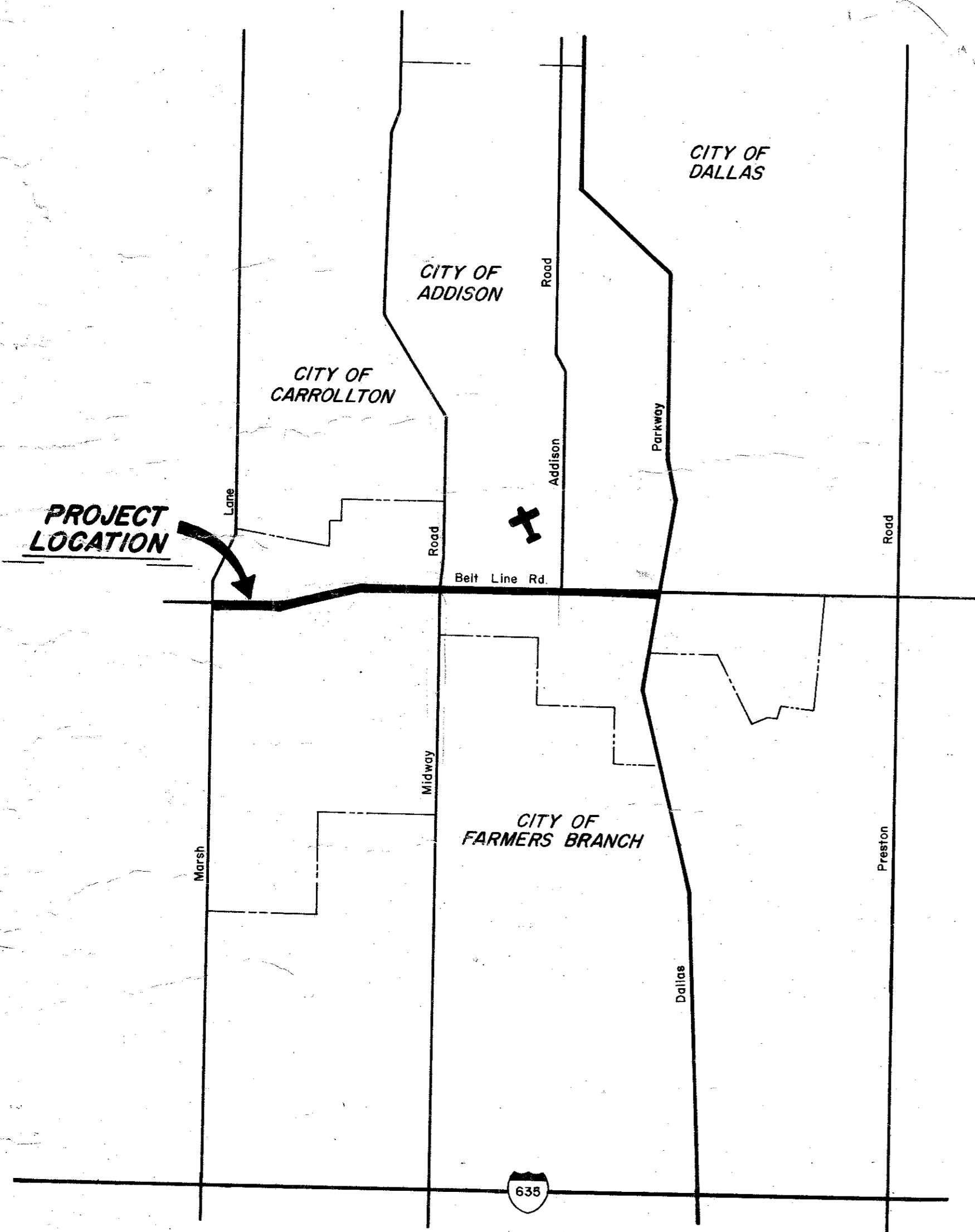


THE CITY OF ADDISON AND THE COUNTY OF DALLAS

CONSTRUCTION PLANS FOR:

-BELT LINE ROAD IMPROVEMENTS-
MARSH LANE TO NORTH DALLAS PARKWAY

PROJECT LENGTH: 10,185 FT.



JERRY J. REDDING - MAYOR
COUNCILMEN:

JOHN B. ALLEN
RICHARD RODER
WILLIAM F. SELLMAYER
JACK DINGLER
TERRY ROBERTS

G. J. WEBSTER - CITY ADMINISTRATOR
DON PREECE - DIRECTOR OF PUBLIC WORKS



GINN INC.
CONSULTING ENGINEERS
DALLAS, TEXAS
1980

RECORD
SET

CITY OF ADDISON

Approved By: *[Signature]*
Mayor

COUNTY OF DALLAS

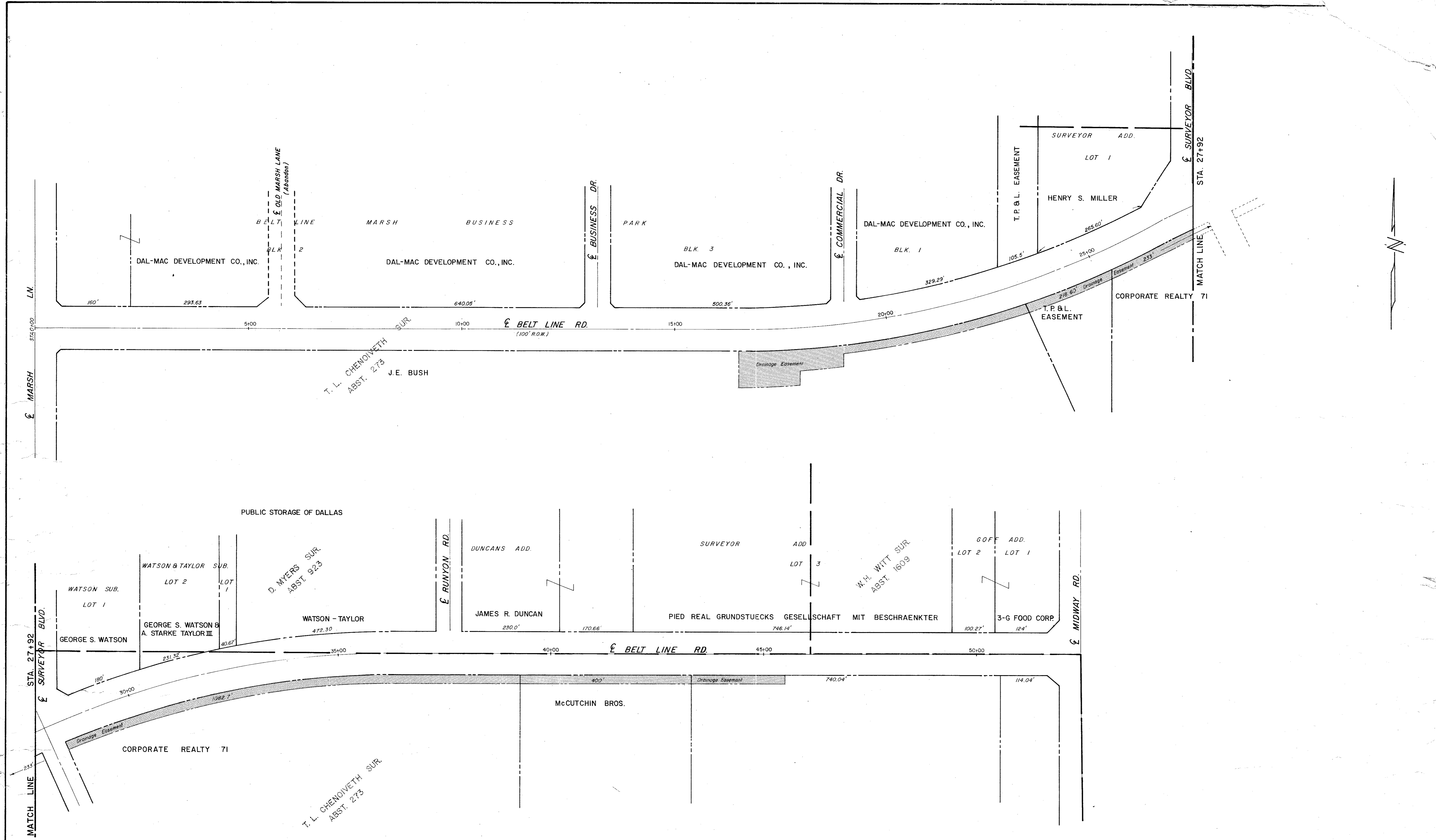
Approved By: _____

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

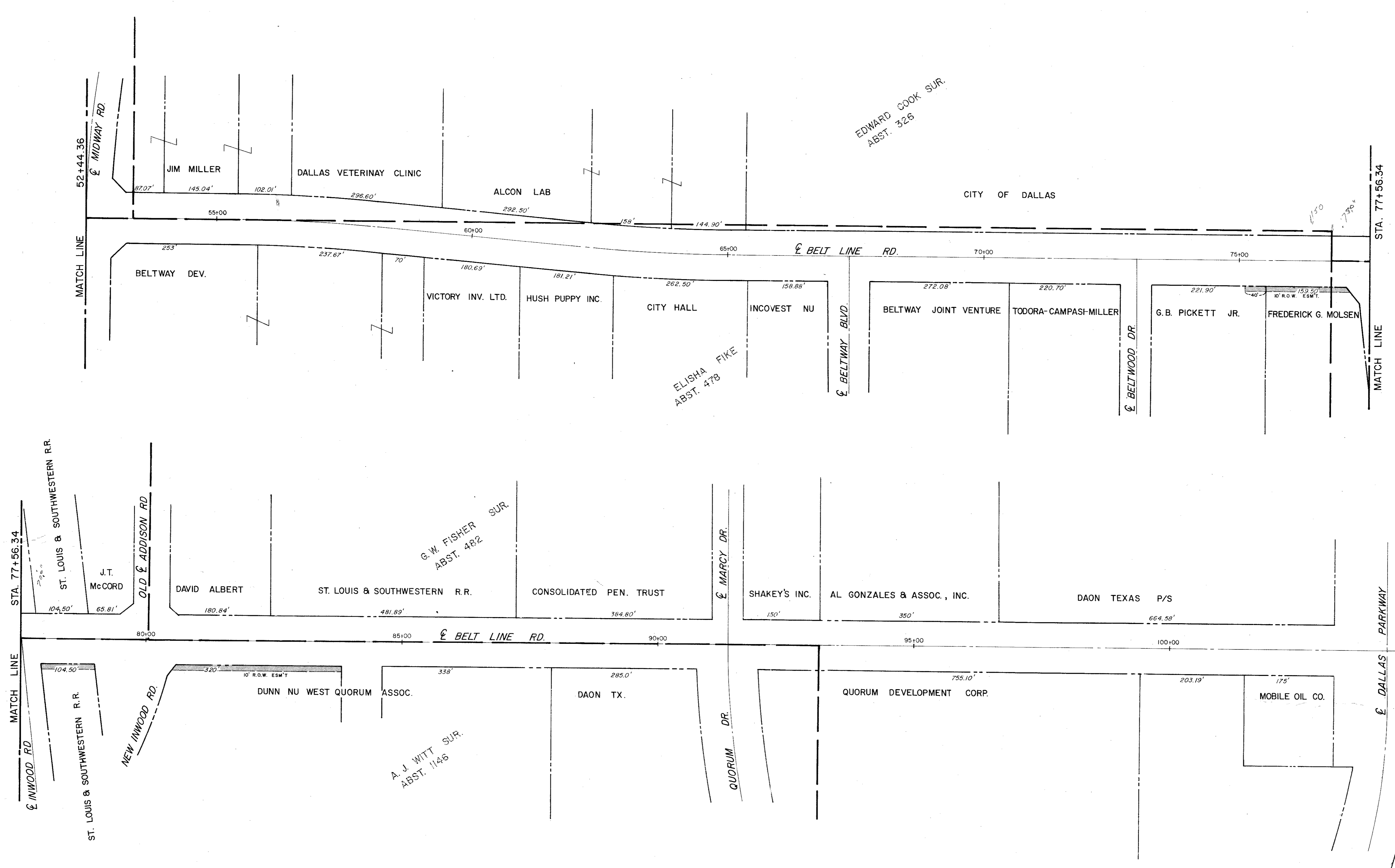
SHEET INDEX

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

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



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

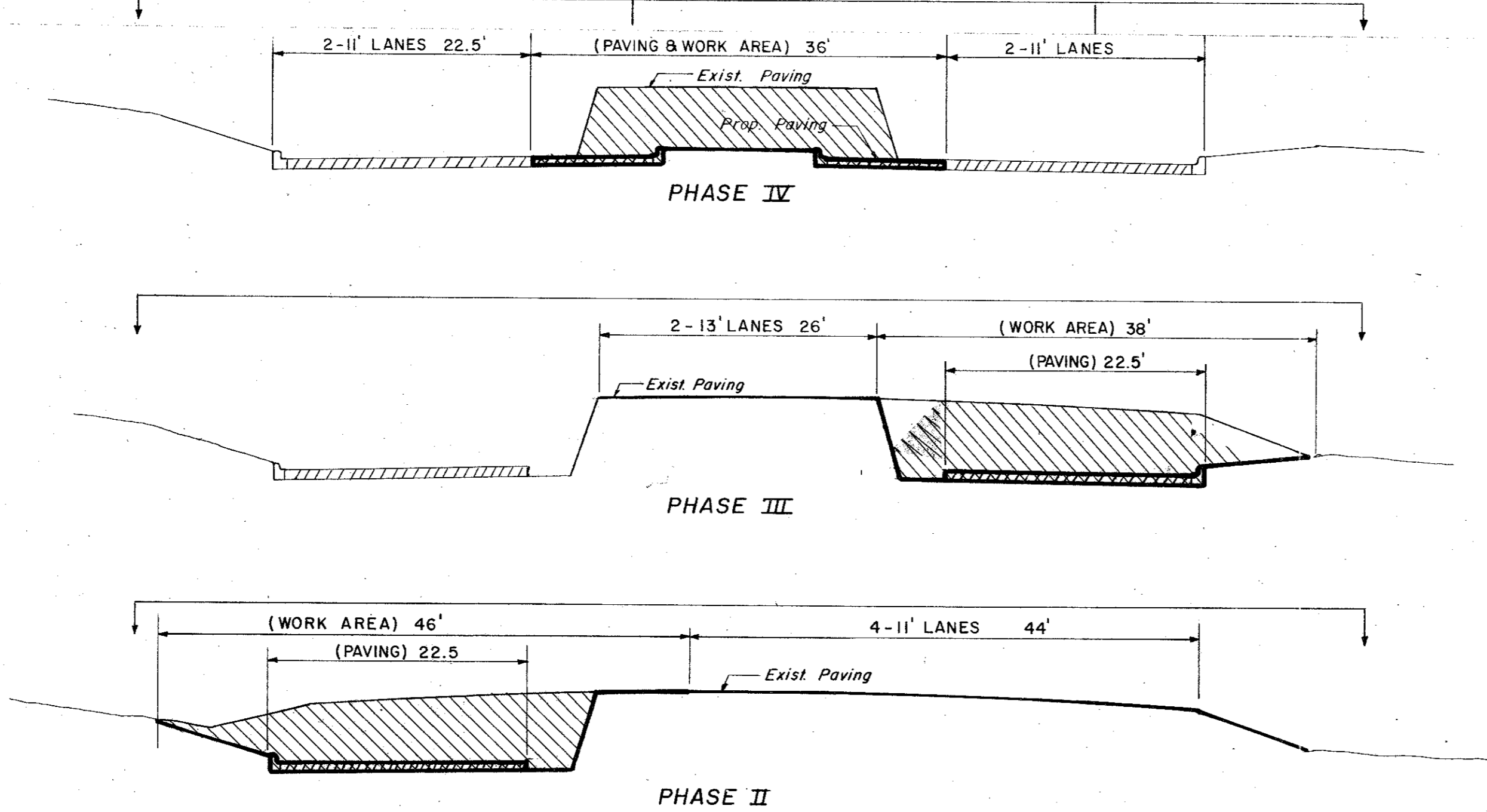
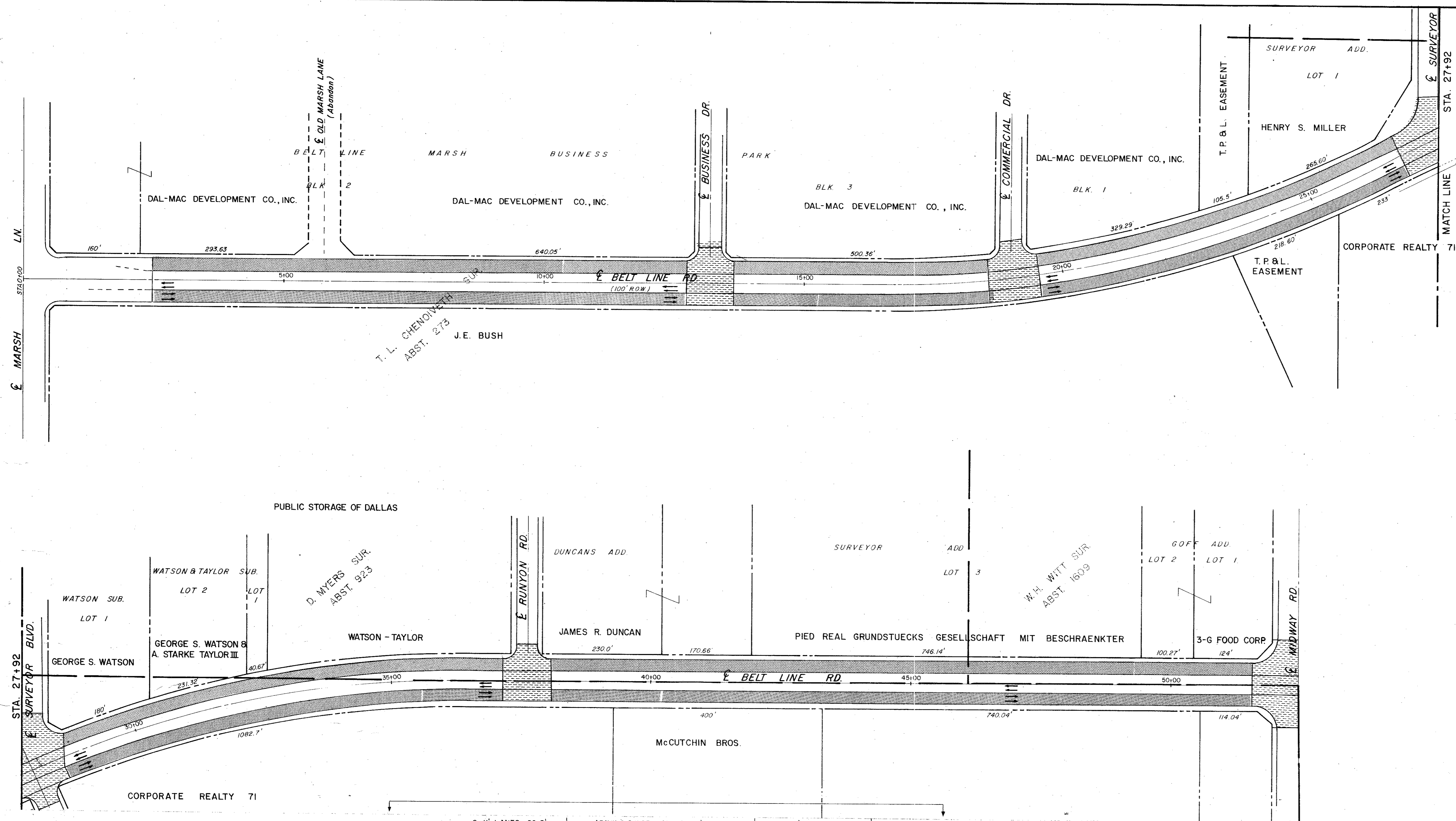
SUMMARY OF QUANTITIES							
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	ITEM NO.	DESCRIPTION	QUANTITY	UNIT
100	Prepare Roadway R.O.W.	106.5	STA.	120	Uncl. Channel Excavation (D.C.)	1	LS
104.1	Remove Existing Paving and Median	4617.0	S.Y.	164	Erosion Control - Broadcast Seeding	15000	S.Y.
104.2	Sawed Break-out 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	P18-W Traffic Button	458	E.A.	470.4	10" Std. Curb Inlet	4	E.A.
752.3	P17Y Traffic Button	293	E.A.	470.5	6" Modified Rec. Curb Inlet	2	E.A.
754.1	P7W Traffic Button	4982	E.A.	479.3	Adjust 20" & 24" Water Main	155	L.F.
479.1	Adjust Water Valve	60.0	E.A.	479.4	Adjust 8" Water Water Main	259	L.F.
479.2	Adjust Manholes	12	E.A.	479.5	Adjust 10" Sanitary Sewer (Ductile Iron Sleeve)	15	L.F.
646.5	2" P.V.C. SCH. 40	1000.0	L.F.	496.1	Remove Existing 2 8'x8' Box Culvert & Hdwl.	1	L.S.
640.6	2" Gatevalve W/Taps	15.0	E.A.	496.2	Remove Existing 6'x3' Box Culvert & 54" R.C.P. w/Headwall	1	L.S.
				560	Metal Beam Guard Fence	250	L.F.
				496.3	Remove 2 42" R.C.P. Box & Hdwl.	1	L.S.
2203.3	Adjust Water Valve (Dallas)	2.0	E.A.	567	Wire Fence	2300	L.F.
2203.4	Adjust Manhole (Dallas)	5.0	E.A.	470.6	10' (Mod.) Rec. Inlet	1	E.A.
				479.6	Adjust 12" Water	30	L.F.
				496.3	Remove 54" R.C.P.	552	L.F.
				464.1	Relay 54" R.C.P.	135	L.F.
				479.7	10" Sewer Encasement	10	L.F.
				496.4	Remove 6" Non-Reinf. Rip-Rap	100	S.Y.
				496.5	Remove Wing Walls, Footing & Parpet (Sta. 1717.3)	1	L.S.
				496.6	Remove 24" R.C.P.	12	L.F.
				421.5	10x6 Double Box Culvert THD. MCW-I(Mod.)	1	L.S.
				464.2	Relay 24" R.C.P.	12	L.F.
				420.1	8" Reinf. Conc. Plug Wall	1	L.S.
				421.4	Conc. Parapet 8x8 Box Culvert	4.2	C.Y.
				440.5	Reinf. Steel - Parapet 8x8 Box Culvert	364	LBS

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

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

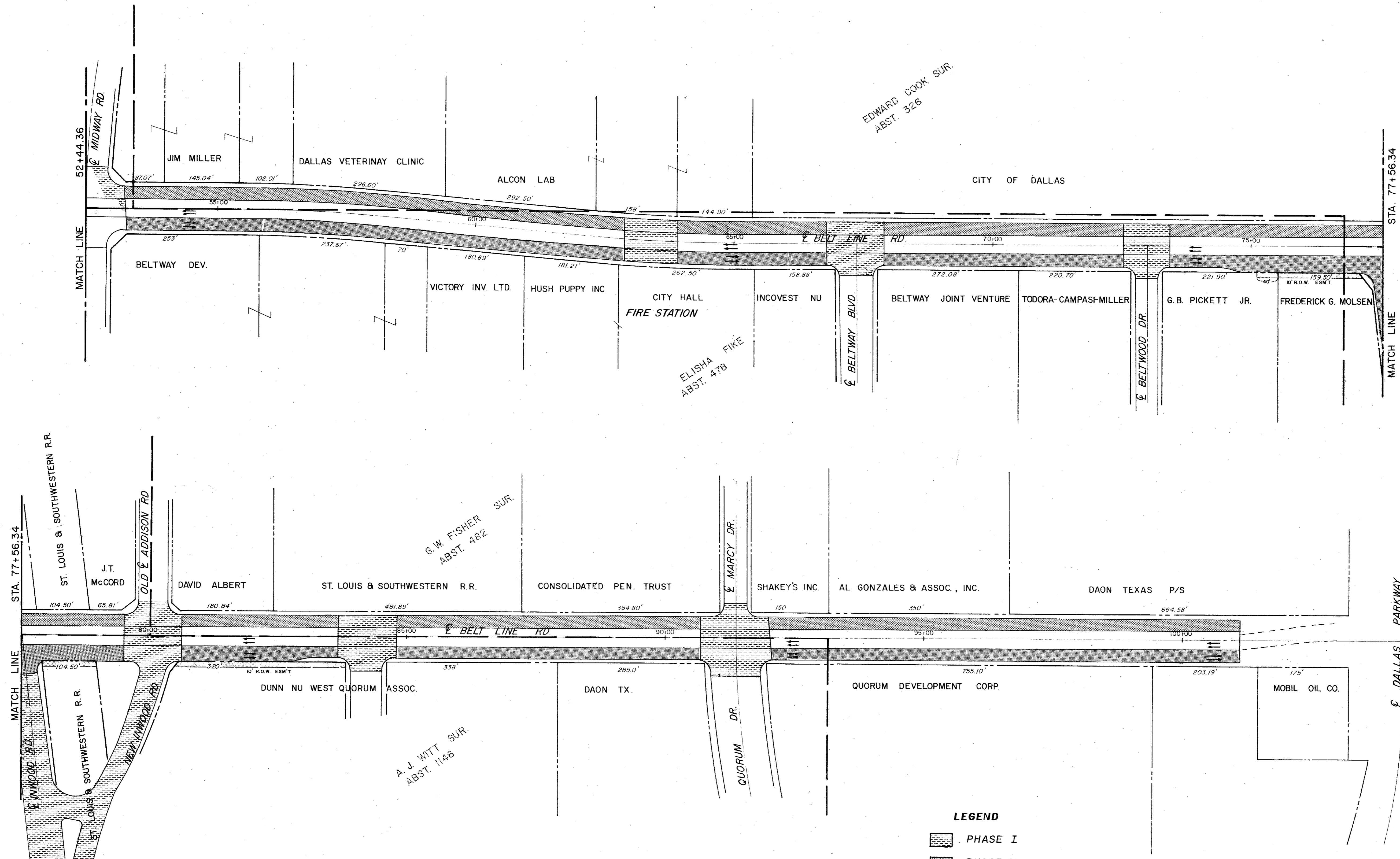
SUMMARY OF QUANTITIES
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS





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

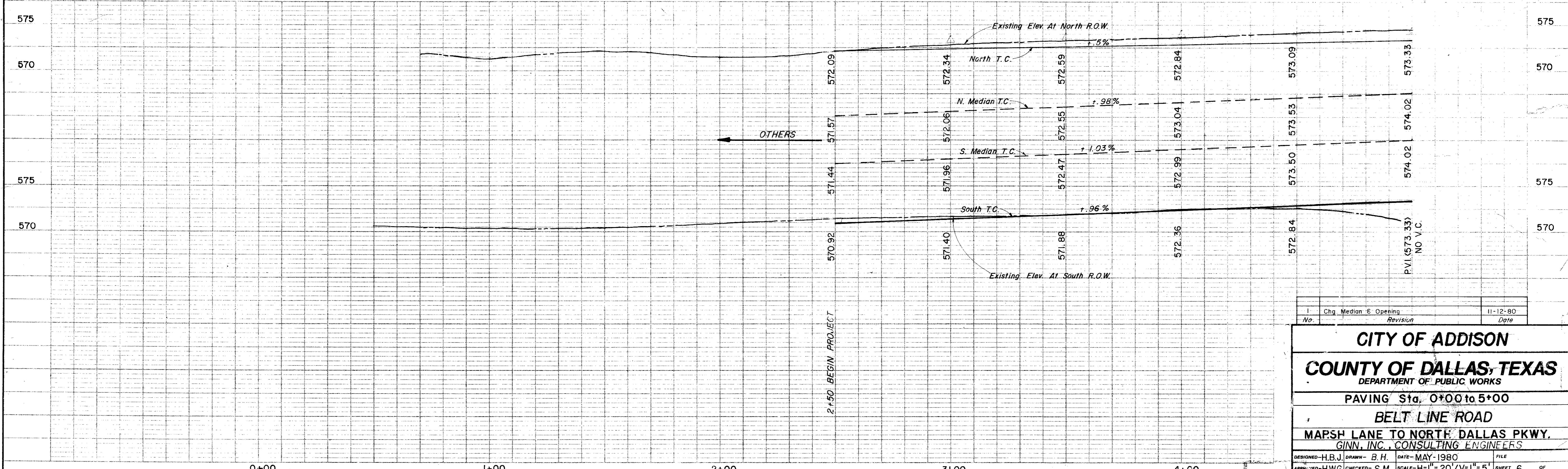
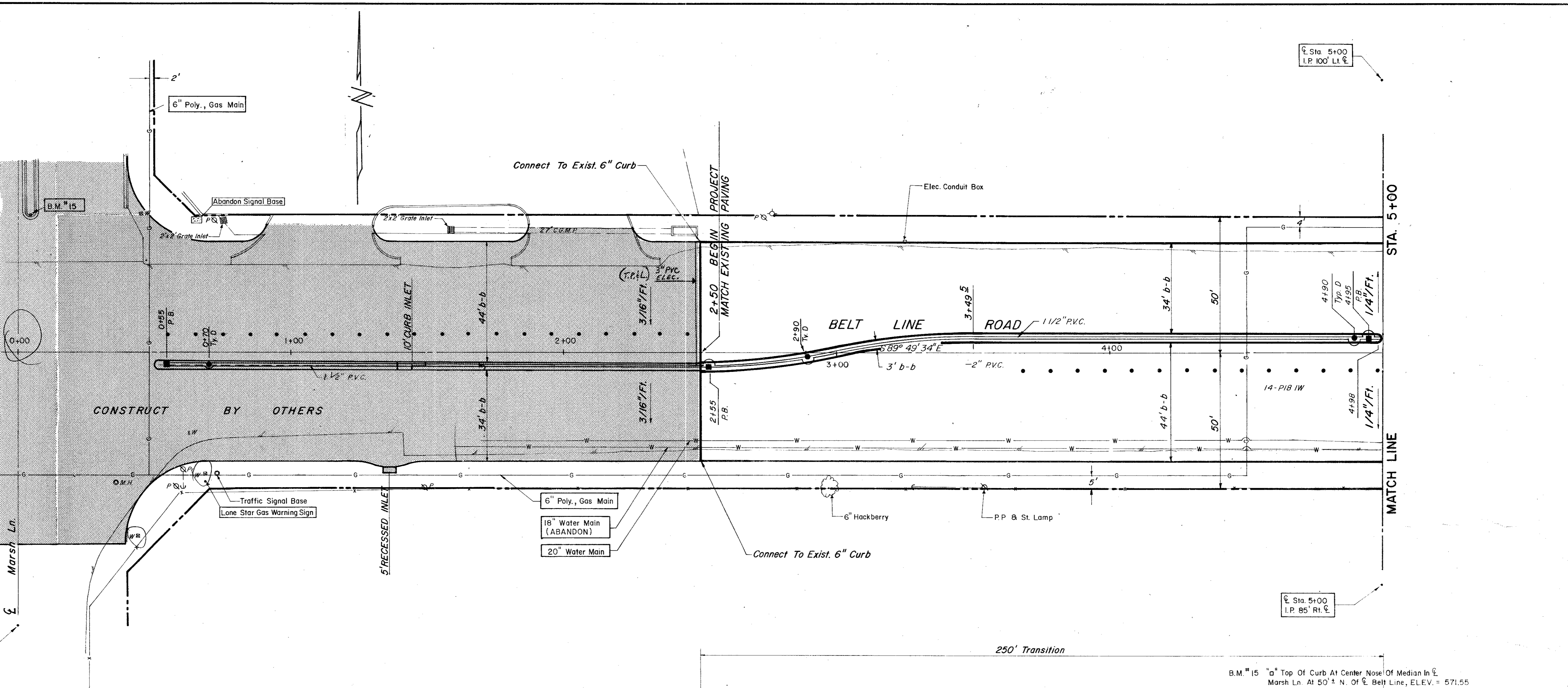
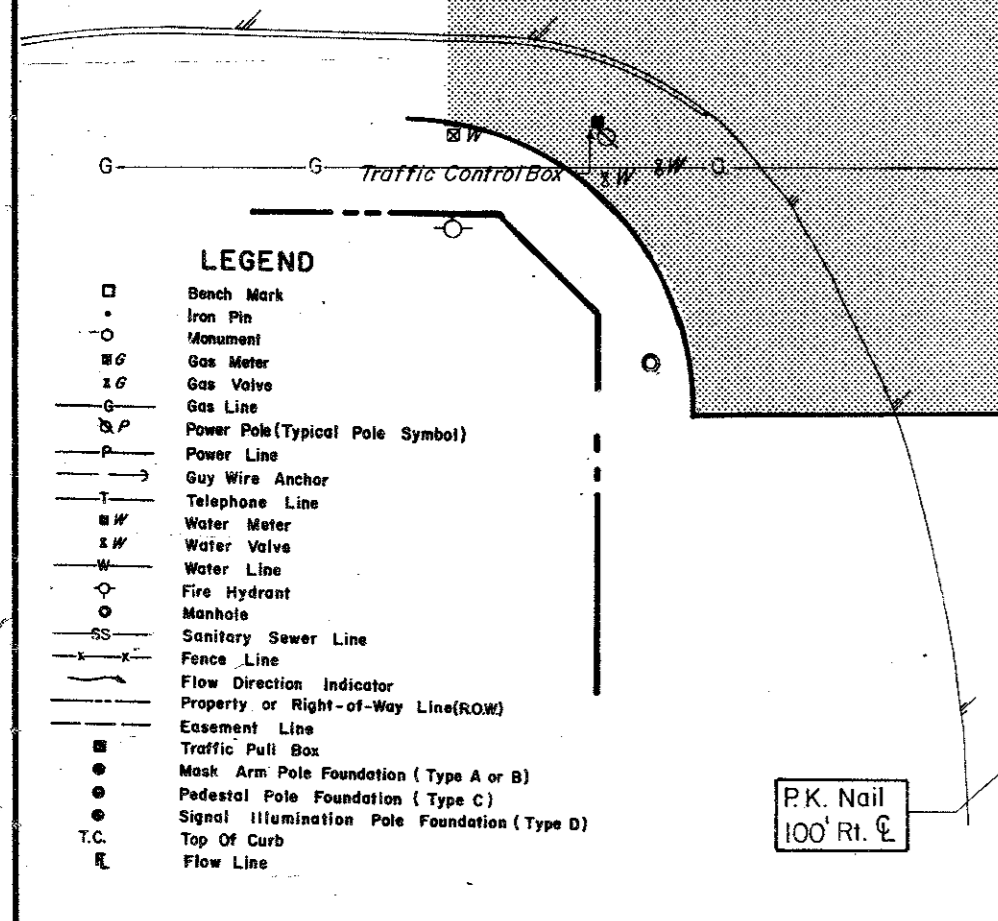
CITY OF ADDISON			
CONSTRUCTION SEQUENCE			
BELT LINE ROAD			
MARSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED - H.B.J.	DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G.	CHECKED - S.M.	SCALE - 1" = 100'	SHEET 4 OF



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

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

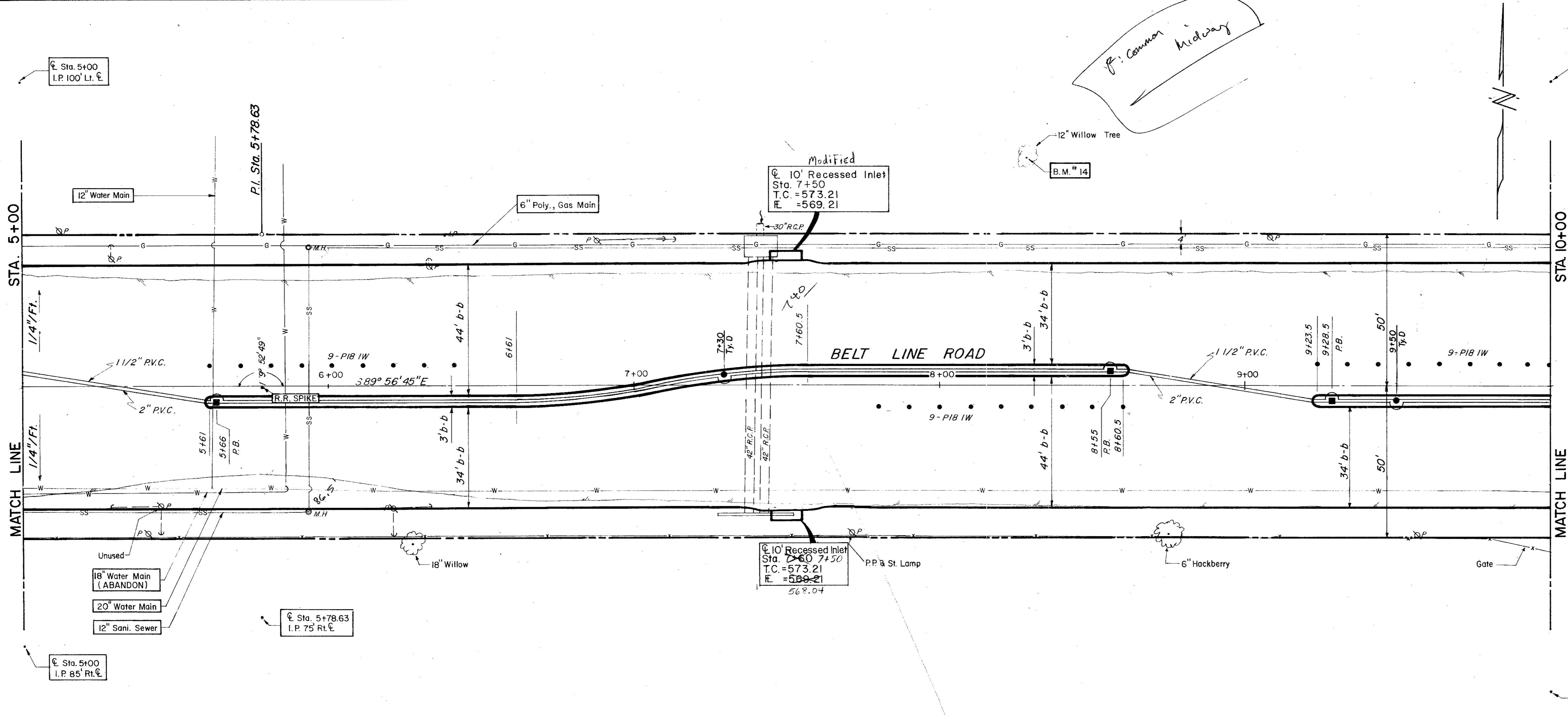
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	2.5
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	---
110	Unclassified Road Excavation (Dens Cont.)	CY	1999.0
160	Placing 4" Topsoil	CY	31.75
248	6" Flex Base (Dens Com) (Ty A,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



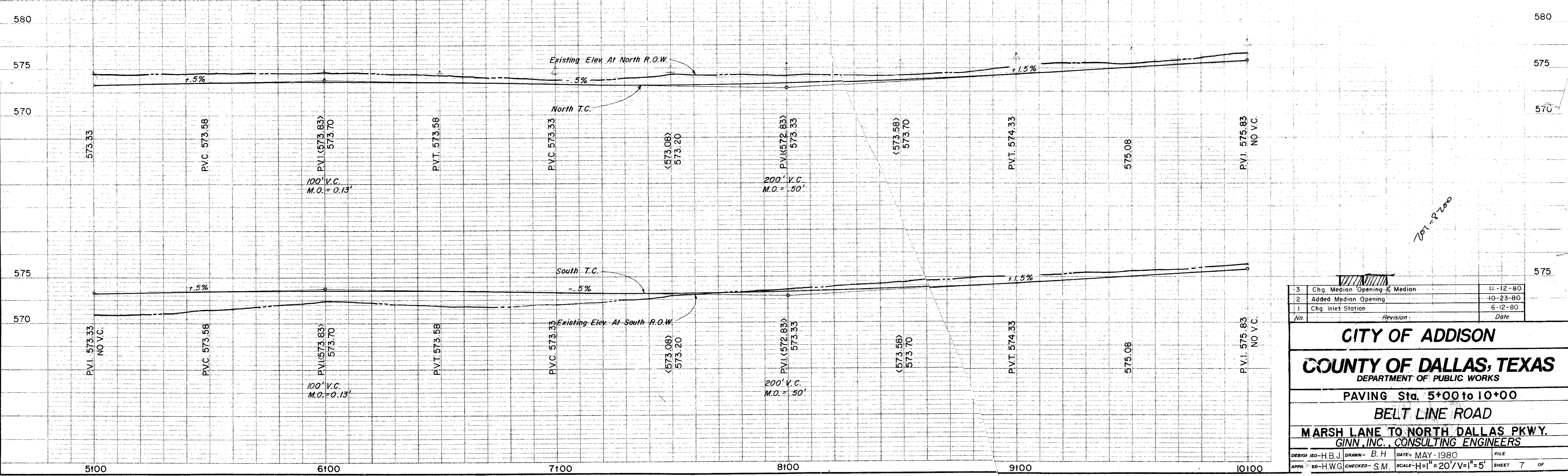
CITY OF ADDISON		11-12-80	
COUNTY OF DALLAS, TEXAS		Date	
DEPARTMENT OF PUBLIC WORKS			
PAVING Sta. 0+00 to 5+00			
BELT LINE ROAD			
MAPSH LANE TO NORTH DALLAS PKWY.			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.G.	CHECKED-S.M.	SCALE-H=1"=20'/V=1"=5'	SHEET 6 OF

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

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



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



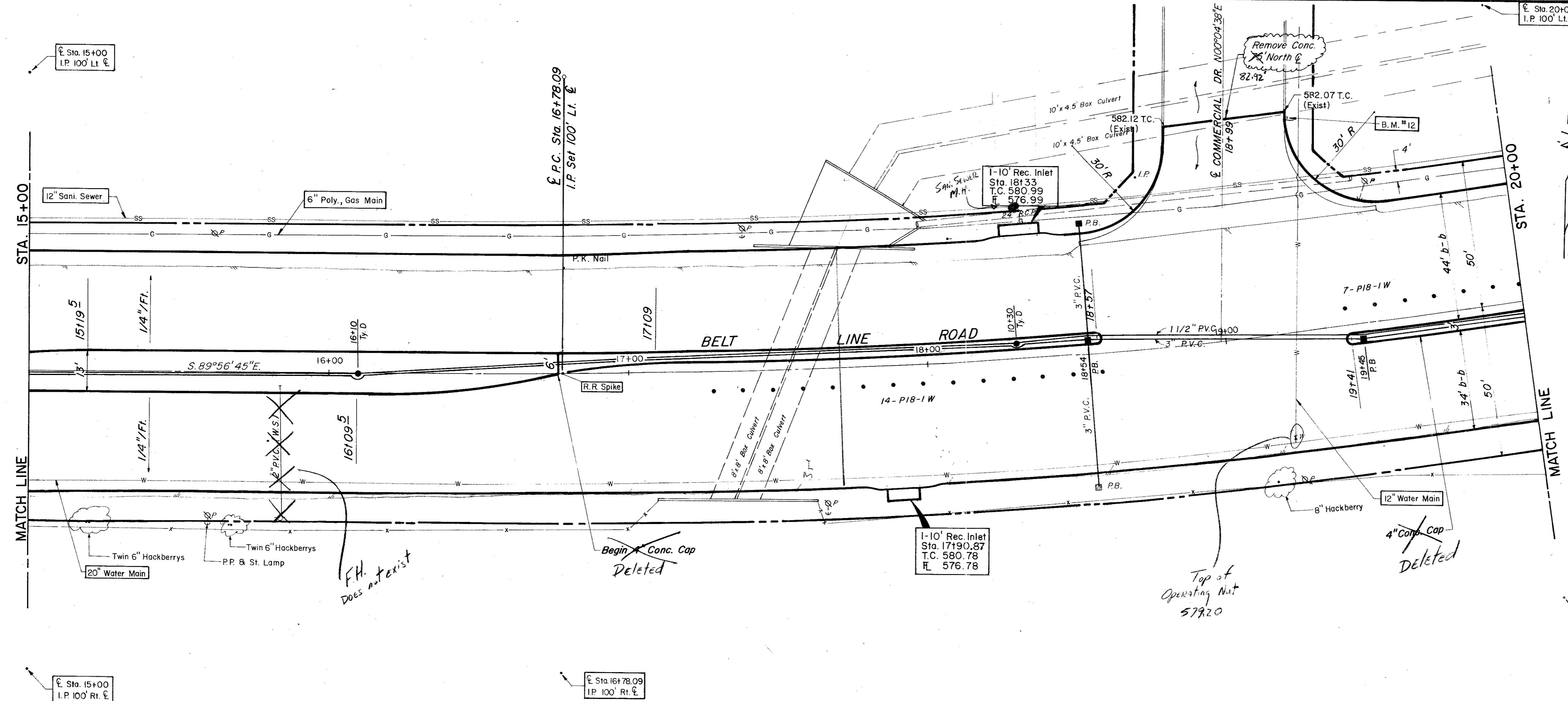
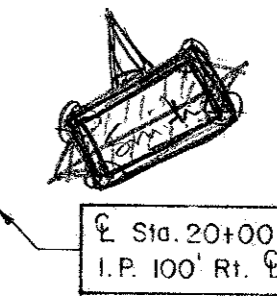
3	Chg. Median Opening & Median	11-12-80
2	Added Median Opening	10-23-80
1	Chg. Inlet Station	6-12-80
No.	Revision	Date

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

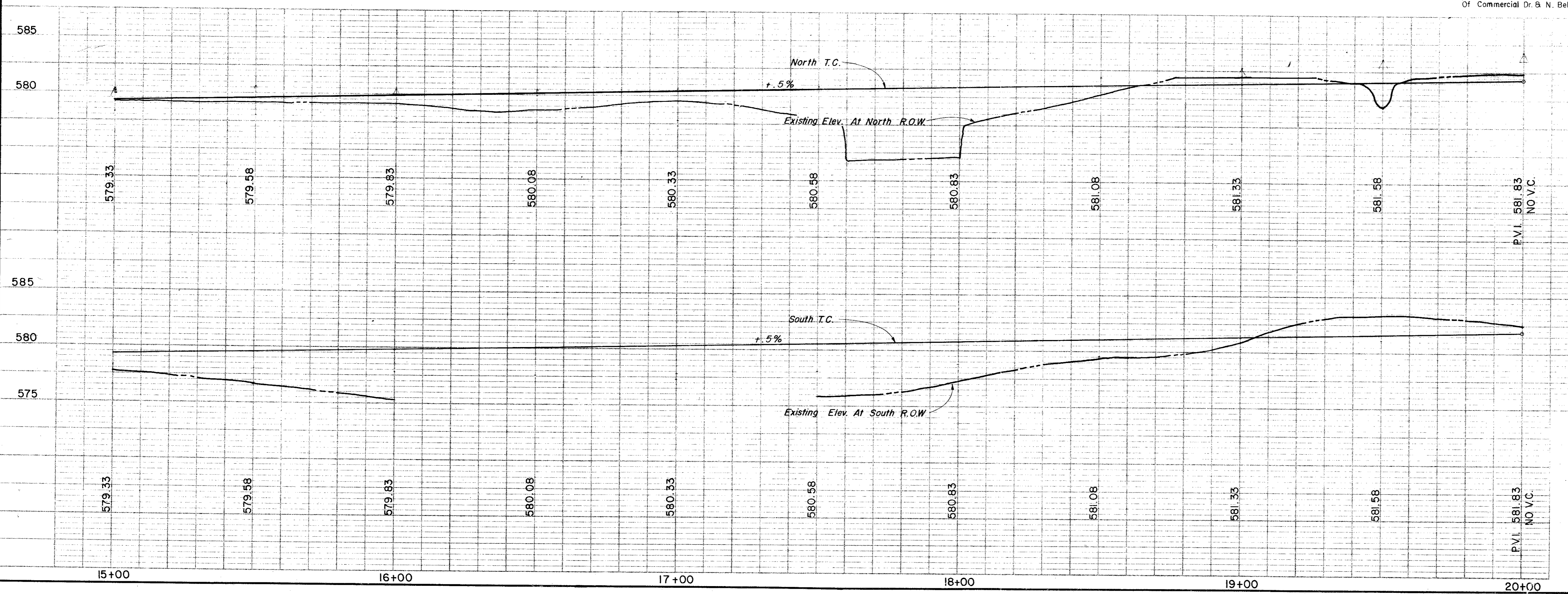
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 APPR: ED-H.W.G. CHECKED: S.M. SCALE: H=1"=20' V=1"=5' SHEET 7 OF

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	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 Line
⊕	Power Pole (Typical Pole Symbol)
⊕	Power Line
⊕	Guy Wire Anchor
⊕	Telephone Line
⊕	Water Meter
⊕	Water Valve
⊕	Water Line
⊕	Fire Hydrant
⊕	Manhole
⊕	Sanitary Sewer Line
⊕	Fence Line
⊕	Flow Direction Indicator
⊕	Property or Right-of-Way Line (R.O.W.)
⊕	Easement Line
⊕	Traffic Pole Base
⊕	Mast Arm Pole Foundation (Type A or B)
⊕	Pedestal Pole Foundation (Type C)
⊕	Signal Illumination Pole Foundation (Type D)
T.C.	Top of Curb
E	Flow Line



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



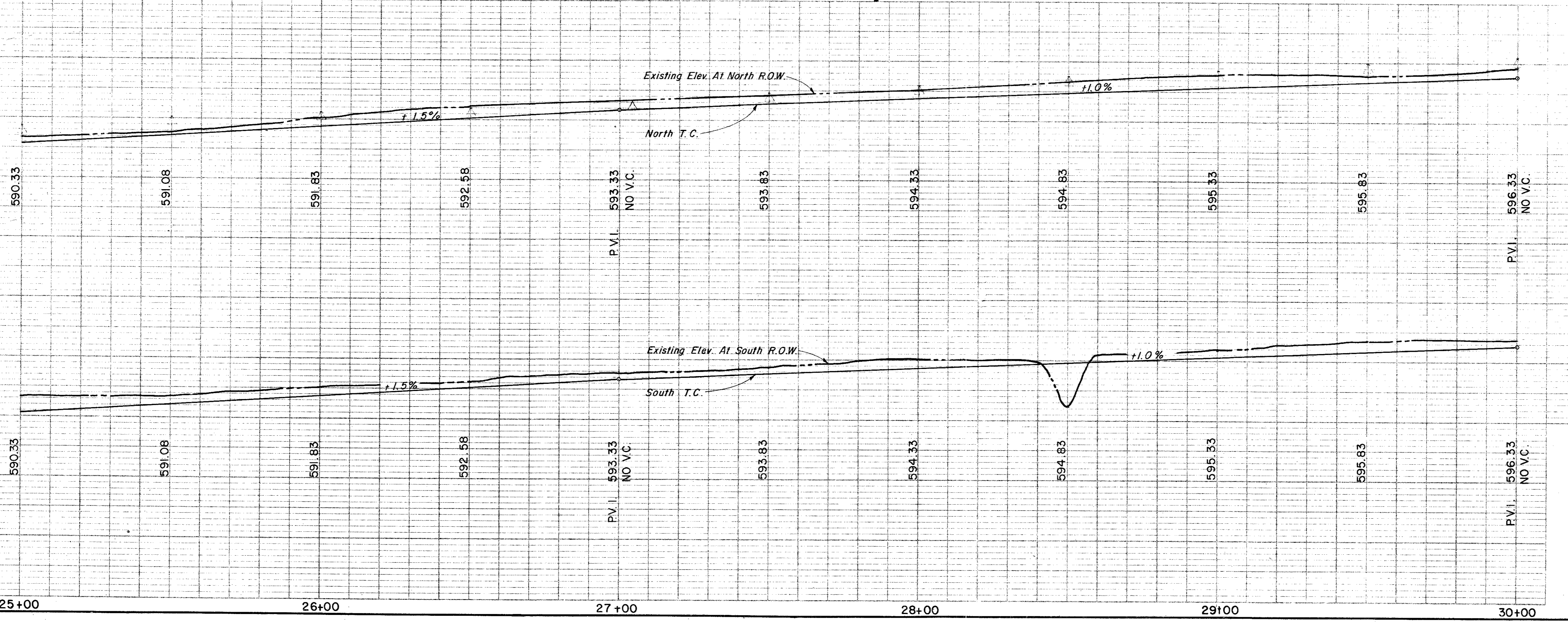
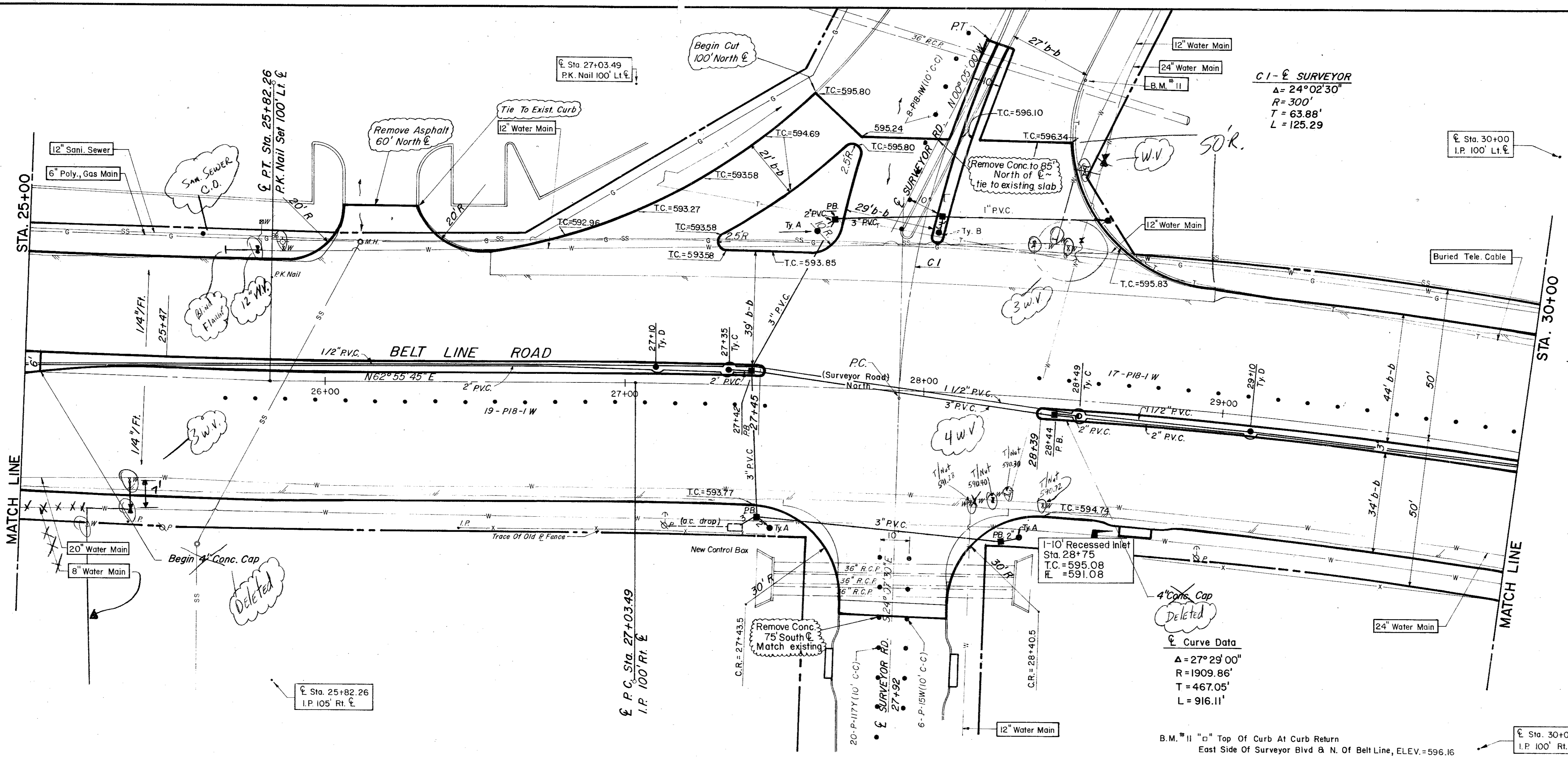
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

PAVING Sta. 15+00 to 20+00
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	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 Asphalt (Ty B)	Ton	555.82
360.1	8" Conc Pavement (3000 PSI)	SY	5185.25
360.2	6" Conc Monolithic Curb(3000 PSI)	LF	1960
360.3	4" Non-Reinf Conc in Median(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

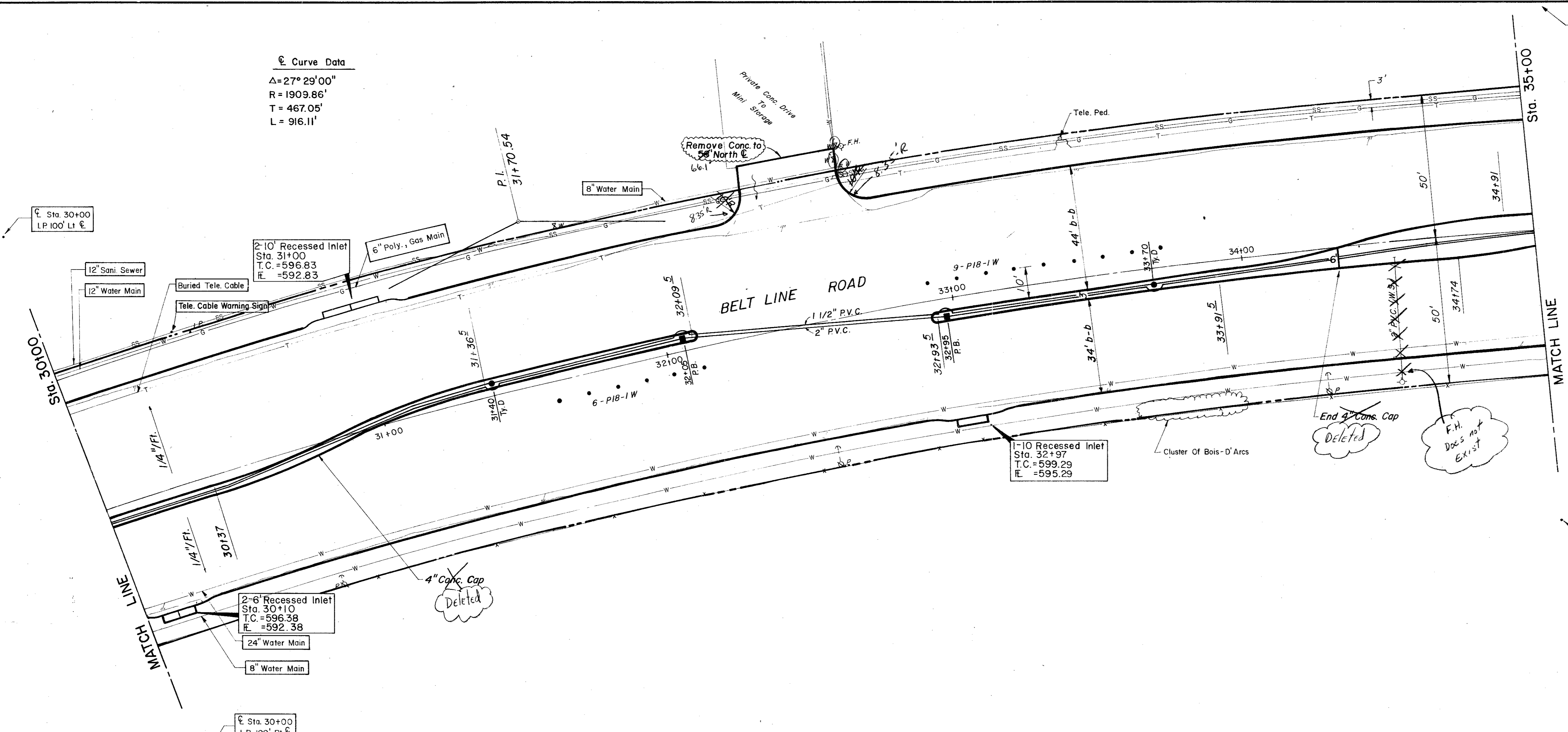
LEGEND	
○	Beach Mark
●	Iron Pin
—	Alignment
—	Gas Main
—	Gas Valve
—	Gas Line
—	Power Pole (Typical Pole Symbol)
—	Power Line
—	Guy Wire Anchor
—	Telephone Line
—	Water Main
—	Water Valve
—	Water Line
—	Fire Hydrant
—	Manhole
—	Sanitary Sewer Line
—	Fence Line
—	Flow Direction Indicator
—	Property or Right-of-Way Line(R.O.W)
—	Easement Line
—	Traffic Sign Post
—	Man Arm Pole Foundation (Type A or B)
—	Palisade Pole Foundation (Type C)
—	Signal Illumination Pole Foundation (Type D)
—	Top Of Curb
—	Flow Line



CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
PAVING Sta. 25+00 to 30+00
BELT LINE ROAD
MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

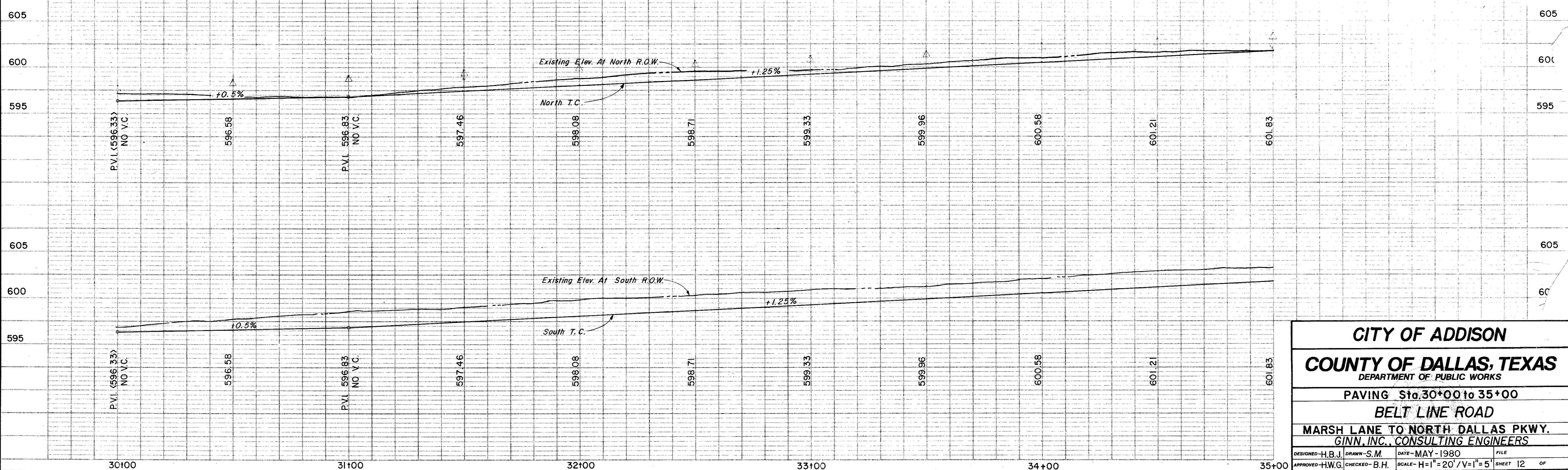
DESIGNED-H.B.J. DRAWN-B.H. DATE-MAY-1980 FILE
 APPROVED-H.W.G. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 11 OF

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



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	LF	34
104.2	Sawed Break-Out Groove	CY	34
110	Unclassified Road Excavation (Dens Cont.)	CY	4262
160	Placing 4\"/>		

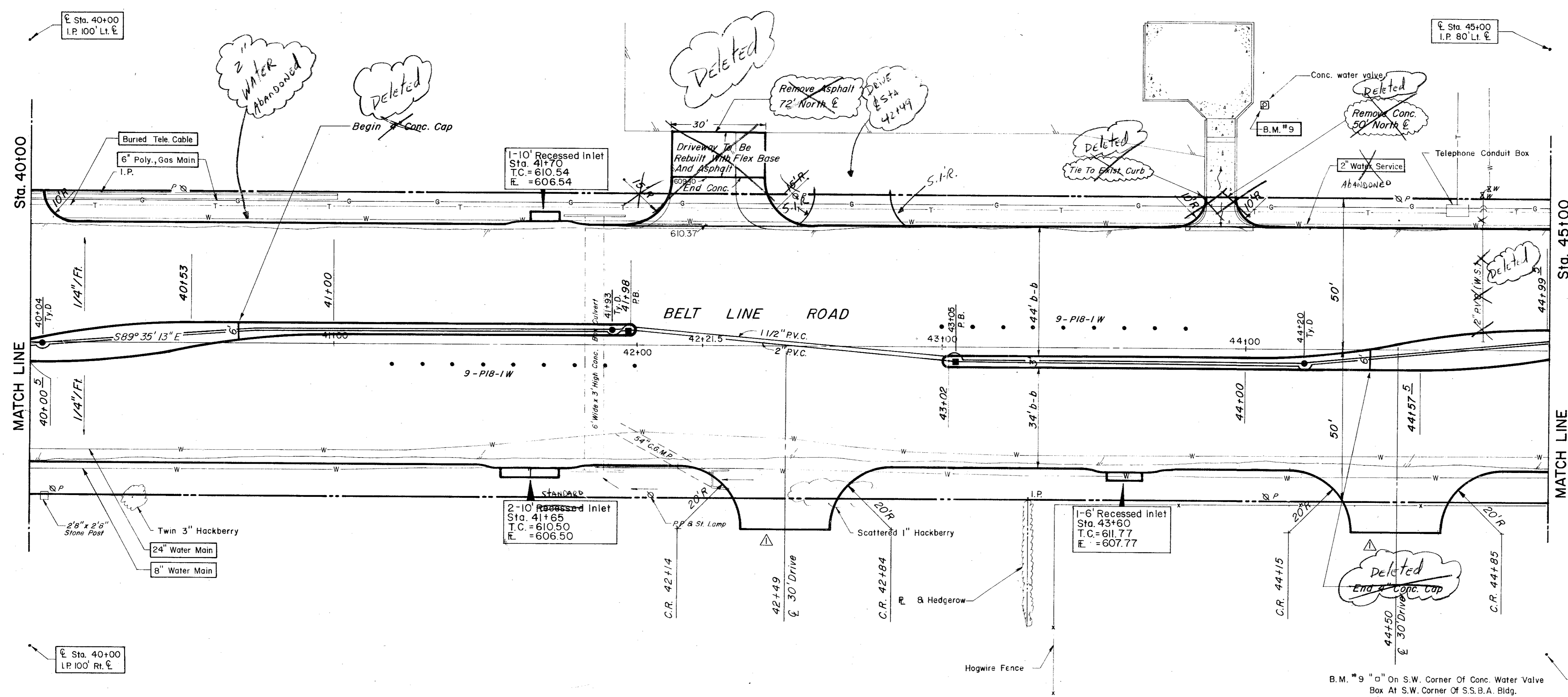
LEGEND			
□	Rein. Mark		
○	Iron Pin		
○	Monument		
○	Gas Meter		
○	Gas Valve		
○	Power Pole (Typical Pole Symbol)		
○	Power Line		
○	Guy Wire Anchor		
○	Telephone Line		
○	Water Meter		
○	Water Valve		
○	Water Line		
○	Fire Hydrant		
○	Manhole		
○	Sanitary Sewer Line		
○	Flow Line		
○	Flow Line		



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

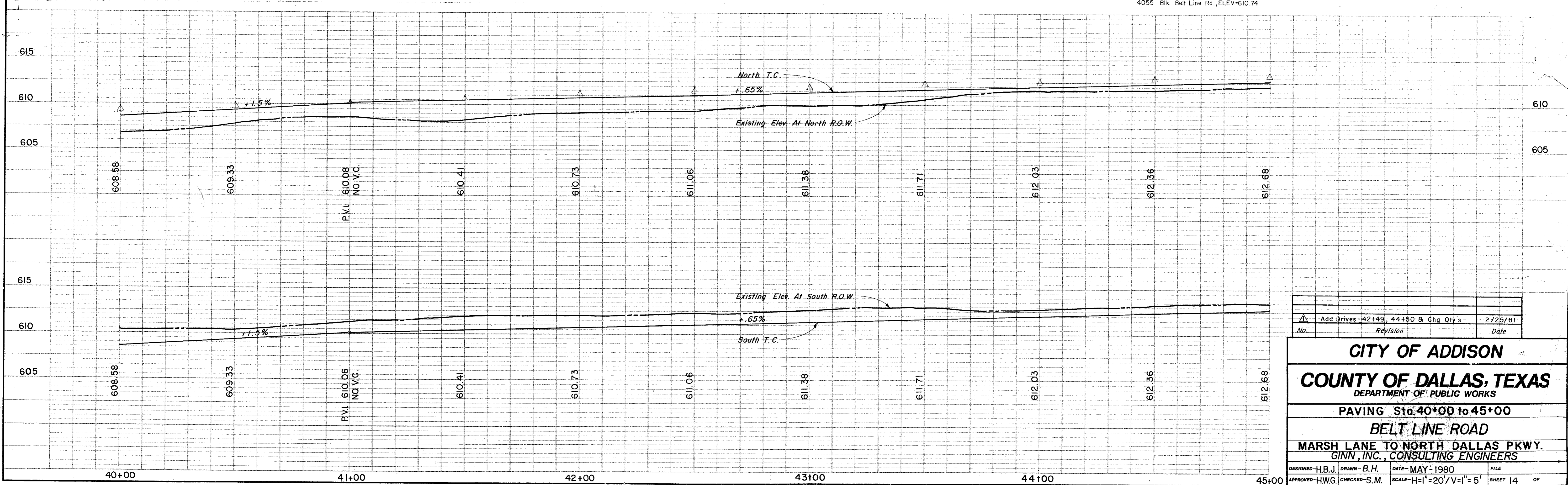
PAVING Sta. 30+00 to 35+00
BELT LINE ROAD
MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980
 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	—
104.2	Sawed Break-Out Groove	LF	45
110	Unclassified Road Excavation (Dens Cont.)	CY	2618
160	Placing 4" Topsoil	CY	16.27
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	10
260.1	Lime (Ty A) Slurry Method	Ton	55.97
260.2	6" Lime Treated Subgrade (Dens Cont.)	SY	4477.22
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	73.34
340.2	6" Hot Mix Asphalt (Ty B)	Ton	—
360.1	8" Conc Pavement (3000 PSI)	SY	4255
360.2	6" Conc Monolithic Curb (3000 PSI)	L.F.	1473
360.3	4" Non-Reinf Conc In Median (2000PSI)	SY	100.96
340.3	2" Hot Mix Asphalt (Ty D) Transition	Ton	6.05
640.5	2" PVC SCH 40 (Conc. Encasement)	L.F.	45
522	Conc Curb & Gutter Class A	LF	—
524	Conc Driveways, Appr 5" Reinf Conc (3000PSI)	SY	249.19
630.1	Foundation (Ty A) Traffic Sig in Place	EA	—
630.2	Foundation (Ty B) Traffic Sig in Place	EA	—
630.3	Foundation (Ty C) Traffic Sig in Place	EA	—
630.4	Foundation (Ty D) Illumination	EA	3
640.1	1/2" PVC Conduit, Furnish & Install	LF	-500
640.2	2" PVC Conduit, Furnish & Install	LF	500
640.3	3" PVC Conduit, Furnish & Install	LF	—
640.4	Pull Box, Complete in Place	EA	2
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	52
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	18
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	252

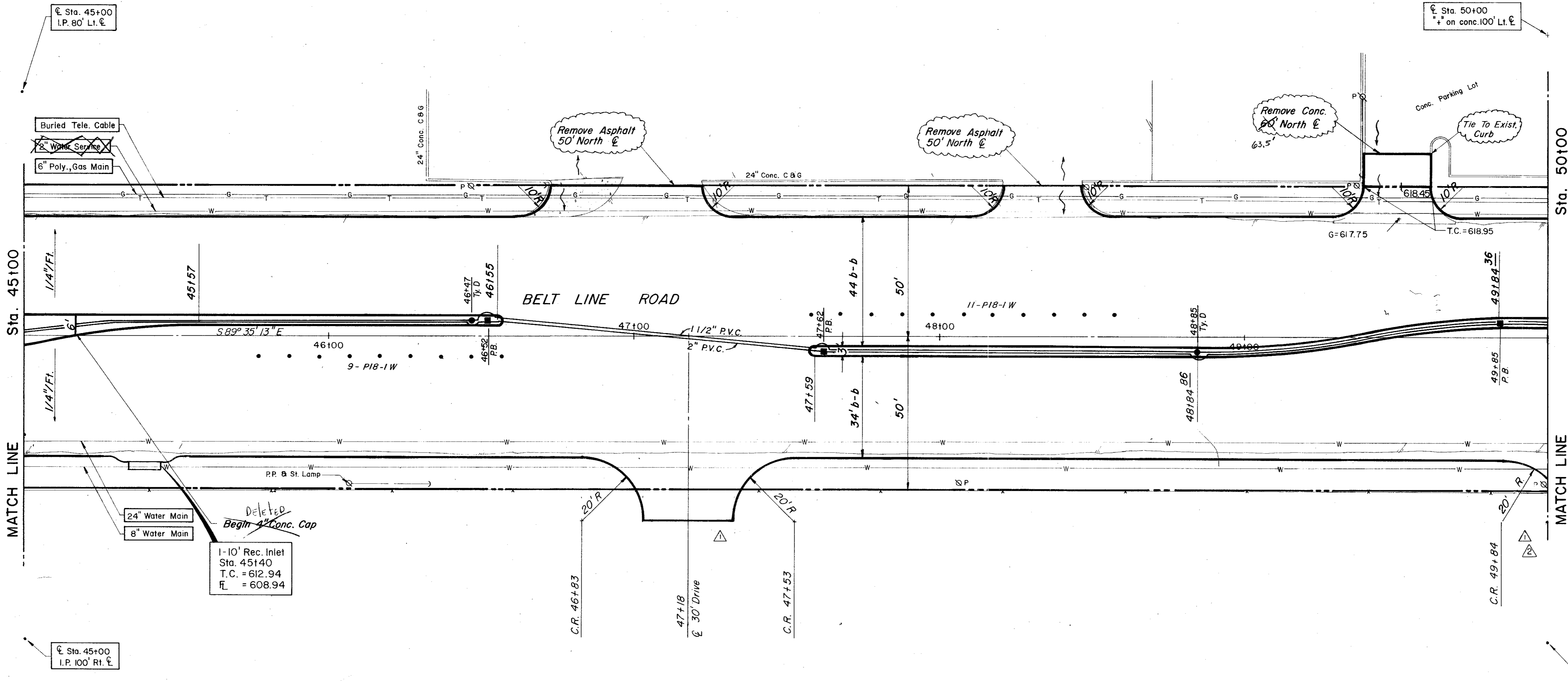
LEGEND	
□	Dech Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	Guy Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Fence Line
○	Flow Direction Indicator
○	Property or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



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

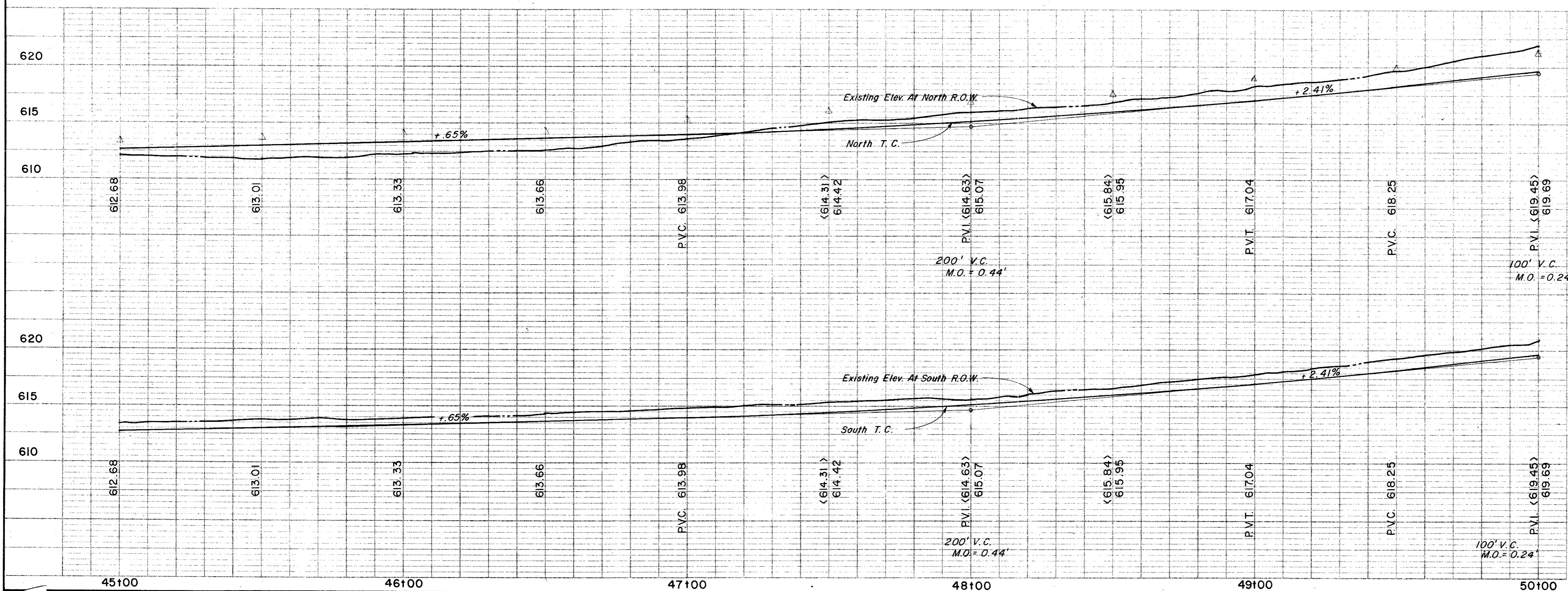
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
PAVING Sta. 40+00 to 45+00
BELT LINE ROAD
MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	---
104.2	Sawed Break-Out Groove	LF	99
110	Unclassified Road Excavation (Dens Cont.)	CY	3602
160	Placing 4" Topsoil	CY	---
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	---
260.1	Lime (Ty A) Slurry Method	Ton	57.08
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	4566.73
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	73.34
340.2	6" Hot Mix Asphalt (Ty B)	Ton	---
360.1	8" Conc Pavement (3000 PSI)	SY	4341.49
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1550
360.3	4" Non-Reinf Conc In Median (2000PSI)	SY	131.48
522	Conc Curb & Gutter Class A	LF	---
524	Conc Driveways, Appr 5" Reinf Conc (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

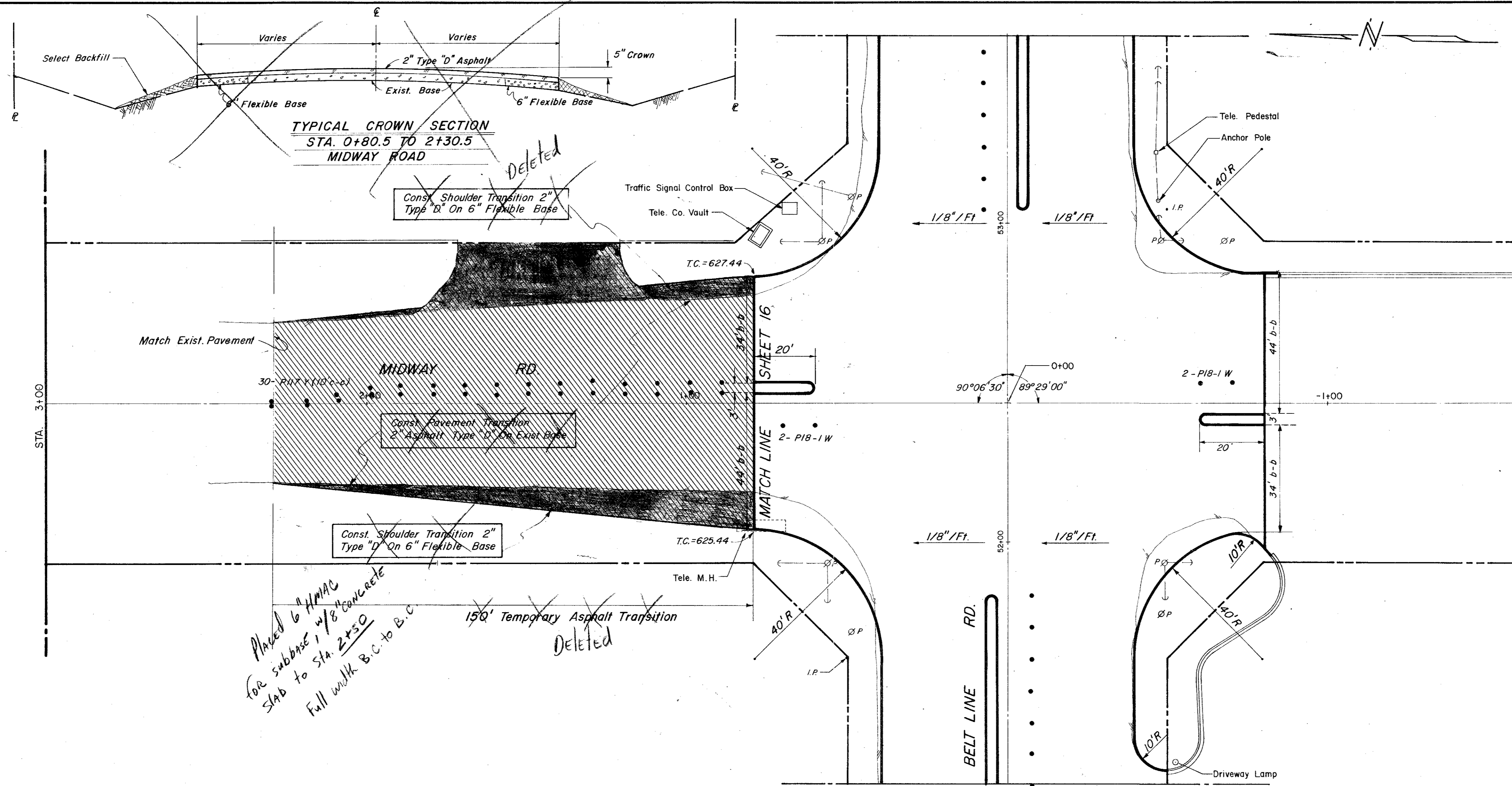
LEGEND	
□	Bench Mark
○	Iron Pin
○	Manhole
W	Gas Meter
W	Gas Valve
W	Gas Line
W	Power Pole (Typical Pole Symbol)
W	Power Line
W	Eye Wire Anchor
W	Telephone Line
W	Water Meter
W	Water Valve
W	Water Line
W	Fire Hydrant
W	Manhole
W	Sanitary Sewer Line
W	Fence Line
W	Flow Direction Indicator
W	Property or 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
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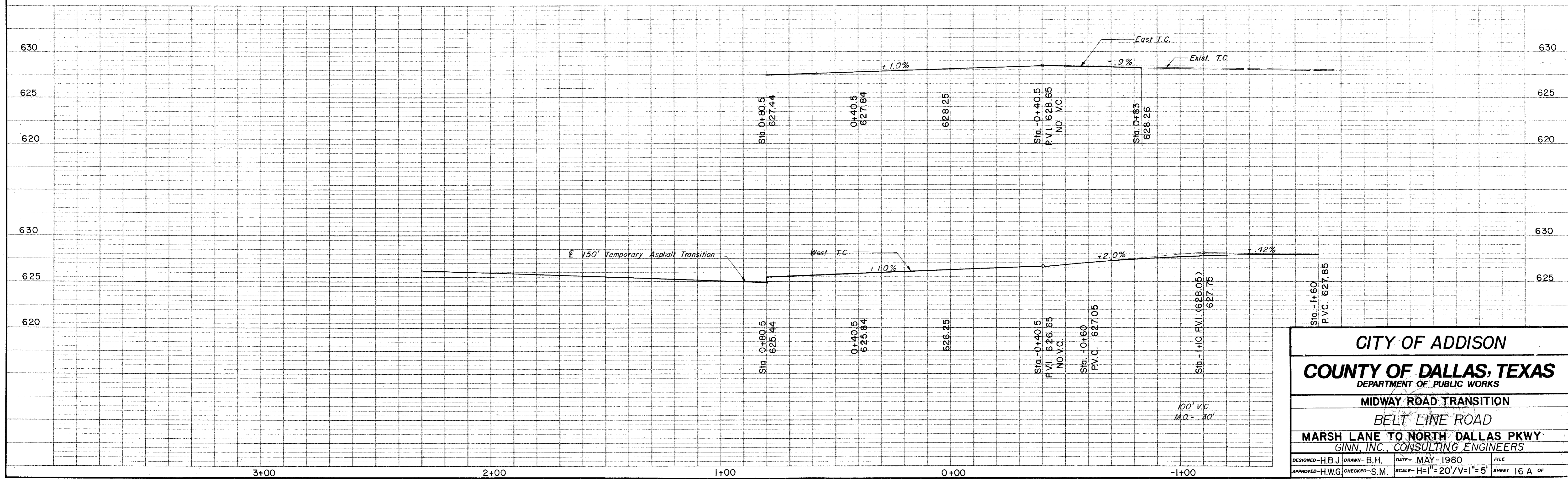
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
PAVING Sta. 45+00 to 50+00
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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

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

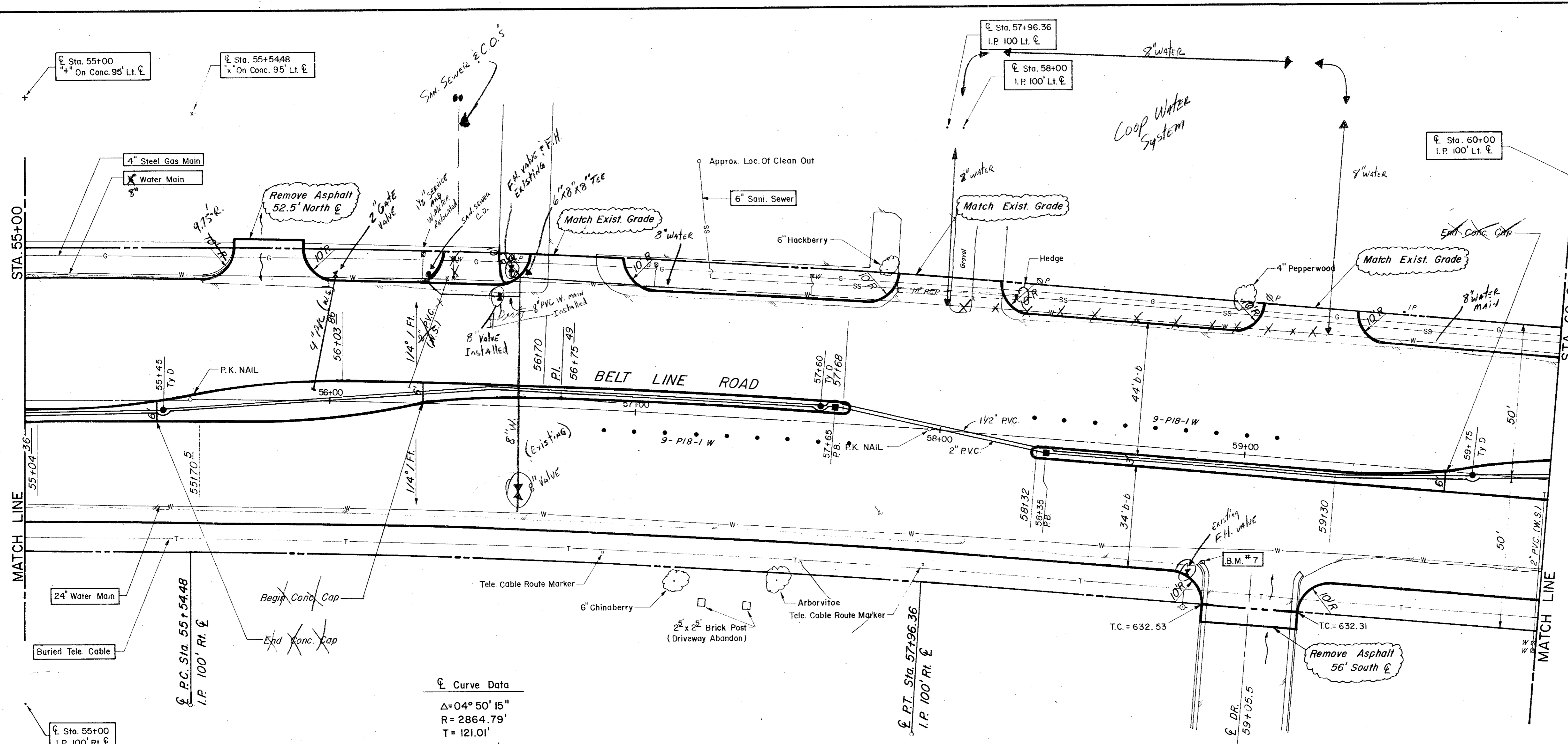


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

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

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

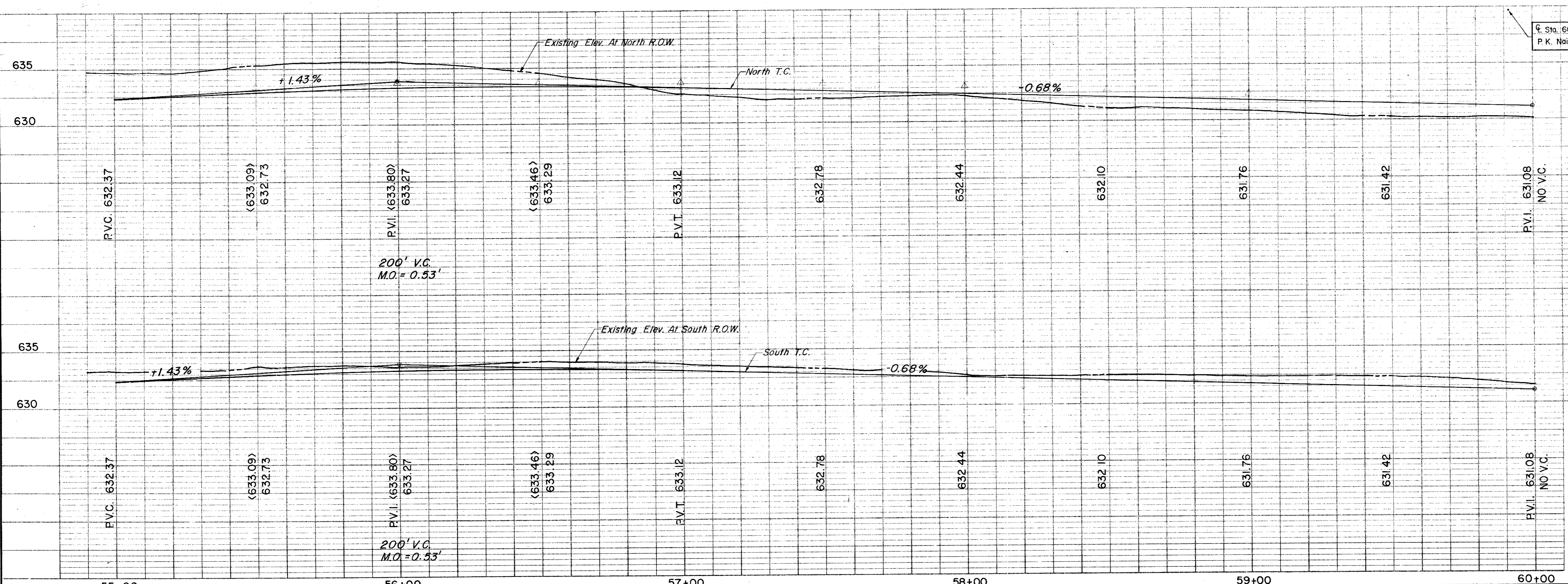
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	151.5
110	Unclassified Road Excavation (Dens Cont.)	CY	2394
160	Placing 4" Topsoil	CY	13.59
248	6" Flex Base (Dens Cont.) (Ty A, Gr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



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

LEGEND	
○	Bench Mark
●	Iron Pin
○	Movement
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	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

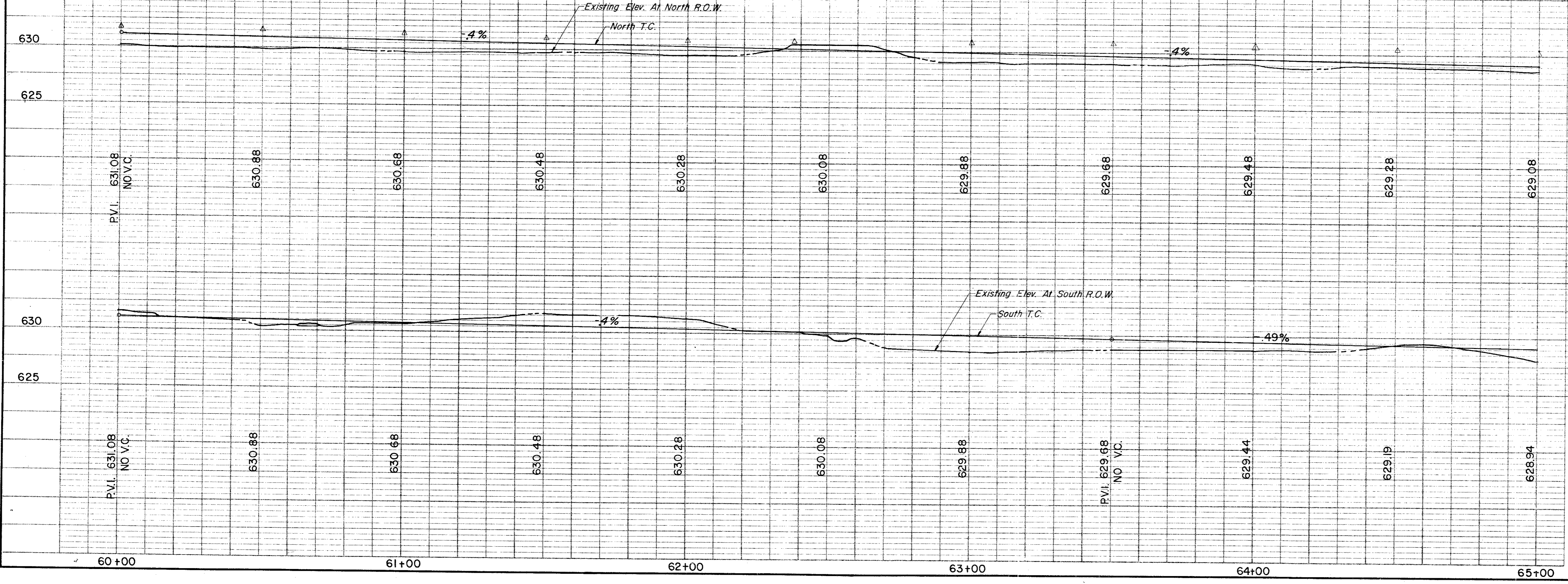
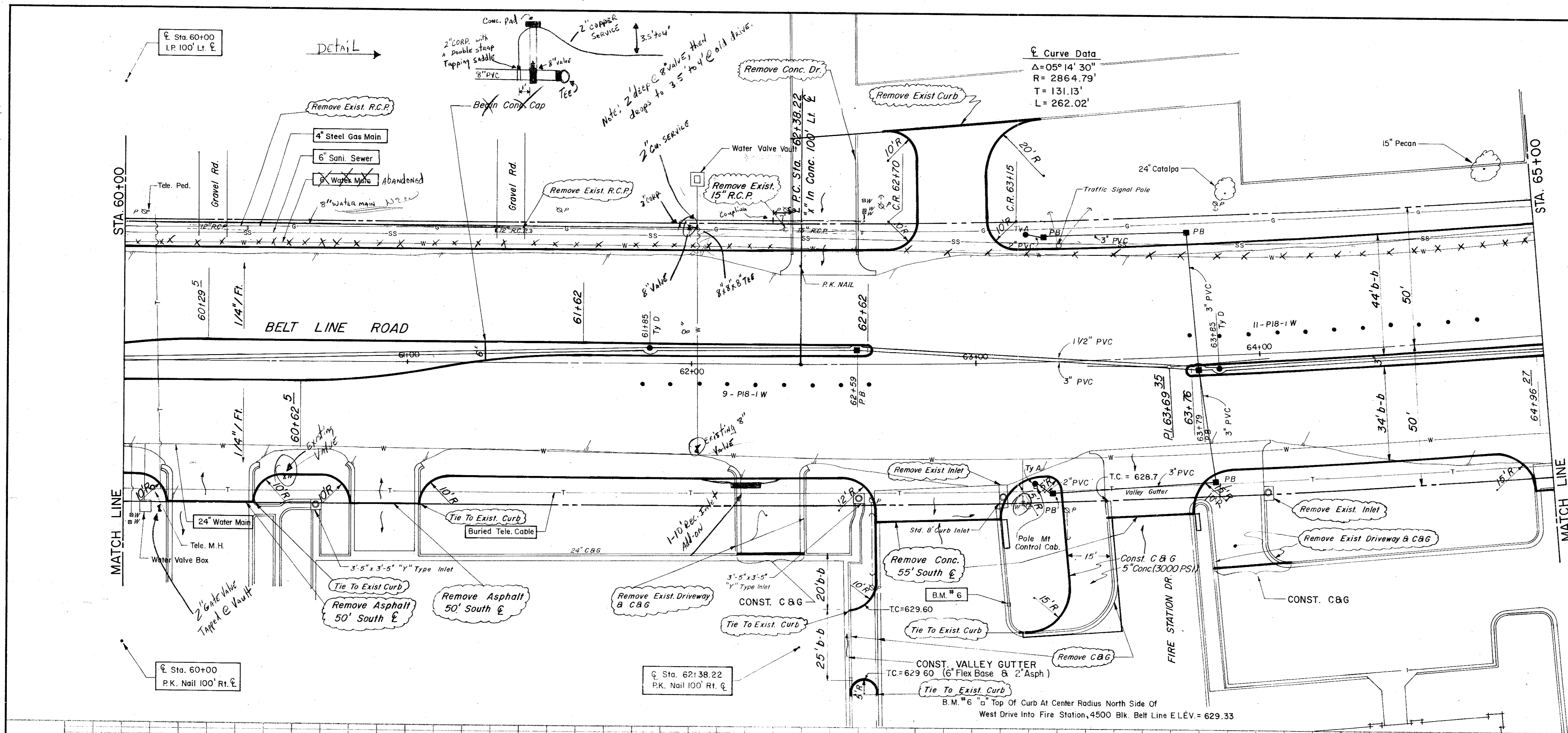
B.M. # 7 "a" Top Of Curb At Curb Return, West Side Of Westmost Drive Into Victoria Station And Belt Line. ELEV = 633.05



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



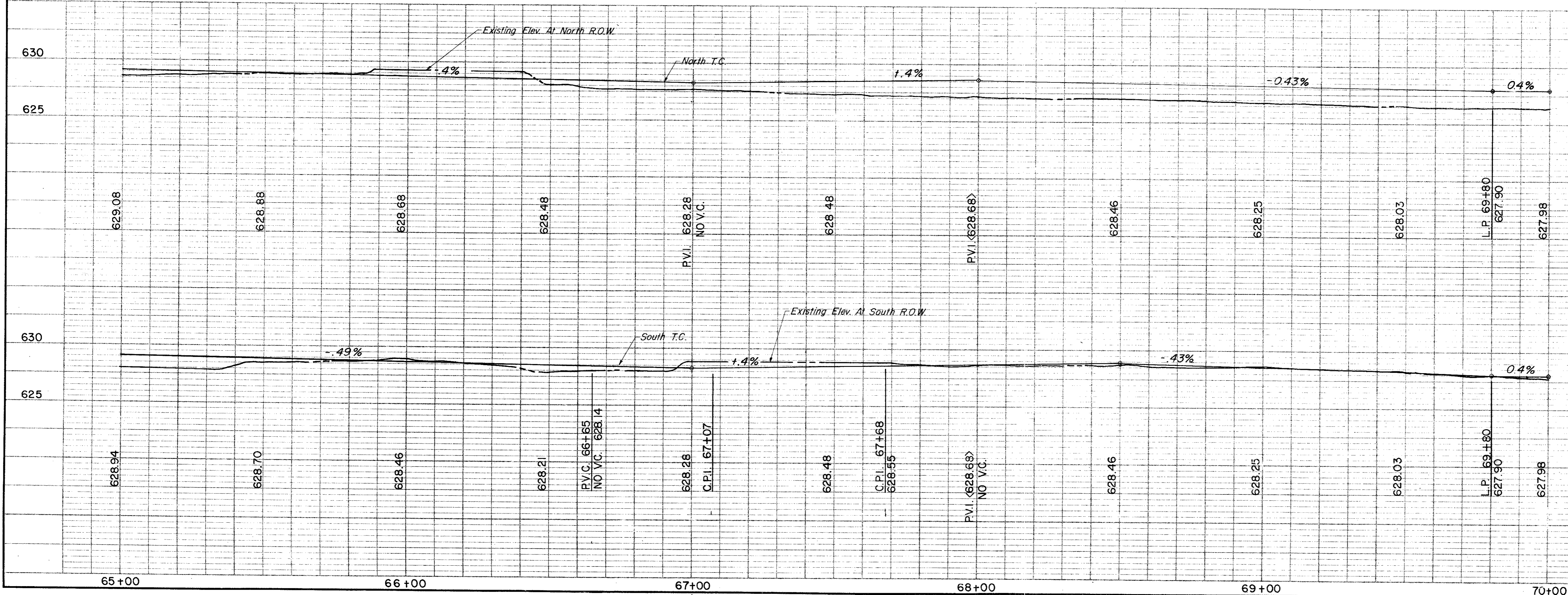
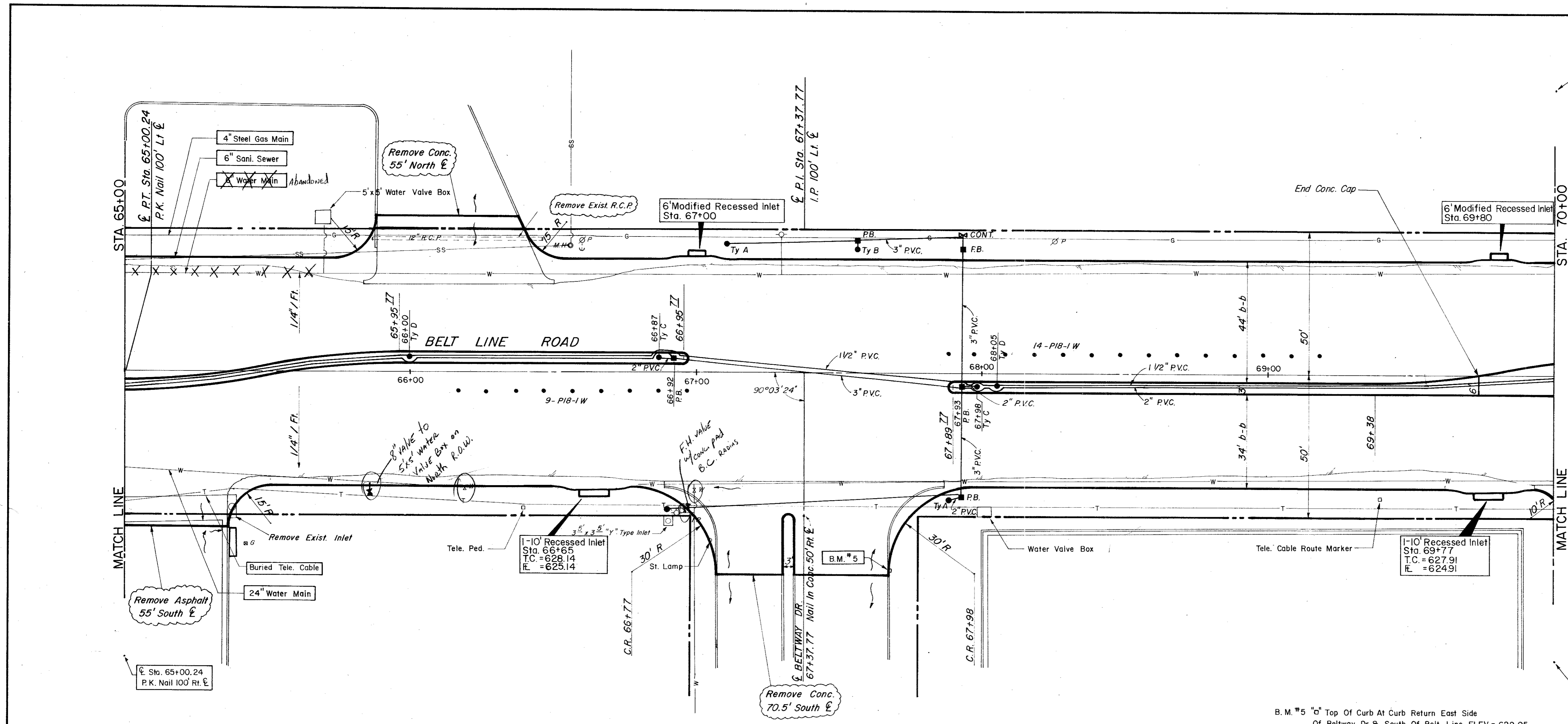
1	Relocate Owens Driveway	10/28/1980
No.	Revision	Date

CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
PAVING Sta. 60+00 to 65+00
BELT LINE ROAD
MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.G.	CHECKED-S.M.	SCALE-H=1"=20'/V=1"=5'	SHEET 18 OF

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	239
104.2	Sawed Break-Out Groove	LF	146
110	Unclassified Road Excavation (Dens Cont.)	CY	2154
160	Placing 4" Topsoil	CY	1.88
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	46.89
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3751.40
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	75.17
340.2	6" Hot Mix Asphalt (Ty B)	Ton	349.70
360.1	8" Conc Pavement (3000 PSI)	SY	4590.99
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1578
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY	139.82
479.2	Adjust Manhole	EA	3
630.5	Signal Cont. Foundation	EA	1
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	174.52
630.1	Foundation (Ty A) Traffic Sig In Place	EA	2
630.2	Foundation (Ty B) Traffic Sig In Place	EA	1
630.3	Foundation (Ty C) Traffic Sig In Place	EA	2
630.4	Foundation (Ty D) Illumination	EA	2
640.1	1/2" PVC Conduit, Furnish & Install	LF	500
640.2	2" PVC Conduit, Furnish & Install	LF	419
640.3	3" PVC Conduit, Furnish & Install	LF	276
640.4	Pull Box, Complete In Place	EA	5
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	44
752.2	Traffic Buttons - Single Refl Ty P13-1 White	EA	23
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	220

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



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

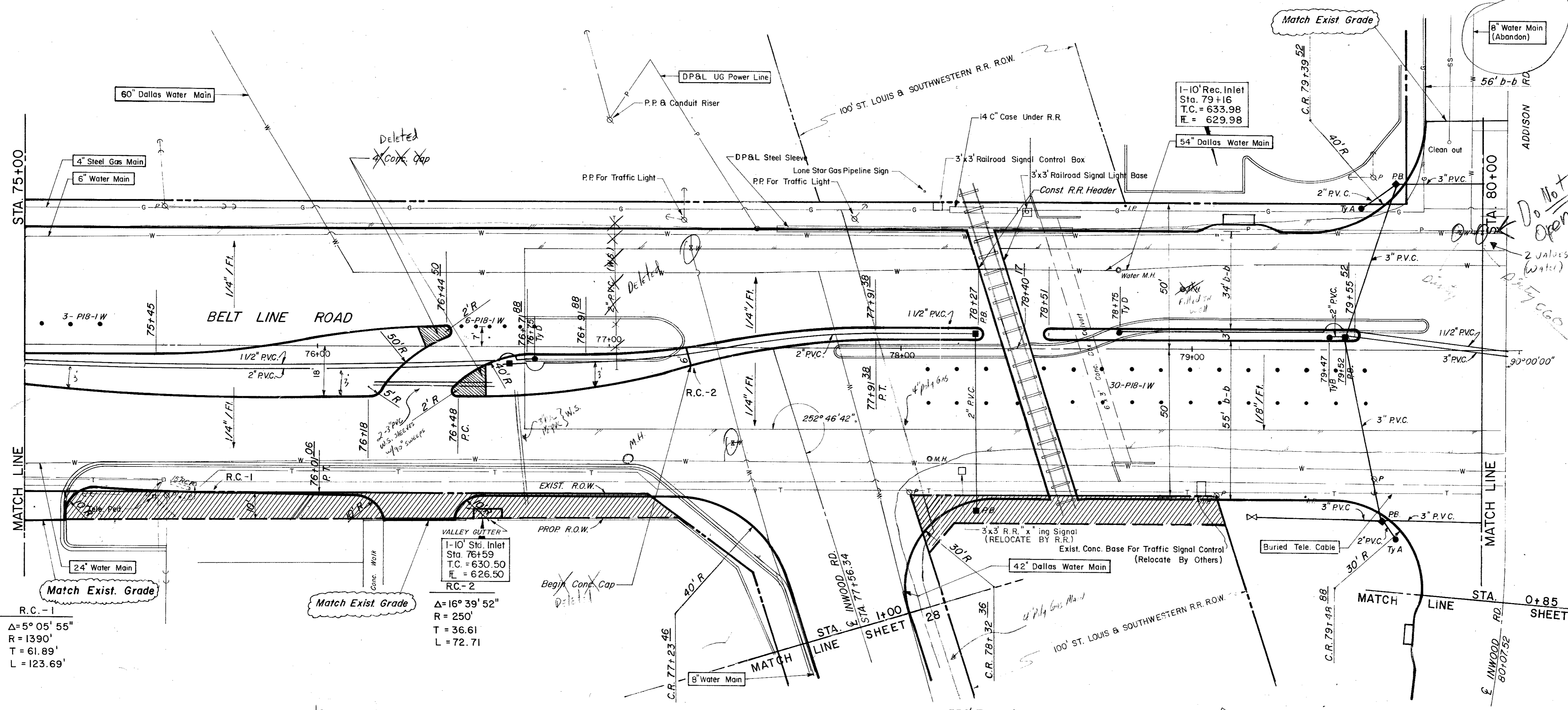
PAVING Sta. 65+00 to 70+00
BELT LINE ROAD
 MARSH LANE TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	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
360.4	4" Non-Reinf Conc In Median (2000 PSI)	SY	5
479.1	Adjust Water Valves	EA	3
479.2	Adjust Manhole	EA	50'
690.5	2" P.V.C. SCH 40 (Conc. Encasement)	LF	1
630.5	Signal Cont. Foundation	EA	62.30
522	Conc Curb & Gutter Class A	LF	2
524	Conc Driveways, Appr 5" Rein Conc (3000 PSI)	SY	1
630.1	Foundation (Ty A) Traffic Sig In Place	EA	1
630.2	Foundation (Ty B) Traffic Sig In Place	EA	2
630.3	Foundation (Ty C) Traffic Sig In Place	EA	2
630.4	Foundation (Ty D) Illumination	EA	300
640.1	1/2" PVC Conduit, Furnish & Install	LF	412
640.2	2" PVC Conduit, Furnish & Install	LF	273
640.3	3" PVC Conduit, Furnish & Install	LF	6
640.4	Pull Box, Complete In Place	EA	44
752.1	Traffic Buttons-Single Refl Ty P15 White	EA	41
752.2	Traffic Buttons-Single Refl Ty P18-1 White	EA	220
754.1	Traffic Buttons-Nonrefl, Ty P7 White	EA	

LEGEND

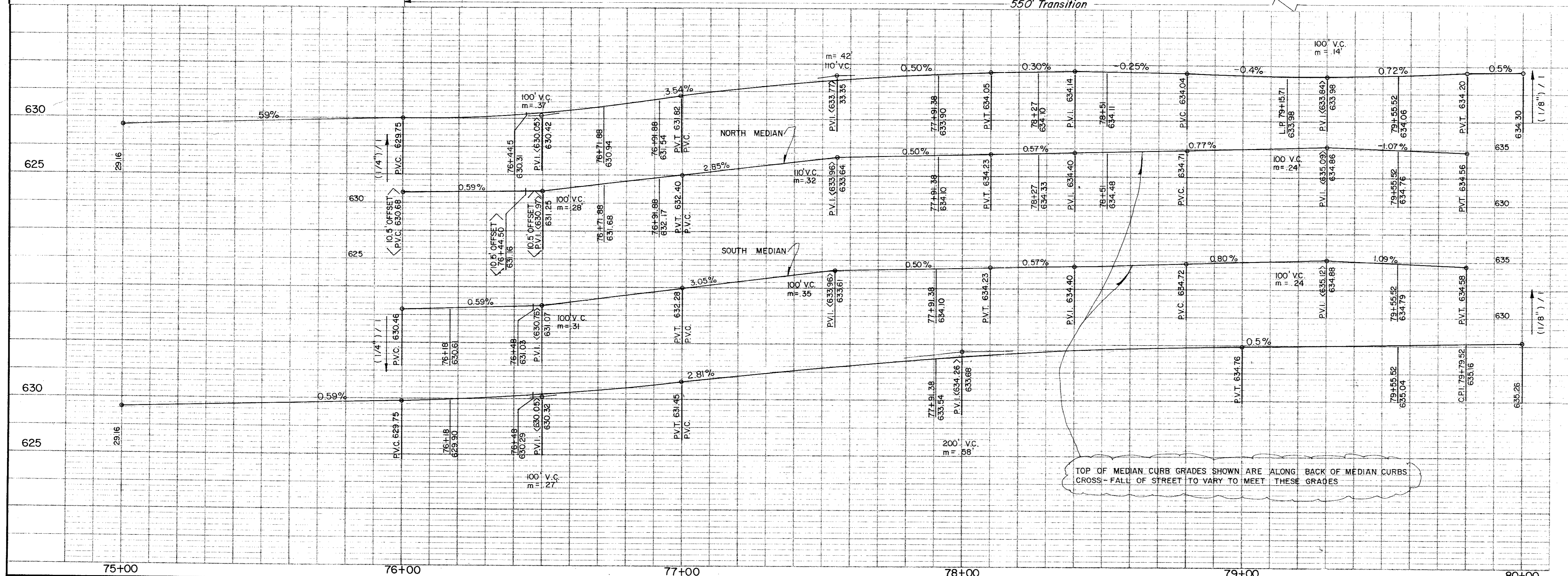
- Bench Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Telephone Line
- Guy Wire Anchor
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way Line (R.O.W.)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



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

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

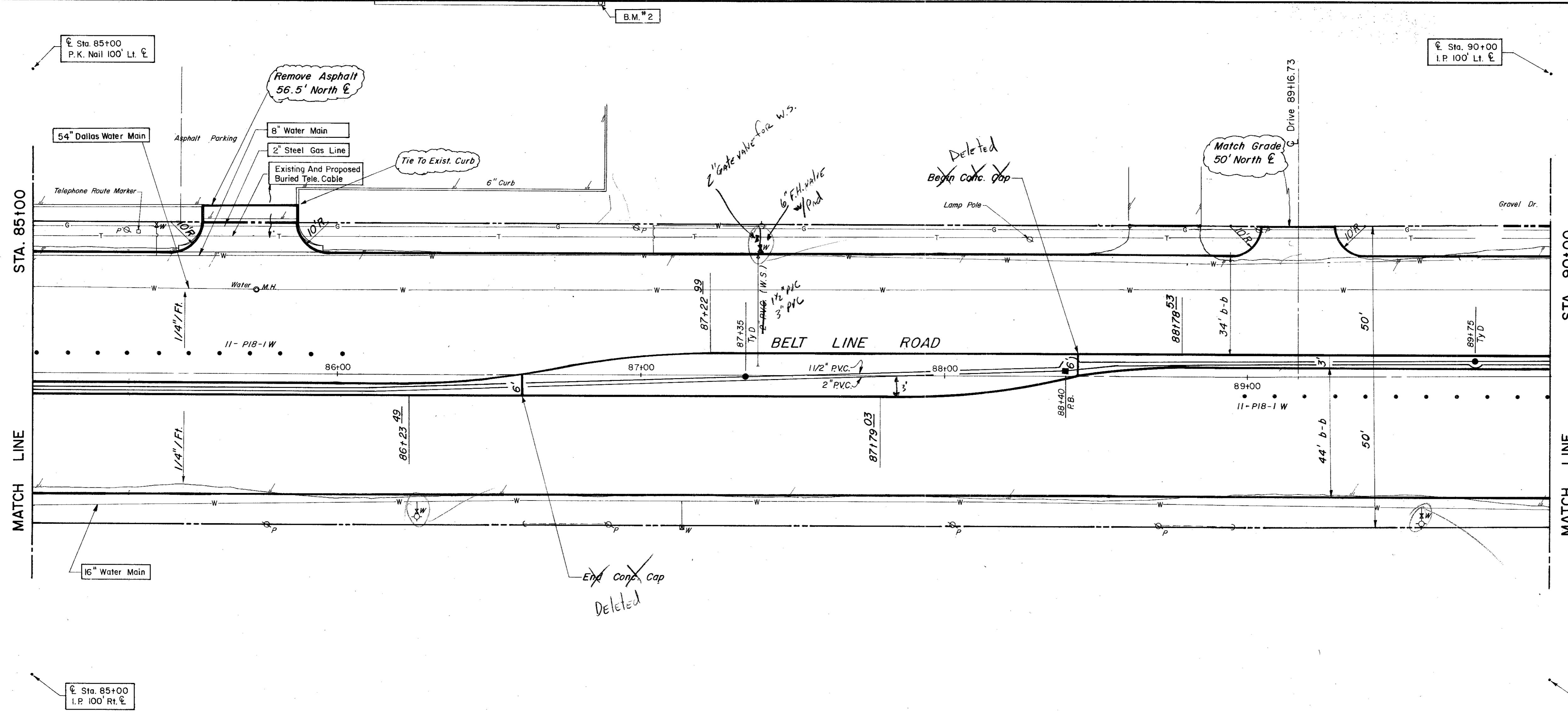
STA 0+85
 SHEET 27



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

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

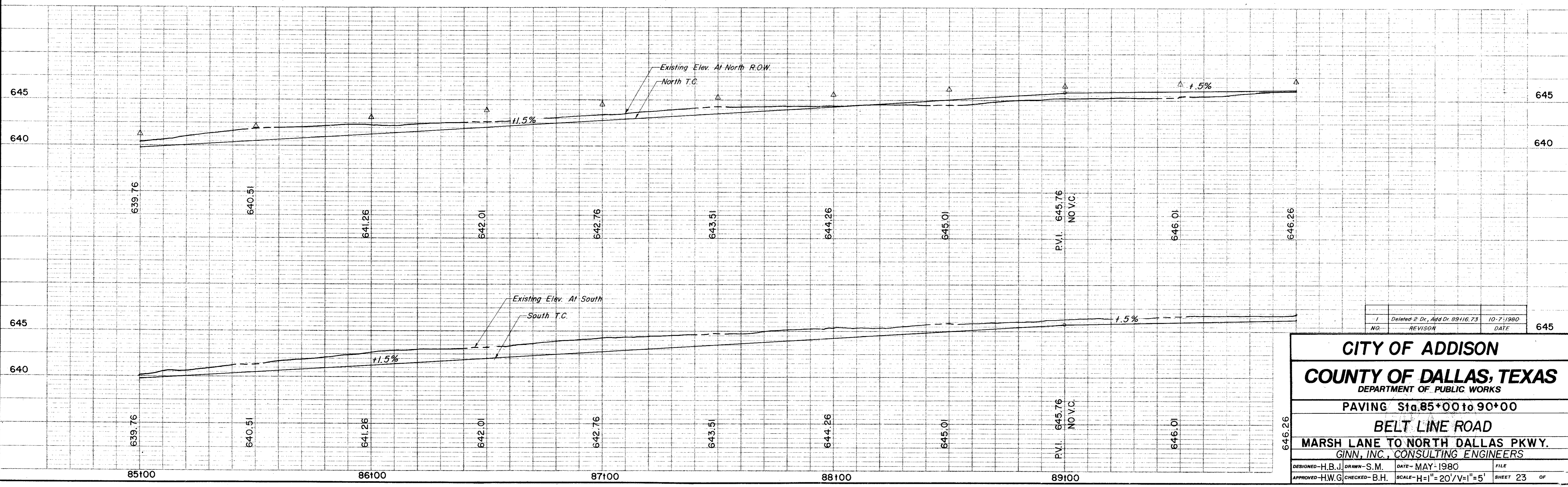
DESIGNED-H.B.J. DRAWN-S.M. DATE-MAY-1980 FILE
 APPROVED-H.W.G. CHECKED-B.H. SCALE-H=1"=20'/V=1"=5' SHEET 21 OF



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100.	Prepare Roadway R.O.W.	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	74
110	Unclassified Road Excavation (Dens Cont.)	CY	3482
160	Placing 4" Topsoil	CY	24.58
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	
260.1	Line (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

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

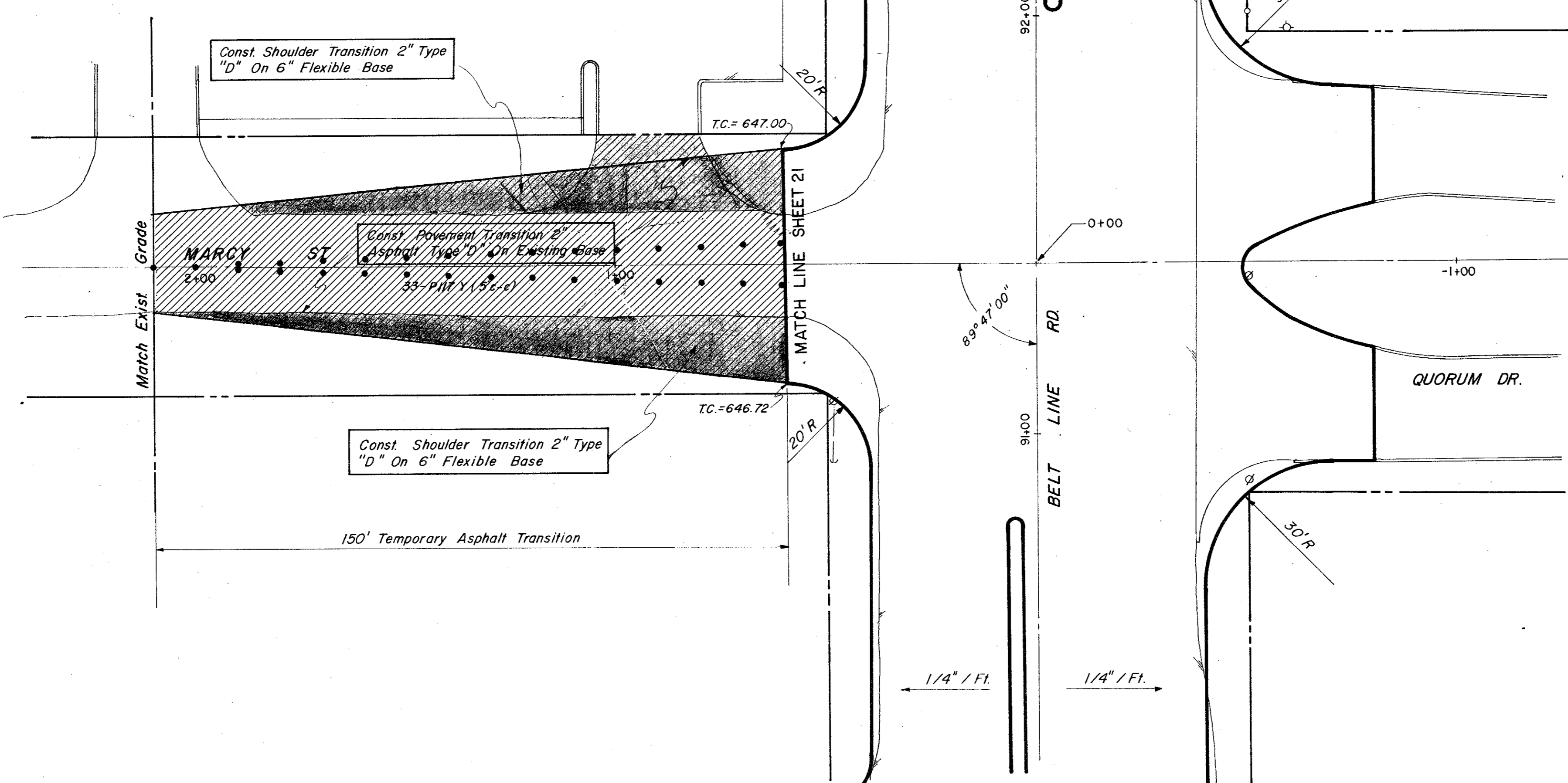
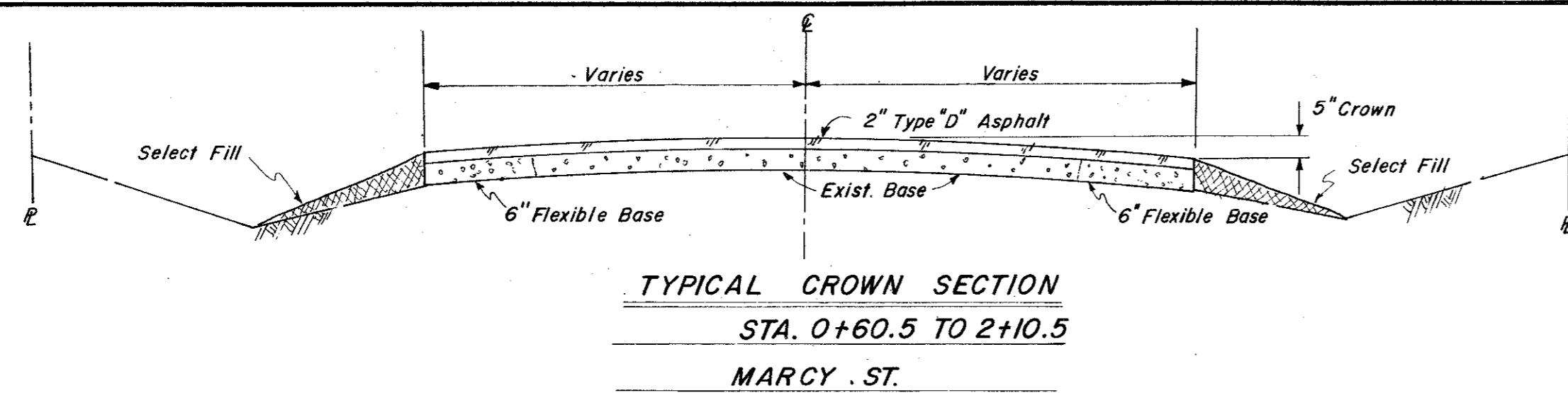
B.M. #2 "b" on Conc. Walk At S.E. Corner Of Storage Building For Payless
 Cashways East Of Addison Road & North Of Belt Line Road. ELEV.=638.65



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.	
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	50
110	Unclassified Road Excavation (Dens Cont.)	CY	
160	Placing 4" Topsoil	CY	
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, Cl 3)	CY	44
260.1	Lime (Ty A) Slurry Method	Ton	
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	
340.1	3" Hot Mix Asph (Ty D) Resurf Shoulder	Ton	
340.2	6" Hot Mix Asphalt (Ty B)	Ton	
360.1	8" Conc Pavement (3000 PSI)	SY	
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	
360.3	4" Non-Reinf Conc In Median (2000 PSI)	SY	
340.3	2" Hot Mix Asphalt (Ty D) Transition	Ton	148.50
752.3	Traffic Buttons - Dbl. Refl., Ty P17 Yellow	EA	33
522	Conc Curb & Gutter Class A	LF	
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	
630.1	Foundation (Ty A) Traffic Sig In Place	EA	
630.2	Foundation (Ty B) Traffic Sig In Place	EA	
630.3	Foundation (Ty C) Traffic Sig In Place	EA	
630.4	Foundation (Ty D) Illumination	EA	
640.1	1 1/2" PVC Conduit, Furnish & Install	LF	
640.2	2" PVC Conduit, Furnish & Install	LF	
640.3	3" PVC Conduit, Furnish & Install	LF	
640.4	Pull Box Complete In Place	EA	
752.1	Traffic Buttons - Single Refl Ty P15 White	EA	
752.2	Traffic Buttons - Single Refl Ty P18-1 White	EA	
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	

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

CITY OF ADDISON

COUNTY OF DALLAS, TEXAS

DEPARTMENT OF PUBLIC WORKS

MARCY ROAD TRANSITION

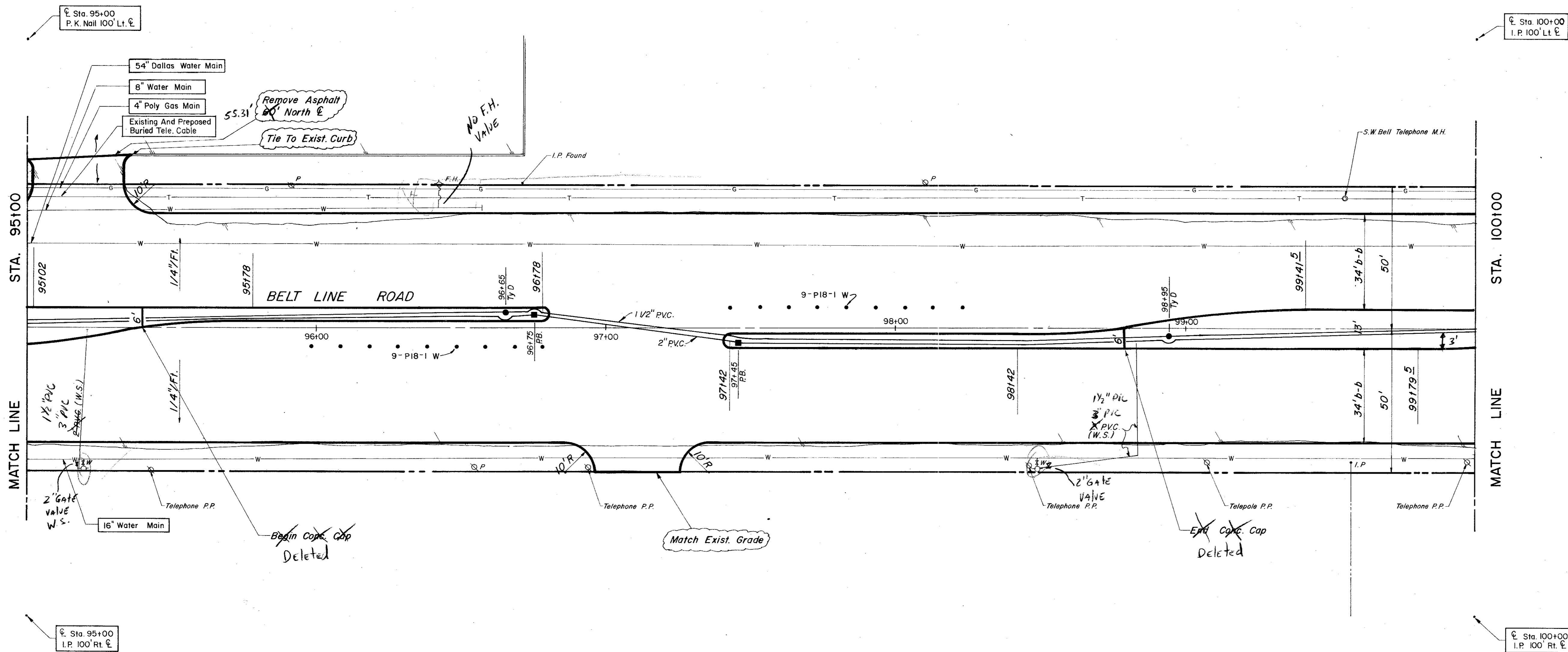
BELT LINE ROAD

MARSH LANE TO NORTH DALLAS PKWY.

GINN, INC., CONSULTING ENGINEERS

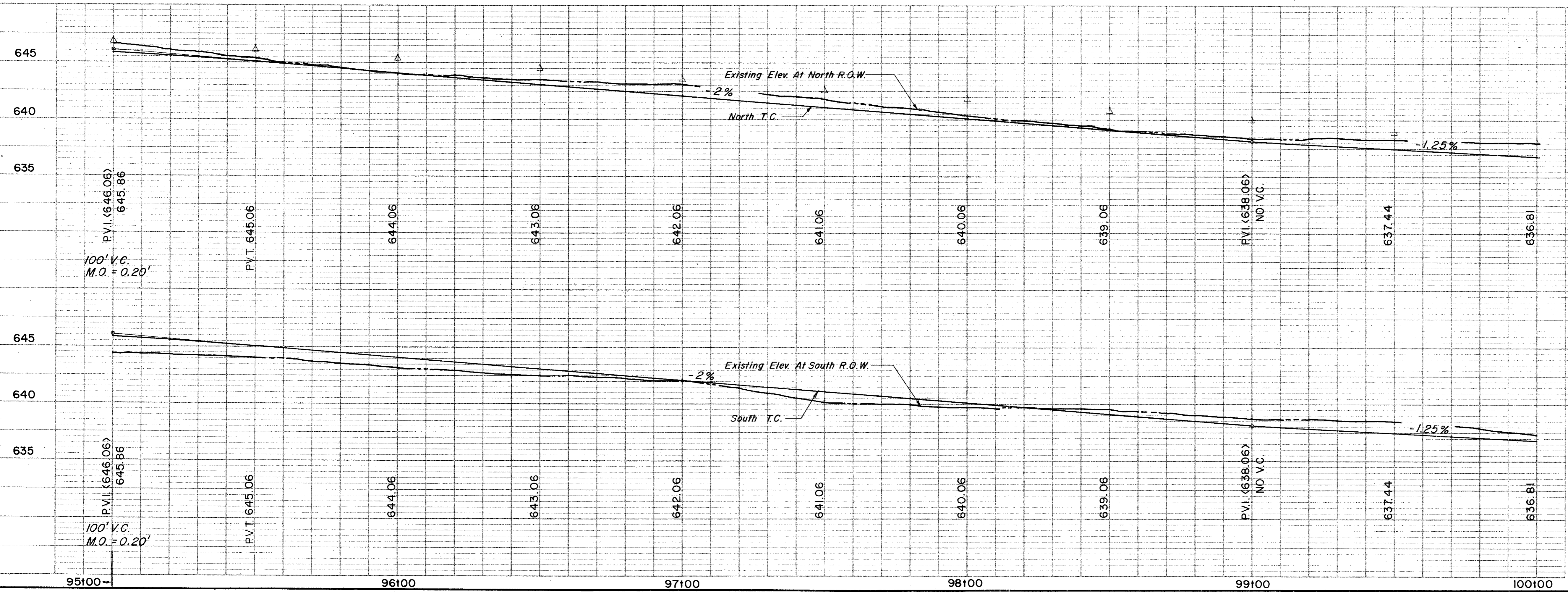
DESIGNED - H.B.J. DRAWN - B.H. DATE - MAY - 1980 FILE

APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20'/V=1"=5' SHEET 24 A OF

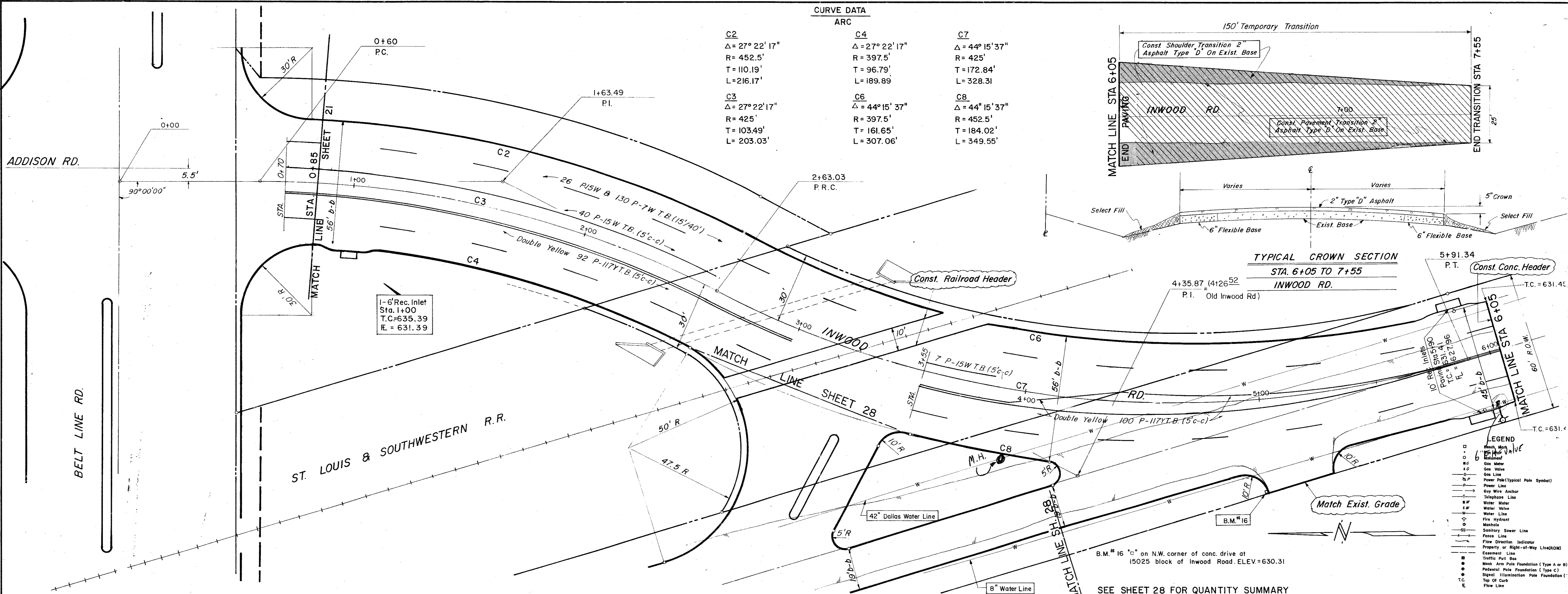


ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
100	Prepare Roadway R.O.W	Sta.	5
104.1	Remove Old Concrete, Pavement & Median	SY	
104.2	Sawed Break-Out Groove	LF	65
110	Unclassified Road Excavation (Dens Cont.)	CY	3519
160	Placing 4" Topsoil	CY	21.57
248	6" Flex Base (Dens Cont.) (Ty A, Gr 2, C13)	CY	
260.1	Lime (Ty A) Slurry Method	Ton	
260.2	6" Lime Treated Subgrade (Dens Cont.)	SY	
340.1	3" Hot Mix Asphalt (Ty D) Resurf Shoulder	Ton	
340.2	6" Hot Mix Asphalt (Ty B)	Ton	
360.1	8" Conc Pavement (3000 PSI)	SY	4197.23
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	1785
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY	100.97
640.5	2" PVC SCH 40 (Conc Encasement)	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	
□	Manhole Mark
○	Iron Pin
○	Manhole
○	Gas Meter
○	Gas Valve
○	Gas Line
○	Power Pole (Typical Pole Symbol)
○	Power Line
○	City Wire Anchor
○	Telephone Line
○	Water Meter
○	Water Valve
○	Water Line
○	Fire Hydrant
○	Manhole
○	Sanitary Sewer Line
○	Face Line
○	Flow Direction Indicator
○	Property or Right-of-Way Line (ROW)
○	Estimate 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

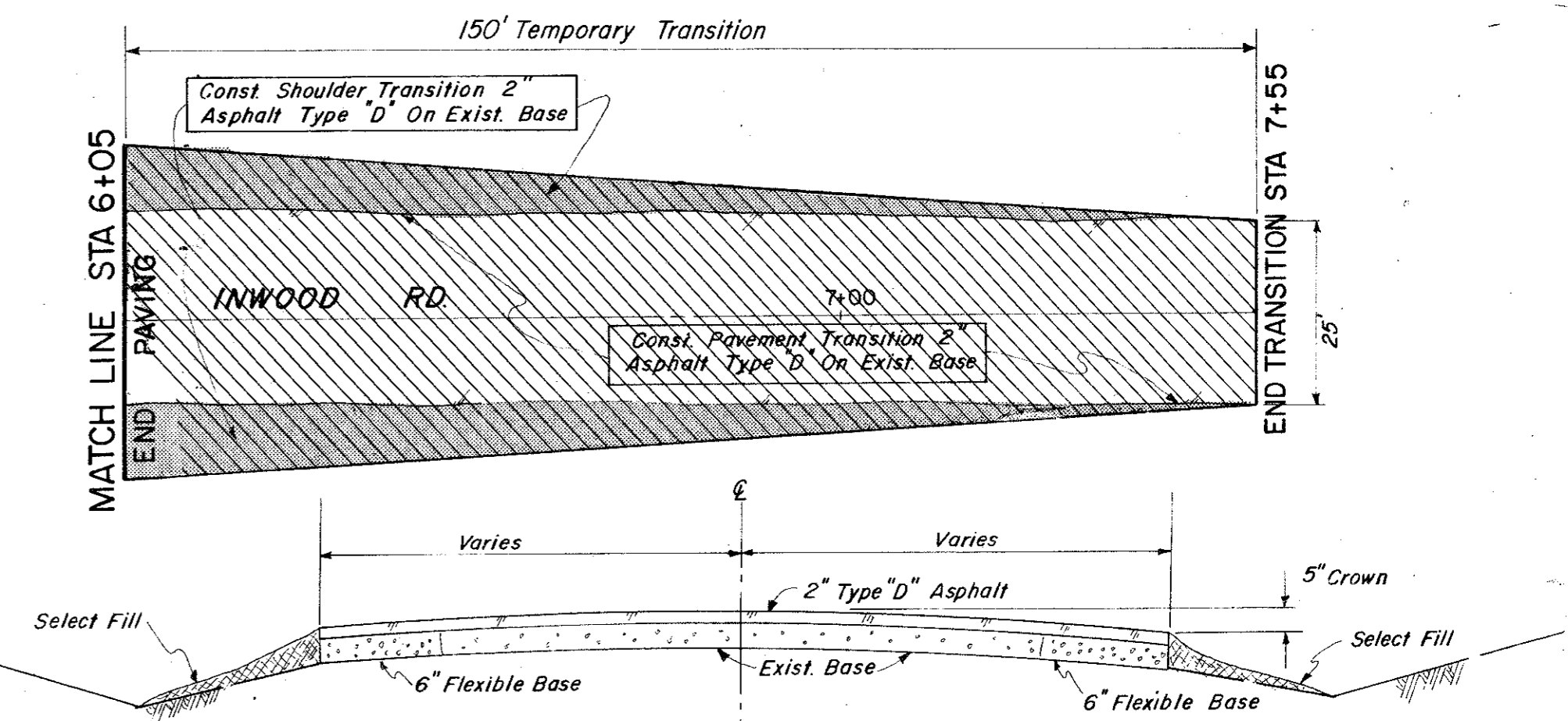


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
PAVING Sta. 95+00 to 100+00
BELT LINE ROAD
MARSH LANE TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS
 DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1980 FILE
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20' / V=1"=5' SHEET 25 OF

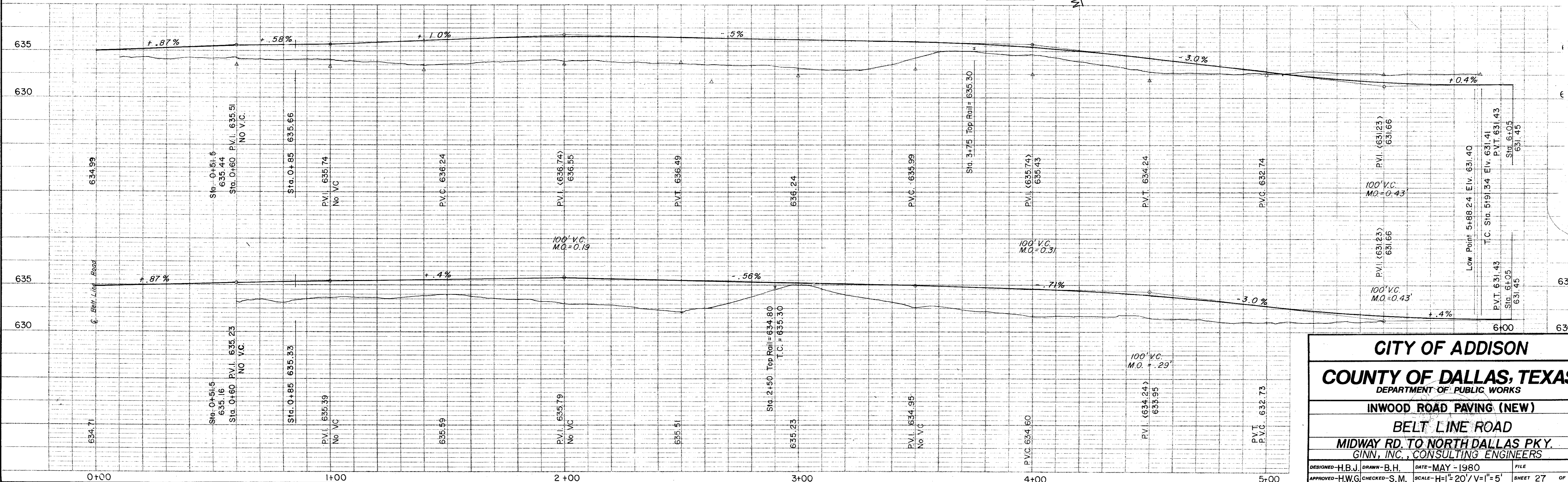


CURVE DATA

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
$\Delta = 44^\circ 15' 37''$	$\Delta = 44^\circ 15' 37''$
$R = 425'$	$R = 452.5'$
$T = 172.84'$	$T = 184.02'$
$L = 328.31'$	$L = 349.55'$

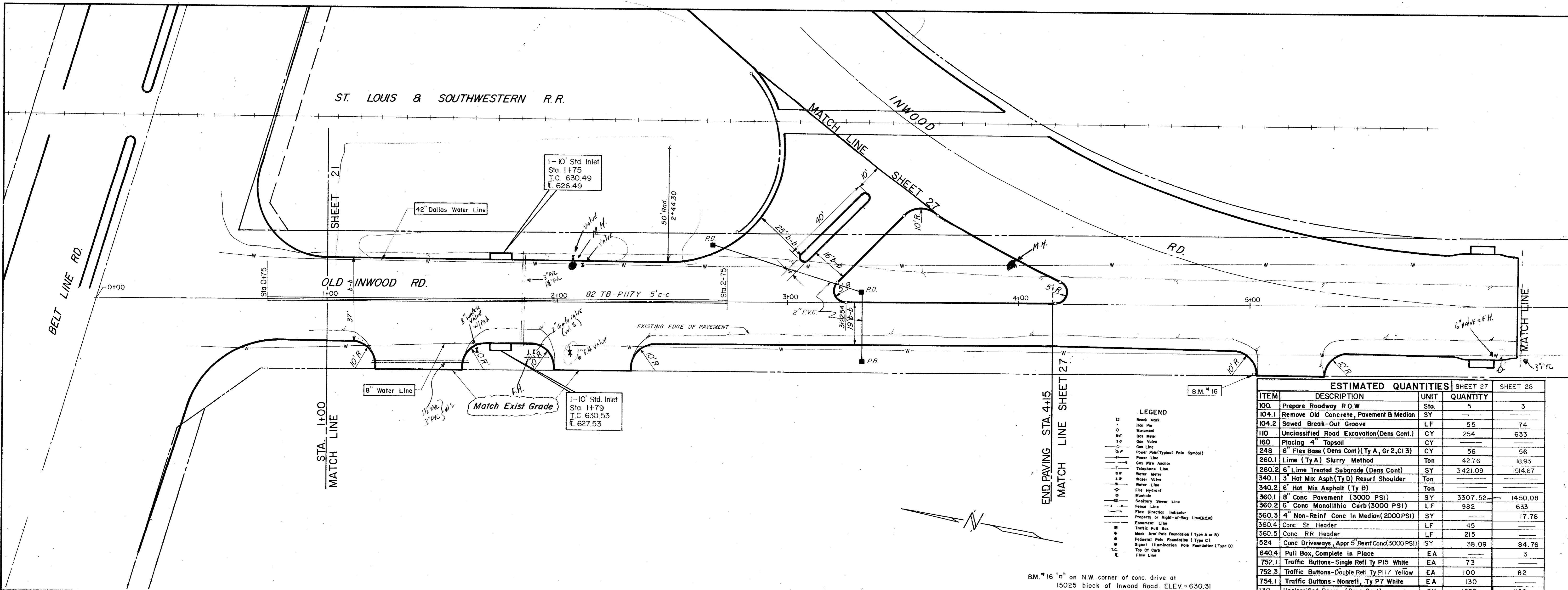


- LEGEND**
- Manhole
 - Manhole Valve
 - Gas Valve
 - Gas Meter
 - Gas Line
 - Power Pole (Typical Pole Symbol)
 - Power Line
 - City Wire Anchor
 - Telephone Line
 - Water Meter
 - Water Valve
 - Water Line
 - Fire Hydrant
 - Manhole
 - Sanitary Sewer Line
 - Face Line
 - Flow Direction Indicator
 -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



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

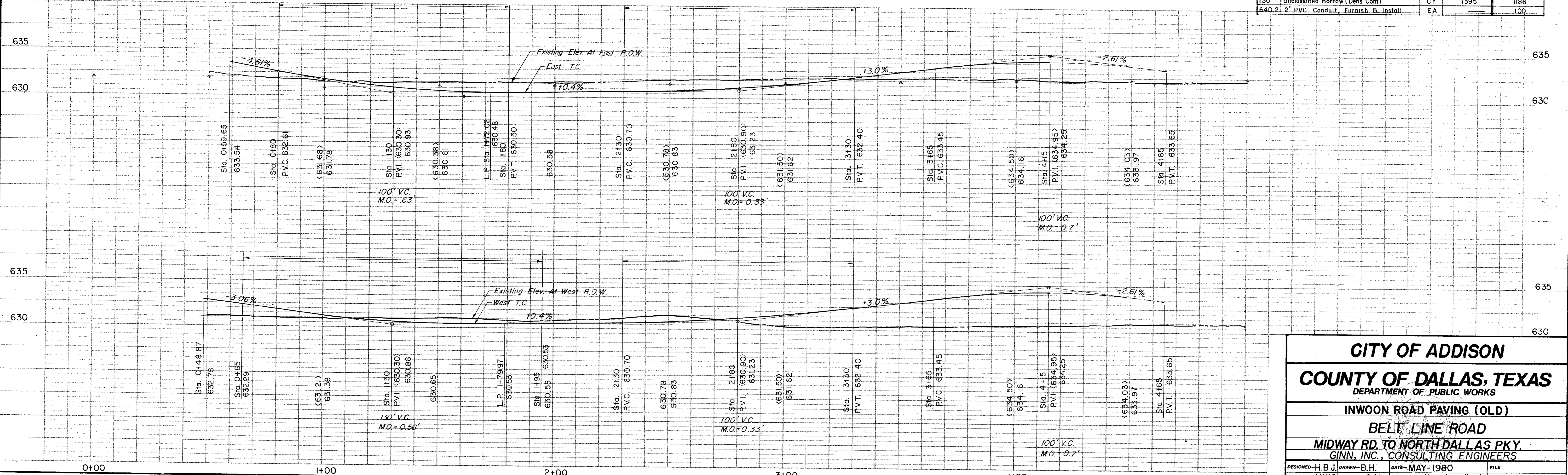
DESIGNED - H.B.J. / DRAWN - B.H.	DATE - MAY - 1980	FILE
APPROVED - H.W.G. / CHECKED - S.M.	SCALE - H=1/2" / V=1" = 5'	SHEET 27 OF



ESTIMATED QUANTITIES				SHEET 27	SHEET 28
ITEM	DESCRIPTION	UNIT	QUANTITY		
100	Prepare Roadway R.O.W	Sta.	5		3
104.1	Remove Old Concrete, Pavement & Median	SY			
104.2	Sawed Break-Out Groove	LF	55		74
110	Unclassified Road Excavation (Dens Cont.)	CY	254		633
160	Placing 4" Topsoil	CY			
248	6" Flex Base (Dens Cont) (Ty A, Gr 2, C13)	CY	56		56
260.1	Lime (Ty A) Slurry Method	Ton	42.76		18.93
260.2	6" Lime Treated Subgrade (Dens Cont)	SY	3421.09		1514.67
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	3307.52		1450.08
360.2	6" Conc Monolithic Curb (3000 PSI)	LF	982		633
360.3	4" Non-Reinf Conc in Median (2000 PSI)	SY			17.78
360.4	Conc St Header	LF	45		
360.5	Conc RR Header	LF	215		
524	Conc Driveways, Appr 5" Reinf Conc (3000 PSI)	SY	38.09		84.76
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		82
754.1	Traffic Buttons - Nonrefl, Ty P7 White	EA	130		
130	Unclassified Borrow (Dens Cont)	CY	1595		1186
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 (ROW)
 - Equipment Line
 - Traffic Pull Box
 - Mass Arm Pole Foundation (Type A or B)
 - Pedestal Pole Foundation (Type C)
 - Signal Illumination Pole Foundation (Type D)
 - Top Of Curb
 - Flow Line

B.M. #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

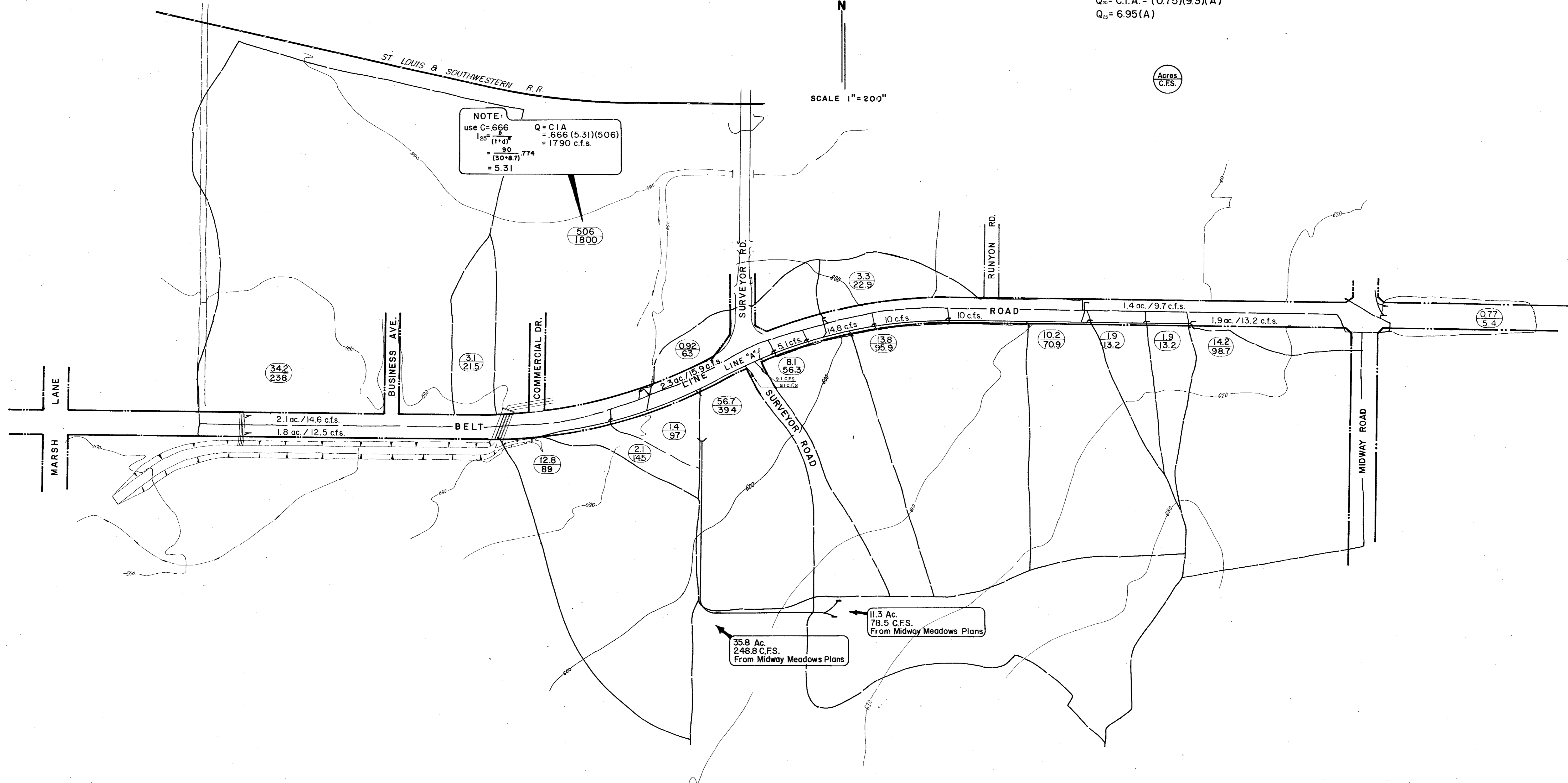
INWOOD ROAD PAVING (OLD)
BELT LINE ROAD
 MIDWAY RD. TO NORTH DALLAS PKY.
 GINN, INC., CONSULTING ENGINEERS

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

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

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

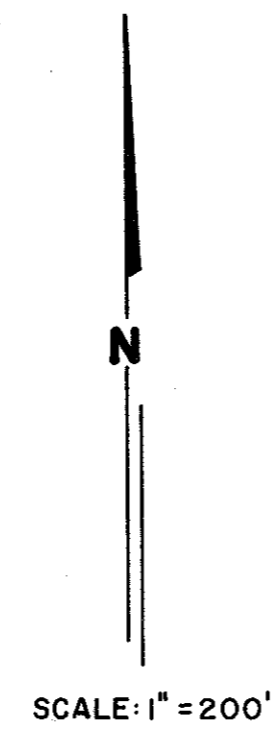
For Dallas County

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

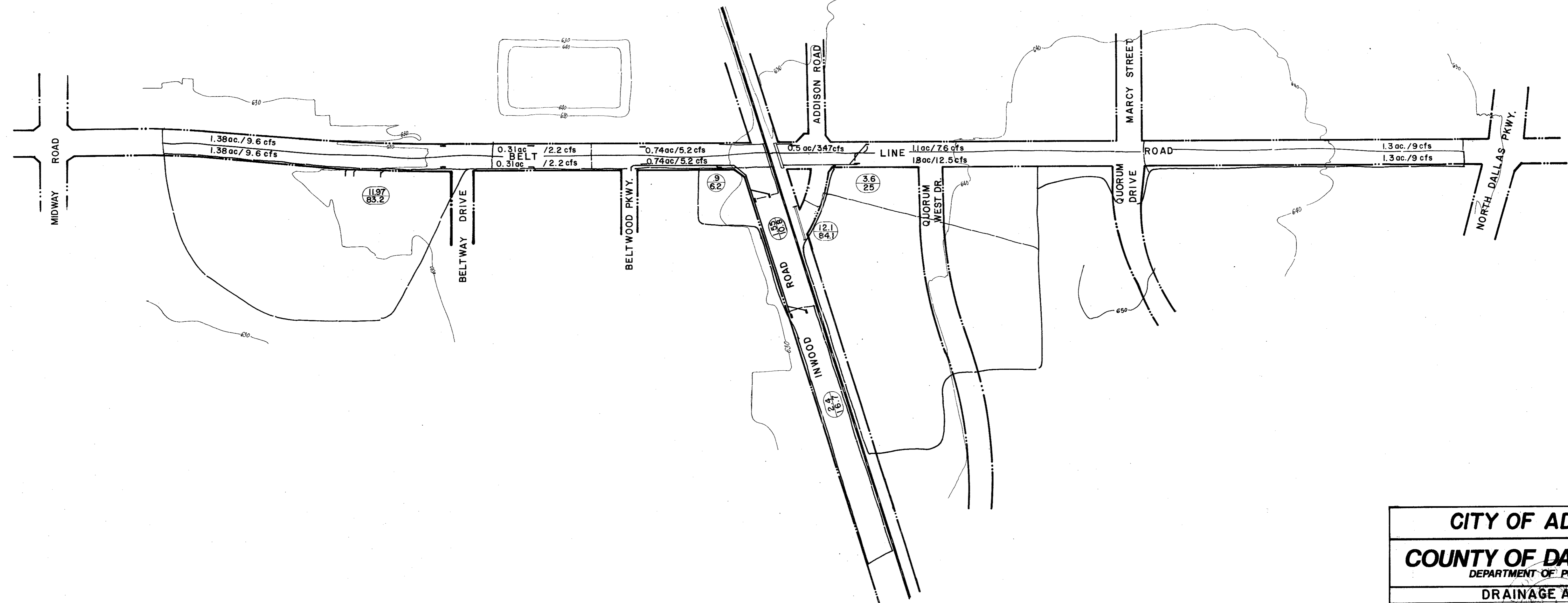
$$Q_{24} = C.I.A. = (0.75)(9.3)(A)$$

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

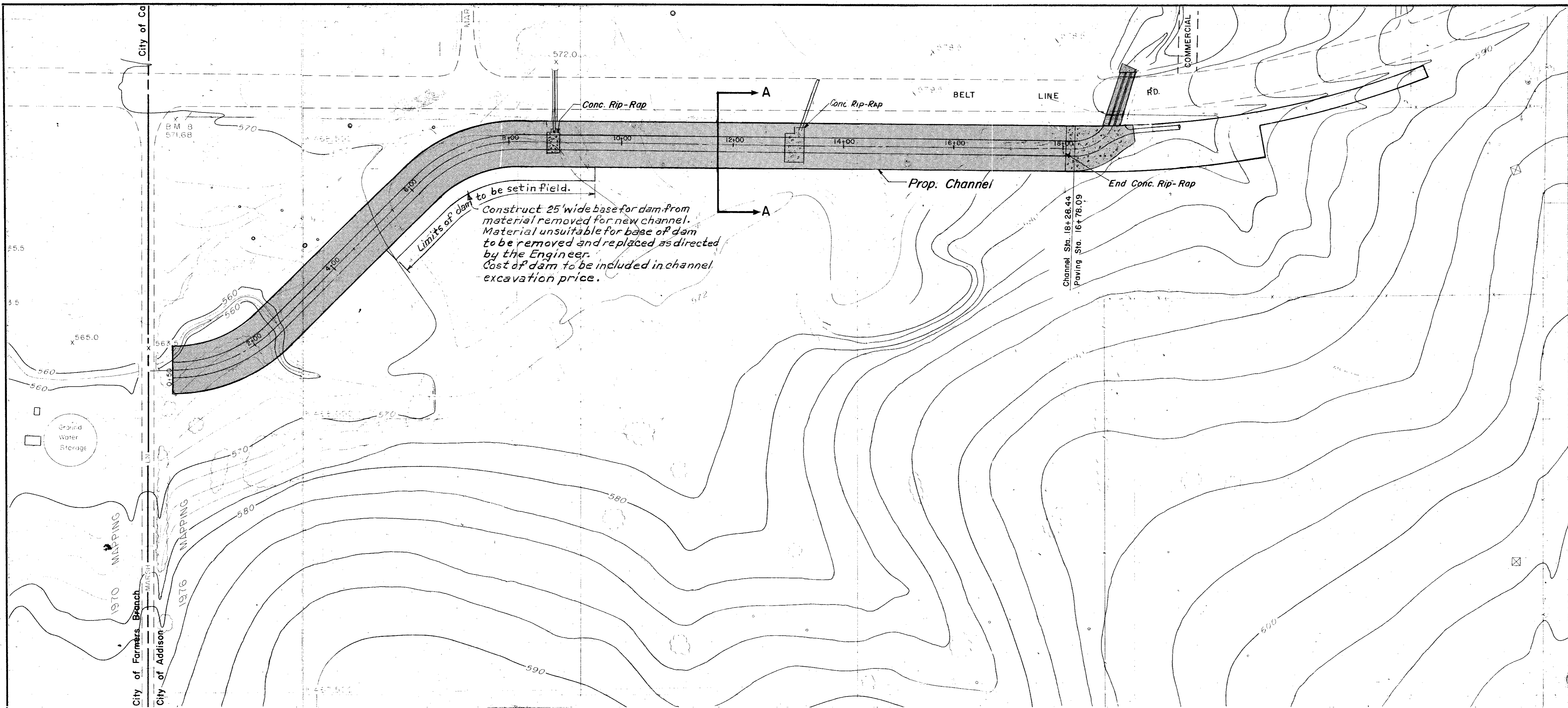
Acres
 C.F.S.



SCALE: 1" = 200'



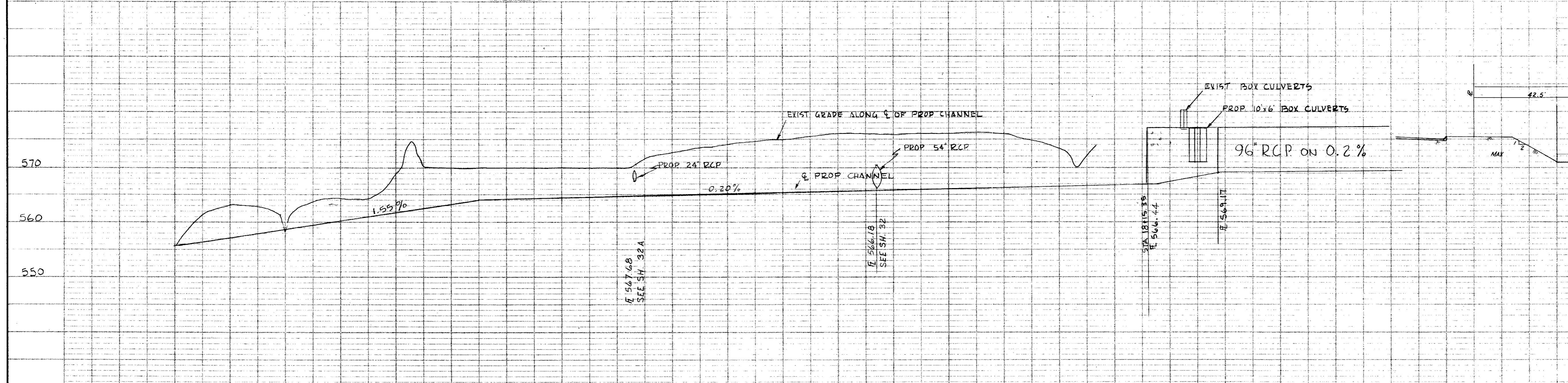
CITY OF ADDISON		
COUNTY OF DALLAS, TEXAS		
<small>DEPARTMENT OF PUBLIC WORKS</small>		
DRAINAGE AREA MAP		
BELT LINE ROAD		
MIDWAY ROAD TO NORTH DALLAS PKWY.		
<small>GINN, INC., CONSULTING ENGINEERS</small>		
<small>DESIGNED - H.B.J.</small>	<small>DRAWN - B.H.</small>	<small>DATE - MAY-1980</small>
<small>APPROVED - 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	Excavation for Channel	LS	15,000.0
162	Excavation for Erosion Cont.	LS	

LEGEND

□	Bench Mark
○	Iron Pin
●	Manometer
⊙	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
—○—	Face Line
—○—	Flow Direction Indicator
—○—	Property or Right-of-Way Line (ROW)
—○—	Easement Line
□	Traffic Post Box
⊙	Wash Arm Pole Foundation (Type A or B)
⊙	Pedestal Pole Foundation (Type C)
⊙	Signal Illumination Pole Foundation (Type D)
T.C.	Top Of Curb
℄	Flow Line



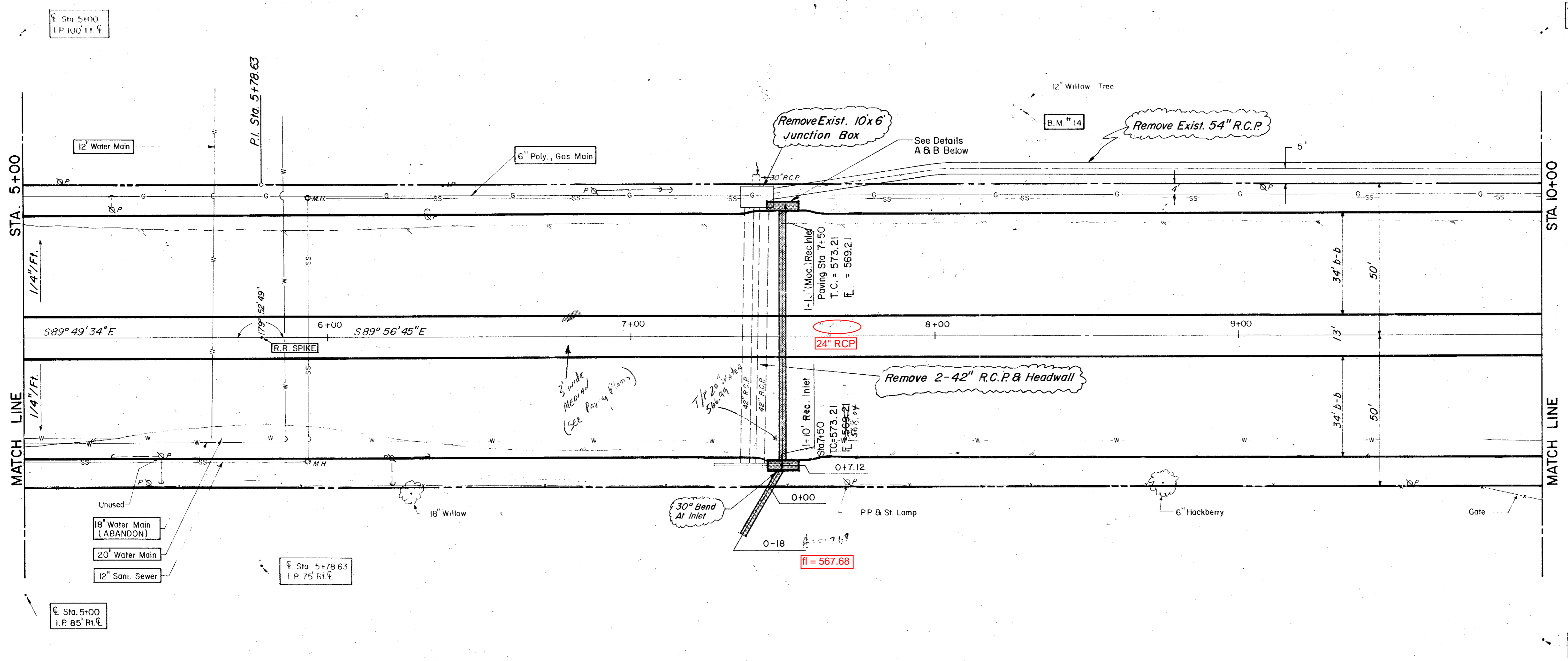
REVISION 6-13-80
DATE

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

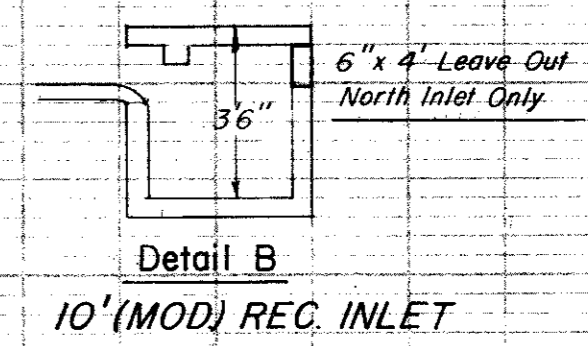
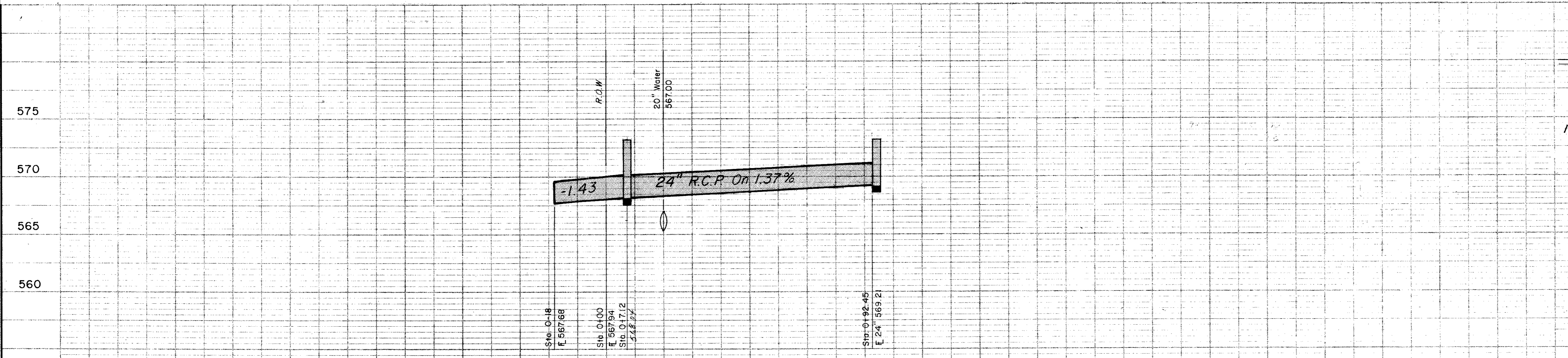
DESIGNED - J.C.H. DRAWN - B.H. DATE - MAY 1980 FILE
APPROVED - HWG CHECKED - S.M. SCALE - H=1"=100'/V=1"=10' SHEET 31 OF

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 Pole
○	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 Pole 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



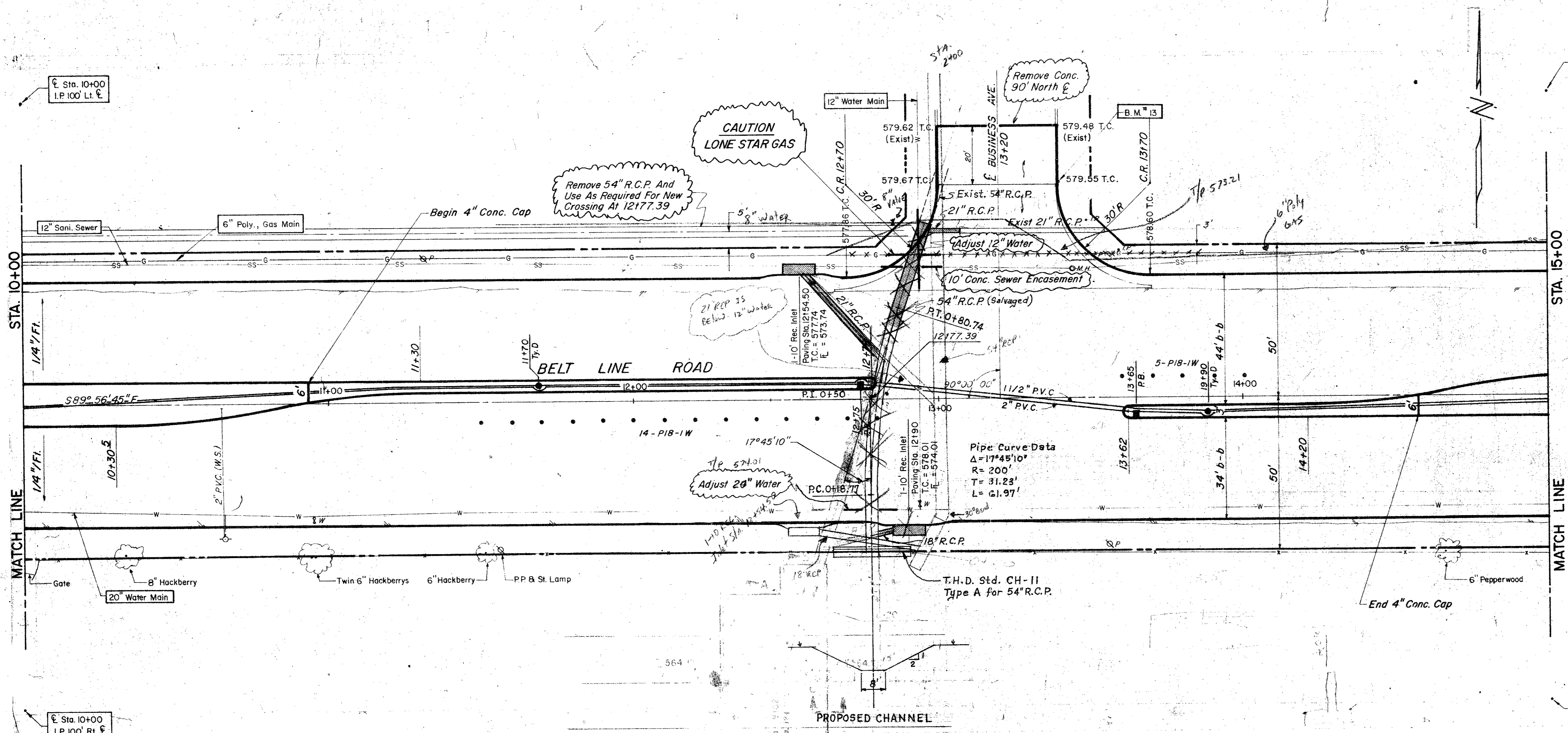
NO SCALE

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

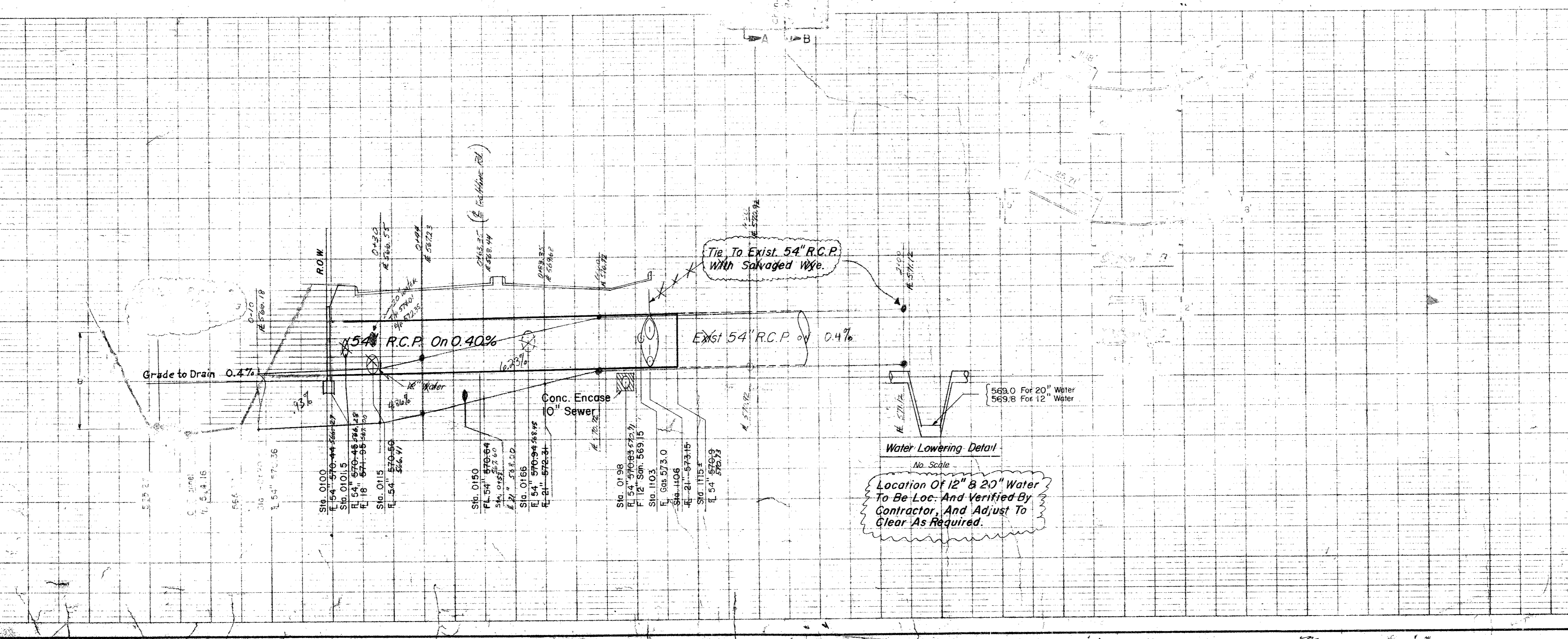
DESIGNED - J.C.H. DRAWN - B.H. DATE - MAY - 1980 FILE
 APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 32 OF

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
- 8" Gas Meter
- 6" 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
- 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

Sta. 15+00
I.P. 100 Lt. E

Sta. 20+00
I.P. 100 Rt. E

Sta. 15+00

Match Line Sta. 20+00

Match Line

Storm Sewer Sta. 3+06.28

Sta. 15+00
I.P. 100 Rt. E

Sta. 20+00
I.P. 100 Rt. E

ITEM	DESCRIPTION	UNIT	QUANTITY
400	PRECAST 10'x6' CONC. BOX CVLVT	LF	315
421	CL. A CONC. FOR HEADWALLS	CY	4.1
432	CONC. RETAINING WALLS (CL. III)	CY	64.4
437	18" R.C.P. CHANNEL	LF	1055
465.1	9" R.C.P. CHANNEL	LF	213
479.1	Adjust 20" Water Main	LF	43.0
490.1	Remove 24" R.C.P. (CL. III)	LF	1.0
490.2	Remove 24" R.C.P. (CL. III)	LF	1.0
496.4	REMOVE 24" R.C.P. (CL. III) TO 36" R.C.P.	LF	100
496.5	REMOVE CULVERT WINGWALLS	LF	
496.6	FOOTING PARAPET (STA 17+35)	LF	
496.7	REMOVE 24" R.C.P.	LF	1.2
440.1	Reinf. Steel Headwall	LF	2.0
440.2	Reinf. Steel Headwall	LF	2.0
441.1	REIN. 24" R.C.P. (CL. III) TO 36"	LF	1.2
440.5	REIN. STEEL PARAPET (8'x8' BOX CVLVT)	LF	364
550	Metel Guard Rail	LF	280
442.1	8" REINF. CONC. DIV. WALL (10'x6')	LF	1
445.5	36" R.C.P. (CL. III)	LF	2.9
447.4	CONC. PARAPET (CL. C) (8'x8' BOX CVLVT)	LF	4.2
445.6	42" R.C.P. (CL. III)	LF	3.0
442.5	10'x6' OVAL BOX CVLVT - THD MCW-I (MOD)	LF	1
445.7	18" R.C.P. (CL. III)	LF	11
472.2	10" REC. INLET	EA	2

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
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way Line (DASH)
- 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

REMOVE 2-8'x8' BOX CVLVT
INSTALL 3 T.H.D. PRECAST 10'x6' BOX CVLVERTS
DALWORTH QUICKSET BUIL TO T.H.D. SPEC.
4090 OR EQUAL

Curve Data
Δ = 75°
R = 54.98'
T = 42.19'
L = 71.97'

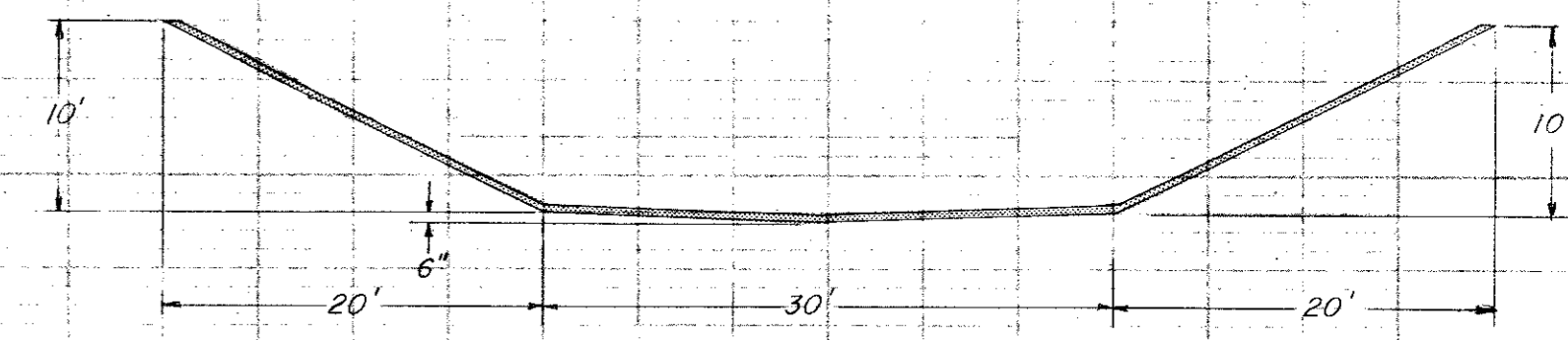
Adjust Exist
20" Water

See Detail Sheet 33A For
Hdwl & Retain Wall

See Sheet 33A For
Details Not Shown

Remove 24"
Relay 24" - Con-
nect To 36" R.C.P.

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



SECTION B-B
Scale = 1" = 10'
See Lined Channel Details,
Department of Public Works
File 251D-1-424-81C

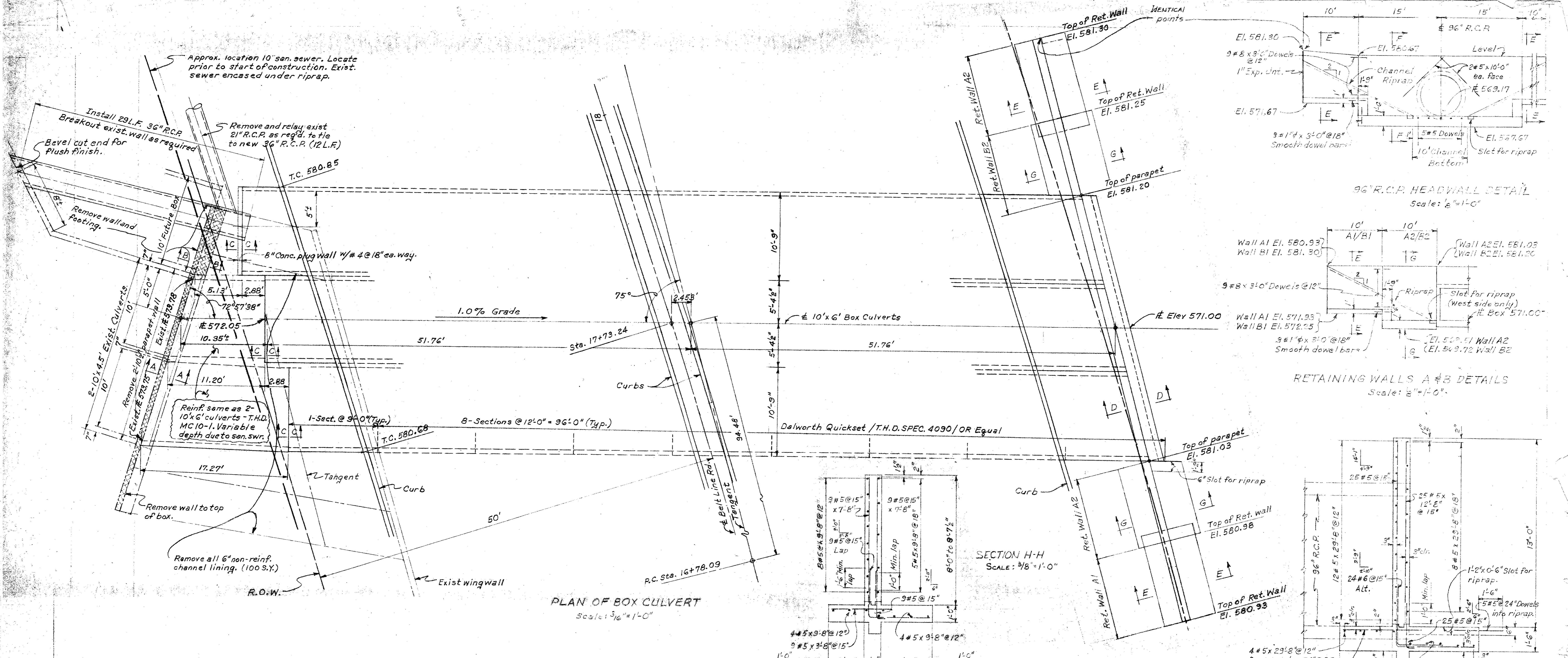
Q₂₅ = 866.6 C.F.S.
S_f = 0.0093
n = 0.013
C = 866.6 C.F.S.

Approximate Location Of 20" Water Main
Contractor To Verify Loc. And Adjust As
Required To Clear Box Culvert.

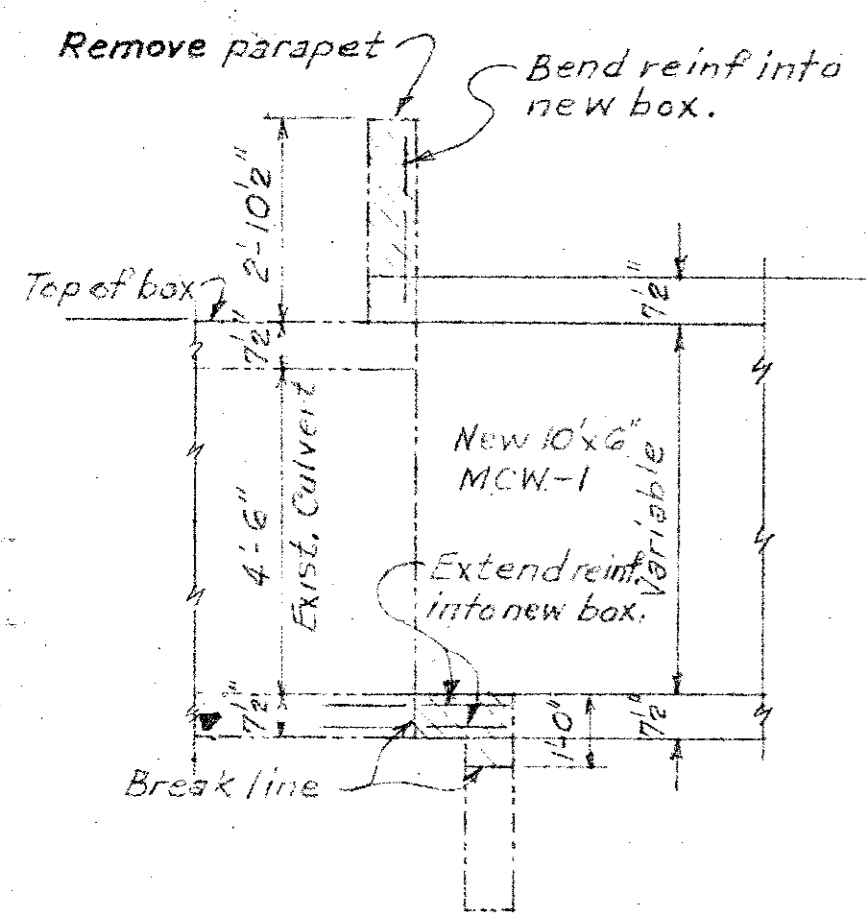
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
DEPARTMENT OF PUBLIC WORKS

DRAINAGE STA. 15+00 - 20+00
BELT LINE ROAD
MARSH LN. TO NOTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

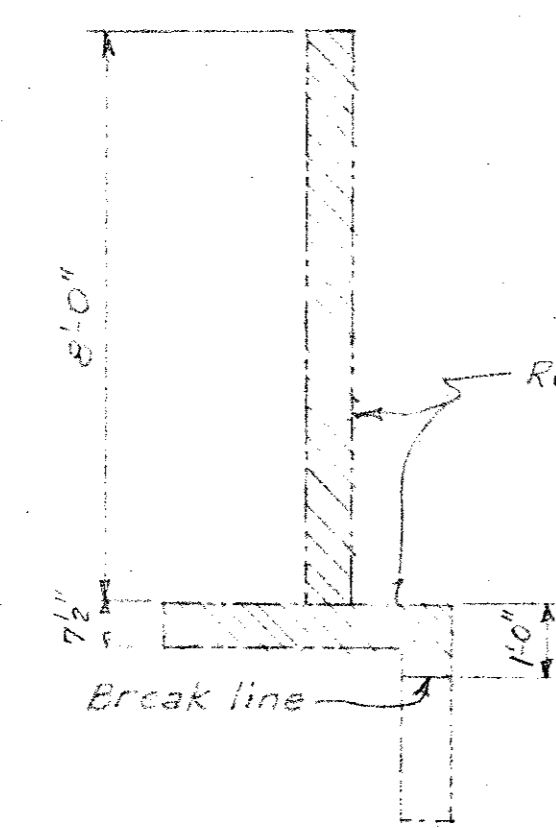
DESIGNED - J.C.H.	DRAWN - S.M.	DATE - MAY 1980	FILE
APPROVED - HWG	CHECKED - B.H.	SCALE - H=1"=20' / V=1"=5'	SHEET 33 OF



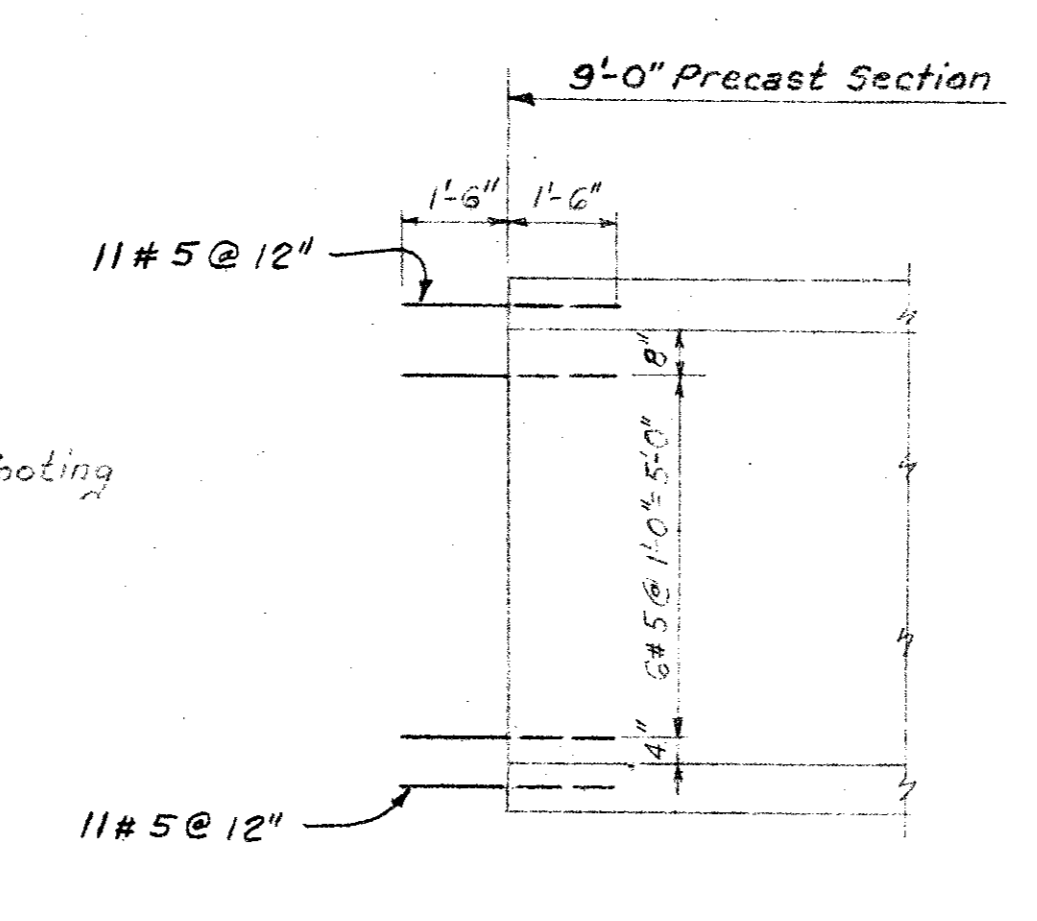
PLAN OF BOX CULVERT
Scale: 3/16" = 1'-0"



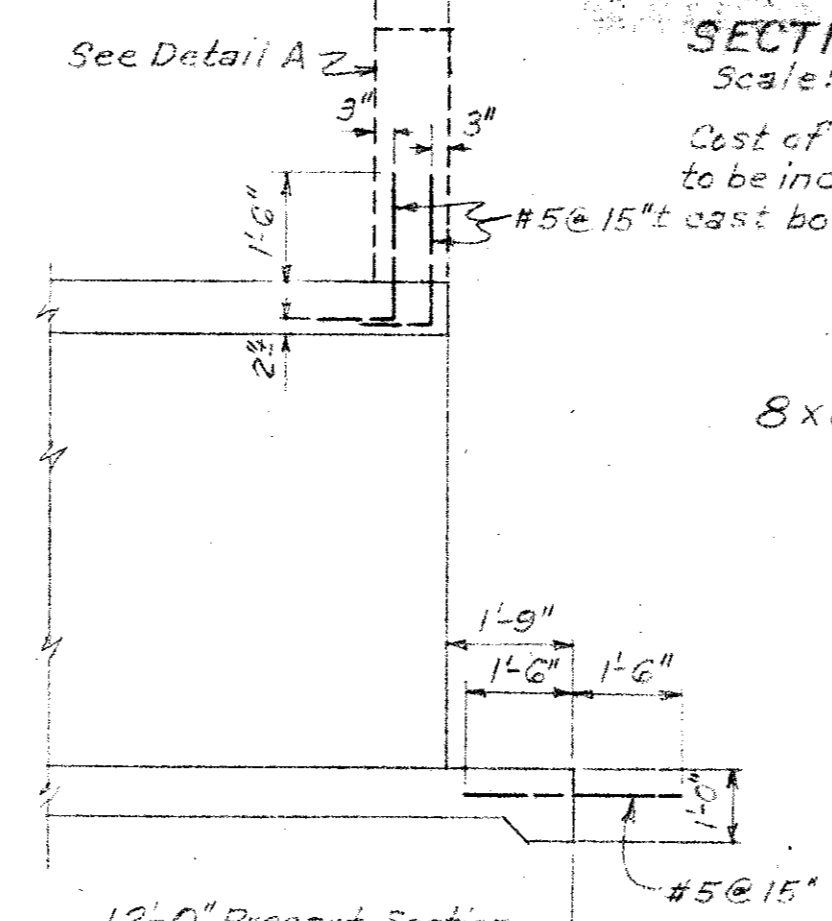
SECTION A-A



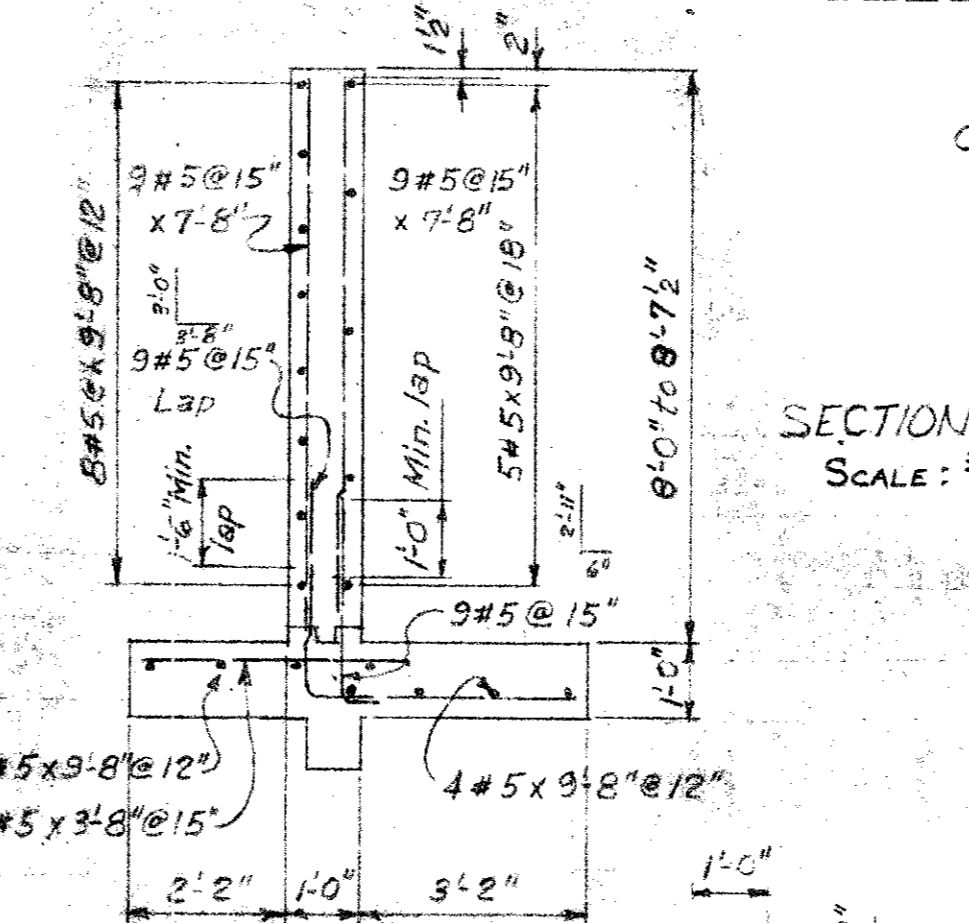
SECTION B-B



SECTION C-C



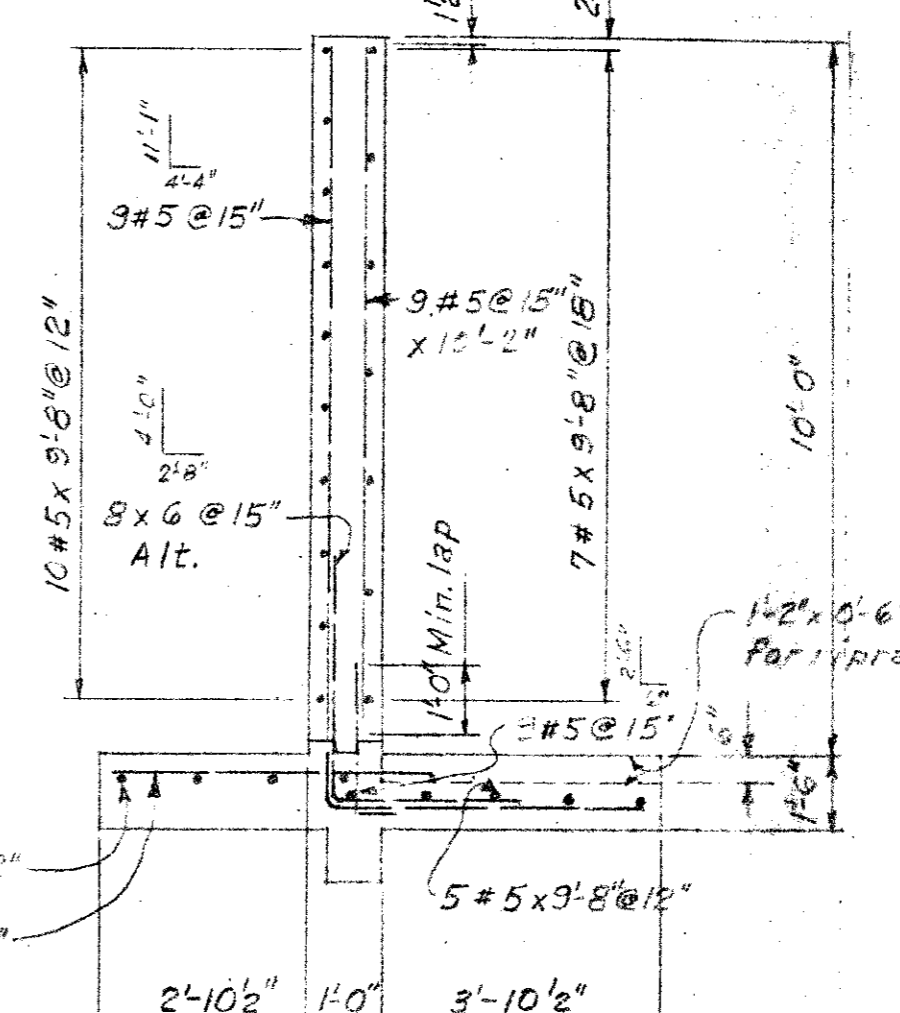
SECTION D-D



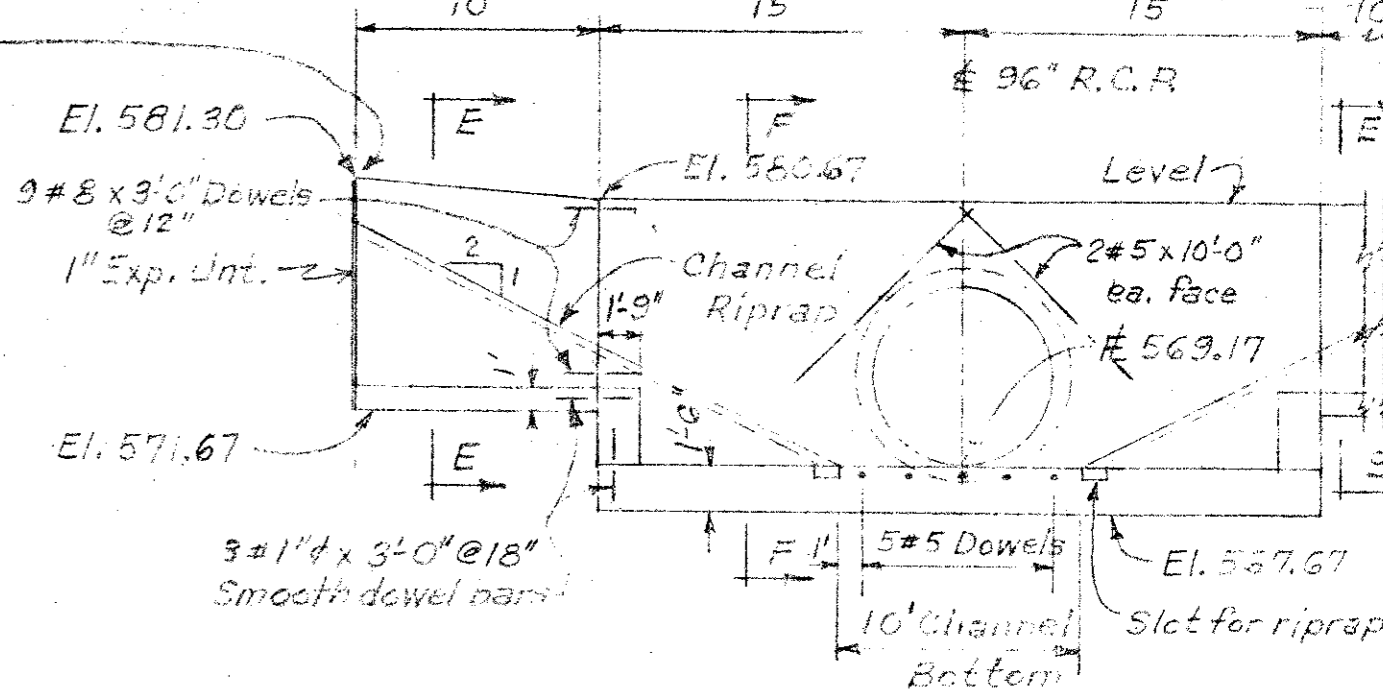
SECTION H-H
Scale: 3/8" = 1'-0"

**8x8 BOX CULVERT PARAPET
DETAIL A**

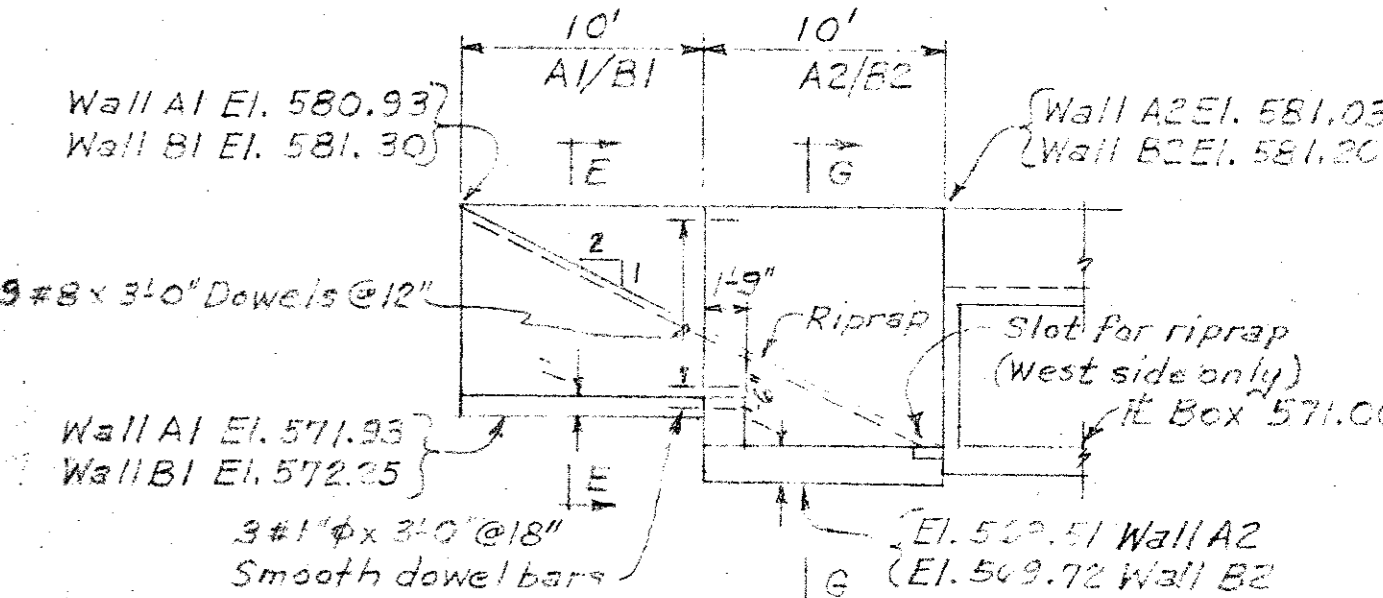
SHEAR KEY DETAIL



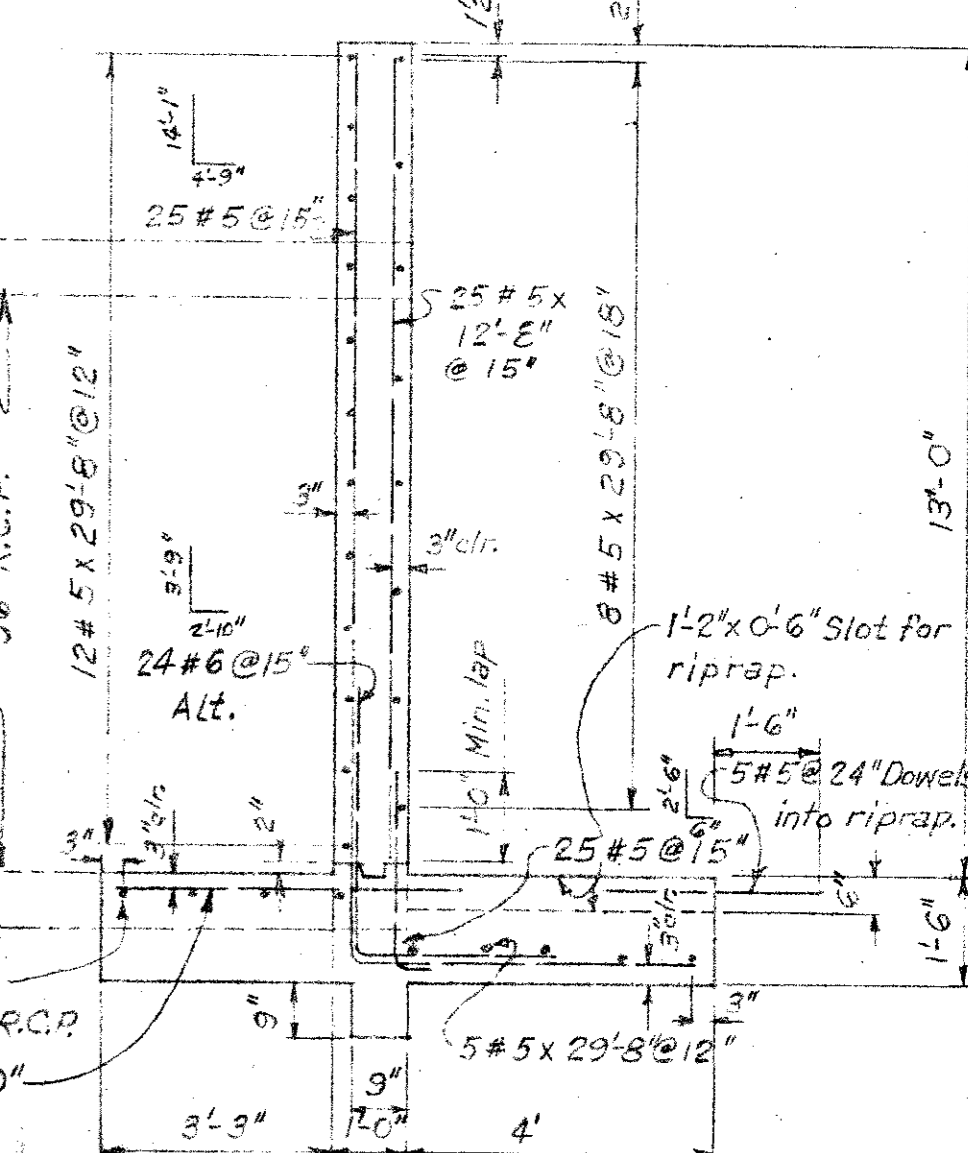
SECTION G-G
Scale: 3/8" = 1'-0"



96\"/>



RETAINING WALLS A & B DETAILS
Scale: 3/8" = 1'-0"



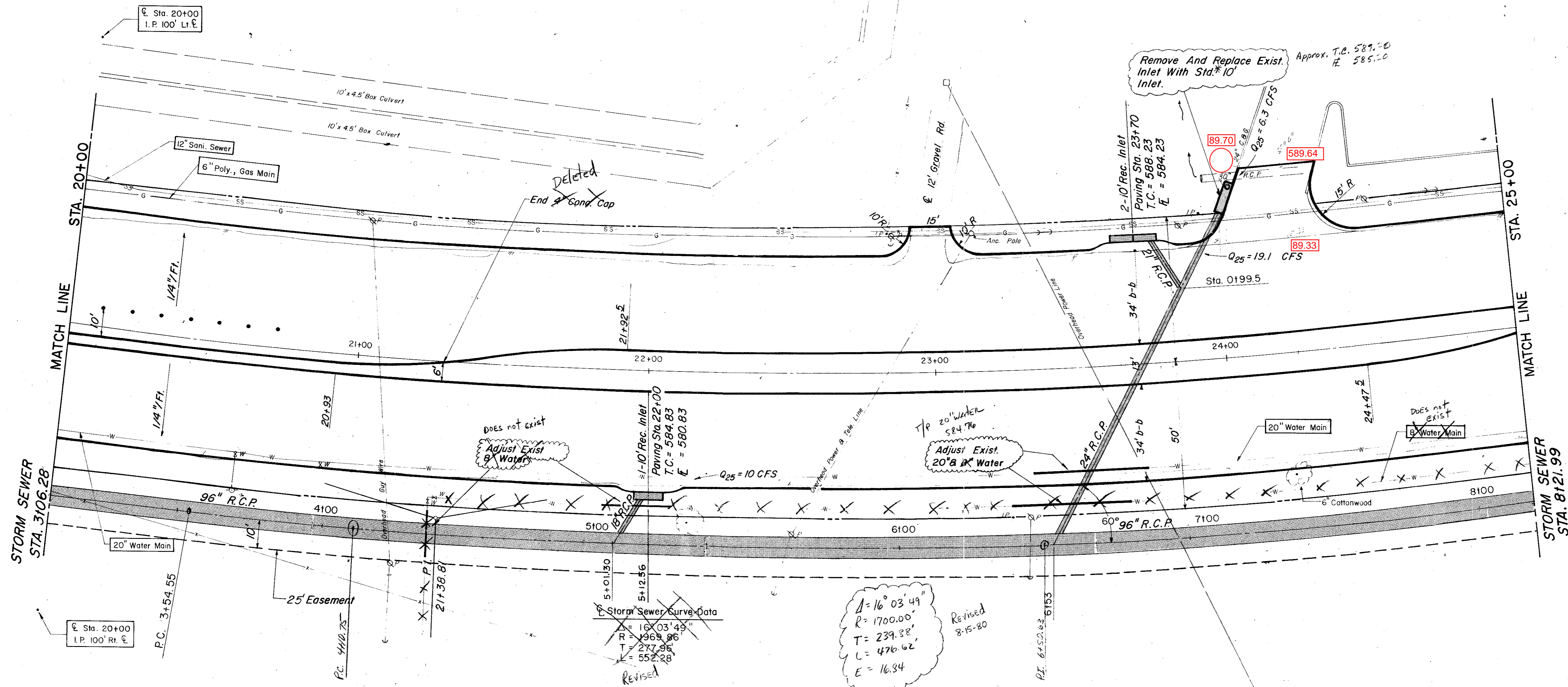
SECTION F-F
Scale: 3/8" = 1'-0"

RETAINING WALL CLASS
All concrete to be Class C, f_c = 3600 psi in 28 days.
All reinf. steel to be A.S.T.M. Grade 60.
Concrete 64.4 C.Y.
Reinf. Steel 6061 Lbs.

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

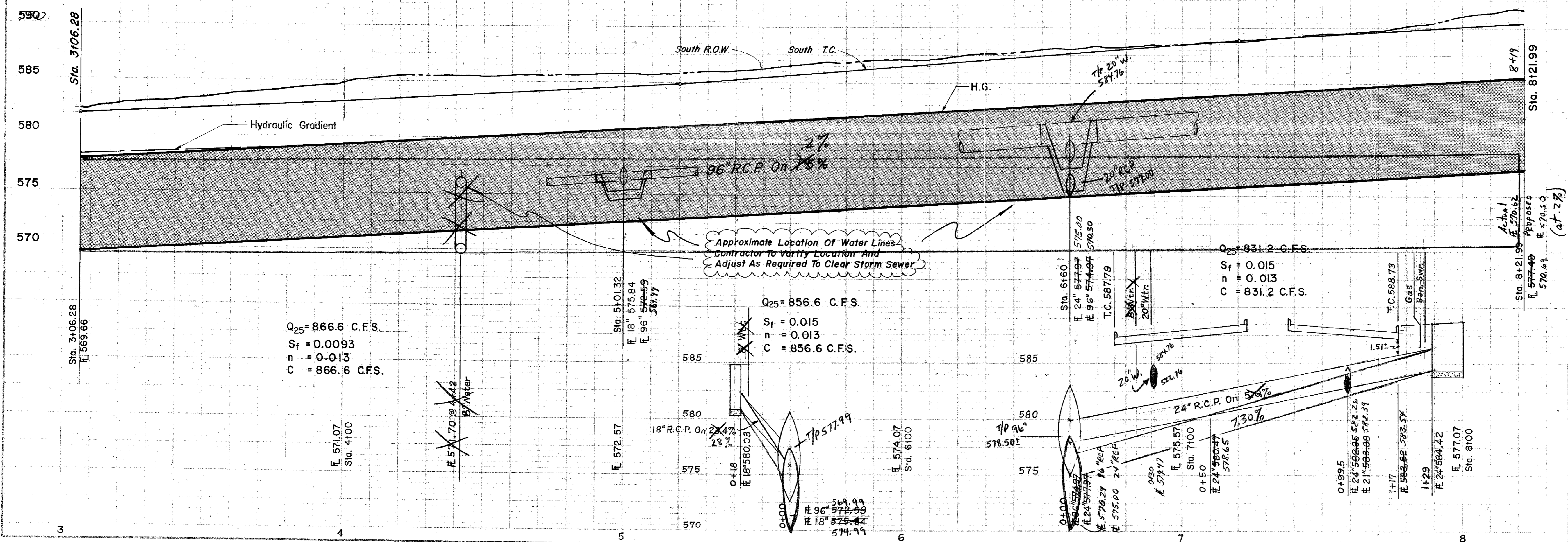
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
DEPARTMENT OF PUBLIC WORKS
BOX CULVERT & RETAINING WALL DETAILS
BELT LINE ROAD
MARSH LN. TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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



ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
465.1	18\"/>		

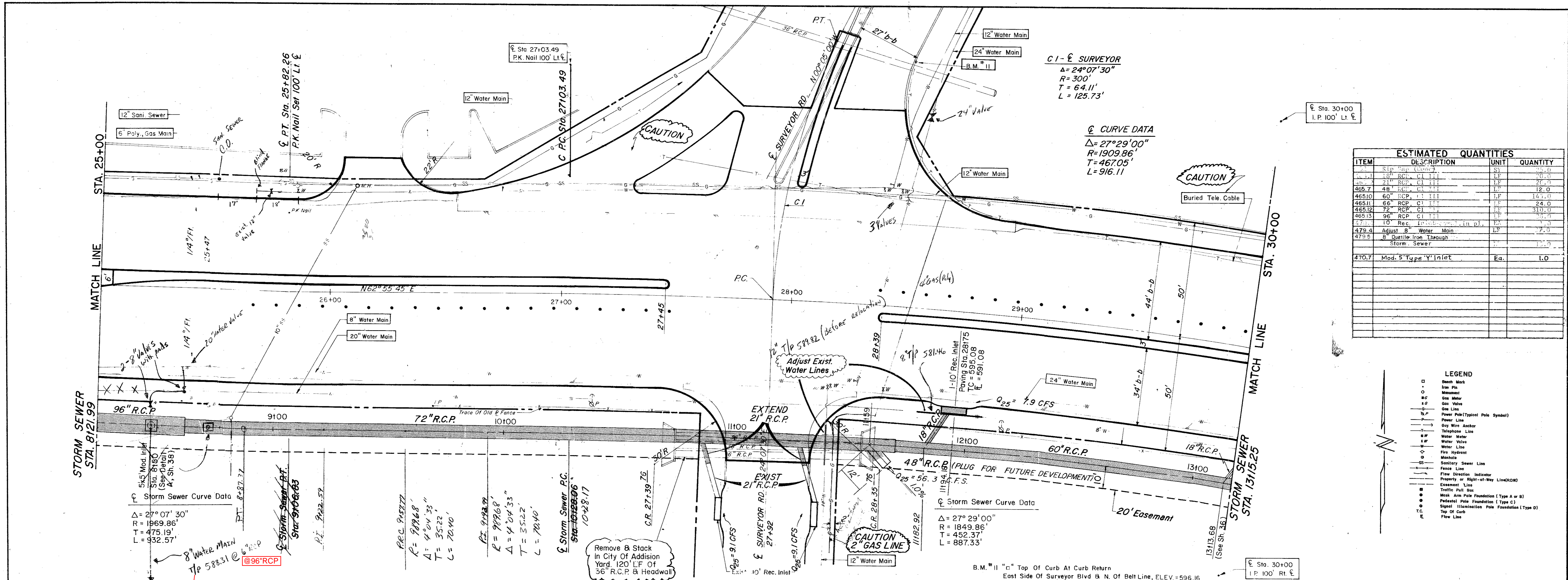
- LEGEND**
- Bench Mark
 - Iron Pin
 - Monument
 - Gas Meter
 - Gas Valve
 - Gas Line
 - Power Pole (Typical Pole Symbol)
 - Telephone Line
 - Power Line
 - Eye Wire Anchor
 - Water Meter
 - Water Valve
 - Water Line
 - Fire Hydrant
 - Manhole
 - Sanitary Sewer Line
 - Fence Line
 - Flow Direction Indicator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



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

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

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

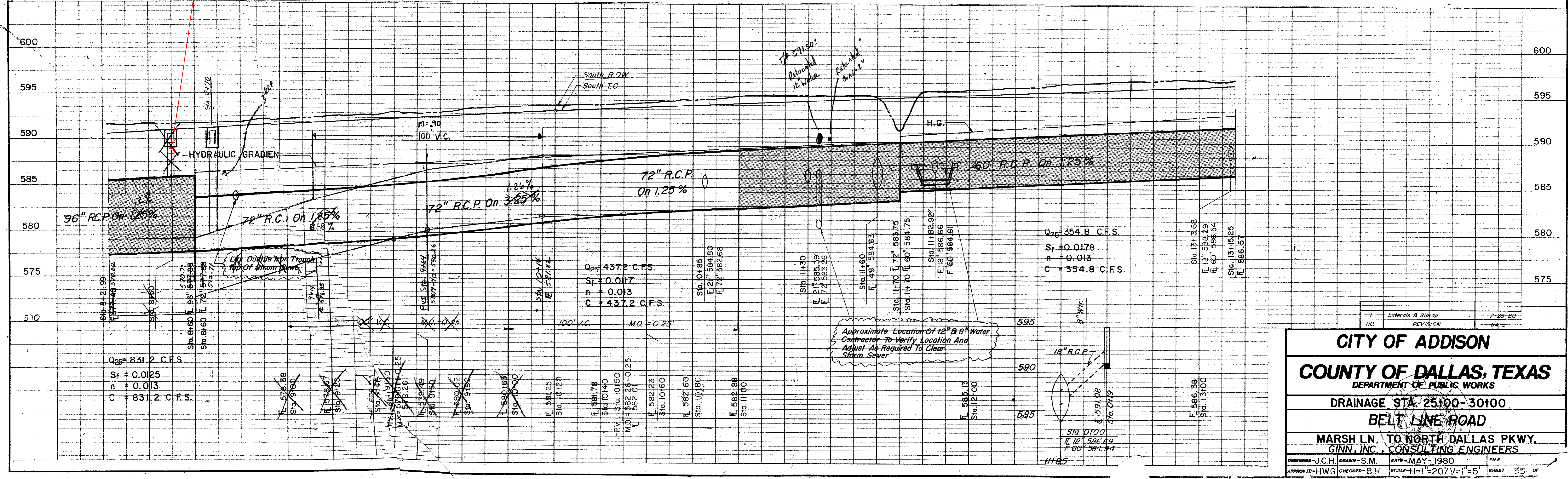


C.I. - SURVEYOR
 $\Delta = 24^{\circ}07'30''$
 $R = 300'$
 $T = 64.11'$
 $L = 125.73'$

Q CURVE DATA
 $\Delta = 27^{\circ}29'00''$
 $R = 1909.86'$
 $T = 467.05'$
 $L = 916.11'$

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
447.1	18" R.C.P. CI III	LF	30.0
447.2	21" R.C.P. CI III	LF	21.0
465.7	48" R.C.P. CI III	LF	12.0
465.10	60" R.C.P. CI III	LF	143.0
465.11	60" R.C.P. CI III	LF	24.0
465.12	72" R.C.P. CI III	LF	310.0
465.13	96" R.C.P. CI III	LF	53.4
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	15.0
470.7	Mod. 5 Type 'Y' Inlet	Ea.	1.0

- LEGEND
- Bench Mark
 - Iron Pin
 - Monument
 - RC 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
 $\Delta = 27^\circ 29' 00''$
 $R = 1909.86'$
 $T = 467.05'$
 $L = 916.11'$

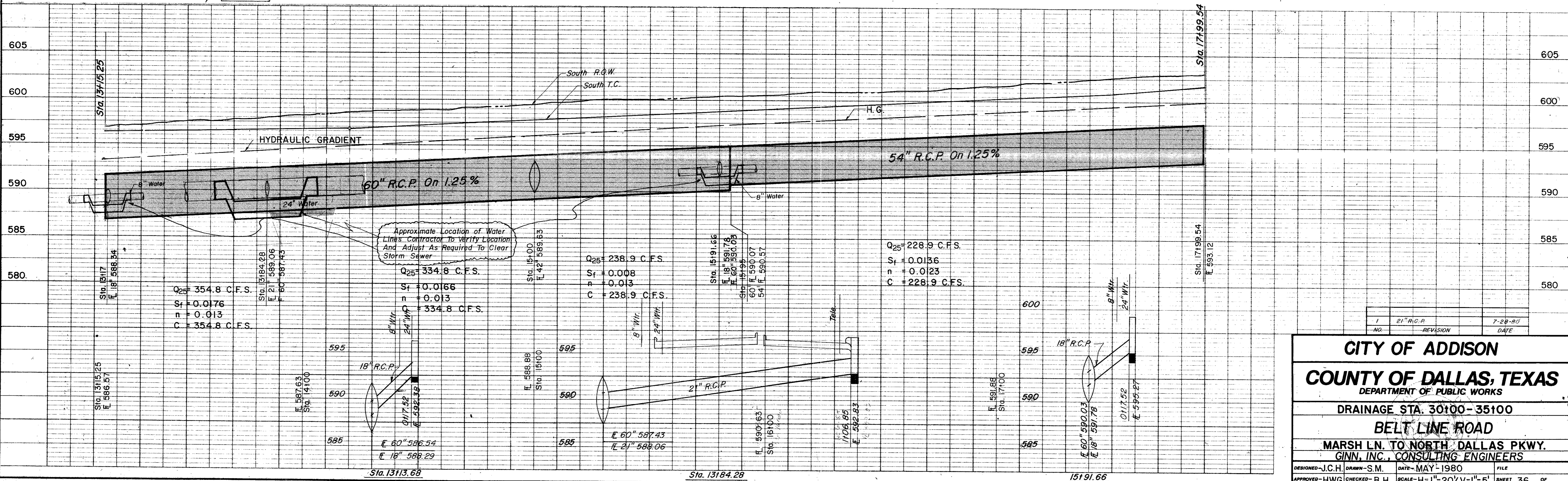
Sta 35+00
 I.P. 100' Lt. E

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. Tr. Pl.	EA	2
479.3	Adjust 24" Water Main	LF	40.0
479.4	Adjust 8" Water Main	LF	60.0

LEGEND

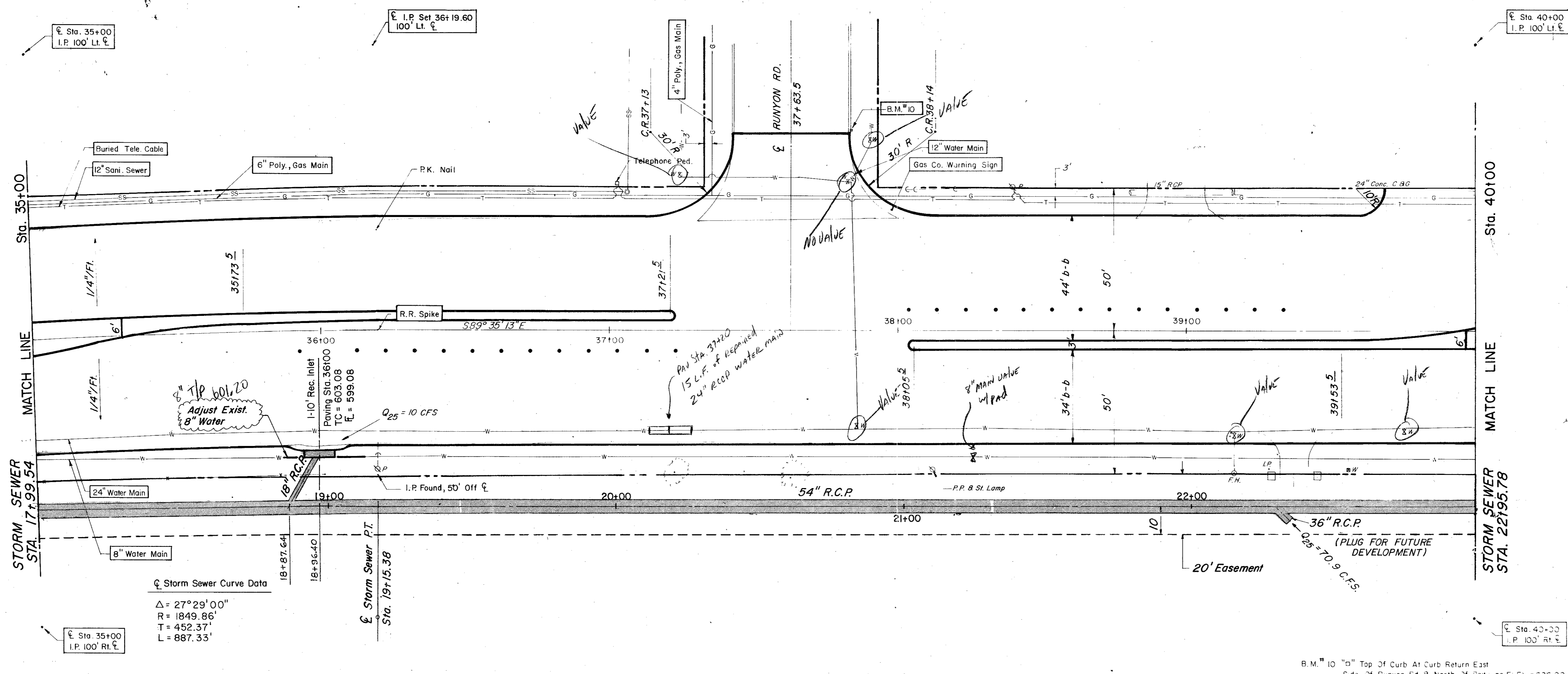
- Blank Mark
- Iron Pin
- Monument
- Gas Meter
- Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- Telephone Line
- Guy Wire Anchor
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction
- Property or Right-of-Way Line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

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



CITY OF ADDISON
 COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
 DRAINAGE STA. 30100-35100
 BELT LINE ROAD
 MARSH LN. TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY 1980 FILE
 APPROVED - HWG CHECKED - B.H. SCALE - H=1"=20' V=1"=5' SHEET 36 OF



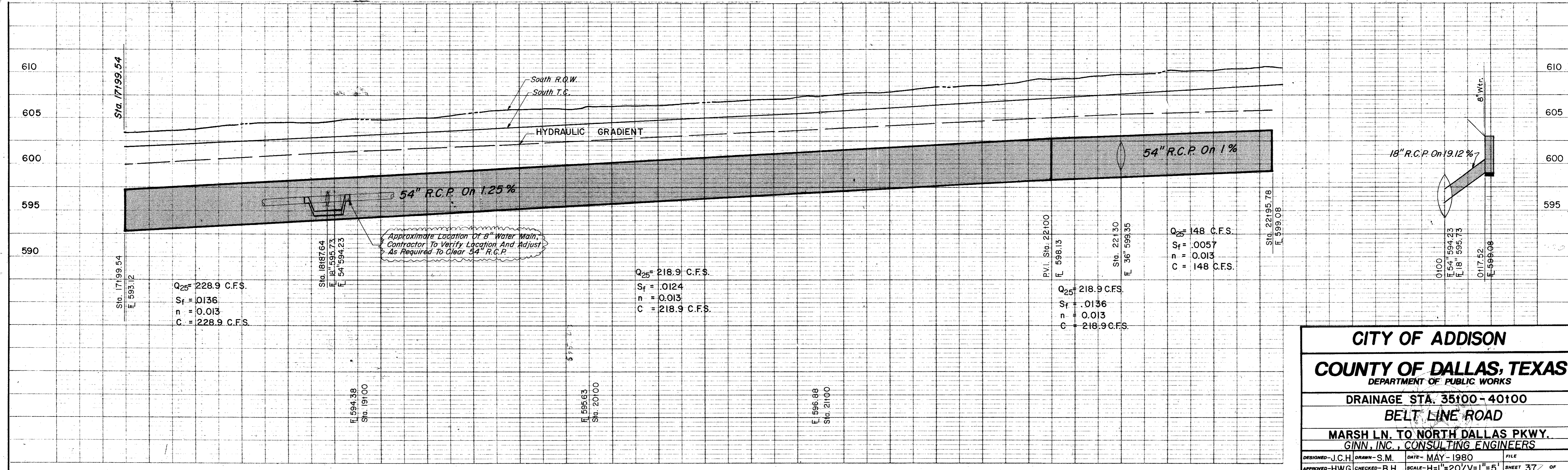
ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
455.1	18" R.C.P. (11)	LF	20.0
465.9	36" R.C.P. (1)	LF	20.0
465.9	54" R.C.P. (1)	LF	20.0
470.2	10" Dia. inlet (1)	EA	1.0
479.4	8" Water Main (1)	EA	20.0

LEGEND	
□	Bench Mark
○	Iron Pin
○	Mound
⊙	Gas Meter
⊙	Gas Valve
⊙	Gas Line
⊙	Power Pole (Typical Pole Symbol)
⊙	Power Line
⊙	Eye 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/W)
⊙	Center Line
⊙	Traffic Post Box
⊙	Mark Arm Pole Foundation (Type A or B)
⊙	Pedestal Pole Foundation (Type C)
⊙	Signal Illumination Pole Foundation (Type D)
⊙	Top of Curb
⊙	Flow Line

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

See Carl

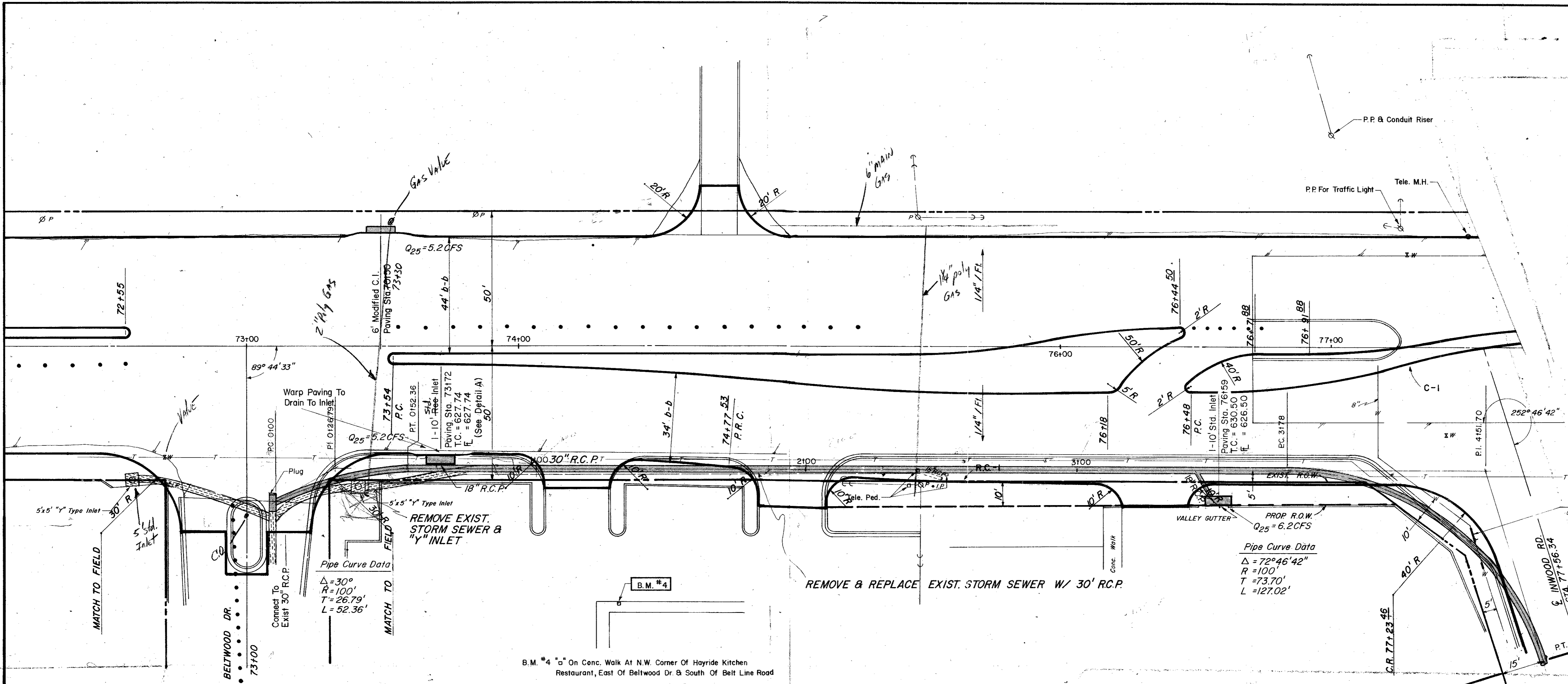
B.M. 10 "a" Top of Curb At Curb Return East
 Side Of Runyon Rd. & North Of Belt Line, ELEV. = 626.00



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

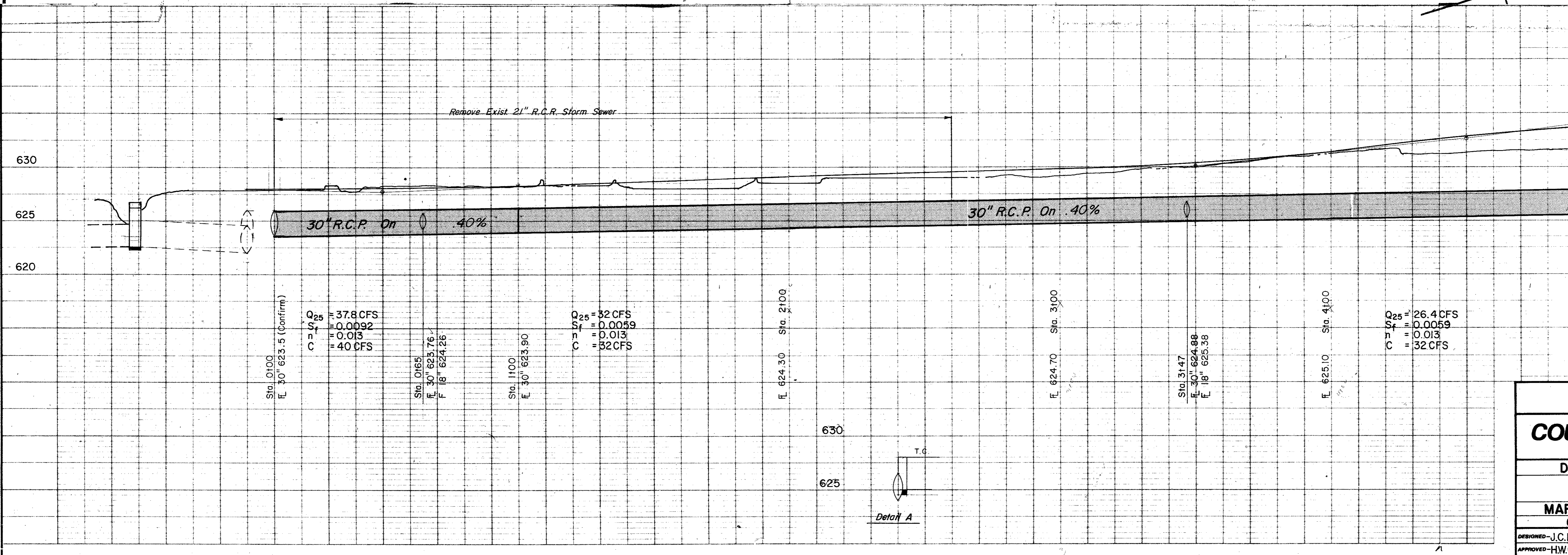
DESIGNED - J.C.H. DRAWN - S.M. DATE - MAY - 1980 FILE
 APPROVED - H.W.G. CHECKED - B.H. SCALE - H=1"=20'/V=1"=5' SHEET 37 OF

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

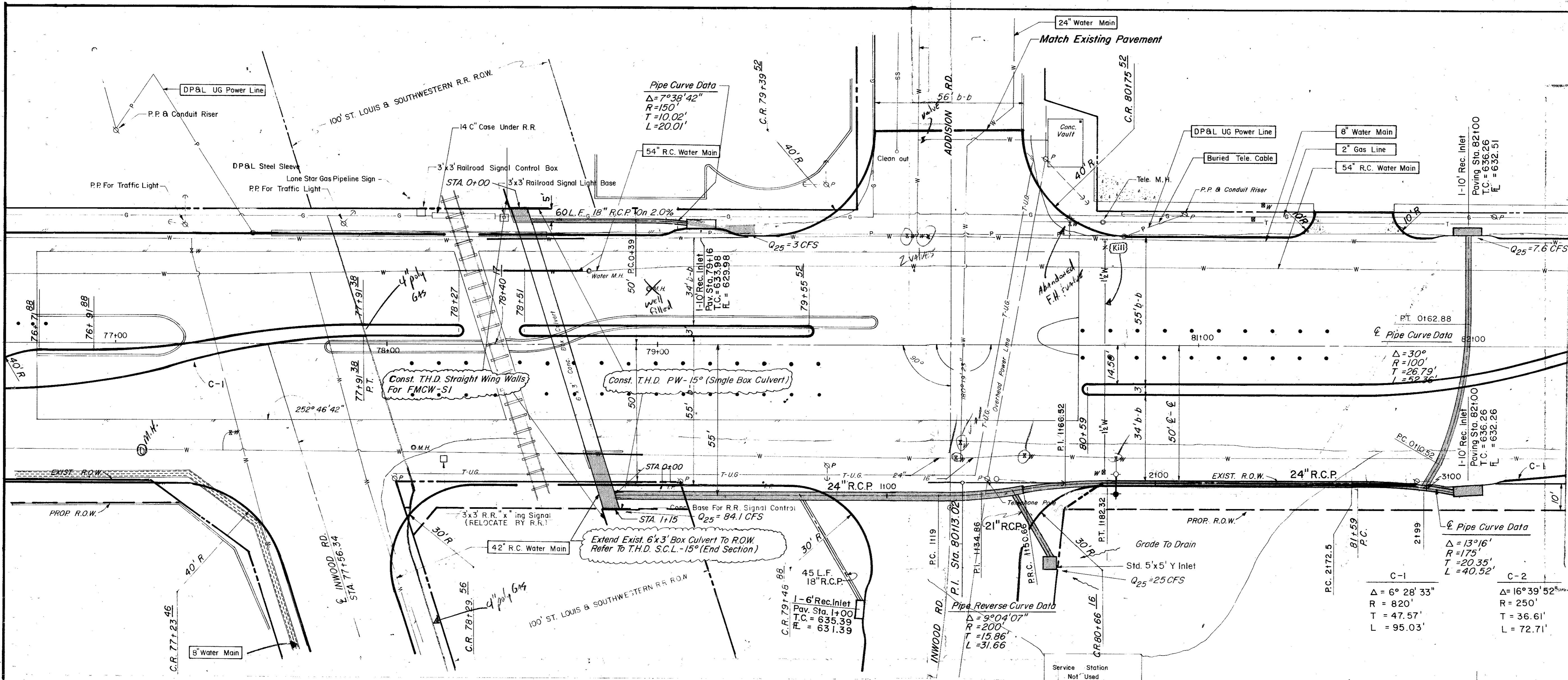
- Blank Mark
- Iron Pin
- Monument
- ⊙ Gas Meter
- ⊙ Gas Valve
- Gas Line
- Power Pole (Typical Pole Symbol)
- Power Line
- Guy Wire Anchor
- Telephone Line
- Water Meter
- Water Valve
- Water Line
- Fire Hydrant
- Manhole
- Sanitary Sewer Line
- Fence Line
- Flow Direction Indicator
- Property or Right-of-Way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



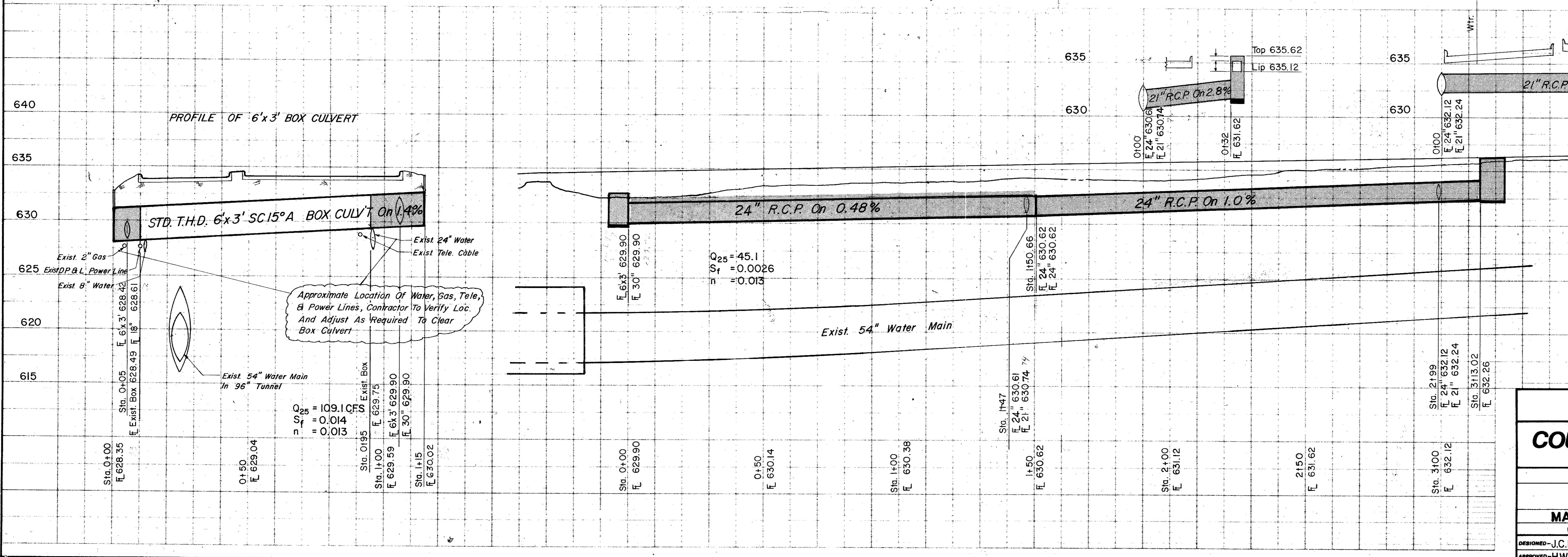
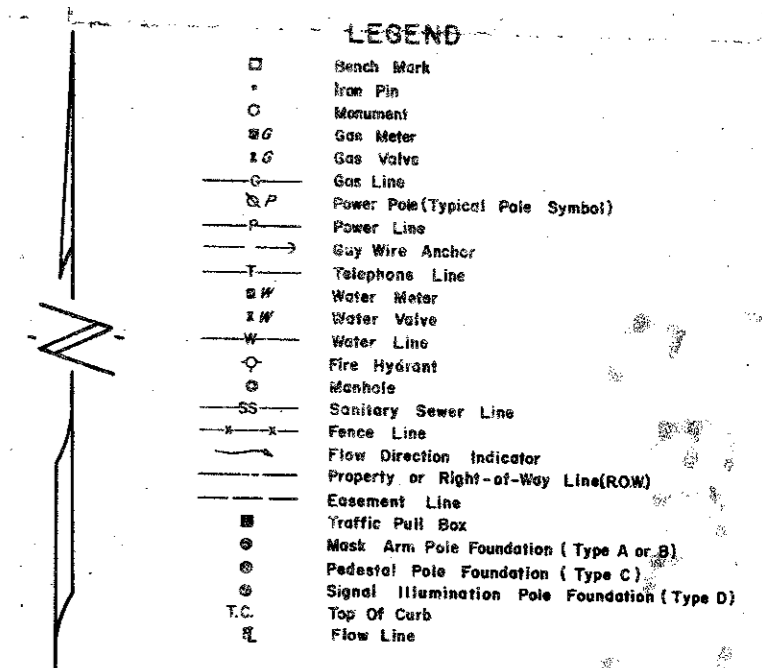
CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

DRAINAGE STA. 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. - 18" 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

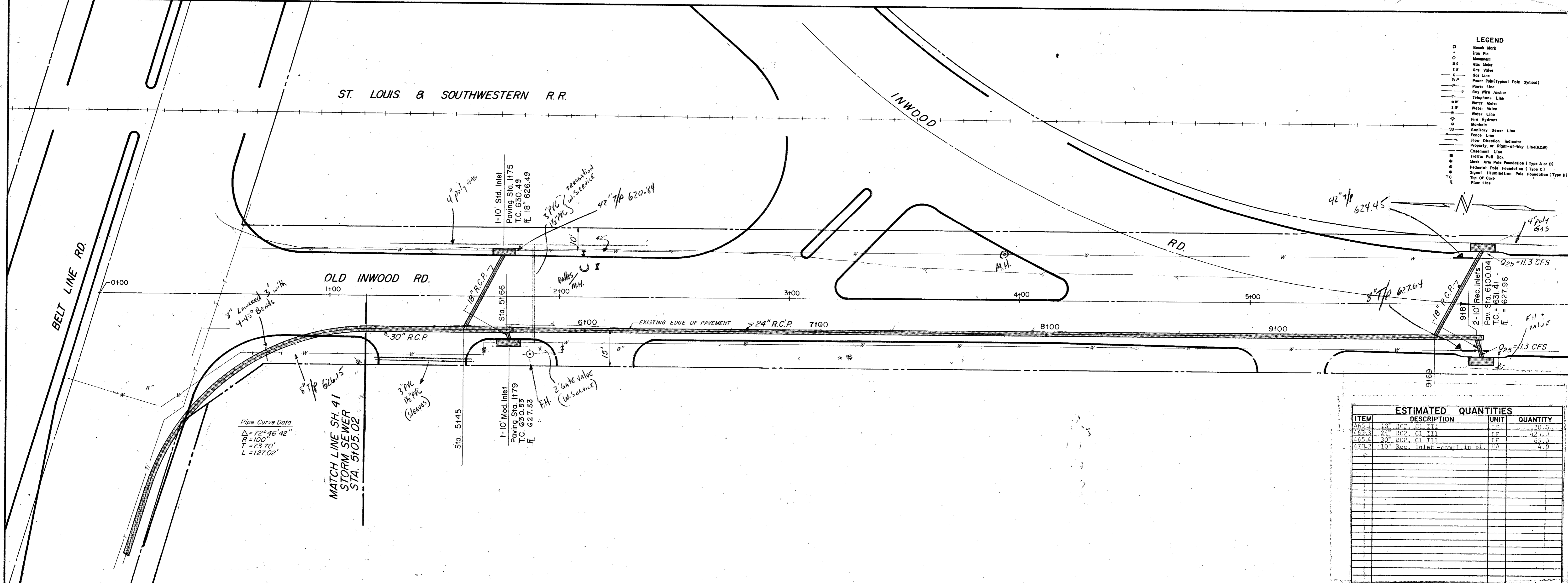


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS
DRAINAGE STA. 78100 - 82100
BELT LINE ROAD
 MARSH LN. TO NORTH DALLAS PKWY.
 GINN, INC., CONSULTING ENGINEERS

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

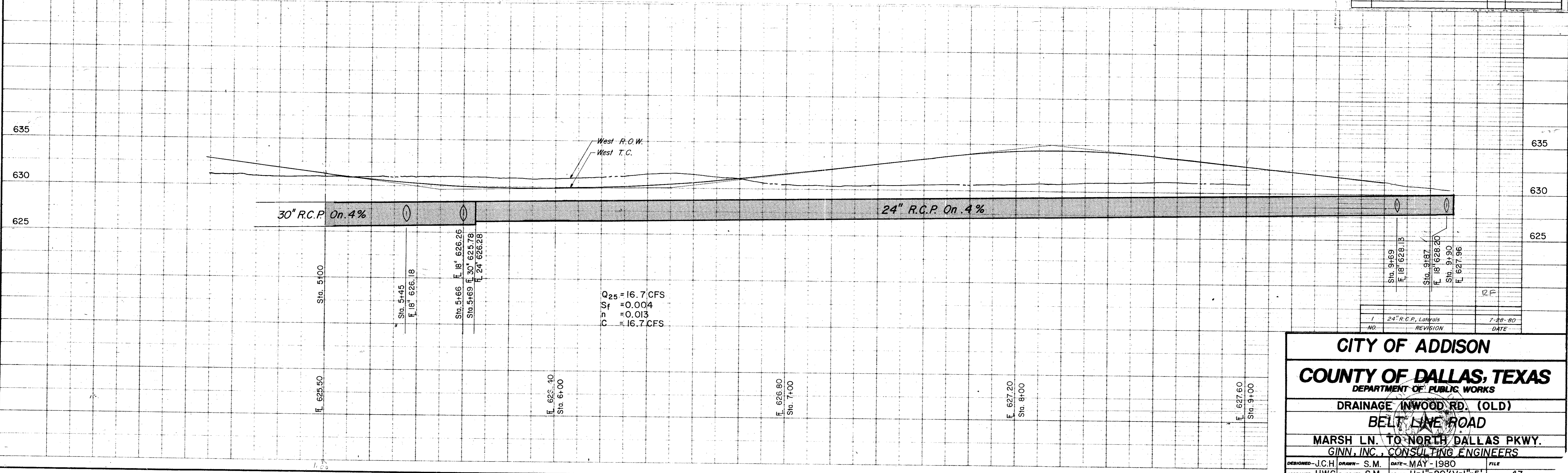
LEGEND

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



ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
465.1	18" R.C.P. CI III	L.F.	20.0
465.3	24" R.C.P. CI III	L.F.	425.0
465.4	30" R.C.P. CI III	L.F.	65.0
470.2	10" Rec. Inlet - compl. in pl.	EA	4.0



CITY OF ADDISON

COUNTY OF DALLAS, TEXAS

DEPARTMENT OF PUBLIC WORKS

DRAINAGE INWOOD RD. (OLD)

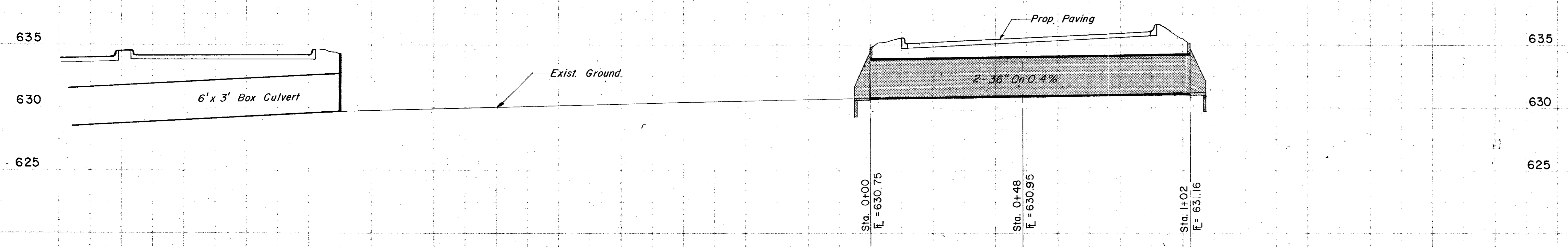
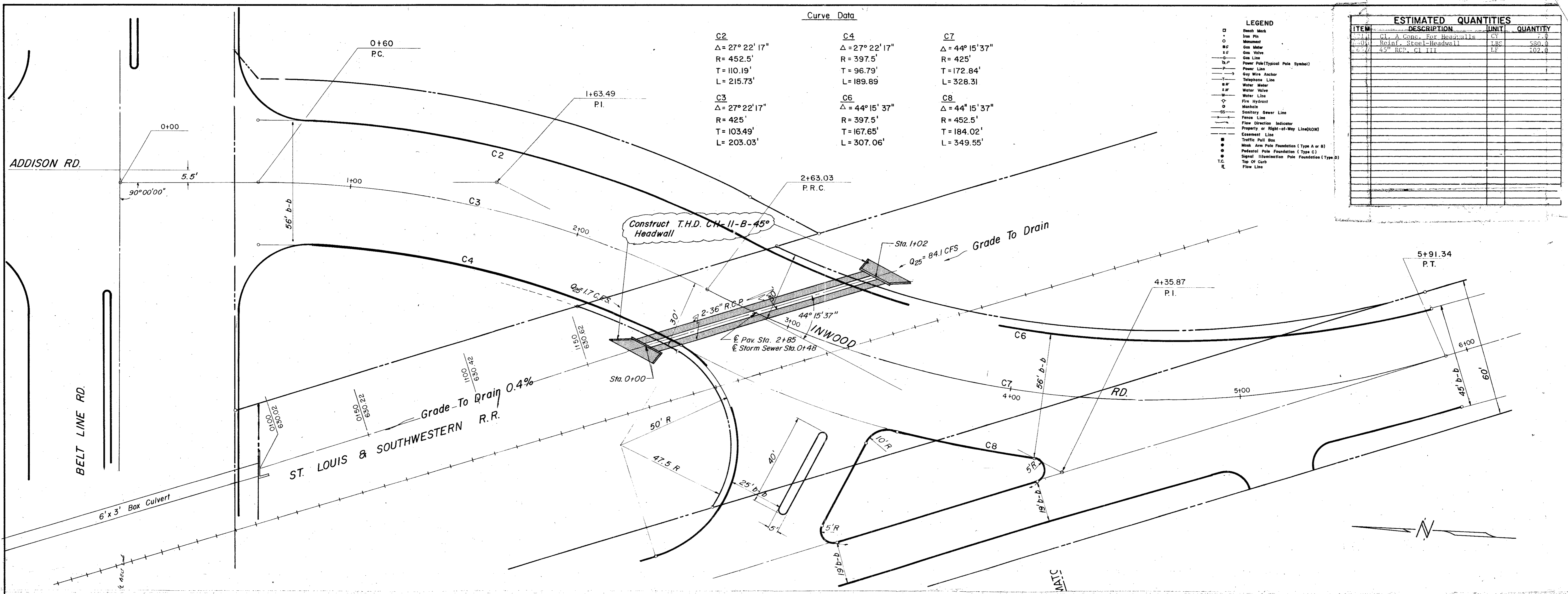
BELT LINE ROAD

MARSH LN. TO NORTH DALLAS PKWY.

GINN, INC., CONSULTING ENGINEERS

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

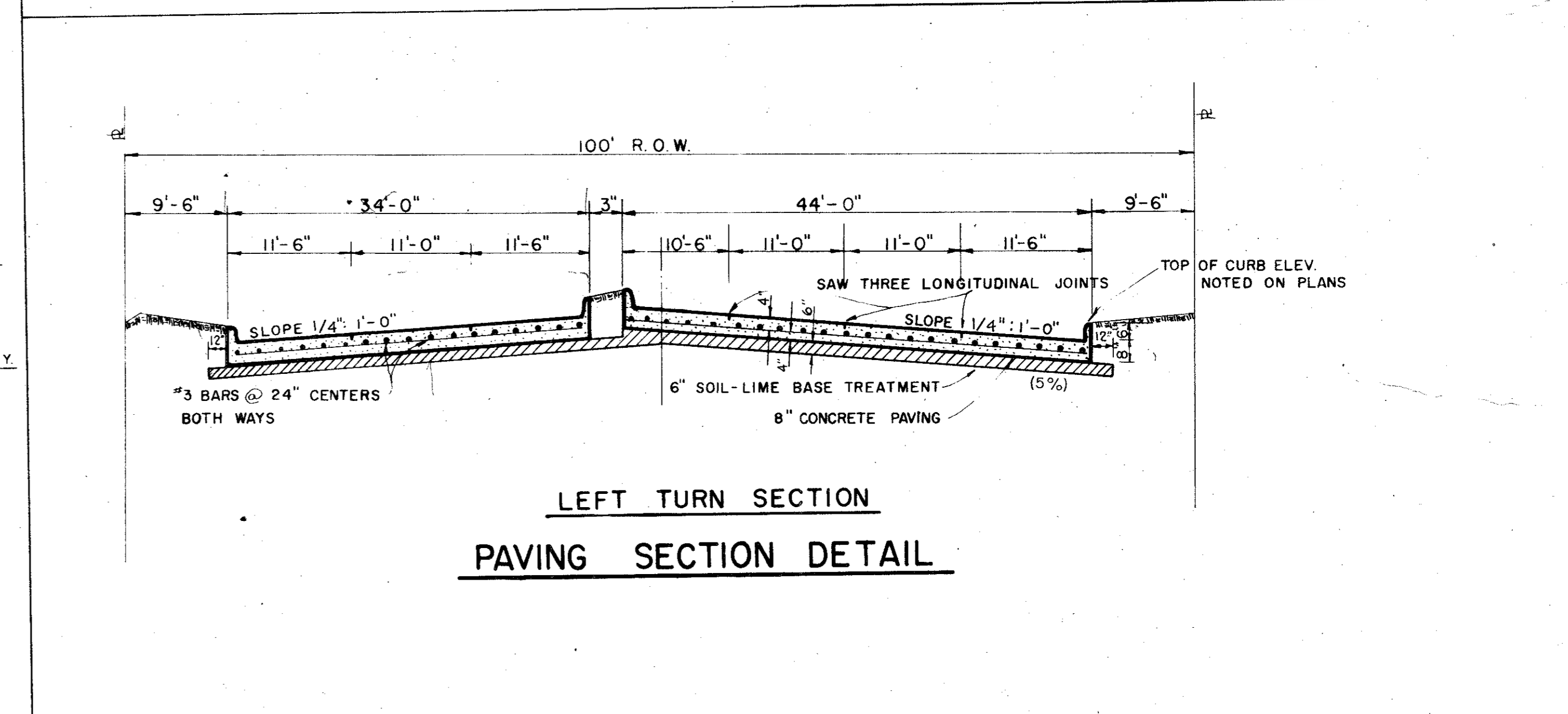
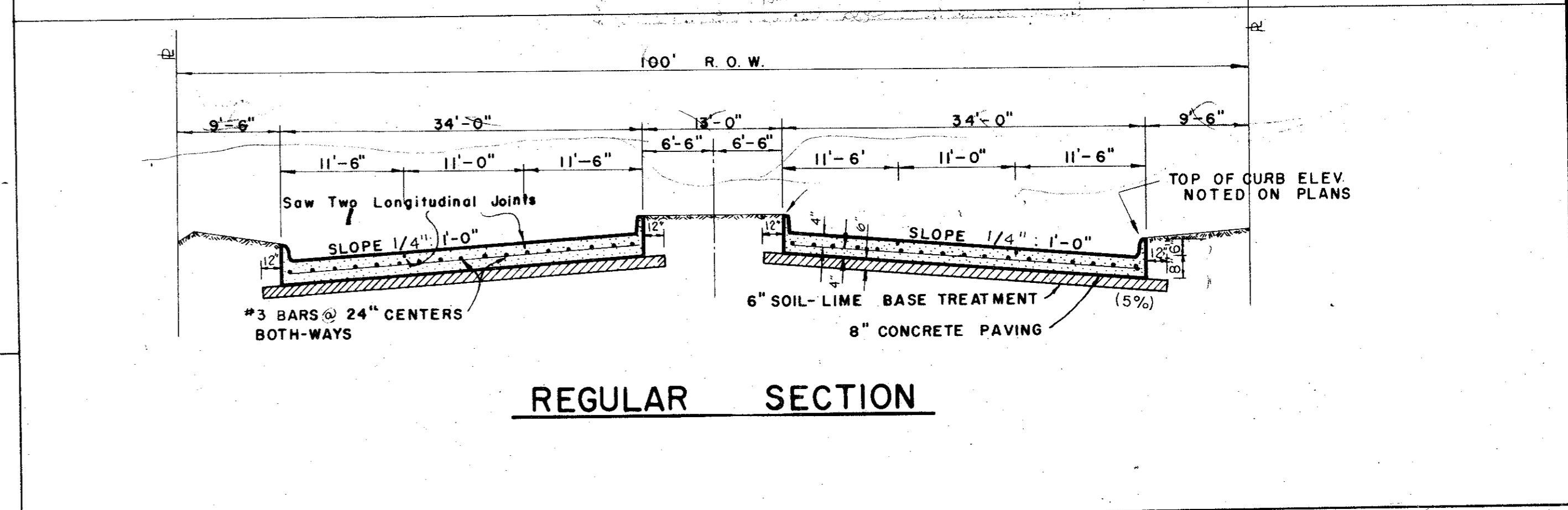
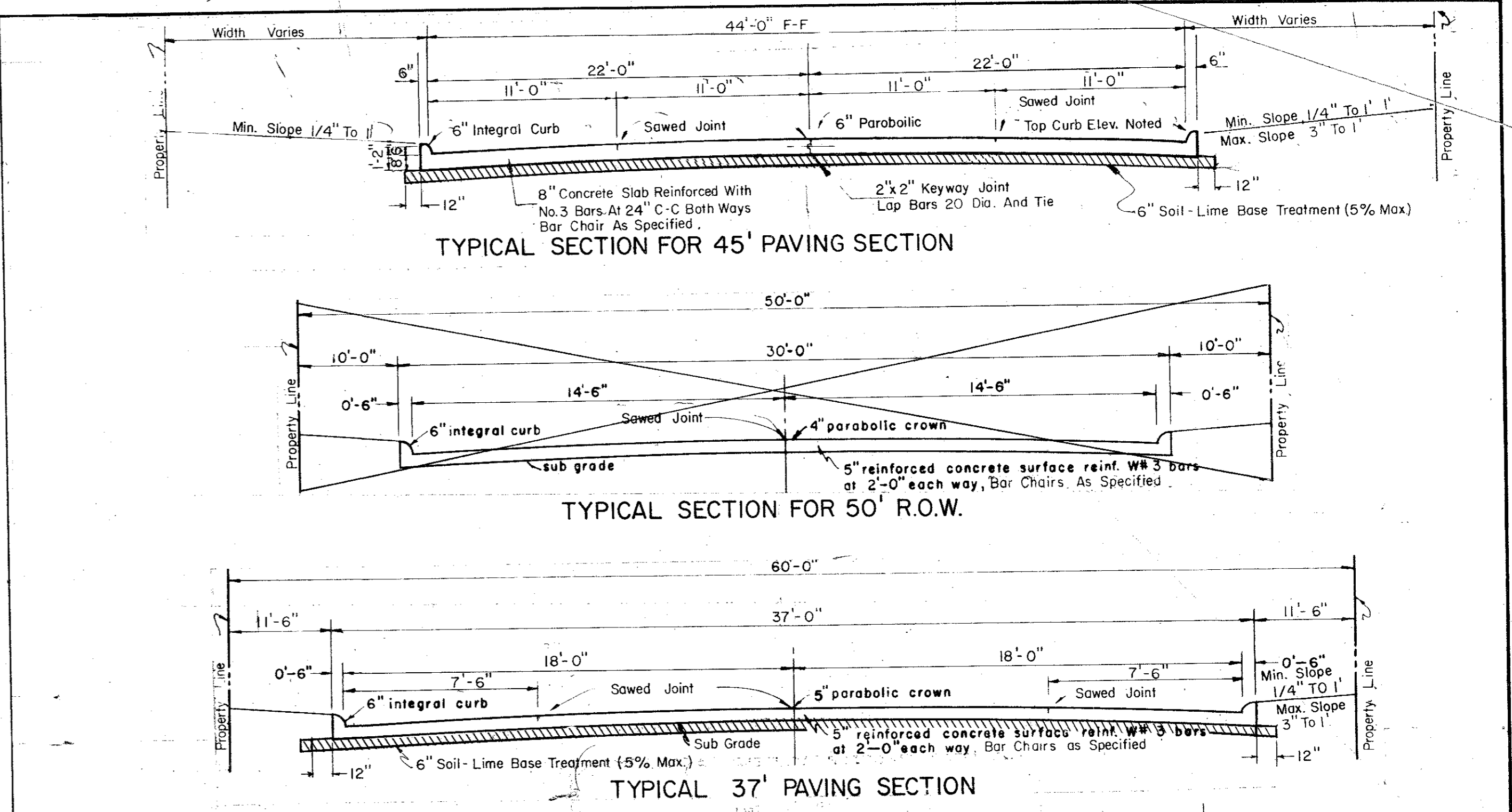
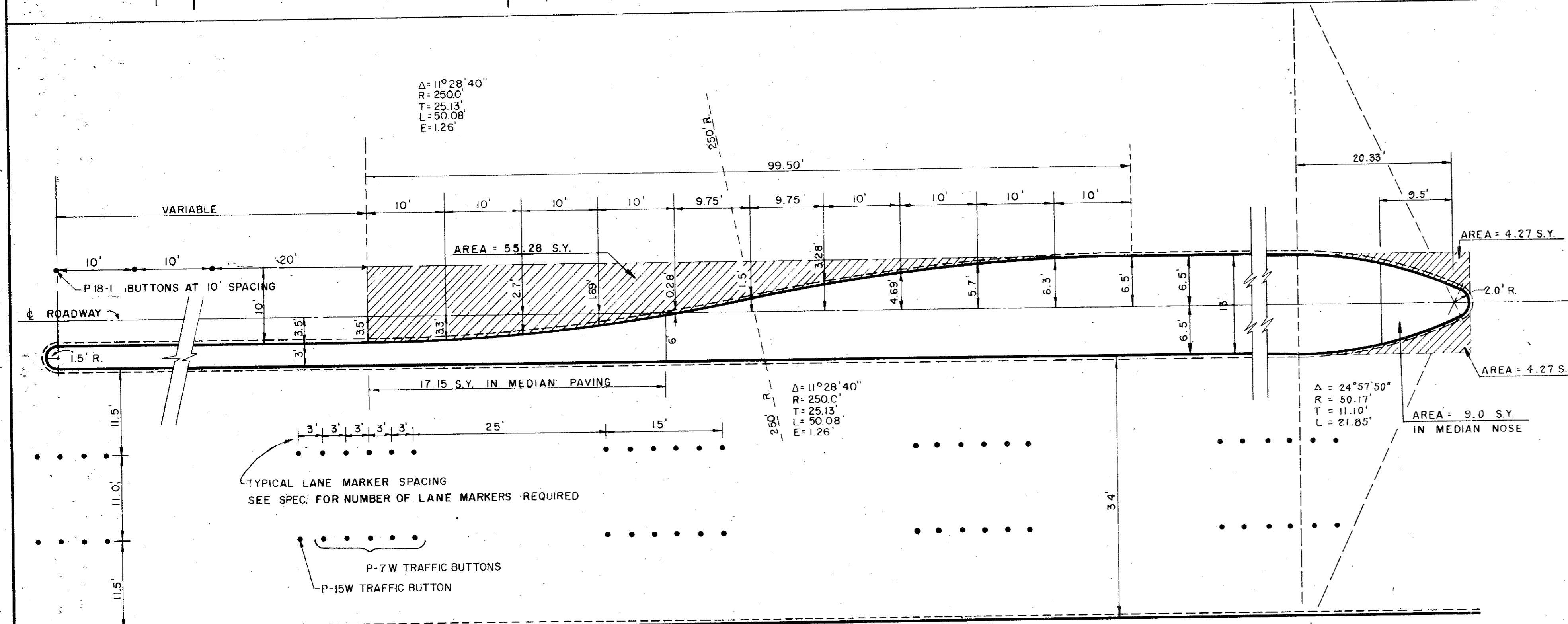
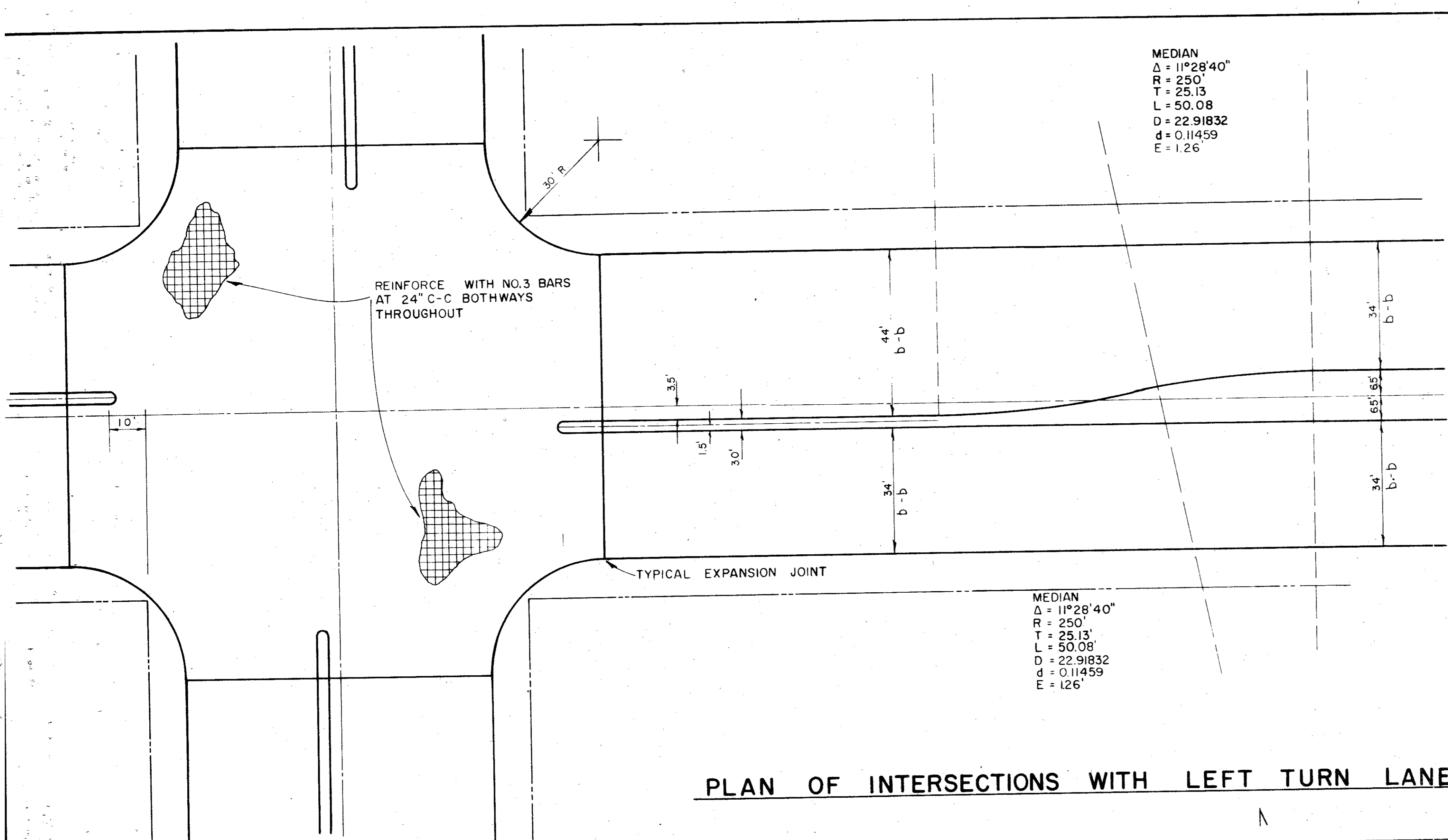
APPROVED - H.W.G. CHECKED - S.M. SCALE - H=1"=20' V=1"=5' SHEET 43 OF



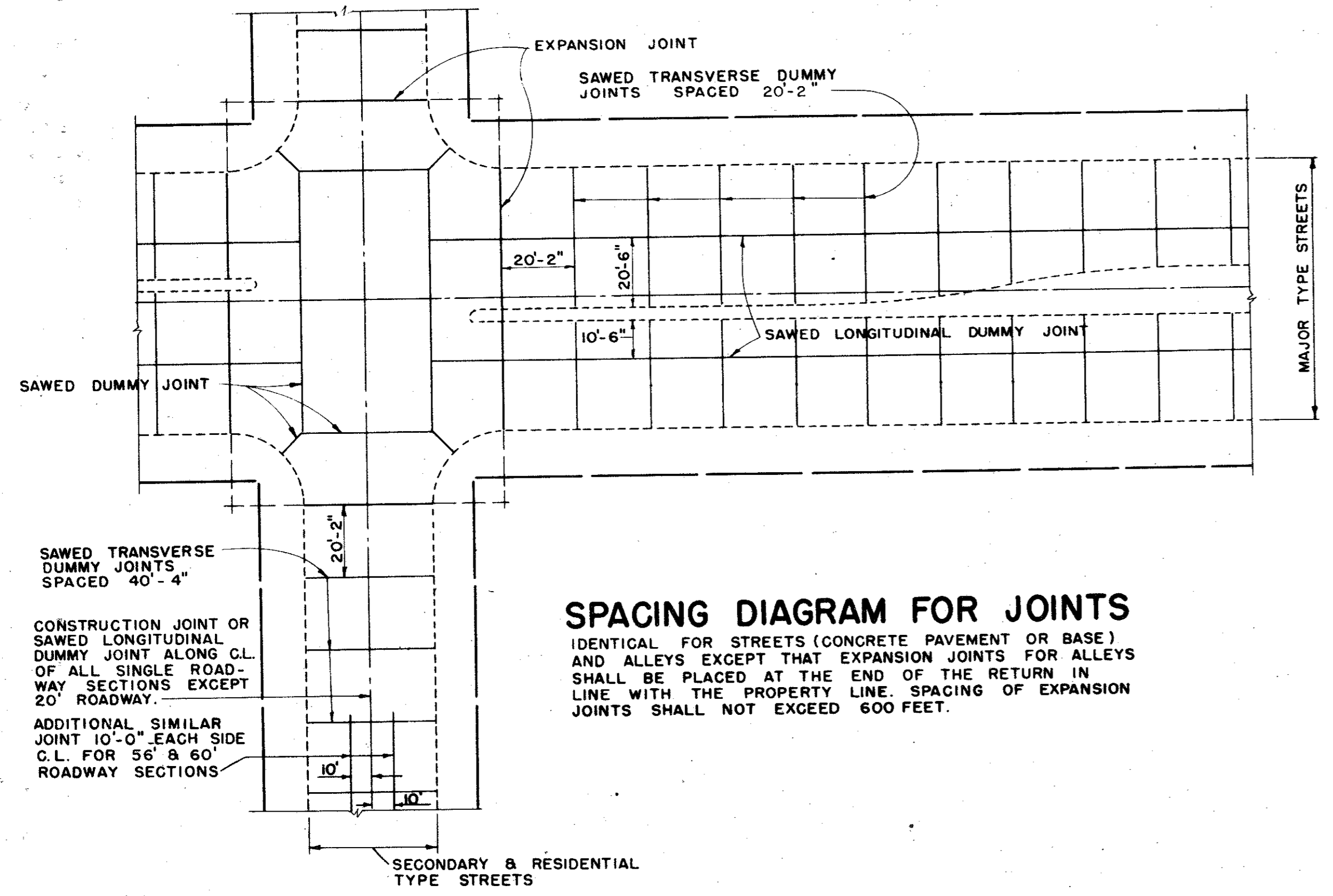
1	Revised Str. Swr.	7-28-80
No.	Revisions	Date

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

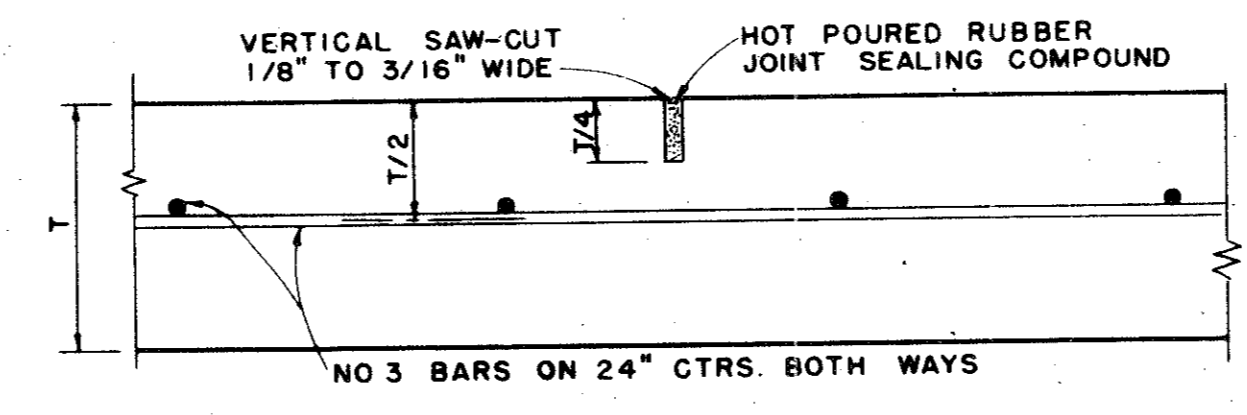
DESIGNED-J.C.H. DRAWN-S.M. DATE-MAY-1980 FILE
 APPROVED-HWG. CHECKED-S.M. SCALE-H=1"=20'/V=1"=5' SHEET 4.4 OF



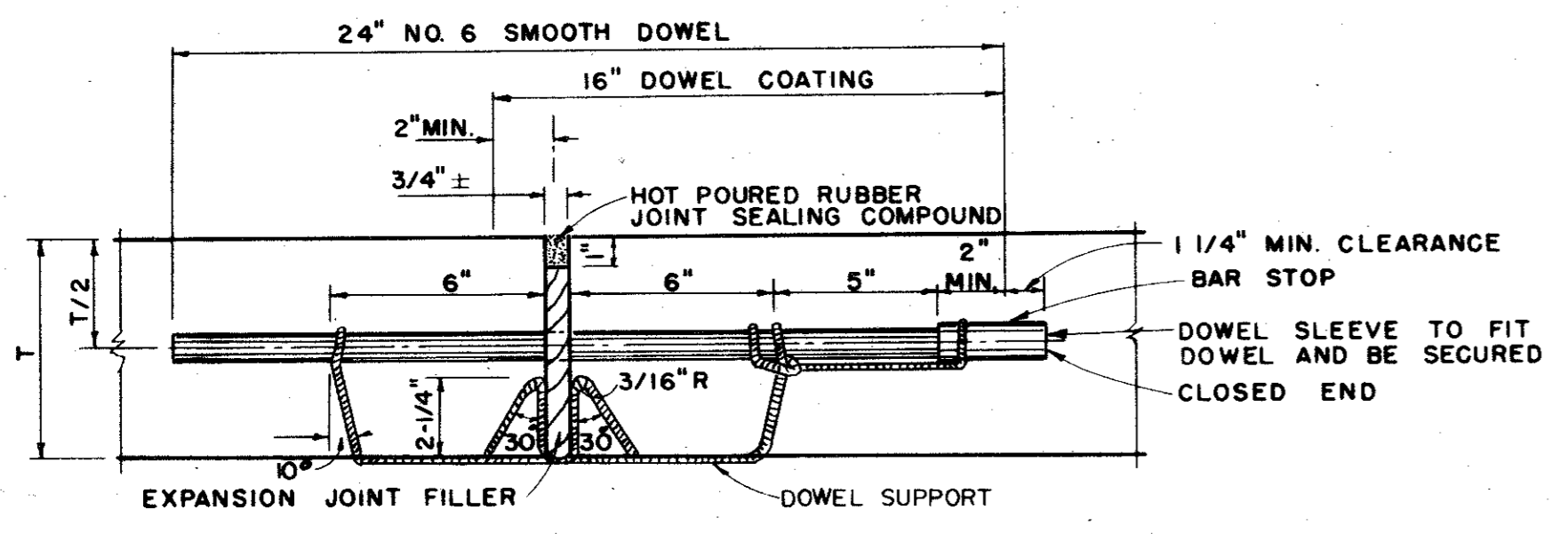
CITY OF ADDISON			
COUNTY OF DALLAS, TEXAS			
DEPARTMENT OF PUBLIC WORKS			
PAVING DETAILS A			
BELT LINE ROAD			
PAVING DETAILS			
GINN, INC., CONSULTING ENGINEERS			
DESIGNED: H.B.J.	DRAWN: S.M.	DATE: MAY - 1980	FILE
APPROVED: H.W.G.	CHECKED: B.H.	SCALE: NONE	SHEET 45



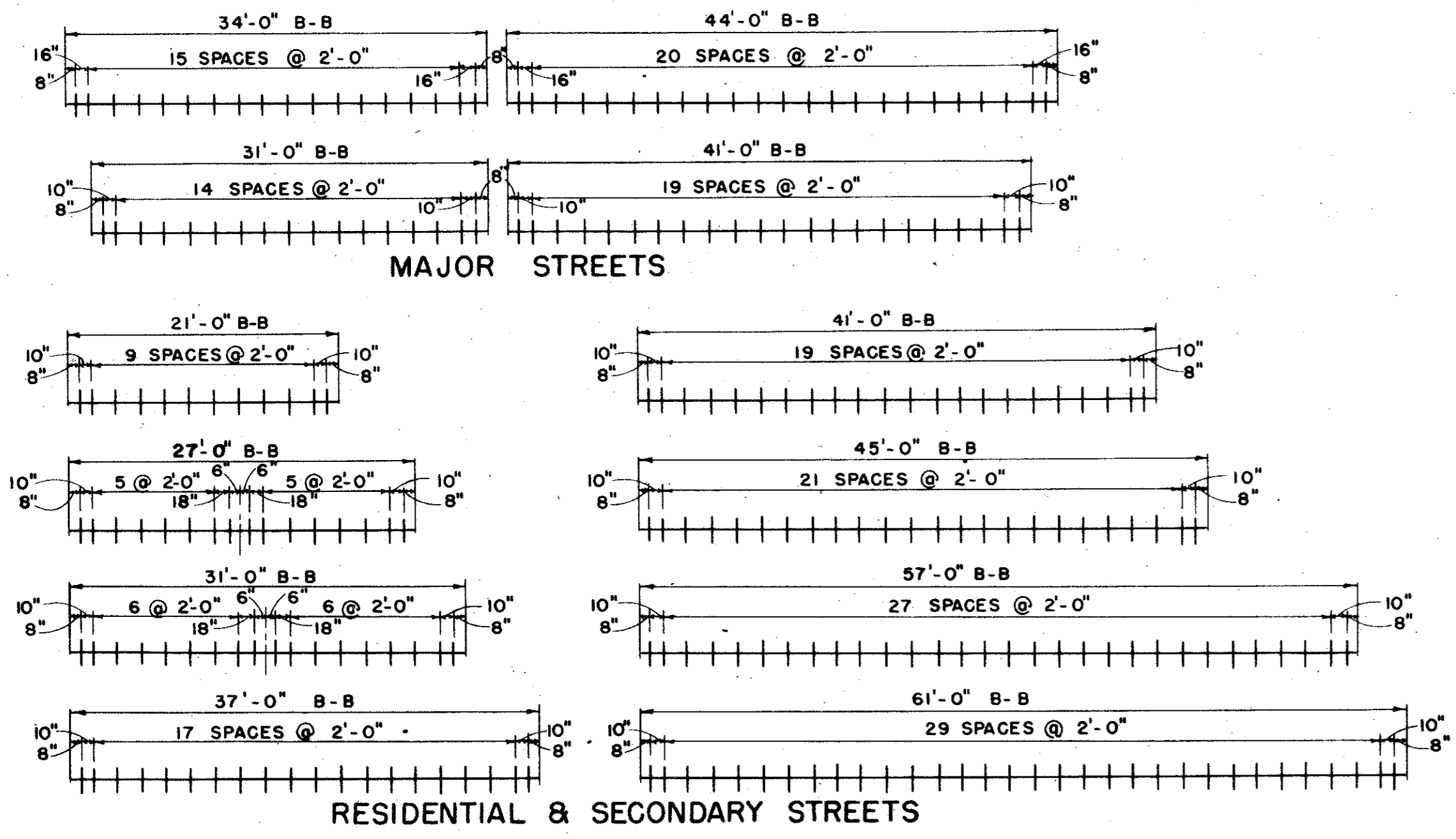
SPACING DIAGRAM FOR JOINTS
IDENTICAL FOR STREETS (CONCRETE PAVEMENT OR BASE) AND ALLEYS EXCEPT THAT EXPANSION JOINTS FOR ALLEYS SHALL BE PLACED AT THE END OF THE RETURN IN LINE WITH THE PROPERTY LINE. SPACING OF EXPANSION JOINTS SHALL NOT EXCEED 600 FEET.



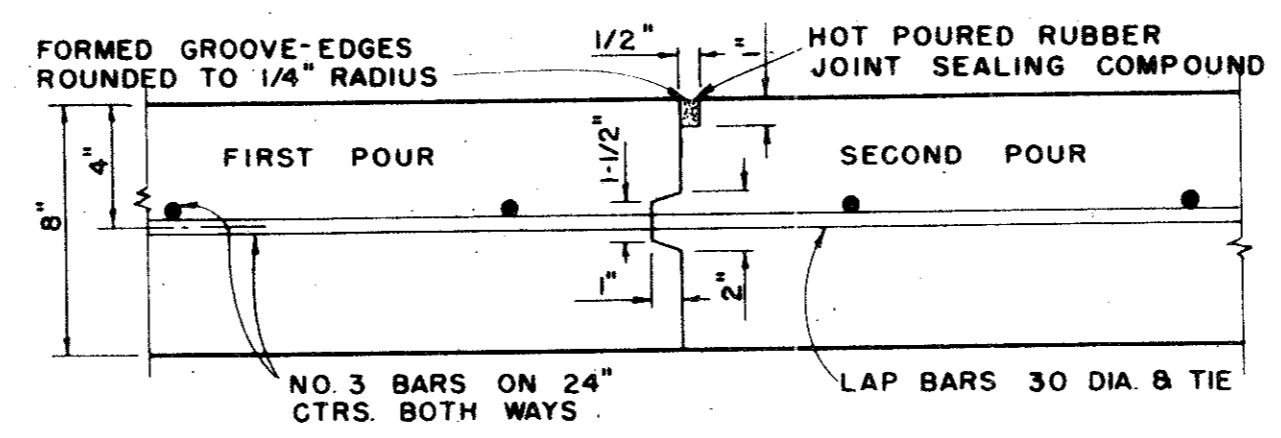
SAWED DUMMY JOINT
IDENTICAL FOR STREETS AND ALLEYS EXCEPT ALLEY LONGITUDINAL REINFORCEMENT BARS



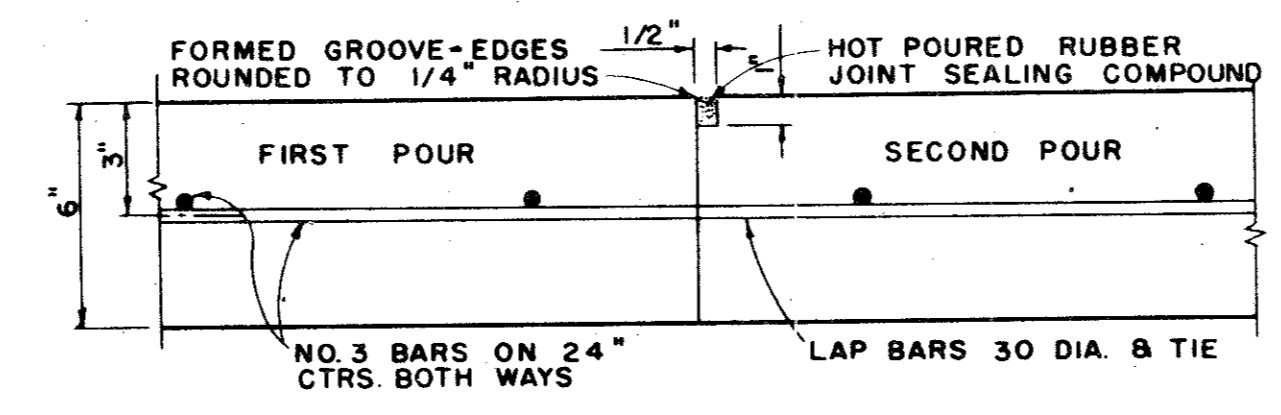
TRANSVERSE EXPANSION JOINT
IDENTICAL FOR STREETS & ALLEYS



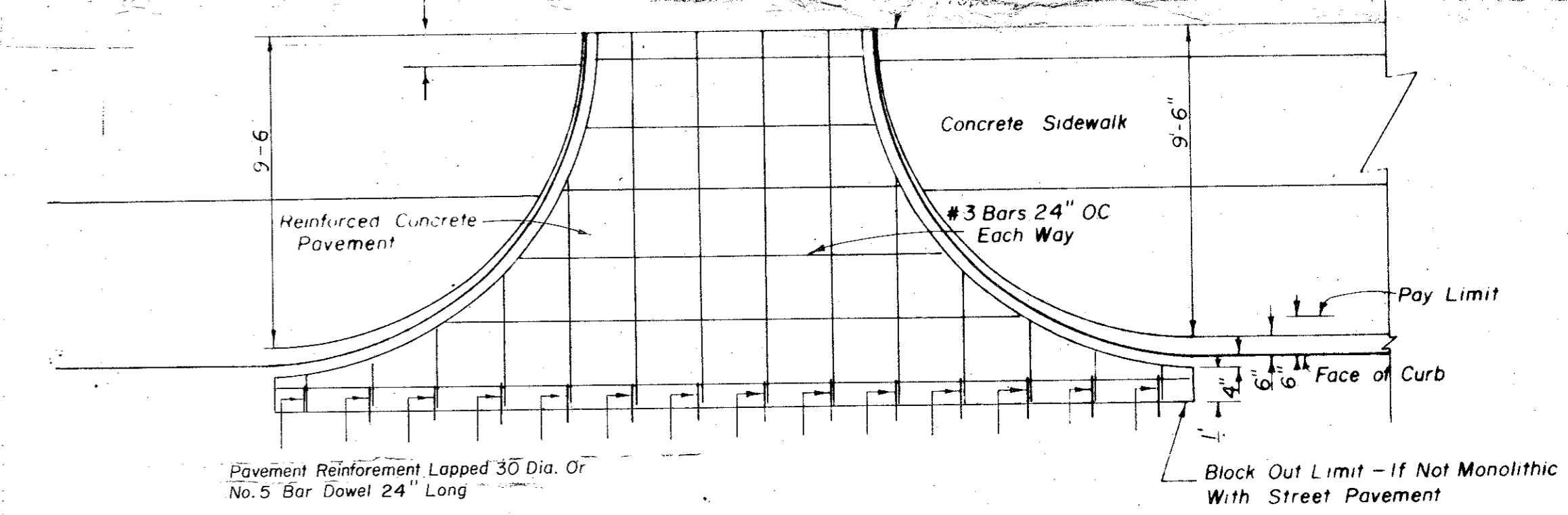
SPACING DIAGRAM FOR DOWELS AT EXPANSION JOINTS



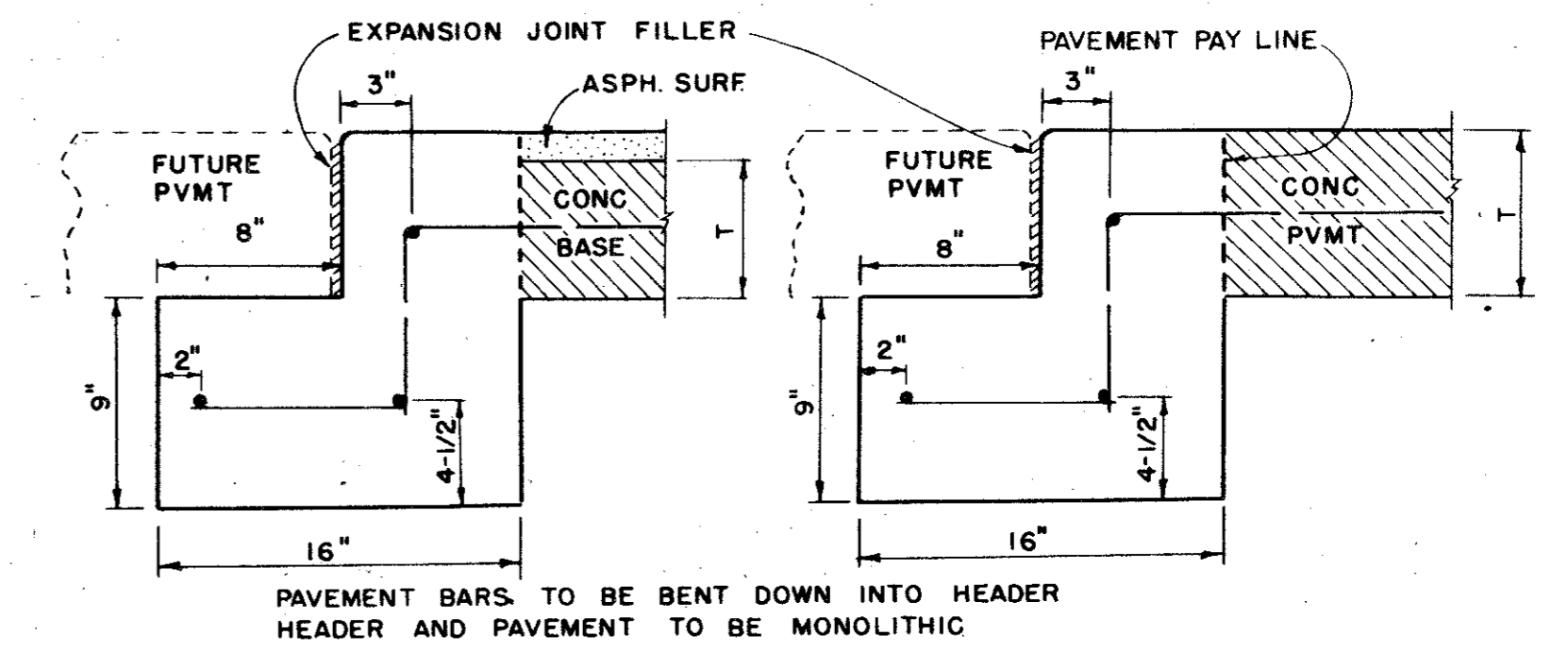
CONSTRUCTION JOINT
FOR 8" THICKNESS PAVEMENT OR BASE



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



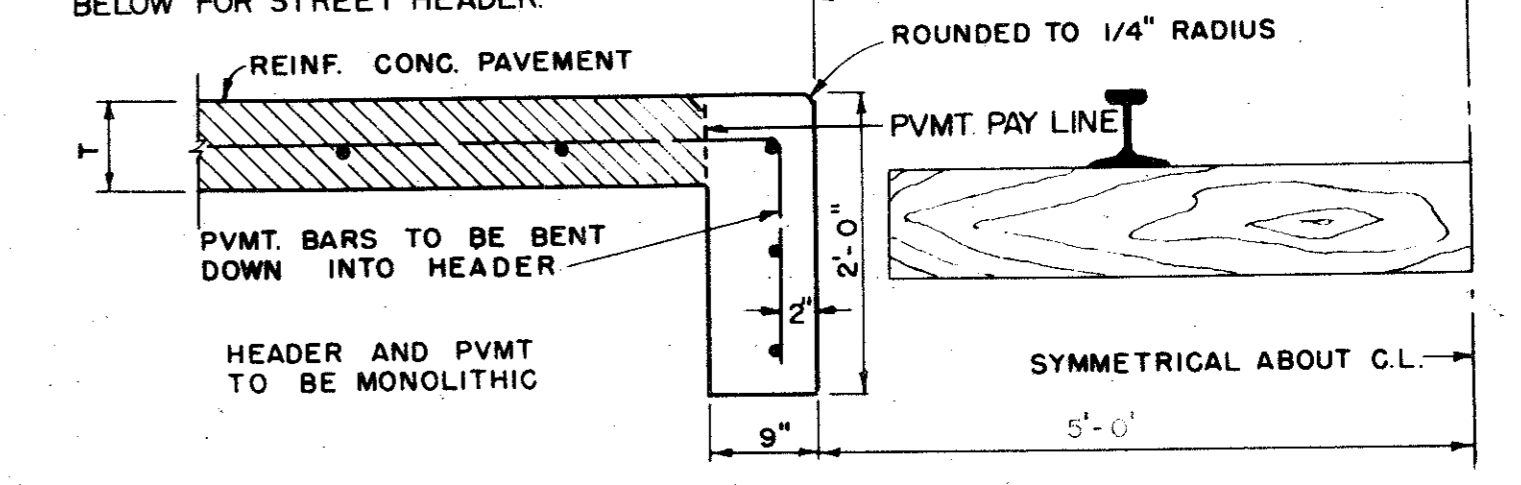
DRIVEWAY PAVING DETAILS



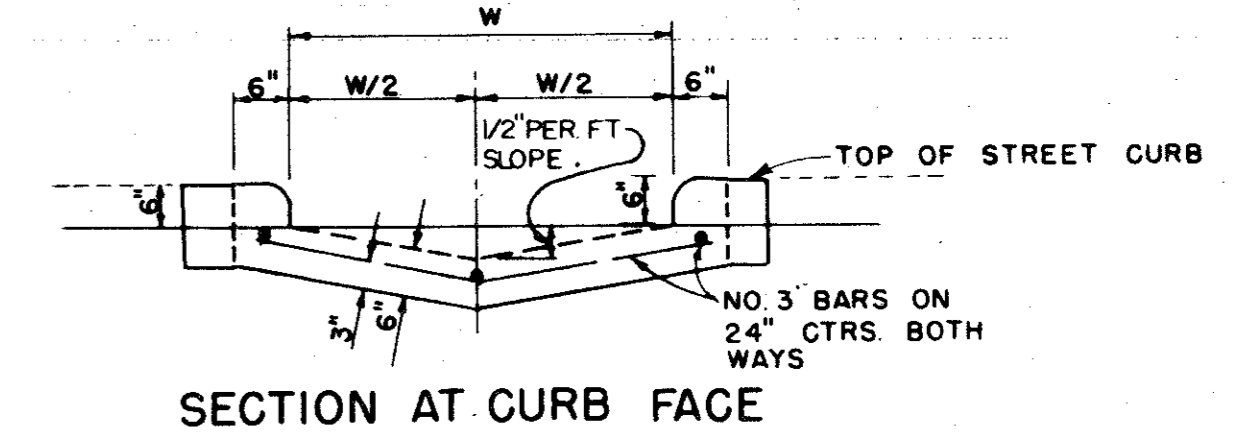
STREET HEADER

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

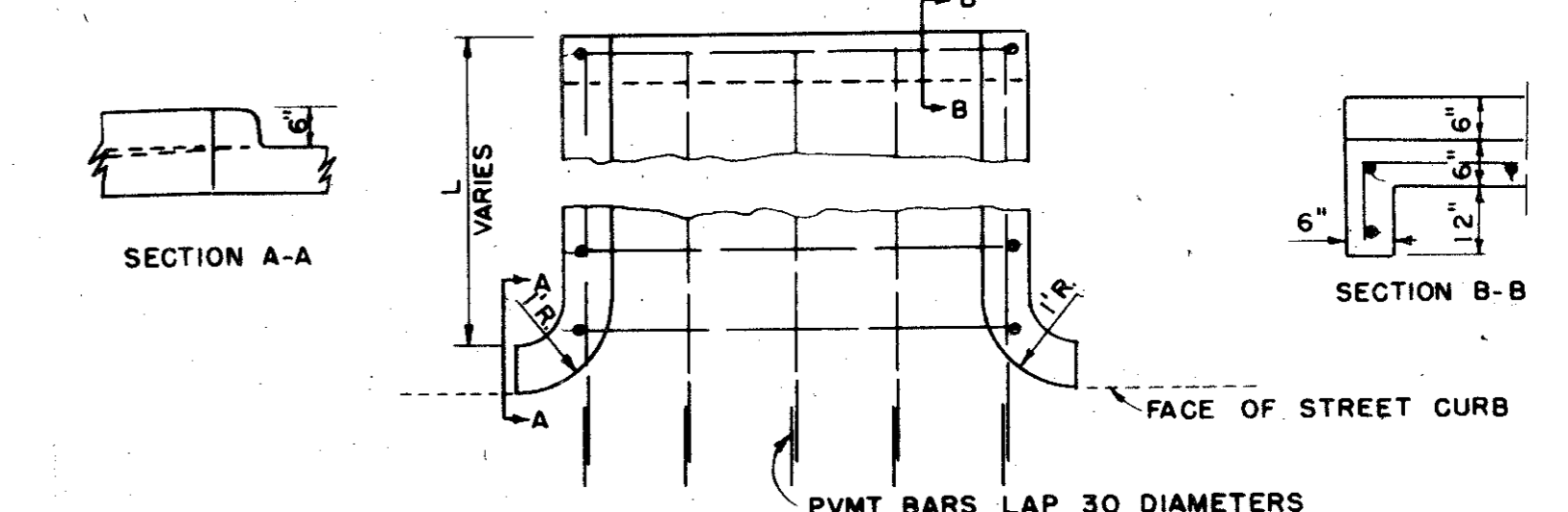
ALL WORK BETWEEN HEADERS TO BE DONE BY OTHERS UNLESS OTHERWISE SPECIFIED



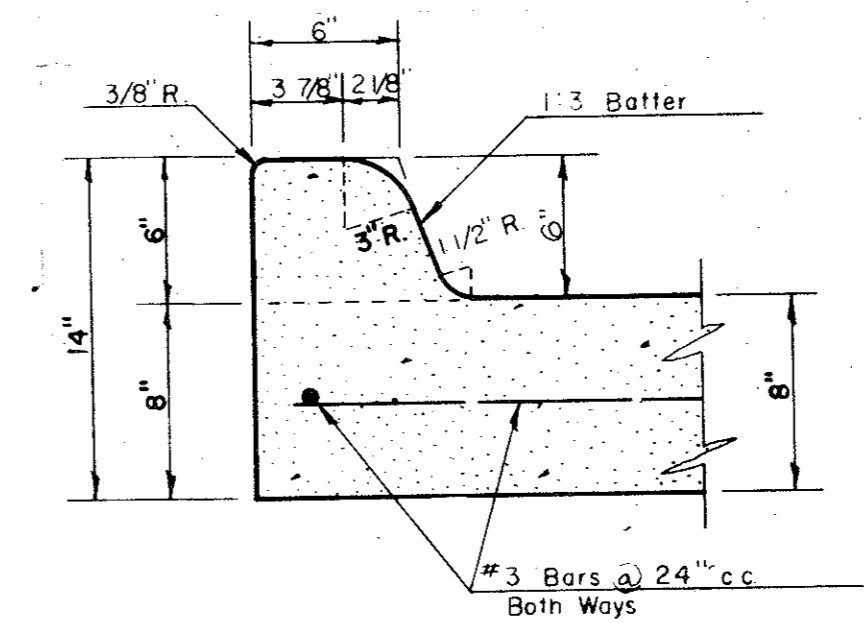
RAILROAD HEADER



SECTION AT CURB FACE



PLAN FLUME



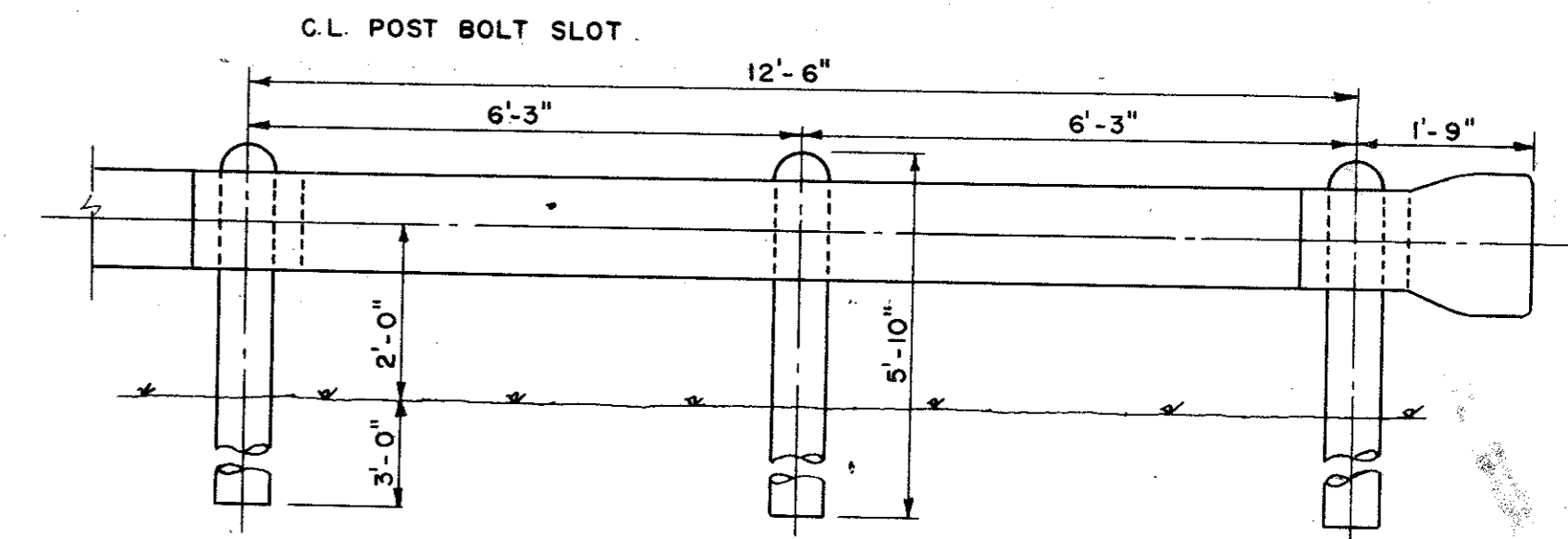
6" INTEGRAL CURB DETAIL

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

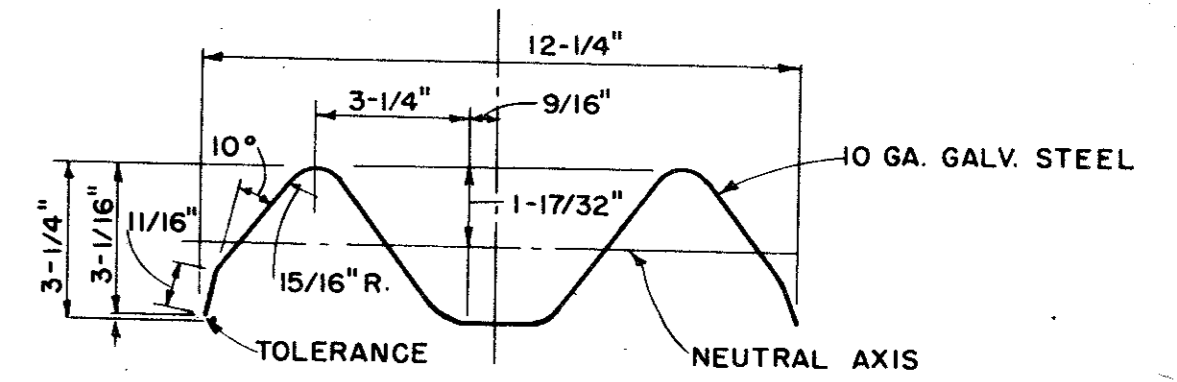
GINN, INC., CONSULTING ENGINEER

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

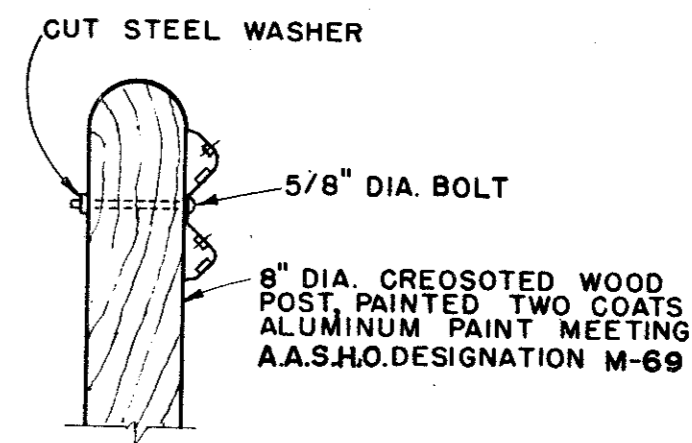
APPROVED: HWG. CHECKED: B.H. SCALE: NONE SHEET



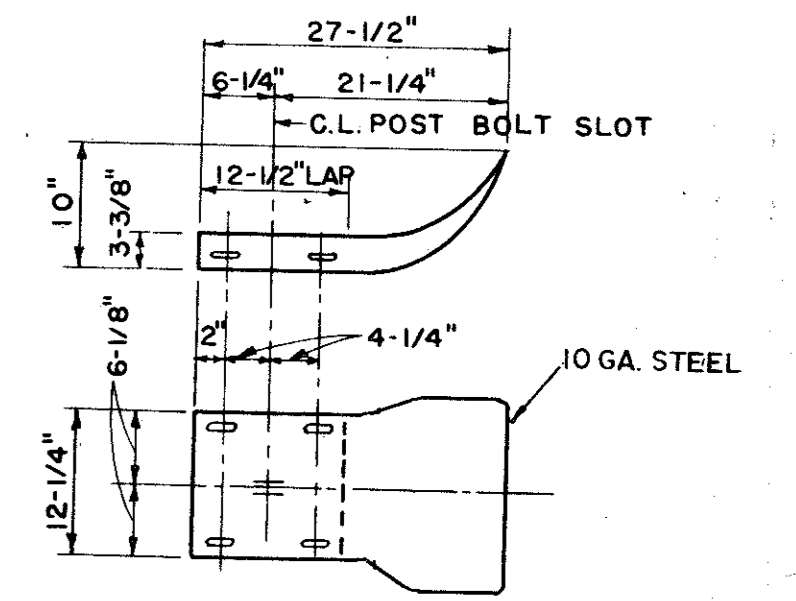
INSTALLATION



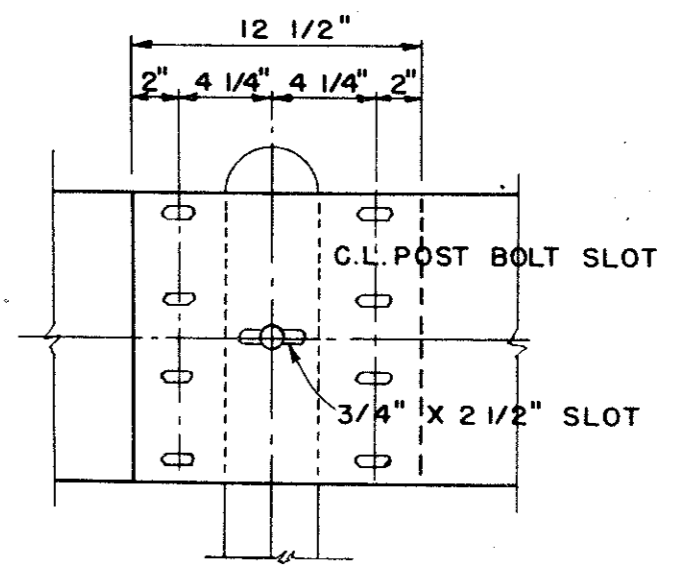
SECTION THROUGH RAIL ELEMENT



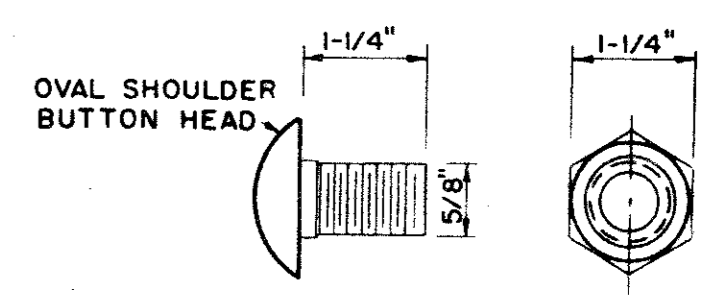
ARRANGEMENT AT POSTS



TERMINAL SECTION



RAIL SPLICE

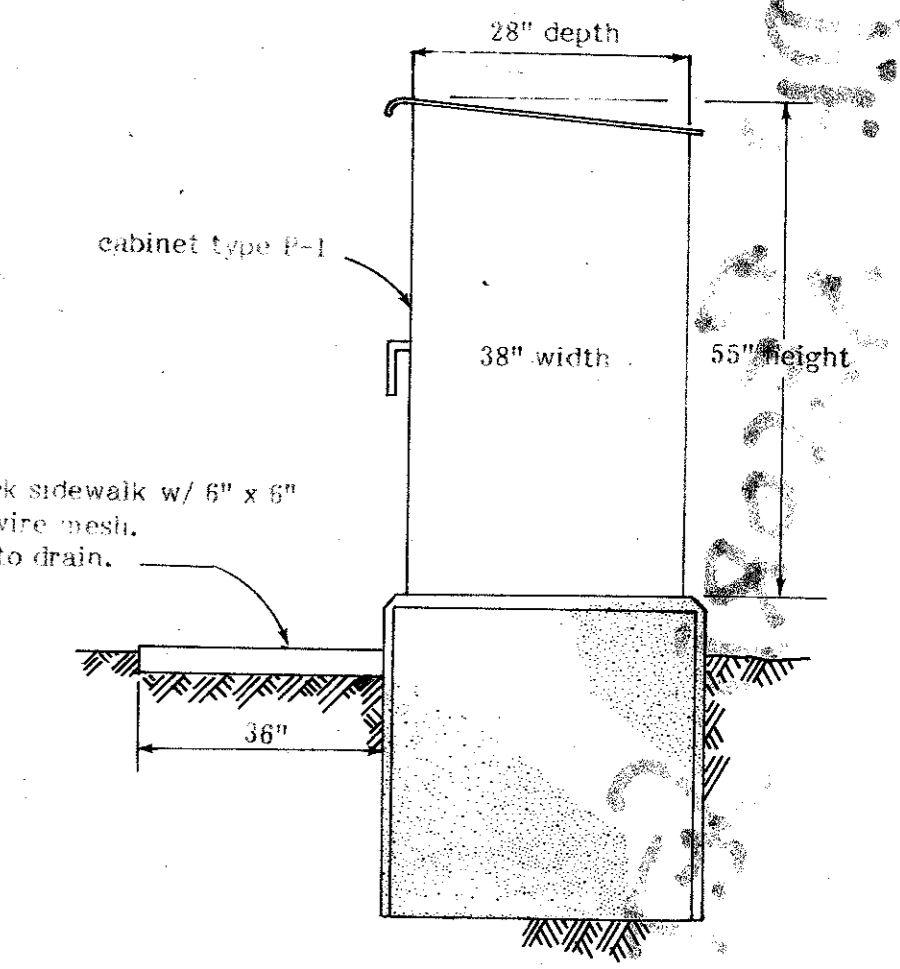
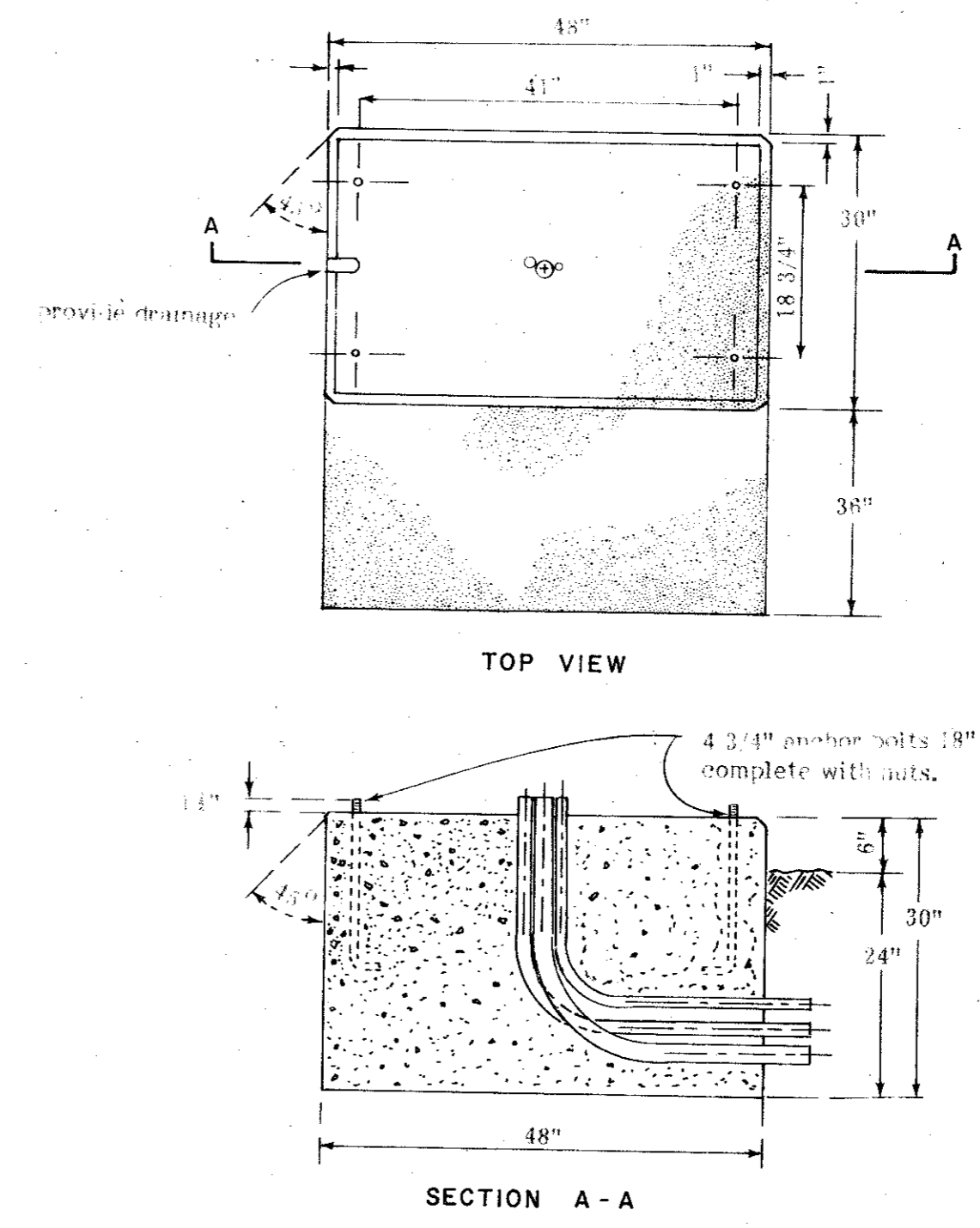
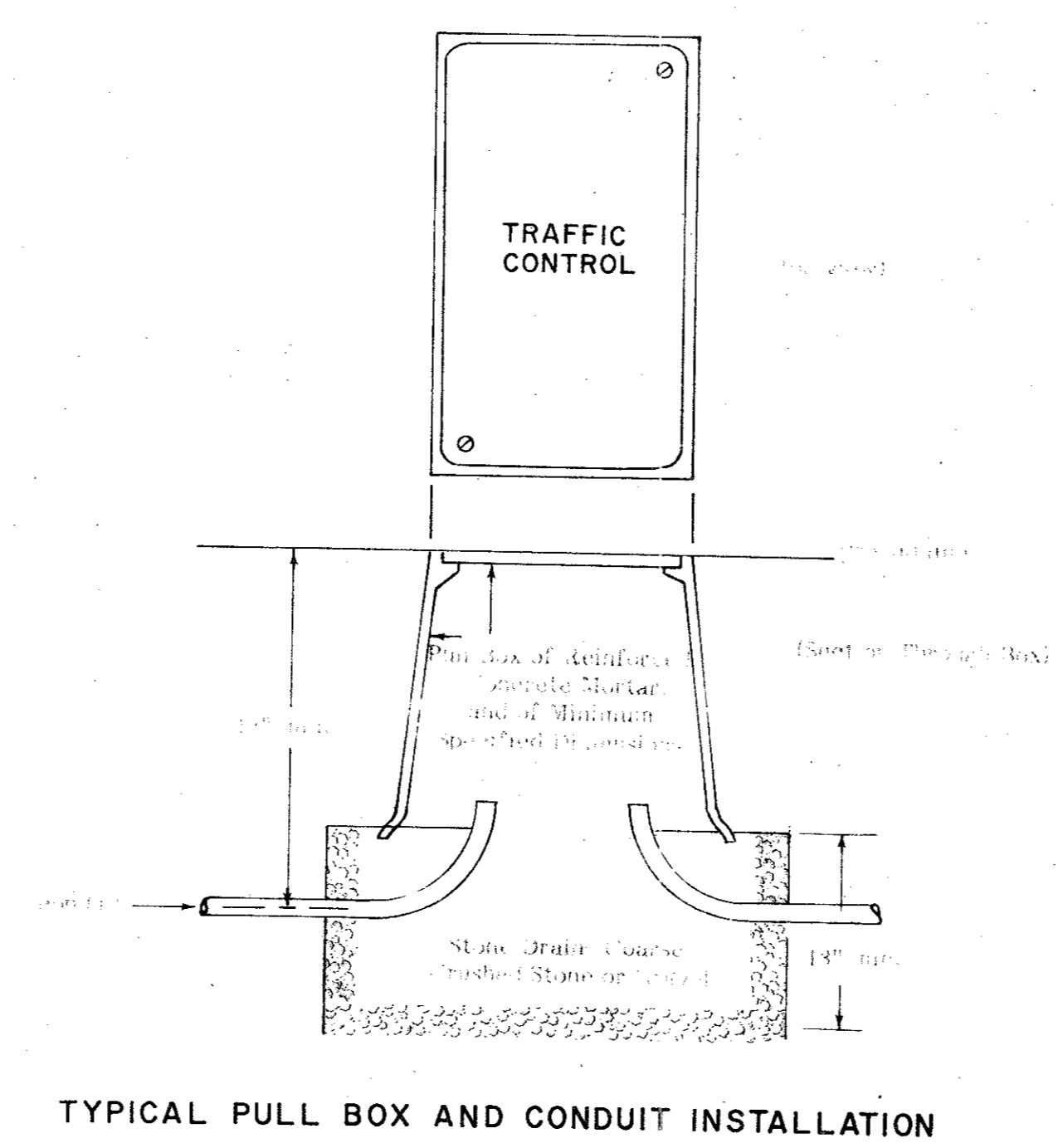
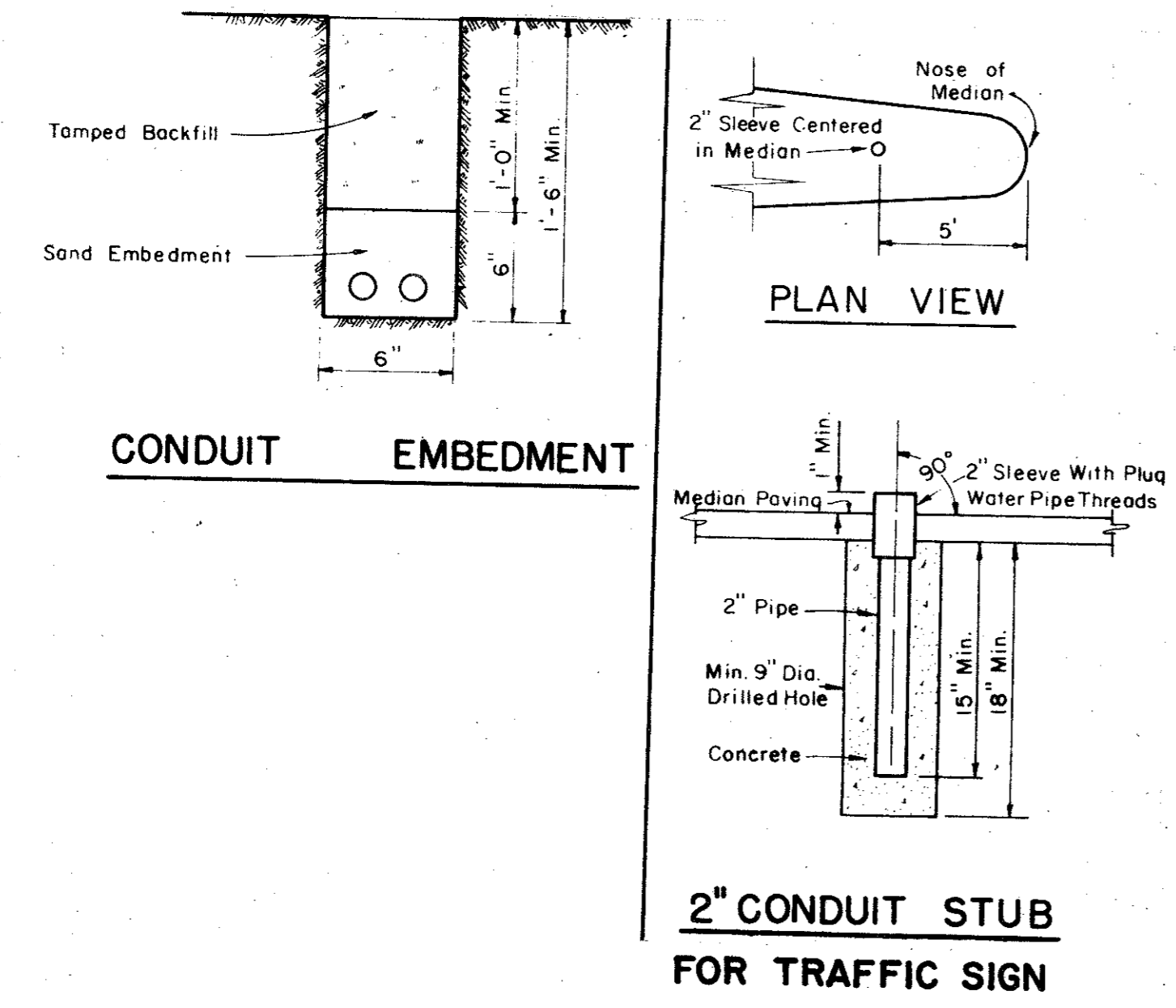
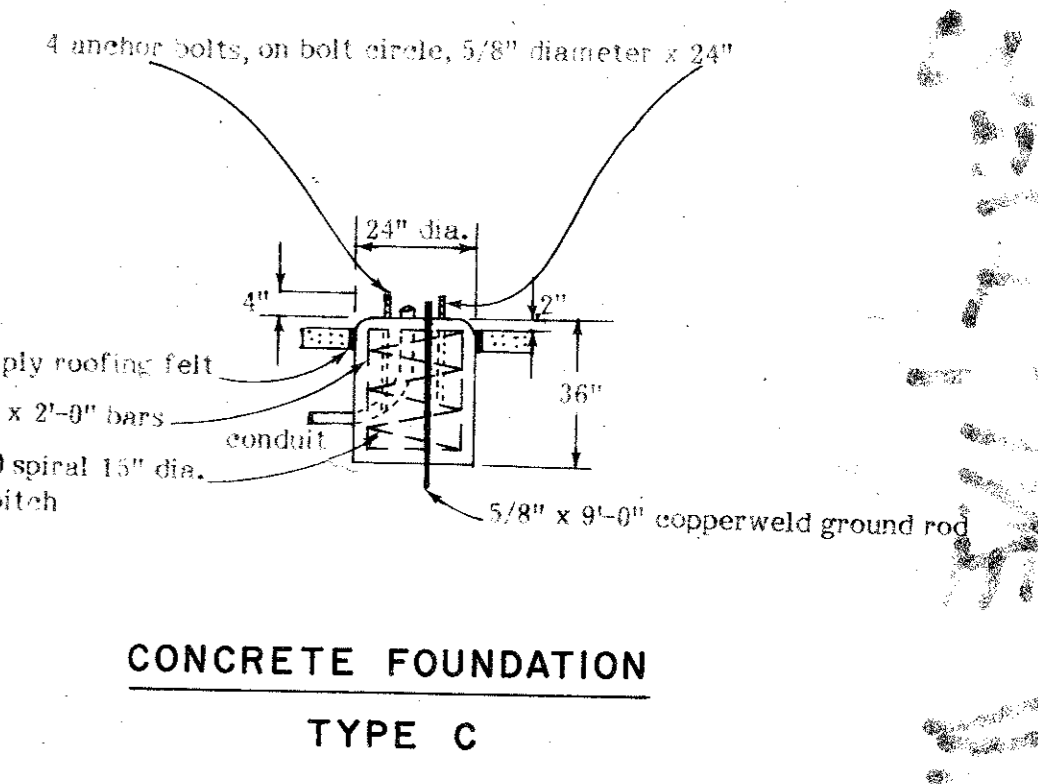
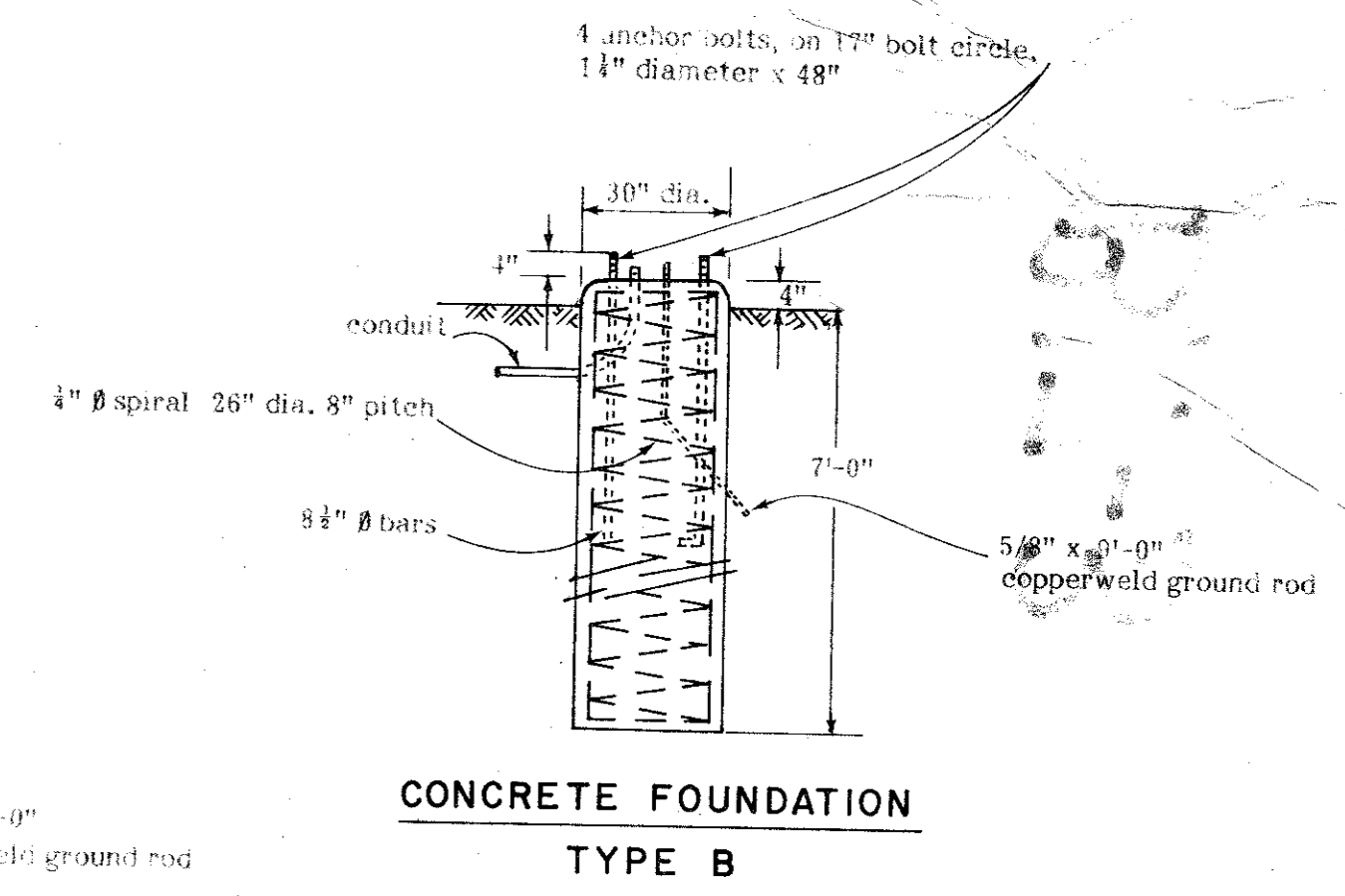
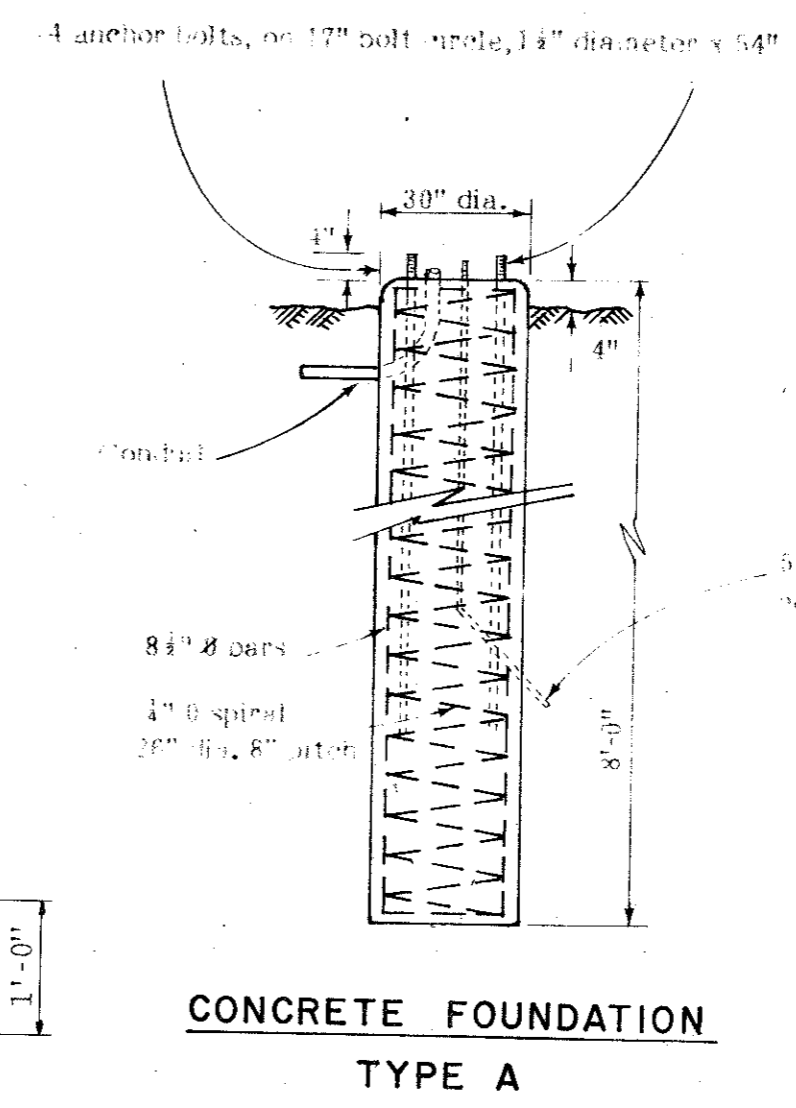
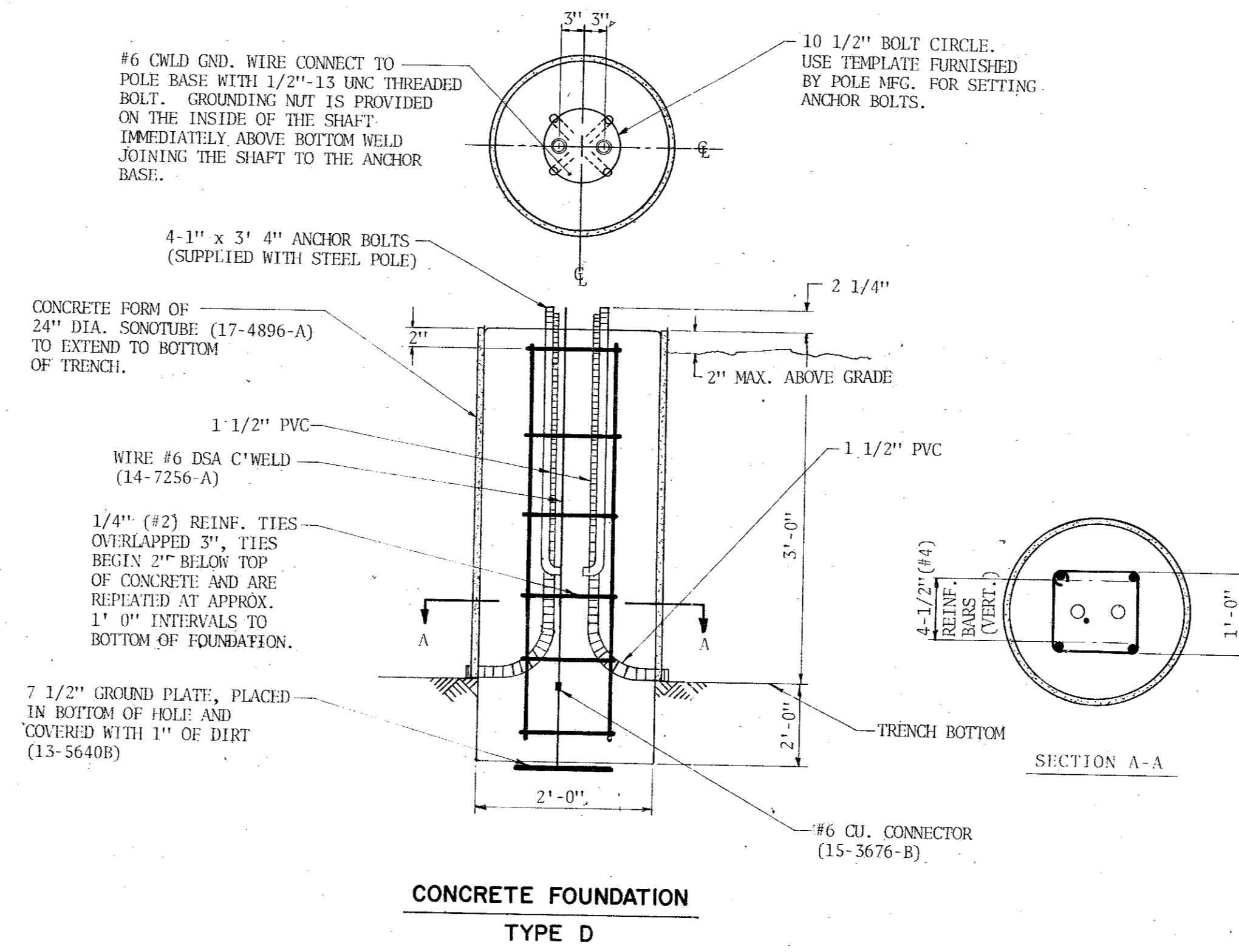


SPLICE BOLT NUT

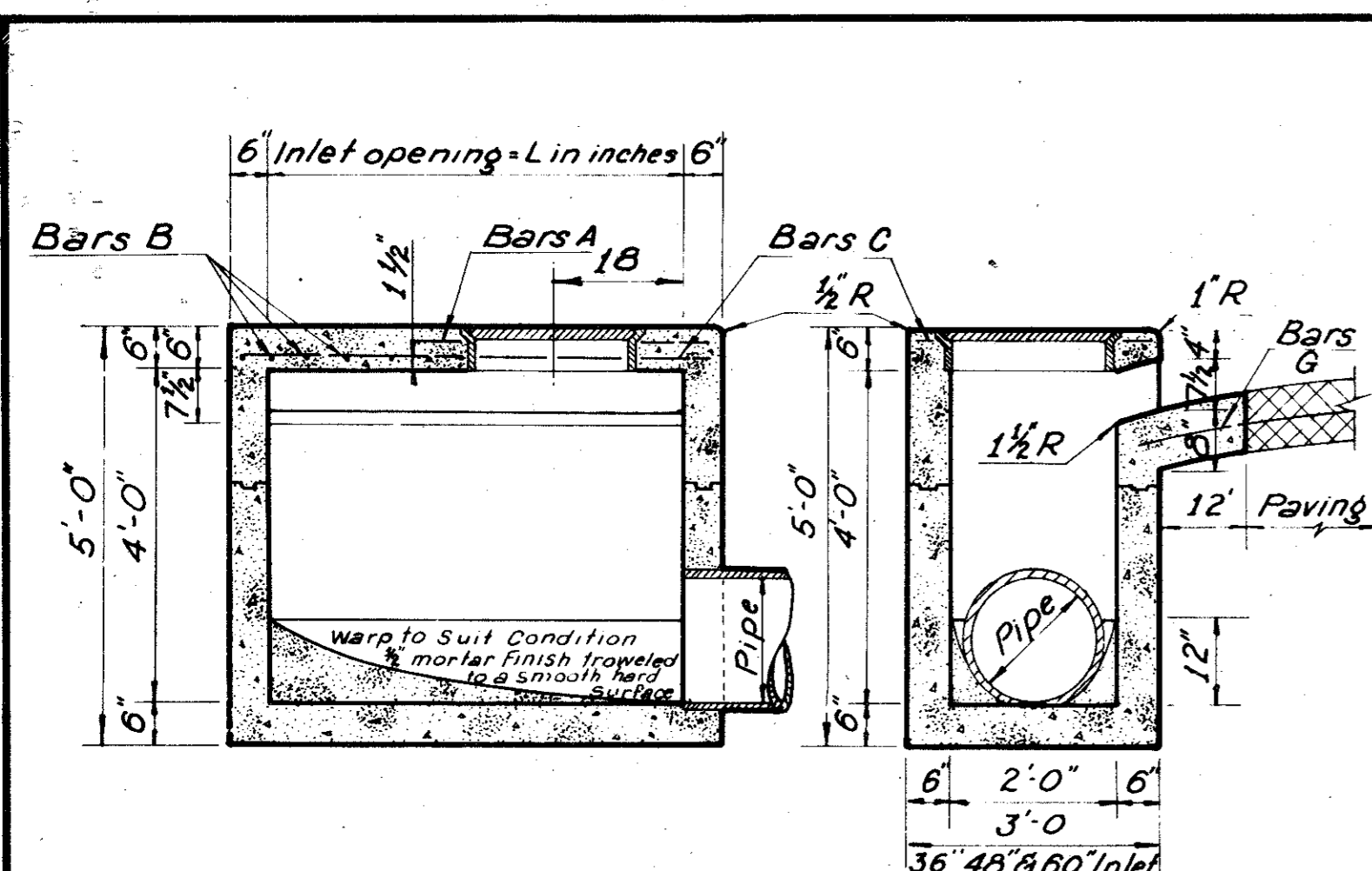
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCE

DEEP BEAM HIGHWAY GUARD RAIL

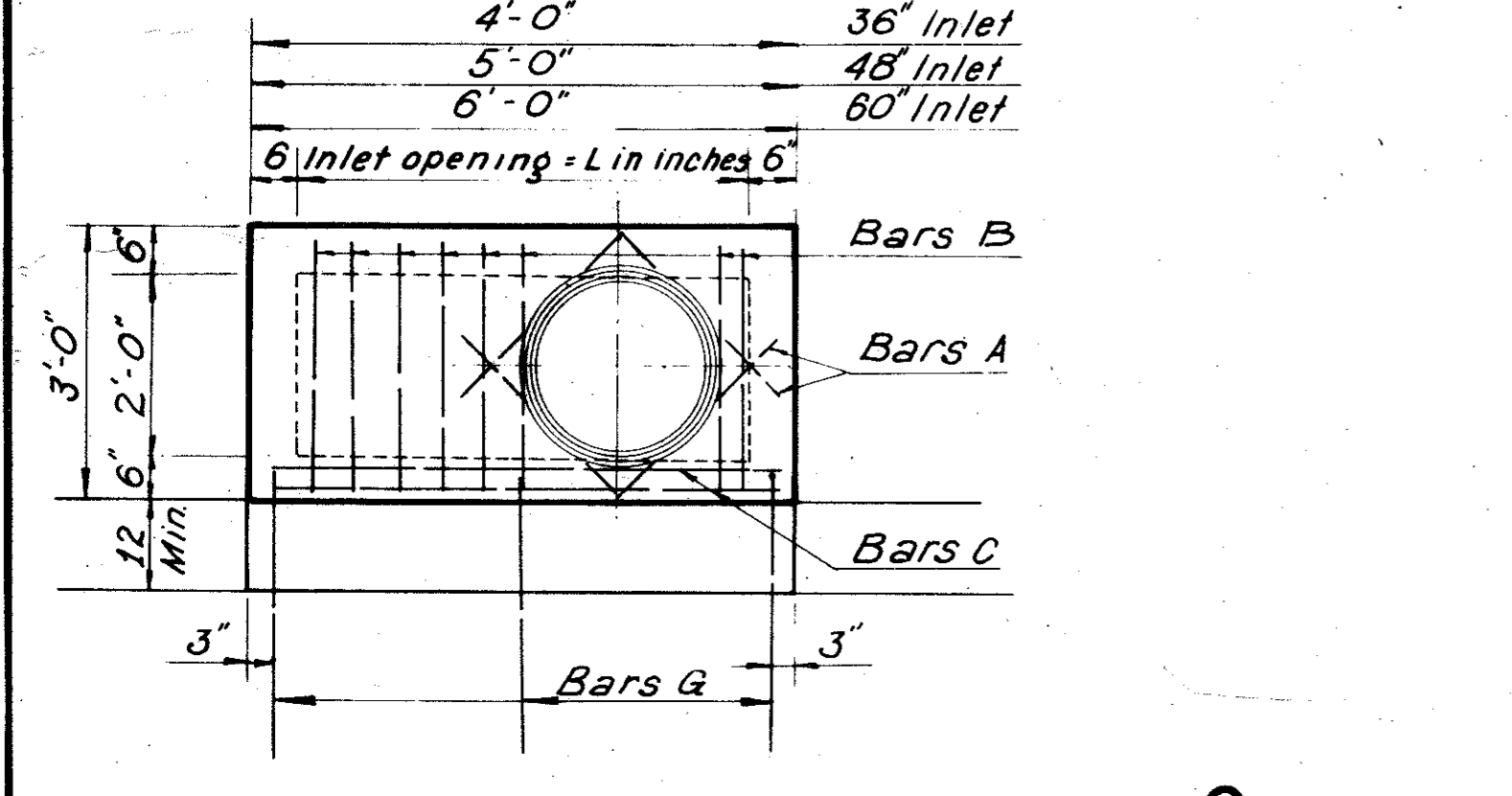
CITY OF ADDISON			
COUNTY OF DALLAS, TEXA			
DEPARTMENT OF PUBLIC WORKS			
GUARD RAIL			
BELT LINE ROAD			
GINN INC., CONSULTING ENGINEERS			
DESIGNED-H.B.J.	DRAWN-B.H.	DATE-MAY-1980	FILE
APPROVED-H.W.	CHECKED-S.M.	SCALE-NONE	SHEET



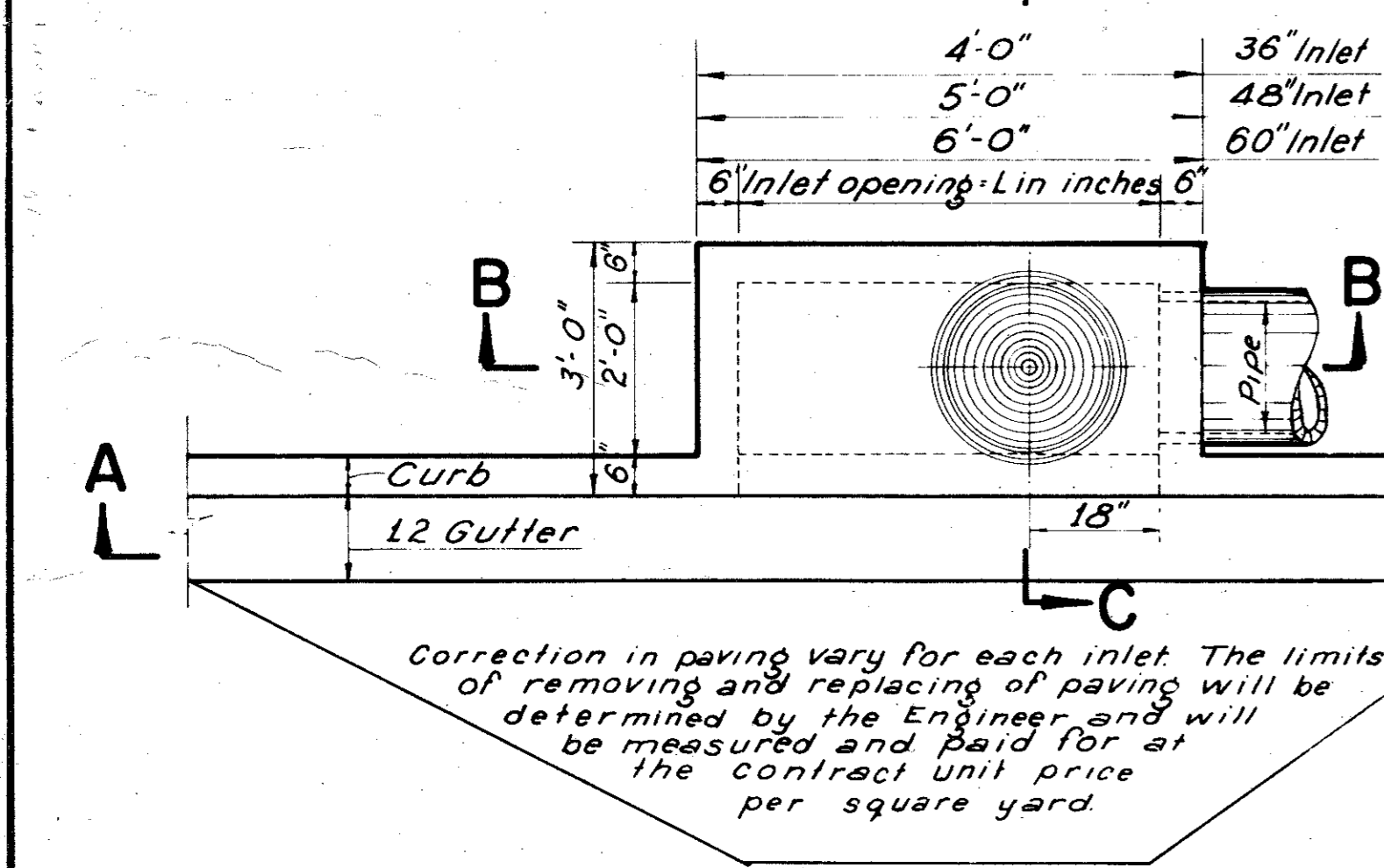
CITY OF ADAMS
COUNTY OF DA
 DEPARTMENT OF PU
CONDUIT AND FOUNDATION BELT LINE
 GINN, INC., CONSULTANTS
 DESIGNED - H.B.J. DRAWN - S.M. DATE - MAY - 1981
 APPROVED - H.W.G. CHECKED - B.H. SCALE - NO. 1"



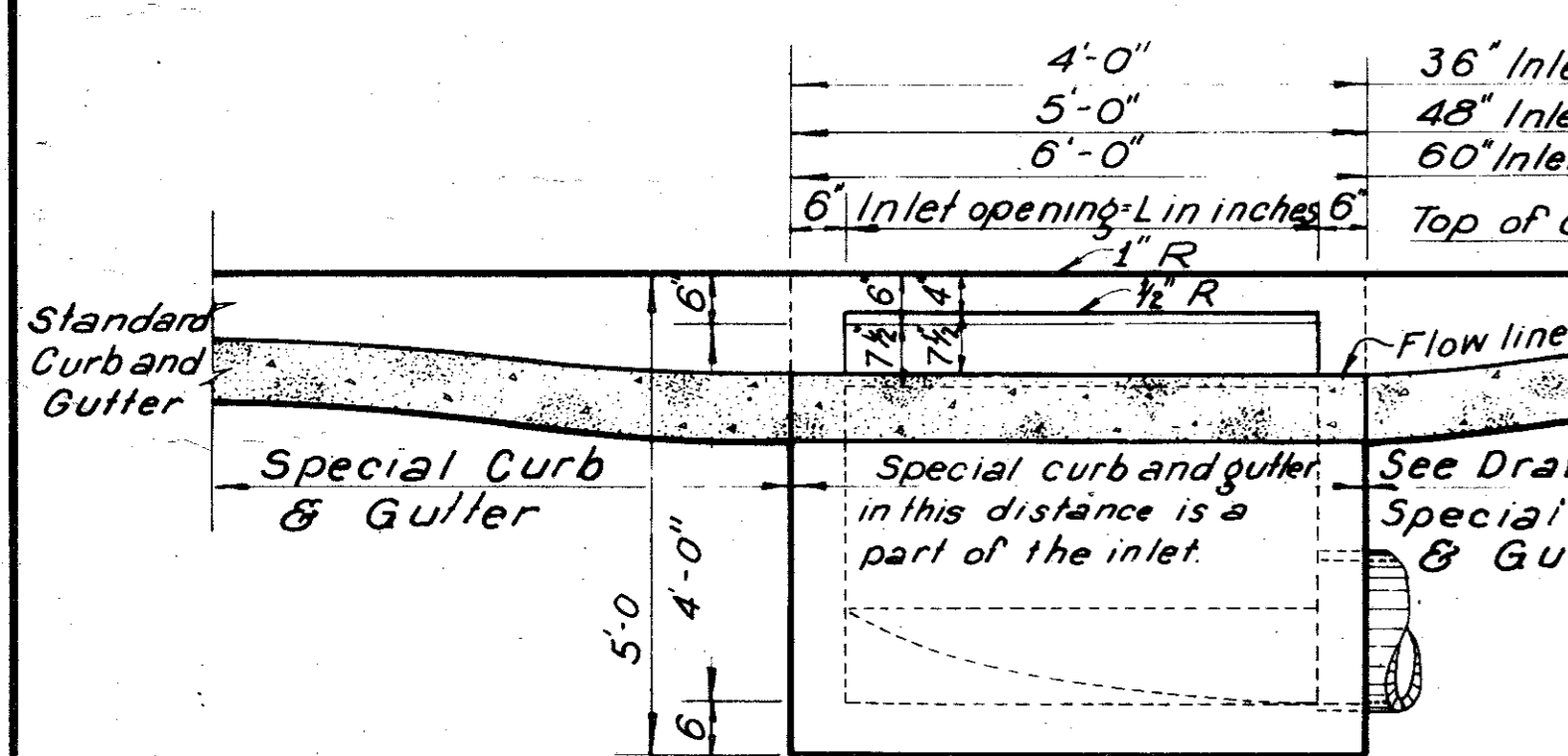
SECTION B-B SECTION C-C



REINFORCING PLAN

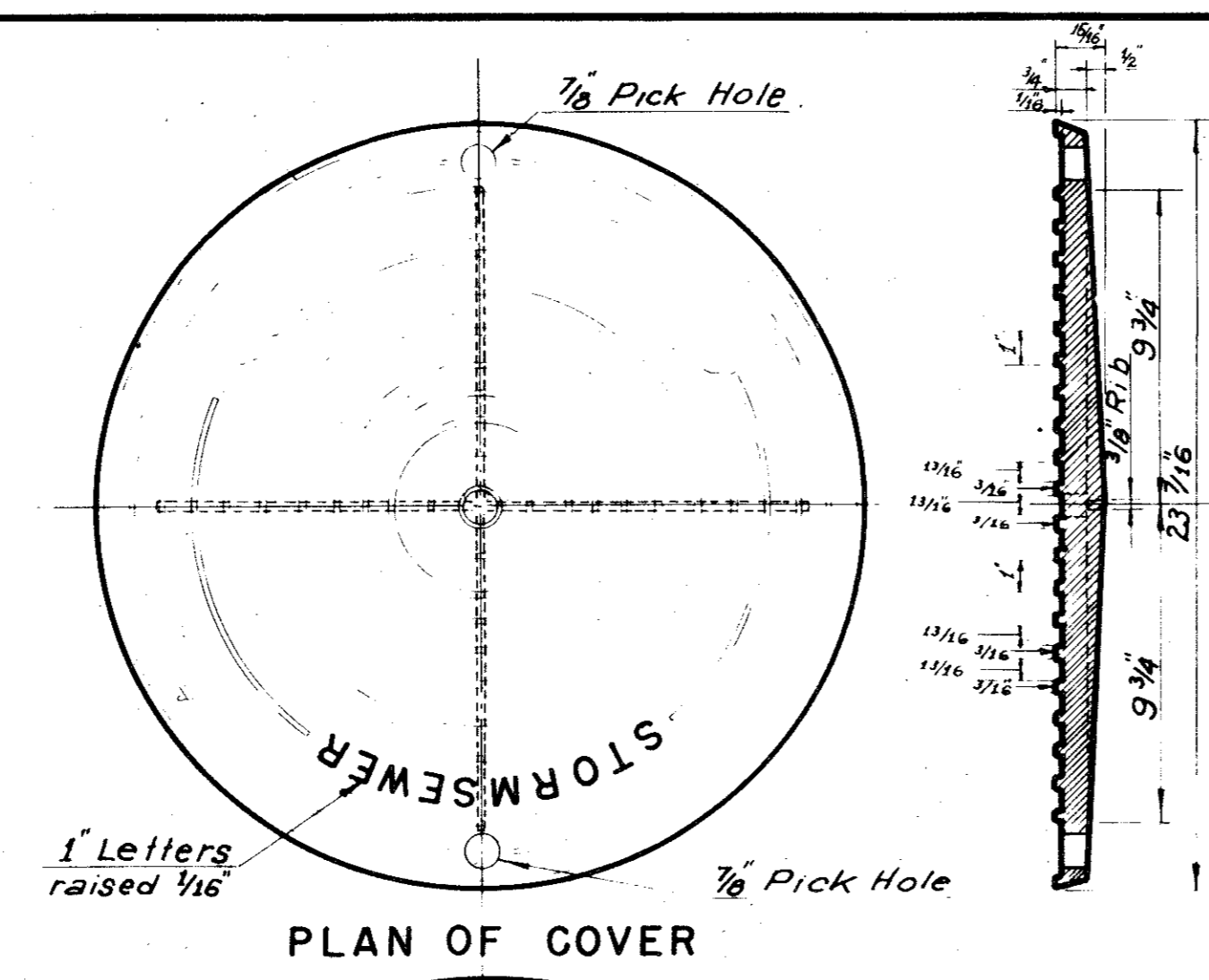


PLAN

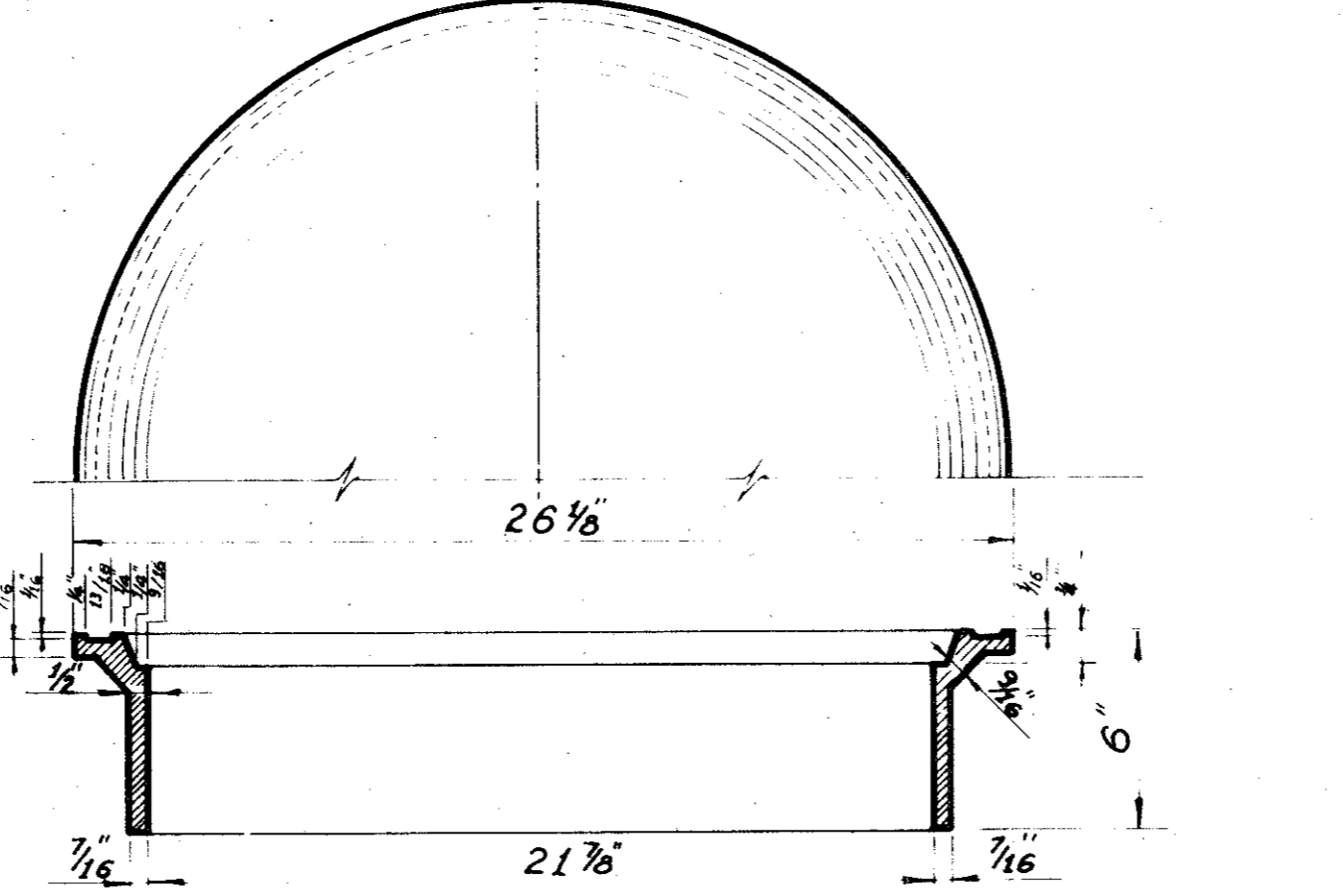


SECTION A-A

36, 48 AND 60 INCH INLETS



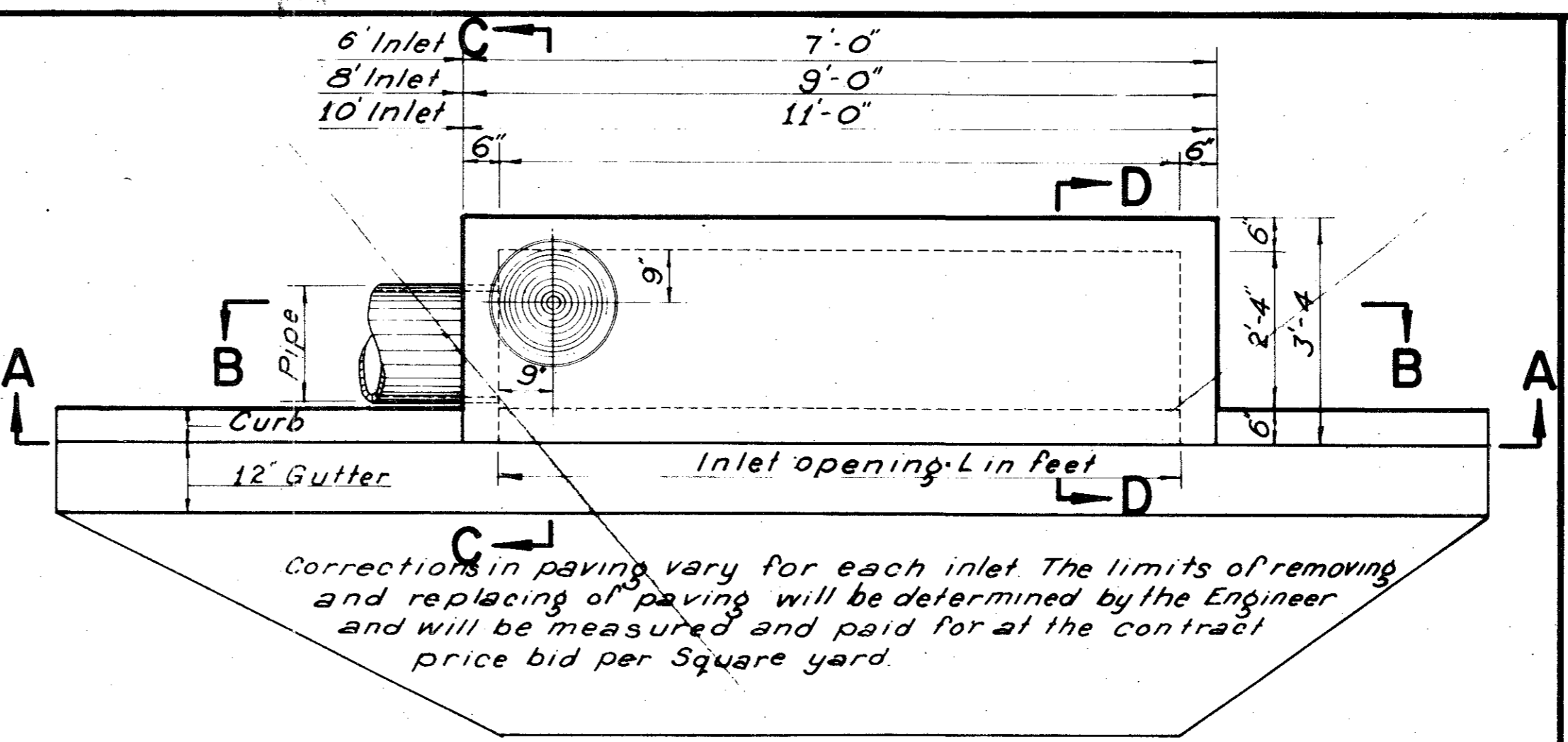
PLAN OF COVER



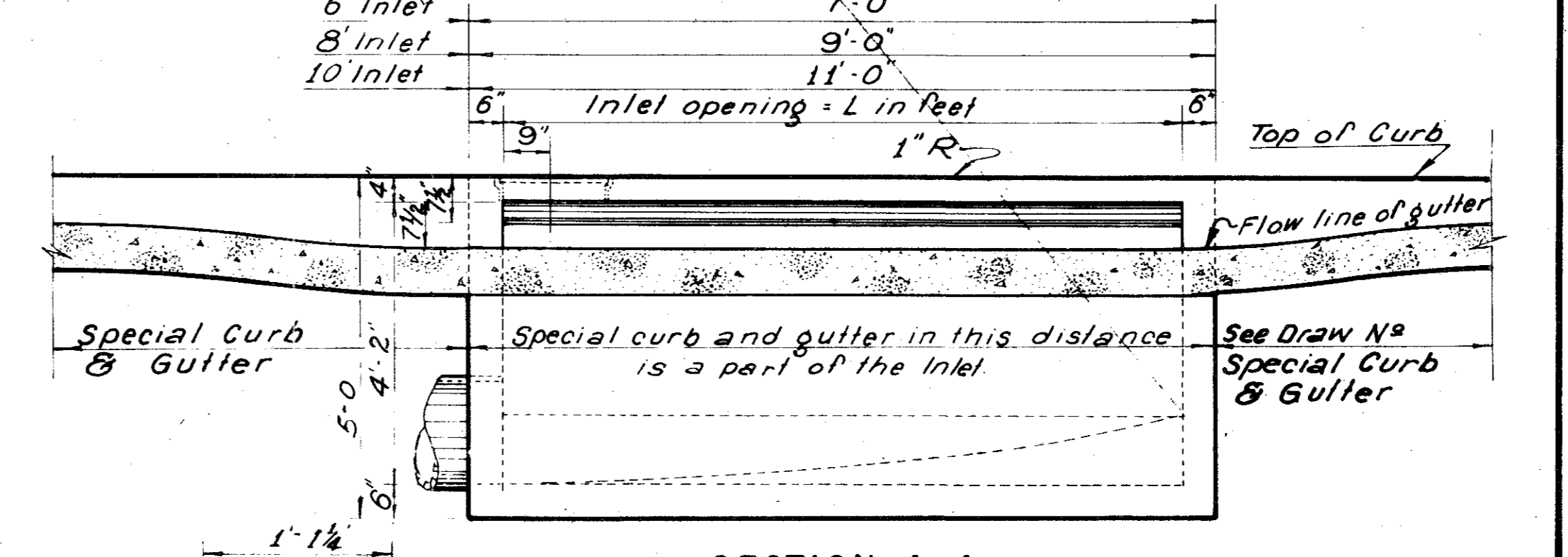
SECTION OF FRAME INLET FRAME AND COVER

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

2'-6"	36" Inlet - #5-4 required
2'-6"	48" Inlet - #5-4 required
2'-6"	60" Inlet - #5-4 required
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	



PLAN



SECTION A-A

BARS H

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

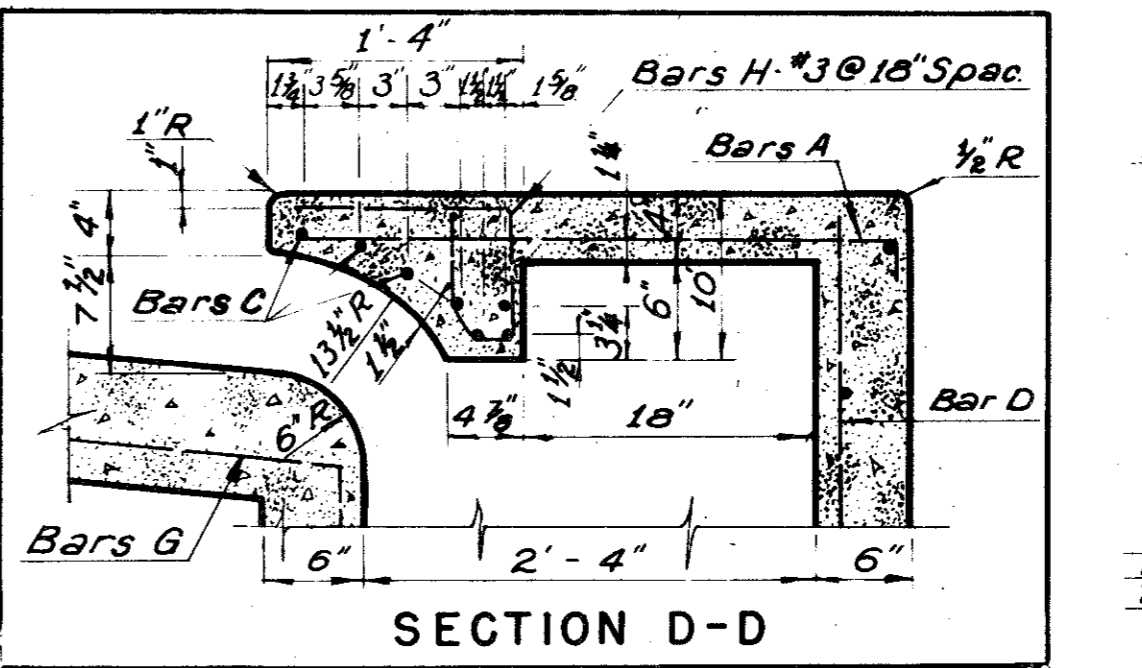
BARS B

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

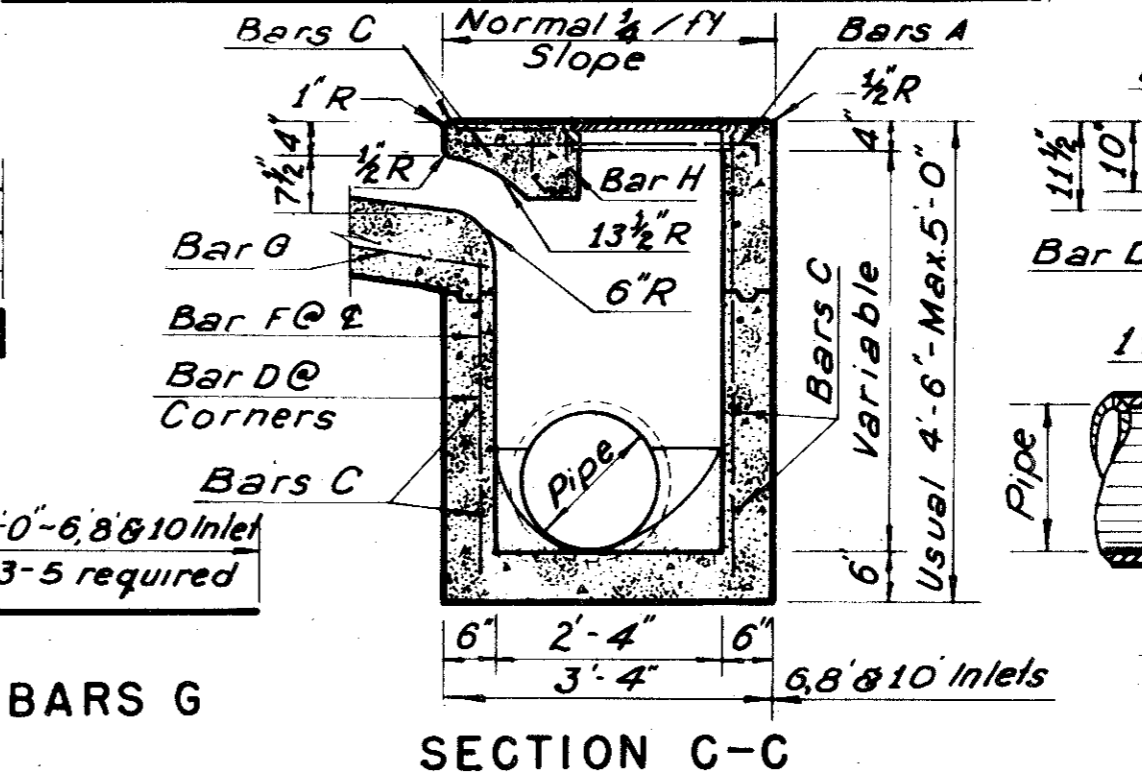
BARS C

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

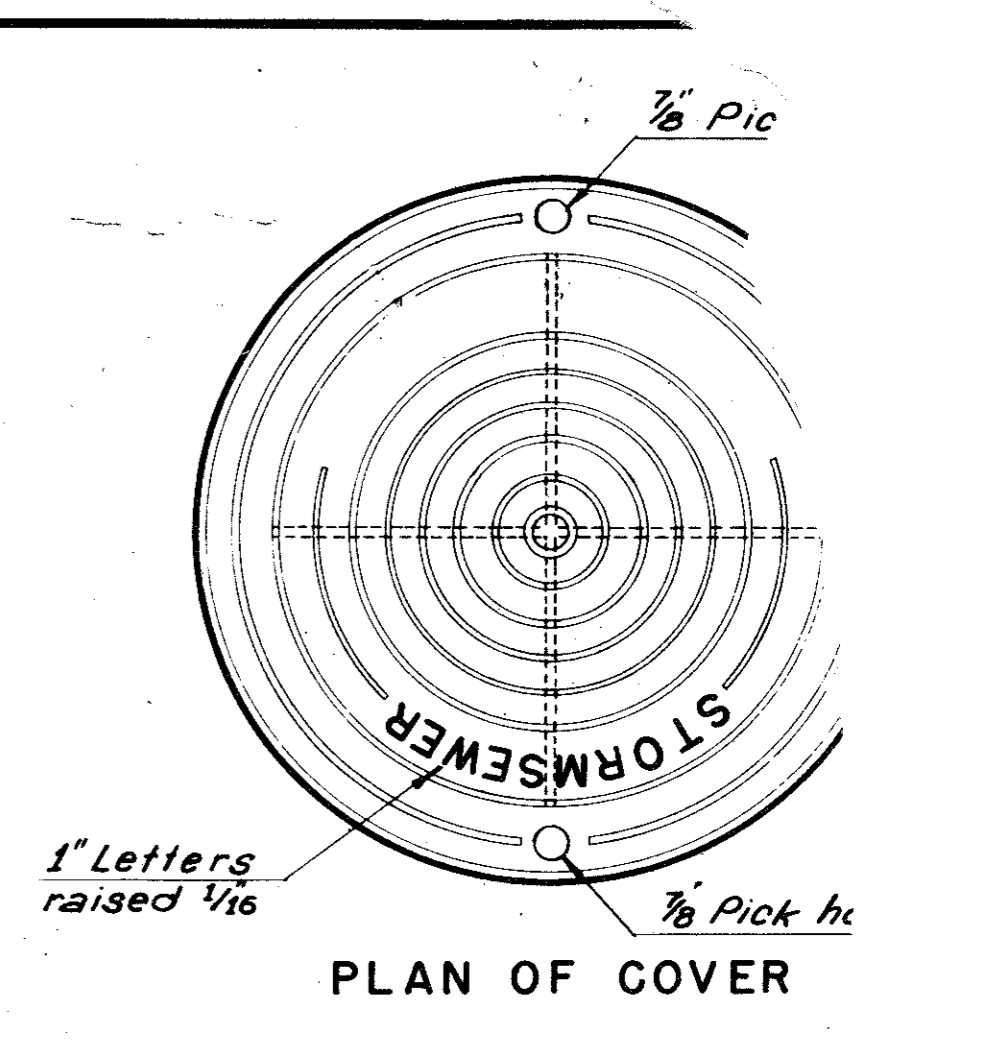
BARS D **BARS F** **BARS G**



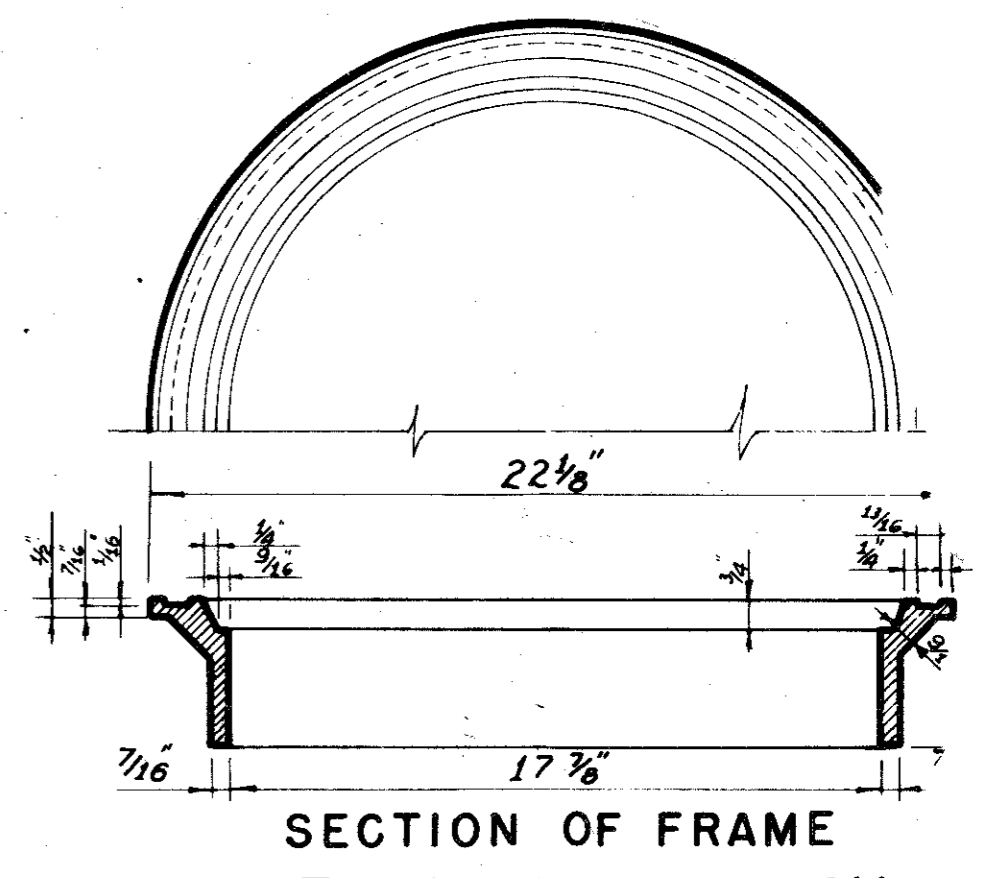
SECTION D-D



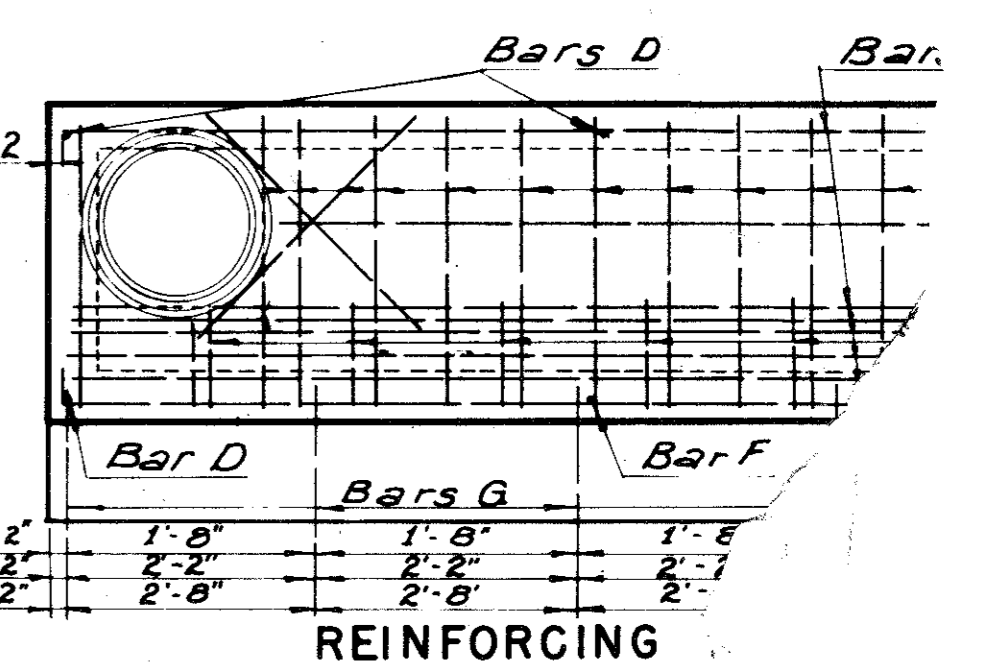
SECTION C-C



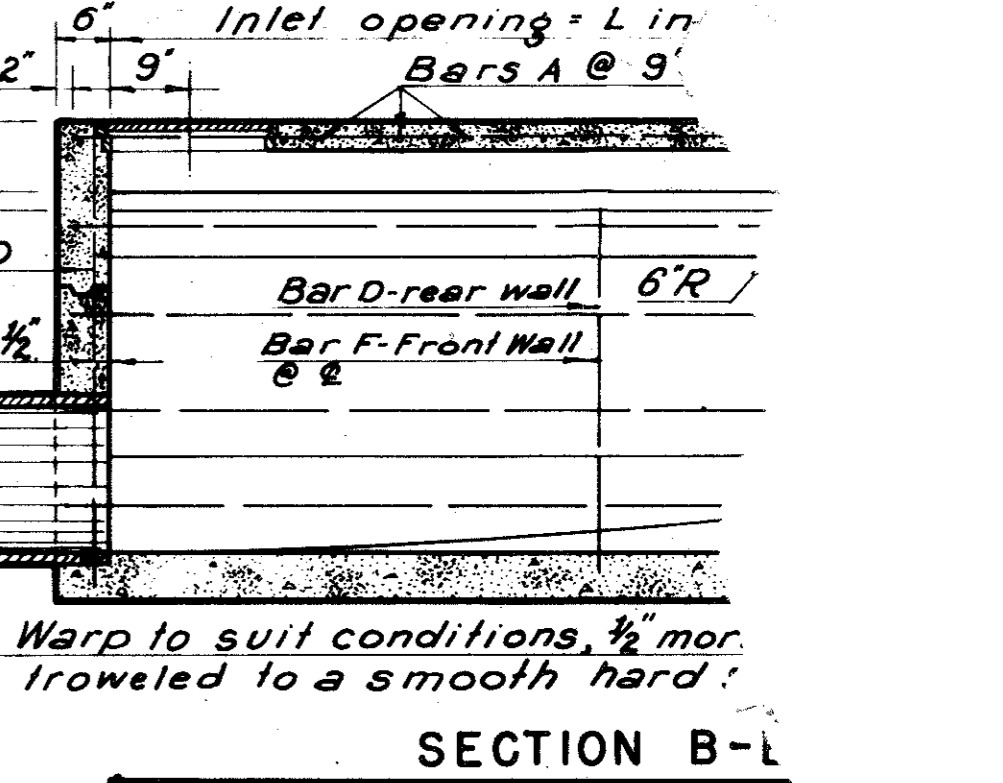
PLAN OF COVER



SECTION OF FRAME INLET FRAME AND COVER



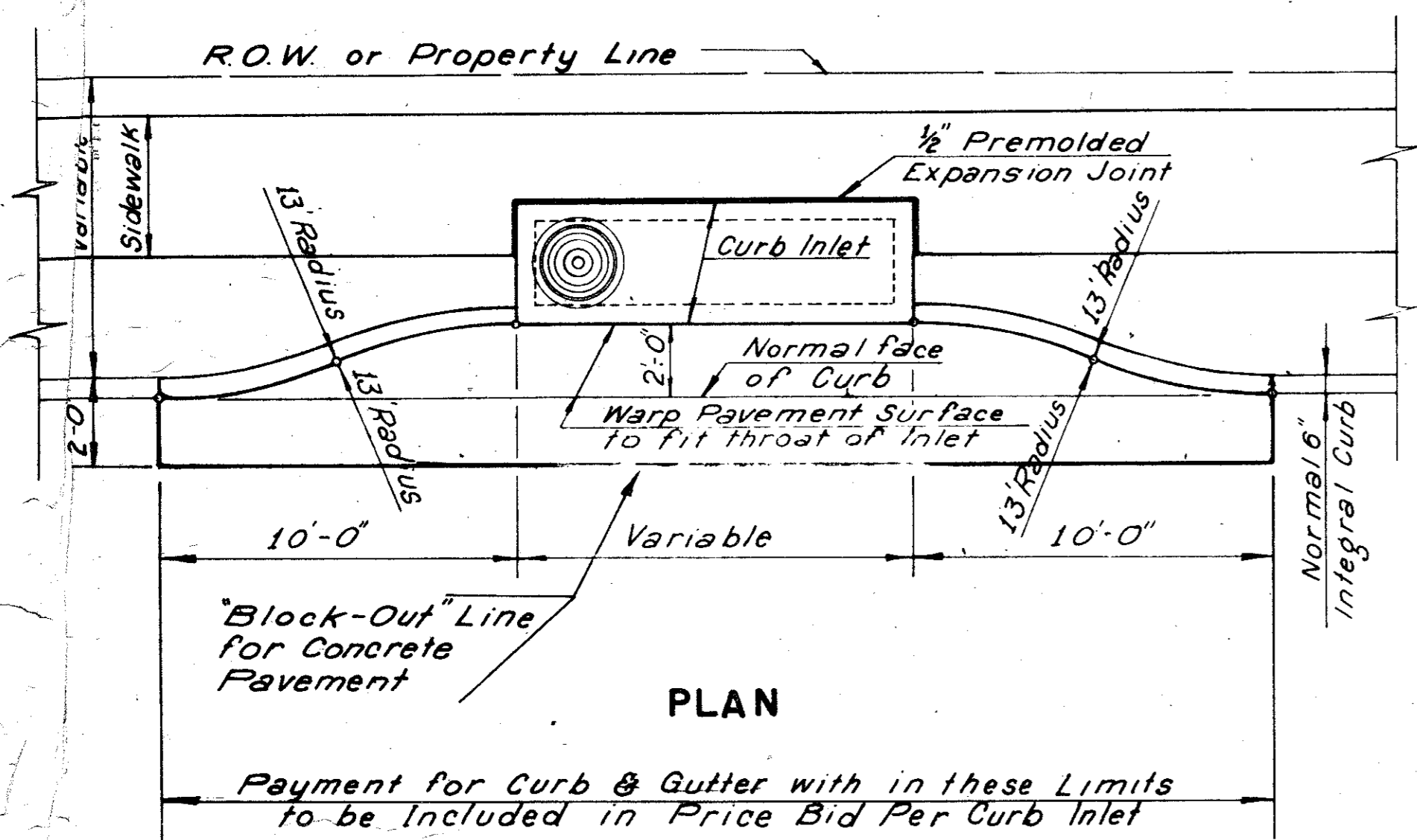
REINFORCING PLAN



SECTION B-L

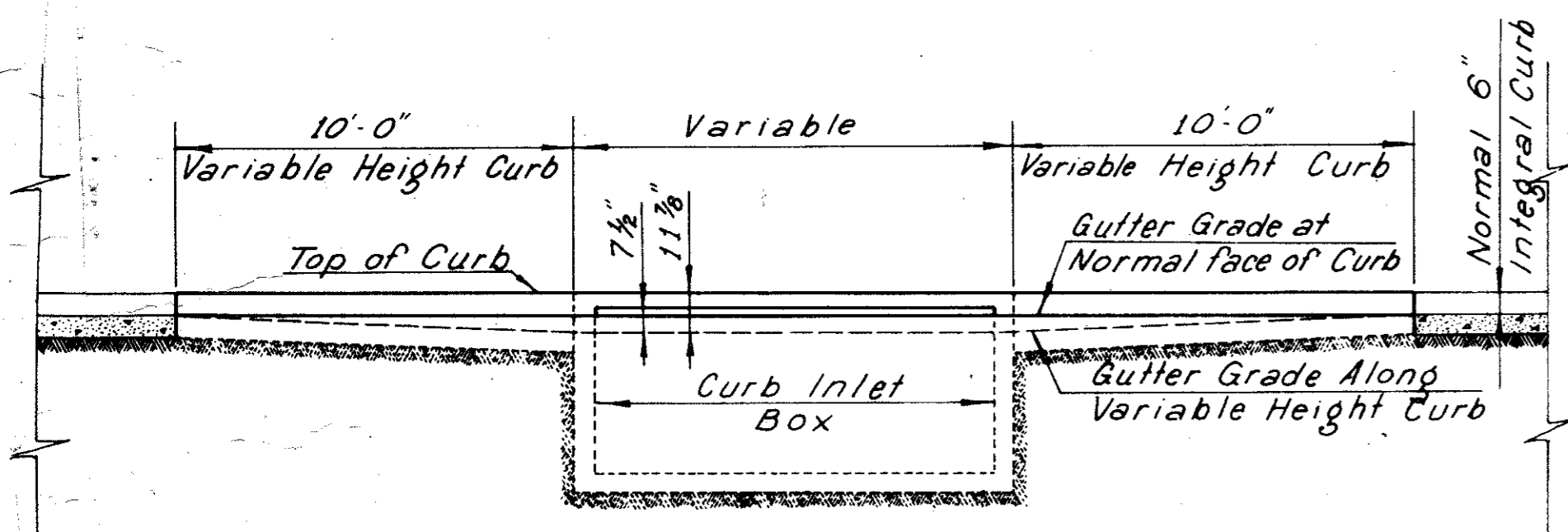
NOTES:
 Concrete shall have a minimum compressive of 3000 psi. at 28 days.
 Lateral pipe may enter inlet at any location.
 The 12" gutter in front of inlet is a part of the inlet and shall be built with the inlet.
 Top of inlet slope shall conform to adjacent parkway normal 1/4" ft. slope.

CITY OF ADAMS
COUNTY OF DALWORTH
 DEPARTMENT OF PUBLIC WORKS
STANDARD CURB AND GUTTER BELT LINE
 GINN, INC.

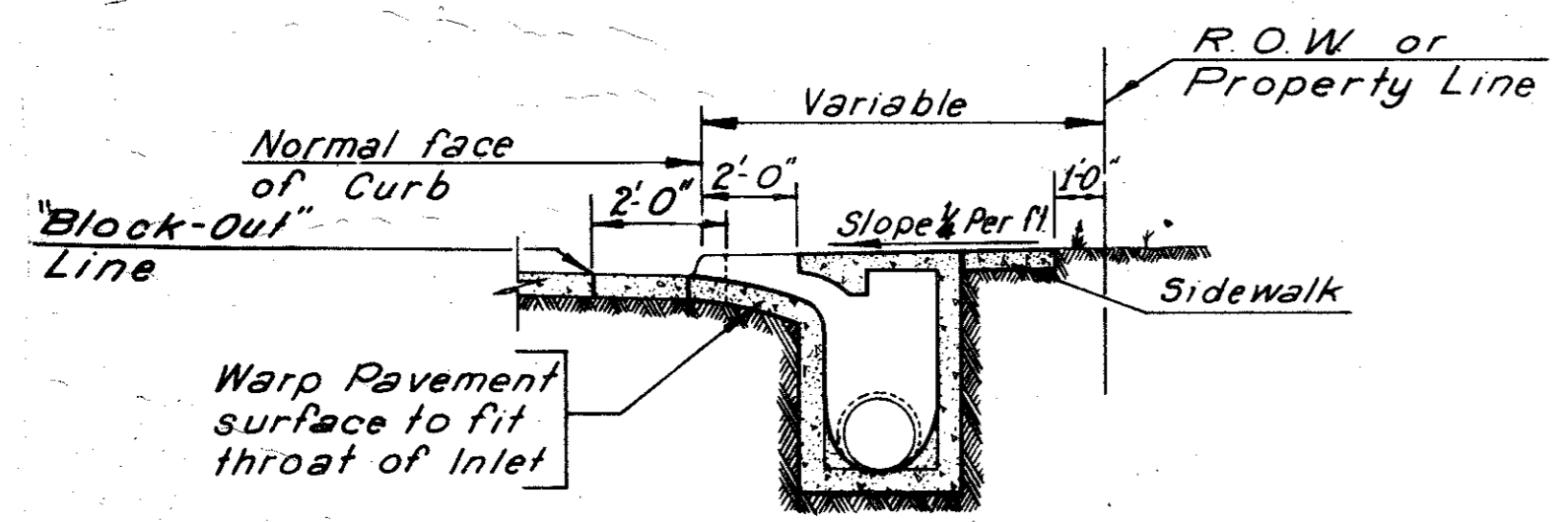


PLAN

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



ELEVATION



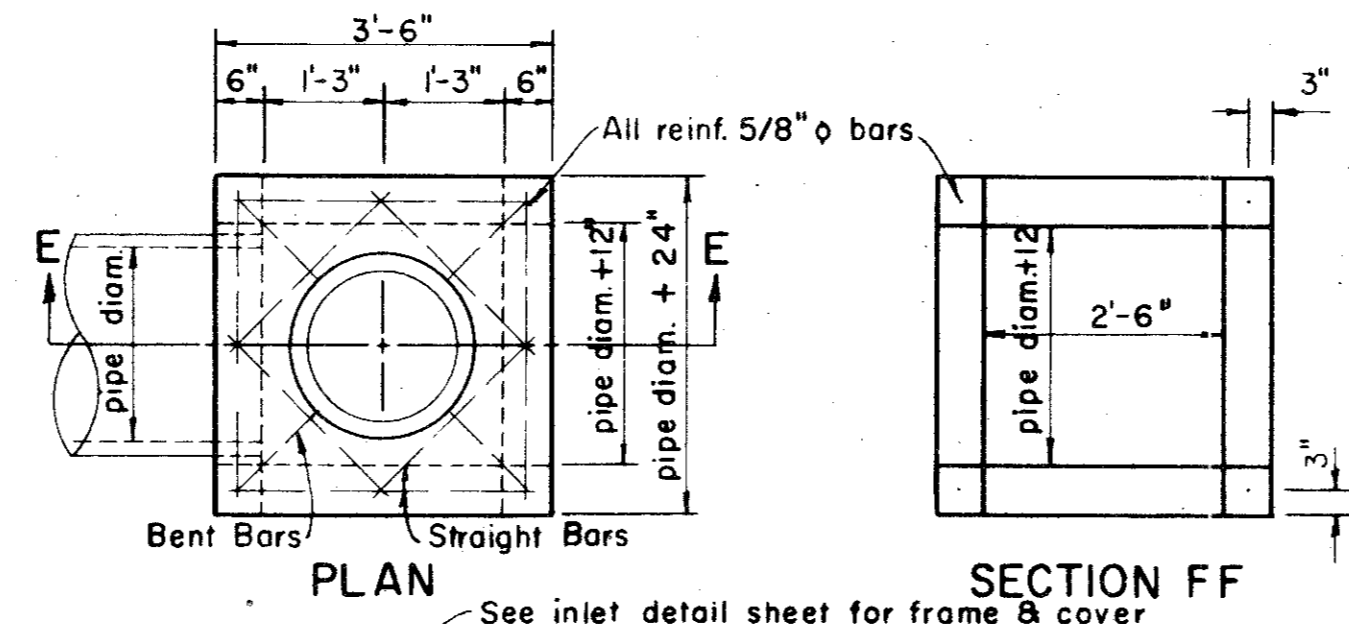
SECTION A-A

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

RECESSED STORM SEWER CURB INLET

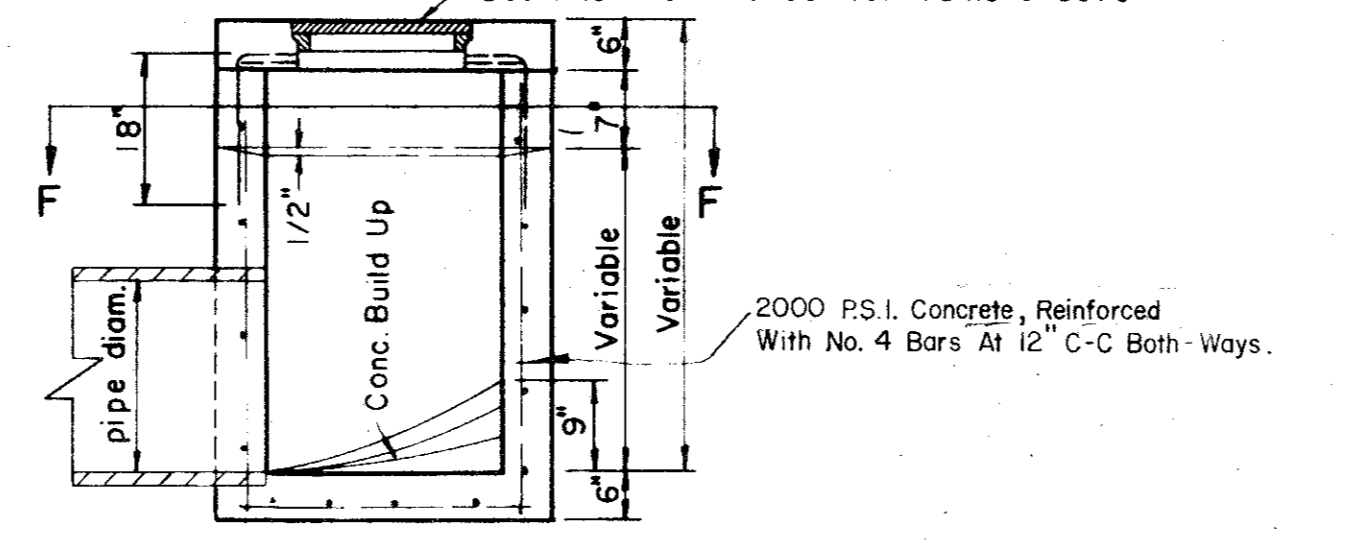
SCALE: 1/4" = 1'-0"

"Y" TYPE INLET



PLAN

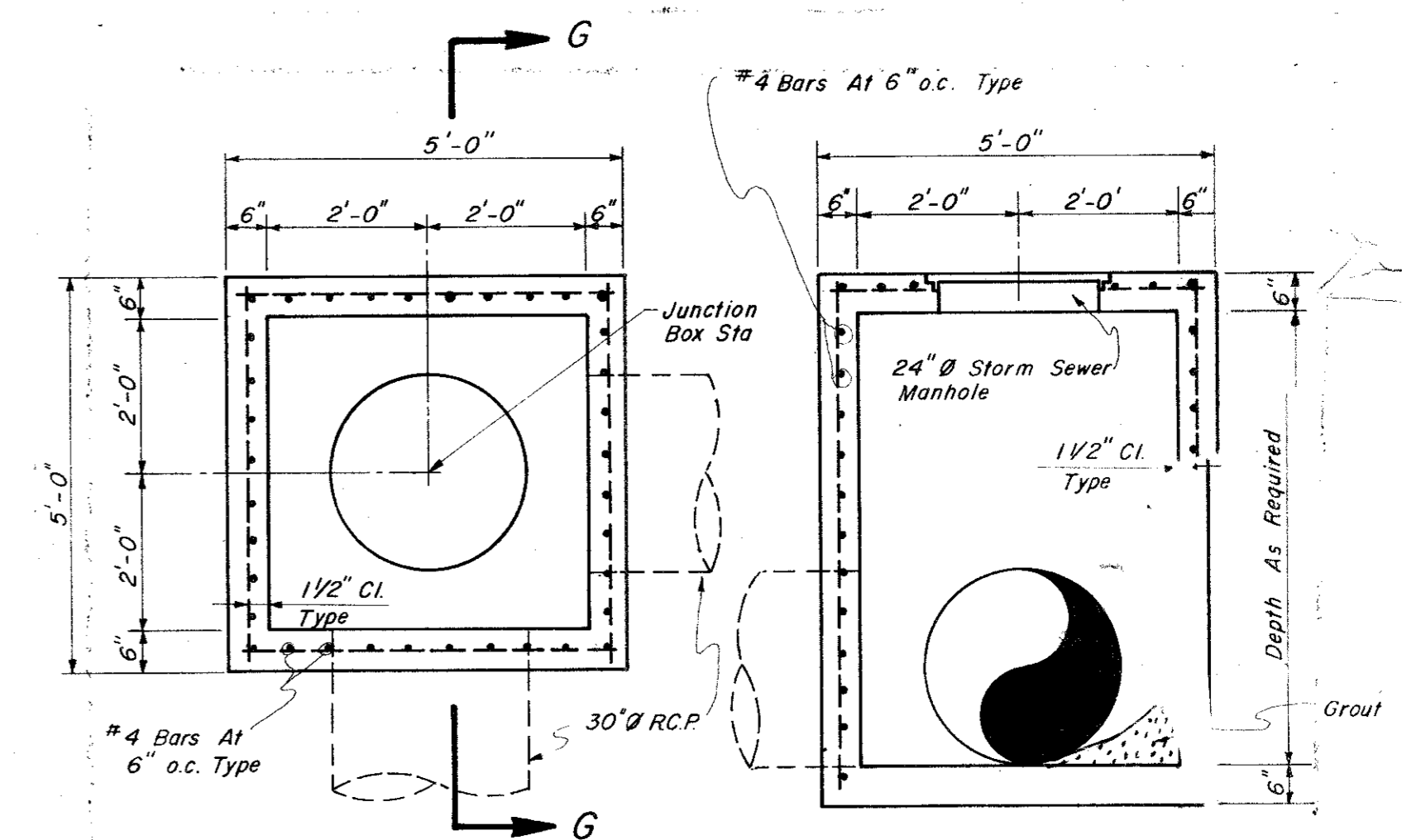
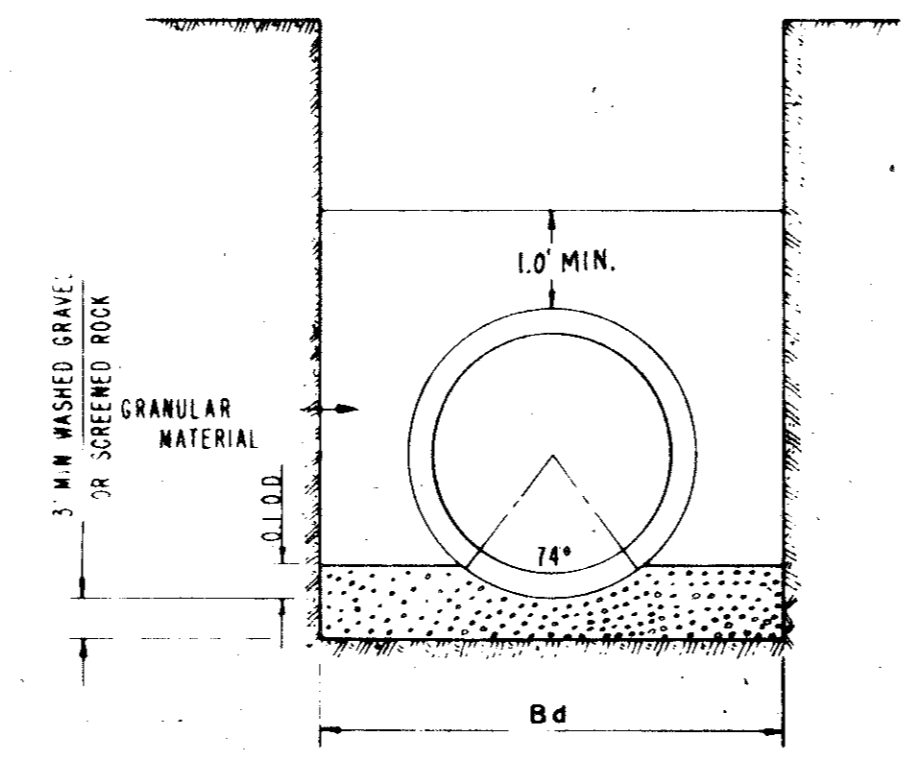
SECTION FF



SECTION EE

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

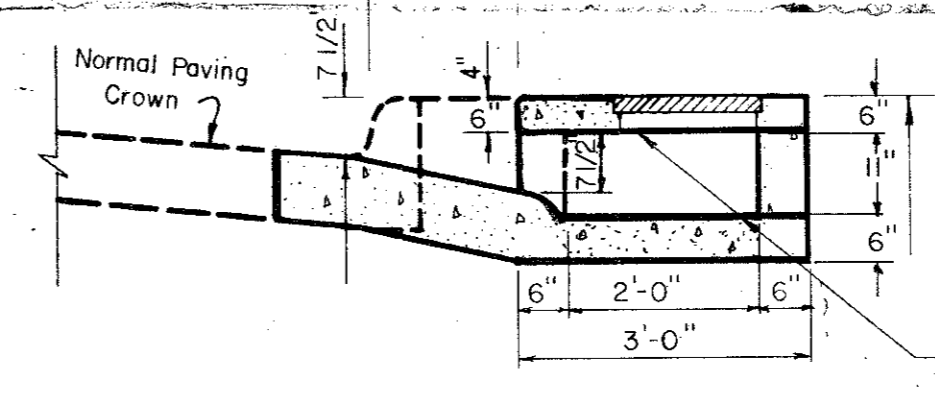
STORM SEWER EMBEDMENT



PLAN

SECTION "G-G"

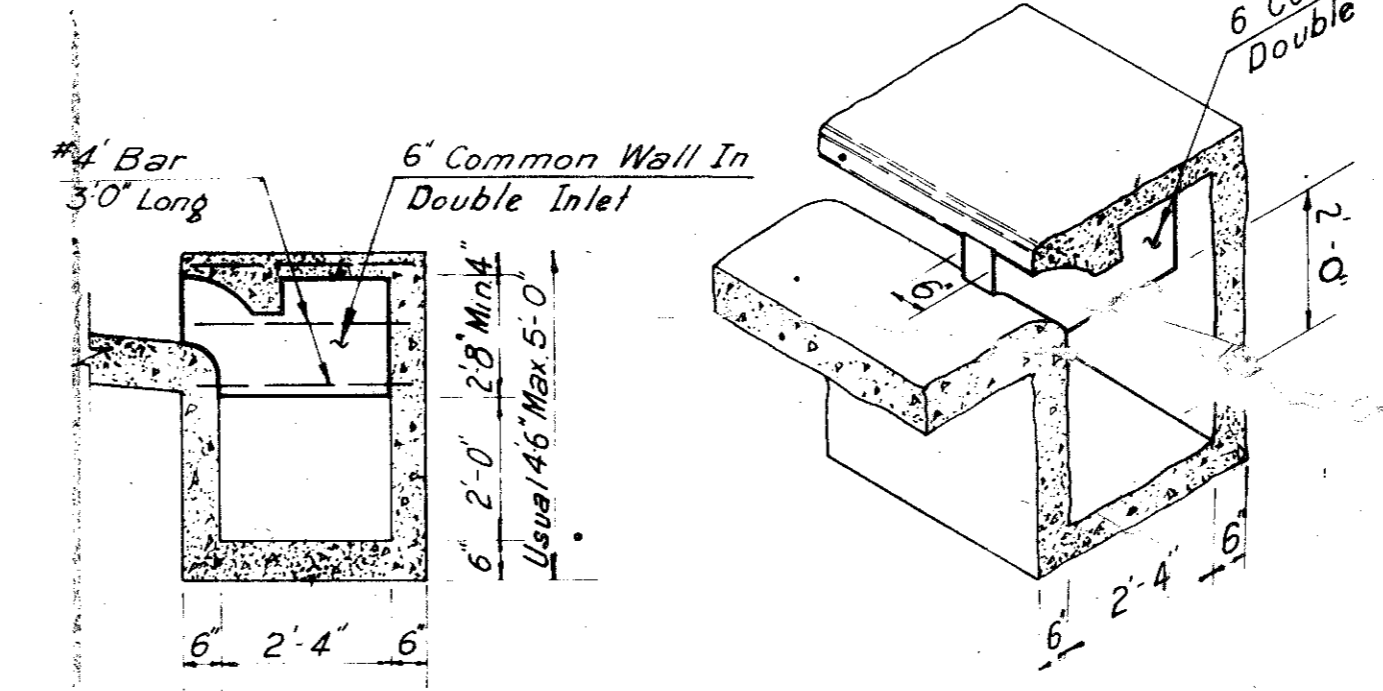
JUNCTION BOX
Scale: 1/2" = 1'-0"



SECTION A-A

6' MODIFIED RECESSED CURB INLET (DISCHARGE AT GRADE)

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



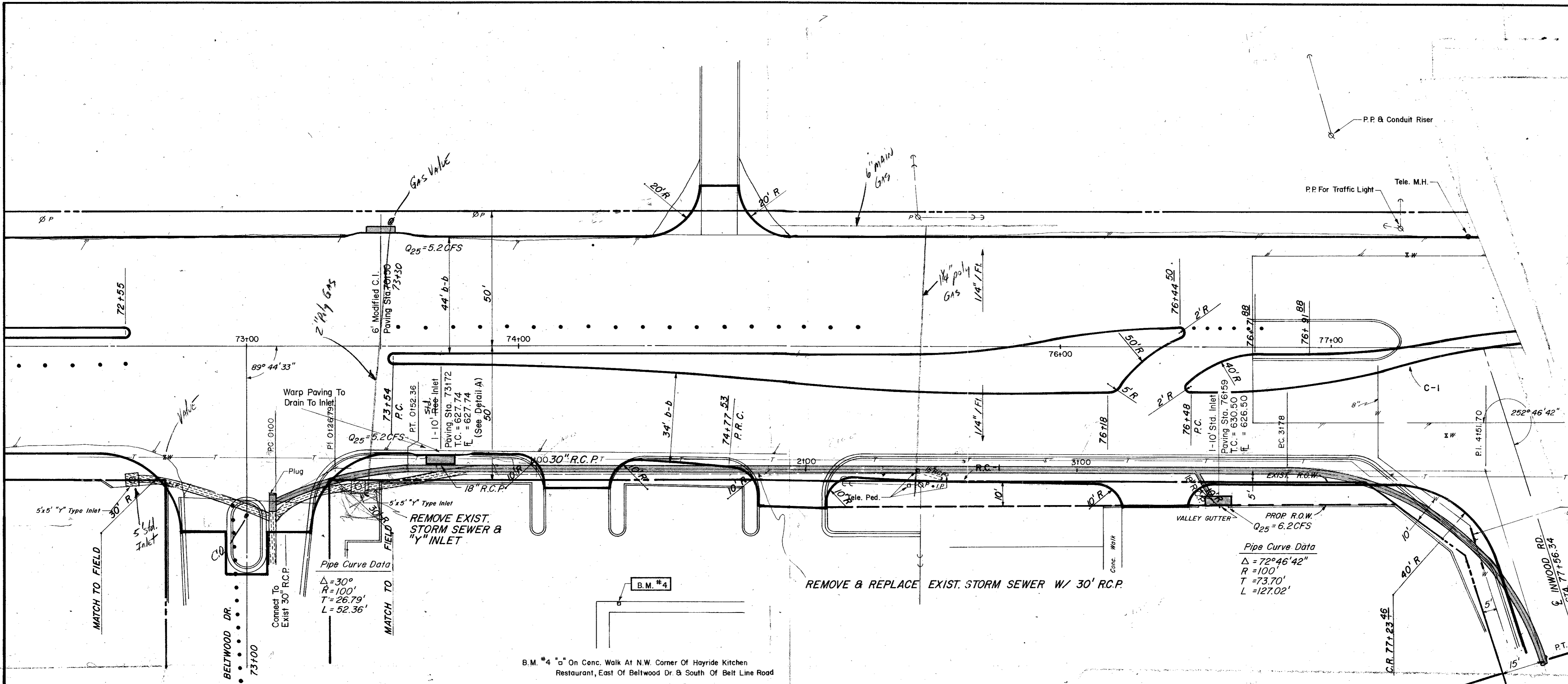
ELEVATION
Scale: 3/8" = 1'-0"

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

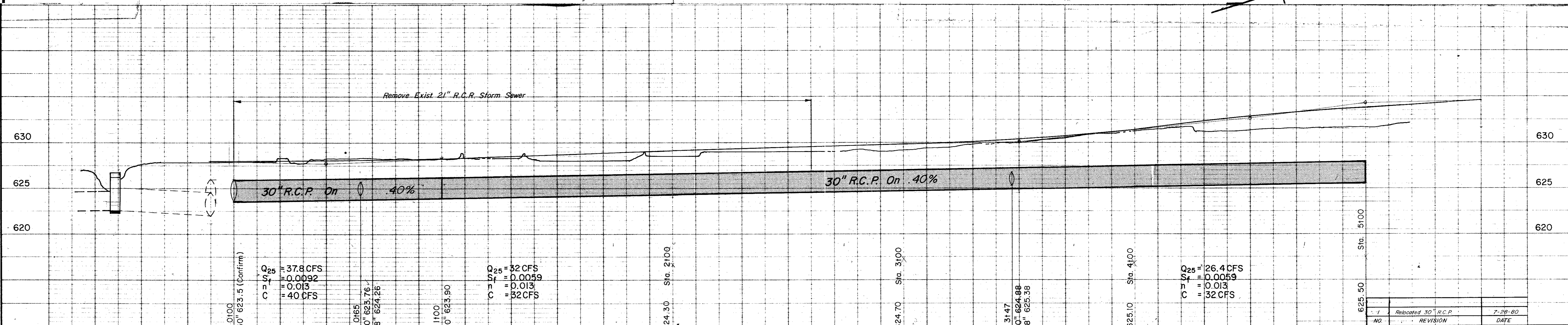
MULTIPLE CURB INLET (COMMON WALL)

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

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
452.2	15" R.C.P. C.I. III	L.F.	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



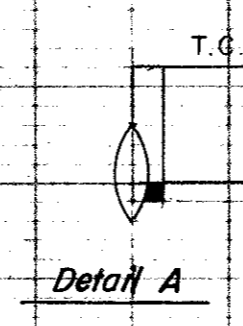
LEGEND	
□	Blank Mark
○	Iron Pipe
○	Manhole
⊙	Gas Meter
⊙	Gas Valve
⊙	Gas Line
⊙	Power Pole (Typical Pole Symbol)
⊙	Power Line
⊙	Guy Wire Anchor
⊙	Telephone Line
⊙	Water Meter
⊙	Water Valve
⊙	Water Line
⊙	Fire Hydrant
⊙	Manhole
⊙	Sanitary Sewer Line
⊙	Fence Line
⊙	Flow Direction Indicator
⊙	Property or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

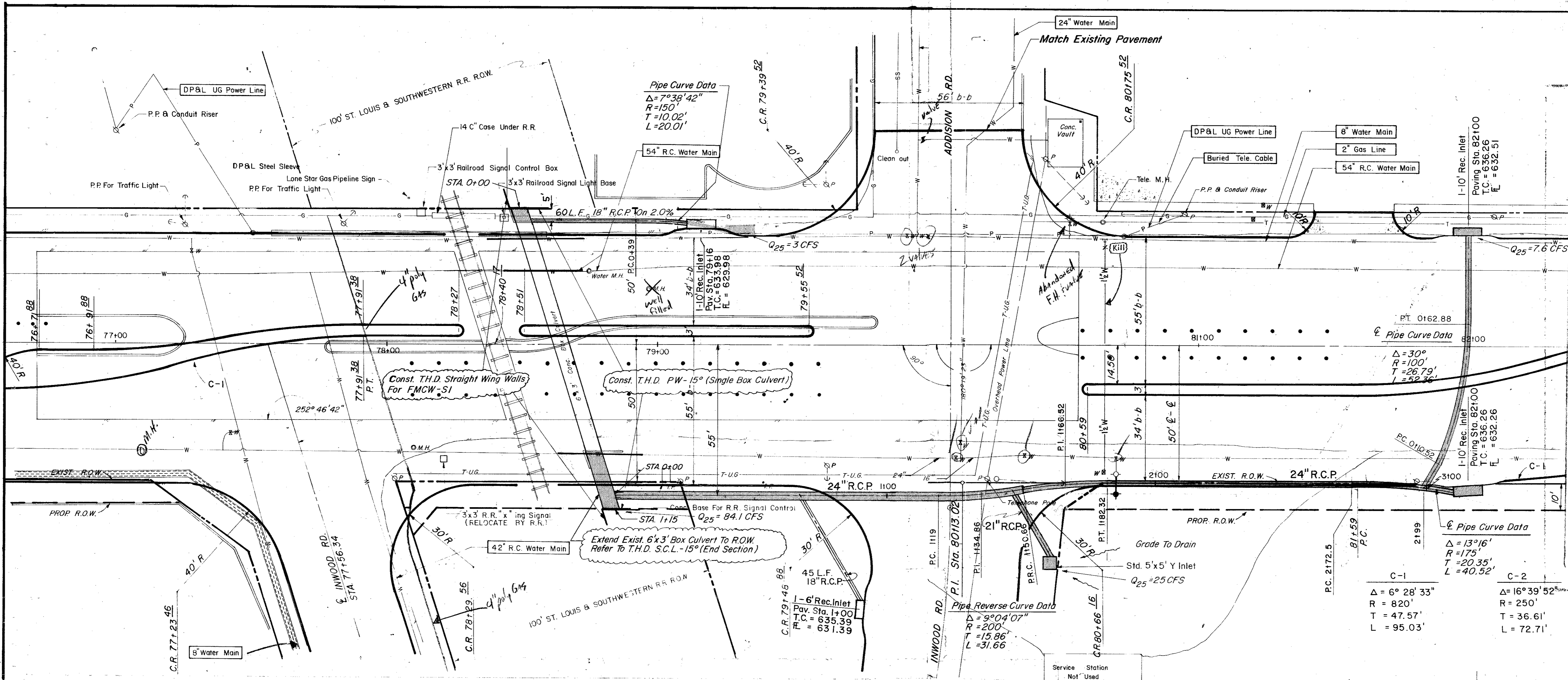


CITY OF ADDISON
COUNTY OF DALLAS, TEXAS
 DEPARTMENT OF PUBLIC WORKS

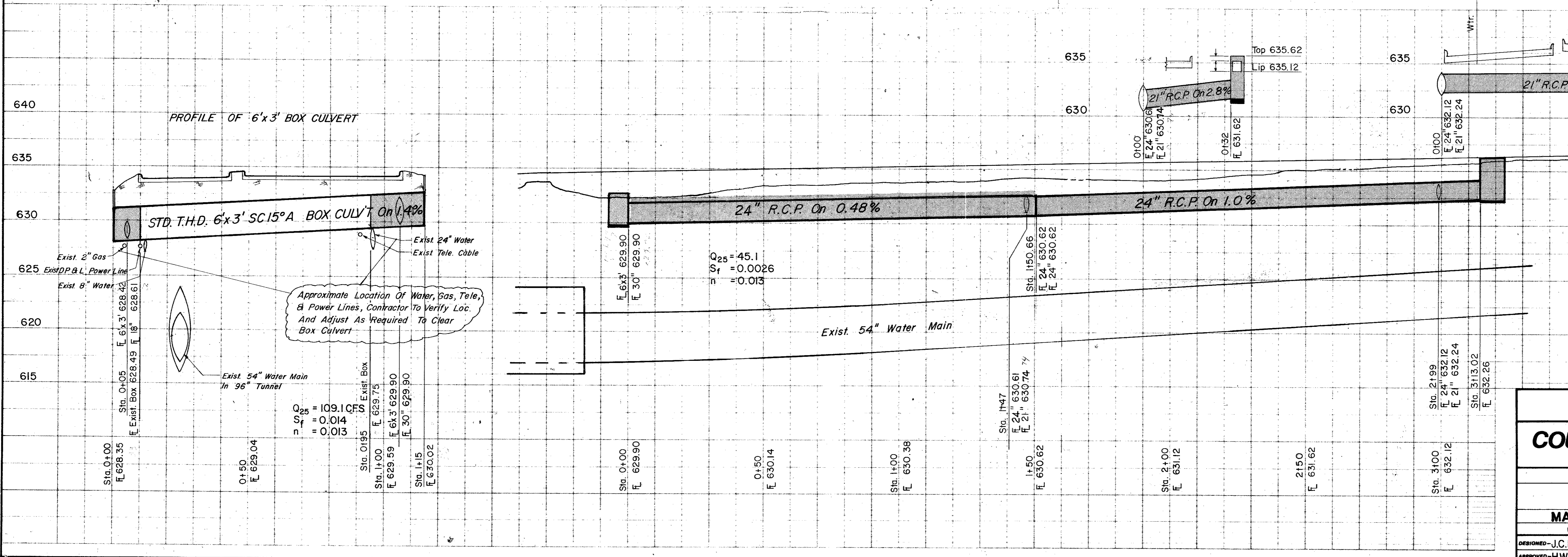
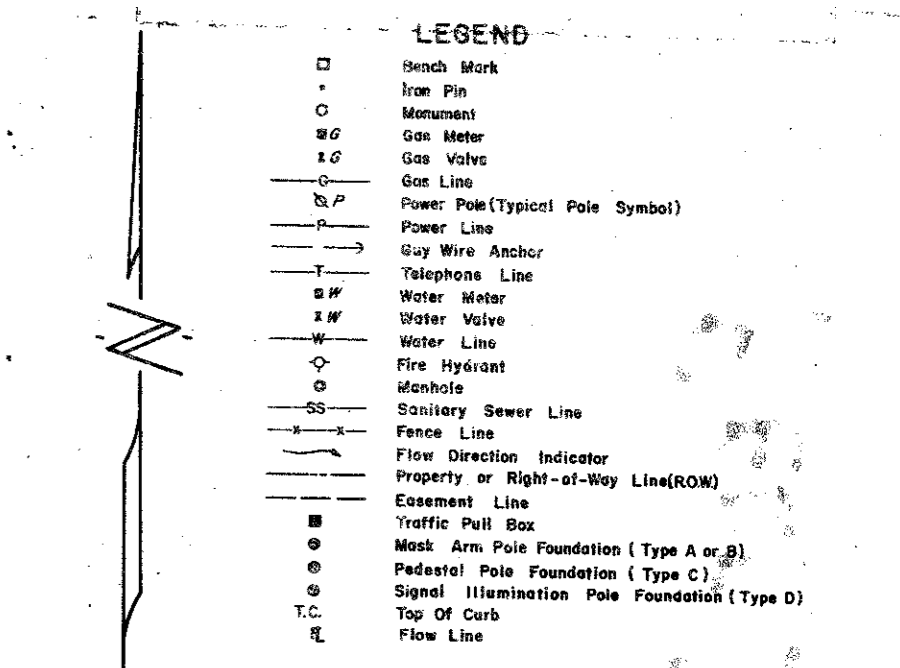
DRAINAGE STA. 72100 - 78100
BELT LINE ROAD
MARSH LN. TO NORTH DALLAS PKWY.
GINN, INC., CONSULTING ENGINEERS

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" R.C.P. CI III	LF	73.0
465.2	21" R.C.P. CI III	LF	39.0
465.3	24" R.C.P. CI III	LF	165.0
465.4	30" R.C.P. CI III	LF	149.0
	Std 5'x5' Y Inlet	EA	1.0



NO.	REVISION	DATE
1	Relocated Str. 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