

B2-15

CITIES OF ADDISON AND FARMERS BRANCH DALLAS COUNTY, TEXAS

CONSTRUCTION PLANS FOR: SPRING VALLEY ROAD

MARSH LANE TO MIDWAY ROAD
PROJECT LENGTH = 5132 FT.

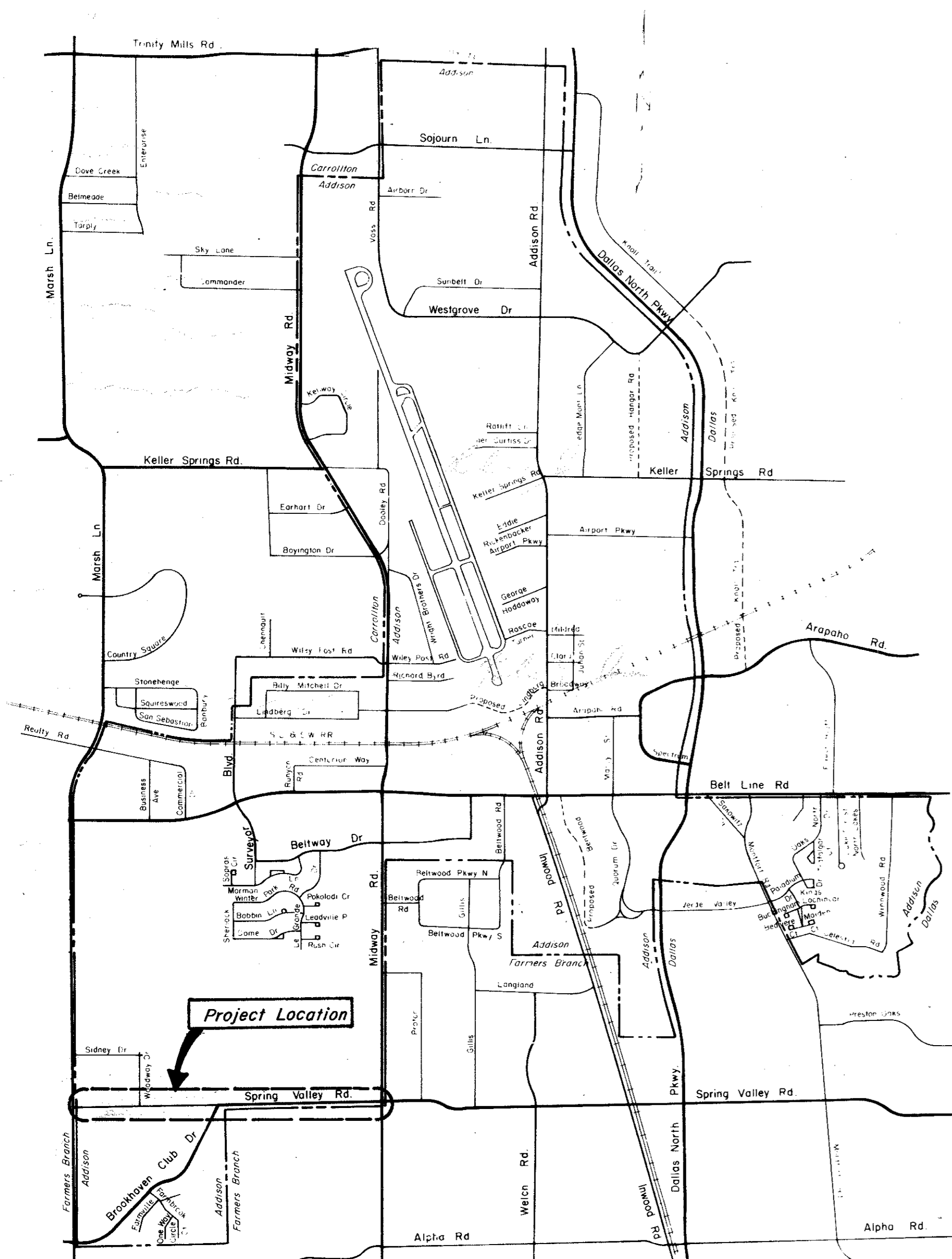
CITY OF FARMERS BRANCH

JOHN DODD - MAYOR
CAROL DINGMAN - MAYOR PRO-TEM
FRED JOHNSON
HERB WEIDINGER
BILL GLANCY
DAVE BLAIR

CITY OF ADDISON

JERRY J. REDDING - MAYOR
COUNCIL MEMBERS:
JOHN B. ALLEN
RICHARD RODER
WILLIAM F. SELLMAYER
BARRY FINKELSTEIN
STEWART BEATTY

GEORGE DOWLING, P.E. - DIRECTOR of
COMMUNITY DEVELOPMENT



GINN INC.
CONSULTING ENGINEERS
DALLAS, TEXAS
1982

CITY OF FARMERS BRANCH
Approved By: _____
Mayor

DATE: _____

PRELIMINARY 11/18/82
NOT FOR CONSTRUCTION

CITY OF ADDISON
Approved By: _____
Mayor

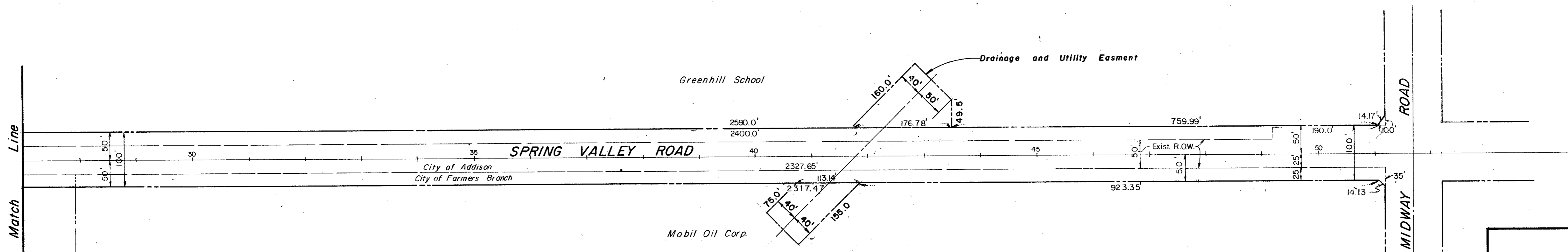
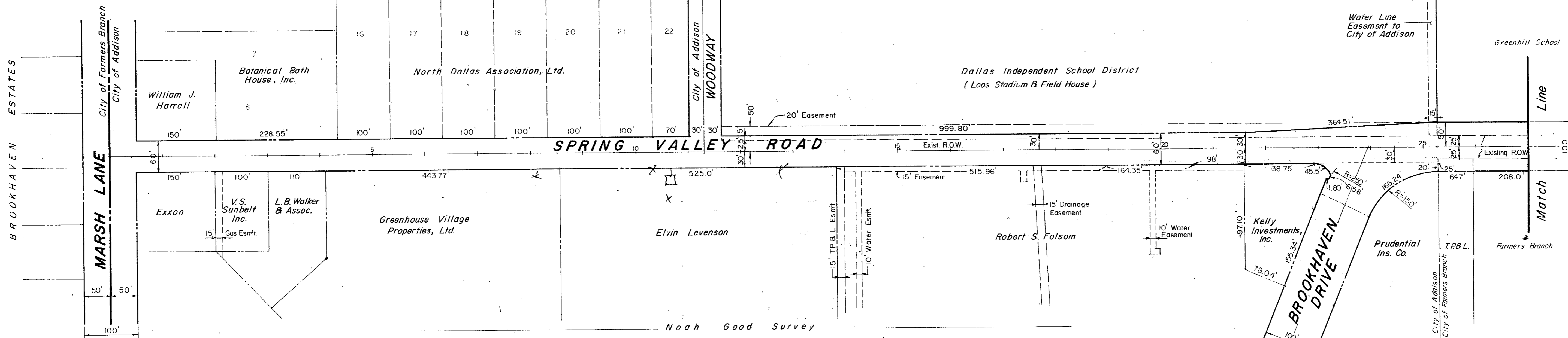
DATE: _____

B2-15

SPRING VALLEY Rd.

Thomas L. Chenoweth Survey

NOELL ACRES UNRECORDED



CITY OF ADDISON
DALLAS COUNTY, TEXAS
SPRING VALLEY ROAD

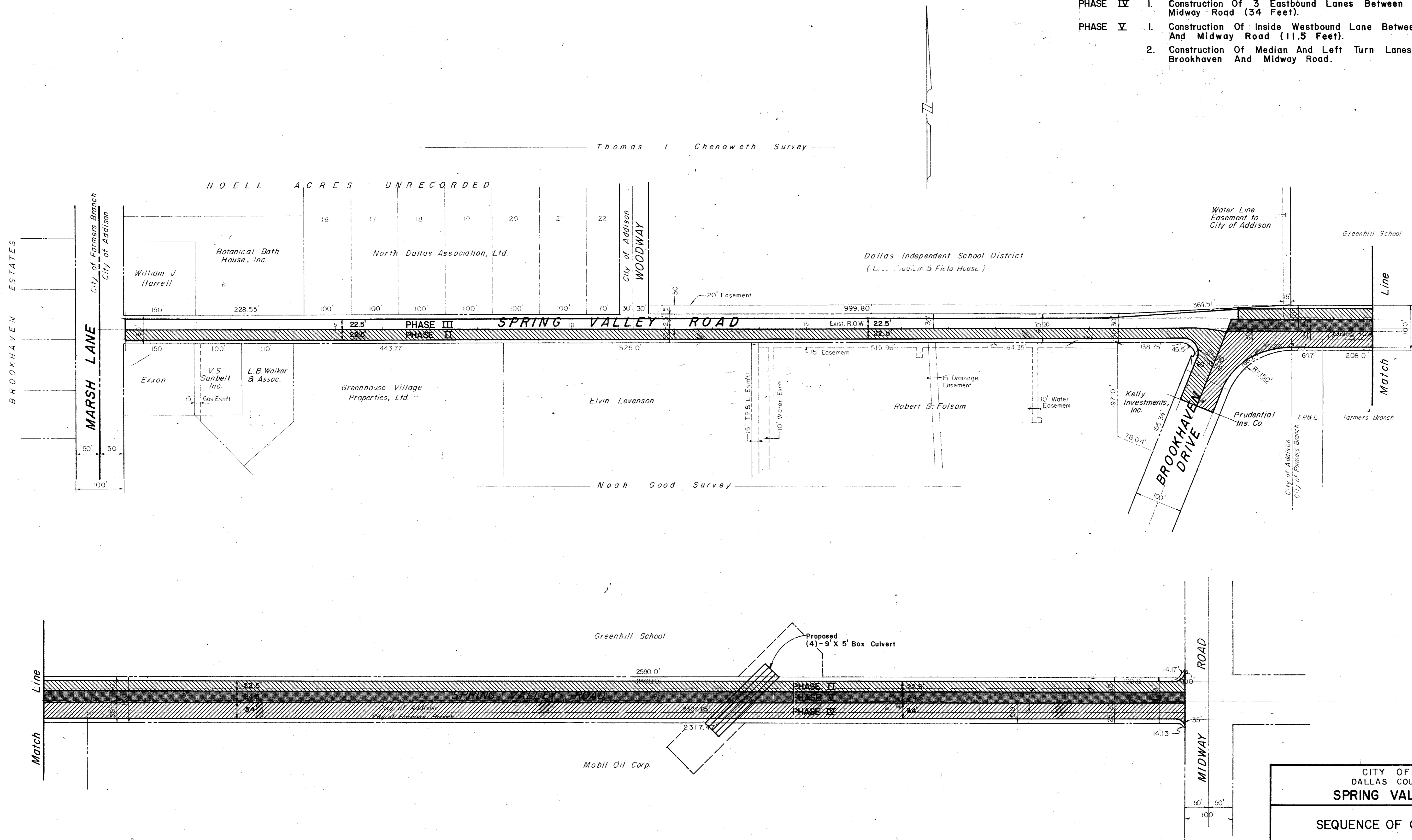
RIGHT-OF-WAY MAP

GINN, INC.
Consulting Engineers — Dallas, Texas

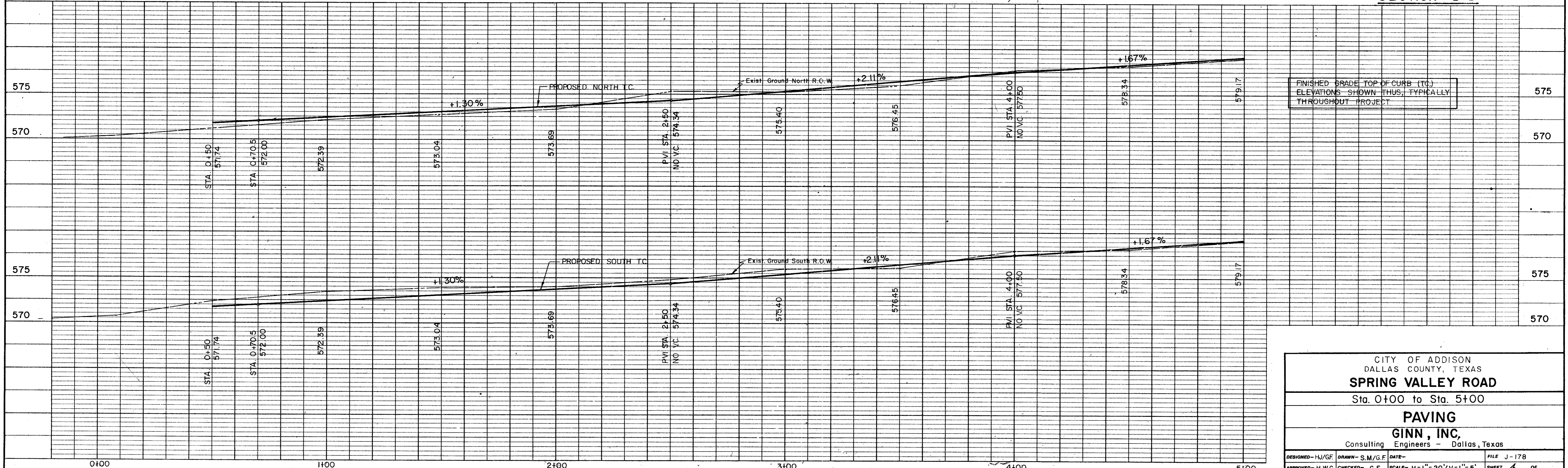
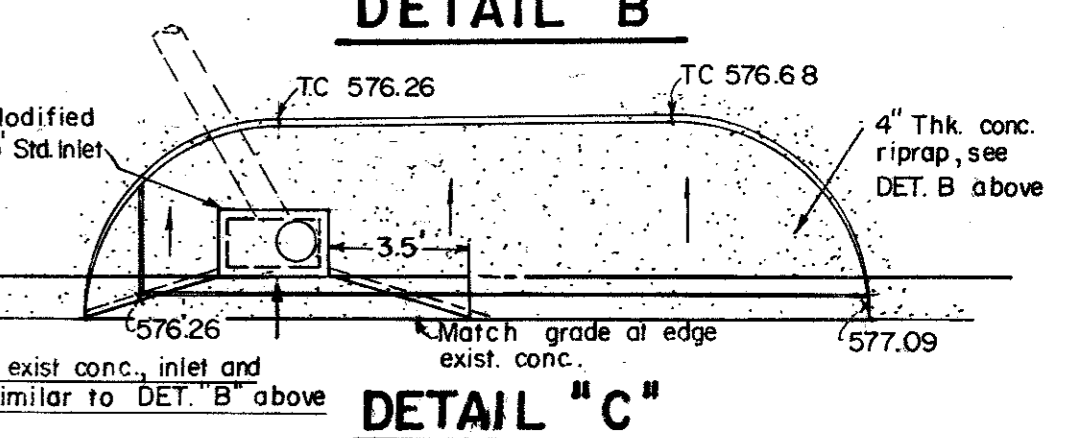
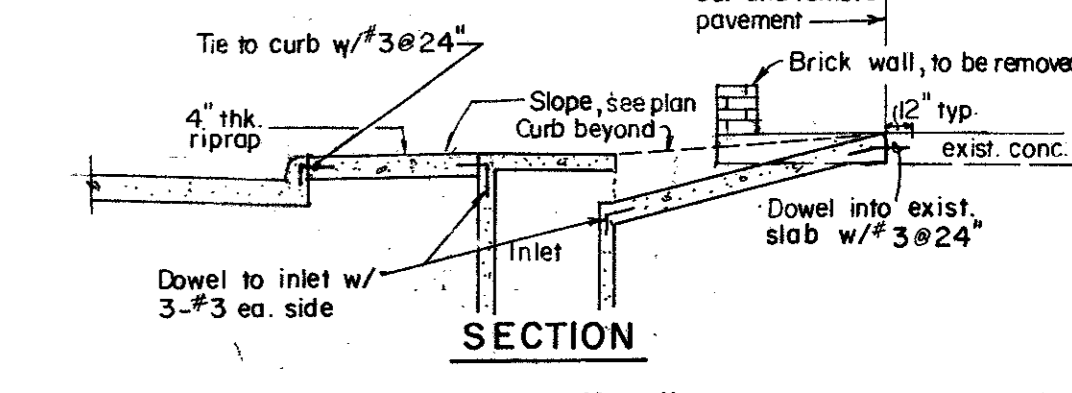
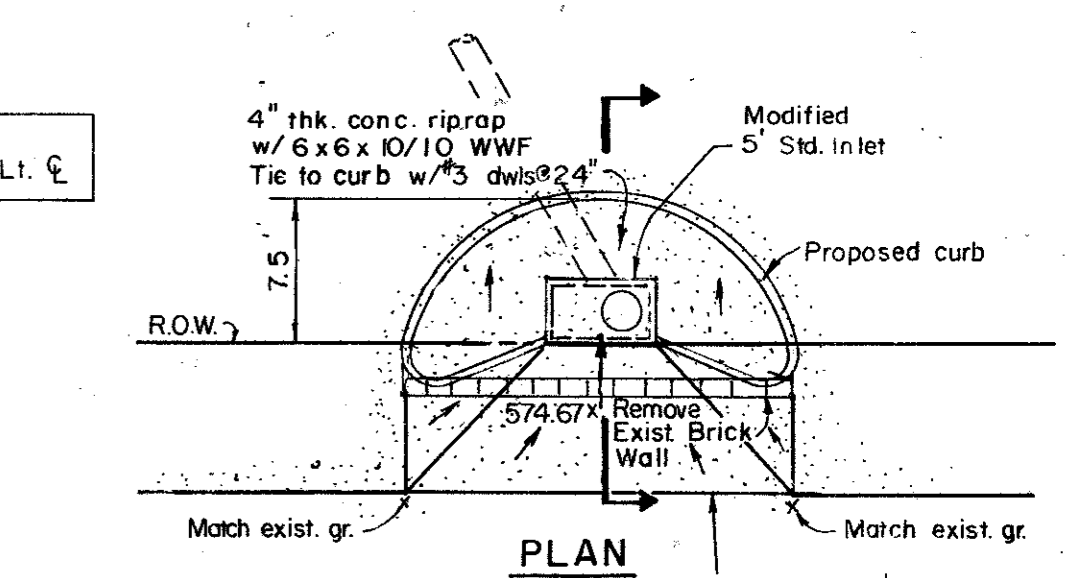
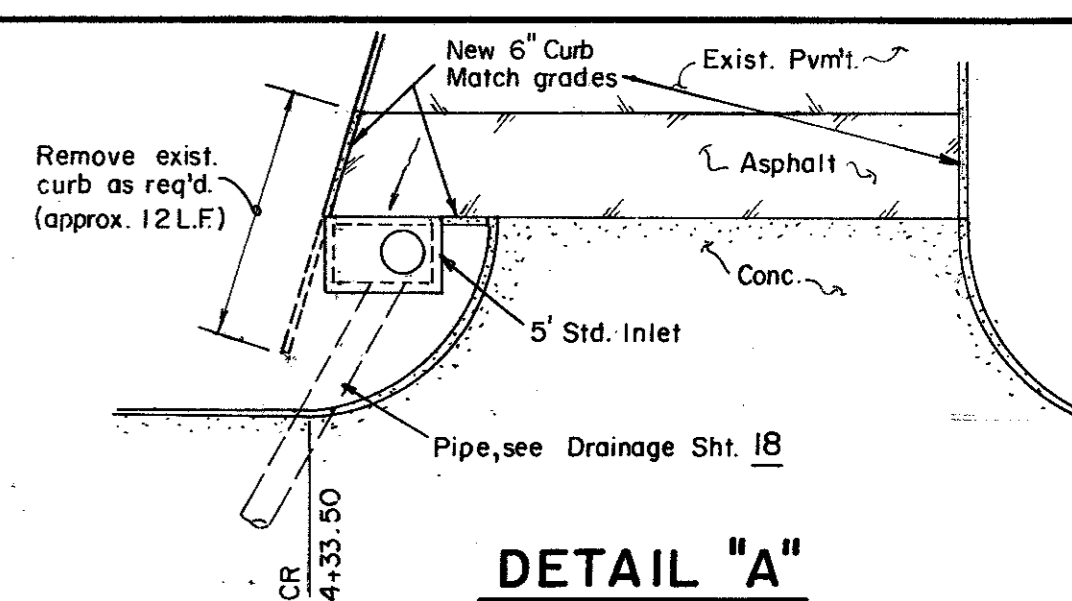
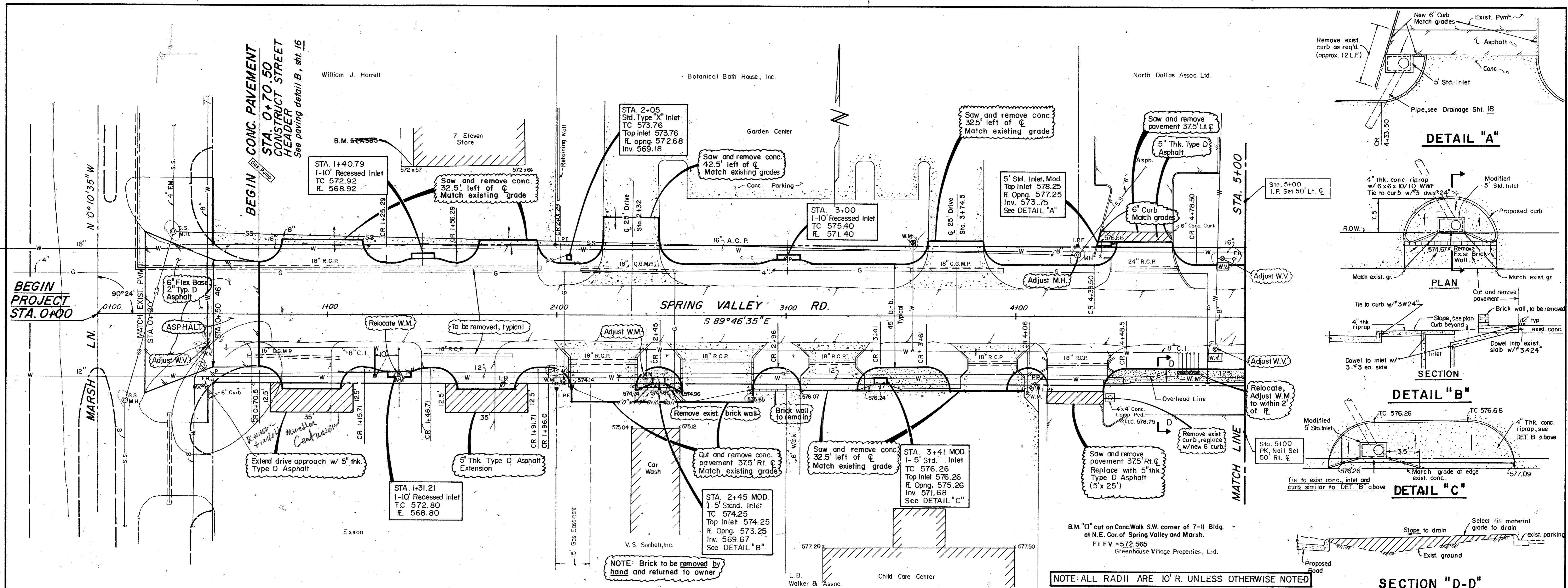
Designed-	Drawn- F.	Date-	Job No. J-178
Approved-	Checked-	Scale- 1"= 100'	Sheet 2 of

SEQUENCE OF CONSTRUCTION

- PHASE I
 1. Utility Relocating And Lowering.
 2. Construction Of All The Storm Sewer System Including The (4) - 9' X 5' Box Culvert At Station 41 + 80.
- PHASE II
 1. Construction Of 2 Eastbound Lanes Between Marsh Lane And Brookhaven (22.5 Feet).
 2. Construction Of Outside And Middle Westbound Lanes From Brookhaven To Midway Road (22.5 Feet).
- PHASE III
 1. Construction Of 2 Westbound Lanes Between Marsh Lane And Brookhaven (22.5 Feet).
- PHASE IV
 1. Construction Of 3 Eastbound Lanes Between Brookhaven And Midway Road (34 Feet).
- PHASE V
 1. Construction Of Inside Westbound Lane Between Brookhaven And Midway Road (11.5 Feet).
 2. Construction Of Median And Left Turn Lanes Between Brookhaven And Midway Road.



CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
SEQUENCE OF CONSTRUCTION			
GINN, INC. Consulting Engineers - Dallas, Texas			
Designed-	Drawn- F	Date-	Job No. J-178
Approved-	Checked-	Scale- 1" = 100'	Sheet 3 of

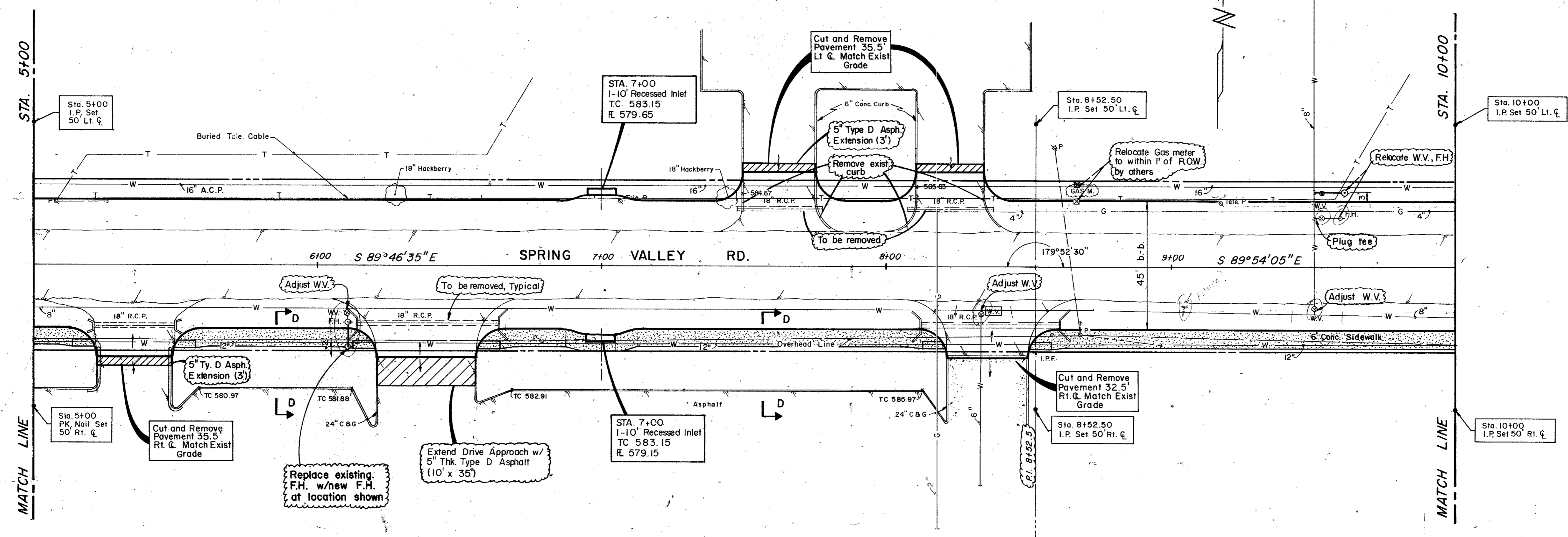


CITY OF ADDISON
 DALLAS COUNTY, TEXAS
SPRING VALLEY ROAD
 Sta. 0+00 to Sta. 5+00

PAVING
GINN, INC.
 Consulting Engineers - Dallas, Texas

DESIGNED - HJ/GF DRAWN - S.M./G.F. DATE - FILE J-178
 APPROVED - H.W.G. CHECKED - G.F. SCALE - H=1"=20' V=1"=5' SHEET 4 OF

North Dallas Assoc., Ltd.

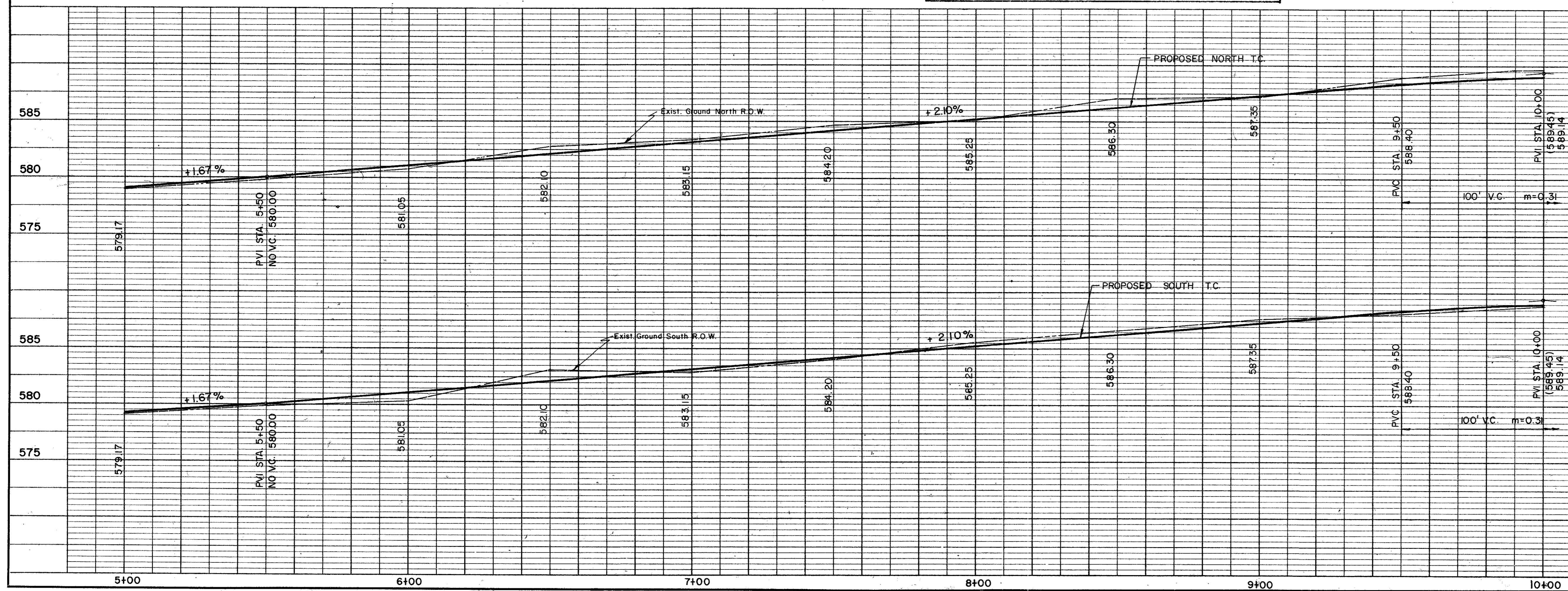


Greenhouse Village Properties, Ltd.

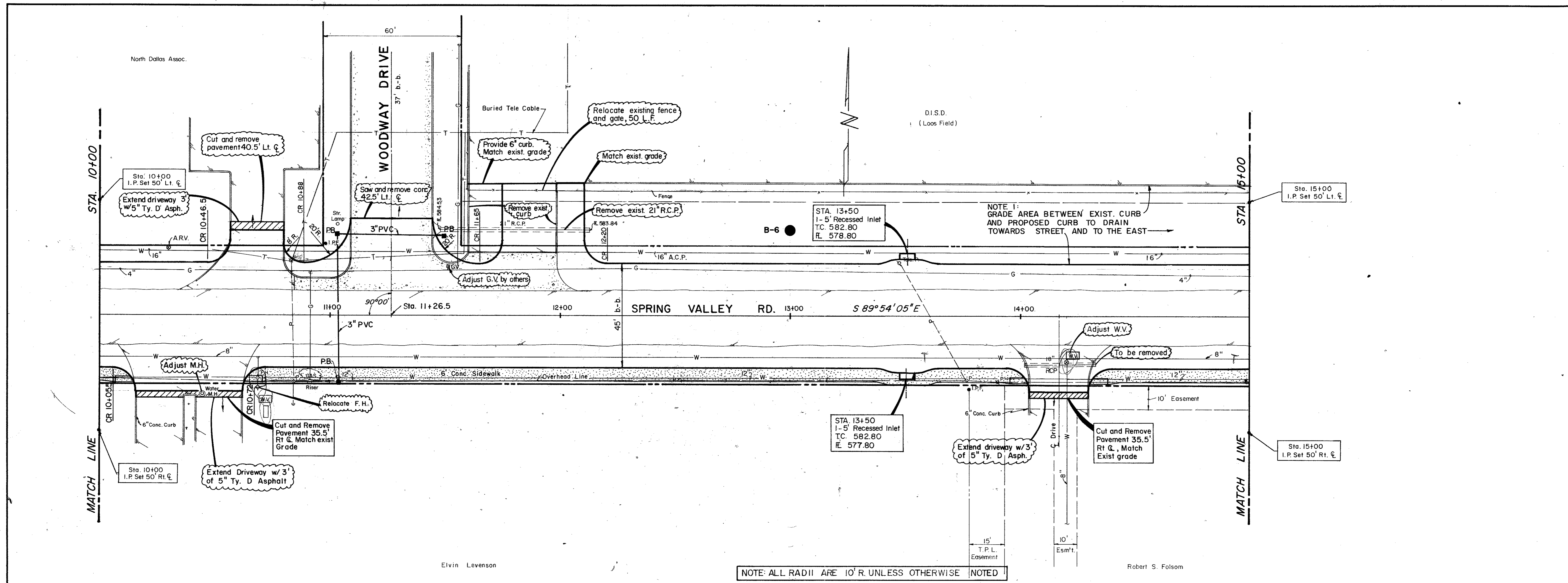
Elvin Levenson

FOR SECTION D-D, SEE SHT. 4

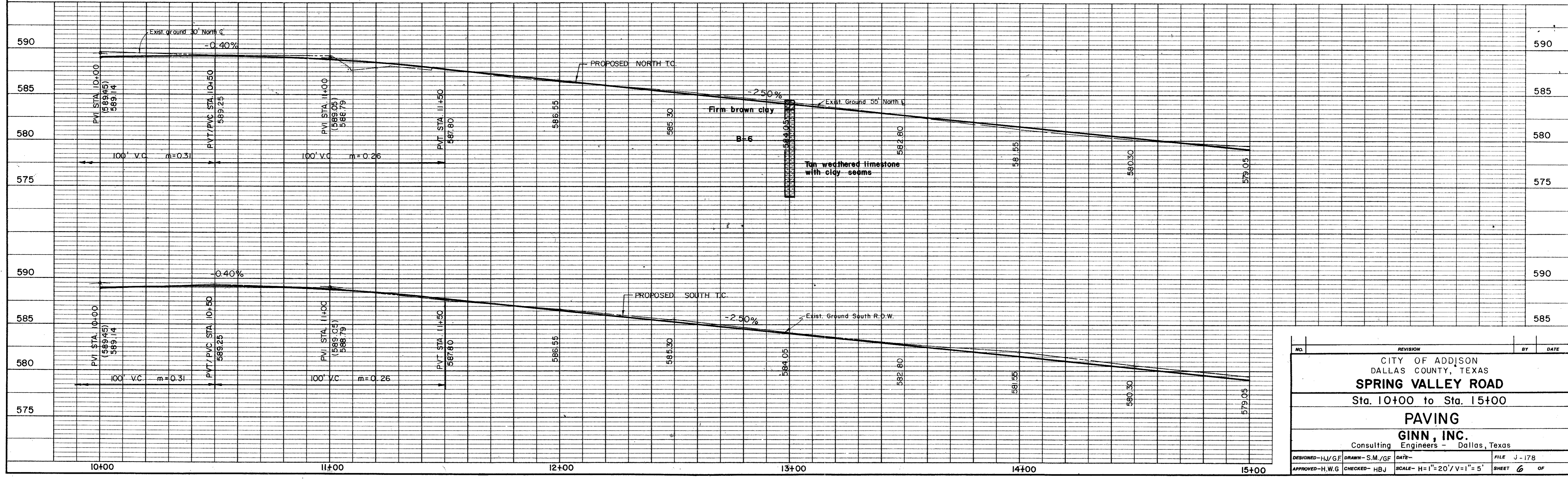
NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED



NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 5+00 to Sta. 10+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas			
DESIGNED - H.J.F.	DRAWN - S.M/G.F.	DATE -	FILE J - 178
APPROVED - H.W.G.	CHECKED - G.F.	SCALE - H=1"=20' V=1"=5'	SHEET 5 OF

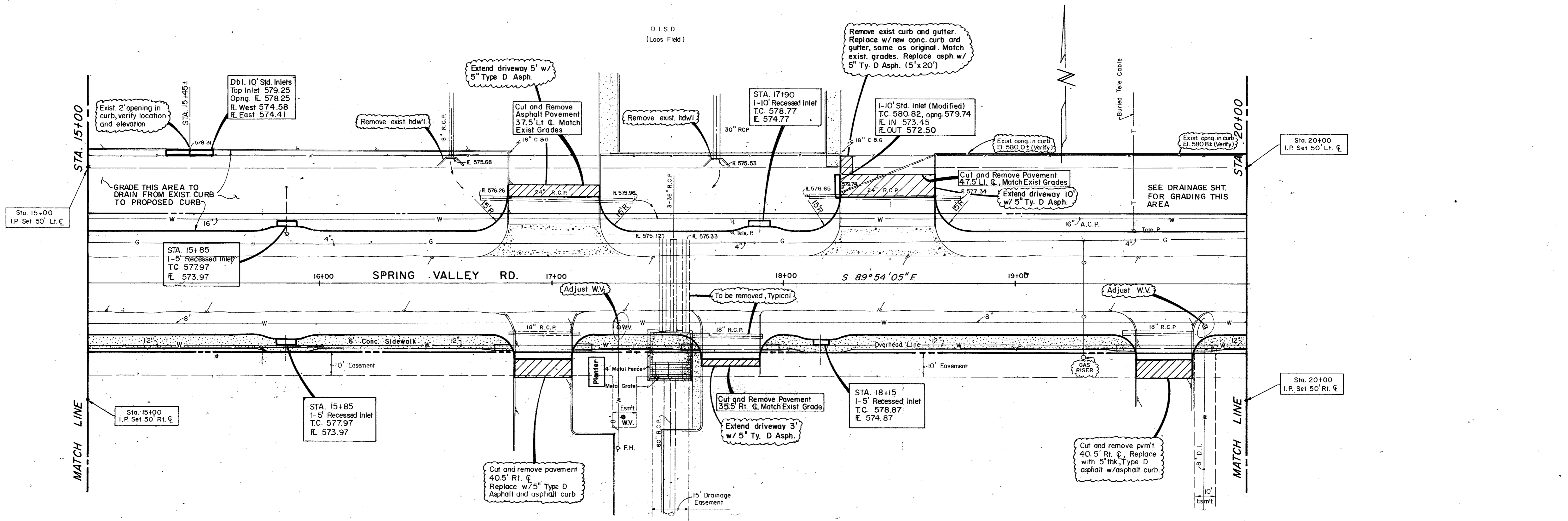


NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED



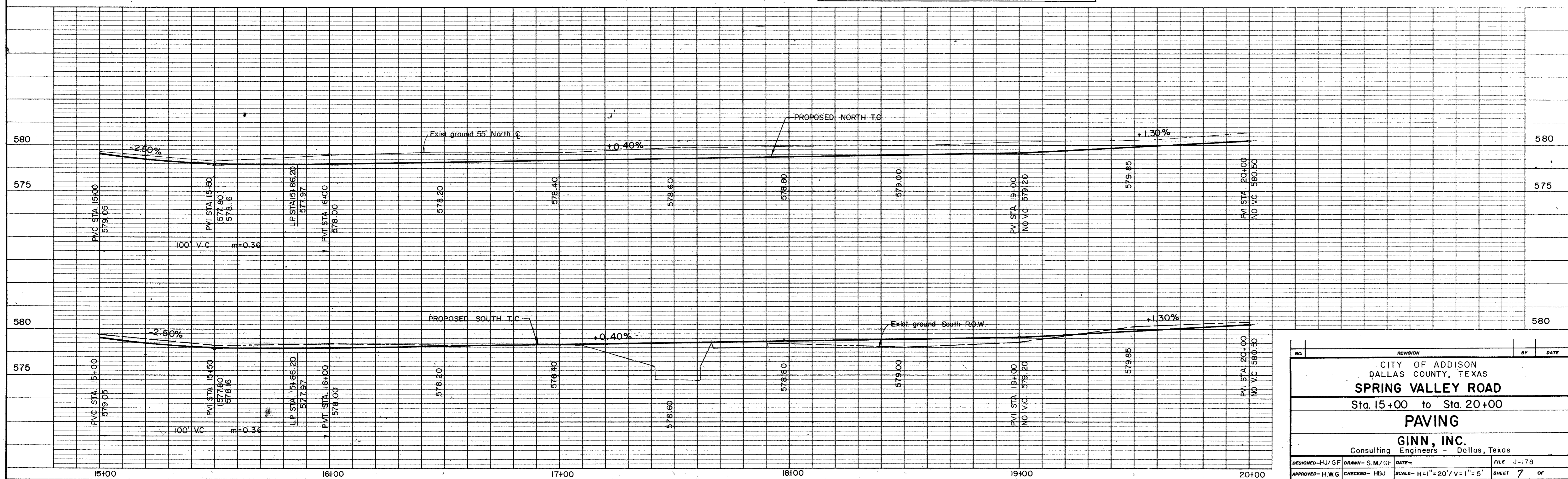
NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 10+00 to Sta. 15+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas			
DESIGNED-H.J./G.F.	DRAWN-S.M./G.F.	DATE-	FILE J-178
APPROVED-H.W.G.	CHECKED-H.B.J.	SCALE-H=1"=20'/V=1"=5'	SHEET 6 OF

D.I.S.D.
(Loos Field)

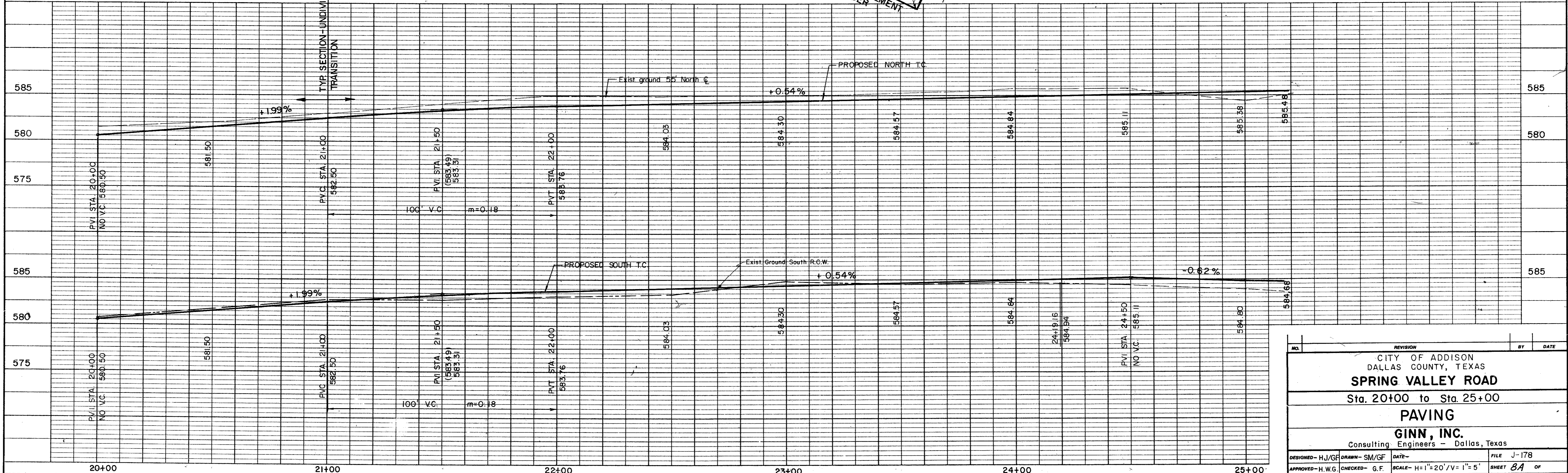
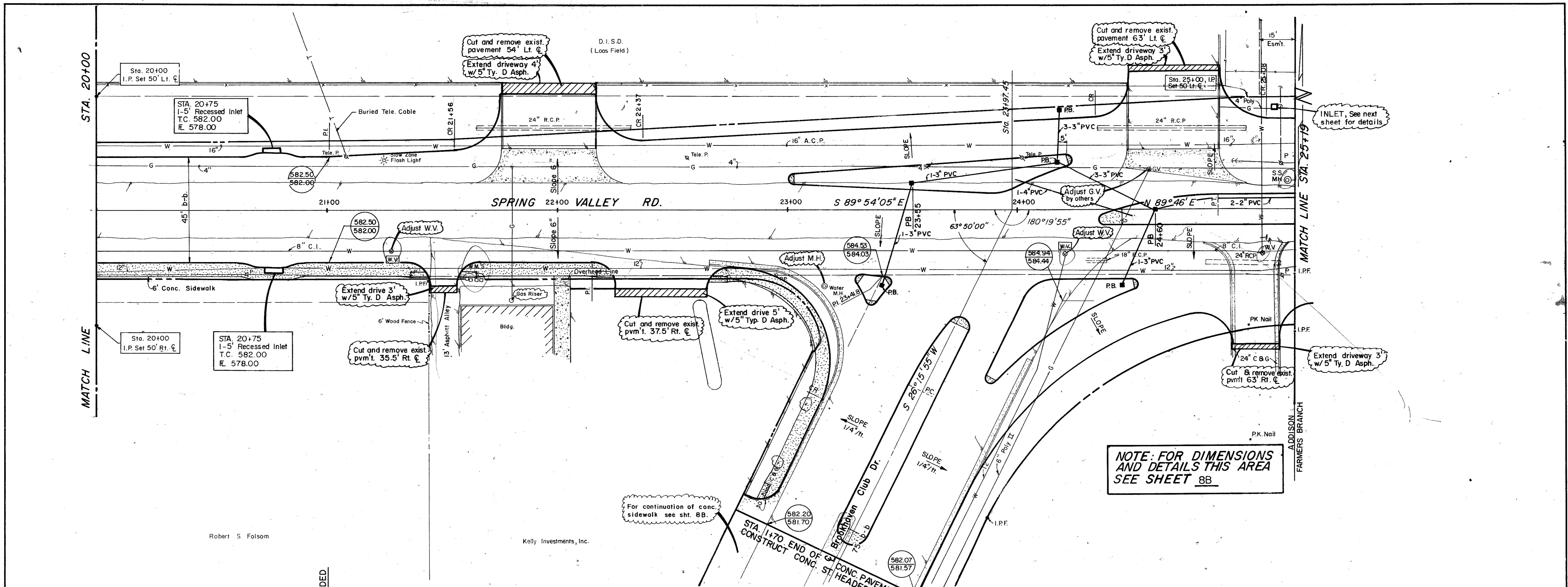


Robert S. Folsom

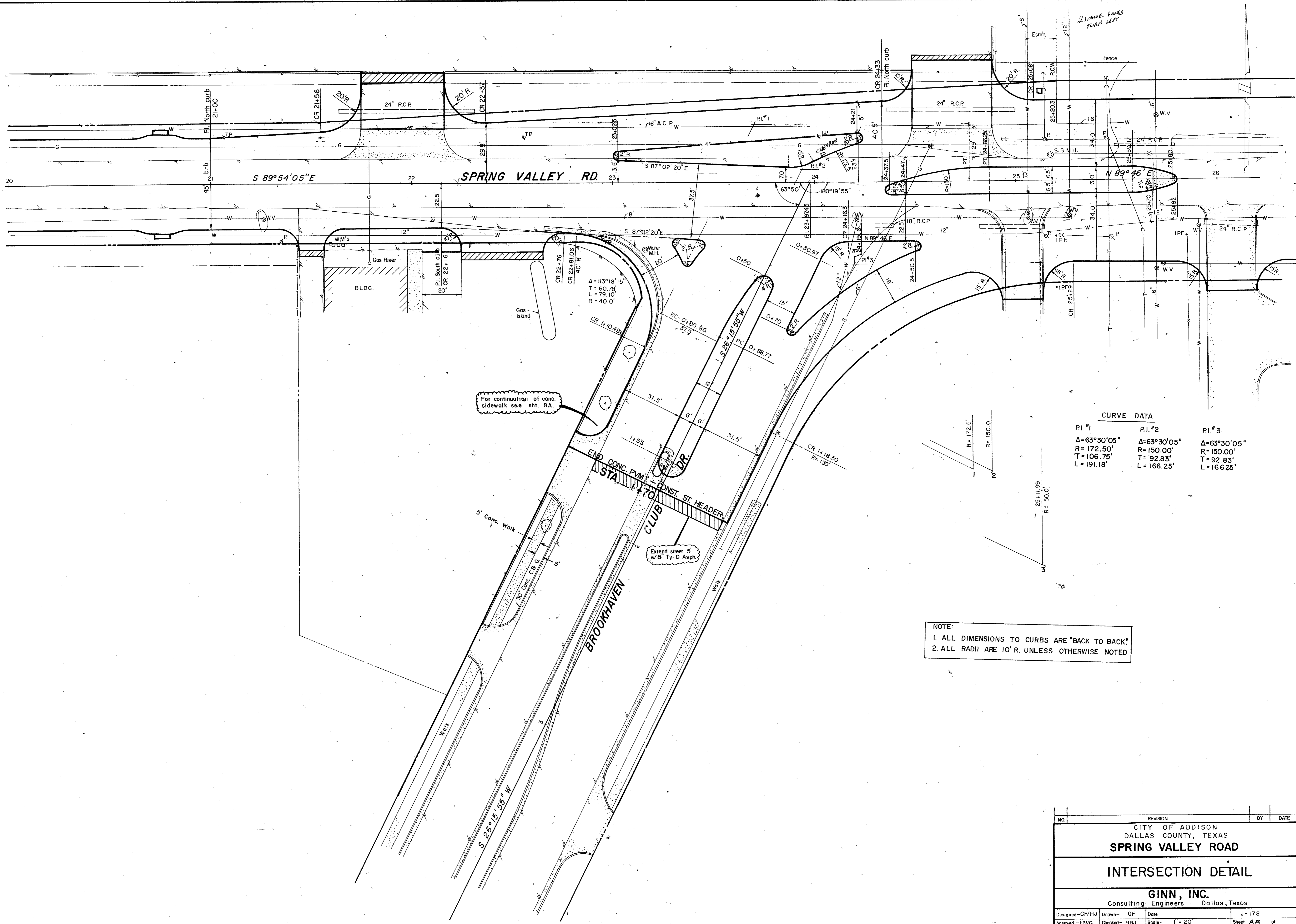
NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED



NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 15+00 to Sta. 20+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas			
DESIGNED-HJ/GF	DRAWN-S.M./GF	DATE-	FILE J-178
APPROVED-H.W.G.	CHECKED-HBJ	SCALE-H=1"=20'/V=1"=5'	SHEET 7 OF



NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS			
SPRING VALLEY ROAD			
Sta. 20+00 to Sta. 25+00			
PAVING			
GINN, INC.			
Consulting Engineers - Dallas, Texas			
DESIGNED - H.J./G.F.	DRAWN - SM/G.F.	DATE -	FILE J-178
APPROVED - H.W.G.	CHECKED - G.F.	SCALE - H=1"=20'/V=1"=5'	SHEET 8A OF



2. INSIDE LANE TURN LEFT

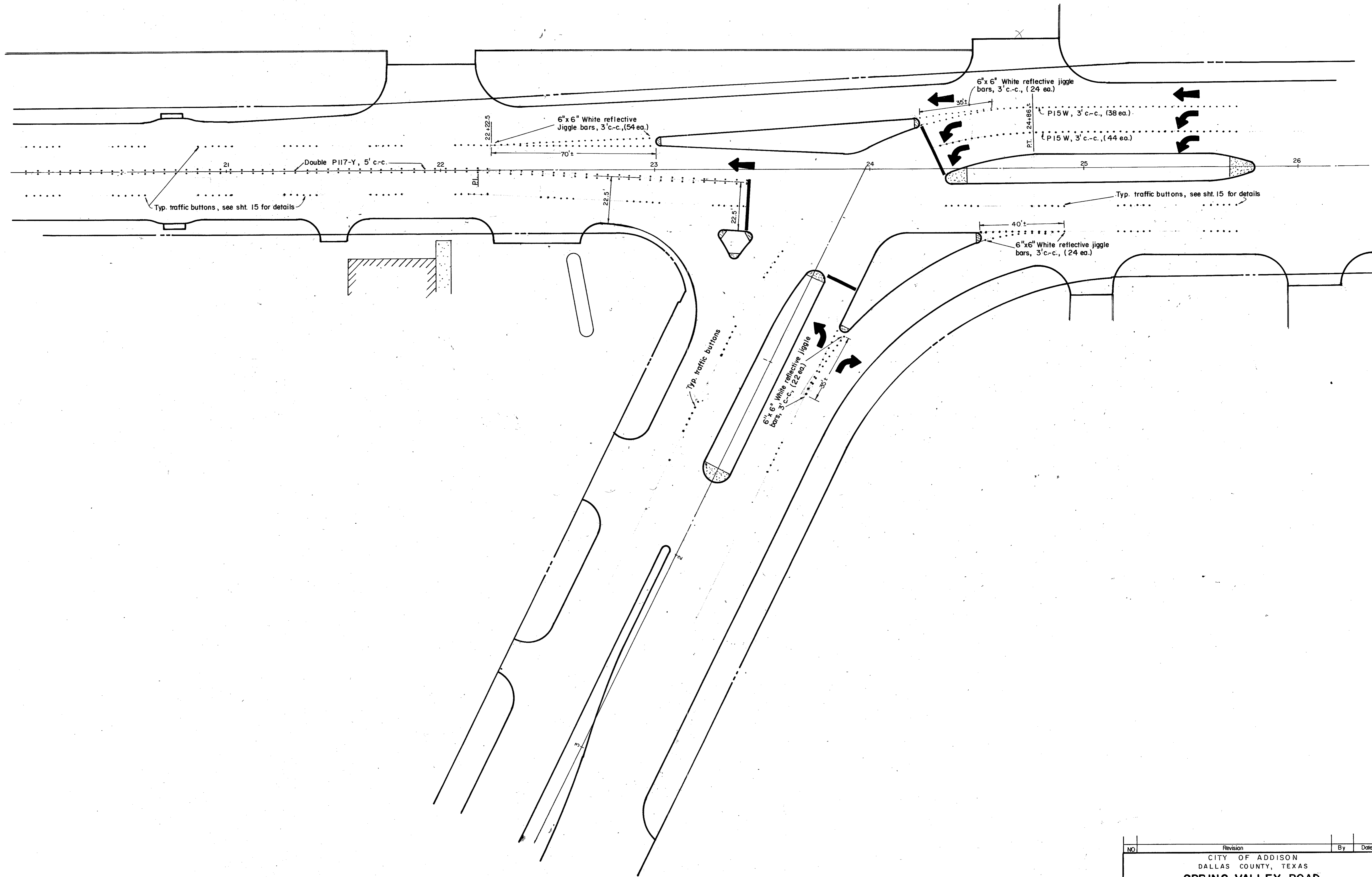
For continuation of conc. sidewalk see sht. 8A.

Extend street 5' w/ 8" Ty. D. Asphalt

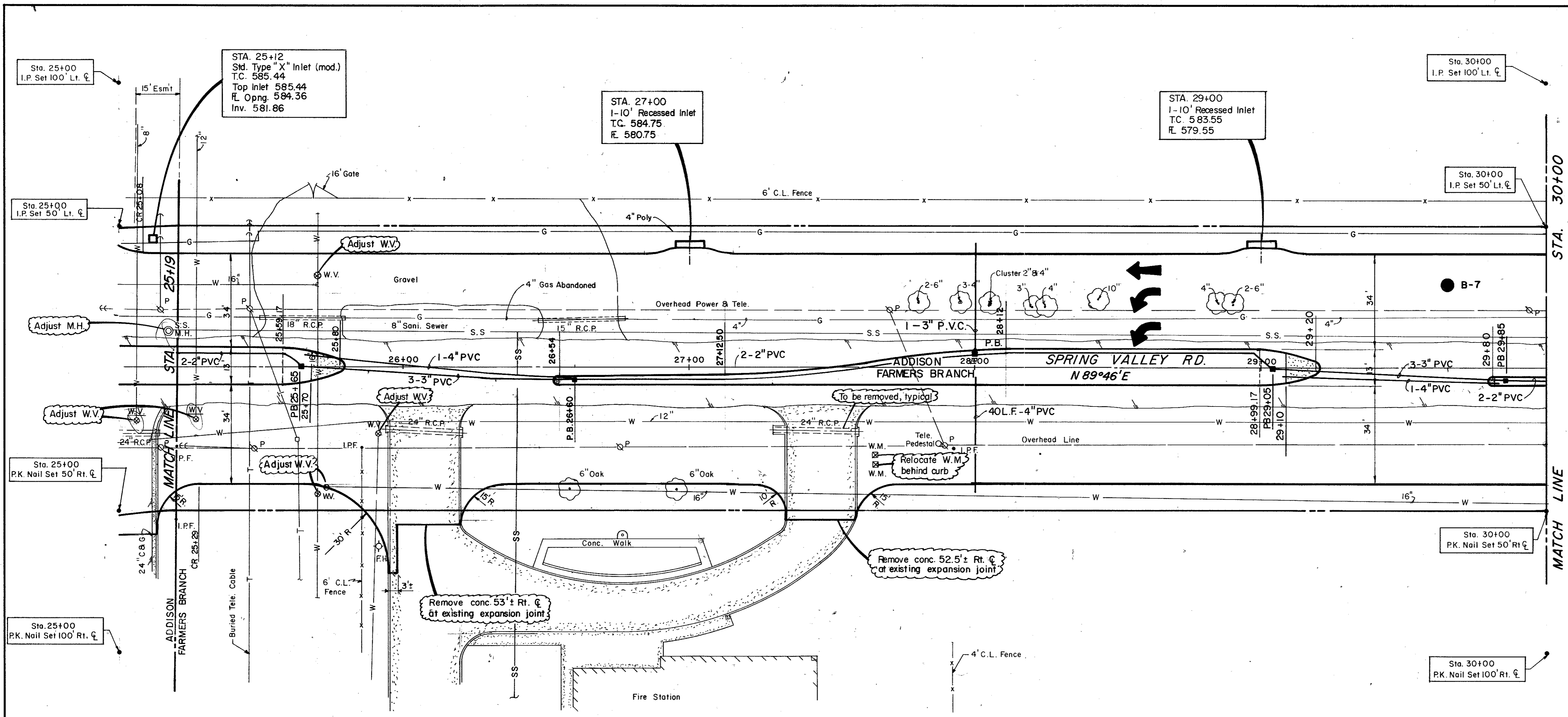
CURVE DATA		
PI.#1	PI.#2	PI.#3
Δ=63°30'05"	Δ=63°30'05"	Δ=63°30'05"
R=172.50'	R=150.00'	R=150.00'
T=106.75'	T=92.83'	T=92.83'
L=191.18'	L=166.25'	L=166.25'

NOTE:
 1. ALL DIMENSIONS TO CURBS ARE "BACK TO BACK."
 2. ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED.

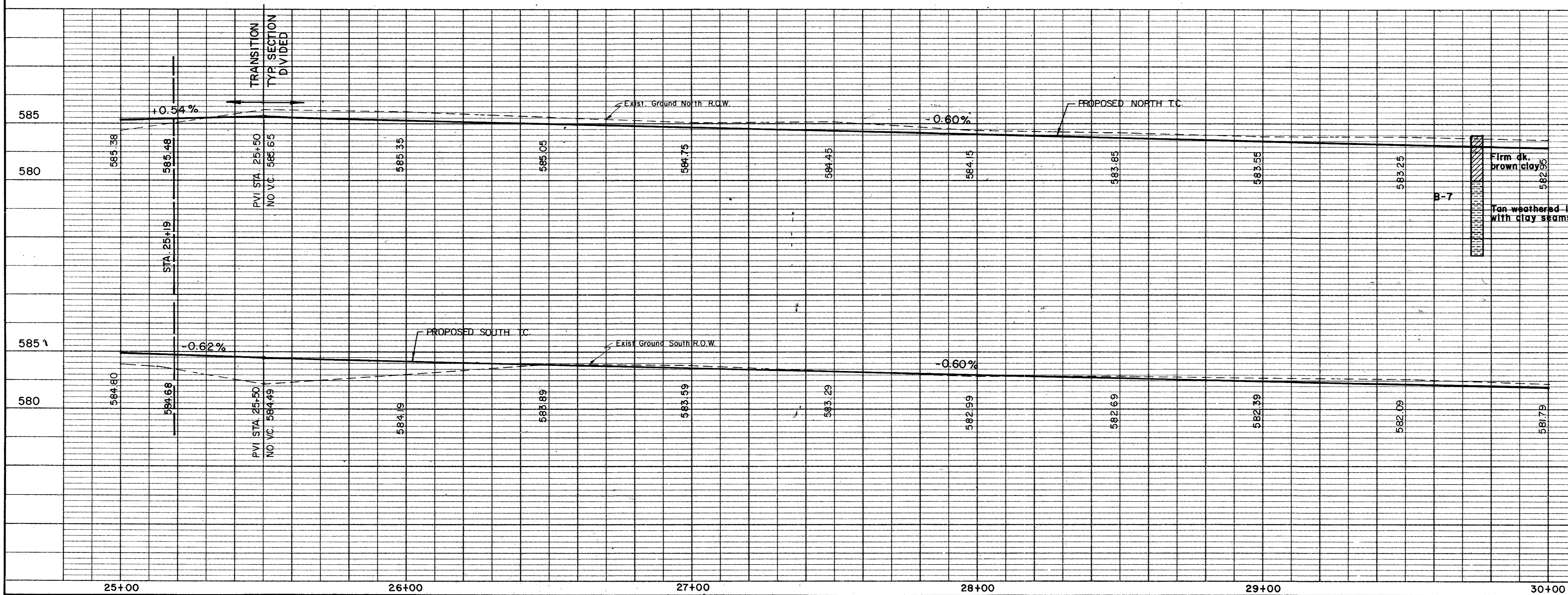
NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
INTERSECTION DETAIL			
GINN, INC. Consulting Engineers - Dallas, Texas			
Designed - GF/HJ	Drawn - GF	Date -	J - 178
Approved - HWG	Checked - HBJ	Scale - 1" = 20'	Sheet 8B of



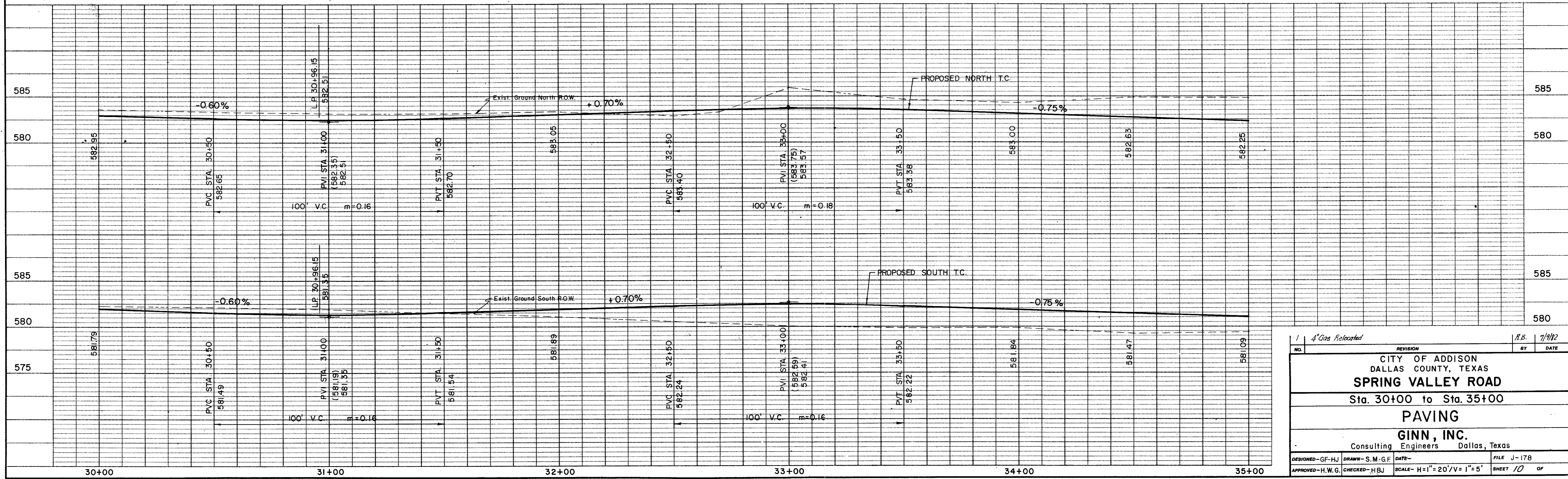
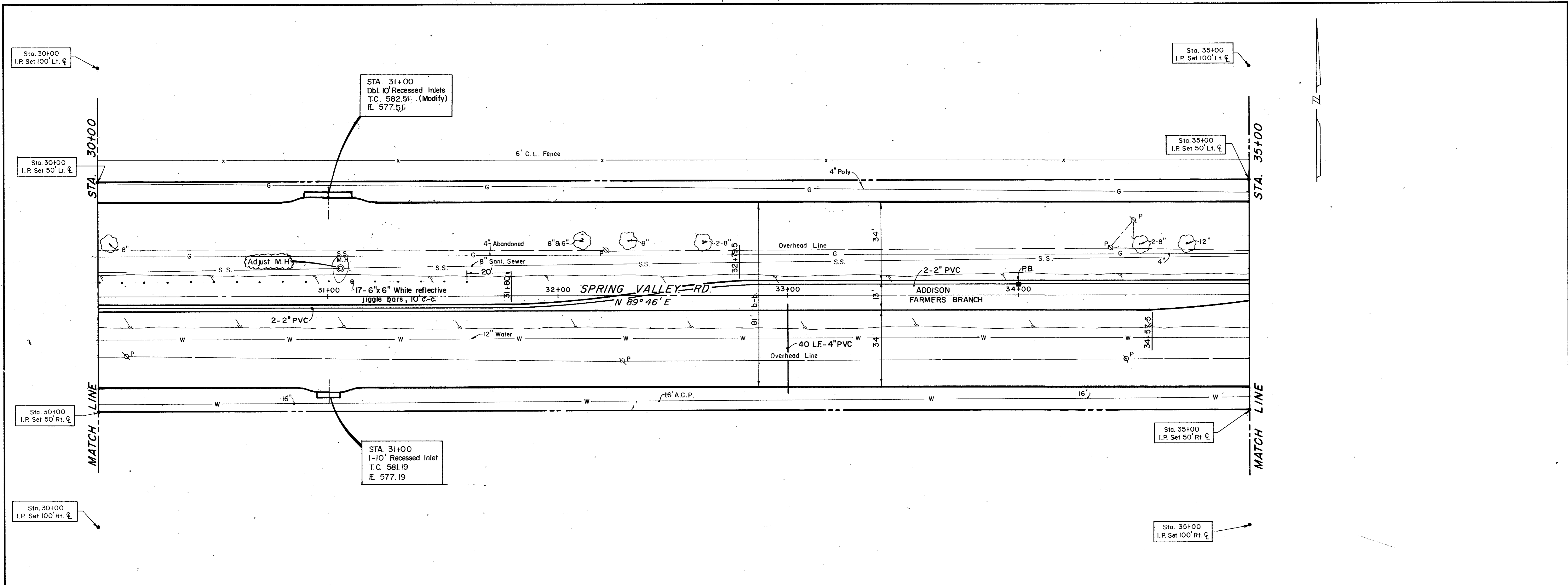
NO.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
CHANNELIZATION DETAIL			
GINN, INC. Consulting Engineers - Dallas, Texas			
Designed - HBJ	Drawn - GF	Date -	Job - J-178
Approved - HBJ	Checked - HBJ	Scale 1"=20'	Sheet 80 of



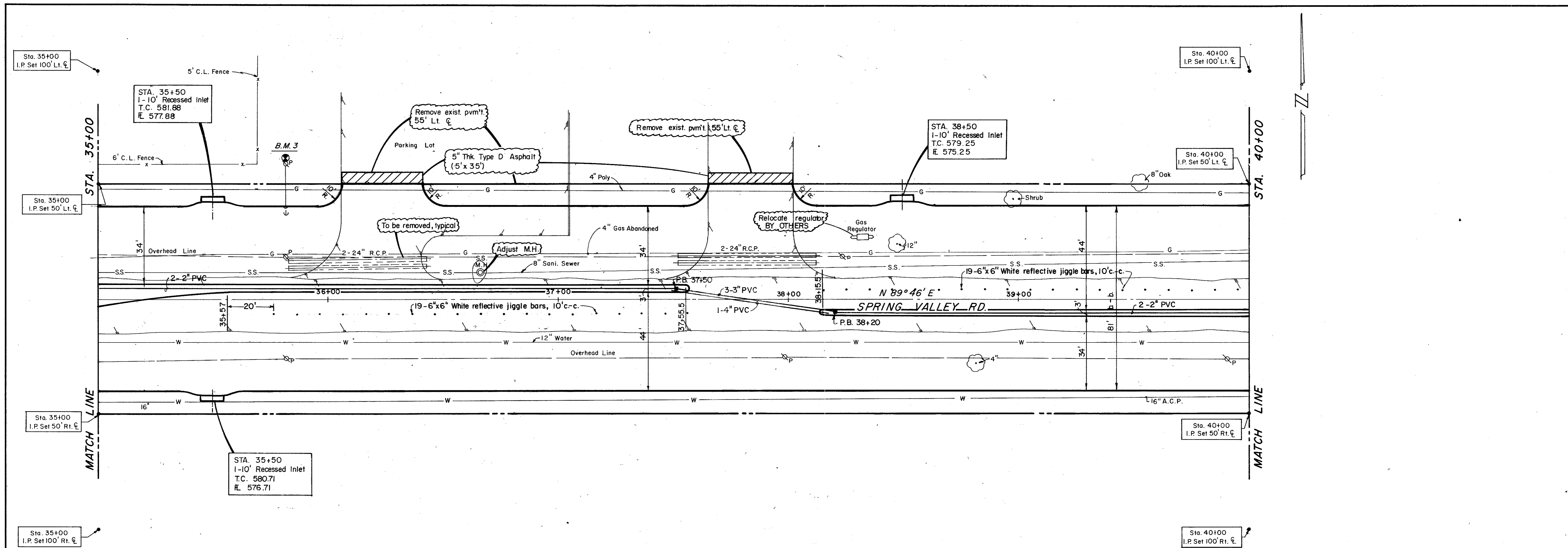
B.M. #2 On Conc. At N.E. Corner, Sidewalk Of Farmers Branch Fire Station No. 2 At N.E. Of Bldg. Elev. 584.57



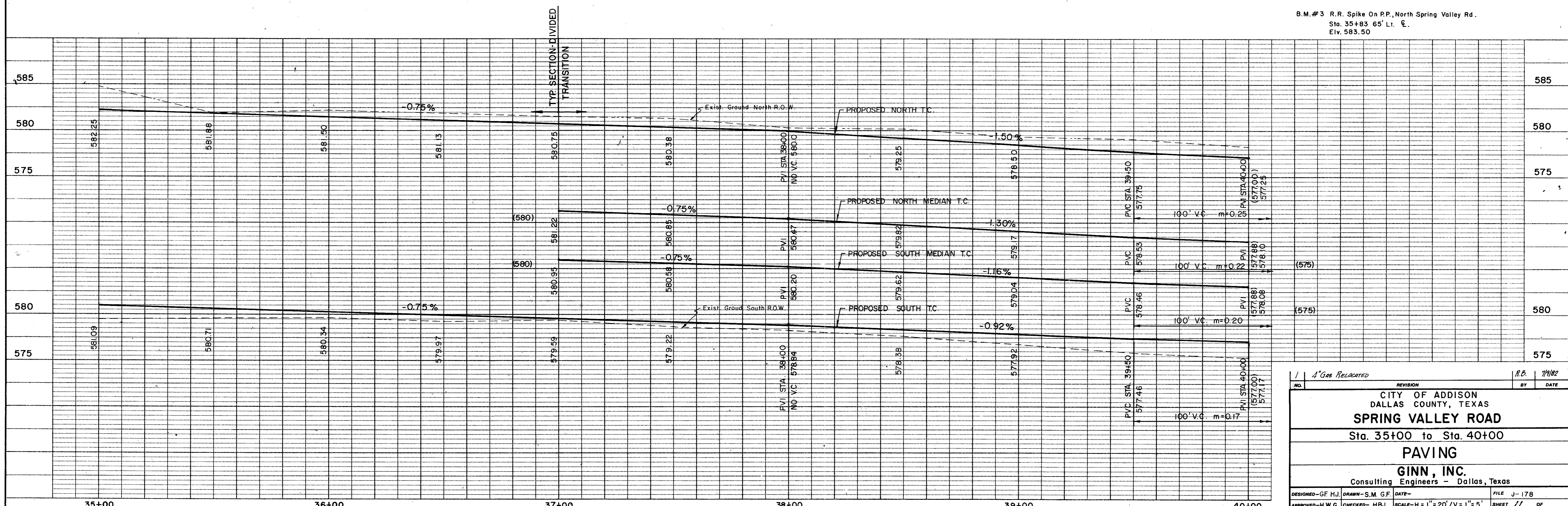
NO.	1	4" Gas Relocated	BY	RB	DATE	7/9/82
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 25+00 to Sta. 30+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas						
DESIGNED -	GF, HJ	DRAWN -	S, M, G, F	DATE -		FILE J-178
APPROVED -	H.W.G.	CHECKED -	H.B.J.	SCALE -	H=1"=20' V=1"=5'	SHEET 9 OF



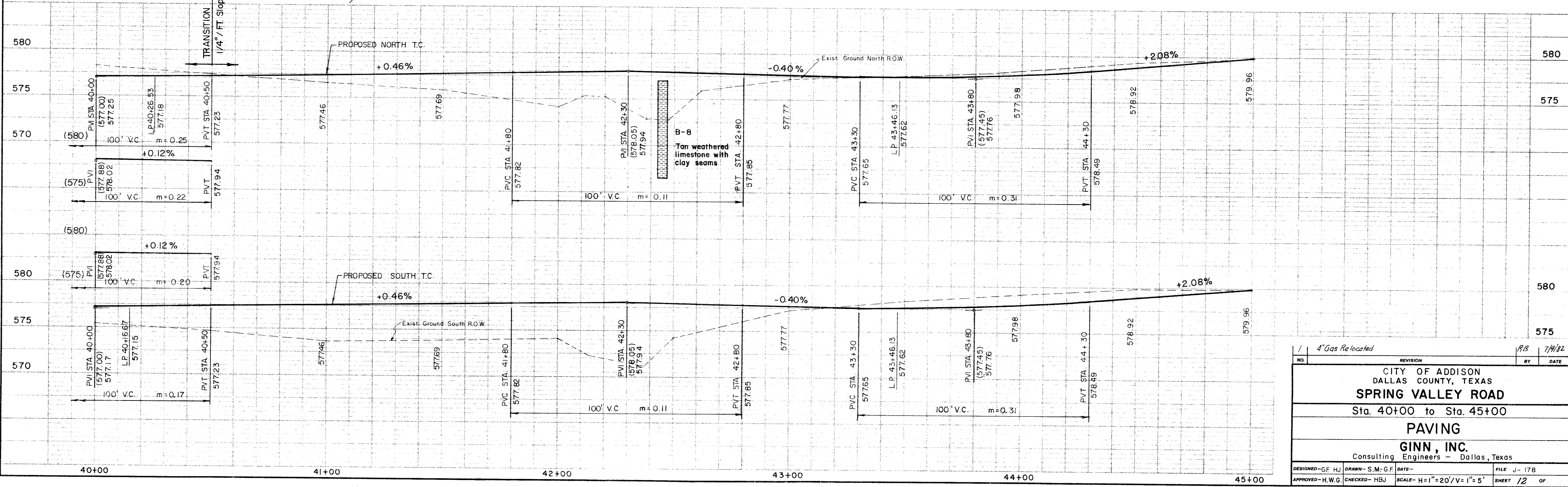
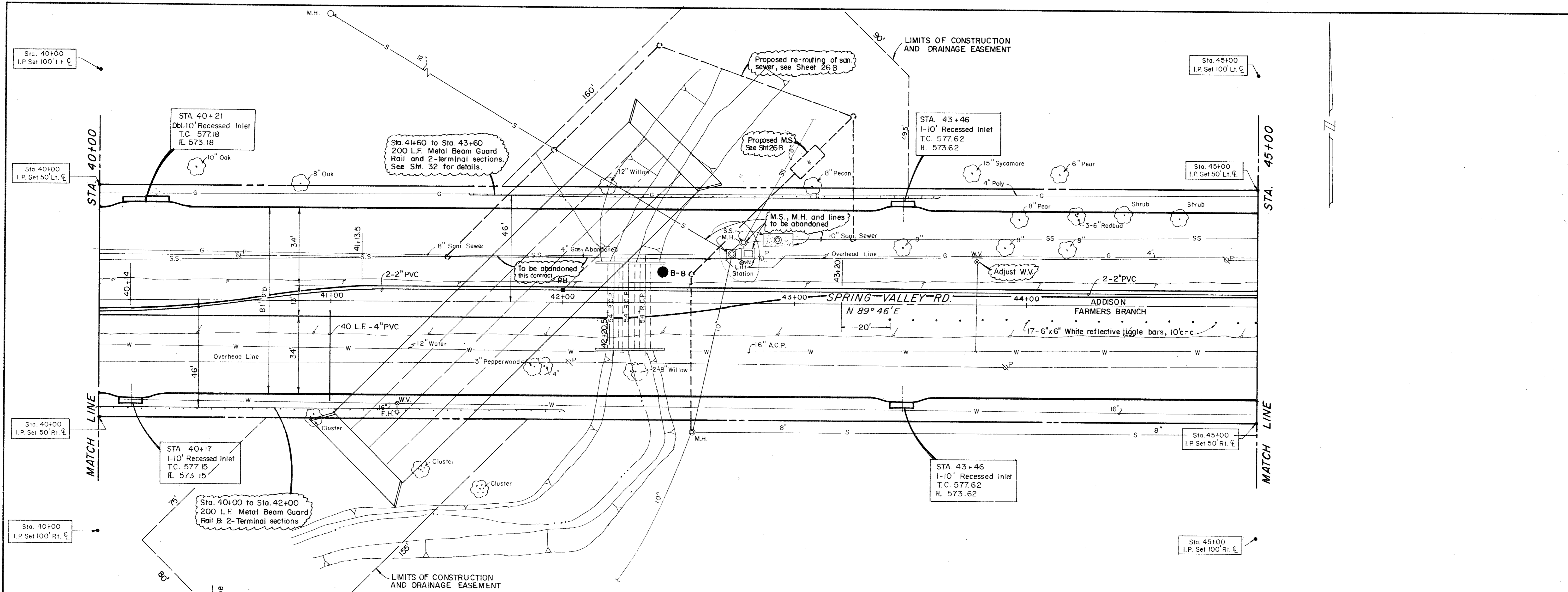
4" Gas Relocated		REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS				
SPRING VALLEY ROAD				
Sta. 30+00 to Sta. 35+00				
PAVING				
GINN, INC.				
Consulting Engineers Dallas, Texas				
DESIGNED-GF-HJ	DRAWN-S.M.G.F	DATE-	FILE J-178	
APPROVED-H.W.G.	CHECKED-H.B.J	SCALE- H=1"=20'/V=1"=5'	SHEET 10	OF



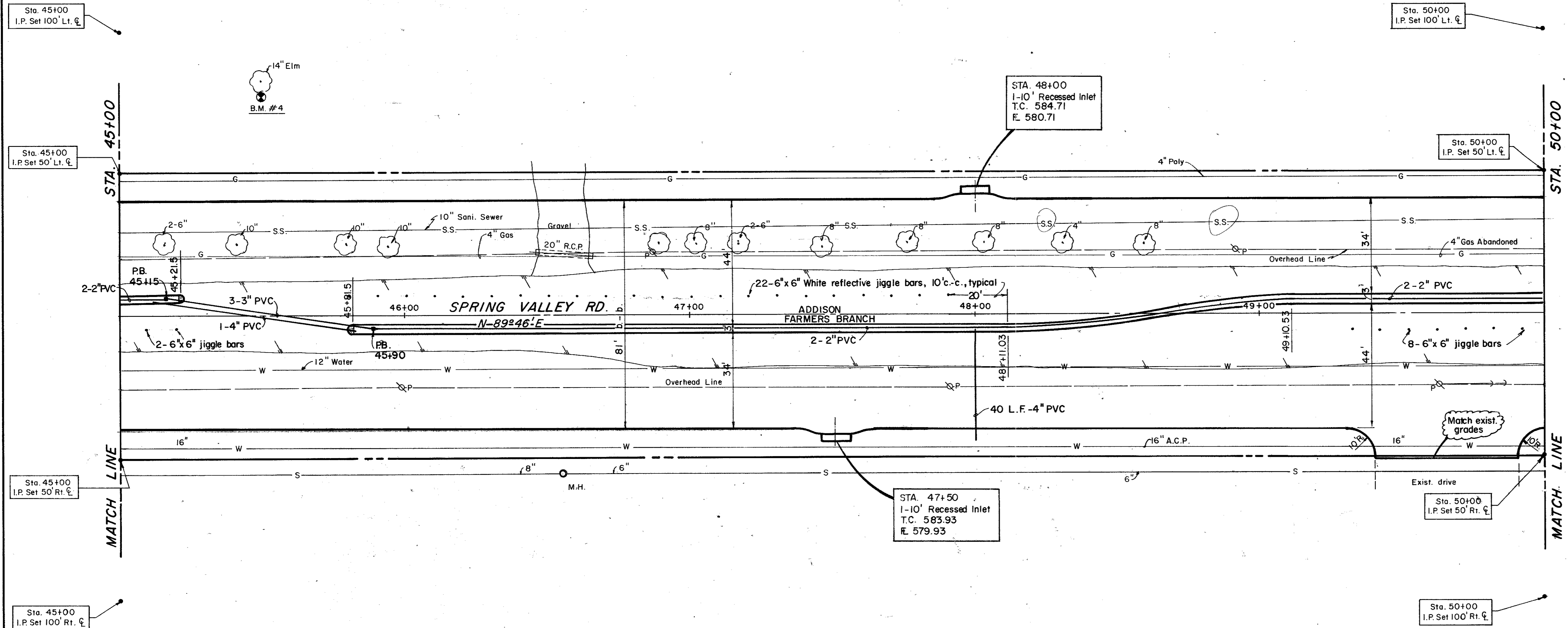
B.M. #3 R.R. Spike On P.P., North Spring Valley Rd.
 Sta. 35+83 65' Lt. C.
 Elev. 583.50



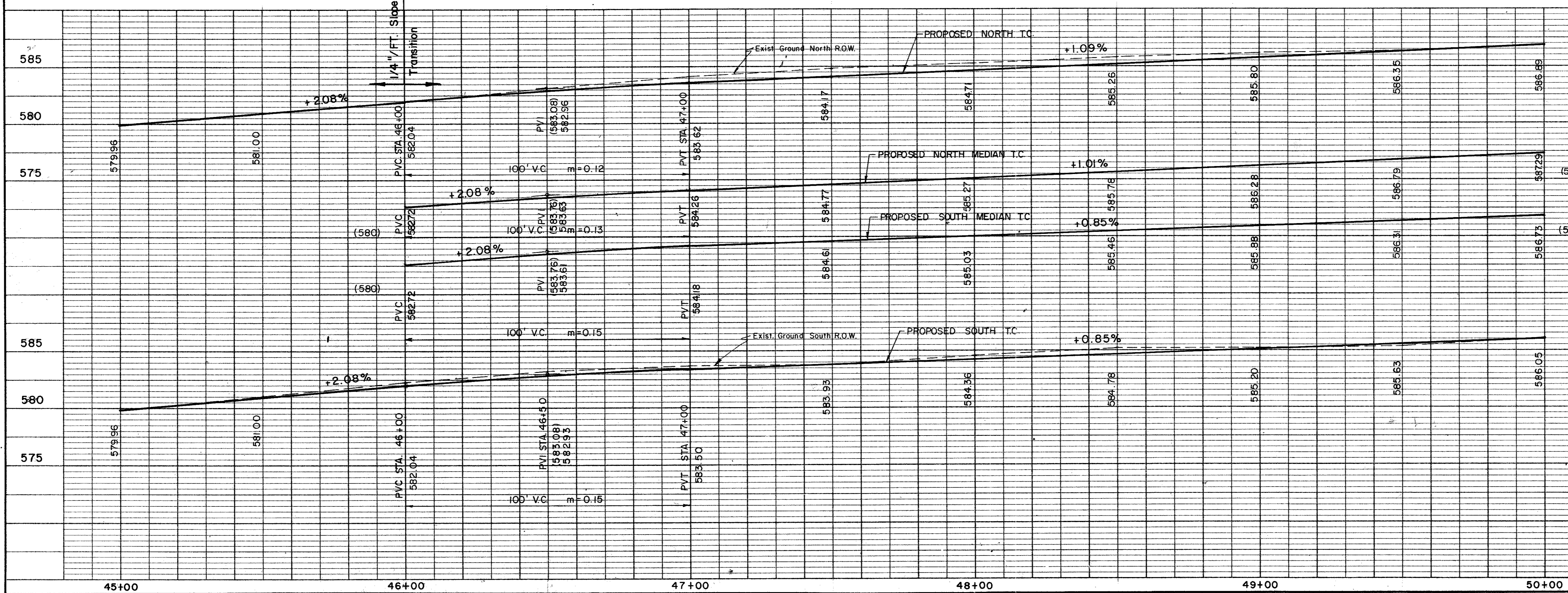
1		A Gas Relocated		R.B.	7/1/02
REVISION					
CITY OF ADDISON DALLAS COUNTY, TEXAS					
SPRING VALLEY ROAD					
Sta. 35+00 to Sta. 40+00					
PAVING					
GINN, INC.					
Consulting Engineers - Dallas, Texas					
DESIGNED-GF.H.J.	DRAWN-S.M.G.F.	DATE-	FILE	J-178	
APPROVED-H.W.G.	CHECKED-HBJ.	SCALE-H=1"=20' V=1"=5'	SHEET	// OF	



1		4" Gas Relocated		RB	7/9/82
NO.	REVISION	BY	DATE		
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 40+00 to Sta. 45+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas					
DESIGNED-GF HJ	DRAWN-S.M:GF	DATE-	FILE J-178		
APPROVED-H.W.G	CHECKED-HBJ	SCALE-H=1"=20'/V=1"=5'	SHEET 12	OF	



B.M. #4 R.R. Spike On 14" Elm North Spring Valley Rd.
 Sta. 45+50, 83' Lt. ϕ
 Elev. 582.38

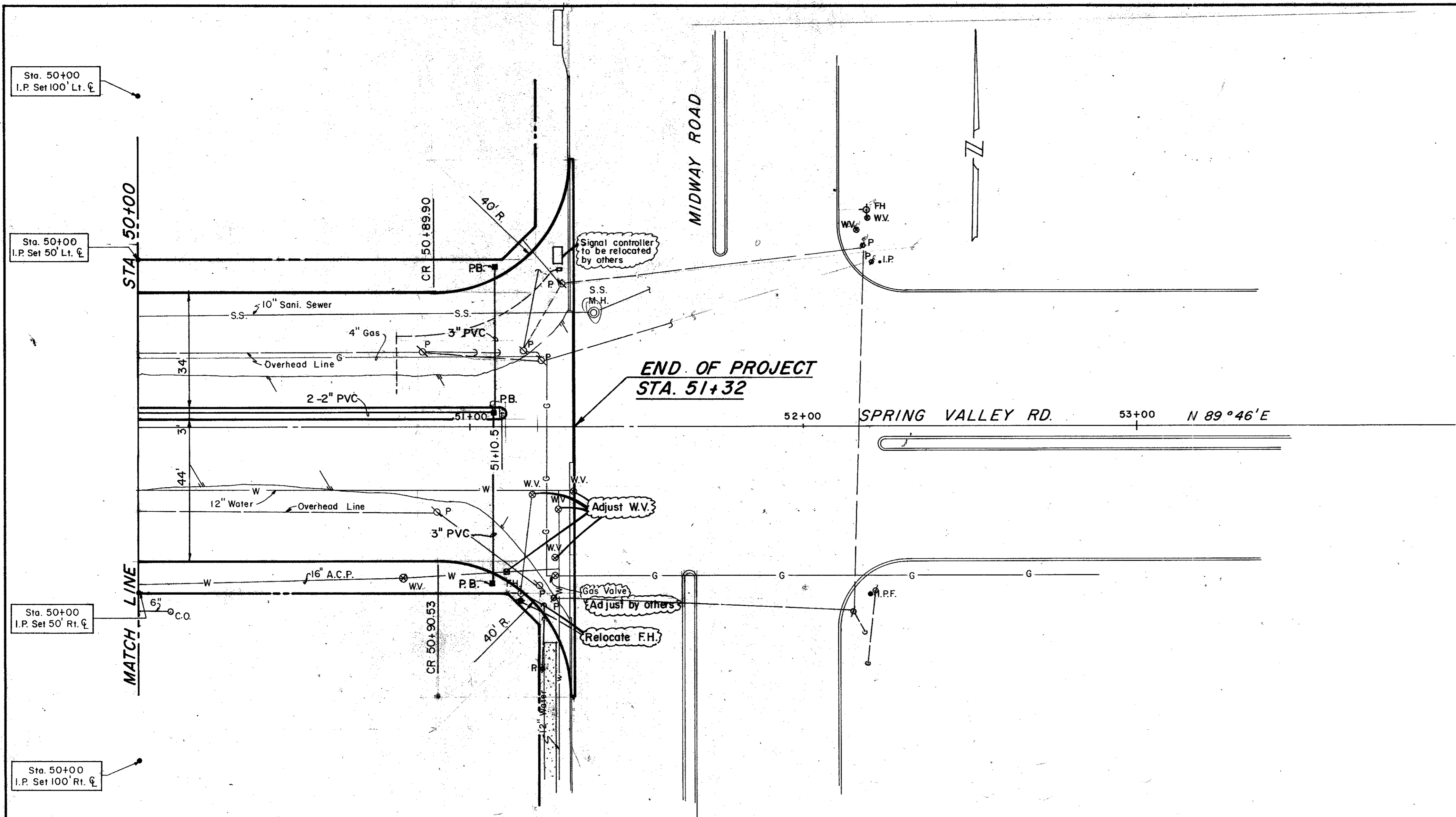


1 4" Gas Relocated

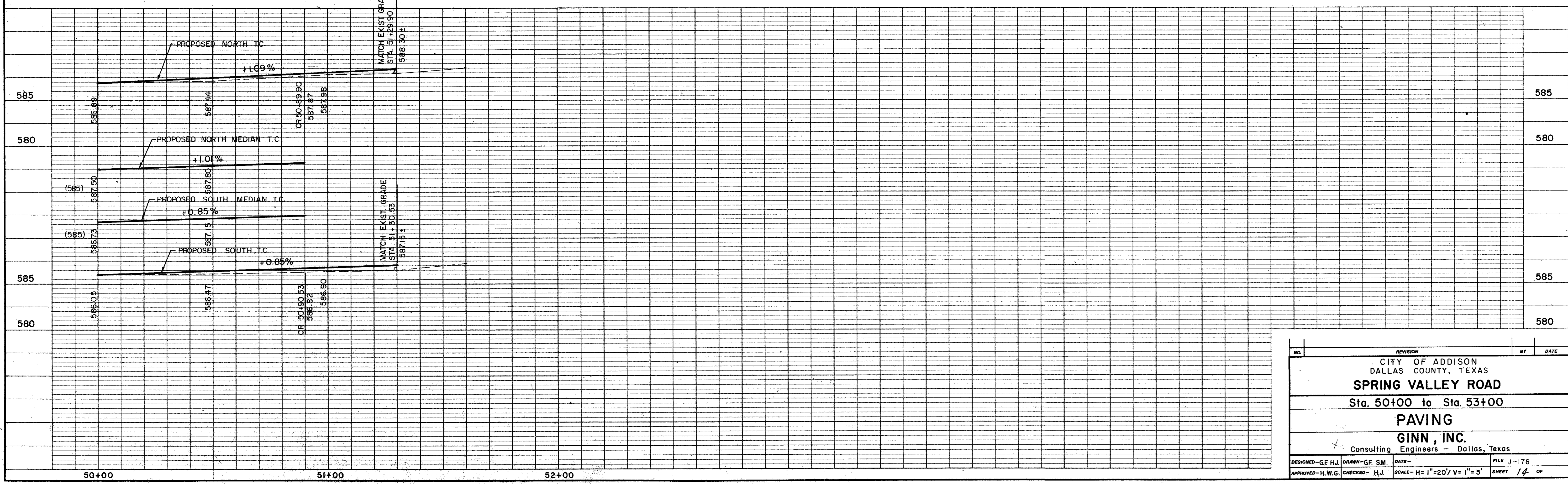
NO.	REVISION	BY	DATE
		RP	7/9/82

CITY OF ADDISON
 DALLAS COUNTY, TEXAS
SPRING VALLEY ROAD
 Sta. 45+00 to Sta. 50+00
PAVING
GINN, INC.
 Consulting Engineers Dallas, Texas

DESIGNED-GF HJ DRAWN-SM GF DATE- FILE J-178
 APPROVED-H.W.G. CHECKED-HJ SCALE-H=1"=20' V=1"=5' SHEET 13 OF

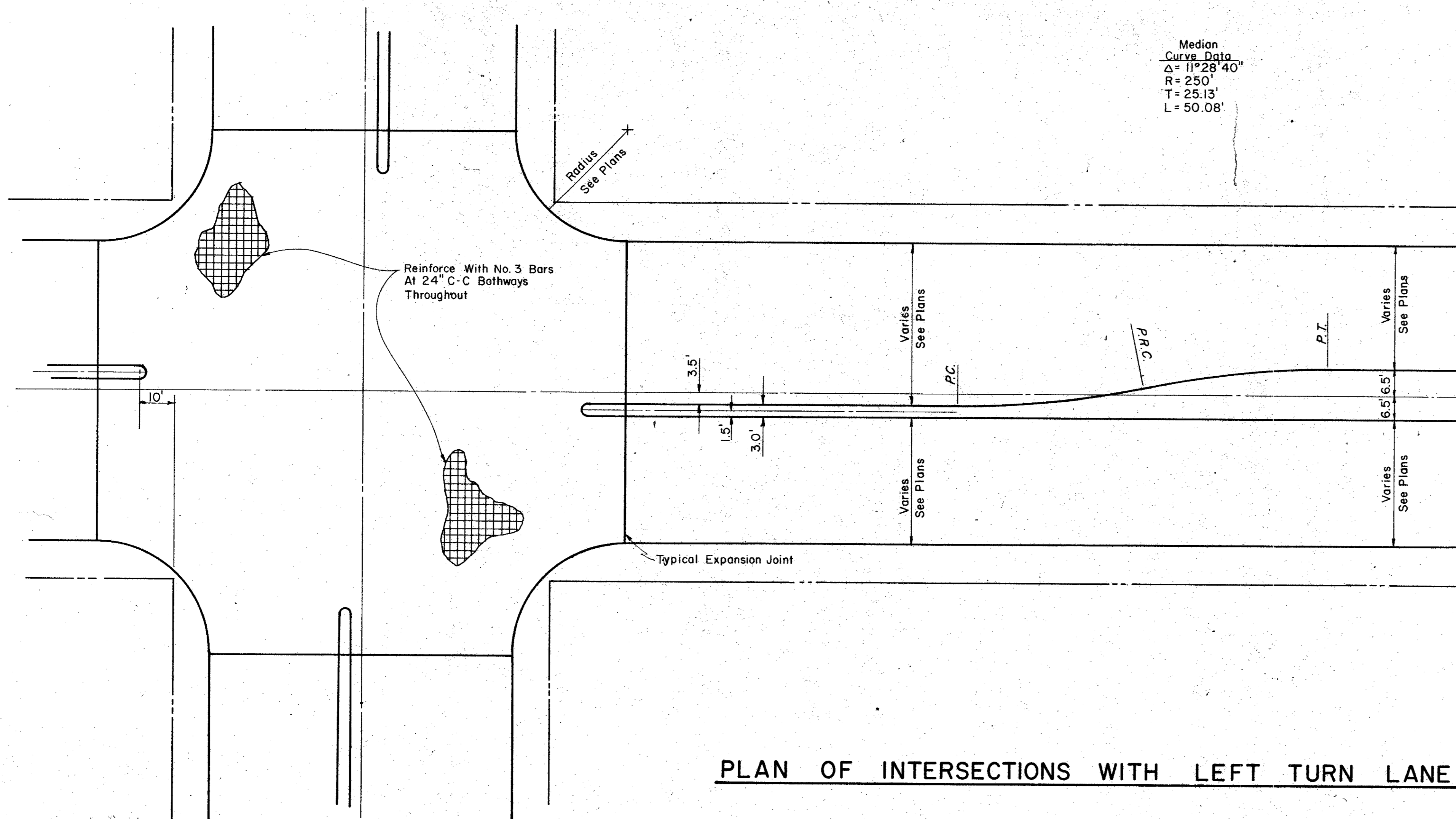


B.M. #5 \square On Conc. Greenhill School Brick Sign Foundation, S.W. Corner.
Elev. 588.18

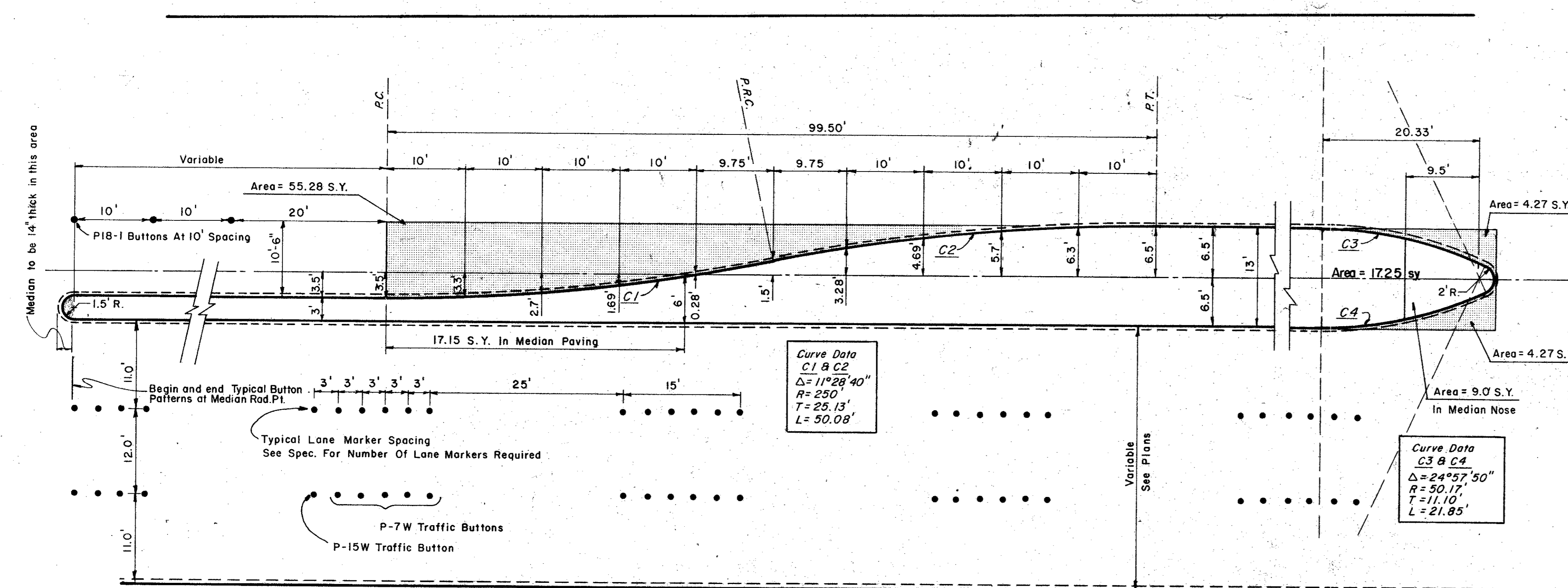


NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 50+00 to Sta. 53+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas			
DESIGNED - GF H.J.	DRAWN - GF S.M.	DATE -	FILE J-178
APPROVED - H.W.G.	CHECKED - H.J.	SCALE - H = 1"=20' V = 1"=5'	SHEET 14 OF

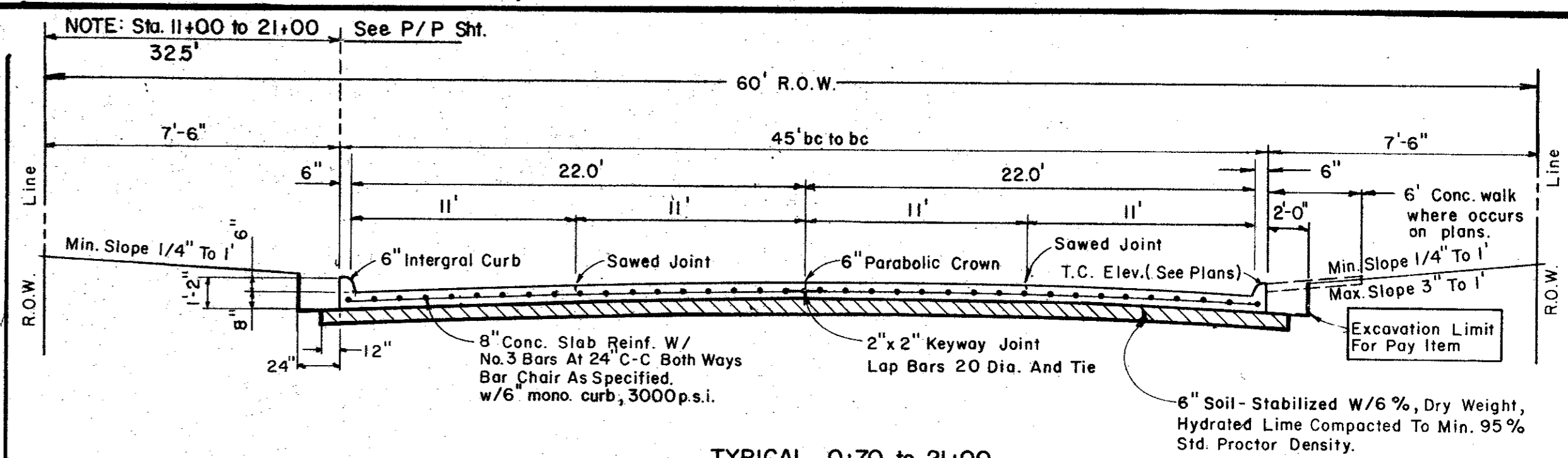
Median
Curve Data
 $\Delta = 11^{\circ}28'40''$
 $R = 250'$
 $T = 25.13'$
 $L = 50.08'$



PLAN OF INTERSECTIONS WITH LEFT TURN LANE



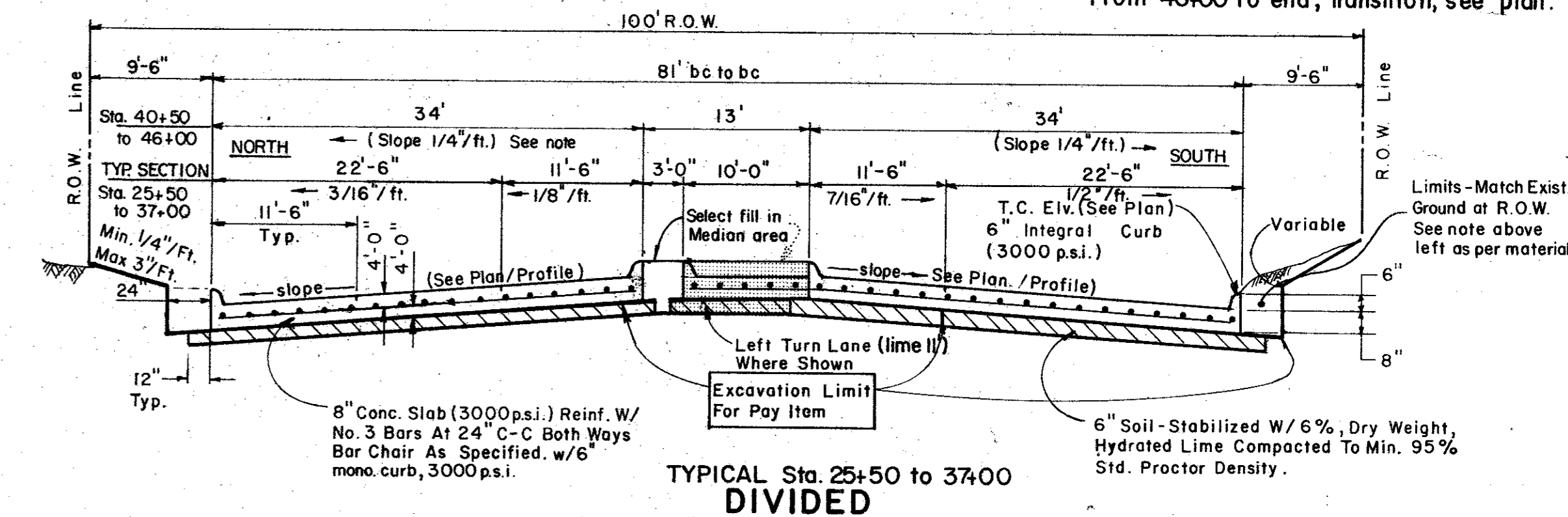
LEFT TURN LANE & LANE MARKER DETAIL



TYPICAL 0+70 to 21+00
UNDIVIDED

NOTE: Backfill material NOT A SEPERATE PAY ITEM. Material acquired from Excavation may be used if approved by Engineer.

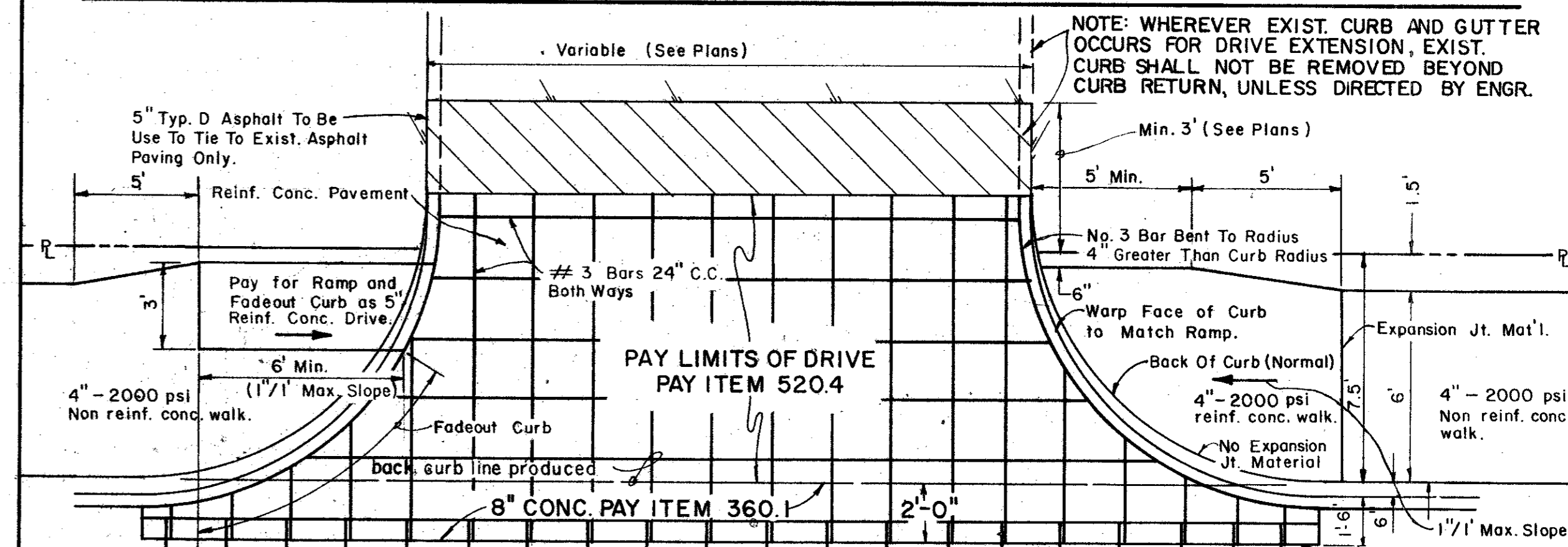
NOTE: From Sta. 21+00 to 25+50, transition from 45' width to 81' width, see plan/profile. From Sta. 37+00 to 40+50, transition from typical section to 1/4" ft. slope. From Sta. 40+50 to 46+00, slope 1/4" ft. From 46+00 to end, transition, see plan.



TYPICAL Sta. 25+50 to 37+00
DIVIDED

TYPICAL PAVING SECTION DETAILS

FOR TRANSITION, SEE PLAN/PROFILE FOR ELEVATIONS



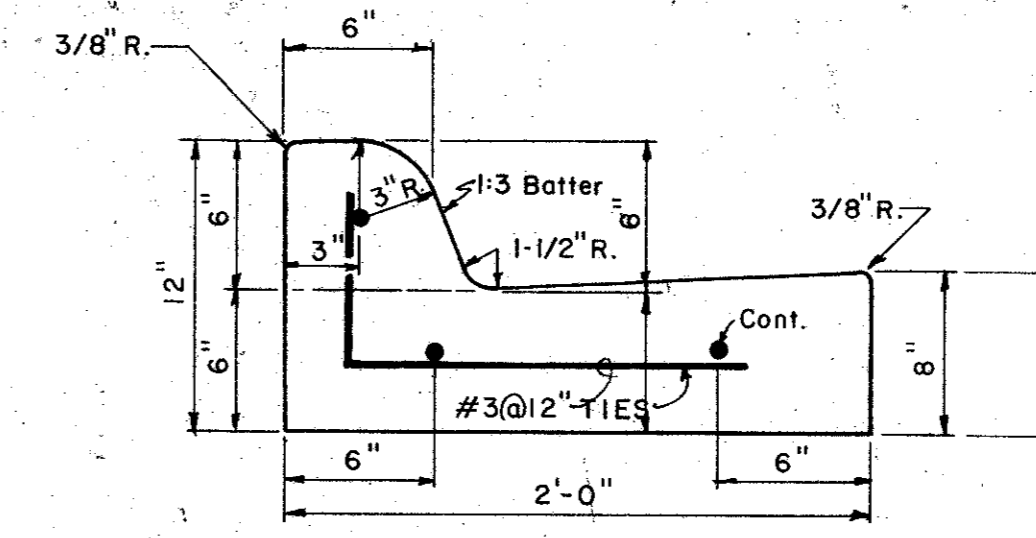
Typ. Barrier Free Ramp at Curved Drive (where occurs - see plans)

Pavement Reinforcement Lapped 30 Dia. or No. 5 Dowel 24" Long

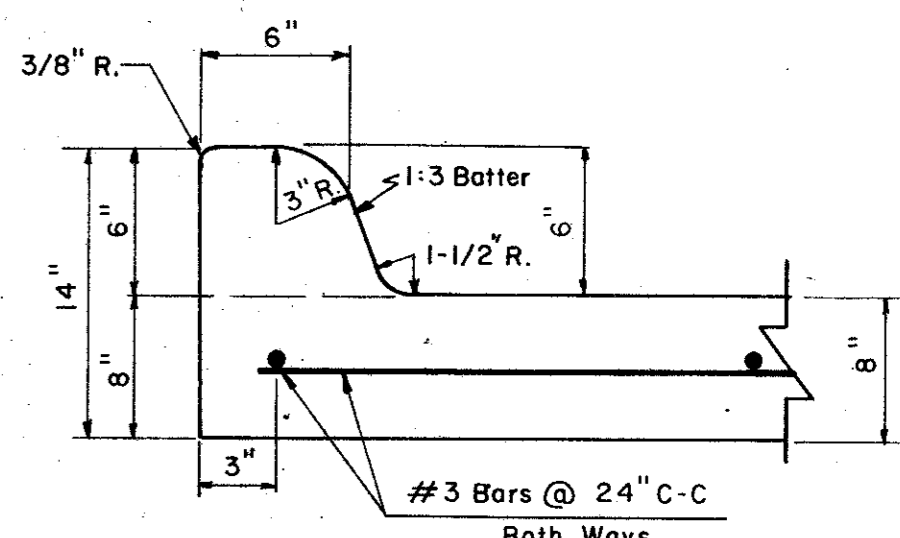
Typ. Barrier Free Ramp at Driveway (where occurs - see plans)

(NOTE: Typ. Cross Slope All Conc. Walks Shall Be 1/4" Ft. Unless Otherwise Noted.)

DRIVEWAY PAVING DETAIL



SEPARATE CURB & GUTTER REINFORCEMENT SHALL BE No. 5 BARS



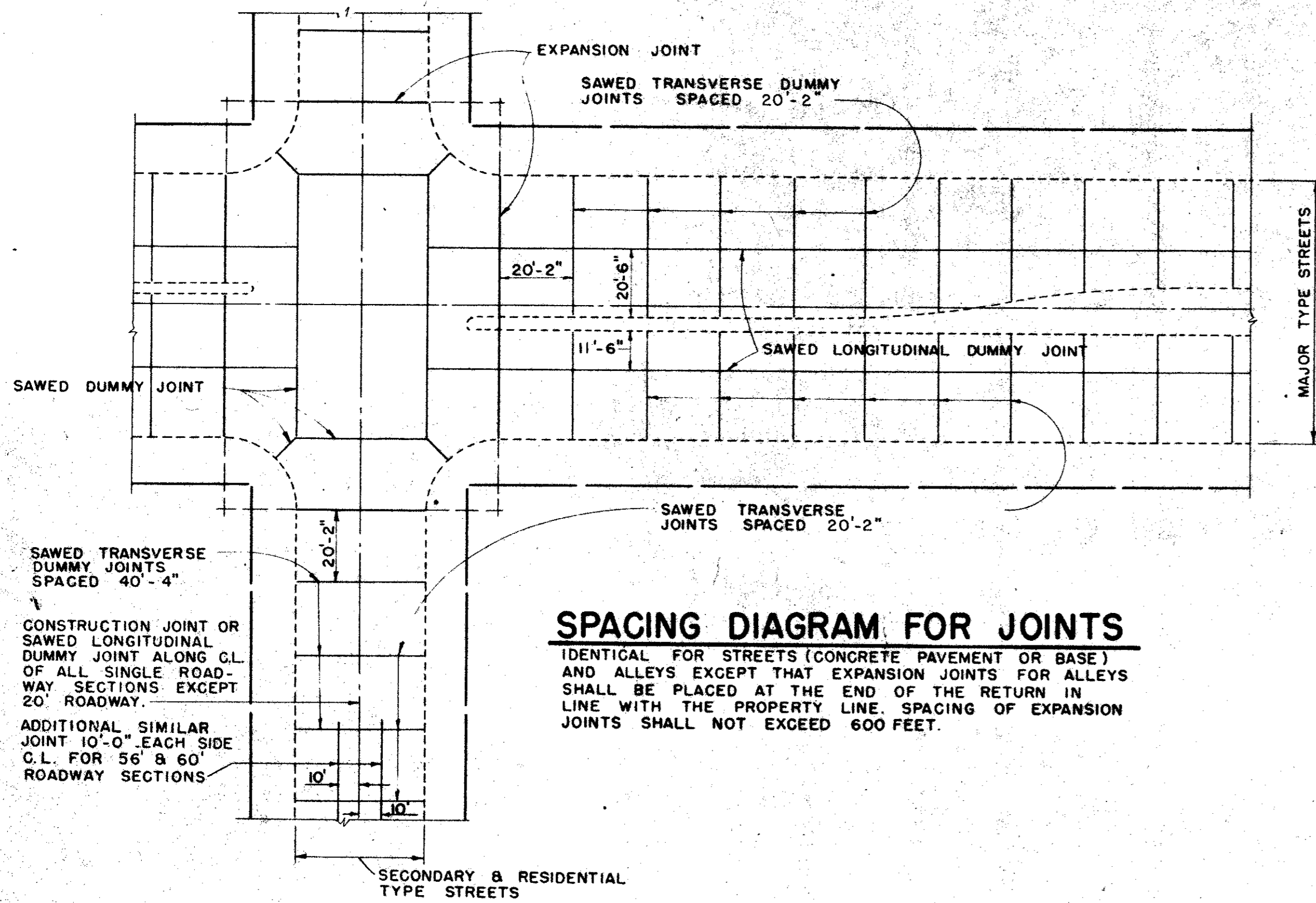
6" INTEGRAL CURB & GUTTER DETAIL

CITY OF ADDISON
DALLAS COUNTY, TEXAS

PAVING DETAILS A

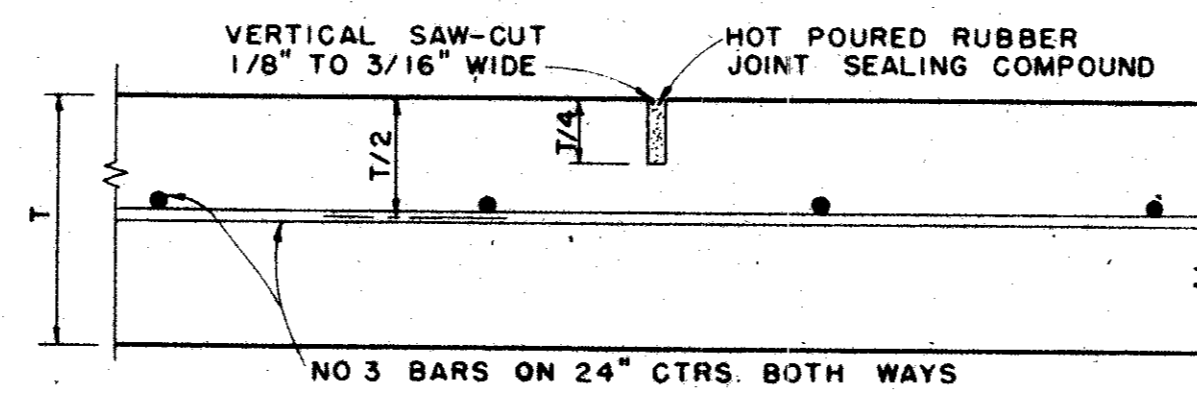
GINN, INC.
Consulting Engineers Dallas, Texas

DESIGNED - H. K. DRAWN - S. M. M. DATE - JOB No.
APPROVED - H. G. CHECKED - G. F. SCALE - NONE SHEET 15 OF



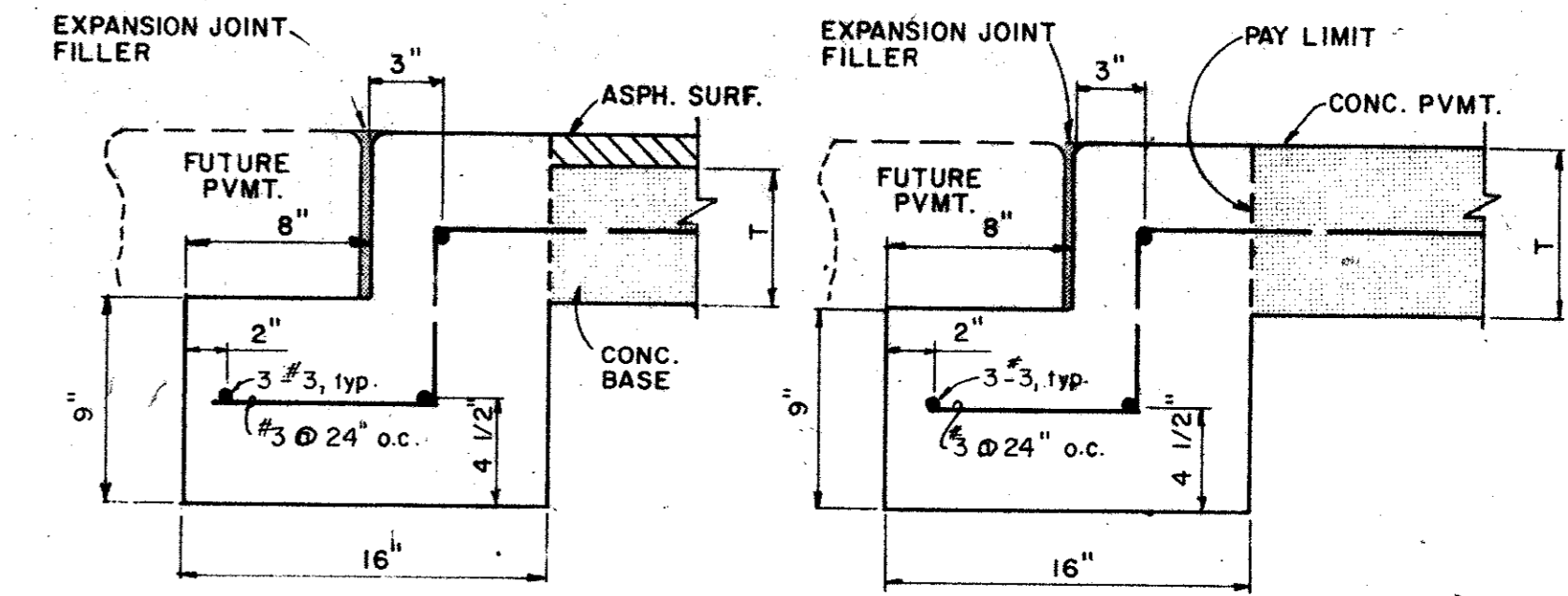
SPACING DIAGRAM FOR JOINTS

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.

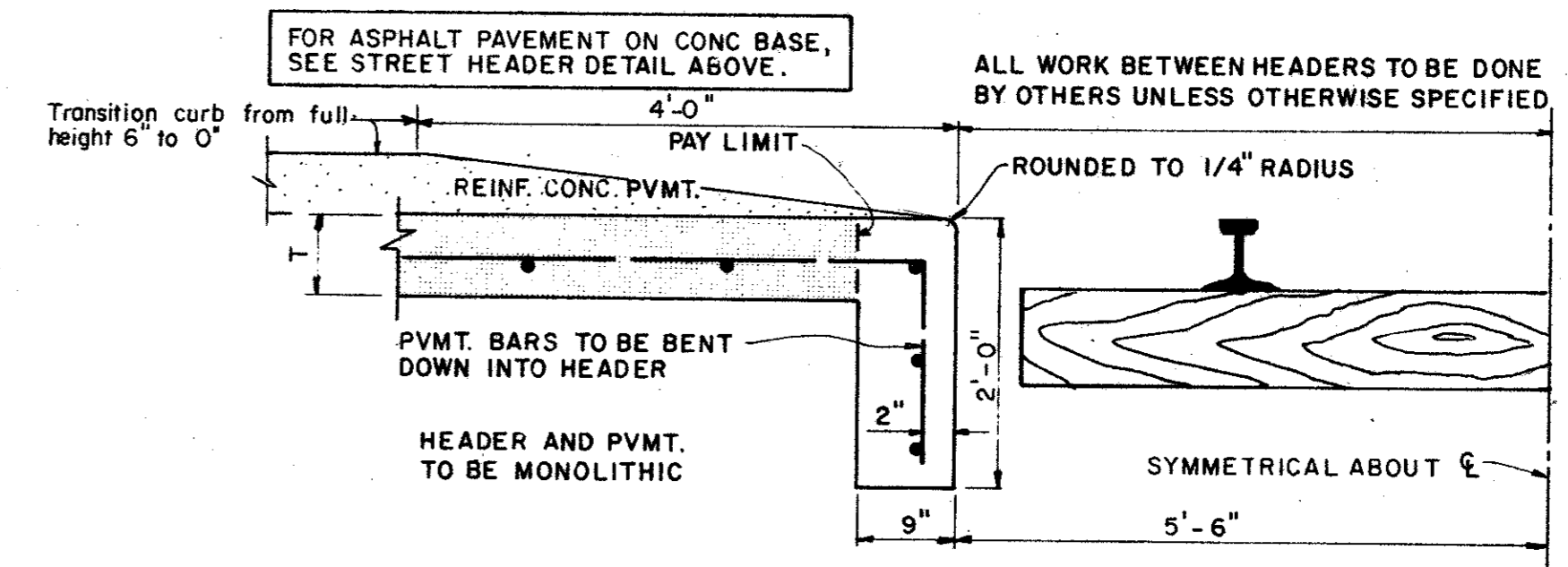


SAWED DUMMY JOINT

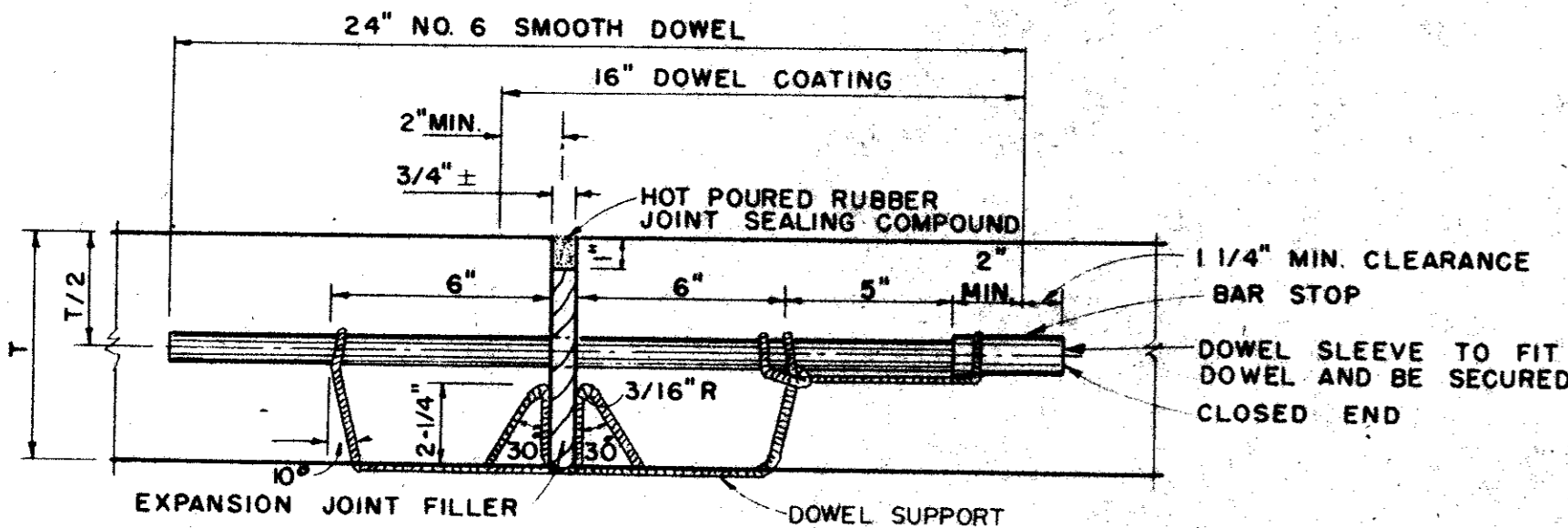
IDENTICAL FOR STREETS AND ALLEYS EXCEPT ALLEY LONGITUDINAL REINFORCEMENT BARS



STREET HEADER

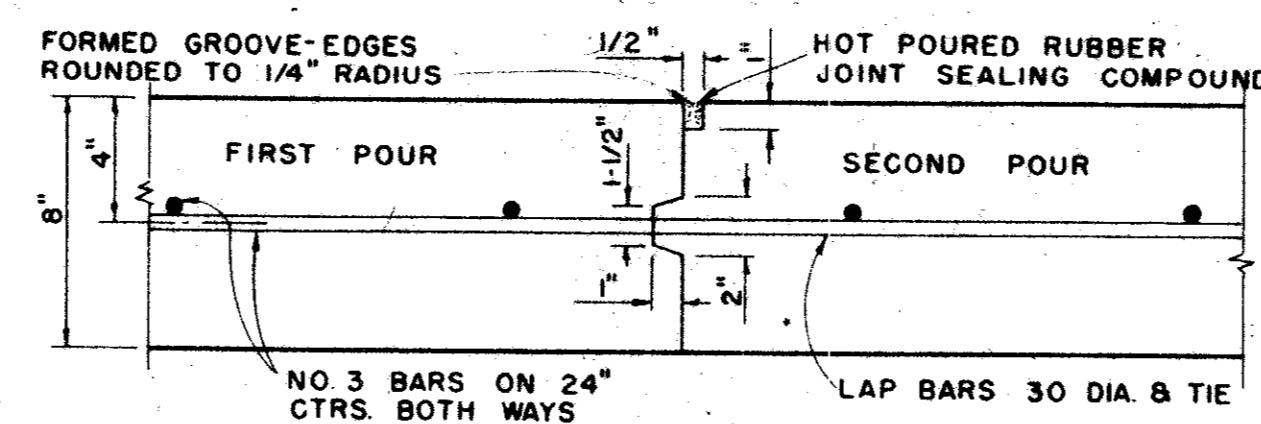


RAILROAD HEADER



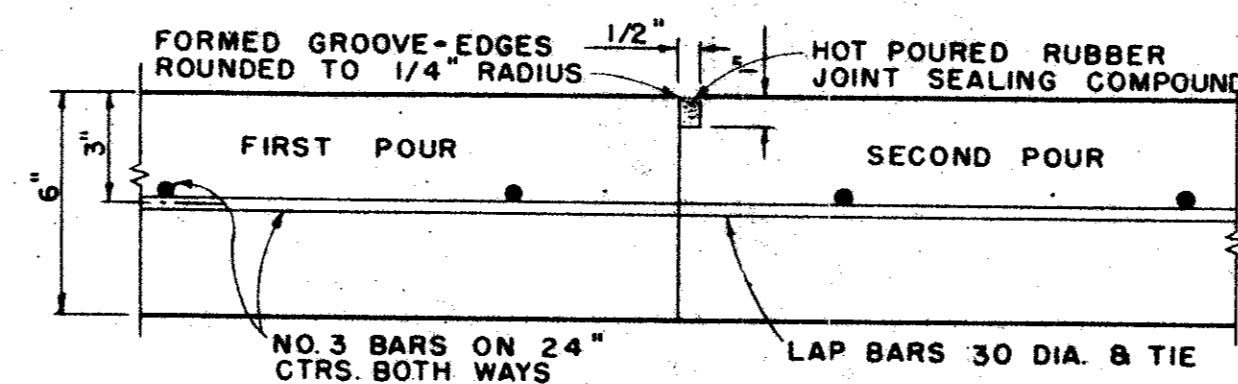
TRANSVERSE EXPANSION JOINT

IDENTICAL FOR STREETS & ALLEYS



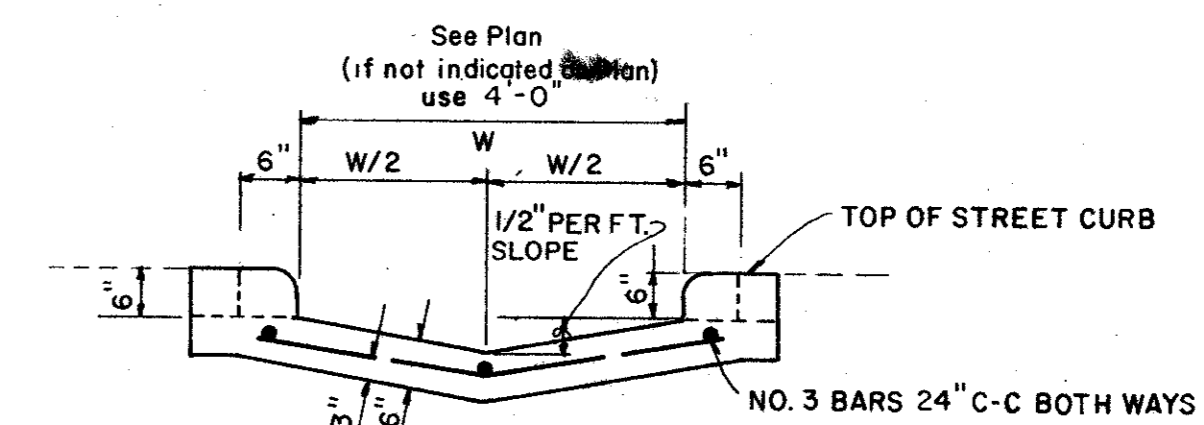
CONSTRUCTION JOINT

FOR 8" THICKNESS PAVEMENT OR BASE

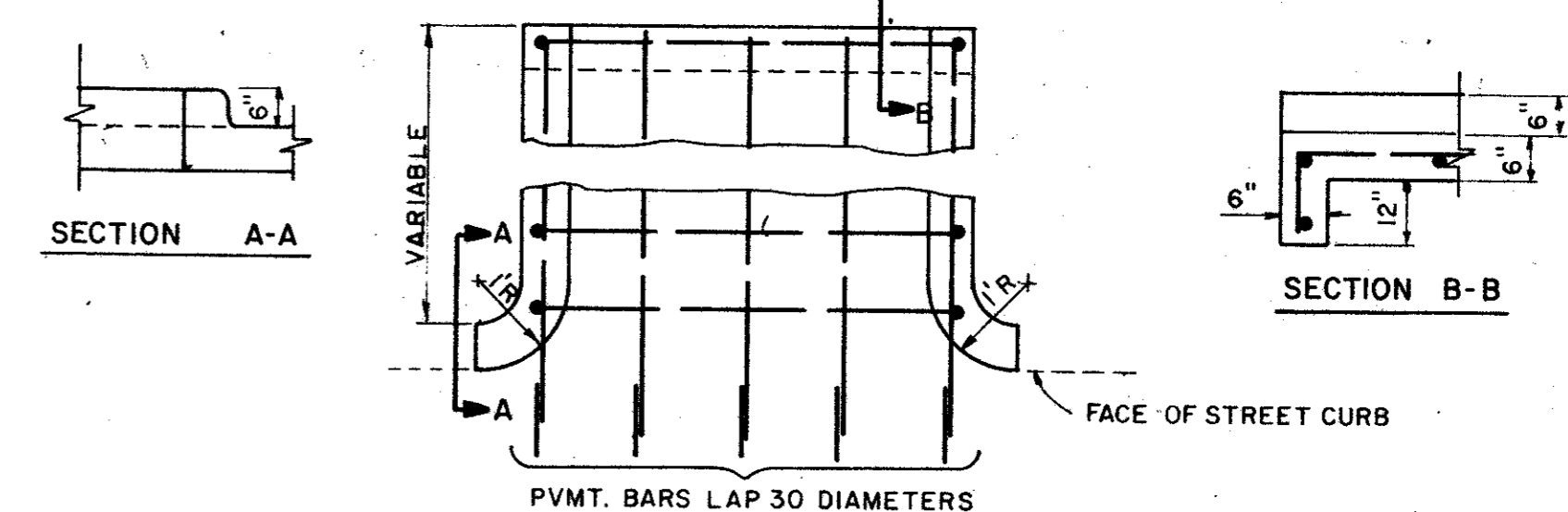


CONSTRUCTION JOINT

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

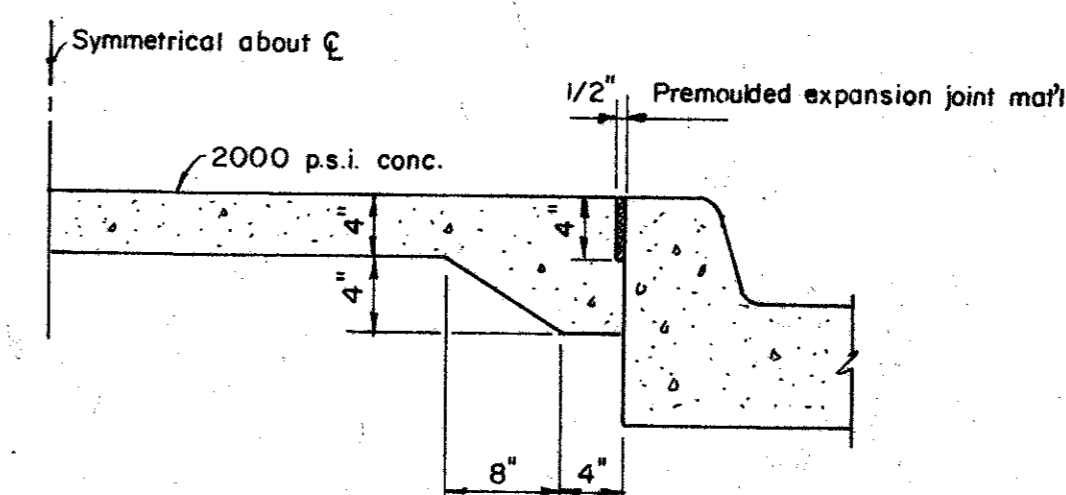


SECTION AT CURB FACE



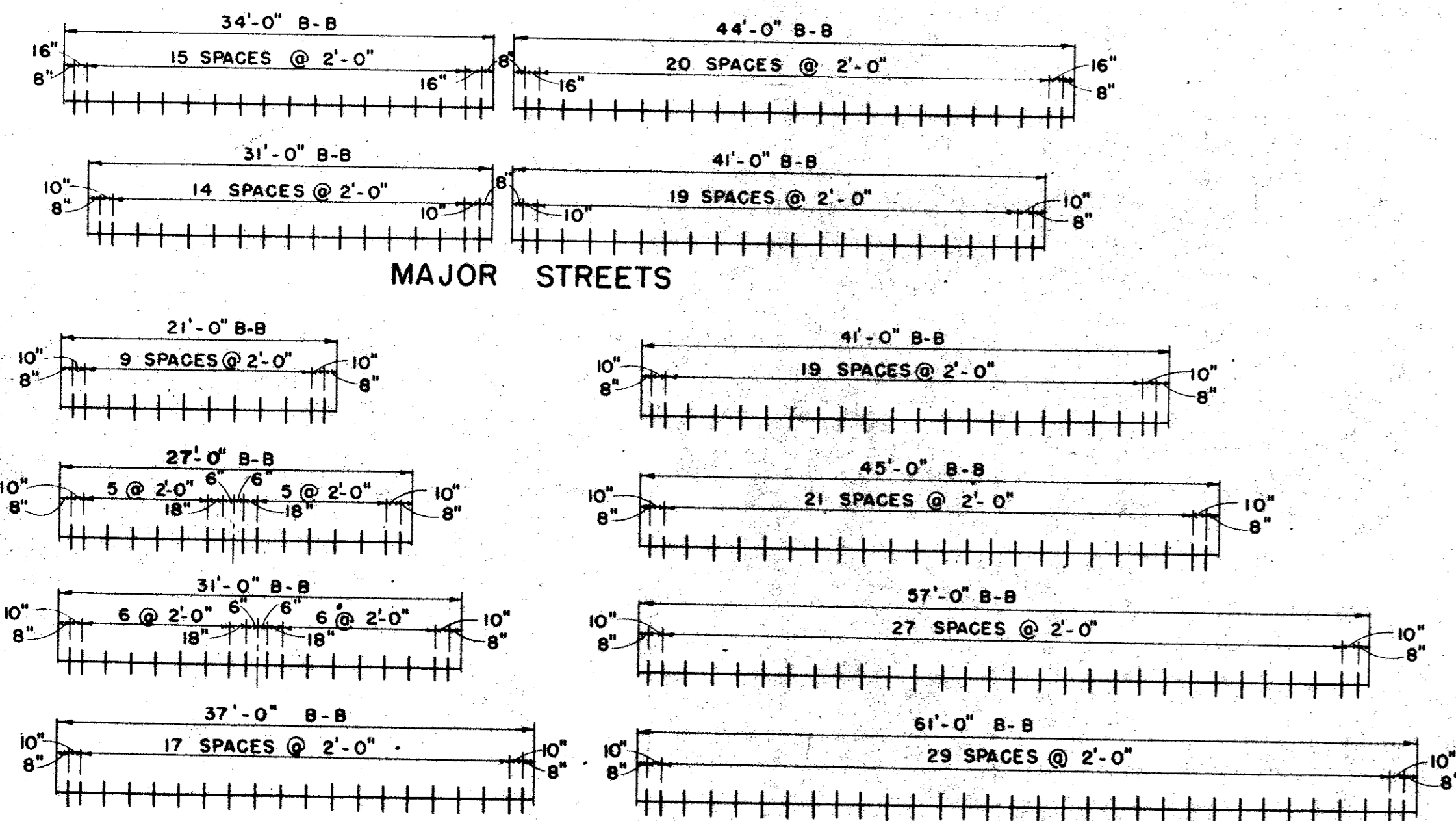
PLAN

FLUME



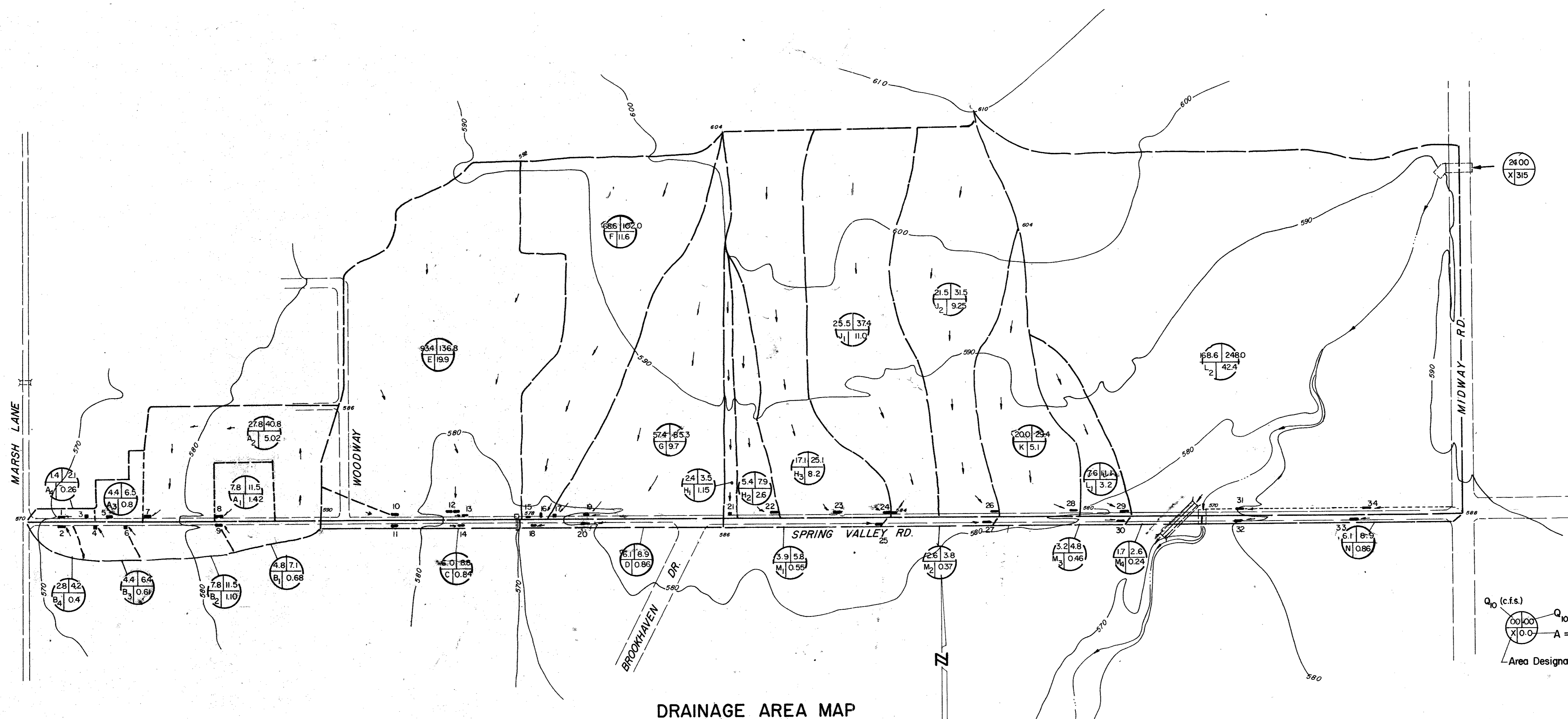
NON-REINFORCED MEDIAN PAVEMENT

IN ALL AREAS LESS THAN 6' BC. TO BC. UNLESS OTHERWISE DIRECTED BY ENGINEER.



SPACING DIAGRAM FOR DOWELS AT EXPANSION JOINTS

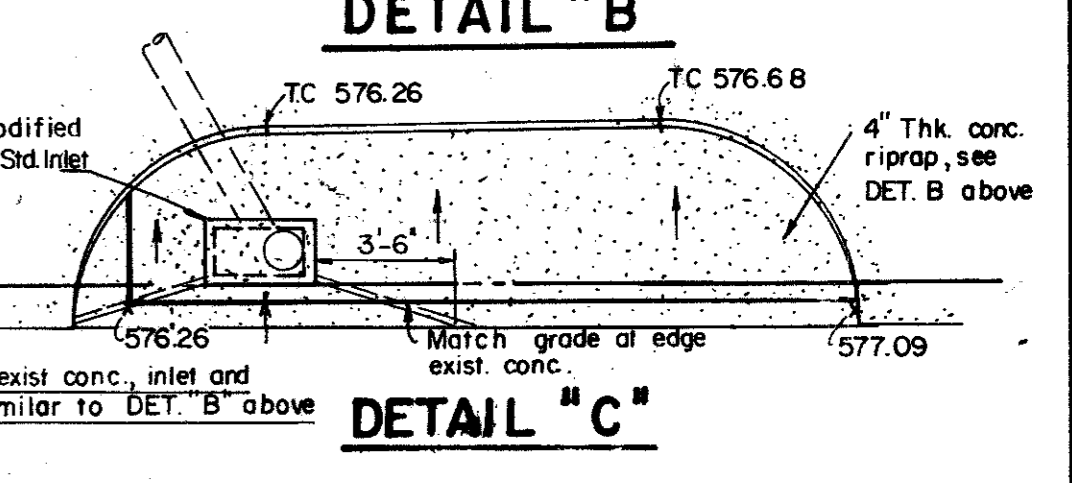
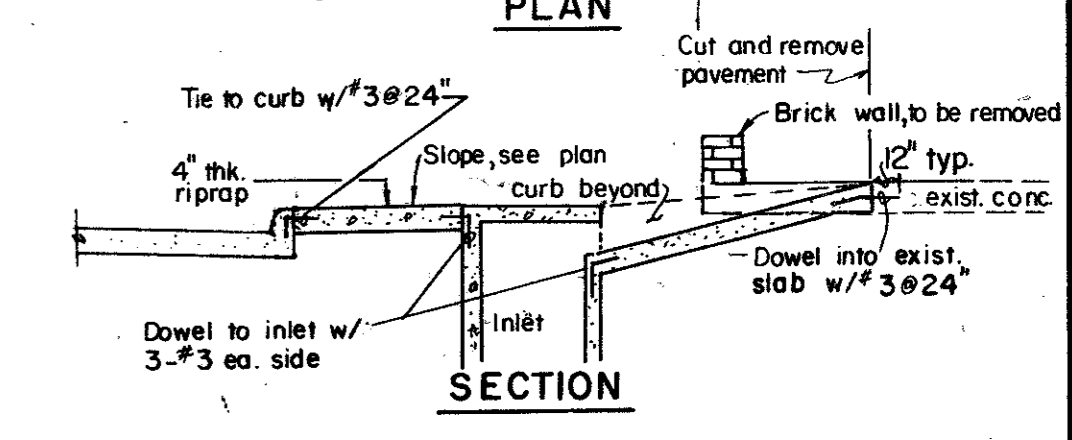
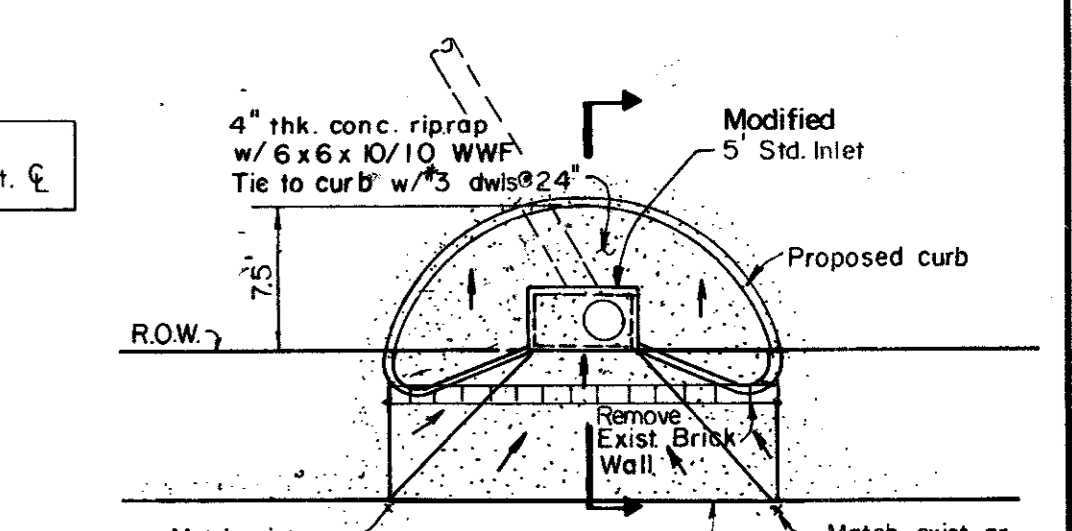
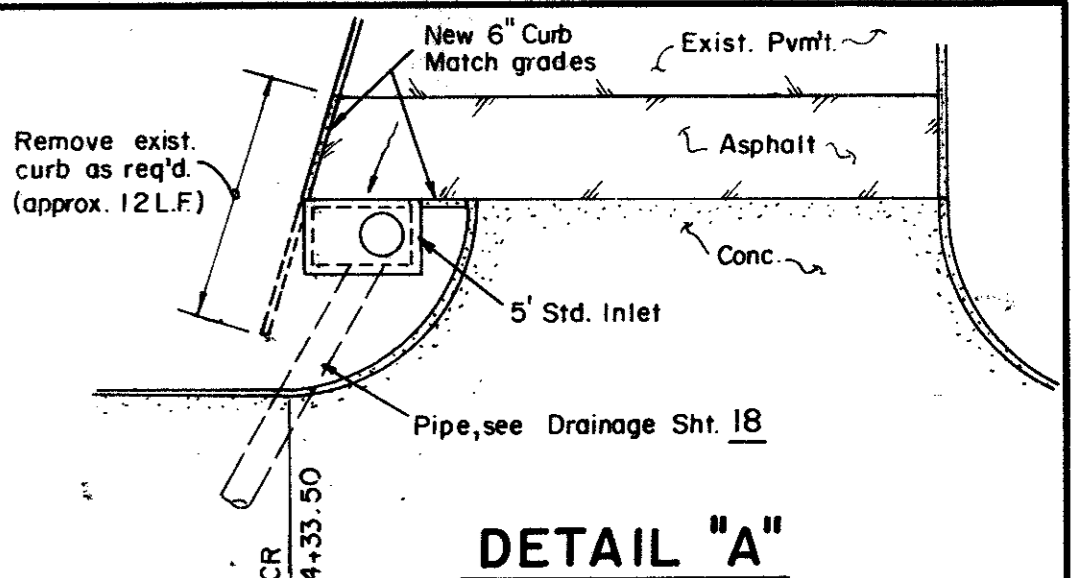
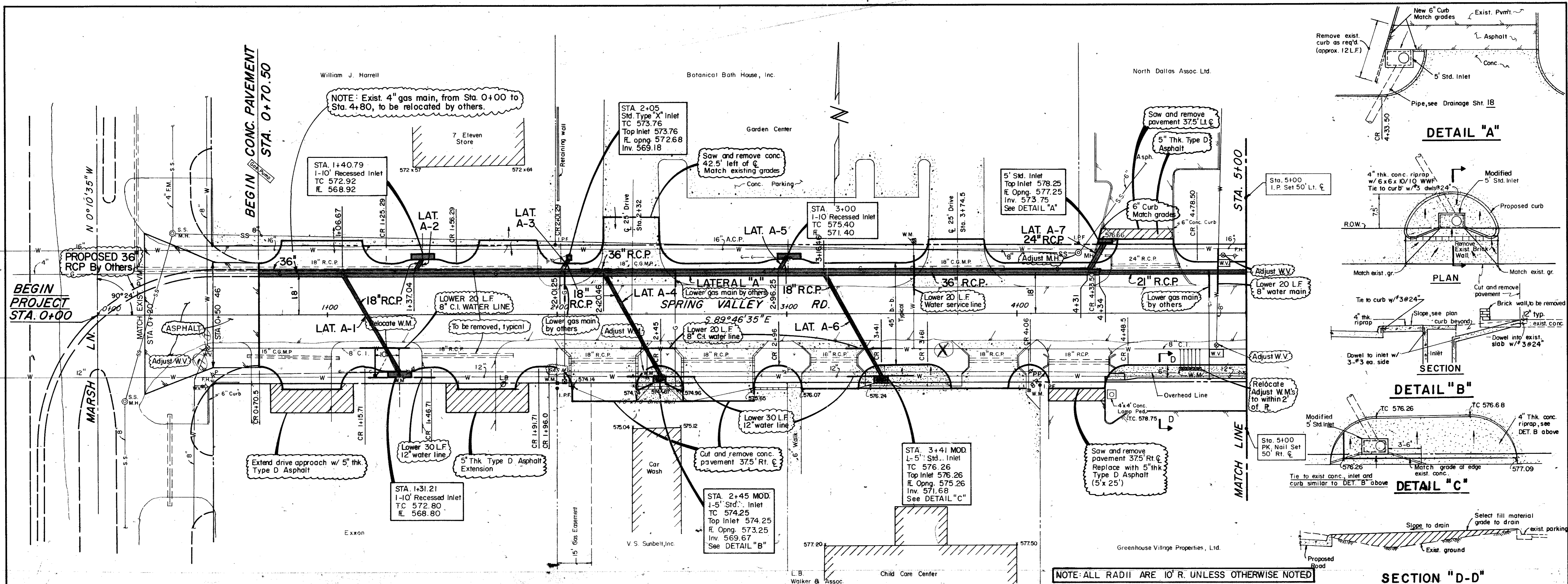
CITY OF ADDISON DALLAS COUNTY, TEXAS			
PAVING DETAILS B			
GINN, INC. Consulting Engineers, Dallas, Texas			
DESIGNED-H.K.	DRAWN-S.M.M.	DATE-	JOB No.
APPROVED-H.G.	CHECKED-G.F.	SCALE- NONE	SHEET 16 OF



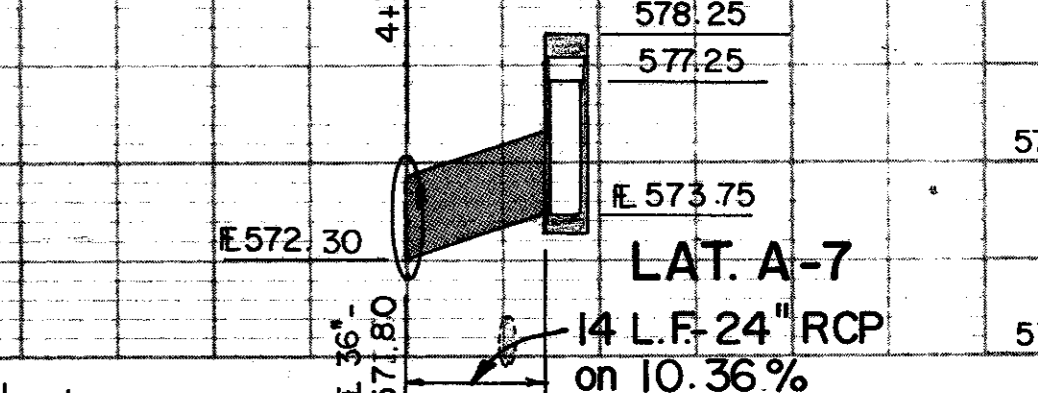
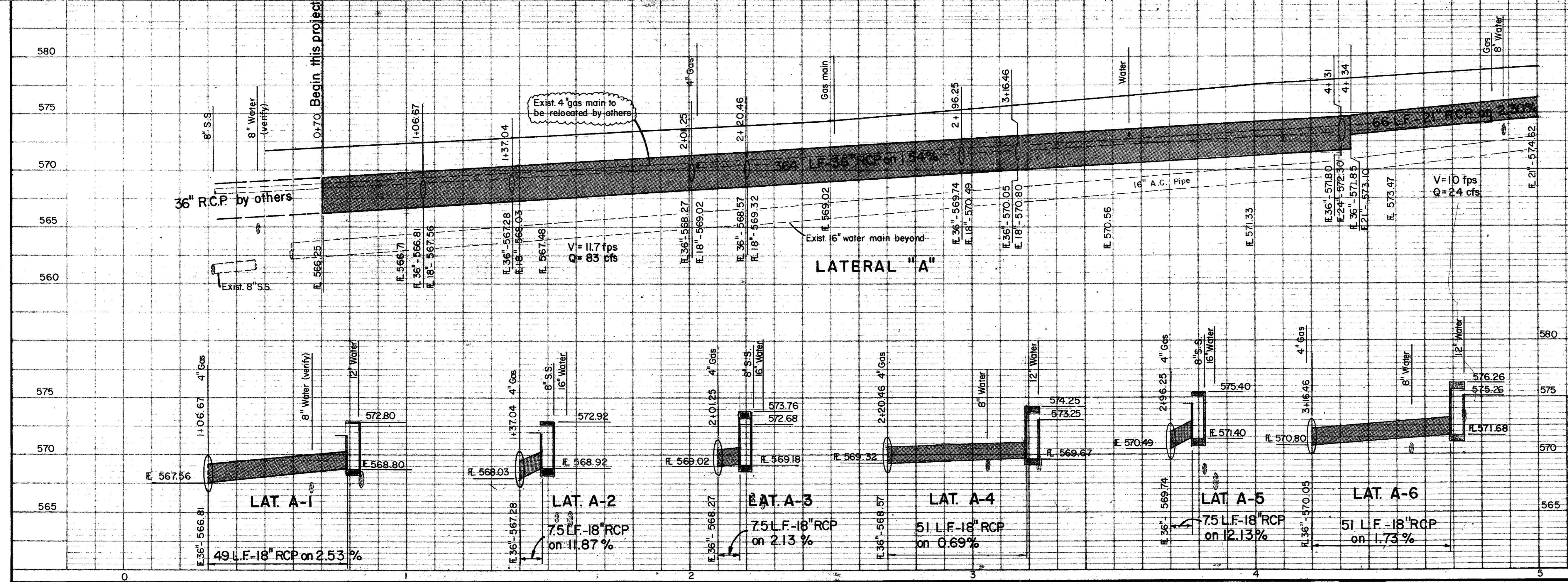
DRAINAGE AREA MAP
SCALE: 1" = 200'

Q_{10} (c.f.s.)
 Q_{100} (c.f.s.)
 A = Area (acres)
 Area Designation

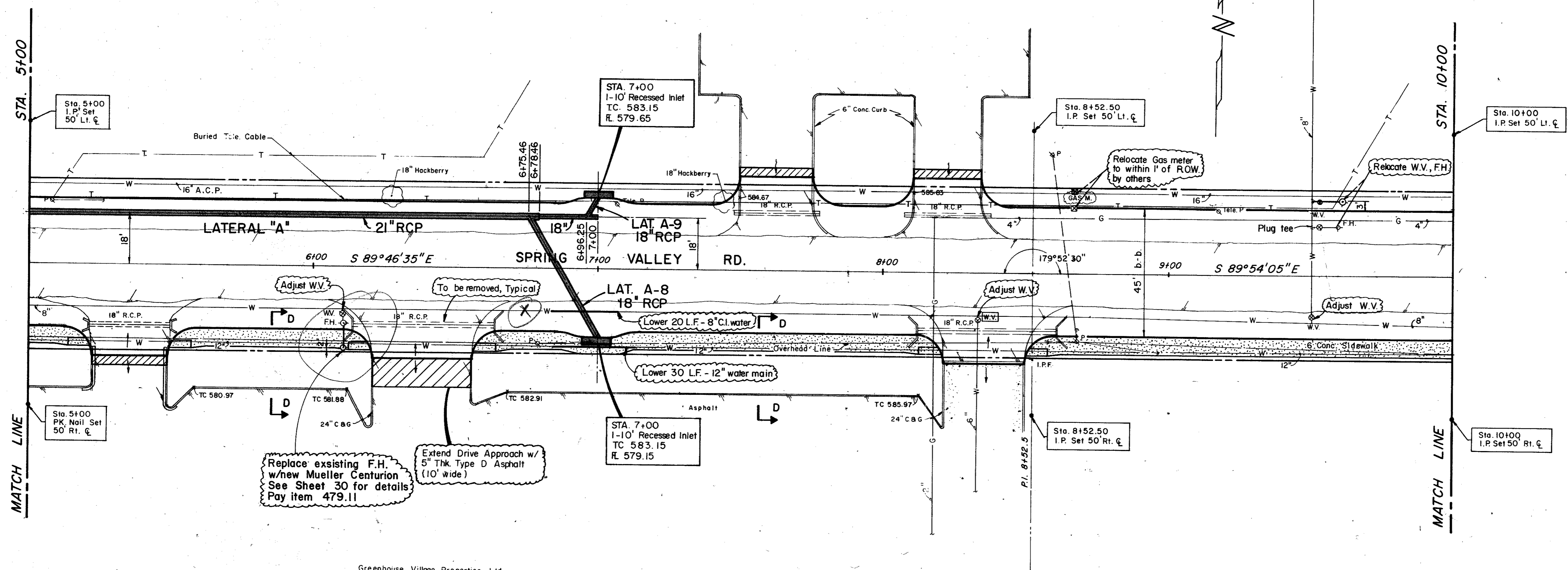
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE AREA MAP			
GINN, INC. Consulting Engineers - Dallas, Texas			
Designed- WK	Drawn- G.F.	Date-	Job No. J-178
Approved-	Checked-	Scale- 1" = 200'	Sheet 17 of



NOTE: (Typical ALL sheets)
 CONTRACTOR SHALL EXPOSE AND VERIFY ELEVATION OF EXISTING UTILITIES PRIOR TO LOWERING OR ADJUSTMENT AND SHALL NOTIFY ENGINEER, IN WRITING, OF DISCREPANCIES W/ ELEVATIONS AS INDICATED ON PLAN.



No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 0+00 to STA. 5+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 18 of

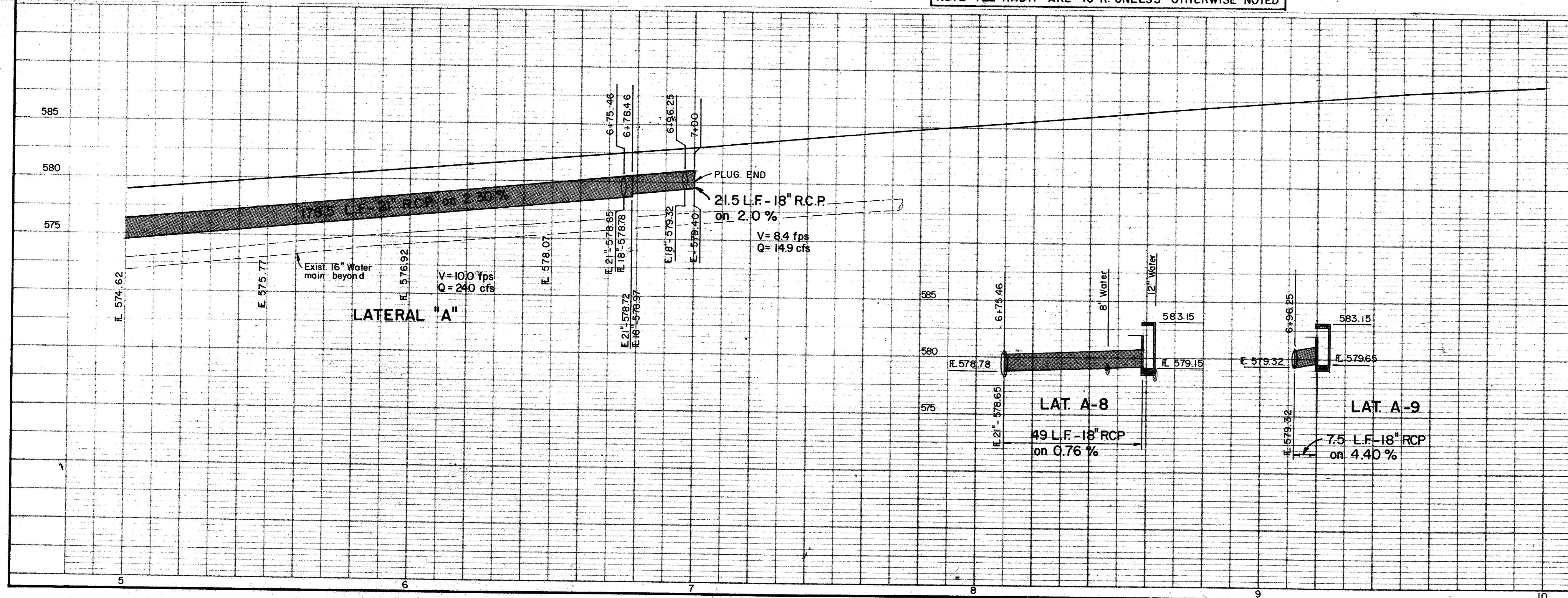


Greenhouse Village Properties, Ltd.

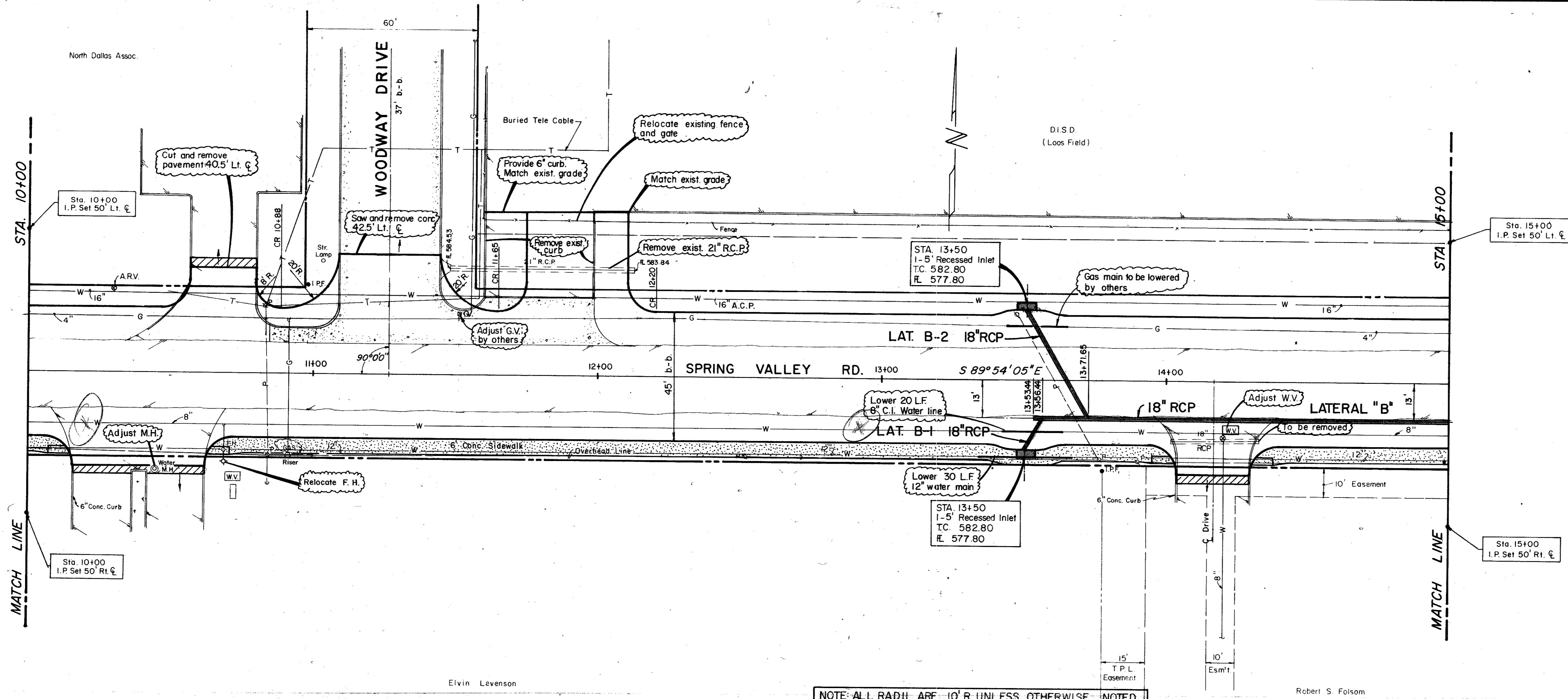
Elvin Levenson

FOR SECTION D-D, SEE SHT. 4

NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED



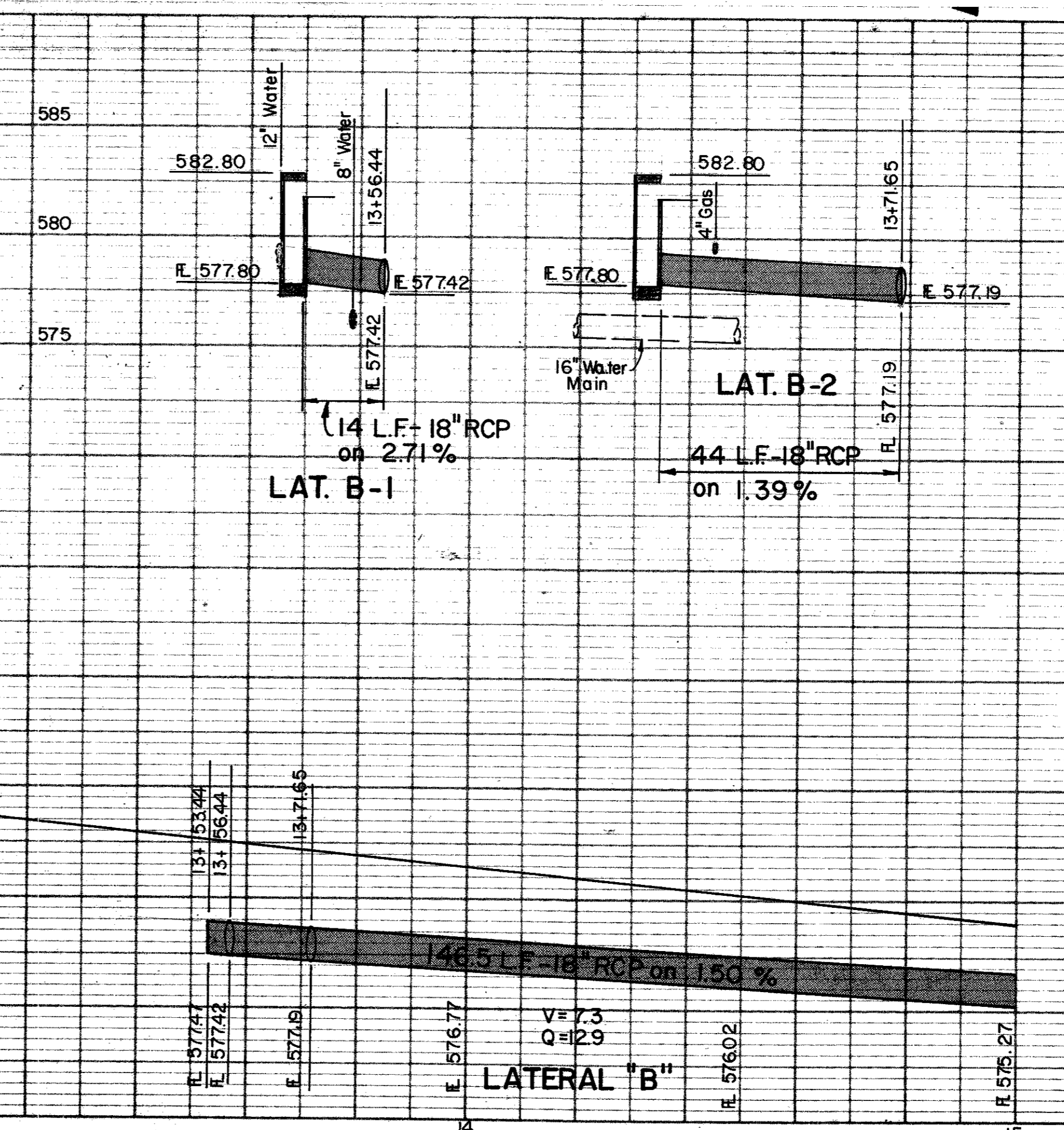
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD DRAINAGE - STA. 5+00 - to STA. 10+00 GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H, 1" = 5' V.	Sheet 19 of



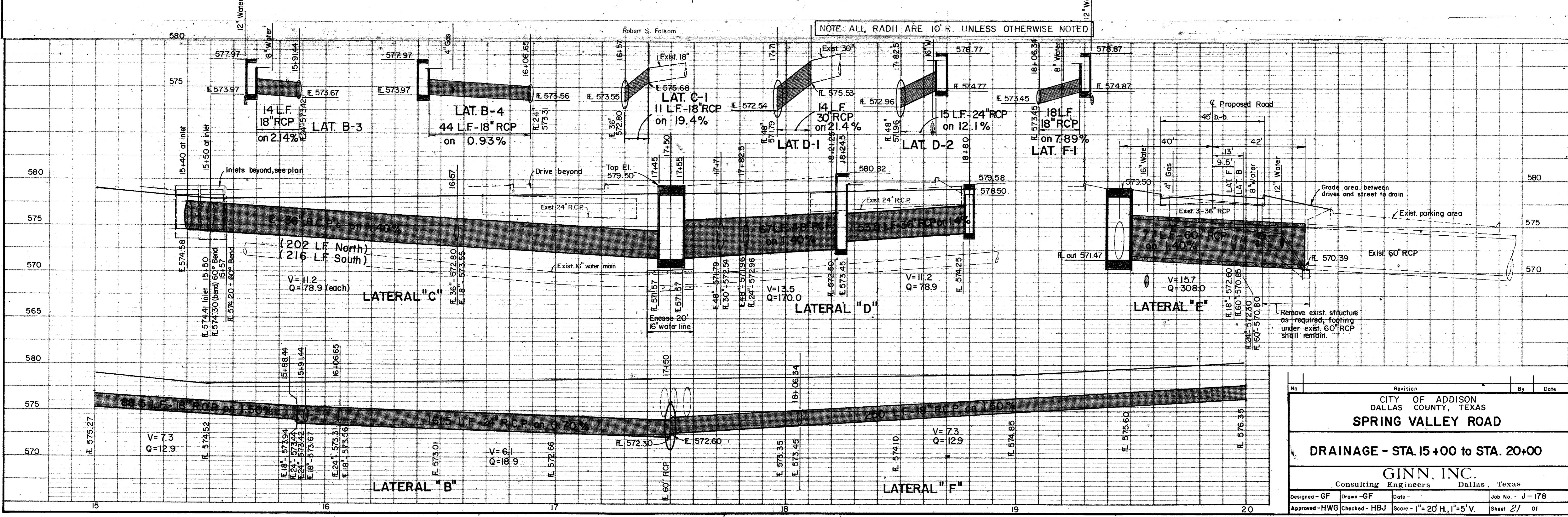
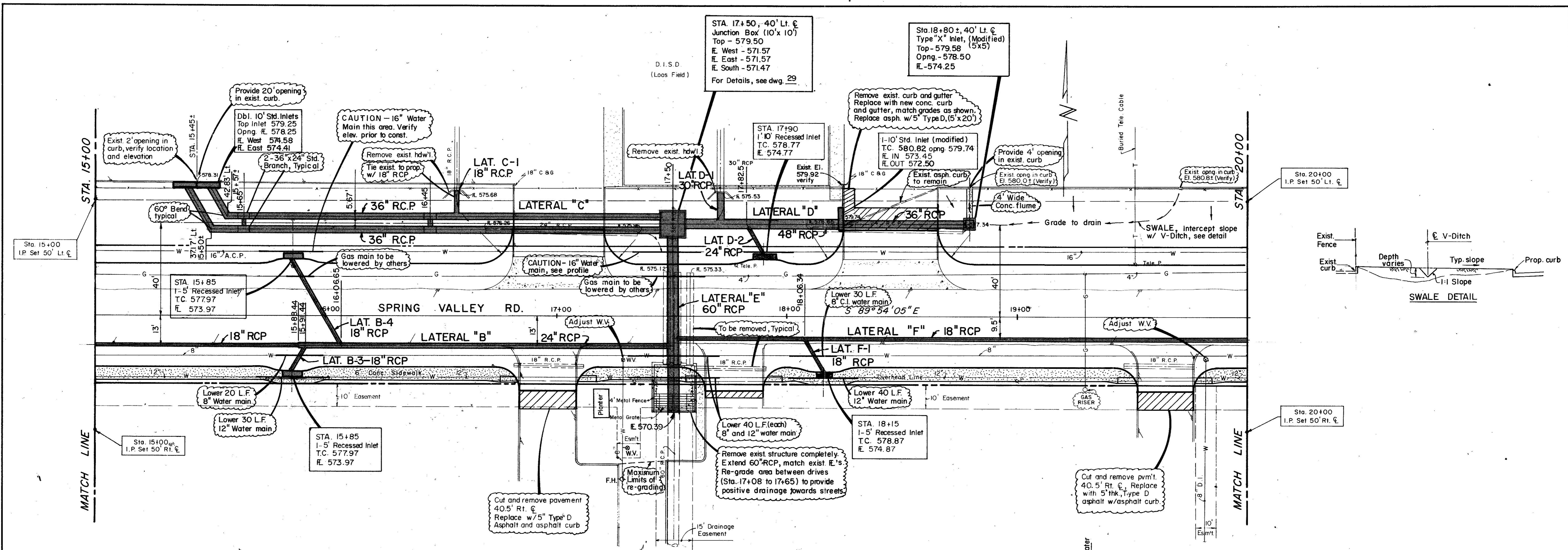
NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED

Elvin Levenson

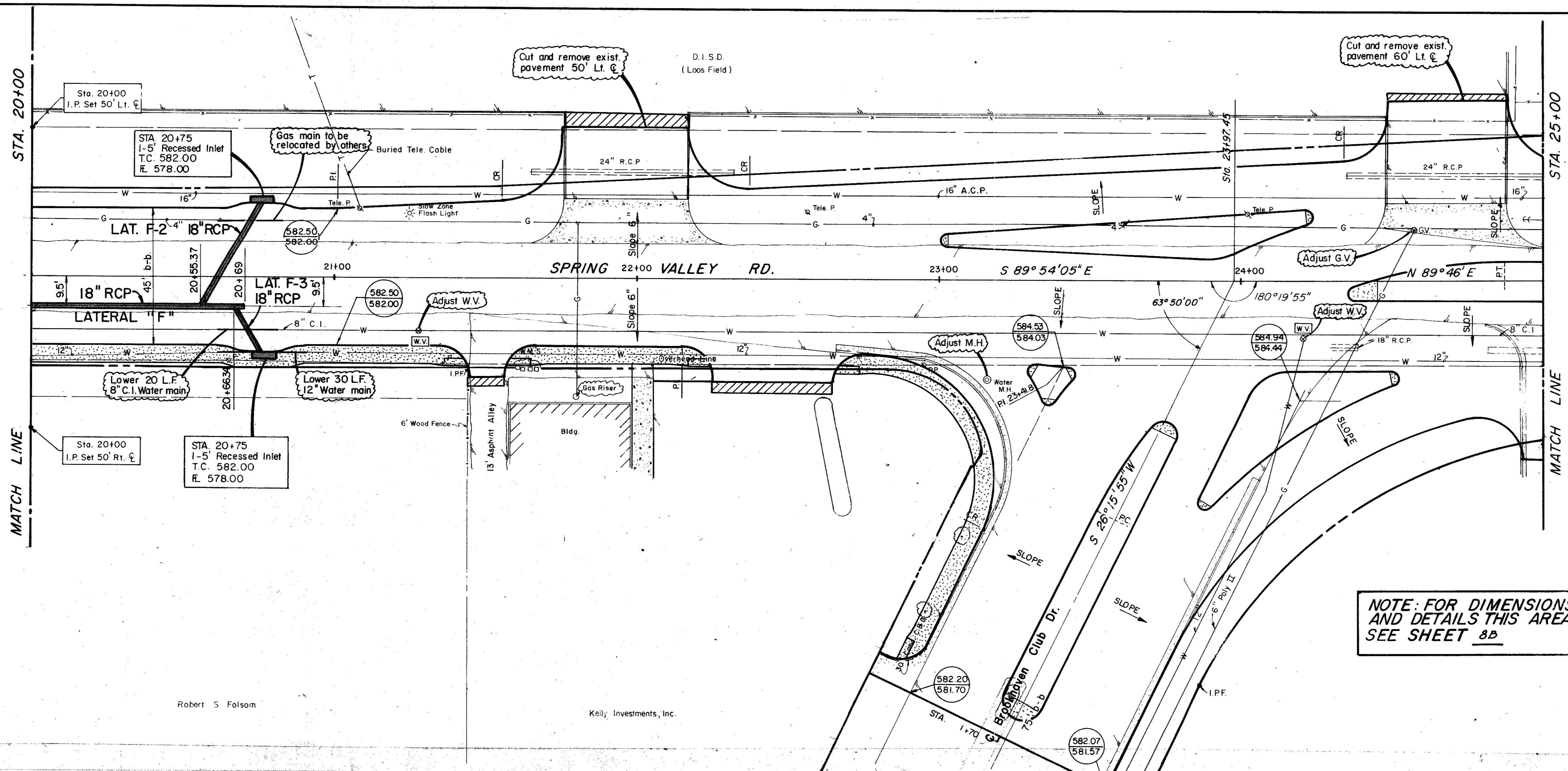
Robert S. Folsom



No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD DRAINAGE - STA. 10+00 to STA. 15+00 GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 20 of



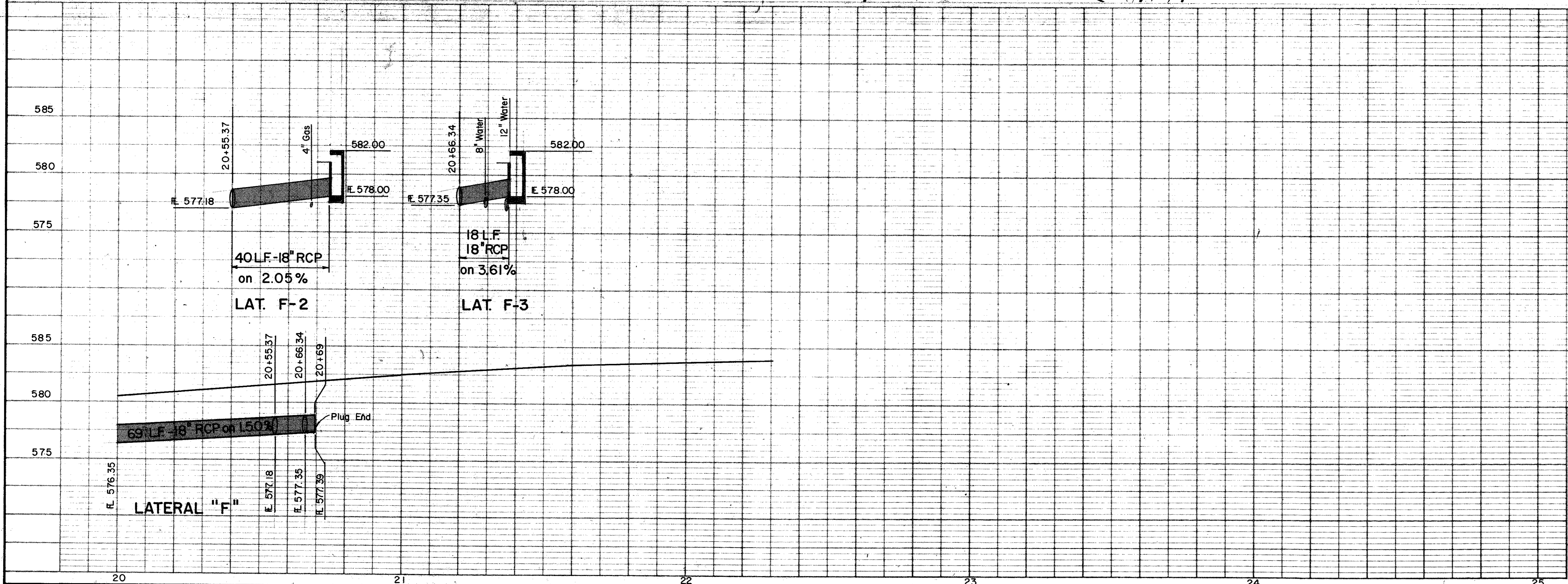
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 15+00 to STA. 20+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H, 1" = 5' V.	Sheet 2/ of



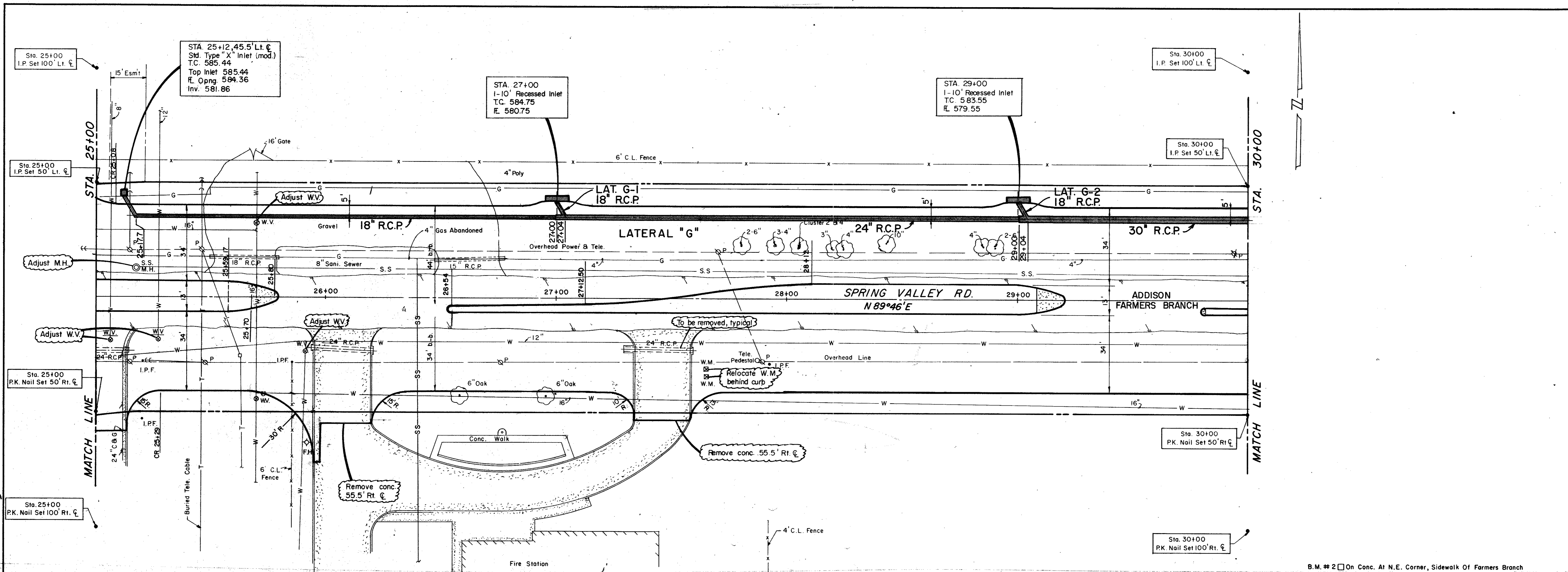
NOTE: FOR DIMENSIONS AND DETAILS THIS AREA SEE SHEET 8B

Robert S Folsom

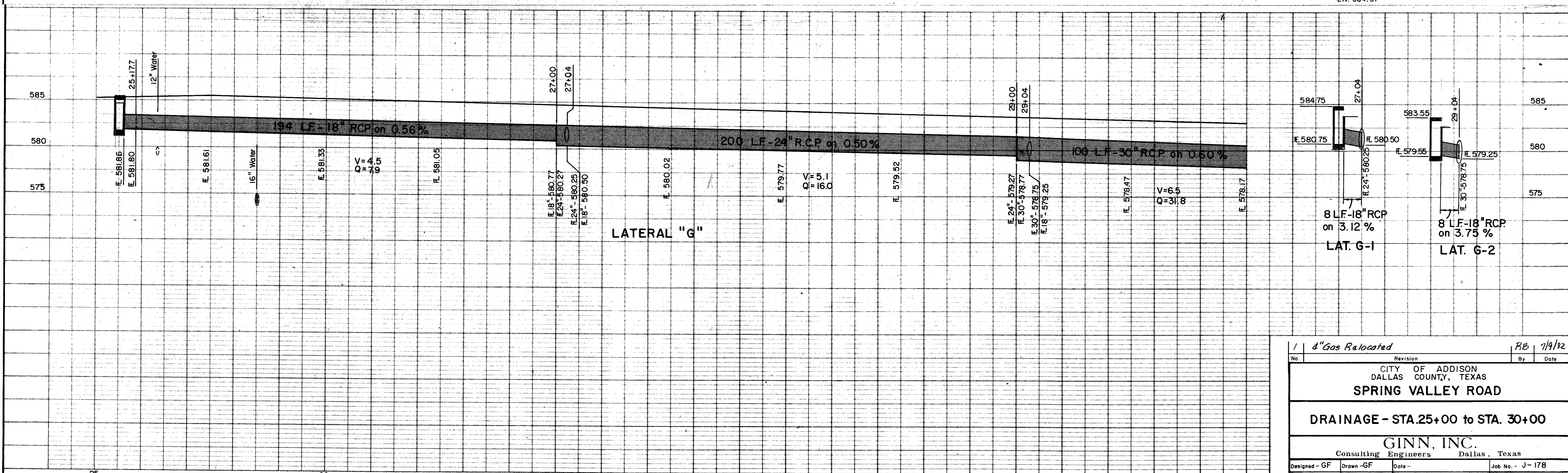
Kelly Investments, Inc.



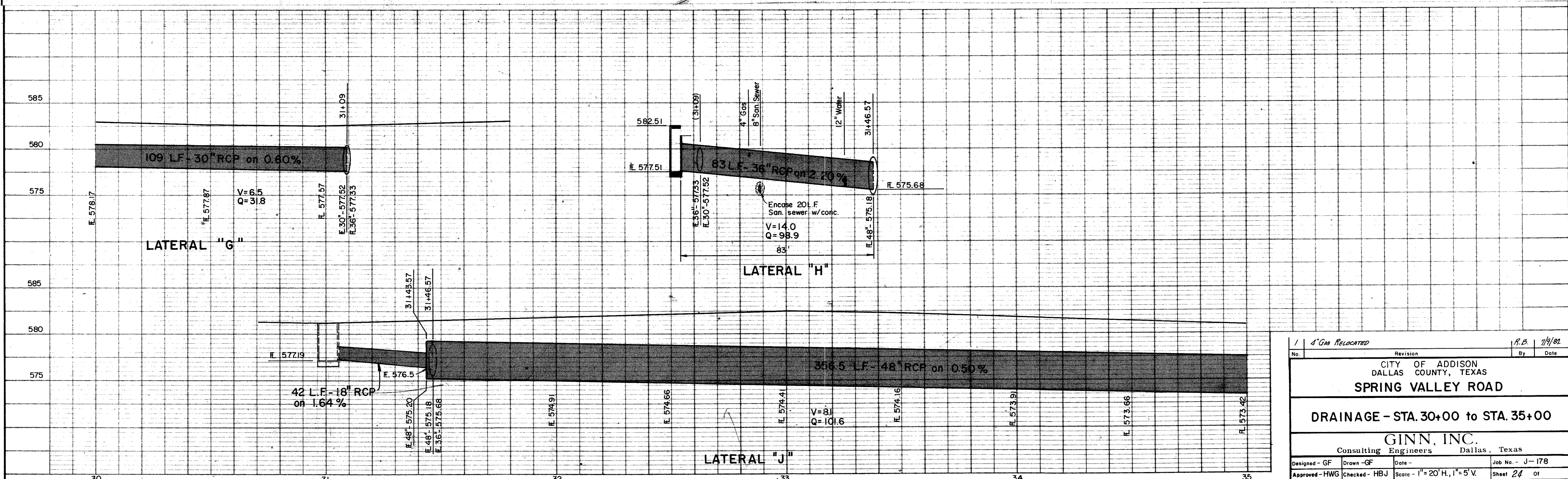
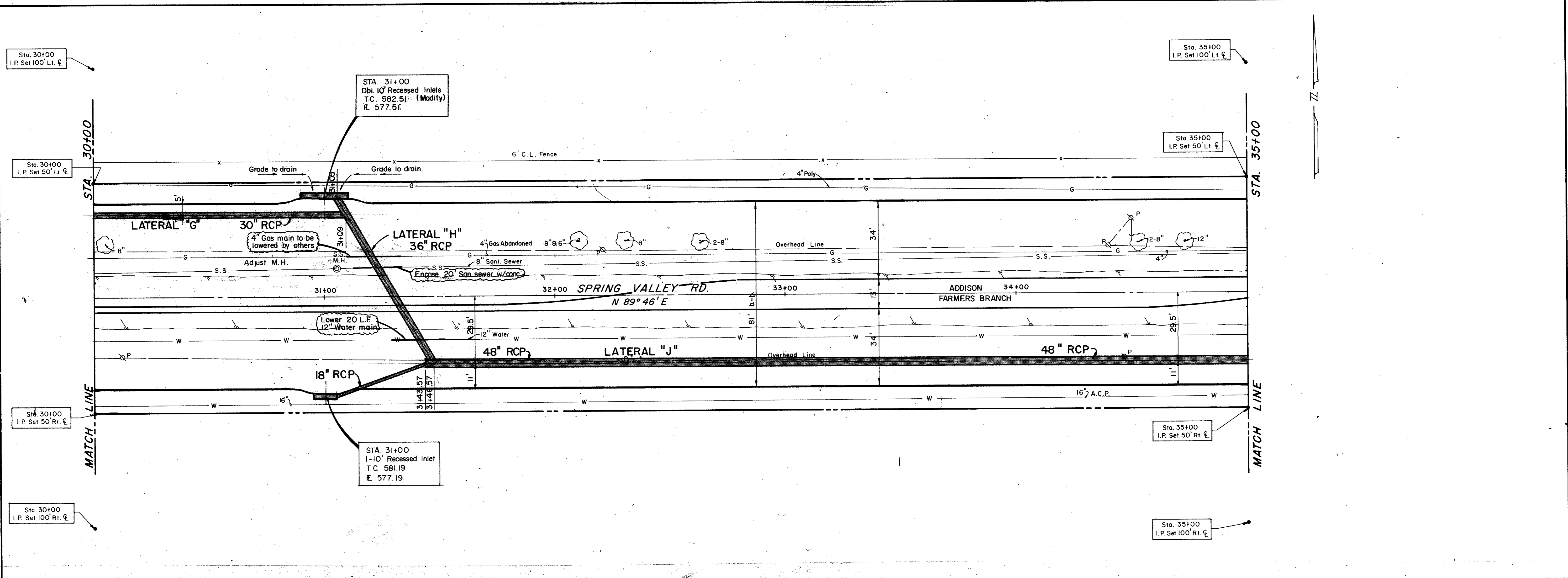
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD DRAINAGE - STA. 20+00 to STA. 25+00 GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBU	Scale - 1"=20'H, 1"=5'V.	Sheet 22 of



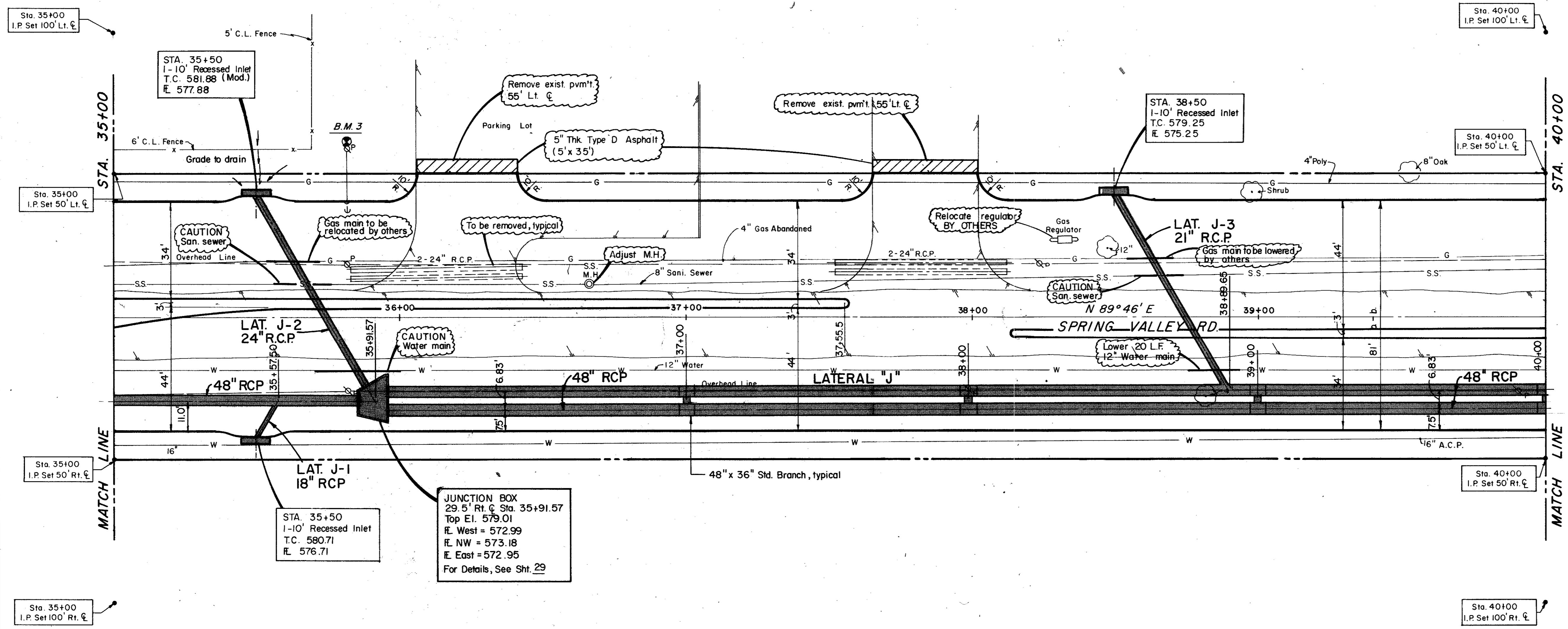
B.M. # 2 On Conc. At N.E. Corner, Sidewalk Of Farmers Branch
 Fire Station No. 2 At N.E. Of Bldg.
 Elev. 584.57



1 4" Gas Relocated		RB	7/19/32
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 25+00 to STA. 30+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HB	Scale - 1" = 20'H, 1" = 5'V.	Sheet 23 of

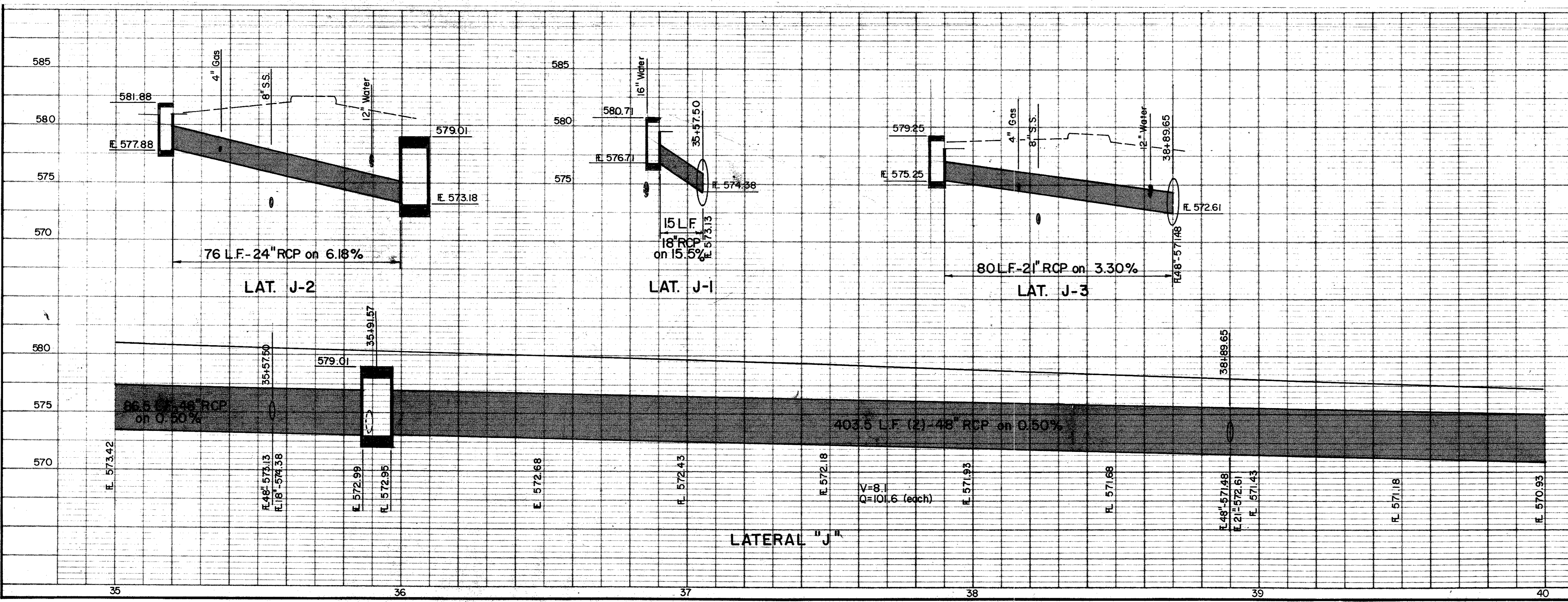


1		4" Gas Relocated	R.B.	1/9/82
No.	Revision			By Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD				
DRAINAGE - STA. 30+00 to STA. 35+00				
GINN, INC. Consulting Engineers Dallas, Texas				
Designed - GF	Drawn - GF	Date -	Job No. - J-178	
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H, 1" = 5' V.	Sheet 24 of	

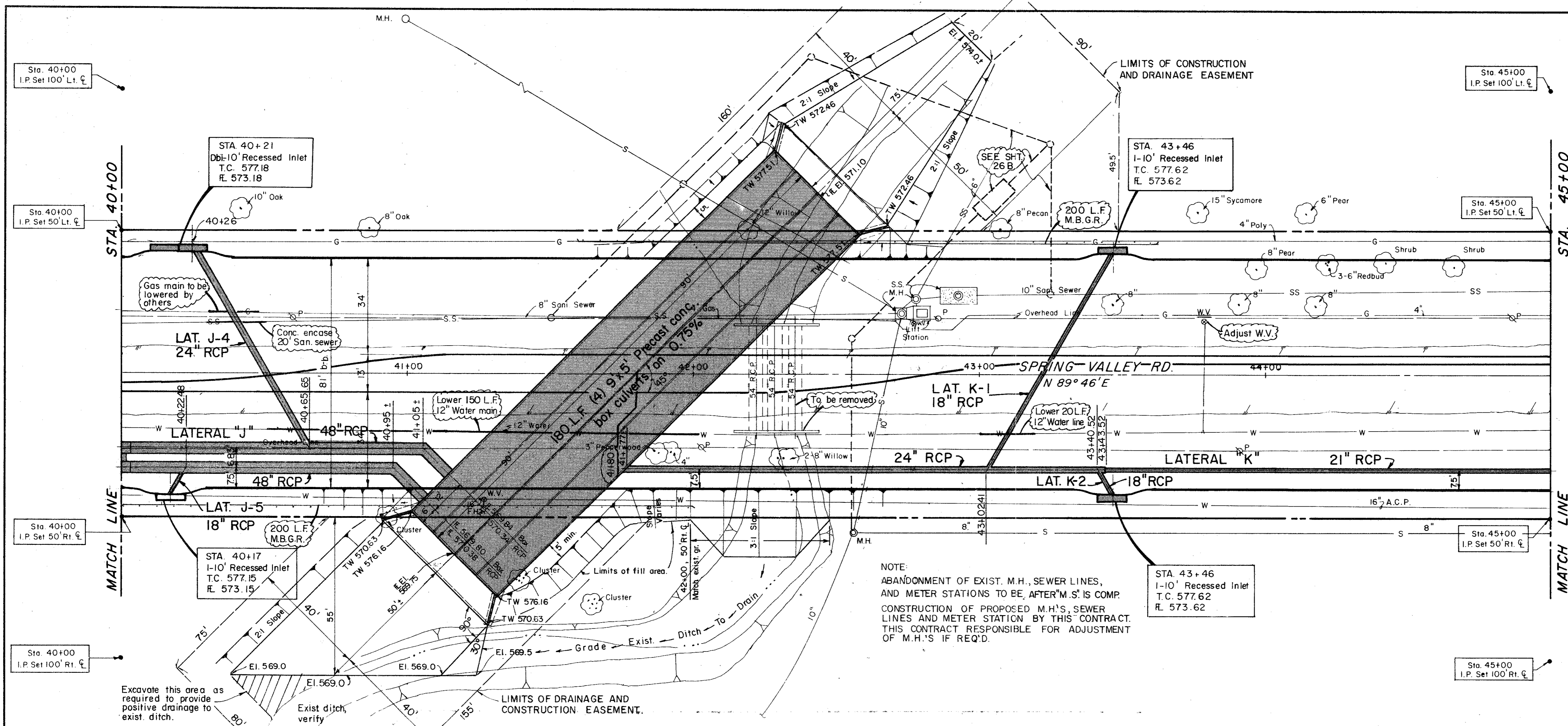


JUNCTION BOX
 29.5' Rt. ☐ Sta. 35+91.57
 Top El. 579.01
 El. West = 572.99
 El. NW = 573.18
 El. East = 572.95
 For Details, See Sht. 29

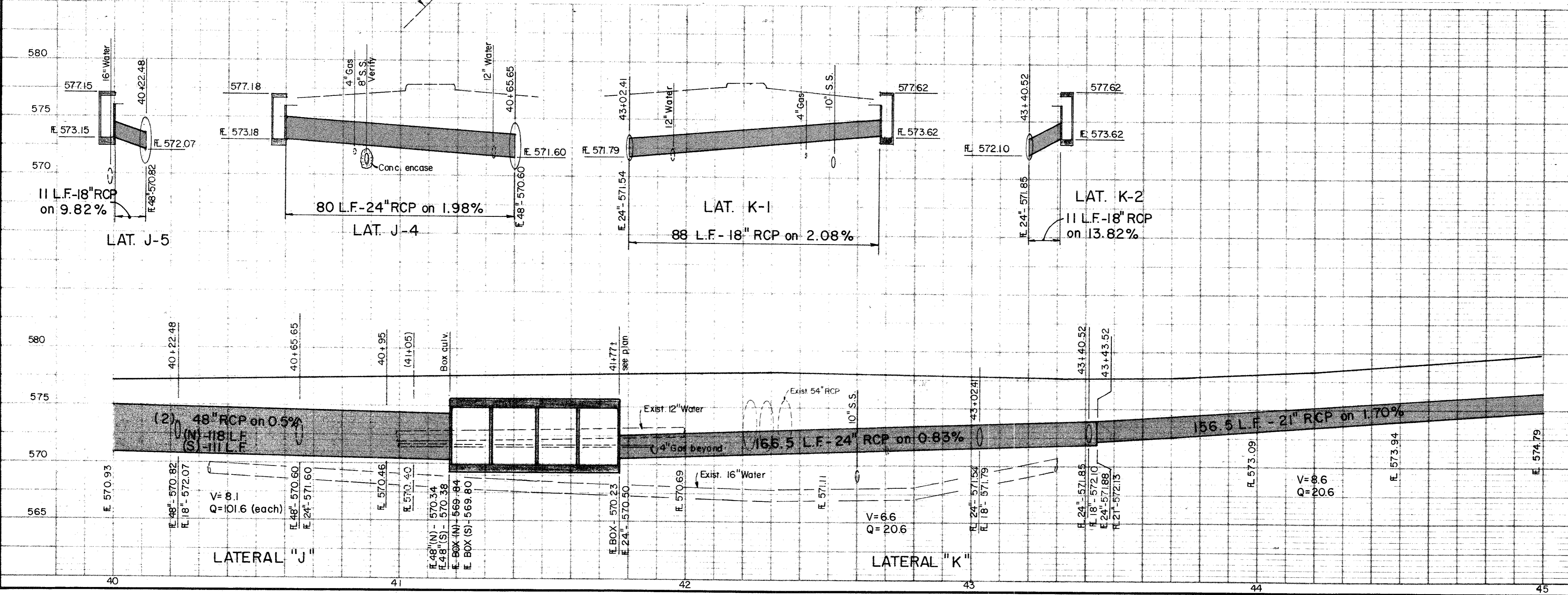
B.M. #3 R.R. Spike On P.P., North Spring Valley Rd.
 Sta. 35+83.65' Lt. ☐.
 Elev. 583.50



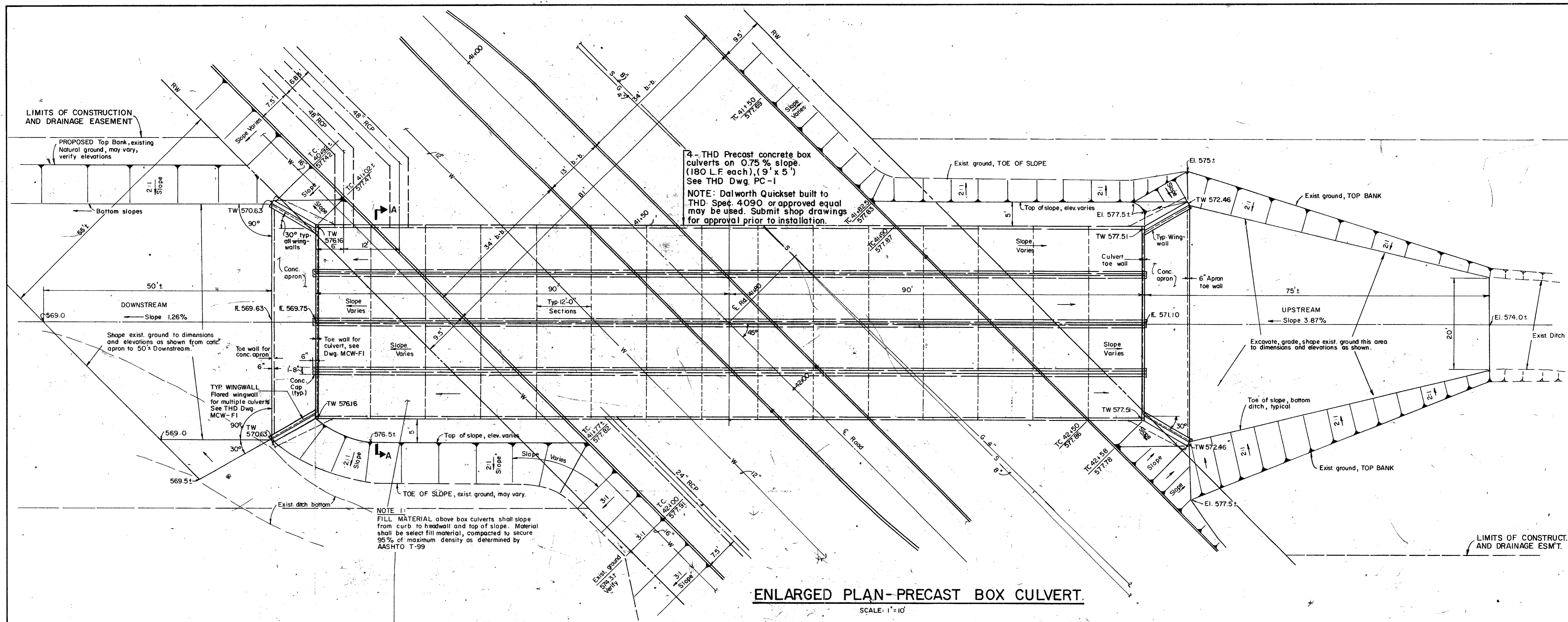
1	4" Gas Relocated	RB	7/9/82
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 35+00 to STA. 40+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 25 of



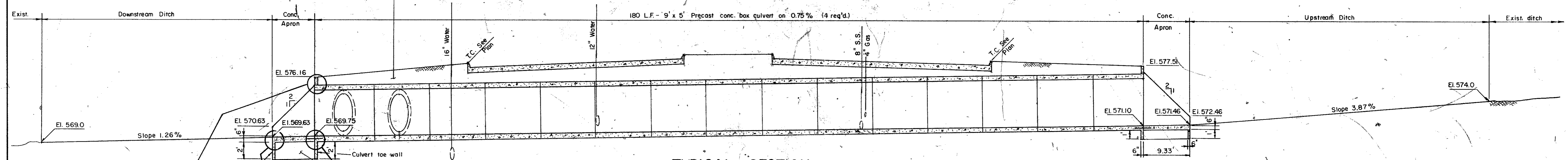
NOTE:
 ABANDONMENT OF EXIST. M.H., SEWER LINES,
 AND METER STATIONS TO BE, AFTER 'M.S.' IS COMP.
 CONSTRUCTION OF PROPOSED M.H.'S, SEWER
 LINES AND METER STATION BY THIS CONTRACT.
 THIS CONTRACT RESPONSIBLE FOR ADJUSTMENT
 OF M.H.'S IF REQ'D.



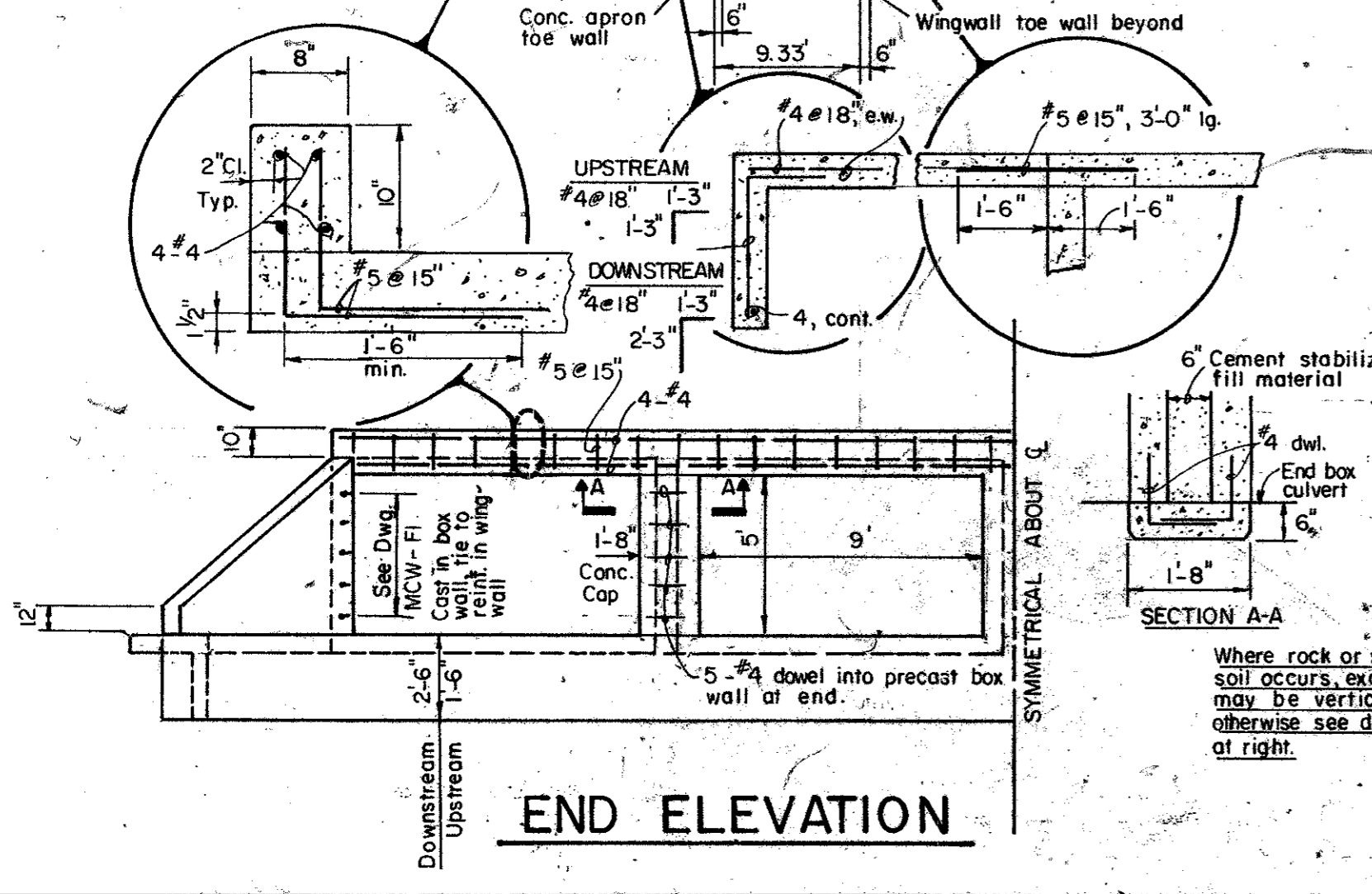
1 4" Gas Relocated		8/5	7/9/82
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 40+00 to STA. 45+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 26 of



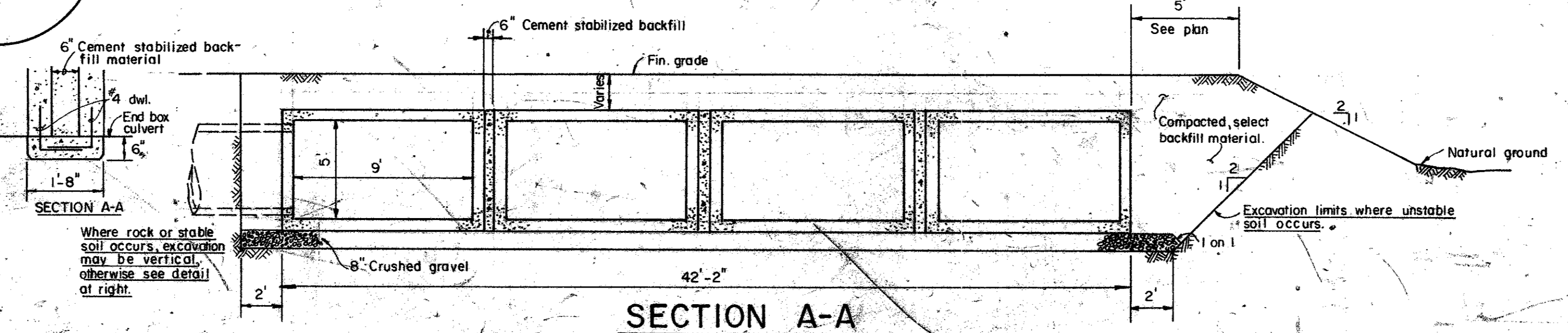
ENLARGED PLAN-PRECAST BOX CULVERT.
SCALE: 1" = 10'



TYPICAL SECTION
SCALE: 1" = 10' H., 1" = 5' V

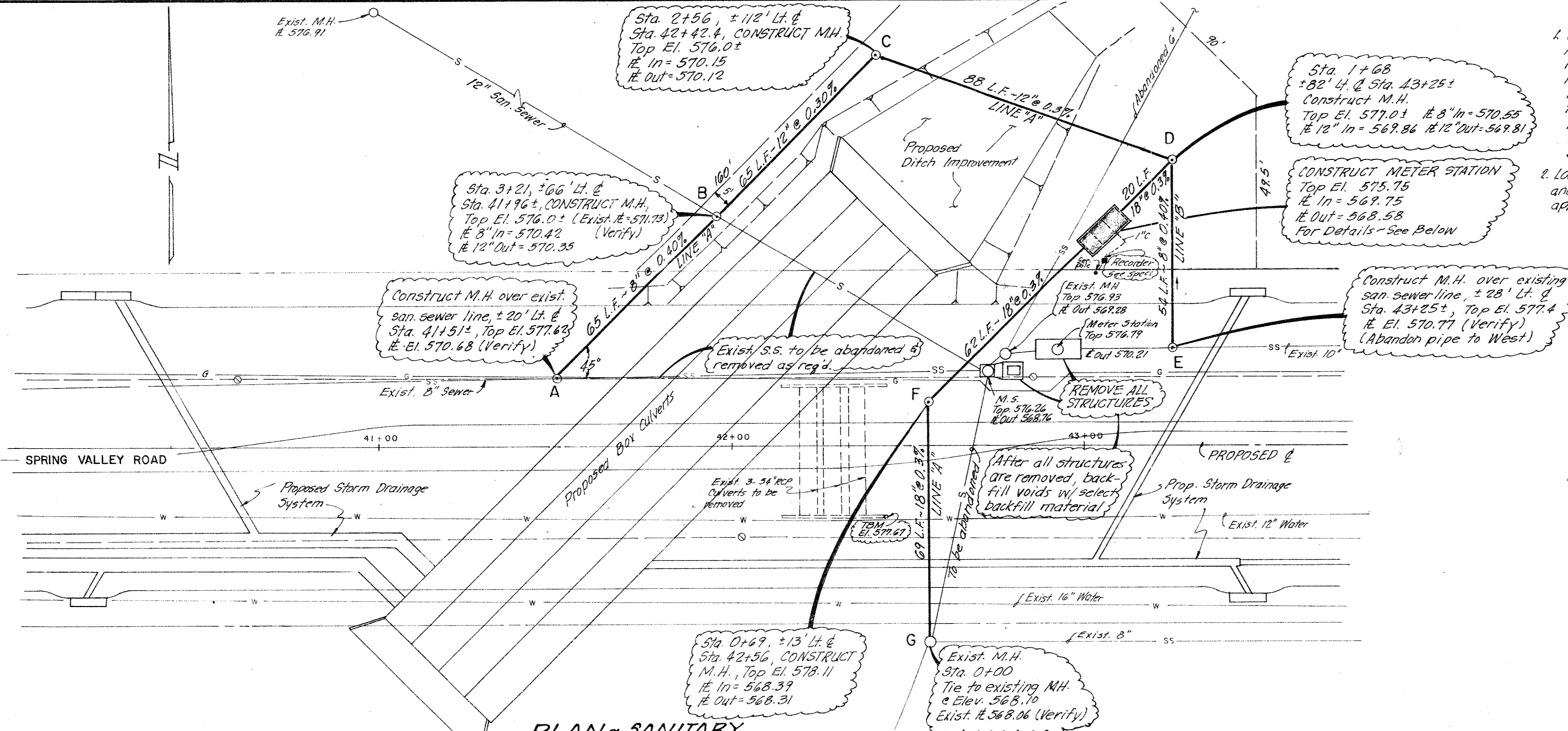


END ELEVATION

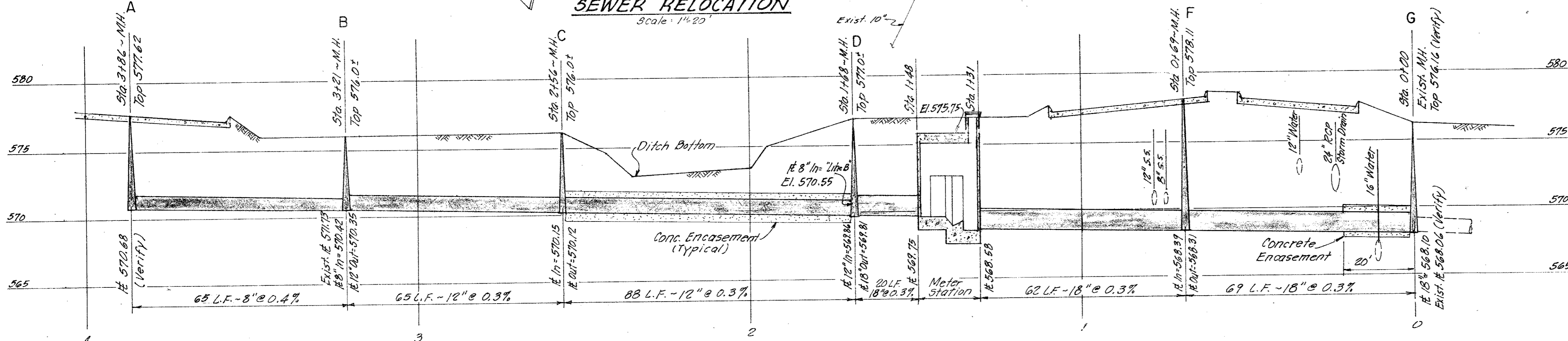


SECTION A-A

CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
TYP. BOX CULVERT DETAILS			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - As Shown	Sheet 26 A of



PLAN - SANITARY SEWER RELOCATION
Scale: 1" = 20'

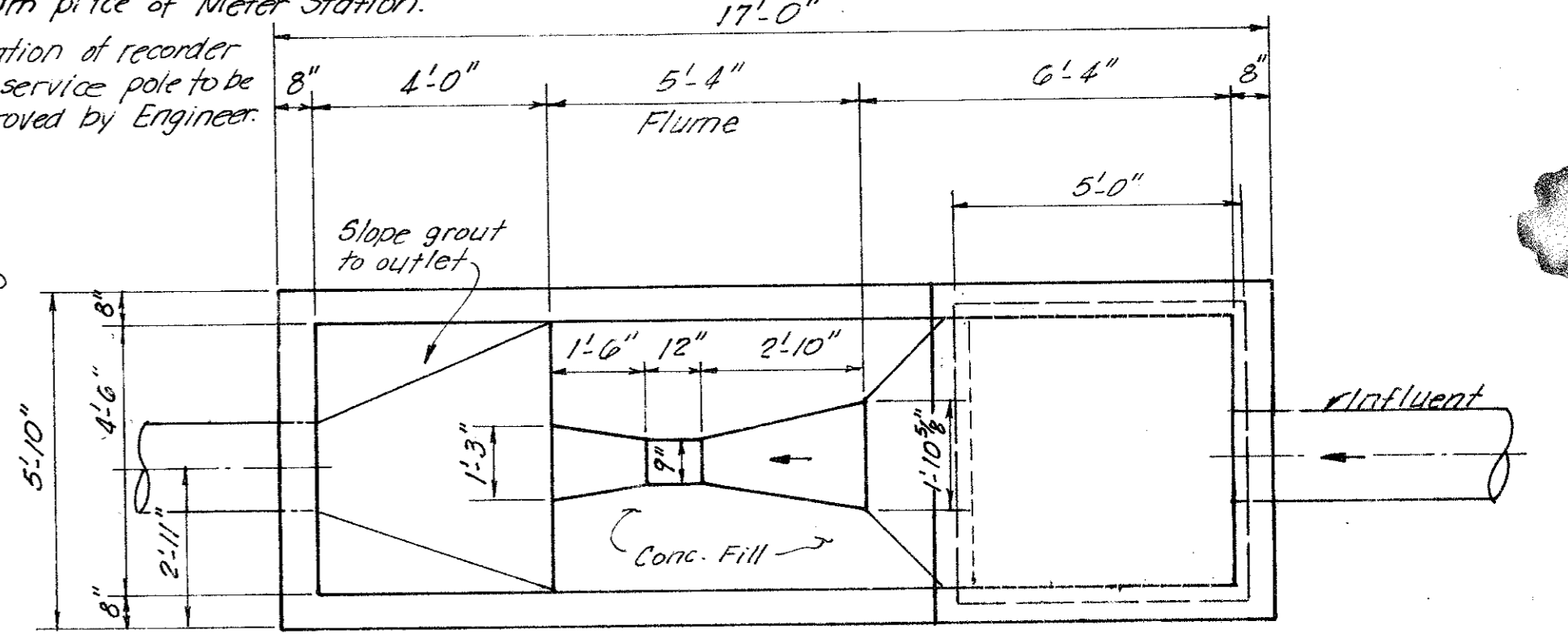


PROFILE
Scale: 1" = 20' H, 1" = 5' V

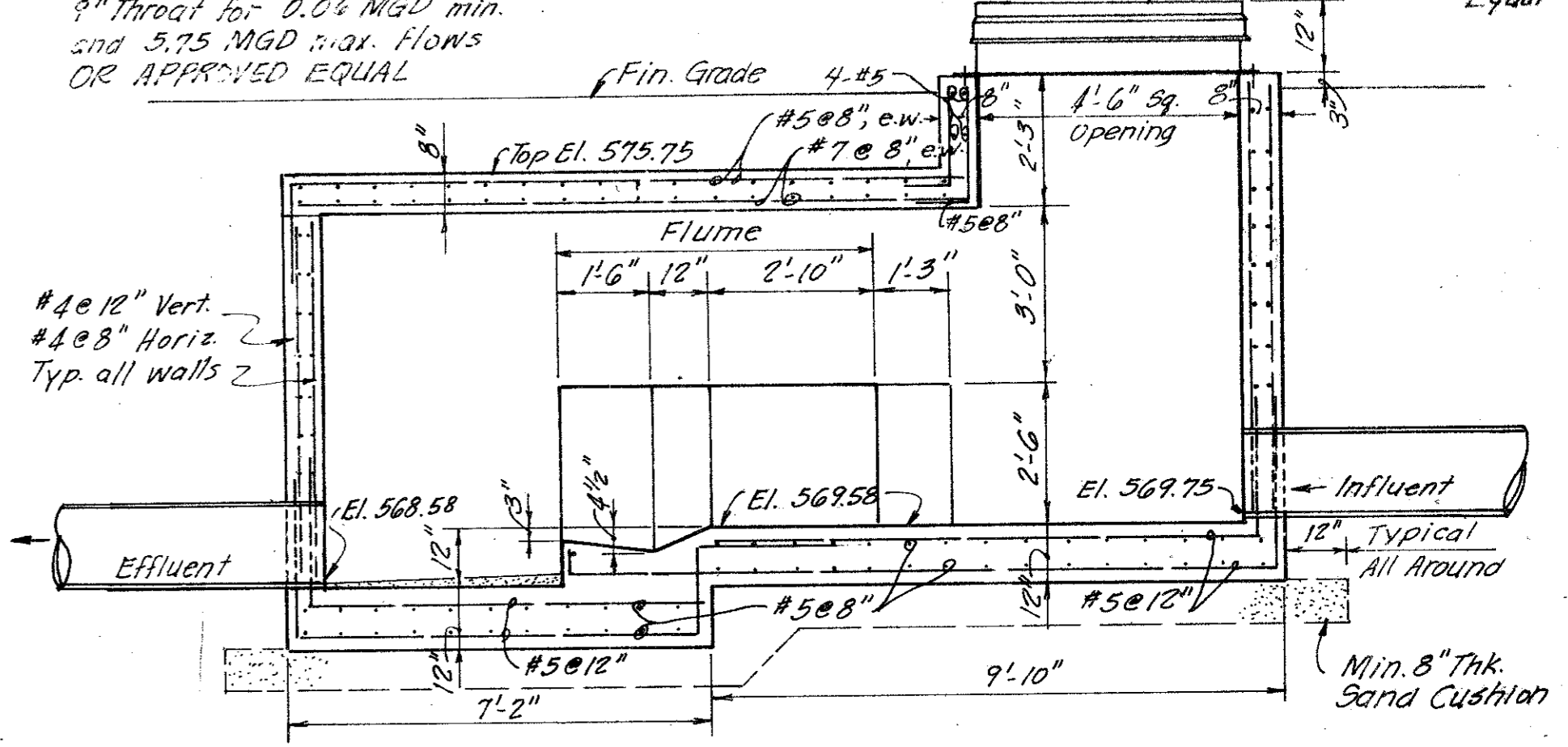
GENERAL NOTES

1. Roof scuttle to be Type "SS" as manufactured by The Bilco Company, or approved equal. Cover shall be 14 gauge galvanized steel prime painted with 3" beaded flange. Curb shall be 12" in height and of 14 gauge steel. Flange with holes shall be provided for securing to concrete. All hardware, accessories, equipment and installation shall be in accordance with manufacturer's instructions. Contractor shall provide outside padlock hasp.
2. Ultrasonic flow meter shall be BADGER METER, INC. model UH210B, or approved equal and shall consist of a recorder with a remotely mounted sensor. The sensor shall be permanently mounted as per manufacturer's recommendations. The recorder shall contain all necessary circuitry to utilize the signal from the sensor and shall record and totalize the (depth/flow) signal. The unit shall be enclosed in an outdoor housing suitable for pole mounting. The signaling cable, supplied by manufacturer, shall be connected to the recorder from the sensor junction box by means of an exclusive 1" rigid, continuous, watertight metallic conduit. The sensor shall be positioned according to the manufacturer's approved method. The flowmeter shall be set to record and totalize the signal proportional to the depth/flow, over a measurement range of 0.75 to 3.2 MGD.
3. PARSHALL FLUME liner shall be BIF Model 141, 9" throat for 0.06 MGD to 5.75 MGD flows or approved equal. Liner shall be one piece, molded fiberglass-reinforced polyester, with 1/4" wall thickness; or BADGER METER, Inc. plastic flume capable of handling flows stated above, or approved equal.
4. All concrete shall be Class A, 3000 psi concrete.
5. Reinforcing shall conform to ASTM A-615, grade 40. Provide all necessary reinforcing accessories to hold bars in proper position. All reinforcing shall be detailed in accordance with ACI Standard 315. Provide corner bars of the same size and number as horizontal bars at all corners.
6. Contractor shall submit shop drawings in accordance with ACI Standards, latest edition, for approval prior to any construction being done, showing all information as to exact location, size, number; bending, splicing and placing schedules and lists of reinforcement. No work shall commence on structure until approval of shop drawings is received.
7. Poured-in-place concrete or brick manholes, frames and covers, shall be built in accordance with City of Addison Standards. No pre-cast concrete manholes will be allowed.
8. Sanitary sewer pipes (18" and smaller) shall be extra strength vitrified clay pipe and shall conform to ASTM C700. Joints shall conform to ASTM C425 for compression joints for vitrified clay pipe and fittings. Installation shall be in accordance with ASTM Recommended Practice C12.
9. Sanitary sewer pipes (larger than 18") shall be reinforced concrete sewer pipe, tongue and groove type, conforming to ASTM C76, Class III. Joints shall have rubber gaskets conforming to ASTM C443.
10. PVC gravity sewer pipe shall conform to ASTM D-3034 (SDR 35) with integral bell gasketed joints conforming to ASTM D3212. Gaskets shall conform to ASTM F477. Installation shall be in accordance with ASTM D2321-74, Recommended Practice for Underground Installation of Flexible Thermoplastic Sewer Pipe.
11. Concrete encasement shall be 2500 psi concrete.
12. Bedding, backfilling and pavement repair shall be in accordance with City of Addison Standard Specifications, or as shown on the drawings.

NOTE:
1. Contractor to provide electrical service for operation of meter station. A service pole shall be set @ R.O.W. (See plan). The service pole shall meet City of Addison and TP&L Requirements for the type service intended. The service pole shall have a weatherhead, 1 1/2" C, Meter Disc and breaker box. Underground conduit from pole to recorder to meter station shall be rigid conduit or PVC (if approved by City) Recorder to be mounted on a 9" long, 4" diam. steel conduit, set in concrete (3' deep). NOT A SEPARATE PAY ITEM, included in lump sum price of Meter Station.
2. Location of recorder and service pole to be approved by Engineer.

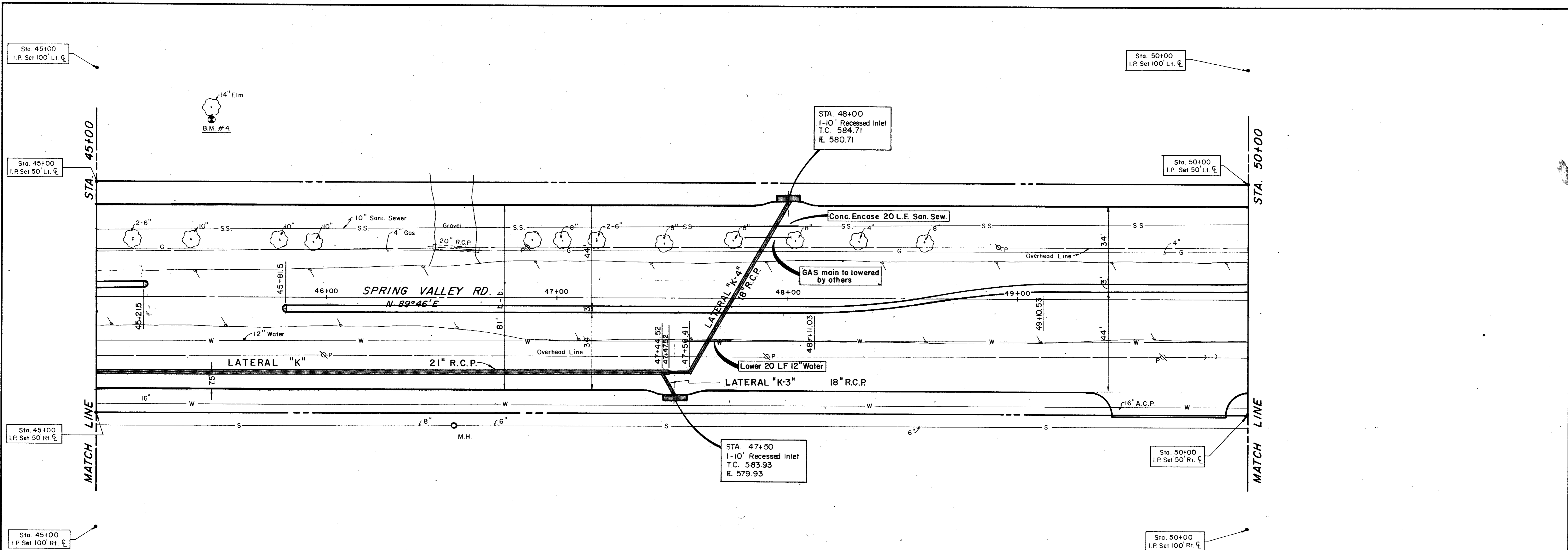


NOTE: Plastic Flume liner shall be BIF Model 141, 9" throat for 0.06 MGD min. and 5.75 MGD max. Flows OR APPROVED EQUAL.
BILCO Roof Scuttle Type "SS" - 4'-6" x 4'-6" 14 Ga. Galv. Steel or Approved Equal

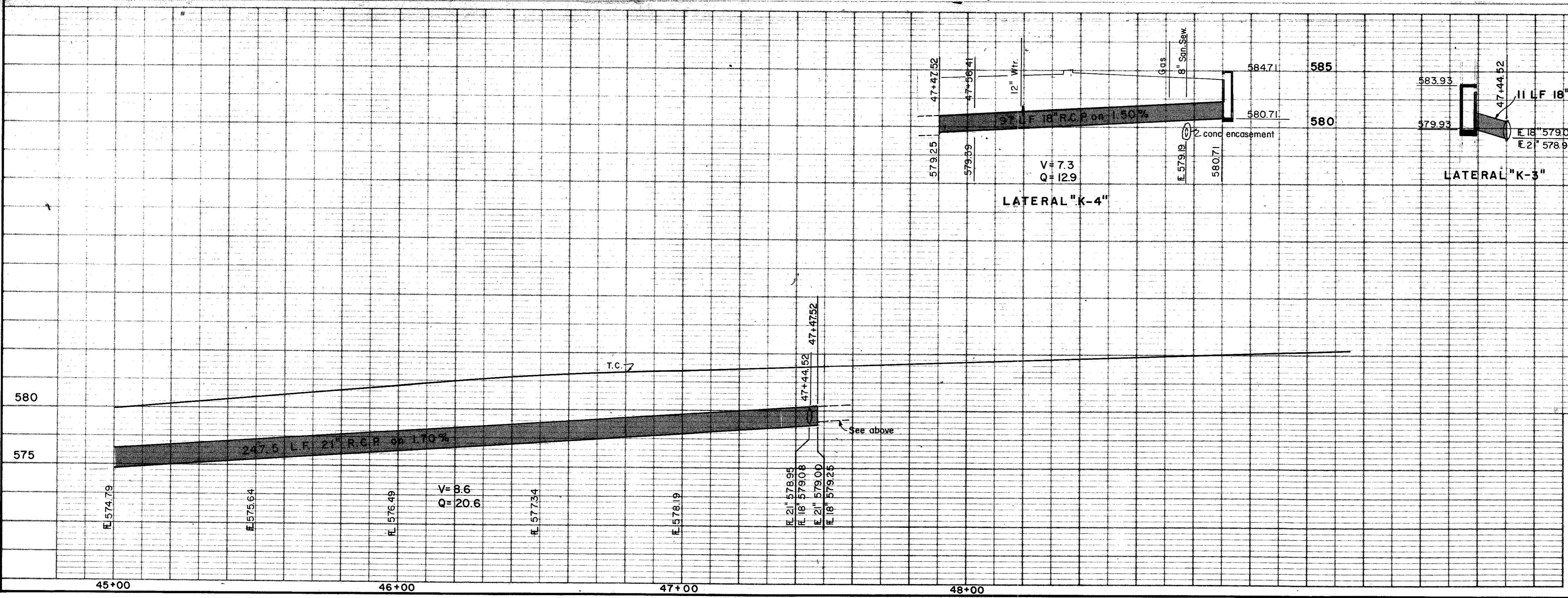


METER STATION DETAIL
Scale: 3/8" = 1'-0"

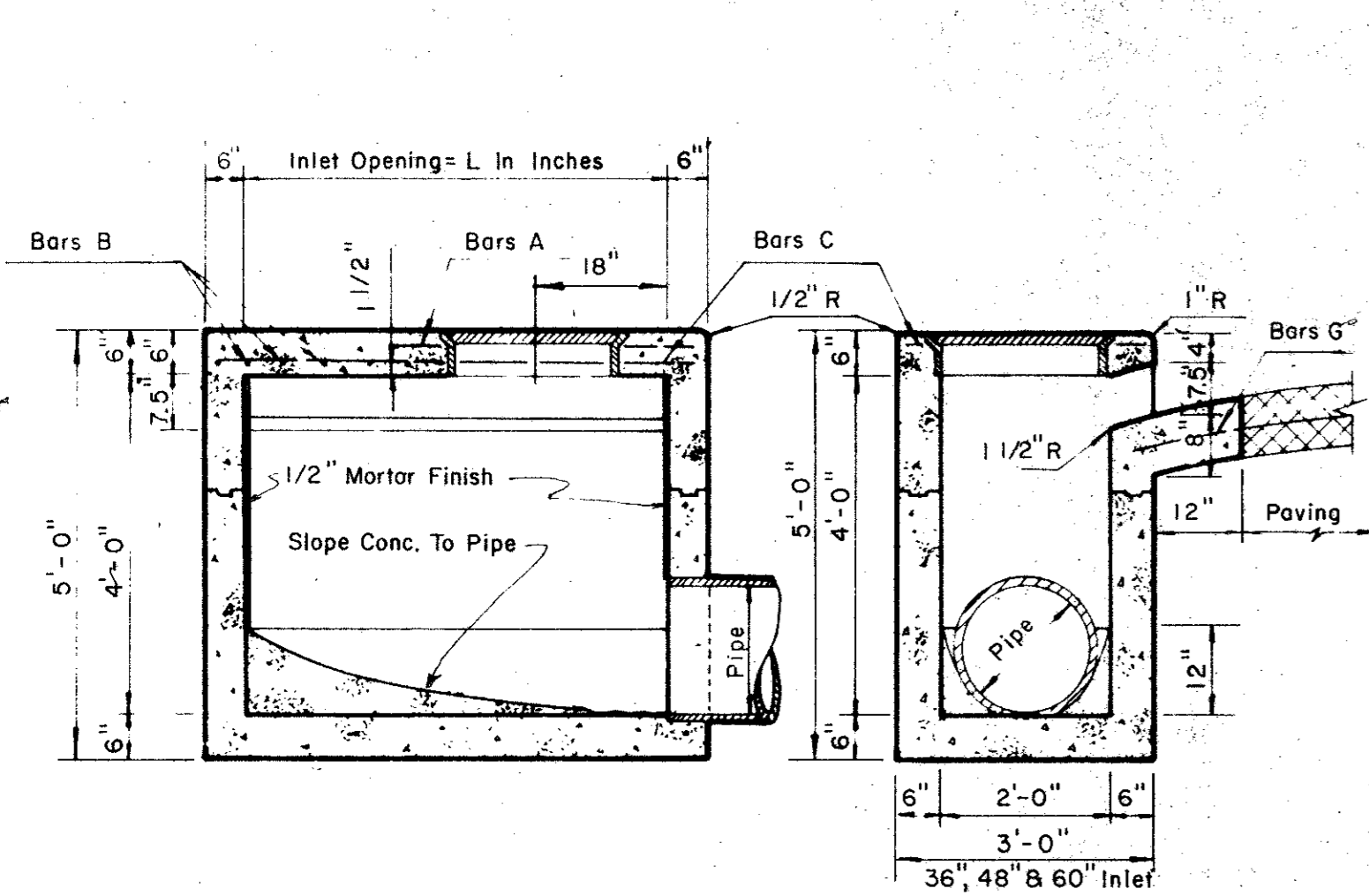
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS			
SPRING VALLEY METER STATION			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - CF	Drawn - CF	Date - JUNE, 1982	Job No. -
Approved - HWG	Checked - HWG	Scale - 1" = 20'-H, 1" = 5'-V	Sheet 26 of 21



B.M. #4 R.R. Spike On 14" Elm North Spring Valley Rd.
 Sta. 45+50, 83' Lt. ϕ
 Elev. 582.38

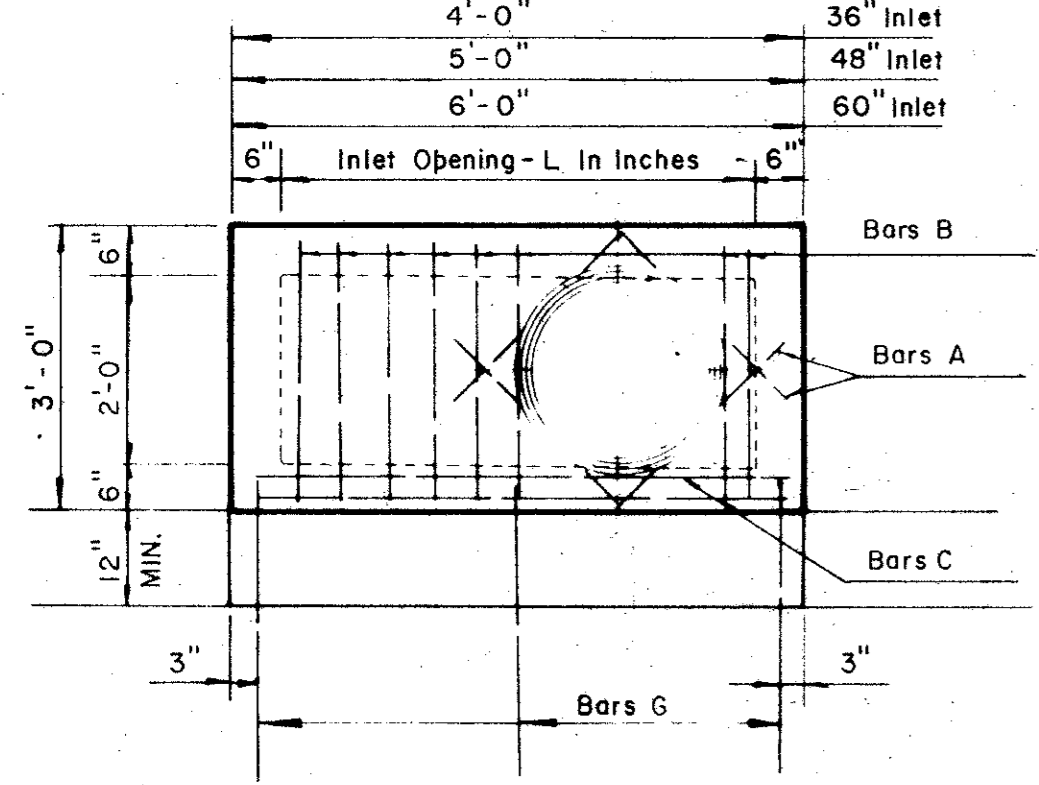


No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 45+00 to STA. 50+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 27 of

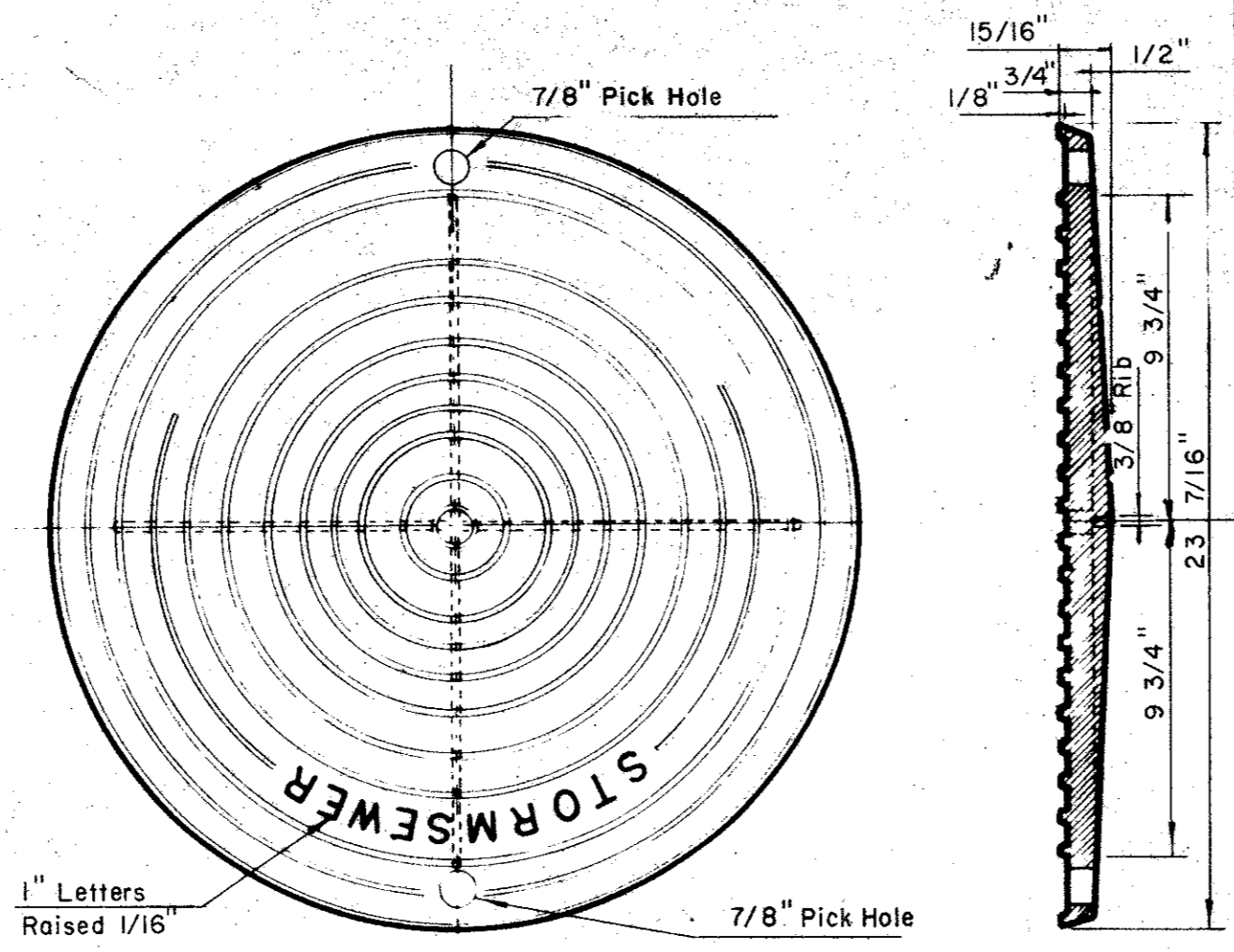


SECTION B-B

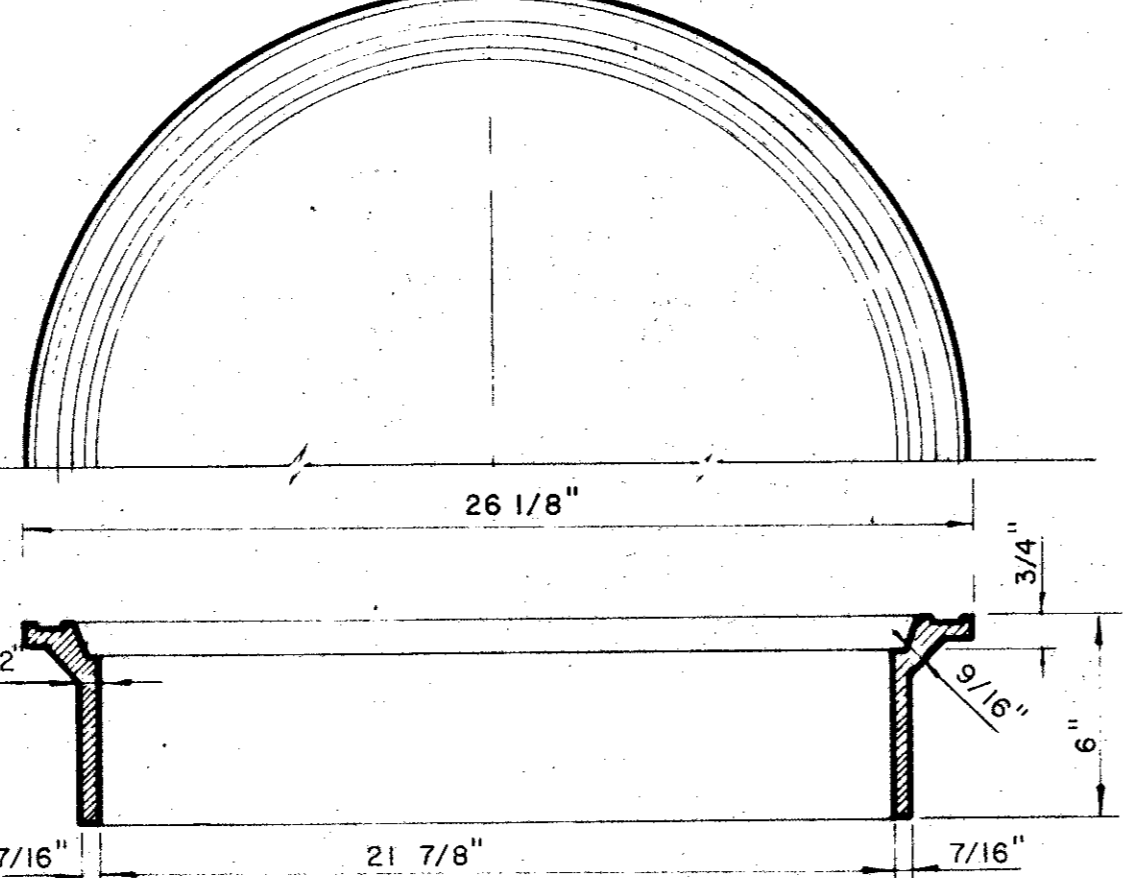
SECTION C-C



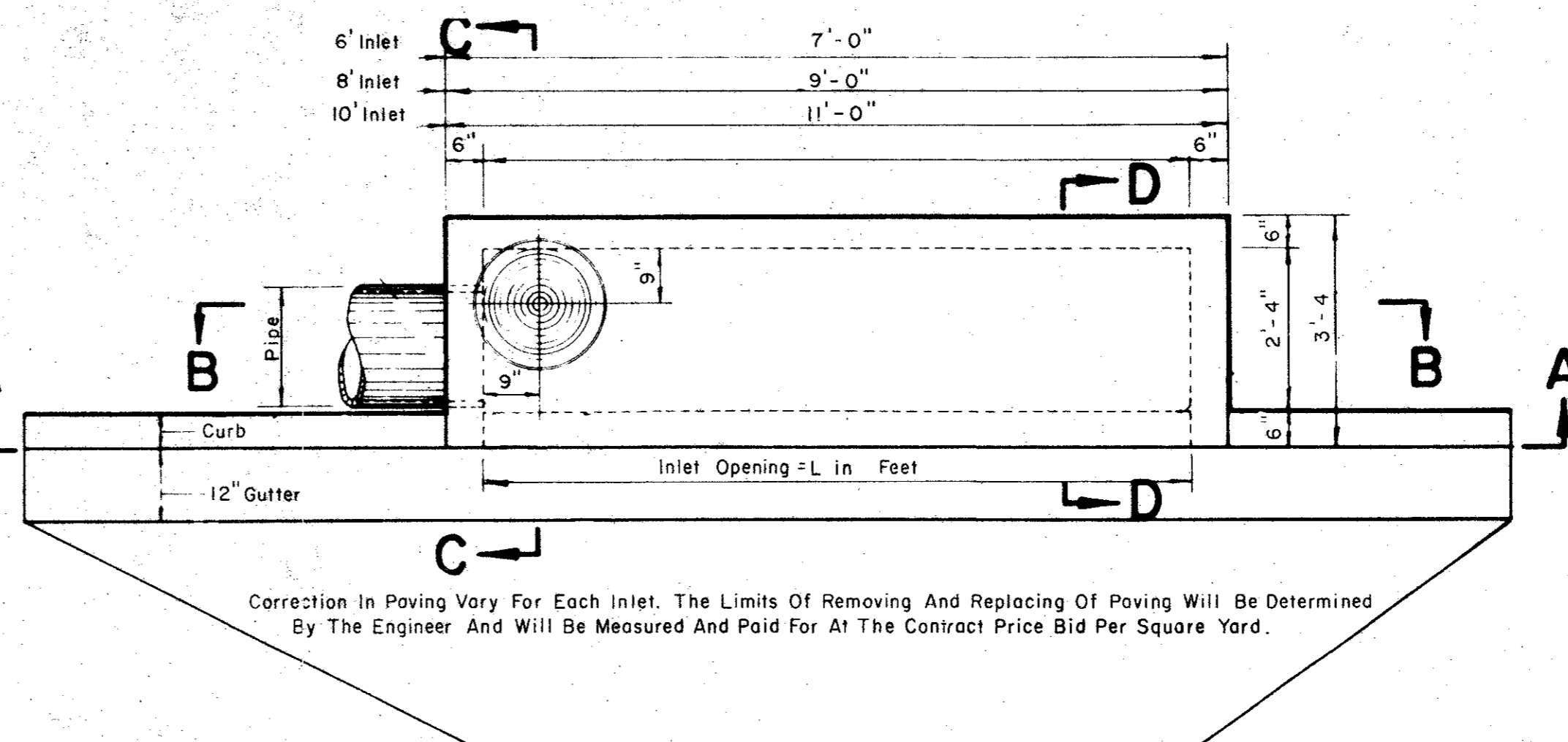
REINFORCING PLAN



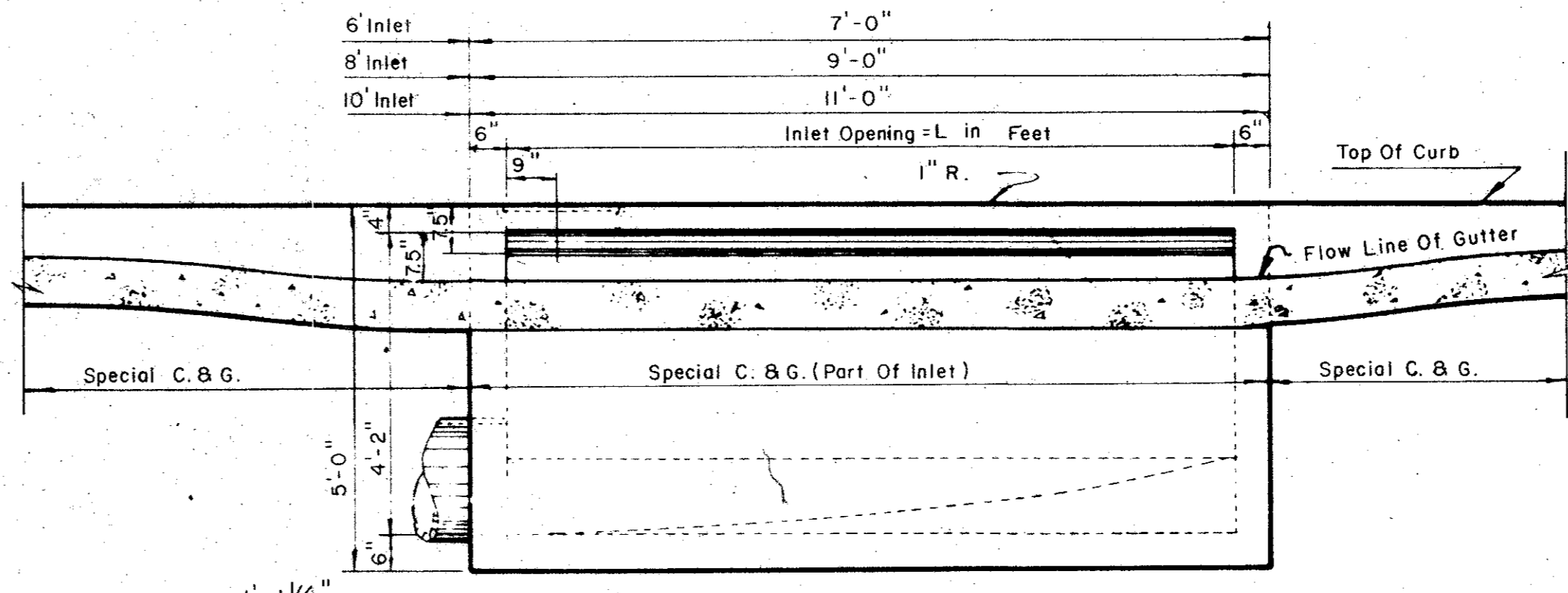
PLAN OF COVER



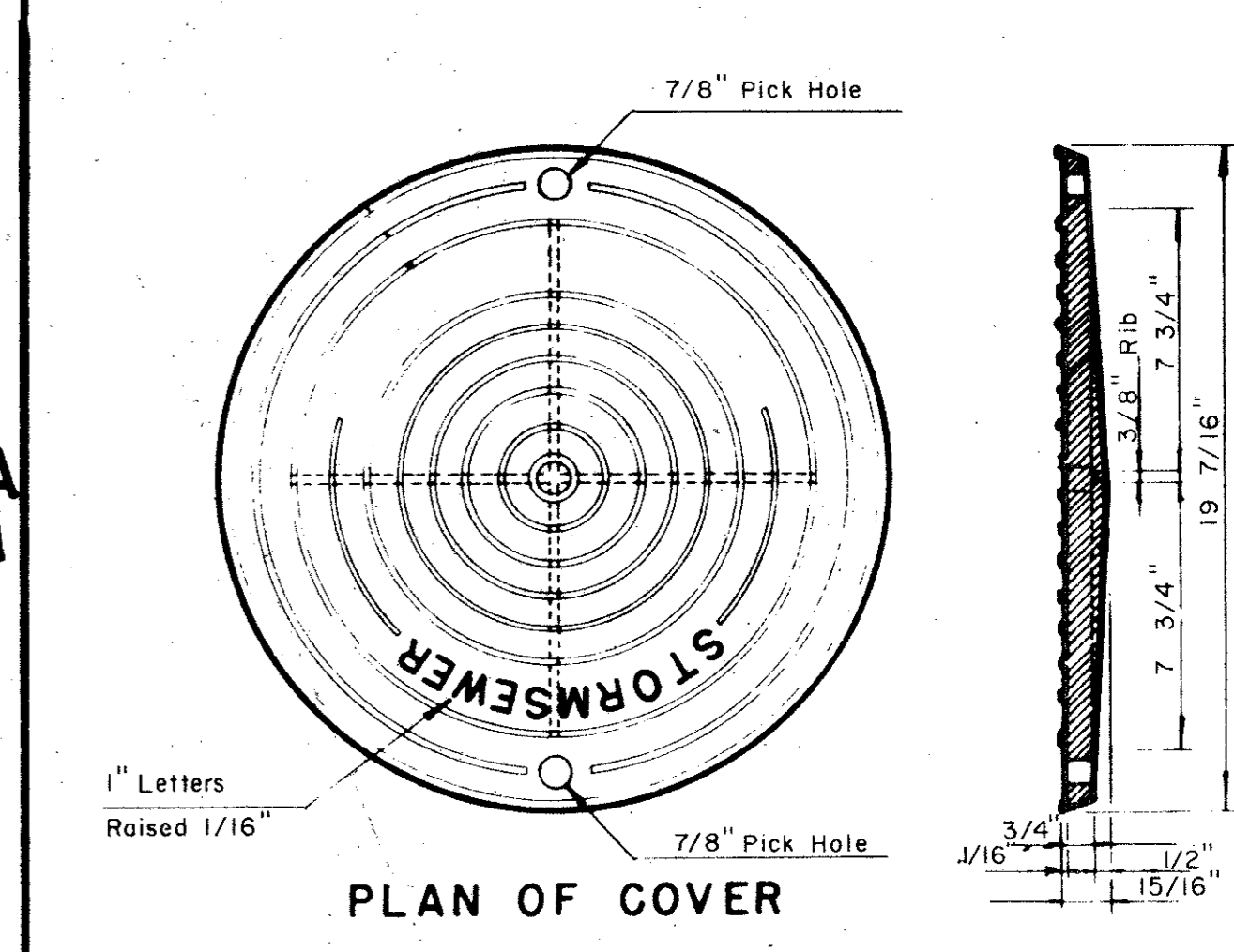
SECTION OF FRAME INLET FRAME AND COVER



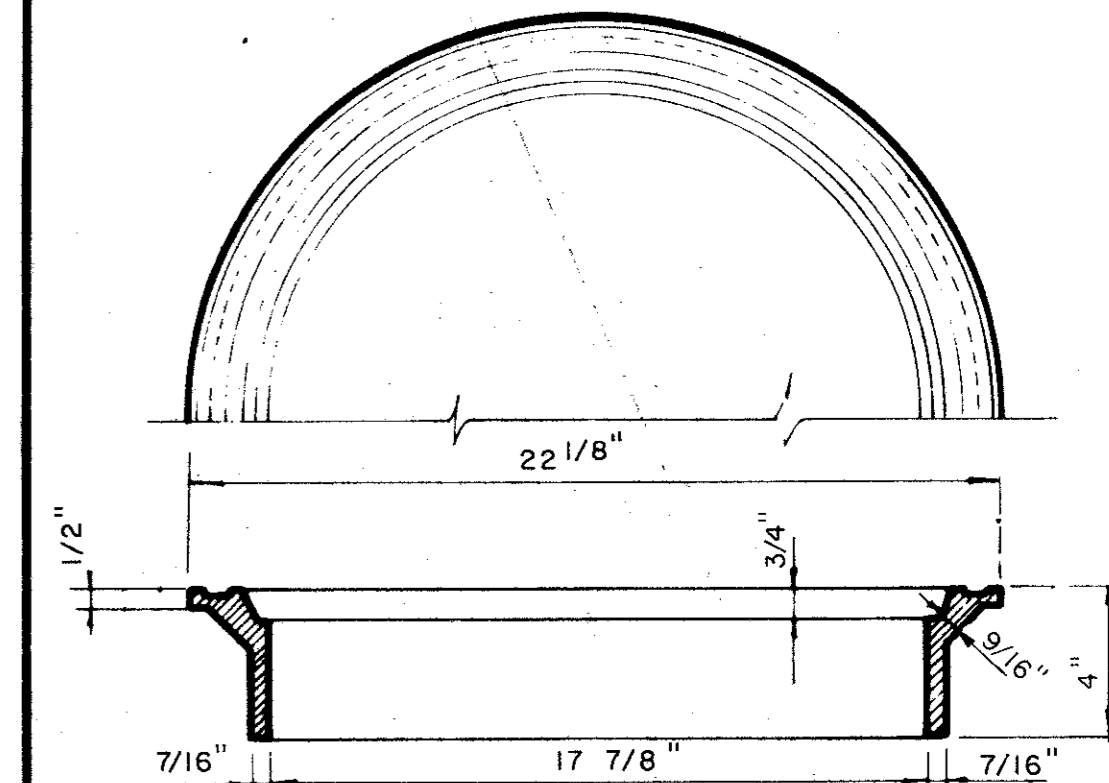
PLAN



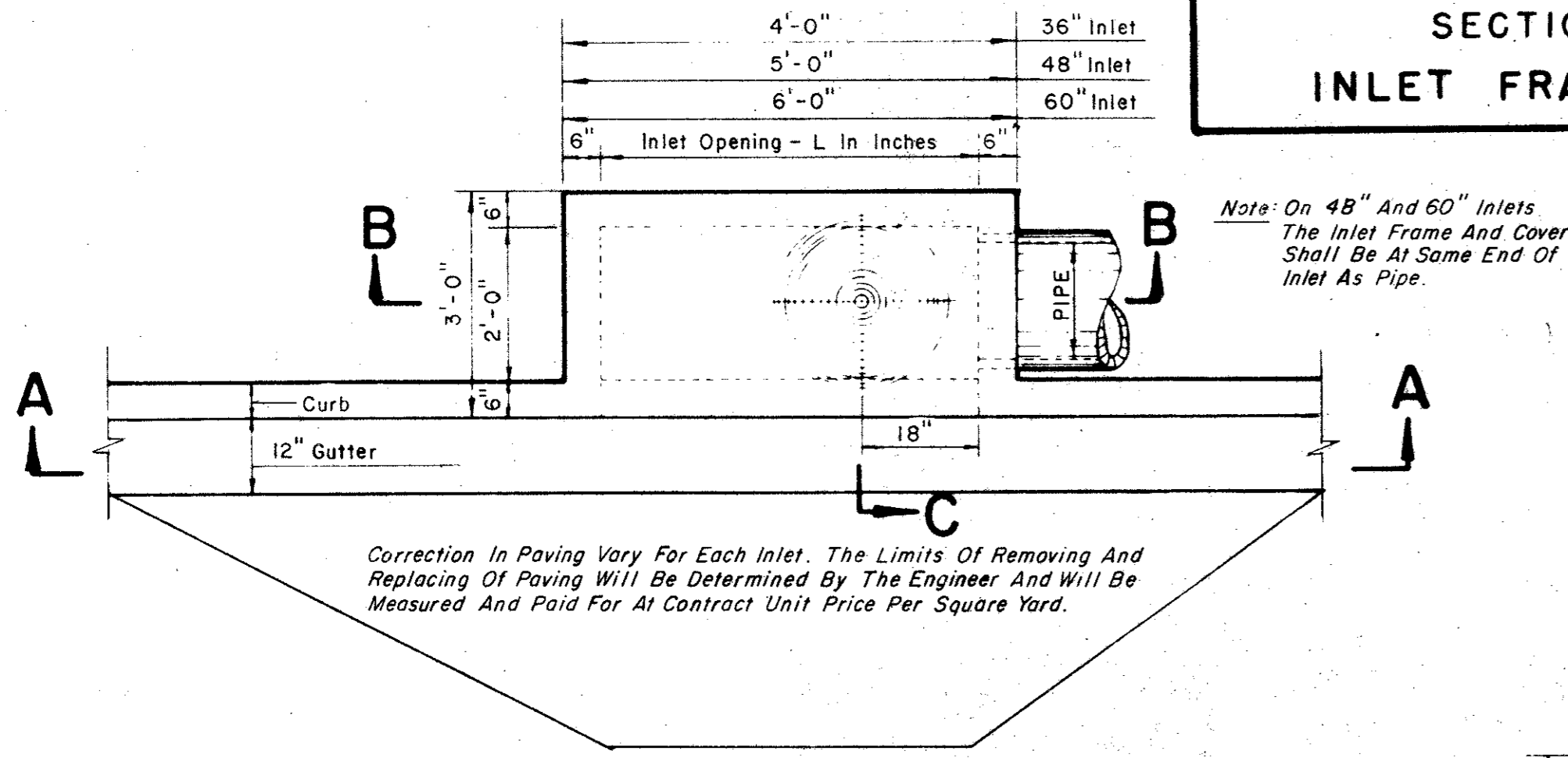
SECTION A-A



PLAN OF COVER



SECTION OF FRAME INLET FRAME AND COVER



PLAN

Note: On 48" And 60" Inlets The Inlet Frame And Cover Shall Be At Same End Of Inlet As Pipe.

2'-6"	36" Inlet - #3-4 Required
2'-6"	48" Inlet - #5-4 Required
2'-6"	60" Inlet - #5-4 Required

2'-9"	36" Inlet - #5-4 Required
2'-9"	48" Inlet - #5-6 Required
2'-9"	60" Inlet - #5-8 Required

3'-9"	36" Inlet - #5-2 Required
4'-8"	48" Inlet - #5-2 Required
5'-9"	60" Inlet - #5-2 Required

3'-0"	36", 48" & 60" Inlets	#3-3 Required
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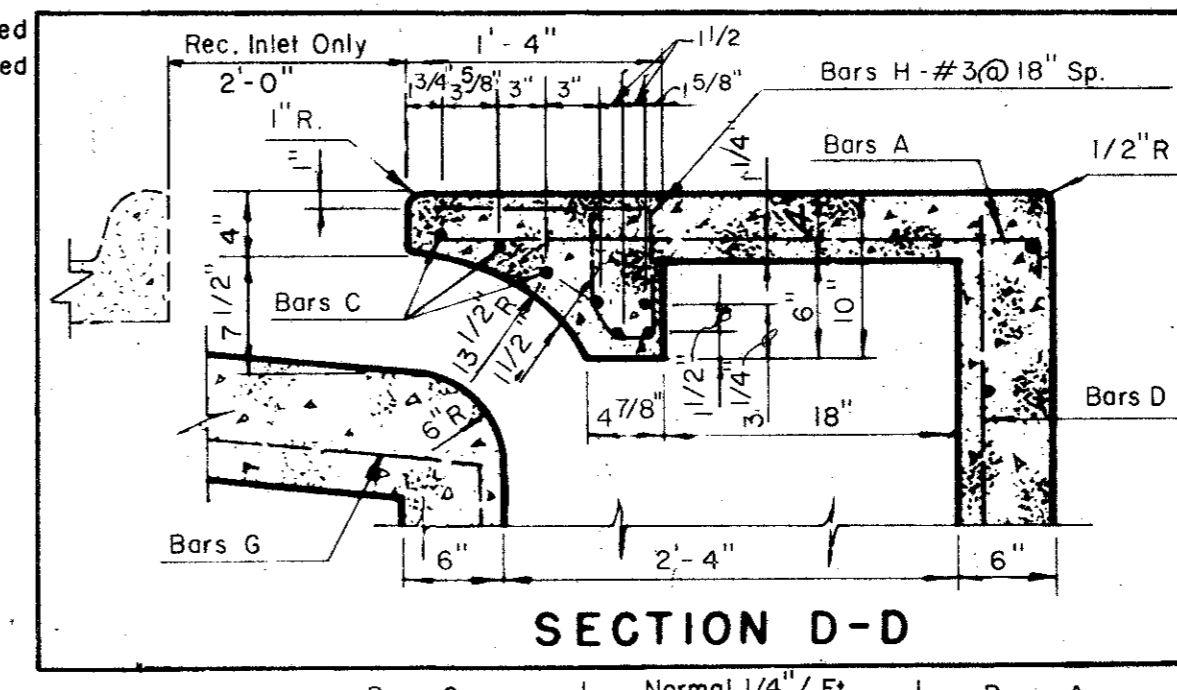
3'-0"	6" Inlet - #3-3 Required
3'-0"	8" Inlet - #3-4 Required
3'-0"	10" Inlet - #3-6 Required

3'-0"	6" Inlet - #3-10 Required
3'-0"	8" Inlet - #3-13 Required
3'-0"	10" Inlet - #3-16 Required

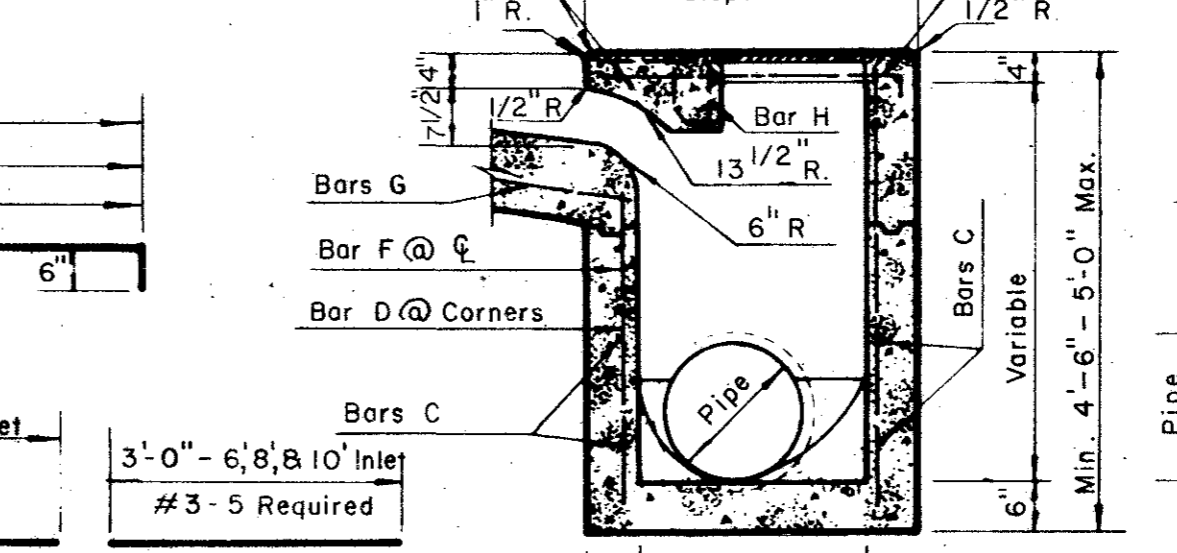
4'-10"	6" Inlet - #3-1 Required
6'-10"	8" Inlet - #3-1 Required
8'-10"	10" Inlet - #3-1 Required

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

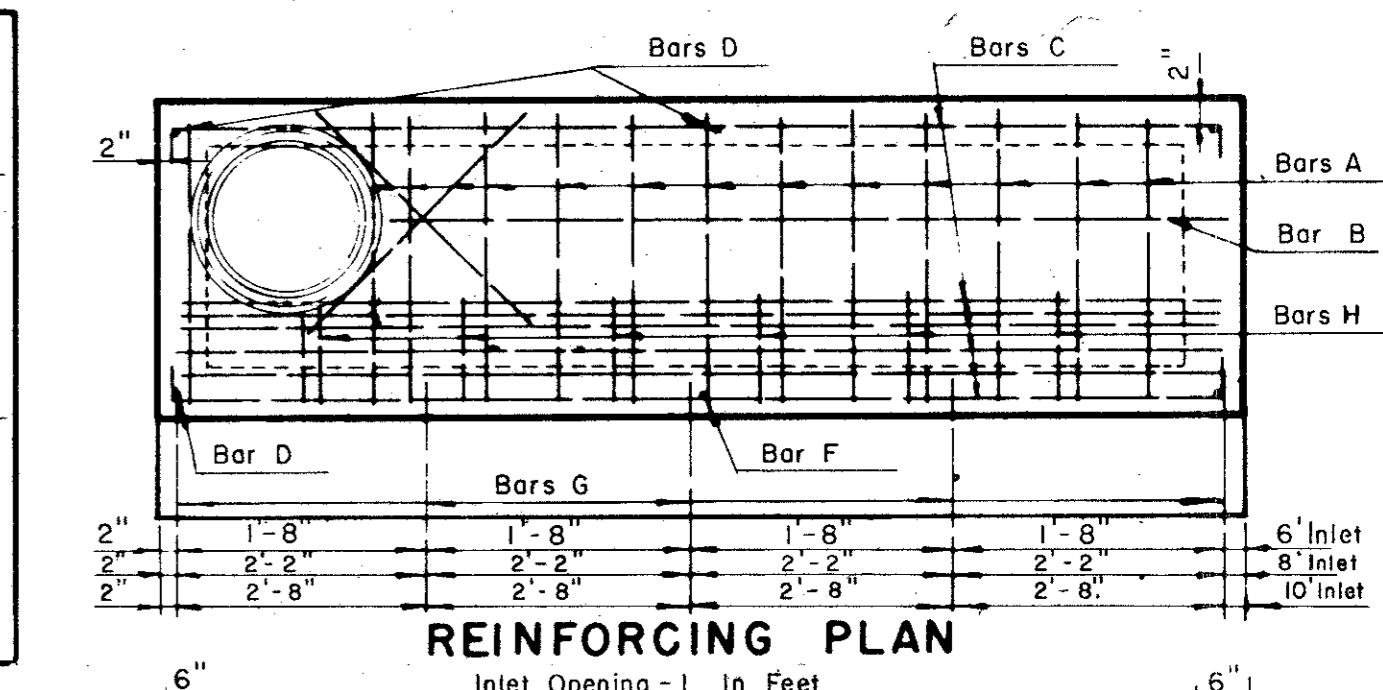
4'-8" - 6', 8' & 10' Inlet	#4-5 Required
3'-6" - 6', 8' & 10' Inlet	#4-1 Required
3'-0" - 6', 8' & 10' Inlet	#3-5 Required



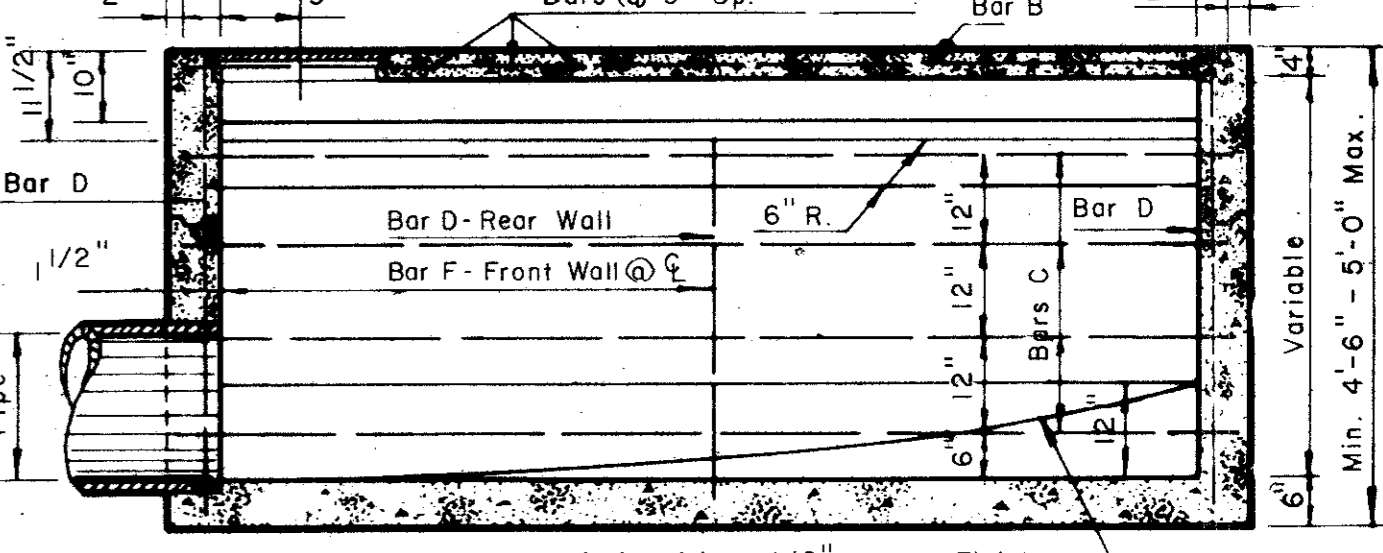
SECTION D-D



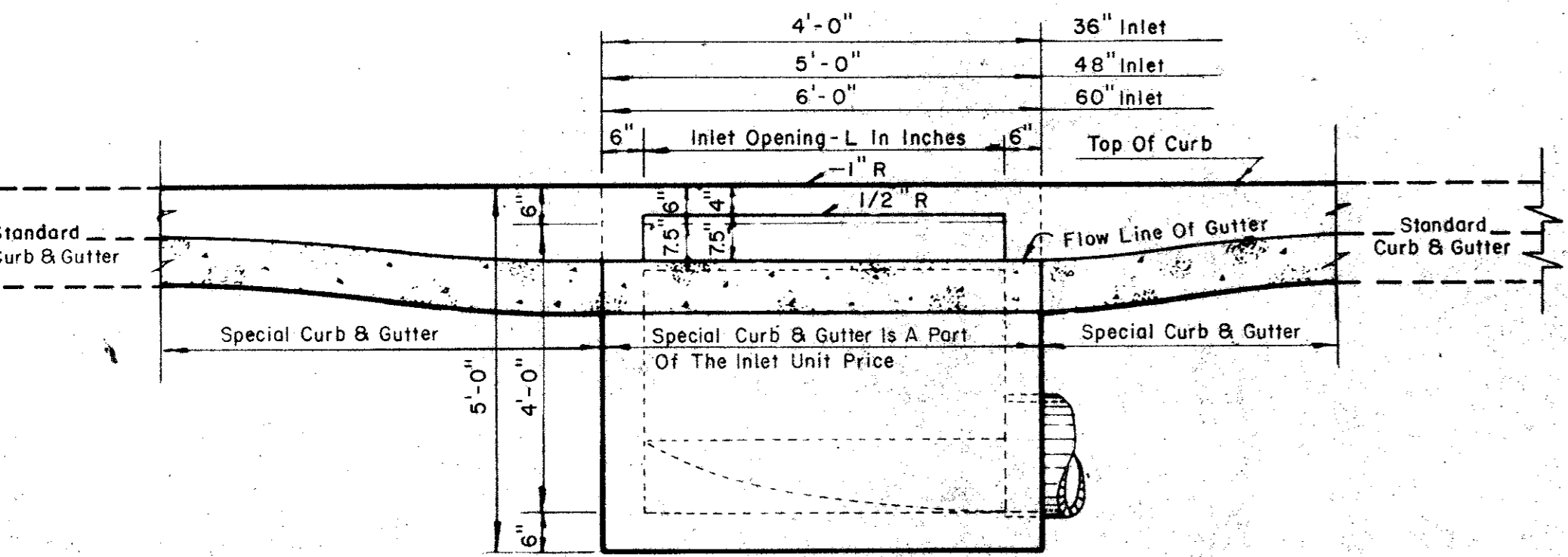
SECTION C-C



REINFORCING PLAN



SECTION B-B



SECTION A-A

36, 48 AND 60 INCH INLETS

- NOTES:**
- Concrete Shall Have A Min. Compressive Of 3,000 P.S.I. At 28 Days.
 - Lateral Pipe May Enter Inlet At Any Location. (Field Locate)
 - 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.

6, 8 AND 10 FOOT INLETS

STANDARD CURB INLET
36, 48 & 60 INCH INLET
6, 8 & 10 FOOT INLET

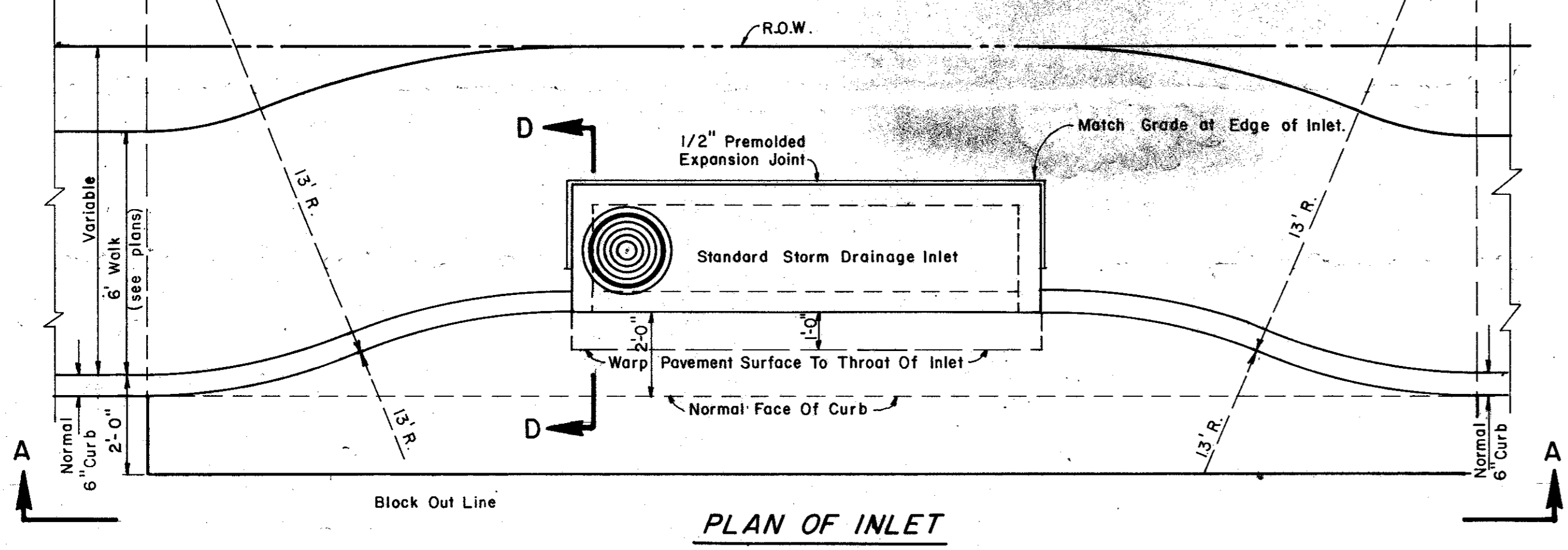
CITY OF ADDISON
DALLAS COUNTY, TEXAS

DRAINAGE DETAILS A

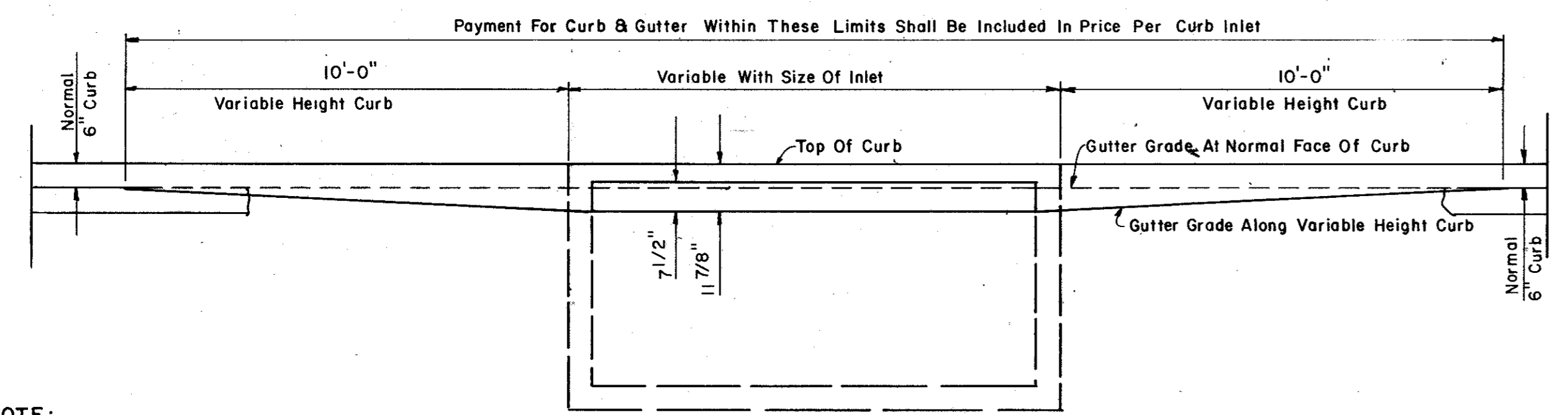
GINN, INC.
Consulting Engineers - Dallas, Texas

DESIGNED - H.B.J.	DRAWN - S.M.M.	DATE
APPROVED - H.W.G.	CHECKED - G.F.	SCALE - NONE

SHEET 28 OF



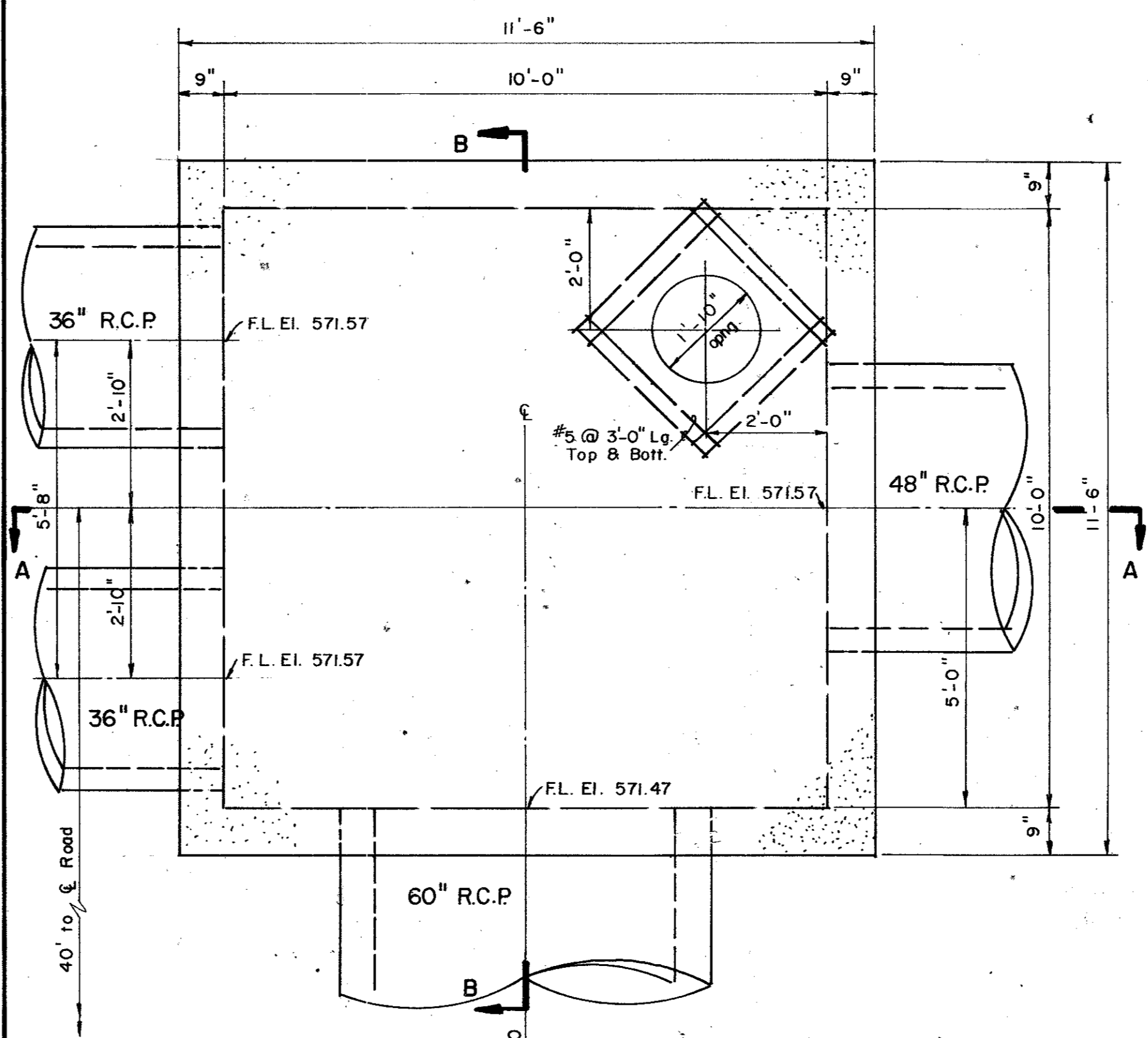
PLAN OF INLET



SECTION A-A

RECESSED CURB INLET

NOTE:
SEE STD. CURB INLET, DRAINAGE DETAILS FOR SECTION D-D, AND REINFORCING.

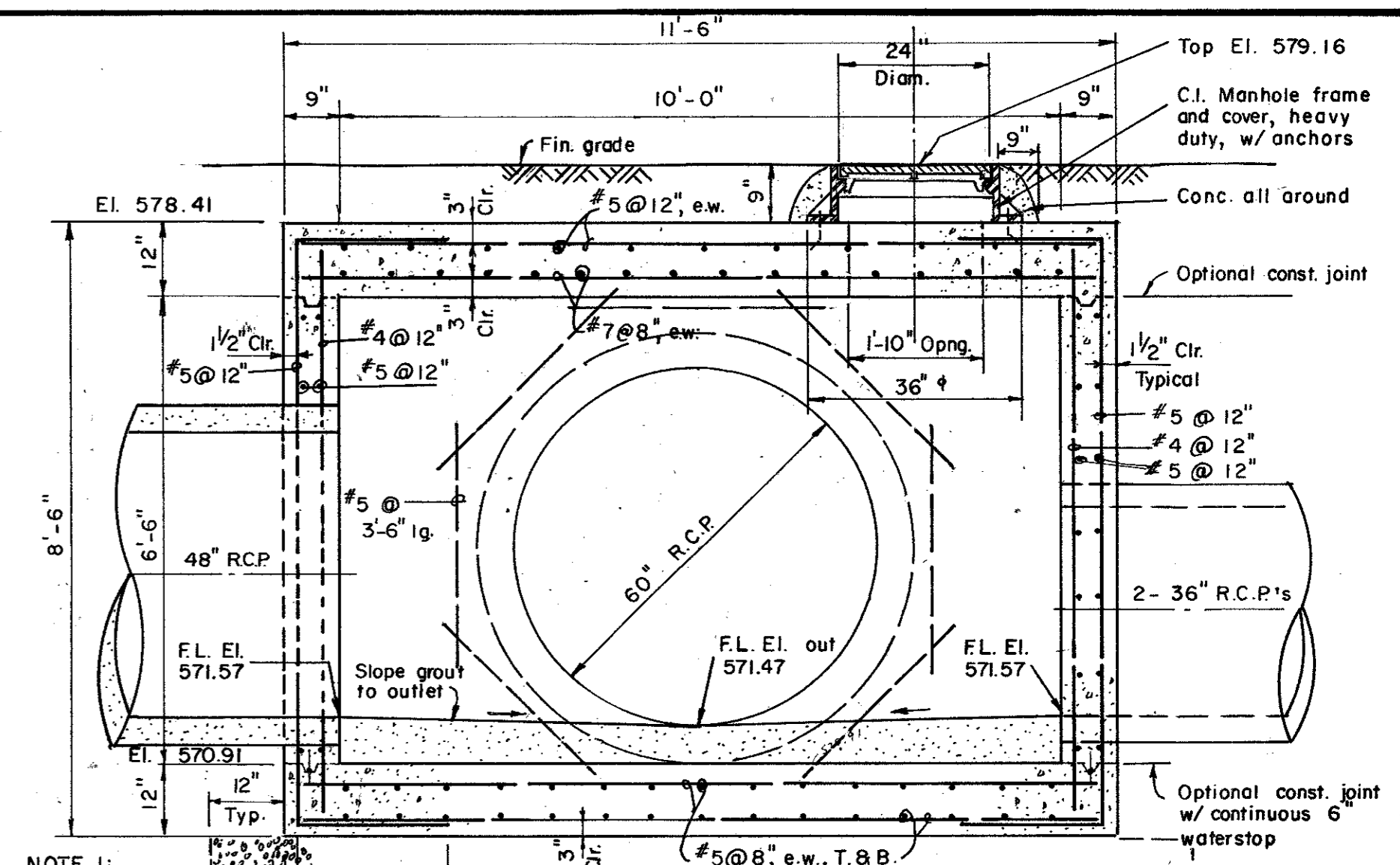


PLAN @ EL. 578.41

JUNCTION BOX AT STA. 17+50

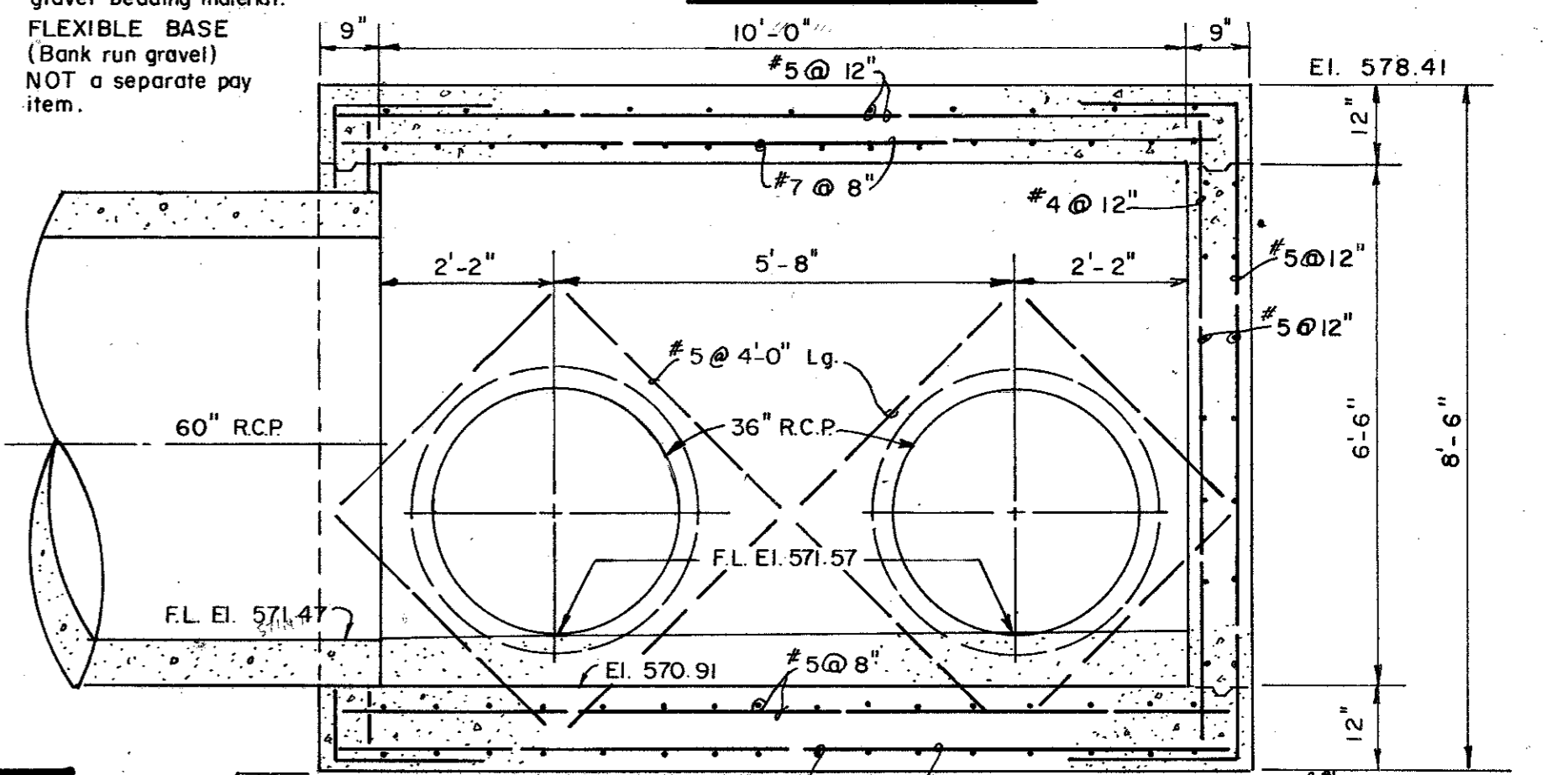
APPROXIMATE QUANTITIES
Class A Conc. 15.1 c.y.
Reinf. Steel 3456 Lbs.
Frame and cover 1 ea.

SCALE: 1/2" = 1'-0"



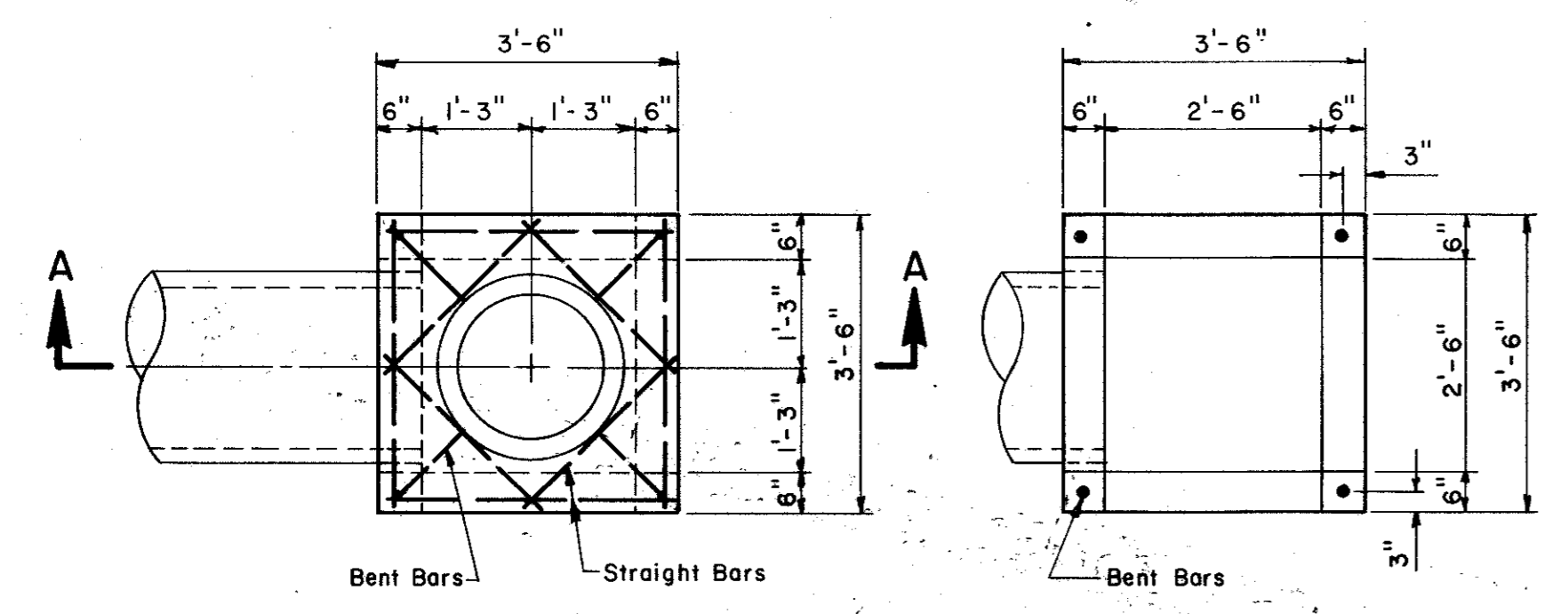
SECTION A-A

NOTE 1:
Overexcavate and backfill w/ 6" thk. gravel bedding material.
FLEXIBLE BASE (Bank run gravel)
NOT a separate pay item.



SECTION B-B

GENERAL NOTES

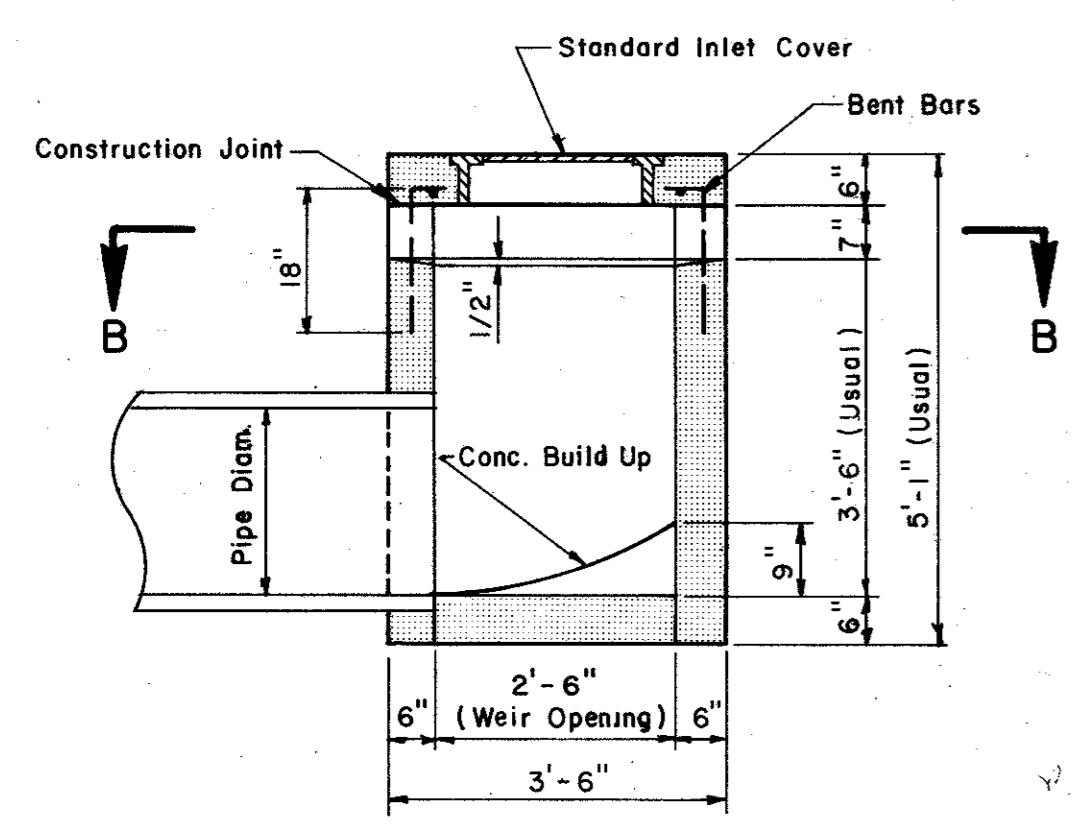


PLAN

SECTION B-B

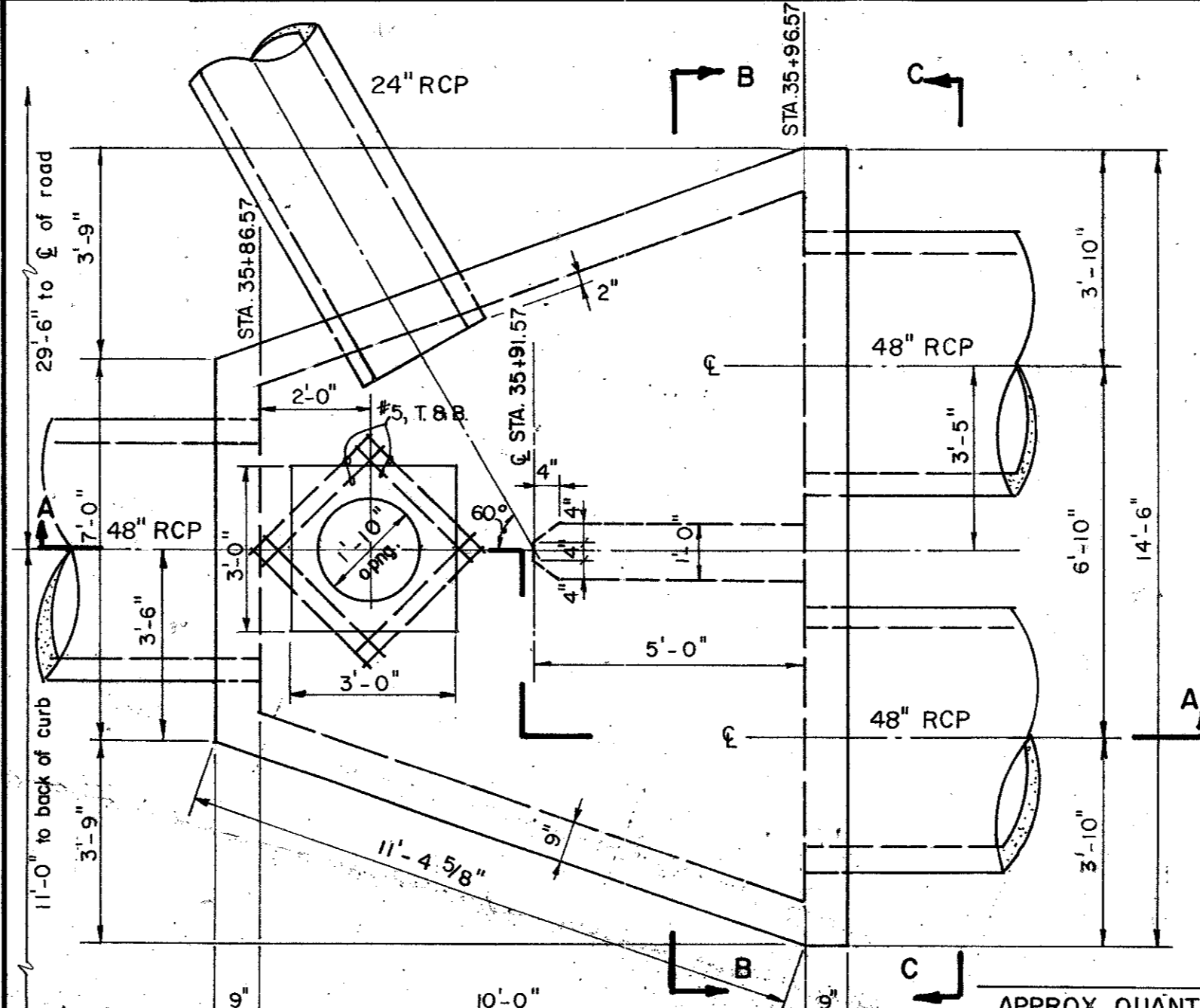
- NOTE:
1. ALL REINFORCING SHALL BE #5 BARS.
 2. ALL CONC. SHALL BE 3000 P.S.I.
 3. TYPE "X" INLET - WEIR OPENING ARE REQUIRED ON 4 SIDES.
 4. TYPE "Y" INLET - WEIR OPENING ARE REQUIRED ON 3 SIDES.

NOTE: Where inlets are indicated to be modified, refer to plan/profile sheets for elevations or different sizes. All other items shall remain as shown on this standard detail sheet.



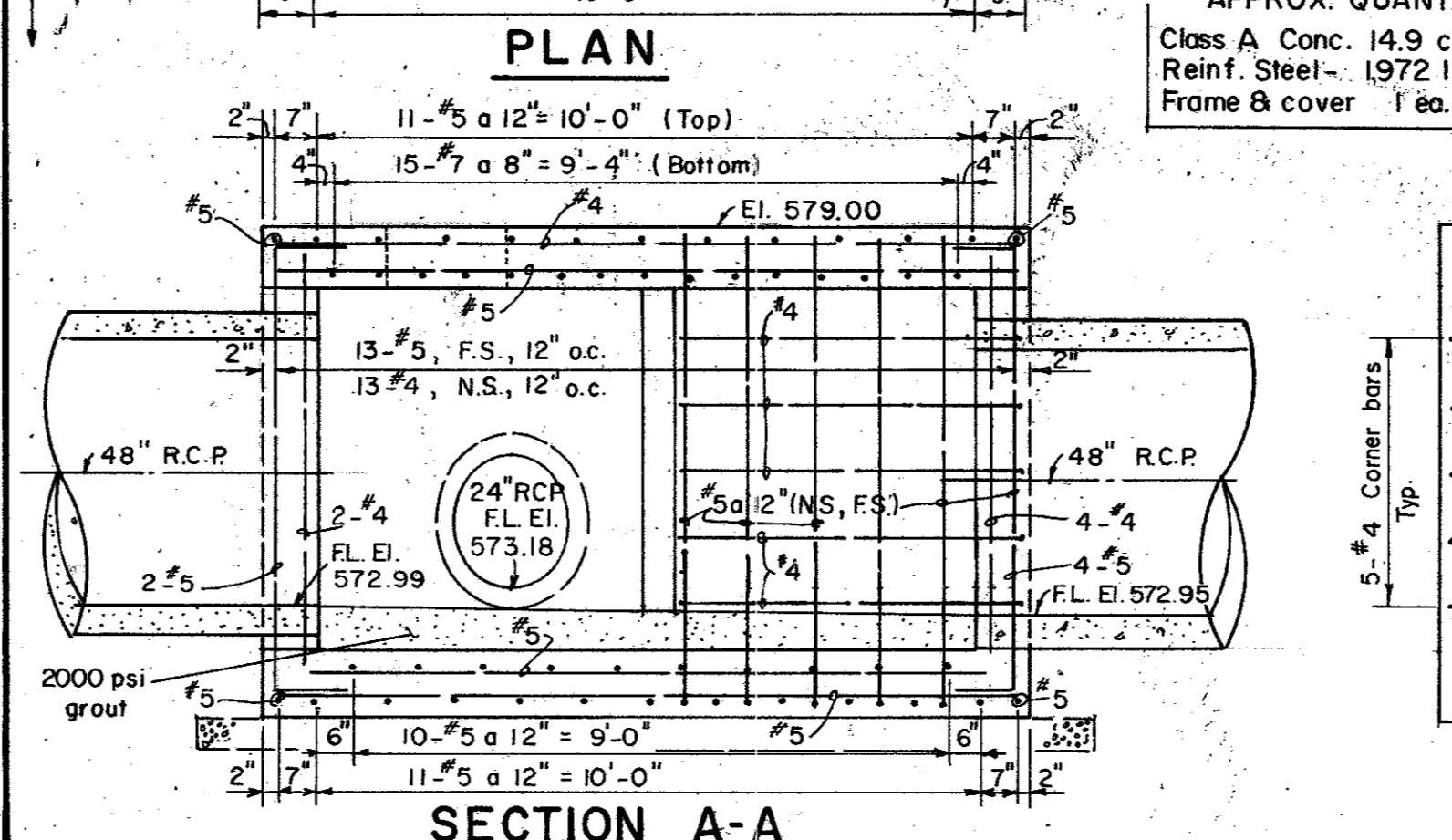
SECTION A-A

STANDARD TYPE "X" & "Y" INLET

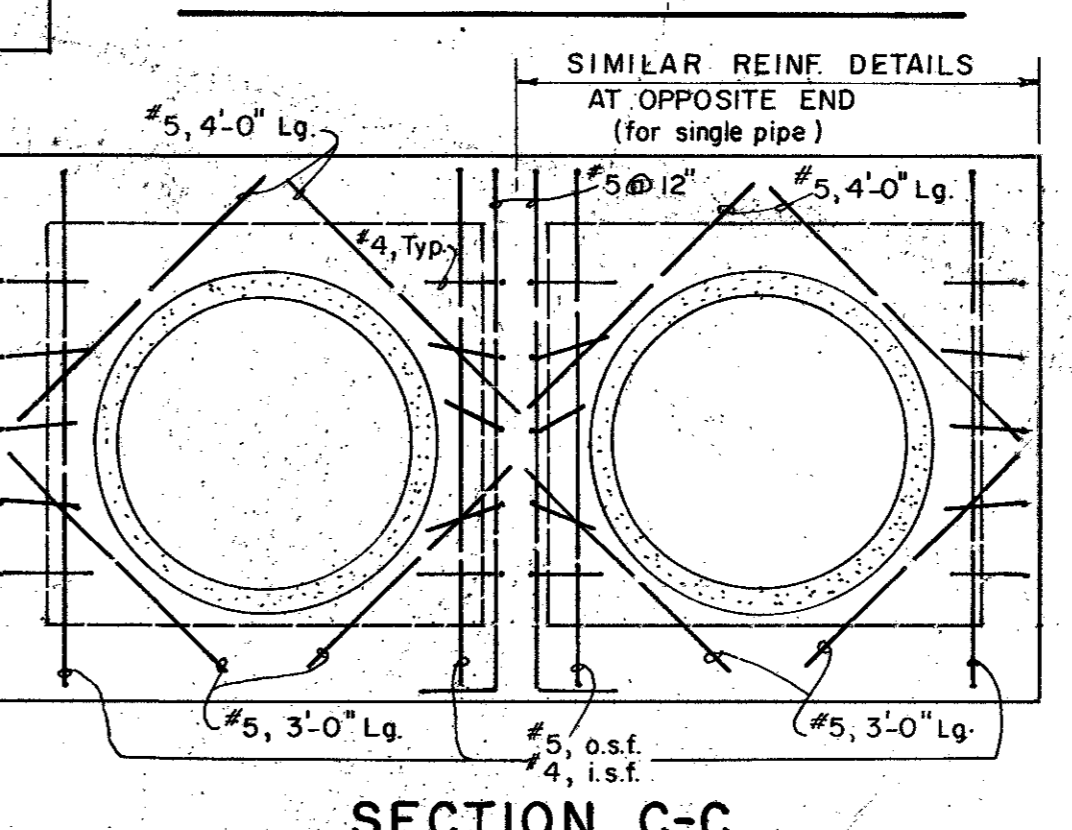


PLAN

JUNCTION BOX DETAIL AT STA. 35+91.57



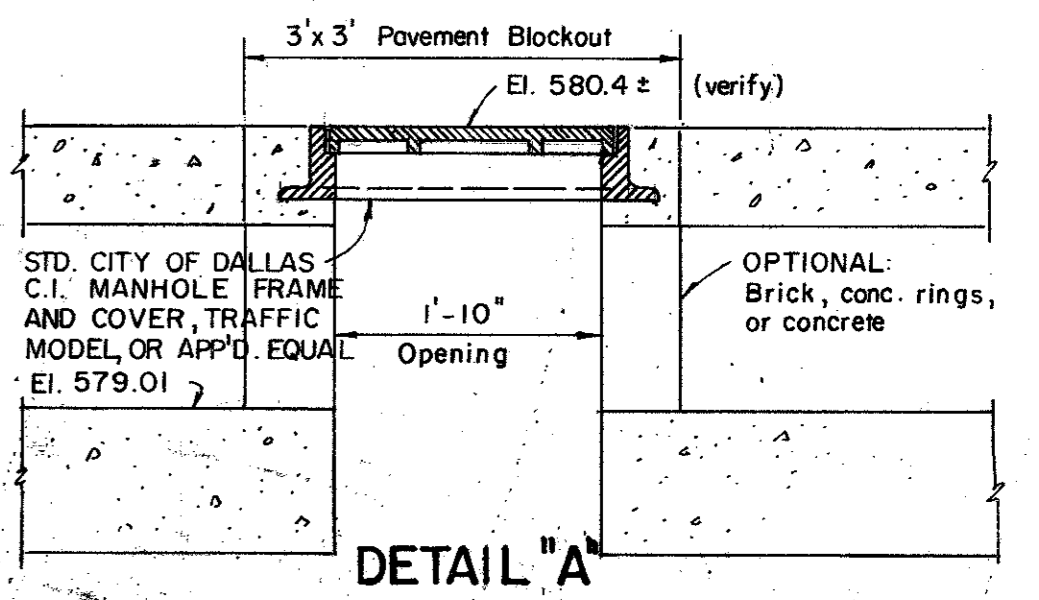
SECTION A-A



SECTION C-C

SEE NOTE 1 Detail Above

SECTION B-B



DETAIL 'A'

1. All concrete shall be Class A, 3000 PSI concrete.
2. Reinforcing shall conform to ASTM A-615, grade 40.
3. Provide all necessary reinforcing accessories to hold bars in proper position.
4. All reinforcing shall be detailed in accordance with ACI Standard 315.
5. Provide corner bars of the same size and number as horizontal bars at all corners.
6. Contractor shall submit shop drawings in accordance with ACI Standards, latest edition, for approval prior to any construction being done, showing all information as to exact location, size, number, bending, splicing and placing schedules and lists of reinforcement. No work shall commence on structures until approval of shop drawings is received.
7. All labor and materials for construction of junction box shall be included in the unit price bid for the structure. No additional compensation will be allowed.

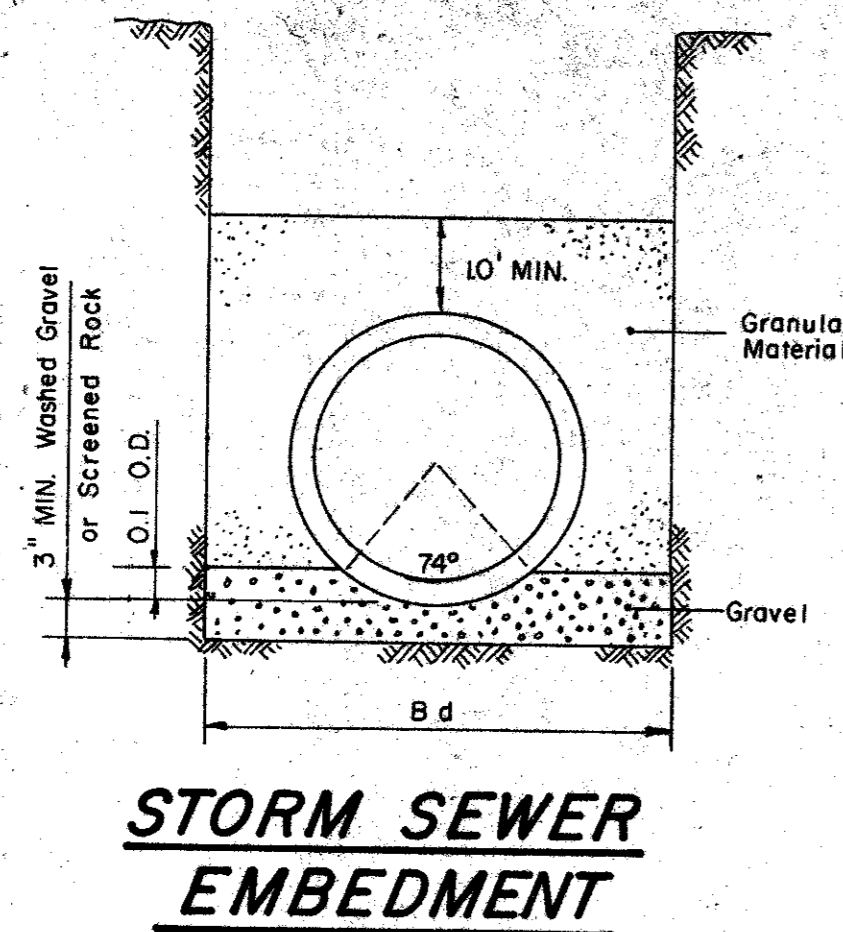
STD. CITY OF DALLAS C.I. MANHOLE FRAME AND COVER, TRAFFIC MODEL OR APP'G. EQUAL EL. 579.01

CITY OF ADDISON DALLAS COUNTY, TEXAS

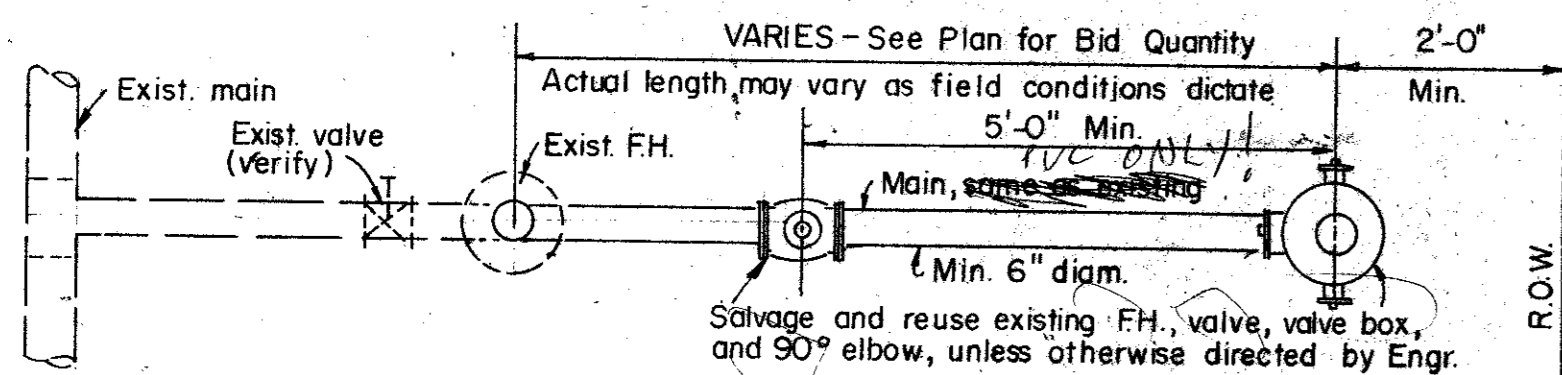
DRAINAGE DETAILS B

GINN, INC. Consulting Engineers - Dallas, Texas

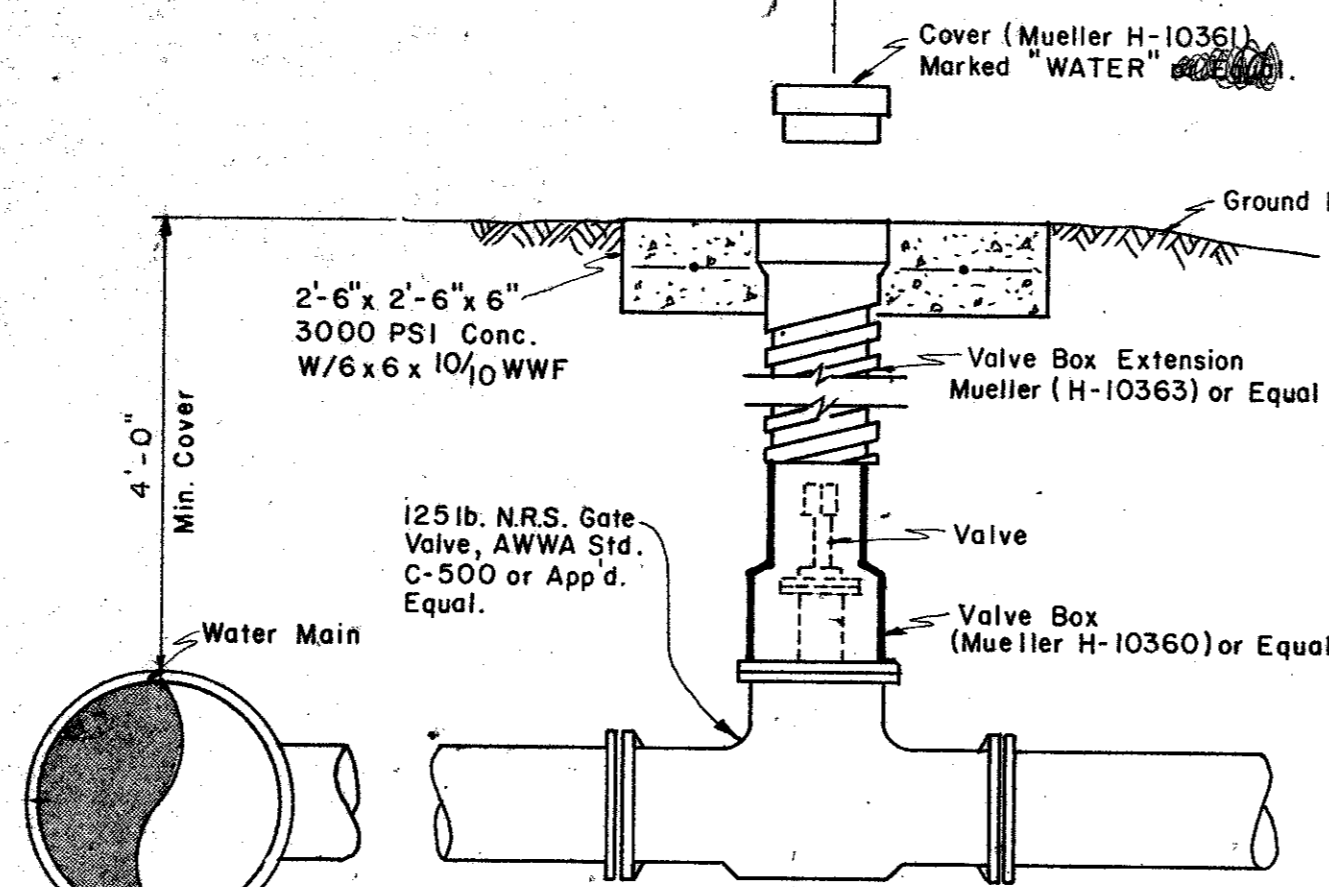
STORM SEWER EMBEDMENT					
PIPE DIAM.		B d	CU. YDS. Per 100 L.F.		
I.D.	O.D.		GRAVEL	GRANULAR MATERIAL	
15"	19"	39"	4.53	22.28	
18"	22.5"	42"	5.13	25.15	
21"	26"	45"	5.76	28.03	
24"	29.5"	48"	6.42	30.94	
27"	33"	51"	7.11	33.86	
30"	37"	54"	7.85	36.72	
33"	40.5"	57"	8.59	39.64	
36"	44"	60"	9.36	42.58	
39"	47.5"	63"	10.16	45.53	
42"	51"	66"	10.99	48.51	
48"	58"	72"	12.72	54.51	
54"	65"	78"	14.57	60.57	
60"	72"	84"	16.53	66.71	
66"	79"	90"	18.60	72.92	
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

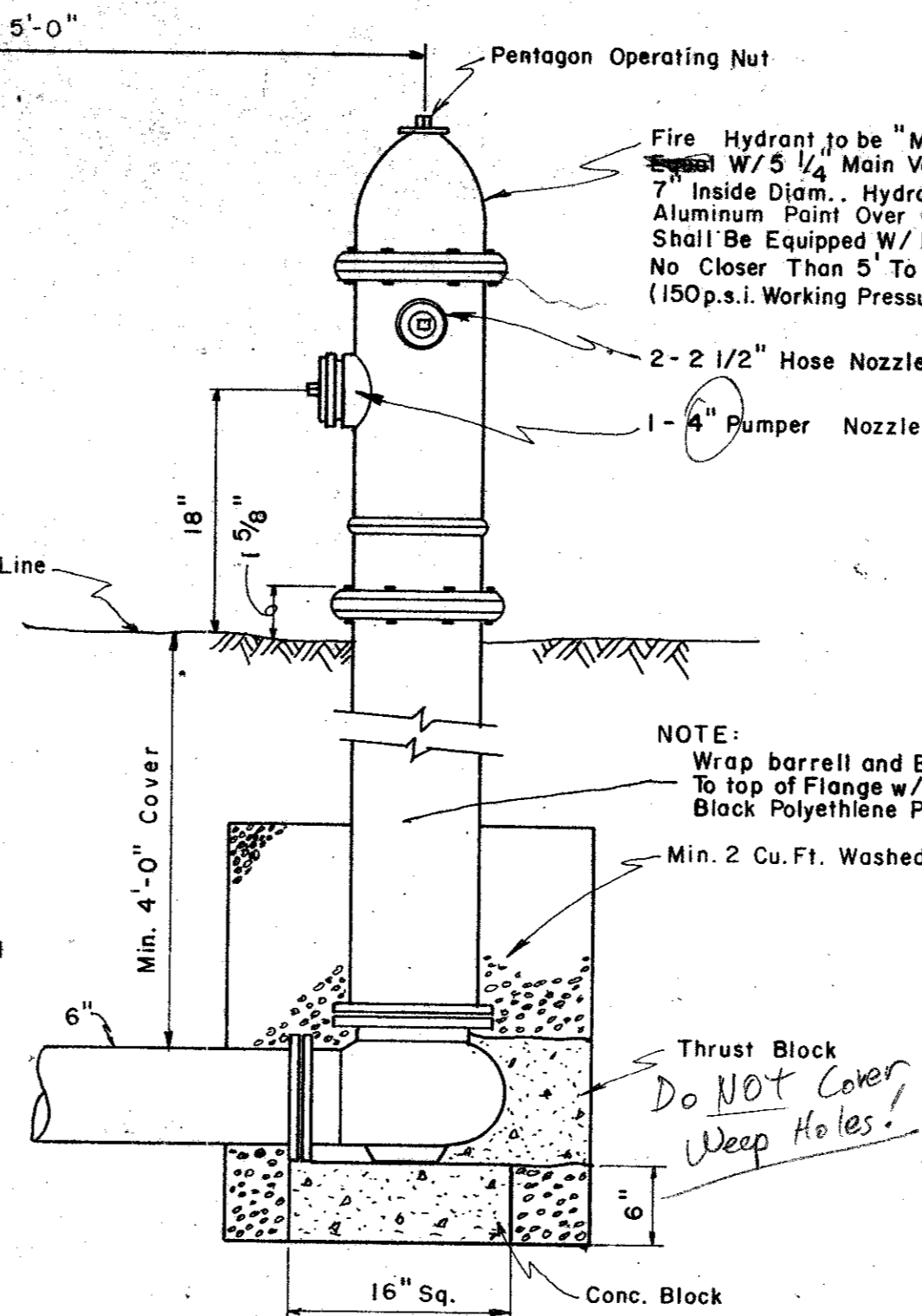


FIRE HYDRANT RELOCATION DETAIL



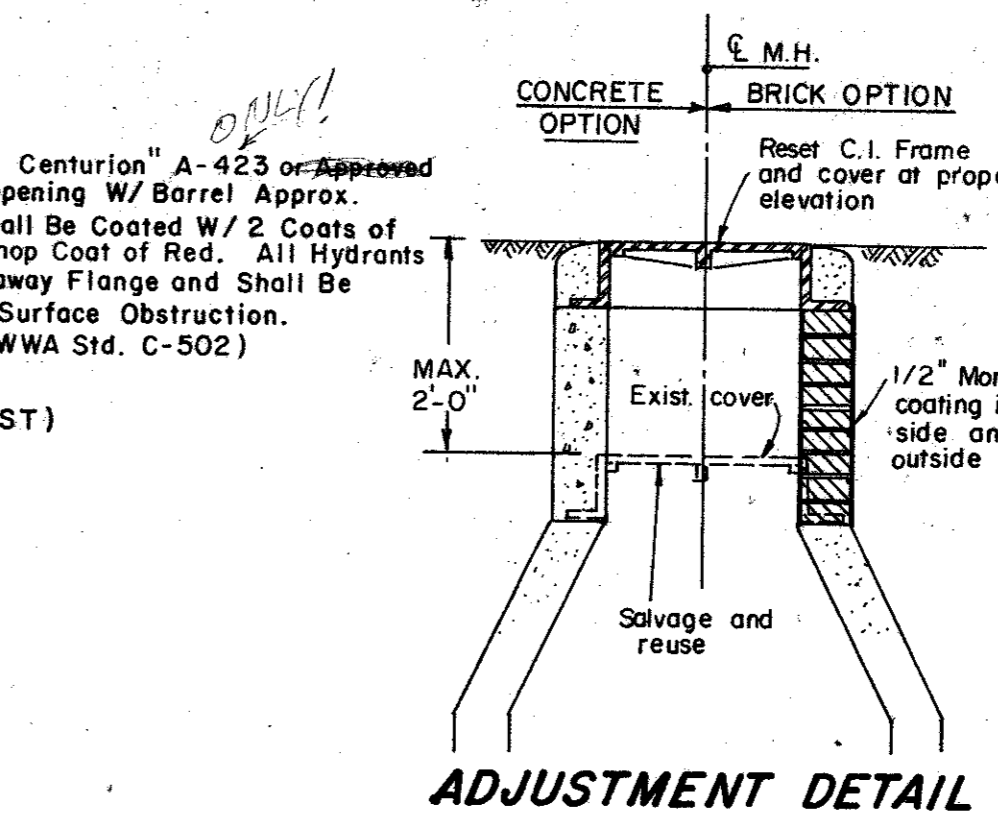
VALVE BOX DETAIL

(See Plans for "Main Size")

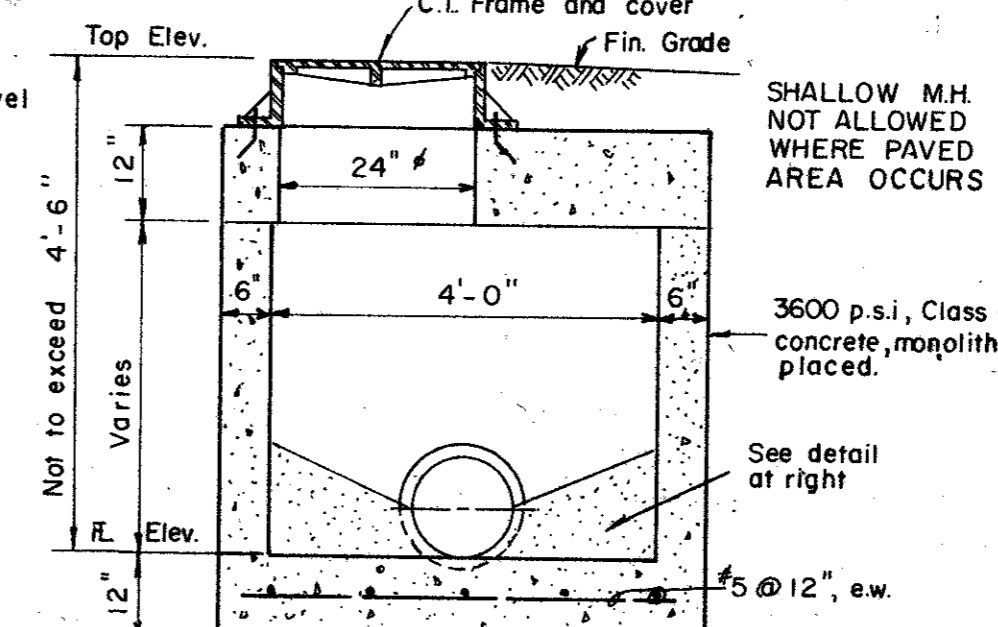


FIRE HYDRANT INSTALLATION

(Includes 6" Valve)

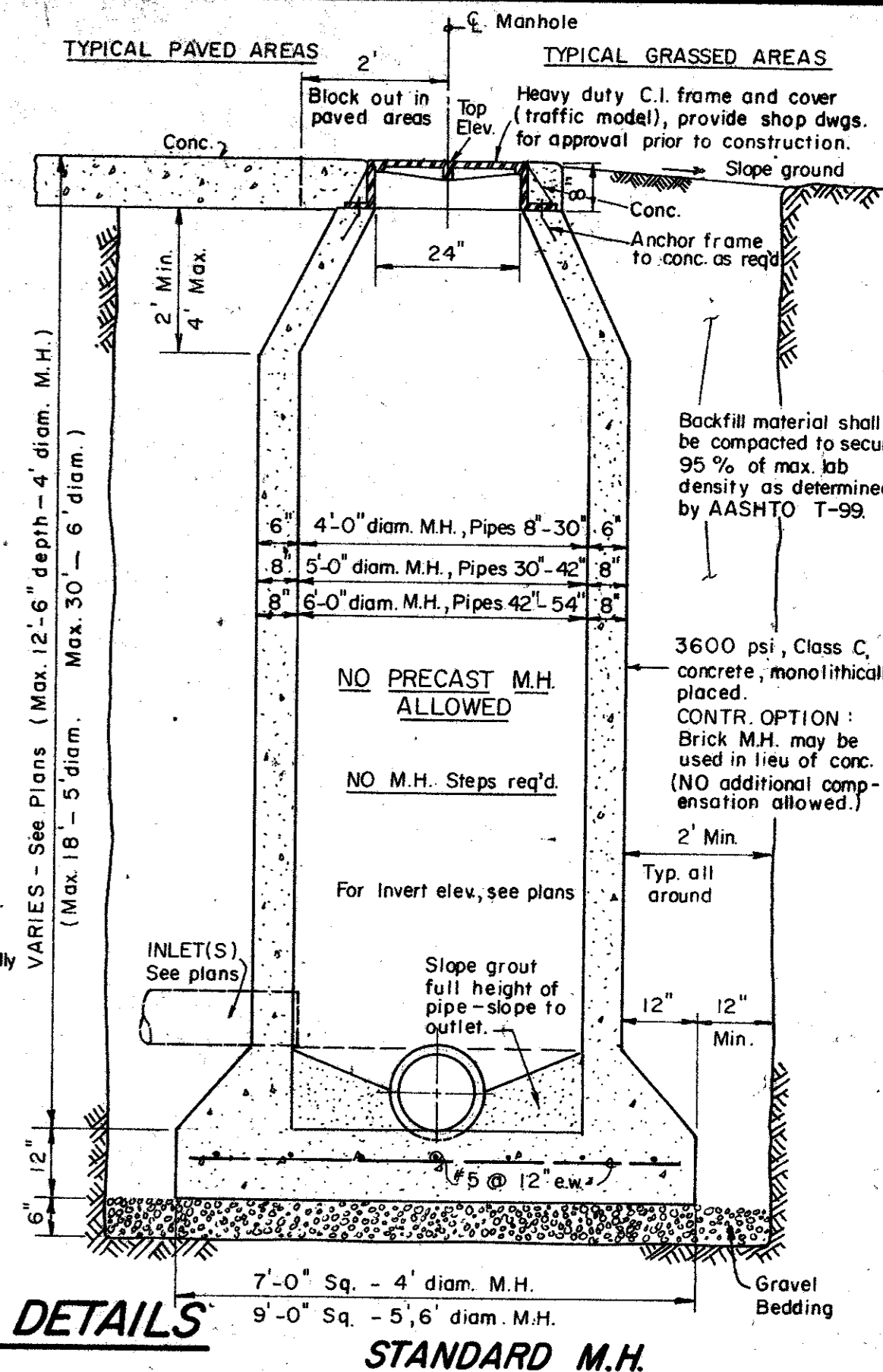


ADJUSTMENT DETAIL

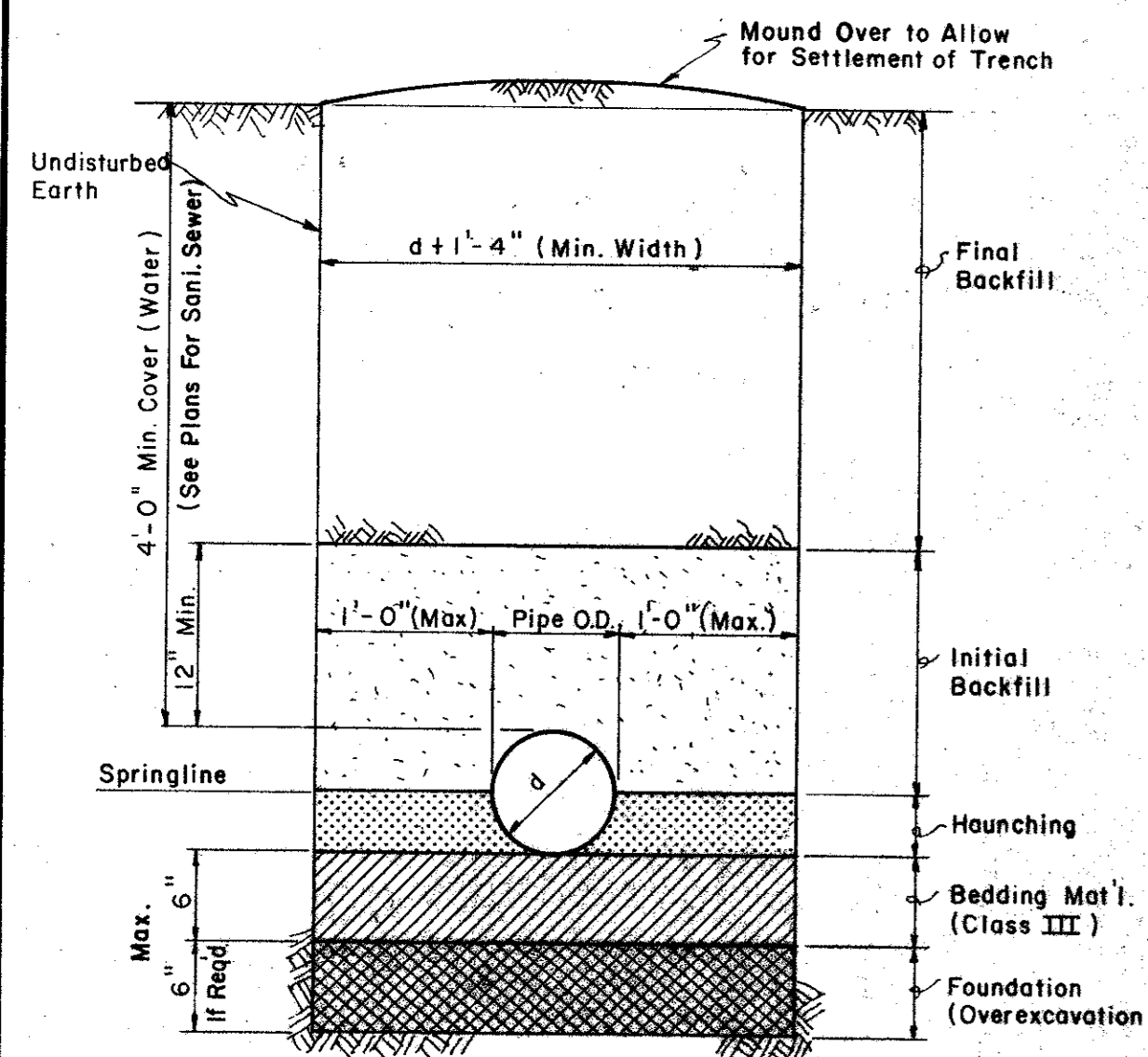


SHALLOW M.H.

TYPICAL MANHOLE DETAILS

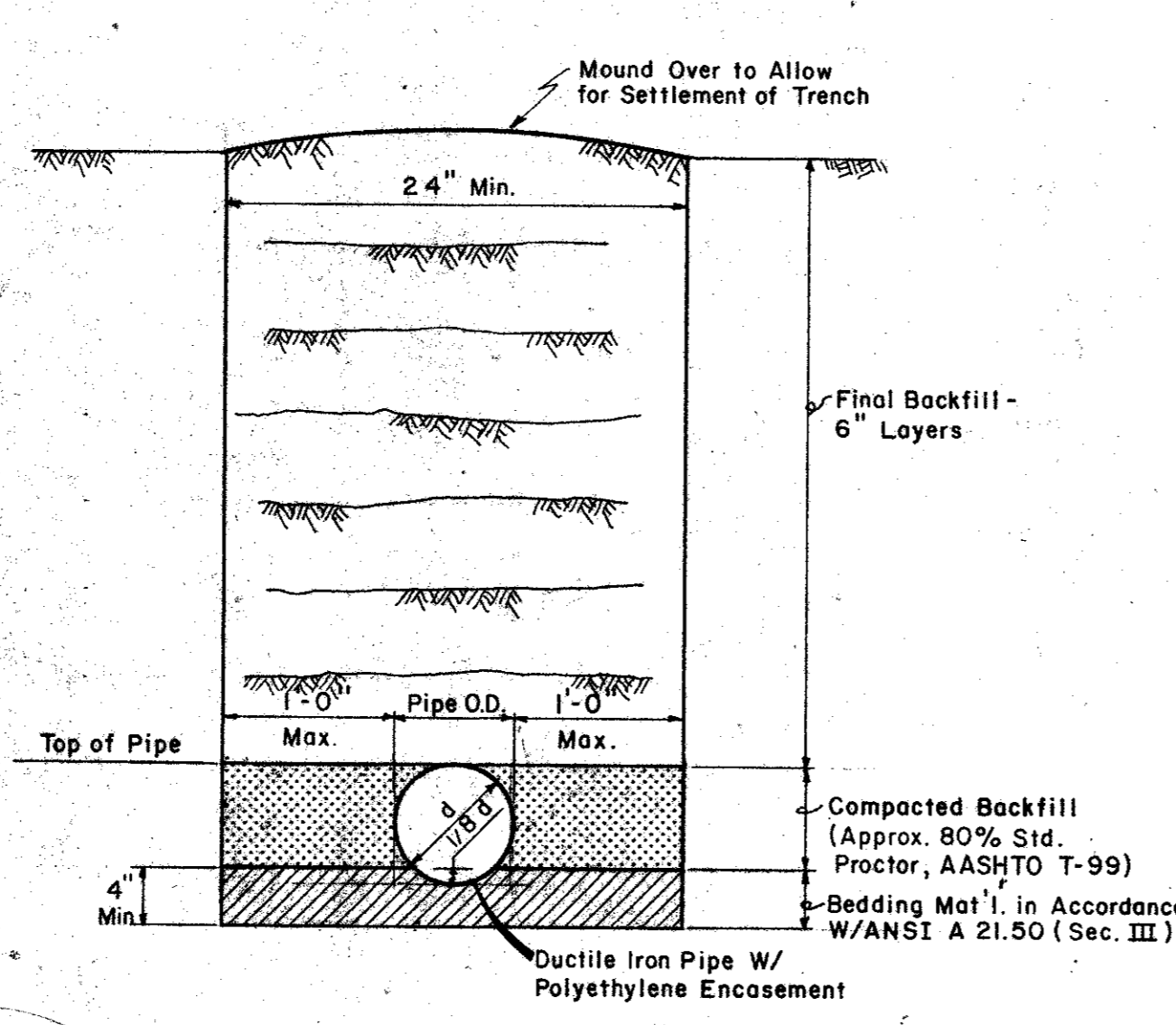


STANDARD M.H.



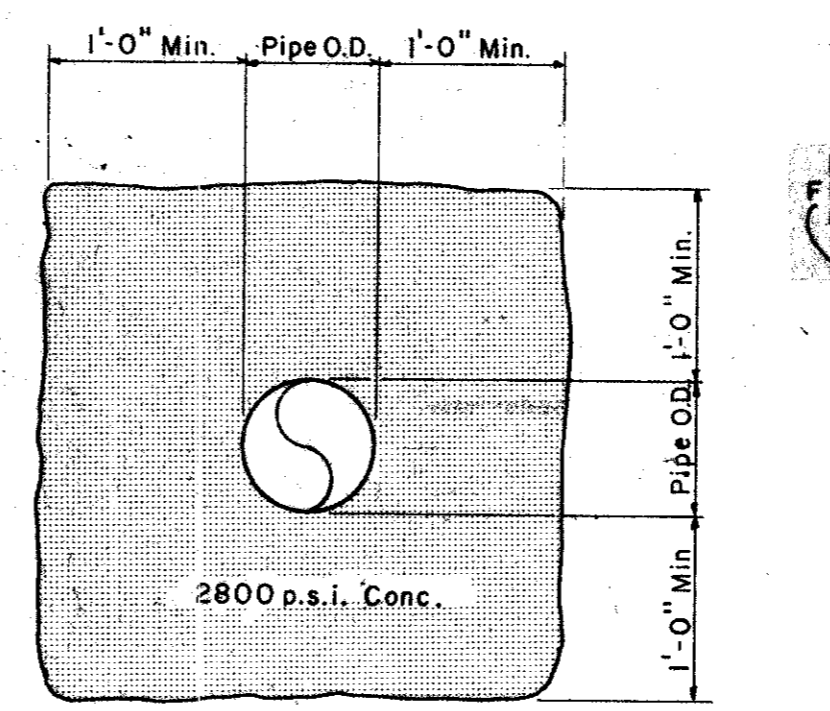
TYP. BACKFILL DETAIL (P.V.C)

Scale = 1" = 1'-0"

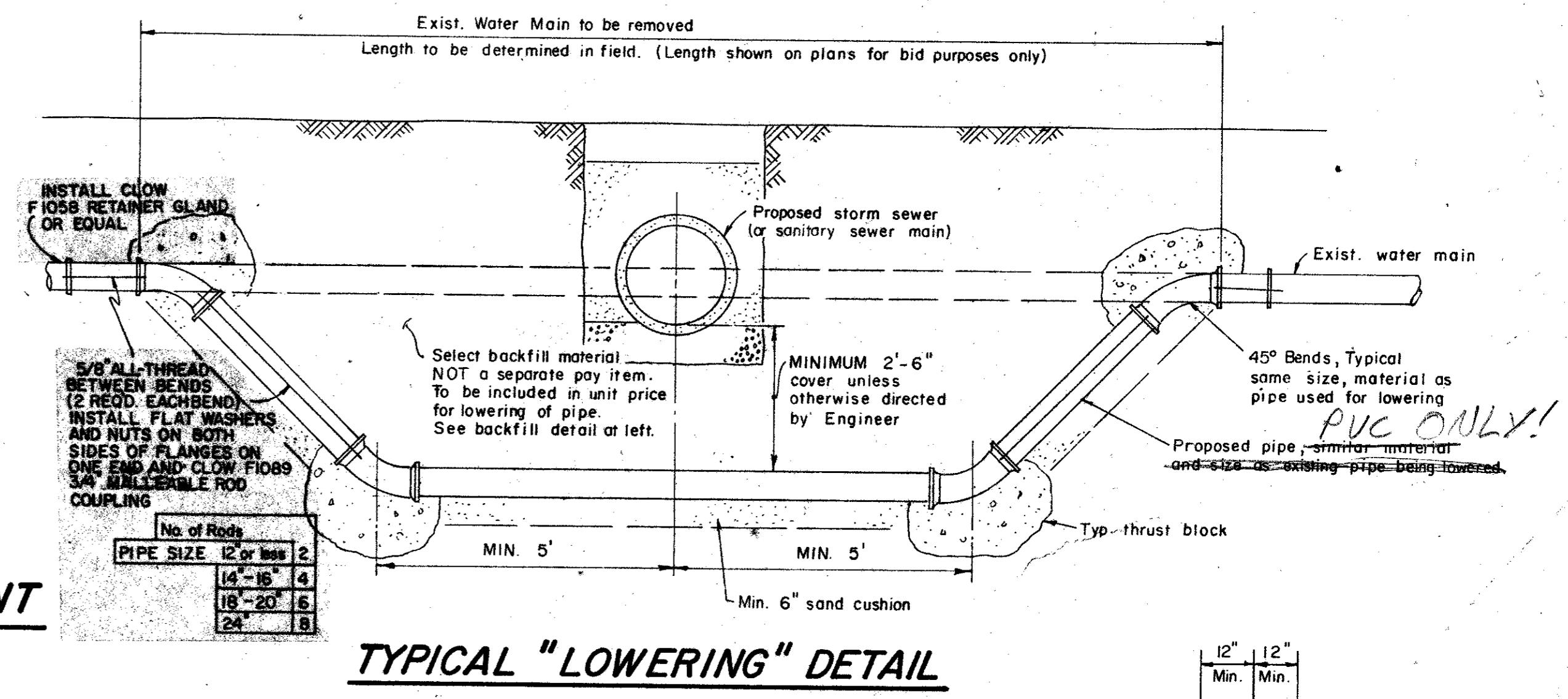


TYP. BACKFILL DETAIL (DUCTILE IRON PIPE)

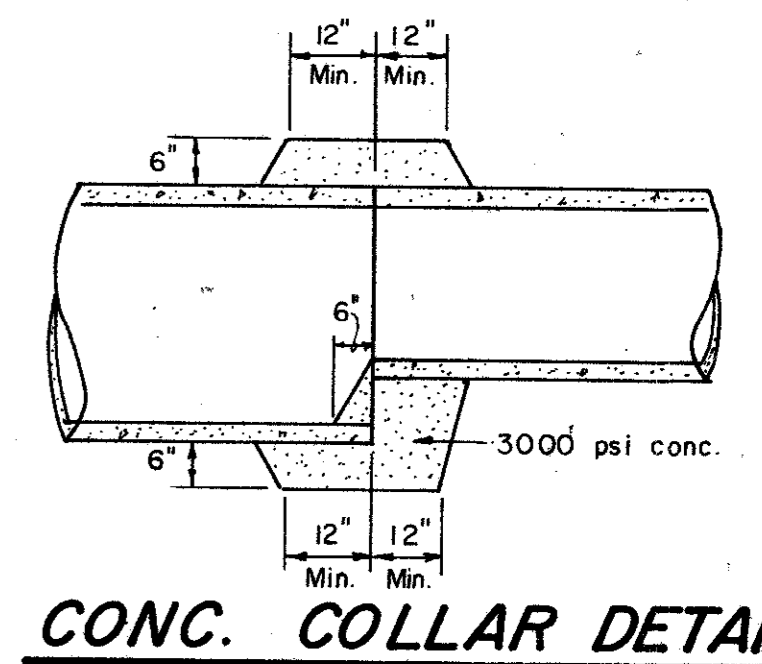
Scale = 1" = 1'-0"



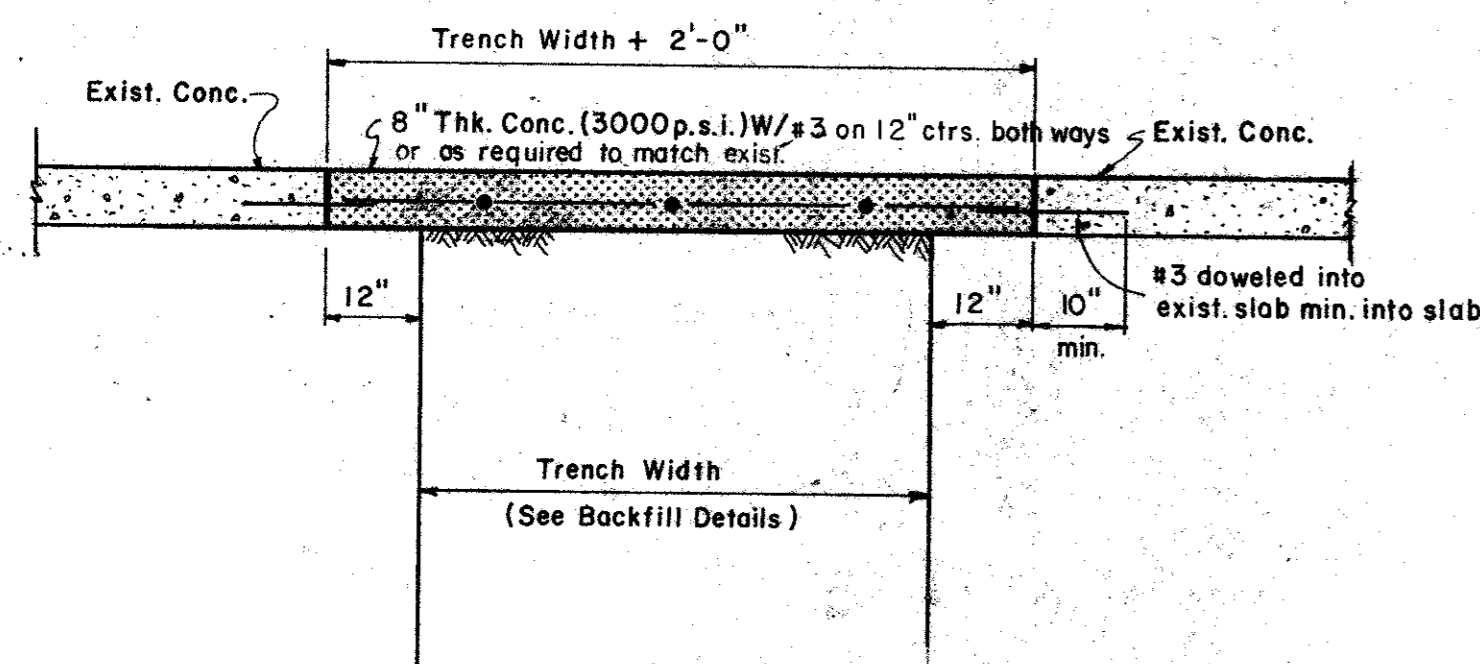
TYP. CONC. ENCASEMENT



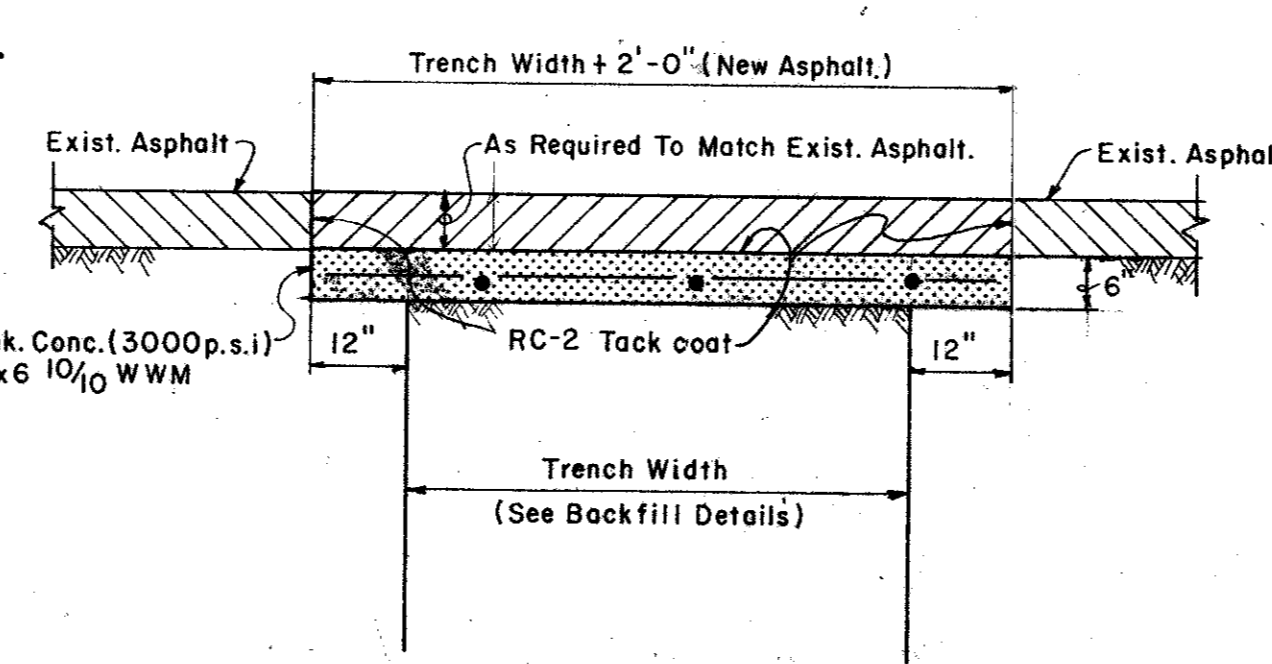
TYPICAL "LOWERING" DETAIL



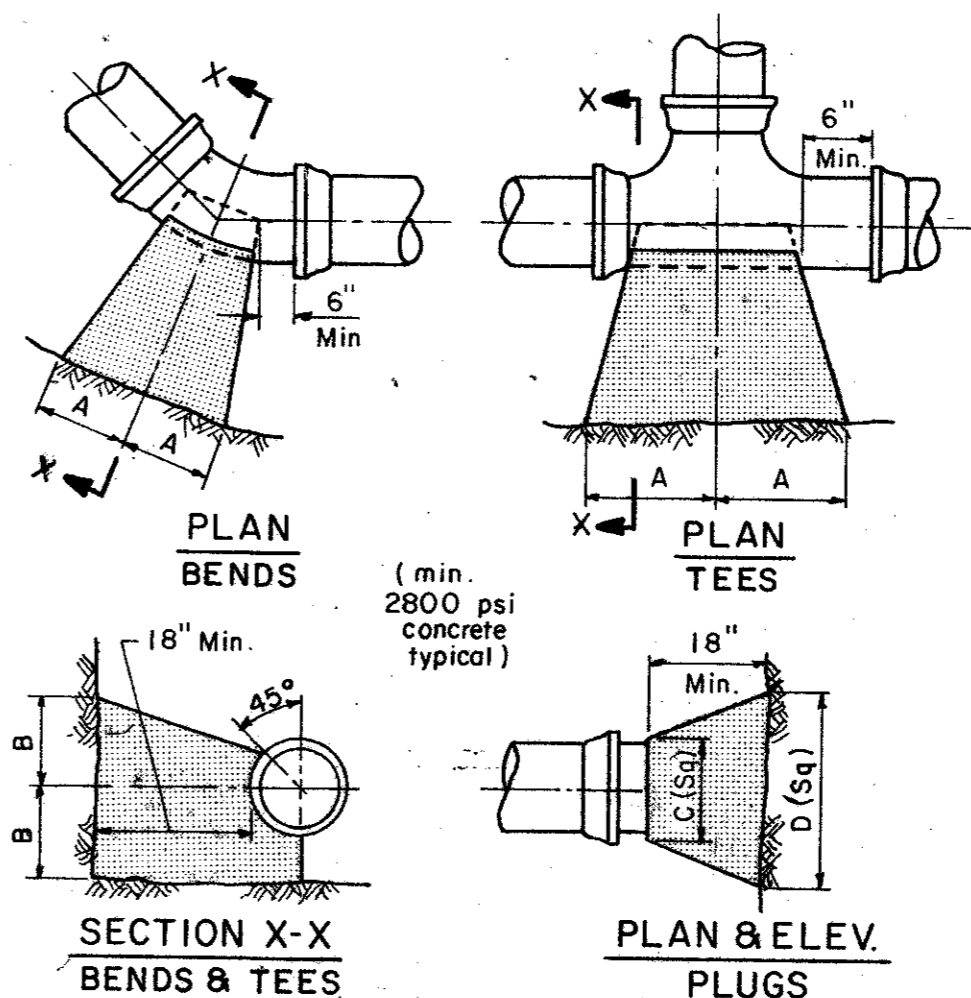
CONC. COLLAR DETAIL



TYP. CONC. PAVEMENT REPLACEMENT DETAIL



TYP. ASPHALT PAVEMENT REPLACEMENT DETAIL



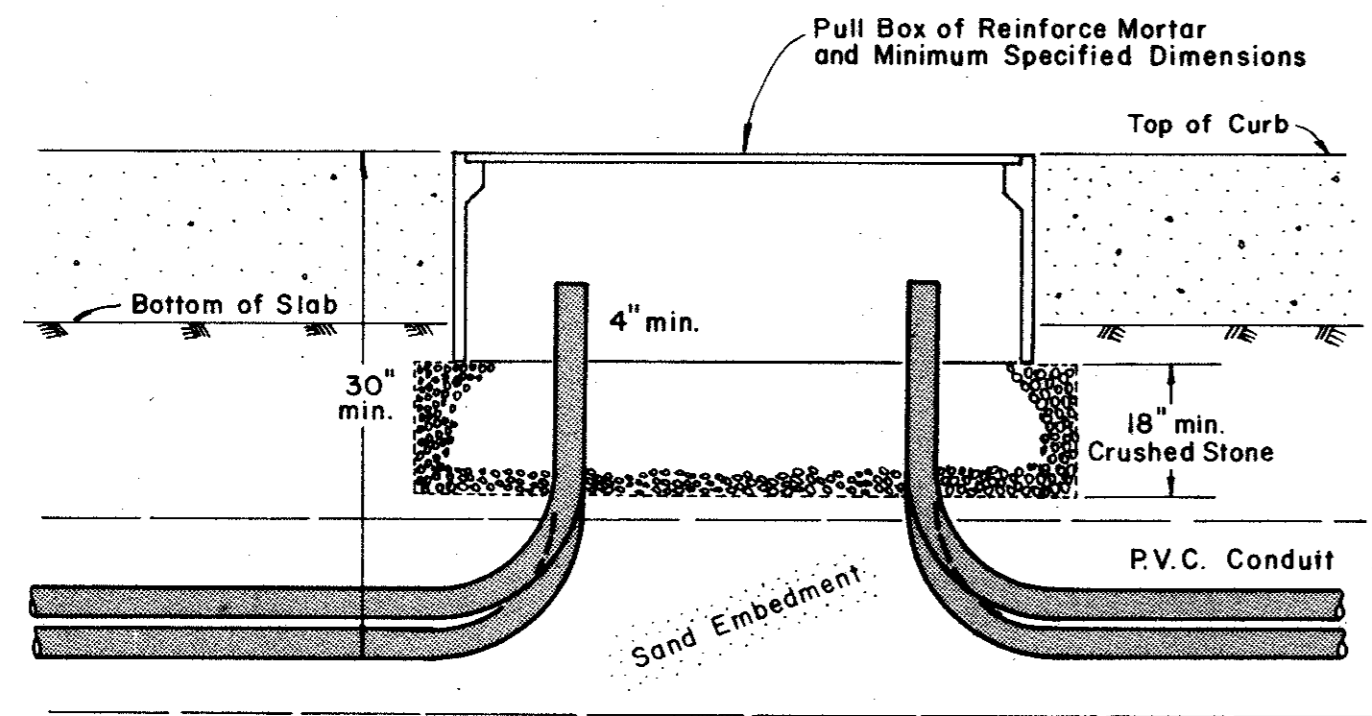
SOIL	SIZE	1/8" BEND				1/4" BEND				TEE				PLUG			
		A	B	A	B	A	B	A	B	C	D	A	B	C	D		
4000 PSF	8"	12"	12"	8"	10"	5"	9"	12"	12"	20"							
2000 PSF	8"	22"	13"	13"	8"	10"	13"	16"	12"	29"							

CITY OF ADDISON
DALLAS COUNTY, TEXAS

MISC. DETAILS

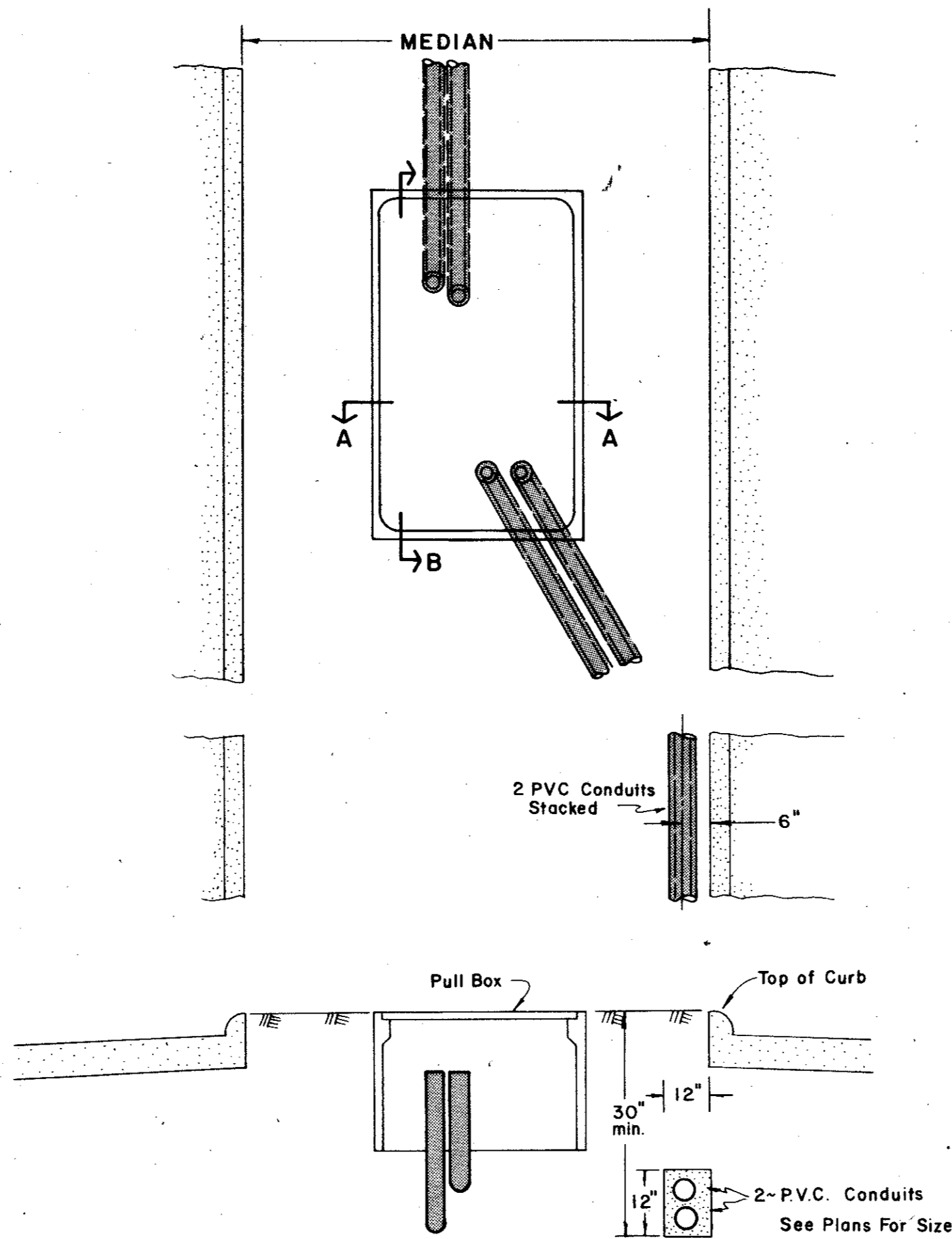
GINN, INC.
Consulting Engineers - Dallas, Texas

DESIGNED - W.K. DRAWN - S.M.M. DATE -
APPROVED - H.W.G. CHECKED - G.F. SCALE - AS SHOWN SHEET 30 OF

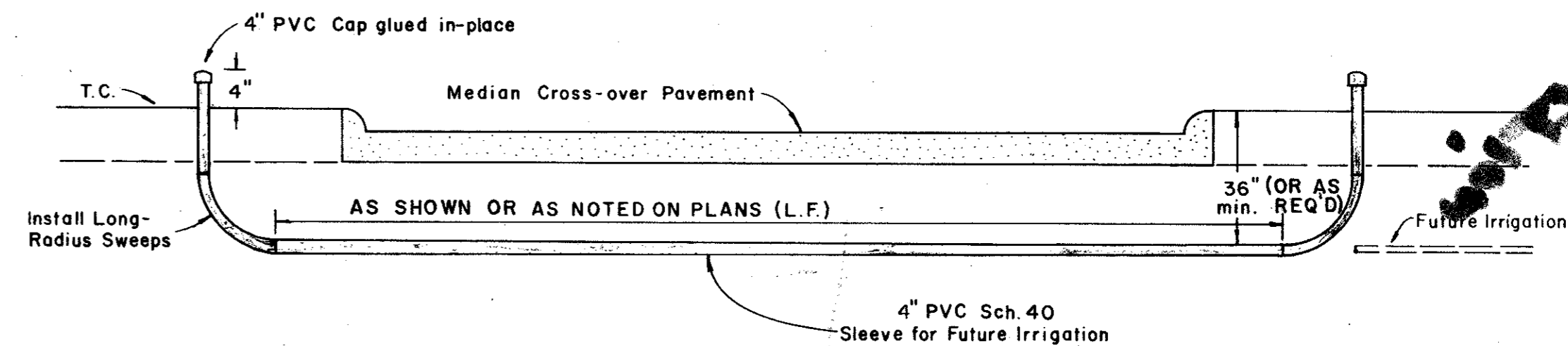


SECT. B-B

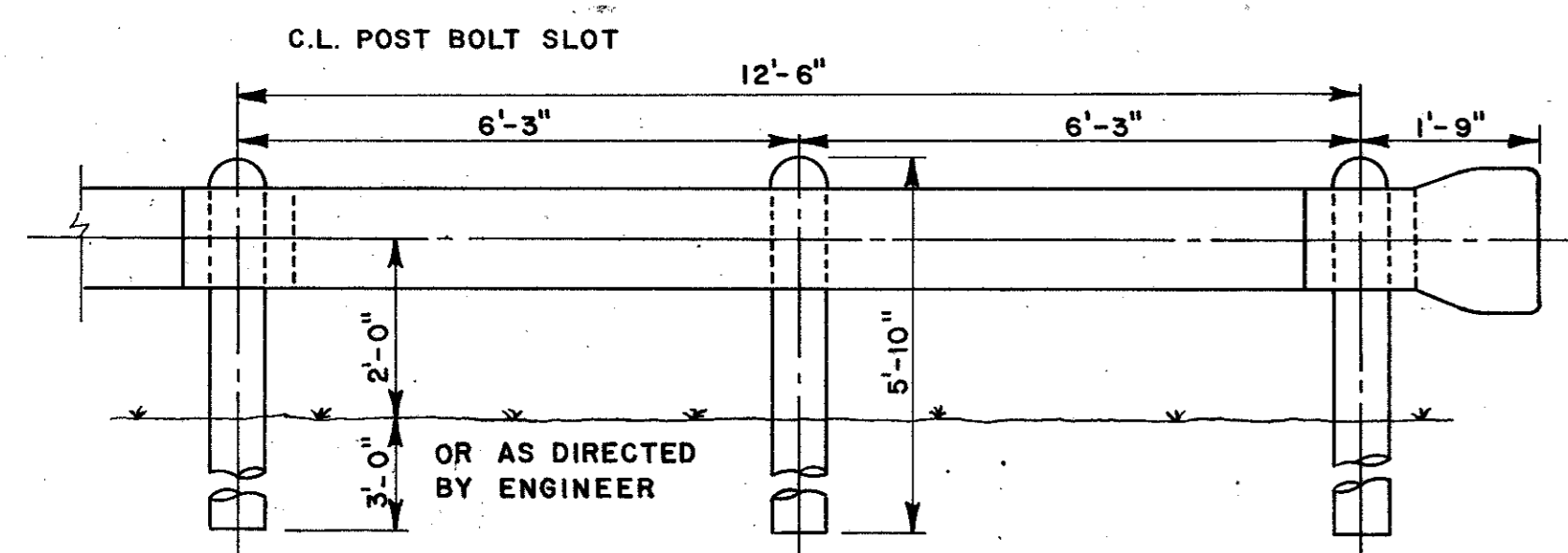
PULL BOX & CONDUIT DETAIL



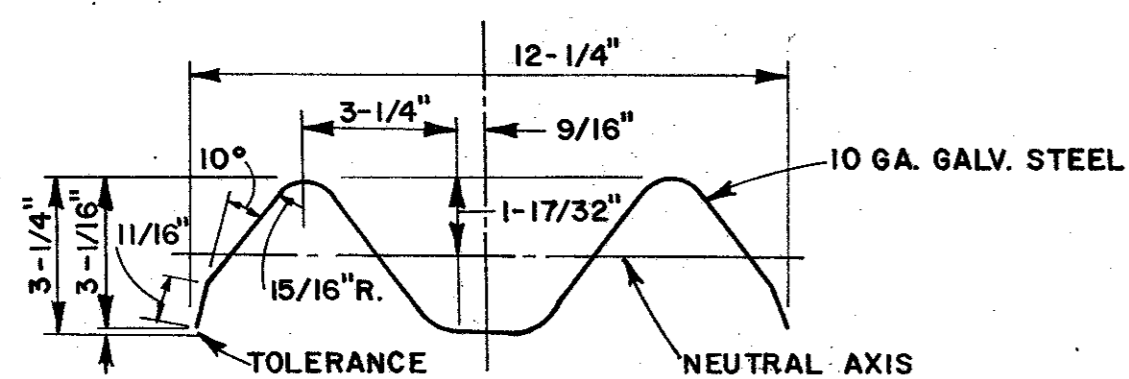
SECT. A-A



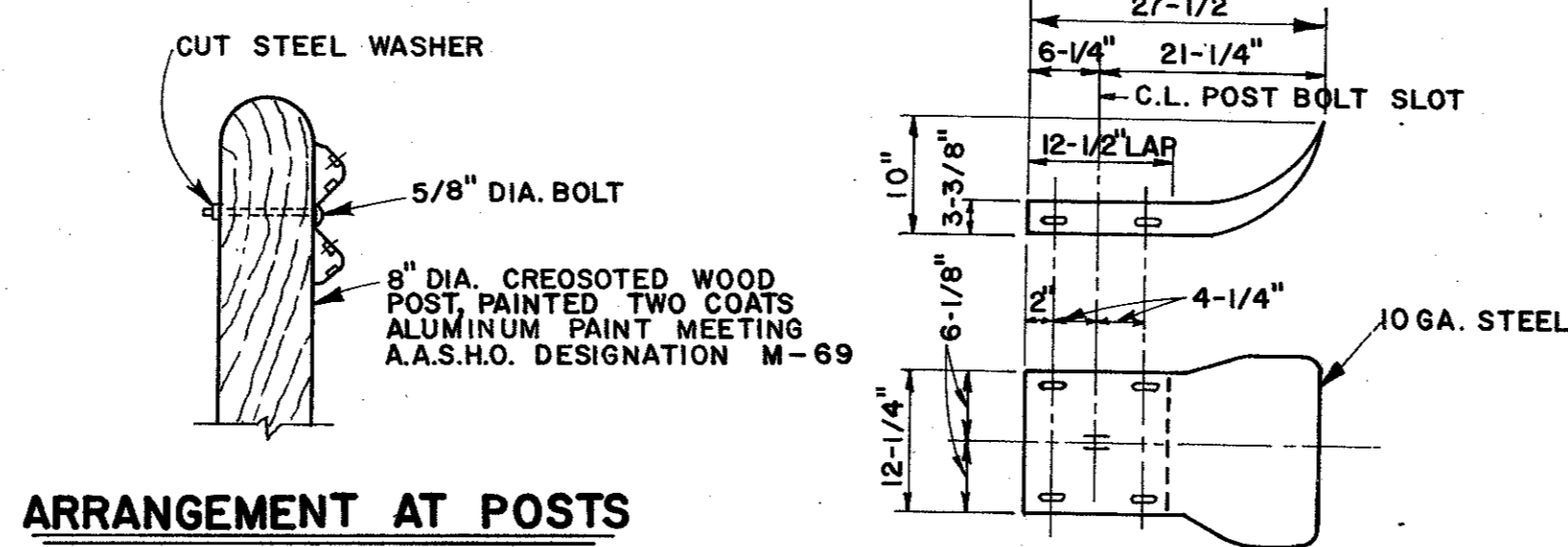
PVC SLEEVE FOR FUTURE IRRIGATION



INSTALLATION

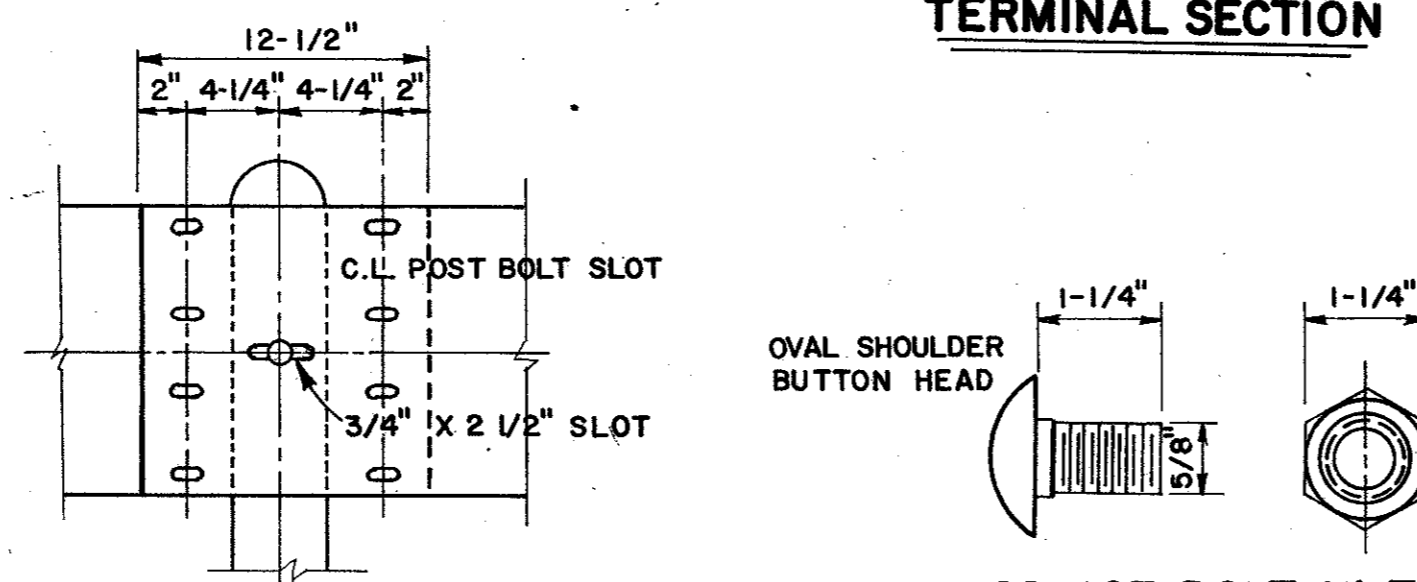


SECTION THROUGH RAIL ELEMENT

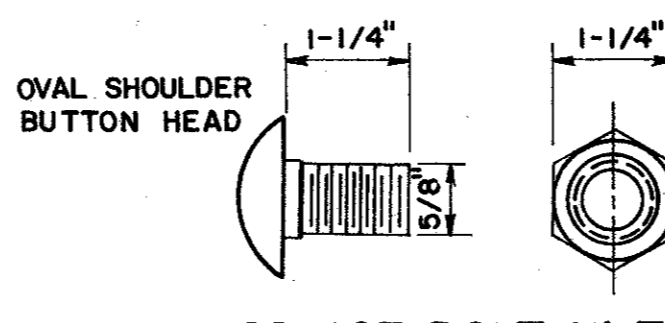


ARRANGEMENT AT POSTS

TERMINAL SECTION



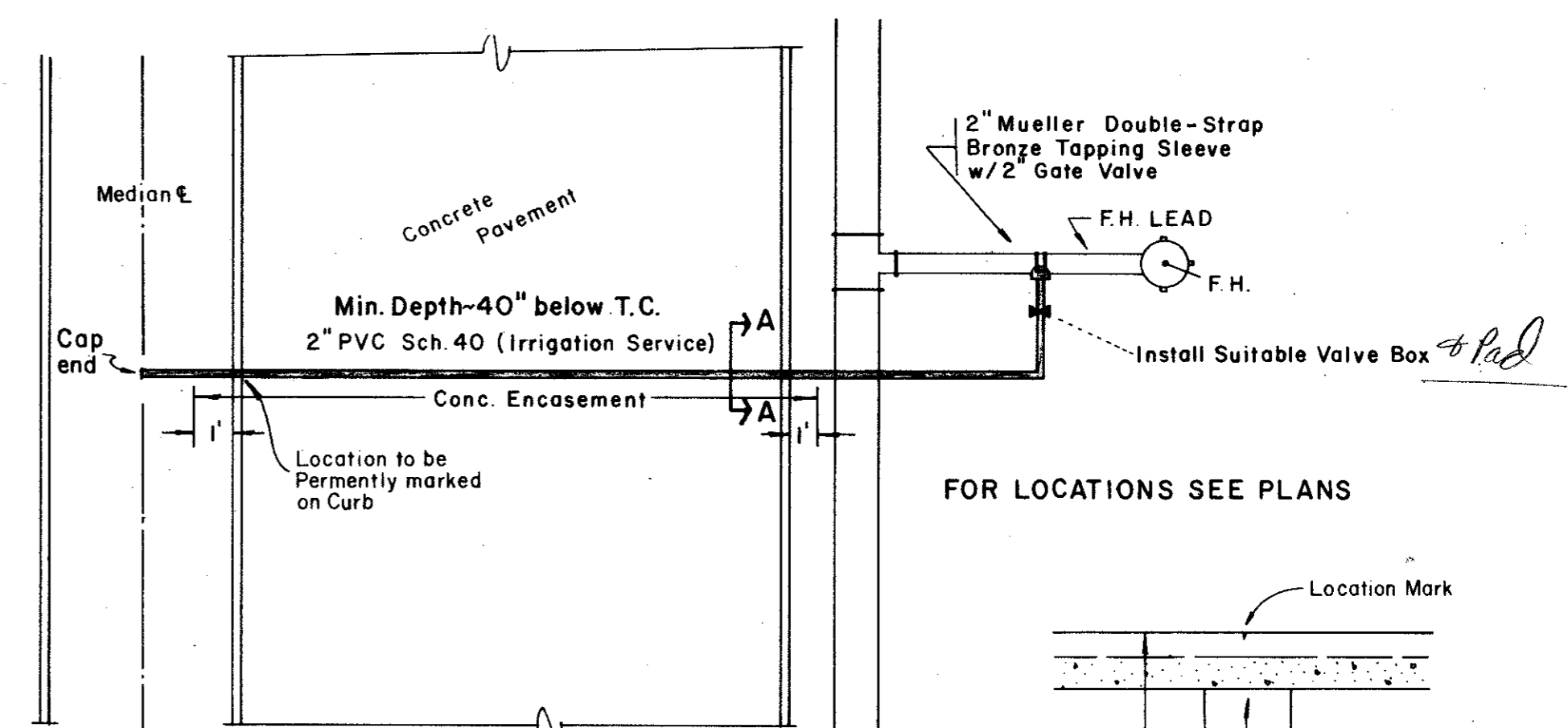
RAIL SPLICE



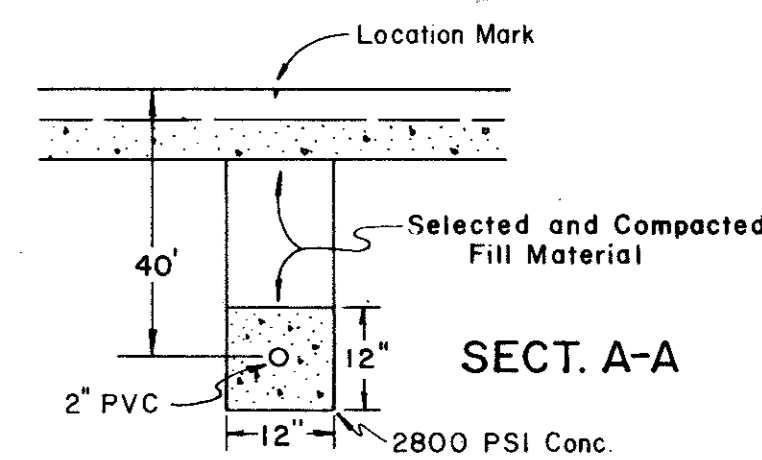
SPLICE BOLT NUT

ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCE

DEEP BEAM HIGHWAY GUARD RAIL



WATER SERVICE FOR MEDIANS



NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
MISC. DETAILS			
GINN, INC. Consulting Engineers - Dallas, Texas			
DESIGNED	DRAWN R.G.B.	DATE	FILE 178
APPROVED	CHECKED	SCALE NONE	SHEET OF