

CITIES OF ADDISON AND FARMERS BRANCH

DALLAS COUNTY, TEXAS

CONSTRUCTION PLANS FOR: SPRING VALLEY ROAD

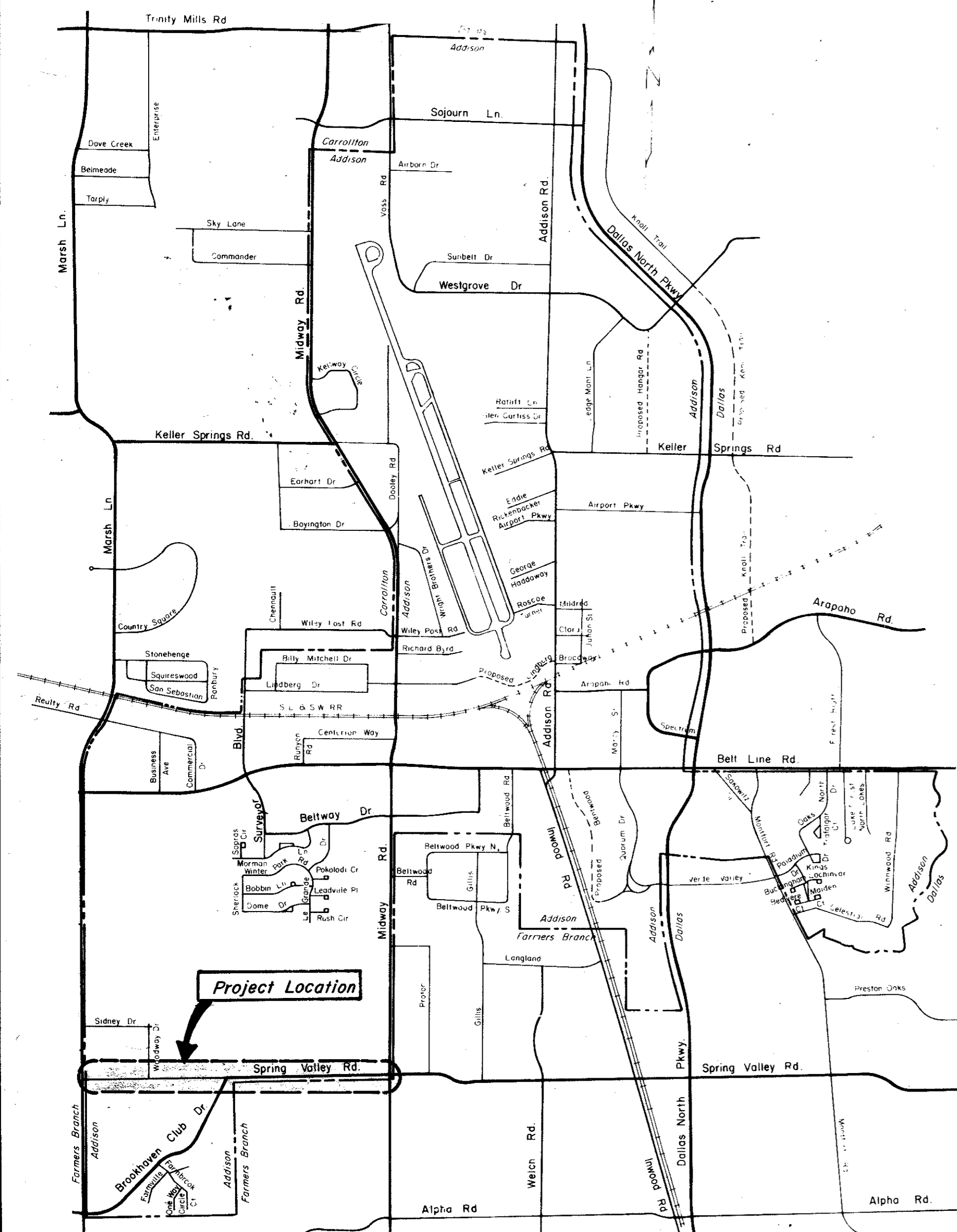
MARSH LANE TO MIDWAY ROAD
PROJECT LENGTH = 5132 FT.

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



GINN INC.
CONSULTING ENGINEERS
DALLAS, TEXAS
1982

Record Set 5/9/85

CITY OF FARMERS BRANCH

Approved By: *Earl Deland*

DATE: *Nov. 23, 1982*

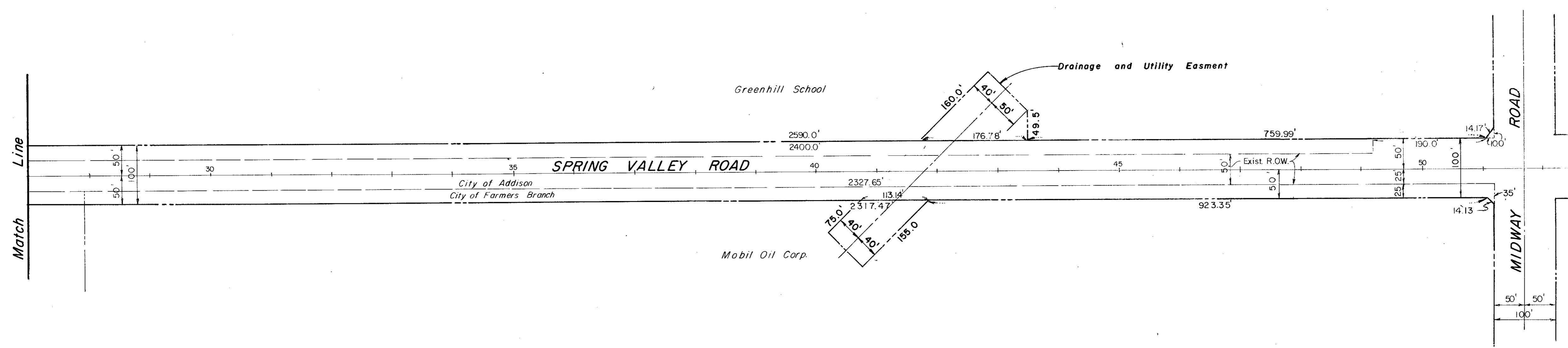
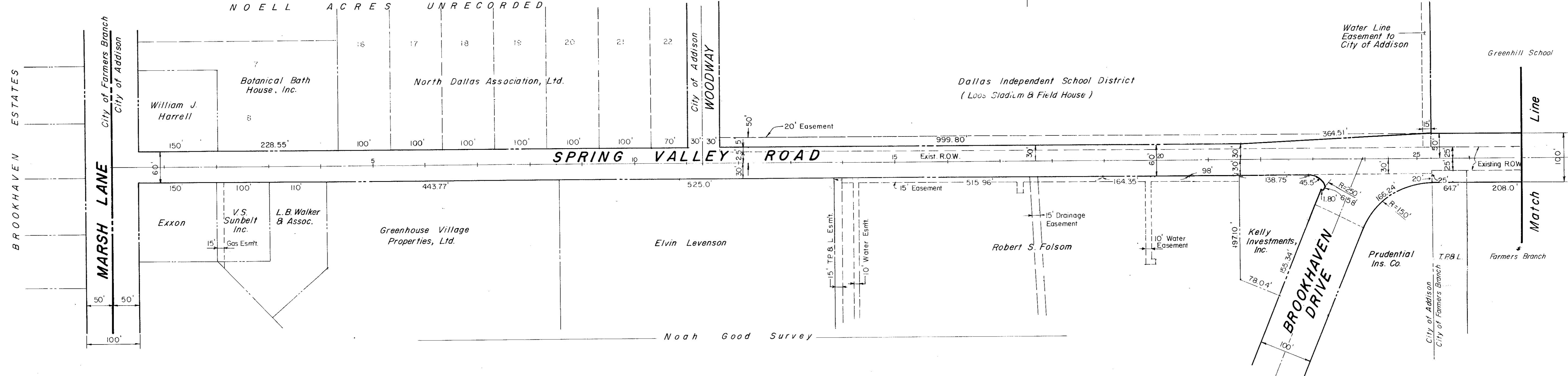
CITY OF ADDISON

Approved By: *Jerry Redding*
Mayor

DATE: *Nov 23, 1982*

Thomas L. Chenoweth Survey

NOELL ACRES UNRECORDED

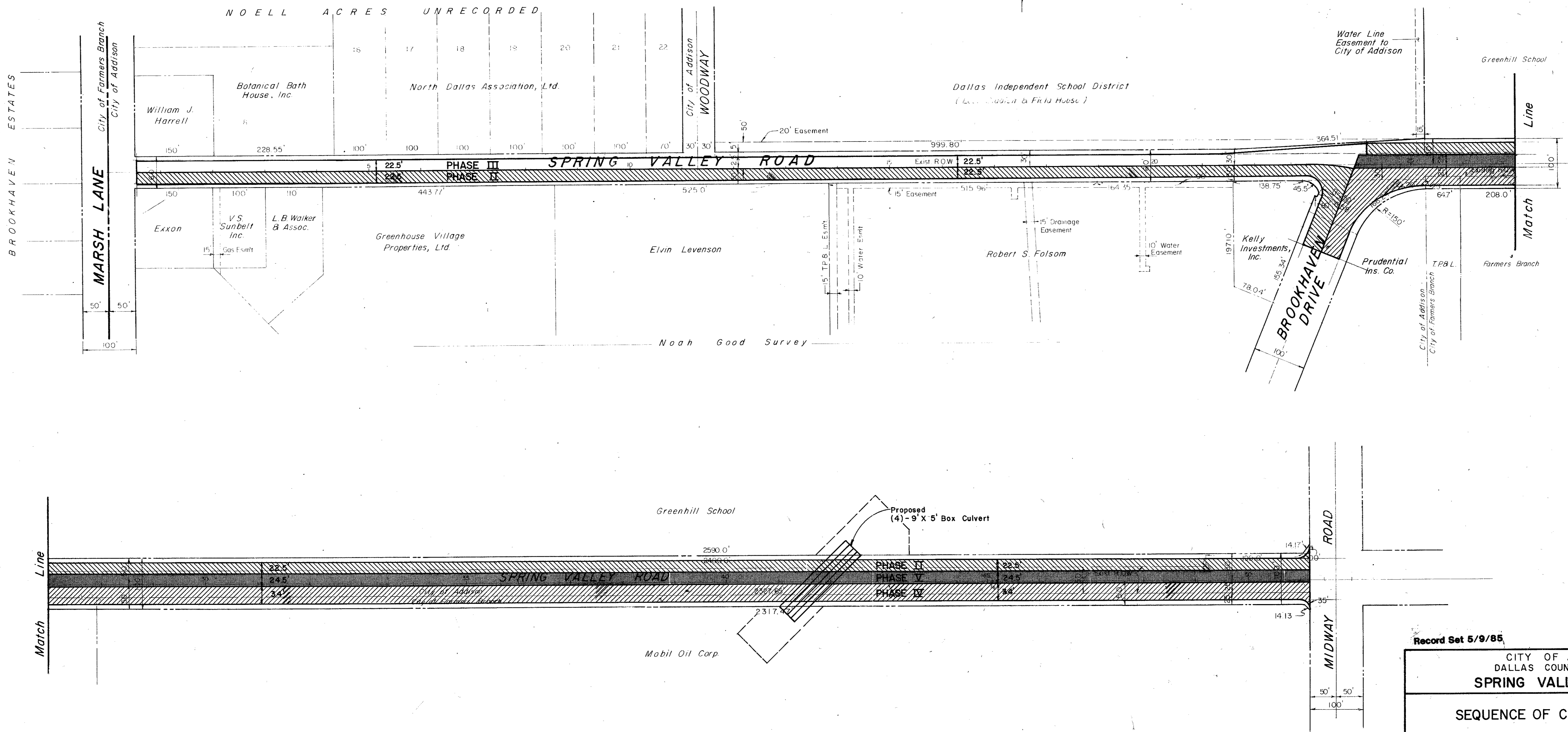


Record Set 5/9/85			
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
RIGHT-OF-WAY MAP			
GINN, INC. Consulting Engineers - Dallas, Texas			
Designed-	Drawn - F	Date-	Job No. J-178
Approved-	Checked-	Scale - 1" = 100'	Sheet 2 of

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.

Thomas L. Chenoweth Survey



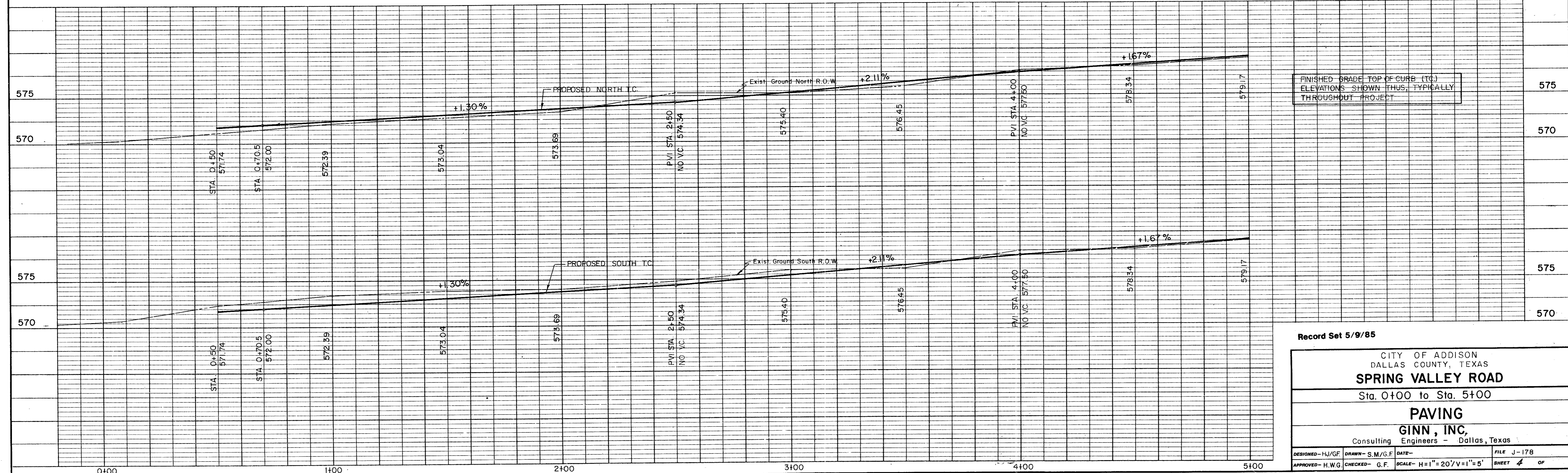
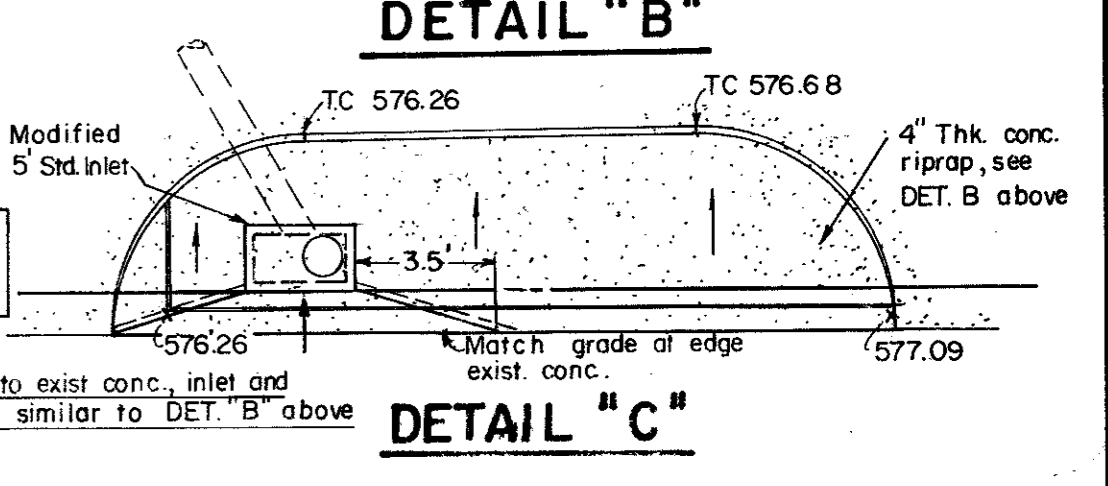
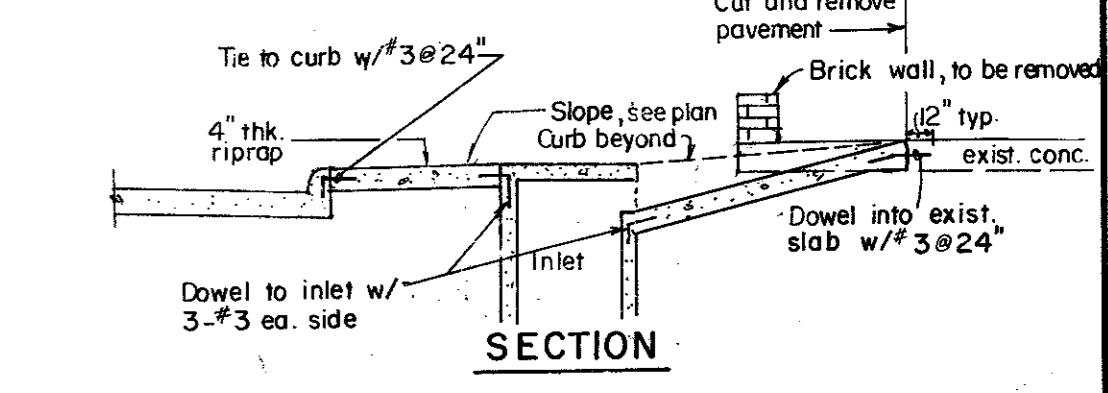
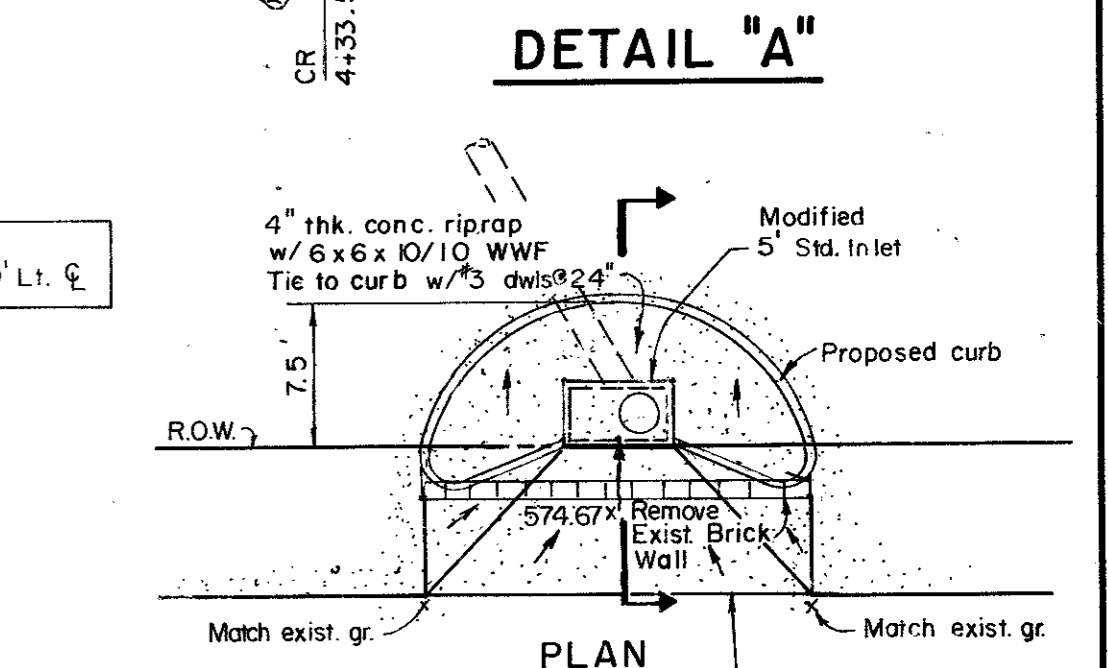
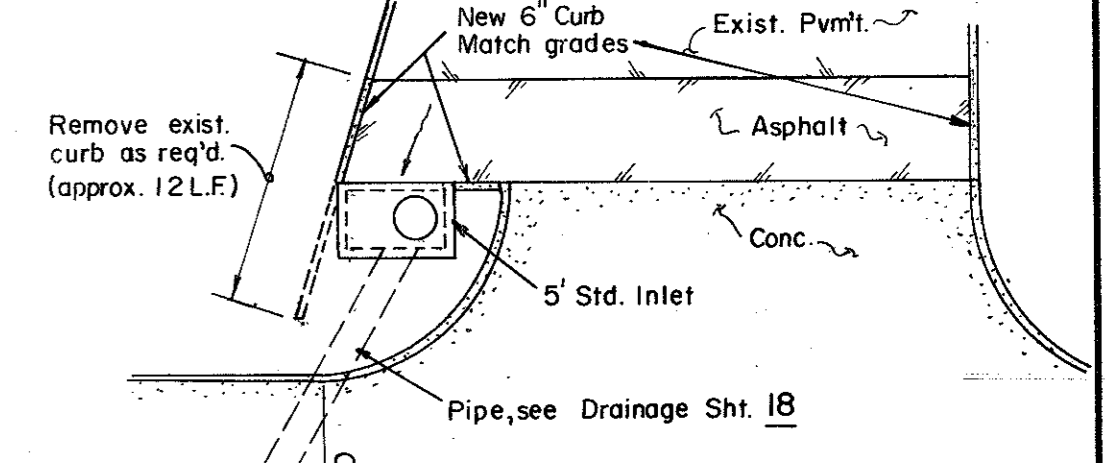
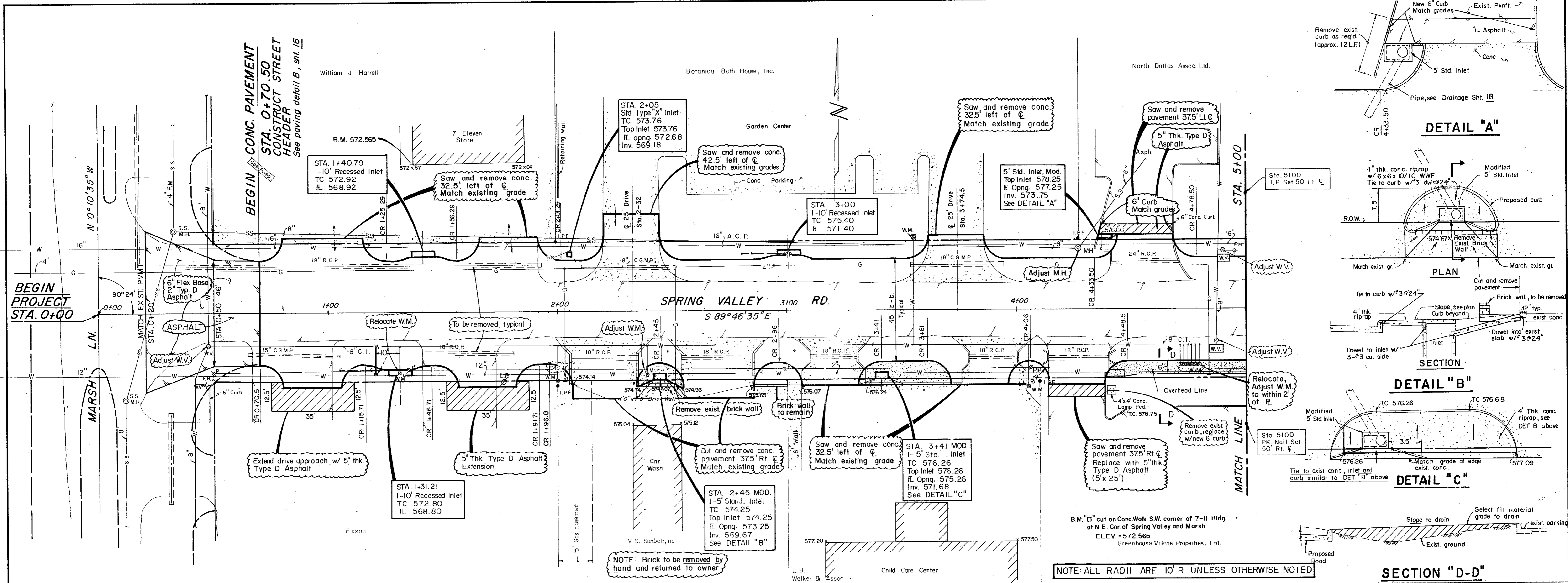
Record Set 5/9/85

CITY OF ADDISON
DALLAS COUNTY, TEXAS
SPRING VALLEY ROAD

SEQUENCE OF CONSTRUCTION

GINN, INC.
Consulting Engineers - Dallas, Texas

Designed-	Drawn - E	Date-	Job No. J-178
Approved-	Checked-	Scale- 1" = 100'	Sheet 3 of



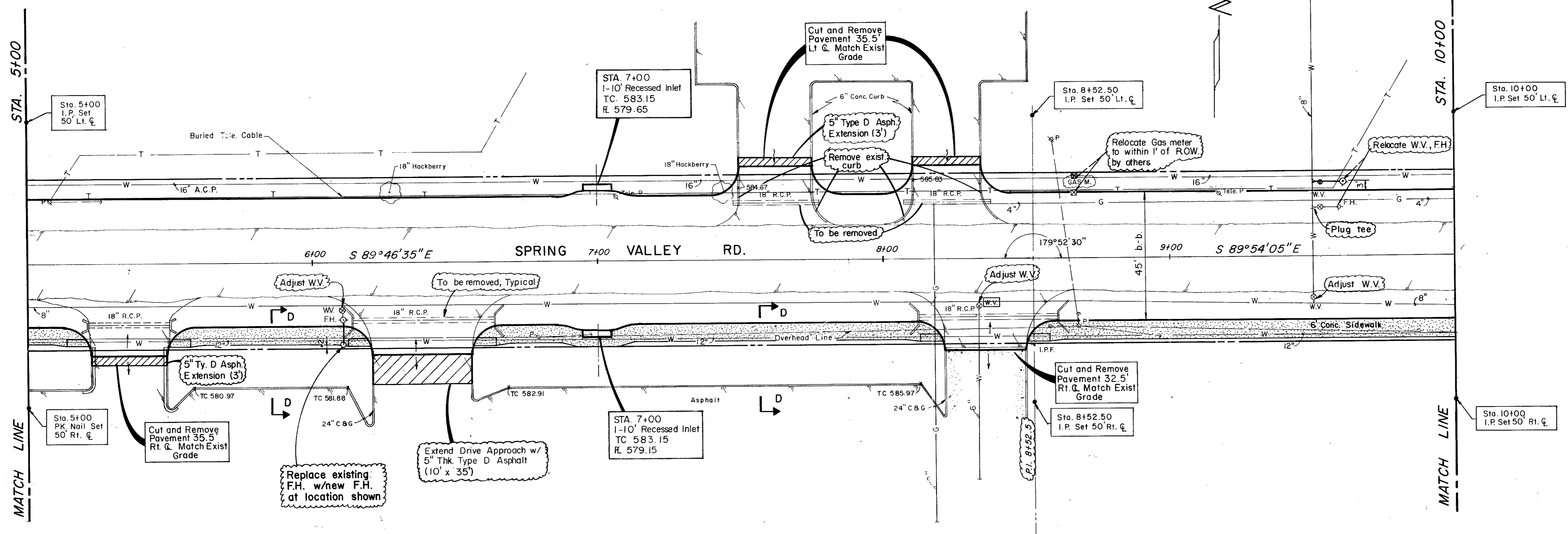
Record Set 5/9/85

CITY OF ADDISON
DALLAS COUNTY, TEXAS
SPRING VALLEY ROAD
Sta. 0+00 to Sta. 5+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 - G.F. SCALE - H=1"=20'/V=1"=5' SHEET 4 OF

North Dallas Assoc., Ltd.



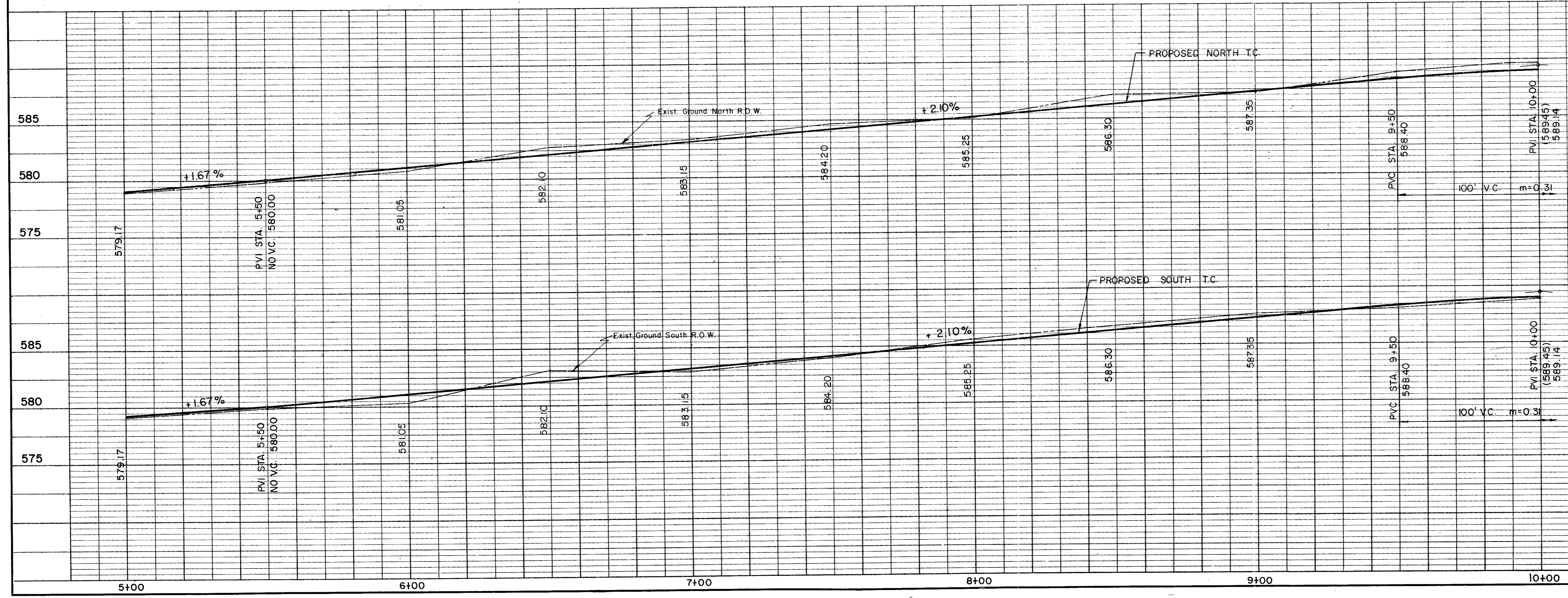
Greenhouse Village Properties, Ltd.

Elvin Levenson

FOR SECTION D-D, SEE SHT. 4

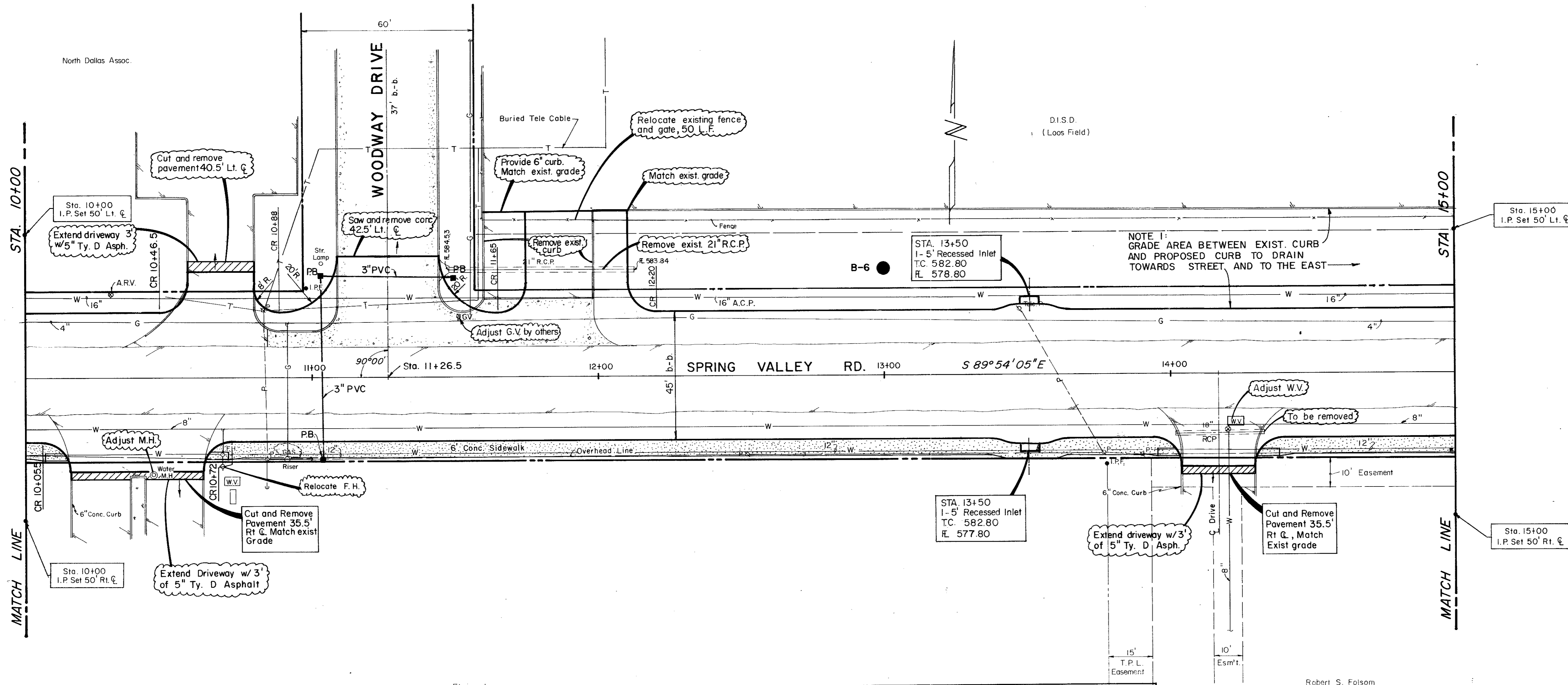
NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED

Record Set 5/9/85



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

Spring Valley

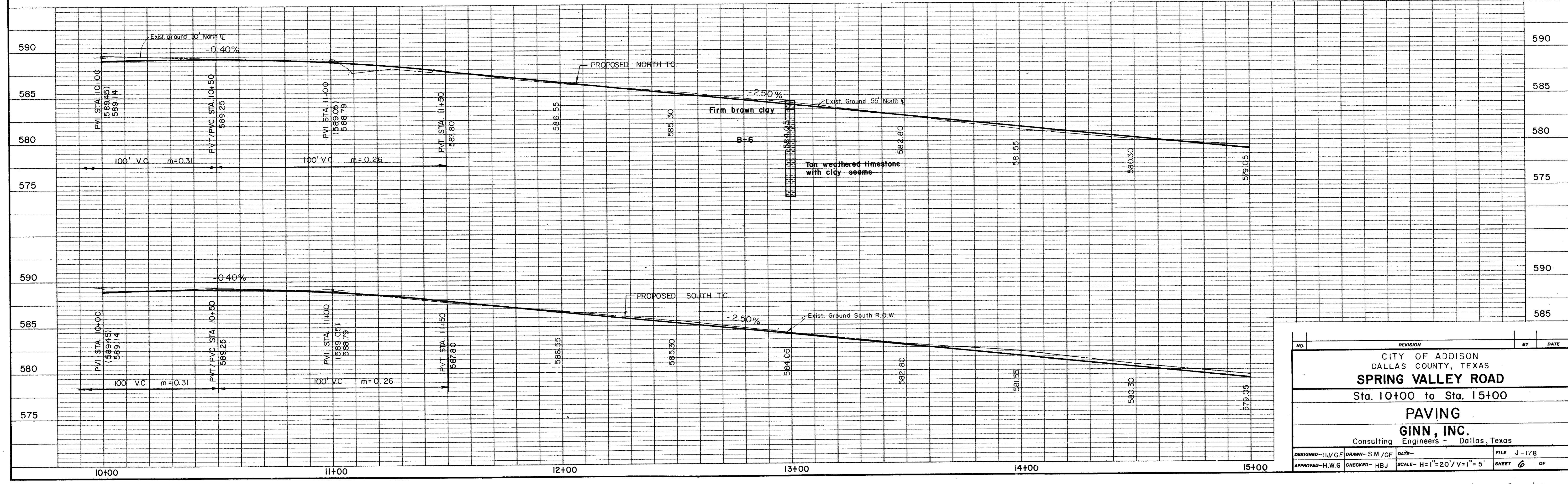


Elvin Levenson

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

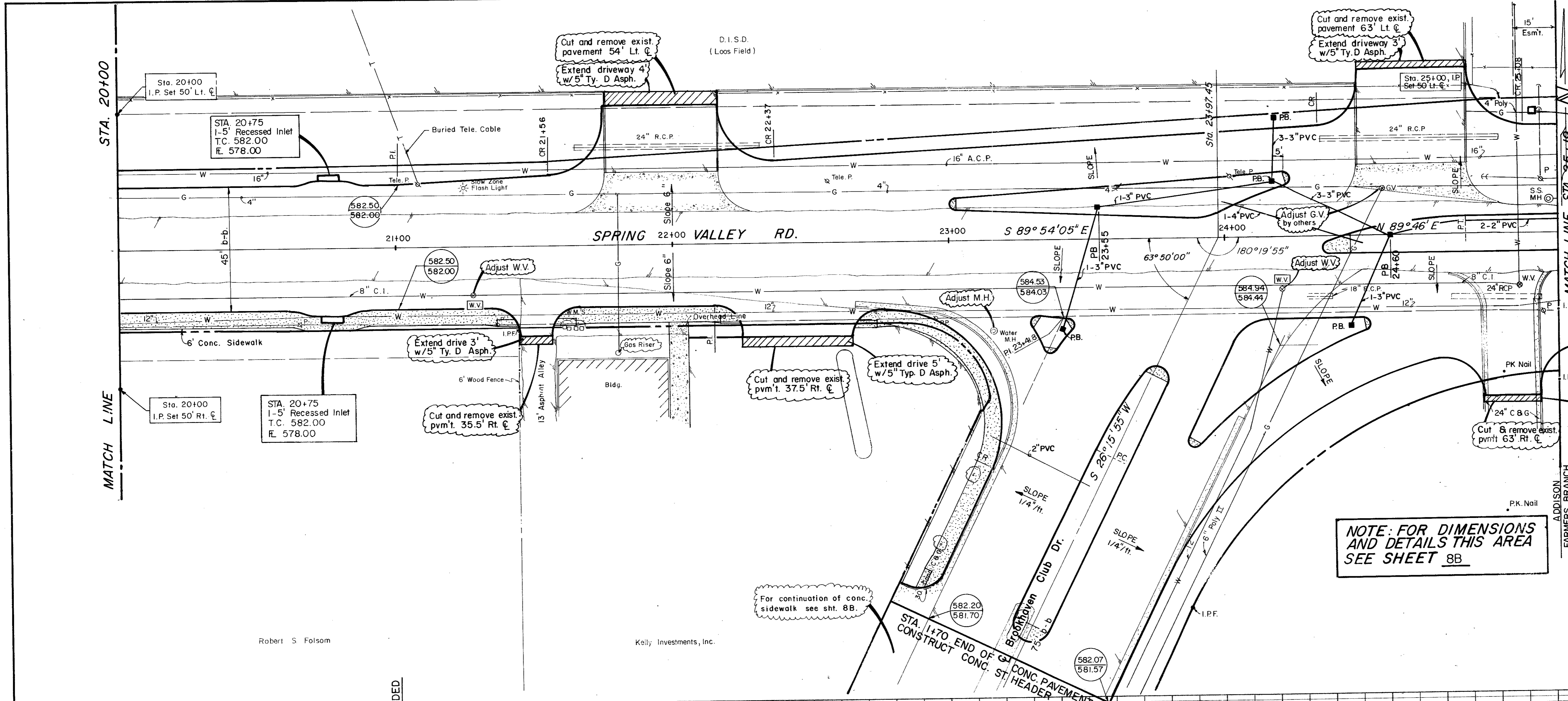
Robert S. Folsom

Record Set 5/9/85



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-HJ/GF	DRAWN-S.M./GF	DATE-	FILE J-178
APPROVED-H.W.G	CHECKED-HBJ	SCALE-H=1"=20'/V=1"=5'	SHEET 6 OF

Spring Valley



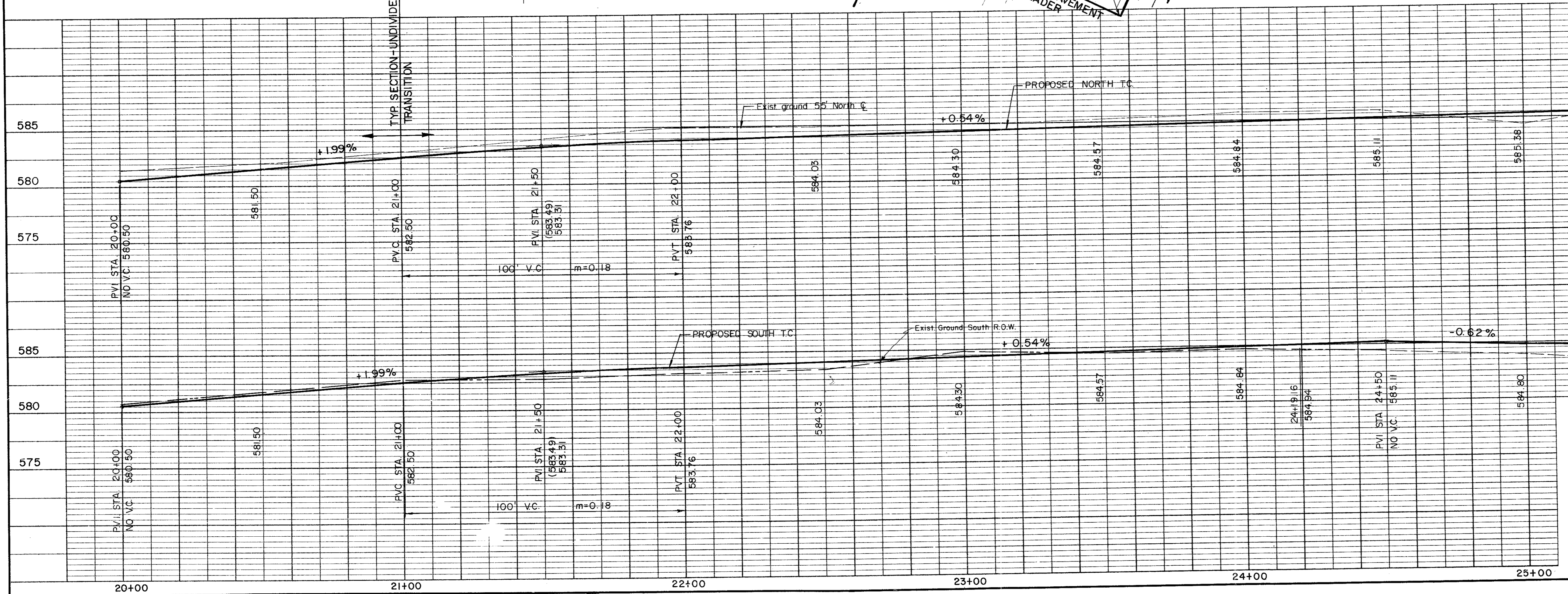
INLET, See next sheet for details

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

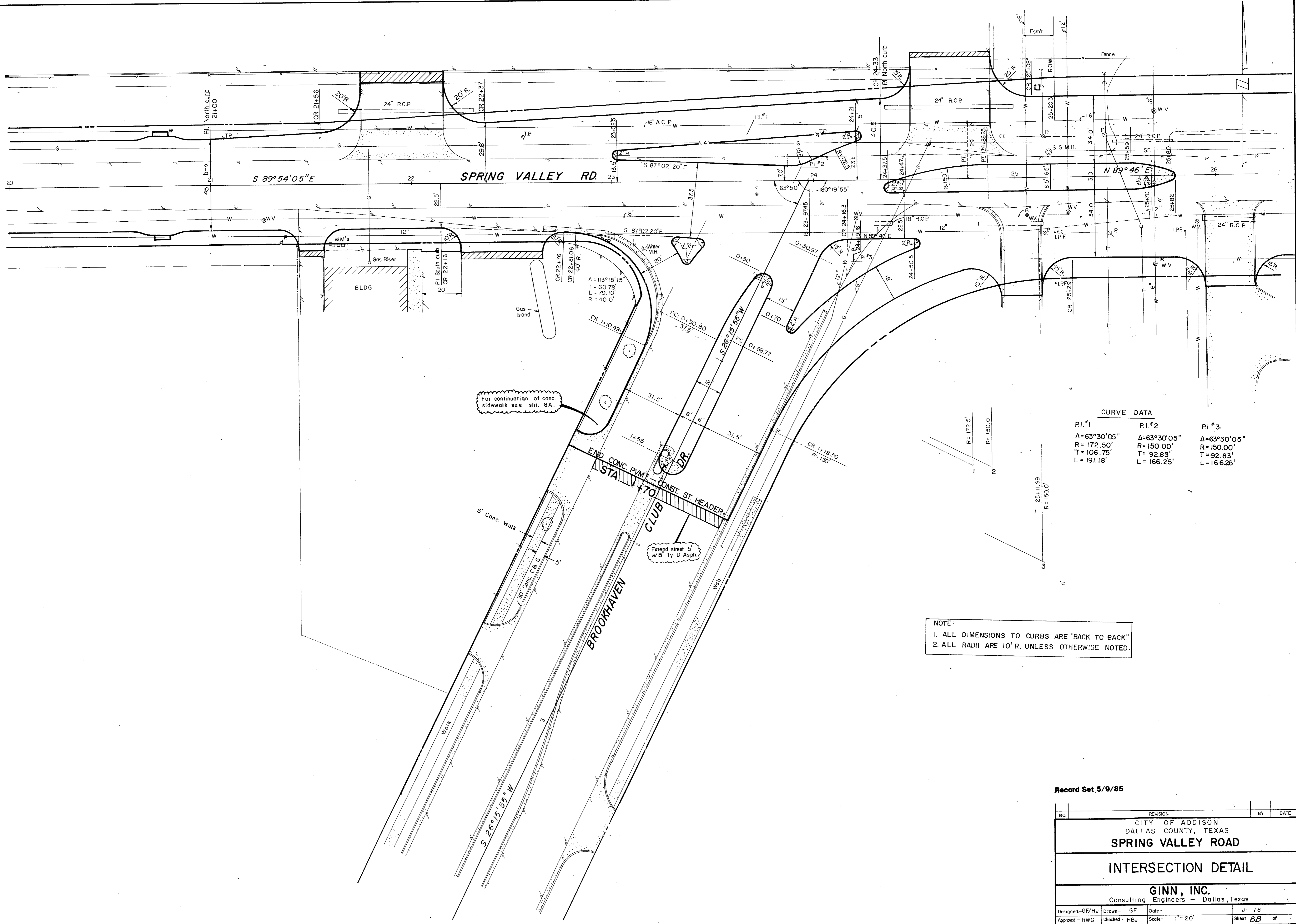
Robert S. Folsom

Kelly Investments, Inc.

Record Drawing 4/10/85



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



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

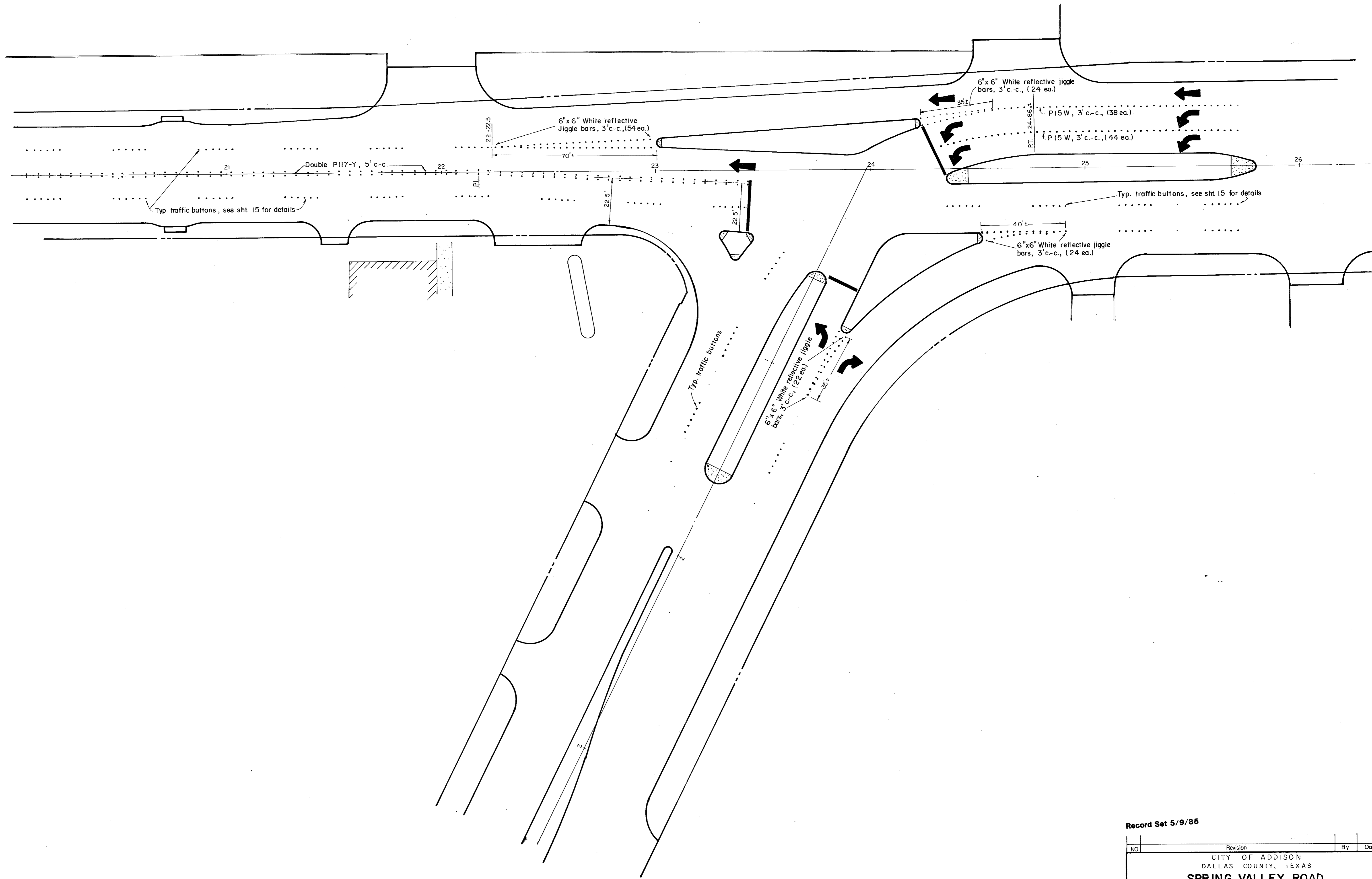
Extend street 5' w/8" Ty. D Asph

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

CURVE DATA		
PI. #1	PI. #2	PI. #3
$\Delta = 63^{\circ}30'05''$	$\Delta = 63^{\circ}30'05''$	$\Delta = 63^{\circ}30'05''$
$R = 172.50'$	$R = 150.00'$	$R = 150.00'$
$T = 106.75'$	$T = 92.83'$	$T = 92.83'$
$L = 191.18'$	$L = 166.25'$	$L = 166.25'$

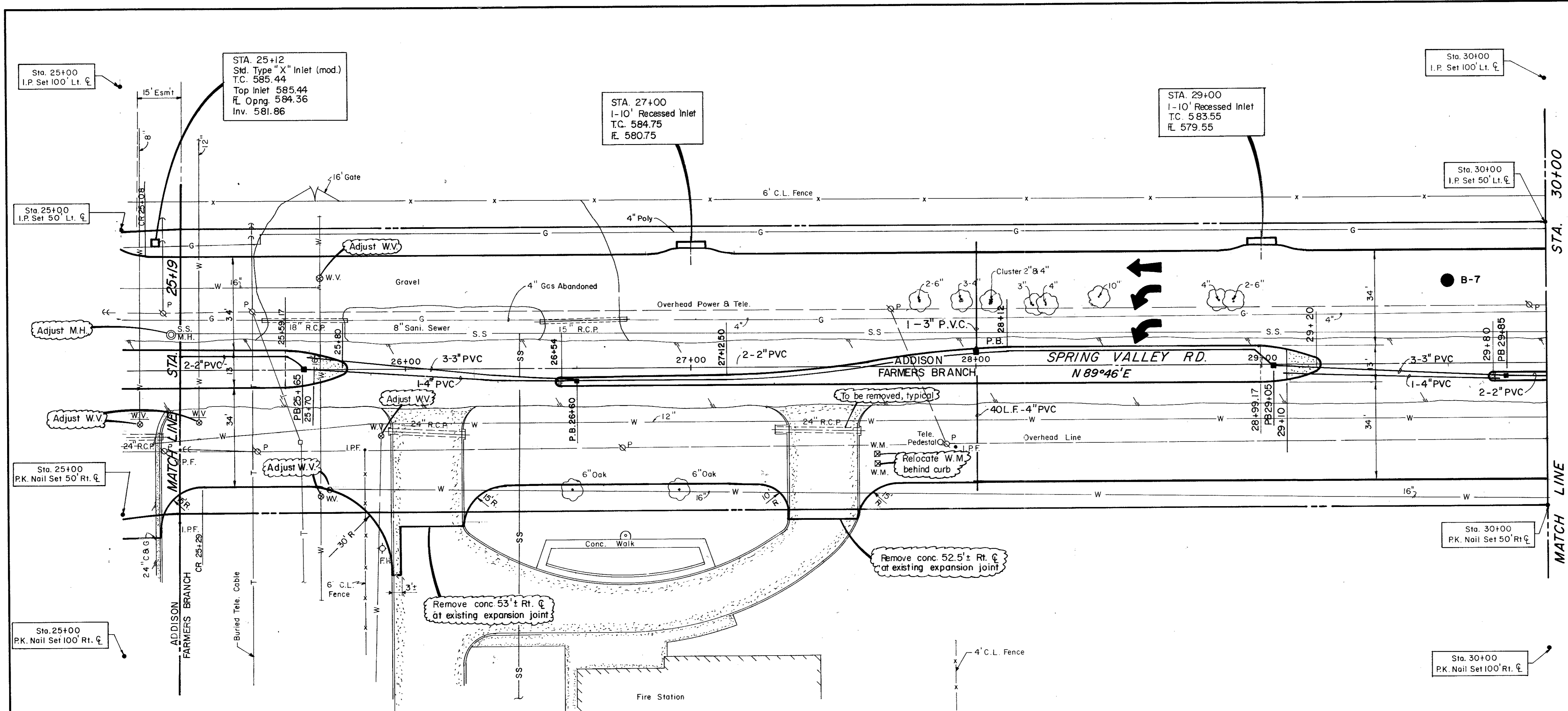
Record Set 5/9/85

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

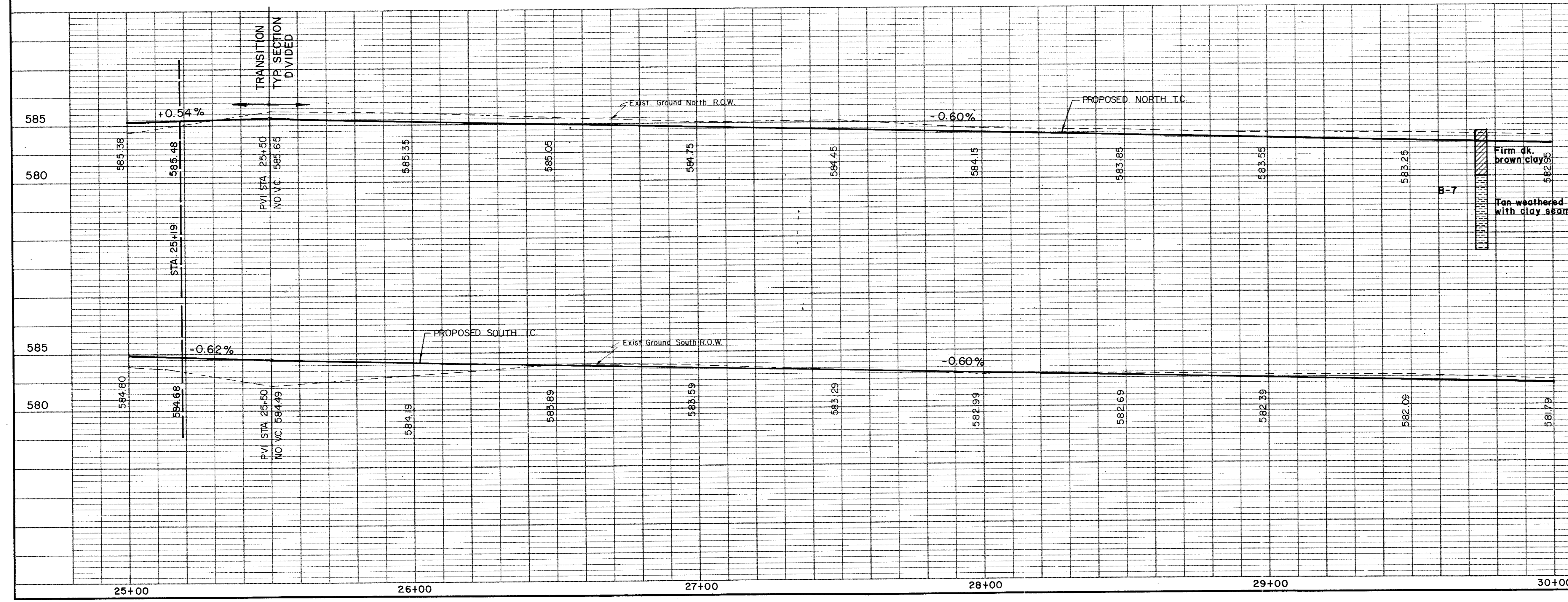


Record Set 5/9/85

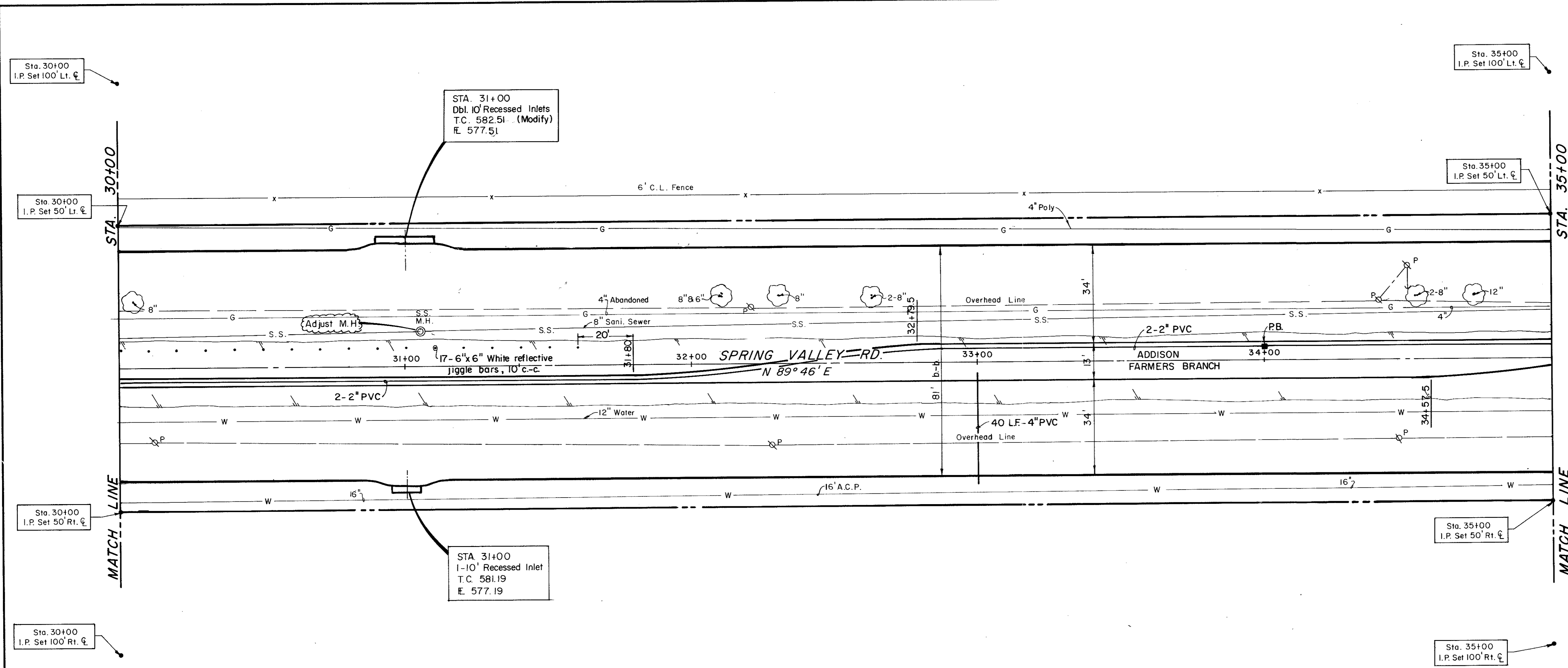
NO	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
CHANNELIZATION DETAIL			
GINN, INC. Consulting Engineers - Dallas, Texas			
Designed - HBJ	Drawn - GF	Date -	Job - J-178
Approved - HBJ	Checked - HBJ	Scale 1"=20'	Sheet BC of



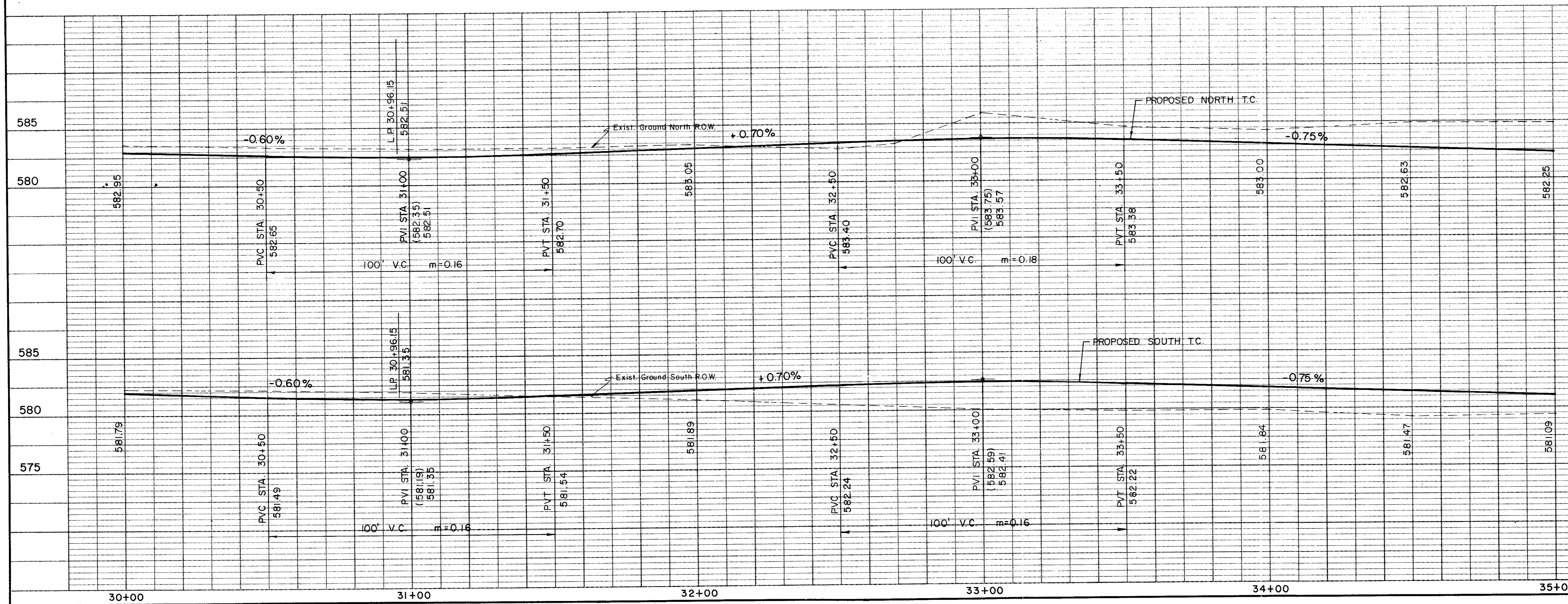
Record Drawing 4/10/85
 B.M. #2 On Conc. At N.E. Corner, Sidewalk Of Farmers Branch
 Fire Station No. 2 At N.E. Of Bldg.
 Elev. 584.57



NO.	1	REVISION	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-17B
APPROVED	H, W, G	CHECKED	H, B, J	SCALE	H=1"=20' V=1"=5'	SHEET	9 OF

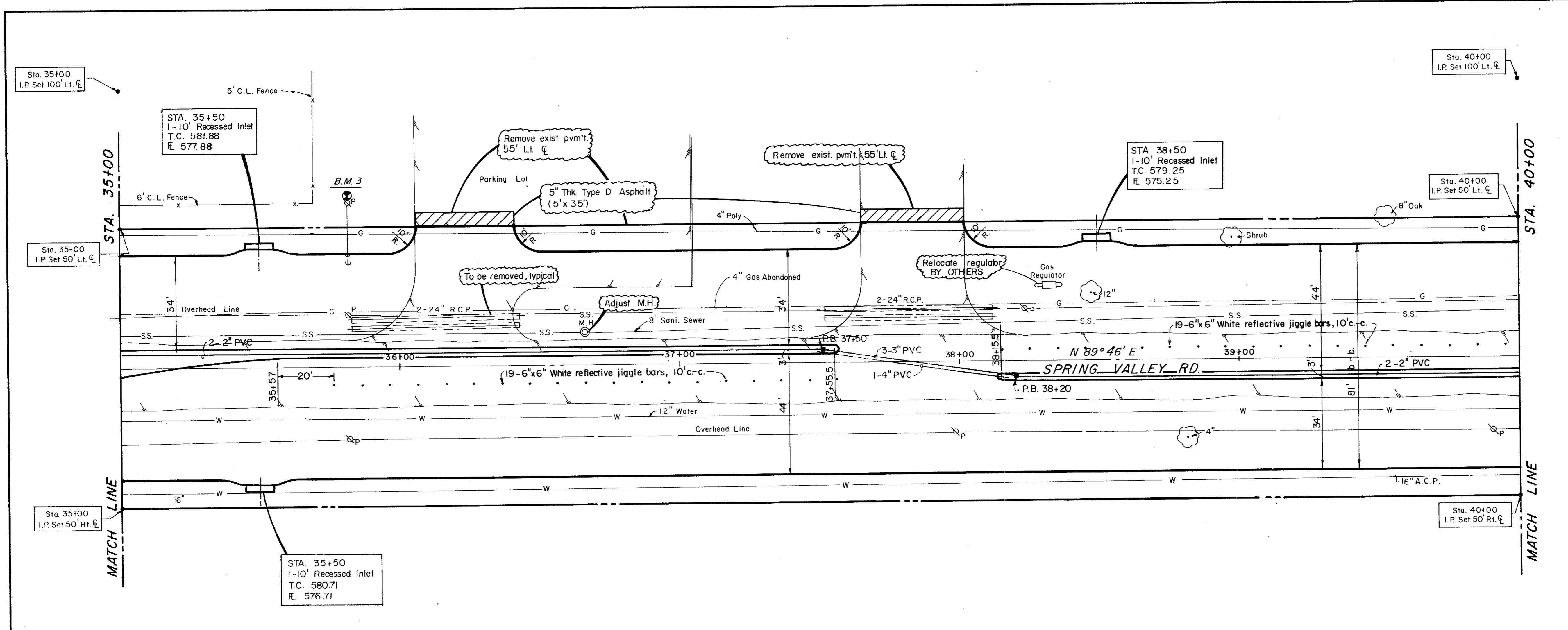


Record Set 5/9/85

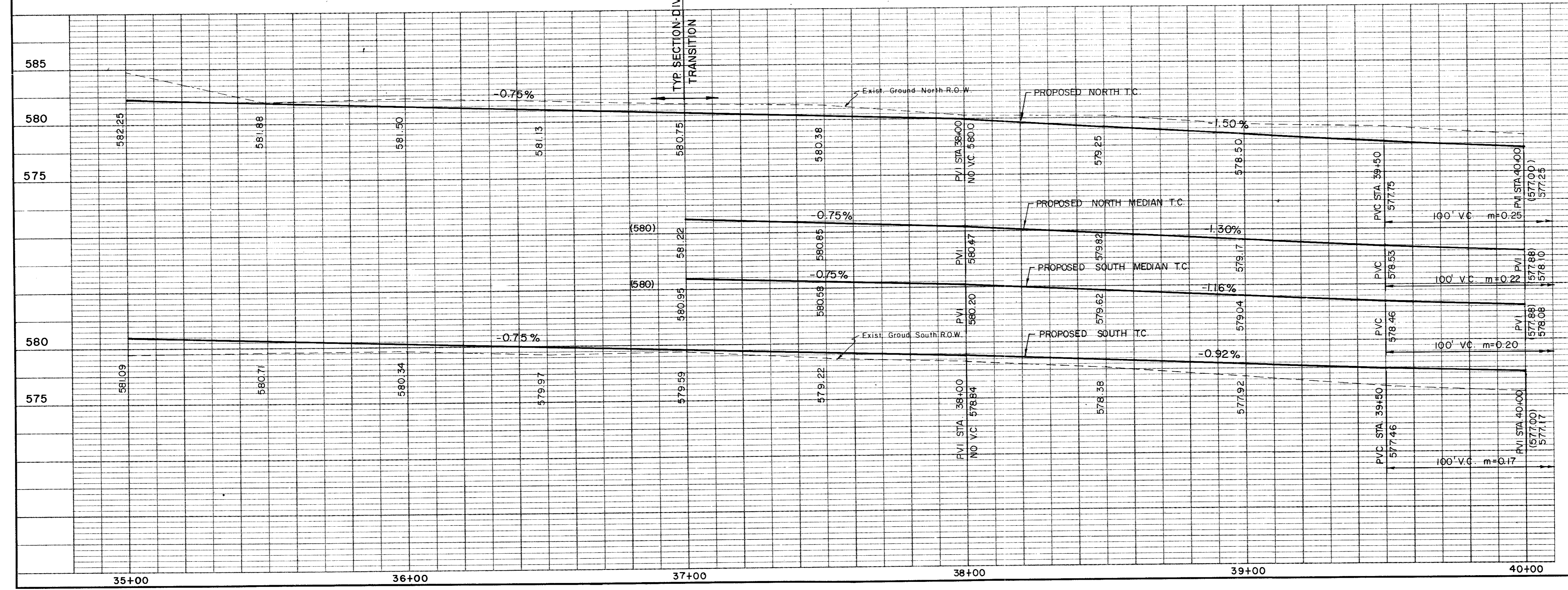


DESIGNED - GF-HJ	DRAWN - S.M.-GF	DATE -	FILE - J-178
APPROVED - H.W.G.	CHECKED - HBJ	SCALE - H=1"=20'/V=1"=5'	SHEET 10 OF

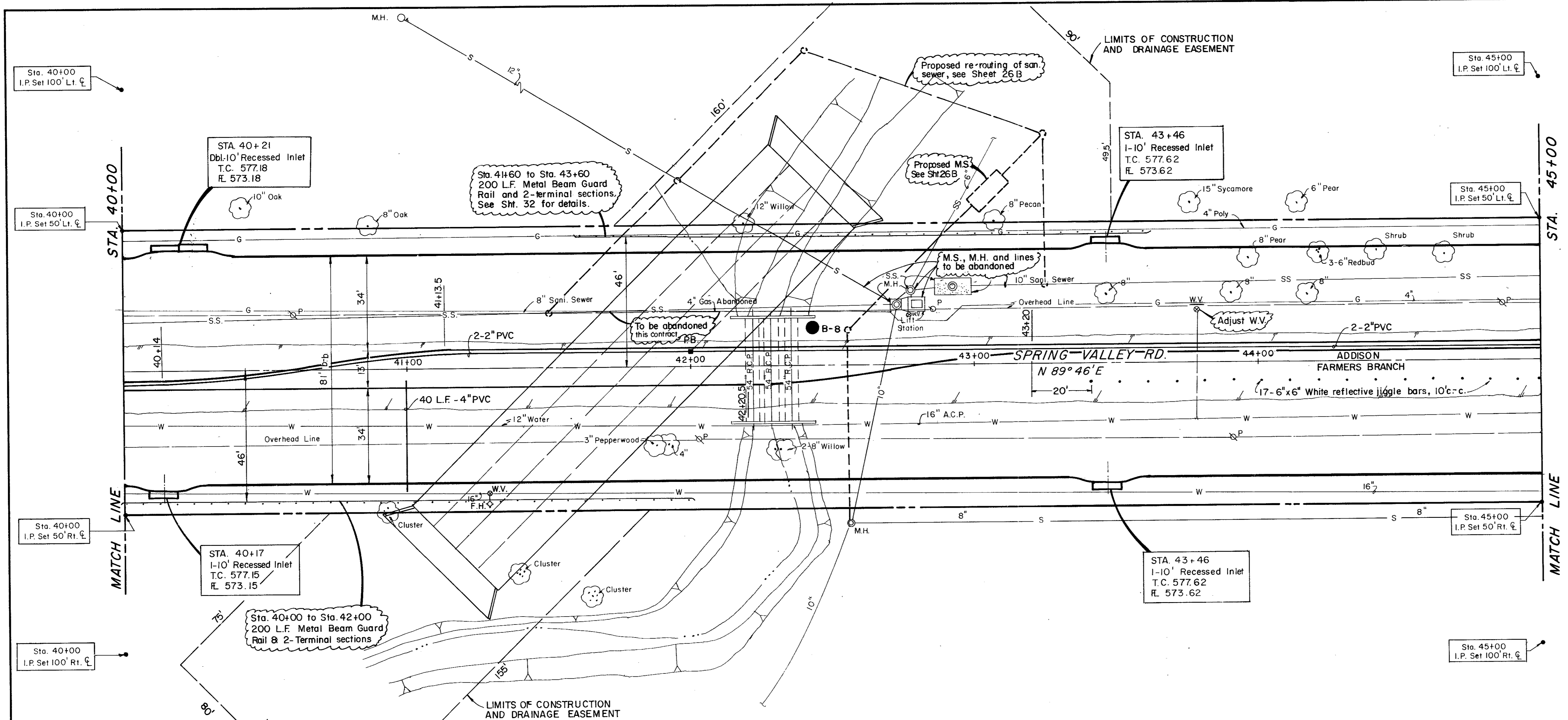
1 of 2 Gas Relocated
 NO. _____ REVISION _____ BY J.B. DATE 7/9/82
 CITY OF ADDISON
 DALLAS COUNTY, TEXAS
SPRING VALLEY ROAD
 Sta. 30+00 to Sta. 35+00
PAVING
GINN, INC.
 Consulting Engineers Dallas, Texas



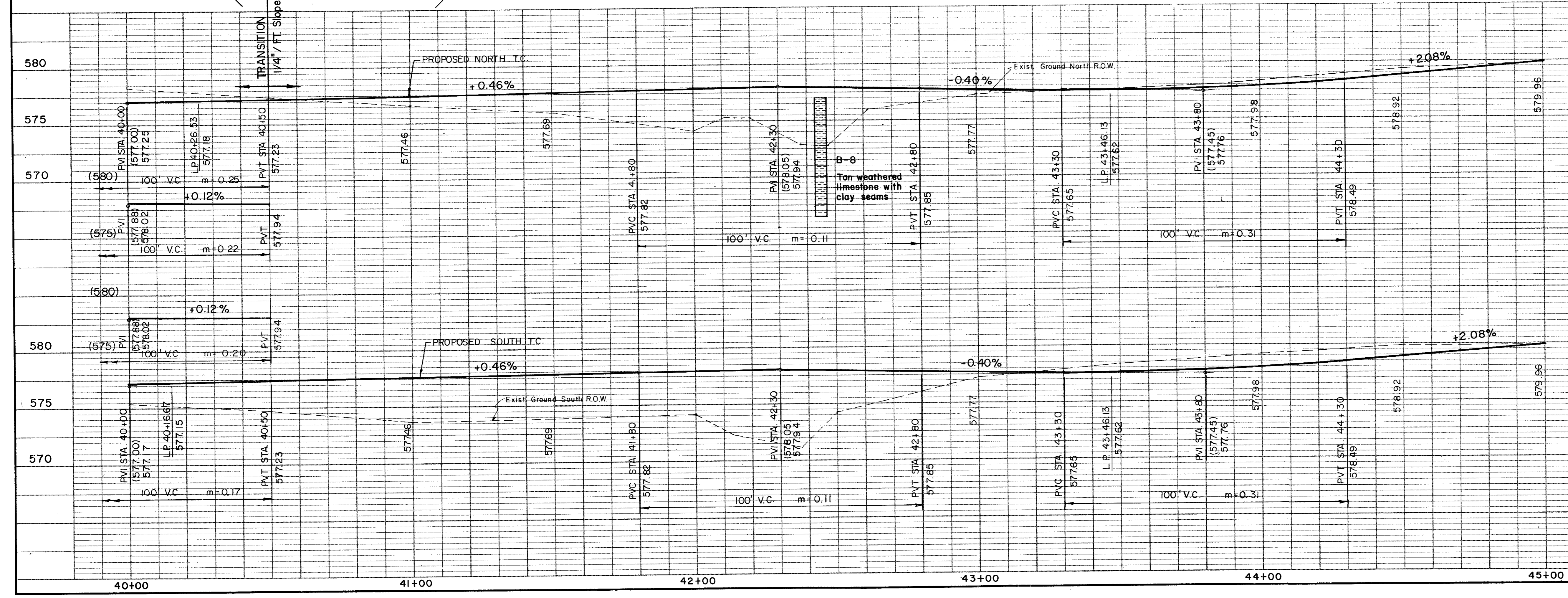
Record Set 5/9/85
 B.M.# 3 R.R. Spike On P.P., North Spring Valley Rd.
 Sta. 35+83 65' Lt. E.
 Elev. 583.50



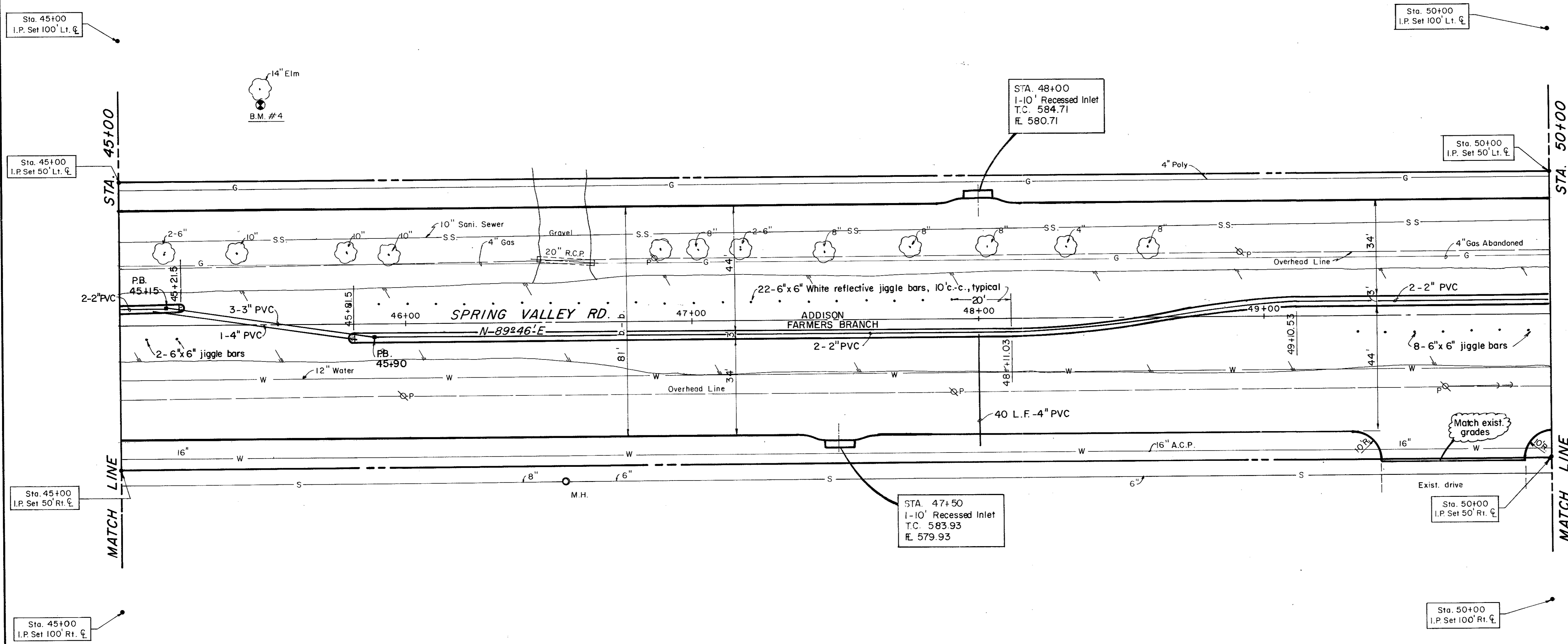
NO.	1	4" Gas Relocated	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 35+00 to Sta. 40+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas					
DESIGNED -	GF H.J.	DRAWN -	S.M. G.F.	DATE -	FILE J-178
APPROVED -	H.W.G.	CHECKED -	HBJ	SCALE - H = 1" = 20' / V = 1" = 5'	SHEET // OF



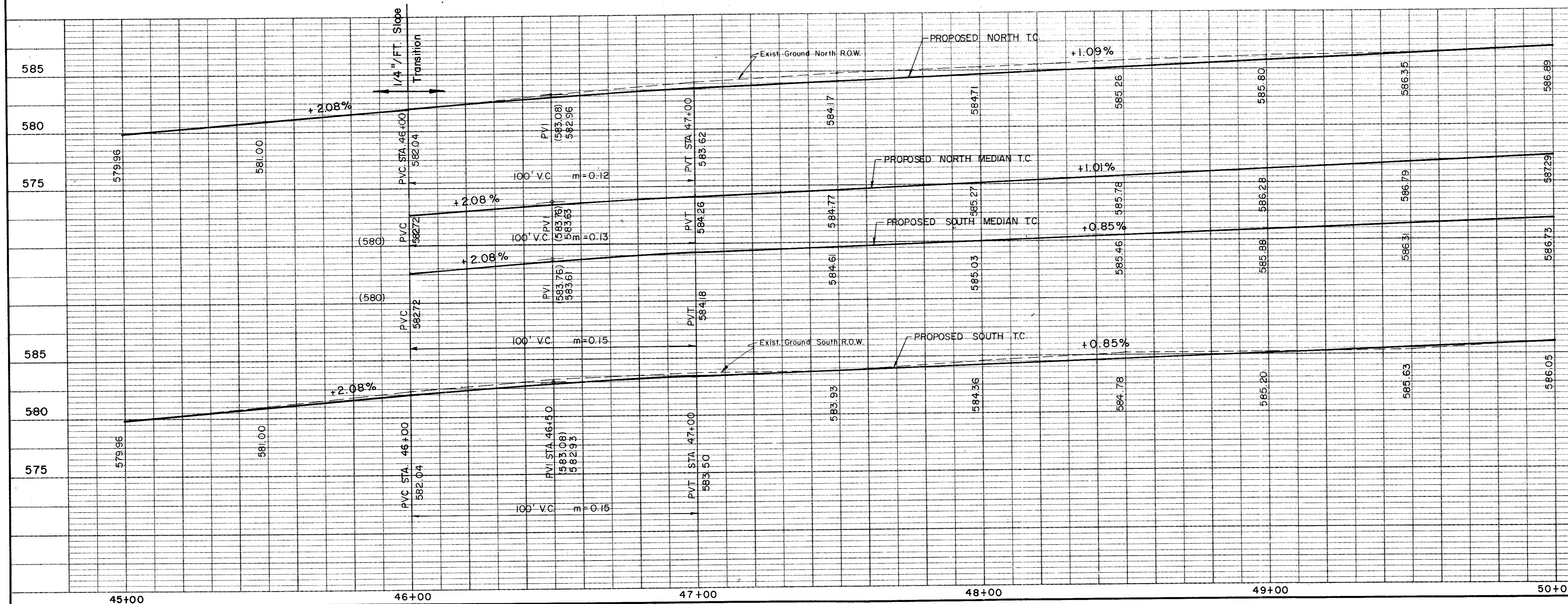
Record Set 5/9/85



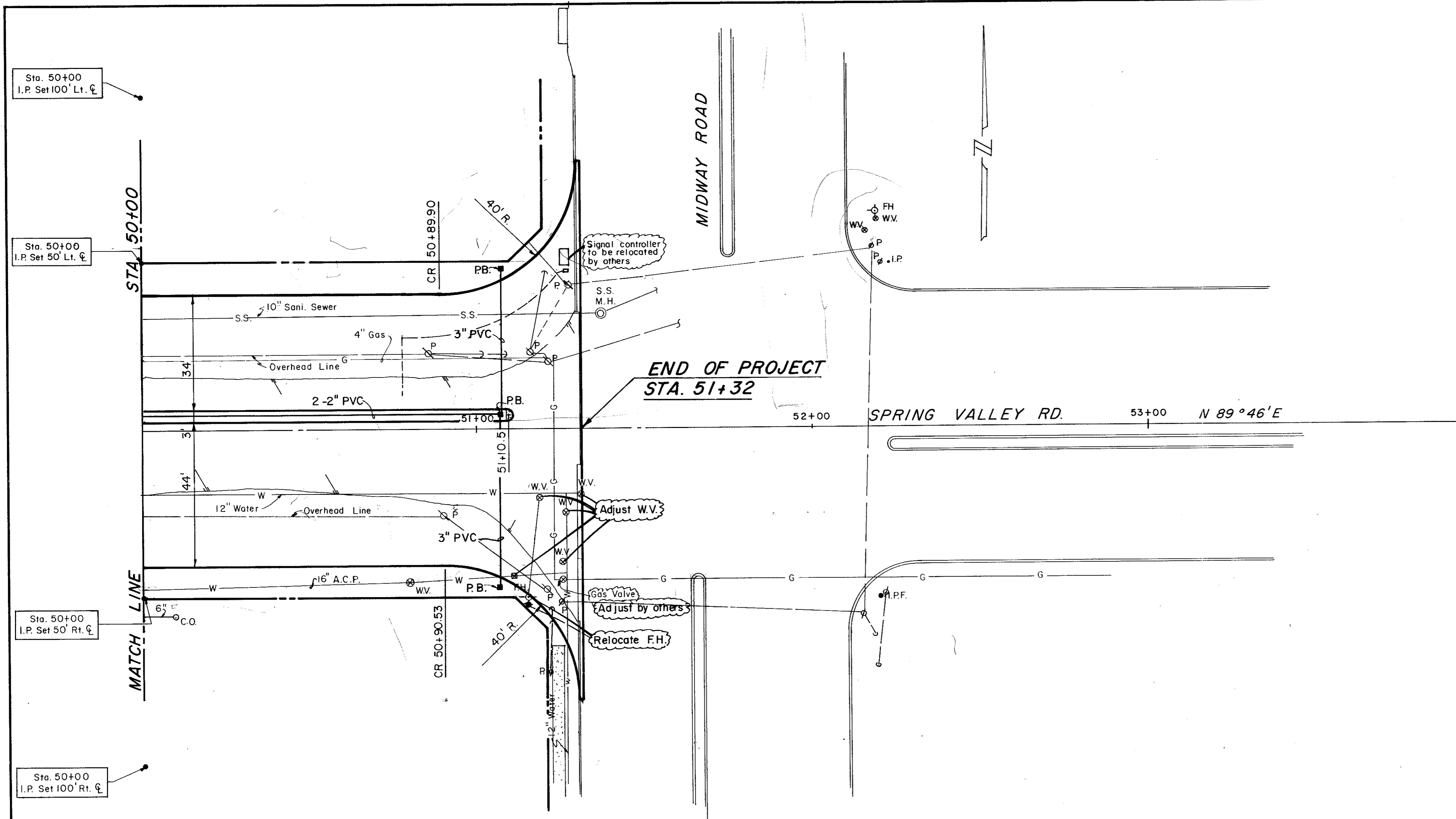
4" Gas Relocated		188	7/9/82
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 40+00 to Sta. 45+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas			
DESIGNED - G.F. HJ	DRAWN - S.M. G.F.	DATE -	FILE J-178
APPROVED - H.W.G.	CHECKED - HBJ	SCALE - H=1"=20'/V=1"=5'	SHEET 12 OF



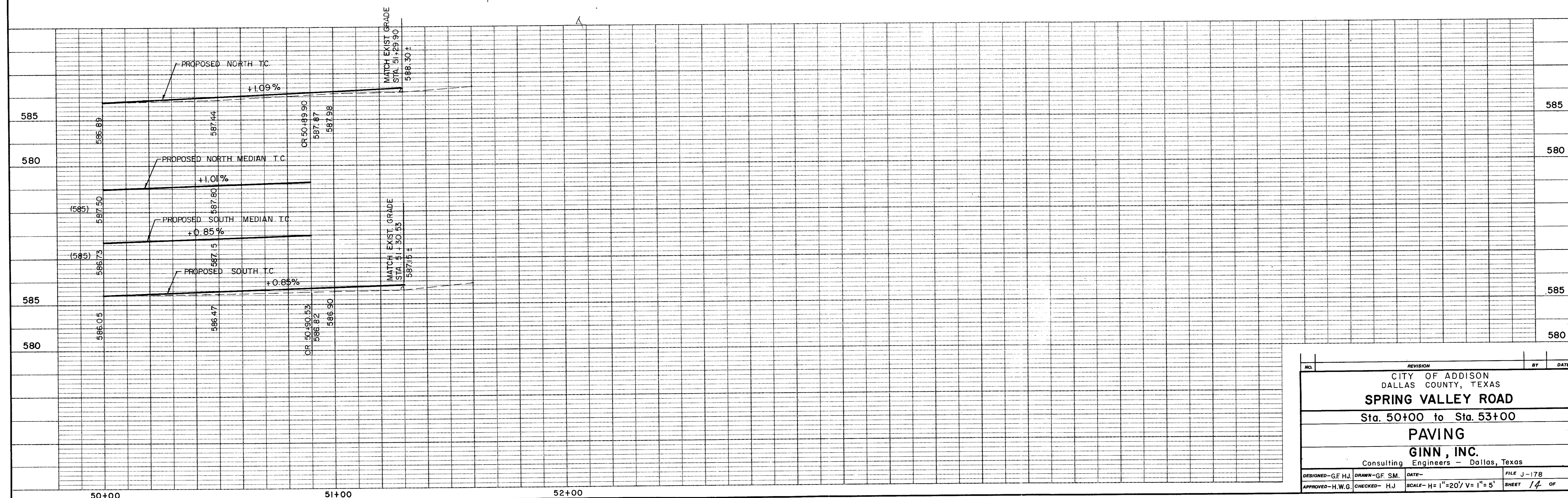
Record Set 5/9/85
 B.M. #4 R.R. Spike On 14" Elm North Spring Valley Rd.
 Sta. 45+50, 83' Lt. ϕ
 Elev. 582.38



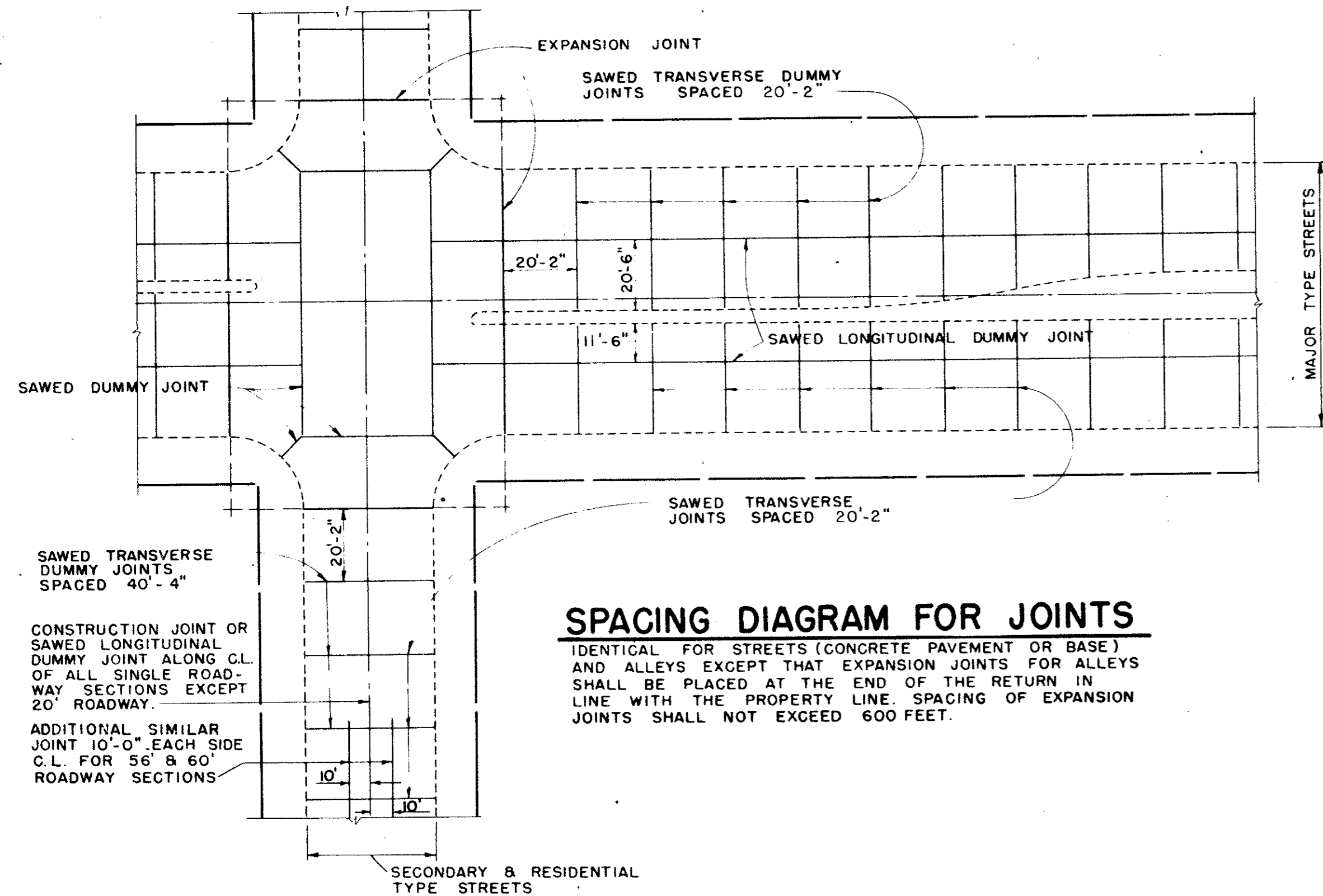
NO.	1	1" Gas Relocated	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 45+00 to Sta. 50+00 PAVING GINN, INC. Consulting Engineers Dallas, Texas					
DESIGNED-GF HJ	DRAWN-SM GF	DATE-	FILE	J-178	
APPROVED-H.W.G.	CHECKED-HJ	SCALE-H=1"=20'/V=1"=5'	SHEET	13 OF	



Record Set 5/9/85
 B.M. #5 On Conc. Greenhill School Brick Sign Foundation, S.W. Corner.
 Elev. 588.18



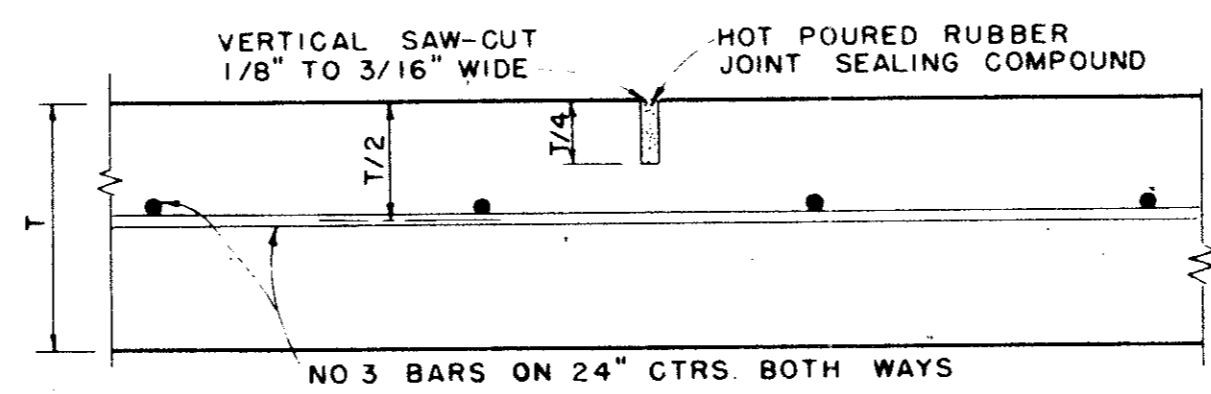
NO.	REVISION	BY	DATE
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD Sta. 50+00 to Sta. 53+00 PAVING GINN, INC. Consulting Engineers - Dallas, Texas			
DESIGNED-G.F.H.J.	DRAWN-G.F.S.M.	DATE-	FILE J-178
APPROVED-H.W.G.	CHECKED-H.J.	SCALE-H=1"=20' V=1"=5'	SHEET 14 OF



SPACING DIAGRAM FOR JOINTS

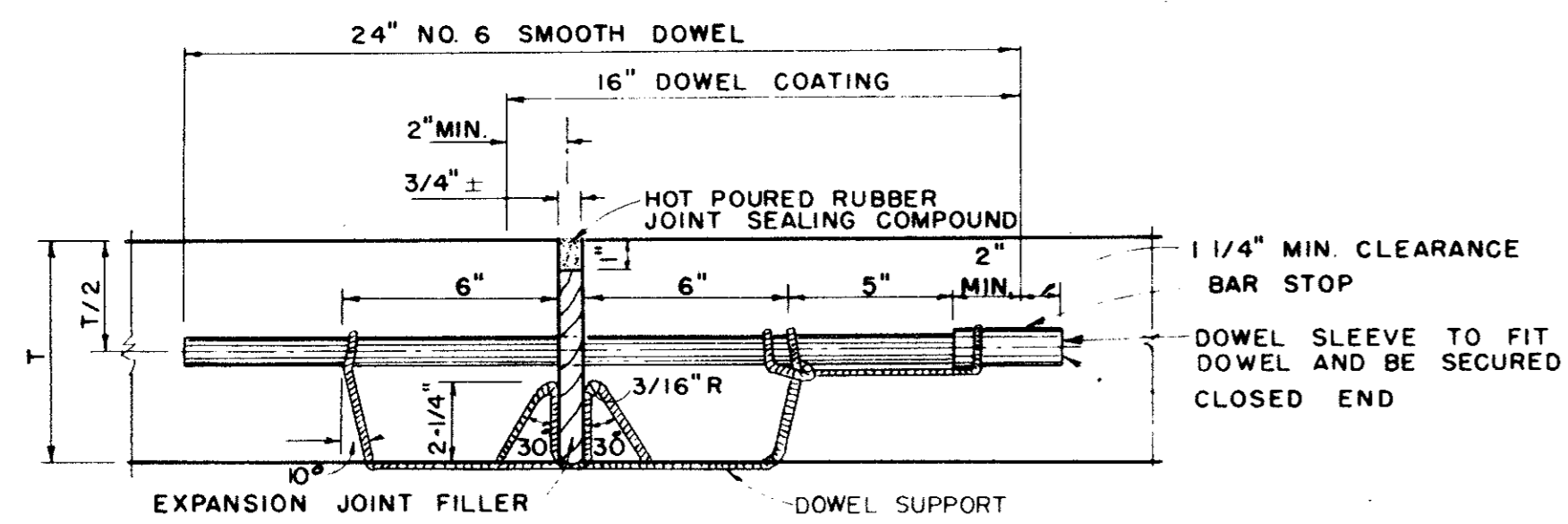
IDENTICAL FOR STREETS (CONCRETE PAVEMENT OR BASE) AND ALLEYS EXCEPT THAT EXPANSION JOINTS FOR ALLEYS SHALL BE PLACED AT THE END OF THE RETURN IN LINE WITH THE PROPERTY LINE. SPACING OF EXPANSION JOINTS SHALL NOT EXCEED 600 FEET.

SAWED TRANSVERSE DUMMY JOINTS SPACED 40'-4"
CONSTRUCTION JOINT OR SAWED LONGITUDINAL DUMMY JOINT ALONG C.L. OF ALL SINGLE ROADWAY SECTIONS EXCEPT 20' ROADWAY.
ADDITIONAL SIMILAR JOINT 10'-0" EACH SIDE C.L. FOR 56' & 60' ROADWAY SECTIONS

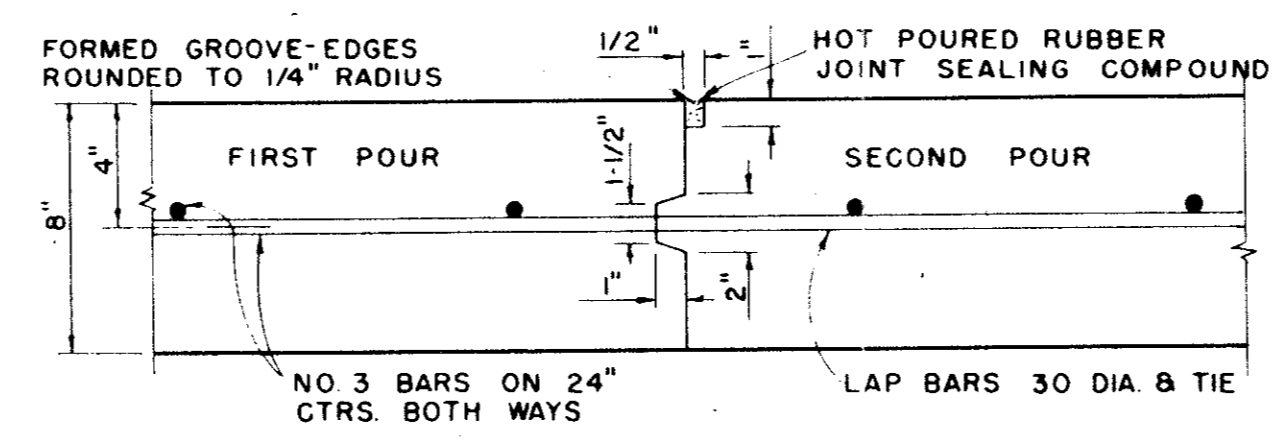


SAWED DUMMY JOINT

IDENTICAL FOR STREETS AND ALLEYS EXCEPT ALLEY LONGITUDINAL REINFORCEMENT BARS

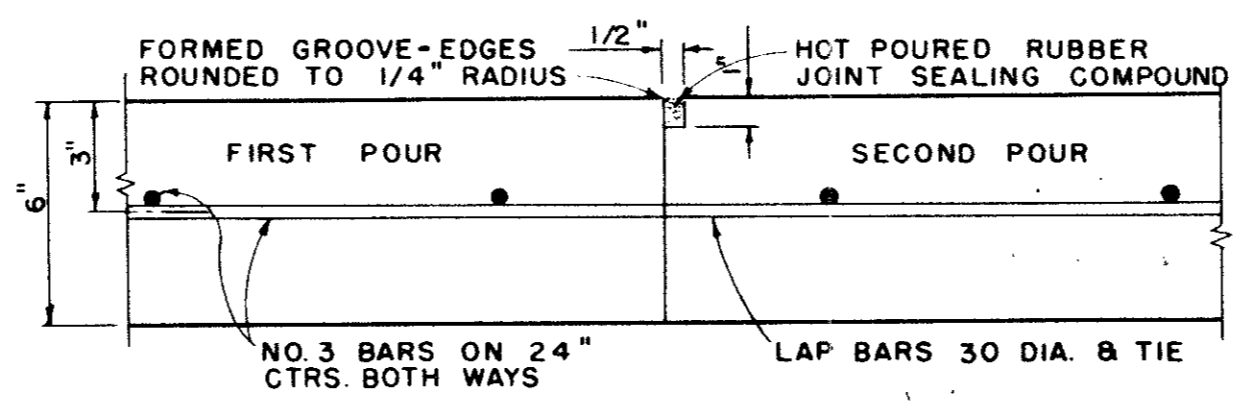


TRANSVERSE EXPANSION JOINT
IDENTICAL FOR STREETS & ALLEYS



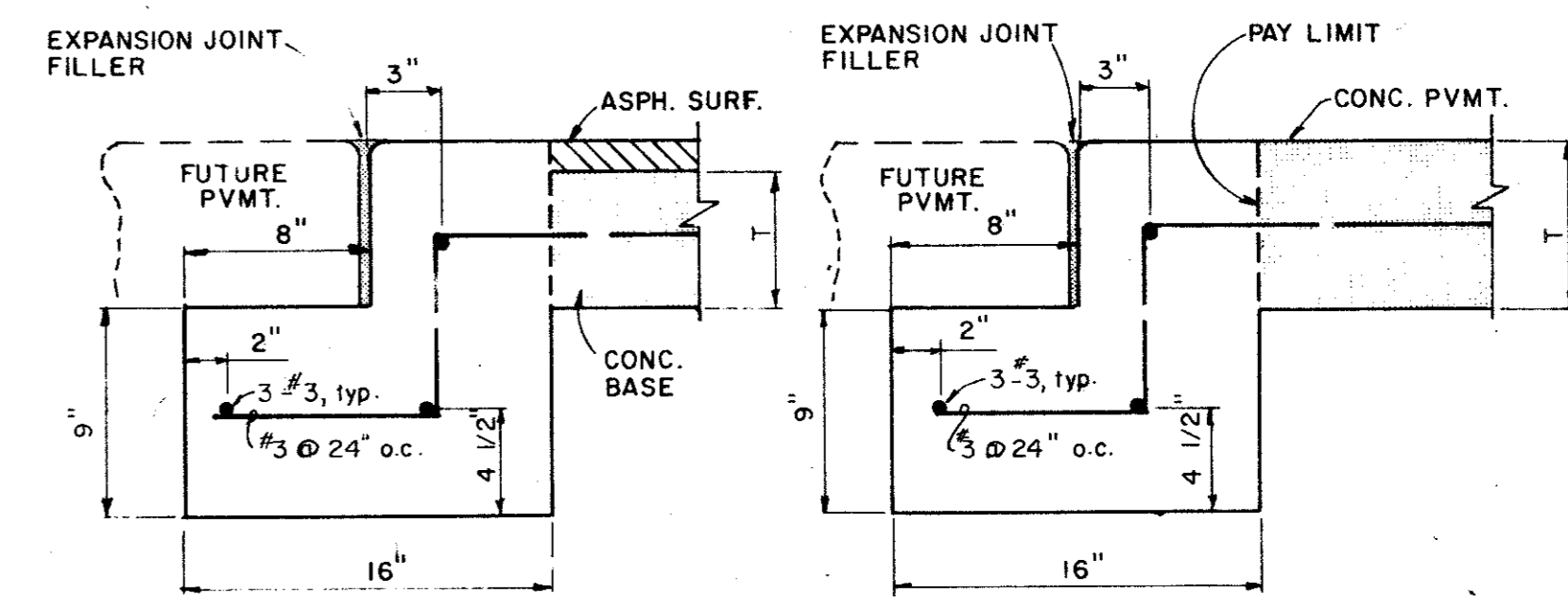
CONSTRUCTION JOINT

FOR 8" THICKNESS PAVEMENT OR BASE



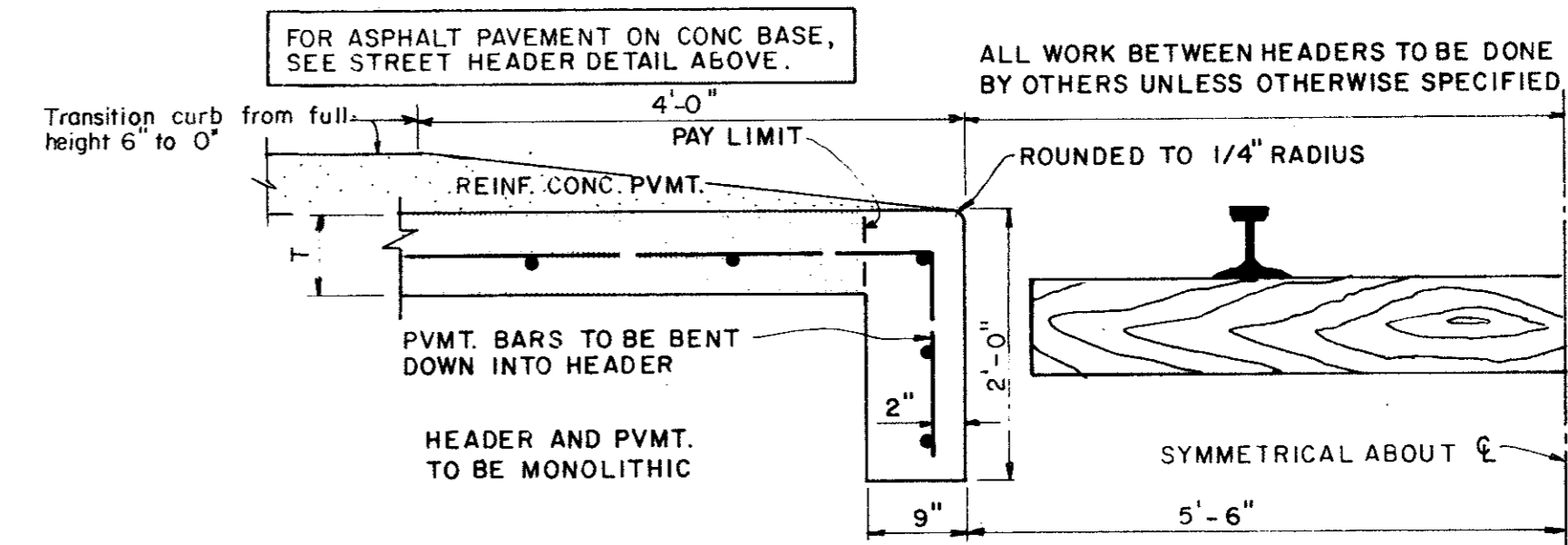
CONSTRUCTION JOINT

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



STREET HEADER

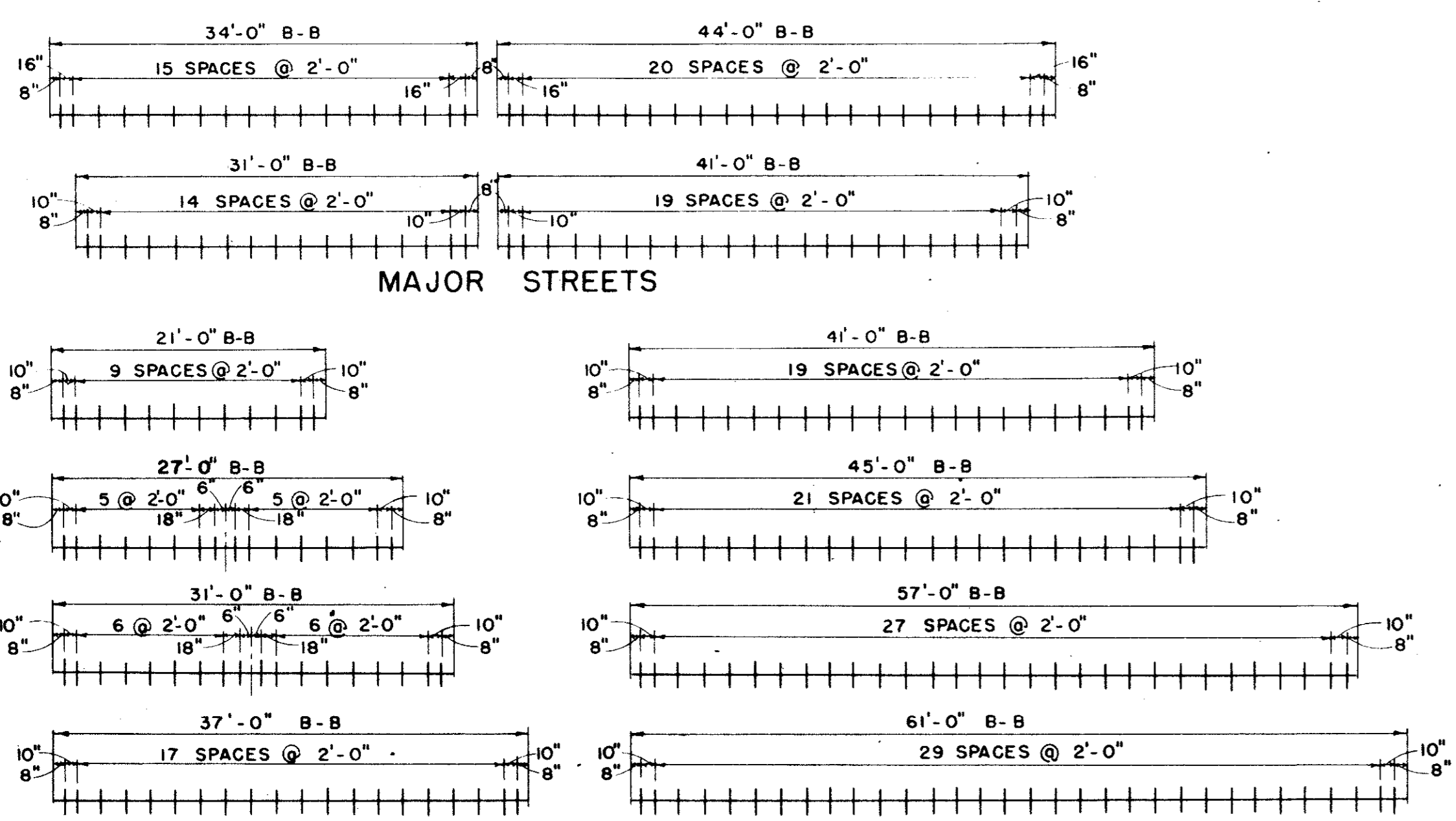
PAVEMENT BARS TO BE BENT DOWN INTO HEADER. HEADER AND PAVEMENT TO BE MONOLITHIC.



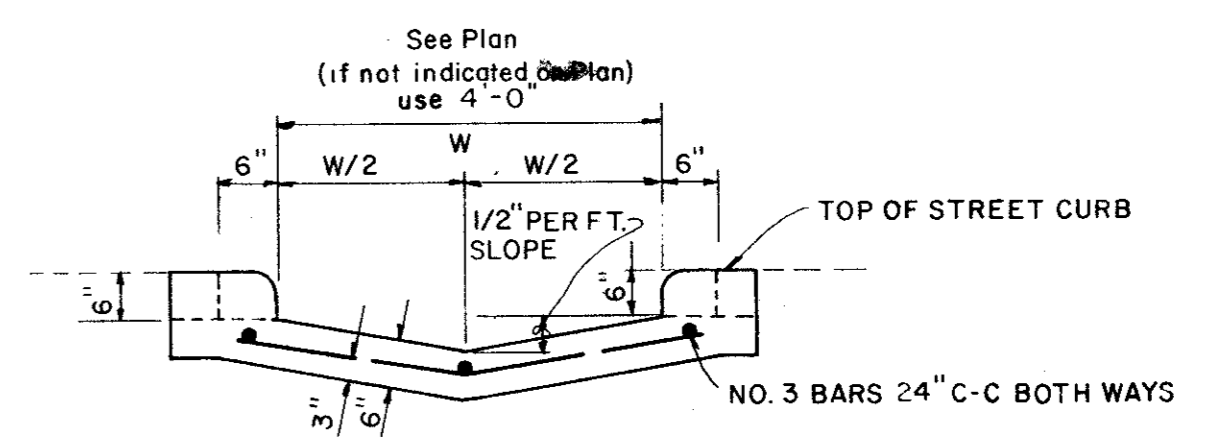
RAILROAD HEADER

FOR ASPHALT PAVEMENT ON CONC. BASE, SEE STREET HEADER DETAIL ABOVE.

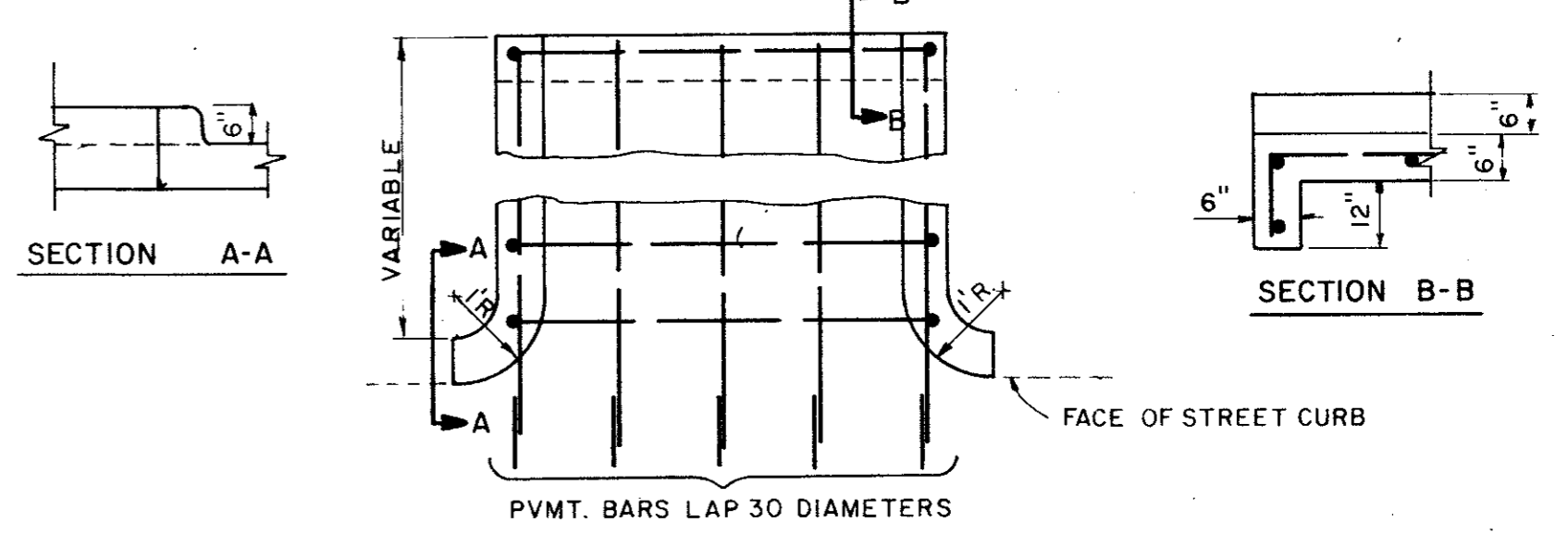
ALL WORK BETWEEN HEADERS TO BE DONE BY OTHERS UNLESS OTHERWISE SPECIFIED.



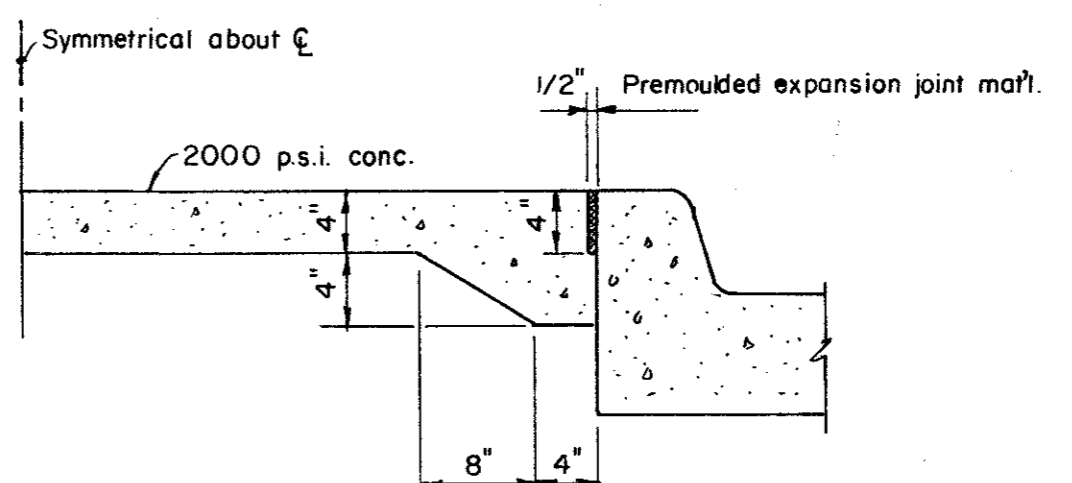
SPACING DIAGRAM FOR DOWELS AT EXPANSION JOINTS



SECTION AT CURB FACE



FLUME



NON-REINFORCED MEDIAN PAVEMENT

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

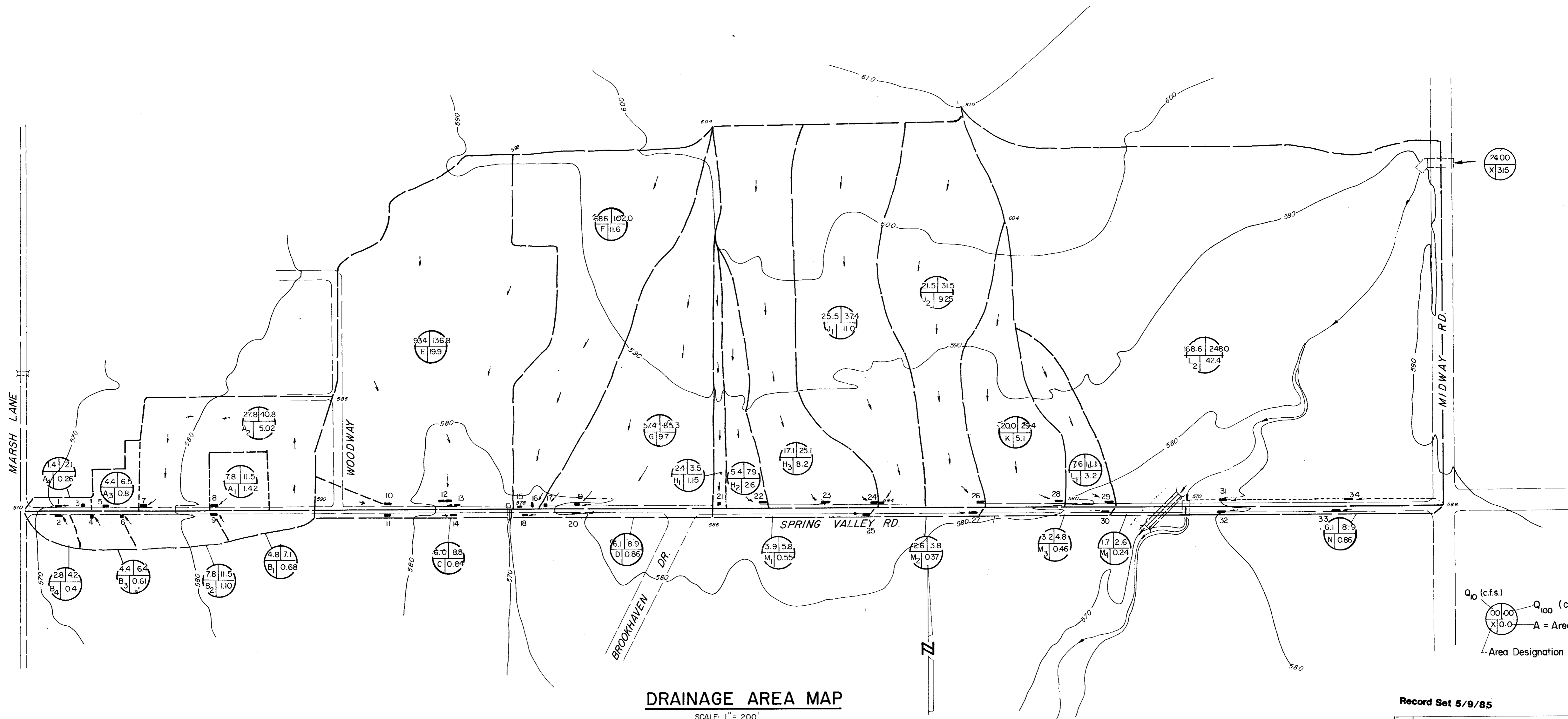
Record Set 5/9/85

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

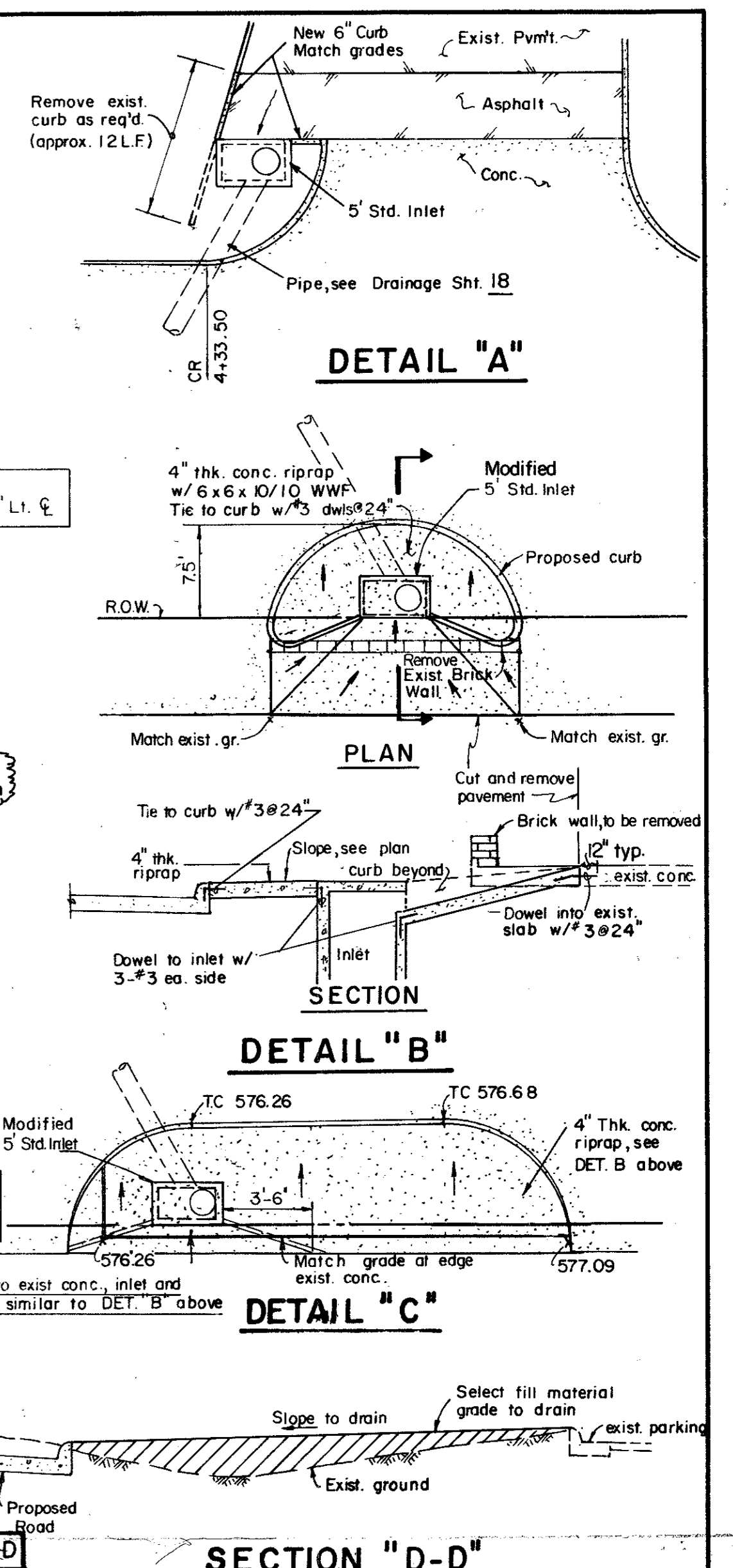
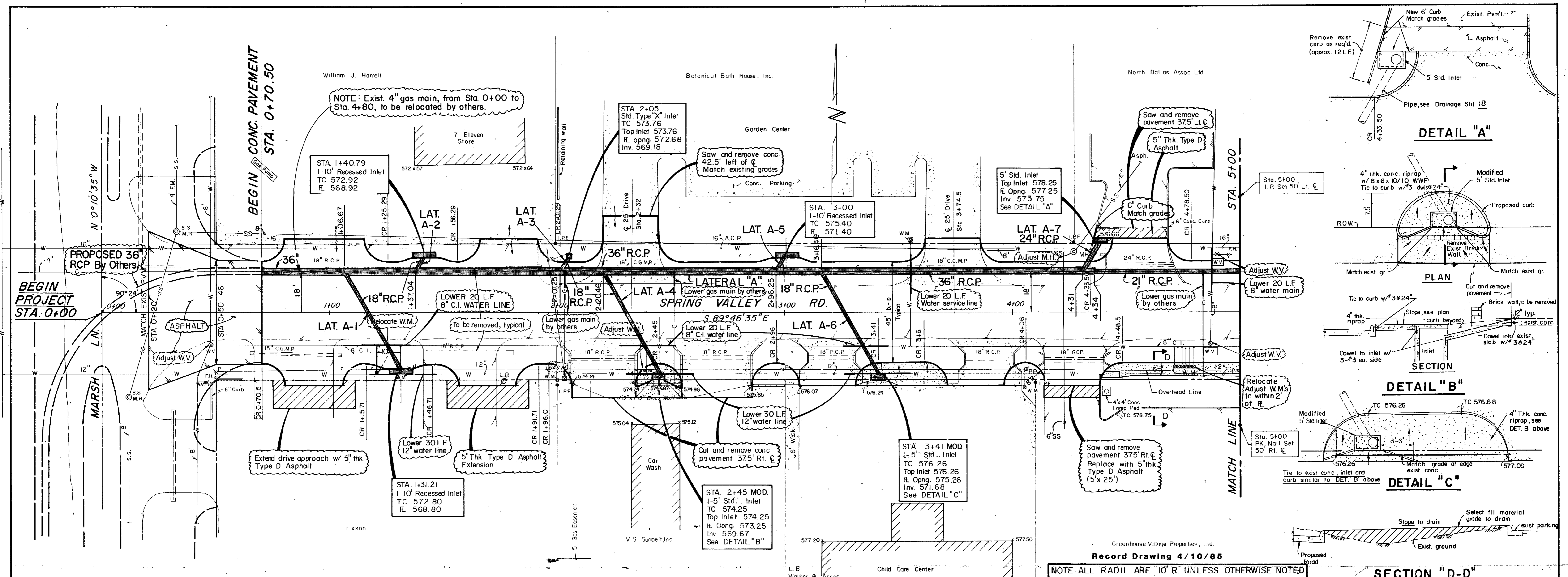


DRAINAGE AREA MAP
SCALE: 1" = 200'

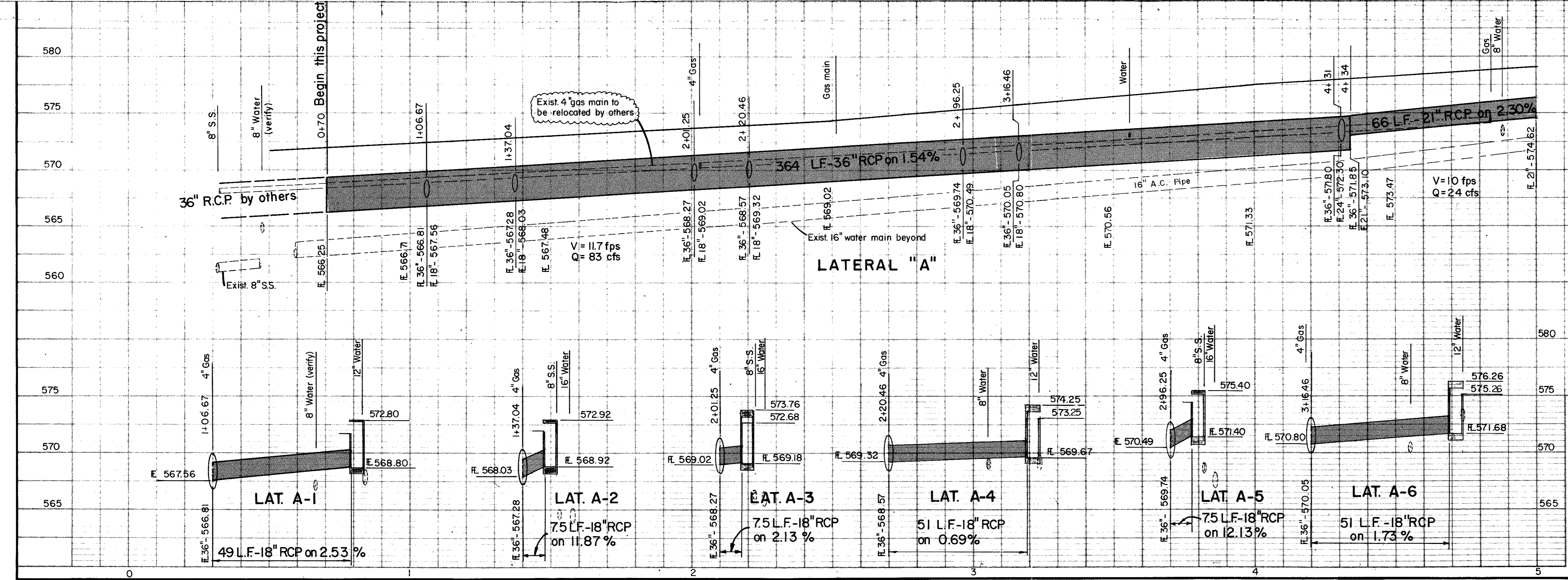
Q₁₀ (c.f.s.)
Q₁₀₀ (c.f.s.)
A = Area (acres)
Area Designation

Record Set 5/9/85

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

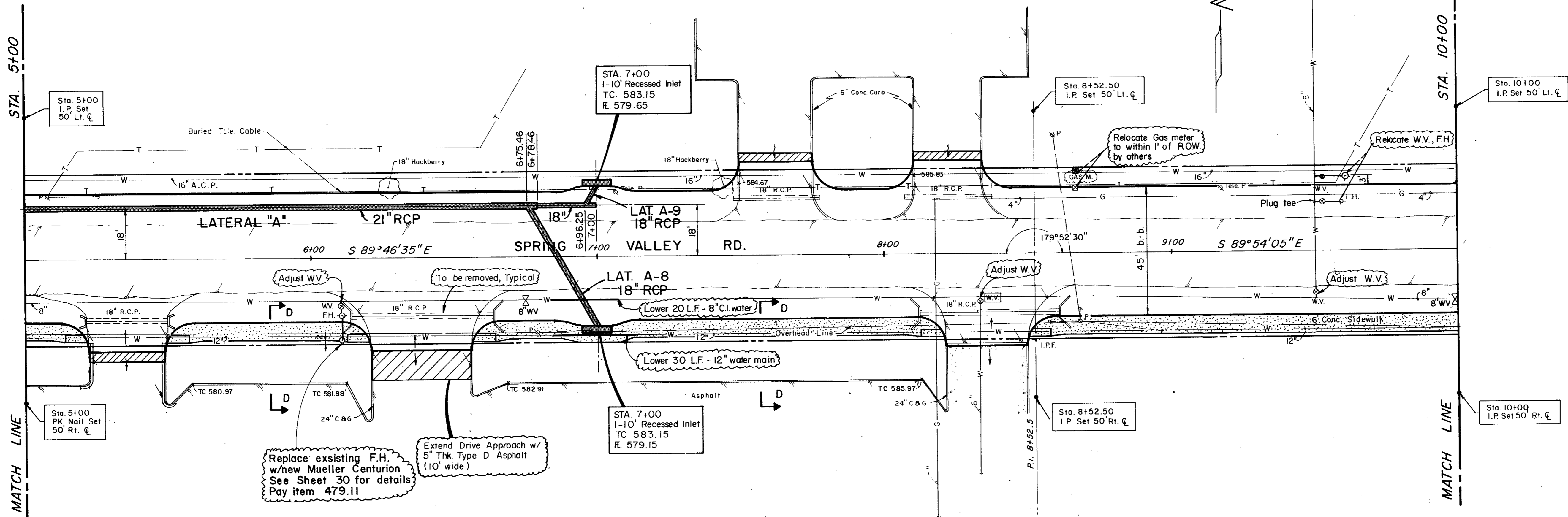


Record Drawing 4/10/85
 NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED



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



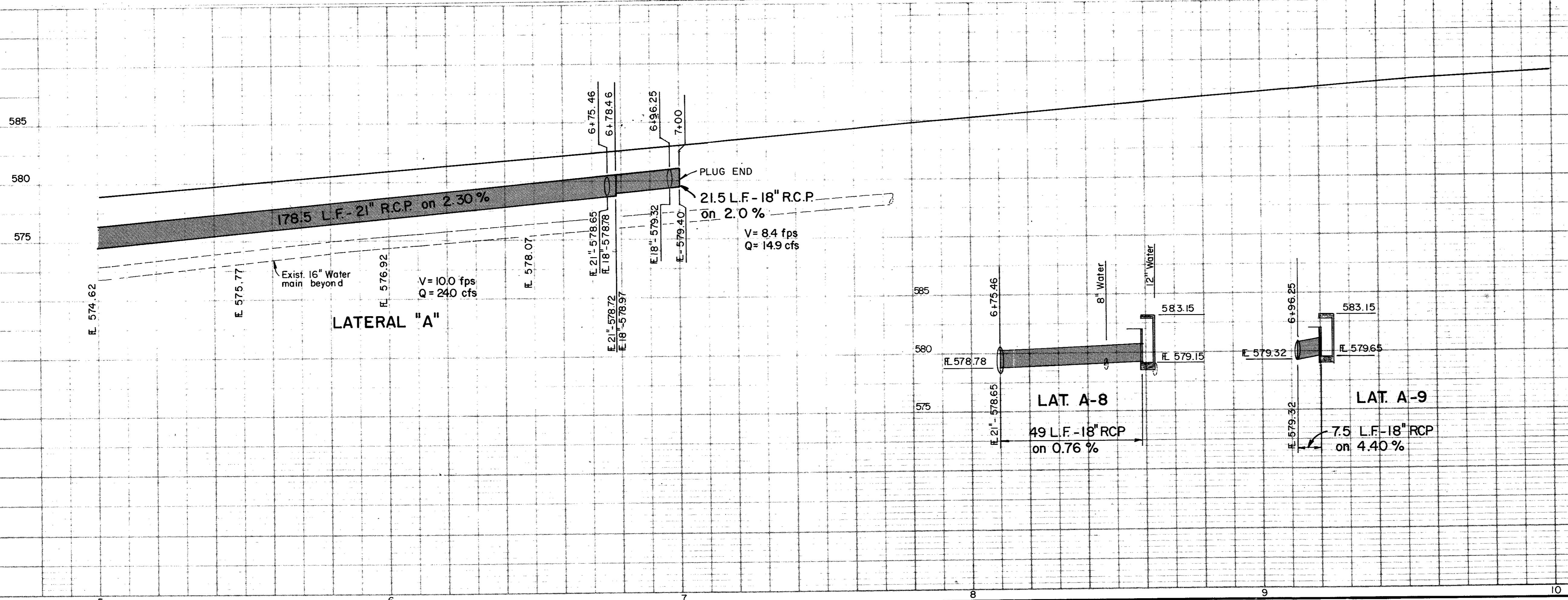
Greenhouse Village Properties, Ltd

Elvin Levenson

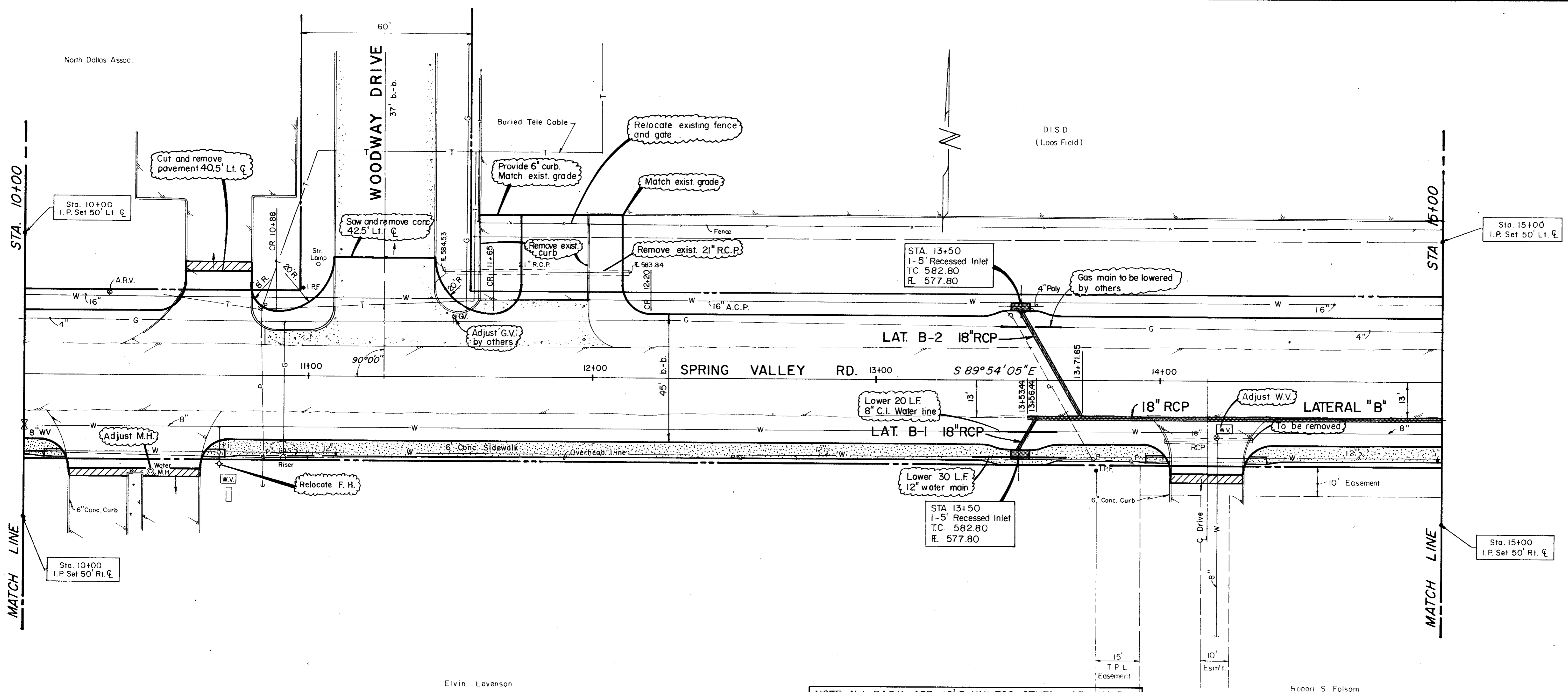
Record Drawing 4/10/85

FOR SECTION D-D, SEE SHT. 4

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



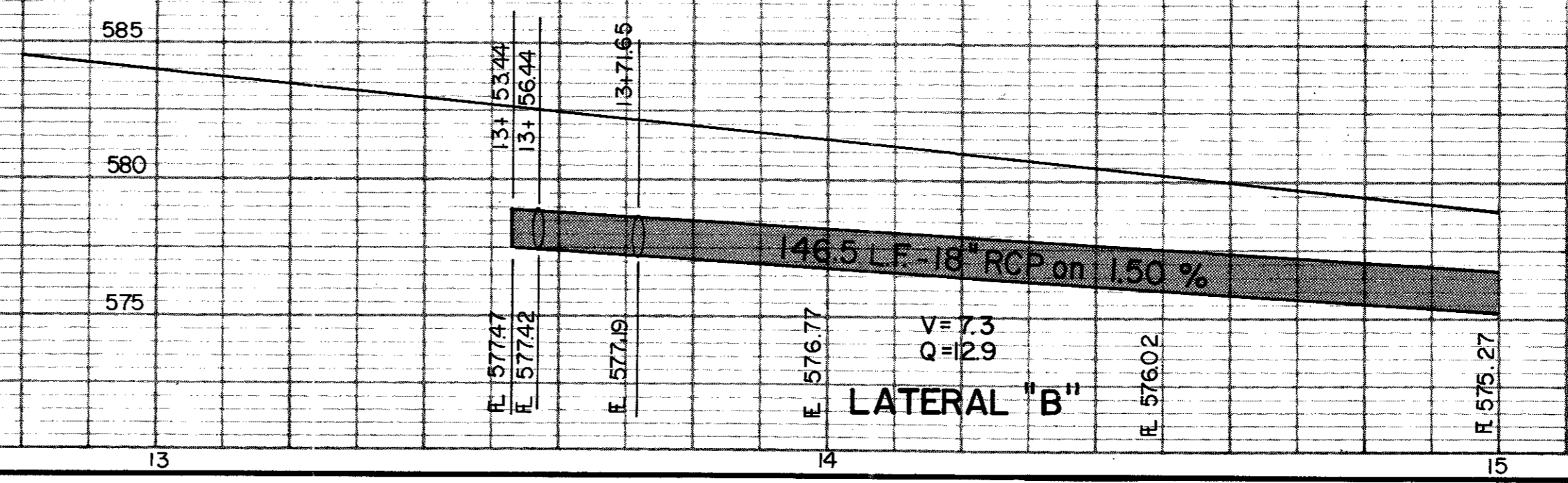
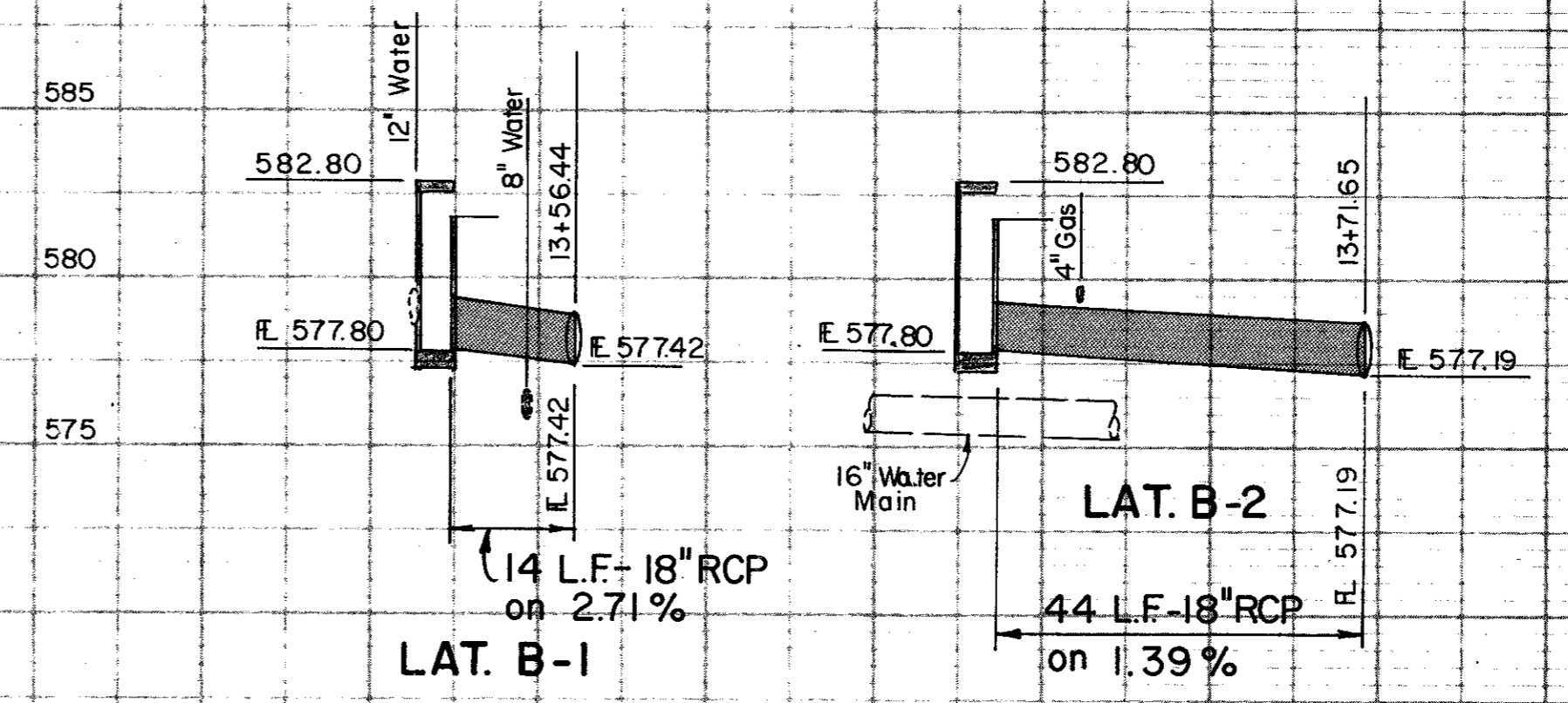
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 5+00 to STA. 10+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 19 of



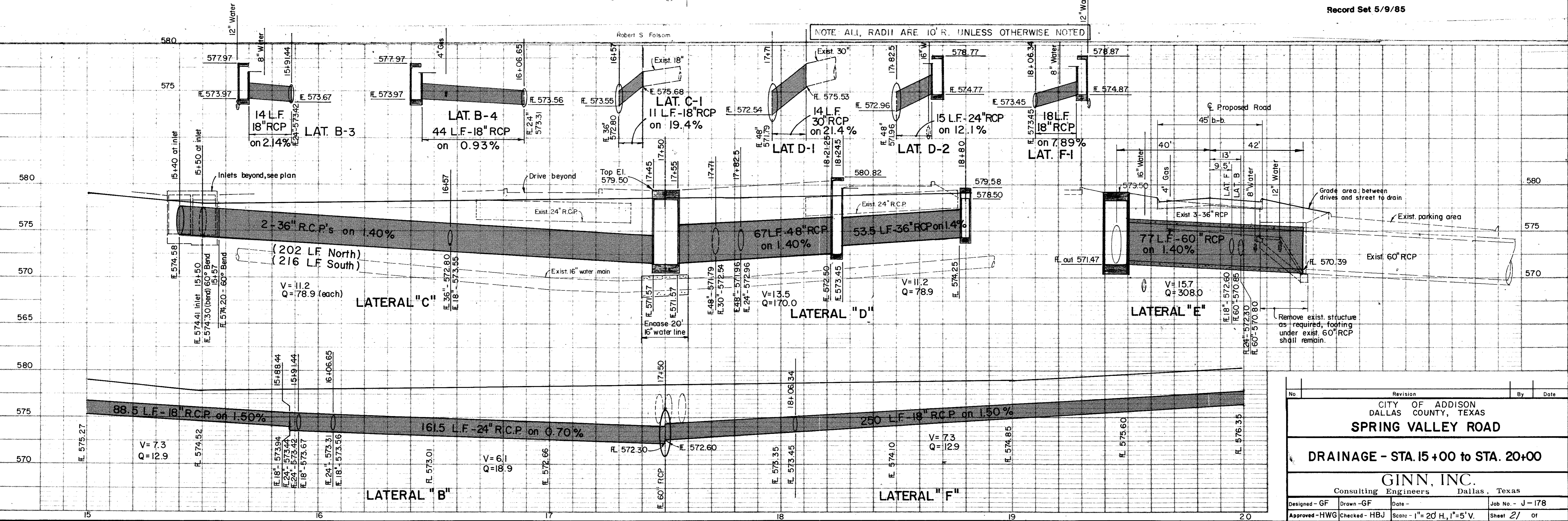
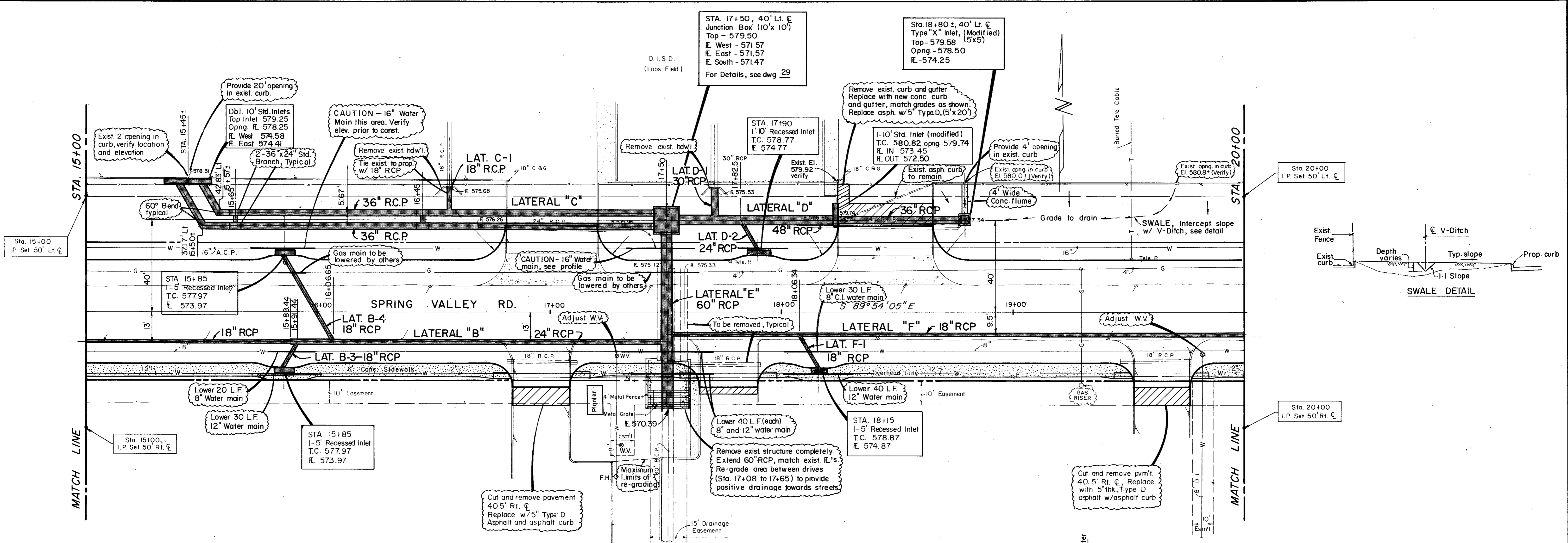
NOTE: ALL RADII ARE 10' R. UNLESS OTHERWISE NOTED

Robert S. Folsom

Record Drawing 4/10/85

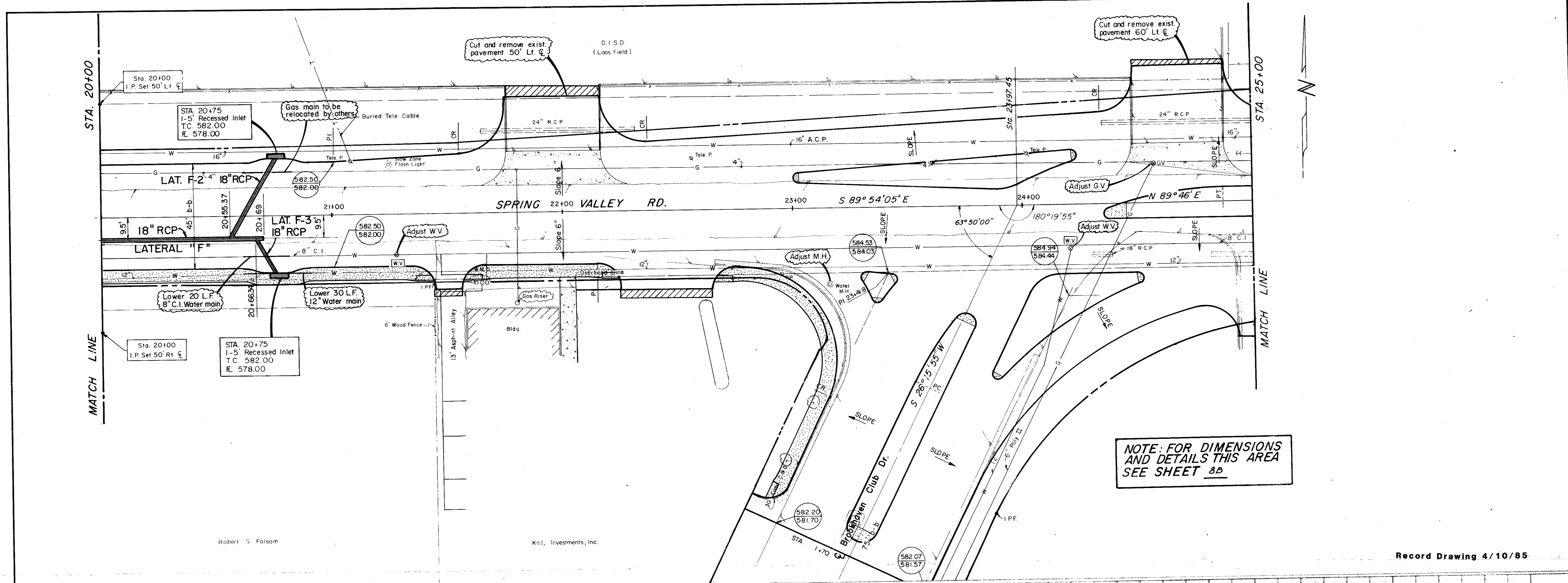


No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD DRAINAGE - STA. 10+00 to STA. 15+00 GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 20 of



Record Set 5/9/85

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 21 of

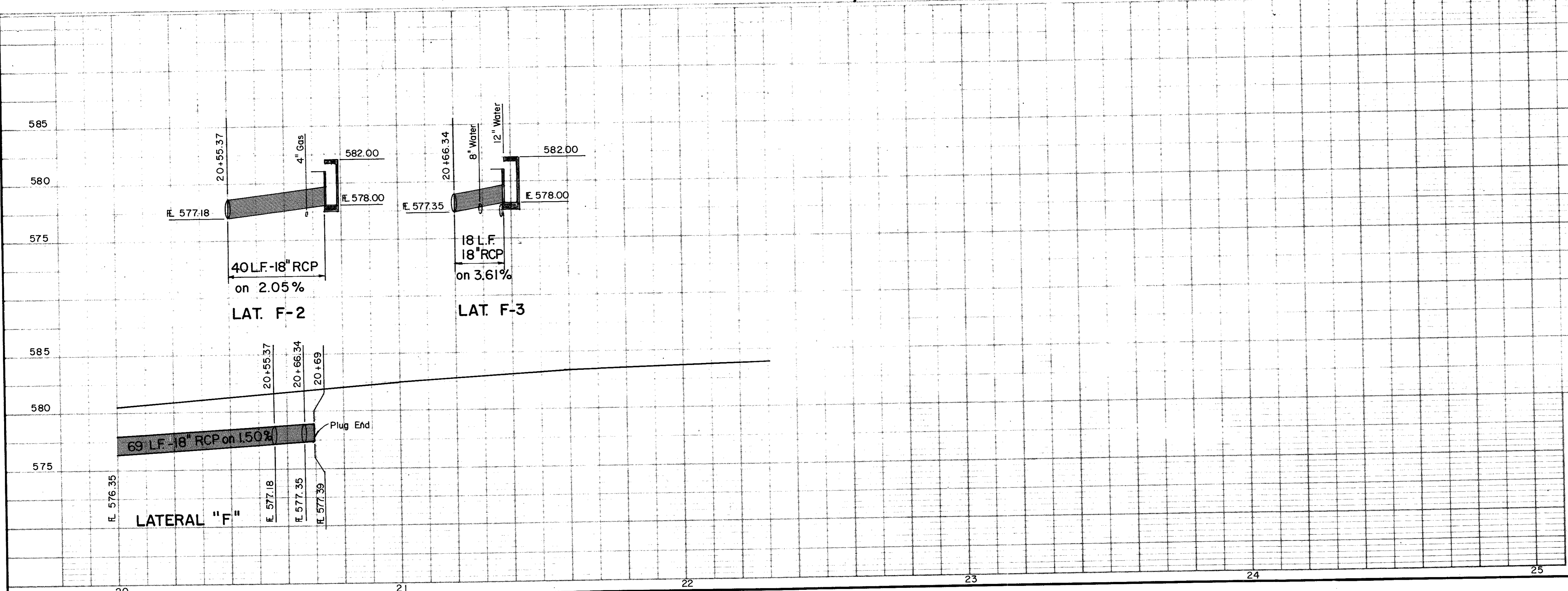


NOTE: FOR DIMENSIONS AND DETAILS THIS AREA SEE SHEET 8B

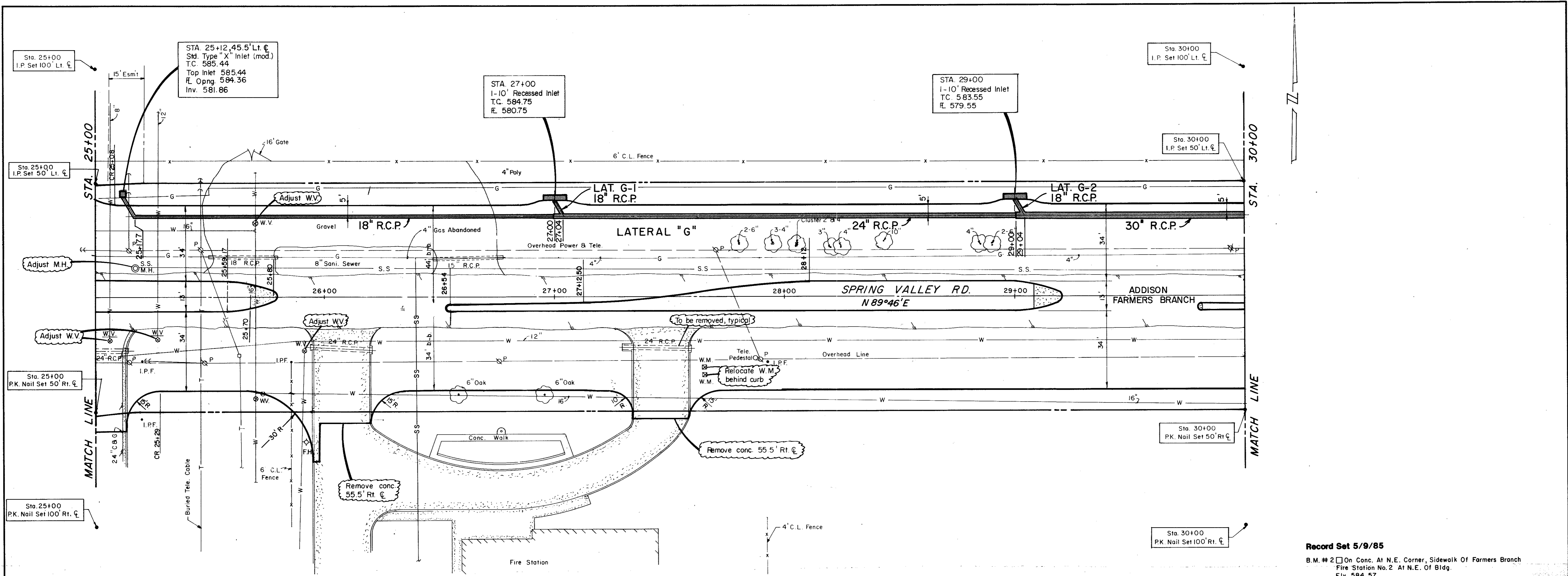
Robert S. Folsom

Kel, Investments, Inc.

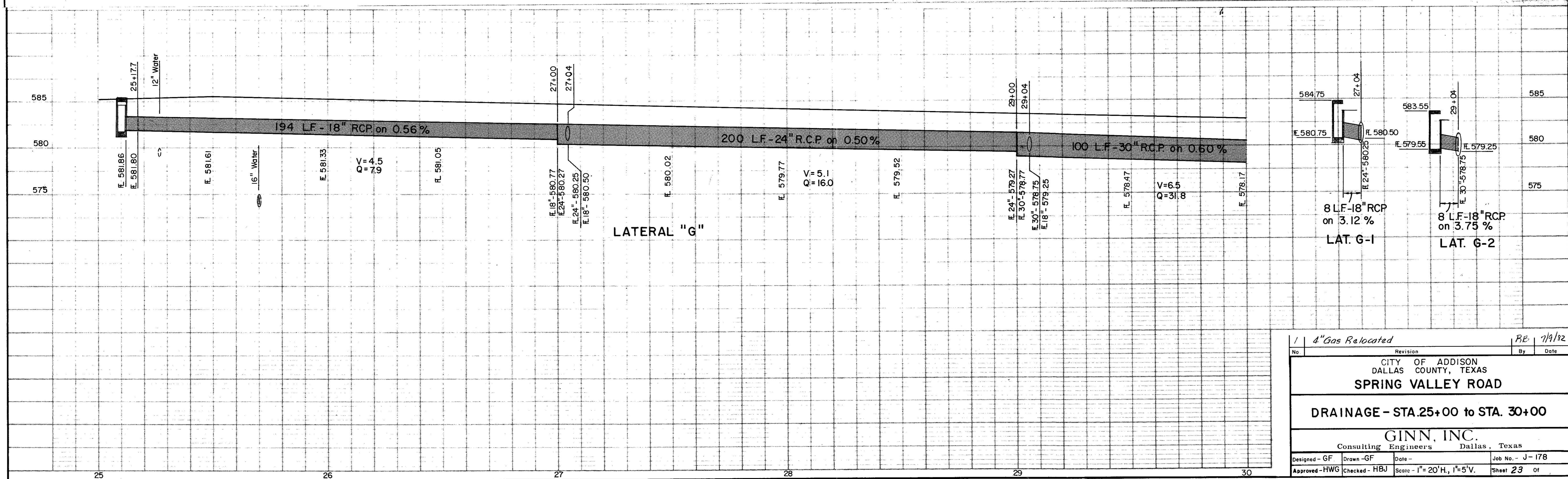
Record Drawing 4/10/85



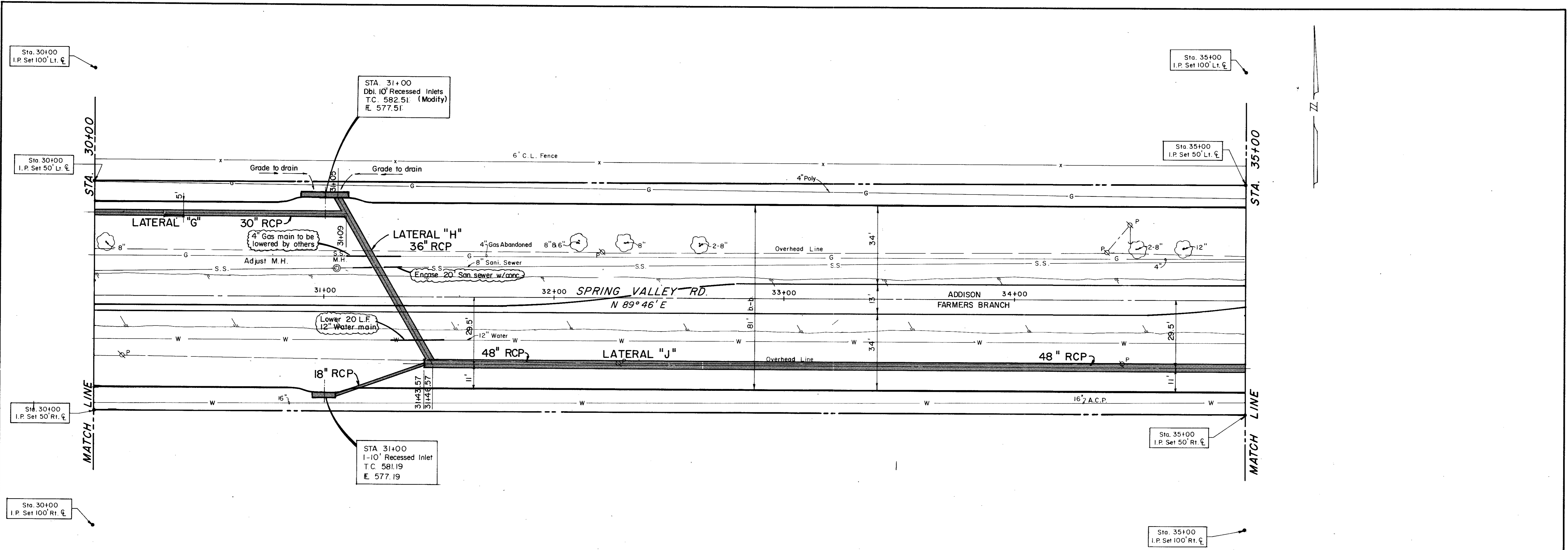
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD			
DRAINAGE - STA. 20+00 to STA. 25+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1"=20'H, 1"=5'V.	Sheet 22 of



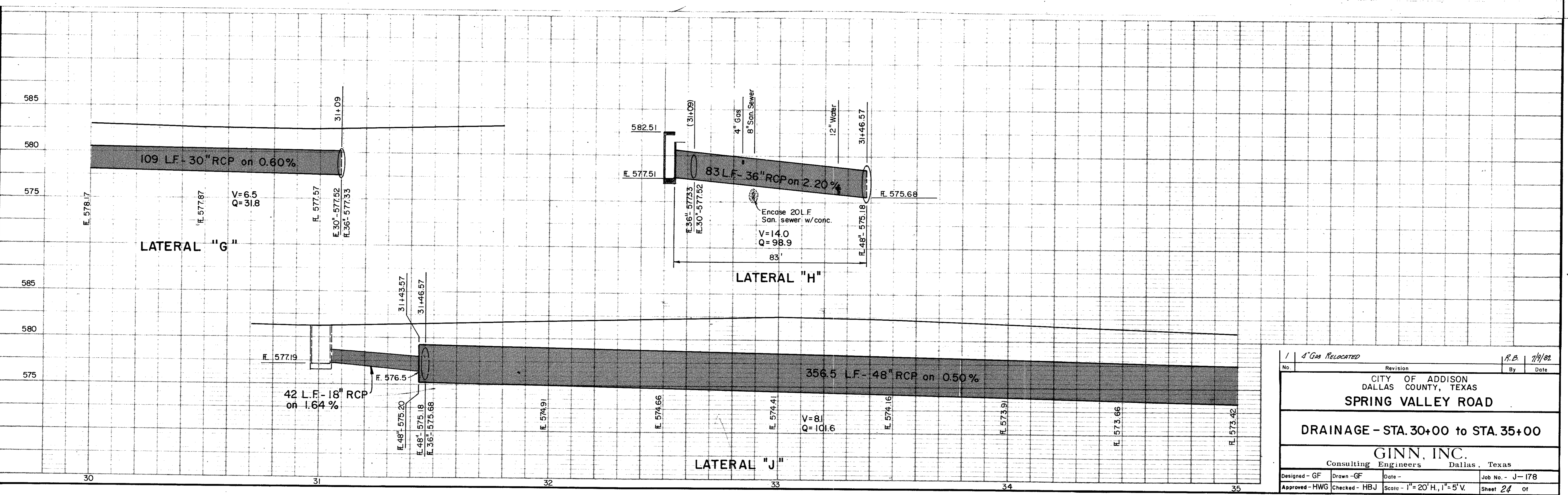
Record Set 5/9/85
 B.M. # 2 On Conc. At N.E. Corner, Sidewalk Of Farmers Branch
 Fire Station No. 2 At N.E. Of Bldg.
 Elev. 584.57



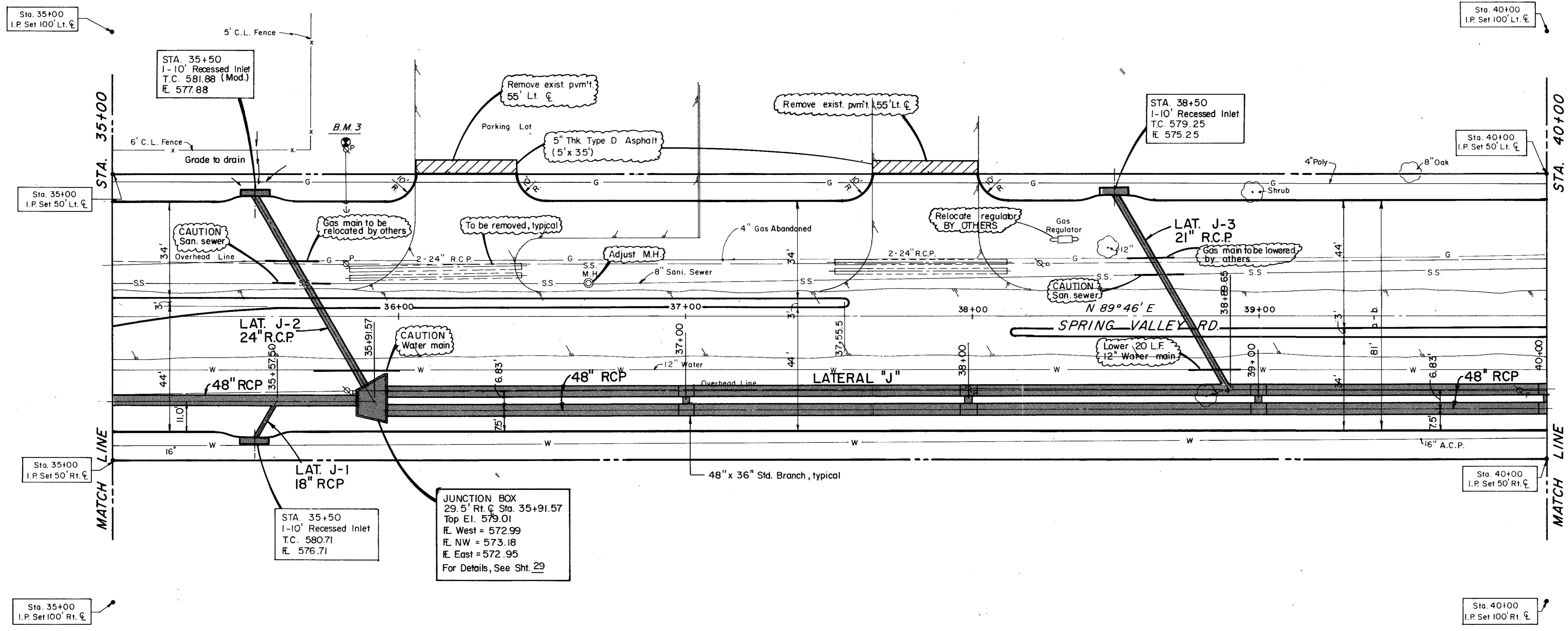
1		4" Gas Relocated		RE	7/9/82
No.	Revision	By	Date		
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD					
DRAINAGE - STA. 25+00 to STA. 30+00					
GINN, INC. Consulting Engineers Dallas, Texas					
Designed - GF	Drawn - GF	Date -	Job No. - J-178		
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H., 1" = 5' V.	Sheet 23	of	



Record Set 5/9/85

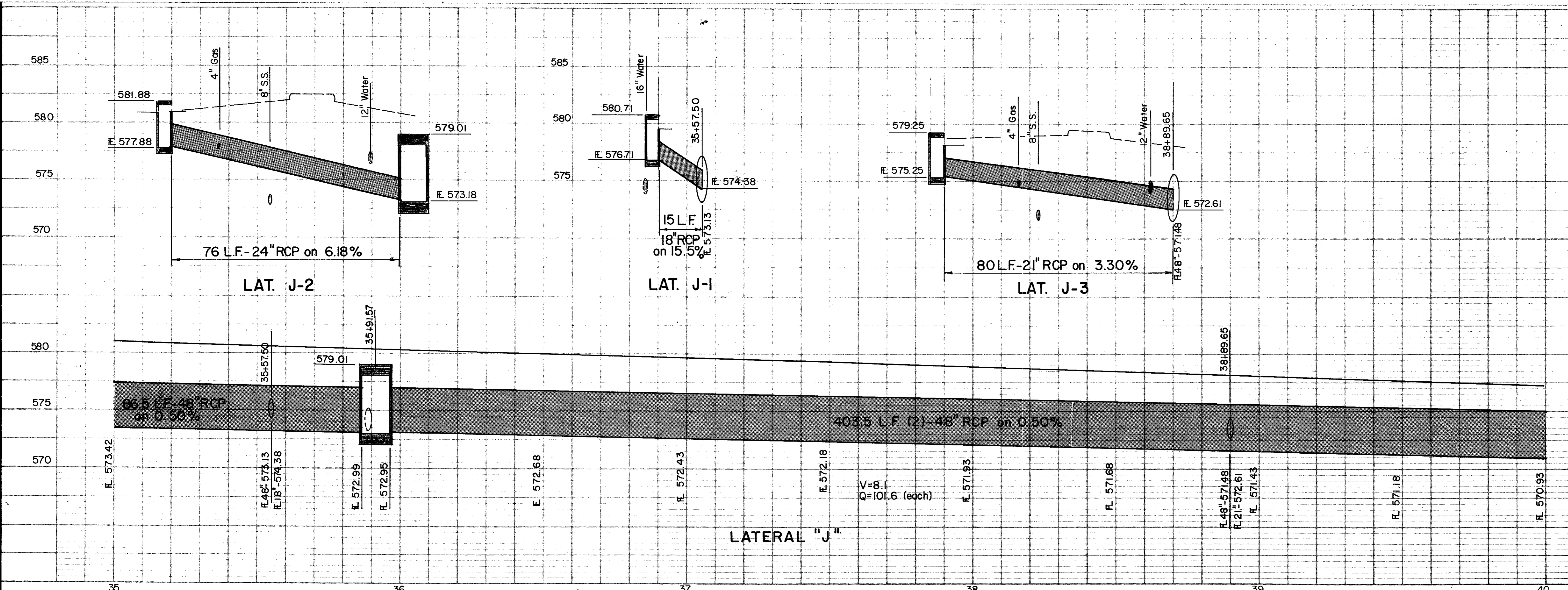


1		4" Gas Relocated	R.B.		1/9/82
No.	Revision			By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD					
DRAINAGE - STA. 30+00 to STA. 35+00					
GINN, INC. Consulting Engineers Dallas, Texas					
Designed - GF	Drawn - GF	Date -	Job No. - J-178		
Approved - HWG	Checked - HBJ	Scale - 1"=20'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

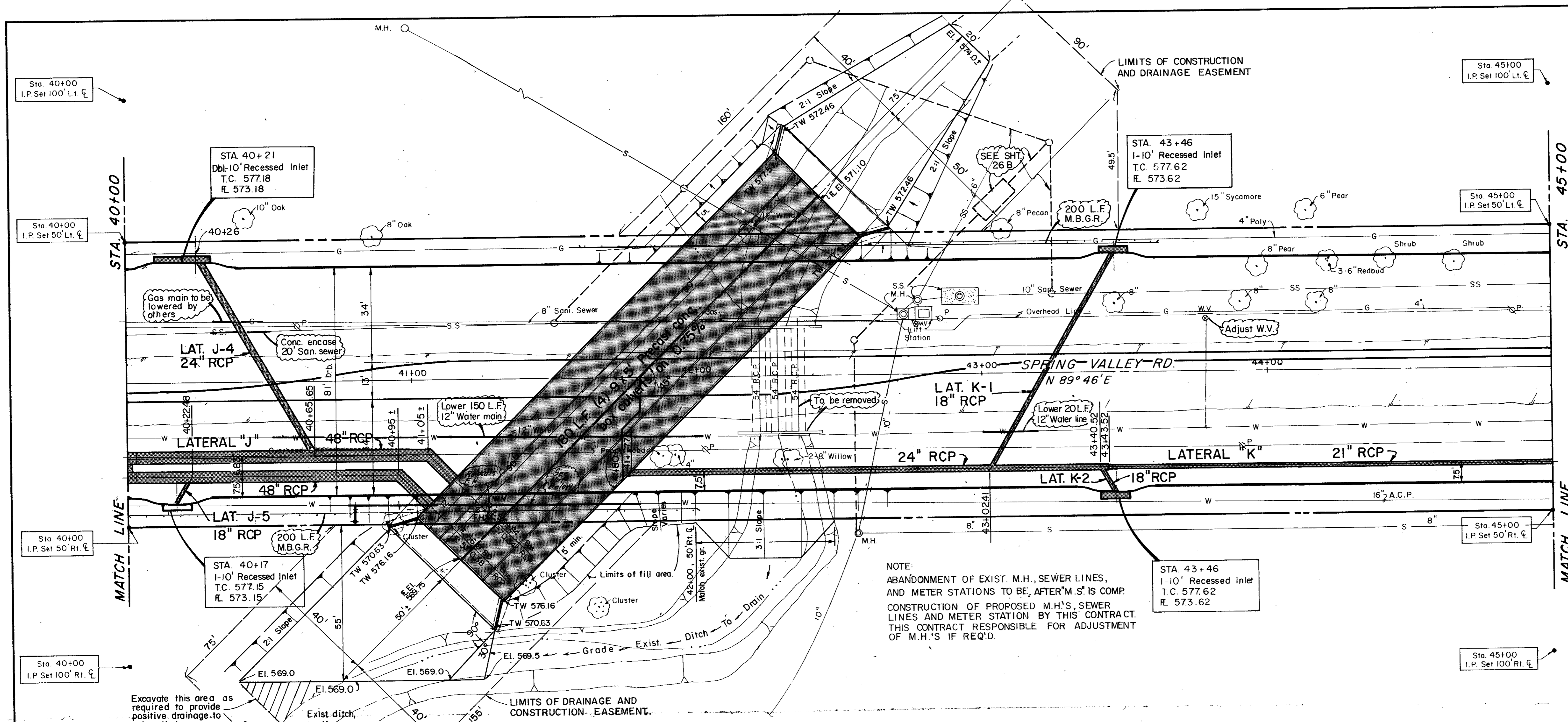


JUNCTION BOX
 29.5' Rt. C Sta. 35+91.57
 Top El. 579.01
 El. West = 572.99
 El. NW = 573.18
 El. East = 572.95
 For Details, See Sht. 29

Record Set 5/9/85
 B.M. #3 R.R. Spike On P.P., North Spring Valley Rd.
 Sta. 35+83.65 Lt. C.
 Elev. 583.50

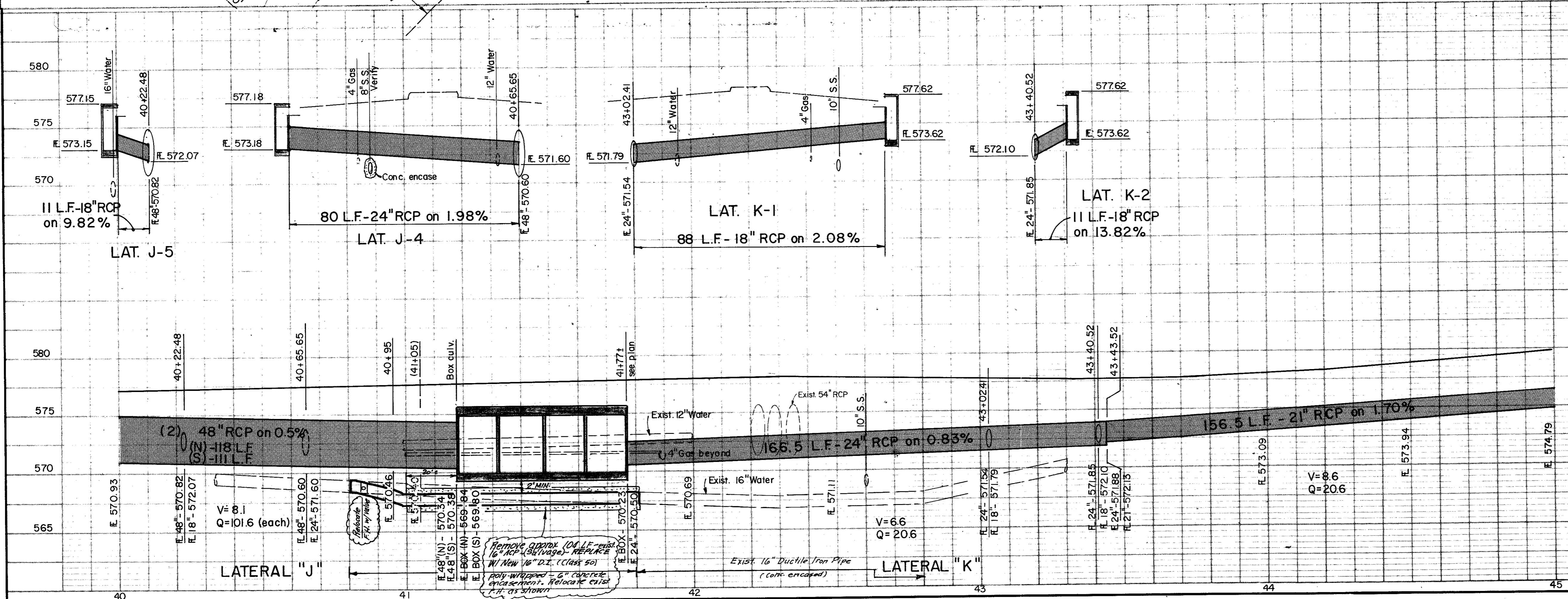


1		4" Gas Relocated		By		Date	
No.		Revision		By		Date	
CITY OF ADDISON DALLAS COUNTY, TEXAS SPRING VALLEY ROAD DRAINAGE - STA. 35+00 to STA. 40+00 GINN, INC. Consulting Engineers Dallas, Texas							
Designed - GF	Drawn - GF	Date -	Job No. - J-178				
Approved - HWG	Checked - HBJ	Scale - 1" = 20' H.,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

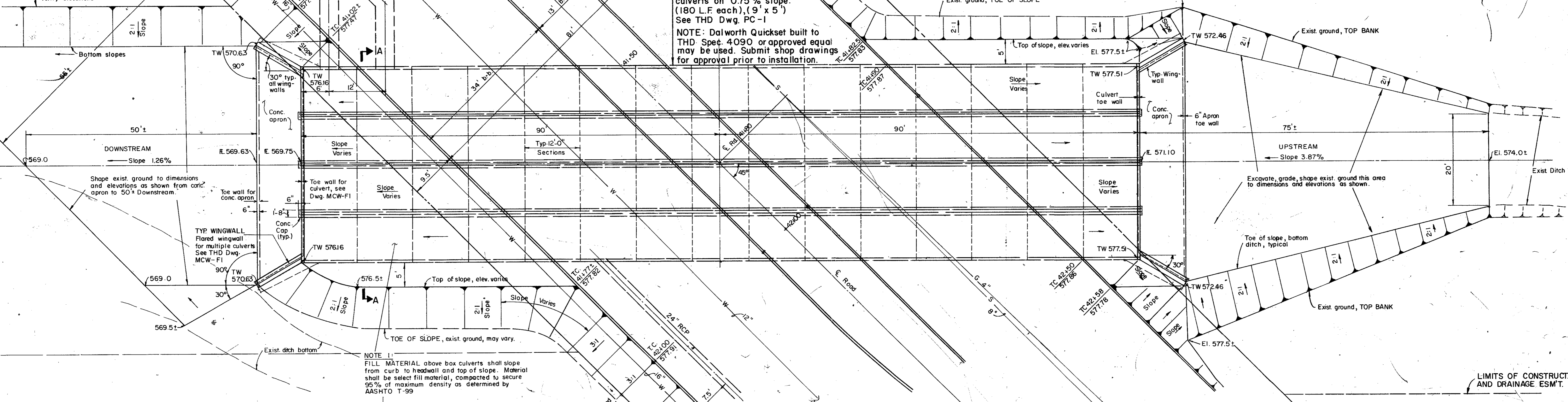
Record Set 5/9/85



1 4" Gas Relocated		By Date	
Revision		RB 7/9/82	
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

LIMITS OF CONSTRUCTION AND DRAINAGE EASEMENT

PROPOSED Top Bank, existing Natural ground, may vary, verify elevations



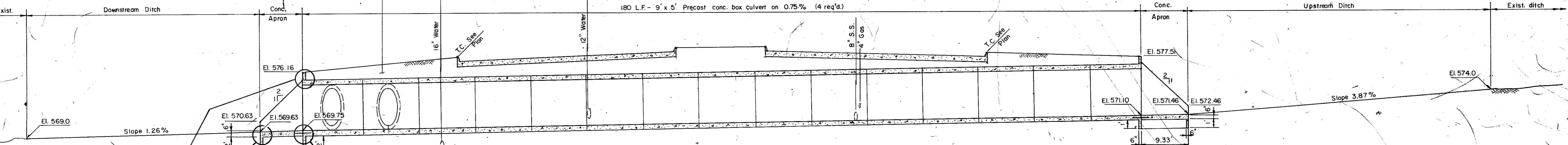
4 - THD Precast concrete box culverts on 0.75% slope. (180 L.F. each), (9' x 5') See THD Dwg. PC-1

NOTE: Dalworth Quickset built to THD Spet. 4090 or approved equal may be used. Submit shop drawings for approval prior to installation.

NOTE 1: FILL MATERIAL above box culverts shall slope from curb to headwall and top of slope. Material shall be select fill material, compacted to secure 95% of maximum density as determined by AASHTO T-99

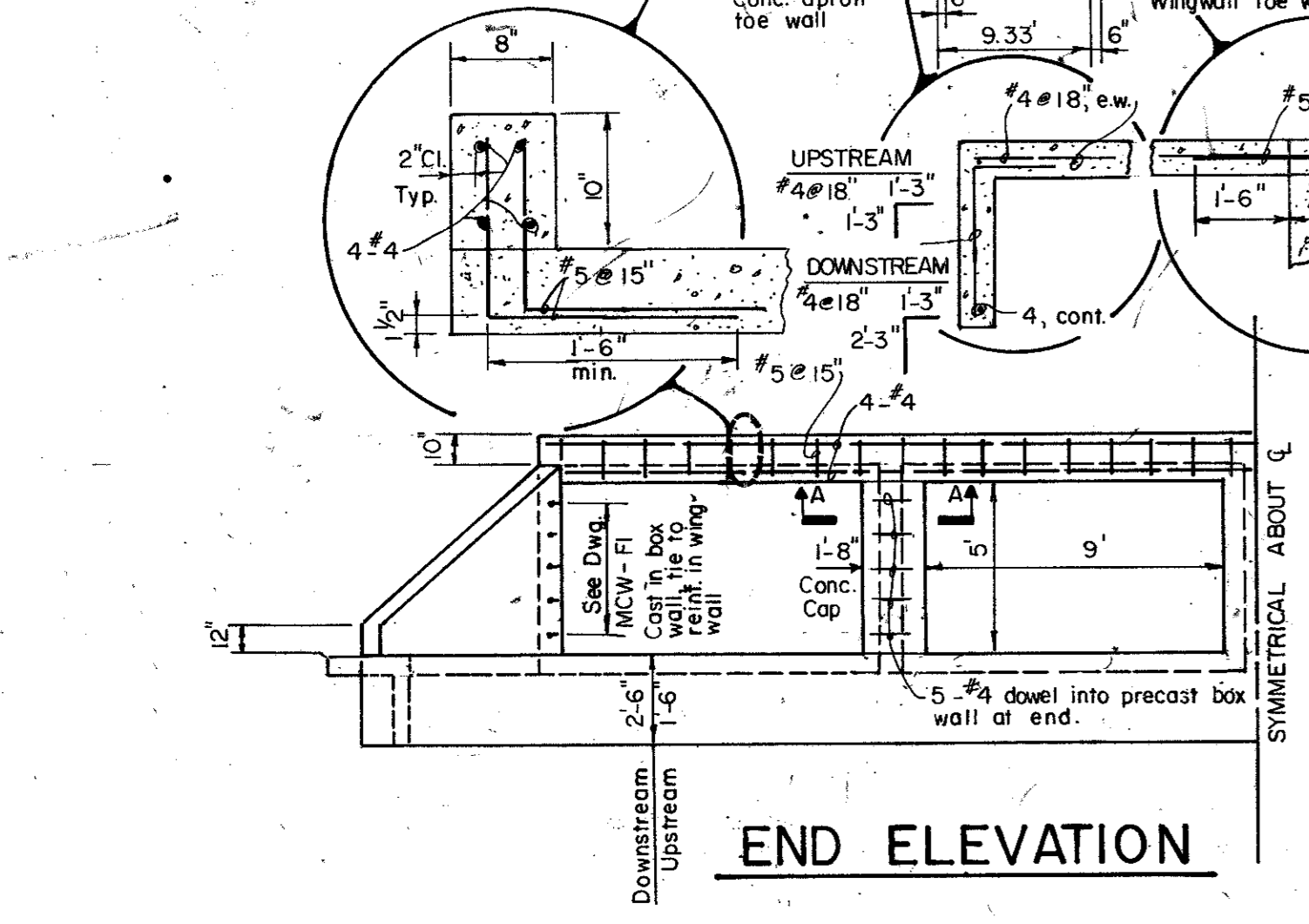
ENLARGED PLAN-PRECAST BOX CULVERT

SCALE: 1" = 10'

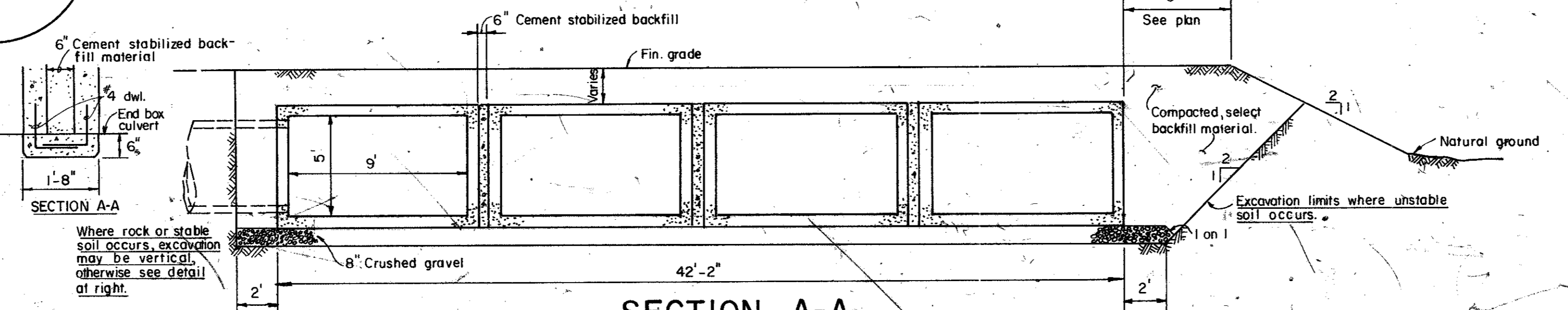


TYPICAL SECTION

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



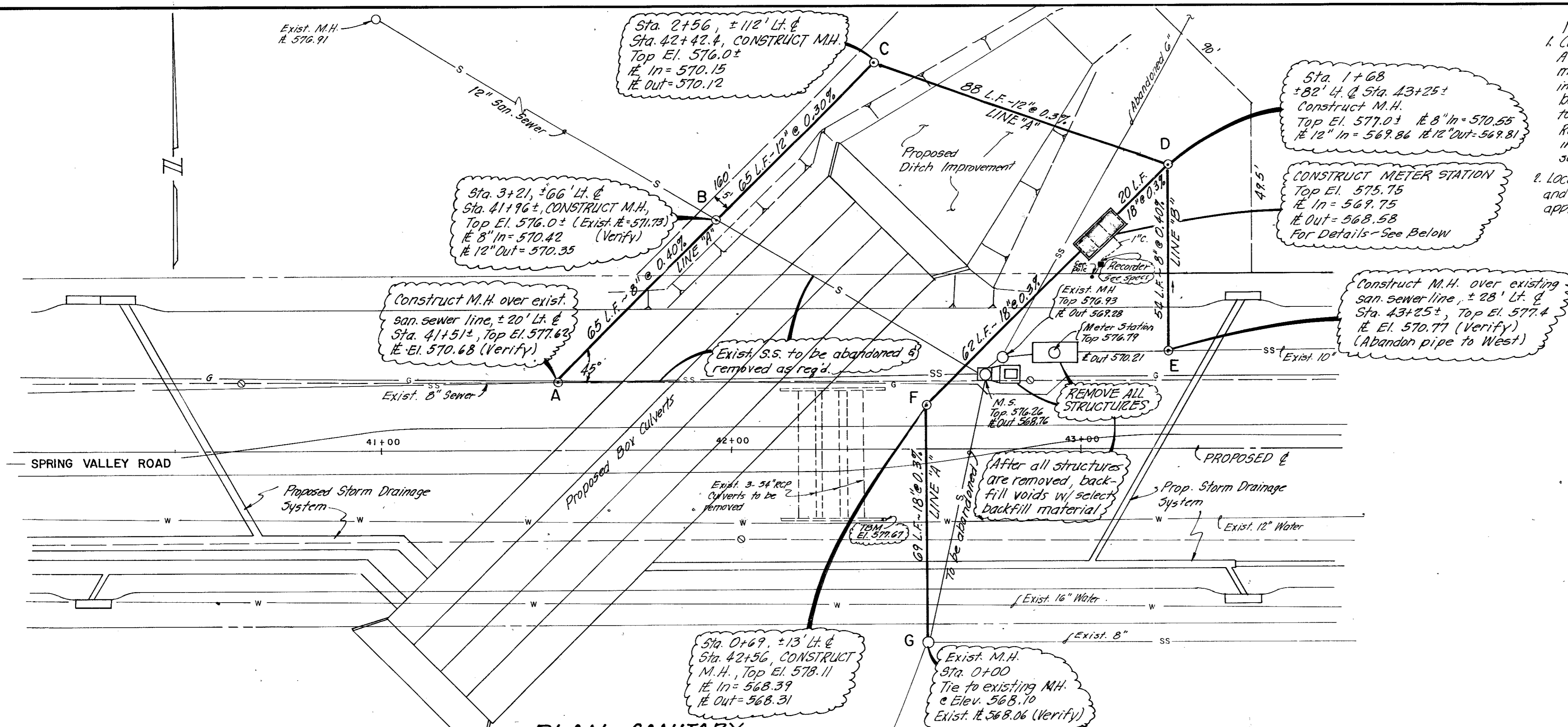
END ELEVATION



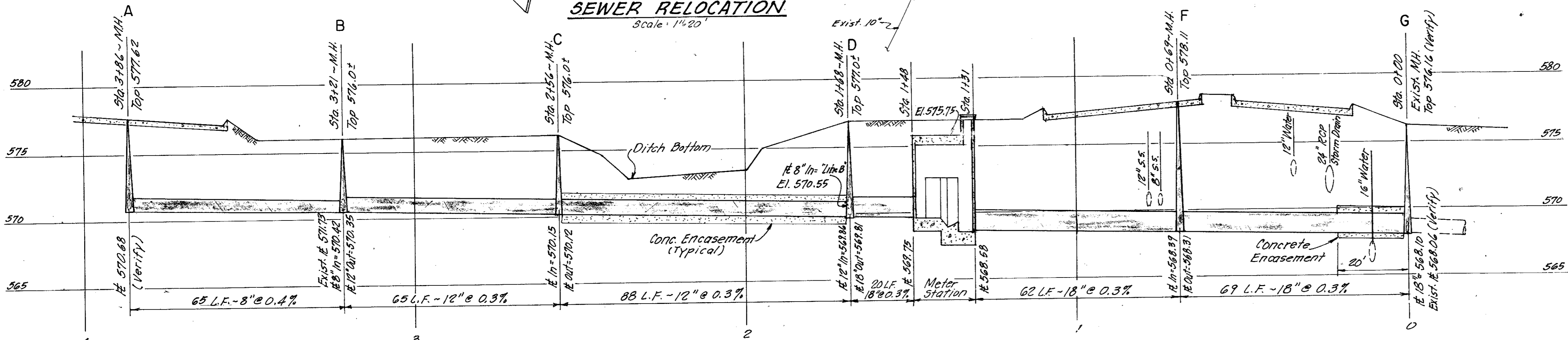
SECTION A-A

Record Set 5/9/85

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 26A of



PLAN - SANITARY SEWER RELOCATION
Scale: 1/4" = 20'



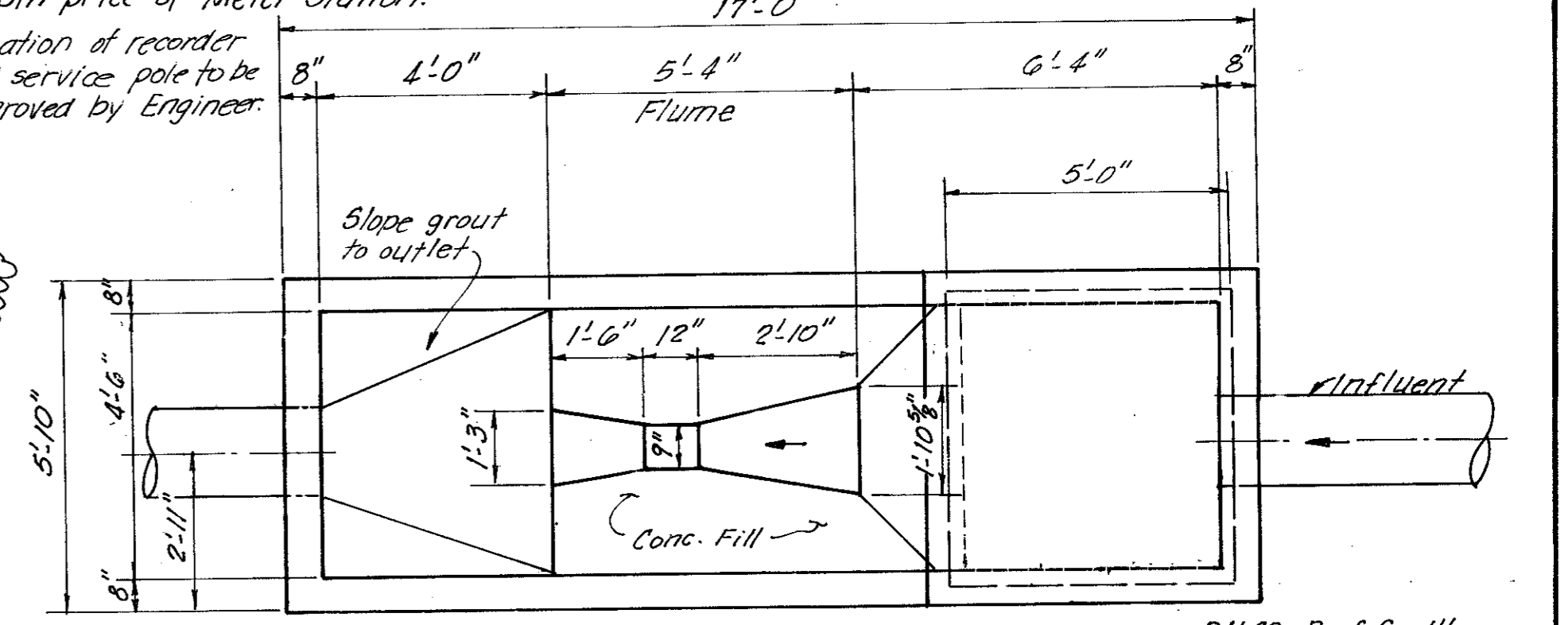
PROFILE
Scale: 1/4" = 20' H, 1" = 5' V

GENERAL NOTES

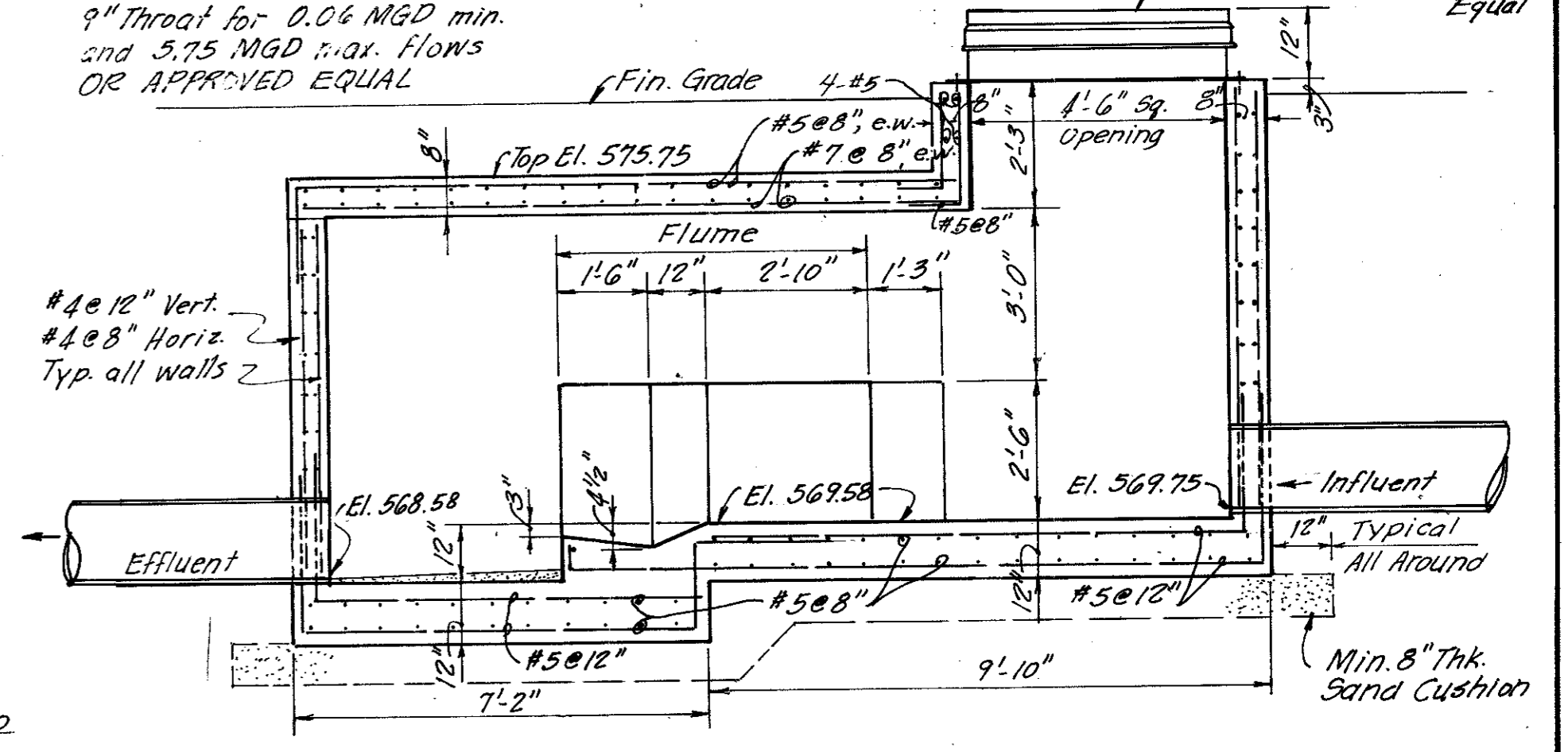
- Roof scuttle to be Type "SS" as manufactured by The Bilco Company, or approved equal. Cover shall be 14 gauge galvanized steel prime painted with 3" beaded flange. Curb shall be 12" in height and of 14 gauge steel. Flange with holes shall be provided for securing to concrete. All hardware, accessories, equipment and installation shall be in accordance with manufacturer's instructions. Contractor shall provide outside padlock hasp.
- 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.
- 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.
- All concrete shall be Class A, 3000 psi concrete.
- 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- Concrete encasement shall be 2500 psi concrete.
- 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 weather-head, 1 1/2" C, Meter base 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.



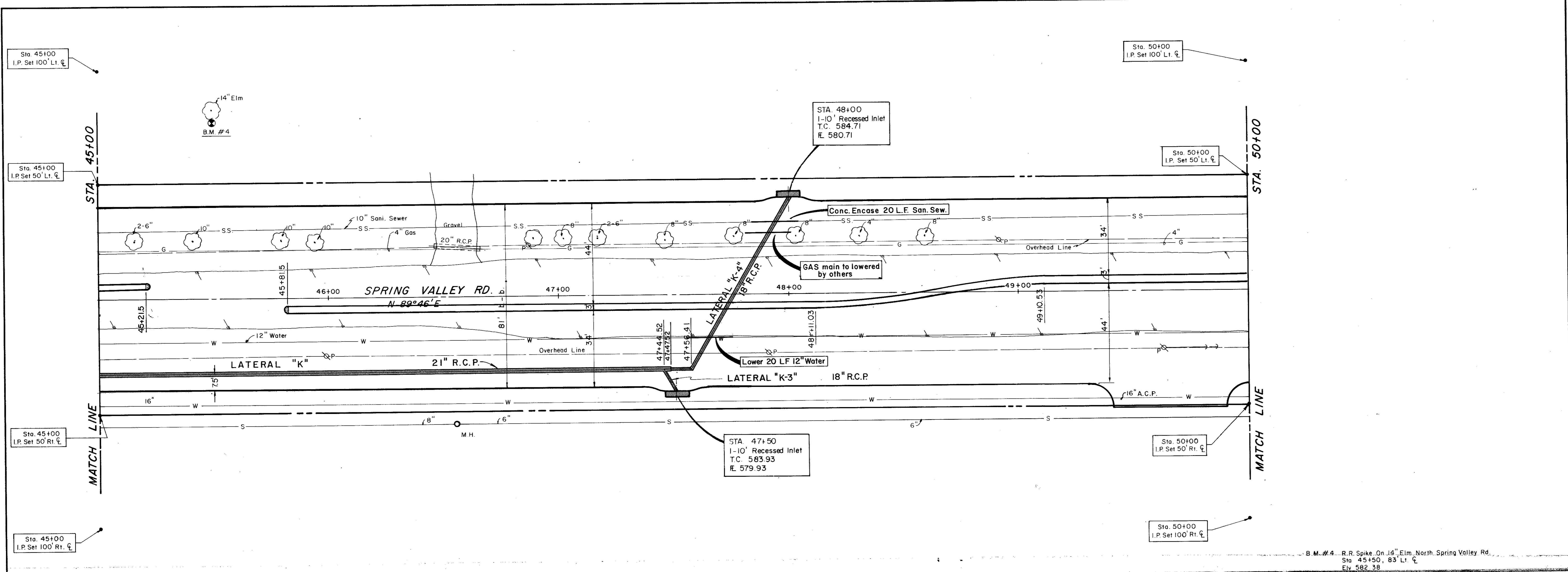
NOTE: Plastic flume liner shall be BIF Model 141, 9" Throat for 0.06 MGD min. and 5.75 MGD max. Flows OR APPROVED EQUAL
BILCO Roof Scuttle Type "SS" - 4'-6" x 4'-6" 14-Ga. Galv. Steel or Approved Equal



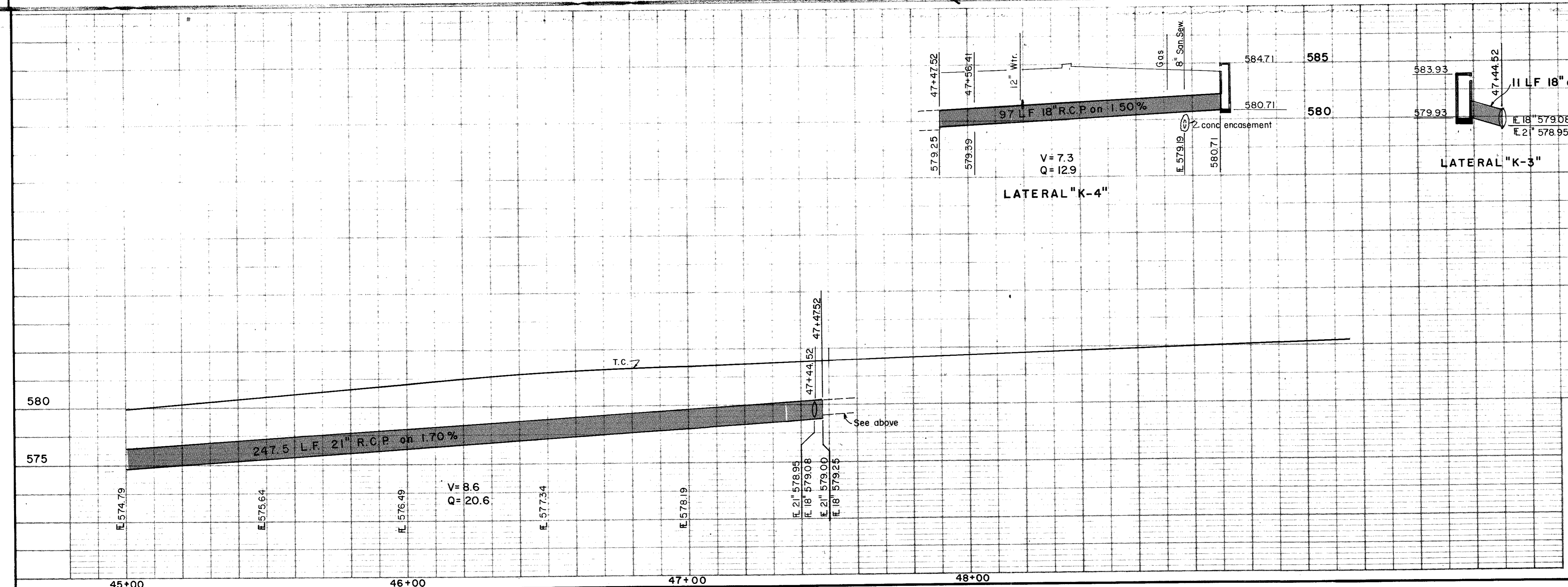
METER STATION DETAIL
Scale: 3/8" = 1'-0"

Record Set 5/9/85

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 - AWG	Scale - 1" = 20'-H, 1" = 5'-V	Sheet 26 of 26

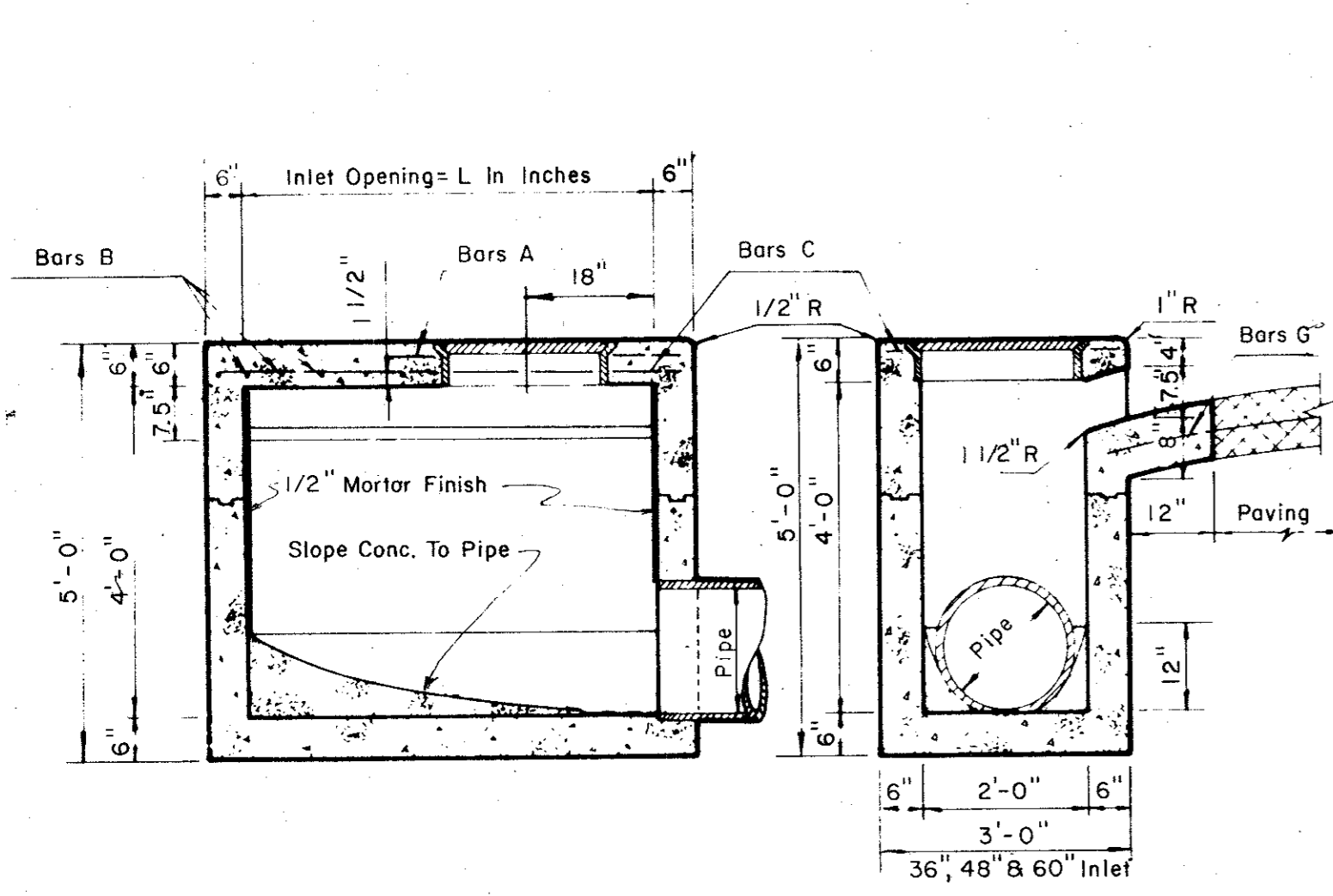


B.M. #4 R.R. Spike on 14" Elm North Spring Valley Rd.
 Sta 45+50, 83' Lt. ζ
 Elev 582.38

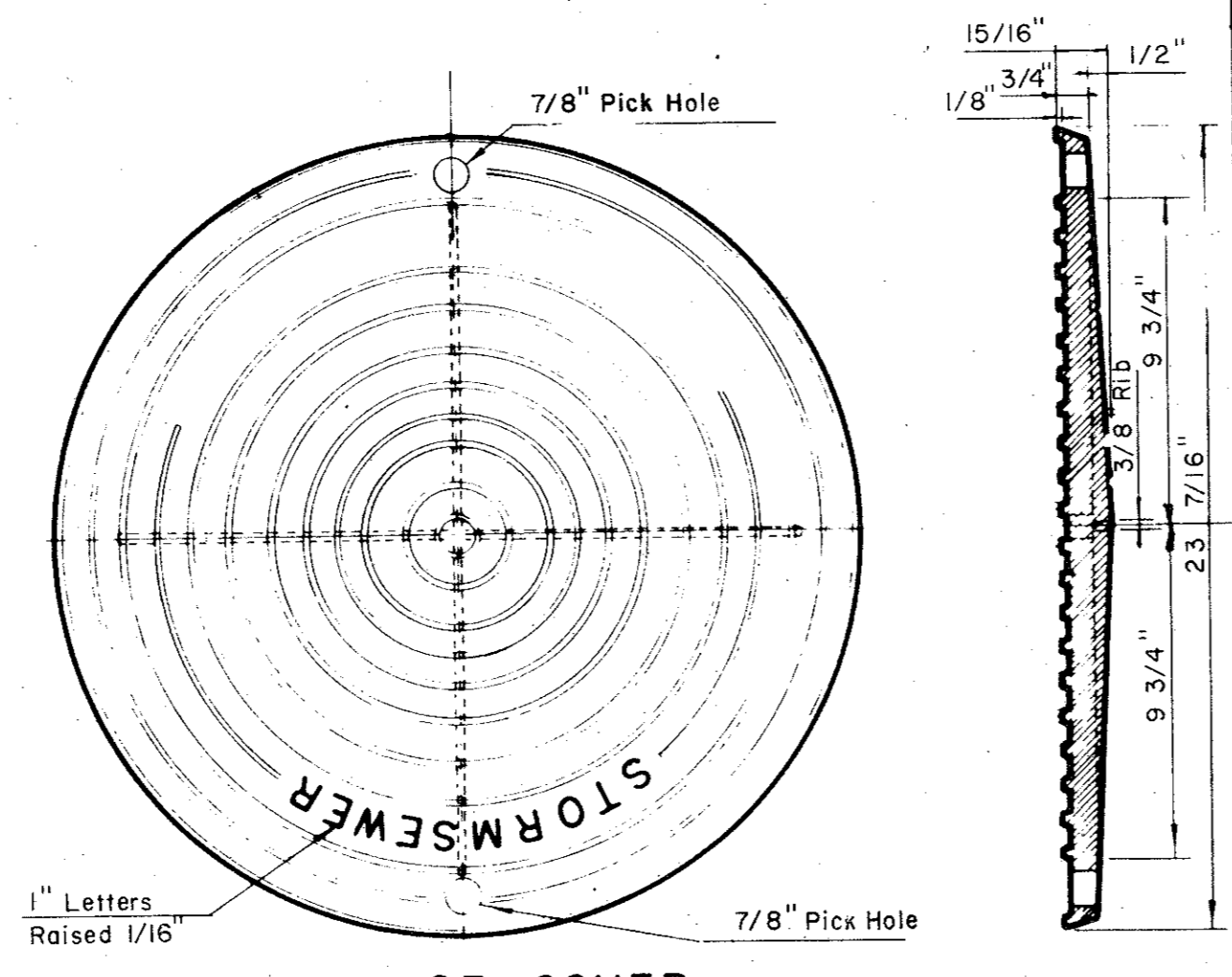


Record Set 5/9/85

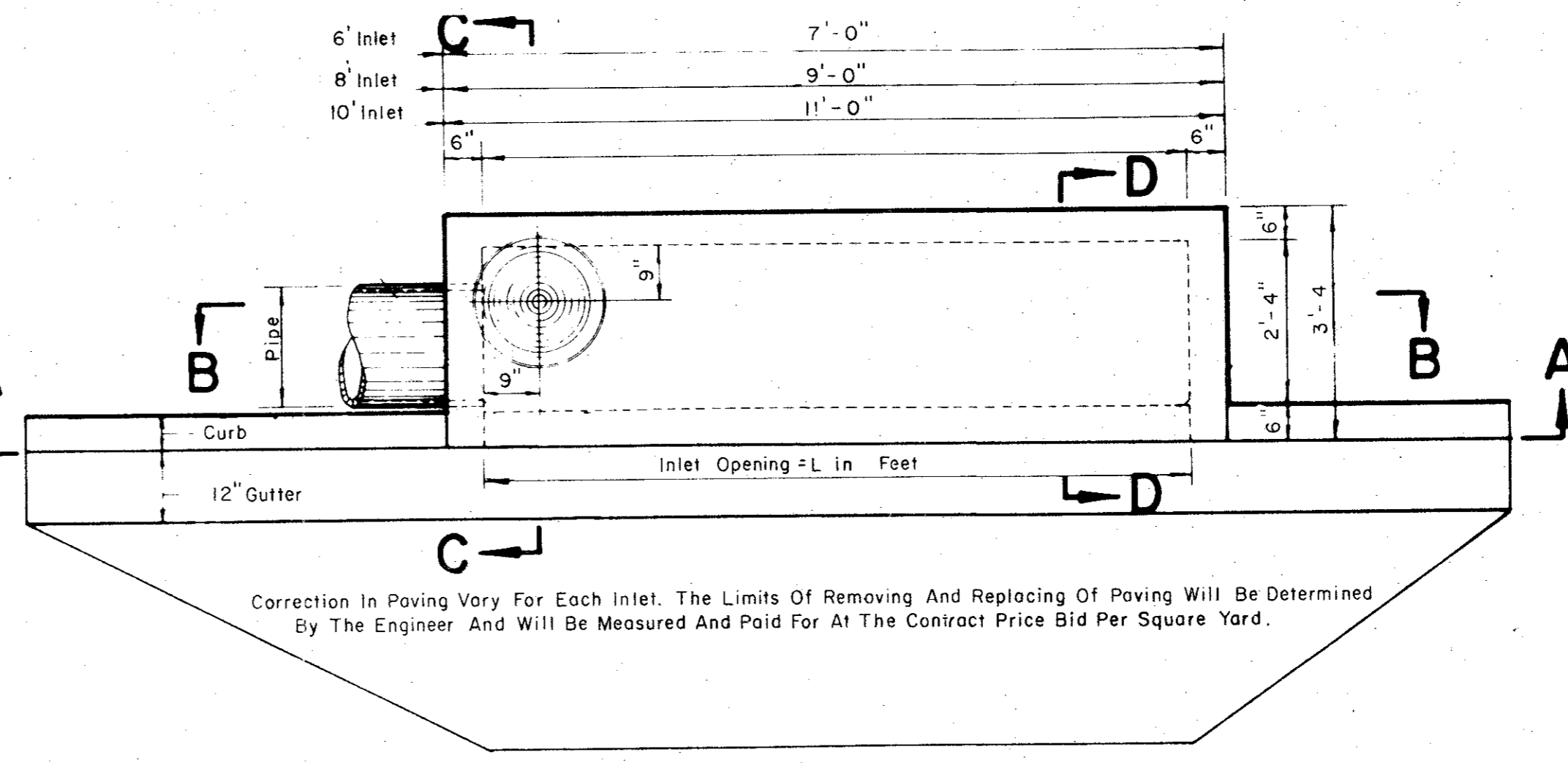
No.	Revision	By	Date
CITY OF ADDISON DALLAS COUNTY, TEXAS			
SPRING VALLEY ROAD			
DRAINAGE - STA. 45+00 to STA. 50+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - GF	Date -	Job No. - J-178
Approved - HWG	Checked - HBJ	Scale - 1"=20' H., 1"=5' V.	Sheet 27 of



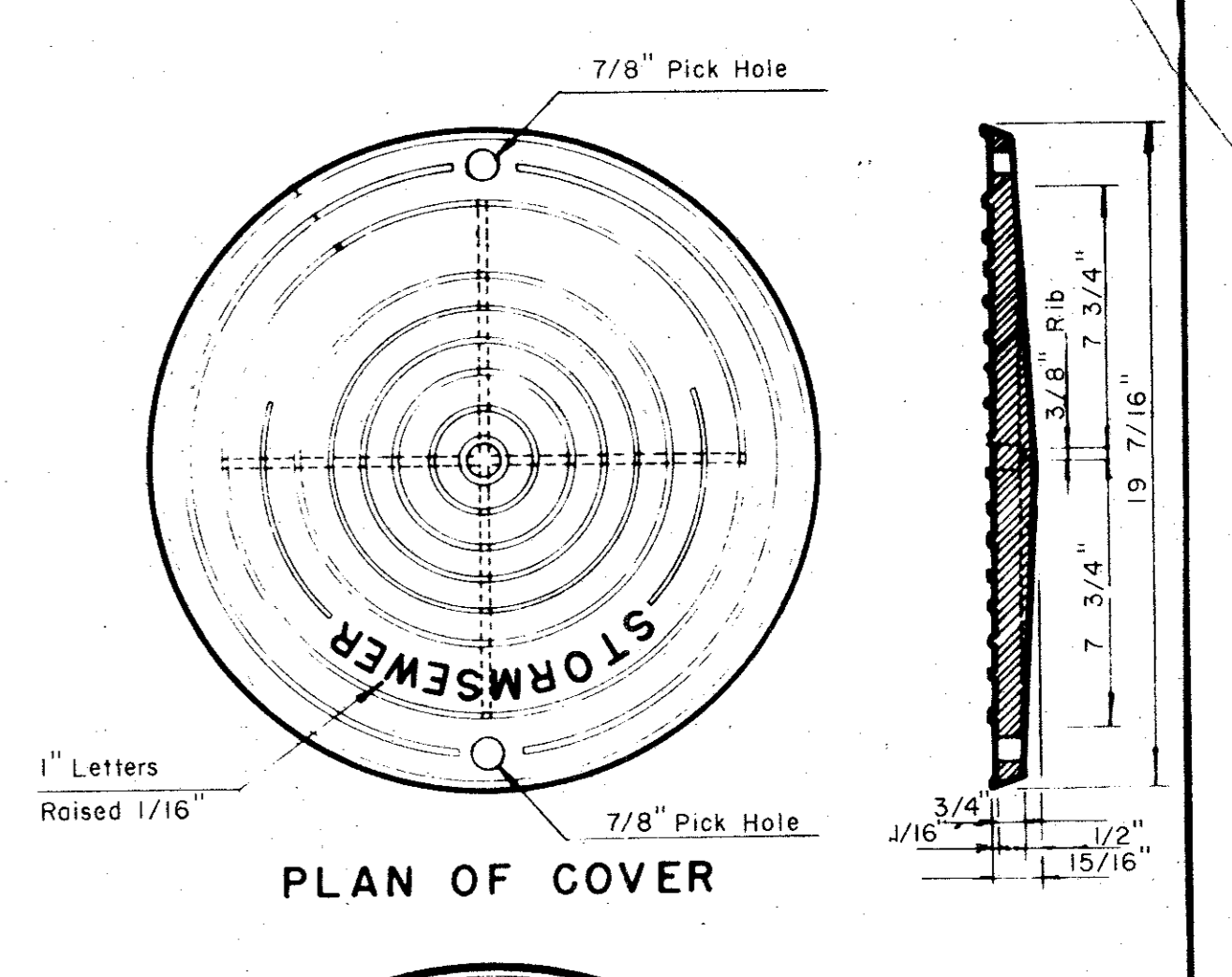
SECTION B-B SECTION C-C



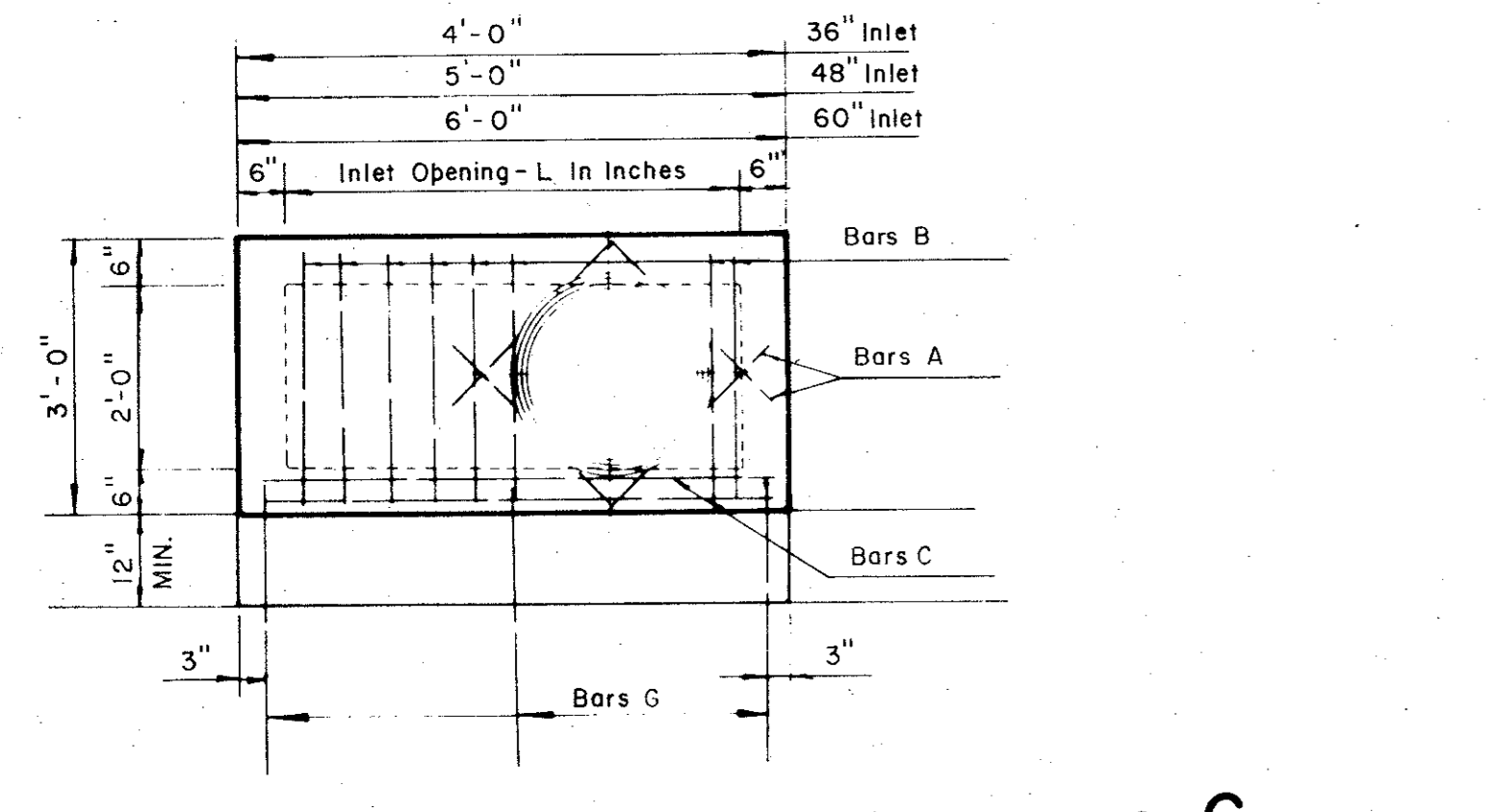
PLAN OF COVER



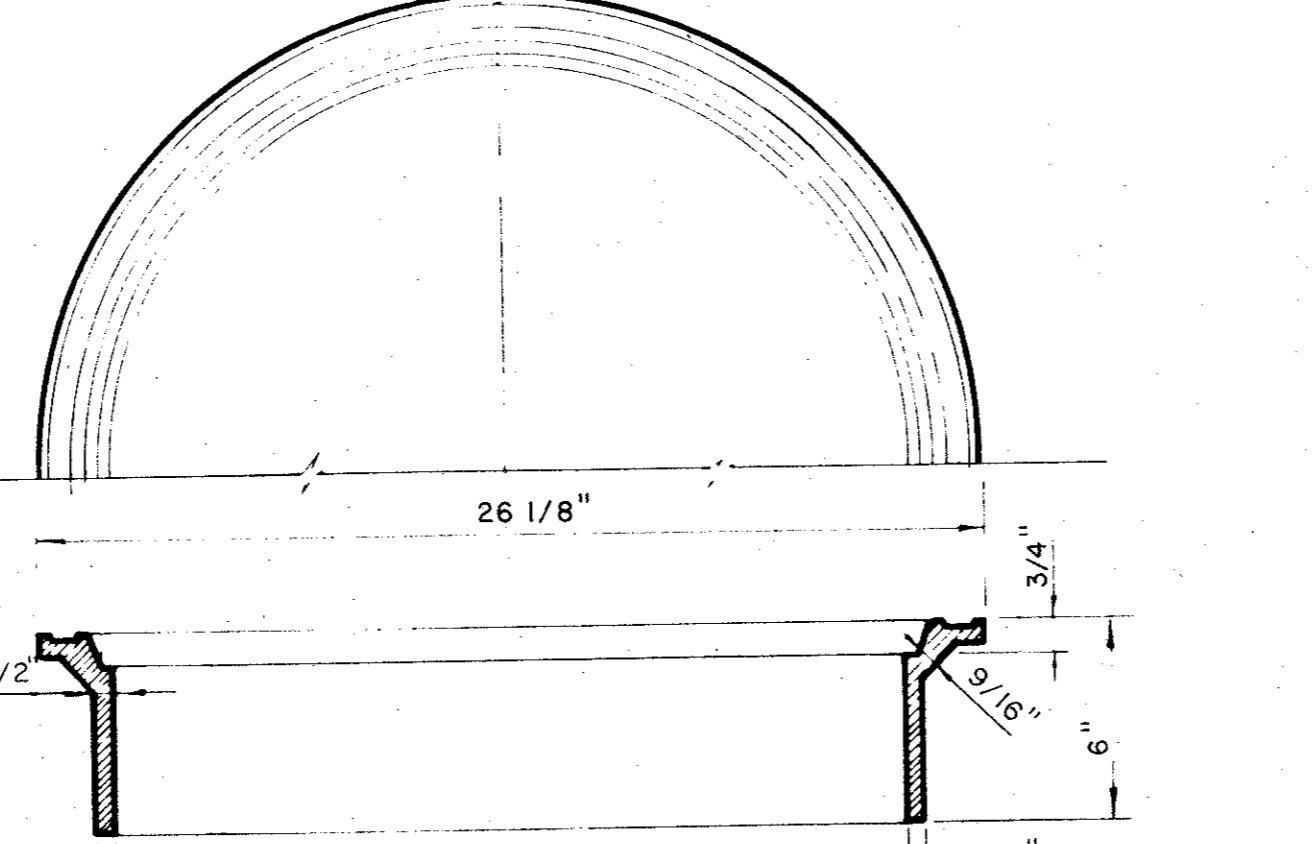
PLAN



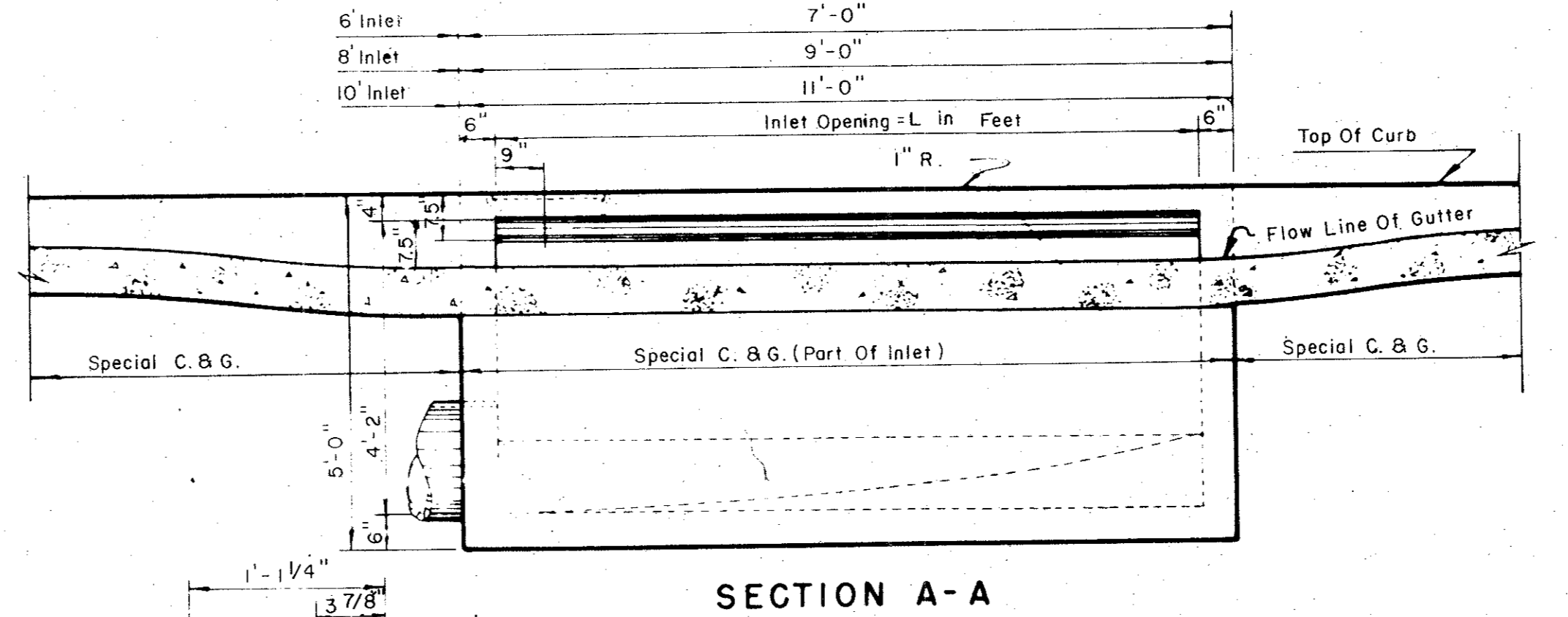
PLAN OF COVER



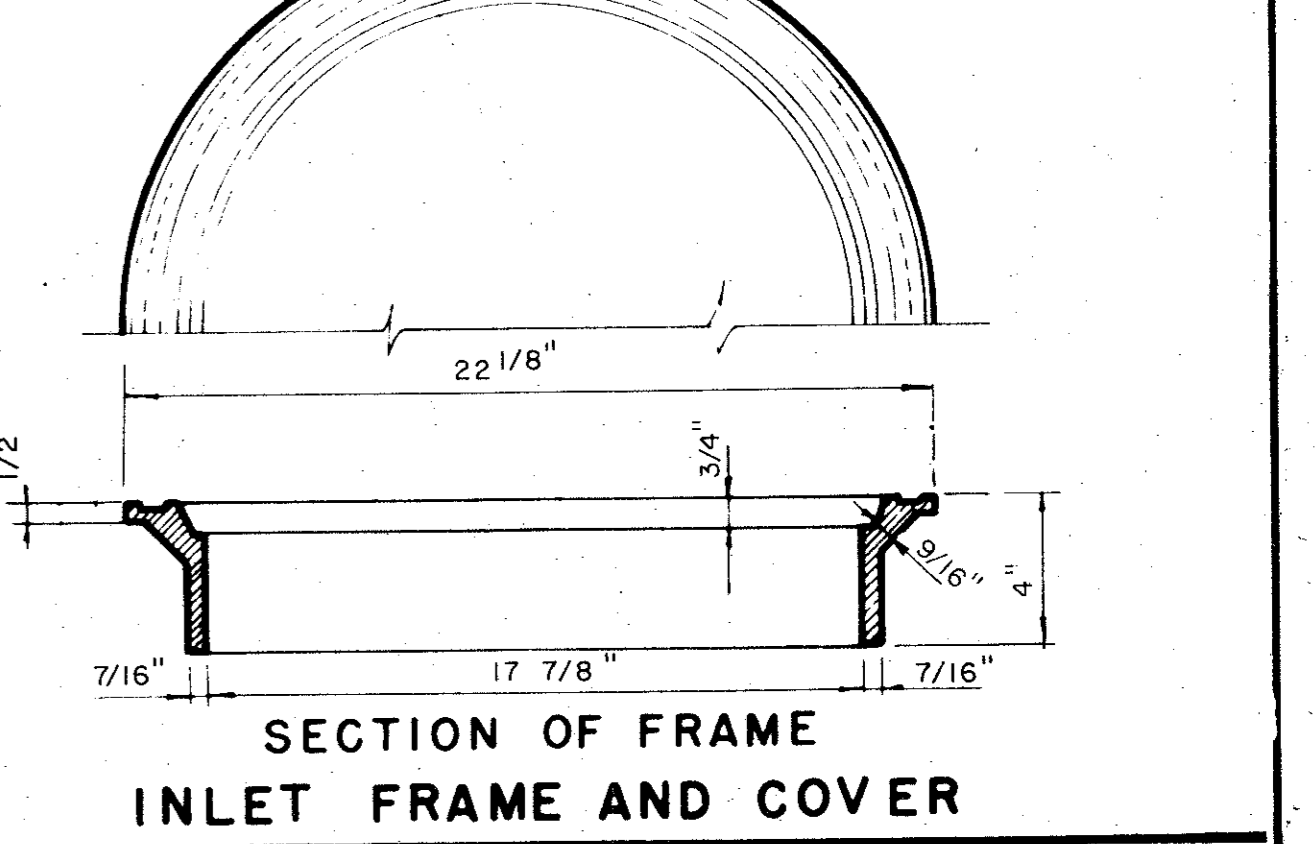
REINFORCING PLAN



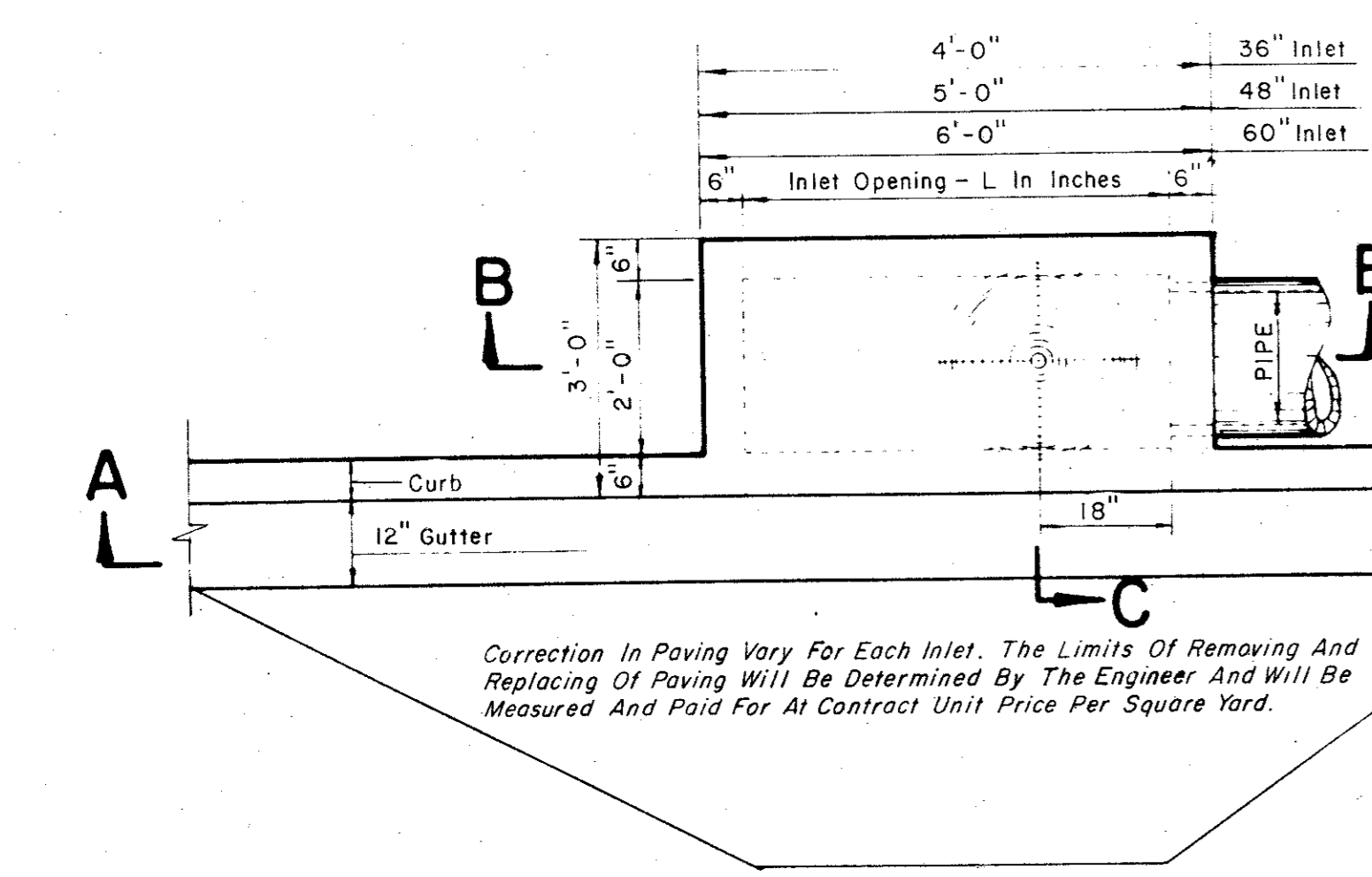
SECTION OF FRAME INLET FRAME AND COVER



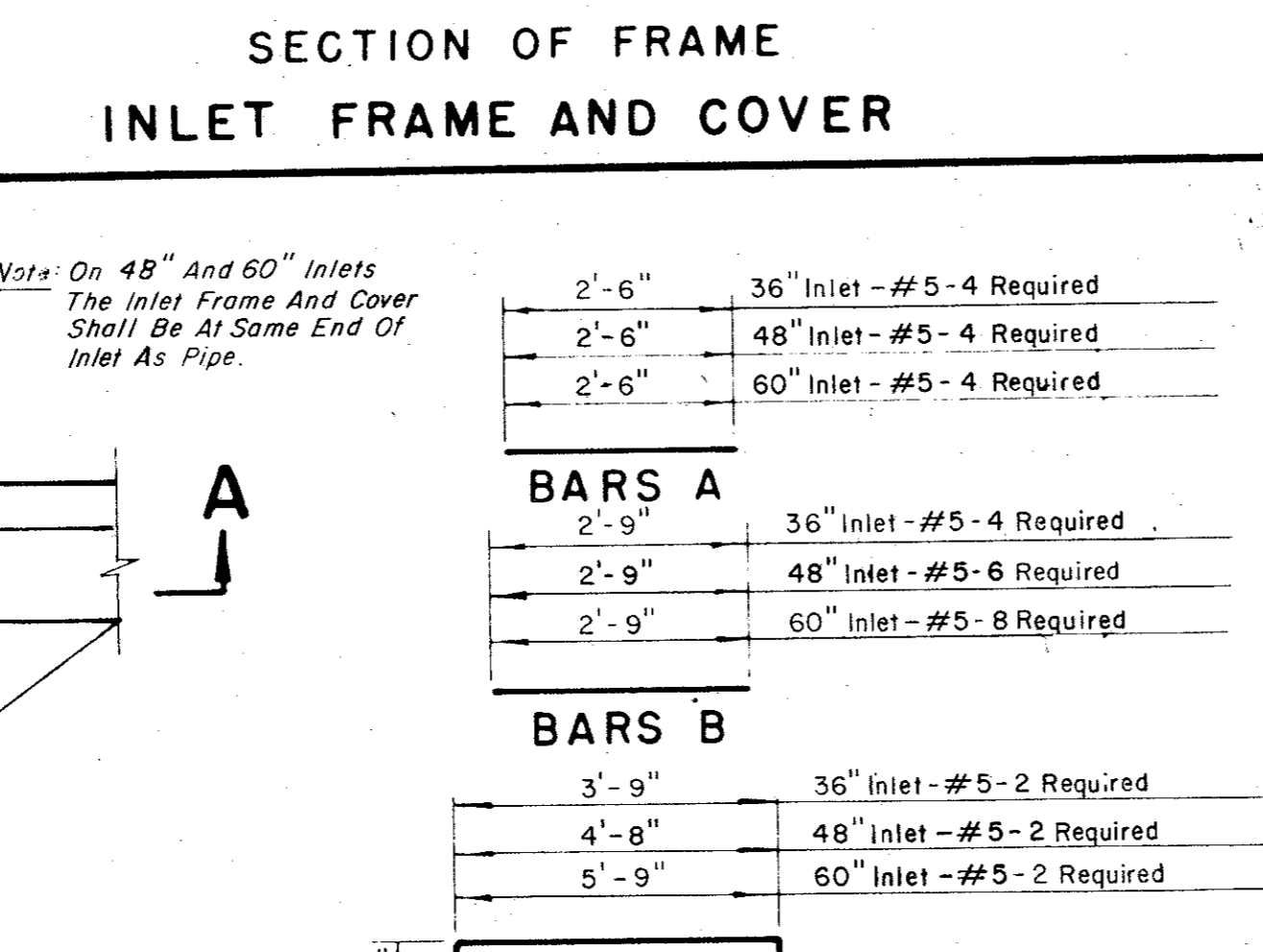
SECTION A-A



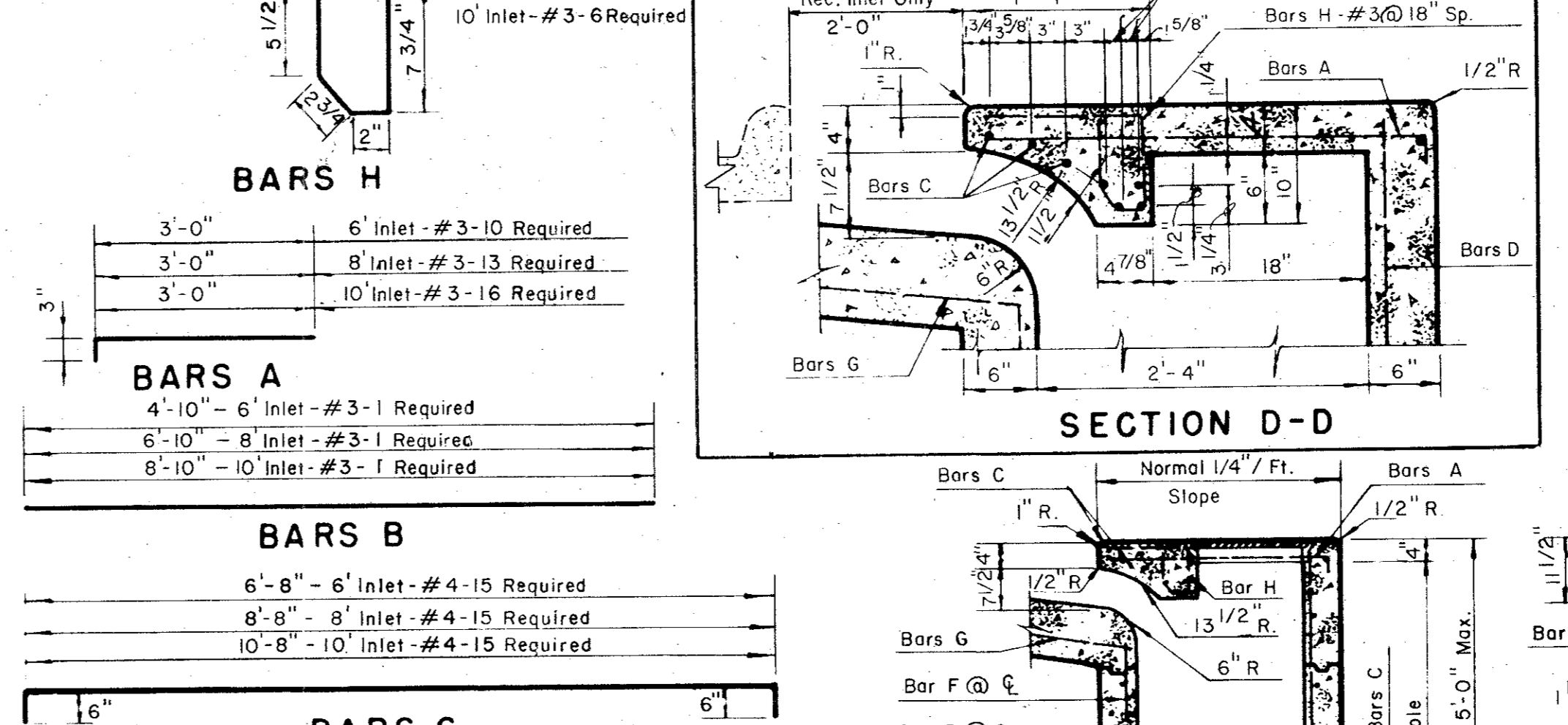
SECTION OF FRAME INLET FRAME AND COVER



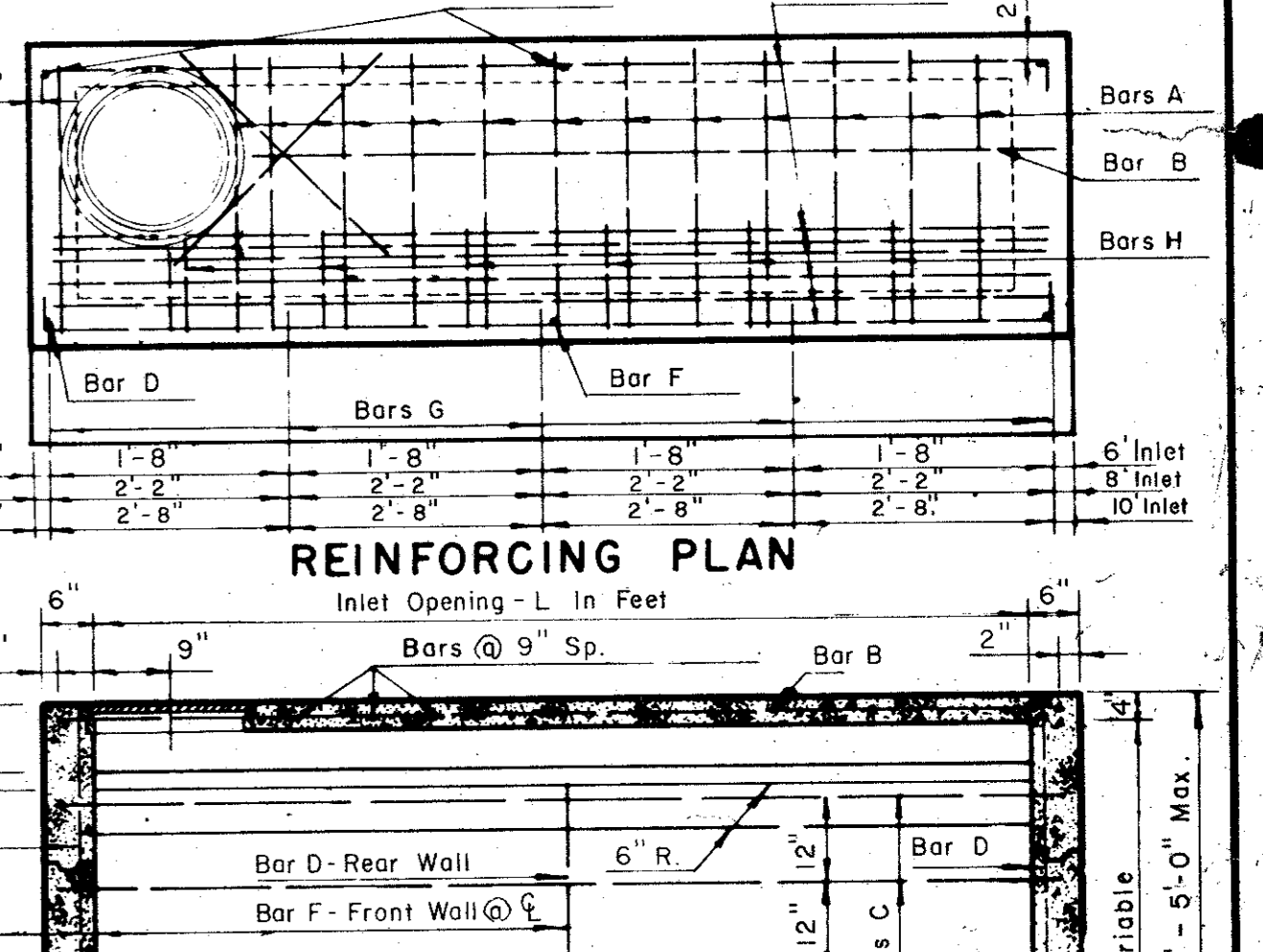
PLAN



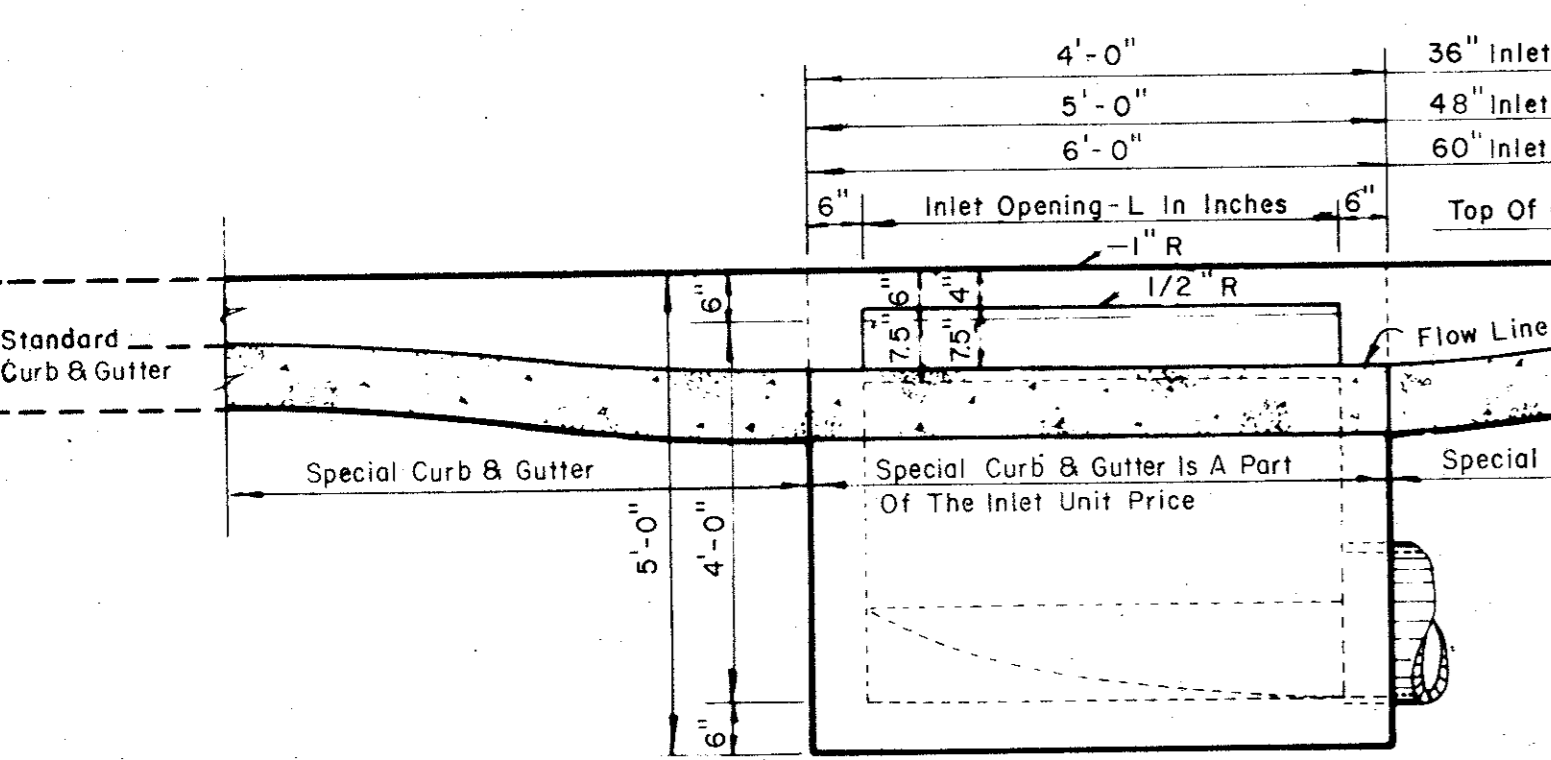
SECTION OF FRAME INLET FRAME AND COVER



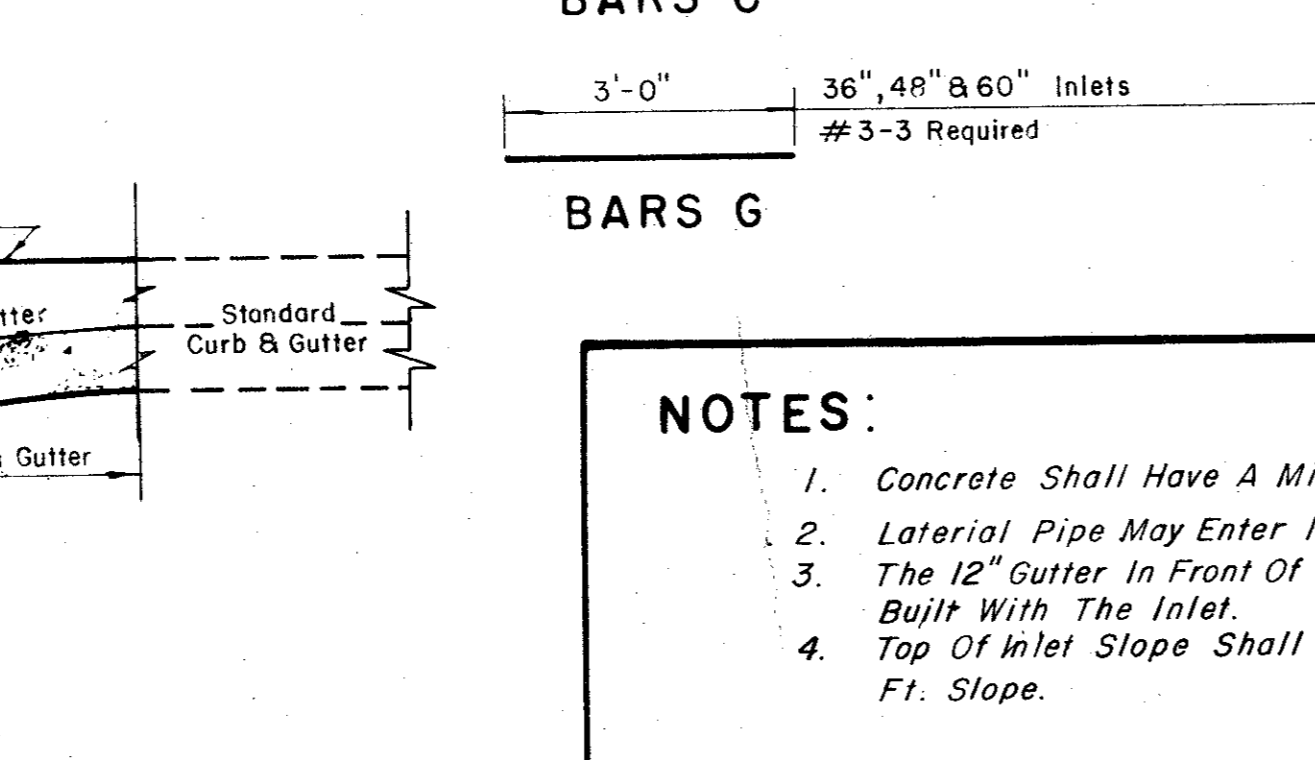
SECTION D-D



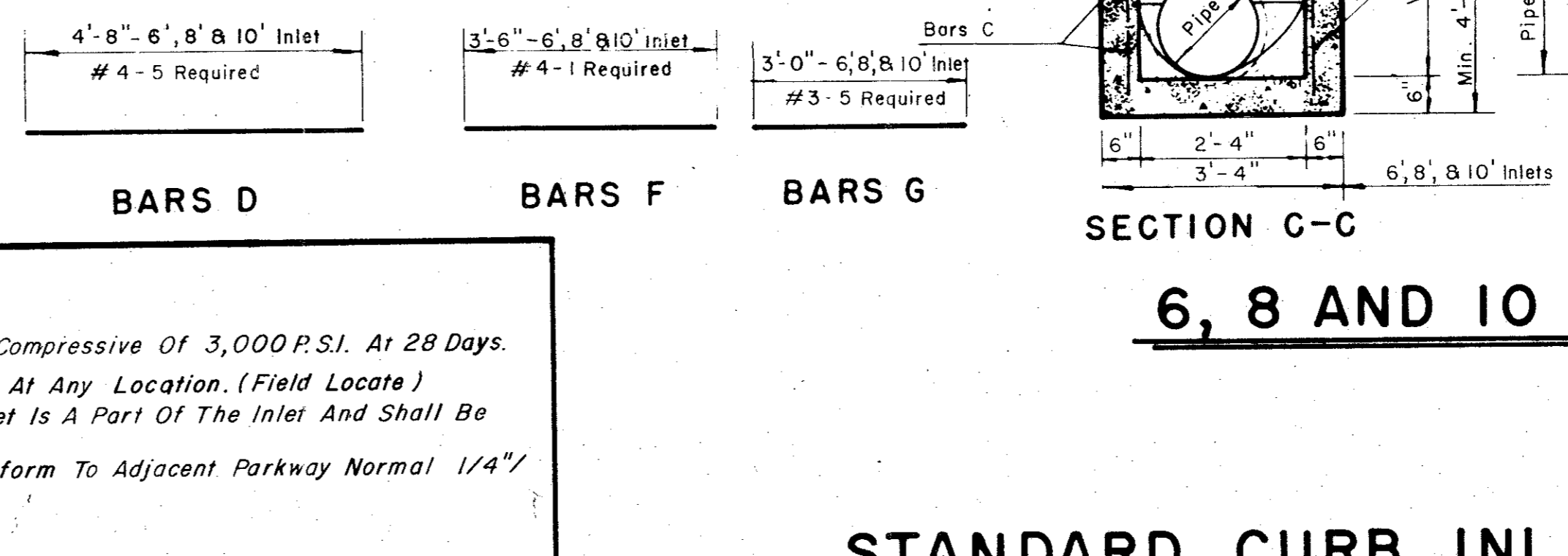
REINFORCING PLAN



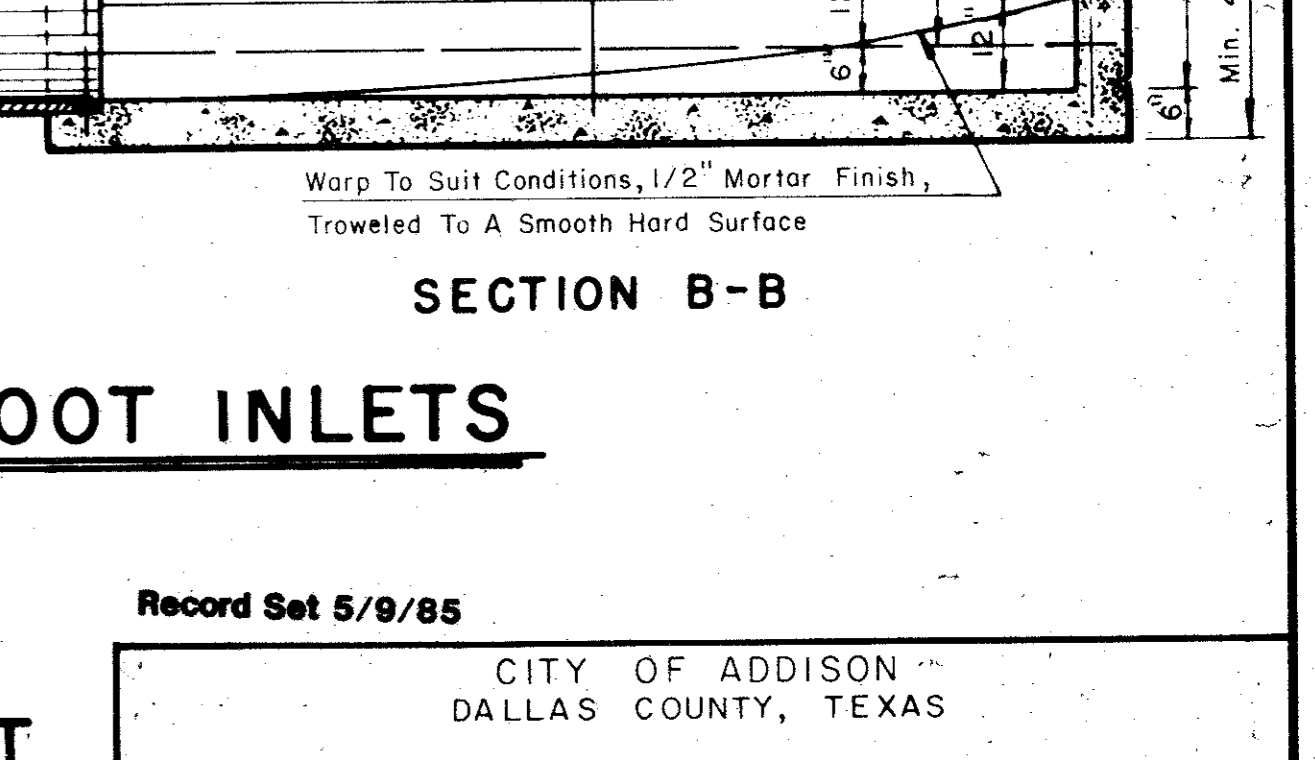
SECTION A-A



SECTION OF FRAME INLET FRAME AND COVER



SECTION C-C

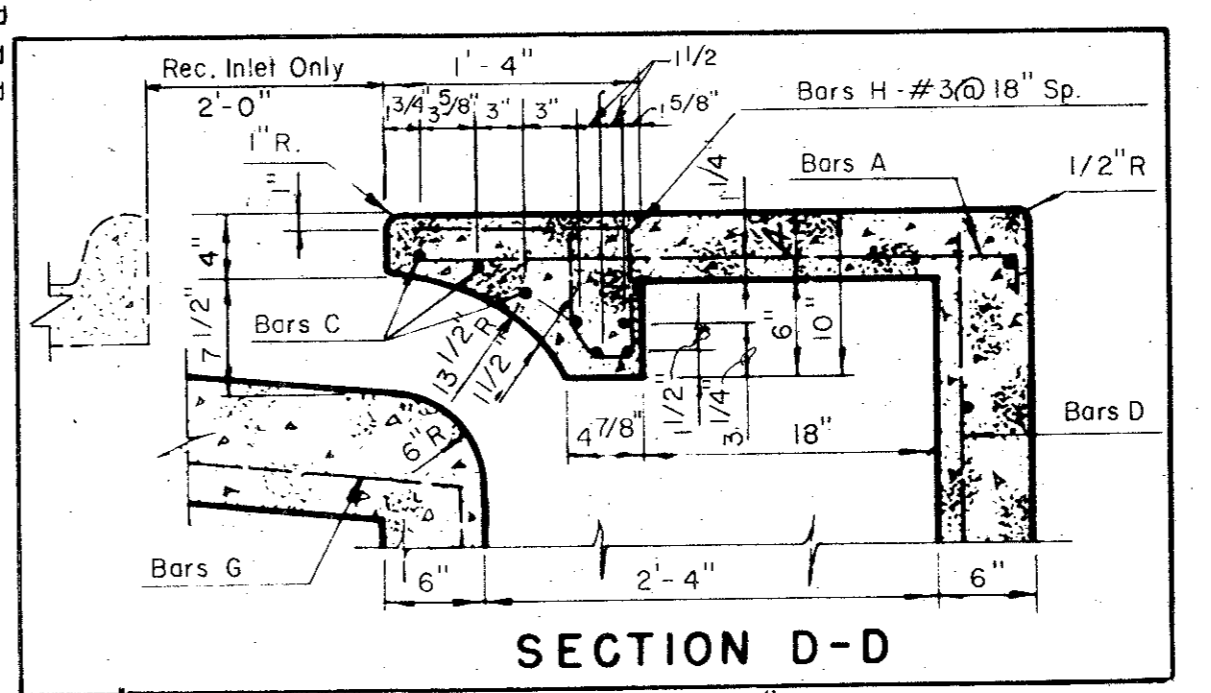


SECTION B-B

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	

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

- 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

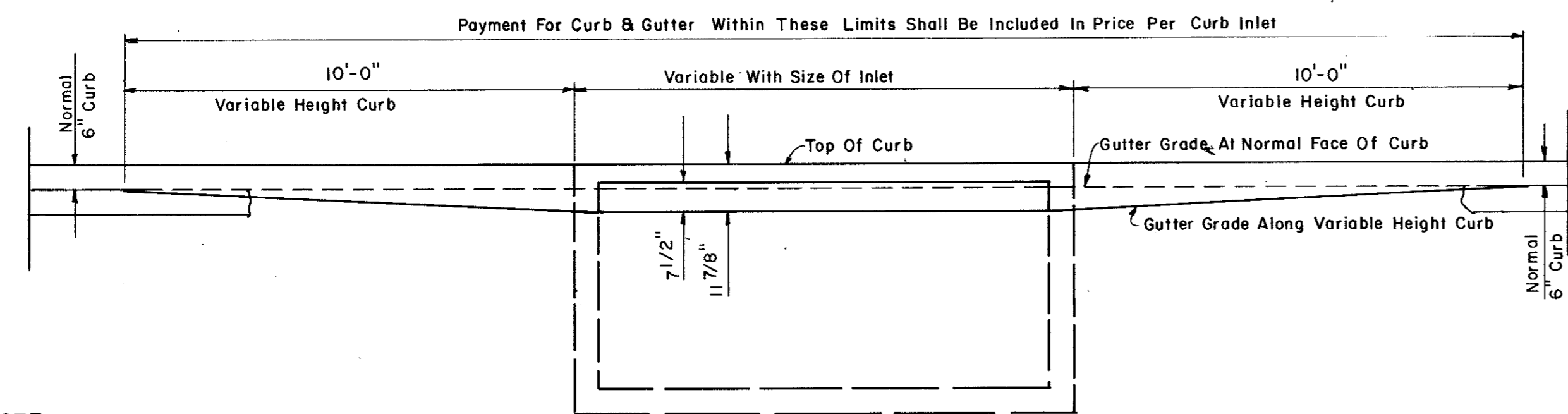
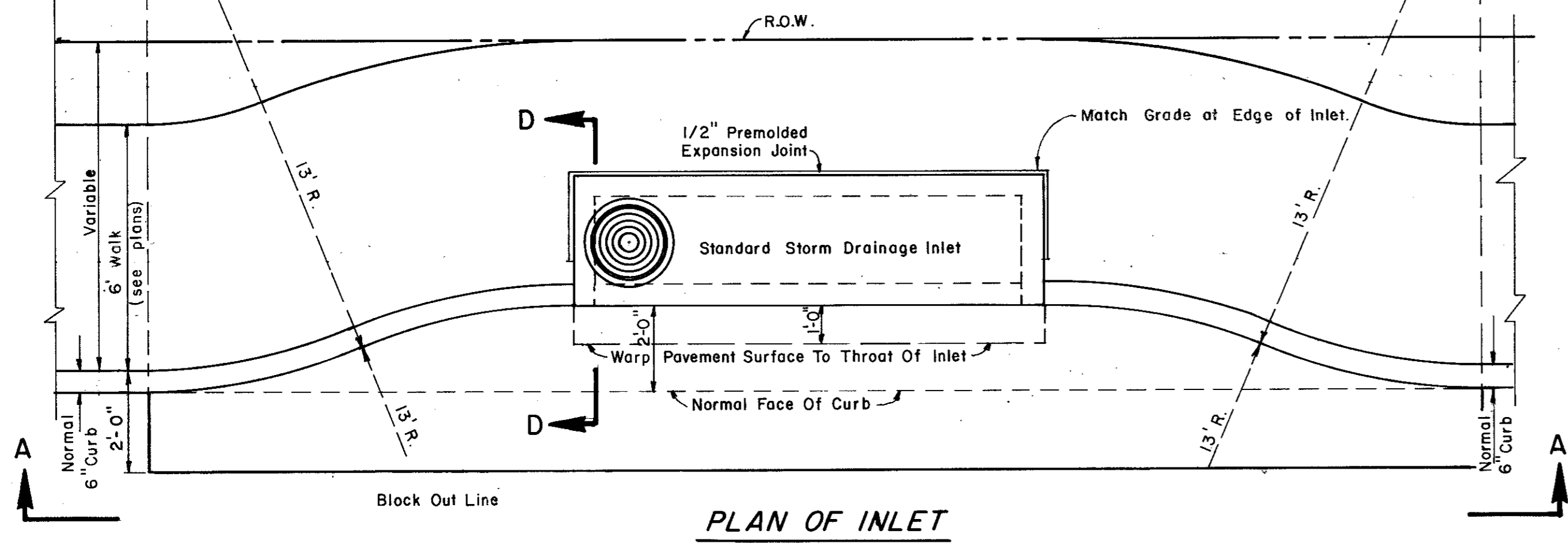
Record Set 5/9/85

CITY OF ADDISON
DALLAS COUNTY, TEXAS

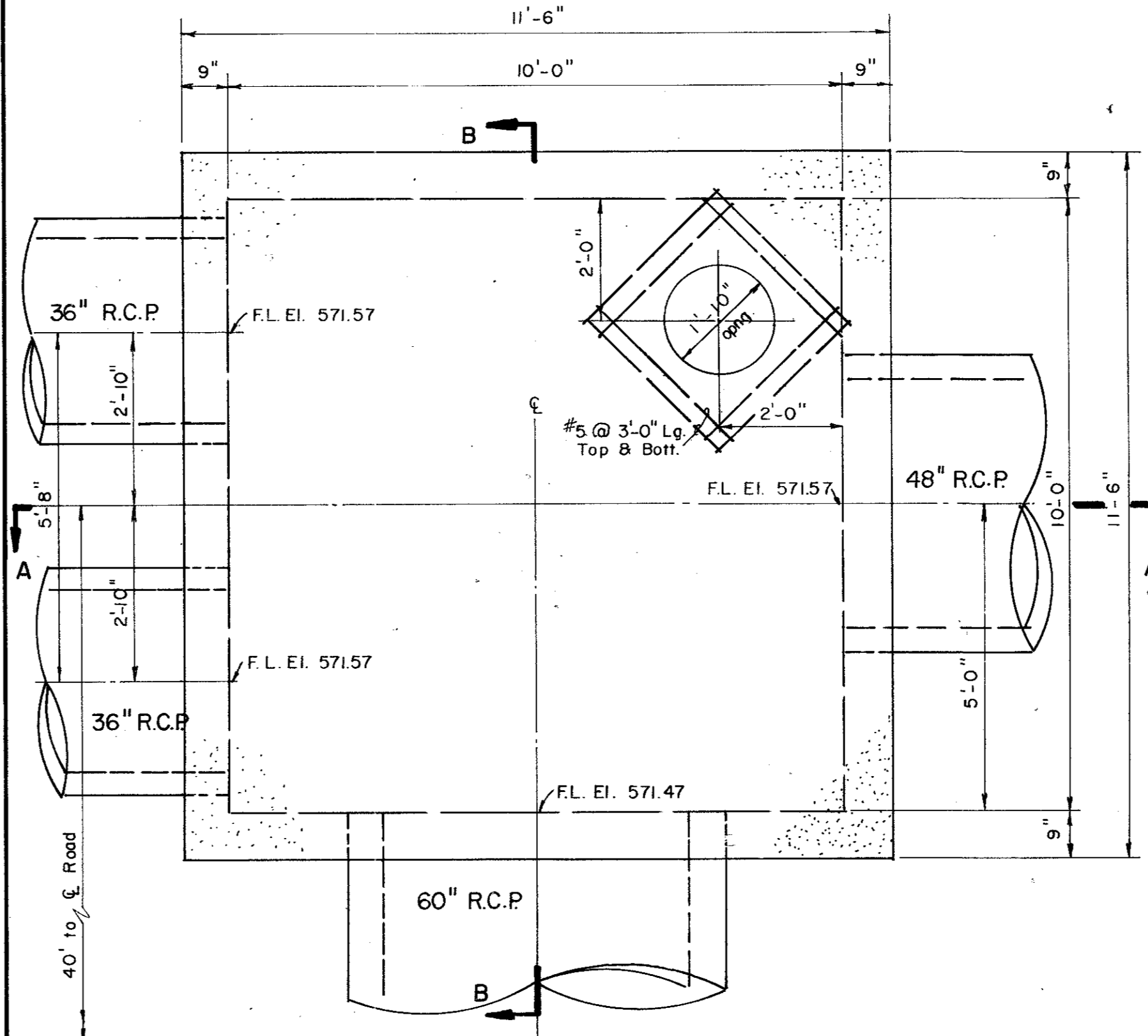
DRAINAGE DETAILS A

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



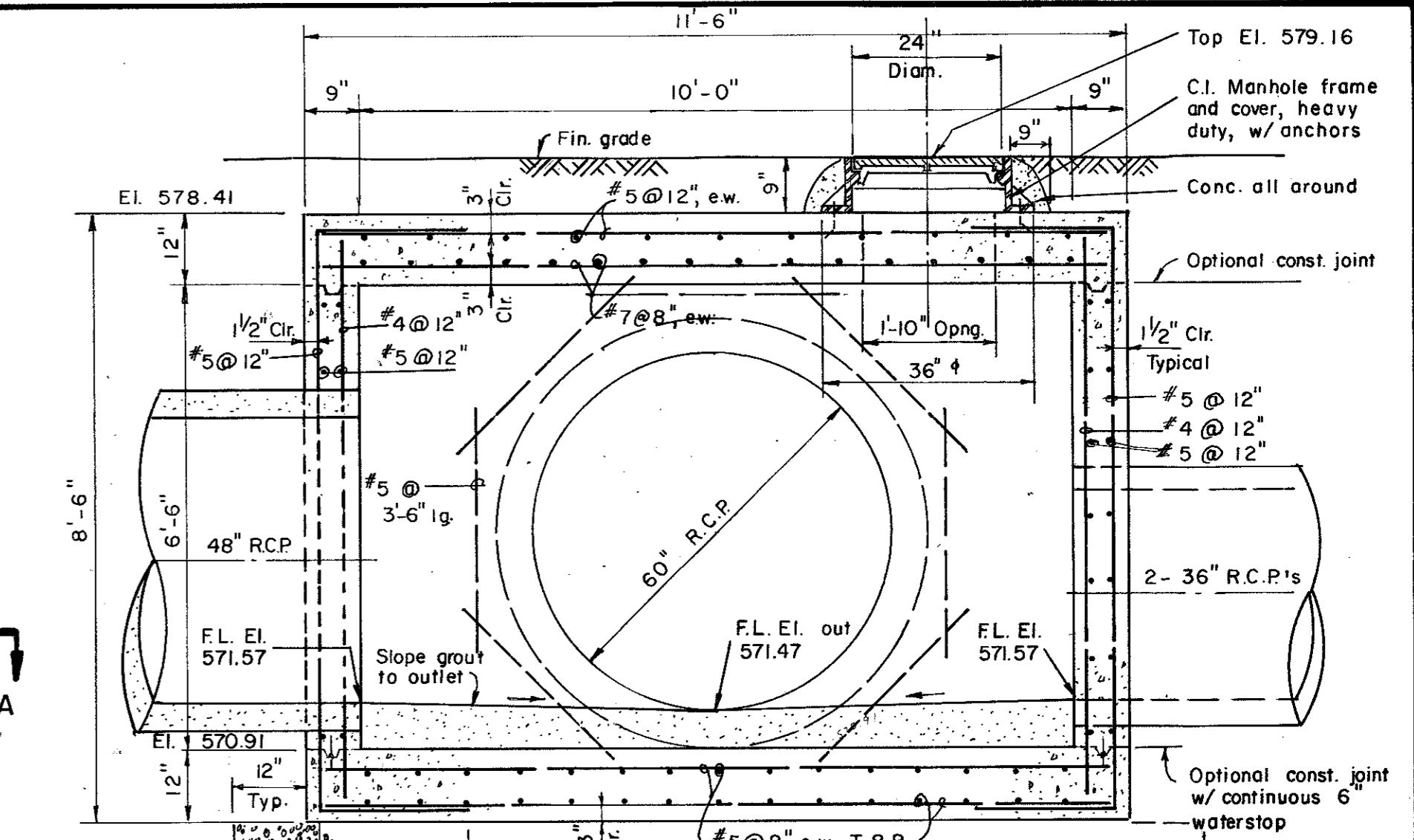
NOTE:
SEE STD. CURB INLET, DRAINAGE DETAILS FOR SECTION D-D, AND REINFORCING.



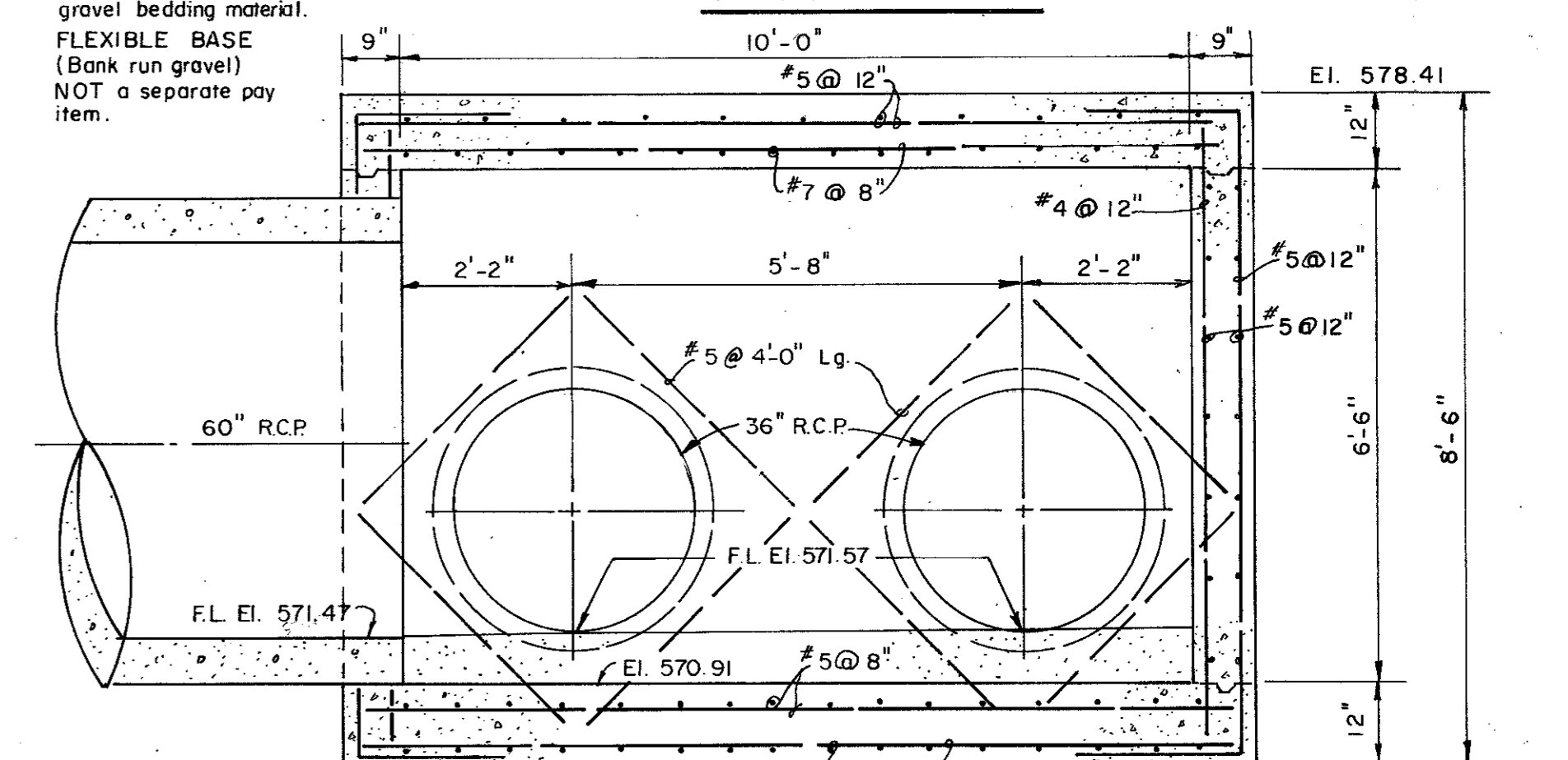
APPROXIMATE QUANTITIES
Class A Conc. 15.1 c.y.
Reinf. Steel 3456 Lbs.
Frame and cover 1 ea.

JUNCTION BOX AT STA. 17+50

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

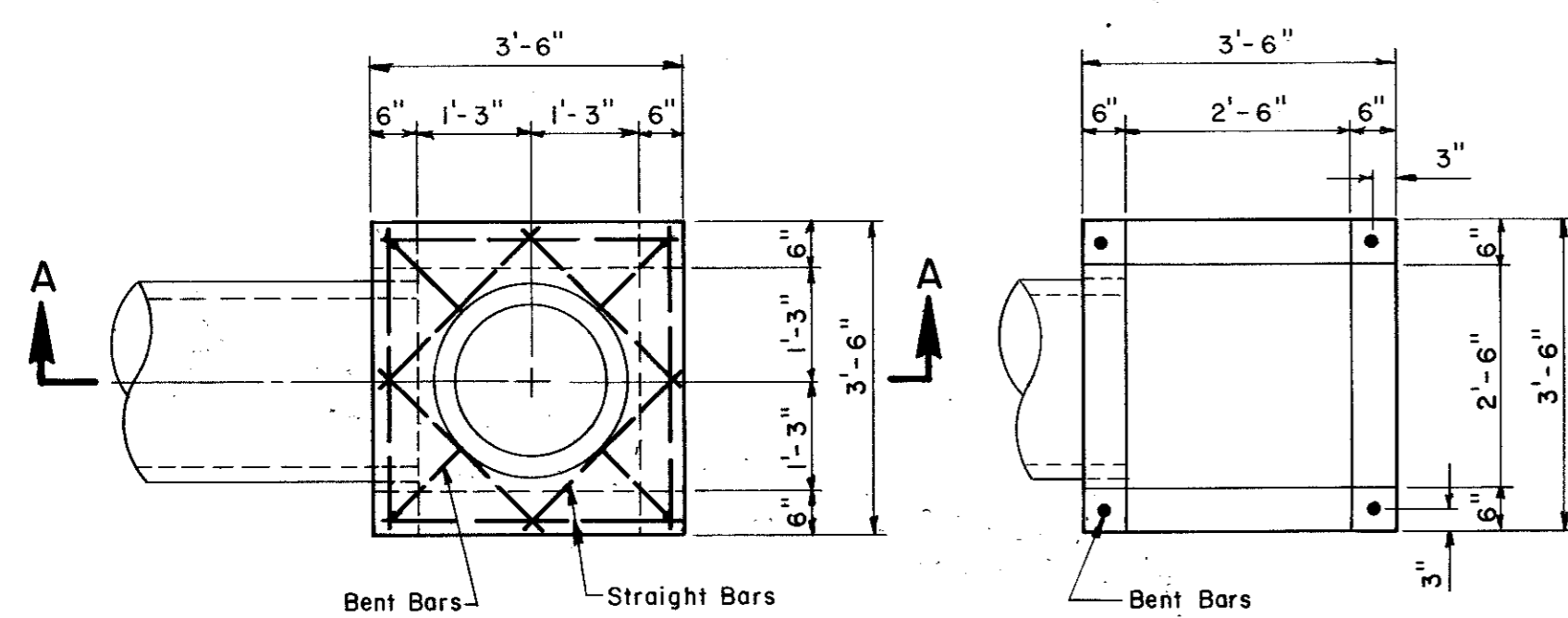


NOTE 1:
Overexcavate and backfill w/ 6" thk. gravel bedding material.
FLEXIBLE BASE (Bank run gravel)
NOT a separate pay item.



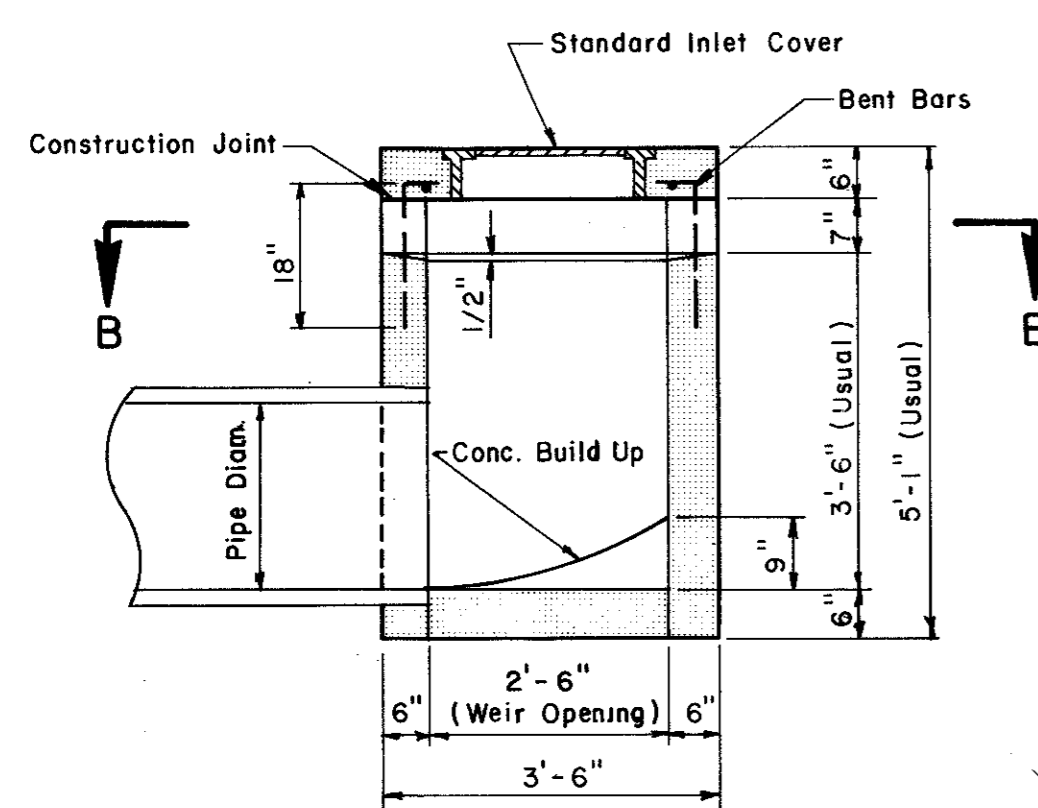
GENERAL NOTES

- All concrete shall be Class A, 3000 PSI concrete.
- 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.
- 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.
- 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.

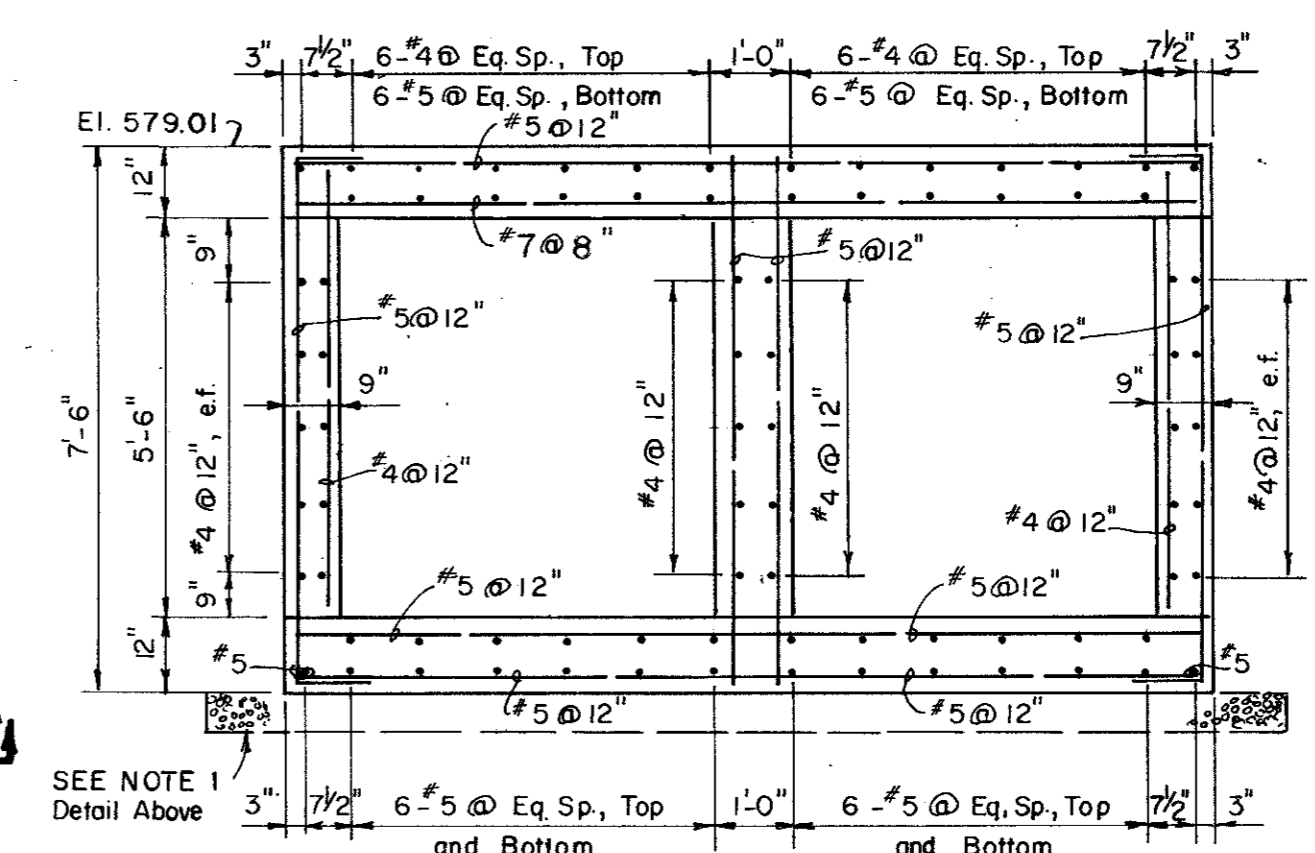
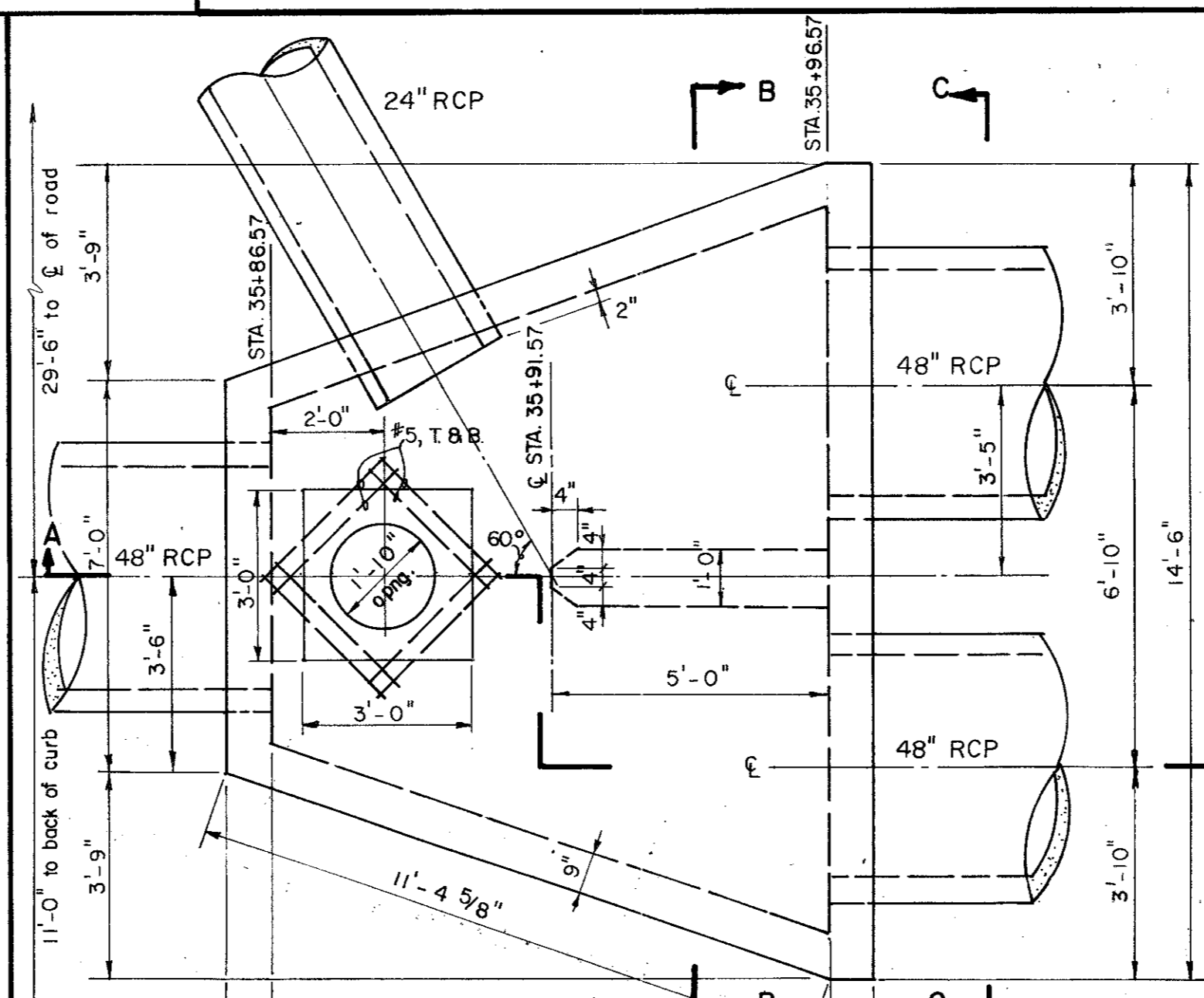


- NOTE:
- ALL REINFORCING SHALL BE #5 BARS.
 - ALL CONC. SHALL BE 3000 P.S.I.
 - TYPE "X" INLET - WEIR OPENING ARE REQUIRED ON 4 SIDES.
 - TYPE "Y" INLET - WEIR OPENING ARE REQUIRED ON 3 SIDES.

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.

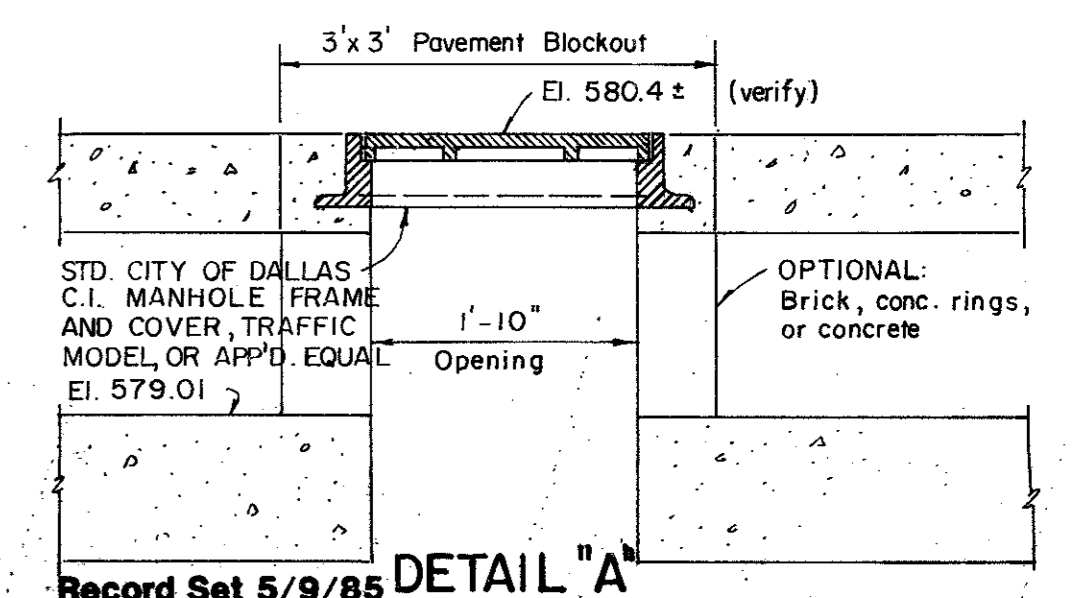
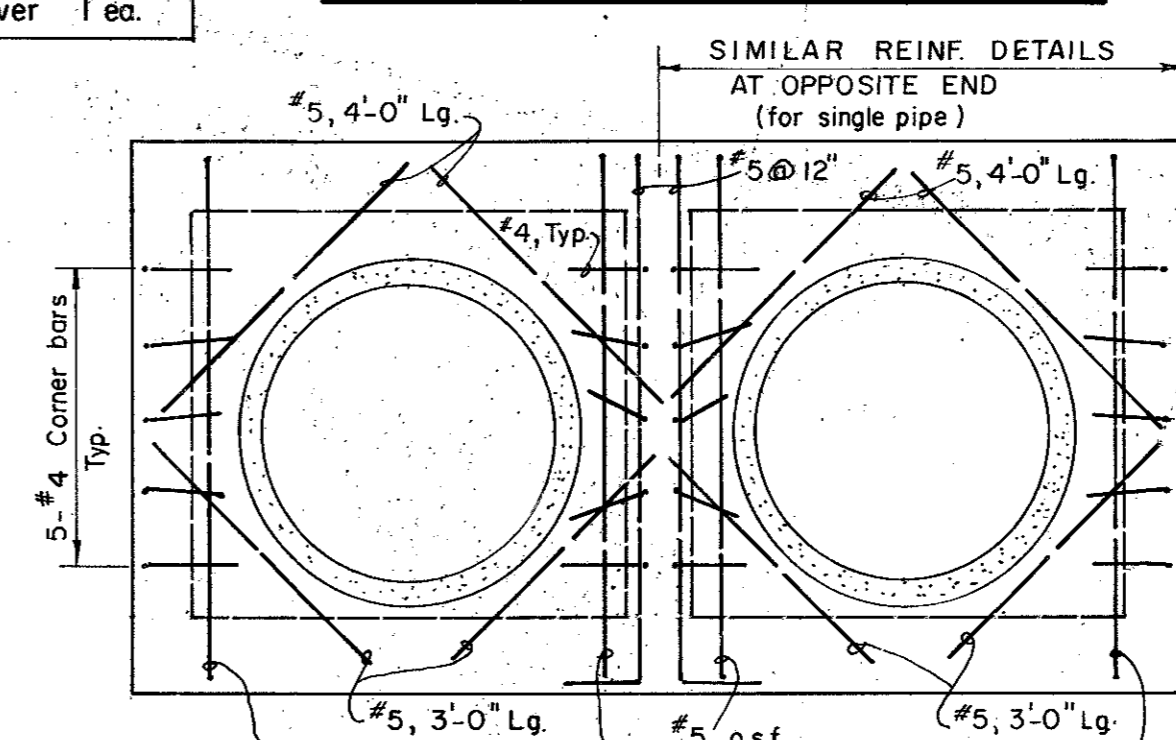
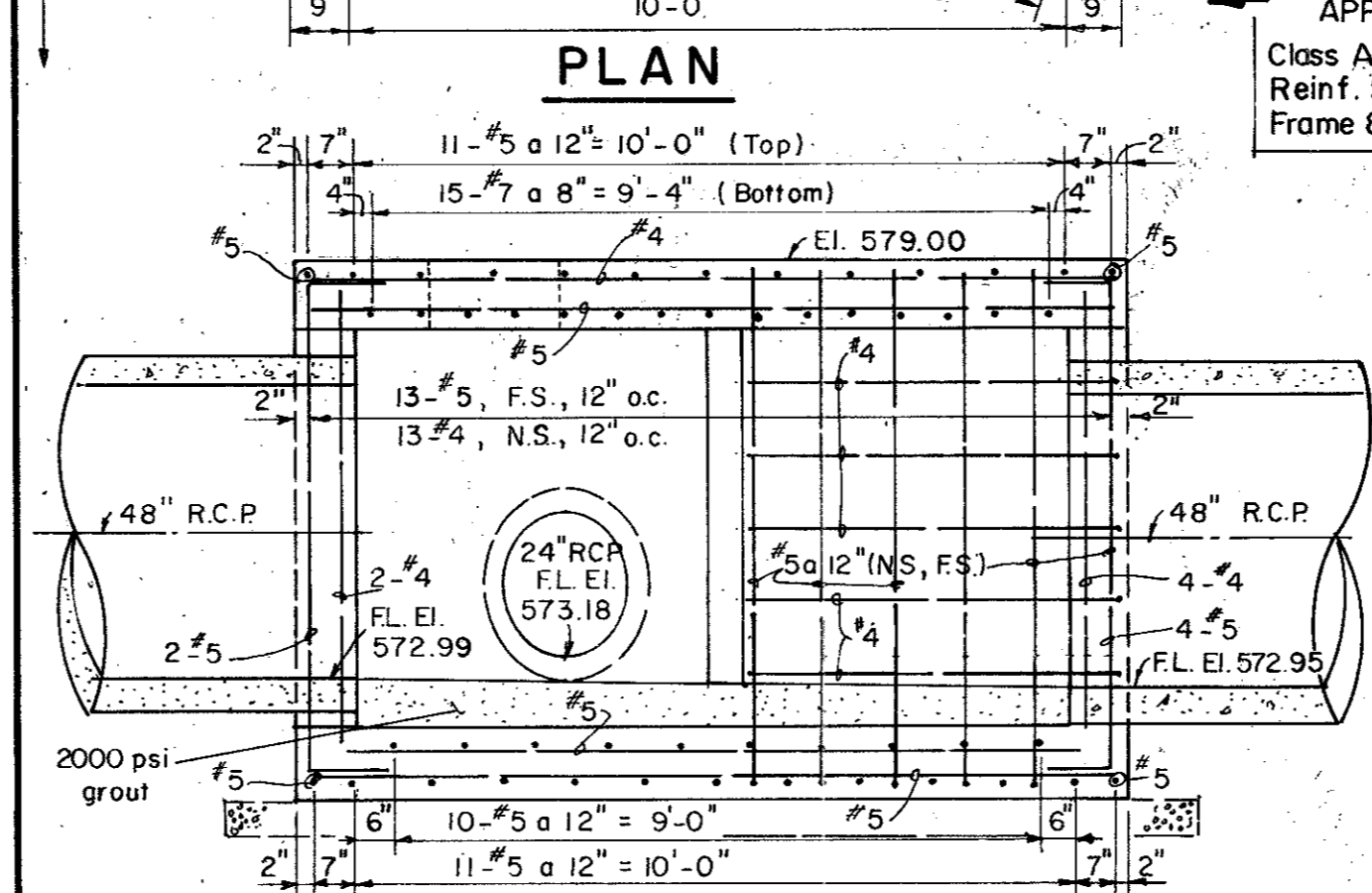


STANDARD TYPE "X" & "Y" INLET



JUNCTION BOX DETAIL AT STA. 35+91.57

APPROX. QUANT.
Class A Conc. 14.9 c.y.
Reinf. Steel - 1972 lbs.
Frame & cover 1 ea.



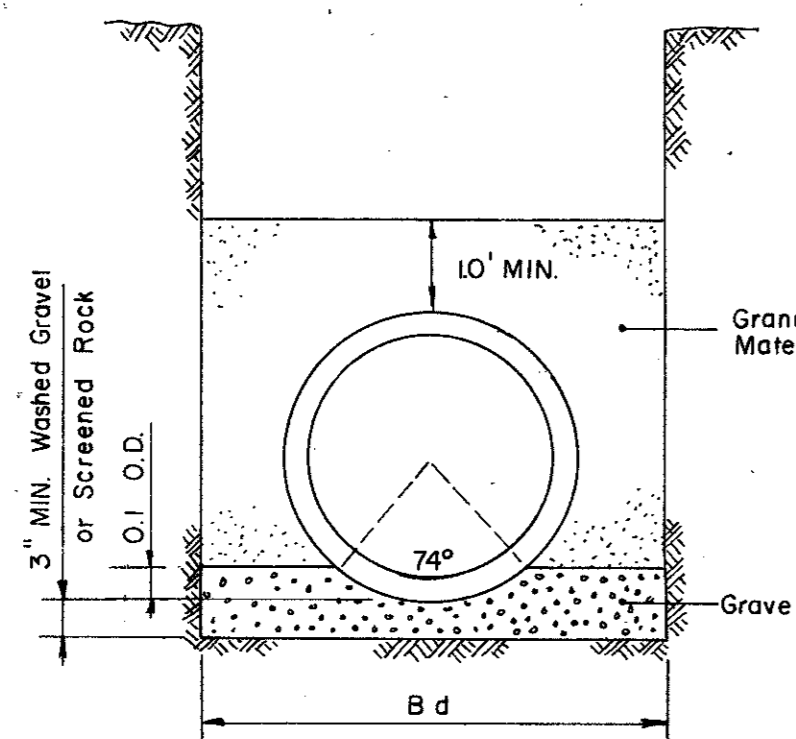
CITY OF ADDISON
DALLAS COUNTY, TEXAS

DRAINAGE DETAILS B

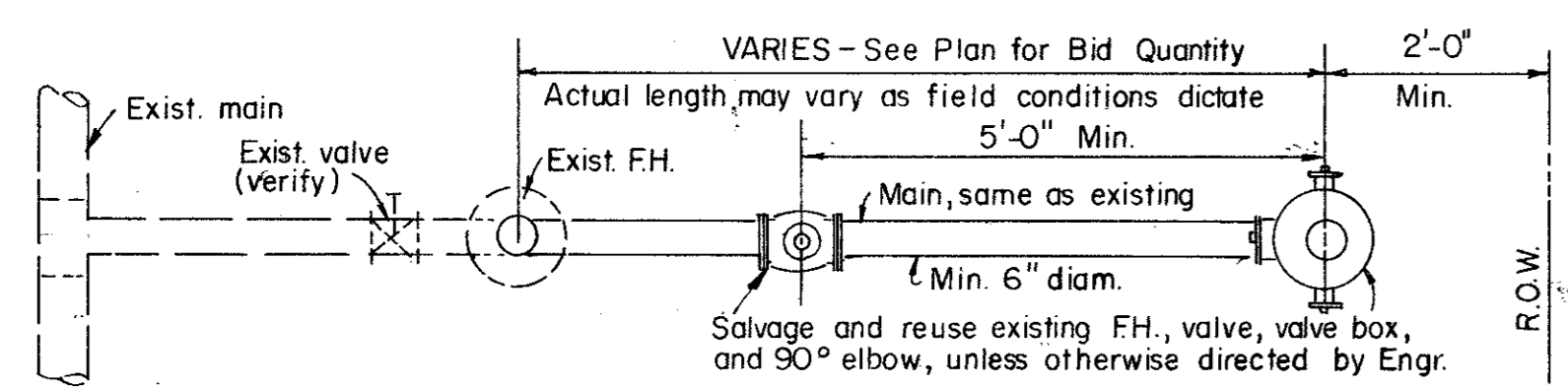
GINN, INC.
Consulting Engineers - Dallas, Texas

DESIGNED - G.F. DRAWN - SM, G.F. DATE _____ JOB NO. _____
APPROVED - H.G. CHECKED - G.F. SCALE NONE SHEET 29 OF _____

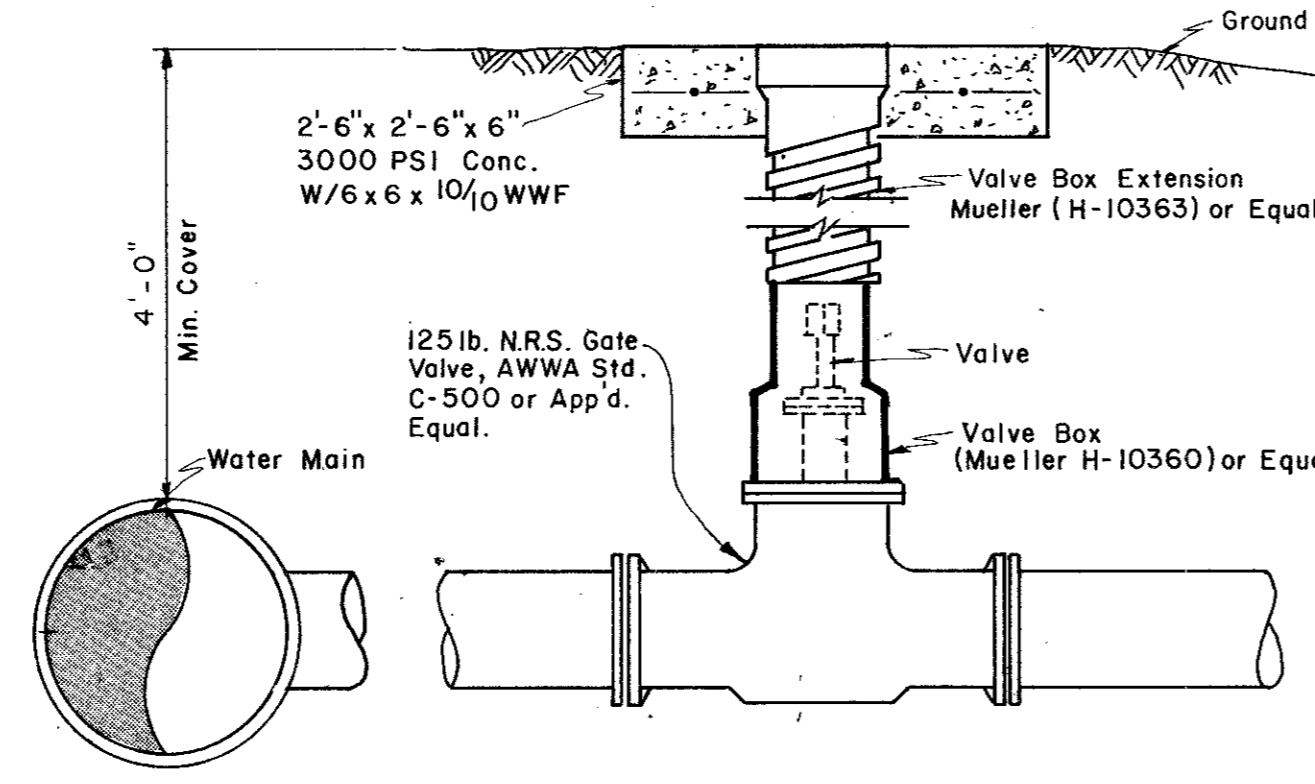
STORM SEWER EMBEDMENT					
PIPE DIAM.		Bd	CU. YDS. Per 100 L.F.		
I.D.	O.D.		GRAVEL	GRANULAR MATERIAL	
15"	19"	39"	4.53	22.28	
18"	22.5"	42"	5.13	25.15	
21"	26"	45"	5.76	28.03	
24"	29.5"	48"	6.42	30.94	
27"	33"	51"	7.11	33.86	
30"	37"	54"	7.85	36.72	
33"	40.5"	57"	8.59	39.64	
36"	44"	60"	9.36	42.58	
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	



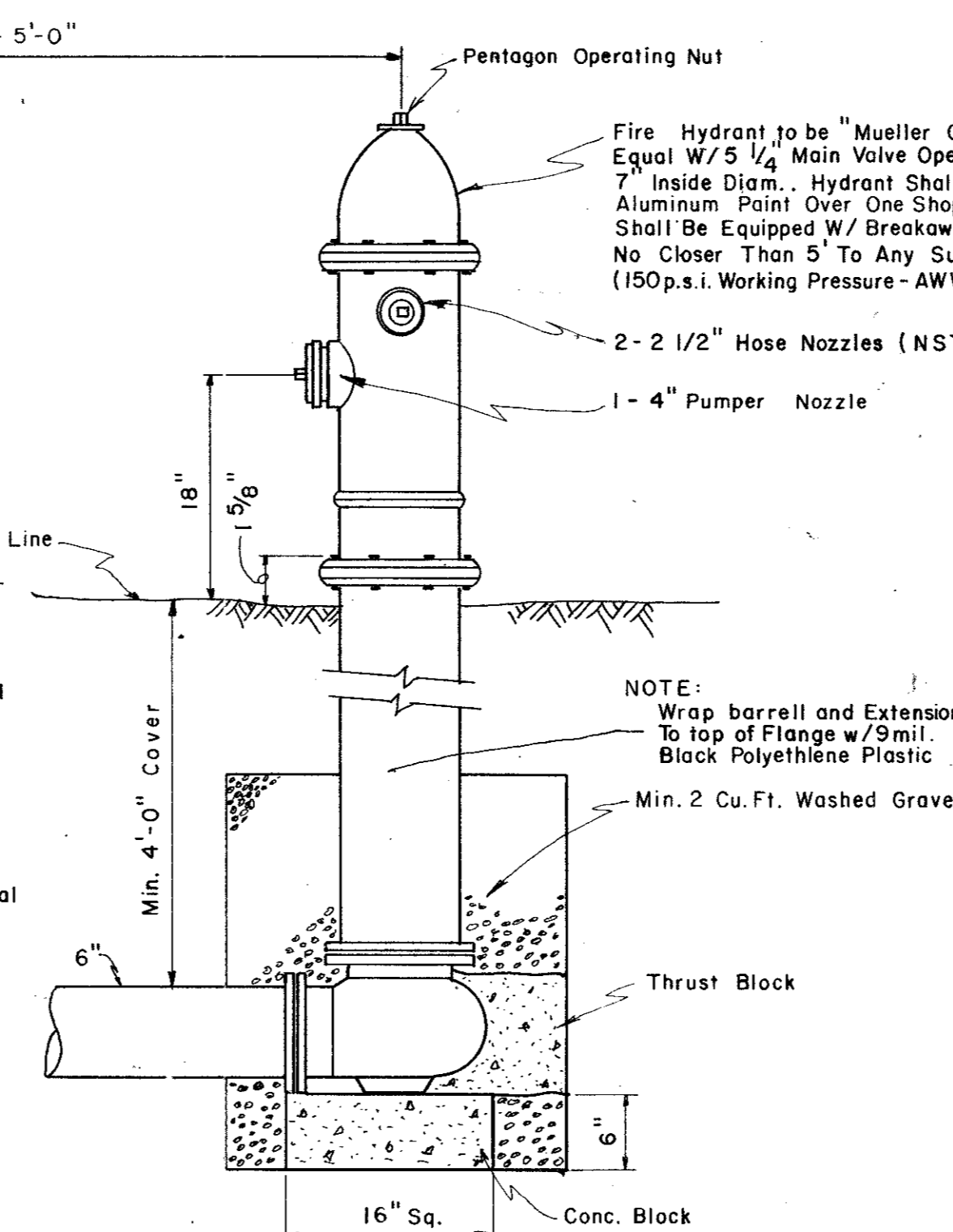
STORM SEWER EMBEDMENT



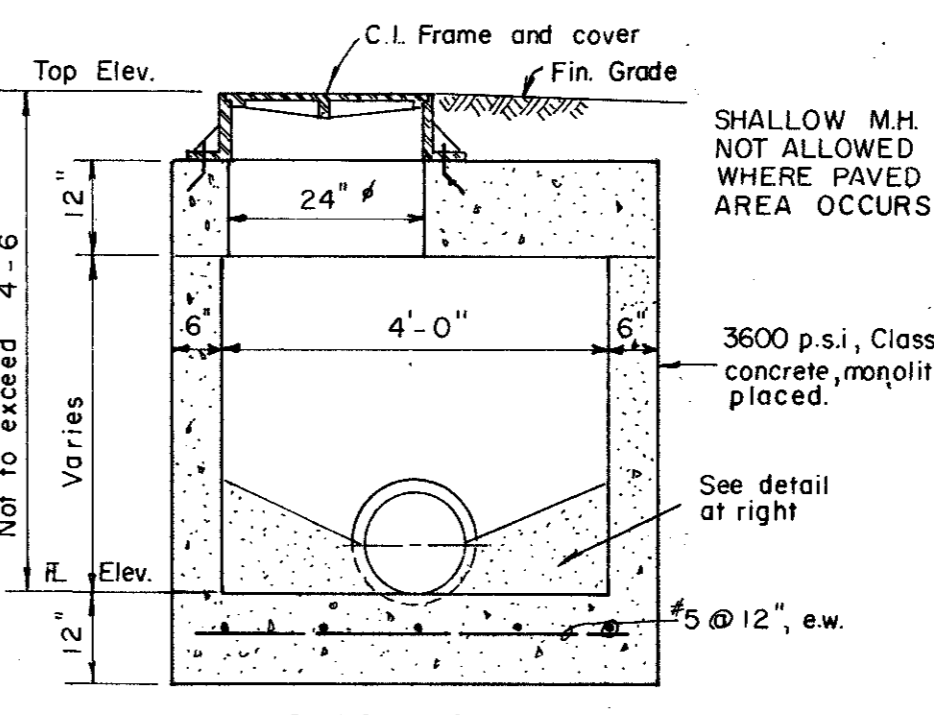
FIRE HYDRANT RELOCATION DETAIL



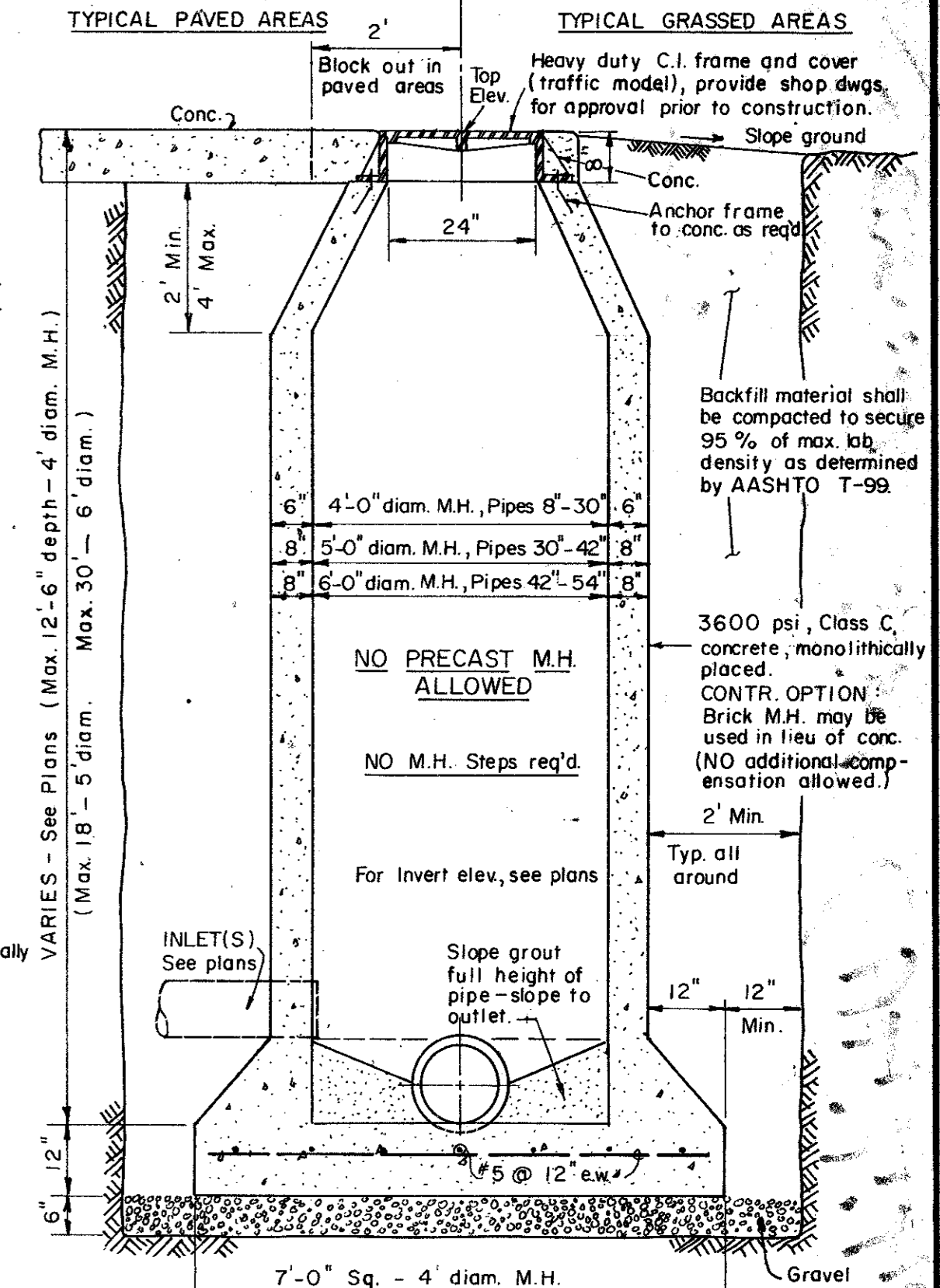
VALVE BOX DETAIL
(See Plans for "Main Size")



FIRE HYDRANT INSTALLATION
(Includes 6" Valve)

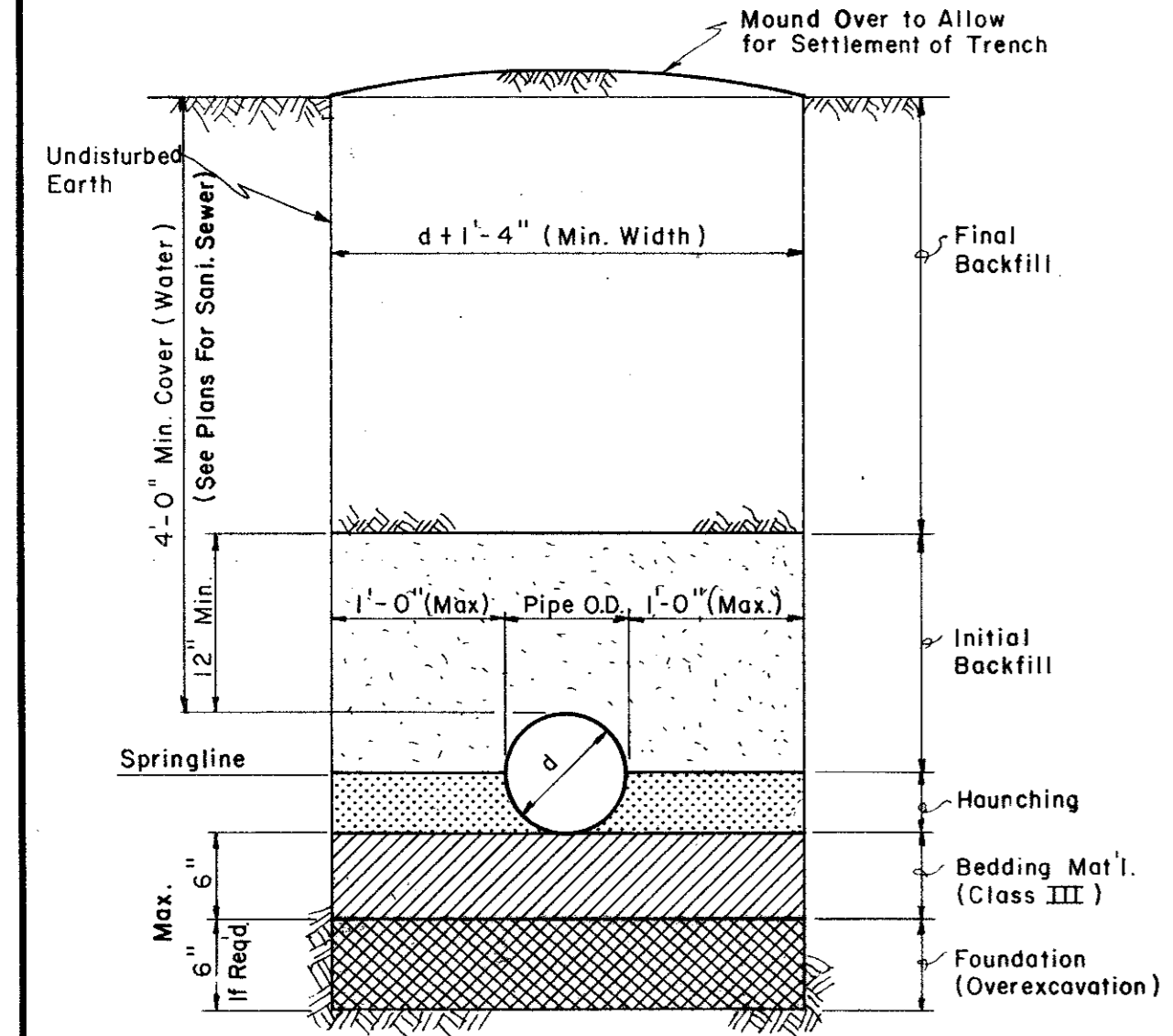


SHALLOW M.H.



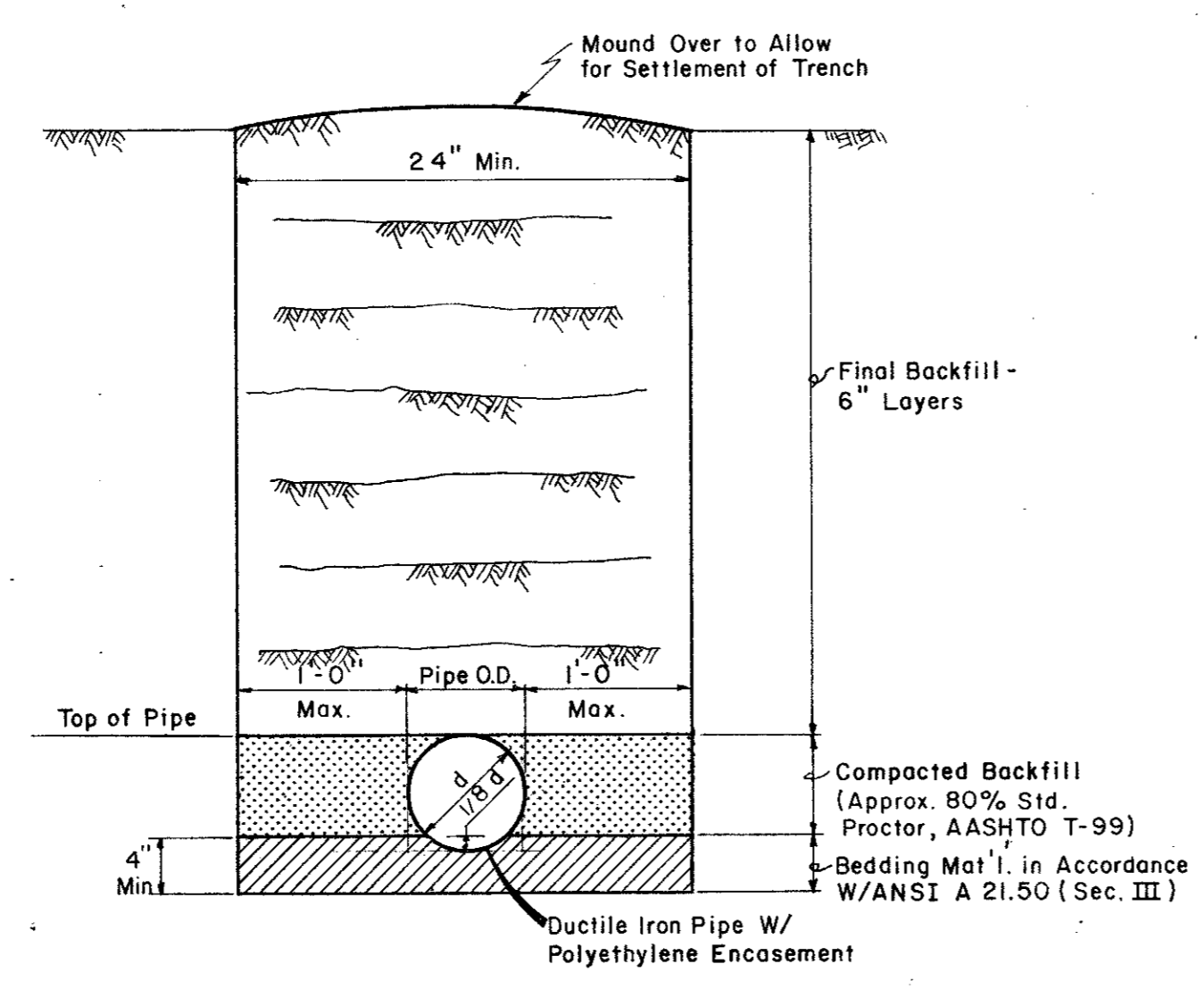
TYPICAL MANHOLE DETAILS

STANDARD M.H.



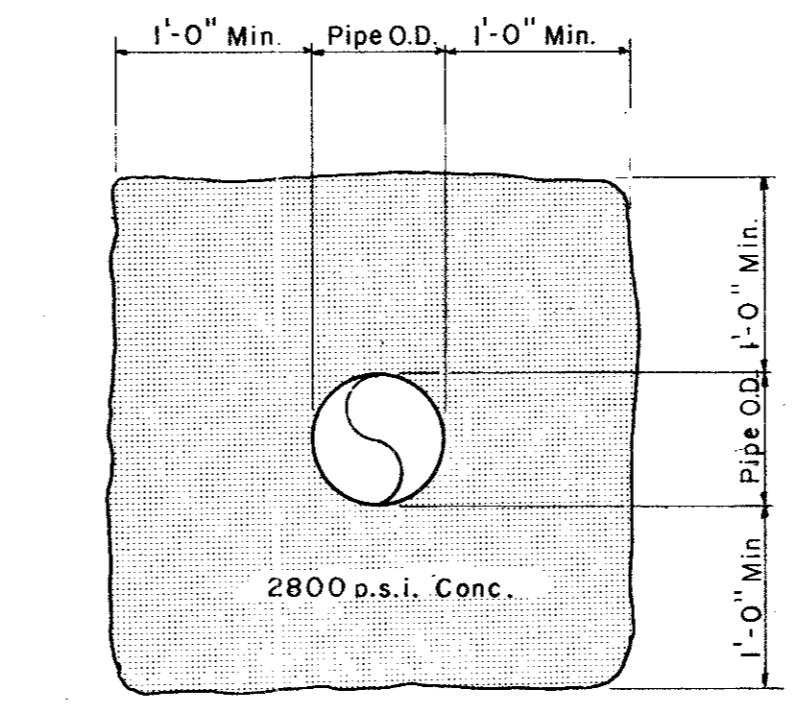
TYP. BACKFILL DETAIL (P.V.C)

Scale = 1" = 1'-0"

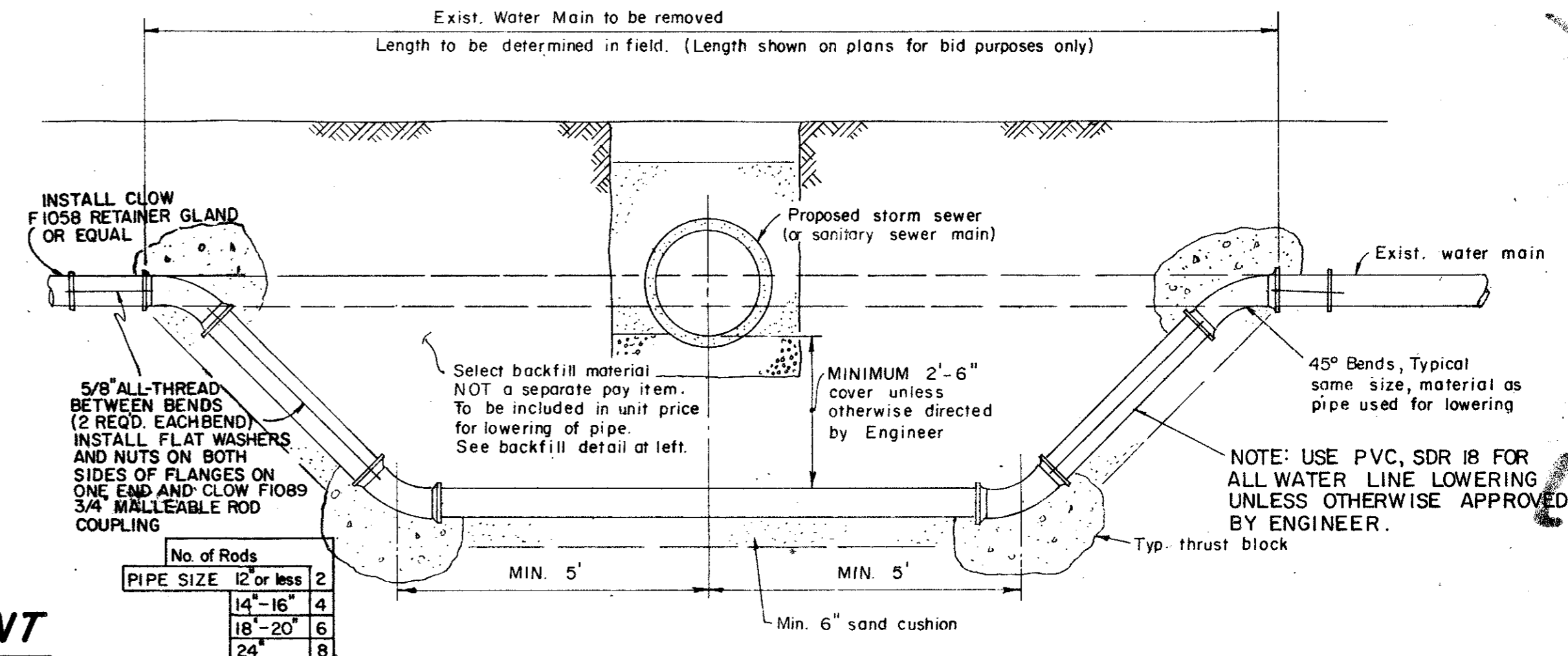


TYP. BACKFILL DETAIL (DUCTILE IRON PIPE)

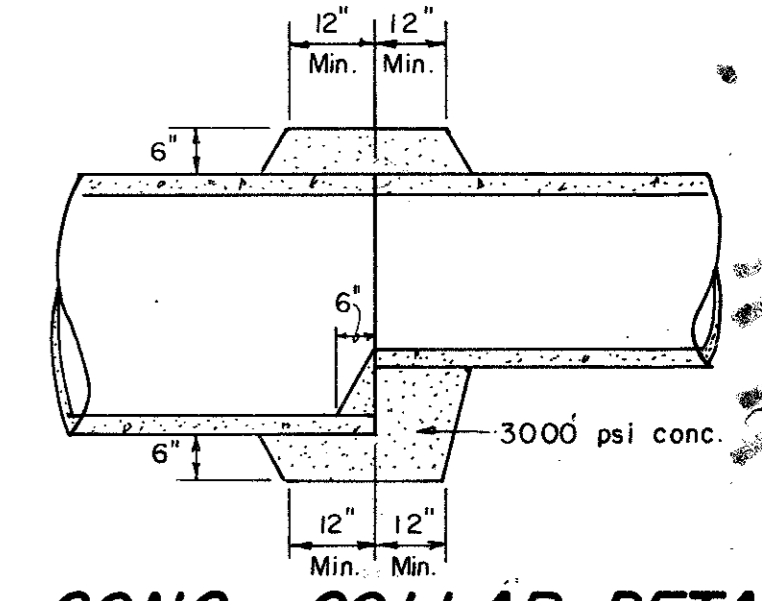
Scale = 1" = 1'-0"



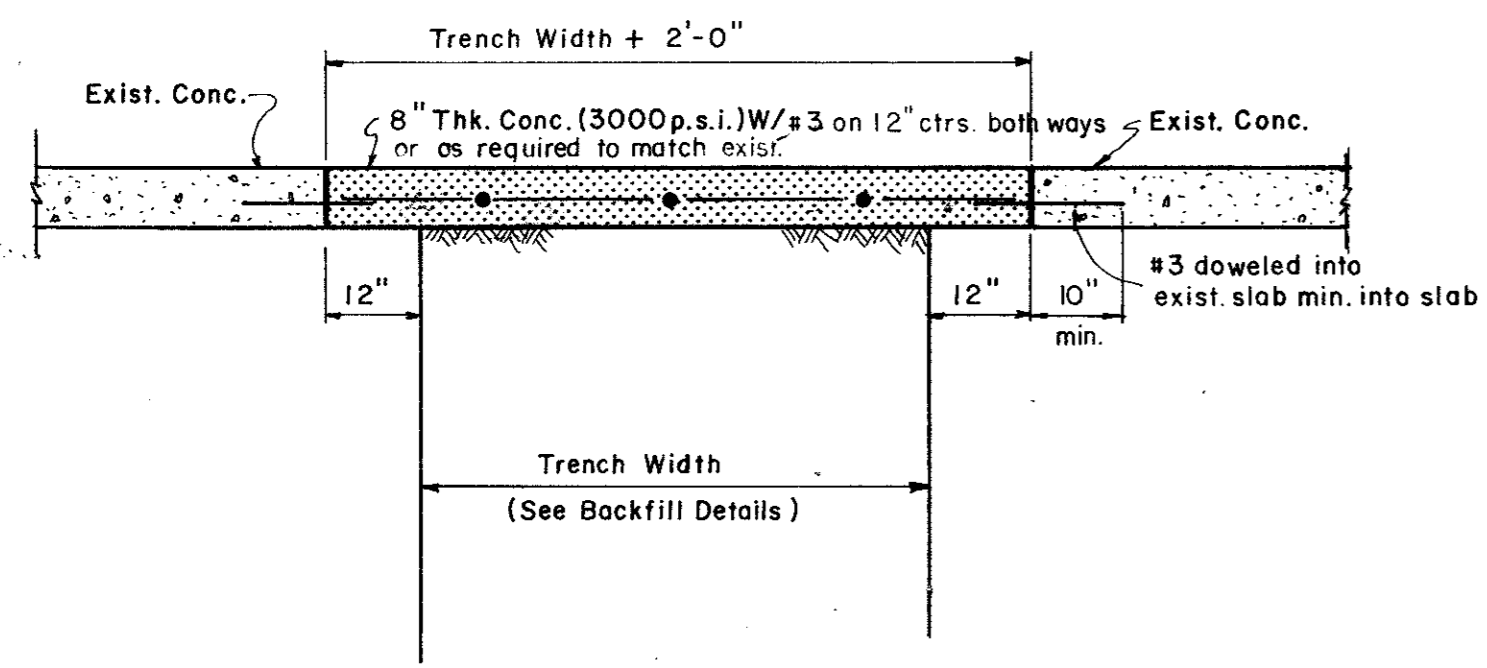
TYP. CONC. ENCASEMENT



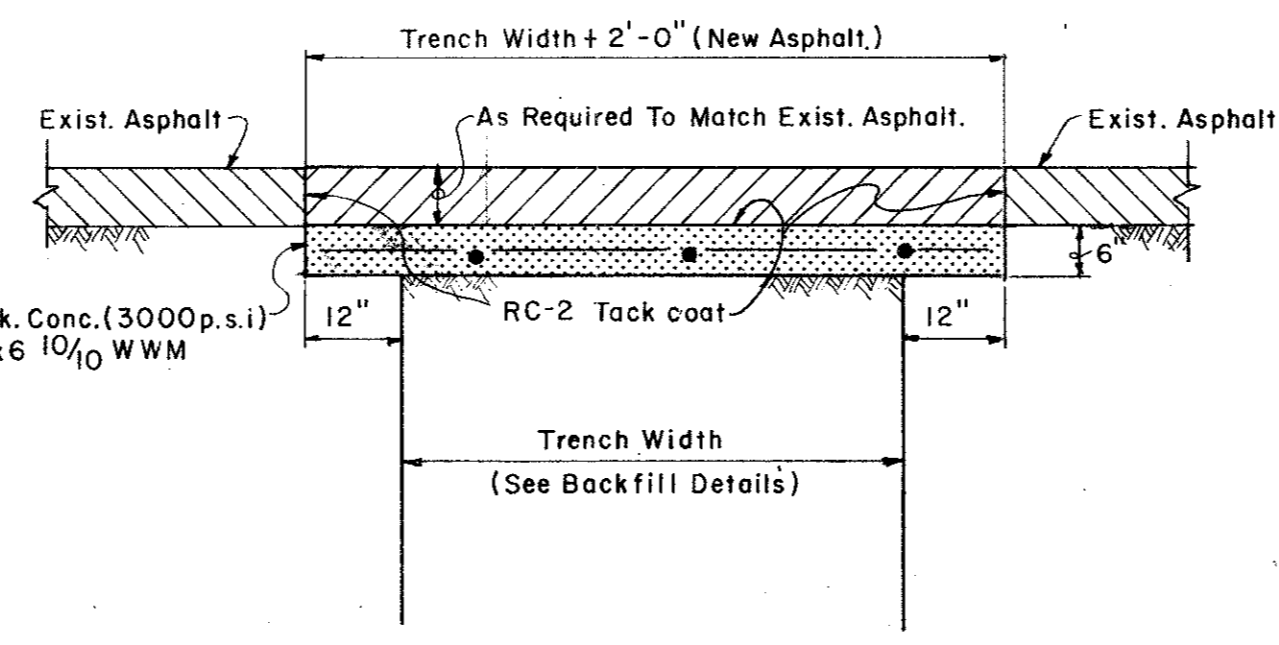
TYPICAL "LOWERING" DETAIL



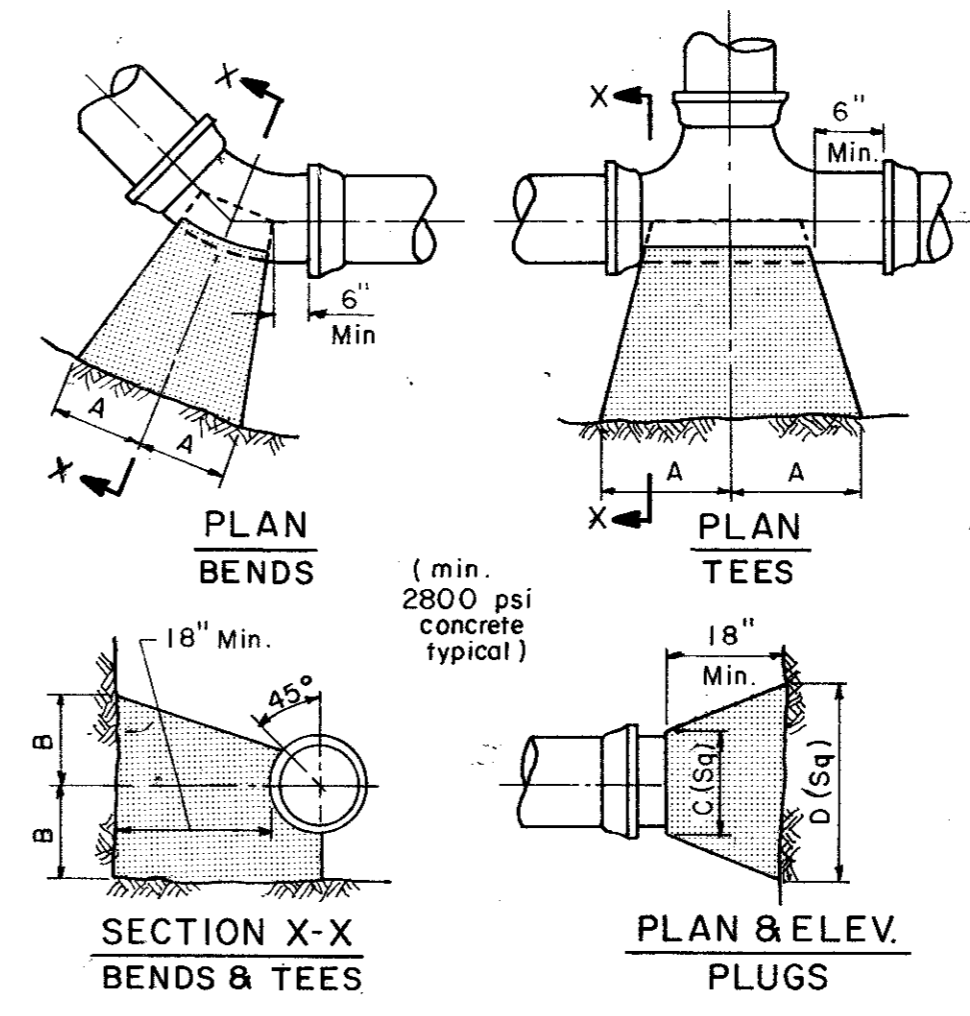
CONC. COLLAR DETAIL



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	C	D
4000 PSF	8"	12"	12"	8"	10"	9"	9"	12"	20"
2000 PSF	8"	22"	13"	12"	13"	8"	10"	13"	12"

Record Set 5/9/85

CITY OF ADDISON
DALLAS COUNTY, TEXAS

MISC. DETAILS

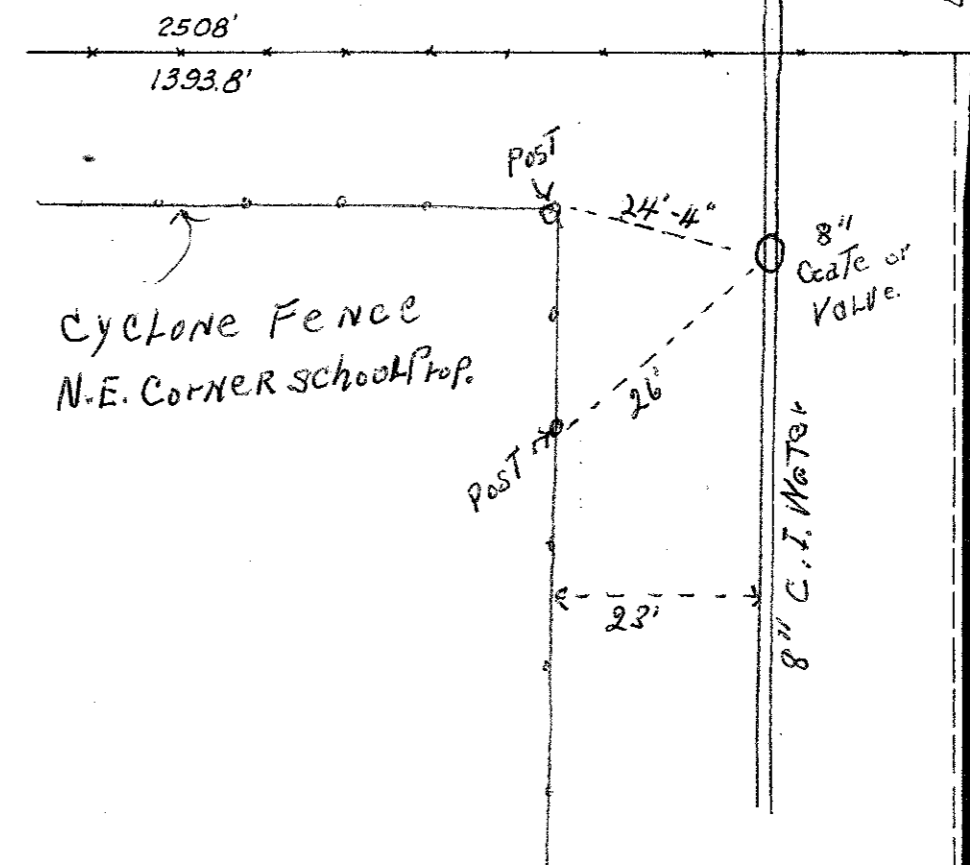
GINN, INC.
Consulting Engineers - Dallas, Texas

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



J.E. BUSH

JAS J LING
SANDERS H. CAMPBELL
ROBERT Mc CULLOCH
GEYDE SKEEN

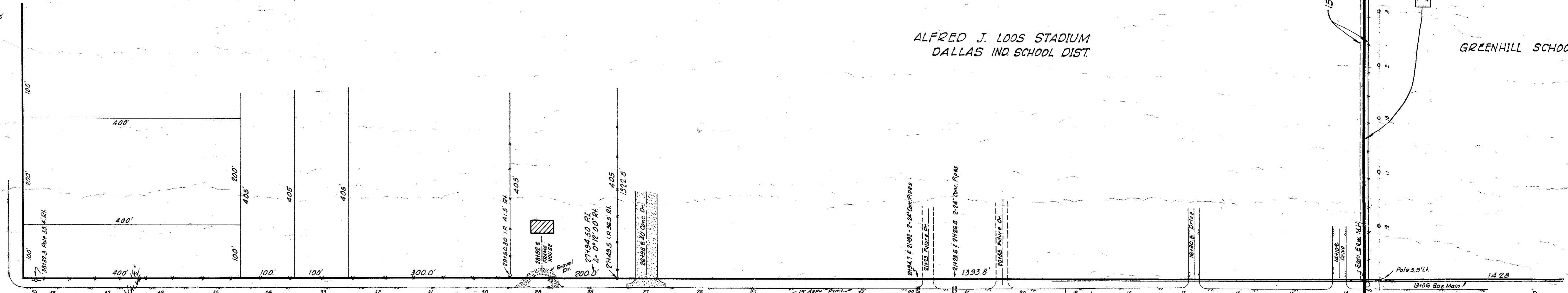


Rem. Plug Conn. to Exist 8\"/>

ALFRED J. LOOS STADIUM
DALLAS IND SCHOOL DIST.

GREENHILL SCHOOL CORP

LANE



SPRING VALLEY ROAD

Install 8\"/>

Install 8\"/>

8\"/>

HUMBLE STA. PARKING

MARSH

ROBERT S FOLSOM

CHARLES GORTNET

JUSTIN Mc CARTY REALTY CORP

BID WATER & SEWER MAINS TO
MR. R. S. FOLSOM
2001 Mc KINNEY
DUE SEPT. 2, 1965, 4:00 PM.

**WATER & SEWER MAINS
SPRING VALLEY ROAD AND
MARSH LANE
GREEN HAVEN
VILLAGE**

DESIGN	DRAWN	DATE	SCALE	NOTES	NO.
GADY LOVEN	B. GIBSON	JULY '65	1" = 20'	SEE	5-187