

CONSTRUCTION PLANS FOR

RATLIFF LANE IMPROVEMENTS

MAYOR :

Honorable JERRY REDDING

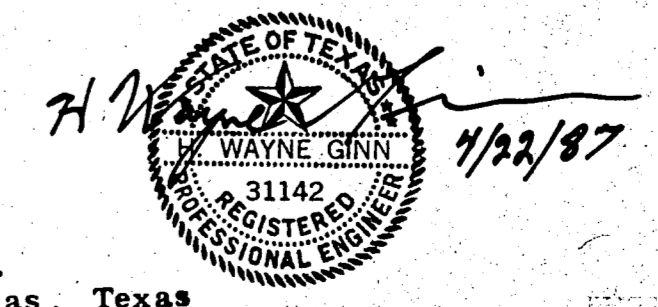
COUNCIL MEMBERS :

- RICHARD RODER, Mayor pro tem
- LYNN SPRULL
- BOBBY HATFIELD
- JOHN NOLAN
- JIM DUFFY

CITY MANAGER :

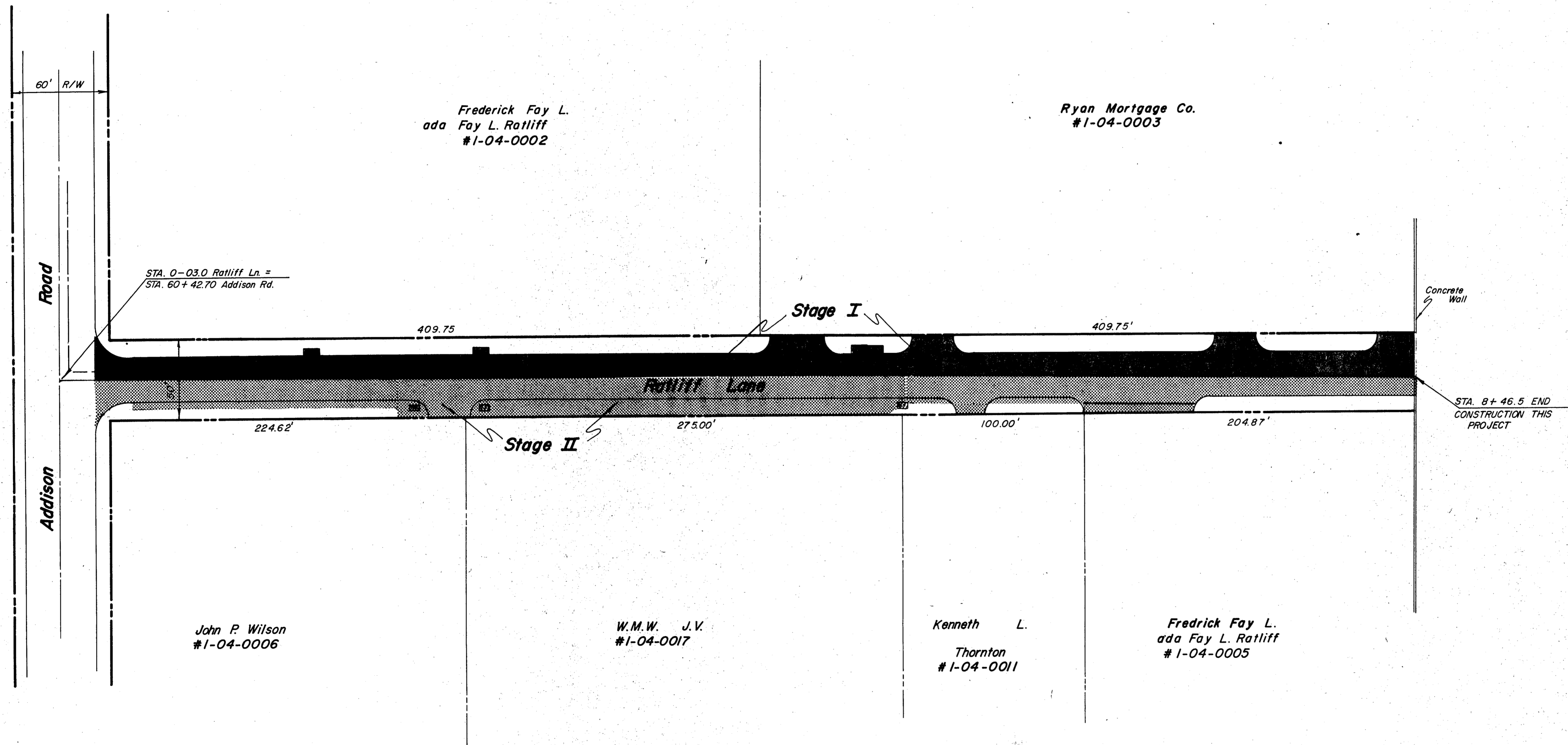
RON WHITEHEAD

Approved By : _____ Date : _____
Jerry Redding, Mayor of Addison



GINN, INC.
 Consulting Engineers Dallas, Texas
 MARCH 1987

RECORD DRWG.



LEGEND

-  STAGE I
-  STAGE II

SUGGESTED CONSTRUCTION SEQUENCE

PHASE I:

1. Verify all utilities (entire project). Arrange for relocations.
2. Switch two-way traffic onto north side of existing Ratliff Lane; construct storm sewer system south side of Ratliff Lane.
3. Construct concrete pavement and curb (south) half of Ratliff Lane (14' - b.c.).

PHASE II:

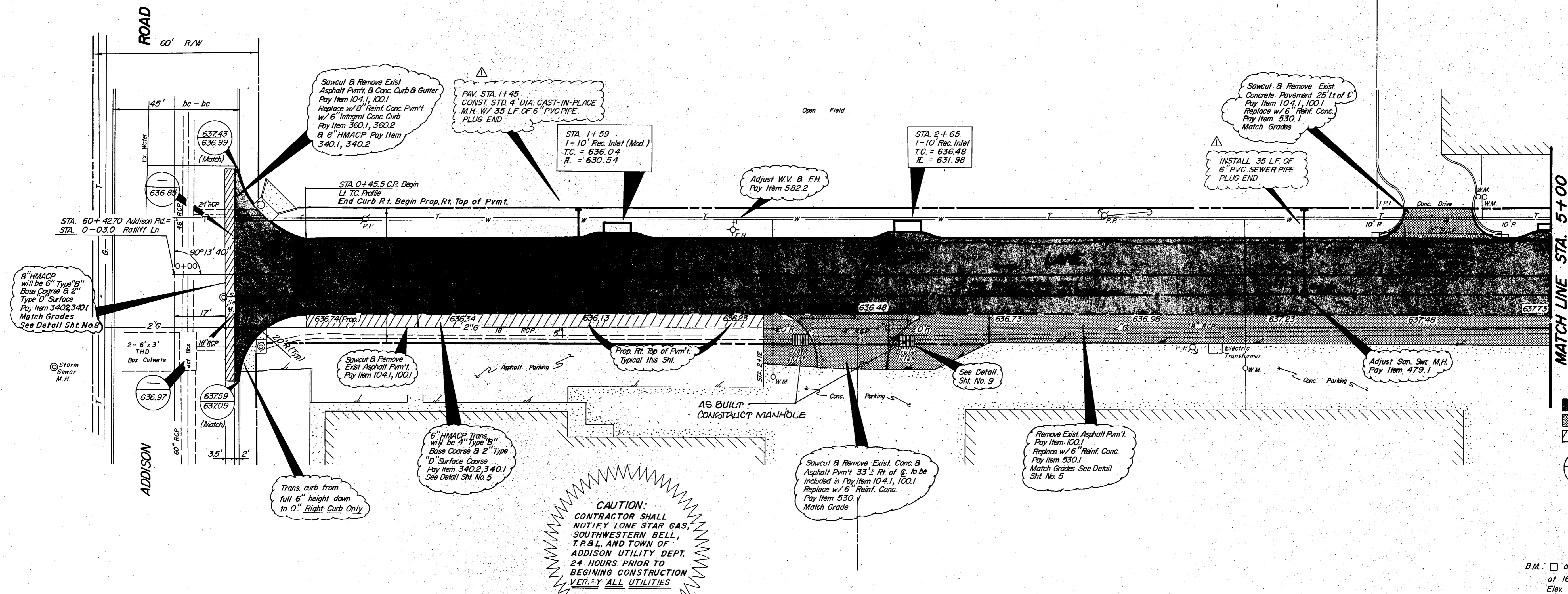
1. Switch traffic onto new concrete pavement of Ratliff Lane.
2. Adjust grate inlets to match prop. paving.
3. Construct concrete pavement (north) half of Ratliff Lane including both concrete and asphalt transitions.



Randall C. Hill
4-14-87

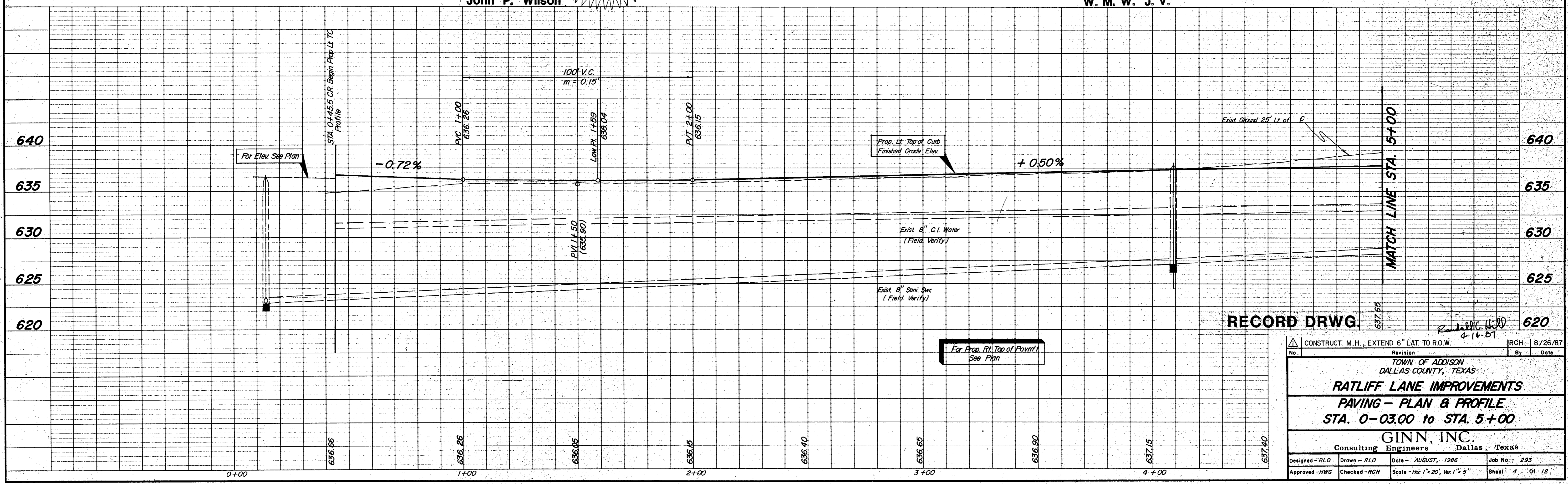
RECORD DRWG.

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
RATLIFF LANE IMPROVEMENTS			
CONSTRUCTION SEQUENCE & PROPERTY OWNERSHIPS			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RLO	Drawn - RLO	Date - NOVEMBER, 1986	Job No. - 293
Approved - HWG	Checked - RCH	Scale - 1" = 40'	Sheet 3 OF 12



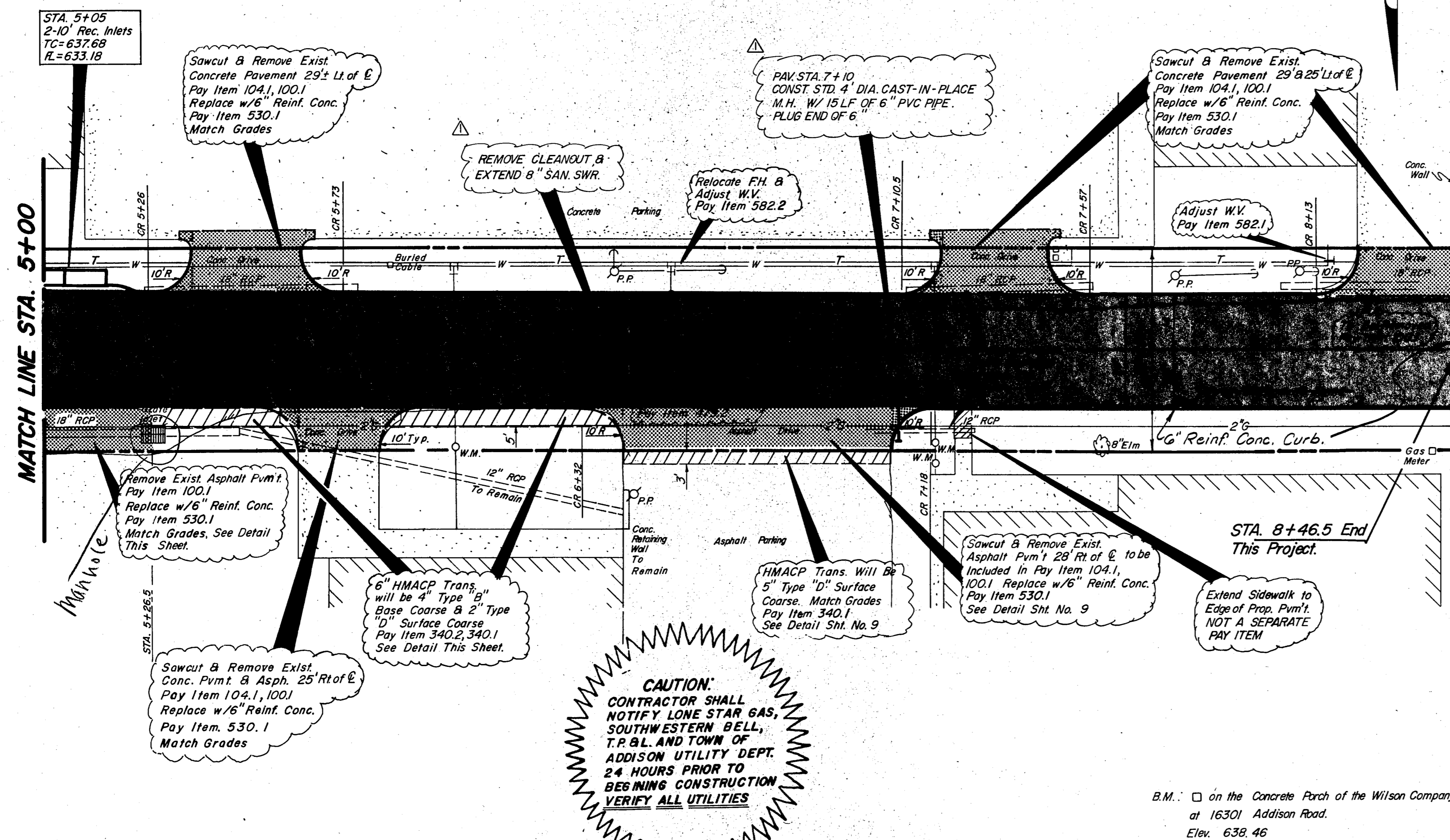
John P. Wilson

W. M. W. J. V.



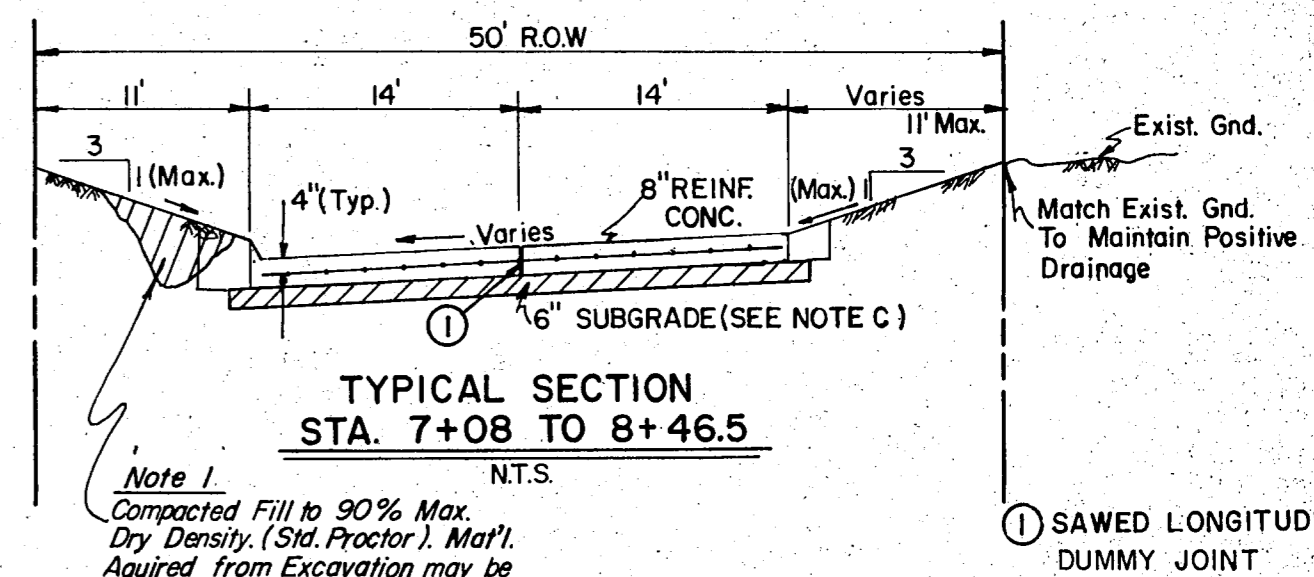
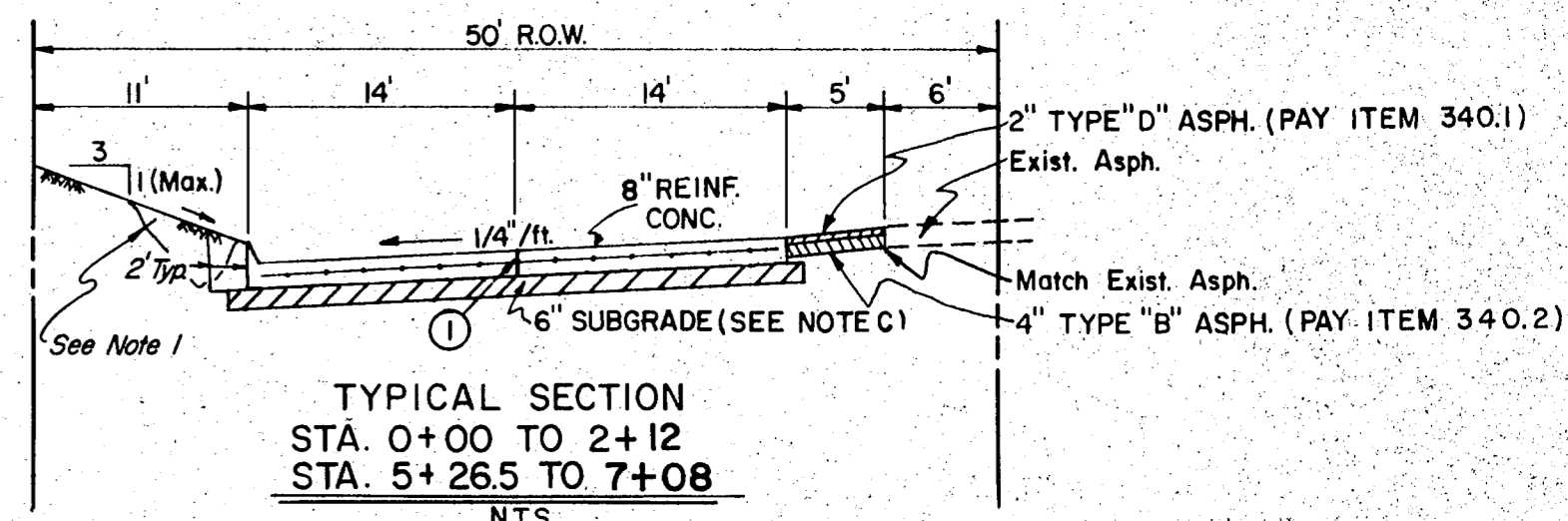
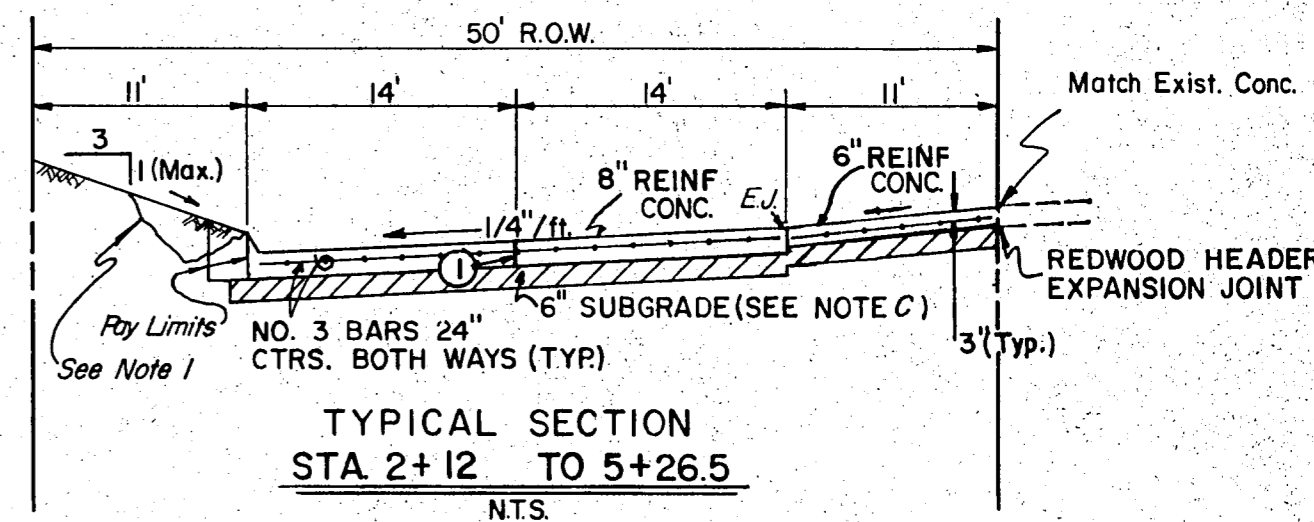
RECORD DRWG.

CONSTRUCT M.H., EXTEND 6" LAT. TO R.O.W.		IRCH	8/26/87
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
RATLIFF LANE IMPROVEMENTS			
PAVING - PLAN & PROFILE			
STA. 0-03.00 to STA. 5+00			
GINN, INC.			
Consulting Engineers, Dallas, Texas			
Designed - RLO	Drawn - RLO	Date - AUGUST, 1986	Job No. - 293
Approved - HWG	Checked - RCH	Scale - Hor 1" = 20', Ver 1" = 5'	Sheet 4 of 12



GENERAL NOTES

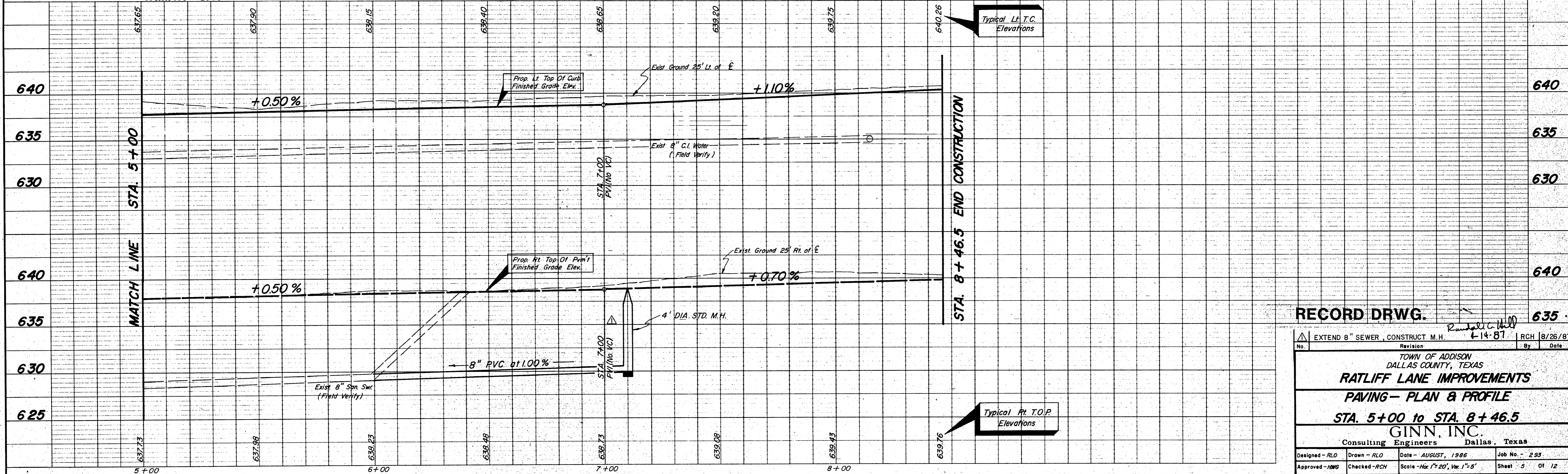
- A. General
 - Pavement thickness for street shall be as specified on typical sections.
- Standard Specifications
- B. Reinforced Concrete Pavements (3000 psi (5 Sack Mix) @ 28 days)
 1. All curbs shall be placed integral with pavement.
 2. Curbs shall meet the same compressive strength as specified for the concrete pavement.
 3. Detail and Arrangement of Joints, all types, shall be as shown on the Paving detail Sht. - Sht. No. 7 or as approved by Engineer.
 4. Bar laps shall be 30 diameters.
- C. Subgrade
 - Subgrade under all pavement shall be 6 inches thick and shall be stabilized with 6 percent by weight of hydrated lime (27 lbs/s-y.) and compacted to a density not less than 95 percent as determined by A.A.S.H.O. T-99. Laboratory tests may be submitted to the Engineer for approval to lower amount of lime required.
- D. Bar chairs or an approved supporting device shall be furnished.
- E. Cross slope shall be 1/4" per foot unless otherwise noted or approved by Engineer.



W.M.W. J.V.

Kenneth L. Thornton

T. F. Stone Companies, Inc.



RECORD DRWG.

EXTEND 8" SEWER, CONSTRUCT M.H.		4-14-87		RCH 18/26/87	
Revision		By		Date	
TOWN OF ADDISON DALLAS COUNTY, TEXAS					
RATLIFF LANE IMPROVEMENTS					
PAVING - PLAN & PROFILE					
STA. 5+00 to STA. 8+46.5					
GINN, INC.					
Consulting Engineers Dallas, Texas					
Designed - RLO	Drawn - RLO	Date - AUGUST, 1986	Job No. - 293		
Approved - HWG	Checked - RCH	Scale - 1/4" = 20', Ver. 1" = 5'	Sheet - 5 of 12		

RUNOFF COMPUTATIONS

AREA		TOTAL CA	T _c Minutes (10 min minimum)	10 YR.		100 YR.	
NO.	ACRES			I ₁₀ in./hr.	Q ₁₀ cfs.	I ₁₀₀ in./hr.	Q ₁₀₀ cfs.
1	1.10	0.99	10	5.7	5.6	7.8	7.7
2	1.90	1.71			9.7		13.3
3	2.13	1.92			10.9		15.0
4	1.45	1.37			7.5		10.2

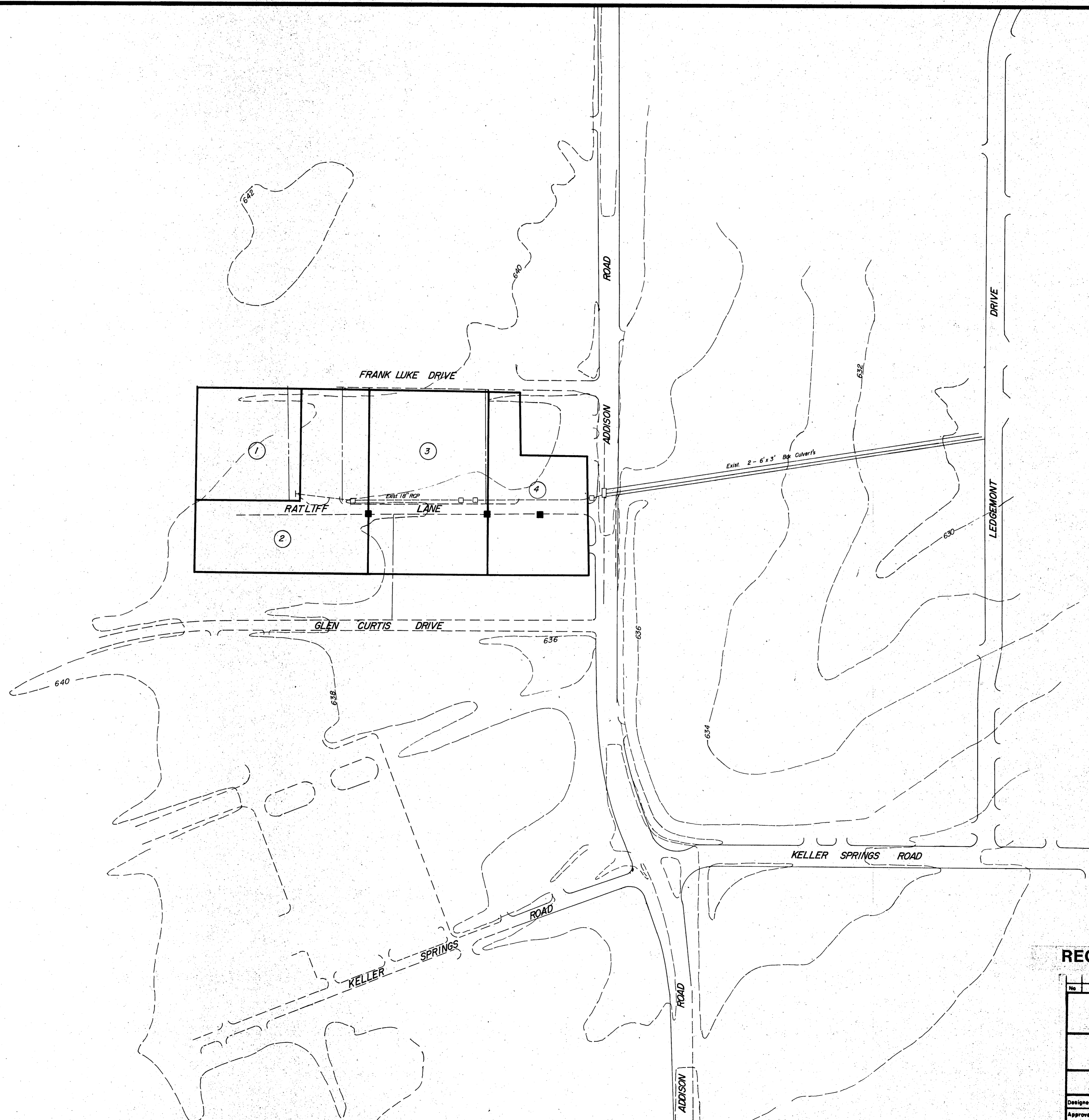
$Q = A \times C \times I$

Where: Q = Flow in cfs

A = Area, See Table

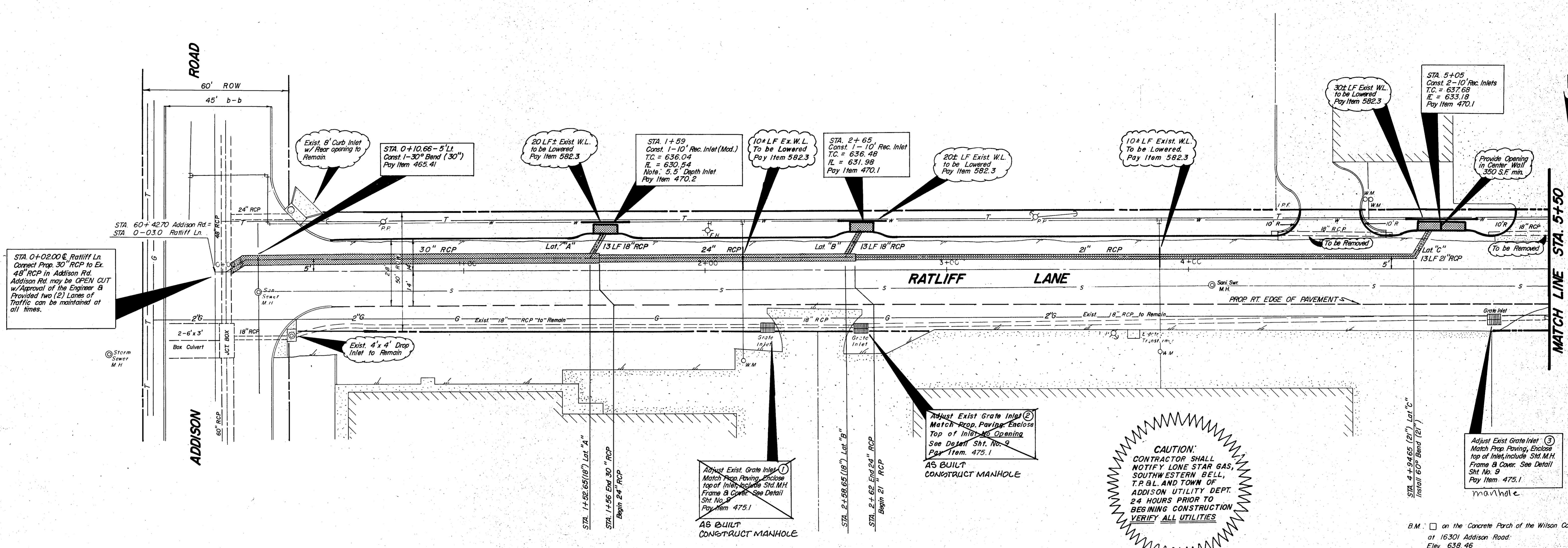
C = 0.90

I = Intensity, See Table



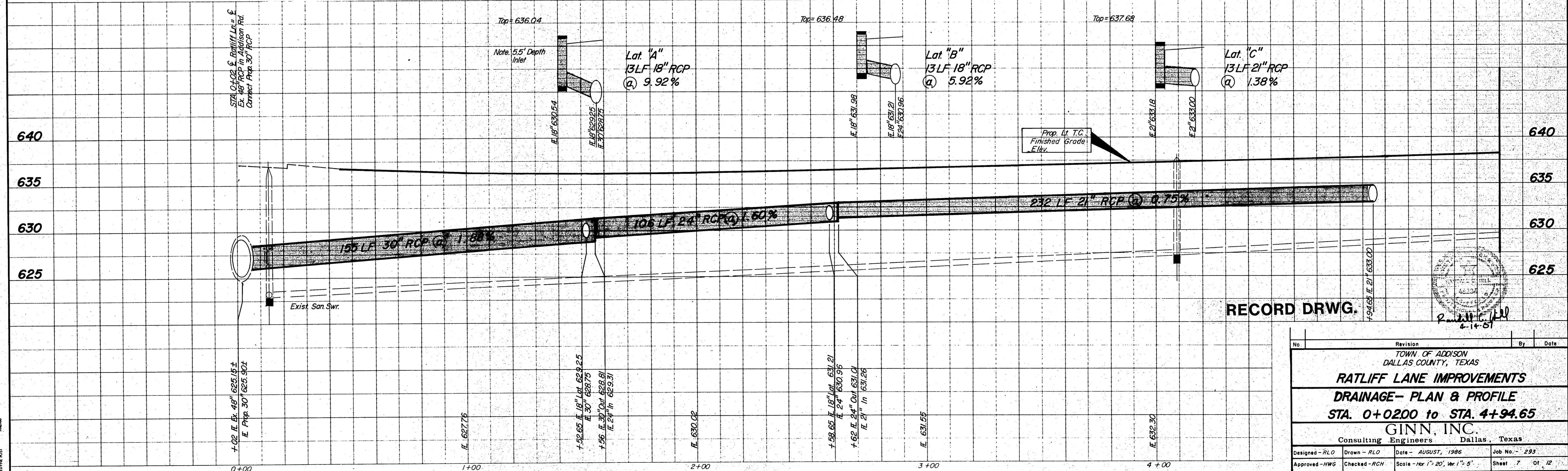
RECORD DRWG.

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS RATLIFF LANE IMPROVEMENTS			
DRAINAGE AREA MAP			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RLO	Drawn - RLO	Date - September, 1986	Job No. - 293
Approved - HWG	Checked - RCH	Scale - 1" = 100'	Sheet 6 OF 12



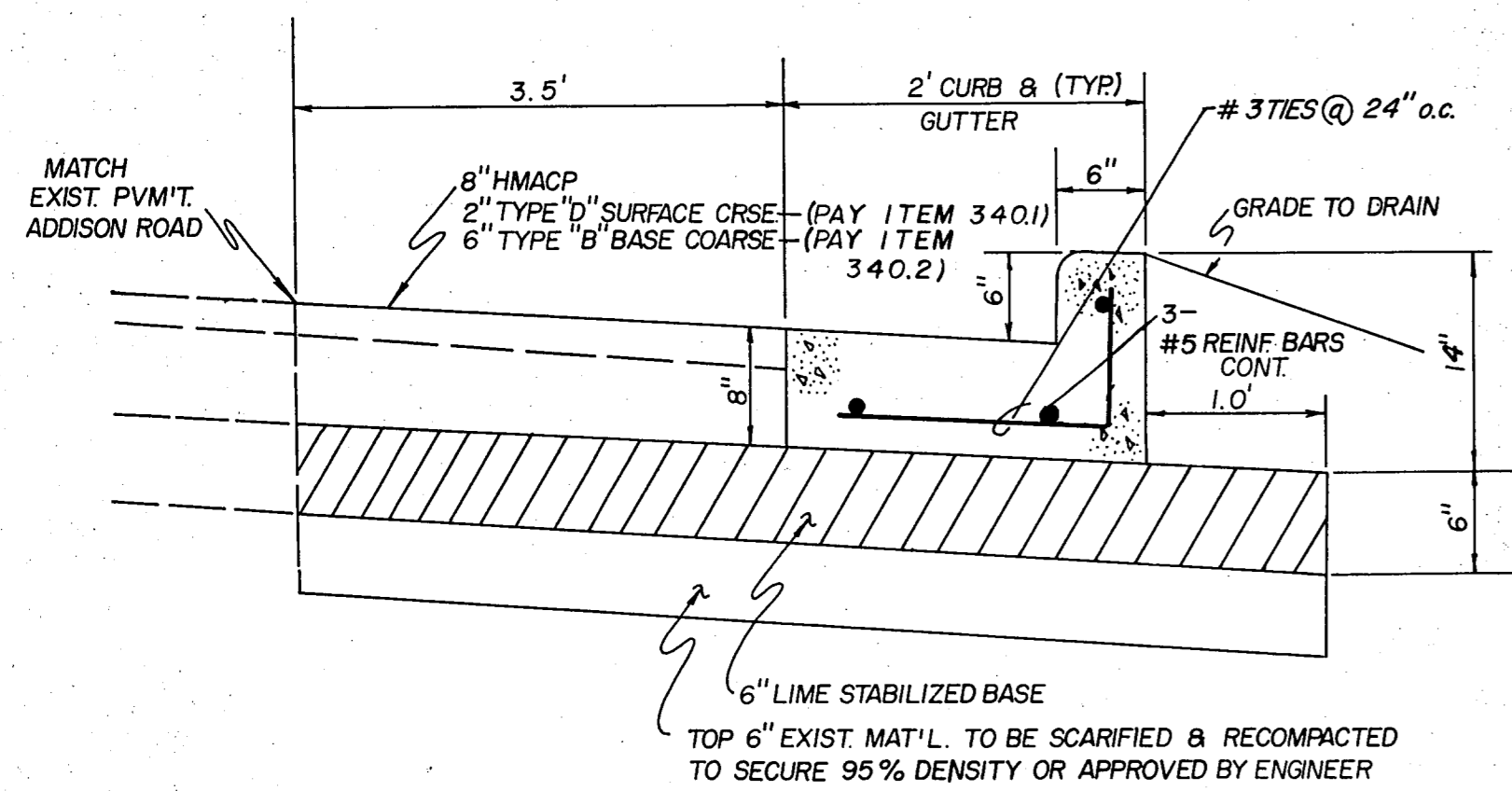
John P. Wilson

W. M. W. J. V.

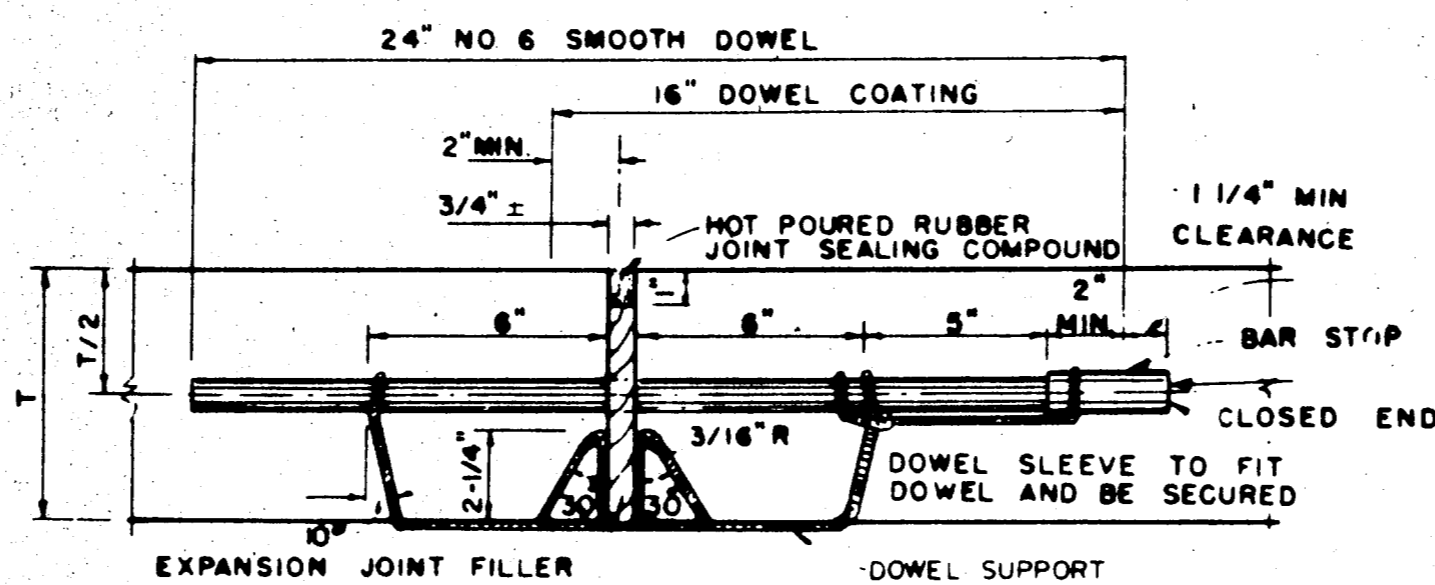


RECORD DRWG.

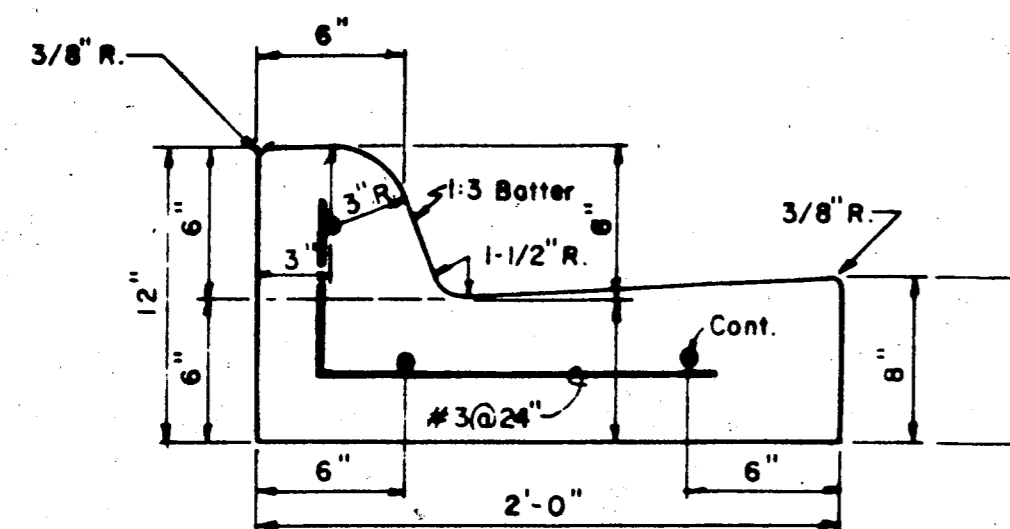
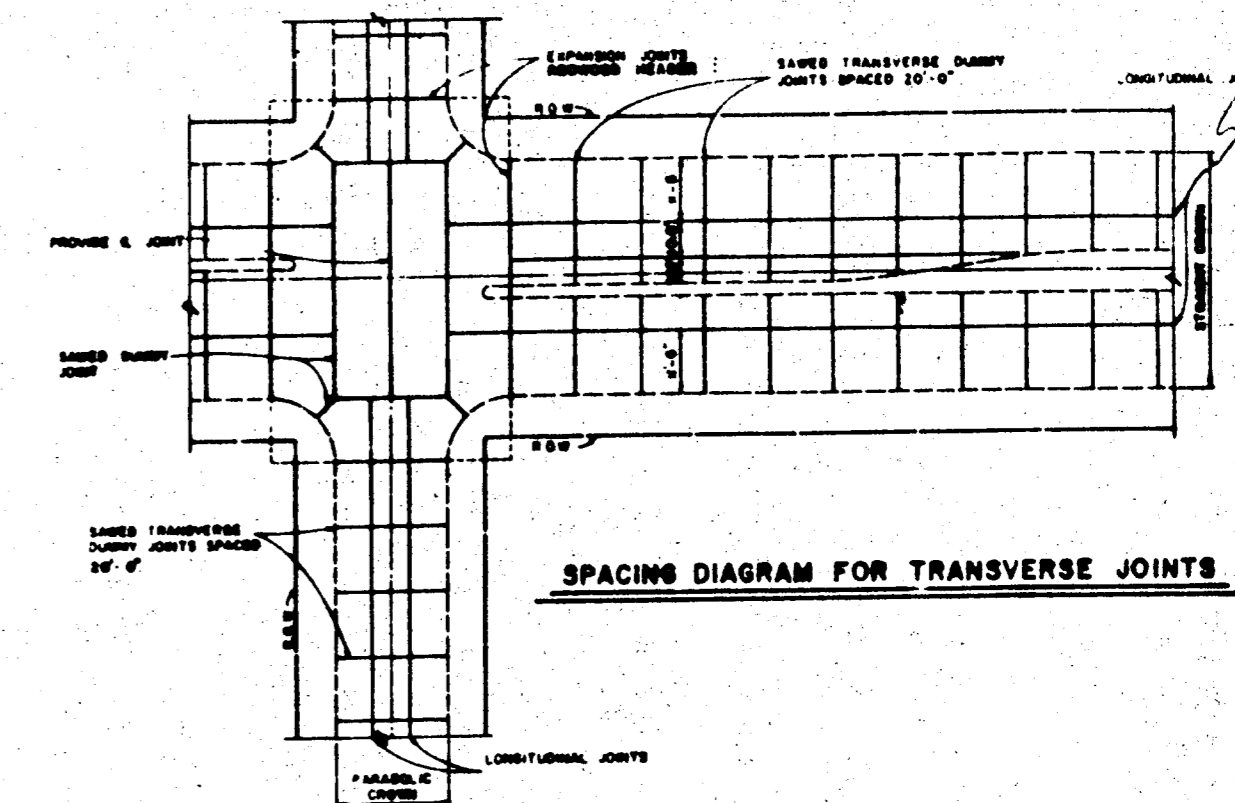
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
RATLIFF LANE IMPROVEMENTS			
DRAINAGE- PLAN & PROFILE			
STA. 0+0200 to STA. 4+94.65			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - RLO	Drawn - RLO	Date - AUGUST, 1986	Job No. - 293
Approved - HWG	Checked - RCH	Scale - Hor 1" = 20', Ver 1" = 5'	Sheet 7 of 12



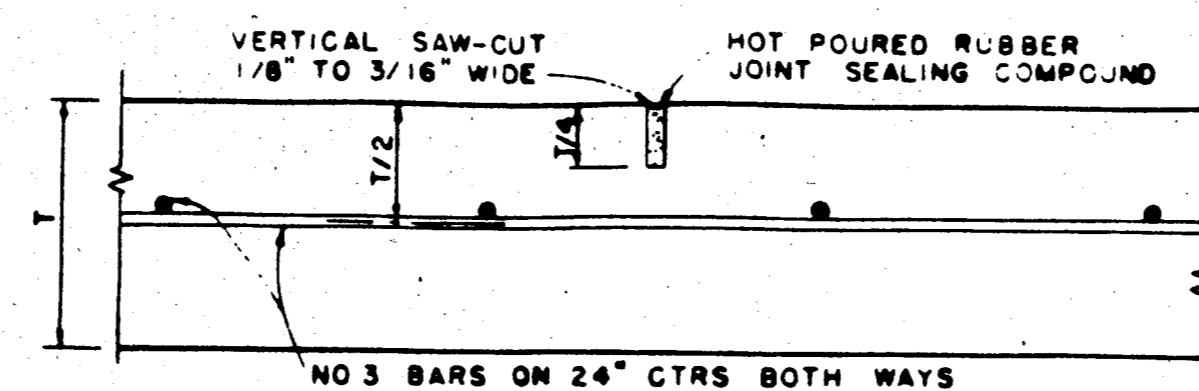
SECTION - TYP. @ ADDISON ROAD



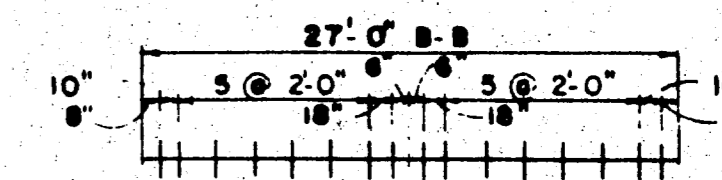
TRANSVERSE EXPANSION JOINT
IDENTICAL FOR STREETS & ALLEYS



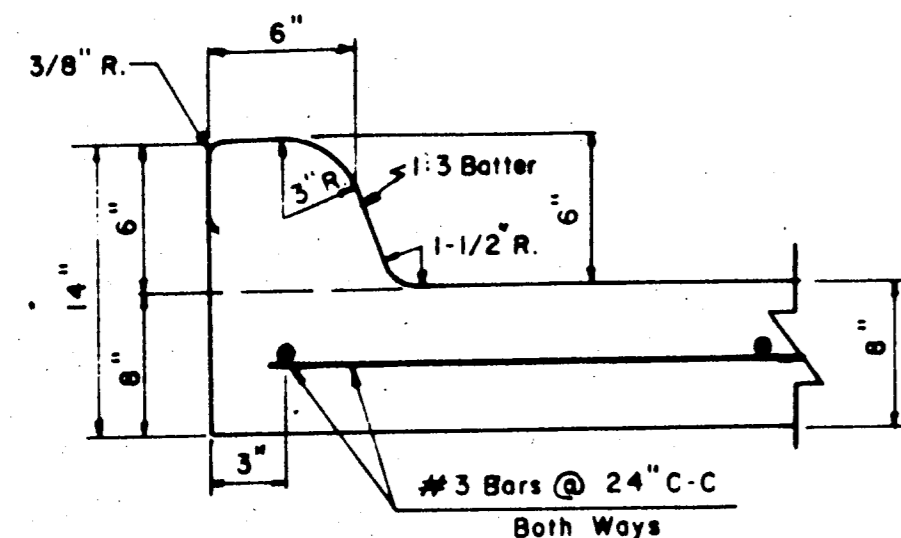
SEPARATE CURB & GUTTER
REINFORCEMENT SHALL BE No. 3 BARS



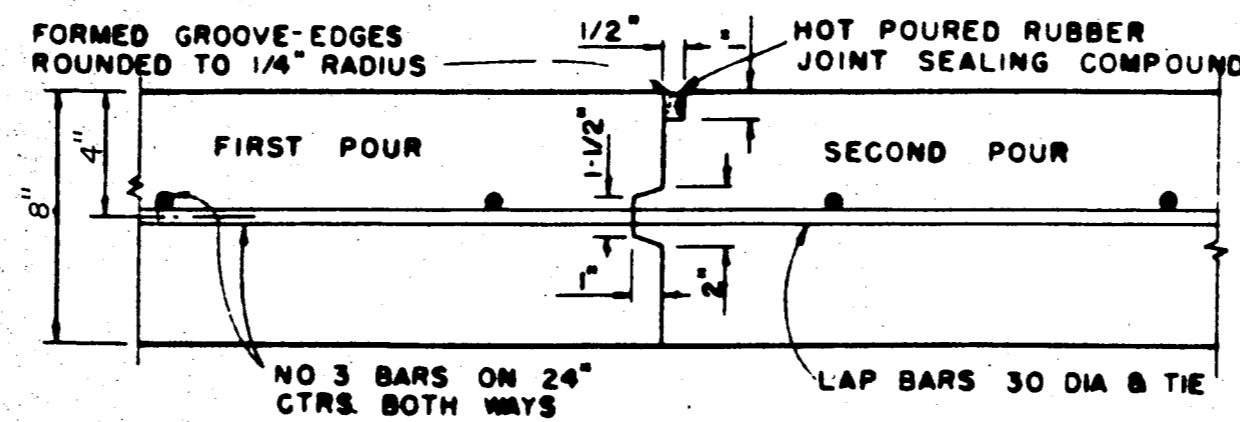
SAWED DUMMY JOINT
IDENTICAL FOR STREETS AND ALLEYS EXCEPT
ALLEY LONGITUDINAL REINFORCEMENT BARS



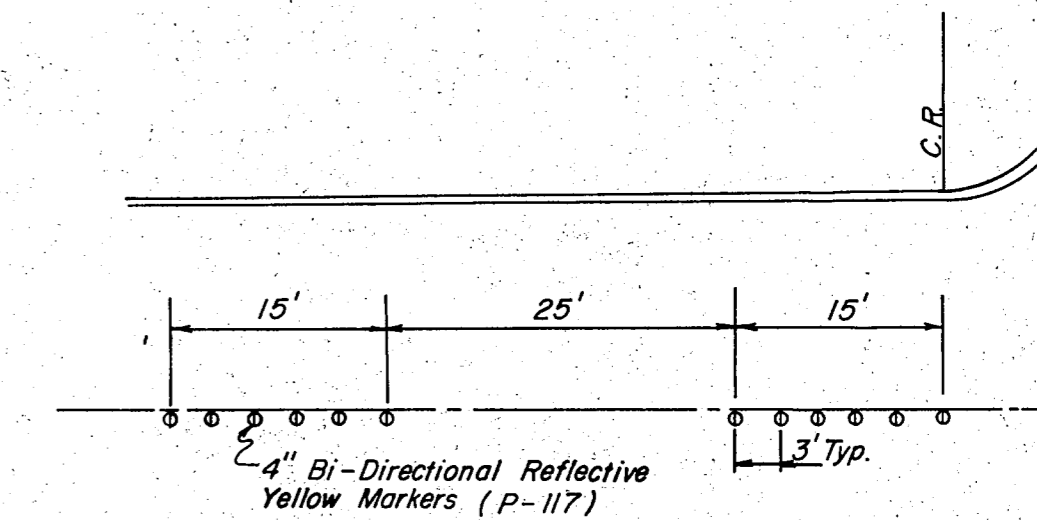
SPACING DIAGRAM FOR DOWELS AT EXPANSION JOINT



6" INTEGRAL CURB & GUTTER DETAIL



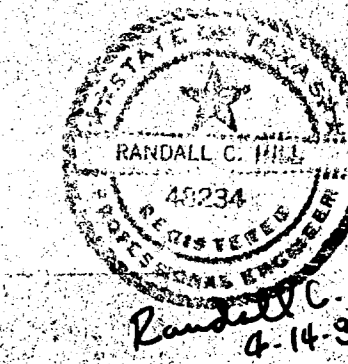
CONSTRUCTION JOINT
FOR 8" THICKNESS PAVEMENT OR BASE



Markers are to be installed off of joints w/ Machine Implemented 2-Part Component Epoxy.

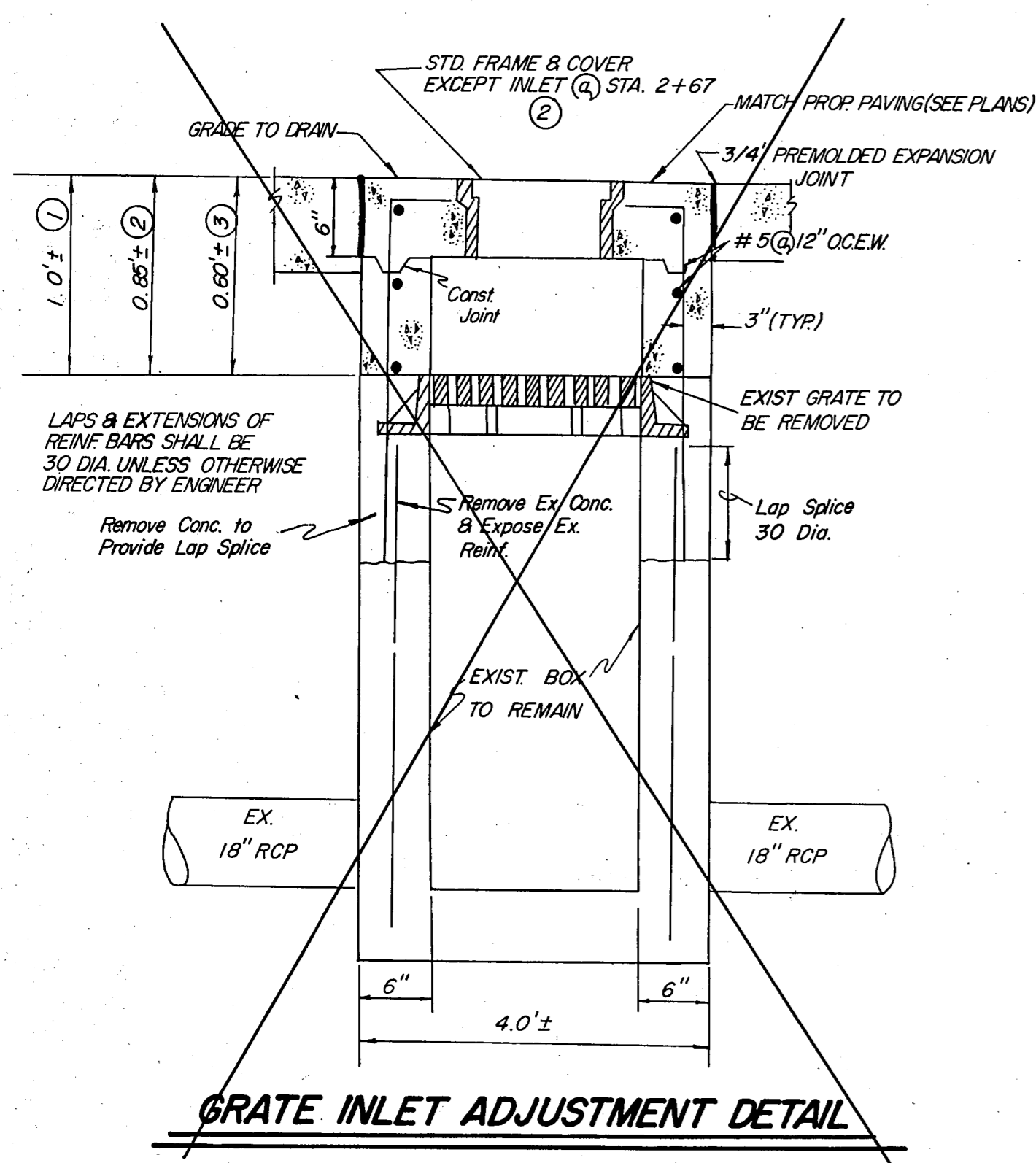
STANDARD BUTTON LAYOUT

Reflective Markers are to be Placed 4" off of C. Side to be Determined by Field Engineer.

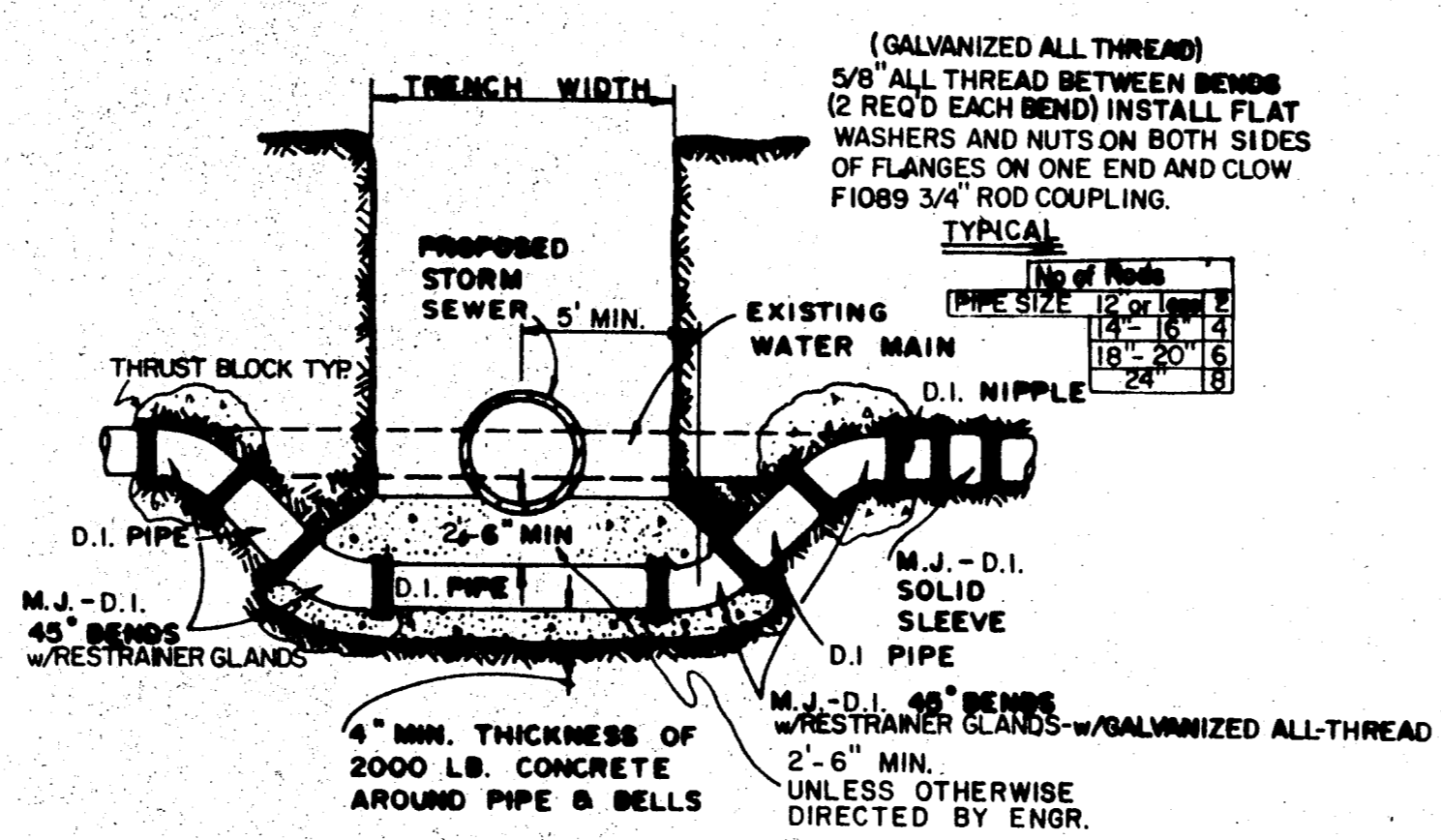


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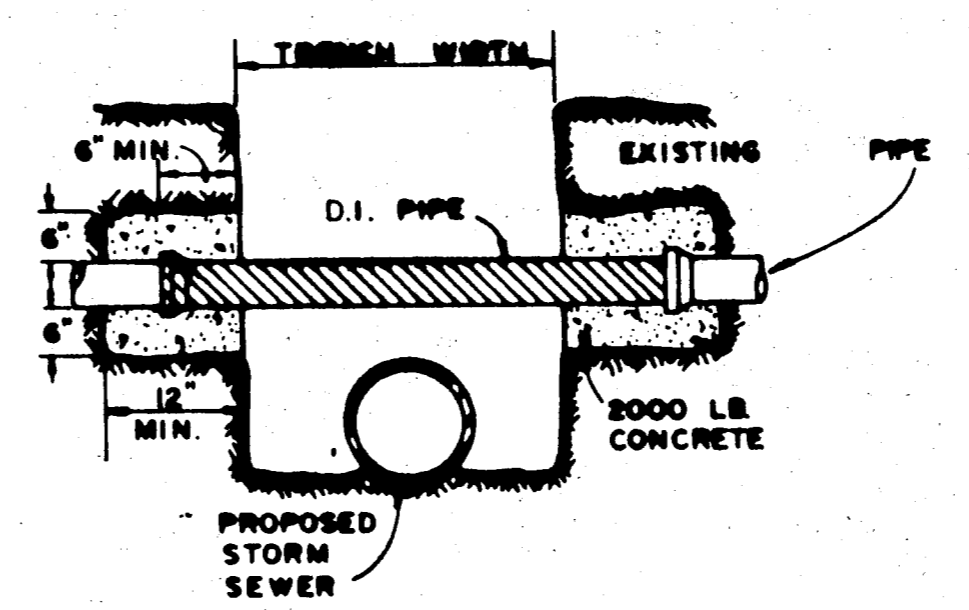
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS DEPT. OF ENGINEERING STD. CONSTRUCTION DETAILS PAVING DETAILS GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GNN, INC.	Drawn - GNN, INC.	Date - OCT. 1, 1986	Job No. - 293
Approved - HWG	Checked - GNN, INC.	Scale - N/A	Sheet 8 of 12



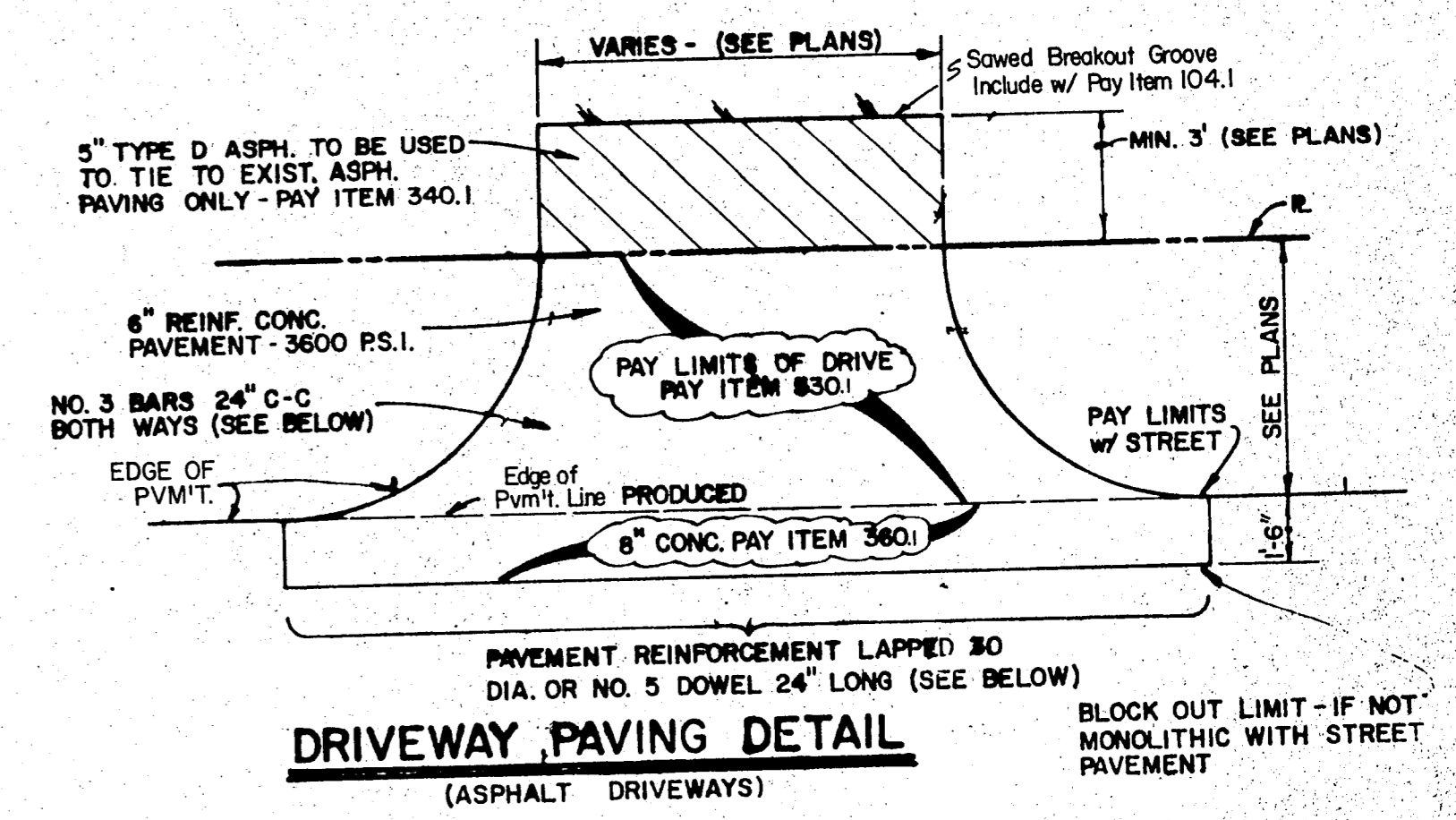
AS BUILT, CONSTRUCT CITY OF ADDISON STANDARD MANHOLE



DETAIL FOR WATER MAIN LOWERING

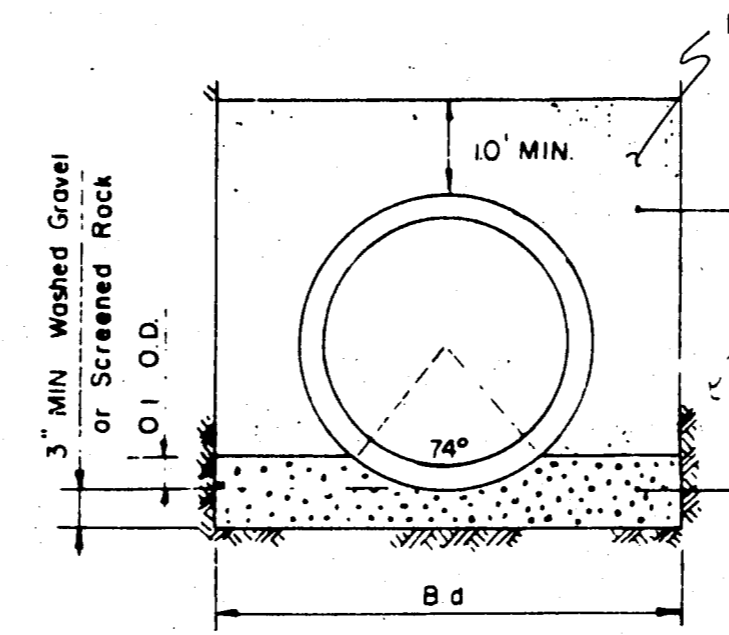


DETAIL OF UTILITY SUPPORT



DRIVEWAY PAVING DETAIL
(ASPHALT DRIVEWAYS)

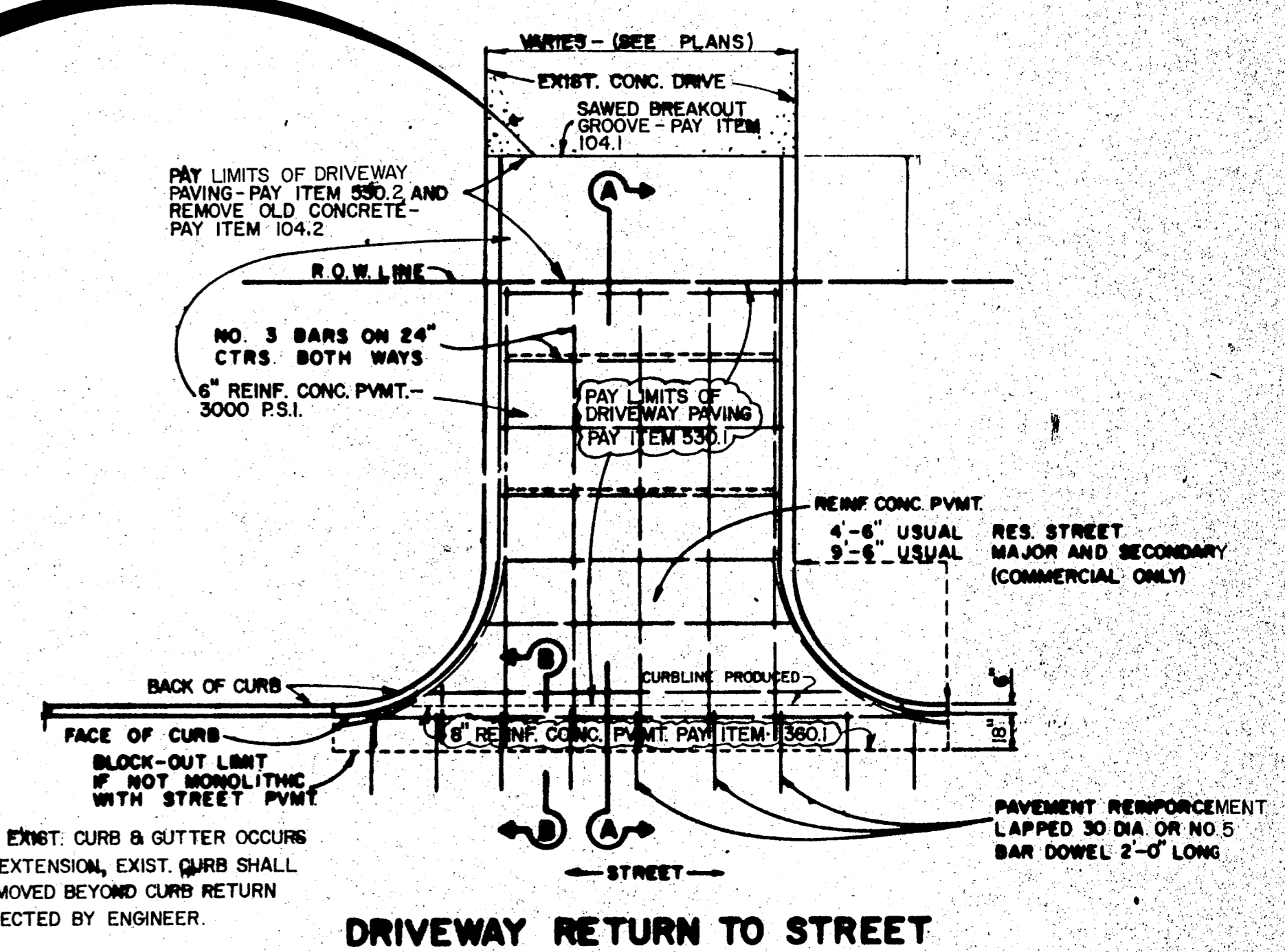
STORM SEWER EMBEDMENT					
PIPE DIAM.		B d	CU. YDS. Per 100 L.F.		GRANULAR MATERIAL
I. D.	O. D.		GRAVEL		
15"	19"	39"	4.53	22.28	
18"	22.5"	42"	5.13	25.15	
21"	26"	45"	5.76	28.03	
24"	29.5"	48"	6.42	30.94	
27"	33"	51"	7.11	33.86	
30"	37"	54"	7.85	36.72	
33"	40.5"	57"	8.59	39.64	
36"	44"	60"	9.36	42.58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

Material above pipe shall be placed in 8" lifts & compacted to 92% min. std. proctor density, at optimum moisture.

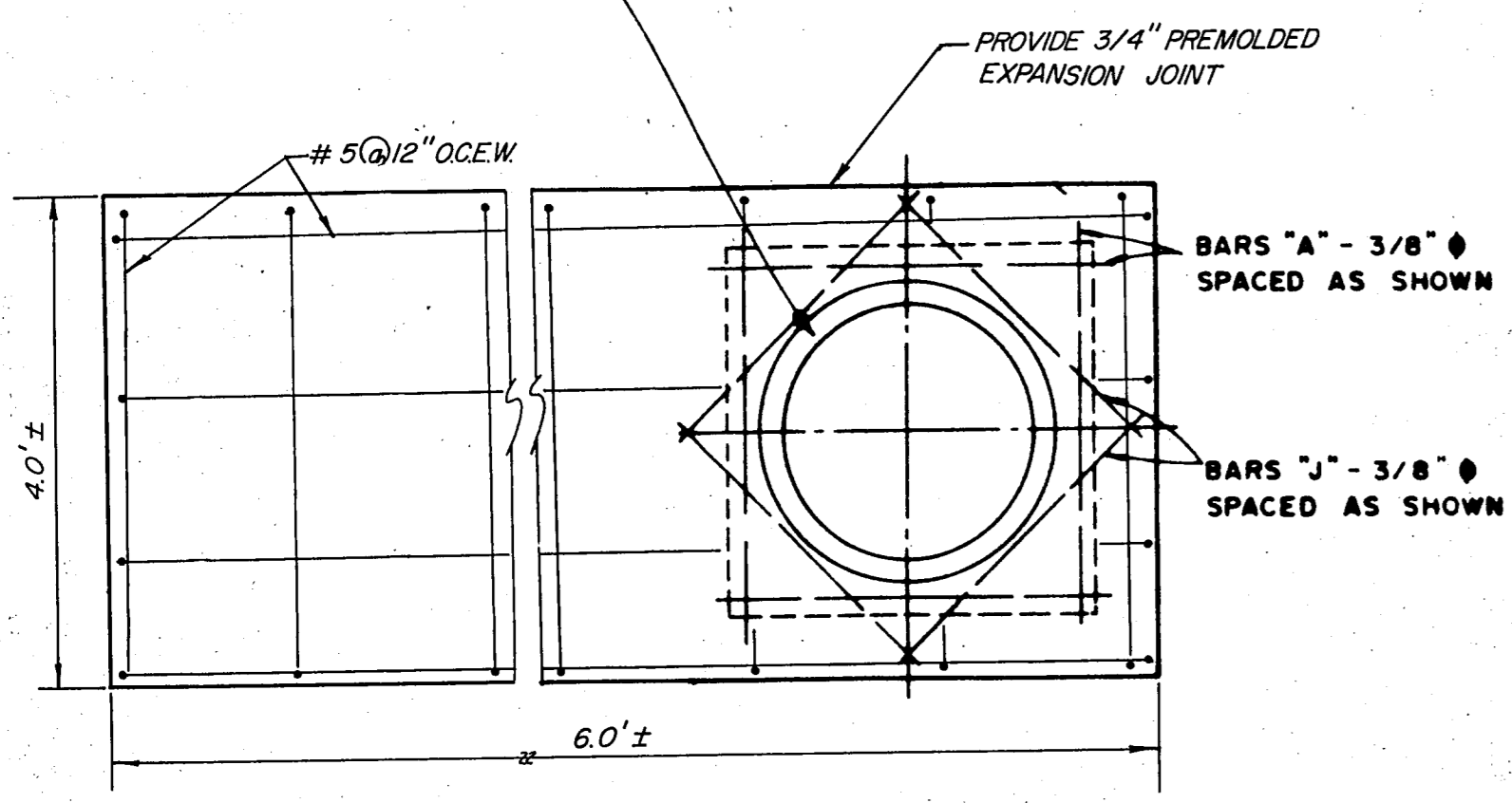
BACKFILL NOTE:
Excavated material from trench or roadway may be used provided it has a liquid limit not to exceed 35 and a plasticity index not to exceed 10 when tested in accordance with standard Texas State Department of Highways and Public Transportation.



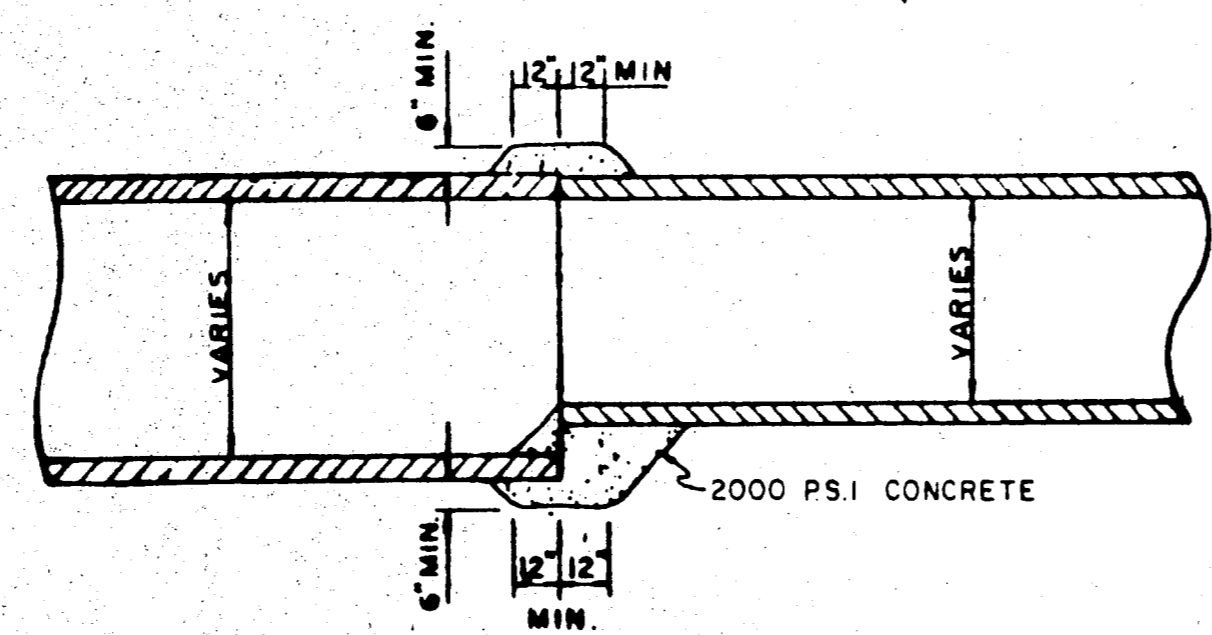
DRIVEWAY RETURN TO STREET
(CONCRETE DRIVEWAYS)

* NORTH DRIVEWAYS DO NOT HAVE CURBS

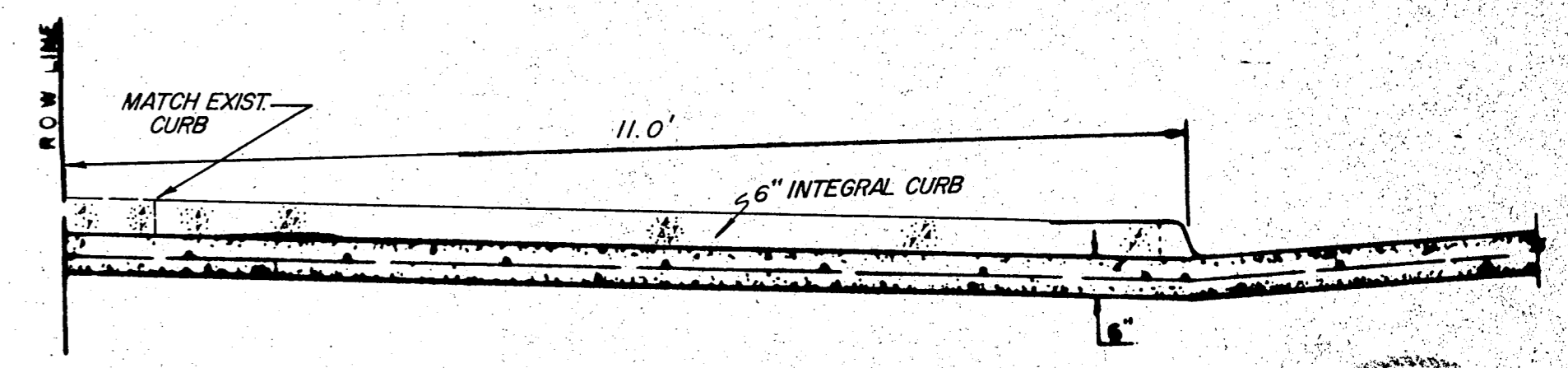
NOTE: FRAME AND COVER SHALL BE BASS & HAYS PATTERN NO. 380-24 OR EQUAL AND SHALL BE OF GRAY CAST IRON CONFORMING TO A.S.T.M. SPEC. A-48 FOR CLASS 30 CAST IRON. EXCEPT INLET (Q) STA. 2+67 (2)



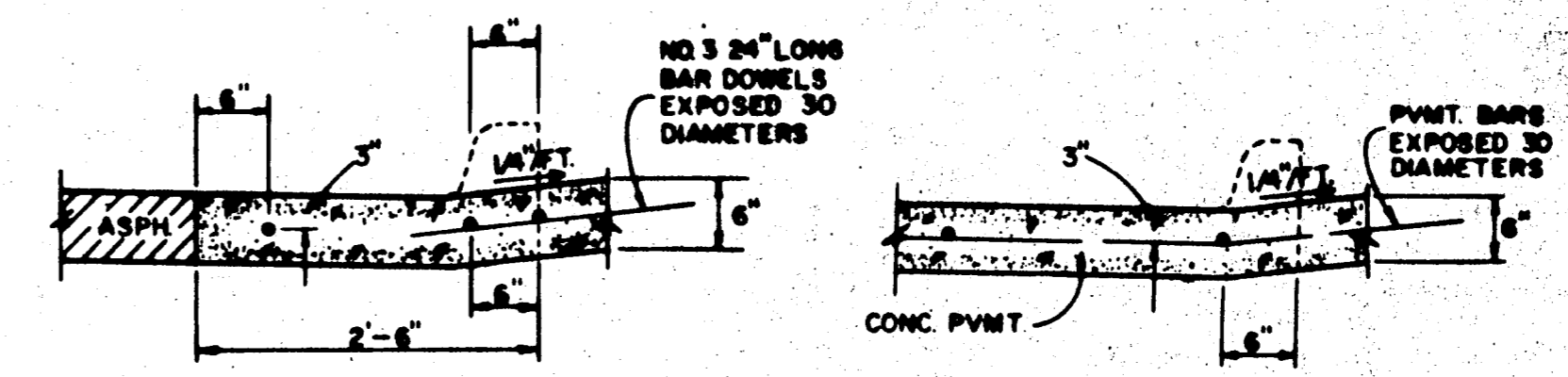
TOP PLAN



DETAIL OF CONCRETE COLLAR FOR PIPE CONNECTIONS



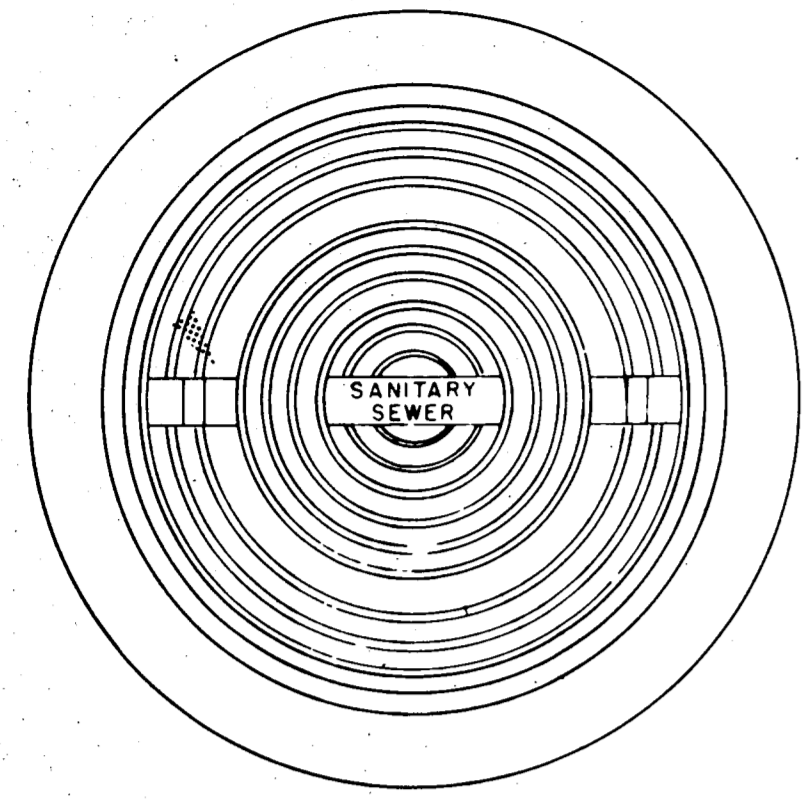
SECTION A-A
SOUTH DRIVES ONLY



SECTION B-B
DRIVEWAY RETURN DETAILS

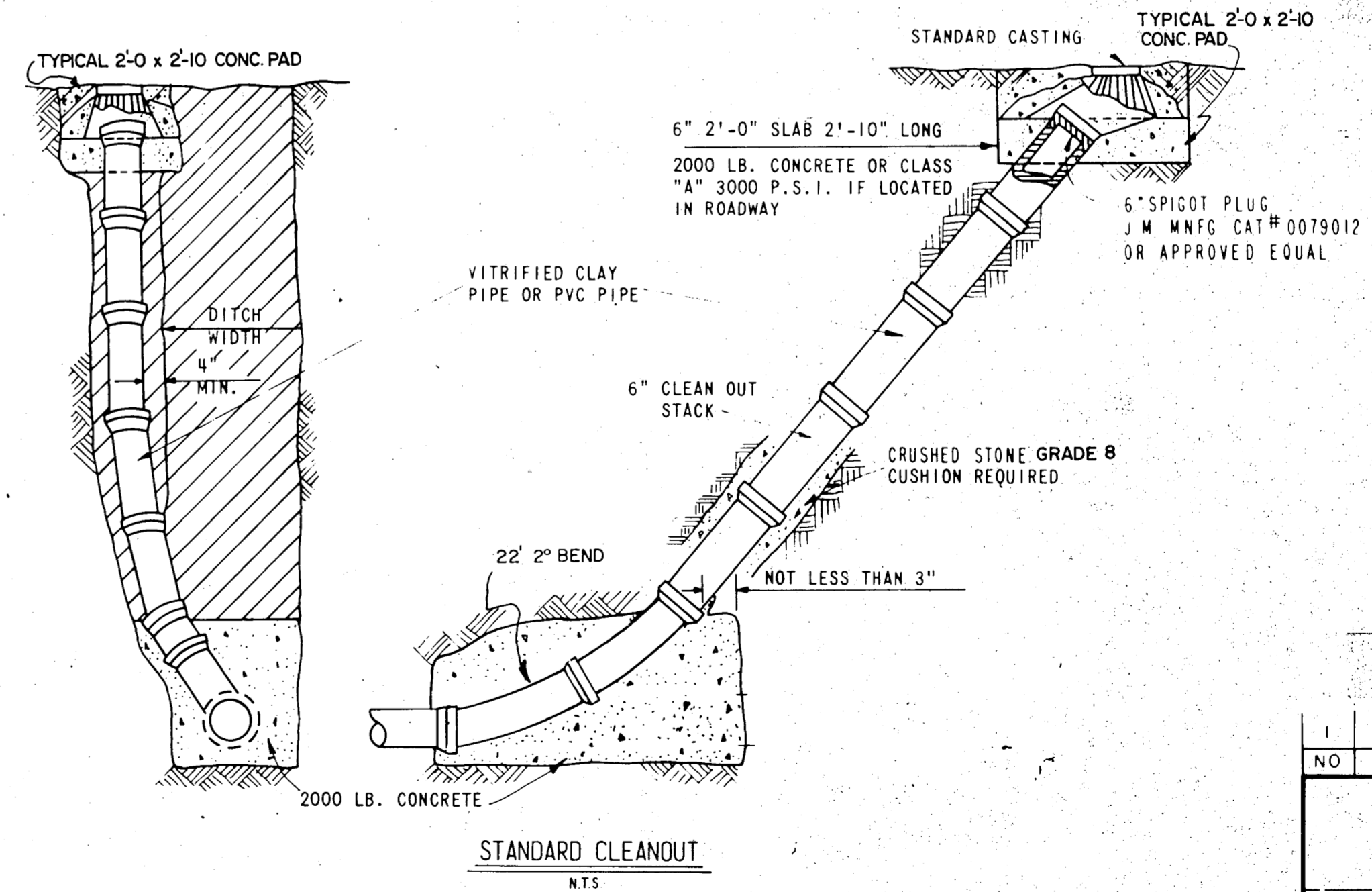
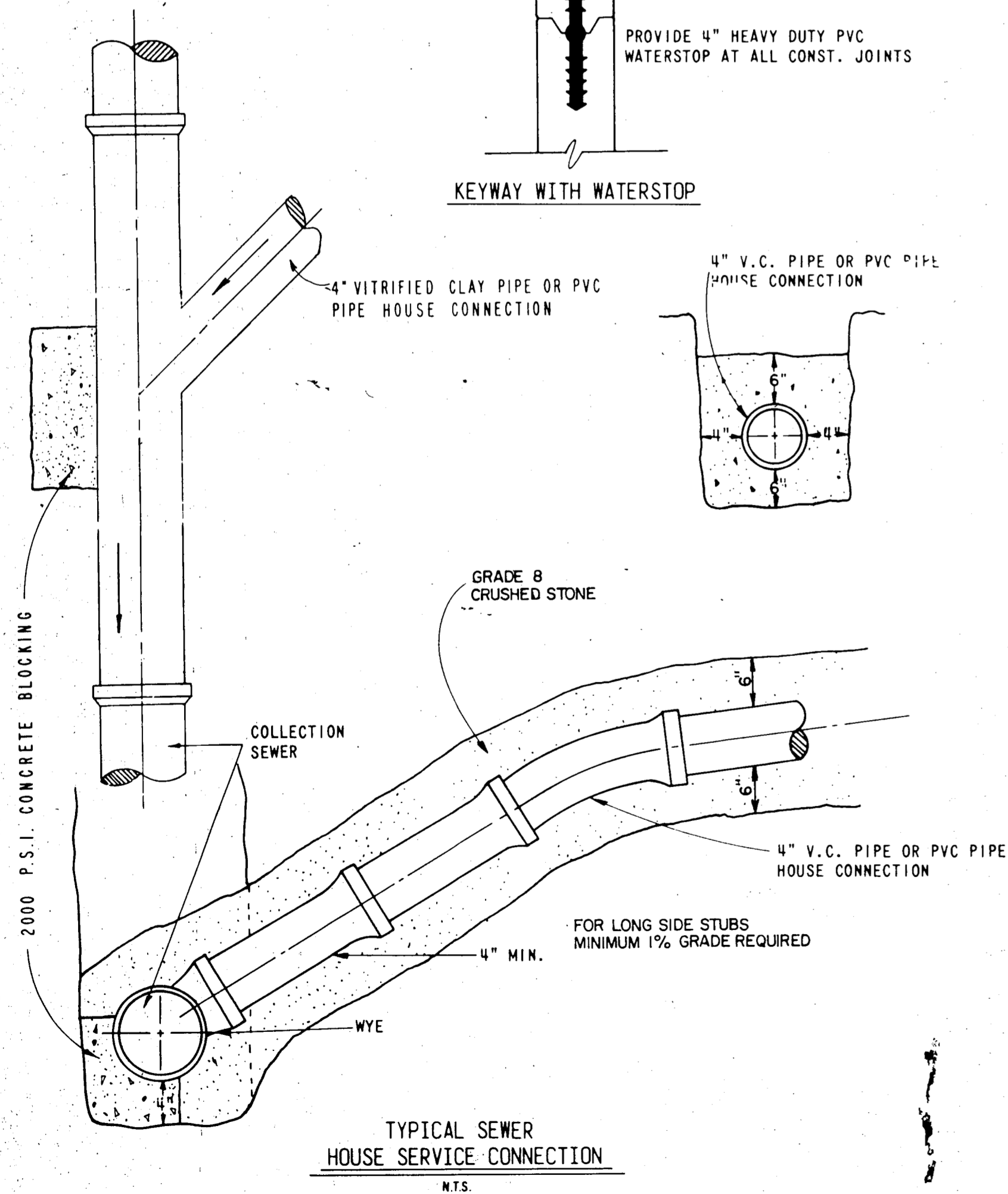
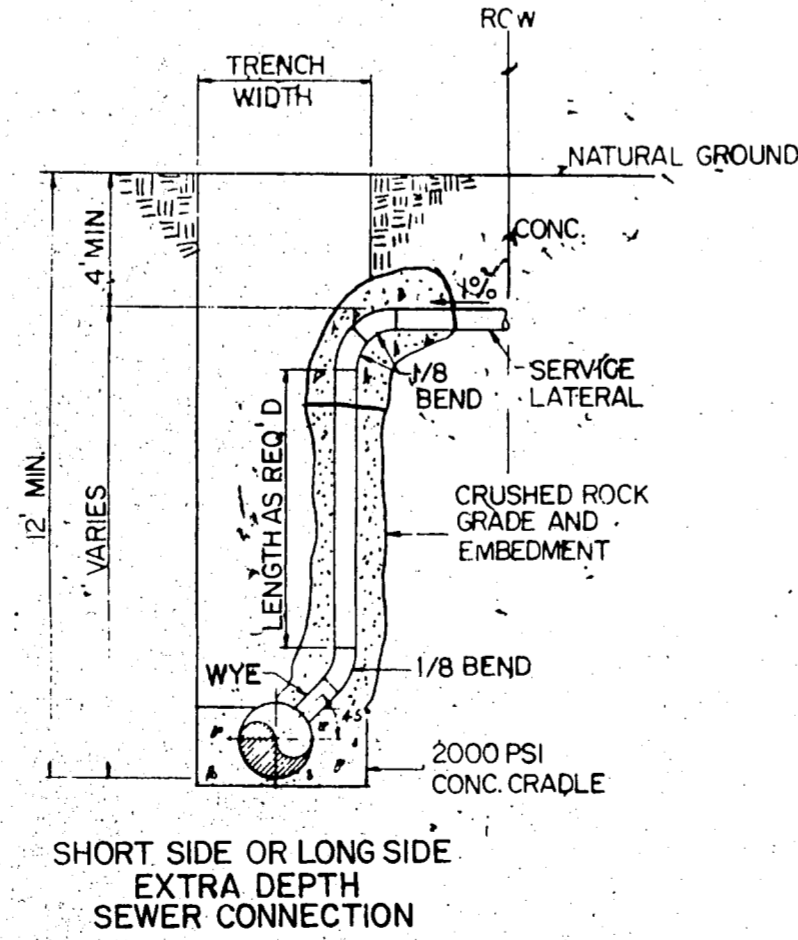
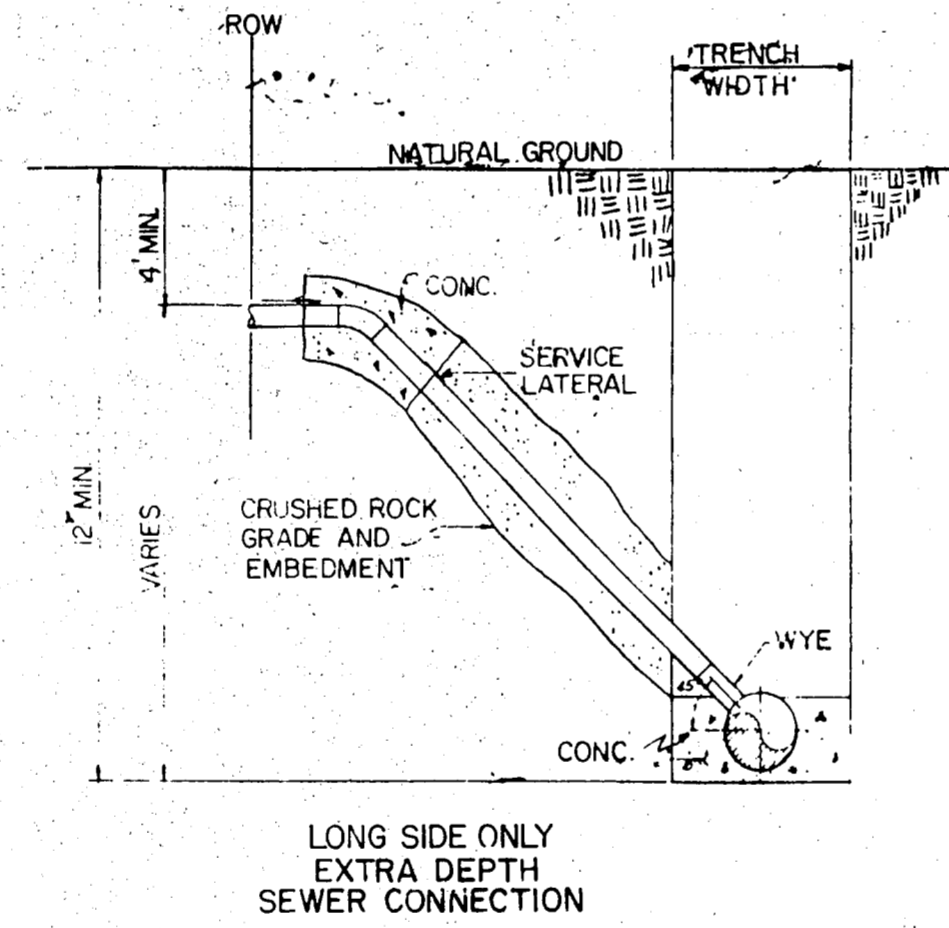
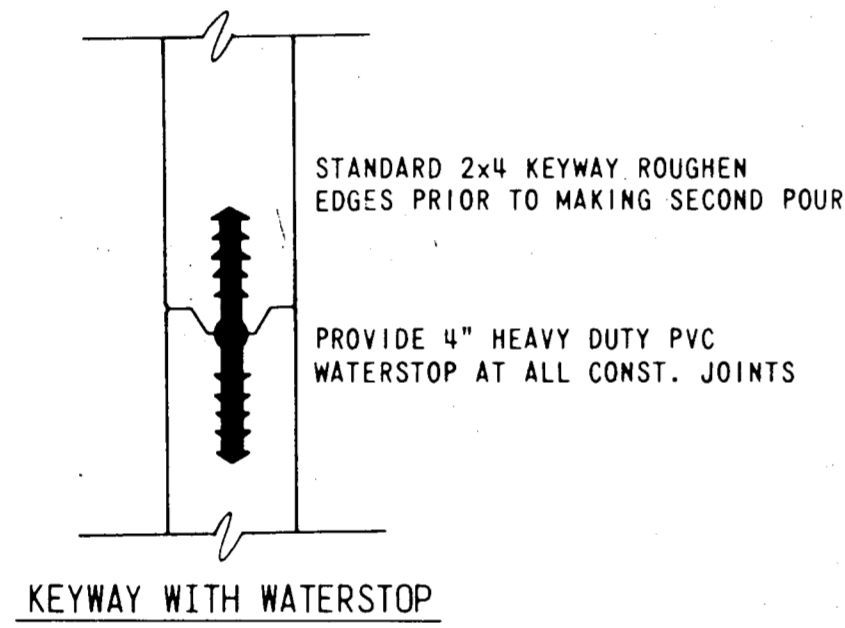
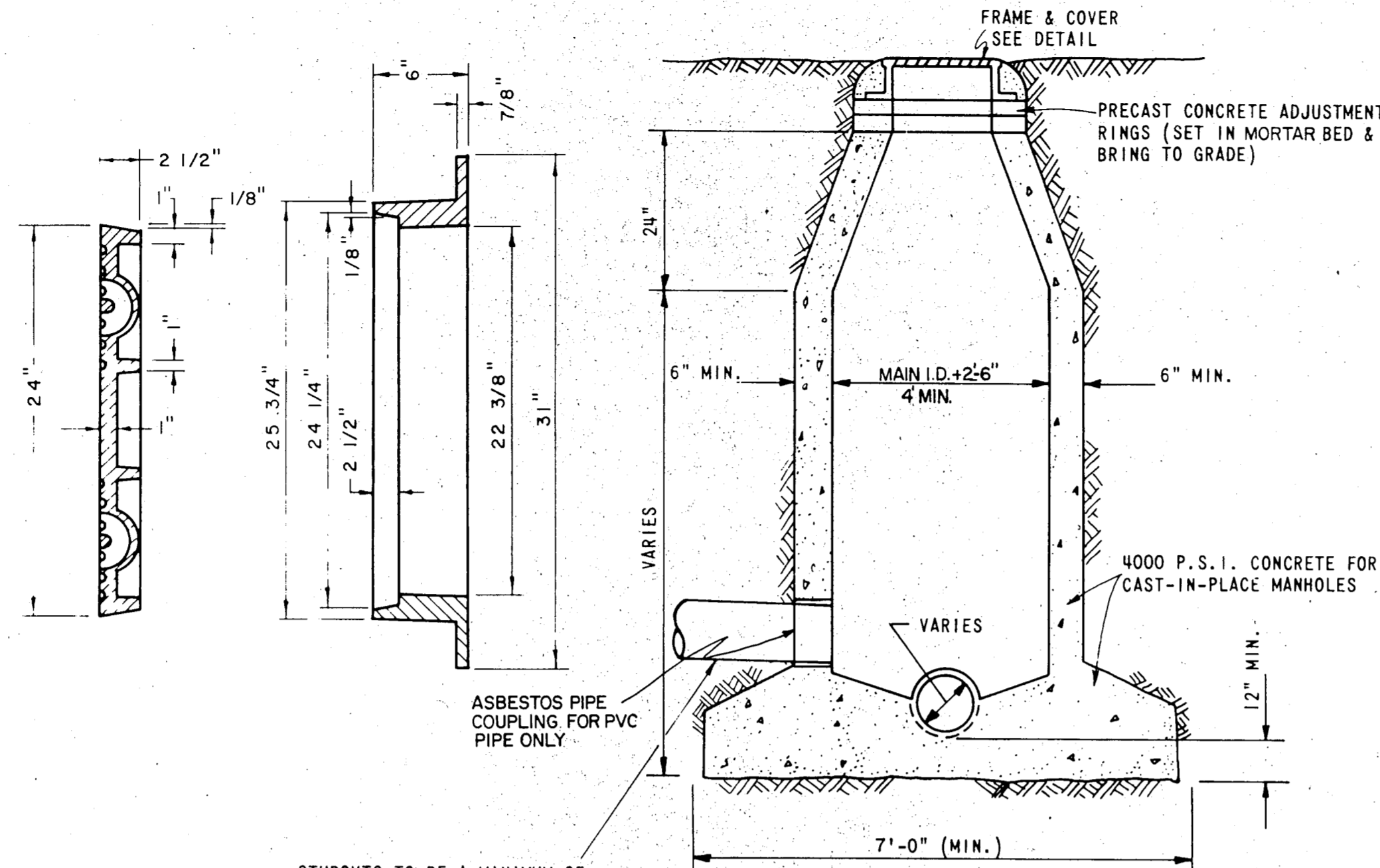
RECORD DRWG. *Handwritten signature and date: 6-14-87*

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS DEPT. OF ENGINEERING			
STD. CONSTRUCTION DETAILS STORM SEWER & DRIVEWAY DETAILS			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GINN	Drawn - GINN, INC.	Date - OCT., 1986	Job No. - 293
Approved - HWG	Checked - GINN, INC.	Scale - N/A	Sheet 9 Of 12



APPROX.
WEIGHT
RING AND COVER
385 LBS.

CAST IRON GRATE AND FRAME DETAIL
PROVIDE WITH PICK SLOTS ONLY.



ALL PVC SANITARY SEWER PIPE TO BE SDR 35, GREEN IN COLOR, WITH INTEGRAL BELL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE HORIZONTALLY EACH 4' SERVICE IN RELATION TO THE SANITARY SEWER STATIONING. RECORD ON 'AS BUILT'.

FIELD TIES ARE TO BE INCLUDED AND RECORDED ON ALUMINIZED SANITARY SEWER TAPE. THIS TAPE, GREEN OR RED IN COLOR, IS TO BE ATTACHED TO THE 4' SERVICE AT THE ROW LINE AND BROUGHT TO THE SURFACE TO BE USED AS A PERMANENT MARKER.

RECORD DRWG.

NO.	REVISED	REVISION	S.D.H.	10-8-95
			BY	DATE
TOWN OF ADDISON DEPARTMENT OF ENGINEERING				
STANDARD CONSTRUCTION DETAILS SANITARY SEWER				
MANHOLE - CLEANOUT - CONNECTIONS				
APPROVED			H. WAYNE GINN, P.E.	
DATE MARCH, 1984		SHEET SD-19		

