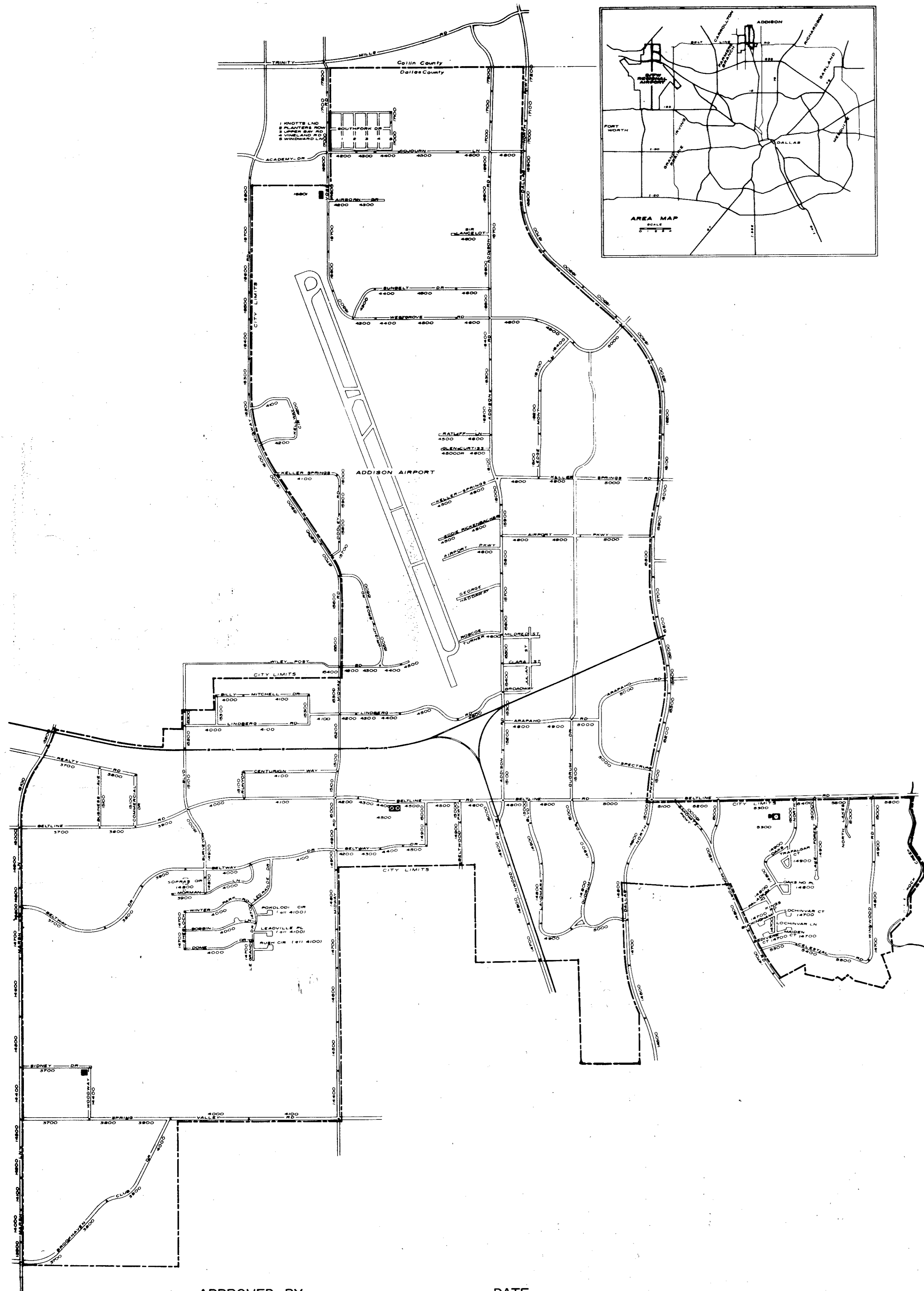


B4-12



CONSTRUCTION PLANS FOR

MILDRED STREET IMPROVEMENTS

INDEX TO DRAWINGS

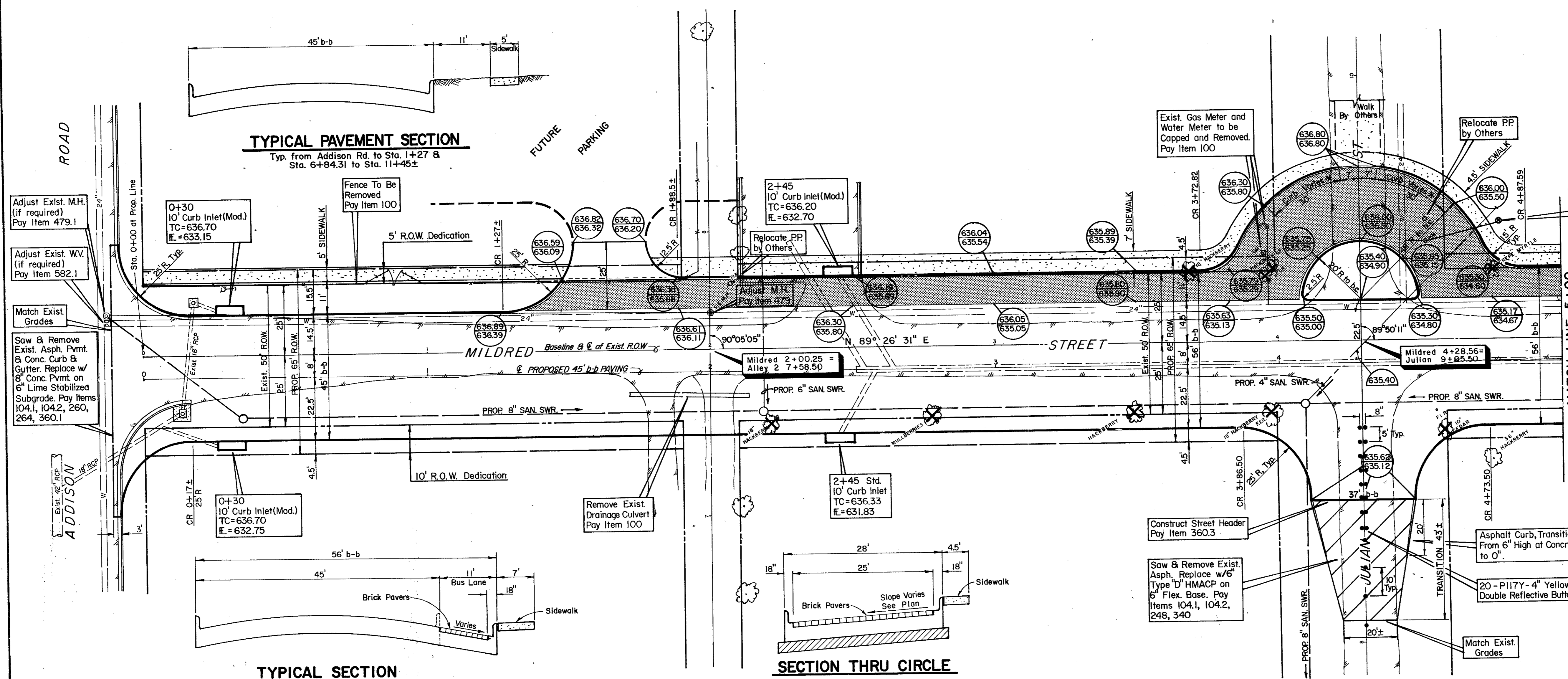
- MAYOR:**
D. LYNN SPRUILL
- COUNCIL MEMBERS:**
JOHN BRANCH
MARY DOLAN
JIM DUFFY
JOHN NOLAN
RILEY REINKER
- CITY MANAGER:**
RON WHITEHEAD
- DIRECTOR OF STREETS:**
ROBIN JONES

APPROVED BY: _____ DATE: _____
D. LYNN SPRUILL, MAYOR

GINN, INC.
Consulting Engineers Dallas, Texas
JUNE, 1990

B4-12

- NOTES: (Typical All Sheets)
- For Details of Sanitary Sewer Lines, See Sht. S1 thru S10.
 - For Details of Storm Sewer Lines, See Sht. M8 thru M12.
 - For Typical Pavement Section Details, See Sht. M4 thru M6.



* Curb height varies from full 6" height to 0" at Walk.

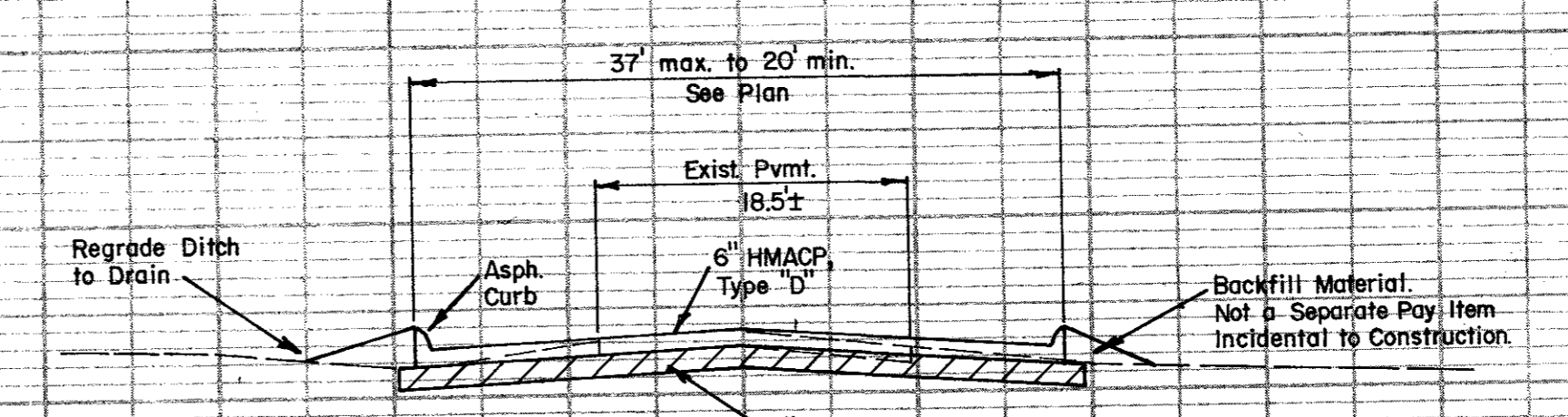
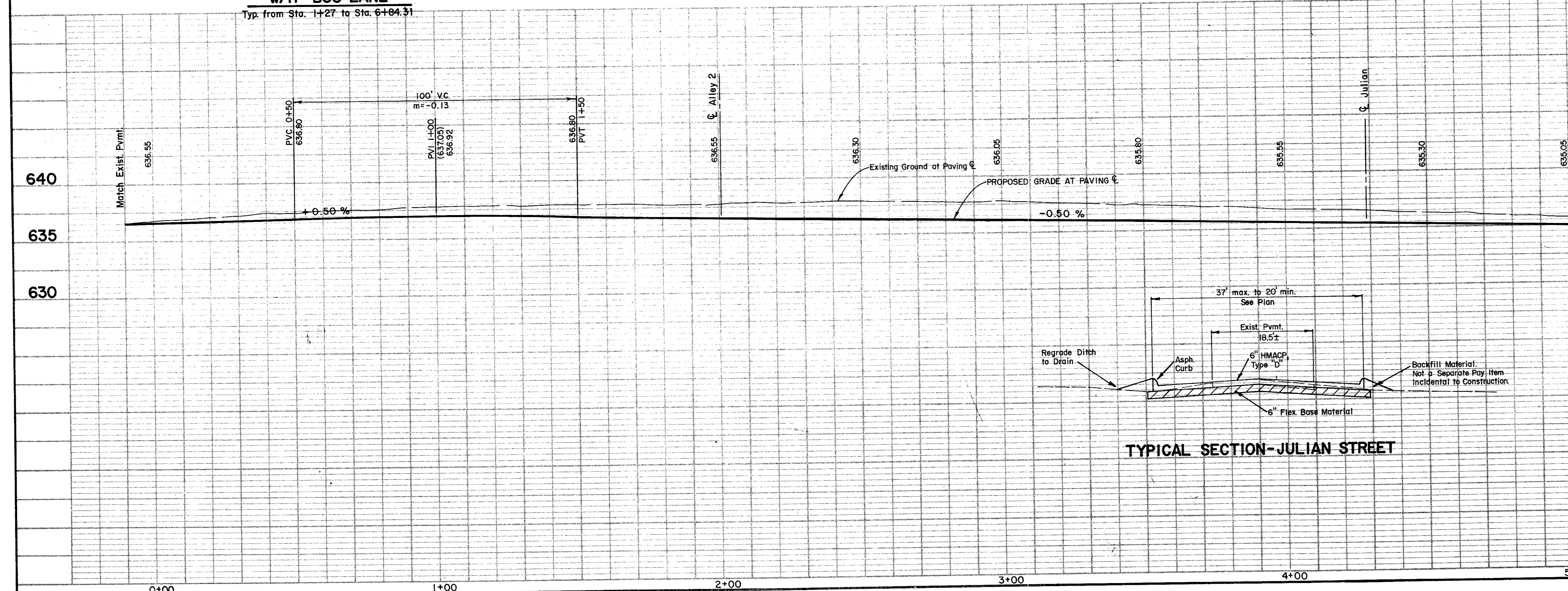
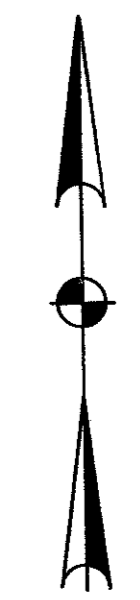
Relocate Exist. W.M. Extend Service w/3/4" Copper, Set New Meter Box. Use Exist. Meter, See Detail, Sht. M2. Pay Item 582.2

BEGINNING TO STA. 6+50

NOTE: 8" Reinf. Conc. Pavement, Class C, 3600 psi at 28 days (compressive) or 600 psi at 7 days (flexural). Pay Item 360.1.
Integral Concrete Curb & Gutter. Pay Item 530.1.
6" Thick Lime Stabilized Subgrade. Pay Item 260, 264.

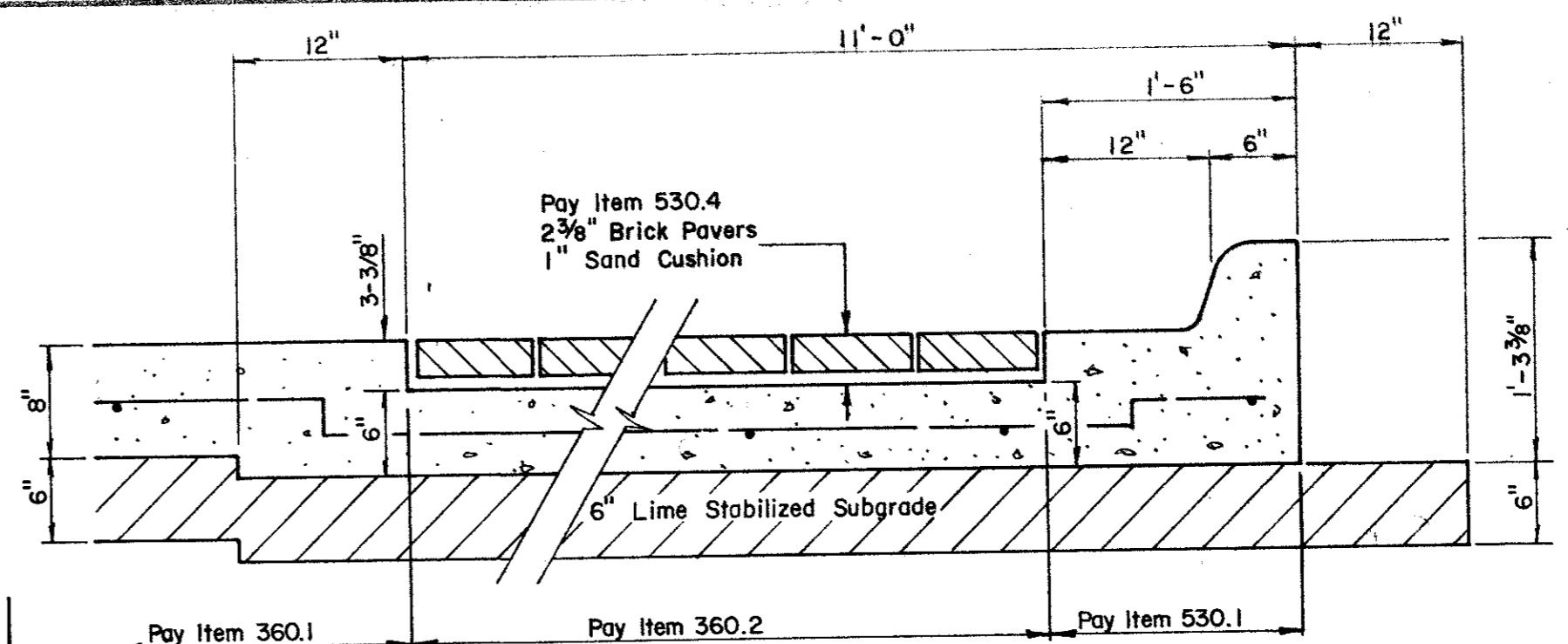
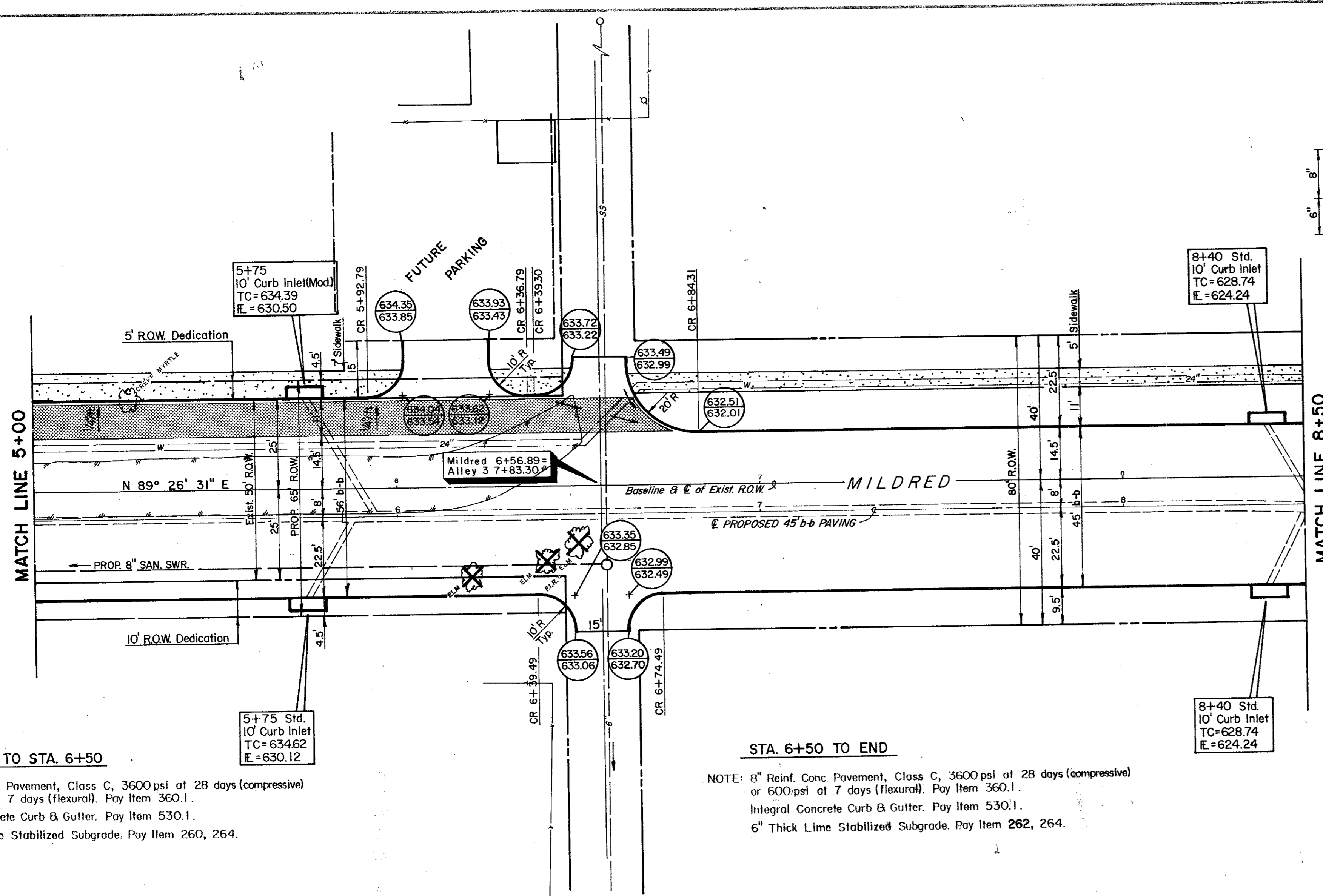
B.M. "□" on edge of Conc. Apron at E. of Doorway of Water Tower. Elev. 638.66

Existing Trees To Be Removed Pay Item 100

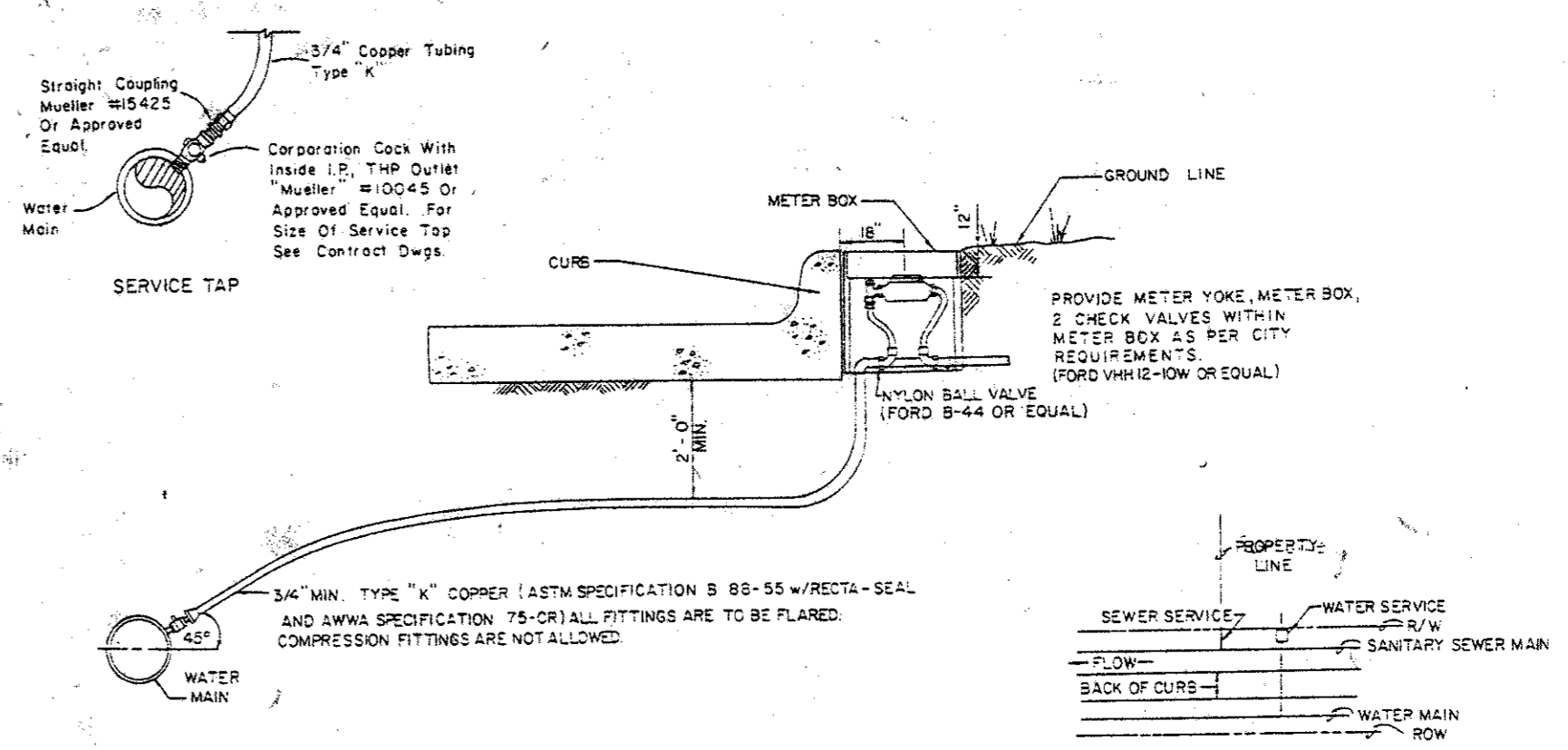


TYPICAL SECTION-JULIAN STREET

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS MILDRED STREET IMPROVEMENTS PAVING STA. 0+00 TO STA. 5+00 GINN, INC. Consulting Engineers Dallas, Texas			
Designed - TEC	Drawn - TEC	Date - May, 1990	Job No. - 90439
Approved - HWG	Checked - GF	Scale - 1" = 20'H/1" = 5'V	Sheet M1 of



BRICK PAVERS DETAIL



- FOR 1" OR SMALLER METER**
- METER BOX SHALL BE CORRUGATED METAL, 18" DIAMETER, 18" DEEP, SLOTTED FOR SERVICE PIPE FITTED WITH CAST IRON TOP AND LID. LID SHALL BE C.I. BASS & HAYS DOMESTIC WPG LID WITH #30 HARRIN LOCK.
 - PROVIDE BRONZE TAPPING SADDLES - ALL WATER SERVICES - DBL STRAP / SINGLE WIDE - UPPER BODY CONNECTION TO WATER YOKE w/ BRONZE NIPPLES w/ RECTRA SEAL.
 - NO SPLICES UNDER ROADWAY.
- FOR 2" OR LARGER**
- METER SETTERS FOLLOWED BY DBL CHECK VALVES - (BACK FLOW PREVENTER) AS PER CITY SPEC.
 - HOUSED IN SEPARATE BOX.

DOMESTIC WATER SERVICE CONNECTION WITH METER BOX

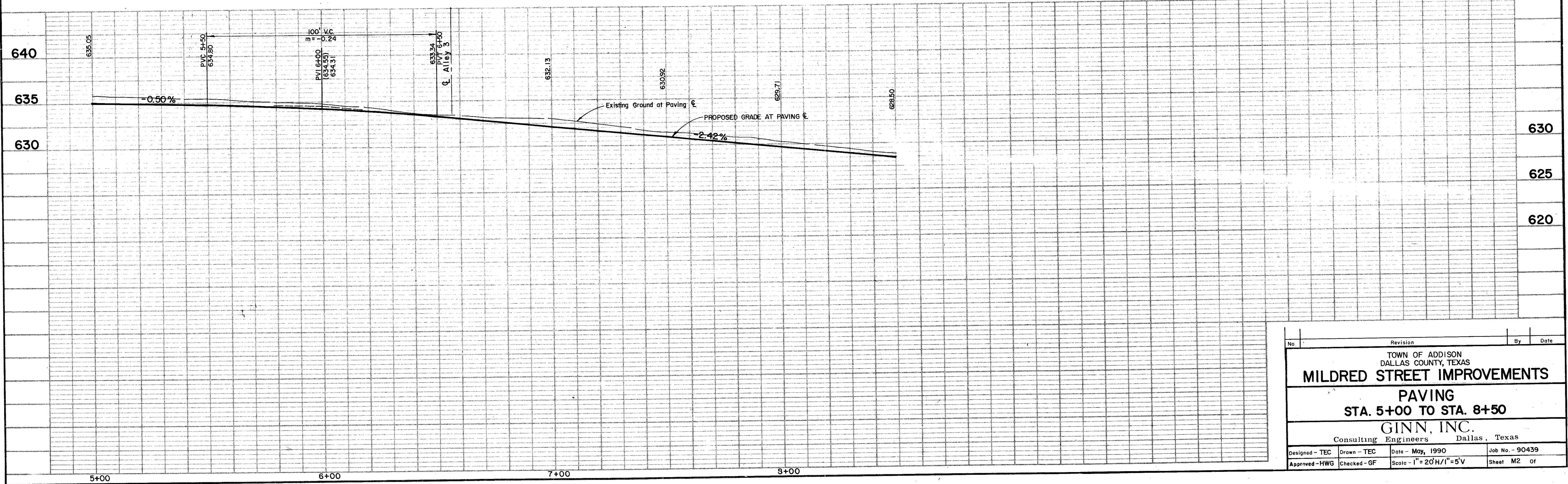
B.M. - "□" on edge of Conc. Apron of Doorway of Water Tower. Elev. 638.66

BEGINNING TO STA. 6+50

NOTE: 8" Reinf. Conc. Pavement, Class C, 3600 psi at 28 days (compressive) or 600 psi at 7 days (flexural). Pay Item 360.1.
Integral Concrete Curb & Gutter. Pay Item 530.1.
6" Thick Lime Stabilized Subgrade. Pay Item 260, 264.

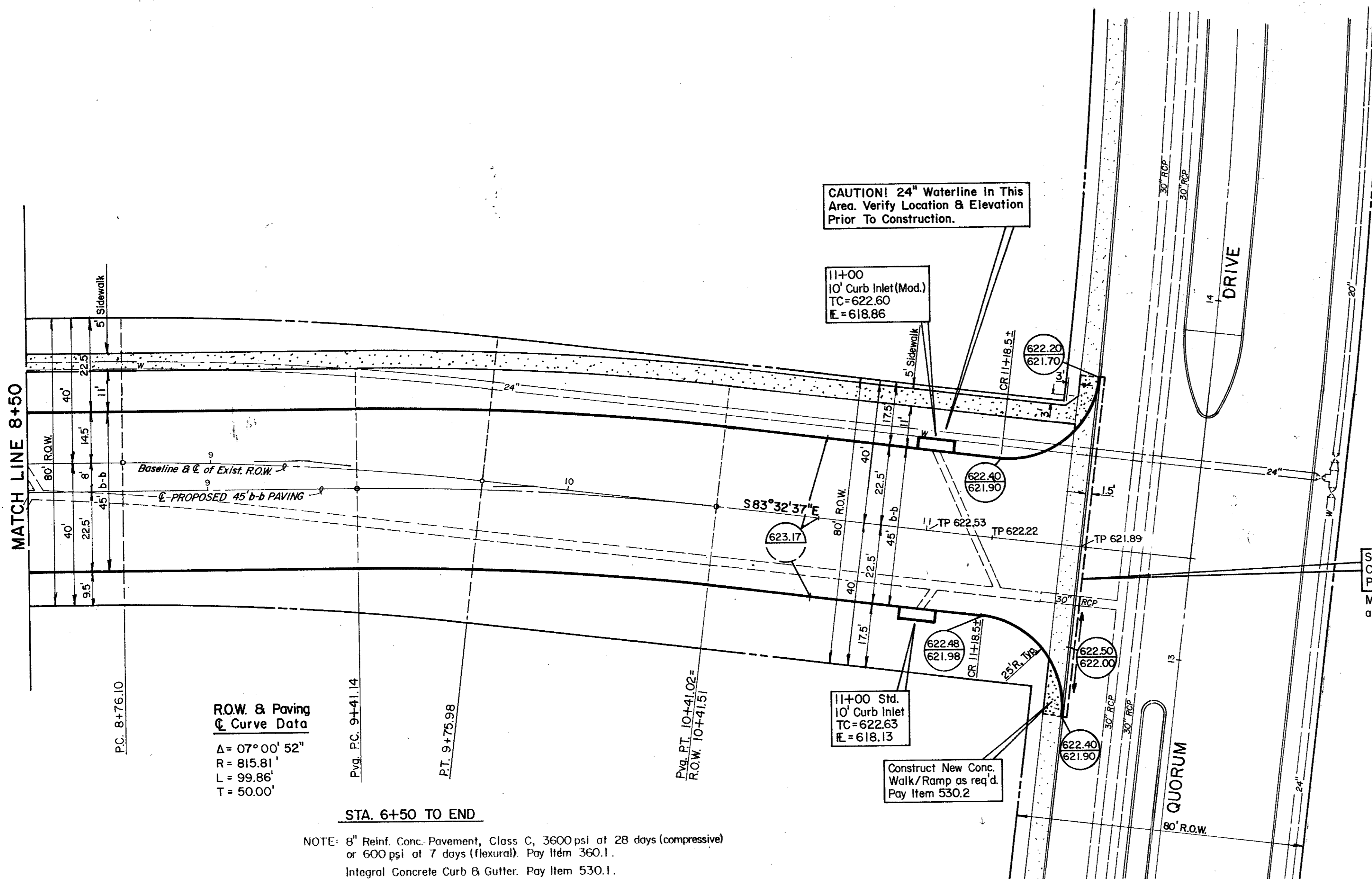
STA. 6+50 TO END

NOTE: 8" Reinf. Conc. Pavement, Class C, 3600 psi at 28 days (compressive) or 600 psi at 7 days (flexural). Pay Item 360.1.
Integral Concrete Curb & Gutter. Pay Item 530.1.
6" Thick Lime Stabilized Subgrade. Pay Item 262, 264.



No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS MILDRED STREET IMPROVEMENTS PAVING STA. 5+00 TO STA. 8+50 GINN, INC. Consulting Engineers Dallas, Texas			
Designed - TEC	Drawn - TEC	Date - May, 1990	Job No. - 90439
Approved - HWG	Checked - GF	Scale - 1" = 20'H / 1" = 5'V	Sheet M2 of

MATCH LINE 8+50



CAUTION! 24" Waterline in This Area. Verify Location & Elevation Prior To Construction.

11+00
10' Curb Inlet (Mod.)
TC = 622.60
E = 618.86

Saw & Remove Exist. Conc. Curb & Gutter.
Pay Items 104.1, 104.2
Match Exist. Grades at Curb Line

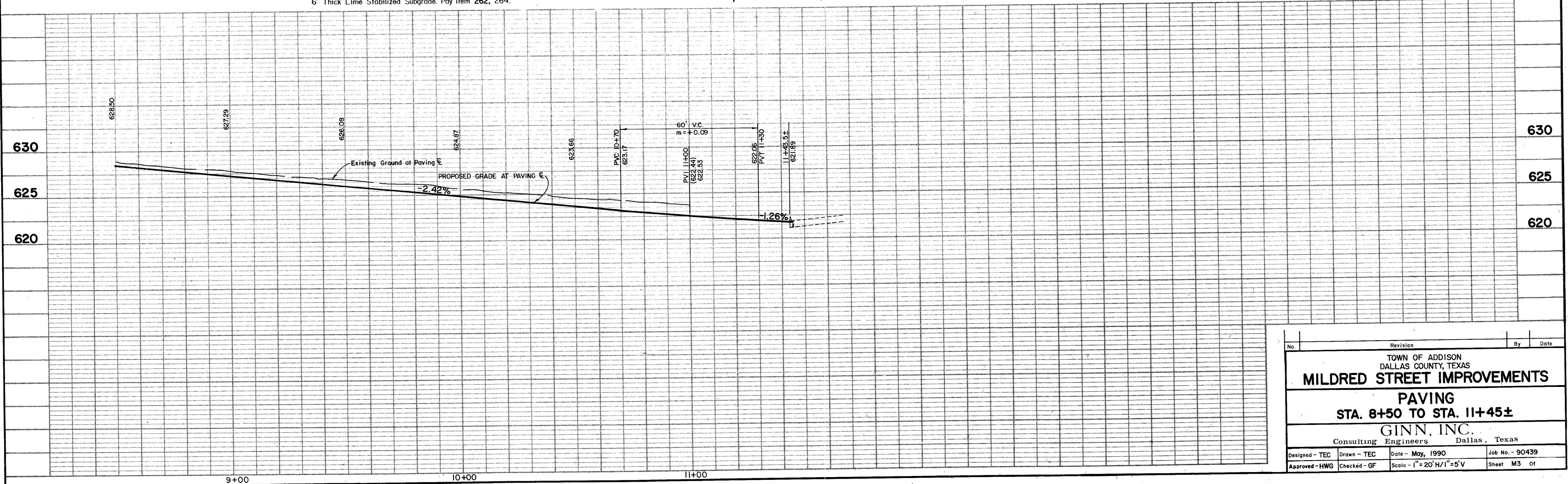
Construct New Conc. Walk/Ramp as req'd.
Pay Item 530.2

**ROW & Paving
Curve Data**
Δ = 07° 00' 52"
R = 815.81'
L = 99.86'
T = 50.00'

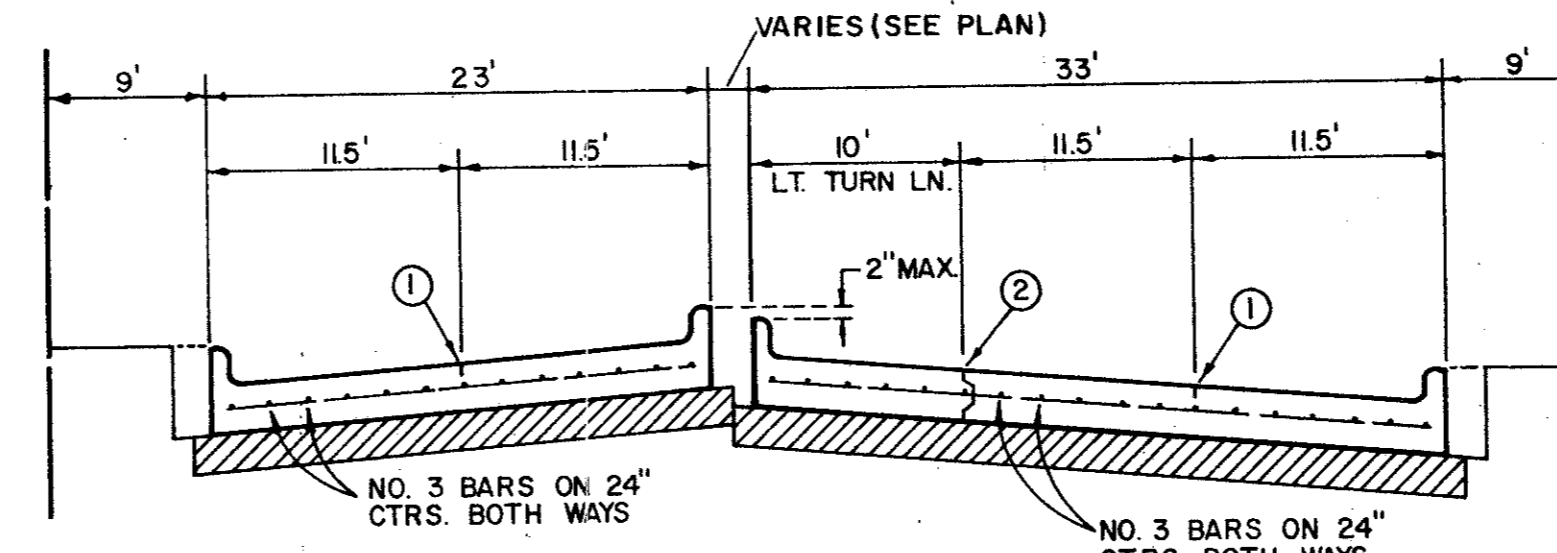
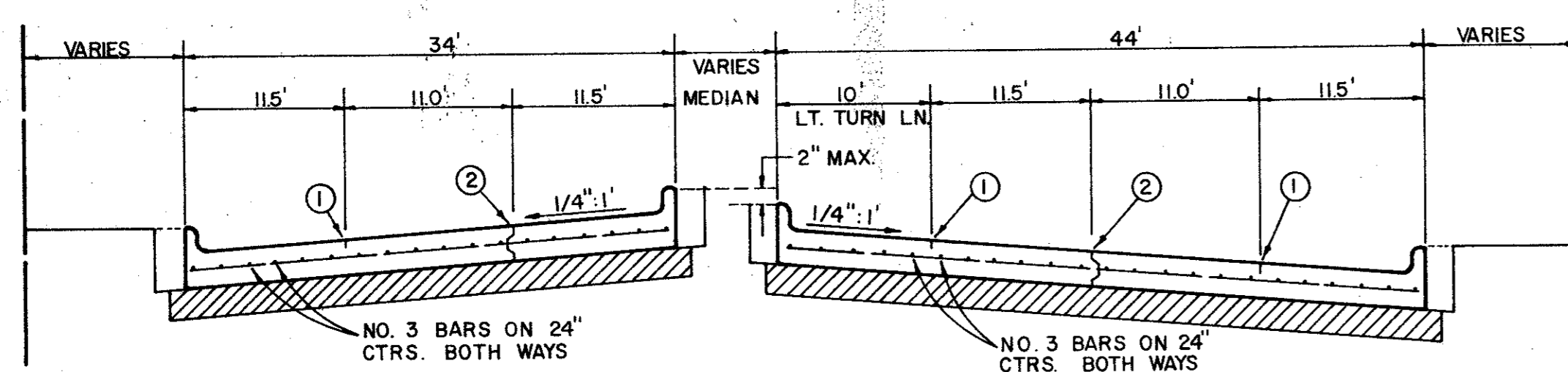
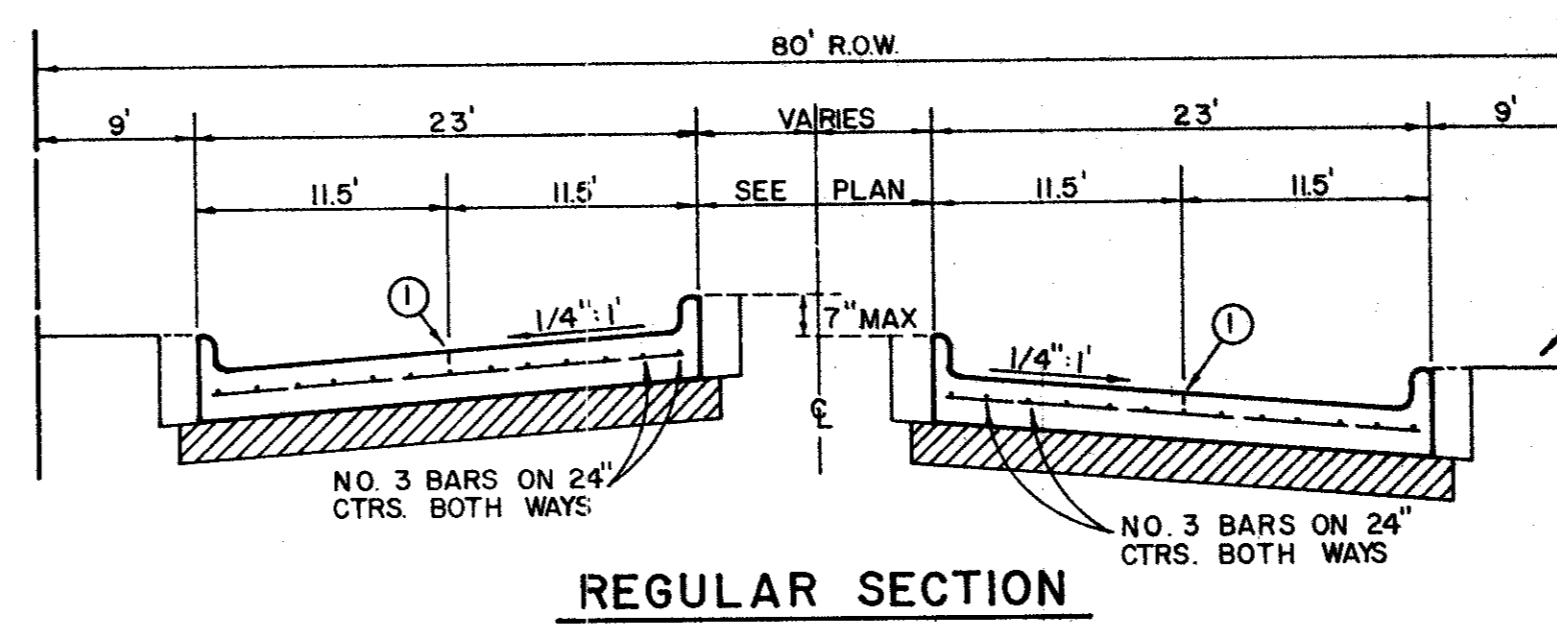
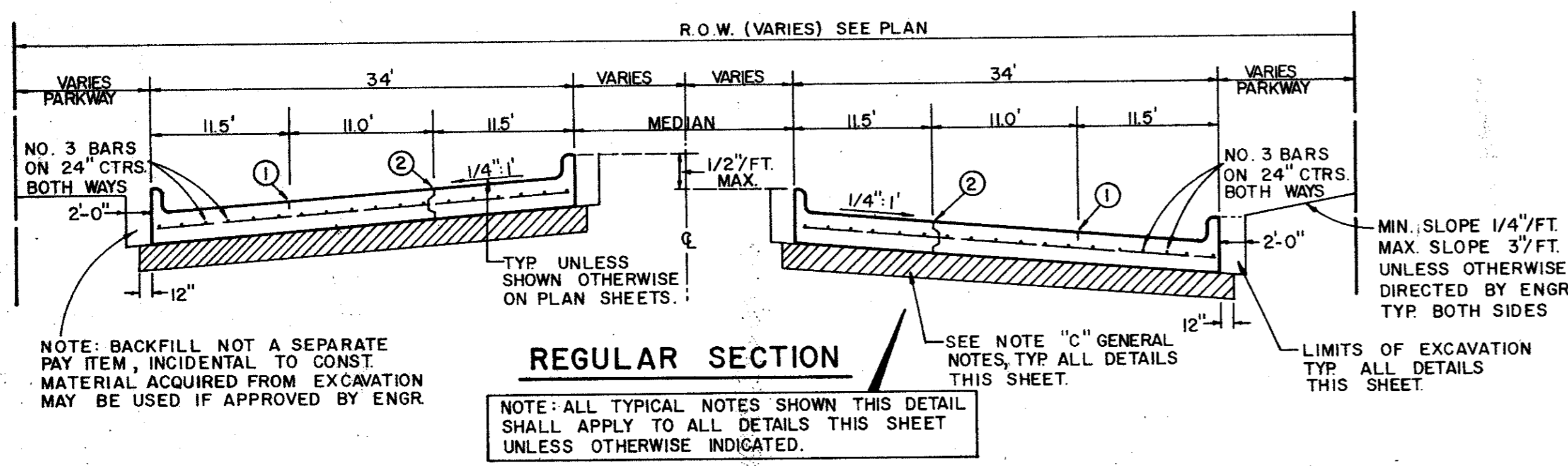
STA. 6+50 TO END

NOTE: 8" Reinf. Conc. Pavement, Class C, 3600 psi at 28 days (compressive) or 600 psi at 7 days (flexural). Pay Item 360.1.
Integral Concrete Curb & Gutter. Pay Item 530.1.
6" Thick Lime Stabilized Subgrade. Pay Item 262, 264.

B.M. "□" on edge of Conc. Apron at
E of Doorway of Water Tower.
Elev. 638.66

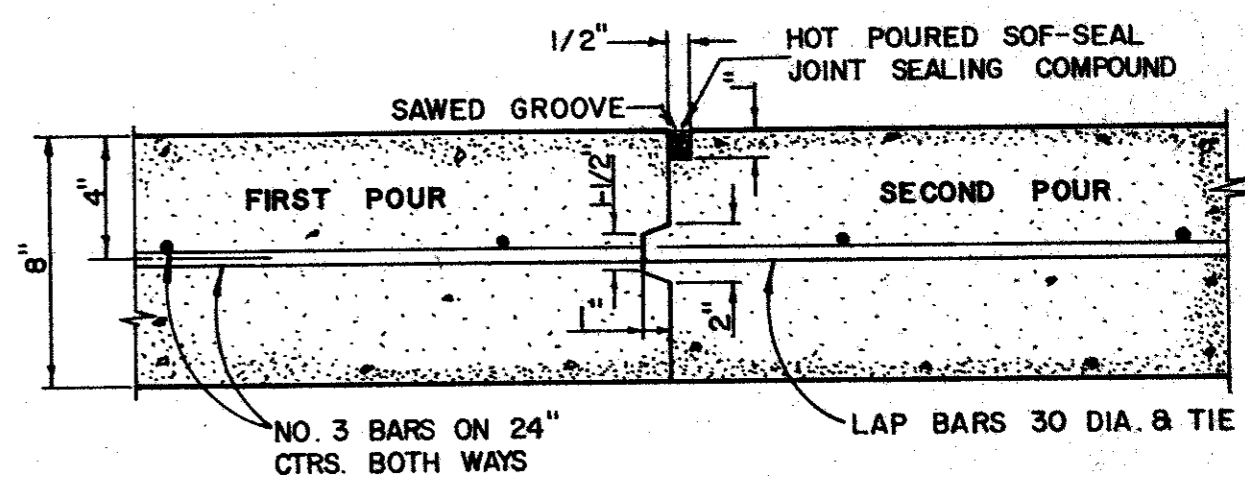
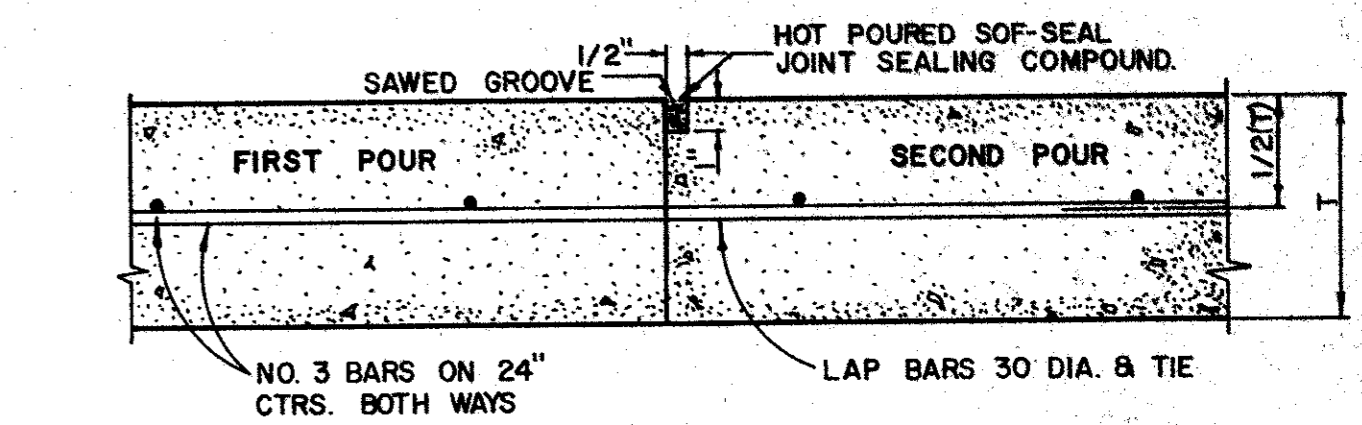
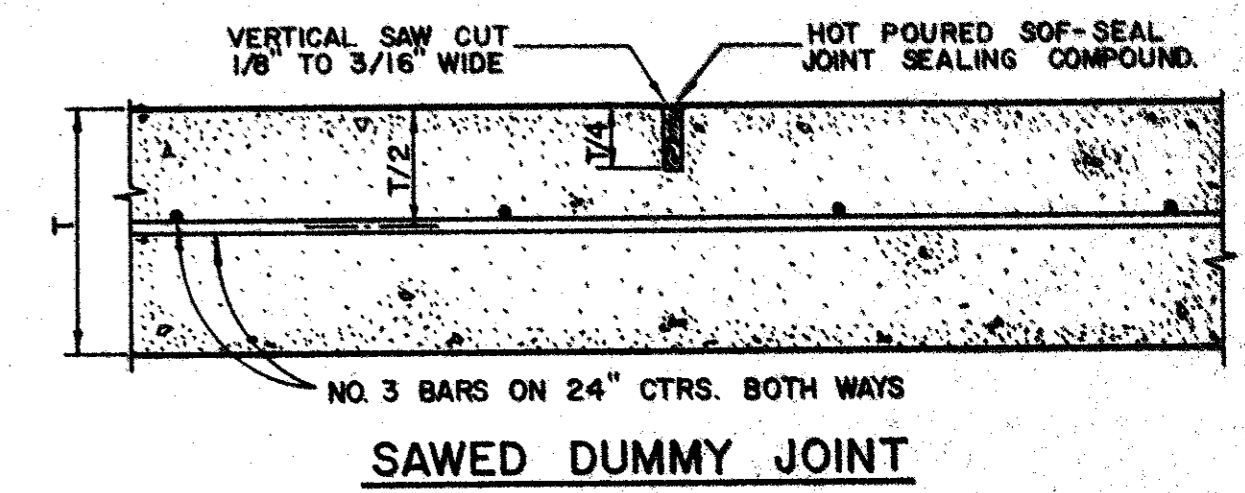


No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS MILDRED STREET IMPROVEMENTS PAVING STA. 8+50 TO STA. 11+45± GINN, INC. Consulting Engineers Dallas, Texas			
Designed - TEC	Drawn - TEC	Date - May, 1990	Job No. - 90439
Approved - HWG	Checked - GF	Scale - 1" = 20' H / 1" = 5' V	Sheet M3 of



LEFT TURN SECTION
MAJOR ARTERIAL

LEFT TURN SECTION
MINOR ARTERIAL



SAWED DUMMY JOINT

CONSTRUCTION JOINT FOR 6 INCH PAVEMENT

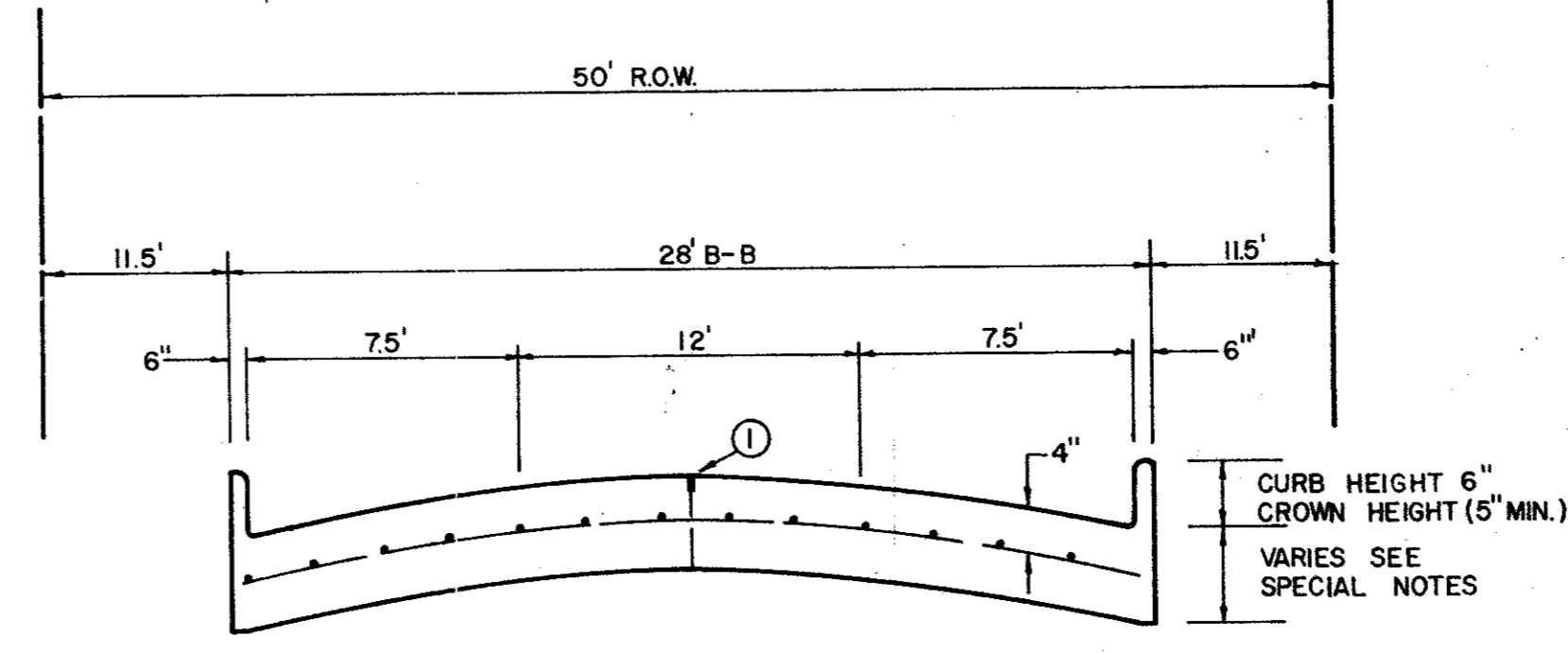
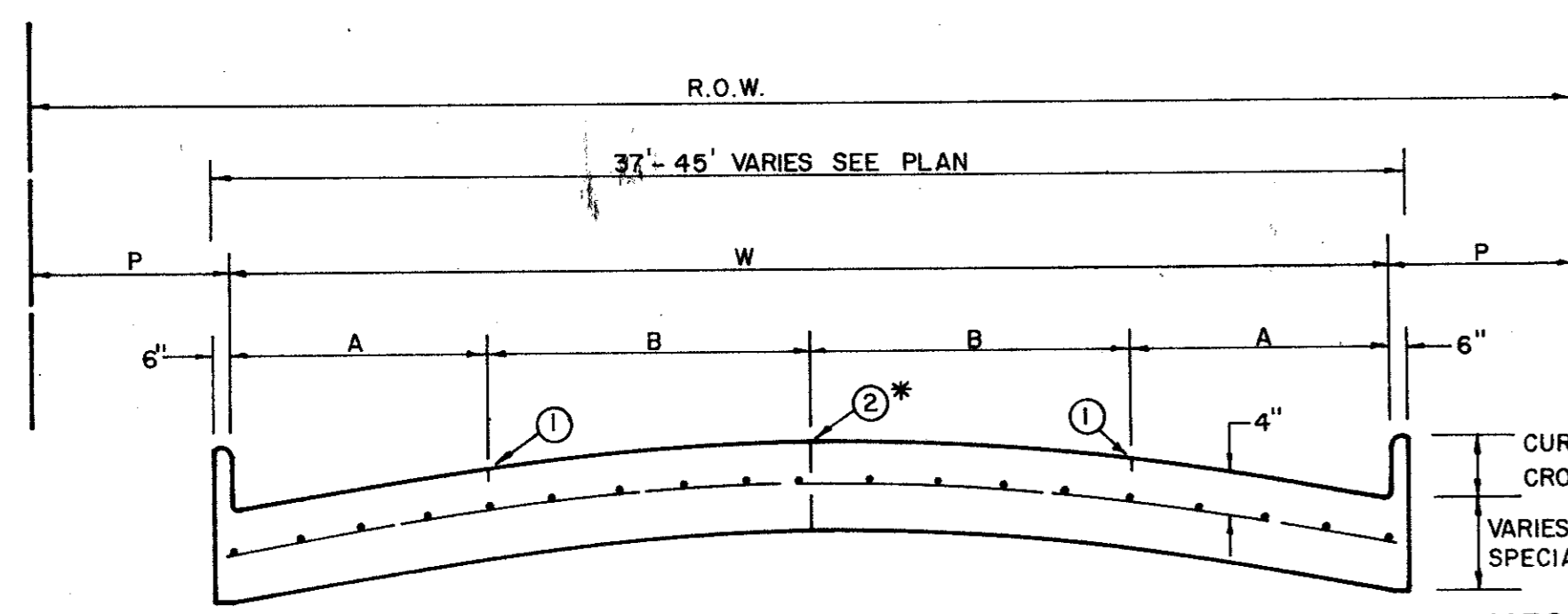
CONSTRUCTION JOINT FOR 8 INCH PAVEMENT

GENERAL NOTES

- A. GENERAL PAVEMENT THICKNESS FOR STREETS SHALL BE AS SPECIFIED BELOW IN SPECIAL NOTES.
- B. STANDARD SPECIFICATIONS REINFORCED CONCRETE PAVEMENTS
- C. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT
- D. CURBS SHALL MEET THE SAME COMPRESSIVE STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
- E. DETAIL AND ARRANGEMENT OF JOINTS, ALL TYPES, SHALL BE AS SHOWN ON THE STANDARD CONSTRUCTION DETAILS, OR AS APPROVED BY ENGINEER.
- F. BAR LAPS SHALL BE 30 DIAMETERS.
- G. 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.
- H. BAR CHAIRS OR AN APPROVED SUPPORTING DEVICE SHALL BE FURNISHED.
- I. CROSS SLOPE SHALL BE 1/4" PER FOOT UNLESS APPROVED BY ENGINEER.

SPECIAL NOTES

- PAVEMENT THICKNESS AND STRENGTH SHALL BE AS FOLLOWS:
- TYPE A, B, OR STATE HIGHWAY
8" - 3000 PSI COMP. OR 6" - 800 PSI FLEXURAL
 - TYPE C (EXCEPT STATE HIGHWAY, MAJOR ARTERIAL)
8" - 3000 PSI COMP. OR 6" - 750 PSI FLEXURAL
 - TYPE D (MINOR ARTERIAL)
8" - 3000 PSI COMP. OR 6" - 650 PSI FLEXURAL
 - TYPE E (RETAIL THRU INDUSTRIAL)
8" - 3000, 6" - 850 PSI FLEXURAL
 - TYPE F, G, OR H (RESIDENTIAL)
6" - 1000 PSI COMP.



FOUR MOVING LANES OR TWO MOVING LANES/TWO PARKING LANES

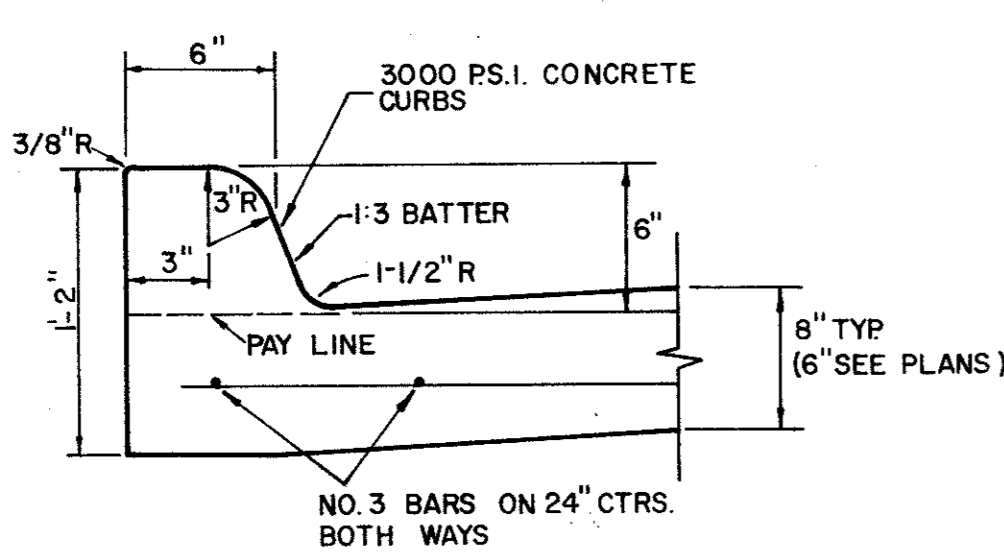
ONE MOVING LANE / TWO PARKING LANES

STREET TYPE	STREET WIDTH (W)	A	B	R.O.W. WIDTH	P
COLLECTOR	36'	8'	10'	60'	11.5'
COLLECTOR	40'	8' OR 10'	10' OR 12'	60'	9.5'
COLLECTOR	44'	11'	11'	65'	10.0'

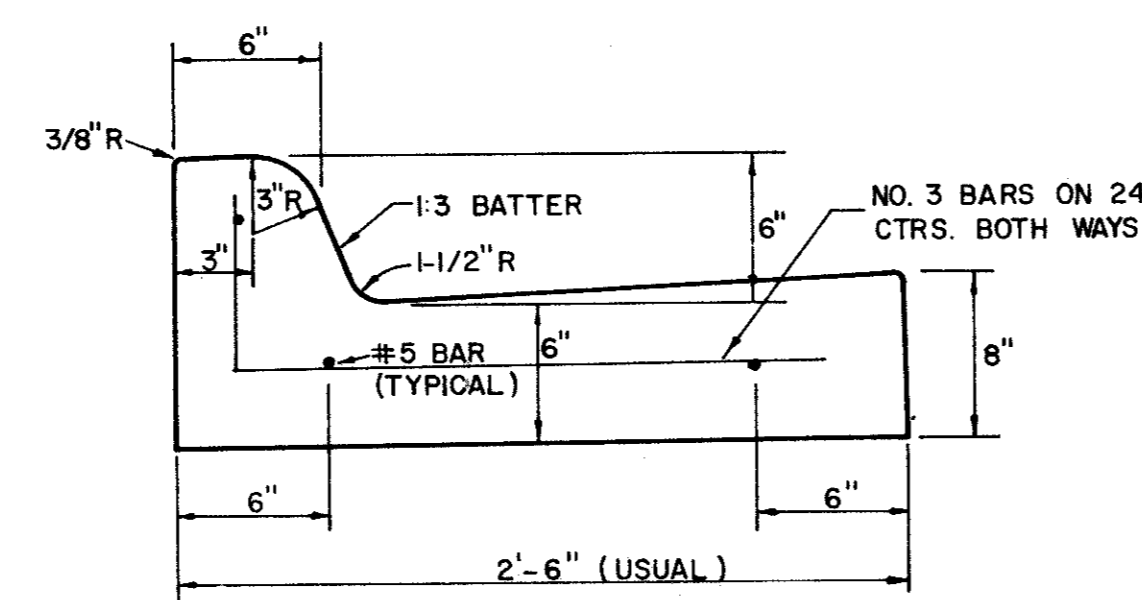
* FULL WIDTH PAVEMENT OF 36' WIDTH STREETS IS ALLOWED WHERE APPROVED BY THE ENGINEER.

REINFORCED CONCRETE PAVEMENT

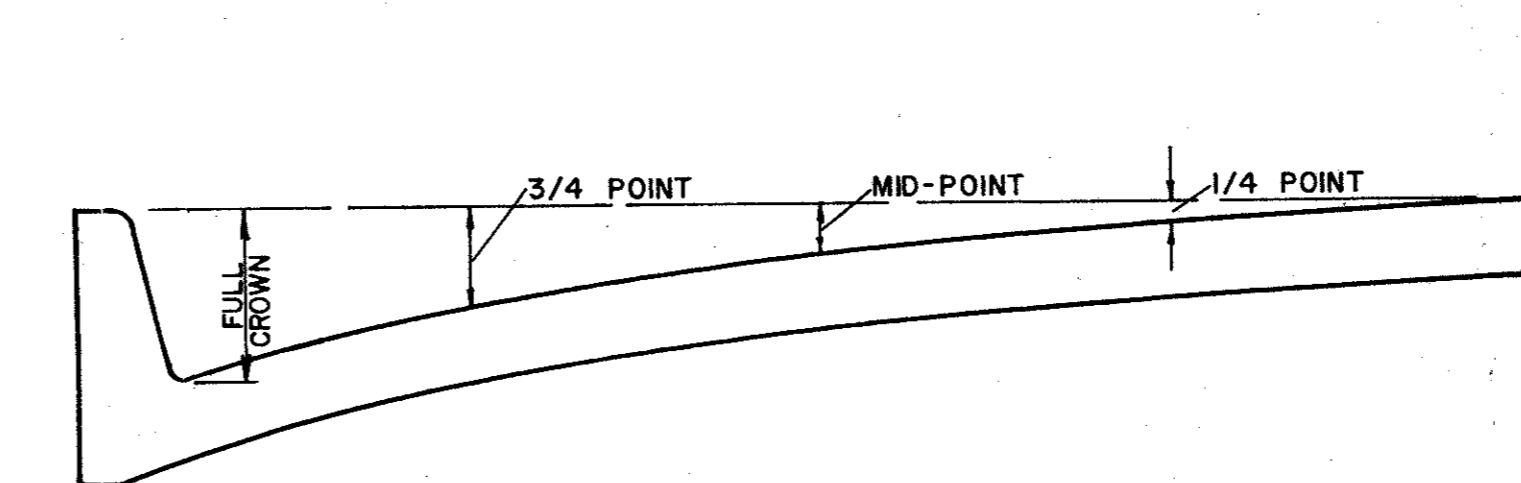
ALL REINFORCING BARS SHALL BE NO. 3 TRANSVERSE BARS TO BE SPACED ON 2'-0" CENTERS; LONGITUDINAL BARS TO BE SPACED ON 2'-0" EXCEPT WHERE NOTED.
 UNDIVIDED STREETS-PROVIDE 4" DBL.-REF YELLOW & BUTT ON P-117-Y PATTERNS TO BE ESTABLISHED BY ENGINEER. SEE DETAIL SHEET
 ① SAWED LONGITUDINAL DUMMY JOINT.
 ② CONSTRUCTION JOINT (FULL WIDTH PAVT) IS ALLOWED WHERE APPROVED BY ENGINEER.



INTEGRAL CURB



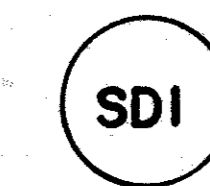
SEPARATE CURB AND GUTTER



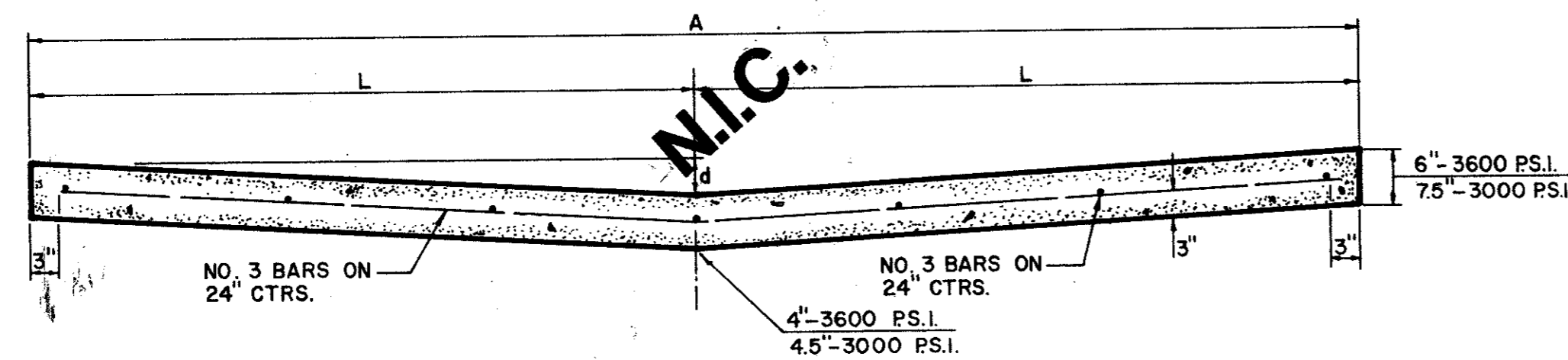
ROADWAY WIDTH (W)	TOTAL CROWN HEIGHT	3/4 POINT	MID-POINT	1/4 POINT
26'	6"	3 - 3/8"	1 - 1/2"	3/8"
36'	6"	3 - 3/8"	1 - 1/2"	3/8"
44'	6"	3 - 3/8"	1 - 1/2"	3/8"
48'	6"	3 - 3/8"	1 - 1/2"	3/8"

TABLE OF CROWN HEIGHTS AND ORDINATES FOR VARIOUS PARABOLIC SECTIONS

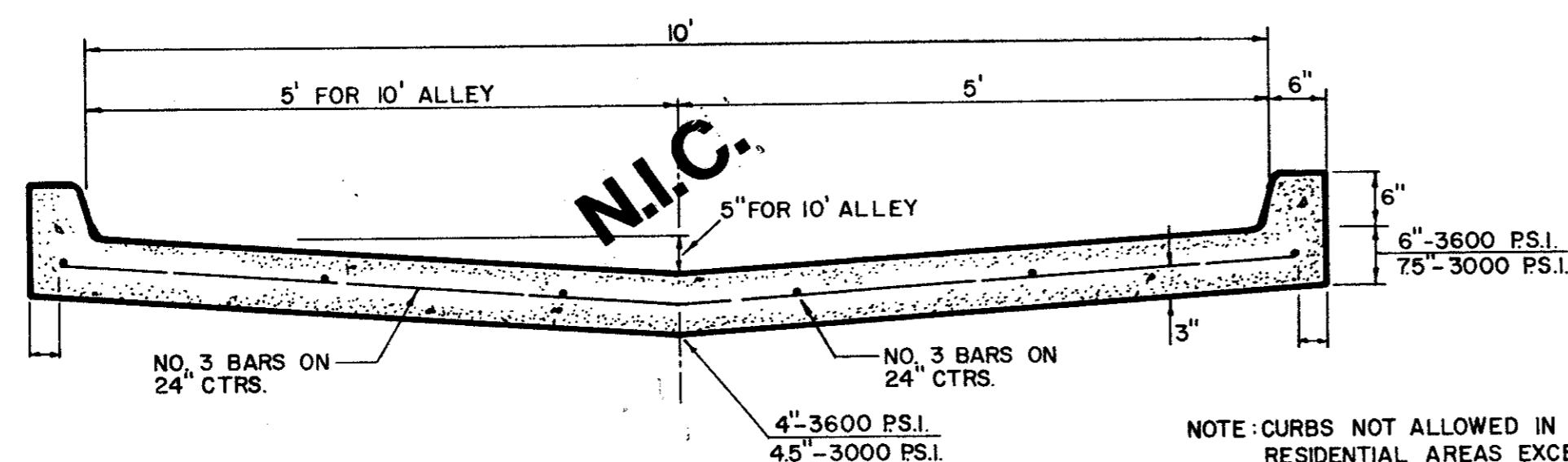
No.	Revision	By	Date
STANDARD CONSTRUCTION DETAILS PAVING			
STREET CROWNS & JOINTS			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed -	Drawn -	Date - June, 1990	Job No. - 90439
Approved -	Checked -	Scale -	Sheet M4 of



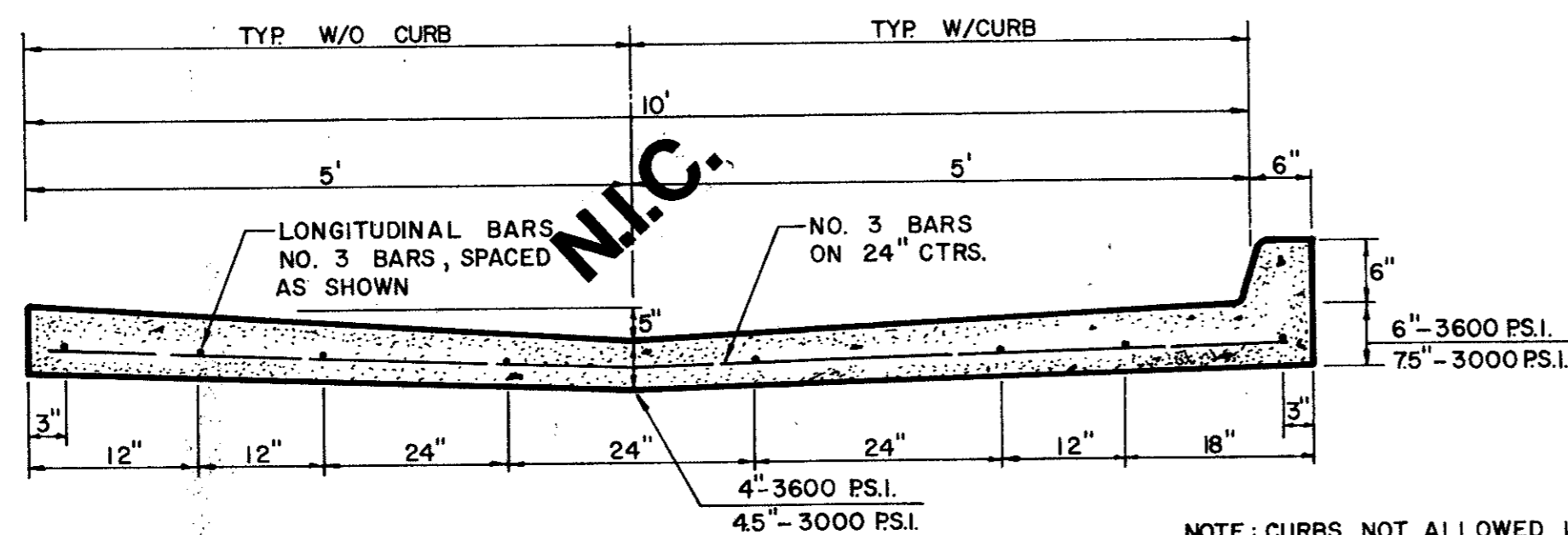
ALLEY WIDTH (A)	HALF SECTION WIDTH (L)	INVERT DEPTH (d)
10'	5'	5"
12'	6'	6"
16'	8'	6"
20'	10'	6"



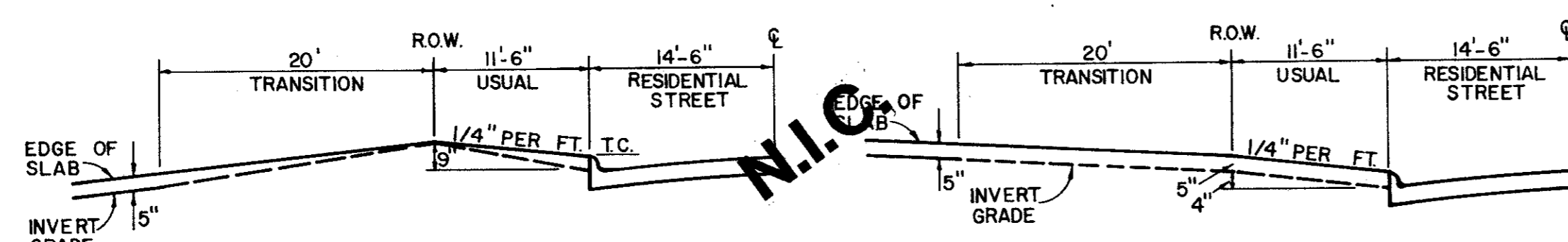
STANDARD 10', 12', 16', & 20' ALLEY SECTION



STANDARD ALLEY SECTION WITH CURBS



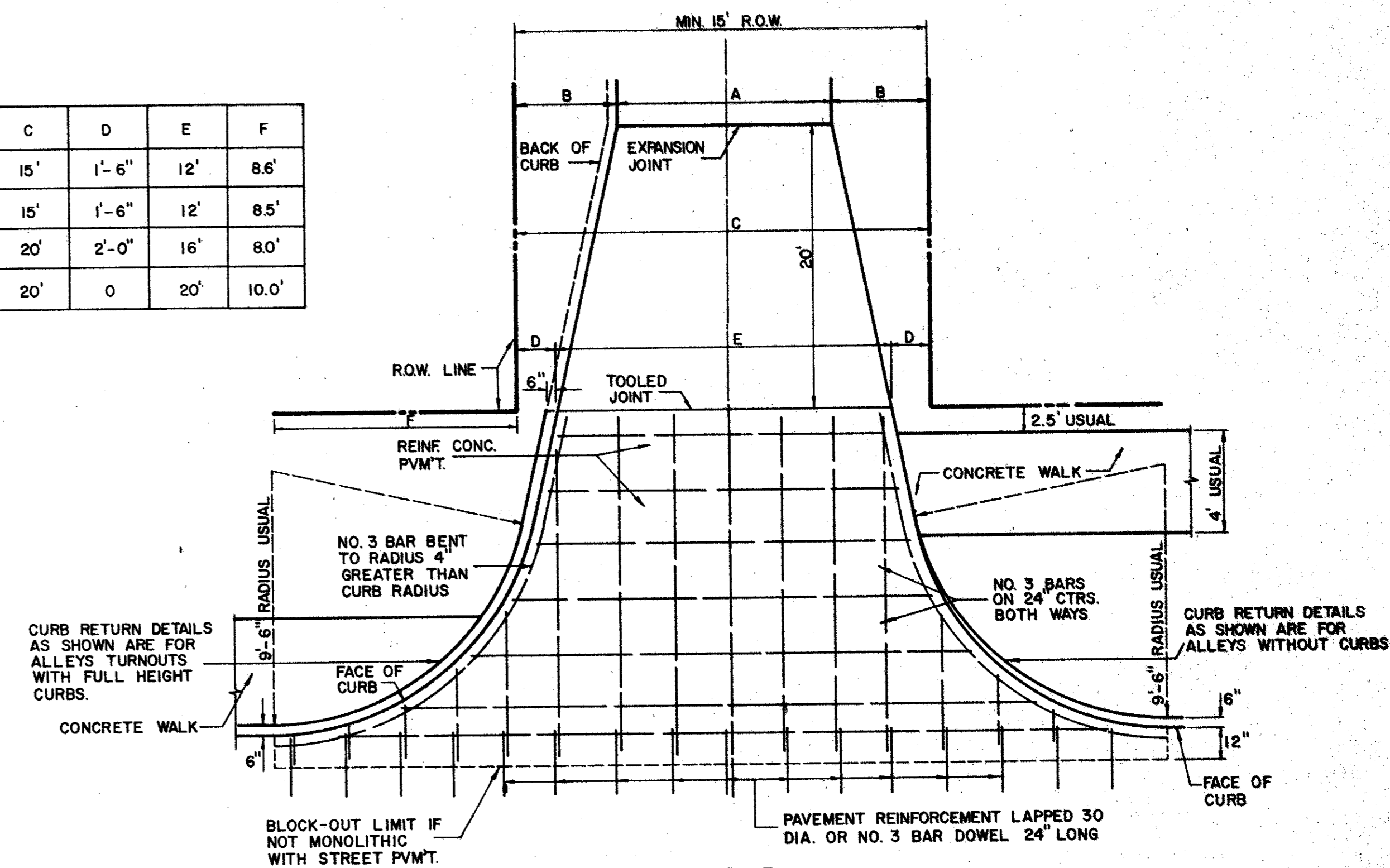
ALTERNATE 10' ALLEY SECTION / CURB



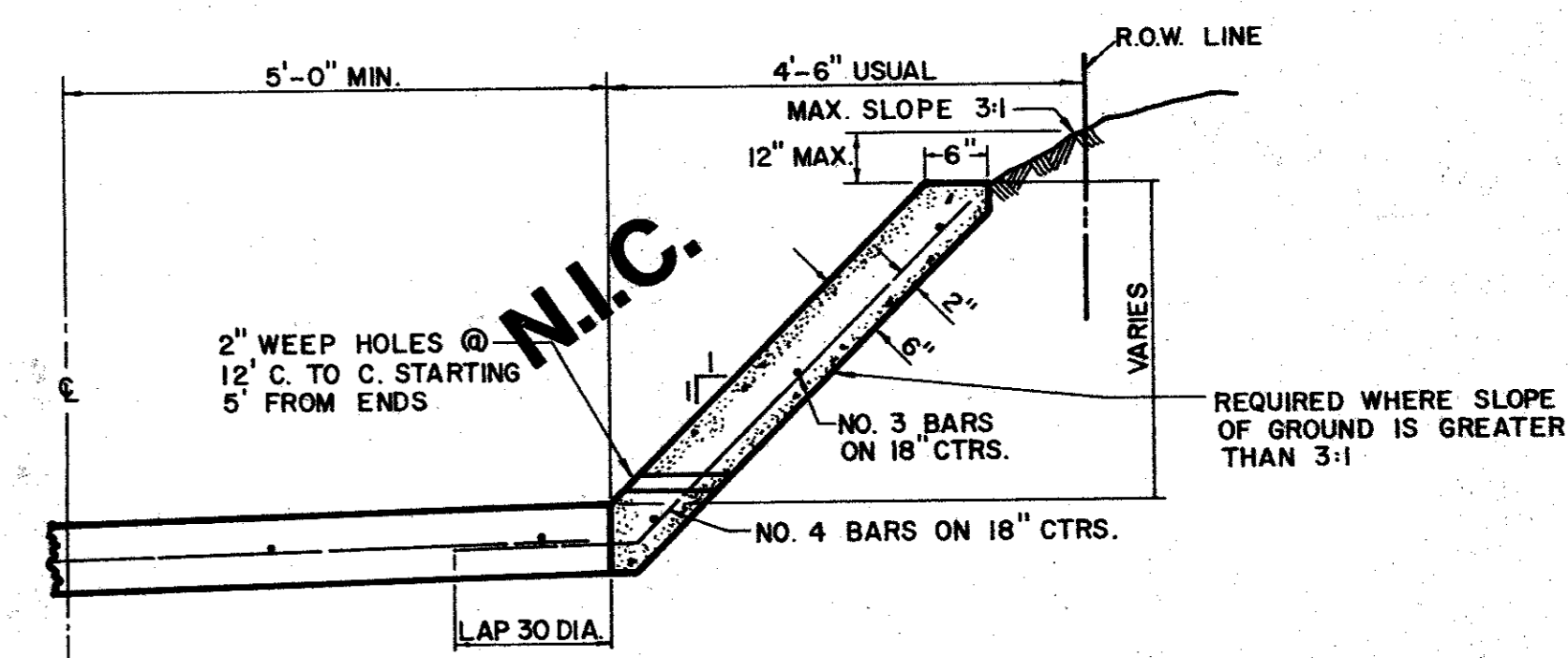
TYPE I ALLEY ENTRANCE

TYPE II ALLEY ENTRANCE

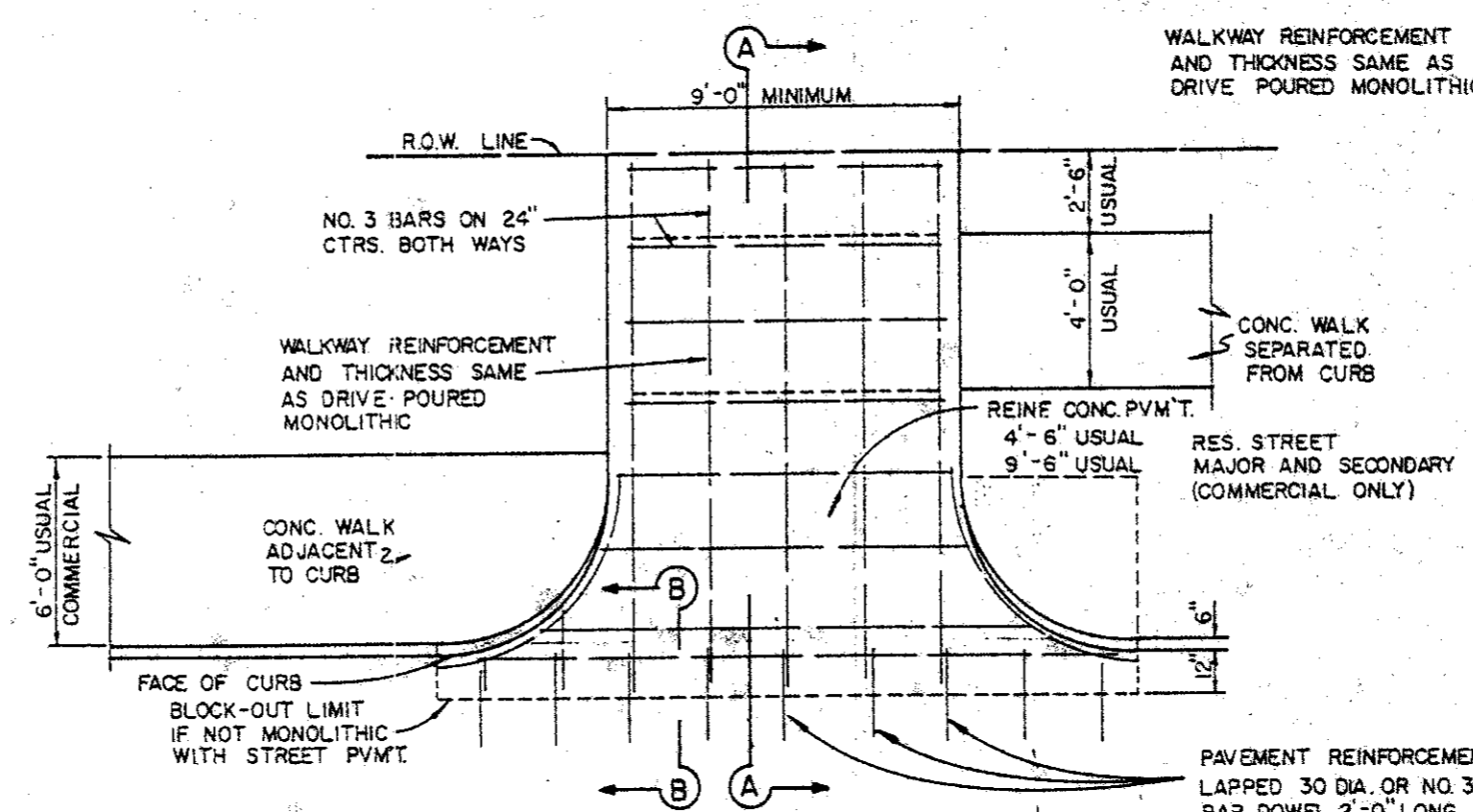
ALLEY WIDTH	A	B	C	D	E	F
10'	10'	2'-6"	15'	1'-6"	12'	8.6'
12'	12'	1'-6"	15'	1'-6"	12'	8.5'
16'	16'	2'-0"	20'	2'-0"	16'	8.0'
20'	20'	0	20'	0	20'	10.0'



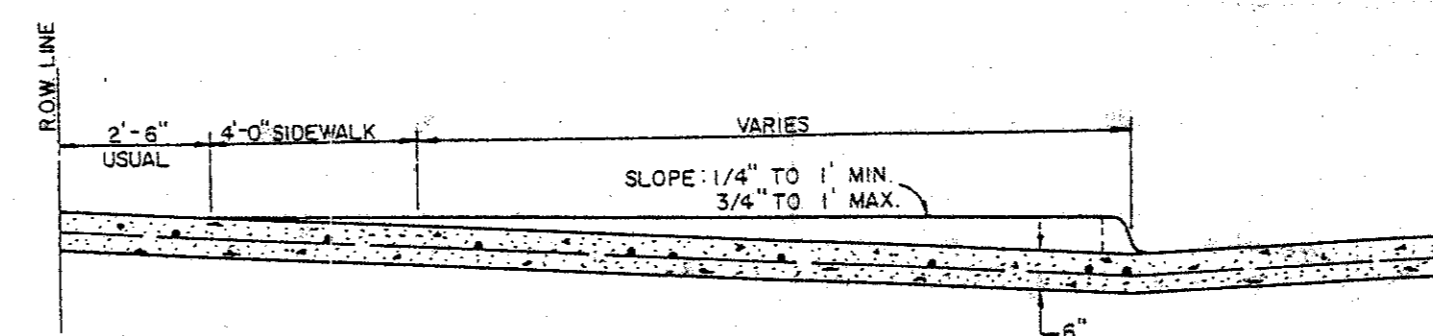
ALLEY RETURN DETAILS



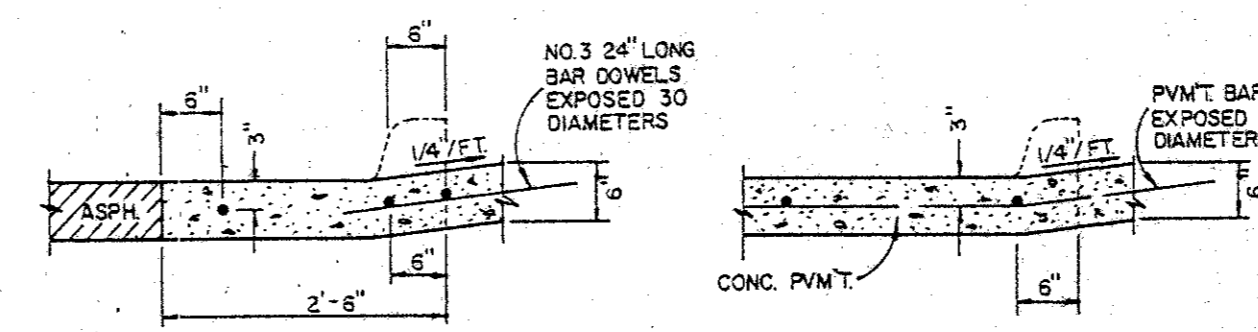
ALLEY SLOPE PROTECTION



DRIVEWAY RETURN TO STREET



SECTION A-A



SECTION B-B

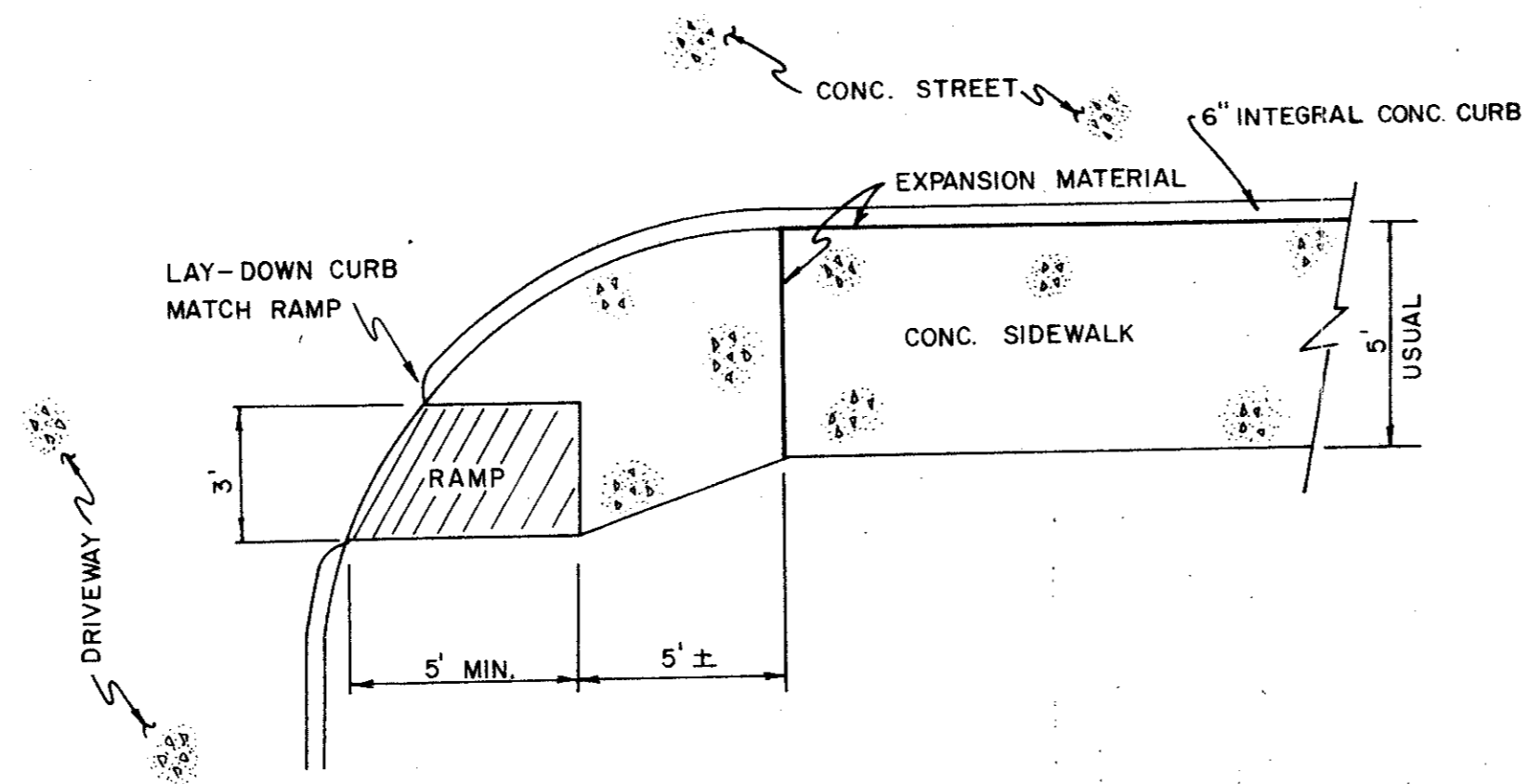
DRIVEWAY RETURN DETAILS

GENERAL NOTES FOR ALLEYS AND DRIVEWAYS

1. CONCRETE FOR ALLEY RETURNS AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS IDENTICAL TO THAT SPECIFIED FOR THE STREET PAVEMENT OR BASE WHEN BUILT AS COMPONENTS OF A CONCRETE PAVING PROJECT WHEN BUILT SEPARATELY, THE STRENGTH SHALL BE AS SPECIFIED ON THE CONSTRUCTION PLANS.
2. CONCRETE FOR ALLEY PAVEMENT SHALL BE OF THE STRENGTH SPECIFIED ON THE CONSTRUCTION PLANS. (3000 P.S.I. OR 3600 P.S.I. MINIMUM COMPRESSIVE)
3. SPACING AND CONSTRUCTION OF JOINTS SHALL CONFORM TO STREET PAVEMENT DETAILS.

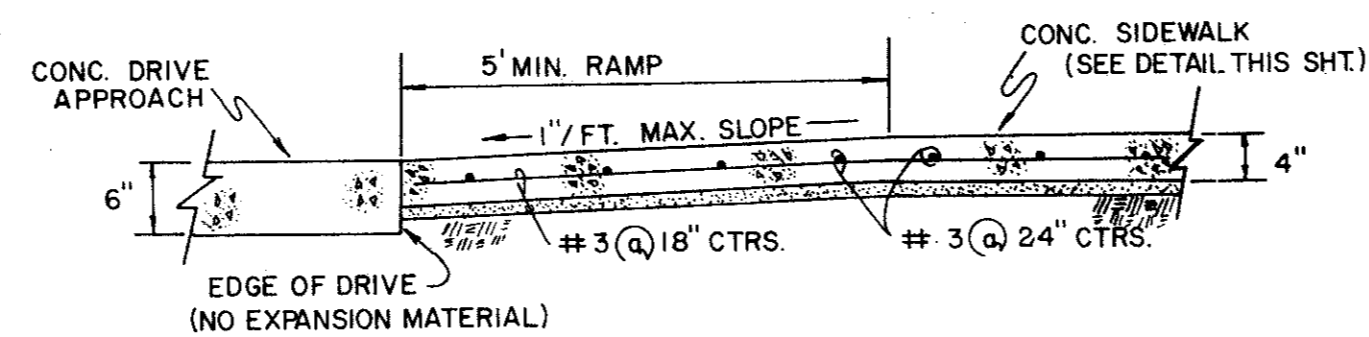
No.	Revision	By	Date
STANDARD CONSTRUCTION DETAILS PAVING			
ALLEY & DRIVEWAY RETURNS			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed -	Drawn -	Date - June, 1990	Job No. - 90439
Approved -	Checked -	Scale -	Sheet M6 of

SD4



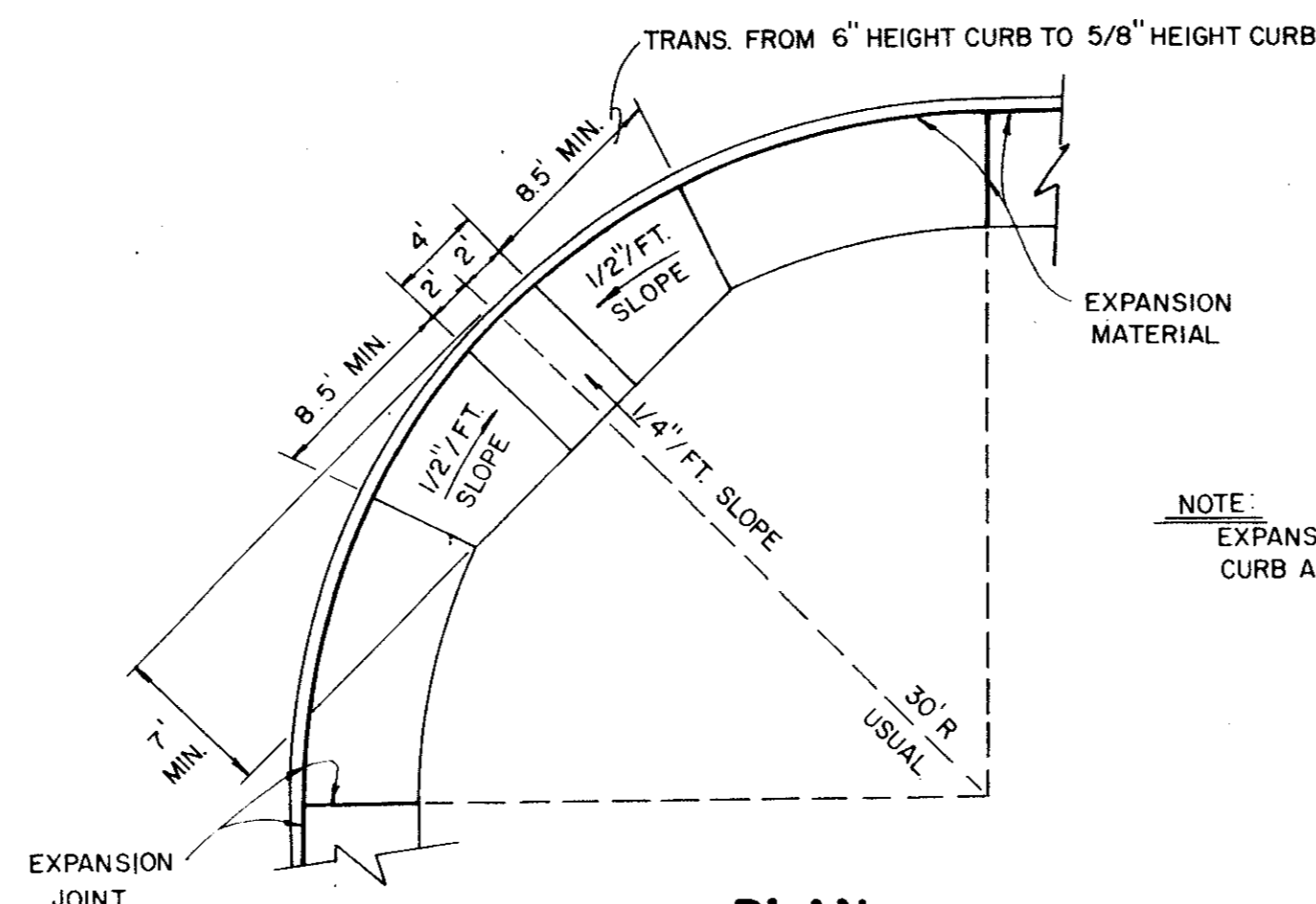
PLAN

NOTE:
MODIFY RAMP TO
FIT DIFFERENT RADIUS



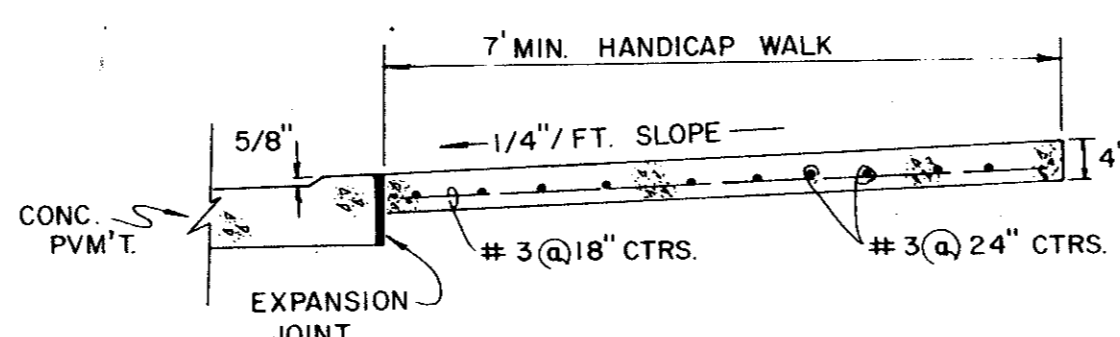
SECTION

**BARRIER FREE RAMP AT DRIVEWAY
DETAIL**



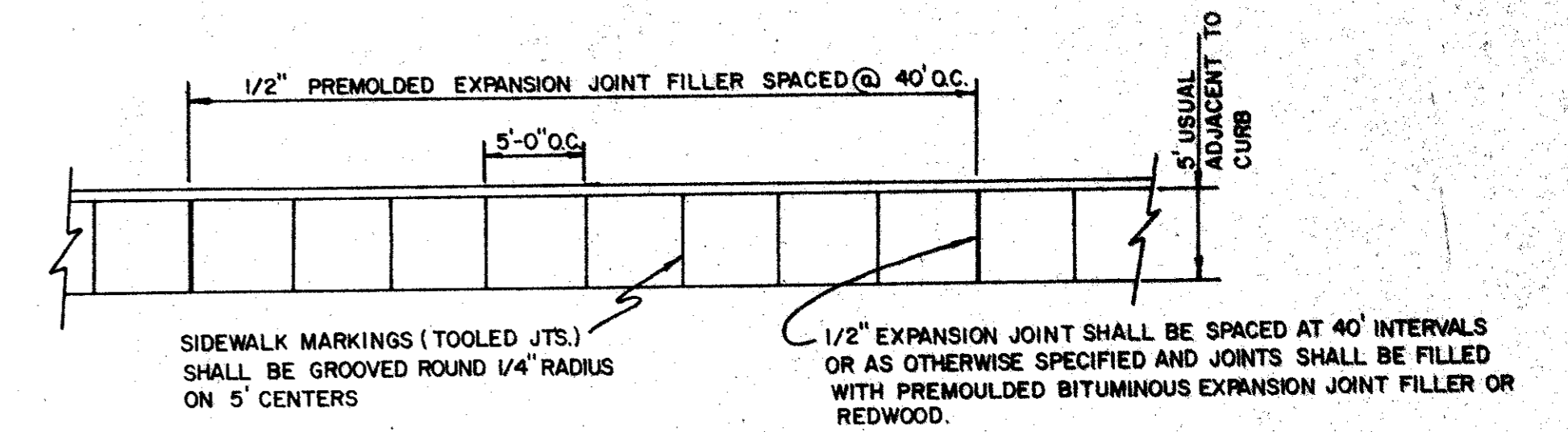
PLAN

NOTE:
EXPANSION MATERIAL ALONG
CURB AND AT CURB RETURNS

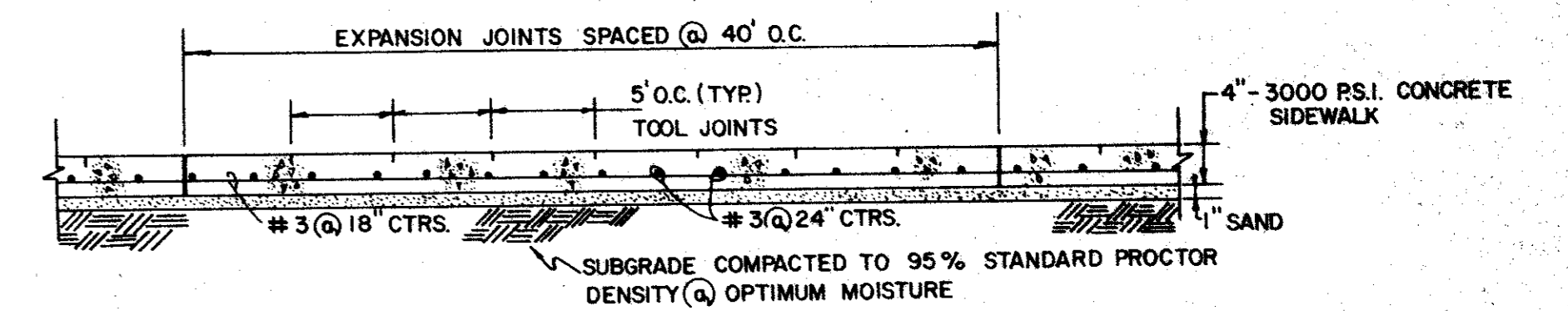


SECTION

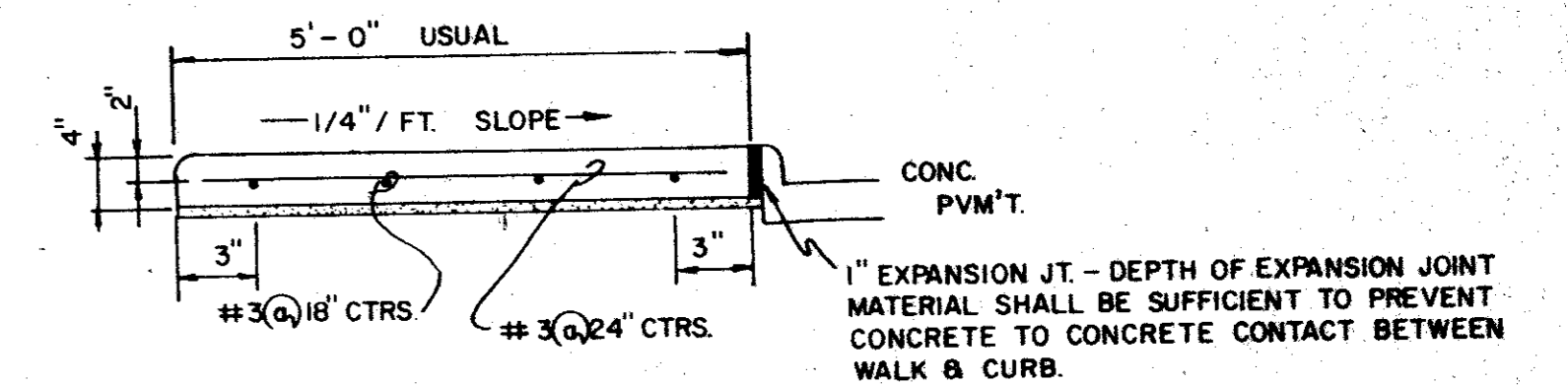
HANDICAP ROLL-DOWN CURB DETAIL



PLAN



SIDE ELEVATION



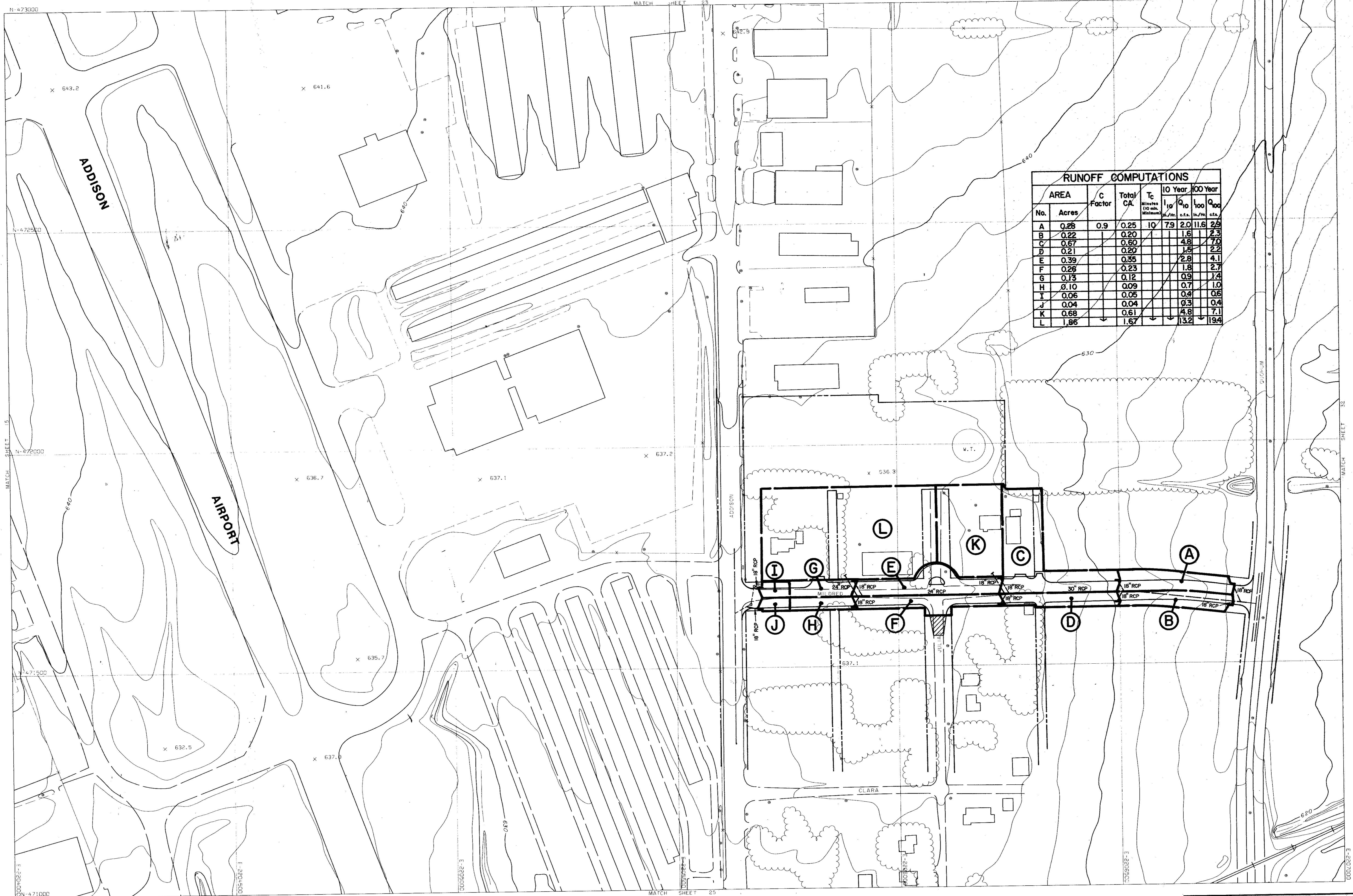
SECTION

CONCRETE SIDEWALK DETAIL

GENERAL NOTES

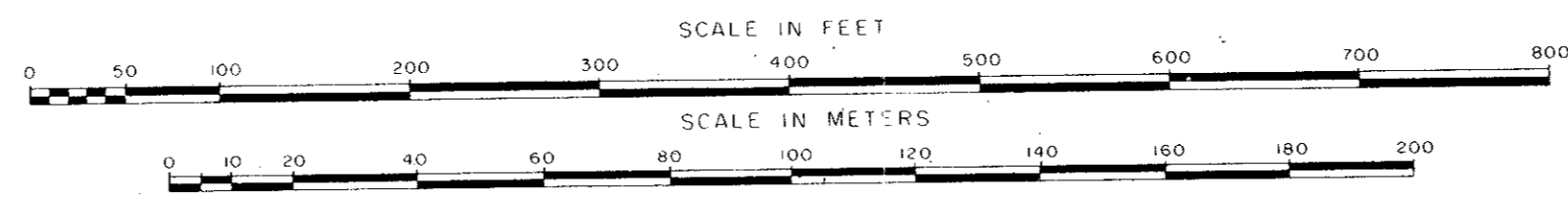
- Reinforced concrete sidewalk shall be five (5) feet wide, a minimum of four (4) inches thick and shall be 3000 psi at 28 days (5 sack mix). Unless noted otherwise.
- Chamfer all exposed edges of concrete (1/4) inch.
- All bar dimensions are given as center to center of bars and are located as shown.
- All reinforcing steel shall be No. 3 on 18 inch centers longitudinally, 24 inch centers transversely and shall conform to the requirements of ASTM A-615, Grade 60.
- 1" thick min. fine, washed sand cushion shall be free from organic materials or clays and shall be used for grade adjustment.
- Subgrade shall be compacted to a density not less than 95% at optimum moisture.
- Tooled joints (contraction joints) shall be on five (5) foot centers and shall be round one-fourth (1/4) inch radius.
- A one-half (1/2) inch expansion joint shall be placed every eight (8) foot centers, and where works abut old work, or where new work is constructed adjacent to other concrete, a one (1) inch expansion joint shall be used where sidewalk is adjacent to curb, the expansion joint shall be made of pre-molded bituminous expansion joint filler or redwood.
- Sidewalks shall be finished by lightly brooming surface transversely to direction of main traffic or where adjacent sidewalks differ from this standard, new sidewalks shall conform to adjacent sidewalk (e.g. exposed aggregate).
- Cross slope walk one-fourth (1/4) inch per foot towards curb or as shown on the drawings to provide drainage.

NO.	REVISION	BY	DATE
TOWN OF ADDISON, TEXAS DEPARTMENT OF ENGINEERING			
STANDARD CONSTRUCTION DETAILS PAVING			
SIDEWALKS & RAMPS			
APPROVED _____		H. WAYNE GINN, P.E.	
DATE	June, 1990	SHEET	SD-7A



RUNOFF COMPUTATIONS								
No.	AREA Acres	C Factor	Total CA	Tc Minutes (10 min. Minimum)	10 Year		100 Year	
					Q ₁₀ c.f.s.	Q ₁₀₀ c.f.s.	Q ₁₀ c.f.s.	Q ₁₀₀ c.f.s.
A	0.28	0.9	0.25	10	7.9	2.0	11.6	2.6
B	0.22		0.20			1.6	7.3	2.3
C	0.67		0.60			4.9	7.0	7.0
D	0.21		0.20			1.5	2.2	2.2
E	0.39		0.35			2.8	4.1	4.1
F	0.26		0.23			1.8	2.7	2.7
G	0.13		0.12			0.9	1.4	1.4
H	0.10		0.09			0.7	1.0	1.0
I	0.06		0.05			0.4	0.6	0.6
J	0.04		0.04			0.3	0.4	0.4
K	0.68		0.61			4.8	7.1	7.1
L	1.86		1.67			13.2	19.4	19.4

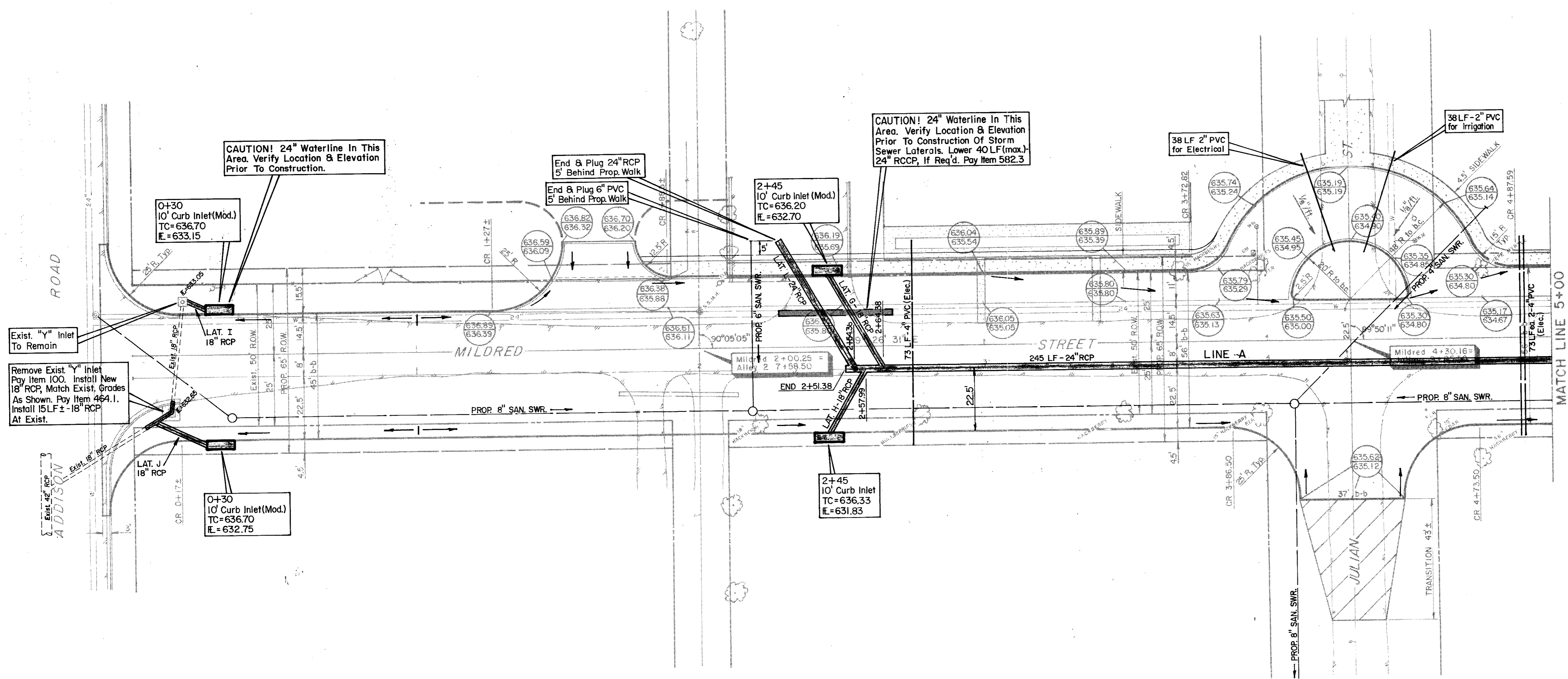
REVISIONS AUG. 1988
 Compiled from aerial photographs taken February 25, 1986 with the Wild RC-8 camera. Horizontal and vertical control was extended from existing U.S. Coast and Geodetic Survey monuments. Further densification was performed by Aero-Triangulation using the Wild BC-1 Avolyt.



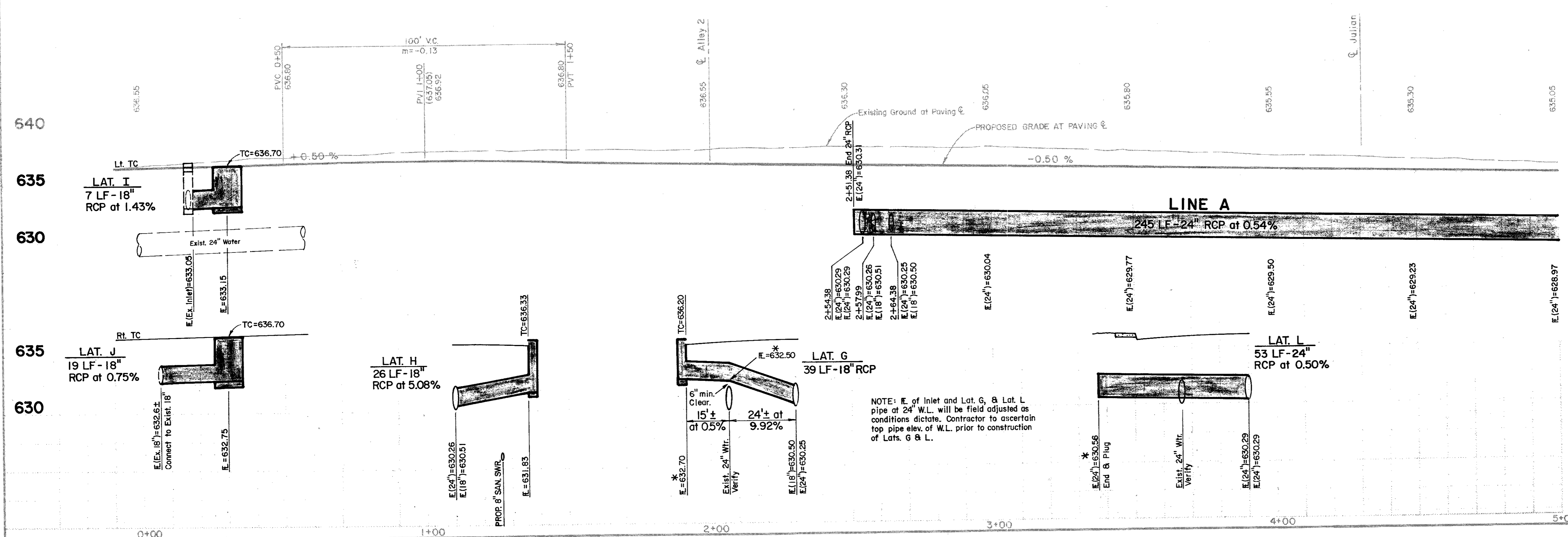
Grid lines and values shown are based on the Texas State Coordinate System, North Central Zone.



TOWN OF ADDISON
 DALLAS COUNTY, TEXAS
MILDRED STREET IMPROVEMENTS
DRAINAGE AREA MAP
 GINN, INC.
 Consulting Engineers Dallas, Texas
 Designed - TEC Drawn - TEC Date - June, 1990 Job No. - 90439
 Approved - HWG Checked - GF Scale - 1" = 100' Sheet MB of



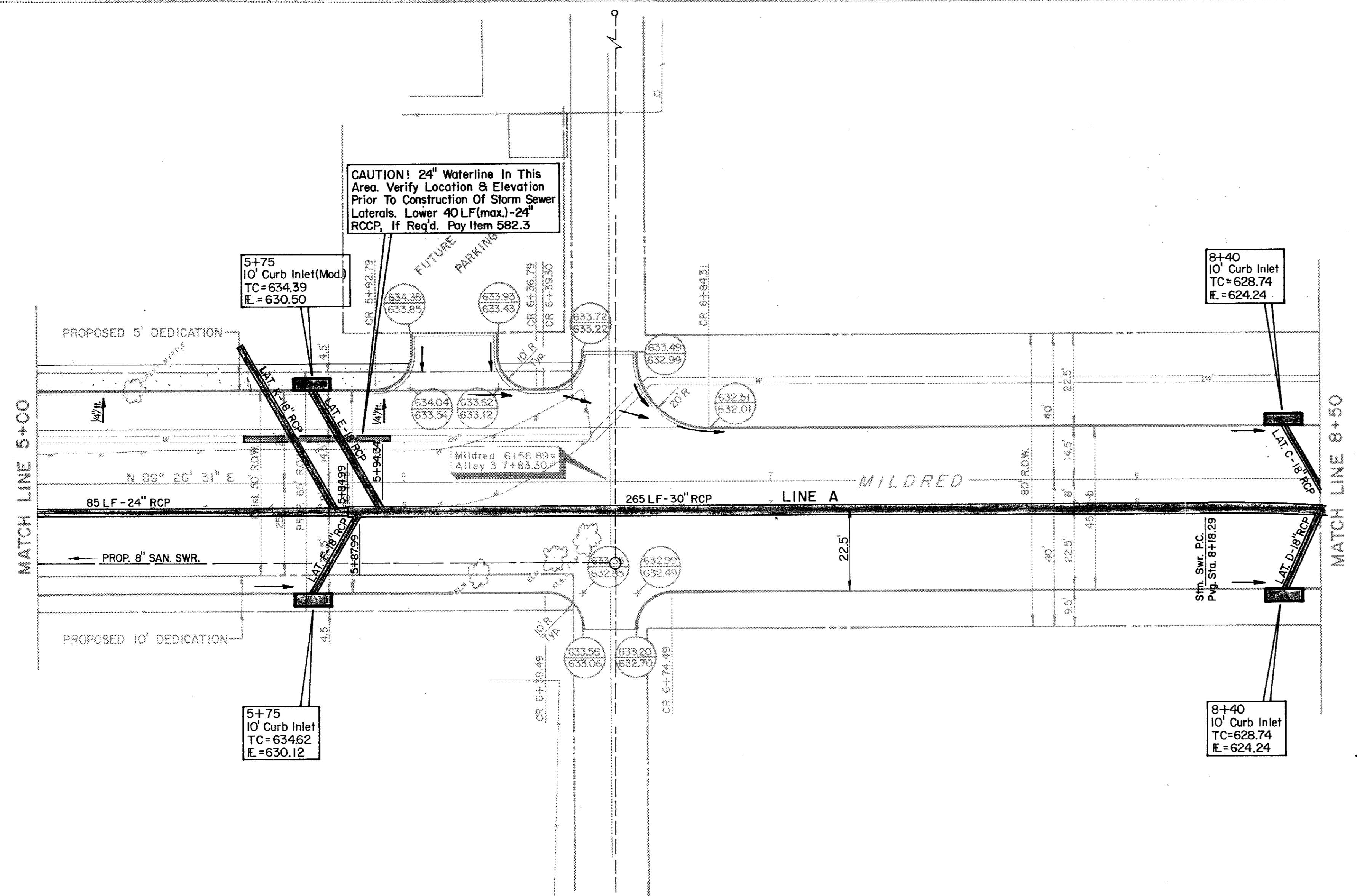
B.M. - "□" on edge of Conc. Apron at
 E of Doorway of Water Tower.
 Elev. 638.66



NOTE: E of Inlet and Lat. G, & Lat. L
 pipe of 24" W.L. will be field adjusted as
 conditions dictate. Contractor to ascertain
 top pipe elev. of W.L. prior to construction
 of Lats. G & L.

NOTE: THIS DRAWING TO BE USED FOR
 STORM DRAINAGE ONLY!

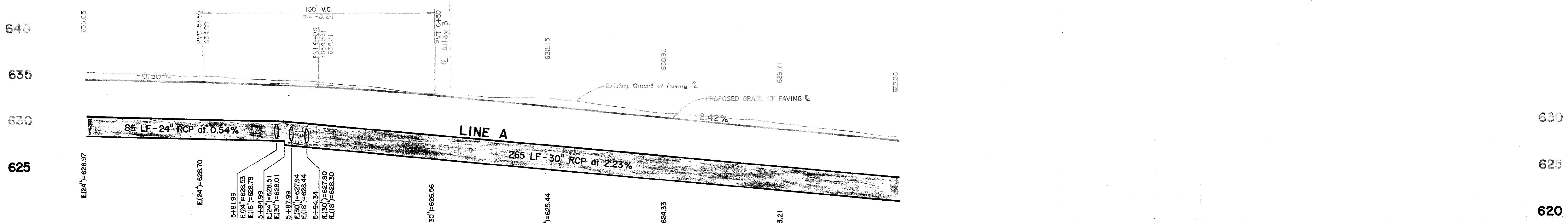
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
MILDRED STREET IMPROVEMENTS			
DRAINAGE			
STA. 0+00 TO STA. 5+00			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - TEC	Drawn - TEC	Date - May, 1990	Job No. - 90439
Approved - HWG	Checked - GF	Scale - 1" = 20'H/1" = 5'V	Sheet M9 of



CAUTION! 24" Waterline in This Area. Verify Location & Elevation Prior To Construction Of Storm Sewer Laterals. Lower 40 LF (max.) 24" RCP, if Req'd. Pay Item 582.3

Storm Sewer
Curve Data
 $\Delta = 07^{\circ}00'52''$
 $R = 815.81'$
 $L = 99.86'$
 $T = 50.00'$

B.M. - "□" on edge of Conc. Apron at
 ☉ of Doorway of Water Tower.
 Elev. 638.66



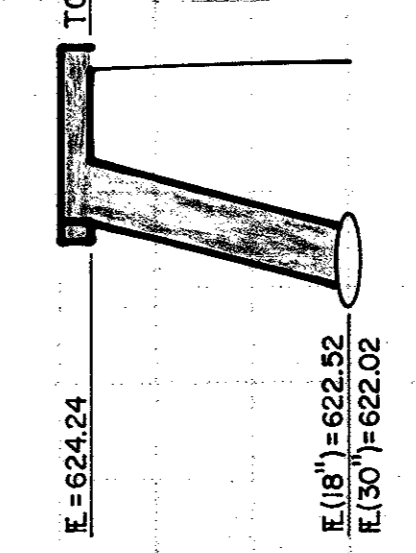
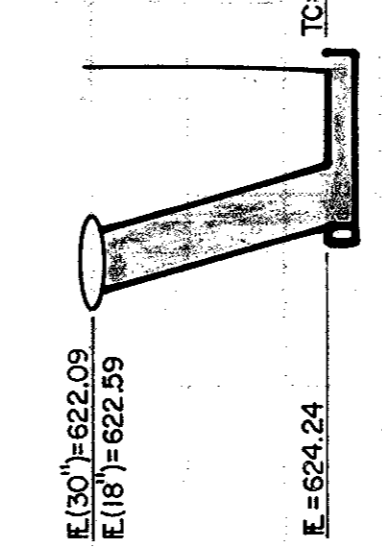
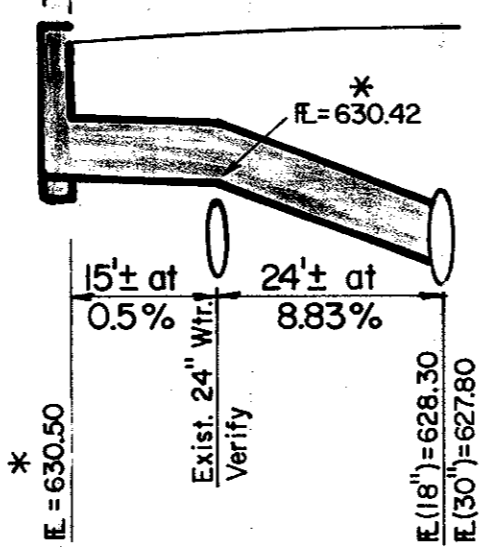
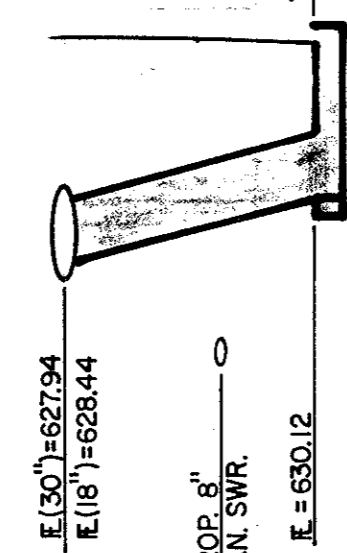
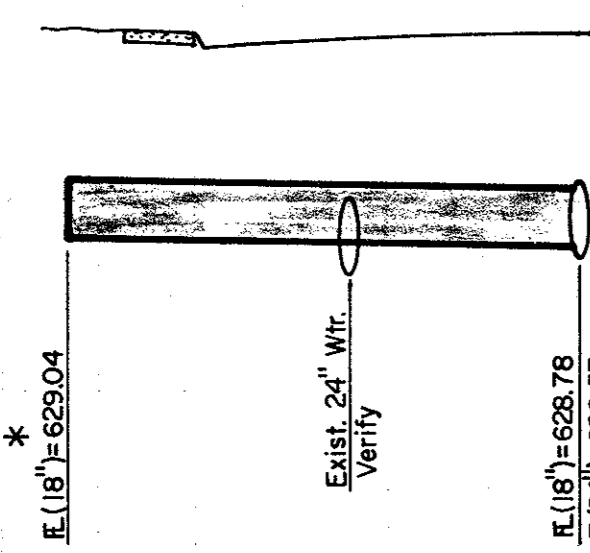
LAT. K
53 LF-18" RCP at 0.50%

LAT. F
26 LF-18" RCP at 10.32%

LAT. E
39 LF-18" RCP

LAT. D
24 LF-18" RCP at 6.81%

LAT. C
27 LF-18" RCP at 6.41%



* NOTE: E. of Inlet and Lat. E & Lat. K pipe at 24" W.L. will be field adjusted as condition dictate. Contractor to ascertain top pipe elevation of W.L. prior to construction of Lats. E & K.

NOTE: THIS DRAWING TO BE USED FOR STORM DRAINAGE ONLY!

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS MILDRED STREET IMPROVEMENTS DRAINAGE STA. 5+00 TO STA. 8+50 GINN, INC. Consulting Engineers Dallas, Texas			
Designed - TEC	Drawn - TEC	Date - May, 1990	Job No. - 90439
Approved - HWG	Checked - GF	Scale - 1" = 20'H/1" = 5'V	Sheet M10 of

MATCH LINE 8+50

Storm Sewer
ROW & Paving
@ Curve Data
 $\Delta = 07^{\circ}00'52''$
 $R = 815.81'$
 $L = 99.86'$
 $T = 50.00'$

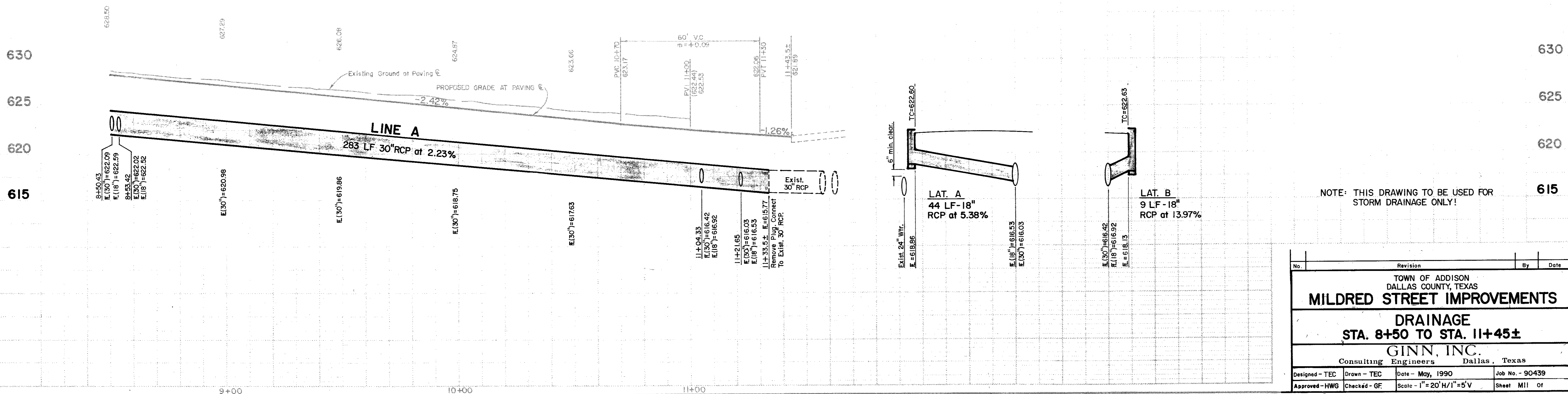
CAUTION! 24" Waterline In This Area. Verify Location & Elevation Prior To Construction.

11+00
10' Curb Inlet (Mod.)
TC=622.60
E=618.86

11+00
10' Curb Inlet
TC=622.63
E=618.13

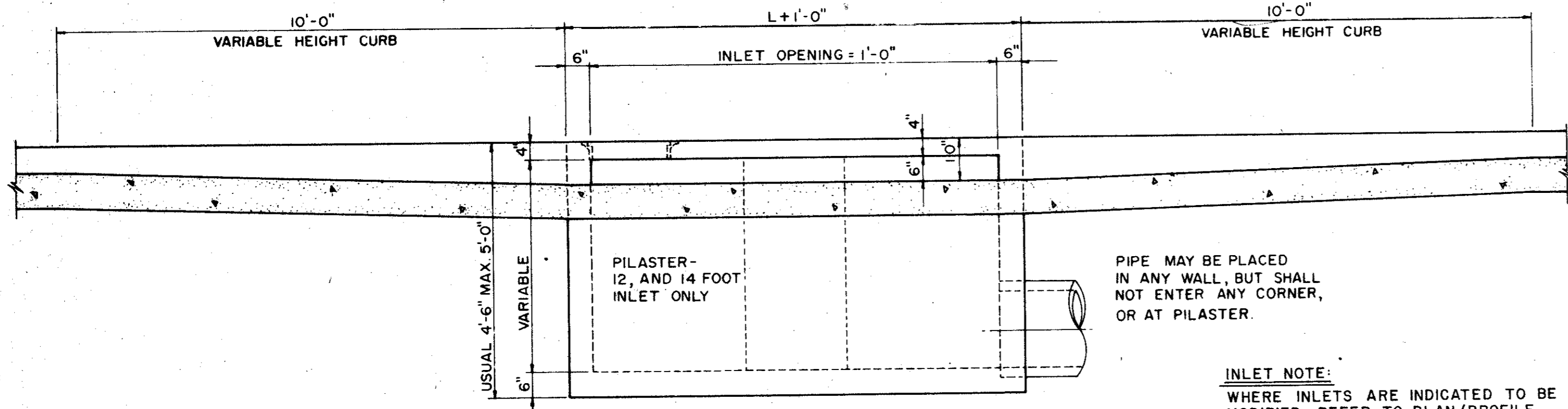
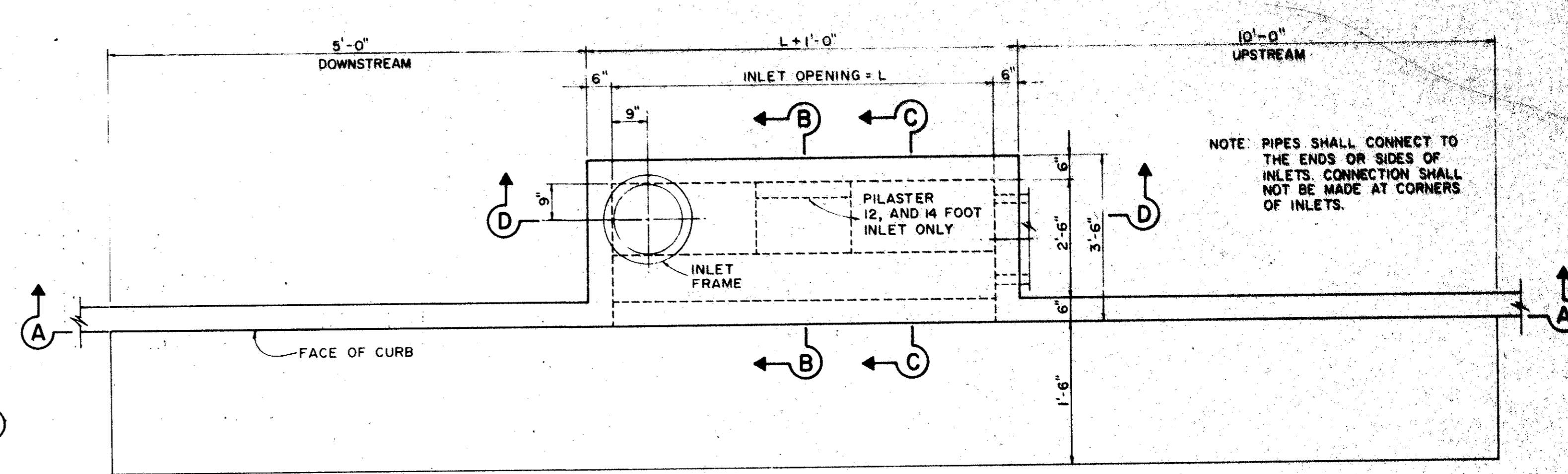
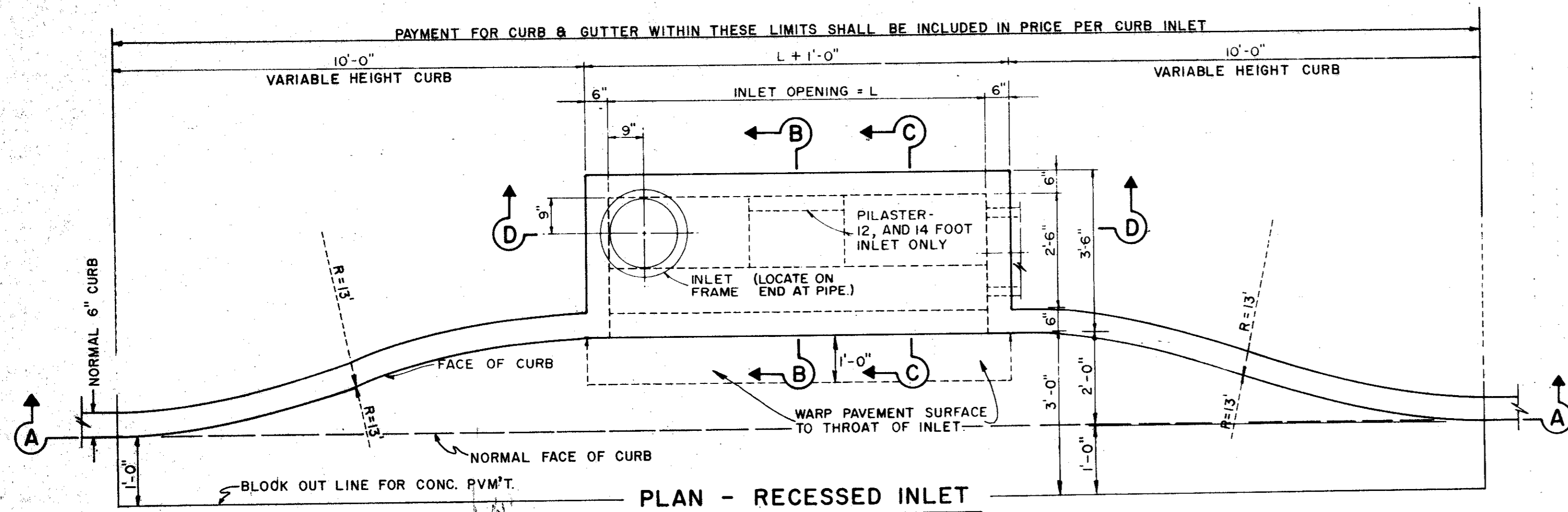


B.M. - "□" on edge of Conc. Apron at
E of Doorway of Water Tower.
Elev. 638.66



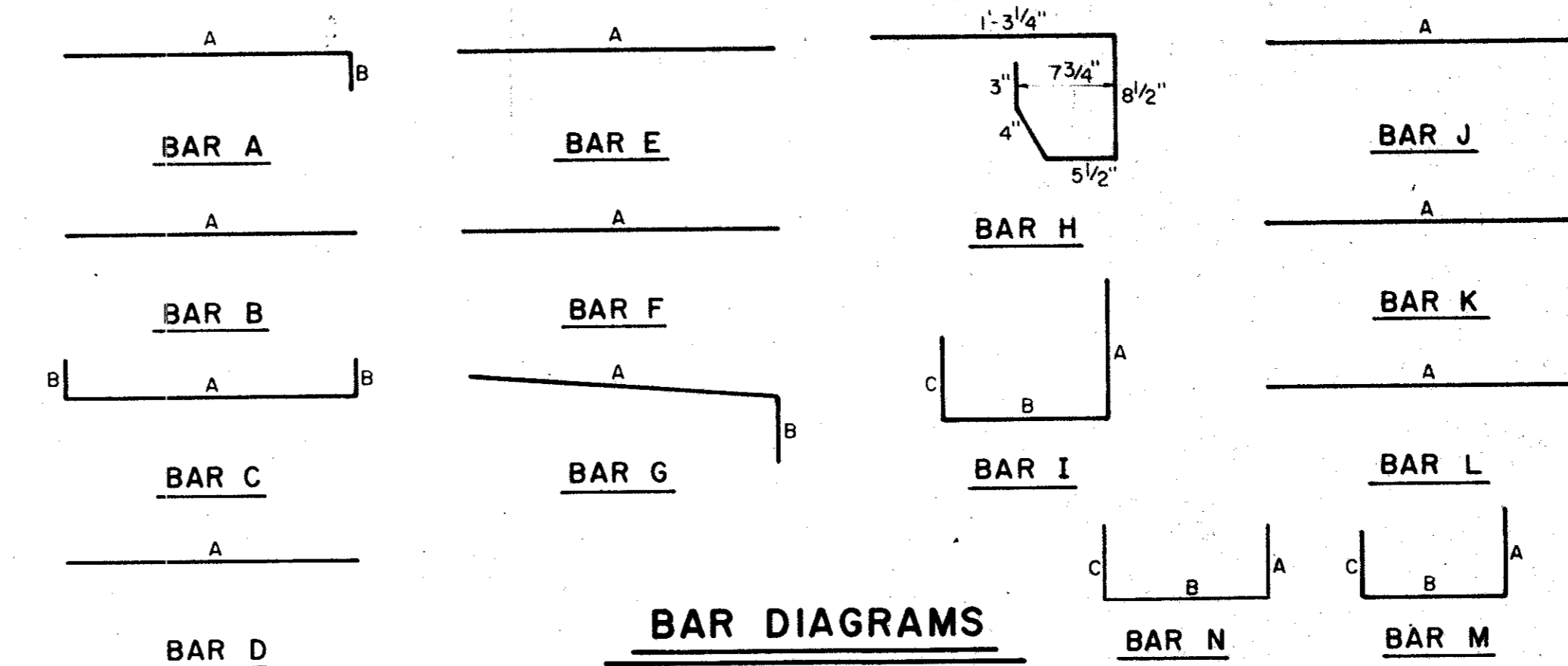
NOTE: THIS DRAWING TO BE USED FOR
STORM DRAINAGE ONLY!

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
MILDRED STREET IMPROVEMENTS			
DRAINAGE			
STA. 8+50 TO STA. 11+45±			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - TEC	Drawn - TEC	Date - May, 1990	Job No. - 90439
Approved - HWG	Checked - GF	Scale - 1" = 20' H / 1" = 5' V	Sheet 111 of 111



SECTION A-A-RECESSED AND STANDARD INLETS
4, 6, 8, 10, 12, AND 14 FOOT INLETS

INLET NOTE:
WHERE INLETS ARE INDICATED TO BE MODIFIED, REFER TO PLAN/PROFILE SHEETS FOR ELEV. DIFFERENT SIZES ON MODIFICATIONS. ALL OTHER ITEMS SHALL REMAIN AS SHOWN ON THIS STANDARD DETAIL SHEET.



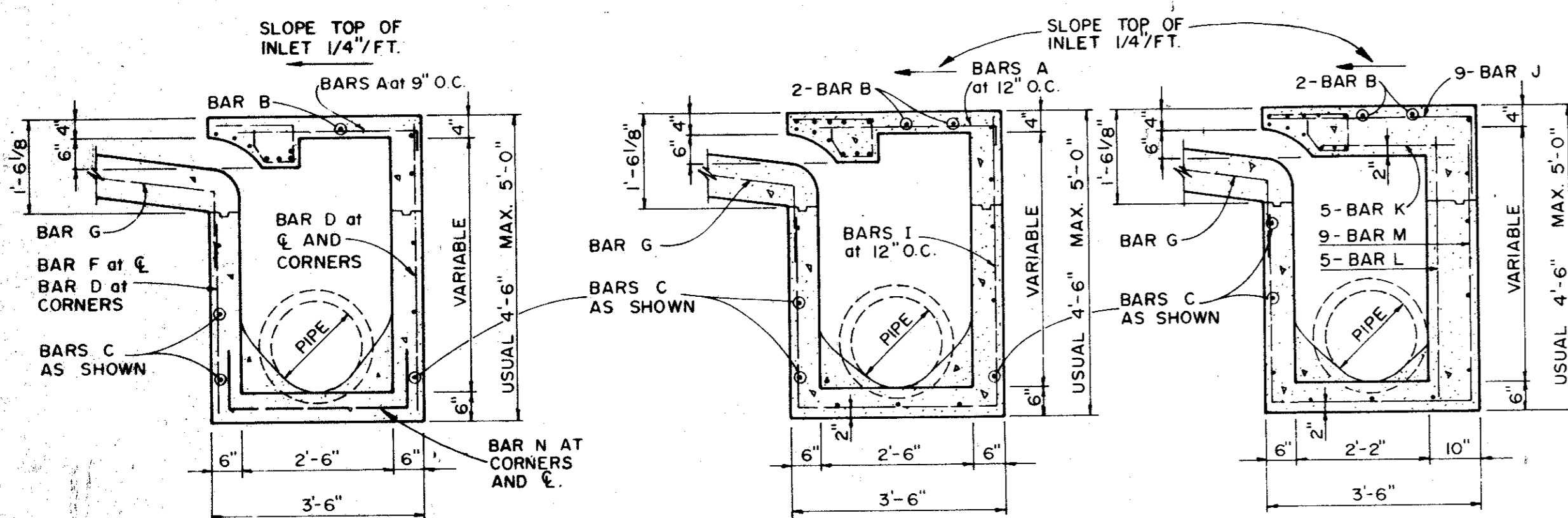
BAR DIAGRAMS

REINFORCING STEEL SCHEDULE

DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLETS

INLET LENGTH	BAR TYPE	BAR DIA. (1/8 IN.)	NO. REQ'D	BAR DIMENSIONS		
				A	B	C
4	A	3	6	3'-2"	0'-3"	-
	B	3	1	2'-10"	-	-
	C	4	15	4'-8"	0'-6"	-
	D	4	5	4'-8"	-	-
	F	4	1	3'-2"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	4	*	*	*
	N	3	3	3'-2"	3'-2"	3'-2"
6	A	3	9	3'-2"	0'-3"	-
	B	3	1	4'-10"	-	-
	C	4	15	6'-8"	0'-6"	-
	D	4	5	4'-8"	-	-
	F	4	1	3'-2"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	6	*	*	*
	N	3	3	3'-2"	3'-2"	3'-2"
8	A	3	12	3'-2"	0'-3"	-
	B	3	1	6'-10"	-	-
	C	4	15	8'-8"	0'-6"	-
	D	4	5	4'-8"	-	-
	F	4	1	3'-2"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	8	*	*	*
	N	3	3	3'-2"	3'-2"	3'-2"
10	A	3	10	3'-2"	0'-3"	-
	B	3	2	8'-10"	-	-
	C	4	16	10'-8"	0'-6"	-
	D	4	4	4'-8"	-	-
	E	5	6	10'-8"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	15	*	*	*
	I	4	8	4'-8"	3'-2"	3'-2"
	L	4	5	4'-3"	-	-
12	A	3	12	3'-2"	0'-3"	-
	B	3	2	10'-10"	-	-
	C	4	16	12'-8"	0'-6"	-
	D	4	4	4'-8"	-	-
	E	5	6	12'-8"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	18	*	*	*
	I	4	10	4'-8"	3'-2"	3'-2"
	J	5	9	3'-2"	1'-3"	-
	K	4	5	2'-3"	-	-
	L	4	5	4'-3"	-	-
	M	5	9	4'-3"	3'-2"	3'-9"
14	A	3	14	3'-2"	0'-3"	-
	B	3	2	10'-10"	-	-
	C	4	16	14'-8"	0'-6"	-
	D	4	4	4'-8"	-	-
	E	5	6	14'-8"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	21	*	*	*
	I	4	12	4'-8"	3'-2"	3'-2"
	J	5	9	3'-2"	1'-3"	-
	K	4	5	2'-3"	-	-
	L	4	5	4'-3"	-	-
	M	5	9	4'-3"	3'-2"	3'-9"

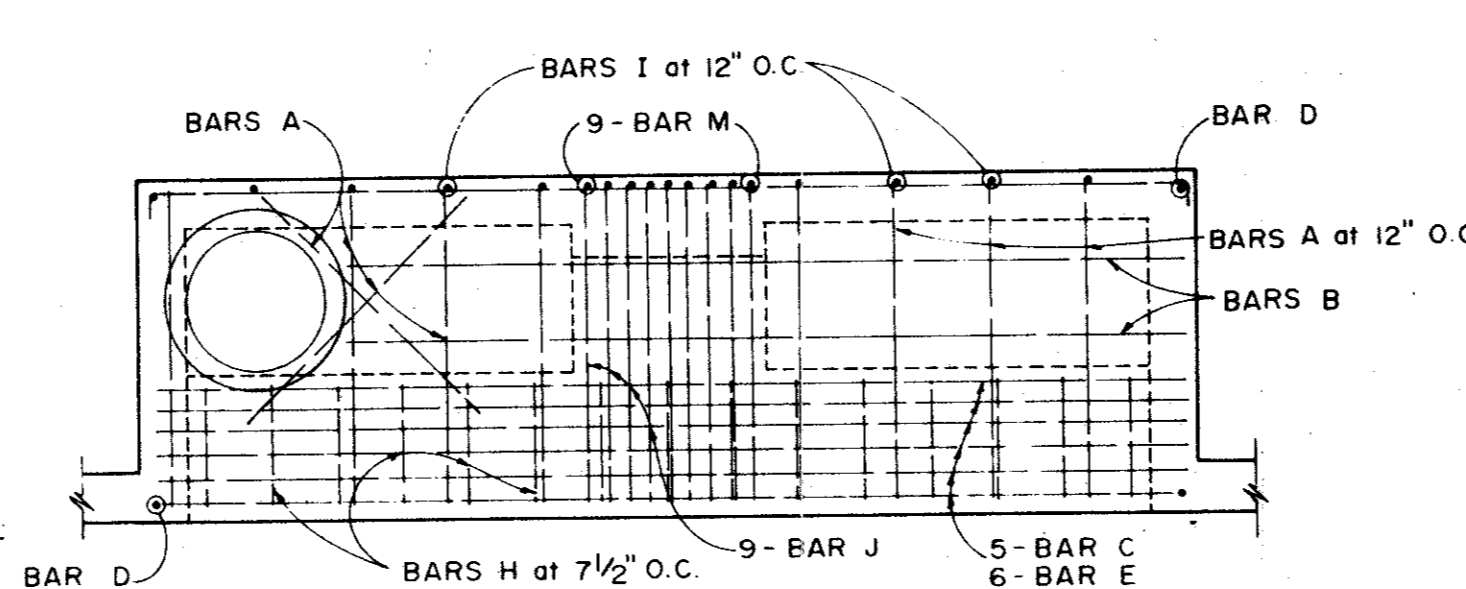
* SEE DIAGRAM FOR DIMENSIONS



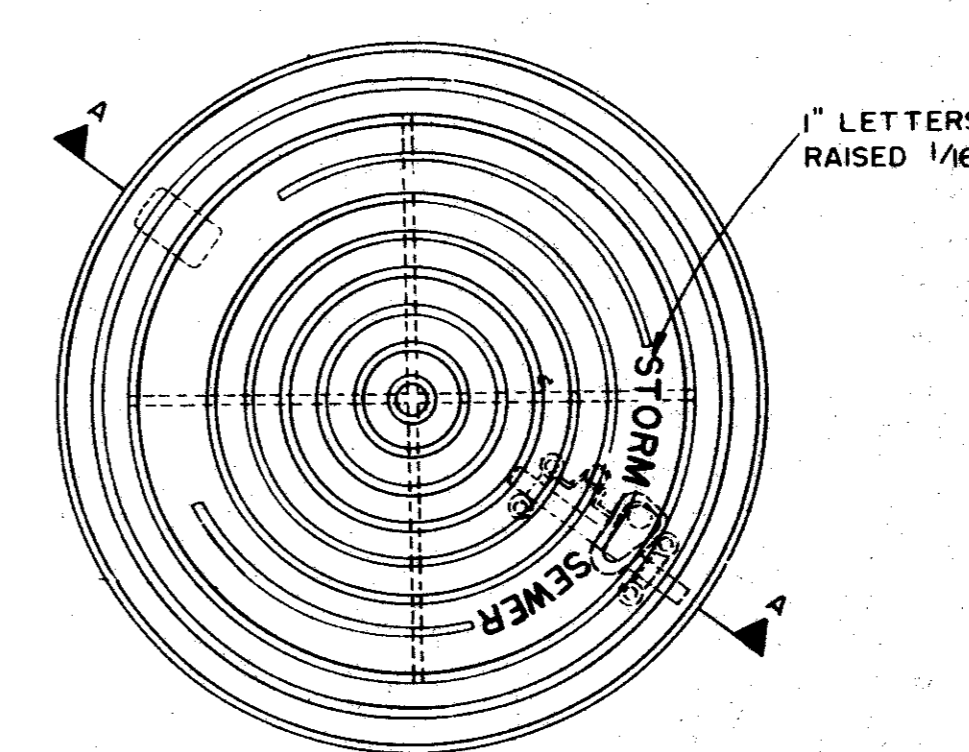
SECTION B-B

SECTION C-C

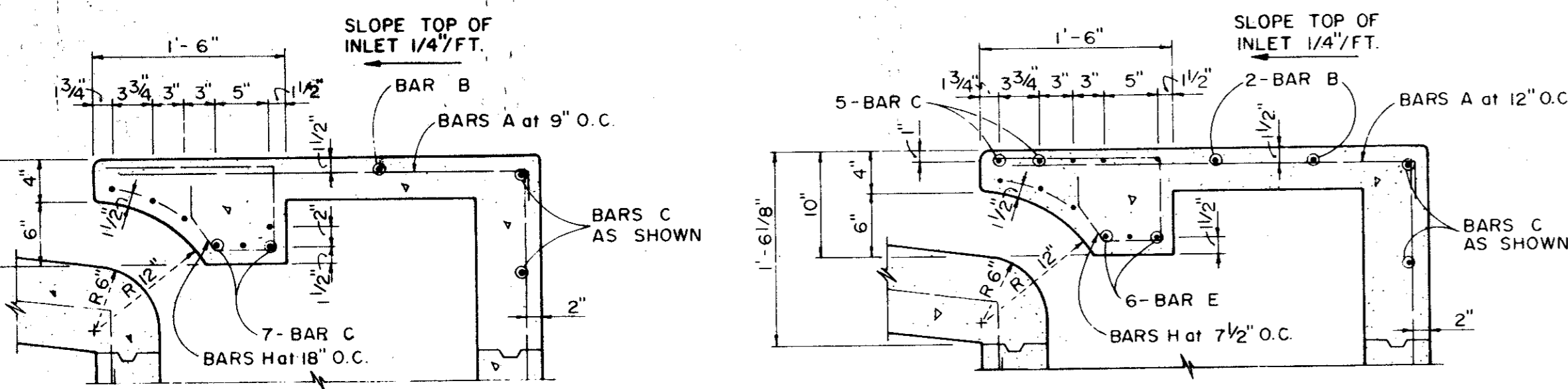
SECTION B-B



PLAN

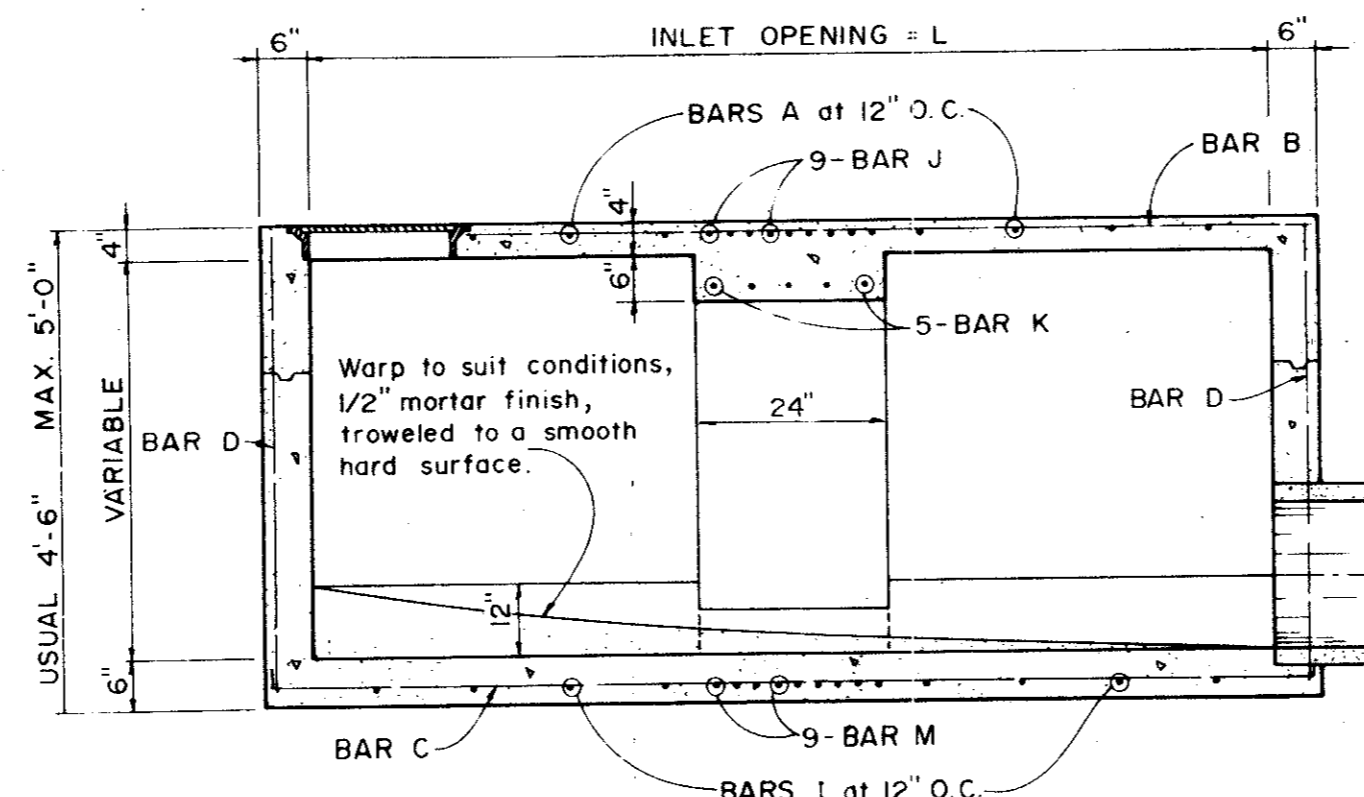


PLAN OF FRAME

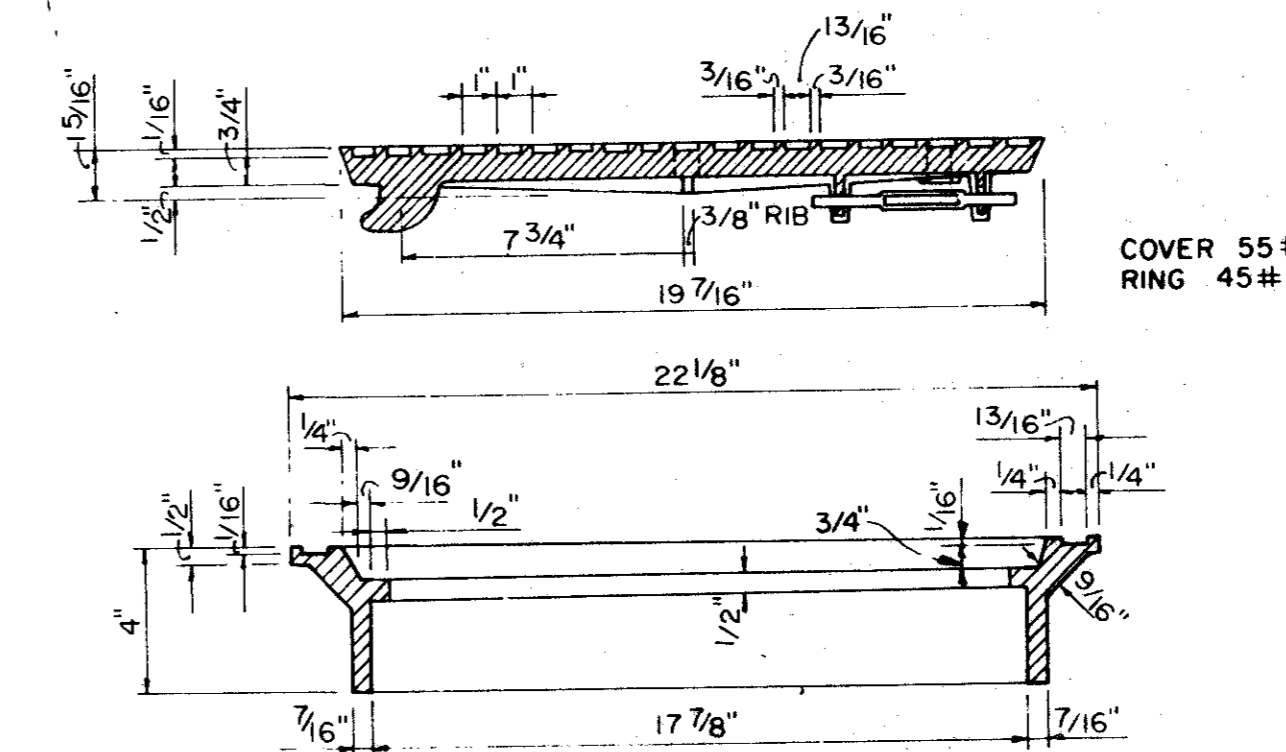


SECTION C-C

SECTION C-C



SECTION D-D
FOR 12' & 14' ONLY



SECTION OF FRAME AND COVER

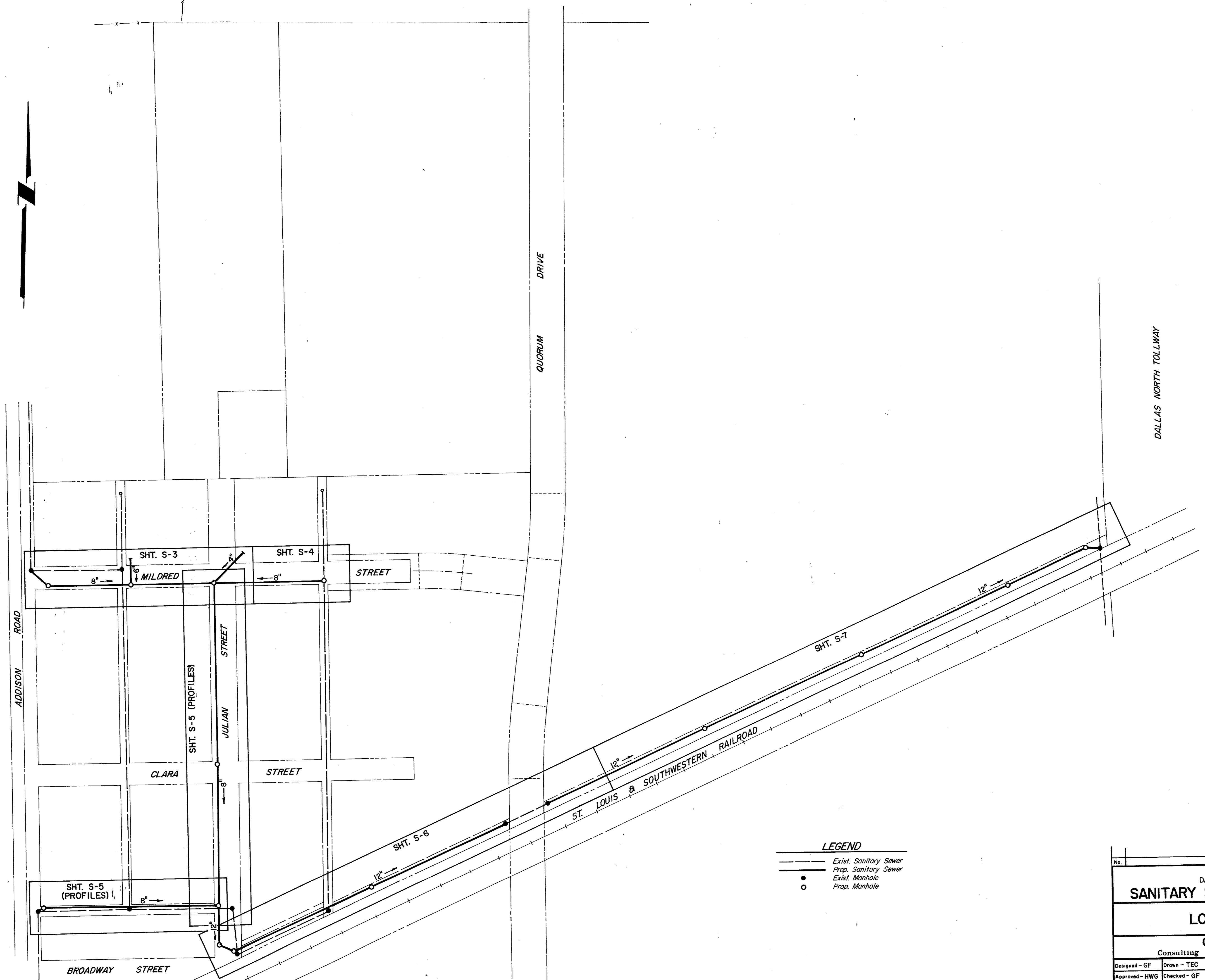
INLET FRAME AND COVER

4, 6, AND 8 FOOT INLETS

10, 12, AND 14 FOOT INLETS

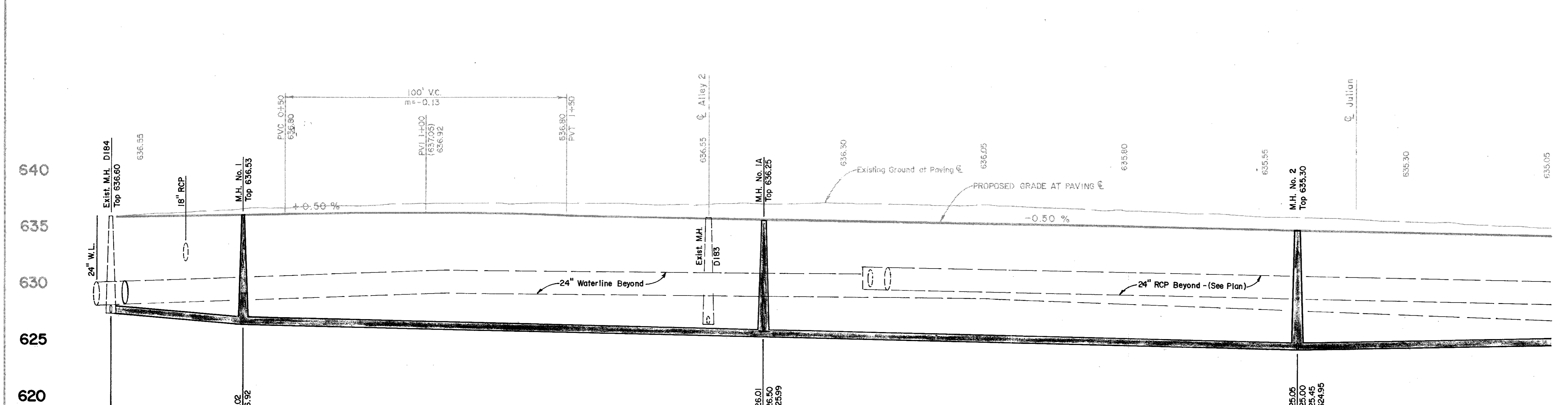
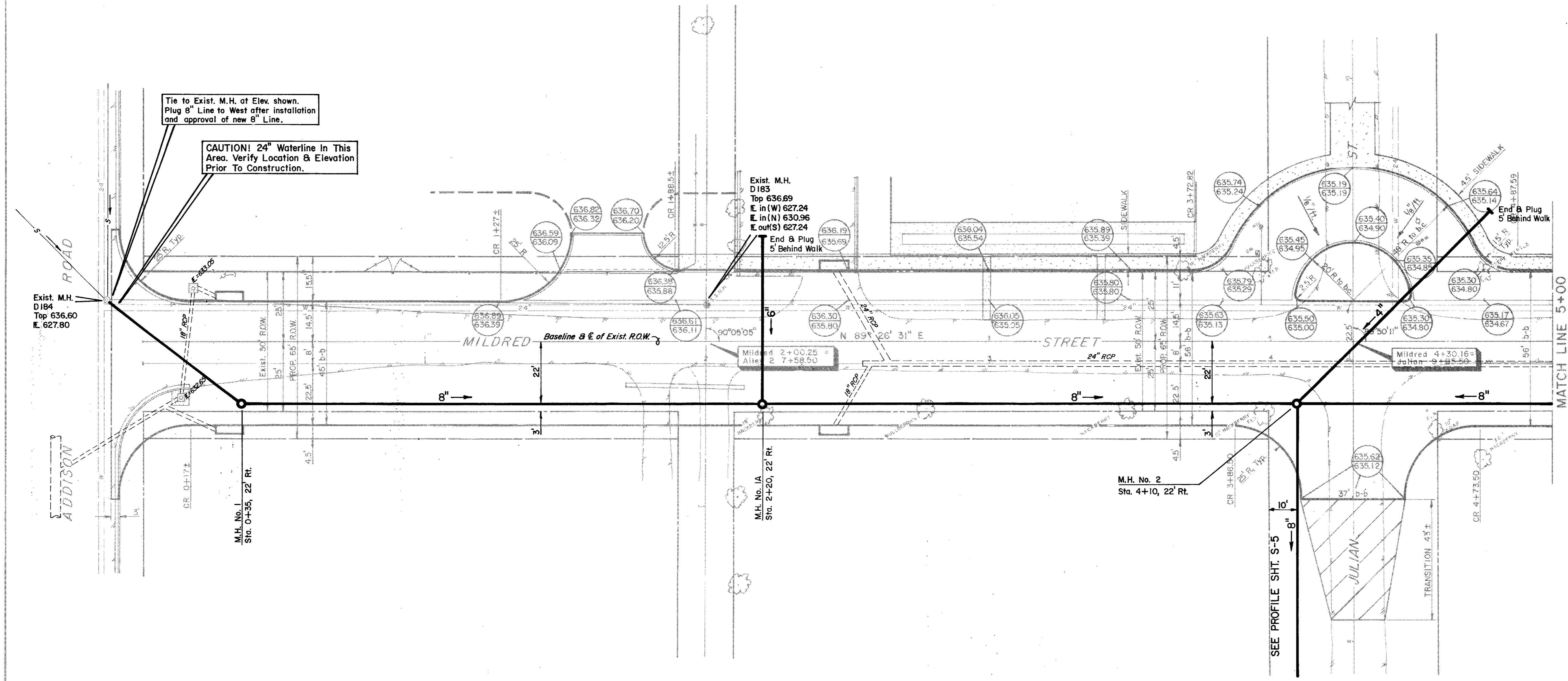
No.	Revision	By	Date
STANDARD CONSTRUCTION DETAILS			
STORM DRAINAGE			
CURB INLETS			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed -	Drawn -	Date - June, 1990	Job No. - 90439
Approved -	Checked -	Scale -	Sheet M12 of





- LEGEND**
- Existing Sanitary Sewer
 - - - Proposed Sanitary Sewer
 - Existing Manhole
 - Proposed Manhole

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS SANITARY SEWER IMPROVEMENTS LOCATION MAP GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - TEC	Date - June, 1990	Job No. - 90443
Approved - HWG	Checked - GF	Scale - 1"=100'	Sheet S1 of



Tie to Exist. M.H. at Elev. shown. Plug 8" Line to West after installation and approval of new 8" Line.

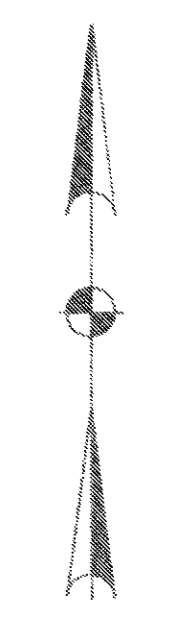
CAUTION! 24" Waterline In This Area. Verify Location & Elevation Prior To Construction.

Exist. M.H. D183
 Top 636.69
 E. in (W) 627.24
 E. in (N) 630.96
 E. out(S) 627.24
 End & Plug 5' Behind Walk

M.H. No. 2
 Sta. 4+10, 22' Rt.

SEE PROFILE SHT. S-5

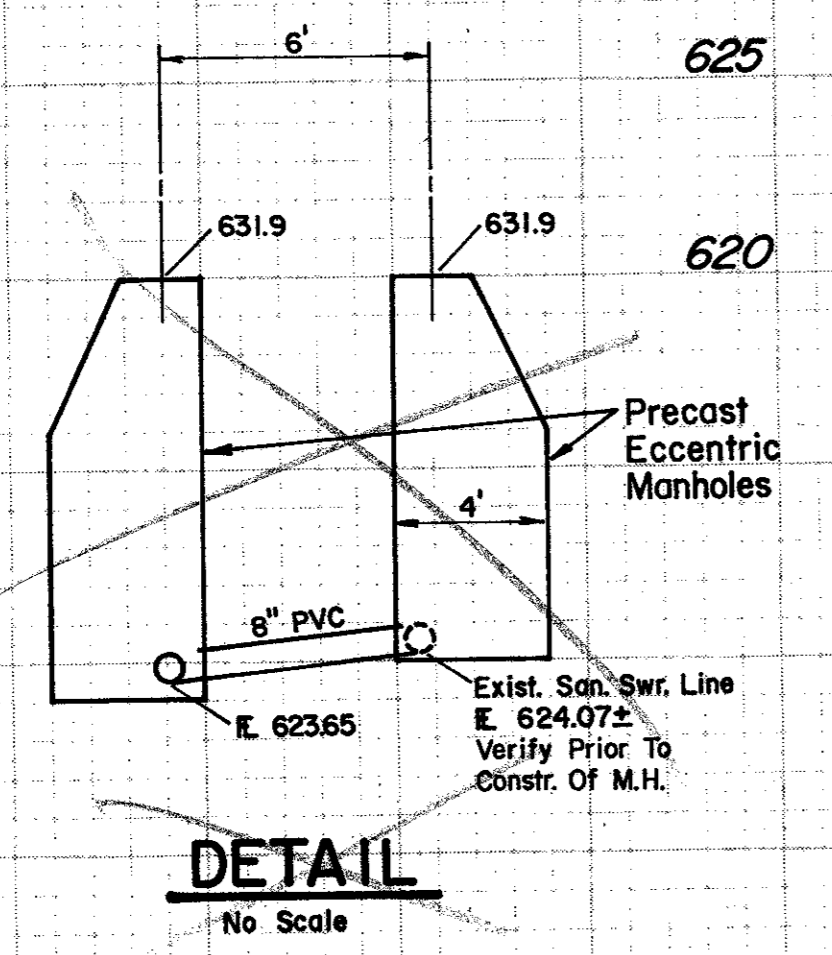
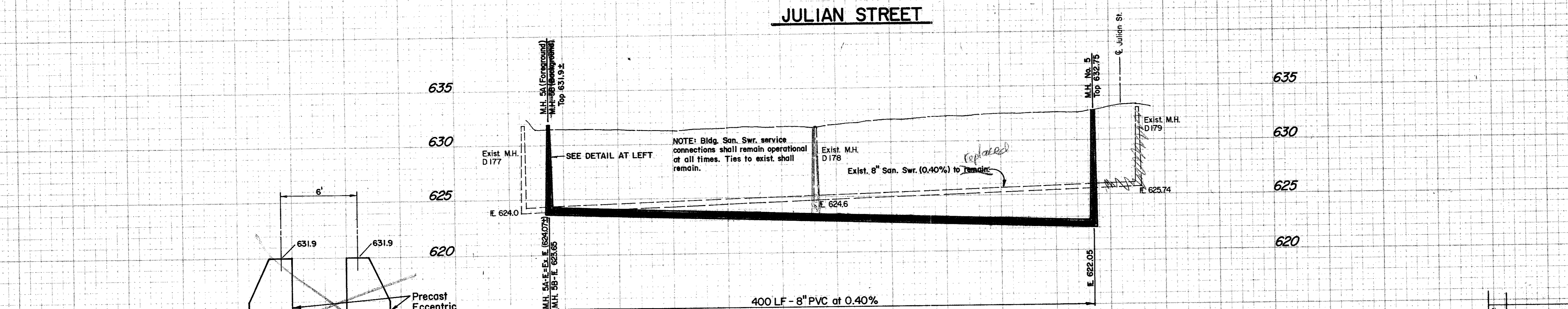
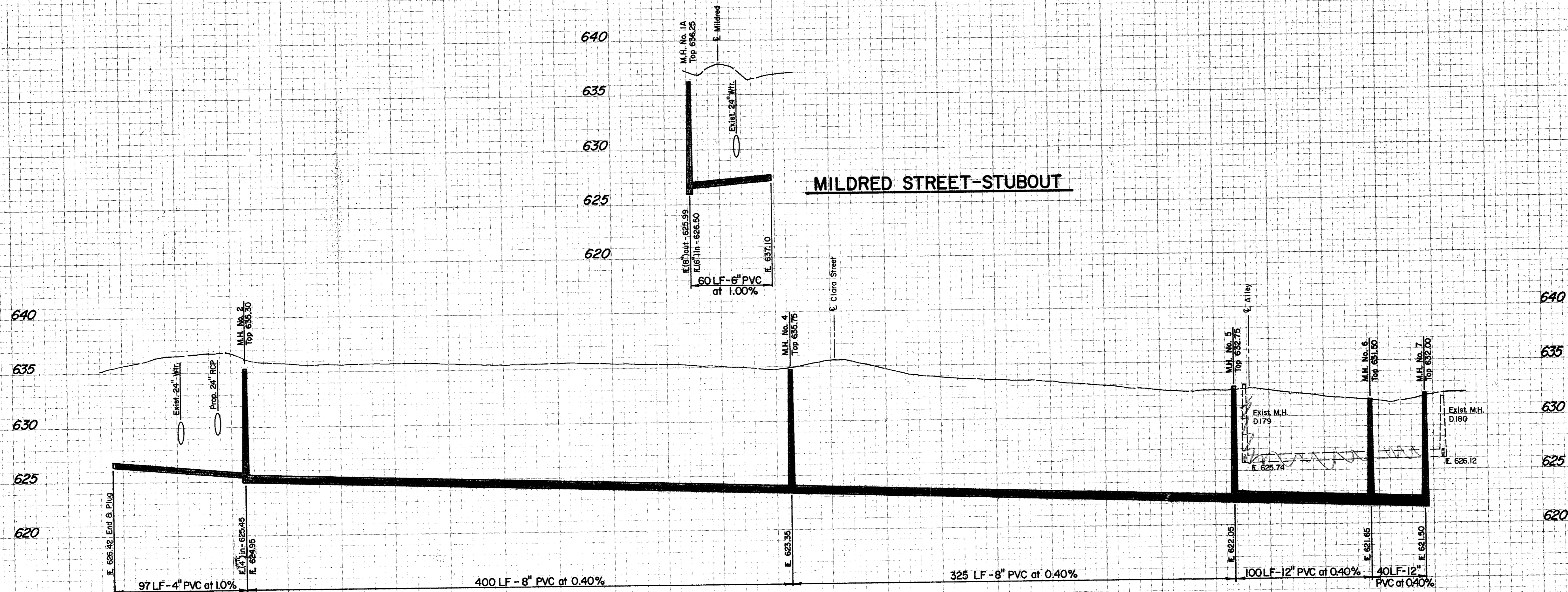
MATCH LINE 5+00



No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
SANITARY SEWER IMPROVEMENTS			
MILDRED STREET STA. 0+00 TO STA. 5+00			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - TEC	Date - May, 1990	Job No. - 90443
Approved - HWG	Checked - GF	Scale - 1" = 20'H/1" = 5'V	Sheet S3 of

FINAL SURVEY
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____

ORIGINAL SURVEY
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____



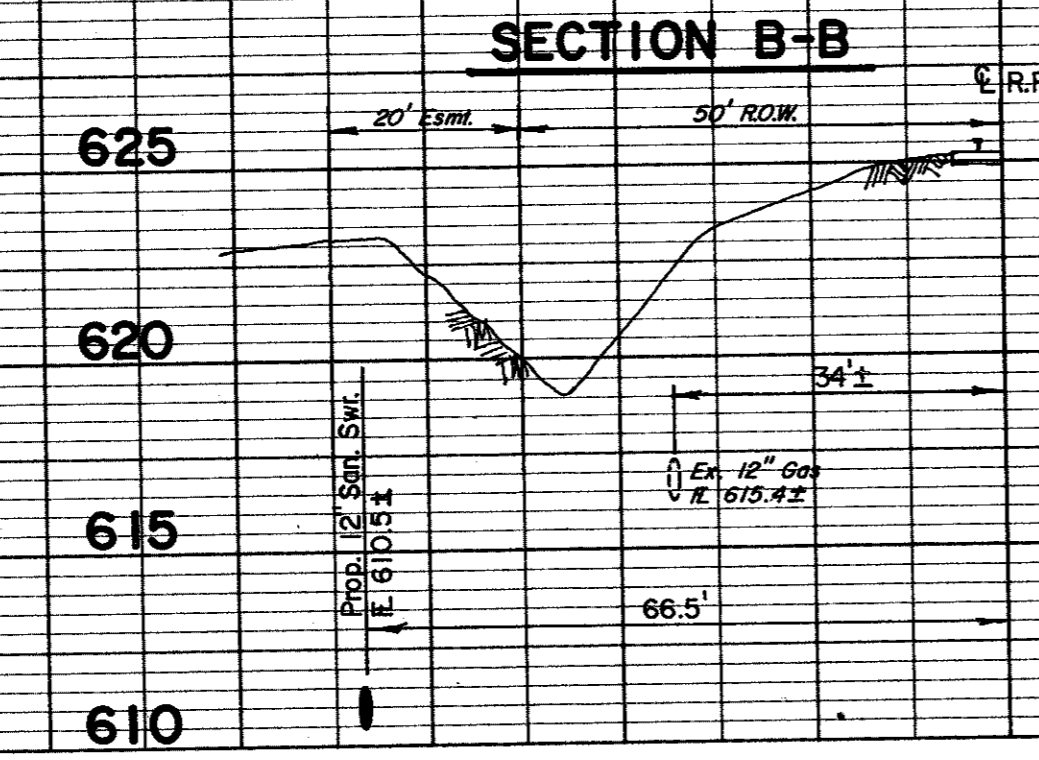
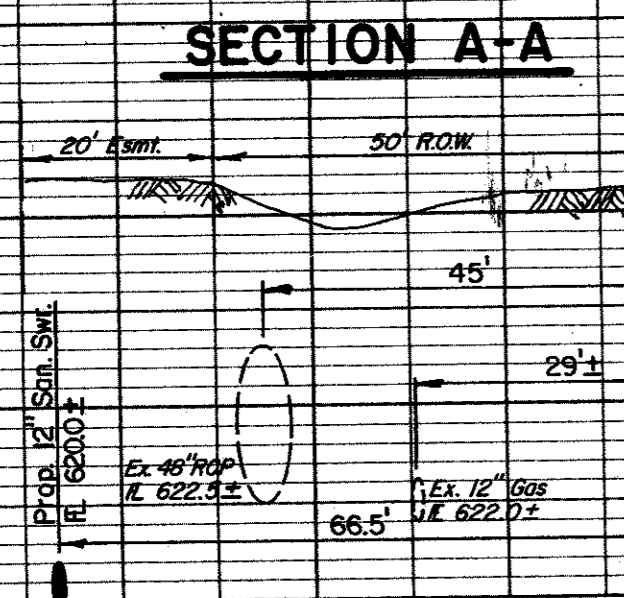
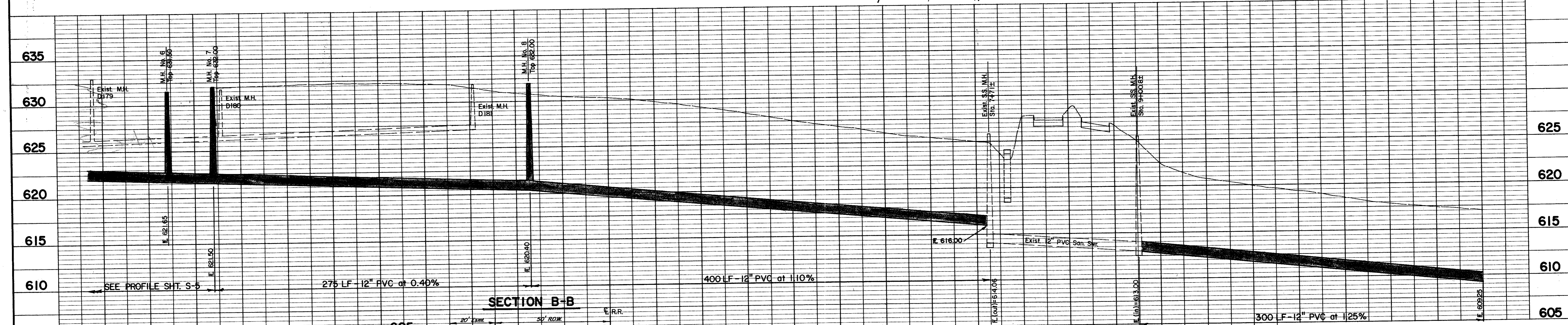
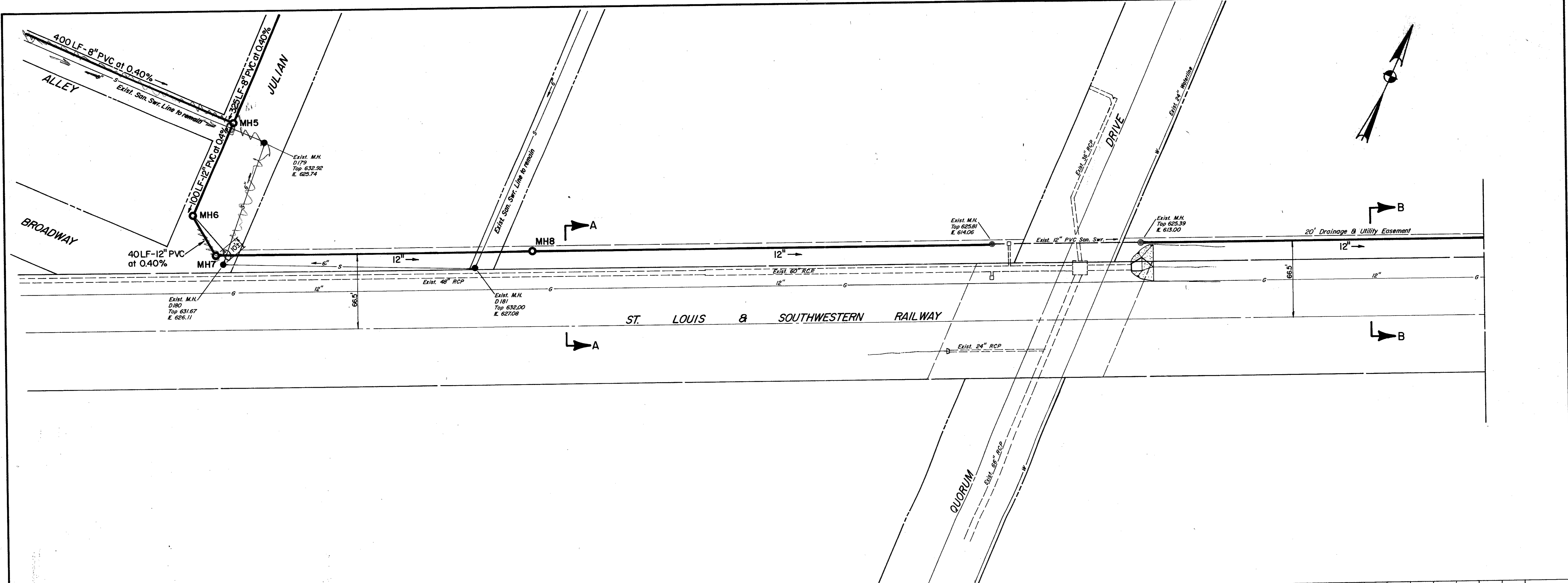
NOTE: Bldg. San. Swr. service connections shall remain operational at all times. Ties to exist shall remain.

ALLEY

JULIAN STREET

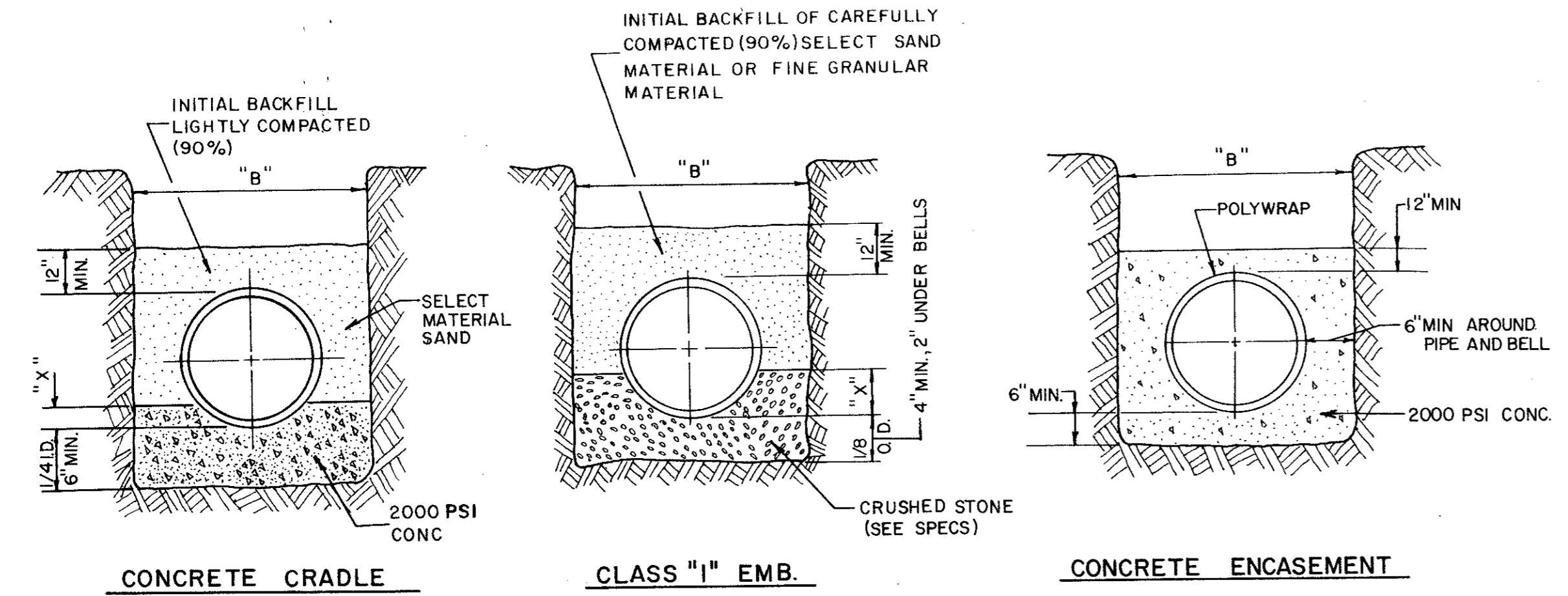
MILDRED STREET-STUBOUT

No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
SANITARY SEWER IMPROVEMENTS			
PROFILES			
JULIAN STREET - ALLEY			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - TEC	Date - June, 1990	Job No. - 90443
Approved - HWS	Checked - GF	Scale - 1" = 40' H / 1" = 5' V	Sheet 35 of 37



No.	Revision	By	Date
	TOWN OF ADDISON DALLAS COUNTY, TEXAS		
SANITARY SEWER IMPROVEMENTS			
PLAN-PROFILE JULIAN TO QUORUM			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - GF	Drawn - TEC	Date - June, 1990	Job No. - 90443
Approved - HWG	Checked - GF	Scale - 1" = 40' H / 1" = 5' V	Sheet 56 of

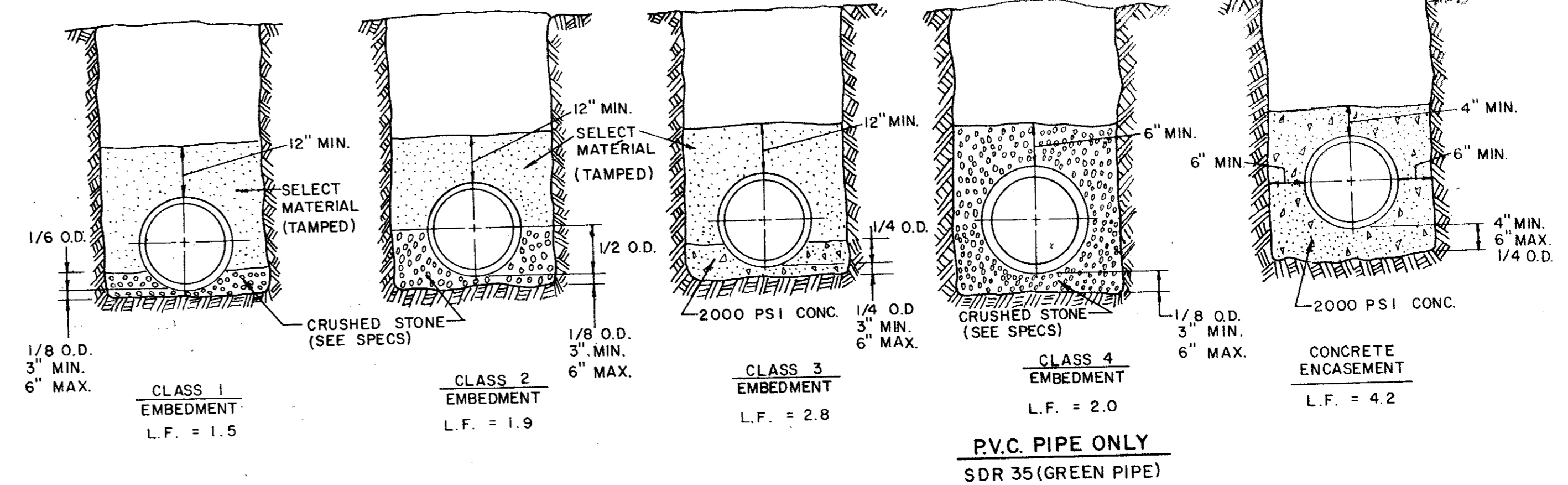
TYPICAL NATIVE MATERIAL COMPACTED TO:
 95% OPTIMUM MOISTURE 1.3% UNDER PAVEMENT
 90% OPTIMUM MOISTURE 1.3% OUTSIDE CURB LINES
 JETTING IS NOT ALLOWED
 BACKFILL TO BE COMPACTED IN 6" LIFTS



EMBEDMENT DETAILS FOR RCP WATERLINE

TABLE OF QUANTITIES OF MATERIALS IN CUBIC YARDS PER 100 LINEAR FEET

INSIDE DIAMETER OF PIPE	APPROX. OUTSIDE DIAMETER OF PIPE	"X" IS A MINIMUM DEPTH	"B" TRENCH WIDTH FOR COMPUTATION OF QUANTITIES	CONCRETE		CRUSHED STONE FOR CL "1" EMBEDMENT
				FOR EMBEDMENT	FOR ENCASEMENT	
REINFORCED CONCRETE CYLINDER PIPE						
14"	17.25"	2.53"	34"	6.91	16.07	5.16
16"	19.38"	2.84"	36"	7.50	17.76	5.64
18"	21.78"	3.19"	38"	8.11	19.52	6.16
24"	27.75"	4.06"	44"	9.97	24.90	9.28



EMBEDMENT DETAILS FOR SANITARY SEWER

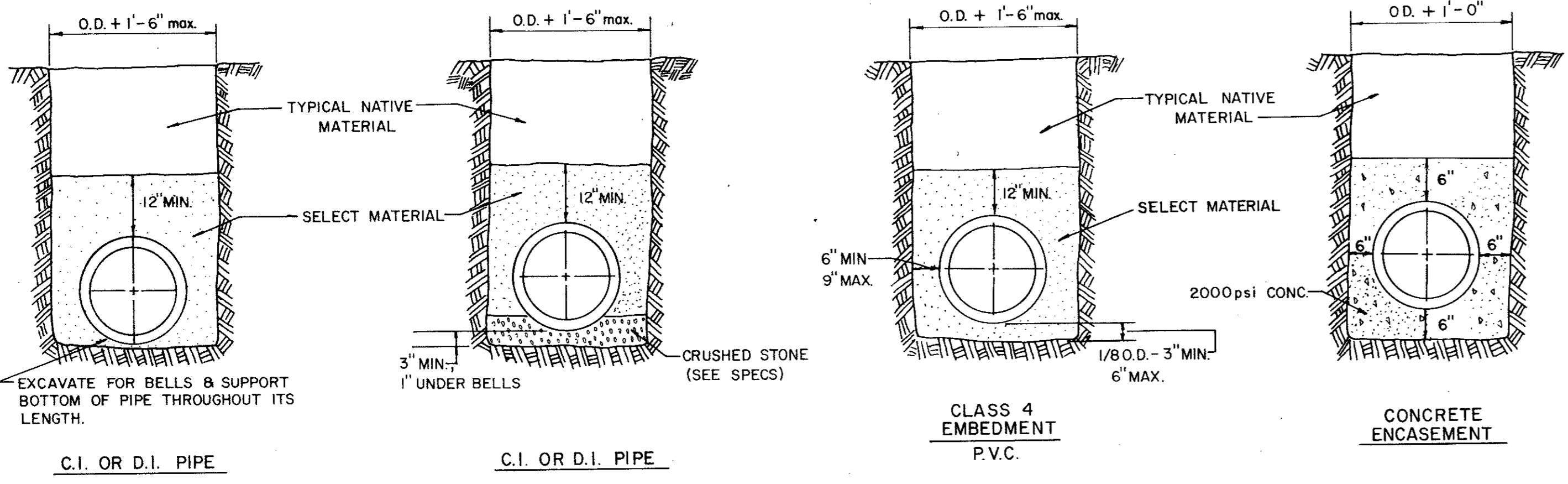
TABLE OF QUANTITIES OF 2000 PSI CONCRETE, GRAVEL OR CRUSHED STONE IN CUBIC YARDS PER 100 LINEAR FEET FOR EACH CLASS EMBEDMENT

TABLE OF QUANTITIES PER 100 LINEAR FEET REINFORCED CONCRETE PIPE

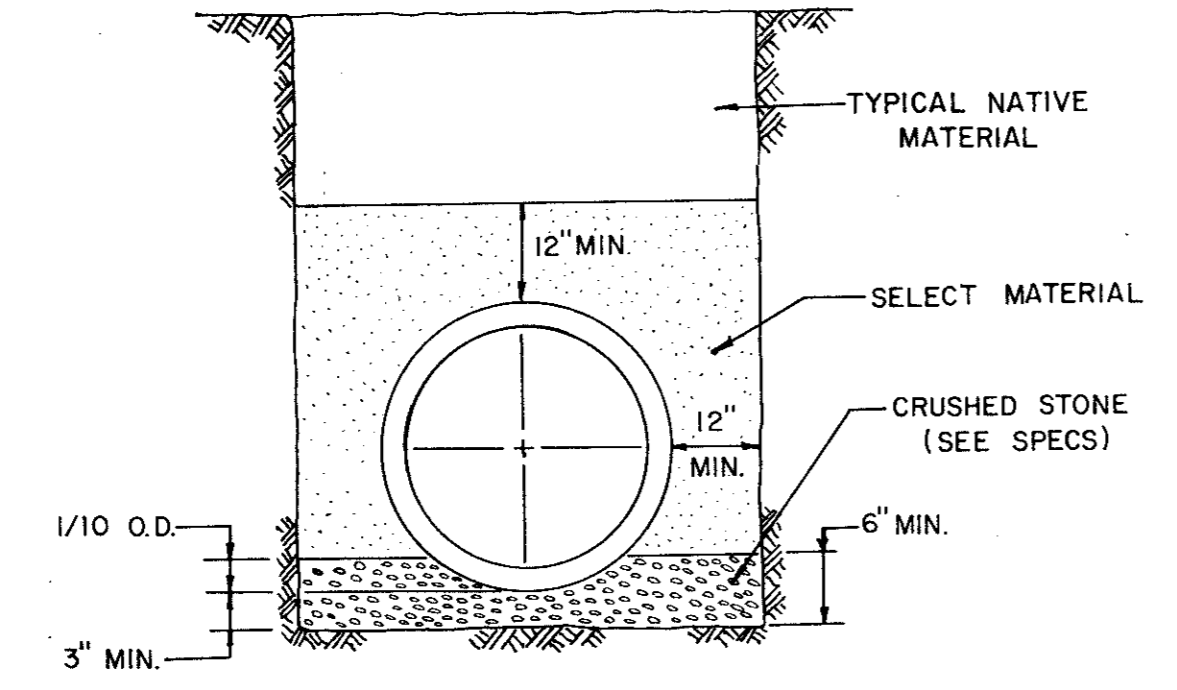
SIZE OF PIPE IN INCHES I.D.	O.D. OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 1 EMBEDMENT CRUSHED STONE	CLASS 2 EMBEDMENT CRUSHED STONE	CLASS 3 EMBEDMENT CONCRETE	CONCRETE ENCASEMENT
12	16.00	32	2.67	4.1	6.5	4.8	15.8
15	19.50	36	3.00	4.8	7.8	6.4	19.2
18	23.00	39	3.25	5.7	9.2	8.2	21.2
21	26.50	43	3.58	6.9	11.0	10.2	24.9
24	30.00	46	3.83	8.3	13.1	12.4	28.7
27	33.50	51	4.25	10.3	16.1	14.4	32.8
30	37.00	57	4.75	12.7	20.1	17.0	34.8
33	40.50	62	5.17	15.1	23.8	19.3	39.2
36	44.00	67	5.58	18.0	28.6	22.1	43.8

TABLE OF QUANTITIES PER 100 LINEAR FEET-PVC PIPE (IN CUBIC YARDS)

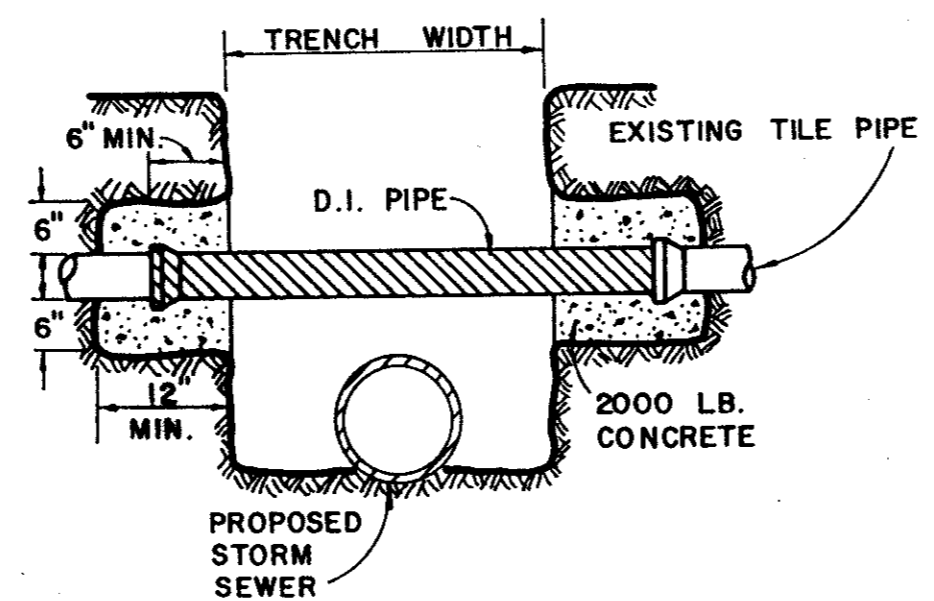
SIZE OF PIPE IN INCHES	O.D. OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 4 EMBEDMENT CRUSHED STONE	CONCRETE ENCASEMENT
6	6.28	24	2.00	8.0	11.7
8	8.16	24	2.00	8.7	12.4
10	10.20	26	2.18	10.2	14.2
12	12.24	28	2.35	11.7	15.9
16	15.30	31	2.61	14.0	18.8
24		36	3.0		
30		42	3.5		



EMBEDMENT DETAILS FOR WATER MAIN

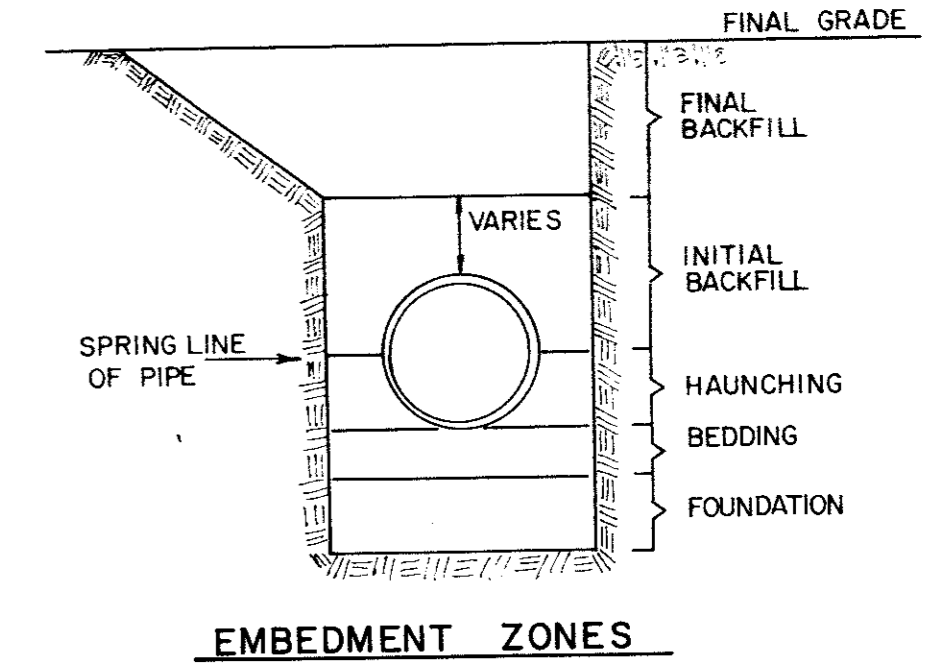


EMBEDMENT DETAIL FOR STORM SEWER



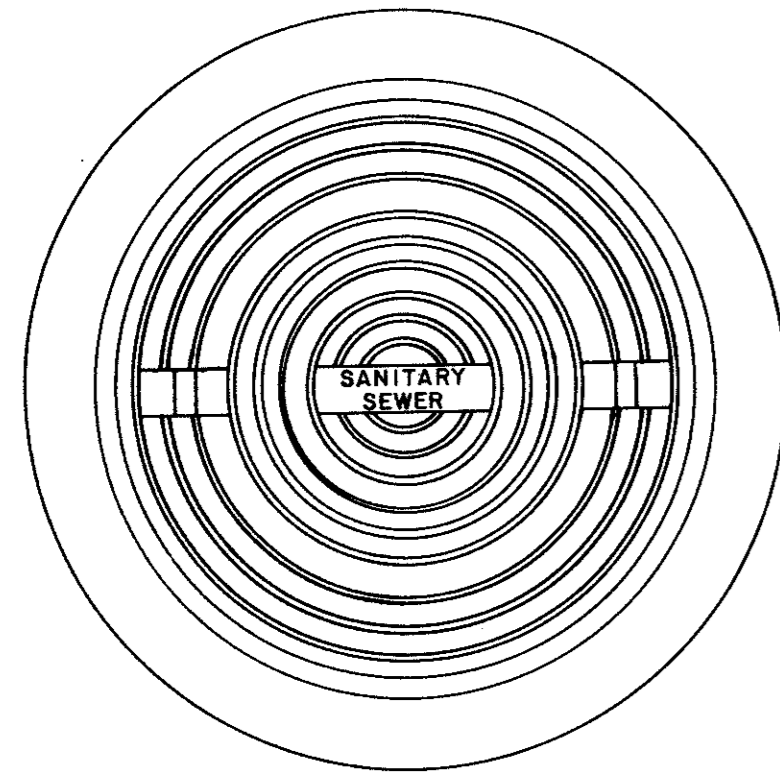
DETAIL OF UTILITY SUPPORT

NOTE: ALL SANITARY SEWER LINES THIS PROJECT SHALL HAVE CLASS 4 EMBEDMENT UNLESS OTHERWISE NOTED.



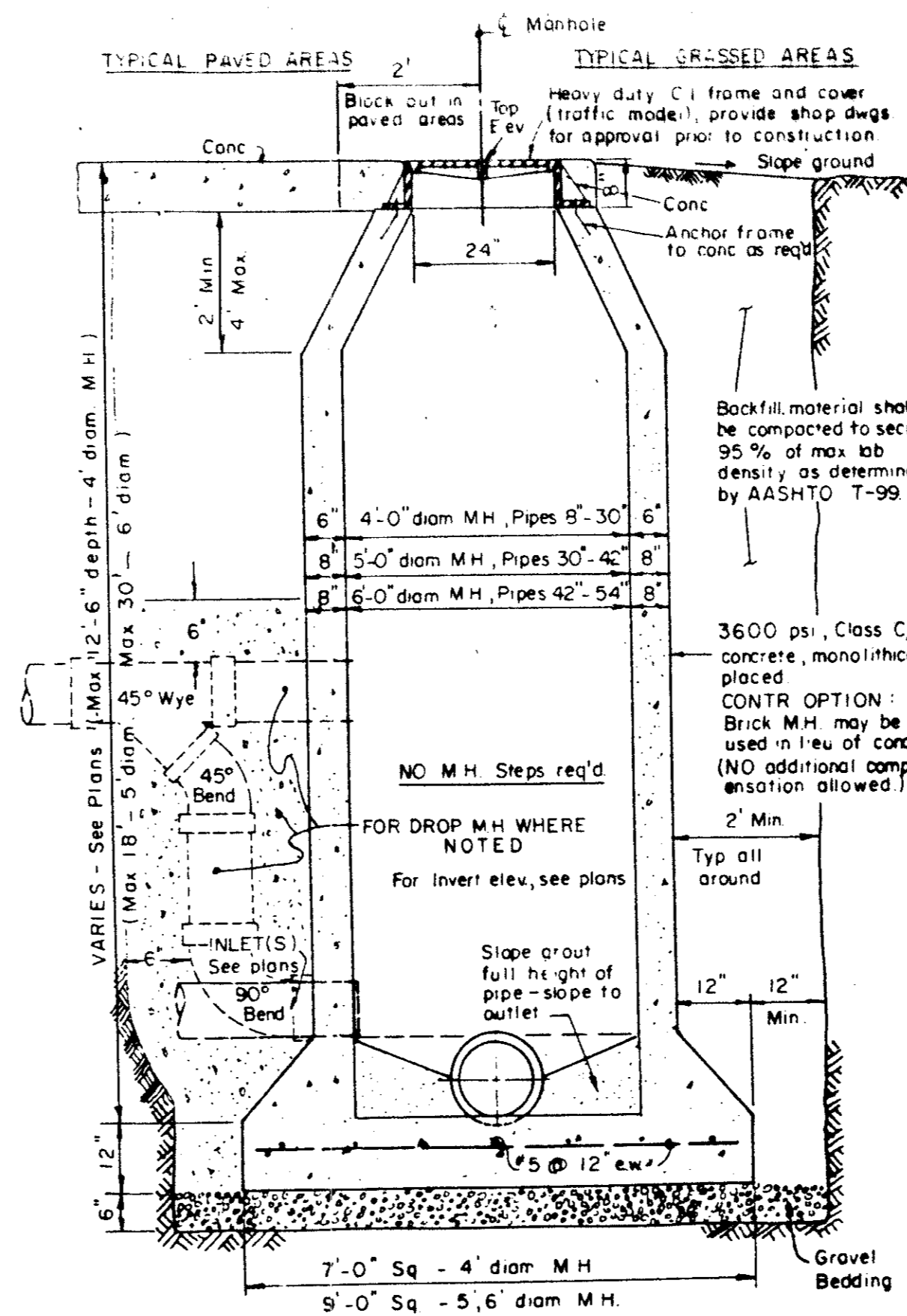
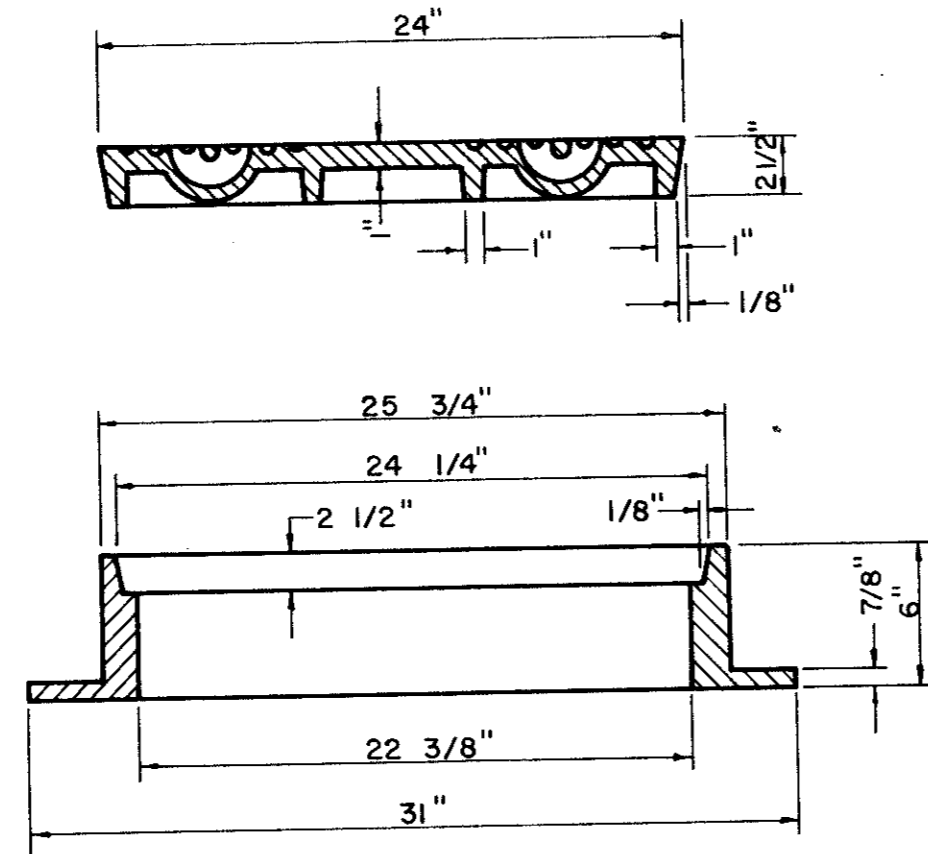
No.	Revision	By	Date
STANDARD CONSTRUCTION DETAILS			
EMBEDMENT DETAILS			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - GINN	Drawn - GINN	Date - June, 1990	Job No. - 90443
Approved - GINN	Checked - GINN	Scale - N.T.S.	Sheet SB of

SD20

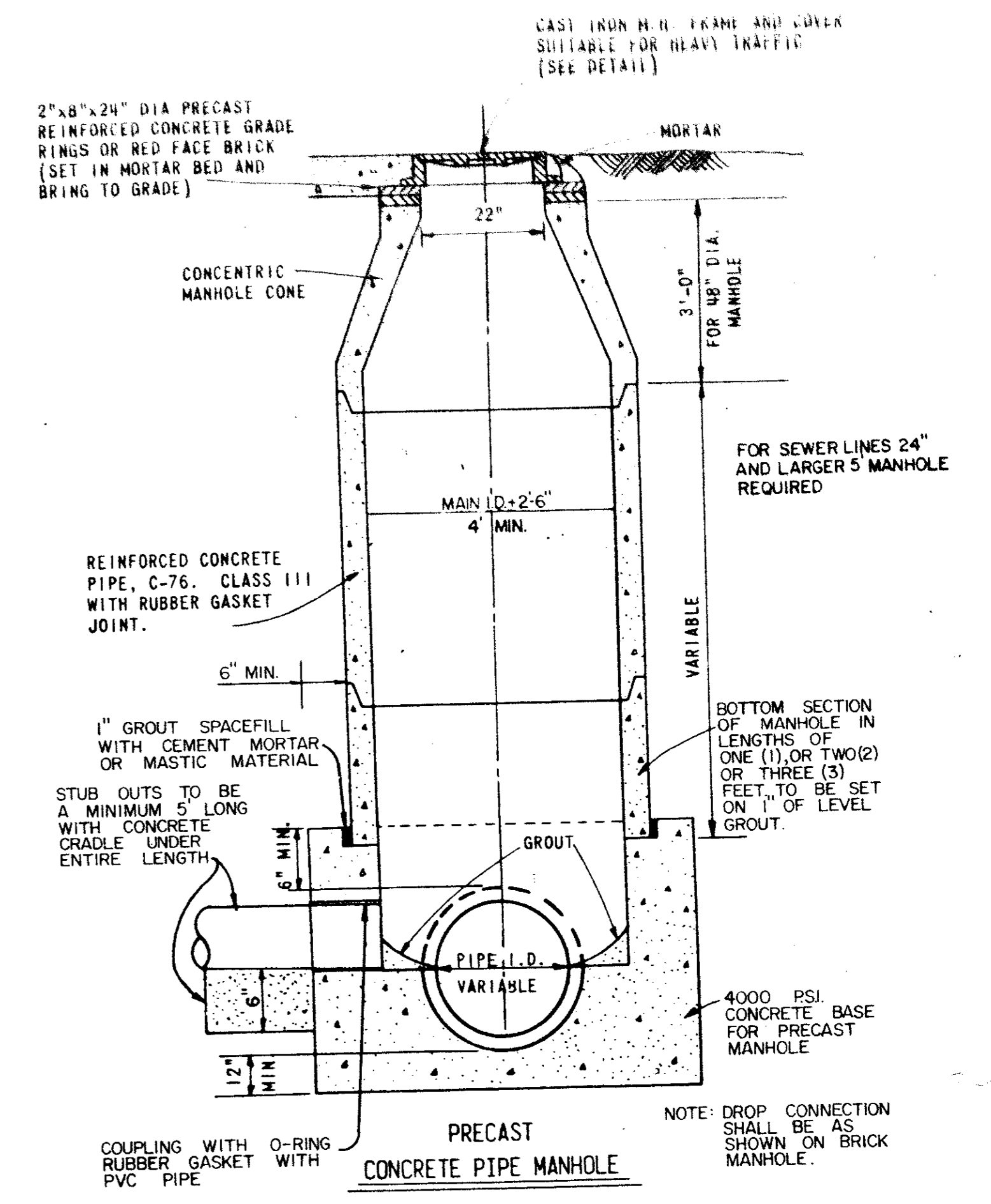


APPROX. WEIGHT RING AND COVER 385 LBS.

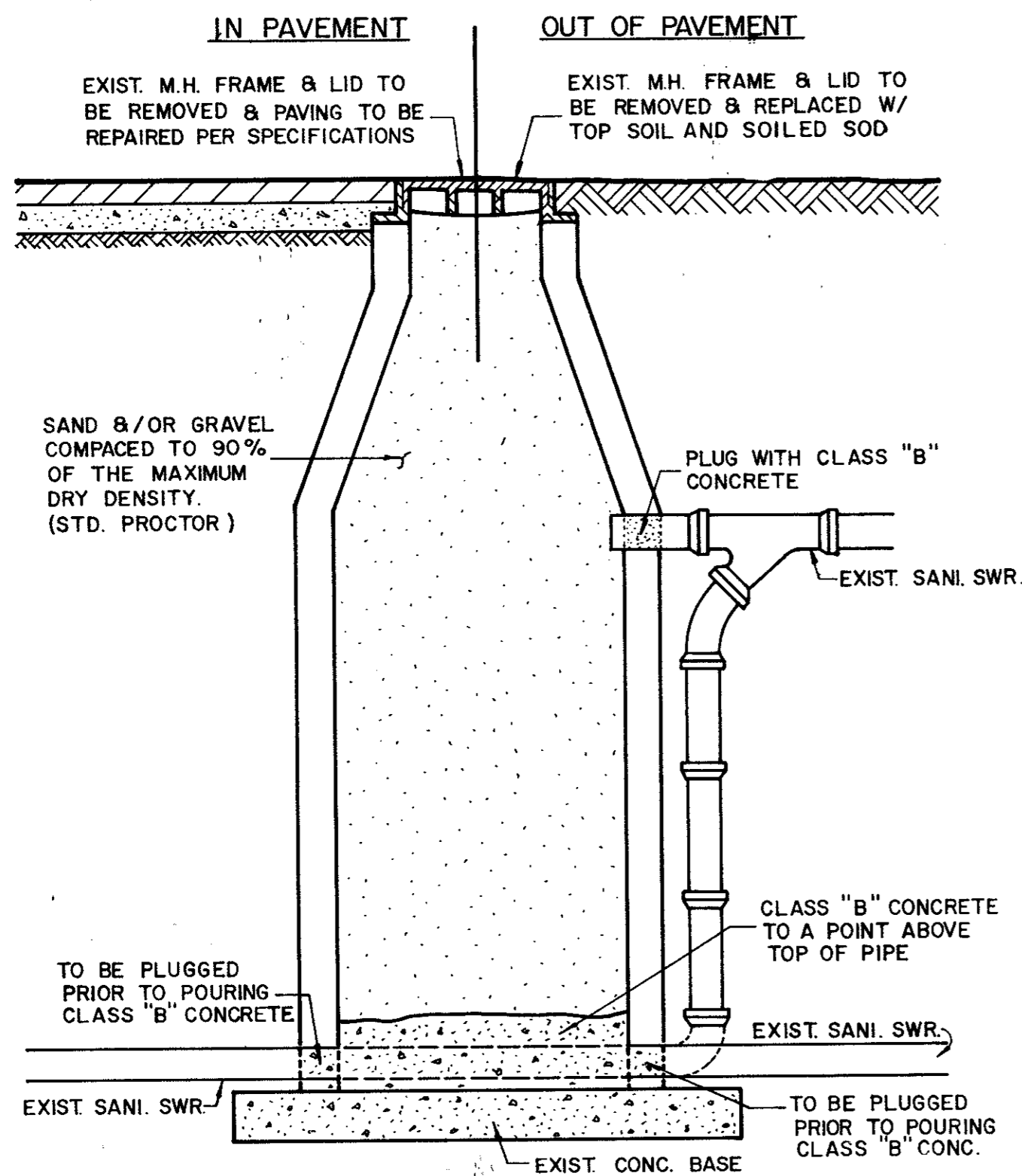
CAST IRON GRATE AND FRAME DETAIL



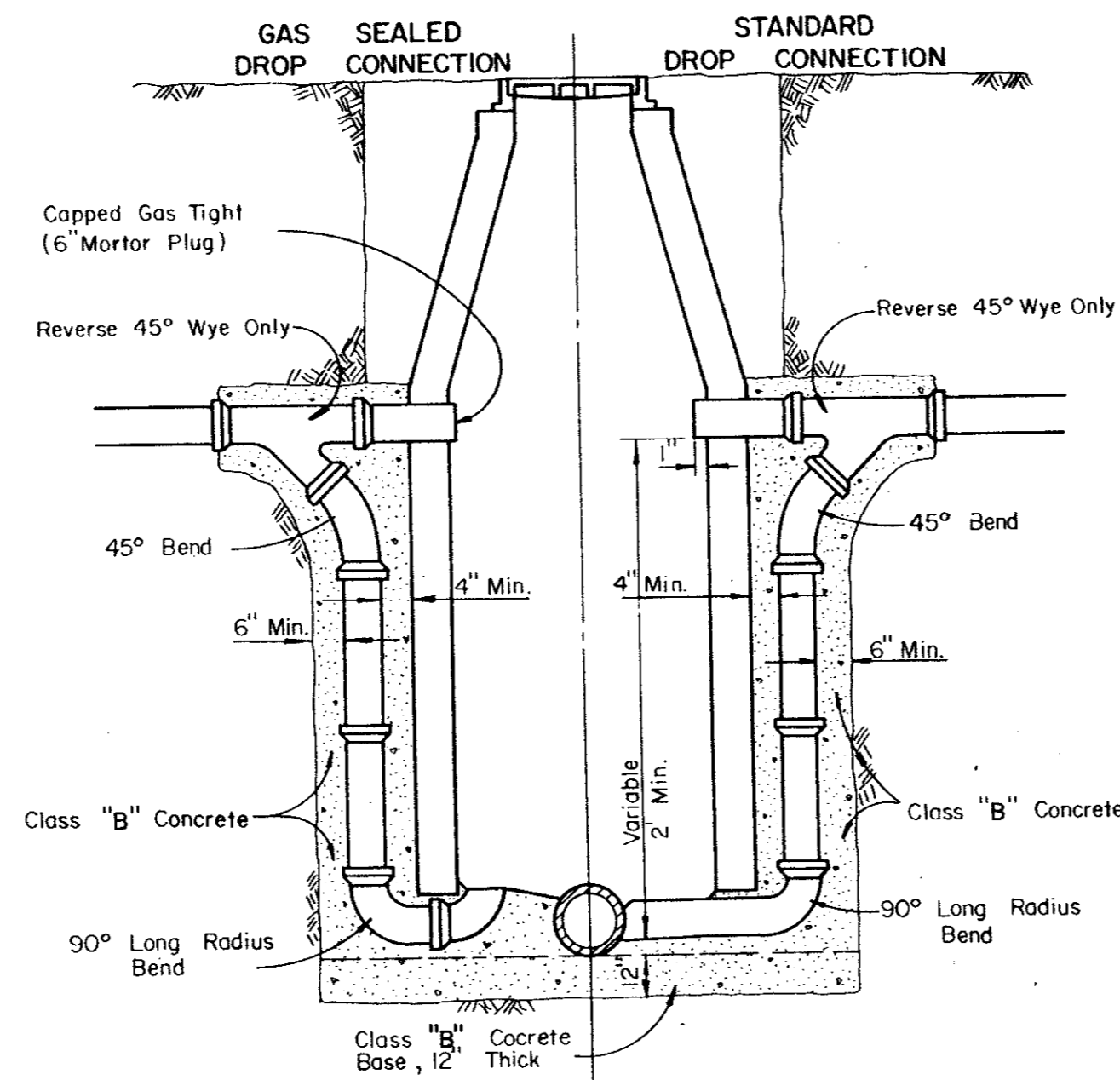
CAST IN PLACE MANHOLE



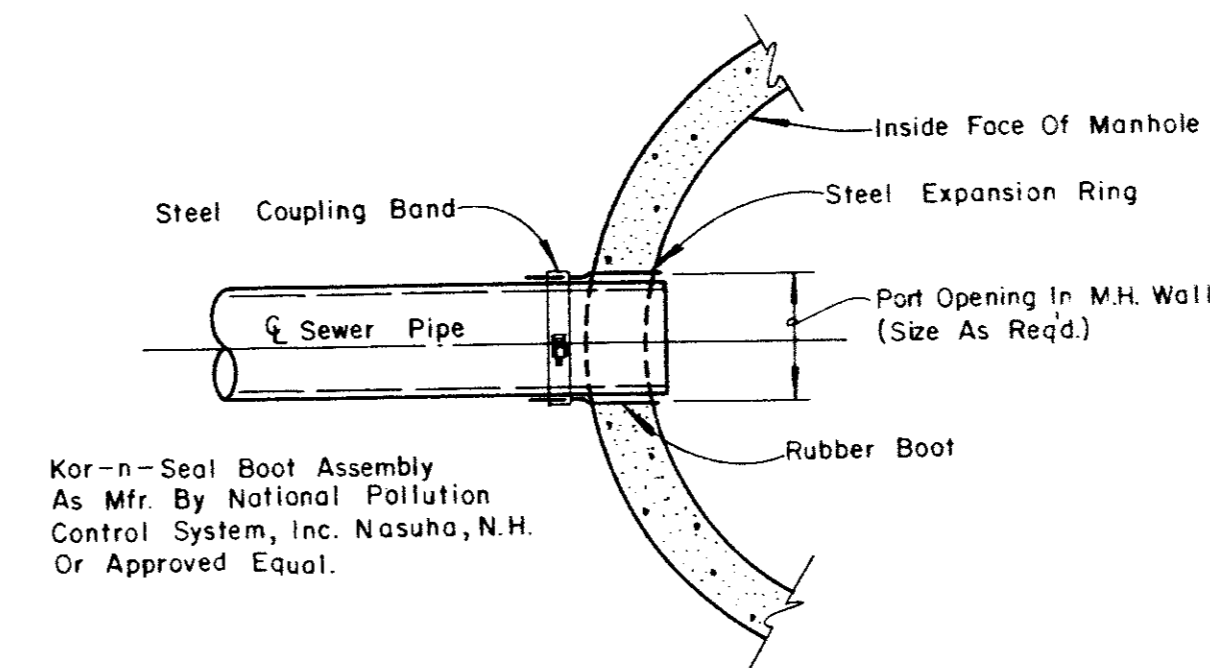
PRECAST MANHOLE



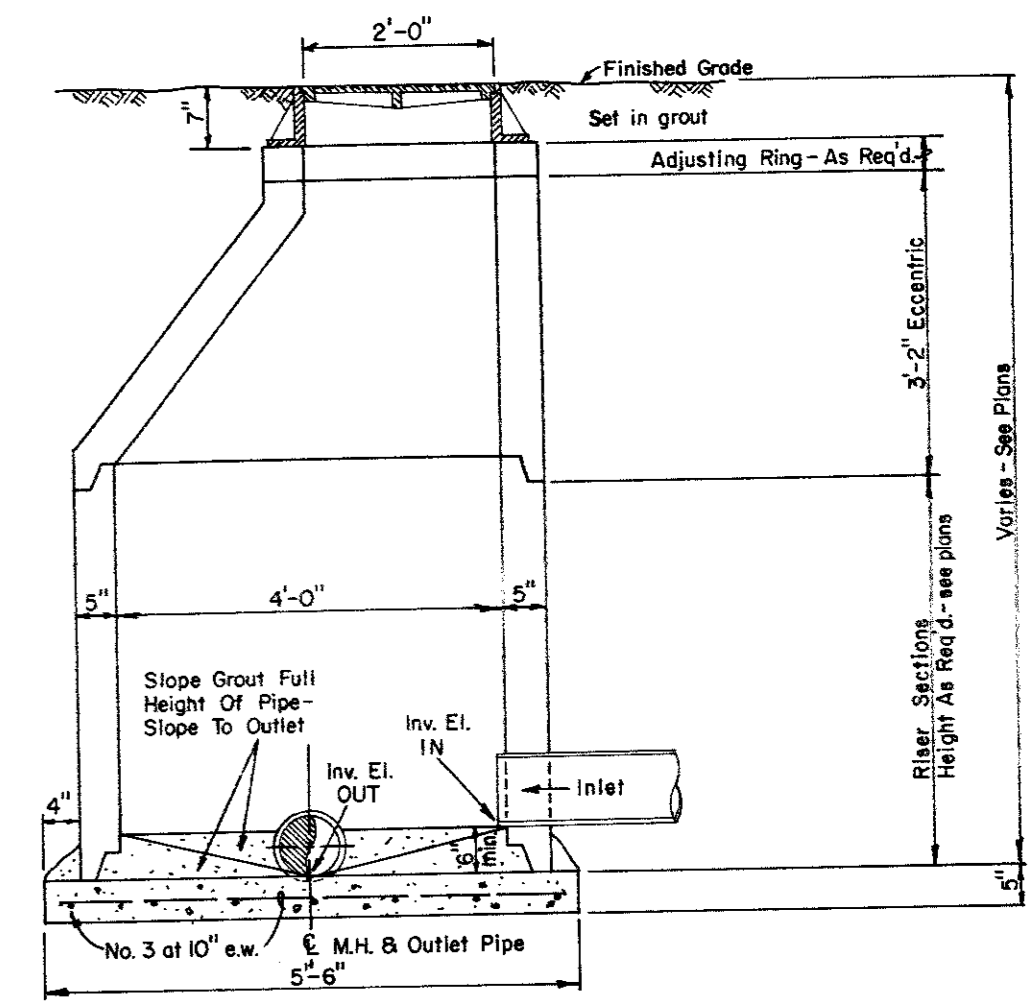
ABANDONMENT OF EXISTING MANHOLE IN AND OUT OF PAVEMENT



DROP CONNECTIONS FOR SANITARY SEWER MANHOLES



TYPICAL SEWER CONNECTION AT MANHOLE



ECCENTRIC MANHOLE DETAIL

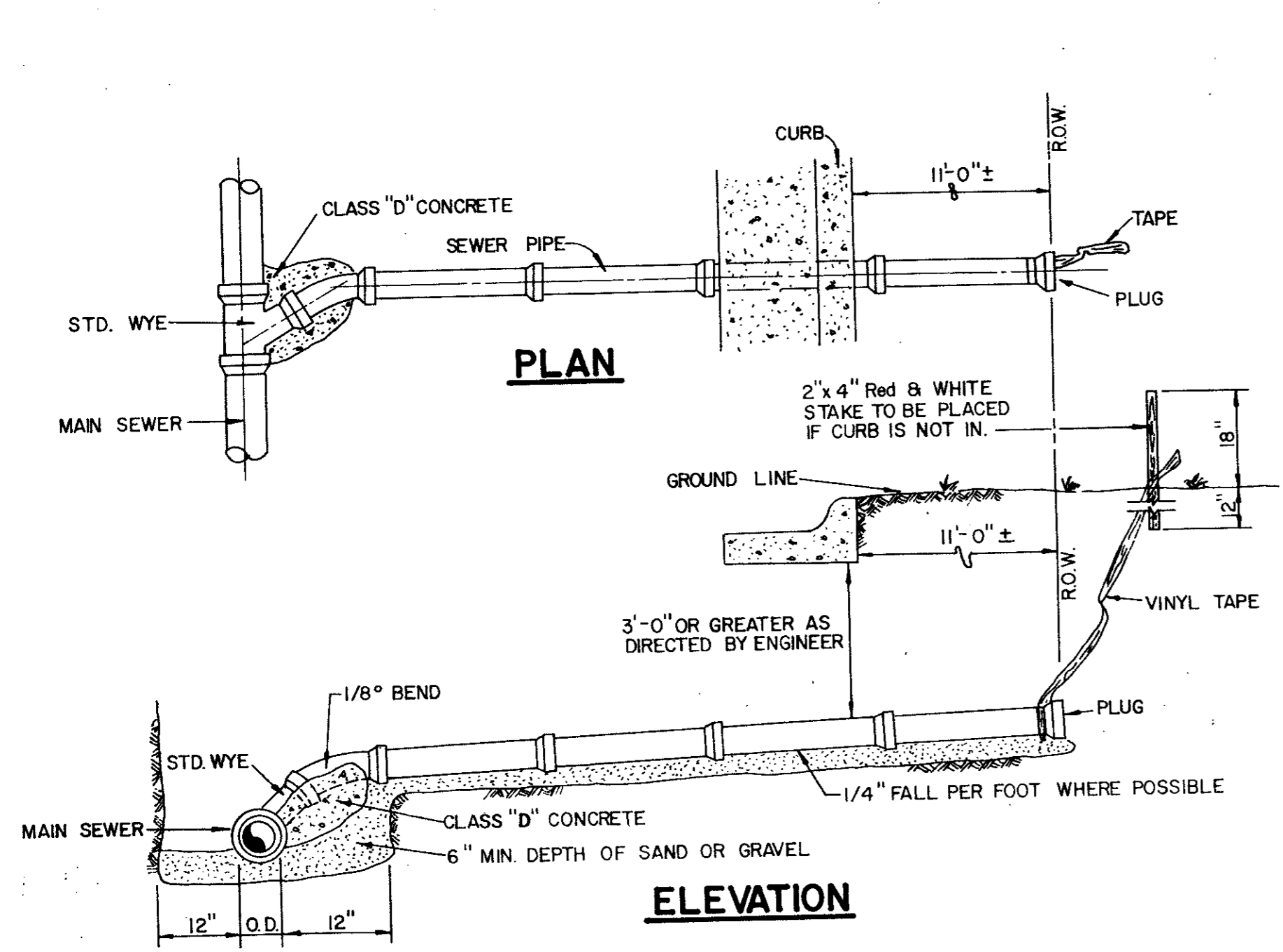
NOTE: Contractor To Install Kor-n-Seal Boot Assembly Per Mfr. Recommendations In A Neat And Workman-Like Manner.

CLASS B Conc. - 2000psi at 28 days (Compressive)

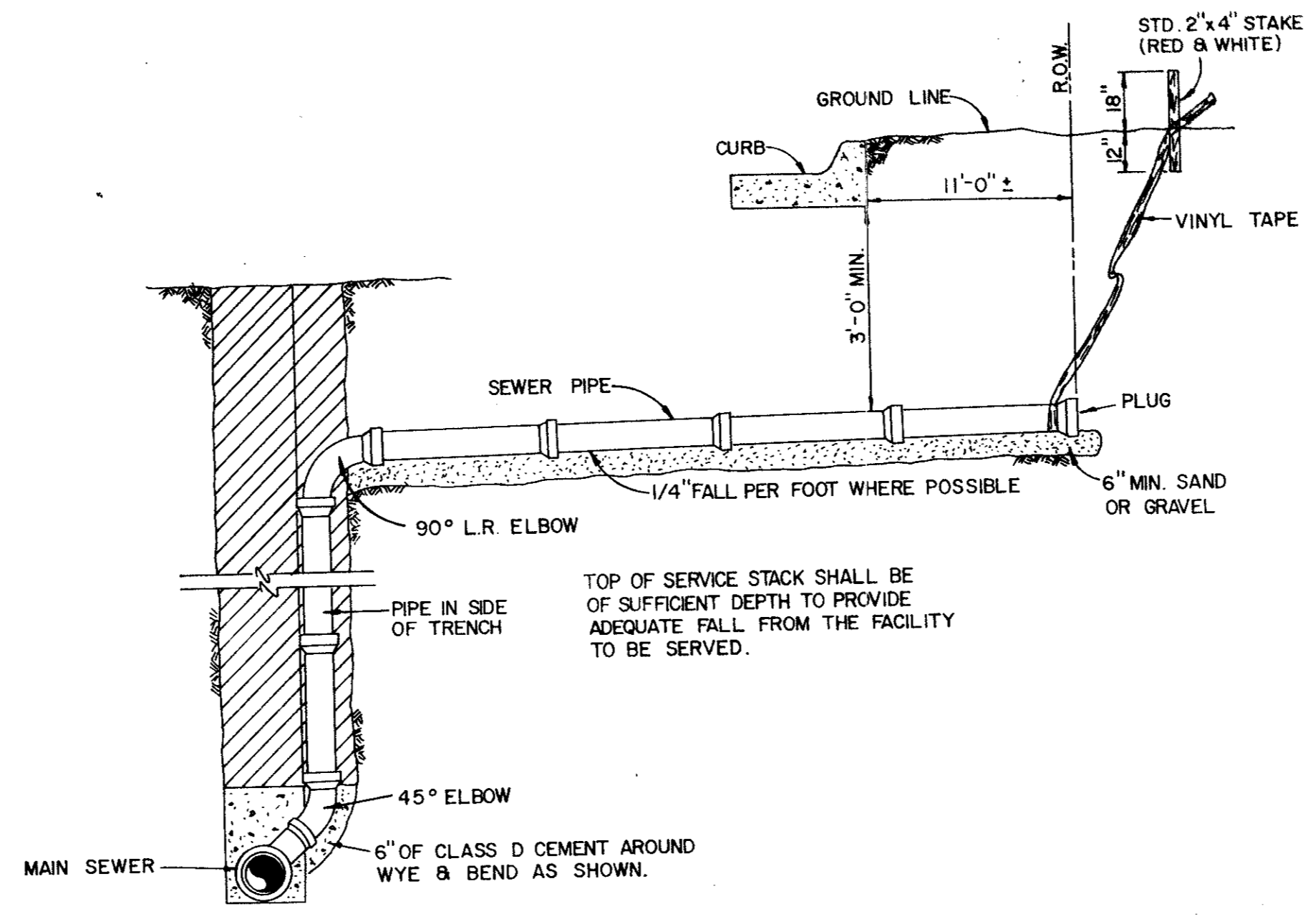
No.	Revision	By	Date
STANDARD CONSTRUCTION DETAILS SANITARY SEWER			
MANHOLES AND CONNECTIONS			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - GINN	Drawn - GINN	Date - June, 1990	Job No. - 90443
Approved - GINN	Checked - GINN	Scale - None	Sheet S9 of

SD21

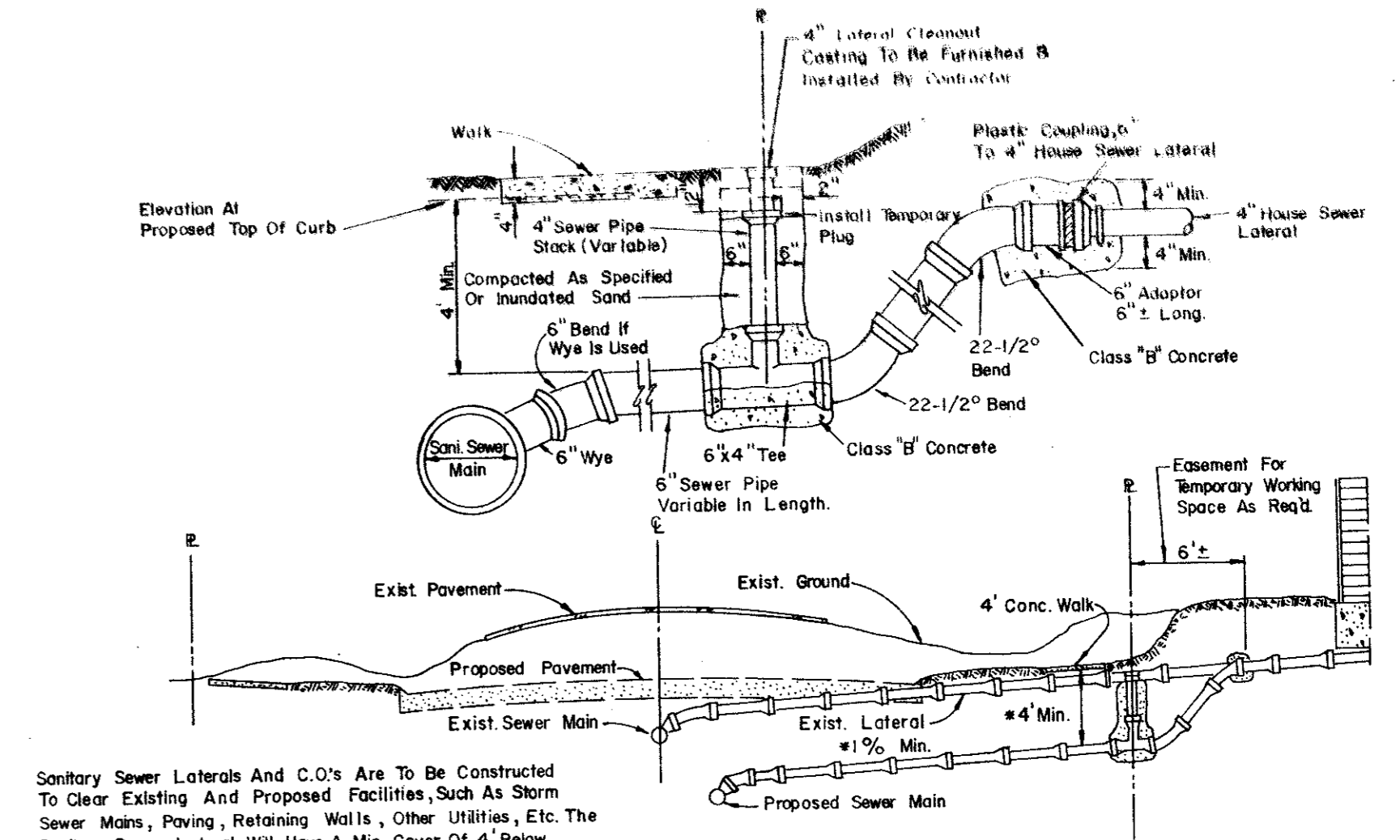
87-15



SANITARY SEWER SERVICE CONNECTION

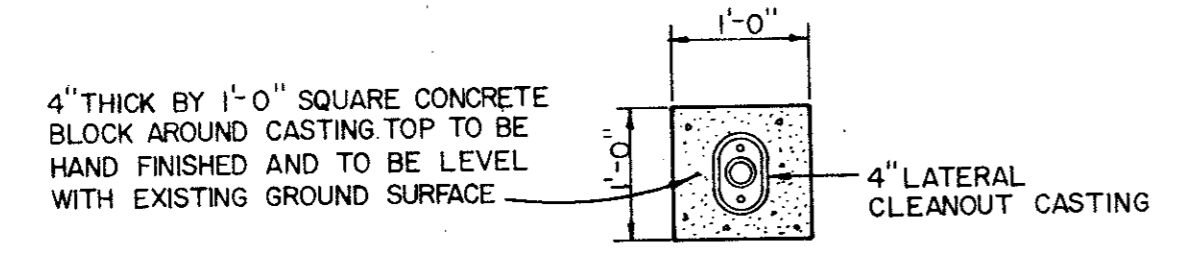


SANITARY SEWER DEEP SERVICE CONNECTION

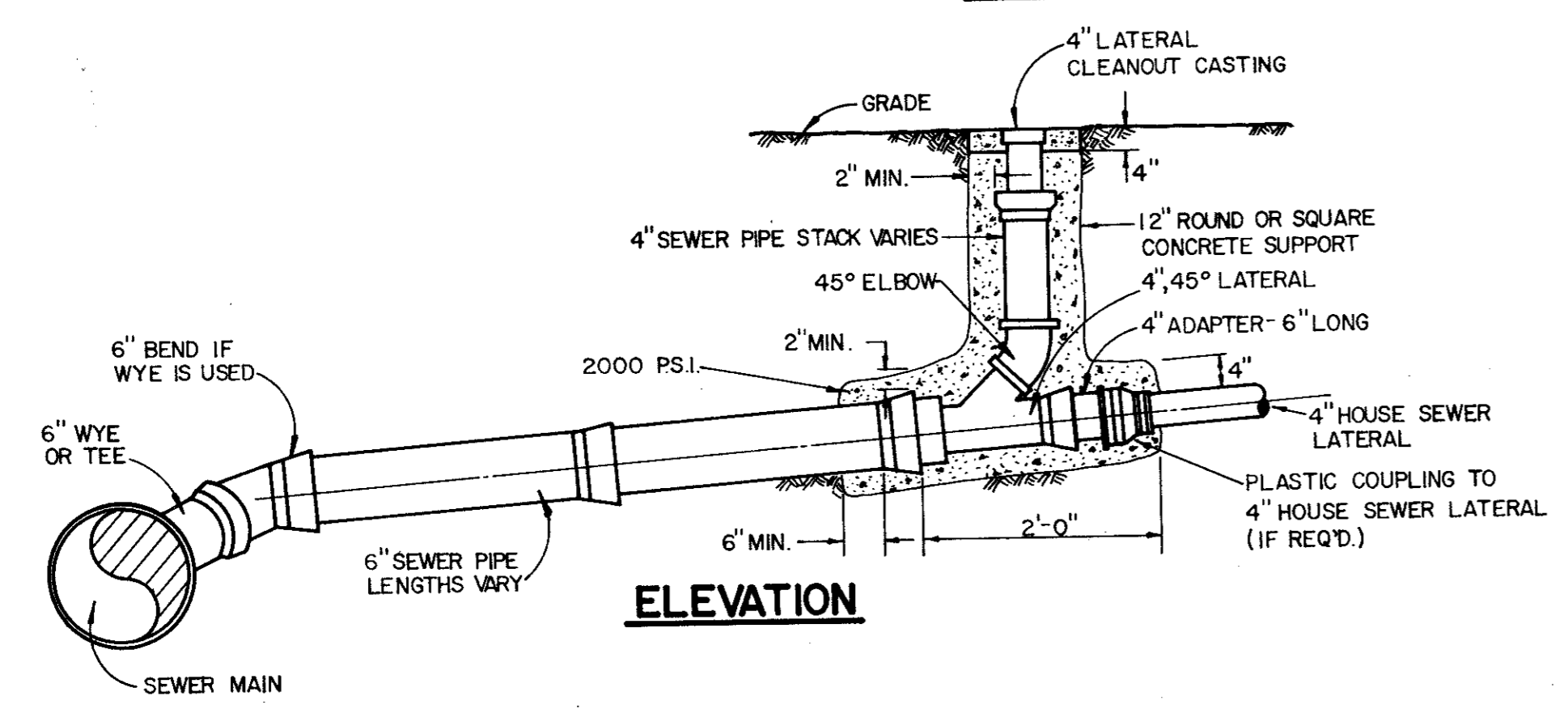


SANITARY SEWER LATERAL REPLACEMENT

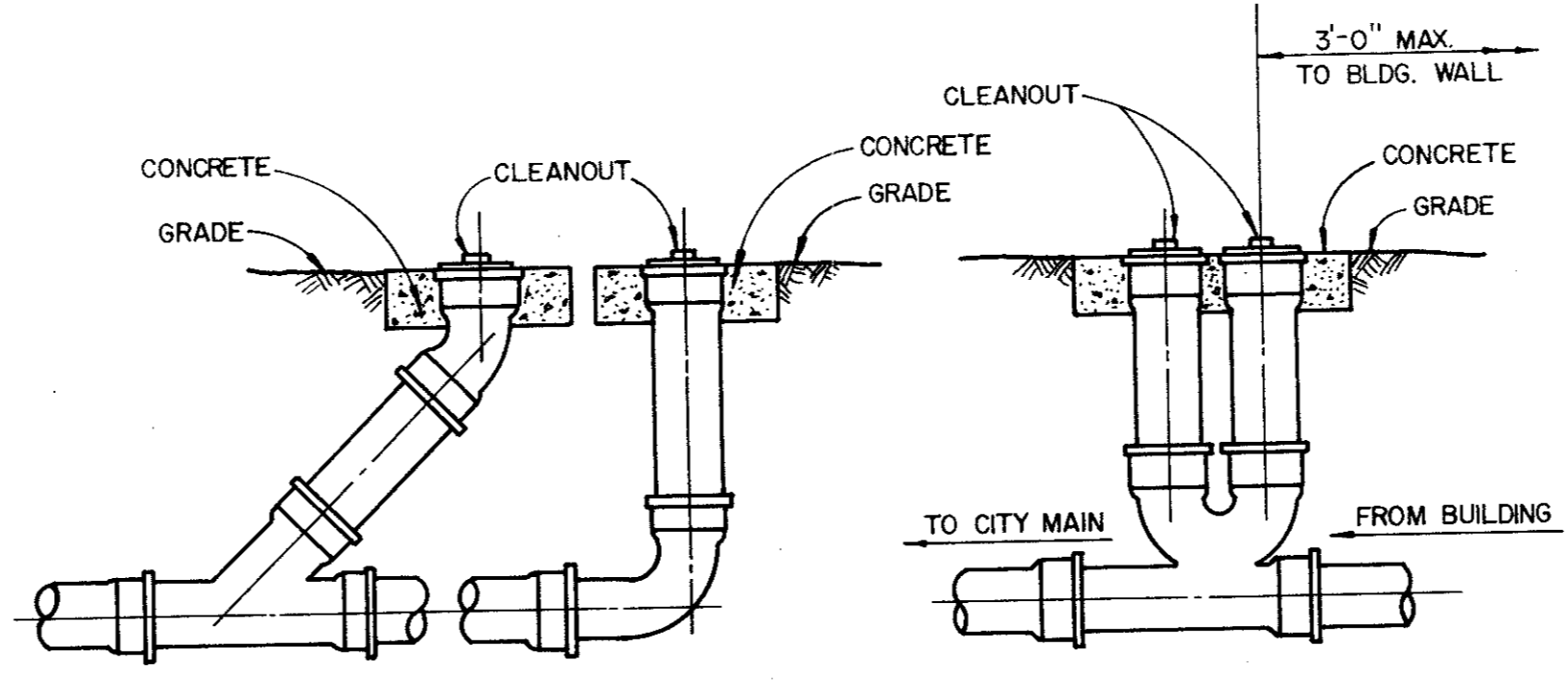
NOTE:
Cleanout To Be Installed On Property Line Except As Required To Avoid Conflict With Existing Or Proposed Facilities In Which Case The Location Shall Be Determined By The Engineer.



PLAN



ELEVATION



TYPICAL CLEANOUTS

ALL PVC SANITARY SEWER PIPE TO BE SDR 35 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. 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.

No.	Revision	Date
STANDARD CONSTRUCTION DETAILS SANITARY SEWER		
LATERALS AND CLEANOUTS		
GINN, INC. Consulting Engineers Dallas, Texas		
Designed - GINN	Drawn - GINN	Date - June, 1990
Approved - GINN	Checked - GINN	Scale - None
Job No. - 90443		Sheet - S10 of

SD22