

DEVELOPMENT PLANS

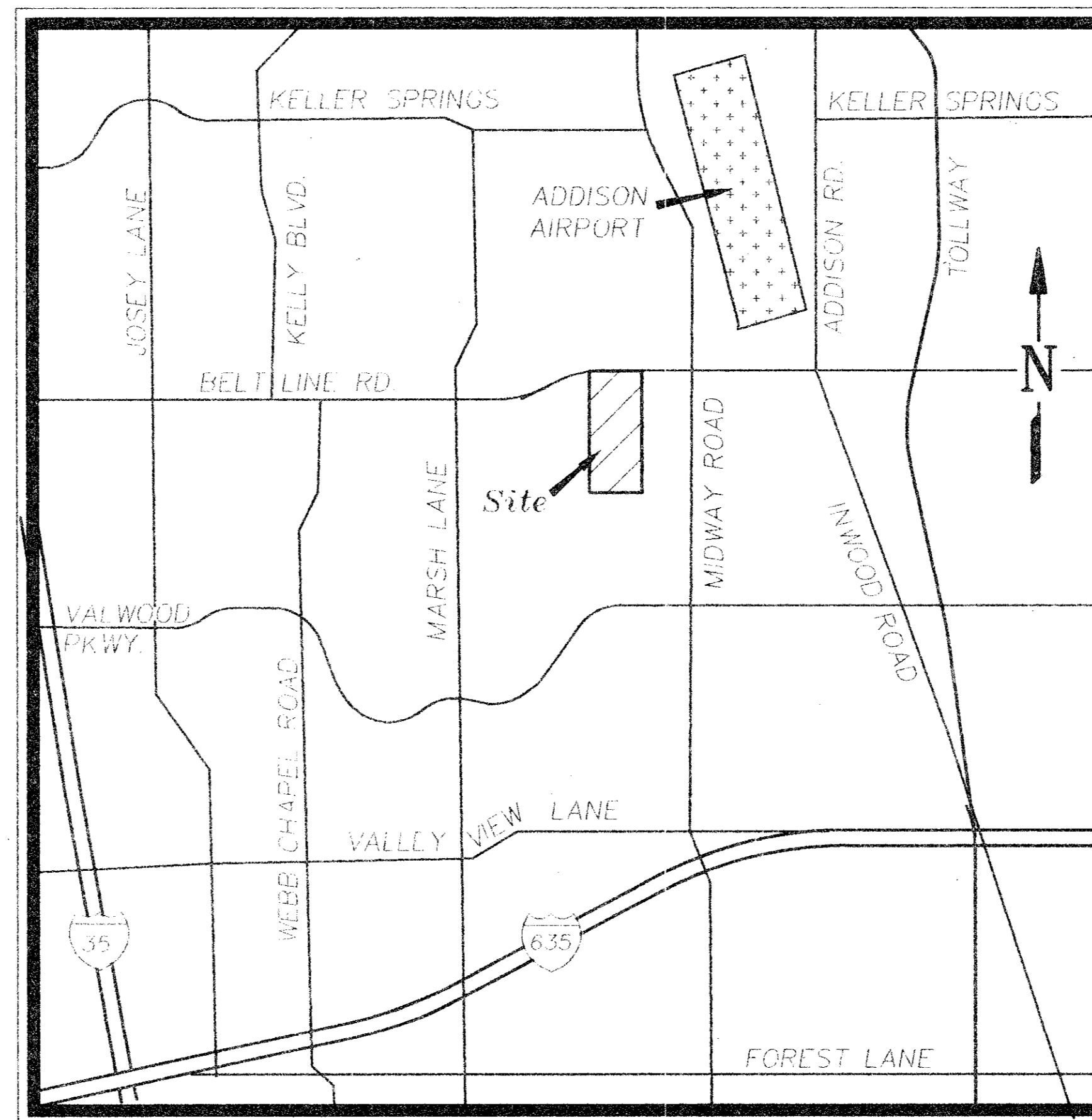
FOR

BELT LINE CENTRE

TOWN OF ADDISON, TEXAS

GENERAL NOTES

- A. Prior to final acceptance by the Town of Addison:
- 1) A Texas Registered Professional Engineer shall certify that the project was constructed in accordance with the plans and specifications approved by the Town of Addison. The owner shall provide 1 reproduction set of as-builts (sealed and certified by a Texas Registered Engineer) and 2 blue line sets.
 - 2) A five foot sidewalk shall be installed along Belt Line Road.
 - 3) A one year maintenance bond is required for the subdivision infrastructure.
 - 4) Contractor shall demonstrate that the water and sanitary sewer systems meet the proper pressure, bacteria, and mandrel tests. In addition, the owner shall provide a VHS format video tape of the sanitary sewer.
- B. Prior to starting construction, the contractor shall contract the utility companies to locate existing facilities. These include but may not be limited to the following:
- 1) Town of Addison
 - 2) Lone Star Gas
 - 3) Southwestern Bell
 - 4) Storer Cable
 - 5) Planned Cable Systems
 - 6) TU Electric
- C. Prior to beginning construction, the owner or his authorized representative shall convene a Pre-Construction Conference between the Town of Addison, Consulting Engineer, Contractor(s), utility companies and any other affected parties. Notify Bruce Ellis 450-2847 at least 48-hours prior to the time of the conference and 48-hours prior to beginning construction.
- D. Any existing pavement, curbs, and/or sidewalks damaged or removed will be repaired by the contractor at their expense.
- E. Lot pins shall be in place during construction and prior to final acceptance. Concrete monuments shall be placed on all boundary corners, block corners, curve points and angle points in public right-of-way. Concrete monuments shall be six (6) inches in diameter and twenty-four (24) inches long. A copper pin one-fourth inch in diameter embedded at least three (3) inches in the monument at the exact intersection point of the monument. The monuments shall be set at such an elevation that after construction, the top of the monument will not be less than twelve (12) inches below the ground surface.
- F. Contractor shall obtain a right-of-way permit by the Town of Addison for working within the public right-of-way.
- G. During construction, the owner shall provide a qualified geotechnical lab to perform materials testing during the construction, at the request of the Town of Addison.
- H. The contractor shall submit material sheets to the Town of Addison for approval prior to incorporating materials into the job.



LOCATION MAP
NOT TO SCALE

INDEX

Sheet No.	Description
1	Final Plat
2	Utility Plan
3	Paving & Drainage Plan
4-13	Detail Sheets

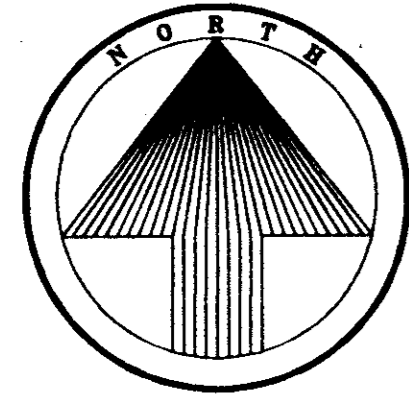
PREPARED FOR

FEDERAL DEPOSIT INSURANCE CORPORATION, AS MANAGER FOR
 FSLIC RESOLUTION FUND, SUCCESSOR IN INTEREST TO THE FEDERAL
 SAVINGS AND LOAN INSURANCE CORPORATION, AS RECEIVER FOR
 STATE FEDERAL SAVINGS AND LOAN ASSOCIATION OF LUBBOCK
 ONE SPECTRUM CENTER, 5080 SPECTRUM DRIVE, SUITE 1000E, DALLAS, TEXAS 75248



TIPTON ENGINEERING, INC.

6330 Belt Line Road ~ Suite C ~ Garland, Texas 75043 (214) 226-2967



40 20 0 40 80
SCALE: 1"=40'

A = 2114.29'
R = 1860.00'
T = 148.79'
L = 689.56'
CD = 685.62'
CB = N 77°25'09" E

MERCADO JUAREZ
(vol. 88172, pg. 1066)

LEVITZ FURNITURE CO.
OF ADDISON, TEXAS
(vol. 83056, pg. 1571)

RUNYON DRIVE
(60' R.O.W.)

BELT LINE ROAD
(100' R.O.W.)

STATE OF TEXAS X
COUNTY OF DALLAS X
OWNERS CERTIFICATE

WHEREAS FEDERAL DEPOSIT INSURANCE CORPORATION, AS MANAGER FOR FSIC RESOLUTION FUND, SUCCESSOR IN INTEREST TO THE FEDERAL SAVINGS AND LOAN ASSOCIATION OF LUBBOCK IS THE OWNER OF A TRACT OF LAND SITUATED IN THE THOMAS L. CHENOWETH SURVEY - ABSTRACT NO. 273, TOWN OF ADDISON, DALLAS COUNTY TEXAS, AND BEING THAT SAME 6.2186 ACRE TRACT OF LAND DESCRIBED IN THE SUBSTITUTE TRUSTEE'S DEED RECORDED IN VOLUME 86216, PAGE 3147 OF THE DEED RECORDS OF DALLAS COUNTY, TEXAS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING at the intersection of the Southerly line of Belt Line Road (a 100' R.O.W.), and the Easterly line of Surveyor Blvd. (a 60' R.O.W.), a point for corner.

THENCE, Easterly along the said Belt Line Road Southerly Line and around a curve to the Right having a central angle of 21° 14' 29", a radius of 1,860.00 feet and a chord bearing of N 77° 25' 09" E, an arc distance of 689.56 feet to the PLACE OF BEGINNING a P.K. Nail in rock set 9.5 feet South of street pavement back of curb at corner, from which a 5/8" iron pin found bears N 78° 39' 15" W, a distance of 1.39 feet.

THENCE, continuing along said Southerly line of Belt Line Road and around a curve to the Right having a central angle of 02° 32' 35", a radius of 1,860.00 feet and a chord bearing of N 89° 25' 00" E, an arc distance of 82.55 feet to the end of said curve a 1/2" iron pin set at corner.

THENCE, S 89° 25' 00" E, continuing along said Belt Line Road Southerly line, a distance of 310.33 feet to a 3/8" iron pin found at corner and 9.5 feet South of street pavement back of curb and 1.6 feet West of a concrete pavement drive.

THENCE, S 00° 01' 18" W, along the common line between this subject tract and Addison Plaza II, an addition to the Town of Addison, Texas recorded in Volume 79069, Page 1424 of the Map Records of Dallas County, Texas, a distance of 683.86 feet to the Northeast corner of Pecan Square Condominiums, an addition to the Town of Addison, Texas recorded in Volume 82165, Page 1772 of the Map Records of Dallas County, Texas, a 3/8" iron pin found at corner.

THENCE, N 89° 25' 00" W, along the Northerly line of Pecan Square Condominiums, a distance of 399.56 feet to a PK nail on top of wall found at corner.

THENCE, N 00° 35' 00" E, along the Easterly line of Levitz Furniture Co. of Addison, Texas, an addition to the Town of Addison, recorded in Volume 83056, Page 1571 of the Map Records of Dallas County, Texas, for a distance of 270.00 feet and continuing along the Easterly line of Mercado Juarez, an addition to the said Town of Addison recorded in Volume 88172, Page 1066 of said Dallas County Map Records, for a distance of 412.00 feet, making a total distance of 682.00 feet to the PLACE OF BEGINNING and containing 270,888 square feet or 6.2187 acres of land.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That FEDERAL DEPOSIT INSURANCE CORPORATION, AS MANAGER FOR FSIC RESOLUTION FUND, SUCCESSOR IN INTEREST TO THE FEDERAL SAVINGS AND LOAN ASSOCIATION OF LUBBOCK does hereby adopt this plat designating the herein described property as BELT LINE CENTRE, an addition to the Town of Addison, Texas, and subject to the conditions, restrictions and reservations stated hereinafter.

The easements shown on the plat are hereby reserved for the purposes as indicated, including, but not limited to, the installation and maintenance of water, sanitary sewer, storm sewer, drainage, electric, telephone, gas and cable television. Owner shall have the right to use these easements, provided however, that it does not unreasonably interfere or impede with the provision of the services to others. Said utility easements are hereby being reserved by mutual use and accommodation of all public utilities using or desiring to use the same. An express easement of ingress or egress is hereby expressly granted on, over and across all such easements for the benefit of the provider of services for which easements are granted.

Any drainage and floodway easement shown hereon is hereby dedicated to the public's use forever, but including the following covenants with regards to maintenance responsibilities. The existing channels or creeks traversing the drainage and floodway easement will remain as an open channel, unless required to be enclosed by ordinance, at all times and shall be maintained by the individual owners of the lot or lots that are traversed by or adjacent to the drainage and floodway easement. The Town will not be responsible for the maintenance and operation of said creek or creeks or for any damage or injury to private property or person that results from the flow of water along said creek, or for the control of erosion. No obstruction to the natural flow of water run-off shall be permitted by construction of any type building, fence or other structure within the drainage and floodway easement. Provided, however, it is understood that in the event it becomes necessary for the Town to channelize or consider erecting any type of drainage structure in order to improve the storm drainage, then in such event, the Town shall have the right, but not the obligation, to enter upon the drainage and floodway easement of any point or points, with all rights of ingress and egress to investigate, survey, erect, construct or maintain any drainage facility deemed necessary by the Town for maintenance or efficiency of its respective system of service.

Water main and sanitary sewer easements shall also include additional area of working space for construction and maintenance of the systems. Additional easements are also conveyed for installation and maintenance of manholes, cleanouts, fire hydrants, water service and sewer services from the man to curb or pavement line, and the descriptions of such additional easements herein granted shall be determined by their locations as installed.

This plat is approved subject to all platting ordinances, rules, regulations and resolutions of the Town of Addison, Texas.
WITNESS my hand at Addison, Texas, this the 17th day of July, 1992.

FEDERAL DEPOSIT INSURANCE CORPORATION, AS MANAGER FOR FSIC RESOLUTION FUND, SUCCESSOR IN INTEREST TO THE FEDERAL SAVINGS AND LOAN ASSOCIATION OF LUBBOCK

STATE OF TEXAS X
COUNTY OF DALLAS X

BEFORE ME, the undersigned authority, a Notary Public in and for said County and State, on this day personally appeared Gregory A. McCall known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same in the capacity therein stated and for the purposes and considerations therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 17th day of July, 1992.

Notary Public, State of Texas
SURVEYORS CERTIFICATE

I, GREGORY A. McCALL, Registered Professional Land Surveyor for Tipton Engineering, Inc., do hereby certify that the plat shown hereon accurately represents the results of an on-the-ground survey made under my direction and supervision, and further certify that all corners are as shown thereon, and that said plat has been prepared in accordance with the platting rules and regulations of the Town of Addison, Texas.

DATED: This the 17th day of July, 1992.



TIPTON ENGINEERING, INC.
Gregory A. McCall
Registered Professional Land Surveyor
No. 4396

STATE OF TEXAS X
COUNTY OF DALLAS X

BEFORE ME, the undersigned authority, a Notary Public in and for said County and State, on this day personally appeared GREGORY A. McCall, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same in the capacity therein stated and for the purposes and considerations therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 17th day of July, 1992.



Charlene Sacret
Notary Public, State of Texas

CERTIFICATE OF APPROVAL

APPROVED BY THE TOWN OF ADDISON, DALLAS COUNTY, TEXAS, this the 14th day of July, 1992.

MAYOR
SECRETARY

FILED
1992 JUL 27 PM 2:22

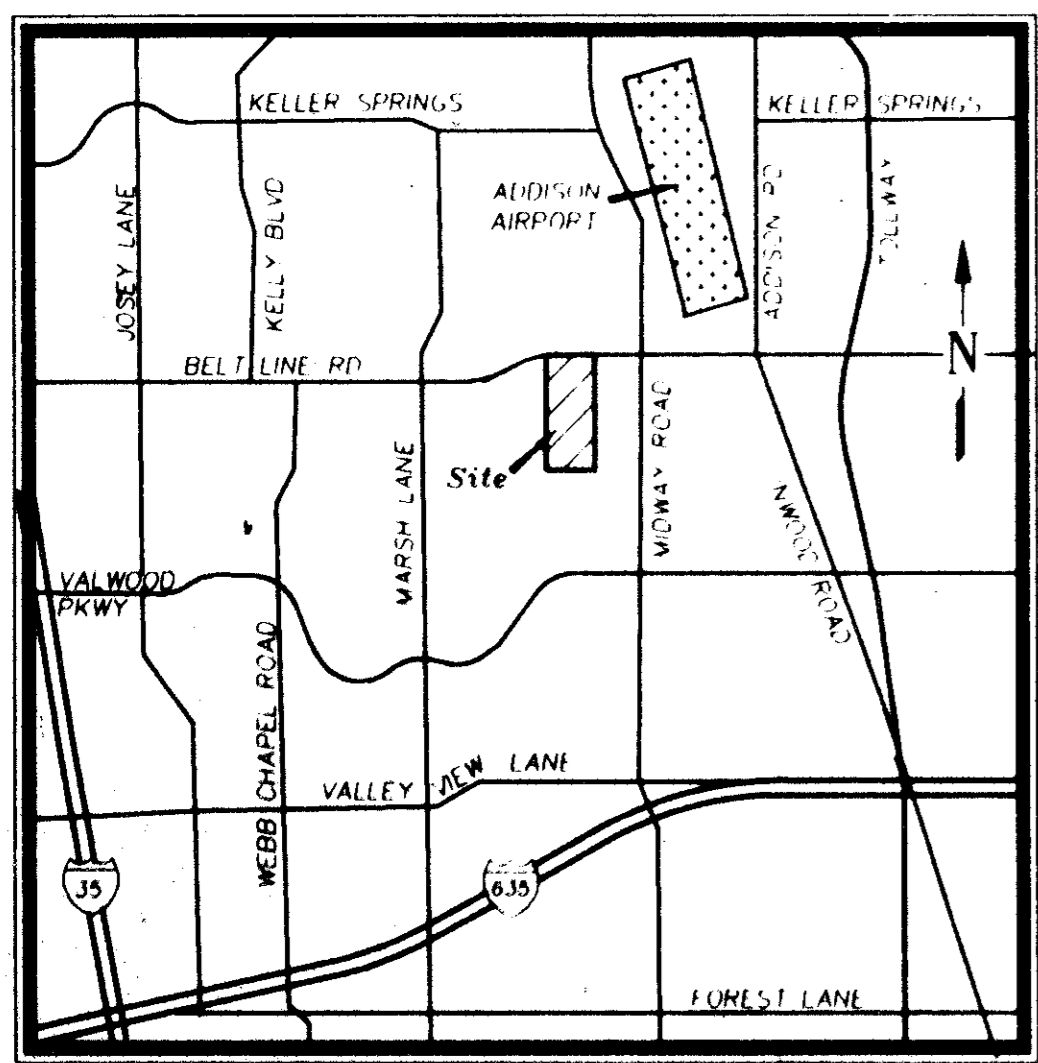
BLOCK NO. 1

Lot 2
152,368 Sq. Ft.
or
3.4979 Ac.

Lot 1
66,184 Sq. Ft.
or
1.5194 Ac.

Lot 3
50,721 Sq. Ft.
or
1.1644 Ac.

PECAN SQUARE CONDOMINIUMS
(vol. 82165, pg. 1772)



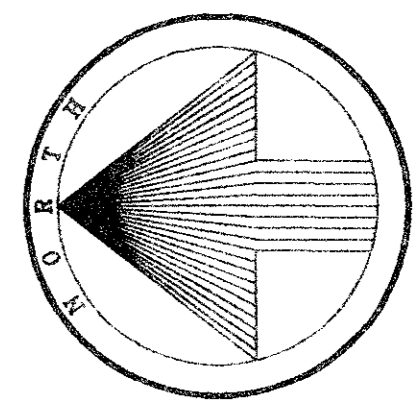
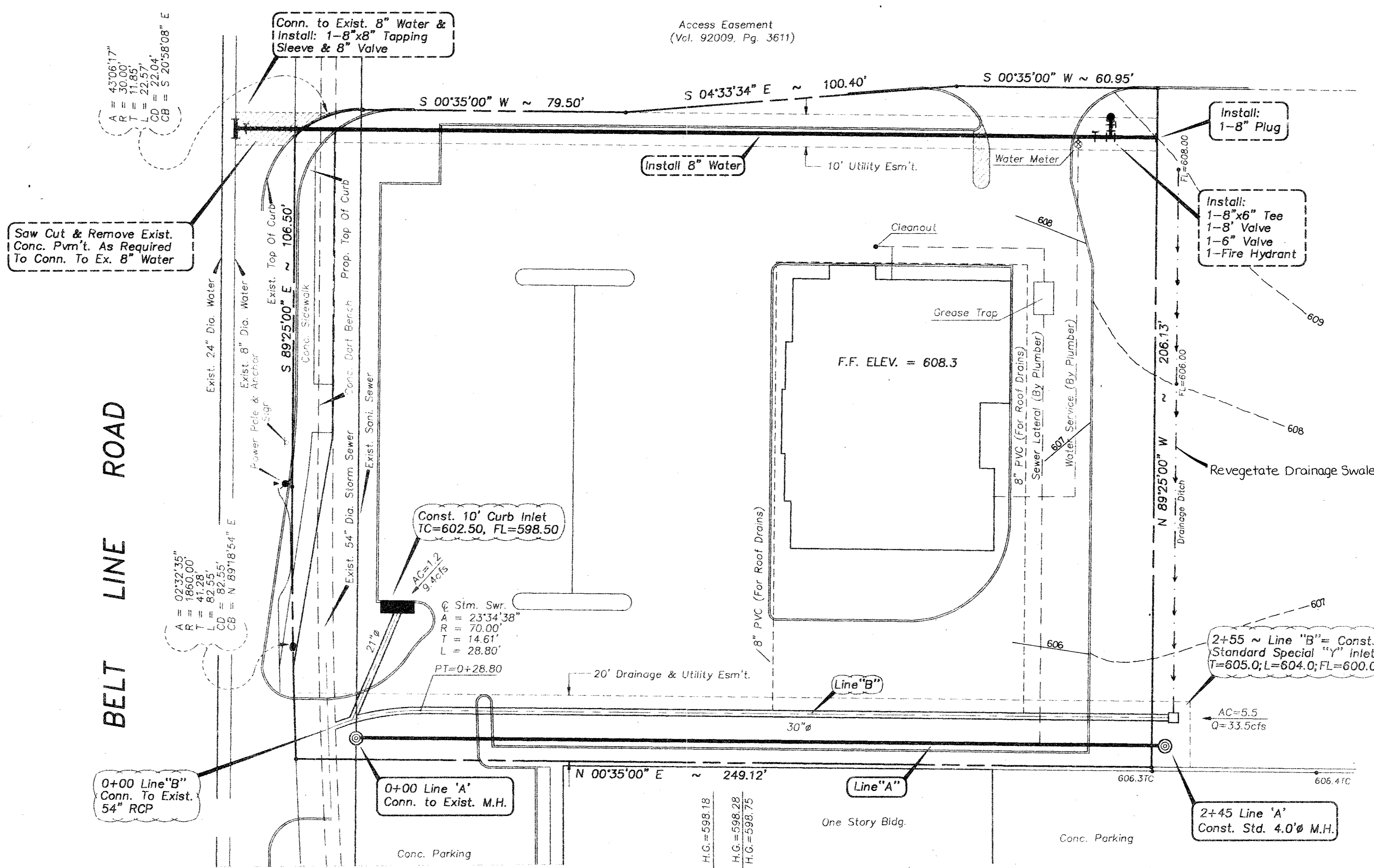
6.2187 Acres J Lots

FINAL PLAT BELT LINE CENTRE

TOWN OF ADDISON
THOMAS L. CHENOWETH SURVEY ~ ABSTRACT NO. 273
DALLAS COUNTY, TEXAS

OWNER
FEDERAL DEPOSIT INSURANCE CORPORATION, AS MANAGER FOR FSIC RESOLUTION FUND, SUCCESSOR IN INTEREST TO THE FEDERAL SAVINGS AND LOAN ASSOCIATION OF LUBBOCK
ONE SPECTRUM CENTER, 5080 SPECTRUM DRIVE, SUITE 1000E, DALLAS, TEXAS 75248
SURVEYOR ~

TIPTON ENGINEERING, INC.
6330 BELT LINE ROAD - SUITE C - GARLAND, TEXAS 75043 - PH. NO. (214)226-2967

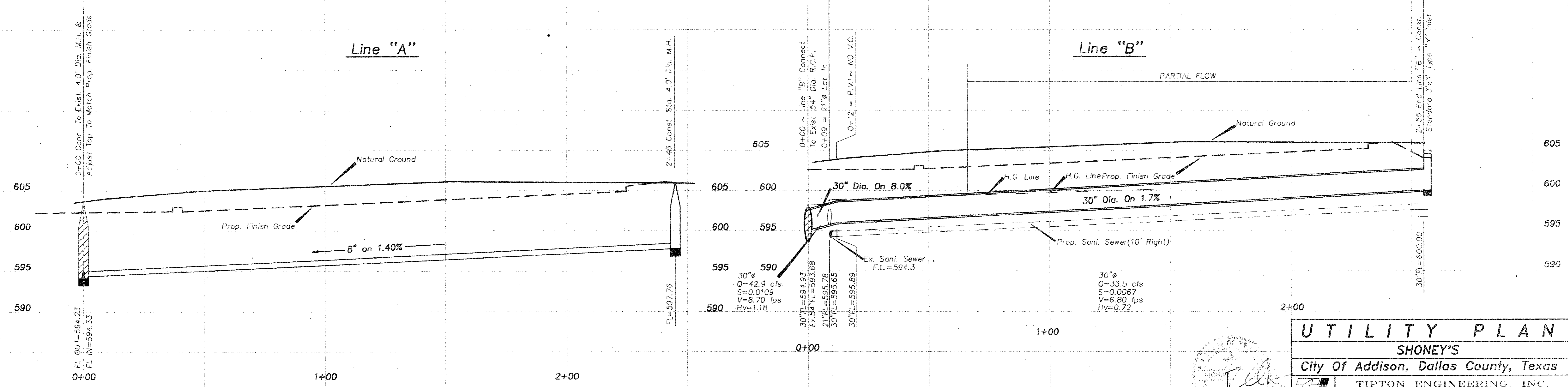


Special 'Y' Inlet Capacity
 Capacity = CA √2gh
 C=0.7 g=32.2
 A=6 h=1
 Capacity = 33.7CFS

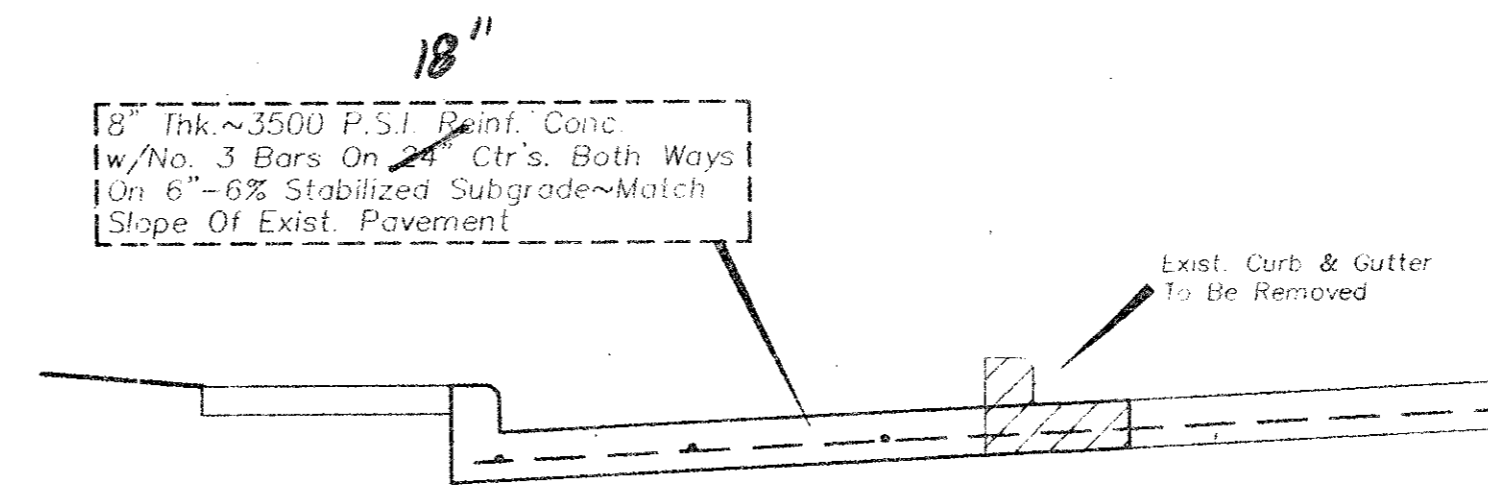
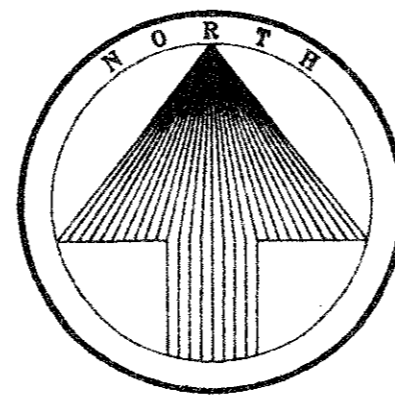
DRAINAGE DATA
 Tc=10.0 MINUTES
 C=0.7 (OFFSITE)
 C=0.9(ONSITE)
 I=8.7 IN./HR.

Line "A"

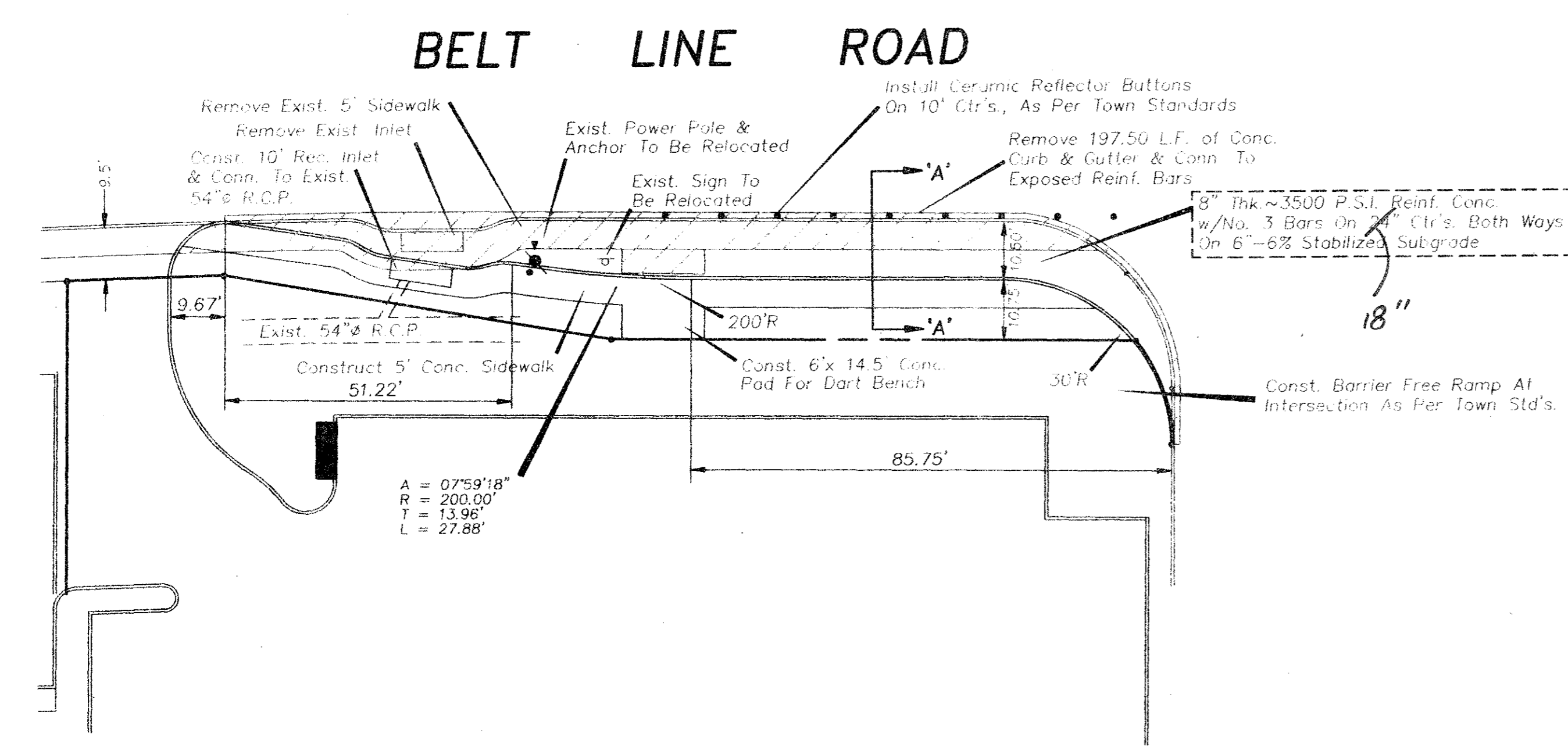
Line "B"



UTILITY PLAN						
SHONEY'S						
City Of Addison, Dallas County, Texas						
TIPTON ENGINEERING, INC.						
6330 Belt Line Rd. ~ Suite C ~ Garland, Texas 75043						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO
i.e., inc.	gd	7/92	1"=20'H 1"=6'V		#3690	2



Typical Section 'A-A'

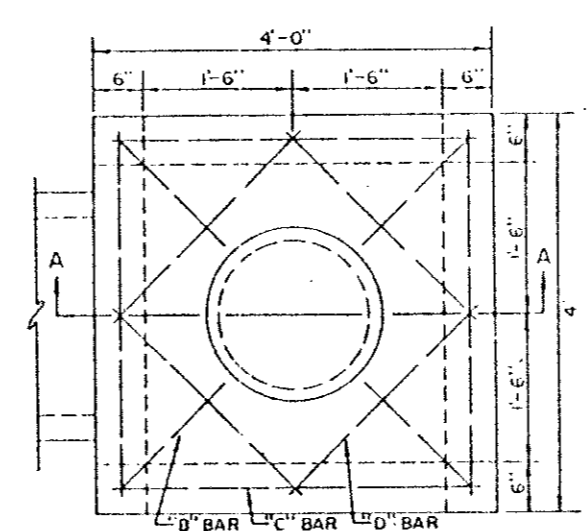


General Notes
 1. Pavement Joints For The Left turn Lane To Match Pavement Joint Of In Belt Line Road.

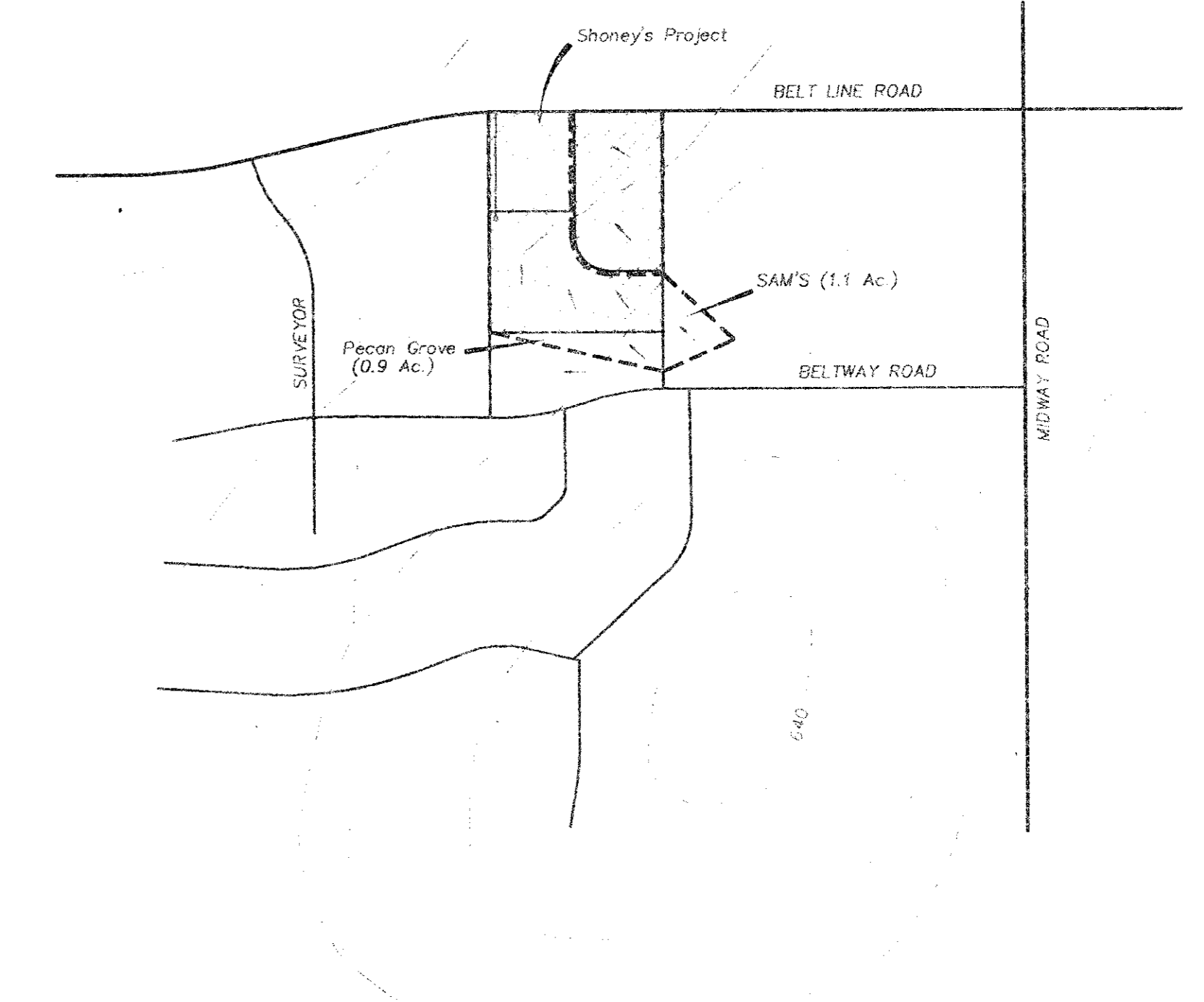
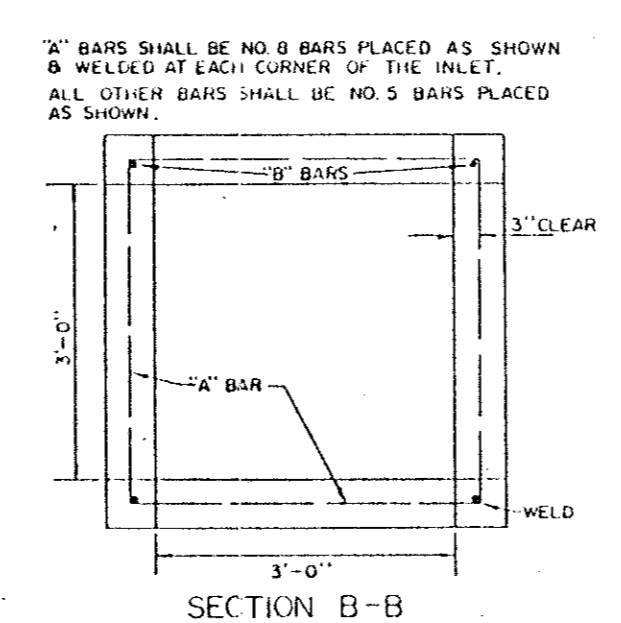
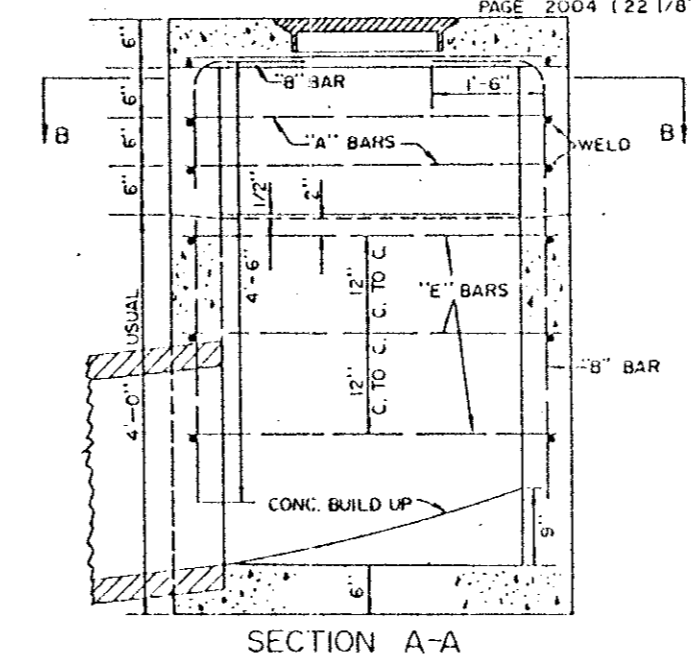
TRAFFIC CONTROL NOTES:

1. Traffic control shall be maintained during the construction of improvements along Beltline Road as provided for in Part VI "Construction and Maintenance" section of the "Texas Manual on Uniform Traffic Control Devices" by the State of Texas Department of Highways and Public Transportation.
2. Construction shall be performed from start to finish on either the median side or the outside lane (one side at a time). This is to minimize the effect of construction on any one traffic lane at a time.
3. Once begun, construction on either side shall be conducted as expeditiously as possible in order to complete the work.
4. Construction to Beltline shall be performed between the hours of 9:30 AM and 3:30 PM, Monday through Saturday. Sunday hours would be limited to daylight. The traffic lane effected by construction may be fully closed, utilizing the appropriate temporary devices, during these hours and must be re-opened during non-construction hours. When an edge of driving lane is a hazard during non-construction hours it shall be lined with flashing vertical panels spaced no greater than 40 feet apart.

SPECIAL "Y" INLET

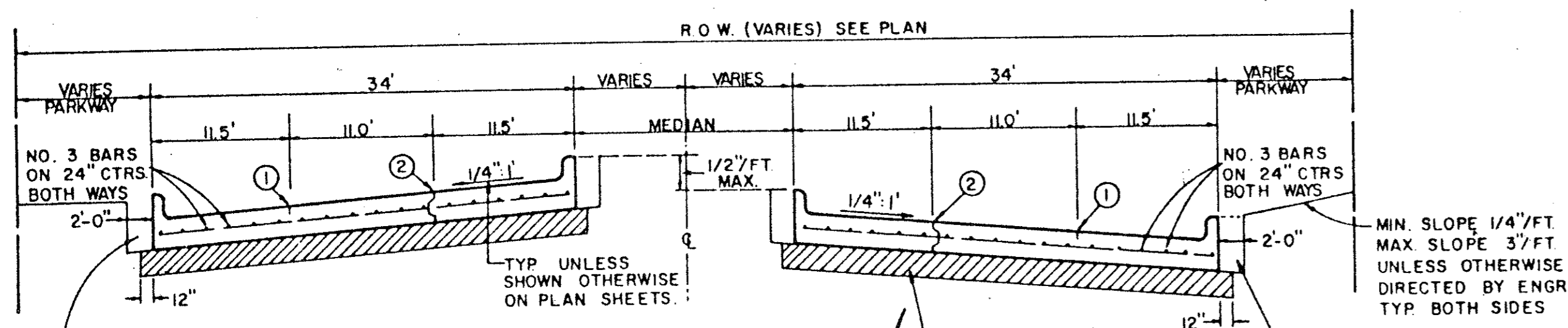


NOTES: ALL CONCRETE TO BE 3000 P.S.I.
 DEPTH OF INLETS MAY VARY TO SUIT CONDITIONS IN THE FIELD OR AS SPECIFIED ON PLANS.
 USE CITY OF DALLAS STANDARD INLET FRAME & COVER
 PAGE 2004 (22 1/8" FRAME)



OFFSITE DRAINAGE MAP
 Not To Scale

PAVING & DRAINAGE PLAN						
BELT LINE CENTRE						
Town Of Addison, Dallas County, Texas						
TIPTON ENGINEERING, INC.						
6330 Belt Line Rd. ~ Suite C ~ Garland, Texas 75043						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
t.e.	gd	7/92	1"=20'H 1"=6'V		#3690	3



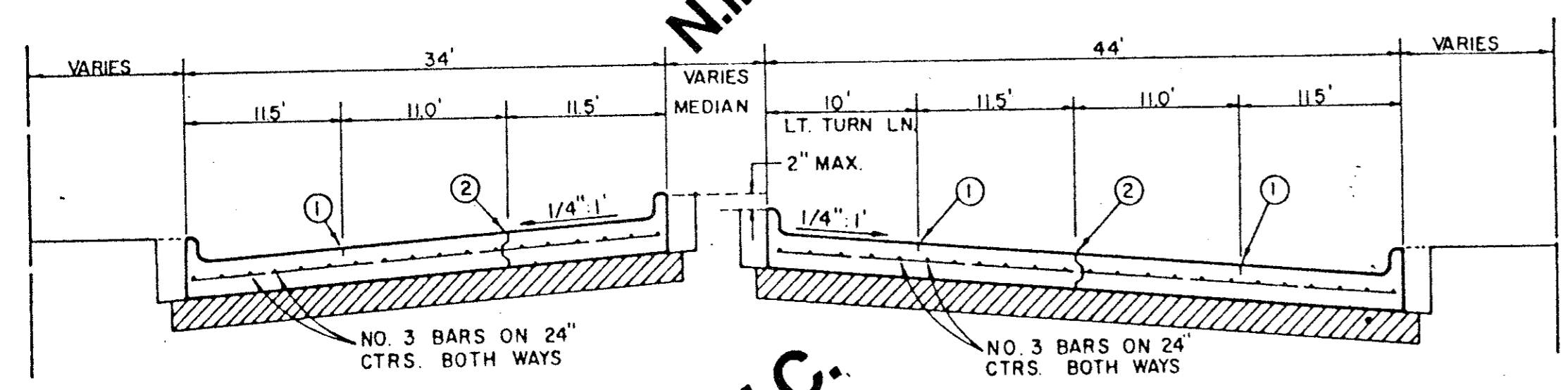
REGULAR SECTION

NOTE: BACKFILL NOT A SEPARATE PAY ITEM, INCIDENTAL TO CONST. MATERIAL ACQUIRED FROM EXCAVATION MAY BE USED IF APPROVED BY ENGR.

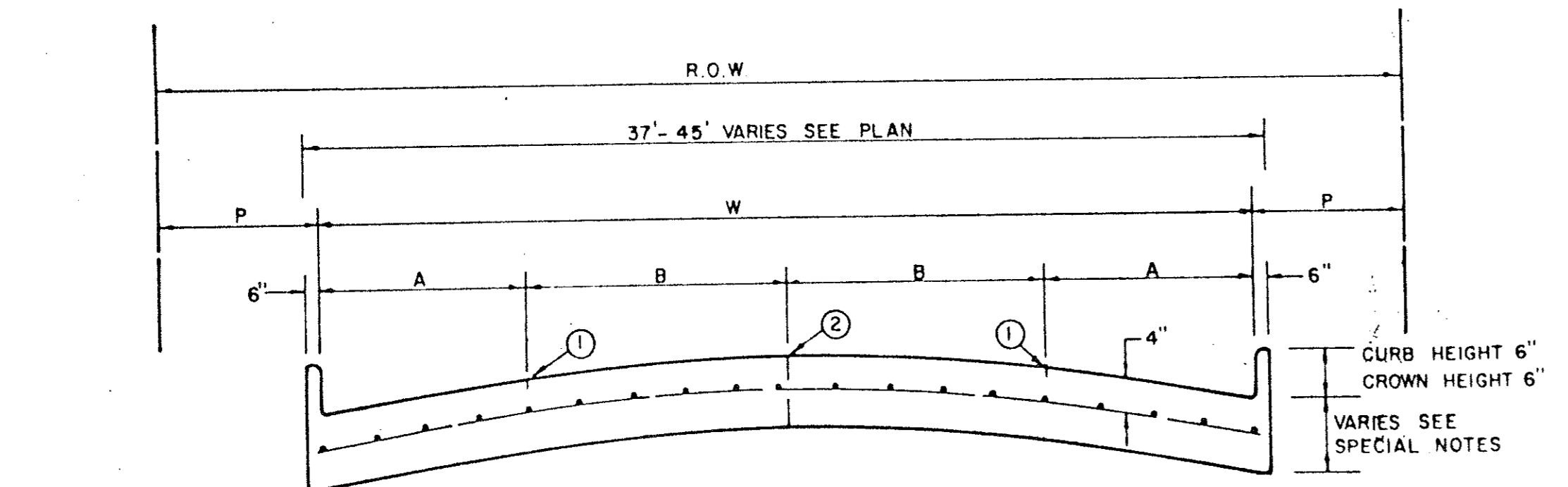
NOTE: ALL TYPICAL NOTES SHOWN THIS DETAIL SHALL APPLY TO ALL DETAILS THIS SHEET UNLESS OTHERWISE INDICATED.

MIN. SLOPE 1/4"/FT MAX. SLOPE 3/4" FT UNLESS OTHERWISE DIRECTED BY ENGR. TYP. BOTH SIDES.

LIMITS OF EXCAVATION TYP. ALL DETAILS THIS SHEET.



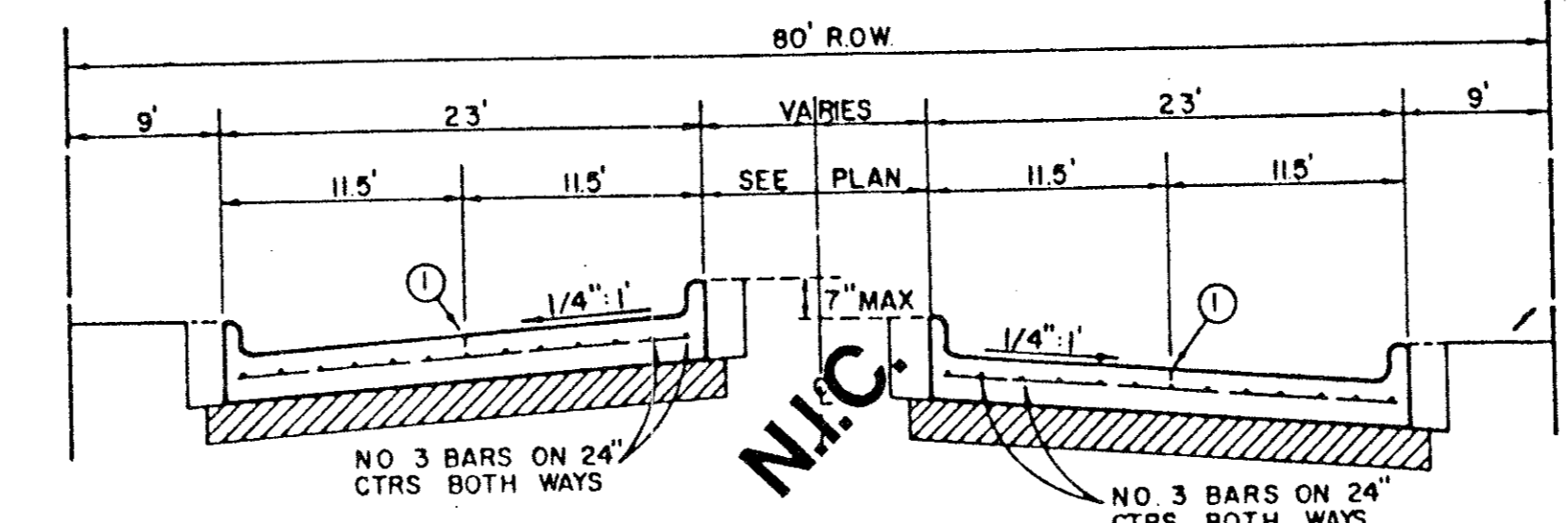
**LEFT TURN SECTION
MAJOR ARTERIAL**



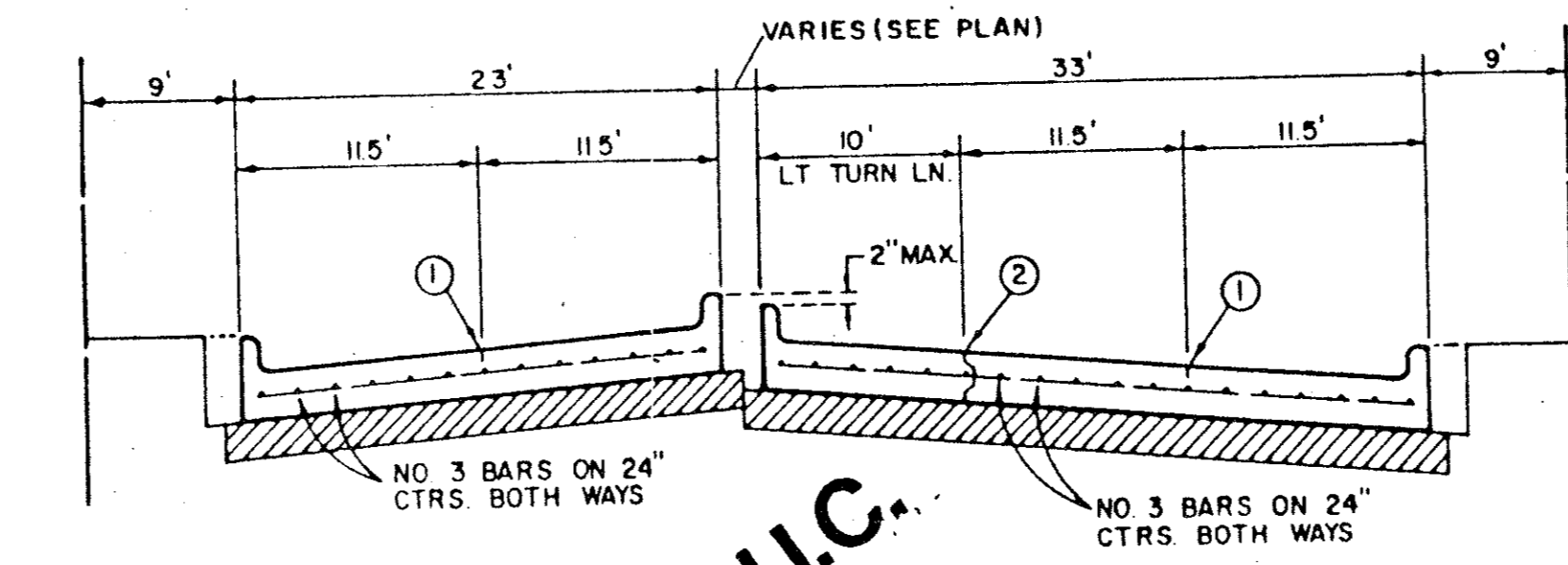
FOUR MOVING LANES OR TWO MOVING LANES/TWO PARKING LANES

STREET TYPE	STREET WIDTH (W)	A	B	ROW 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'

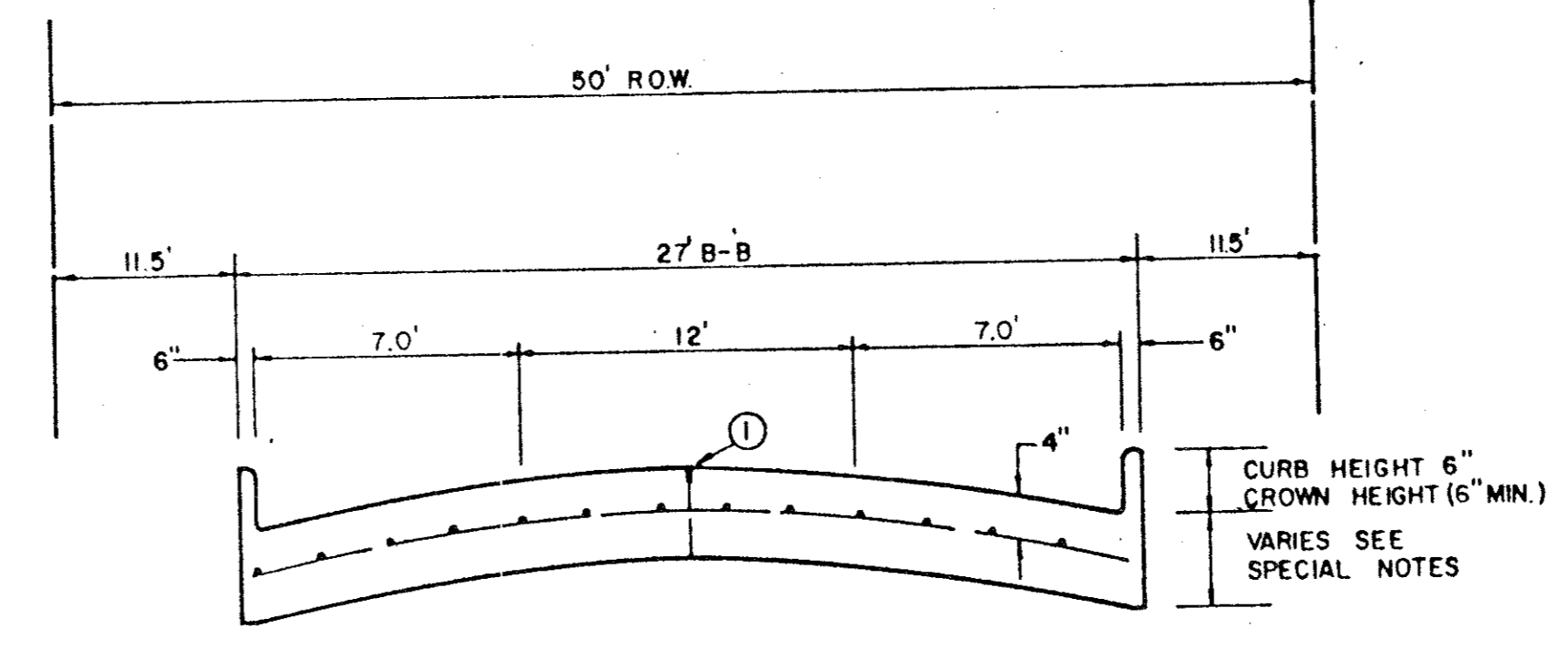
COLLECTOR STREET



REGULAR SECTION

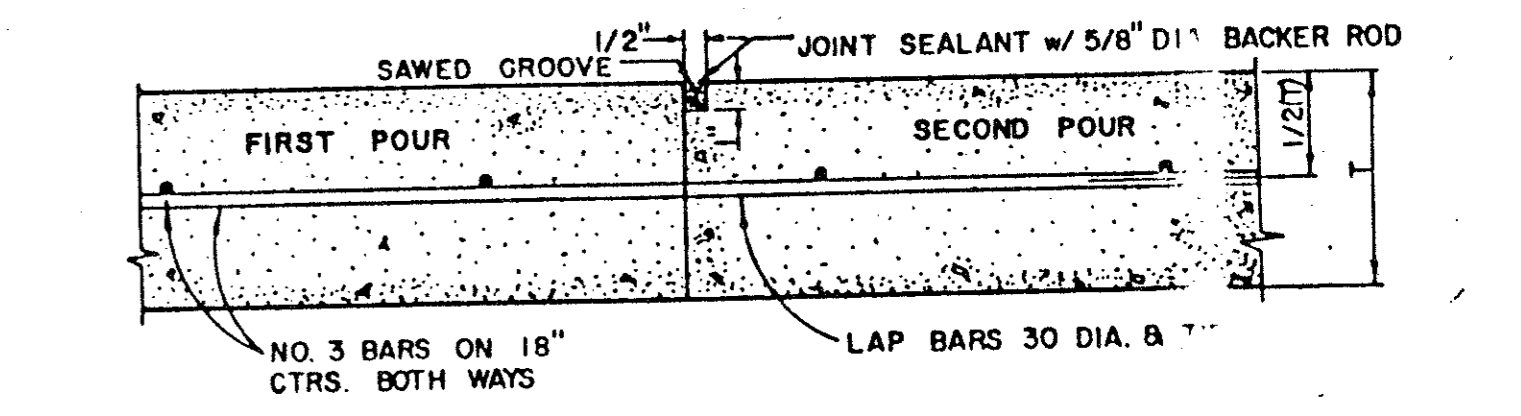
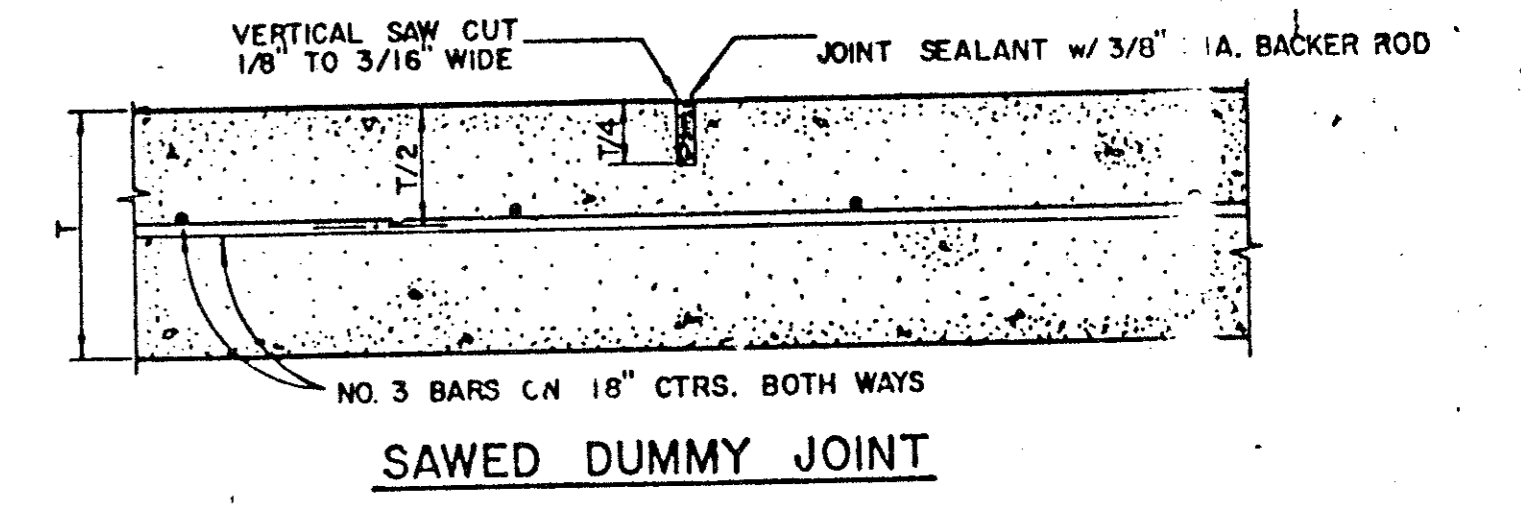


**LEFT TURN SECTION
MINOR ARTERIAL**

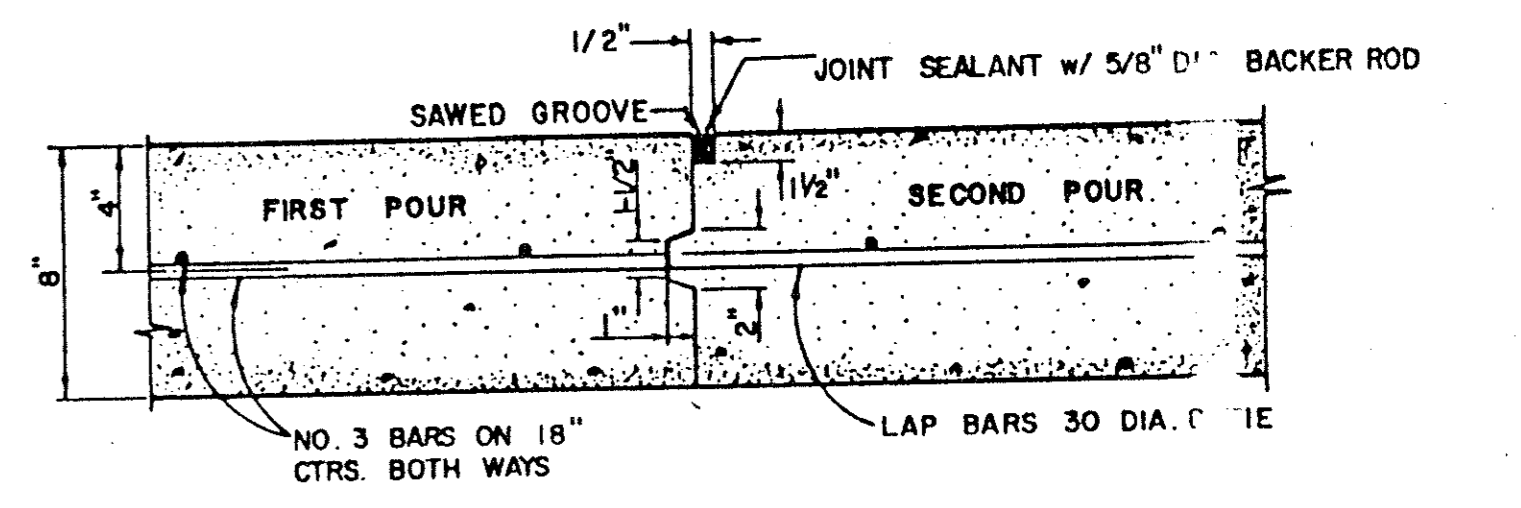


ONE MOVING LANE / TWO PARKING LANES

LOCAL STREET



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
- D. REINFORCED CONCRETE PAVEMENTS
 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 STANDARD CONSTRUCTION DETAILS, OR AS APPROVED BY ENGINEER.
 4. BAR LAPS SHALL BE 30 DIAMETERS.
- C. BAR CHAIRS OR AN APPROVED SUPPORTING DEVICE SHALL BE FURNISHED.

REINFORCED CONCRETE PAVEMENT

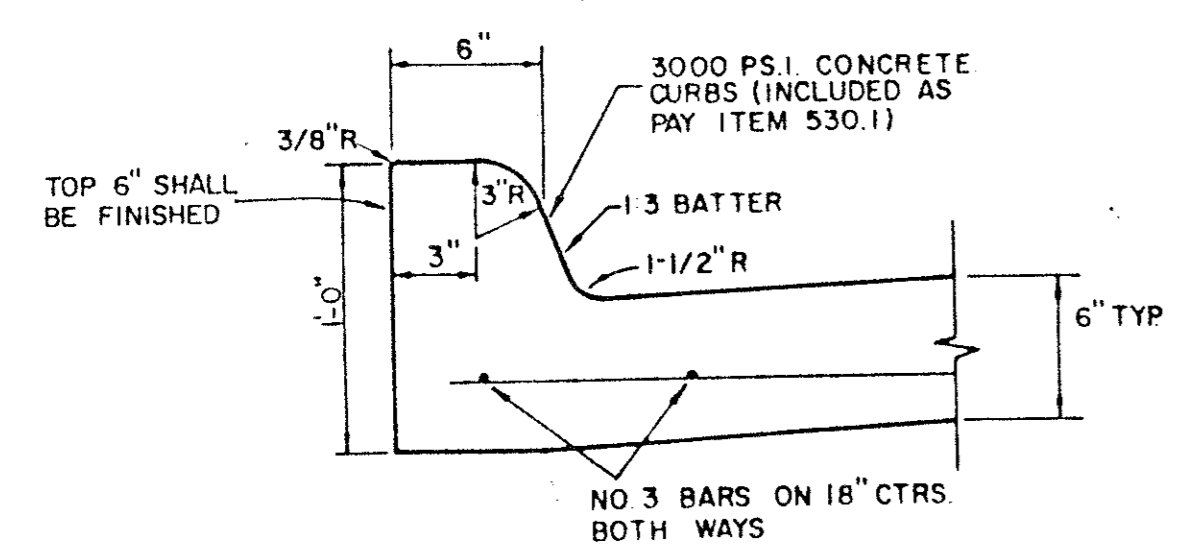
ALL REINFORCING BARS SHALL BE NO. 3 TRANSVERSE BARS TO BE SPACED ON 1'-6" CENTERS; LONGITUDINAL BARS TO BE SPACED ON 1'-6" EXCEPT WHERE NOTED.

UNDIVIDED STREETS-PROVIDE 4" DBL.-REF YELLOW & BUTTON P-17-Y PATTERNS TO BE ESTABLISHED BY ENGINEER. SEE DETAIL SHEET

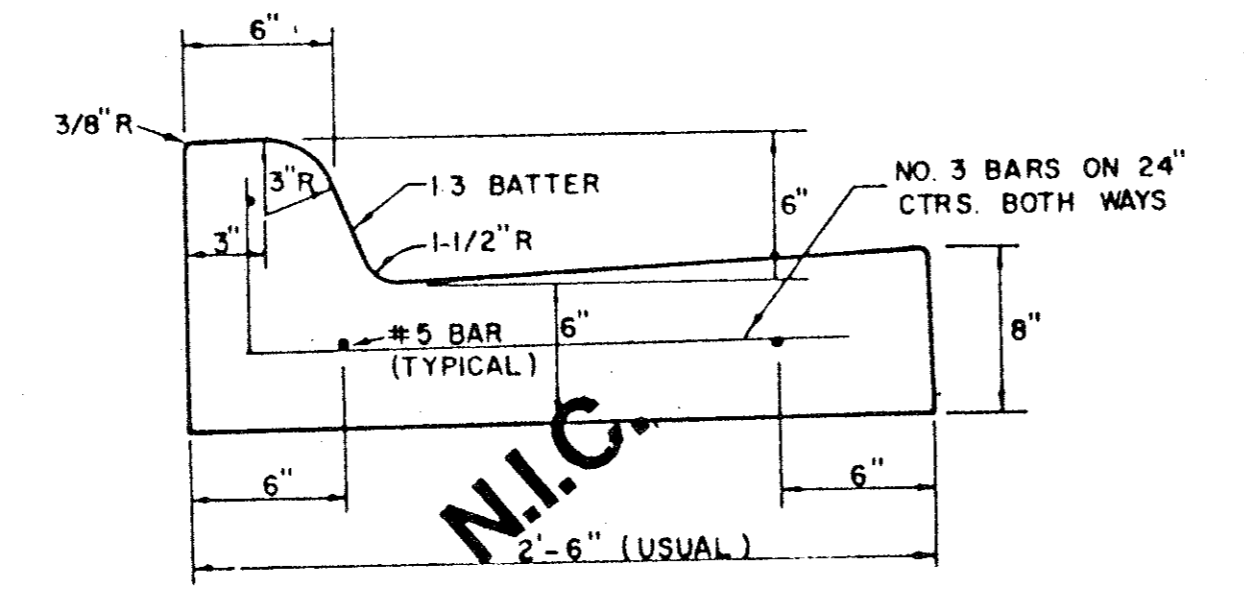
① SAWED LONGITUDINAL DUMMY JOINT.

② CONSTRUCTION JOINT (FULL WIDTH PAVT IS ALLOWED WHERE APPROVED BY ENGINEER.

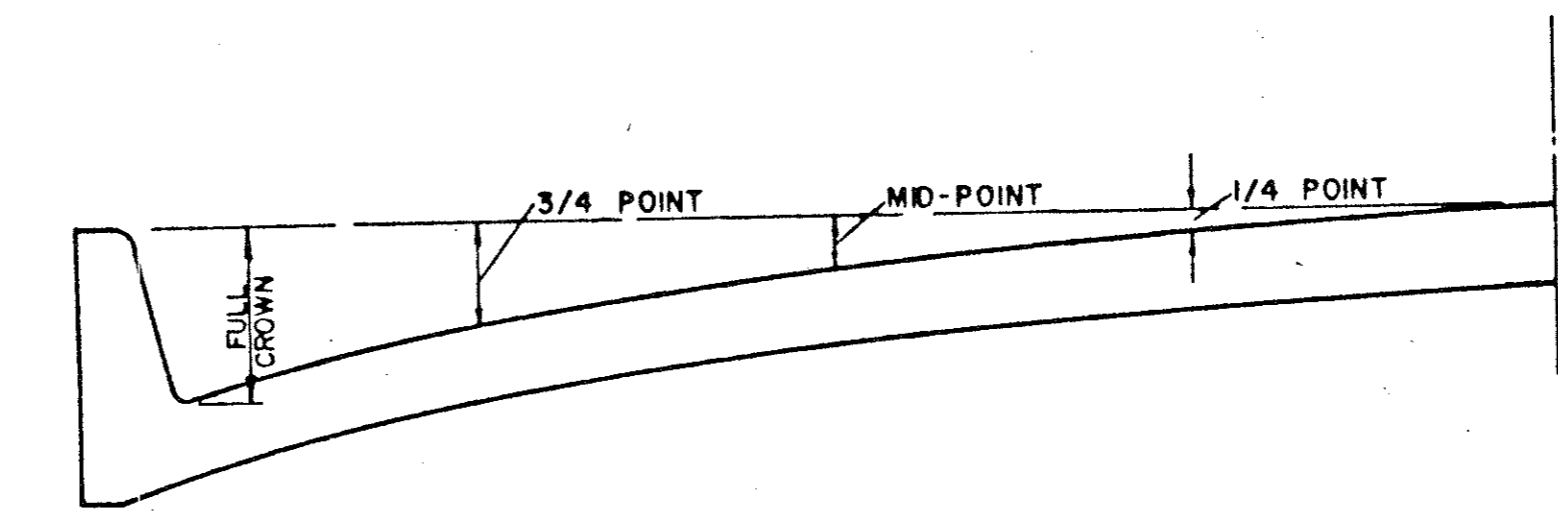
③ FINISH SHALL BE TRANSVERSE WITH TRAFFIC LANES AND SHALL BE STEEL TINED BROOM FINISH.



STANDARD CURB

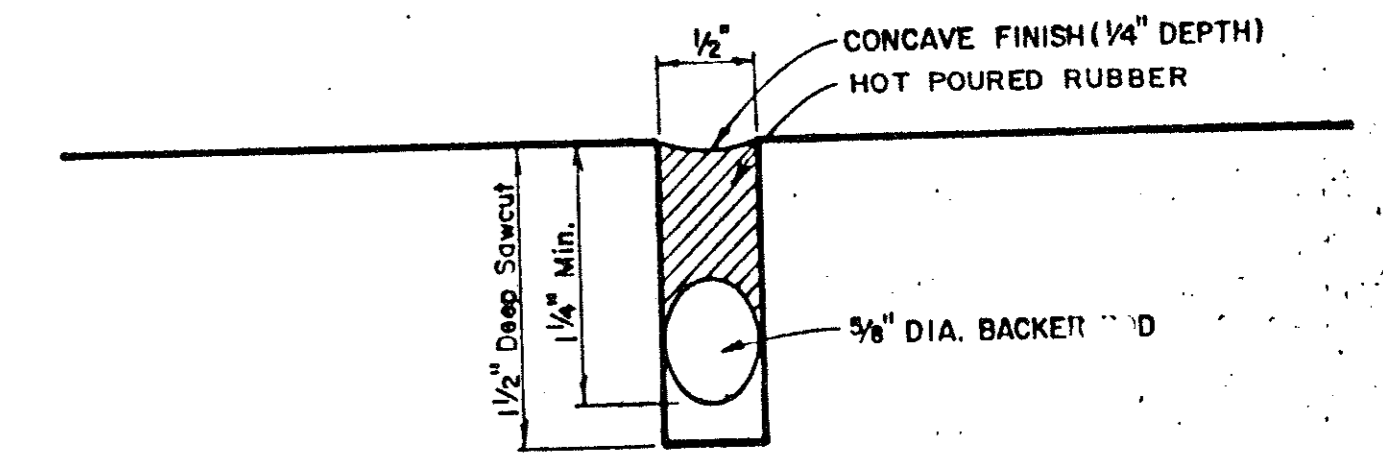


SEPARATE CURB AND GUTTER



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



TYPICAL JOINT DETAIL

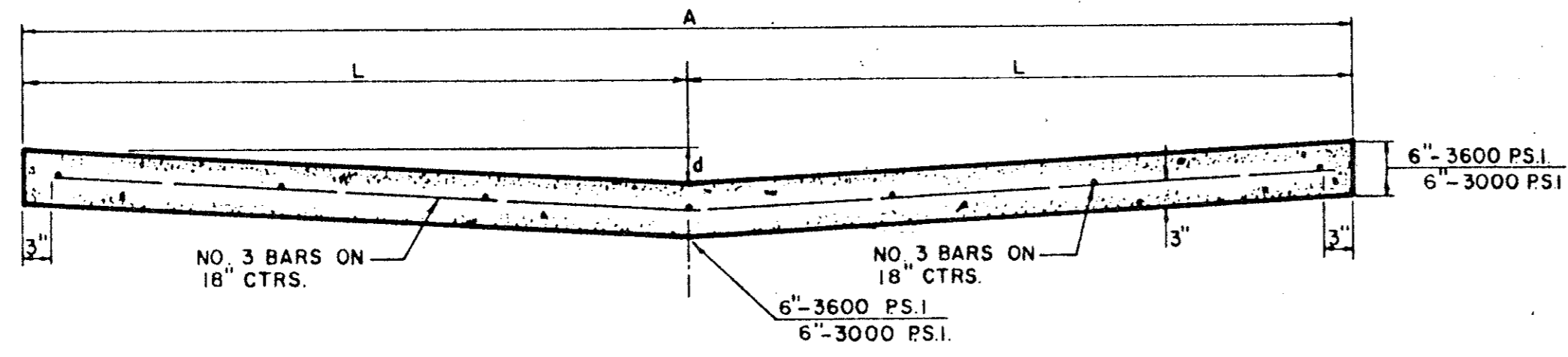
TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

**STANDARD CONSTRUCTION DETAILS
PAVING**

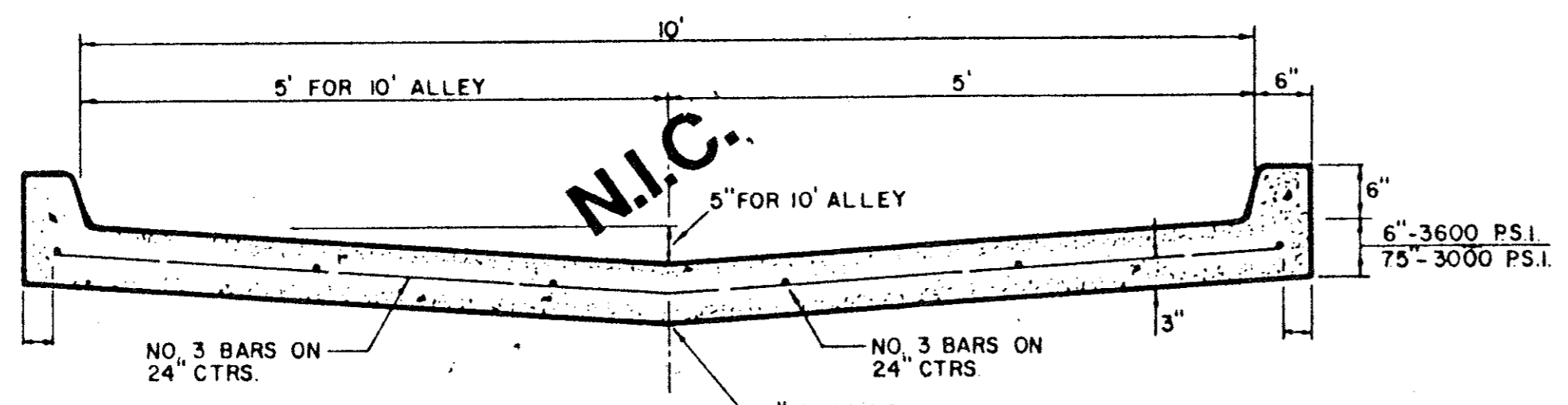
STREET CROWNS & JOINTS

Designed -	Drawn -	Date - AUGUST, 1991	Job No. -
Approved -	Checked -	Scale -	Sheet D-1 OF

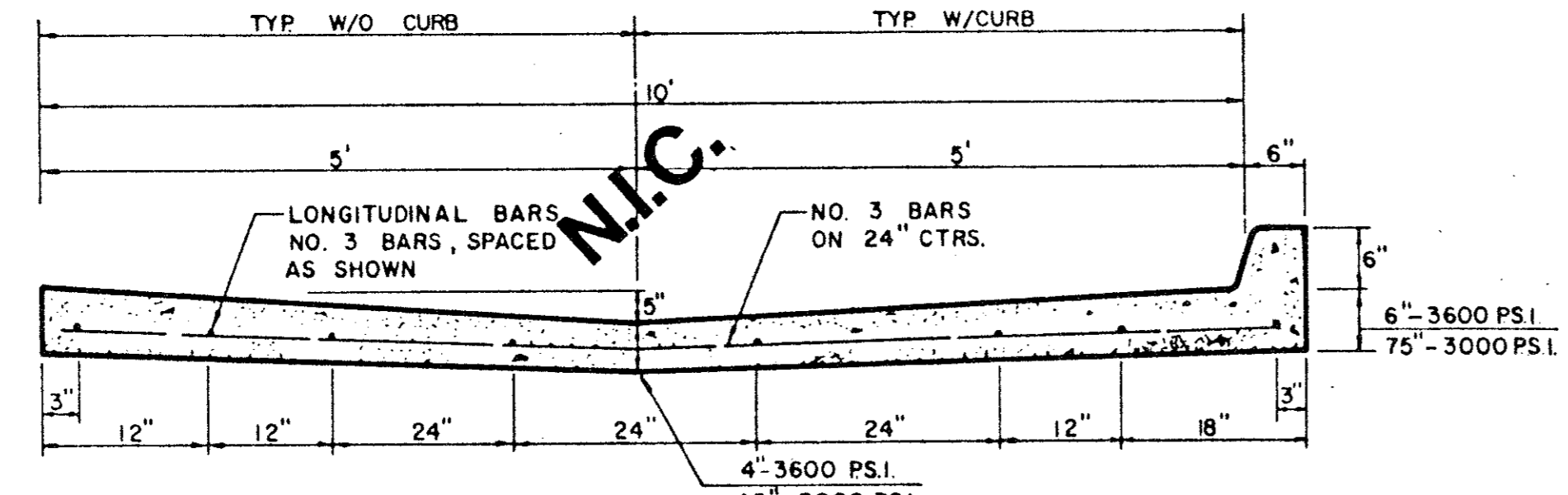
ALLEY WIDTH (A)	HALF SECTION WIDTH (L)	INVERT DEPTH (d)
10'	5'	4"
12'	6'	6"
16'	8'	6"
20'	10'	6"



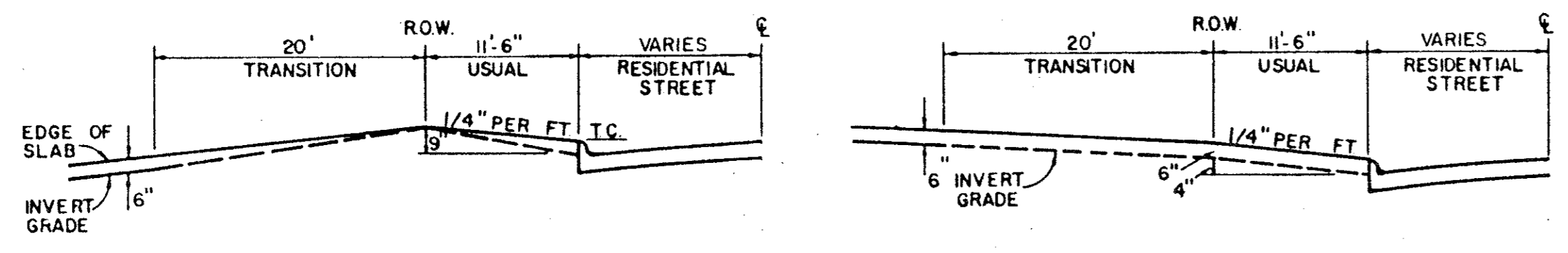
STANDARD 10', 12', 16', & 20' ALLEY SECTION



STANDARD ALLEY SECTION WITH CURBS



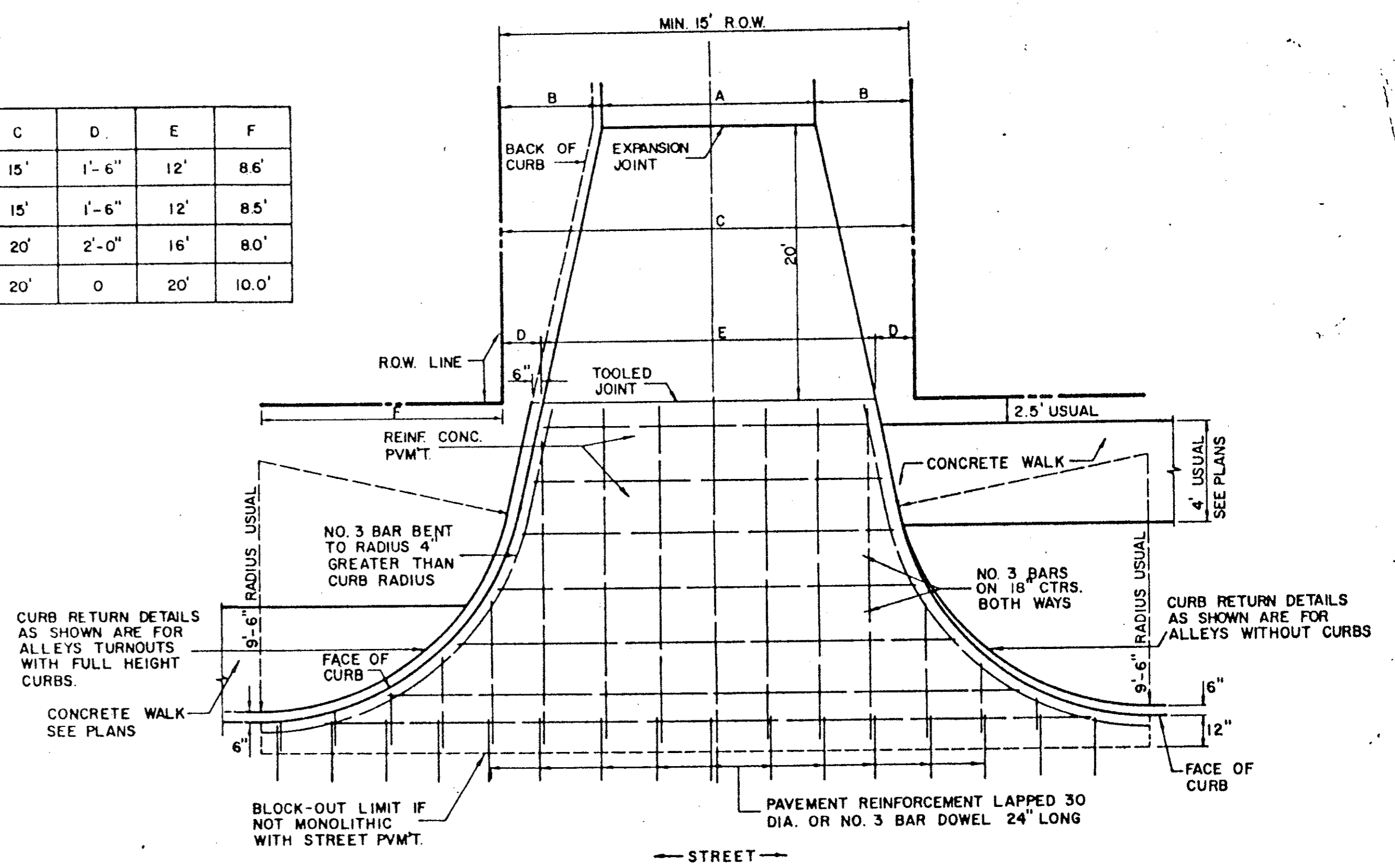
ALTERNATE 10' ALLEY SECTION / CURB



TYPE I ALLEY ENTRANCE

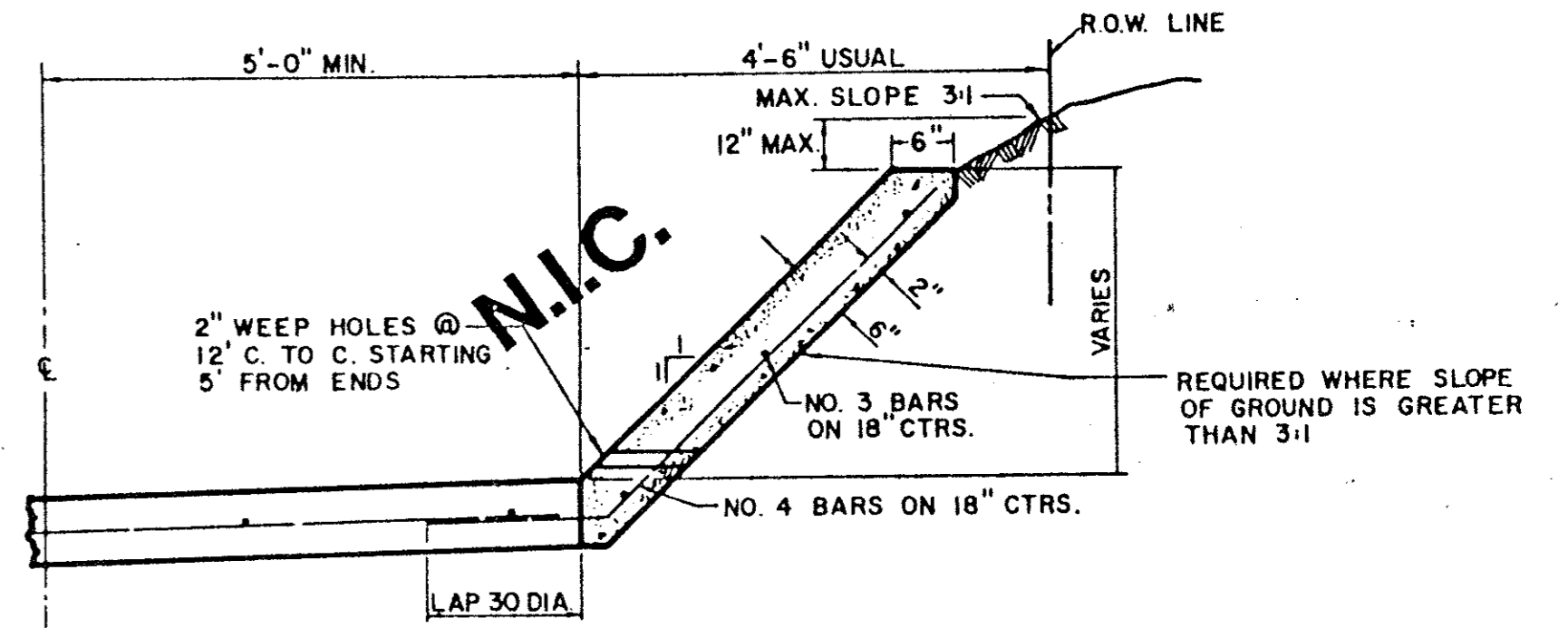
TYPE II ALLEY ENTRANCE

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'

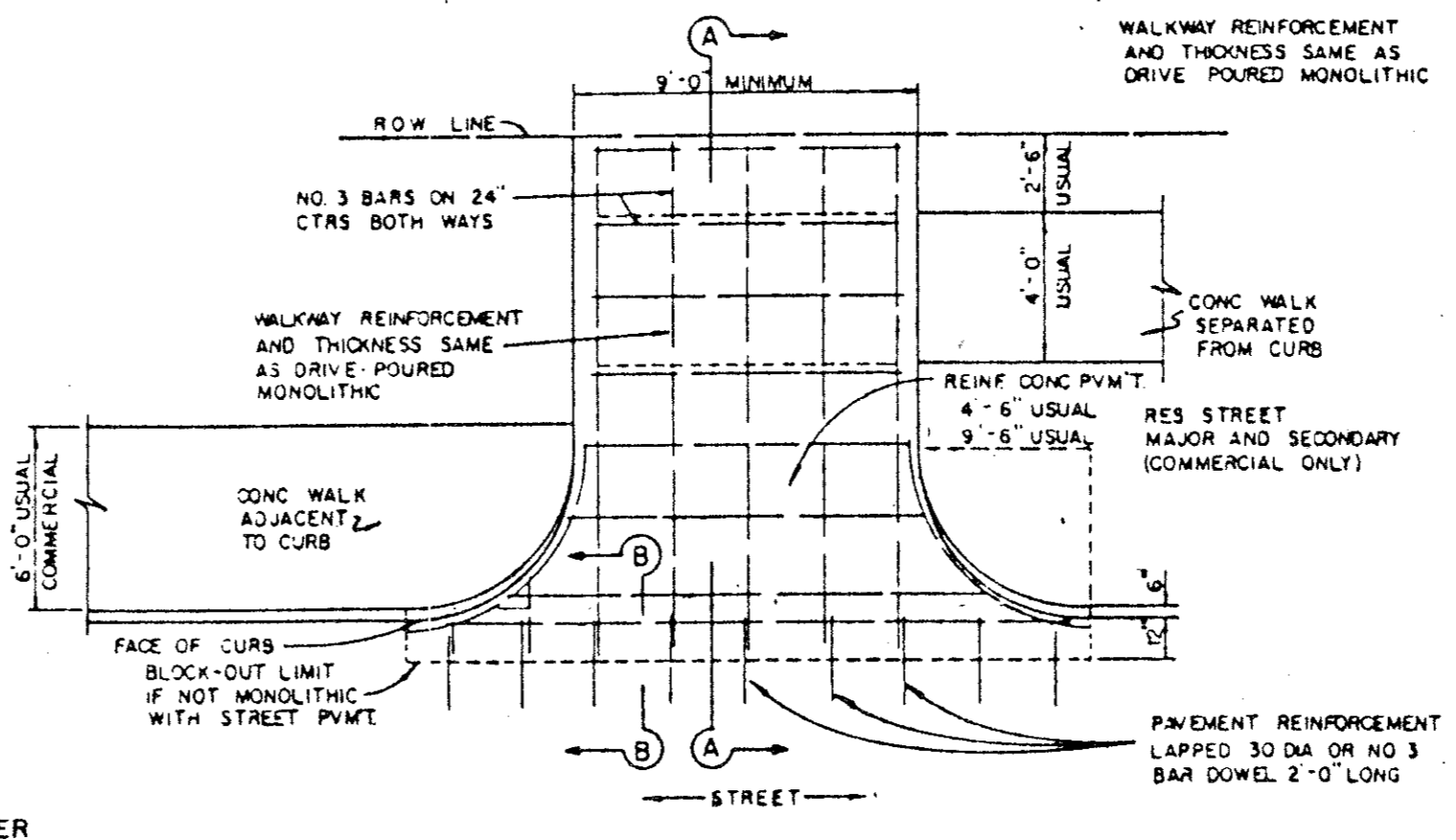


ALLEY RETURN DETAILS

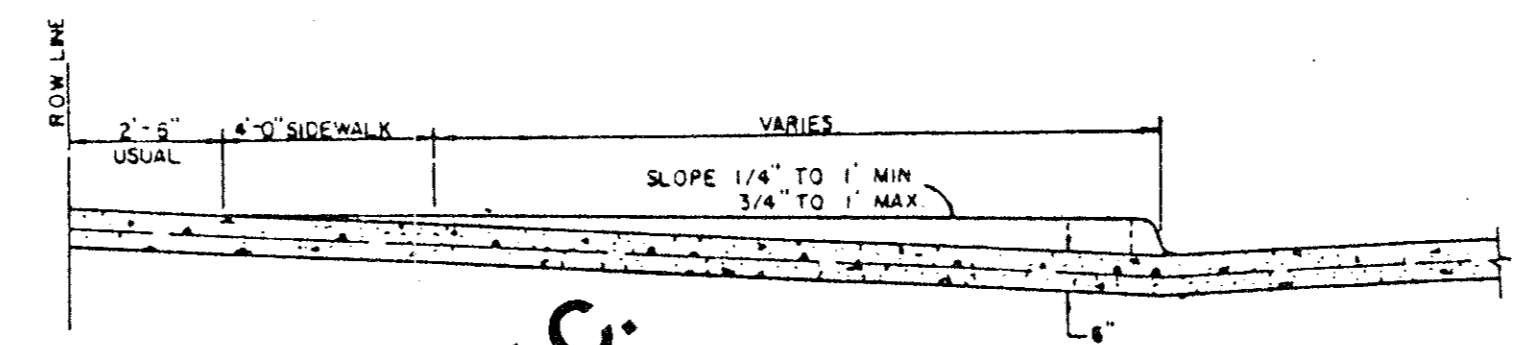
FOR DETAILS ONLY-SEE PLAN FOR DIMENSIONS



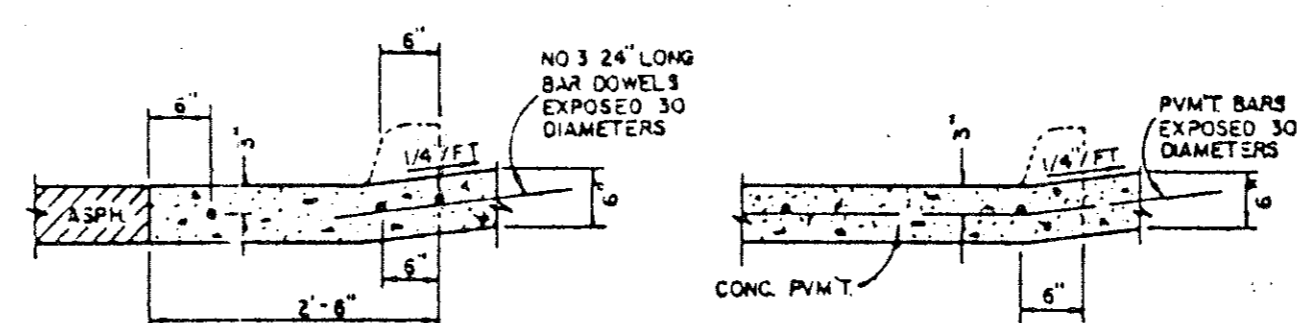
ALLEY SLOPE PROTECTION



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 PSI. OR 3600 PSI. MINIMUM COMPRESSIVE)
3. SPACING AND CONSTRUCTION OF JOINTS SHALL CONFORM TO STREET PAVEMENT DETAILS.

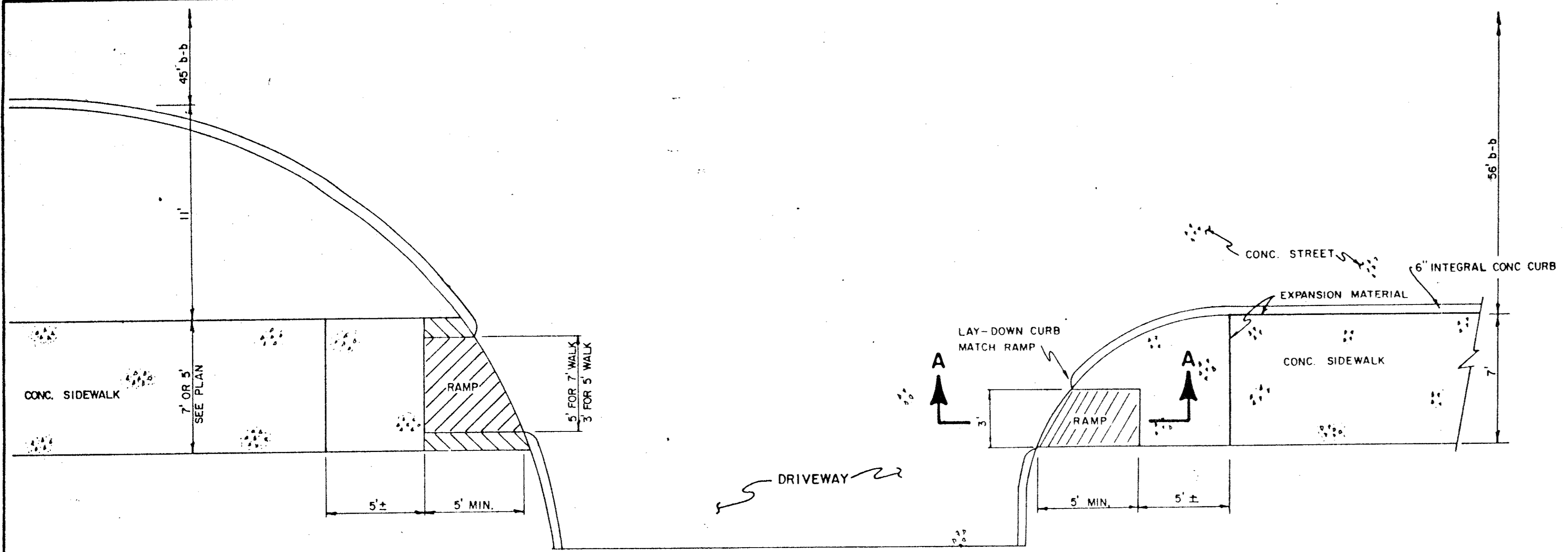
TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

STANDARD CONSTRUCTION DETAILS
PAVING

ALLEY & DRIVEWAY RETURNS

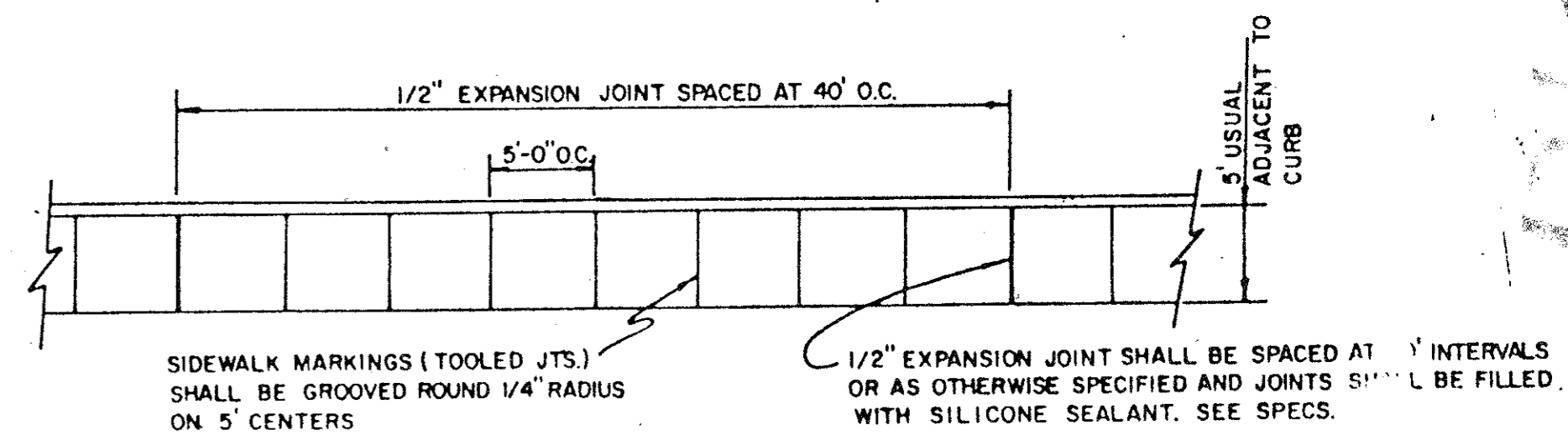
Designed - _____ Date - AUGUST, 1991
Approved - _____ Checked - _____ Scale - _____ Job No. - _____
Sheet 11-2 OF _____



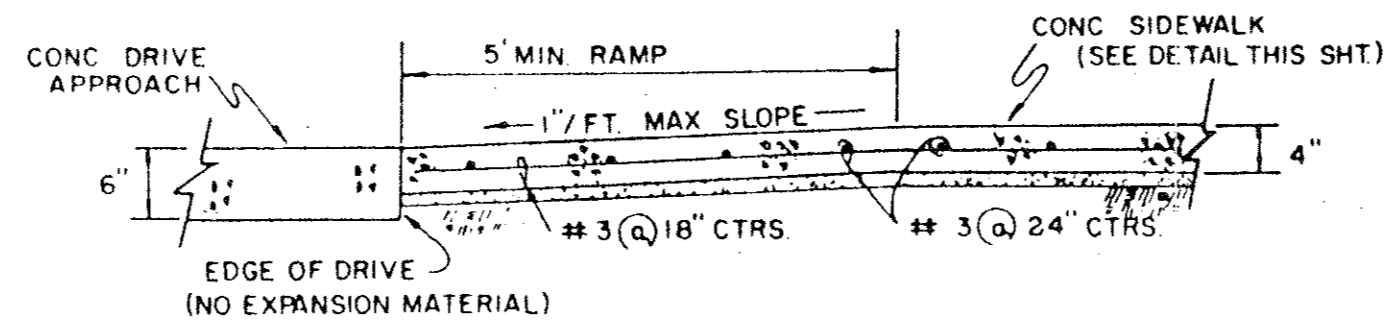


PLAN

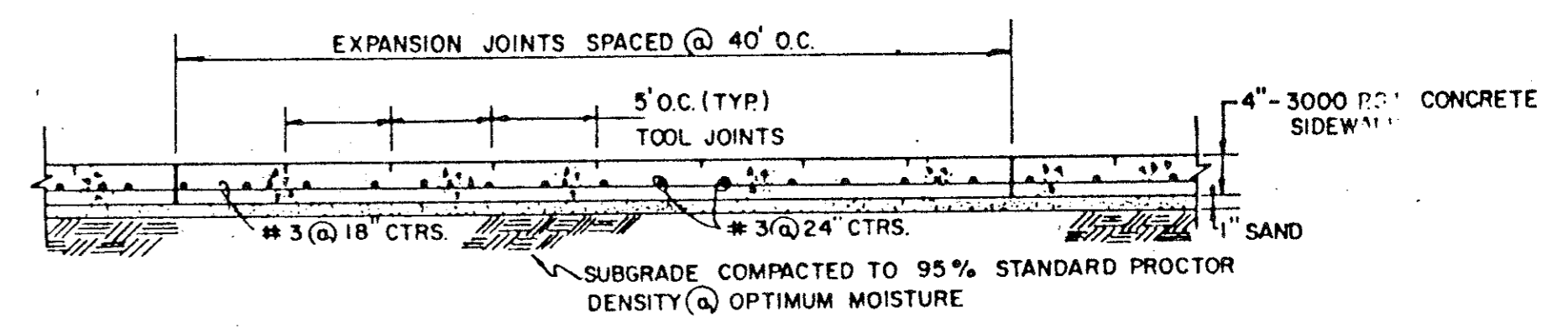
NOTE:
MODIFY RAMP TO
FIT DIFFERENT RADIUS



PLAN

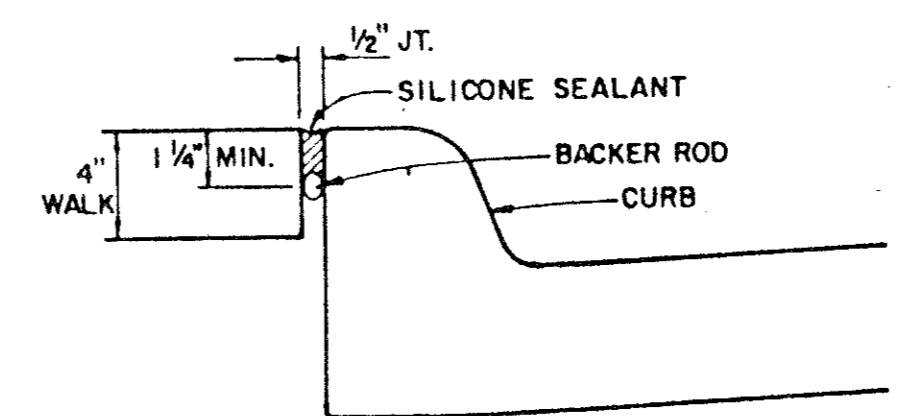


SECTION A-A

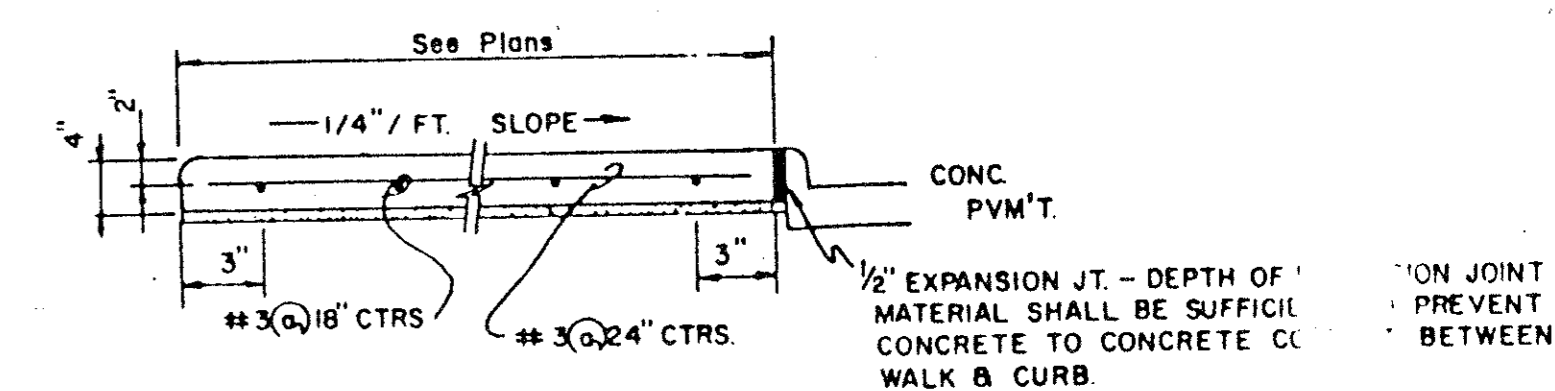


SIDE ELEVATION

**BARRIER-FREE RAMP DETAIL
WITH WALK ADJACENT TO CURB**

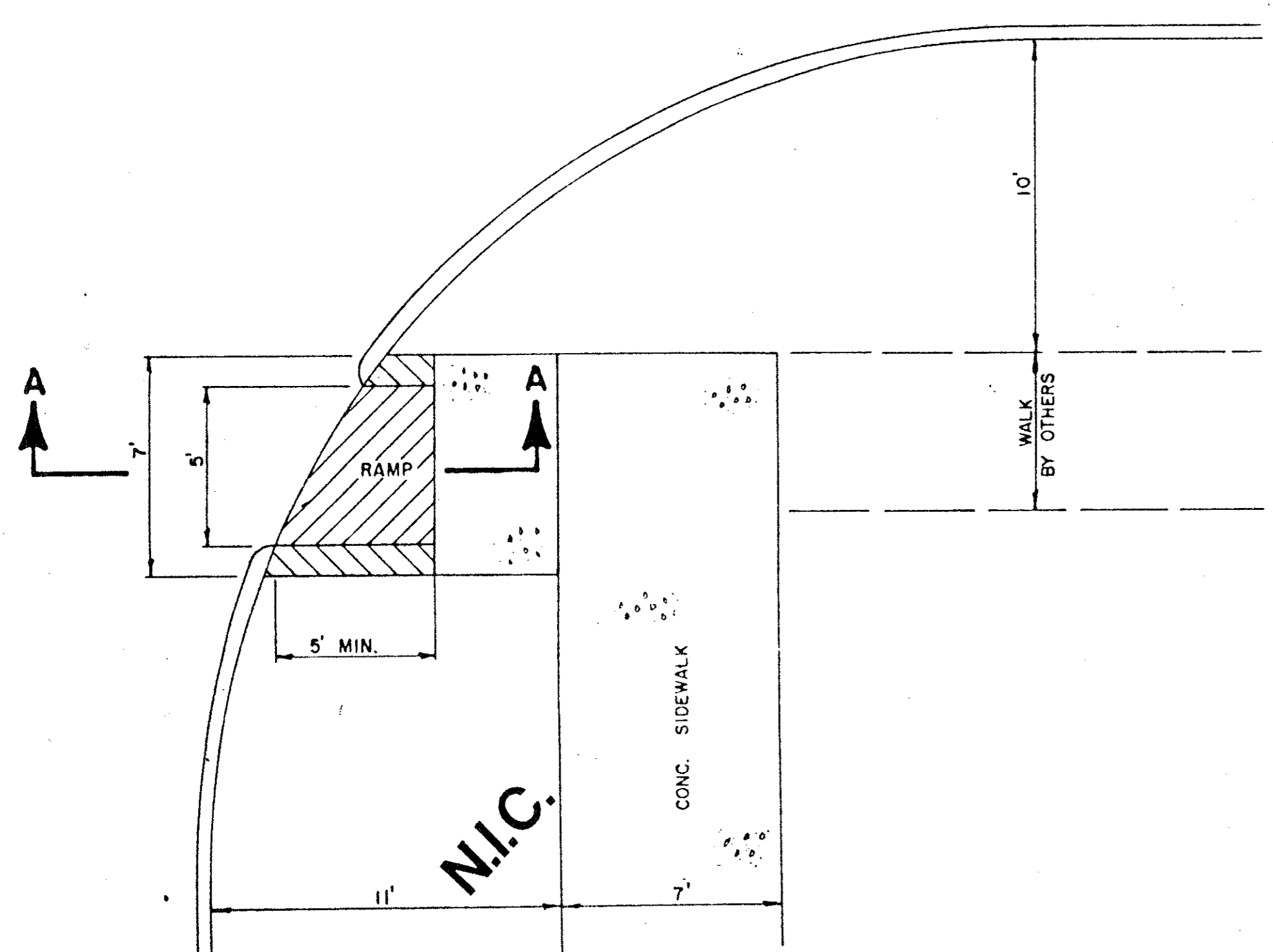


EXPANSION JOINT DETAIL

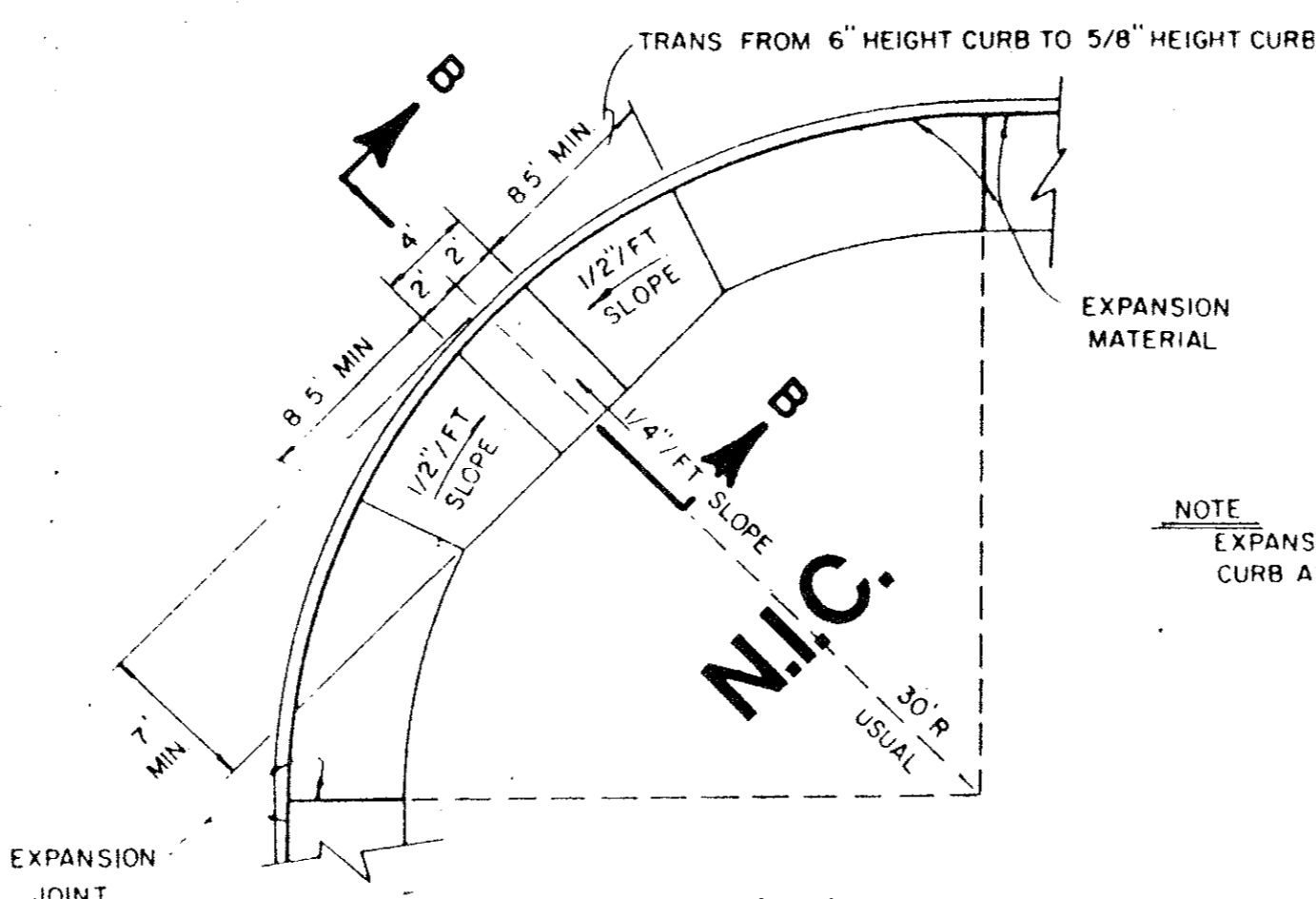


SECTION

CONCRETE SIDEWALK DETAIL

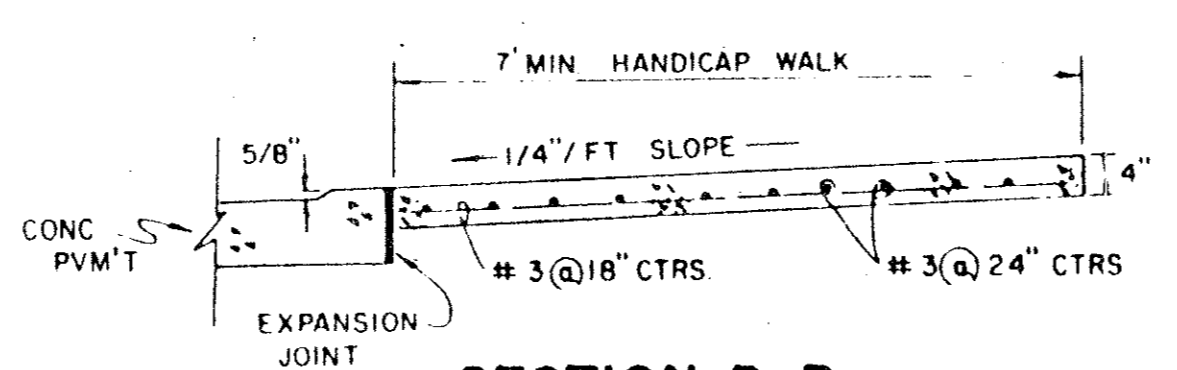


**BARRIER FREE RAMP DETAIL
WITH WALK SEPARATE FROM CURB**



PLAN

NOTE:
EXPANSION MATERIAL ALONG
CURB AND AT CURB RETURNS



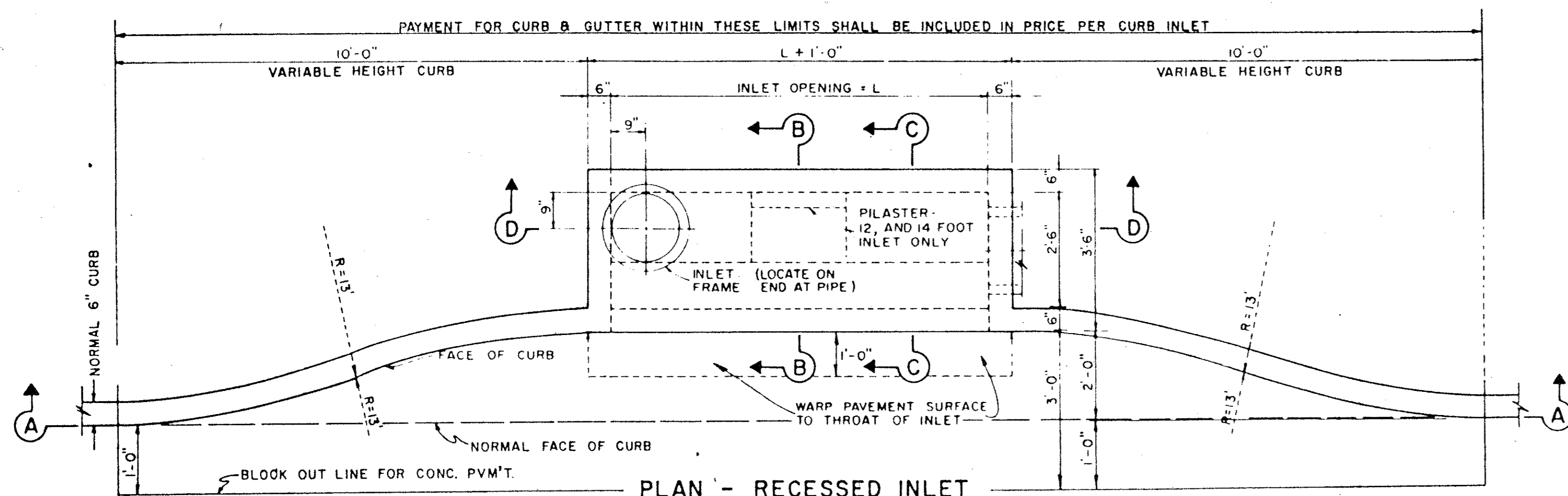
SECTION B-B

HANDICAP ROLL-DOWN CURB DETAIL

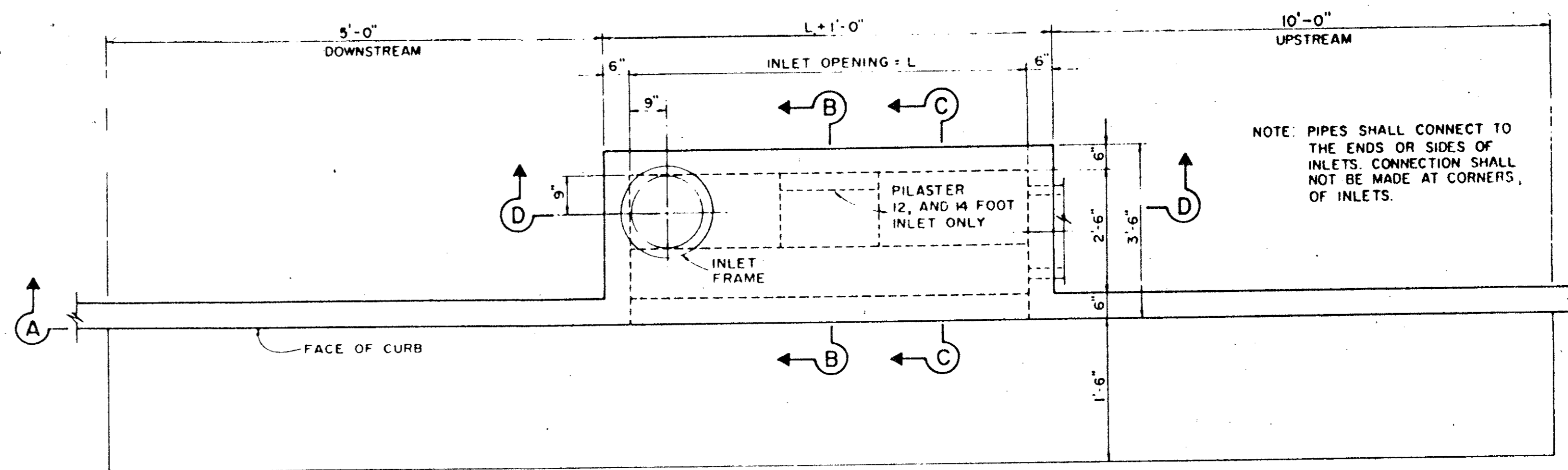
GENERAL NOTES

- Reinforced concrete sidewalk shall be 5 or 7 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) tooled joints, and where works abut old work, or where new work is constructed adjacent to other concrete, a one-half 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 with silicone sealant. See Specs.
- 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.

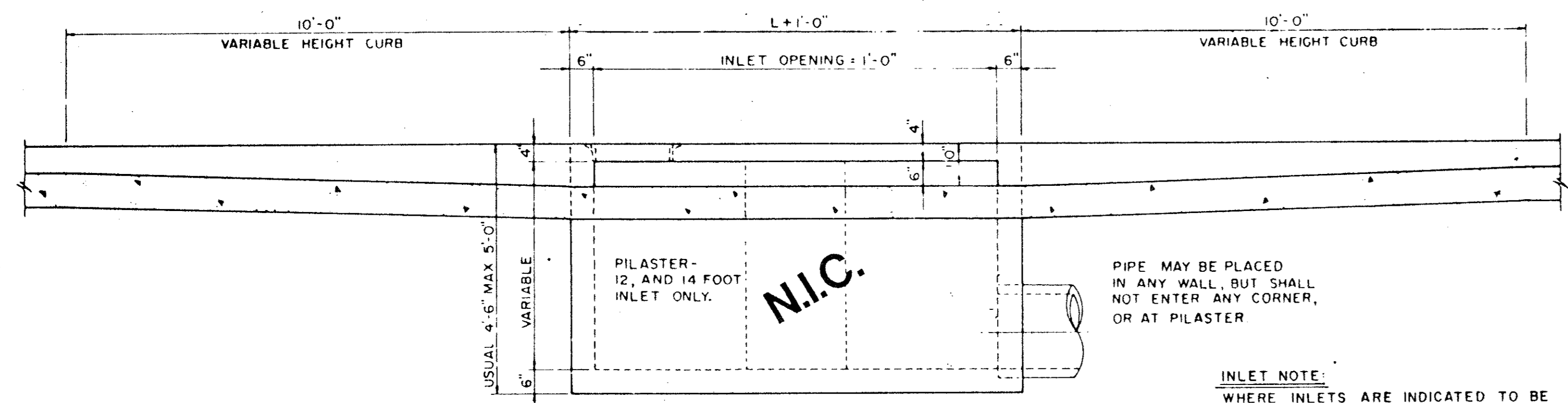
NO	REVISION	BY	DATE
TOWN OF ADDISON, TEXAS DEPARTMENT OF ENGINEERING STANDARD CONSTRUCTION DETAILS PAVING SIDEWALKS & RAMPS.			
APPROVED _____			
DATE AUGUST, 1991		SHEET D-3	



PLAN - RECESSED INLET

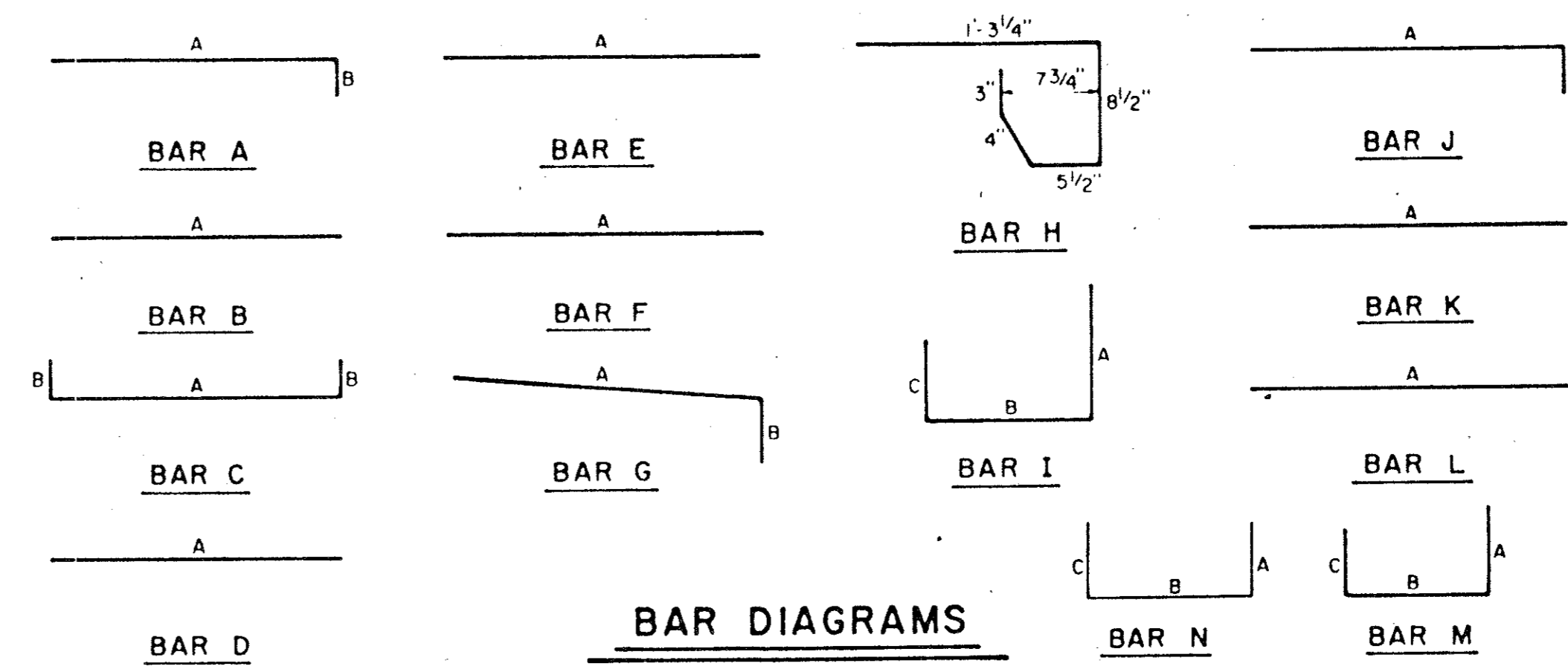


PLAN - STANDARD INLET



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.



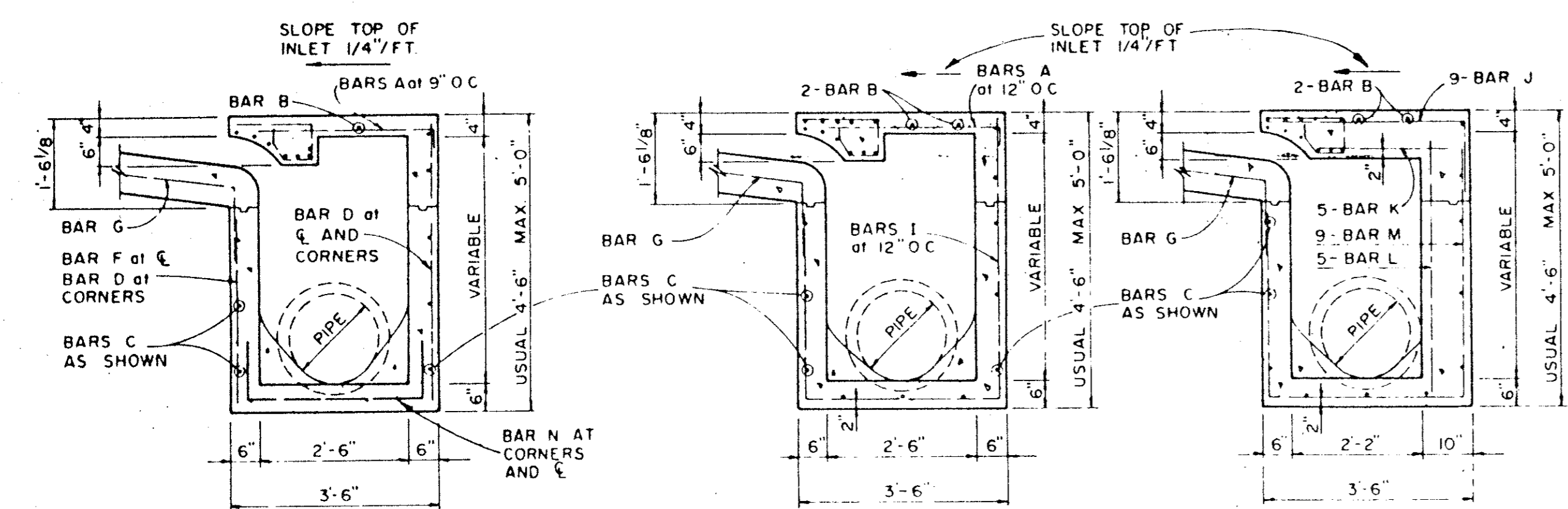
BAR DIAGRAMS

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"	
	A	3	9	3'-2"	0'-3"	-	
6	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"	
	A	3	12	3'-2"	0'-3"	-	
	B	3	1	6'-10"	-	-	
8	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"	
	A	3	10	3'-2"	0'-3"	-	
	B	3	2	8'-10"	-	-	
	C	4	16	10'-8"	0'-6"	-	
10	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"	-	
14	K	4	5	2'-3"	-	-	
	L	4	5	4'-3"	-	-	
	M	5	9	4'-3"	3'-2"	3'-9"	
	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"	-	
16	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"	

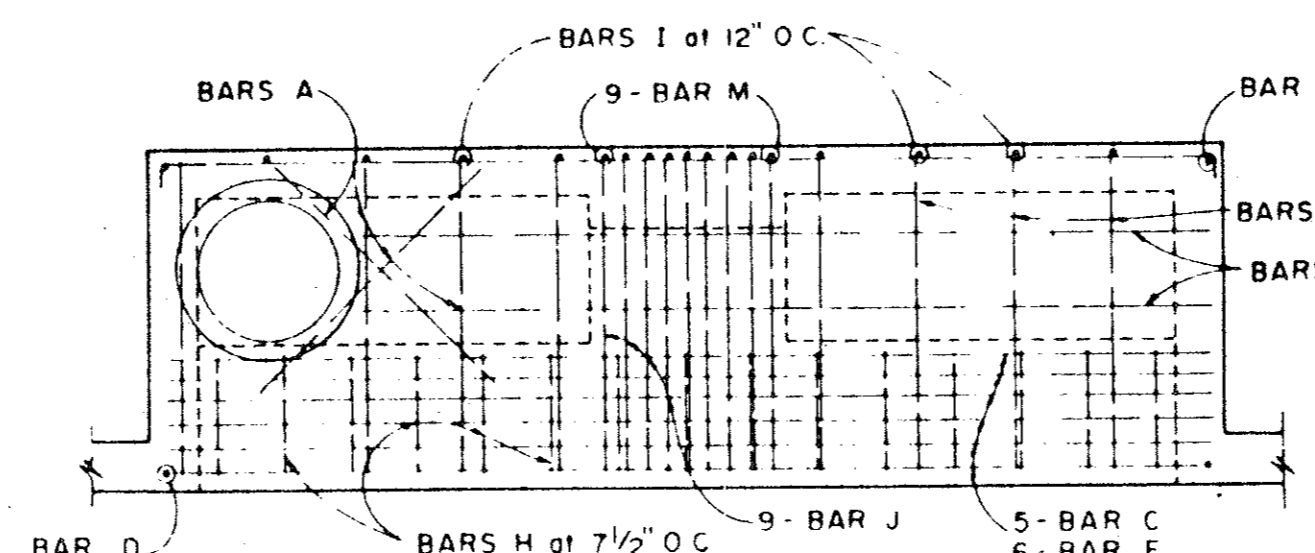
* SEE DIAGRAM FOR DIMENSIONS



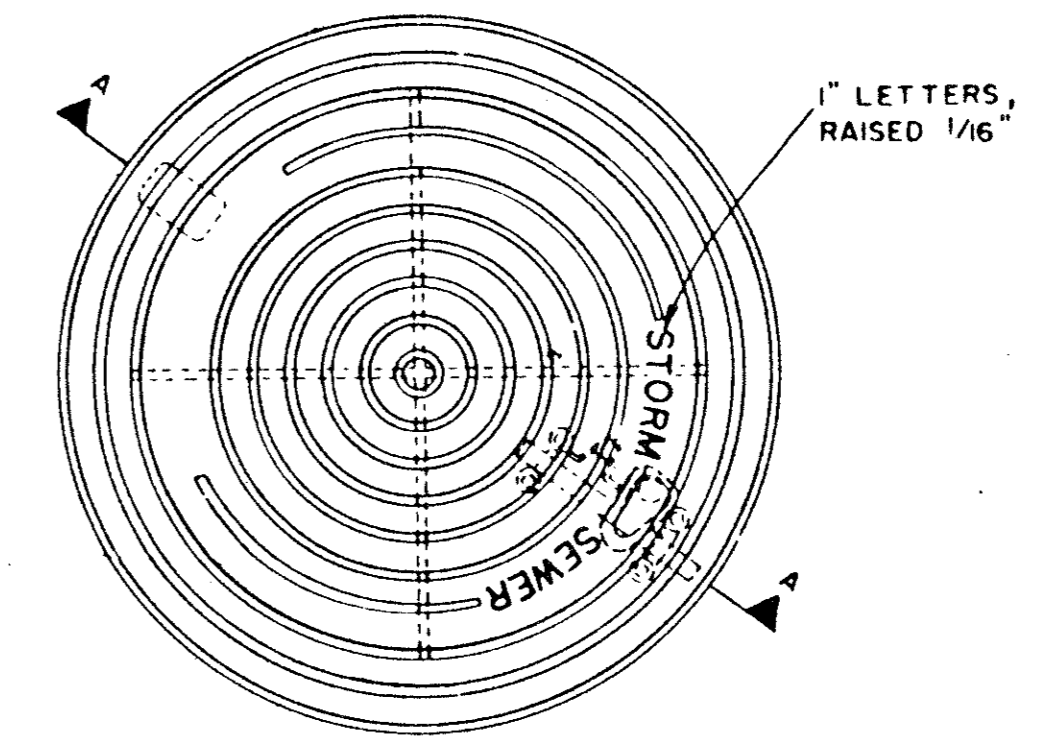
SECTION B-B

SECTION C-C

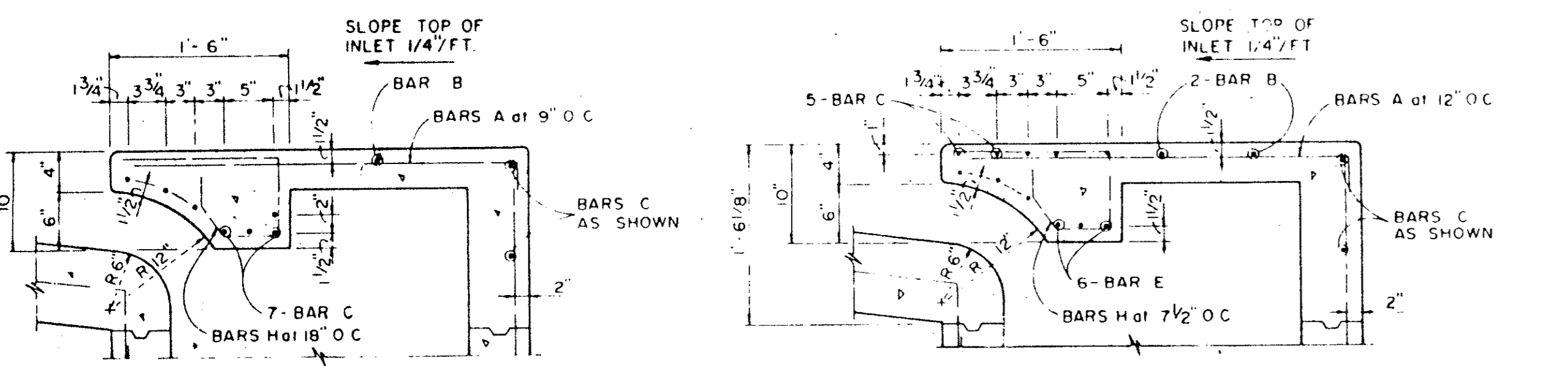
SECTION B-B



PLAN

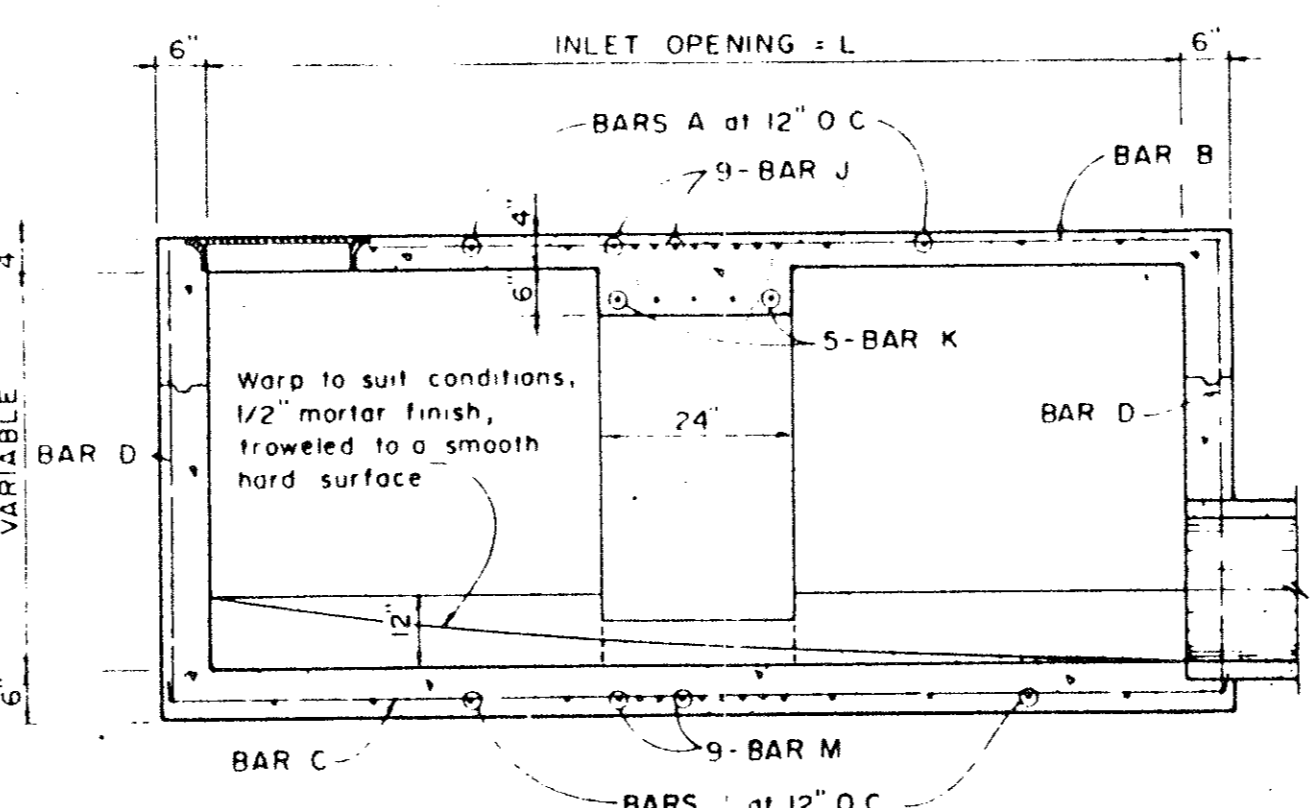


PLAN OF FRAME

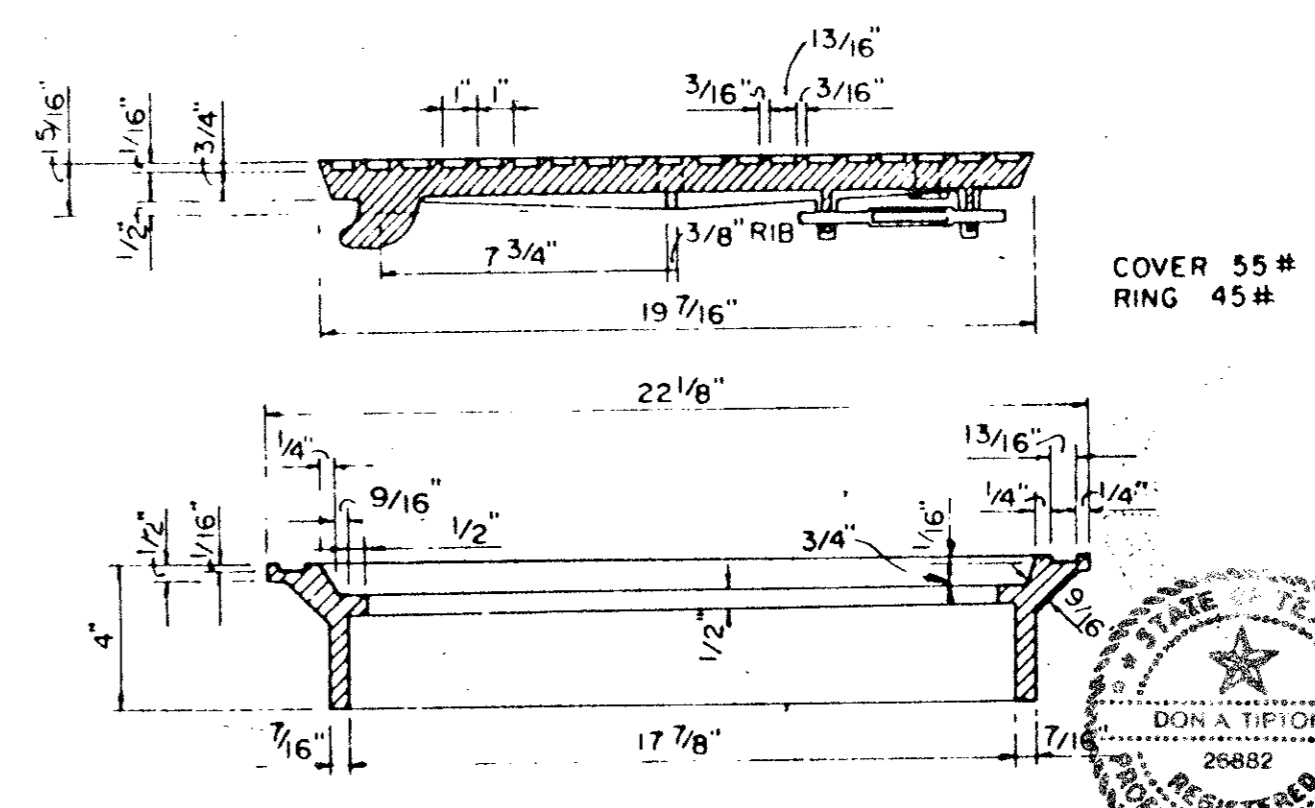


SECTION C-C

SECTION C-C



SECTION D-D FOR 12' & 14' ONLY

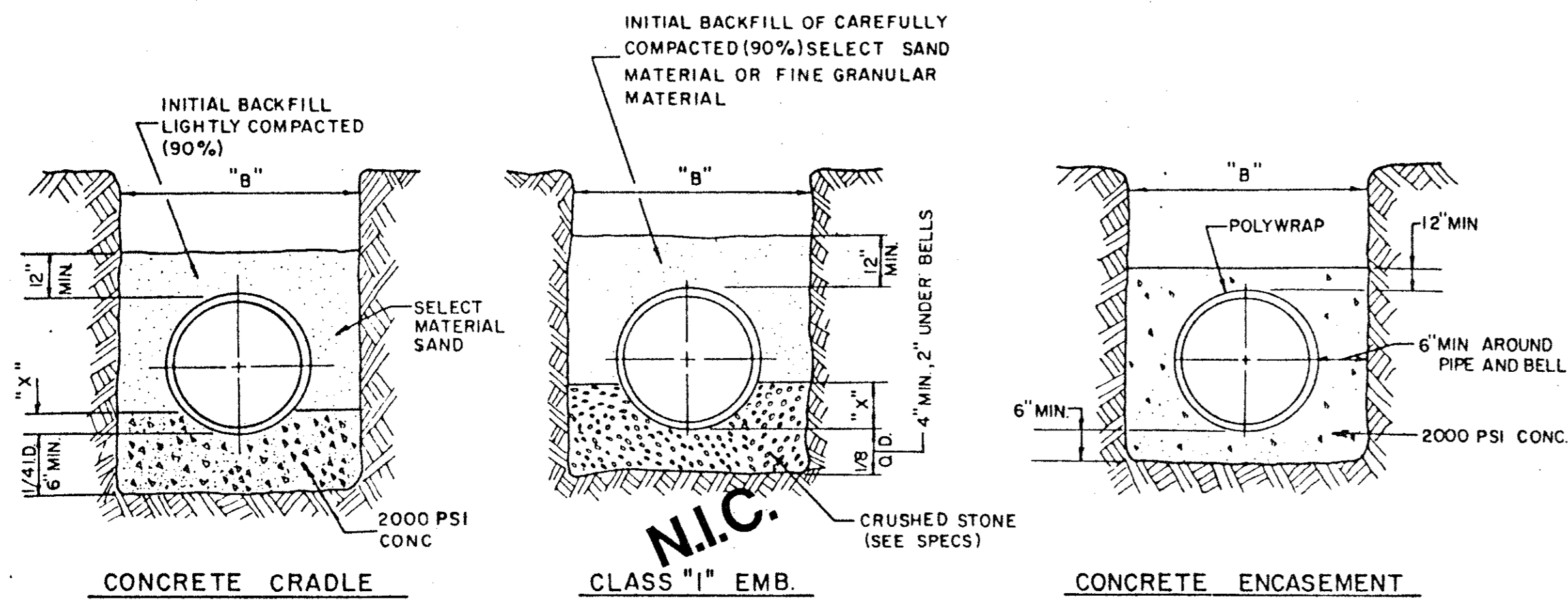


SECTION OF FRAME AND COVER

INLET FRAME AND COVER

TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING
STANDARD CONSTRUCTION DETAIL
STORM DRAINAGE
CURB INLETS

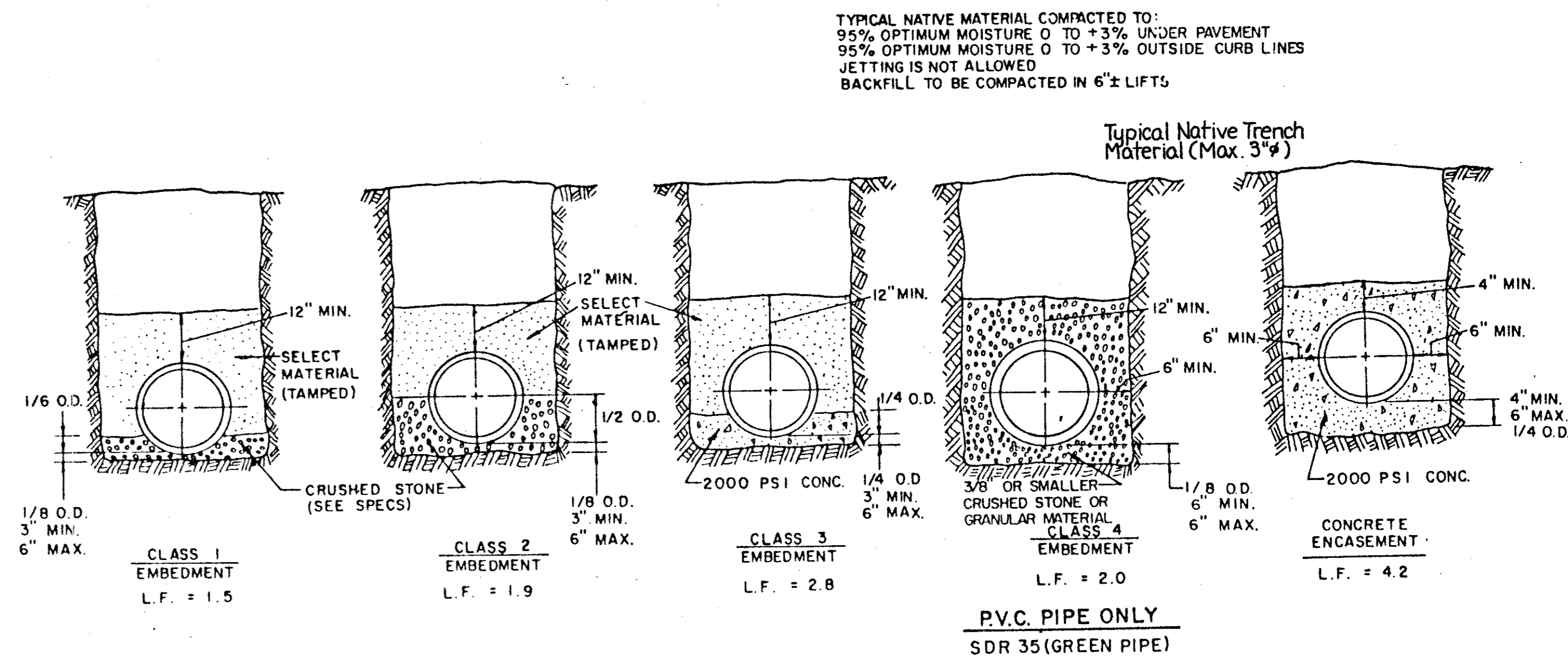
Designed - _____ Date - JULY, 1991
Approved - _____ Checked - _____ Scale - _____ Job No. - _____
Sheet D-4 OF _____



EMBEDMENT DETAILS FOR RCCP WATERLINE

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

INSIDE DIAMETER OF PIPE	APPROX. OUTSIDE DIAMETER OF PIPE	IS A MINIMUM DEPTH	TRENCH WIDTH FOR COMPUTATION OF QUANTITIES	CONCRETE		CRUSHED STONE FOR CLASS "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

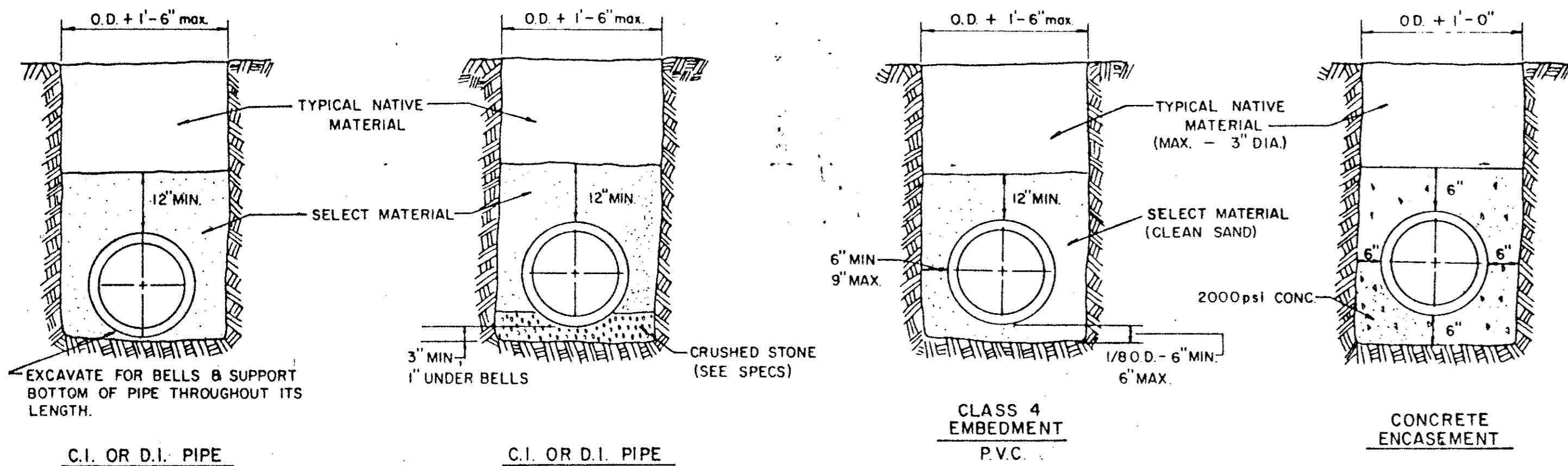
TABLE OF QUANTITIES PER 100 LINEAR FEET REINFORCED CONCRETE PIPE

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

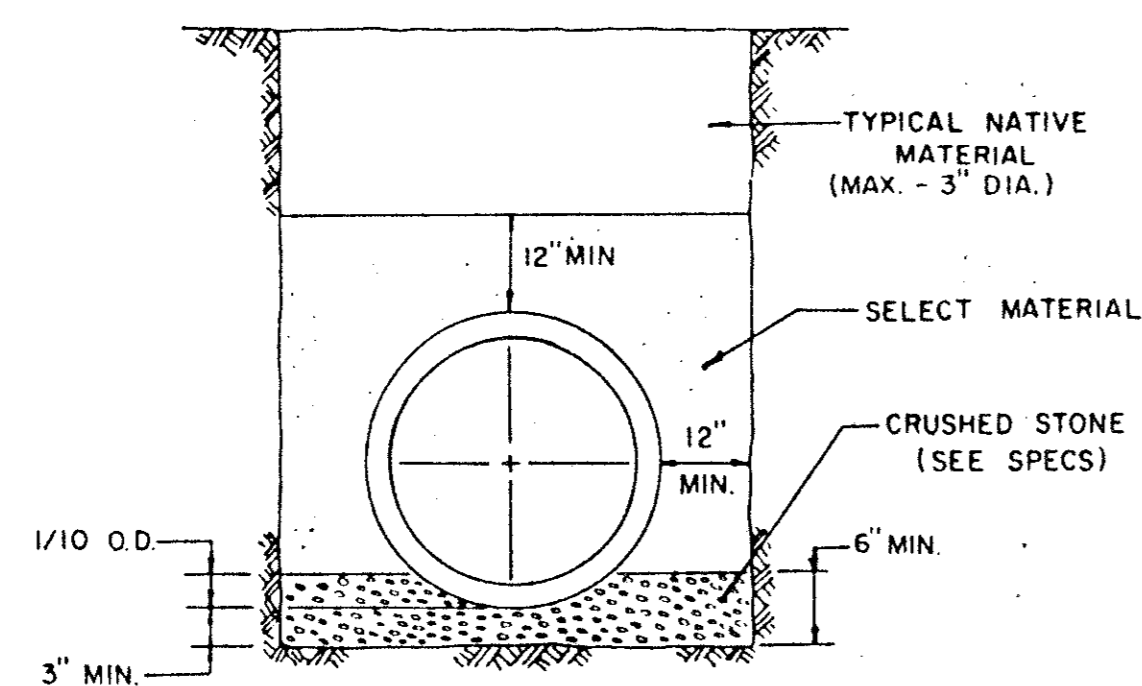
TABLE OF QUANTITIES PER 100 LINEAR FEET-PVC PIPE (IN CUBIC YARDS)

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	2.33	11.7	15.9
16	15.30	31	2.61	14.0	18.8
24		36	3.0		
30		42	3.5		

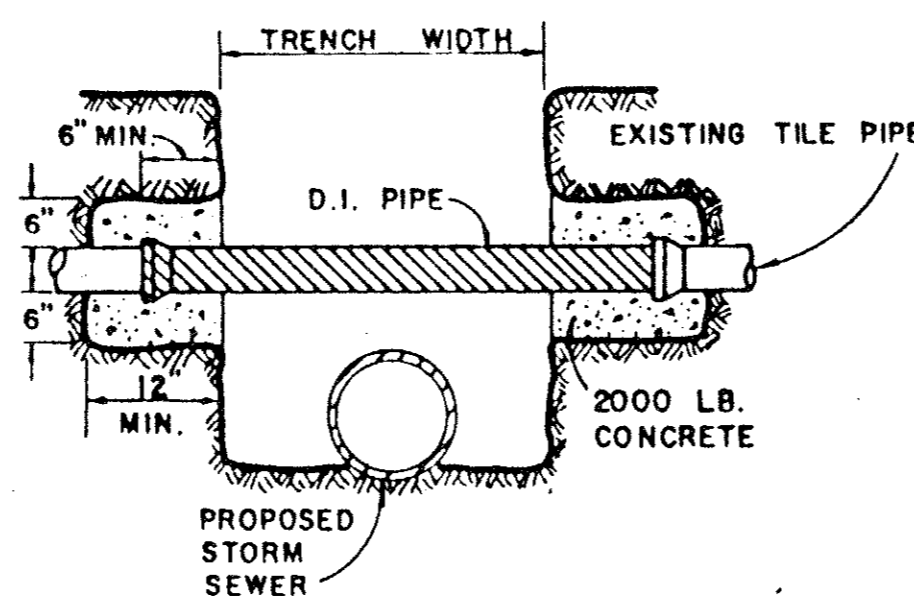
NOTE: ALL SANITARY SEWER LINES THIS PROJECT SHALL HAVE CLASS 4 EMBEDMENT UNLESS OTHERWISE NOTED.



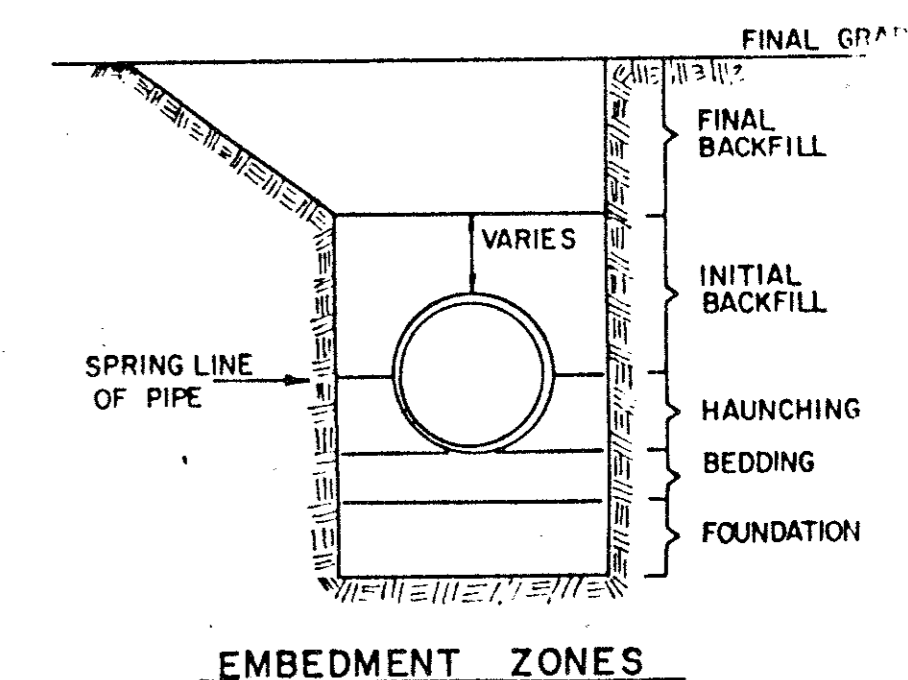
EMBEDMENT DETAILS FOR WATER MAIN



EMBEDMENT DETAIL FOR STORM SEWER



DETAIL OF UTILITY SUPPORT

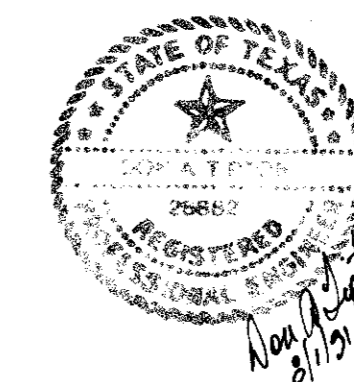


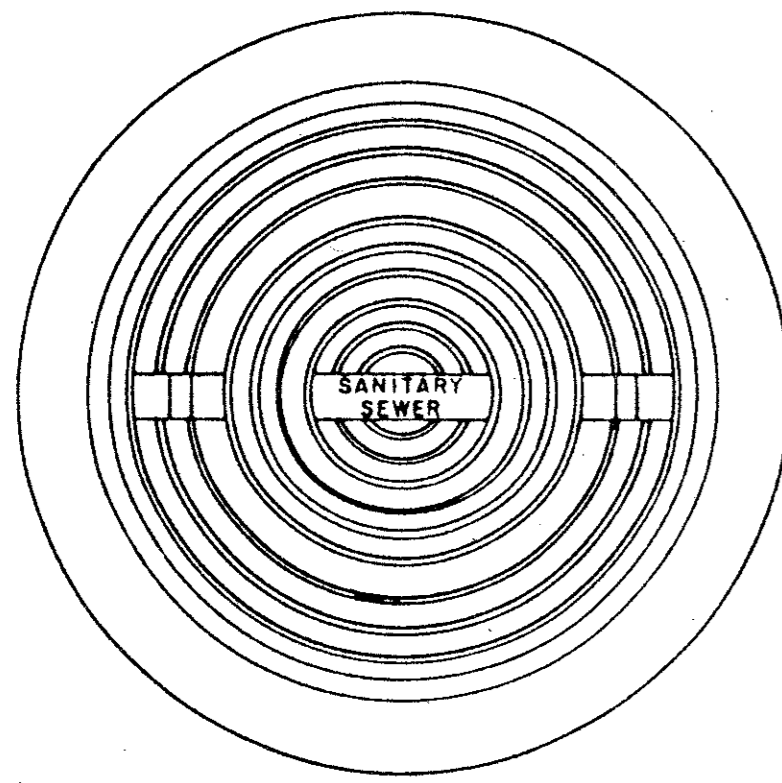
TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

STANDARD CONSTRUCTION DETAILS

EMBEDMENT DETAILS

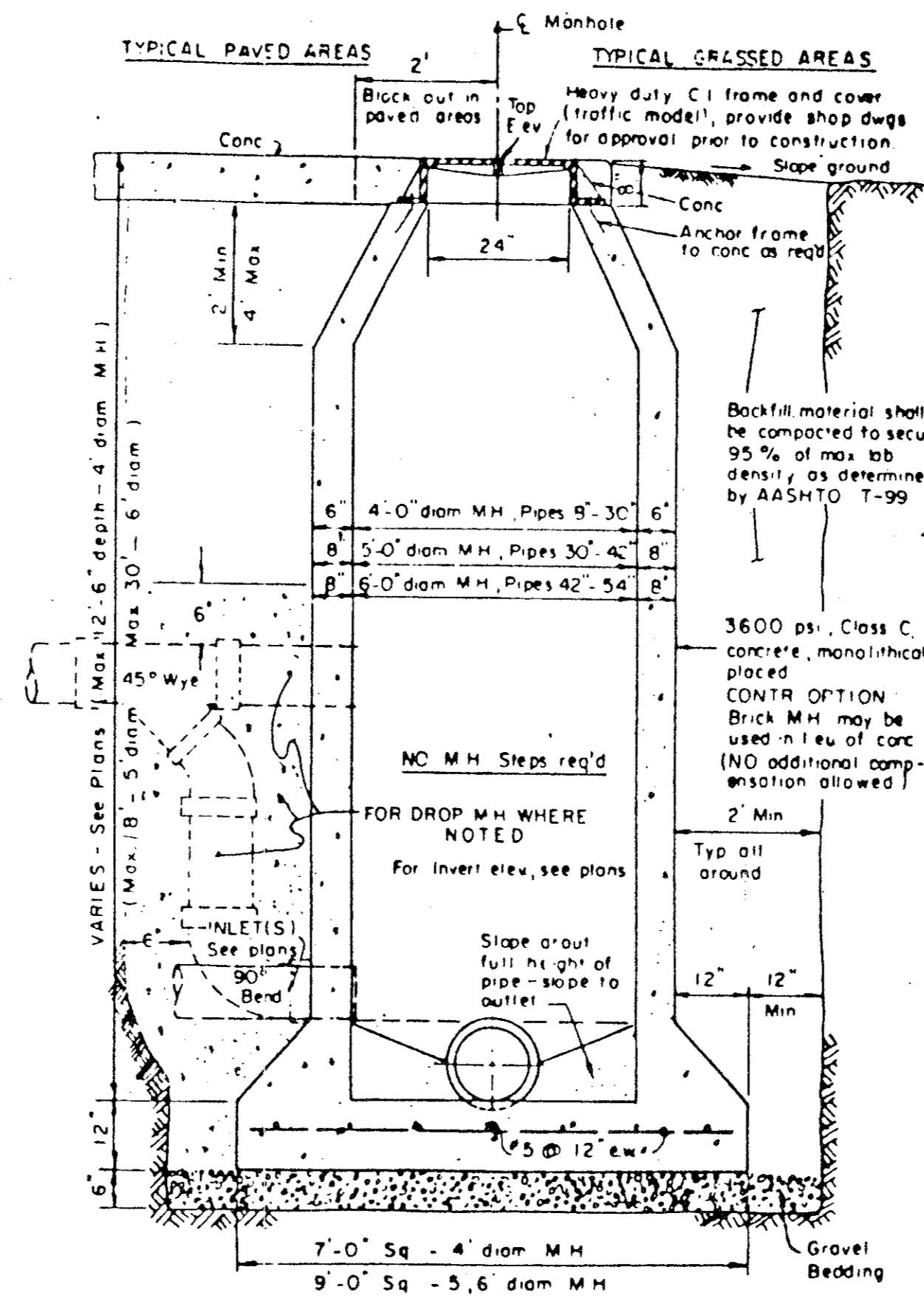
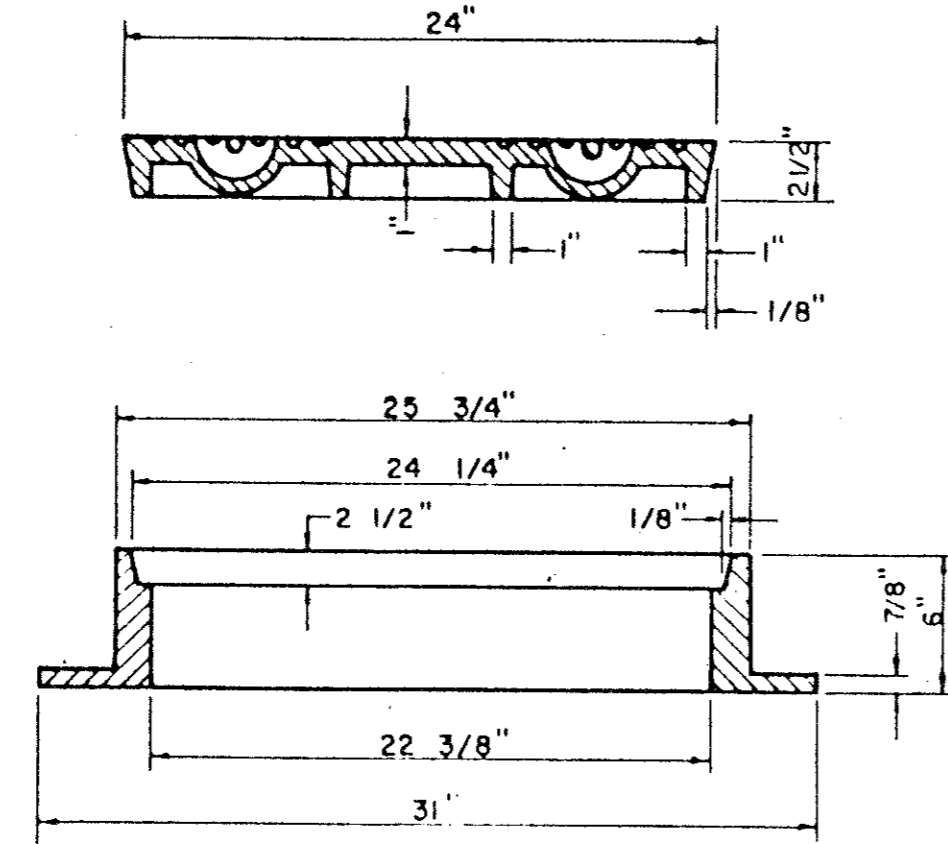
Designed - Drawn - Date - AUGUST, 1991 Job No. -
Approved - Checked - Scale - Sheet D-3 OF





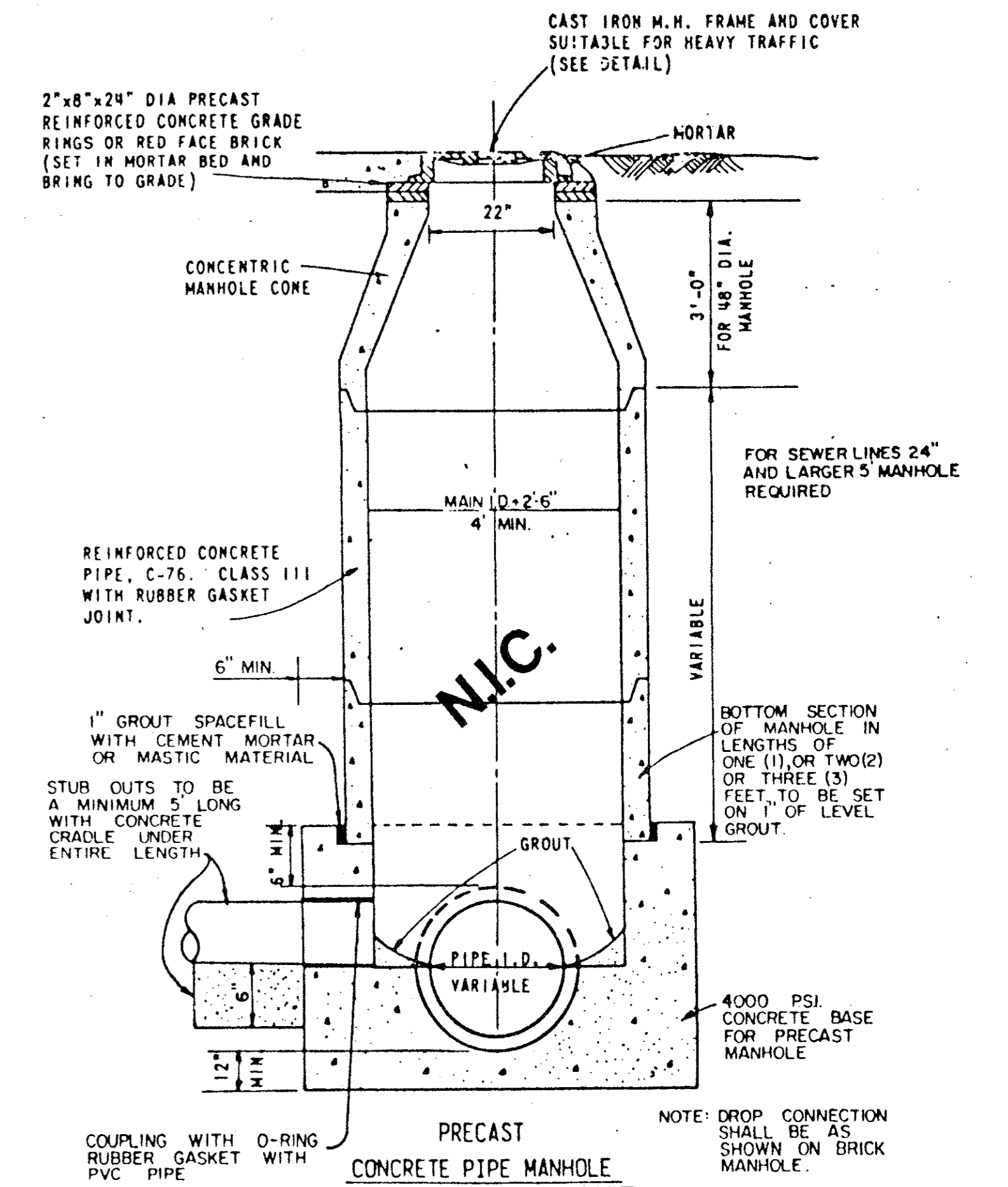
APPROX WEIGHT RING AND COVER 385 LBS.

CAST IRON GRATE AND FRAME DETAIL

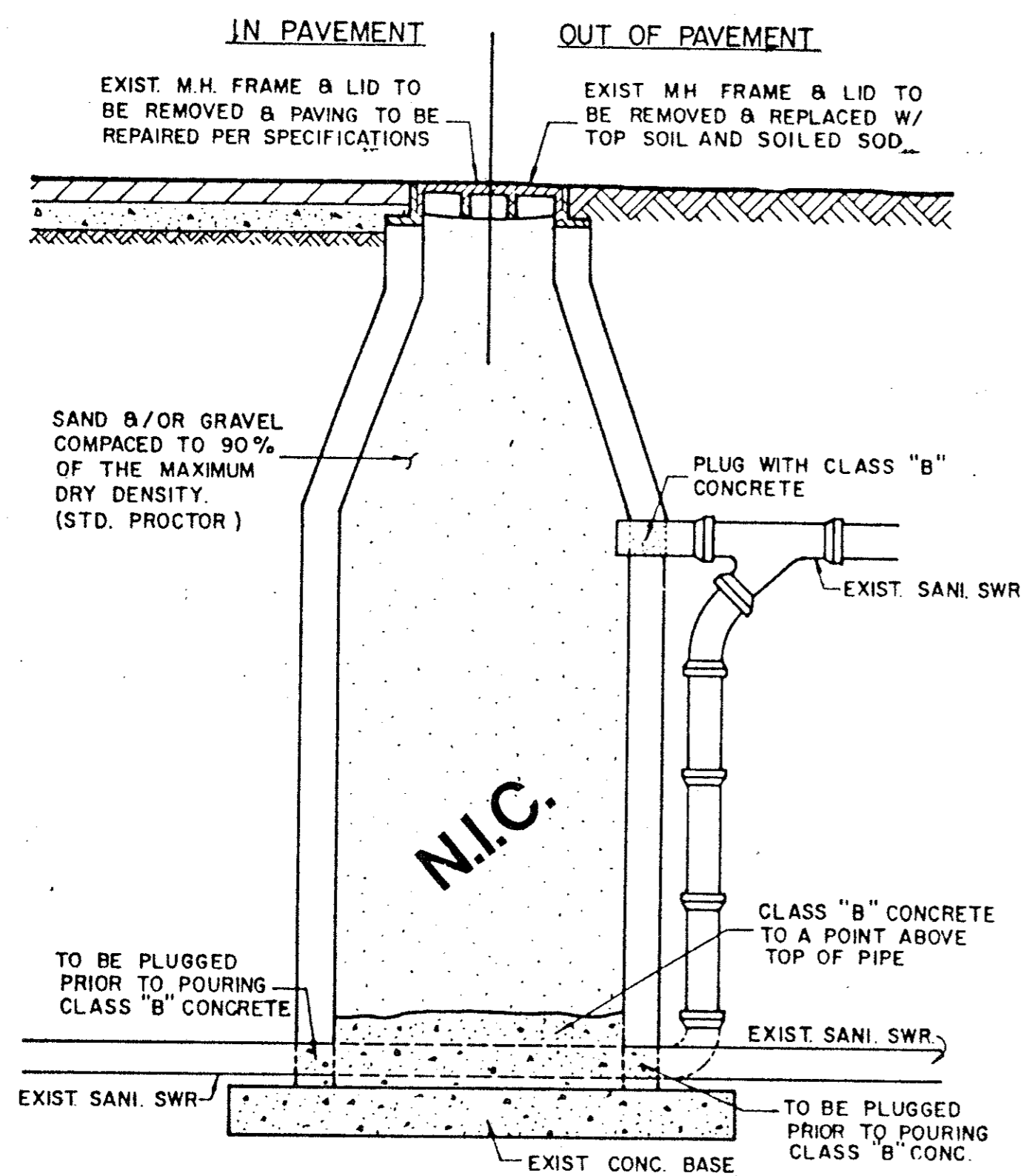


CAST IN PLACE MANHOLE

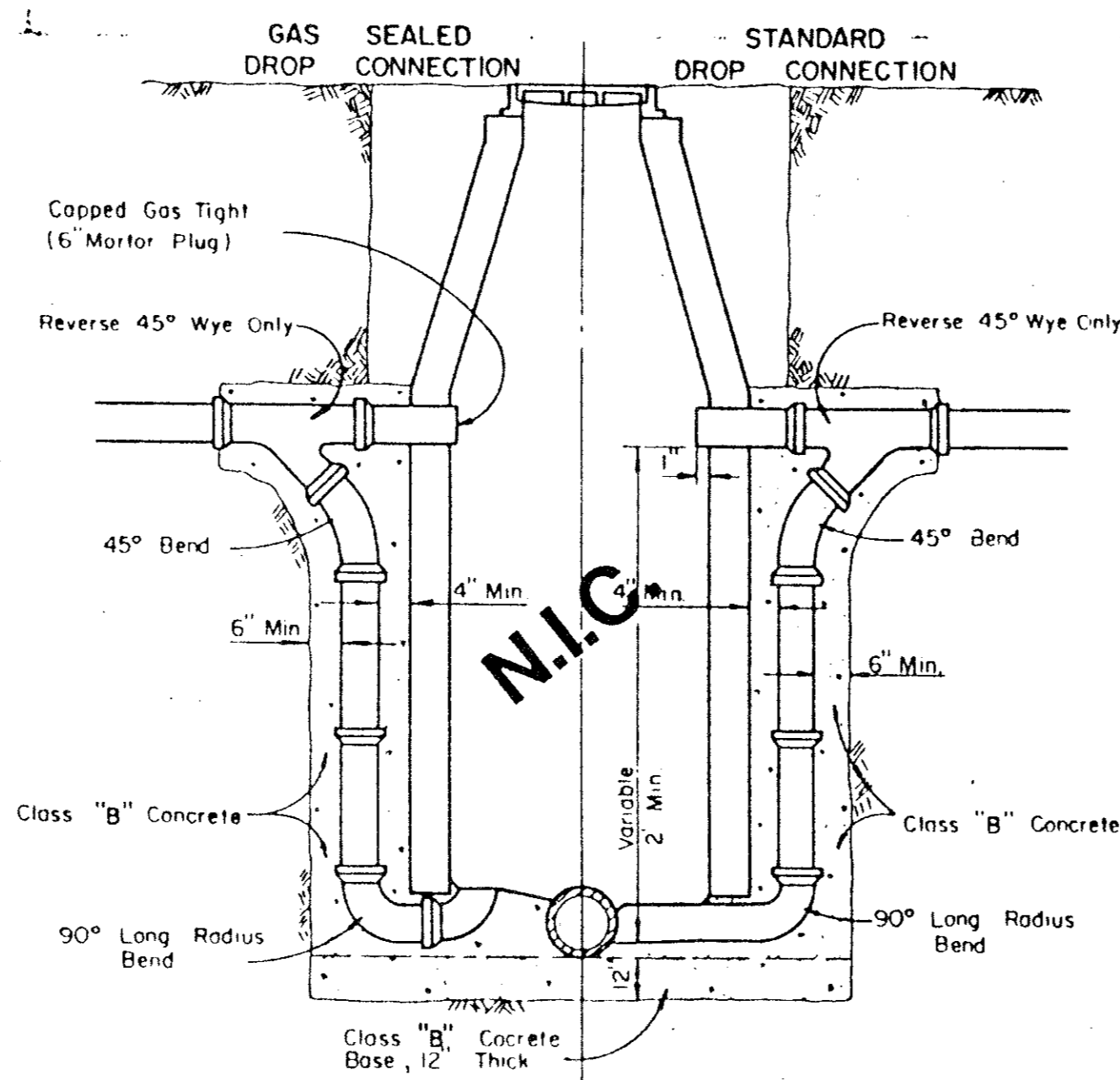
WHERE DROP M.H. IS REQUIRED, USE INSIDE DROP CONNECTION AS PER TOWN OF ADDISON STANDARDS.



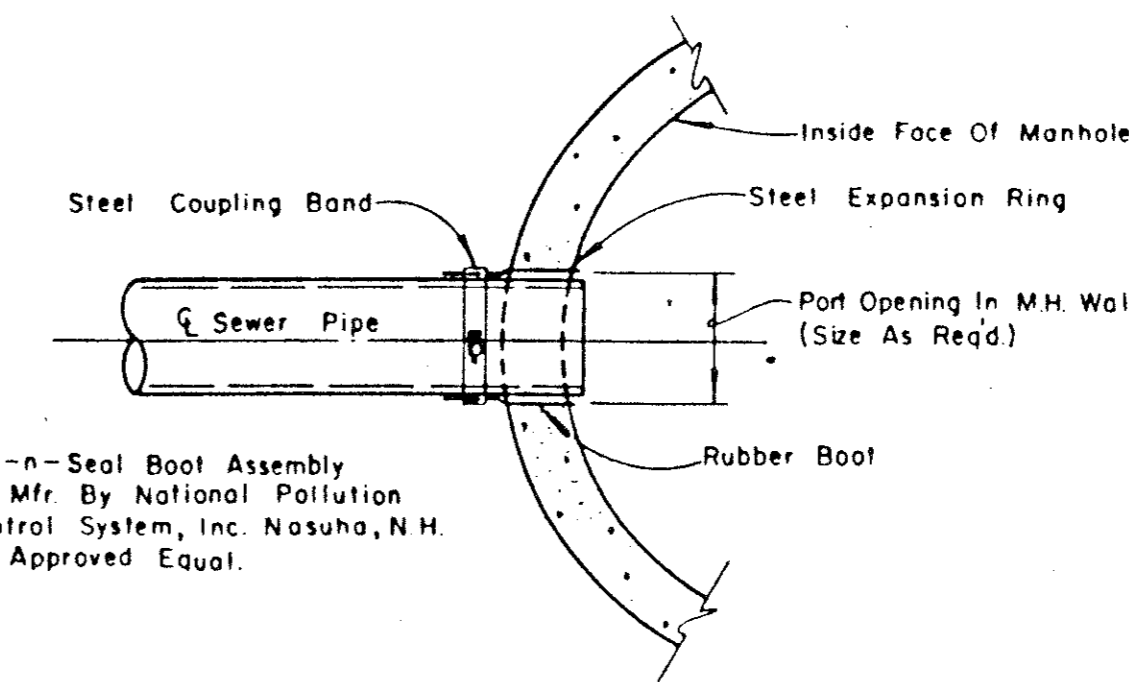
PRECAST MANHOLE



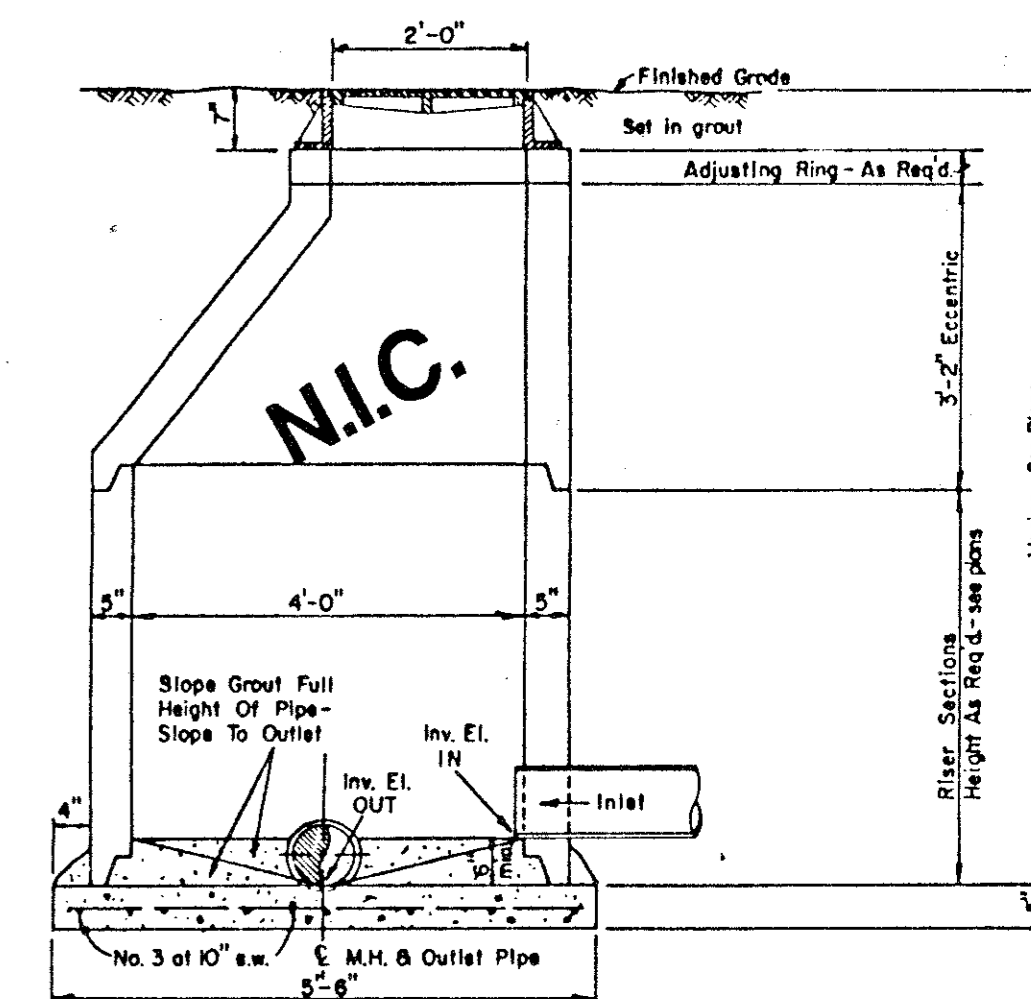
ABANDONMENT OF EXISTING MANHOLE IN AND OUT OF PAVEMENT



DROP CONNECTIONS FOR SANITARY SEWER MANHOLES



TYPICAL SEWER CONNECTION AT MANHOLE

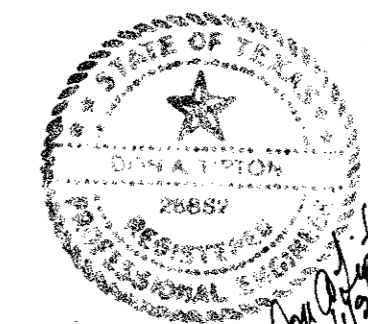


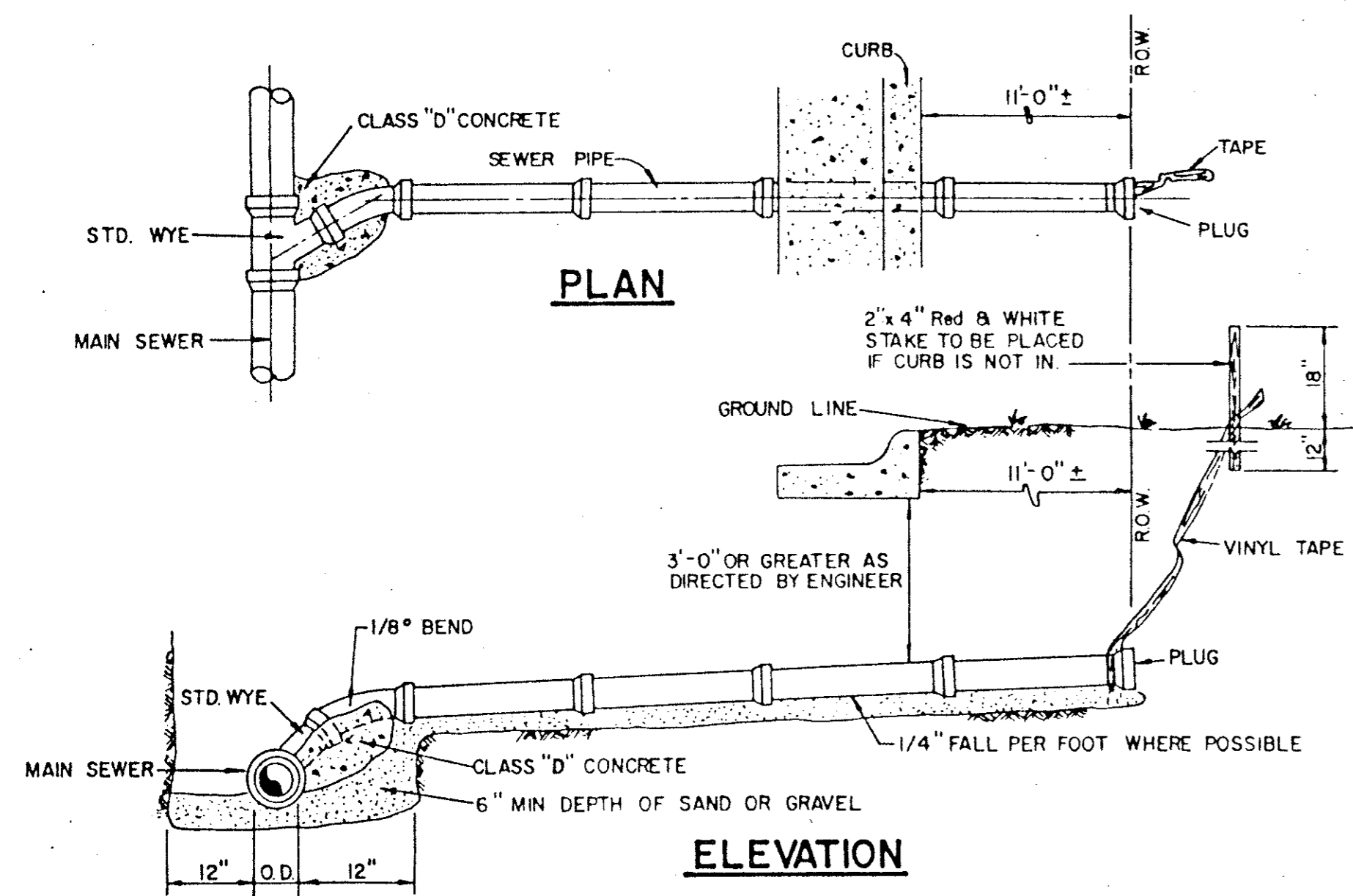
ECCENTRIC MANHOLE DETAIL

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

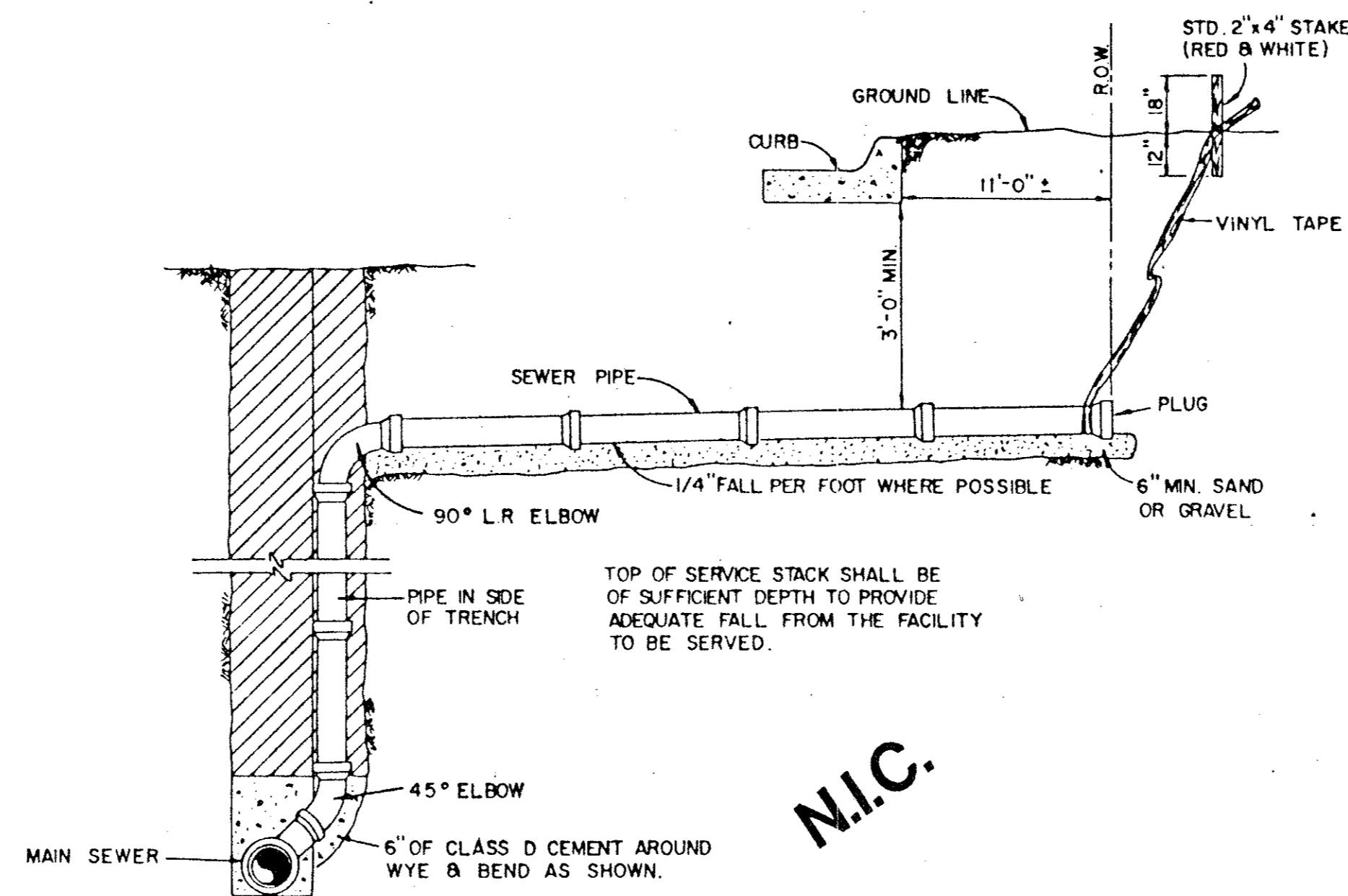
CLASS B Conc. - 2000psi at 28 days (Compressive)

TOWN OF ADDISON, TEXAS DEPARTMENT OF ENGINEERING			
STANDARD CONSTRUCTION DETAILS SANITARY SEWER			
MANHOLES AND CONNECTIONS			
Designed -	Drawn -	Date - JULY, 1991	Job No. -
Approved -	Checked -	Scale -	Sheet D-6 OF

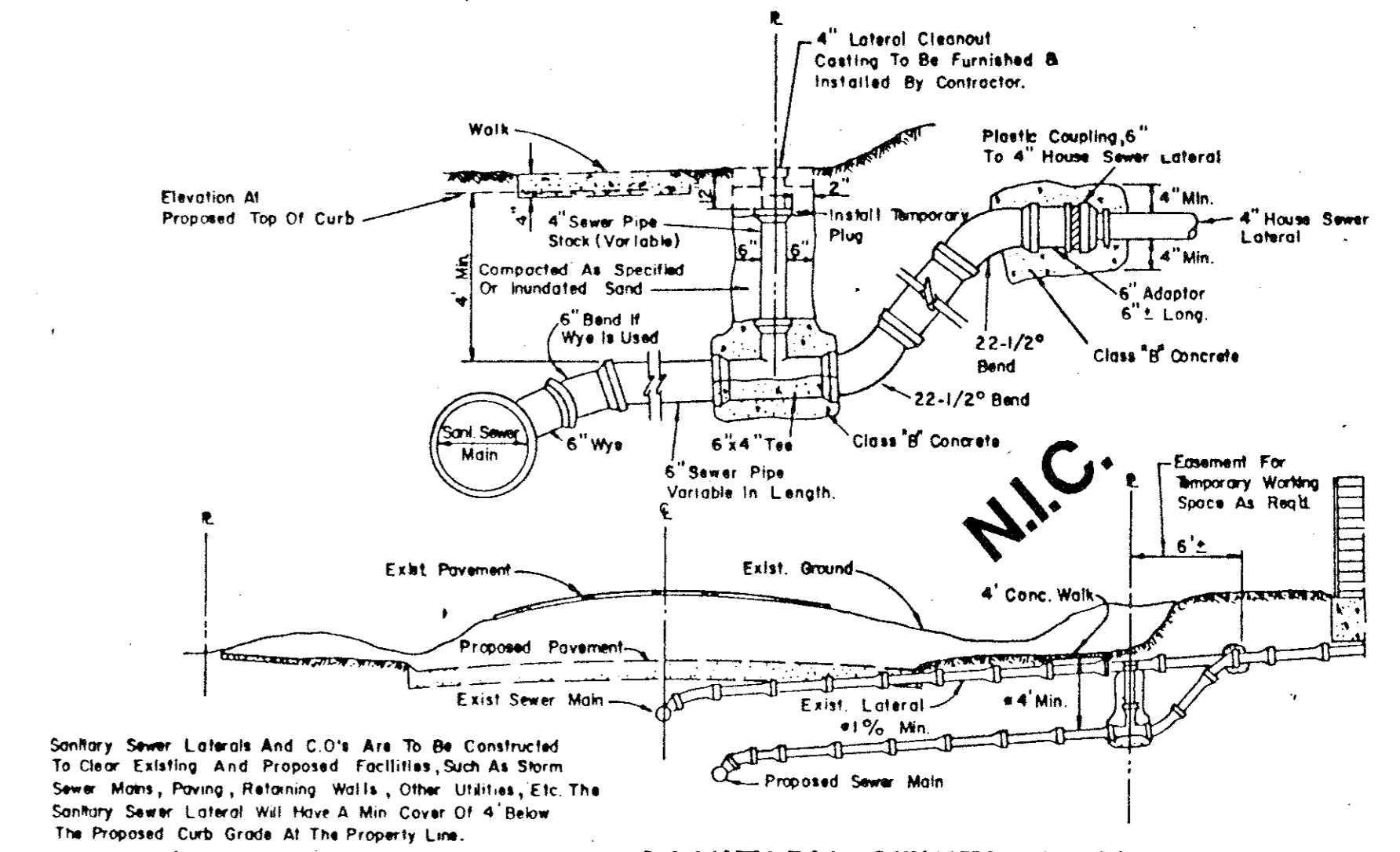




SANITARY SEWER SERVICE CONNECTION

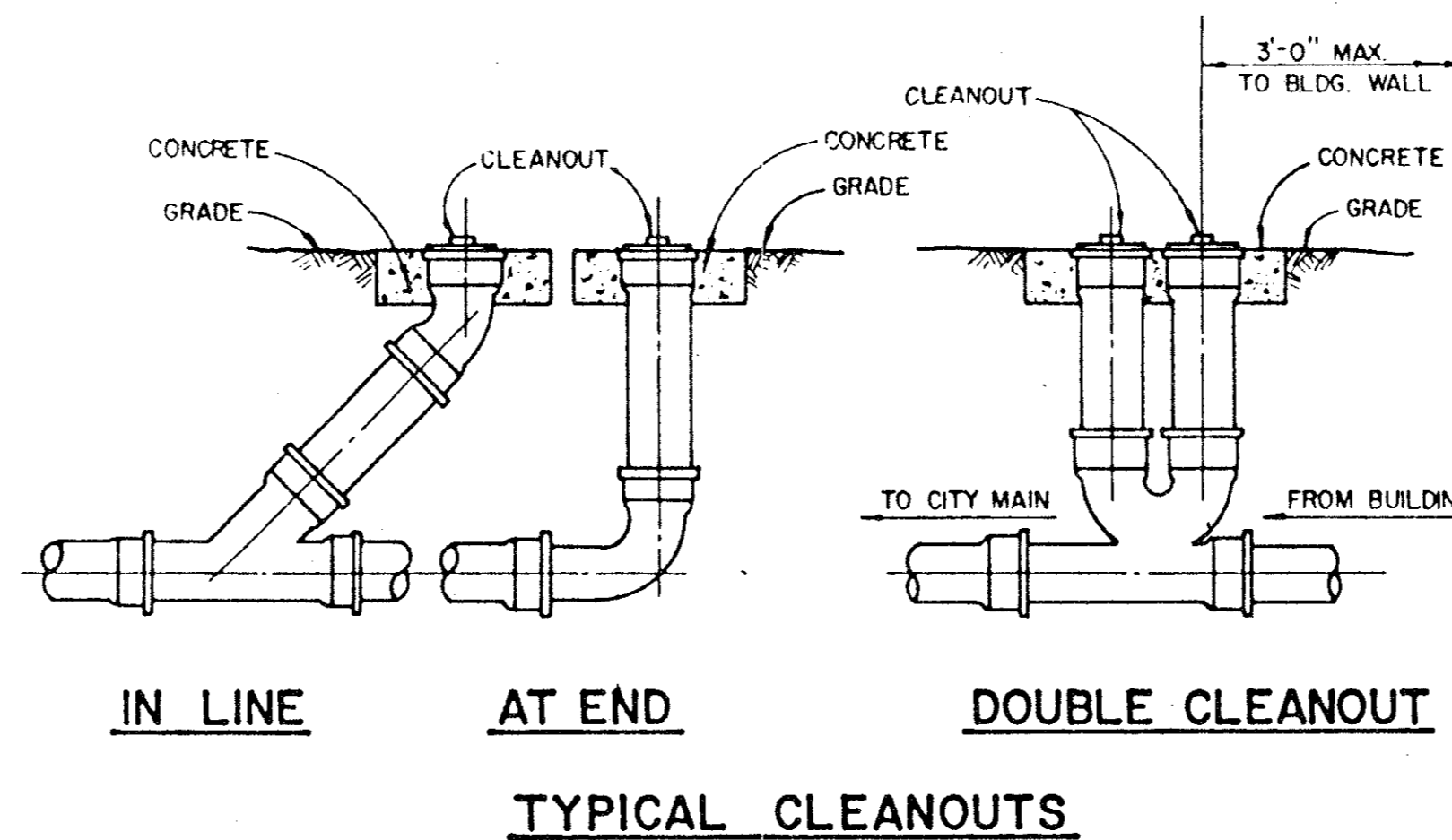
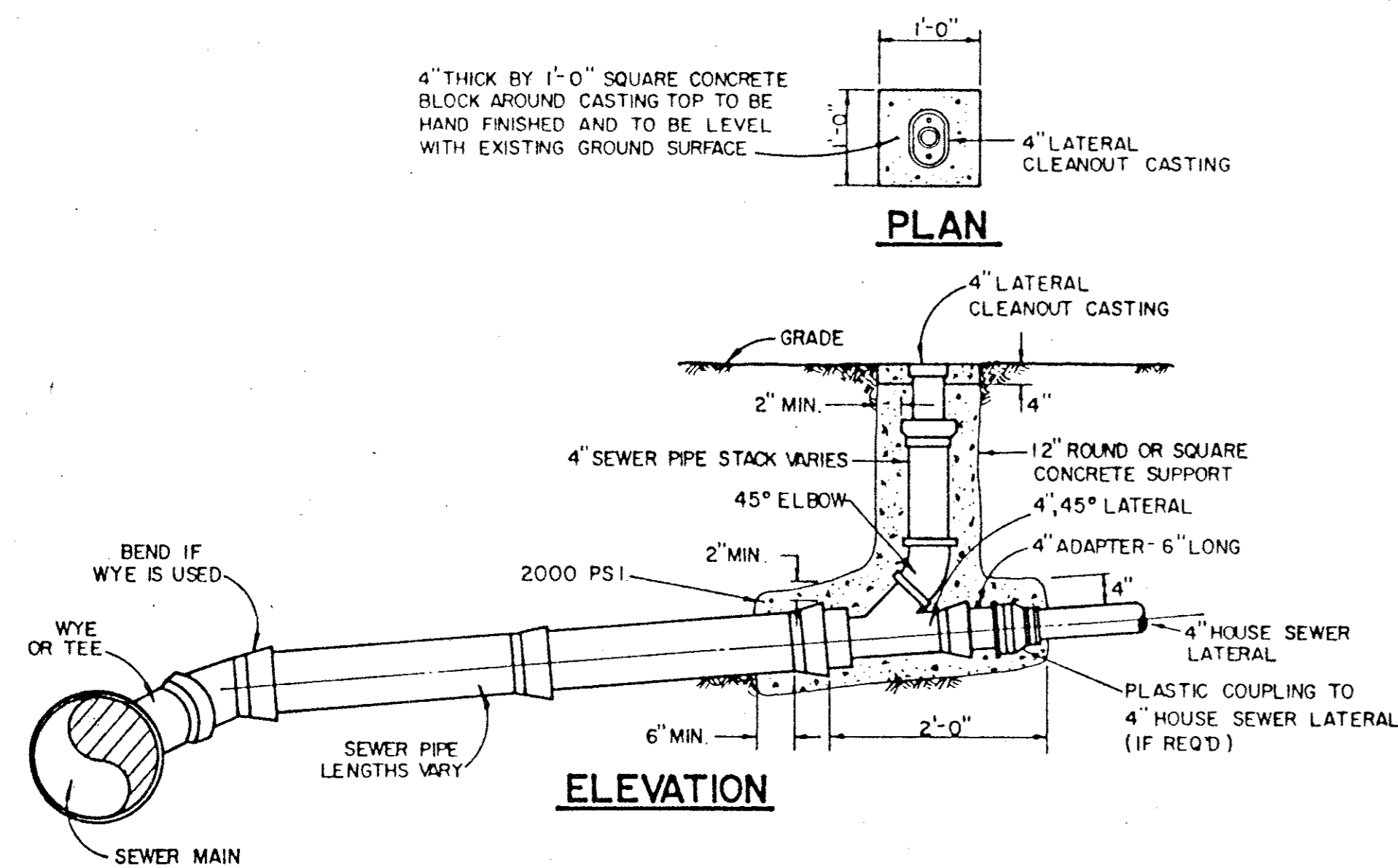


SANITARY SEWER DEEP SERVICE CONNECTION

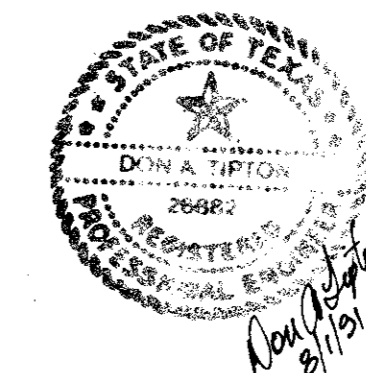


SANITARY SEWER LATERAL REPLACEMENT

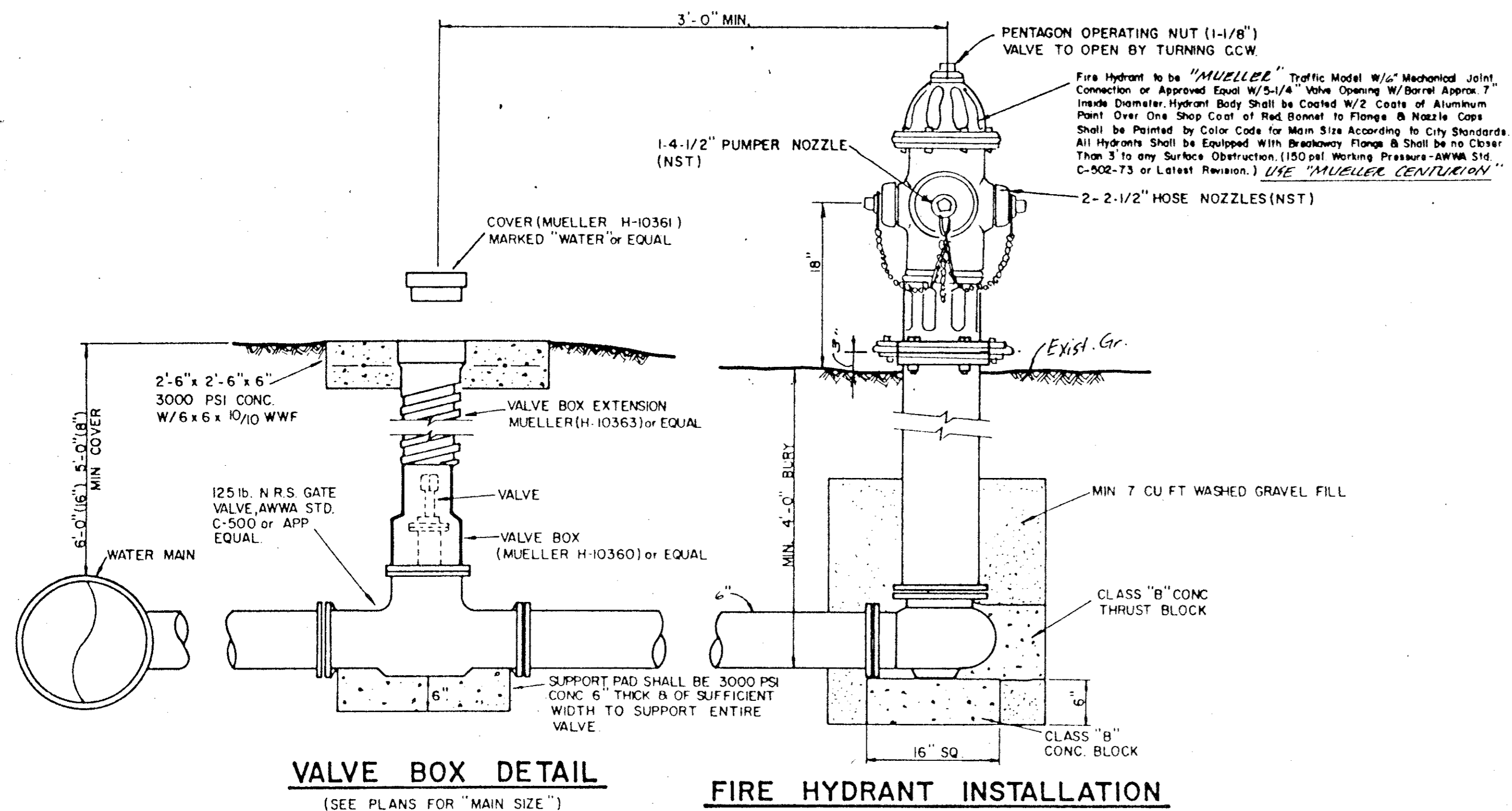
NOTE:
Cleanout To Be Installed On Property Line Except As Required To Avoid Conflict With Existing Or Proposed Facilities In Which Case The Location Shall Be Determined By The Engineer.



TYPICAL CLEANOUTS

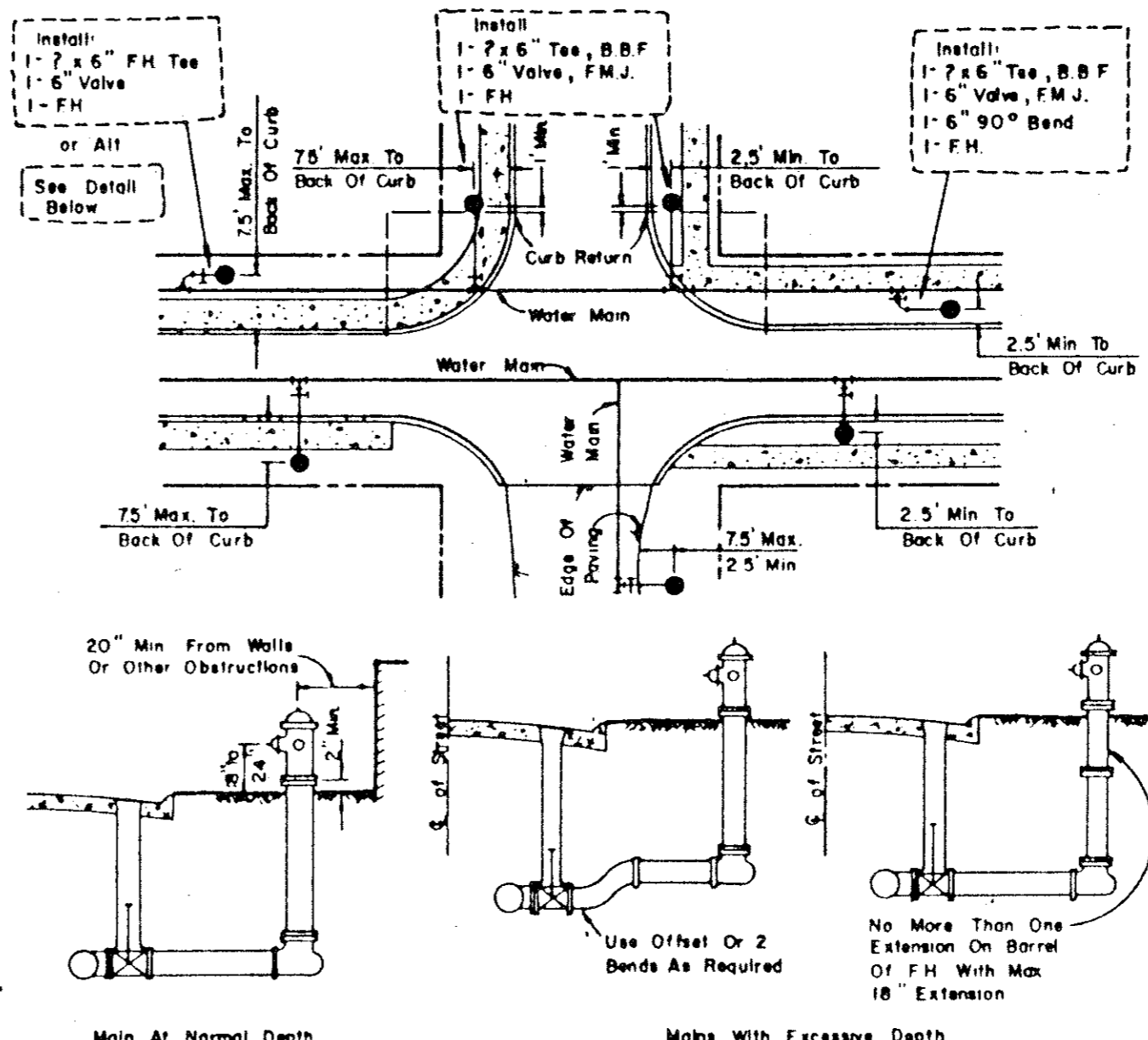


TOWN OF ADDISON, TEXAS			
DEPARTMENT OF ENGINEERING			
STANDARD CONSTRUCTION DETAILS			
SANITARY SEWER			
LATERALS AND CLEANOUTS			
Designed -	Drawn -	Date - JULY, 1991	Job No. -
Approved -	Checked -	Scale -	Sheet D-7 OF

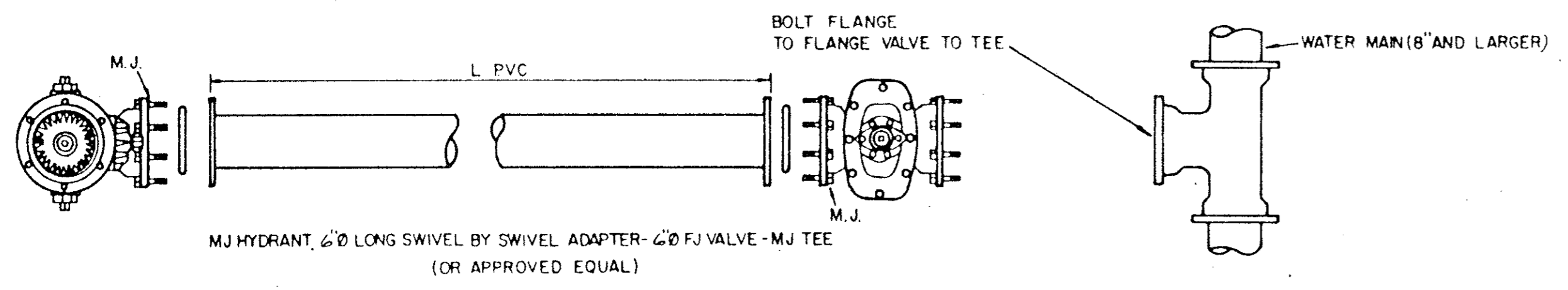
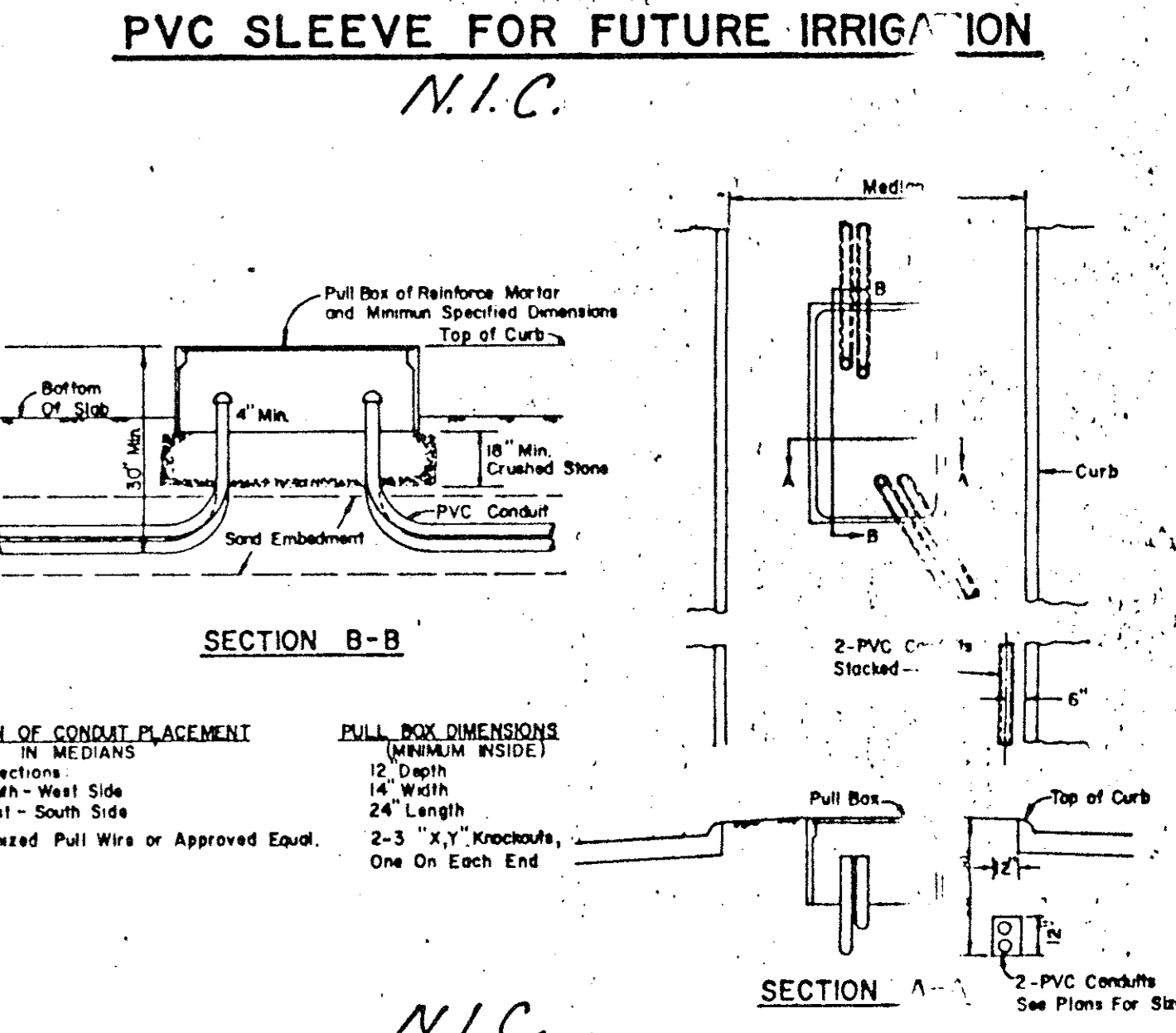
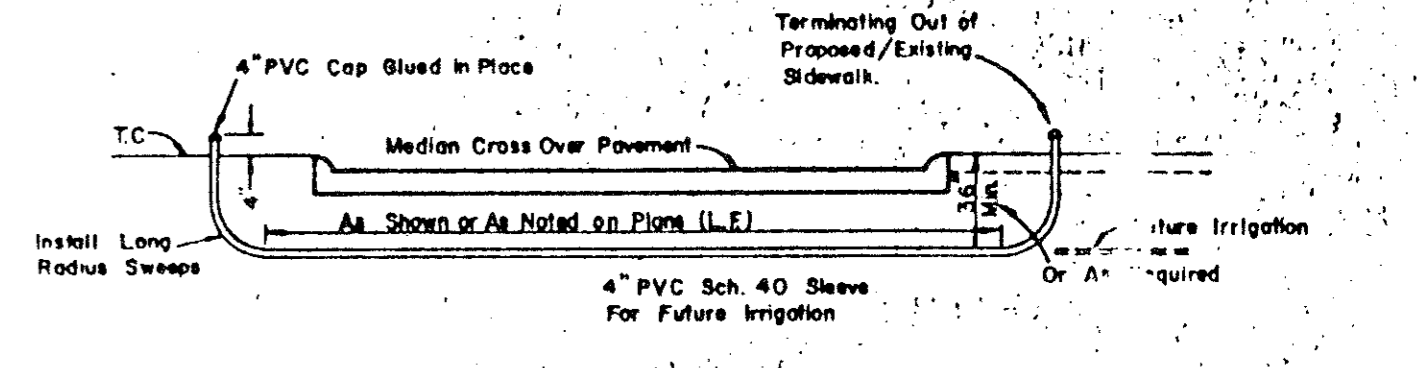


GATE VALVES AND VALVE BOXES.

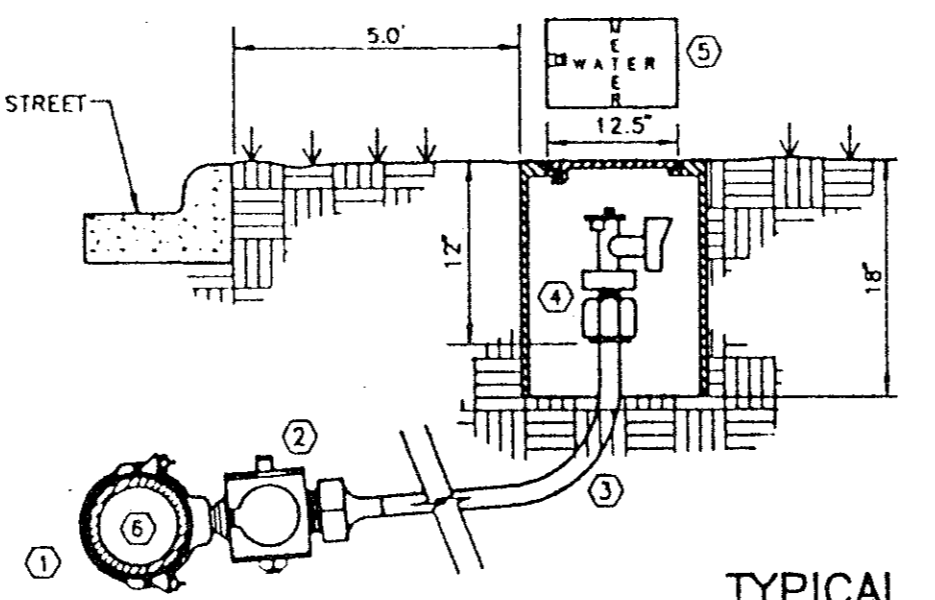
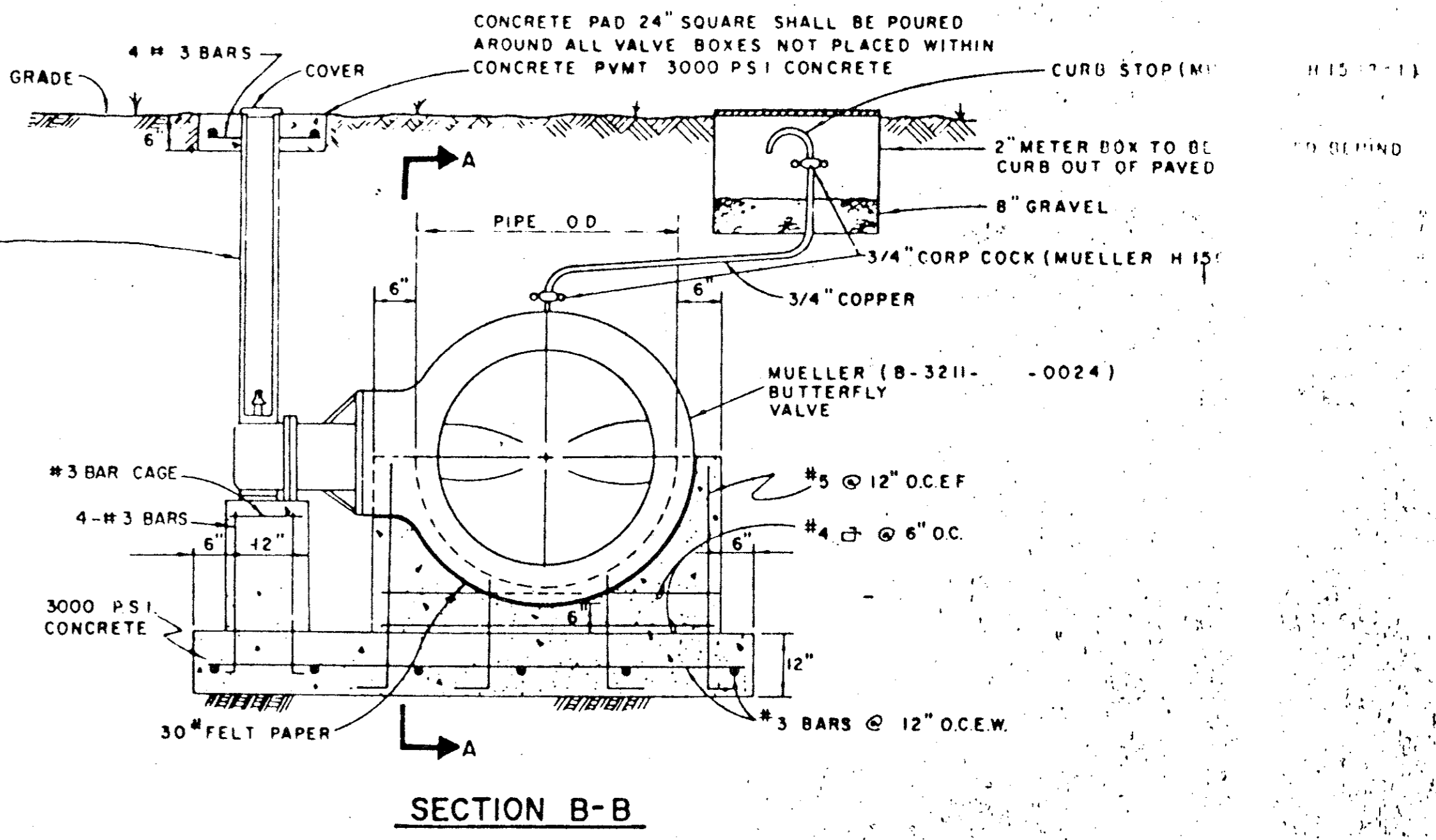
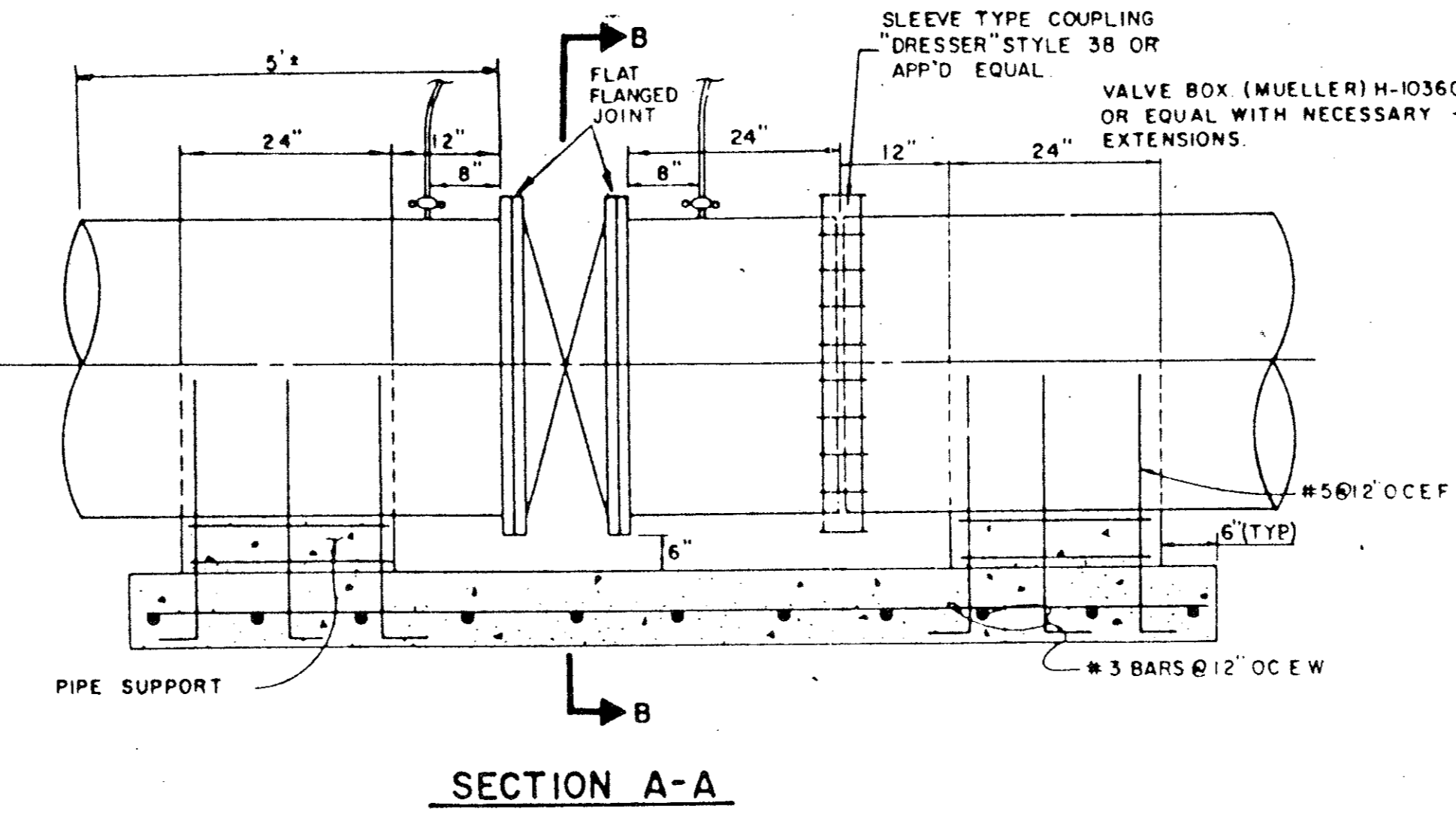
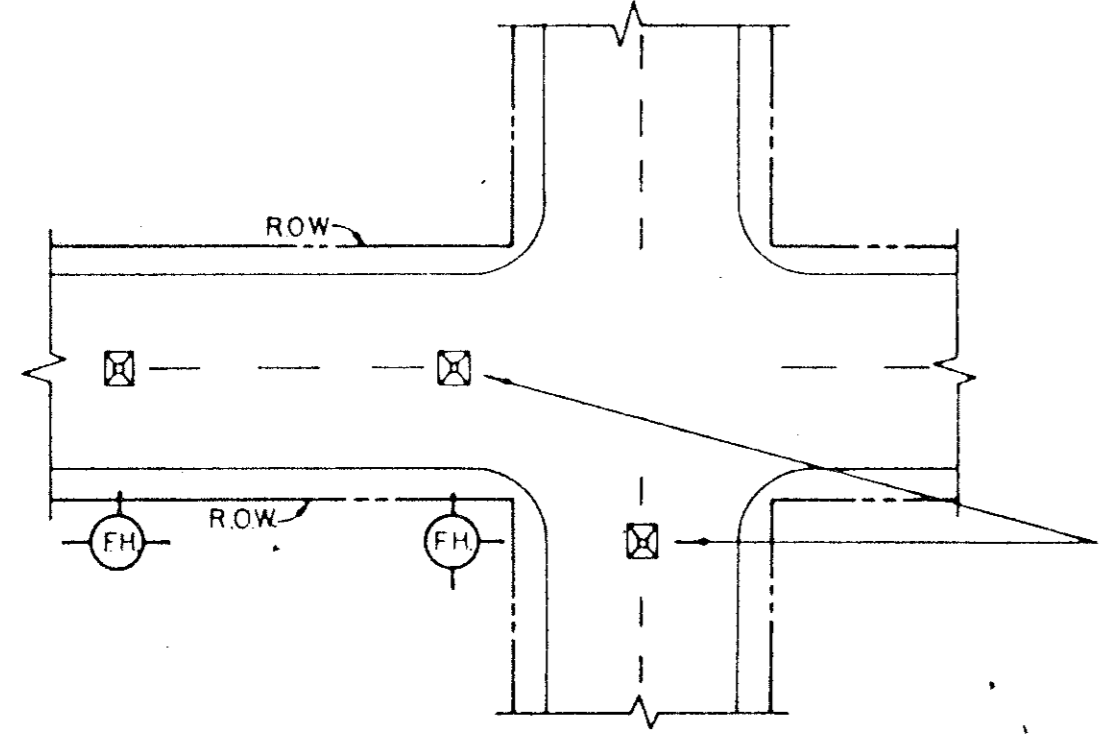
- GATE VALVES SHALL BE IRON BODY, BRONZE OR BRASS MOUNTED, NON-RISING STEM, PARALLEL SEAT TYPE VALVES SHALL BE OF EQUAL OR GREATER PRESSURE CLASS THAN THE PIPING IN WHICH THEY ARE TO BE INSTALLED.
- VALVE BOXES SHALL BE CAST IRON AND SHALL BE OF SUFFICIENT LENGTH AND DIAMETER TO OPERATE ALL VALVES BURIED IN THE GROUND. COVERS SHALL BE MARKED "WATER" THE BOXES SHALL REST ON THE VALVE AND BE ADJUSTED SO THAT THE COVER MAY BE SET FLUSH WITH THE FINISHED GRADE.



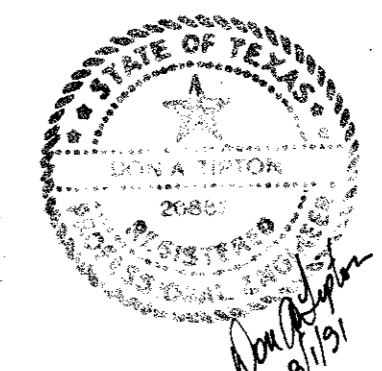
- GENERAL NOTES**
1. 4" O.D. F.H. Barrel Shall Be Not Less Than 6.0' Or More Than 9.0' From Back Of Curb Or Edge Of Pavement.
 2. Do Not Set F.H. In An Existing Or Proposed Sidewalk, Unless Otherwise Noted.
 3. All F.H. Tees Shall Be M.J. With Anchoring On The Branch With M.J., M.J. 6" Valve.
 4. Set F.H. On The Lot Line Extended When Possible.
 5. On Private Contracts, The Developer's Engineer Will Stake Location & Grade.
 6. Never Place F.H. Where Fire Truck Could Not Park Beside It.



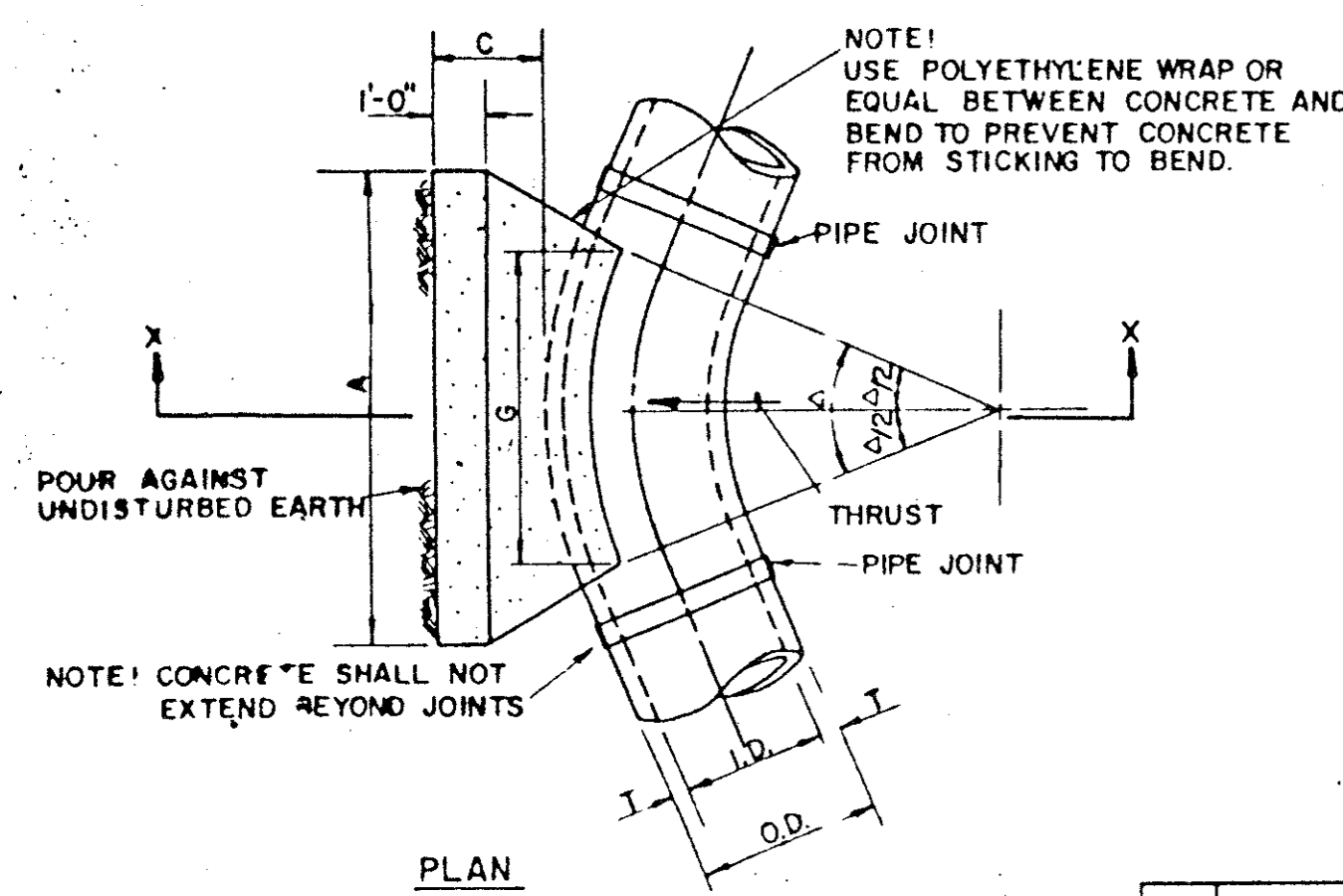
TYPICAL FIRE HYDRANT REFLECTOR INSTALLATION



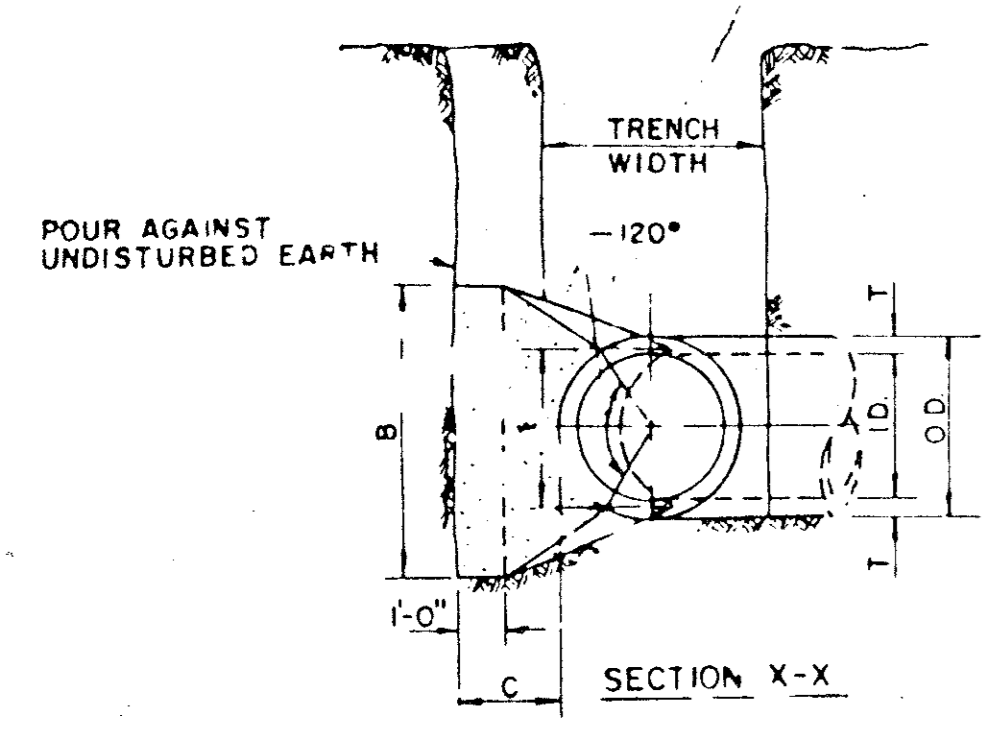
1. DOUBLE STRAP BRONZE SADDLE W/CCW THREADS. MUELLER.
2. CORPORATION STOP W/CCW THREADS. MUELLER H-1500B COMPRESSION OR H-1500D FLARED.
3. 3/4" TYPE "K" SOFT COPPER W/NO SPLICES.
4. ANGLE STOP W/LOCK WING. MUELLER H-1425B COMPRESSION OR H-1425S FLARED.
5. WATER METER BOX (RECTANGULAR SHAPE ONLY) CONCRETE OR METAL SHELL CONSTRUCTION.
6. WATER MAIN PVC AWWA C900 SDR 14/18 INTEGRAL WALL BELL.



TOWN OF ADDISON, TEXAS DEPARTMENT OF ENGINEERING			
STANDARD CONSTRUCTION DETAILS WATER			
FIRE HYDRANTS, PULL BOXES AND VALVES			
Designed -	Drawn -	Date - AUGUST, 1991	Job No. -
Approved -	Checked -	Scale -	Sheet D-8 OF



I.D. (IN.)	T (IN.)	C		E (FT.)
		11.25°	22.50°	
4.6, 8	0.4	1.5	1.5	0.9
10.12	0.5	1.5	1.5	1.2
16.18	0.6	1.5	1.5	1.6
20	0.7	1.5	1.5	1.8
24	0.9	1.5	1.5	2.1
30	1.1	1.5	1.5	2.6
36	1.4	1.5	1.5	3.3
42	1.7	1.5	1.5	3.8
48	2.0	1.5	1.5	4.3
54	2.3	1.5	1.5	4.8
60	2.5	1.5	1.5	5.3
66	2.8	1.5	1.5	5.7
72	3.0	1.5	1.5	6.3
78	3.3	1.5	1.5	6.7
84	3.5	1.5	1.5	7.2
90	3.8	1.5	1.5	7.7
96	4.0	1.5	1.5	8.2

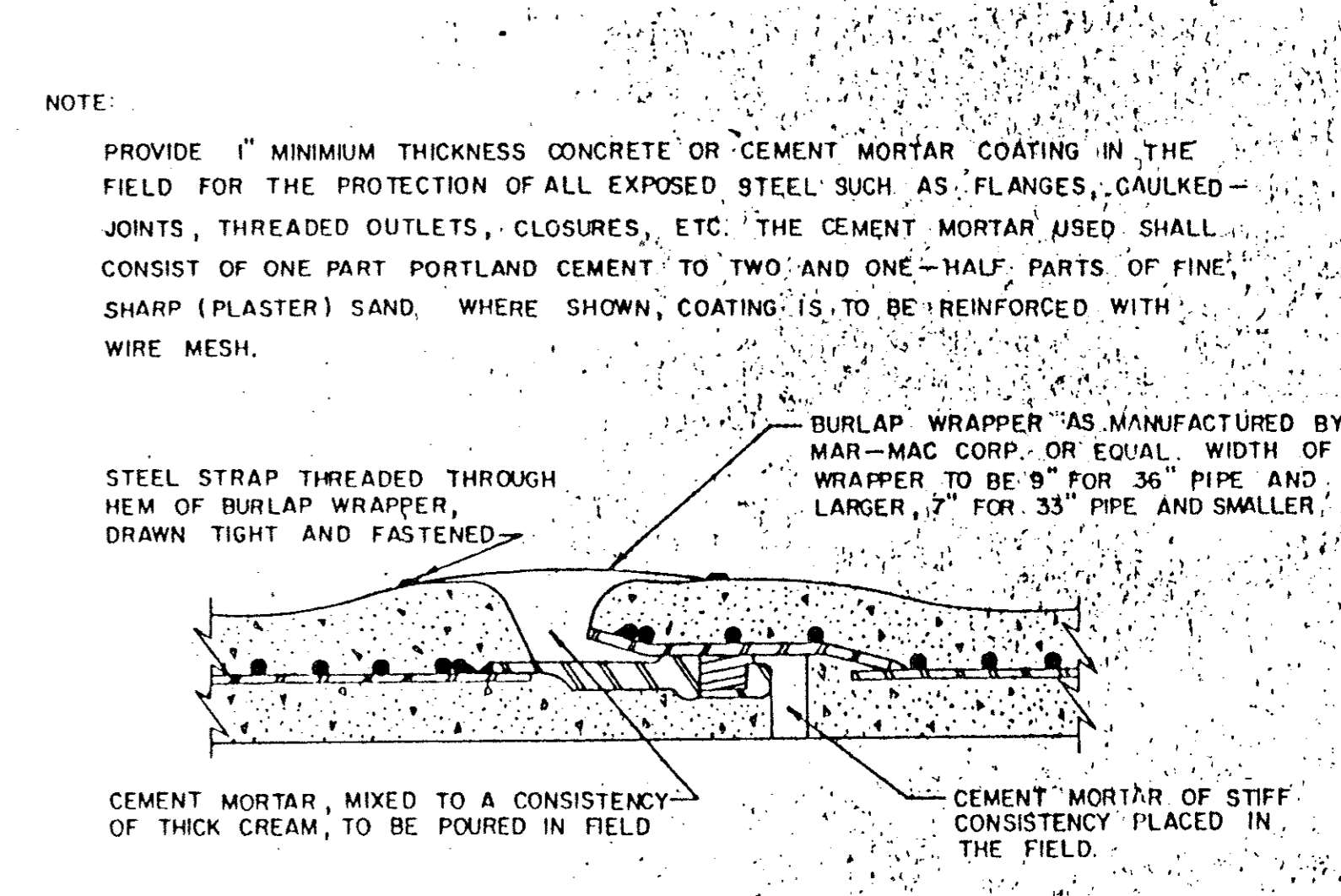


I.D. (IN.)	G (FT.)	EARTH			ROCK			I.D. (IN.)	G (FT.)	EARTH			ROCK		
		THRUST TONS	A FT.	B FT.	VOL. CY.	A FT.	B FT.			VOL. CY.	THRUST TONS	A FT.	B FT.	VOL. CY.	
4.6, 8	0.4	10	1.0	1.3	0.1	1.0	1.0	4.6, 8	0.8	2.0	1.5	1.5	0.1	1.0	1.0
10.12	0.6	2.2	1.5	1.5	0.1	1.0	1.5	10.12	1.1	4.4	2.0	2.5	0.3	1.5	1.5
16.18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	16.18	1.6	9.5	3.0	3.5	0.6	2.0	2.5
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	20	1.8	12.3	3.5	3.5	0.7	2.0	3.5
24	1.1	8.9	3.0	3.0	0.5	1.5	3.0	24	2.2	17.7	4.0	4.5	1.0	3.0	3.0
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	30	2.7	20.7	5.0	4.5	1.5	3.0	4.0
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	36	3.3	29.8	5.5	5.5	2.3	4.0	4.0
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	42	3.8	40.5	7.0	6.0	3.9	4.5	5.0
48	2.2	26.6	4.5	6.0	2.0	3.0	6.0	48	4.4	52.9	8.0	7.0	5.7	4.8	6.0
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	54	4.9	67.0	9.0	8.0	8.0	6.0	6.0
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	60	5.5	82.7	9.5	9.0	10.6	6.0	7.5
66	3.0	50.3	6.5	8.0	3.1	3.5	8.0	66	6.0	100.1	10.5	10.0	14.1	8.5	8.0
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	72	6.6	119.1	11.0	11.0	17.6	7.5	8.0
78	3.6	70.2	8.0	9.0	8.1	4.0	9.0	78	7.1	139.6	12.0	12.0	22.5	8.0	9.0
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	84	7.6	162.1	13.0	12.5	27.2	8.5	10.0
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	90	8.2	186.1	14.0	13.5	33.7	9.5	10.0
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	96	8.7	211.7	15.0	14.5	41.2	10.0	11.0

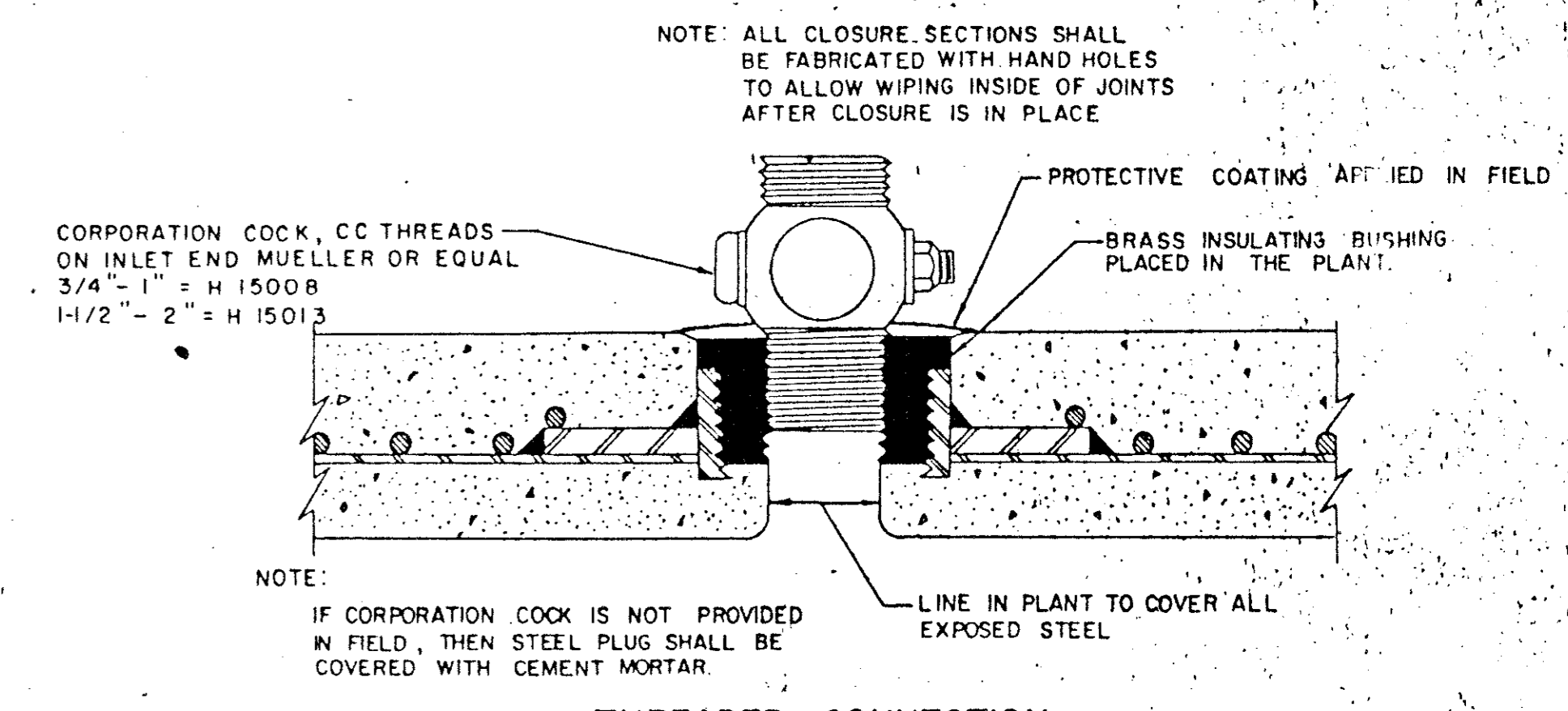
HORIZONTAL BEND THRUST BLOCK

I.D. (IN.)	G (FT.)	EARTH			ROCK			I.D. (IN.)	G (FT.)	EARTH			ROCK		
		THRUST TONS	A FT.	B FT.	VOL. CY.	A FT.	B FT.			VOL. CY.	THRUST TONS	A FT.	B FT.	VOL. CY.	
4.6, 8	1.0	2.6	2.0	1.5	0.2	1.0	1.8	4.6, 8	1.5	3.9	2.0	2.0	0.2	1.5	1.5
10.12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	10.12	2.2	8.7	3.5	2.5	0.5	2.0	2.5
16.18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	16.18	3.2	19.5	4.5	4.5	1.2	3.0	3.5
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	20	3.6	24.1	5.5	4.5	1.5	3.5	3.5
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	24	4.3	34.4	6.0	4.5	2.3	4.5	4.0
30	3.6	27.5	5.5	5.0	1.9	3.5	4.0	30	5.4	40.4	8.5	5.0	3.2	5.5	4.0
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	36	6.5	58.5	10.0	6.0	5.3	6.5	4.5
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	42	7.5	79.6	11.5	7.0	8.1	8.0	5.0
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	48	8.6	104.0	13.0	8.0	11.9	9.0	6.0
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	54	9.7	131.5	15.0	9.0	17.1	10.5	6.5
60	7.3	110.0	11.0	10.0	13.9	7.5	7.5	60	10.7	162.4	16.5	10.0	23.1	11.0	7.5
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	66	11.8	196.5	18.0	11.0	30.1	12.0	8.5
72	8.7	158.2	13.5	12.0	24.0	9.0	9.0	72	12.9	233.9	19.5	12.0	38.6	14.0	9.5
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	78	13.9	274.5	21.5	13.0	49.8	14.5	10.5
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	84	15.0	318.4	23.0	14.0	61.2	15.5	10.5
90	10.9	247.1	16.5	15.0	45.0	11.5	11.0	90	16.1	365.3	24.5	15.0	74.5	17.5	10.5
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	96	17.1	415.6	26.0	16.0	89.3	18.5	11.5

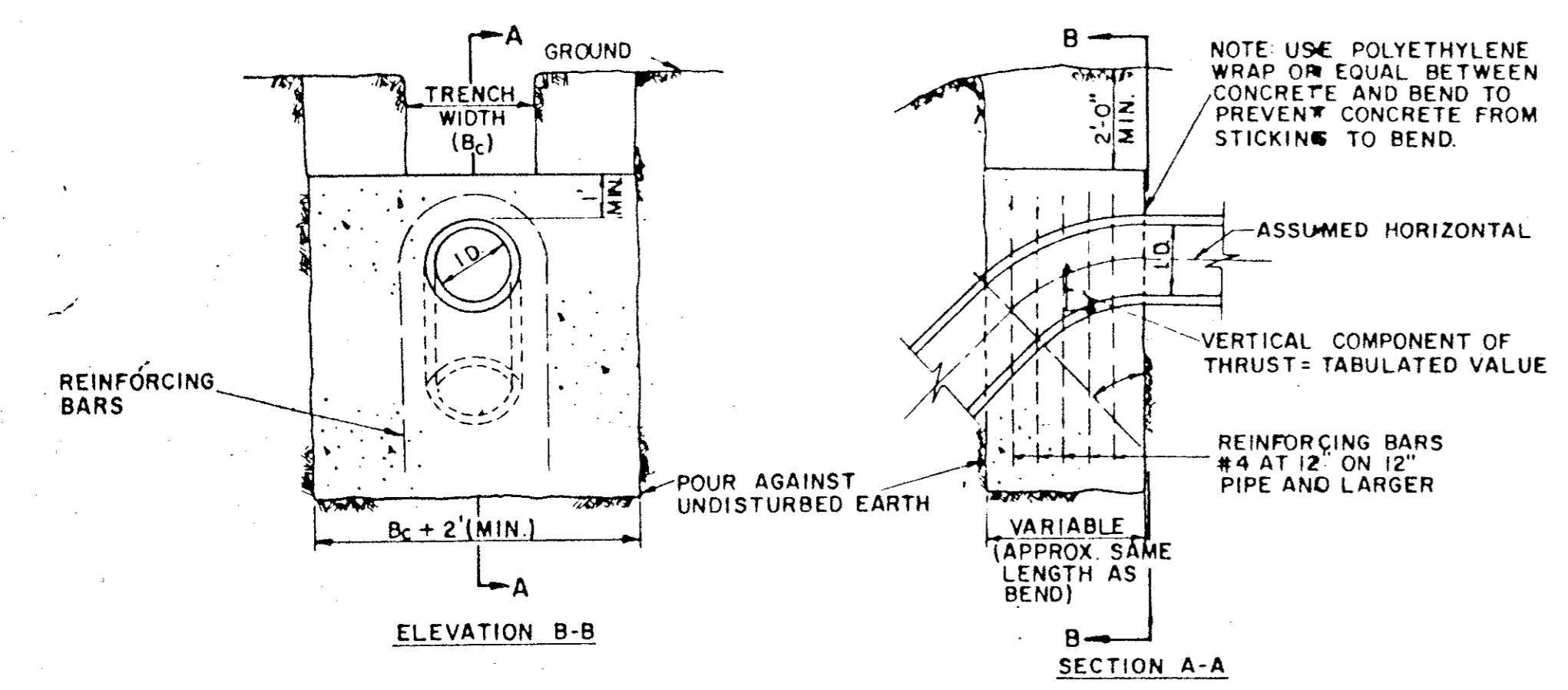
PLUG & TEE THRUST BLOCK



STANDARD RUBBER GASKET JOINT



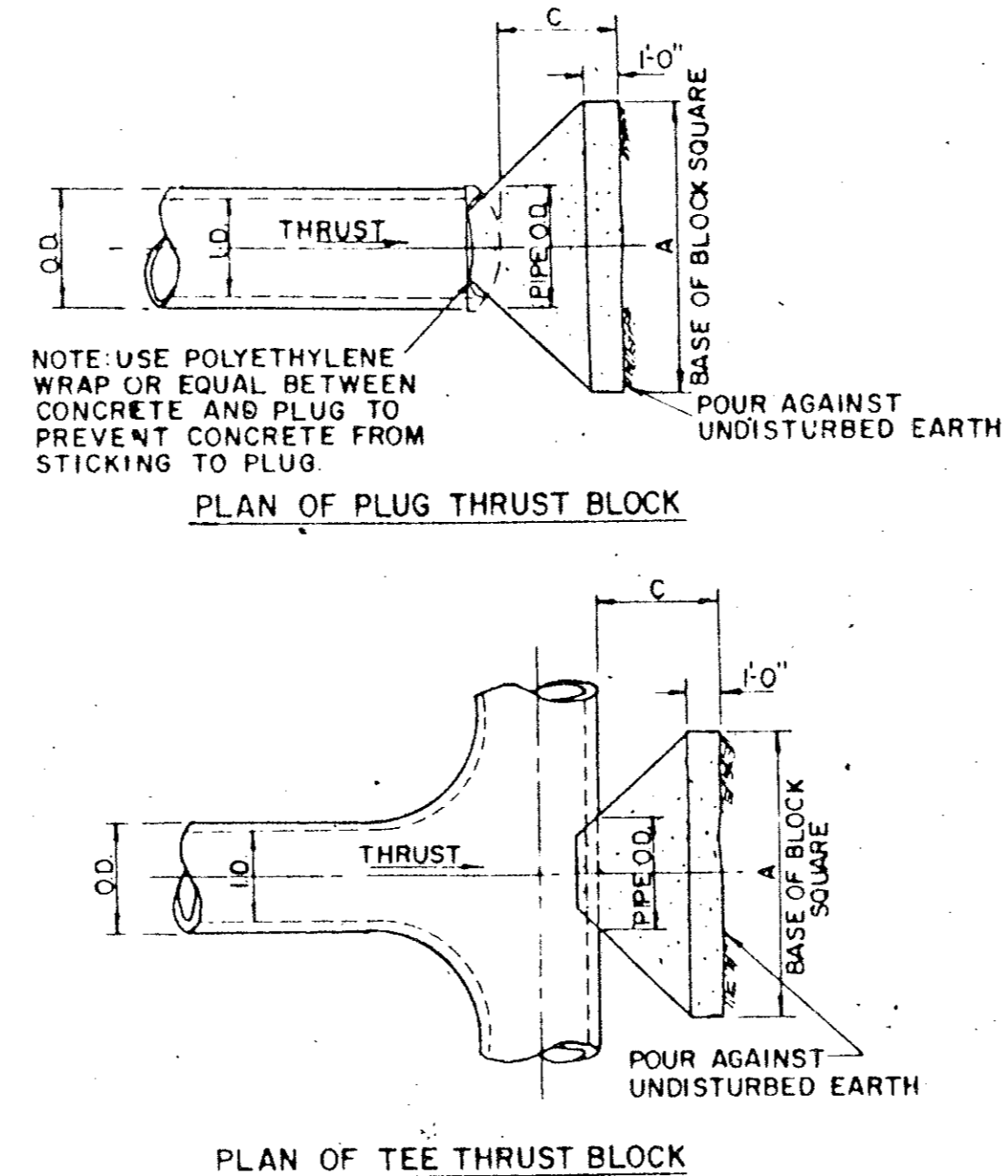
THREADED CONNECTION



I.D. (IN.)	THRUST TONS	11.25°		22.50°		30°		45°		67.50°		90°	
		THRUST TONS	VOL. CY.	THRUST TONS	VOL. CY.	THRUST TONS	VOL. CY.	THRUST TONS	VOL. CY.	THRUST TONS	VOL. CY.	THRUST TONS	VOL. CY.
4.6, 8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4.6, 8
10.12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10.12
16.18	5.0	2.5	9.7	4.8	12.7	6.4	18.0	9.0	23.5	11.8	23.5	12.7	16.18
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	49.0	24.5	53.1	26.5	30
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	76.4	38.2	36
42	20.3	10.1	39.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42
48	26.5	13.2	51.9	26.0	67.9	33.9	96.0	48.0	124.0	62.7	136.0	67.9	48
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	159.0	79.4	172.0	85.9	54
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60
66	50.1	25.0	98.2	49.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66
72	59.6	29.8	117.0	58.4	153.0	76.5	216.0	108.0	282.0	141.0	305.0	153.0	72
78	69.9	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	384.0	192.0	416.0	208.0	84
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	169.0	441.0	221.0	477.0	239.0	90
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96

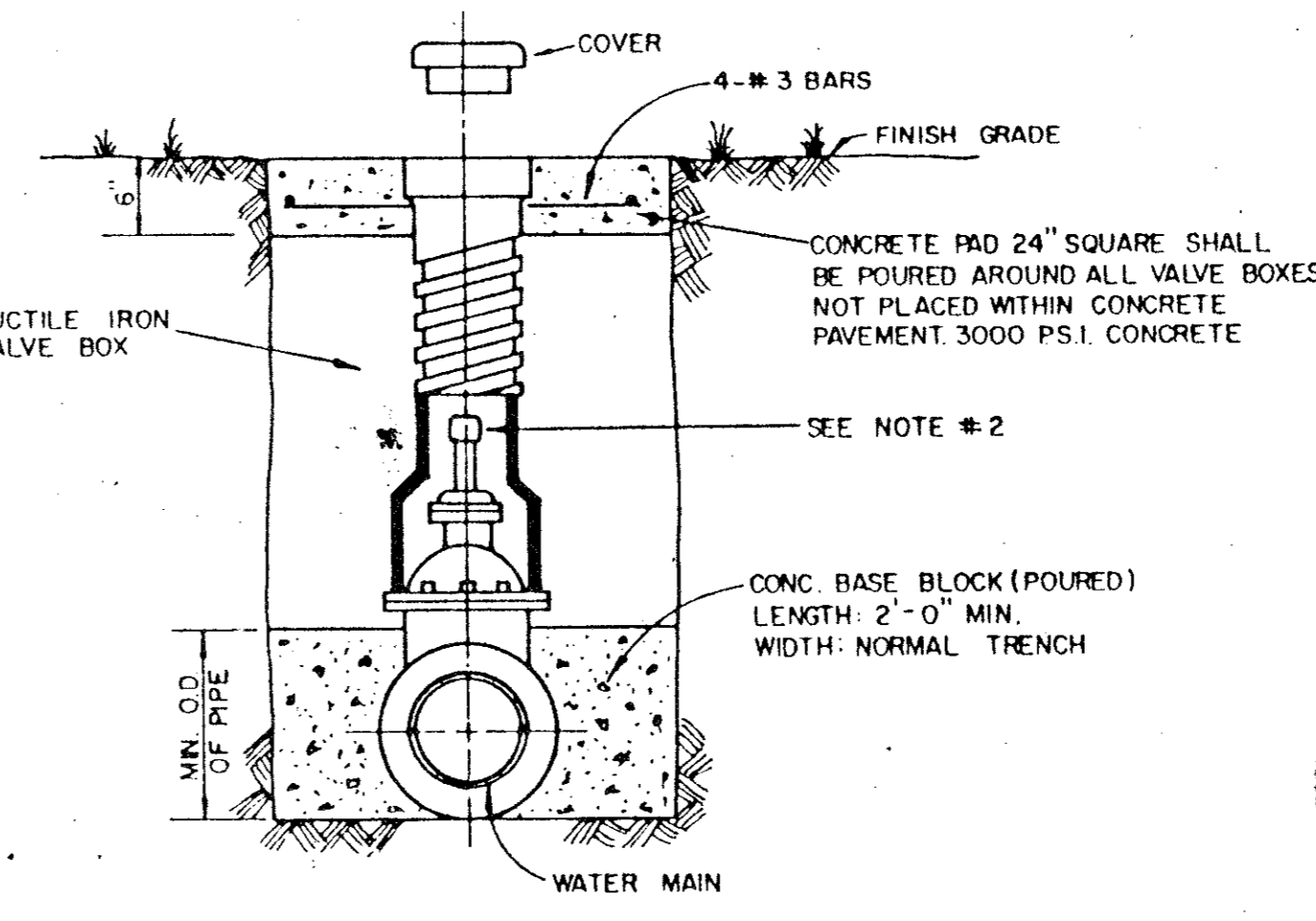
- GENERAL NOTES FOR ALL THRUST BLOCKS
1. All Calculations Are Based On Internal Pressure Of 200 P.S.I. For 24" I.D. Pipe And Smaller And 150 P.S.I. On 30" I.D. And Larger.
 2. Volumes Of Vertical Bend Thrust Blocks Are Net Volumes Of Concrete To Be Furnished. The Corresponding Weight Of The Concrete (Class F) Is Equal To Or Greater Than The Vertical Component Of Thrust On The Vertical Bend.
 3. Wall Thickness (T) Assumed Here For Estimating Purposes Only.
 4. Concrete For Blocking Shall Be Class B Concrete.
 5. Dimensions May Be Varied As Required By Field Conditions Where And As Directed By The Engineer. The Volume Of Concrete Blocking Shall Not Be Less Than Shown Here.

VERTICAL BEND THRUST BLOCK

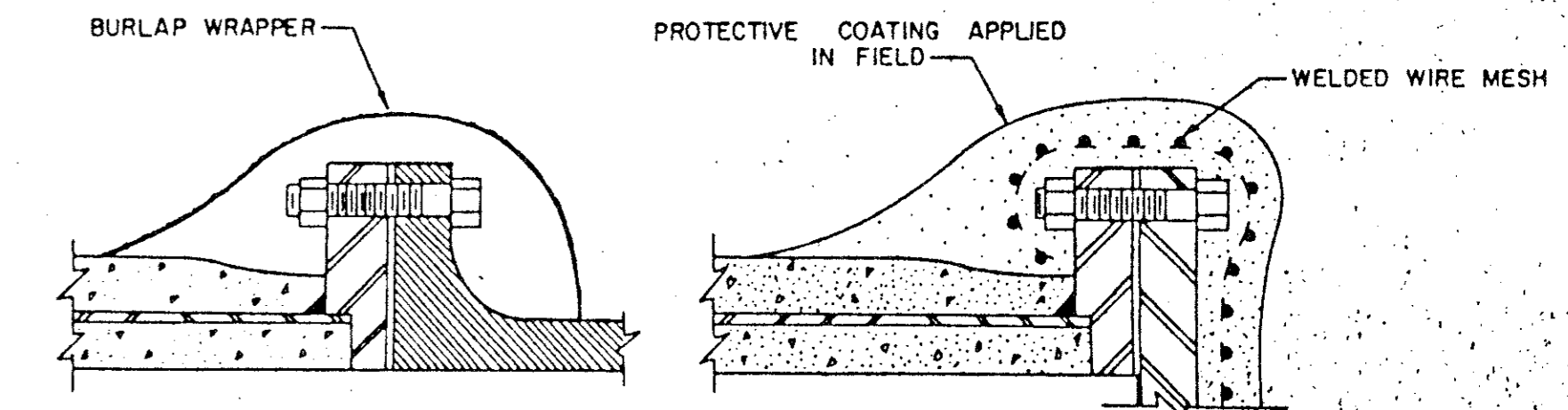


I.D. (IN.)	THRUST TONS	EARTH		ROCK	
		A FT.	B FT.	A FT.	B FT.
4.6, 8	1.5	2.5	0.3	2.0	0.2
10.12	2.2	3.5	0.6	2.5	0.3
16.18	5.0	7.5	1.6	4.0	0.9
20	6.1	9.0	2.0	5.0	1.1
24	8.2	11.0	2.5	6.0	1.4
30	10.5	13.0	3.0	7.5	1.7
36	14.9	17.0	4.0	10.0	2.2
42	20.3	22.0	5.0	13.0	2.8
48	26.5	28.0	6.0	16.0	3.4
54	33.5	34.0	7.0	19.0	4.0
60	41.4	40.0	8.0	22.0	4.6
66	50.1	47.0	9.0	25.0	5.2
72	59.6	54.0	10.0	28.0	5.8
78	69.9	61.0	11.0	31.0	6.4
84	81.1	68.0	12.0	34.0	7.0
90	93.1	75.0	13.0	37.0	7.6
96	106.0	82.0	14.0	40.0	8.2

PLUG & TEE THRUST BLOCK

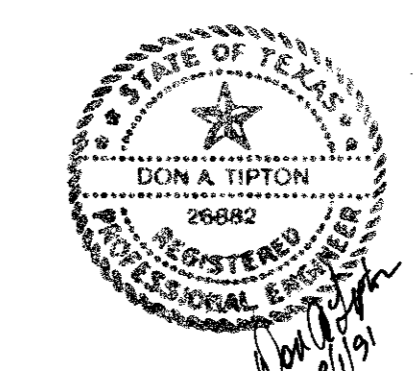


TYPICAL VALVE SETTING AND BOX



FLANGED CONNECTIONS

REINFORCED CONCRETE CYLINDER PIPE DETAILS

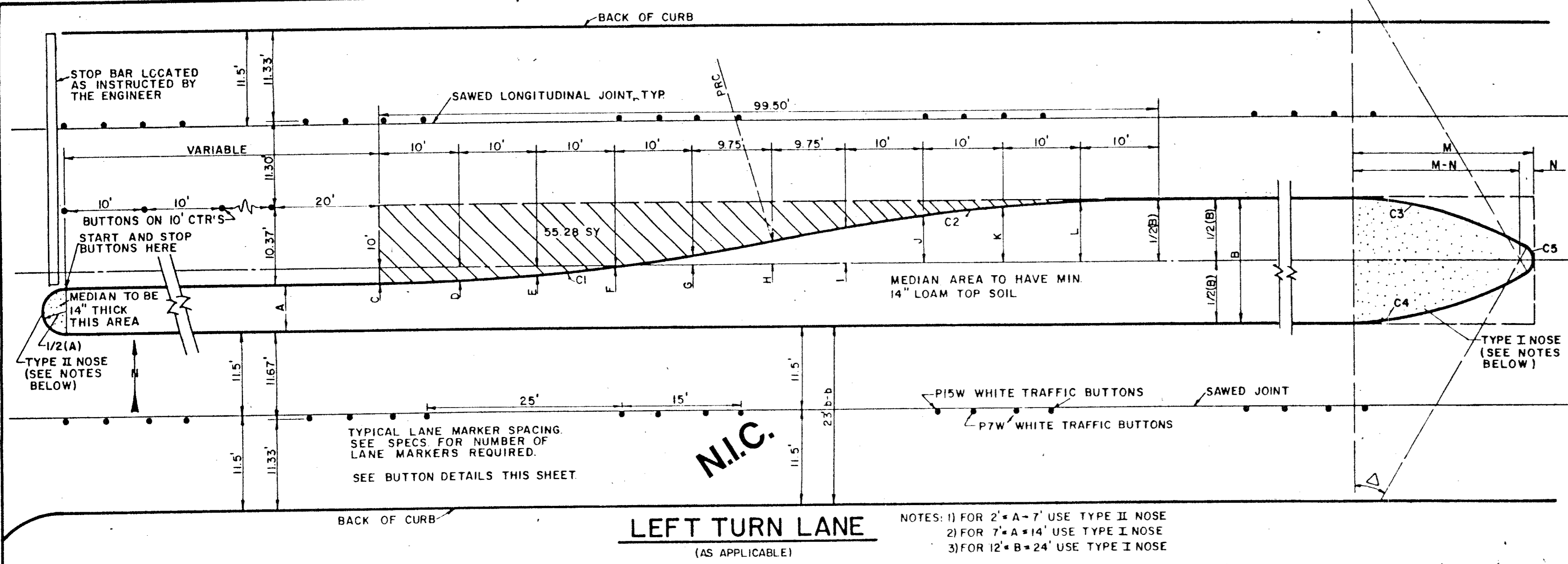


TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

STANDARD CONSTRUCTION DETAILS
WATER

THRUST BLOCKS

Designed - _____ Drawn - _____ Date - JULY, 1991 Job No. - _____
Approved - _____ Checked - _____ Scale - _____ Sheet D-9 OF _____



MEDIAN DIMENSION CHART

B	C	D	E	F	G	H	I	J	K	L	M	N
12'	4.00'S	3.80'S	3.20'S	2.19'S	0.78'S	1.00'N	2.78'N	4.19'N	5.20'N	5.80'N	22.56'	1.00'
13'	3.50'S	3.30'S	2.70'S	1.69'S	0.28'S	1.50'N	3.28'N	4.69'N	5.70'N	6.30'N	23.56'	1.00'
14'	3.00'S	2.80'S	2.20'S	1.19'S	0.22'N	2.00'N	3.78'N	5.19'N	6.20'N	6.80'N	22.68'	2.50'
15'	2.50'S	2.30'S	1.70'S	0.69'S	0.72'N	2.50'N	4.28'N	5.69'N	6.70'N	7.30'N	23.71'	2.50'
16'	2.00'S	1.80'S	1.20'S	0.19'S	1.22'N	3.00'N	4.78'N	6.19'N	7.20'N	7.80'N	23.46'	3.50'
17'	1.50'S	1.30'S	0.70'S	0.31'N	1.72'N	3.50'N	5.28'N	6.69'N	7.70'N	8.30'N	24.48'	3.50'
18'	1.00'S	0.80'S	0.20'S	0.81'N	2.22'N	4.00'N	5.78'N	7.19'N	8.20'N	8.80'N	25.44'	3.50'
19'	0.50'S	0.30'S	0.30'N	1.31'N	2.72'N	4.50'N	6.28'N	7.69'N	8.70'N	9.30'N	26.34'	3.50'
20'	0.00'	0.20'N	0.80'N	1.81'N	3.22'N	5.00'N	6.78'N	8.19'N	9.20'N	9.80'N	26.72'	4.00'
21'	0.50'N	0.70'N	1.30'N	2.31'N	3.72'N	5.50'N	7.28'N	8.69'N	9.70'N	10.30'N	27.57'	4.00'
22'	1.00'N	1.20'N	1.80'N	2.81'N	4.22'N	6.00'N	7.78'N	9.19'N	10.20'N	10.80'N	28.39'	4.00'
23'	1.50'N	1.70'N	2.30'N	3.31'N	4.72'N	6.50'N	8.28'N	9.69'N	10.70'N	11.30'N	29.17'	4.00'
24'	2.00'N	2.30'N	2.80'N	3.81'N	5.22'N	7.00'N	8.78'N	10.19'N	11.20'N	11.80'N	29.92'	4.00'

N = NORTH OF CENTERLINE
S = SOUTH OF CENTERLINE

CURVE DATA C3 & C4 FOR 7' A = 14'

A	Δ	R	T	L	M	N
7'	18°22'52"	50'	8.09'	16.04'	16.45'	1.00'
8'	20°09'11"		8.89'	17.59'	17.88'	1.00'
9'	21°47'12"		9.62'	19.01'	19.19'	1.00'
10'	23°18'41"		10.31'	20.34'	20.39'	1.00'
11'	24°44'50"		10.97'	21.60'	21.51'	1.00'
12'	26°06'32"		11.59'	22.78'	22.56'	1.00'
13'	27°24'27"		12.19'	23.92'	23.36'	1.00'
14'	28°38'05"		12.77'	25.02'	24.24'	1.00'

CURVE DATA C1

Δ = 11°28'40"
R = 250'
T = 25.13'
L = 50.08'

CURVE DATA C3 & C4 FOR 12' B = 24'

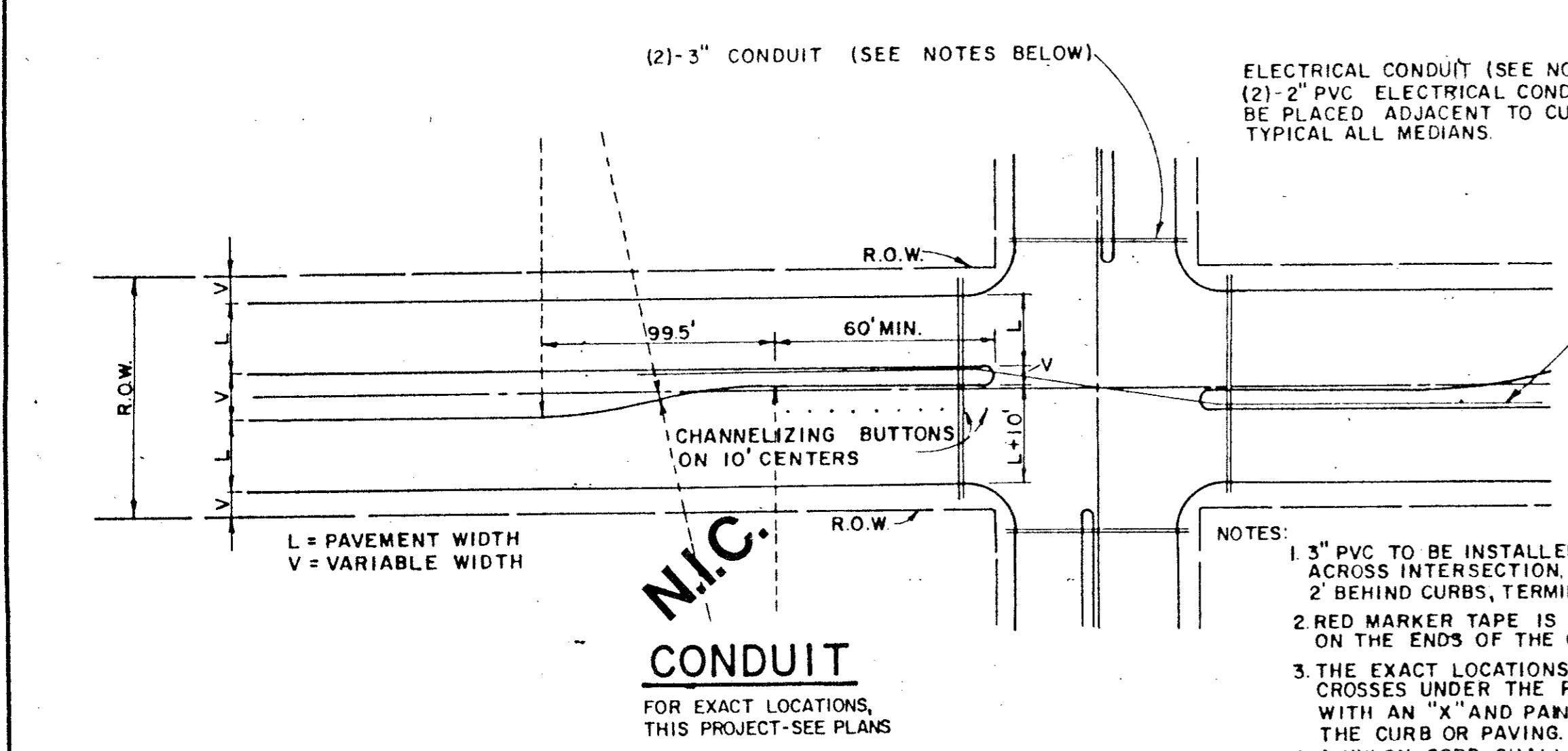
B	Δ	R	T	L
12'	26°06'32"	50.00'	11.59'	22.78'
13'	27°24'27"		12.19'	23.92'
14'	28°38'05"		12.77'	25.02'
15'	29°47'32"		13.33'	26.08'
16'	30°52'43"		13.87'	27.11'
17'	31°54'08"		14.39'	28.11'
18'	32°52'06"		14.89'	29.08'
19'	33°46'28"		15.37'	29.92'
20'	34°37'24"		15.83'	30.73'

CURVE DATA C5 FOR 12' B = 24'

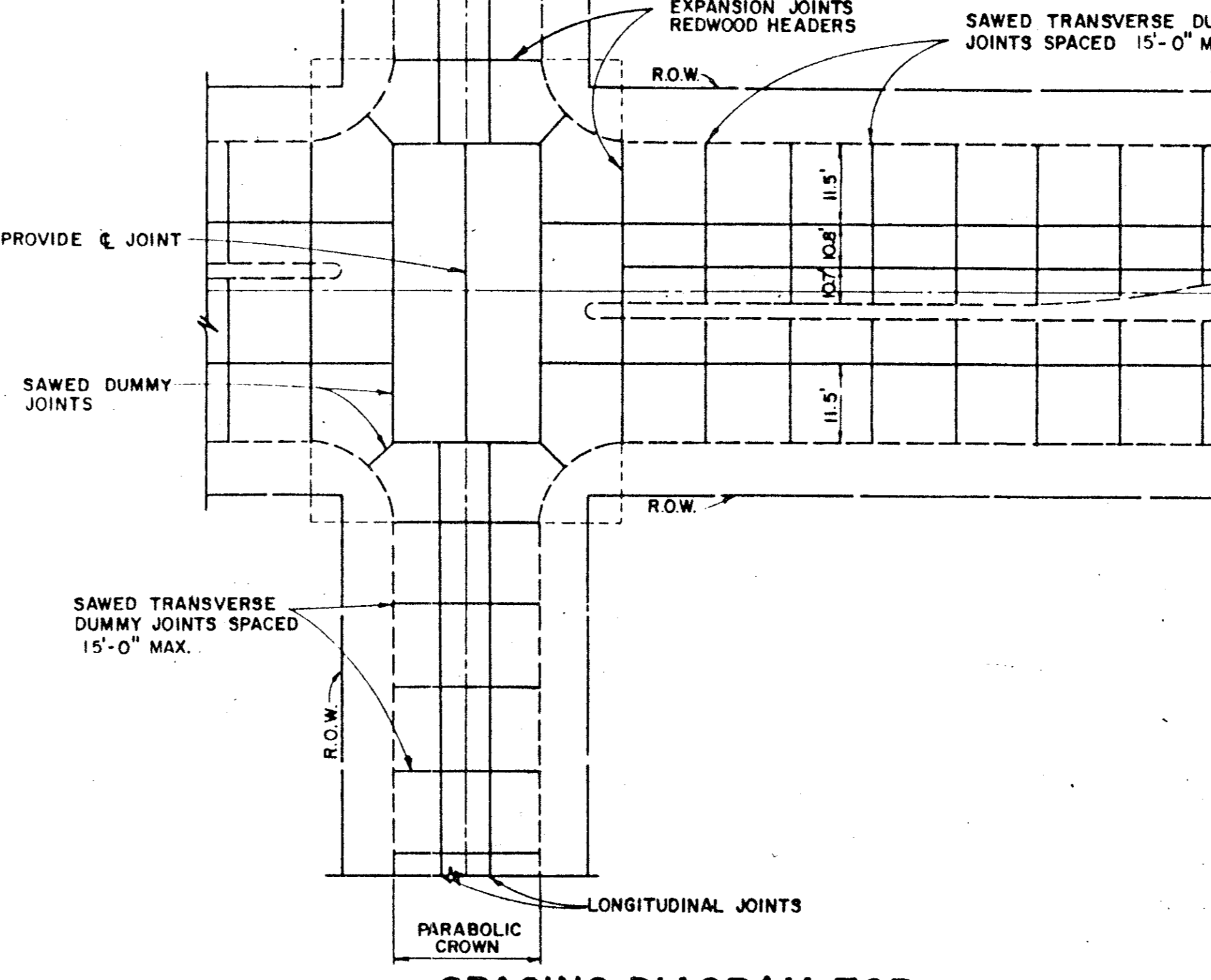
B	Δ	R	T	L
12'	127°47'32"	100'	2.04'	2.23'
13'	125°12'46"	100'	1.93'	2.19'
14'	123°43'08"	2.50'	5.33'	5.66'
15'	126°57'31"	2.50'	5.01'	5.54'
16'	129°09'33"	3.50'	7.36'	7.89'
17'	126°21'44"	3.50'	6.92'	7.72'
18'	123°41'38"	3.50'	6.54'	7.56'
19'	120°52'03"	3.50'	6.17'	7.38'
20'	120°48'56"	4.00'	7.04'	8.43'
21'	118°21'08"	4.00'	6.70'	8.26'
22'	115°57'07"	4.00'	6.40'	8.10'
23'	113°38'22"	4.00'	6.12'	7.93'
24'	111°23'48"	4.00'	5.86'	7.78'

CURVE DATA C5 FOR 7' A = 14'

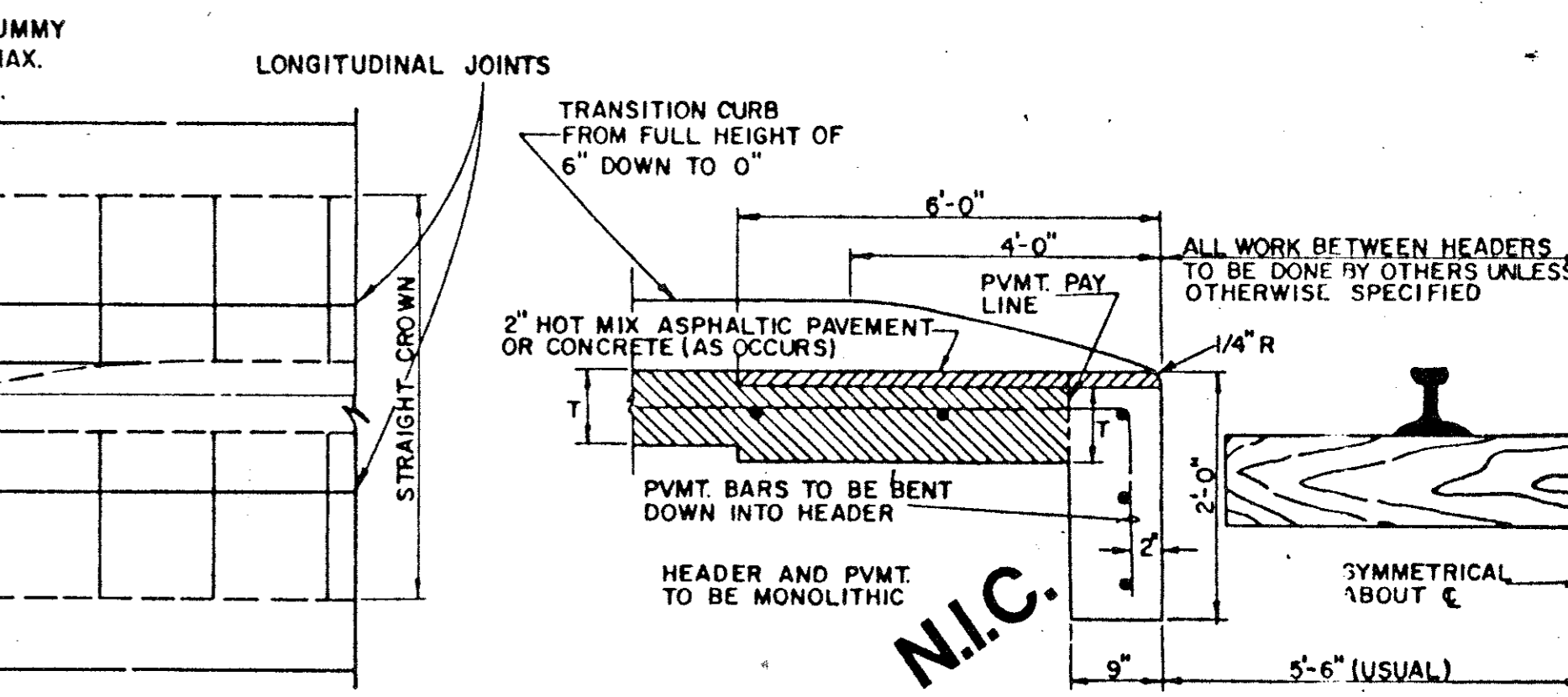
A	Δ	R	T	L
7'	143°14'15"	100'	3.01'	2.50'
8'	139°41'58"	100'	2.72'	2.44'
9'	136°25'35"	100'	2.50'	2.38'
10'	133°22'38"	100'	2.32'	2.33'
11'	130°30'20"	100'	2.17'	2.28'
12'	127°47'32"	100'	2.04'	2.23'
13'	125°12'46"	100'	1.93'	2.19'
14'	123°43'08"	2.50'	5.33'	5.66'



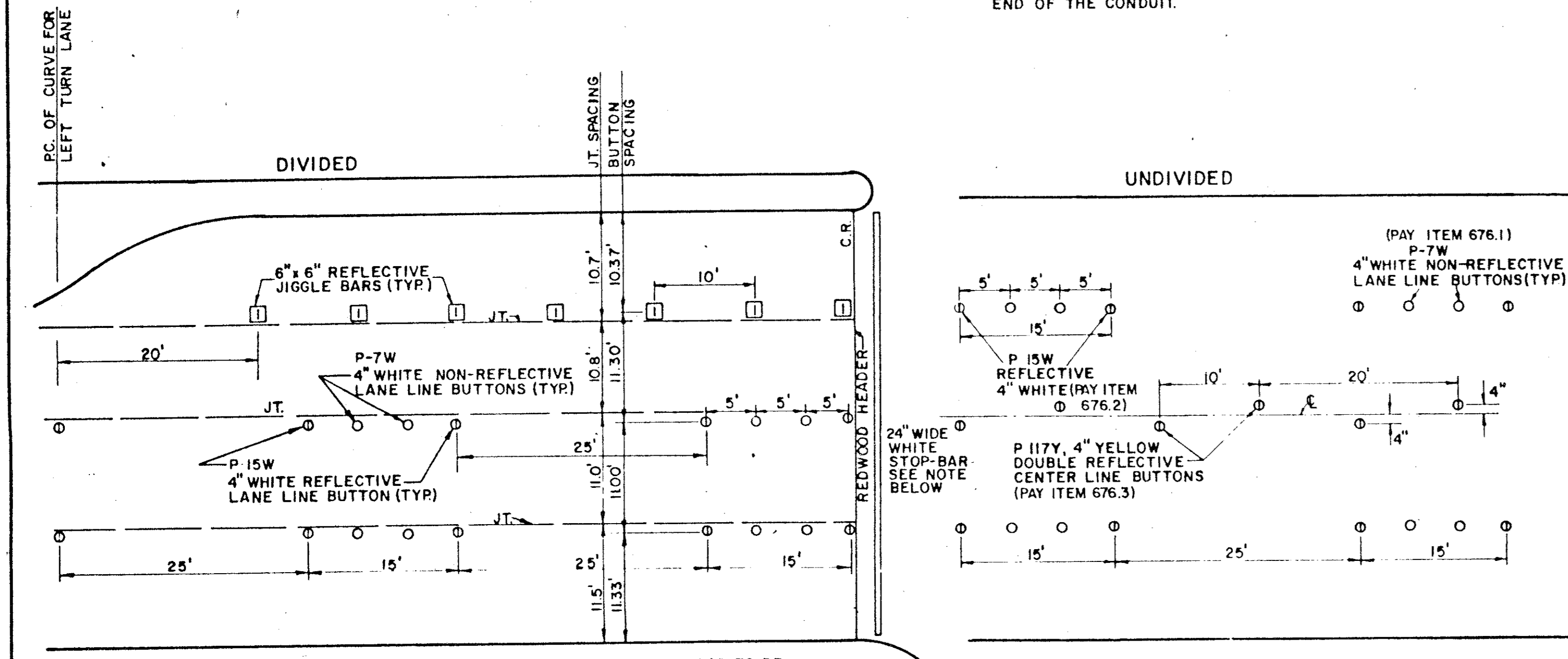
- NOTES:
1. 3" PVC TO BE INSTALLED CONTINUOUS ACROSS INTERSECTION EXTENDING TO 2' BEHIND CURBS, TERMINATING IN PULL BOX.
 2. RED MARKER TAPE IS TO BE INSTALLED ON THE ENDS OF THE CONDUIT.
 3. THE EXACT LOCATIONS WHERE THE CONDUIT CROSSES UNDER THE PAVING ARE TO BE CHISELED WITH AN "X" AND PAINTED WITH RED PAINT, ON THE CURB OR PAVING.
 4. A NYLON CORD SHALL BE PLACED IN ALL CONDUIT UNDER PAVING. THIS CORD SHALL EXTEND A MINIMUM OF 1' FROM THE END OF THE CONDUIT.



SPACING DIAGRAM FOR TRANSVERSE JOINTS



RAIL HEADER

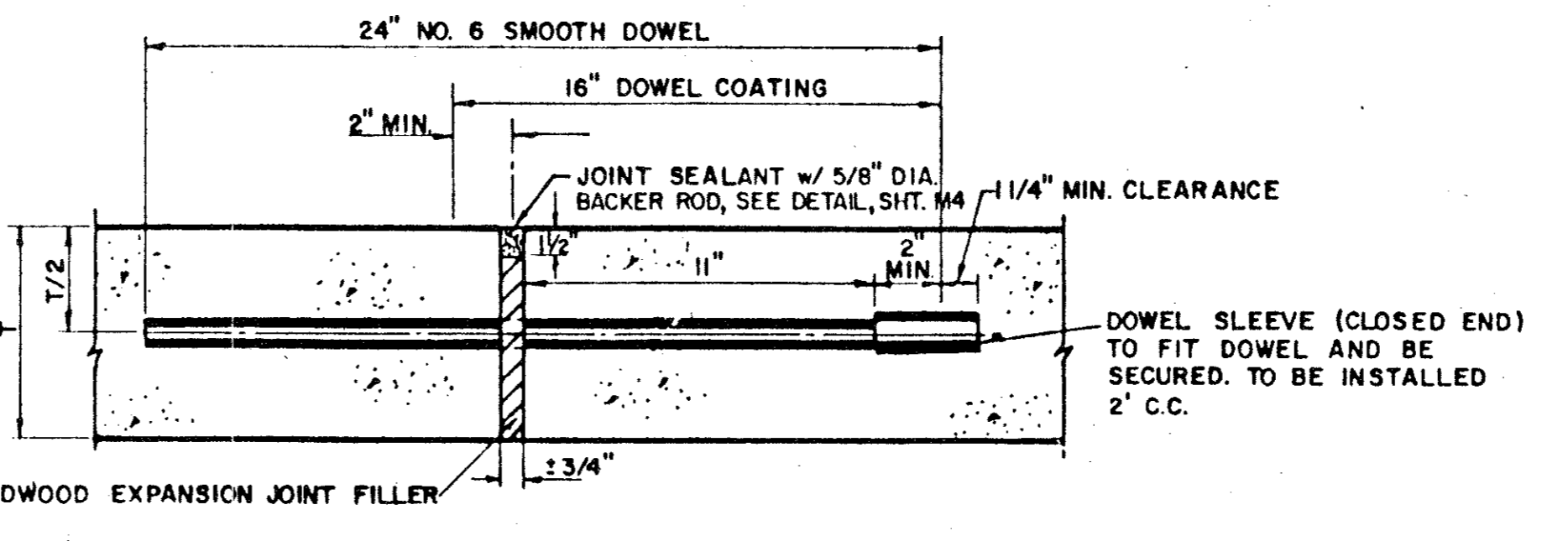


STANDARD BUTTON LAYOUT
APPROACH TO DIVIDED ROADWAY INTERSECTION

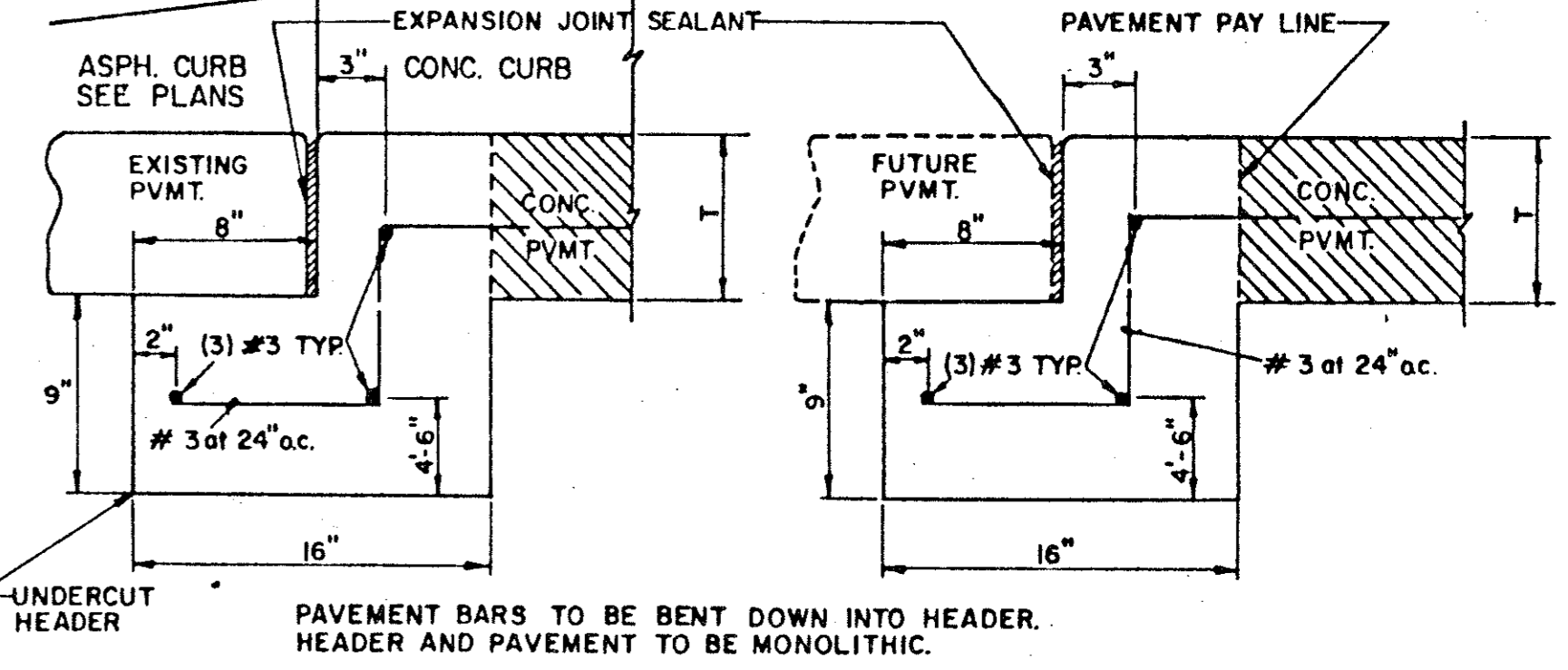
NOTE: STOP-BAR TO BE STAMARK 3M BRAND NO. N360

STANDARD BUTTON LAYOUT
TWO WAY UNDIVIDED ROADWAY w/ DOUBLE YELLOW CENTER LINE

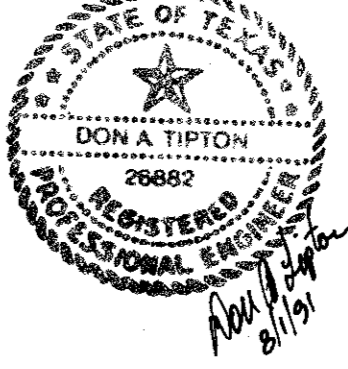
BUTTON DETAILS



TRANSVERSE EXPANSION JOINT
(SPACED 600 FT. MAXIMUM; LOCATE AT INTERSECTIONS)



STREET HEADER



TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

STANDARD CONSTRUCTION DETAILS PAVING

TURN LANES & JOINTS

Designed -	Drawn -	Date - JULY, 1991	Job No. -
Approved -	Checked -	Scale -	Sheet D-10 OF