

CONSTRUCTION PLANS

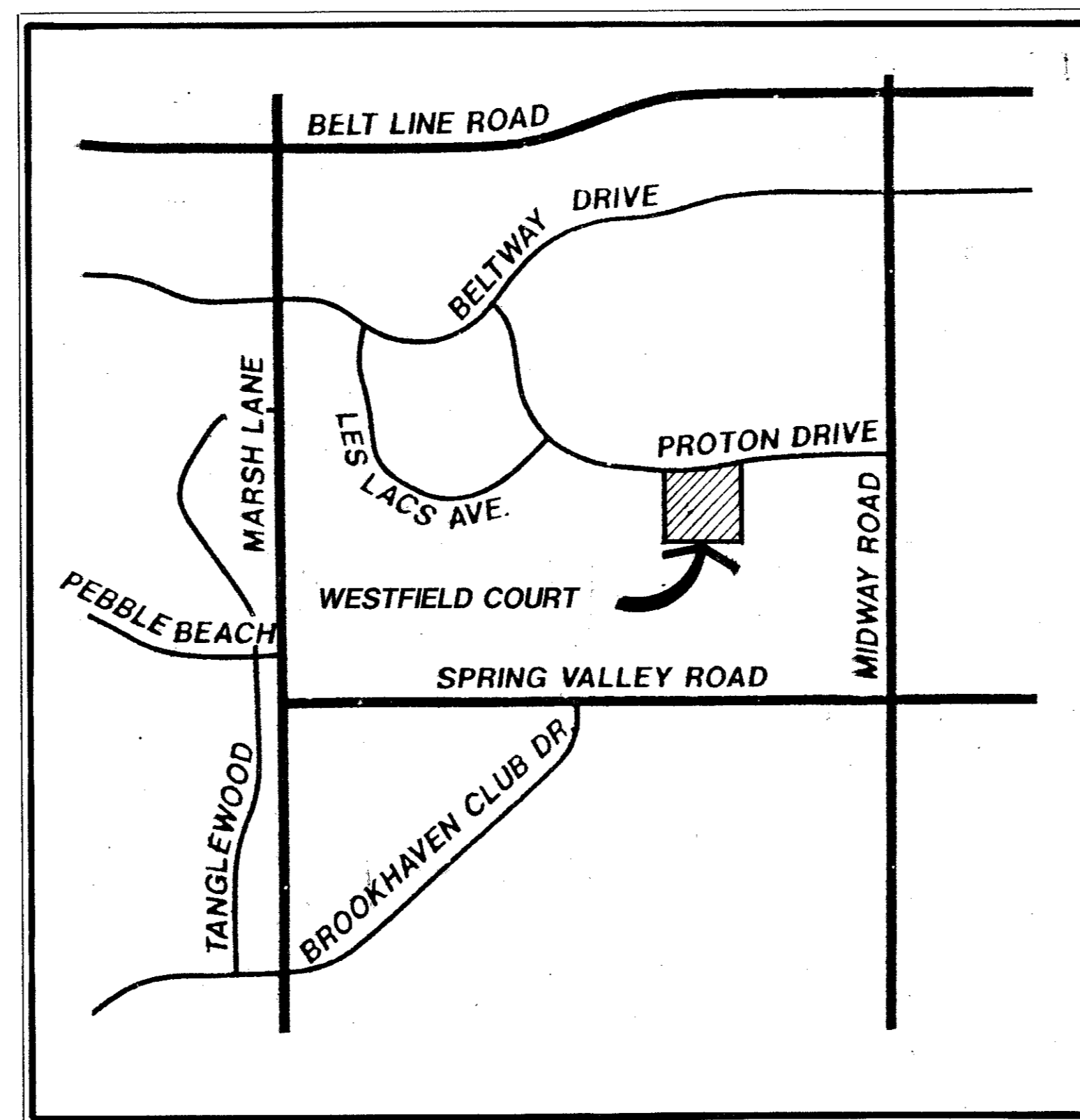
FOR

WESTFIELD COURT

TOWN OF ADDISON, TEXAS

GENERAL NOTES

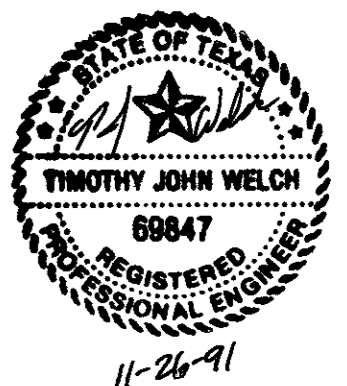
- A. Prior to final acceptance by the Town of Addison.
- 1) A Texas Registered Professional engineer shall certify that the project was constructed in accordance with the plans and specifications approved by the Town of Addison.
 - The owner shall provide 1 reproducible set of as-builts (sealed and certified by a Texas Registered Engineer) and 2 blue line sets.
 - 2) A five foot sidewalk shall be installed along Proton Drive and Les Leas Avenue. See attached detail.
 - 4) A one year maintenance bond is required for the internal subdivision infrastructure.
 - 5) 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
 - 4) Southwestern Bell
 - 5) Storer Cable
 - 6) Planned Cable Systems
 - 7) 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 of 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 as shown on the final plat and iron pins shall be placed at 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. An iron rod one-half 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 be not less than twelve (12) inches below the ground surface.
- F. The contractor shall stamp a 2-inch "S" in the curb at the location of the sewer service line.
- G. At intersections that have valley drainage, the crown of the intersecting streets will culminate in a distance of 40 feet from the intersecting curb line unless otherwise noted.
- H. Temporary or permanent street barricades shall remain at all points of ingress and egress to prevent public use until such street received final acceptance.
- I. Contractor shall obtain a right-of-way permit by the Town of Addison for working within the public right-of-way.
- J. 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.
- K. The contractor shall submit material sheets to the Town of Addison for approval prior to incorporating materials into the job.
- L. The utility contractor shall submit to the Town of Addison for approval a trench safety plan sealed by a registered professional engineer for the installation of utilities greater than five (5) feet in depth.



LOCATION MAP
NOT TO SCALE

SHEET NO.	DESCRIPTION
FP-1	FINAL PLAT
PAVING PLAN AND PROFILE	
P-1	PAVING PLAN AND PROFILE
P-2	PAVING PLAN AND PROFILE
WATER & SANITARY SEWER	
WS-1	WATER & SANITARY SEWER PLAN
WS-2	SANITARY SEWER PROFILES
DRAINAGE PLAN AND PROFILES	
DA-1	DRAINAGE AREA MAP
DR-1	DRAINAGE PLAN & PROFILE
GR-1	GRADING PLAN
CONSTRUCTION PLANS	
D-1 THRU D-10	CONSTRUCTION DETAILS

AS BUILT



ENGINEER

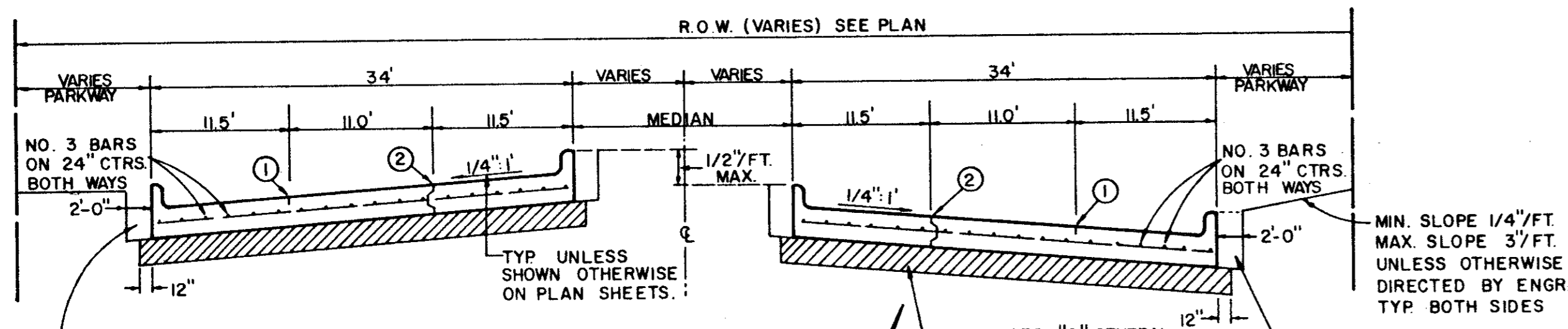
THE NELSON CORPORATION
5999 SUMMERSIDE DR., SUITE 202
DALLAS, TEXAS 75252
(214) 380-2605

APPLICANT

ARCADIA REALTY CORP.
415 W. WALL, SUITE 2018
MIDLAND, TEXAS 79702
(915) 683-3386

OWNER

WARWICK INVESTMENTS, INC.
2777 STEMMONS FREEWAY
DALLAS, TEXAS 75207
(214) 689-2206

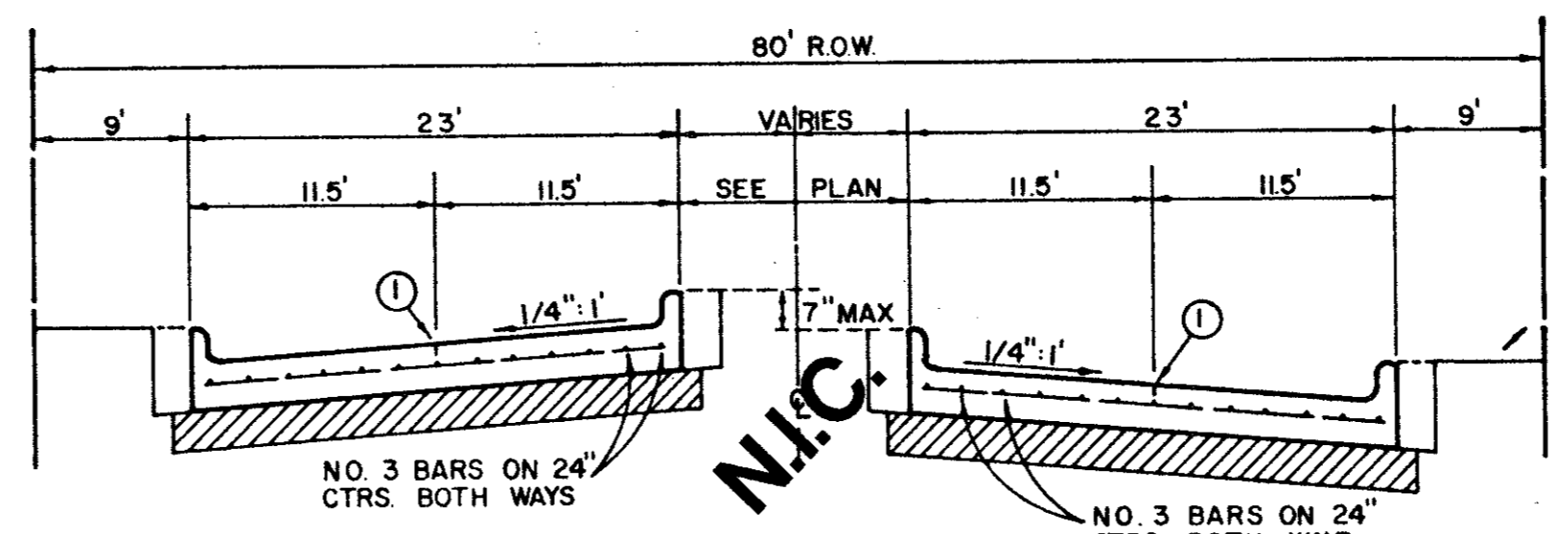


REGULAR SECTION

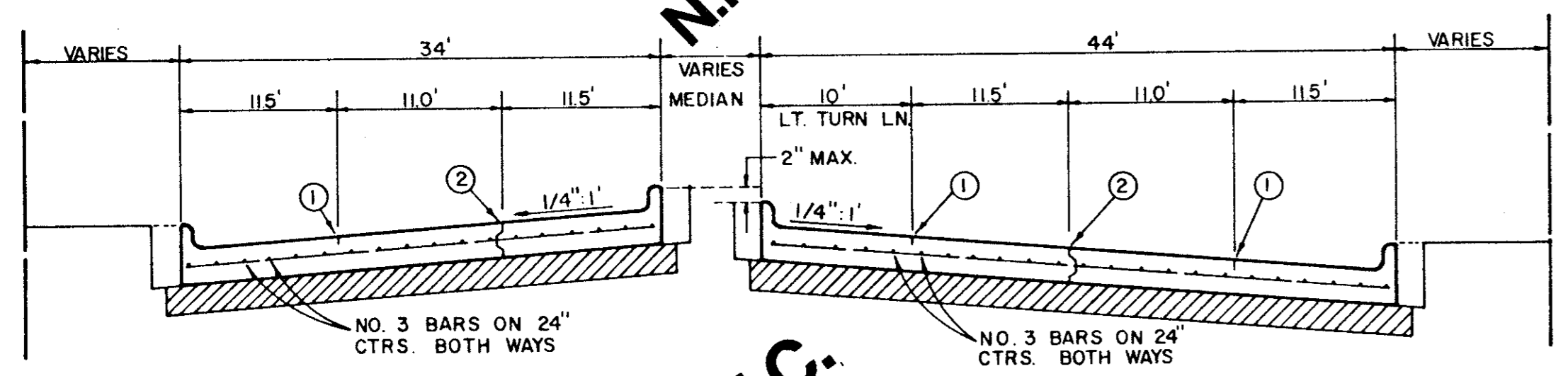
NOTE: BACKFILL NOT A SEPARATE PAY ITEM, INCIDENTAL TO CONST. MATERIAL ACQUIRED FROM EXCAVATION MAY BE USED IF APPROVED BY ENGR.

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

MIN. SLOPE 1/4\"/>

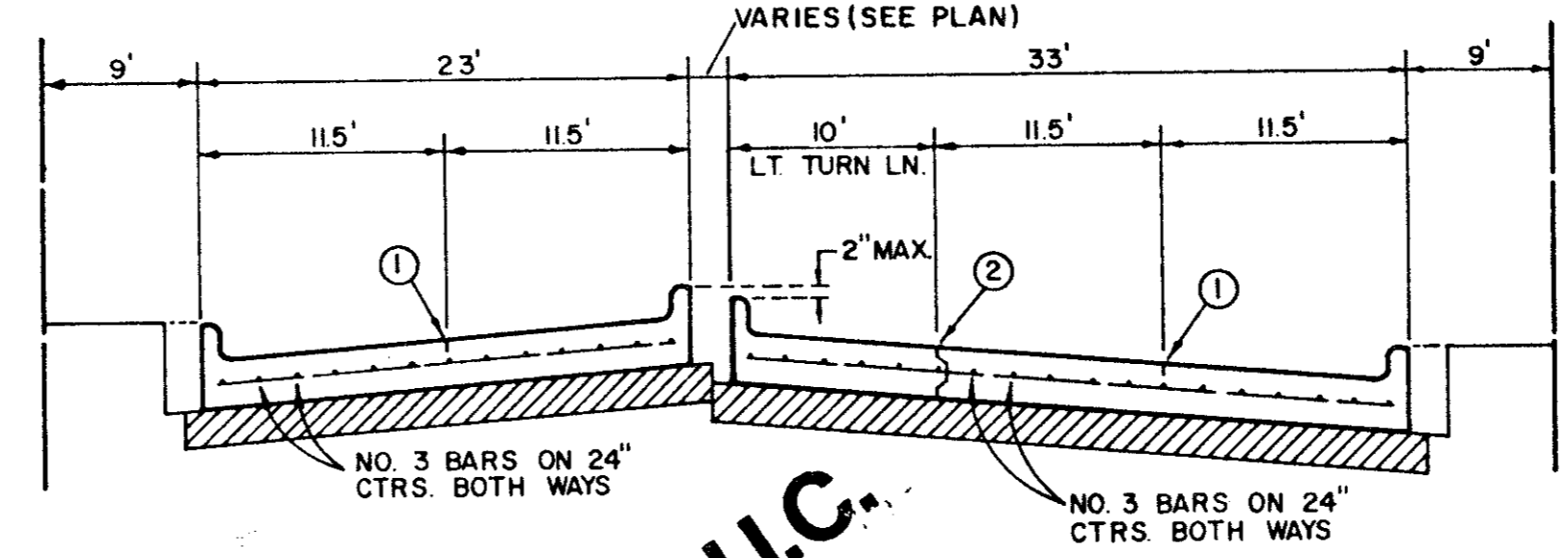


REGULAR SECTION



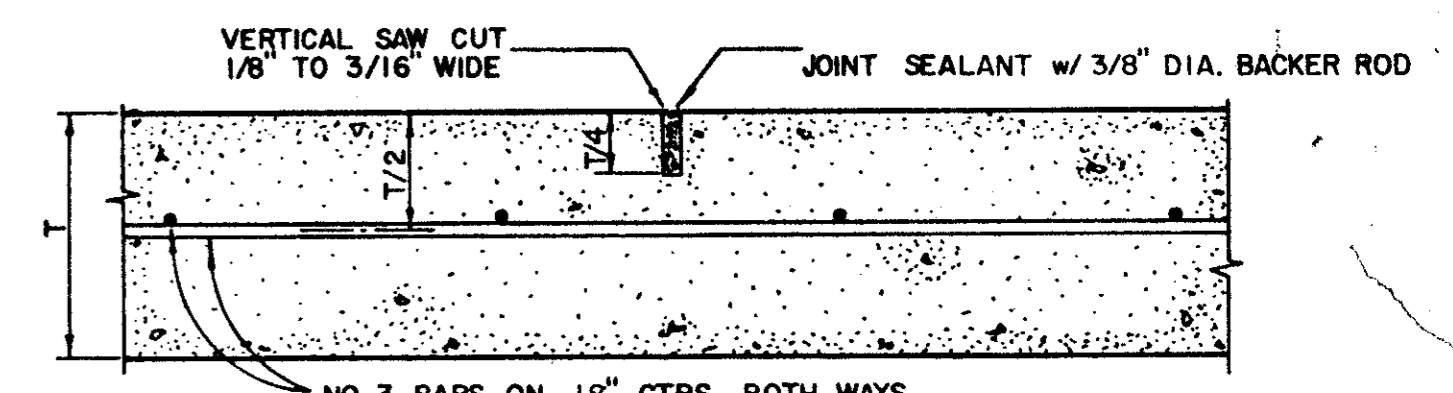
LEFT TURN SECTION

MAJOR ARTERIAL

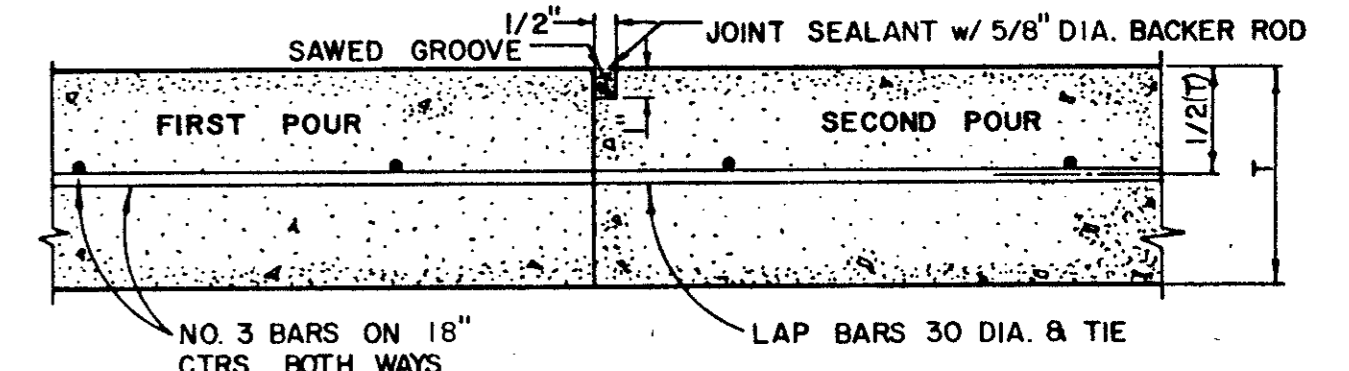


LEFT TURN SECTION

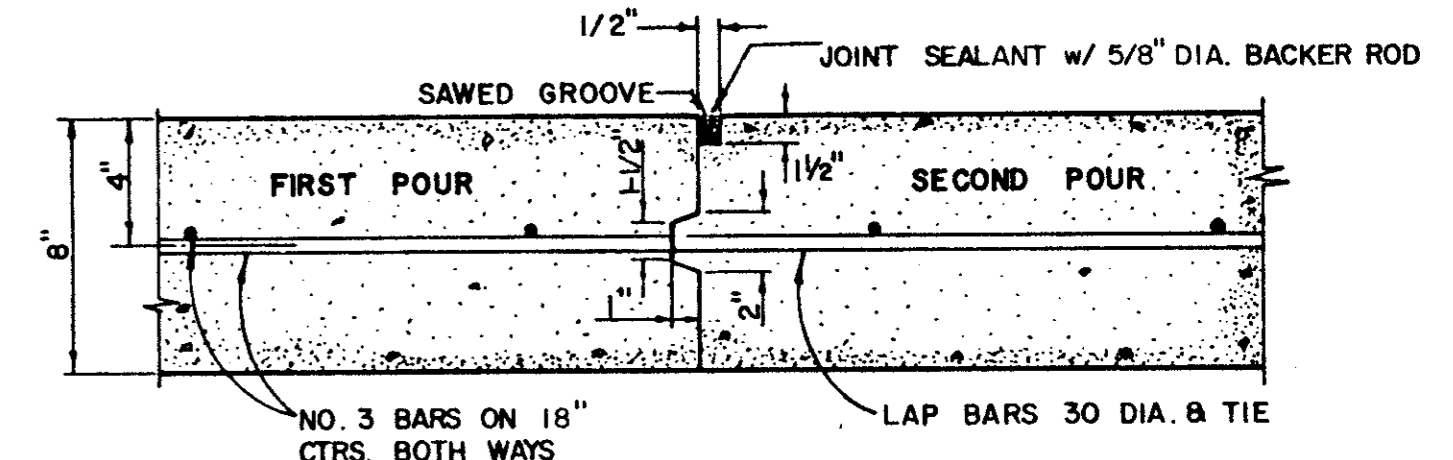
MINOR ARTERIAL



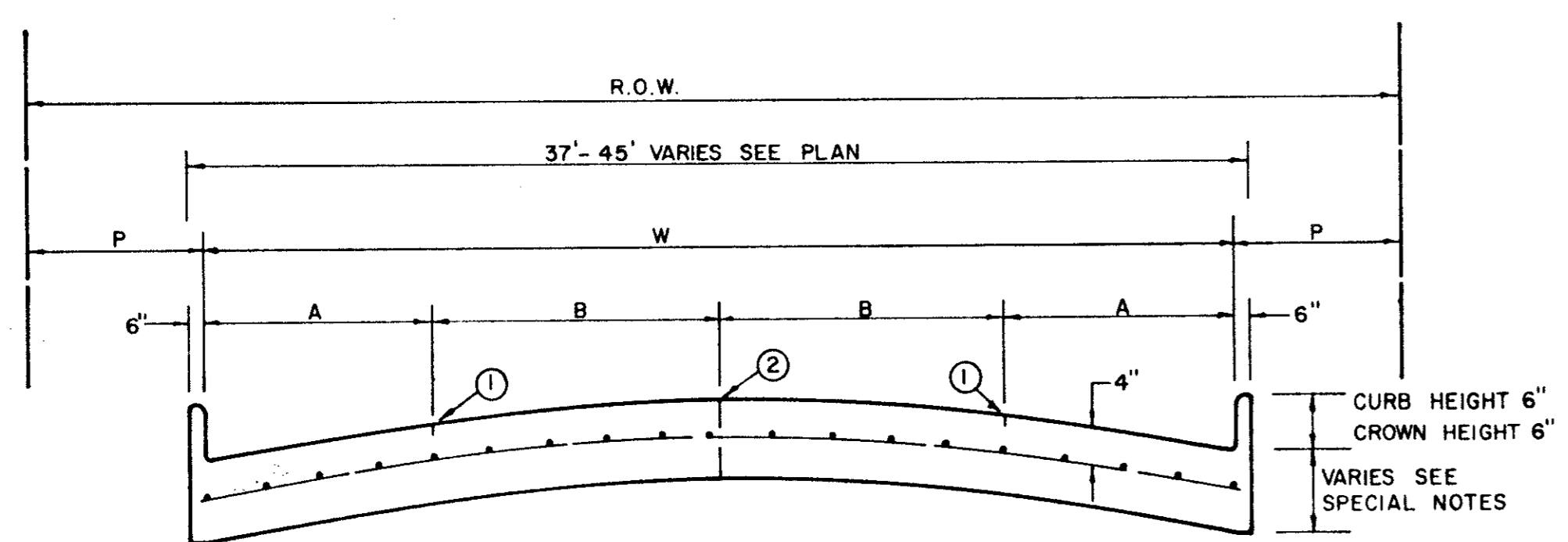
SAWED DUMMY JOINT



CONSTRUCTION JOINT FOR 6 INCH PAVEMENT



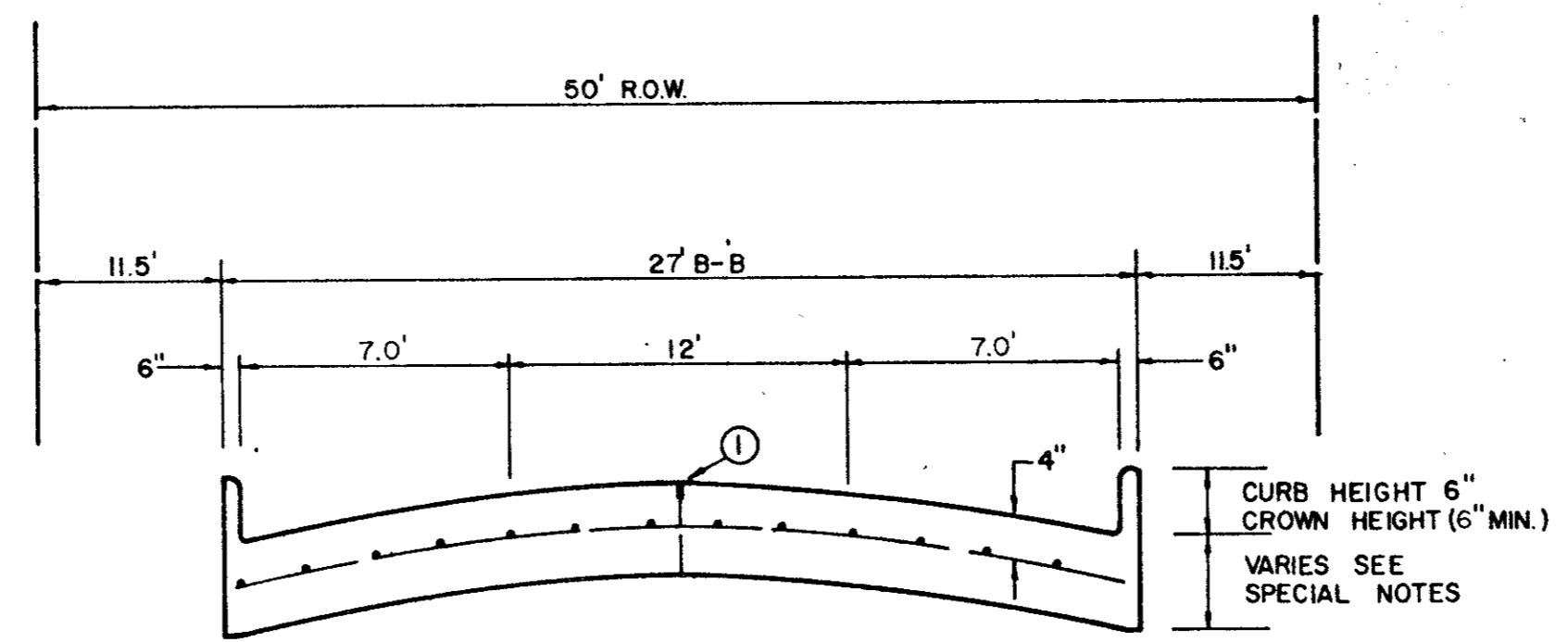
CONSTRUCTION JOINT FOR 8 INCH PAVEMENT



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



ONE MOVING LANE / TWO PARKING LANES

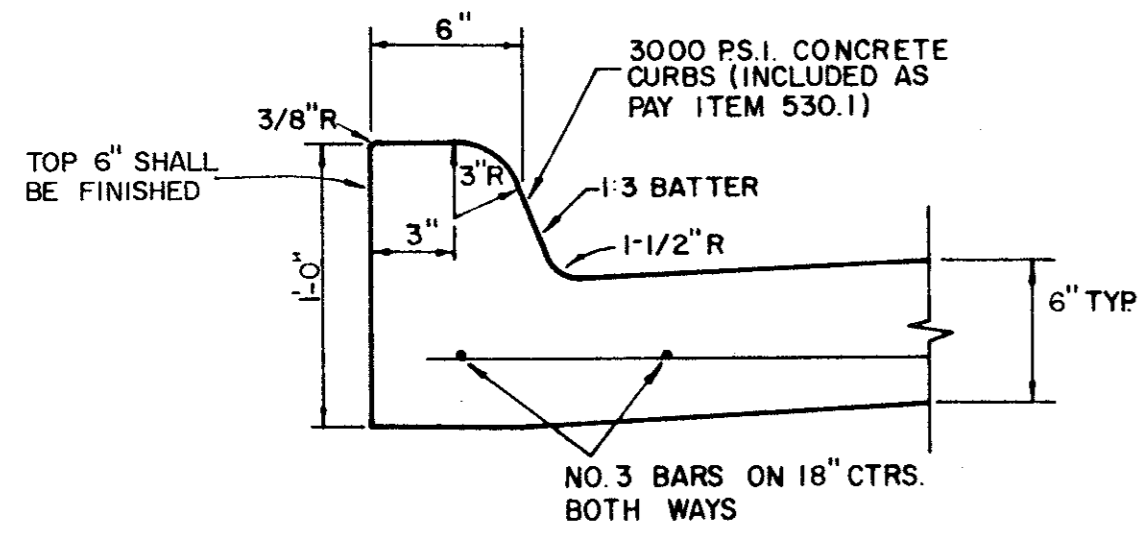
LOCAL STREET

GENERAL NOTES

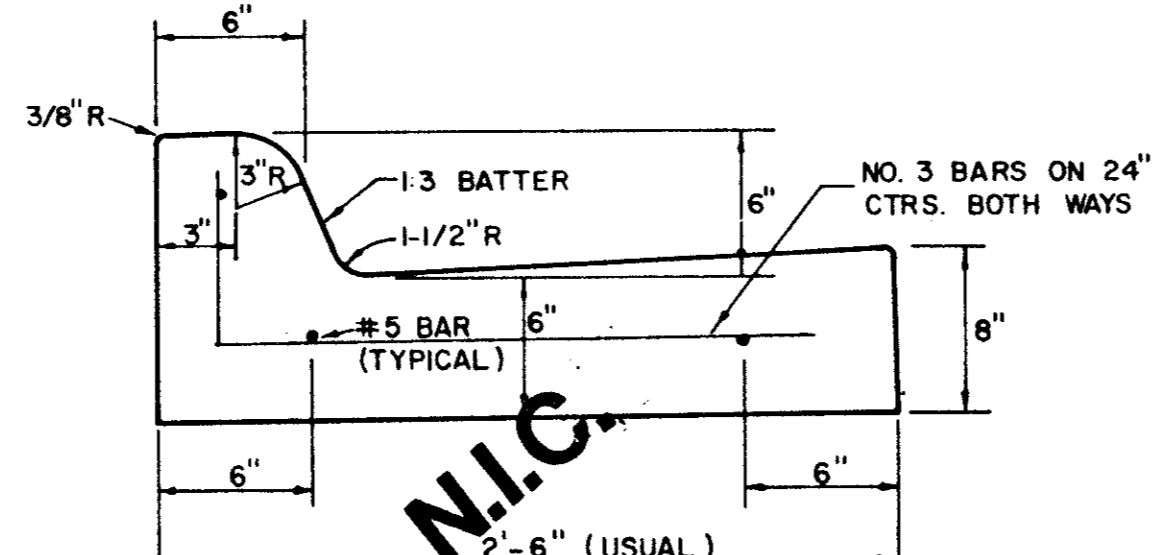
- A. GENERAL PAVEMENT THICKNESS FOR STREETS SHALL BE AS SPECIFIED BELOW IN SPECIAL NOTES.
- B. STANDARD SPECIFICATIONS REINFORCED CONCRETE PAVEMENTS
 - 1. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT
 - 2. CURBS SHALL MEET THE SAME COMPRESSIVE STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
 - 3. 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

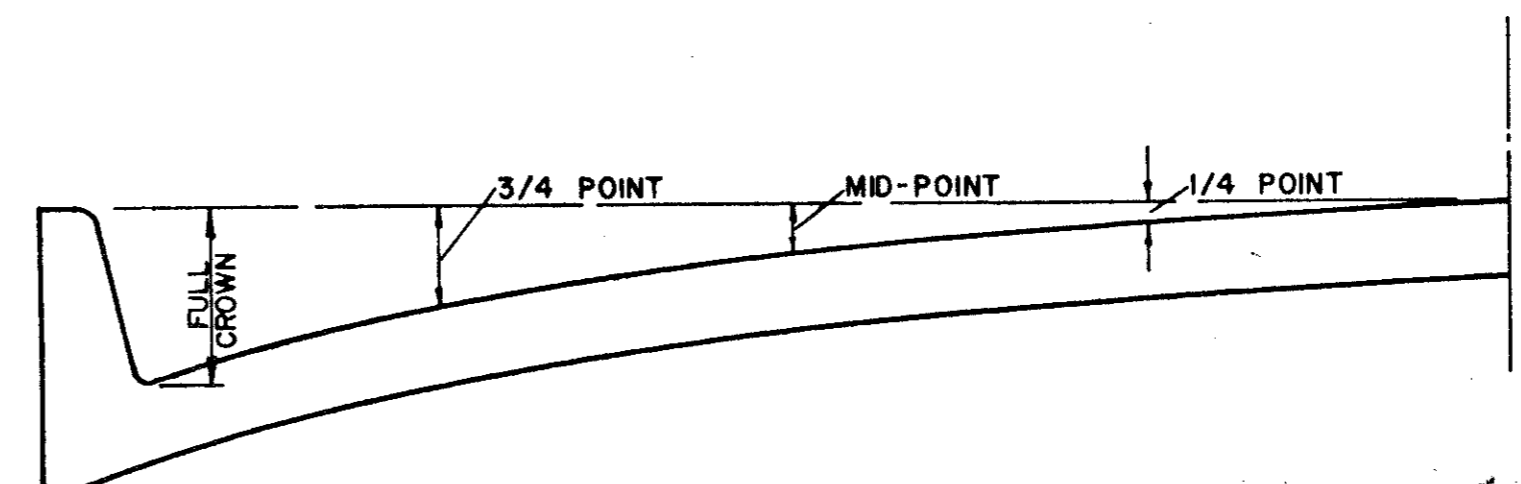
ALL REINFORCING BARS SHALL BE NO. 3 TRANSVERSE BARS TO BE SPACED ON 1'-6\"/>



STANDARD CURB

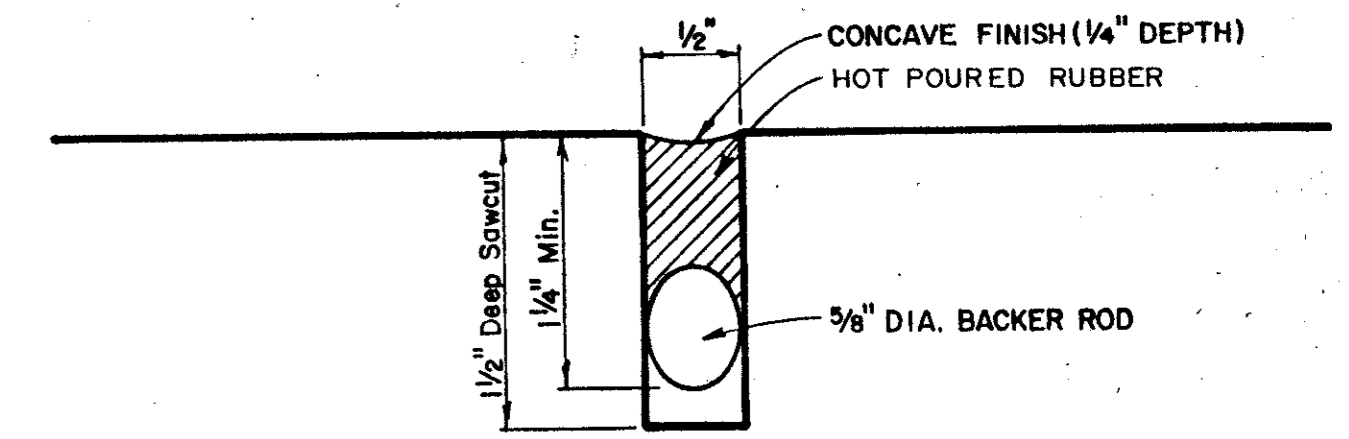


SEPARATE CURB AND GUTTER

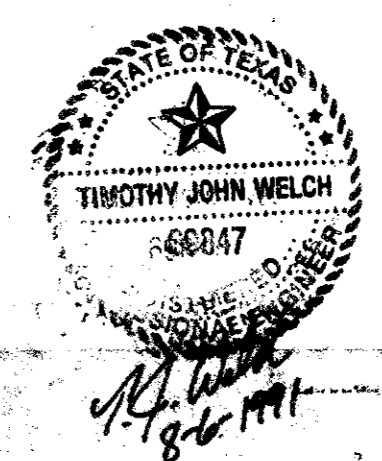


ROADWAY WIDTH (W)	TOTAL CROWN HEIGHT	3/4 POINT	MID-POINT	1/4 POINT
26'	6"	3 - 3/8"	1 - 1/2"	3/8"
36'	6"	3 - 3/8"	1 - 1/2"	3/8"
44'	6"	3 - 3/8"	1 - 1/2"	3/8"
48'	6"	3 - 3/8"	1 - 1/2"	3/8"

TABLE OF CROWN HEIGHTS AND ORDINATES FOR VARIOUS PARABOLIC SECTIONS



TYPICAL JOINT DETAIL AS BUILT

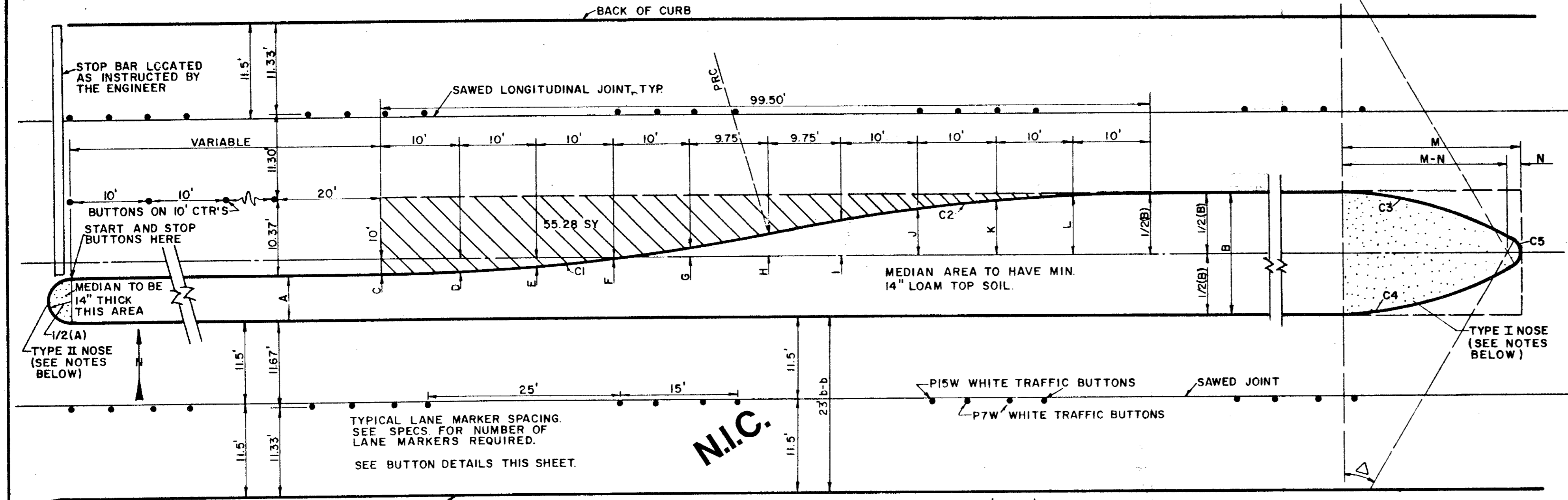


TOWN OF ADDISON, TEXAS
 DEPARTMENT OF ENGINEERING

STANDARD CONSTRUCTION DETAILS PAVING

STREET CROWNS & JOINTS

Designed - _____ Drawn - _____ Date - AUGUST, 1991 Job No. - 90025-3
 Approved - _____ Checked - _____ Scale - _____ Sheet D-1 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 B 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'	23.56'	1.00'
14	28°08'28"		12.76'	25.00'	24.56'	2.50'

CURVE DATA C2 FOR 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°08'28"		12.76'	25.00'
15	28°31'32"		13.31'	26.08'
16	28°45'51"		13.84'	27.16'
17	28°48'51"		14.35'	28.24'
18	28°48'58"		14.84'	29.32'
19	28°45'43"		15.31'	30.40'
20	28°35'30"		15.76'	31.48'
21	30°49'46"		16.19'	32.56'
22	32°01'26"		16.59'	33.64'
23	33°10'48"		16.96'	34.72'
24	34°18'05"		17.31'	35.80'

CURVE DATA C5 FOR 12' B = 24'

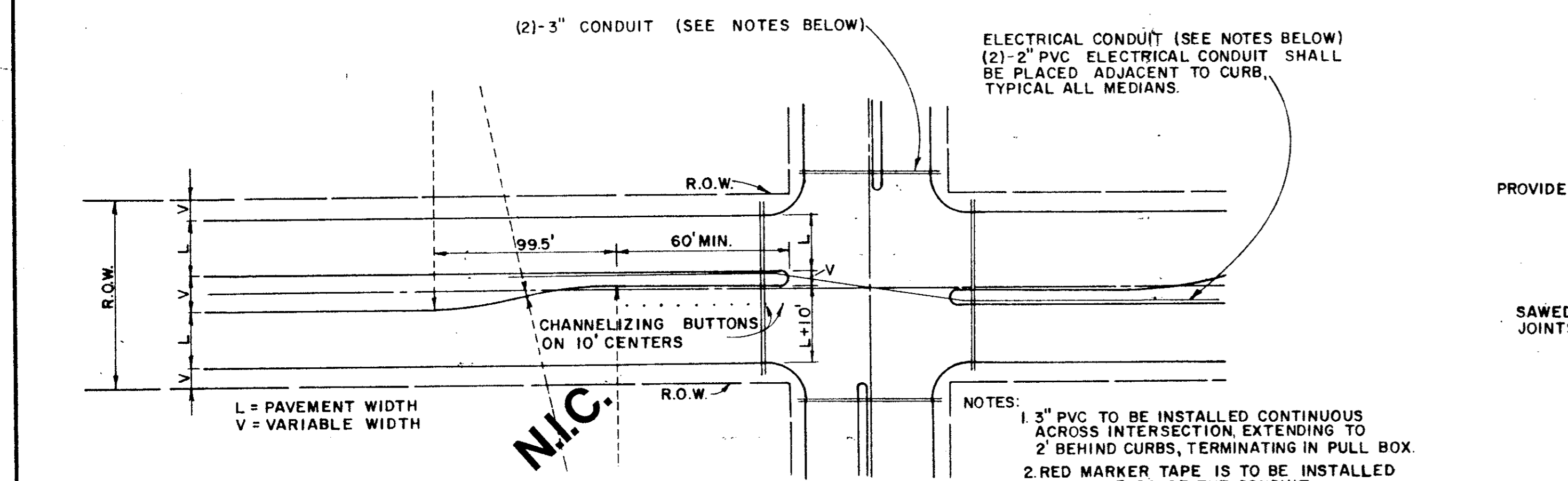
B	Δ	R	T	L
12	127°47'32"	1.00'	2.04'	2.23'
13	125°12'46"	1.00'	1.93'	2.19'
14	129°43'08"	2.50'	5.33'	5.66'
15	126°57'31"	2.50'	5.01'	5.54'
16	129°09'33"	3.50'	7.36'	7.89'
17	126°21'44"	3.50'	6.92'	7.72'
18	123°41'38"	3.50'	6.54'	7.56'
19	120°52'03"	3.50'	6.17'	7.38'
20	120°48'56"	4.00'	7.04'	8.43'
21	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"	1.00'	3.01'	2.50'
8	139°41'38"	1.00'	2.72'	2.44'
9	136°25'35"	1.00'	2.50'	2.38'
10	133°22'36"	1.00'	2.32'	2.33'
11	130°30'20"	1.00'	2.17'	2.28'
12	127°47'32"	1.00'	2.04'	2.23'
13	125°12'46"	1.00'	1.93'	2.19'
14	123°08'08"	2.50'	5.33'	5.66'

LEFT TURN LANE (AS APPLICABLE)

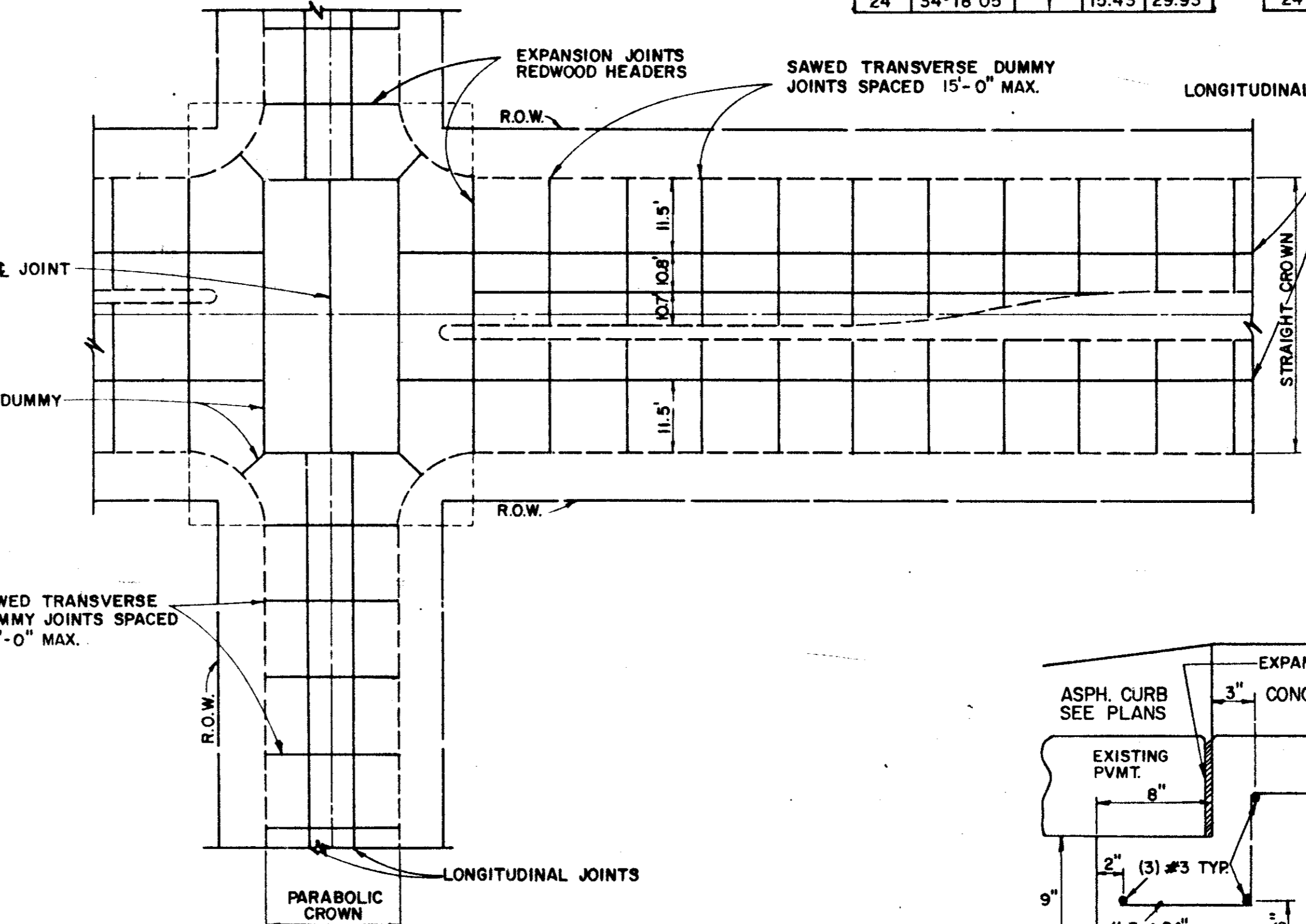
- NOTES: 1) FOR 2' A = 7' USE TYPE II NOSE
2) FOR 7' A = 14' USE TYPE I NOSE
3) FOR 12' B = 24' USE TYPE I NOSE



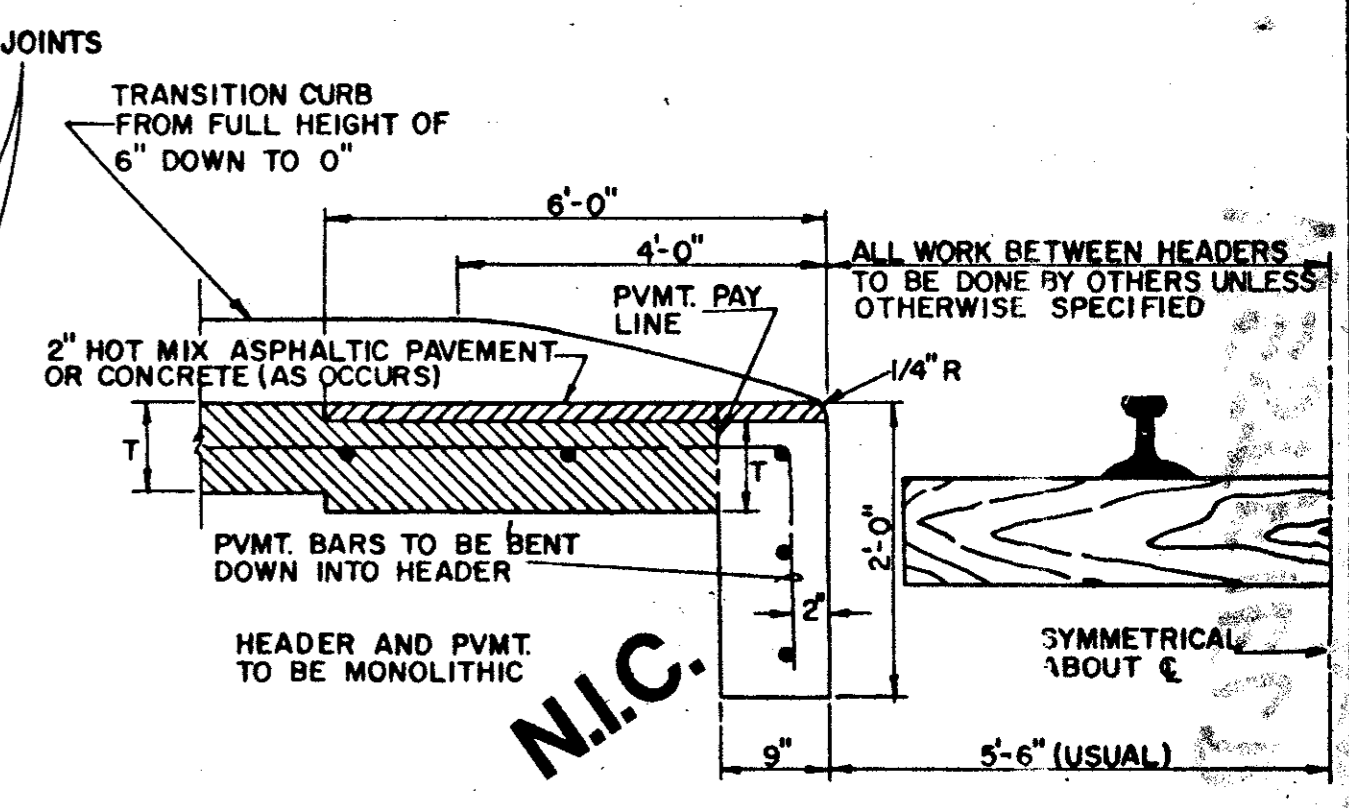
CONDUIT

FOR EXACT LOCATIONS, THIS PROJECT-SEE PLANS

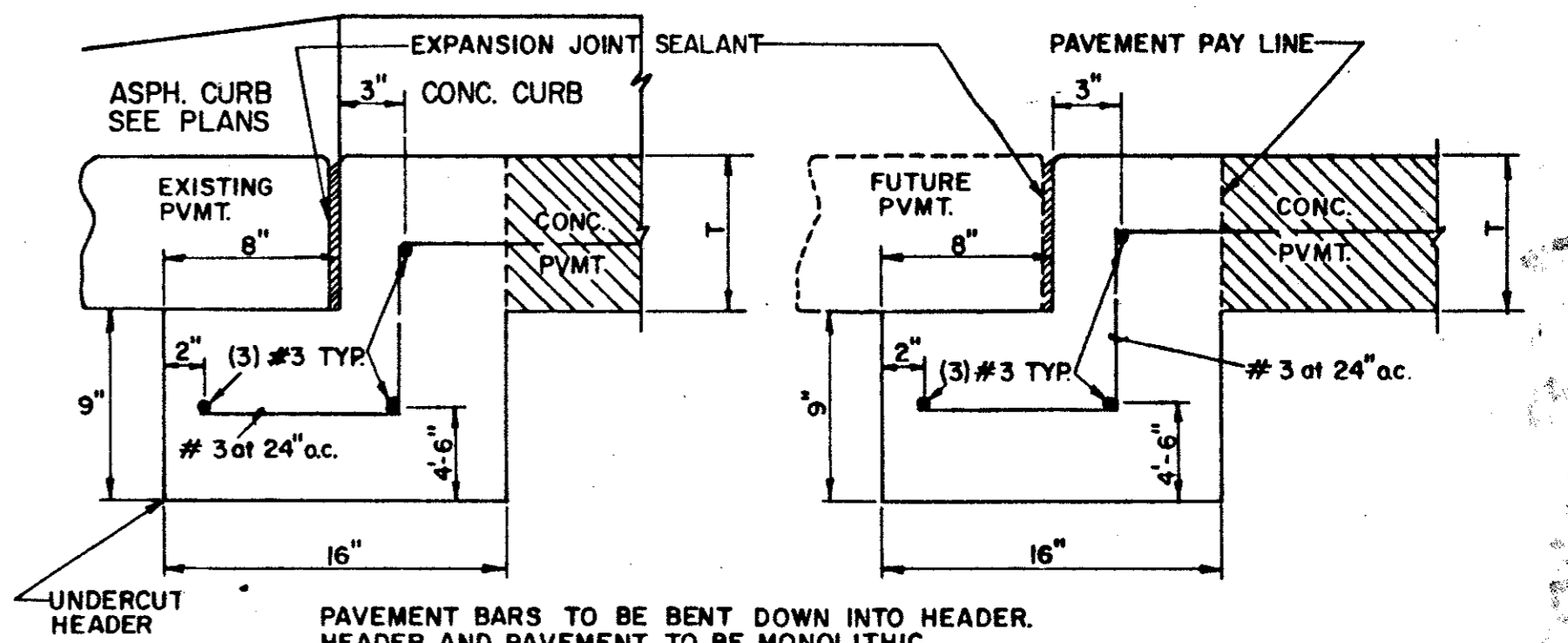
- NOTES:
- 3" PVC TO BE INSTALLED CONTINUOUS ACROSS INTERSECTION, EXTENDING TO 2' BEHIND CURBS, TERMINATING IN PULL BOX.
 - RED MARKER TAPE IS TO BE INSTALLED ON THE ENDS OF THE CONDUIT.
 - THE EXACT LOCATIONS WHERE THE CONDUIT CROSSES UNDER THE PAVING ARE TO BE CHISELED WITH AN "X" AND PAINTED WITH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



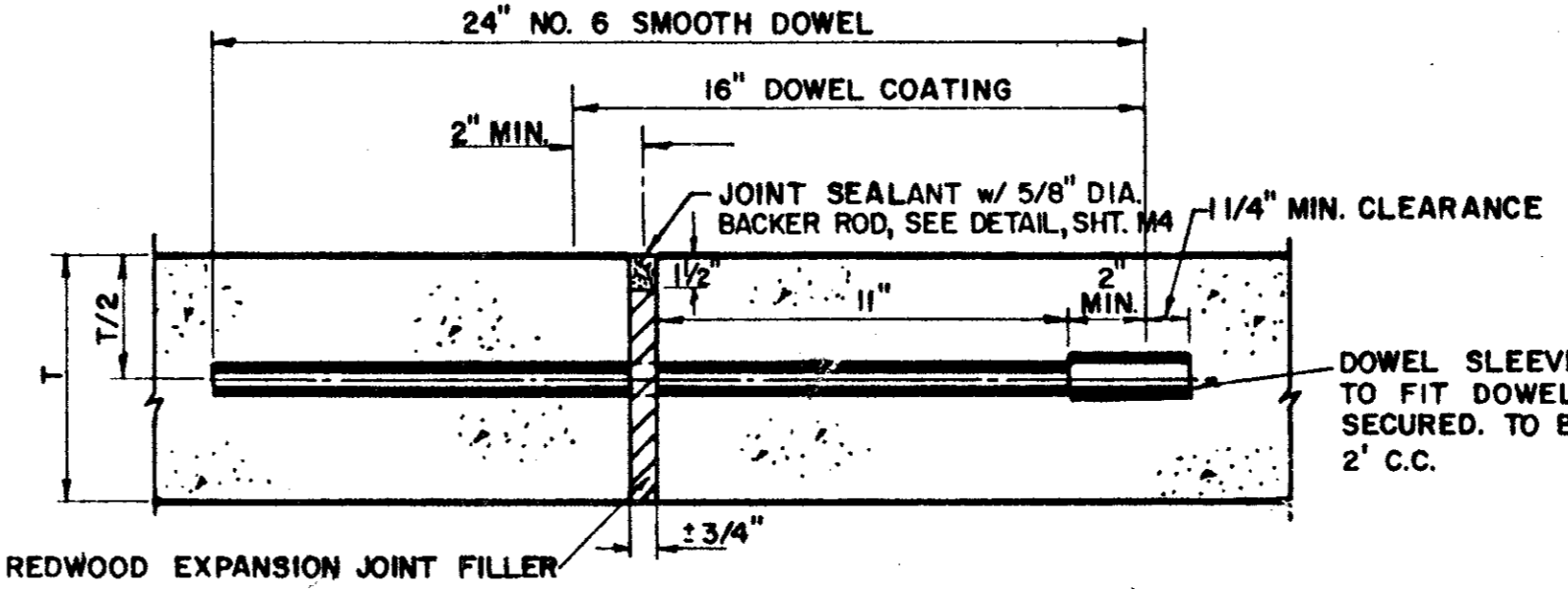
SPACING DIAGRAM FOR TRANSVERSE JOINTS



RAIL HEADER

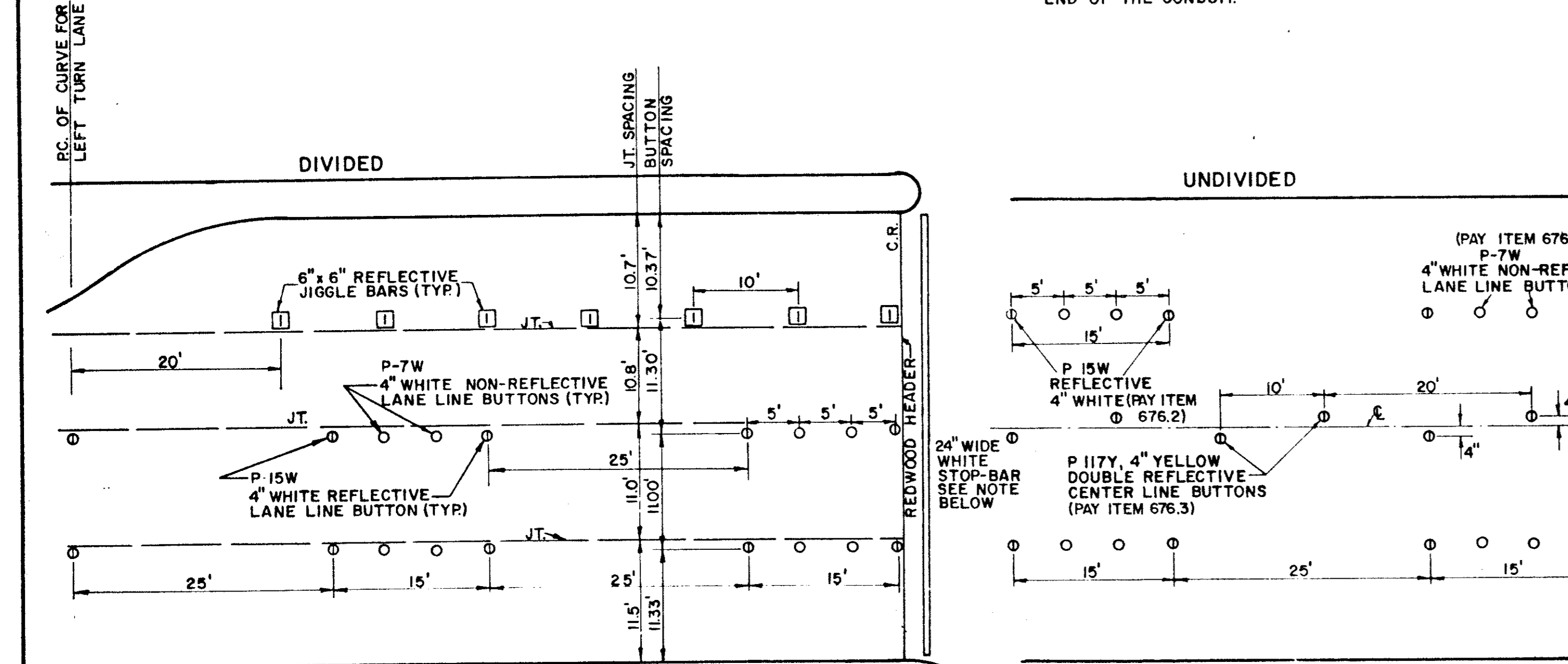


STREET HEADER



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

NOTE: DOWELS AND REINFORCING BARS SHALL BE SUPPORTED BY AN APPROVED DEVICE.



BUTTON DETAILS

STANDARD BUTTON LAYOUT APPROACH TO DIVIDED ROADWAY INTERSECTION

NOTE: BUTTONS TO BE INSTALLED OFF OF JOINTS, WITH MACHINE IMPLEMENTED 2 PART COMPONENT EPOXY

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

TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

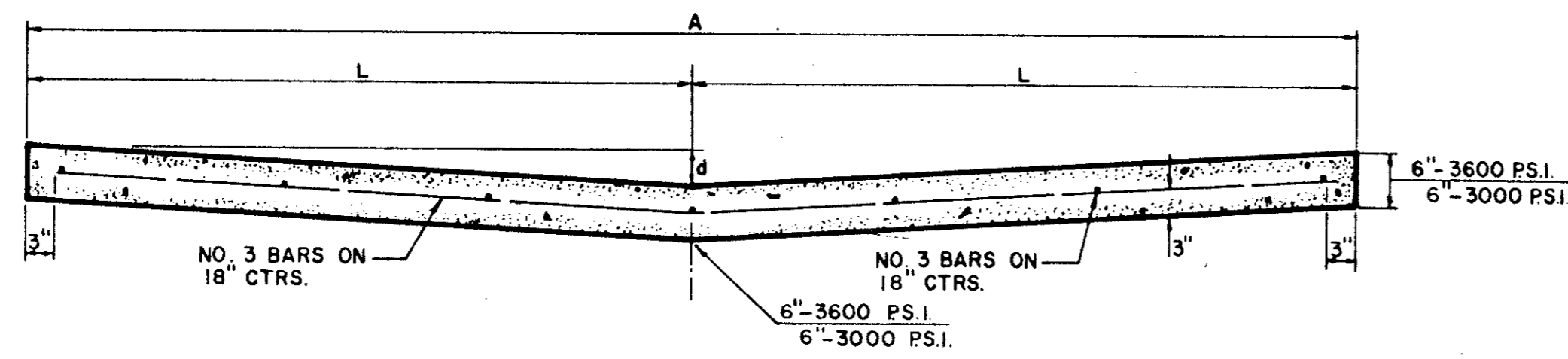
STANDARD CONSTRUCTION DETAILS PAVING

TURN LANES & JOINTS

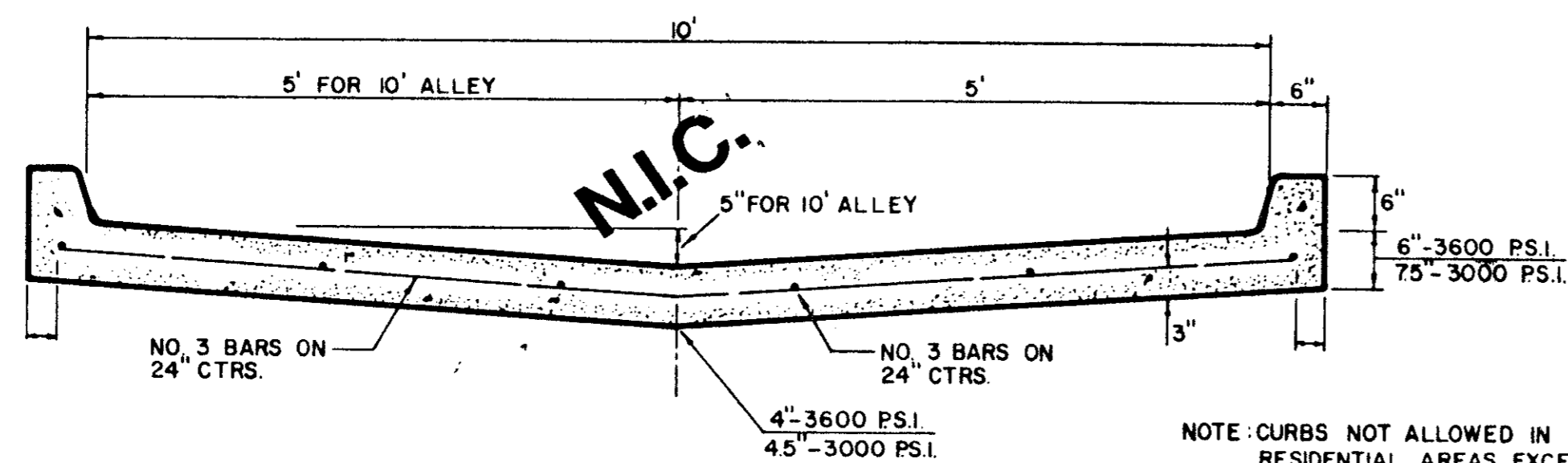
Designed - _____ Drawn - _____ Date - JULY, 1991 Job No. - 90025-3
Approved - _____ Checked - _____ Scale - _____ Sheet D-10 of _____



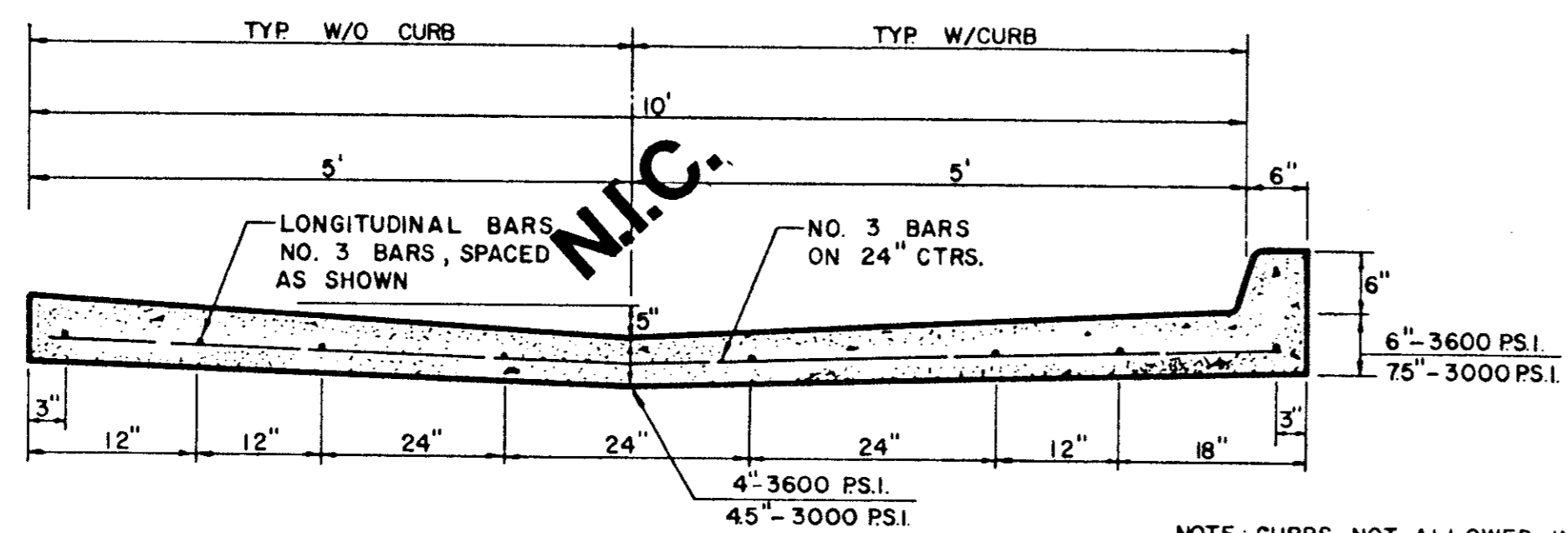
ALLEY WIDTH (A)	HALF SECTION WIDTH (L)	INVERT DEPTH (d)
10'	5'	4"
12'	6'	6"
16'	8'	6"
20'	10'	6"



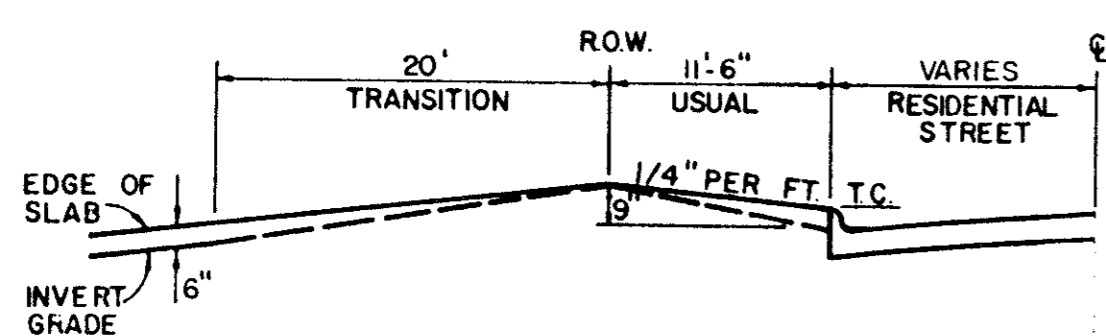
STANDARD 10', 12', 16', & 20' ALLEY SECTION



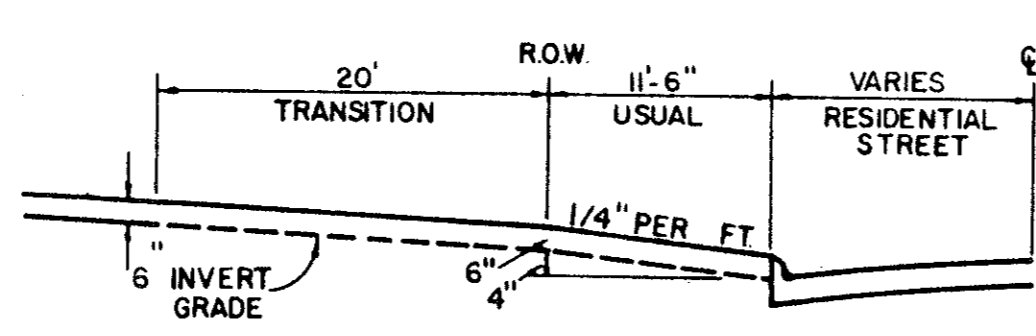
STANDARD ALLEY SECTION WITH CURBS



ALTERNATE 10' ALLEY SECTION / CURB

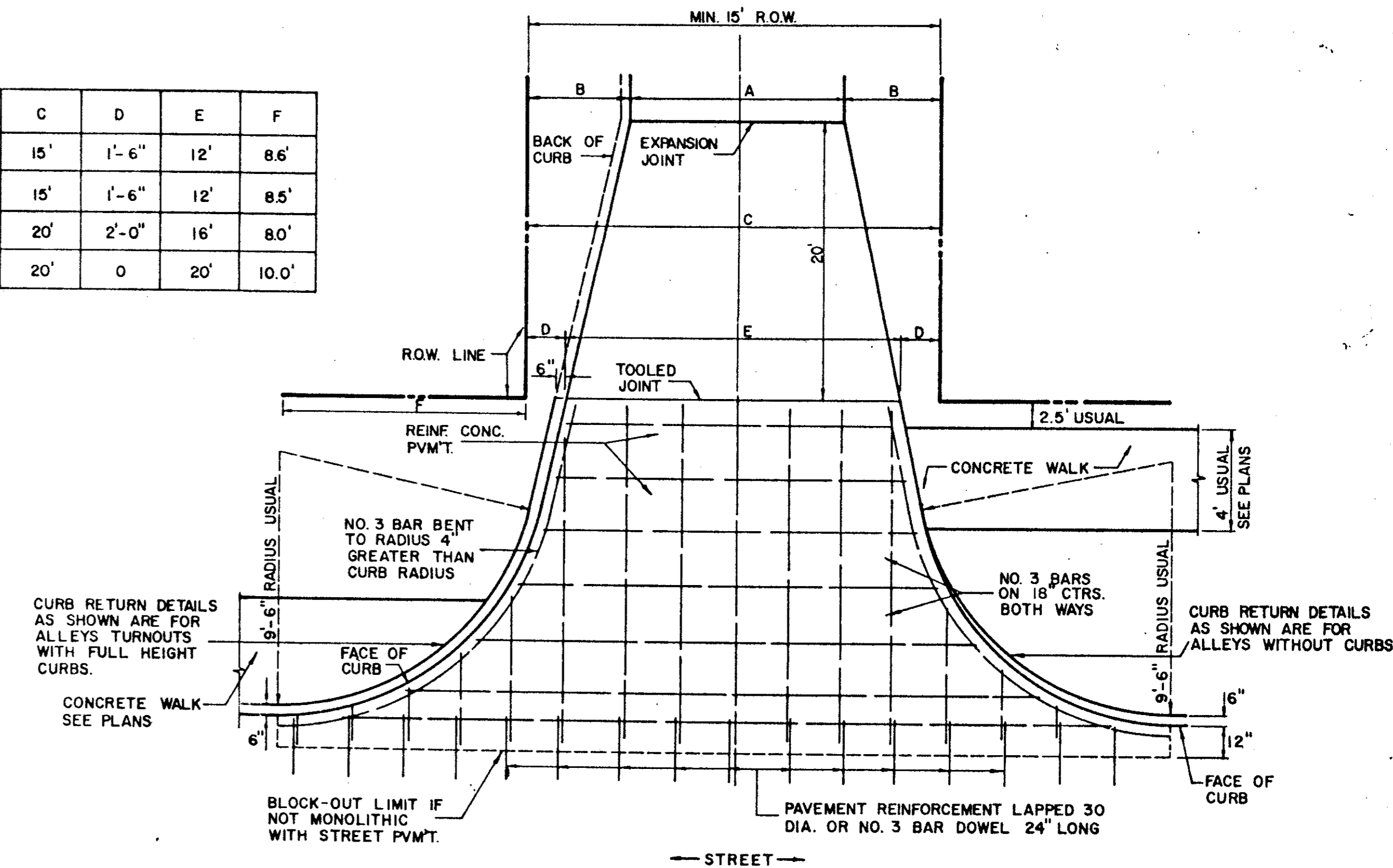


TYPE I ALLEY ENTRANCE



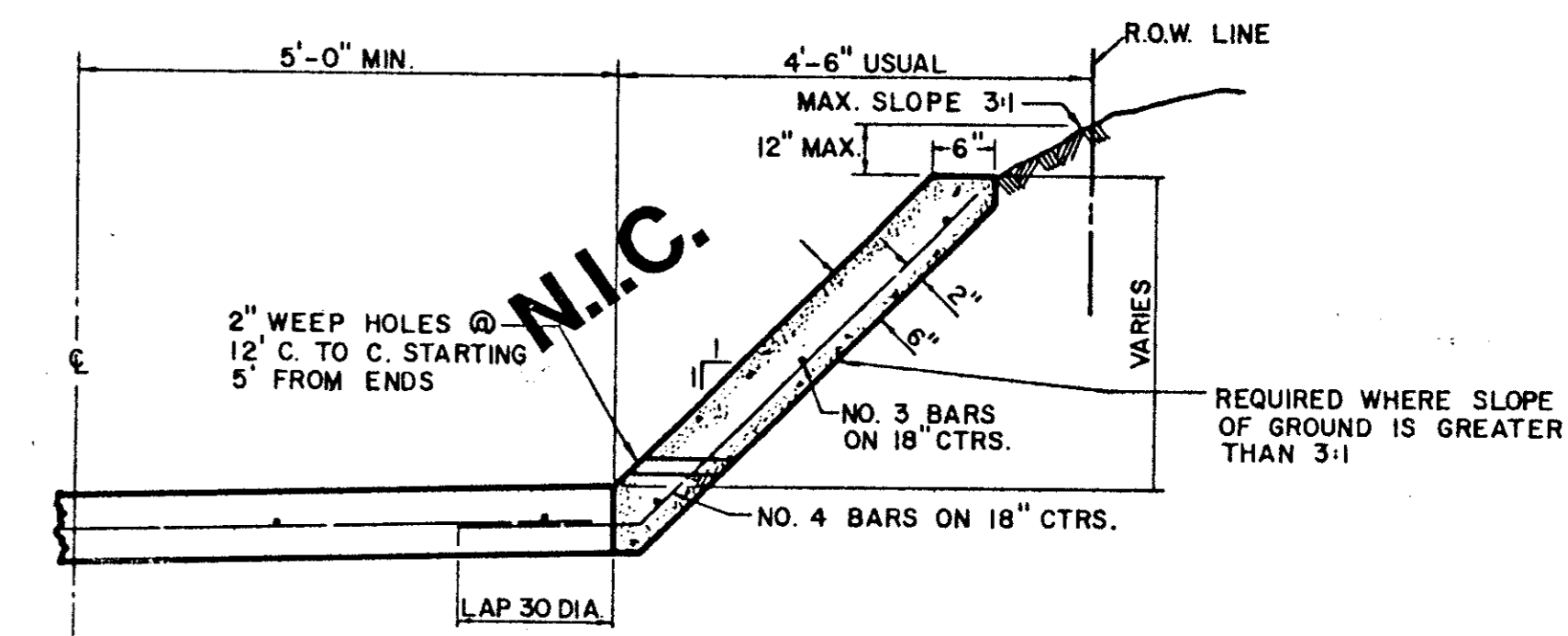
TYPE II ALLEY ENTRANCE

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'

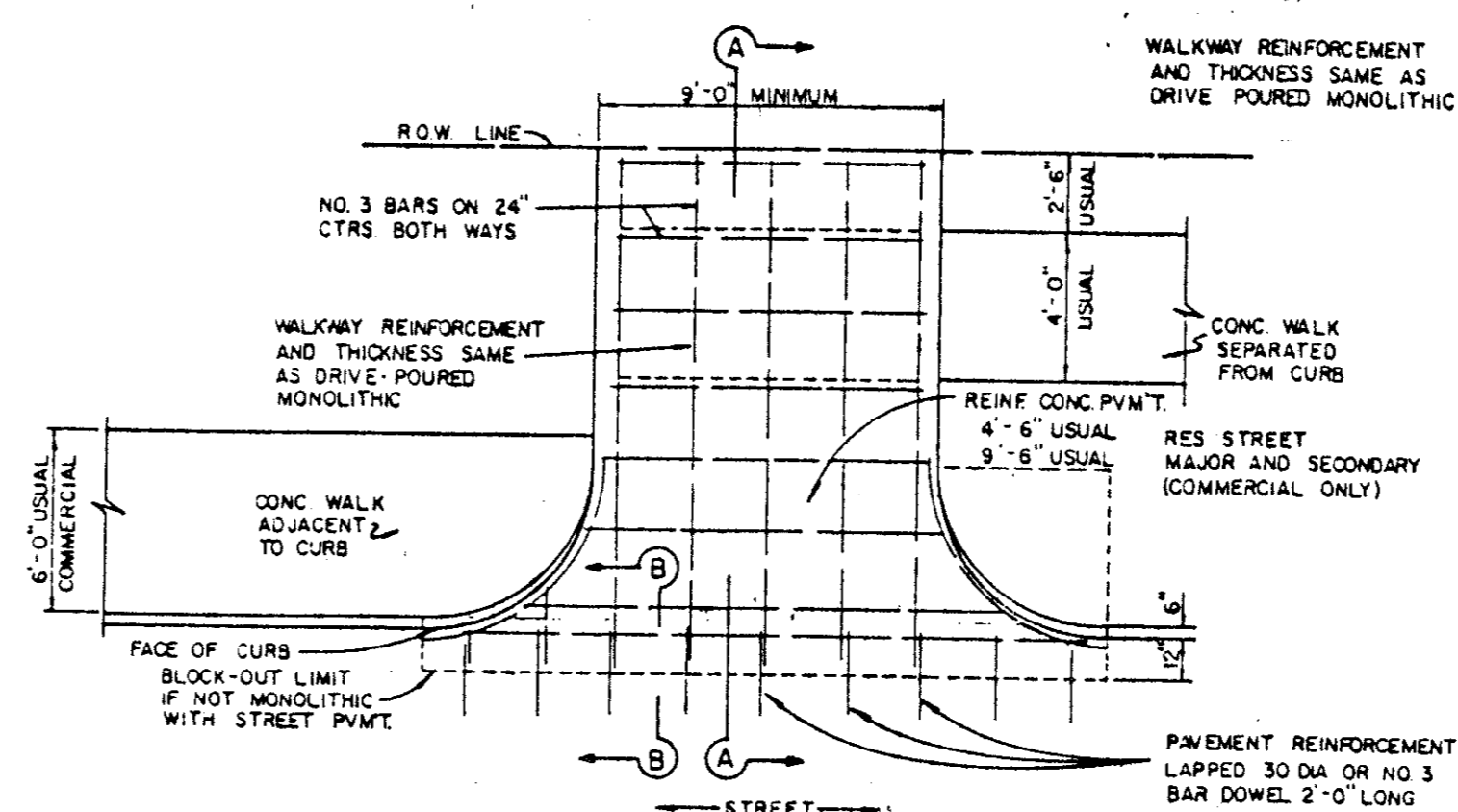


ALLEY RETURN DETAILS

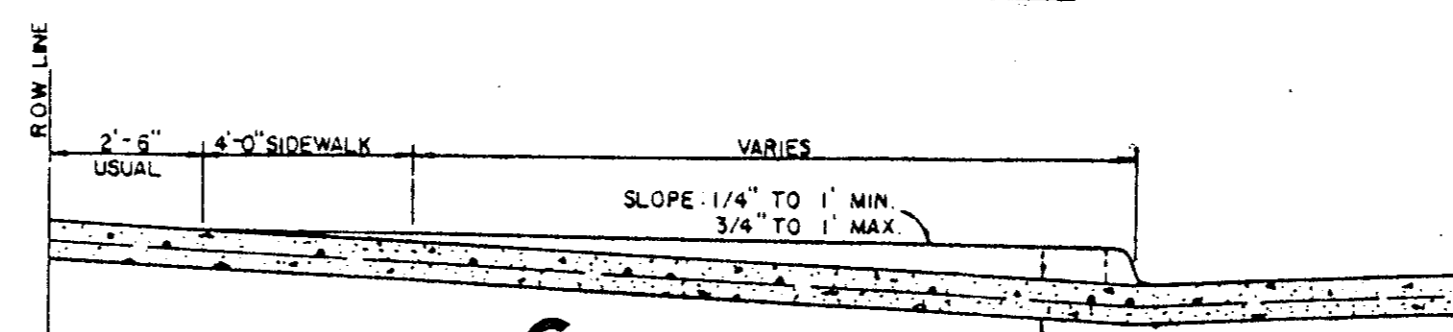
FOR DETAILS ONLY-SEE PLAN FOR DIMENSIONS



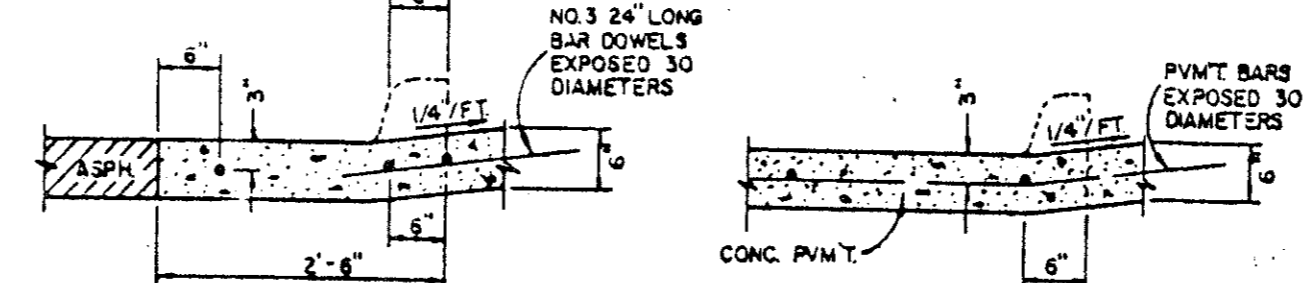
ALLEY SLOPE PROTECTION



DRIVEWAY RETURN TO STREET



SECTION A-A



SECTION B-B
DRIVEWAY RETURN DETAILS

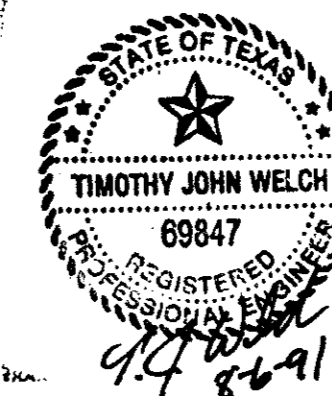
GENERAL NOTES FOR ALLEYS AND DRIVEWAYS

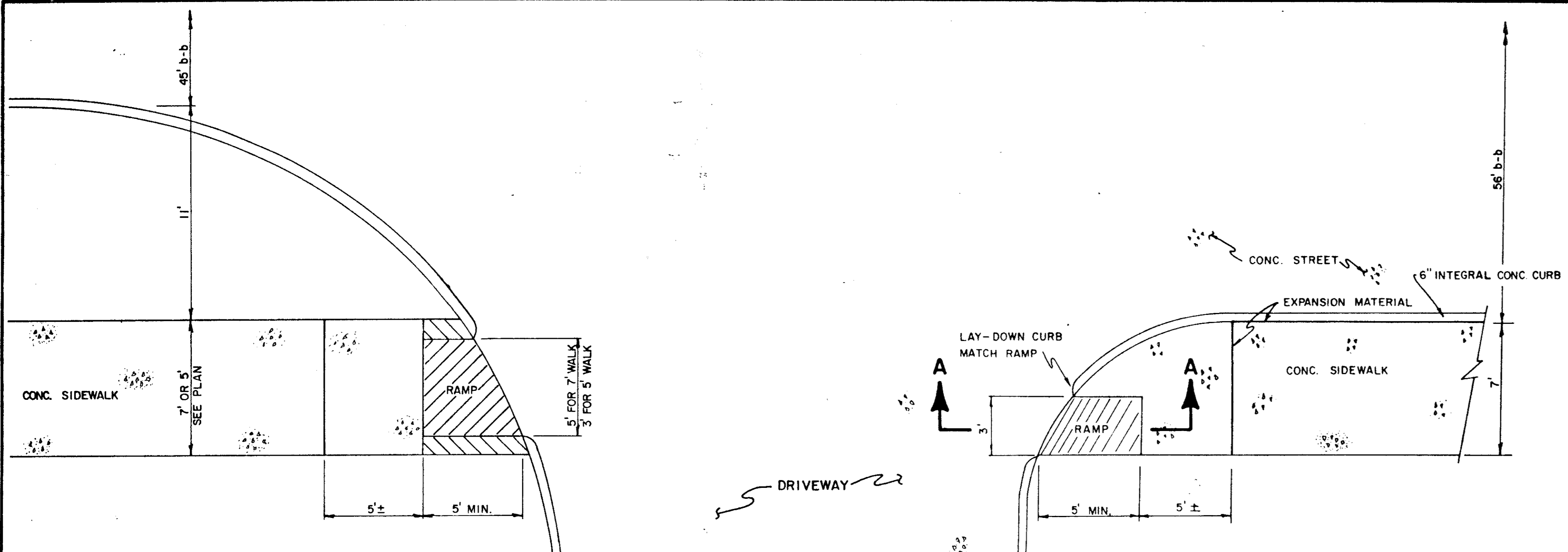
1. CONCRETE FOR ALLEY RETURNS AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS IDENTICAL TO THAT SPECIFIED FOR THE STREET PAVEMENT OR BASE WHEN BUILT AS COMPONENTS OF A CONCRETE PAVING PROJECT WHEN BUILT SEPARATELY, THE STRENGTH SHALL BE AS SPECIFIED ON THE CONSTRUCTION PLANS.
2. CONCRETE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

AS BUILT

TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING
STANDARD CONSTRUCTION DETAILS
PAVING
ALLEY & DRIVEWAY RETURNS

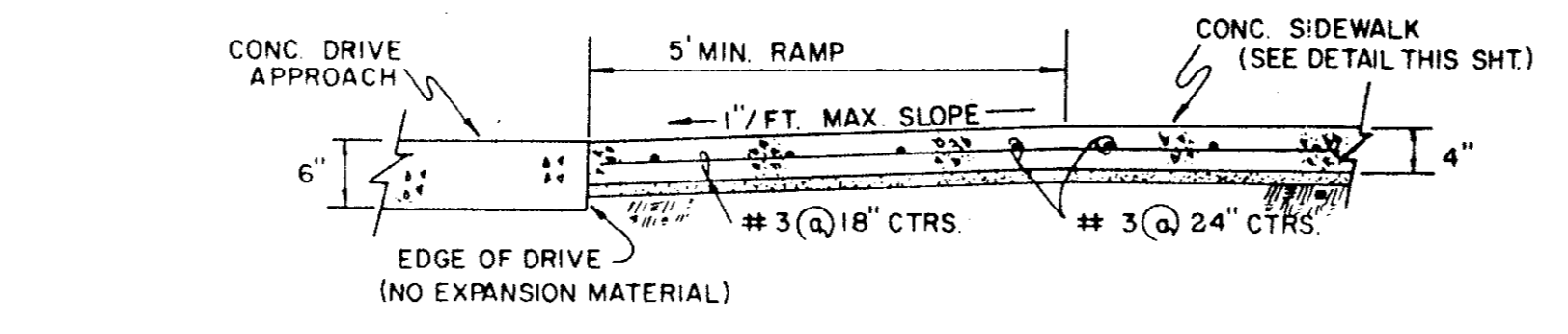
Designed -	Drawn -	Date - AUGUST, 1991	Job No. - 90825-3
Approved -	Checked -	Scale -	Sheet D-2 Of



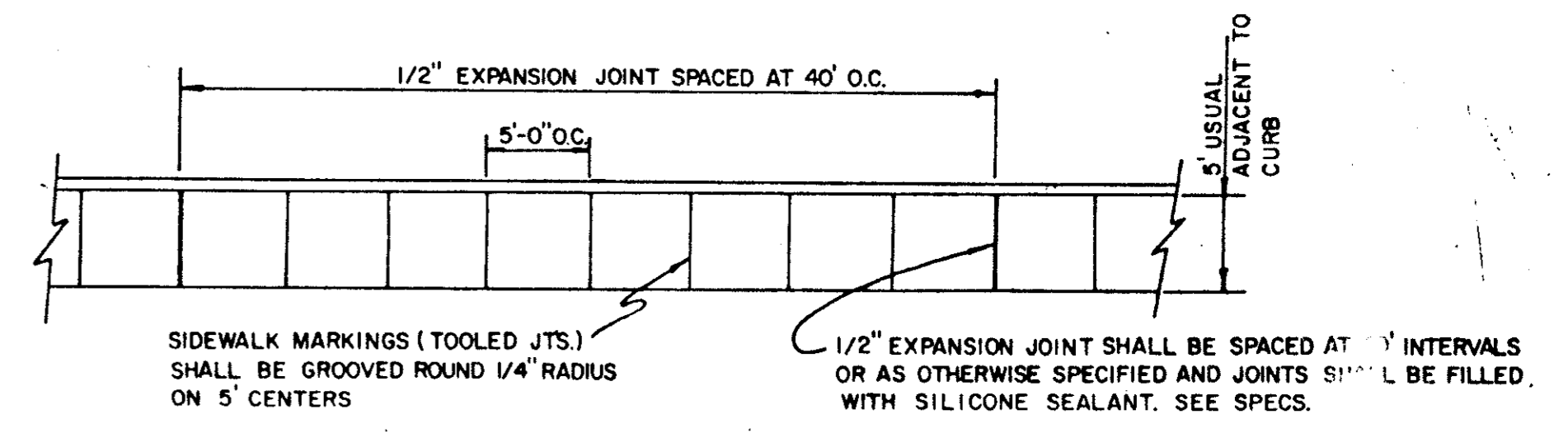


PLAN

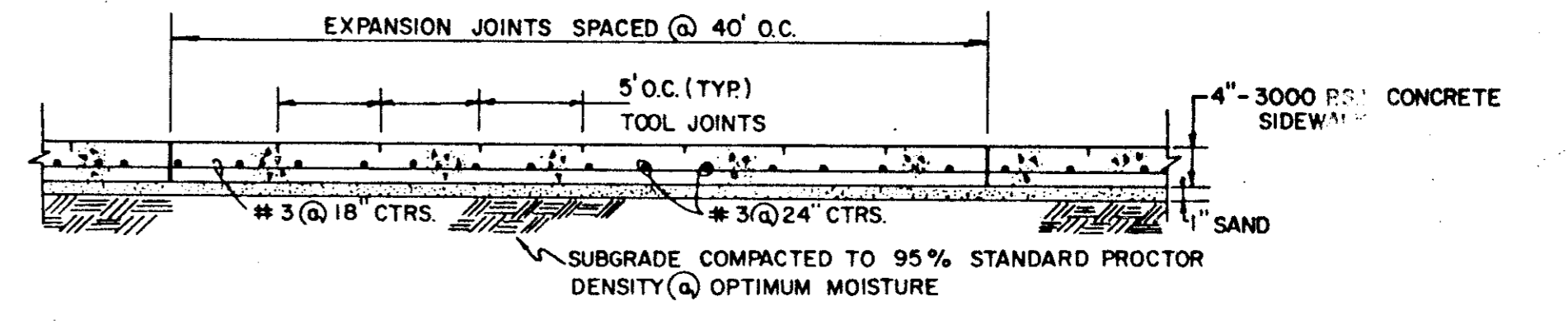
NOTE:
MODIFY RAMP TO
FIT DIFFERENT RADIUS



SECTION A-A

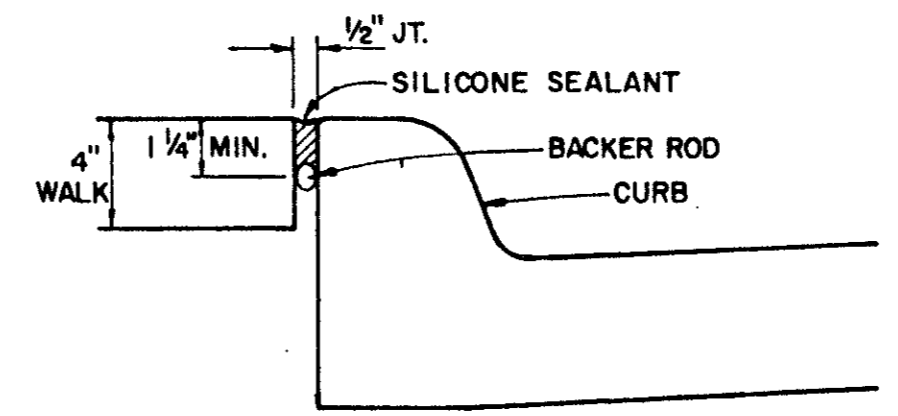


PLAN

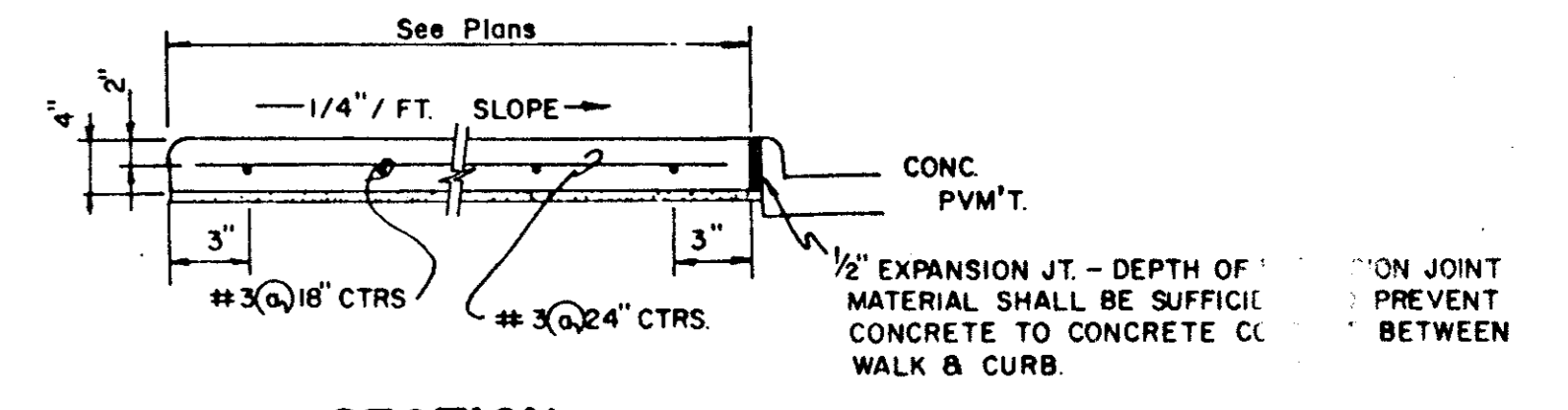


SIDE ELEVATION

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



EXPANSION JOINT DETAIL

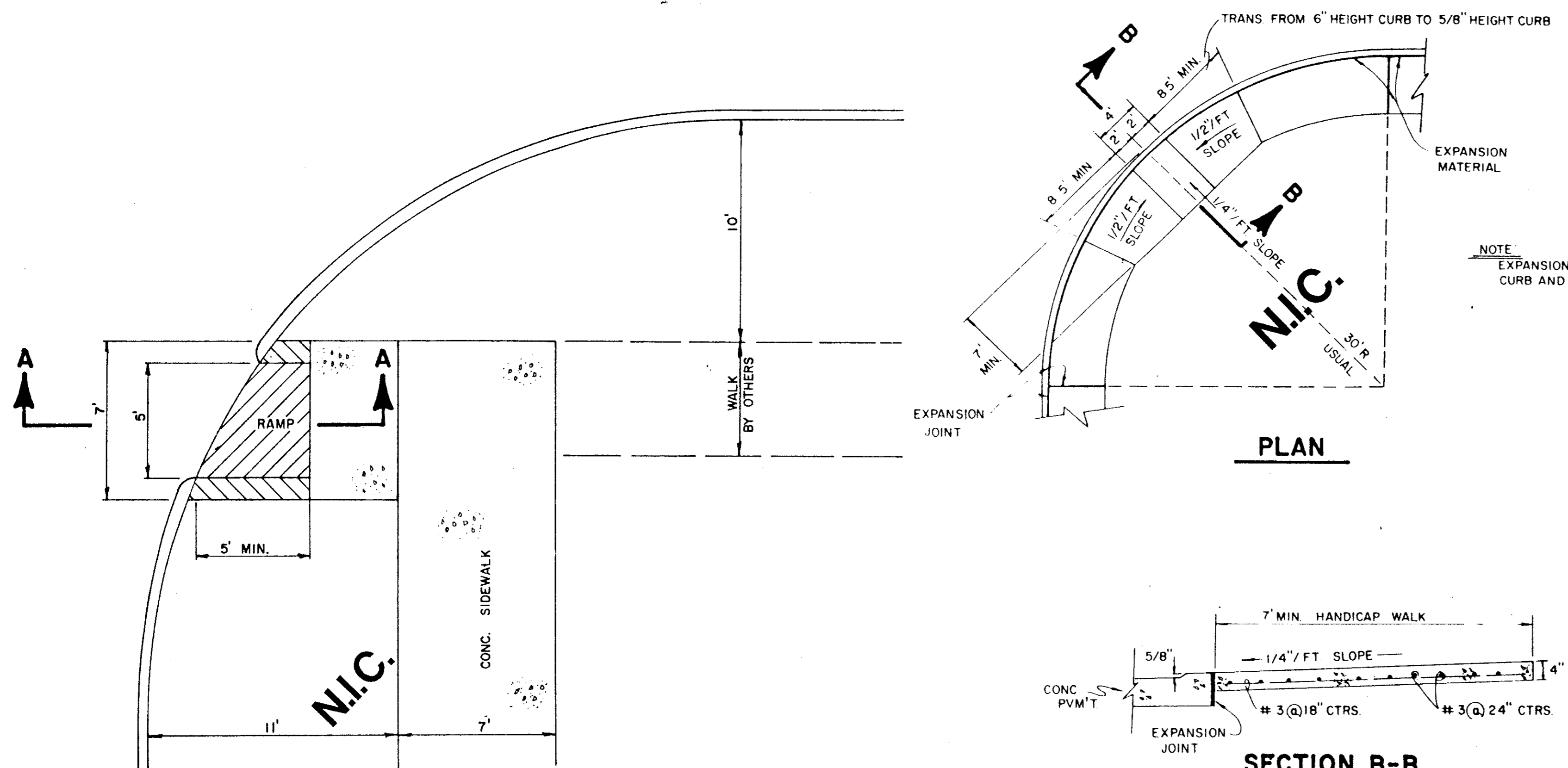


SECTION

CONCRETE SIDEWALK DETAIL

GENERAL NOTES

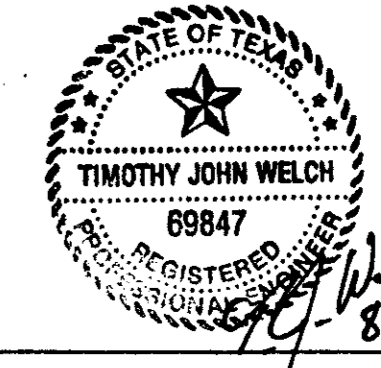
1. Reinforced concrete sidewalk shall be 5 or 7 feet wide, a minimum of four (4) inches thick and shall be 3000 psi at 28 days (5 sack mix). Unless noted otherwise.
2. Chamfer all exposed edges of concrete (1/4) inch.
3. All bar dimensions are given as center to center of bars and are located as shown.
4. 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.
5. 1" thick min. fine, washed sand cushion shall be free from organic materials or clays and shall be used for grade adjustment.
6. Subgrade shall be compacted to a density not less than 95% at optimum moisture.
7. Tooled joints (contraction joints) shall be on five (5) foot centers and shall be round one-fourth (1/4) inch radius.
8. 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-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.
9. 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).
10. Cross slope walk one-fourth (1/4) inch per foot towards curb or as shown on the drawings to provide drainage.



SECTION B-B

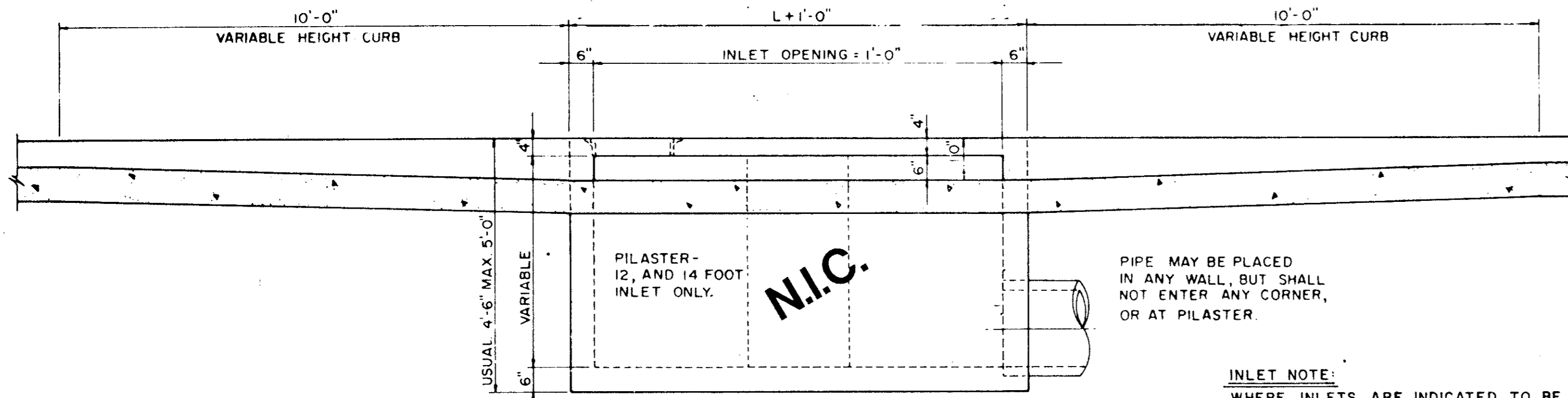
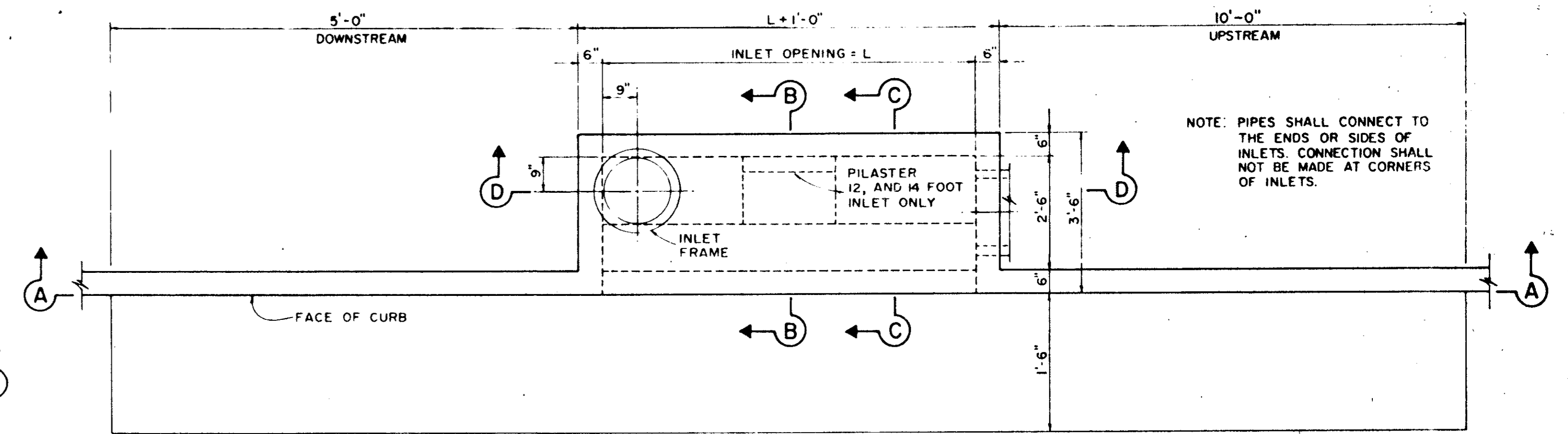
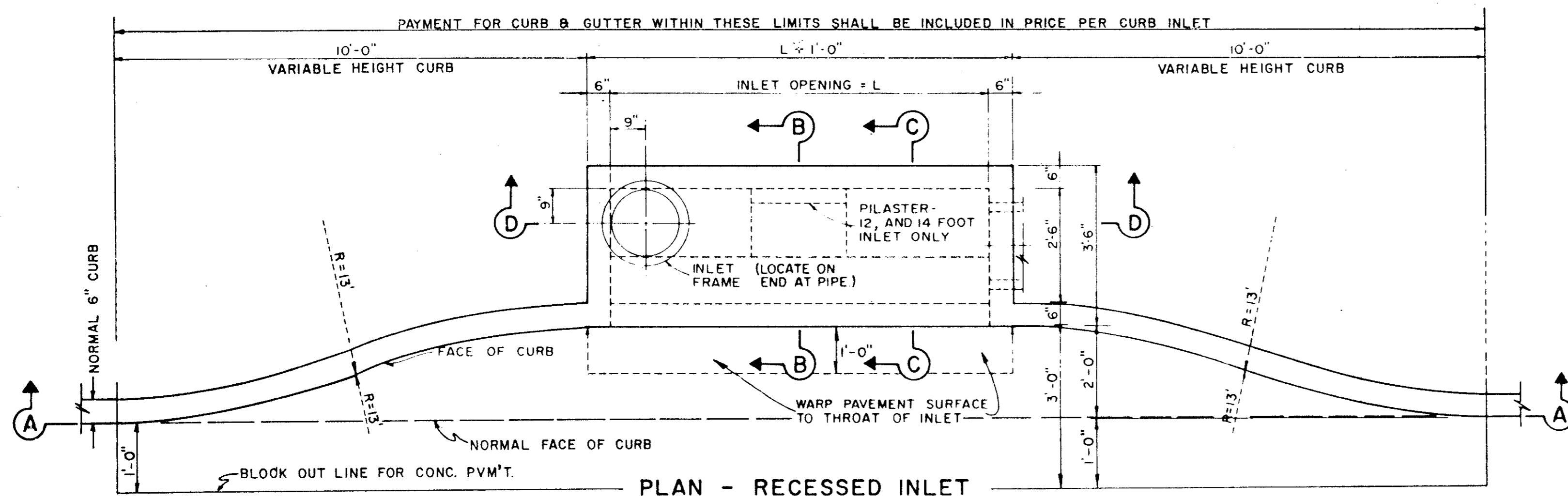
HANDICAP ROLL-DOWN CURB DETAIL

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



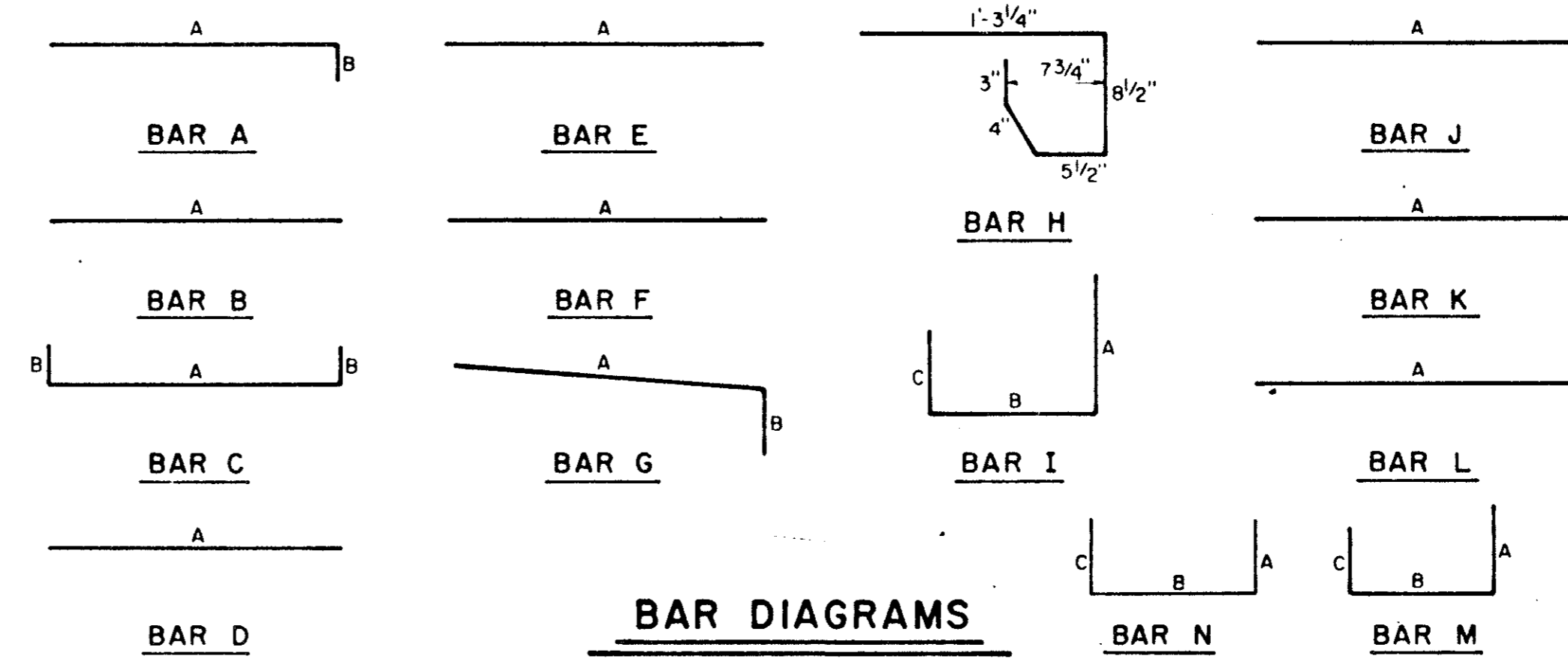
AS BUILT

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



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.

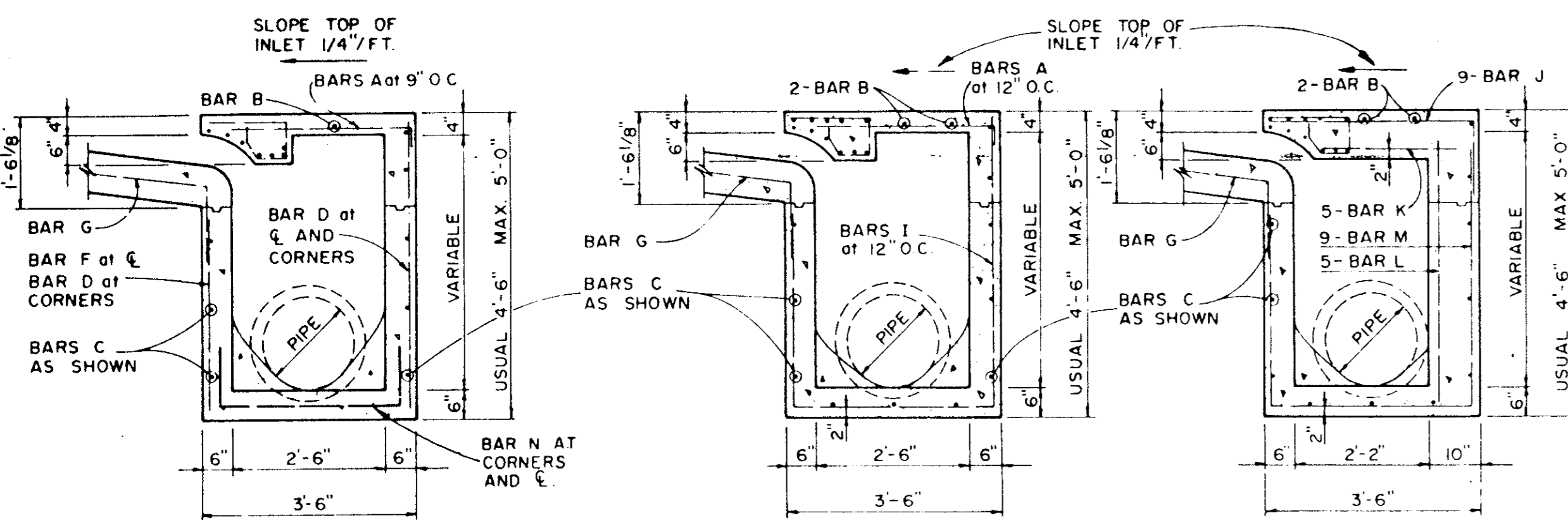


REINFORCING STEEL SCHEDULE

DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLETS

INLET LENGTH	BAR TYPE	BAR DIA. (I/B 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	4'-8"	3'-2"	3'-2"
	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	4'-8"	3'-2"	3'-2"
	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"

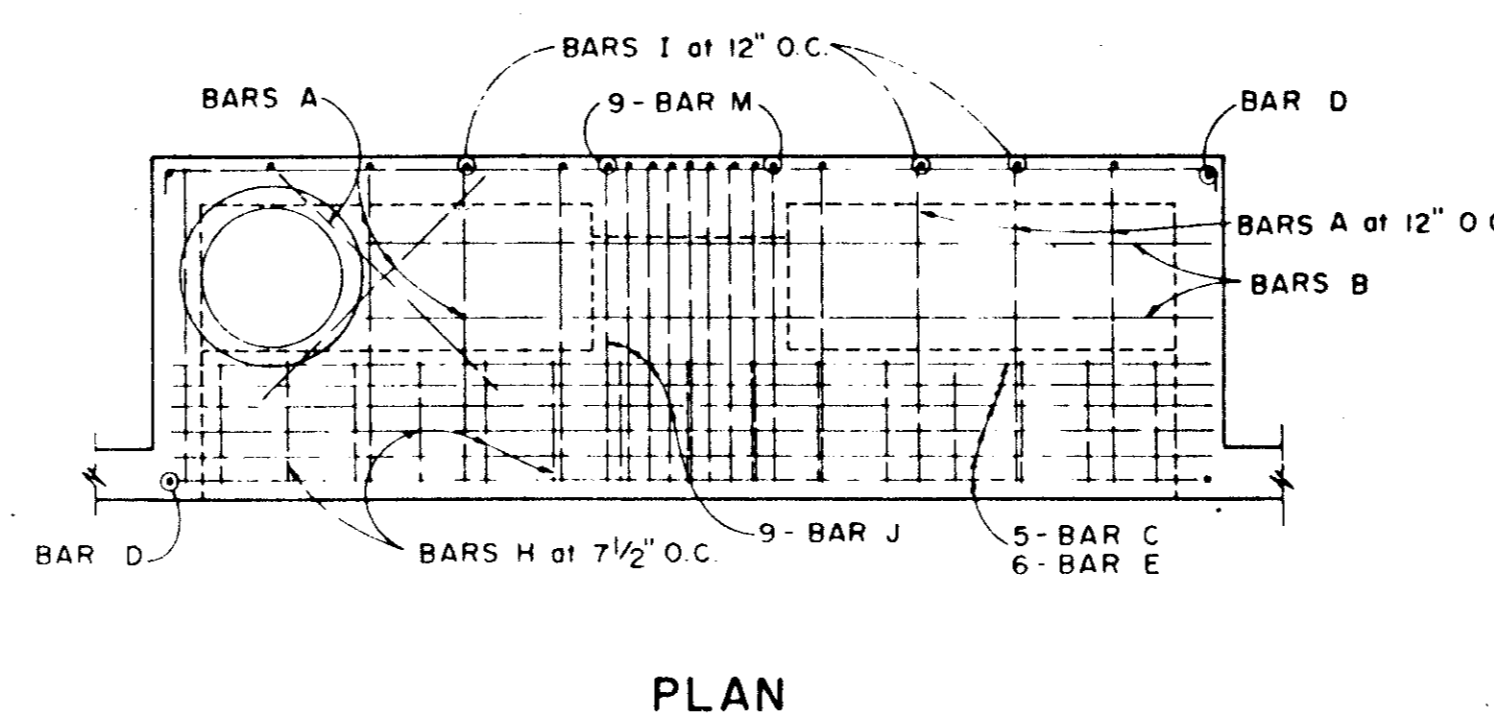
* SEE DIAGRAM FOR DIMENSIONS



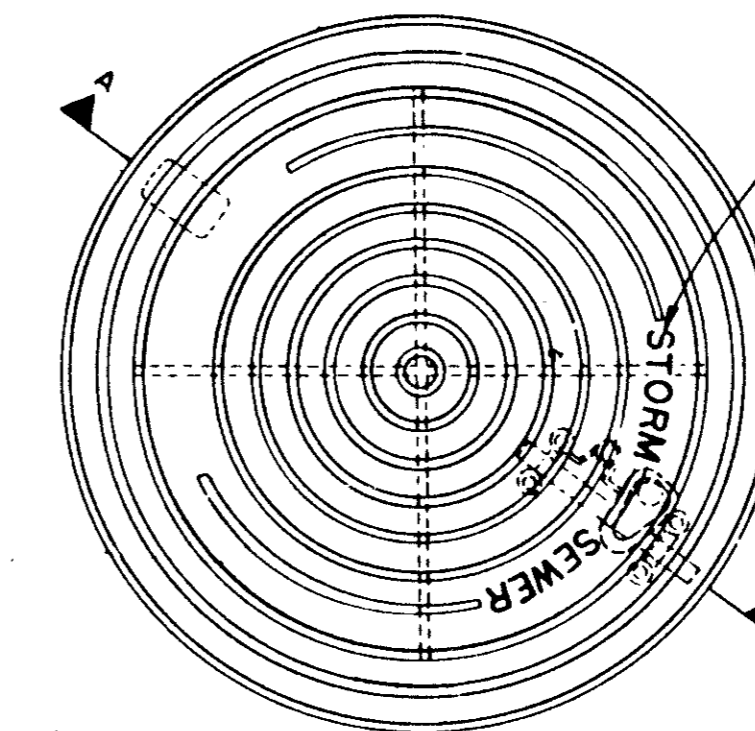
SECTION B-B

SECTION C-C

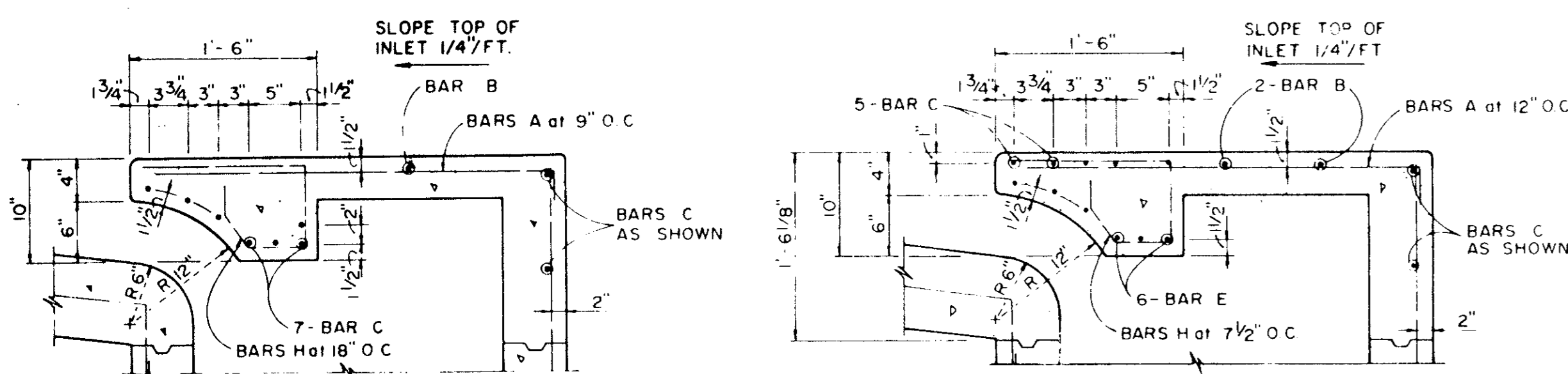
SECTION B-B



PLAN

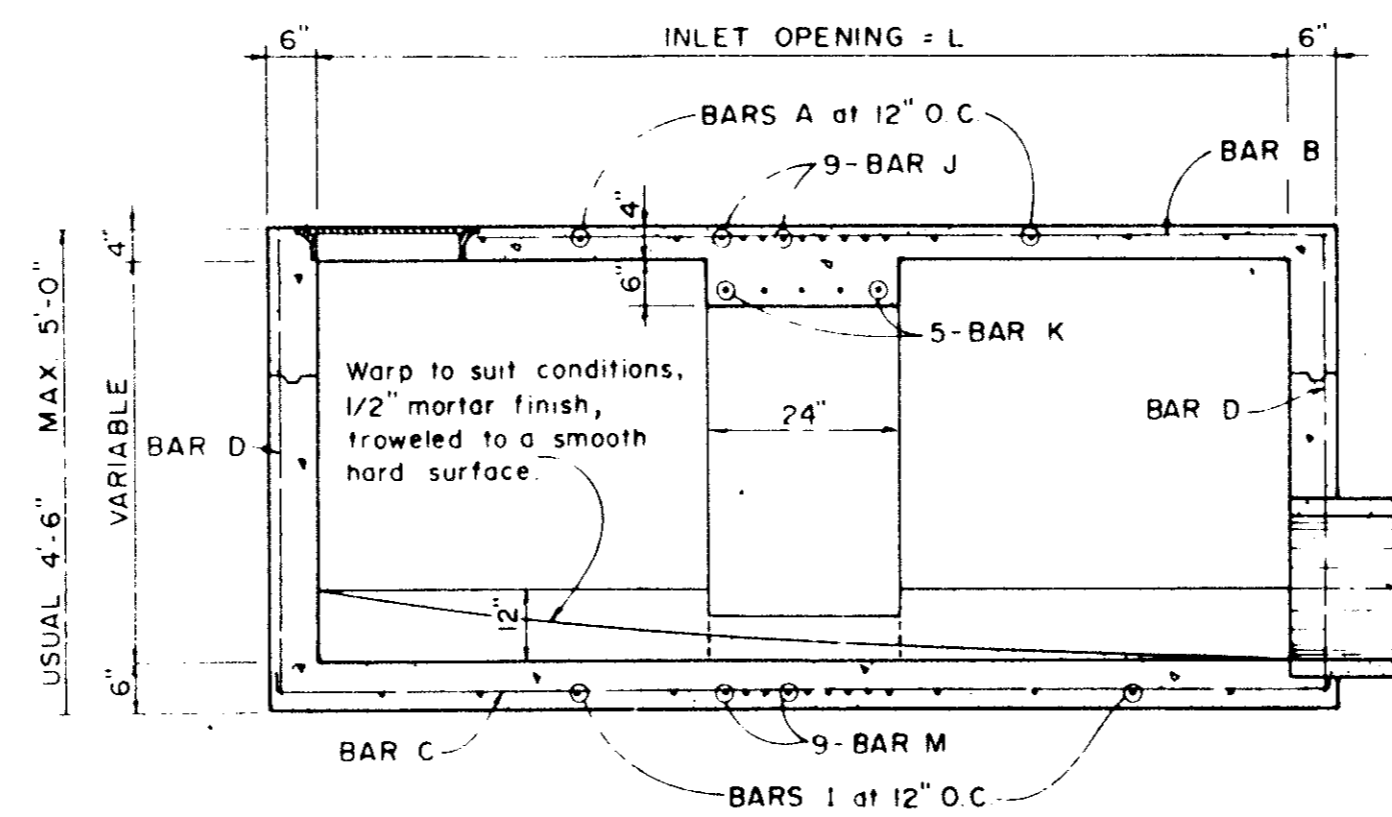


PLAN OF FRAME

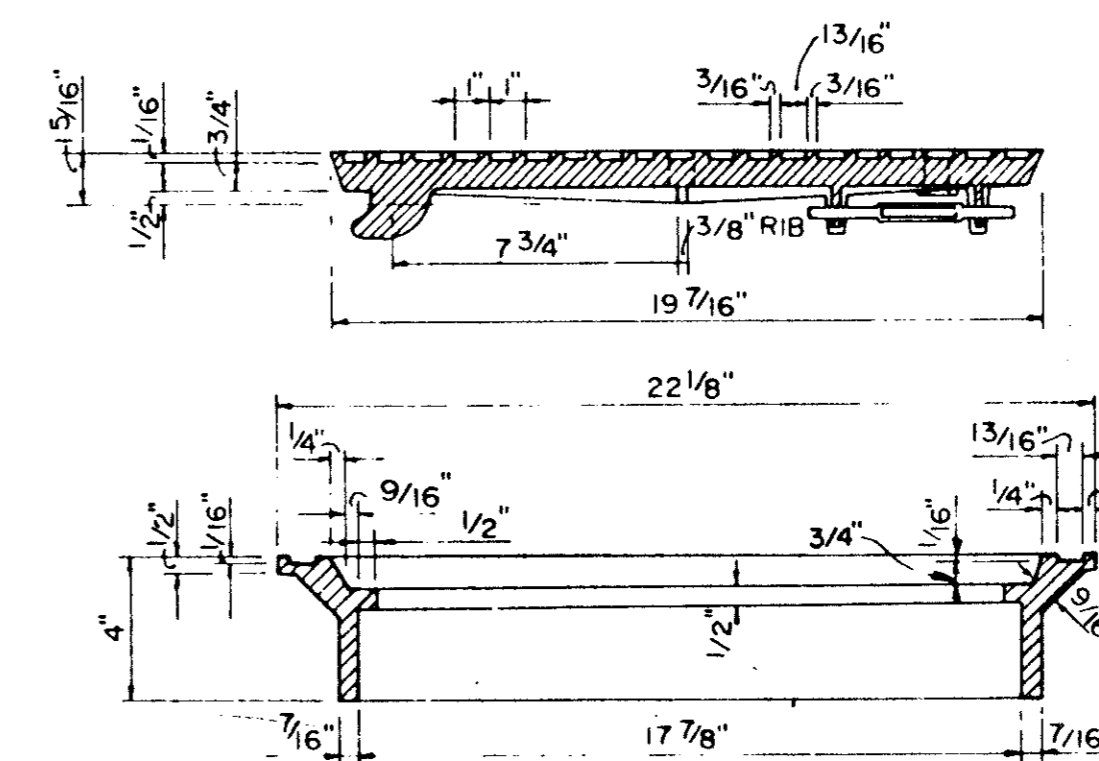


SECTION C-C

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

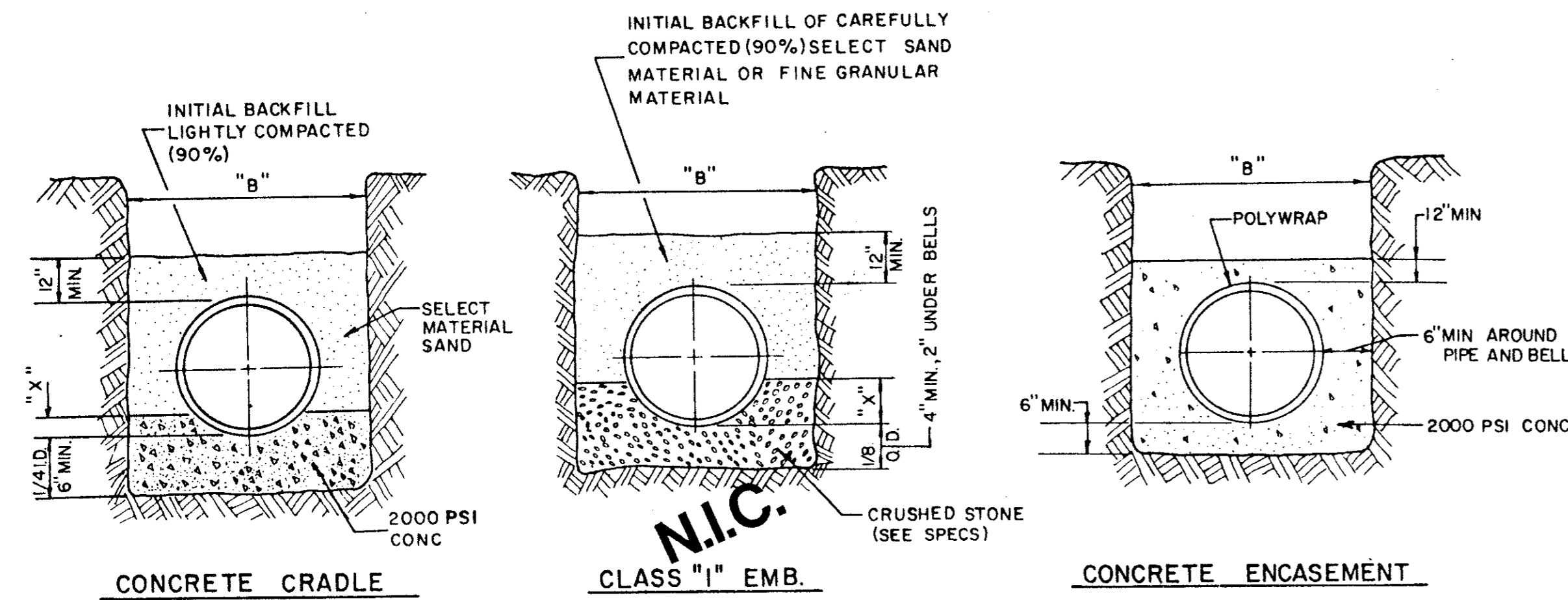
10, 12, AND 14 FOOT INLETS

AS BUILT

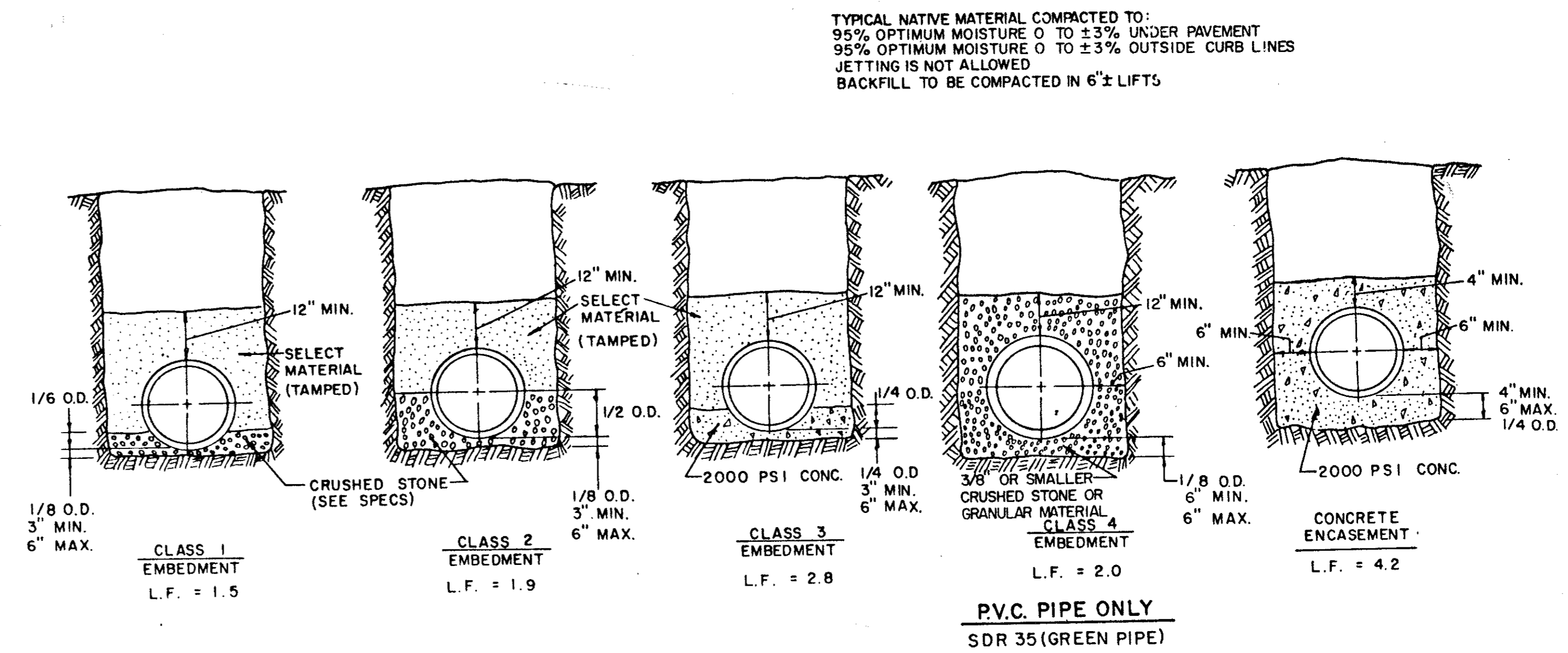
TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

**STANDARD CONSTRUCTION DETAILS
STORM DRAINAGE**

CURB INLETS



EMBEDMENT DETAILS FOR RCCP WATERLINE



EMBEDMENT DETAILS FOR SANITARY SEWER

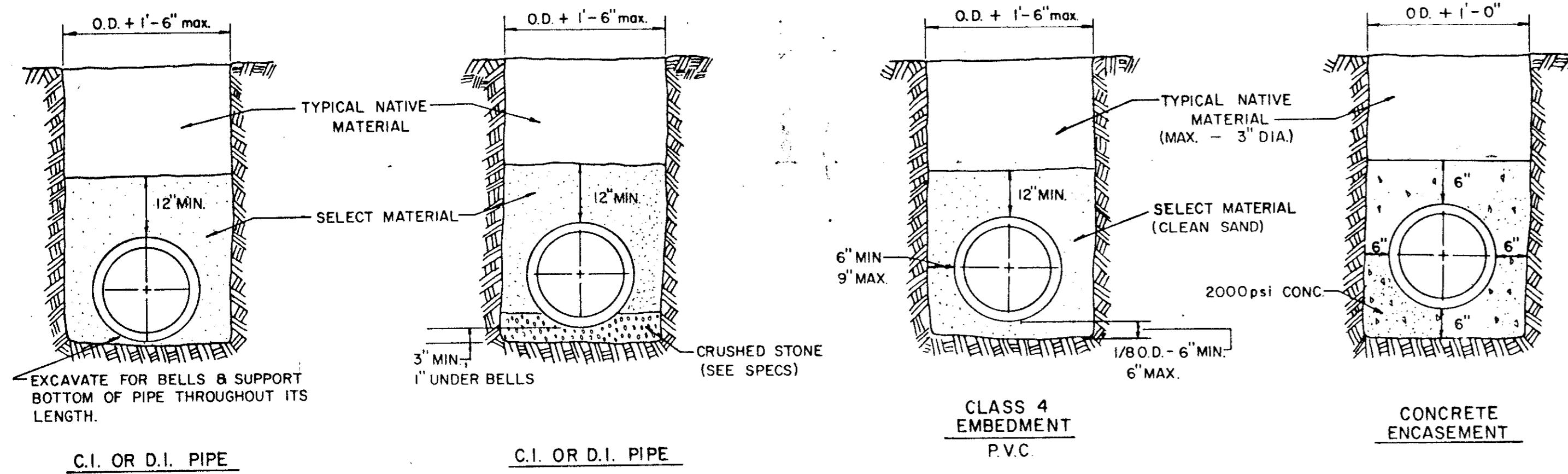
TABLE OF QUANTITIES OF MATERIALS IN CUBIC YARDS PER 100 LINEAR FEET

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 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

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

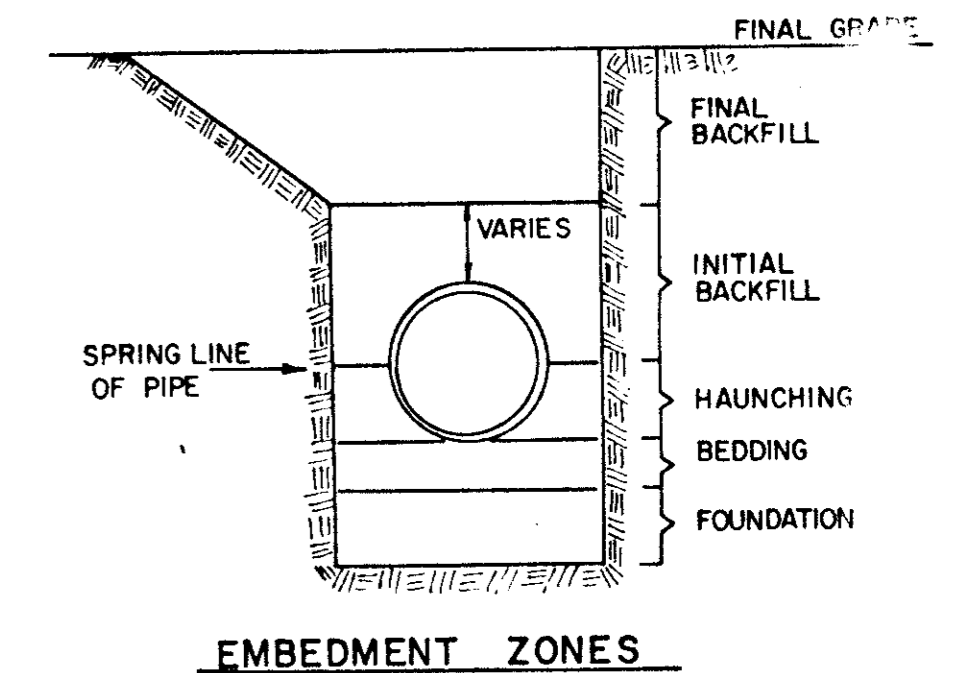


EMBEDMENT DETAILS FOR WATER MAIN

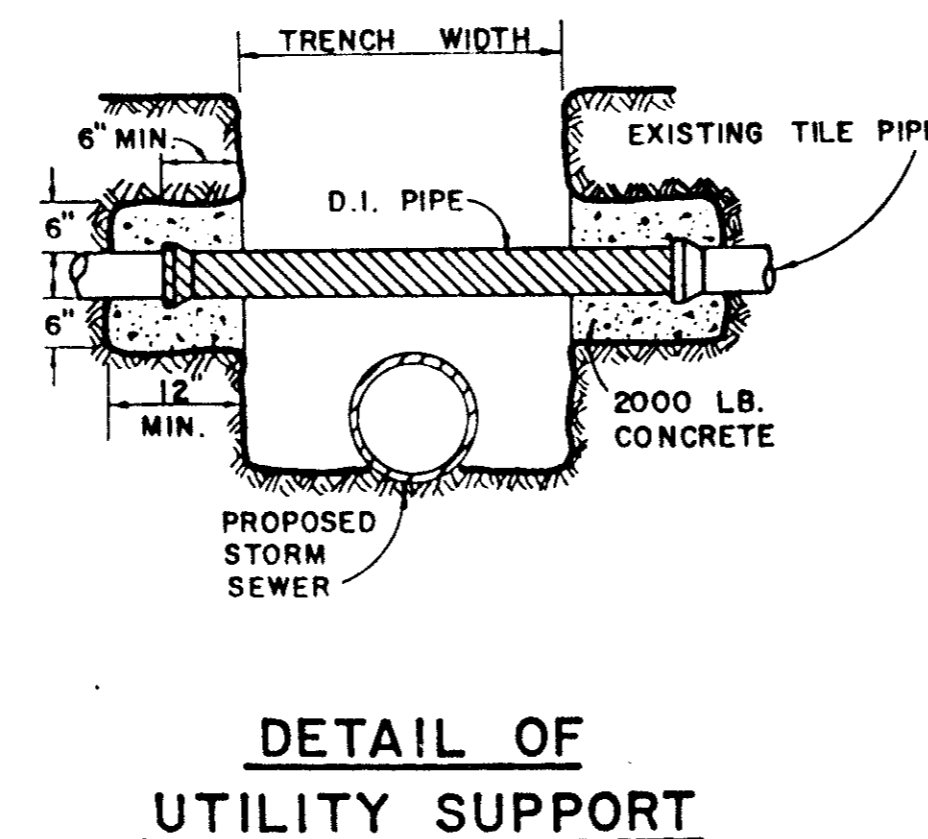
TABLE OF QUANTITIES PER 100 LINEAR FEET-PVC PIPE (IN CUBIC YARDS)

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		

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



EMBEDMENT DETAIL FOR STORM SEWER



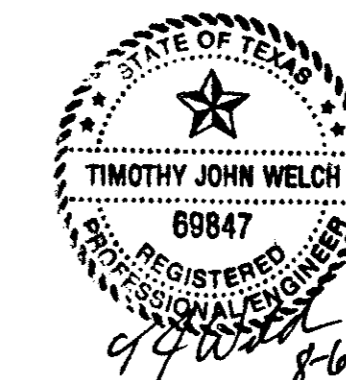
AS BUILT

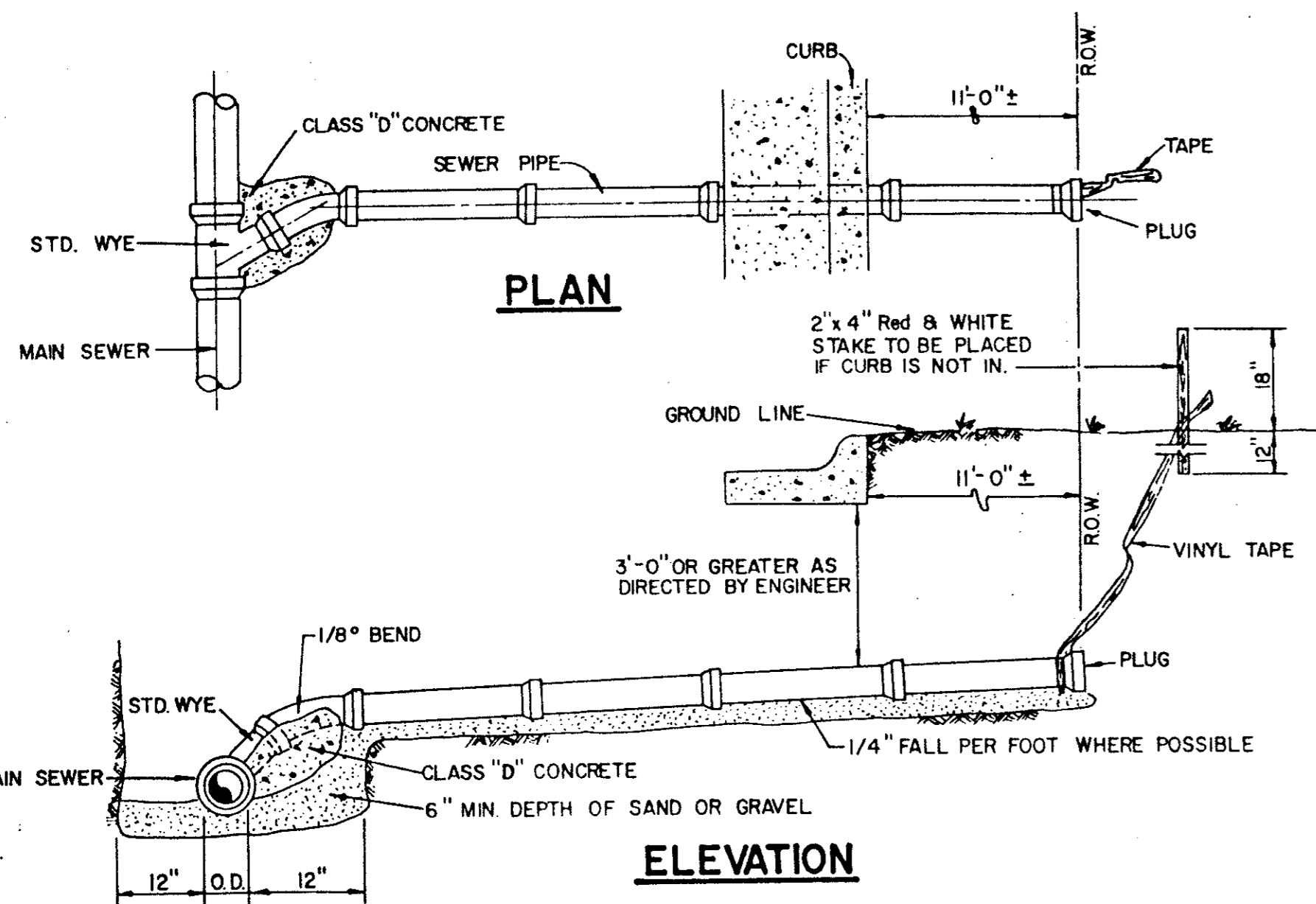
TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING

STANDARD CONSTRUCTION DETAILS

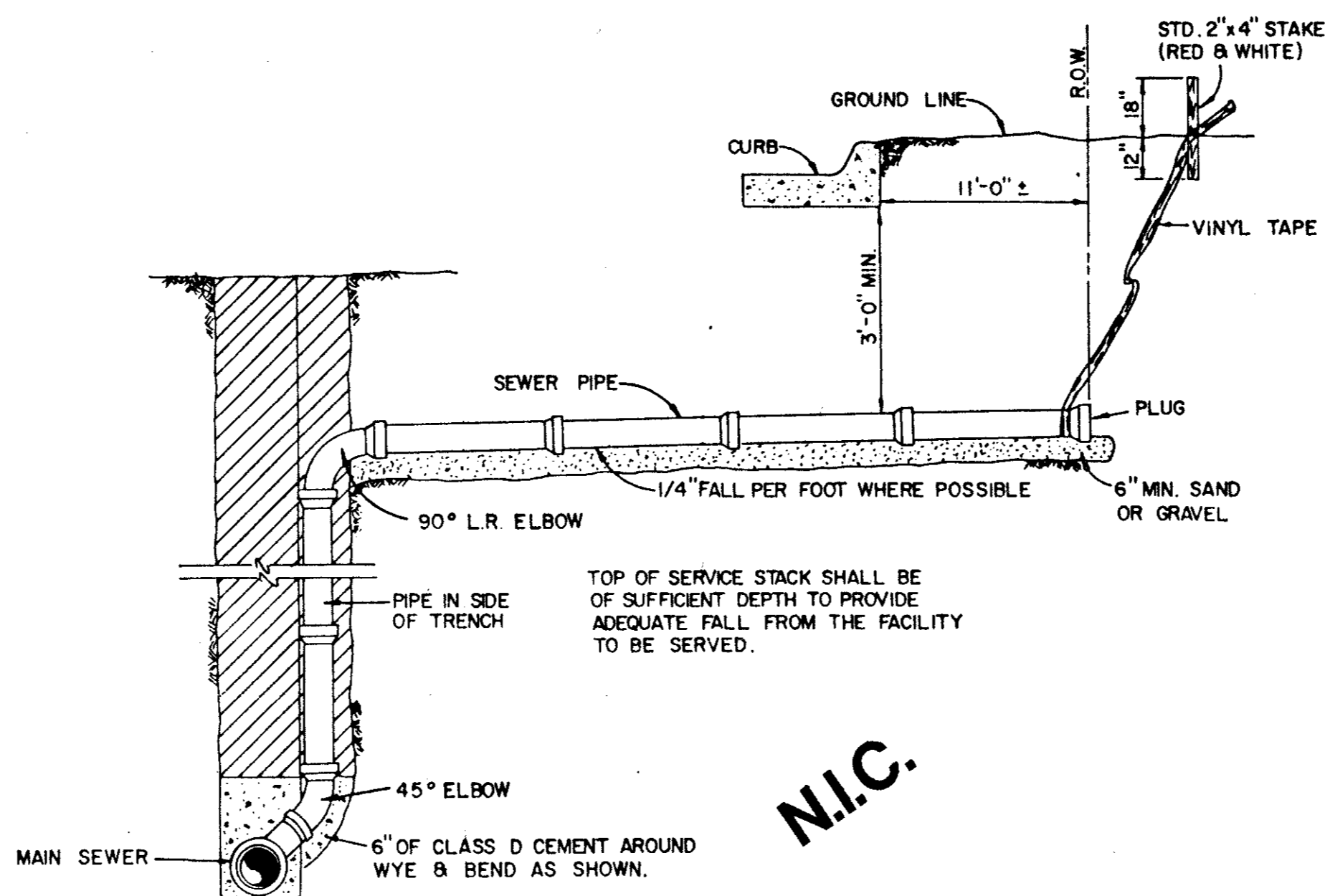
EMBEDMENT DETAILS

Designed - Drawn - Date - AUGUST, 1991 Job No. - 90025-3
Approved - Checked - Scale - Sheet D-3 Of

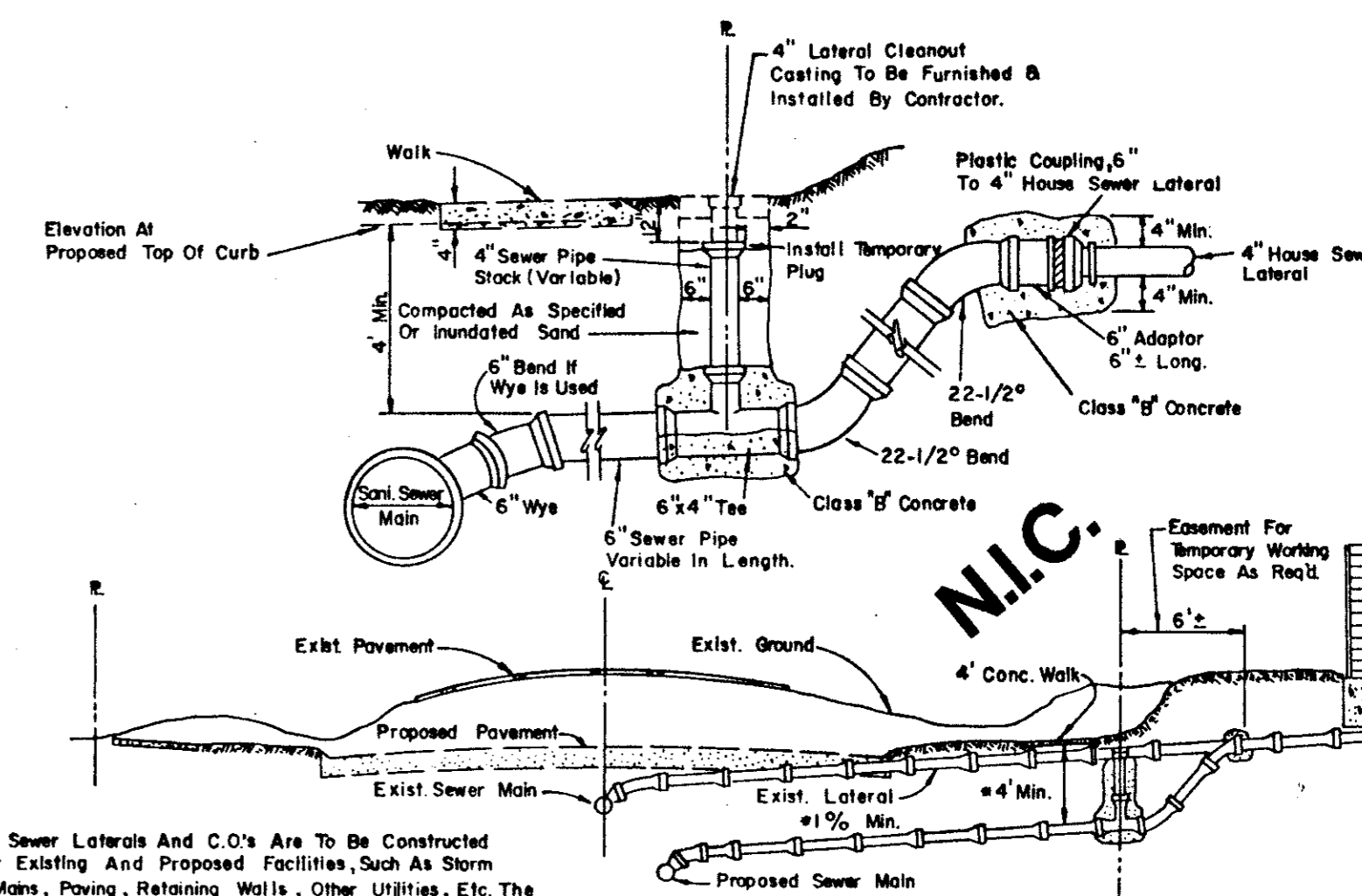




SANITARY SEWER SERVICE CONNECTION



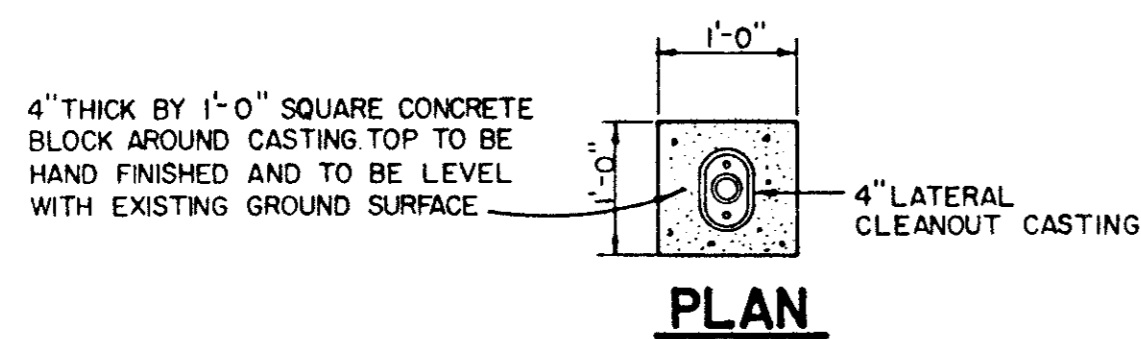
SANITARY SEWER DEEP SERVICE CONNECTION



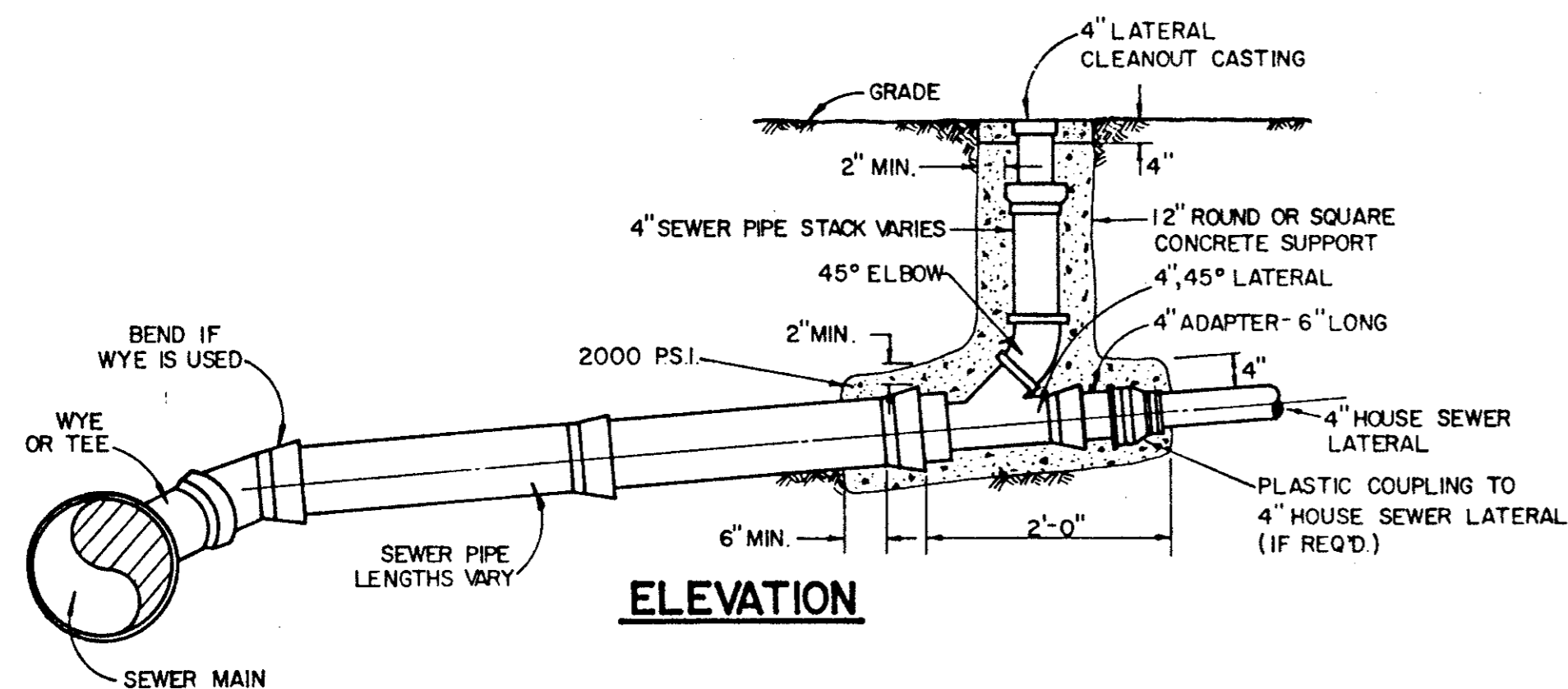
SANITARY SEWER LATERAL REPLACEMENT

Sanitary Sewer Laterals And C.O.'s Are To Be Constructed To Clear Existing And Proposed Facilities, Such As Storm Sewer Mains, Paving, Retaining Walls, Other Utilities, Etc. The Sanitary Sewer Lateral Will Have A Min. Cover Of 4' Below The Proposed Curb Grade At The Property Line.

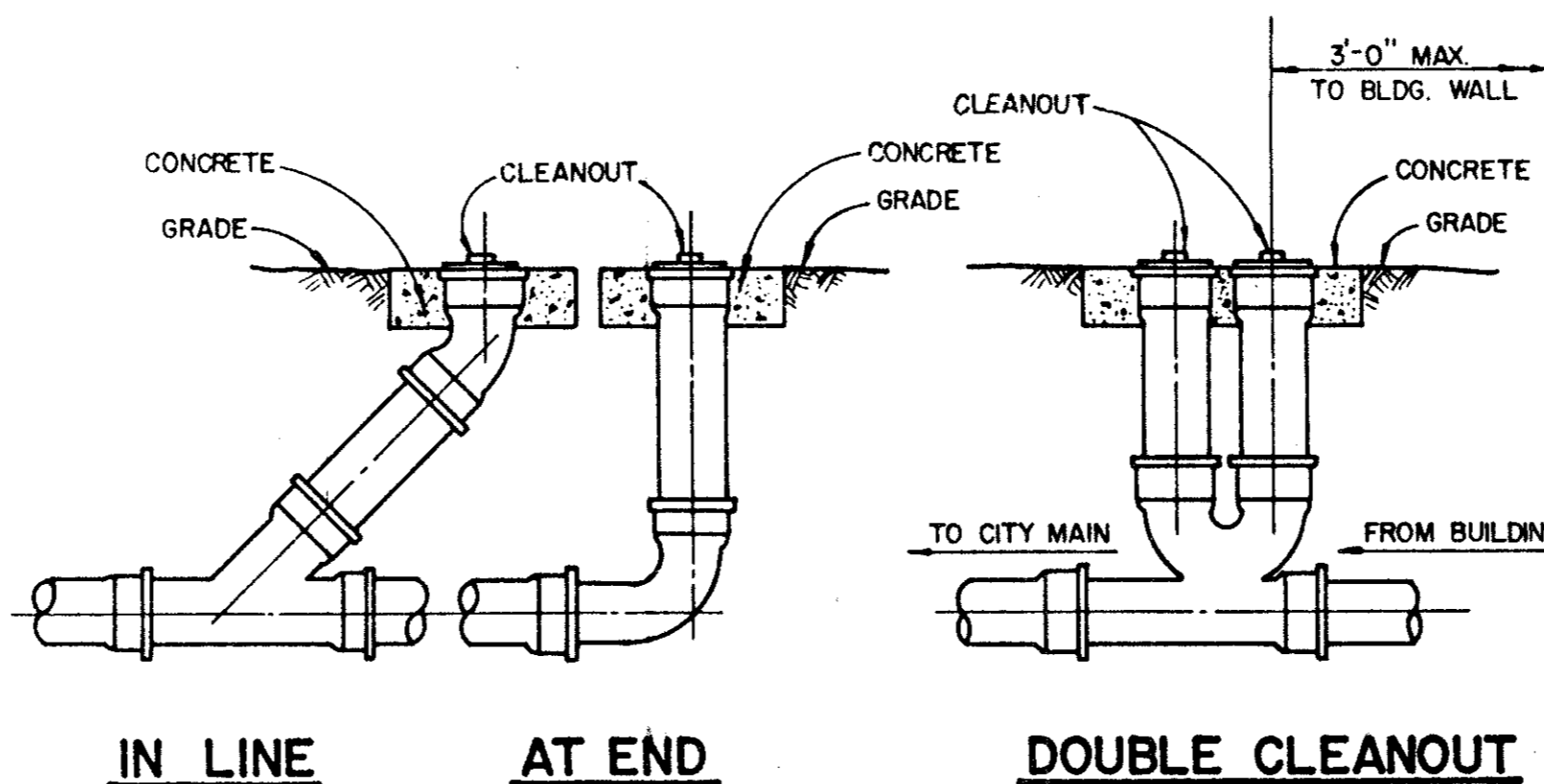
NOTE: Cleanout To Be Installed On Property Line Except As Required To Avoid Conflict With Existing Or Proposed Facilities In Which Case The Location Shall Be Determined By The Engineer.



PLAN



ELEVATION



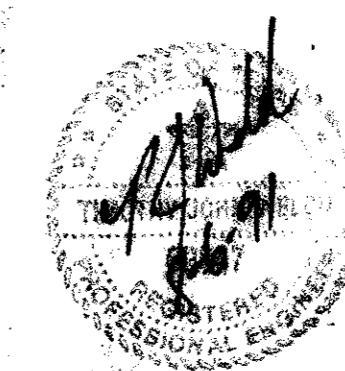
TYPICAL CLEANOUTS

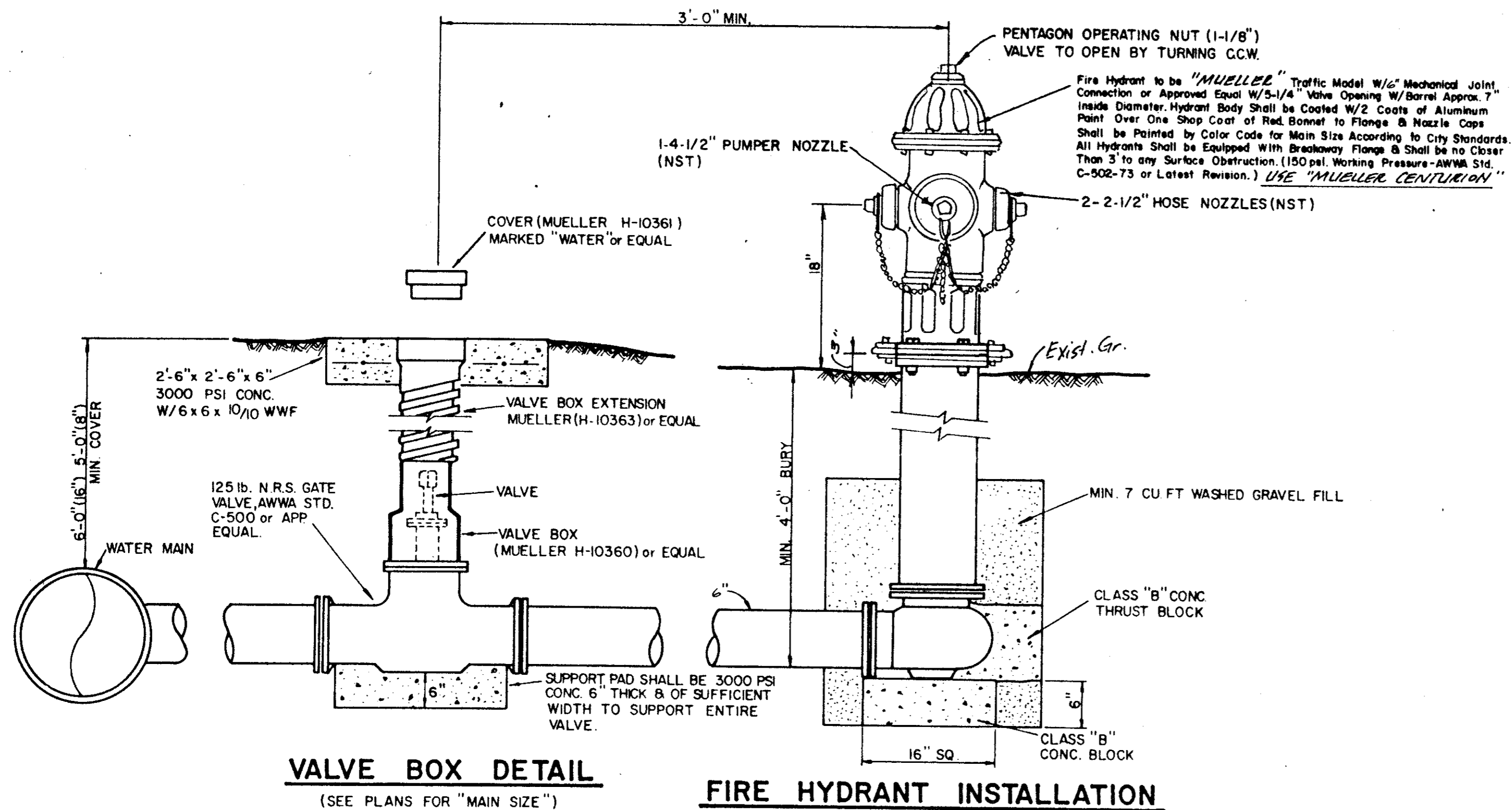
ALL PVC SANITARY SEWER PIPE TO BE SDR 35 WITH INTEGRAL BELL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE HORIZONTALLY EACH 4' SERVICE IN RELATION TO THE SANITARY SEWER STATIONING. FIELD TIES ARE TO BE INCLUDED AND RECORDED ON ALUMINIZED SANITARY SEWER TAPE. THIS TAPE, GREEN OR RED 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.

AS BUILT

TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING
STANDARD CONSTRUCTION DETAILS
SANITARY SEWER
LATERALS AND CLEANOUTS

Designed - _____ Date - JULY, 1991
Approved - _____ Checked - _____ Scale - _____ Job No. - 90025-3
Sheet D-7 of _____



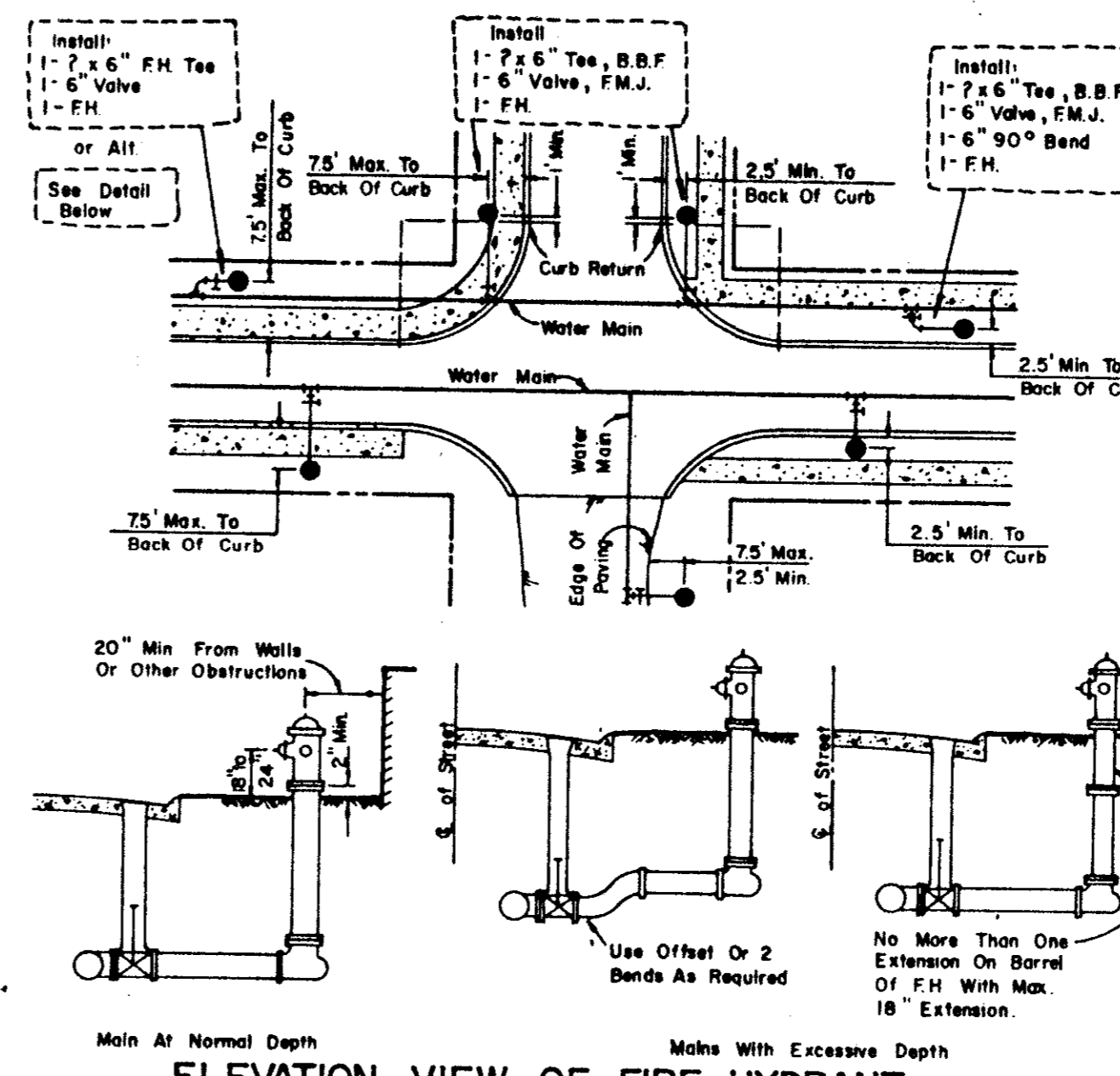


VALVE BOX DETAIL
(SEE PLANS FOR "MAIN SIZE")

FIRE HYDRANT INSTALLATION
(INCLUDES 6" VALVE)
No Scale

GATE VALVES AND VALVE BOXES.

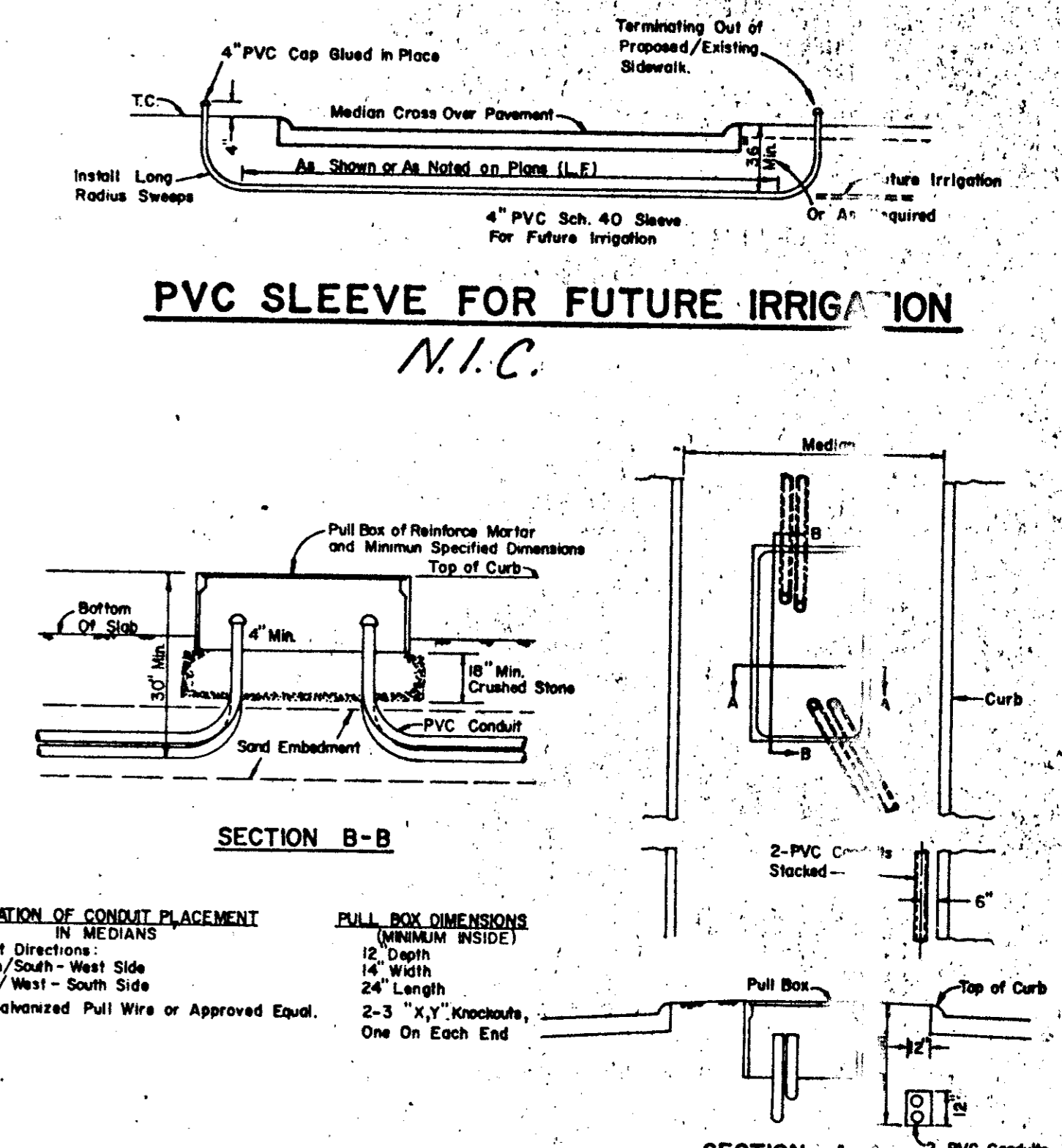
- GATE VALVES SHALL BE IRON BODY, BRONZE OR BRASS MOUNTED, NON-RISING STEM, PARALLEL SEAT TYPE. VALVES SHALL BE OF EQUAL OR GREATER PRESSURE CLASS THAN THE PIPING IN WHICH THEY ARE TO BE INSTALLED.
- VALVE BOXES SHALL BE CAST IRON AND SHALL BE OF SUFFICIENT LENGTH AND DIAMETER TO OPERATE ALL VALVES BURIED 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.



ELEVATION VIEW OF FIRE HYDRANT

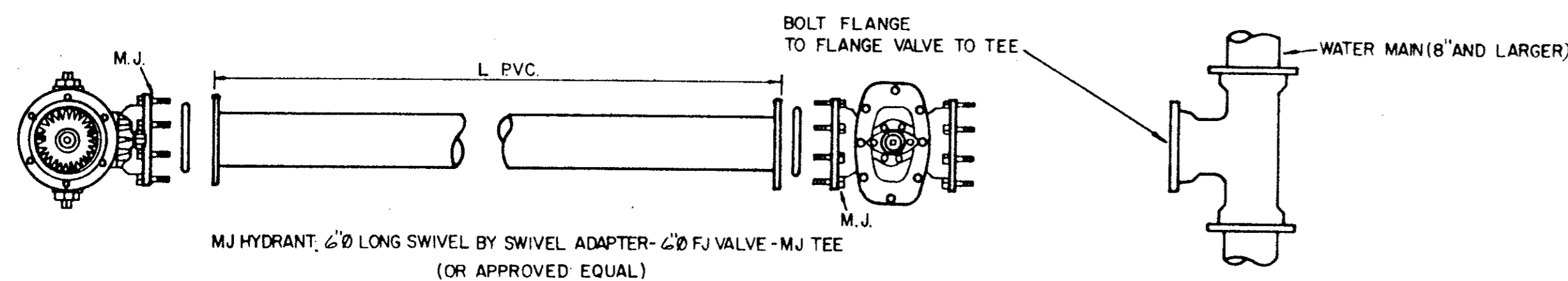
GENERAL NOTES

- 6" OF F.H. BARREL SHALL BE NOT LESS THAN 6.0' OR MORE THAN 9.0' FROM BACK OF CURB OR EDGE OF PAVEMENT.
- DO NOT SET F.H. IN AN EXISTING OR PROPOSED SIDEWALK, UNLESS OTHERWISE NOTED.
- ALL F.H. TEES SHALL BE M.J. WITH ANCHORING ON THE BRANCH WITH M.J., M.J. 6" VALVE.
- SET F.H. ON THE LOT LINE EXTENDED WHEN POSSIBLE.
- ON PRIVATE CONTRACTS, THE DEVELOPER'S ENGINEER WILL SLOPE LOCATION & GRADE.
- NEVER PLACE F.H. WHERE FIRE TRUCK COULD NOT PARK BESIDE IT.

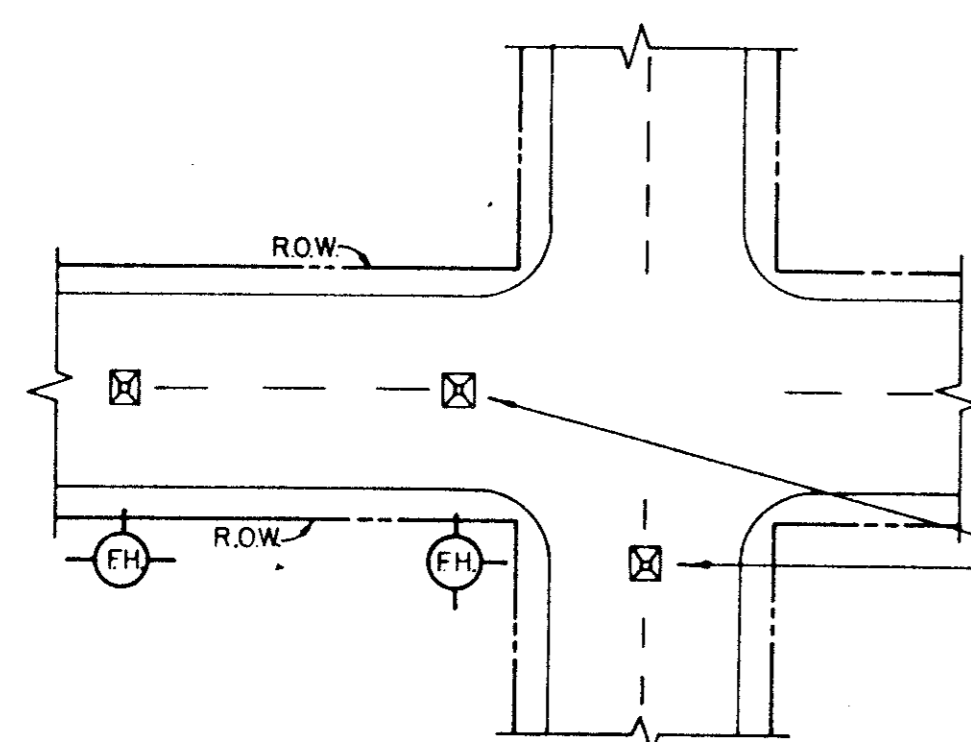


PVC SLEEVE FOR FUTURE IRRIGATION
N.I.C.

PULL BOX & CONDUIT DETAIL
N.I.C.

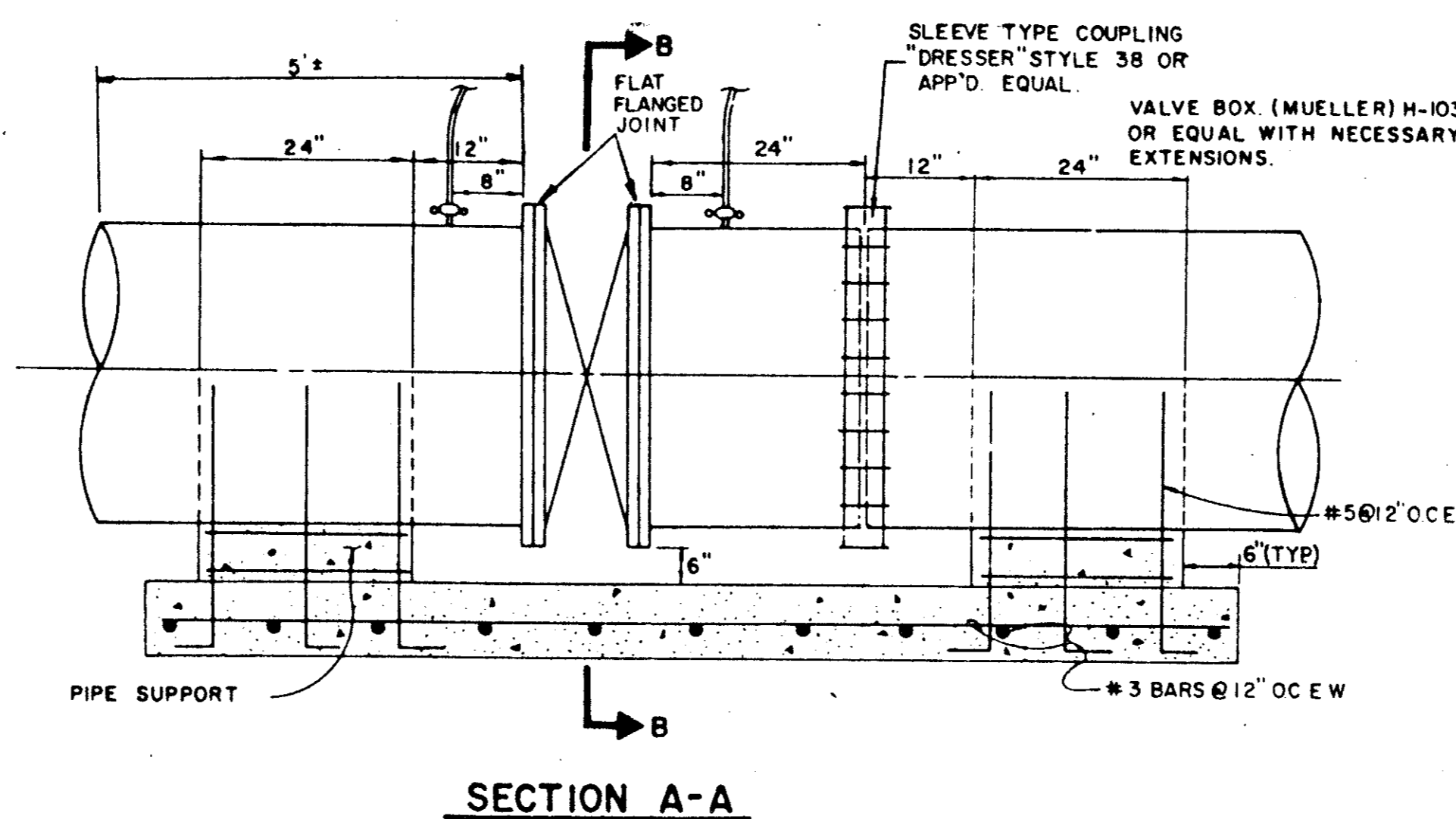


TYPICAL FIRE HYDRANT INSTALLATION

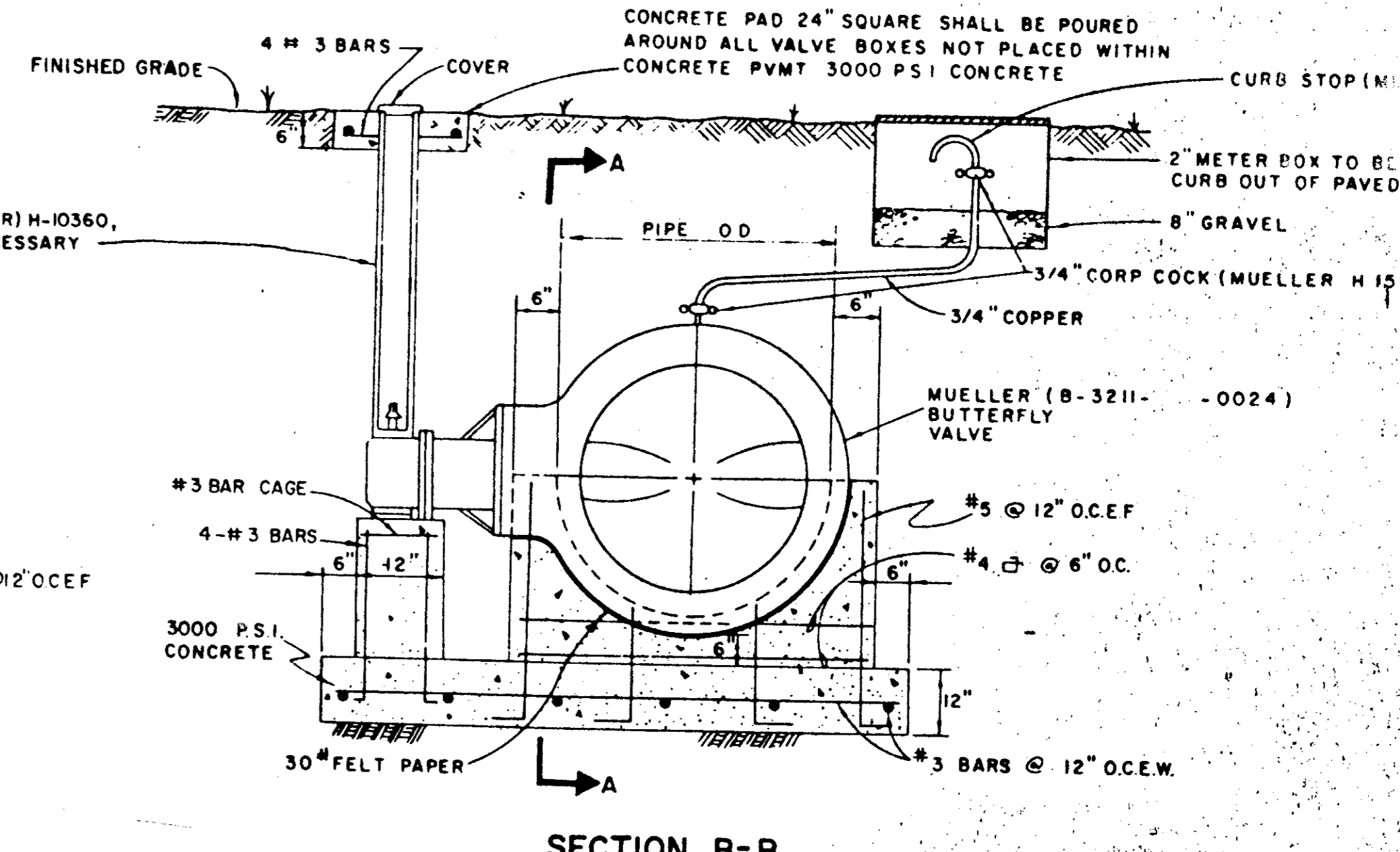


TYPICAL FIRE HYDRANT REFLECTOR INSTALLATION

A BLUE STIMSONITE FIRE-LITE REFLECTOR (OR APPROVED EQUAL) TO BE PLACED IN THE CENTER OF STREET OPPOSITE FIRE HYDRANTS. THE INSTALLATION OF THIS REFLECTOR SHALL BE AS PRESCRIBED BY THE MANUFACTURER.

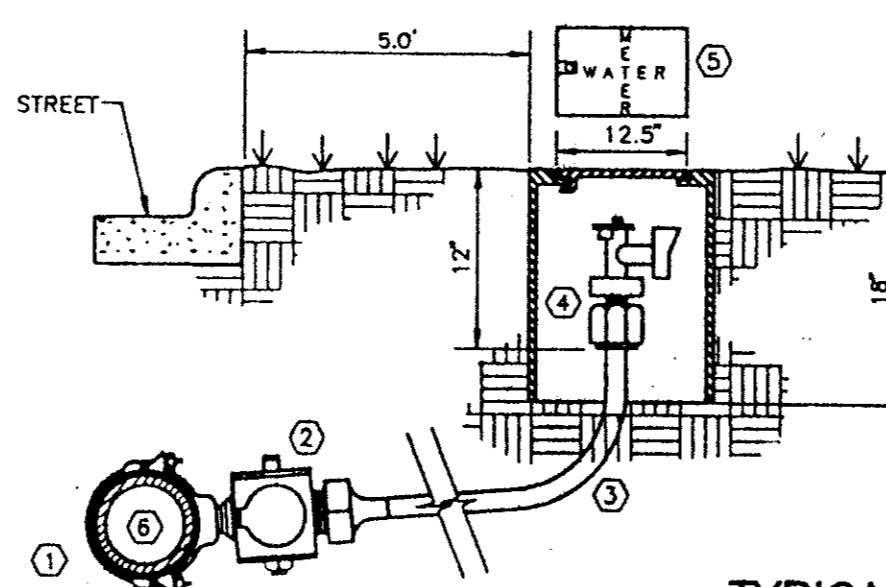


SECTION A-A



SECTION B-B

BUTTERFLY VALVE DETAIL
N.I.C.

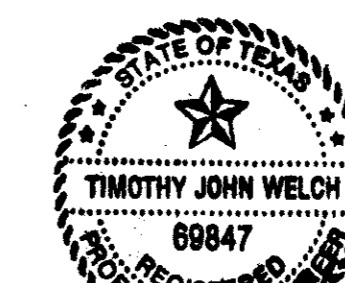


TYPICAL WATER SERVICE DETAIL

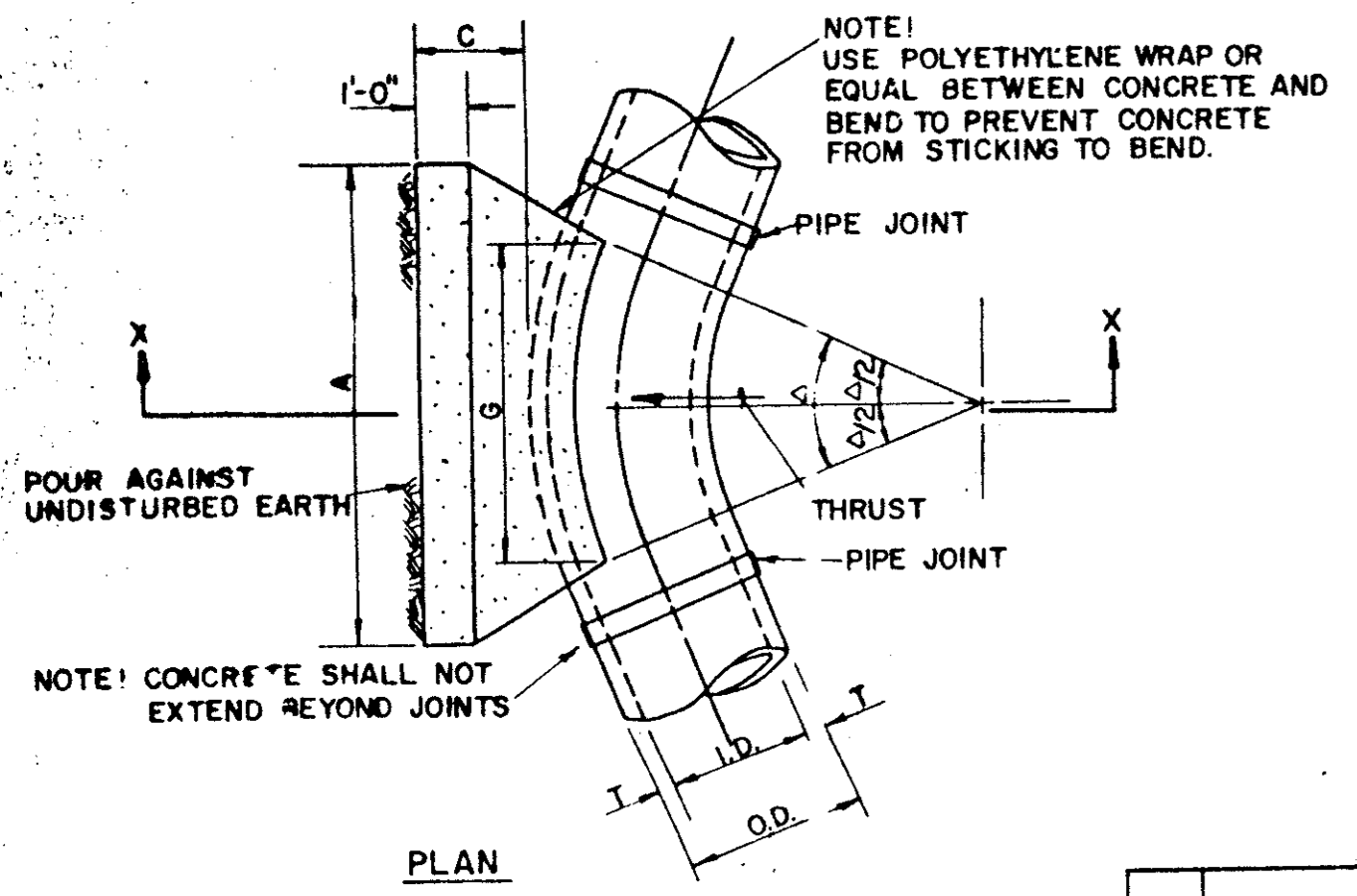
- DOUBLE STRAP BRONZE SADDLE W/CCW THREADS. MUELLER.
- CORPORATION STOP W/CCW THREADS. MUELLER. H-15000 COMPRESSION OR H-15000 FLARED.
- 3/4" TYPE "W" SOFT COPPER W/NO SPLICES
- ANGLE STOP W/LOCK WING. MUELLER H-14258 COMPRESSION OR H-14255 FLARED.
- WATER METER BOX (RECTANGULAR SHAPE ONLY) CONCRETE OR METAL SHELL CONSTRUCTION
- WATER MAIN PVC AWWA C900 SDR 14/18 INTEGRAL WALL BELL

AS BUILT

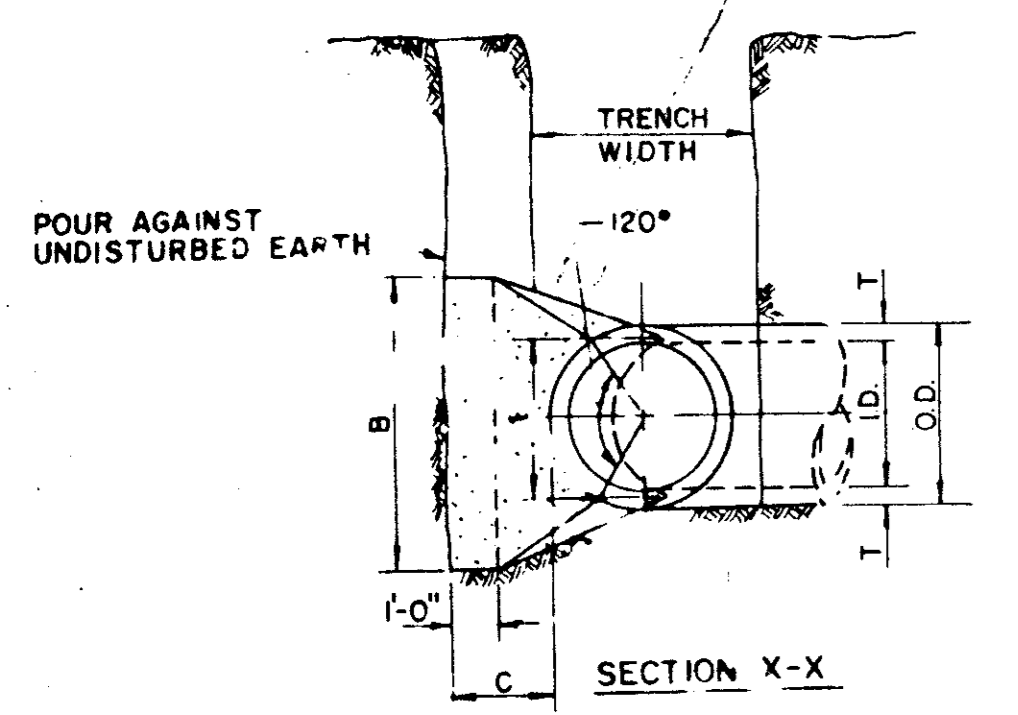
TOWN OF ADDISON, TEXAS
DEPARTMENT OF ENGINEERING
STANDARD CONSTRUCTION DETAILS
WATER
FIRE HYDRANTS, PULL BOXES
AND VALVES



Designed - Drawn - Date - AUGUST, 1991 Job No. - 90025-3
Approved - Checked - Scale - Sheet D-8 OF

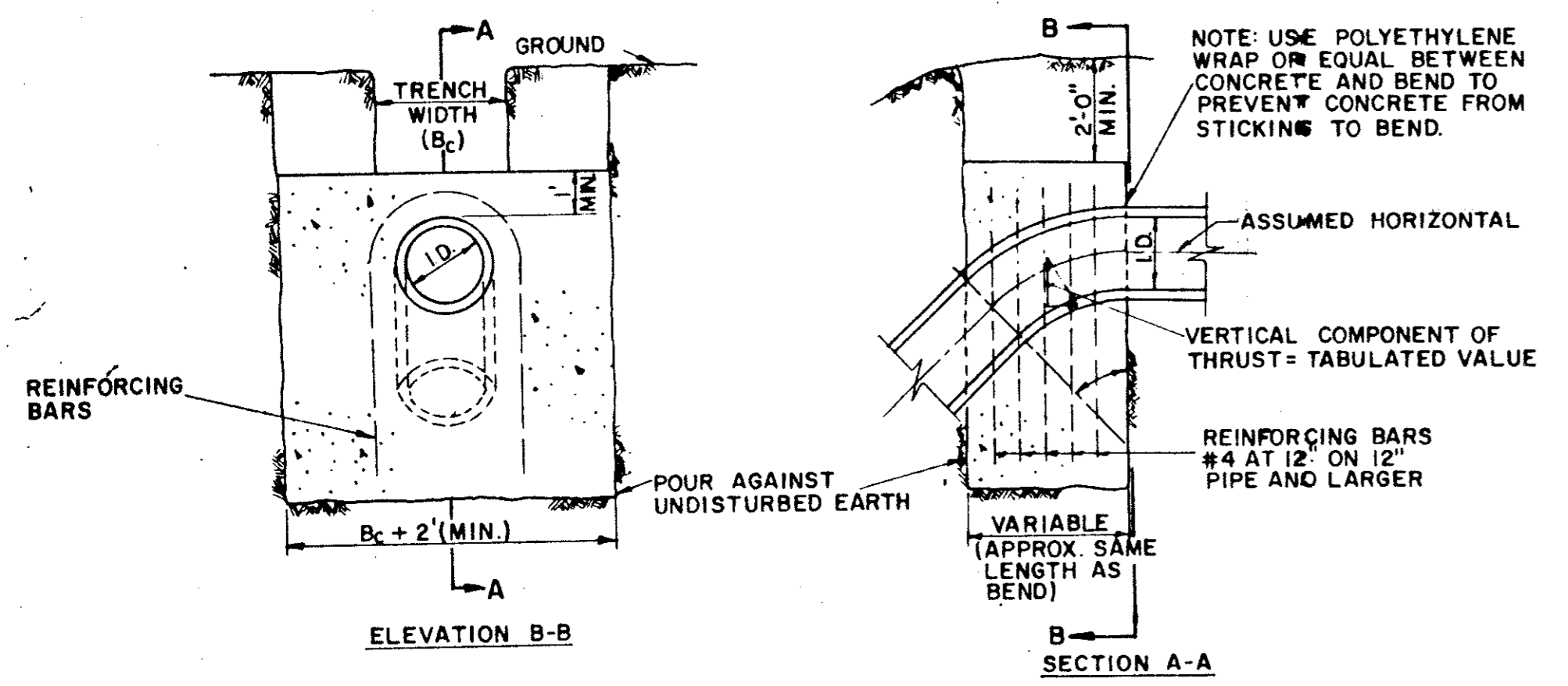


I.D. (IN.)	T (IN.)	C 11.25°		C 22.50°		E (FT.)
		A	B	A	B	
4.6, 8	0.4	1.5	1.5	1.5	0.9	
10, 12	0.5	1.5	1.5	1.5	1.2	
16, 18	0.6	1.5	1.5	1.5	1.6	
20	0.7	1.5	1.5	1.5	1.8	
24	0.9	1.5	1.5	1.5	2.1	
30	1.1	1.5	1.5	1.5	2.4	
36	1.3	1.5	1.5	1.5	2.7	
42	1.5	1.5	1.5	1.5	3.0	
48	1.7	1.5	1.5	1.5	3.3	
54	1.9	1.5	1.5	1.5	3.6	
60	2.1	1.5	1.5	1.5	3.9	
66	2.3	1.5	1.5	1.5	4.2	
72	2.5	1.5	1.5	1.5	4.5	
78	2.7	1.5	1.5	1.5	4.8	
84	2.9	1.5	1.5	1.5	5.1	
90	3.1	1.5	1.5	1.5	5.4	
96	3.3	1.5	1.5	1.5	5.7	



I.D. (IN.)	G (FT.)	EARTH			ROCK			I.D. (IN.)	G (FT.)	EARTH			ROCK		
		A	B	VOL. C.Y.	A	B	VOL. C.Y.			A	B	VOL. C.Y.	A	B	VOL. C.Y.
4.6, 8	0.4	1.0	1.5	0.1	1.0	1.0	0.1	4.6, 8	0.8	2.0	1.5	0.1	1.0	1.0	0.1
10, 12	0.6	2.2	1.5	0.1	1.0	1.5	0.1	10, 12	1.1	4.4	2.0	2.9	0.3	1.5	0.1
16, 18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2	16, 18	1.6	9.9	3.0	3.5	0.8	2.0
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	0.3	20	1.8	12.3	3.5	3.5	0.7	2.0
24	1.1	8.9	3.0	3.0	0.5	1.5	3.0	0.3	24	2.2	17.7	4.0	4.5	1.0	3.0
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	0.4	30	2.7	20.7	5.0	4.5	1.5	3.0
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	0.5	36	3.3	29.8	5.5	5.5	2.3	4.0
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	0.8	42	3.8	40.5	7.0	6.0	3.9	4.5
48	2.2	26.6	4.5	6.0	2.0	2.5	6.0	1.1	48	4.4	52.9	8.0	7.0	5.7	4.8
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	1.4	54	4.9	67.0	9.0	8.0	6.0	6.0
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	1.8	60	5.5	82.7	9.5	9.0	10.6	6.0
66	3.0	50.3	6.5	8.0	5.1	3.5	8.0	2.7	66	6.0	100.1	10.5	10.0	14.1	6.5
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	3.5	72	6.6	119.1	11.0	11.0	17.6	7.5
78	3.6	70.2	8.0	9.0	8.1	4.0	9.0	3.9	78	7.1	139.8	12.0	12.0	22.5	8.0
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	5.3	84	7.6	162.1	13.0	12.5	27.2	8.5
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	6.3	90	8.2	186.1	14.0	13.5	33.7	9.5
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	7.4	96	8.7	211.7	15.0	14.5	41.2	10.0

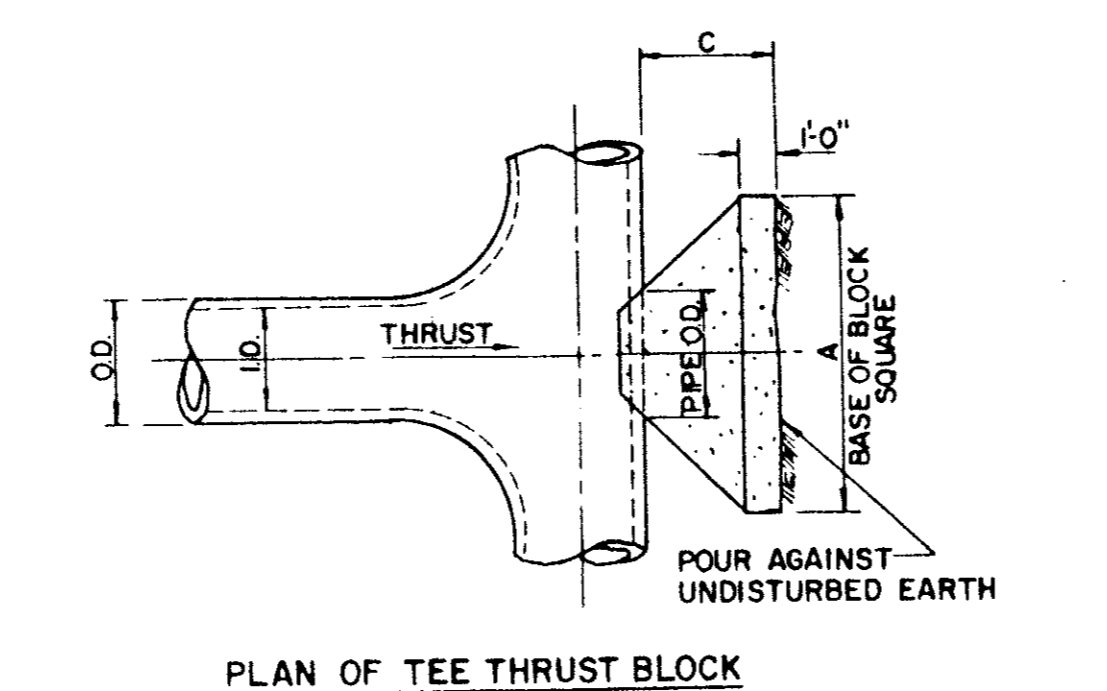
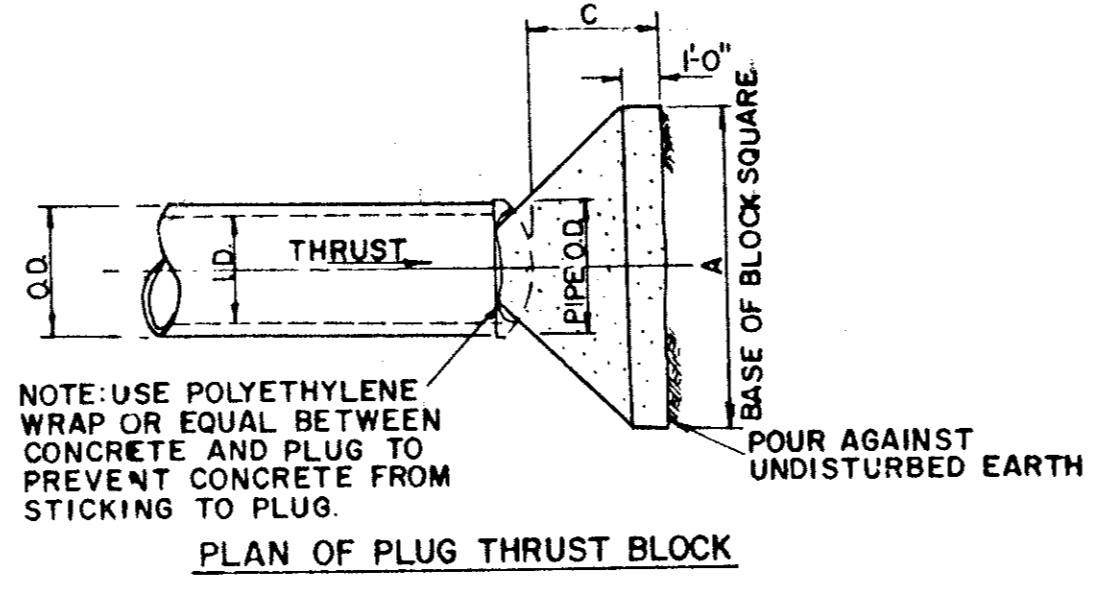
HORIZONTAL BEND THRUST BLOCK



I.D. (IN.)	THRUST TONS	VOL. C.Y.	11.25°		22.50°		30°		45°		67.50°		90°		I.D. (IN.)
			A	B	A	B	A	B	A	B	A	B	A	B	
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	4.9	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	36.2	19.1	54.0	27.0	70.5	35.3	76.4	36.2	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	126.0	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	76.3	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	164.0	358.0	179.0	78		
84	81.1	40.5	159.0	79.3	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		

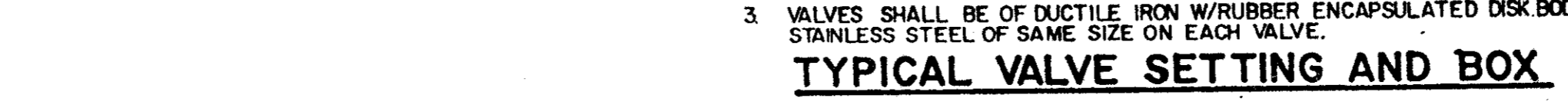
GENERAL NOTES - FOR ALL THRUST BLOCKS
 1. All Calculations Are Based On Internal Pressure Of 200 P.S.I. For 24" I.D. Pipe And Smaller And 150 P.S.I. On 30" I.D. And Larger.
 2. Volumes Of Vertical Bend Thrust Blocks Are Net Volumes Of Concrete To Be Furnished. The Corresponding Weight Of The Concrete (Gross 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	C (FT.)	EARTH		ROCK	
			A	B	A	B
4.6, 8	1.1	1.5	2.5	0.3	2.0	0.2
10, 12	1.3	1.5	3.5	0.6	2.9	0.5
16, 18	2.5	2.0	5.9	1.4	5.0	0.9
20	3.1	2.0	6.0	1.3	4.0	0.9
24	4.5	2.5	7.0	1.3	5.0	1.7
30	5.3	3.0	7.5	4.1	5.3	2.4
36	7.6	4.0	9.0	7.3	6.3	4.2
42	10.4	4.5	10.5	11.0	7.5	6.2
48	13.6	5.0	12.0	19.6	8.5	8.7
54	17.2	5.5	13.5	21.4	9.5	8.7
60	21.2	6.0	15.0	28.4	10.5	11.9
66	23.0	6.5	16.5	36.8	11.5	20.5
72	27.0	7.5	17.5	47.2	12.5	27.2
78	35.8	8.0	19.0	58.9	13.5	33.7
84	41.6	8.5	20.5	72.3	14.5	41.2
90	47.7	9.0	22.0	87.7	15.5	49.7
96	54.3	9.5	23.5	104.8	16.5	61.0

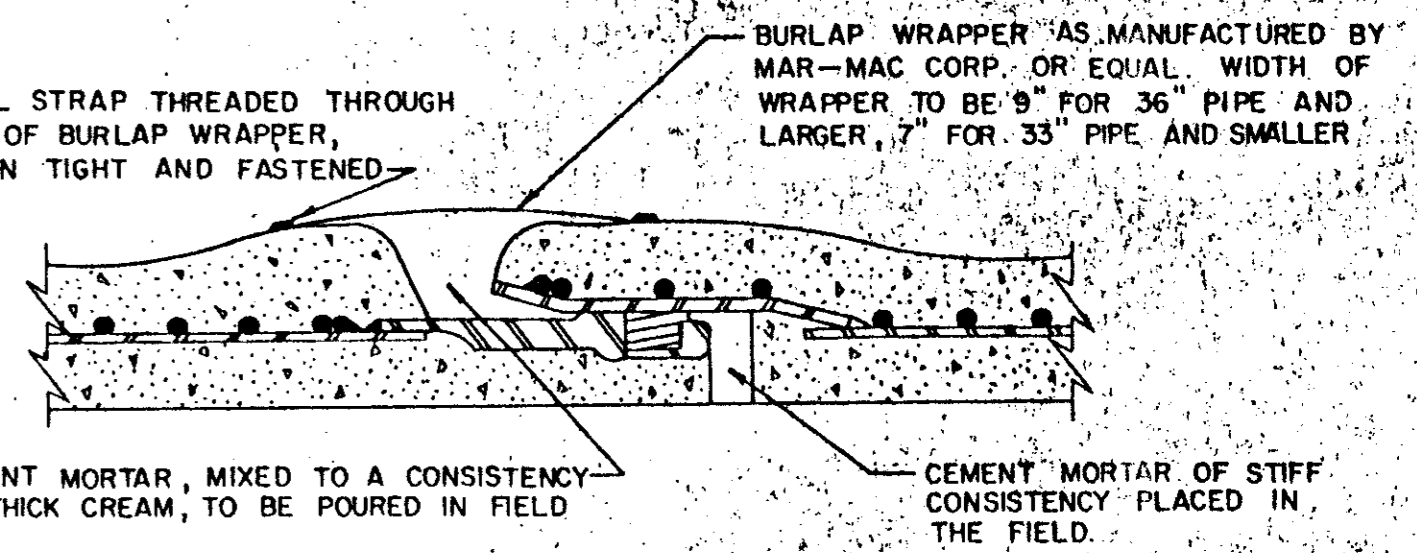
PLUG & TEE THRUST BLOCK



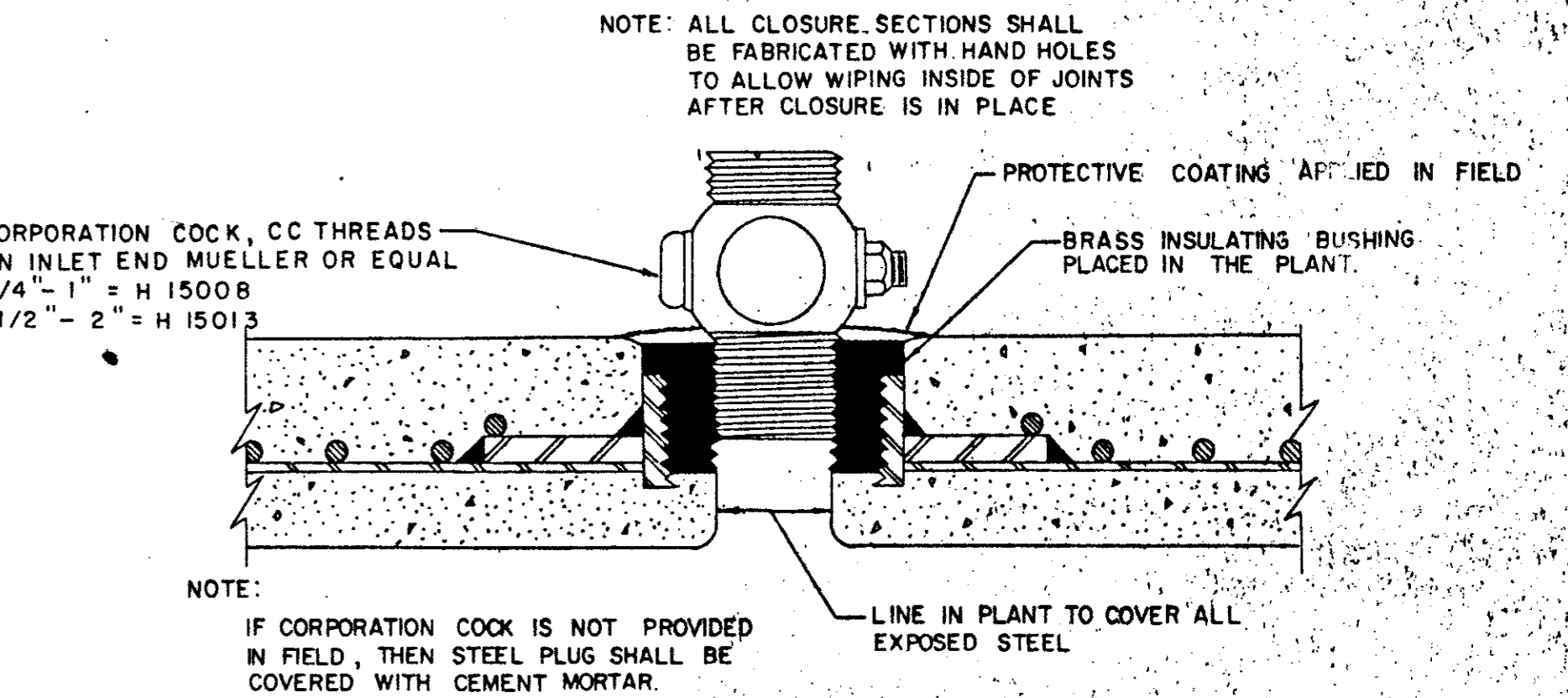
TYPICAL VALVE SETTING AND BOX

NOTE:
 1. GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509-80 OR LATEST THEREOF ALL VALVES SHALL BE "MUELLER" OR APPROVED EQUAL.
 2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE THATS OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4" OF VALVE BOX LID. MANUFACTURED VALVE STACK DUCTILE IRON PIPE TO BE USED FOR EXTENSION GREATER THAN 4'-0". BELL END OF STACK TO BE FITTED OVER VALVE. VALVE AND VALVE STACK IS TO BE POLY WRAPPED.
 3. VALVES SHALL BE OF DUCTILE IRON W/RUBBER ENCAPSULATED DISK BODY BOLTS SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.

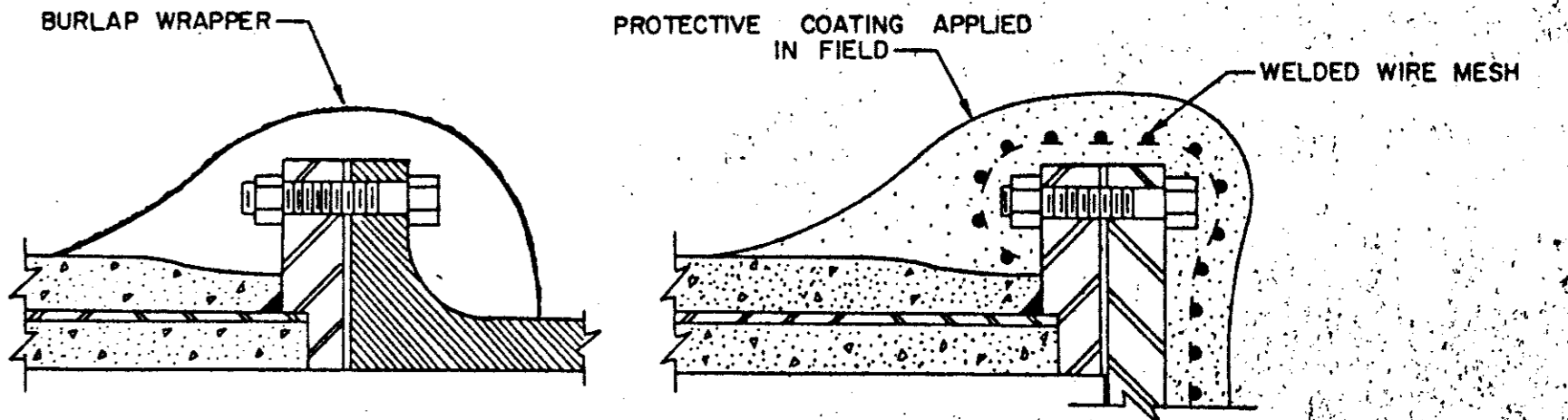
NOTE:
 PROVIDE 1" MINIMUM THICKNESS CONCRETE OR CEMENT MORTAR COATING IN THE FIELD FOR THE PROTECTION OF ALL EXPOSED STEEL SUCH AS FLANGES, CALKED JOINTS, THREADED OUTLETS, CLOSURES, ETC. THE CEMENT MORTAR USED SHALL CONSIST OF ONE PART PORTLAND CEMENT TO TWO AND ONE-HALF PARTS OF FINE SHARP (PLASTER) SAND. WHERE SHOWN, COATING IS TO BE REINFORCED WITH WIRE MESH.



STANDARD RUBBER GASKET JOINT



THREADED CONNECTION



FLANGED CONNECTIONS

REINFORCED CONCRETE CYLINDER PIPE DETAILS

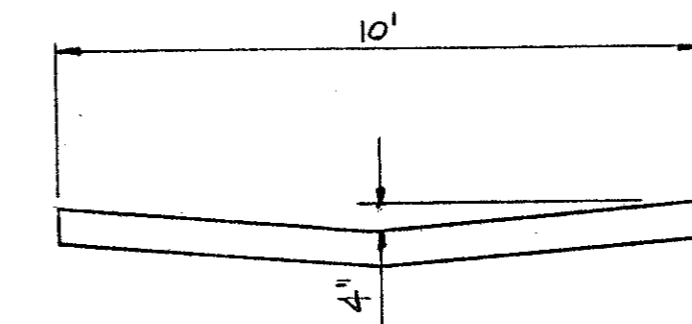
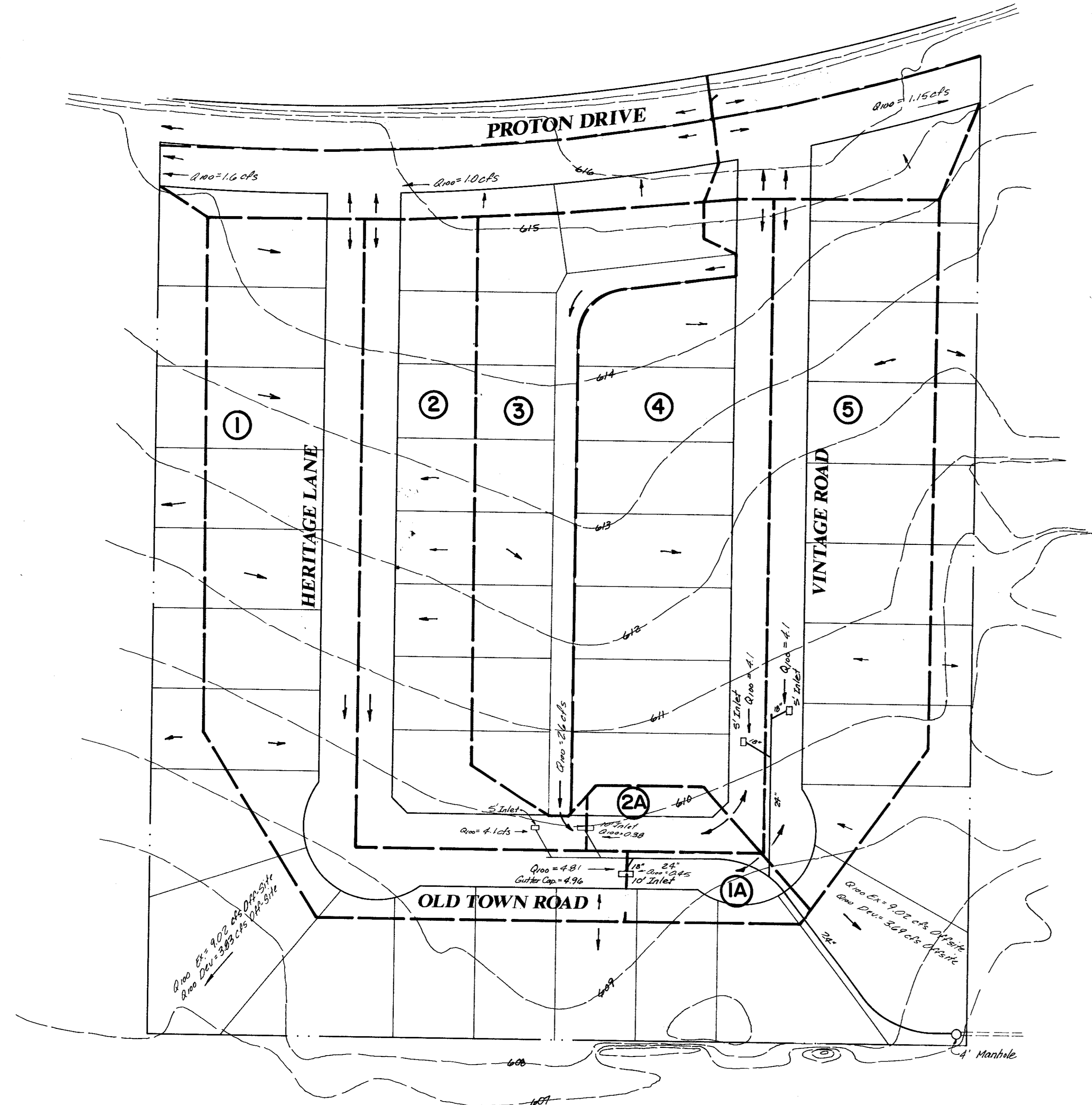
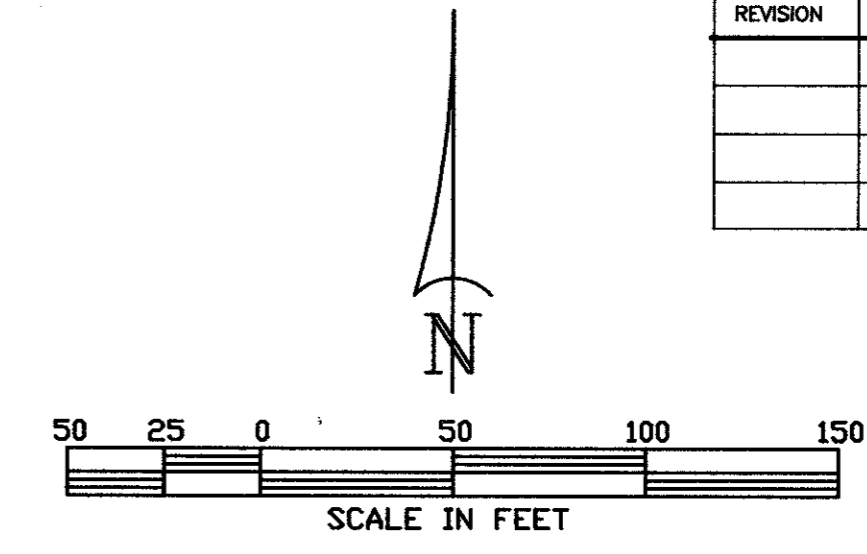
AS BUILT

TOWN OF ADDISON, TEXAS
 DEPARTMENT OF ENGINEERING
STANDARD CONSTRUCTION DETAILS
WATER
THRUST BLOCKS

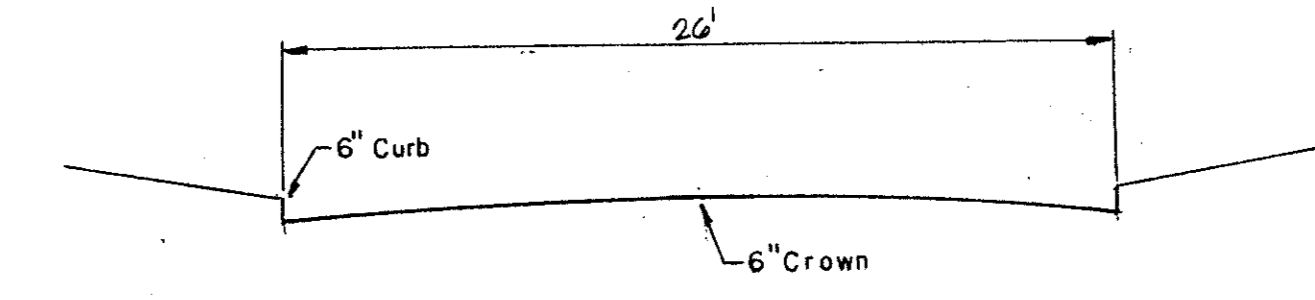
Designed -	Drawn -	Date - JULY, 1991	Job No. - 90025-3
Approved -	Checked -	Scale -	Sheet ID-9 OF

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY

AREA NO.	AREA (ACRES)	Tc	Cr	CvxA	Im	Q _{in} (cfs)	Q _{in} BYPASS	INLET	BYPASS
1	1.28	.15	.5	0.7	7.52	4.81	-	1-10'	0
1A	0.12	.15	.5	0.6	7.52	0.45	-	-	0
2	1.10	.15	.5	0.6	7.52	4.1	-	1-5'-10"	0
2A	0.10	.15	.5	0.5	7.52	0.38	-	-	0
3	0.7	.15	.5	0.35	7.52	2.63	-	-	0
4	1.1	.15	.5	0.55	7.52	4.1	-	1-5'	0
5	1.1	.15	.5	0.55	7.52	4.1	-	1-5'	0



$Q = \frac{1.486}{n} AR^{2/3} S^{1/2}$
 $Q = \frac{1.486}{0.016} (1.67) \left(\frac{167}{10}\right)^{2/3} S^{1/2}$
 $Q_{Alley} = 47.04 S^{1/2}$
 $S = 1.16\%$
 $Q = 5.06 \text{ cfs}$
ALLEY CAPACITY



$Q = \frac{1.486}{n} AR^{2/3} S^{1/2}$
 $n = 0.016$
 $A = 4.33 \text{ Ft}^2$
 $Q = \frac{1.486}{0.016} (4.33) \left(\frac{4.33}{27}\right)^{2/3} S^{1/2}$
 $Q_{Str.Cap} = 118.70 S^{1/2}$
 $S = 0.50\%$
 $Q = 84 \text{ cfs (42 cfs/side)}$
STREET CAPACITY

AS BUILT

- LEGEND**
- DRAINAGE AREA LINE
 - - - - - EXIST. CONTOUR LINE
 - P — PROP. STORM SEWER LINE
 - EXIST. STORM SEWER LINE
 - ① DRAINAGE AREA

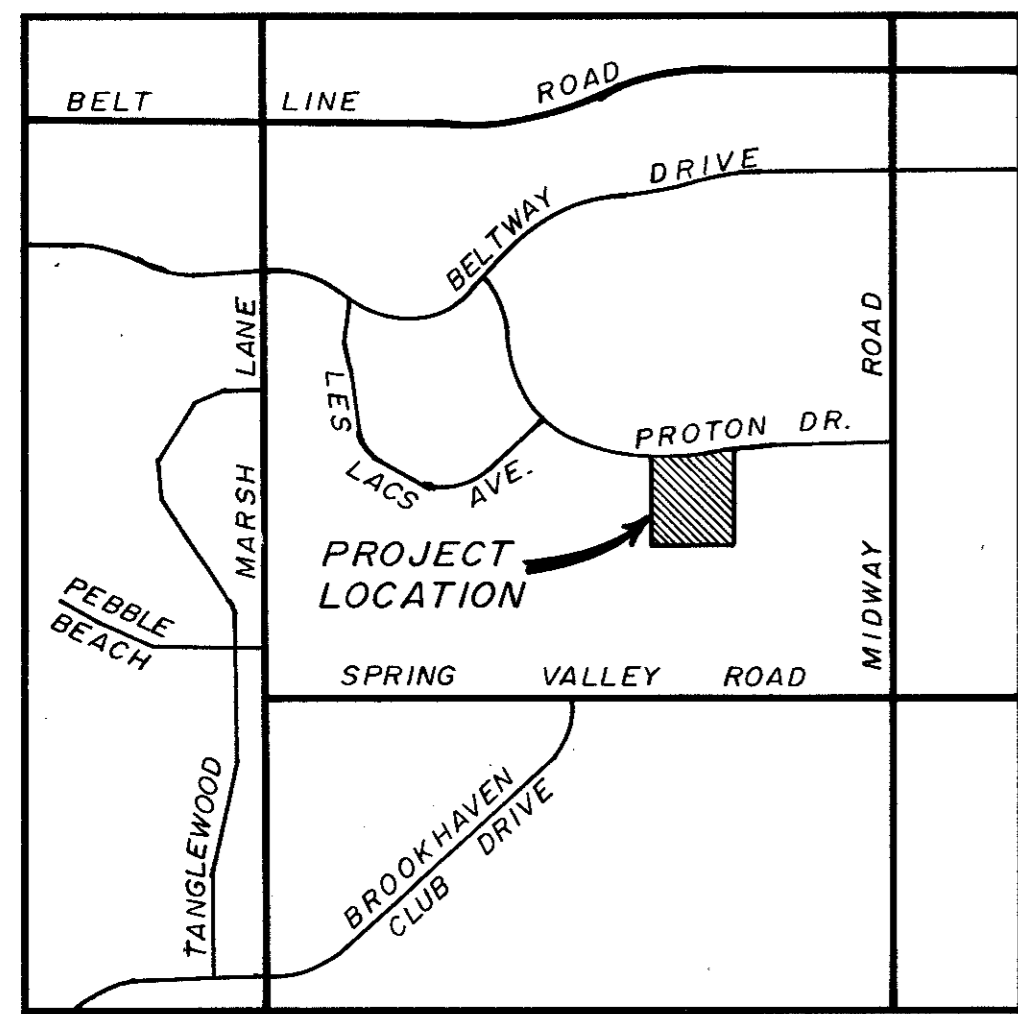
DRAINAGE AREA MAP

WESTFIELD COURT
TOWN OF ADDISON, TEXAS

Date: JUNE 1991 Scale: 1"=50' SHEET _____ OF _____

Drawn By: TNC Approved By: TNC DA-1 SHEETS

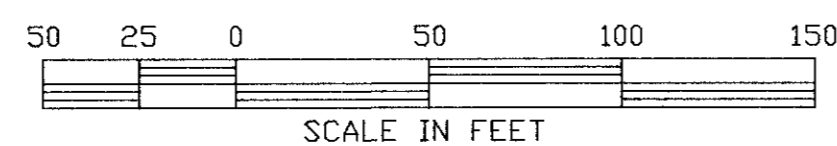
THE NELSON CORPORATION
 LAND PLANNING • ENGINEERING • SURVEYING
 5999 SUMMERSIDE DRIVE SUITE 202 • DALLAS, TEXAS 75262 • (214) 390-2805



LOCATION MAP

LES LACS GARDEN HOMES
VOL. 82049, PG. 1860

8.4844 ACRES
BELTWAY LES LACS LTD.
VOL. 90077, PG. 2272

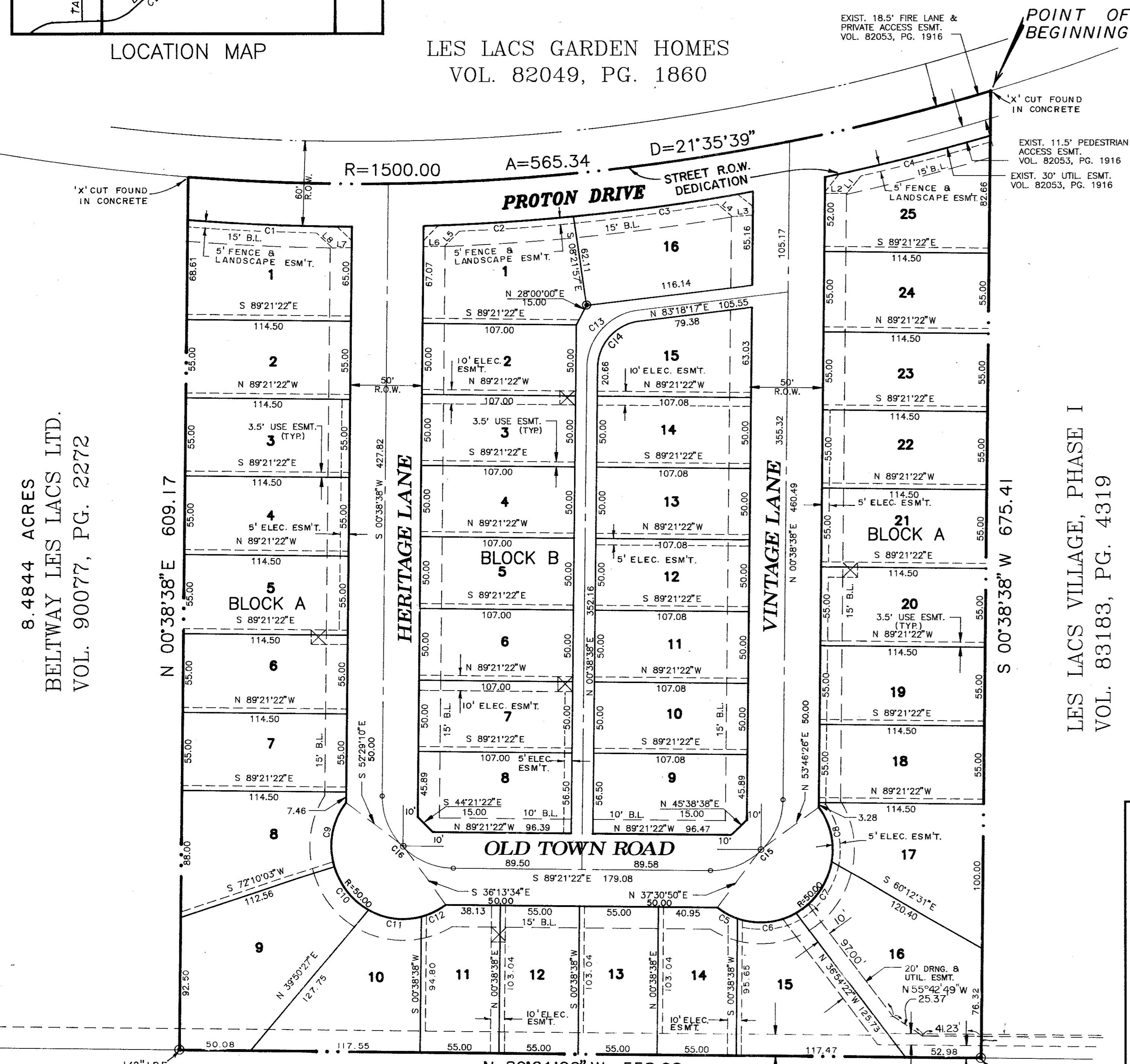


EXIST. 18.5' FIRE LANE & PRIVATE ACCESS ESMT.
VOL. 82053, PG. 1916

POINT OF BEGINNING

EXIST. 11.5' PEDESTRIAN ACCESS ESMT.
VOL. 82053, PG. 1916

EXIST. 30' UTIL. ESMT.
VOL. 82053, PG. 1916



LINE	BEARING	DISTANCE
1	N 38°55'08" E	16.14
2	S 89°21'22" E	26.50
3	N 89°21'22" W	26.56
4	S 49°22'11" E	13.05
5	N 44°10'18" E	14.52
6	S 89°21'22" E	15.00
7	S 89°21'22" E	15.00
8	S 44°09'12" E	14.19

CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG.
1	04°17'27"	1530.00	114.56	114.56	57.32	S 87°33'05" E
2	03°54'43"	1530.00	104.76	104.44	52.25	N 86°28'27" E
3	04°43'52"	1530.00	126.33	126.30	63.20	N 82°09'09" E
4	04°26'24"	1530.00	118.56	118.53	59.31	N 78°38'15" E
5	18°16'00"	50.00	15.94	15.87	8.04	S 61°37'10" W
6	48°27'49"	50.00	42.29	41.04	22.50	N 85°00'55" E
7	50°50'21"	50.00	44.37	42.92	23.76	N 35°21'50" E
8	48°10'13"	50.00	40.29	39.21	21.31	N 13°08'27" W
9	54°10'06"	50.00	47.27	45.53	25.57	S 10°25'47" W
10	44°25'40"	50.00	38.77	37.81	20.42	S 38°52'06" E
11	43°29'51"	50.00	37.96	37.05	19.65	S 42°49'52" E
12	12°138'47"	50.00	18.89	18.78	9.59	N 64°35'04" E
13	82°38'38"	40.00	57.71	52.83	35.18	S 41°58'27" W
14	82°38'38"	32.50	42.93	46.89	28.58	S 41°58'27" W
15	90°00'00"	50.00	78.54	70.71	50.00	S 45°38'38" W
16	90°00'00"	50.00	78.54	70.71	50.00	S 44°21'22" E

GREENHILL SCHOOL ADDITION
VOL. 87200, PG. 1886

SURVEYOR CERTIFICATION

STATE OF TEXAS
COUNTY OF DALLAS

THAT I, Brian Marcus, do hereby certify that I have prepared this plat from an actual survey of the land and that the corner monuments shown thereon actually exist, and their location, size and material described are correctly shown.

BRIAN MARCUS,
Registered Professional Land Surveyor #4695
THE NELSON CORPORATION
5999 Summerside Drive, Dallas, Texas 75252,
(214) 380-2605

STATE OF TEXAS
COUNTY OF DALLAS

BEFORE ME, the undersigned, a Notary Public in and for the State of Texas, on this day personally appeared Brian Marcus, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this _____ day of _____, 1991.

Notary Public, State of Texas

APPROVED this _____ day of _____, 1991, by the Planning and Zoning Commission of the Town of Addison, Texas.

City Secretary
Town of Addison, Texas

Mayor,
Town of Addison, Texas

OWNER CERTIFICATION

STATE OF TEXAS
COUNTY OF DALLAS

WHEREAS, ARCADIA LAND PARTNERS 3, acting by and through the undersigned, its duly authorized officer, is the owner of that 8.0001 acre tract land out of the THOMAS L. CHENOWITH SURVEY, Abstract No. 273 in the Town of Addison, Dallas County, Texas conveyed by deed recorded in Volume 88006, Page 5295, Deed Records of Dallas County, Texas and being more particularly described as follows:

BEGINNING at a cross cut found in the concrete street and in the south line of Les Lacs Garden Homes, an addition to the Town of Addison, Texas according to the plat thereof recorded in Volume 82049, Page 1860, Deed Records of Dallas County, Texas and for the northwest corner of Les Lacs Village, Phase I, an addition to the Town of Addison, Texas according to the plat thereof recorded in Volume 83183, Page 4319, Deed Records of Dallas County, Texas and the northeast corner of the beforementioned 8.0001 acre tract;

THENCE with the west line of the said addition, South 00° 38' 38" West, a distance of 675.41 feet to a 1/2" iron rod found, replaced with a concrete monument set in the north line of Greenhill School Addition, an addition to the Town of Addison, Texas according to the plat thereof recorded in Volume 87200, Page 1886, Deed Records of Dallas County, Texas for the southwest corner of Les Lacs Village, Phase I;

THENCE with the north line of said addition, North 89° 21' 22" West, a distance of 558.08 feet to a 1/2" iron rod found, replaced with a concrete monument set for the southeast corner of the 8.4844 acre tract conveyed to Beltway Les Lacs Ltd. by deed recorded in Volume 90077, Page 2272, Deed Records of Dallas County, Texas;

THENCE with the west line of the said tract, North 00° 38' 38" East, a distance of 609.17 feet to a cross cut found in the concrete street and in the south line of Les Lacs Garden Homes and for the northeast corner of the 8.4844 acre tract and, the beginning of a non-tangency curve to the left, having a central angle of 21° 35' 39", a radius of 1500.00 feet and a chord bearing and distance of North 83° 52' 34" East, 562.00 feet;

THENCE with the said south line and the said curve, an arc distance of 565.34 feet to the POINT OF BEGINNING and containing 8.0001 acres of land.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

THAT ARCADIA LAND PARTNERS 3, does hereby adopt this plat designating the hereinabove property as WESTFIELD COURT, an addition to the Town of Addison, Texas, and, subject to the conditions, restrictions and reservations stated hereinafter, owner dedicates to the public use forever the streets and alleys shown thereon.

The easements shown on this plat are hereby reserved for the purposes as indicated, 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 and 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.

Water main and sanitary sewer easements shall also include additional area of working space for construction and maintenance of the systems. Additional easement area is also conveyed for installation and maintenance of manholes, cleanouts, fire hydrants, water service and sewer services from the main 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 Plano, Texas, this _____ day of _____, 1991.

ARCADIA LAND PARTNERS 3

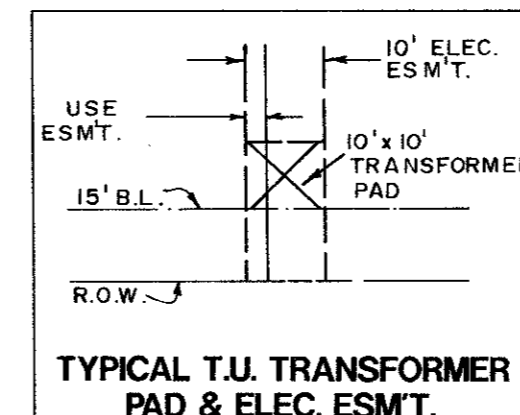
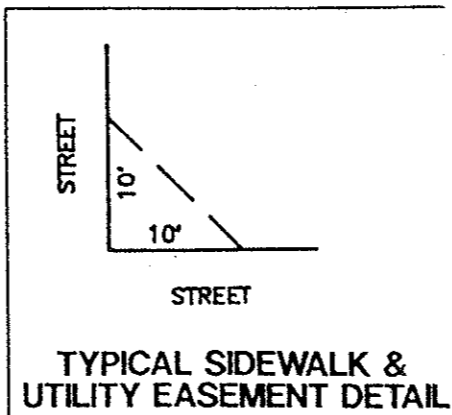
William Gietema, Jr., In His Capacity
As CEO For ARCADIA REALTY CORP., In Its
Capacity As General Partner For
ARCADIA LAND PARTNERS 3

STATE OF TEXAS
COUNTY OF COLLIN

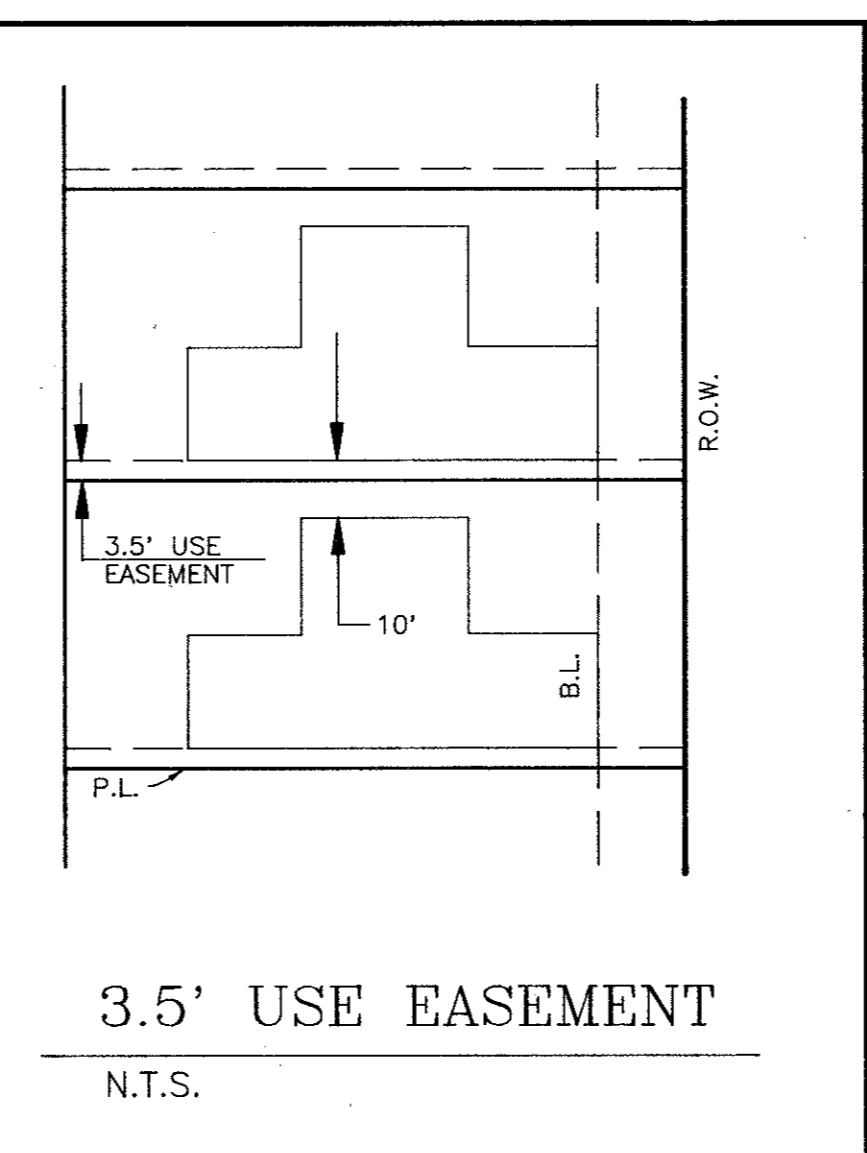
BEFORE ME, the undersigned, a Notary Public in and for the State of Texas, on this day personally appeared William Gietema, Jr., General Partner, of ARCADIA LAND PARTNERS 3, known to me to be the person and officer whose name is subscribed to the foregoing instrument, and acknowledged to me that the same was as the act of such partnership for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY SEAL OF OFFICE this _____ day of _____, 1991.

Notary Public, State of Texas



- NOTES:
1. Driveway Access/Curb Cuts to Proton Drive are prohibited.
 2. No masonry fences or columns are permitted within the 20 foot utility/drainage easement between lots 15 and 16, Block A.
 3. Property owners shall provide access to the utility/drainage easements as may be necessary for inspection and maintenance of facilities by the Town of Addison Public Utility Companies.
- NOTE:
ALL IRON RODS SET ARE 5/8" IRON ROD EXCEPT PC, PT, PI & BLOCK CORNERS ARE 1" IRON ROD SET, UNLESS NOTED.
© CONCRETE MONUMENT SET.



FINAL PLAT
OF
WESTFIELD COURT
AN ADDITION TO THE TOWN OF ADDISON
8.0001 ACRE TRACT
OUT OF THE
THOMAS L. CHENOWITH SURVEY, ABSTRACT NO. 273
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

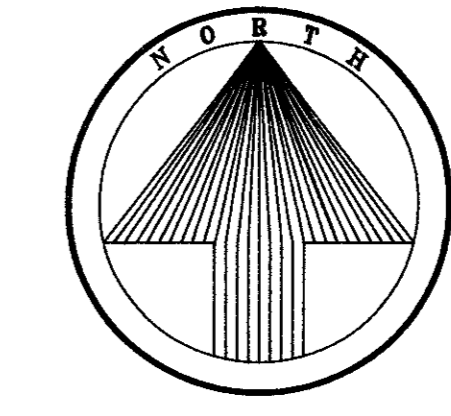
OWNER-APPLICANT
ARCADIA LAND PARTNERS 3
415 W. WALL, SUITE 2018
MIDLAND, TEXAS 79702
(915) 683-3386

PLANNER-ENGINEER-SURVEYOR
THE NELSON CORPORATION
5999 SUMMERSIDE DRIVE, SUITE 202
DALLAS, TEXAS 75252
(214) 380-2605

JUNE 1991

SCALE 1"=50'

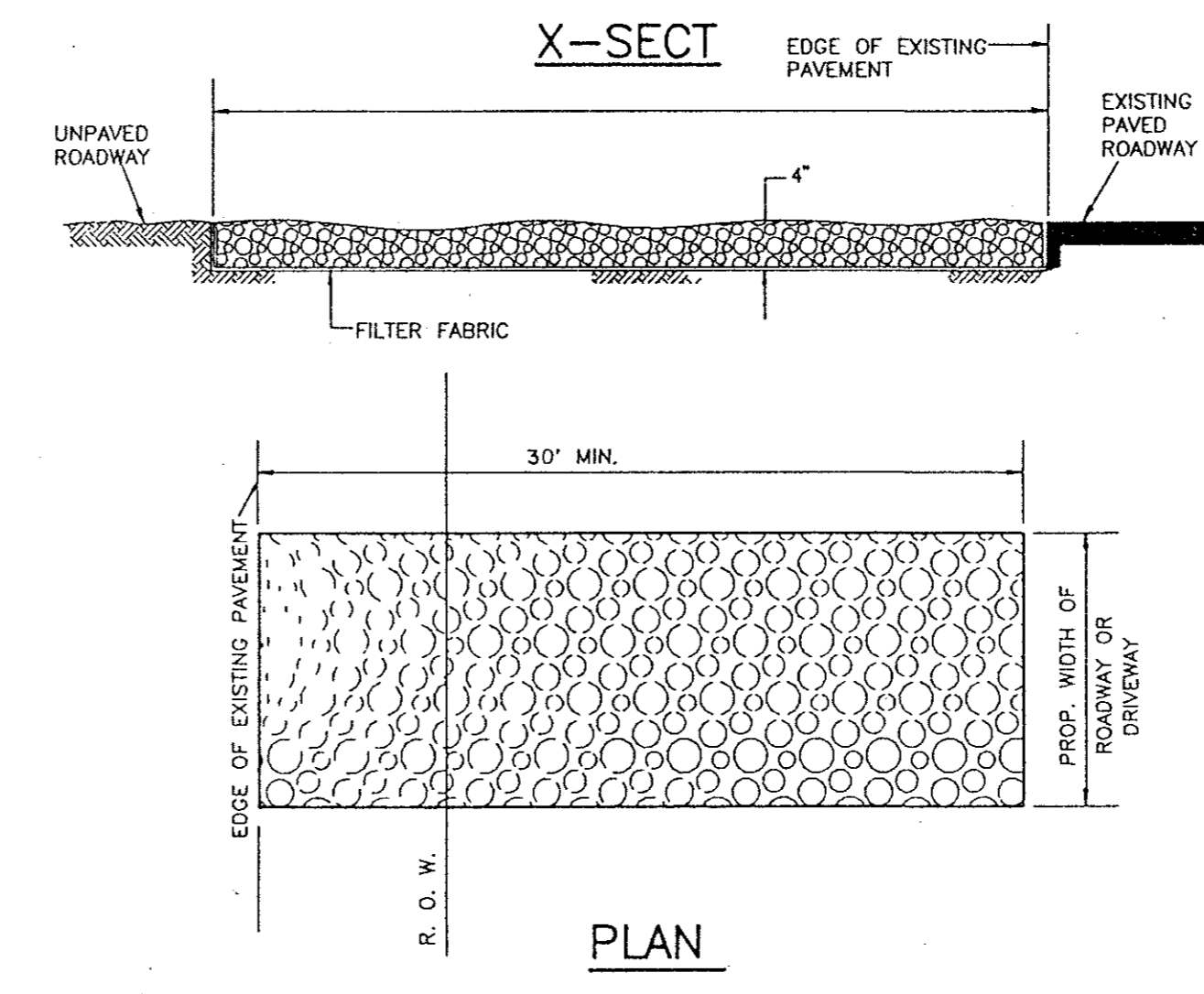
REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



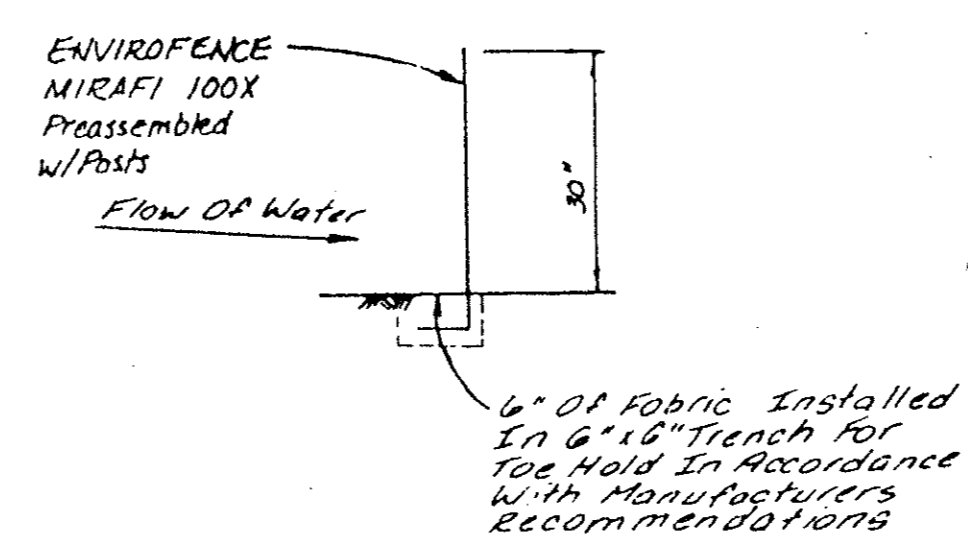
STABILIZED CONSTRUCTION ACCESS

A STABILIZED CONSTRUCTION ENTRANCE APPLIES TO POINTS OF CONSTRUCTION INGRESS AND EGRESS WHERE SEDIMENT MAY BE TRACKED OR FLOW OFF THE CONSTRUCTION SITE.

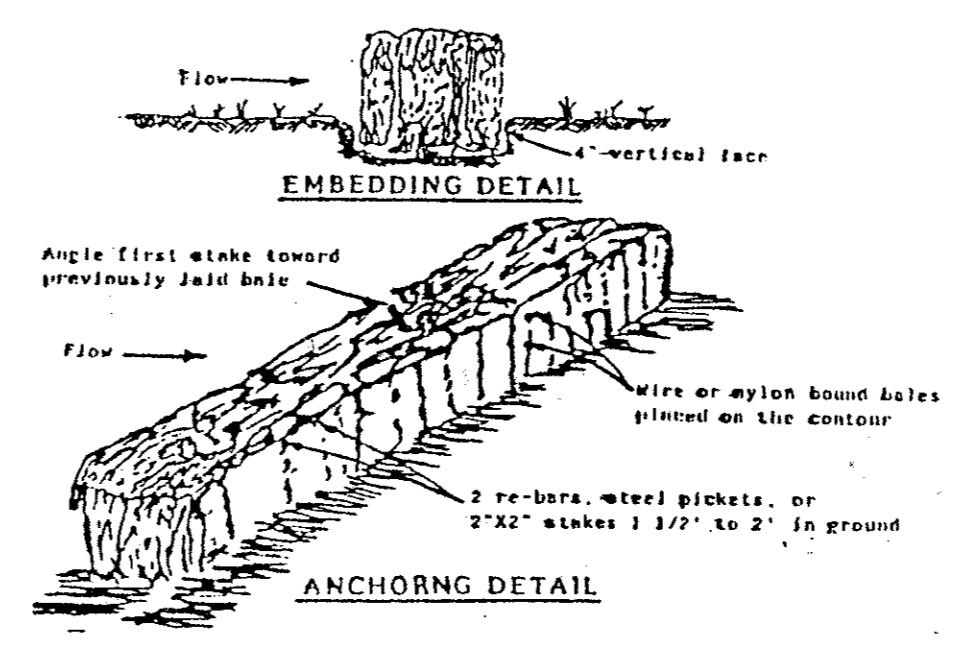
MAINTENANCE
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.



MAINTENANCE
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.



SILTATION FENCE EROSION CONTROL DEVICE



HAY BALE EROSION CONTROL DEVICE

EROSION CONTROL SPECIFICATIONS

- The grading contractor shall provide and maintain erosion control devices in the areas indicated on the grading plan or any other areas as directed by the Owner's representative or the Town of Addison.
- The utility contractor shall provide and maintain an erosion control device around all openings into the storm sewer system to project completion or as directed by Owner's representative or the Town of Addison.
- The paving contractor shall, upon completion of fine grading provide and maintain erosion control devices in the areas indicated on the grading plan or as directed by the Owner's representative or the Town of Addison.
- Upon completion of fine grading, all street parkways shall be seeded, fertilized and maintained by the paving contractor.
- Erosion control devices may be added or reduced in the field as directed by the Town of Addison's inspector or Owner's representative.

GRADING SPECIFICATIONS

- All Grading shall conform to the following sections of the North Central Texas C.O.G. Standard Specifications for Public Works construction, latest edition, as applicable:

Item	3.2	Clearing and Grubbing
	3.3	Unclassified Street Excavation
	3.4	Parkways
	3.5	Unclassified Channel Excavation
	3.6	Barrow
	3.7	Embankment
- Lot Grading shall be completed to provide sufficient dirt on each pad to achieve the critical pad grades and spot grades on each lot. After achieving critical pad grades indicated on this plan, the contractor is to uniformly fill all pads until the preferred pad grade is met, or, fill pad grades in priority locations as indicated by the engineer.
- Compaction performed in pad areas, streets and alleys shall be a minimum of 95% density at a moisture content of 1 to 3% wet of optimum.
- Remove topsoil in street/alley right-of-ways and pad areas to a depth of 4". Place topsoil in front and backyard areas at the direction of the Owner's representative.
- Finished Floor elevations are assumed to be 9" above Finished Pad elevations.
- The Grading contractor is to provide pad compaction testing for each 8' lift at the rate of one random test at the direction of the engineer for every four pads.
- All lots are to be left in a smooth, bladed condition, without any severe change in slope or low spots. Minimum grade across any lot is to be 1%. Maximum slope is to be 3:1, unless otherwise approved in the field.
- All excess material shall be distributed throughout the site.
- TOLERANCES FOR GRADING ARE:

	ROUGH GRADING	FINAL GRADING
Streets	± 0.1'	± 0.1'
Pads	± 0.5"	± 0.25"
Lot Corners	± 0.5"	± 0.25"

LEGEND

- EXISTING CONTOUR
- TC 70.75 — EXISTING TOP OF CURB ELEVATION
- FP 615.6 — CRITICAL FINISHED PAD ELEVATION
- FP 615.2 — PREFERRED FINISHED PAD ELEVATION
- DIRECTION OF FLOW
- EROSION CONTROL DEVICE BY GRADING
- CONTRACTOR MAINTAINED TO PROJECT COMPLETION
- EROSION CONTROL DEVICE BY PAVING
- CONTRACTOR PLACED UPON COMPLETION OF FINAL GRADING
- 710 — PROPOSED TOP OF CURB OR SPOT ELEVATION
- PROBABLE RETAINING WALL
- EROSION CONTROL DEVICE BY UTILITY CONTRACTOR
- EXISTING ASPHALT PAVEMENT TO BE REMOVED.
- ⓑ — BLOCK NUMBER

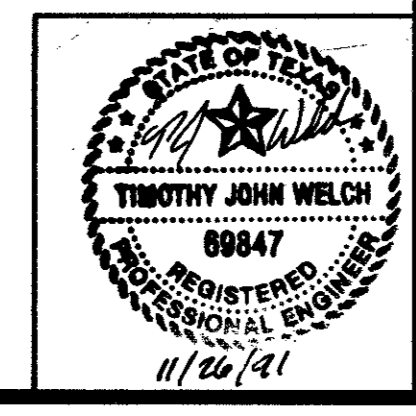
AS BUILT

GRADING PLAN & EROSION PLAN

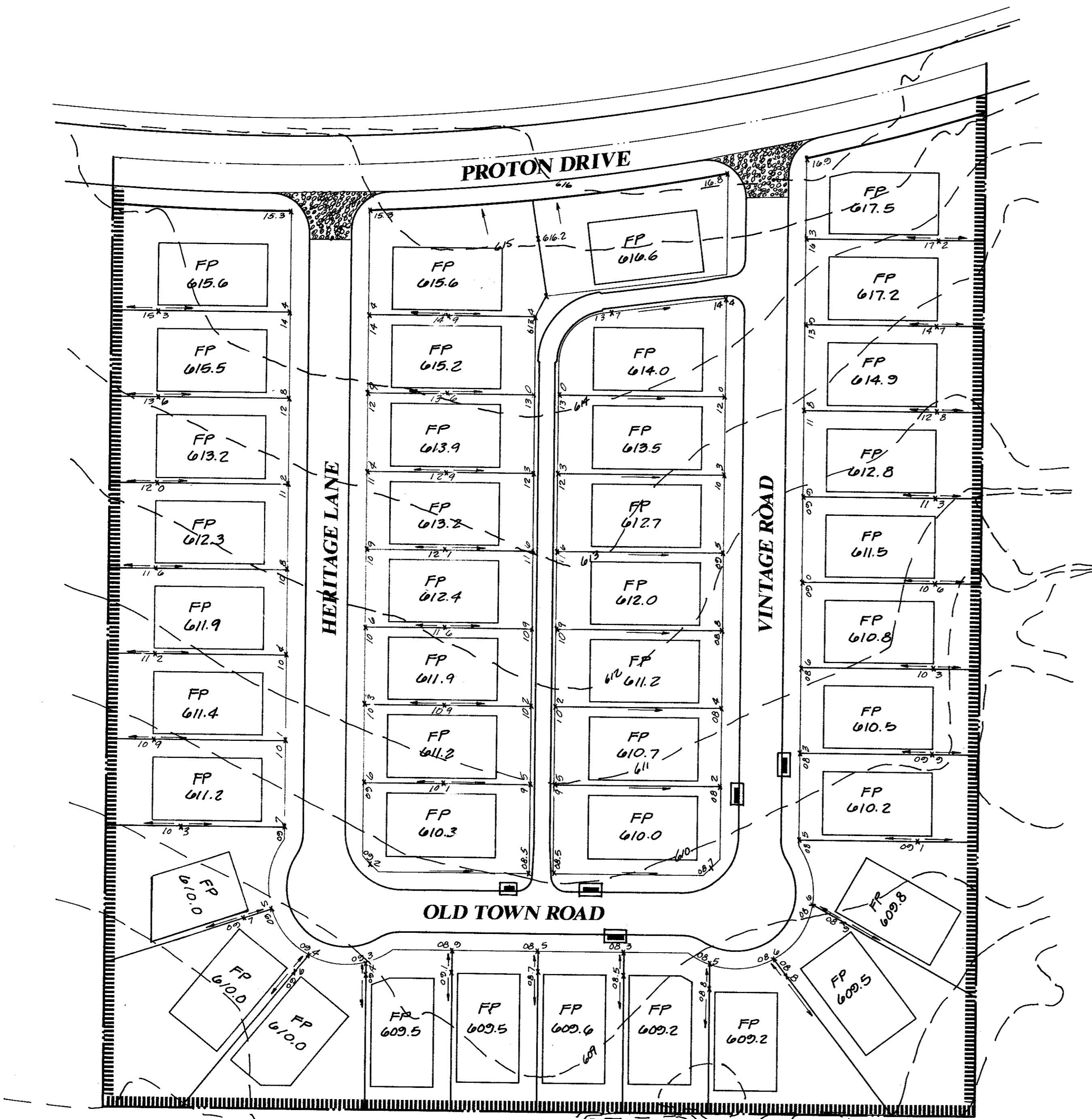
WESTFIELD COURT

TOWN OF ADDISON, TEXAS

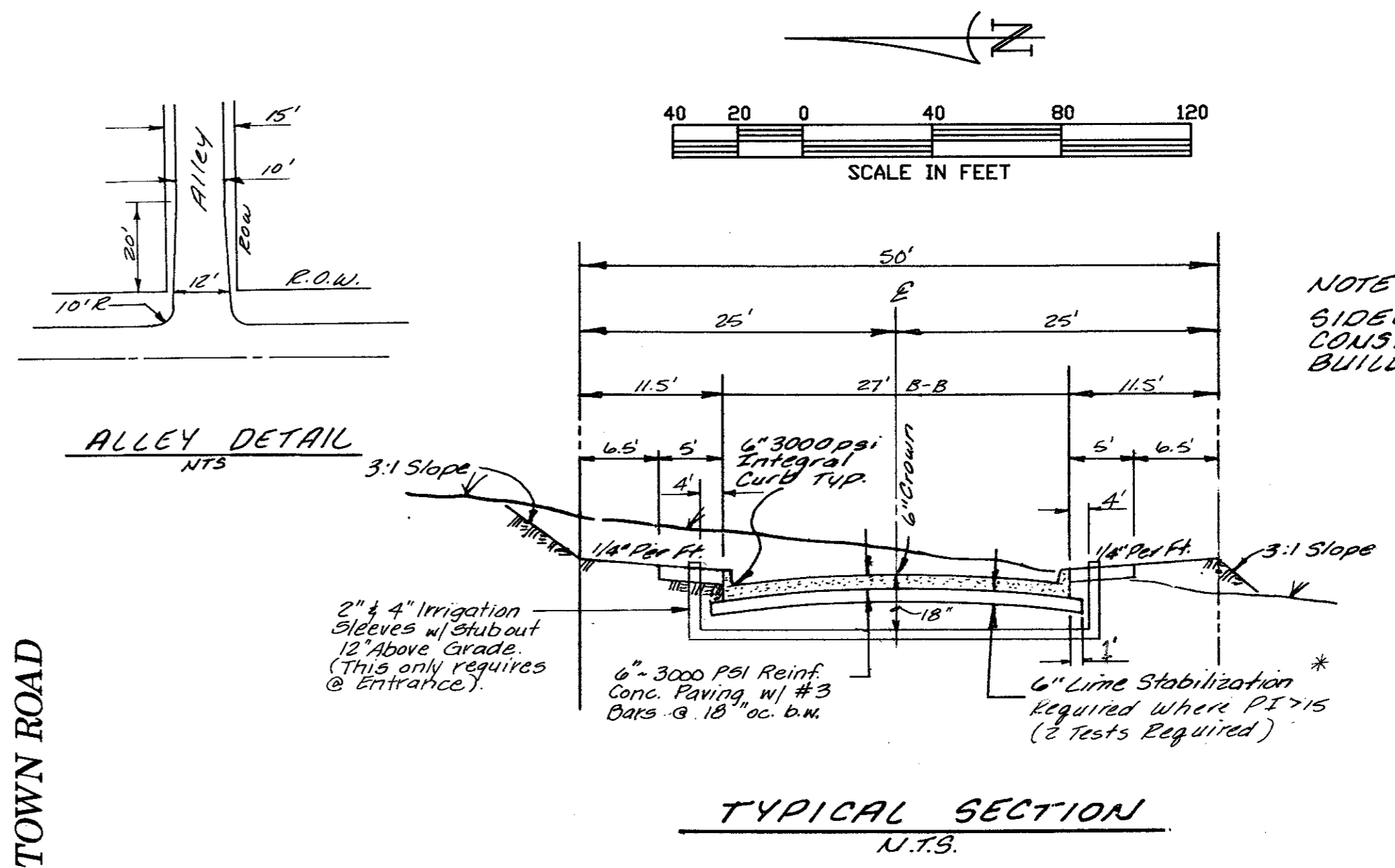
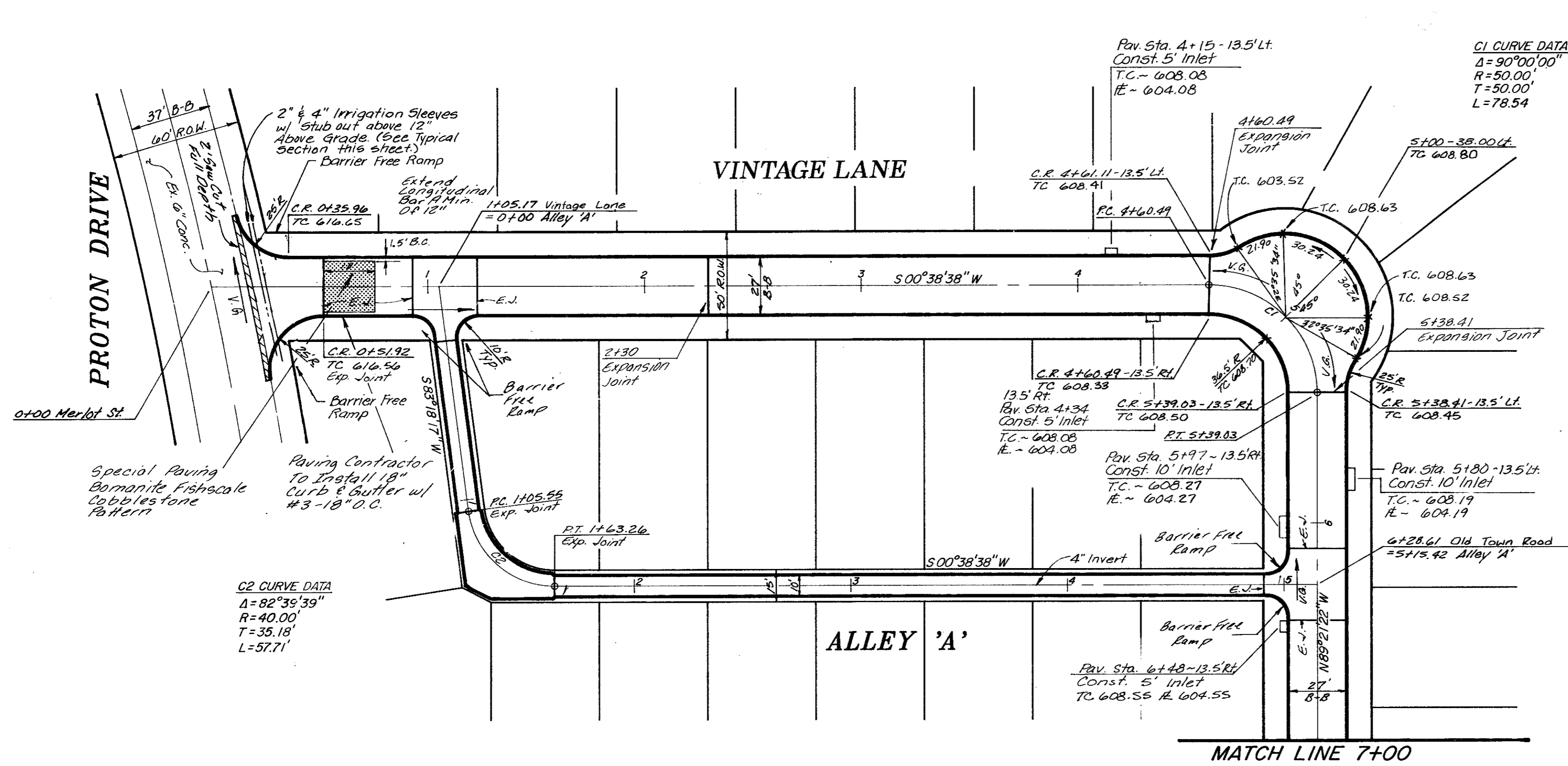
Date: JUNE 1991 Scale: 1"=50'
 Drawn By: TNC Approved By: TNC SHEET GR-1 OF 1 SHEETS



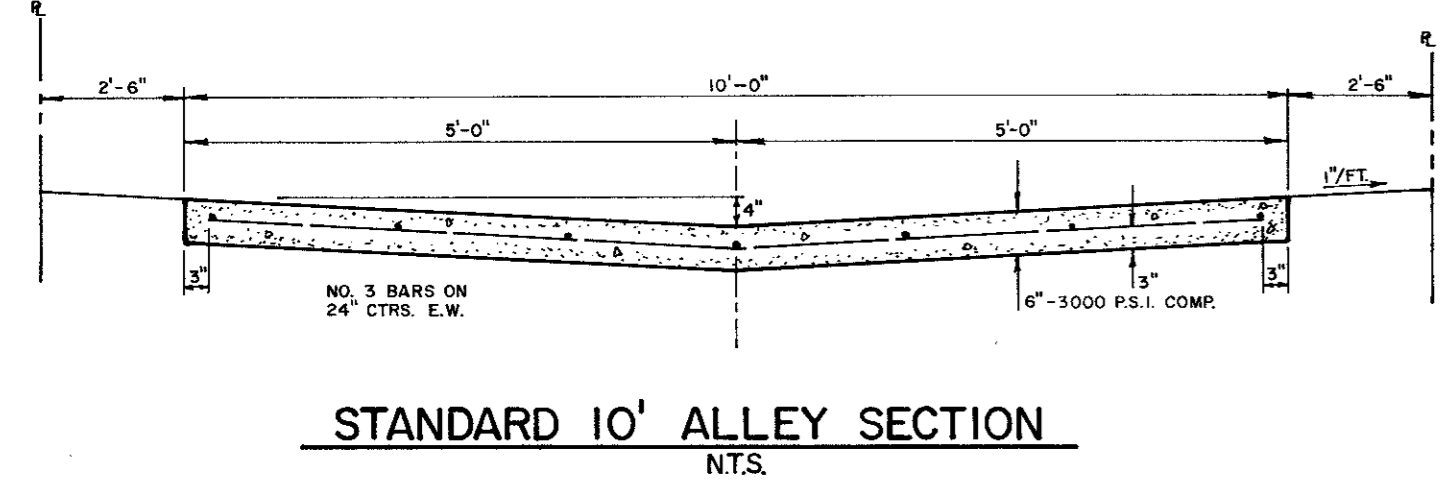
THE NELSON CORPORATION
 LAND PLANNING • ENGINEERING • SURVEYING
 6800 SUMMERSIDE DRIVE SUITE 202 • DALLAS, TEXAS 75262 • (214) 380-2805



Revisions	Date	Description	Drawn By	Checked By



NOTE:
 SIDEWALKS WILL BE
 CONST. BY HOME
 BUILDERS



PAVING GENERAL NOTES:

- Contraction Joints: Transverse contraction joints shall be sawed joints perpendicular to the centerline and surface of the pavement. Where sawed joints are used, contraction joints at 20-foot intervals shall be sawed as soon as sawing can be accomplished without damage to the pavement.
- Expansion Joints: Transverse expansion joints shall be formed perpendicular to the centerline and surface of the pavement and shall be constructed as shown on the plans.

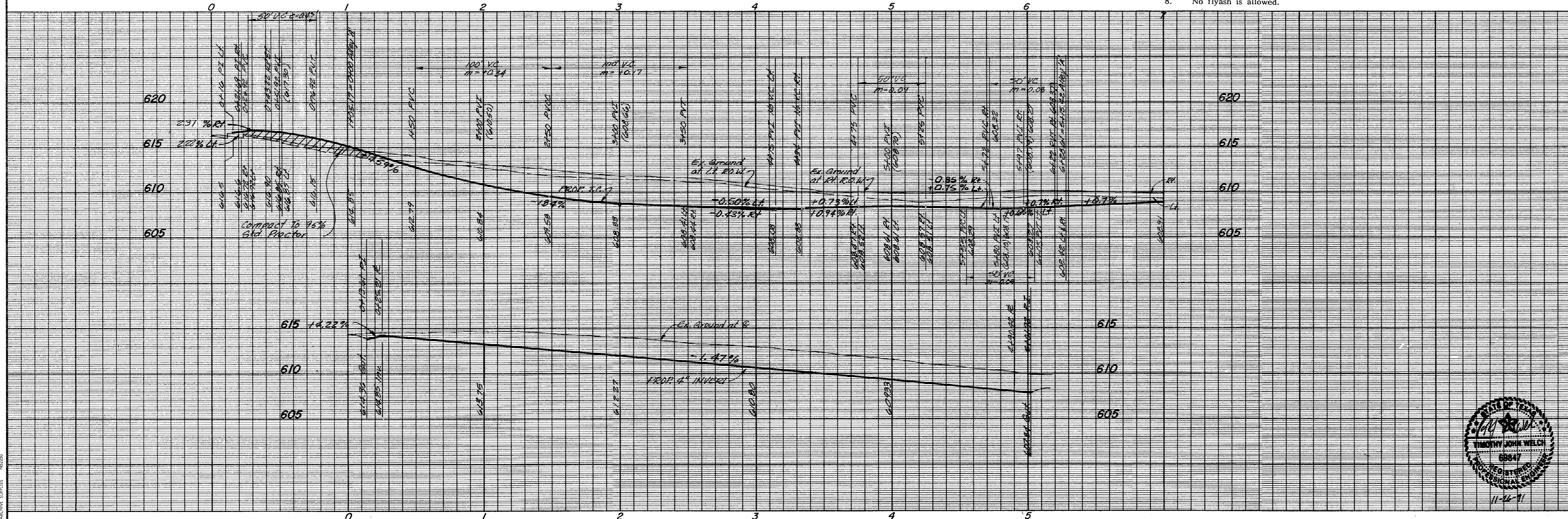
PAVING GENERAL NOTES:

- Unless otherwise noted all material and construction shall conform to applicable specifications of the Town of Addison with amendments - The North Central Texas Council of Governments "Standard Specifications for Public Works Construction", Parts I and II, latest edition.
- All curb dimensions are to back of curb.
- Pavement reinforcing will be grade 60.
- All on-site concrete pavement will be 6" thick and have a minimum strength of 3000 PSI at 28 days.
- Construct a barrier-free curb and ramp at all intersections. See Sheets P-2 for details.
- The Contractor will be responsible for field verifying the location of all existing utilities prior to his operations.
- Hydrated lime will be applied as a slurry.
- No flyash is allowed.

*OPTIMIZE LIME CONTENT BASED ON A
 LIME/PH CURVE PH SHOULD BE APPROX.
 12.43. TEST SHALL BE CONDUCTED BY
 A QUALIFIED GEOTECHNICAL FIRM
 PROVIDED BY THE DEVELOPER. TEST
 RESULTS SHALL BE PROVIDED TO THE
 CITY. SEPERATE TEST ARE REQUIRED
 WHEN SUBBERDE CONDITIONS CHANGE.

BENCH MARKS:

- Box cut in the northwest corner of the concrete foot of Tower No. 12N-2W-T294 at the intersection of the transmission lines with Midway Road. ELEV. 607.46
- Box cut in the concrete curb, located at the northeast corner of site. ELEV. 615.92
- Box cut in the northwest corner of the concrete foot of Tower No. 12N-3W-T290 at the angle point of the transmission line. ELEV. 613.16

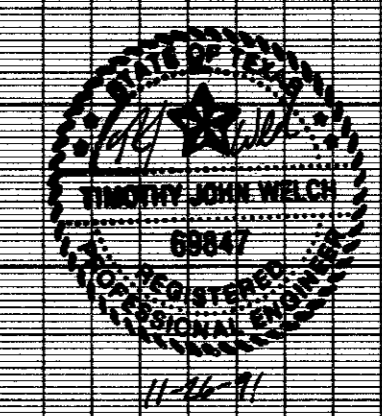


AS BUILT

PAVING PLAN & PROFILE
WESTFIELD COURT
 TOWN OF ADDISON, TEXAS

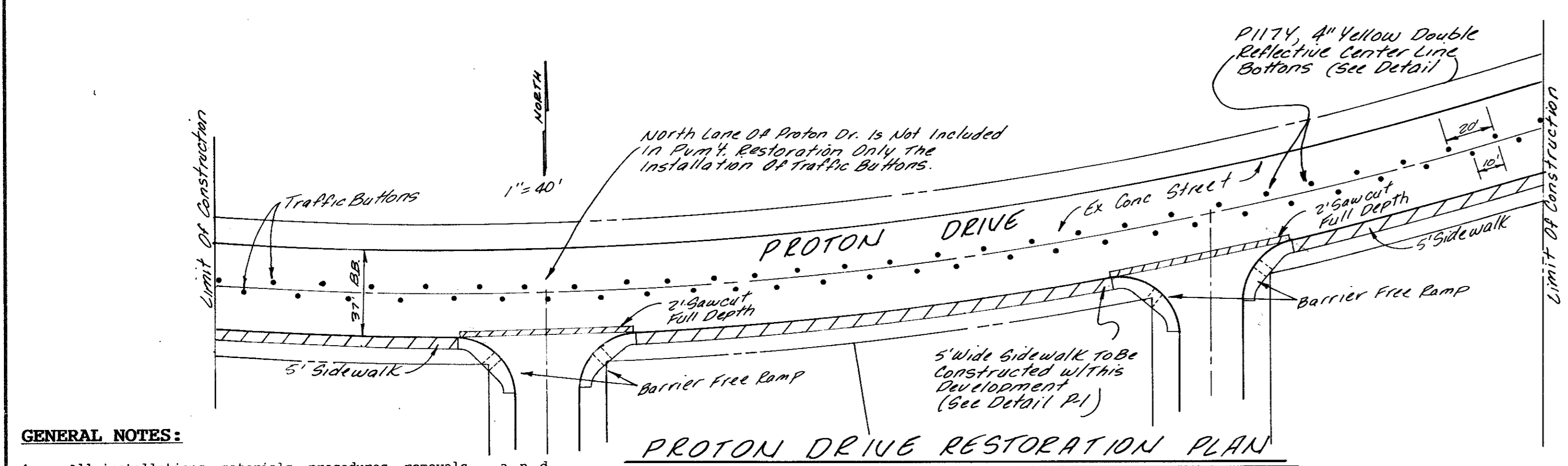
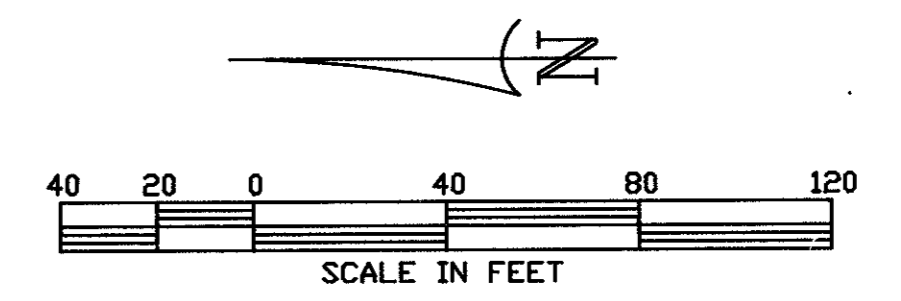
THE NELSON CORPORATION
 LAND PLANNING • ENGINEERING • SURVEYING
 5999 SUMMERSIDE DRIVE • SUITE 202 • DALLAS, TEXAS 75252 • (214) 380-2605

DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	JUNE, 1991	1"=40' H 1"=6' V	90025-3	P-1

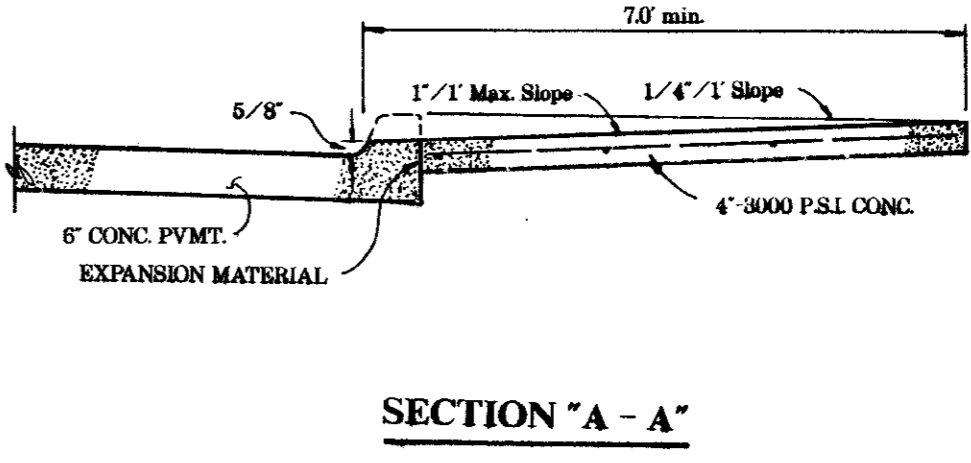
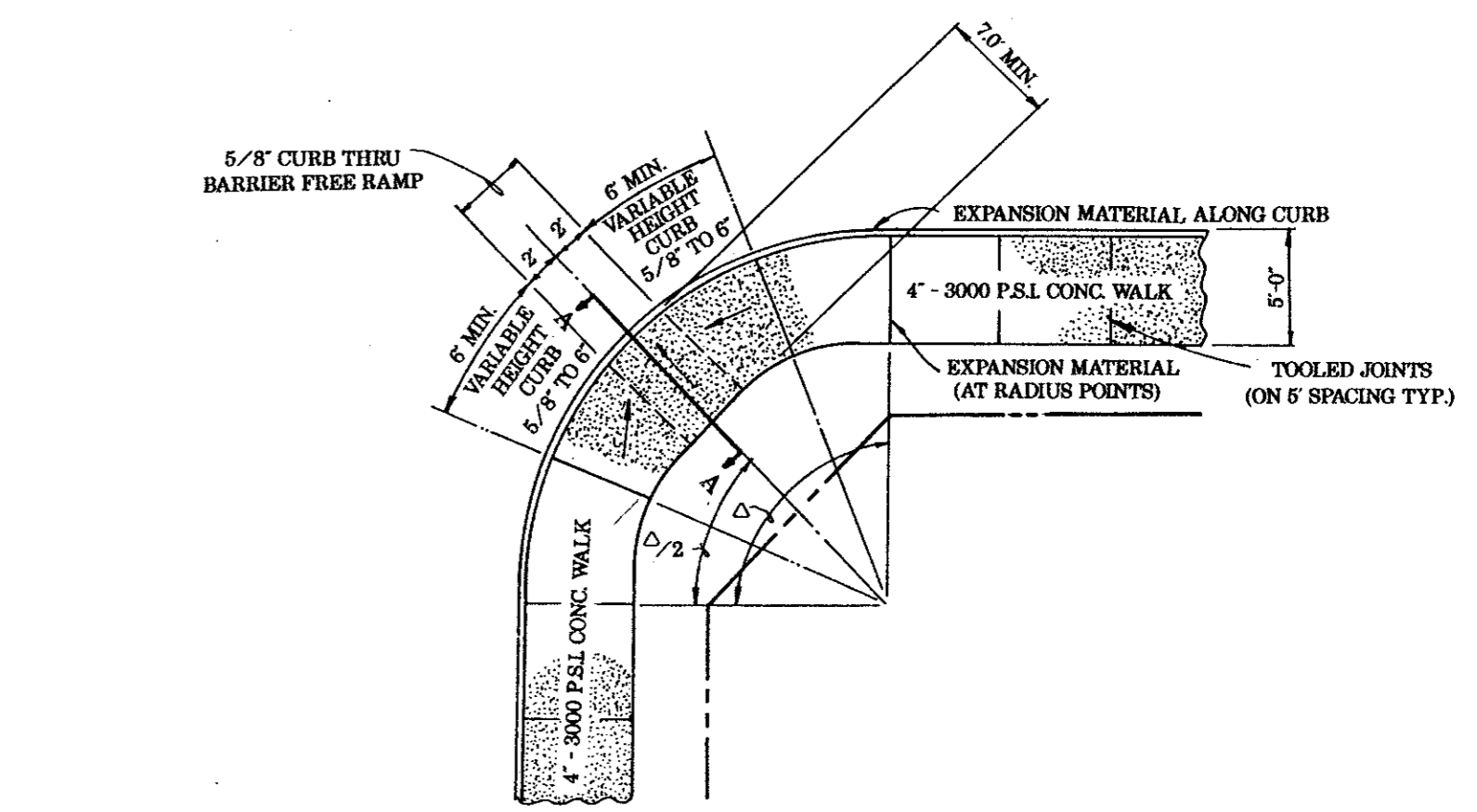
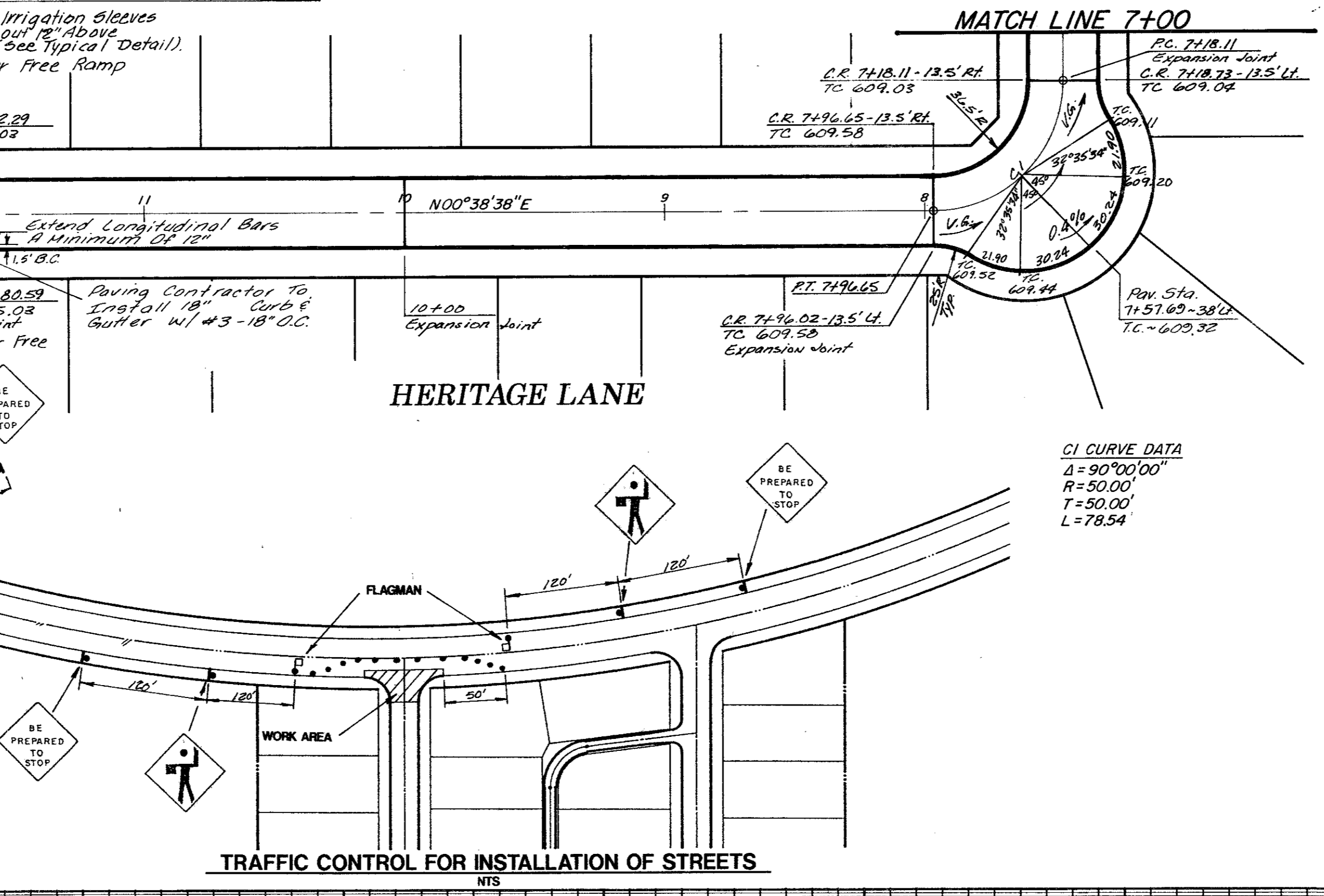
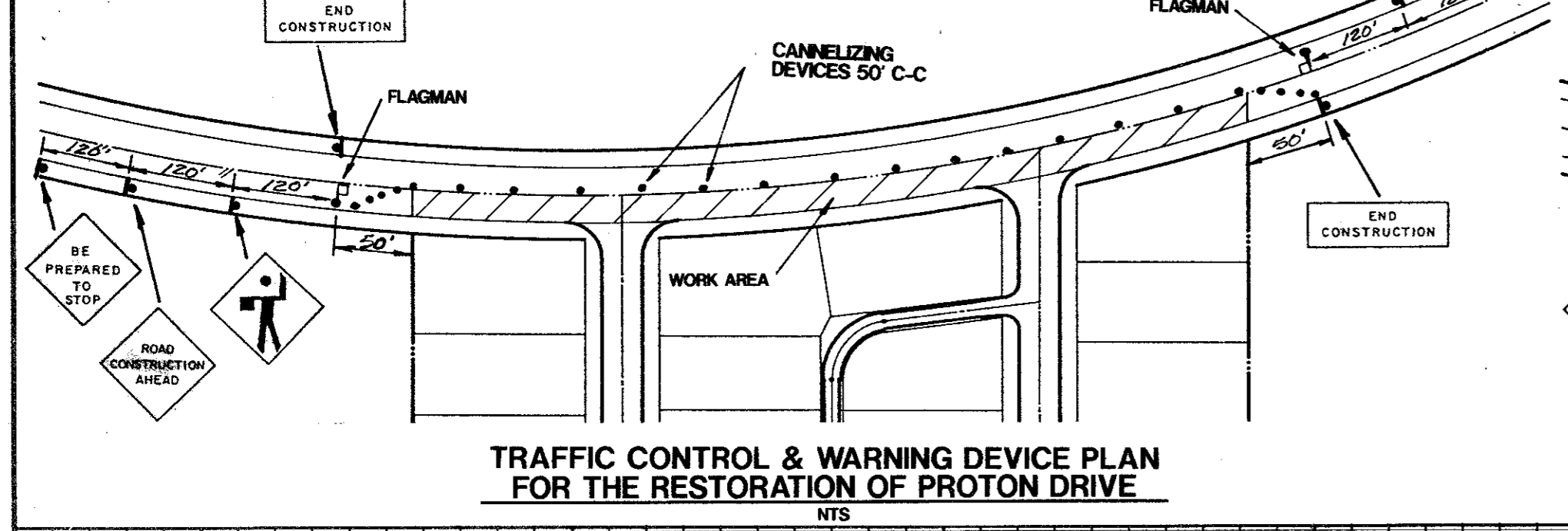


Revisions	Date	Description	Drawn By	Checked By

- GENERAL NOTES:
- The Contractor is required to place the necessary construction sign, detour sign, street closing sign, land closing sign, men working sign, two way traffic sign, warning signs, road construction and end of construction signs on the barricades at all times during the project construction as directed.
 - The Contractor is responsible to keep barricading in place and in working order at all times.
 - The Contractor is responsible for one (1) Port-a-can for each increment of 20 employees.
 - The Contractor shall be responsible for the restoration of the south lane only of Proton Drive to include joint sealing/repair, installation of five foot sidewalk, and traffic buttons which shall be constructed in accordance with the Town of Addison's standard specifications.
 - All joints through the gutters shall be sealed with hot-poured rubber sealer unless otherwise specified.
 - Any removal of concrete pavement shall be made by a power driven saw prior to the replacement of the paving.
 - The Contractor shall be responsible to visit site to field verify the condition of Proton Drive.



- GENERAL NOTES:
- All installations, materials, procedures, removals and maintenance of the traffic control devices (TCD's) shown on the plan shall conform with the latest edition of the Texas Manual on Uniform Traffic Control Devices (TMUTCD).
 - Portable signs shall be turned away from oncoming traffic when the contractor is not working.
 - During construction, maintain at a minimum one twelve foot lane on the existing road for thru traffic as shown on the Traffic Control & Warning Device Plan.
 - The height and positioning of proposed warning signs shall be as follows:
 - Single-panel signs shall be mounted a minimum height of 7' and double panel signs shall be mounted a minimum height of 6' as measured from the bottom edge of the bottom panel to the nearest roadway surface.
 - Warning signs shall be placed a minimum of 6' from the nearest pavement or shoulder edge as measured from the nearest panel edge.
 - Proposed sign posts shall be of breakaway material (portable, wood, perforated metal, etc.).
 - Sign panels shall have a smooth, sealed reflectorized surface of a color consistent with the TMUTCD with a contrasting legend.
 - Daily inspections of all proposed TCD's shall be made by the contractor to insure proper traffic control and good equipment condition.
 - Payment for installation, maintenance, removals, flagmen and other incidentals associated with the proposed traffic control plan on this sheet, will be subsidiary to the various bid items.

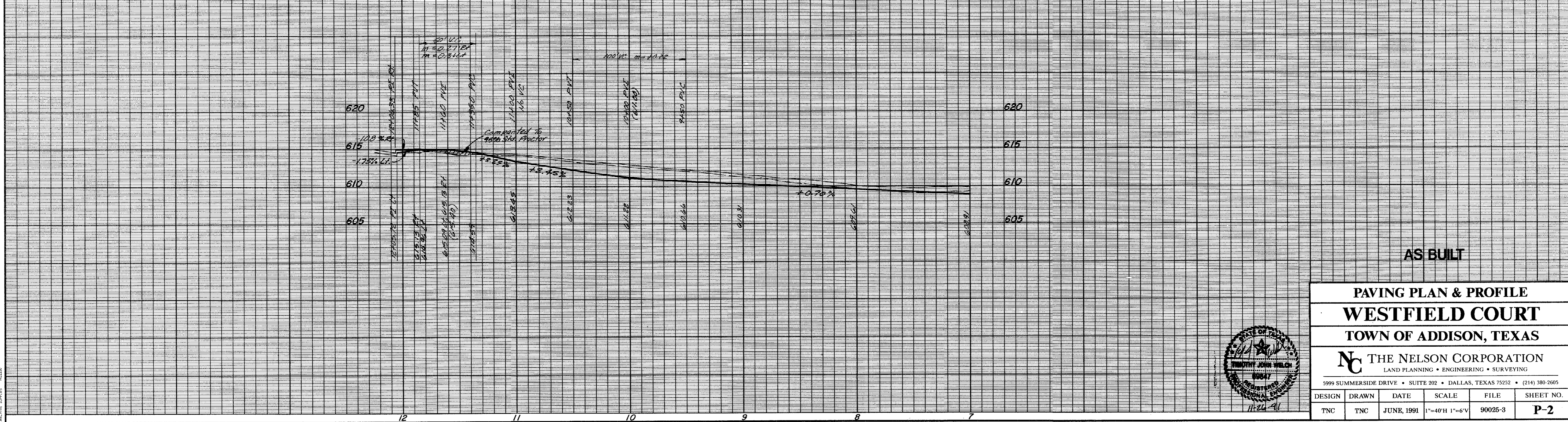


BENCH MARKS:

Box cut in the northwest corner of the concrete foot of Tower No. 12N-2W-T294 at the intersection of the transmission lines with Midway Road. ELEV. 607.46

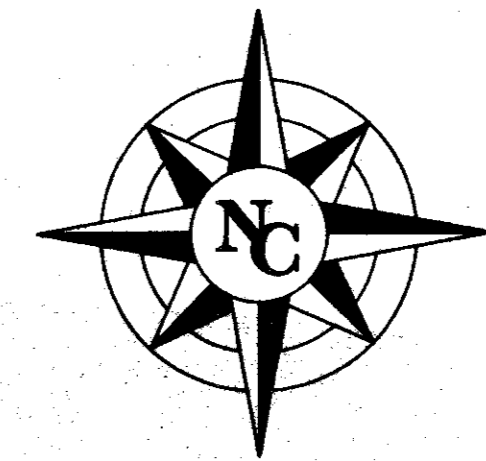
Box cut in the concrete curb, located at the northeast corner of site. ELEV. 615.92

Box cut in the northwest corner of the concrete foot of Tower No. 12N-3W-T290 at the angle point of the transmission line. ELEV. 613.16



5999 SUMMERSIDE DRIVE • SUITE 202 • DALLAS, TEXAS 75232 • (214) 380-2605					
DESIGN	DRAWN	DATE	SCALE	FILE	SHEET NO.
TNC	TNC	JUNE, 1991	1"=40'H 1"=6'V	90025-3	P-2

Revisions	Date	Description	Drawn By	Checked By



WEST FIELD COURT

PLANT LIST
OCTOBER 2, 1991
NC#90025-3/PLANTLIST

QTY	PLAN NAME/COMMON NAME	BOTANICAL NAME	SIZE	MIN. HGT/SPRD.	ROOT CONDITION	COMMENT
20	DWF. BURFORD HOLLY	ILEX CORNUTA "BURFORDII" NANA	5 GAL	24"114"	CONTAINER	
56	"CRIMSON PYGMY" BARBERY	BERBERIS THUNBERGII ATROPURPUREA ("CRIMSON PYGMY")	1 GAL	9"79"	CONTAINER	
72	L.F. STEEL EDGING			1/8" X 4"		RYERSON OR EQUAL
3	C.Y. CYPRESS MULCH					
4,400	S.F. HYDROMULCH					RYE SHALL BE HYDROMULCHED THIS FALL IN SPRING (APPROX. MID APRIL) RYE SHALL BE SCALPED AND LAWN AREA SHALL BE HYDROSEEDED WITH BERMUDA.

- NOTES:
- 1) ALL MATERIAL SHALL BE GUARANTEED FOR 1 YEAR.
 - 2) LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION. IF THERE ARE CONFLICTS BETWEEN LANDSCAPE AND EXISTING UTILITIES, NOTIFY THE LANDSCAPE ARCHITECT.
 - 3) LANDSCAPE CONTRACTOR WILL SUBCONTRACT THE IRRIGATION WORK. PROVIDE A SEPARATE LINE ITEM ON BID FOR CORPORATION FEE. THE SELECTED CONTRACTOR WILL PROVIDE AN IRRIGATION PLAN AND SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
 - 4) PROVIDE NAMES, ADDRESSES AND PHONE NUMBER OF ALL SUB-CONTRACTORS.
- ALTERNATES:
- 1) BID AS AN ALTERNATE THE ONE YEAR MAINTENANCE OF ALL INSTALLED MATERIAL. (SUBMIT MAINTENANCE SCHEDULE WITH BID)

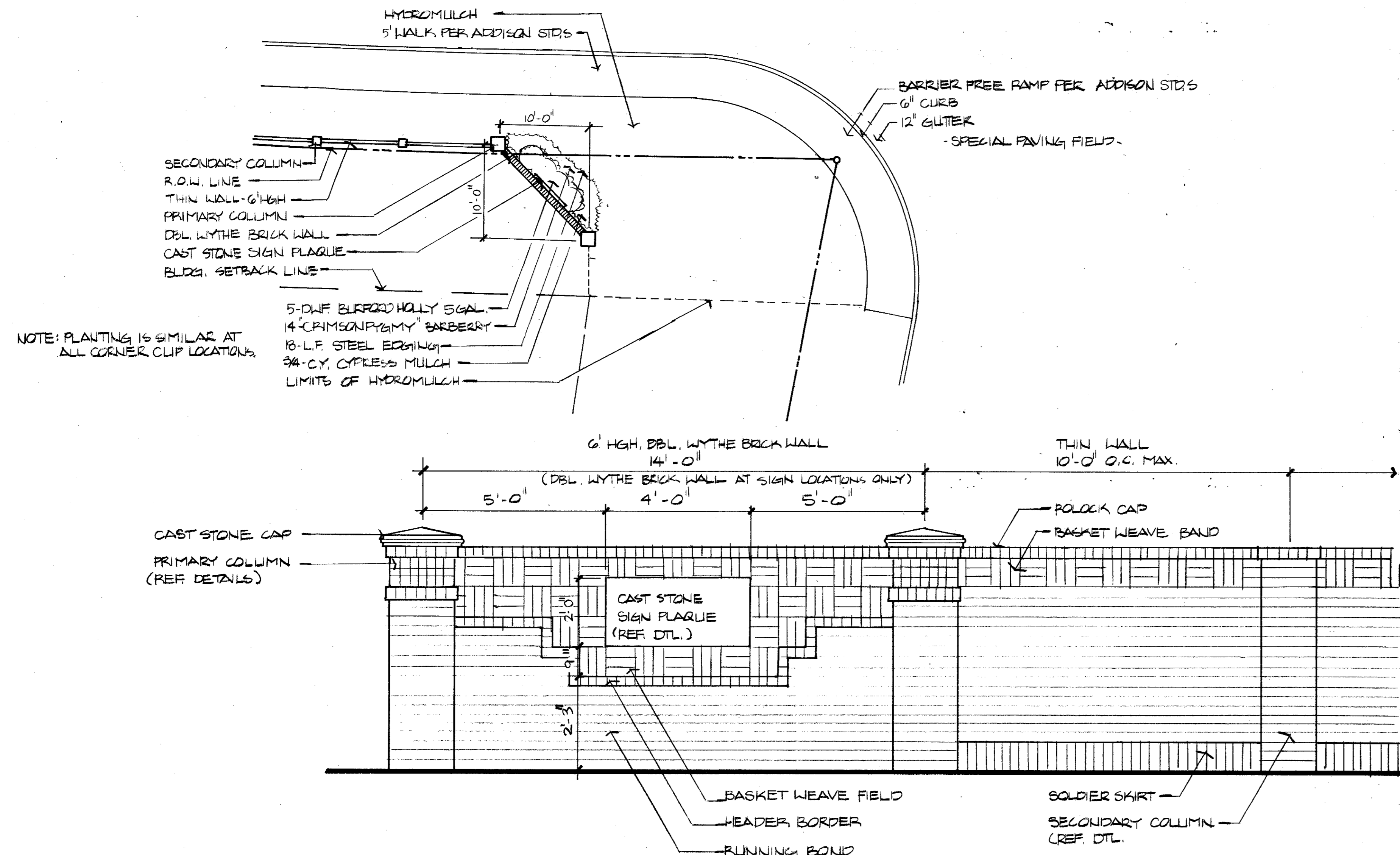
NOTES: WALL LOCATION TO FOLLOW CITY OF PLANO STANDARD CONSTRUCTION DETAILS.

ALL STRUCTURAL DETAILS ARE FROM CITY OF PLANO CONSTRUCTION DETAILS.

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS, EASEMENTS, SIGHT LINES, ECT. PRIOR TO CONSTRUCTION.

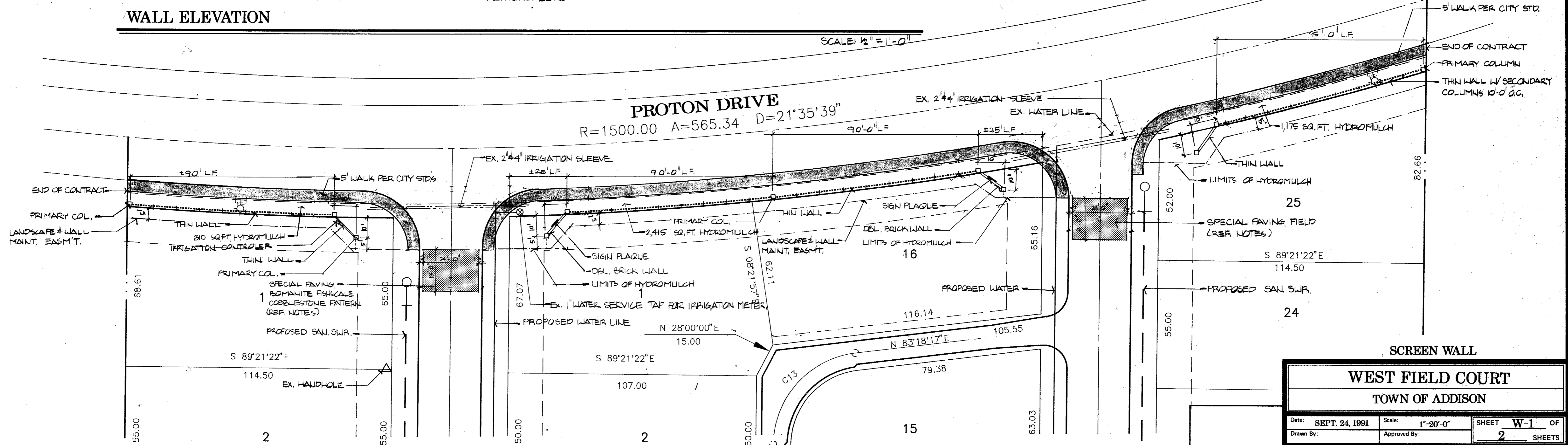
BRICK SIZE SHALL BE BIG JOHN. BRICK COLOR SHALL BE ACME'S "OLD COLONIAL" WITH LESS WHITES AND MORE GRAYS OR EQUAL. SELECTED CONTRACTOR SHALL PROVIDE SAMPLE BOARD FOR OWNER'S APPROVAL PRIOR TO CONSTRUCTION.

SPECIAL PAVING SHALL BE BOMANITE PATTERN "FISHSCALE COBBLESTONE WITH DEEP SET-IMPRINT". BOMANITE COLOR SHALL BE COBBLESTONE GRAY. BOMANITE PAVING SHALL CONFORM TO TOWN OF ADDISON STANDARDS.



WALL ELEVATION

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



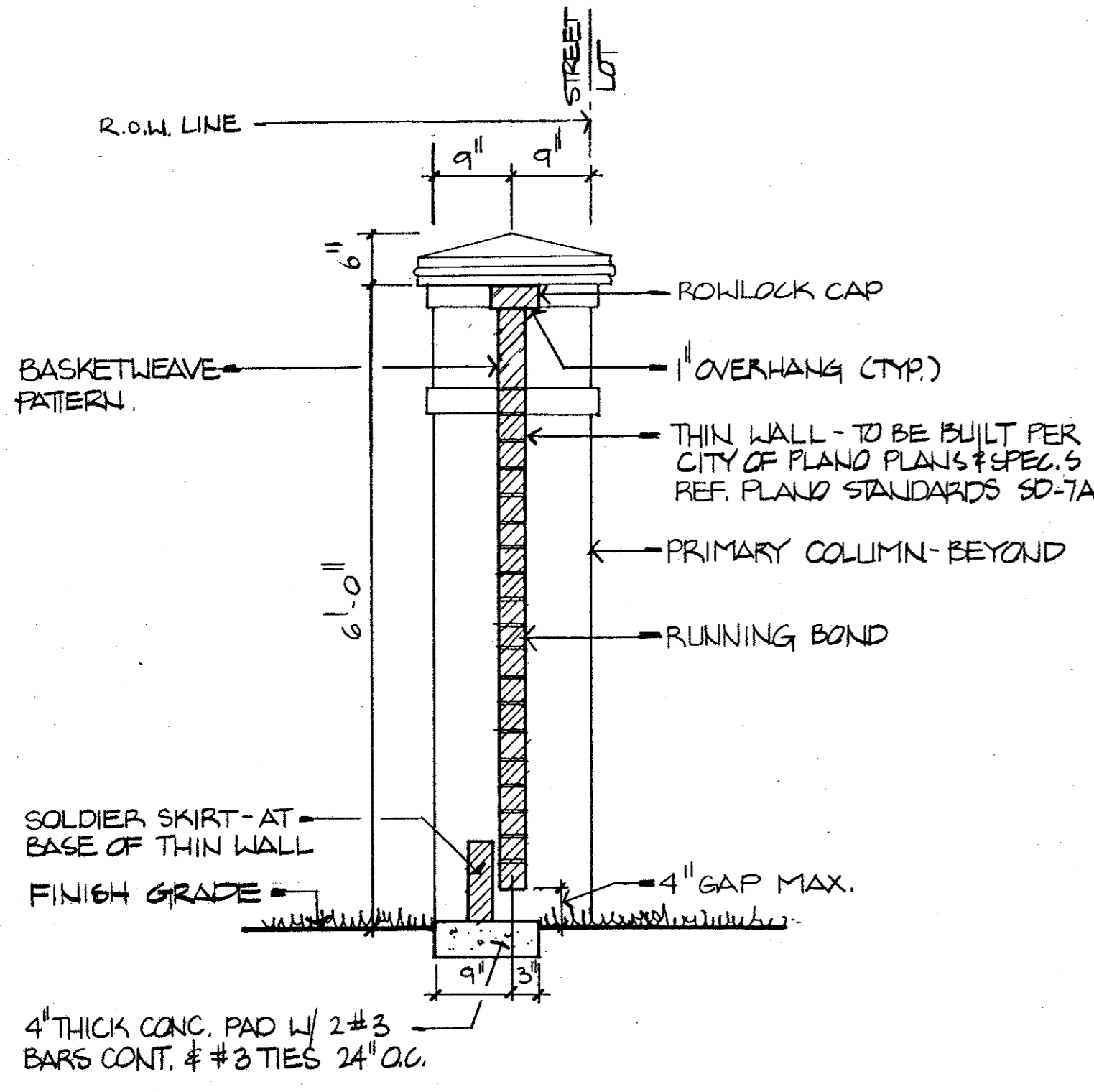
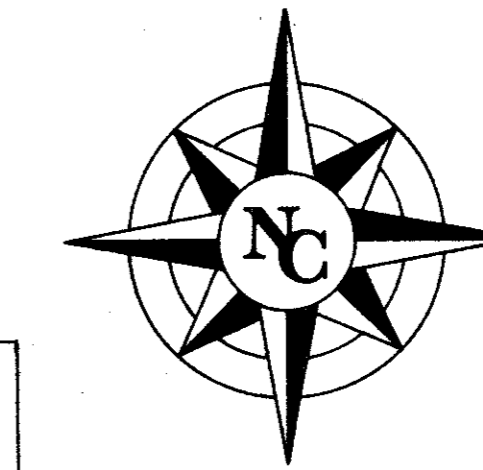
SCREEN WALL

WEST FIELD COURT
TOWN OF ADDISON

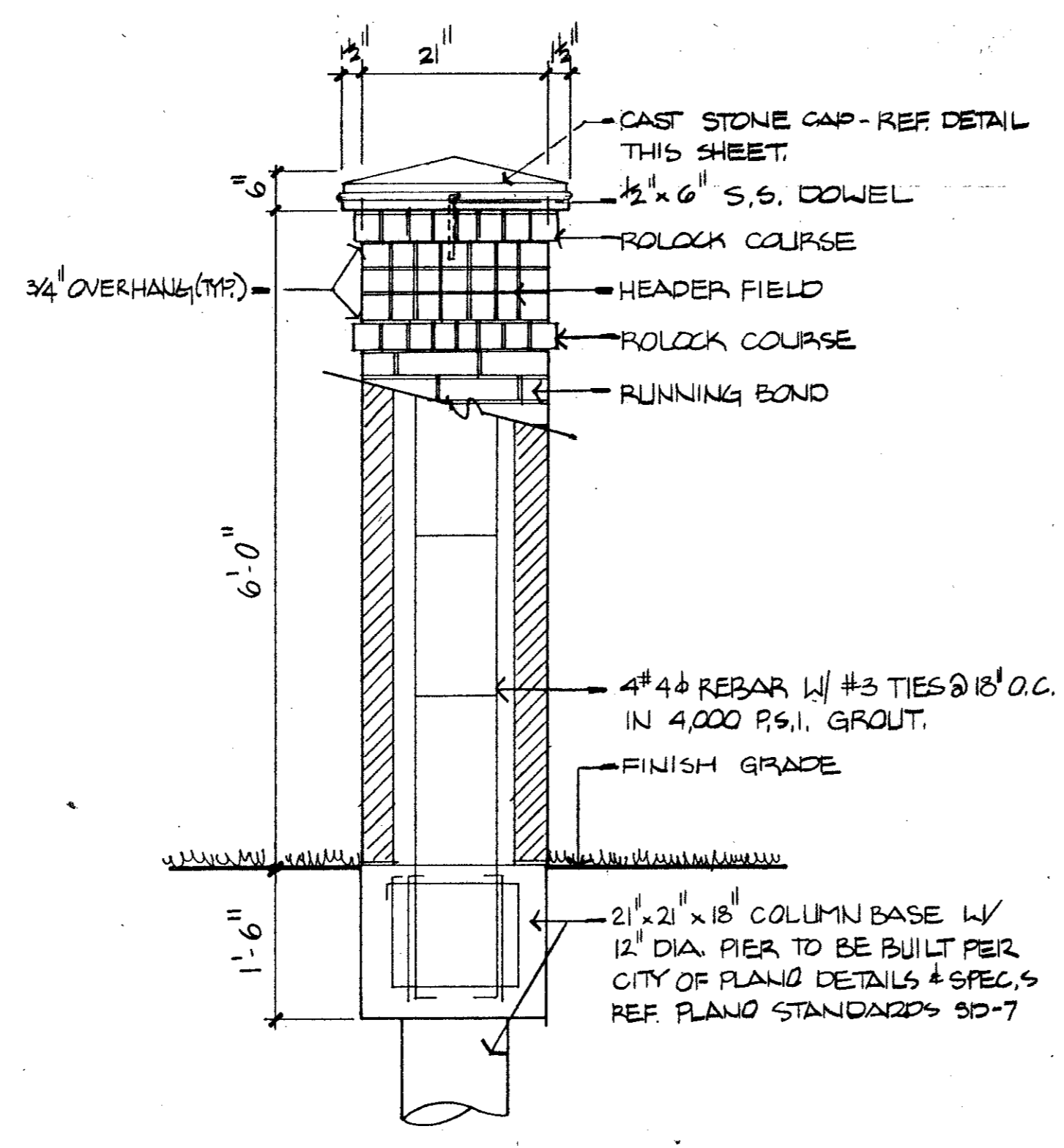
Date: SEPT. 24, 1991 Scale: 1"=20'-0" SHEET **W-1** OF 2 SHEETS
Drawn By: Approved By:

NC THE NELSON CORPORATION
LAND PLANNING • ENGINEERING • SURVEYING
5999 SUMMERSIDE DRIVE • SUITE 202 • DALLAS, TEXAS 75252 • (214) 380-2605

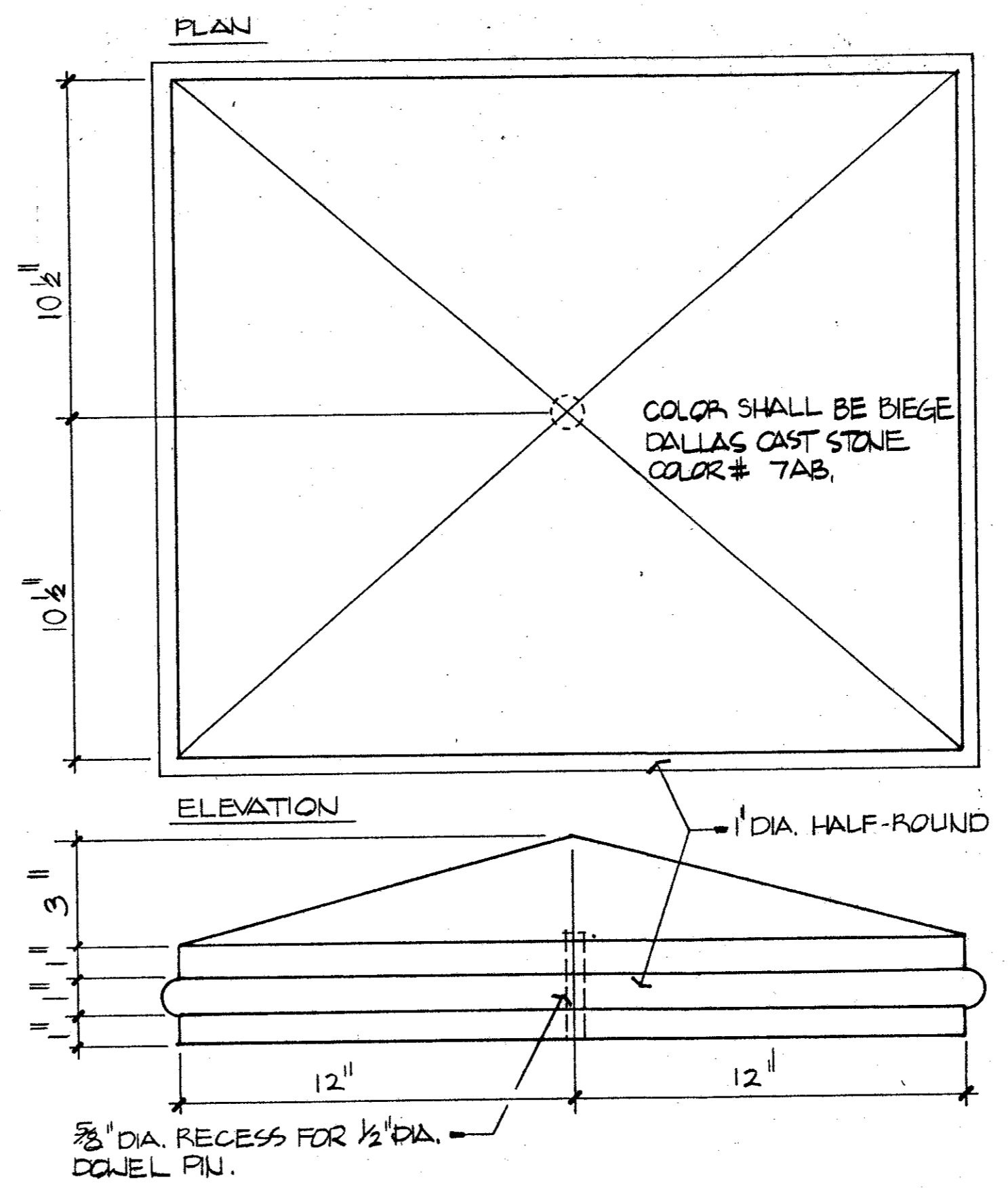
Revisions	Date	Description	Drawn By	Checked By



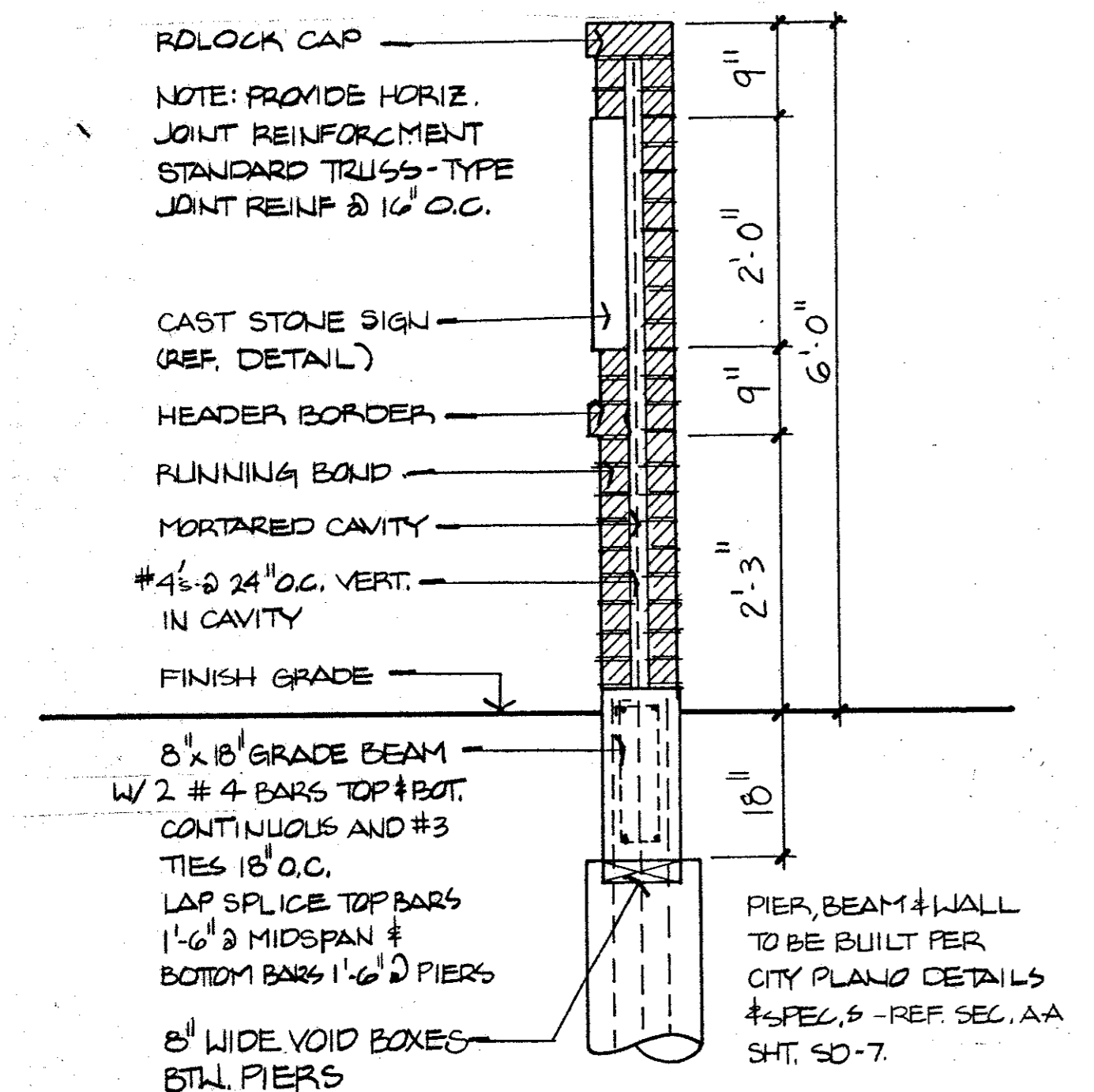
A THIN WALL SECTION
SCALE: 3/4" = 1'-0"



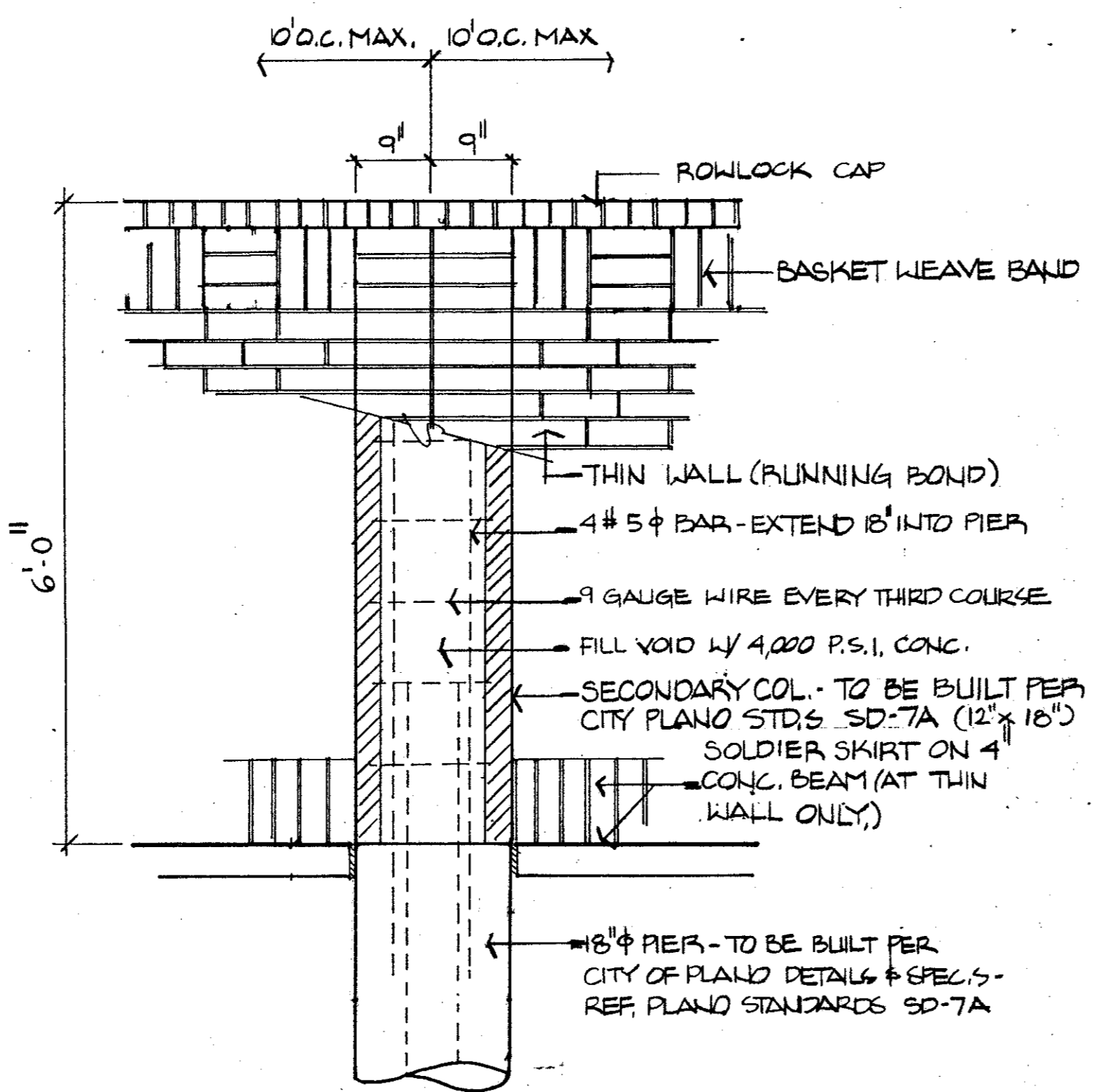
C PRIMARY COLUMN
SCALE: 3/4" = 1'-0"



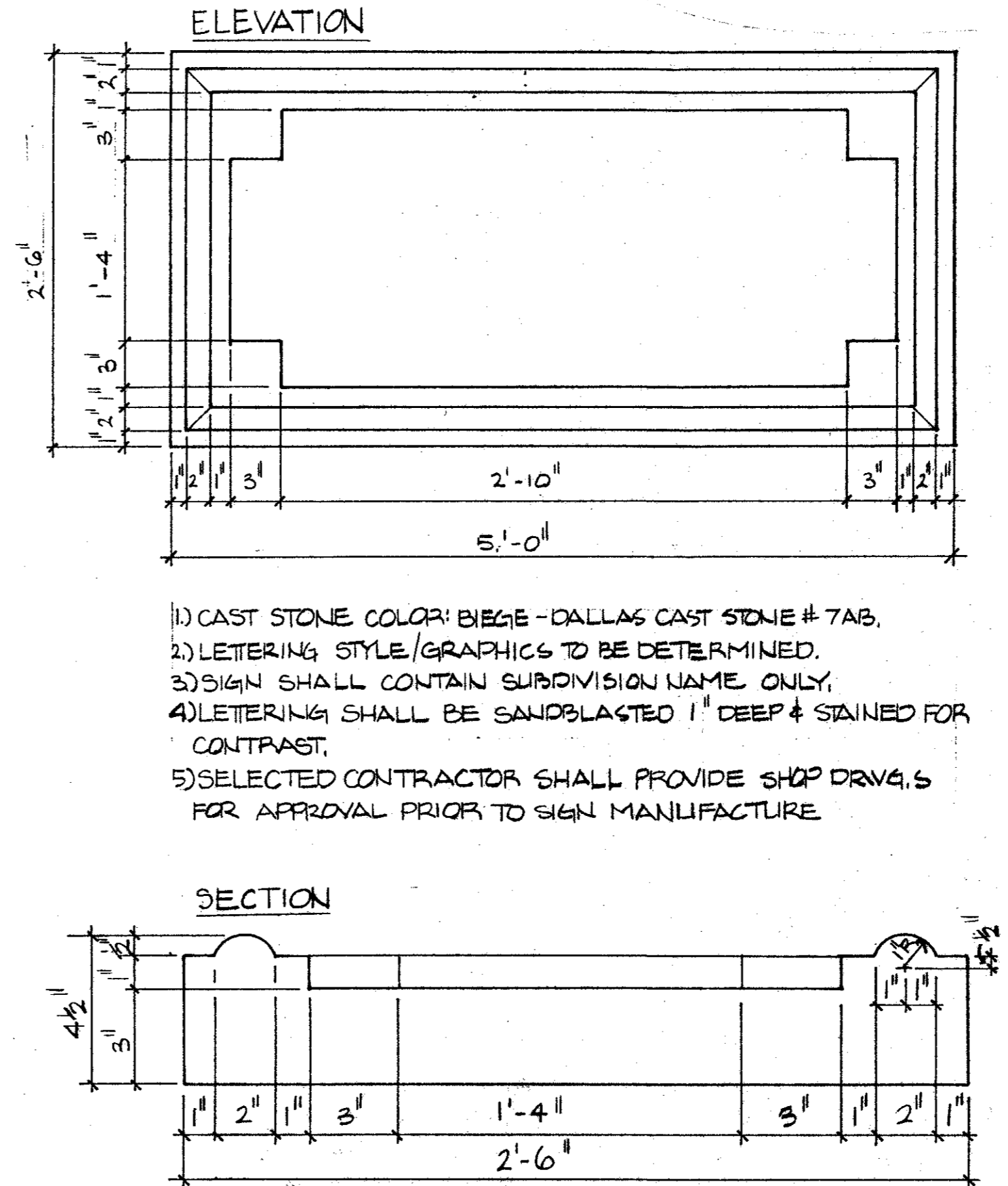
E CAST STONE CAP
NOT TO SCALE



B SECTION - DBL. BRICK WALL AT SIGN
SCALE: 3/4" = 1'-0"



D SECONDARY COLUMN
SCALE: 3/4" = 1'-0"



F CAST STONE SIGN
NOT TO SCALE

SCREEN WALL

WEST FIELD COURT

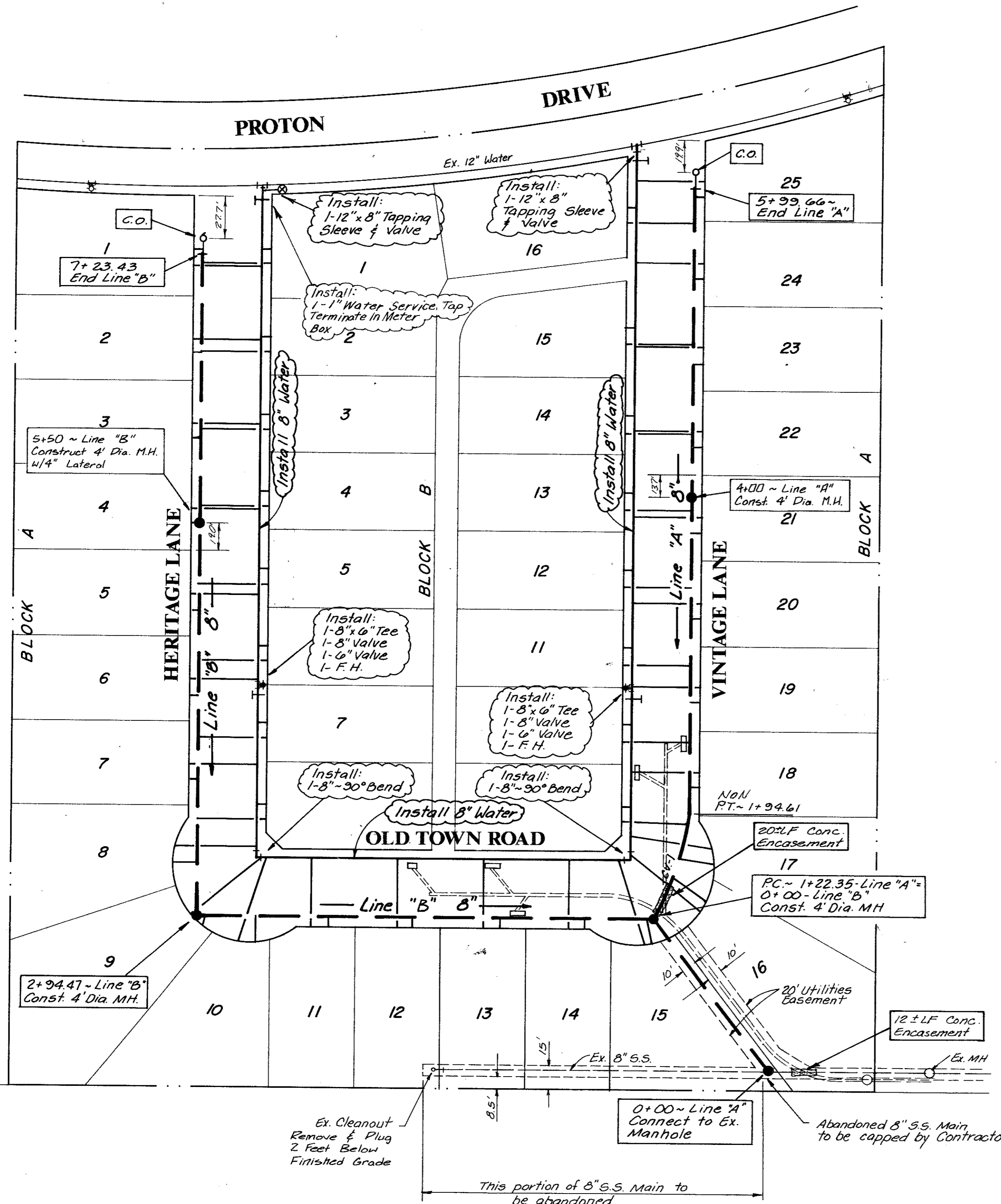
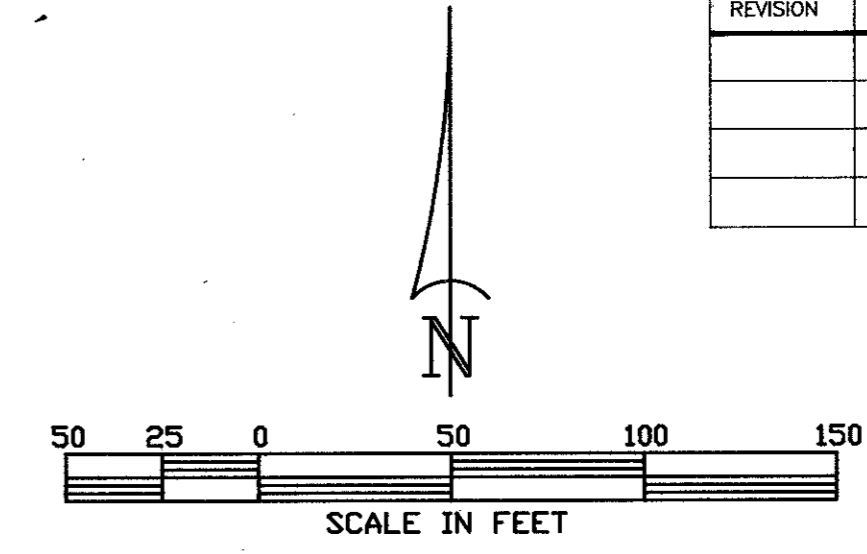
TOWN OF ADDISON

Date: SEPT. 24, 1991	Scale: 1"=20'-0"	SHEET W-1 OF 2
Drawn By:	Approved By:	ETS

THE NELSON CORPORATION
LAND PLANNING • ENGINEERING • SURVEYING
5999 SUMMERSIDE DRIVE • SUITE 202 • DALLAS, TEXAS 75222 • (214) 380-2605

1991 Addendum 2/2/91

REVISION	DATE	DESCRIPTION	DRAWN BY	CHECKED BY



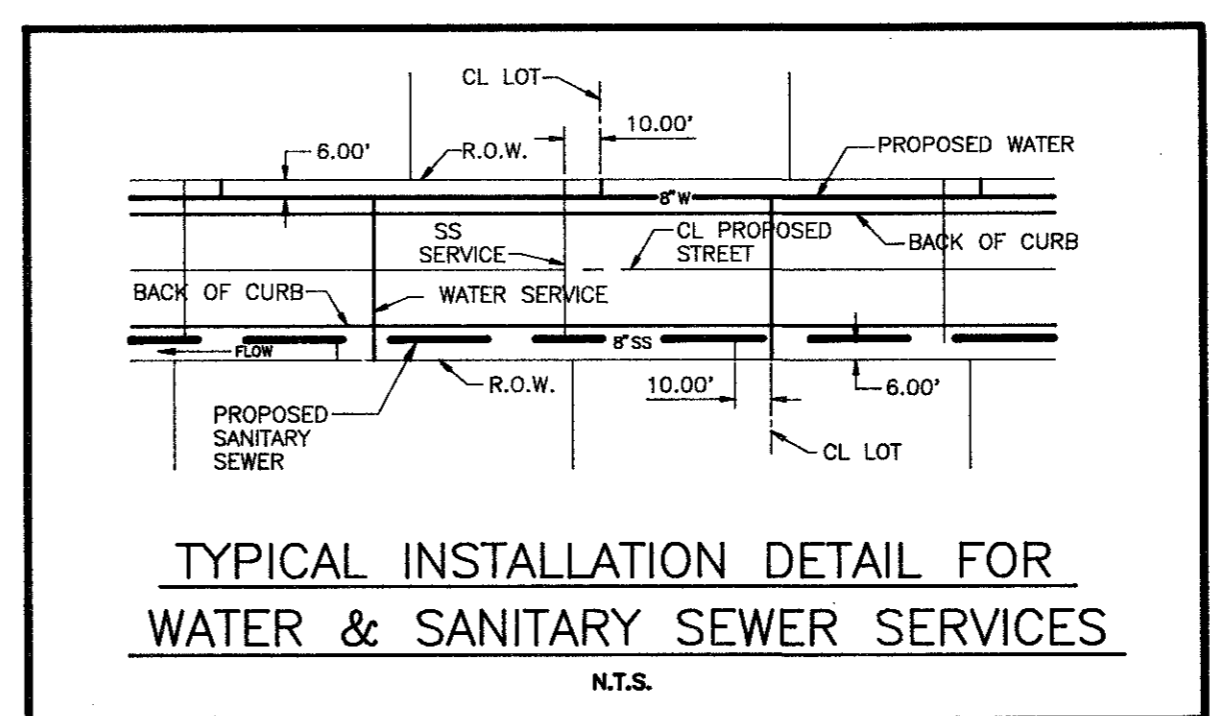
WATER & SANITARY GENERAL NOTES

- All water mains shall be PVC SDR-18 water pipe.
- All sanitary sewer mains shall be PVC SDR-35 and shall have integral wall bell and spigot joints.
- All water mains shall have a minimum cover below finished grades as follows: 6" & 8" - 48", 12" - 60", or as required to clear other utilities.
- The location of all utilities are taken from existing public records. The exact location must be determined by the Contractor. It is the duty of the contractor to ascertain whether any other facilities (additional), other than those on the plans may be present.
- All utility and service laterals trenches shall be backfilled and compacted to 95% Standard Proctor Density.
- All manholes, cleanouts, valve boxes, fire hydrants, etc., must be adjusted to proper line and grade by the Contractor after placing of permanent paving.
- All work and materials shall be in accordance with the Town of Addison Standard Specifications.
- Contractor shall be responsible for providing "as-built" plans to the Engineer showing the location of sewer service by distance to the lot lines.
- All fire hydrants shall be Mueller Centurion model.
- The No. 12 plastic coated wire shall be placed in the trench over all water lines. The wire will be tied to all valves and fire hydrants and attached directly to the top of pipe and extend to six (6") inches above finished grade along the outside of all valve stacks and fire hydrants.
- All dimensions shown are to centerline of pipe and the R.O.W., unless otherwise noted.
- Contractor shall be responsible for trench safety and details as required.

SANITARY SEWER CURVE DATA

NO	LOCATION	Δ	R	T	L
1	VINTAGE ROAD & OLD TOWN ROAD	20°42'03"	200.00'	36.53'	72.28'

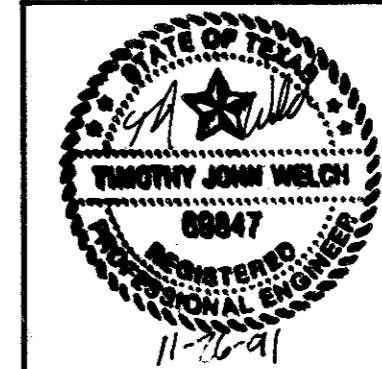
AS BUILT



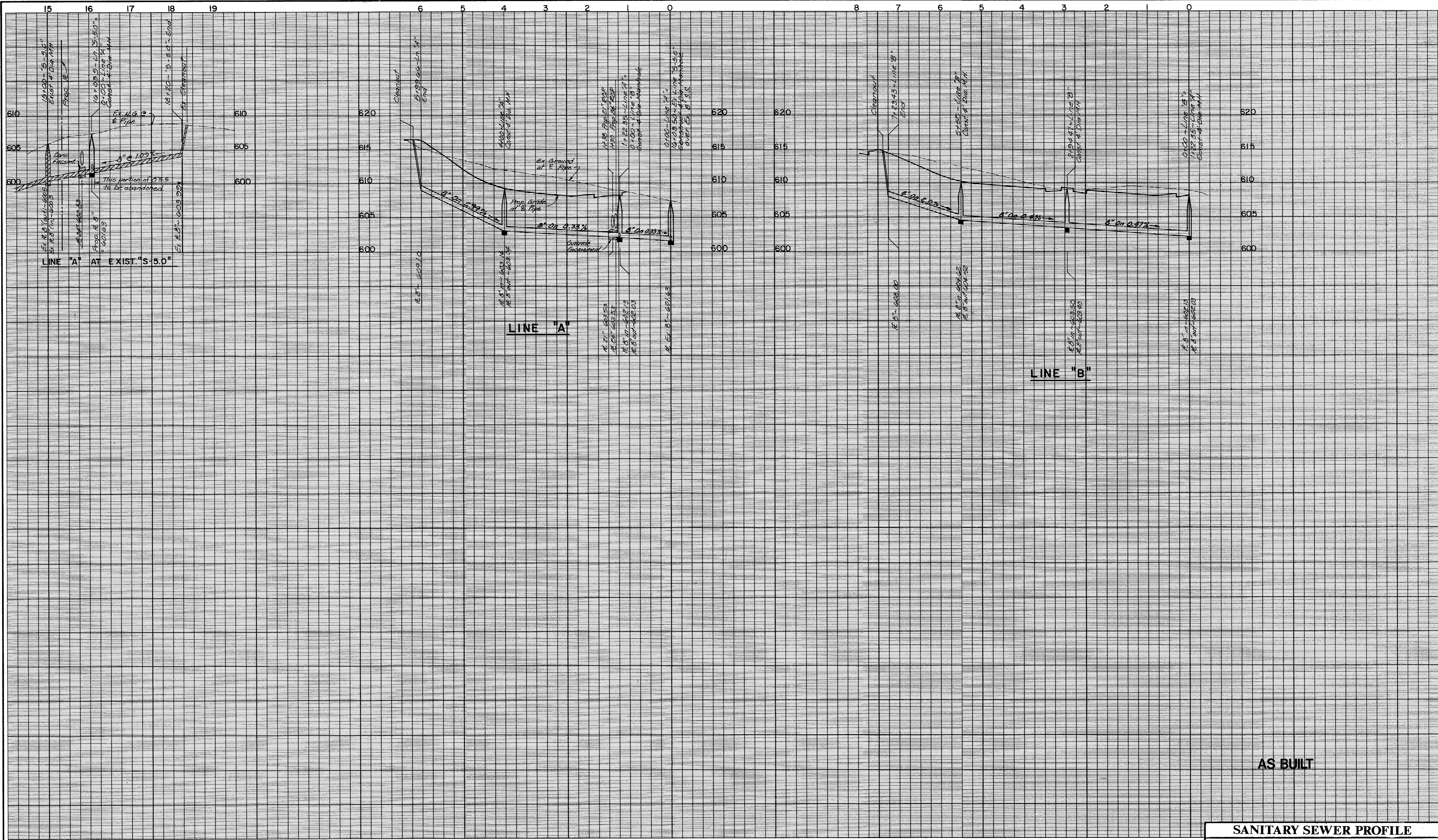
WATER & SANITARY SEWER PLAN

**WESTFIELD COURT
TOWN OF ADDISON, TEXAS**

Date: **JUNE 1991** Scale: **1"=50'** SHEET **1** OF **1**
 Drawn By: **TNC** Approved By: **TNC** **WS-1** SHEETS



NC THE NELSON CORPORATION
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AS BUILT

BENCH MARKS:

Box cut in the northwest corner of the concrete foot of Tower No. 12N-2W-T294 at the intersection of the transmission lines with Midway Road. ELEV. 607.46

Box cut in the concrete curb, located at the northeast corner of site. ELEV. 615.92

Box cut in the northwest corner of the concrete foot of Tower No. 12N-3W-T290 at the angle point of the transmission line. ELEV. 613.16



SANITARY SEWER PROFILE							
WESTFIELD COURT							
TOWN OF ADDISON, TEXAS							
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DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.	
N.E.C.	N.E.C.	JUNE 1991	1"=100' H. 1"= 6" V		90025-3	WS-2	