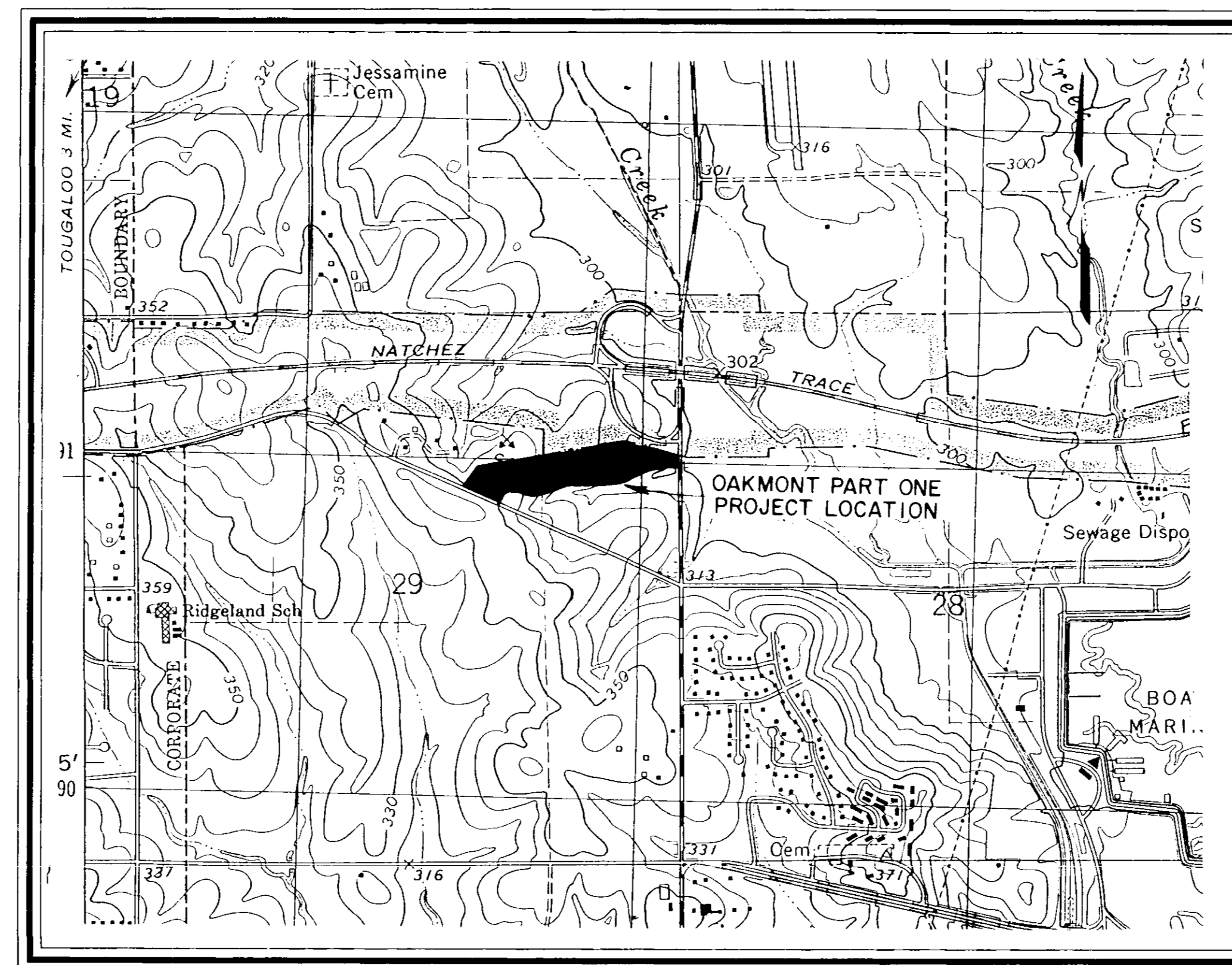
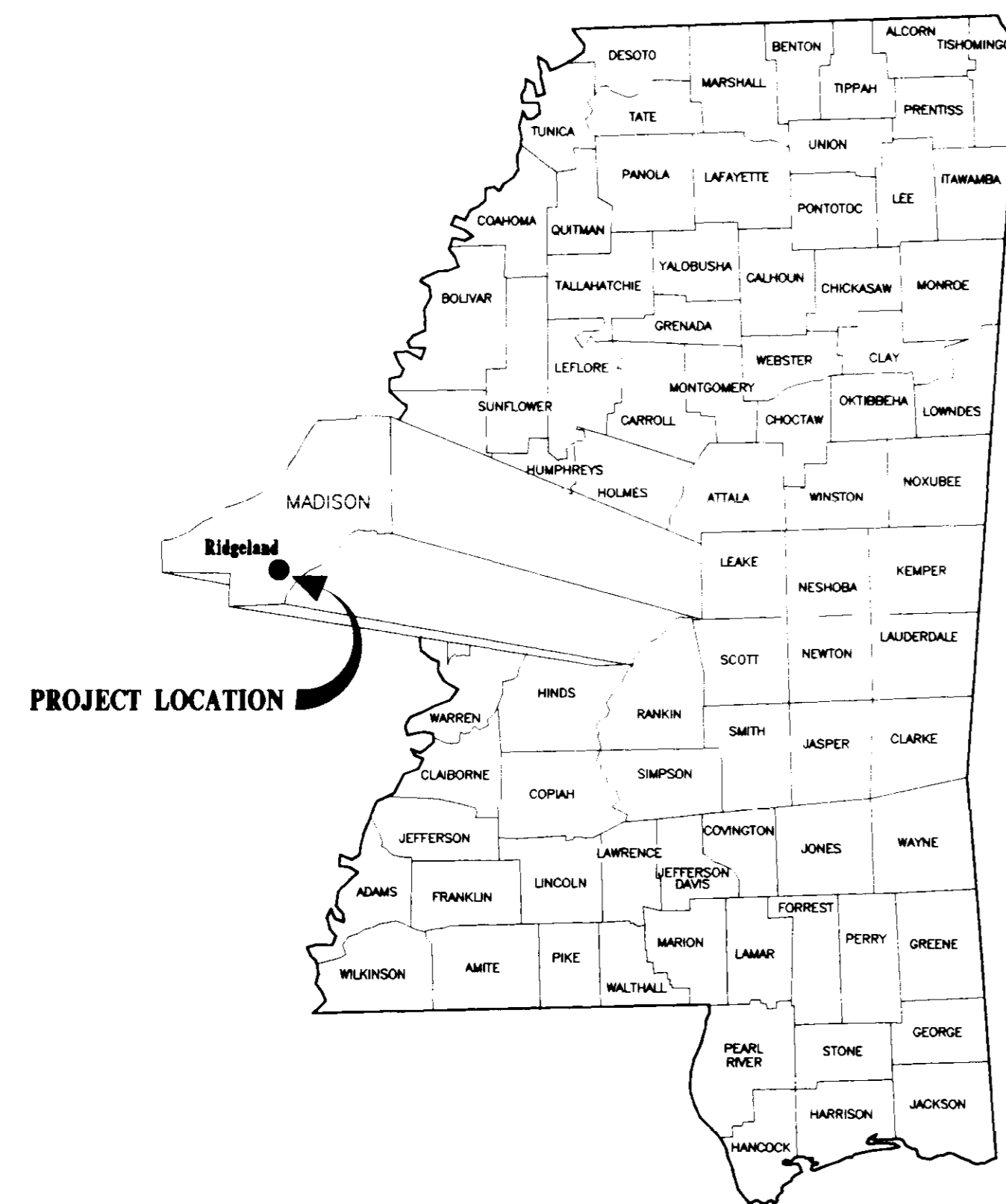
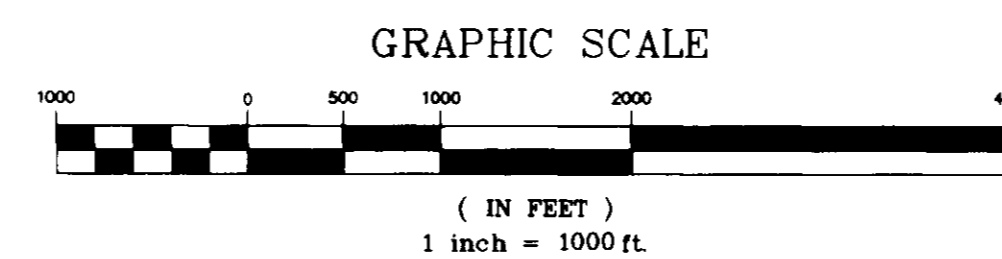


CONSTRUCTION PLANS FOR OAKMONT, PART ONE CITY OF RIDGELAND, MISSISSIPPI

A DEVELOPMENT OF EDWARDS HOMES, INC.



VICINITY MAP

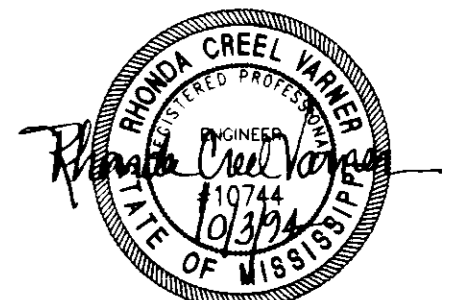


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15	STANDARD DETAILS

PREPARED BY:

**STERLING
Consultants**



RWP 01514

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIDGELAND STANDARD SPECIFICATIONS.
2. CONTRACTOR SHALL CONTROL EROSION AT ALL TIMES DURING CONSTRUCTION SO THAT NO SEDIMENT LEAVES THE SITE VIA DRAINAGEWAYS. ANY SEDIMENT THAT ACCUMULATES ON PAVED AREAS SHALL BE CLEARED IMMEDIATELY. REFER TO EROSION CONTROL PLAN FOR ADDITIONAL INFORMATION.
3. CONTRACTOR SHALL COORDINATE AND SCHEDULE CONNECTION INTO CITY OF RIDGELAND UTILITIES WITH THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY WORK.

STREETS & LOT

MATERIAL REQUIREMENTS

CONCRETE - CONCRETE FOR CURB AND GUTTER SHALL BE 3,000 PSI MINIMUM.

BASE COURSE - HOT BITUMINOUS PAVEMENT BASE COURSE MIXTURES AND MATERIALS SHALL MEET SPECIFICATION BB-1 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

SURFACE COURSE - HOT BITUMINOUS PAVEMENT SURFACE COURSE MIXTURES AND MATERIALS SHALL MEET SPECIFICATION SC-1 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

STORM DRAINAGE

MATERIAL REQUIREMENTS

PIPE - REINFORCED CONCRETE PIPE, (ROUND ASTM C-76) OR ARCH (ASTM C-506).

JOINTS - O-RING RUBBER GASKETS, BITUMINOUS PLASTIC CEMENT OR PREFORMED JOINT COMPOUND.

INLETS AND JUNCTION BOXES - PRECAST CONCRETE (ASTM C-478) OR CONCRETE BLOCK WITH 1/2" CEMENT GROUT, BRUSH FINISHED, WALL FINISH INSIDE AND OUTSIDE.

INLET CASTINGS - C.L. DEWS & SONS FOUNDRY DF-2450 OR EQUAL.

WATER & SEWER

MATERIAL REQUIREMENTS- WATER

MAIN - DUCTILE IRON, CEMENT LINED MORTAR PRESSURE CLASS 350 - ANSI/AWWA C151/A21.5.

ENCASEMENT - POLYETHYLENE FILM ANSI/AWWA A21.5/C105.

JOINTS - TYLON JOINTS WITH RUBBER GASKET ANSI/AWWA STANDARDS.

FITTINGS - DUCTILE IRON, COMPACT FITTINGS MECHANICAL JOINT - ANSI/AWWA C153/A21.53-88.

VALVES - DUCTILE IRON METROSEAL 250 RESILIENT SEATED GATE VALVES - AWWA C509.

VALVE BOXES - CAST IRON, 3 PIECE ADJUSTABLE STAMPED W/ "WATER".

SERVICE LINE - 1" MINIMUM, TYPE K COPPER, ASTM B88; POLYETHYLENE (PE), AWWA C901; OR POLYBUTYLENE (PB), AWWA C902.

SVC SADDLE - FORD STYLE 304, OR APPROVED EQUAL.

CORP. STOPS - FORD TYPE F60 OR APPROVED EQUAL.

CURB STOPS - FORD TYPE.

METER BOX - PLASTIC METER BOX W/FLIP TOP READING COVER.

MATERIAL REQUIREMENTS - SEWER

MAIN & SERVICE - PVC, SDR-26 (ASTM D-3034) OR DUCTILE IRON, PROTECTO 401 CERAMIC EPOXY LINED.

JOINTS - SLIP-ON W/LOCKED-IN RUBBER GASKET (ASTM F-477).

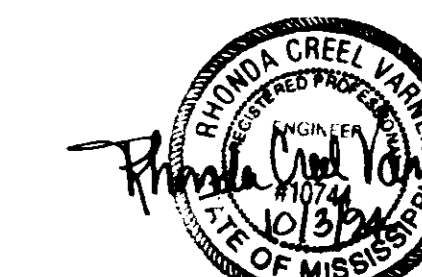
MANHOLES - PRECAST CONCRETE, ASTM C-478. COAL TAR EPOXY COATING REQUIRED ON INTERIOR AND EXTERIOR OF MANHOLE SECTIONS AND ON MANHOLE STEPS.

PIPE BOOTS - KOR-N-SEAL MOLDED RUBBER CONNECTORS, OR EQUAL.

FRAME & COVER - CAST IRON (ASTM A-78) OR EQUAL.

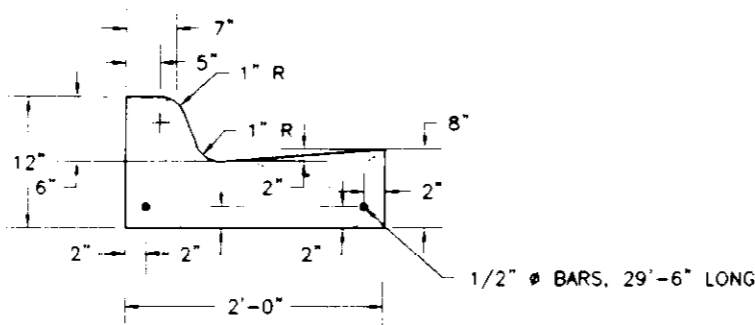
LEGEND

- PROPERTY LINE
- LOT LINE
- RIGHT OF WAY LINE
- EASEMENT
- SETBACK LINE
- CENTER LINE
- EDGE OF PAVEMENT
- BACK OF CURB
- EXISTING CONTOUR
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & CATCH BASIN
- SANITARY SEWER
- WATER LINE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED TEE
- PROPOSED BUILDING

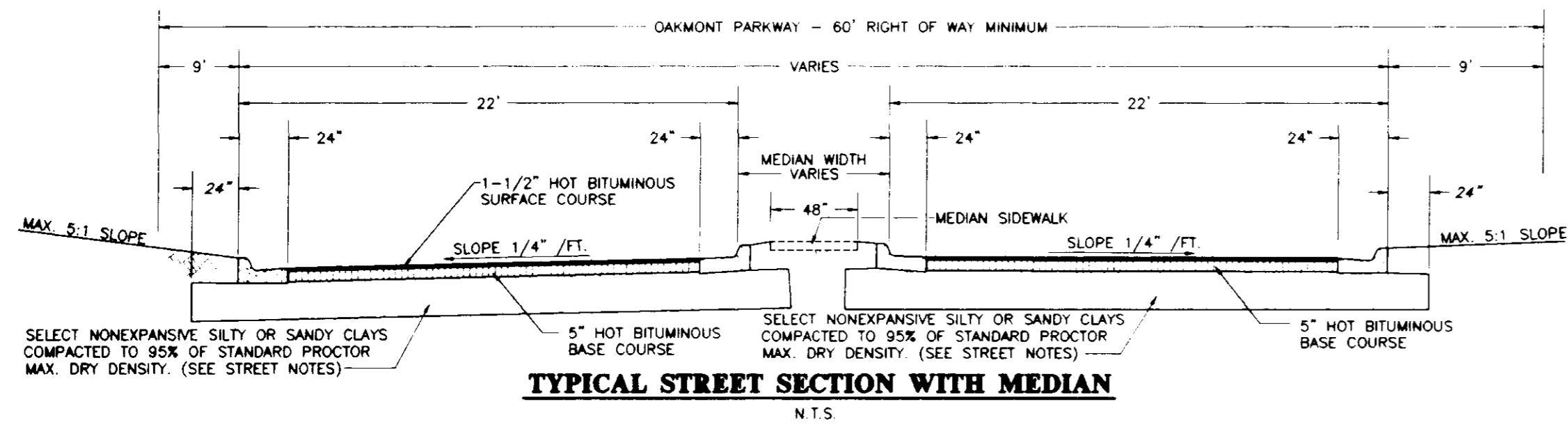


OAKMONT PART ONE EDWARDS HOMES, INC. OWNER & DEVELOPER	
GENERAL NOTES	
CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI	
DESGN: RGV 9/24 DRAWN: RDB 9/24 CHECK: RCV 10/14 SCALE: NTS	DRAWING NO. 2 of 15

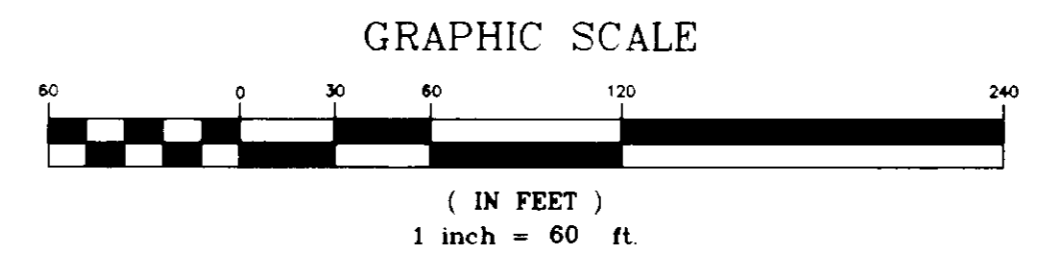
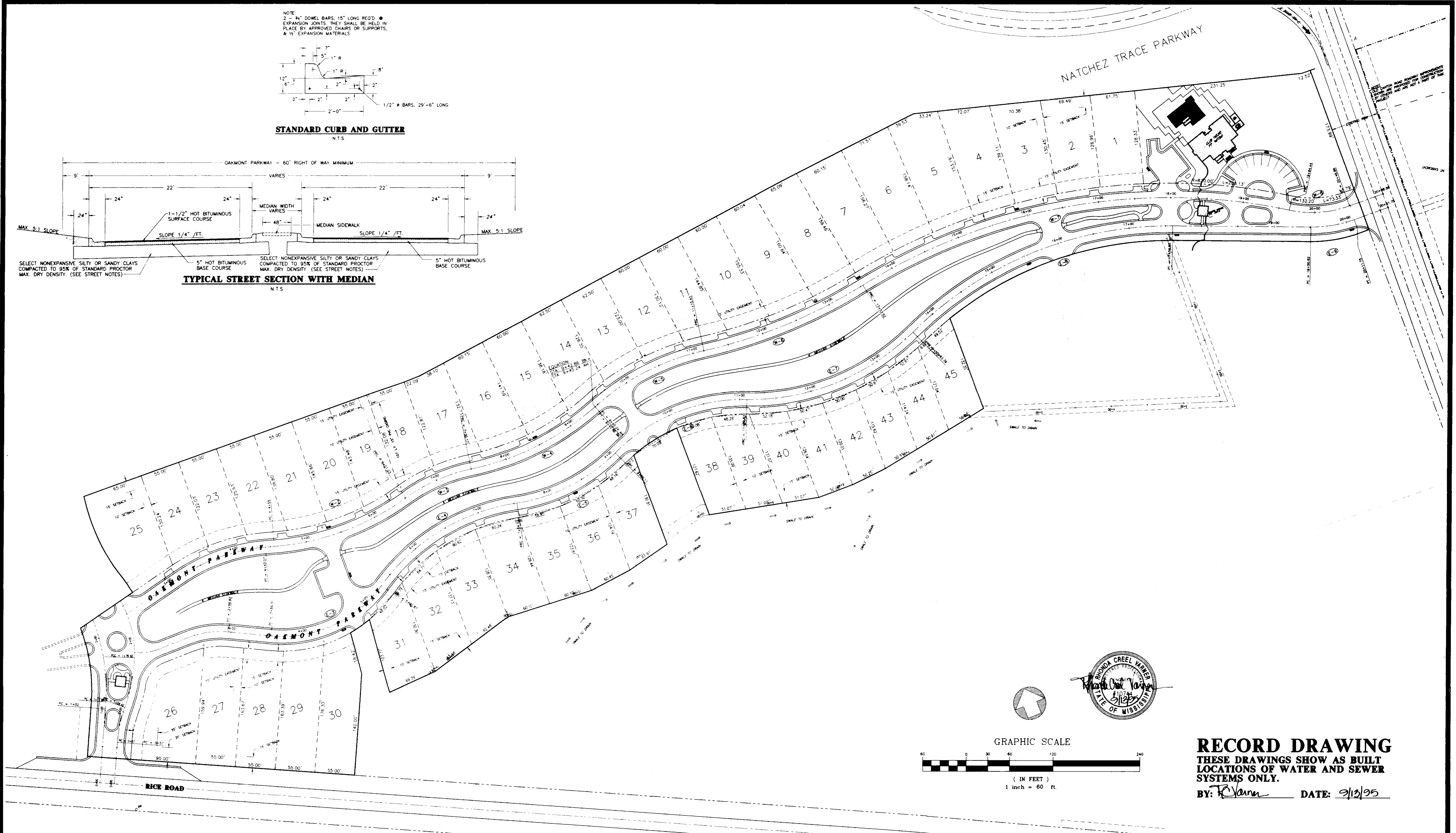
NOTE:
 2" x 4" DOWEL BARS, 15' LONG REQ'D @ EXPANSION JOINTS. THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, & 1" EXPANSION MATERIALS.



STANDARD CURB AND GUTTER
 N.T.S.



TYPICAL STREET SECTION WITH MEDIAN
 N.T.S.



RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT LOCATIONS OF WATER AND SEWER SYSTEMS ONLY.
 BY: *R. Vann* DATE: 9/15/95

STREET NOTES:

- STREET SUBGRADE AREAS WHERE EXPANSIVE CLAYS (CH) ARE ENCOUNTERED WITHIN 4" OF FINISHED GRADE SHALL BE UNDERCUT AND BACKFILLED AS REQUIRED TO SEPARATE PAVEMENT FROM EXPANSIVE CLAYS BY A MINIMUM 3 FOOT THICK LAYER OF SELECT SILTY CLAYS (CL) OR SANDY CLAYS (SC) HAVING A LIQUID LIMIT OF LESS THAN 40 AND A PI WITHIN THE RANGE OF 8 TO 20. THE BACKFILL AND FILL MATERIALS SHOULD BE SPREAD IN LOOSE LIFTS HAVING A MAXIMUM THICKNESS OF 9 IN. AND COMPACTED TO NOT LESS THAN 95 PERCENT OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) AT MOISTURE CONTENTS WITHIN 3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT. STABILITY MUST BE EVIDENT DURING COMPACTION OF EACH LIFT BEFORE ANY SUBSEQUENT LIFTS OF FILL OR BACKFILL MATERIAL ARE ADDED.
- UNDERCUTTING AND BACKFILLING SHALL EXTEND A MINIMUM OF 2 FEET BEYOND BACK OF CURB.
- PRIOR TO PLACING ASPHALT BASE MATERIAL, PAVING CONTRACTOR SHALL 1) FINE-GRADE THE SUBGRADE MATERIAL TO THE PROPER SECTION TO PERMIT PLACEMENT OF THE REQUIRED THICKNESS OF BASE COURSE; 2) COMPACT AND PROOF-ROLL SUBGRADE TO ACHIEVE STABILITY; AND ENSURE REQUIRED SUBGRADE DENSITY HAS BEEN ACHIEVED AND VERIFIED BY SOILS TESTING LABORATORY.

CURB AND GUTTER NOTES:

- CURB AND GUTTER ON THE OUTSIDE OF EACH LANE SHALL BE 24" STANDARD (SEE DETAIL). CURB AND GUTTER ON THE INSIDE (MEDIAN SIDE) SHALL BE 24" STANDARD WITH INVERTED GUTTER.
- SUBGRADE BENEATH CURB AND GUTTER SHALL BE FINE GRADED AND COMPACTED TO ACHIEVE STABILITY UNDER PRESSURE OF THE REAR WHEEL LOADING OF A MOTOR GRADER MOVING SLOWLY OVER THE CURB AND GUTTER SUBGRADE.
- AFTER FORMS AND/OR CURB AND GUTTER STRING LINES HAVE BEEN SET AND BEFORE CONCRETE IS POURED, CONTRACTOR SHALL VERIFY THAT ALL GUTTERS DRAIN TO INLETS.
- EXPANSION JOINTS IN CURB AND GUTTER SHALL BE 3/4" JOINT MATERIAL PLACED AT 30' (MAXIMUM) INTERVALS.
- CONTRACTION JOINTS IN CURB AND GUTTER SHALL BE SCORED AT INTERVALS NOT GREATER THAN 10 FEET AND SPACED EQUALLY BETWEEN EXPANSION JOINTS.
- CONCRETE FOR CURB AND GUTTER SHALL BE 3,000 PSI MINIMUM.
- SIDEWALKS (OTHER THAN MEDIAN SIDEWALK) SHALL BE CONSTRUCTED BY THE BUILDER OF THE ORIGINAL DWELLING ON EACH LOT AFTER ALL UTILITY SERVICES ARE INSTALLED TO THE DWELLING AND THE HOUSE SITE HAS BEEN GRADED AND SHAPED TO ITS FINISHED TOPOGRAPHY. NOT A PART OF THIS PROJECT.

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
E-1	178.00	141.43	74.69	137.74	S 46°46'21" W	42°31'19"
E-2	123.00	88.39	52.00	92.79	N 8°25'36" E	42°49'21"
E-3	168.77	175.56	96.66	167.78	N 69°33'56" E	59°36'03"
E-4	286.69	231.19	117.88	213.53	S 76°33'05" W	28°31'20"
E-5	243.05	193.08	90.28	152.46	S 57°07'28" W	28°31'20"
E-6	312.00	253.57	134.05	242.82	N 87°51'43" E	48°58'35"
E-7	172.00	136.44	70.90	136.14	N 87°41'18" E	42°26'03"
E-8	172.00	136.44	70.90	136.14	S 74°44'04" W	42°26'03"
E-9	238.88	193.25	98.08	186.98	N 42°23'36" E	29°25'58"
W-1	238.88	193.25	98.08	186.98	N 42°23'36" E	29°25'58"
W-2	357.80	288.21	146.85	281.78	N 89°49'19" W	31°24'25"
W-3	357.80	288.21	146.85	281.78	N 89°49'19" W	31°24'25"
W-4	371.54	299.69	152.87	292.54	N 89°13'46" E	28°45'51"
W-5	338.74	270.19	138.83	268.00	N 87°45'35" E	28°45'51"
W-6	218.74	170.19	88.83	170.00	S 82°07'01" E	31°24'25"
W-7	800.00	610.92	311.24	588.18	S 89°02'01" E	31°24'25"
W-8	152.20	84.42	43.31	81.35	N 74°02'51" W	31°24'25"

AS BUILT CHANGES	RDD	09/15/95
REVISION	BT	DATE

OAKMONT PART ONE
EDWARDS HOMES, INC.
 OWNER & DEVELOPER

STREETS & LOT LAYOUT

CITY OF RIDGELAND
MADISON COUNTY, MISSISSIPPI

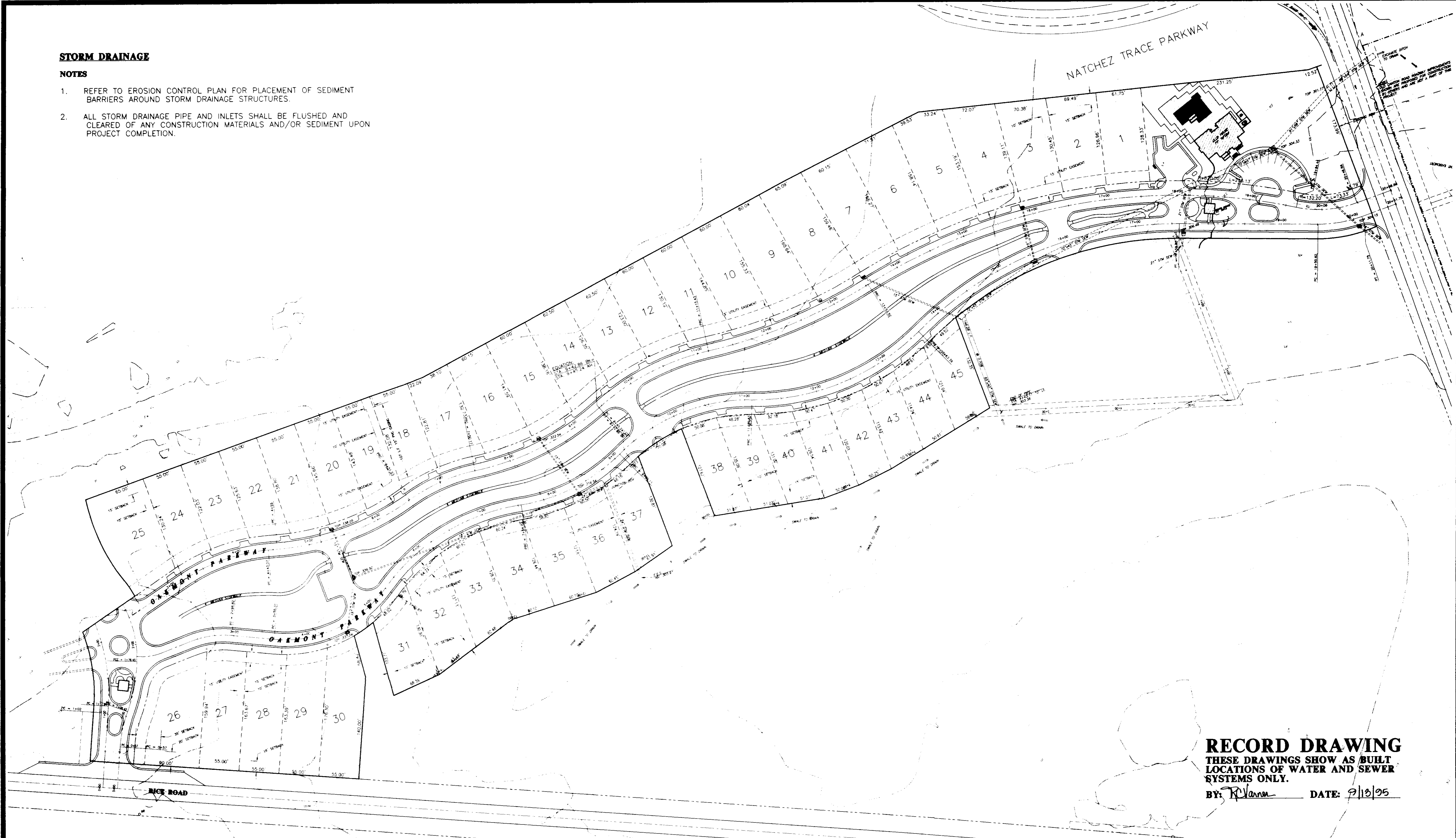
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C:\DANKONT\OAK-TEST: Wed Sep 13 16:42:03 1995 R. David Bates - Sterling Consultants, Inc.

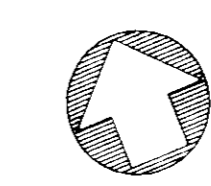
STORM DRAINAGE

NOTES

1. REFER TO EROSION CONTROL PLAN FOR PLACEMENT OF SEDIMENT BARRIERS AROUND STORM DRAINAGE STRUCTURES.
2. ALL STORM DRAINAGE PIPE AND INLETS SHALL BE FLUSHED AND CLEARED OF ANY CONSTRUCTION MATERIALS AND/OR SEDIMENT UPON PROJECT COMPLETION.



RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.
 BY: *R. Vann* DATE: 9/13/95



GRAPHIC SCALE

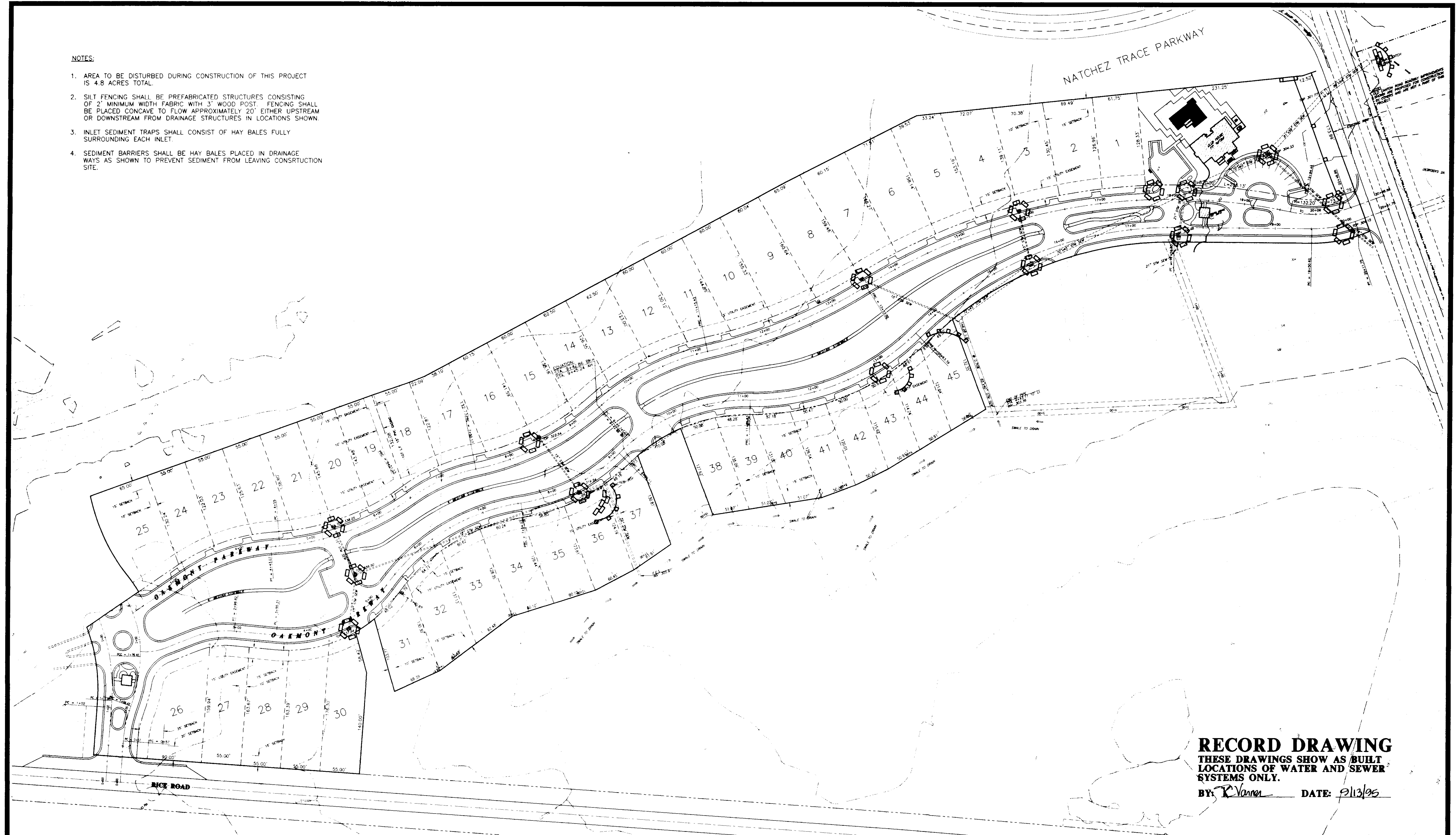


OAKMONT PART ONE EDWARDS HOMES, INC. OWNER & DEVELOPER	
STORM DRAINAGE LAYOUT	
CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI	
DESGN: RCV DRWN: RDB CKED: RCV SCALE: 1"=60'	DATE: 08/10/95 DATE: 08/10/95 DATE: 08/10/95 DATE: 08/10/95
DRAWING NO. 4 of 15	

AS BUILT CHANGES	REVISION	BY	DATE
		RDB	08/10/95

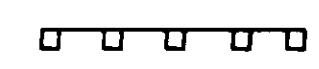
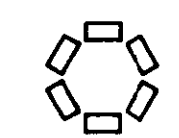

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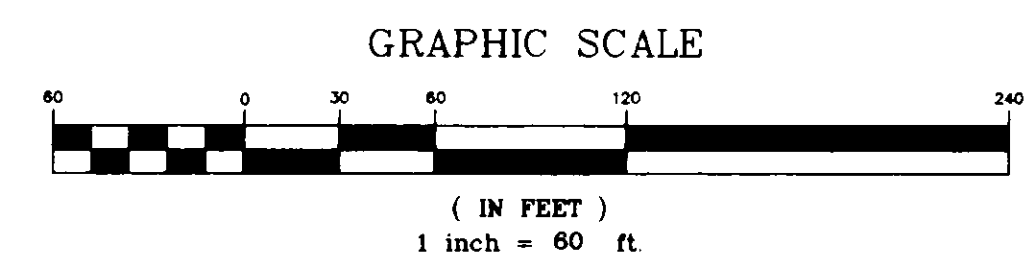
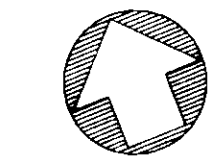
1. AREA TO BE DISTURBED DURING CONSTRUCTION OF THIS PROJECT IS 4.8 ACRES TOTAL.
2. SILT FENCING SHALL BE PREFABRICATED STRUCTURES CONSISTING OF 2' MINIMUM WIDTH FABRIC WITH 3' WOOD POST. FENCING SHALL BE PLACED CONCAVE TO FLOW APPROXIMATELY 20' EITHER UPSTREAM OR DOWNSTREAM FROM DRAINAGE STRUCTURES IN LOCATIONS SHOWN.
3. INLET SEDIMENT TRAPS SHALL CONSIST OF HAY BALES FULLY SURROUNDING EACH INLET.
4. SEDIMENT BARRIERS SHALL BE HAY BALES PLACED IN DRAINAGE WAYS AS SHOWN TO PREVENT SEDIMENT FROM LEAVING CONSTRUCTION SITE.



RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.
 BY: *R. Vanner* DATE: *2/13/95*

LEGEND

-  SILT FENCING
-  INLET SEDIMENT TRAP
-  SEDIMENT BARRIER



OAKMONT PART ONE EDWARDS HOMES, INC. OWNER & DEVELOPER	
EROSION CONTROL PLAN	
CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI	
DESN: R.C.V. DATE: 02/01/95	DRAWN: R.D.D. DATE: 02/01/95
CHECK: R.C.V. DATE: 02/01/95	SCALE: 1"=60'
	
DRAWING NO. 5 of 15	

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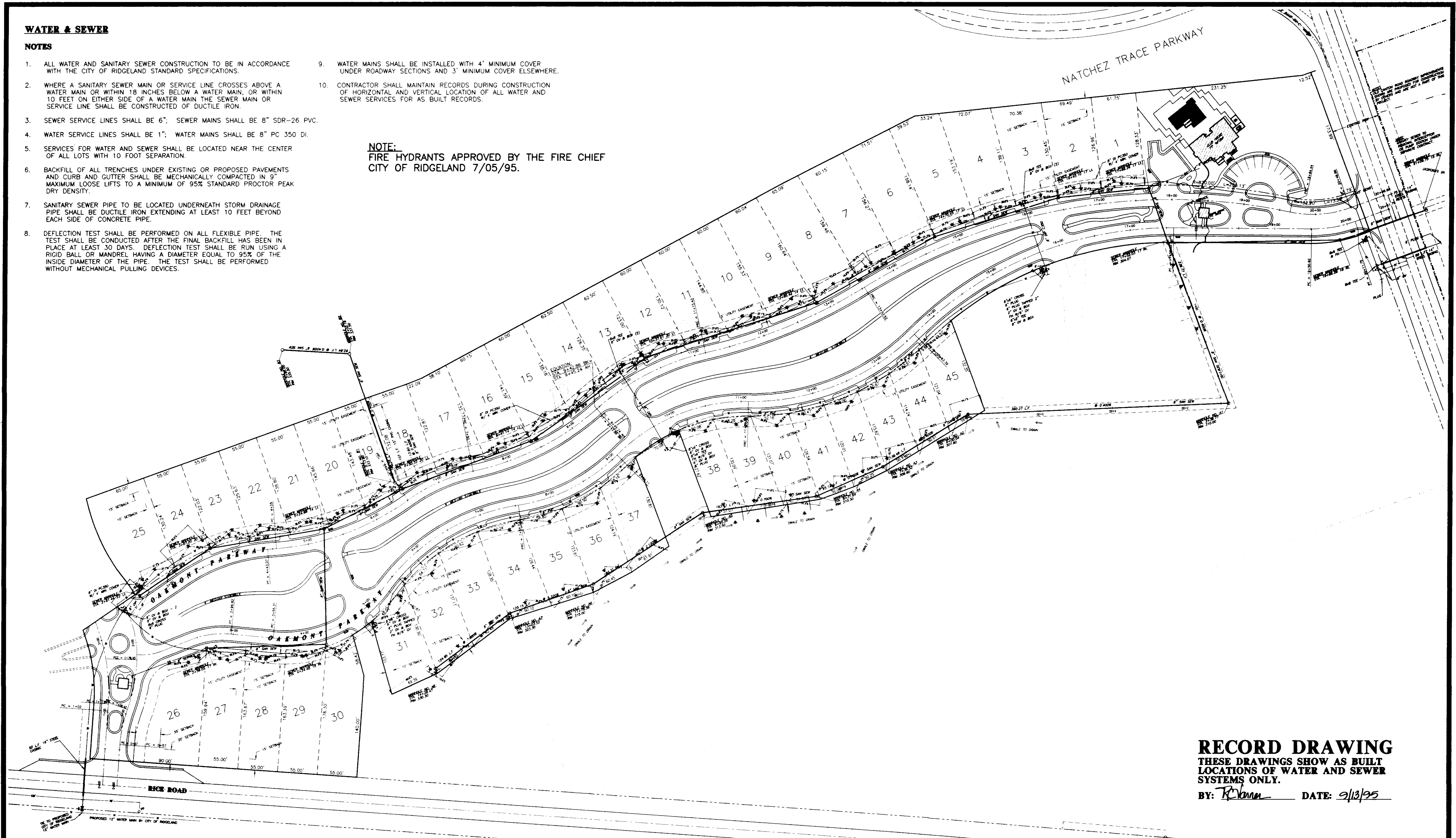
AS BUILT CHANGES	R.D.D.	02/13/95
REVISION	BY	DATE

WATER & SEWER

NOTES

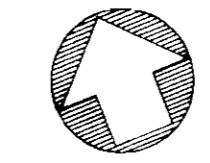
1. ALL WATER AND SANITARY SEWER CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF RIDGELAND STANDARD SPECIFICATIONS.
2. WHERE A SANITARY SEWER MAIN OR SERVICE LINE CROSSES ABOVE A WATER MAIN OR WITHIN 18 INCHES BELOW A WATER MAIN, OR WITHIN 10 FEET ON EITHER SIDE OF A WATER MAIN THE SEWER MAIN OR SERVICE LINE SHALL BE CONSTRUCTED OF DUCTILE IRON.
3. SEWER SERVICE LINES SHALL BE 6"; SEWER MAINS SHALL BE 8" SDR-26 PVC.
4. WATER SERVICE LINES SHALL BE 1"; WATER MAINS SHALL BE 8" PC 350 DI.
5. SERVICES FOR WATER AND SEWER SHALL BE LOCATED NEAR THE CENTER OF ALL LOTS WITH 10 FOOT SEPARATION.
6. BACKFILL OF ALL TRENCHES UNDER EXISTING OR PROPOSED PAVEMENTS AND CURB AND GUTTER SHALL BE MECHANICALLY COMPACTED IN 9" MAXIMUM LOOSE LIFTS TO A MINIMUM OF 95% STANDARD PROCTOR PEAK DRY DENSITY.
7. SANITARY SEWER PIPE TO BE LOCATED UNDERNEATH STORM DRAINAGE PIPE SHALL BE DUCTILE IRON EXTENDING AT LEAST 10 FEET BEYOND EACH SIDE OF CONCRETE PIPE.
8. DEFLECTION TEST SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. DEFLECTION TEST SHALL BE RUN USING A RIGID BALL OR MANDREL HAVING A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
9. WATER MAINS SHALL BE INSTALLED WITH 4' MINIMUM COVER UNDER ROADWAY SECTIONS AND 3' MINIMUM COVER ELSEWHERE.
10. CONTRACTOR SHALL MAINTAIN RECORDS DURING CONSTRUCTION OF HORIZONTAL AND VERTICAL LOCATION OF ALL WATER AND SEWER SERVICES FOR AS BUILT RECORDS.

NOTE:
FIRE HYDRANTS APPROVED BY THE FIRE CHIEF
CITY OF RIDGELAND 7/05/95.



RECORD DRAWING
THESE DRAWINGS SHOW AS BUILT
LOCATIONS OF WATER AND SEWER
SYSTEMS ONLY.

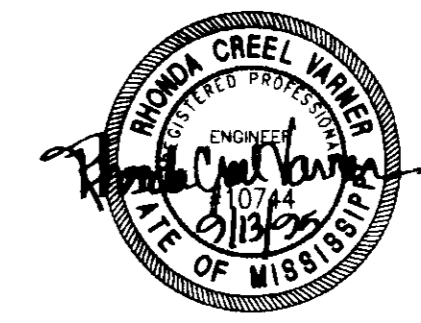
BY: *R. Kamm* DATE: *9/13/95*



GRAPHIC SCALE



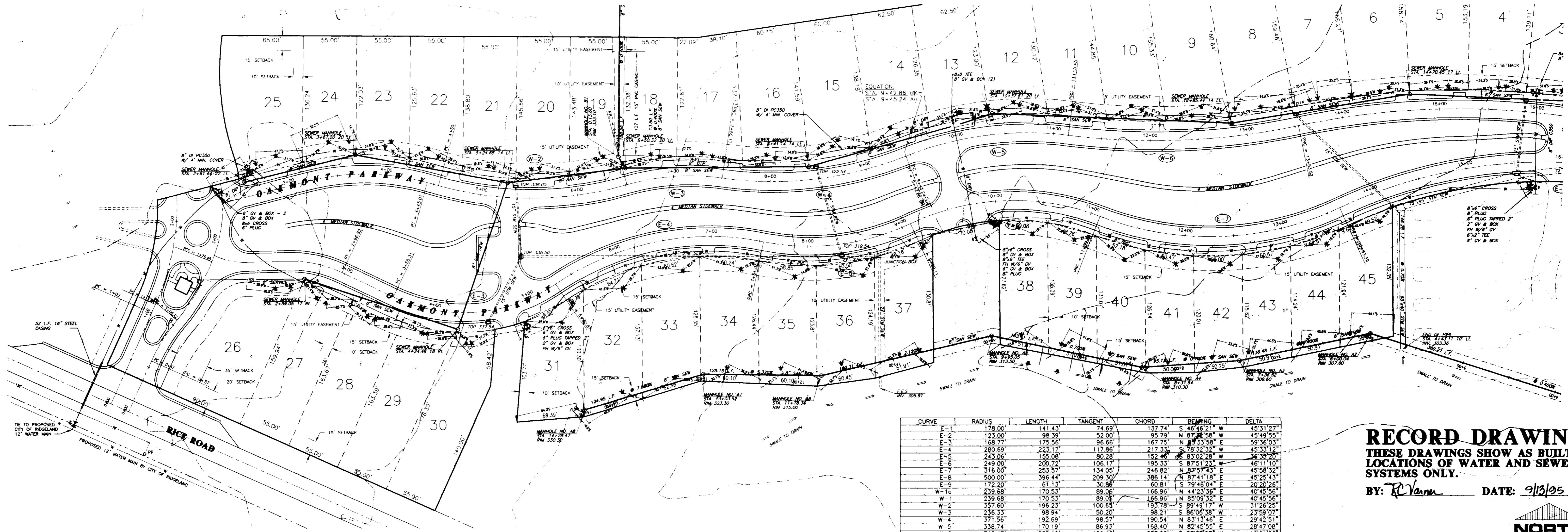
(IN FEET)
1 inch = 60 ft



OAKMONT PART ONE EDWARDS HOMES, INC. OWNER & DEVELOPER	
WATER & SEWER LAYOUT	
CITY OF RIDGELAND MADISON COUNTY, MISSISSIPPI	
DESIGN: RCV	DATE: 08/01/95
DRAWN: RDP	DATE: 08/01/95
CHECK: RCV	DATE: 08/01/95
SCALE: 1"=60'	
DRAWING NO. 6 of 15	

AS BUILT CHANGES	REVISION	BY	DATE

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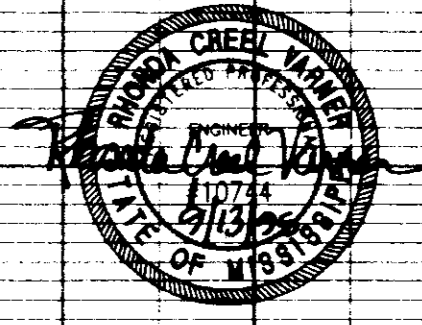
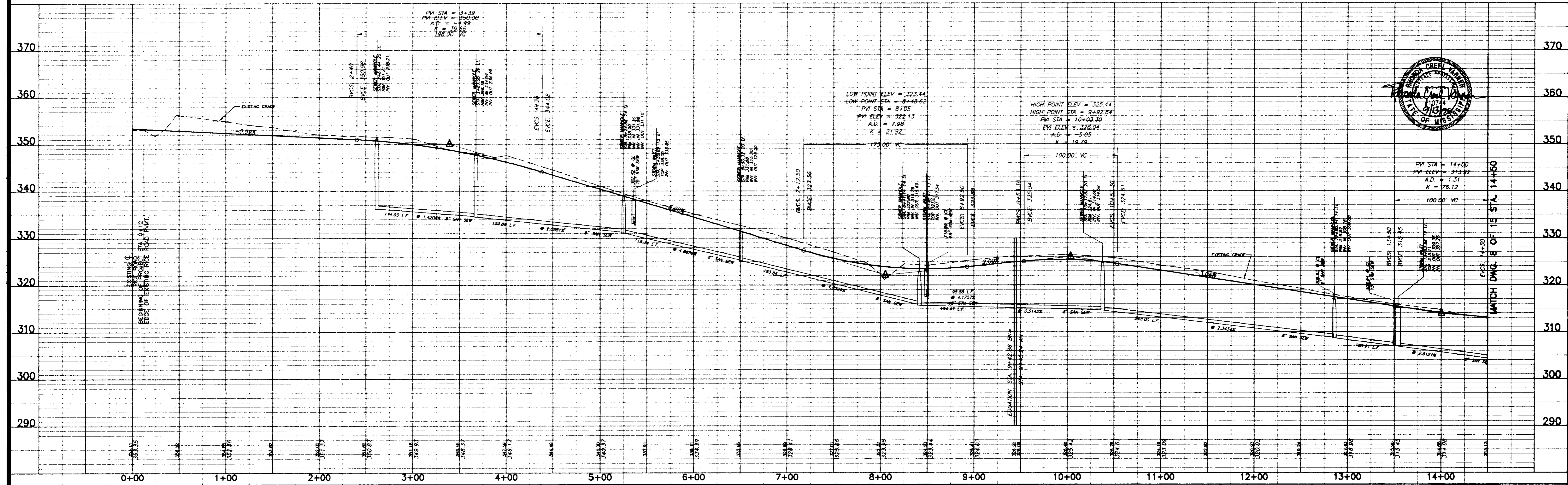


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
E-1	178.00'	141.43'	74.69'	137.74'	S 45°48'21" W	45°31'27"
E-2	123.00'	98.39'	52.00'	95.79'	N 87°28'58" E	45°49'55"
E-3	168.77'	175.56'	96.66'	167.75'	N 89°33'58" E	59°36'03"
E-4	280.69'	223.17'	117.86'	217.33'	S 76°32'32" W	45°33'12"
E-5	243.06'	155.08'	80.28'	152.46'	S 83°02'28" W	36°38'29"
E-6	249.00'	200.72'	106.17'	195.33'	S 87°51'23" W	46°11'10"
E-7	316.00'	253.57'	134.05'	246.82'	N 82°57'43" E	45°58'32"
E-8	500.00'	396.44'	209.30'	386.14'	N 87°41'18" E	45°25'43"
E-9	172.20'	61.13'	30.88'	60.81'	S 79°48'04" E	20°20'25"
W-10	239.68'	170.53'	89.06'	166.96'	N 44°23'36" E	40°45'56"
W-1	239.68'	170.53'	89.06'	166.96'	N 85°09'32" E	40°45'56"
W-2	357.60'	196.23'	100.64'	193.78'	S 89°49'17" W	31°26'25"
W-3	216.33'	98.94'	50.20'	98.21'	S 86°05'38" W	7°35'07"
W-4	371.56'	192.69'	98.57'	190.54'	N 83°13'46" E	29°42'51"
W-5	338.74'	170.19'	86.93'	168.40'	N 82°45'55" E	28°47'08"
W-6	715.43'	238.10'	120.16'	237.00'	S 87°37'27" W	19°04'06"
W-7	800.00'	610.92'	321.72'	596.18'	S 80°02'01" E	43°45'13"
W-8	152.20'	84.42'	43.33'	83.35'	N 74°02'51" W	31°46'53"

RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.

BY: *R. Vanman* DATE: 9/13/95

NORTH
 SCALE 1"=50' HORIZ.
 1"= 10' VERT.



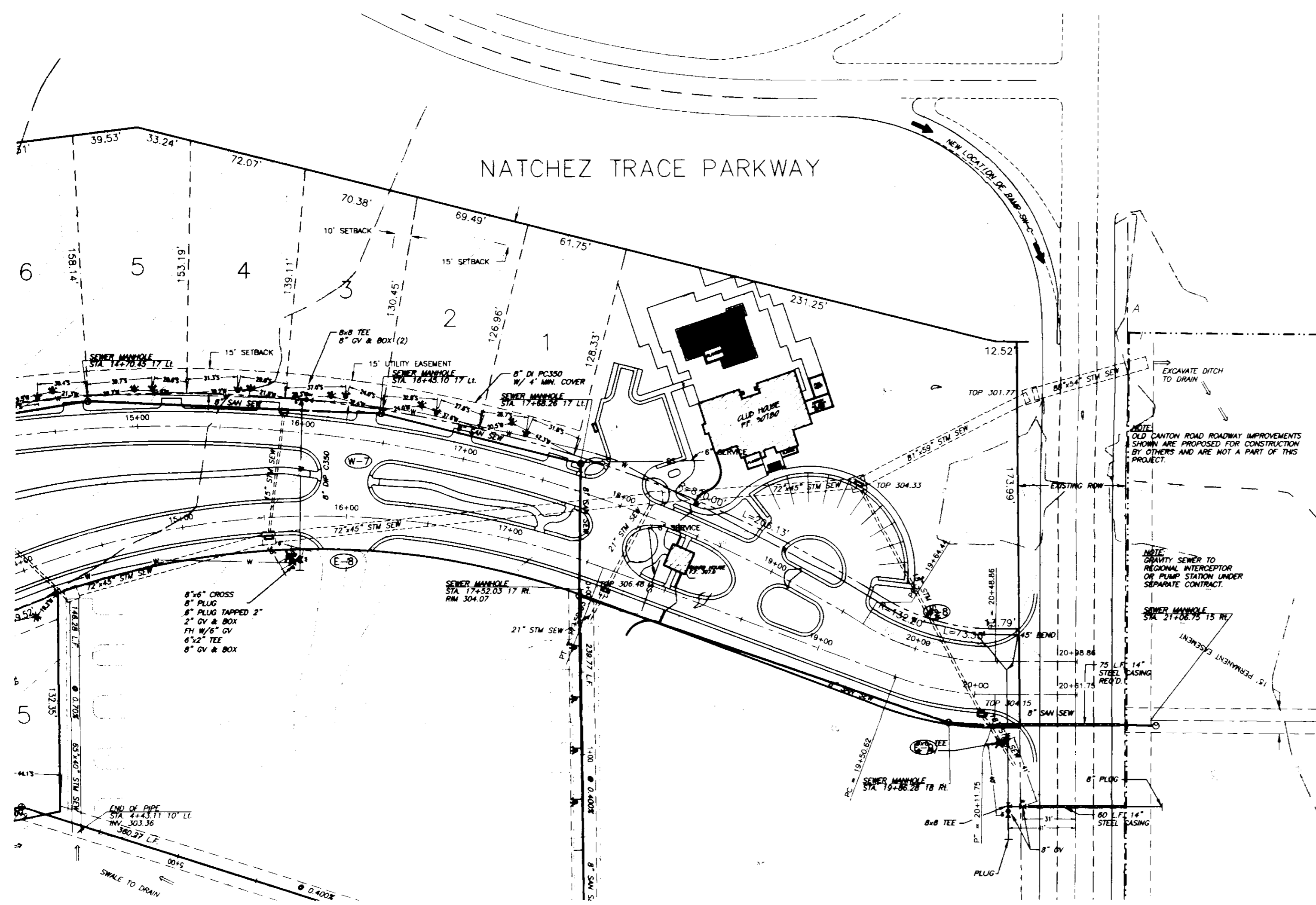
OAKMONT PART ONE

PLAN AND PROFILE - WEST BOUND LANE
 STA. 0+00 - STA. 14+50

Prepared For:
EDWARDS HOMES, INC.
 OWNER AND DEVELOPER

Designed By: RCV	DATE: 09/19/95
Checked By: RCV	DATE: 09/19/95
Scale: 1"=50' HORIZ.	1"=10' VERT.

Drawing No.
7 of 15

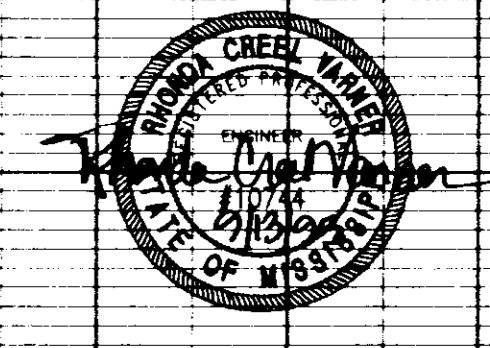
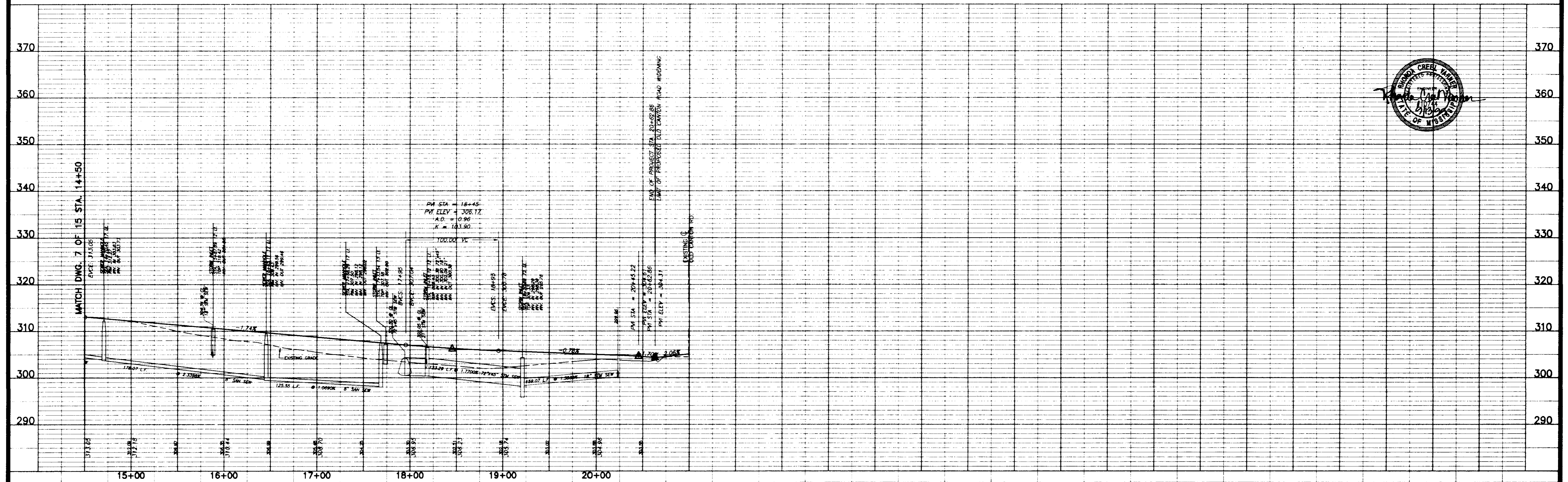


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
E-1	178.00'	141.43'	74.69'	137.74'	S 45°48'21" W	45°31'22"
E-2	123.00'	98.39'	52.00'	95.79'	N 87°32'58" W	45°49'55"
E-3	168.77'	175.56'	96.66'	167.75'	N 85°33'58" E	59°36'03"
E-4	280.69'	223.17'	117.86'	217.33'	S 78°32'32" W	45°33'12"
E-5	243.06'	155.08'	80.28'	152.46'	S 83°02'28" W	36°33'20"
E-6	249.00'	205.72'	106.17'	195.33'	S 87°51'23" W	46°11'10"
E-7	316.00'	253.57'	134.05'	246.82'	N 87°57'43" E	45°58'32"
E-8	500.00'	396.44'	209.30'	386.14'	N 87°41'18" E	45°25'43"
E-9	172.20'	61.13'	30.89'	60.81'	S 79°46'04" E	20°20'26"
W-10	239.68'	170.53'	89.06'	166.96'	N 44°23'36" E	40°45'56"
W-1	239.68'	170.53'	89.05'	166.96'	N 85°09'32" E	40°45'56"
W-2	357.60'	196.23'	100.65'	193.78'	S 89°49'17" W	31°26'25"
W-3	236.33'	236.33'	98.94'	50.20'	S 86°05'36" W	23°59'07"
W-4	371.56'	192.69'	98.57'	190.54'	N 83°13'46" E	29°42'51"
W-5	338.74'	170.19'	86.93'	168.40'	N 82°45'55" E	28°47'08"
W-6	715.43'	238.10'	120.16'	237.00'	S 87°37'27" W	19°04'06"
W-7	800.00'	610.92'	321.22'	596.18'	S 80°02'01" E	43°45'13"
W-8	152.20'	64.42'	43.33'	63.35'	N 74°02'51" W	31°46'53"

RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.

BY: *R. Varma* DATE: *9/13/95*

NORTH
 SCALE 1"=50' HORIZ.
 1"= 10' VERT.



OAKMONT PART ONE

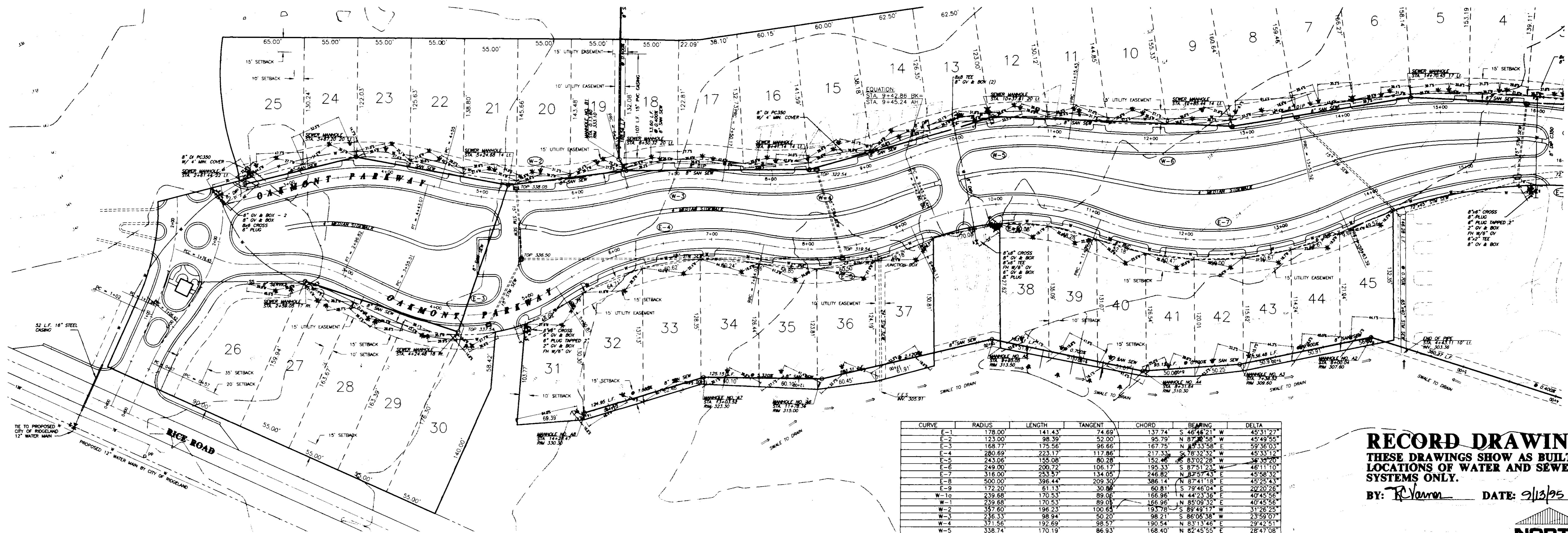
**PLAN AND PROFILE - WEST BOUND LANE
 STA. 14+50 - STA. 20+98.87**

Prepared For:
EDWARDS HOMES, INC.
 OWNER AND DEVELOPER

Designed By:	REV	DATE:	01/18/95
Drawn By:	RDD	DATE:	01/18/95
Checked By:	REV	DATE:	01/18/95
Scale:	1"=50' HORIZ.	1"=10' VERT.	



Drawing No.
8 of 15

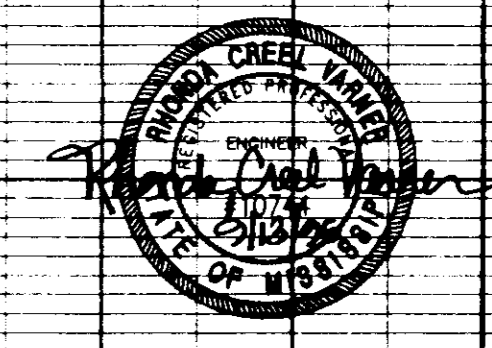
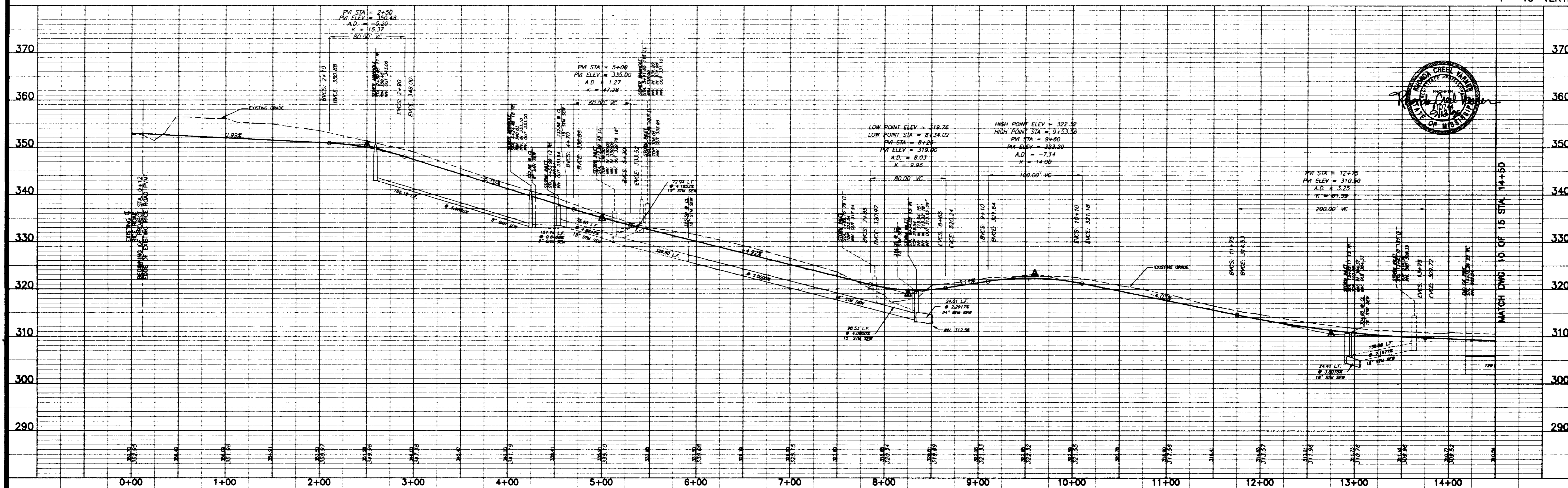


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
E-1	178.00	141.43	74.69	137.74	S 46°46'21" W	45°31'27"
E-2	123.00	98.39	52.00	95.79	N 87°48'58" W	45°49'55"
E-3	168.77	175.56	96.66	167.75	N 85°33'58" E	59°36'03"
E-4	280.69	223.17	117.86	217.33	S 78°32'32" W	45°33'12"
E-5	243.06	155.08	80.28	152.46	S 83°02'28" W	36°33'20"
E-6	249.00	200.72	106.17	195.33	S 87°51'23" W	46°11'10"
E-7	316.00	253.57	134.05	246.82	N 87°57'43" E	45°58'32"
E-8	500.00	396.44	209.30	386.14	N 87°41'18" E	45°25'43"
E-9	172.20	61.13	30.86	60.81	S 79°46'04" E	20°20'26"
W-10	239.68	170.53	89.06	166.96	N 44°23'36" E	40°45'54"
W-1	239.68	170.53	89.06	166.96	N 85°09'32" E	40°45'56"
W-2	357.60	196.23	100.63	193.78	S 89°49'17" W	31°26'25"
W-3	236.33	98.94	50.20	98.21	S 86°05'38" W	23°59'07"
W-4	371.56	192.69	98.57	180.54	N 63°13'46" E	28°22'51"
W-5	338.25	170.19	86.83	168.40	N 82°45'52" E	28°47'08"
W-6	715.43	238.10	120.16	237.00	S 87°37'27" W	19°04'06"
W-7	800.00	610.92	321.22	596.18	S 80°02'01" E	43°45'13"
W-8	152.20	84.42	43.33	83.35	N 74°02'51" W	31°46'53"

RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.

BY: *R. Vanon* DATE: 9/13/95

NORTH
 SCALE 1"=50' HORIZ.
 1"= 10' VERT.



OAKMONT PART ONE

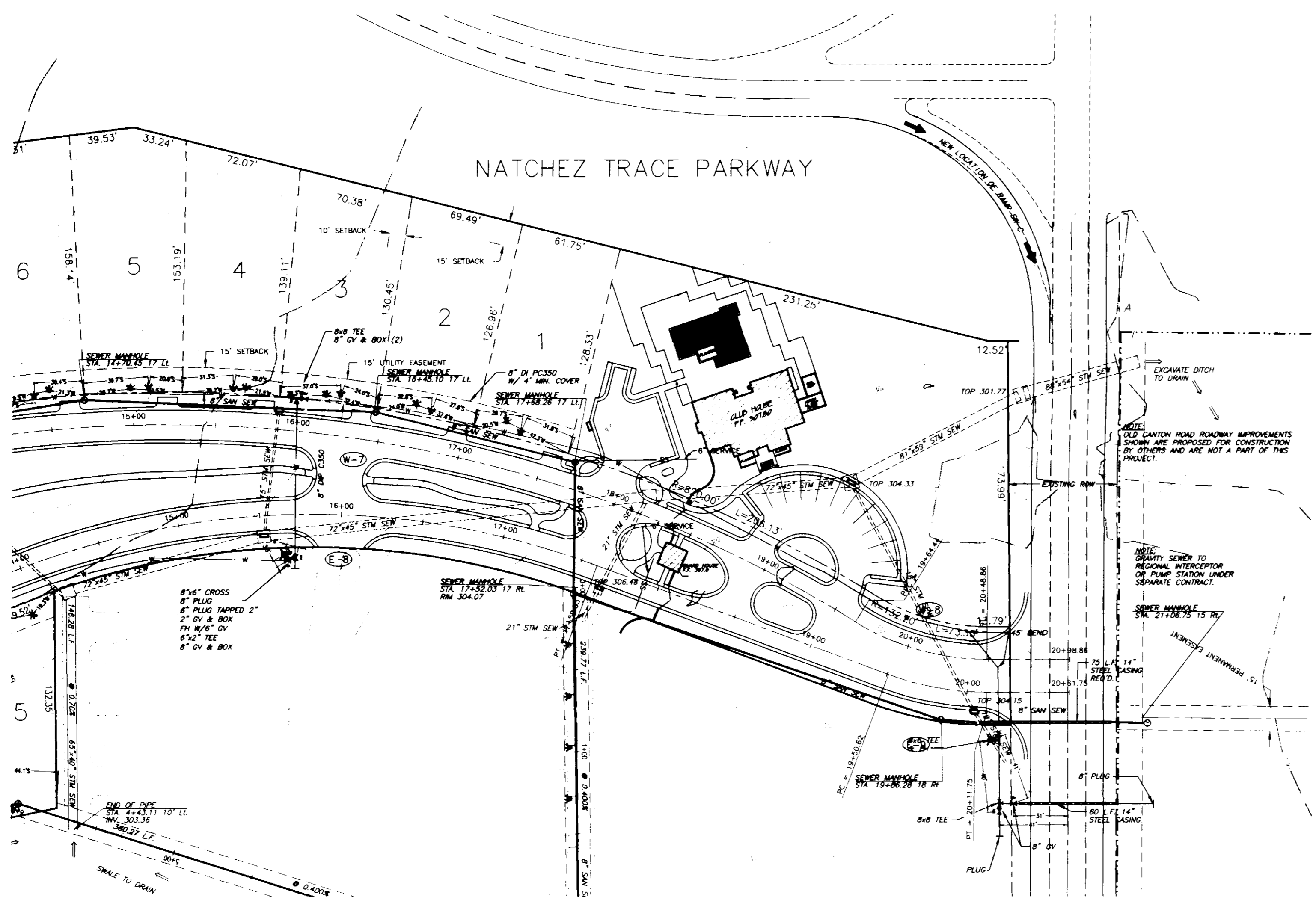
**PLAN AND PROFILE - EAST BOUND LANE
 STA. 0+00 - STA. 14+50**

Prepared For:
EDWARDS HOMES, INC.
 OWNER AND DEVELOPER

Designed by: *RCV* DATE: 05/18/95
 Drawn by: *RDP* DATE: 05/18/95
 Checked by: *RCV* DATE: 05/18/95
 Scale: PLAN 1/2"=10' VERT. 1"=10'

STERLING
 CONSULTANTS
 Drawing No. **9 of 15**

C:\OAKMONT\OAK-TEST.mxd Sep 13 17:02:28 1995 R. David Bates - Sterling Consultants, Inc.

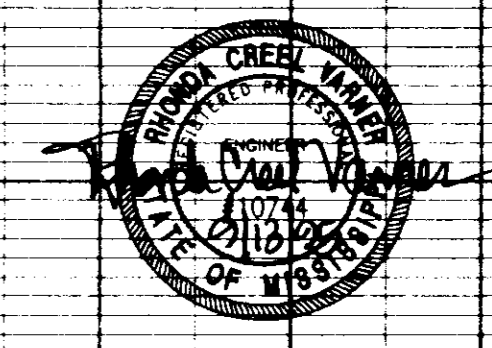
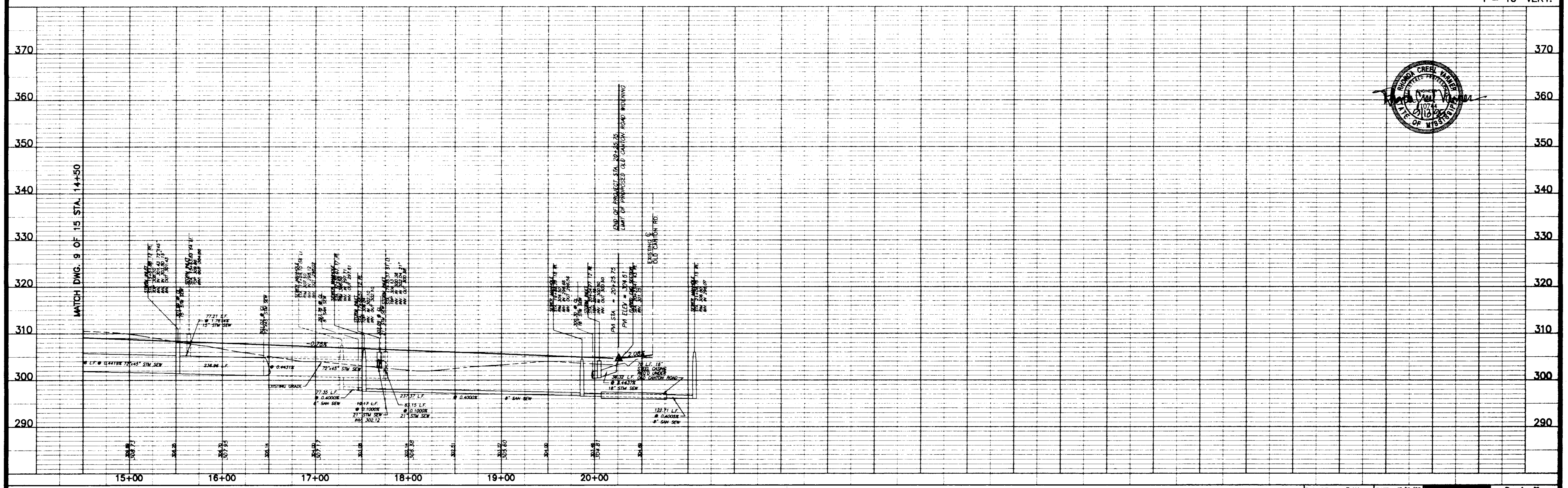


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
E-1	178.00	141.43	74.69	137.74	S 46°45'21" W	45°31'27"
E-2	123.00	98.39	52.00	95.79	N 87°32'56" W	45°49'55"
E-3	168.77	175.56	96.66	167.70	N 85°33'58" E	50°36'03"
E-4	280.69	223.17	117.86	217.33	S 78°32'32" W	45°33'12"
E-5	243.06	155.08	80.28	152.46	S 83°02'28" W	36°33'20"
E-6	249.00	200.72	106.17	195.33	S 87°51'23" W	46°11'10"
E-7	316.00	233.57	134.05	246.82	N 87°57'43" E	45°58'32"
E-8	500.00	396.44	209.30	386.14	N 87°41'18" E	45°25'43"
E-9	172.20	61.13	30.89	60.81	S 79°46'04" E	20°20'26"
W-10	239.68	170.53	89.06	166.96	N 44°33'35" E	40°45'56"
W-1	239.68	170.53	89.06	166.96	N 85°09'32" E	40°45'56"
W-2	357.60	196.23	100.65	193.78	S 89°49'17" W	31°26'25"
W-3	236.33	98.94	50.20	98.21	S 86°05'38" W	23°59'07"
W-4	371.56	192.69	98.57	190.54	N 83°13'46" E	28°42'51"
W-5	338.74	170.19	86.93	168.40	N 82°45'55" E	28°47'08"
W-6	715.43	238.10	120.16	237.00	S 87°37'27" W	19°04'06"
W-7	800.00	610.92	321.22	596.18	S 80°02'01" E	43°45'13"
W-8	152.20	84.42	43.33	83.35	N 74°02'51" W	31°46'53"

RECORD DRAWING
 THESE DRAWINGS SHOW AS BUILT
 LOCATIONS OF WATER AND SEWER
 SYSTEMS ONLY.

BY: *R. Kenna* DATE: 9/15/95

NORTH
 SCALE 1"=50' HORIZ.
 1"= 10' VERT.



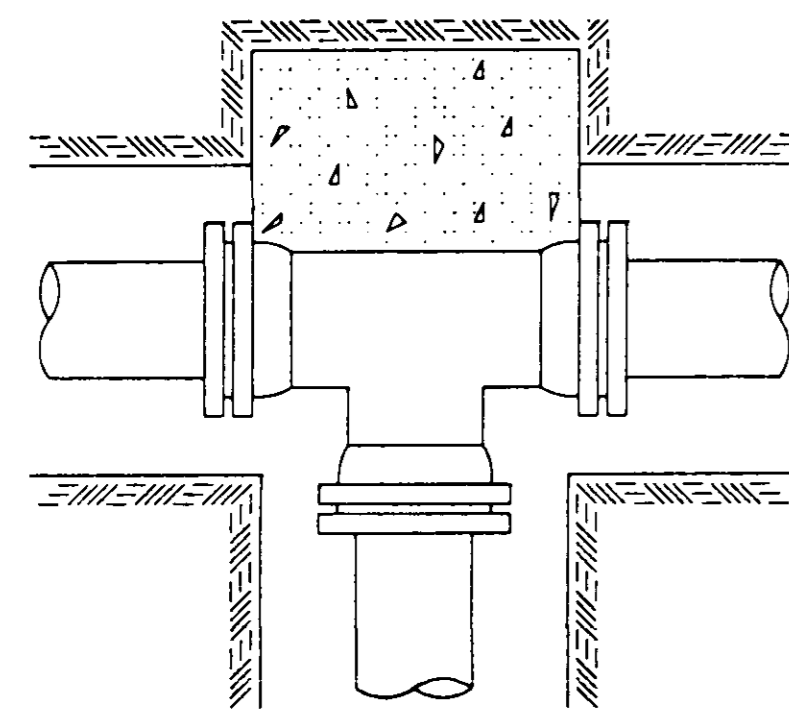
OAKMONT PART ONE

PLAN AND PROFILE - EAST BOUND LANE
 STA. 14+50 - STA. 20+61.75

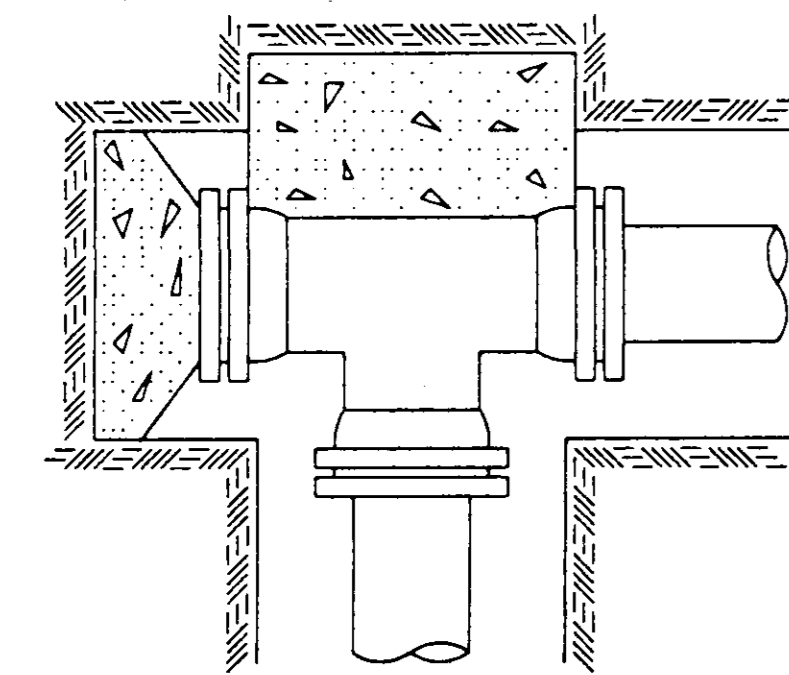
Prepared For:
EDWARDS HOMES, INC.
 OWNER AND DEVELOPER

Designed By: *REV* DATE: 05/18/95
 Drawn By: *RDP* DATE: 05/18/95
 Checked By: *REV* DATE: 05/18/95
 Scale: T=50' HORIZ T=10' VERT.

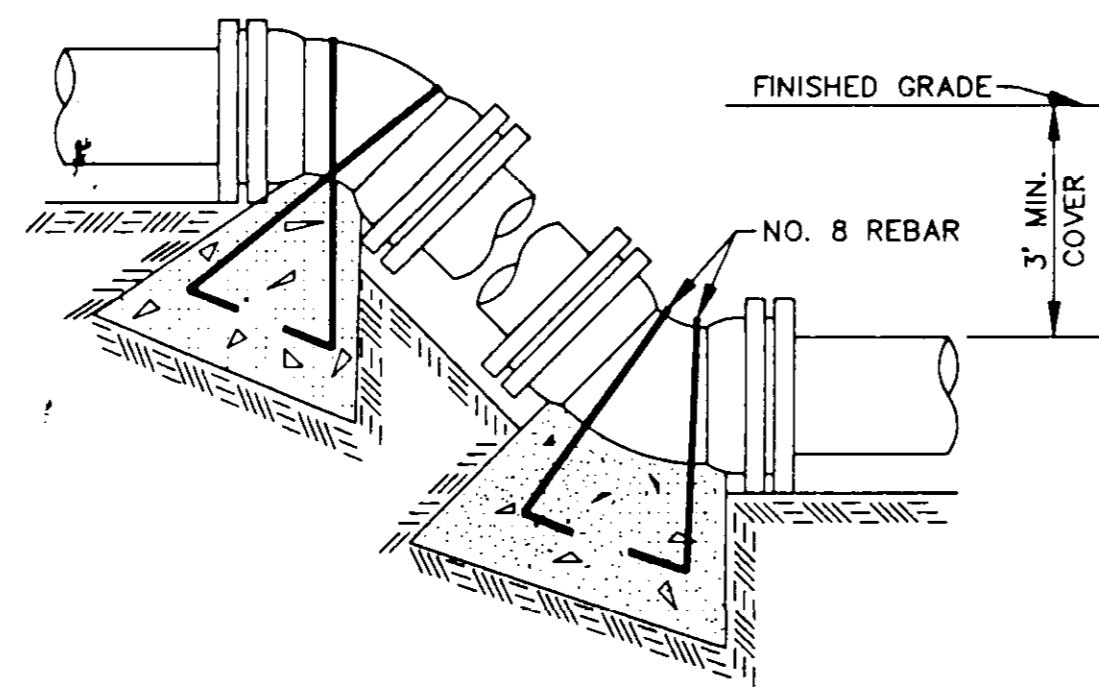
STERLING CONSULTANTS
 Drawing No. **10 of 15**



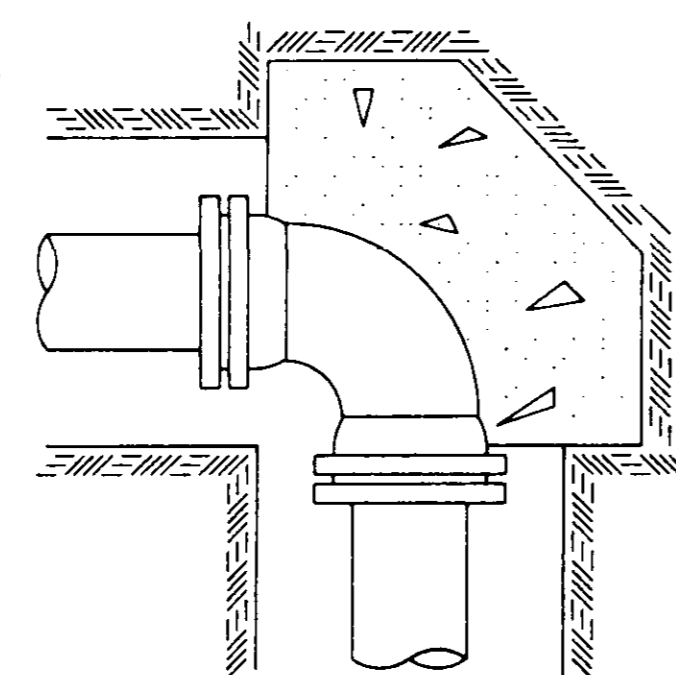
TEE



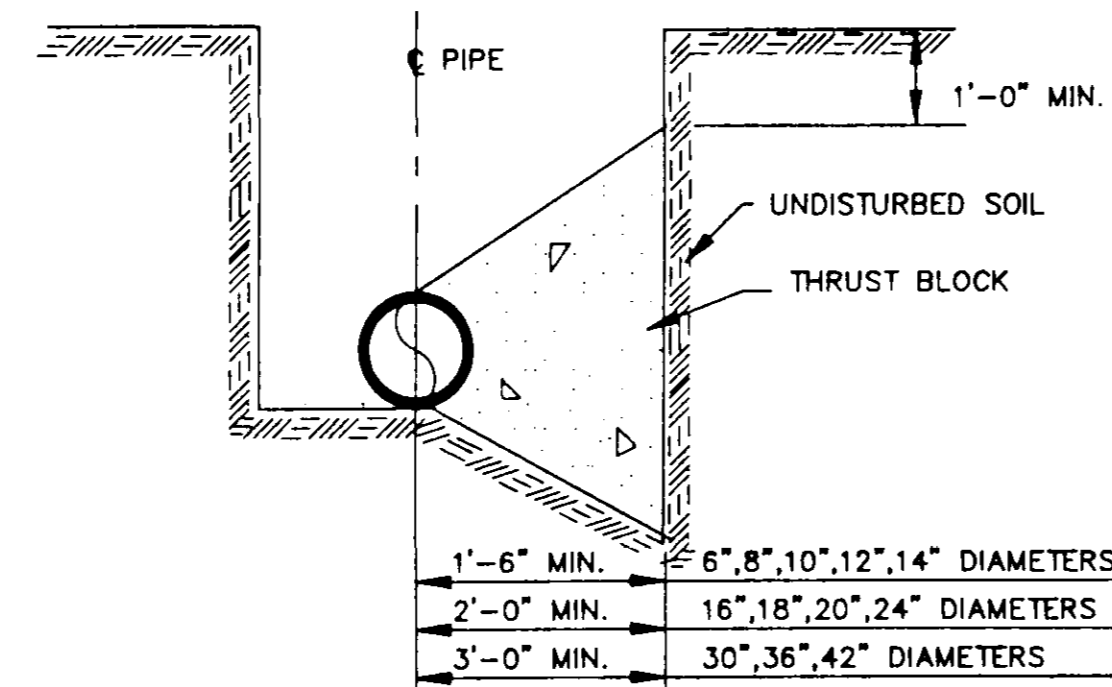
PLUGGED TEE



VERTICAL BENDS



90° BEND



TYPICAL CROSS SECTION

TYPICAL THRUST BLOCKING IN WATER MAINS AND SEWAGE FORCE MAINS

N.T.S.
NOTE: ALL THRUST BLOCKS 2,500 PSI CONCRETE AGAINST UNDISTURBED EARTH

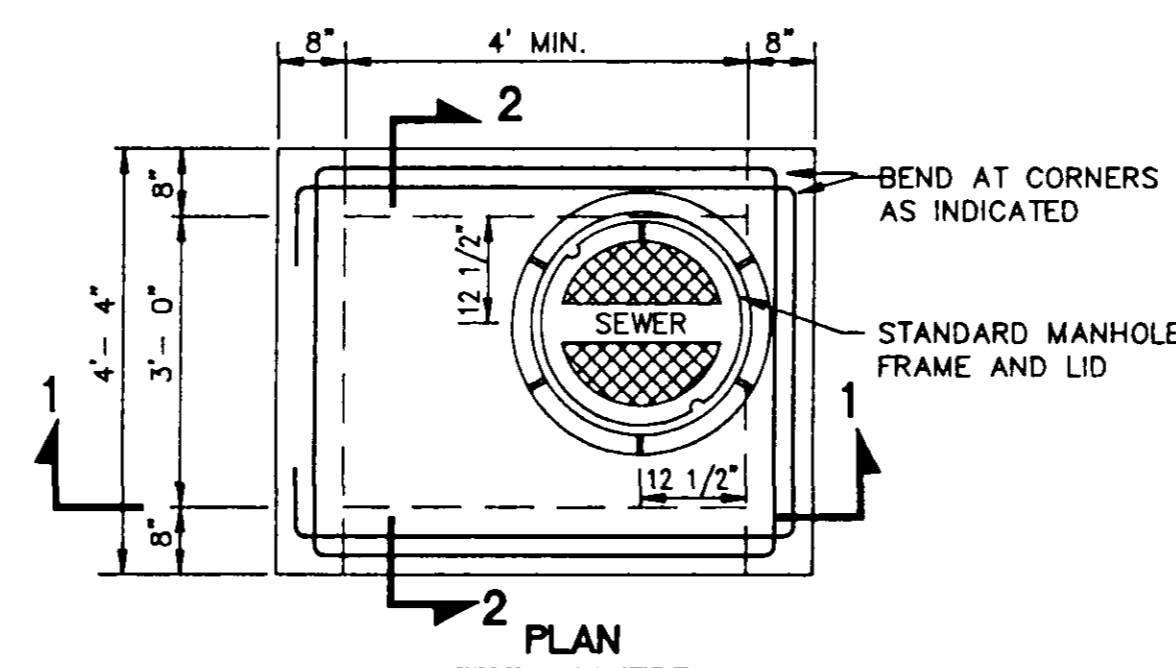
BEARING AREA IN SQ. FT.

NOMINAL PIPE DIAMETER (IN)	VERTICAL BENDS					NOMINAL PIPE DIAMETER (IN)	VERTICAL BENDS				
	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND		DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6	2.5	3.0	2.0	2.0	2.0	6	—	—	26.0(1.0)	14.0(.5)	7.0(.3)
8	4.0	6.0	3.0	2.0	2.0	8	—	—	45.0(1.7)	25.0(.9)	13.0(.5)
10	6.0	9.0	5.0	2.5	2.0	10	—	—	68.0(2.5)	37.0(1.4)	19.0(.7)
12	9.0	11.0	6.0	3.5	2.0	12	—	—	97.0(3.6)	52.0(1.9)	27.0(1.0)
14	12.0	18.0	9.0	5.0	2.5	14	—	—	130(4.8)	70.0(2.6)	36.0(1.3)
16	16.0	22.5	12.0	6.0	3.0	16	—	—	168(6.2)	91.0(3.4)	46.0(1.7)
18	20.0	28.0	15.0	8.0	4.0	18	—	—	211(7.8)	114(4.2)	58.0(2.2)
20	24.5	34.0	19.0	10.0	5.0	20	—	—	259(9.6)	140(5.2)	72.0(2.6)
24	35.0	49.0	27.0	14.0	7.0	24	—	—	370(13.7)	200(7.4)	102(3.8)
30	54.0	76.0	41.0	21.0	10.0	30	—	—	568(21.1)	308(11.4)	156(5.8)
36	77.0	108.0	59.0	30.0	15.0	36	—	—	814(30.1)	440(16.3)	225(8.3)
42	104.0	146.0	79.0	40.0	20.0	42	—	—	1100(40.7)	595(22.0)	303(11.2)

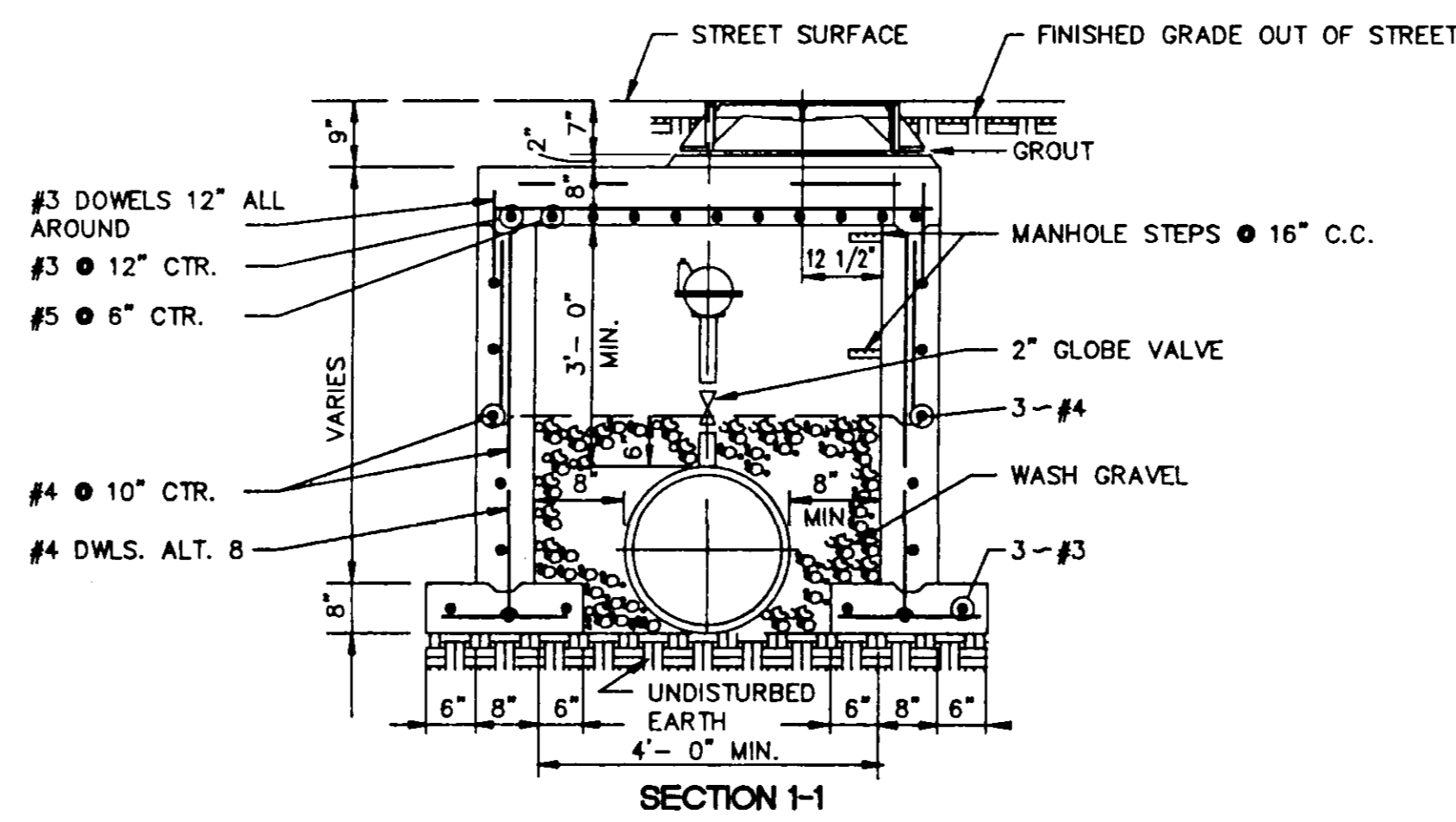
VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

NOTE:
ABOVE VALUES CALCULATED USING P=100 AND ALLOWANCE.
SOIL BRG. = 1500 PSF. FOR DIFFERENT P, MULTIPLY ABOVE VALUES BY P/100.
FOR DIFFERENT SOIL BRG, MULTIPLY ABOVE VALUES BY 1500/S.B.

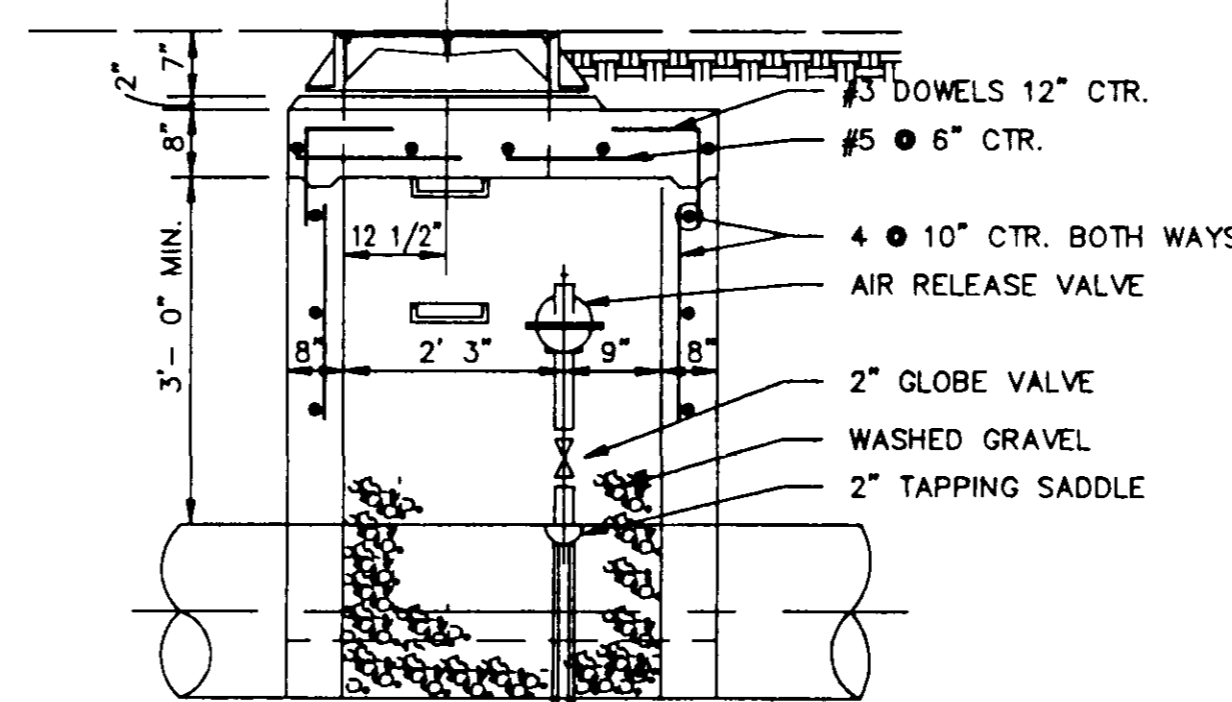
NOTE:
ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



PLAN



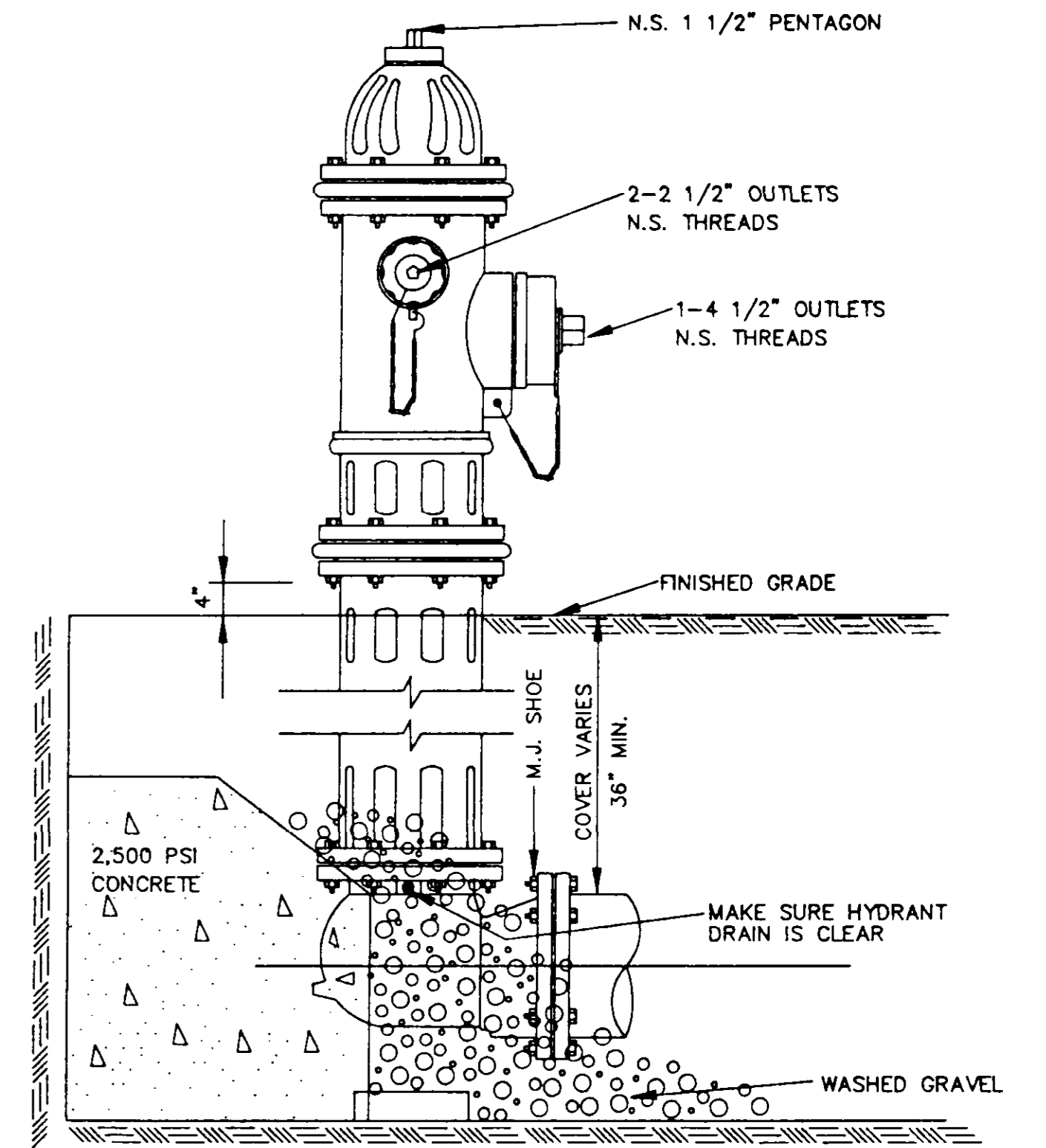
SECTION 1-1



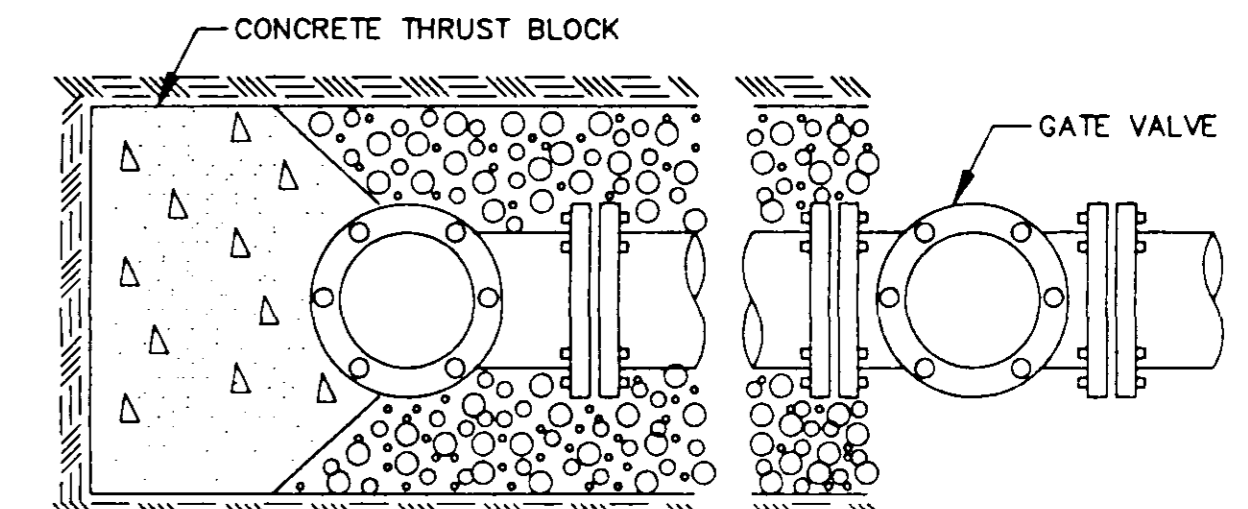
SECTION 2-2

TYPICAL AIR OR AIR VACCUUM RELEASE VALVE INSTALLATION WITH MANHOLE

NOT TO SCALE



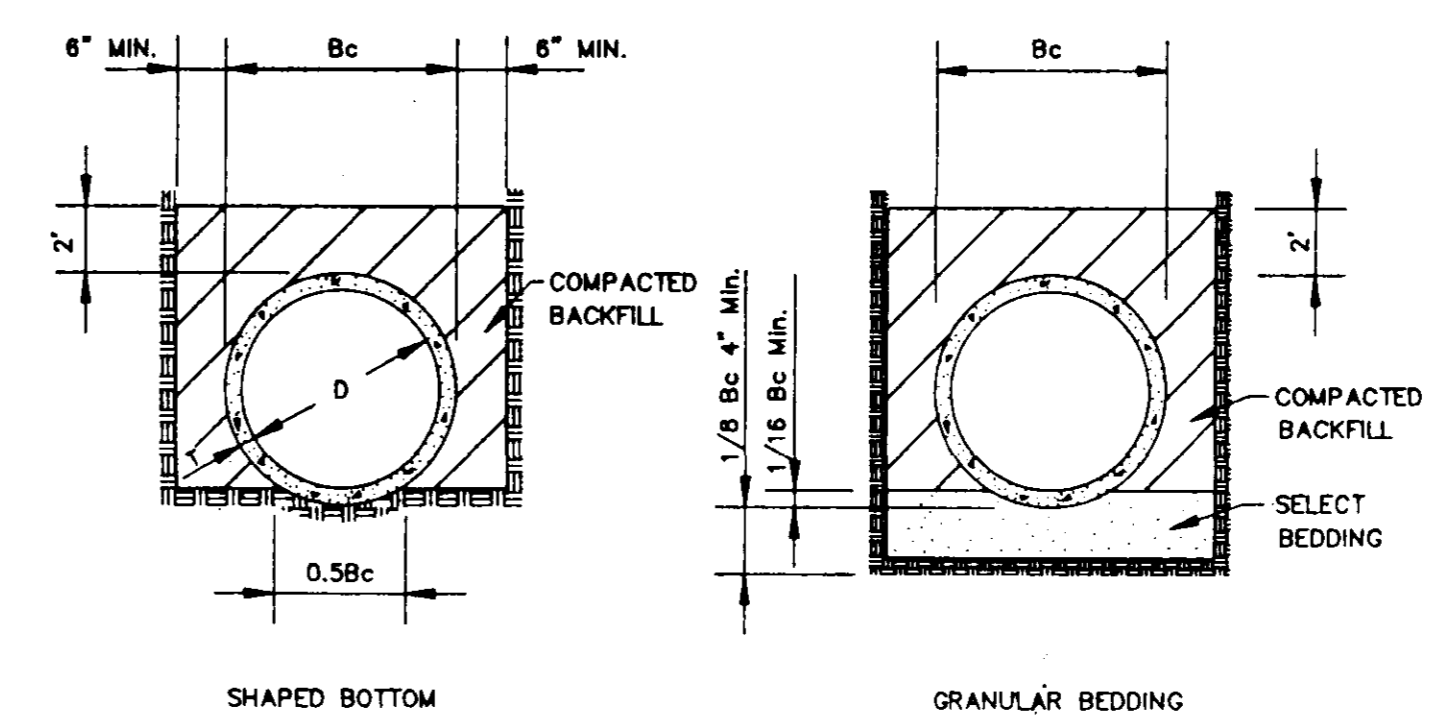
ELEVATION



PLAN

TYPICAL FIRE HYDRANT INSTALLATION

NOTE: GATE VALVES WILL BE REQUIRED ON ALL FIRE HYDRANT LEGS.
N.T.S.

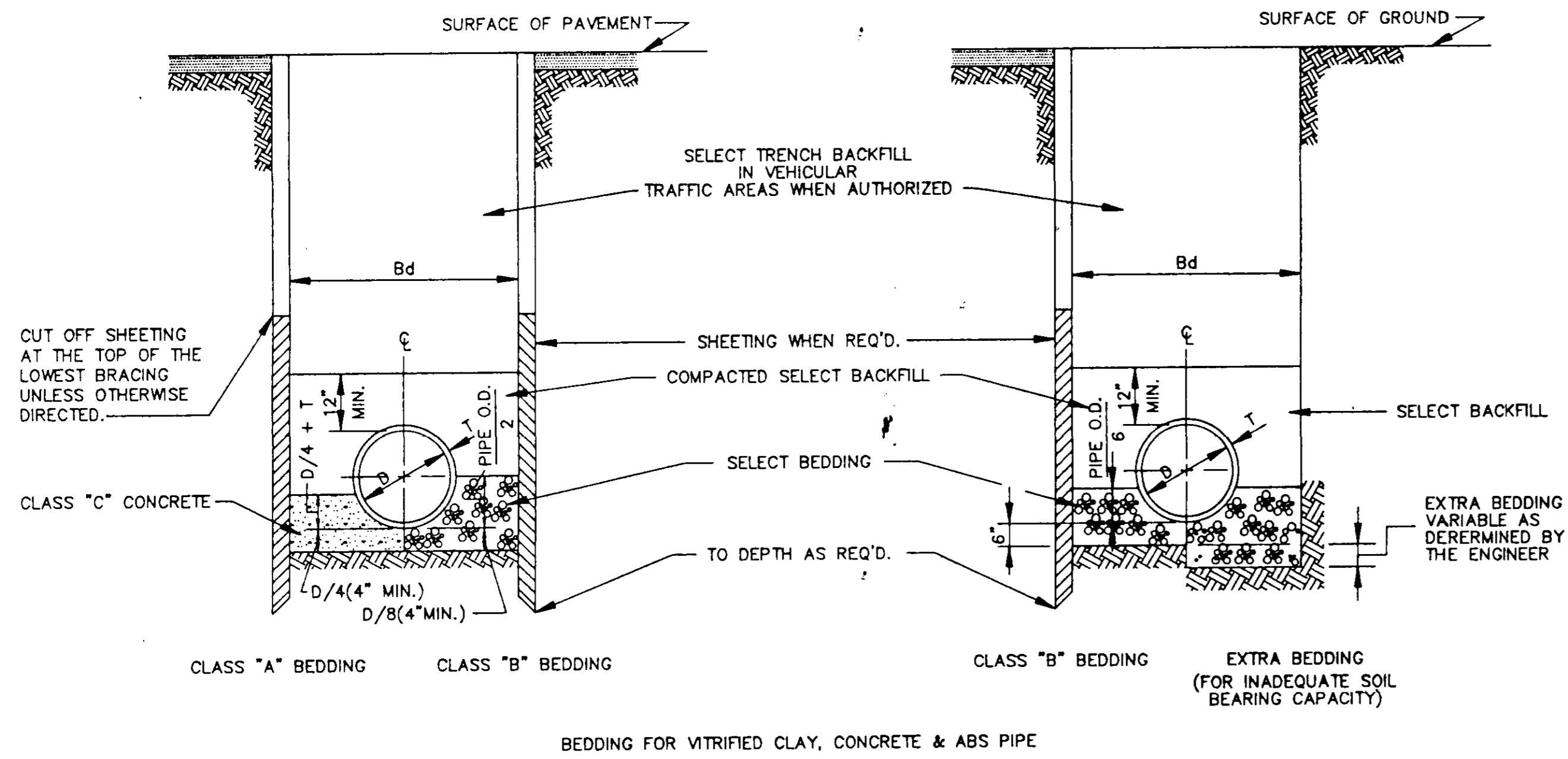


TYPICAL TRENCH DETAILS

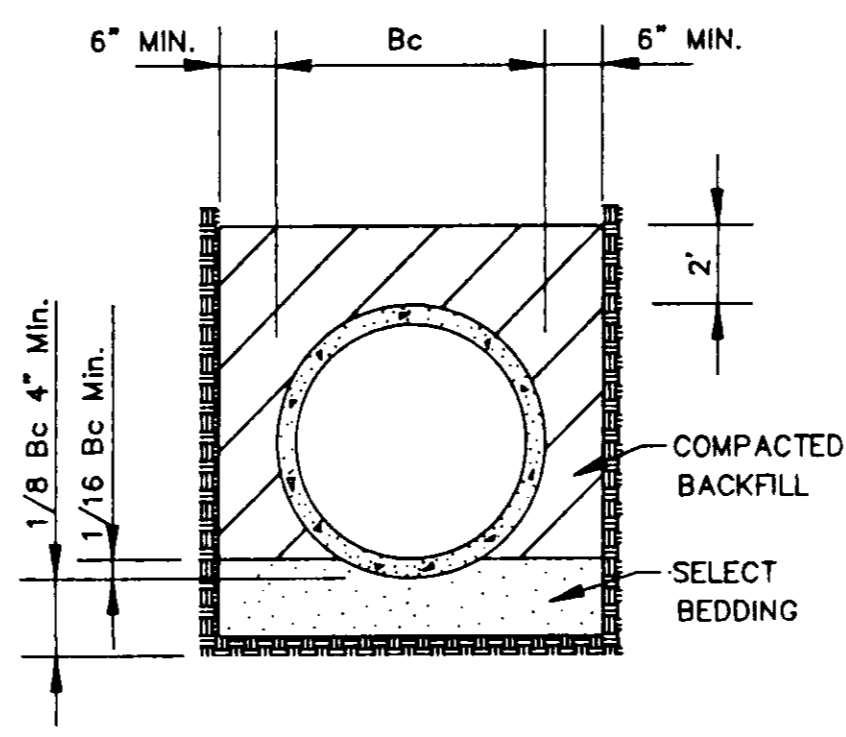
N.T.S.

CITY OF RIDGELAND, MS.
STANDARD DETAILS

DSGN:		THE CITY OF RIDGELAND	DRAWING NO. 11 OF 15
DRWN:			
CHKD:			
SCALE:			



TYPICAL TRENCH DETAILS (FORCE MAIN)



CLASS "A" BEDDING
 MATERIAL SHALL BE CLASS "C" CONCRETE CRADLES. THE PIPE SHALL BE LAID ON CONCRETE SADDLES CONSTRUCTED TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE PIPE WHILE THE CRADLE IS BEING PLACED. PIPE SUPPORTS OF WOOD BLOCKS, LOOSE BRICK, ETC., WILL NOT BE PERMITTED. THE CRADLE SHALL BE POURED AFTER THE JOINTS HAVE BEEN MADE. CARE BEING TAKEN TO PREVENT MOVEMENT OF THE PIPE. WHENEVER THE CONTRACTOR PLACES CONCRETE OUTSIDE THE DIMENSIONS SHOWN ON THE DRAWINGS, THE COST OF SUCH CONCRETE WILL BE AT THE CONTRACTOR'S EXPENSE.

CLASS "B" BEDDING
 MATERIAL SHALL BE SELECT BEDDING AS SPECIFIED. MATERIAL SHALL BE CAREFULLY PLACED AND THOROUGHLY COMPACTED BY TAMPING.

CLASS "C" BEDDING (STANDARD BEDDING)
 MATERIAL SHALL BE THE SAME AS FOR CLASS "B" BEDDING AND SHALL BE PLACED AS SHOWN BY STANDARD DETAILS FOR THE TYPE OF PIPE USED.

TABLE "A"

CARRIER PIPE (INCHES)	CASING PIPE	
	DIA. (INCHES)	STEEL PIPE WALL THICK
8	16	1/4"
10	20	5/16"
12	24	3/8"
14 & 16	30	1/2"
18	36	1/2"
24	36	1/2"
30	54	1/2"
36	54	1/2"
42	66	SEE TABLE "B"
48	72	-
54	78	-
60	84	-
66	96	-
72	108	-
84	120	-
96	144	-

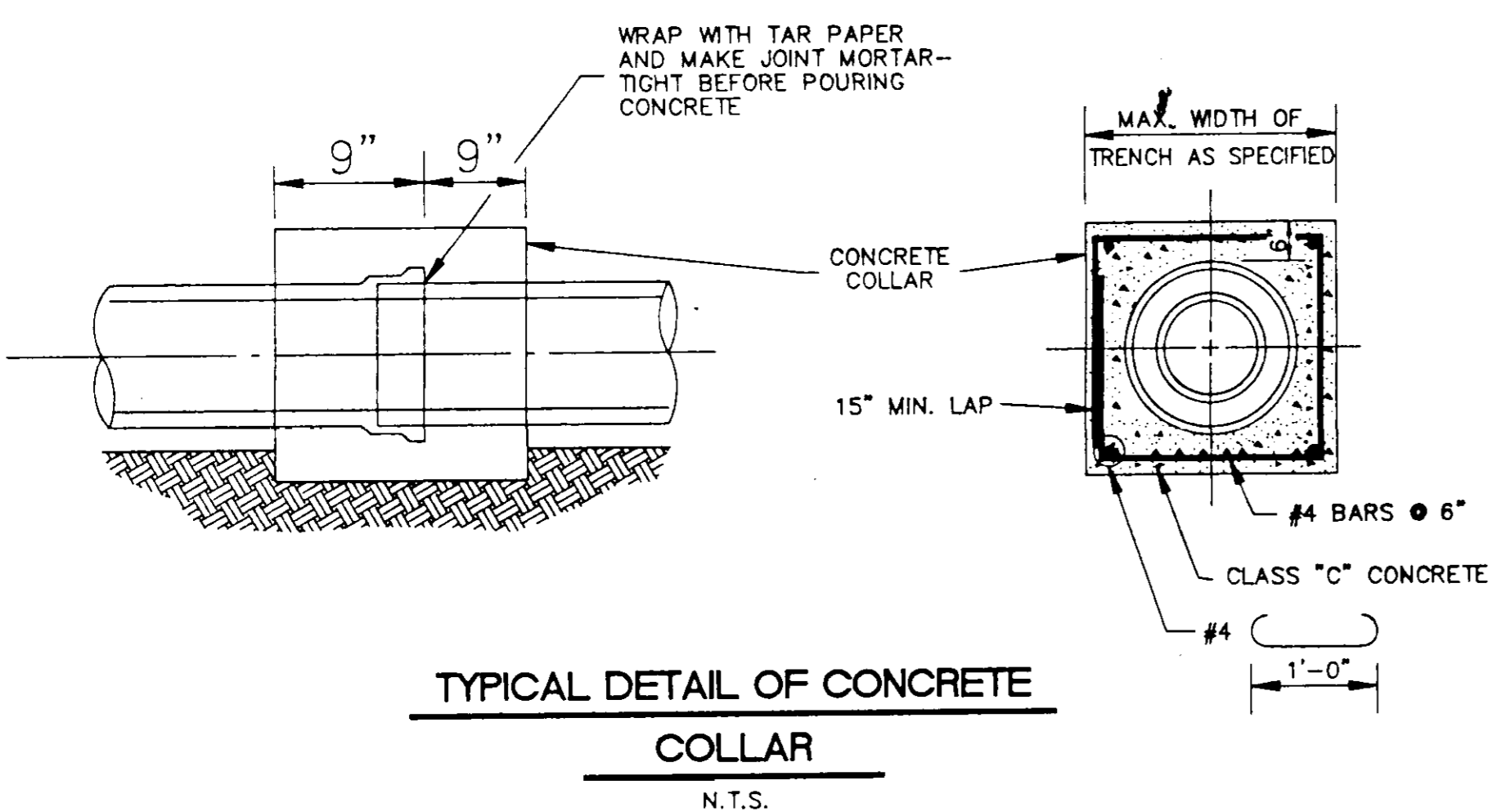
TABLE "B"

NOMINAL DIA. (INCHES)	GAGES OF LINER PLATE FOR CONTINUOUS LOAD-CARRYING STRUCTURES									
	HEIGHT OF COVER (FEET)									
	2-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	
48	12	12	12	12	12	12	12	12	12	10
54	12	12	12	12	12	12	12	12	10	8
60	12	12	12	12	12	12	12	12	8	7
66	12	12	12	12	12	12	10	8	7	5
72	12	12	12	12	12	10	8	7	5	5
78	12	12	12	12	10	8	7	5	5	5
84	12	12	10	10	8	5	5	5	5	5
96	12	10	10	10	8	5	5	5	5	5
108	10	10	10	10	8	7	5	5	5	5
120	10	10	10	8	7	5	5	5	3	3
144	8	8	8	8	5	5	3	1	1	1

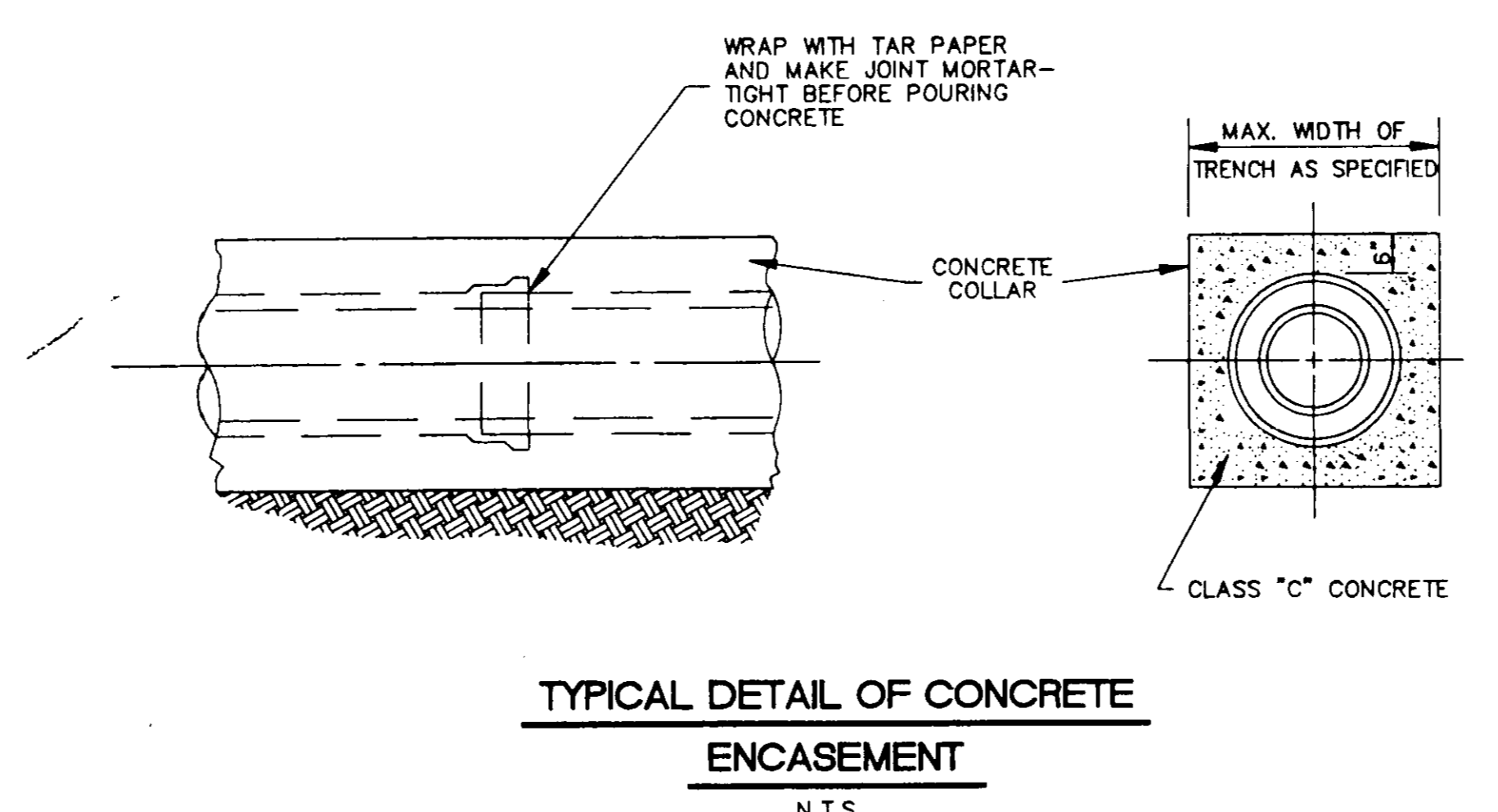
CASING PIPE

SIZE AND THICKNESS OF PIPE FOR RAILROAD & HIGHWAY CROSSING

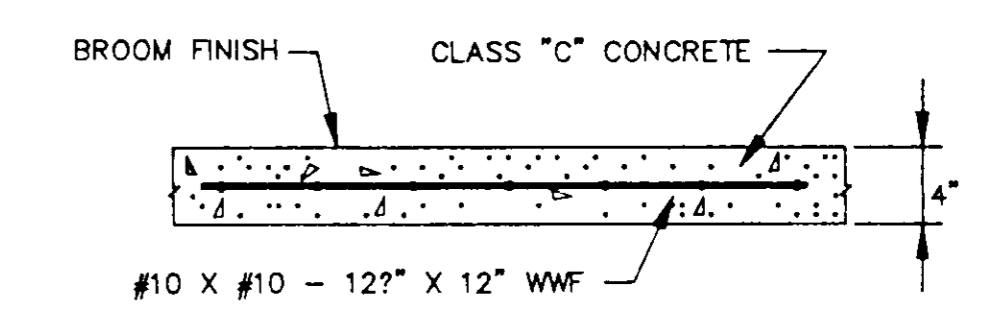
MIN. THICKNESS FOR LINER PLATE CASING IN RAILROAD CROSSING-10 GAGE



TYPICAL DETAIL OF CONCRETE COLLAR
 N.T.S.



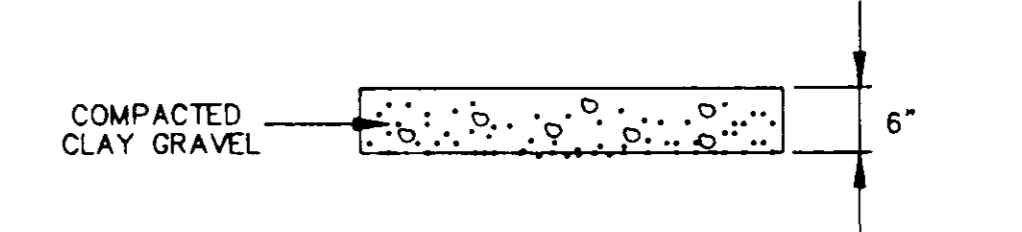
TYPICAL DETAIL OF CONCRETE ENCASEMENT
 N.T.S.



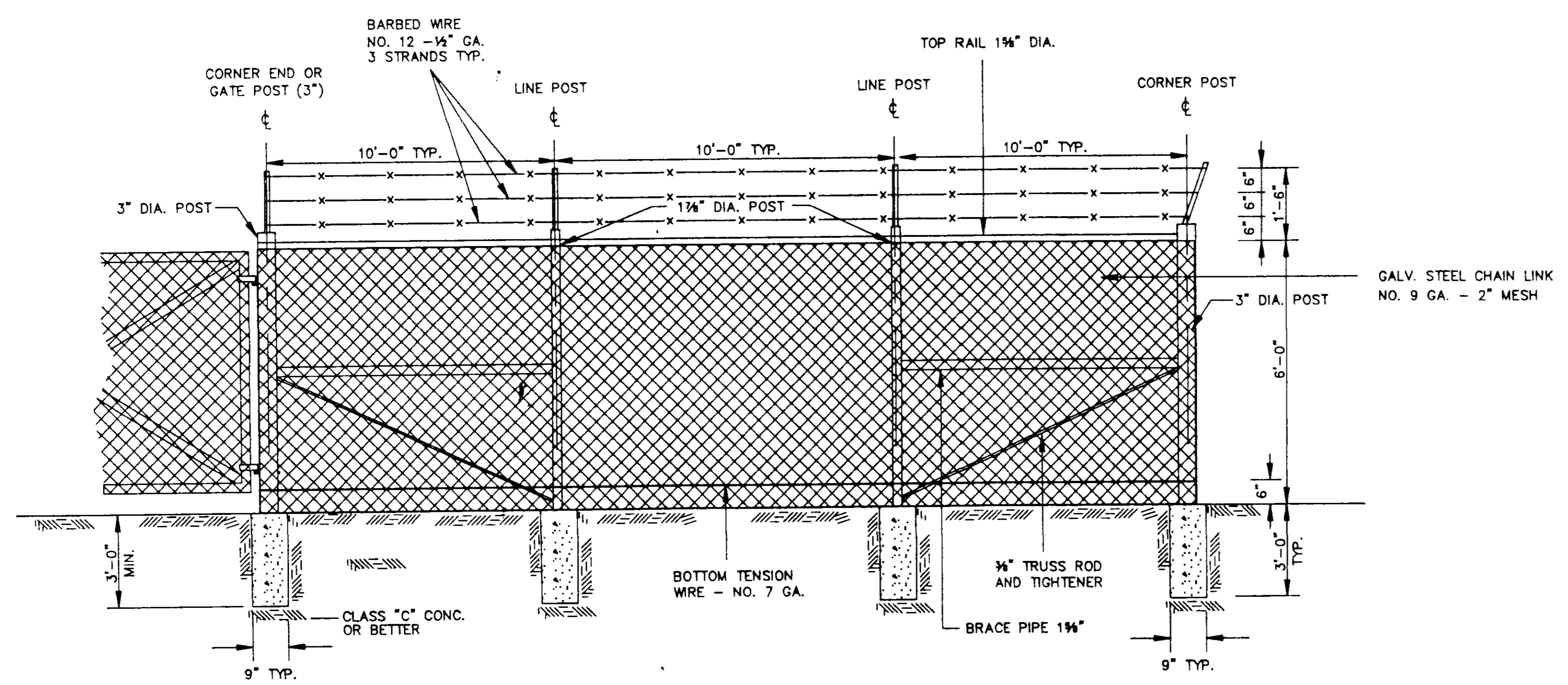
TYPICAL CONC. DRIVEWAY AND SIDEWALK REPAIR



TYPICAL ASPHALT DRIVEWAY REPAIR

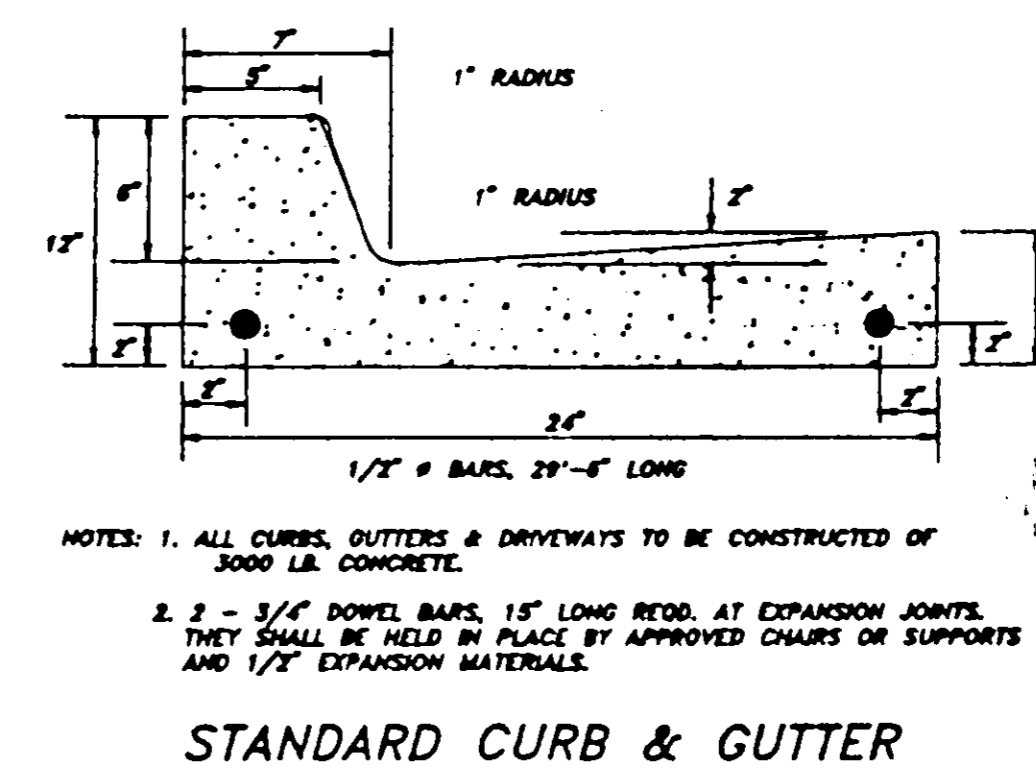
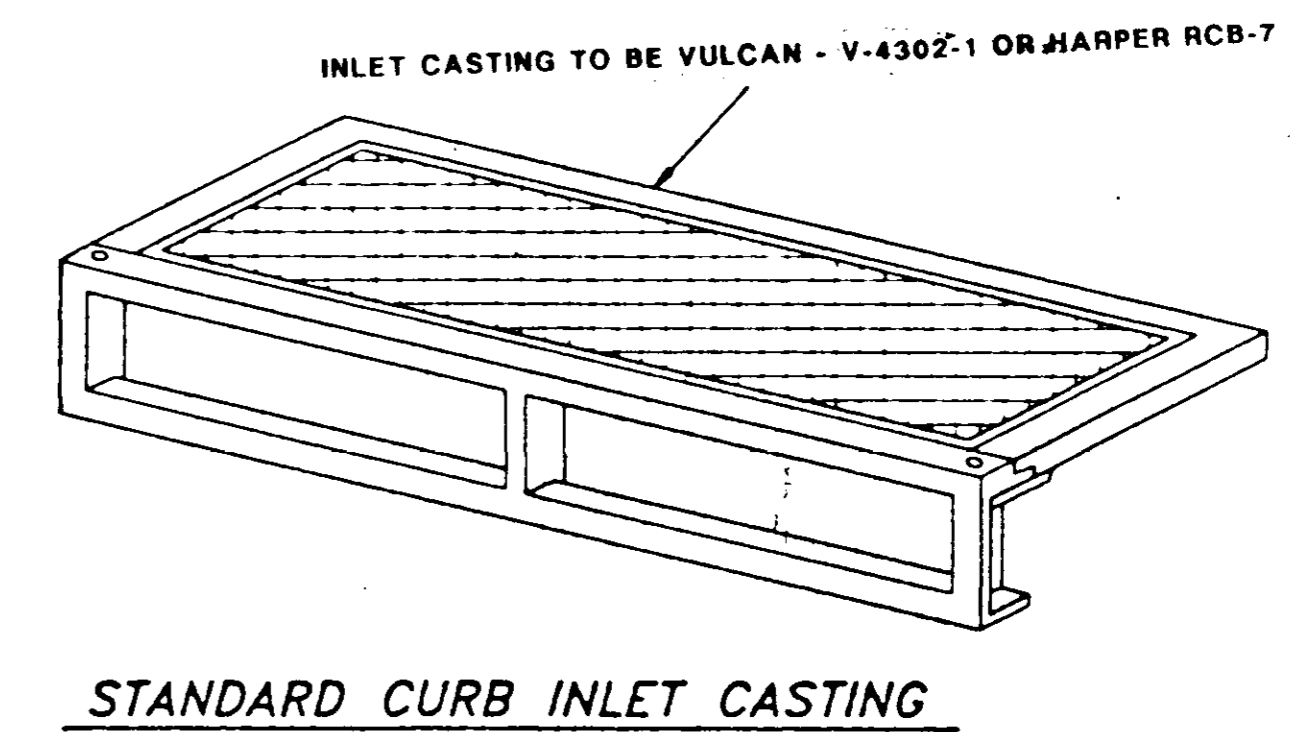
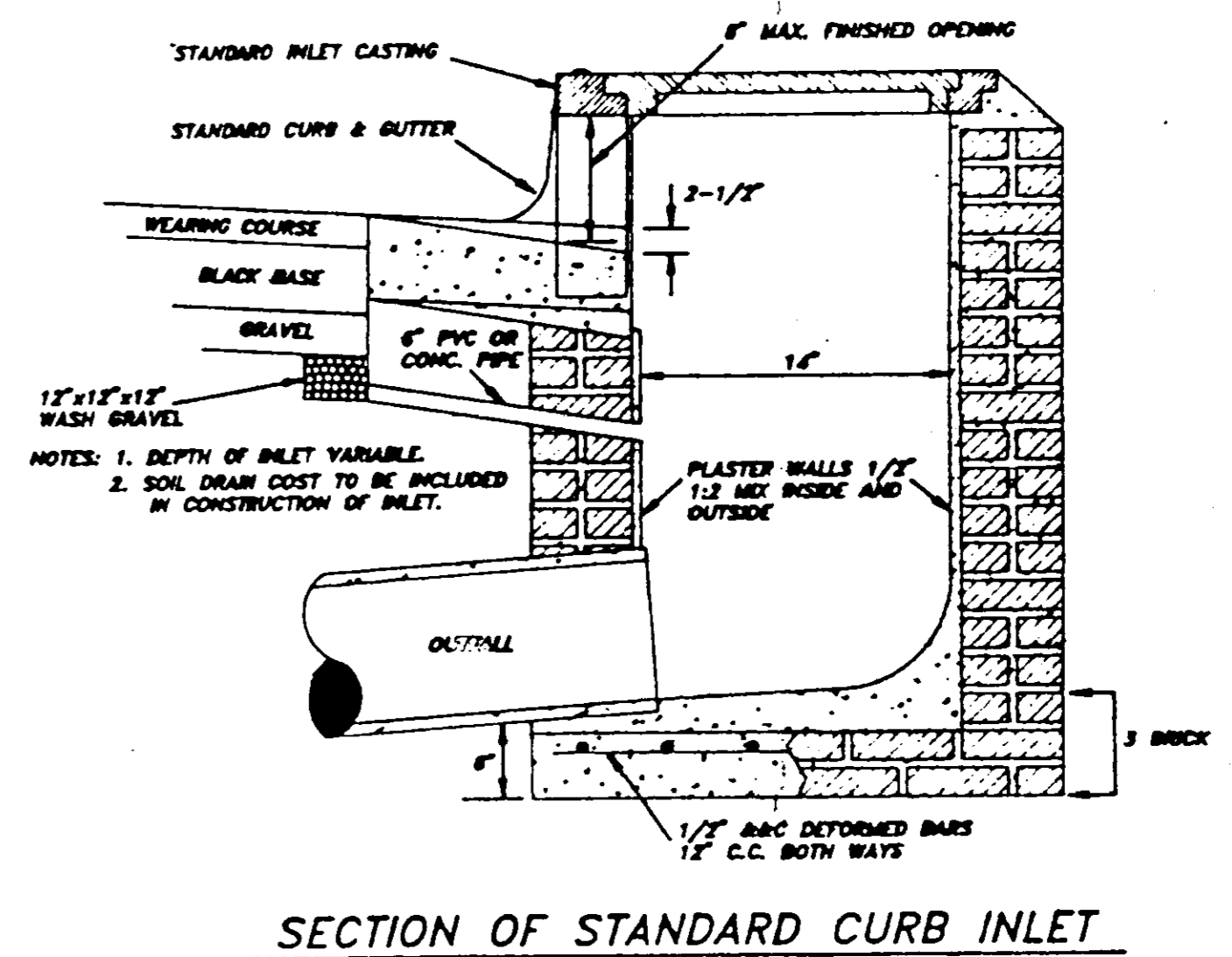
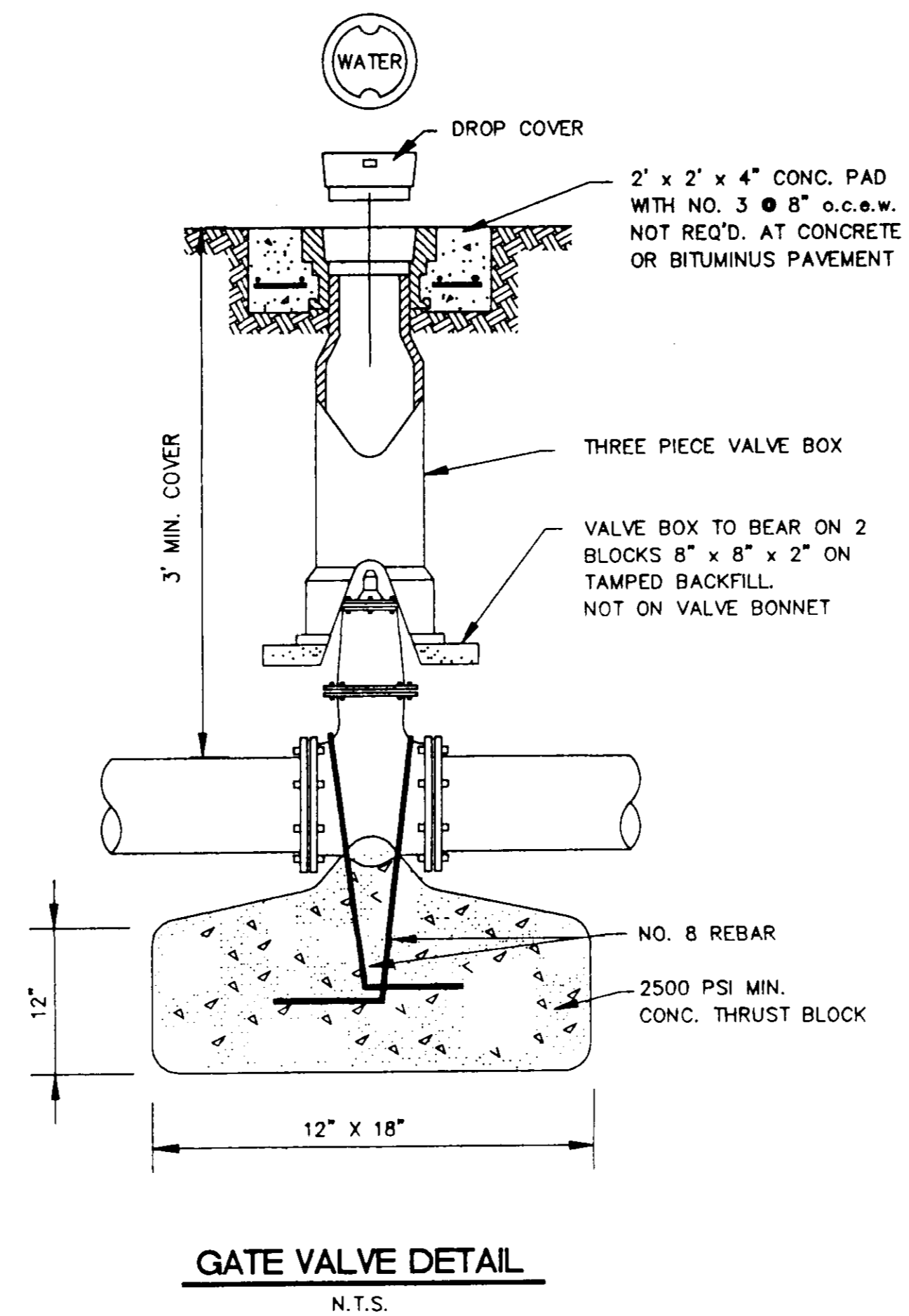
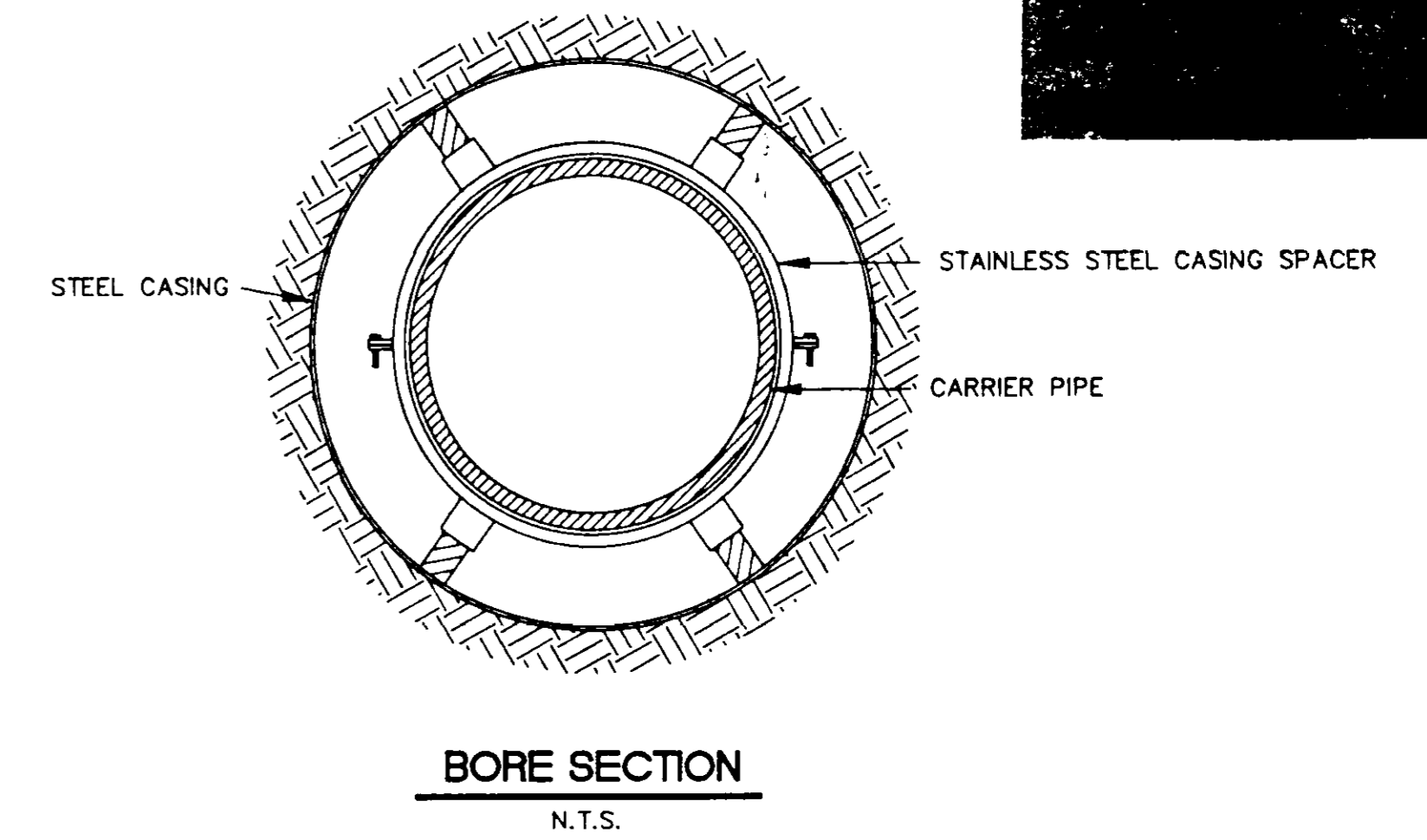
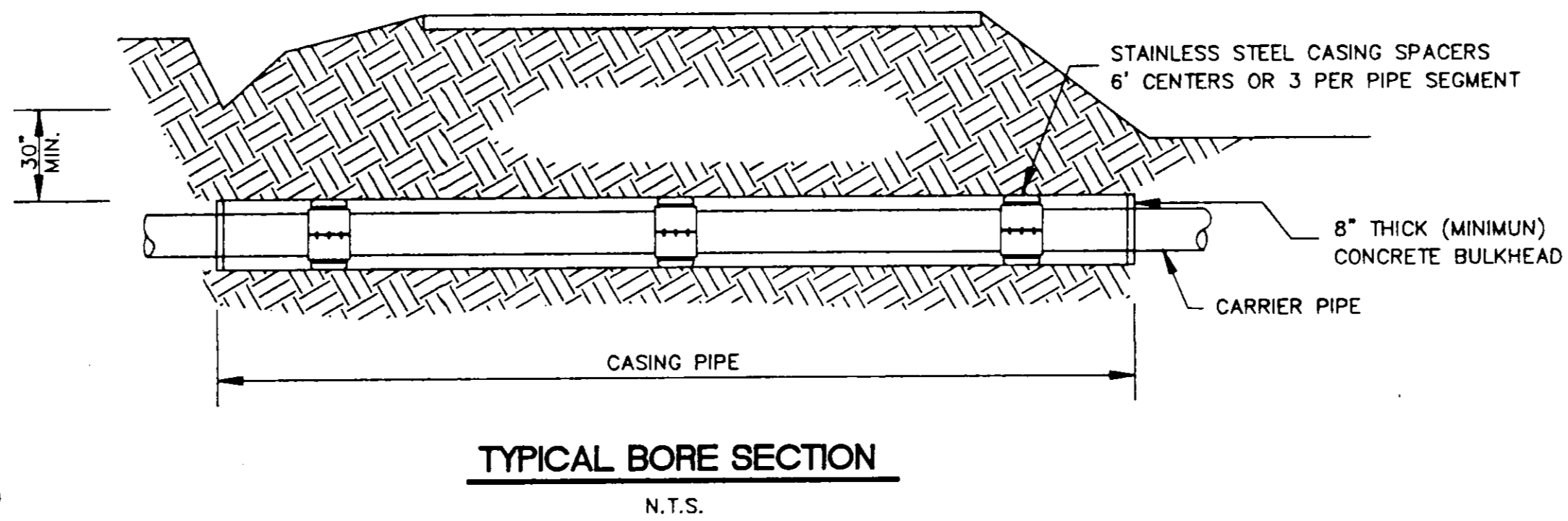
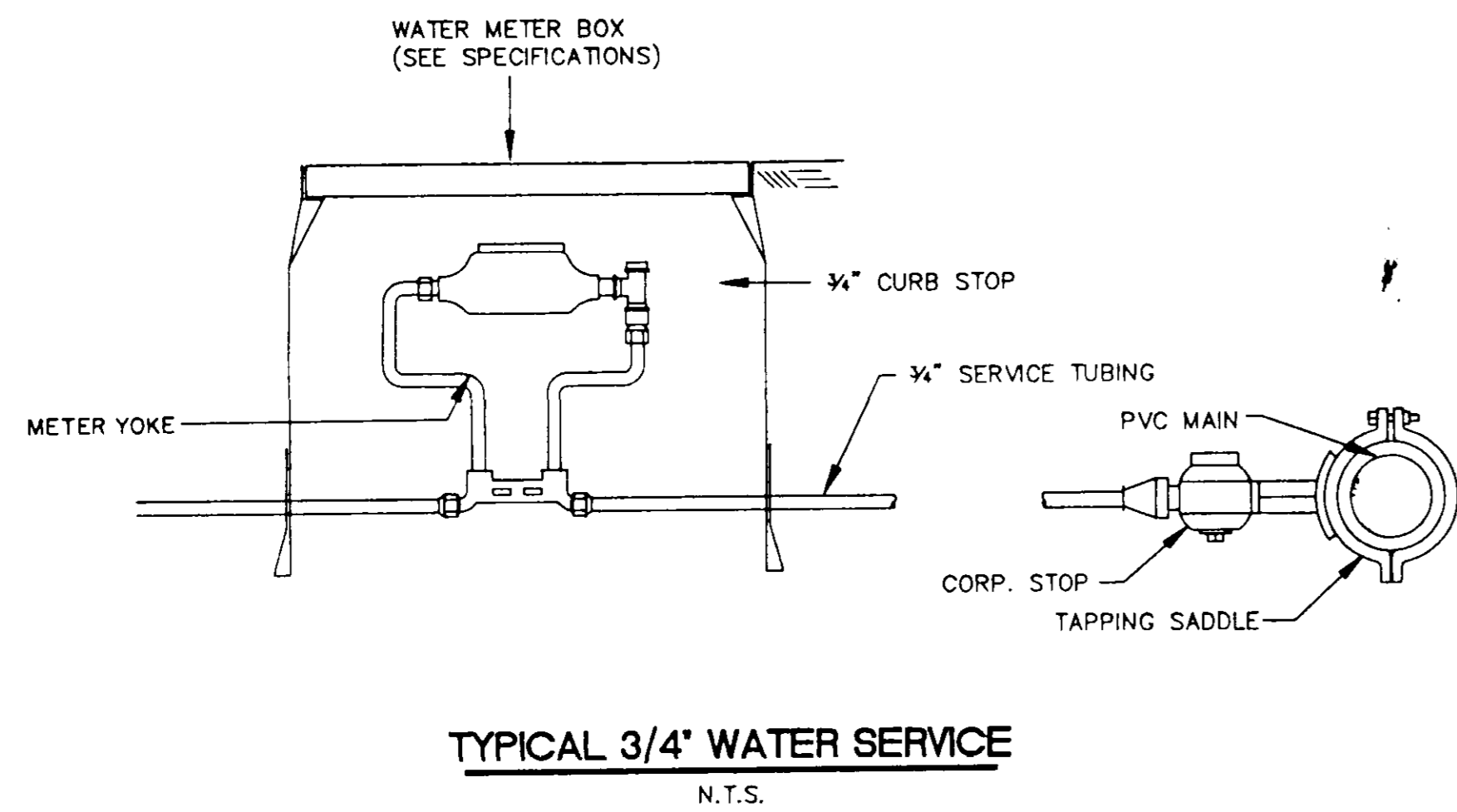
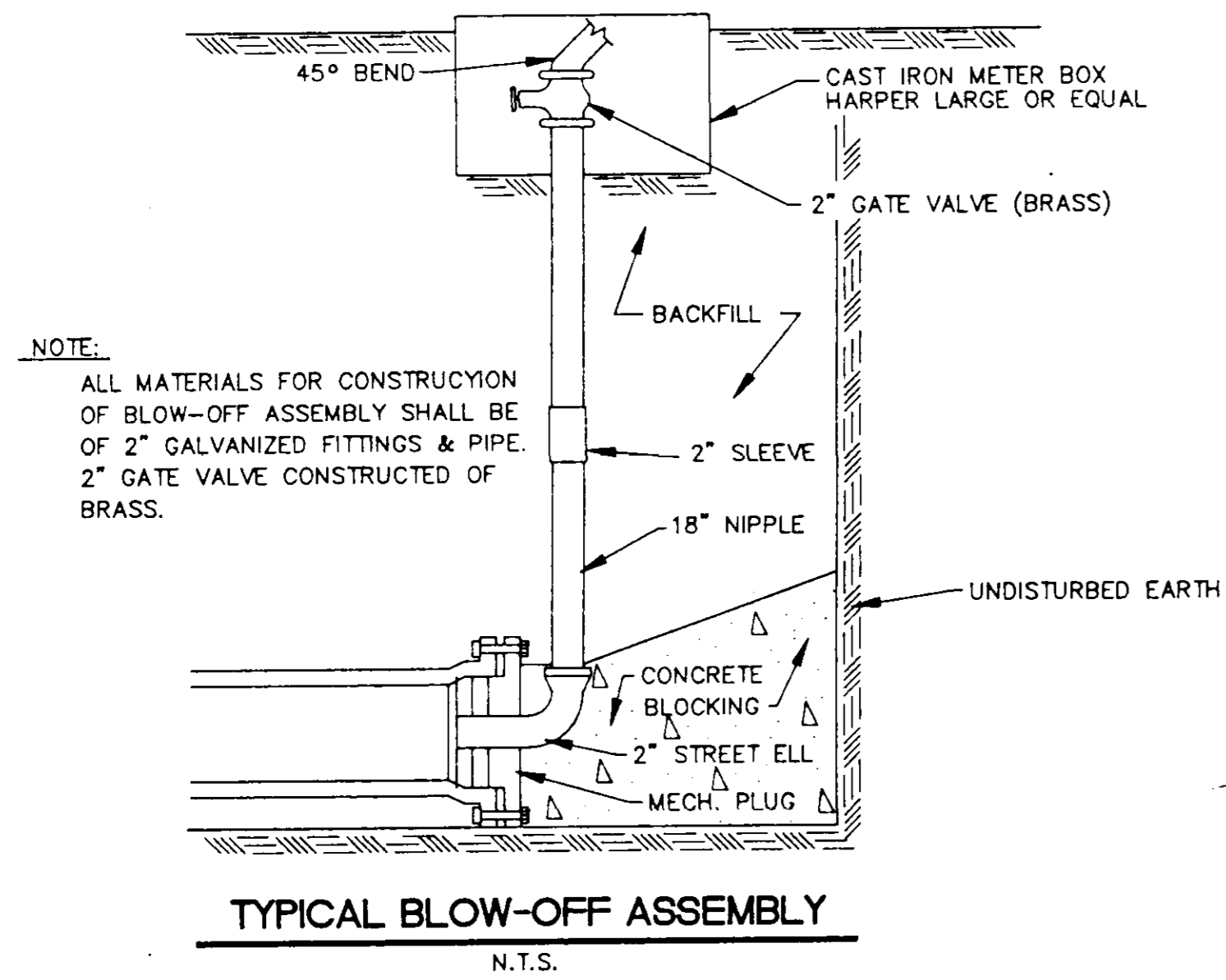


TYPICAL GRAVEL DRIVEWAY REPAIR



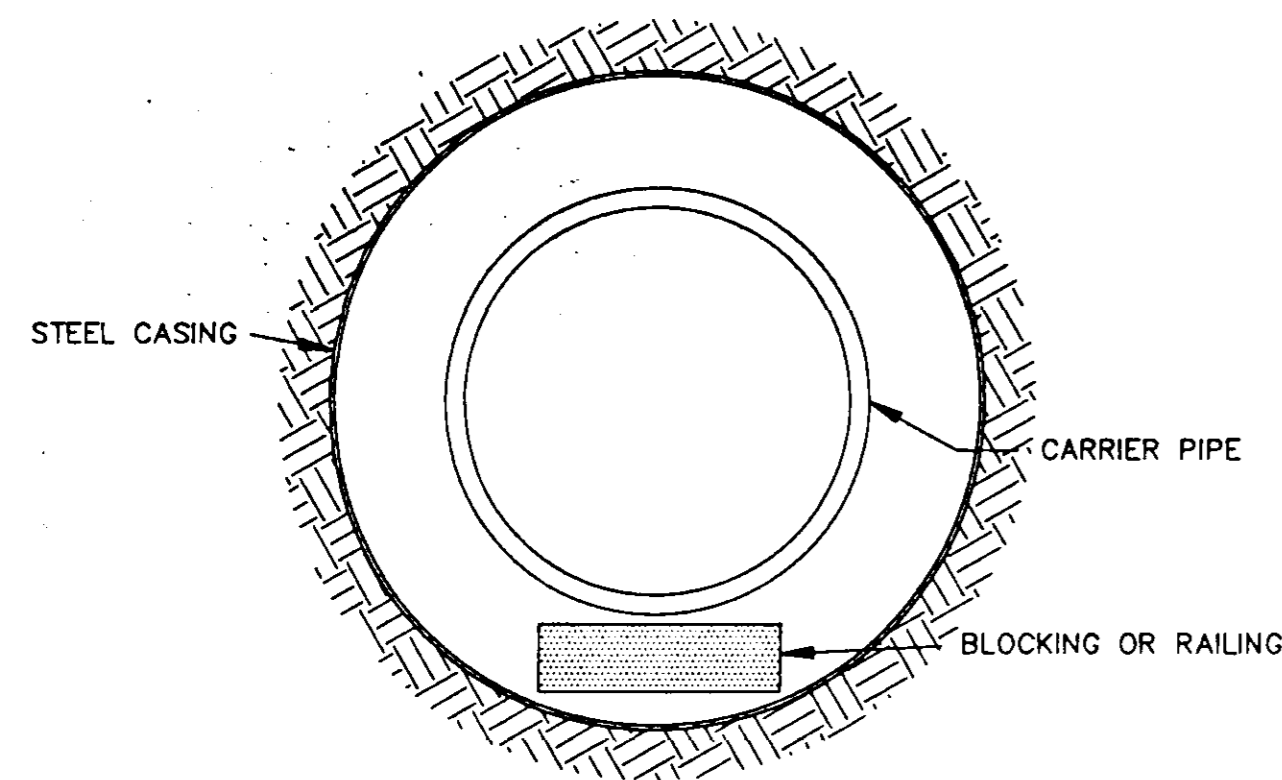
CHAIN LINK FENCE DETAIL
 N.T.S.

CITY OF RIDGELAND, MS.
STANDARD DETAILS

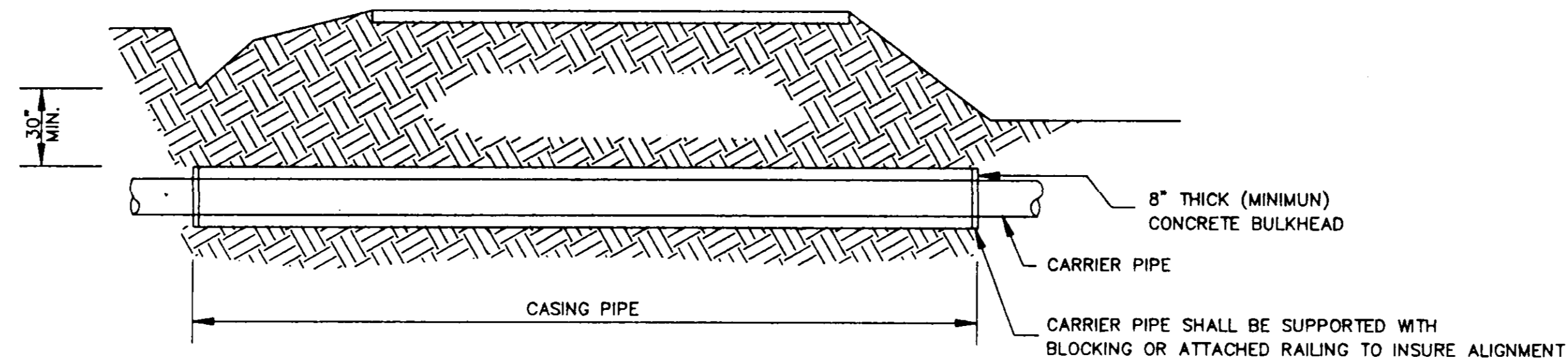


CITY OF RIDGELAND, MS.
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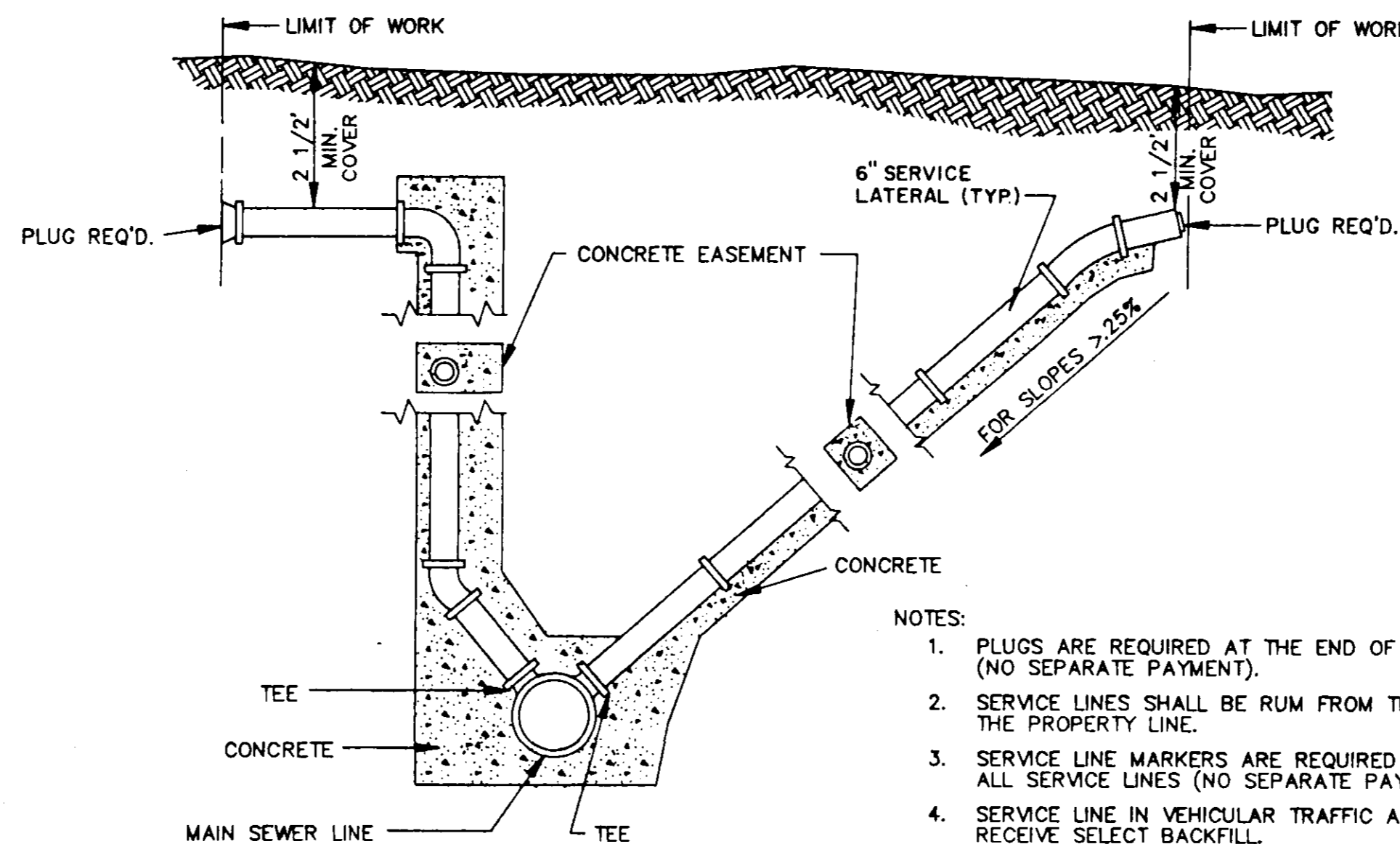
BORE SECTION
N.T.S.



TYPICAL BORE SECTION
N.T.S.

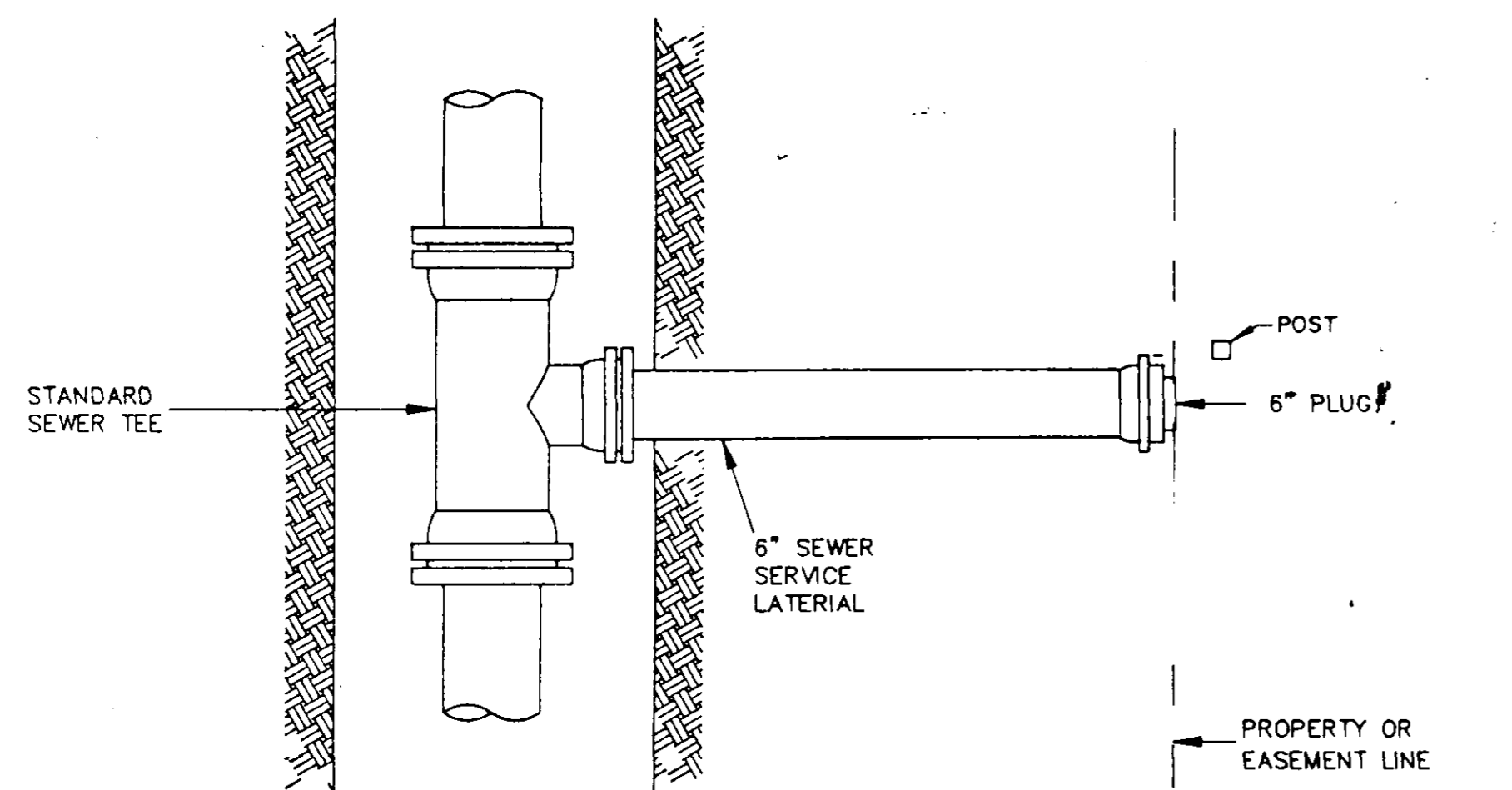
TABLE II GOVERNING DIMENSIONS FOR MANHOLES			
PIPE SIZE	Δ ANGLE	BASE DIAMETER **	"R" *
8" THRU 12"	0° TO 90°	4'	1'- 6"
15"	0° TO 60°	4'	1'- 10"
15"	60° TO 90°	4'	1'- 10"
18"	0° TO 60°	4'	2'- 3"
18"	60° TO 90°	4'	1'- 10"
21"	0° TO 60°	4'	2'- 7"
21"	60° TO 90°	5'	2'- 4"
24"	0° TO 45°	4'	3'- 0"
24"	45° TO 90°	5'	2'- 3"
30"	0° TO 60°	5'	3'- 9"
30"	60° TO 90°	6'	2'- 8"
36"	0° TO 60°	6'	4'- 6"
36"	60° TO 90°	7'	3'- 11"
42"	0° TO 60°	7'	5'- 3"
42"	60° TO 90°	8'	4'- 7"
48"	0° TO 60°	8'	6'- 0"
48"	60° TO 90°	9'	5'- 3"

* SEE SECTIONAL PLAN, STANDARD MANHOLE
** PRECAST MANHOLE

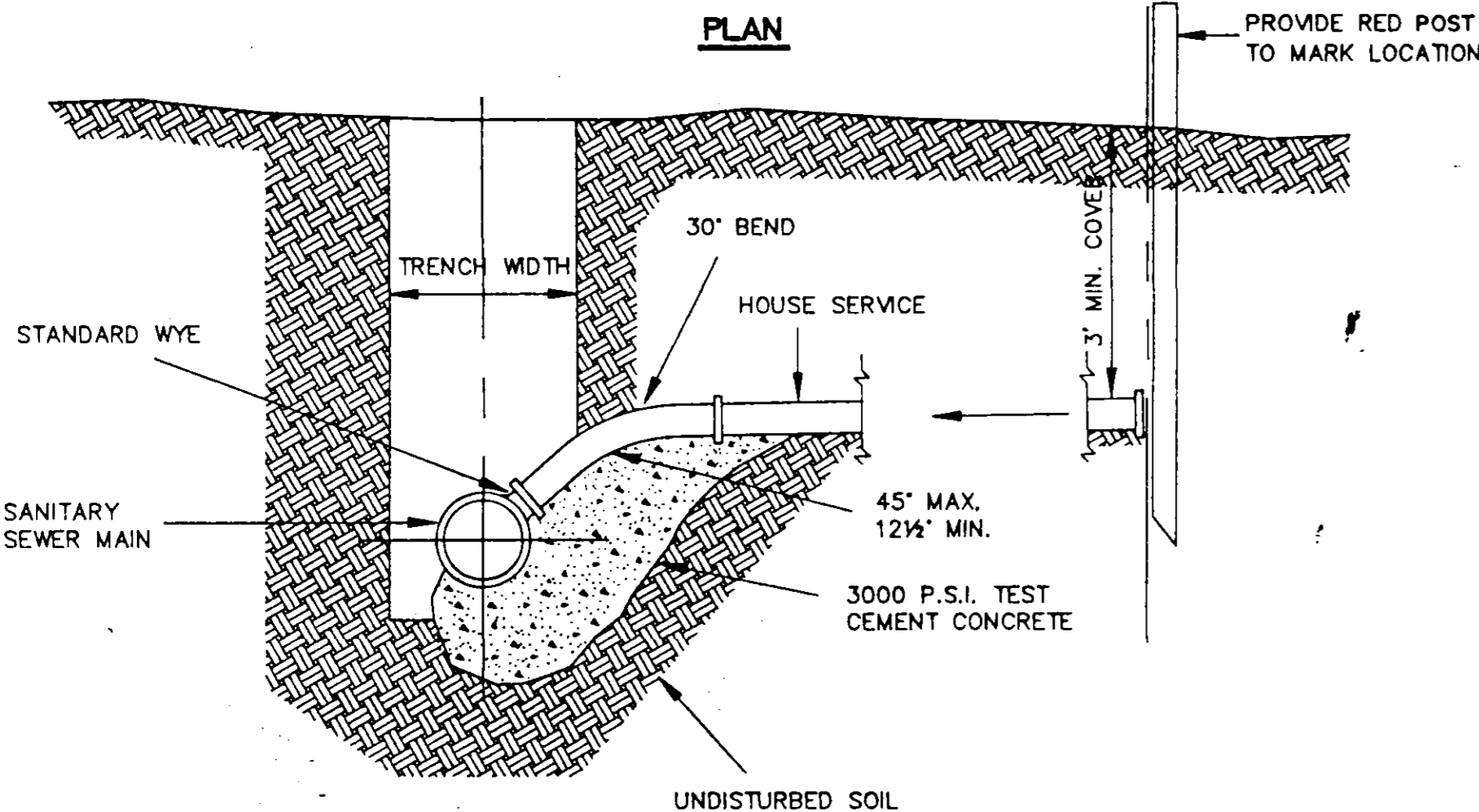


- NOTES:
1. PLUGS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 2. SERVICE LINES SHALL BE RUM FROM THE SEWER LINES TO THE PROPERTY LINE.
 3. SERVICE LINE MARKERS ARE REQUIRED AT THE END OF ALL SERVICE LINES (NO SEPARATE PAYMENT).
 4. SERVICE LINE IN VEHICULAR TRAFFIC AREA SHALL RECEIVE SELECT BACKFILL.
 5. WHEN MINIMUM COVER CAN NOT BE OBTAINED DUCTILE IRON PIPE SHALL BE USED.

SERVICE CONNECTION FOR DEEP SEWER
N.T.S.

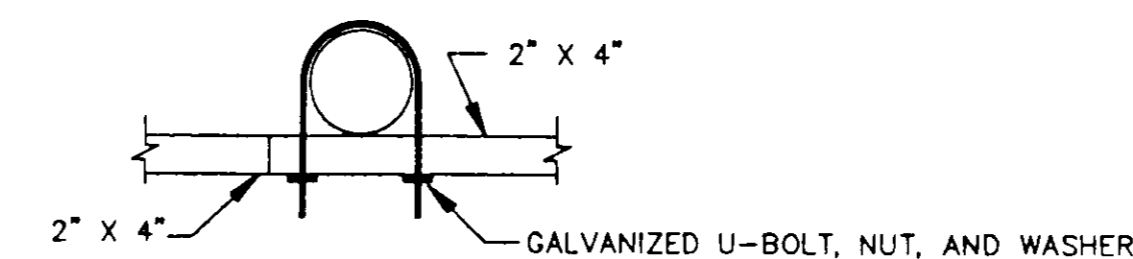


PLAN

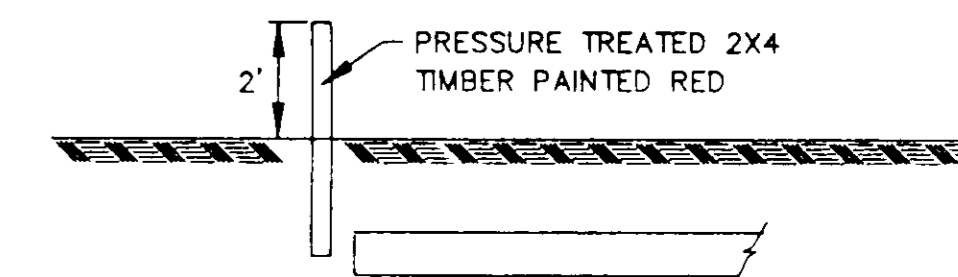


ELEVATION

SEWER SERVICE CONNECTION
N.T.S.

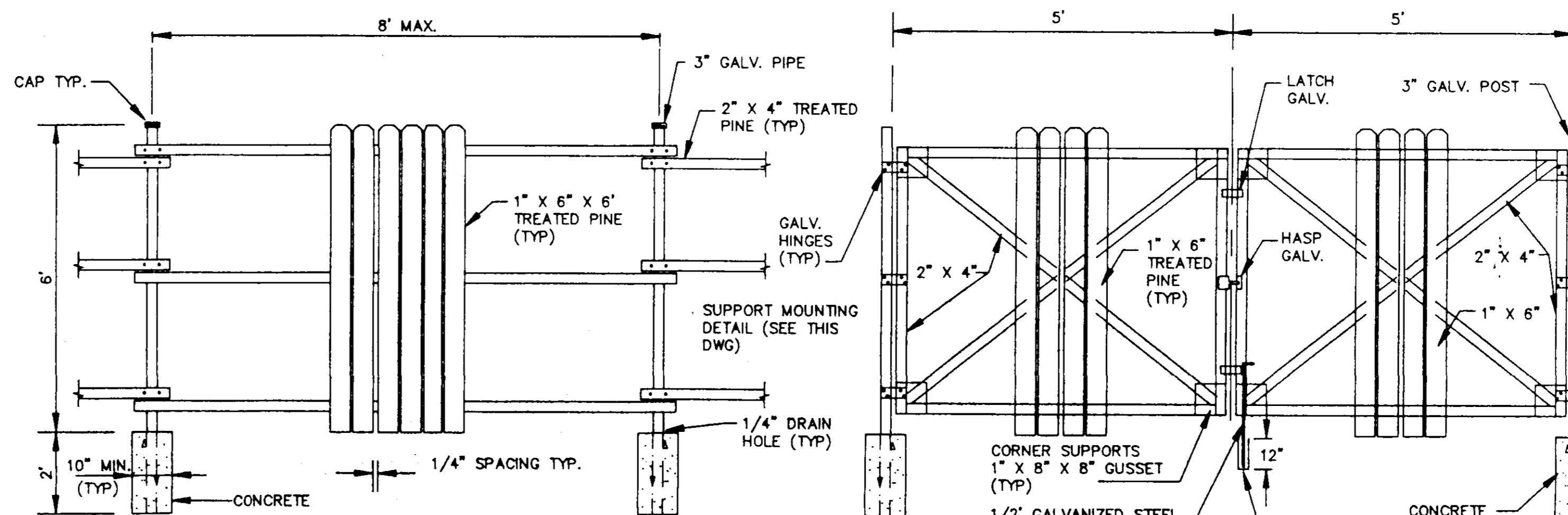


SUPPORT MOUNTING DETAIL
N.T.S.



SERVICE LINE MARKER
(NO SEPARATE PAYMENT)

N.T.S.



FENCE DETAIL
N.T.S.

GATE DETAIL
N.T.S.

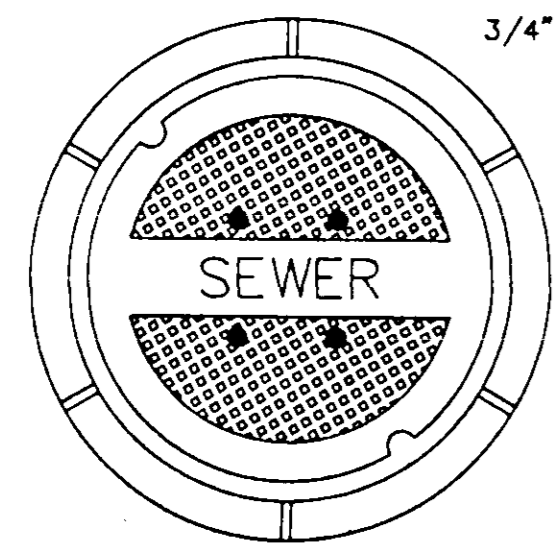
CITY OF RIDGELAND, MS.

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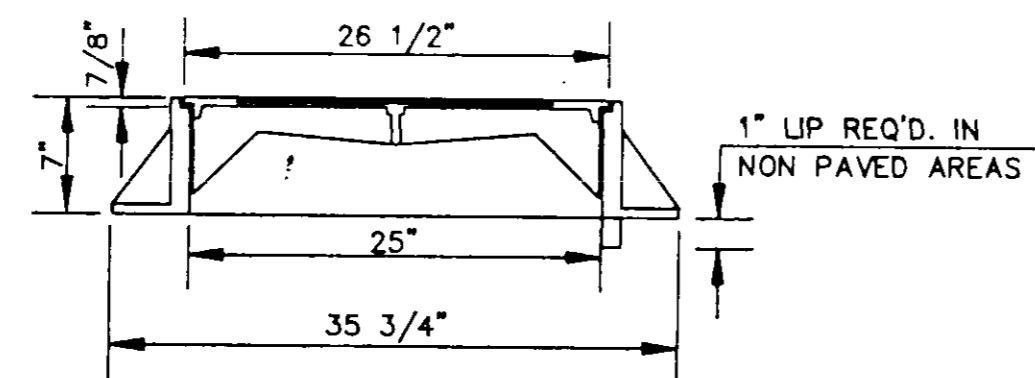


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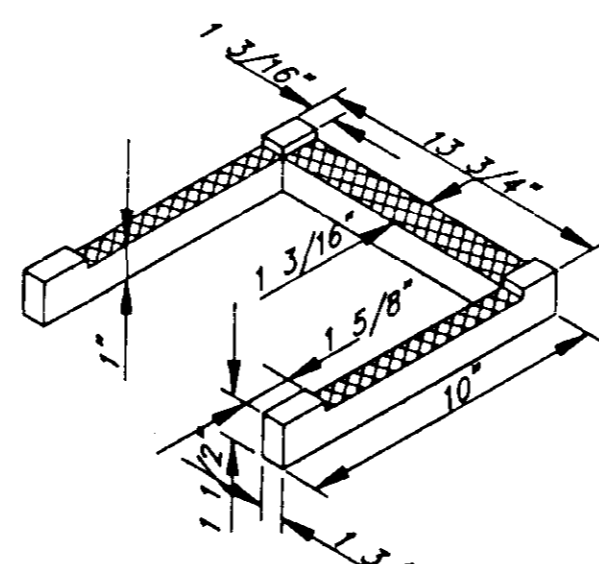


TOP PLAN OF COVER

FRAME & COVER WEIGHT 420 LBS.



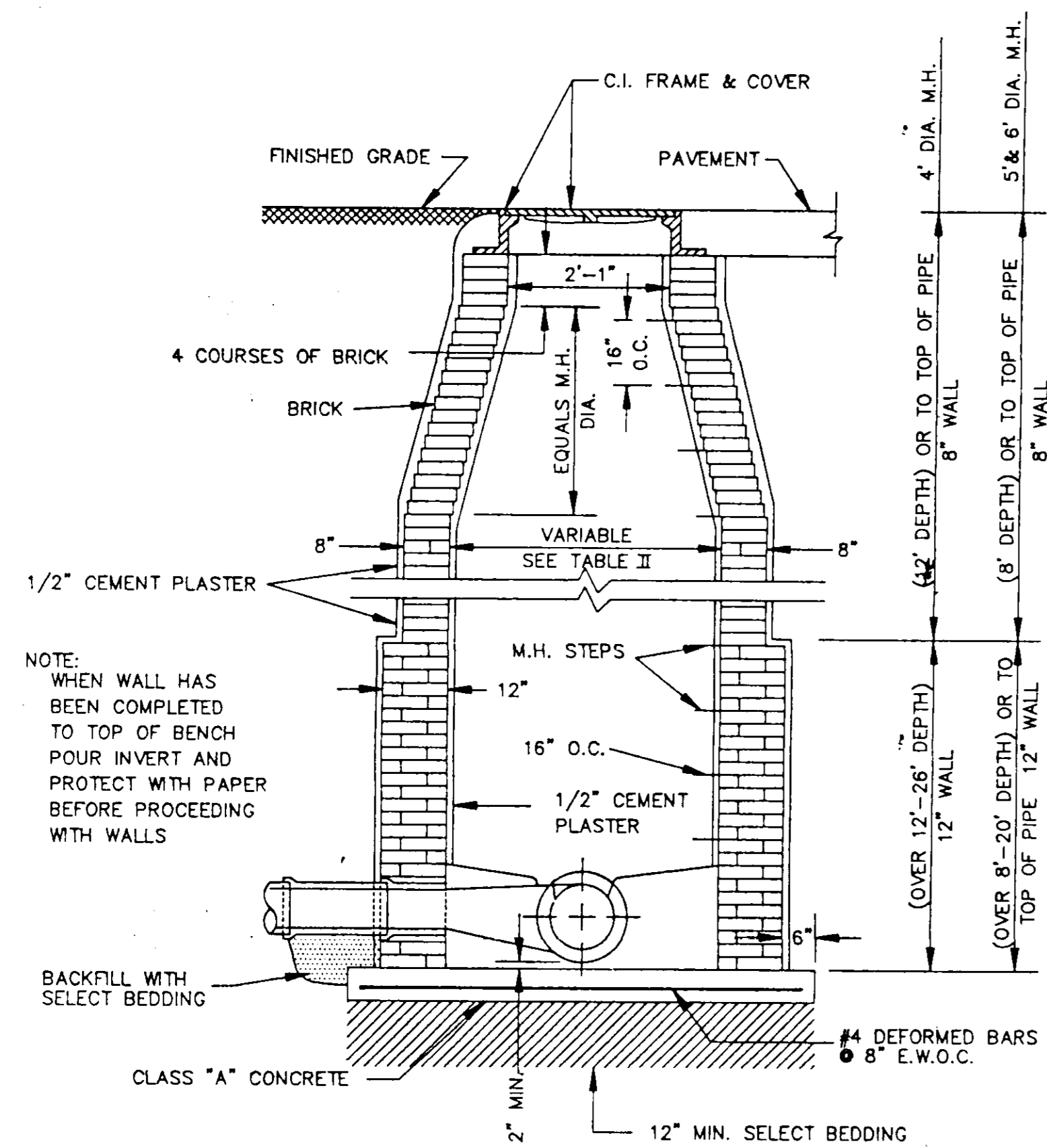
SECTION



DETAIL 'B'

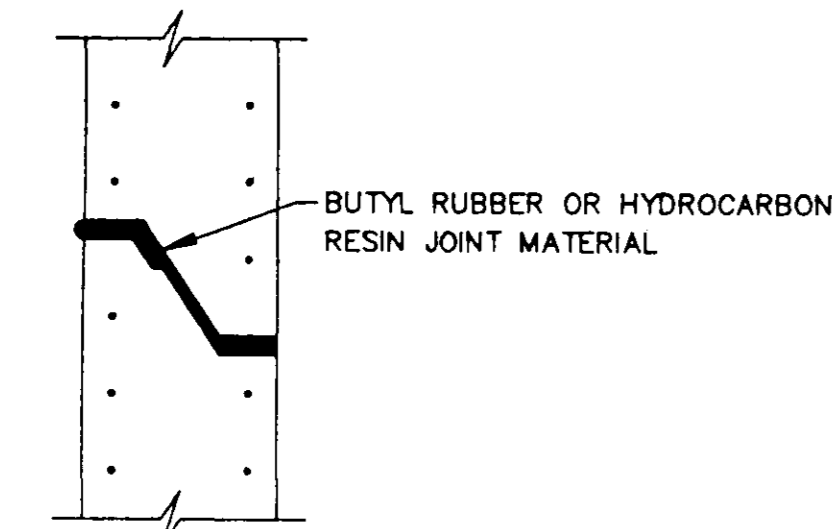
STANDARD MANHOLE FRAME AND COVER

N.T.S.



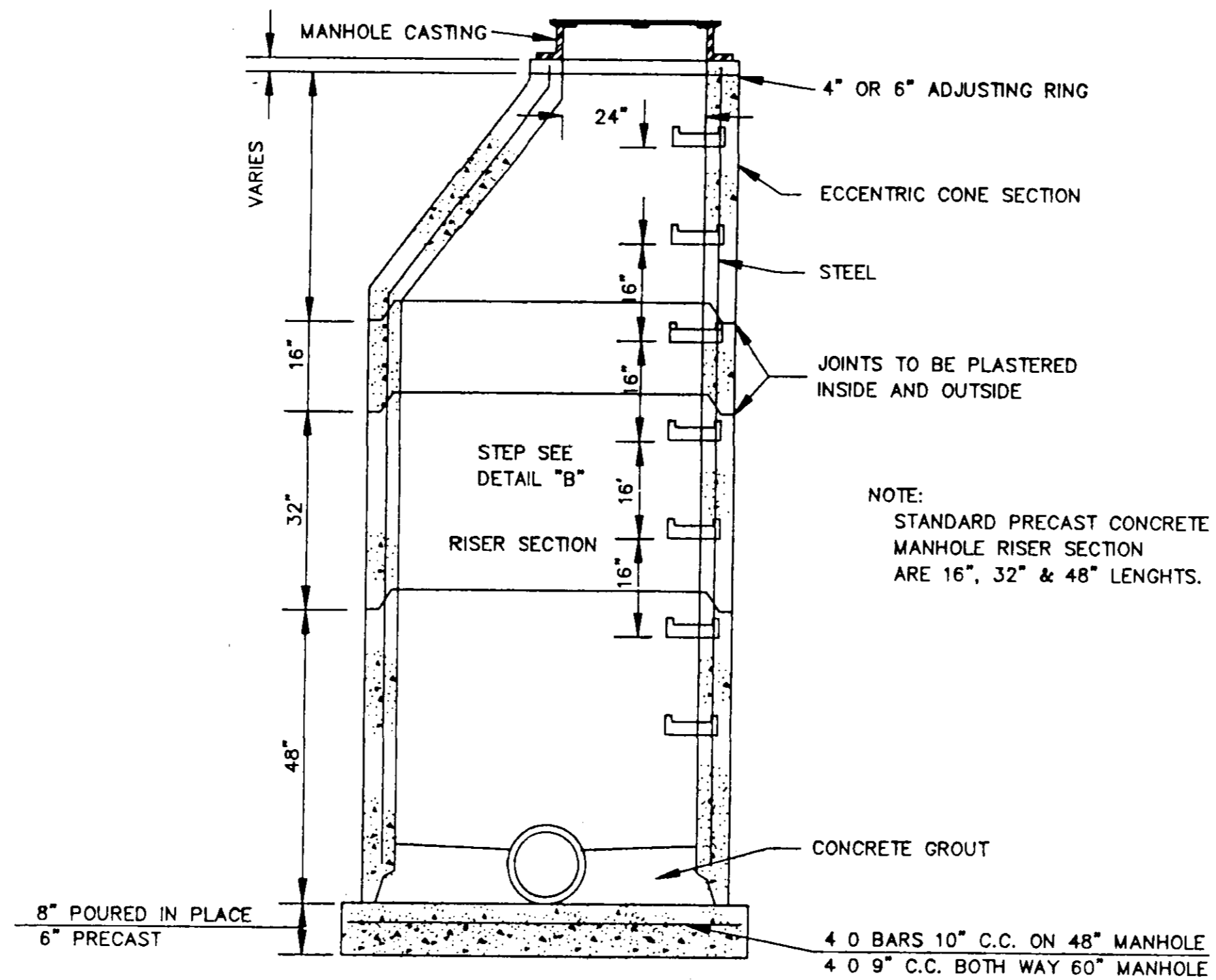
STANDARD BRICK MANHOLE

N.T.S.



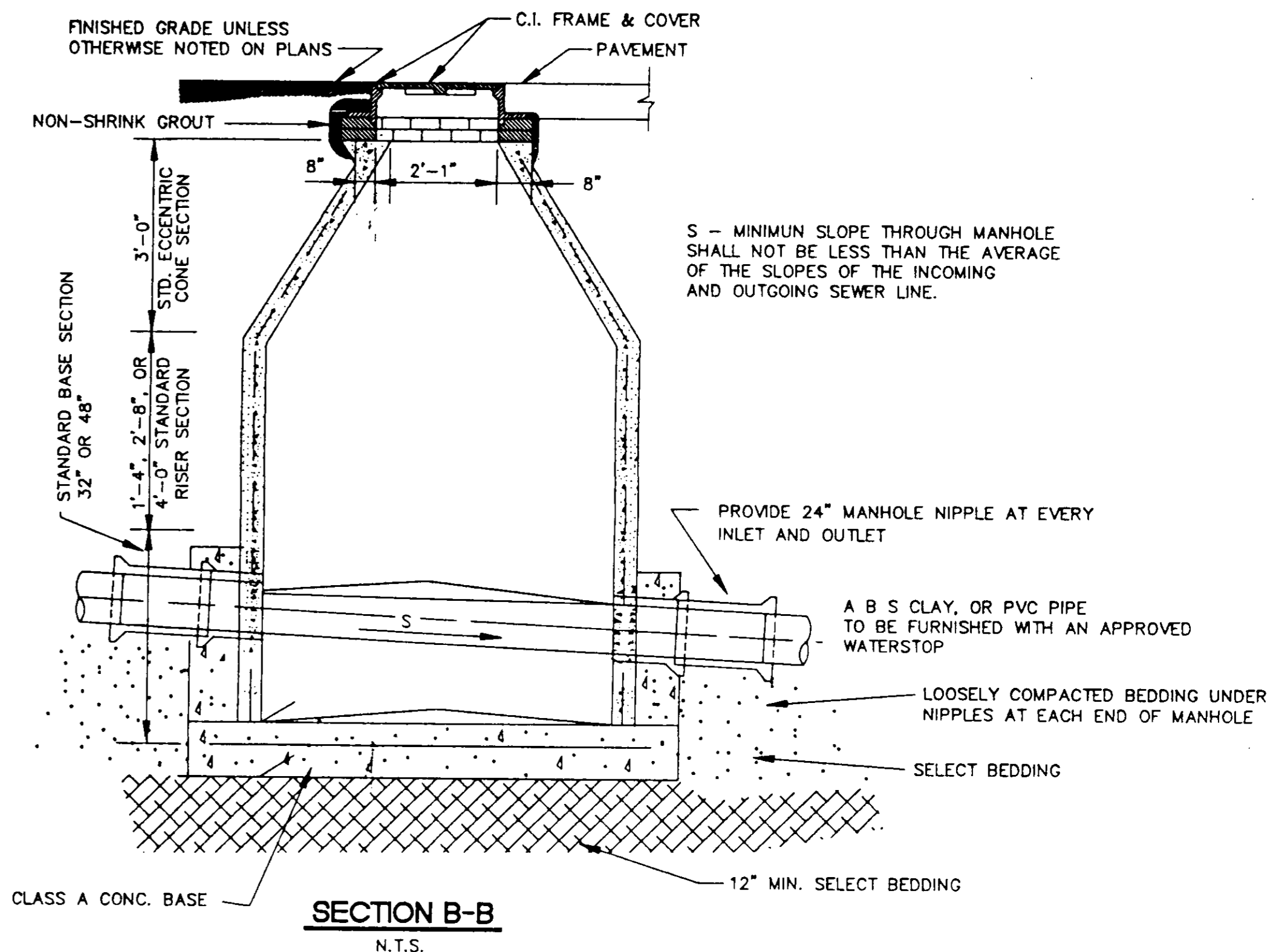
TYPICAL PRECAST CONCRETE MANHOLE JOINT DETAIL

N.T.S.



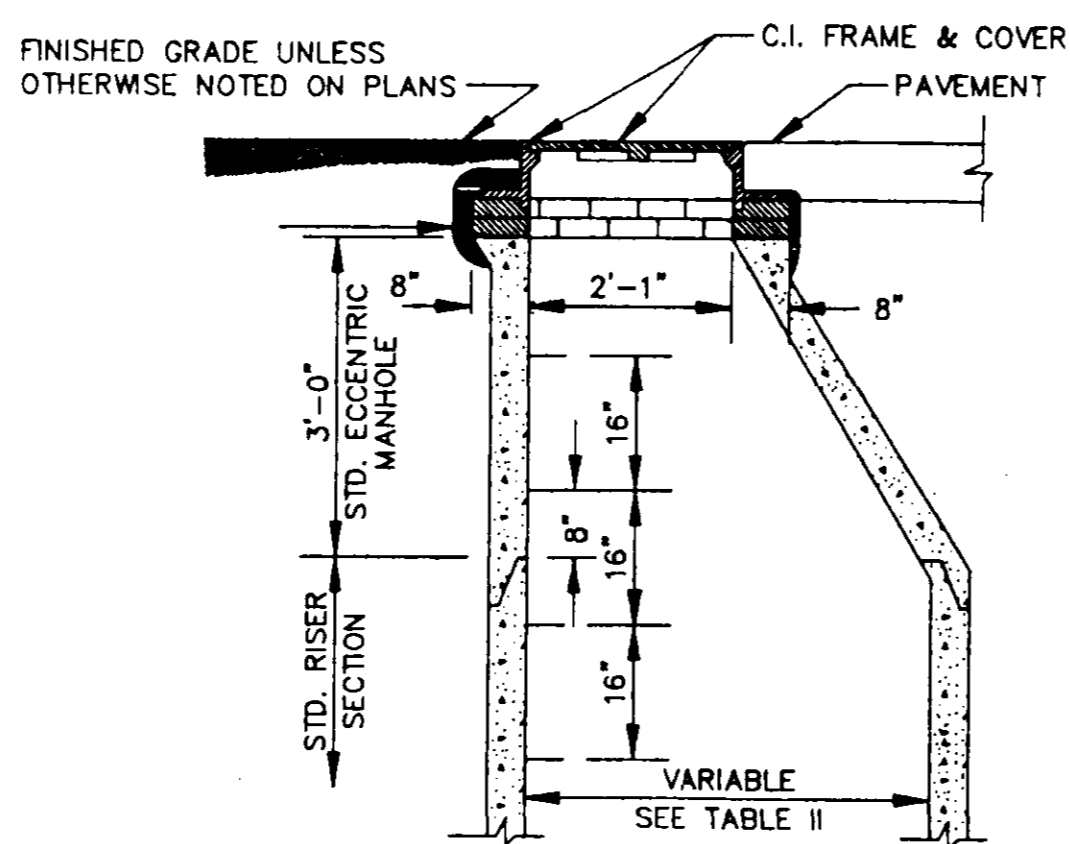
SECTION OF PRECAST CONCRETE MANHOLE

N.T.S.



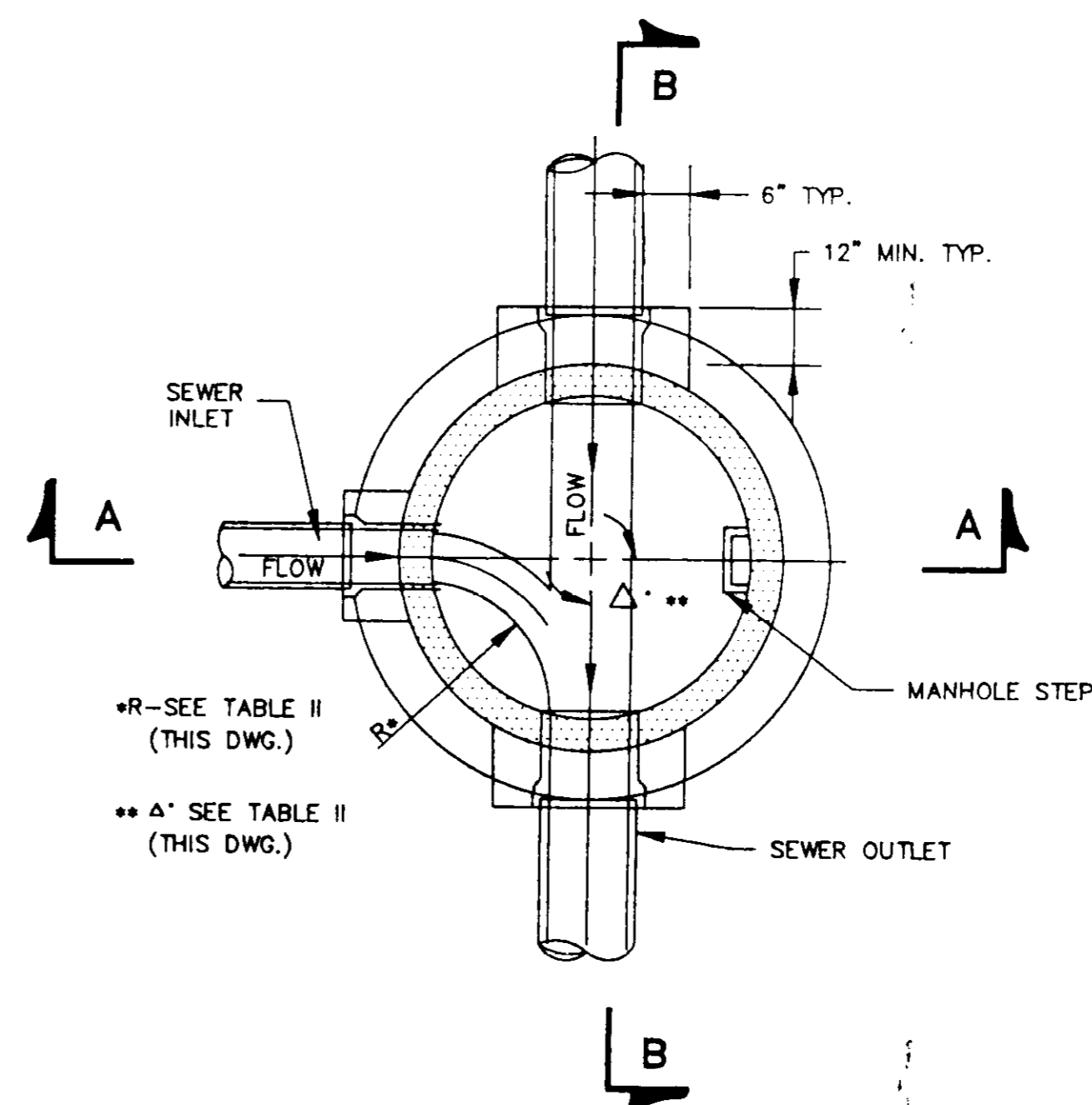
SECTION B-B

N.T.S.



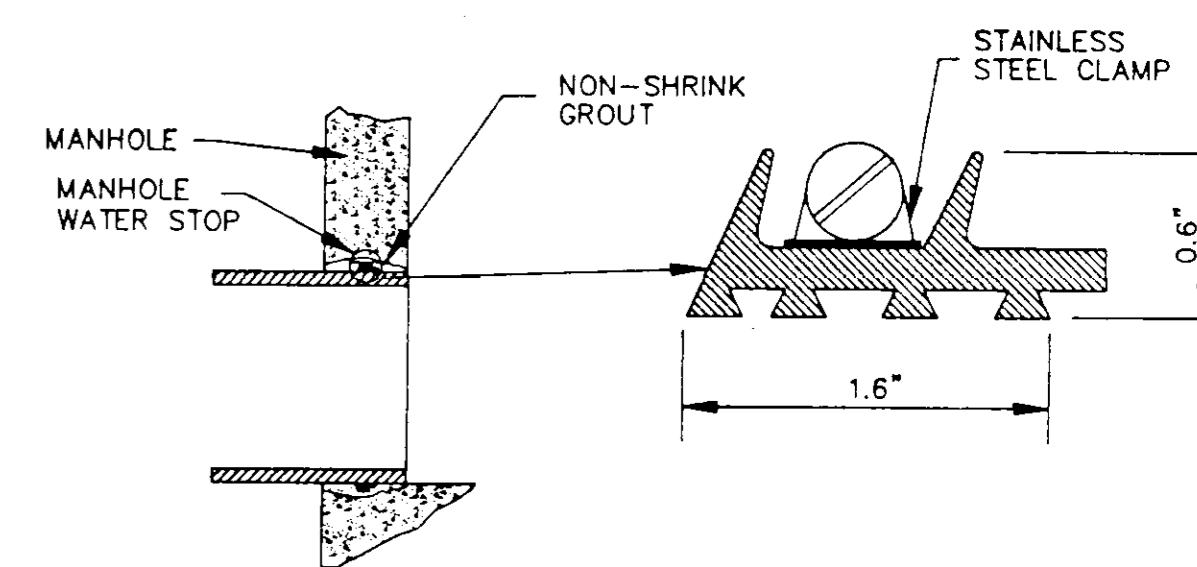
STANDARD ECCENTRIC CONE FOR ALL DIAMETER MANHOLES

N.T.S.



SECTIONAL PLAN STANDARD MANHOLE

N.T.S.



TYPICAL MANHOLE WATER STOP FOR ABS, CLAY OR PVC PIPE

EXISTING AND "STRADDLE" MANHOLES N.T.S.

CITY OF RIDGELAND, MS.

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