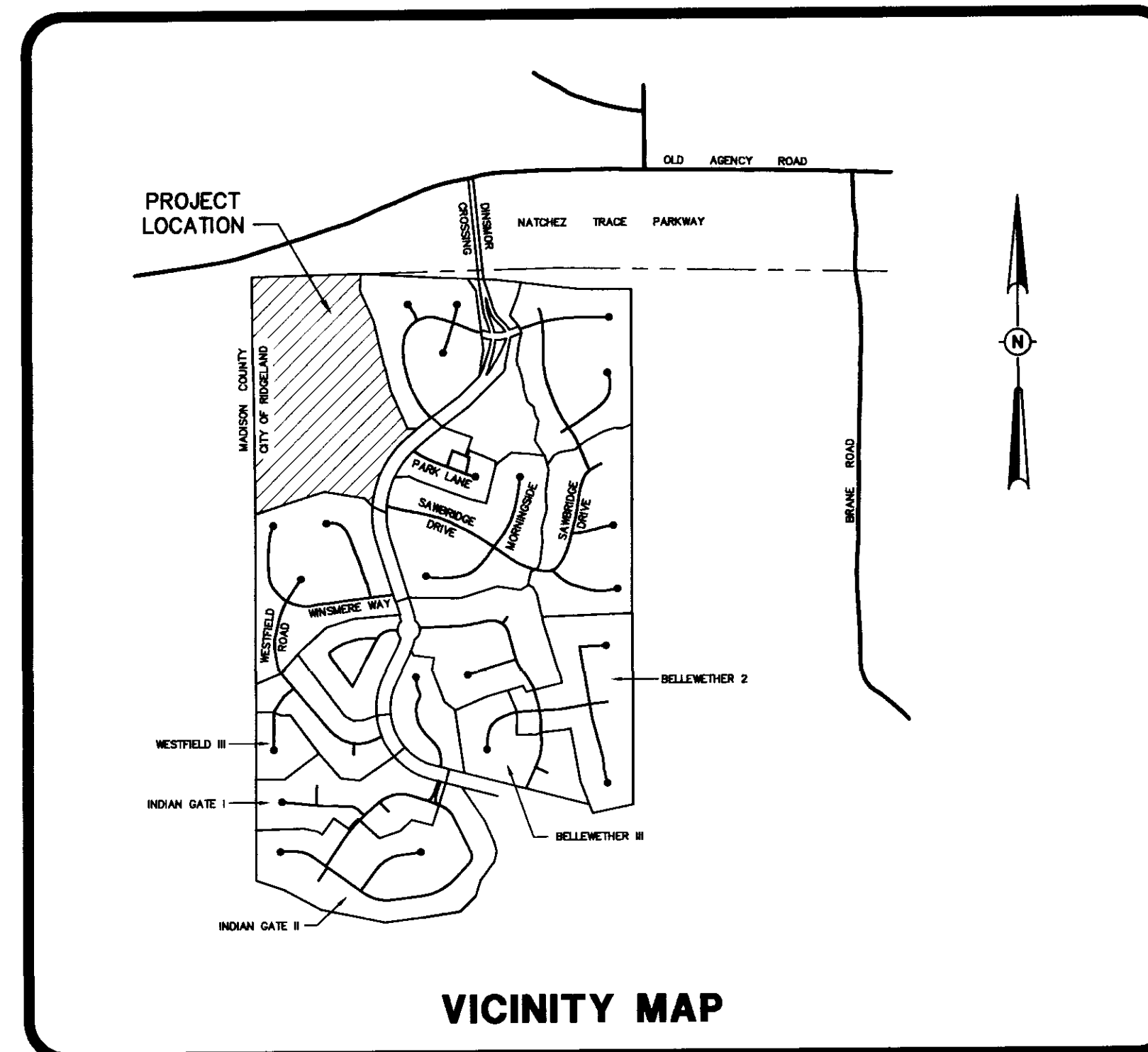


RECORD DRAWINGS FOR PHASE 15 OF DINSMOR



Silas Meadow

DRAWING INDEX

- 1 - COVER SHEET
- 2 - GEOMETRIC LAYOUT
- 3 - DRAINAGE AND GRADING LAYOUT
- 4 - AS-BUILT SEWER AND WATER LAYOUT
- 5 - PLAN AND PROFILE - VALLEY ROAD (STA. 1+13.34 TO STA. 11+00.00)
- 6 - PLAN AND PROFILE - VALLEY ROAD (STA. 11+00.00 TO STA. 19+42.63)
- 7 - PLAN AND PROFILE - OLD MILL CUT AND JEFFERSON RIDGE
- 8 - PLAN AND PROFILE - SILAS' TRACE AND AGENCY BURN
- 9 - PLAN AND PROFILE - SANITARY SEWER LINE "A"
- 10 - PLAN AND PROFILE - DRAINAGE LINE "A"
- 11 - PLAN AND PROFILE - DRAINAGE LINES "B" "C" AND "D"
- 12 - STANDARD STORM SEWER DETAILS
- 13 - STANDARD SANITARY SEWER DETAILS
- 14 - STANDARD WATER DETAILS



00421

DRAWING NO. 15-CVR

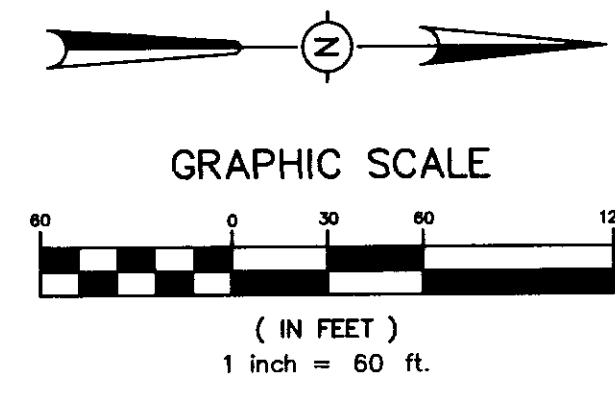
H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

DEVELOPER
S.M.C.D.C., INC. GENERAL PARTNERSHIP
607 HIGHLAND COLONY PARKWAY, SUITE 200
RIDGELAND, MISSISSIPPI 39157

LOCATION
SITUATED IN THE
SOUTH 1/2 OF THE SOUTHEAST 1/4 OF SECTION 23 AND
THE WEST 1/2 OF THE NORTHEAST 1/4 OF SECTION 26
TOWNSHIP 7 NORTH - RANGE 1 EAST
MADISON COUNTY, MISSISSIPPI

DATE	REVISION	BY	DRAWN BY: P.H.W.	SHEET
10/15/96	RECORD DRAWING			
			DATE: 9/1/95	
			SCALE:	
			BOOK: 25	
			PAGE:	
			PROJECT NO.: 94-034	

PWP-00421



CENTERLINE INTERSECTIONS

- (1) STA. 4+10.17 VALLEY ROAD = STA. 0+00.00 OLD MILL CUT
- (2) STA. 8+87.85 VALLEY ROAD = STA. 0+00.00 SILAS TRACE
- (3) STA. 12+20.87 VALLEY ROAD = STA. 5+23.65 OLD MILL CUT
- (4) STA. 0+40.42 OLD MILL CUT = STA. 0+00.00 JEFFERSON RIDGE
- (5) STA. 0+48.87 SILAS TRACE = STA. 0+00.00 AGENCY BURN

⊙ Δ = 46°19'16"
R = 698.19'
D = 8.20639'

⊙ S27°05'06"W - 549.21'
(CHORD)
DINSMOR CROSSING

S89°04'29"E - 68.32'

S50°39'54"W - 84.57'

CENTERLINE CURVE DATA

A Δ = 09°40'42" R = 300.00' D = 19.09859' T = 25.40' L = 50.66'	B Δ = 65°32'00" R = 230.04' D = 23.33270' T = 40.82' L = 280.87'	C Δ = 20°01'44" R = 230.04' D = 24.90688' T = 40.82' L = 80.41'	D Δ = 28°32'34" R = 65.00' D = 68.14735' T = 16.53' L = 32.38'
E Δ = 38°27'00" R = 50.00' D = 114.59156' T = 17.44' L = 33.55'	F Δ = 30°18'58" R = 224.98' D = 25.47838' T = 60.92' L = 118.99'	G Δ = 58°32'41" R = 150.00' D = 38.19179' T = 84.08' L = 153.27'	H Δ = 88°56'06" R = 178.28' D = 32.13808' T = 175.00' L = 276.73'
I Δ = 144°09'43" R = 95.00' D = 60.31135' T = 293.79' L = 239.03'	J Δ = 56°24'15" R = 201.98' D = 28.36706' T = 108.31' L = 198.84'	K Δ = 45°46'14" R = 122.70' D = 46.69583' T = 51.79' L = 98.02'	L Δ = 29°05'35" R = 409.02' D = 14.00806' T = 106.13' L = 207.69'
M Δ = 47°51'53" R = 50.00' D = 114.59156' T = 22.19' L = 41.77'	N Δ = 61°14'22" R = 325.00' D = 17.62047' T = 192.36' L = 347.37'		

- NOTES:**
- 1. DIMENSIONS ALONG CURVES ARE CHORD DISTANCES.
 - 2. AREA = 33.074 ACRES (MORE OR LESS)

H D LANG AND ASSOCIATES, INC.

POST OFFICE BOX 16085

JACKSON, MISSISSIPPI 39236

601-362-4886

PROJECT

PHASE 15 OF DINSMOR

DESCRIPTION

GEOMETRIC LAYOUT

DATE

10/17/95

REVISION

REVISE LAYOUT

ADD PRIVATE ROAD

RECORD DRAWING

BY

P.W.

P.W.

D.L.M.

DRAWN BY: P.H.W.

DATE: 9/14/95

SCALE: 1"=60'

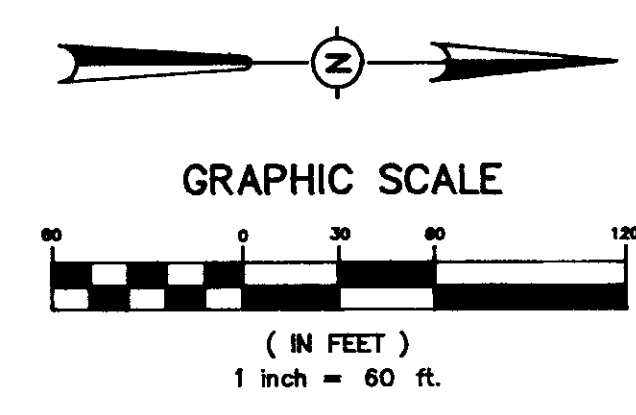
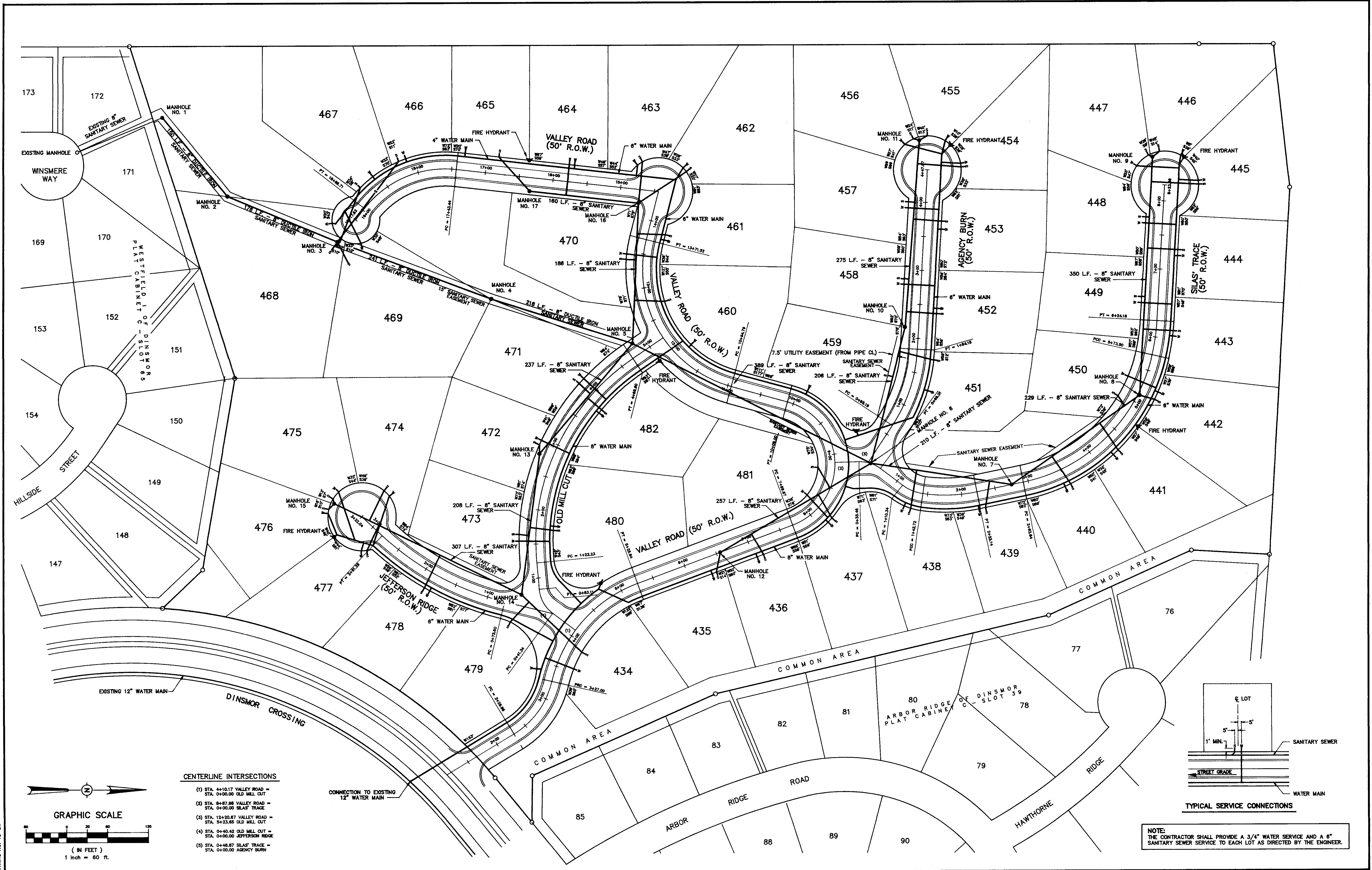
BOOK: 725 PAGE:

PROJECT NO.: 91-034

SHEET

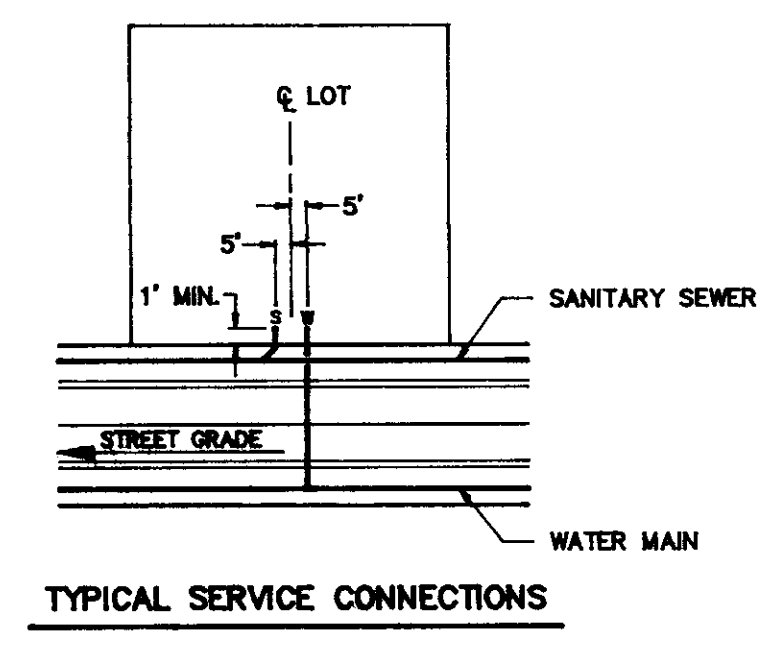
2

DRAWING NO. 15-REC



CENTERLINE INTERSECTIONS

- (1) STA. 44+10.17 VALLEY ROAD = STA. 0+00.00 OLD MILL CUT
- (2) STA. 84+87.86 VALLEY ROAD = STA. 0+00.00 SILAS TRACE
- (3) STA. 12+20.87 VALLEY ROAD = STA. 5+23.85 OLD MILL CUT
- (4) STA. 0+40.42 OLD MILL CUT = STA. 0+00.00 JEFFERSON RIDGE
- (5) STA. 0+48.87 SILAS TRACE = STA. 0+00.00 AGENCY BURN



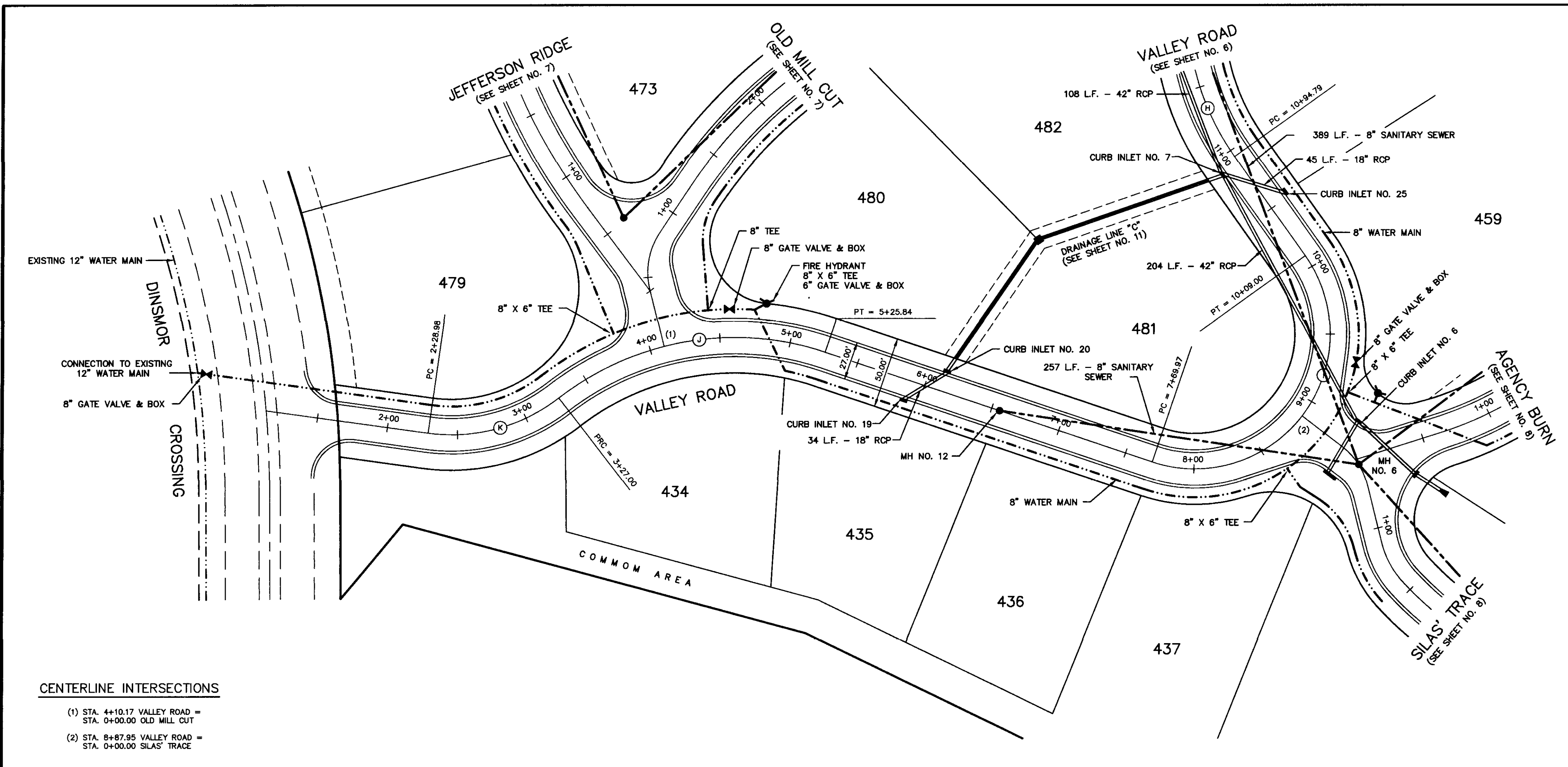
NOTE:
THE CONTRACTOR SHALL PROVIDE A 3/4" WATER SERVICE AND A 6" SANITARY SEWER SERVICE TO EACH LOT AS DIRECTED BY THE ENGINEER.

DRAWING NO. 15-SW

H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

PROJECT: PHASE 15 OF DINSMOR
DESCRIPTION: AS-BUILT SEWER AND WATER LAYOUT

DATE	REVISION	BY	DRAWN BY: P.H.W.	SHEET
11/21/95	REVISE LAYOUT	P.W.	DATE: 9/14/95	4
10/15/96	RECORD DRAWING	D.L.M.	SCALE: 1"=60'	
			BOOK: 725 PAGE: PROJECT NO.: 91-034	



CENTERLINE INTERSECTIONS

(1) STA. 4+10.17 VALLEY ROAD = STA. 0+00.00 OLD MILL CUT

(2) STA. 8+87.95 VALLEY ROAD = STA. 0+00.00 SILAS TRACE

DRAINAGE STRUCTURE SCHEDULE

CURB INLET NO. 7 (VALLEY ROAD) 13.5' LT. OF STA. 10+89.39 D.A. = 16.5 AC I = 7.9' Q = 97.2 CFS	CURB INLET NO. 19 (VALLEY ROAD) 13.5' RT. OF STA. 5+89.34 D.A. = 1.2 AC I = 9.2' Q = 8.3 CFS	CURB INLET NO. 20 (VALLEY ROAD) 13.5' LT. OF STA. 6+11.85 D.A. = 1.4 AC I = 9.2' Q = 9.6 CFS	CURB INLET NO. 25 (VALLEY ROAD) 13.5' RT. OF STA. 10+53.92 D.A. = 0.70 AC I = 9.8' Q = 5.1 CFS
--	--	--	--

SANITARY SEWER STRUCTURE SCHEDULE

MH NO. 12 (VALLEY ROAD)
CENTERLINE STA. 6+55.78

CENTERLINE CURVE DATA

⊙ Δ = 88°56'06"	Ⓜ Δ = 144°09'43"
R = 178.28'	R = 95.00'
D = 32.13808"	D = 60.31135"
T = 175.00'	T = 293.79'
L = 276.73'	L = 239.03'
Ⓜ Δ = 56°24'15"	Ⓜ Δ = 45°46'14"
R = 201.98'	R = 122.70'
D = 28.36706"	D = 46.69583"
T = 108.31'	T = 51.79'
L = 198.84'	L = 98.02'

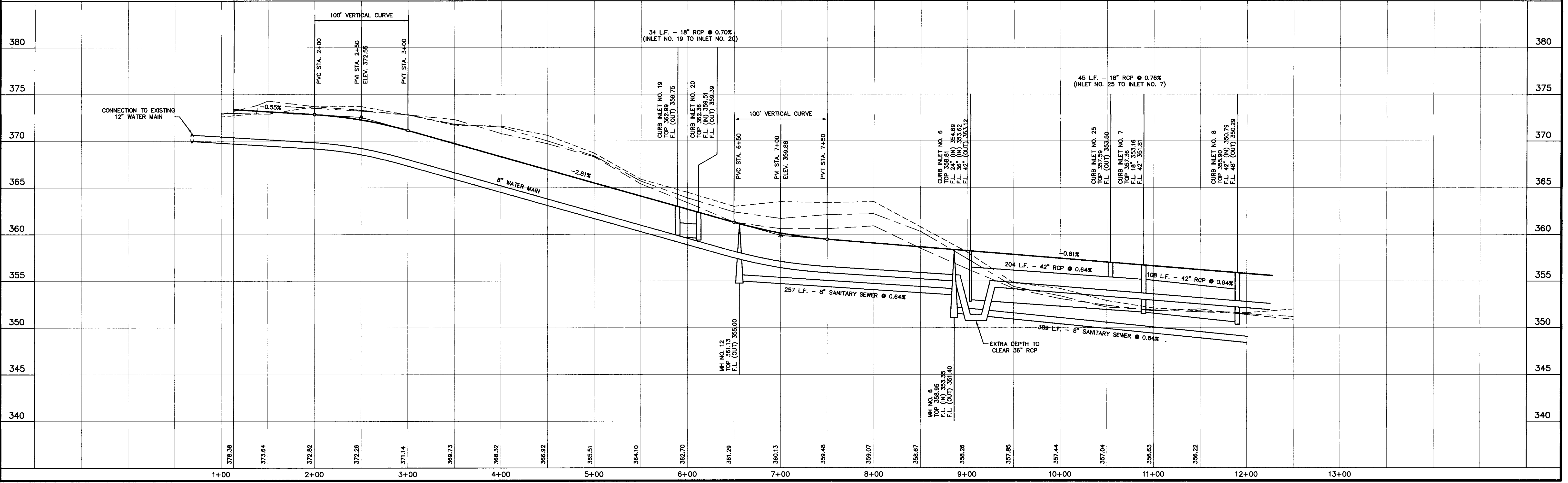
TEMPORARY BENCHMARK ELEVATION - 371.65
TOP NORTHEAST CORNER OF TRANSFORMER ON EAST SIDE OF INTERSECTION OF DINSMOR CROSSING AND WESTFIELD ROAD

TEMPORARY BENCHMARK ELEVATION - 374.40
SET NAIL IN WEST SIDE OF POWER POLE +/- 75' LEFT OF STATION 3+50 - VALLEY ROAD

NOTE:
THE CONTRACTOR PROVIDED A 3/4" WATER SERVICE AND A 6" SANITARY SEWER SERVICE TO EACH LOT AS DIRECTED BY THE ENGINEER. (SEE "TYPICAL SERVICE CONNECTIONS" DETAIL - SHEET NO. 4)

EXISTING GROUND - CENTERLINE _____
EXISTING GROUND - 25' LEFT - - - - -
EXISTING GROUND - 25' RIGHT - - - - -

NOTE: CURB RETURN RADI - R=20.0' (BACK OF CURB)



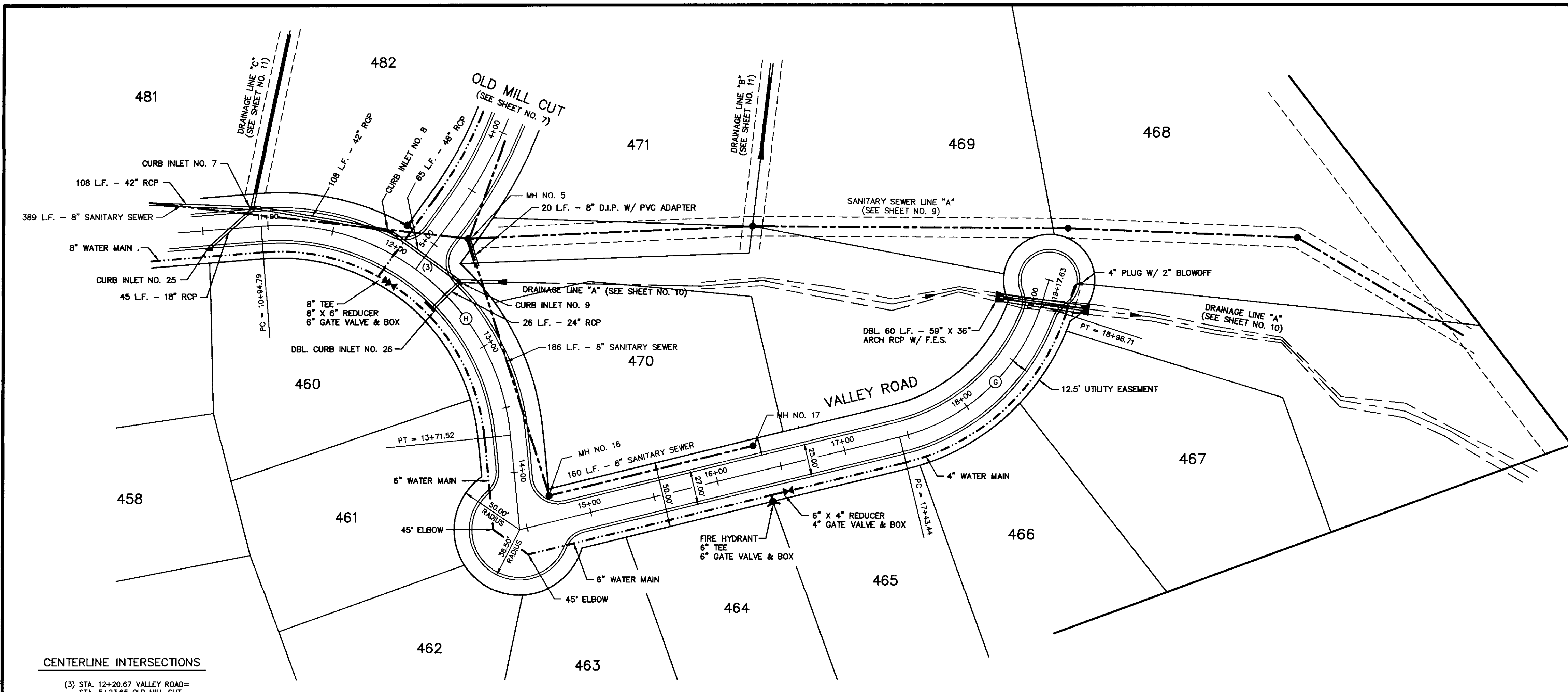
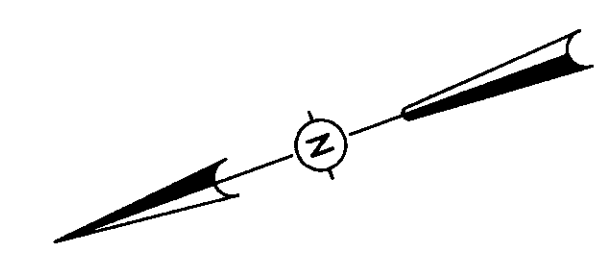
DRAWING NO. 15-PP1

H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

PROJECT: PHASE 15 OF DINSMOR
DESCRIPTION: PLAN AND PROFILE - VALLEY ROAD STA. 1+13.34 TO STA. 11+00.00

DATE	REVISION	BY	DRAWN BY: P.H.W.
11/21/95	REVISE LAYOUT	P.W.	DATE: 8/14/95
10/15/96	RECORD DRAWING	D.L.M.	HORIZ.: 1"=50' / VERT.: 1"=5'
			BOOK: 725 PAGE:
			PROJECT NO.: 91-034

SHEET
5



DRAINAGE STRUCTURE SCHEDULE

CURB INLET NO. 8 (VALLEY ROAD) 13.5' LT. OF STA. 11+90.02 D.A. = 21.3 AC. I = 7.7" Q = 122.3 CFS	CURB INLET NO. 9 (VALLEY ROAD) 13.5' LT. OF STA. 12+51.31 D.A. = 22.1 AC. I = 7.6" Q = 125.6 CFS	DBL. CURB INLET NO. 26 (VALLEY ROAD) 13.5' RT. OF STA. 12+51.31 D.A. = 3.6 AC. I = 9.6" Q = 24.3 CFS
--	--	--

SANITARY SEWER STRUCTURE SCHEDULE

MH NO. 5 (VALLEY ROAD) 20.00' LT. OF STA. 12+44.50	MH NO. 16 (VALLEY ROAD) 20.00' LT. OF STA. 14+72.05	MH NO. 17 (VALLEY ROAD) 20.00' LT. OF STA. 16+32.74
---	--	--

TEMPORARY BENCHMARK ELEVATION - 371.65
TOP NORTHEAST CORNER OF TRANSFORMER ON EAST SIDE OF INTERSECTION OF DINSMOR CROSSING AND WESTFIELD ROAD

TEMPORARY BENCHMARK ELEVATION - 374.40
SET NAIL IN WEST SIDE OF POWER POLE +/- 75' LEFT OF STATION 3+50 - VALLEY ROAD

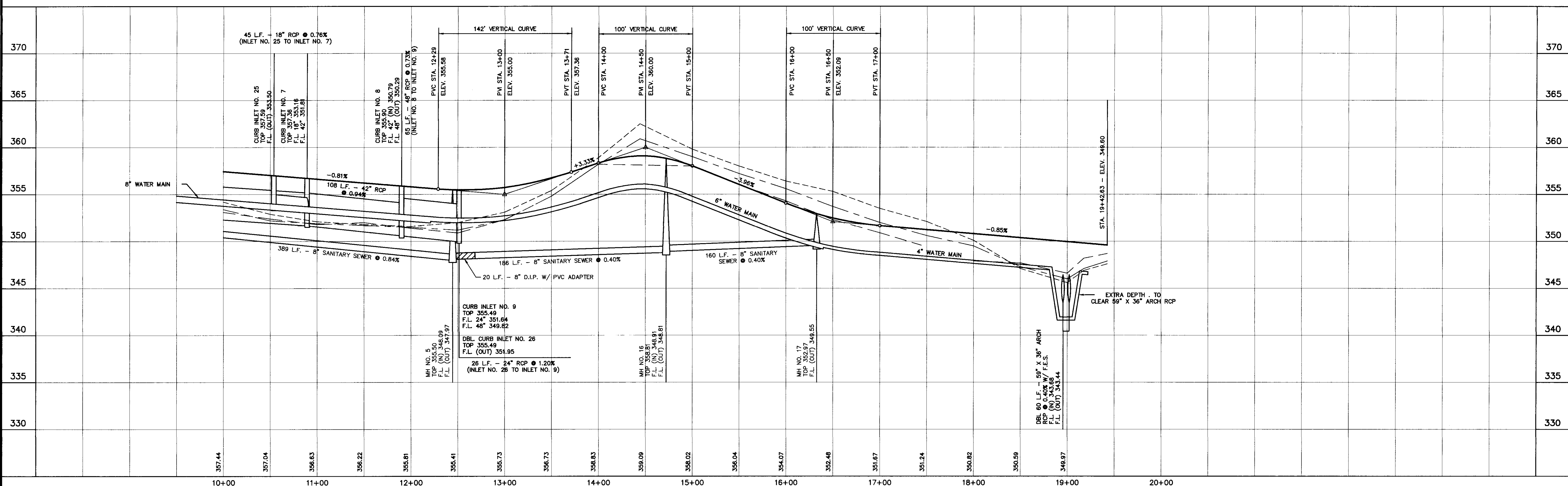
CENTERLINE CURVE DATA

⊙ Δ = 58°32'41" R = 150.00' D = 38.19719' T = 84.08' L = 153.27'	⊙ Δ = 88°56'06" R = 178.28' D = 32.13808' T = 175.00' L = 276.73'
--	---

EXISTING GROUND - CENTERLINE - - - - -
EXISTING GROUND - 25' LEFT - - - - -
EXISTING GROUND - 25' RIGHT - - - - -
NOTE: CURB RETURN RADI - R=20.0' (BACK OF CURB)

NOTE:
THE CONTRACTOR PROVIDED A 3/4" WATER SERVICE AND A 6" SANITARY SEWER SERVICE TO EACH LOT AS DIRECTED BY THE ENGINEER. (SEE "TYPICAL SERVICE CONNECTIONS" DETAIL - SHEET NO. 4)

CENTERLINE INTERSECTIONS
(3) STA. 12+20.67 VALLEY ROAD=
STA. 5+23.65 OLD MILL CUT



DRAWING NO. 15-PP2

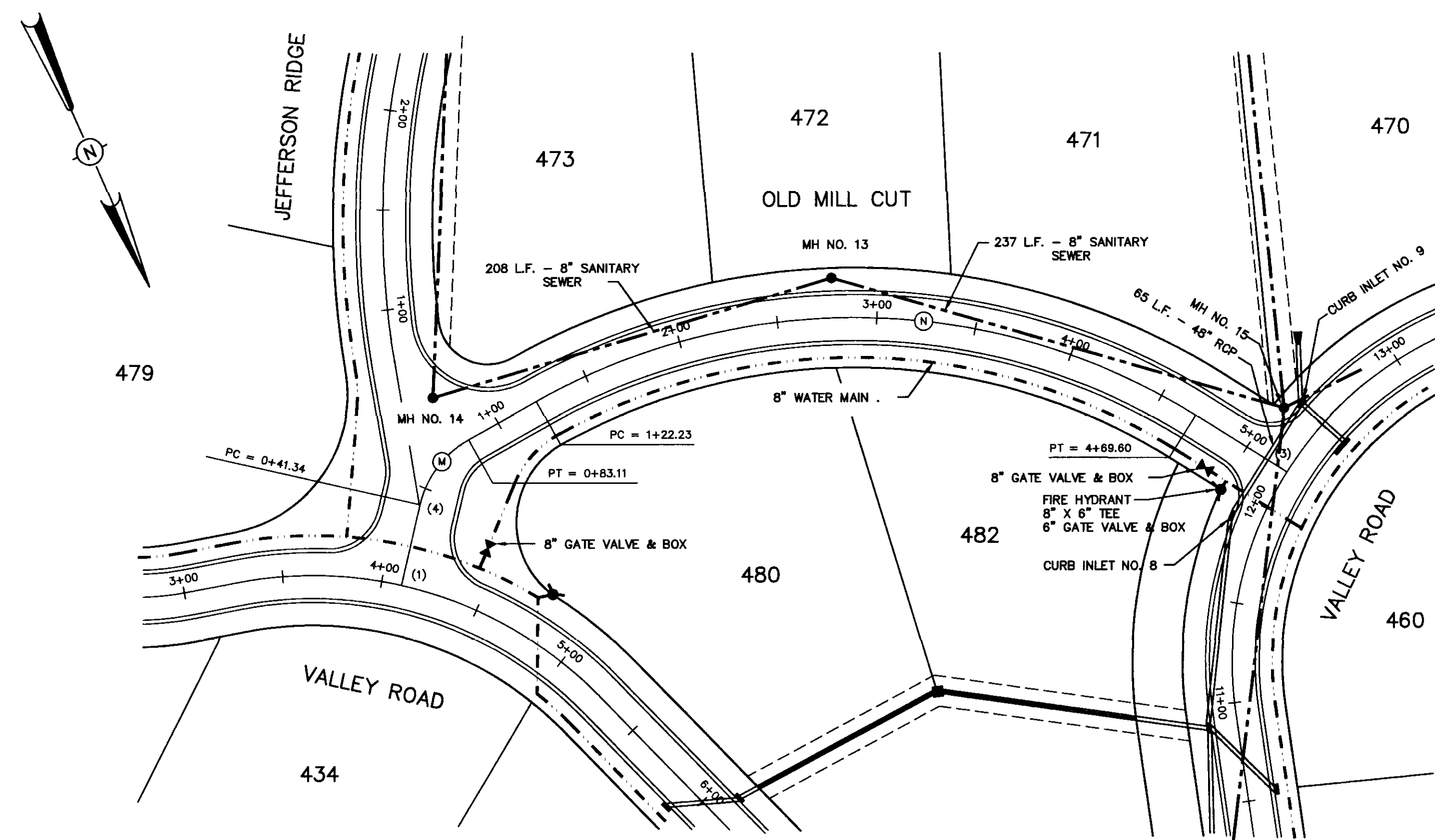
H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

PROJECT
PHASE 15 OF DINSMOR

DESCRIPTION
PLAN AND PROFILE - VALLEY ROAD
STA. 11+00.00 TO STA. 19+42.63

DATE	REVISION	BY	DRAWN BY: P.H.W.
11/21/95	ADD PRIVATE ROAD	P.W.	DATE: 9/14/95
10/15/96	RECORD DRAWING	D.L.M.	HORIZ.: 1"=50' / VERT.: 1"=5'
			BOOK: 725 PAGE:
			PROJECT NO.: 91-034

SHEET
6



CENTERLINE INTERSECTIONS

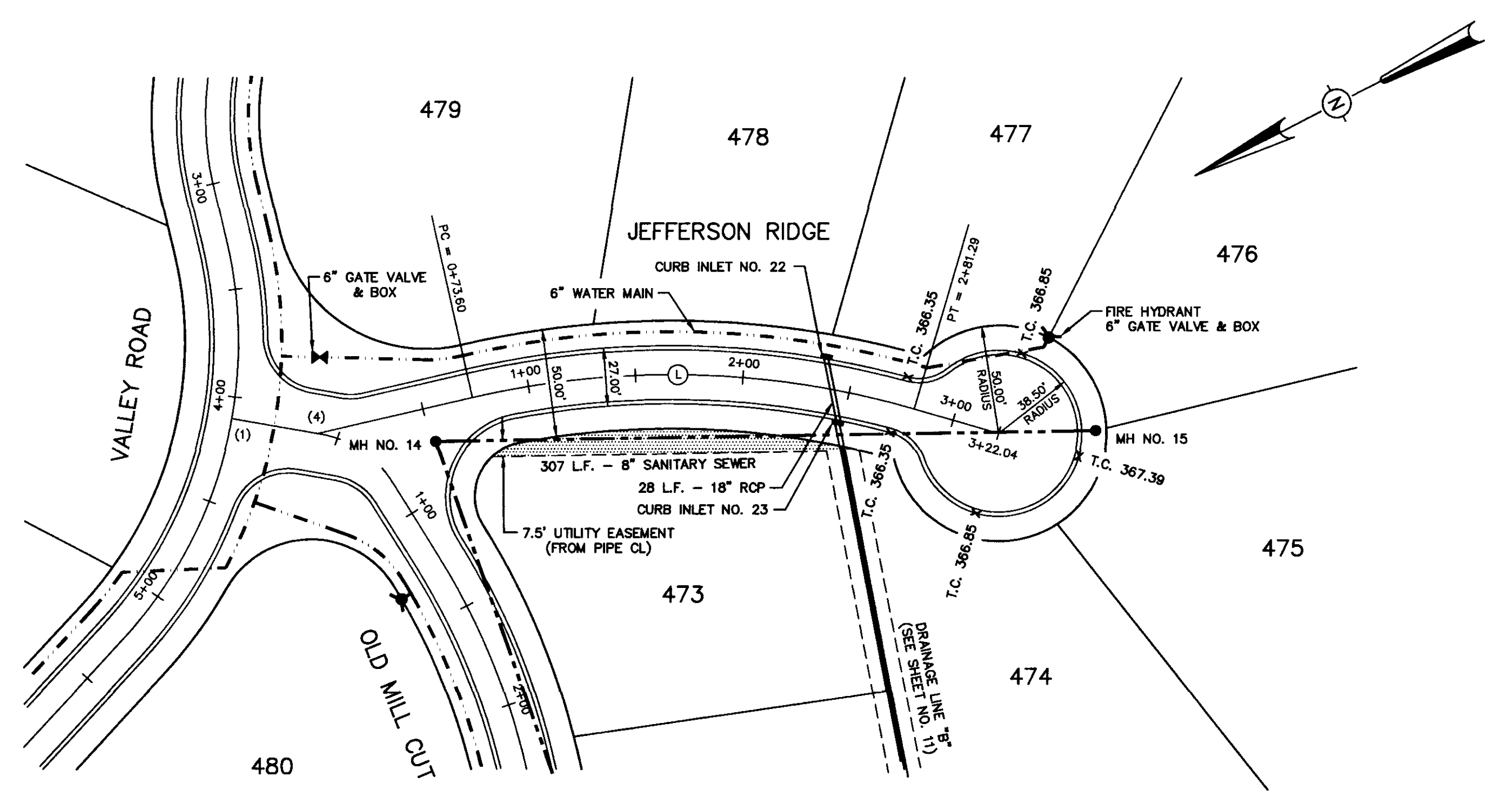
(1) STA. 4+10.17 VALLEY ROAD = STA. 0+00.00 OLD MILL CUT
 (2) STA. 12+20.67 VALLEY ROAD = STA. 5+23.65 OLD MILL CUT
 (3) STA. 0+40.42 OLD MILL CUT = STA. 0+00.00 JEFFERSON RIDGE

SANITARY SEWER STRUCTURE SCHEDULE

MH NO. 13 (OLD MILL CUT) 20.00' LT. OF STA. 2+77.62	MH NO. 14 (JEFFERSON RIDGE) 15.95' RT. OF STA. 0+52.42	MH NO. 15 (VALLEY ROAD) 13.65' LT. OF STA. 3+64.92
--	---	---

DRAINAGE STRUCTURE SCHEDULE

CURB INLET NO. 22 (JEFFERSON RIDGE) 13.5' LT. OF STA. 2+36.77 D.A. = 1.9 AC. I = 9.8" Q = 13.9 CFS	CURB INLET NO. 23 (JEFFERSON RIDGE) 13.5' RT. OF STA. 2+47.72 D.A. = 2.0 AC. I = 9.9" Q = 14.8 CFS
--	--



TEMPORARY BENCHMARK ELEVATION - 371.65
 TOP NORTHEAST CORNER OF TRANSFORMER ON EAST SIDE OF INTERSECTION OF DINSMOR CROSSING AND WESTFIELD ROAD

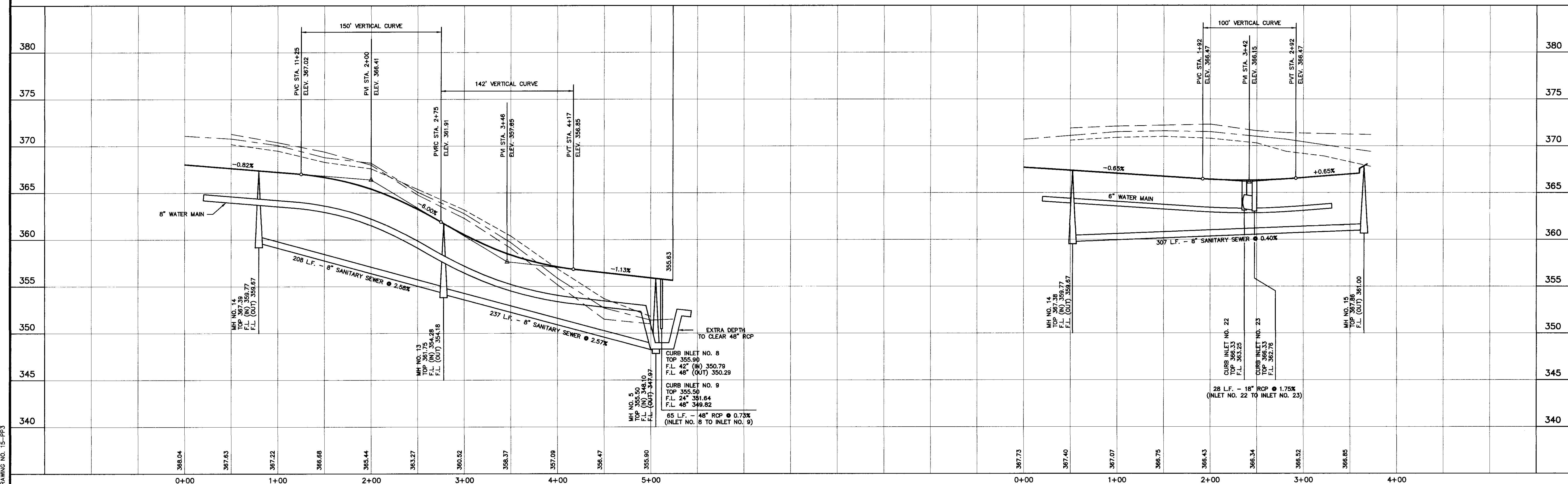
TEMPORARY BENCHMARK ELEVATION - 374.40
 SET NAIL IN WEST SIDE OF POWER POLE +/- 75' LEFT OF STATION 3+50 - VALLEY ROAD

NOTE:
 THE CONTRACTOR PROVIDED A 3/4" WATER SERVICE AND A 6" SANITARY SEWER SERVICE TO EACH LOT AS DIRECTED BY THE ENGINEER. (SEE "TYPICAL SERVICE CONNECTIONS" DETAIL - SHEET NO. 4)

CENTERLINE CURVE DATA

Ⓛ Δ = 29°05'35"	Ⓞ Δ = 47°51'53"	Ⓢ Δ = 61°14'22"
R = 409.00'	R = 50.00'	R = 325.00'
D = 14.00806'	D = 114.59156'	D = 17.62947'
T = 106.13'	T = 22.19'	T = 192.36'
L = 207.69'	L = 41.77'	L = 347.37'

EXISTING GROUND - CENTERLINE
 EXISTING GROUND - 25' LEFT
 EXISTING GROUND - 25' RIGHT
 NOTE: CURB RETURN RADI - R=20.0' (BACK OF CURB)



DRAWING NO. 15-PP3

H D LANG AND ASSOCIATES, INC.
 POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
 601-362-4886

PROJECT
 PHASE 15 OF DINSMOR

DESCRIPTION
 PLAN AND PROFILE - OLD MILL CUT AND JEFFERSON RIDGE

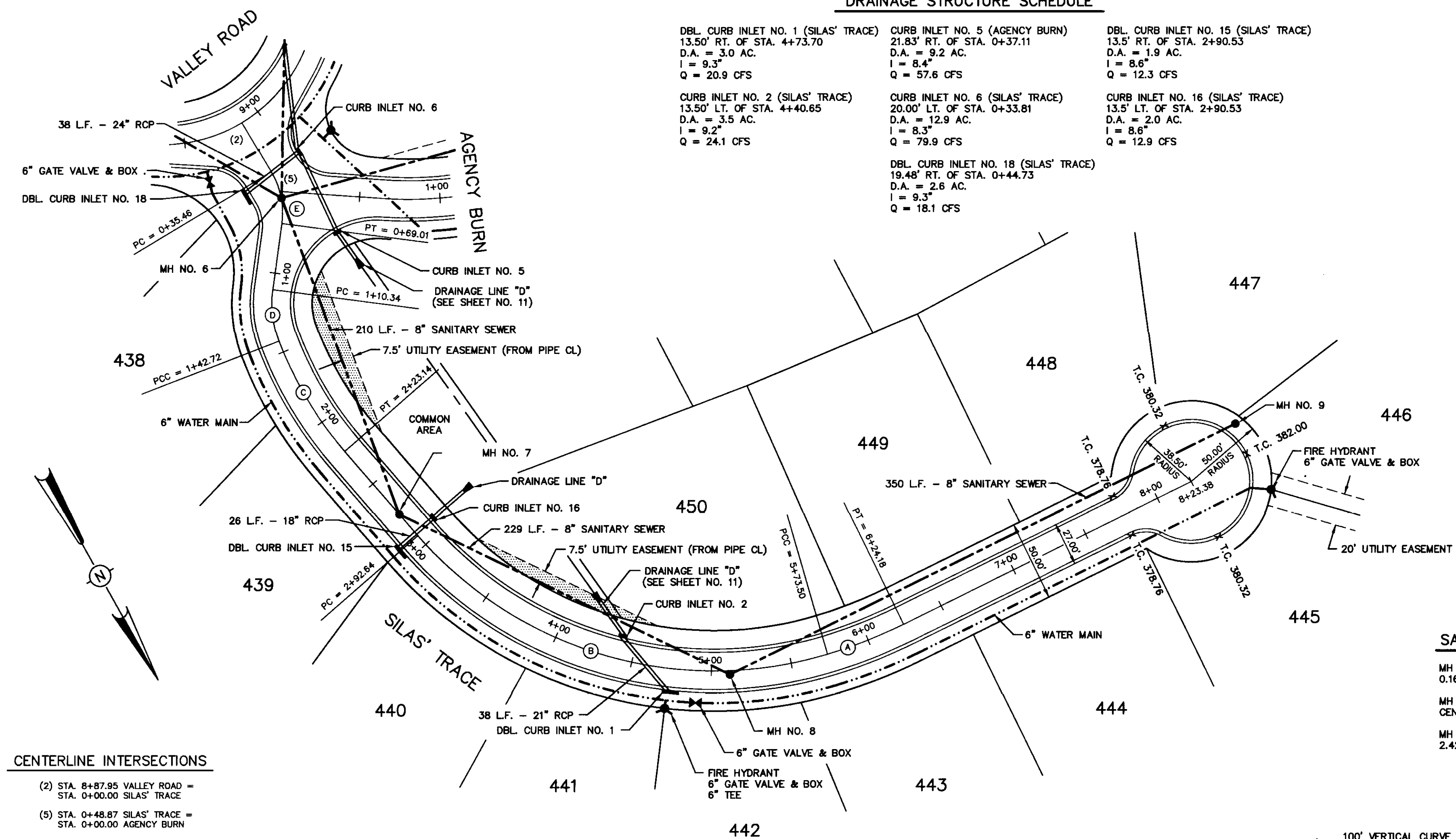
DATE	REVISION	BY
11/21/95	SHOW UTILITY EASEMENT	P.W.
10/15/96	RECORD DRAWING	D.L.M.

DRAWN BY: P.H.W.
 DATE: 6/14/95
 HORIZ.: 1"=50' / VERT.: 1"=5'
 BOOK: 725 PAGE:
 PROJECT NO.: 91-034

SHEET
7

DRAINAGE STRUCTURE SCHEDULE

DBL CURB INLET NO. 1 (SILAS' TRACE) 13.50' RT. OF STA. 4+73.70 D.A. = 3.0 AC. I = 9.3" Q = 20.9 CFS	CURB INLET NO. 5 (AGENCY BURN) 21.83' RT. OF STA. 0+37.11 D.A. = 9.2 AC. I = 8.4" Q = 57.6 CFS	DBL CURB INLET NO. 15 (SILAS' TRACE) 13.5' RT. OF STA. 2+90.53 D.A. = 1.9 AC. I = 8.8" Q = 12.3 CFS
CURB INLET NO. 2 (SILAS' TRACE) 13.50' LT. OF STA. 4+40.65 D.A. = 3.5 AC. I = 9.2" Q = 24.1 CFS	CURB INLET NO. 6 (SILAS' TRACE) 20.00' LT. OF STA. 0+33.81 D.A. = 12.9 AC. I = 8.3" Q = 79.9 CFS	DBL CURB INLET NO. 16 (SILAS' TRACE) 13.5' LT. OF STA. 2+90.53 D.A. = 2.0 AC. I = 8.8" Q = 12.9 CFS
	DBL CURB INLET NO. 18 (SILAS' TRACE) 19.48' RT. OF STA. 0+44.73 D.A. = 2.6 AC. I = 9.3" Q = 18.1 CFS	



CENTERLINE INTERSECTIONS

- (2) STA. 8+87.85 VALLEY ROAD = STA. 0+00.00 SILAS' TRACE
- (5) STA. 0+48.87 SILAS' TRACE = STA. 0+00.00 AGENCY BURN

SANITARY SEWER STRUCTURE SCHEDULE

MH NO. 6 (SILAS' TRACE) 0.16' LT. OF STA. 0+53.01	MH NO. 9 (SILAS' TRACE) 20.00' LT. OF STA. 8+63.69
MH NO. 7 (SILAS' TRACE) CENTERLINE STA. 2+75.00	MH NO. 10 (AGENCY BURN) 20.00' LT. OF STA. 2+15.81
MH NO. 8 (SILAS' TRACE) 2.42' RT. OF STA. 5+11.61	MH NO. 11 (AGENCY BURN) 14.22' LT. OF STA. 4+90.56

TEMPORARY BENCHMARK ELEVATION - 371.65
TOP NORTHEAST CORNER OF TRANSFORMER ON EAST SIDE OF INTERSECTION OF DINSMOR CROSSING AND WESTFIELD ROAD

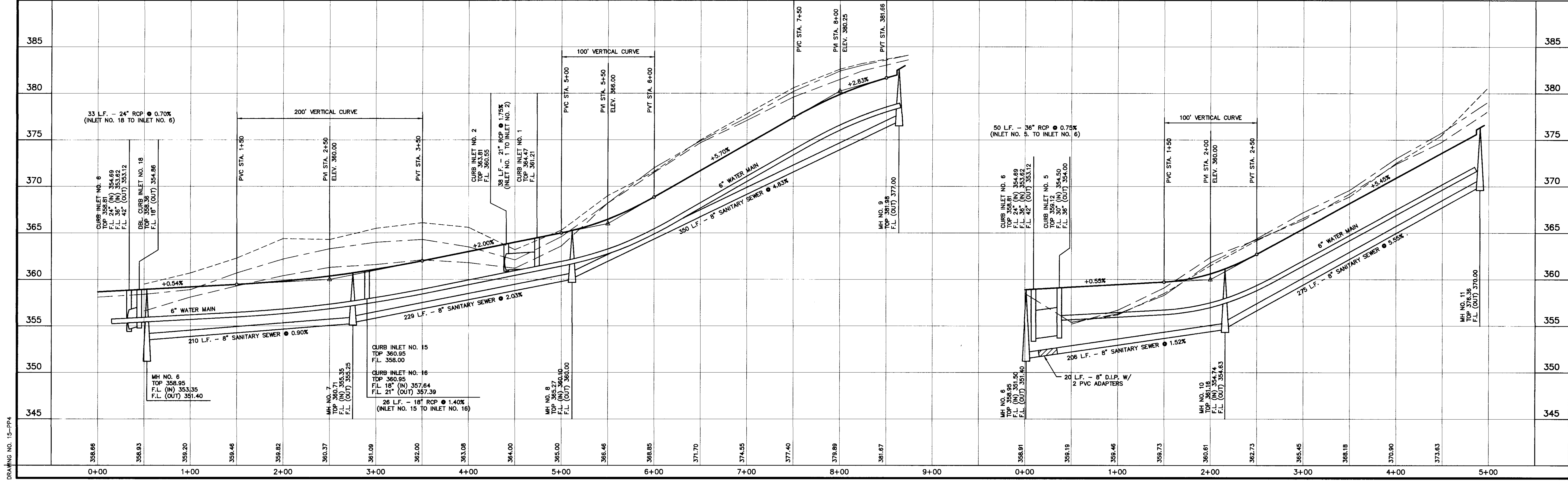
TEMPORARY BENCHMARK ELEVATION - 374.40
SET NAIL IN WEST SIDE OF POWER POLE +/- 75' LEFT OF STATION 3+50 - VALLEY ROAD

NOTE:
THE CONTRACTOR PROVIDED A 3/4" WATER SERVICE AND A 6" SANITARY SEWER SERVICE TO EACH LOT AS DIRECTED BY THE ENGINEER. (SEE "TYPICAL SERVICE CONNECTIONS" DETAIL - SHEET NO. 4)

CENTERLINE CURVE DATA

Ⓐ Δ = 09°40'42" R = 300.00' D = 19.09859' T = 25.40' L = 50.66'	Ⓑ Δ = 65°32'00" R = 245.56' D = 23.33270' T = 158.05' L = 280.87'	Ⓒ Δ = 20°01'44" R = 230.04' D = 24.90688' T = 40.62' L = 80.41'
Ⓓ Δ = 28°32'34" R = 65.00' D = 88.14735' T = 16.53' L = 32.38'	Ⓔ Δ = 38°27'00" R = 50.00' D = 114.59156' T = 17.44' L = 33.55'	Ⓕ Δ = 30°18'58" R = 224.98' D = 25.47838' T = 60.82' L = 118.99'

EXISTING GROUND - CENTERLINE
EXISTING GROUND - 25' LEFT
EXISTING GROUND - 25' RIGHT
NOTE: CURB RETURN RADI - R=20.0' (BACK OF CURB)



DRAWING NO. 15-PP-4

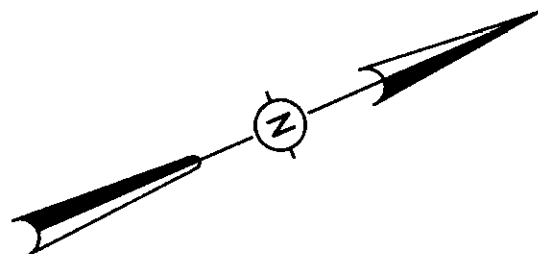
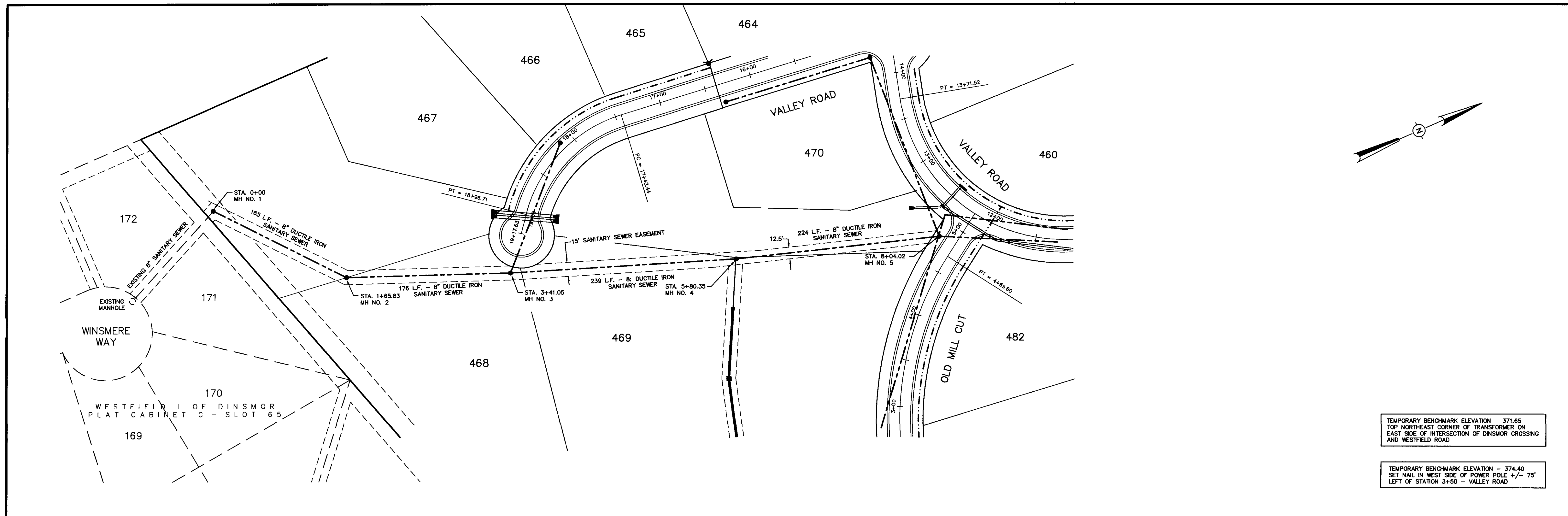
H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

PROJECT
PHASE 15 OF DINSMOR

DESCRIPTION
PLAN AND PROFILE - SILAS' TRACE AND AGENCY BURN

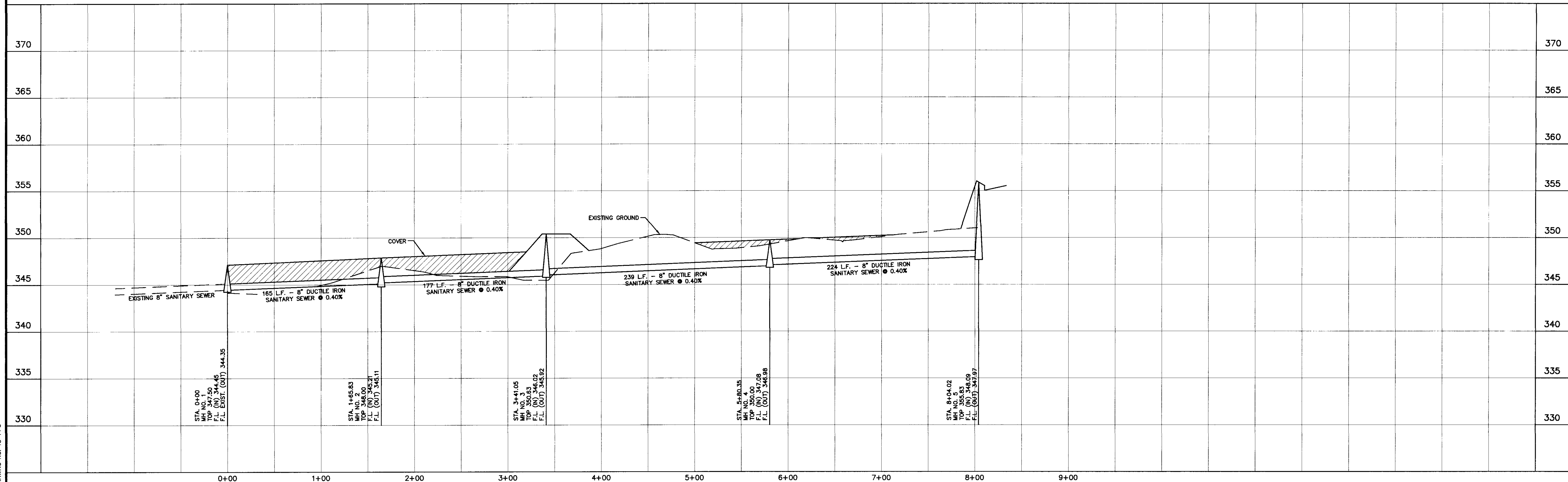
DATE 11/21/95	REVISION SHOW UTILITY EASEMENT	BY P.W.	DRAWN BY: P.H.W.
10/15/96	RECORD DRAWING	D.L.M.	DATE: 9/14/95
			HORIZ.: 1"=50' / VERT.: 1"=5'
			BOOK: 725 PAGE:
			PROJECT NO.: 91-034

SHEET
8



TEMPORARY BENCHMARK ELEVATION - 371.65
 TOP NORTHEAST CORNER OF TRANSFORMER ON
 EAST SIDE OF INTERSECTION OF DINSMOR CROSSING
 AND WESTFIELD ROAD

TEMPORARY BENCHMARK ELEVATION - 374.40
 SET NAIL IN WEST SIDE OF POWER POLE +/- 75'
 LEFT OF STATION 3+50 - VALLEY ROAD



DRAWING NO. 15-PP5

H D LANG AND ASSOCIATES, INC.
 POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
 601-362-4886

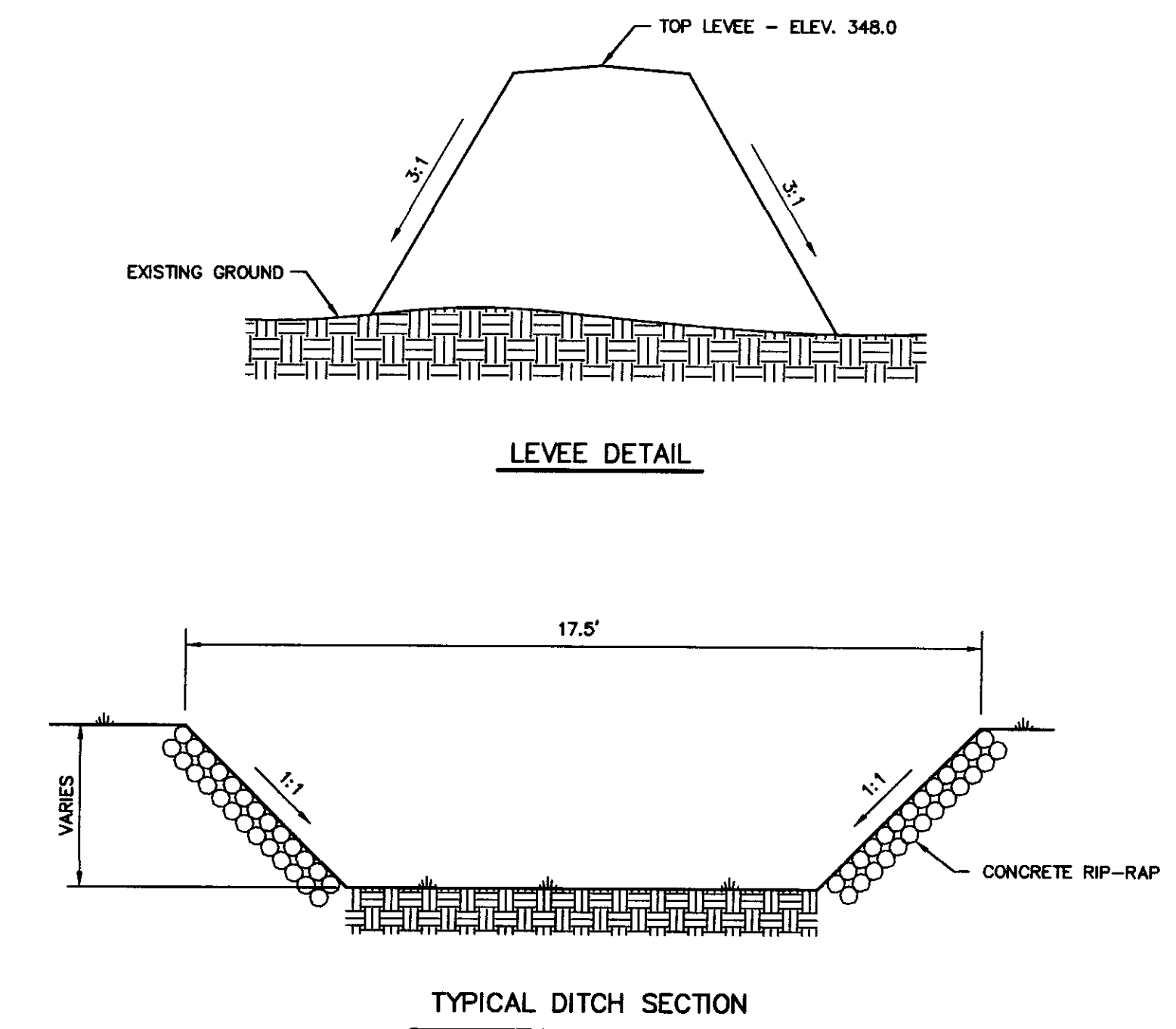
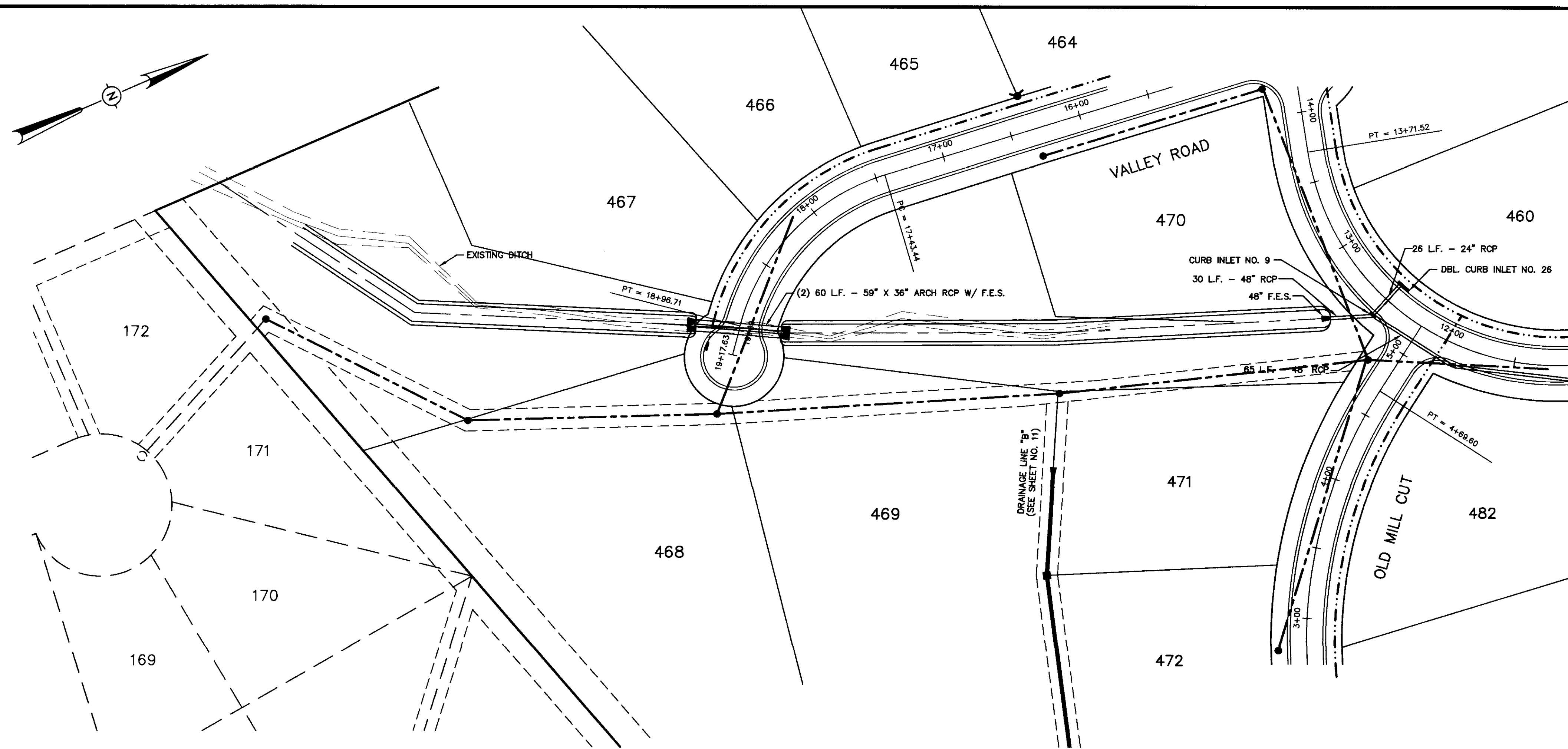
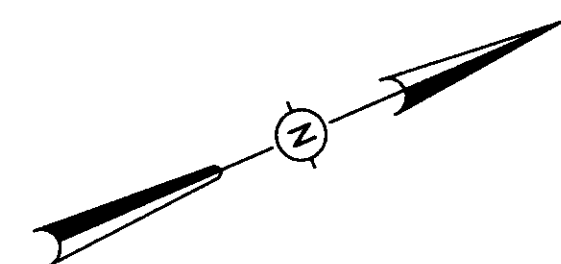
PROJECT
 PHASE 15 OF DINSMOR

DESCRIPTION
 PLAN AND PROFILE
 SANITARY SEWER LINE "A"

DATE	REVISION	BY
11/21/95	EXTEND SEWER EASEMENT	P.W.
10/15/96	RECORD DRAWING	D.L.M.

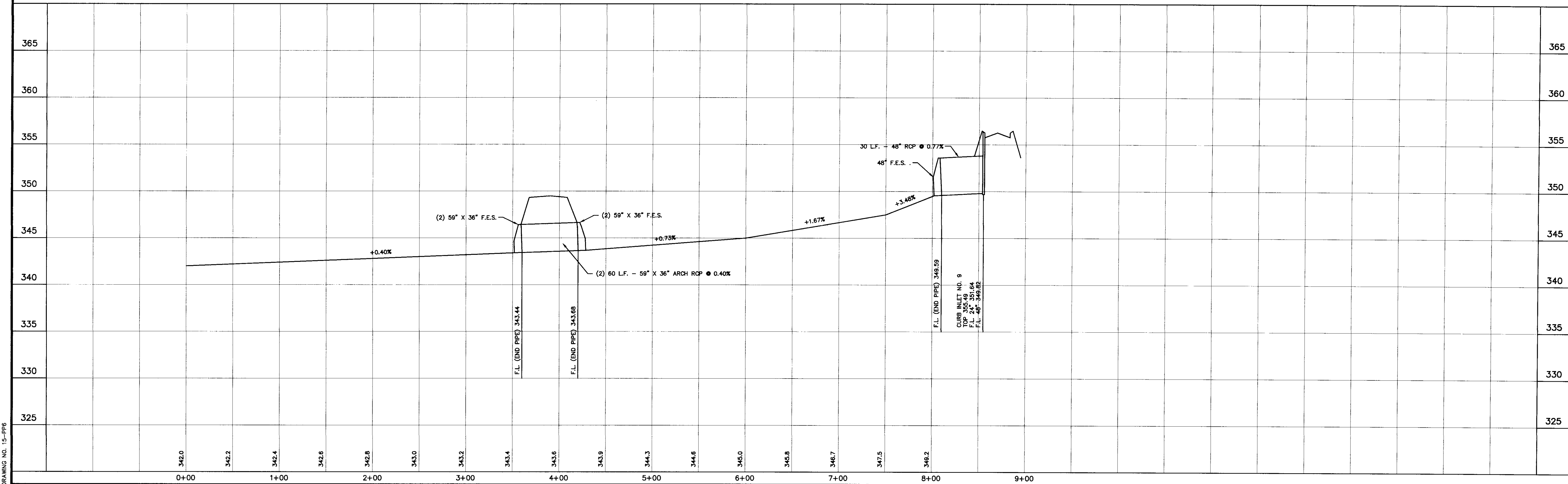
DRAWN BY: P.H.W.
 DATE: 9/14/95
 HORIZ.: 1"=50' / VERT.: 1"=5'
 BOOK: 725 PAGE:
 PROJECT NO.: 91-034

SHEET
9



TEMPORARY BENCHMARK ELEVATION - 371.65
TOP NORTHEAST CORNER OF TRANSFORMER ON
EAST SIDE OF INTERSECTION OF DINSMOR CROSSING
AND WESTFIELD ROAD

TEMPORARY BENCHMARK ELEVATION - 374.40
SET NAIL IN WEST SIDE OF POWER POLE +/- 75'
LEFT OF STATION 3+50 - VALLEY ROAD



DRAWING NO. 15-PP6

H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

PROJECT
PHASE 15 OF DINSMOR

DESCRIPTION
PLAN AND PROFILE
DRAINAGE LINE "A"

DATE	REVISION	BY
10/15/96	RECORD DRAWING	D.L.M.

DRAWN BY: P.H.W.
DATE: 9/14/95
HORIZ.: 1"=50' / VERT.: 1"=5'
BOOK: 725 PAGE:
PROJECT NO.: 91-034

SHEET
10

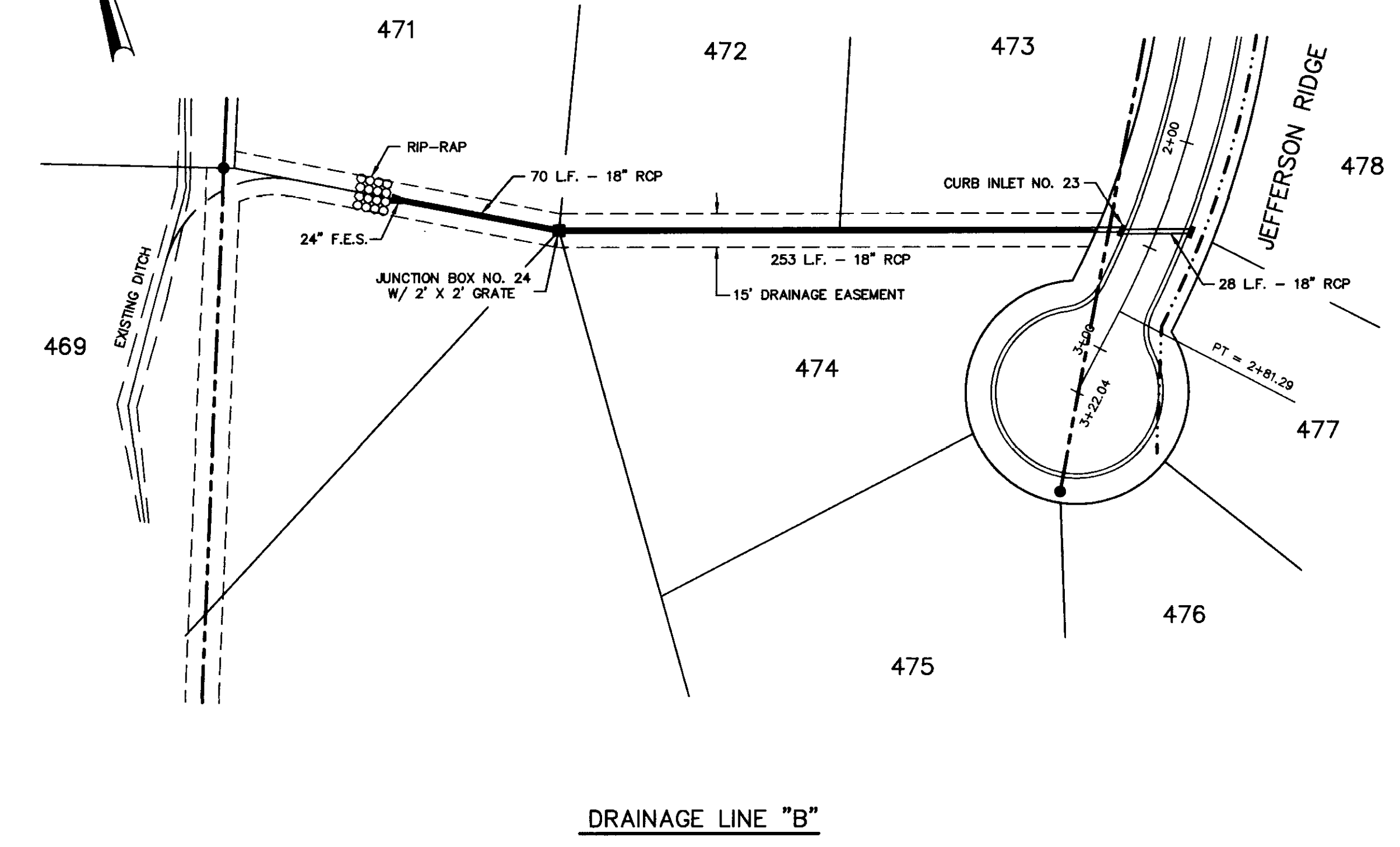
DRAINAGE STRUCTURE SCHEDULE

JUNCTION BOX NO. 21
D.A. = 1.8 AC.
I = 8.9"
Q = 12.0 CFS

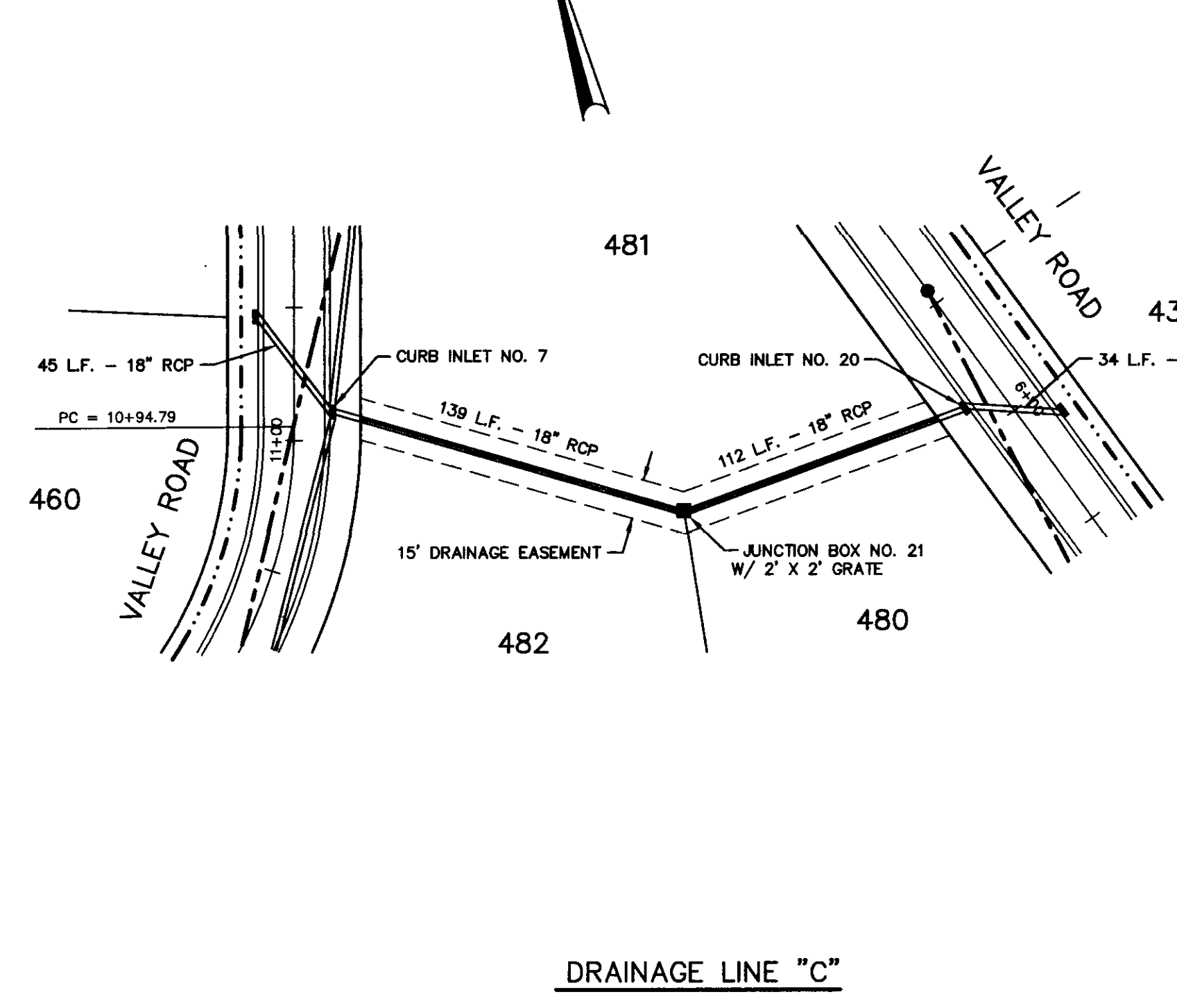
JUNCTION BOX NO. 24
D.A. = 2.4 AC.
I = 8.9"
Q = 16.0 CFS

TEMPORARY BENCHMARK ELEVATION - 371.65
TOP NORTHEAST CORNER OF TRANSFORMER ON
EAST SIDE OF INTERSECTION OF DINSMOR CROSSING
AND WESTFIELD ROAD

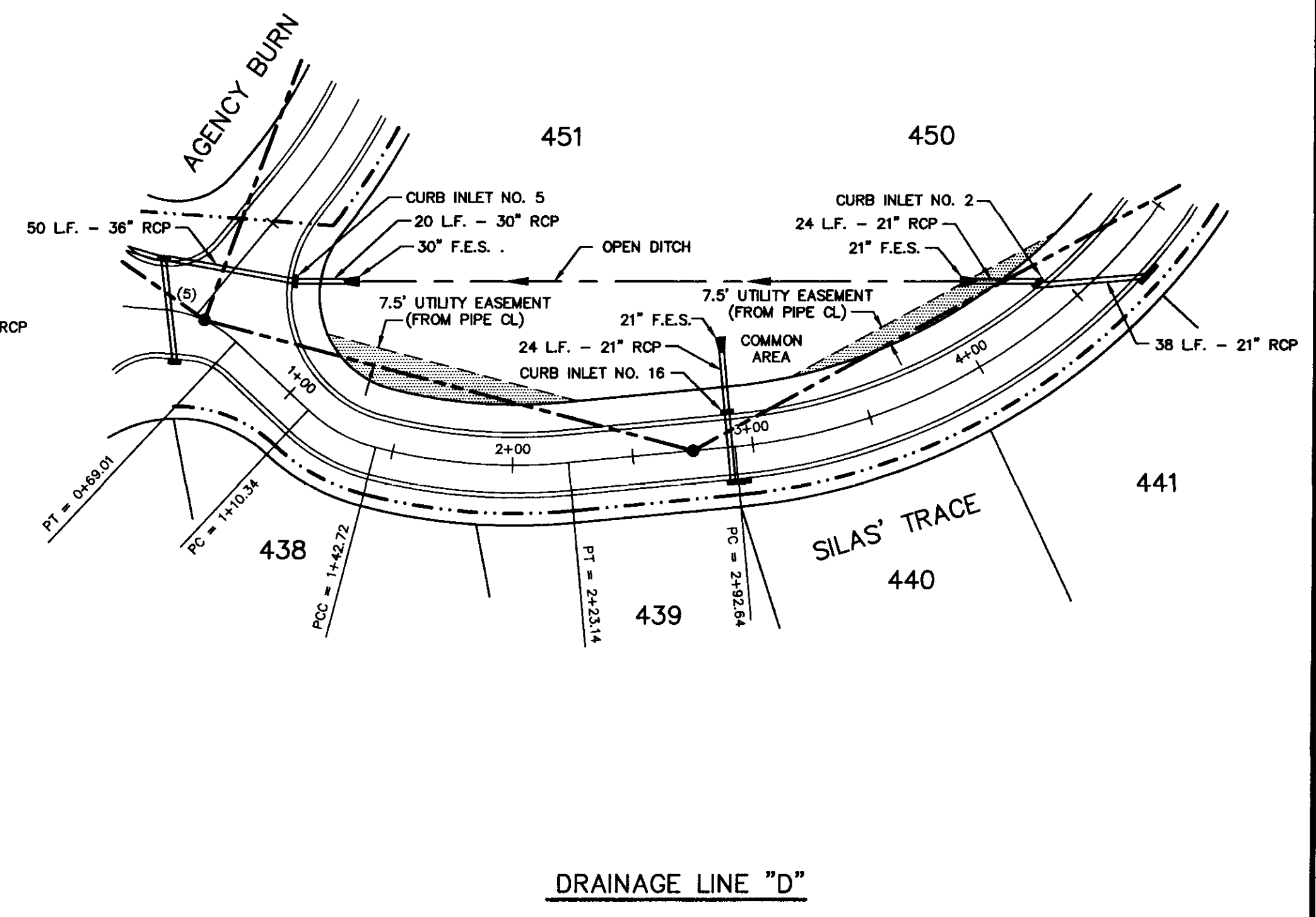
TEMPORARY BENCHMARK ELEVATION - 374.40
SET NAIL IN WEST SIDE OF POWER POLE +/- 75'
LEFT OF STATION 3+50 - VALLEY ROAD



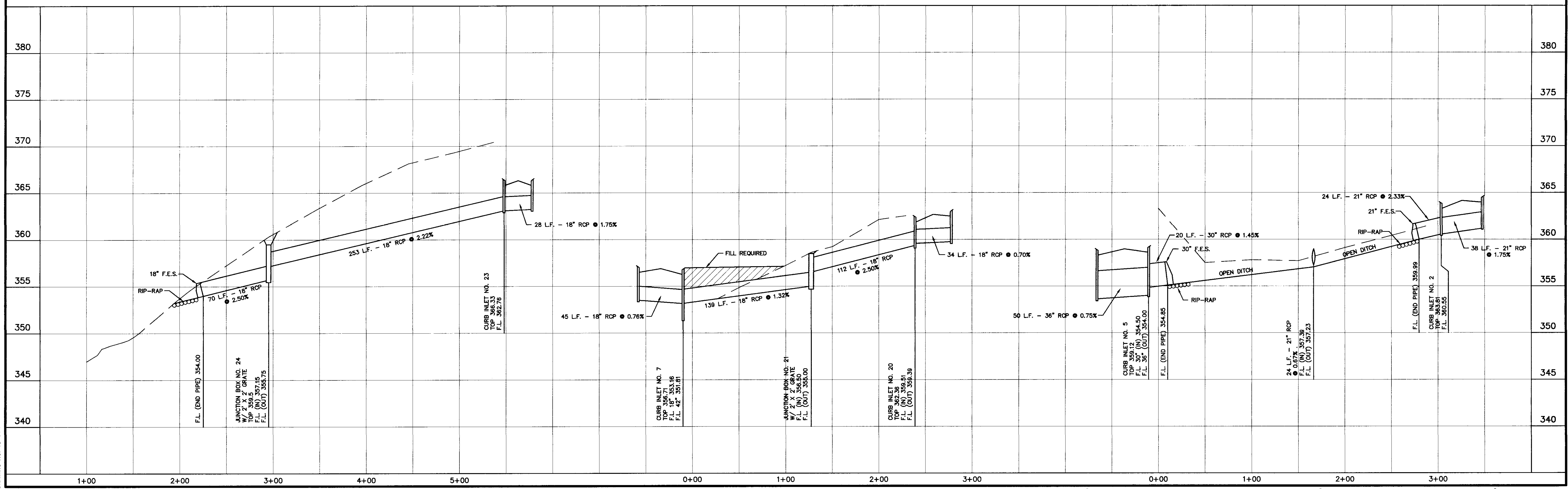
DRAINAGE LINE "B"



DRAINAGE LINE "C"



DRAINAGE LINE "D"

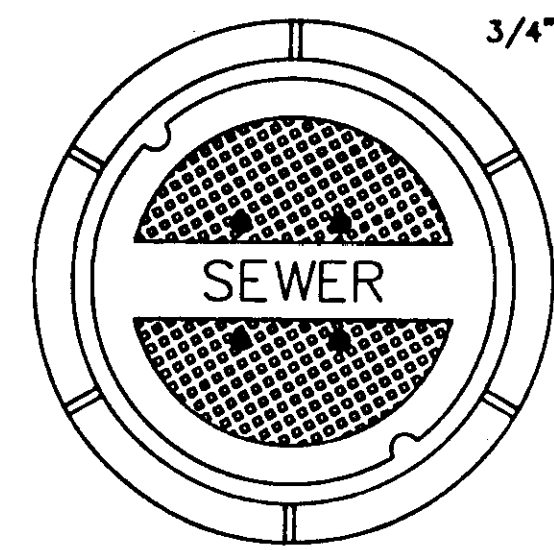


H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

PROJECT: PHASE 15 OF DINSMOR
DESCRIPTION: PLAN AND PROFILE DRAINAGE LINES "B", "C" AND "D"

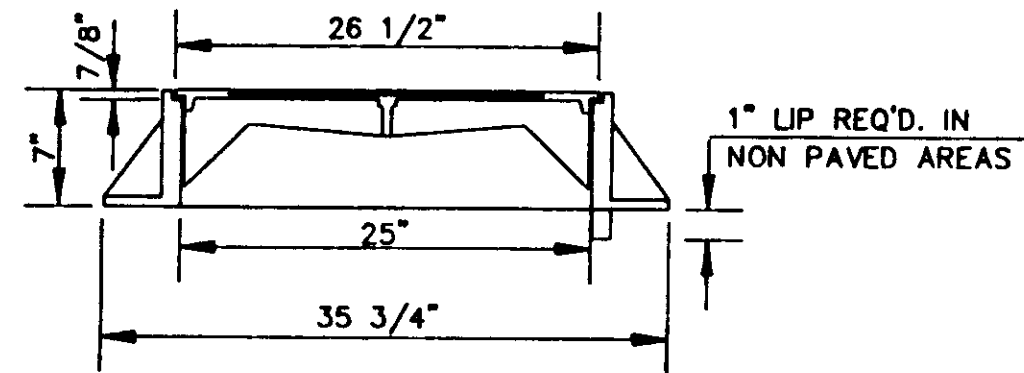
DATE	REVISION	BY	DRAWN BY: P.H.W.
11/21/95	SHOW UTILITY EASEMENTS	P.W.	DATE: 9/14/95
10/15/96	RECORD DRAWING	D.L.M.	HORIZ.: 1"=50' / VERT.: 1"=5'
			BOOK: 725 PAGE:
			PROJECT NO.: 91-034

SHEET **11**

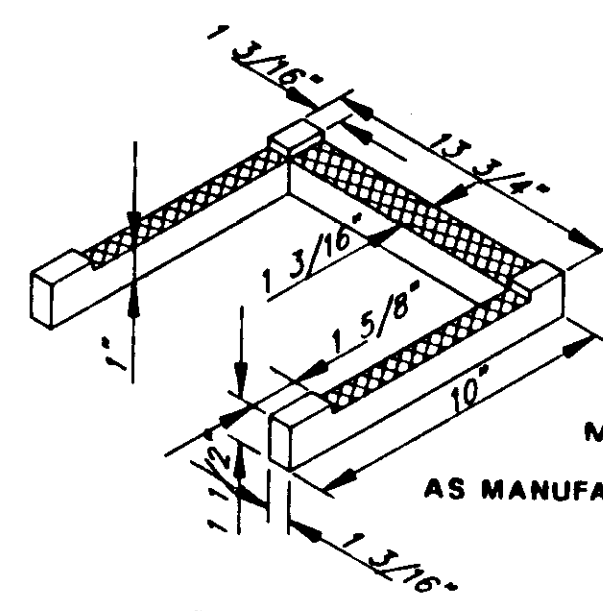


TOP PLAN OF COVER

FRAME & COVER WEIGHT 420 LBS.



SECTION

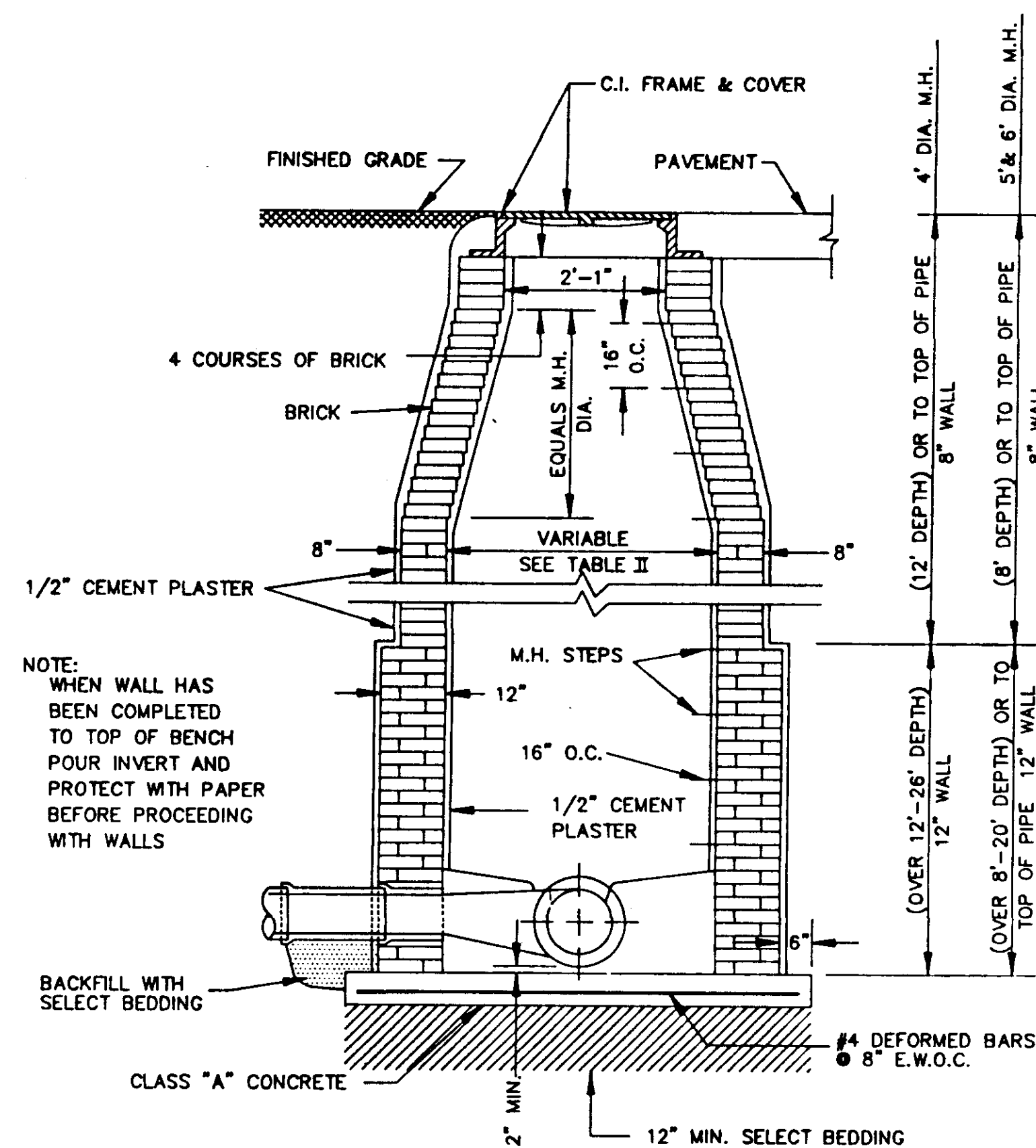


DETAIL 'B'

MODEL NO. PS2 - PF
AS MANUFACTURED BY M.A. INDUSTRIES INC.

STANDARD MANHOLE FRAME AND COVER

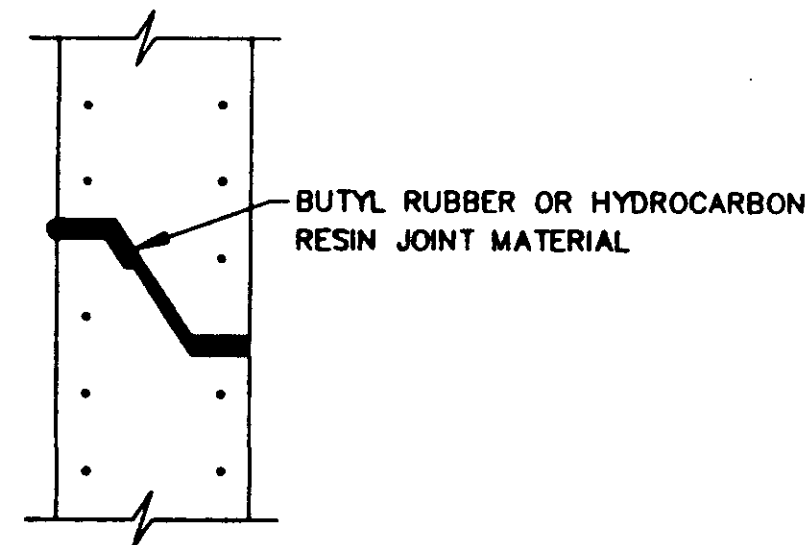
N.T.S.



NOTE:
WHEN WALL HAS
BEEN COMPLETED
TO TOP OF BENCH
POUR INVERT AND
PROTECT WITH PAPER
BEFORE PROCEEDING
WITH WALLS

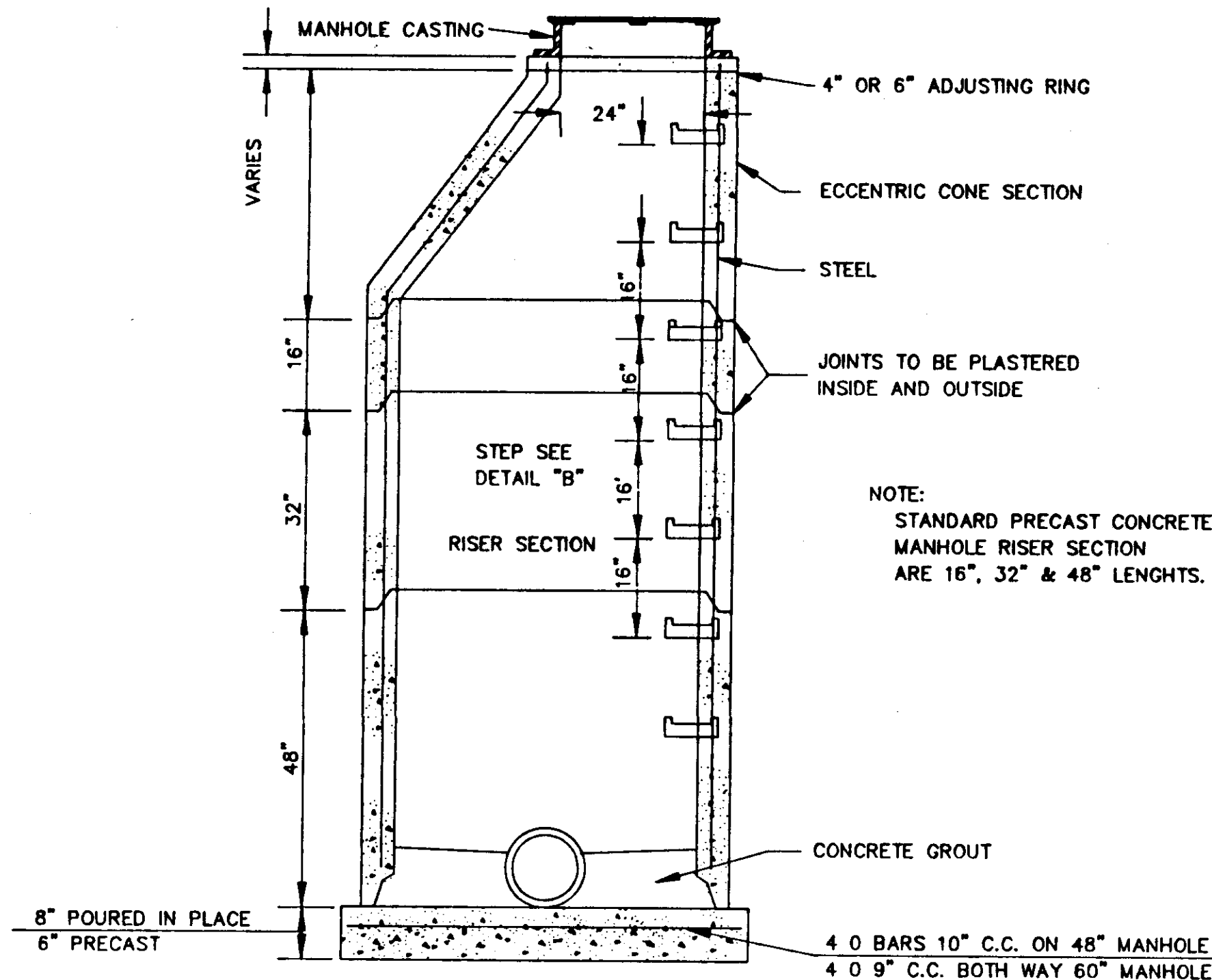
STANDARD BRICK MANHOLE

N.T.S.



TYPICAL PRECAST CONCRETE
MANHOLE JOINT DETAIL

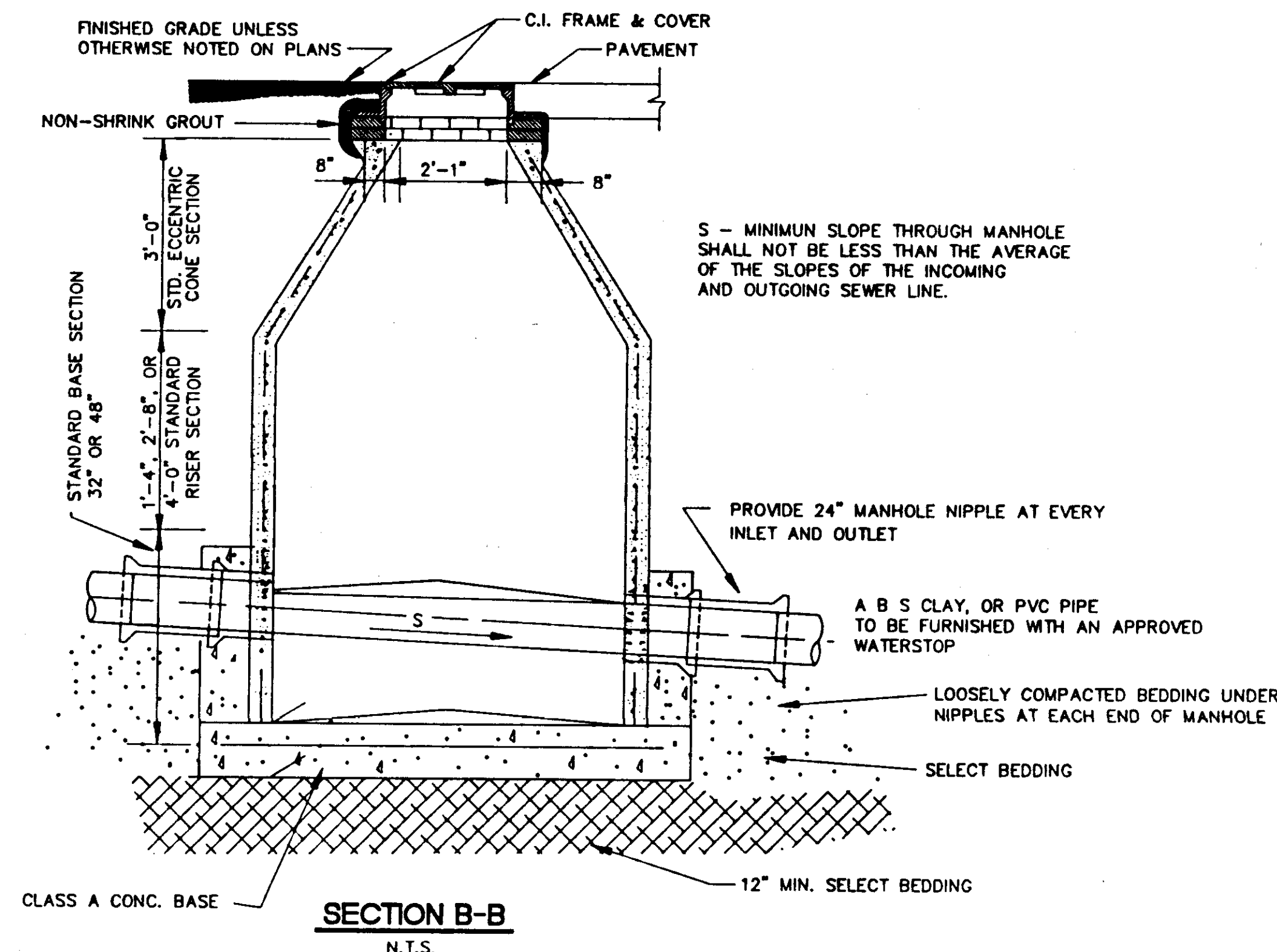
N.T.S.



SECTION OF PRECAST CONCRETE MANHOLE

N.T.S.

NOTE:
STANDARD PRECAST CONCRETE
MANHOLE RISER SECTION
ARE 16\", 32\" & 48\" LENGTHS.



SECTION B-B

N.T.S.

S - MINIMUM SLOPE THROUGH MANHOLE
SHALL NOT BE LESS THAN THE AVERAGE
OF THE SLOPES OF THE INCOMING
AND OUTGOING SEWER LINE.

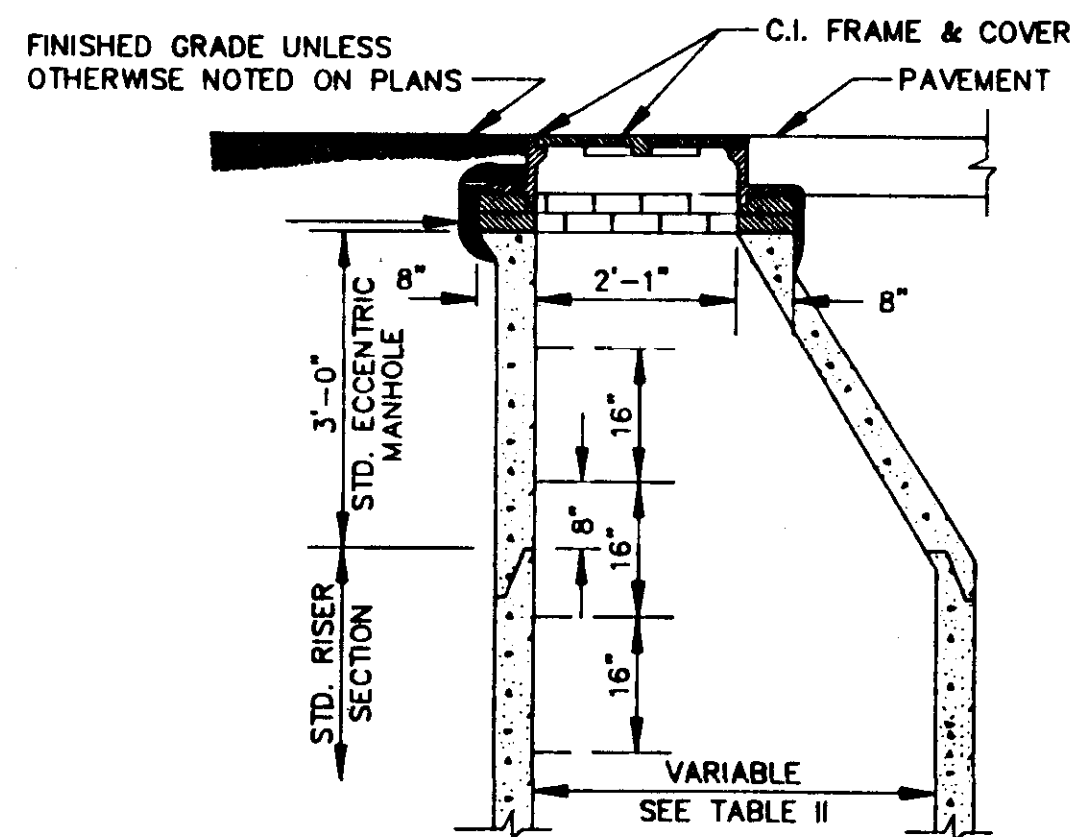
PROVIDE 24\"/>

A B S CLAY, OR PVC PIPE
TO BE FURNISHED WITH AN APPROVED
WATERSTOP

LOOSELY COMPACTED BEDDING UNDER
NIPPLES AT EACH END OF MANHOLE

SELECT BEDDING

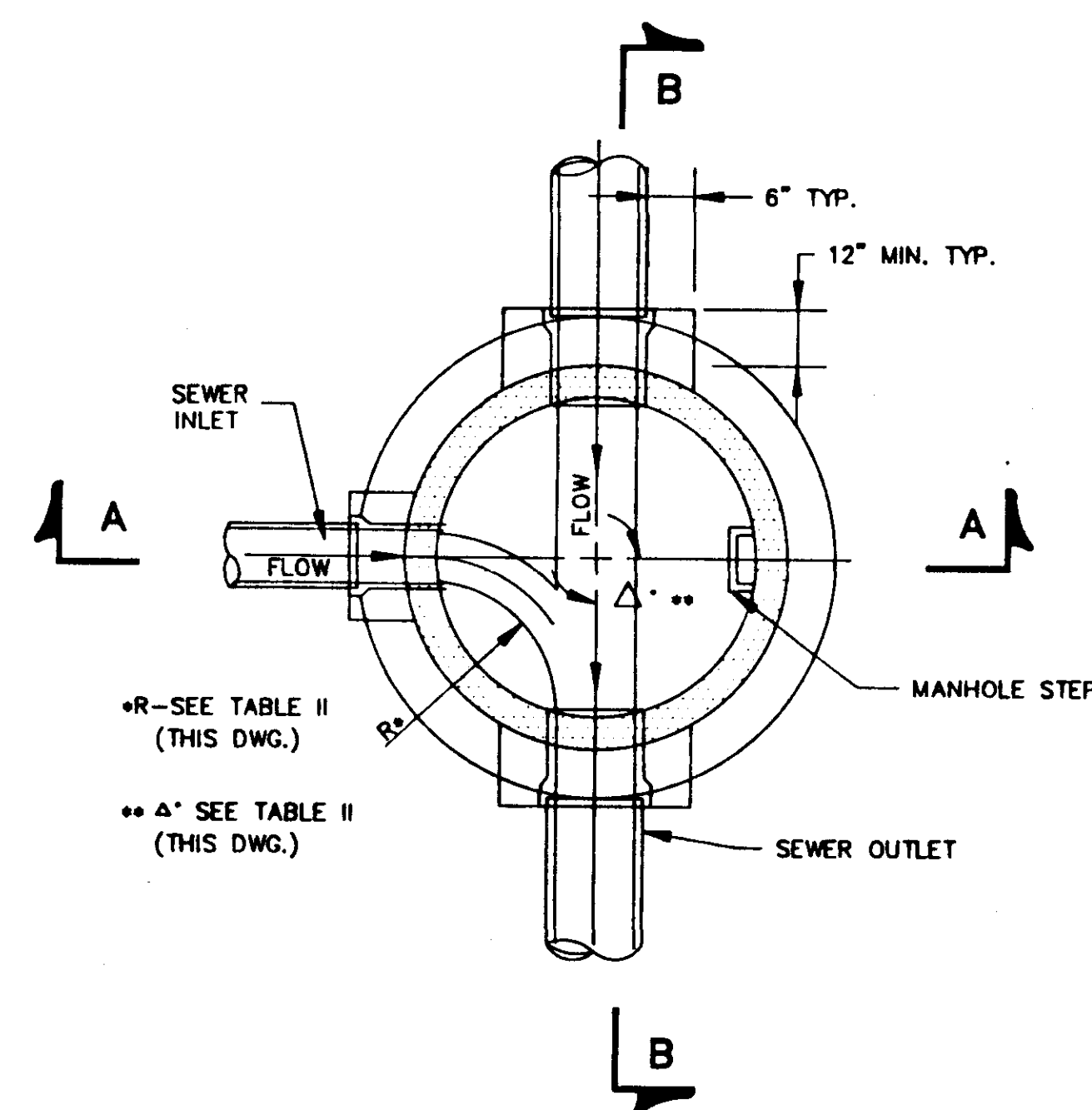
12\"/>



STANDARD ECCENTRIC CONE
FOR ALL DIAMETER MANHOLES

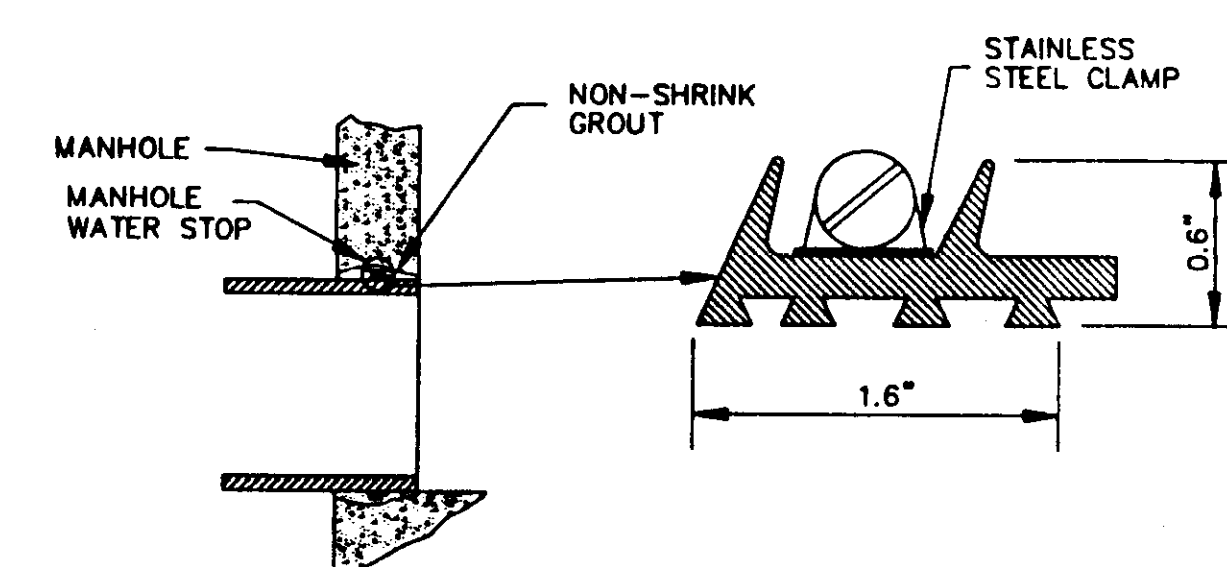
N.T.S.

NOTE:
DETAILS FOR RISER & BASE SECTIONS ARE SAME AS
SHOWN IN SECTIONS A-A B-B.



SECTIONAL PLAN
STANDARD MANHOLE

N.T.S.



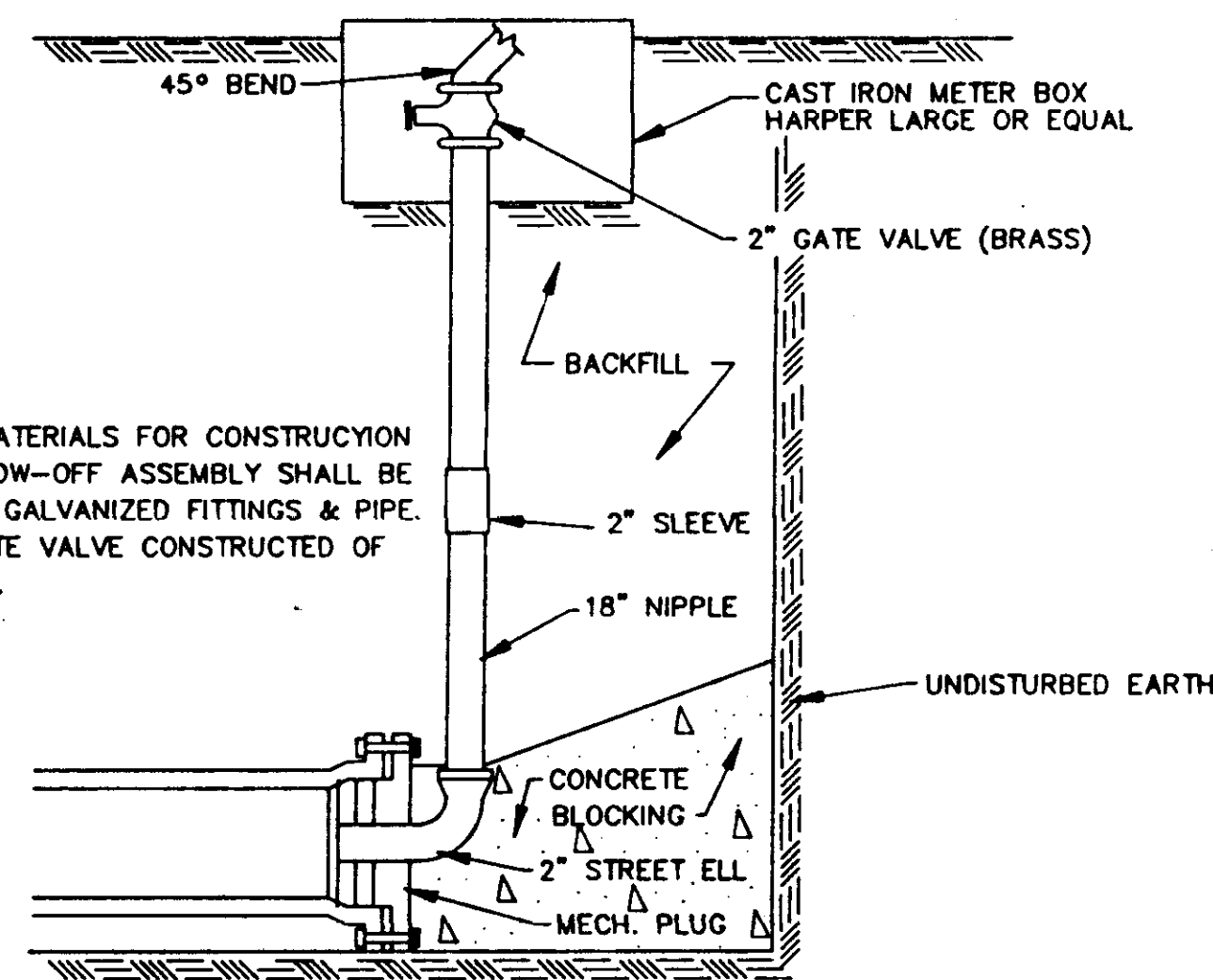
TYPICAL MANHOLE WATER STOP
FOR ABS, CLAY OR PVC PIPE

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

CITY OF RIDGELAND, MS.

STANDARD DETAILS

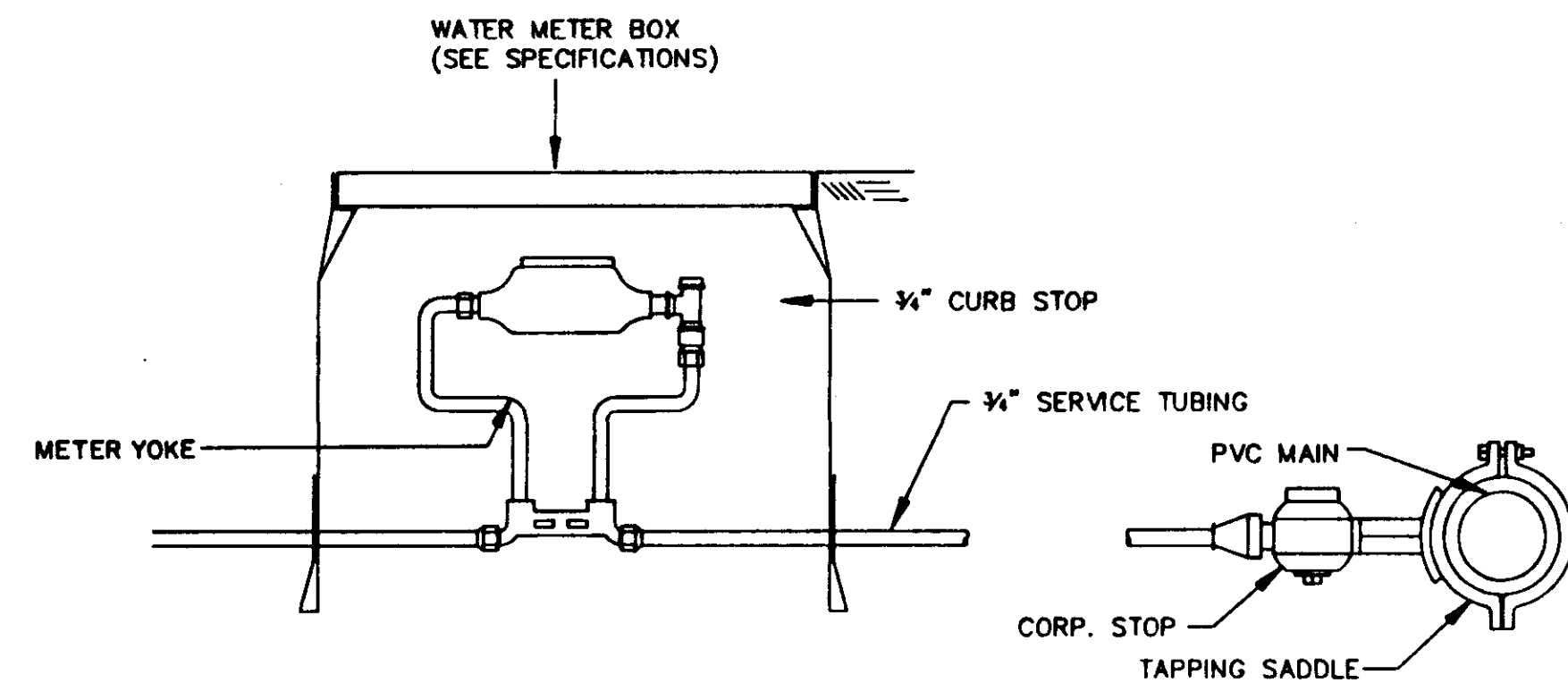
DSGN:		THE CITY OF RIDGELAND	DRAWING NO.
DRWN:			OF
CHKD:			
SCALE:			



NOTE:
ALL MATERIALS FOR CONSTRUCTION OF BLOW-OFF ASSEMBLY SHALL BE OF 2" GALVANIZED FITTINGS & PIPE. 2" GATE VALVE CONSTRUCTED OF BRASS.

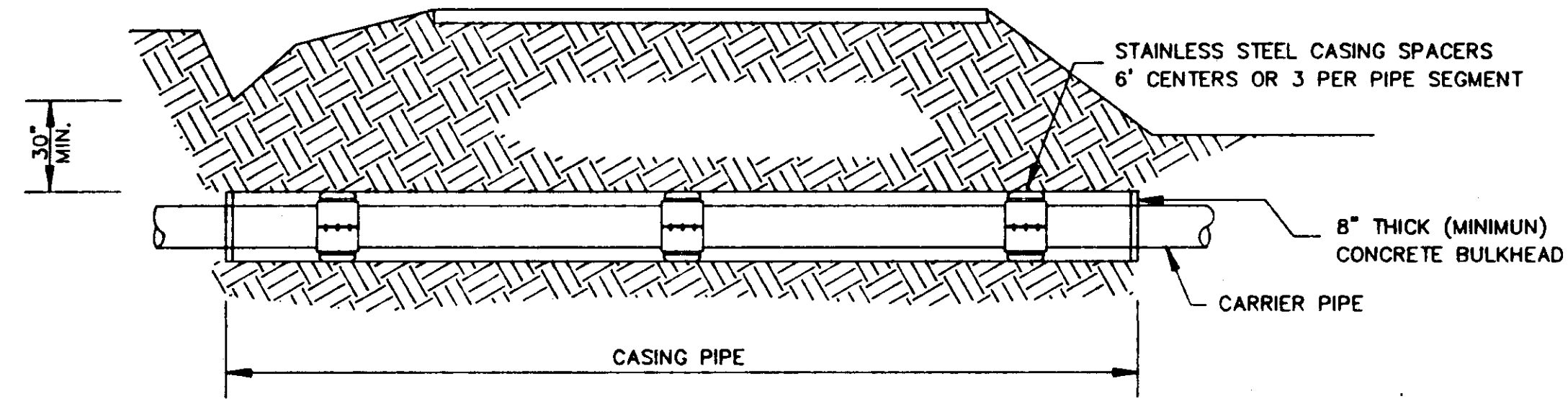
TYPICAL BLOW-OFF ASSEMBLY

N.T.S.



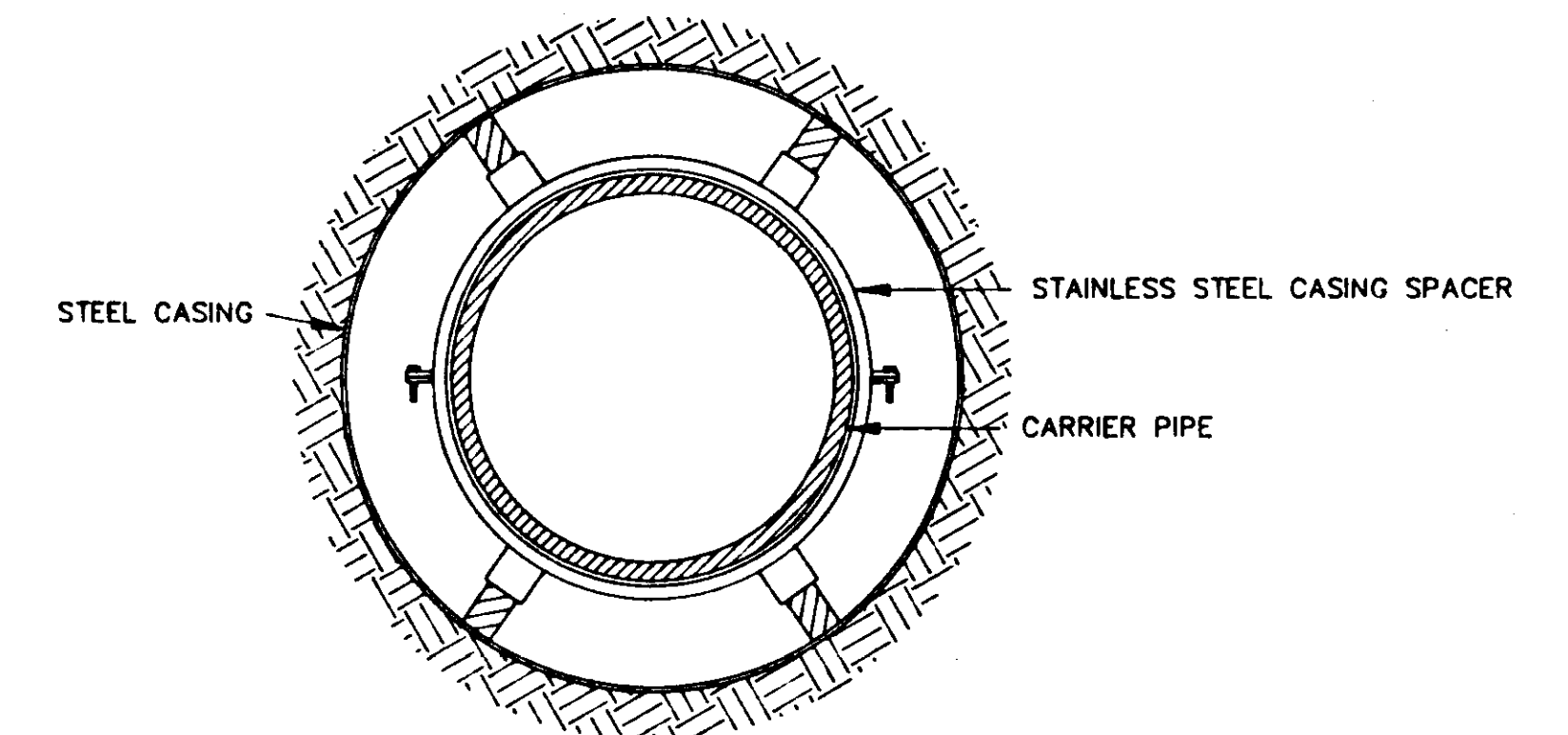
TYPICAL 3/4" WATER SERVICE

N.T.S.



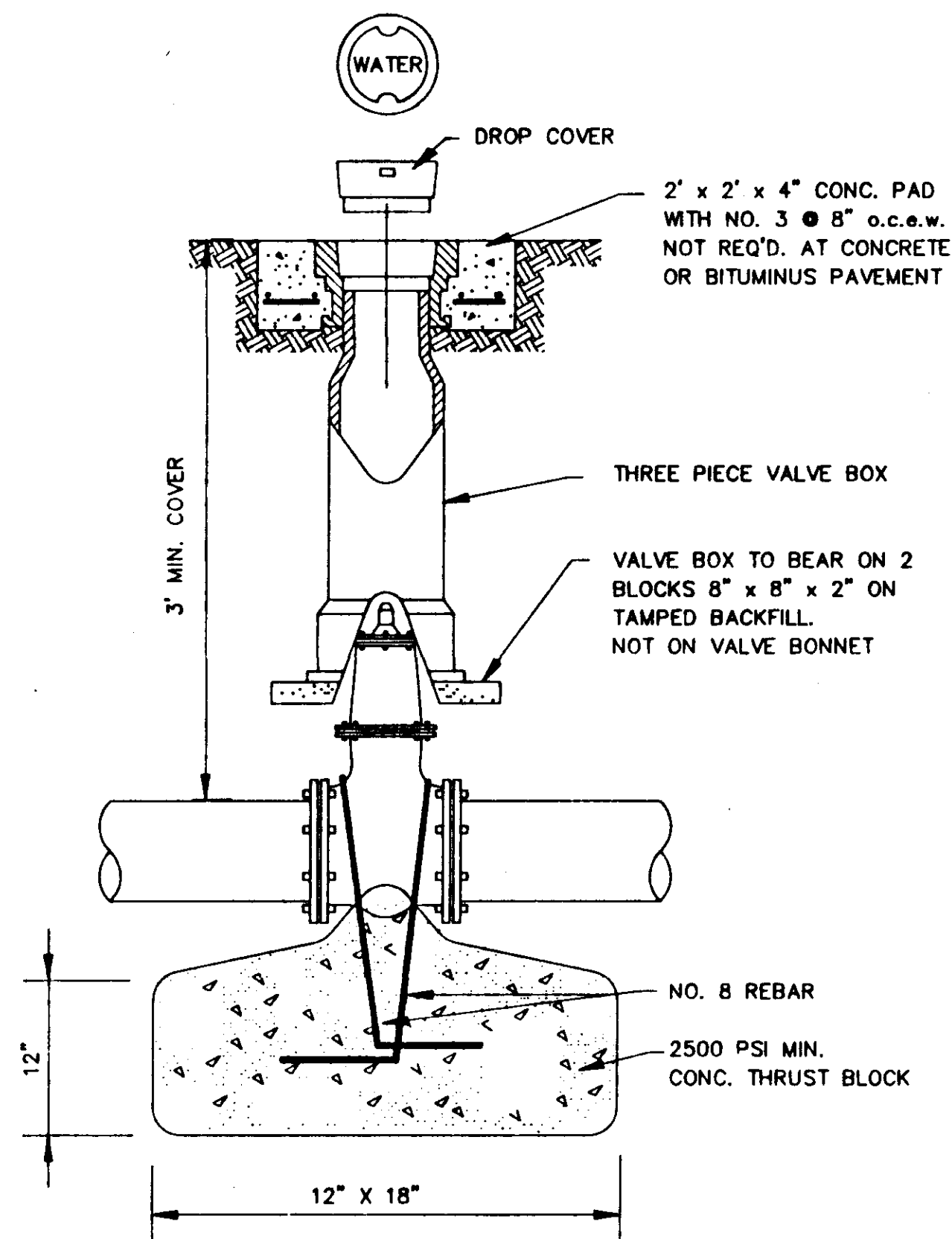
TYPICAL BORE SECTION

N.T.S.



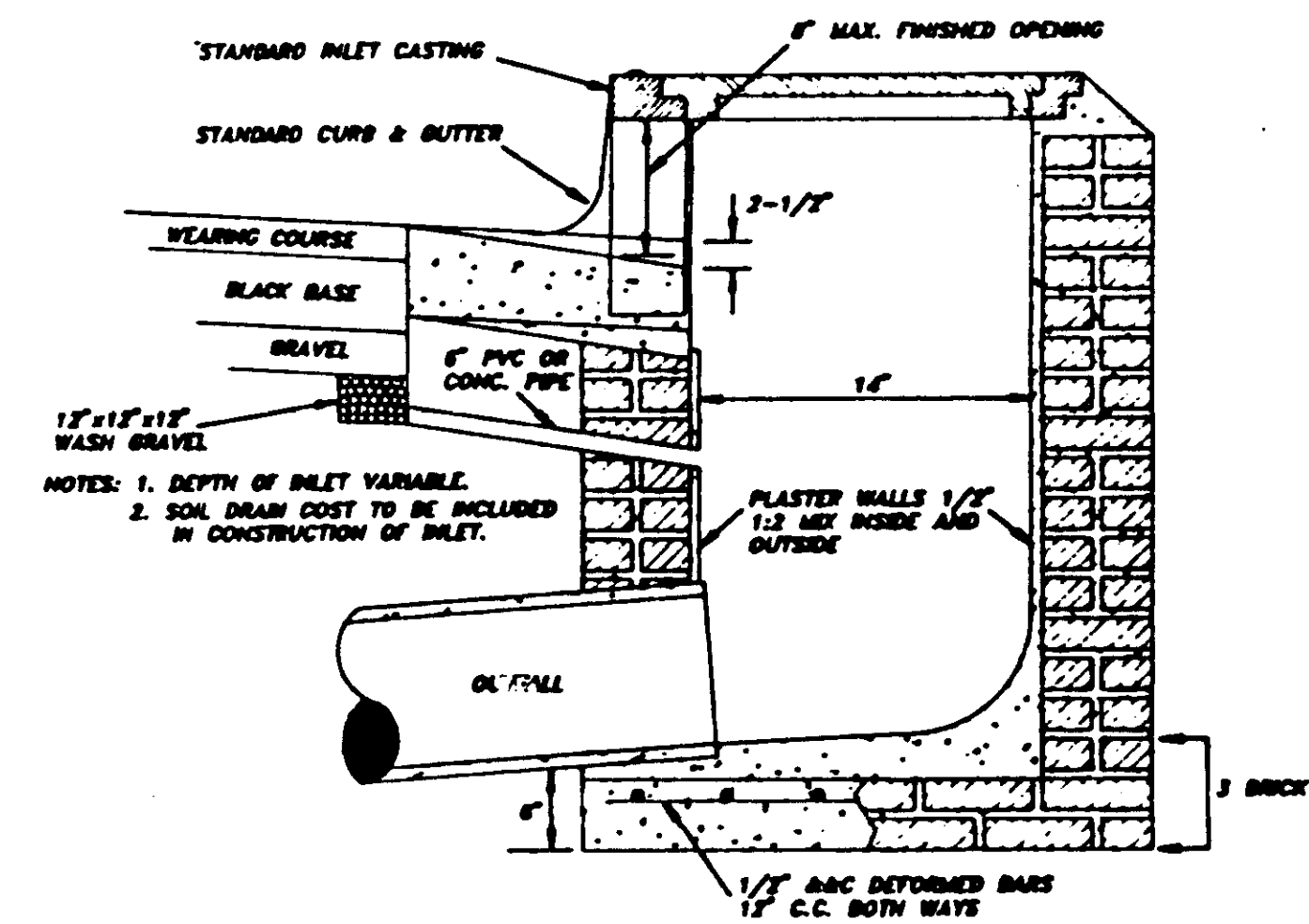
BORE SECTION

N.T.S.



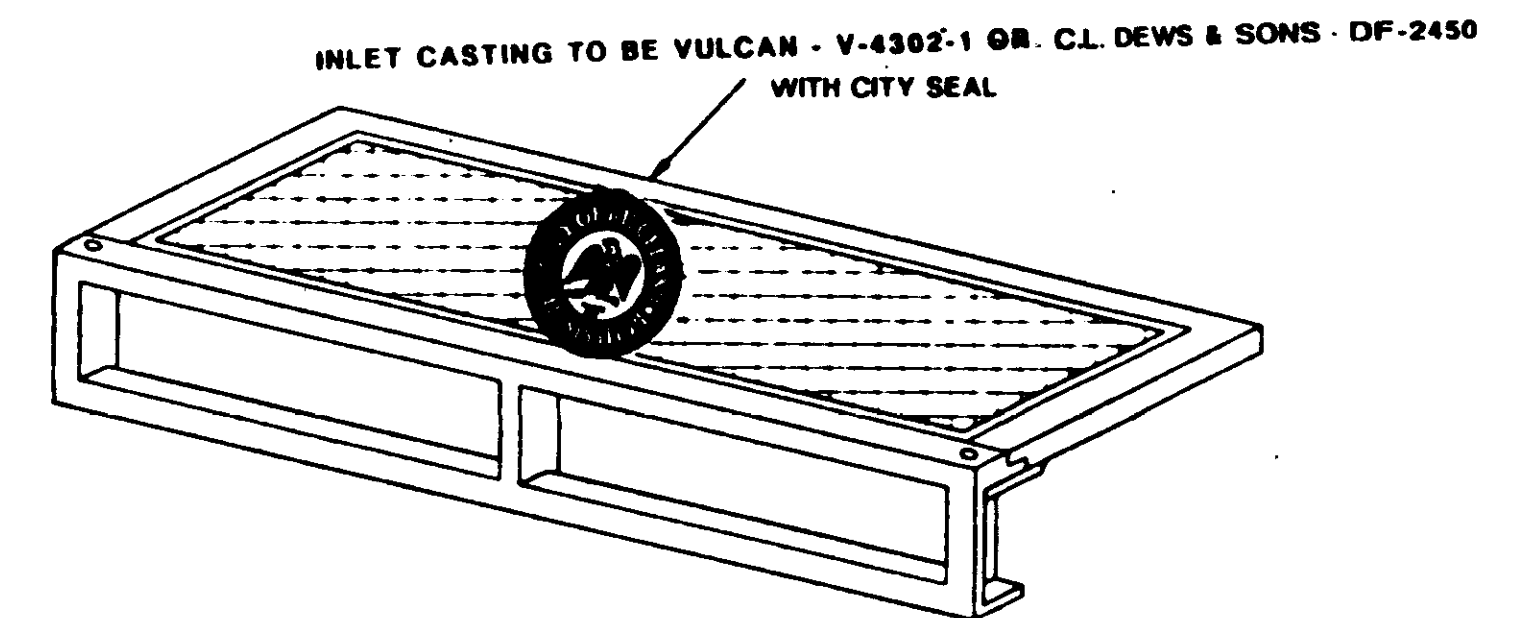
GATE VALVE DETAIL

N.T.S.

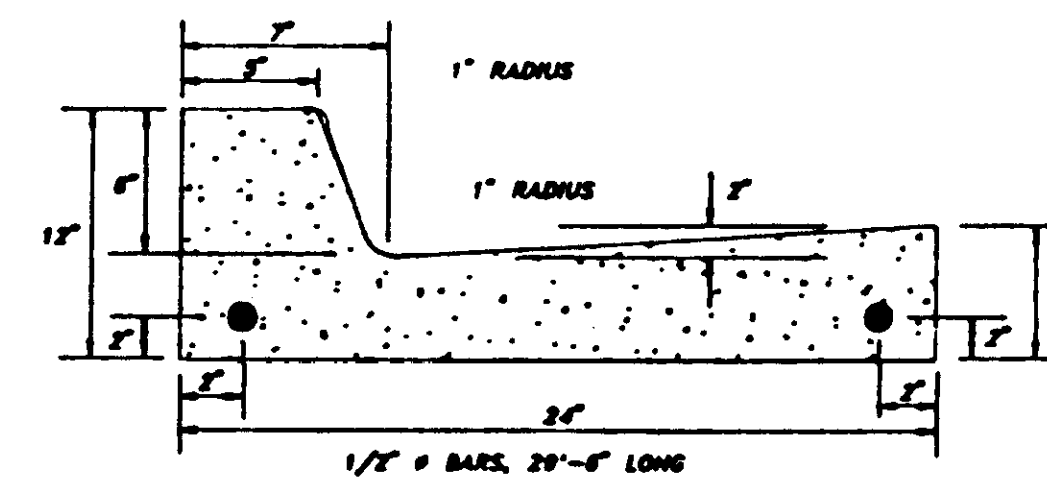


SECTION OF STANDARD CURB INLET

NOTES: 1. DEPTH OF INLET VARIABLE.
2. SOW DRAIN COST TO BE INCLUDED IN CONSTRUCTION OF INLET.



STANDARD CURB INLET CASTING



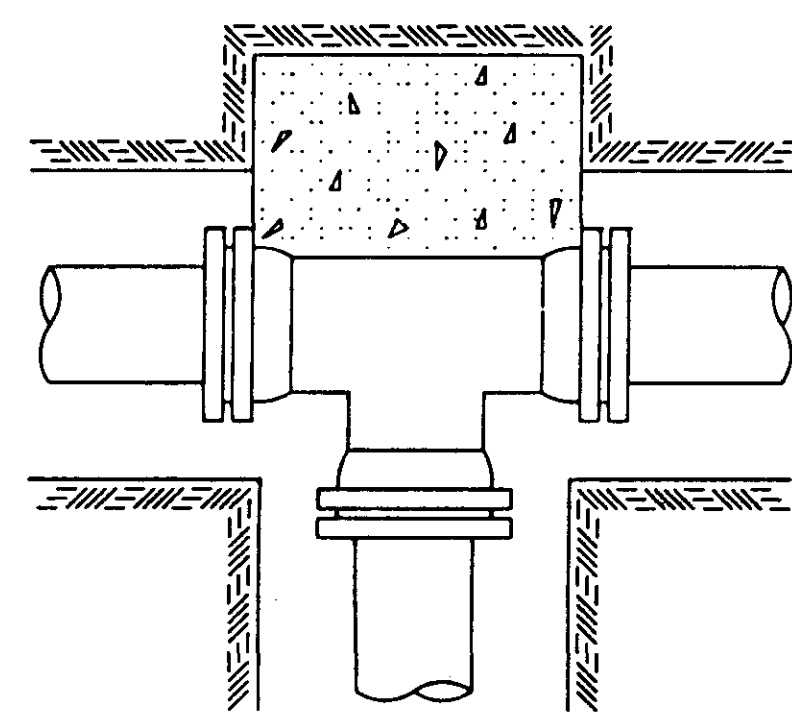
NOTES: 1. ALL CURBS, GUTTERS & DRIVEWAYS TO BE CONSTRUCTED OF 3000 L.B. CONCRETE.
2. 2 - 3/4" DOWEL BARS, 15" LONG REQ'D. AT EXPANSION JOINTS. THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS AND 1/2" EXPANSION MATERIALS.

STANDARD CURB & GUTTER

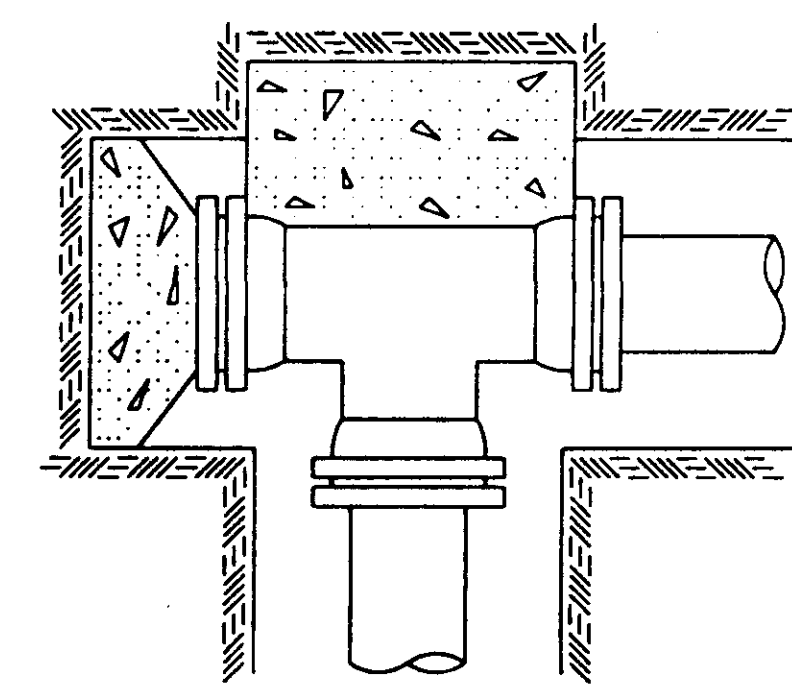
CITY OF RIDGELAND, MS.
STANDARD DETAILS

DSGN:			DRAWING NO.
DRWN:			OF
CHKD:			
SCALE:			

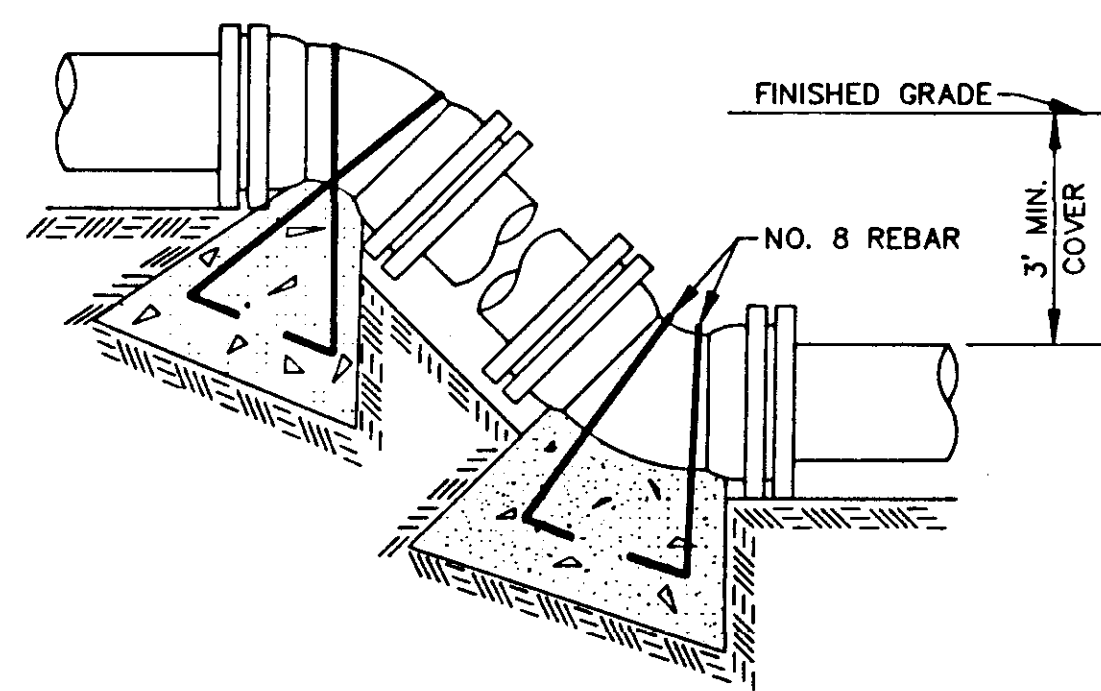
DRAWING 7704, FOUR 12x18s



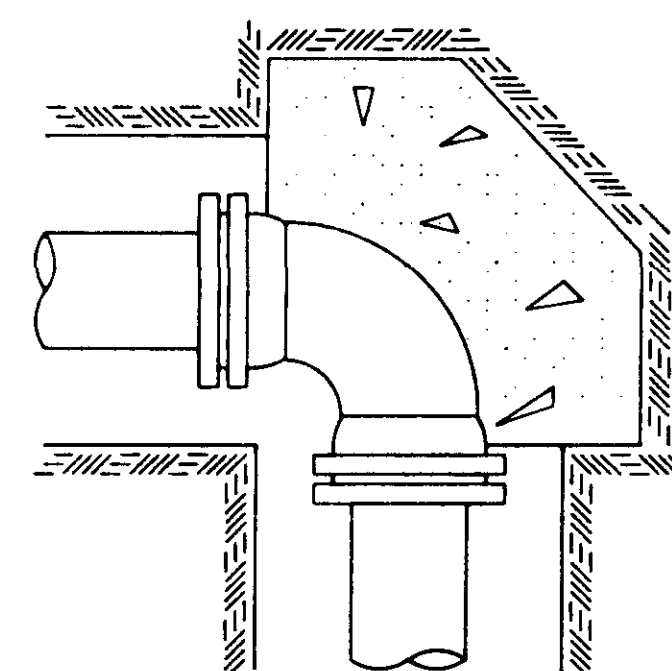
TEE



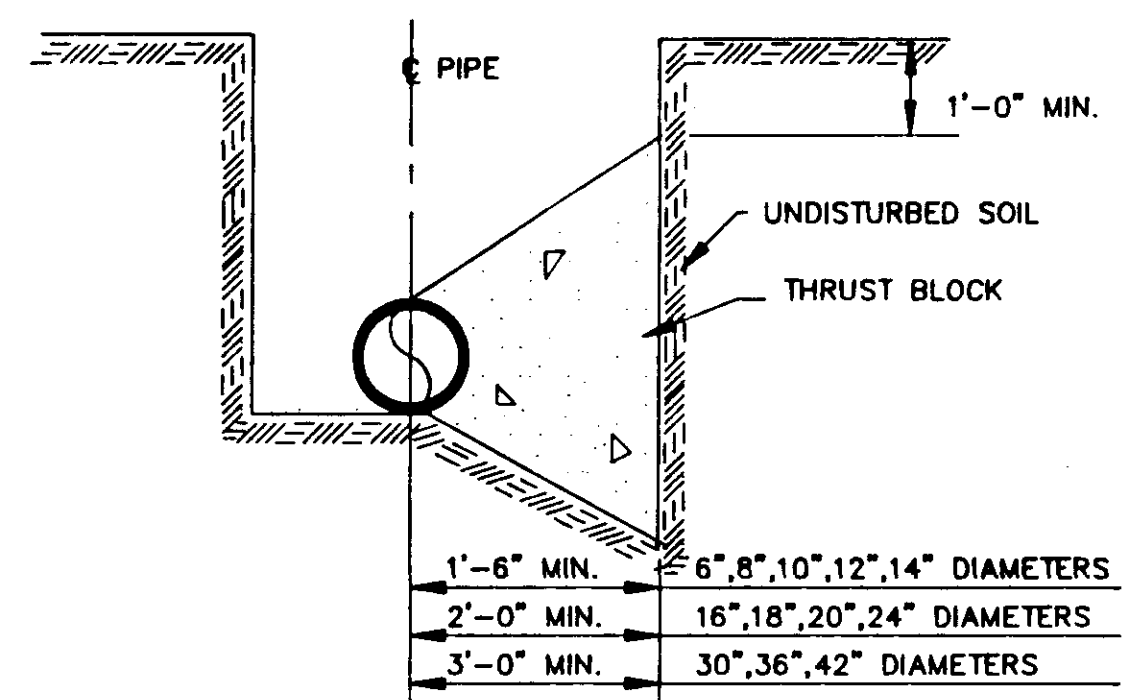
PLUGGED TEE



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

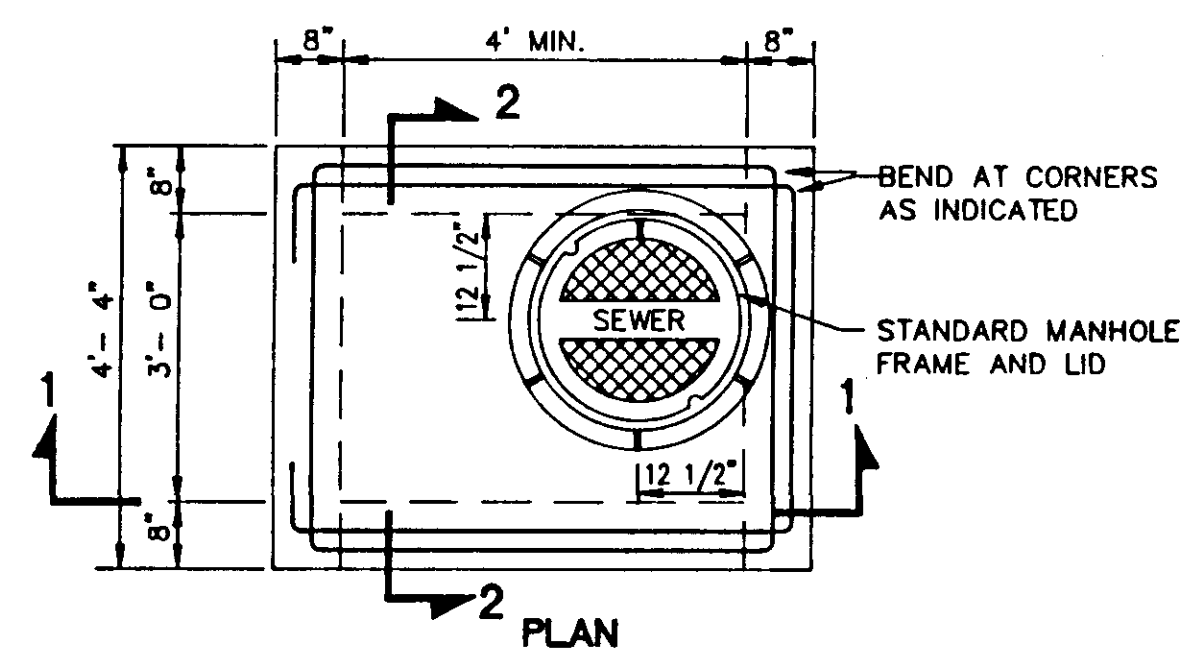
BEARING AREA IN SQ. FT.

BEARING AREA IN SQ. FT.						VERTICAL BENDS					
NOMINAL PIPE DIAMETER (IN)	DEAD-END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND	NOMINAL PIPE DIAMETER (IN)	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)

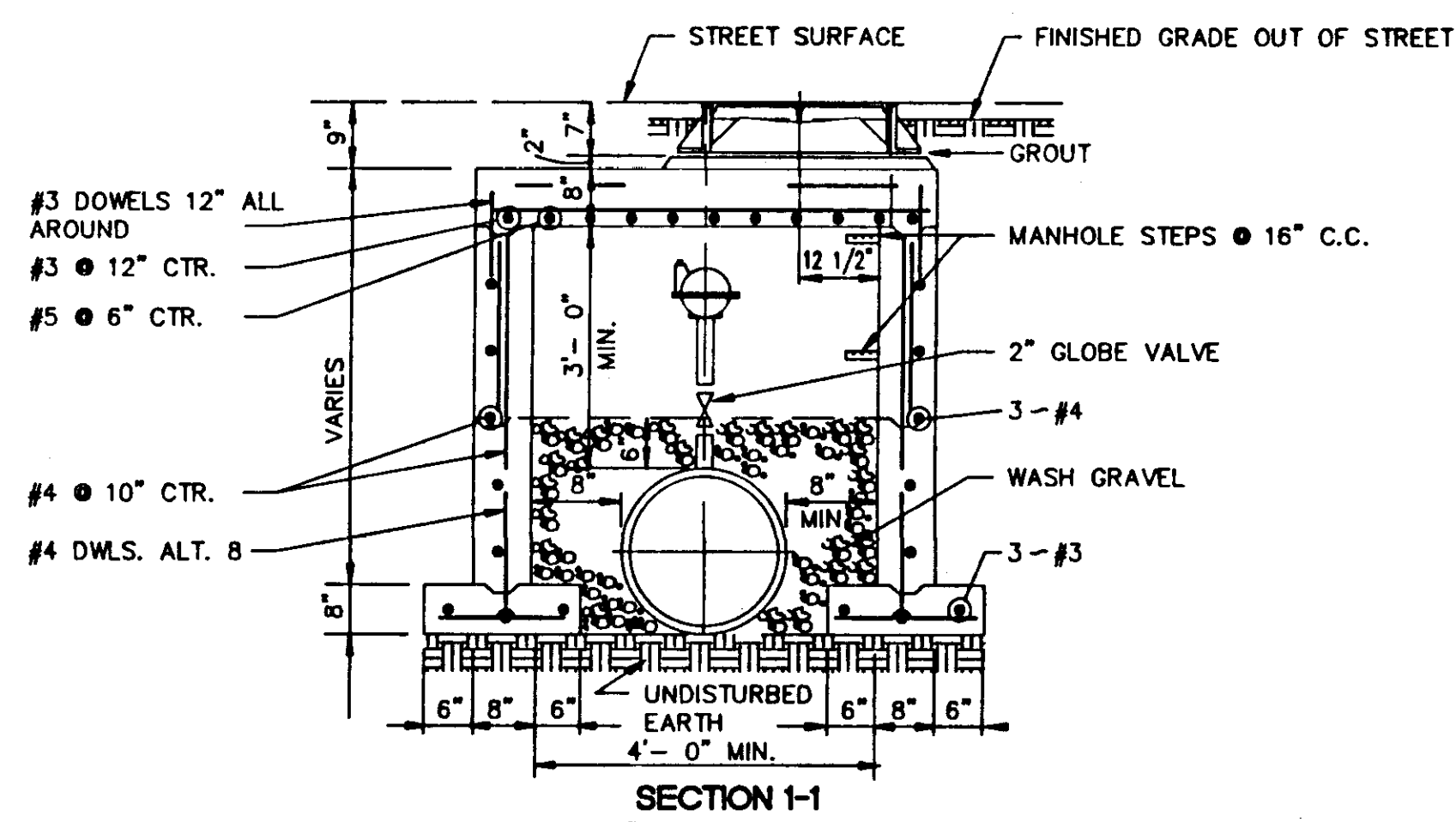
VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT. (CU. YDS.)

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.

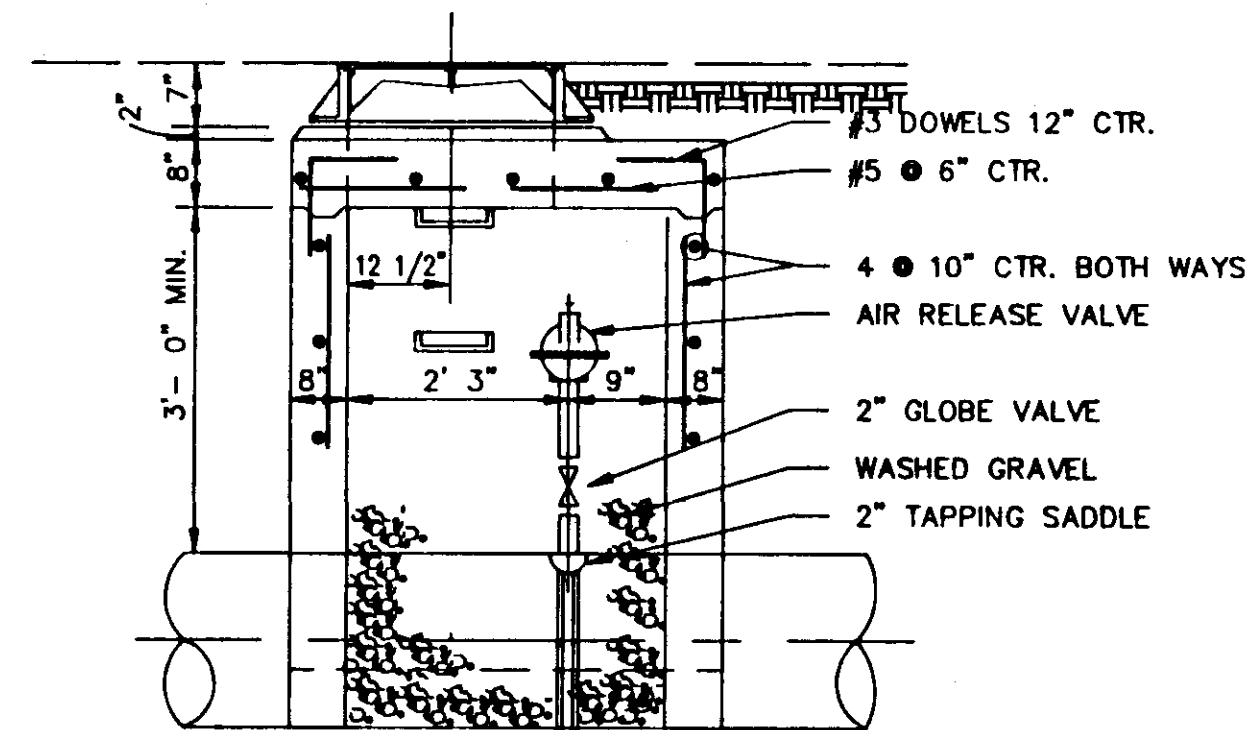
NOTE: ABOVE VALUES REPRESENT THE VOLUME OF BLOCKS INCLUDING SOIL LOAD IN CU.FT. (CU.YDS.) THE VALUES WERE CALCULATED USING A P=100 PSI AND A S.F.=1.5. FOR DIFFERENT P, MULTIPLY VALUES BY P/100.



PLAN



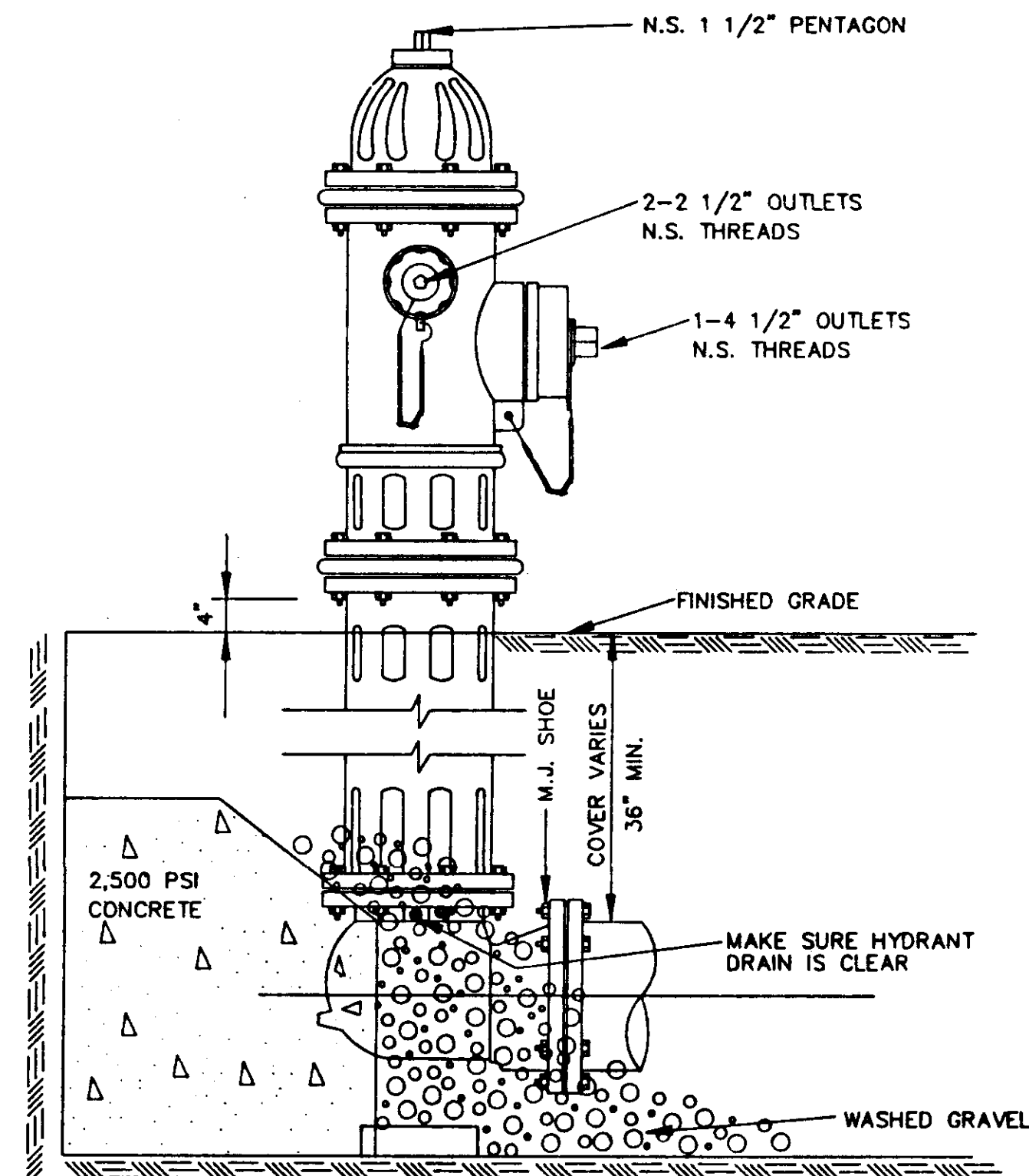
SECTION 1-1



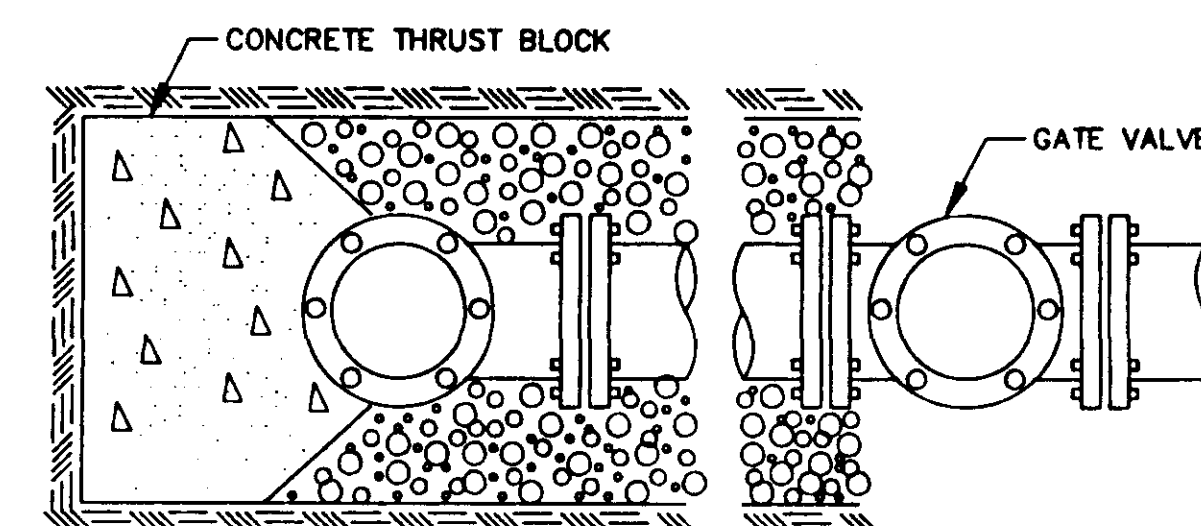
SECTION 2-2

TYPICAL AIR OR AIR VACCUUM RELEASE VALVE INSTALLATION WITH MANHOLE

NOT TO SCALE



ELEVATION

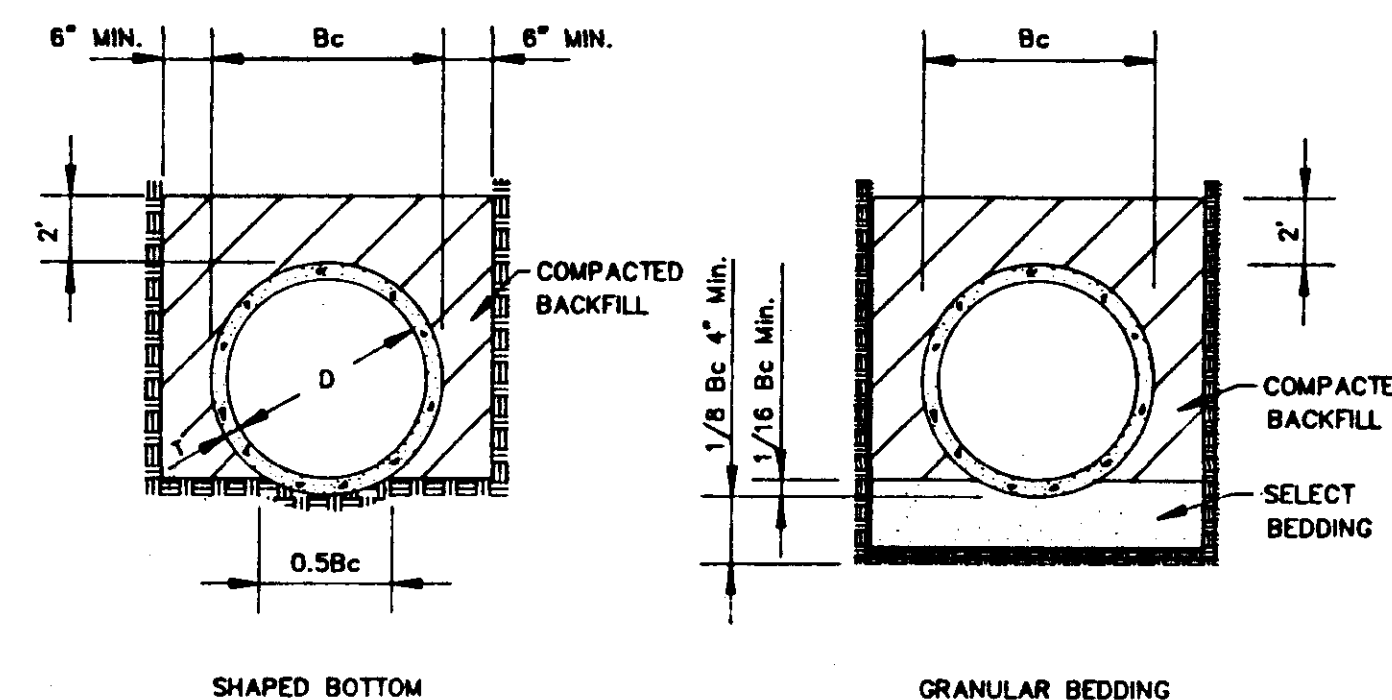


PLAN

TYPICAL FIRE HYDRANT INSTALLATION

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

ANCHOR COUPLINGS REQ'D.



TYPICAL TRENCH DETAILS

N.T.S.

CITY OF RIDGELAND, MS.

STANDARD DETAILS

DSGN:			DRAWING NO.
DRWN:			OF
CHKD:			
SCALE:			