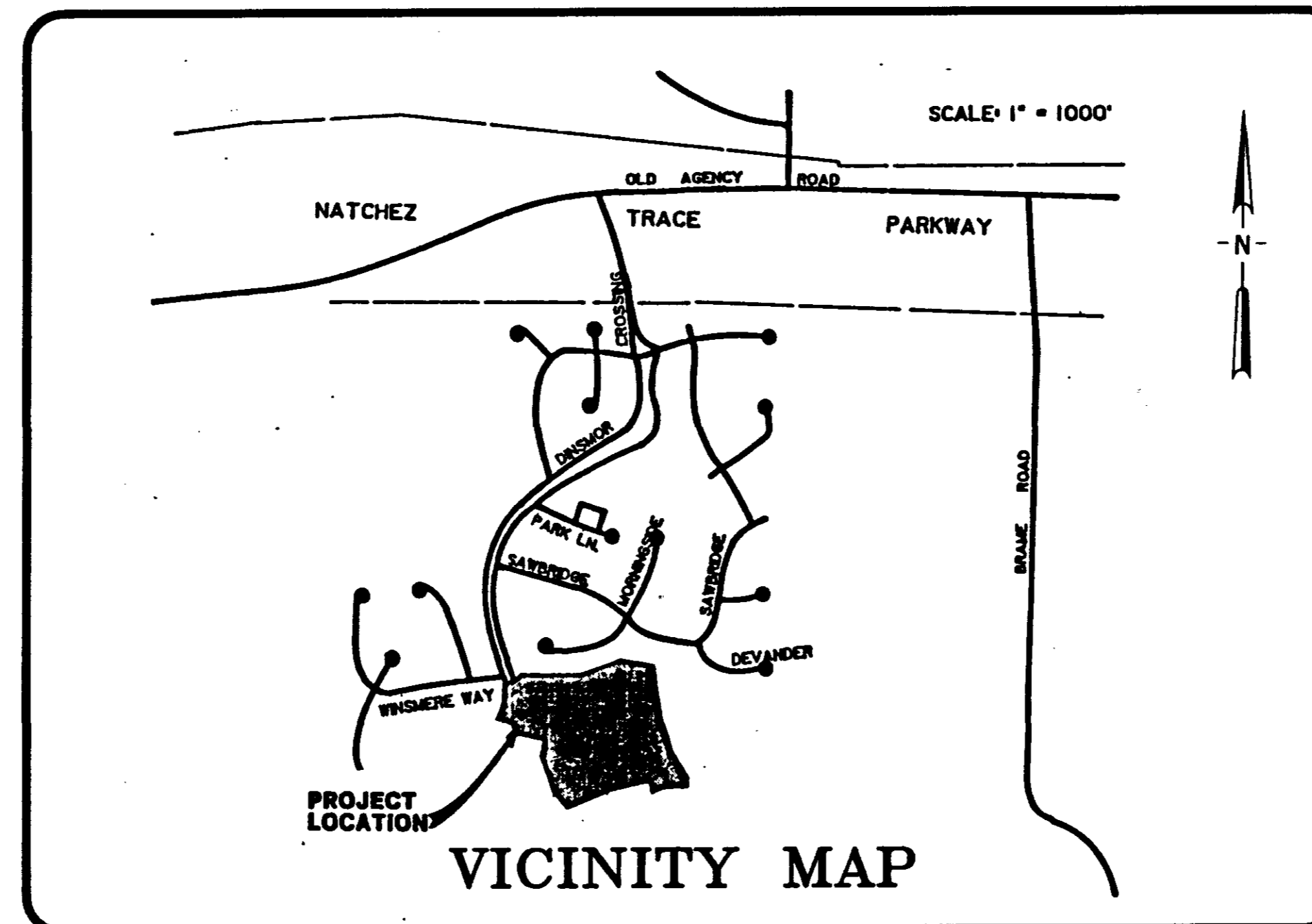
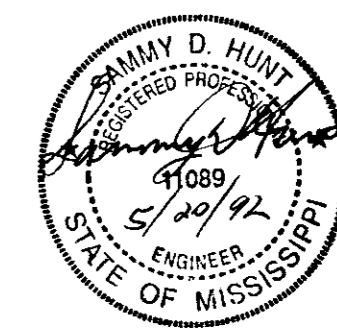


CONSTRUCTION PLANS FOR PHASE SEVEN OF DINSMOR

DEVELOPED BY:
S.M.C.D.C., INC.
GENERAL PARTNERSHIP
805 SOUTH WHEATLEY STREET
RIDGELAND, MISSISSIPPI

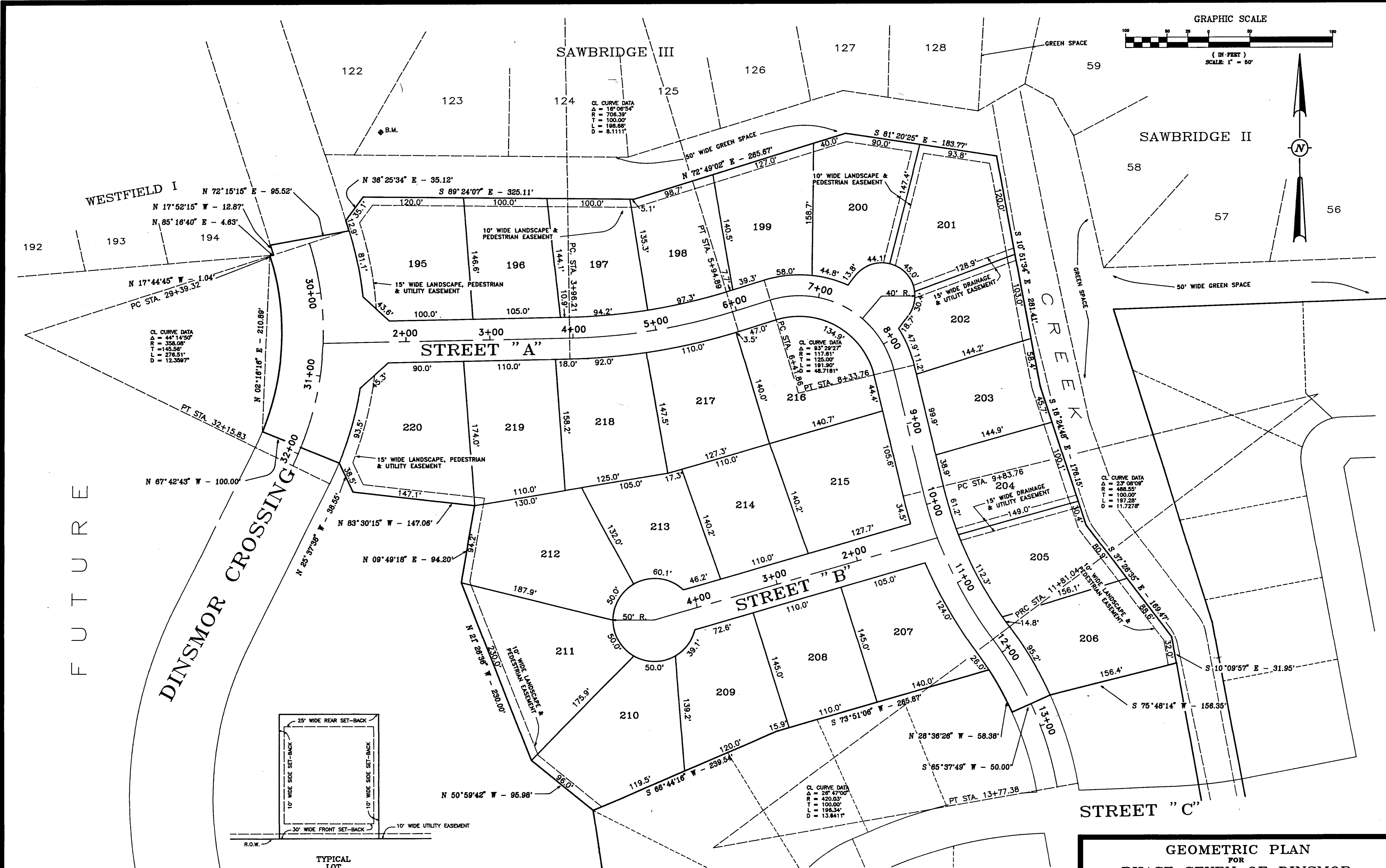
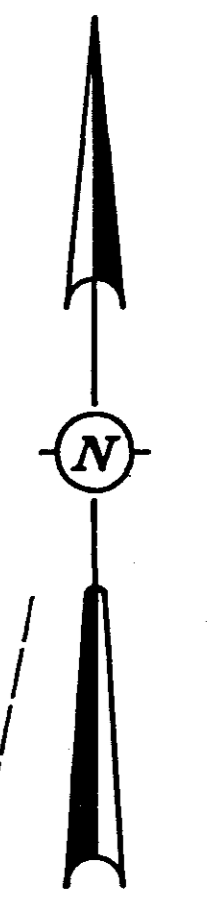
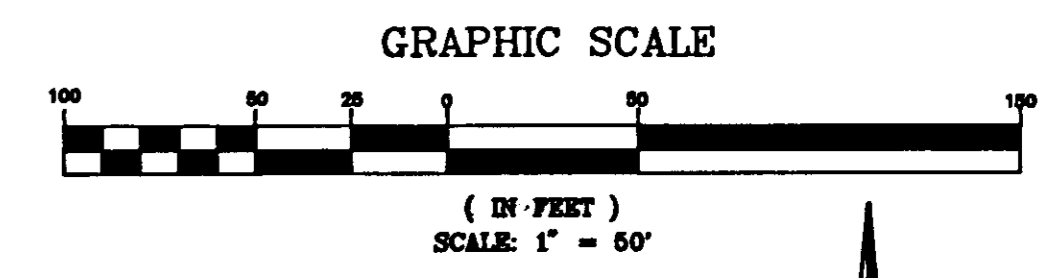


AS BUILT



PREPARED BY:
REYNOLDS ENGINEERING, INC.
POST OFFICE BOX 526
JACKSON, MISSISSIPPI 39205
(601) 362-4885

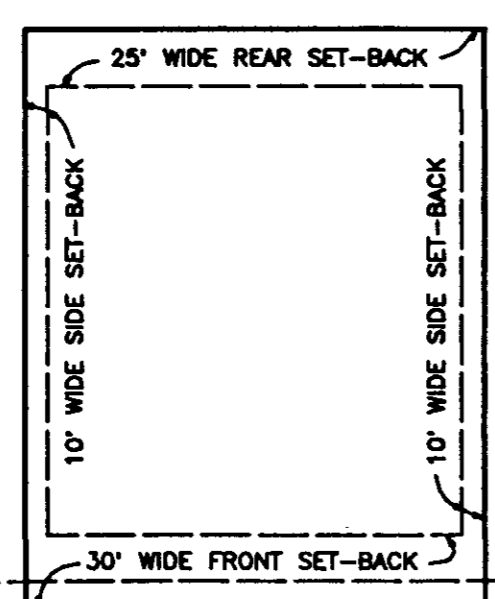
PWP-00400



FUTURE

DINSMOR CROSSING

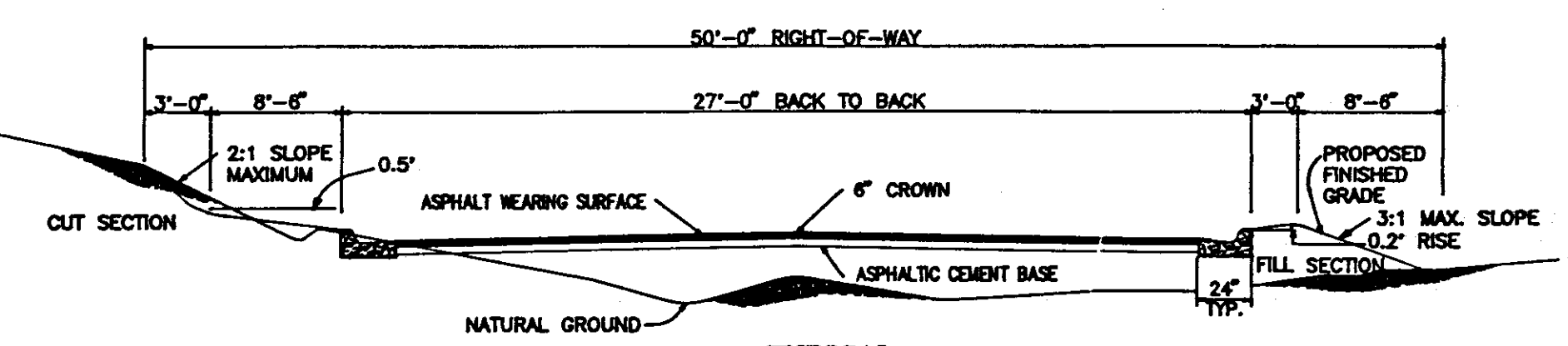
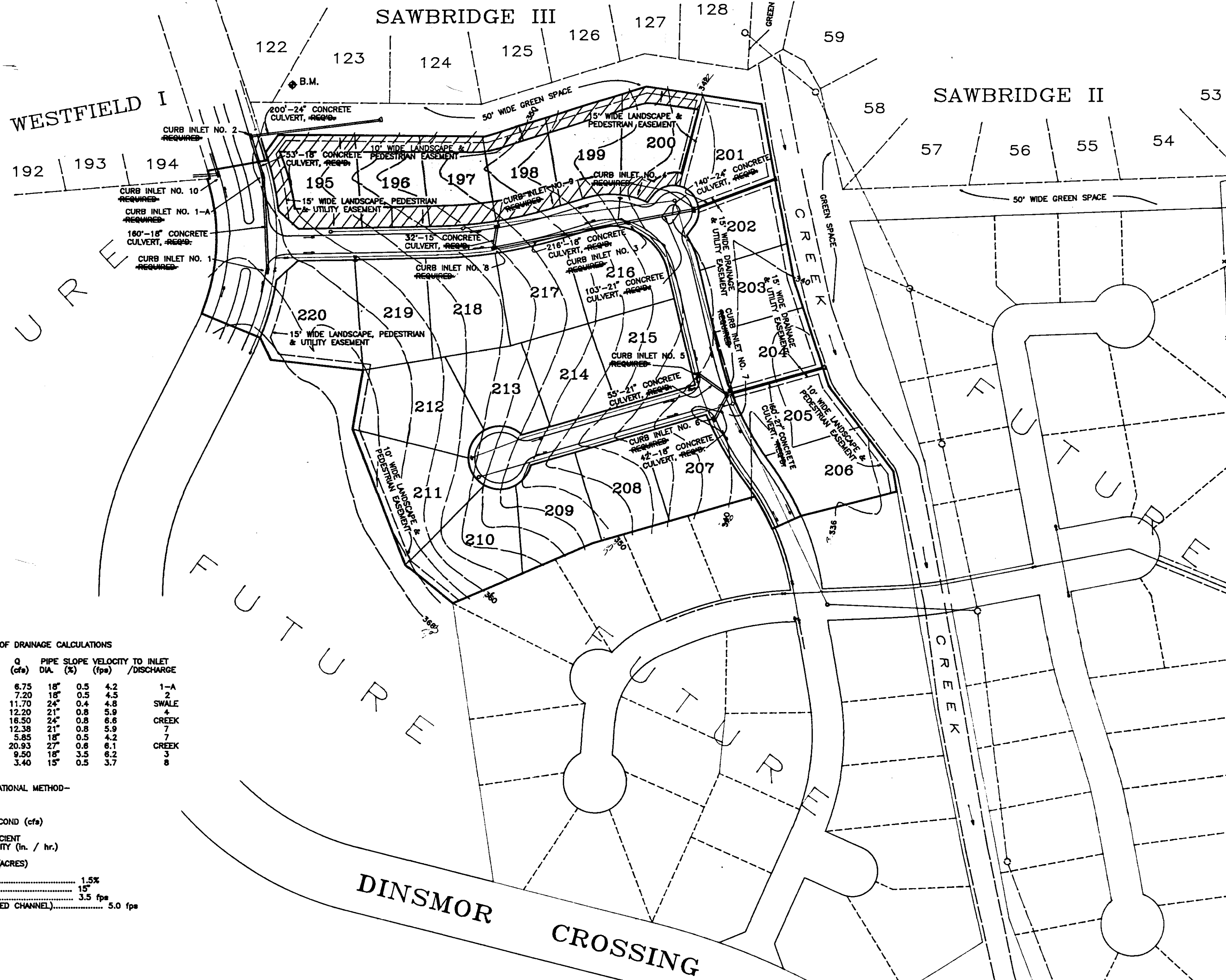
CREEK



**GEOMETRIC PLAN
FOR
PHASE SEVEN OF DINSMOR**

REYNOLDS ENGINEERING, INC.
 POST OFFICE BOX 528
 JACKSON, MISSISSIPPI 39205

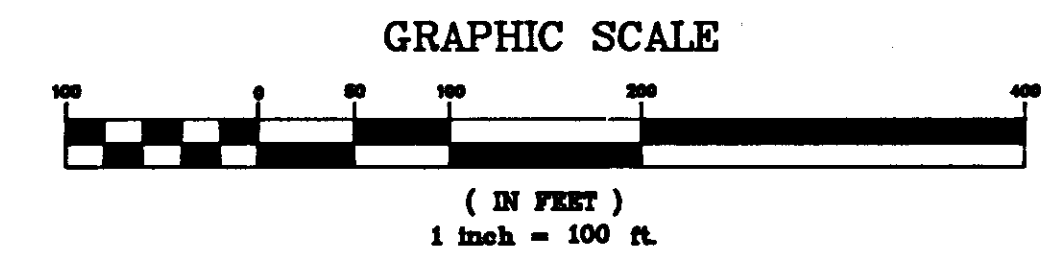
DATE: 7-19-91 SCALE: 1" = 50' DRAWN BY: B.C.B. FILE NO. 91034-GH JOB NO. 91-034



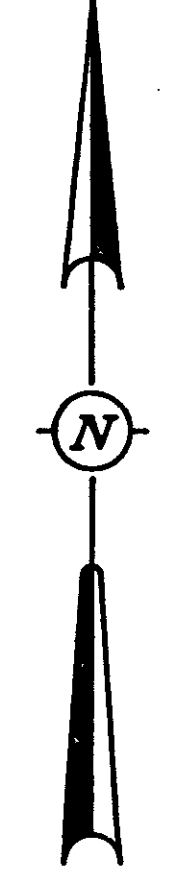
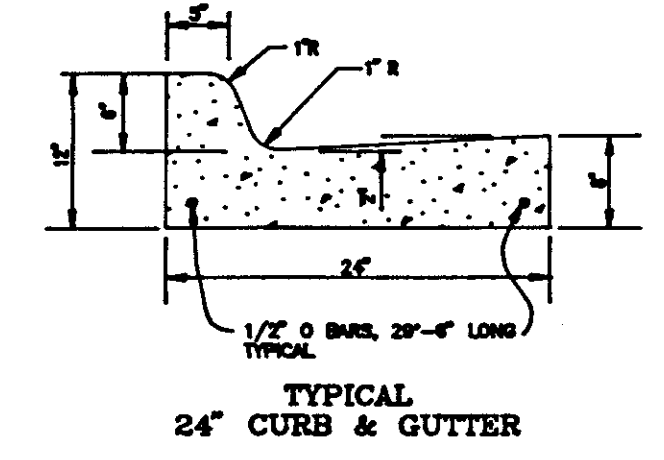
TYPICAL STREET SECTION

ALTERNATE NO. 1
 1 1/2" WEARING SURFACE
 3" ASPHALTIC CEMENT BASE

ALTERNATE NO. 2
 1 1/2" WEARING SURFACE
 3" ASPHALTIC CEMENT BASE
 6" SOIL TREATMENT (L&E)



- NOTES:**
- 1/2" Expansion Joint Spacing @ 30' o.c.
 - 3/4" Dashed Bars, 12" Long Spaced At All Expansion Joints. They Shall Be Held In Place By Approved Chairs Or Supports, & 1/2" Expansion Material: 1/2" Concrete Joint Spacing @ 12' o.c.
 - All Curb And Gutter And Inlets To Be Constructed Of 12-6 M&C Concrete.



SUMMARY OF DRAINAGE CALCULATIONS

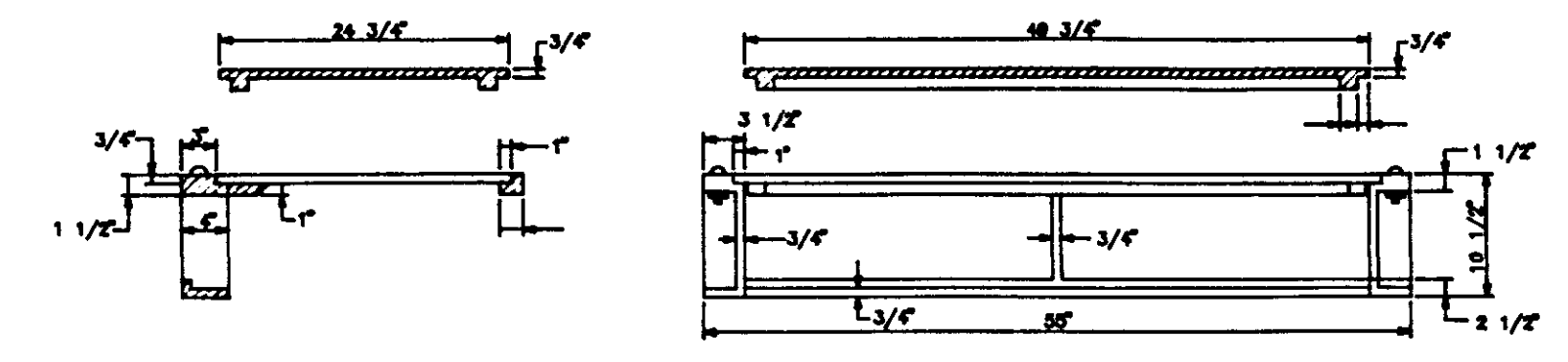
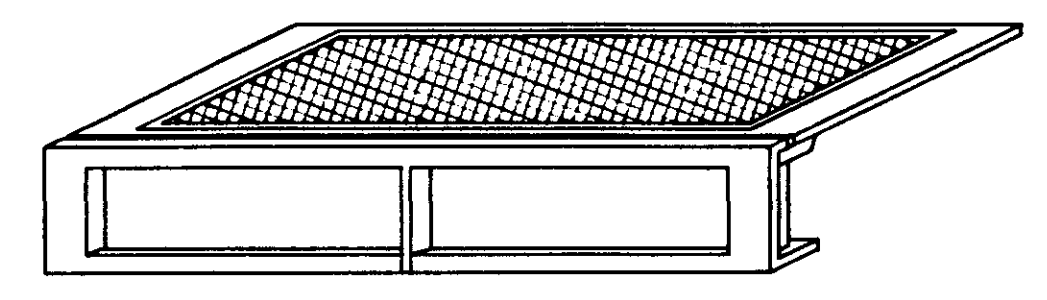
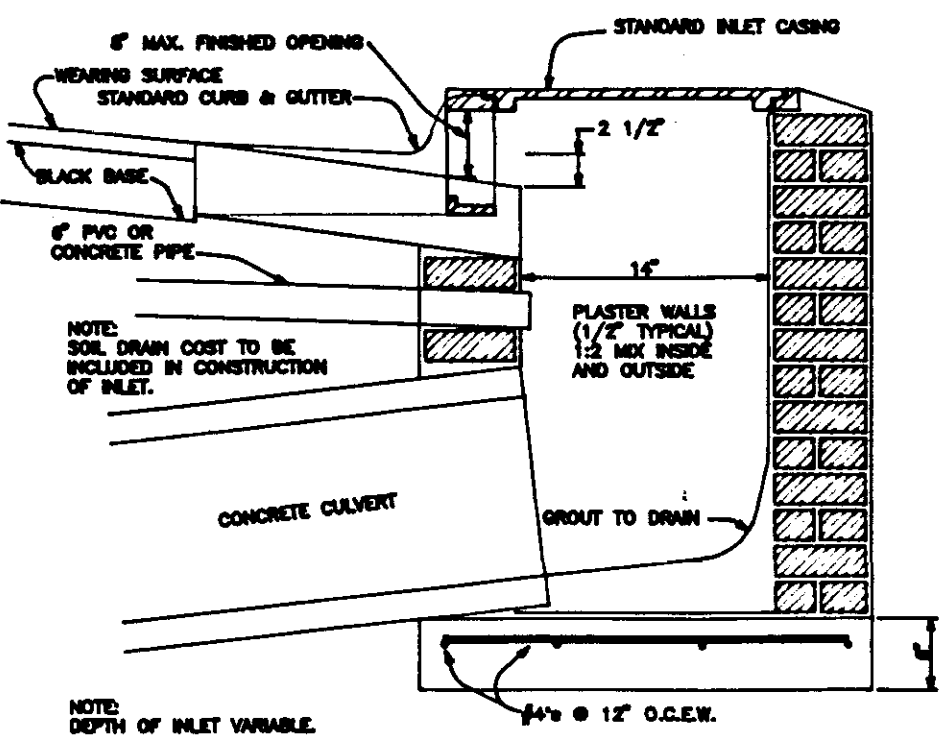
INLET NO.	DRAINAGE AREA (cfs)	Q (cfs)	PIPE DIA. (in.)	PIPE SLOPE (%)	VELOCITY (fps)	TO INLET / DISCHARGE
1	1.50 Ac. ±	6.75	18"	0.5	4.2	1-A
1-A	1.60 Ac. ±	7.20	18"	0.5	4.3	2
2	2.00 Ac. ±	11.70	24"	0.4	4.8	SWALE
3	2.71 Ac. ±	12.20	21"	0.8	5.9	4
4	3.57 Ac. ±	16.50	24"	0.8	6.8	CREEK
5	2.75 Ac. ±	12.38	21"	0.8	5.9	7
6	1.30 Ac. ±	5.85	18"	0.5	4.2	CREEK
7	4.85 Ac. ±	20.93	27"	0.8	6.1	3
8	2.10 Ac. ±	9.50	18"	3.5	6.2	8
9	0.75 Ac. ±	3.40	15"	0.5	3.7	8

DESIGN CRITERIA - RATIONAL METHOD -

Q = CIA
 C = (0.75)(6.0)(D.A.)
 I = RAINFALL INTENSITY (in. / hr.)
 A = DRAINAGE AREA (ACRES)

C = RUNOFF COEFFICIENT
 I = RAINFALL INTENSITY (in. / hr.)
 A = DRAINAGE AREA (ACRES)

MAXIMUM DESIGN SLOPE: 1.5%
 MINIMUM PIPE DIAMETER: 15"
 MINIMUM VELOCITY (RCP): 3.5 fps
 MAXIMUM VELOCITY (UNLINED CHANNEL): 5.0 fps



SECTION OF STANDARD CURB INLET

STANDARD CURB INLET CASTING (VULCAN RCB-7)

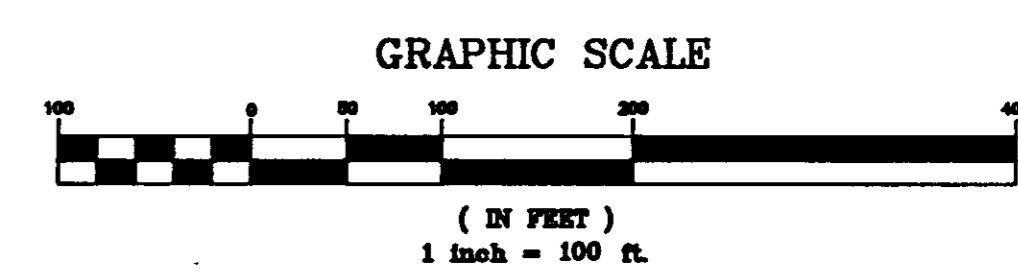
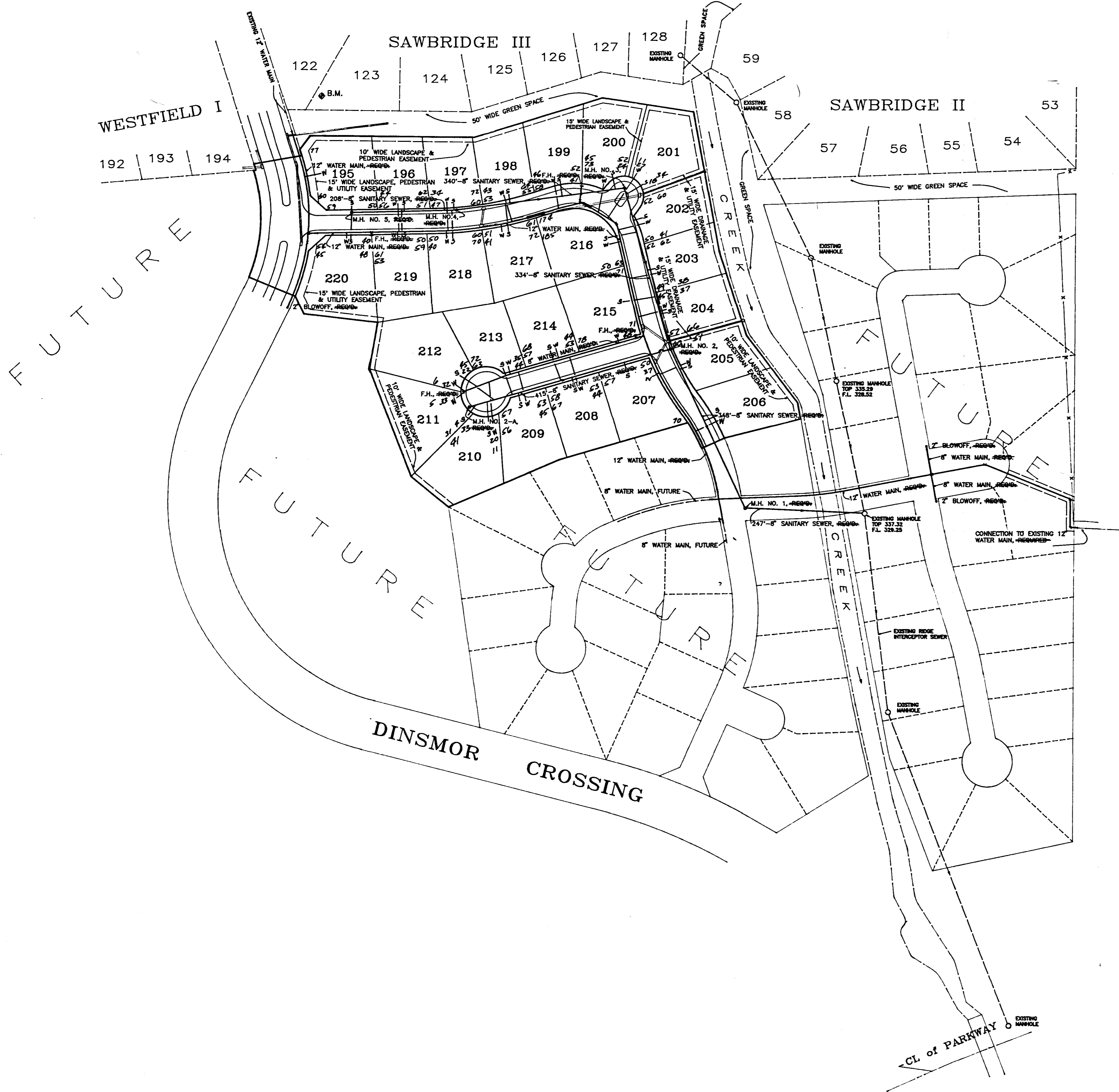
TYPICAL CURB INLET DETAILS

N.T.S.

DRAINAGE PLAN
 FOR
PHASE SEVEN OF DINSMOR

REYNOLDS ENGINEERING, INC.
 POST OFFICE BOX 526
 JACKSON, MISSISSIPPI 39205

DATE: 7-10-91 SCALE: 1" = 100' DRAWN BY: B.C.B. FILE: 91034STM JOB NO. 91-034



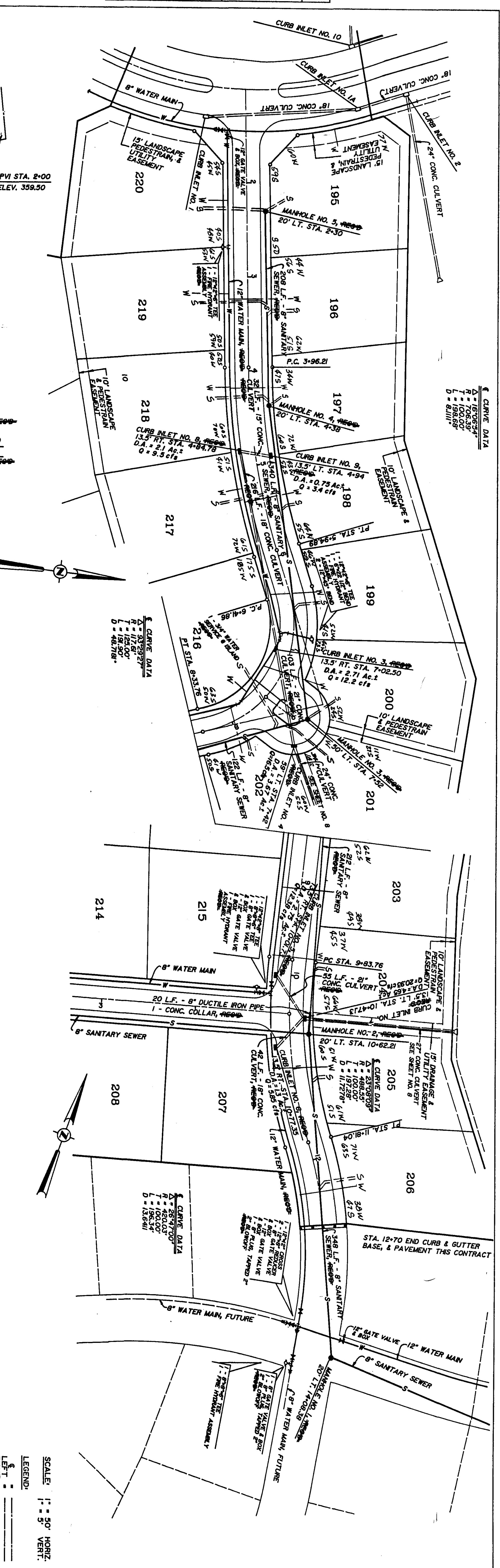
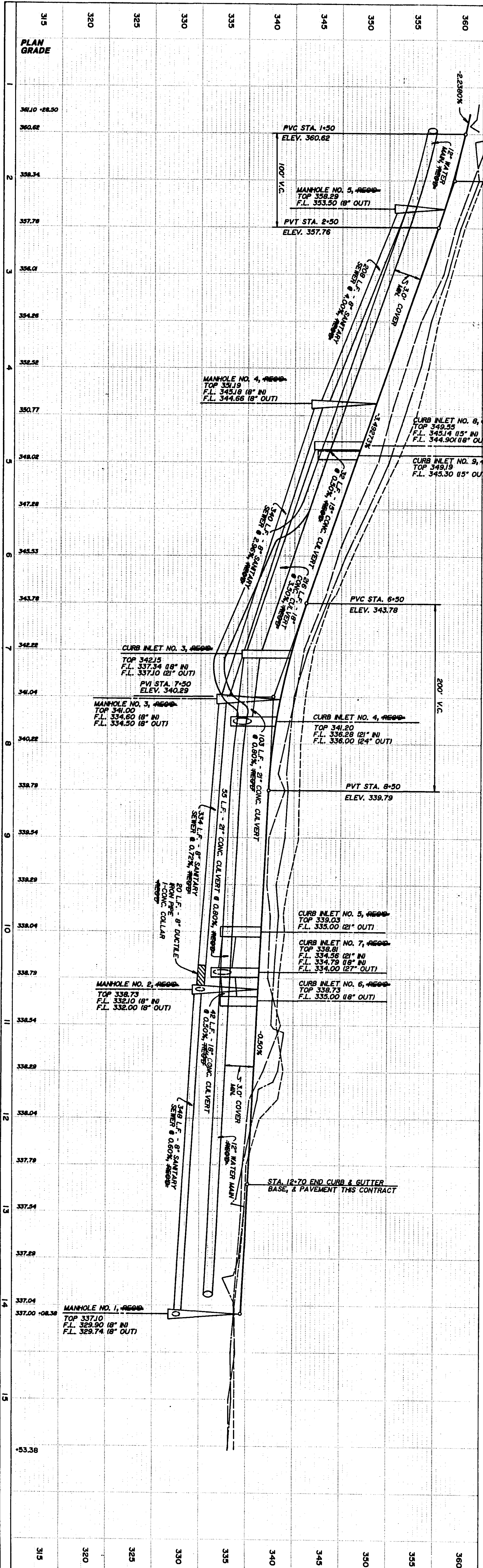
SANITARY SEWER & WATER DISTRIBUTION PLAN
FOR
PHASE SEVEN OF DINSMOR

REYNOLDS ENGINEERING, INC.
POST OFFICE BOX 526
JACKSON, MISSISSIPPI 39205

DATE: 7-19-91 SCALE: 1" = 100' DRAWN BY: B.C.B. FILE: 91034-SP JOB NO. 91-034

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
BY H. H. HODGSON			
STRUCTURE NOT AT HIS CH'KD			

PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT OF WAY CHECKED			



PHASE SEVEN OF DINSMOR STREET "A" STA. 1+00 TO STA. 12+70 91-034

SCALE: 1" = 50' HORIZ. 1" = 5' VERT.
 LEGEND:
 LEFT
 RIGHT

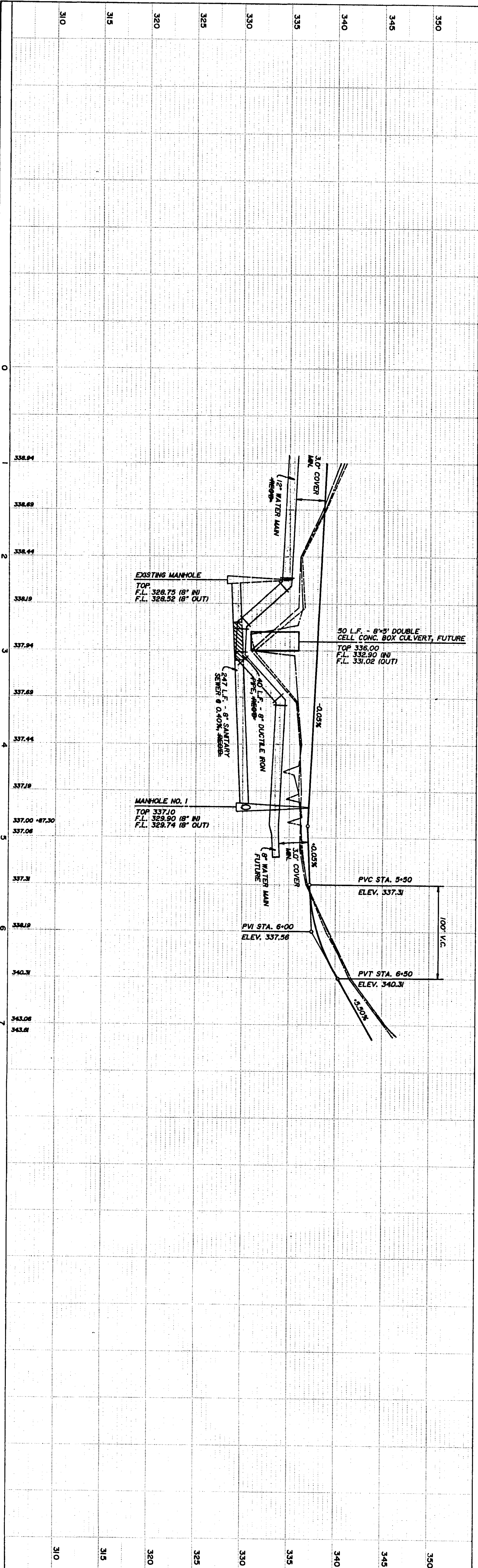
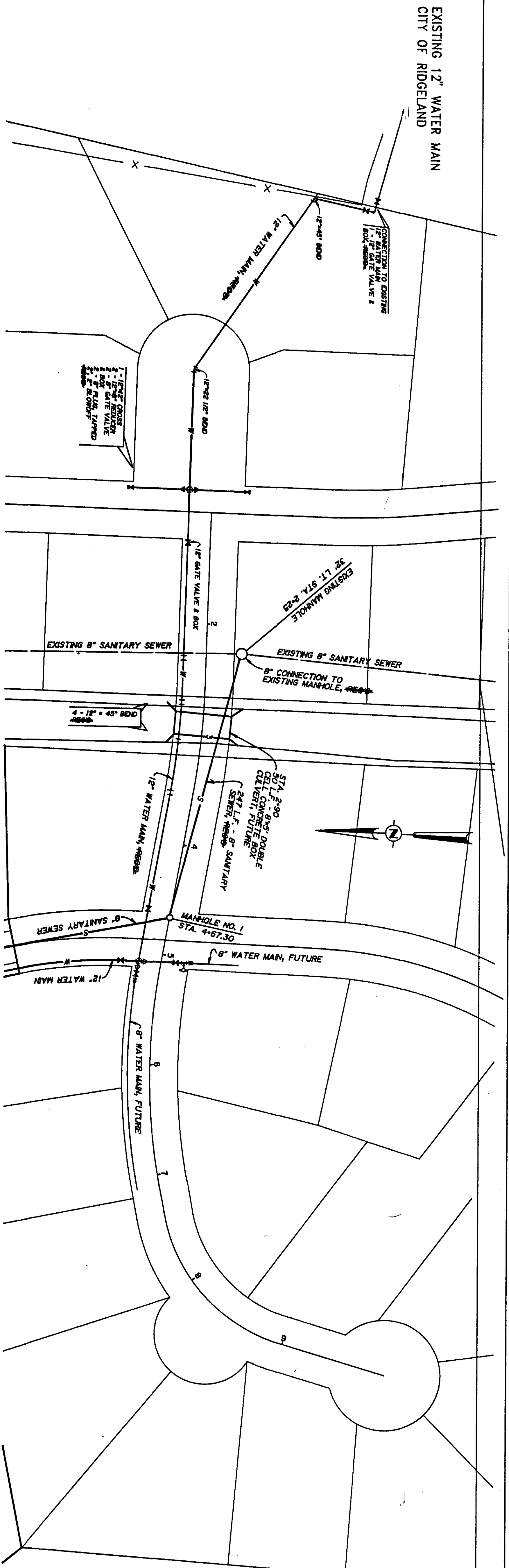
§ CURVE DATA
 Δ = 16.0634°
 R = 706.33'
 L = 100.00'
 T = 100.00'
 D = 8.111'

§ CURVE DATA
 Δ = 33.2927°
 R = 120.00'
 L = 18.90'
 T = 18.90'
 D = 48.181'

§ CURVE DATA
 Δ = 55.7700°
 R = 420.00'
 L = 100.00'
 T = 100.00'
 D = 13.641'

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
S. M. # NOTED			
STRUCTURE NOTAT NS CH # D			

PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT OF WAY CHECKED			



SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

LEGEND:
 LEFT
 RIGHT

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B. M.'S. NOTED			
STRUCTURE NOTATIONS CHECKED			

PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT. OF WAY CHECKED			

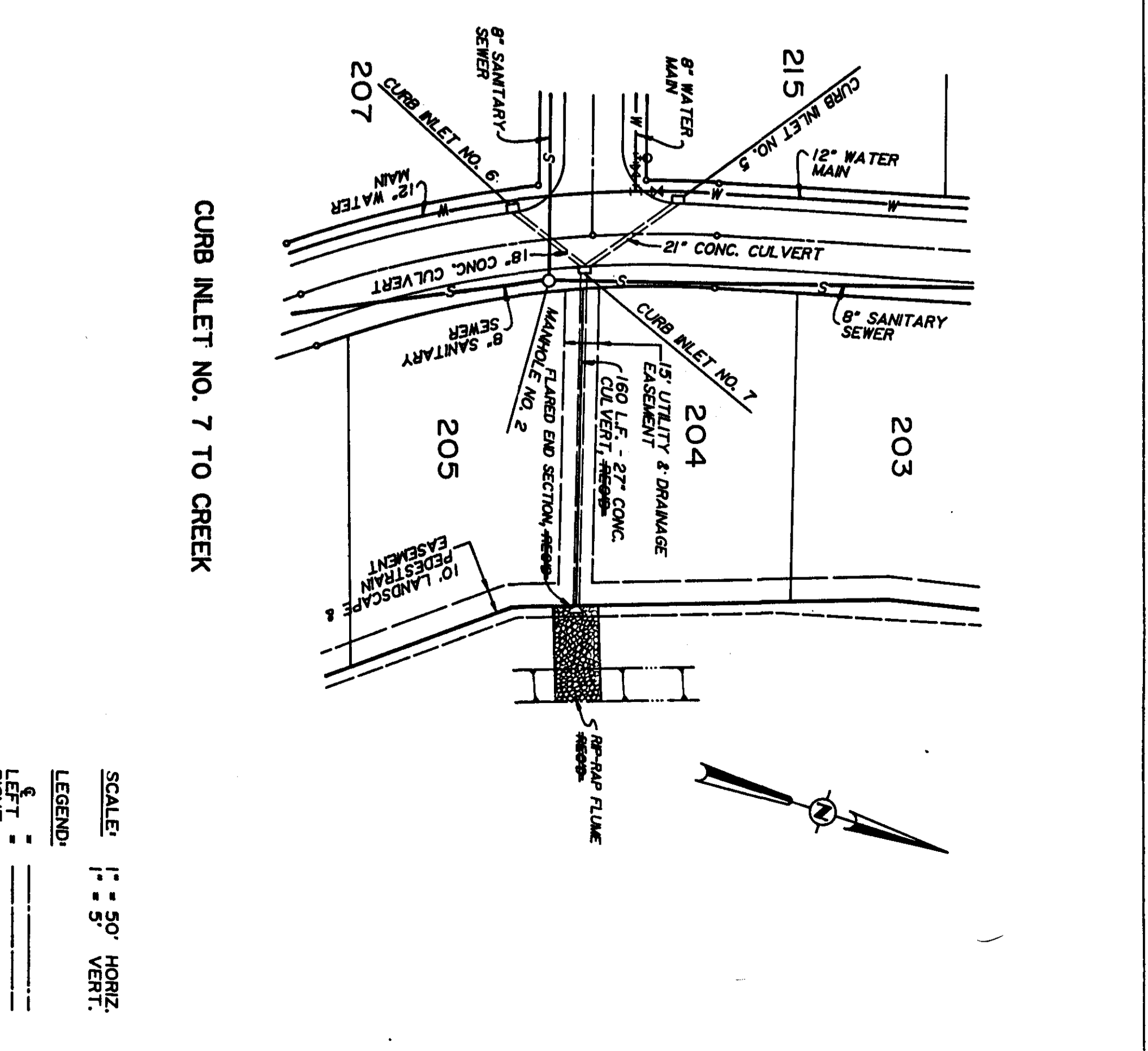
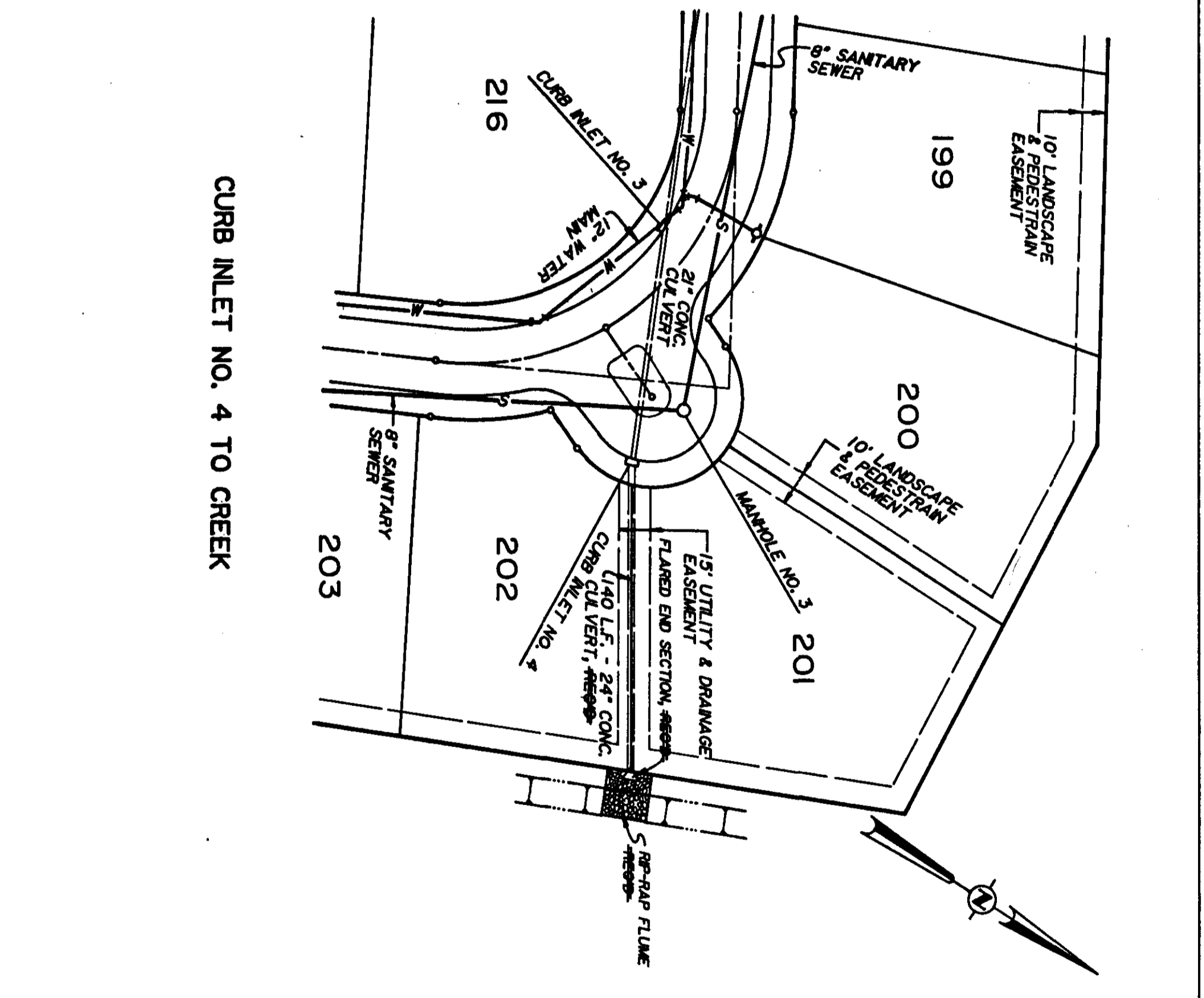
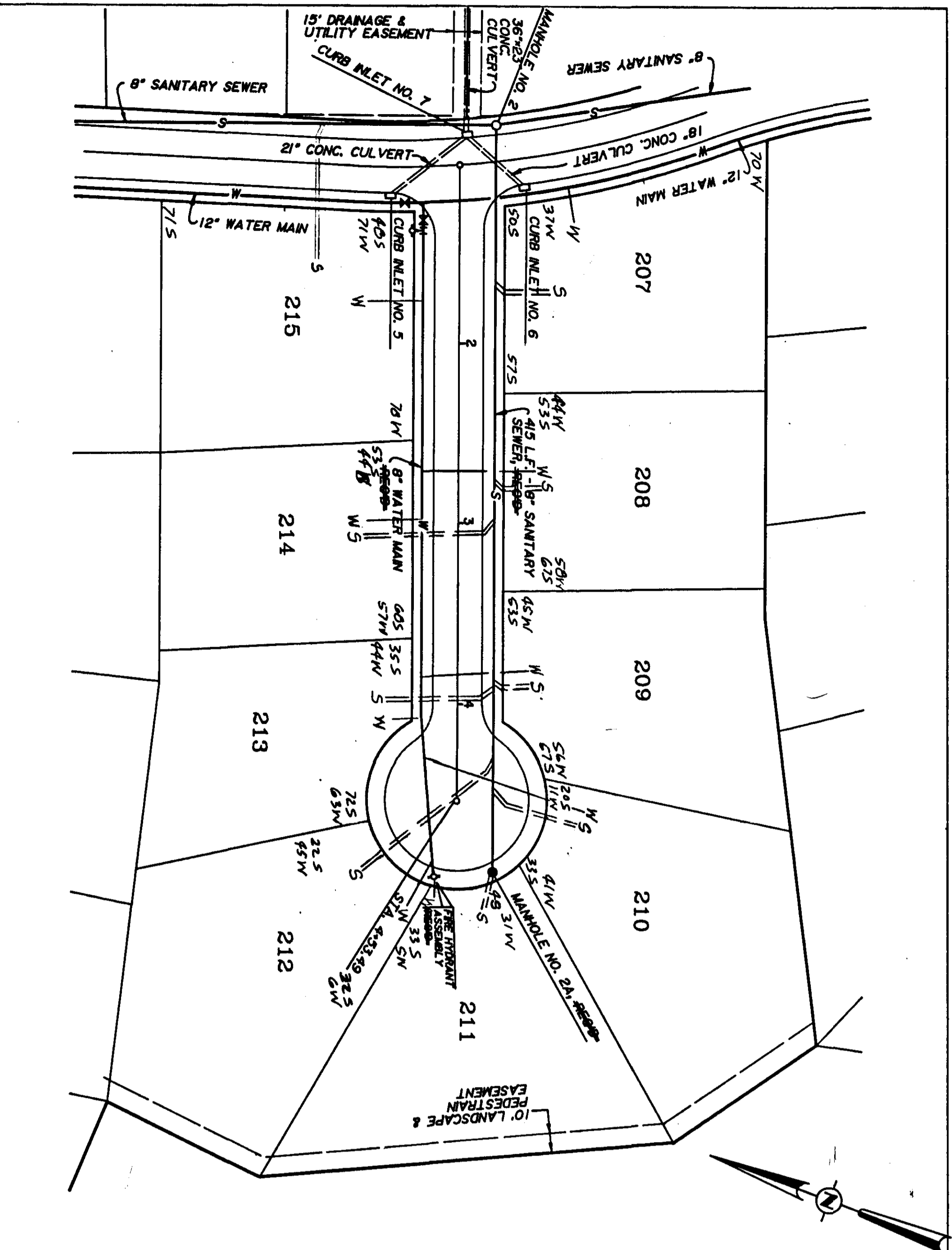
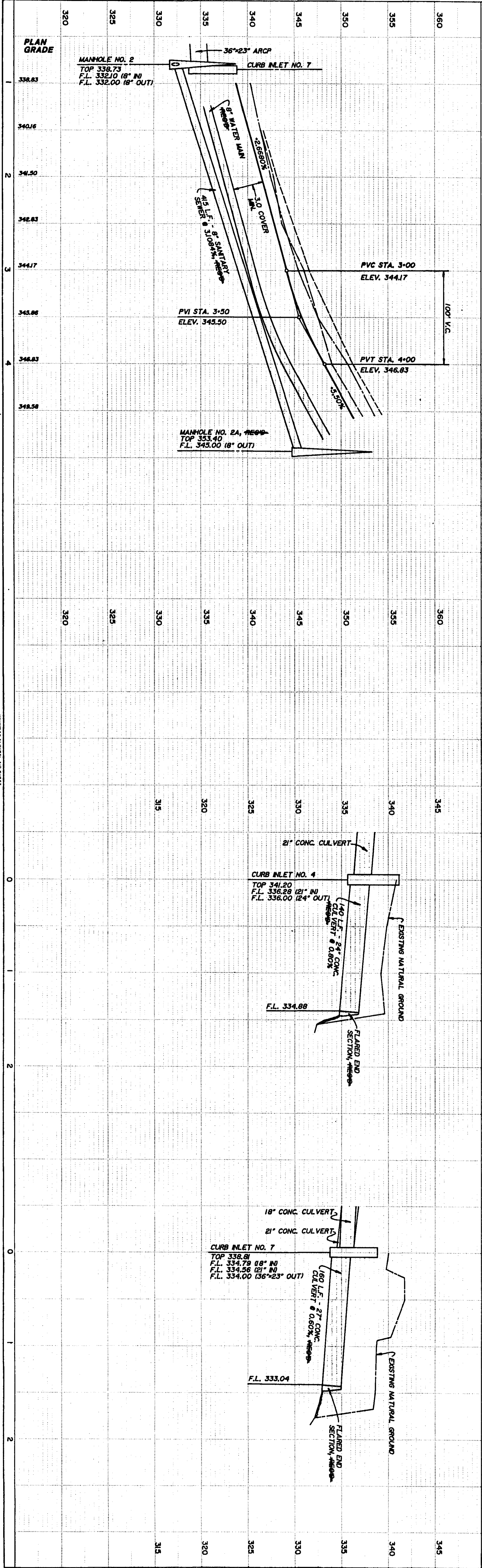
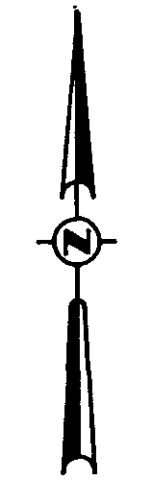
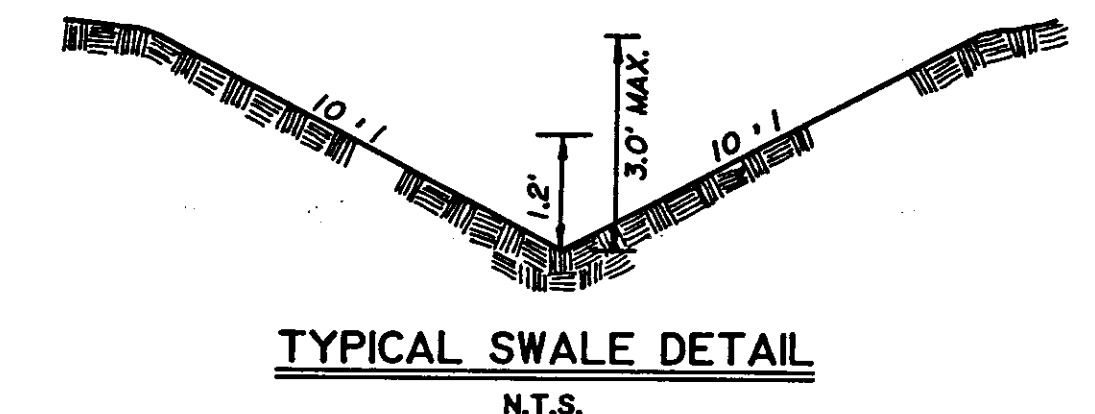
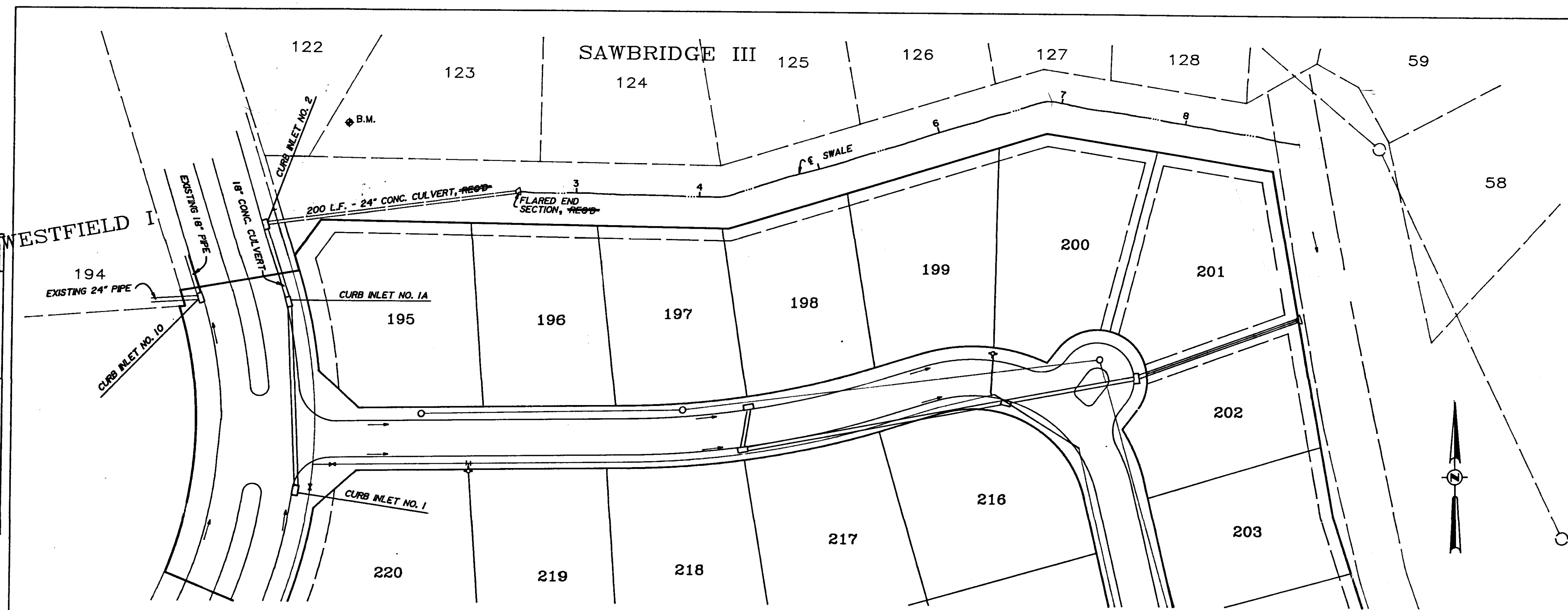


PLATE 1 - SINGLE PLAN AND PROFILE FULL DOT

PHASE SEVEN OF DINSMOR STREET 'C' STA. 1+00 TO STA. 4+53.49 91-034

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.
LEGEND:
LEFT -
RIGHT -

PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	RT. OF WAY CHECKED	
	NO.	



SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

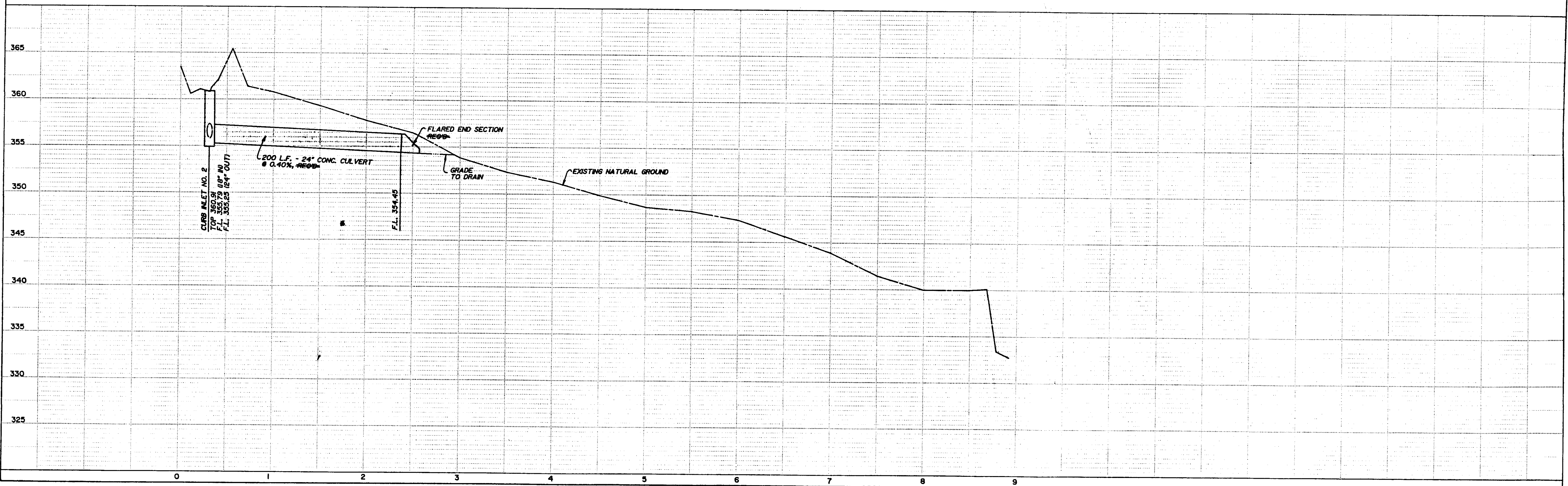


PLATE 1-SINGLE PLAN AND PROFILE FULL DOT
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