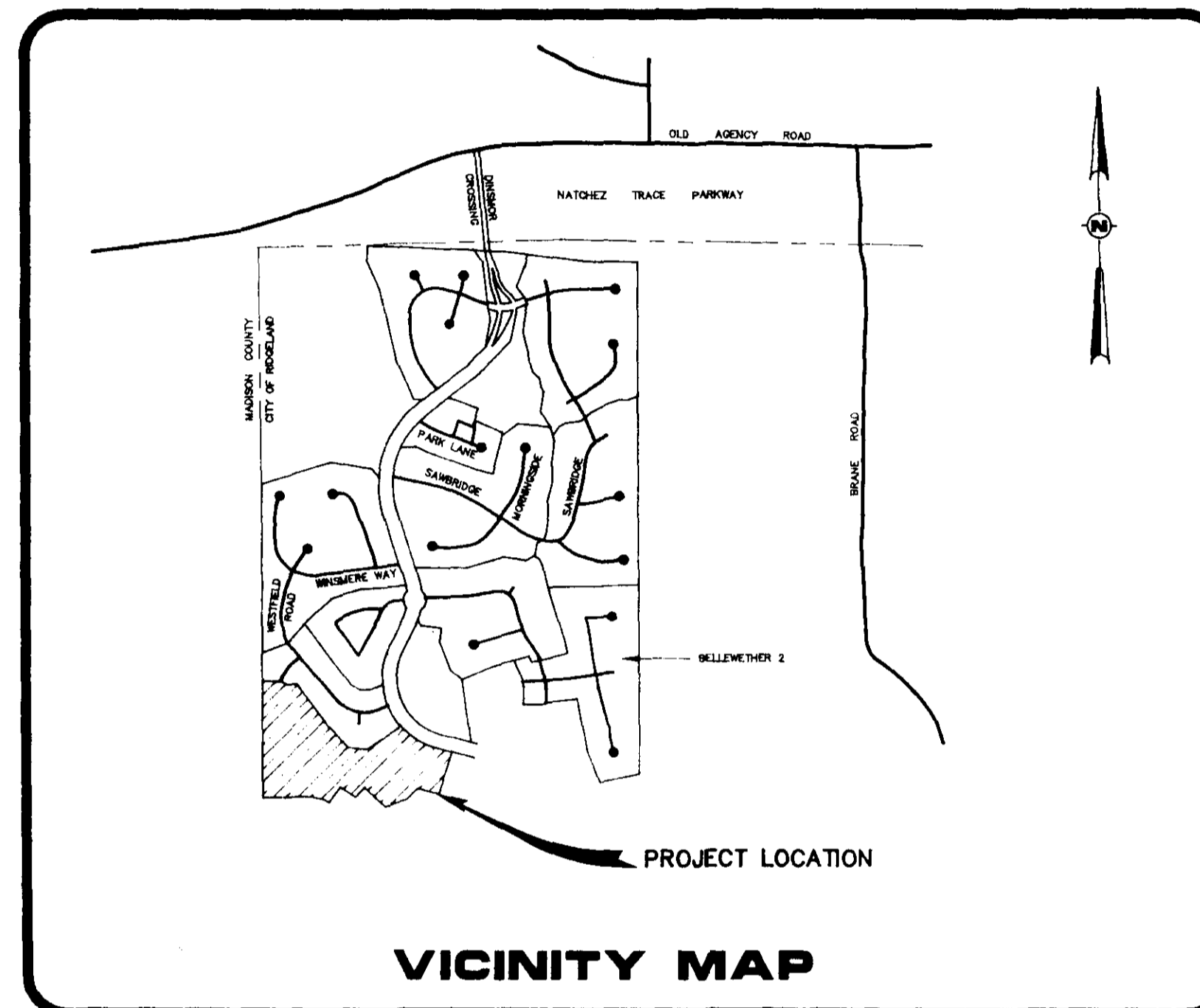


# CONSTRUCTION PLANS FOR PHASE ELEVEN OF DINSMOR

Indian Gate  
Pt. 1



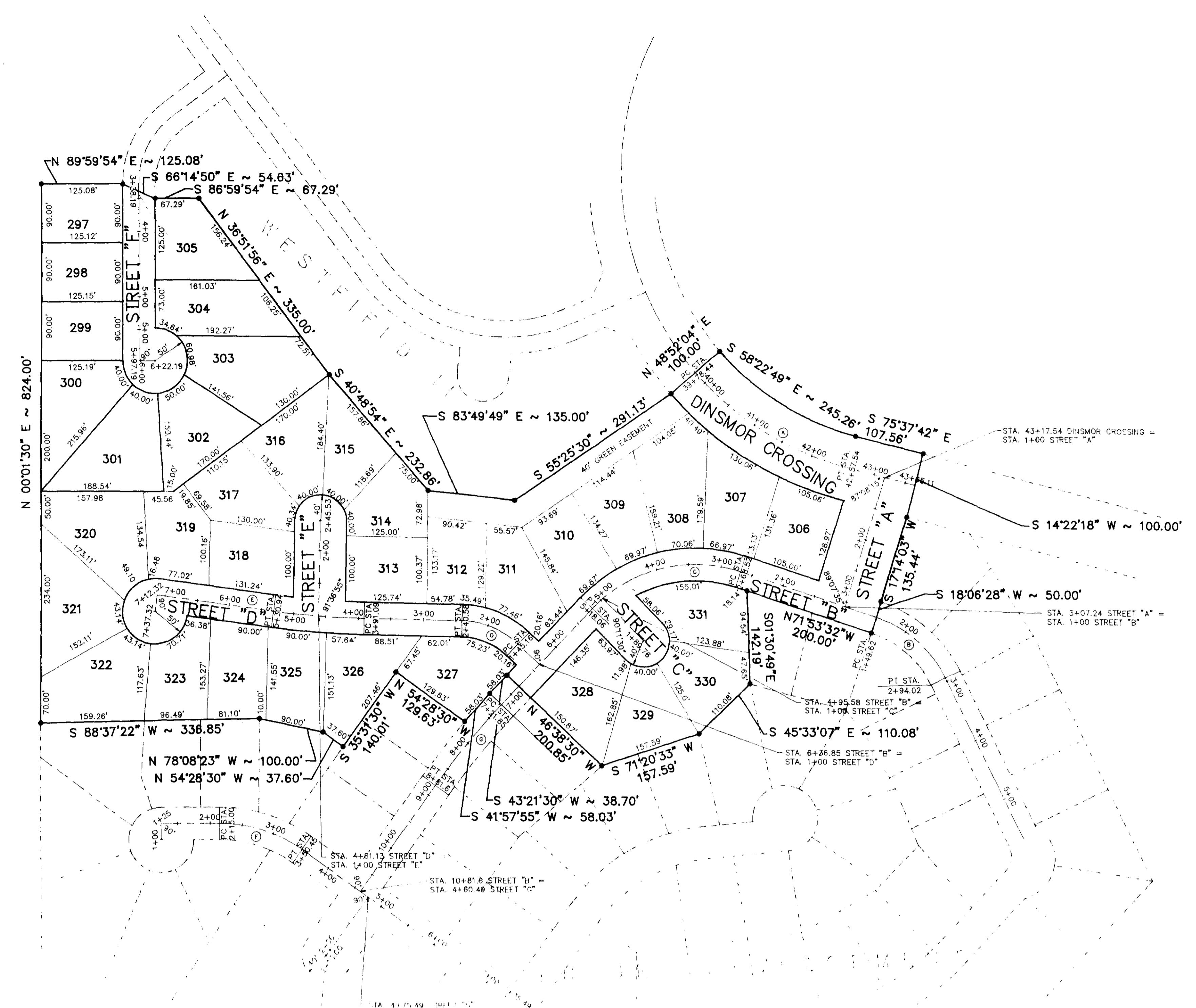
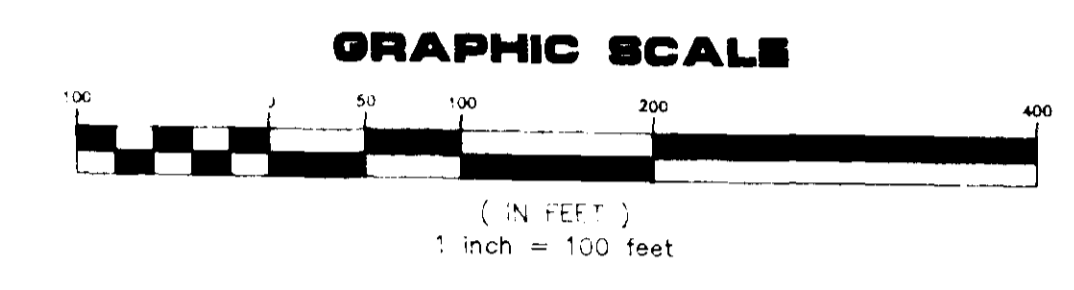
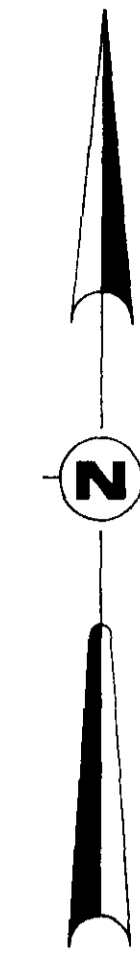
### DRAWING INDEX

<p>1 - COVER SHEET</p> <p>2 - GEOMETRIC LAYOUT</p> <p>3 - SEWER AND WATER LAYOUT</p> <p>3A - AS-BUILT SEWER AND WATER LAYOUT</p> <p>4 - DRAINAGE AND GRADING LAYOUT</p> <p>5 - PLAN &amp; PROFILE - DINSMOR CROSSING (STA. 40+00 TO STA. 43+65) STREET "A" (STA. 1+00 TO STA. 3+07.24)</p> <p>6 - PLAN &amp; PROFILE - STREET "B" (STA. 1+00 TO STA. 10+81.60 - WEST) STREET "B" (STA. 1+00 TO STA. 4+50 - EAST) STREET "C" (STA. 1+00 TO STA. 2+29.76)</p> <p>7 - PLAN &amp; PROFILE - STREET "D" (STA. 1+00 TO STA. 7+87.32) STREET "E" (STA. 1+00 TO STA. 2+85.53)</p> <p>8 - PLAN &amp; PROFILE - DEER RUN (STA. 3+50 TO STA. 6+72.19) 8" SANITARY SEWER (MH NO. 2 TO MH NO. 7)</p>	<p>9 - PLAN &amp; PROFILE - STREET "G" (STA. 0+50 TO STA. 7+00) STREET "H" (STA. 1+00 TO STA. 2+50)</p> <p>10 - PLAN &amp; PROFILE - 8" SANITARY SEWER (MH NO. 11 TO PROPOSED PUMP STATION) 4" FORCE MAIN (PROPOSED PUMP STATION TO STA. 10+00)</p> <p>11 - PLAN &amp; PROFILE - 4" FORCE MAIN (STA. 10+00 TO EXISTING PUMP STATION)</p> <p>12 - PLAN &amp; PROFILE - DRAINAGE IMPROVEMENTS (DEER RUN &amp; STREET "D")</p> <p>13 - PLAN &amp; PROFILE - DRAINAGE IMPROVEMENTS (NORTH PROPERTY LINE &amp; DINSMOR CROSSING)</p> <p>14 - PLAN &amp; PROFILE - DRAINAGE IMPROVEMENTS (NORTH PROPERTY LINE TO CREEK)</p> <p>15 - DUPLEX SUBMERSIBLE WASTEWATER PUMPING STATION</p> <p>16 - STANDARD SANITARY SEWER DETAILS</p> <p>17 - STANDARD WATER DETAILS</p> <p>18 - STANDARD STORM SEWER DETAILS</p>
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AS-BUILT

DRAWING NO. 11-COR

<p>FIELD</p> <p style="text-align: center;"><b>REYNOLDS ENGINEERING, INC.</b></p> <p>POST OFFICE BOX 526      JACKSON, MISSISSIPPI 39205</p> <p>DATUM      601-362-4885</p>	<p>CLIENT</p> <p style="text-align: center;">DEVELOPED BY: <b>S.M.C.D.C., INC. GENERAL PARTNERSHIP</b> 805 SOUTH WHEATLEY STREET RIDGELAND, MISSISSIPPI</p>	<p>LOCATION</p> <p style="text-align: center;">SITUATED IN THE EAST 1/2 OF SECTION 26 TOWNSHIP 7 NORTH - RANGE 1 EAST MADISON COUNTY, MISSISSIPPI</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DATE 7/7/93</td> <td style="width: 25%;">REVISION AS-BUILT</td> <td style="width: 25%;">BY P.H.W.</td> <td style="width: 25%;">DRAWN BY: P.H.W. DATE: 6/25/92</td> </tr> <tr> <td colspan="3">Indian Gate I</td> <td style="text-align: right; font-size: 1.5em; font-weight: bold;">PWP-00416</td> </tr> </table>	DATE 7/7/93	REVISION AS-BUILT	BY P.H.W.	DRAWN BY: P.H.W. DATE: 6/25/92	Indian Gate I			PWP-00416
DATE 7/7/93	REVISION AS-BUILT	BY P.H.W.	DRAWN BY: P.H.W. DATE: 6/25/92								
Indian Gate I			PWP-00416								



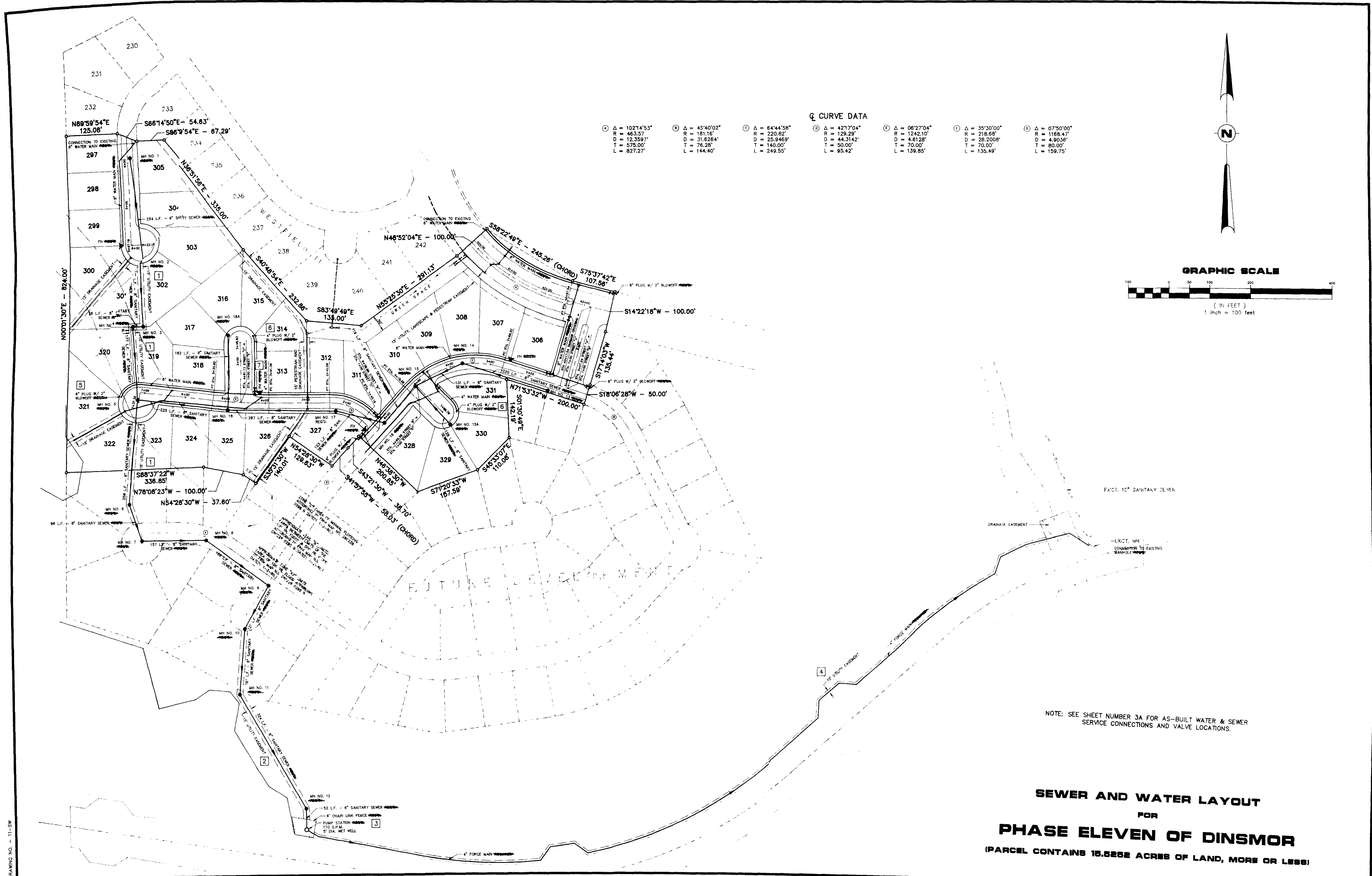
**Q CURVE DATA**

Ⓐ Δ = 102°14'53"	Ⓑ Δ = 45°40'02"	Ⓒ Δ = 04°44'58"	Ⓓ Δ = 42°17'04"
R = 463.57	R = 181.16'	R = 220.82'	R = 129.29'
D = 12.3597'	D = 31.8284'	D = 27.0489'	D = 44.1142'
T = 575.00'	T = 78.28'	T = 146.00'	T = 50.00'
L = 827.27'	L = 144.40'	L = 249.55'	L = 95.42'
Ⓔ Δ = 08°27'04"	Ⓕ Δ = 33°30'00"	Ⓖ Δ = 11°00'00"	
R = 1242.10'	R = 216.88'	R = 1100.42'	
D = 4.8128'	D = 26.2008'	D = 4.9050'	
T = 70.00'	T = 70.00'	T = 80.00'	
L = 139.85'	L = 135.49'	L = 159.15'	

# GEOMETRIC LAYOUT

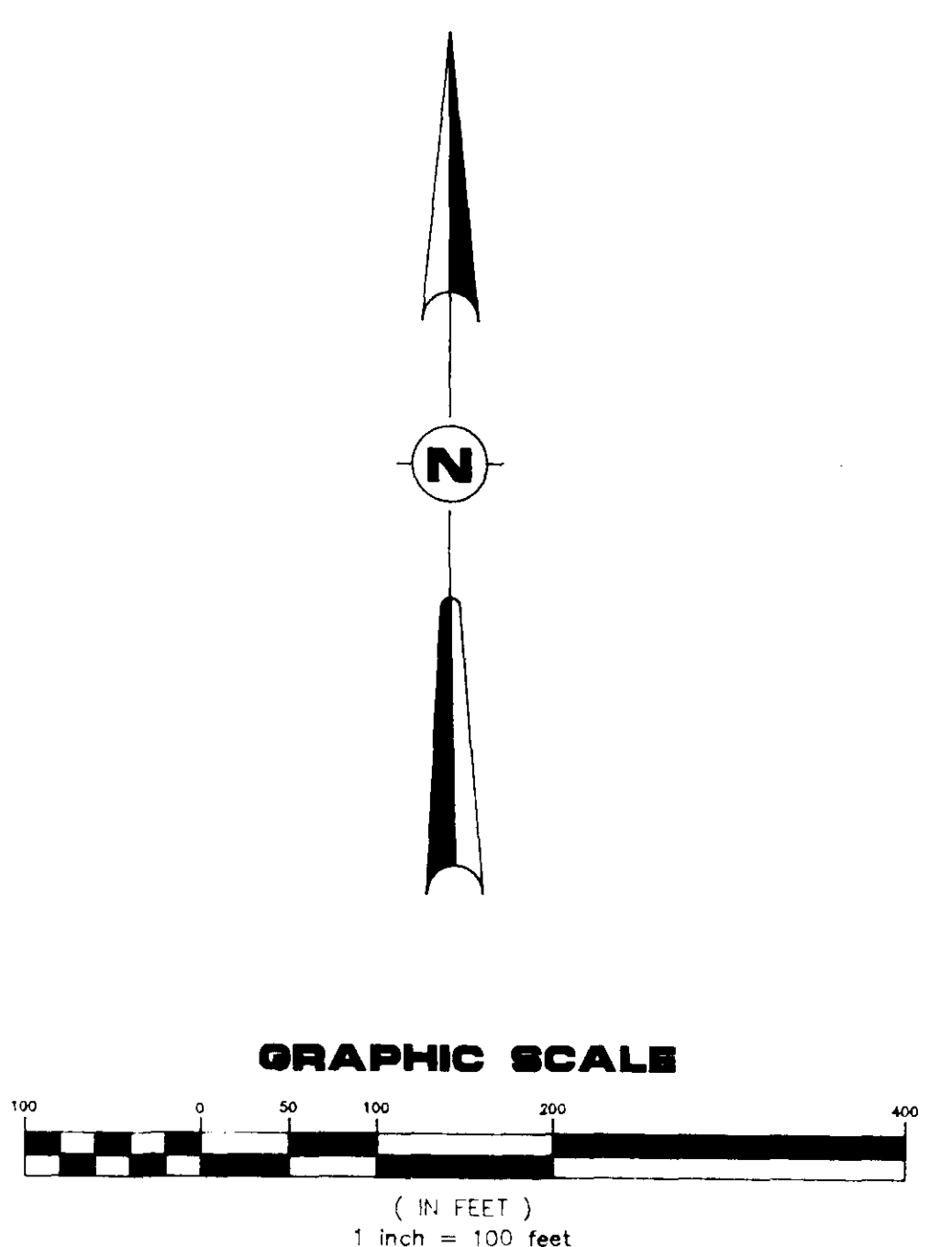
DRAWING NO. - 11-GE0

FIELD	<b>REYNOLDS ENGINEERING, INC.</b> JACKSON, MISSISSIPPI 39206 POST OFFICE BOX 526 601-362-4885	<b>S.M.C.D.C., INC.</b> GENERAL PARTNERSHIP 302 SOUTH WHEATLEY STREET RIDGELAND, MISSISSIPPI	LOCATION <b>SITUATED IN THE EAST 1/2 OF SECTION 26 TOWNSHIP 7 NORTH - RANGE 1 EAST MADISON COUNTY, MISSISSIPPI</b>	DATE _____	REVISION _____	BY _____	DRAWN BY: F.H.A. DATE: 5-4-92 SCALE: 1"=100' BOOK: _____ PAGE: _____ PROJECT NO.: 91034-11	SHEET  <b>2</b>
DATUM								



**Q CURVE DATA**

Ⓐ Δ = 102°14'53"	Ⓒ Δ = 45°40'02"	Ⓔ Δ = 64°44'58"	Ⓖ Δ = 42°17'04"	Ⓗ Δ = 06°27'04"	Ⓙ Δ = 35°30'00"	Ⓚ Δ = 07°50'00"
R = 463.57	R = 181.16'	R = 220.82'	R = 129.29'	R = 1242.10'	R = 218.68'	R = 1168.47'
D = 12.3597'	D = 31.6264'	D = 25.9469'	D = 44.3142'	D = 4.6128'	D = 28.2008'	D = 4.9036'
T = 575.00'	T = 76.28'	T = 140.00'	T = 50.00'	T = 70.00'	T = 70.00'	T = 80.00'
L = 827.27'	L = 144.40'	L = 249.55'	L = 95.42'	L = 139.85'	L = 135.49'	L = 159.75'

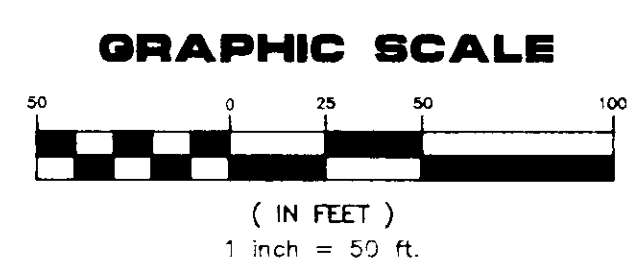
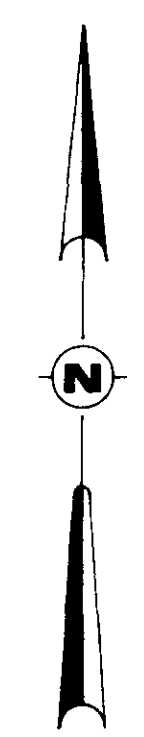
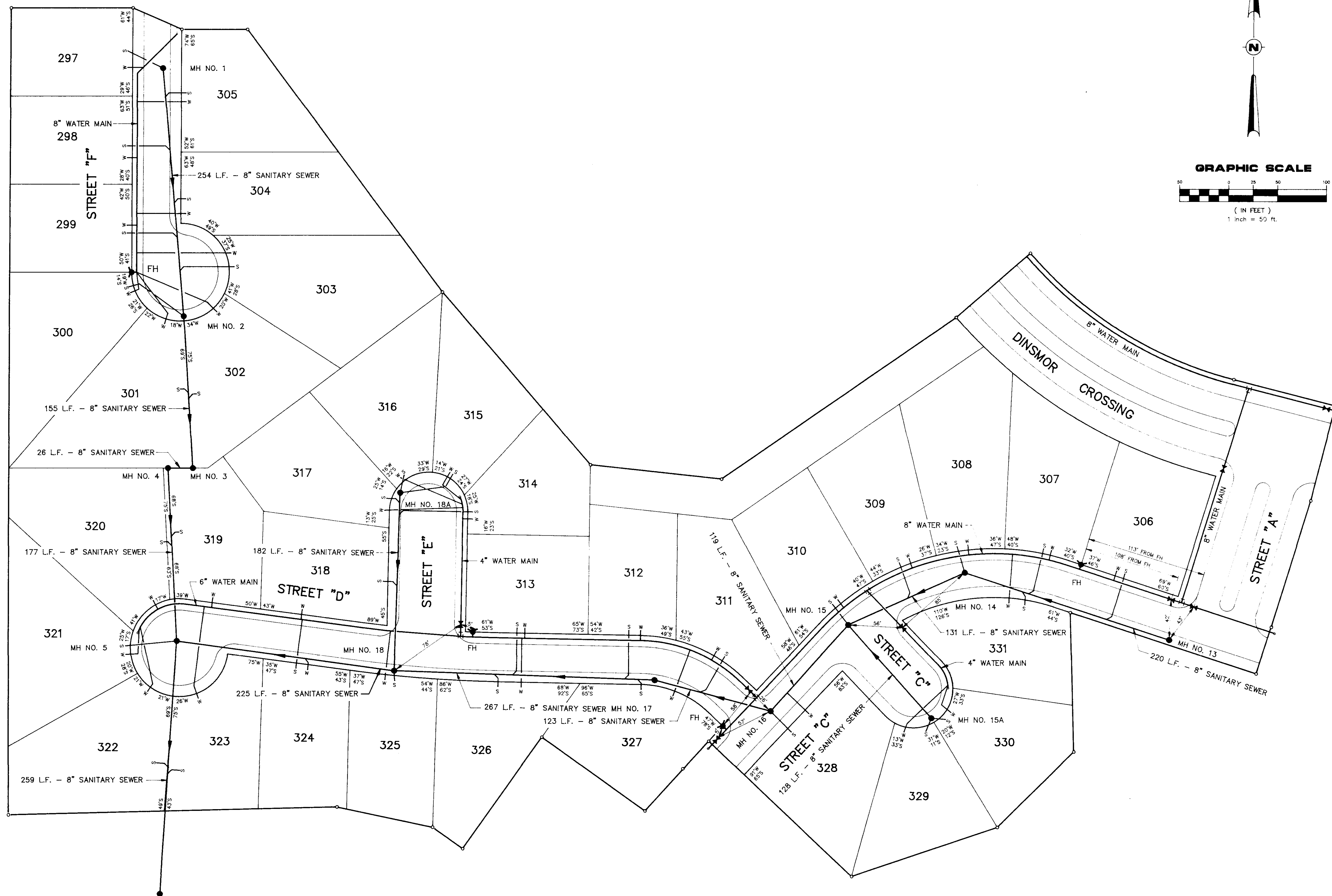


NOTE: SEE SHEET NUMBER 3A FOR AS-BUILT WATER & SEWER SERVICE CONNECTIONS AND VALVE LOCATIONS.

**SEWER AND WATER LAYOUT**  
**FOR**  
**PHASE ELEVEN OF DINSMOR**  
 (PARCEL CONTAINS 15.8252 ACRES OF LAND, MORE OR LESS)

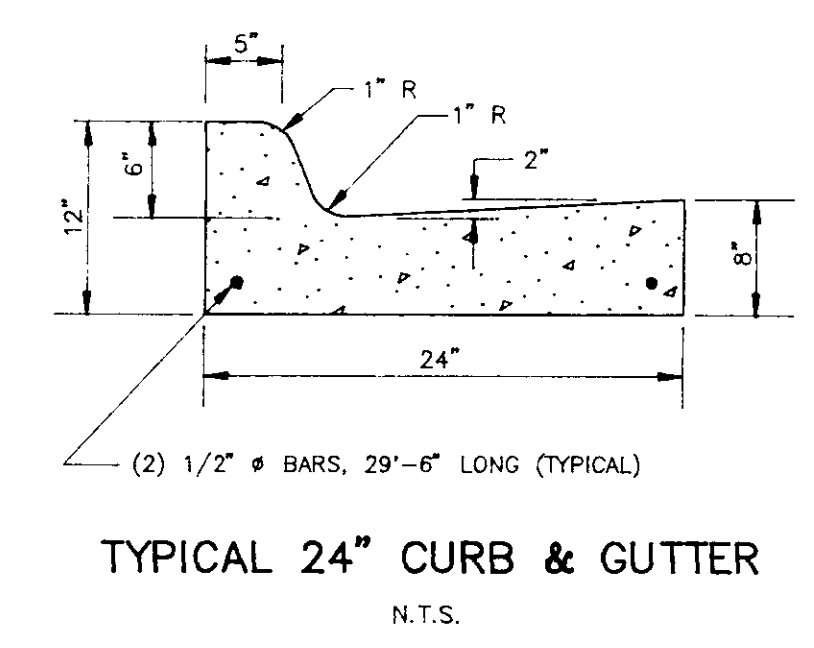
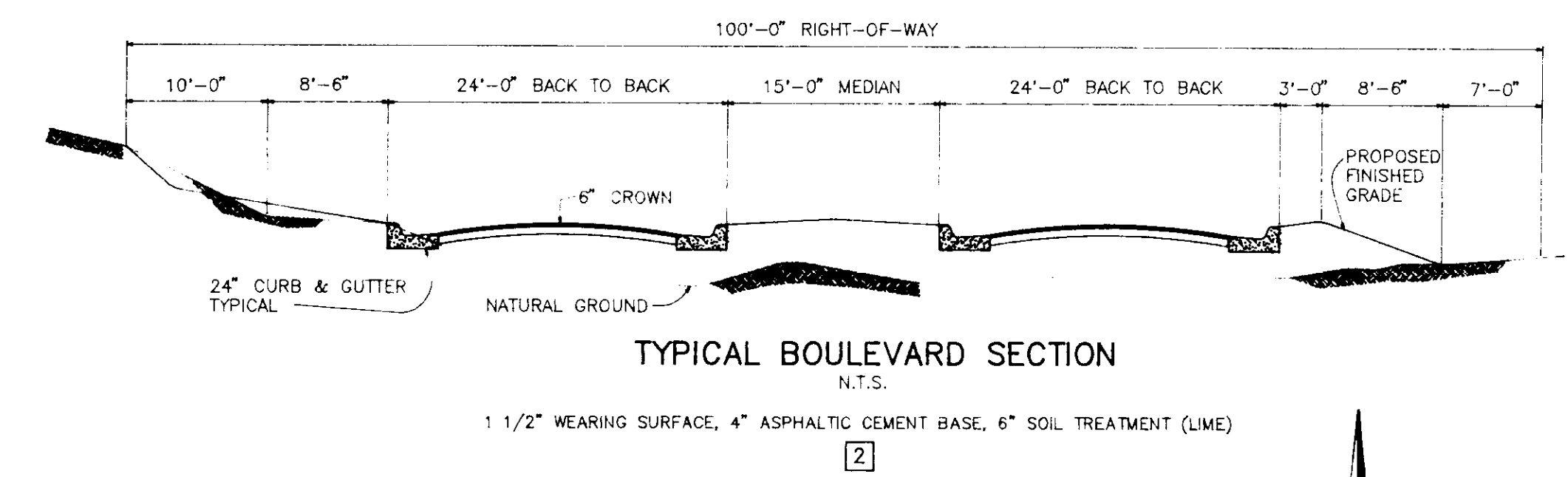
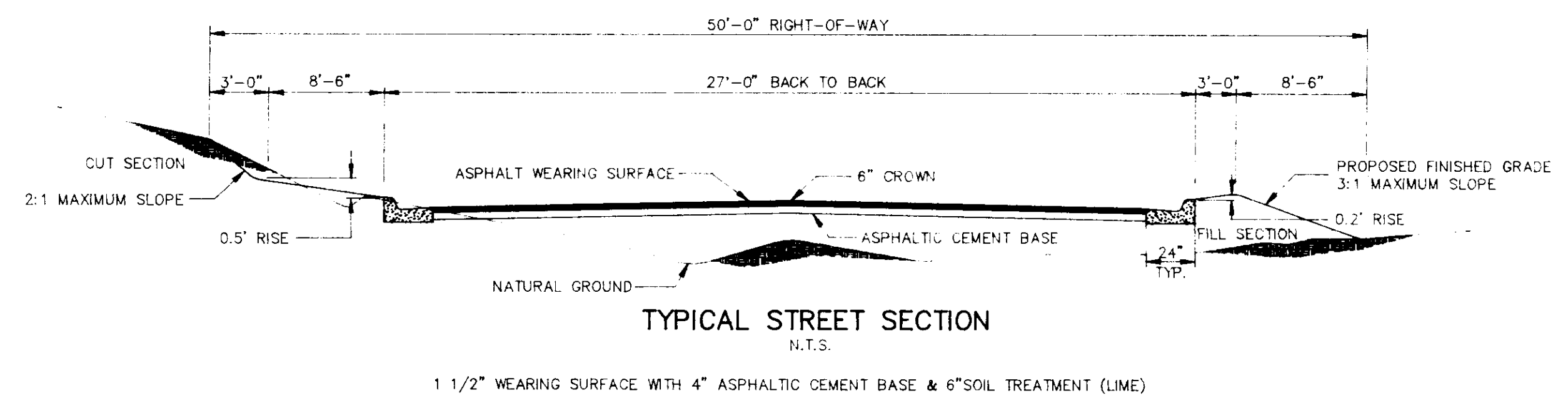
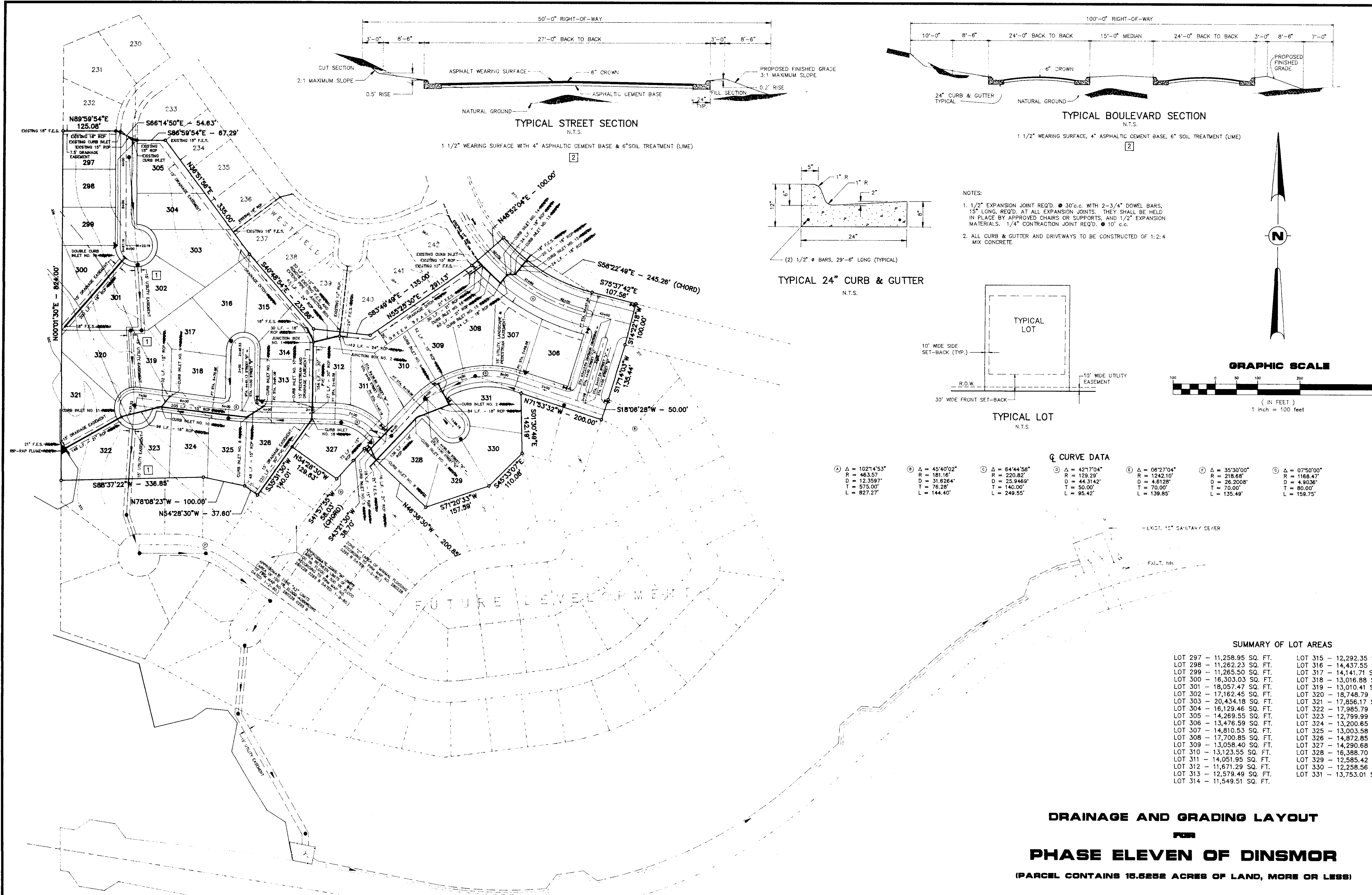
FIELD DINSMOR	<b>REYNOLDS ENGINEERING, INC.</b> POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	CLIENT <b>S.M.C.D.C., INC.</b> GENERAL PARTNERSHIP 805 SOUTH WHEATLEY STREET RIDGELAND, MISSISSIPPI	LOCATION SITUATED IN THE EAST 1/2 OF SECTION 26 TOWNSHIP 7 NORTH - RANGE 1 EAST MADISON COUNTY, MISSISSIPPI	DATE	REVISION	BY	DRAWN BY: P.H.W.
				7/28/92	1 - 7	P.H.W.	DATE: 6/25/92
DATUM				7/7/93	AS-BUILT	P.H.W.	SCALE: 1"=100'
							BOOK: PAGE:
							PROJECT NO.: 91034

SHEET **3**

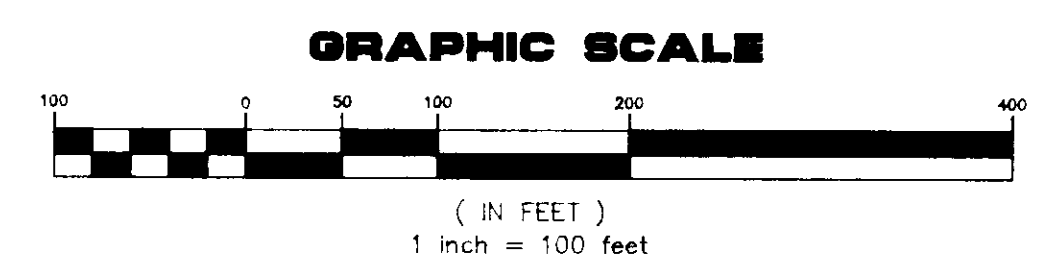
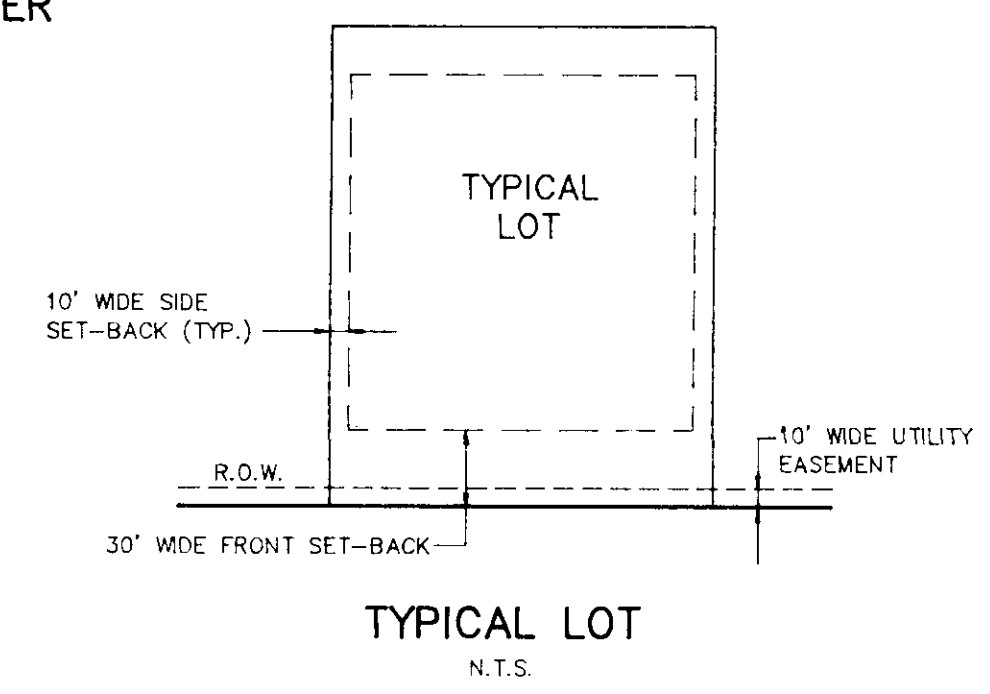


DRAWING NO. 11-AB

FIELD  DATUM	<b>REYNOLDS ENGINEERING, INC.</b> POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885		PROJECT <b>PHASE ELEVEN OF DINSMOR</b>	LOCATION <b>AS-BUILT SEWER AND WATER LAYOUT</b>	DATE _____	REVISION _____	BY _____	DRAWN BY: P.H.W. DATE: 7/7/93 SCALE: 1"=50' BOOK: _____ PAGE: _____ PROJECT NO.: 91-034 (11)	SHEET <b>3A</b>
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- NOTES:
- 1/2" EXPANSION JOINT REQ'D. @ 30' c.c. WITH 2-3/4" DOWEL BARS, 15" LONG, REQ'D. AT ALL EXPANSION JOINTS. THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, AND 1/2" EXPANSION MATERIALS. 1/4" CONTRACTION JOINT REQ'D. @ 10' c.c.
  - ALL CURB & GUTTER AND DRIVEWAYS TO BE CONSTRUCTED OF 1:2:4 MIX CONCRETE.



Q CURVE DATA

① Δ = 102°14'53"	⑥ Δ = 45°40'02"	⑩ Δ = 64°44'58"	⑭ Δ = 42°17'04"	⑱ Δ = 06°27'04"	⑳ Δ = 35°30'00"	㉑ Δ = 07°50'00"
R = 463.57'	R = 181.16'	R = 220.82'	R = 129.29'	R = 1242.10'	R = 218.68'	R = 1168.47'
D = 12.3593"	D = 31.6264"	D = 23.9469"	D = 44.3142"	D = 4.6128"	D = 26.2008"	D = 4.9036"
T = 575.00'	T = 76.28'	T = 140.00'	T = 50.00'	T = 70.00'	T = 70.00'	T = 80.00'
L = 827.27'	L = 144.40'	L = 249.55'	L = 95.42'	L = 139.85'	L = 135.49'	L = 159.75'

SUMMARY OF LOT AREAS

LOT 297 - 11,258.95 SQ. FT.	LOT 315 - 12,292.35 SQ. FT.
LOT 298 - 11,262.23 SQ. FT.	LOT 316 - 14,437.55 SQ. FT.
LOT 299 - 11,265.50 SQ. FT.	LOT 317 - 14,141.71 SQ. FT.
LOT 300 - 16,303.03 SQ. FT.	LOT 318 - 13,016.88 SQ. FT.
LOT 301 - 18,057.47 SQ. FT.	LOT 319 - 13,010.41 SQ. FT.
LOT 302 - 17,162.45 SQ. FT.	LOT 320 - 18,748.79 SQ. FT.
LOT 303 - 20,434.18 SQ. FT.	LOT 321 - 17,856.17 SQ. FT.
LOT 304 - 16,129.46 SQ. FT.	LOT 322 - 17,985.79 SQ. FT.
LOT 305 - 14,269.55 SQ. FT.	LOT 323 - 12,799.99 SQ. FT.
LOT 306 - 13,476.59 SQ. FT.	LOT 324 - 13,200.65 SQ. FT.
LOT 307 - 14,810.53 SQ. FT.	LOT 325 - 13,003.58 SQ. FT.
LOT 308 - 17,700.85 SQ. FT.	LOT 326 - 14,872.85 SQ. FT.
LOT 309 - 13,058.40 SQ. FT.	LOT 327 - 14,290.68 SQ. FT.
LOT 310 - 13,123.55 SQ. FT.	LOT 328 - 16,388.70 SQ. FT.
LOT 311 - 14,051.95 SQ. FT.	LOT 329 - 12,585.42 SQ. FT.
LOT 312 - 11,671.29 SQ. FT.	LOT 330 - 12,258.56 SQ. FT.
LOT 313 - 12,579.49 SQ. FT.	LOT 331 - 13,753.01 SQ. FT.
LOT 314 - 11,549.51 SQ. FT.	

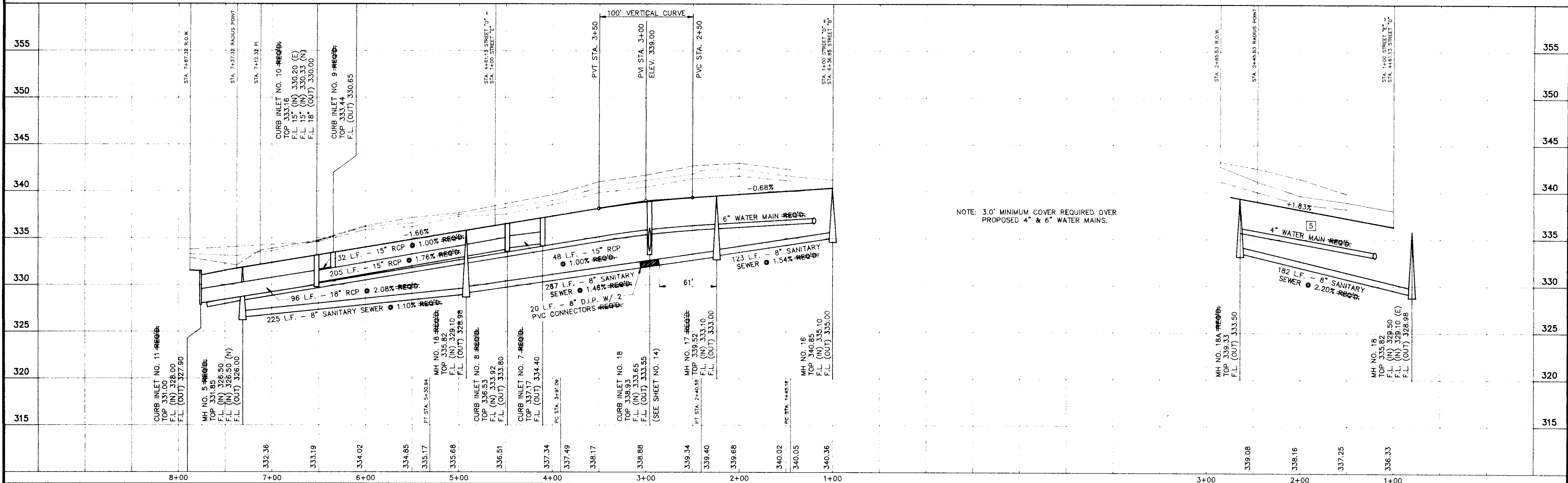
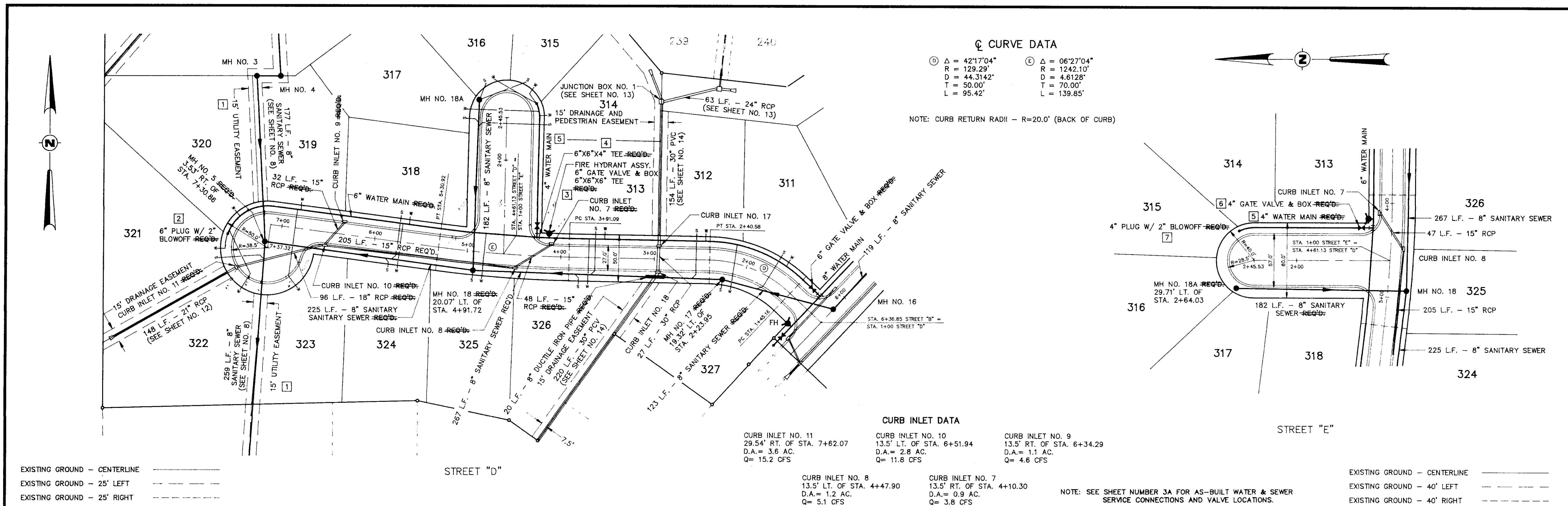
**DRAINAGE AND GRADING LAYOUT**  
**FOR**  
**PHASE ELEVEN OF DINSMOR**  
 (PARCEL CONTAINS 18.6252 ACRES OF LAND, MORE OR LESS)

DRAWING NO. - 11-06

FIELD	REYNOLDS ENGINEERING, INC. POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	CLIENT	S.M.C.D.C., INC. GENERAL PARTNERSHIP 805 SOUTH WHEATLEY STREET RIDGELAND, MISSISSIPPI	LOCATION	SITUATED IN THE EAST 1/2 OF SECTION 26 TOWNSHIP 7 NORTH - RANGE 1 EAST MADISON COUNTY, MISSISSIPPI	DATE	7/28/92 7/7/93	REVISION	1 2 AS-BUILT	BY	P.H.W. P.H.W.	DRAWN BY: P.H.W.	SHEET	4
DATUM												DATE: 6/25/92		
												SCALE: 1"=100'		
												BOOK: PAGE:		
												PROJECT NO.: 91034		



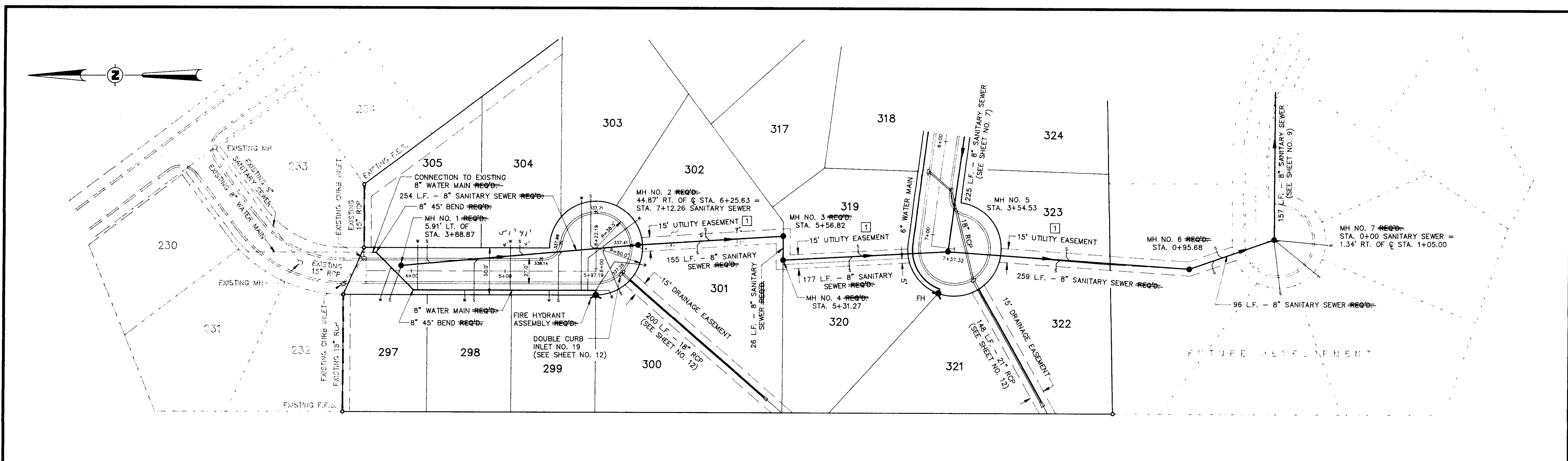




DRAWING NO. - 11-PP3

FIELD	PROJECT	LOCATION	DATE	REVISION	BY	DRAWN BY: P.H.W.	SHEET
	REYNOLDS ENGINEERING, INC.	PHASE ELEVEN OF DINSMOR	7/28/92	1 - 7	P.H.W.	DATE: 6/25/92	7
DATUM	POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	STREET "D" STA. 1+00 TO STA. 7+87.32 STREET "E" STA. 1+00 TO STA. 2+86.53	7/7/93	AS-BUILT	P.H.W.	HORIZ. SCALE: 1"=50' BOOK: 669 PAGE: 68-70 PROJECT NO.: 91034	



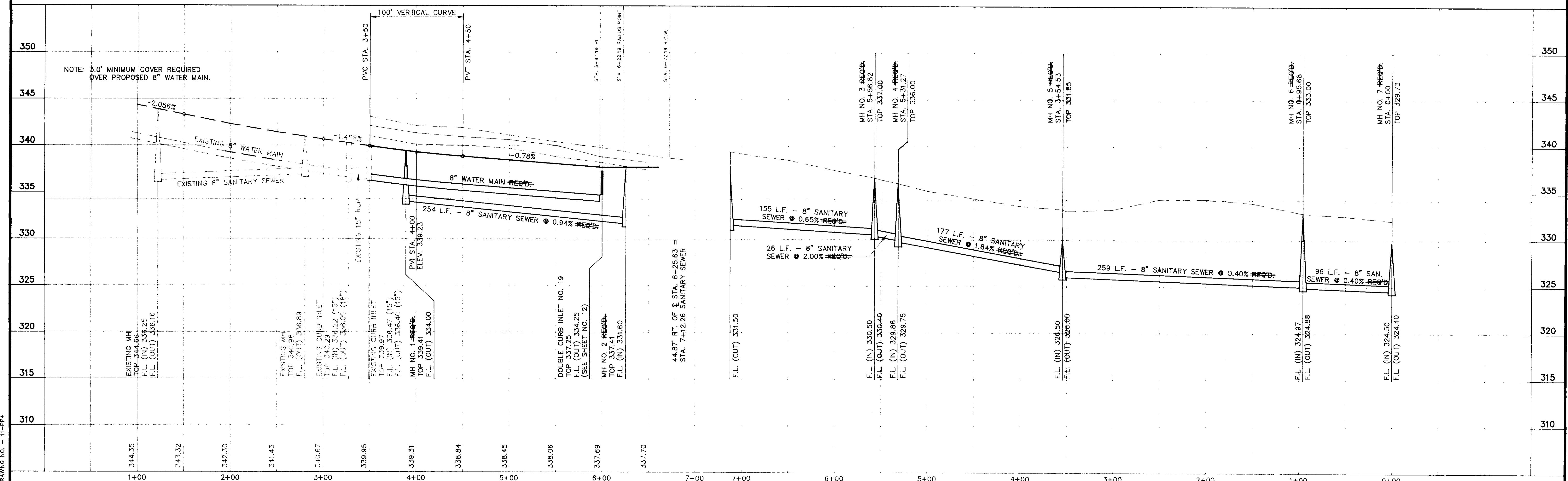


EXISTING GROUND - CENTERLINE  
 EXISTING GROUND - 25' LEFT  
 EXISTING GROUND - 25' RIGHT

DEER RUN

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

NOTE: SEE SHEET NUMBER 3A FOR AS-BUILT WATER & SEWER SERVICE CONNECTIONS AND VALVE LOCATIONS.

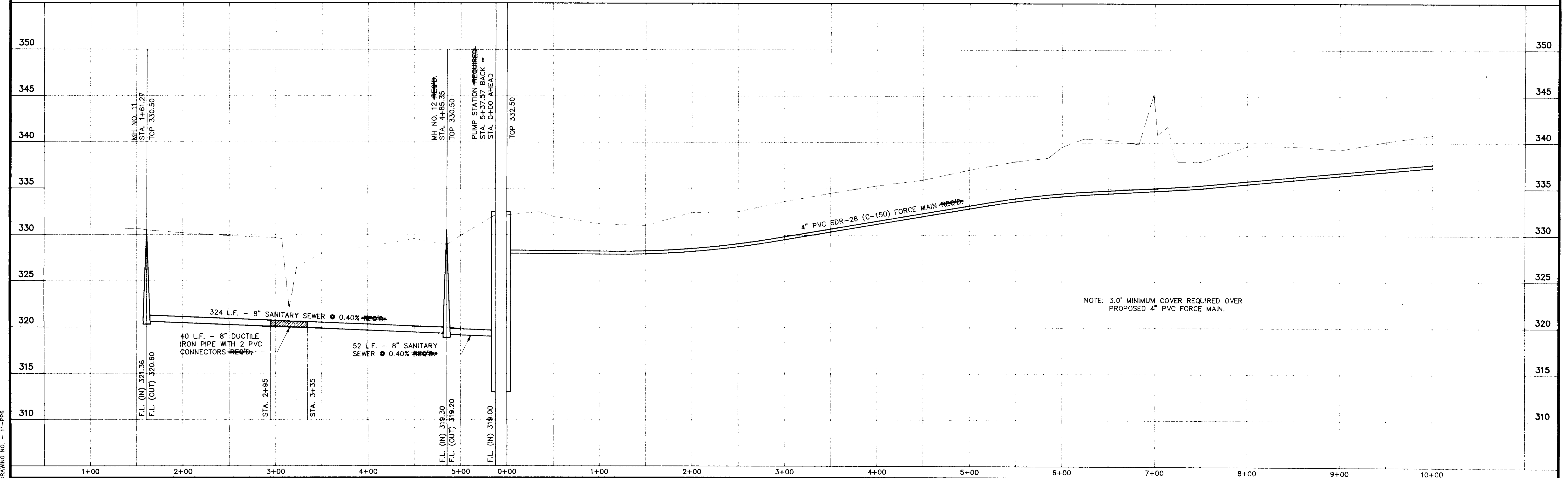
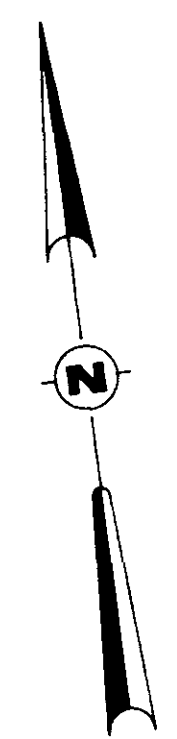
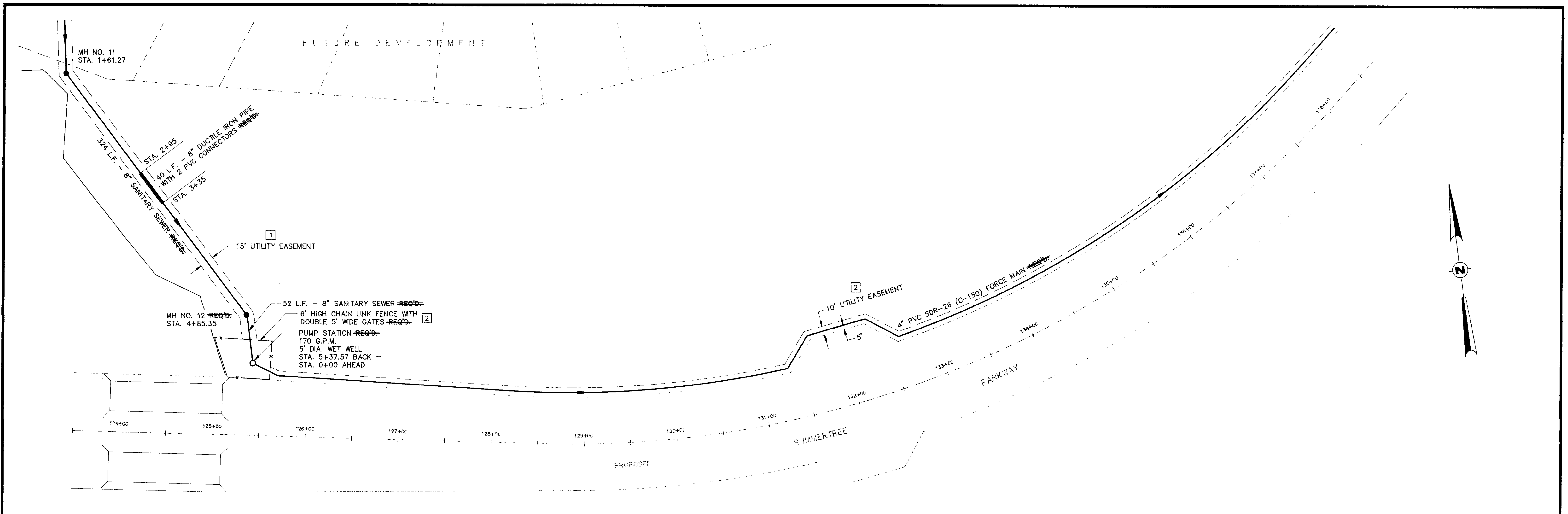


DRAWING NO. - 11-PP4

FIELD	<b>REYNOLDS ENGINEERING, INC.</b> POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	PROJECT	<b>PHASE ELEVEN OF DINSMOR</b>	LOCATION	<b>DEER RUN STA. 3+50 TO STA. 6+72.18 8" SANITARY SEWER MH NO. 2 TO MH NO. 7</b>	DATE	7/28/92 7/7/93	REVISION	1 AS-BUILT	BY	P.H.W. P.H.W.	DRAWN BY: P.H.W.	DATE: 6/25/92	HORIZ. SCALE: 1"=50'	BOOK: 187 874	PAGE: 48 18-18	PROJECT NO.: 91034	SHEET	<b>8</b>
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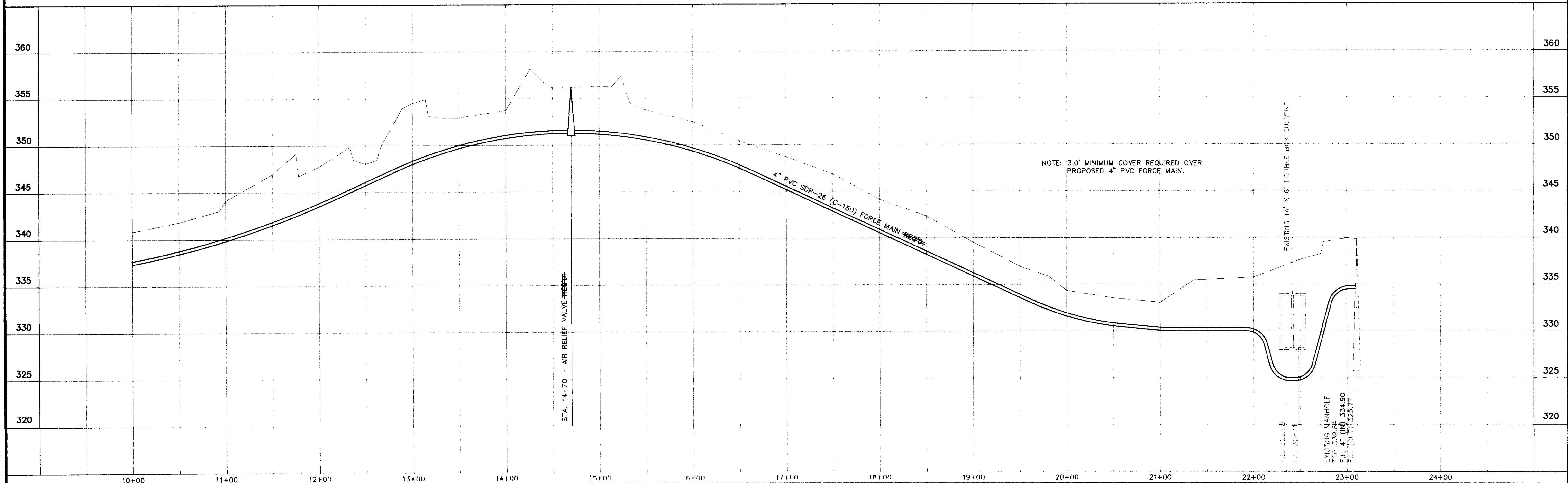
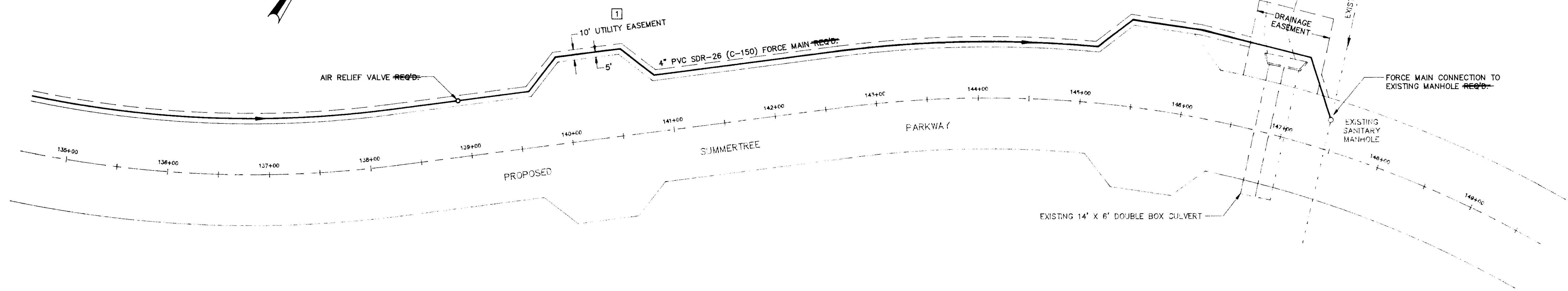
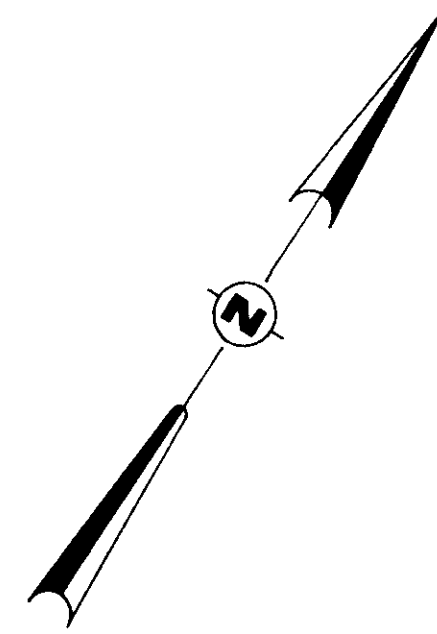
DATUM





DRAWING NO. - 11-PP6

FIELD  DATUM	<b>REYNOLDS ENGINEERING, INC.</b> POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	PROJECT <b>PHASE ELEVEN OF DINSMOR</b>	LOCATION <b>8" SANITARY SEWER          MH NO. 11 TO PROPOSED PUMP STATION          4" FORCE MAIN          PROPOSED PUMP STATION TO STA. 10+00</b>	DATE 7/29/92 7/7/93	REVISION 1 - 3 AS-BUILT	BY P.H.W. P.H.W.	DRAWN BY: P.H.W. DATE: 6/25/92 HORIZ. SCALE: 1"=50' BOOK: 674 PAGE: 6-15 PROJECT NO.: 81034	SHEET <b>10</b>
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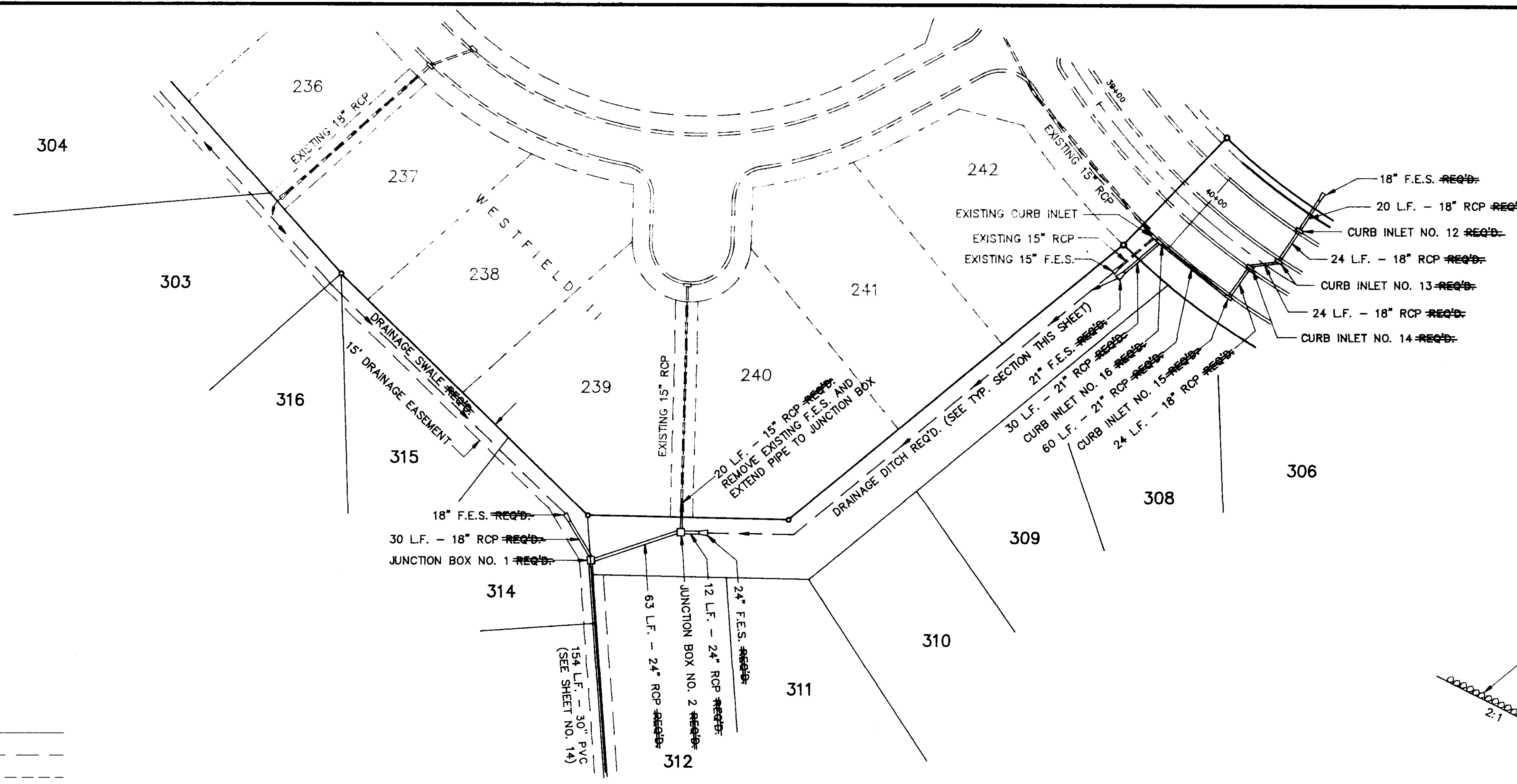


DRAWING NO. - 11-PP7

FIELD	REYNOLDS ENGINEERING, INC. POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	PROJECT	PHASE ELEVEN OF DINDOR	LOCATION	4" PVC FORCE MAIN STA. 10+00 TO EXISTING PUMP STATION	DATE	1/29/92 7/7/93	REVISION	1 AS-BUILT	BY	PH.W.	DRAWN BY:	PH.W.	SHEET	11
DATUM															

DATE: 6/25/92  
HORIZ. SCALE: 1"=50'  
BOOK: 674 PAGE: 6-15  
PROJECT NO.: 91034



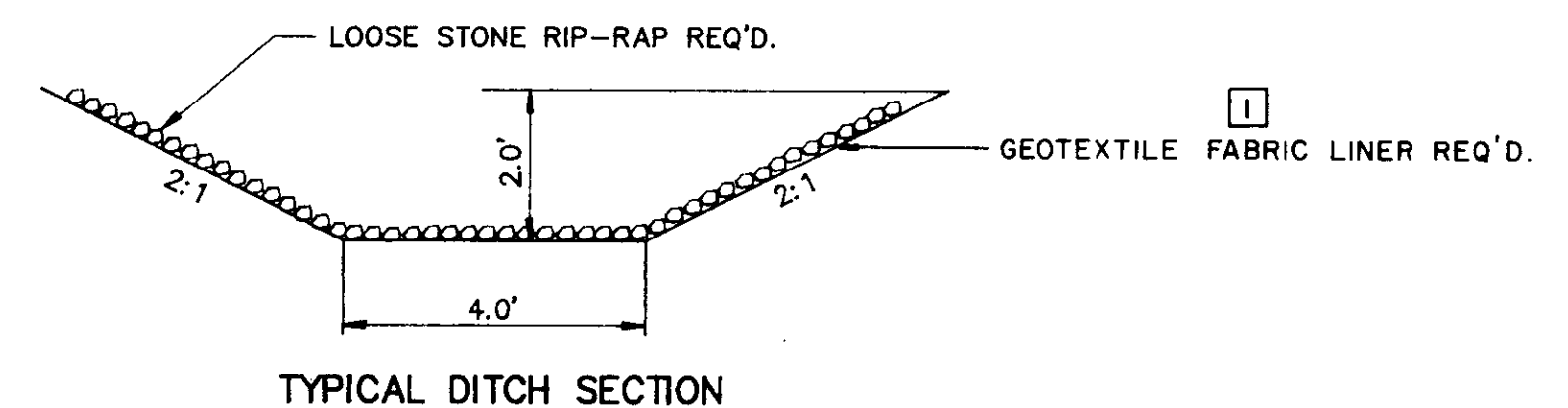


**CURB INLET LOCATION**

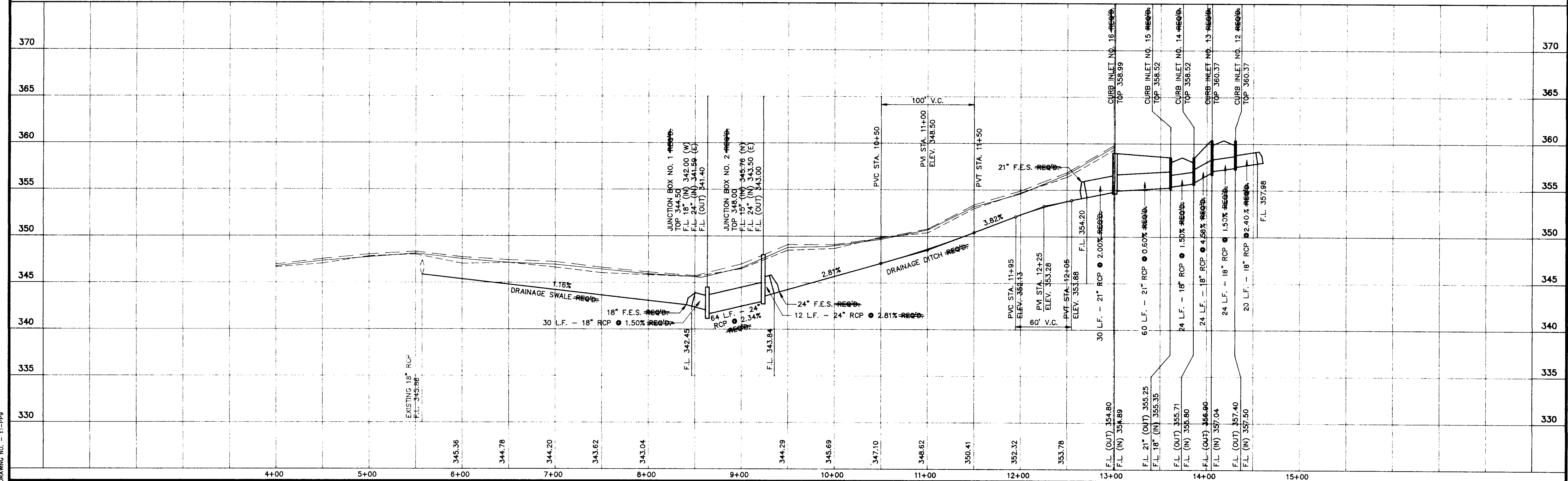
- CURB INLET NO. 12  
31.5' LT. OF STA. 40+63.19
- CURB INLET NO. 13  
7.5' LT. OF STA. 40+63.19
- CURB INLET NO. 14  
7.5' RT. OF STA. 40+49.52
- CURB INLET NO. 15  
31.5' RT. OF STA. 40+49.52
- CURB INLET NO. 16  
31.5' RT. OF STA. 39+93.44

**CURB INLET / JUNCTION BOX DATA**

- |   |  |
|---|--|
| CURB INLET NO. 12,13 & 14<br>D.A. = 2.5 AC.<br>Q = 10.5 CFS | JUNCTION BOX NO. 1<br>D.A. = 5.8 AC.<br>Q = 24.4 CFS |
| CURB INLET NO. 15<br>D.A. = 0.6 AC.<br>Q = 2.5 CFS          | JUNCTION BOX NO. 2<br>D.A. = 8.3 AC.<br>Q = 39.4 CFS |
| CURB INLET NO. 16<br>D.A. = 3.1 AC.<br>Q = 13.1 CFS         |  |



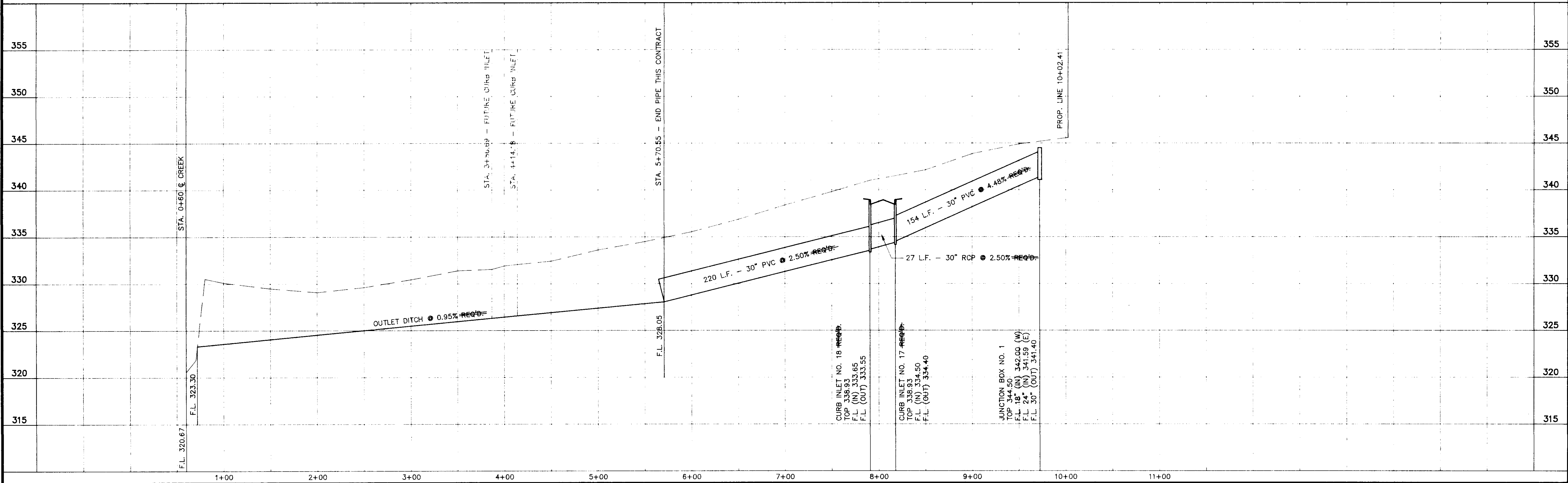
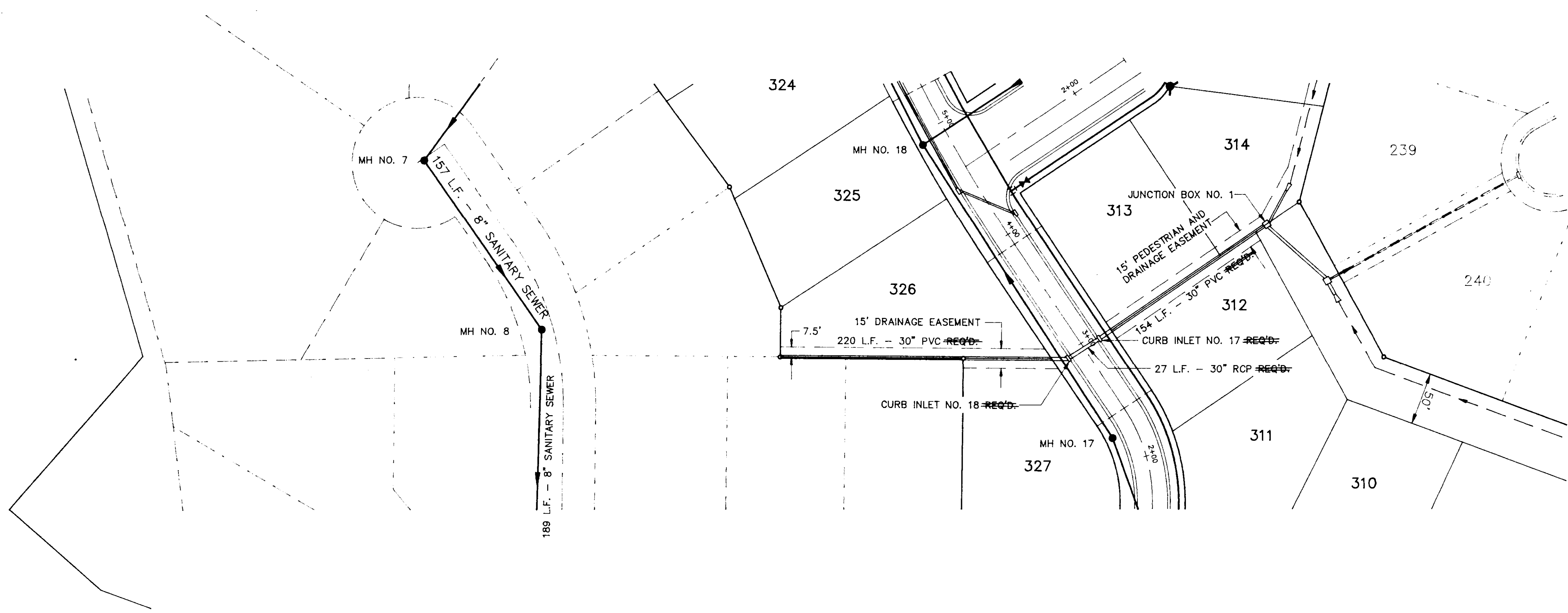
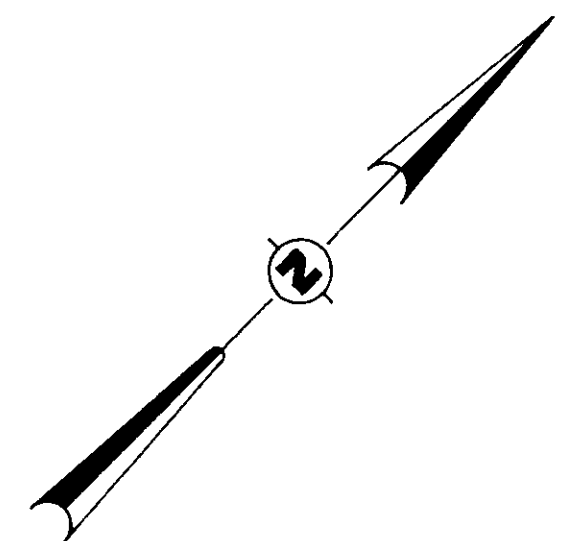
EXISTING GROUND - CENTERLINE  
EXISTING GROUND - 7.5' LEFT  
EXISTING GROUND - 7.5' RIGHT



DRAWING NO. - 11-PP9

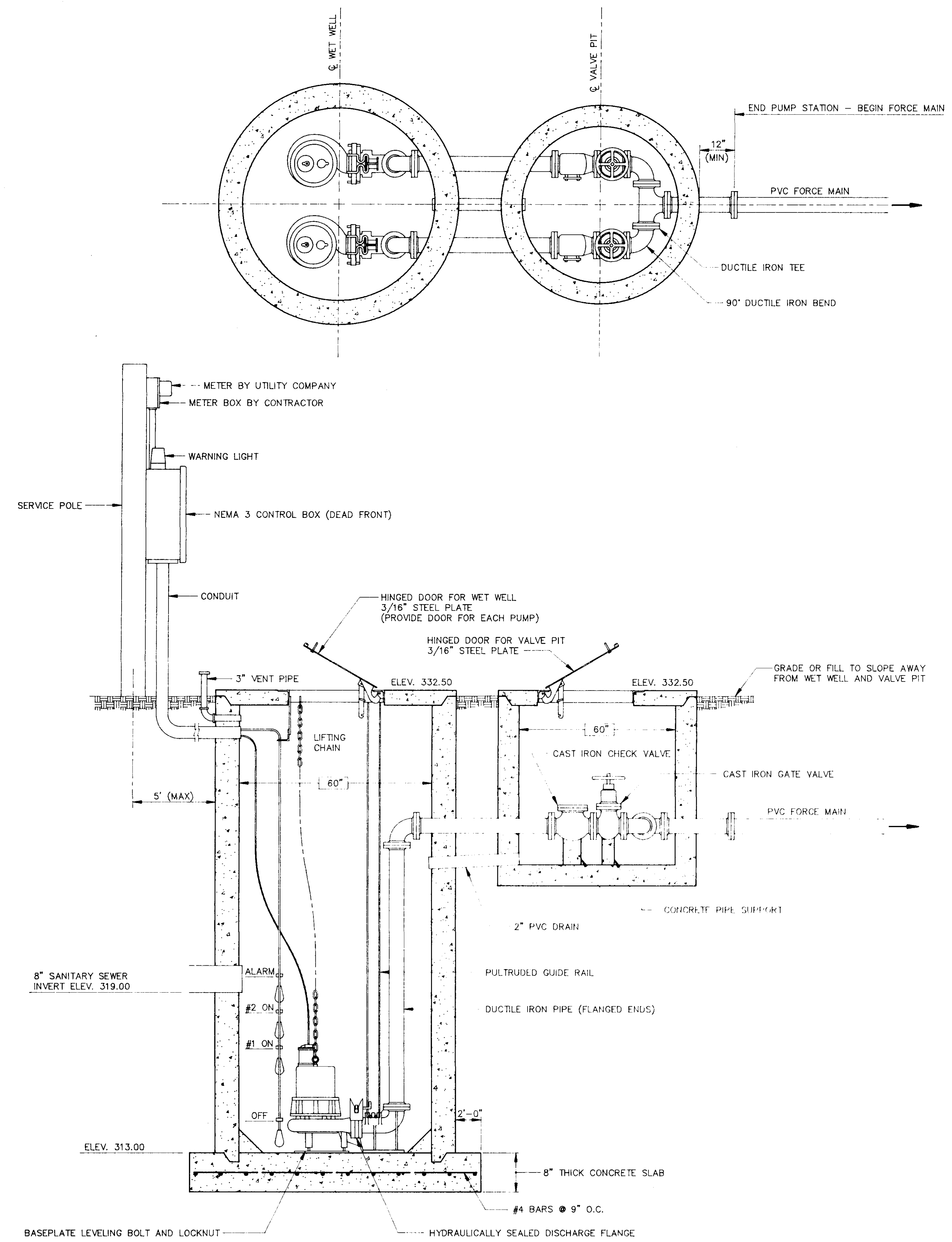
<p>FIELD</p> <p><b>REYNOLDS ENGINEERING, INC.</b> POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885</p> <p>DATUM</p>	<p>PROJECT</p> <p><b>PHASE ELEVEN OF DINSMOR</b></p>	<p>LOCATION</p> <p><b>DRAINAGE IMPROVEMENTS NORTH PROPERTY LINE + DINSMOR CROSSING</b></p>	<p>DATE</p> <p>7/29/92 7/7/93</p>	<p>REVISION</p> <p>AS-BUILT</p>	<p>BY</p> <p>P.H.W.</p>	<p>DRAWN BY: P.H.W.</p> <p>DATE: 6/25/92</p> <p>HORIZ. SCALE: 1"=50'</p> <p>BOOK: 167 PAGE: 56-59</p> <p>PROJECT NO.: 91034</p>	<p>SHEET</p> <p style="text-align: center; font-size: 24pt;"><b>13</b></p>
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**CURB INLET DATA**  
 CURB INLET NO. 18 13.5' LT. OF STA. 2+95.50 D.A.= 9.2 AC. Q= 38.6 CFS  
 CURB INLET NO. 17 13.5' RT. OF STA. 2+95.50 D.A.= 8.9 AC. Q= 37.4 CFS



DRAWING NO. - 11-PP10

FIELD DATUM	<b>REYNOLDS ENGINEERING, INC.</b> POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885		PROJECT	LOCATION	DATE	REVISION	BY	DRAWN BY: P.H.W.	SHEET
	<b>PHASE ELEVEN OF DINSMOR</b>		<b>DRAINAGE IMPROVEMENTS          NORTH PROPERTY LINE TO CREEK</b>	7/7/93	AS-BUILT	P.H.W.	DATE: 6/25/92	HORIZ. SCALE: 1"=50'	14
								BOOK: 674 PAGE: 23-24	
								PROJECT NO.: 91034	



**CONTROL SETTINGS**

HIGH WATER ALARM	ELEV. 318.50
PUMP NO. 2 ON	ELEV. 317.50
PUMP NO. 1 ON	ELEV. 316.15
PUMP OFF	ELEV. 314.33
BOTTOM WET WELL	ELEV. 313.00

**EQUIPMENT SELECTION**

1. PUMP: HYDRO-MATIC S4M
2. TOTAL DYNAMIC HEAD: 57'
3. HORSEPOWER: 170 GPM
4. RPM: 1750
5. IMPELLER: 8"

**NOTES:**

1. SEE MFG. SUBMITTAL FOR PUMP MOUNTING PLATES AND HOLE LOCATIONS.
2. SEE MFG. SUBMITTAL FOR HATCH OPENING SIZE REQUIREMENTS FOR PRE-CAST WETWELL COVER.

DRAWING NO. - 11-PWP