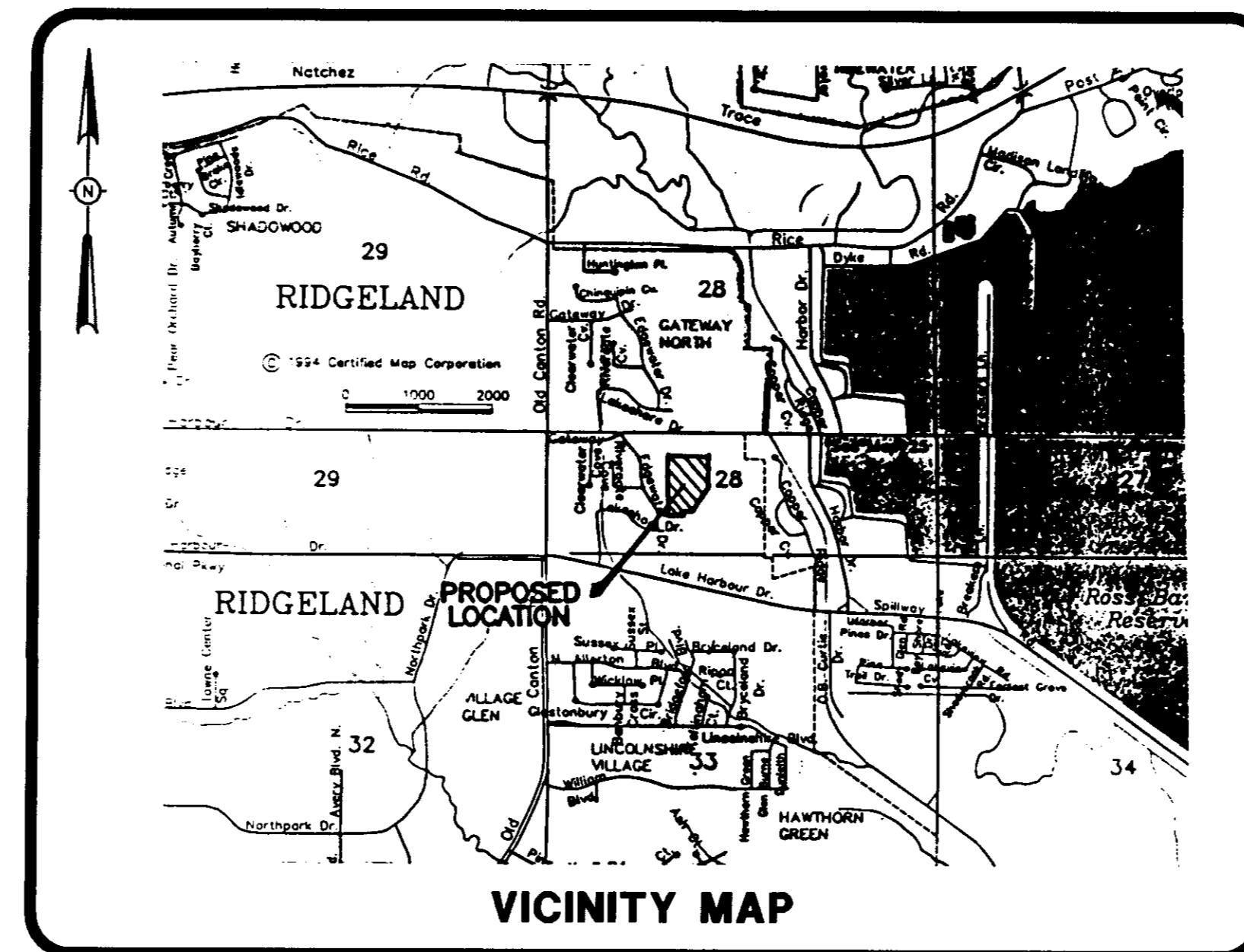


# RECORD DRAWINGS

## FOR

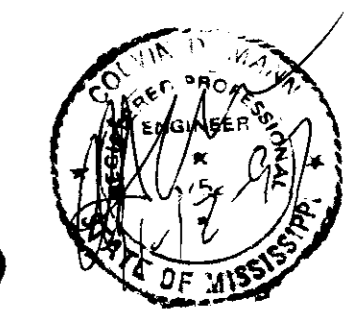
# HIGHLAND COVE, PHASES II & III



### DRAWING INDEX

- 1 - COVER SHEET
- 2 - GEOMETRIC LAYOUT
- 3 - DRAINAGE AND GRADING LAYOUT
- 4 - SANITARY SEWER AND WATER LAYOUT
- 4A- ASBUILT SANITARY SEWER AND WATER LAYOUT
- 5 - EROSION, SEDIMENT AND STORMWATER CONTROL PLAN
- 6 - PLAN AND PROFILE - BRASHEAR'S POINT (STA. 0+00 TO STA. 10+00)
- 7 - PLAN AND PROFILE - CARLYLE COVE (STA. 0+00 TO STA. 4+11.52)
- 8 - PLAN AND PROFILE - ELM'S COVE (STA. 0+00 TO STA. 3+48.12)
- 9 - STANDARD SANITARY SEWER DETAILS
- 10 - STANDARD STORM SEWER DETAILS
- 11 - STANDARD WATER DETAILS

DRAWING NO. HCCVR



PWP 00832

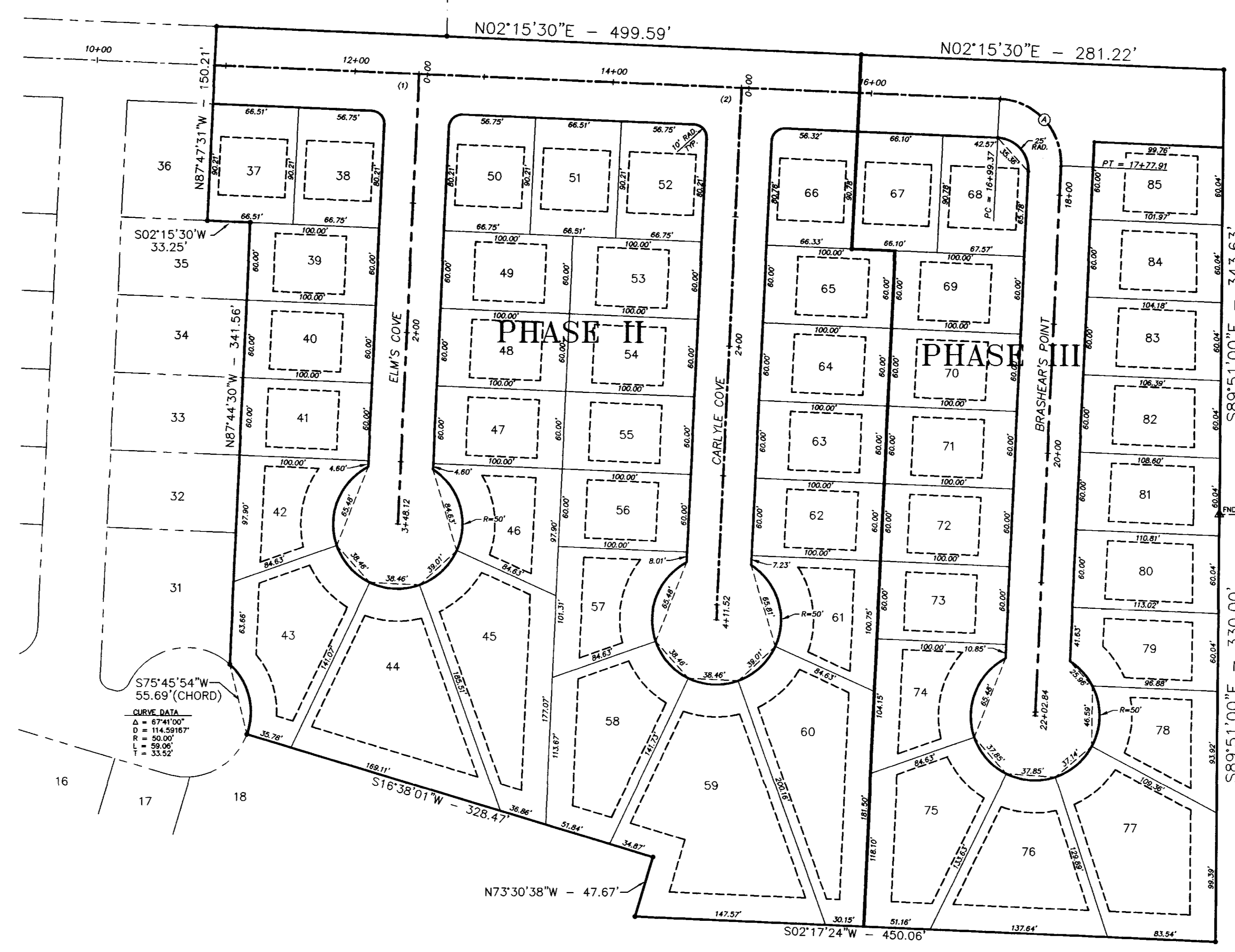
**H D LANG AND ASSOCIATES, INC.**  
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DEVELOPER  
**E & A ASSOCIATES, INC.**

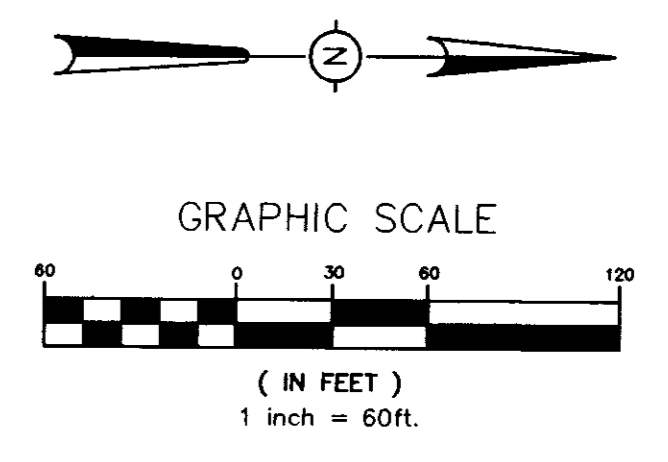
LOCATION  
 SITUATED IN THE  
 EAST 1/2 OF THE SW 1/4 AND THE WEST 1/2  
 OF THE SE 1/4  
 SECTION 28, TOWNSHIP 7 NORTH, RANGE 2 EAST  
 CITY OF RIDGELAND, MADISON COUNTY, MISSISSIPPI

DATE	REVISION	BY	DRAWN BY: DJW
10/27/97	RECORD DRAWING	DJW	DATE: 07/28/97
			SCALE:
			BOOK: PAGE:
			PROJECT NO.: 96-035

SHEET  
**1**



④ CENTERLINE CURVE DATA  
 Δ = 80°00'00"  
 D = 114.59167'  
 R = 50.00'  
 L = 78.54'  
 T = 50.00'



CENTERLINE INTERSECTIONS  
 (1) STA 12+49.37 BRASHEAR'S POINT - STA 0+00 ELMS COVE  
 (2) STA 14+99.37 BRASHEAR'S POINT - STA 0+00 CARLYLE COVE

NOTES:  
 1) CHORD DISTANCES ARE GIVEN ALONG CURVES.  
 2) DASHED LINES ON INSIDE OF LOTS INDICATES SETBACKS.

DRAWING NO. HG500

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PROJECT  
**HIGHLAND COVE SUBDIVISION, PHASES II & III**

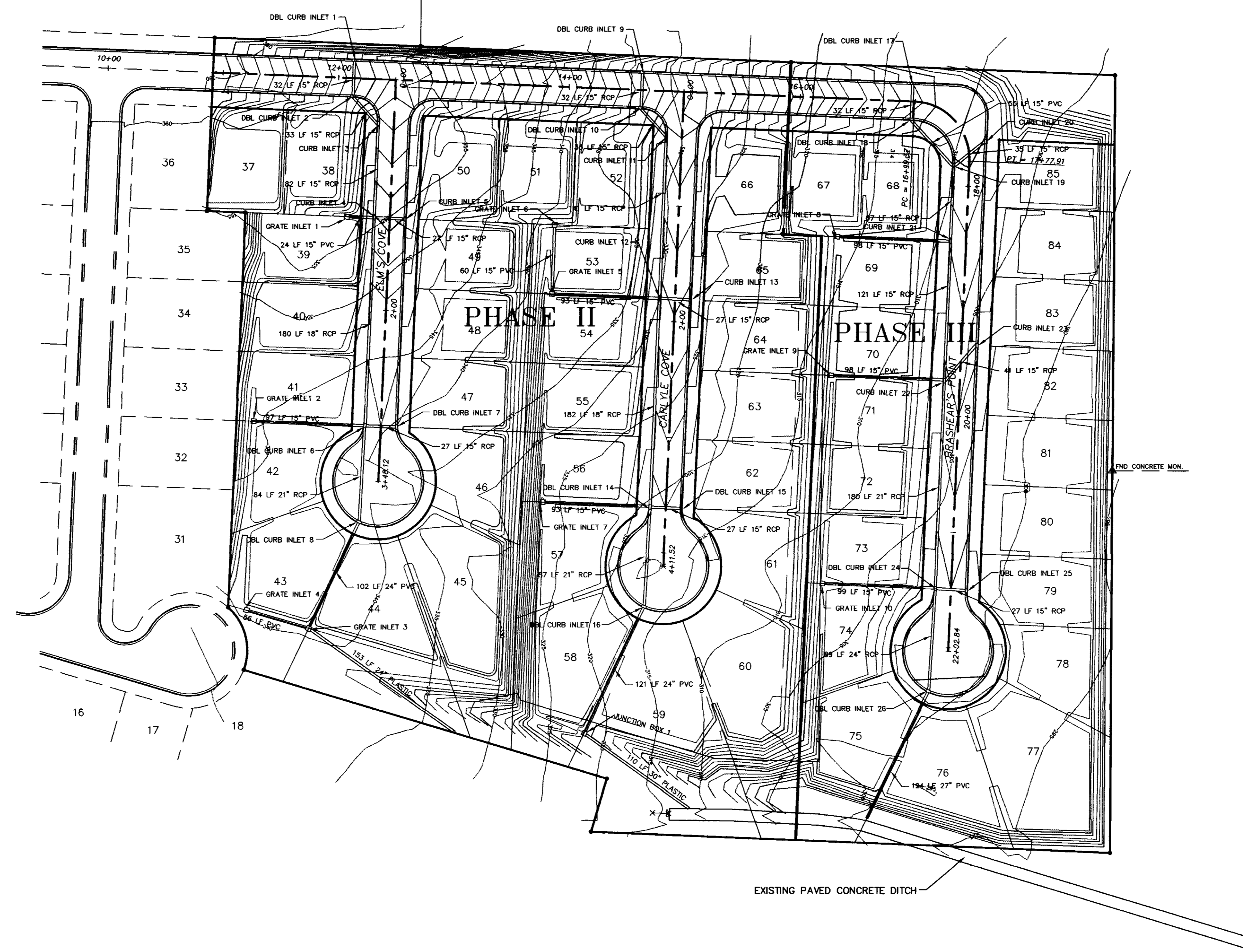
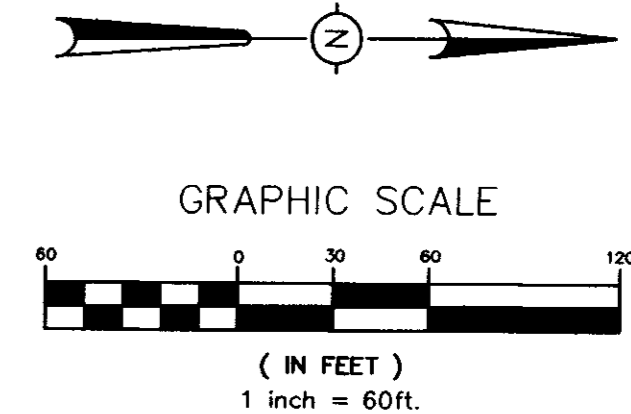
DESCRIPTION  
**GEOMETRIC LAYOUT**

DATE	REVISION	BY	DRAWN BY:
10/27/97	RECORD DRAWING	DJW	DJW
			DATE: 07/28/97
			SCALE: 1"=60'
			BOOK: PAGE:
			PROJECT NO.: 97-021

SHEET  
**2**

DRAINAGE STRUCTURE SCHEDULE

DBL CURB INLET NO. 1 15.50 LT OF STA. 12+13 D.A. = 0.42oc TC= 6.5 I= 11.21 Q= 3.5	DBL CURB INLET NO. 2 15.50 RT OF STA. 12+13 D.A. = 0.14oc E.D.A. = 0.26oc TC= 6.5 I= 11.21 Q= 4.7	CURB INLET NO. 3 15.50 RT OF STA. 0+38 D.A. = 0.19oc E.D.A. = 0.75oc TC= 6.7 I= 11.10 Q= 5.2	CURB INLET NO. 4 15.50 RT OF STA. 1+20 D.A. = 0.07oc E.D.A. = 1.00oc TC= 7.7 I= 10.55 Q= 7.9	CURB INLET NO. 5 15.50 LT OF STA. 1+20 D.A. = 0.07oc E.D.A. = 1.00oc TC= 7.7 I= 10.55 Q= 7.9	DBL CURB INLET NO. 6 15.50 RT OF STA. 3+00 D.A. = 0.40oc E.D.A. = 1.89oc TC= 9.6 I= 9.68 Q= 12.2	DBL CURB INLET NO. 7 15.50 LT OF STA. 3+00 D.A. = 0.10oc E.D.A. = 2.09oc TC= 10.1 I= 9.47 Q= 14.3	DBL CURB INLET NO. 8 15.50 RT OF STA. 3+42 D.A. = 0.33oc E.D.A. = 2.09oc TC= 10.1 I= 9.47 Q= 2.5	DBL CURB INLET NO. 9 15.50 LT OF STA. 14+63 D.A. = 0.29oc E.D.A. = 2.09oc TC= 6.0 I= 11.52 Q= 2.1
DBL CURB INLET NO. 10 15.50 RT OF STA. 14+63 D.A. = 0.14oc E.D.A. = 0.53oc TC= 6.0 I= 11.52 Q= 4.6	CURB INLET NO. 11 15.50 RT OF STA. 0+38 D.A. = 0.25oc E.D.A. = 0.78oc TC= 8.0 I= 11.15 Q= 4.6	CURB INLET NO. 12 15.50 RT OF STA. 1+80 D.A. = 0.29oc E.D.A. = 1.46oc TC= 8.0 I= 10.40 Q= 11.4	CURB INLET NO. 13 15.50 LT OF STA. 1+80 D.A. = 0.06oc E.D.A. = 1.46oc TC= 8.0 I= 10.40 Q= 11.4	DBL CURB INLET NO. 14 15.50 LT OF STA. 3+42 D.A. = 0.41oc E.D.A. = 2.86oc TC= 9.5 I= 11.15 Q= 17.3	DBL CURB INLET NO. 15 15.50 LT OF STA. 3+42 D.A. = 0.08oc E.D.A. = 2.86oc TC= 7.3 I= 10.76 Q= 0.6	DBL CURB INLET NO. 16 15.50 RT OF STA. 4+46 D.A. = 0.29oc E.D.A. = 3.54oc TC= 10.0 I= 9.51 Q= 19.0	DBL CURB INLET NO. 17 15.50 LT OF STA. 16+98 D.A. = 0.13oc E.D.A. = 3.54oc TC= 5.9 I= 11.58 Q= 1.1	DBL CURB INLET NO. 18 15.50 RT OF STA. 16+98 D.A. = 0.11oc E.D.A. = 3.24oc TC= 5.9 I= 11.91 Q= 2.1
CURB INLET NO. 19 15.50 RT OF STA. 17+92 D.A. = 0.26oc E.D.A. = 0.56oc TC= 6.7 I= 11.10 Q= 4.7	CURB INLET NO. 20 15.50 LT OF STA. 17+92 D.A. = 0.06oc E.D.A. = 0.91oc TC= 5.2 I= 12.05 Q= 0.5	CURB INLET NO. 21 15.50 RT OF STA. 18+48 D.A. = 0.16oc E.D.A. = 0.91oc TC= 7.5 I= 10.66 Q= 7.3	CURB INLET NO. 22 15.50 RT OF STA. 18+48 D.A. = 0.20oc E.D.A. = 1.81oc TC= 8.9 I= 10.87 Q= 13.7	CURB INLET NO. 23 15.50 LT OF STA. 19+38 D.A. = 0.33oc E.D.A. = 3.07oc TC= 8.9 I= 10.88 Q= 2.5	DBL CURB INLET NO. 24 15.50 RT OF STA. 21+49 D.A. = 0.35oc E.D.A. = 3.07oc TC= 10.2 I= 8.43 Q= 21.3	DBL CURB INLET NO. 25 15.50 LT OF STA. 21+49 D.A. = 0.35oc E.D.A. = 3.54oc TC= 10.9 I= 9.17 Q= 4.3	DBL CURB INLET NO. 26 15.50 RT OF STA. 22+57 D.A. = 0.53oc E.D.A. = 3.54oc TC= 10.9 I= 9.17 Q= 4.3	GRATE INLET NO. 1 15.50 RT OF STA. 22+57 D.A. = 0.14oc E.D.A. = 5.0 TC= 5.0 I= 12.19 Q= 1.3
GRATE INLET NO. 2 D.A. = 0.18oc TC= 6.2 I= 11.39 Q= 1.5	GRATE INLET NO. 3 E.D.A. = 2.14oc TC= 10.8 I= 9.28 Q= 14.9	GRATE INLET NO. 4 D.A. = 0.13oc TC= 7.4 I= 10.71 Q= 1.0	GRATE INLET NO. 5 D.A. = 0.15oc E.D.A. = 0.33oc TC= 5.2 I= 12.05 Q= 3.0	GRATE INLET NO. 6 D.A. = 0.114oc TC= 5.0 I= 12.19 Q= 1.3	GRATE INLET NO. 7 D.A. = 0.42oc TC= 5.0 I= 11.91 Q= 3.8	GRATE INLET NO. 8 D.A. = 0.19oc TC= 5.0 I= 12.19 Q= 1.7	GRATE INLET NO. 9 D.A. = 0.40oc TC= 5.0 I= 12.19 Q= 3.7	GRATE INLET NO. 10 D.A. = 0.5oc TC= 5.0 I= 11.77 Q= 4.4



NOTES:  
1) ALL GRATE INLETS ARE  
"RAISED GRATE".

DRAWING NO. HCDG3

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PROJECT  
**HIGHLAND COVE SUBDIVISION, PHASES II & III**

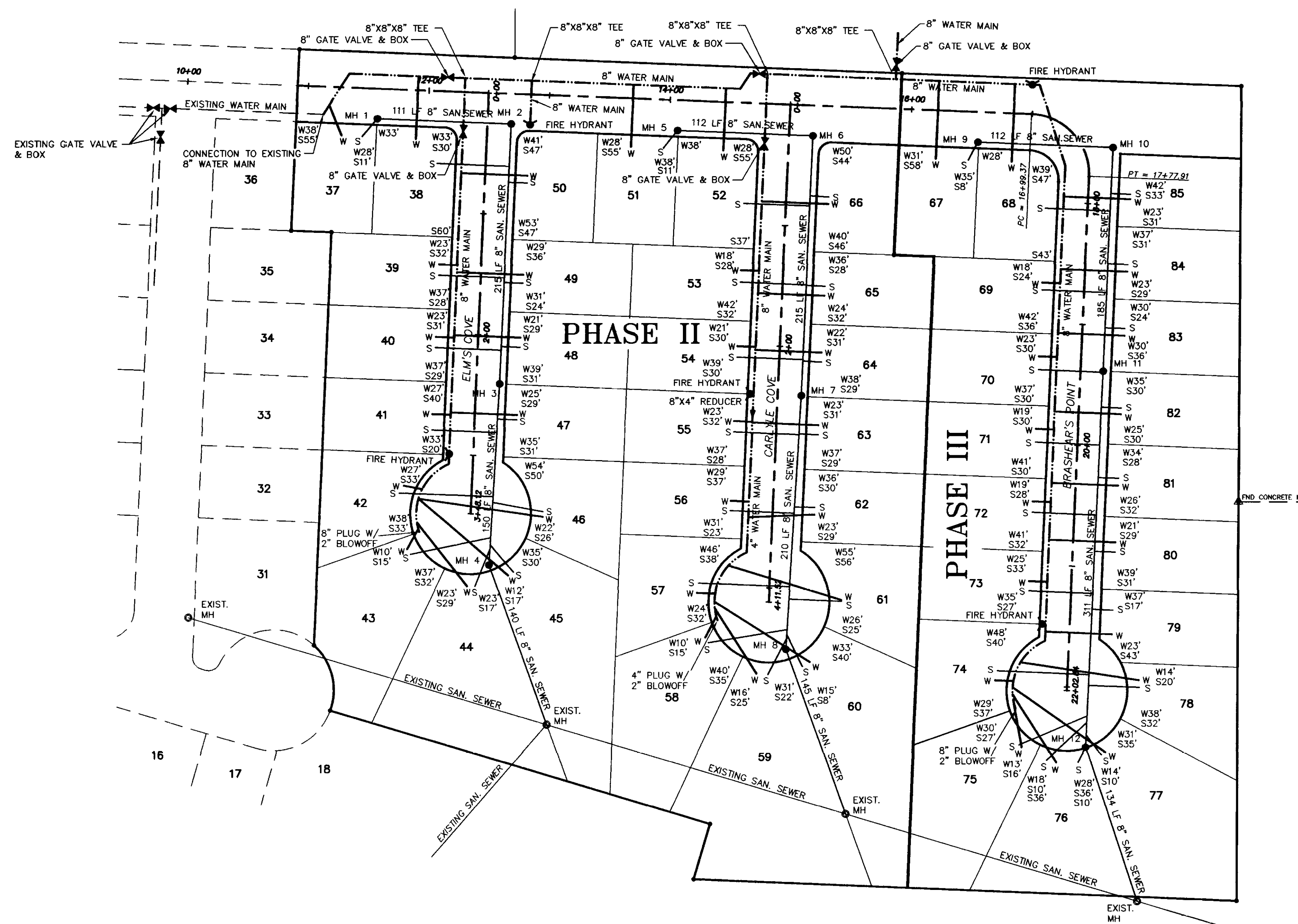
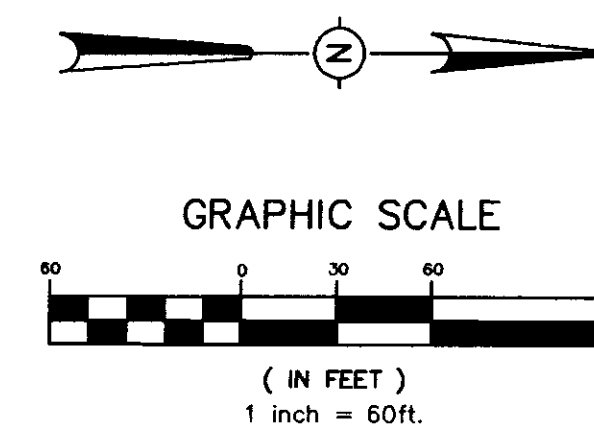
DESCRIPTION  
**DRAINAGE & GRADING LAYOUT**

DATE	REVISION	BY
10/27/97	RECORD DRAWING	DJW

DRAWN BY: DJW  
DATE: 07/28/97  
SCALE: 1"=60'  
BOOK: PAGE:  
PROJECT NO.: 97-021

SHEET  
**3**





DRAWING NO. HCSHWAS

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JACKSON, MISSISSIPPI 39236

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PROJECT

HIGHLAND COVE SUBDIVISION, PHASES II & III

DESCRIPTION

ASBUILT SEWER & WATER LAYOUT

DATE

10/27/97

REVISION

RECORD DRAWING

BY

DJW

DRAWN BY: DJW

DATE: 07/28/97

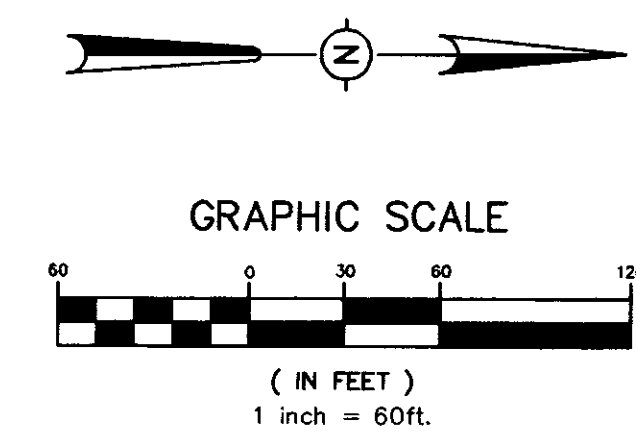
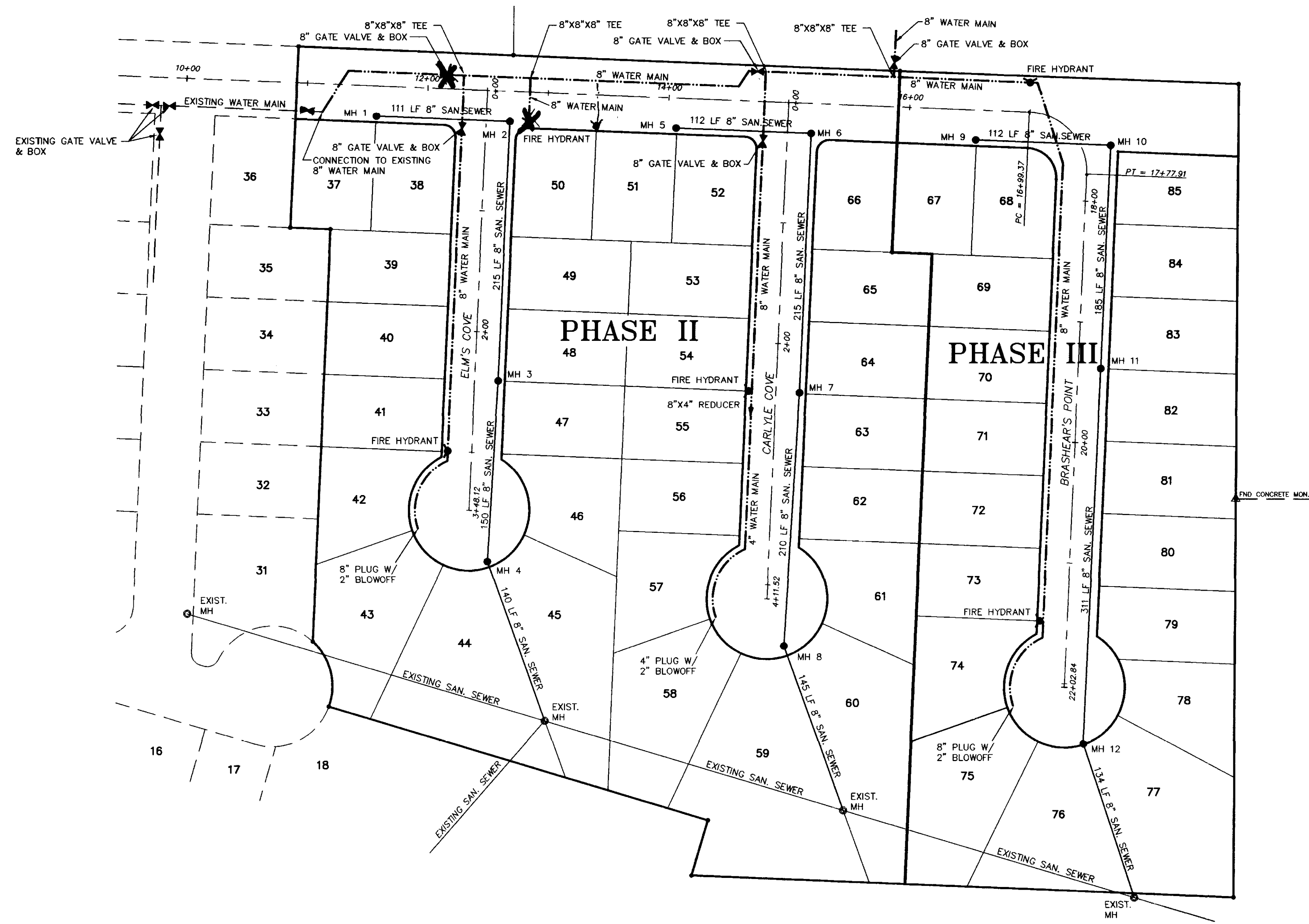
SCALE: 1"=60'

BOOK: PAGE:

PROJECT NO.: 97-021

SHEET

4



DRAWING NO. HCSW4

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PROJECT  
**HIGHLAND COVE SUBDIVISION, PHASES II & III**

DESCRIPTION  
**SEWER & WATER LAYOUT**

DATE	REVISION	BY	DRAWN BY: DJW
10/27/97	RECORD DRAWING	DJW	DATE: 07/28/97
			SCALE: 1"=60'
			BOOK: PAGE:
			PROJECT NO.: 97-021

SHEET  
**4**

**SYMBOLS FOR EROSION AND SEDIMENT CONTROL PRACTICES**

**TEMPORARY PRACTICES**

- → → CHECK DAM
- CONSTRUCTION ENTRANCE / EXIT
- D ← DIVERSION
- DUST CONTROL
- SEDIMENT BASIN
- SILT FENCE
- STORM DRAIN INLET PROTECTION (SILT FENCE, STRAW BALE)
- STRAW BALE BARRIER

**PERMANENT PRACTICES**

- BUFFER ZONE
- DETENTION BASIN
- D ← DIVERSION
- GRADE STAB. STRUCTURE
- GRASSED WATERWAY
- LAND GRADING
- LEVEL GRADING
- LINED WATERWAY OR OUTLET
- PARKING LOT STORAGE
- PAVED FLUME
- ROCK OUTLET PROTECTION
- STORMWATER RETENTION BASIN

**VEGETATIVE PRACTICES**

- MULCHING
- PERMANENT SEEDING
- SODDING
- TEMPORARY SEEDING
- TOPSOILING
- TREE PRESERVATION AND PROTECTION
- TREES, SHRUBS, VINES AND GROUND COVER
- VEGETATIVE DUNE STABILIZATION

**COMPOSITE PRACTICES**

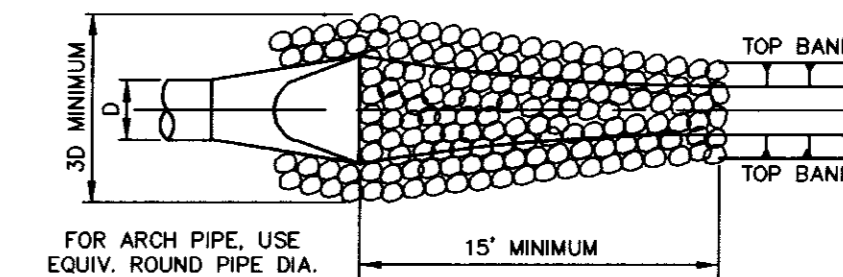
- VEGETATIVE STREAMBANK STAB.
- STRUCTURAL STREAMBANK STAB.
- RIPRAP

**PLANNED EROSION, SEDIMENT AND STORMWATER CONTROL PRACTICES**

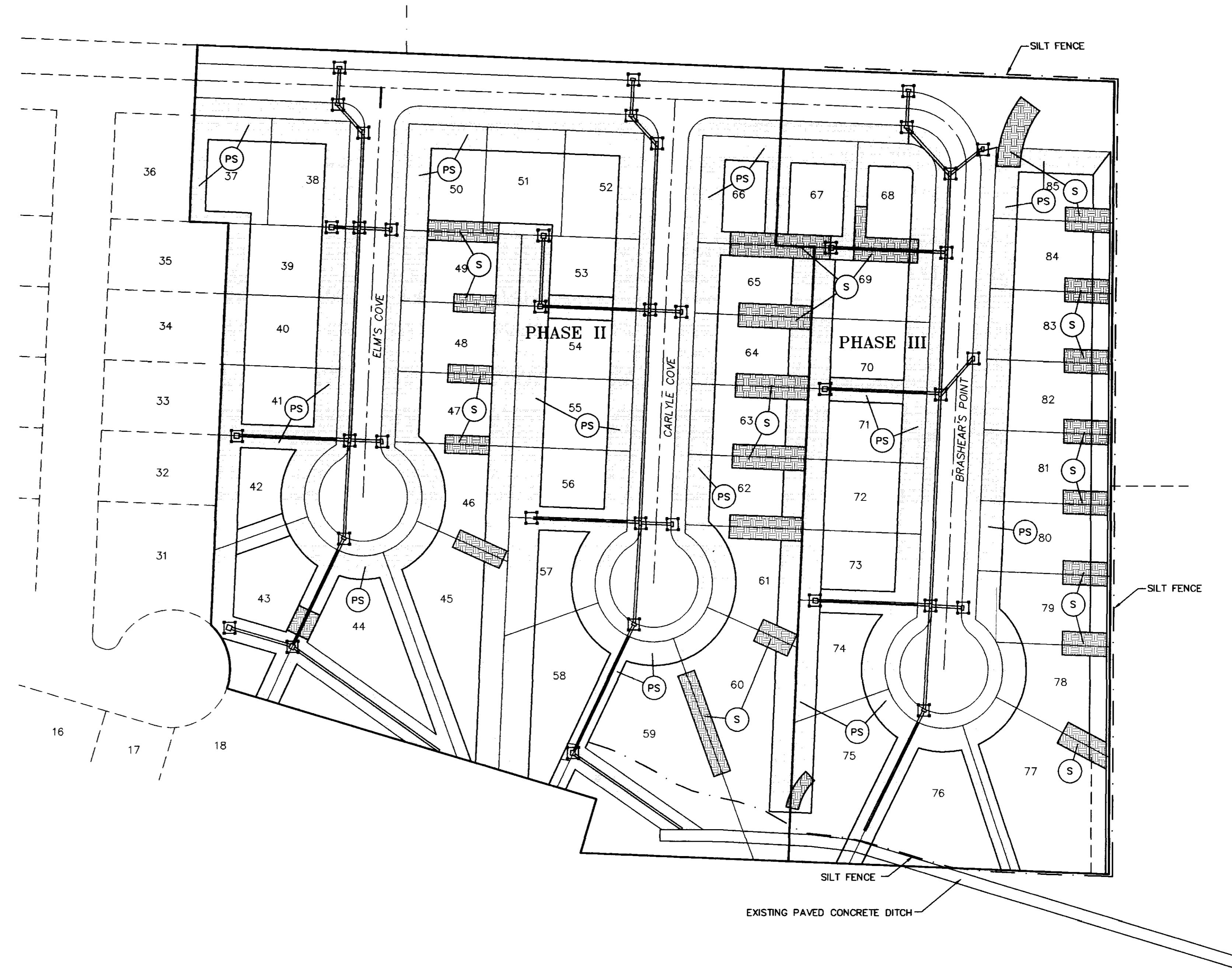
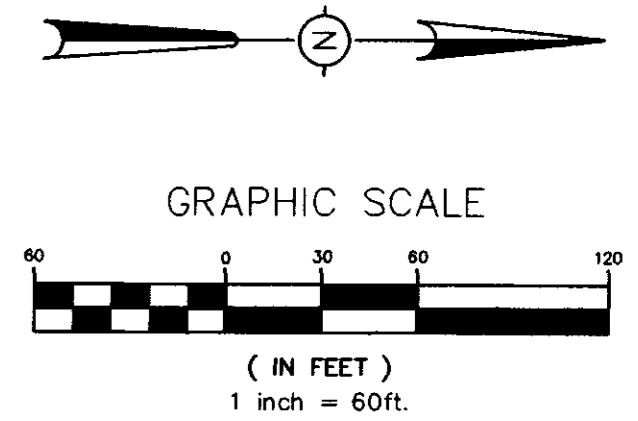
1. STORM DRAIN INLET PROTECTION.  
TEMPORARY HAY BALE AND SILT FENCE COMBINATIONS WILL BE INSTALLED AT ALL CURB INLET AND GRATE INLET LOCATIONS.
2. LAND GRADING  
EXCESS EXCAVATION FROM THE STREET RIGHTS OF WAY WILL BE PLACED ON THE LOTS OF LOWEST ELEVATION. ALL FILL MATERIALS WILL BE COMPACTED AND SLOPES WILL NOT EXCEED 3:1. ALL AREAS WILL RECEIVE SEEDING FOR STABILIZATION OF THE FILL MATERIAL UNTIL PERMANENT VEGETATION IS ESTABLISHED AFTER THE CONSTRUCTION OF THE INDIVIDUAL HOUSES.
3. ROCK OUTLET PROTECTION  
A RIPRAP APRON WILL BE LOCATED AT THE OUTLET OF ALL CULVERTS TO PREVENT SCOUR.
4. PERMANENT SEEDING  
ALL DISTURBED AREAS WILL BE PERMANENTLY SEEDING AND MULCHED ONCE FINAL GRADE IS ESTABLISHED. THE LAND GRADING AREAS PREVIOUSLY MENTIONED WILL RECEIVE TEMPORARY SEEDING AS STATED.

**MAINTENANCE PLAN**

- SHORT TERM
1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
  2. SEDIMENT WILL BE REMOVED FROM THE INLET PROTECTION DEVICES WHEN IT REACHES A MAXIMUM OF 6 INCHES DEEP. THE DEVICE WILL BE REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
  3. ALL SEEDED AREAS WILL BE FERTILIZED AND RESEEDING AS NECESSARY TO MAINTAIN A DENSE VEGETATIVE COVER.
- LONG TERM
1. ALL VEGETATED AREAS WILL BE MAINTAINED IN ADEQUATE CONDITION TO PROVIDE PROPER GROUND COVER.
  2. AREAS WHERE VEGETATION IS LOST WILL BE FERTILIZED, SEEDING AND MAINTAINED AS NECESSARY TO RESTORE PROPER GROUND COVER.
  3. STRUCTURAL MEASURES WILL BE EXAMINED AT LEAST ANNUALLY AND MAINTENANCE PERFORMED AS NEEDED.



**ROCK OUTLET PROTECTION**



**TEMPORARY SEEDING**  
ALL FILL AREAS OUTSIDE OF PAVED AREAS SHALL RECEIVE TEMPORARY SEEDING OF ANNUAL RYEGRASS AT 40 LBS./AC. WITH 13/13/13 FERTILIZER AT 600 LBS./AC.

ALL SLOPES SHALL RECEIVE TEMPORARY SEEDING AND FERTILIZER AND STRAW MULCH WITH ASPHALT TACK AT 1.5 TONS MULCH/AC. AND 100 GAL. EMULSIFIED ASPHALT, GRADE SS-1 AT 100 GAL./TON MULCH.

**PERMANENT SEEDING**  
PERMANENT SEEDING OF BERMUDA GRASS AT 15 LBS./AC. WITH 13/13/13 FERTILIZER AT 600 LBS./AC.

DRAWING NO. H3EC

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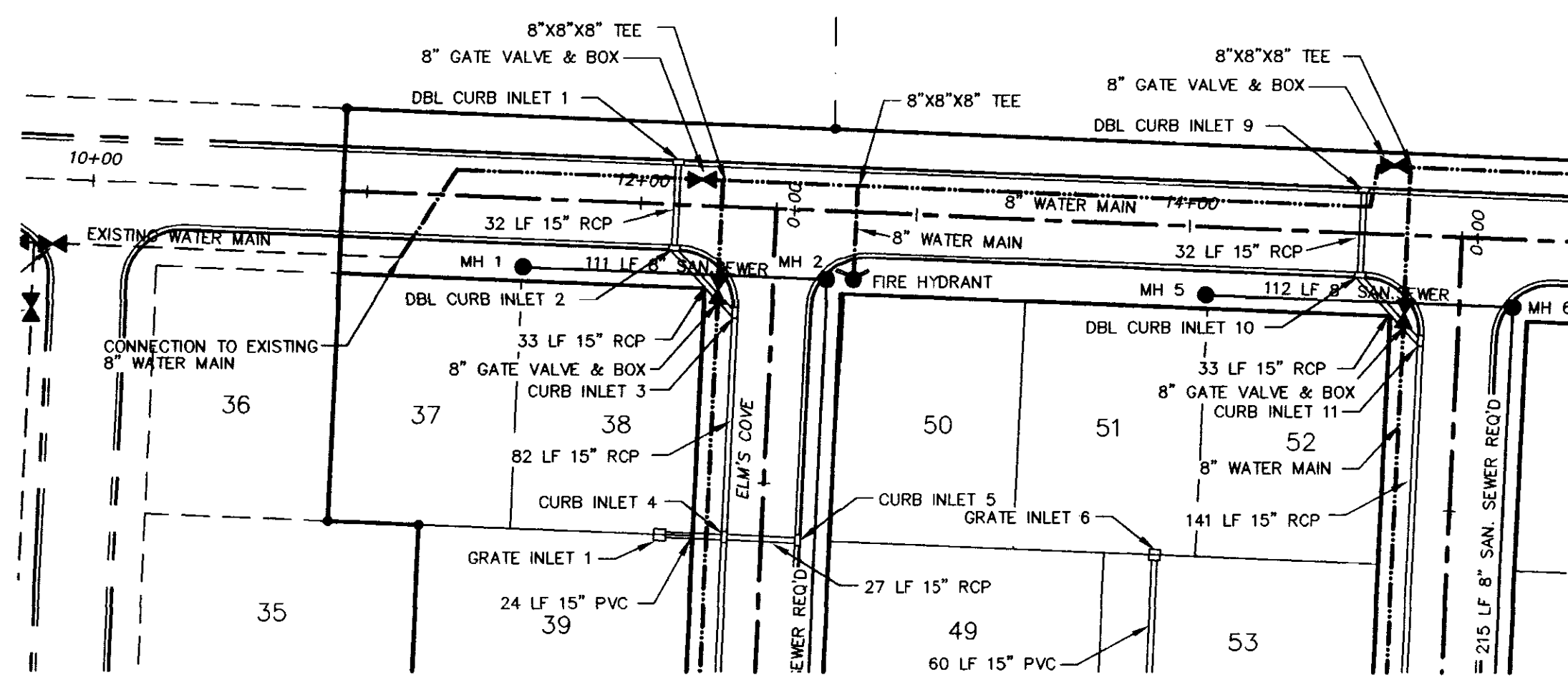
PROJECT  
**HIGHLAND COVE SUBDIVISION, PHASES II & III**

DESCRIPTION  
EROSION, SEDIMENT AND STORMWATER CONTROL PLAN

DATE	REVISION	BY	DRAWN BY:
10/27/97	RECORD DRAWING	DJW	DJW
			DATE: 07/28/97
			SCALE: 1"=60'
			BOOK: PAGE:
			PROJECT NO.: 97-021

SHEET  
**5**



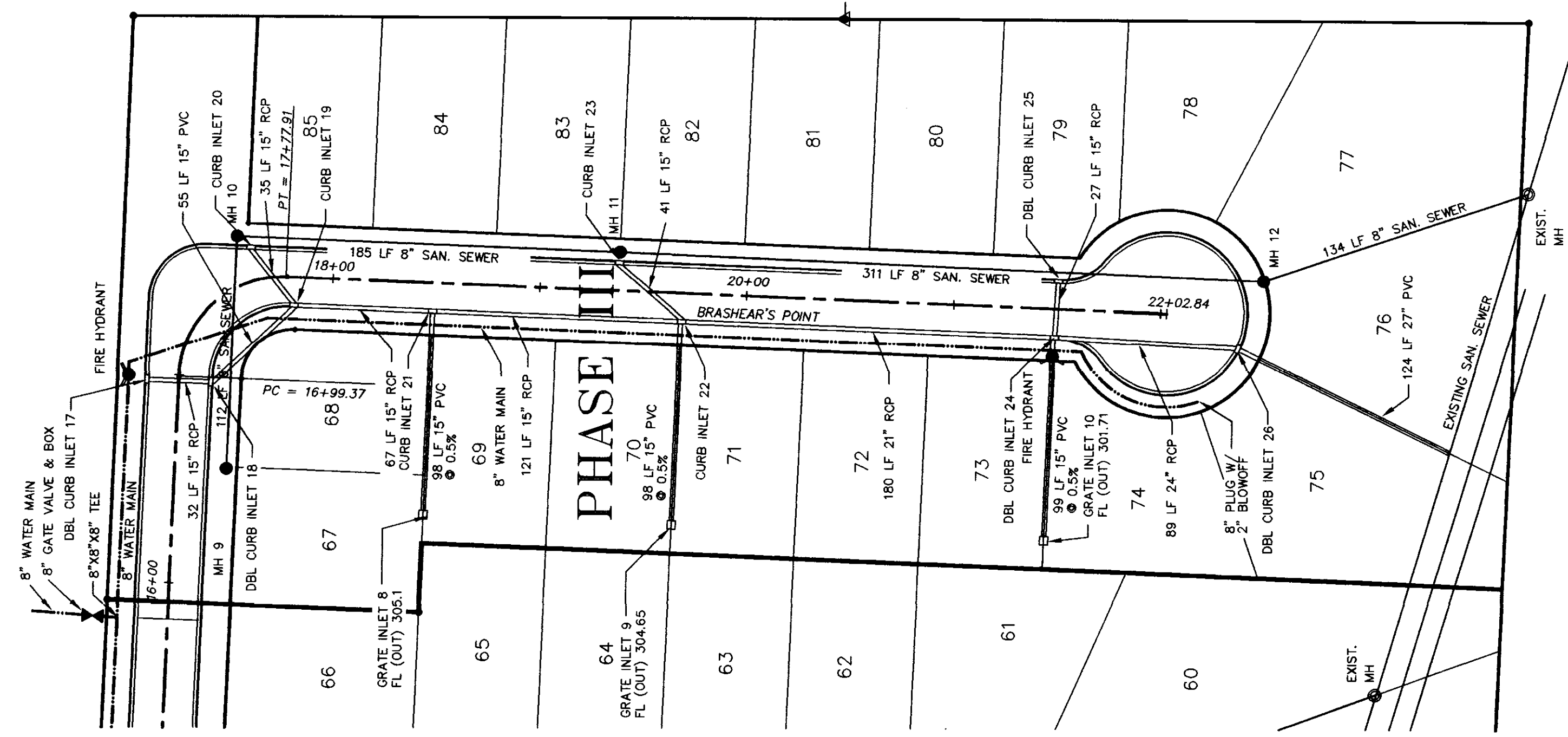
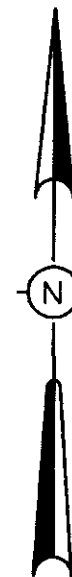


DRAINAGE STRUCTURE SCHEDULE

DBL CURB INLET NO. 1	DBL CURB INLET NO. 2	DBL CURB INLET NO. 9	DBL CURB INLET NO. 10	GRATE INLET NO. 1
15.50 LT OF STA. 12+13	15.50 RT OF STA. 12+13	15.50 LT OF STA. 14+63	15.50 RT OF STA. 14+63	D.A. = 0.14oc
D.A. = 0.42oc	D.A. = 0.14oc	D.A. = 0.29oc	D.A. = 0.14oc	I = 12.19
TC = 6.5	E.D.A. = 0.56oc	TC = 6.0	E.D.A. = 0.53oc	Q = 1.3
I = 11.21	TC = 6.5	I = 11.52	TC = 6.0	
Q = 3.5	Q = 4.7	Q = 2.5	Q = 4.6	

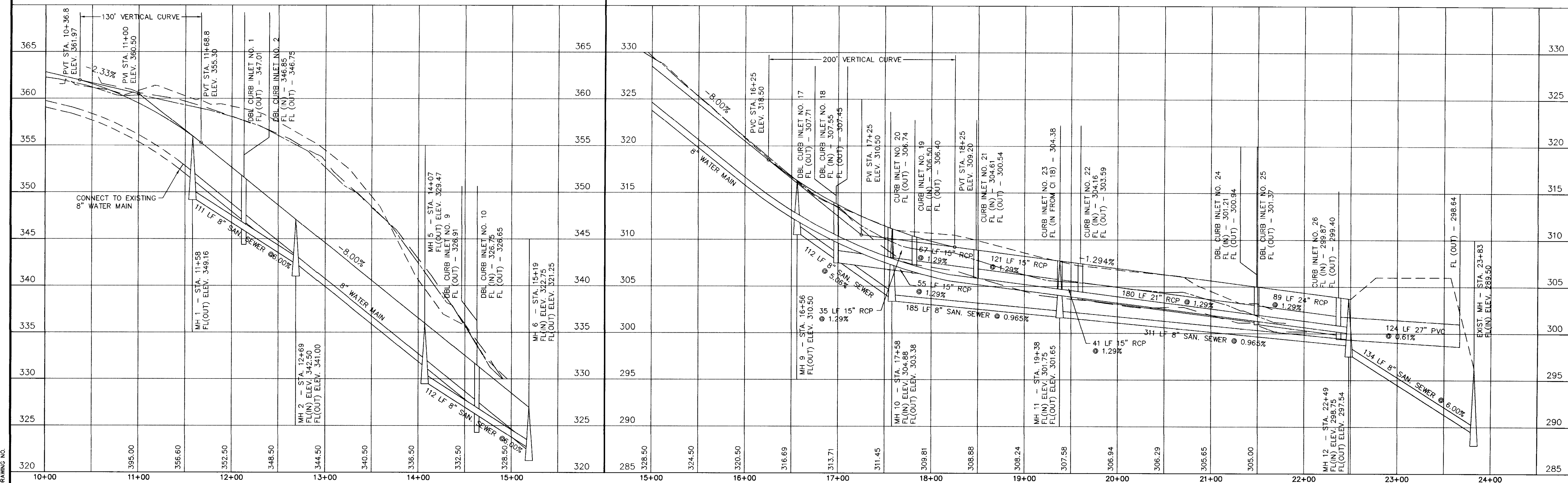
EXISTING GROUND - CENTERLINE  
 EXISTING GROUND - 25' LEFT  
 EXISTING GROUND - 25' RIGHT

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



DRAINAGE STRUCTURE SCHEDULE

DBL CURB INLET NO. 17	DBL CURB INLET NO. 18	CURB INLET NO. 19	CURB INLET NO. 20	CURB INLET NO. 21	CURB INLET NO. 22	CURB INLET NO. 23	DBL CURB INLET NO. 24	DBL CURB INLET NO. 25	DBL CURB INLET NO. 26	GRATE INLET NO. 8	GRATE INLET NO. 9	GRATE INLET NO. 10
15.50 LT OF STA. 16+98	15.50 RT OF STA. 16+98	15.50 RT OF STA. 17+82	15.50 LT OF STA. 17+36	15.50 RT OF STA. 18+48	15.50 RT OF STA. 19+36	15.50 LT OF STA. 21+49	15.50 RT OF STA. 21+49	15.50 LT OF STA. 22+37	15.50 RT OF STA. 22+37	D.A. = 0.19oc	D.A. = 0.40oc	D.A. = 0.50oc
D.A. = 0.13oc	D.A. = 0.11oc	D.A. = 0.26oc	D.A. = 0.06oc	D.A. = 0.16oc	D.A. = 0.20oc	D.A. = 0.35oc	D.A. = 0.20oc	D.A. = 0.35oc	D.A. = 0.35oc	I = 12.19	I = 12.19	I = 11.77
TC = 5.9	E.D.A. = 0.24oc	E.D.A. = 0.56oc	TC = 5.2	E.D.A. = 0.91oc	E.D.A. = 1.81oc	TC = 6.9	E.D.A. = 3.01oc	E.D.A. = 3.01oc	E.D.A. = 3.54oc	Q = 1.7	Q = 3.7	Q = 4.4
I = 11.58	TC = 5.9	TC = 6.7	I = 12.05	I = 10.66	I = 10.87	I = 10.98	I = 10.2	I = 10.2	TC = 10.9			
Q = 1.1	I = 11.91	I = 11.10	Q = 0.5	I = 10.86	I = 10.87	Q = 2.5	I = 9.43	I = 9.43	I = 9.17			

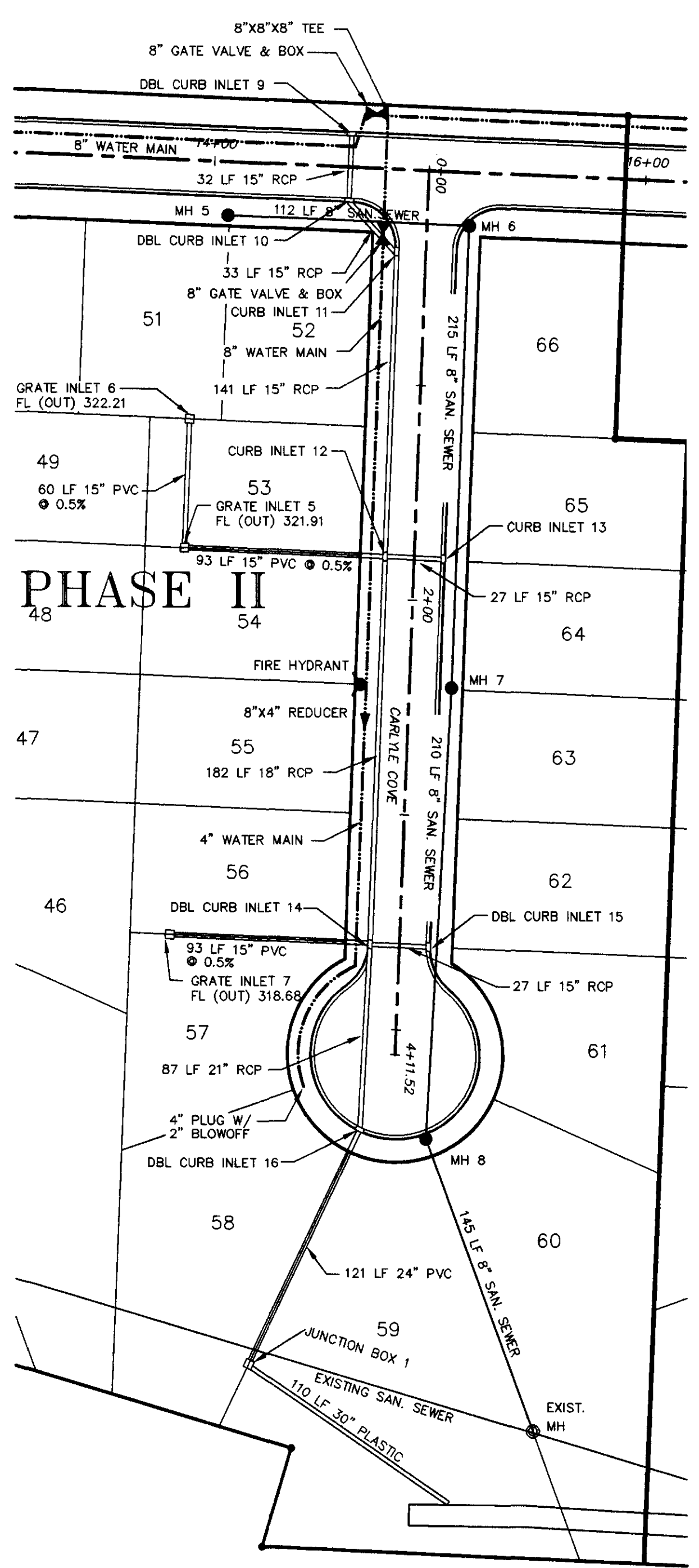


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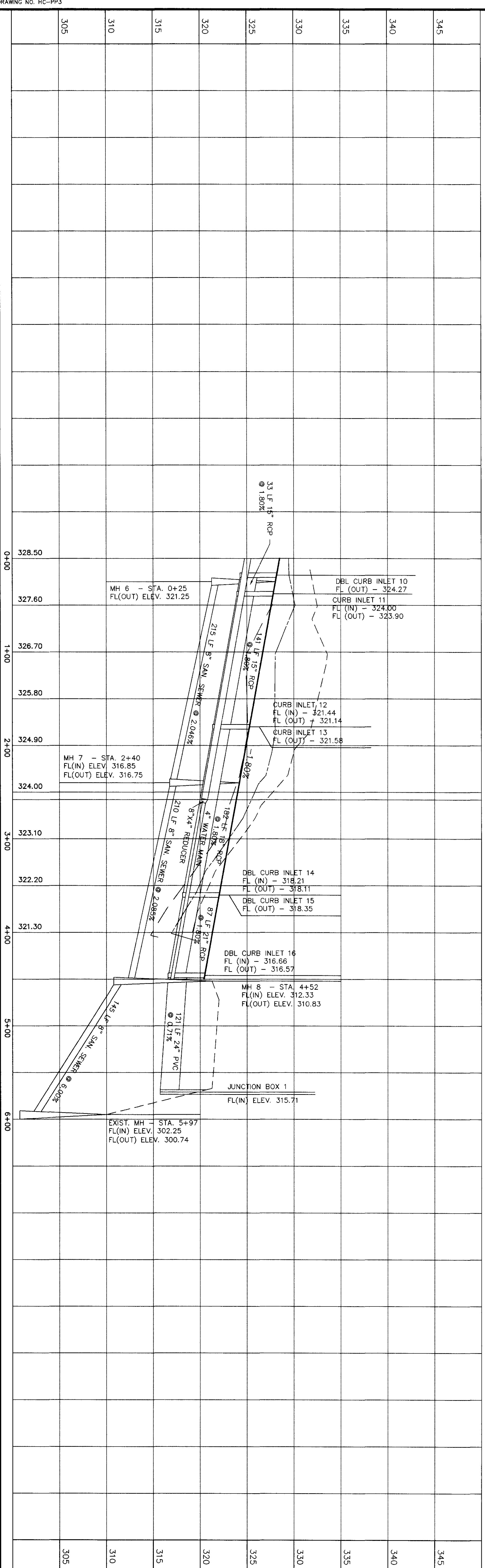
PROJECT	DESCRIPTION	DATE	REVISION	BY	DRAWN BY:	SHEET
HIGHLAND COVE, PHASES II AND III	PLAN AND PROFILE BRASHEAR'S POINT	10/27/97	RECORD DRAWING	DJW	DJW	6
				DATE: 07/28/97		
				HORIZ.: 1"=50' / VERT.: 1"=5'		
				BOOK: PAGE:		
				PROJECT NO.: 97-021		

DRAINAGE STRUCTURE SCHEDULE

DBL CURB INLET NO. 10 15.50 RT OF STA. 14+63 D.A. = 0.1463 E.O.A. = 0.230c L = 11.52 Q = 4.6	CURB INLET NO. 11 15.50 RT OF STA. 0+38 D.A. = 0.230c E.O.A. = 0.790c L = 6.6 Q = 4.6	CURB INLET NO. 12 15.50 RT OF STA. 1+80 D.A. = 0.290c E.O.A. = 0.335c L = 5.2 Q = 1.3	CURB INLET NO. 13 15.50 RT OF STA. 1+80 D.A. = 0.066c E.O.A. = 0.066c L = 11.5 Q = 0.5	DBL CURB INLET NO. 14 15.50 RT OF STA. 3+60 D.A. = 9.410c E.O.A. = 9.72 L = 9.72 Q = 17.3
DBL CURB INLET NO. 15 15.50 RT OF STA. 3+60 D.A. = 0.066c E.O.A. = 0.335c L = 10.73 Q = 0.6	DBL CURB INLET NO. 16 15.50 RT OF STA. 4+46 D.A. = 0.290c E.O.A. = 2.690c L = 9.51 Q = 19.0	GRATE INLET NO. 5 15.50 RT OF STA. 4+46 D.A. = 5.2 E.O.A. = 0.335c L = 12.19 Q = 1.3	GRATE INLET NO. 6 15.50 RT OF STA. 4+46 D.A. = 5.2 E.O.A. = 0.335c L = 12.19 Q = 1.3	GRATE INLET NO. 7 15.50 RT OF STA. 5+4 D.A. = 3.8 E.O.A. = 3.8 L = 11.91 Q = 3.8



EXISTING GROUND - CENTERLINE  
 EXISTING GROUND - 25' LEFT  
 EXISTING GROUND - 25' RIGHT  
 NOTE: CURB RETURN RADIUS - R=200' (BACK OF CURB)



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PROJECT: **HIGHLAND COVE PHASES II AND III**  
 DESCRIPTION: **PLAN AND PROFILE CARLYLE COVE**

DATE	REVISION	BY	DATE
10/27/97	RECORD DRAWING	DJM	07/28/97

DRAWN BY: DJW  
 DATE: 07/28/97  
 HORIZ.: 1"=50' / VERT.: 1"=5'  
 BOOK: PAGE:  
 PROJECT NO.: 97-021



**H D LANG AND ASSOCIATES, INC.**

POST OFFICE BOX 18085

JACKSON, MISSISSIPPI 39226

PROJECT

HIGHLAND COVE  
PHASES II AND III

DESCRIPTION

PLAN AND PROFILE  
ELMS COVE

DATE

10/27/97

REVISION

RECORD DRAWING

BY

DJW

DATE: 07/29/97

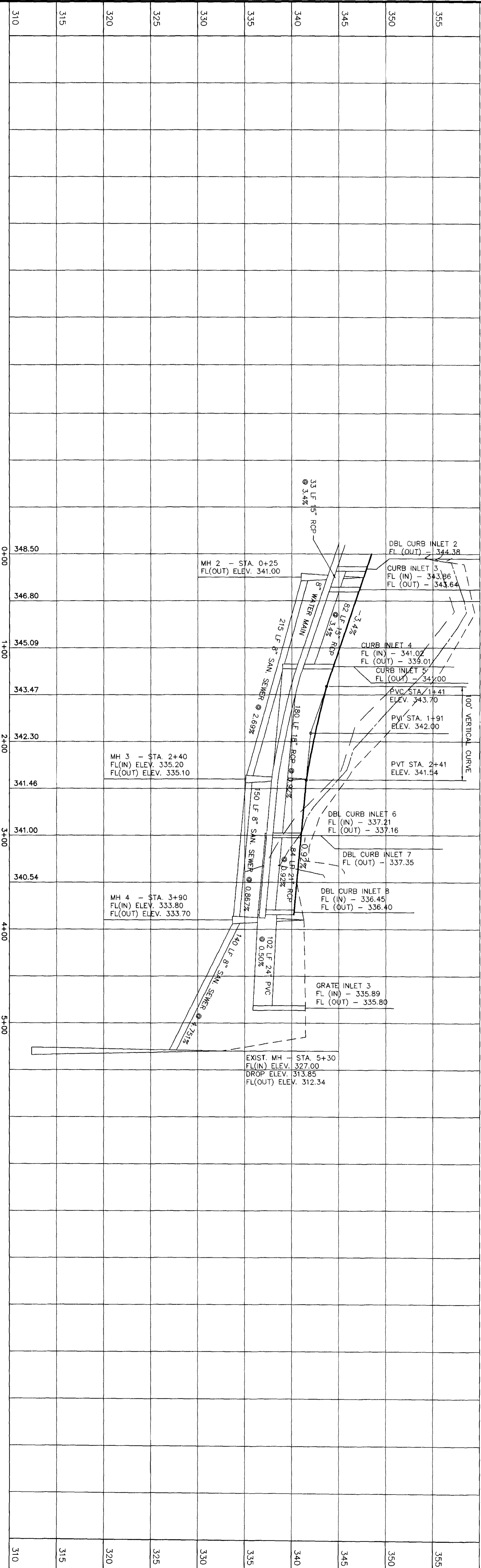
HORZ.: 1"=50' / VERT.: 1"=5'

BOOK: PAGE:

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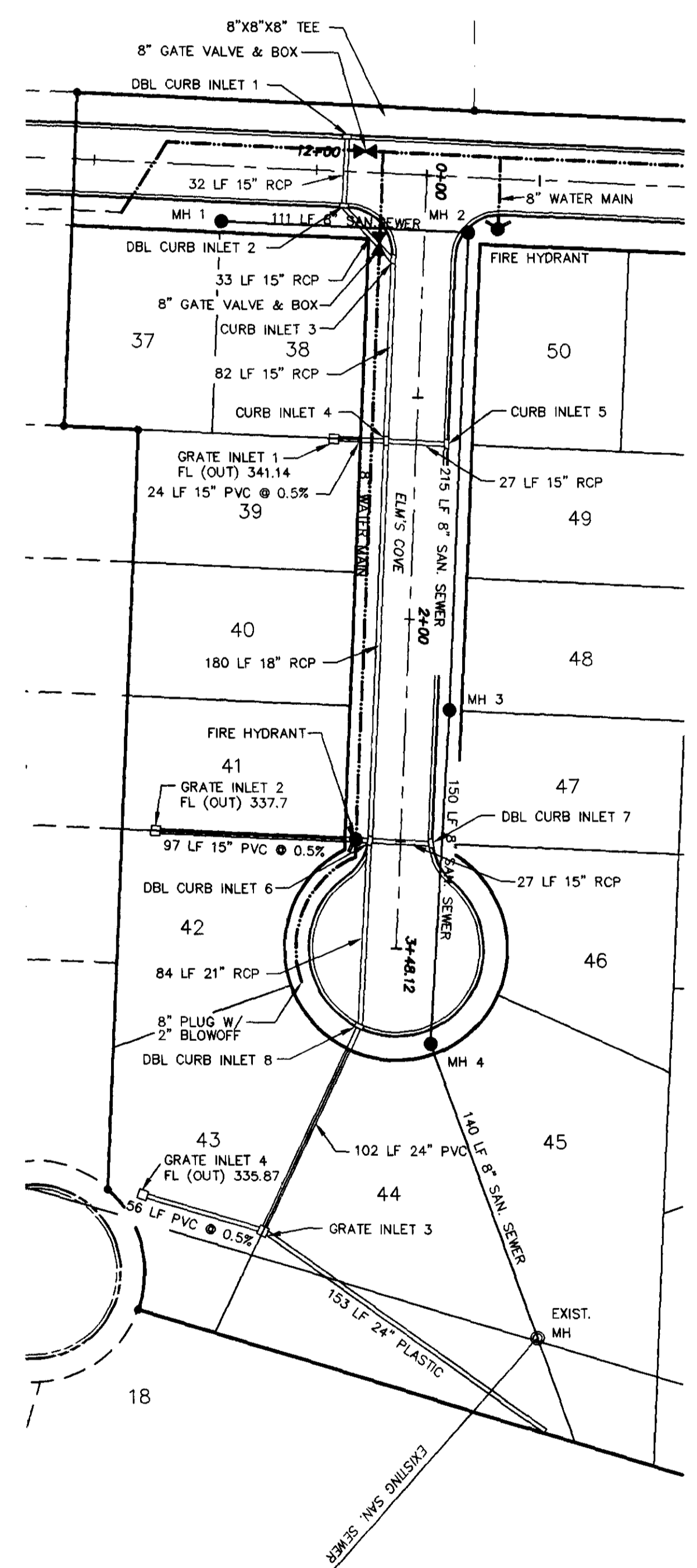
SHEET

8



**DRAINAGE STRUCTURE SCHEDULE**

NO.	DESCRIPTION	STA.	FL. (IN)	FL. (OUT)	Q.
DBL CURB INLET NO. 1	15.50 RT OF	340.00	343.86	343.64	0.8
DBL CURB INLET NO. 2	15.50 RT OF	340.00	343.86	343.64	0.8
DBL CURB INLET NO. 3	15.50 RT OF	340.00	343.86	343.64	0.8
DBL CURB INLET NO. 4	15.50 RT OF	340.00	343.86	343.64	0.8
DBL CURB INLET NO. 5	15.50 RT OF	340.00	343.86	343.64	0.8
DBL CURB INLET NO. 6	15.50 RT OF	340.00	343.86	343.64	0.8
DBL CURB INLET NO. 7	15.50 RT OF	340.00	343.86	343.64	0.8
DBL CURB INLET NO. 8	15.50 RT OF	340.00	343.86	343.64	0.8
GRATE INLET NO. 1	15.50 RT OF	340.00	343.86	343.64	0.8
GRATE INLET NO. 2	15.50 RT OF	340.00	343.86	343.64	0.8
GRATE INLET NO. 3	15.50 RT OF	340.00	343.86	343.64	0.8
GRATE INLET NO. 4	15.50 RT OF	340.00	343.86	343.64	0.8



EXISTING GROUND - CENTERLINE  
EXISTING GROUND - 25' LEFT  
EXISTING GROUND - 25' RIGHT  
NOTE: CURB RETURN RAIL - R-20.0\"/>

