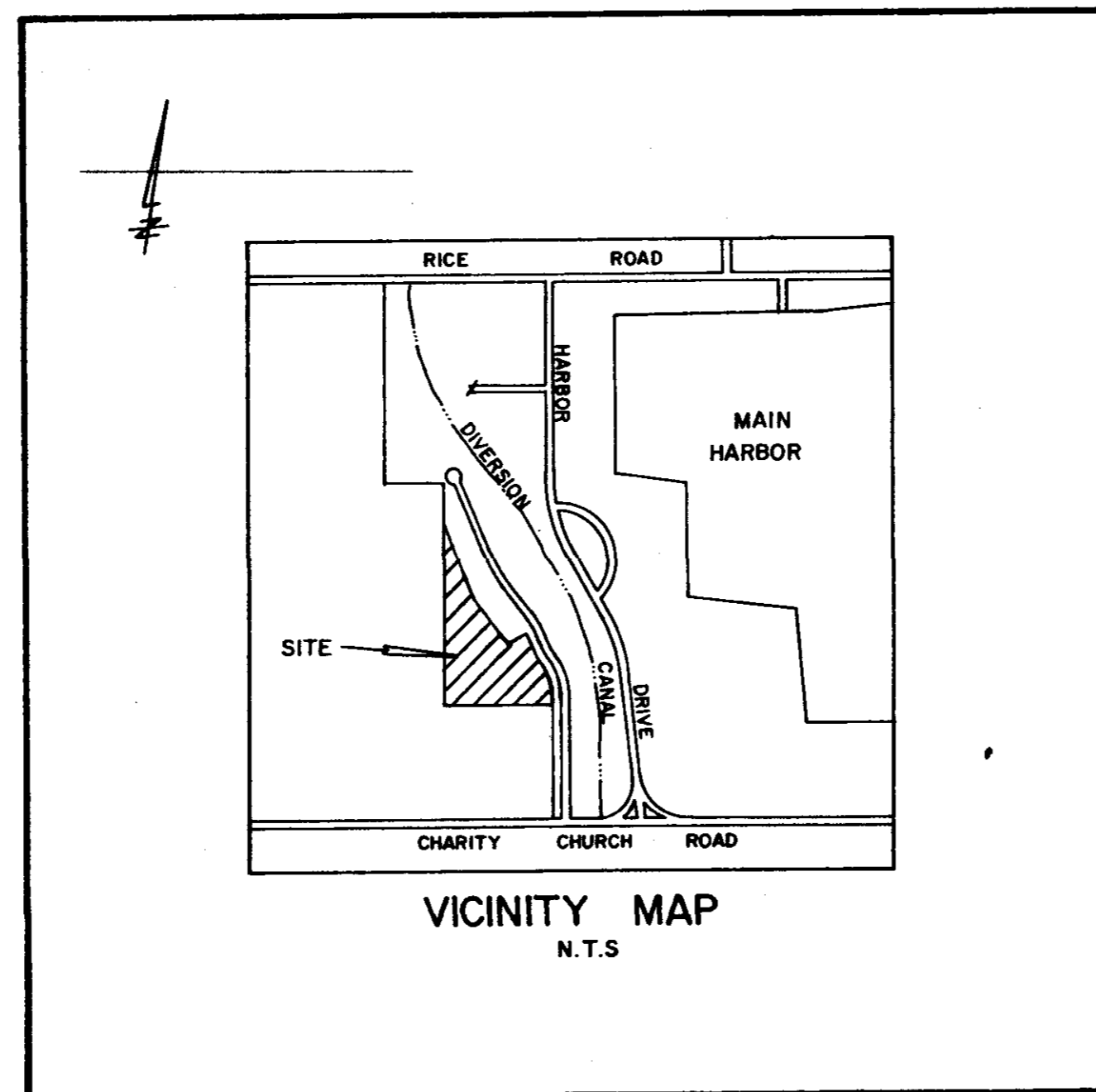


COPPER RIDGE SUBDIVISION , PART 2

A DEVELOPMENT AT THE ROSS BARNETT RESERVOIR



SHEET NO.

1
2
3
4
5
6

INDEX OF DRAWINGS

DESCRIPTION

COVER SHEET
SITE GRADING PLAN , NOTES AND DETAILS
SITE UTILITY PLAN , NOTES AND SCHEDULES
PLAN AND PROFILES - STREETS
SANITARY SEWER MANHOLE AND APPURTENANCE
FOR 6" TO 42" SEWER
STANDARD WATER DETAILS

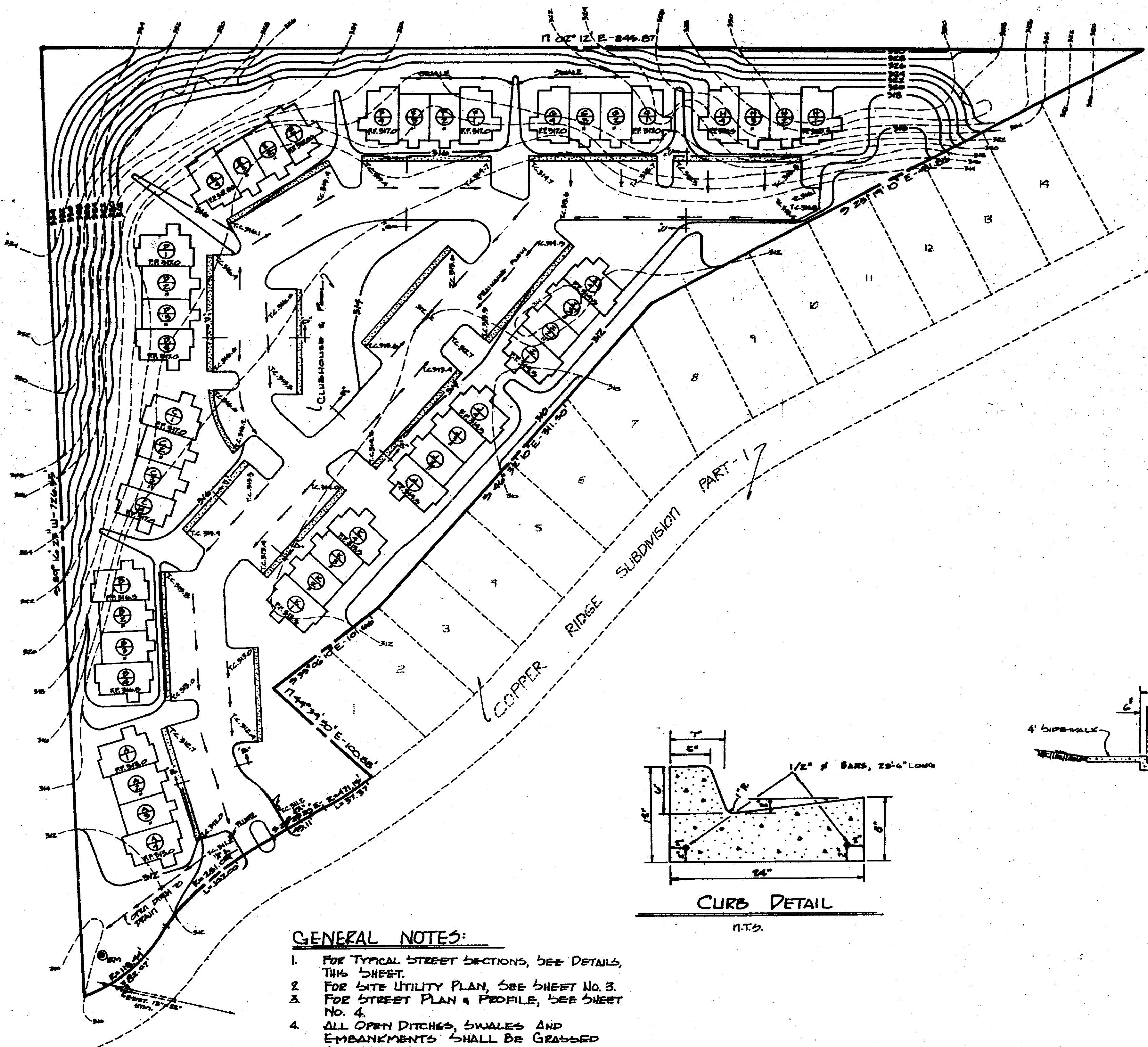
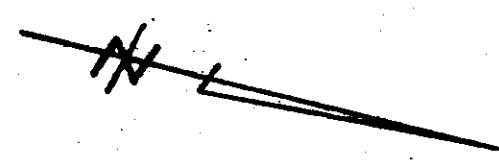
DEVELOPED BY: SARTAIN ASSOCIATES , INC.
RIDGELAND , MISSISSIPPI

DESIGNED BY: KARL P. LONG , CONSULTING ENGINEER
4526 OFFICE PARK DRIVE
JACKSON , MISSISSIPPI
39206

MARCH , 1985

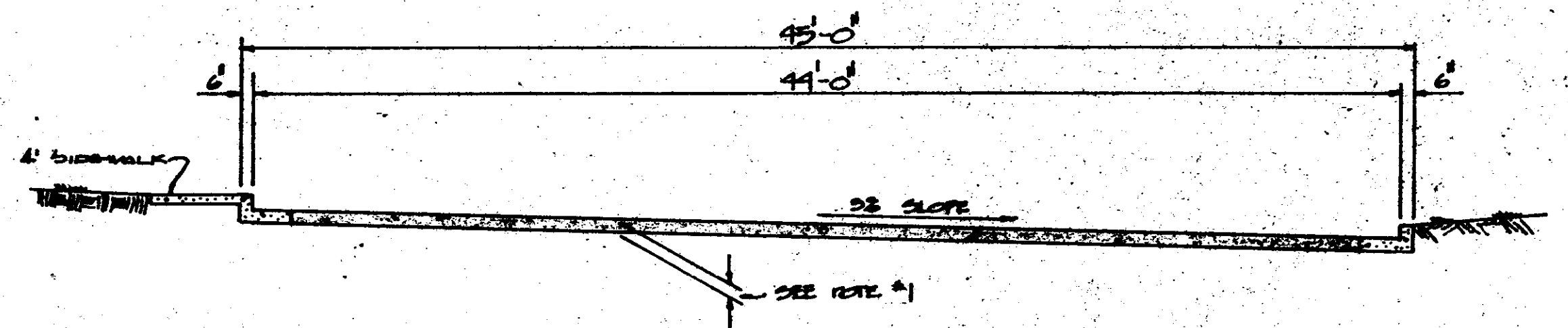
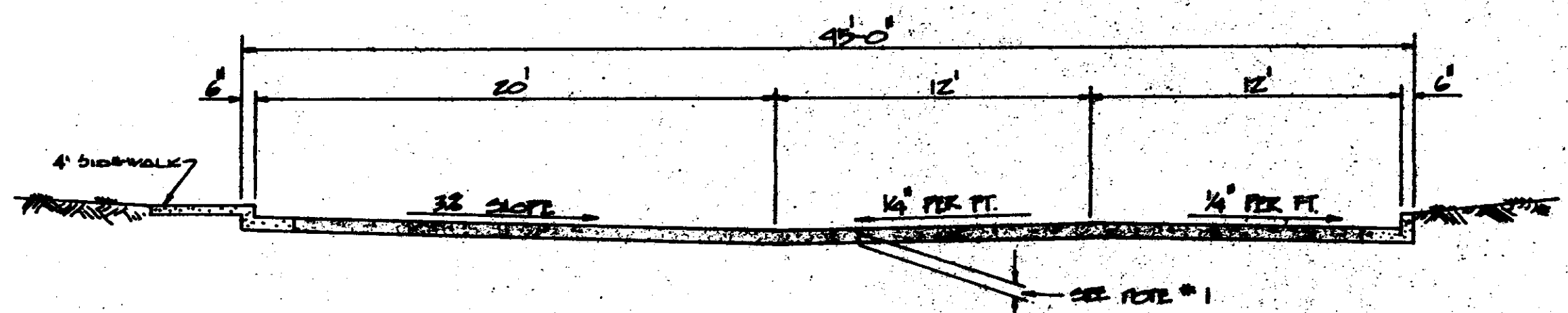
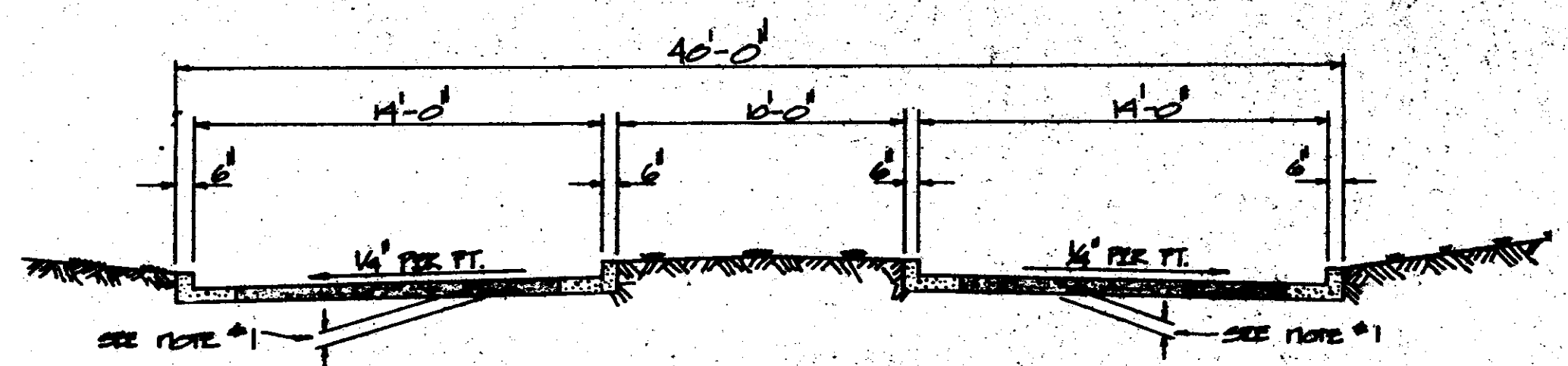
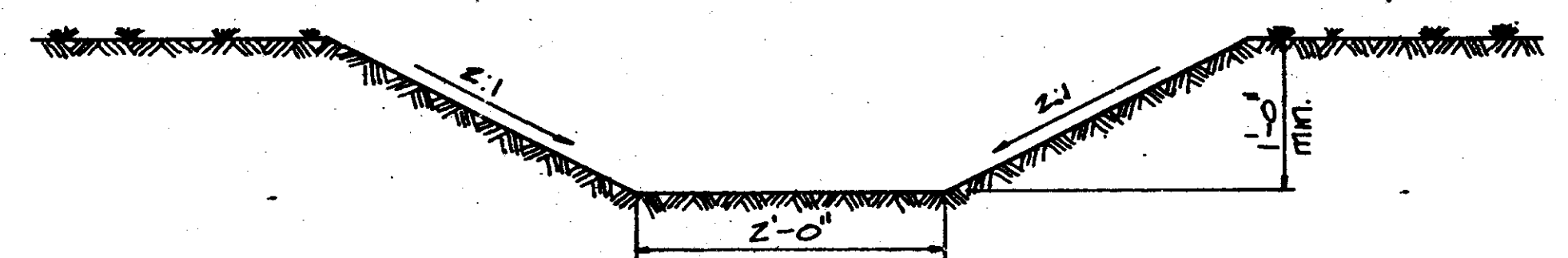
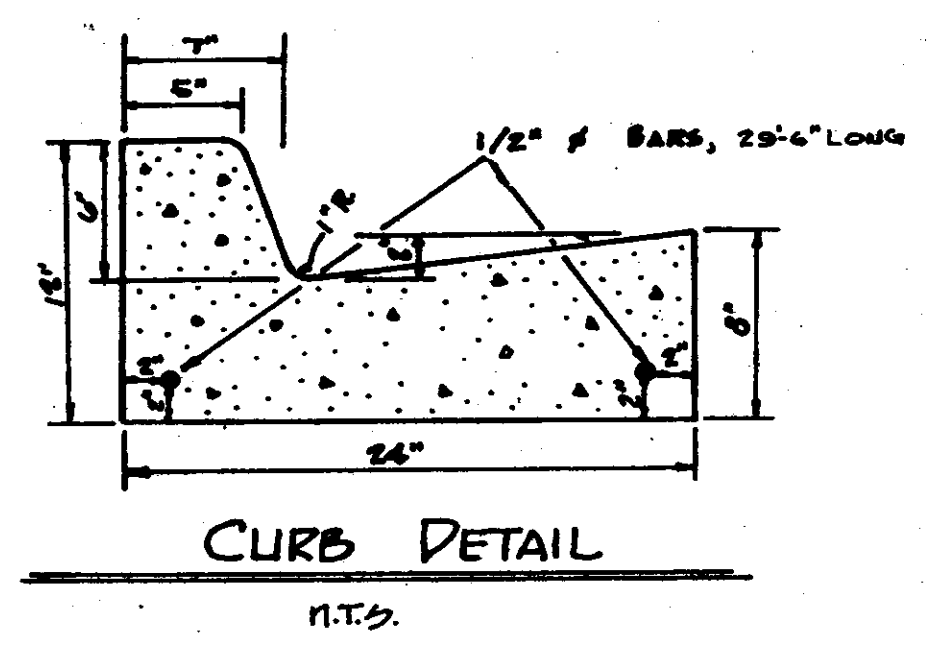
PWP-00322

BENCHMARK ELEV. 513.47
 R.F. CORNER IN 20' FROM SOUTHWEST CORNER
 OF A CURVED ALLEY 4' 60" SOUTH &
 WEST OF THE FIRST CONC. EDGEBAND
 POLE ON THE LEFT HAND SIDE
 OF THE ROAD.

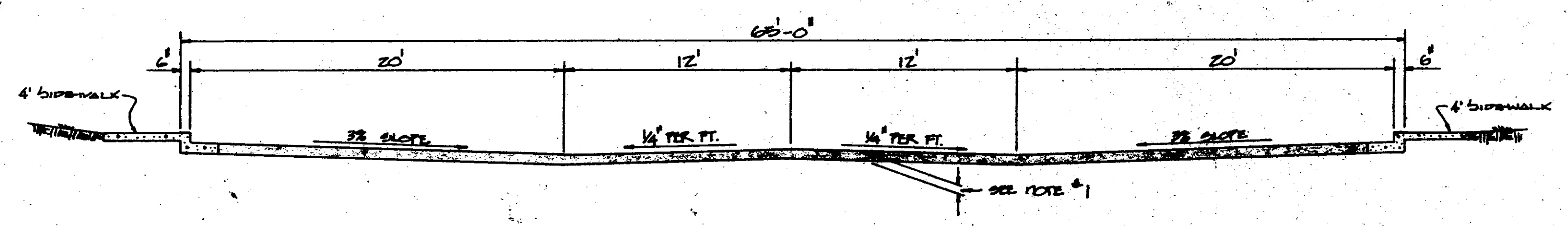


- GENERAL NOTES:**
1. FOR TYPICAL STREET SECTIONS, SEE DETAILS, THIS SHEET.
 2. FOR SITE UTILITY PLAN, SEE SHEET NO. 3.
 3. FOR STREET PLAN & PROFILE, SEE SHEET NO. 4.
 4. ALL OPEN DITCHES, SWALES AND EMBANKMENTS SHALL BE GRADED AND MULCHED.

SITE GRADING PLAN
 SCALE: 1"=50'



NOTE #1: STREET PAVEMENT SHALL BE ONE OF THE FOLLOWING:
 ALTERNATE A: 1 1/2" TYPE 2" ASPHALT WEARING COURSE WITH
 5" ASPHALTIC CONCRETE BLACK BASE.
 ALTERNATE B: 5" PORTLAND CEMENT CONCRETE PAVEMENT
 WITH 42 LB. 6x6-6/8 WELDED WIRE MESH.



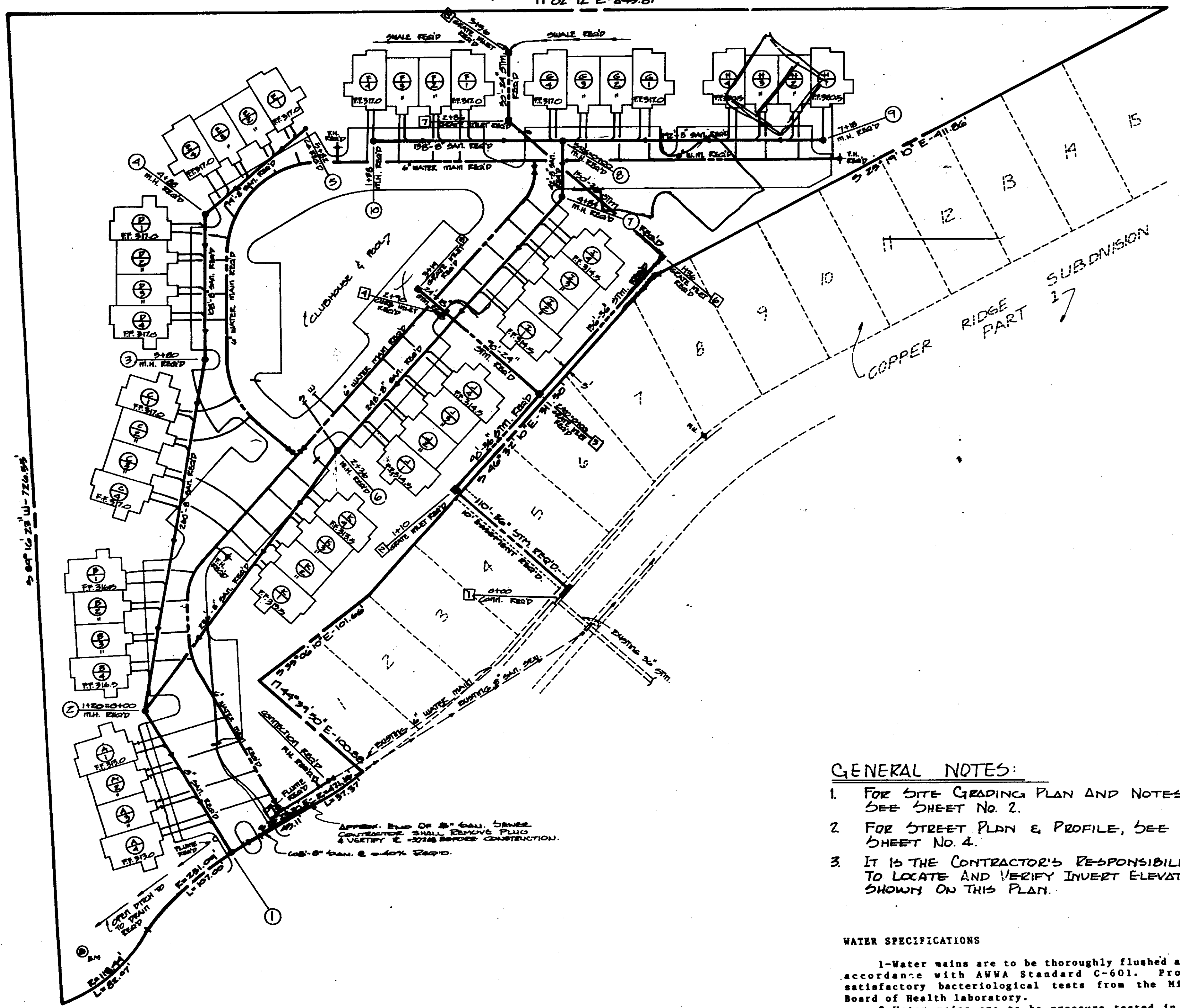
COPPER RIDGE SUBDIVISION PART 2
 SECTION 28 T11-R2E, MADISON CO., MISSISSIPPI

**SITE GRADING PLAN -
 DETAILS AND NOTES**

DESIGNED: J.P.L.	SHEET
DRAWN: W.L.G.	
CHECKED: J.P.L.	
DATE: 1-15-88	

KARL P. LONG
 CONSULTING ENGINEER
 4505 OFFICE PARK DRIVE
 JACKSON, MISSISSIPPI
 39206

BENCHMARK ELEV. 313.47
 R.E. SPIKE IN 3" PIPE 50' SOUTH
 OF A CURB INLET & 40' SOUTH &
 WEST OF THE FIRST CONC. PAVEMENT
 ISLE ON THE LEFT HAND SIDE
 OF THE ROAD.



SANITARY SEWER SCHEDULE						
STRUCTURE NO.	STRUCTURE TYPE	SIZE & LENGTH	(%) SLOPE	# TOP ELEVATION	INVERT ELEVATION	DEPTH
①	4" STD. MANHOLE	120'-0"	0.40	311.8	307.30 (COURT)	4.5'
②	4" STD. MANHOLE	240'-0"	0.76	312.8	307.70 (COURT) 307.88 (INT)	5.0'
③	4" STD. MANHOLE	108'-0"	0.40	316.5	310.37 (COURT) 310.47 (INT)	6.1'
④	4" STD. MANHOLE	94'-0"	0.40	316.5	310.90 (COURT) 311.00 (INT)	5.4'
⑤	CLEAROUT			316.5	311.38 (COURT)	4.9'
⑥	4" STD. MANHOLE	236'-0"	0.40	312.8	307.67 (COURT) 307.77 (INT)	5.1'
⑦	4" STD. MANHOLE	248'-0"	0.40	313.8	308.71 (COURT) 308.81 (INT)	4.7'
⑧	4" STD. MANHOLE	42'-0"	0.40	313.8	309.80 (COURT) 309.90 (INT)	4.0'
⑨	4" STD. MANHOLE	192'-0"	0.40	314.2	310.07 (COURT) 310.17 (INT)	4.1'
⑩	4" STD. MANHOLE	136'-0"	0.40	316.5	310.94 (COURT)	5.6'
⑪	4" STD. MANHOLE			314.2	310.07 (COURT) 310.17 (INT)	4.1'
⑫	4" STD. MANHOLE			314.7	310.72 (COURT)	4.0'

* APPROXIMATE ELEVATION

STORM STRUCTURE SCHEDULE							
STRUCTURE NUMBER	STRUCTURE TYPE	DRAINAGE AREA	SIZE & LENGTH	(%) SLOPE	# TOP ELEVATION	INVERT ELEVATION	DEPTH
1	4"x4" CURB INLET & CORR. STRUCTURE	11.4 AC.	110'-36"	0.40	309.06	304.04	5.0'
2	2'x2' GRATE INLET	11.4 AC.	90'-36"	0.60	310.6	304.70	5.9'
3	2'x2' GRATE INLET	11.2 AC.	90'-24"	0.30	311.0	305.24 (COURT) 306.00 (COURT)	5.8'
4	5' WIDE CURB INLET	2.3 AC.	24'-18"	0.30	312.7	306.27	6.4'
5	2'x2' GRATE INLET	1.4 AC.			312.2	306.39	6.3'
6	2'x2' GRATE INLET	11.2 AC.	136'-36"	0.35	311.0	306.00 (COURT) 305.24 (COURT)	5.8'
7	2'x2' GRATE INLET	8.6 AC.	150'-36"	0.35	311.9	305.72	6.2'
8	2'x2' GRATE INLET	8.3 AC.	20'-24"	10.0	315.0	306.24	8.8'
9	2'x2' GRATE INLET	8.3 AC.			316.0	313.00	3.0'

- GENERAL NOTES:**
- FOR SITE GRADING PLAN AND NOTES, SEE SHEET NO. 2.
 - FOR STREET PLAN & PROFILE, SEE SHEET NO. 4.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY INVERT ELEVATIONS SHOWN ON THIS PLAN.

- WATER SPECIFICATIONS**
- Water mains are to be thoroughly flushed and sterilized in accordance with AWWA Standard C-601. Proof of two (2) satisfactory bacteriological tests from the Mississippi State Board of Health laboratory.
 - Water mains are to be pressure tested in accordance with AWWA Standard C-600-77, Section 4, results to be furnished to the ENGINEER.
 - Water mains to be class 160 PVC, push on joints, NSF approved, with 36" minimum cover.
 - Pipe Hydrants to be 3-way traffic model, Mueller A-423 or with NSF threads.
 - Gate valves to be standard AWWA with non-rising stems, iron bodies, bronze mounted and tested to 350 psi, Mueller or American.
 - All services shall include Mueller corporation stop at the main, Mueller Mark II curb stop, and minimum 3/4" polybutylene tubing.

- TECHNICAL SPECIFICATIONS**
- SEWER SPECIFICATIONS**
- All sewer mains and services shall be Extra Strength Vitrified Clay Pipe (ASTM C-700) or ABS sewer pipe (ASTM D-2680).
 - Manholes to be precast concrete conforming to ASTM C-478.
 - Manhole castings to be Harper No. 1, MSPE Standard, or approved equal.
 - Sewer mains to be tested for a maximum infiltration or exfiltration of 200 gpd per inch per mile of pipe, results to be furnished to the ENGINEER.
 - All sewer services to be marked at the property line with a 2" diameter creosote post or other acceptable marker.
 - Sewer bedding shall be Class C as described in ASTM C 12-74.
 - Manholes shall be waterproofed with an application of KOPPERS 300 M Coal Tar Epoxy or approved equal.
 - All sewers 24 inches or less will be laid with straight alignment between manholes and will be checked by either laser or lamping methods.
 - All backfill will be of suitable material, hand tamped to within one (1) foot of the top of the pipe, and otherwise placed in such a manner as not to disturb the alignment of the pipe.
 - Sewer and water mains will have a minimum separation of ten (10) feet horizontally and 18 inches vertically with relation to each other.
 - Inlet and outlet to manholes will be constructed in such a manner that the connection will be flexible and not damage the sewer main in the event of manhole settlement.

SITE UTILITY PLAN
 SCALE: 1"=50'

COPPER RIDGE SUBDIVISION, PART 2
 SECTION 25 T7M-R2E, MADISON CO., MISSISSIPPI

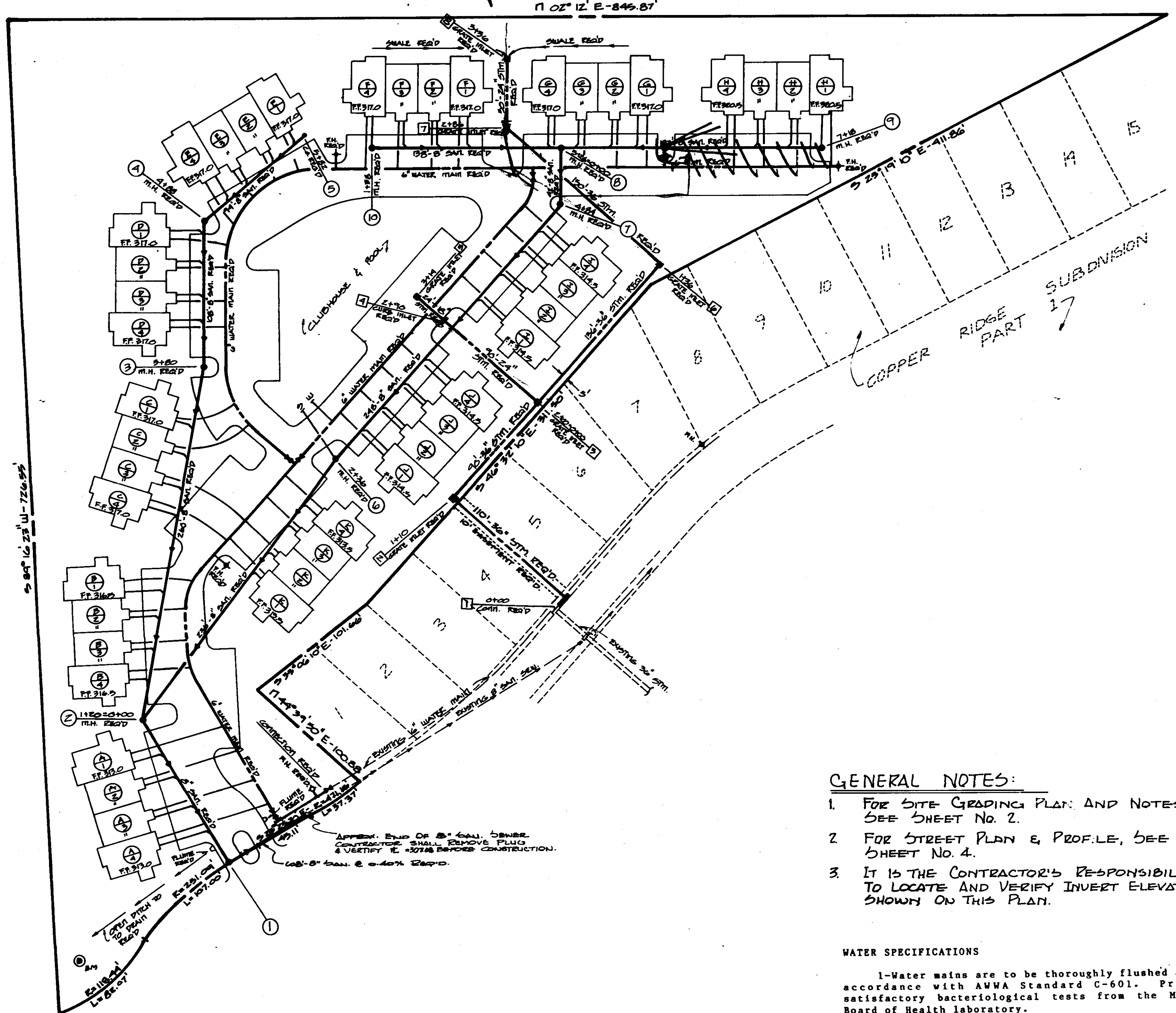
**SITE UTILITY PLAN
 DETAILS AND NOTES**

DESIGNED: JPK	SHEET 3
DRAWN: JPK	
CHECKED: JPK	
DATE: 3-12-82	

KARL P. LONG
 CONSULTING ENGINEER
 4526 OFFICE PARK DRIVE
 JACKSON, MISSISSIPPI
 39206

BENCHMARK FLEV. 313.47
 R.E. SPIKE IN 3" PIPE 50' SOUTH
 OF A CURB INLET & 60' SOUTH &
 WEST OF THE FIRST CONC. PAVEMENT
 POLE ON THE LEFT HAND SIDE
 OF THE ROAD.

41834.
 6512.08 - UTL.
 4644.44 - ST.
 5000.00 - GRADING
 16,156.52



SANITARY SEWER SCHEDULE						
STRUCTURE NO.	STRUCTURE TYPE	SIZE & LENGTH	(%) SLOPE	# TOP ELEVATION	INVERT ELEVATION	DEPTH
1	4' STD MANHOLE	120'-8"	0.40	311.8	307.30 (CULT)	4.5'
2	4' STD MANHOLE	260'-8"	0.96	312.8	307.78 (CULT) 307.88 (CULT)	5.0'
3	4' STD MANHOLE	108'-8"	0.40	316.5	310.37 (CULT) 310.47 (CULT)	6.1'
4	4' STD MANHOLE	94'-8"	0.40	316.3	310.90 (CULT) 311.00 (CULT)	5.4'
5	CLEANOUT			316.3	311.38 (CULT)	4.9'
6	4' STD MANHOLE	236'-8"	0.40	312.8	307.67 (CULT) 307.77 (CULT)	5.1'
7	4' STD MANHOLE	248'-8"	0.40	313.4	308.71 (CULT) 308.81 (CULT)	4.7'
8	4' STD MANHOLE	42'-8"	0.40	313.8	309.80 (CULT) 309.90 (CULT)	4.0'
9	4' STD MANHOLE	192'-8"	0.40	314.2	310.07 (CULT) 310.17 (CULT)	4.1'
10	4' STD MANHOLE	132'-8"	0.40	316.3	310.94 (CULT)	5.6'
11	4' STD MANHOLE			314.2	310.07 (CULT) 310.17 (CULT)	4.1'
12	4' STD MANHOLE			314.7	310.72 (CULT)	4.0'

* APPROXIMATE ELEVATION

STORM STRUCTURE SCHEDULE							
STRUCTURE NUMBER	STRUCTURE TYPE	DRAINAGE AREA	SIZE & LENGTH	(%) SLOPE	# TOP ELEVATION	INVERT ELEVATION	DEPTH
1	EXIST. CURB INLET & CONN. STRUCTURE		110'-36"	0.60	309.06	304.04	5.0'
2	2'x2' GRATE INLET	11.4 AC.	90'-36"	0.60	310.6	304.70	5.9'
3	2'x2' GRATE INLET	11.2 AC.	90'-24"	0.30	311.0	305.24 (C&G) 306.00 (C&G)	5.8'
4	5' WIDE CURB INLET	2.3 AC.	24'-18"	0.30	312.7	306.27	6.4'
5	2'x2' GRATE INLET	1.4 AC.			312.2	306.39	6.3'
6	2'x2' GRATE INLET	11.2 AC.	136'-36"	0.35	311.0	306.00 (C&G) 306.24 (C&G)	5.8'
7	2'x2' GRATE INLET	8.6 AC.	150'-36"	0.35	311.9	306.72	6.2'
8	2'x2' GRATE INLET	8.3 AC.	30'-24"	10.0	315.0	306.24	8.8'
9	2'x2' GRATE INLET	8.3 AC.			316.0	313.00	3.0'

GENERAL NOTES:

- FOR SITE GRADING PLAN AND NOTES, SEE SHEET NO. 2.
- FOR STREET PLAN & PROFILE, SEE SHEET NO. 4.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY INVERT ELEVATIONS SHOWN ON THIS PLAN.

WATER SPECIFICATIONS

- Water mains are to be thoroughly flushed and sterilized in accordance with AWWA Standard C-601. Proof of two (2) satisfactory bacteriological tests from the Mississippi State Board of Health laboratory.
- Water mains are to be pressure tested in accordance with AWWA Standard C-600-77, Section 4, results to be furnished to the ENGINEER.
- Water mains to be class 160 PVC, push on joints, NSF approved, with 36" minimum cover.
- Fire Hydrants to be 3-way traffic model, Mueller A-423 or with NSF threads.
- Gate valves to be standard AWWA with non-rising stems, iron bodies, bronze mounted and tested to 350 psi, Mueller or American.
- All services shall include Mueller corporation stop at the main, Mueller Mark II curb stop, and minimum 3/4" polybutylene tubing.

TECHNICAL SPECIFICATIONS

SEWER SPECIFICATIONS

- All sewer mains and services shall be Extra Strength Vitrifed Clay Pipe (ASTM C-700) or ABS sewer pipe (ASTM D-2680).
- Manholes to be precast concrete conforming to ASTM C-478.
- Manhole castings to be Harper No. 1, MSPE Standard, or approved equal.
- Sewer mains to be tested for a maximum infiltration or exfiltration of 200 gpd per inch per mile of pipe, results to be furnished to the ENGINEER.
- All sewer services to be marked at the property line with a 2" diameter creosote post or other acceptable marker.
- Sewer bedding shall be Class C as described in ASTM C 12-74.
- Manholes shall be waterproofed with an application of KOPFERS 300 H Coal Tar Epoxy or approved equal.
- All sewers 24 inches or less will be laid with straight alignment between manholes and will be checked by either laser or lamping methods.
- All backfill will be of suitable material, hand tamped to within one (1) foot of the top of the pipe, and otherwise placed in such a manner as not to disturb the alignment of the pipe.
- Sewer and water mains will have a minimum separation of ten (10) feet horizontally and 18 inches vertically with relation to each other.
- Inlet and outlet to manholes will be constructed in such a manner that the connection will be flexible and not damage the sewer main in the event of manhole settlement.

SITE UTILITY PLAN
 SCALE: 1"=30'

COPPER RIDGE SUBDIVISION, PART 2
 SECTION 20 T71-FZE, MADISON CO., MISSISSIPPI

SITE UTILITY PLAN
 DETAILS AND NOTES

KARL P. LONG
 CONSULTING ENGINEER
 4526 OFFICE PARK DRIVE
 JACKSON, MISSISSIPPI
 39206

DESIGNED: J.P.K.
 DRAWN: W.J.H.
 CHECKED: S.L.H.
 SCALE: AS SHOWN
 DATE: 3-12-82

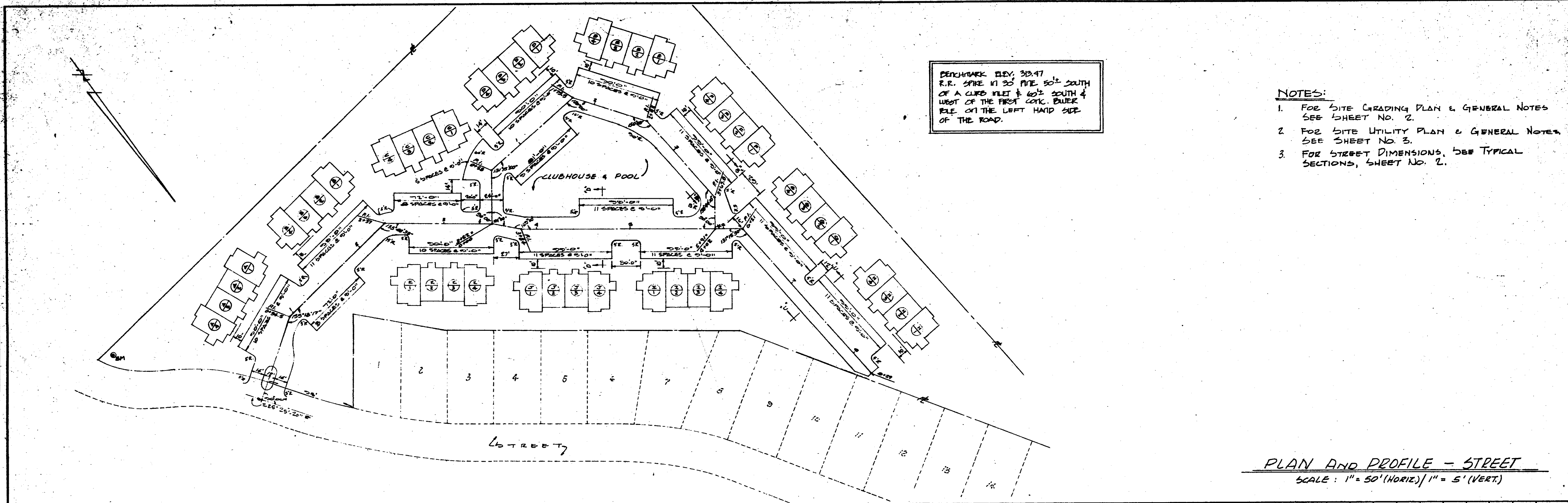
3

PLAN
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____

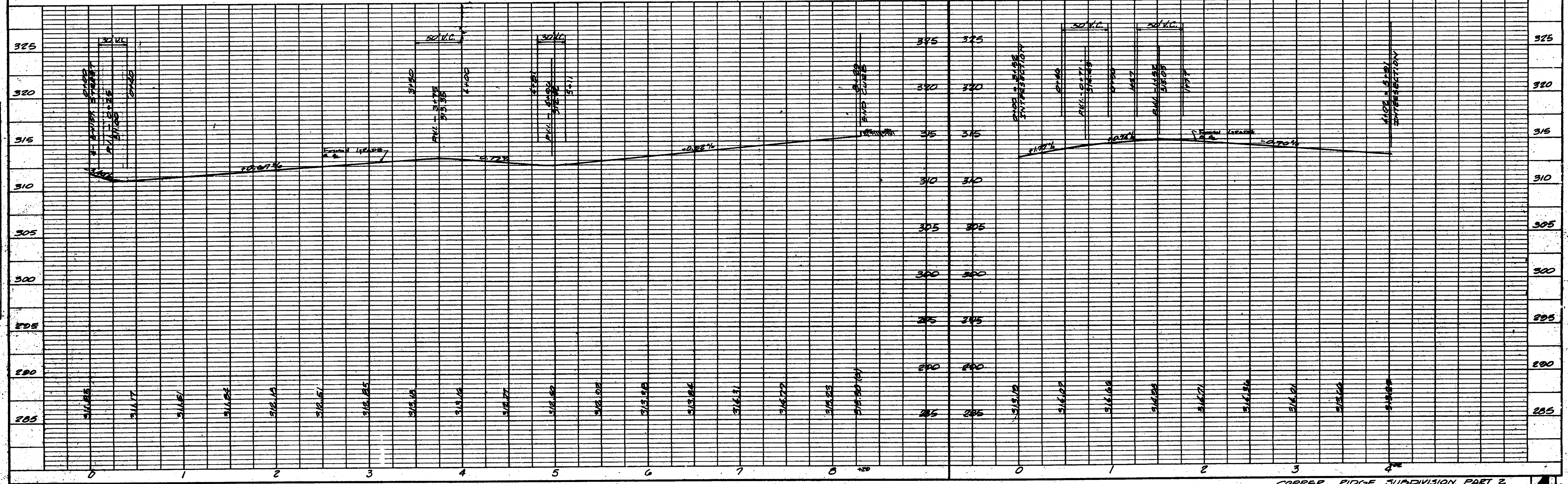
PROFILE
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____

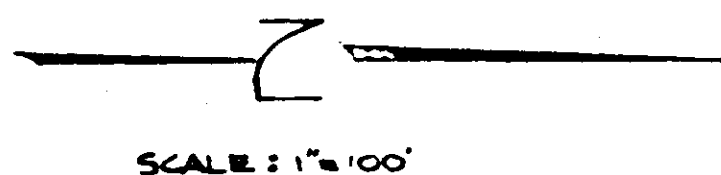
BENCHMARK ELEV. 33.47
 R.R. SPIKE IN 35' NINE 50' SOUTH
 OF A CURB INLET & 60' SOUTH &
 WEST OF THE FIRST CONC. BULKER
 POLE ON THE LEFT HAND SIDE
 OF THE ROAD.

- NOTES:
1. FOR SITE GRADING PLAN & GENERAL NOTES SEE SHEET NO. 2.
 2. FOR SITE UTILITY PLAN & GENERAL NOTES SEE SHEET NO. 3.
 3. FOR STREET DIMENSIONS, SEE TYPICAL SECTIONS, SHEET NO. 2.

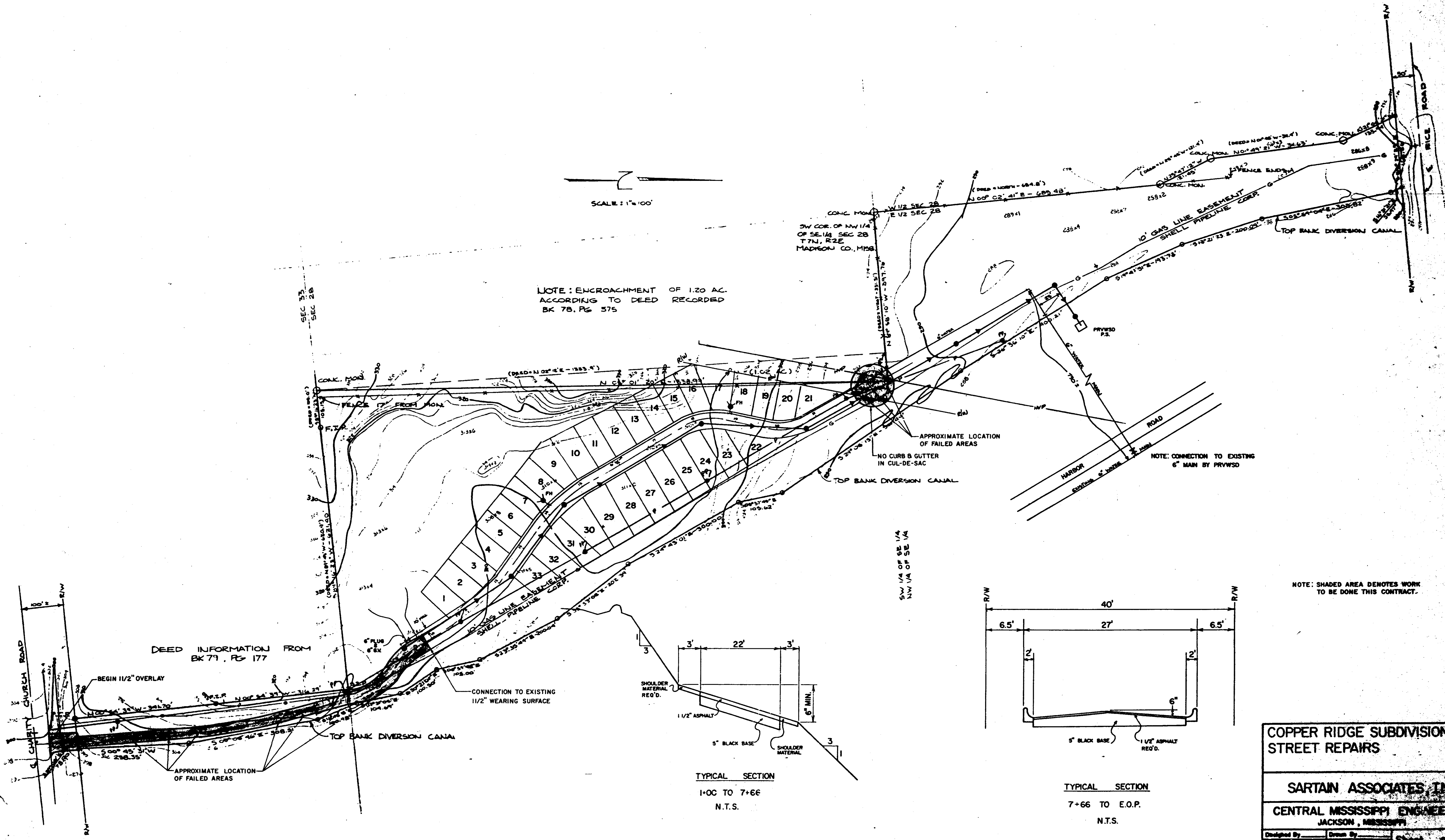


PLAN AND PROFILE - STREET
 SCALE: 1" = 50' (HORIZ.) / 1" = 5' (VERT.)

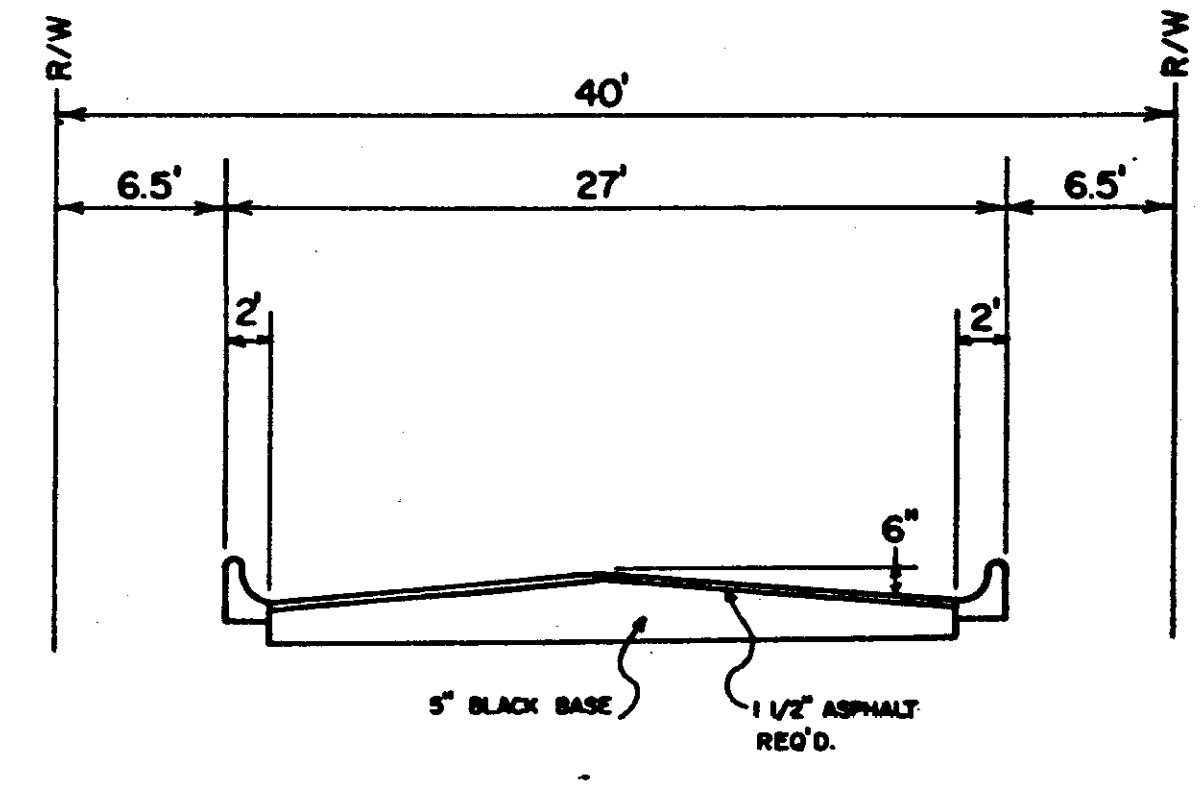
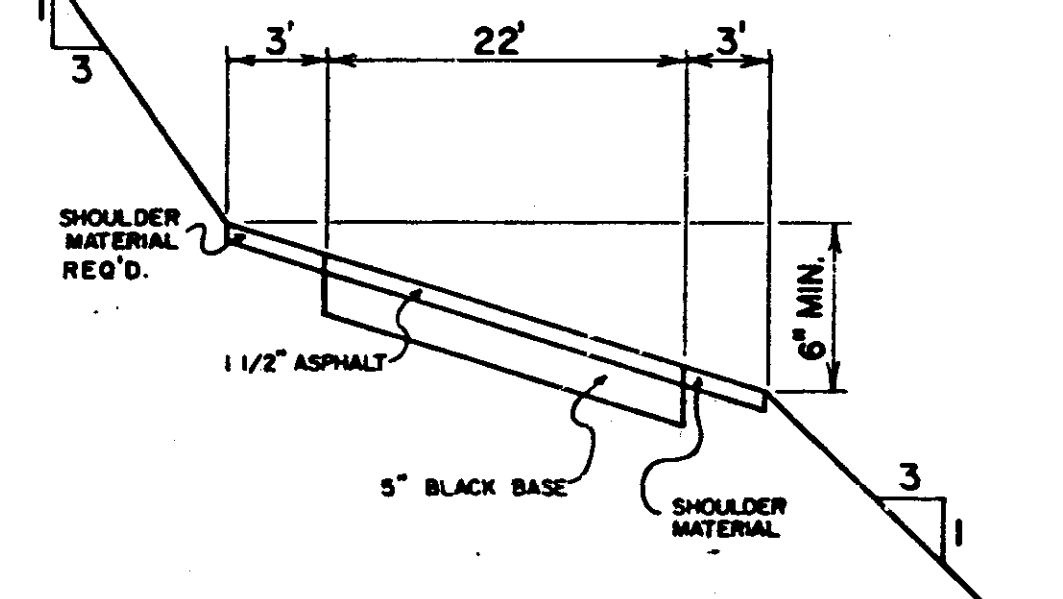




NOTE: ENCROACHMENT OF 1.20 AC. ACCORDING TO DEED RECORDED BK 78, PG 575



DEED INFORMATION FROM BK 77, PG 177



NOTE: SHADED AREA DENOTES WORK TO BE DONE THIS CONTRACT.

COPPER RIDGE SUBDIVISION STREET REPAIRS

SARTAIN ASSOCIATES, INC.

CENTRAL MISSISSIPPI ENGINEERS
JACKSON, MISSISSIPPI

Designed By _____ Drawn By _____
Scale 1"=100' Date 1-85 Sheet 1 of 1