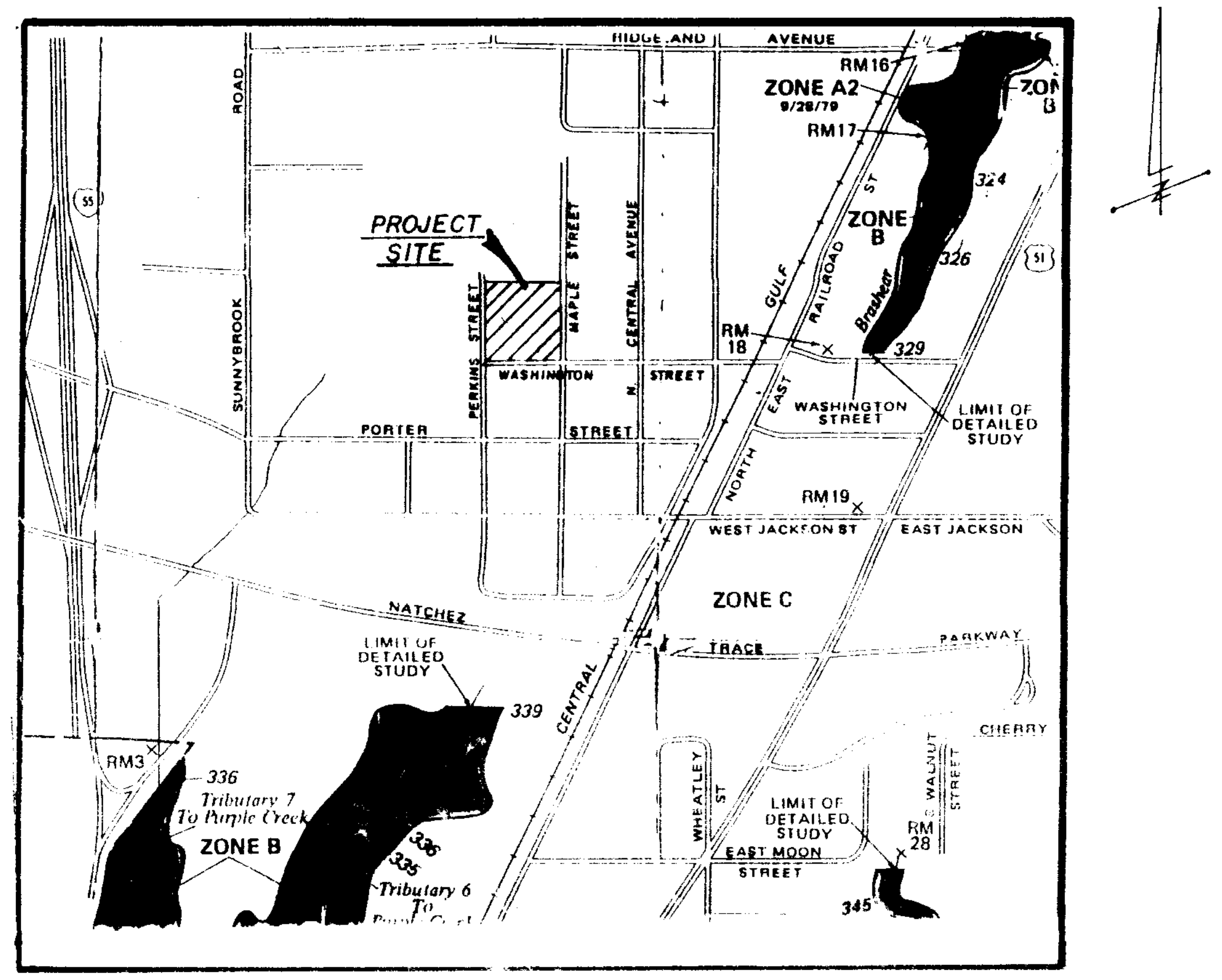
CONSTRUCTION PLANS

OLDE TOWN SUBDIVISION , PHASE I

BLOCK 27 - TOWN OF RIDGELAND
SITUATED IN THE SW 1/4 OF SECTION 19 , T7N - R2E ,
MADISON COUNTY , MISSISSIPPI.



VICINITY MAP
SCALE 1" = 800'

INDEX OF DRAWINGS

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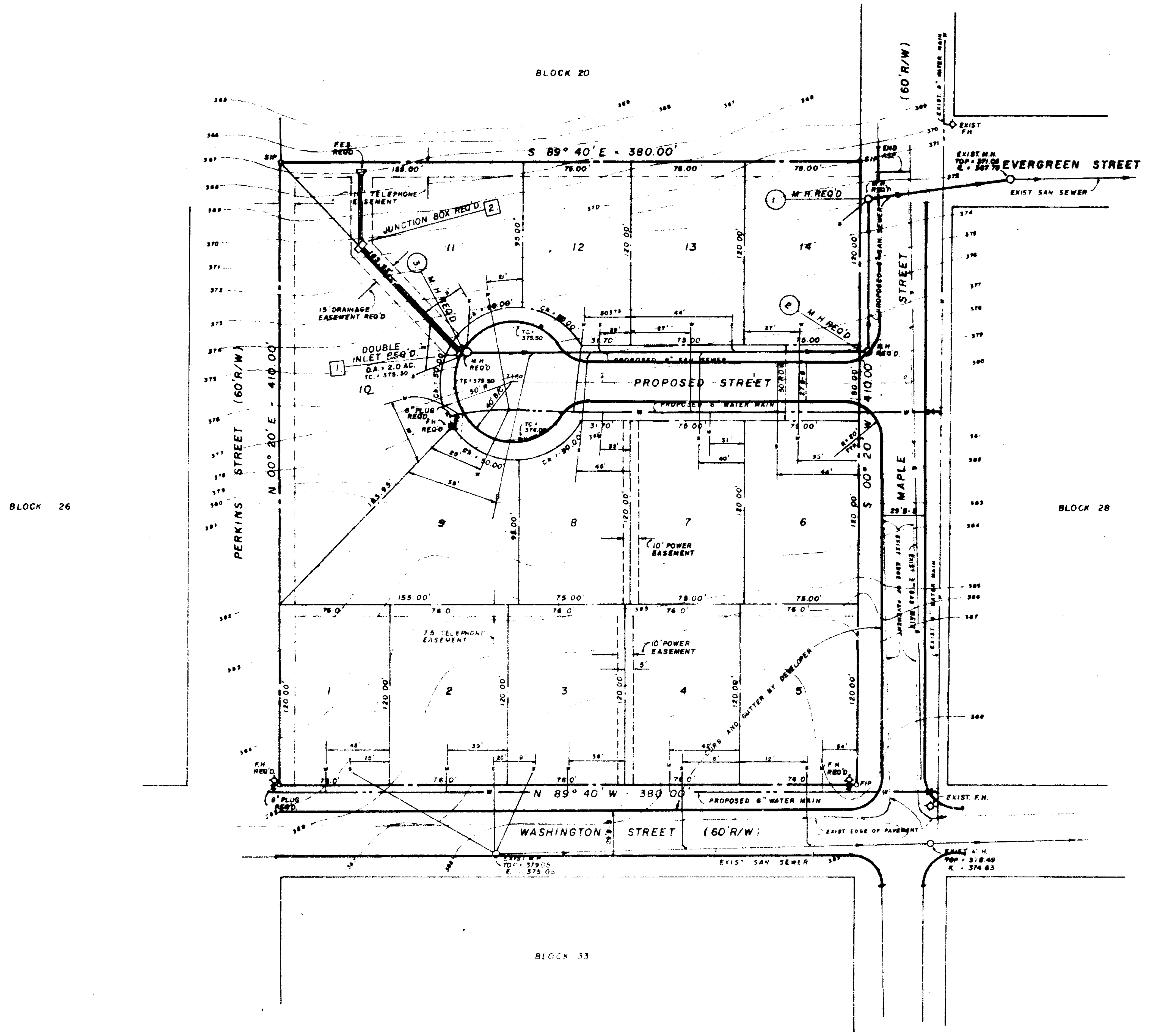
1.	COVER SHEET
2.	SITE PLAN
3.	PROFILES
4.	STANDARD SANITARY SEWER CONSTRUCTION DETAILS.
5.	STANDARD WATER CONSTRUCTION DETAILS.

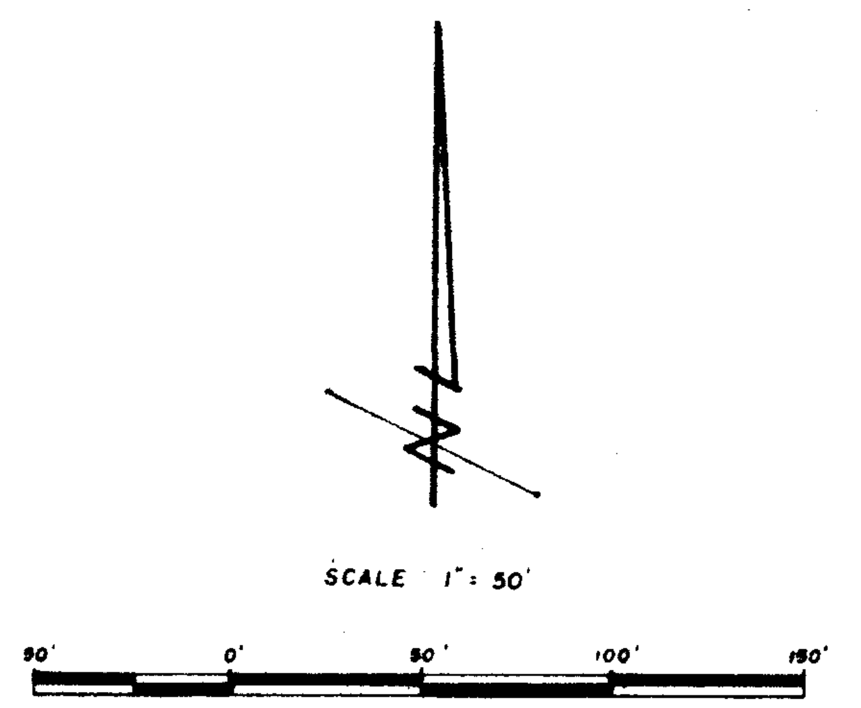
DEVELOPED BY : JAMES WEAVER, INC.
P.O. BOX 1157
MADISON , MISSISSIPPI 39130.

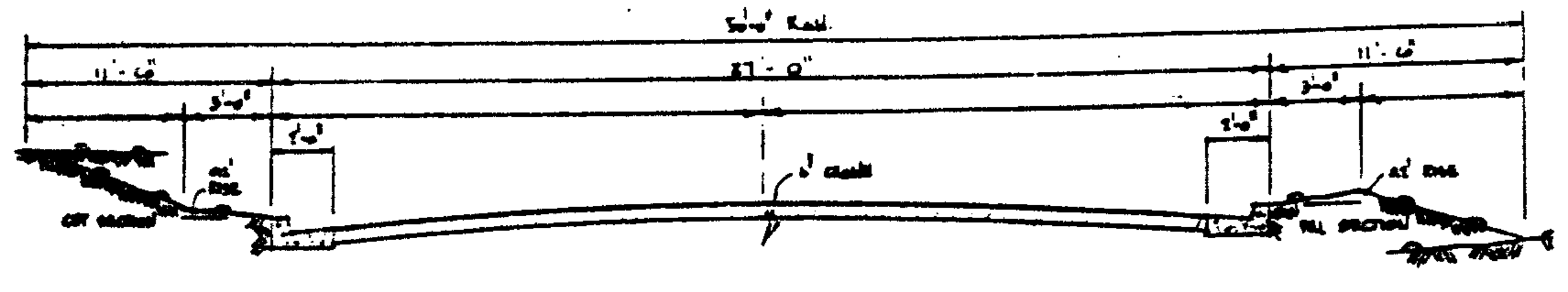
DESIGNED BY : CENTRAL MISSISSIPPI ENGINEERING , INC.
4 RIVER BEND PLACE
FLOWOOD , MISSISSIPPI 39208

FEBRUARY, 1992.

PWP-01508





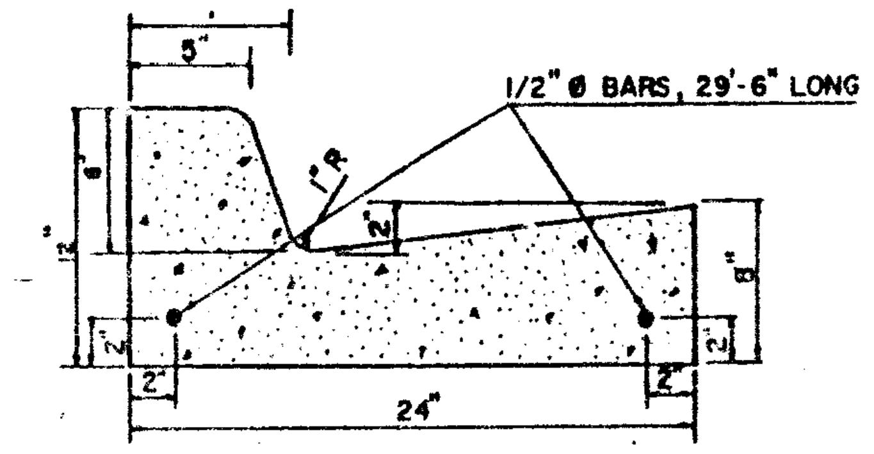


TYPICAL STREET SECTION

NO SCALE

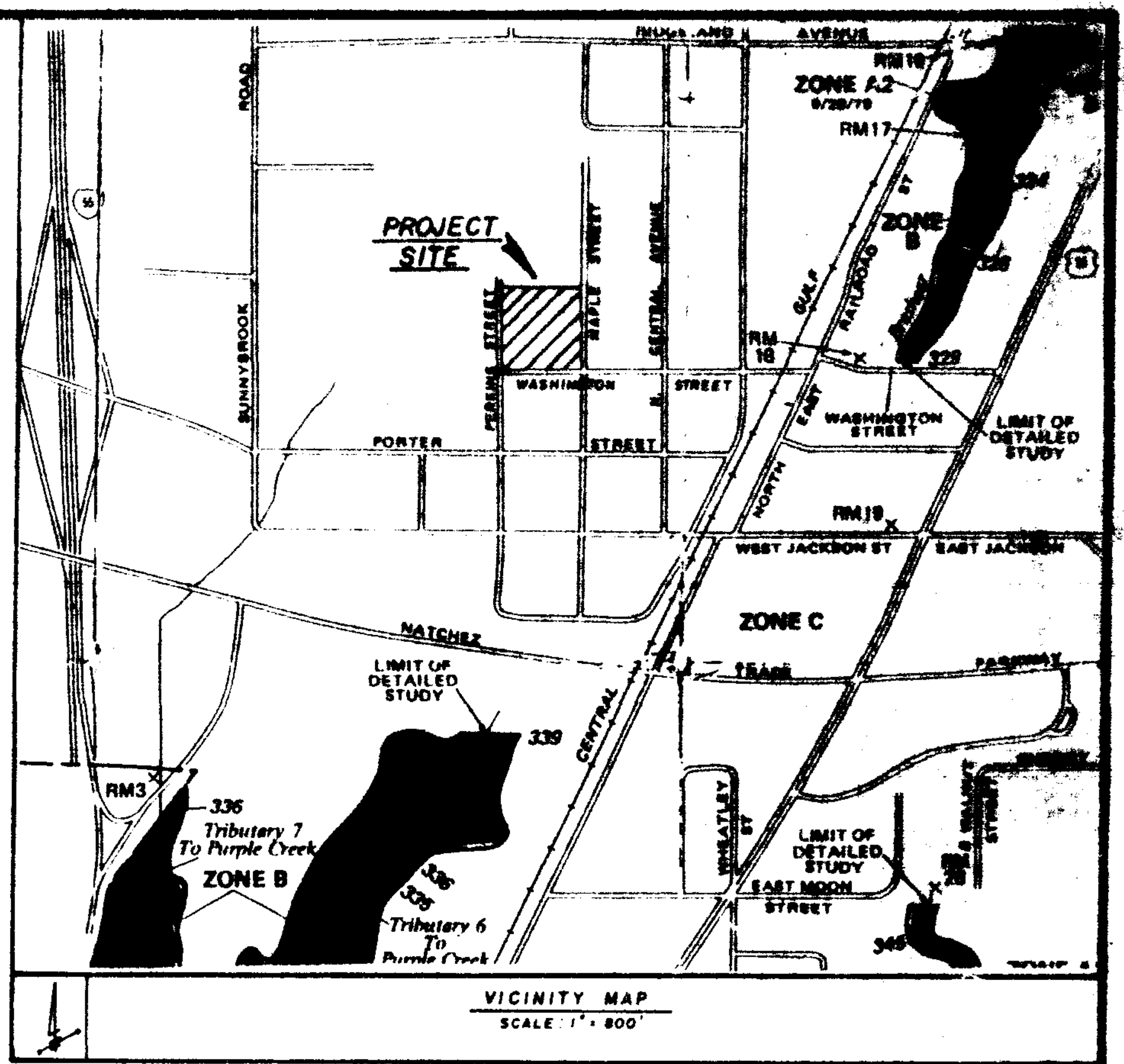
PAVING DESIGN (MINIMUM)

5" ASPHALT BLACK BASE WITH
1½" ASPHALT SURFACE



TYPICAL CURB DETAIL

N.T.S.



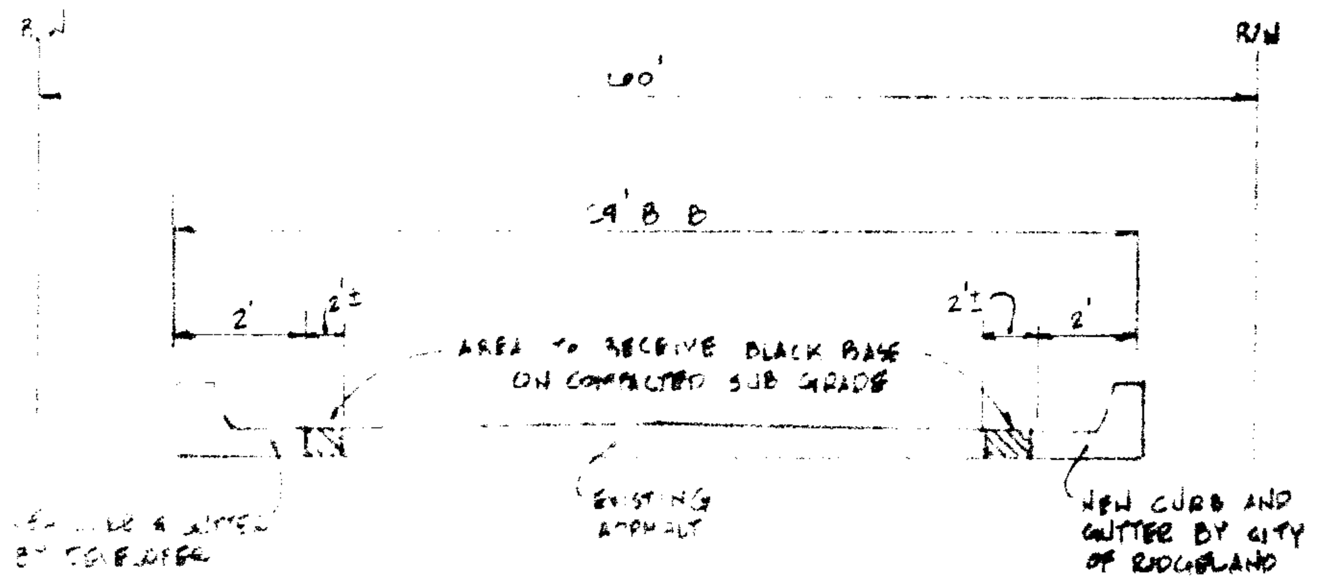
VICINITY MAP

SCALE: 1" = 800'

GENERAL NOTES

1. THIS PROPERTY IS SITUATED IN ZONE "C" NOT A FLOOD HAZARD AREA, ACCORDING TO F.I.R.M. MAP NO. 280228 - 0295 - B, DATED JAN. 2, 1980.
2. CONSTRUCTION OF STREETS AND UTILITIES WILL BE IN ACCORDENCE WITH CITY OF RIDGELAND REGULATIONS
3. LOT SETBACKS

FRONT - 25'
SIDE - 5'
REAR - 25'



TYPICAL SECTION - EXISTING STREET

N.T.S.

NOTE: ALL CURB & GUTTER ON EXISTING STREETS TO BE INSTALLED UNDER THIS PROJECT. THERE WILL BE RELATED EXCAVATION AND GRADING WORK REQUIRED IN ORDER TO MATCH GRADES WITH THE EXISTING PAVEMENT. THIS SHOULD BE INCLUDED IN THE UNIT PRICE FOR CURB & GUTTER. THE ASPHALT BASE REQUIRED TO MATCH PAVEMENT TO NEW CURB SHOULD BE PRICED BY THE TON AND NOT INCLUDED IN THE 5" BASE ON THE NEW STREET. THE CONTRACTOR WILL STOCKPILE SUFFICIENT MATERIAL FROM THE STREET EXCAVATION PROCESS TO BACKFILL ALL CURBS.

DEVELOPED BY : JAMES WEAVER, INC.
P.O. BOX 1157
MADISON, MS. 39130

[redacted]
4-27-92

SITE PLAN

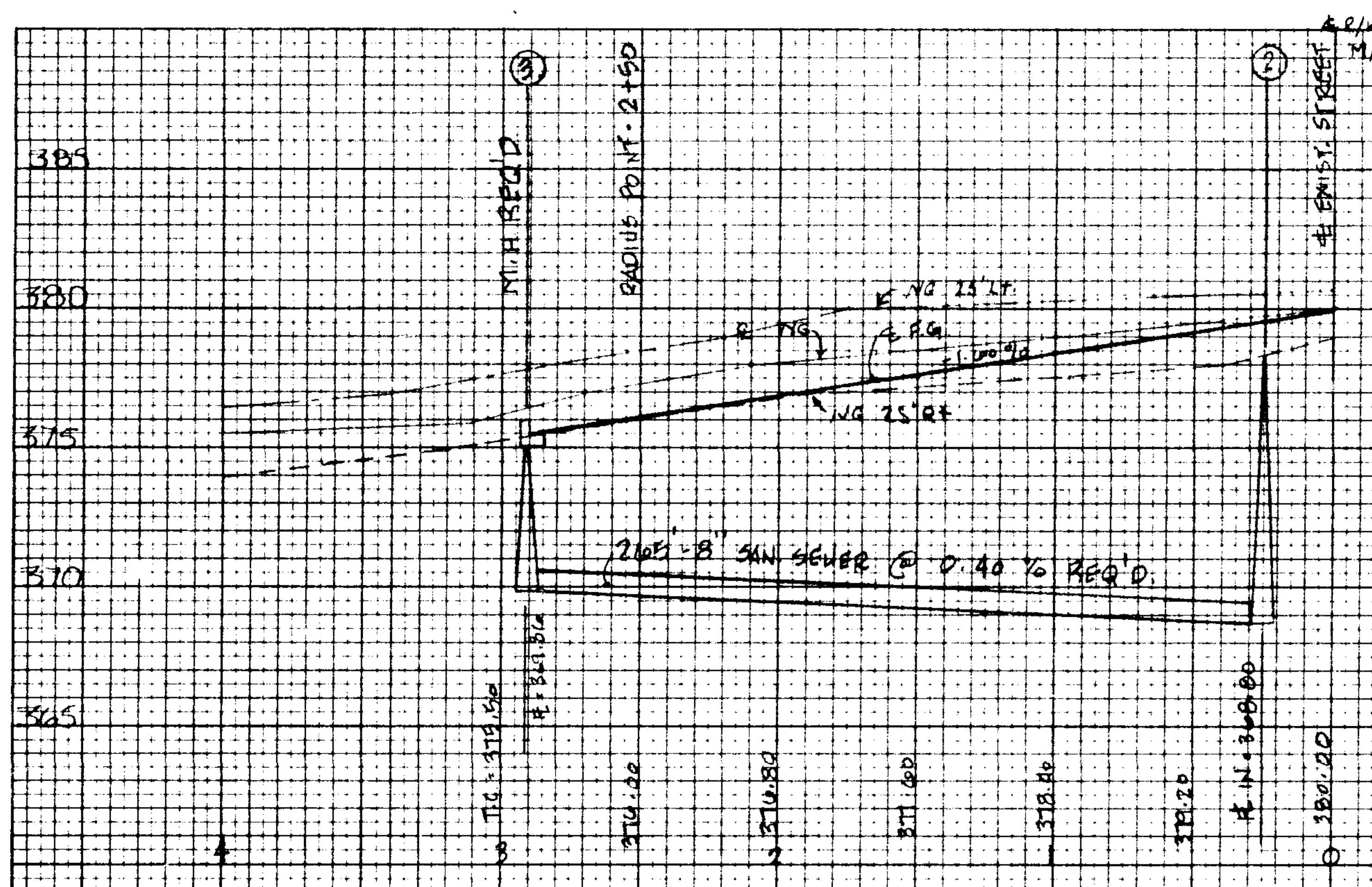
OLDE TOWN SUBDIVISION, PHASE I

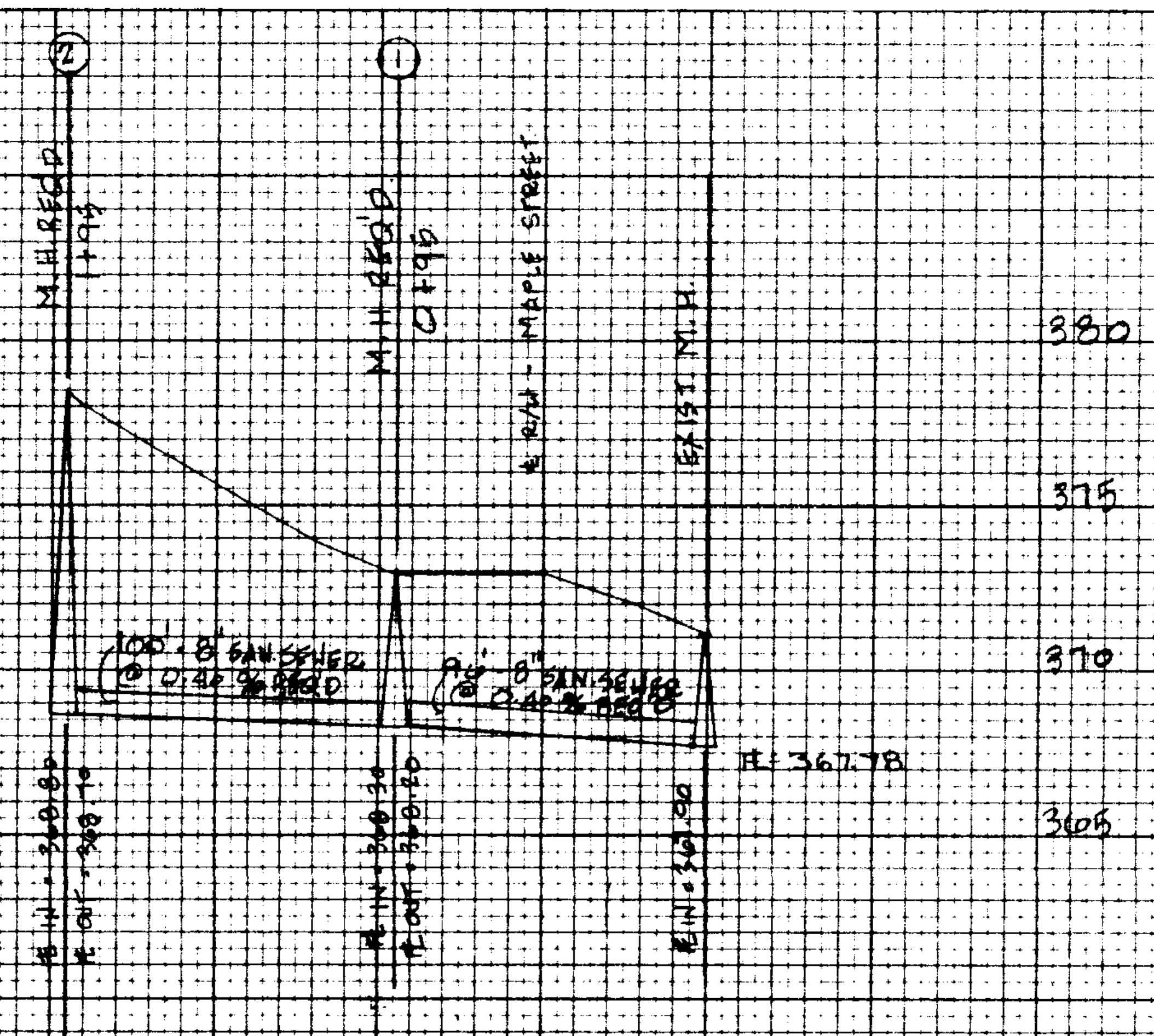
BLOCK 27 - TOWN OF RIDGELAND
SITUATED IN THE SW1/4 OF SECTION 19, T7N - R2E,
MADISON COUNTY, MISSISSIPPI

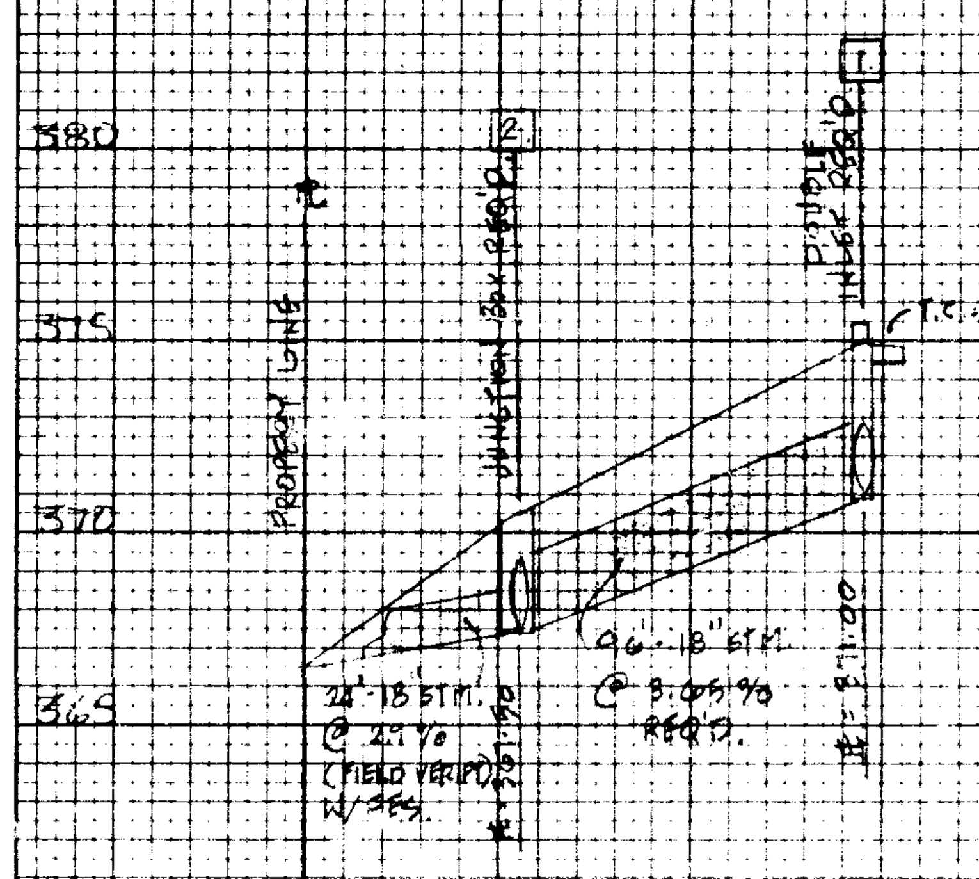
FEBRUARY 13, 1992

CENTRAL MISSISSIPPI ENGINEERING
4 RIVER BEND PLACE, SUITE 110 FLOWOOD, MS 39208 601-932-3068

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







OLDE TOWN PHASE 1
STORM DRAINAGE COMPUTATIONS

RUNOFF: Q = CIA
C = 0.75
I = 6 INCHES/HOUR
A = DRAINAGE AREA

CAPACITY: Q = CxS½
C = (1.49/n)xAxR⅔
S = SLOPE
N = 0.013

NOTE: C is taken from Table 3 in the "Concrete Pipe Design Manual" published by the American Concrete Pipe Association.

INLET 1 : DA = 2.0 AC
Q = (0.75)(6)(2.0)
Q = 9.0 CFS

18" @ 3.65%
Q = 105 (0.1910)
Q = 20.0 CFS

J.B. 2 : DA = 0. AC
Q = 0.0
Q = 0.0 + 9.0
Q = 9.0 CFS

18" @ 2.90%
Q = 105 (0.1703)
Q = 17.9 CFS

SEWER SPECIFICATIONS

1-All sewer main and services shall be Extra Strength Vitrified Clay Pipe (ASTM C-700), ABS sewer pipe (ASTM D-2680), or PVC sewer pipe (ASTM D 3034) SDR 26.

2-Manholes to be precast concrete conforming to ASTM C-478. All manholes shall be waterproofed and shall have watertight flexible connections at inlets and outlets.

3-Manhole castings to be Harper No. 1, MSPK Standard, or approved equal.

4-Sewer mains to be tested by air per ASTM C-828, results to be furnished to the ENGINEER and the UTILITY. PVC sewer pipe to have a maximum of 5.0% deflection as determined by the pulling of a 5% mandrel after the pipe has been backfilled for at least 30 days.

5-All sewer services to be marked at the property line with a 2" diameter creosote post or other acceptable marker.

6-Bedding for sewer pipe shall be Class "C" in accordance with ASTM C-12 for rigid pipe and Class III in accordance with ASTM D-2321 for flexible pipe.

7-Manholes shall be waterproofed with an application of KOPPERS 300 M Coal Tar Epoxy or approved equal, inside and outside.

8-All sewer 24 inches or less will be laid with straight aligment between manholes and will be checked by either laser or lamping methods.

9-All backfill will be of suitable material, hand tamped to (1) foot of the top of the pipe, and otherwise placed in such a manner as not to distrub the alignment of the pipe.

10-Sewer and water mains will have a minimum separation of ten (10) feet horizontally and 18 inches vertically with relation to each other.

11- Leakage tests shall include appropriate water or low pressure air testing. The leakage outward or inward (exfiltration or infiltration) shall not exceed 200 gallons per inch of pipe diameter per mile per day (0.19 m/cm of pipe dia./km/day) for any section of the system. An exfiltration or infiltration test shall be performed with a minimum positive head of 2 feet (0.61 m). The air test, if used, shall, as a minimum conform to the test procedure decribed in ASTM C-828-76T, entitled "Tentative Recommended Practise for Low-Pressure Air Tesst of Vitrified Clay Pipe Lines". The testing methods selected should take into consideration the range in ground water elevations projected and the situation during the test.

WATER SPECIFICATIONS

1 - 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 will be furnished to the ENGINEER.

2 - Water mains are to be pressure tested in accordance with AWWA Standard C-600-77, Section 4 results to be furnished to the ENGINEER.

3 - Water mains to be C-900 PVC, Class 150, with 36" minimum cover.

4 - Fire Hydrants to be 3-way traffic model, Mueller A-423 or with NSF threads, with D.I. Anchor Couplings.

5 - Gate valves to be standard AWWA with non-rising stems, iron bodies, bronze mounted and tested to 350 psi, Mueller or American.

6 - All services shall include Mueller corporation stop at the main, Mueller Mark II curb stop, and minimum 3/4" polybutylene tubing.

FINAL SURVEY | SURVEYED | PLOTTED | NOTE BOOK | TEMPLATE | NO. | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | SURVEYED | PLOTTED | NOTE BOOK | TEMPLATE | NO. | AREAS | AREAS CHECKED | BY | DATE

OLDE TOWN - PHASE I
PROFILES

3

CENTRAL MISSISSIPPI ENGINEERING, INC.
4 RIVER BEND CIRCLE FLOWOOD, MS.
FEB. 92