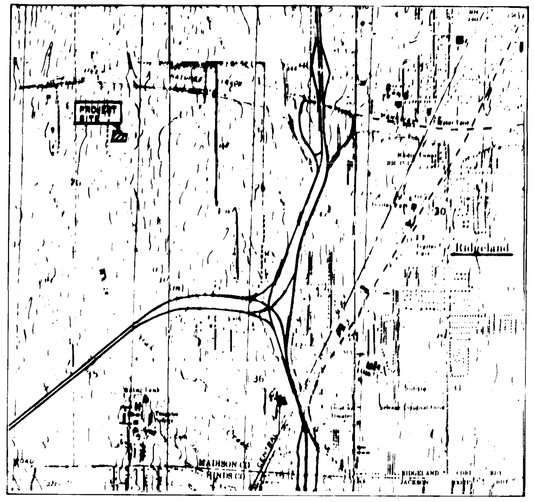
CONSTRUCTION PLANS

SAVANNAH SQUARE OF DINSMOR

SITUATED IN THE NE1/4 OF SECTION 26, T7N-R1E,
MADISON COUNTY, MISSISSIPPI



VICINITY MAP

INDEX OF DRAWINGS

SHT NO	DESCRIPTION
1.	COVER SHEET
2.	PRELIMINARY PLAT
3.	DRAINAGE/UTILITY SITE PLAN
4.	PLAN-PROFILE-PARK LANE-SAVANNAH SQUARE
5.	STANDARD SANITARY SEWER DETAILS
6.	STANDARD WATER DETAILS

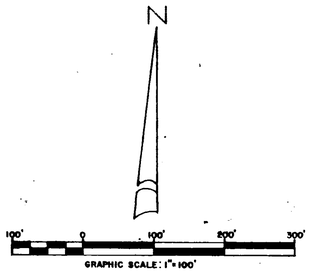
DEVELOPED BY : SMCDC INC. GENERAL PARTNER
5 LAKELAND CIRCLE
JACKSON, MISSISSIPPI 39216.

[redacted]

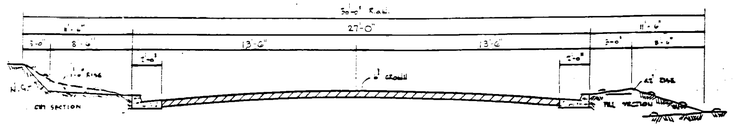
DESIGNED BY : CENTRAL MISSISSIPPI ENGINEERING, INC.
5 LAKELAND CIRCLE
JACKSON, MISSISSIPPI 39216

DECEMBER, 1989

PWP 00405

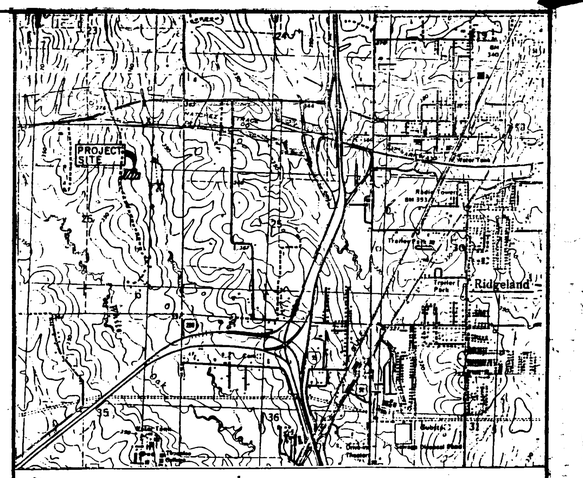


NOTE: CONTOUR INTERVAL SHOWN IS 2 FT.
TOPOGRAPHIC SURVEY BY OTHERS.

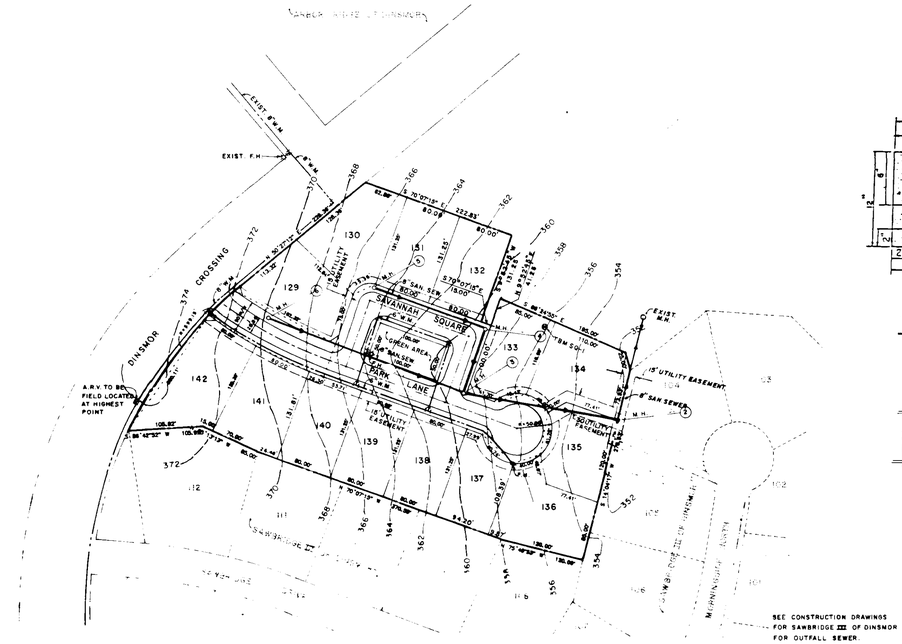


TYPICAL STREET SECTION
NO SCALE

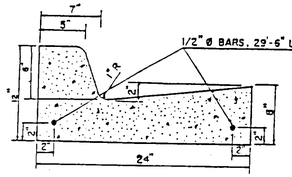
PAVING DESIGN: (MINIMUM)
6" ASPHALT BLACK BASE WITH
1½" ASPHALT SURFACE.



VICINITY MAP
SCALE: 1" = 2000'



℄ CURVE DATA
Δ = 16°51'26"
T = 88.23'
R = 595.45'
L = 175.19'
D = 09°37'20"



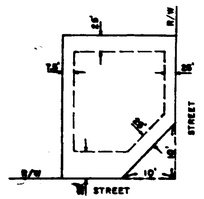
TYPICAL CURB DETAIL
N.T.S.

TBM-SQ-1-ELEV.=360.63 MSL
R.R. SPIKE IN P.P. 70'± N.E.
OF ℄ STA. 2150 SAVANNAH SQUARE

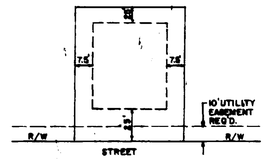
GENERAL NOTES:

1. CONSTRUCTION OF STREET SHALL BE IN ACCORDANCE WITH CITY OF RIDGELAND REGULATIONS AND CONSTRUCTION OF SAN. SEWER AND WATER MAINS SHALL BE IN ACCORDANCE WITH CITY OF RIDGELAND REGULATIONS.
2. LOTS SETBACK SHALL BE AS FOLLOWS:
   25' - FRONT
   7.5' - SIDE
   25' - REAR
3. THIS PROPERTY IS SITUATED IN ZONE "C", NOT A FLOOD HAZARD AREA, ACCORDING TO MAP NO. 280226-0295-B DATED: JAN. 2, 1980.
4. BOUNDARY SURVEY IS A CLASS "B" SURVEY. CONTOURS TAKEN FROM AERIAL TOPOGRAPHIC SURVEY BY OTHERS. DATUM IS N.G.V.D.

Lot 129:	13,012 S.F.	Lot 136:	12,832 S.F.
Lot 130:	13,669 S.F.	Lot 137:	10,500 S.F.
Lot 131:	11,484 S.F.	Lot 138:	10,980 S.F.
Lot 132:	11,484 S.F.	Lot 139:	10,500 S.F.
Lot 133:	10,769 S.F.	Lot 140:	10,500 S.F.
Lot 134:	13,132 S.F.	Lot 141:	11,767 S.F.
Lot 135:	10,629 S.F.	Lot 142:	15,893 S.F.



TYPICAL CORNER LOT
N.T.S.



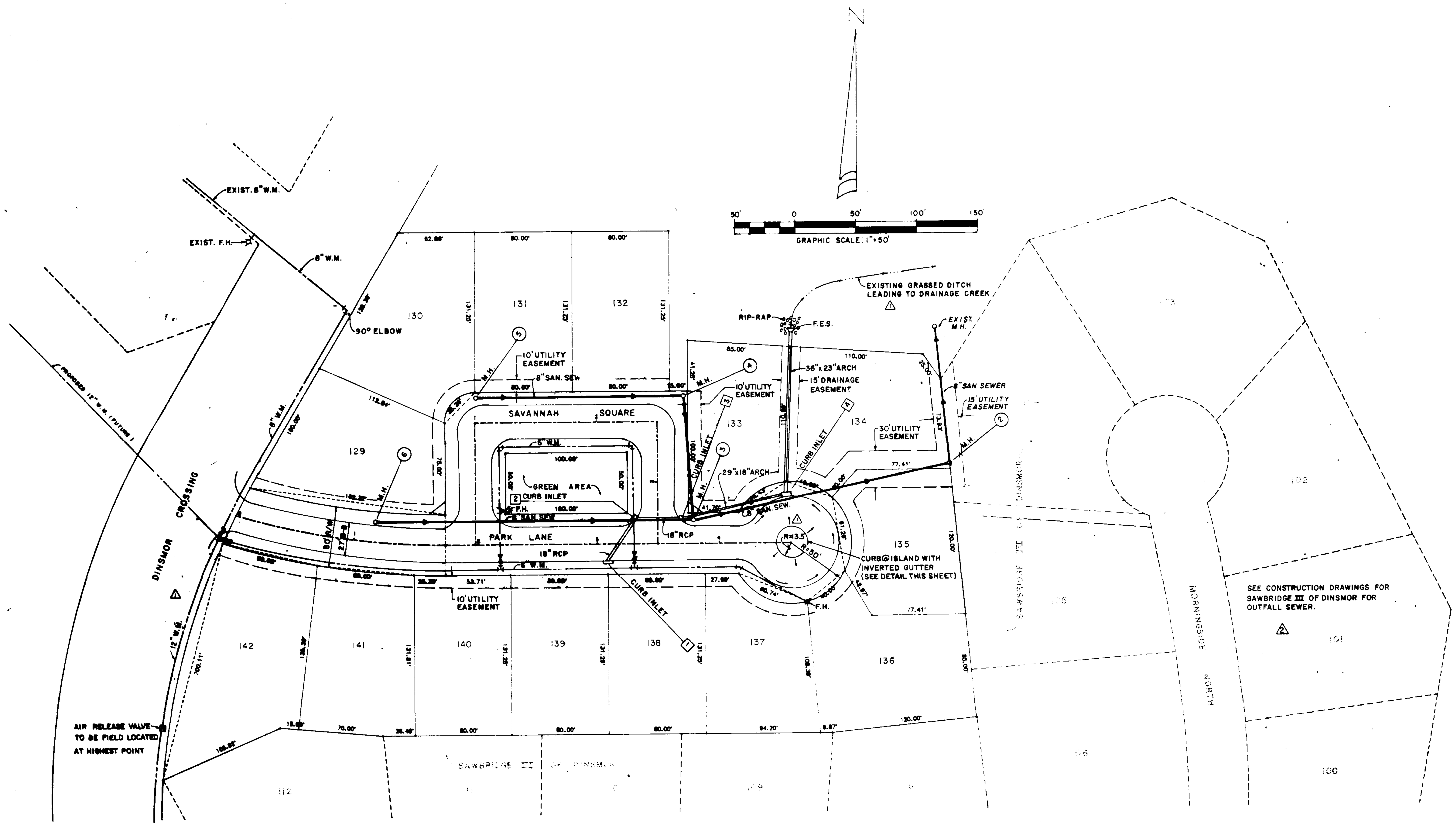
TYPICAL LOT SETBACK
N.T.S.

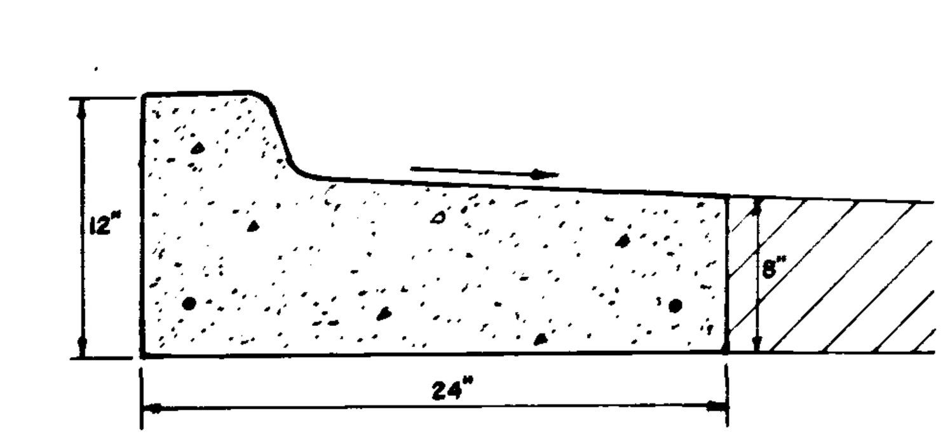
DRAWING CORRECTED
AS BUILT
DATE _____
SIGNED _____

PRELIMINARY PLAT
SAVANNAH SQUARE OF DINSMOR
SITUATED IN THE NE¼ OF SECTION 35, T7N, R1E,
MADISON COUNTY, MISSISSIPPI
DESIGNED BY [illegible] INC., ENGINEER - SURVEYOR
OCTOBER 29, 1989 REV.: APRIL 10, 1990

[illegible] MISSISSIPPI REGISTERED

PWP 0040





INVERTED CURB & GUTTER DETAIL

N.T.S.

STORM DRAINAGE COMPUTATIONS

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

CAPACITY: Q = CxS 1/2
C = (1.46/n) A R 2/3
A = SLOPE
N = .015

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

INLET 1: D.A. = 2.00 AC
Q = (2.00)(6)(.75)
Q = 9.0 CFS
18" @ 1.00 %
Q = (.1000)(91)
Q = 9.1 CFS
V = 5.1 FPS

INLET 2: D.A. = 2.00 + .75 = 2.75 AC
Q = (2.75)(6)(.75)
Q = 12.4 CFS
18" @ 4.29%
Q = (.2071)(91)
Q = 18.9 CFS
V = 10.7 FPS

INLET 3: D.A. = 2.75 + 3.75 = 6.50 AC
Q = (6.50)(6)(.75)
Q = 29.3 CFS
29" X 18" @ 3.53%
Q = (.1879)(163)
Q = 30.6 CFS
V = 10.9 FPS

INLET 4: D.A. = 6.50 + 1.75 = 8.25 AC
Q = (8.25)(6)(.75)
Q = 37.1 CFS
36" X 23" @ 1.75%
Q = (.1323)(296)
Q = 39.2 CFS
V = 8.9 FPS

SAVANNAH SQUARE OF DINSMOR

BEFORE AND AFTER CONSTRUCTION DRAINAGE CALCULATIONS

Before Construction: (Previous Area)
A = 4.9 Acres
I = 4.4 inches/hour
C = 0.6
Q = CIA
= (0.6) (4.4) (4.9)
= 12.9 cfs

Total: Before Construction Runoff = (12.9) cfs

After Construction: (Pervious Area)
A = 3.5 Acres
I = 4.4 inches/hour
C = 0.6
Q = CIA
= (0.6) (4.4) (3.5)
= 9.2 cfs

After Construction: (Impervious Area)
A = 1.4 Acres
I = 4.4 inches/hour
C = 0.9
Q = CIA
= (0.9) (4.4) (1.4)
= 5.5 cfs

Total: After construction Runoff = 14.7 cfs

Summary:

After Construction Runoff = 14.7 cfs
Before Construction Runoff = 12.9 cfs

Additional Runoff = 1.8 cfs

SEWER SPECIFICATIONS

1-All sewer main and services shall be Extra Strength Vitrified Clay Pipe (ASTM C-700), or PVC sewer pipe (ASTM D 3034) SDR 35

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, MSPE 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 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.

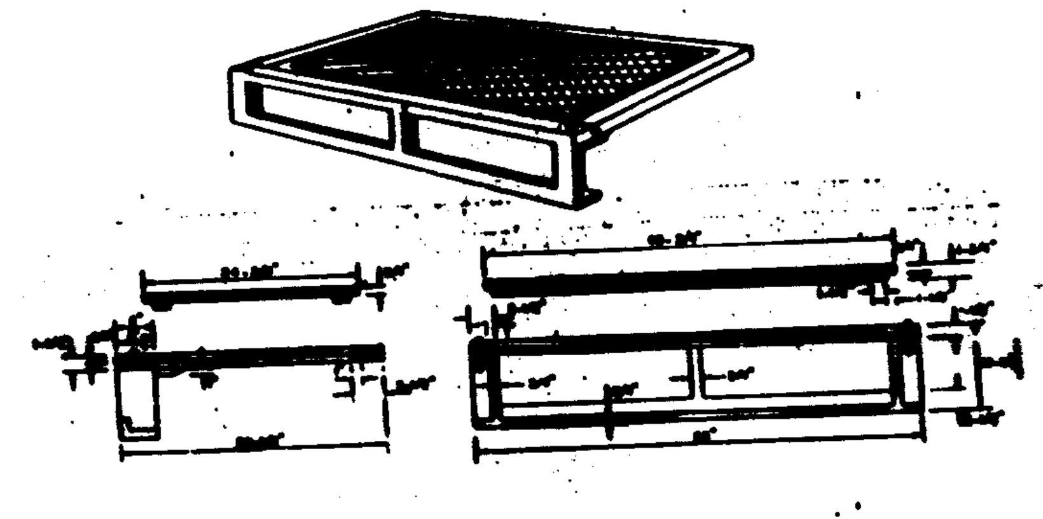
7-Manholes shall be waterproofed with an application of KOPPERS 300 M Coal Tar Epoxy or approved equal, inside and outside.

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

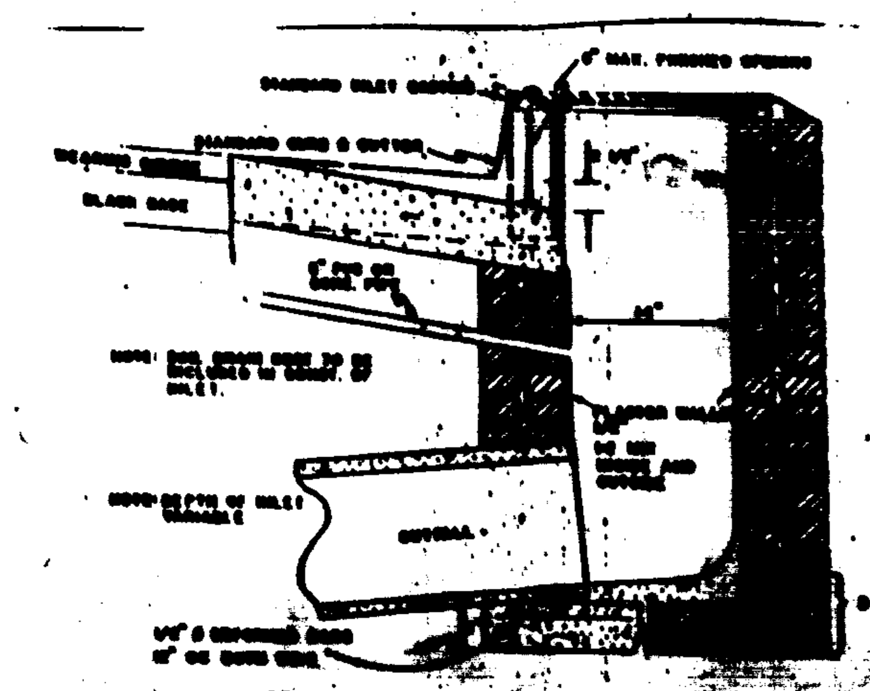
9-All backfill will be of suitable material, hand tamped to (1) foot of the top of the pipe, and otherwise placed in such a manner as not to disturb the alignment of the pipe.

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 described in ASTM C-828-76T, entitled "[illegible] Recommended Practice for Low-Pressure Air Test of [illegible] Clay Pipe Lines". The testing methods [illegible] into consideration the range in ground water elevations [illegible] the situation during the test.



STANDARD CURB INLET CASTING (VULCAN V602-7)



SECTION OF STANDARD CURB INLET

[redacted]

REVISIONS: 1-15-90-ADD CURB INLET DETAIL & NOTES

REVISIONS: 4-10-90-ADDED NOTES

DRAINAGE/UTILITY SITE PLAN

SAVANNAH SQUARE OF DINSMOR

SITUATED IN THE NE 1/4 OF SECTION 26, T7N-R1E,
MADISON COUNTY, MISSISSIPPI

DEVELOPED BY: SMCDC, INC. GENERAL PARTNER
8 LAKELAND CIRCLE JACKSON, MS

DECEMBER 1, 1989

CENTRAL MISSISSIPPI ENGINEERING

P.O. BOX 4506 JACKSON, MS 39296-4506

PLAN·PROFILE-PARK LANE

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

PROFILE-SAVANNAH SQUARE

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

THIS DRAWING CORRECTED
AS BUILT
DATE__________
SIGNED__________

△ REVISION-1-15-90-ADD NOTES
▲ REVISION-4-10-90-ADD NOTES

NOVEMBER 22 1989

PLAN·PROFILE-PARK LANE
SAVANNAH SQUARE
SAVANNAH SQUARE OF DINSMOR

[redacted]