

RIDGELAND CITY OFFICIALS:

MAYOR

GENE F. McGEE

BOARD OF ALDERMEN

- KEN HEARD, WARD 1
- CHUCK GAUTIER, WARD 2
- KEVIN HOLDER, WARD 3
- LARRY ROBERTS, WARD 4
- SCOTT JONES, WARD 5
- LINDA DAVIS TRUNZLER, WARD 6
- GERALD STEEN, AT-LARGE

CITY ATTORNEY

JERRY MILLS

DIRECTOR OF PUBLIC WORKS

MIKE McCOLLUM

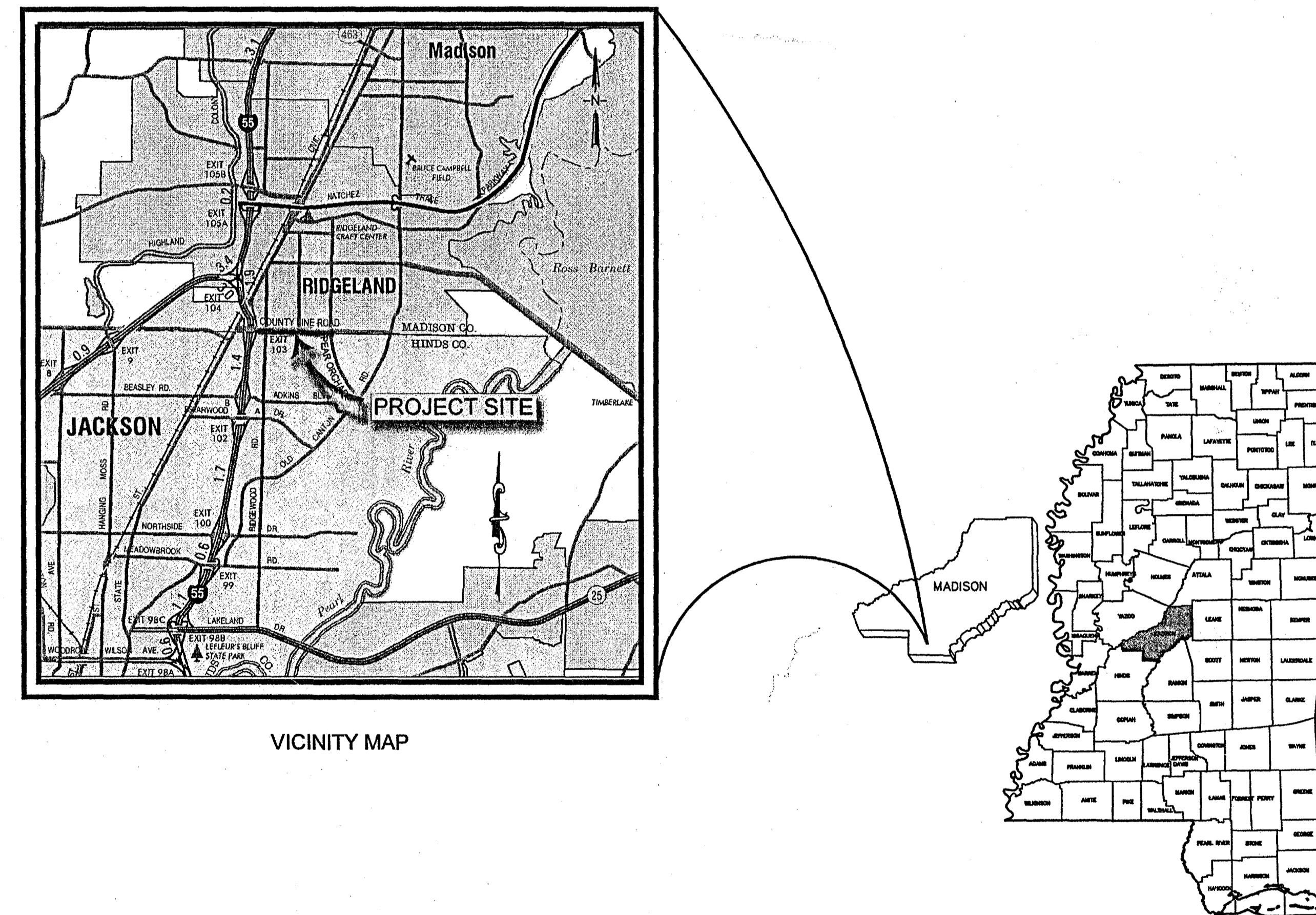
ASST. DIRECTOR OF PUBLIC WORKS

BEN MAYS

CITY ENGINEER

DAVID E. WILLIAMS, P.E.

*CITY OF RIDGELAND
 MADISON COUNTY, MS
 COUNTY LINE ROAD
 MEDIAN LANDSCAPE*



VICINITY MAP

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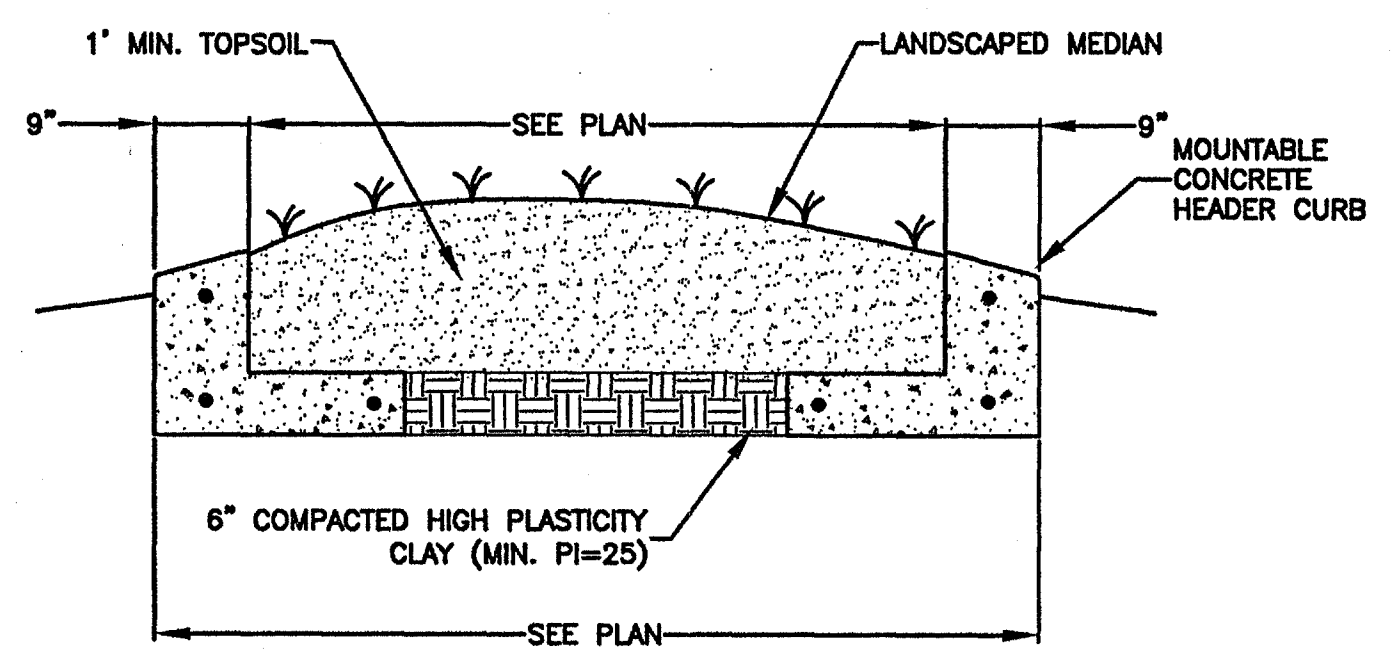
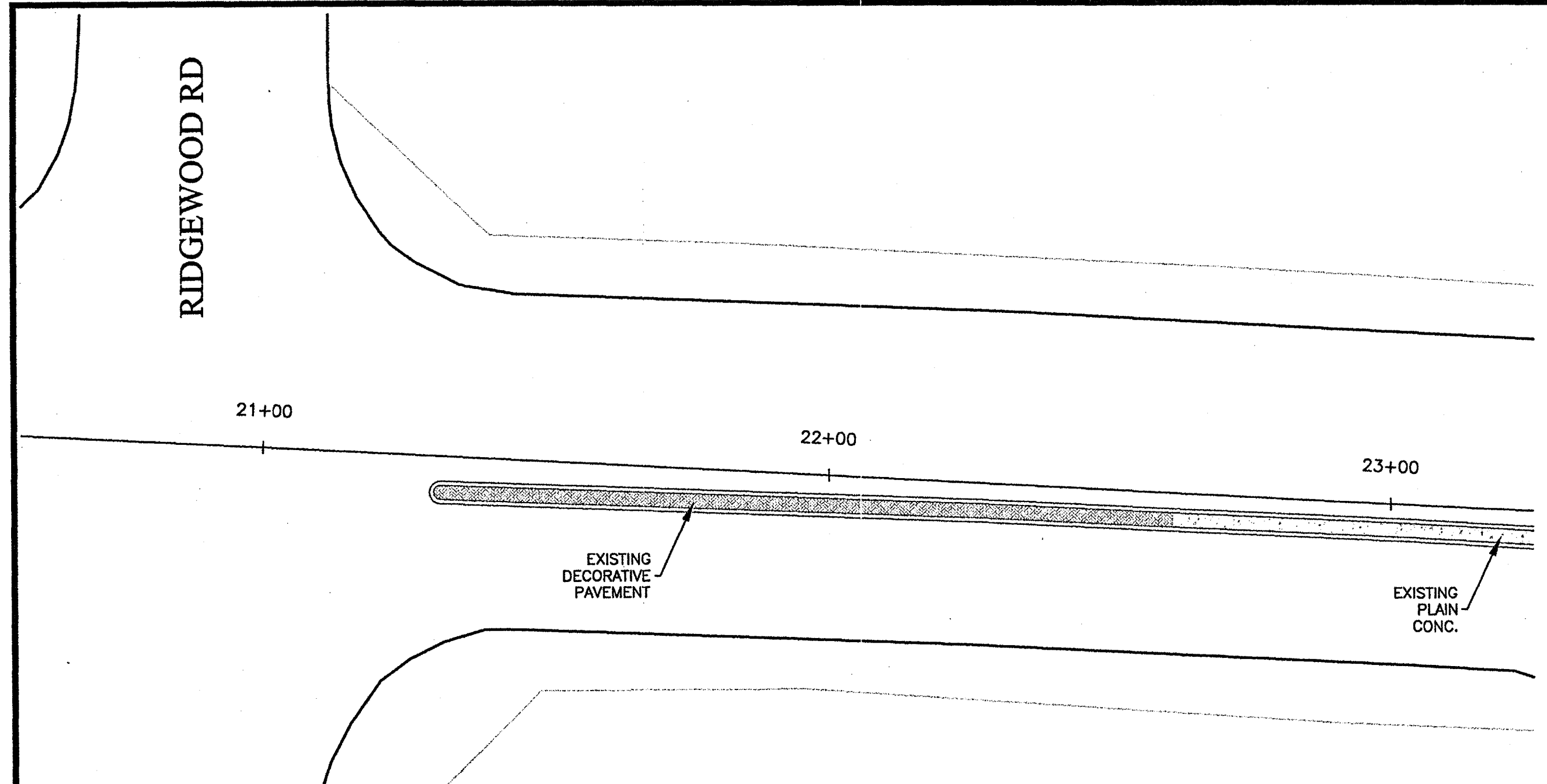
CITY OF RIDGELAND
 COUNTY LINE ROAD
 MEDIAN LANDSCAPE



JULY 2008

APPROVED:	_____	DATE	_____
PROJECT ENGINEER	_____	DATE	_____
APPROVED:	_____	DATE	_____
MAYOR, CITY OF RIDGELAND	_____	DATE	_____

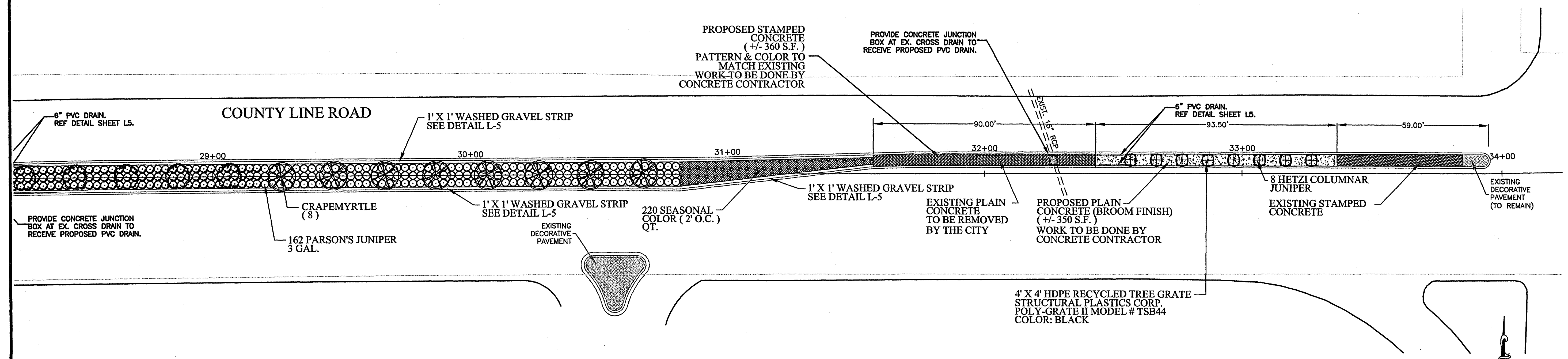
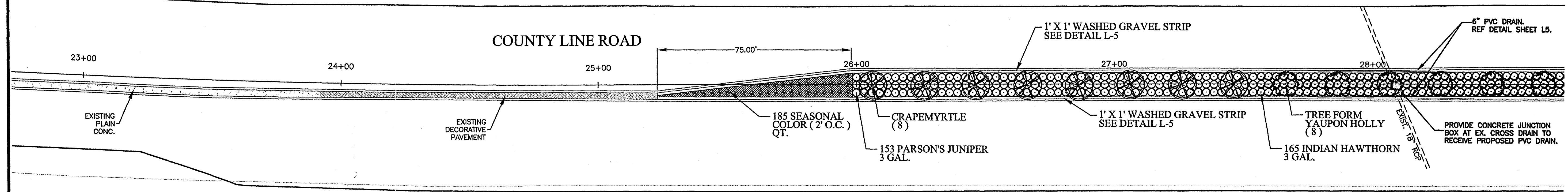
PWP-00340



1
L1 **MEDIAN SUBGRADE DETAIL**
SCALE: N.T.S.

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROTECT EXISTING 6" LAYER OF HIGH PLASTICITY CLAY BENEATH THE EXISTING MEDIAN AS SHOWN IN DETAIL 1/L1. CONTRACTOR SHALL REPAIR ANY DAMAGE TO SAME AT NO ADDITIONAL COST TO OWNER. FOR ANY NECESSARY EXCAVATION BELOW THE EXISTING CLAY LAYER, THE CONTRACTOR SHALL REMOVE AND REPLACE THE HIGH PLASTICITY MATERIAL AS NECESSARY TO PROVIDE A CONTINUOUS 6" LAYER OF SAID MATERIAL BENEATH MEDIAN.
2. THE CITY SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL SALVAGEABLE MATERIALS TO BE REMOVED FROM THE PROJECT LIMITS.
3. PROTECTION OF THE EXISTING IRRIGATION SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR AND REPAIR OF DAMAGE TO THE SAME SHALL BE COMPLETED BY THE CONTRACTOR NO ADDITIONAL COST OF THE OWNER.
4. CONTRACTOR IS RESPONSIBLE TO PROVIDE TO THE CITY 6 COPIES OF SUBMITTALS FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT AS REQUIRED BY THE PROJECT SPECIFICATIONS.
5. PAYMENT FOR EXCAVATION OF ANY CLASSIFICATION (TOPSOIL, UNCLASSIFIED, HIGH-PLASTICITY CLAY, ETC.) FOR WHICH NO PAY ITEM IS PROVIDED SHALL BE INCLUDED IN THE UNIT COST FOR THE ITEM IN WHICH THE EXCAVATION IS REQUIRED.
6. THE CITY WILL PROVIDE LIMITED STORAGE SPACE AT THEIR MAINTENANCE FACILITY LOCATED AT 240 WEST SCHOOL STREET.
7. ALL EQUIPMENT AND UNINSTALLED MATERIAL SHALL BE REMOVED FROM THE PROJECT LIMITS AT THE CONCLUSION OF THE WORK DAY.
8. ALL EXISTING CREPE MYRTLES WILL BE REMOVED BY THE CITY PRIOR TO CONSTRUCTION. ALL OTHER EXISTING TREES AND SHRUBS ARE TO BE REMOVED BY THE CONTRACTOR. THE CITY MAINTAINS FIRST RIGHT OF REFUSAL FOR ALL EXISTING PLANT MATERIALS REMOVED BY THE CONTRACTOR.
9. ALL WORK INDICATED ON SHEETS L3 & L3 OF THIS PLAN ASSEMBLY IS TO BE INCLUDED IN ALTERNATE #1.



SITE PLAN
SCALE: 1"=20'

Prepared By:
B Landscape
rry
4210 Lakeland Drive
Jackson, Mississippi 39232
(601) 932-6606



Client:
A Landscape Master Plan for:
COUNTY LINE ROAD
MEDIAN LANDSCAPE
RIDGEWOOD, MISSISSIPPI

SCALE:
1" = 20'-0"

PROJECT NUMBER
030708

DRAWN BY:
NM/WW

CHECKED BY:
WW

APPROVED BY:

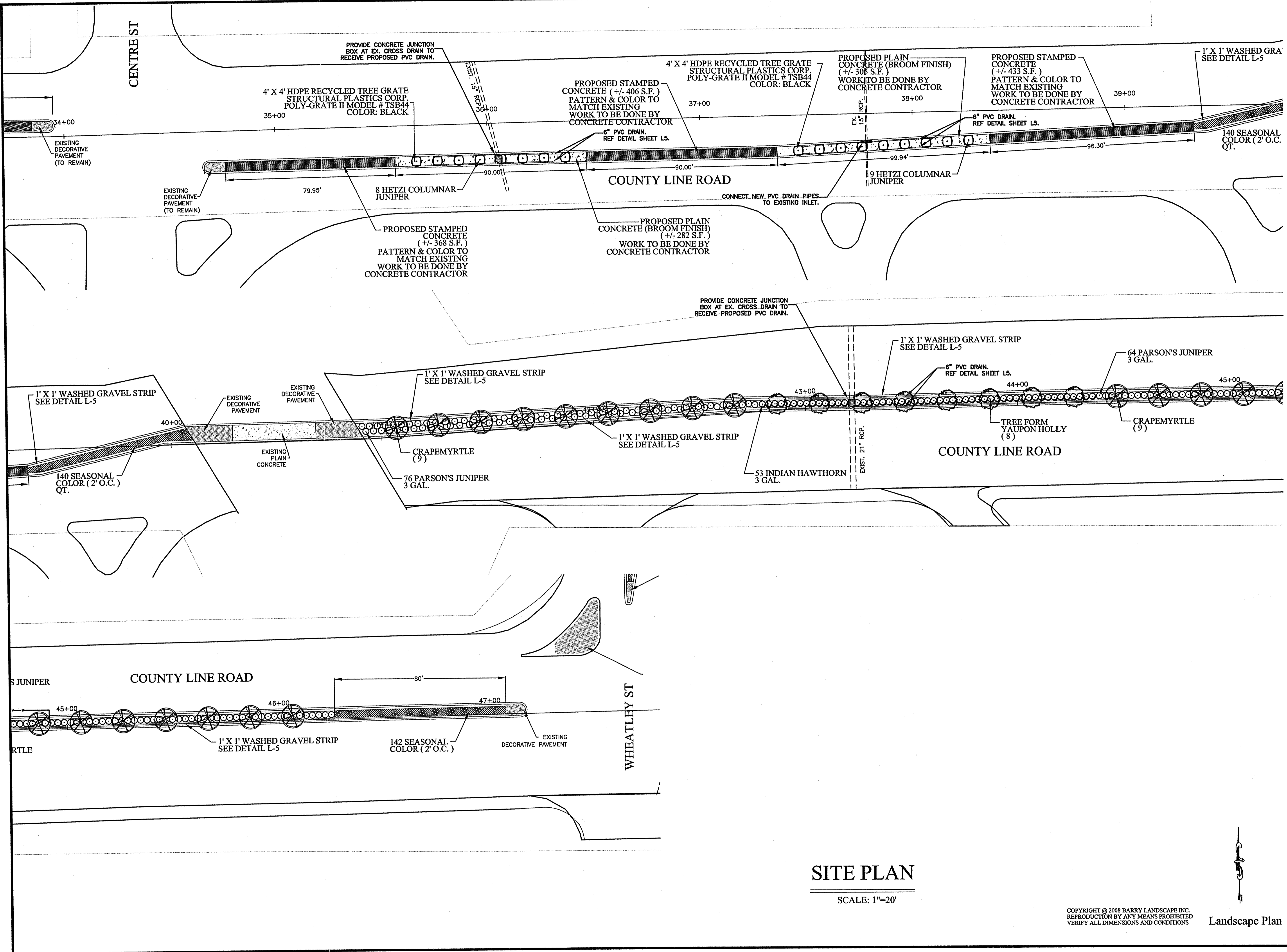
REVISION:
3/26/2008

DATE:
3/7/2008

SHEET NUMBER:
L1

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Landscape Plan



SITE PLAN

SCALE: 1"=20'

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Landscape Plan

Prepared By:

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Client:
A Landscape Master Plan for
**COUNTY LINE ROAD
MEDIAN LANDSCAPE**
RIDGELAND, MISSISSIPPI

SCALE:
1" = 20'-0"

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030708

DRAWN BY:
NM/WW

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WW

APPROVED BY:

REVISION:
3/26/2008

DATE:
3/7/2008

SHEET NUMBER:

L2

RING BOULEVARD

PROPOSED STAMPED CONCRETE (+/- 57 S.F.) WORK TO BE DONE BY CONCRETE CONTRACTOR

72 SEASONAL COLOR (2' O.C.)

1' X 1' WASHED GRAVEL STRIP SEE DETAIL L-5

PROPOSED PLAIN CONCRETE (BROOM FINISH) (+/- 538 S.F.) WORK TO BE DONE BY CONCRETE CONTRACTOR

WHEATLEY STREET

NOTE: ROCK INSIDE MEDIAN TO BE REMOVED BY CONCRETE CONTRACTOR.

12 HETZI COLUMNAR JUNIPER

4' X 4' HDPE RECYCLED TREE GRATE STRUCTURAL PLASTICS CORP. POLY-GRATE II MODEL # TSB44 COLOR: BLACK

PROPOSED PLAIN CONCRETE (BROOM FINISH) (+/- 210 S.F.) WORK TO BE DONE BY CONCRETE CONTRACTOR

4 HETZI COLUMNAR JUNIPER

4' X 4' HDPE RECYCLED TREE GRATE STRUCTURAL PLASTICS CORP. POLY-GRATE II MODEL # TSB44 COLOR: BLACK

75 PARSON'S JUNIPER 3 GAL.

CRAPEMYRTLE (11)

WHEATLEY STREET

31 SEASONAL COLOR (2' O.C.)

PROPOSED STAMPED CONCRETE (+/- 23 S.F.) WORK TO BE DONE BY CONCRETE CONTRACTOR

PROPOSED STAMPED CONCRETE (+/- 40 S.F.)

126 SEASONAL COLOR (2' O.C.)

1' X 1' WASHED GRAVEL STRIP SEE DETAIL L-5

1' X 1' WASHED GRAVEL STRIP SEE DETAIL L-5

140 SEASONAL COLOR (2' O.C.)

PROPOSED STAMPED CONCRETE (+/- 24 S.F.)

WHEATLEY STREET

1' X 1' WASHED GRAVEL STRIP SEE DETAIL L-5

120 PARSON'S JUNIPER 3 GAL.

CRAPEMYRTLE (6)

LITTLE GEM MAGNOLIA (6)

NOTE: CONCRETE INSIDE MEDIAN TO BE REMOVED BY CITY OF RIDGELAND. TOPSOIL TO BE BACKFILLED BY LANDSCAPE CONTRACTOR.

1' X 1' WASHED GRAVEL STRIP SEE DETAIL L-5

CRAPEMYRTLE (6)

RING BOULEVARD

GENERAL CONSTRUCTION NOTES:

- CONTRACTOR SHALL PLACE A CONTINUOUS 6" HIGH-PLASTICITY CLAY LAYER (MIN. PI=25) WITHIN THE LIMITS OF THE PROPOSED LANDSCAPED MEDIAN ON WHEATLEY STREET (COST ABSORBED). REFERENCE DETAIL 1/L1 (SIM.).

ALTERNATE #1

SITE PLAN

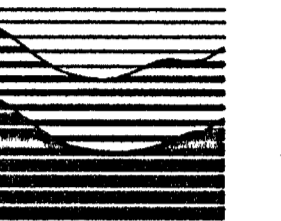
SCALE: 1"=20'

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Landscape Plan

Prepared By:

B Landscape Inc.
 4210 Lakeland Drive
 Jackson, Mississippi 39232
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ASLA

Client: A Landscape Master Plan for
**COUNTY LINE ROAD
 MEDIAN LANDSCAPE**
 RIDGELAND, MISSISSIPPI

SCALE:

1" = 20'-0"

PROJECT NUMBER

030708

DRAWN BY:

NM/WW

CHECKED BY:

WW

APPROVED BY:

REVISION:

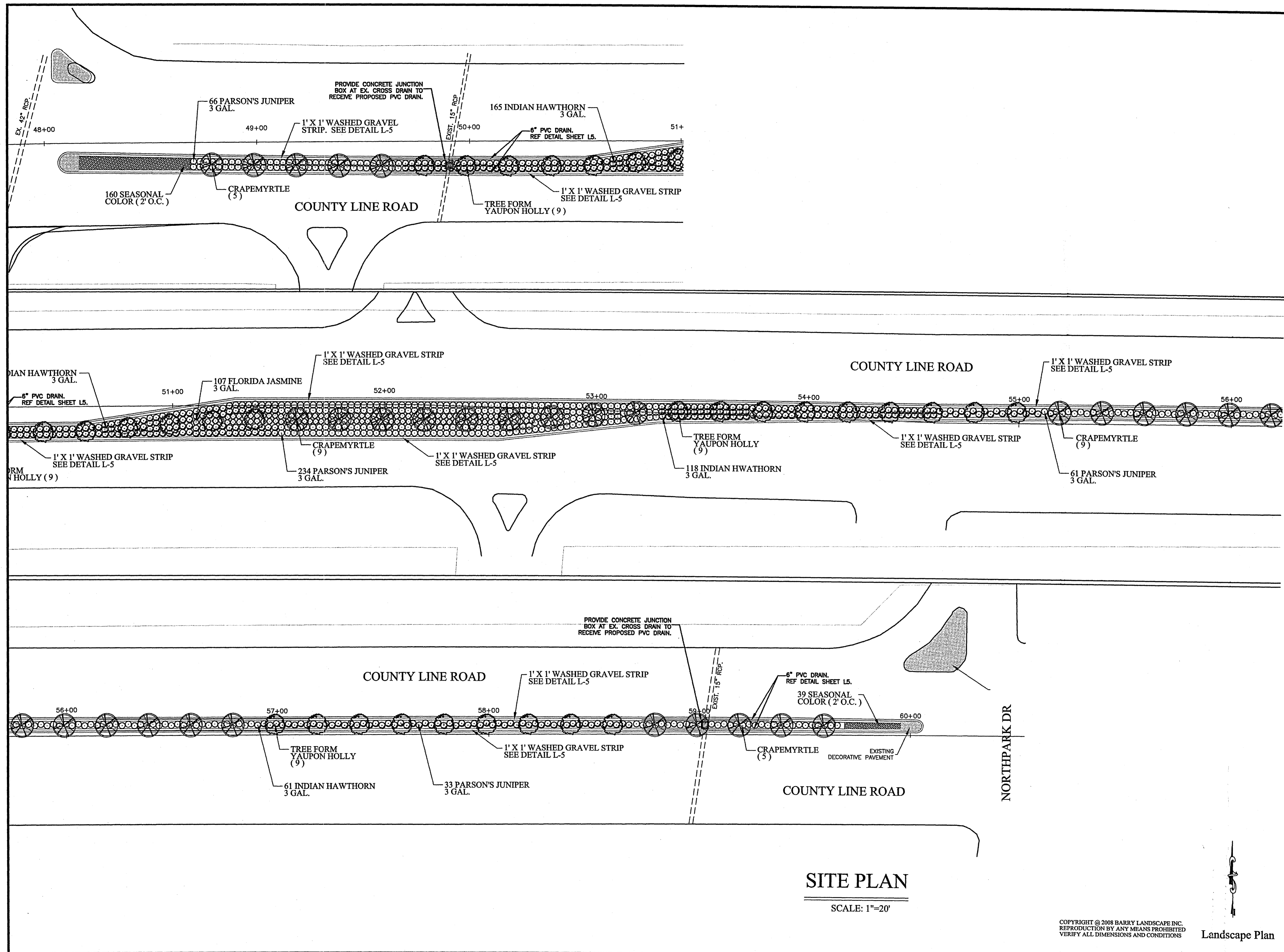
3/26/2008

DATE:

3/7/2008

SHEET NUMBER:

L3



SITE PLAN

SCALE: 1"=20'

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ASLA

Client: A Landscape Master Plan for:
**COUNTY LINE ROAD
MEDIAN LANDSCAPE**
RIDGELAND, MISSISSIPPI

SCALE:
1" = 20'-0"

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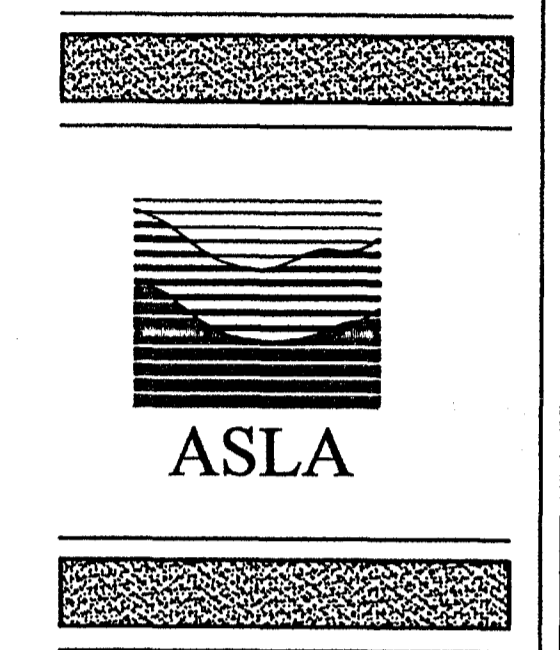
APPROVED BY:

REVISION:
3/26/2008

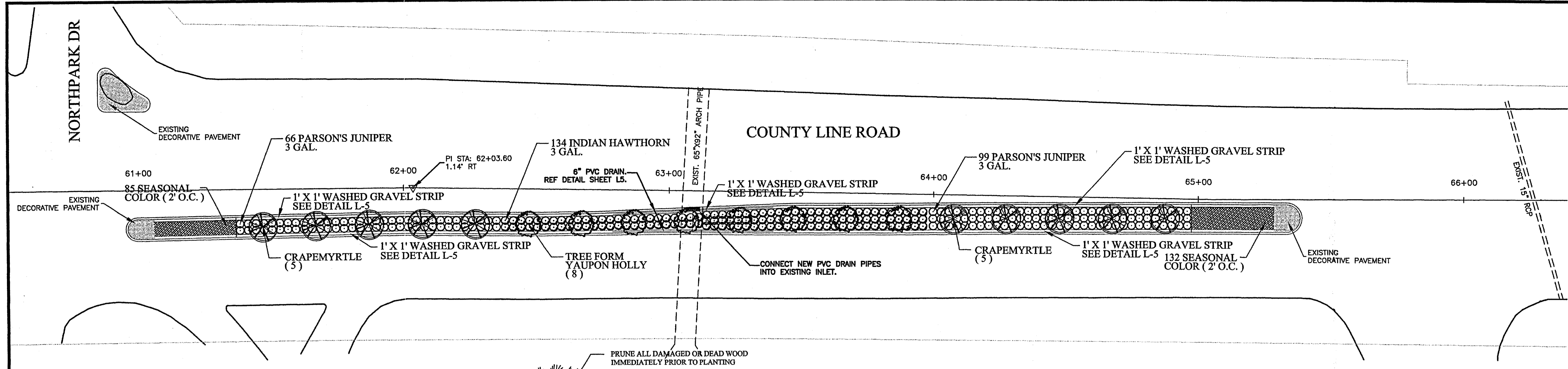
DATE:
3/7/2008

SHEET NUMBER:

L4



Client: A Landscape Master Plan for
COUNTY LINE ROAD
MEDIAN LANDSCAPE
 JACKSON, MISSISSIPPI



SITE PLAN
 SCALE: 1"=20'

PLANTING NOTES:

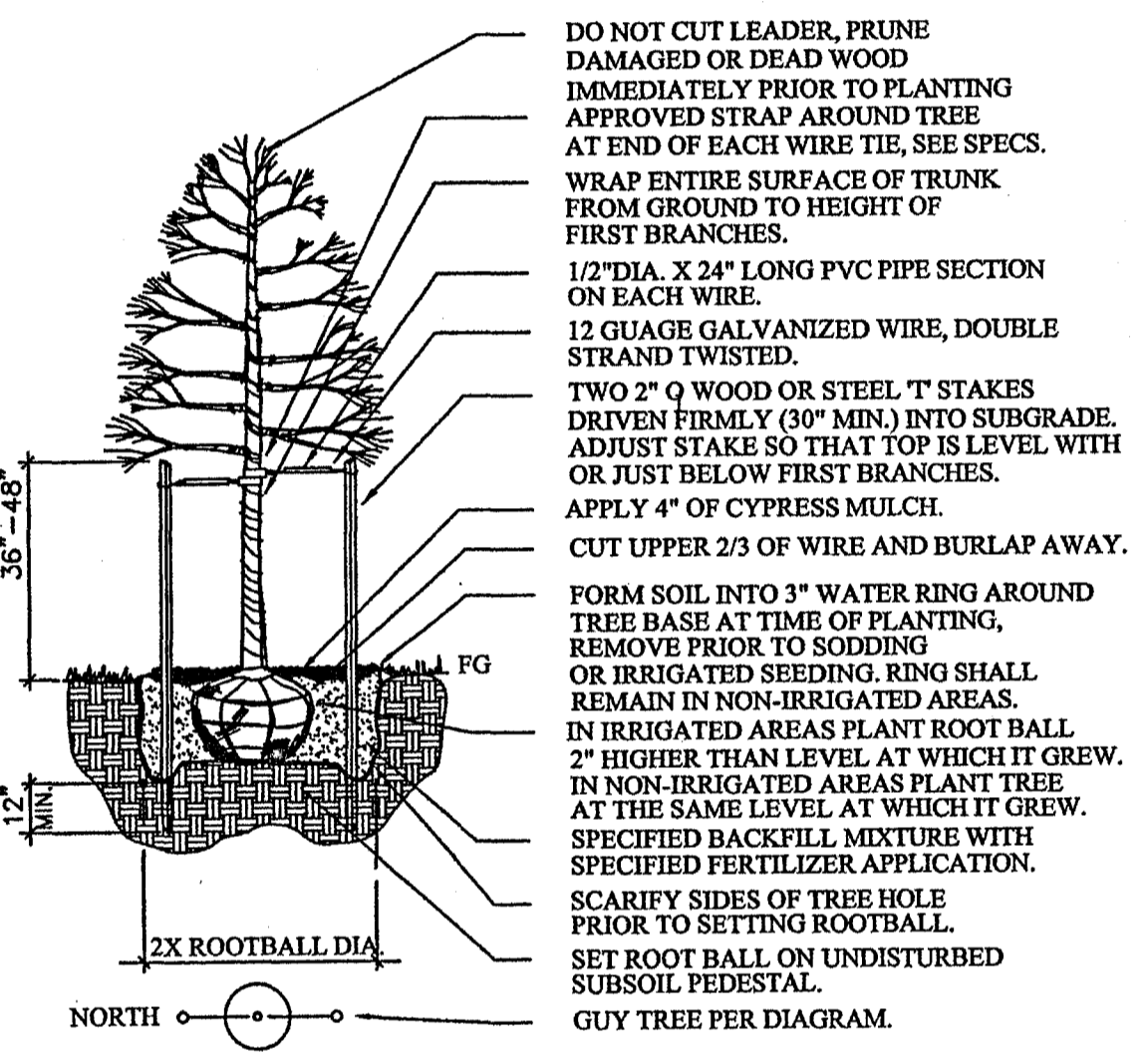
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING TREES TO REMAIN. NO HEAVY EQUIPMENT SHOULD BE PERMITTED TO OPERATE OR TO BE STORED, NOT ANY MATERIALS TO BE HANDLED OR STORED, WITHIN THE DRIPLINES OF TREES OUTSIDE THE LIMIT OF GRADING.
- THE QUANTITIES INDICATED ON THE PLANT LIST AND PLAN ARE PROVIDED FOR THE BENEFIT OF THE LANDSCAPE CONTRACTOR, BUT SHOULD NOT BE ASSUMED TO ALWAYS BE CORRECT. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY CALCULATIONS.
- ALL PLANT MATERIALS TO BE NURSERY GROWN TO COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK, SIZE, AND QUANTITY.
- NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.
- THE LANDSCAPE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL MARKED UTILITIES ACCORDING TO LOCAL STANDARDS AND COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- ALL TREES, SHRUBS, AND BEDS ARE TO BE MULCHED WITH CYPRESS MULCH. MULCH TO BE A MINIMUM DEPTH OF 4".
- THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL OR ANY DEFECTIVE WORKMANSHIP.
- PLANT MATERIAL SUFFERING FROM WIND BURN OR OTHER DAMAGE IS NOT ACCEPTABLE.
- ALL PLANT MATERIAL IS TO BE GUARANTEED FOR ONE (1) YEAR. GUARANTEE PERIOD SHALL START FROM DATE OF FINAL ACCEPTANCE BY OWNER.

REVISED PLANT SCHEDULE:

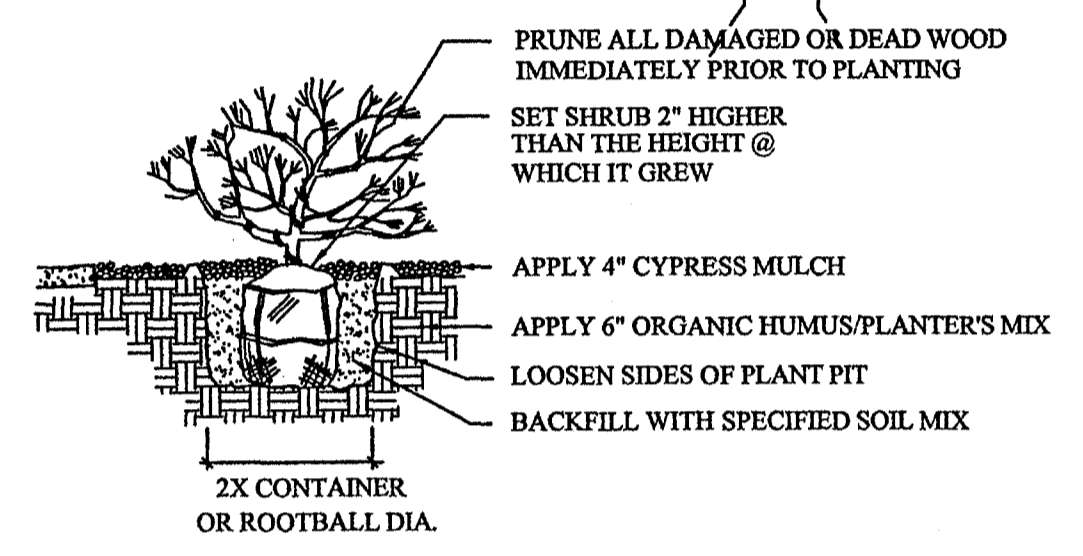
COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
TREES			
TREE FORM YAUPON HOLLY	ILEX VOMITORIA	8' HT.	51
CRAPE MYRTLE	LAGERSTROEMIA INDICA	8' HT.	95
HETZI COLUMNAR JUNIPER	JUNIPERUS CHINENSIS 'HETZI COLUMNAR'	8' HT.	42
LITTLE GEM MAGNOLIA	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	8' HT.	6
SHRUBS			
INDIAN HAWTHORN	RAPHOLEPIS INDICA	3 GAL.	696
PARSON'S JUNIPER	JUNIPERUS DAURICA 'PARSON'	3 GAL.	1209
FLORIDA JASMINE	JASMINUM FLORIDUM	3 GAL.	107
SEASONAL COLOR			
SEASONAL COLOR (VARIETY TO BE CHOSEN ACCORDING TO INSTALL DATE)		QT.	1472

INSTALLATION NOTES:

- BED WORK NOTES:**
 APPLY 4" CYPRESS MULCH ON ALL PLANTED AREAS
 APPLY 6" ORGANIC HUMUS/PLANTER'S MIX AND TILL IN TO ALL PLANTED AREAS
- FERTILIZATION NOTES:**
 A PRELIMINARY SOIL ANALYSIS WILL BE DISCUSSED AT PRE-BID CONFERENCE.
 A PROPER FERTILIZATION APPLICATION IS ESSENTIAL FOR PLANT ESTABLISHMENT IN THESE MEDIANS.
- IRRIGATION NOTES:**
 THE EXISTING IRRIGATION SYSTEM WILL HAVE TO BE MODIFIED BY MOVING ALL HEADS ALONG CURBS TO THE CENTER OF THE MEDIANS, DUE TO EXISTING VEHICULAR PROBLEMS.
- TREE GRATE INSTALLATION:**
 COORDINATE INSTALL WITH CONCRETE CONTRACTOR. NO TREE GRATE HOLES SHALL BE LEFT OPEN OVERNIGHT. A DETAIL SHOWING INSTALLATION PROCEDURES CAN BE FOUND @ PLASTICREGRATES.COM. SEE PLAN FOR MODEL NUMBER SPECIFIED.
 FEA GRAVEL, TO A DEPTH OF INSTALLATION LEDGE, SHALL BE INSTALLED TO SUPPORT GRATES.
- DRAINAGE NOTES:**
 A 6" PERFORATED PVC DRAINAGE PIPE SHALL BE INSTALLED IN EACH MEDIAN. (SEE DETAIL) L5
 INSTALLATION LOCATION SHALL BE IN THE CENTER OF MEDIAN AND SHALL TERMINATE INTO AN EXISTING DRAINAGE STRUCTURE RUNNING PERPENDICULAR TO THE MEDIAN.



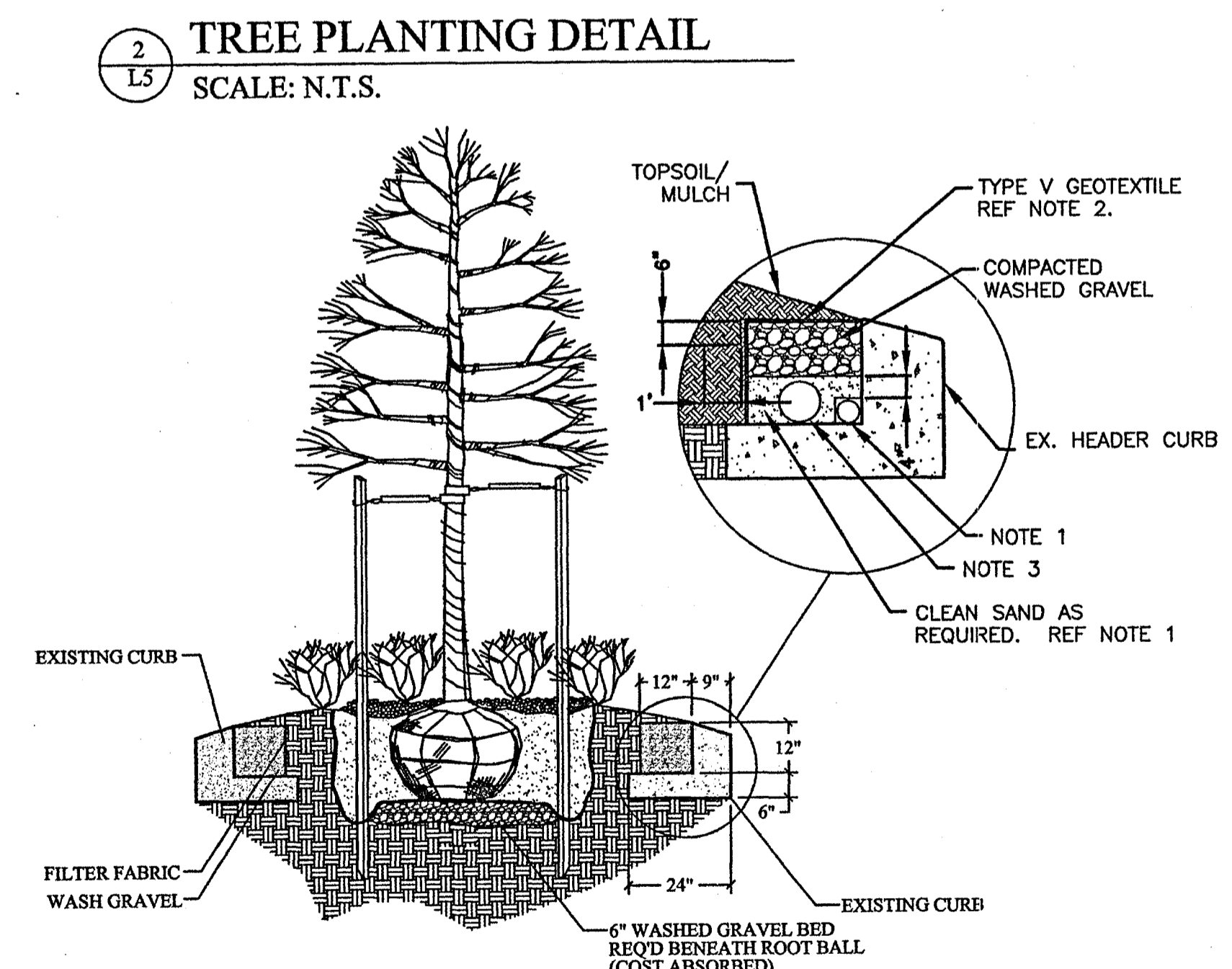
1 TREE PLANTING DETAIL
 SCALE: N.T.S.



2 SHRUB PLANTING DETAIL
 SCALE: N.T.S.

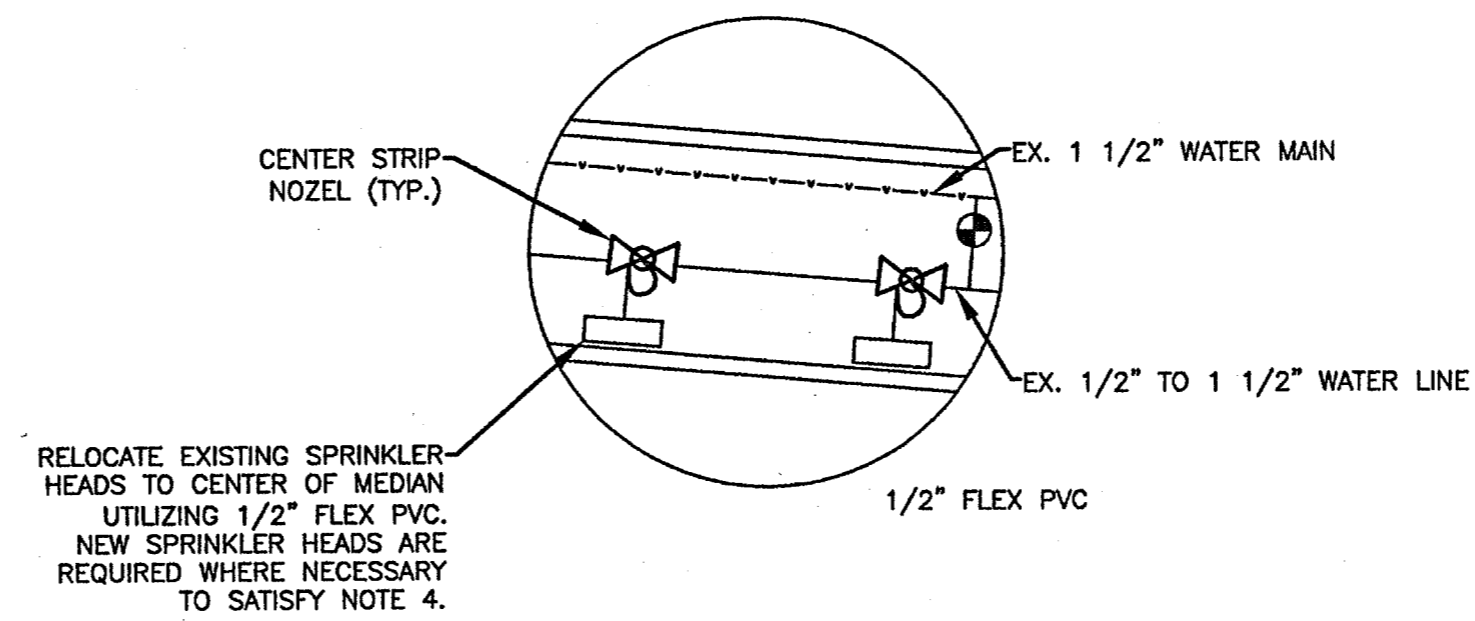
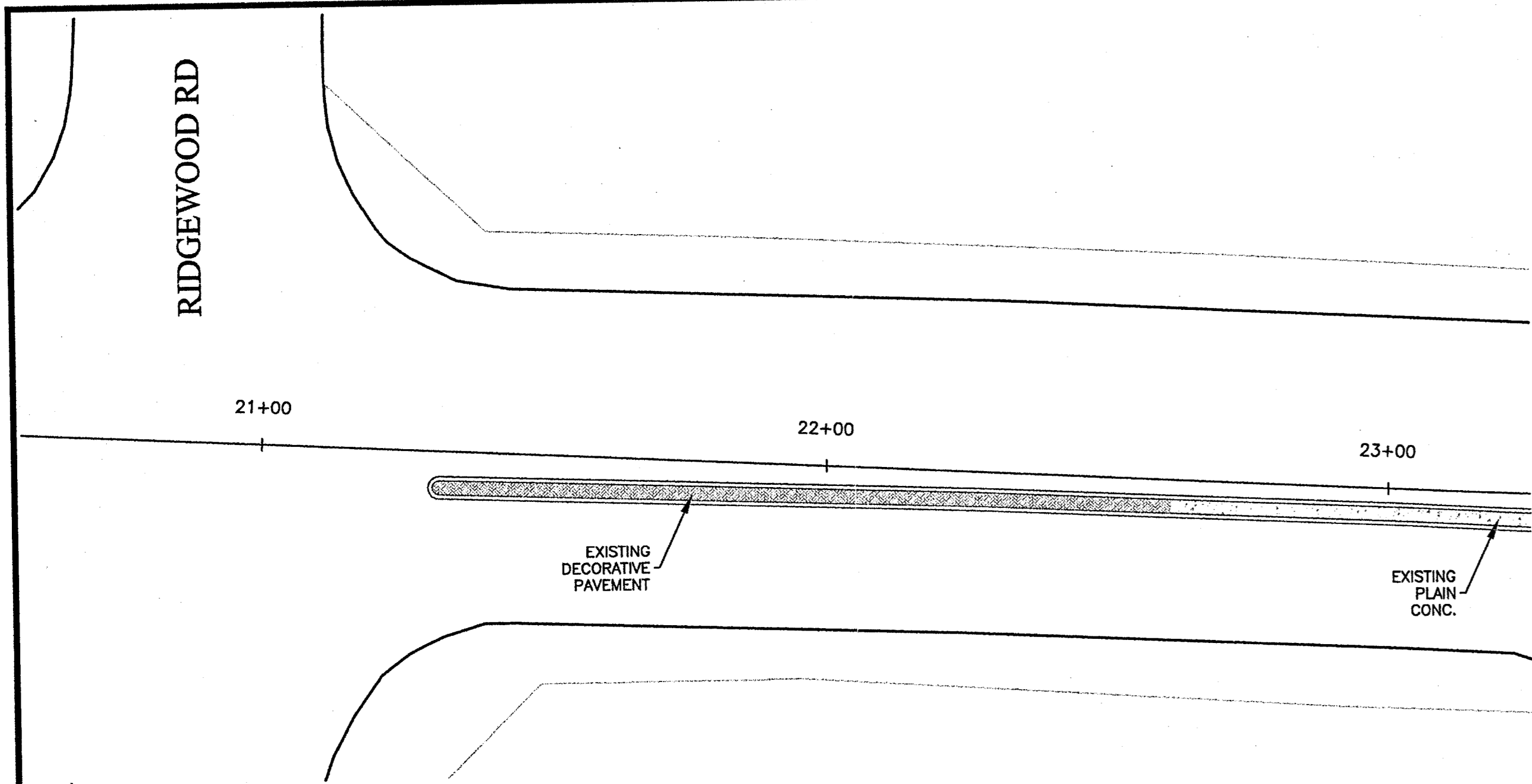
ORIGINAL PLANT SCHEDULE:

PLANT MATERIAL LIST							
	PLANT #	SYMBOL	COMMON NAME	SCIENTIFIC NAME	PLANTING METHOD	SIZE / HABITAT	COMMENTS
TREES	TREE #1		NATCHEZ' CRAPE MYRTLE	LARGERSTROEMIA INDICA 'NATCHEZ'	A	10'-12' / 20' O.C.	MULTI TRUNK
	TREE #2		FOSTER'S HOLLY	LLEX ATTENUCTA 'FOSTER'	A	10'-12' / 20' O.C.	LOWER LIMBS TO REMAIN
	TREE #3		TUSCARORA' CRAPE MYRTLE	LARGERSTROEMIA INDICA 'TUSCARORA'	A	10'-12' / 20' O.C.	MULTI TRUNK
SHRUBS	SHRUB #1		FOUNTAIN GRASS	MISCANTHUS SINENSIS 'MORNING LIGHT'	C	3 GAL / 3' O.C.	
	SHRUB #2		DWARF YAUPON HOLLY	LLEX VOMITORIA 'NANA'	C	3 GAL / 3' O.C.	
GROUND COVER	GROUND COVER #1		ANDORRA JUNIPER	JUNIPERUS HORIZONTALIS 'PLUMOSA'	C	1 GAL / 4' O.C.	
	GROUND COVER #2		ASIATIC JASMINE	TRACHELOSPERMUM ASIATICUM	D	4" POT / 8" O.C.	
	GROUND COVER #3		VARIGATED LIROPE	LIROPE MUSCARI 'SILVER SUNPROOF'	D	4" POT / 1' O.C.	

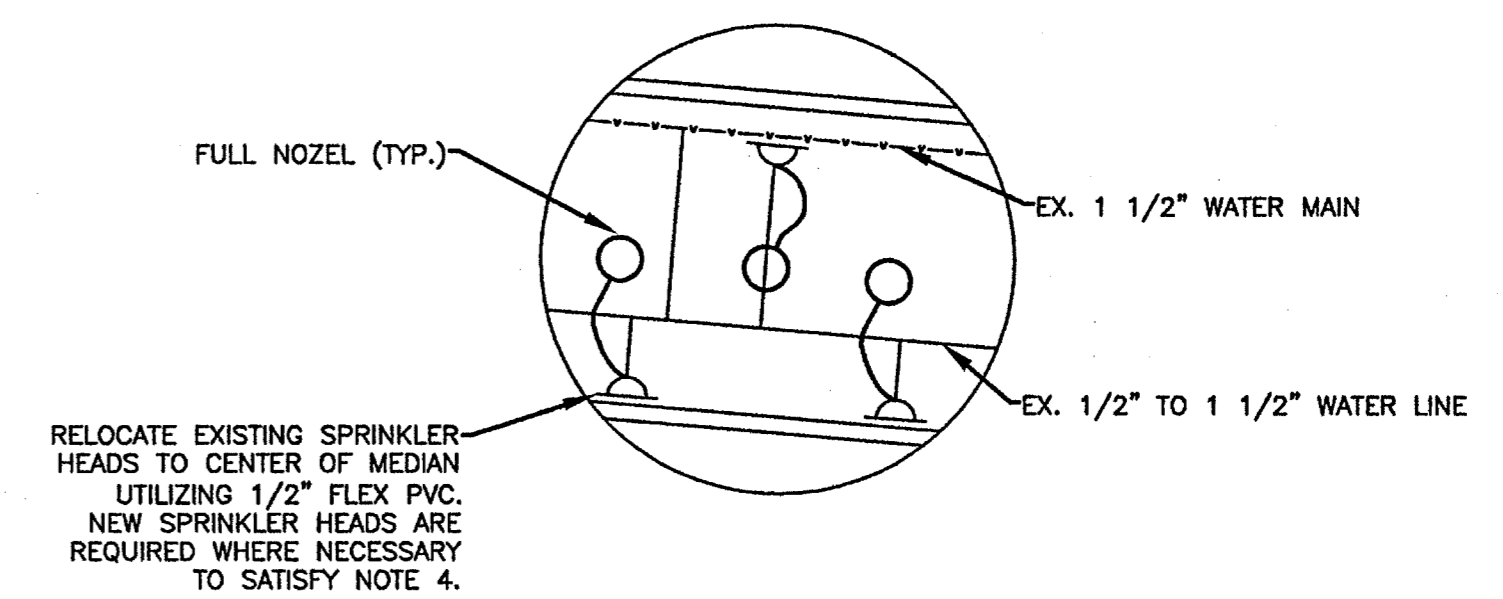


3 MEDIAN PLANTING DETAIL
 SCALE: N.T.S.

- NOTES:**
- WHERE POSSIBLE, EX/PROPOSED WATER LINE SHALL BE PLACED OUTSIDE OF THE PROPOSED GRAVEL TRENCH. WHERE EXISTING/PROPOSED WATER LINE CANNOT BE LOCATED OUTSIDE OF THE GRAVEL TRENCH, THE WATER LINE SHALL BE MOVED TO THE CORNER OF CURB AND COVERED WITH A 6" MIN. SAND LAYER.
 - GEOTEXTILE FABRIC SHALL TOTALLY ENCASE PROPOSED GRAVEL/SAND TRENCH. TYPE V GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF SECTION 209 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.
 - CONTRACTOR SHALL PROVIDE 6" SCHEDULE 40, SOLVENT WELD PVC WITHIN GRAVEL TRENCH A DISTANCE OF 30' IN BOTH DIRECTIONS FROM PROPOSED JUNCTION BOXES. THE IMMEDIATE 10' OF PIPE ADJACENT TO THE JUNCTION BOX SHALL BE SOLID WALL PIPE AND THE REMAINING 20' SHALL BE PERFORATED. ALL PERFORATED PIPE SHALL BE RAPPED IN TYPE V GEOTEXTILE FABRIC. GRAVEL/SAND TRENCH SHALL BE TERMINATED 10' FROM EITHER SIDE OF PROPOSED JUNCTION BOX.



1 SIDE STRIP REPLACEMENT DETAIL
SCALE: N.T.S.



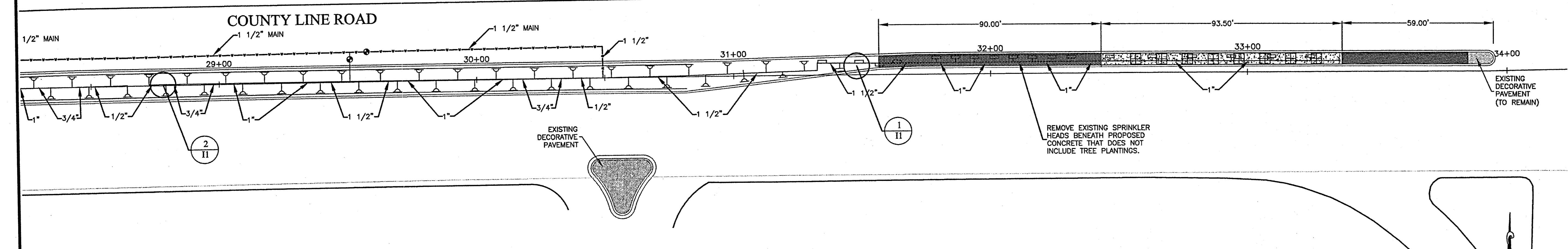
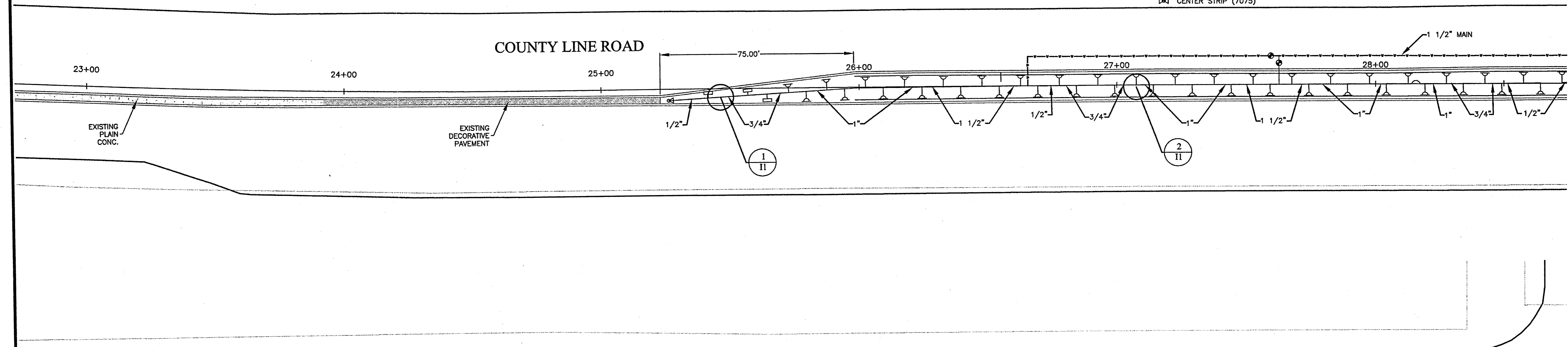
2 HALF SPRAY REPLACEMENT DETAIL
SCALE: N.T.S.

MEDIAN IRRIGATION NOTES

1. ALL SIDE STRIP NOZLES ARE TO BE MOVED TO CENTER OF MEDIAN AND CHANGED TO CENTER STRIP NOZLES. ALL HALF SPRAY NOZLES ARE TO BE MOVED TO THE CENTER OF THE MEDIAN AND CHANGED TO FULL NOZLES. RE-USE THE EXISTING POP-UP BODY WHERE APPLICABLE. RELOCATION TO BE ACCOMPLISHED USING 1/2" FLEX PVC, NOT "POLY" TUBING. HEADS MUST BE INSTALLED FLUSH WITH FINISH GRADE.
2. IRRIGATION NOTE 4 TO TAKE PRECEDENCE OVER UTILIZATION OF EXISTING HEADS.
3. WATER MAIN AND DIRECT BURIAL ELECTRICAL LINE ARE SHOWN OUTSIDE OF THE MEDIAN FOR CLARITY.
4. 6" POP-UP HEAD REQ'D FOR GROUND COVER
12" POP-UP HEAD REQ'D FOR SHRUBS.

LEGEND

- M 1 1/2" MINIMUM WATER METER
- E ELECTRICAL SERVICE
- C CONTROL PANEL
- B 1 1/2" RPA BACKFLOW PREVENTER W/ INSULATED COVER
- EV ELECTRIC VALVE
- ES END STRIP
- HS HALF SPRAY (7072)
- SS SIDE STRIP (7076)
- DBEL DIRECT BURIAL ELECTRICAL LINE (14 GA.)
- FS FULL SPRAY (8") (7274)
- CS CENTER STRIP (7075)



PLANS INDICATE APPROXIMATE LOCATION AND COMPONENTS OF THE EXISTING IRRIGATION SYSTEM FOR INFORMATIONAL PURPOSES ONLY. THE EXISTING SYSTEM SHALL BE MODIFIED ACCORDING TO IRRIGATION NOTES AND DETAILS ON SHEET L1.

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Prepared By:
B Landscape Inc.
4210 Labeland Drive
Jackson, Mississippi 39232
(601) 932-6606



Client: A Landscape Master Plan for:
**COUNTY LINE ROAD
MEDIAN LANDSCAPE**
RIDGELAND, MISSISSIPPI

SCALE: 1" = 20'-0"
PROJECT NUMBER: 030708
DRAWN BY: NM/WW
CHECKED BY: WW
APPROVED BY:
REVISION: 3/26/2008
DATE: 3/7/2008
SHEET NUMBER: 11



Client:
 A Landscape Master Plan for:
**COUNTY LINE ROAD
 MEDIAN LANDSCAPE**
 RIDGELAND, MISSISSIPPI

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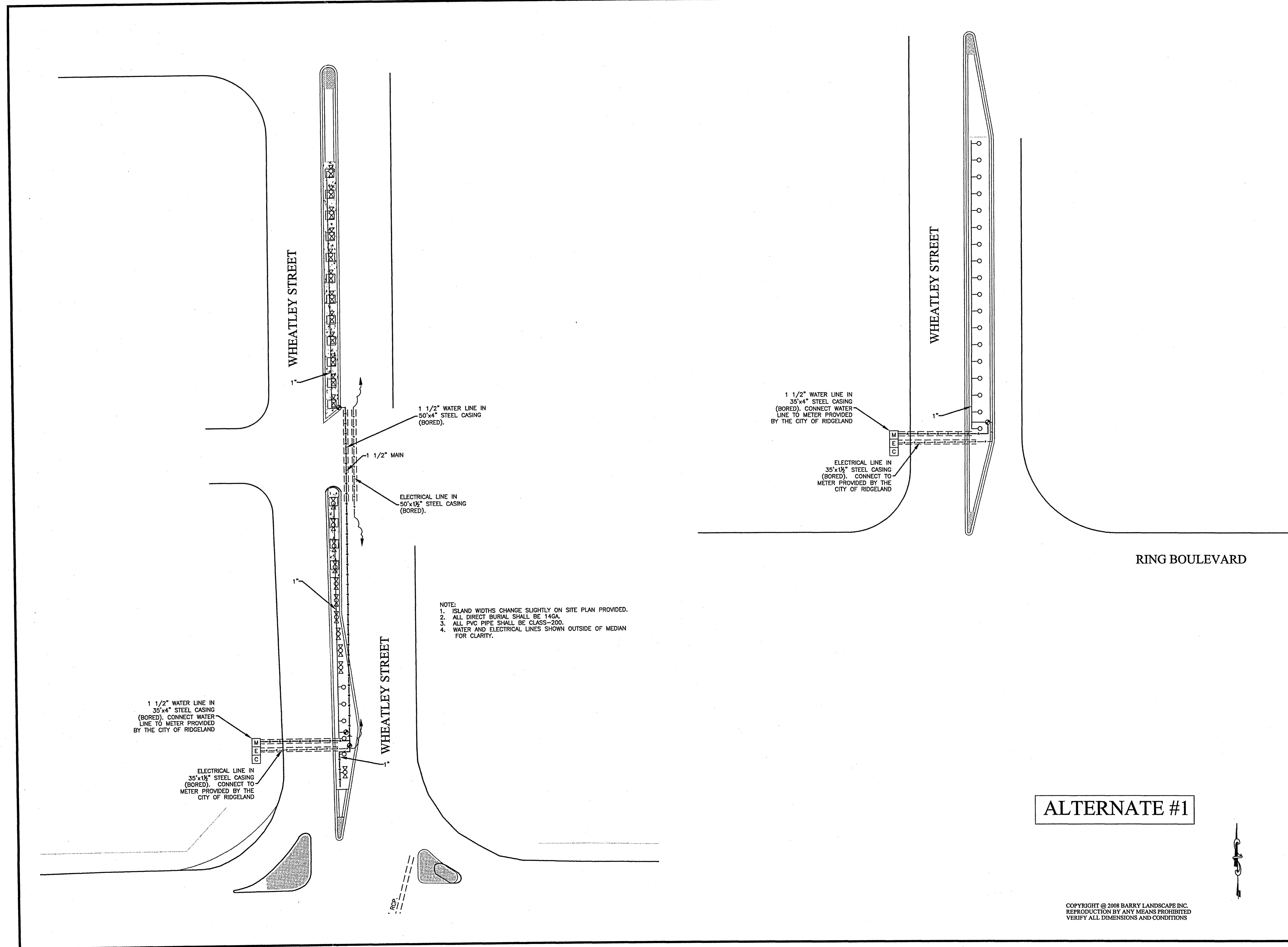
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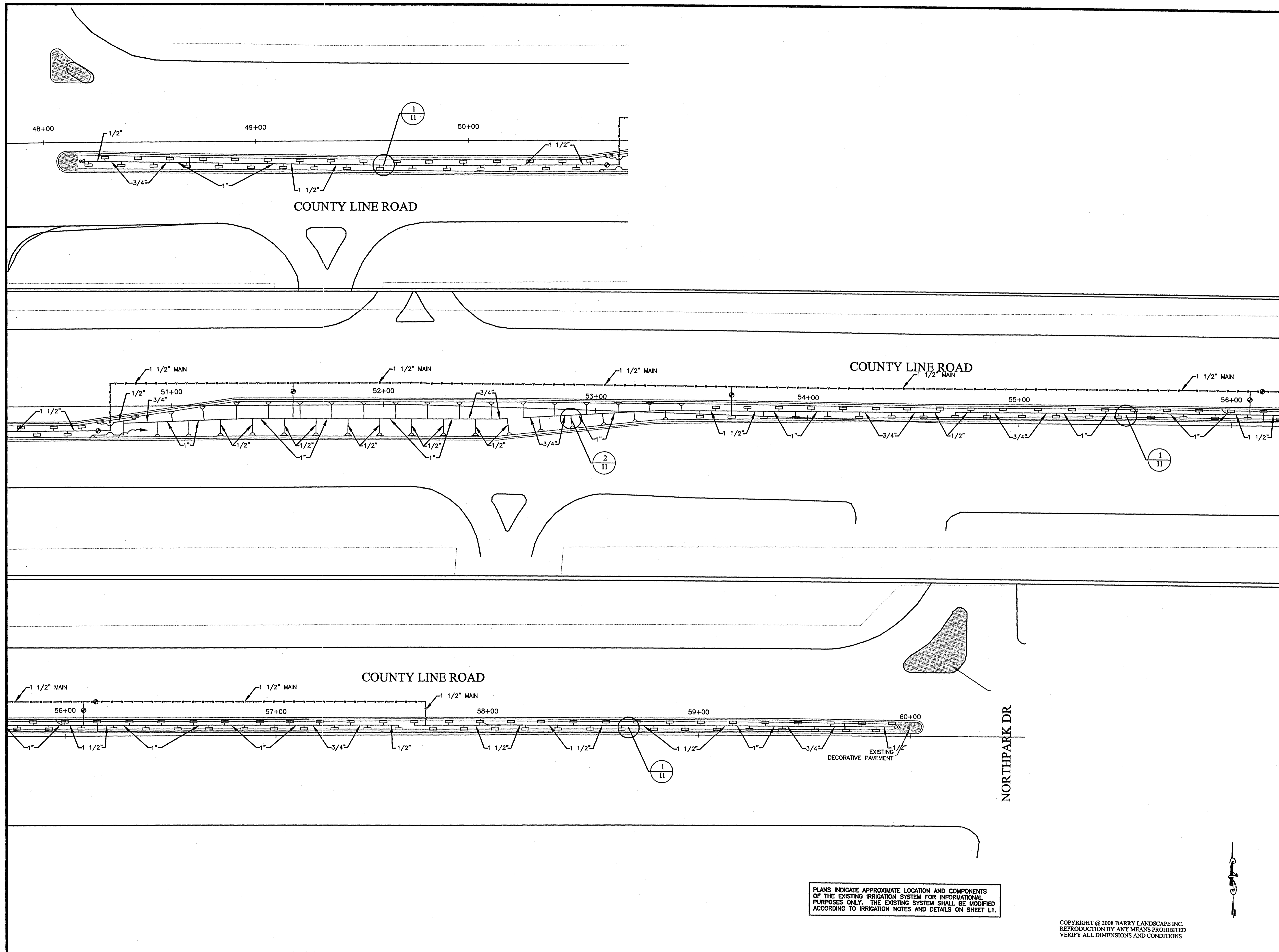
REVISION:
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DATE:
 3/7/2008

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 13

ALTERNATE #1



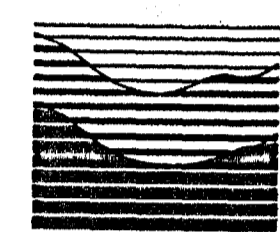


PLANS INDICATE APPROXIMATE LOCATION AND COMPONENTS OF THE EXISTING IRRIGATION SYSTEM FOR INFORMATIONAL PURPOSES ONLY. THE EXISTING SYSTEM SHALL BE MODIFIED ACCORDING TO IRRIGATION NOTES AND DETAILS ON SHEET L1.

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ASLA

Client:
A. Landscape Master Plan for:

**COUNTY LINE ROAD
MEDIAN LANDSCAPE**
RIDGELAND, MISSISSIPPI

SCALE:
1" = 20'-0"

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DRAWN BY:
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CHECKED BY:
WW

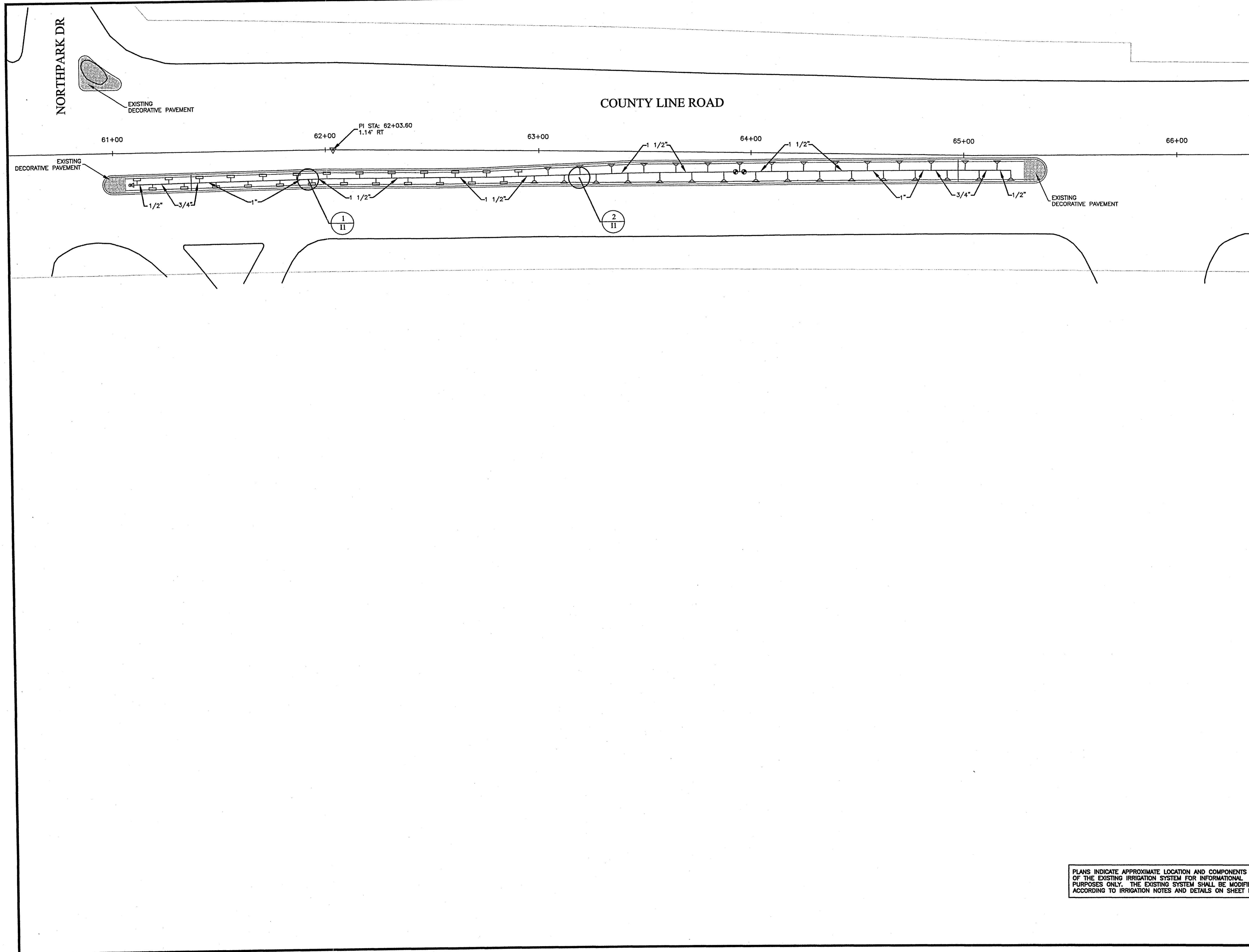
APPROVED BY:

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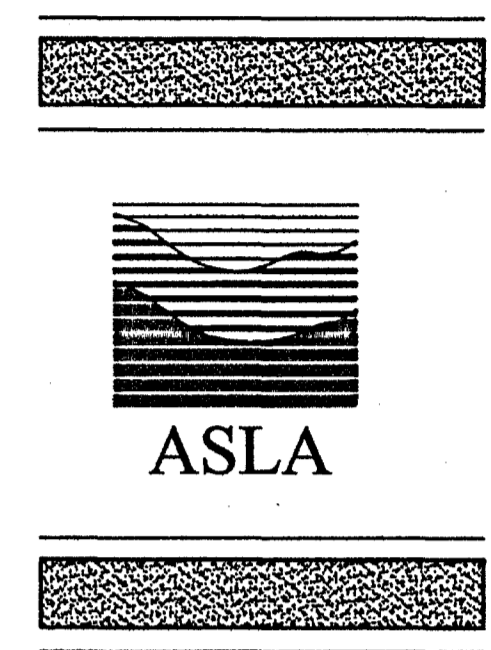
DATE:
3/7/2008

SHEET NUMBER:

14



Prepared By:
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 Inc.
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Client:
 A. Landscape Master Plan for:
**COUNTY LINE ROAD
 MEDIAN LANDSCAPE**
 RIDGELAND, MISSISSIPPI

SCALE:
 1" = 20'-0"

PROJECT NUMBER:
 030708

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CHECKED BY:
 WW

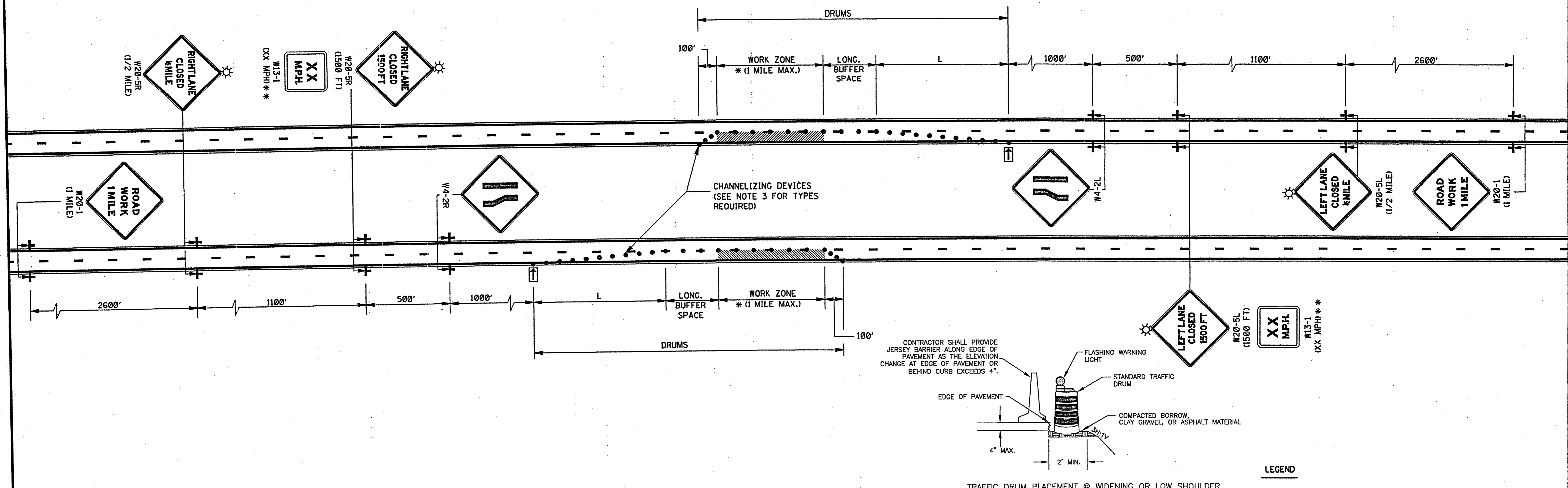
APPROVED BY:

REVISION:
 3/26/2008

DATE:
 3/7/2008

SHEET NUMBER:
 15

PLANS INDICATE APPROXIMATE LOCATION AND COMPONENTS OF THE EXISTING IRRIGATION SYSTEM FOR INFORMATIONAL PURPOSES ONLY. THE EXISTING SYSTEM SHALL BE MODIFIED ACCORDING TO IRRIGATION NOTES AND DETAILS ON SHEET L1.



GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

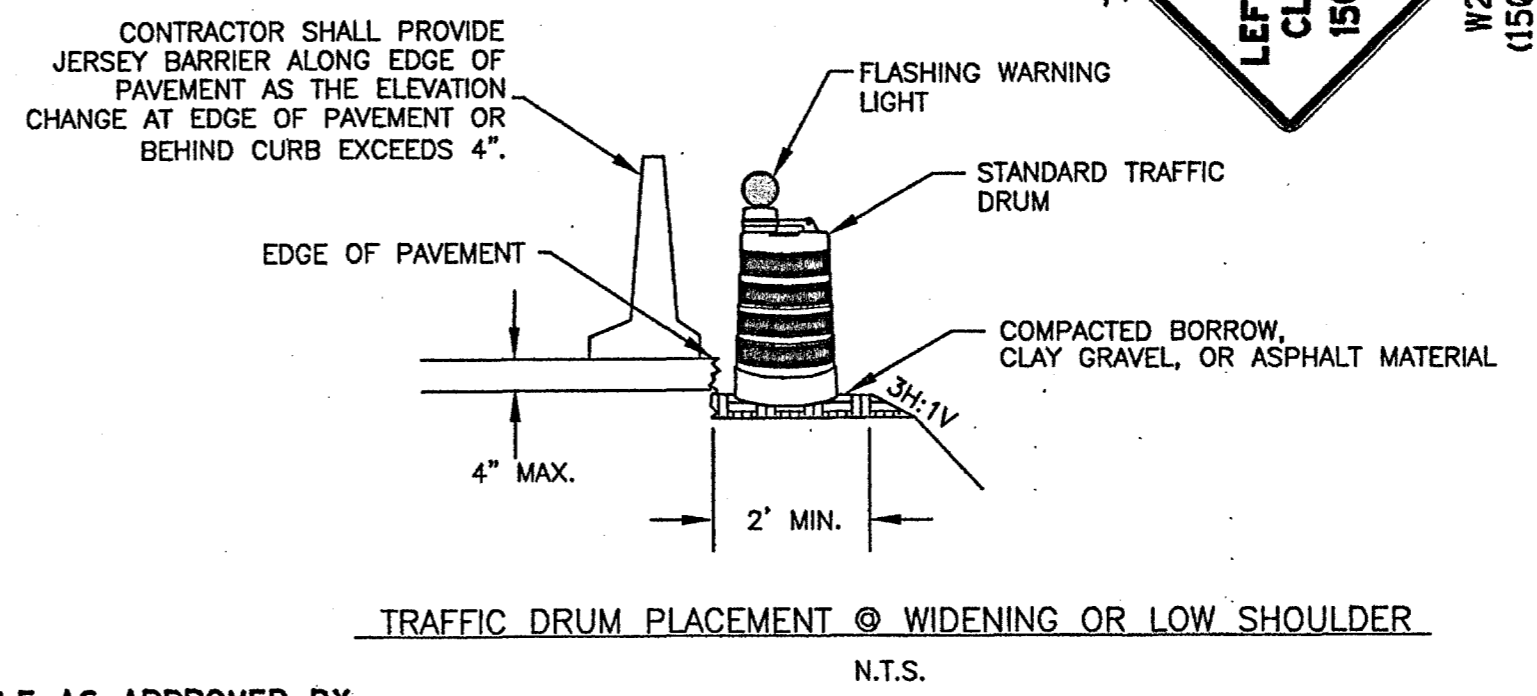
POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft)		MINIMUM LONGITUDINAL BUFFER SPACE (ft)	TAPER † RATES
	TAPER	ALONG LANE LINE & WORK ZONE		
mph				
≤40	40	80	170	27:1
45	45	90	220	45:1
50	50	100	280	50:1
55	55	110	335	55:1
60	60	120	415	60:1
65	65	130	485	65:1
70	70	140	575	70:1

† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
 $L = WS$ FOR SPEEDS OF 45 mph OR GREATER
 $L = WS^2/60$ FOR SPEEDS OF 40 mph OR LESS
 WHERE: L = MINIMUM LENGTH OF TAPER IN FEET
 W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET
 S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

- FLASHING ARROW PANEL SHALL BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANEL SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR, IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
- ALL CHANNELIZING DEVICES SHALL BE REFLECTORIZED FREE STANDING PLASTIC DRUMS.
- FOR MOVING OPERATIONS (PAVING) THE CONTRACTOR SHALL HAVE TWO (2) SETS OF ADVANCE WARNING SIGNS, PLASTIC DRUMS, AND ARROW BOARD. WHEN THE CONSTRUCTION ZONE IS MOVED AHEAD, ALL SIGNS, PLASTIC DRUMS AND ARROW BOARD SHALL BE IN PLACE ON THE SECOND ZONE BEFORE REMOVING ANY SIGNS, PLASTIC DRUMS OR ARROW BOARD ON THE FIRST ZONE.
- ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.
- DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" X 48".

TRAFFIC CONTROL NOTES:

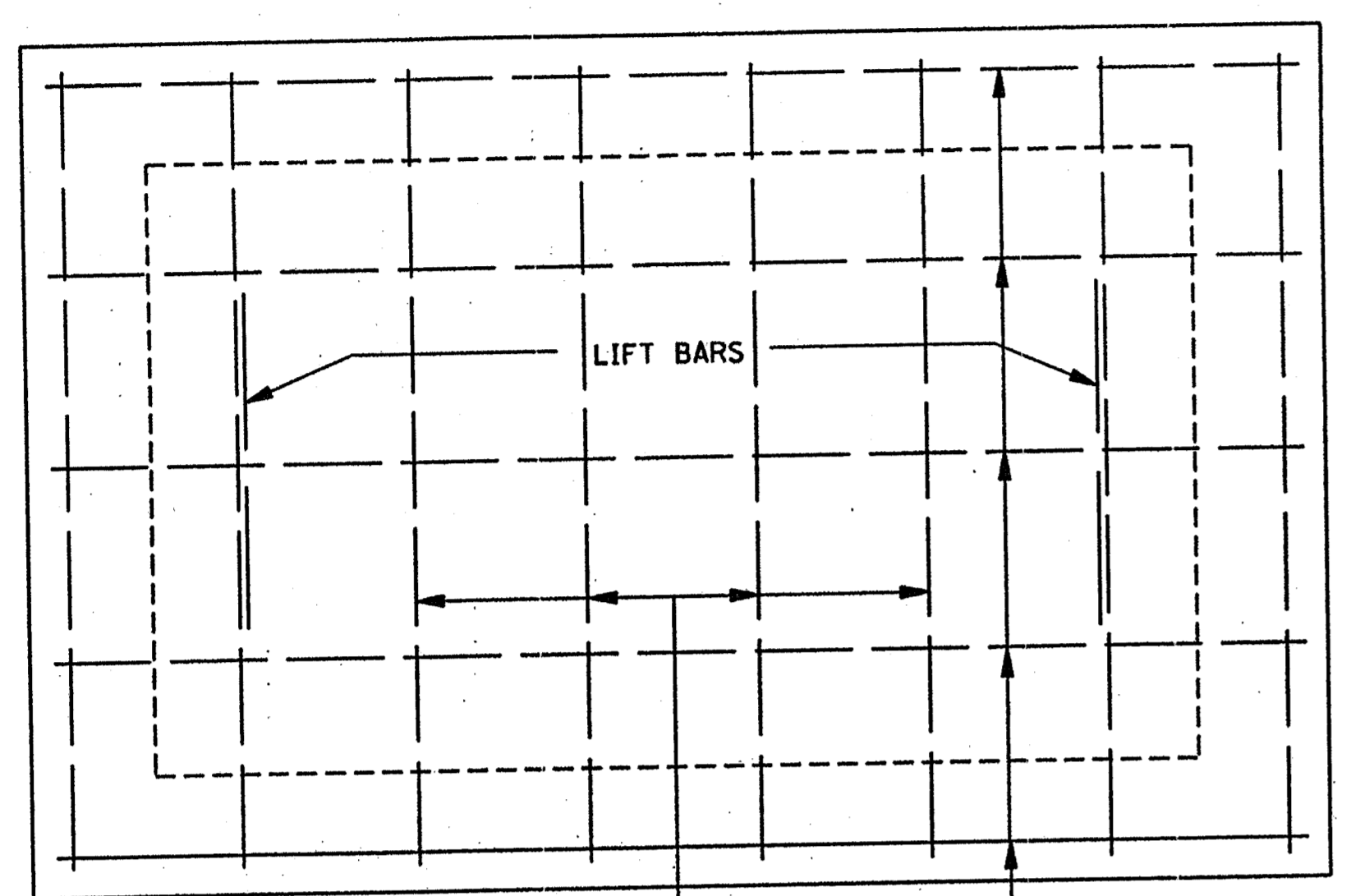
- ALL SIGNS SHALL HAVE HIGH INTENSITY SHEETING, AND CONFORM TO THE LATEST EDITION OF THE MUTCD.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL CONSTRUCTION WORK ZONES ARE IN COMPLIANCE WITH THE LATEST EDITION OF THE MUTCD.
- IN ADDITION TO THE SIGNAGE SHOWN, THE CONTRACTOR SHALL USE ALL NECESSARY DEVICES FOR UTILIZING STANDARD CONSTRUCTION WORK ZONES.
- CONTRACTOR SHALL PROVIDE ACCESS TO ALL ROADWAYS, DRIVEWAYS, AND BUSINESS ENTRANCES THROUGHOUT CONSTRUCTION.
- TEMPORARY STRIPING SHALL BE USED WHERE NECESSARY TO AVOID DRIVER CONFUSION AND PROVIDE SAFETY THROUGHOUT THE WORK ZONES.
- CONTRACTOR SHALL REMOVE ALL CONSTRUCTION STRIPING AND SIGNAGE UPON COMPLETION OF THE PROJECT.
- THE LOCATION OF ALL SIGNS AS SHOWN ON THE TRAFFIC CONTROL PLAN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWO LANES OF TRAFFIC IN EACH DIRECTION BETWEEN THE HOURS OF 7:00 A.M. - 9:00 A.M. AND 4:00 P.M. - 6:00 P.M. MONDAY THROUGH FRIDAY. ALL LANE CLOSURES SHALL BE TERMINATED AT THE END OF THE WORK DAY. NO LANE CLOSURES SHALL BE UTILIZED AT NIGHT.



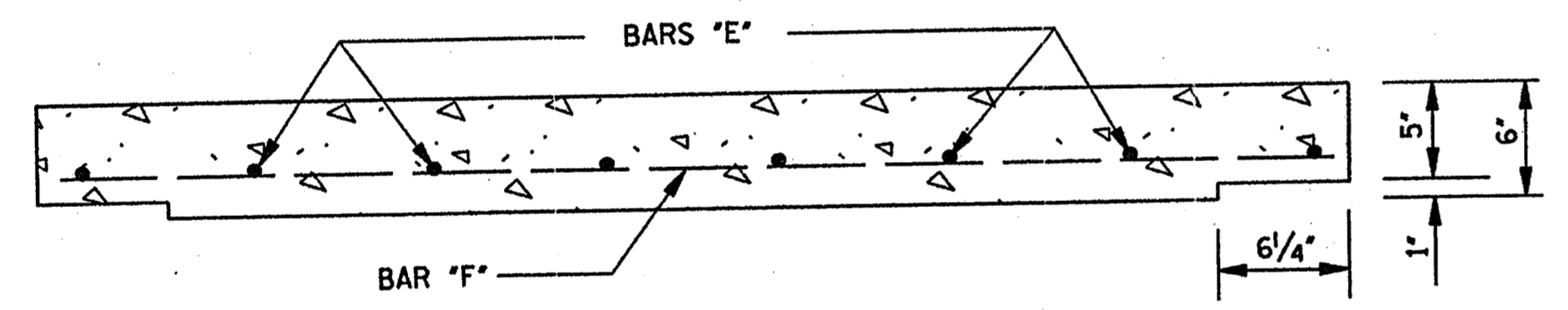
LEGEND

- * OR AS SHOWN ELSEWHERE OF THE PLANS.
- ** THE LEGEND ON W13-1 (XX MPH) SUPPLEMENTAL PLATE SHALL BE 10 MPH LESS THAN THE POSTED SPEED LIMIT.
- ◻ FLASHING ARROW PANEL (TYPE "C")
- REFLECTORIZED FREE-STANDING PLASTIC DRUMS
- ⊙ TYPE "B" WARNING LIGHTS

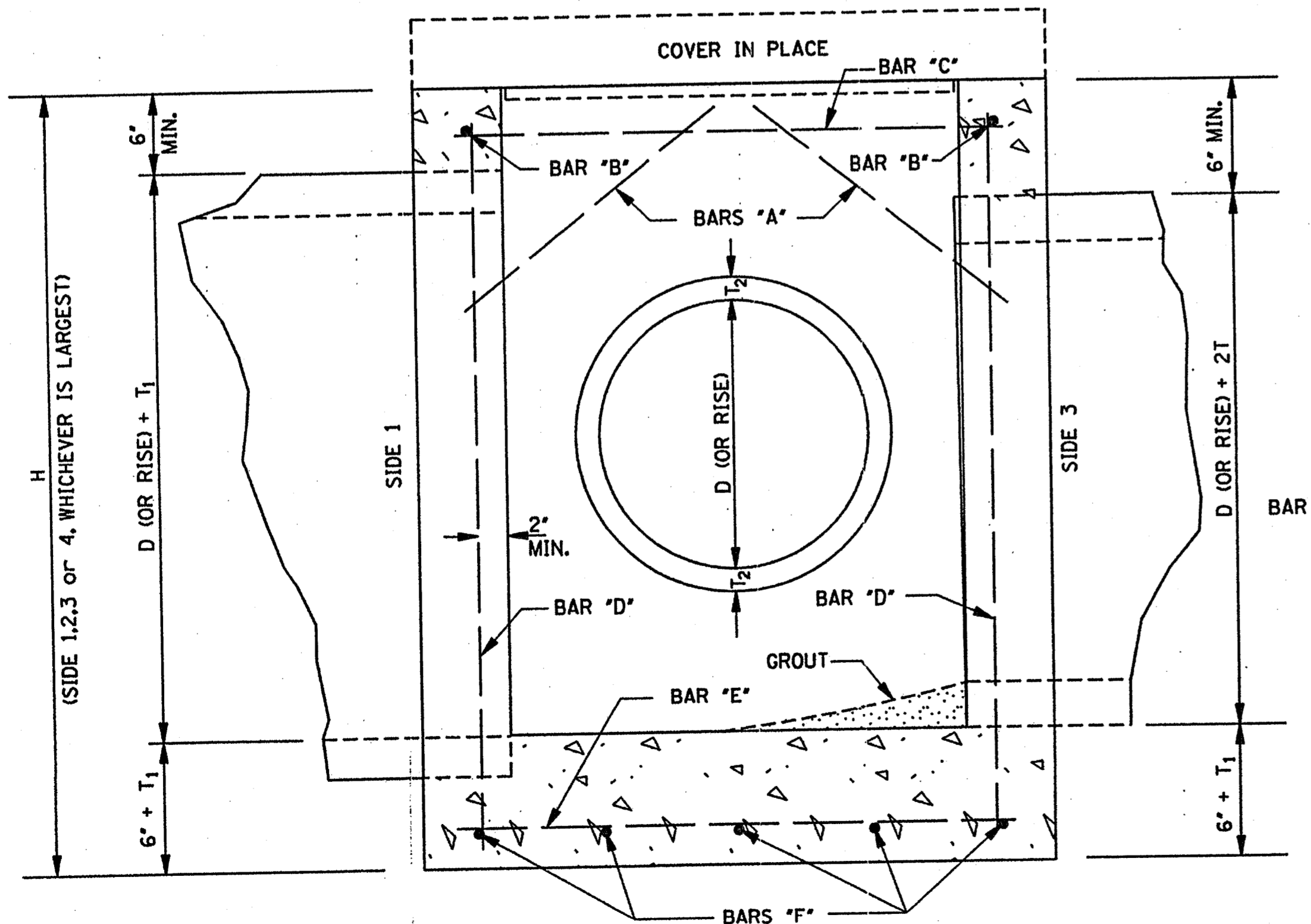
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN OR OUTSIDE LANE CLOSURE) (EXTENDED PERIOD)	
WORKING NUMBER TCP-3	SHEET NUMBER 252
ISSUE DATE: OCTOBER 1, 1998	



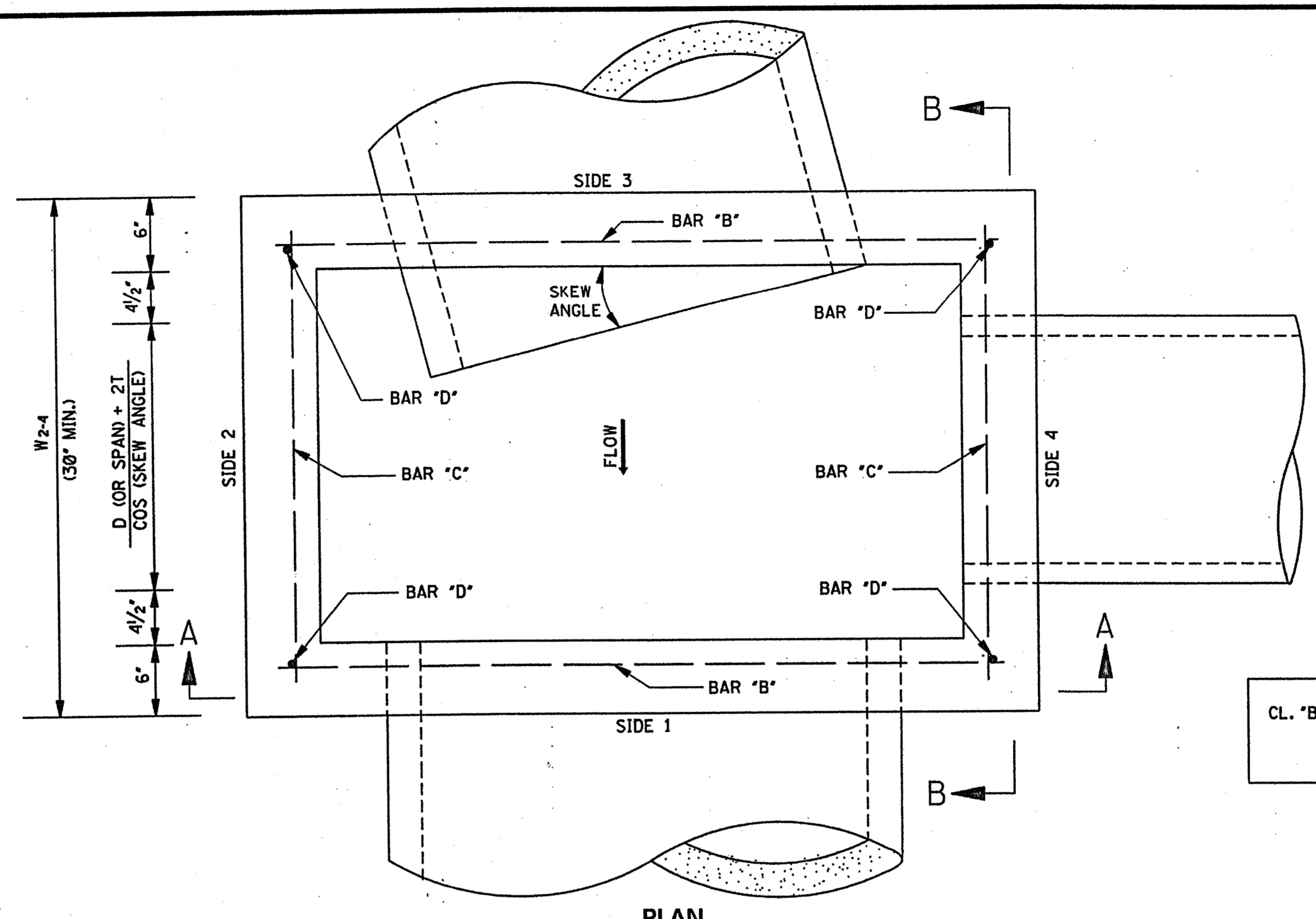
PLAN OF COVER



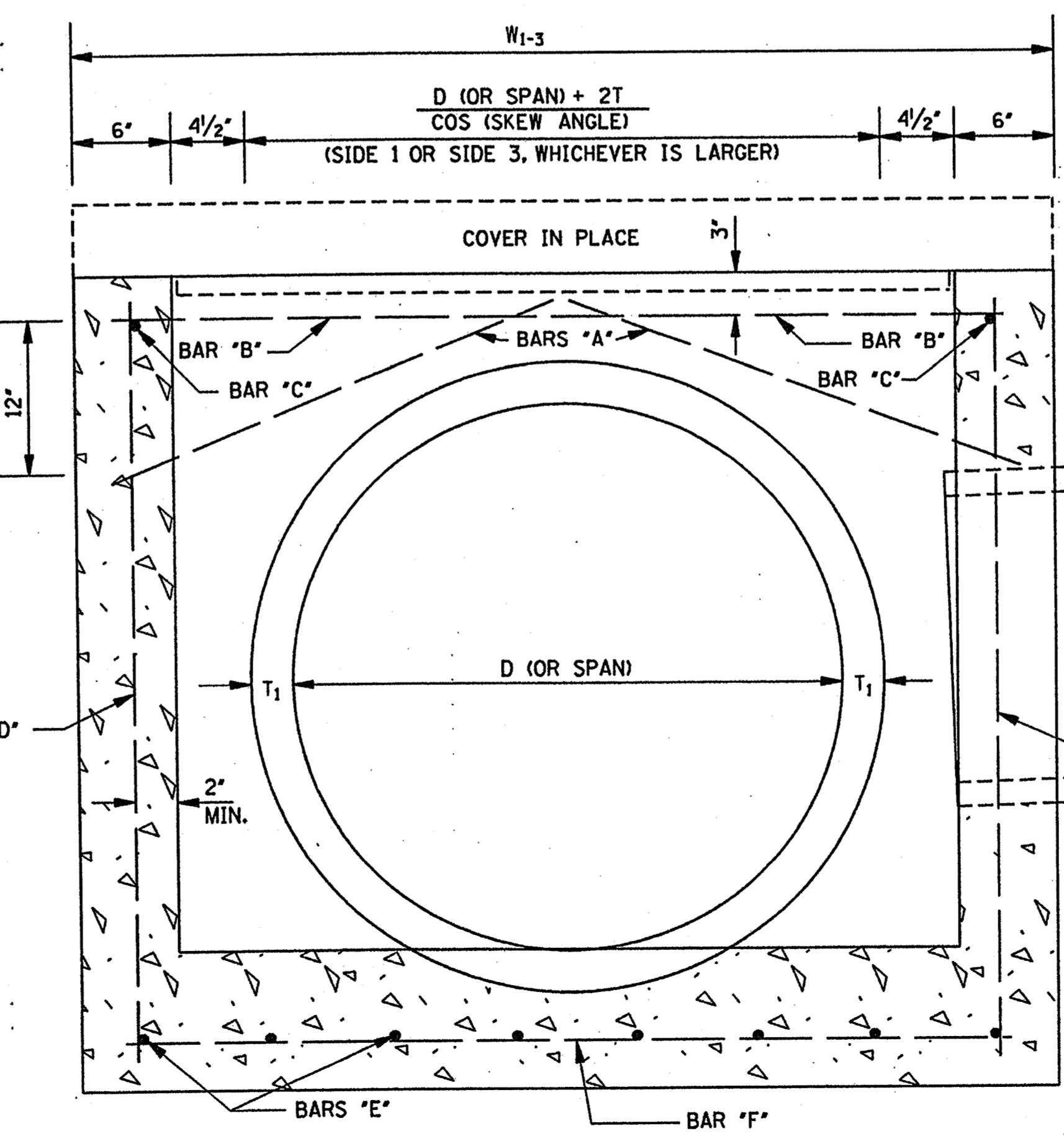
ELEVATION OF COVER



SECTION B-B



PLAN



SECTION A-A

REINFORCING BAR LIST			
BAR	SIZE	NUMBER REQUIRED	LENGTH
A	#4	2 PER PIPE OPENING	$\sqrt{196 + \left(\frac{W^*}{2} + 2\right)^2}$
B	#4	2	$W_{1-3} - 6'$
C	#4	2	$W_{2-4} - 6'$
D	#4	4	$H - 6'$
E	#4	$2 \left[\left(\frac{W_{1-3}}{9'} \right) ** + 1 \right]$	$W_{2-4} - 4'$
F	#4	$2 \left[\left(\frac{W_{2-4}}{9'} \right) ** + 1 \right]$	$W_{1-3} - 4'$

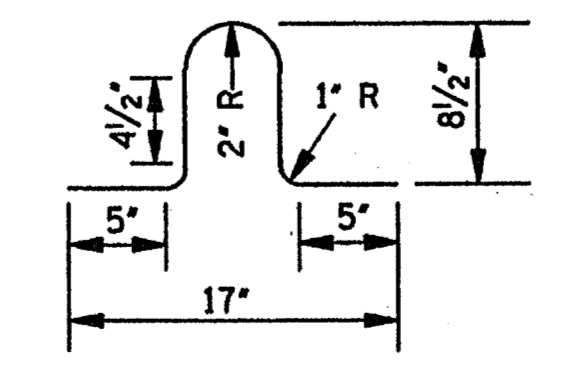
NOTE: VARIABLES AND DESIGNATIONS ARE AS FOLLOWS:
 D (OR SPAN) = PIPE DIAMETER (OR SPAN)
 W₁₋₃ = WIDTH OF SIDE 1 & SIDE 3
 W₂₋₄ = WIDTH OF SIDE 2 & SIDE 4
 W* = W₁₋₃ OR W₂₋₄ (SIDE OF ENTERING PIPE)
 ** = ROUND TO NEAREST WHOLE NUMBER

CL. *B* CONC. (yd³) = [(Q1 + Q2) / 46,656] - Σ PIPE OPENING DEDUCTIONS
 WHERE: Q1 = [5*W₁₋₃W₂₋₄] + [1*W₁₋₃ 12.5*W₂₋₄ - 12.5*] + [(T₁ + 6')*W₁₋₃W₂₋₄]
 Q2 = 12*[H - (T₁ + 6')] [(W₁₋₃ - 12') + W₂₋₄]

CIRCULAR PIPE			ARCH PIPE		
PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)	PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)
18"	2 1/2"	0.053	22" x 13"	2 1/2"	0.053
24"	3"	0.091	29" x 18"	3"	0.087
30"	3 1/2"	0.138	36" x 23"	3 1/2"	0.129
36"	4"	0.196	44" x 27"	4"	0.185
42"	4 1/2"	0.263	51" x 31"	4 1/2"	0.245
48"	5"	0.340	58" x 36"	5"	0.318
54"	5 1/2"	0.427	65" x 40"	5 1/2"	0.394
60"	6"	0.524	73" x 45"	6"	0.489
66"	6 1/2"	0.630			
72"	7"	0.747			


GENERAL NOTES:

1. REINFORCING STEEL QUANTITIES TO BE COMPUTED FROM BAR LIST AND SHOWN ELSEWHERE ON THE PLANS.
2. QUANTITIES FOR JUNCTION BOXES SHOWN ON THE PLANS WILL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
3. CONCRETE SHALL BE CLASS 'B' AND REINFORCING STEEL SHALL BE DEFORMED BARS.
4. SIDE 1 OF THE JUNCTION BOX WILL ALWAYS BE THE OUTFLOW SIDE.
5. IF PIPES ARE SKEWED MORE THAN 15° OR IF SKEWED PIPES PRODUCE CONFLICTS WITH ANOTHER OPENING, THE PIPE SHALL BE BROKEN BACK TO THE WALL OF THE JUNCTION BOX.



LIFT BAR

NOTE: LIFT BAR TO BE FABRICATED FROM A #4 BAR 30" LONG. TWO LIFT BARS ARE REQUIRED. REINFORCING STEEL FOR 2 LIFT BARS = 3.3 lbs.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN		
JUNCTION BOX FOR PIPE CULVERTS		
BY	DATE	WORKING NUMBER JB-1
REVISION	ISSUE DATE: OCTOBER 1, 1998	SHEET NUMBER 302