

*HIGHLAND COLONY PARKWAY
ASPHALT SURFACE COURSE AND PAVEMENT MARKING
MADISON COUNTY, MISSISSIPPI*

CITY OF RIDGELAND, MISSISSIPPI

Mayor: Gene F. McGee

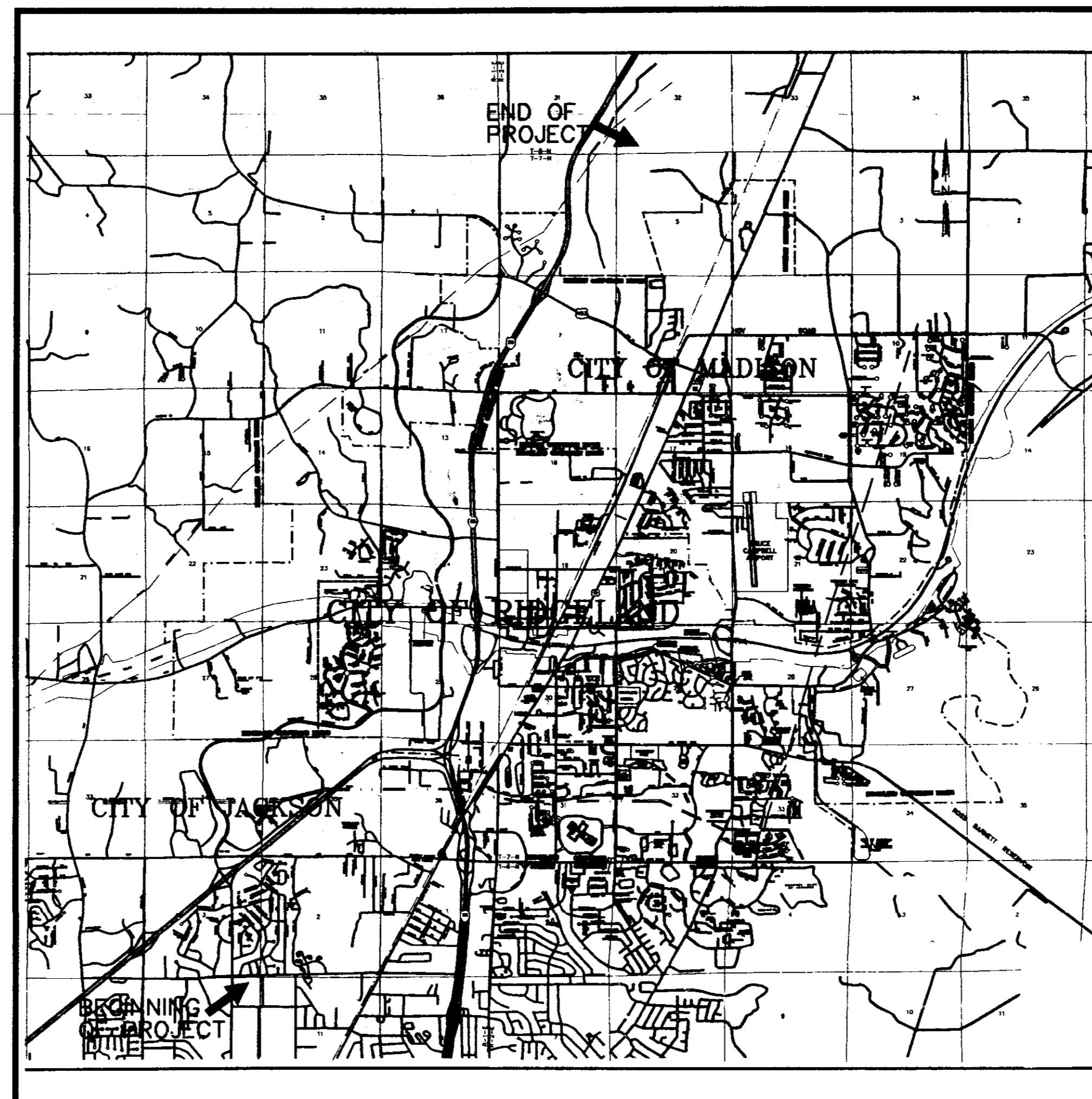
*Aldermen: Ann Assaf
Lisa Walters
Carole Davis
Larry Roberts
Scott Jones
Linda Trunzler*

Alderman at Large: Gerald Steen

City Attorney: Jerry Mills

City Clerk: Michael McPhearson

Public Works Director: Sam C. Vinson, P.E.



MADISON COUNTY BOARD OF SUPERVISORS

*President:
J. L. McCullough*

*District #1
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*District #2
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*District #3
David Richardson*

*District #4
Karl Banks*

*District #5
J. L. McCullough*

*County Attorney:
Dewey Hembree*

VICINITY MAP

July - 1997



PWP 0838

*WAGGONER ENGINEERING, INC.
Jackson / Pascagoula / Gulfport*

GENERAL CONSTRUCTION NOTES

1. The existing utility locations shown on the Drawings are approximate only. The Contractor shall coordinate the location (horizontal and vertical) of existing utilities (power, telephone, gas, water, sewer, etc.) with the appropriate utility company before construction begins.
2. Utility lines or service lines encountered during construction, whether shown on the Drawings or not, shall be protected by the Contractor and repairs necessary due to damage to same by the Contractor shall be at no additional cost to the Owner.
3. The Contractor shall be responsible for verifying horizontal and vertical clearance requirements for utility service crossings before installation.
4. The Contractor shall fertilize and seed all areas where the existing vegetation was removed or disturbed during construction and not required to be solid sodded, paved, graveled or landscaped.
5. Unsuitable bedding, backfill or site subgrade material which may be encountered shall be excavated to the limits required and backfilled with acceptable material to the lines and grades shown on the Drawings.
6. The Contractor shall be responsible for completing all sampling and testing of materials incorporated into the project and for submission of same to Engineer for review. Prior use test results, manufacturer's certificates, or proposed mix designs shall be submitted to the Engineer for review before incorporation into project. This shall include backfill, concrete, asphalt, steel, paint, piping, aggregates, seed and other items as specified by the Engineer. All testing shall be an absorbed cost item.
7. Storm sewer reach lengths may be varied during construction of project to conform to normal pipe joints lengths.
8. Existing sanitary manhole tops, water valves, valves boxes, meters or other related appurtenances shall, when required, be adjusted to finished grade by Contractor as an absorbed cost of the work. Castings shall be salvaged for the Owner by the Contractor.
9. Testing certifications shall state that the subject material meets the specified quality, grade, purity, class or weight, or that the subject material meets or exceeds the requirement of the applicable ASTM, AASHTO, MDOT or other standards. Certifications shall be submitted to the Engineer prior to incorporation of the subject material into the project.
10. Traffic striping required under this Contract shall be constructed and installed in accordance with the Project Drawings and the MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, MDOT, 1990 EDITION as if said standards were written out herein in full. Measurement and Payment for striping shall be as specified on the Bid Form.
11. Traffic Control Plan, which the contractor shall provide, shall be implemented and conform with the requirements of the latest edition of the MUTCD.
12. The contractor shall be responsible for chemically killing the grass and weeds growing in the asphalt and their removal prior to installation of surface course. Also cleaning, sweeping and applying tack coat as per sections 401 and 410 of MDOT specifications prior to installation of surface course.
13. The contractor shall be responsible for cleaning the curb gutters of all loose asphalt and for the removal of all asphalt not installed into the road from the project Right Of Way.
14. Asphalt surface course(s) shall not be placed sooner than 14 calendar days after the asphalt repairs and leveling have been installed.

SHEET INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION.</u>
1	COVER SHEET
2	SHEET INDEX & GENERAL NOTES
3	STANDARD DETAILS
4-18	PLAN SHEETS

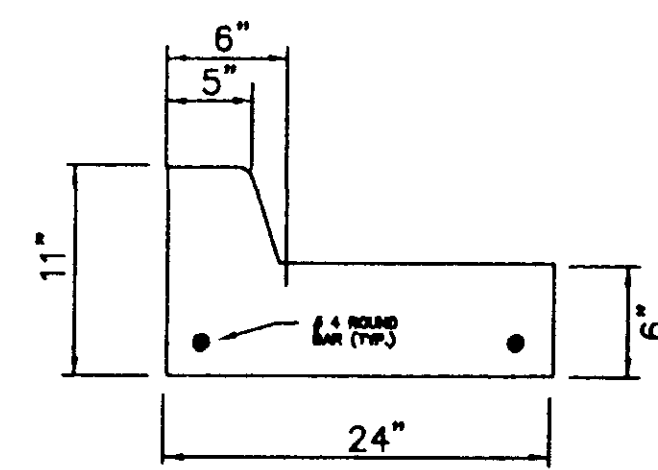
MADISON COUNTY, MISSISSIPPI

HIGHLAND COLONY PARKWAY
ASPHALT SURFACE COURSE AND
PAVEMENT MARKING

SHEET INDEX, GENERAL NOTES AND DETAILS

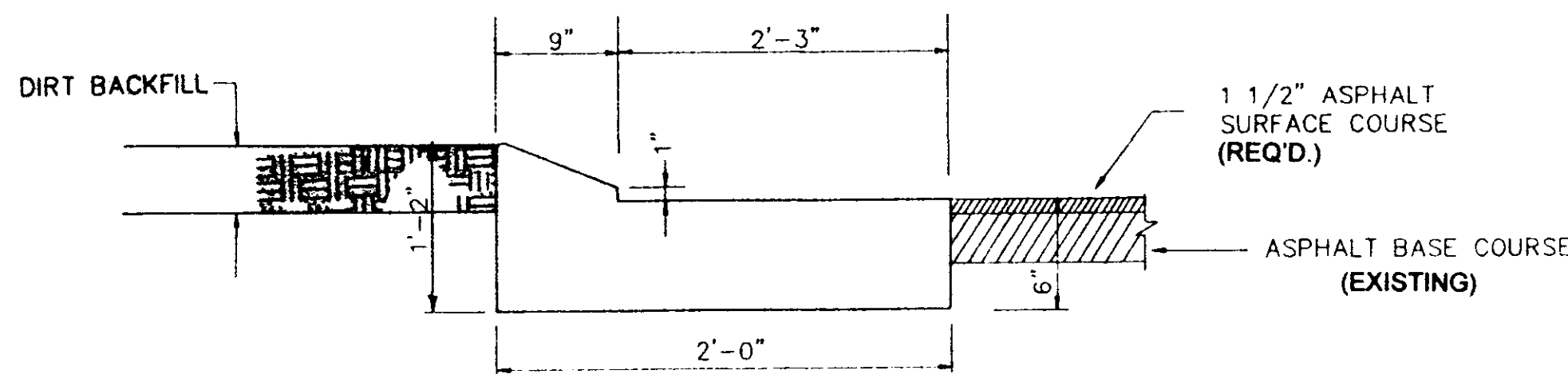
WAGGONER ENGINEERING, INC.
Consulting Engineers - Pascagoula/Jackson, Mississippi

DRAWN BY:	DATE: 7-28-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	2 OF 18

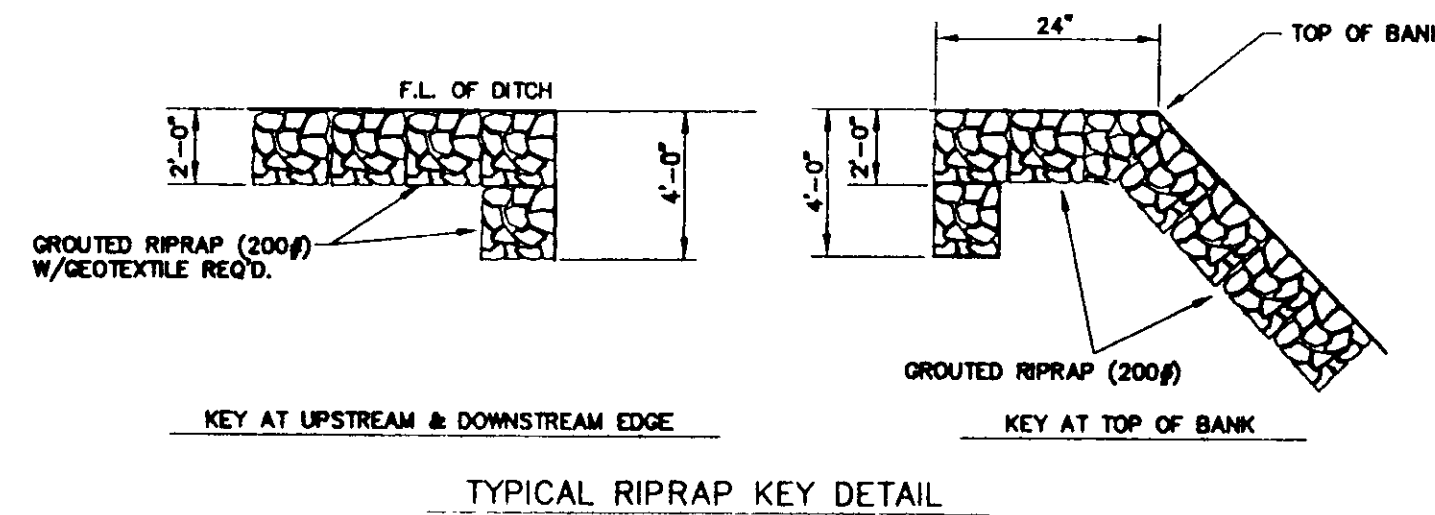


STANDARD CURB & GUTTER DETAIL

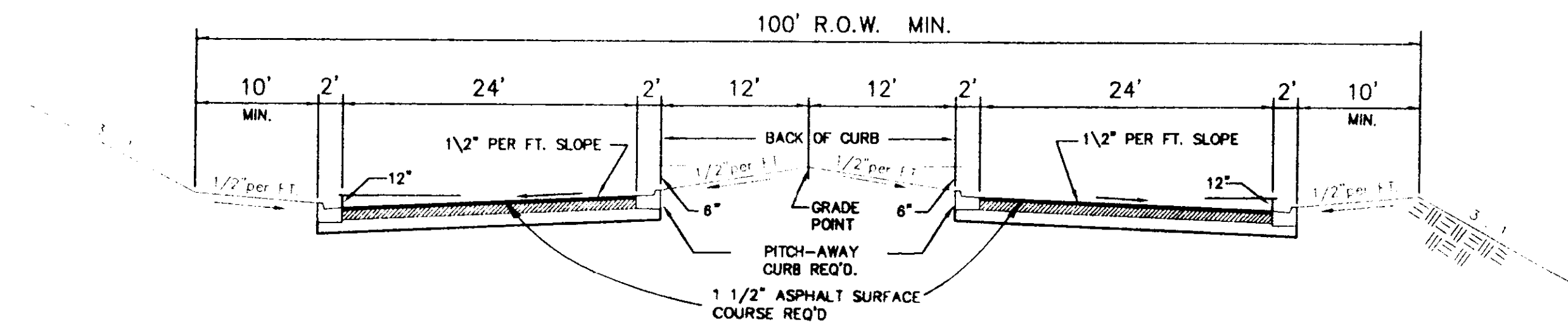
- NOTE:
1. IF CURB POURED BY MACHINE, 3,000 PSI CONCRETE WILL BE REQUIRED.
 2. EROSION CONTROL LIMITS WILL BE AS INDICATED IN THE TECHNICAL SPECIFICATIONS.
 3. TWO # 6 SLIP DOWELS 24" LONG AT EXPANSION JOINTS. CURB TO BE POURED IN 30' SECTIONS. DUMMY JOINTS @ 10' CENTERS. CONCRETE SHALL BE 2500 PSI.



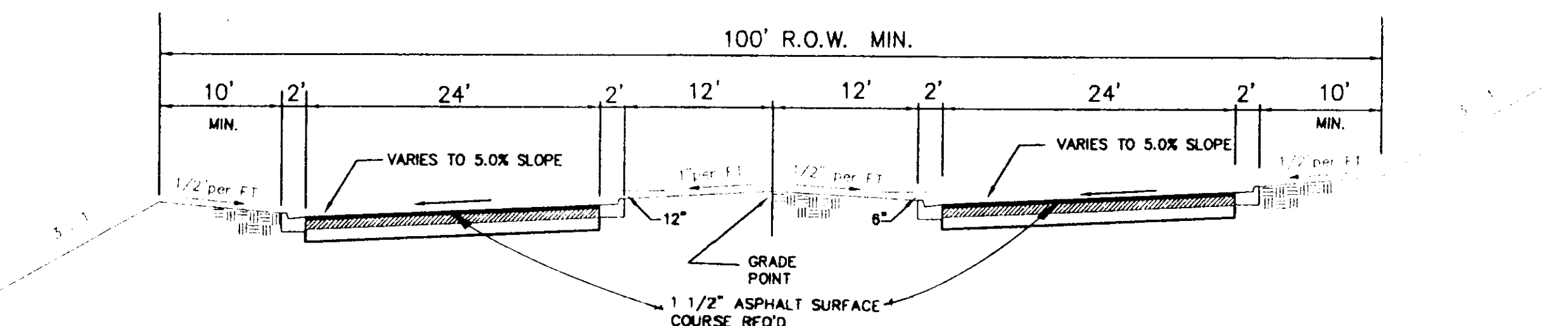
ISLAND CURB DETAIL



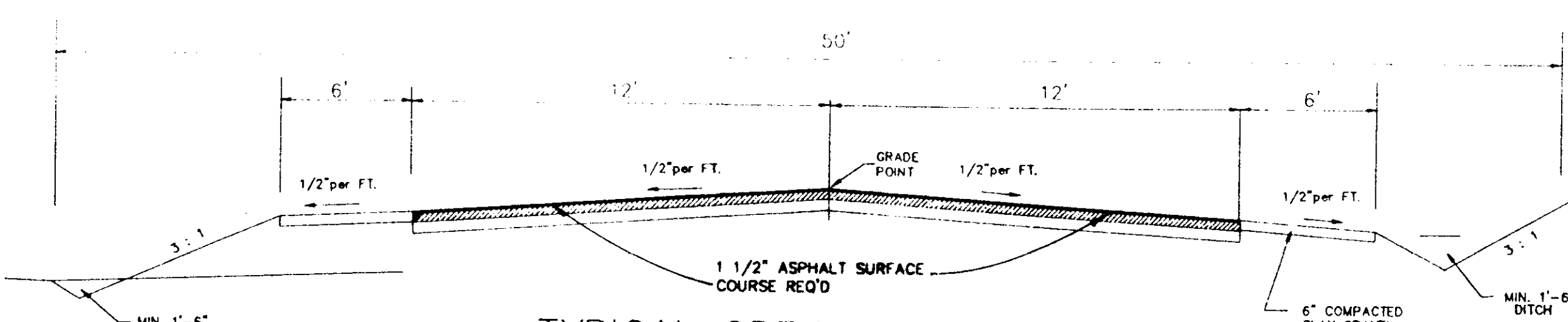
TYPICAL RIPRAP KEY DETAIL



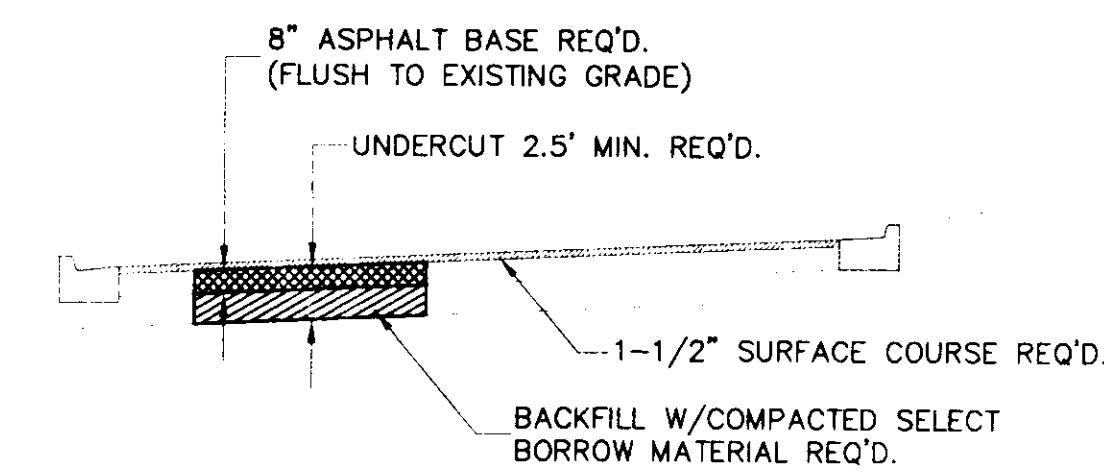
"A" TYPICAL CURB & GUTTER SECTION
N.T.S.



"C" CURB & GUTTER SUPERELEVATION SECTION
N.T.S.

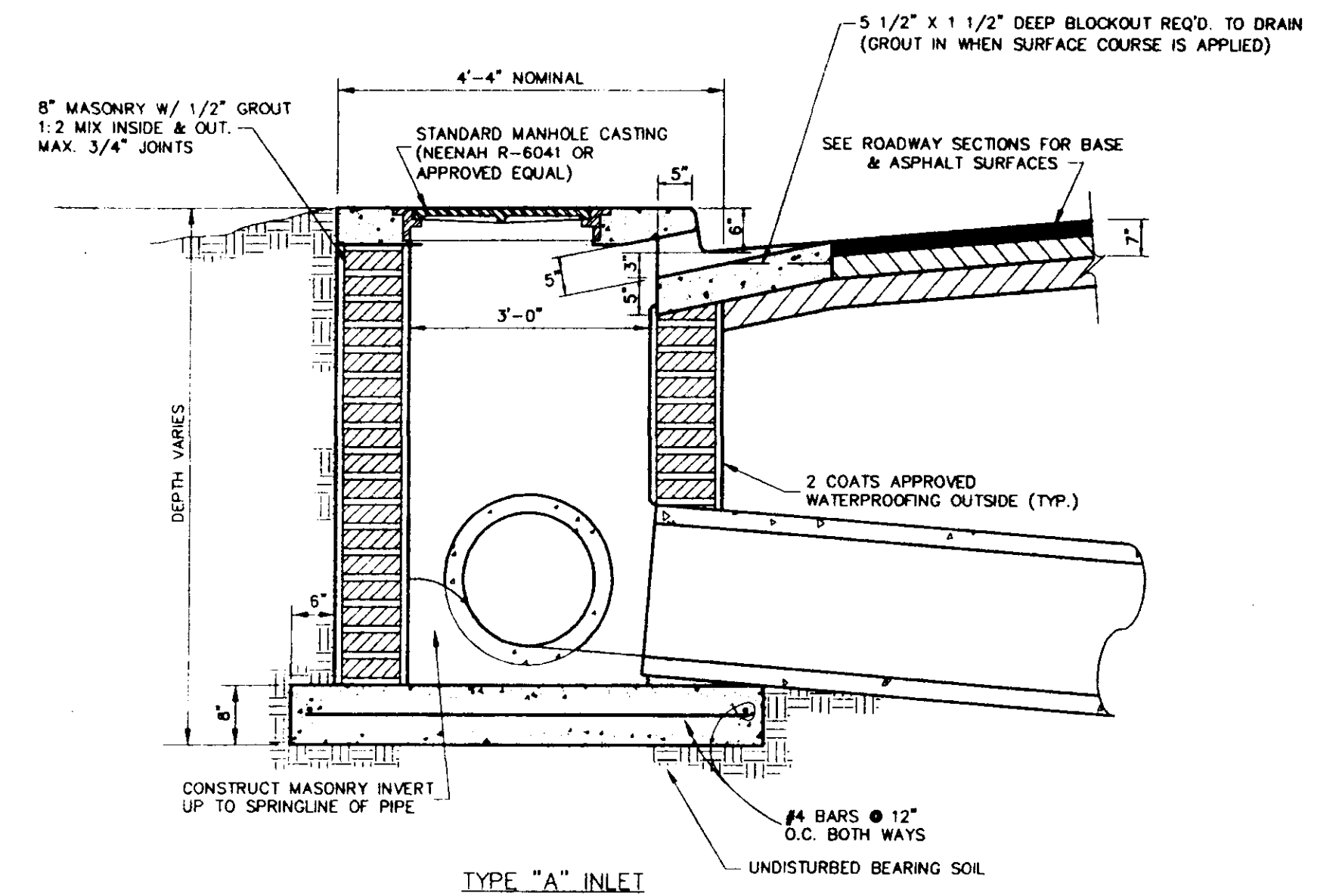


TYPICAL OPEN DITCH SECTION
(COLE ROAD)
N.T.S.

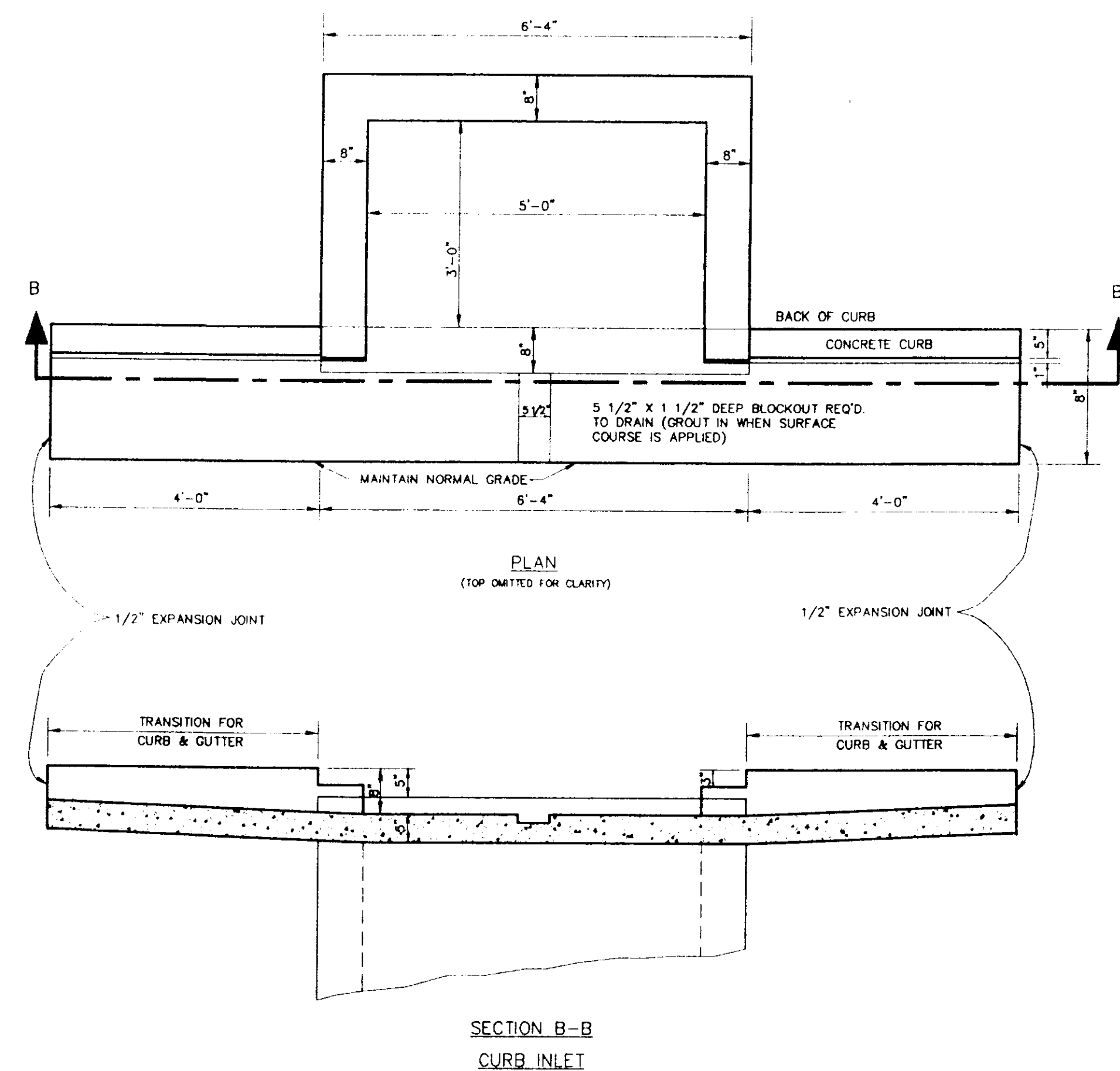


NOTE: ASPHALT BASE & COMPACTED SELECT BORROW MATERIAL WILL BE INCLUDED IN SQUARE YARD OF ASPHALT REPAIR.

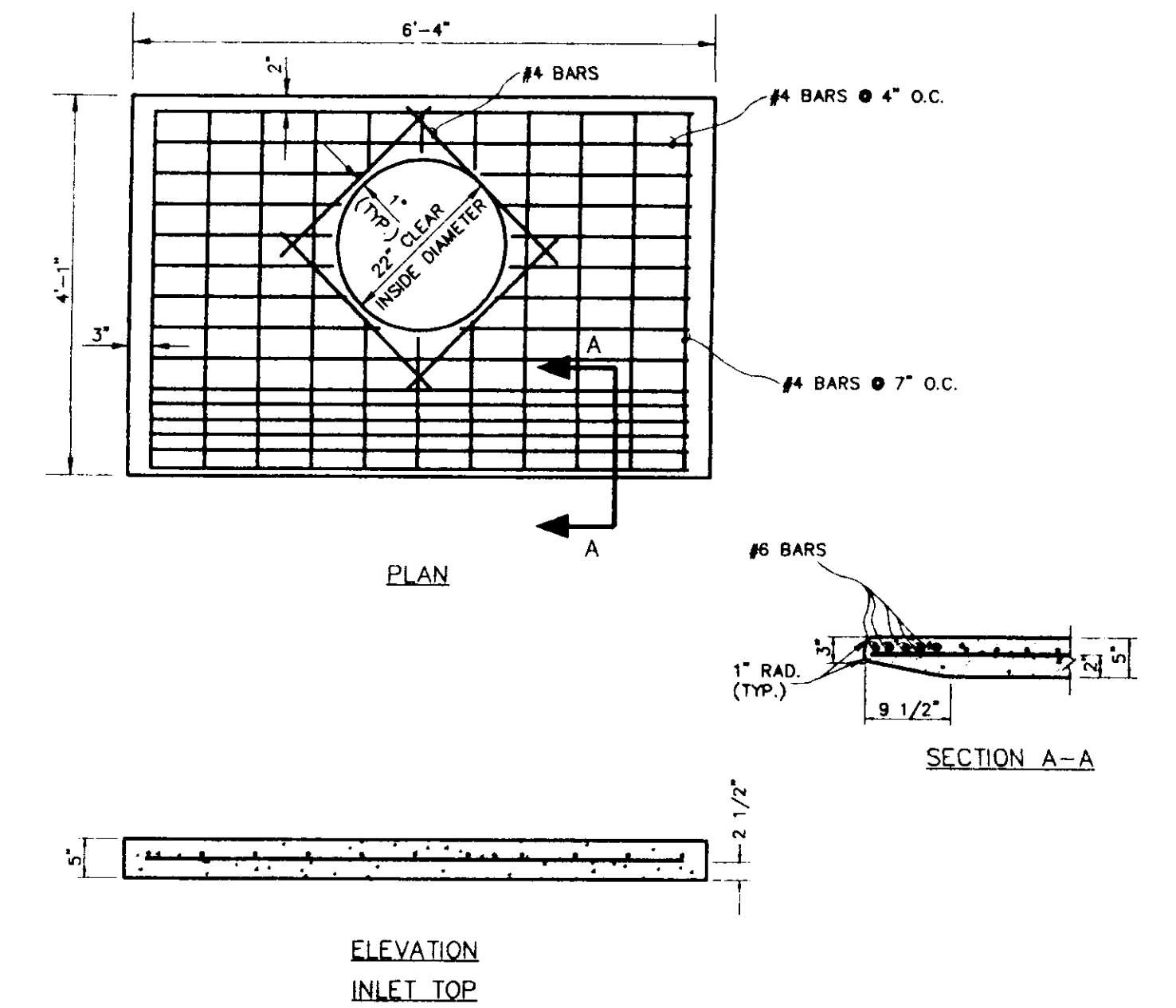
TYPICAL ASPHALT REPAIR
N.T.S.



TYPE "A" INLET

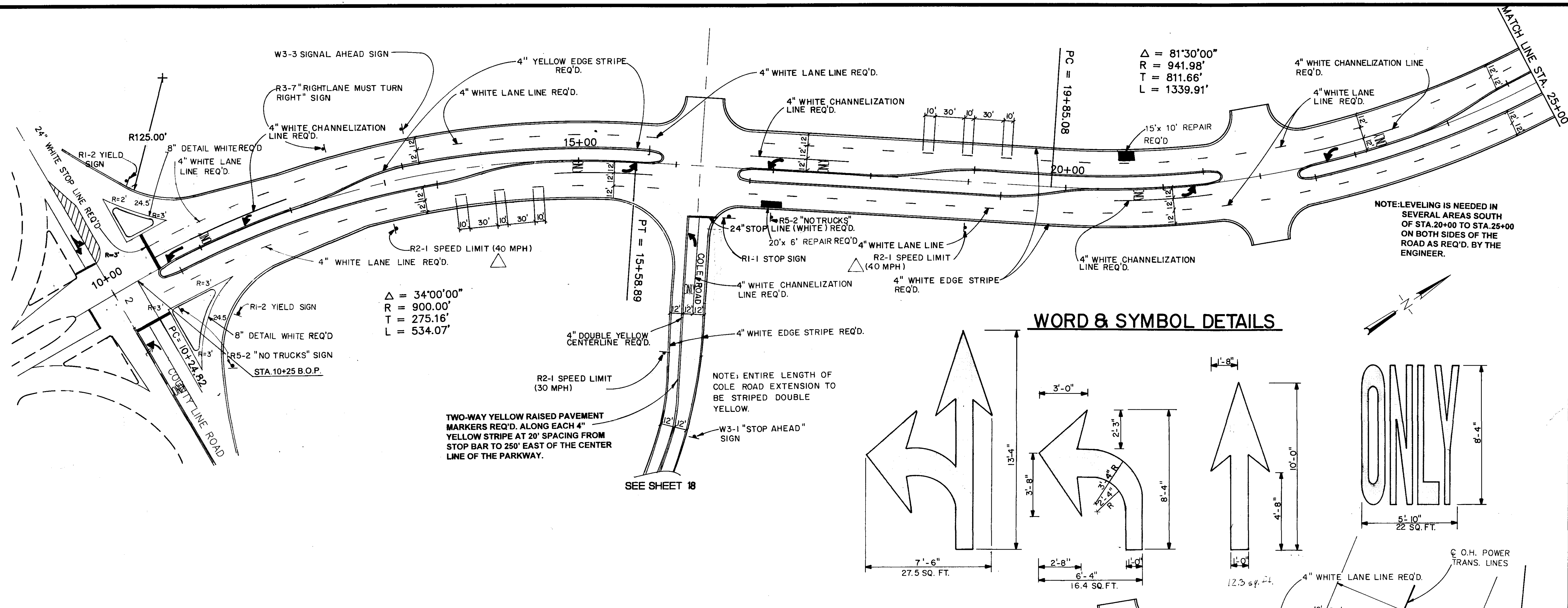


SECTION B-B
CURB INLET

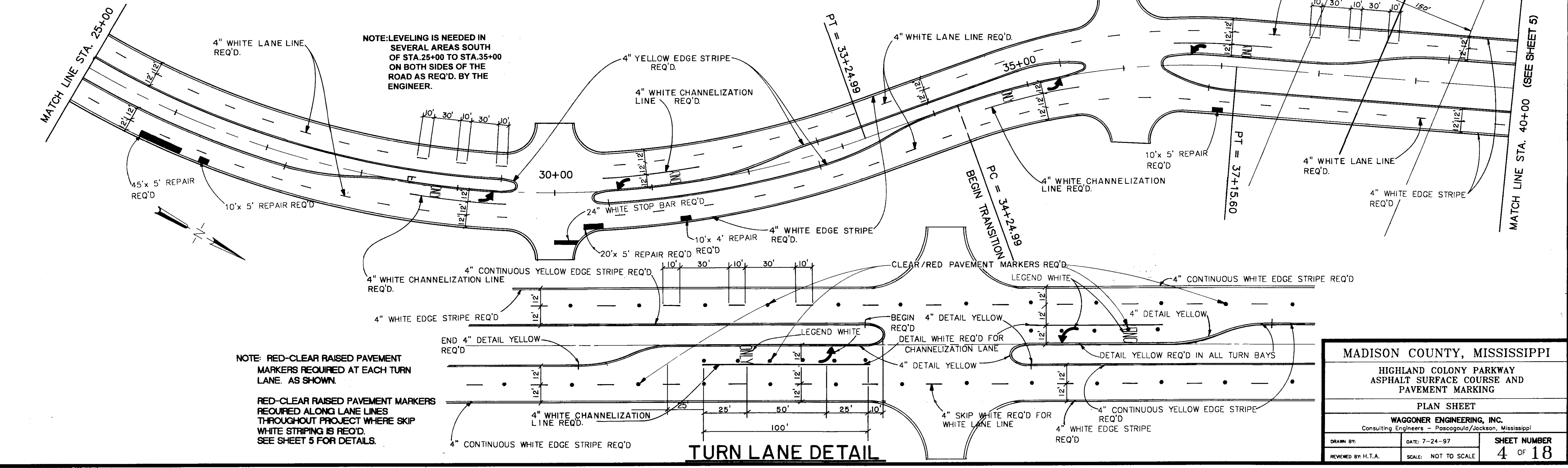
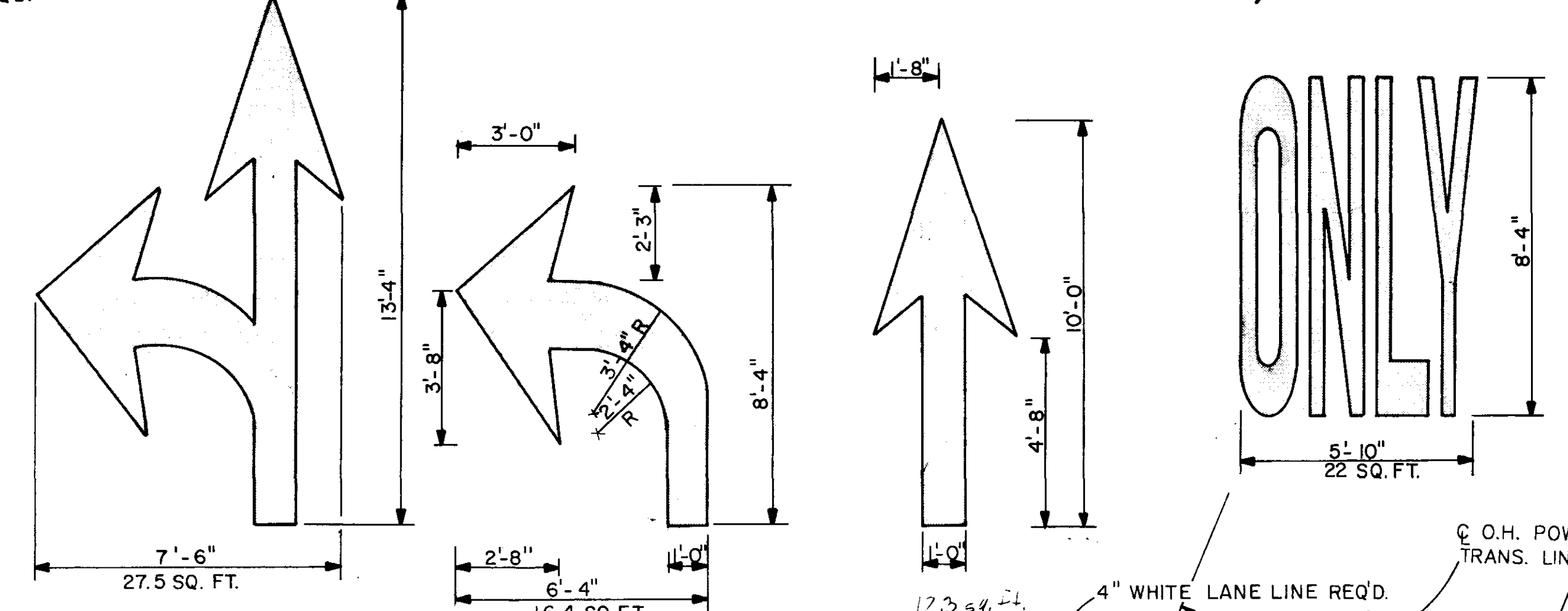


ELEVATION
INLET TOP

MADISON COUNTY, MISSISSIPPI	
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING	
DETAILS	
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi	
DRAWN BY:	DATE: 7-24-97
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE
SHEET NUMBER 3 OF 18	



WORD & SYMBOL DETAILS



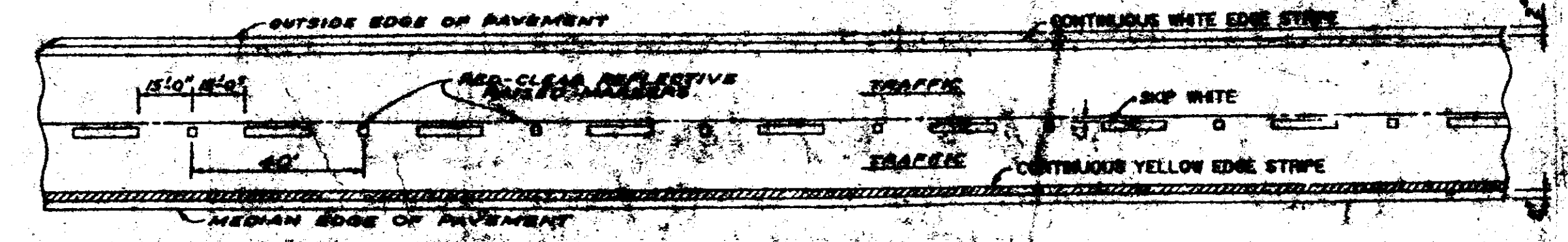
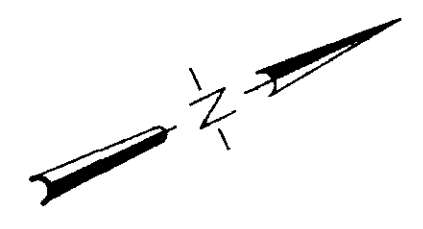
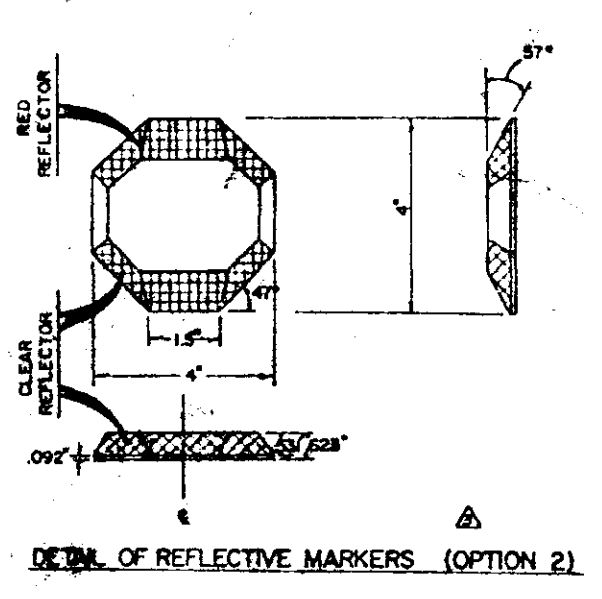
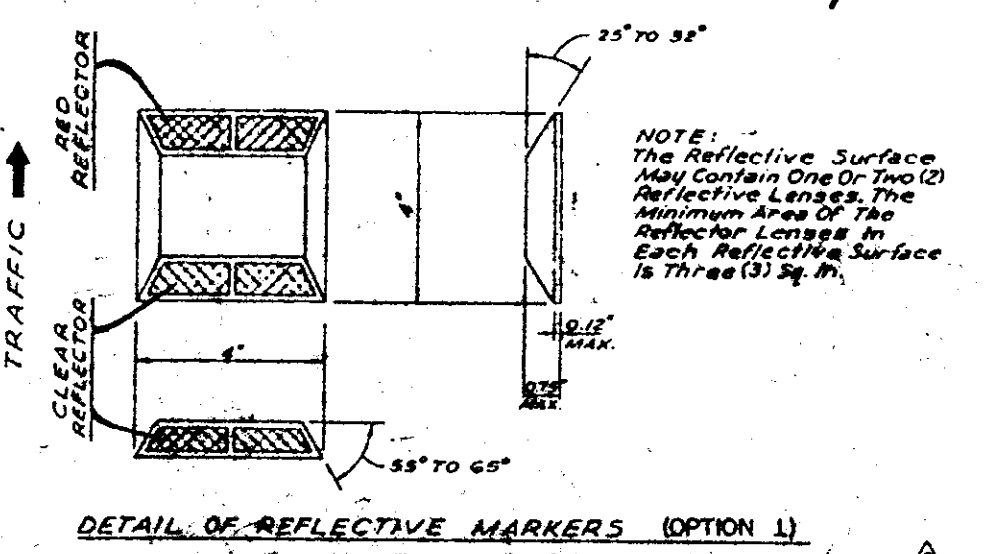
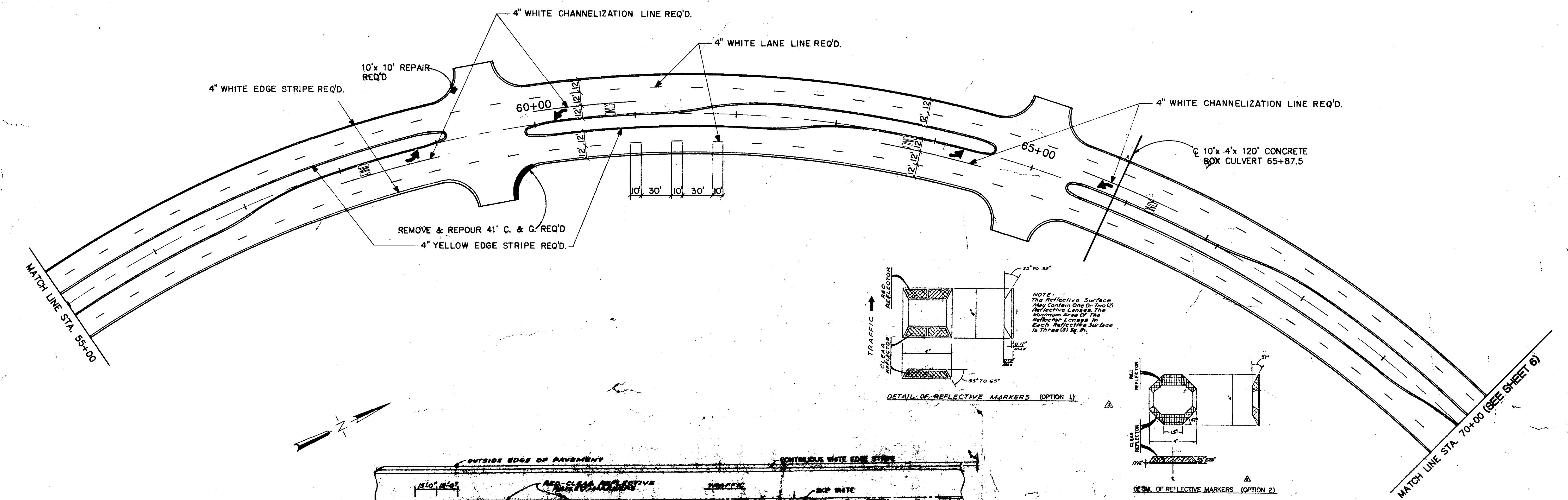
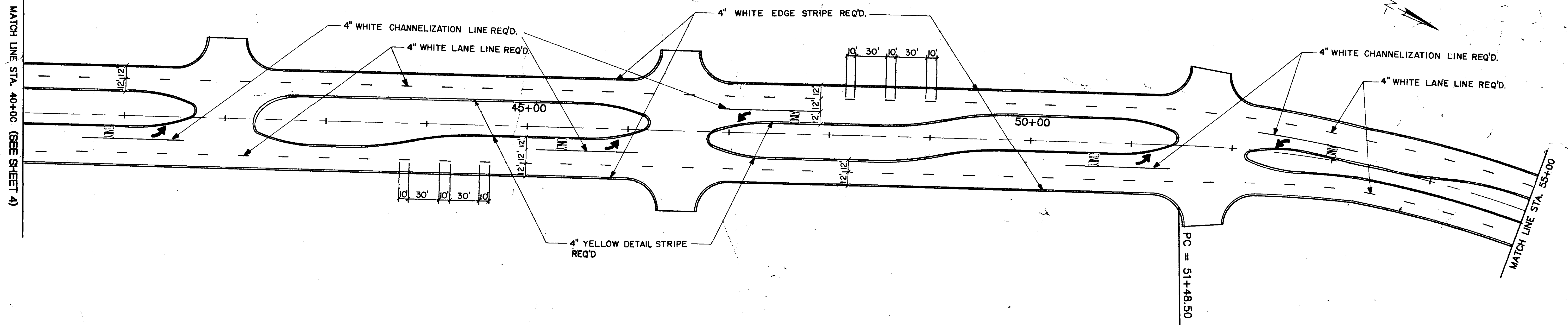
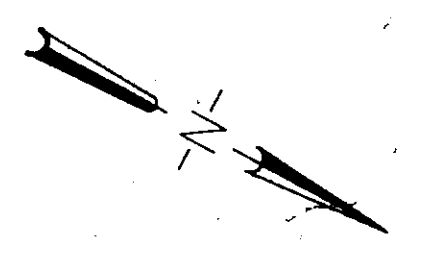
TURN LANE DETAIL

NOTE: RED-CLEAR RAISED PAVEMENT MARKERS REQUIRED AT EACH TURN LANE AS SHOWN.

RED-CLEAR RAISED PAVEMENT MARKERS REQUIRED ALONG LANE LINES THROUGHOUT PROJECT WHERE SKIP WHITE STRIPING IS REQ'D. SEE SHEET 5 FOR DETAILS.

MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	4 OF 18

MATCH LINE STA. 40+00 (SEE SHEET A)



DETAIL OF PAVEMENT MARKING ON FOUR-LANE WITH ONE-WAY TRAFFIC

SPACINGS OF RAISED REFLECTIVE MARKERS

	URBAN AREA	RURAL AREA
TANGENT SECTIONS	40 FT	60 FT
HORIZONTAL CURVES	40 FT	40 FT
INTERCHANGE LIMITS	40 FT	40 FT

MADISON COUNTY, MISSISSIPPI

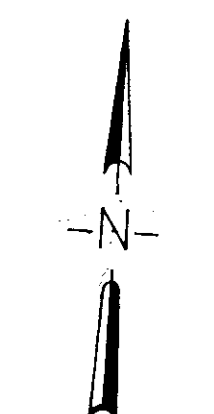
HIGHWAY COLONY PARKWAY
ASPHALT SURFACE COURSE AND
PAVEMENT MARKING

PLAN SHEET

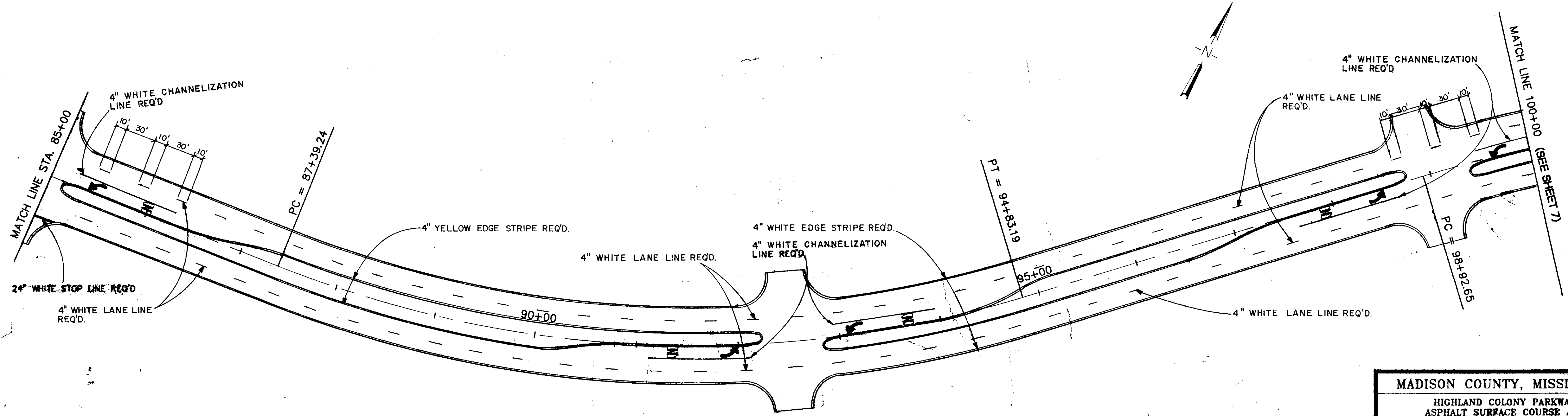
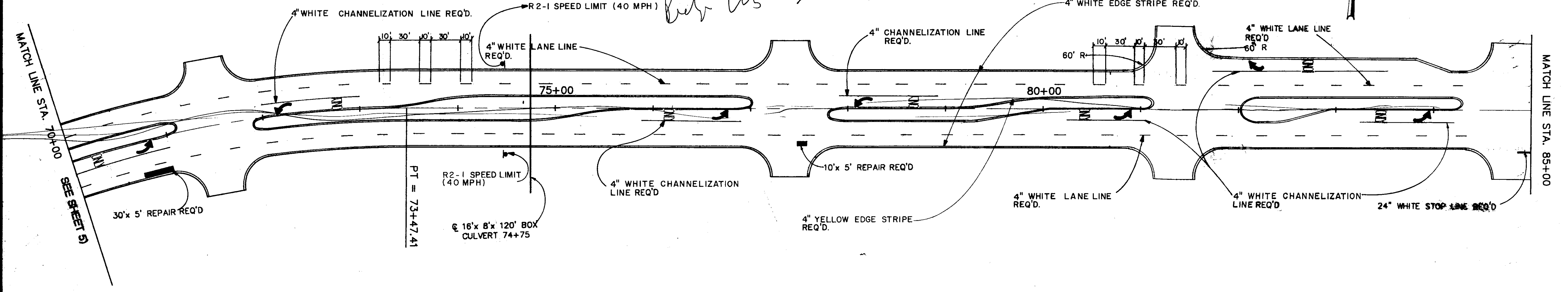
WAGGONER ENGINEERING, INC.
 Consulting Engineers - Pascagoula, Jackson, Mississippi

DRAWN BY	DATE 7-24-97	SHEET NUMBER
REVIEWED BY H.T.A.	SCALE 1"=40'	5 OF 18

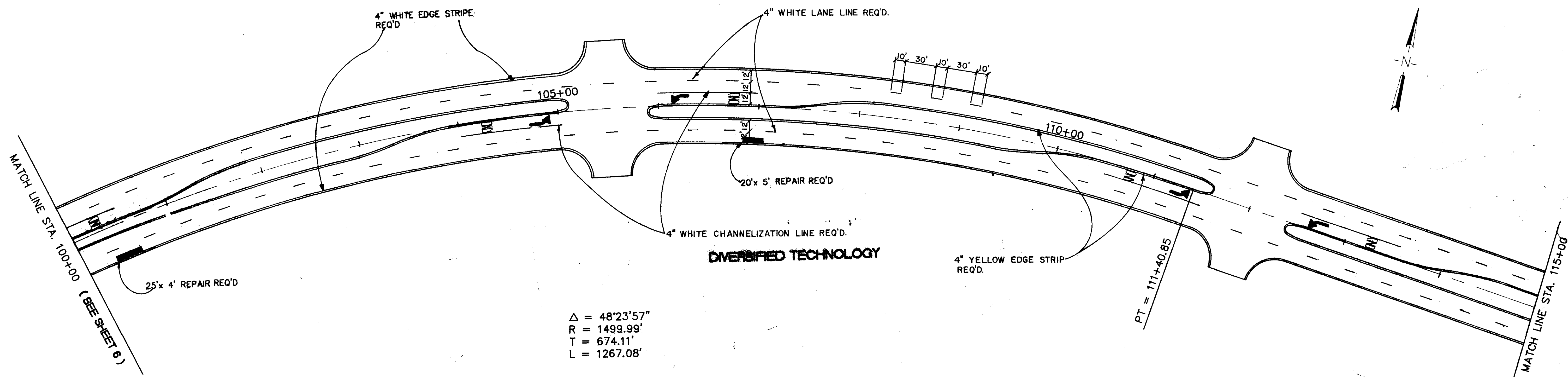
KLINGLER ELECTRIC CO.



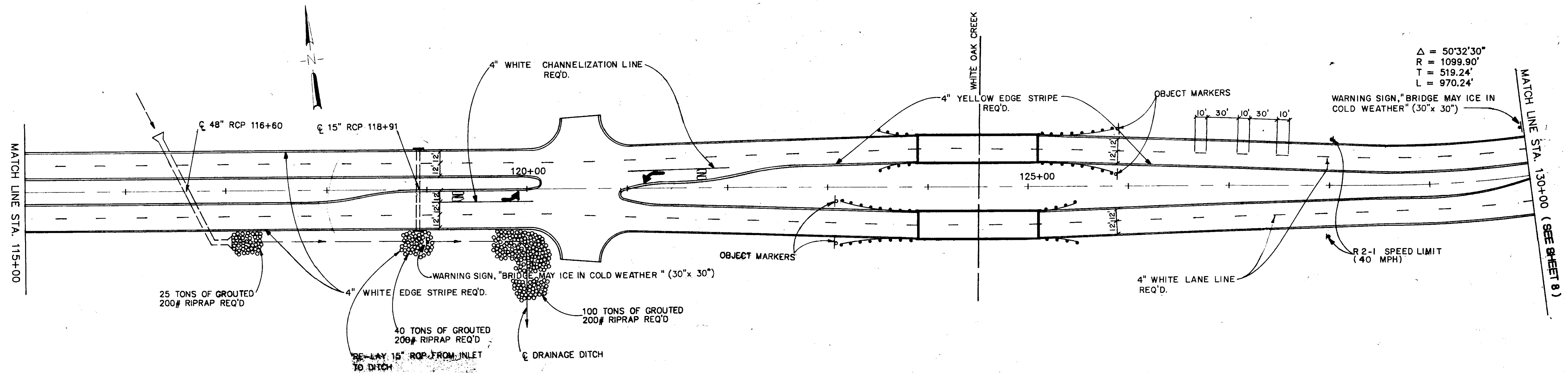
bit at limit



MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGOONER ENGINEERING, INC. Consulting Engineers - Postoffice/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	6 OF 18

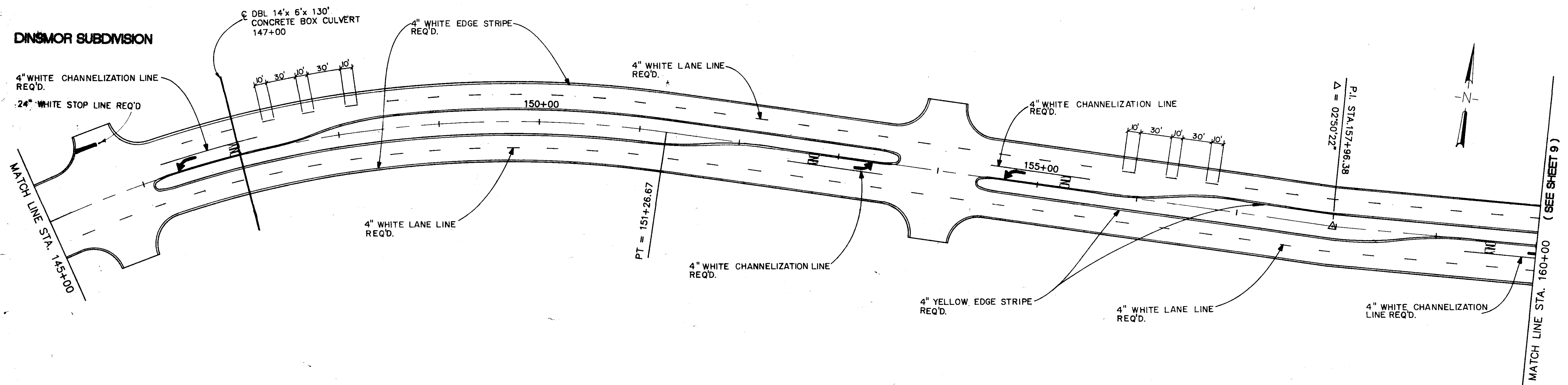
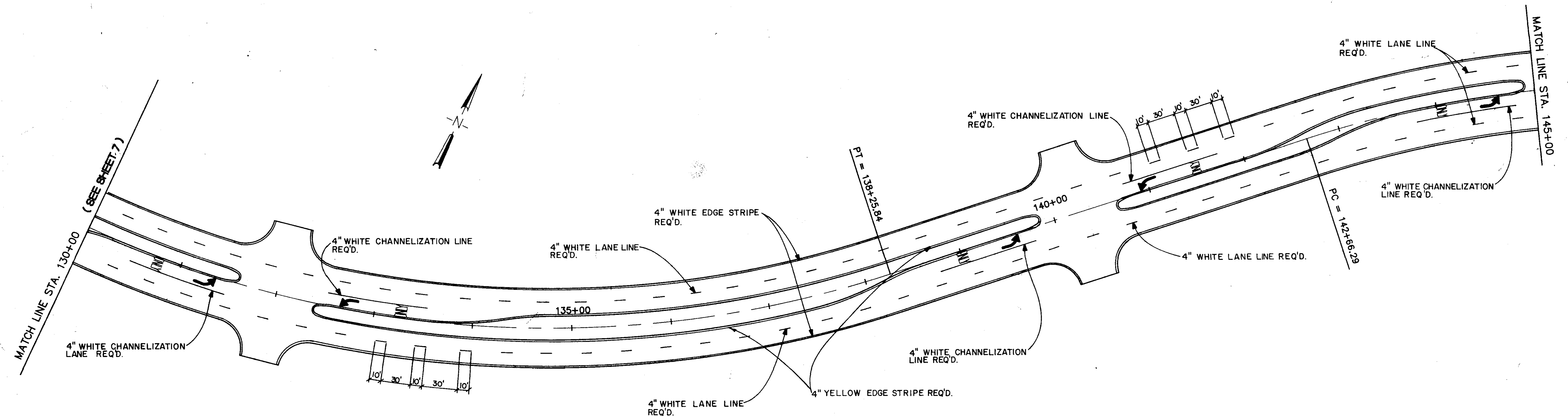


$\Delta = 48^{\circ}23'57''$
 $R = 1499.99'$
 $T = 674.11'$
 $L = 1267.08'$

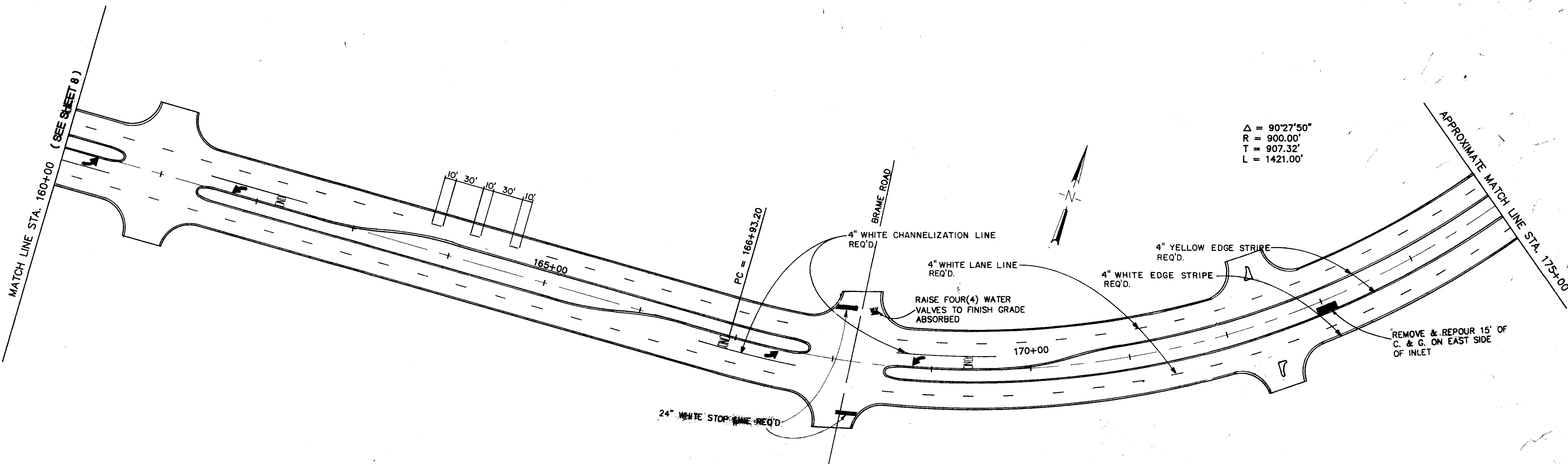


$\Delta = 50^{\circ}32'30''$
 $R = 1099.90'$
 $T = 519.24'$
 $L = 970.24'$

MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DATE: 7-24-97	SCALE: NOT TO SCALE	SHEET NUMBER 7 OF 18

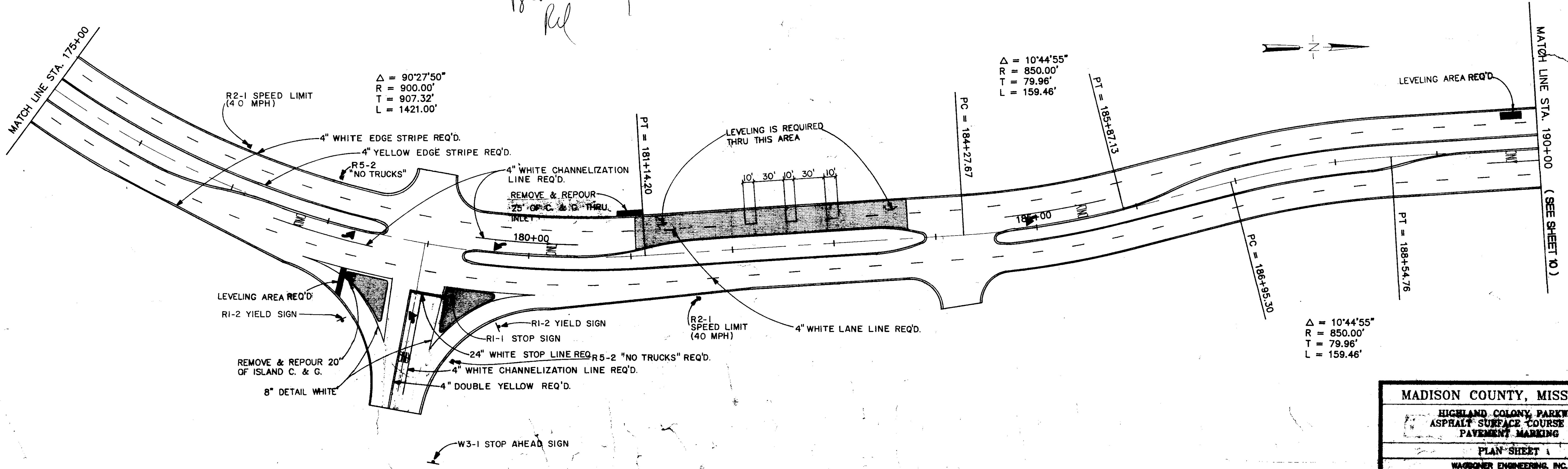


MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DATE: 7-24-97	SHEET NUMBER: 8	OF 18
DESIGNED BY: H.T.A.	SCALE: NOT TO SCALE	



$\Delta = 90^{\circ}27'50''$
 $R = 900.00'$
 $T = 907.32'$
 $L = 1421.00'$

where is Brame Rd



$\Delta = 90^{\circ}27'50''$
 $R = 900.00'$
 $T = 907.32'$
 $L = 1421.00'$

$\Delta = 10^{\circ}44'55''$
 $R = 850.00'$
 $T = 79.96'$
 $L = 159.46'$

$\Delta = 10^{\circ}44'55''$
 $R = 850.00'$
 $T = 79.96'$
 $L = 159.46'$

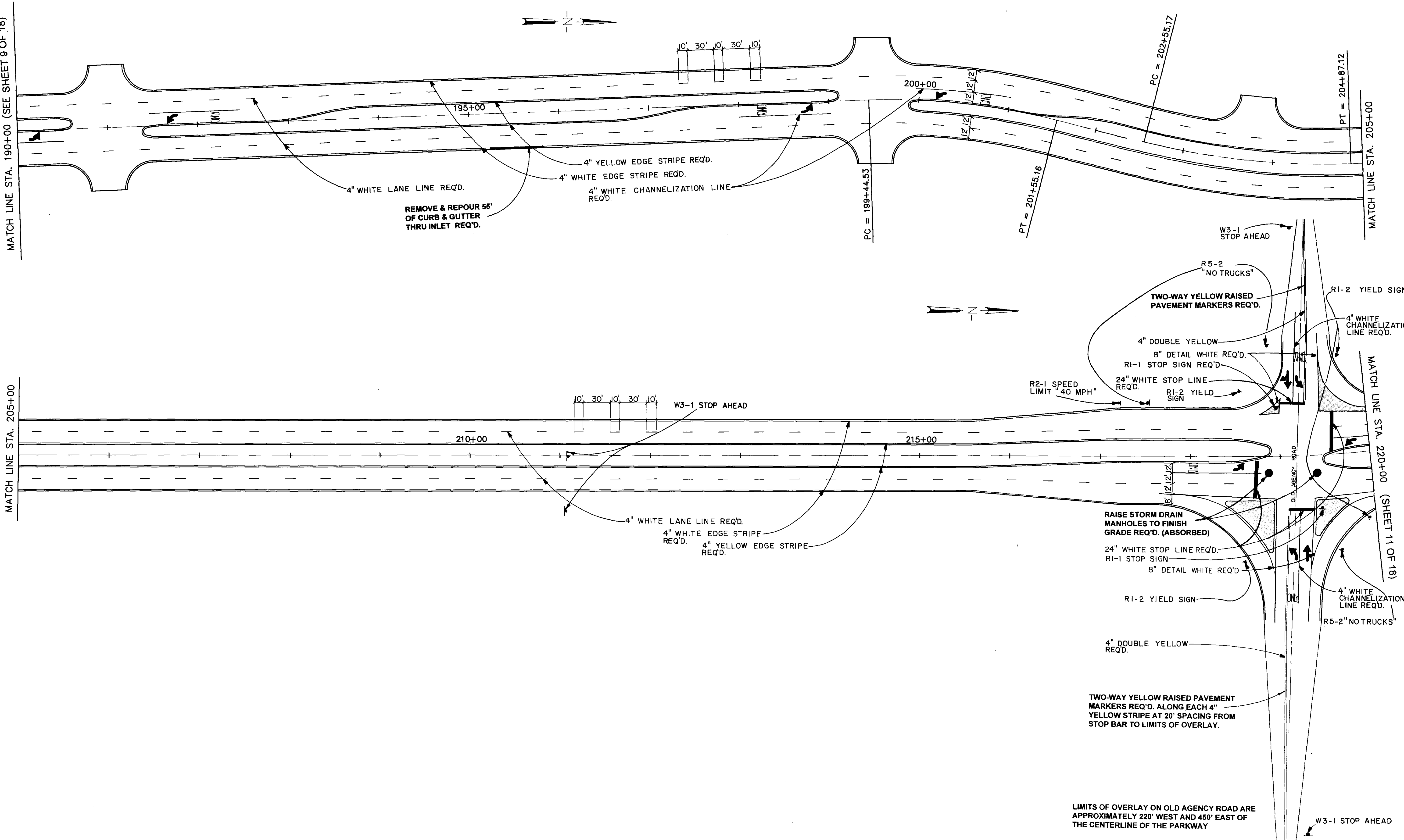
MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY		
ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET 1		
WAGNER ENGINEERING, INC.		
Consulting Engineers - Pascagoula/Jackson, Mississippi		
DESIGNED BY	DATE: 7-24-97	SHEET NUMBER
DRAWN BY H.T.A.	SCALE: NOT TO SCALE	9 OF 18

MATCH LINE STA. 190+00 (SEE SHEET 9 OF 18)

MATCH LINE STA. 205+00

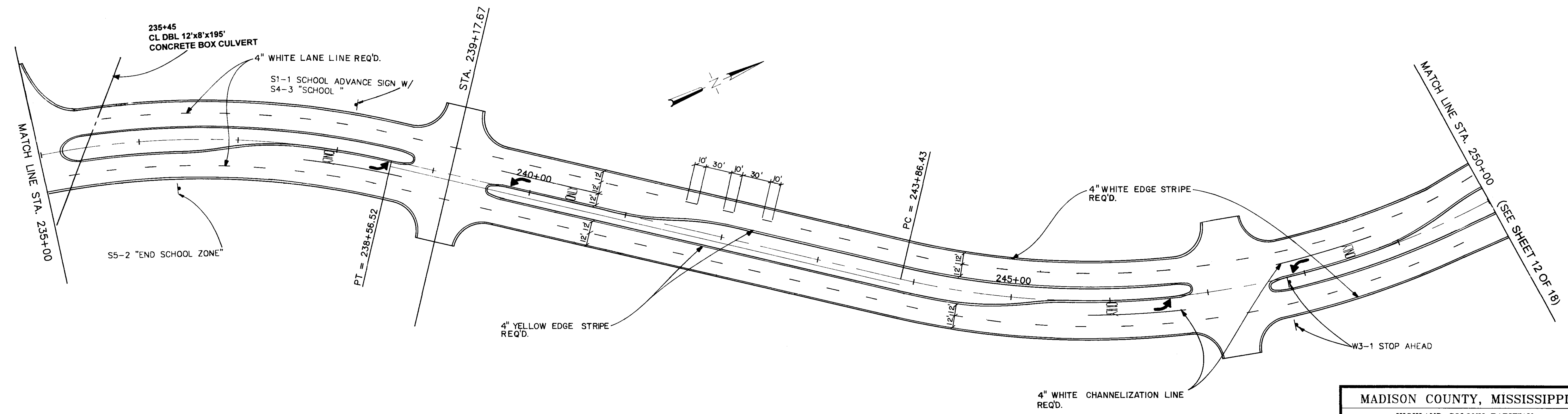
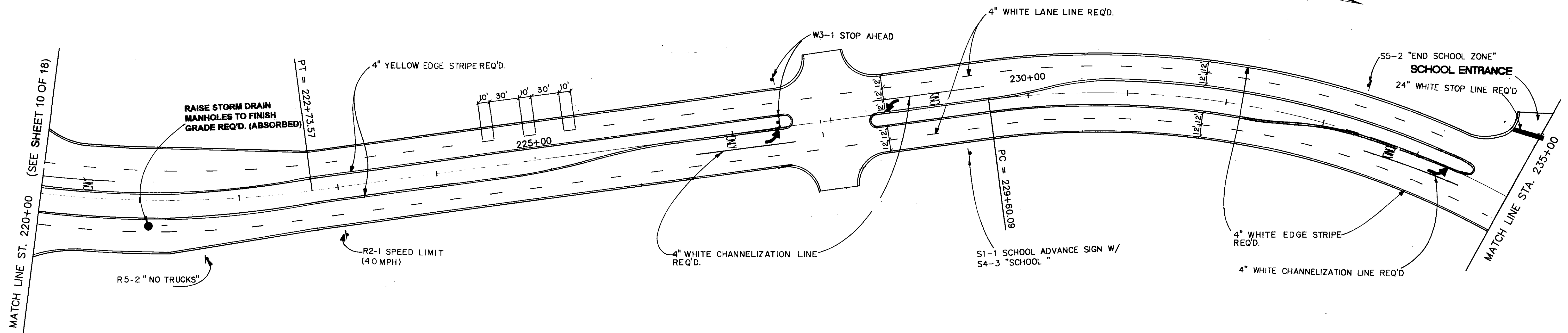
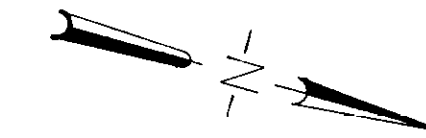
MATCH LINE STA. 205+00

MATCH LINE STA. 220+00 (SHEET 11 OF 18)



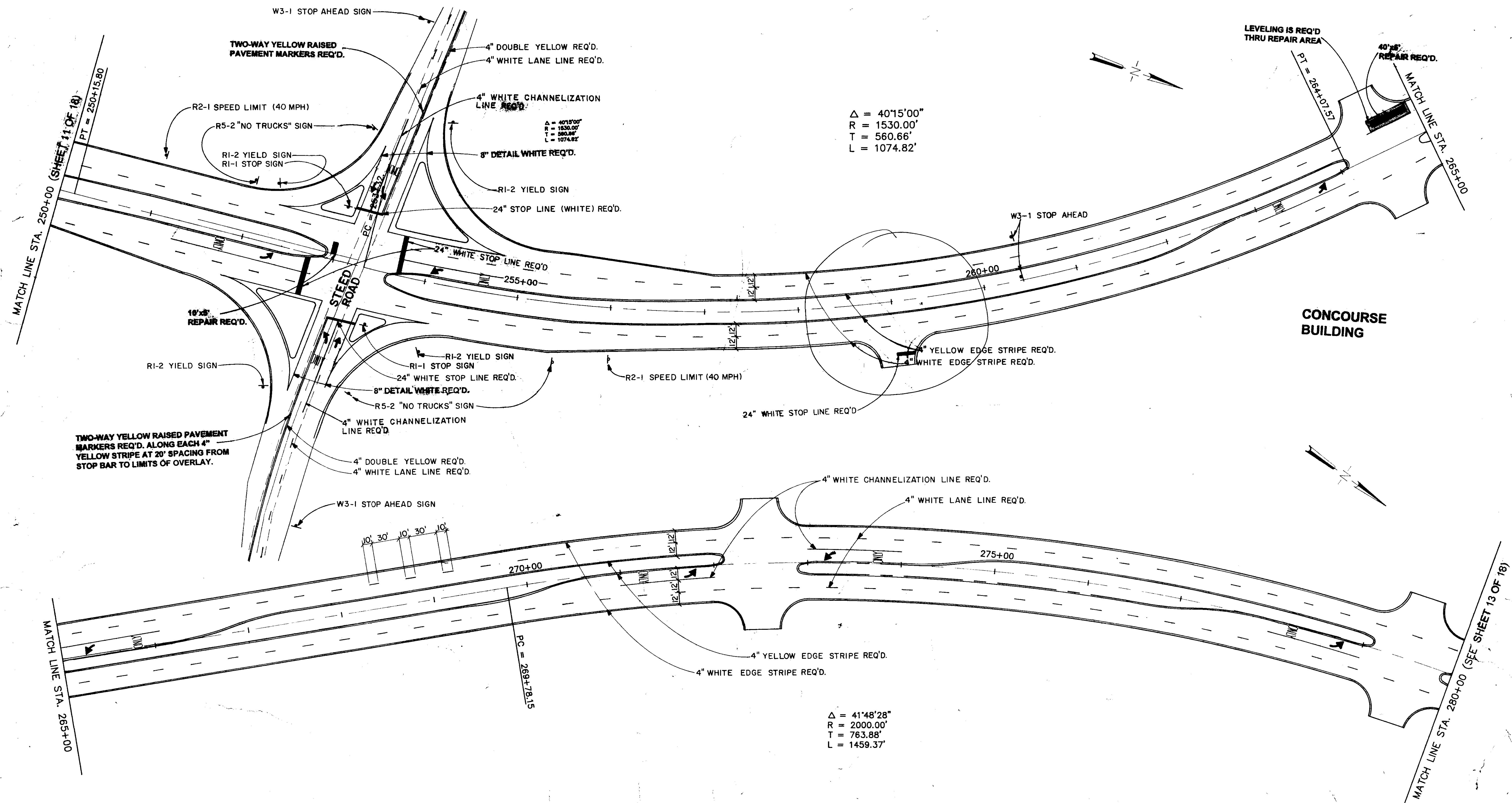
MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	10 OF 18

ST. ANDREWS SCHOOL



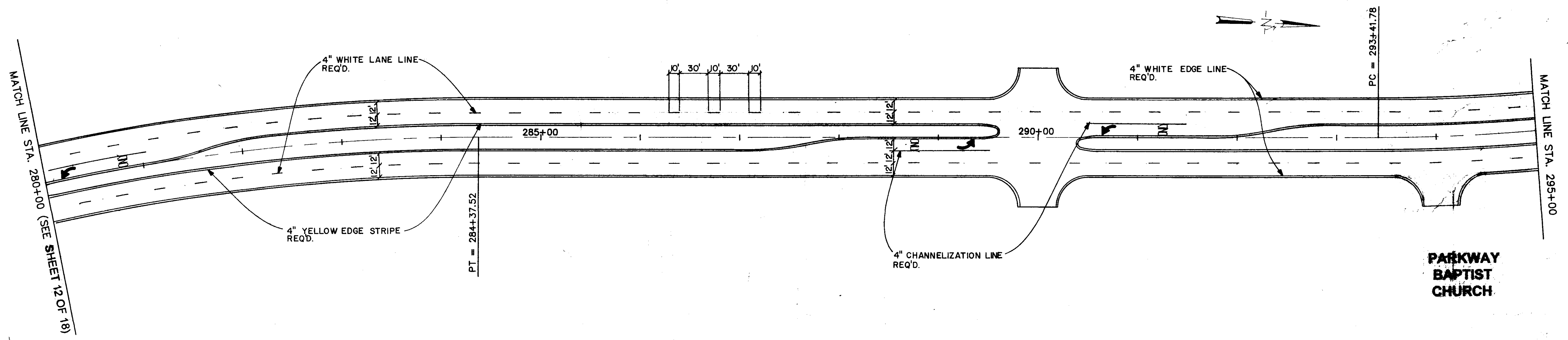
MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	11 OF 18

LIMITS OF OVERLAY ON STEED ROAD
ARE APPROXIMATELY 200' WEST AND 200' EAST
OF THE CENTERLINE OF THE PARKWAY

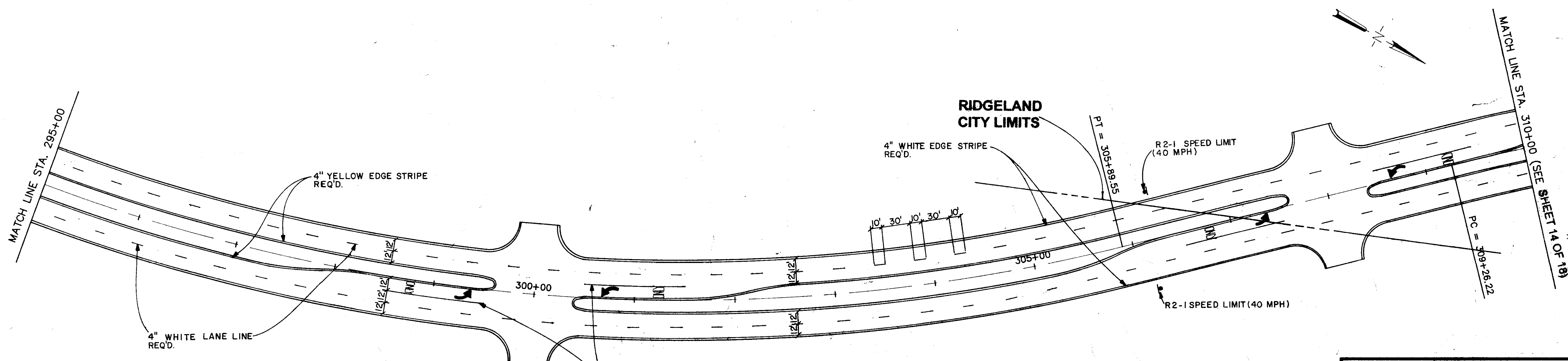


MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	12 OF 18

**WRIGHT & FERGUSON
FUNERAL HOME**

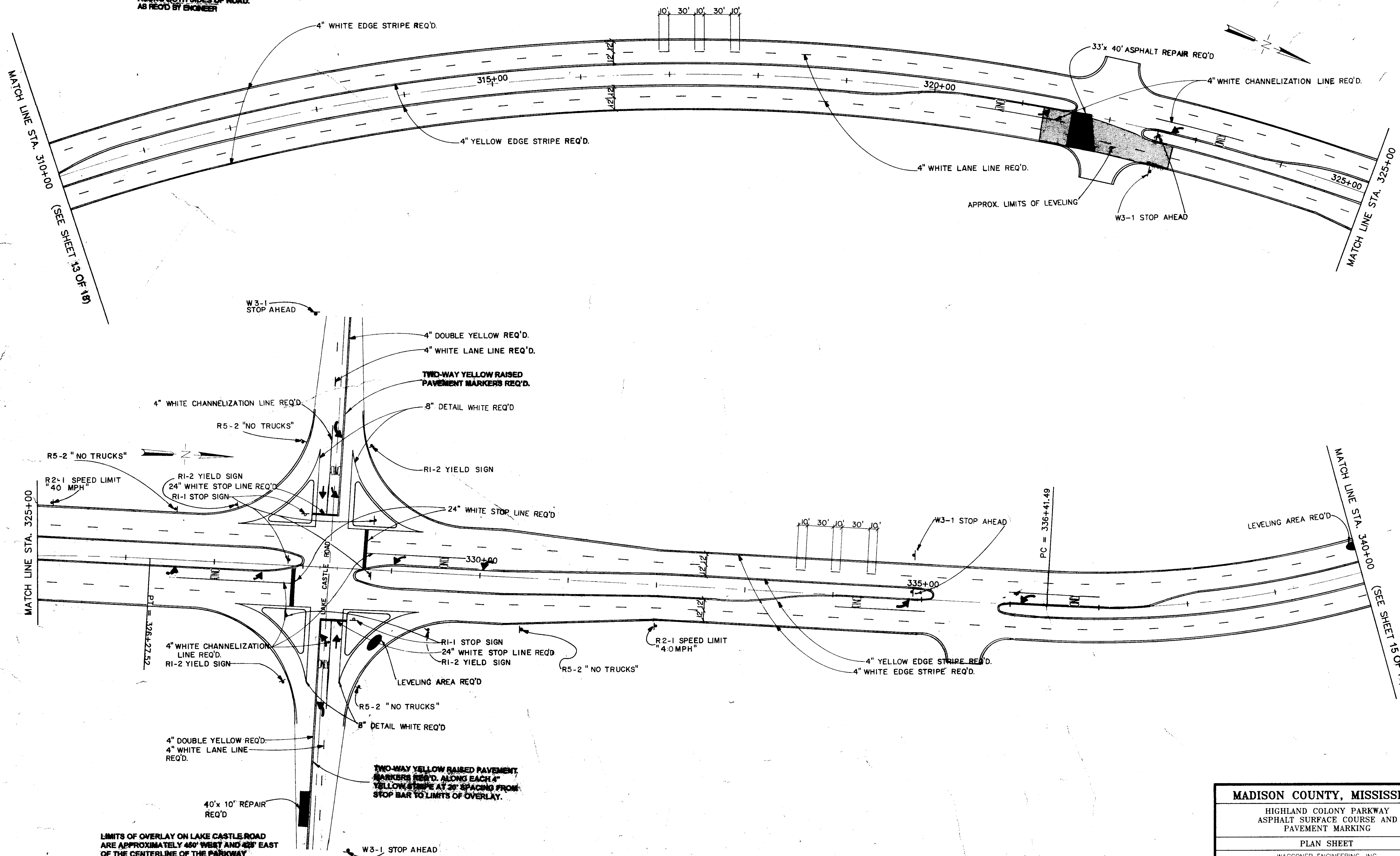


**PARKWAY
BAPTIST
CHURCH**



MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	13 OF 18

NOTE: LEVELING IS NEEDED SOUTH OF LAKE CASTLE ROAD TO STA. 310+00 ALONG BOTH SIDES OF ROAD. AS REQ'D BY ENGINEER



LIMITS OF OVERLAY ON LAKE CASTLE ROAD ARE APPROXIMATELY 400' WEST AND 400' EAST OF THE CENTERLINE OF THE PARKWAY

MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
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DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	14 OF 18

CYPRESS
LAKE
SUBDIVISION

TEXAS EASTERN
TRANSMISSION
CORPORATION

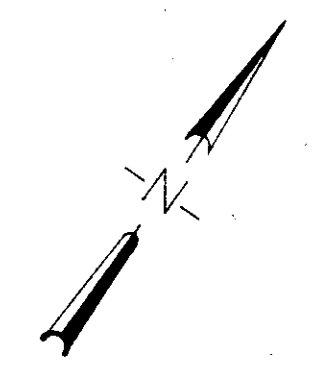
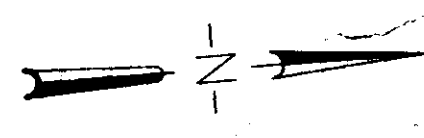
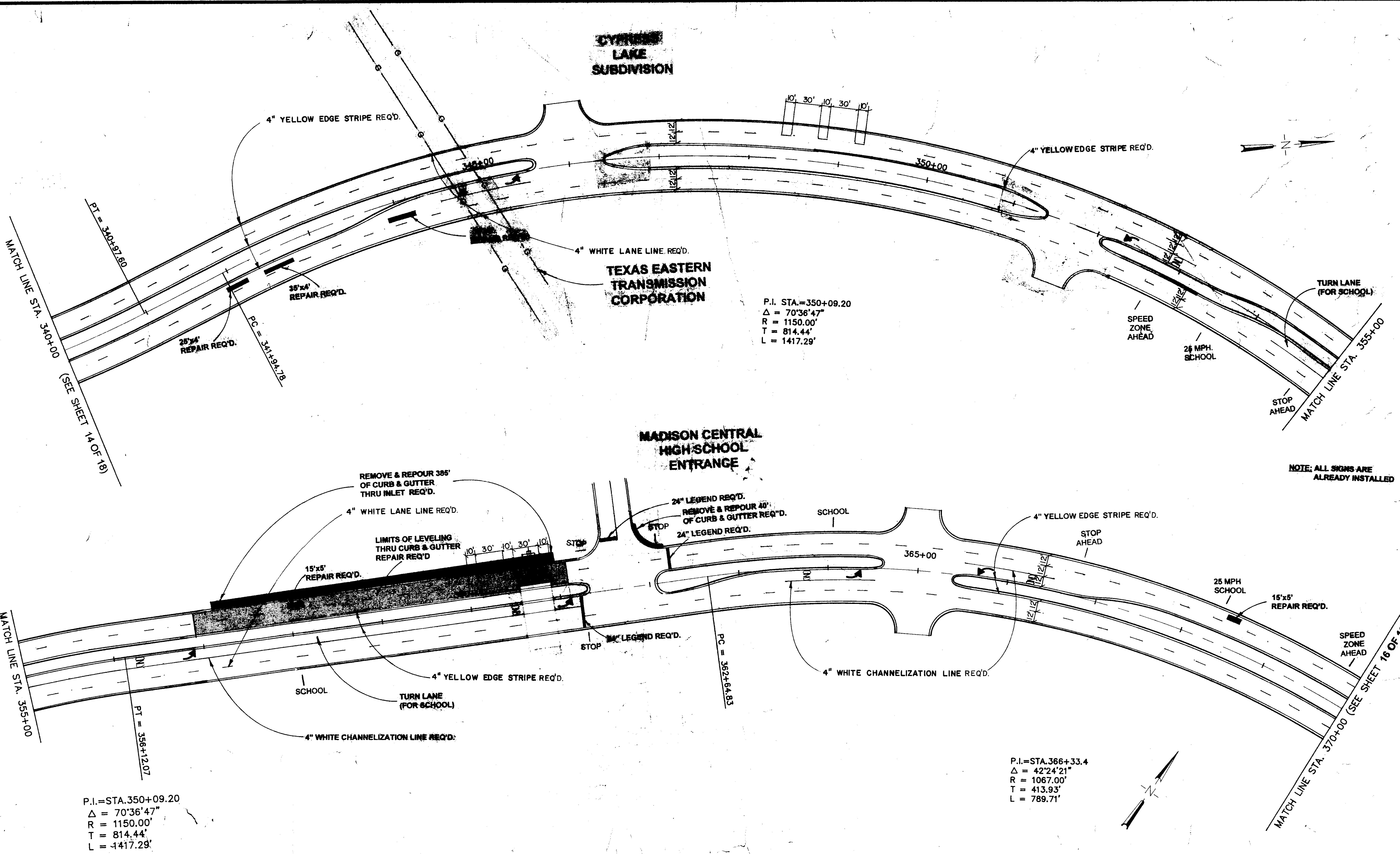
MADISON CENTRAL
HIGH SCHOOL
ENTRANCE

P.I. STA.=350+09.20
Δ = 70°36'47"
R = 1150.00'
T = 814.44'
L = 1417.29'

P.I.=STA.366+33.4
Δ = 42°24'21"
R = 1067.00'
T = 413.93'
L = 789.71'

P.I.=STA.350+09.20
Δ = 70°36'47"
R = 1150.00'
T = 814.44'
L = 1417.29'

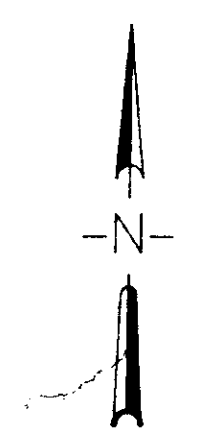
MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
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DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	15 OF 18



TEXAS EASTERN
TRANSMISSION
CORPORATION

P.I. = STA. 382+09.31
 $\Delta = 131'9''35''$
 R = 1800.00'
 T = 210.28'
 L = 418.66'

EQUATION
 PC (BACK) = 385+19.05
 PC (AHEAD) = 384+71.15



MATCH LINE STA. 370+00 (SEE SHEET 15 OF 18)

MATCH LINE STA. 385+00 (AHEAD)

LEVELING AREA REQ'D.
 10'x6' REPAIR REQ'D.
 REMOVE & REPOUR 55' OF CURB & GUTTER REQ'D.
 PT = 370+54.54
 PC = 372+35.84
 APPROXIMATE LIMITS OF LEVELING REQ'D.

P.I. = STA. 374+13.65
 $\Delta = 10'09''40''$
 R = 2000.00'
 T = 177.81'
 L = 354.69'

4" WHITE LANE LINE REQUIRED

PT = 375+90.52

4" WHITE EDGE LINE REQUIRED

PC = 377+80.85

4" WHITE CHANNELIZATION LINE REQUIRED

PT = 382+09.31

4" YELLOW EDGE STRIPE REQUIRED

P.I. = STA. 366+40.62
 $\Delta = 42'24''21''$
 R = 1067.00'
 T = 413.93'
 L = 789.71'

MATCH LINE STA. 400+00 (SEE SHEET 17 OF 18)

MATCH LINE STA. 385+00 (AHEAD)

P.I. = STA. 401+69.69 (AHEAD)
 $\Delta = 88'43''15''$
 R = 1736.89'
 T = 1698.54'
 L = 2689.52'

R2-1 SPEED LIMIT (40 MPH) SIGN

4" WHITE EDGE STRIPE REQUIRED

REMOVE & REPOUR 70' OF CURB & GUTTER REQ'D.

4" WHITE LANE LINE REQUIRED

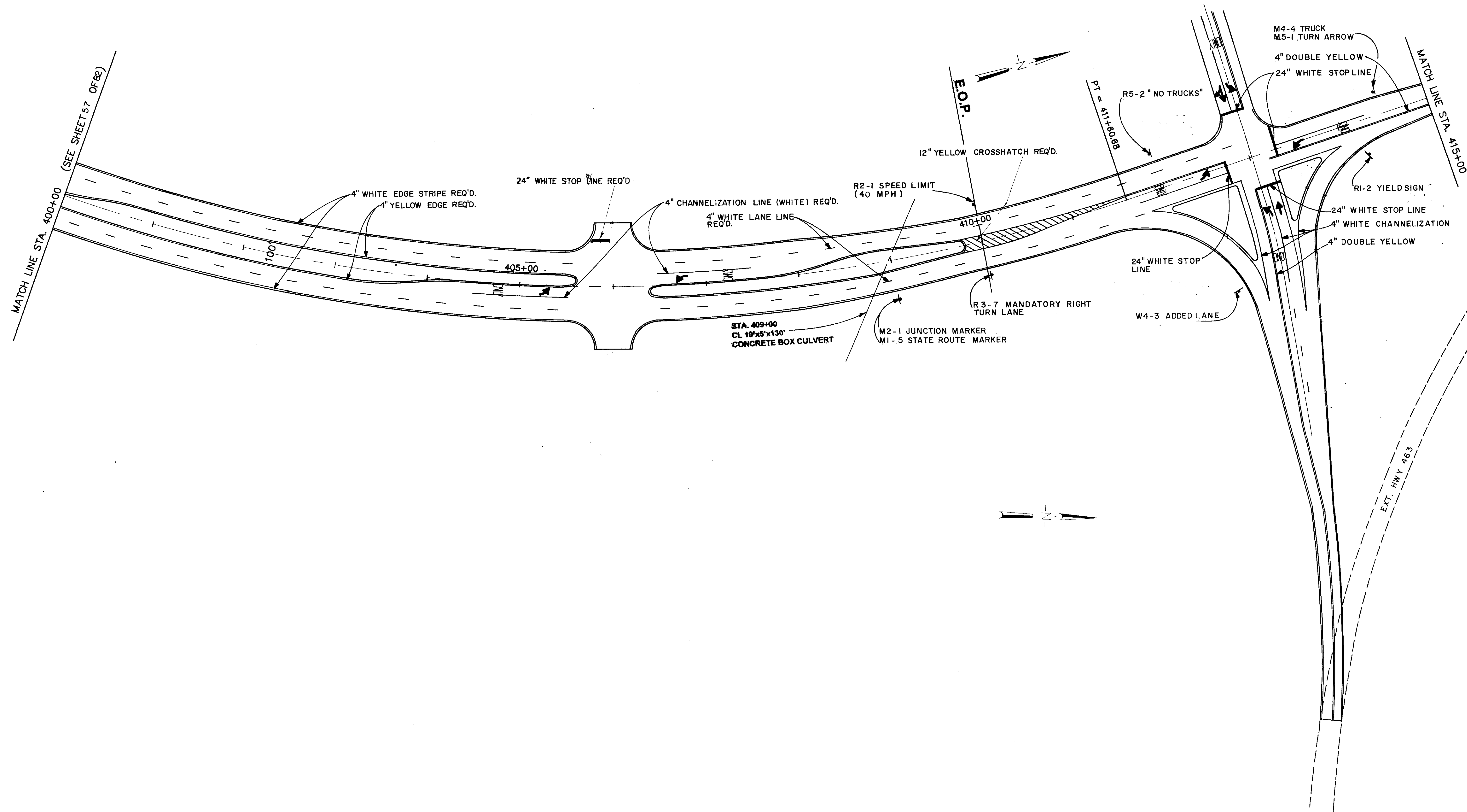
APPROXIMATE LIMITS OF LEVELING REQ'D

STA. 394+37
 DBL. 12"x18"x100'
 CONCRETE BOX CULVERT

4" YELLOW EDGE STRIPE REQUIRED

4" WHITE CHANNELIZATION LINE REQUIRED

MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	16 OF 18



MATCH LINE STA. 400+00
(SEE SHEET 57 OF 82)

MATCH LINE STA. 415+00

M4-4 TRUCK
M5-1 TURN ARROW

4" DOUBLE YELLOW

24" WHITE STOP LINE

R1-2 YIELD SIGN

24" WHITE STOP LINE

4" WHITE CHANNELIZATION

4" DOUBLE YELLOW

E.O.P.

PT = 411+60.88

R5-2 "NO TRUCKS"

12" YELLOW CROSSHATCH REQ'D.

R2-1 SPEED LIMIT
(40 MPH)

4" CHANNELIZATION LINE (WHITE) REQ'D.

4" WHITE LANE LINE
REQ'D.

24" WHITE STOP LINE REQ'D

4" WHITE EDGE STRIPE REQ'D.
4" YELLOW EDGE REQ'D.

R3-7 MANDATORY RIGHT
TURN LANE

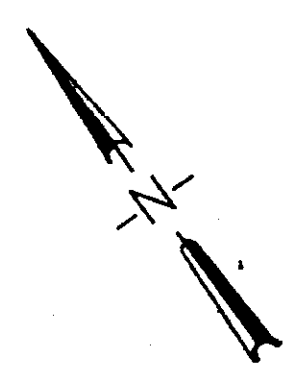
W4-3 ADDED LANE

STA. 409+00
CL 10'x8'x130'
CONCRETE BOX CULVERT

M2-1 JUNCTION MARKER
M1-5 STATE ROUTE MARKER

EXT. HWY 463

MADISON COUNTY, MISSISSIPPI		
HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT MARKING		
PLAN SHEET		
WAGGONER ENGINEERING, INC. Consulting Engineers - Pascagoula/Jackson, Mississippi		
DRAWN BY:	DATE: 7-24-97	SHEET NUMBER
REVIEWED BY: H.T.A.	SCALE: NOT TO SCALE	17 OF 18



STA. 0+00 COLE ROAD =
STA. 16+35.35 PARKWAY

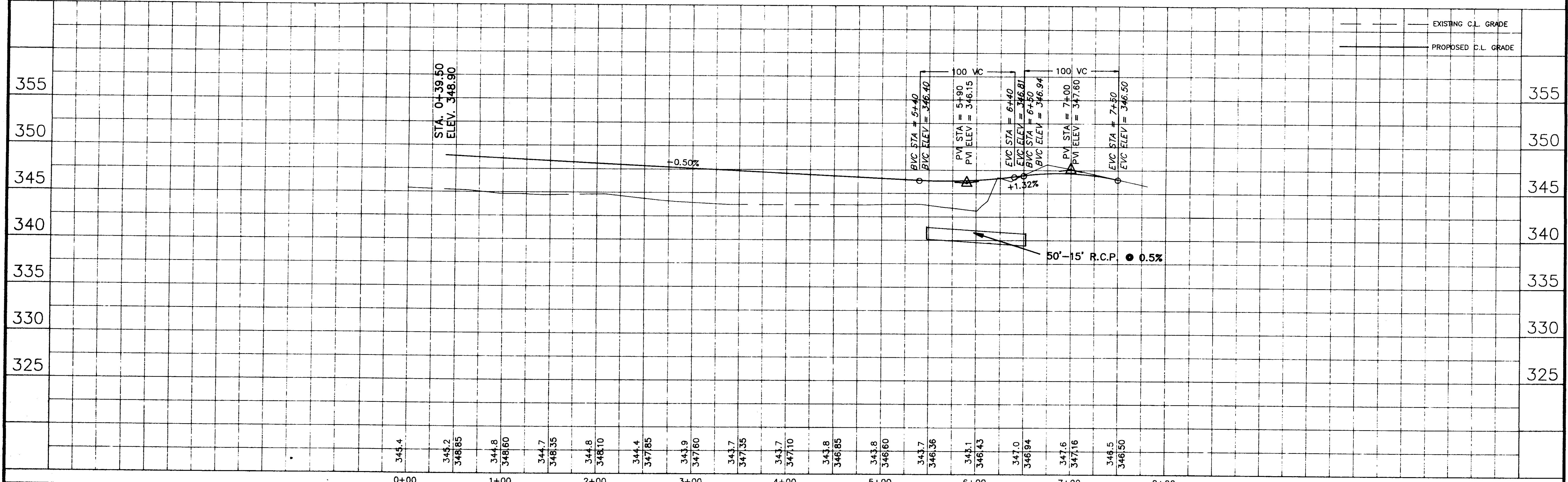
THEO P. COSTAS JR.

$\Delta = 64^{\circ}11'07''$
 $R = 250.00'$
 $T = 156.78'$
 $L = 280.06'$

$\Delta = 30^{\circ}09'05''$
 $R = 250.00'$
 $T = 67.34'$
 $L = 131.56'$

THEO P. COSTAS JR.

UNDERWOOD
DEVELOPMENT
CORPORATION



DESIGNED	DATE	WAGGONER ENGINEERING INC. CONSULTING ENGINEERS JACKSON / PASCAGOULA, MISSISSIPPI	HIGHLAND COLONY PARKWAY ASPHALT SURFACE COURSE AND PAVEMENT PARKINGS	ACAD PATH ROUTE
DRAWN	SCALE			C:\DWG\SUNTRREE\PPRO34
NO. DATE	REVISIONS	BY	W.E.L. JOB NO.	SHEET NO.
			88-103	18 of 18