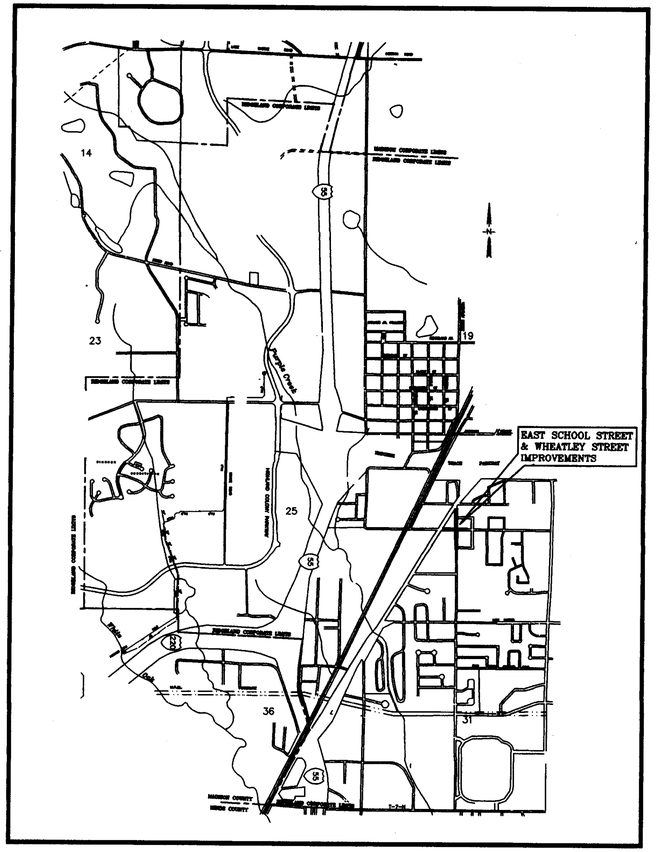
CITY OF RIDGELAND, MISSISSIPPI
EAST SCHOOL STREET AND WHEATLEY STREET RECONSTRUCTION

THE CITY OF
RIDGELAND

Mayor:
Gene F. McGee

Mayor Pro Tem:
Chuck Kobert

City Attorney:
Jerry Mills



Aldermen:
Brian Barcellona
Joe Barlow
Al Bible
Harvey Carr, Jr.
Linda Davis
Chuck Kobert
Daryl Smith

Public Works Director:
Sam Vinson, P.E.

Asst. Public Works Director:
Sid Hawthorne

City Clerk:
Michael McPhearson

Fire Chief:
Elmer Waits

Police Chief:
Charles Newell

JANUARY 1996

WAGGONER ENGINEERING, INC.
CONSULTING ENGINEERS
Jackson / Pascagoula, Mississippi

RECORD DRAWING
FEBRUARY 1997
PWP-01935

92117\COVER2

MADISON

MADISON CORPORATE LIMITS
RIDGELAND CORPORATE LIMITS

PROJECT AREA

RIDGELAND

ROSS BARNETT RESERVOIR

RIDGELAND CORPORATE LIMITS
JACKSON CORPORATE LIMITS

MADISON COUNTY
HINDS COUNTY

T-7-N
T-6-N

-N-

SHEET INDEX

RECORD DRAWING
FEBRUARY 1997

REVISED: 1-18-96

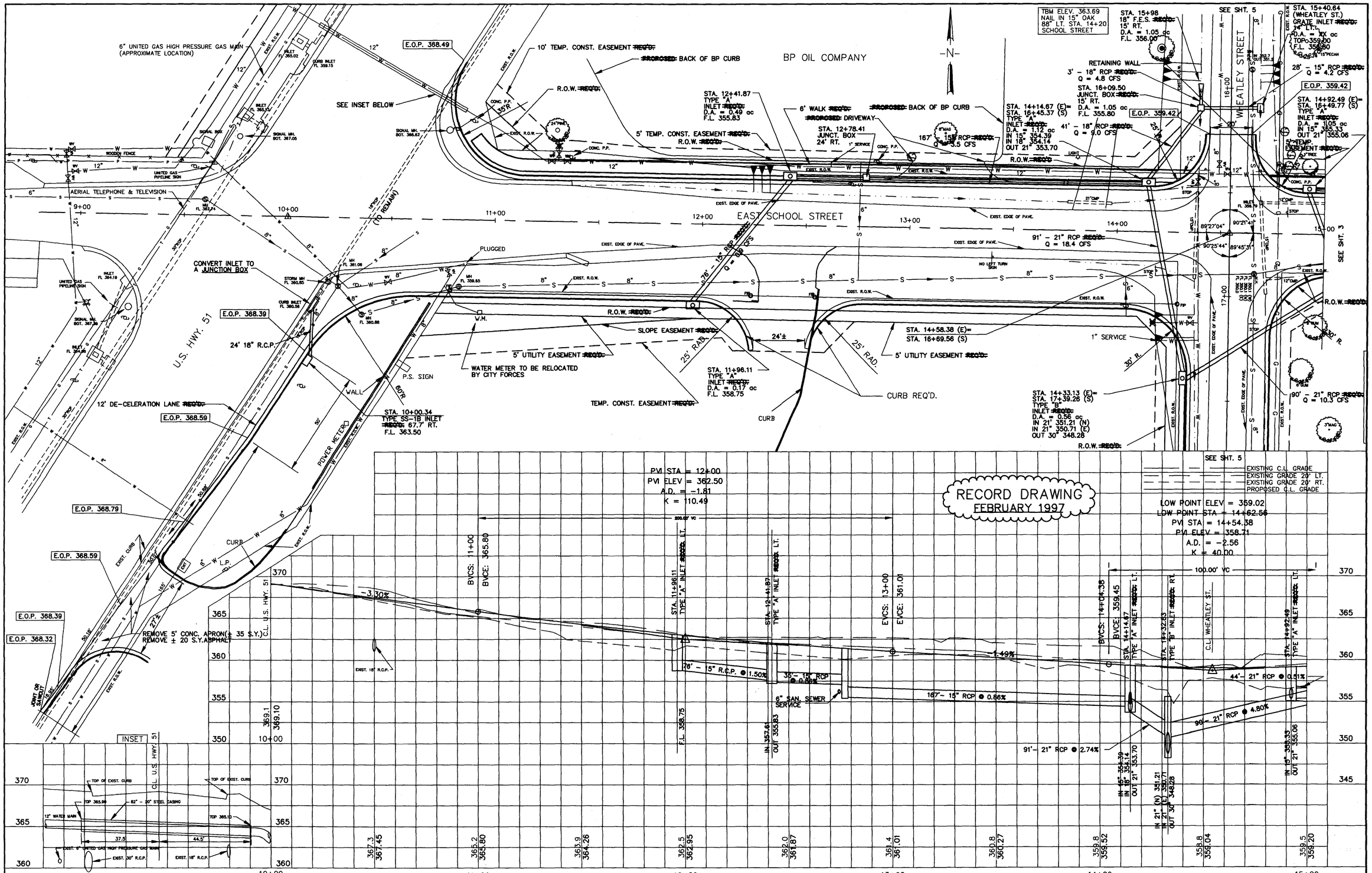
CITY OF RIDGELAND, MISSISSIPPI

EAST SCHOOL STREET / WHEATLEY STREET RECONSTRUCTION

WAGGONER ENGINEERING, INC.
Consulting Engineers – Jackson, Mississippi

DRAWN BY: R.C.	DATE: MAY 95	SHEET NUMBER
REVIEWED BY: J.H.	SCALE: 1" = 1000'	1 OF 14

C:\P\92117\L2



RECORD DRAWING
FEBRUARY 1997

EXISTING C.L. GRADE
EXISTING GRADE 20' LT.
EXISTING GRADE 20' RT.
PROPOSED C.L. GRADE

C:\P\92117\SC12ST Wed Jul 23 07:14:06 1997
HP Designjet 750C 750X: HPGL Hewlett-Packard HP-GL/2 devices v3.1, ADI 4.2 by HP

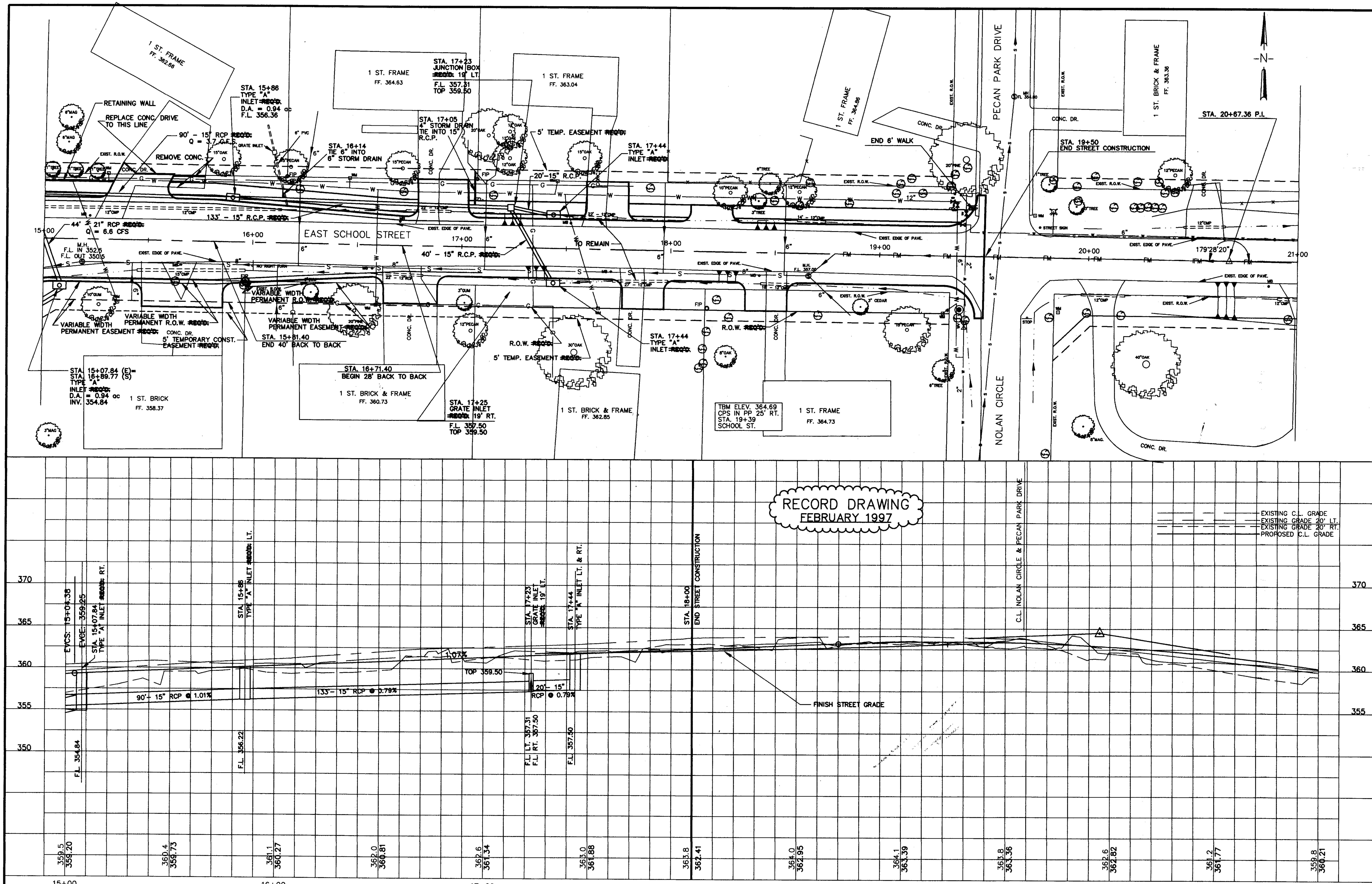
NO.	DATE	REVISIONS	BY

DESIGNED — DATE JAN. 96
DRAWN R.C. — SCALE 1"=20' HORIZ. 1"= 5' VERT.

WACCONER ENGINEERING INC. CONSULTING ENGINEERS
JACKSON , MISSISSIPPI

SCHOOL STREET IMPROVEMENTS

ACAD PATH ROUTE C:\P\92117\SC12ST
W.E.I. JOB NO. 92117
SHEET NO. 2 OF 14



NO.	DATE	REVISIONS	BY	DESIGNED	DATE
					JAN. 96
				DRAWN R.C.	SCALE 1"=20' HORIZ. 1"= 5' VERT.

WAGGONER ENGINEERING INC. CONSULTING ENGINEERS
JACKSON , MISSISSIPPI

SCHOOL STREET IMPROVEMENTS

ACAD PATH ROUTE C:\P\92117\SC23ST

W.E.I. JOB NO. 92117

SHEET NO. 3 OF 14

C:\P\92117\SC23ST Wed Jul 23 07:08:27 1997
HP DesignJet 755CM 755d1.HPC Hewlett-Packard HP-GL/2 devices v3.1, ADI 4.2 -by HP

EAST MOON STREET

NATCHEZ TRACE R.O.W.
U.S. HWY. 51

NATCHEZ TRACE ROW

E.O.P. 364.15

E.O.P. 366.13

E.O.P. 366.95

75' RAD.

STA. 11+06.00 2" END OVERLAY

NOTE:
2" OVERLAY ~~REQ'D.~~
STA. 11+06.00 TO STA.16+69.56

EDGE OF ASPHALT

LANDSCAPE AREA

CURB & GUTTER

PLANTER

CONC. DRIVE

PECAN PARK DRIVE

WHEATLEY STREET

EDGE OF PAVEMENT

TOP OF BANK

PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO ASSURE THAT EXISTING TREES ARE NOT DISTURBED.

1 ST. FRAME
FF. 363.99

1 ST. FRAME
FF. 365.41

1 ST. FRAME
FF. 366.17

1 ST. BRICK & FRAME
FF. 363.75

1 ST. FRAME
GARAGE
FF. 367.96

1 ST. FRAME
FF. 370.23

1 ST. FRAME
FF. 369.11

STA. 14+81.76 P.I.

180°08'13"

NOTE:
REMOVE ALL STREET SIGNS AND RETURN TO CITY

RECORD DRAWING
FEBRUARY 1997

EXISTING C.L. GRADE
EXISTING GRADE 12' LT.
EXISTING GRADE 12' RT.

C.L. PECAN PARK DRIVE

370
365
360
355
350

366.7 368.0 365.8 365.5 365.3 365.2 365.0 364.8 364.1 363.3 362.3

10+00 11+00 12+00 13+00 14+00 15+00

NO.	DATE	REVISIONS	BY

DESIGNED
DRAWN R.C.
DATE JAN. 96
SCALE 1"=20' HORIZ. 1"= 5' VERT.

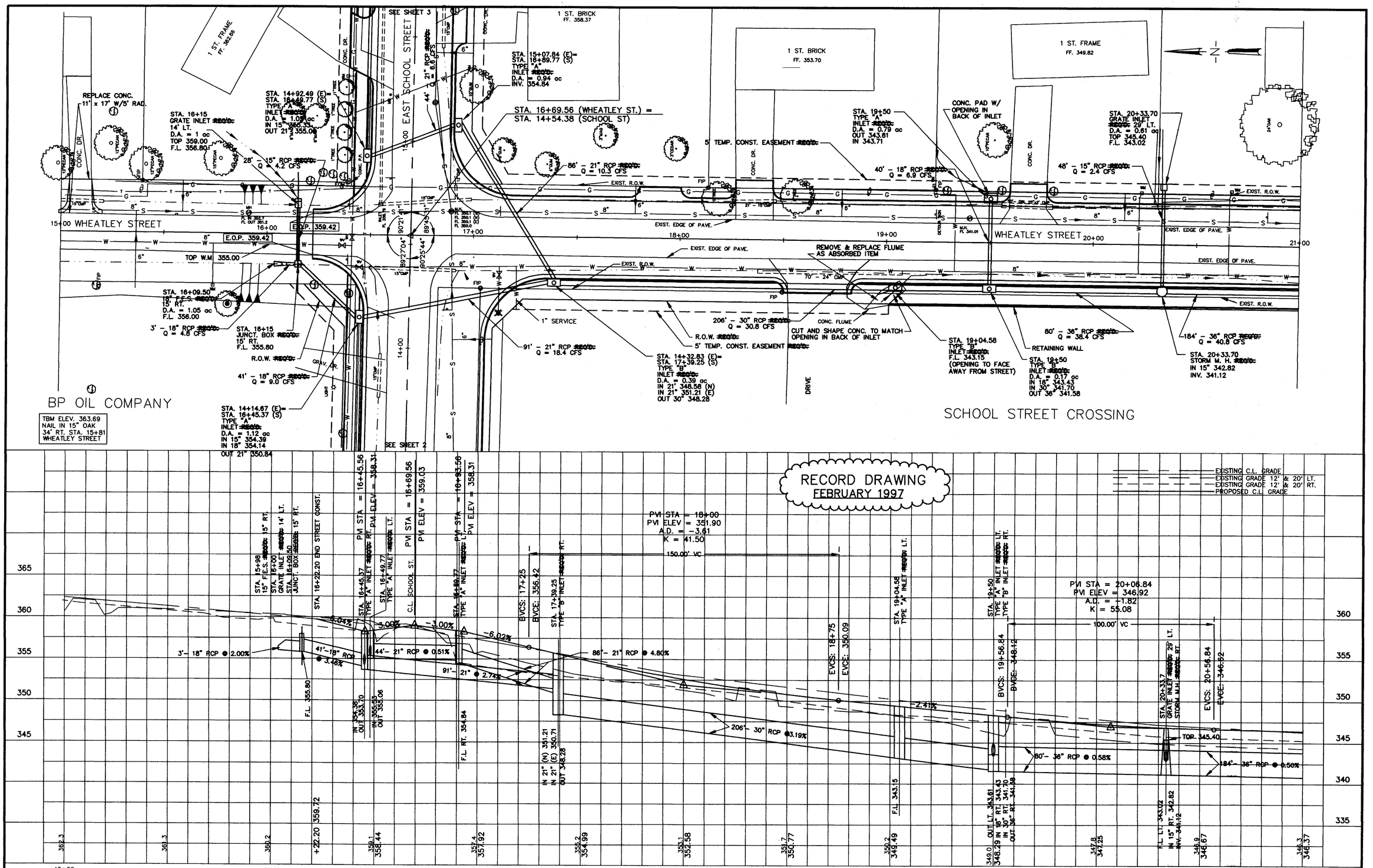
WAGGONER ENGINEERING INC. CONSULTING ENGINEERS
JACKSON , MISSISSIPPI

SCHOOL STREET IMPROVEMENTS

ACAD PATH ROUTE
C:\P\92117\WH12ST

W.E.I. JOB NO. 92117

SHEET NO. 4 OF 14



NO.	DATE	REVISIONS	BY

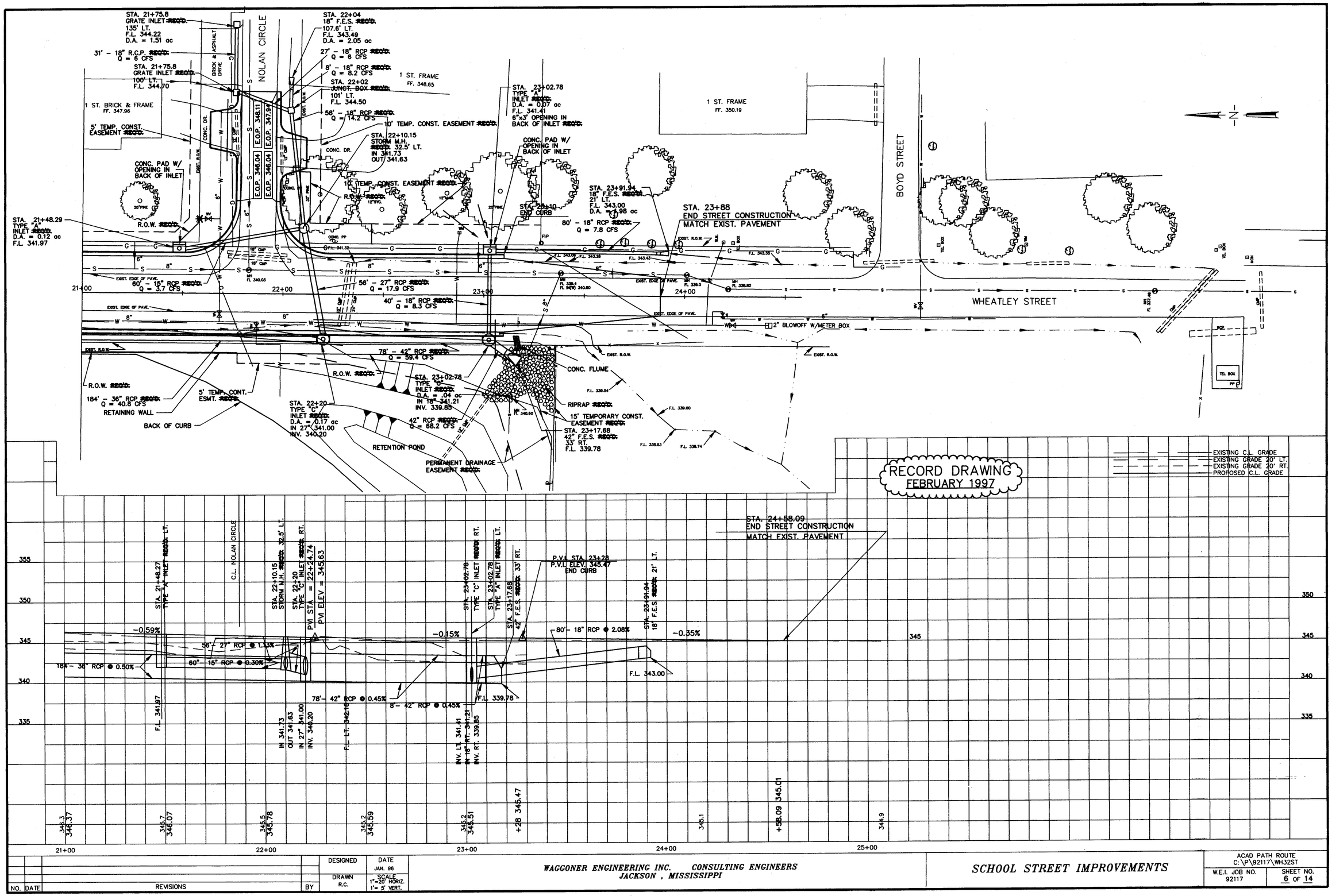
DESIGNED
DRAWN R.C.
DATE JAN. 96
SCALE 1"=20' HORIZ. 1"= 5' VERT.

WACCONER ENGINEERING INC. CONSULTING ENGINEERS
JACKSON , MISSISSIPPI

SCHOOL STREET IMPROVEMENTS

ACAD PATH ROUTE C:\P\92117\WH22ST
W.E.I. JOB NO. 92117
SHEET NO. 5 OF 14

C:\P\92117\WH22ST Mon Jul 28 08:25:54 1997
HP Designjet 755CM 75SP1.HPC Hewlett-Packard HP-GL/2 devices v3.1, ADI 4.2 -by HP



C:\P\92117\WH32ST Wed Jul 23 08:02:36 1997
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NO.	DATE	REVISIONS	BY

DESIGNED	DATE
	JAN. 96
DRAWN	SCALE
R.C.	1"=20' HORIZ. 1"= 5' VERT.

WAGGONER ENGINEERING INC. CONSULTING ENGINEERS
JACKSON , MISSISSIPPI

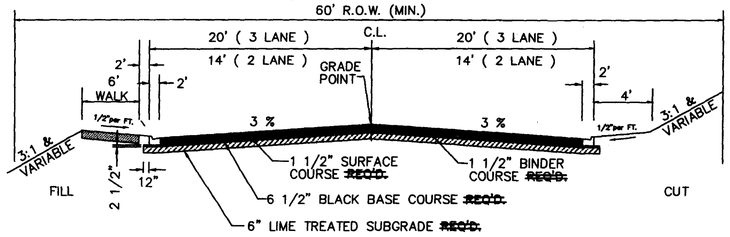
SCHOOL STREET IMPROVEMENTS

ACAD PATH ROUTE
C:\P\92117\WH32ST

W.E.I. JOB NO. 92117

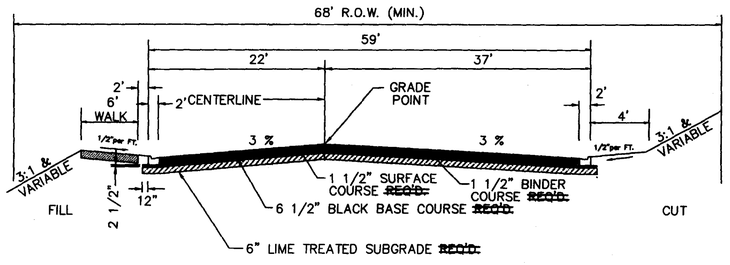
SHEET NO. 6 OF 14

NOTE: CONTRACTOR SHALL SLOPE INLET TOP TO MATCH SIDEWALK SLOPE WHERE APPLICABLE.

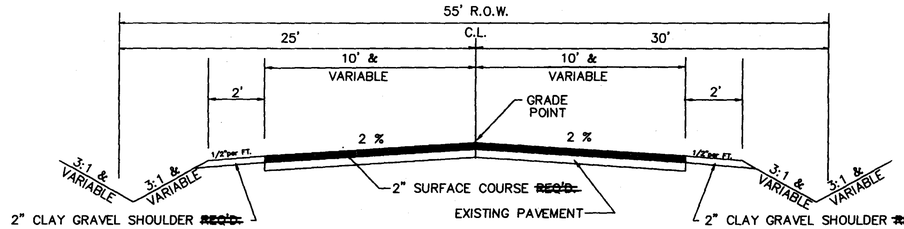


STA. 14+54.38 THRU 18+00
SCHOOL STREET 2 LANE & 3 LANE
N.T.S.

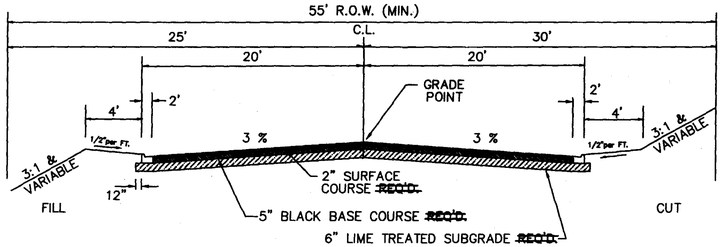
14+54 TO 15+81 (3 LANE)
TRANSITION
16+71 TO 17+10 (2 LANE)
TRANSITION
18+00



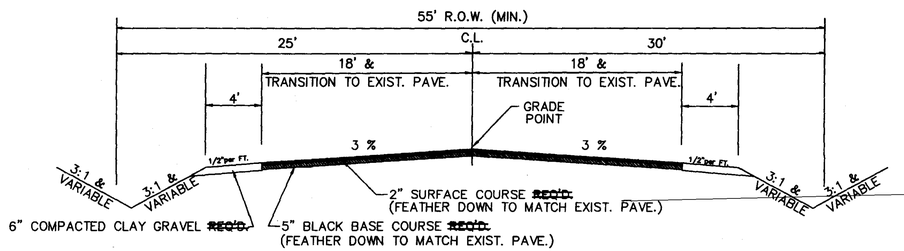
STA. 10+92.91 THRU 14+54.38
SCHOOL STREET 5 LANE
N.T.S.



STA. 11+06.00 THRU 16+22.20
WHEATLEY STREET 2 LANE OVERLAY
N.T.S.

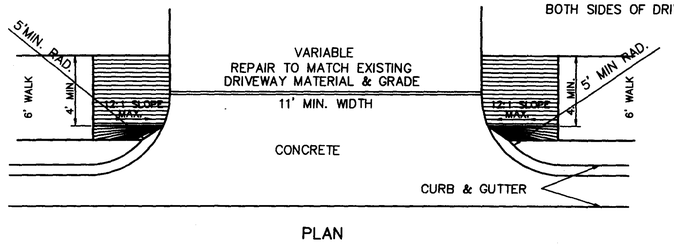


STA. 16+69.56 THRU 23+28
WHEATLEY STREET 3 LANE
N.T.S.

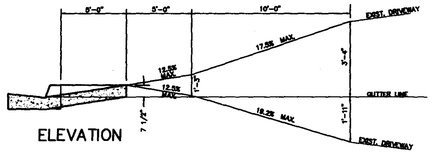


STA. 23+28 THRU 24+58.09
WHEATLEY STREET TRANSITION
N.T.S.

NOTE:
HANDICAP RAMP TYPICAL
BOTH SIDES OF DRIVE

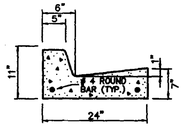


PLAN



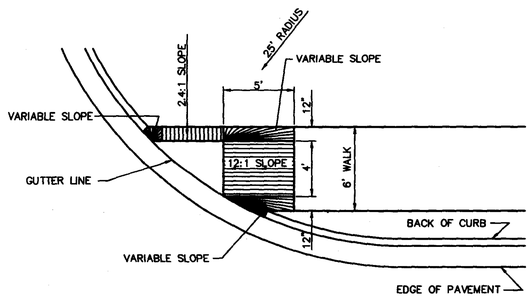
ELEVATION

CONCRETE RAMP DETAIL
N.T.S.



STANDARD CURB &
GUTTER DETAIL
N.T.S.

RECORD DRAWING
FEBRUARY 1997



HANDICAP RAMP
DETAIL
N.T.S.

GENERAL CONSTRUCTION NOTES

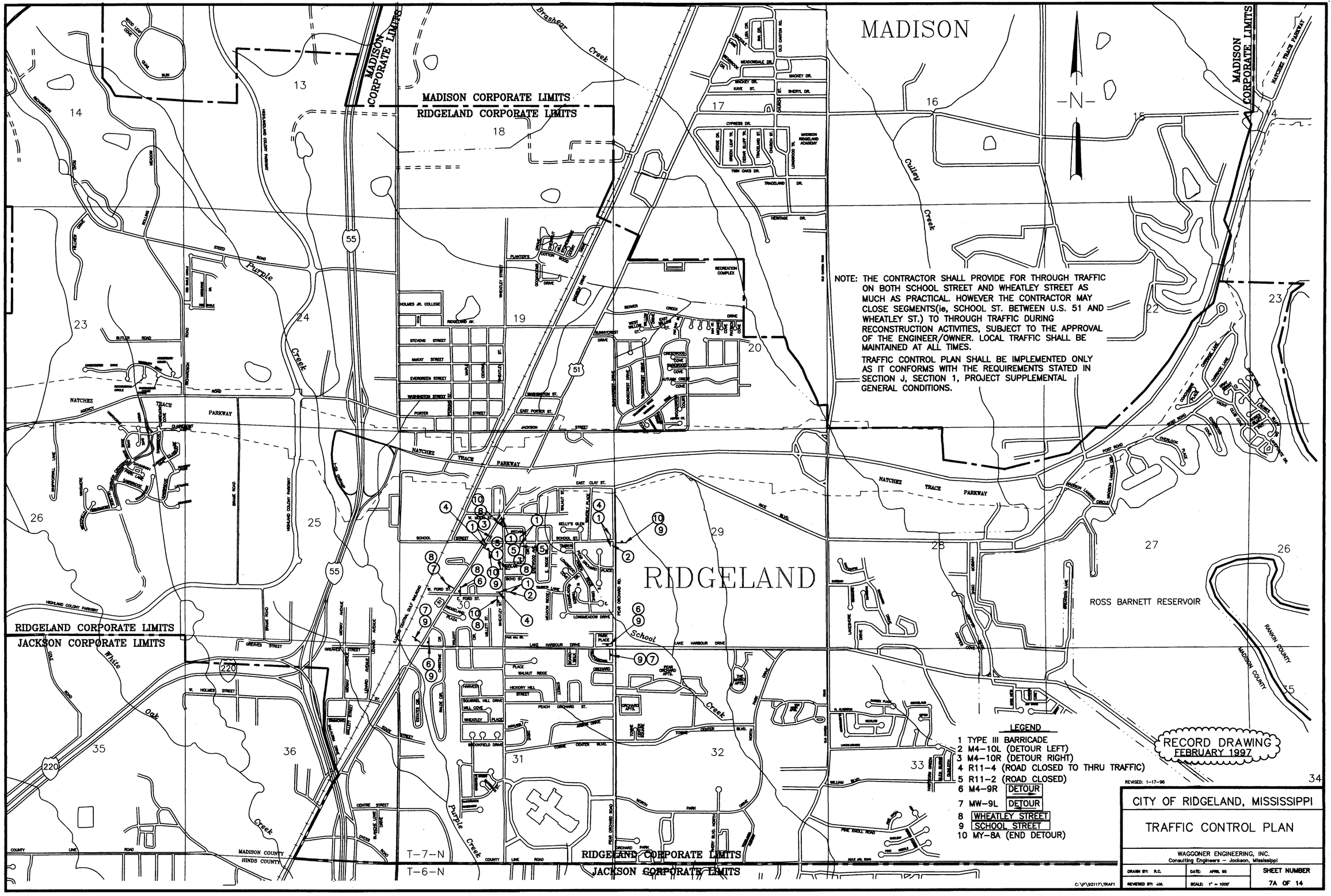
1. The existing utility locations shown on the Drawings are approximate only. The Contractor shall coordinate the location (horizontal and vertical) of existing utilities (power, telephone, gas, water, sewer, etc.) with the appropriate utility company before construction begins.
2. Utility lines or service 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. TBM's which are or may be in conflict with construction activities shall be relocated by Engineer prior to commencement of construction in the immediate area.
7. The Engineer will stake the base line and control points necessary for the required construction staking of the project, one time only. Detailed construction staking will be by Contractor at no cost to the Owner.
8. 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, fencing materials, aggregates, seed and other items as specified by the Engineer. All testing shall be an absorbed cost item.
9. Sanitary sewer, storm sewer and water main reach lengths may be varied during construction of project to conform to normal pipe joint lengths.
10. Existing sanitary manhole tops, water valves, valve 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.
11. 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.
12. Existing fences shall be removed and replaced with the same type material as used for the original. Unless otherwise stated on the Bid Form, fence removal/replacement shall be an absorbed cost item.
13. Traffic signs or delineators 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 traffic signs and delineators shall be as specified on the Bid Form.
    The reflective sheeting material used for construction of STOP signs shall be "Diamond Back" as manufactured by the 3-M Company.
14. Traffic Control Plan shall be implemented only as it conforms with the requirements stated in Section J, Section 1, Project Supplemtal General Conditions.
15. Cut zones for sanitary sewer or water mains,where applicable, shall be measured from the original ground profile or proposed grade, whichever is less.
16. Asphalt surface course(s) shall be placed a minimum of six (6) months after the asphalt base course(s) have been installed.

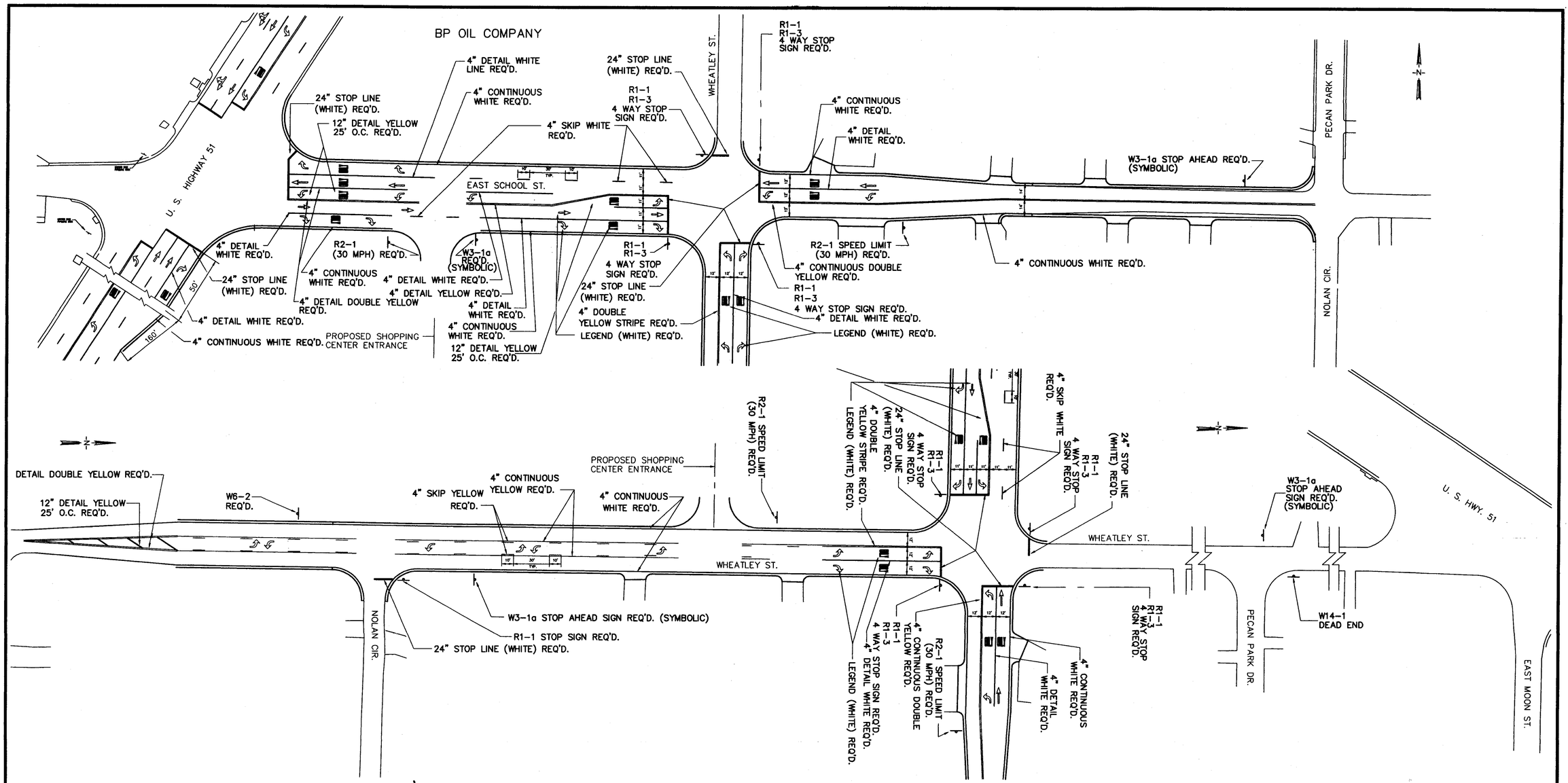
REVISED 1-16-96
REVISED 1-20-95

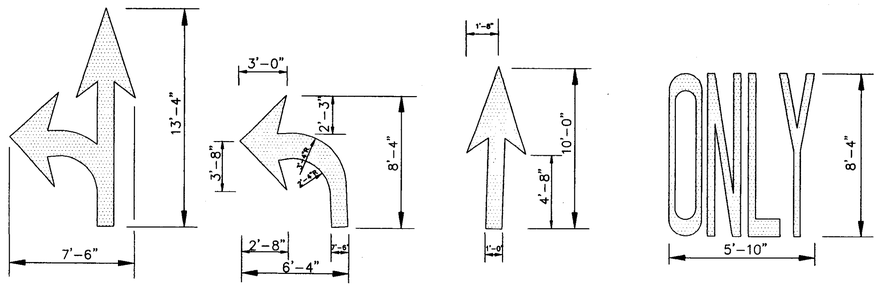
CITY OF RIDGELAND, MISSISSIPPI
TYPICAL STREET SECTIONS
EAST SCHOOL STREET / WHEATLEY STREET RECONSTRUCTION
WAGGONER ENGINEERING, INC.
Consulting Engineers – Jackson, Mississippi

DRAWN BY: J.W.P. & R.C.	DATE: APRIL 95	SHEET NUMBER
REVIEWED BY:	SCALE: AS SHOWN	7 OF 14

C:92117\TYPSEC2


MADISON
RIDGELAND
MADISON CORPORATE LIMITS
RIDGELAND CORPORATE LIMITS
JACKSON CORPORATE LIMITS
MADISON CORPORATE LIMITS
RIDGELAND CORPORATE LIMITS
JACKSON CORPORATE LIMITS
Brashier Creek
Purple Creek
Culley Creek
White Oak Creek
ROSS BARNETT RESERVOIR
RANKIN COUNTY
MADISON COUNTY
HINDS COUNTY
NATCHEZ TRACE PARKWAY
T-7-N
T-6-N
NOTE: THE CONTRACTOR SHALL PROVIDE FOR THROUGH TRAFFIC ON BOTH SCHOOL STREET AND WHEATLEY STREET AS MUCH AS PRACTICAL. HOWEVER THE CONTRACTOR MAY CLOSE SEGMENTS(ie, SCHOOL ST. BETWEEN U.S. 51 AND WHEATLEY ST.) TO THROUGH TRAFFIC DURING RECONSTRUCTION ACTIVITIES, SUBJECT TO THE APPROVAL OF THE ENGINEER/OWNER. LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
TRAFFIC CONTROL PLAN SHALL BE IMPLEMENTED ONLY AS IT CONFORMS WITH THE REQUIREMENTS STATED IN SECTION J, SECTION 1, PROJECT SUPPLEMENTAL GENERAL CONDITIONS.
LEGEND
1 TYPE III BARRICADE
2 M4-10L (DETOUR LEFT)
3 M4-10R (DETOUR RIGHT)
4 R11-4 (ROAD CLOSED TO THRU TRAFFIC)
5 R11-2 (ROAD CLOSED)
6 M4-9R DETOUR
7 MW-9L DETOUR
8 WHEATLEY STREET
9 SCHOOL STREET
10 MY-8A (END DETOUR)
RECORD DRAWING
FEBRUARY 1997
REVISED: 1-17-96
CITY OF RIDGELAND, MISSISSIPPI
TRAFFIC CONTROL PLAN
WAGGONER ENGINEERING, INC.
Consulting Engineers – Jackson, Mississippi
DRAWN BY: R.C.
DATE: APRIL 95
SCALE: 1" = 1000'
REVIEWED BY: J.M.
SHEET NUMBER
7A OF 14
C:\P\92117\TRAF1





LEGEND DETAILS

NOTES

1. ALL TEMPORARY CENTERLINE, LEGENDS AND STOP LINES ARE TO BE PAINT MEETING THE MINIMUM REQUIREMENTS AS SPECIFIED IN THE MISS. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1990 EDITION. NO EDGE STRIPE REQUIRED FOR THE TEMPORARY PHASE.
2. ALL PERMANENT EDGE AND CENTERLINE STRIPING TO BE THERMOPLASTIC MEETING THE MINIMUM REQUIREMENTS AS SPECIFIED IN THE MISS. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1990 EDITION.
3. ALL PERMANENT "LEGENDS" AND STOP LINES ARE TO BE 3M STAMARK OR APPROVED EQUAL.
4. ALL TRAFFIC CONTROL REGULATORY AND WARNING SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MOST RECENTLY PUBLISHED MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. ALL R1-1 (STOP) SIGNS ARE TO HAVE A DIAMOND GRADE FINISH.
   ALL OTHER REGULATORY SIGNS ARE TO HAVE ENCAPSULATED LENS (HIGH INTENSITY) SHEETING AS SPECIFIED IN THE MISS. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. ALL PERMANENT TRAFFIC SIGNING SHALL BE PLACED PRIOR TO AND DURING THE PLACEMENT OF THE TEMPORARY STRIPING.

RECORD DRAWING
FEBRUARY 1997

REVISED: 7-23-97
REVISED: 1-16-96
REVISED: 2-17-95

CITY OF RIDGELAND

SCHOOL STREET IMPROVEMENTS

STRIPING PLAN

WAGGONER ENGINEERING, INC.
Consulting Engineers – Jackson, Mississippi

DRAWN BY: J.W.P.	DATE: APRIL 95	SHEET NUMBER
REVIEWED BY: B.W.	SCALE: 1" = 40'	8 OF 14

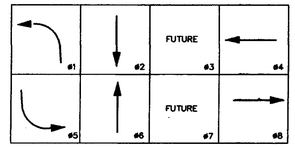
92117\STRIPE2(1)

C:\P\92117\STRIPE2 Wed Jul 23 11:39:53 1997
HP DesignJet 755CM 755#1.HPC Hewlett-Packard HP-GL/2 devices v3.1, ADI 4.2 -by HP

DETECTOR ASSIGNMENT SUMMARY							
DETECTOR NUMBER	LOOP SIZE	PEDESTRIAN PUSH BUTTON	PHASE CALLED	DELAY TIME (SEC.)	PRESENCE MODE	PULSE MODE	COMMENTS
2A,2B	6'x 6'		6			X	EXIST.1,7 SEC. WIRED IN SERIES TO SAME CHANNEL
2C	6'x 50'		1		X		10.0 SEC. DELAY
4A	6'x 50'		4		X		
4B	6'x 60'		4		X		
6A	6'x 50'		5		X		10.0 SEC. DELAY
6B,6C	6'x 6'		2			X	EXIST.1,7 SEC. WIRED IN SERIES TO SAME CHANNEL
8A	6'x 50'		8		X		
8B	6'x 10'		8		X		12.0 SEC. DELAY

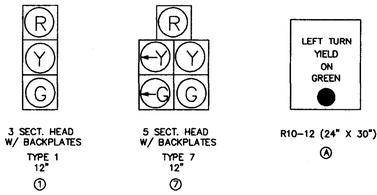
SIGNAL POLE CHART		LOCATION (FROM POLE – FT)		
LOCATION	MAST ARM LENGTH	SIGNAL HEADS	EMERGENCY VEHICLE DETECTOR	SIGNS
SE QUADRANT	35'	0', 22', 33'	34'	15'
NE QUADRANT	50'	0', 22', 37', 47'	29.5'	18', 47'
SW QUADRANT	36'	25.5', 35.5'		31'

SIGNAL PHASE DIAGRAM



FLASHING OPERATION: #2, #6 – TO FLASH YELLOW
#4, #8 – TO FLASH RED

SIGNAL HEADS & SIGNS



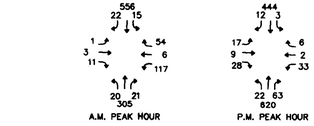
LEGEND

	CONTROLLER AND CABINET
	TYPE 1 PULLBOX
	TYPE 2 PULLBOX
	LUMINARE
	NEW MAST ARM POLE
	NEW PEDESTAL POLE
O OR □	EXISTING UTILITY POLE
	TRAFFIC SIGNAL HEAD w/BACKPLATE
	NEW PEDESTRIAN SIGNAL
OR	OVERHEAD SIGN / STREET NAME SIGN
OR	VEHICLE LOOP DETECTOR
P.B.	PEDESTRIAN PUSHBUTTON
5/c	5 CONDUCTOR SIGNAL CABLE – AWG #14
7/c	7 CONDUCTOR SIGNAL CABLE – AWG #14
S.C.	SHIELDED CABLE (2 CONDUCTOR – AWG #14)
POW	POWER CABLE (1 CONDUCTOR – AWG #6)
LUM	STREET LIGHT CABLE AWG (1 CONDUCTOR – AWG #10)
	CONDUIT RUN
	CONDUIT RUN (JACKED)
	GUY ANCHOR
	EMERGENCY VEHICLE DETECTOR
E.C.	EMERGENCY VEHICLE CABLE (3 CONDUCTOR AWG #20)

TRAFFIC SIGNAL INSTALLATION
GENERAL NOTES

1. THE PLAN LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY ALL THE UTILITY COMPANIES PRIOR TO ANY EXCAVATION ON THE PROJECT, IN ORDER TO ESTABLISH EXACT LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING INDEPENDENT INVESTIGATIONS, AS NECESSARY, TO VERIFY ALL UTILITY LOCATIONS AT NO COST TO THE OWNER.
2. ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (1988) EDITION AND ALL SUBSEQUENT REVISIONS.
3. ALL RAISED OBJECTS ARE TO BE PLACED A MINIMUM OF 2' BEHIND THE FACE OF CURB. NEW TRAFFIC SIGNAL POLES ARE TO BE PLACED A MINIMUM OF 5' BEHIND THE FACE OF CURB OR EDGE OF PAVEMENT, EXCEPT WHERE CONFLICTS WITH UTILITIES AND / OR RIGHTS-OF-WAY EXISTS.
4. ALL POLES, PULLBOXES, CONTROLLERS AND PAVEMENT MARKINGS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE PLAN SHEETS.
5. THE SIGNAL CONTROLLER TIMINGS SHALL BE PROVIDED BY THE ENGINEER.
6. THE CONTRACTOR SHALL MAKE APPLICATION FOR POWER SERVICE, COORDINATING WITH CITY OFFICIALS AND UTILITY COMPANY INVOLVED, IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICE.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING TRAFFIC SIGNALS AND / OR SIGNS. ANY MODIFICATIONS REQUIRED TO THESE DEVICES SHALL BE PERFORMED BY THE CONTRACTOR.
8. THE COST FOR REMOVING EXIST. LOOPS TO BE ABSORBED IN OTHER ITEMS BID.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING TRAFFIC SIGNALS AND/OR SIGNS. COST TO BE INCLUDED IN OTHER ITEMS BID. CONTRACTOR IS RESPONSIBLE FOR MAINT. OF ALL TRAFFIC IN THE PROJECT, ONCE WORK HAS BEGUN.
10. EMERGENCY VEHICLE DETECTOR IN THE SE QUADRANT MUST FACE EAST.
11. RELOCATE STREET SIGNS FROM THE EXISTING SIGNALS IN THE SE QUADRANT AND NE QUADRANT TO THE NEW LOCATIONS INDICATED ON THE PLAN SHEETS.
12. RELOCATE TYPE 1 SIGNAL HEADS FROM THE EXISTING POLES (NOT TO INCLUDE THE MAST ARMS) IN THE SE QUADRANT AND NE QUADRANT TO THE NEW SIGNAL POLES INDICATED ON THE PLAN SHEETS.
13. CONTRACTOR SHALL UTILIZE EXISTING EQUIPMENT IN CONTROLLER CABINET FOR THE INSTALLATION OF ALL NEW MATERIALS.
14. SALVAGE ALL POLES AND SIGNS.

TURNING MOVEMENT COUNTS
1985



RECORD DRAWING
FEBRUARY 1997

REVISED: 7-23-97
REVISED: 1-17-96
REVISED: 3-20-95

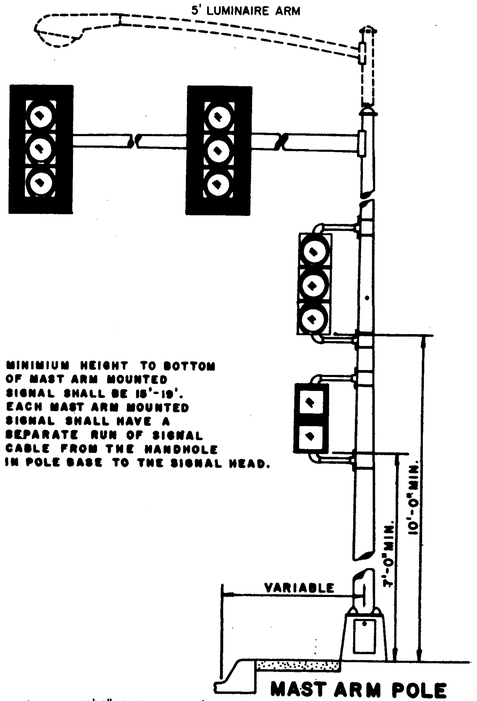
SIGNALIZATION
SCHOOL ST. @ U.S. HWY. 51
RIDGELAND, MISSISSIPPI

WAGGONER ENGINEERING, INC.
Consulting Engineers – Jackson, Mississippi

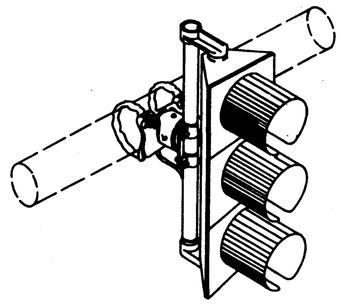
DRAWN BY:	DATE: APRIL 95	SHEET NUMBER
REVIEWED BY:	SCALE: 1" = 20'	9 OF 14

\92117\SIG1

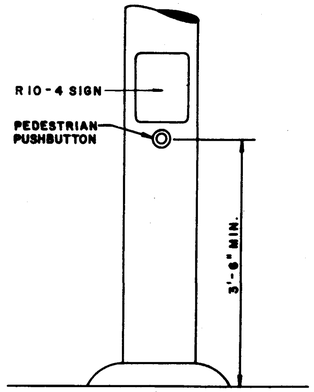
C:\PW92117\SIG1 Wed Jul 23 10:56:21 1997
HP DesignJet 755CM 755#1.HPC Hewlett-Packard HP-GL/2 devices v3.1, ADI 4.2 -by HP



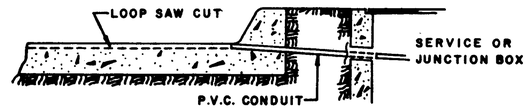
MAST ARM POLE



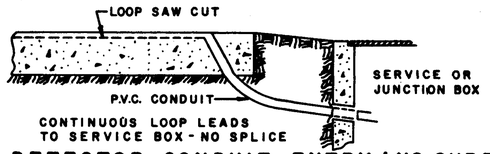
MAST ARM MOUNTING BRACKET



PEDESTRIAN PUSHBUTTON



DETECTOR CONDUIT ENTRY (CURB)



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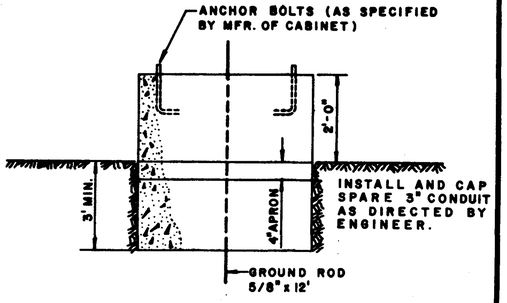
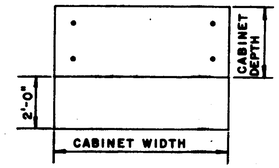
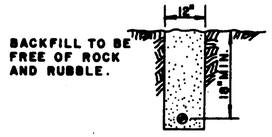
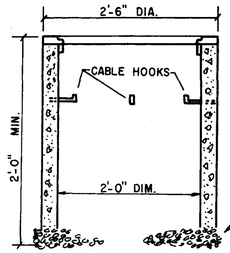




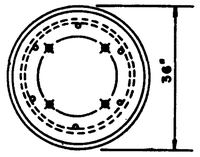
CONTROLLER PAD



TRENCHING IN UNPAVED AREAS



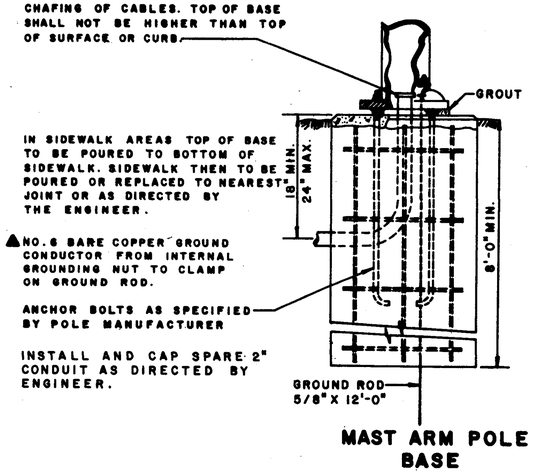
PRE-CAST CONCRETE ⚠ SERVICE BOX



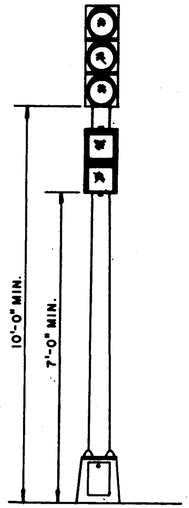
CAST IRON RING AND COVER, 80 LB. MIN. RAISED LETTERS ON CAST IRON COVER TO READ "SIGNAL"

UNLESS OTHERWISE NOTED ON THE PLANS, THE SERVICE BOX MAY ALSO BE POURED IN PLACE WITH 6" PORTLAND CEMENT WALLS.

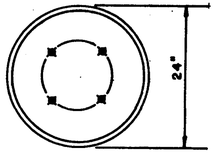
CONDUIT EXTENSIONS ABOVE BASE SHALL HAVE A PLASTIC OR METAL RIM BUSHING TO PREVENT THE CHAFING OF CABLES. TOP OF BASE SHALL NOT BE HIGHER THAN TOP OF SURFACE OR CURB.

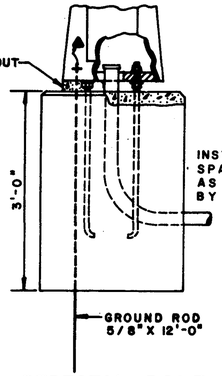


MAST ARM POLE BASE

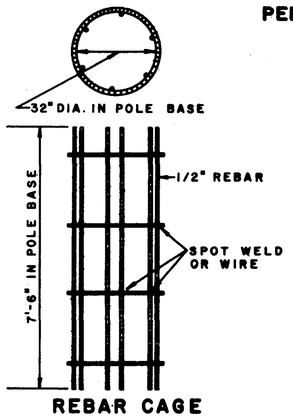


PEDESTAL POLE

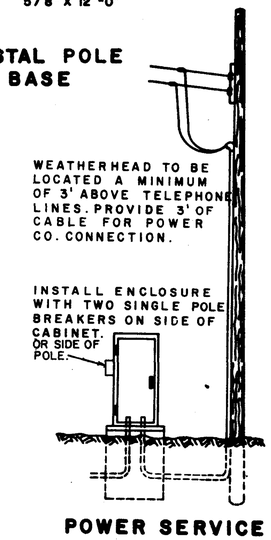




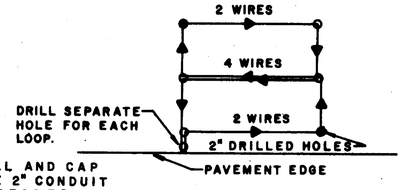
PEDESTAL POLE BASE



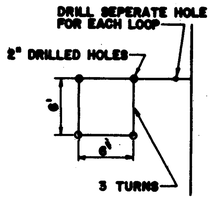
REBAR CAGE



POWER SERVICE

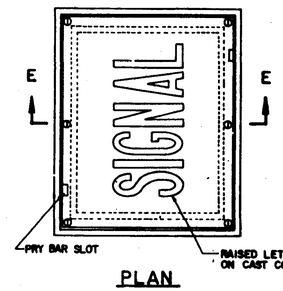


QUADRAPOLE LOOP

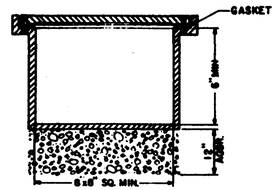


DETECTOR LOOP

SLOTS IN PAVEMENT FOR LOOPS TO BE CUT A MINIMUM OF 3/8" WIDE AND 1-1/2" TO 2" DEEP. SLOTS TO BE FILLED WITH LOOP SEALANT MATERIAL APPROVED BY THE ENGINEER. THE CONNECTION OF THE LOOP WIRE WITH THE FEEDER CABLE SHALL BE MADE WITH A SOLDERED "WESTERN UNION" TYPE SPLICE, WRAPPED WITH WATERPROOF TAPE AND COATED WITH A WATER-TIGHT PROTECTIVE COVERING. FEEDER CABLE AND LOOP WIRE SHALL BE OF CONTINOUS RUN WITH NO SPLICES.



PLAN



SECTION E

JUNCTION BOX MATERIAL SPECIFICATIONS

Cast Iron, ASTM A-48, hot dipped galvanized ASTM A-153;
Cast Aluminum, ASTM B-108-62T, 3670-T6;
Welded Aluminum, Alcoa 6061-T6;

JUNCTION BOX

MINIMUM HAND HOLE OPENING SHALL BE 144 SQ. IN.

NOTES:

THE ENGINEER IN CHARGE OF CONSTRUCTION SHALL STAKE ALL LOCATIONS FOR TRAFFIC SIGNAL POLES AND PEDESTALS TO BE INSTALLED. FINAL POSITIONS AND POINTING OF SIGNAL FACES TO BE DETERMINED IN THE FIELD.

TRAFFIC SIGNAL HEADS SHALL REMAIN COVERED DURING CONSTRUCTION UNTIL THE ENTIRE INSTALLATION IS IN PLACE AND IN OPERATION.

ALL WIRING INSTALLED SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES AND REQUIREMENTS.

THE POWER COMPANY SHOULD BE NOTIFIED IN ADVANCE AS TO WHEN THE SIGNAL SYSTEM NEED BE ENERGIZED.

THE TRAFFIC SIGNAL SYSTEM SHALL BE COMPLETE AND THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT NECESSARY FOR THE SATISFACTORY OPERATION OF ELECTRICAL APPARATUS AND FOR THE COMPLETE OPERATION OF THE TRAFFIC SIGNAL SYSTEM WHETHER SPECIFICALLY MENTIONED OR NOT.

RECORD DRAWING
FEBRUARY 1997

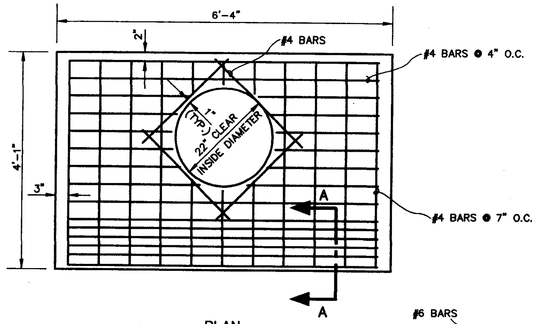
CITY OF RIDGELAND

TRAFFIC SIGNAL INSTALLATION

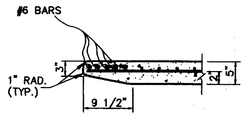
DETAIL SHEET

WAGGONER ENGINEERING CO. INC.
Consulting Engineers — Jackson / Brandon, Ms.

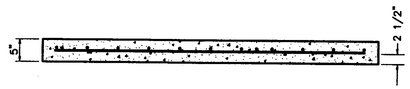
DRAWN BY: T.D.L.	DATE: APRIL '95	SHEET NO.
CHECKED BY: M.L.	SCALE: 1" = 20'	13 OF 14
APPROVED BY: J.A.W.		



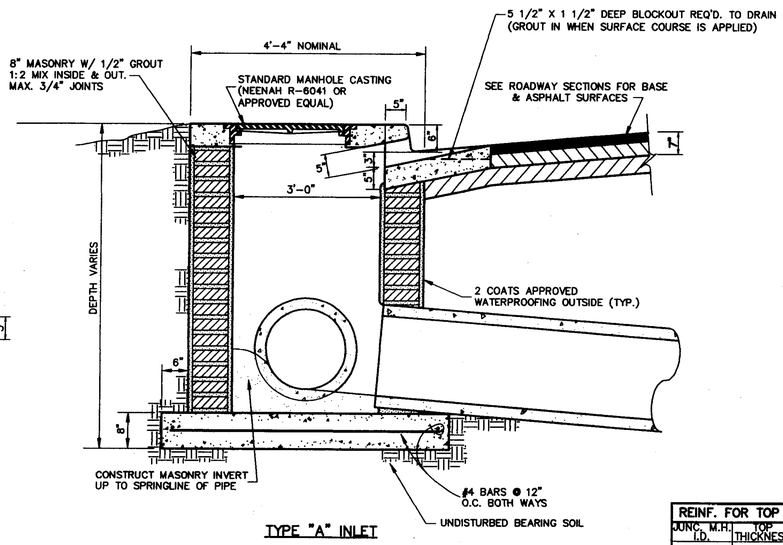
PLAN



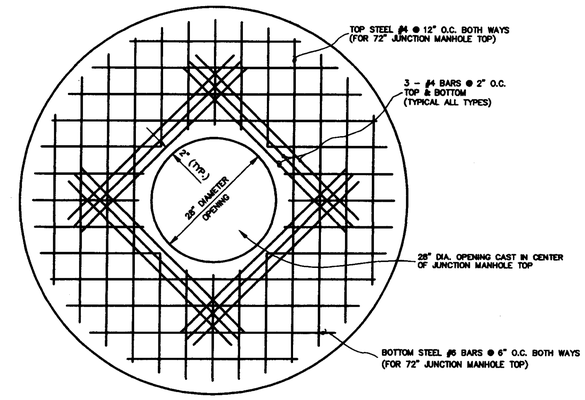
SECTION A-A



ELEVATION
INLET TOP

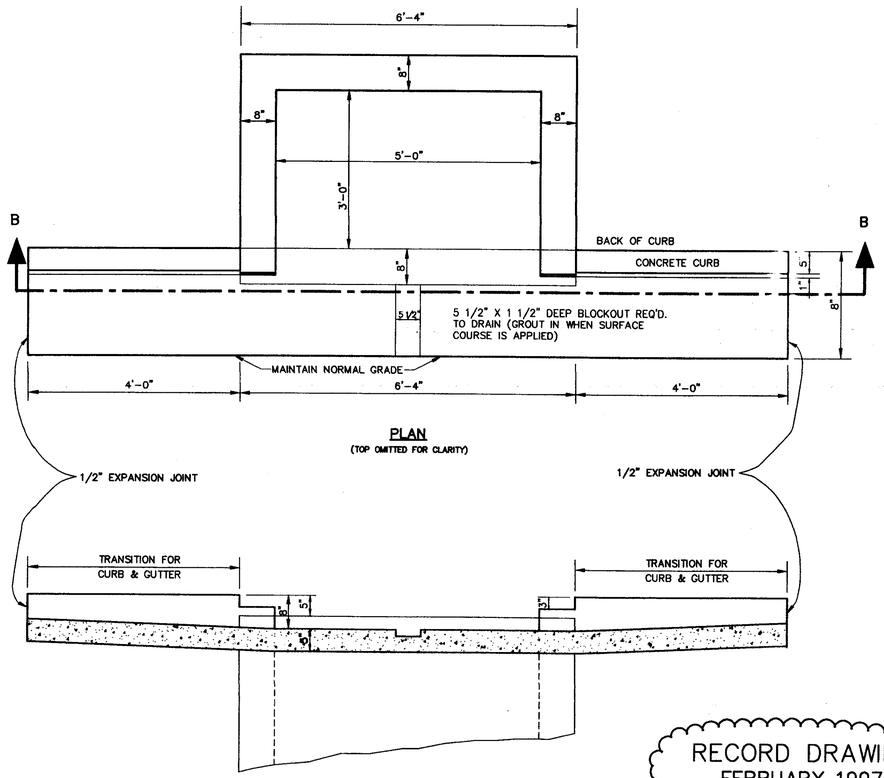


TYPE "A" INLET



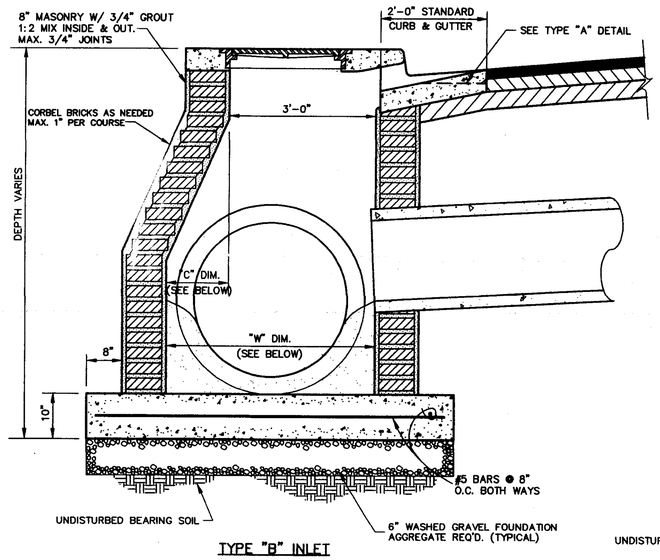
TYPICAL
JUNCTION MANHOLE
TOP
(REINFORCING FOR 72" JUNCTION MANHOLE TOP SHOWN)

REINF. FOR TOP (ALL REINF. BOTH WAYS)			
JUNC. M.H. I.D.	TOP THICKNESS	TOP STEEL	BOTTOM STEEL
72"	8"	#4 @ 12" O.C.	#6 @ 6" O.C.
84"	9"	#4 @ 10" O.C.	#6 @ 5" O.C.
96"	10"	#5 @ 8" O.C.	#6 @ 4" O.C.
120"	12"	#6 @ 8" O.C.	#8 @ 4" O.C.

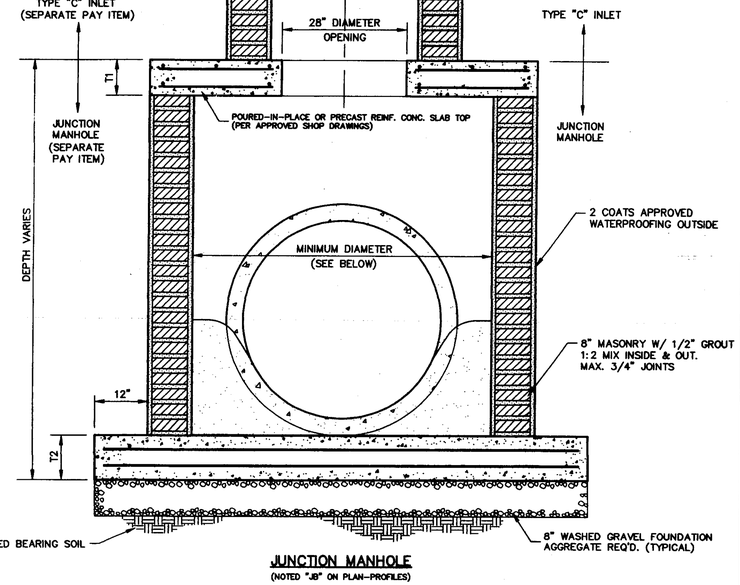


PLAN
(TOP OMITTED FOR CLARITY)

SECTION B-B
CURB INLET



TYPE "B" INLET



JUNCTION MANHOLE
(NOTED "JB" ON PLAN-PROFILES)

DIMENSIONS FOR TYPE "B" INLET				
PIPE I.D.	PIPE O.D.	DIM. "W"	DIM. "C"	MIN. COURSES CORBELLED
24"	33"	37"	4"	4
27"	36"	40"	4"	4
30"	39 1/2"	44"	8"	8
36"	45 1/2"	50"	14"	14

DIMENSIONS FOR JUNCTION MANHOLES					
PIPE I.D.	PIPE O.D.	MIN. M.H. DIA. I.D.	MIN. T1	MIN. T2	REINF. FOR FOUNDATION
42"	52 1/2"	72"	8"	10"	#6 @ 10" O.C.
48"	59 1/2"	72"	8"	10"	#6 @ 10" O.C.
54"	66 1/2"	84"	9"	12"	#6 @ 8" O.C.
60"	76"	84"	9"	12"	#6 @ 8" O.C.
65"x40"	76"	84"	9"	12"	#6 @ 8" O.C.
73"x45"	85"	96"	10"	12"	#6 @ 6" O.C.
88"x54"	102"	120"	12"	16"	#8 @ 6" O.C.

NOTE: ALL REINFORCING BOTH WAYS EACH FACE

\92117\INLET

RECORD DRAWING
FEBRUARY 1997

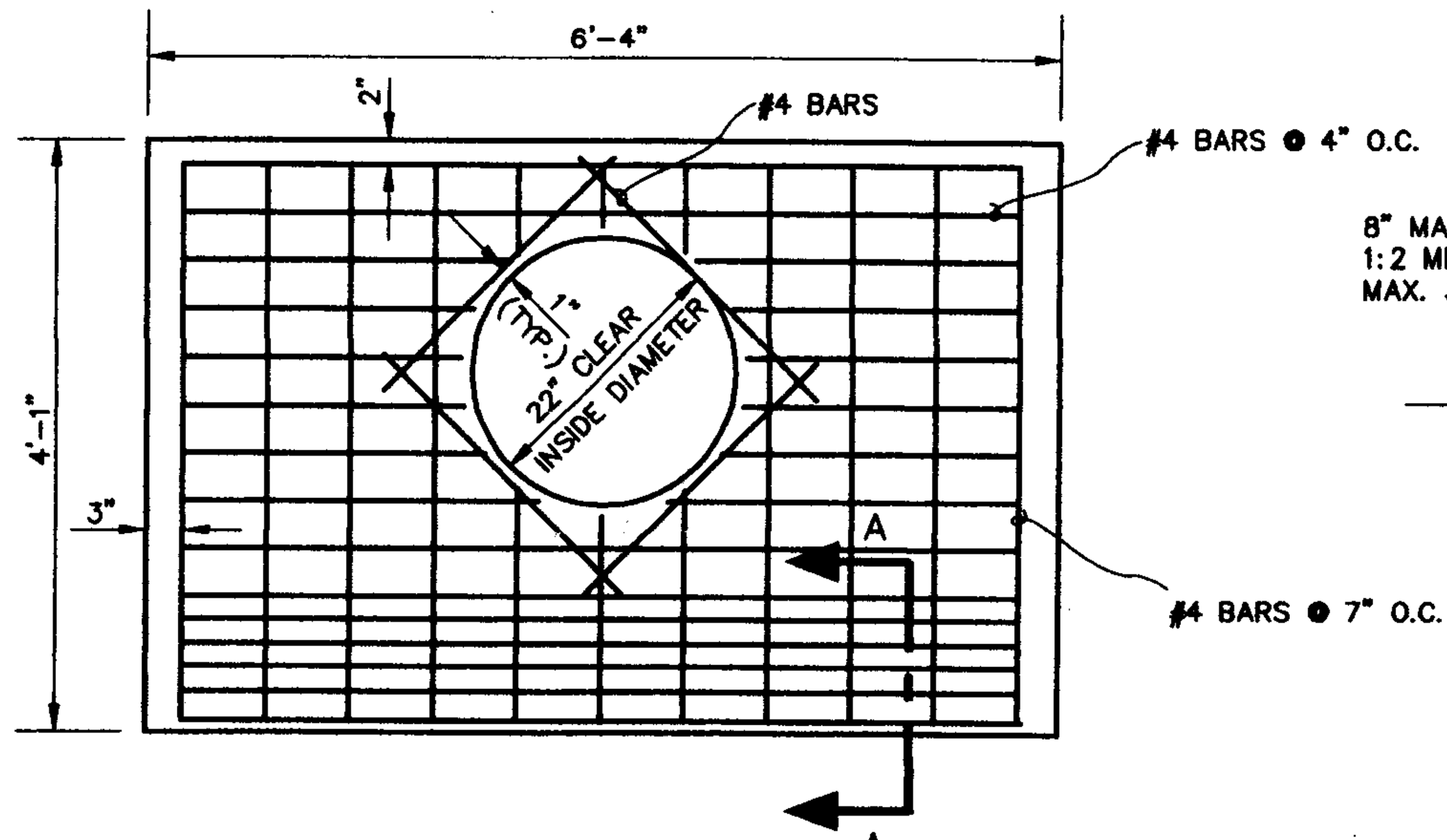
CITY OF RIDGELAND, MISSISSIPPI

INLET DETAILS - STANDARD STORM SEWER

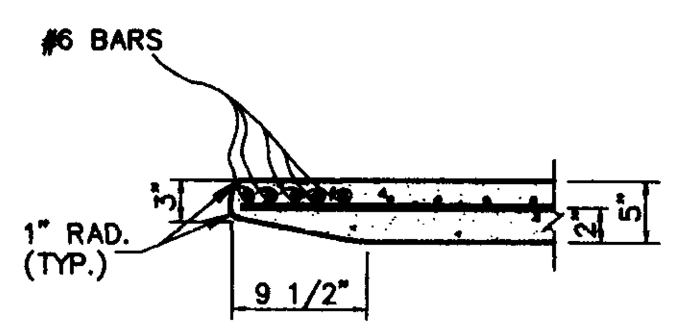
EAST SCHOOL STREET/
WHEATLEY STREET RECONSTRUCTION

WAGGONER ENGINEERING, INC.
Consulting Engineers - Jackson, Mississippi

DRAWN BY: C.R.H.	DATE: APRIL 95	SHEET NUMBER
REVIEWED BY:	SCALE: 3/4"=1'-0"	11 OF 14

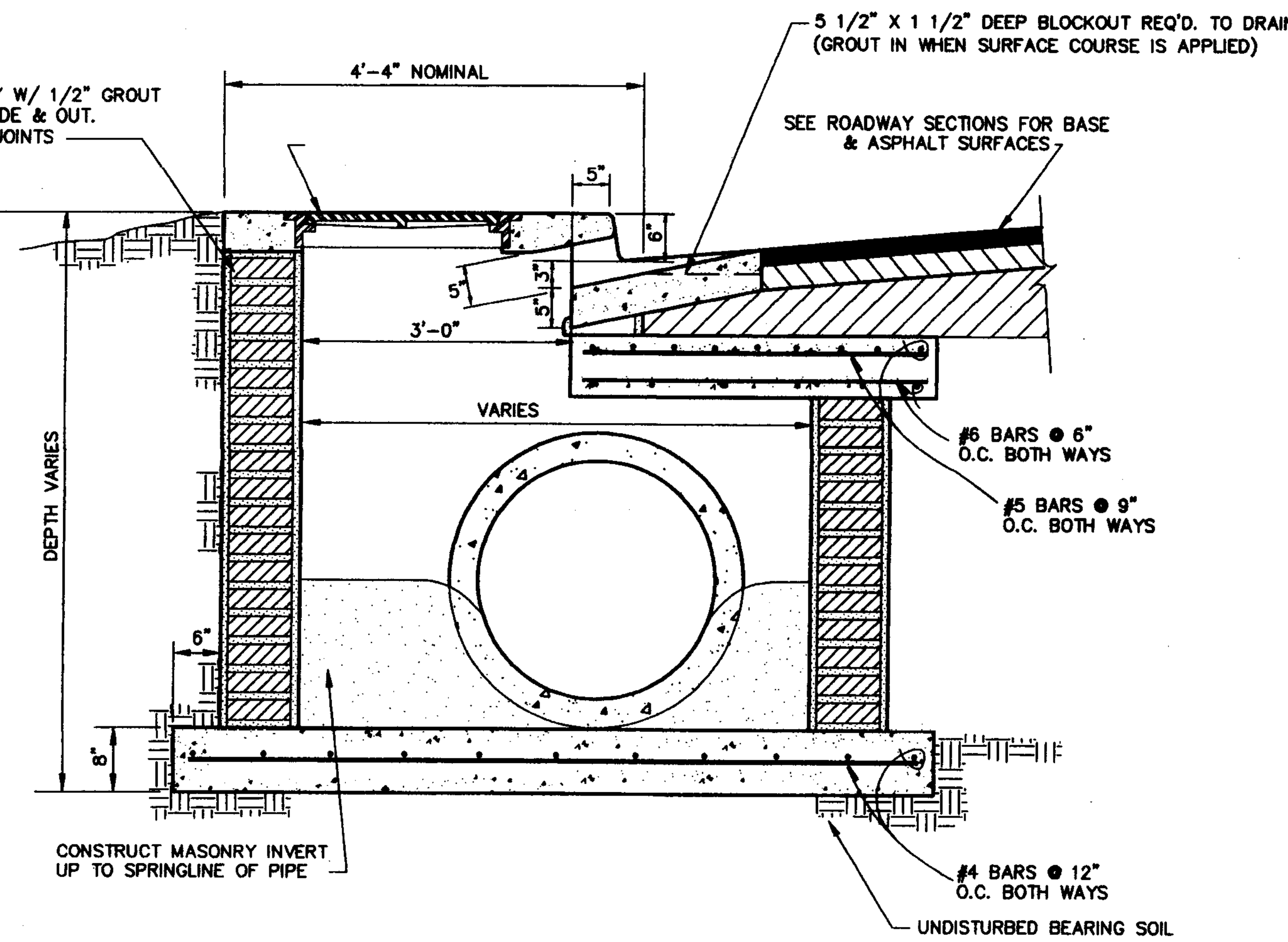


PLAN

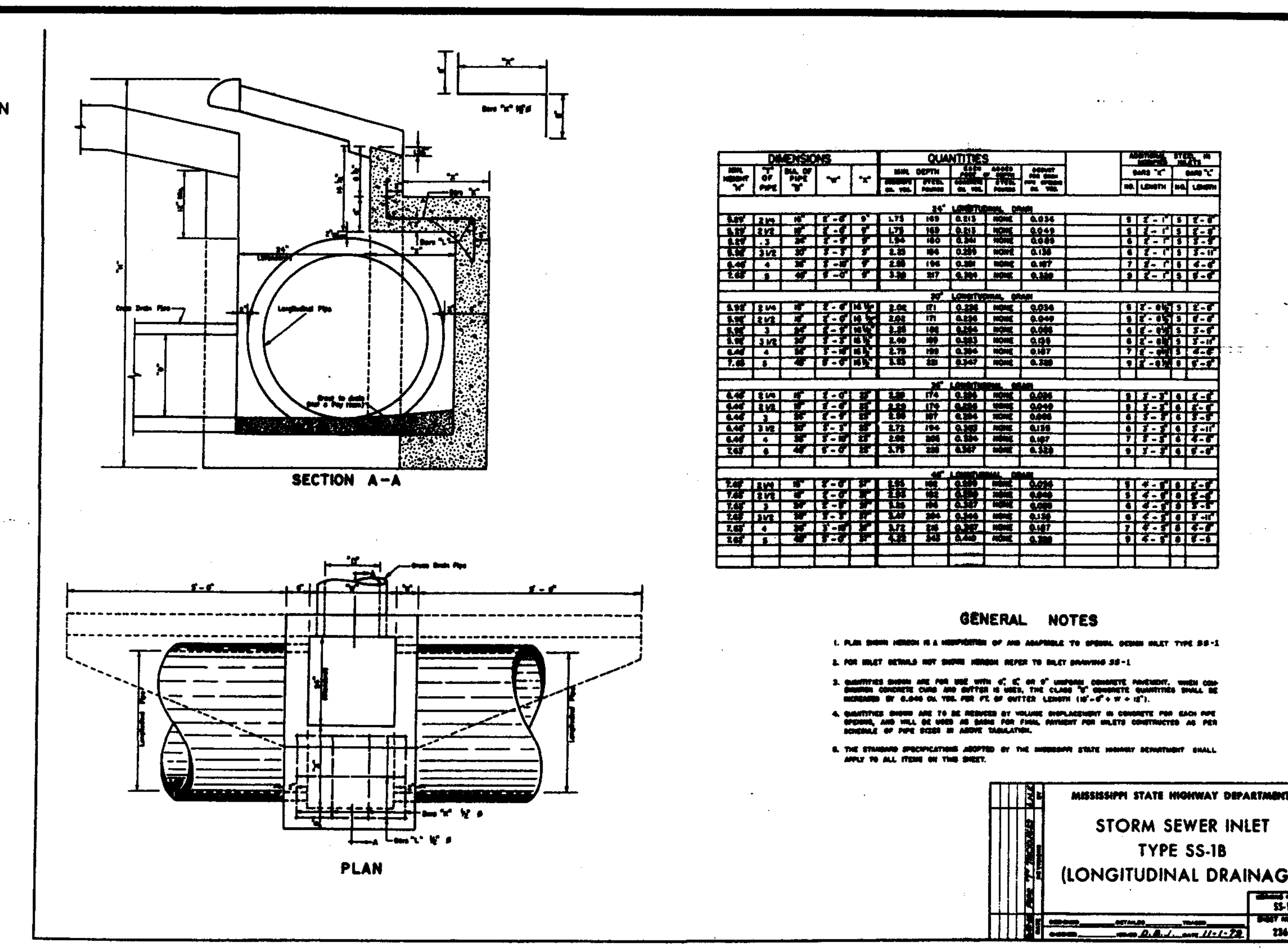


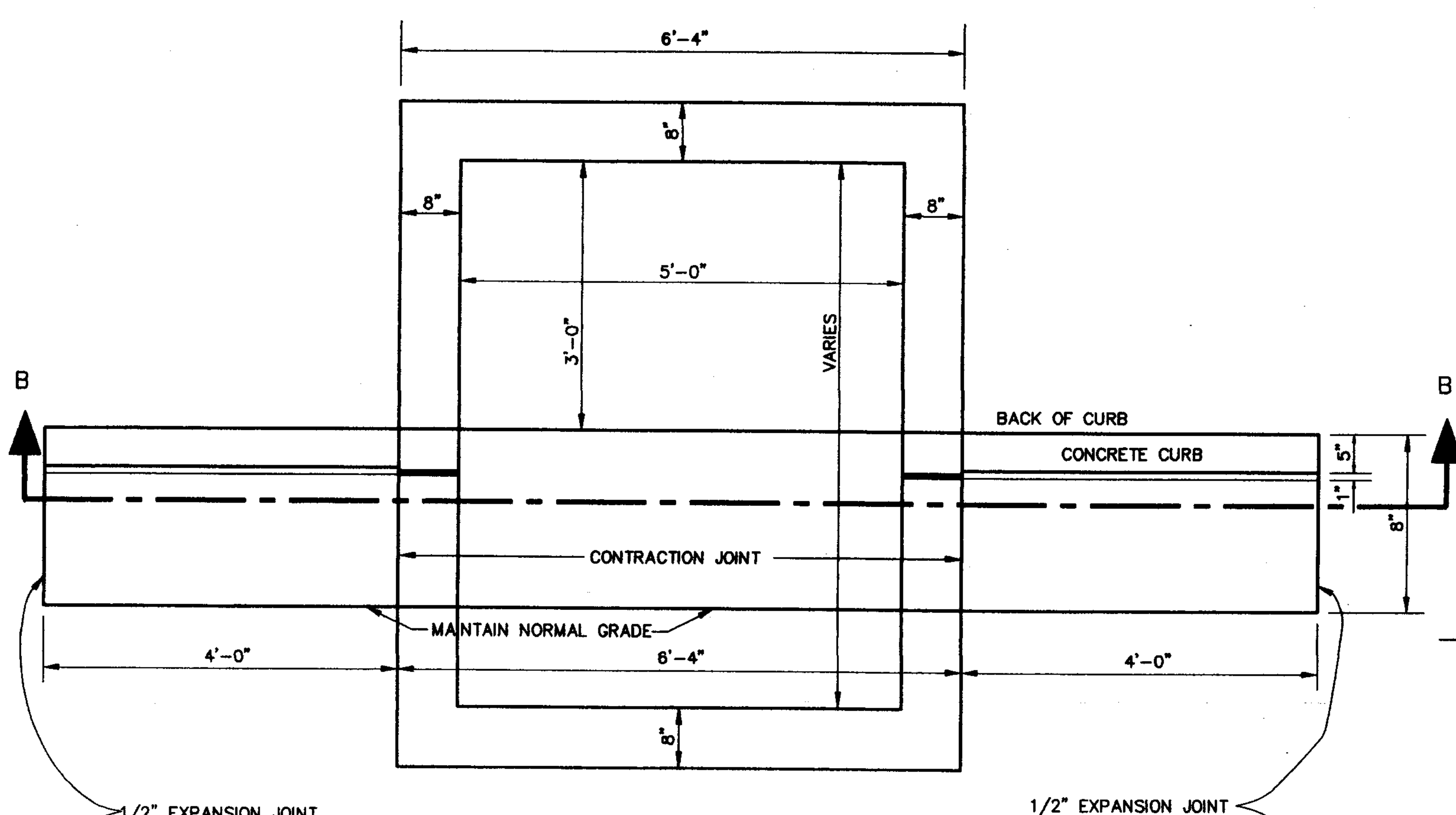
SECTION A-A

ELEVATION
INLET TOP

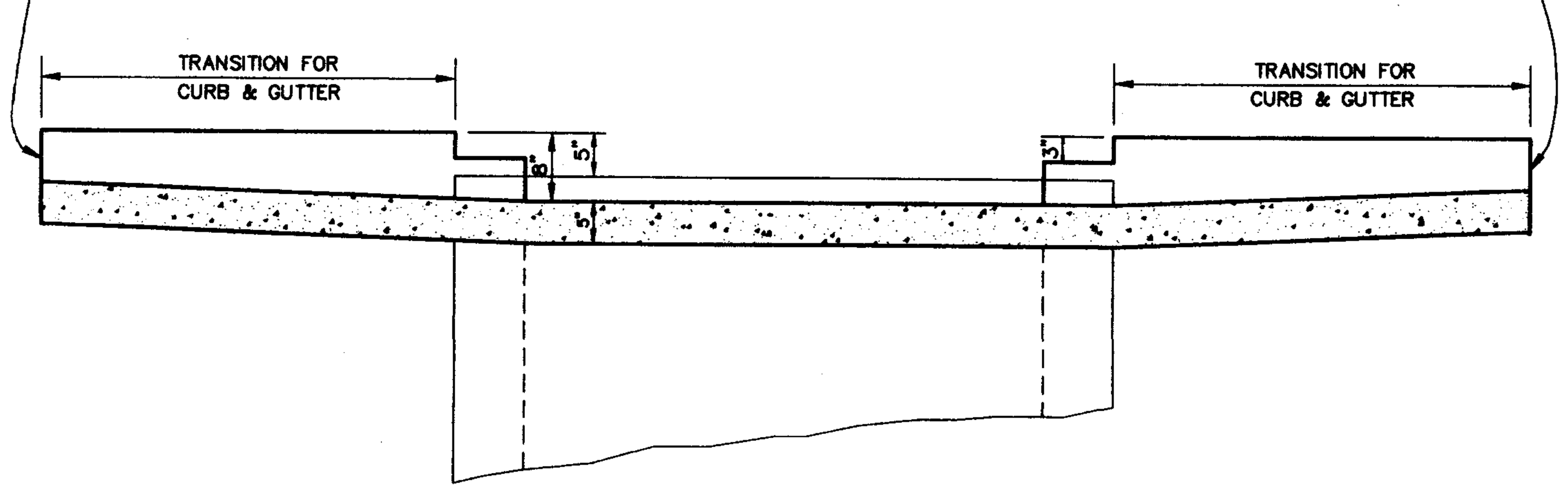


TYPE "A" MODIFIED INLET

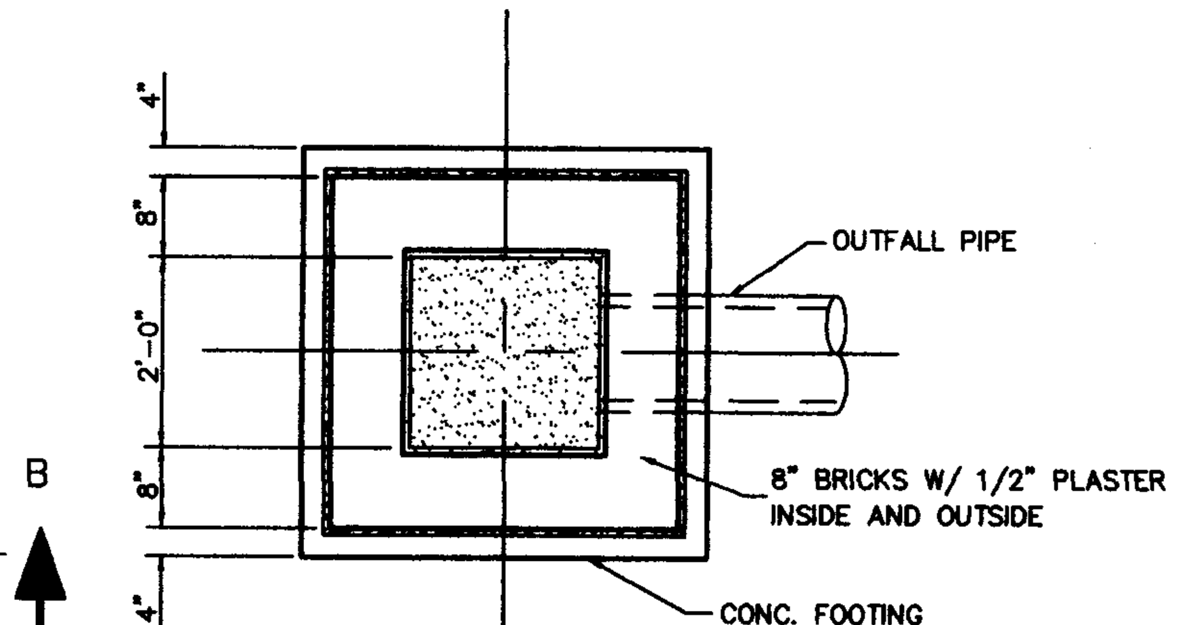




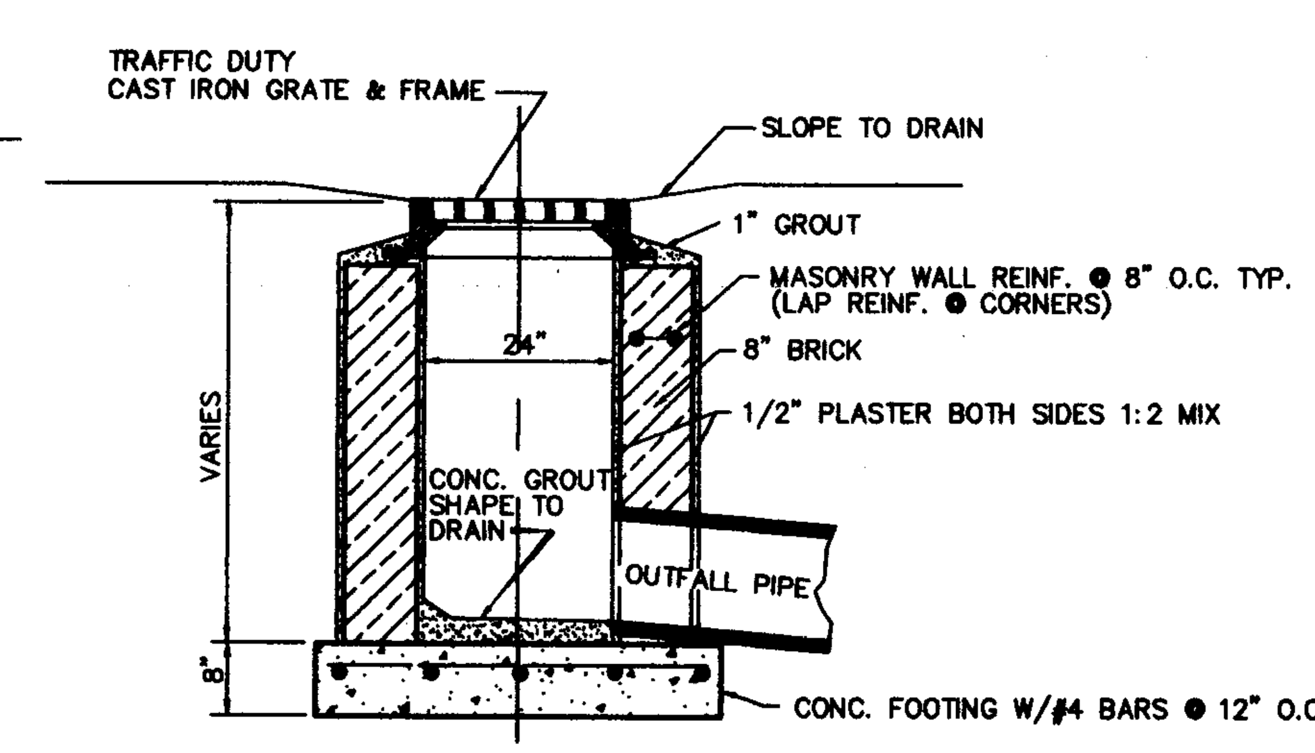
PLAN
(TOP OMITTED FOR CLARITY)



SECTION B-B
CURB INLET

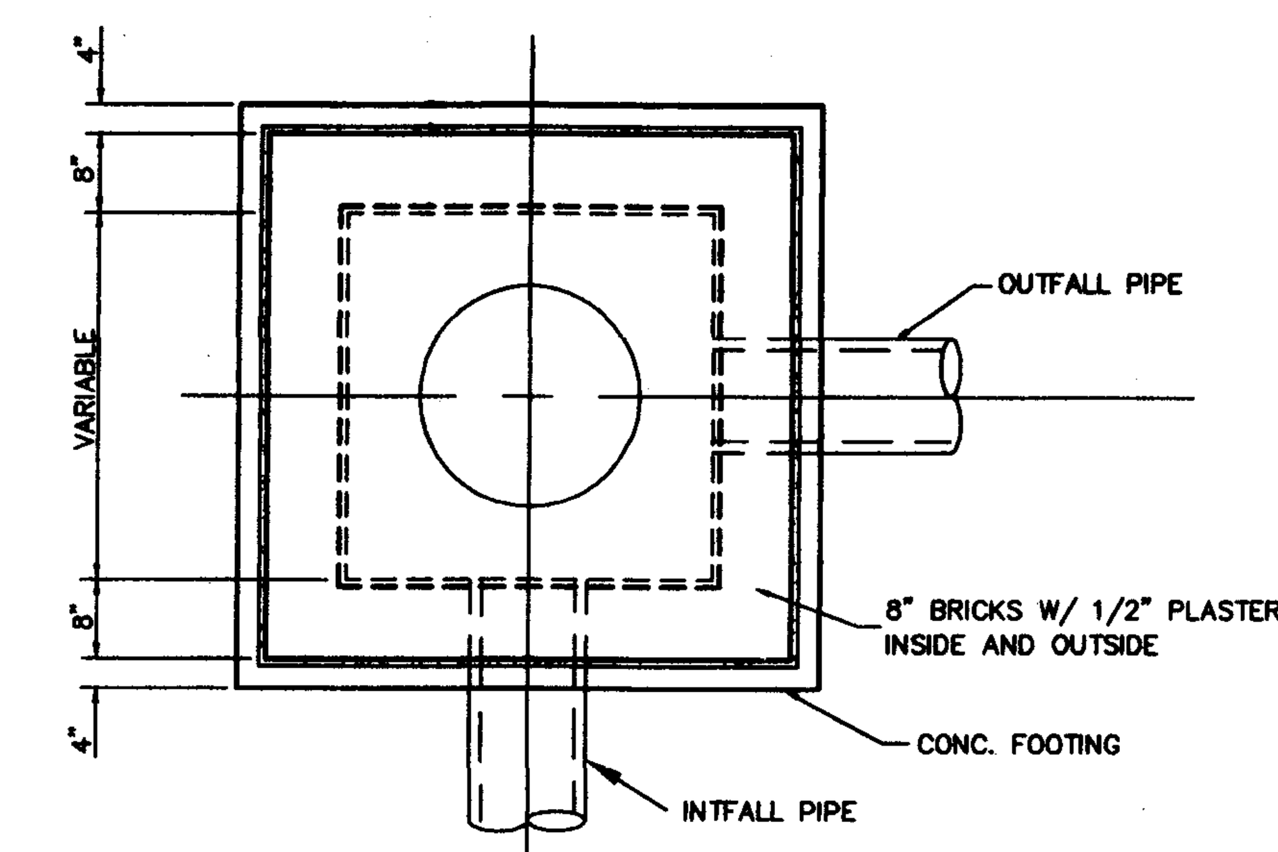


PLAN

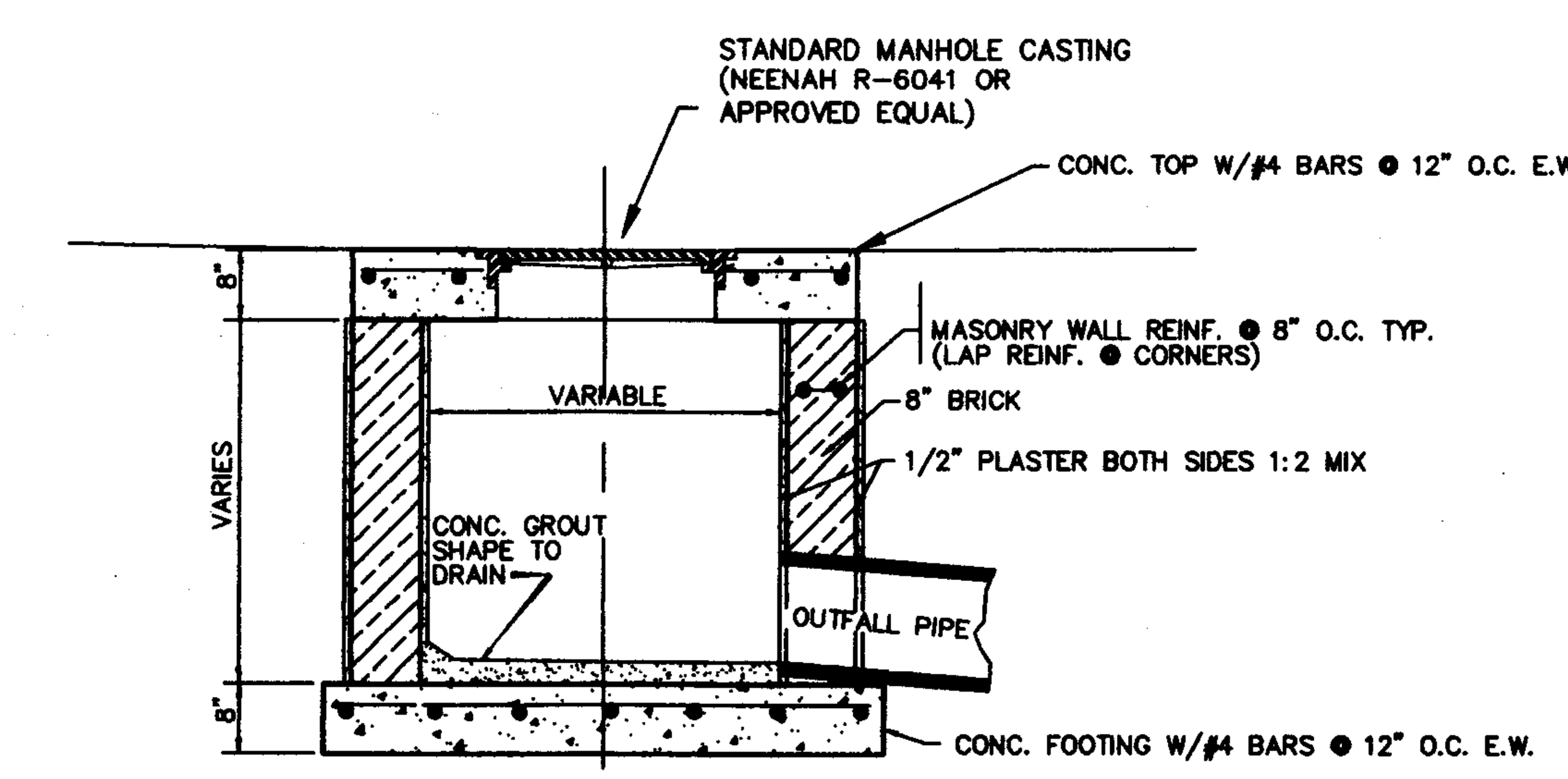


ELEVATION

GRATE INLET DETAIL
N.T.S.



PLAN



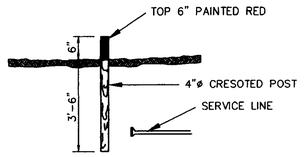
ELEVATION

JUNCTION BOX DETAIL
N.T.S.

RECORD DRAWING
FEBRUARY 1997

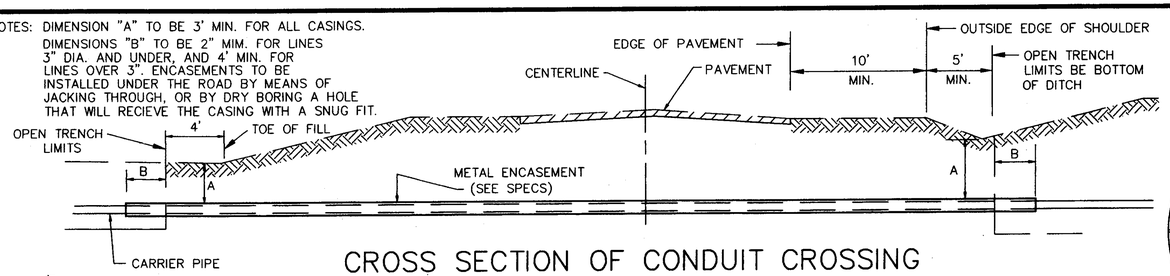
CITY OF RIDGELAND, MISSISSIPPI		
INLET AND HEADWALL DETAILS		
EAST SCHOOL STREET/ WHEATLEY STREET RECONSTRUCTION		
WAGGONER ENGINEERING, INC. Consulting Engineers – Jackson, Mississippi		
DRAWN BY: C.R.H.	DATE: 4-1-93	SHEET NUMBER
REVIEWED BY: B.W.	SCALE: N.T.S.	12 OF 14

C:\P\92117\MODINLET

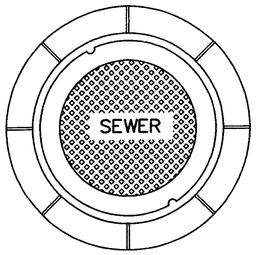


SEWER SERVICE MARKER

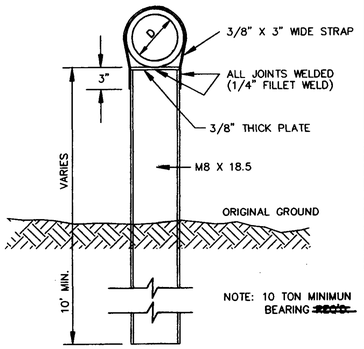
NOTES: DIMENSION "A" TO BE 3' MIN. FOR ALL CASINGS.
DIMENSIONS "B" TO BE 2" MIM. FOR LINES 3" DIA. AND UNDER, AND 4' MIN. FOR LINES OVER 3" ENCASEMENTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING THROUGH, OR BY DRY BORING A HOLE THAT WILL RECIEVE THE CASING WITH A SNUG FIT.



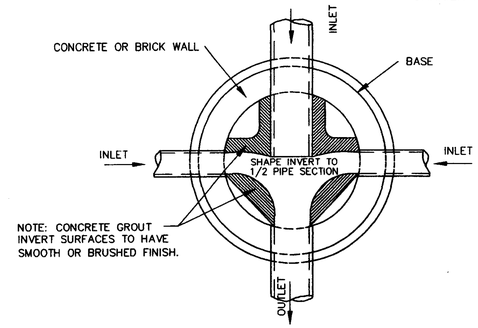
CROSS SECTION OF CONDUIT CROSSING



PLAN
MANHOLE CASTING

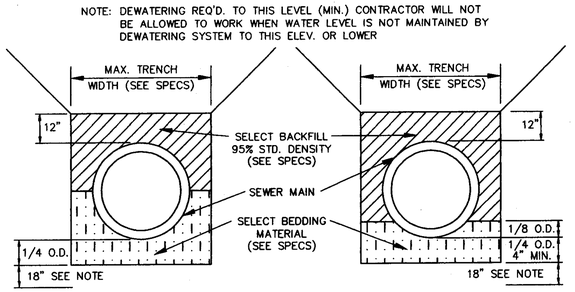


DETAIL
TYPE "A" PIER



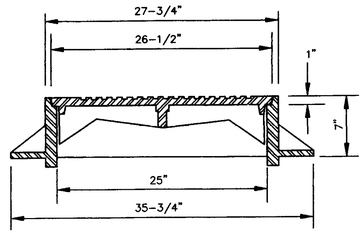
PLAN OF MANHOLE
FLOW CHANNELS

NOTE: DEWATERING REQ'D. TO THIS LEVEL (MIN.) CONTRACTOR WILL NOT BE ALLOWED TO WORK WHEN WATER LEVEL IS NOT MAINTAINED BY DEWATERING SYSTEM TO THIS ELEV. OR LOWER



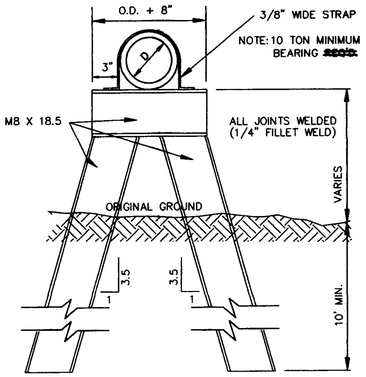
TYPICAL SECTION
CLASS "B" BEDDING

TYPICAL SECTION
CLASS "C" BEDDING

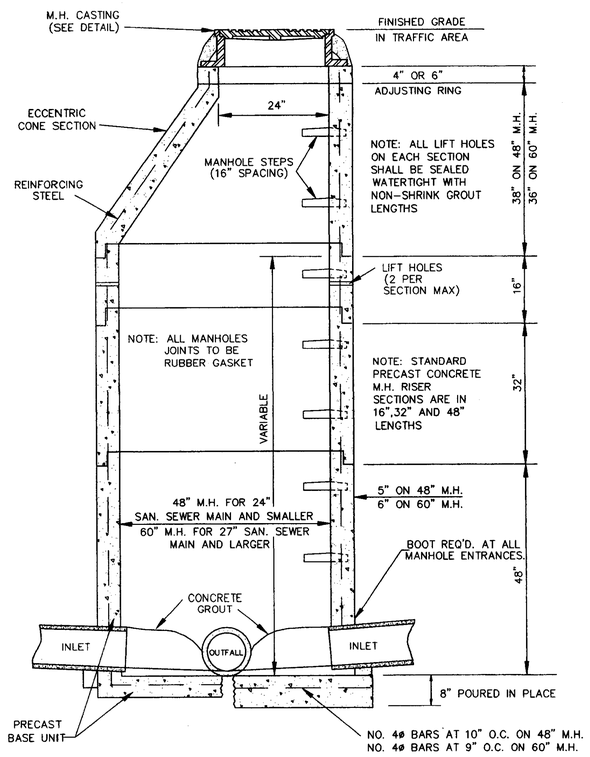


SECTION
TYPE "A" MANHOLE CASTING

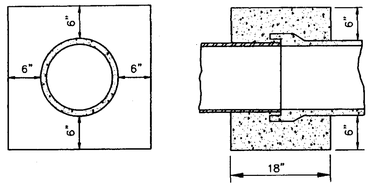
NOTE: 1. USE TYPE "A" MANHOLE CASTING IN STREET R.O.W.
2. USE VULCAN NO. VM-8, (440 lbs.)



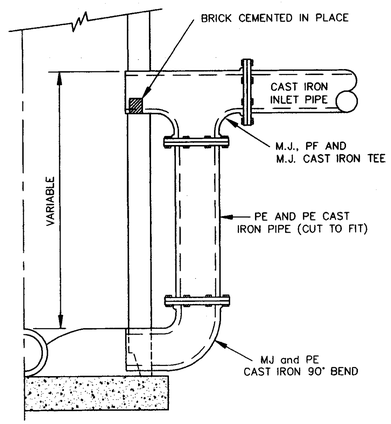
DETAIL
TYPE "B" PIER



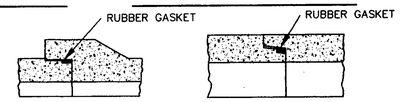
SECTION
PRECAST CONCRETE MANHOLE



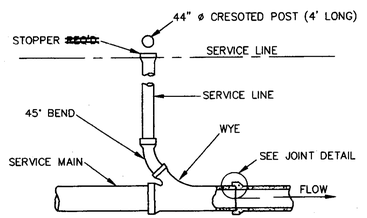
ELEVATION SECTION
CONCRETE COLLAR DETAILS



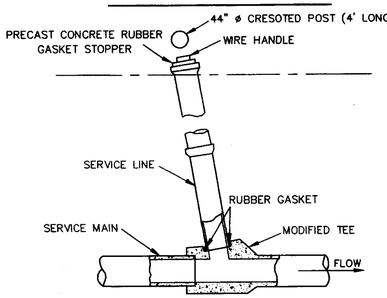
HALF SECTION
MANHOLE WITH DROP SECTION



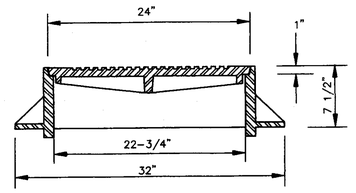
BELL & SPIGOT TONGUE & GROOVE
JOINT DETAILS



TYPICAL SERVICE TO PROPERTY LINE
WITH WYE JOINT

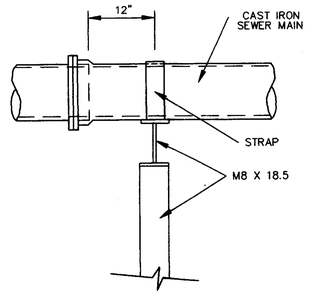


TYPICAL SERVICE TO PROPERTY LINE
WITH MODIFIED TEE JOINT



SECTION
TYPE "B" MANHOLE CASTING

NOTE: 1. USE TYPE "B" MANHOLE CASTING FOR ANY MANHOLE NOT IN A STREET R.O.W.
2. VULCAN NO. VM-7 (300 LBS.) OR NEENAH NO. R-1779 (300 LBS.)

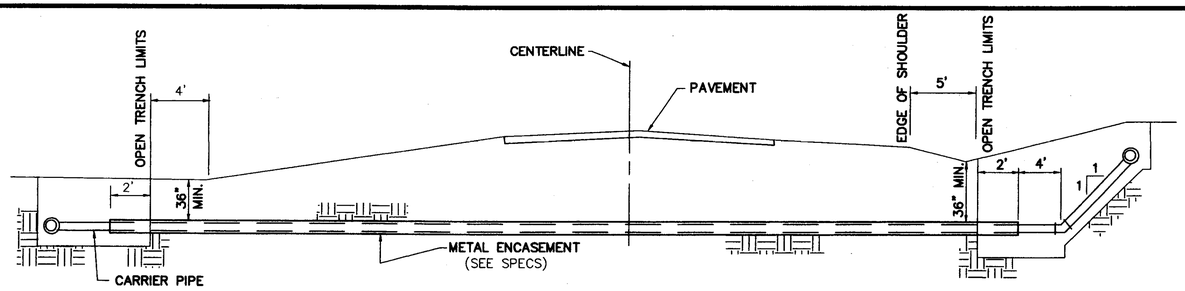


SIDE ELEVATION
TYPE "B" PIER

RECORD DRAWING
FEBRUARY 1997

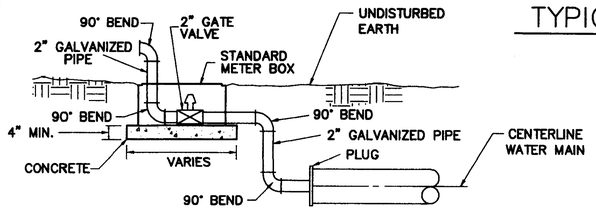
CITY OF RIDGELAND, MISSISSIPPI	
SANITARY SEWER – STANDARD DETAILS	
EAST SCHOOL STREET/ WHEATLEY SREET RECONSTRUCTION	
WAGGONER ENGINEERING, INC. Consulting Engineers – Jackson, Mississippi	
DRAWN BY: C.R.H.	DATE: JULY-1995
REVIEWED BY: B.W.	SCALE: N.T.S.
	SHEET NUMBER 13 OF 14

\92117\SSTAND

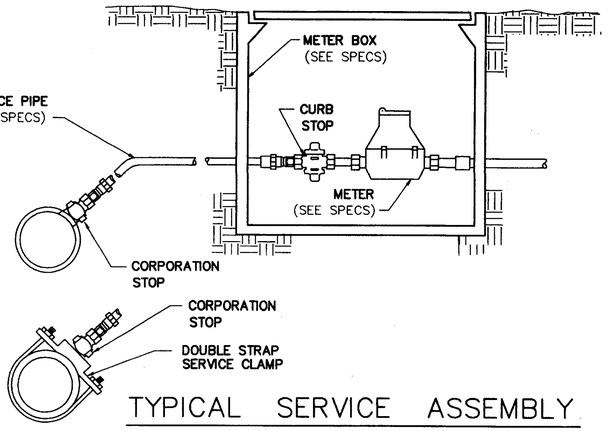


TYPICAL CASED CROSSING

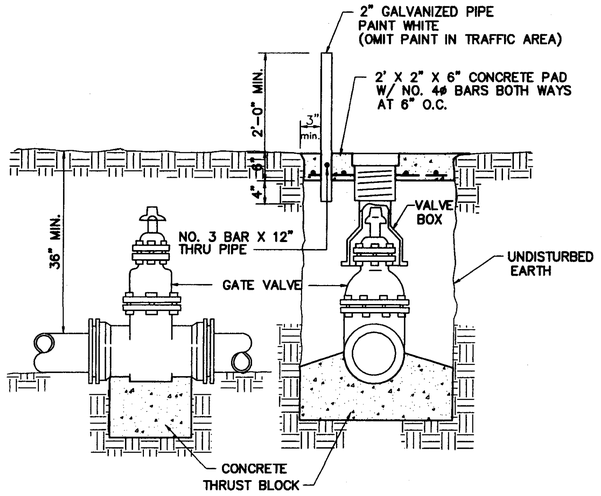
NOTE: COMPENSATION FOR CONCRETE THRUST BLOCKS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.



TYPICAL 2" BLOW-OFF DETAIL

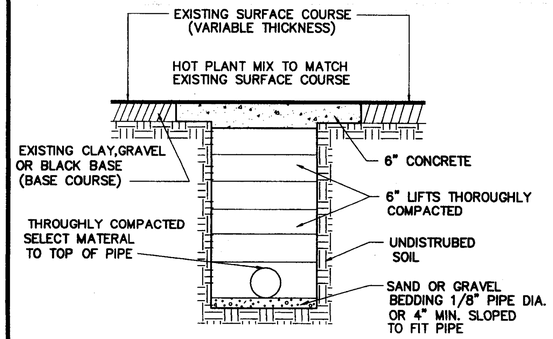


TYPICAL SERVICE ASSEMBLY

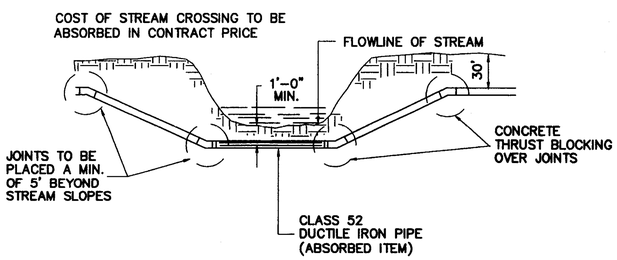


ELEVATION SECTION

TYPICAL VALVE & BOX

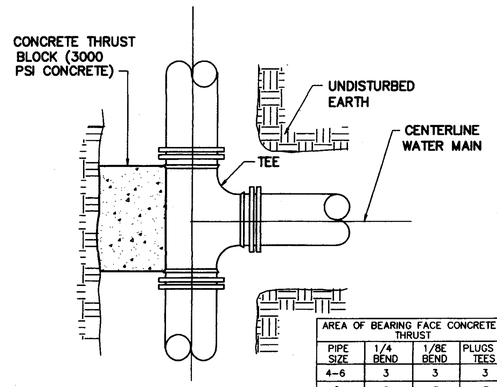


STREET REPAIR OF OPEN CUT

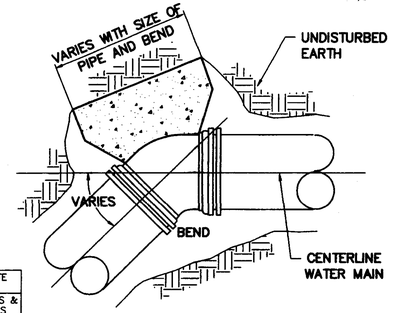


TYPICAL STREAM CROSSING

RECORD DRAWING
FEBRUARY 1997



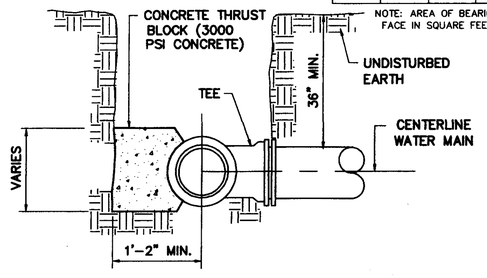
PLAN



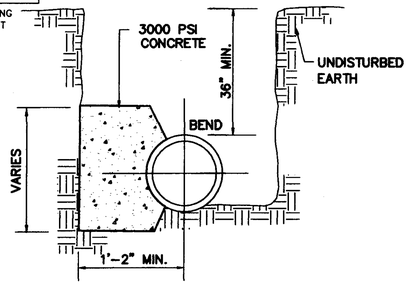
PLAN

AREA OF BEARING FACE CONCRETE THRUST			
PIPE SIZE	1/4 BEND	1/8E BEND	PLUGS & TEES
4-6	3	3	3
8	3	3	3
10	4	3	3
12	6	3	4
16	11	4	7

NOTE: AREA OF BEARING FACE IN SQUARE FEET

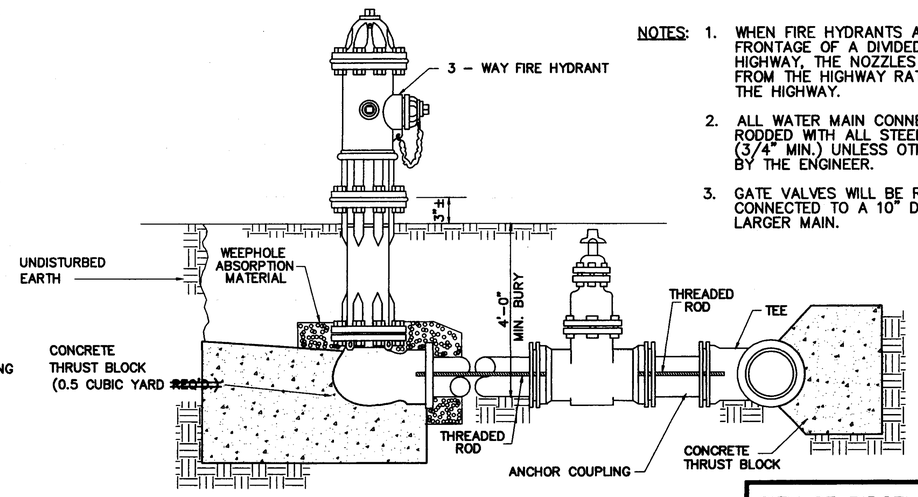


SECTION



SECTION

BLOCKING DETAILS FOR TEES & BENDS



NOTES:
1. WHEN FIRE HYDRANTS ARE PLACED ON THE FRONTAGE OF A DIVIDED OR MULTI-LANE HIGHWAY, THE NOZZLES SHALL FACE AWAY FROM THE HIGHWAY RATHER THAN TOWARD THE HIGHWAY.
2. ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL THREADED RODS (3/4" MIN.) UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
3. GATE VALVES WILL BE REQUIRED WHEN CONNECTED TO A 10" DIAMETER OR LARGER MAIN.

TYPICAL FIRE HYDRANT

CITY OF RIDGELAND, MISSISSIPPI

WATER SYSTEM STANDARDS

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

DRAWN BY: C.R.H.	DATE: 7-31-92	SHEET NUMBER
REVIEWED BY: T.C.	SCALE: NTS	14 OF 14

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