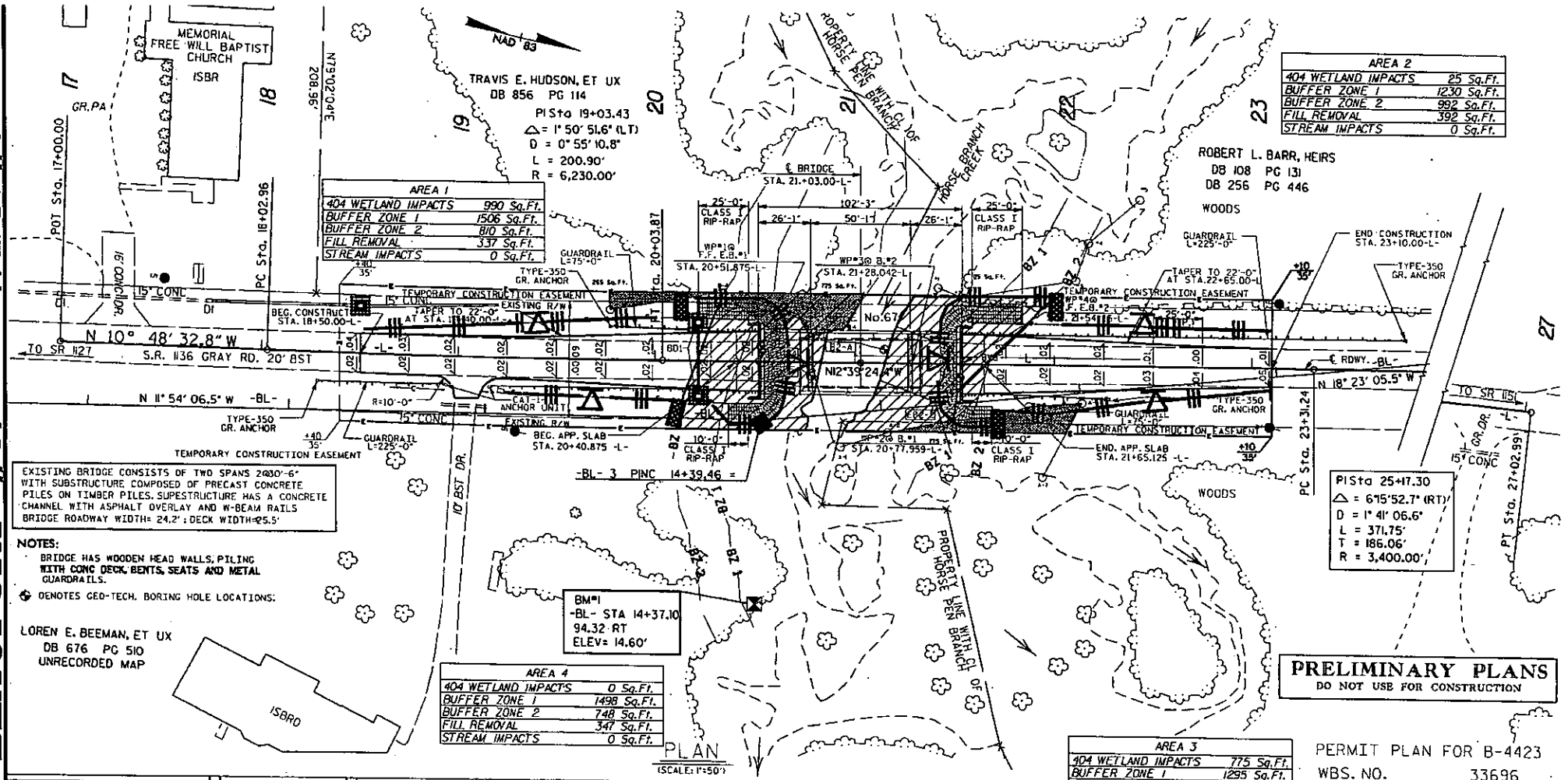
Attachment M

COUNTY: BEAUFORT #67 WBS. #33696



AREA 1	
404 WETLAND IMPACTS	990 Sq.Ft.
BUFFER ZONE 1	1506 Sq.Ft.
BUFFER ZONE 2	810 Sq.Ft.
FILL REMOVAL	337 Sq.Ft.
STREAM IMPACTS	0 Sq.Ft.

AREA 2	
404 WETLAND IMPACTS	25 Sq.Ft.
BUFFER ZONE 1	1230 Sq.Ft.
BUFFER ZONE 2	992 Sq.Ft.
FILL REMOVAL	392 Sq.Ft.
STREAM IMPACTS	0 Sq.Ft.

AREA 3	
404 WETLAND IMPACTS	775 Sq.Ft.
BUFFER ZONE 1	1295 Sq.Ft.
BUFFER ZONE 2	693 Sq.Ft.
FILL REMOVAL	305 Sq.Ft.
STREAM IMPACTS	0 Sq.Ft.

AREA 4	
404 WETLAND IMPACTS	0 Sq.Ft.
BUFFER ZONE 1	1498 Sq.Ft.
BUFFER ZONE 2	748 Sq.Ft.
FILL REMOVAL	347 Sq.Ft.
STREAM IMPACTS	0 Sq.Ft.

EXISTING BRIDGE CONSISTS OF TWO SPANS 2@30'-6" WITH SUBSTRUCTURE COMPOSED OF PRECAST CONCRETE PILES ON TIMBER PILES. SUPESTRUCTURE HAS A CONCRETE CHANNEL WITH ASPHALT OVERLAY AND W-BEAM RAILS BRIDGE ROADWAY WIDTH= 24.2' ; DECK WIDTH=25.5'

NOTES:

BRIDGE HAS WOODEN HEAD WALLS, PILING WITH CONC DECK, BENTS, SEATS AND METAL GUARDRAILS.

◆ DENOTES GEO-TECH. BORING HOLE LOCATIONS.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

404 WETLAND IMPACTS		BUFFER ZONE 1 IMPACTS	BUFFER ZONE 2 IMPACTS	FILL REMOVAL	STREAM IMPACTS
AREA 1	990 Sq.Ft.	1506 Sq.Ft.	810 Sq.Ft.	337 Sq.Ft.	0 Sq.Ft.
AREA 2	25 Sq.Ft.	1230 Sq.Ft.	992 Sq.Ft.	392 Sq.Ft.	0 Sq.Ft.
AREA 3	775 Sq.Ft.	1295 Sq.Ft.	693 Sq.Ft.	305 Sq.Ft.	0 Sq.Ft.
AREA 4	0 Sq.Ft.	1498 Sq.Ft.	748 Sq.Ft.	347 Sq.Ft.	0 Sq.Ft.
TOTAL	1790 Sq.Ft. 0.04 ACRES	5529 Sq.Ft. 0.13 ACRES	3243 Sq.Ft. 0.07 ACRES	1381 Sq.Ft. 0.03 ACRES	0 Sq.Ft. 0.0 ACRES

NOTES

TAR-PAMLICO RIPARIAN BUFFER RULES APPLY

HORSE PEN BRANCH IS A BLUE LINE STREAM AS SHOWN ON THE HACKNEY USGS QUAD MAP AND SHEET NUMBER 12 OF THE SOIL SURVEY OF BEAUFORT COUNTY

HORSE PEN BRANCH IS AN ANDROMOUS FISH SPAWNING AREA A MORATORIUM EXISTS FROM FEBRUARY 15 TO JUNE 15

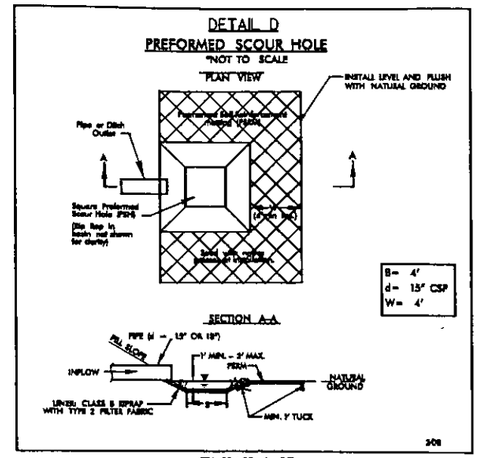
PANEL NUMBER 5663J
MAO NUMBER 3720566300J

PERMIT PLAN FOR B-4423
WBS. NO. 33696
COUNTY: BEAUFORT
STATION: 21+03.00-L-
REPLACES BRIDGE NO. 67

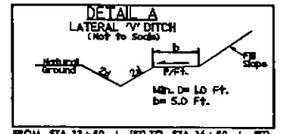
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH B-4423
PLAN VIEW OF BRIDGE #67 ON SR 1136 OVER HORSE BRANCH CREEK
(29'-10" FT. CLEAR ROADWAY)

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	2
1			3			TOTAL SHEETS
2			4			18

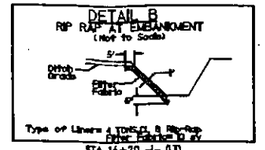
DRAWN BY : S. T. SANDOR DATE : JAN./2008
CHECKED BY : P. BRYANT DATE : MAY/2008



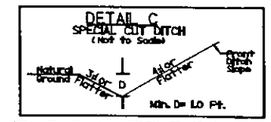
STA. 18+00 -L- (LT)



FROM STA. 13+50 -L- (RT) TO STA. 16+50 -L- (RT)
FROM STA. 13+50 -L- (LT) TO STA. 15+94 -L- (LT)



STA. 16+20 -L- (LT)
STA. 16+50 -L- (RT)



FROM STA. 18+00 -L- (LT) TO STA. 19+00 -L- (LT)

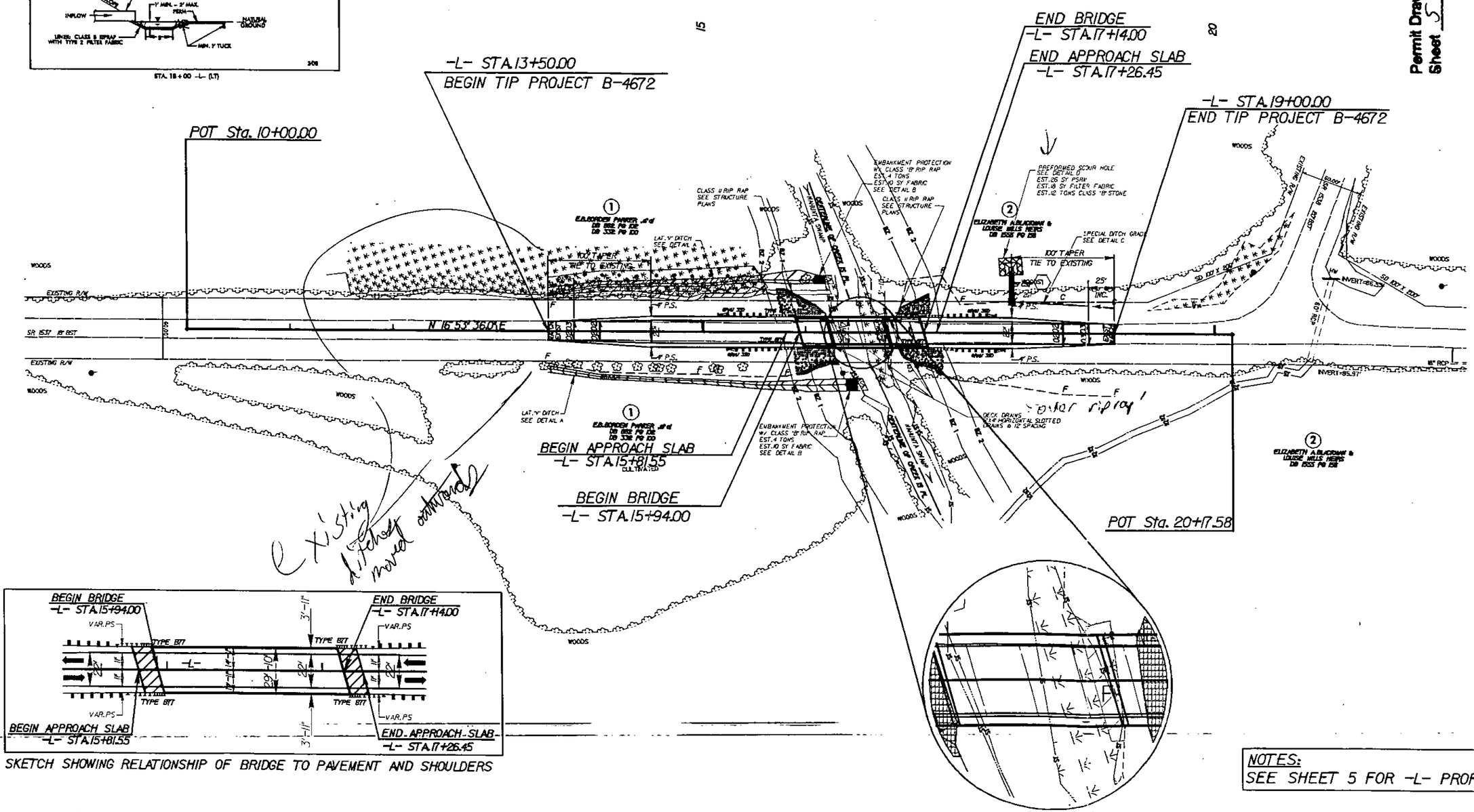
LEGEND

- DENOTES TEMPORARY FILL IN WETLAND
- DENOTES EXCAVATION IN WETLAND
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES FILL IN WETLAND
- DENOTES MECHANIZED CLEARING

B-4672 | 4
R/W SHEET NO.

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

Permit Drawing Sheet 5 of 8



SKETCH SHOWING RELATIONSHIP OF BRIDGE TO PAVEMENT AND SHOULDERS

NOTES:
SEE SHEET 5 FOR -L- PROFILE

REVISIONS

8/17

8/11/2009
11:23:23 AM
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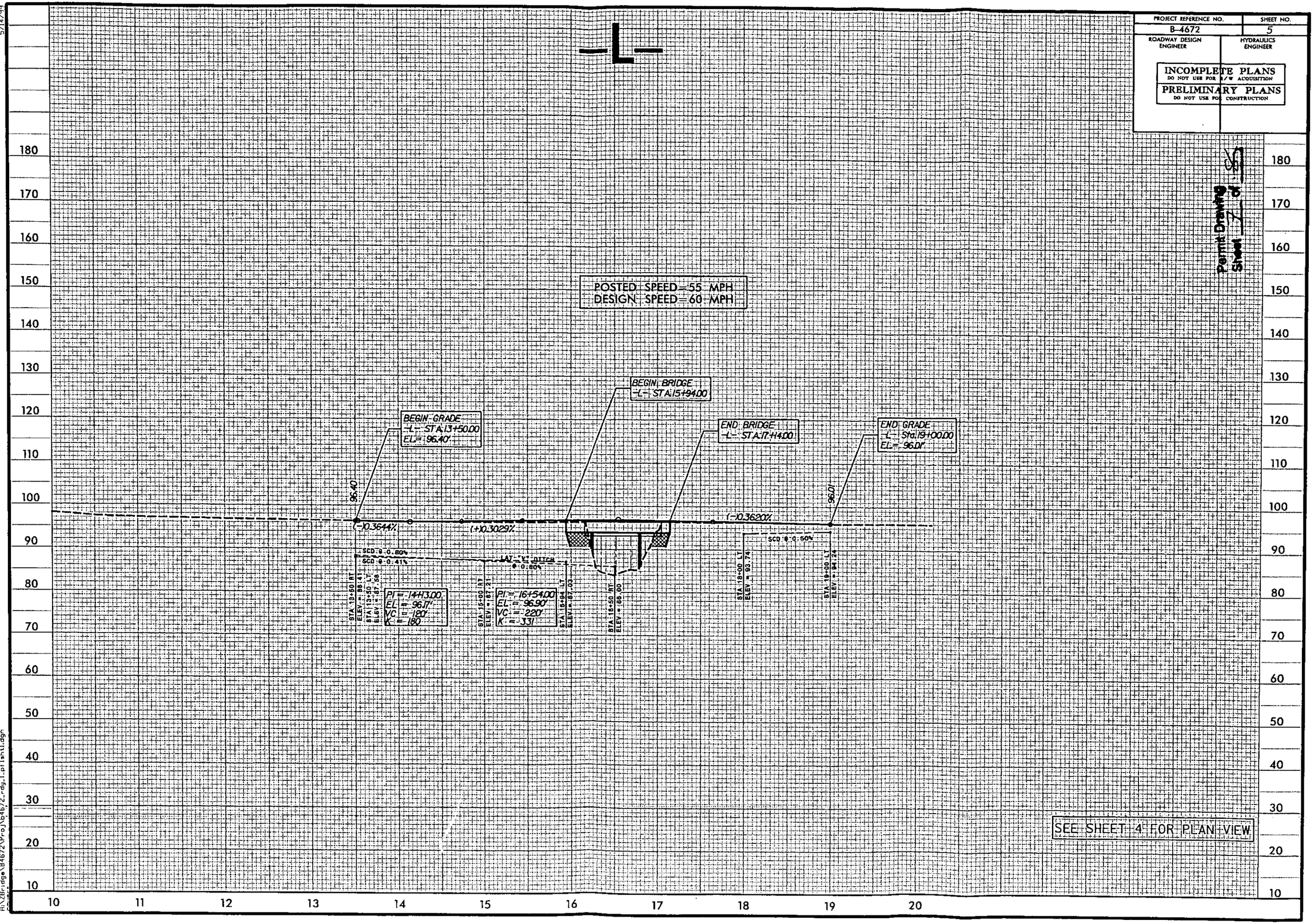


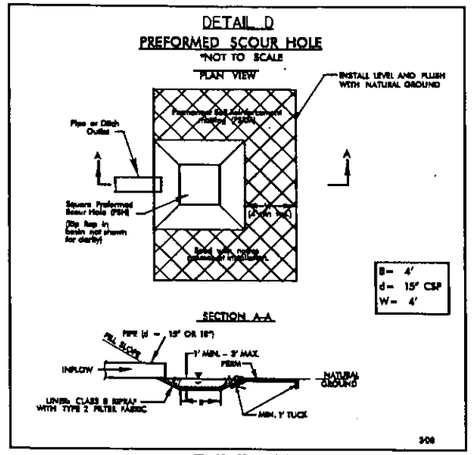
PROJECT REFERENCE NO.
B-4672
SHEET NO.
5
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
Permit Drawing
Sheet 7 of 8
-L-
POSTED SPEED=55 MPH
DESIGN SPEED=60 MPH
BEGIN GRADE
-L- STA.13+50.00
EL= 96.40'
BEGIN BRIDGE
-L- STA.15+94.00
END BRIDGE
-L- STA.17+14.00
END GRADE
-L- Sta.19+00.00
EL= 96.01'
96.40
96.01
(-)0.3644%
(+)0.3029%
(-)0.3620%
SCD @ 0.80%
SCD @ 0.41%
LAT "V" DITCH
@ 0.80%
SCD @ 0.50%
STA 13+50 RT
ELEV = 86.41
STA 13+50 LT
ELEV = 87.58
PI = 14+13.00
EL = 96.17'
VC = 120'
K = 180
STA 15+00 RT
ELEV = 87.21
PI = 16+54.00
EL = 96.90'
VC = 220'
K = 331
STA 15+94 LT
ELEV = 87.03
STA 16+50 RT
ELEV = 86.00
STA 18+00 LT
ELEV = 93.74
STA 19+00 LT
ELEV = 94.24
SEE SHEET 4 FOR PLAN VIEW
5/14/99
3/3/2009
R:\ZBridge\B4672\Proj\b4672_rdy_1_pflsht1.dgn

B-4672 | 4
R/W SHEET NO.

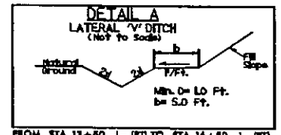
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

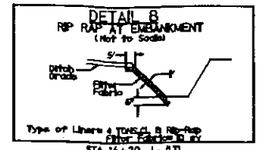
Buffer Drawing Sheet 6 of 9



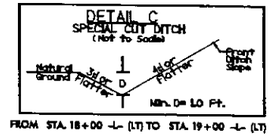
STA. 18+00 -L- (LT)



FROM STA. 13+50 -L- (RT) TO STA. 16+50 -L- (RT)
FROM STA. 13+50 -L- (LT) TO STA. 15+94 -L- (LT)



STA. 16+20 -L- (LT)
STA. 16+50 -L- (RT)

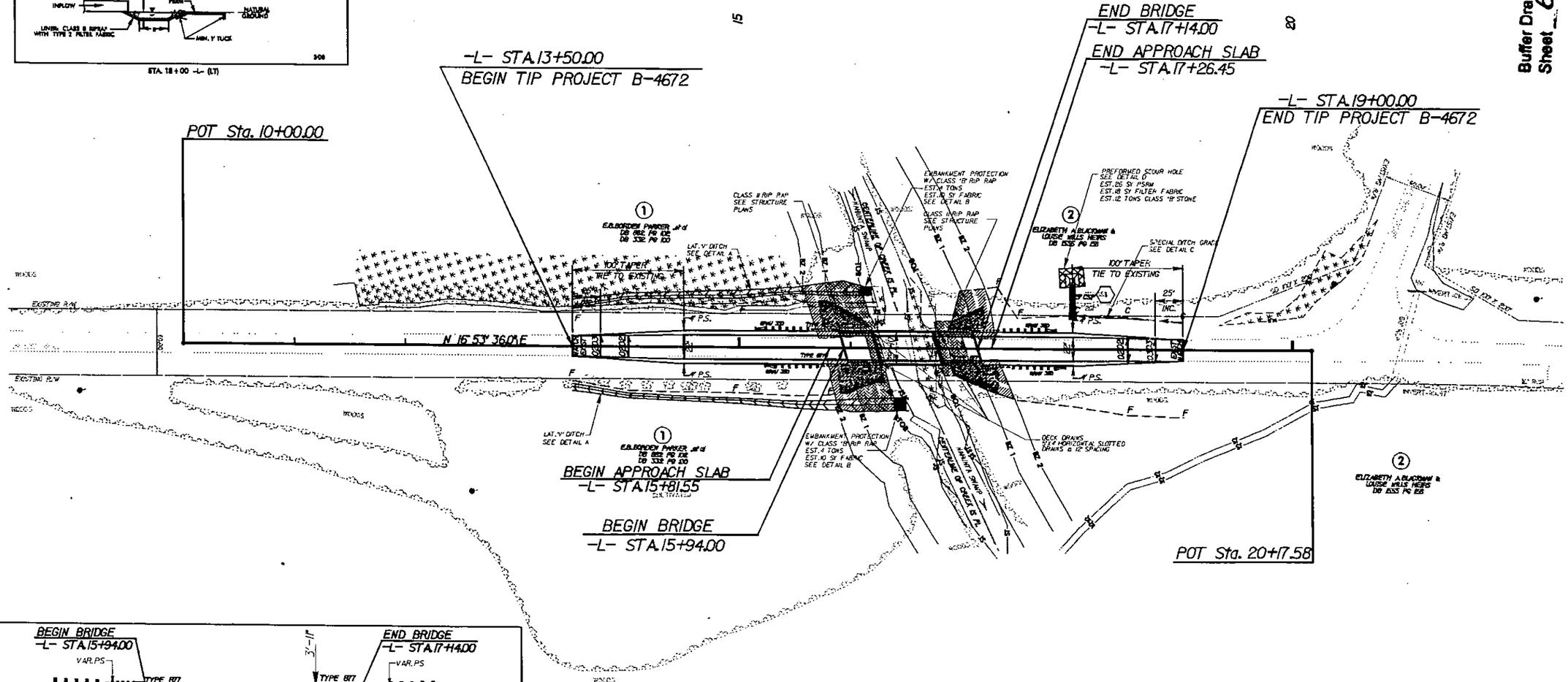


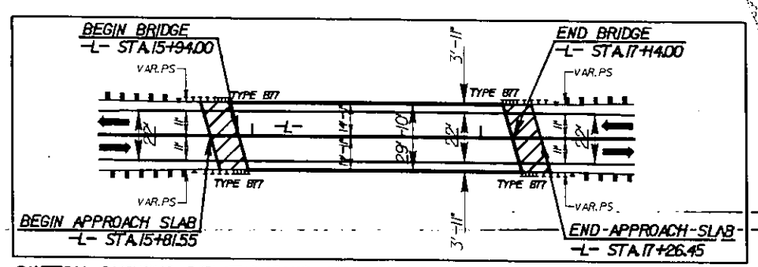
FROM STA. 18+00 -L- (LT) TO STA. 19+00 -L- (LT)

LEGEND

ALLOWABLE IMPACTS ZONE 1

ALLOWABLE IMPACTS ZONE 2





SKETCH SHOWING RELATIONSHIP OF BRIDGE TO PAVEMENT AND SHOULDERS

3-SPAN 21" CORED SLAB, 1@30', 1@35', 1@35'
STA 16+54

NOTES:
SEE SHEET 5 FOR -L- PROFILE

REVISIONS

4/16/2008
3:05:29 PM
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