

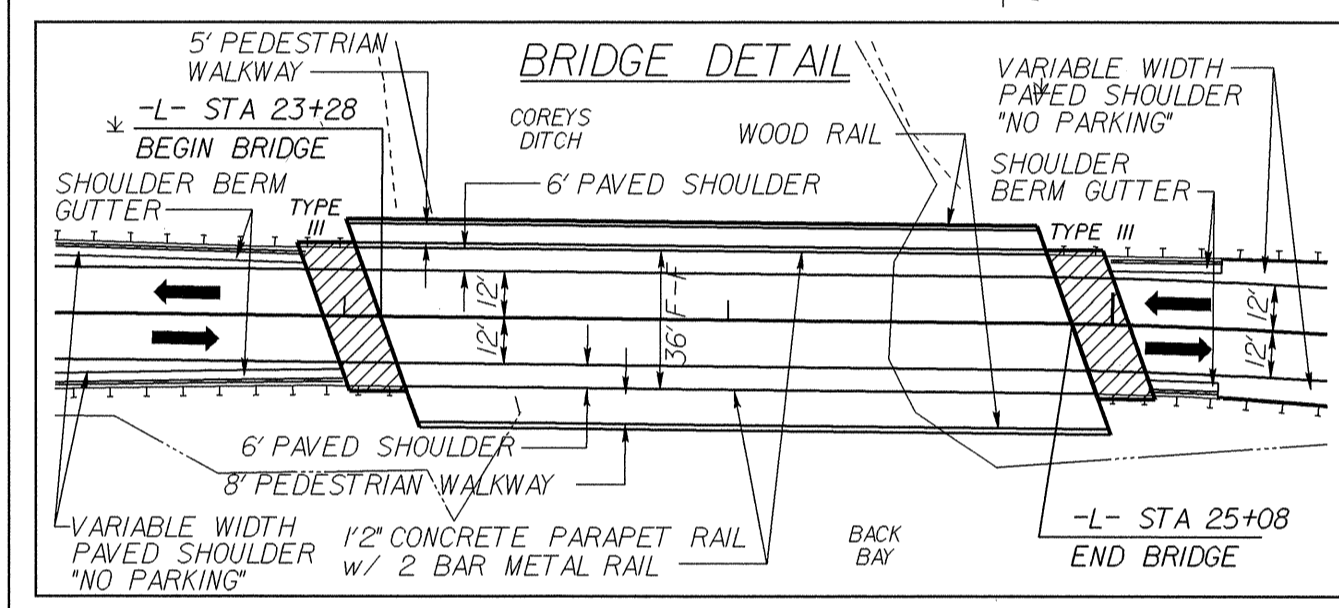
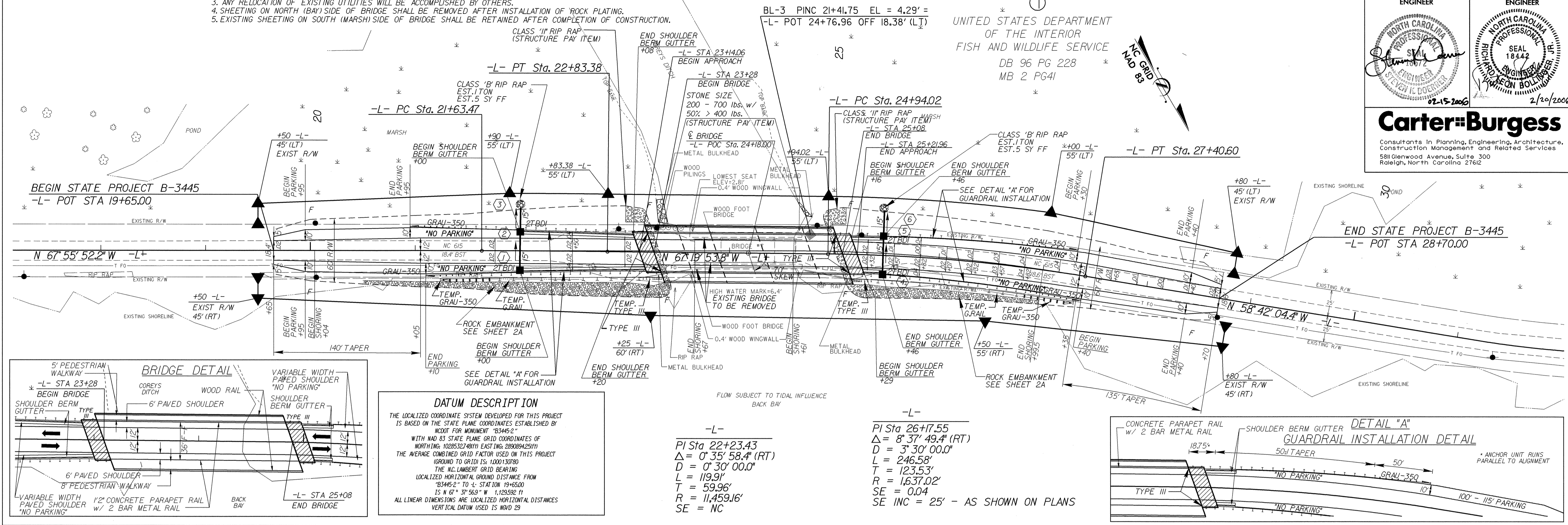
7/12/99

- NOTE:
1. NCDOT HAS AGREED TO THE SPECIAL COMMITMENT THAT NO IN-WATER WORK WILL BE CONDUCTED BETWEEN MARCH 31 AND SEPTEMBER 30 IN ORDER TO AVOID NEGATIVE IMPACTS TO SPawning POPULATIONS OF FISH SPECIES AT THIS PROJECT SITE.
 2. SEE SHEET 2B FOR ROCK EMBANKMENT DETAIL.
 3. ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.
 4. SHEETING ON NORTH (BAY) SIDE OF BRIDGE SHALL BE REMOVED AFTER INSTALLATION OF ROCK PLATING.
 5. EXISTING SHEETING ON SOUTH (MARSH) SIDE OF BRIDGE SHALL BE RETAINED AFTER COMPLETION OF CONSTRUCTION.

SEE SHEETS S-1 THRU S-43 FOR STRUCTURE PLANS

PROJECT REFERENCE NO. B-3445	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Carter=Burgess	
Consultants in Planning, Engineering, Architecture, Construction Management and Related Services 581 Glenwood Avenue, Suite 300 Raleigh, North Carolina 27612	

UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
DB 96 PG 228
MB 2 PG41

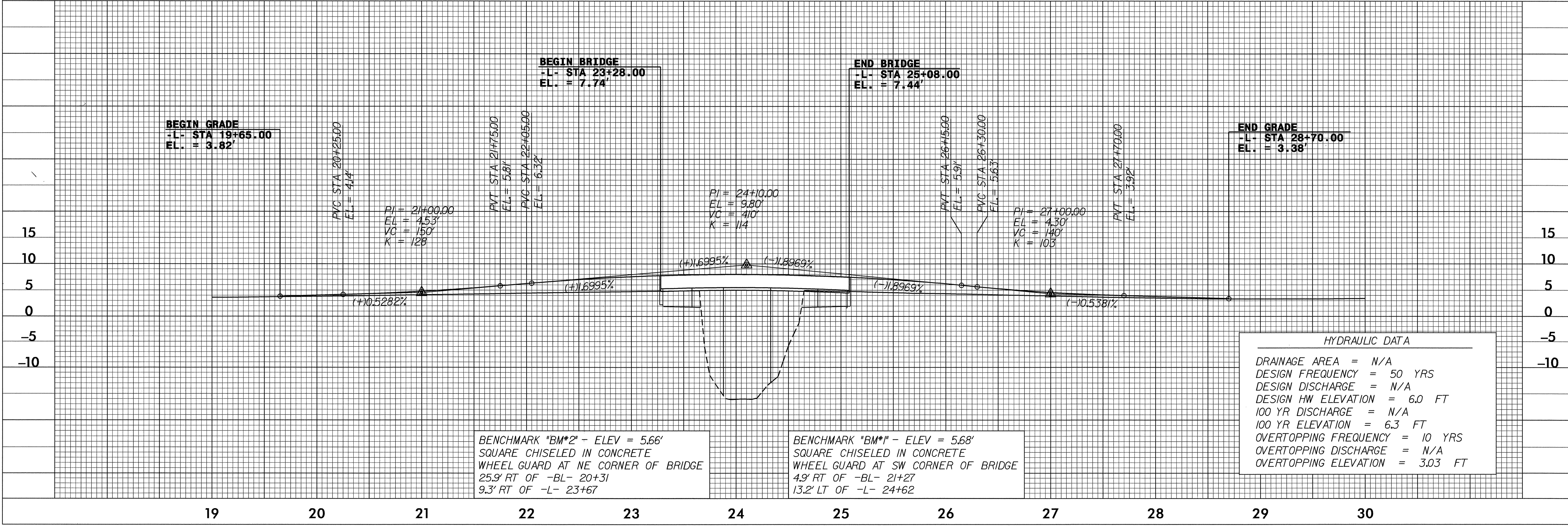
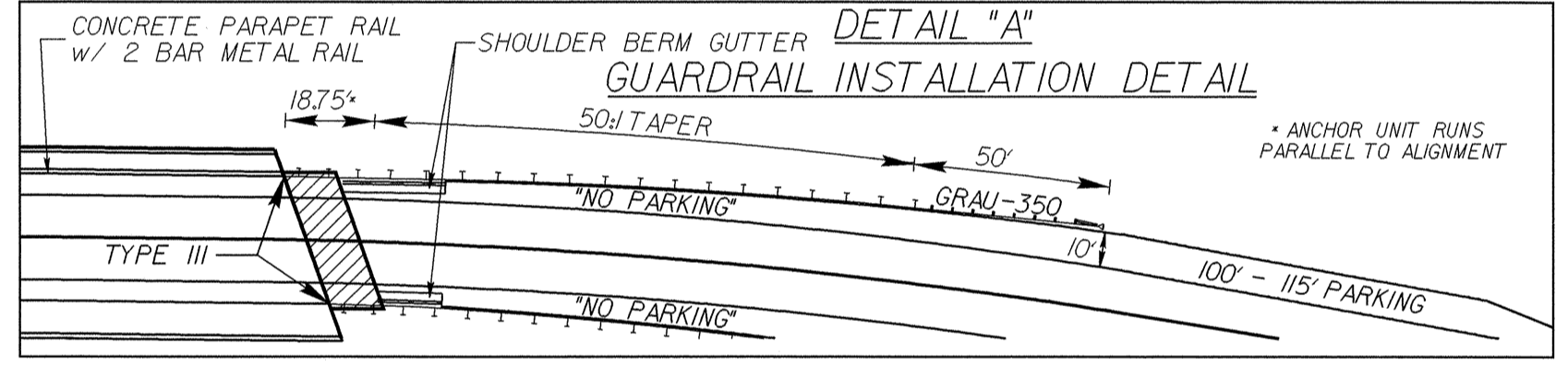


DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B3445-2" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 10285327801111 EASTING: 2880894251111 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID IS: 1000130780 THE WILMERT GRID BEARING LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B3445-2" TO -L- STA 19+65.00 IS N 67° 3' 56.9\"/>

-L-

PI Sta 22+23.43
Δ = 0° 35' 58.4\"/>



BENCHMARK "BM*2" - ELEV = 5.66'
SQUARE CHISELED IN CONCRETE
WHEEL GUARD AT NE CORNER OF BRIDGE
25.9' RT OF -BL- 20+31
9.3' RT OF -L- 23+67

BENCHMARK "BM*1" - ELEV = 5.68'
SQUARE CHISELED IN CONCRETE
WHEEL GUARD AT SW CORNER OF BRIDGE
4.9' RT OF -BL- 21+27
13.2' LT OF -L- 24+62

HYDRAULIC DATA

DRAINAGE AREA = N/A
DESIGN FREQUENCY = 50 YRS
DESIGN DISCHARGE = N/A
DESIGN HW ELEVATION = 6.0 FT
100 YR DISCHARGE = N/A
100 YR ELEVATION = 6.3 FT
OVERTOPPING FREQUENCY = 10 YRS
OVERTOPPING DISCHARGE = N/A
OVERTOPPING ELEVATION = 3.03 FT

USER: b344504-p034
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26-JAN-2006 09:54