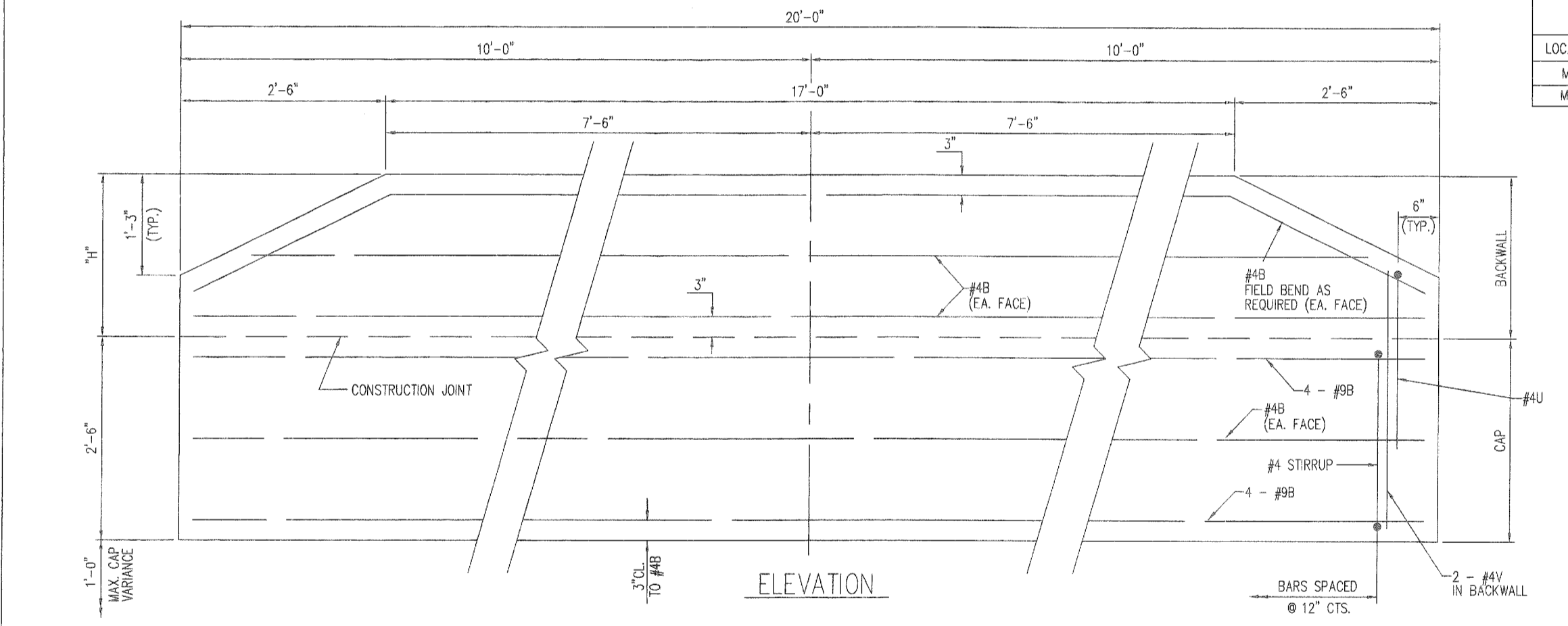
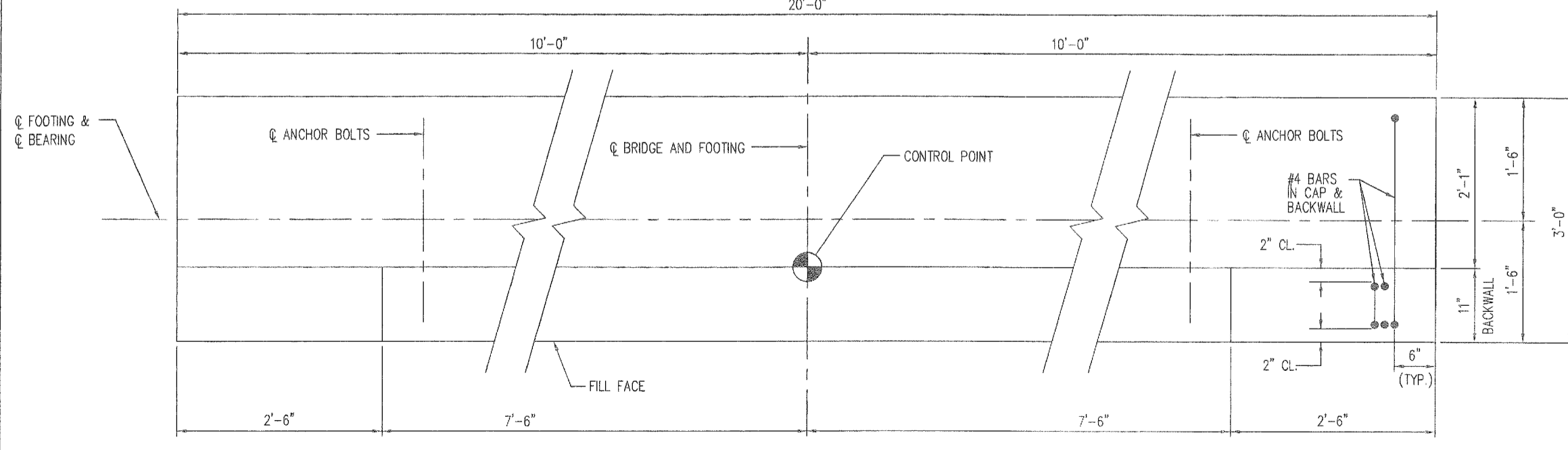


CROSS SECTION
(PRE-ENGINEERED BRIDGE - TYPICAL SECTION MAY VARY)



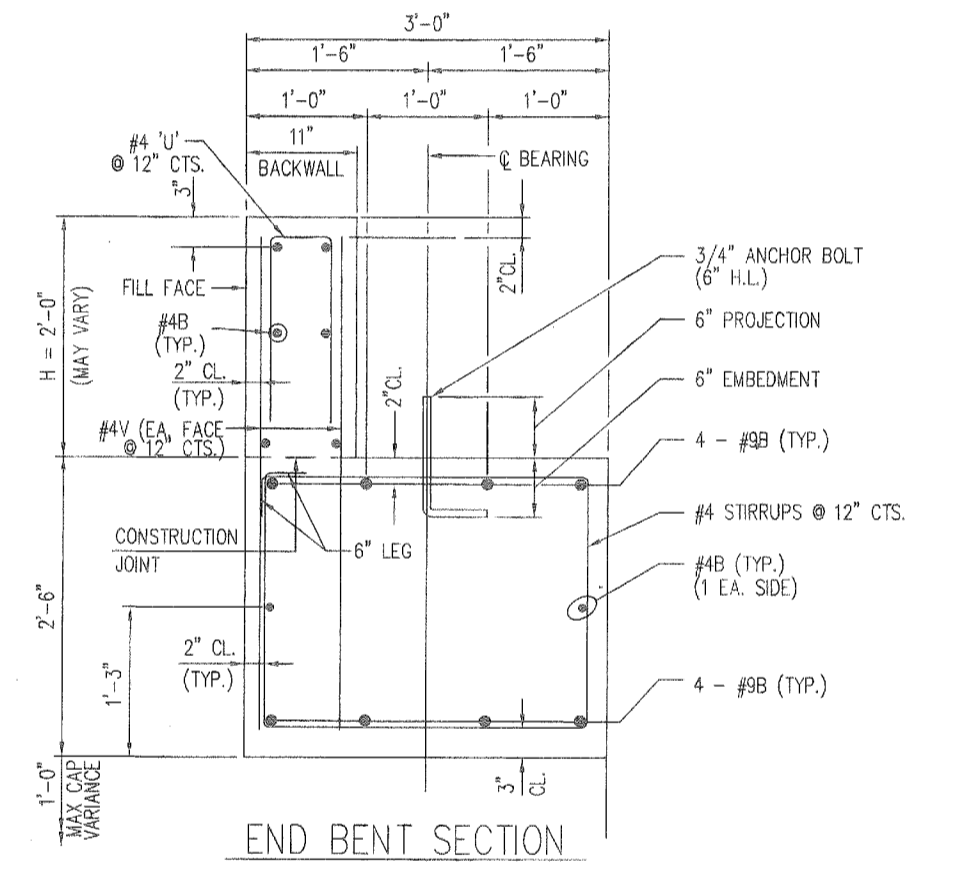
ELEVATION



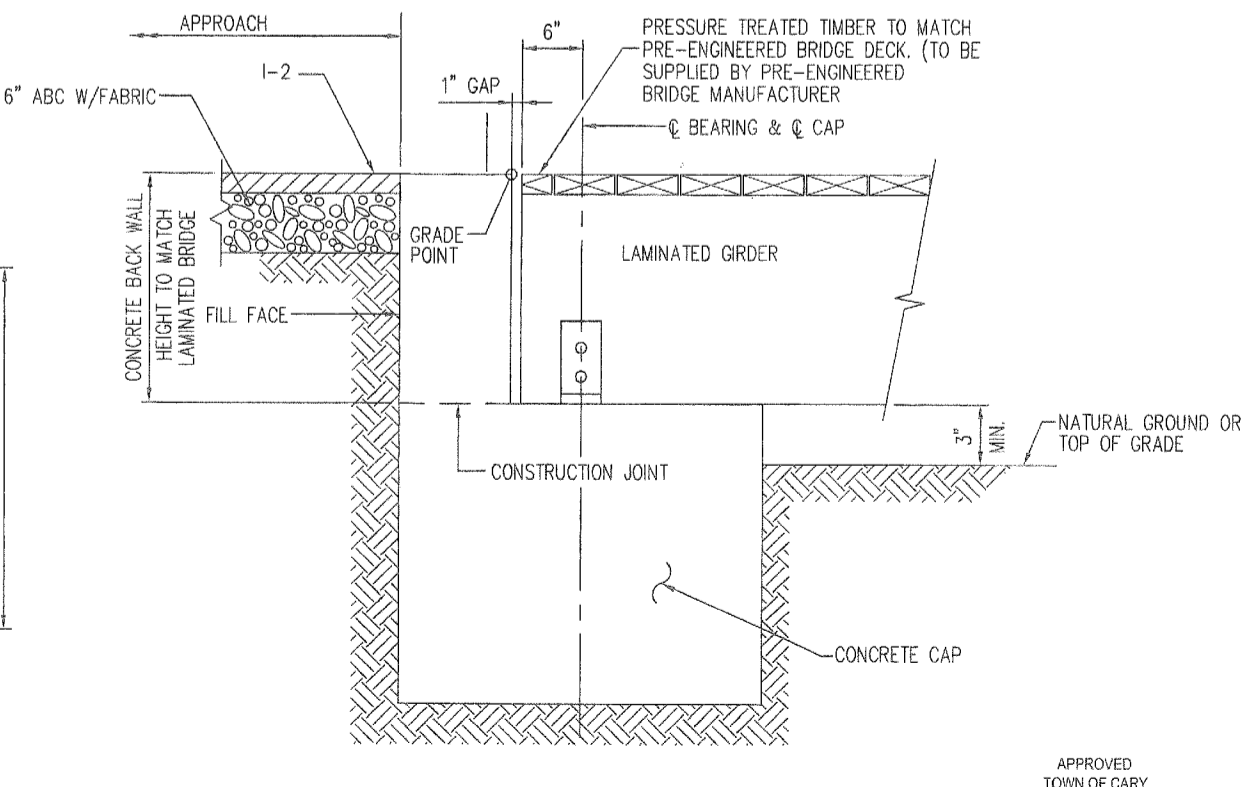
PLAN

- NOTES:**
1. REINFORCING STEEL SHALL BE GRADE 60, F_y = 60,000 PSI.
 2. ALL BAR SPACING ARE FROM CENTER TO CENTER UNLESS OTHERWISE NOTED. THE CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR EDGE OR END OF REINFORCING BAR IS TO BE 2" UNLESS NOTED OTHERWISE.
 3. BOTTOM FOOTING ELEVATIONS MAY VARY FROM THOSE INDICATED TO SATISFY ACTUAL CONDITIONS AT THE PROJECT SITE, AS DIRECTED BY THE ENGINEER.
 4. THE CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION THAT THE TOP OF WALL ELEVATIONS INDICATED ON THE PLAN VIEW WILL SATISFY ACTUAL CONDITIONS AT THE PROJECT SITE, AS DIRECTED BY THE ENGINEER.
 5. BACKWALL DIMENSION IS BASED ON A HEIGHT DIFFERENCE FROM THE TOP OF BRIDGE DECK TO TOP OF BRIDGE SEAT. THIS DIMENSION MAY VARY SLIGHTLY DEPENDING ON PRE-ENGINEERED LAMINATED TIMBER BRIDGE SELECTED. CONTRACTOR SHALL VERIFY RELATED DIMENSIONS PRIOR TO CONSTRUCTION AND ADJUST ACCORDINGLY.
 6. THE CONTRACTOR MAY DRILL AND GROUT 3/4" ANCHOR BOLTS INTO CAP AFTER BRIDGE HAS BEEN SET ON FOOTINGS. IN LIEU OF DRILL AND GROUT, THE CONTRACTOR SHALL USE APPROVED BRIDGE SHOP DRAWINGS TO ESTABLISH ϕ BRIDGE AND LOCATION OF CAST-IN-PLACE ANCHOR BOLTS.
 7. COMPUTED ALLOWABLE FOUNDATION LOAD FOR EACH ENDBENT EQUALS 1500 POUNDS PER SQUARE FOOT.
 8. CONCRETE SHALL BE CLASS A (3,000 PSI), IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATION, JANUARY 2002.
 9. FOR PRE-ENGINEERED LAMINATED BEAM BRIDGE, SEE PROJECT SPECIAL PROVISIONS.
 10. BRIDGE SHALL BE DESIGNED TO ACCOMMODATE LIGHT VEHICULAR AND EMERGENCY VEHICLES OF 20,000 LBS LOCATED AT MID POINT OF BRIDGE.
 11. FABRICATIONS AND SHOP DRAWINGS SHALL SHOW AND NOTE ALL FABRICATIONS AND ERECTIONS IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND DOCUMENTS.
 12. SEE SHEETS L-MP-11 FOR BRIDGE LOCATION.
 13. BOTTOM OF BRIDGE GIRDERS SHALL BE A MINIMUM OF 3 FEET ABOVE NORMAL WATER LEVEL.
 14. THE BOTTOM OF THE CONCRETE FOOTING SHALL BE A MINIMUM OF 18" BELOW FINAL GRADE. THE CONTRACTOR SHALL MAKE ALLOWANCE IN HIS CONCRETE QUANTITY TO PERMIT AN ADDITIONAL 12" IN CAP DEPTH DURING CONSTRUCTION.
 15. NO ADJUSTMENT IN REINFORCING STEEL SHALL OCCUR DUE TO INCREASED DEPTH OF CAP DUE TO BOTTOM OF FOOTING REQUIREMENTS.
 16. BRIDGE FOOTING EXCAVATIONS MAY REQUIRE OVER EXCAVATION DOWN TO CHANNEL BOTTOM ELEVATION AS DIRECTED BY THE GEOTECHNICAL ENGINEER. EXCAVATION SHALL BE REPLACED WITH LEAN CONCRETE (1500 PSI - 2000 PSI) OR FLOWABLE FILL TO AN ELEVATION OF 18" BELOW ORIGINAL GROUND SURFACE.
 17. APPLIED DEAD LOAD SHALL NOT EXCEED 39,000 POUNDS PER END BENT.

BRIDGE LENGTHS CONTROL POINT TO CONTROL POINT	
LOCATION	LENGTH
MP1	40'-0"
MP2	40'-0"



END BENT SECTION



SECTION AT BRIDGE FOOTING

APPROVED
TOWN OF CARY
Approved By: [Signature] Date: 11-11-09
Planning: [Signature] Date: 11-11-09
Engineering: [Signature] Date: 11-11-09

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CONSULTANT

NOTES:

1. The information contained in the signed and sealed documents should be deemed to be correct and superior to electronic information. Electronic information is a component of the instruments of service and is only for the client's benefit on the specific project and for a specific use. There is no representation of the suitability of the electronic information for other purposes, of the durability of the information of the medium through which the information is furnished. Any use for a purpose other than that for which the information is intended shall be at the receiver's risk, and therefore the receiver shall protect and indemnify the sender from any claims, costs, losses or damages. Transfer of the information does not transfer any license to use the underlying software or extinguish the rights of the sender to reuse the information in the general course of a professional practice.

NOTES

DATE	DESCRIPTION
REVISIONS	

SCALE 1" = 30'

White Oak Creek Greenway - Phase 4
Town of Cary
Cary, North Carolina
Project # 05-SP-005

PROJECTIONS OWNER

MacArthur Park Section
Bridge Details

SHEET TITLE
DATE: JUNE 15, 2005

SHEET NUMBER **BD-1**

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