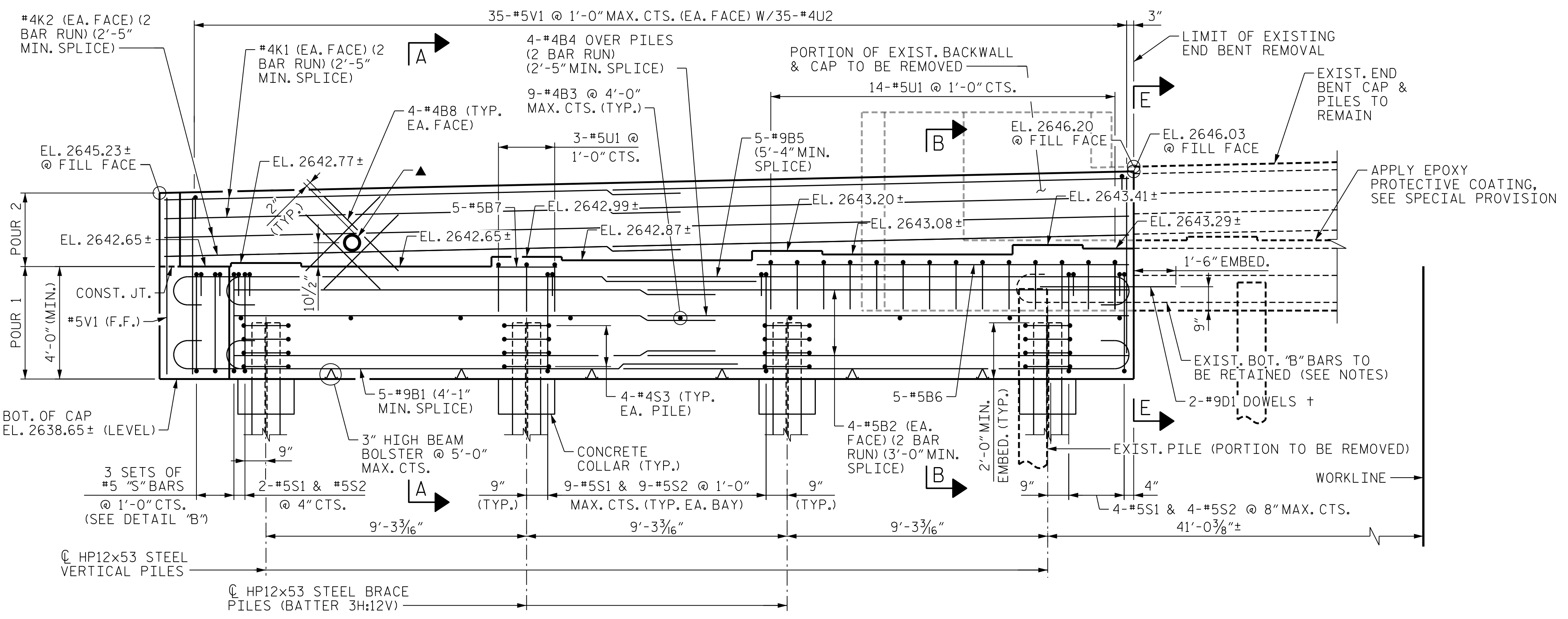


PLAN

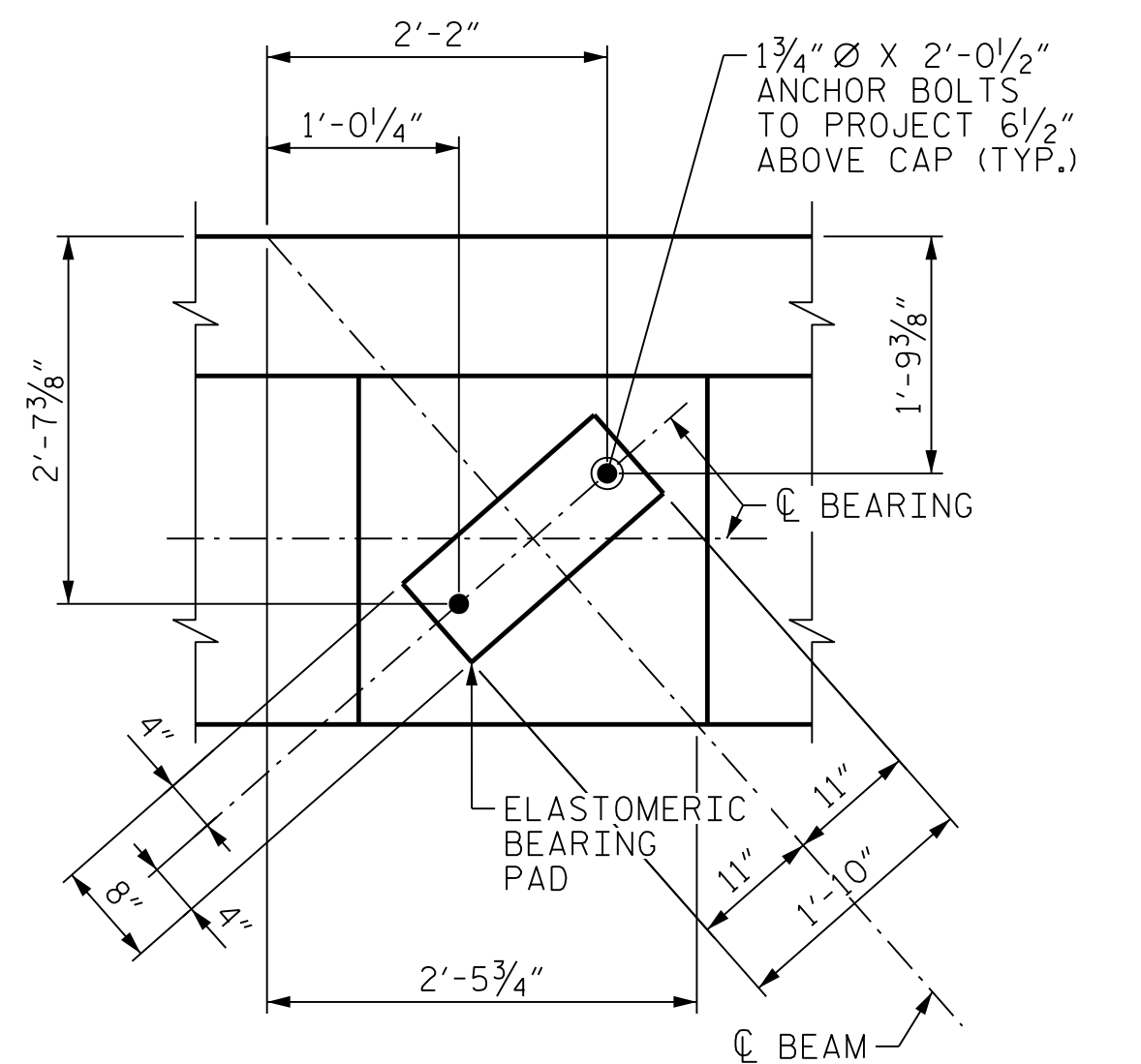


ELEVATION

+ #9D1 DOWELS PLACED IN THE EXISTING CAP SHALL BE INSTALLED WITH FIELD-DRILLED HOLES AND AN EPOXY ADHESIVE ANCHORING SYSTEM. LEVEL ONE FIELD TESTING IS REQUIRED AND THE YIELD LOAD OF THE DOWEL IS 60.0 KIPS. EMBEDMENT LENGTH TO BE DETERMINED BY THE MANUFACTURER OF THE ADHESIVELY ANCHORED ANCHOR SYSTEM. #9D1 BAR LENGTH WAS BASED ON A 1'-6" EMBEDMENT LENGTH. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS, SEE SECTION 420-13 OF THE STANDARD SPECIFICATIONS.

⊕ CAP LENGTH TO BE FIELD ADJUSTED AS REQUIRED TO PROVIDE 1" EXP. JT. BETWEEN THE MSE WALL, THE MSE WALL COPING, AND THE CAP.

▲ PVC SLEEVE FOR ELECTRICAL CONDUIT, SEE "ELECTRICAL CONDUIT SYSTEM FOR SIGNALS" SHEET FOR DETAILS



DETAIL "A"

NOTES

- STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.
- BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING.
- THE TOP SURFACE AREAS OF THE END BENT CAP SHALL BE CURED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS EXCEPT THE MEMBRANE CURING COMPOUND METHOD SHALL NOT BE USED.
- THE TOP SURFACE OF THE CAP EXCEPT THE BRIDGE SEAT BUILDBUPS SHALL BE SLOPED TRANSVERSELY FROM THE FILL FACE TO THE BACK FACE AT THE RATE OF 2%.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE EXISTING BOTTOM #9 BARS SHALL BE RETAINED PAST THE SAW CUT LINE AND WILL BECOME PART OF THE WIDENED END BENT. THE EXISTING REINFORCING STEEL MAY BE BENT AS REQUIRED FOR FITTING INTO THE PROPOSED END BENT CAP.
- FOR SECTIONS A-A AND B-B, VIEW E-E, AND DETAIL "B"; SEE "SUBSTRUCTURE END BENT 2 SECTIONS AND DETAILS" SHEET.
- COAT EXPOSED ENDS OF EXISTING REBAR WITH EPOXY AFTER EXISTING BACKWALL AND CAP ARE REMOVED.
- GRADE DATA, ELEVATIONS, DIMENSIONS, AND STATIONS WERE DETERMINED USING THE BEST INFORMATION AVAILABLE AND ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL SURVEY THE EXISTING STRUCTURE AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS.
- FOR PILE SPLICE DETAILS AND TEMPORARY DRAINAGE AT END BENT DETAIL, SEE "SUBSTRUCTURE END BENT 1 SECTIONS AND DETAILS" SHEET.
- IN REMOVING EXISTING END BENT, MAKE A 1 1/2" MIN. DEPTH SAWCUT AROUND PERIMETER OF CAP AND BACKWALL. REMOVE REMAINING CONCRETE USING MEANS THAT AVOID DAMAGE TO THE EXISTING BOTTOM "B" BARS.
- EPOXY COAT THE END BENT CAP AFTER ADJUSTMENTS ARE MADE TO BEARINGS.

PROJECT NO. B-3186/B-5898  
HAYWOOD COUNTY  
 STATION: 68+82.30± -L-LT-

SHEET 1 OF 2

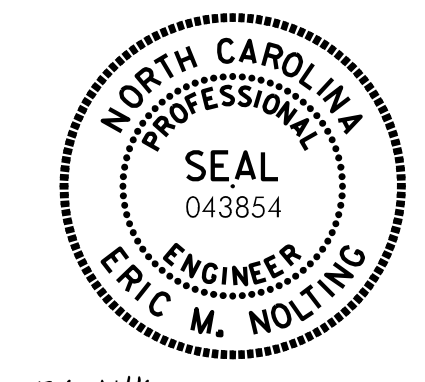
STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 END BENT 2  
 PLAN AND ELEVATION

REVISIONS

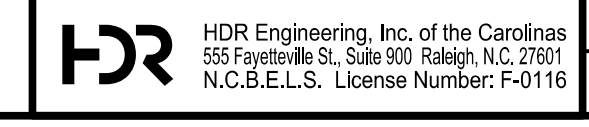
NO.	BY:	DATE:	NO.	BY:	DATE:
1	--	--	3	--	--
2	--	--	4	--	--

SHEET NO. SO3L-31  
 TOTAL SHEETS 44



Eric Nolting 1/24/2022

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



PLOT DRIVER: NCDOT\_STRUCTURE DEFAULT\_PLOTTER.plt  
 PENTABLE: NCDOT\_STRUCTURE DEFAULT\_PEN.tbl  
 USER: PETERSON DATE: 1/24/2022 TIME: 1:50:12 PM  
 FILE: ... \403.150.B5898B3186.SMU.E2.031.430110.dgn

DES BY: B. ROGERS DATE: 06/21 DWG BY: B. PETERSON DATE: 06/21  
 DES CHK: F. CORDOVA DATE: 06/21 CHK BY: F. CORDOVA DATE: 06/21