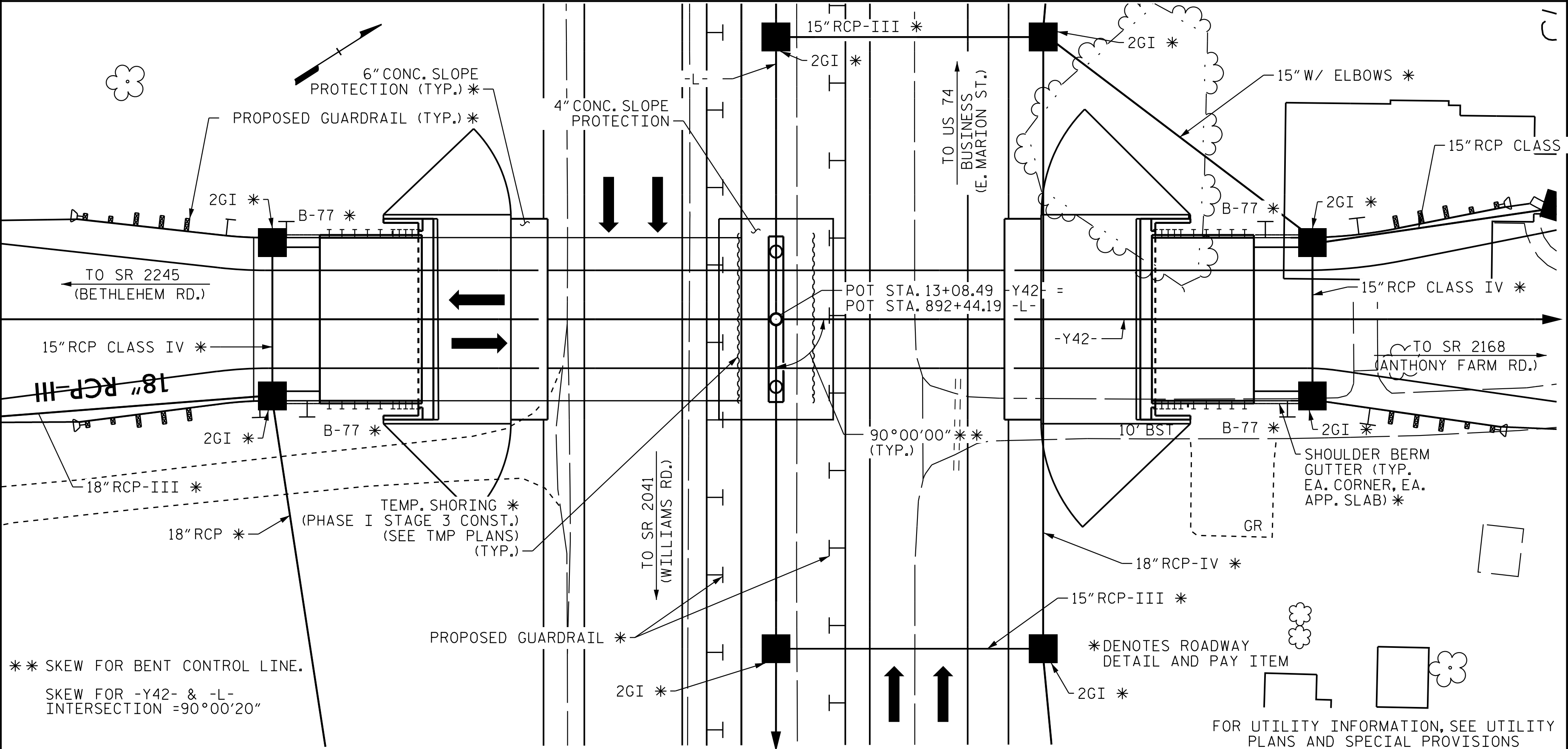


BM #4: 5"x5" CONCRETE MONUMENT 1.0' ABOVE THE GROUND ALONG US 74 AND AT THE CENTER OF HIGH TENSION POWER TOWER, STA. 901+48.71 -L-, 117.94' RT. EL. 788.94



LOCATION SKETCH

NOTES:

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.
- TEMPORARY SHORING WILL BE REQUIRED IN THE AREAS INDICATED IN THE PLAN VIEW.
- STEEL SHEET PILING REQUIRED FOR SHORING SHALL BE HOT ROLLED.
- FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRANSPORTATION MANAGEMENT PLANS. FOR PAY ITEM FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS.
- THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- FOR MODIFIED 54" PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS.
- FOR MAINTENANCE AND PROTECTION OF TRAFFIC BENEATH PROPOSED STRUCTURE, SEE SPECIAL PROVISIONS.
- PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE W/ ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

TOTAL BILL OF MATERIAL

	FOUNDATION EXCAVATION BENT NO.1	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	PILE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES	HP 12X53 STEEL PILES	CONCRETE BARRIER RAIL	4" SLOPE PROTECTION	ELASTOMERIC BEARINGS	MODIFIED 54" PRESTRESSED CONC. GIRDER		
	LUMP SUM	SO.FT.	SO.FT.	CU.YDS.	LUMP SUM	LBS.	LBS.	EA.	NO.	LIN.FT.	LIN.FT.	SO.YDS.	LUMP SUM	NO.	LIN.FT.
SUPERSTRUCTURE		7,814	8,460		LUMP SUM					358.0		LUMP SUM	8	710.33	
END BENT NO.1				36.0		6,271		8	8	600	160				
BENT NO.1	LUMP SUM			78.0		13,731	1,488	21	21	1,365	158				
END BENT NO.2				36.2		6,305		8	8	560	209				
TOTAL	LUMP SUM	7,814	8,460	150.2	LUMP SUM	26,307	1,488	37	37	2,525	358.0	527	LUMP SUM	8	710.33

PROJECT NO. R-2707E
CLEVELAND COUNTY
 STATION: 13+08.49 -Y42-

SHEET 3 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE ON -Y42- OVER
 US 74 (DIXON BLVD.) BETWEEN
 SR 2245 (BETHLEHEM RD.)
 AND SR 2168 (ANTHONY FARM RD.)



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 License No. F-0672

DRAWN BY: J.E. HAGENBUSH DATE: 10/11/18
 CHECKED BY: A. L. BOYKIN DATE: 02/17/23
 DESIGN ENGINEER OF RECORD: J. T. KELVINGTON DATE: 05/08/23

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S7-04
1			3			TOTAL SHEETS
2			4			34

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/8/2023 3:44:08 PM jHagenbush