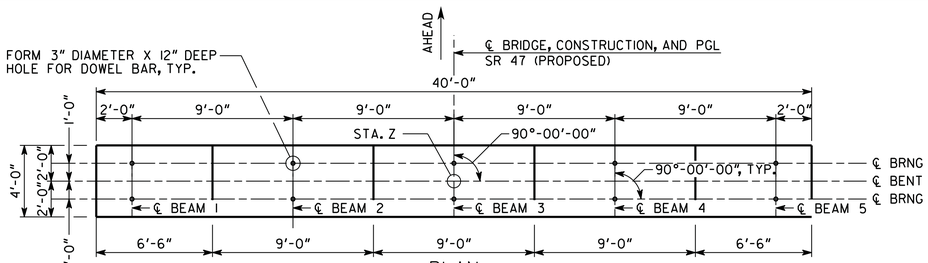
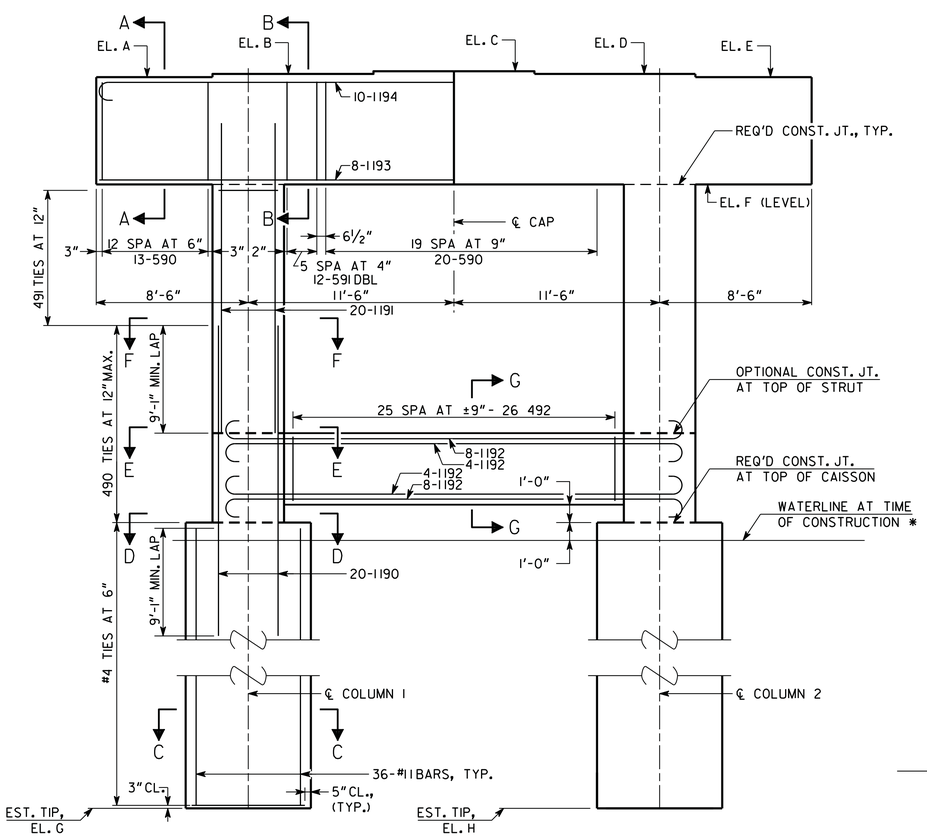
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST0-0076-01(036)	172	267

RELEASED FOR CONSTRUCTION: 11/14/2014



PLAN

SCALE: 1/4" = 1'-0"

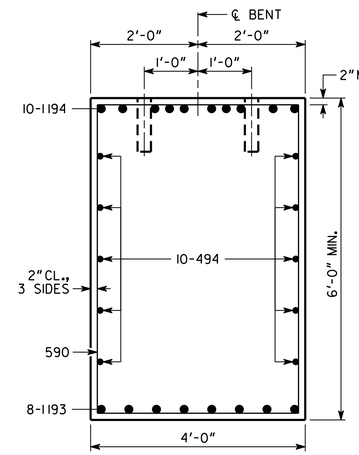


ELEVATION

SCALE: 1/4" = 1'-0"

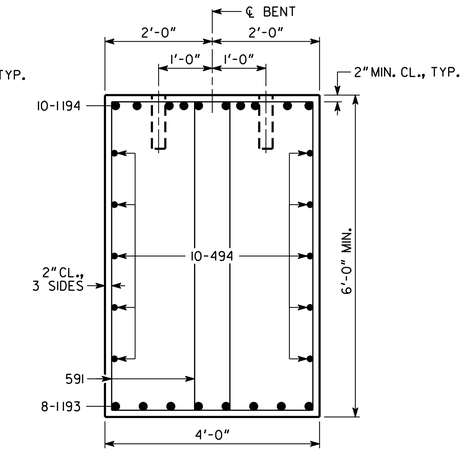
LOOKING AHEAD

BENT 10 SHOWN (BENTS 9, 11, & 12 SIMILAR)



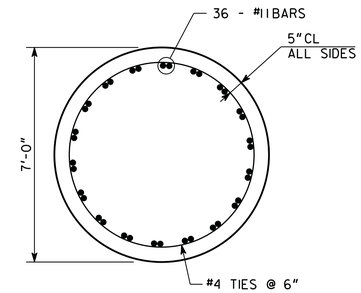
SECTION A-A

SCALE: 3/4" = 1'-0"



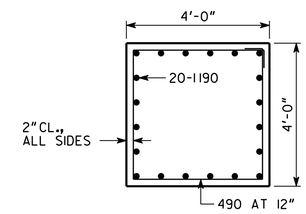
SECTION B-B

SCALE: 3/4" = 1'-0"



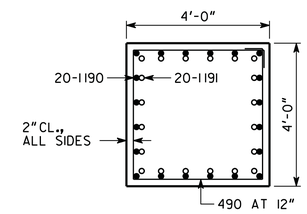
SECTION C-C

SCALE: 1/2" = 1'-0"



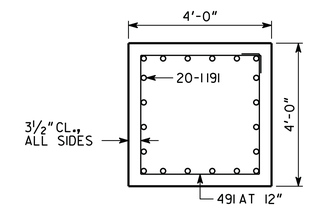
SECTION D-D

SCALE: 1/2" = 1'-0"



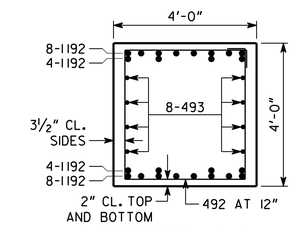
SECTION E-E

SCALE: 1/2" = 1'-0"



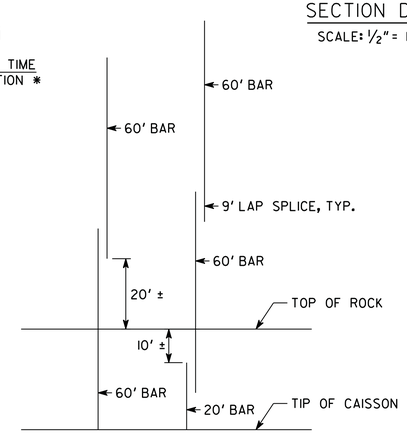
SECTION F-F

SCALE: 1/2" = 1'-0"



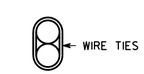
SECTION G-G

SCALE: 1/2" = 1'-0"



CAISSON SPLICE STAGGER DETAIL

SCALE: NONE



BARS TO BE BUNDLED SHALL BE BUNDLED VERTICALLY

BUNDLING DETAIL

NO SCALE

QUANTITIES

ITEM	BENT 9	BENT 10	BENT 11	BENT 12
CY CLASS AA CONCRETE	77.0	77.0	76.1	73.2
LB BAR REINF STEEL	19934	20221	20007	19418
LF DRILLED CAISSON	316.82	296.82	301.82	321.82

ELEVATIONS

	STA. Z		A	B	C	D	E	F	G	H
BENT 9	143+94.00	BK	359.13	359.32	359.49	359.23	358.91	352.91	172.00±	172.00±
		AH	359.19	359.37	359.49	359.37	359.19			
BENT 10	145+32.00	BK	360.02	360.20	360.35	360.20	360.02	354.02	182.00±	182.00±
		AH								
BENT 11	146+70.00	BK	359.22	359.40	359.55	359.40	359.22	353.16	179.00±	180.00±
		AH	359.16	359.34	359.49	359.34	359.16			
BENT 12	148+08.00	BK	356.72	356.90	357.05	356.90	356.72	350.66	174.00±	165.00±
		AH	356.66	356.84	356.99	356.84	356.66			

NOTES

1. * NORMAL POOL ELEVATION OF 329.41 USED FOR DESIGN, QUANTITY AND REBAR CALCULATIONS. IF WATER LEVEL VARIES BY MORE THAN 3' FROM THIS ELEVATION, CONTACT THE ENGINEER FOR POSSIBLE ADJUSTMENT.
2. MAINTAIN 2" CL. ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.
3. BENT CAP IS SYMMETRICAL ABOUT ℄ CAP
4. STAGGER CAISSON BAR SPLICES SUCH THAT NO MORE THAN HALF OF THE BARS ARE SPLICED AT ANY LOCATION. DO NOT SPLICE BARS WITHIN ±10' OF TOP OF ROCK SOCKET. SEE CAISSON SPLICE STAGGER DETAIL FOR RECOMMENCED SPLICE SCHEME.
5. PERMANENT CASING WILL BE REQUIRED TO INSTALL THE DRILLED CAISSON.
6. CAISSONS ARE DESIGNED FOR AN ALLOWABLE END BEARING PRESSURE OF 80 KIPS PER SQ. FT ON SOUND ROCK.
7. CAISSONS SHALL BE EMBEDED INTO SOUND ROCK A MINIMUM OF 30'.

DRAWING NO. 35-024

BRIDGE SHEET 24 OF 33

BRIDGE NO. 1

Baker

MICHAEL BAKER CORPORATION
3595 ENGINEERING DRIVE
NORCROSS, GEORGIA 30092
(770) 263-9118

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

INTERMEDIATE BENT DETAILS - BENT 9-12

S.R. 47 OVER LITTLE RIVER (CLARKS HILL LAKE)

LINCOLN/COLUMBIA COUNTY BRST0-0076-01(036)

SCALE: AS SHOWN NOVEMBER 2014

DESIGNED BSB/ANZ CHECKED JCR/AWB REVIEWED WMD/DLC
DRAWN BSB DESIGN GROUP DLC APPROVED BFR

REVISIONS DATE BY

1 INCH WHEN PRINTED FULL SIZE

11/18/2014 2:57:26 PM Y:\Roadways\138973\Bridge\Final\B0124-BT9.dgn