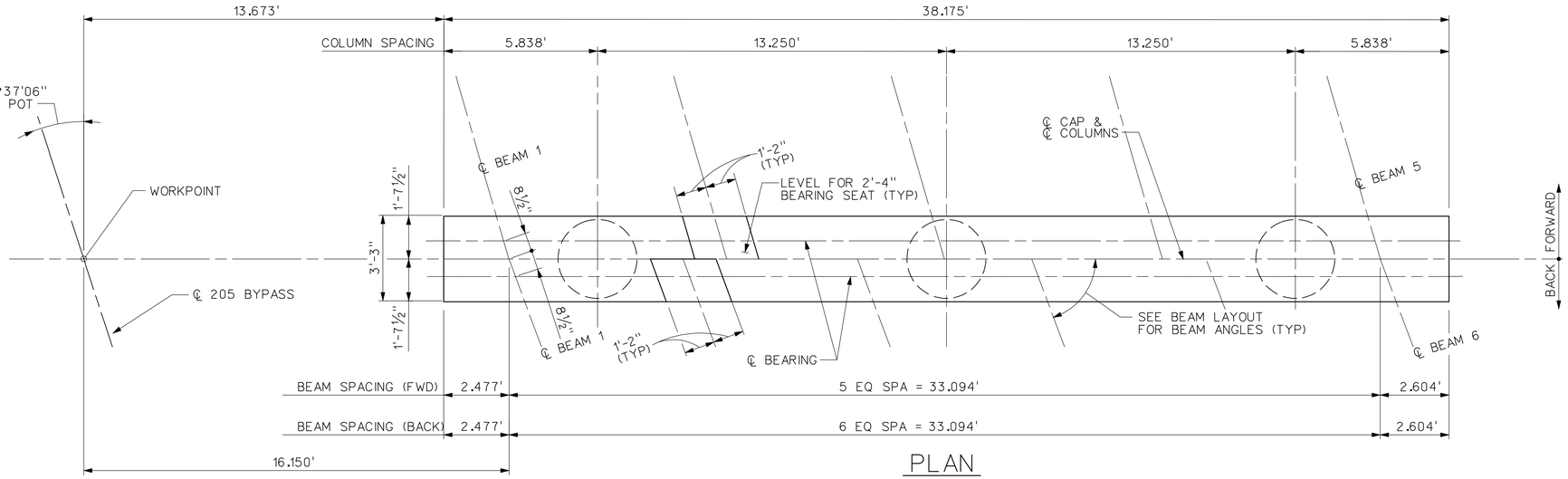
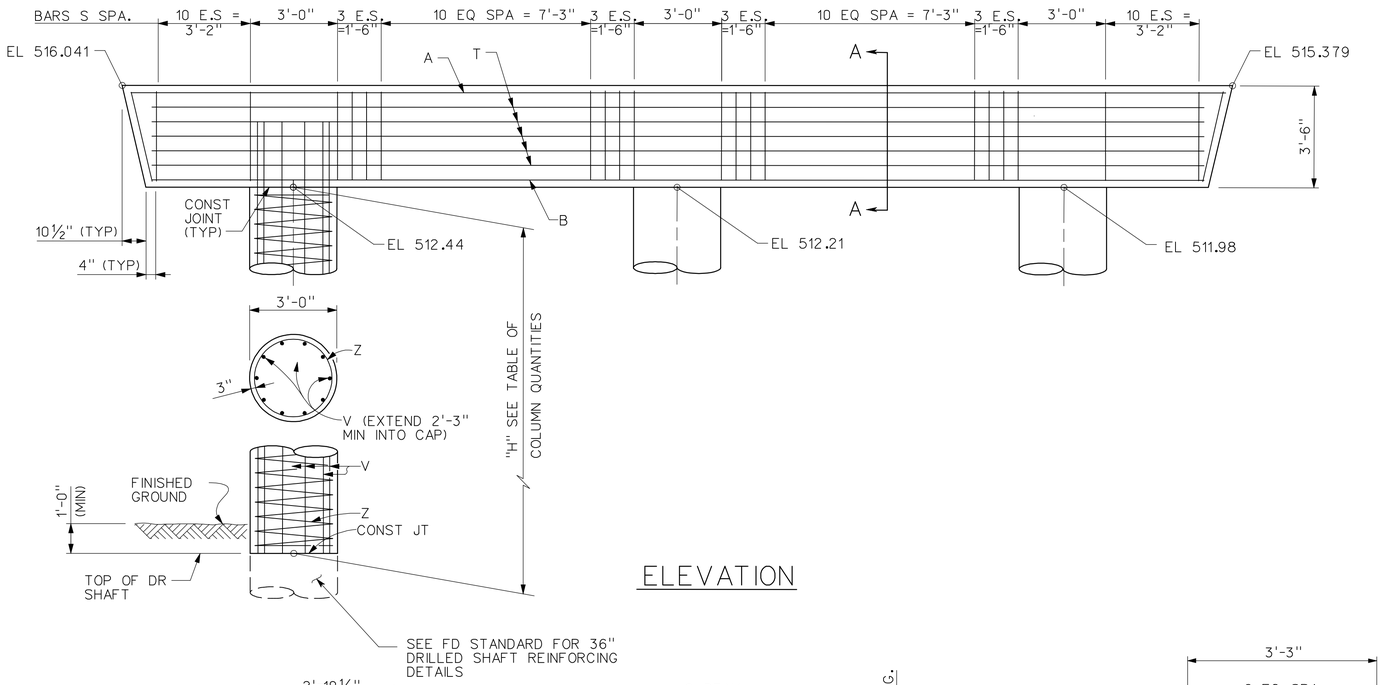
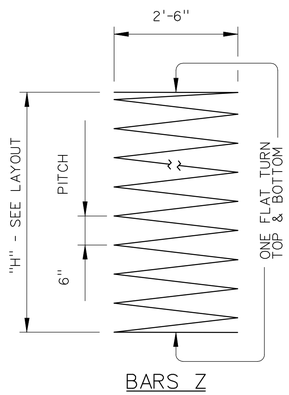


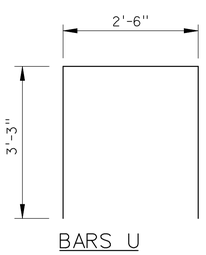
PLAN



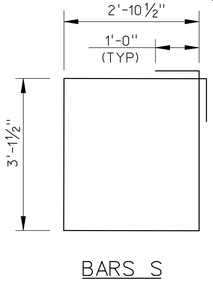
ELEVATION



BARS Z

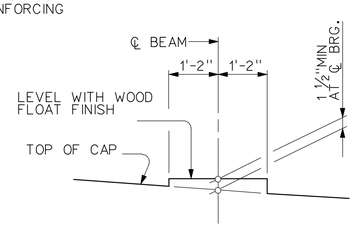


BARS U



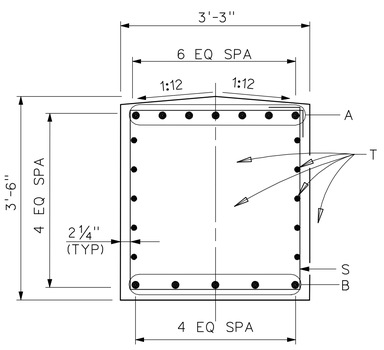
BARS S

BAR BEND DIAGRAMS



BEARING SEAT DETAIL

(BEARING SURFACE SHALL BE CLEAN AND FREE OF ALL LOOSE MATERIAL BEFORE PLACING BEARING PAD.)



SECTION A-A

EVENLY SPACE ALL REINF STEEL

BILL OF REINFORCING STEEL ⓐ

BAR	No	SIZE	LENGTH	WEIGHT
A	8	#11	37'-8"	1,601
B	6	#11	36'-4"	1,158
S	52	#6	14'-0"	1,093
T	10	#5	36'-4"	379
U	2	#5	9'-5"	20
V	30	#9	6'-3"	638
Z	3	#3	80'-0"	90
			TOTAL	4,979

ESTIMATED QUANTITIES

	ITEM	UNIT	QUANTITY
ⓐ	REINFORCING STEEL	LB	4,979
	CLASS C CONC (CAP)	CY	15.9
	CLASS C CONC (COL)	CY	3.1

ⓐ FOR CONTRACTOR INFORMATION ONLY

NOTES:

1. DESIGNED IN ACCORDANCE TO AASHTO LRFD SPECIFICATIONS.
2. ALL CONCRETE SHALL BE CLASS "C" WITH MINIMUM COMPRESSIVE STRENGTH f'c = 3600 PSI.
3. CHAMFER ALL EXPOSED CORNERS ¾" UNLESS OTHERWISE SHOWN FOR NOTED.
4. ALL REINFORCING STEEL SHALL BE ASTM A-615, GRADE 60.
5. ALL REINFORCING STEEL SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.
6. MAXIMUM CALCULATED 36" DIA DRILLED SHAFT LOAD = 326 TONS/SHAFT

RECORD DRAWING

This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness. Original sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING SEALED & SIGNED BY

Wally R. Burns, P.E.

TX NO. 44162

HL 93 LOADING

NO.	REVISION	BY	DATE

City of Rockwall, Texas

205 BYPASS
PHASE 4

NORTHBOUND 205 BYPASS BRIDGE OVER PHELPS CREEK INTERIOR BENT 3 PLAN AND ELEVATION | OF |

TCB | AECOM
TCB INC.
WWW.TCB.AECOM.COM
17300 DALLAS PARKWAY, SUITE 1010
DALLAS, TEXAS 75248

Unit	PW-DAL-FW	Scale	3/8" = 1'-0"	Date	11/23/2009
Designed	SDH	Checked	TCB	Project No.	60004153
Drawn	SDH	Approved	TCB	Sheet	97 of 146

p:\4328\60004153-205bypass\cadd\sheets\phase 4-120+00 to 141+00\record drawing 10_7_09\097_205BP-BR-NB-KD03.dgn
11/23/2009