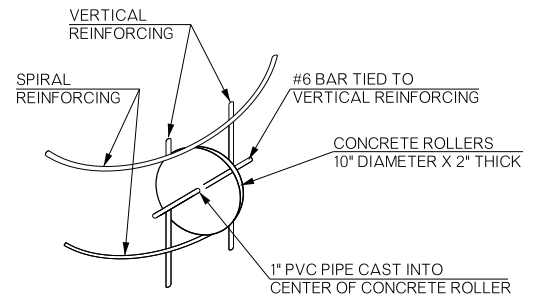
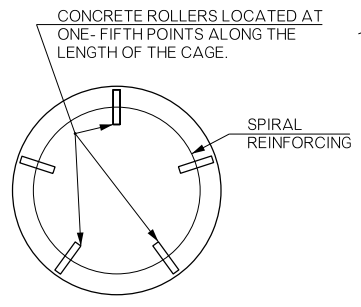


REVISIONS		
REV. NO.	DESCRIPTION	DATE



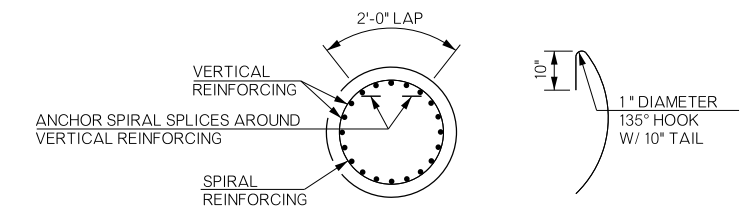
**ROLLER INSTALLATION**



**ROLLER PLACEMENT**

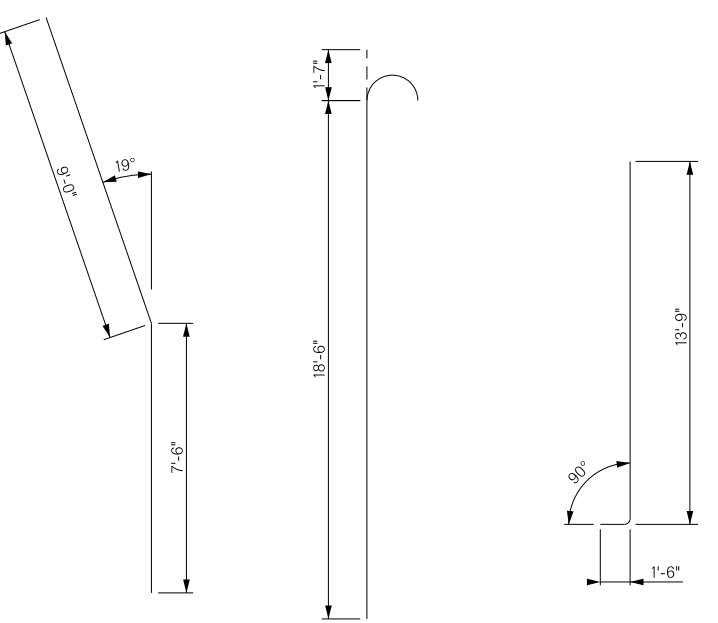
**DETAIL OF CONCRETE ROLLER**

NOTE: CONCRETE USED IN THE CONCRETE ROLLERS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I. PLASTIC ROLLERS MAY BE SUBSTITUTED FOR THE CONCRETE ROLLERS IN ACCORDANCE WITH THE SPECIAL PROVISION FOR DRILLED SHAFT FOUNDATIONS.

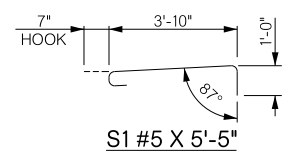


**DETAIL OF SPIRAL REINFORCING SPLICE**

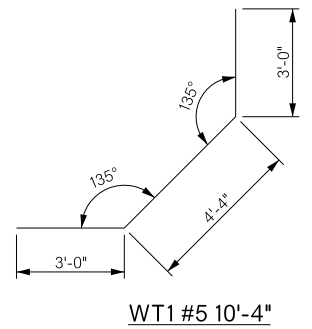
NOTE: SPIRAL BARS SHALL CONFORM TO AASHTO M32. SPIRAL BAR LENGTH DOES NOT INCLUDE LAP. IF LAP IS REQUIRED, THE LENGTH OF THE LAP SHALL BE AS SHOWN.



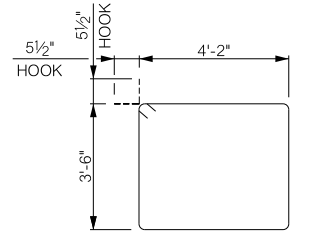
**BV5 #5 X 16'-6"**      **D1 #11 X 20'-1"**      **FV2 #10 X 15'-3"**



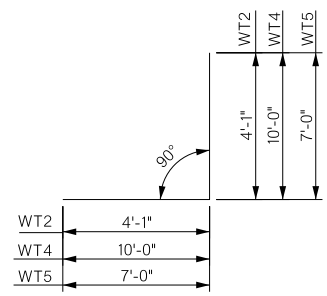
**S1 #5 X 5'-5"**



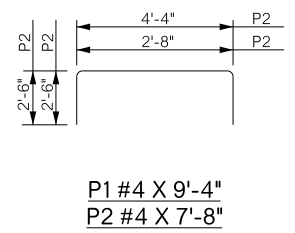
**WT1 #5 10'-4"**



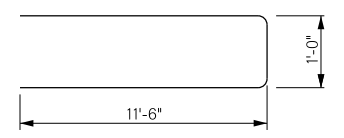
**S2 #5 X 16'-3"**



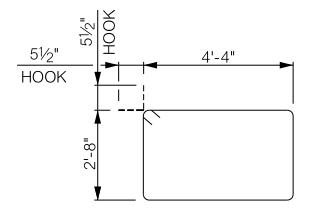
**WT2 #5 X 8'-2"**  
**WT4 #5 X 20'-0"**  
**WT5 #5 X 14'-0"**



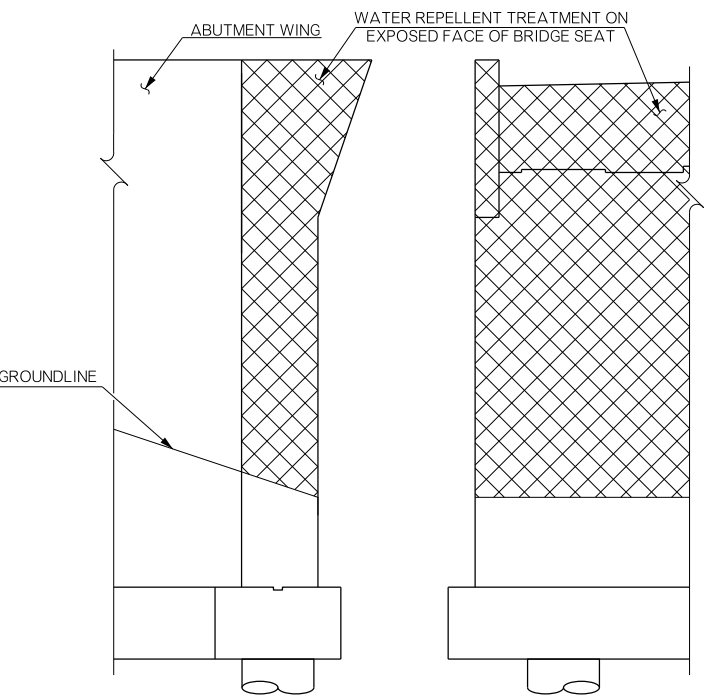
**P1 #4 X 9'-4"**  
**P2 #4 X 7'-8"**



**WT3 #5 X 24'-0"**



**P3 #4 X 14'-11"**



**WATER REPELLENT TREATMENT DETAILS**

NOTE: PLACE WATER REPELLENT TREATMENT ON EXPOSED FRONT FACE AND BOTH ENDS OF BRIDGE SEAT AND BACKWALL, TOP OF BRIDGE SEAT, INCLUDING ALL SURFACES OF PEDESTALS.

**PHASE I BAR LIST - ABUTMENT TWO**

EPOXY COATED					
MARK	NO.	SIZE	FORM	LENGTH	VARIANCE
BH1	63	#5	STR.	40'-9"	
BV1	37	#5	STR.	22'-8"	
BV2	73	#7	STR.	27'-10" AVG	27'-6" TO 29'-2"
BV3	37	#5	STR.	10'-0"	
BV4	10	#6	STR.	28'-8"	
BV5	2	#5	BNT.	16'-6"	
BV6	4	#5	STR.	4'-1" AVG.	2'-8" TO 5'-6"
FH1	18	#8	STR.	40'-2"	
FH2	6	#4	STR.	40'-2"	
FV1	39	#6	STR.	7'-9"	
FV2	73	#10	BNT.	15'-3"	
FV5	2	#6	STR.	7'-9"	
FV6	4	#10	BNT.	15'-10"	
P1	16	#4	BNT.	9'-4"	
P2	24	#4	BNT.	7'-8"	
P3	2	#4	BNT.	14'-11"	
S1	77	#5	BNT.	5'-5"	
S2	48	#5	BNT.	16'-3"	
WT1	5	#5	BNT.	10'-4"	
WT2	41	#5	BNT.	8'-2"	
WT3	17	#5	BNT.	24'-0"	
WT4	5	#5	BNT.	20'-0"	
WT5	29	#5	BNT.	14'-0"	

④

**DRILLED SHAFT**

**EPOXY COATED**

① ②

D1	104	#11	BNT.	20'-1"	
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**NON-EPOXY COATED**

② ③

DS1	4	W20	SPIRAL	402'-5"	
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**PHASE I BAR LIST - ONE WING**

EPOXY COATED					
MARK	NO.	SIZE	FORM	LENGTH	VARIANCE
WH2	60	#5	STR.	29'-2"	
WV1	30	#5	STR.	28'-9"	
WV2	60	#5	BNT.	28'-11"	
FB1	3	#5	BNT.	9'-8"	
FH3	18	#8	STR.	27'-7"	
FH4	6	#5	STR.	27'-7"	
FV5	28	#6	STR.	7'-9"	
FV6	56	#10	BNT.	15'-10"	
S3	40	#5	BNT.	16'-7"	
MH1	28	#4	STR.	3'-10"	
MH2	28	#4	BNT.	4'-2"	
MV1	3	#4	STR.	26'-8"	

① ②

**DRILLED SHAFT**

**EPOXY COATED**

**NON-EPOXY COATED**

② ③

DS1	3	W20	SPIRAL	402'-5"	
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- ① ANY PROJECTED LENGTH PAST TOP OF DRILLED SHAFT SHALL NOT BE CONSIDERED ADDITIONAL PAY LENGTH FOR DRILLED SHAFT.
- ② INCLUDED IN PRICE BID PER LINEAR FOOT OF DRILLED SHAFT
- ③ INCLUDES 3'-8" LAPS
- ④ 2 SETS OF 2 BARS

**PHASE II BAR LIST - ABUTMENT TWO**

EPOXY COATED					
MARK	NO.	SIZE	FORM	LENGTH	VARIANCE
BH1	63	#5	STR.	34'-9"	
BV1	34	#5	STR.	22'-8"	
BV2	68	#7	STR.	27'-10"	27'-6" TO 29'-2"
BV3	37	#5	STR.	10'-0"	
BV4	10	#6	STR.	28'-8"	
BV5	2	#5	BNT.	16'-6"	
BV6	4	#5	STR.	4'-1" AVG.	2'-8" TO 5'-6"
FH1	18	#8	STR.	35'-8"	
FH2	6	#4	STR.	35'-8"	
FV1	36	#6	STR.	7'-9"	
FV2	68	#10	BNT.	15'-3"	
FV5	2	#6	STR.	7'-9"	
FV6	4	#10	BNT.	15'-10"	
P1	16	#4	BNT.	9'-4"	
P2	24	#4	BNT.	7'-8"	
P3	2	#4	BNT.	14'-11"	
S1	70	#5	BNT.	5'-5"	
S2	42	#5	BNT.	16'-3"	
WT1	5	#5	BNT.	10'-4"	
WT2	41	#5	BNT.	8'-2"	
WT3	17	#5	BNT.	24'-0"	
WT4	5	#5	BNT.	20'-0"	
WT5	24	#5	BNT.	14'-0"	

④

**DRILLED SHAFT**

**EPOXY COATED**

① ②

D1	104	#11	BNT.	20'-1"	
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**NON-EPOXY COATED**

② ③

DS1	4	W20	SPIRAL	402'-5"	
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**PHASE II BAR LIST - ONE WING**

EPOXY COATED					
MARK	NO.	SIZE	FORM	LENGTH	VARIANCE
WH2	60	#5	STR.	29'-2"	
WV1	30	#5	STR.	28'-9"	
WV2	60	#5	BNT.	28'-11"	
FB1	3	#5	BNT.	9'-8"	
FH3	18	#8	STR.	27'-7"	
FH4	6	#5	STR.	27'-7"	
FV5	28	#6	STR.	7'-9"	
FV6	56	#10	BNT.	15'-10"	
S3	40	#5	BNT.	16'-7"	
MH1	28	#4	STR.	3'-10"	
MH2	28	#4	BNT.	4'-2"	
MV1	3	#4	STR.	26'-8"	

① ②

**DRILLED SHAFT**

**EPOXY COATED**

**NON-EPOXY COATED**

② ③

DS1	3	W20	SPIRAL	402'-5"	
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BRIDGE "A"		LOGAN COUNTY		Design	GT	11/15
SH-33 OVER COTTONWOOD CREEK				Detail	MAP	11/15
<b>DETAILS OF ABUTMENT NO. 2</b>				Check		
(SHEET 8 OF 8)				Squad	PEARSON	
STATE OF OKLAHOMA				DEPARTMENT OF TRANSPORTATION	Job Piece No.	21860(04)
				Sheet No.	B029	