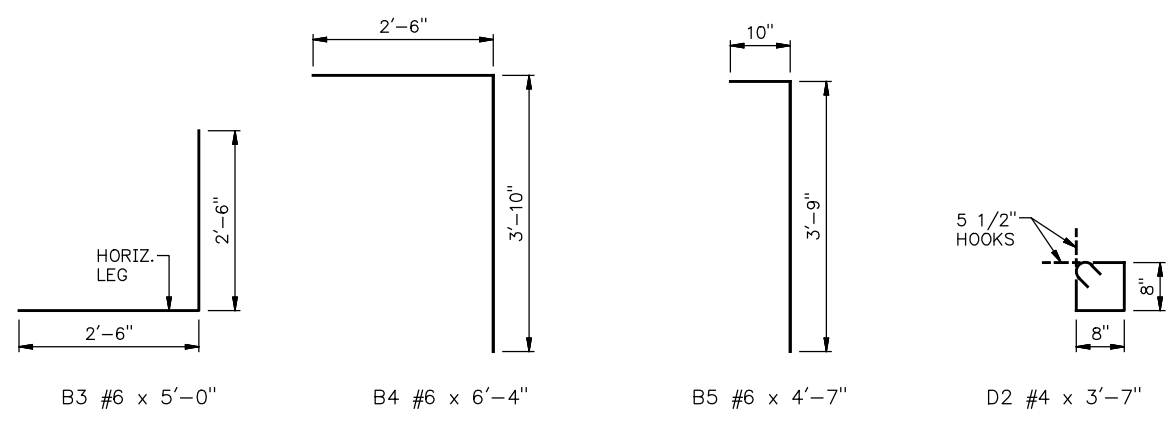


INLET LAYOUT



BAR BEND DETAILS

GENERAL NOTES

DESIGN DATA
 RCB STANDARD BARRELS AND STANDARD END SECTIONS DESIGNED IN ACCORDANCE WITH 2007 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND INTERIM SPECIFICATIONS FROM 2008.

DROP INLET END SECTION DESIGNED IN ACCORDANCE WITH 2014 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS WITH 2016 INTERIMS.

SPECIFICATIONS
 COMPLY WITH THE REQUIREMENTS OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION 2009 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

CONCRETE
 ALL CONCRETE SHALL BE CLASS AA CONCRETE. ALL CONCRETE EDGES SHALL HAVE A 1 1/2" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.

REINFORCING STEEL
 ALL REINFORCING STEEL SHALL BE GRADE 60 AND HAVE A 2" MINIMUM CLEARANCE UNLESS OTHERWISE SHOWN ON THE PLANS. REINFORCING STEEL IN BOTTOM SLAB SHALL BE SUPPORTED ON BAR CHAIRS. CHAIRS SHALL BE SEPARATED ON TIMBER PLANKS OR CLASS C CONCRETE STRIPS SPACED AT 4'-0" CENTERS. THE TOP CHAIR SUPPORTS SHALL BE AT THE ELEVATION OF THE BOTTOM OF FOOTING. REINFORCING STEEL IN THE TOP SLAB SHALL BE SUPPORTED ON SLAB SPACERS. REINFORCING STEEL IN THE WALLS SHALL BE HELD IN PLACE BY METAL CHAIRS. MAXIMUM SPACING OF CHAIRS SHALL BE ON 6'-0" CENTERS. COST OF METAL CHAIRS, WOOD PLANKS, OR CONCRETE STRIPS SHALL BE INCLUDED IN OTHER ITEMS OF WORK. SOME REINFORCING STEEL BAR MARKS ARE REPEATED BETWEEN AND WITHIN STRUCTURES. TO ENSURE THAT ALL BARS ARE PLACED WITH THE CORRECT STRUCTURE OR COMPONENT, THE STRUCTURE NUMBER AND COMPONENT SHOULD ACCOMPANY THE BAR MARK.

INLET GRATE
 SEE ODOT STANDARD SMD-3-1 FOR INLET GRATE DETAILS. TYPE 2B GRATE SHALL BE USED. A TOTAL OF 4 TYPE 2B GRATES ARE REQUIRED FOR STRUCTURE 58. INLET GRATES SHALL BE OF HOT-DIP GALVANIZED. PIPE GRATE ENDS SHALL BE HELD DOWN WITH 1/2" x 3 1/2" GALVANIZED BOLT, WASHER AND NUT MEETING THE REQUIREMENTS OF ASTM A235. BOLT THREADS, 1 1/2", SHALL REMAIN EXPOSED FOR INSTALLING GRATE. COST OF GALVANIZED WELDED STEEL GRATES, ALL COSTS OF LABOR AND MATERIALS NECESSARY TO FABRICATE GRATES, COST OF BOLTS, NUTS, WASHERS, CLIPS, FASTENING DEVICES, AND/OR OTHER ITEMS NECESSARY FOR COMPLETE AND ACCEPTABLE IN PLACE INSTALLATION OF INLET GRATES SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

STRUCTURE 58 DROP INLET END SECTION QUANTITIES		
DESCRIPTION	UNIT	TOTAL
CLASS AA CONCRETE	C.Y.	15.90
REINFORCING STEEL	LB.	4,600.00

STRUCTURE 58 DROP INLET END SECTION BAR LIST					
MARK	NO.	SIZE	FORM	LENGTH	REMARKS
PLAIN REINFORCING BARS					
A4	70	#6	STR.	14'-2"	
A5	32	#6	STR.	2'-9"	
B3	76	#6	BNT.	5'-0"	
B4	50	#6	BNT.	6'-4"	
B5	26	#6	BNT.	4'-7"	
C3	126	#4	STR.	2'-2"	
C4	60	#4	STR.	3'-10"	
C5	66	#4	STR.	3'-6"	
D1	9	#4	STR.	1'-2"	
D2	16	#4	BNT.	3'-7"	
E3	36	#4	STR.	11'-10"	
E4	18	#4	STR.	14'-0"	
E5	30	#5	STR.	11'-10"	
E6	8	#5	STR.	2'-1"	
E7	10	#5	STR.	1'-10"	
E8	72	#5	STR.	4'-0"	
E9	6	#4	STR.	14'-2"	

STRUCTURE 58 DETAILS
 (DETAIL 1 OF 4)

State Job No. 14964(08) Sheet No. 105

OKLAHOMA COUNTY