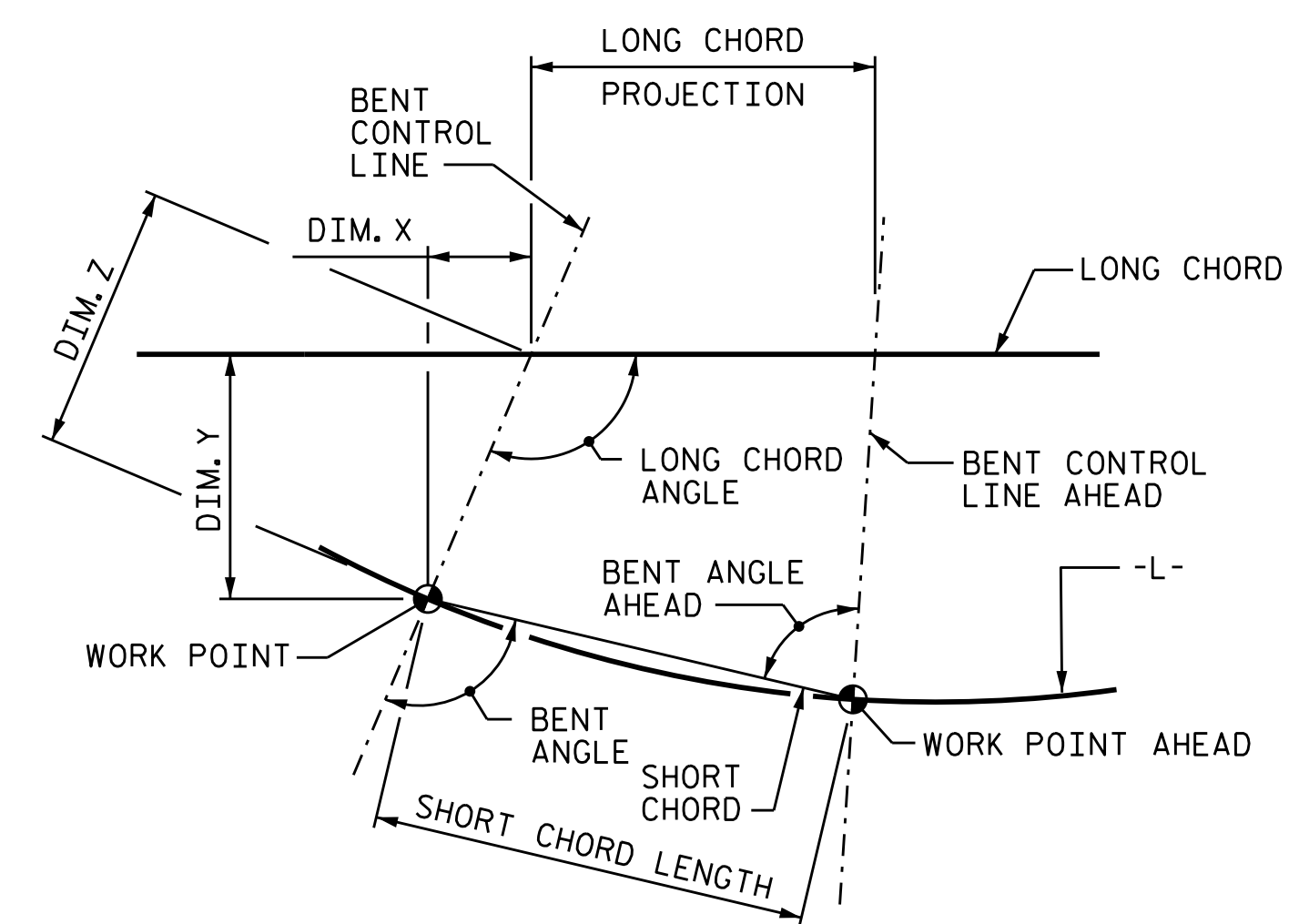
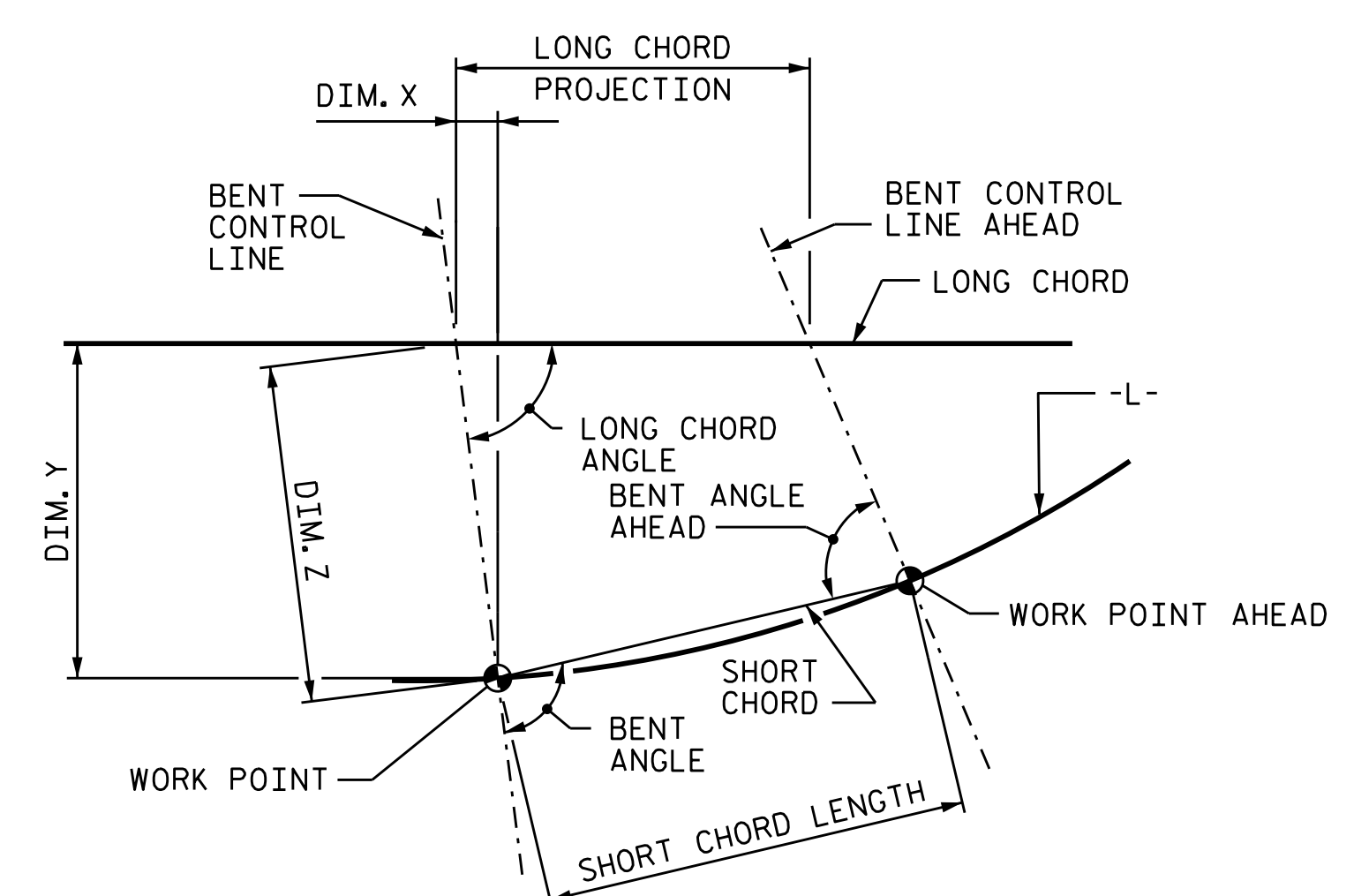


**LONG CHORD 2 LAYOUT**  
(FROM STATION 21+76.25 -L- TO 46+73.75 -L-)

HORIZ. CURVE DATA -L-	
PI STA.	= 34+74.21
Δ	= 27°-28'-03.8" (LT)
D	= 1°-08'-45.3"
L	= 2,397.01'
T	= 1,222.00'
R	= 5,000.00'



**DETAIL "C"**



**DETAIL "D"**

**LONG CHORD ANGLES & DIMENSIONS**

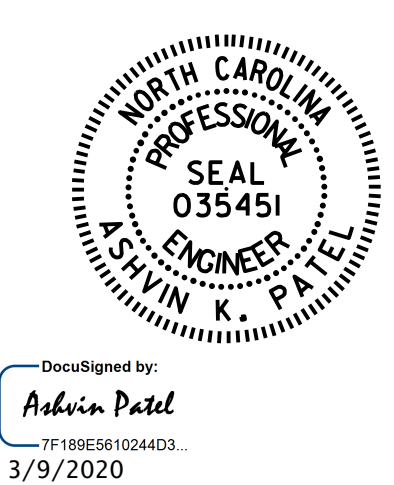
LONG CHORD 2	WORK POINT NUMBER	4	5	6	7	8	9	10	11	12	13	14
	BENT NUMBER	BENT 3	BENT 4	BENT 5	BENT 6	BENT 7	BENT 8	BENT 9	BENT 10	BENT 11	BENT 12	BENT 13
W.P. STATION -L-	21+76.25	23+06.50	24+36.75	25+67.00	26+65.73	28+29.94	29+31.75	30+62.00	31+92.25	33+22.25	34+52.25	
LONG CHORD ANGLE	103°-27'-03"	102°-49'-43"	101°-20'-10"	99°-50'-37"	69°-41'-24"	69°-41'-23"	95°-39'-50"	94°-10'-17"	92°-40'-44"	91°-11'-21"	89°-41'-58"	
BENT ANGLE	90°-07'-47"	90°-44'-47"	90°-44'-47"	90°-33'-57"	61°-55'-07"	63°-26'-33"	90°-44'-47"	90°-44'-47"	90°-44'-41"	90°-44'-41"	90°-44'-47"	
BENT ANGLE AHEAD	89°-30'-27"	89°-15'-13"	89°-15'-13"	60°-24'-44"	61°-55'-06"	89°-25'-00"	89°-15'-13"	89°-15'-13"	89°-15'-19"	89°-15'-19"	89°-15'-13"	
LONG CHORD PROJECTION (FT)	133.579	132.009	130.637	47.398	154.476	158.304	127.159	126.676	126.126	125.989	126.266	
SHORT CHORD LENGTH (FT)	130.249	130.246	130.246	98.728	164.203	101.808	130.246	130.246	129.996	129.996	130.246	
DIMENSION X (FT)	0.000	6.834	11.482	14.091	35.948	44.166	12.934	10.325	6.988	3.191	0.812	
DIMENSION Y (FT)	0.000	30.011	57.274	81.210	97.127	119.331	130.409	141.575	149.356	153.743	154.751	
DIMENSION Z (FT)	0.000	30.779	58.413	82.423	103.566	127.242	131.049	141.951	149.519	153.776	154.753	

LONG CHORD 2	WORK POINT NUMBER	15	16	17	18	19	20	21	22	23	24	25
	BENT NUMBER	BENT 14	BENT 15	BENT 16	BENT 17	BENT 18	BENT 19	BENT 20	BENT 21	BENT 22	BENT 23	BENT 24
W.P. STATION -L-	35+82.50	37+12.50	38+42.50	39+72.75	40+73.00	41+73.25	42+73.50	43+73.50	44+73.50	45+73.75	46+73.75	
LONG CHORD ANGLE	88°-12'-25"	86°-43'-02"	85°-13'-39"	83°-44'-06"	82°-35'-10"	81°-26'-14"	80°-17'-19"	79°-08'-34"	77°-59'-48"	76°-50'-53"	75°-58'-59"	
BENT ANGLE	90°-44'-41"	90°-44'-41"	90°-44'-47"	90°-34'-28"	90°-34'-28"	90°-34'-28"	90°-34'-23"	90°-34'-23"	90°-34'-28"	90°-32'-19"	-	
BENT ANGLE AHEAD	89°-15'-19"	89°-15'-19"	89°-15'-13"	89°-25'-32"	89°-25'-32"	89°-25'-32"	89°-25'-37"	89°-25'-37"	89°-25'-32"	89°-40'-25"	-	
LONG CHORD PROJECTION (FT)	126.229	126.607	127.403	98.547	99.063	99.663	100.098	100.869	101.986	102.688	-	
SHORT CHORD LENGTH (FT)	129.996	129.996	130.246	100.248	100.248	100.248	99.998	99.998	100.248	99.999	-	
DIMENSION X (FT)	4.770	8.410	11.479	13.718	14.707	14.920	14.233	12.527	9.674	5.530	0.000	
DIMENSION Y (FT)	152.371	146.614	137.484	124.957	113.019	99.087	83.168	65.315	45.498	23.668	0.000	
DIMENSION Z (FT)	152.446	146.855	137.962	125.708	113.972	100.204	84.378	66.506	46.515	24.305	0.000	

PROJECT NO. B-4863  
CARTERET COUNTY  
 STATION: 34+75.00 -L-

SHEET 13 OF 16



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**GENERAL DRAWING**  
 FOR BRIDGE OVER  
 'THE STRAITS'  
 ON SR 1335 BETWEEN  
 US 70 AND SR 1337

DRAWN BY : M.A. ALLEN DATE : 7-19  
 CHECKED BY : T.H. CARROLL DATE : 10-19  
 DESIGN ENGINEER OF RECORD: A.K. PATEL DATE : 11-19

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-015
1			3			TOTAL SHEETS
2			4			194