

VICINITY MAP  
NO SCALE

LEGEND

▲ PRIMARY CONTROL MONUMENT, HELD AS CONTROLLING PER THIS SURVEY, SEE SHEET 2 FOR MONUMENT CHARACTER

△ NETWORK MONUMENT, SEE SHEET 2 FOR MONUMENT TYPE AND CHARACTER

###-# OBSERVATION SESSION NUMBER

SCALE: 1"=5000'  
FEET 0 2500 5000 10000 15000

BASIS OF COORDINATES

THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (NAD83(2011)), ZONE 1, EPOCH 2010.00, IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES ARE BASED LOCALLY UPON FIELD OBSERVED TIES TO THE FOLLOWING NATIONAL GEODETIC SURVEY MONUMENTS:

POINT		PUBLISHED NETWORK ACCURACY (2 $\sigma$ )	
DESIGNATION	NGS PID	CIRCULAR ERROR	HEIGHT
002 A	DF5269	0.016	0.042
002 C	DF5271	0.016	0.043
HPGN D CA 03 MO	AE9836	0.014	0.024
BUTTES	DH6418	0.020	0.030
HERIOT	DH6476	0.017	0.029
VINTON	DH6433	0.011	0.020

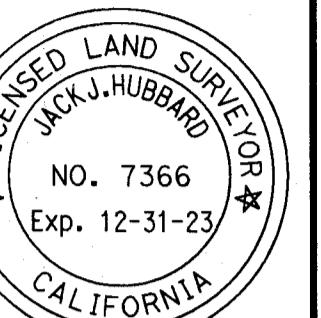
SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION IN MARCH AND APRIL OF 2021.

*Jack J. Hubbard*  
JACK J. HUBBARD, PLS 7366

11-17-2022

DATE



COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYORS' ACT THIS 20 DAY OF November, 2022.

*R. Tom Shantz*  
ROBERT HUNTER, RCE 30515  
PLUMAS COUNTY SURVEYOR

DATE



RECORDER'S STATEMENT

FILED THIS 30<sup>th</sup> DAY OF November, 2022, AT 1:25 P.M. IN BOOK 16 OF RECORD OF SURVEYS AT PAGES 164-165, AT THE REQUEST OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.

*Marcy Demartille*  
MARCY DEMARTELLE  
PLUMAS COUNTY RECORDER

NO FEE PER GOVERNMENT CODE SECTION 6103

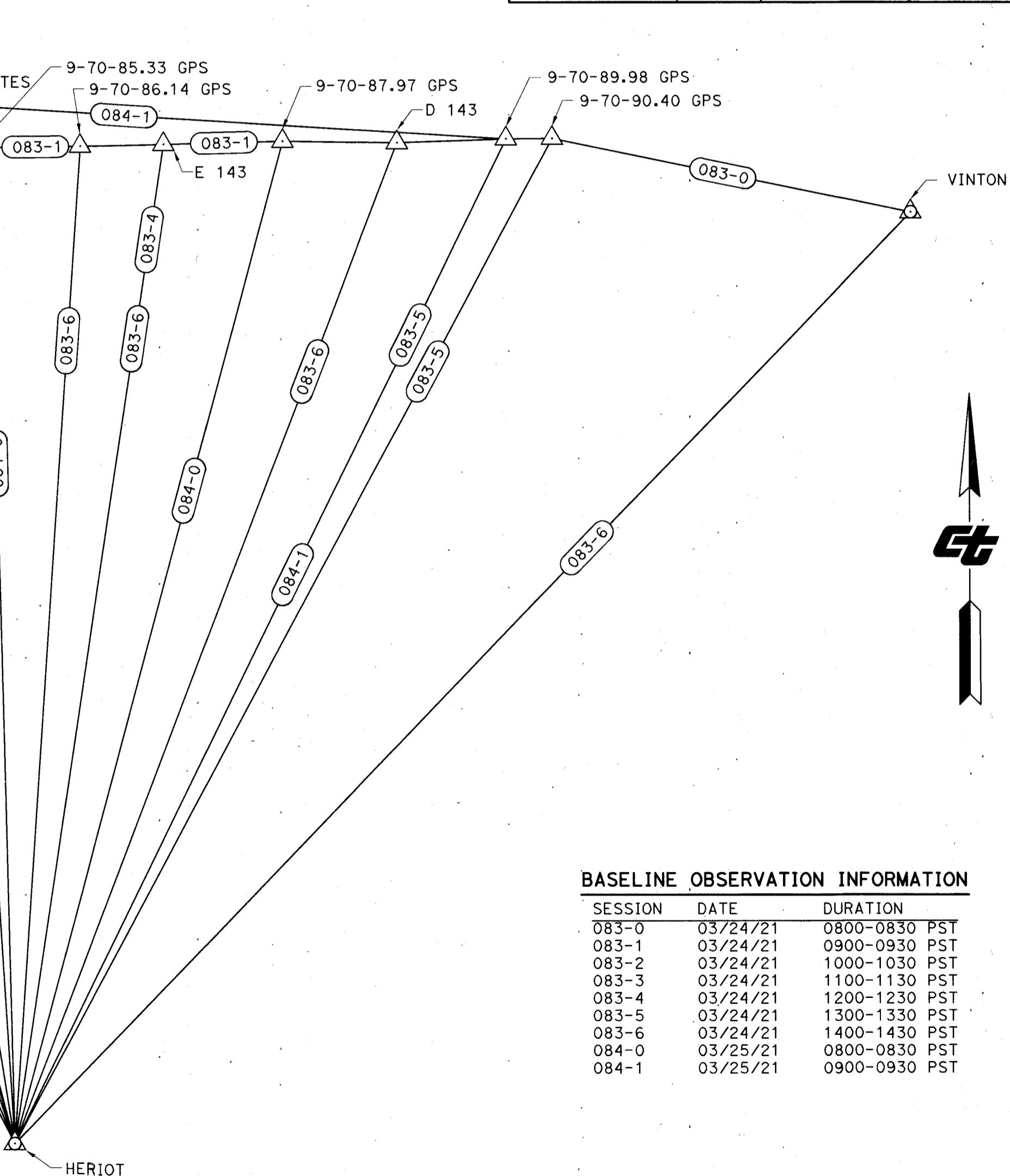
DOCUMENT NUMBER  
2022-000659!

SURVEY PURPOSE:

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH PROJECT CONTROL MONUMENTS IN PLUMAS COUNTY ALONG CALIFORNIA STATE HIGHWAY 70. FIELD DATA FOR THIS SURVEY WAS PLANNED AND COLLECTED UNDER THE SUPERVISION OF JACK HUBBARD, PLS 7366. THE FIELD DATA WAS PROCESSED, ADJUSTED, AND EVALUATED BY CRAIG TURNER, PLS 9594.

BASELINE OBSERVATION & ADJUSTMENT NOTES:

THE BASELINES SHOWN HEREON ARE FOR VISUAL REFERENCE AND REPRESENT ONLY A PERCENTAGE OF THE TOTAL BASELINE OBSERVATIONS COLLECTED. CONTACT THE CALTRANS DISTRICT 2 OFFICE OF SURVEYS IN REDDING FOR A COMPREHENSIVE STATIC GPS REPORT.



BASELINE OBSERVATION INFORMATION

SESSION	DATE	DURATION
083-0	03/24/21	0800-0830 PST
083-1	03/24/21	0900-0930 PST
083-2	03/24/21	1000-1030 PST
083-3	03/24/21	1100-1130 PST
083-4	03/24/21	1200-1230 PST
083-5	03/24/21	1300-1330 PST
083-6	03/24/21	1400-1430 PST
084-0	03/25/21	0800-0830 PST
084-1	03/25/21	0900-0930 PST

STATE OF CALIFORNIA  
CALIFORNIA STATE TRANSPORTATION AGENCY  
DEPARTMENT OF TRANSPORTATION, DISTRICT 2

RECORD OF SURVEY  
FOR GNSS PROJECT CONTROL  
ON NAD83(2011), EPOCH 2010.00

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF PLUMAS, STATE OF CALIFORNIA, ALONG STATE ROUTE 70, FROM POSTMILE 80.1 TO 90.4 SITUATED IN SECTIONS 25,26,27,T23N R14E; 25,29,30,33,34,35, T23N R15E; 29,31,34,T23N R16E; 9,T21N R15E OF THE MOUNT DIABLO BASE AND MERIDIAN

EA:	4H010	EFIS:	0218000068
CO.	RTE.	P.M.	SHEET NO.
PLU	70	80.1 TO 90.4	1 OF 2

16 RS 104

GNSS PROJECT CONTROL MONUMENTS - NAD83(2011) EPOCH 2010.00															
POINT		NAD83(2011) GEODETIC COORDINATES			NETWORK ACCURACY ( $2\sigma$ )		CCS83, ZONE 1 EPOCH 2010.00		ORTHO HEIGHT						
	PID	LATITUDE	LONGITUDE	ELLIP. HEIGHT	CIRCULAR ERROR	HEIGHT	NORTHING	EASTING	ELEVATION	DESCRIPTION			CGF	MAP ANGLE	MONUMENTATION TYPE
9-70-85.33 GPS		39°48'35.42291"	-120°18'16.26579"	4952.897	0.020	0.022	1818620.91	7037988.62	5029.94	COPPER WELD IN ROCK		0.999816511	1°06'31.1"	PROJECT	
9-70-86.14 GPS		39°48'35.14612"	-120°17'20.38002"	4809.412	0.027	0.031	1818677.68	7042349.82	4886.50	BRASS DISK IN PIPE SET IN CONCRETE		0.999823393	1°07'07.7"	PROJECT	
9-70-87.97 GPS		39°48'35.70724"	-120°15'16.45614"	4820.685	0.029	0.034	1818925.19	7052018.17	4897.85	BRASS DISK IN PIPE SET IN CONCRETE		0.999822806	1°08'28.7"	PROJECT	
9-70-89.98 GPS		39°48'34.54526"	-120°12'59.88597"	4841.417	0.025	0.031	1819022.23	7062676.69	4918.64	BRASS DISK IN PIPE SET IN CONCRETE		0.999821915	1°09'58.0"	PROJECT	
9-70-90.40 GPS		39°48'34.27032"	-120°12'31.74466"	4847.520	0.024	0.030	1819039.21	7064873.03	4924.76	BRASS DISK IN PIPE SET IN CONCRETE		0.999821647	1°10'16.4"	PROJECT	
BUTTES	DH6418	39°48'34.48106"	-120°18'39.43208"	4861.821	0.020	0.030	1818490.71	7036182.84	4938.85	FOUND PER NGS DATA SHEET		0.999820945	1°06'16.0"	PRIMARY	
CMON 82.93		39°49'02.51889"	-120°20'50.48785"	4811.516	0.018	0.021	1821132.40	7025903.21	4888.35	CONCRETE MONUMENT		0.999820954	1°04'50.3"	PROJECT	
CMON 83.94		39°48'59.97029"	-120°19'42.37297"	4813.490	0.020	0.024	1820975.37	7031222.44	4890.39	CONCRETE MONUMENT		0.999821077	1°05'34.8"	PROJECT	
D 143	KS0060	39°48'33.80147"	-120°14'06.60529"	4829.713	0.025	0.031	1818841.56	7057472.30	4906.91	BRASS DISK IN CONCRETE		0.999822538	1°09'14.4"	PROJECT	
E 143	KS0061	39°48'35.35896"	-120°16'29.25732"	4812.283	0.029	0.034	1818777.44	7046338.38	4889.41	BRASS DISK IN CONCRETE		0.999823237	1°07'41.1"	PROJECT	
HAWLEY		39°49'05.39539"	-120°22'29.83615"	4811.106	0.021	0.023	1821278.44	7018146.62	4887.83	FOUND PER NGS DATA SHEET		0.999820729	1°03'45.3"	PROJECT	
HERIOT	DH6476	39°40'45.04728"	-120°18'13.93231"	4836.014	0.017	0.029	1771034.33	7039092.01	4913.44	BRASS DISK IN CONCRETE		0.999864977	1°06'32.7"	PRIMARY	
HPGN D CA 03 MO	AE9836	39°49'06.38662"	-120°23'29.11252"	4807.221	0.014	0.024	1821293.39	7013520.05	4883.88	FOUND PER NGS DATA SHEET		0.999820833	1°03'06.6"	PRIMARY	
002 A	DF5269	39°49'09.56808"	-120°21'40.00020"	4822.395	0.016	0.042	1821773.04	7022026.90	4899.16	FOUND PER NGS DATA SHEET		0.999819835	1°04'17.9"	PRIMARY	
002 C	DF5271	39°49'05.70841"	-120°21'07.75223"	4814.666	0.016	0.043	1821429.73	7024550.17	4891.48	FOUND PER NGS DATA SHEET		0.999820532	1°04'39.0"	PRIMARY	
VINTON	DH6433	39°47'55.74208"	-120°08'53.56024"	4948.284	0.011	0.020	1815495.24	7081979.51	5025.70	FOUND PER NGS DATA SHEET		0.999820152	1°12'39.1"	PRIMARY	

**SURVEY NOTES:**

1. CADT IS AN ACRONYM FOR THE CALIFORNIA DEPARTMENT OF TRANSPORTATION A.K.A CALTRANS.
2. ALL COORDINATES AND DISTANCES SHOWN ARE IN TERMS OF THE U.S. SURVEY FOOT UNLESS NOTED OTHERWISE.
3. ORTHOMETRIC HEIGHTS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 DERIVED USING GEOID MODEL GEOID18.
4. COORDINATE ERRORS ARE CALCULATED PER THE STANDARDS SET BY THE FEDERAL GEOGRAPHIC DATA COMMITTEE'S GEOSPATIAL POSITIONING ACCURACY STANDARDS, SPECIFICALLY FGDC-STD-007.3-1998 (PART 3 NATIONAL STANDARD FOR SPATIAL DATA ACCURACY).
5. ALL PRIMARY AND PROJECT CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY CONFORM TO THE STANDARDS OF 0.07' (2CM) NETWORK ACCURACY, OR HIGHER, FOR HORIZONTAL AND VERTICAL POSITIONAL ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015) UNLESS NOTED OTHERWISE.
6. ALL SUPPLEMENTAL CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY MEET OR EXCEED THE STANDARDS OF 0.07 FT (2CM) LOCAL ACCURACY FOR HORIZONTAL POSITIONAL ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015) UNLESS NOTED OTHERWISE.
7. PRIMARY, PROJECT, AND SUPPLEMENTAL MONUMENT TYPES ARE FURTHER DEFINED IN SECTION 5.8, CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015).
8. THIS SURVEY WAS CONDUCTED UTILIZING STATIC GPS SURVEY METHODS IN ACCORDANCE WITH CHAPTER 6 OF THE CALTRANS SURVEYS MANUAL (2012). FIELD MEASUREMENTS WERE COLLECTED USING TRIMBLE R8 GNSS RECEIVERS. THE GNSS DATA WAS PROCESSED AND THE SURVEY NETWORK WAS ADJUSTED (USING A LEAST SQUARES ADJUSTMENT) IN TRIMBLE BUSINESS CENTER VERSION 5.40 SOFTWARE.
9. USC&GS STATIONS D 143 (PID KS0060) AND E 143 (PID KS0061) WERE NOT CONSTRAINED AS PRIMARY CONTROL DUE TO LOCAL SUBSIDENCE.

STATE OF CALIFORNIA  
CALIFORNIA STATE TRANSPORTATION AGENCY  
DEPARTMENT OF TRANSPORTATION, DISTRICT 2

**RECORD OF SURVEY  
FOR GNSS PROJECT CONTROL  
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OF THE MOUNT DIABLO BASE AND MERIDIAN

EA:	4H010	EFIS:	0218000068
CO.	RTE.	P.M.	SHEET NO.
PLU	70	80.1 TO 90.4	
			2 OF 2

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