WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RIGHT OF WAY PLANS
OF
STATE HIGHWAY

STATE PROJECT NO. X333-2-0.18

CO. ROUTE NO. 2

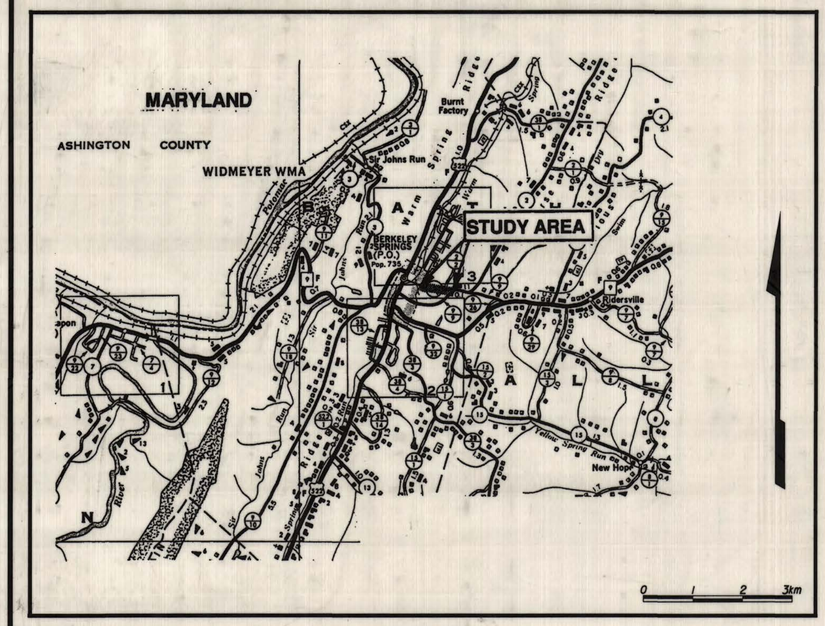
BATH DISTRICT

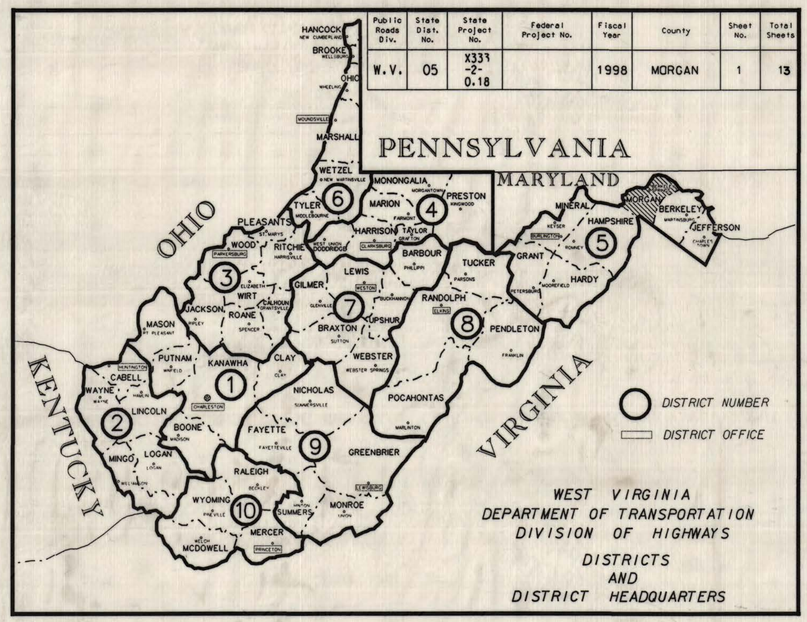
MORGAN COUNTY

DAVIS ROAD

	STATION		STATION		ft.		(m)		mile		(km)
Roadway	1+025.730	to	1+573.560	=	1797.34	=	547.830	=	0.34	=	0.548

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	05	X333 -2- 0.18		1998	MORGAN	1	13

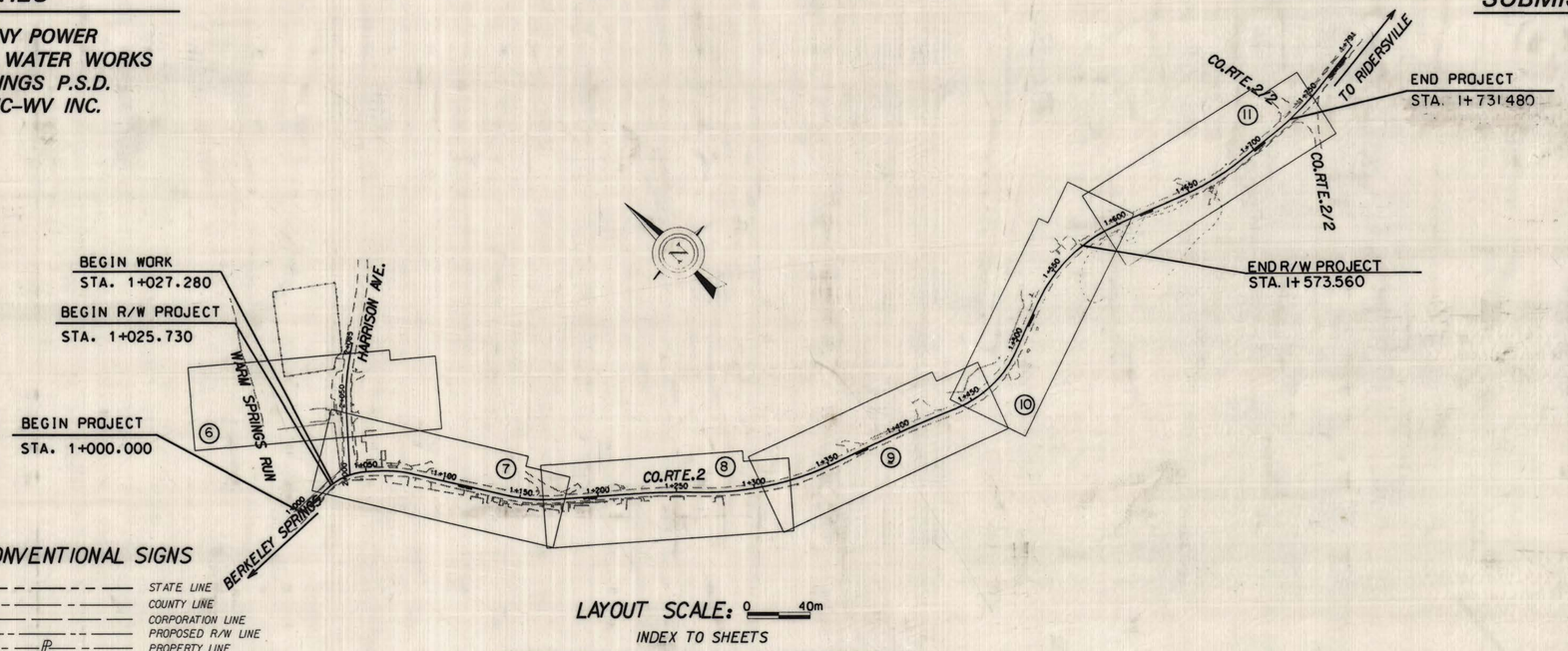




UTILITIES

ALLEGHENY POWER
BERKELEY SPRINGS WATER WORKS
WARM SPRINGS P.S.D.
BELL ATLANTIC-WV INC.

SUBMISSION: RW-3



SCALES

PLAN HOR. 0 5m

PROFILE VERT. 2m 0 HOR. 0 5m

CONVENTIONAL SIGNS

- STATE LINE
- COUNTY LINE
- CORPORATION LINE
- PROPOSED R/W LINE
- PROPERTY LINE
- EXISTING FENCE
- PROPOSED FENCE
- EDGE OF STREAM
- PROPOSED GUARD RAIL
- EXISTING GUARD RAIL
- RAILROAD
- GAS LINE
- WATER LINE
- TELEPHONE LINE
- ELECTRIC LINE
- TELEPHONE POLE
- POWER POLE
- COMBINED POWER AND TELEPHONE POLE
- TREE
- SHRUB
- RIGHT OF WAY MARKER

DESIGN DESIGNATION

A.D.T. (1997)	= 2000
A.D.T. (2017)	= 3400
D.H.V.	= 510
D	= 60/40
T	= 5%
V	= 50 km/hr

LAYOUT SCALE: 0 40m

INDEX TO SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2	OWNERSHIP INDEX
3-5	PROPERTY MAPS
6-11	PLAN AND PROFILE SHEETS
12	TYPICAL SECTIONS
13	GEOMETRIC LAYOUT

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

July 24 1998

I HEREBY CERTIFY THAT THIS IS A CORRECT COPY OF THE PLANS OF PROJECT X333-2-0.18

Patricia Crookshanks
EXECUTIVE SECRETARY

RECOMMENDED Jeff Williams
DESIGNER

RECOMMENDED FOR APPROVAL Joseph T. Dunn
STATE HIGHWAY ENGINEER

APPROVED Samuel H. Beverage
COMMISSIONER OF HIGHWAYS

PROJECT NO. X333-2-0.18

S-A

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	5	X333 -2- 0.18		1998	MORGAN	2	13

PARCEL NO.	PLAN SHEET NO.	TITLEHOLDER	RECORDED DEED BOOK	RECORDED PAGE NO.	TRACT NO.	AREA - Square Meters / Square Feet or Hectares (a) / Acre (a) C/A	NON-C/A	EASEMENT TYPE	EASEMENT AREA	REMAINING LEFT	REMAINING RIGHT	REMAINING TOTAL	TOTAL TAKEN	PARCEL TOTAL	REMARKS	R/W DEED RECORD DEED BOOK	R/W DEED RECORD PAGE NO.
1	8	GENEVIEVE L. HOFE	51 WB 14	293 294			47.062 506.57			1198.617 12901.81	0	1198.617 12901.81	47.062 506.57	1245.679 13408.38		187	180
2	6	ALICE L. CLOSE	172 103	246 562				P.D.E.	519.411 5590.89	1036.400 11155.72	0	1036.400 11155.72	519.411 5590.89	1555.811 16746.61		187	177
3	6-7	WILLIAM E. & DARLENE M. MYERS	186	665			15.617 168.10			550.945 5930.32	0	550.945 5930.32	15.617 168.10	566.562 6098.42		188	310
4	6-7	PEGGY J. HUDAK	147	551			89.089 958.95			1934.347 20821.14	0	1934.347 20821.14	89.089 958.95	2023.436 21780.08		190	577
5	7-8	ROBERT L., JR. AND STACEY A. DUGAN	167	254				T.C.E.	5.582 60.08	979.078 10538.71	0	979.078 10538.71		979.078 10538.71	PARCEL TOTAL CALCULATED FROM DEED 1092.656 m2	187	227
6	8	GARY A. AND SHERRY L. COTTLE	140	175	1		22.141 238.32			1167.640 12568.37	0	1167.640 12568.37	22.141 238.32	1189.781 12806.70		187	558
					2			T.C.E.	13.235 142.46								
7	8-9	JEANNE-RENEE JONES	185	773			575.561 6195.29			12981.462 139731.29	0	12981.462 139731.29	575.561 6195.29	13557.023 145926.58		187	562
8	9	DANA JAY AND PAMELA DIANE PROCTOR	141	159			33.108 356.37			3730.484 40154.60	0	3730.484 40154.60	33.108 356.37	3763.592 40510.97	PARCEL TOTAL CALCULATED FROM DEED 4046.873 m2	191	436
9	9-10	DONALD L. MASON, life estate	162	809	1		12.810 137.89			6877.569 74029.53	0	6877.569 74029.53	204.458 2200.77	7082.027 76230.30	SECOND PARCEL OF DEED	188	258
		Gregory L. Mason		413	2		187.562 2018.90										
					3		4.086 43.98										
10															DELETED		
11															DELETED		
12	8	EDWARD W. UNGER	55	180			63.305 681.41				0	577.726 6218.59	577.726 6218.59	63.305 681.41	641.031 6900.00	FIRST PARCEL OF DEED	187	608
13	8-9	MARY JOANN HARRIS	155	670			385.263 4146.94				0	1415.595 15237.34	1415.595 15237.34	385.263 4146.94	1800.858 19384.27		187	605
14	9	JAMES EDWARD AND SANDRA GAYLE MCDONALD	95	537			224.378 2415.18				0	787.340 8474.86	787.340 8474.86	224.378 2415.18	1011.718 10890.04		187	847
15	9-10	DANIEL M. AND JULIA J. KELLEY	158	800			429.700 4625.25				0	3289.376 35406.55	3289.376 35406.55	429.700 4625.25	3719.076 40031.80	PARCEL A OF DEED	188	475
16	10	MORGAN COUNTY BLDG COMMISSION	167	465				T.C.E.	5.355 57.64		0	5.300 ha 13.08 ac	5.300 ha 13.08 ac	0	5.300 ha 13.08 ac	PARCEL TOTAL CALCULATED FROM DEED 54066.218 m2	187	310
17	7-11	TRISTATE CABLE															

UTILITIES

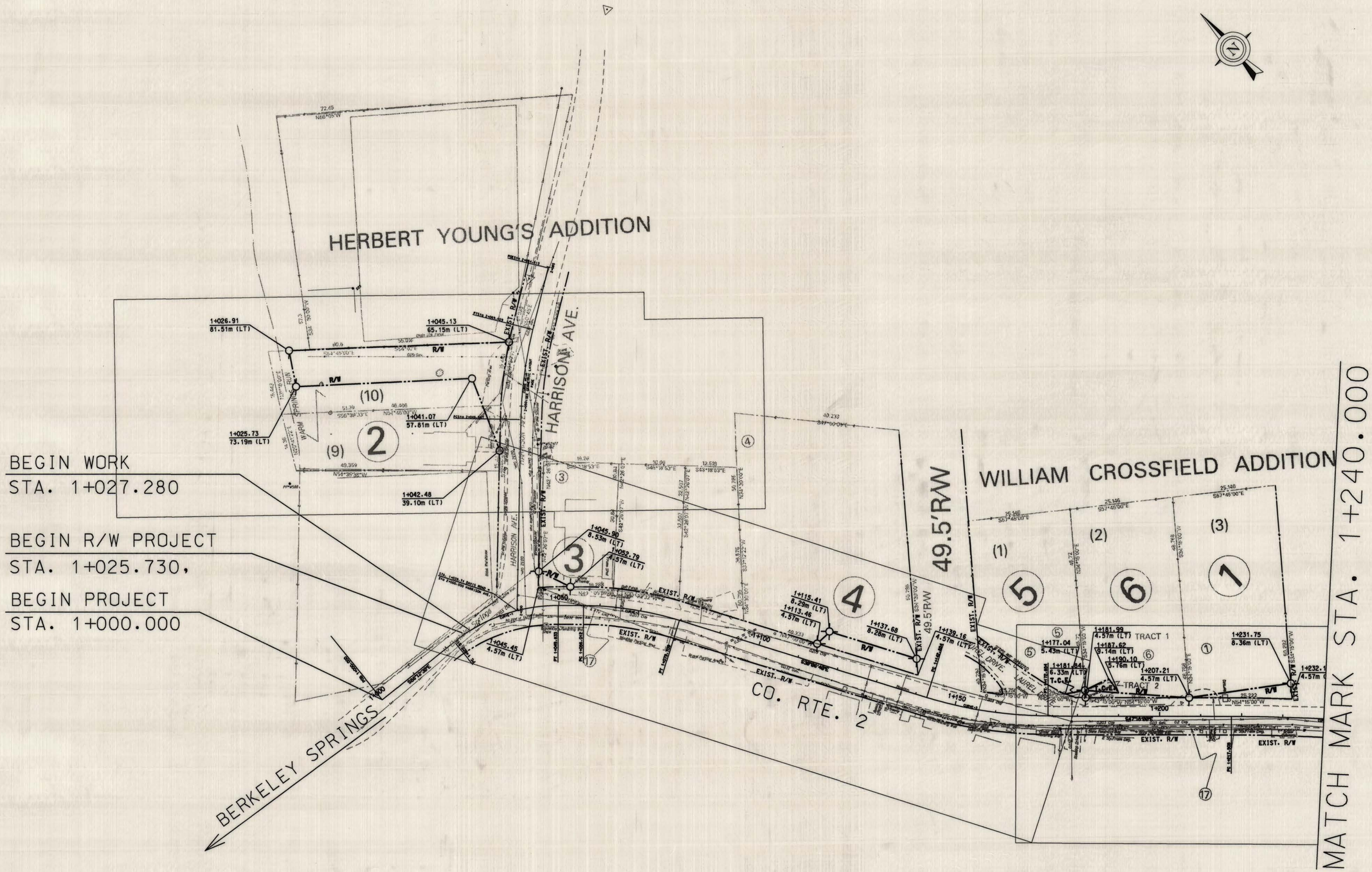
STATION	SHEET NO	DESCRIPTION	DISPOSITION
1+046.56, 4.42m LT.	2	POWER POLE #M119/20-1	TO BE RELOCATED BY OTHERS
1+046.97, 4.00m LT.	2	GUY POLE #M120	TO BE RELOCATED BY OTHERS
1+175.74, 3.06m RT.	3	POWER POLE #M110/20-4	TO BE RELOCATED BY OTHERS
1+235.48, 2.99m RT.	3	POWER POLE #M113/20-5	TO BE RELOCATED BY OTHERS
1+280.92, 3.36m RT.	3	POWER POLE #M114/20-6	TO BE RELOCATED BY OTHERS
1+323.95, 5.94m RT.	4	TELEPHONE POLE #20-7/M3	TO BE RELOCATED BY OTHERS
1+370.95, 5.55m RT.	4	TELEPHONE POLE #20-8/M4	TO BE RELOCATED BY OTHERS
1+430.73, 6.65m RT.	4	POWER POLE #M143	TO BE RELOCATED BY OTHERS
1+430.73, 6.65m RT.	4	TELEPHONE POLE #20-9	TO BE RELOCATED BY OTHERS
1+495.46, 5.57m LT.	5	POWER POLE #M196	TO BE RELOCATED BY OTHERS
1+574.25, 4.55m LT.	5	POWER POLE #M73937	TO BE RELOCATED BY OTHERS
1+032.55, 70.85m LT. TO 1+042.40, 62.12m LT.	1 1	0.051m GALV. WATER LINE	TO BE RELOCATED BY OTHERS
1+042.53, 43.71m LT. TO 1+043.79, 47.89m LT.	1 1	LATERAL SERVICE LINE	TO BE RELOCATED BY OTHERS
1+043.79, 47.89m LT. TO 1+044.01, 41.15m LT.	1 1	0.032m GALV. WATER LINE	TO BE RELOCATED BY OTHERS
1+041.71, 6.85m LT. TO 1+043.45, 7.94m LT.	2 2	0.152m DUCTILE IRON	TO BE RELOCATED BY OTHERS
1+042.77, 6.02m LT. TO 1+043.04, 8.27m LT.	2 2	0.032 GALV. WATER LINE	TO BE RELOCATED BY OTHERS
1+065.00, 1.30m LT. TO 1+065.00, 3.31m LT.	2 2	LATERAL SERVICE LINE	TO BE RELOCATED BY OTHERS
1+112.83, 2.83m RT. TO 1+177.92, 2.23 - 3.14m RT.	2 3	0.032m GALV. WATER LINE	TO BE RELOCATED BY OTHERS
1+242.32, 2.15m RT. TO 1+268.13, 3.32m RT.	3 3	0.032 GALV. WATER LINE	TO BE RELOCATED BY OTHERS
1+049.37, 2.38m RT. TO 1+050.60, 2.39m RT.	2 2	0.032 GALV. WATER LINE	TO BE RELOCATED BY OTHERS
1+042.41, 50.91m LT. TO 1+043.26, 52.46m LT.	1 1	LATERAL SANITARY SEWER	TO BE RELOCATED BY OTHERS
1+063.92	2	LATERAL SANITARY SEWER	TO BE RELOCATED BY OTHERS
1+083.68 TO 1+097.85	2	0.203 CLAY SAN SEWER	TO BE RELOCATED BY OTHERS
1+117.74 TO 1+118.94	2	0.203 CLAY SAN SEWER	TO BE RELOCATED BY OTHERS
1+127.78	2	LATERAL SANITARY SEWER	TO BE RELOCATED BY OTHERS
1+136.50	2	LATERAL SANITARY SEWER	TO BE RELOCATED BY OTHERS
1+156.17	2	LATERAL SANITARY SEWER	TO BE RELOCATED BY OTHERS
1+164.57 TO 1+173.96	2-3	0.203 CLAY SAN SEWER	TO BE RELOCATED BY OTHERS
1+178.64	3	LATERAL SANITARY SEWER	TO BE RELOCATED BY OTHERS
1+213.22	3	LATERAL SANITARY SEWER	TO BE RELOCATED BY OTHERS
1+363.09 TO 1+364.45	4	0.203 CLAY SAN SEWER	TO BE RELOCATED BY OTHERS

REVISION NO.	SHEET NO.	REVISION	DATE	BY

WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

OWNERSHIP AND UTILITY INDEX

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	5	X333 -2- 0.18		1998	MORGAN	3	13



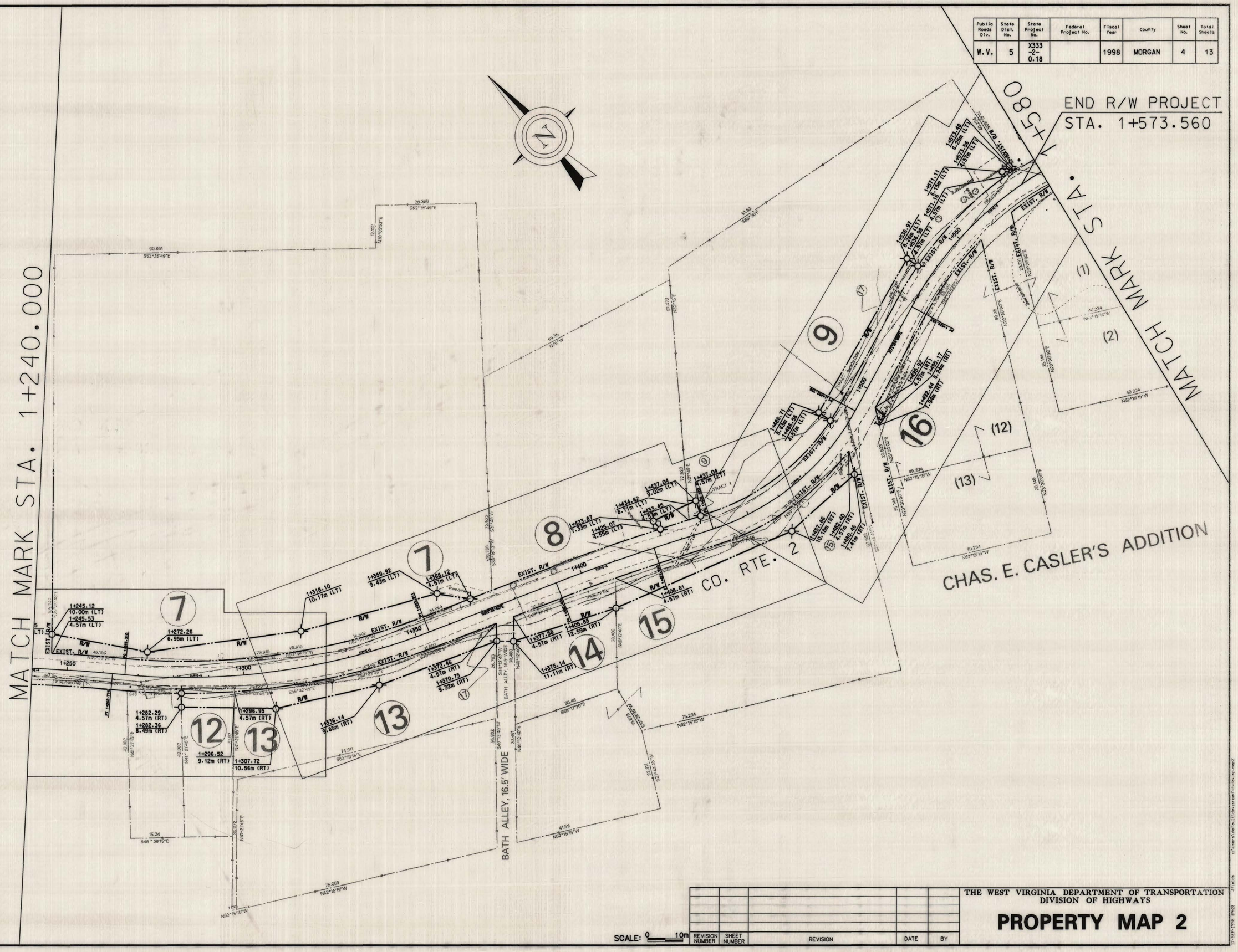
SCALE: 0 10m

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPERTY MAP 1

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	5	X333 -2- 0.18		1998	MORGAN	4	13



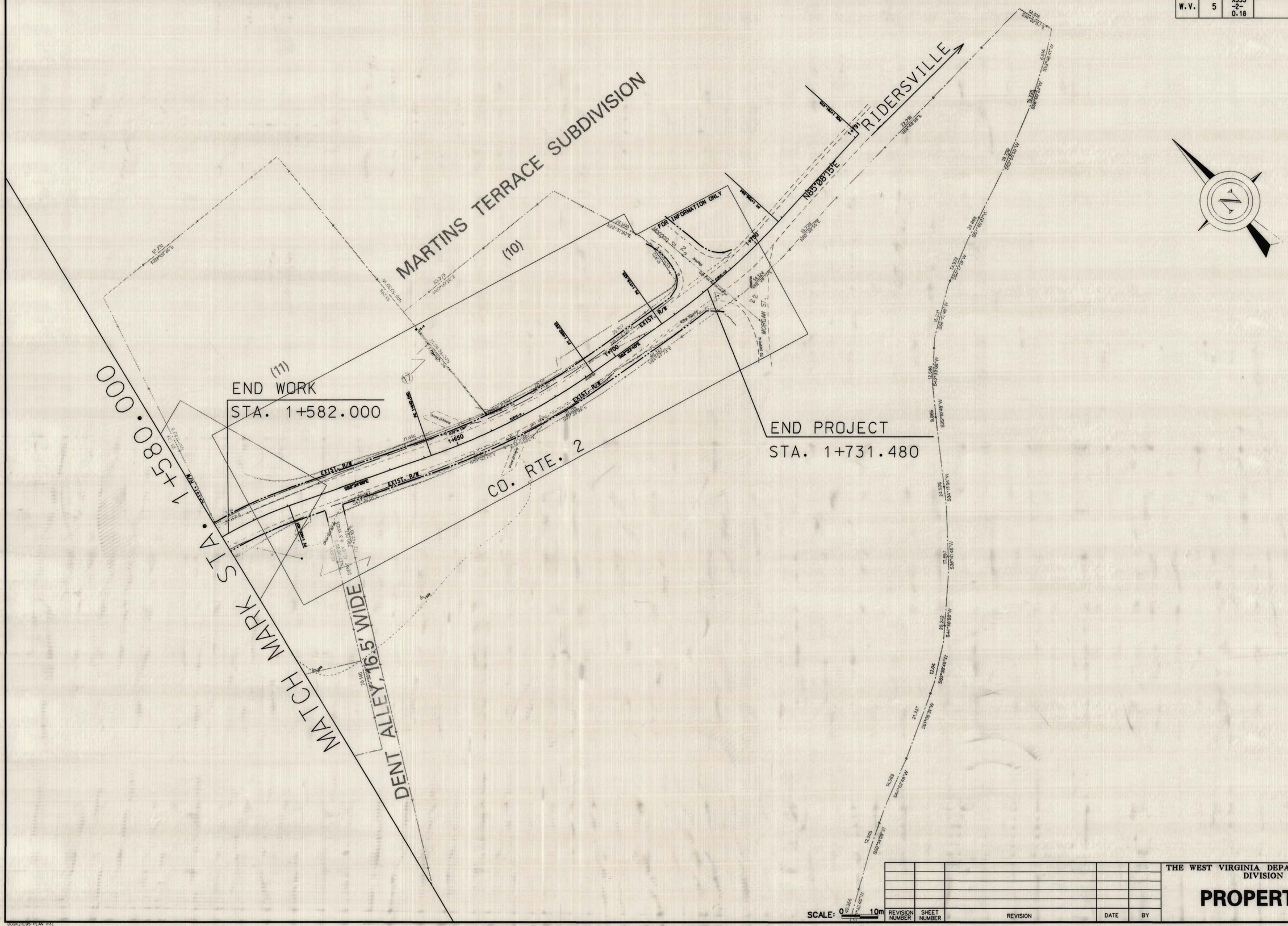
SCALE: 0 10m

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPERTY MAP 2

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	5	X333 -2- 0.18		1998	MORGAN	5	13



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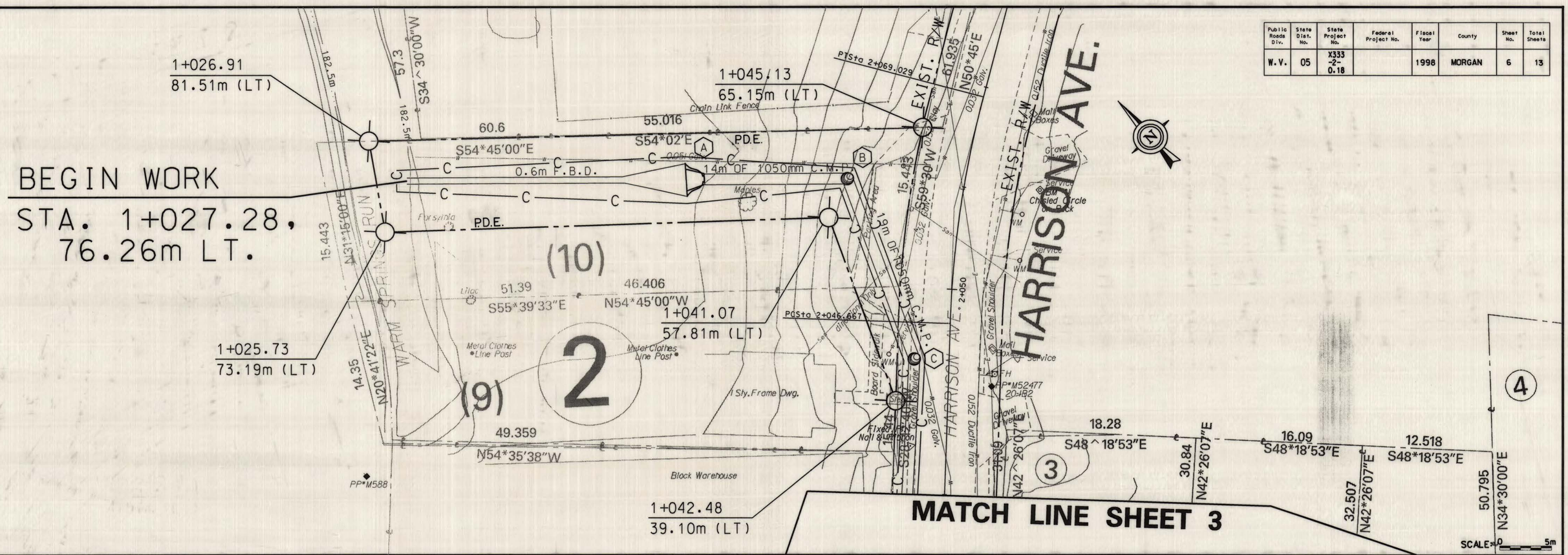
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPERTY MAP 3

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	05	X333 -2- 0.18		1998	MORGAN	6	13



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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN & PROFILE SHEET

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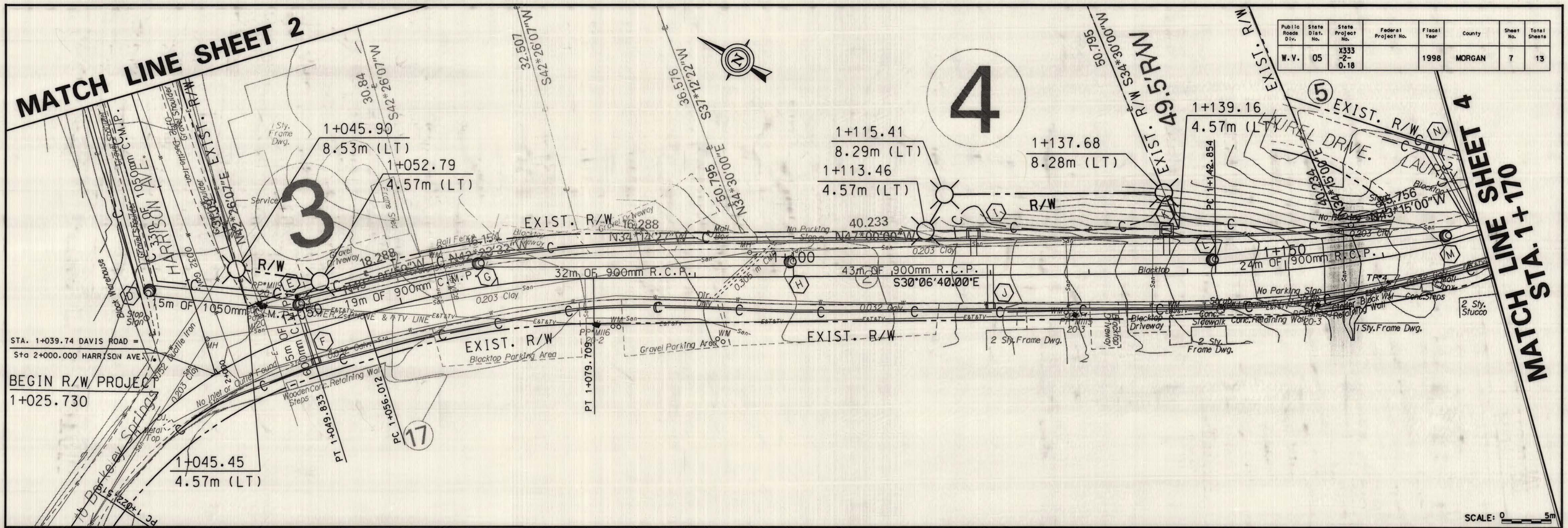
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	05	X333 -2- 0.18		1998	MORGAN	7	13



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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN & PROFILE SHEET

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
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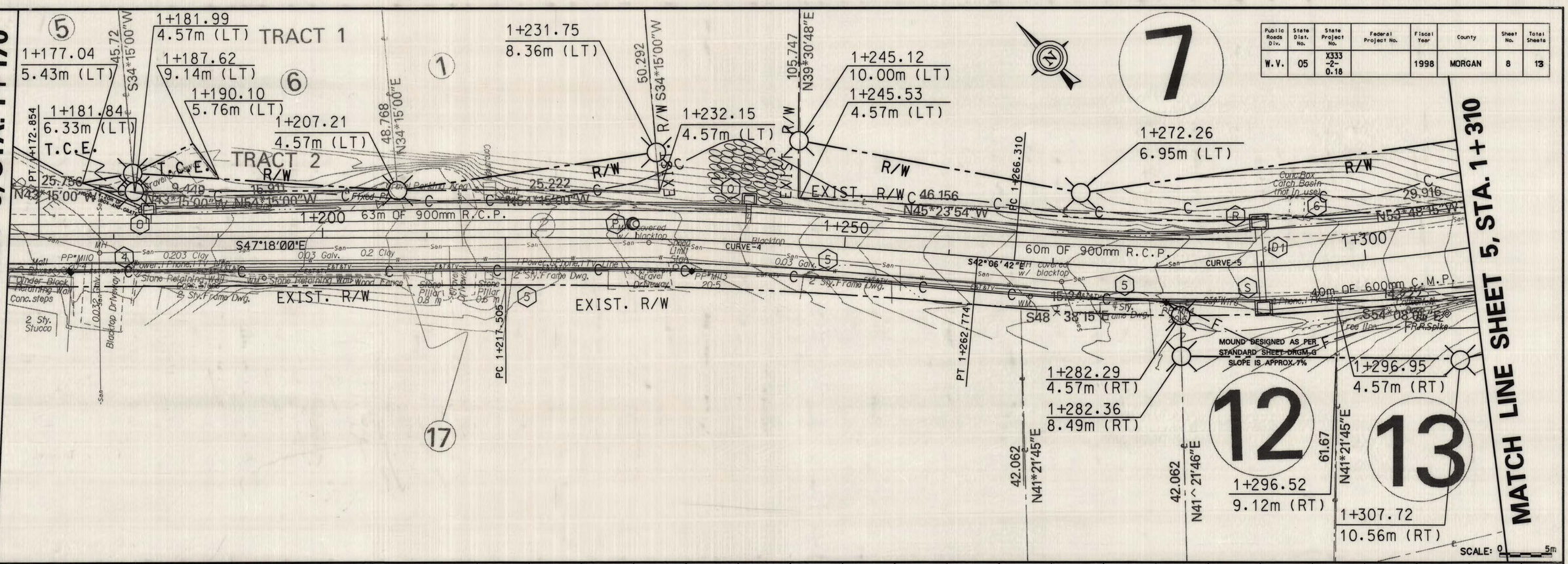
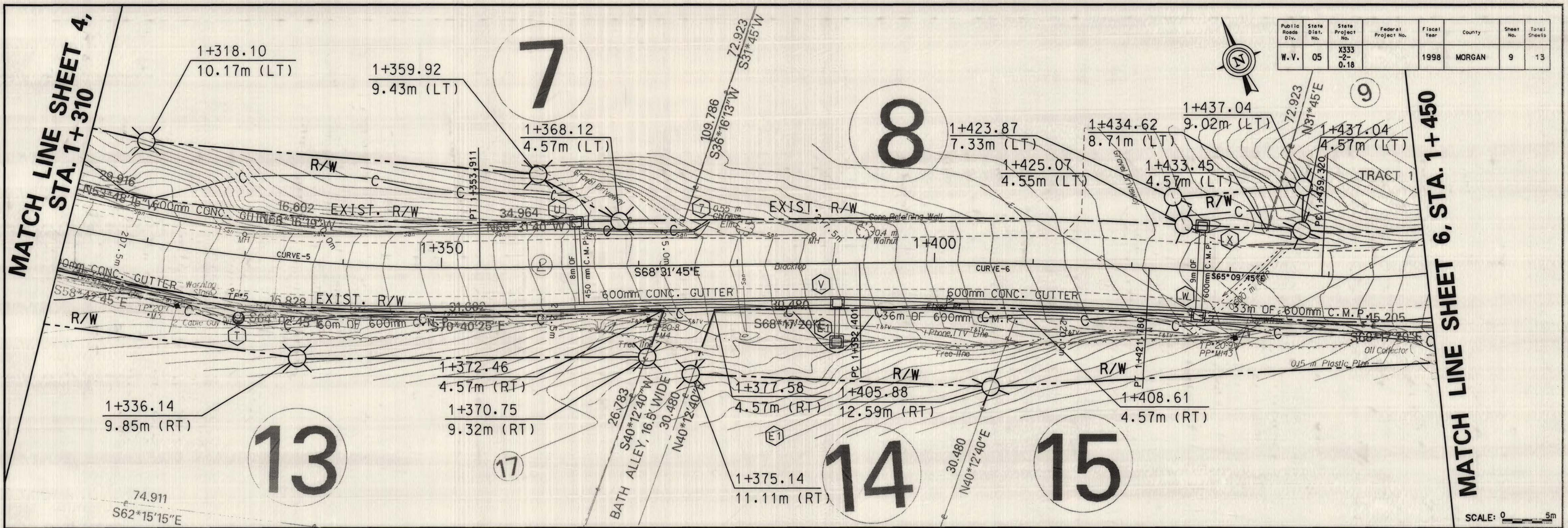


REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN & PROFILE SHEET

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	05	X333 -2- 0.18		1998	MORGAN	9	13



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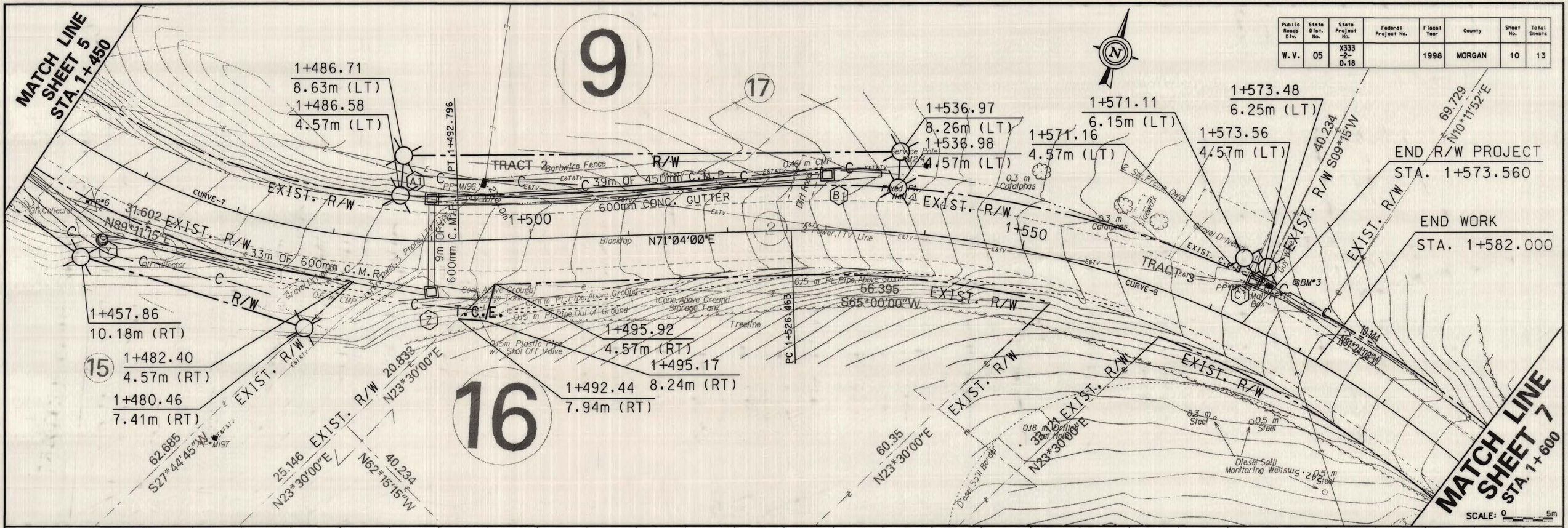
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN & PROFILE SHEET

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	05	X333 -2- 0.18		1998	MORGAN	10	13



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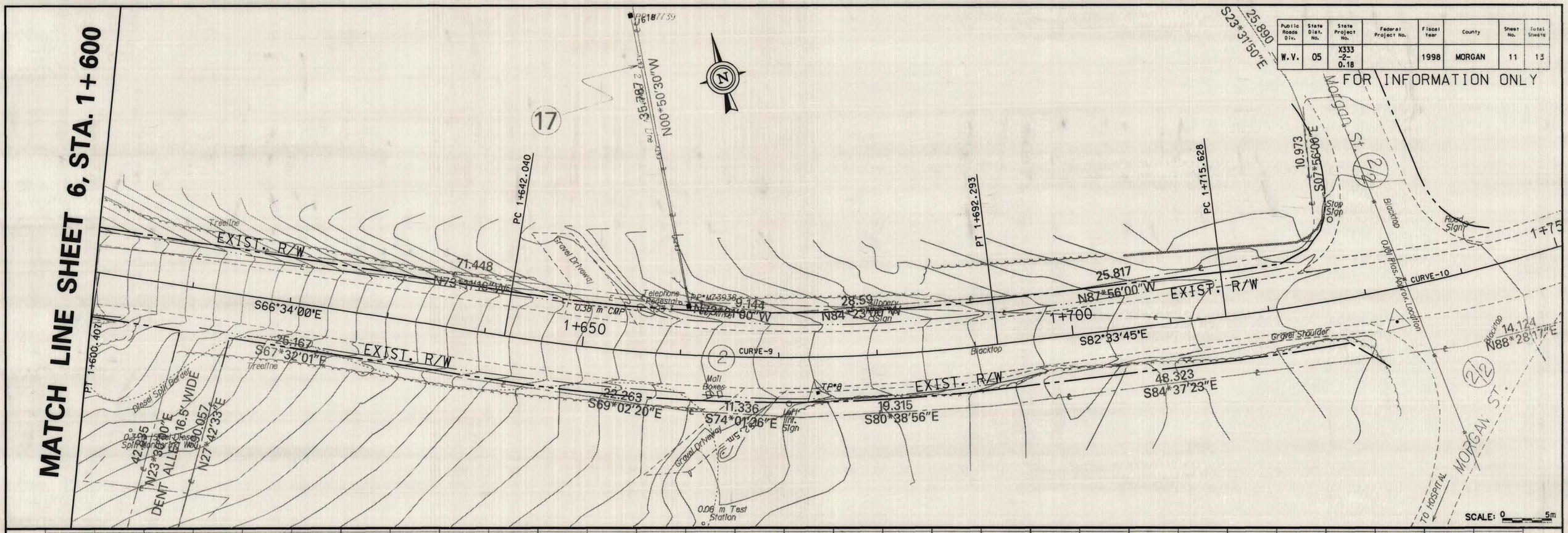
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN & PROFILE SHEET

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	05	X333 -2- 0.18		1998	MORGAN	11	13

FOR INFORMATION ONLY



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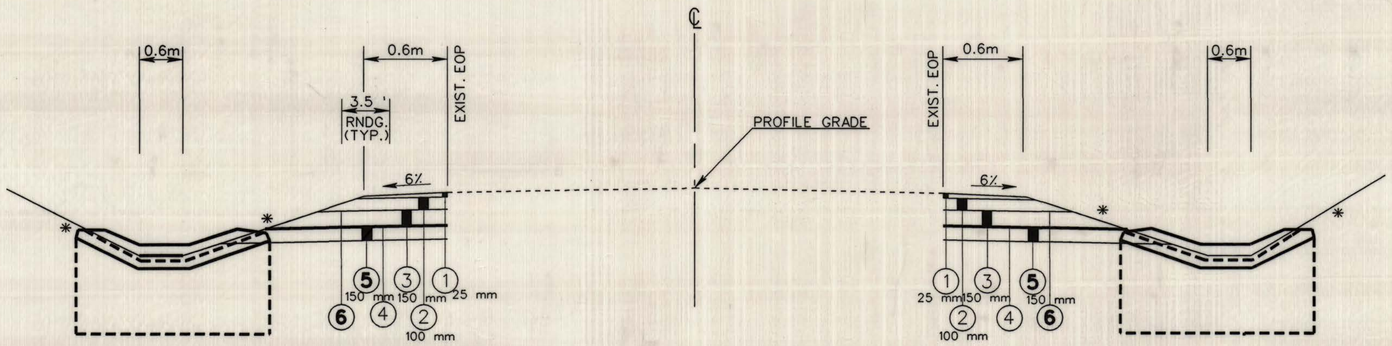
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN & PROFILE SHEET

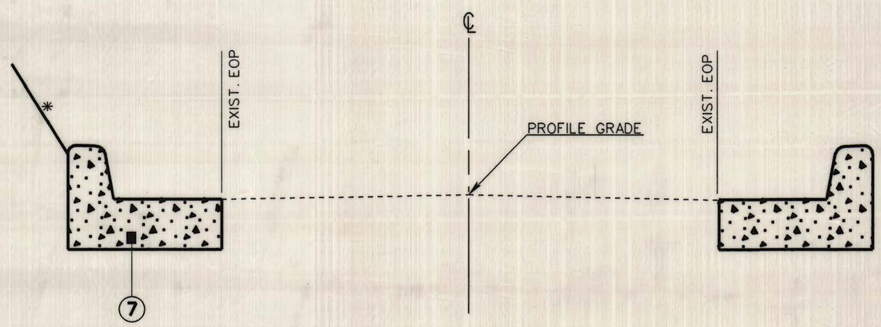
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	05	X333 -2- 0.18	N/A	1998	MORGAN	12	13



MORGAN COUNTY ROUTE 2

STA. 1+290 TO STA. 1+720

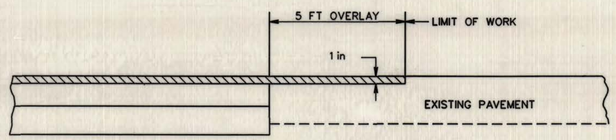
1. ITEM 401-02(1), H.M.A. WEARING COURSE, MGR
2. ITEM 401-01(1), H.M.A. BASE COURSE, MGR
3. ITEM 307-01 CLASS I AGGREGATE BASE COURSE, M3
4. ITEM 207-34 FABRIC FOR SEPARATION, M2
5. ITEM 207-02 SUBGRADE, M3
6. ITEM 409-02 BIT MATERIAL PRIME COAT, L
7. ITEM 610-031 COMB CONC CURB & GUTTER TYPE I, M



MORGAN COUNTY ROUTE 2

STA. 1+050 TO STA. 1+290

TYPICAL HEEL-IN DETAIL



COST OF THE HEEL-INS ARE TO BE INCLUDED IN THE UNIT BID PRICE OF ITEM 401-02(1), H. M. A. WEARING COURSE, TN.

✳ SLOPE AS SHOWN ON THE CROSS SECTIONS

NOT TO SCALE

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPICAL SECTIONS
MAINLINE

D09R2K95-PLAN mtc

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	5	X333 -2- 0.18		1998	MORGAN	13	13

CURVE #6

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+407.095	4666.1314	7149.9422
PC ( )	1+392.401	4671.5099	7136.2678
CC ( )		4206.2079	6953.2540
PT ( )	1+421.780	4659.9593	7163.2771

Radius:	500.000
Delta:	3°22'00"
Length:	29.380
Tangent:	14.694
Chord:	29.375
Middle Ordinate:	0.216
External:	0.216

CURVE #7

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+467.439	4640.7806	7204.7122
PC ( )	1+439.320	4652.5920	7179.1940
CC ( )		4716.1171	7208.5973
PT ( )	1+492.796	4649.9044	7231.3100

Radius:	70.000
Delta:	43°46'15"
Length:	53.476
Tangent:	28.119
Chord:	52.185
Middle Ordinate:	5.045
External:	5.437

CURVE #8

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+565.217	4673.4028	7299.8131
PC ( )	1+526.463	4660.8283	7263.1559
CC ( )		4566.2387	7295.6026
PT ( )	1+600.407	4657.9910	7335.3708

Radius:	100.000
Delta:	42°22'00"
Length:	73.944
Tangent:	38.754
Chord:	72.271
Middle Ordinate:	6.757
External:	7.247

CURVE #9

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+667.331	4631.3766	7396.7751
PC ( )	1+642.040	4641.4342	7373.5703
CC ( )		4806.5885	7445.1530
PT ( )	1+692.293	4628.1029	7421.8530

Radius:	180.000
Delta:	15°59'45"
Length:	50.252
Tangent:	25.291
Chord:	50.089
Middle Ordinate:	1.751
External:	1.768

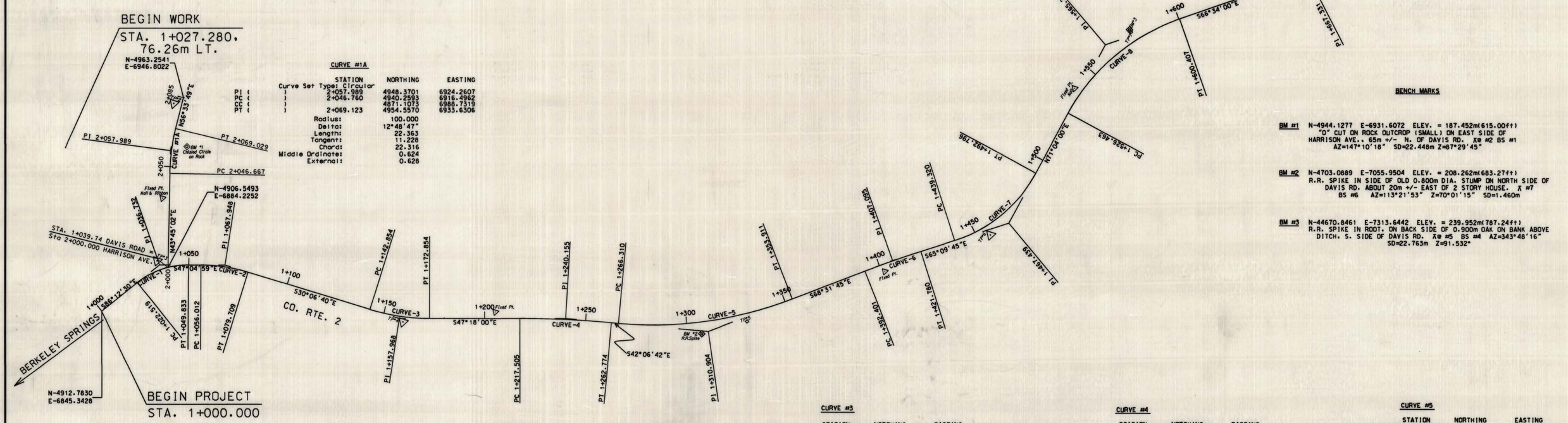
CURVE #10

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+737.179	4622.2926	7466.3615
PC ( )	1+715.628	4625.0822	7444.9924
CC ( )		4823.3995	7470.8813
PT ( )	1+758.564	4624.1193	7487.8343

Radius:	200.000
Delta:	12°18'00"
Length:	42.935
Tangent:	21.550
Chord:	42.853
Middle Ordinate:	1.151
External:	1.158

TP	N	E	ELEV.
1	5000.000	7000.000	186.227
2	4964.3124	6941.3811	186.379
3	4912.6681	6882.4522	187.878
4	4807.7257	6951.2242	195.877
5	4693.0005	7076.3419	208.938
6	4642.6963	7194.1218	226.574
7	4669.4979	7313.3894	239.515
8	4627.8693	7402.9465	252.970
9	4620.2553	7461.7163	256.799



CURVE #1A

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	2+057.989	4948.3701	6924.2607
PC ( )	2+046.760	4940.2593	6916.4962
CC ( )		4871.1073	6988.7319
PT ( )	2+069.123	4954.5570	6933.6306

Radius:	100.000
Delta:	12°48'47"
Length:	22.363
Tangent:	11.228
Chord:	22.316
Middle Ordinate:	0.624
External:	0.628

BENCH MARKS

BM #1 N-4944.1277 E-6931.6072 ELEV. = 187.452m(615.00ft)
"O" CUT ON ROCK OUTCROP (SMALL) ON EAST SIDE OF HARRISON AVE.. 65m +/- N. OF DAVIS RD. X@ #2 BS #1
AZ=147°10'18" SD=22.448m Z=87°29'45"

BM #2 N-4703.0889 E-7055.9504 ELEV. = 208.262m(683.27ft)
R.R. SPIKE IN SIDE OF OLD 0.800m DIA. STUMP ON NORTH SIDE OF DAVIS RD. ABOUT 20m +/- EAST OF 2 STORY HOUSE. X #7
BS #6 AZ=113°21'53" Z=70°01'15" SD=1.460m

BM #3 N-44670.8461 E-7313.6442 ELEV. = 239.952m(787.24ft)
R.R. SPIKE IN ROOT. ON BACK SIDE OF 0.900m OAK ON BANK ABOVE DITCH. S. SIDE OF DAVIS RD. X@ #5 BS #4 AZ=343°48'16"
SD=22.763m Z=91.532°

CURVE #1

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+036.732	4910.3539	6881.9948
PC ( )	1+022.519	4911.2939	6867.8121
CC ( )		4871.3814	6865.1669
PT ( )	1+049.833	4900.6752	6892.4043

Radius:	40.000
Delta:	39°07'30"
Length:	27.314
Tangent:	14.214
Chord:	26.787
Middle Ordinate:	2.309
External:	2.450

CURVE #2

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+067.948	4888.3402	6905.6706
PC ( )	1+056.012	4896.4680	6896.9291
CC ( )		4837.8804	6842.4544
PT ( )	1+079.709	4878.0147	6911.6588

Radius:	80.000
Delta:	16°58'20"
Length:	23.698
Tangent:	11.936
Chord:	23.611
Middle Ordinate:	0.876
External:	0.886

CURVE #3

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+157.968	4810.3167	6950.9194
PC ( )	1+142.854	4823.3909	6943.3372
CC ( )		4873.5587	7029.8426
PT ( )	1+172.854	4800.0673	6962.0267

Radius:	100.000
Delta:	17°11'20"
Length:	30.000
Tangent:	15.114
Chord:	29.888
Middle Ordinate:	1.123
External:	1.136

CURVE #4

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+240.155	4754.4269	7011.4867
PC ( )	1+217.505	4769.7873	6994.8408
CC ( )		4402.3300	6655.7609
PT ( )	1+262.774	4737.6243	7026.6757

Radius:	500.000
Delta:	5°11'15"
Length:	45.269
Tangent:	22.650
Chord:	45.254
Middle Ordinate:	0.512
External:	0.513

CURVE #5

Curve Set Type: Circular

	STATION	NORTHING	EASTING
PI ( )	1+310.904	4701.9204	7058.9507
PC ( )	1+266.310	4735.0010	7029.0470
CC ( )		4862.4128	7169.9946
PT ( )	1+353.911	4685.5981	7100.4494

Radius:	190.000
Delta:	26°25'00"
Length:	87.601
Tangent:	44.593
Chord:	86.827
Middle Ordinate:	5.026
External:	5.163

SCALE: 0 25m

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOMETRIC LAYOUT

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