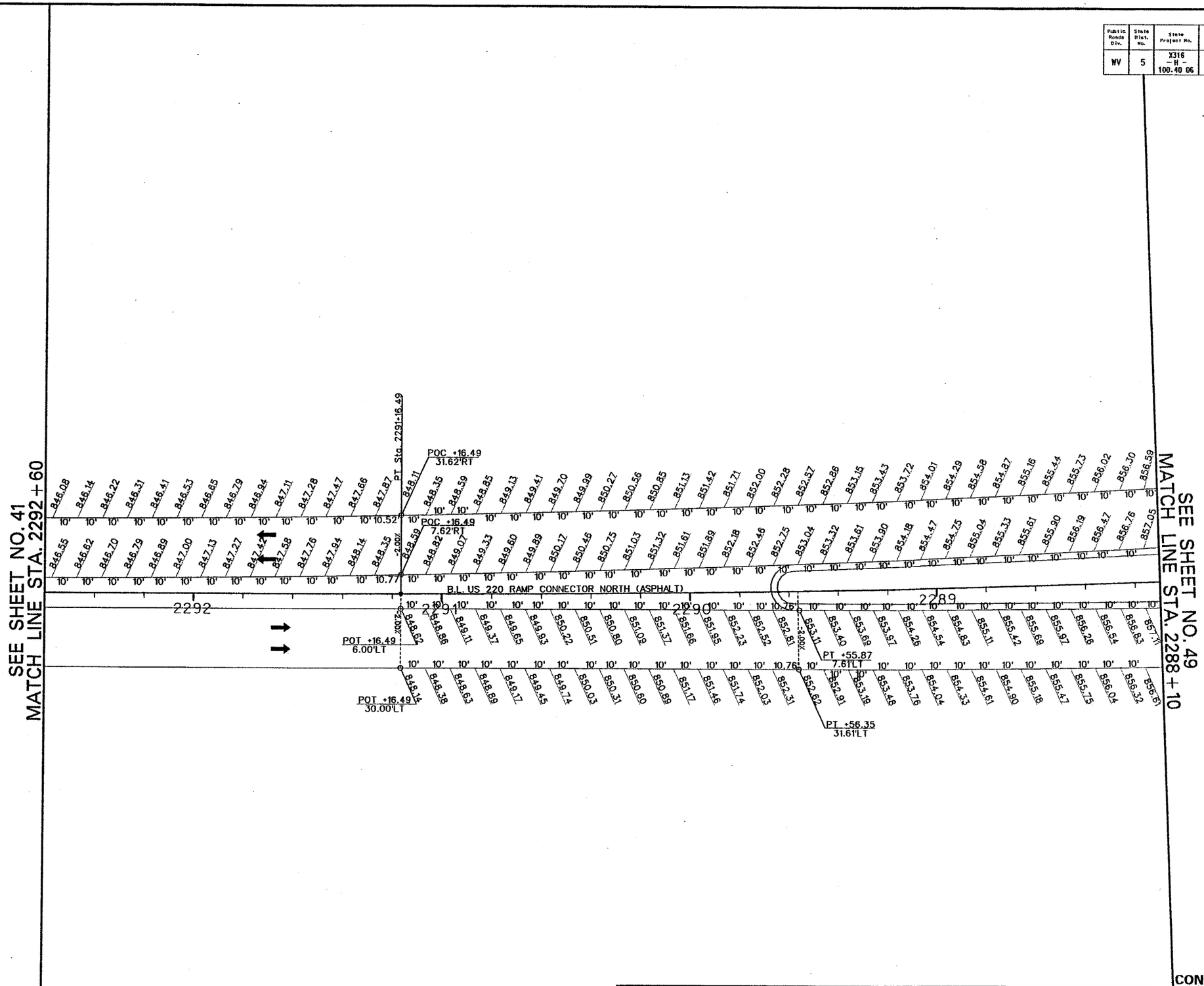
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 -H- 100.40 06	APD 0484 (251)C	2003	HARDY	50	670



US RAMP
CONNECTOR NORTH

SCALE : 0 20 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAVEMENT DETAILS

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03:49:01 PM

08/12/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	51	670

U. S. 48

U. S. 48

MOOREFIELD

SIGNALIZED

LEGEND

2005 A.D.T.

0000 000 TRAFFIC FLOW DIRECTION

2005 D.H.V.

Baker

Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TRAFFIC SKETCH MAP

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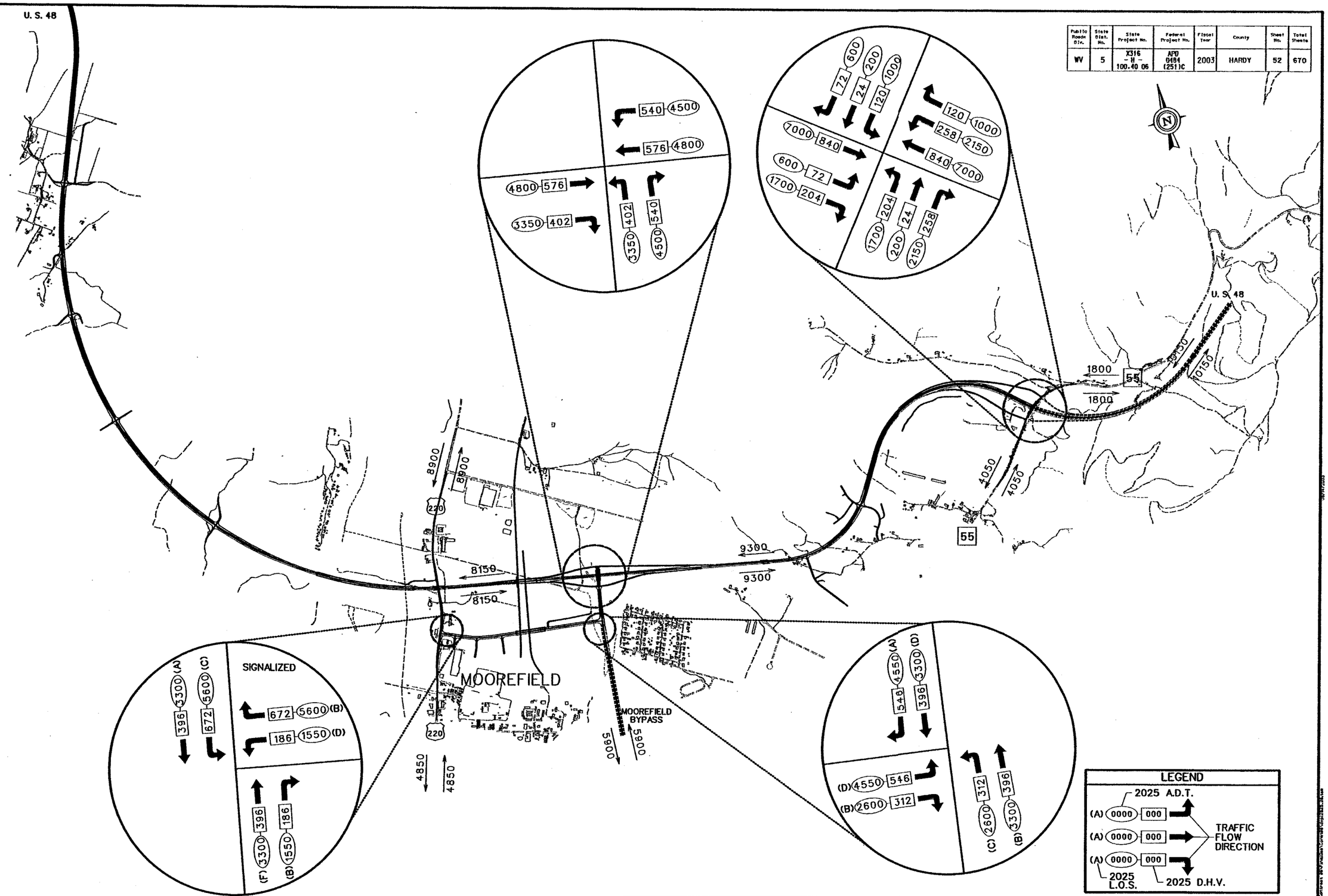
08/14/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	52	670



Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TRAFFIC SKETCH MAP

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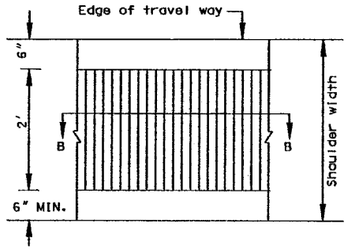
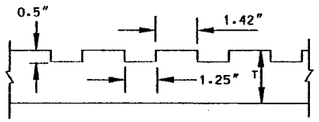
08/14/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	53	670

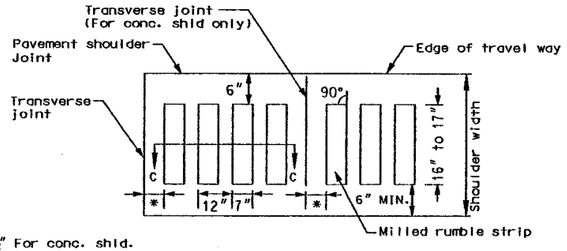




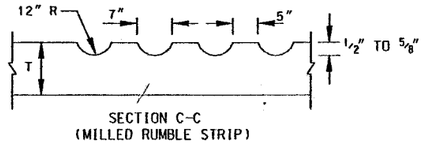
ALTERNATE SECTION B-B
(SAWED RUMBLE STRIP)

RUMBLE STRIP FOR HOT MIX ASPHALT SHOULDERS

NOT TO SCALE



* 7"±1/2" For conc. shld.
2"±1/2" For asphalt shld.



SECTION C-C
(MILLED RUMBLE STRIP)

MILLED RUMBLE STRIP FOR PORTLAND CEMENT AND HOT MIX ASPHALT SHOULDERS

NOT TO SCALE

RUMBLE STRIP NOTES

Rumble strip placement will be continuous on hot mix asphalt shoulders, except as noted below.

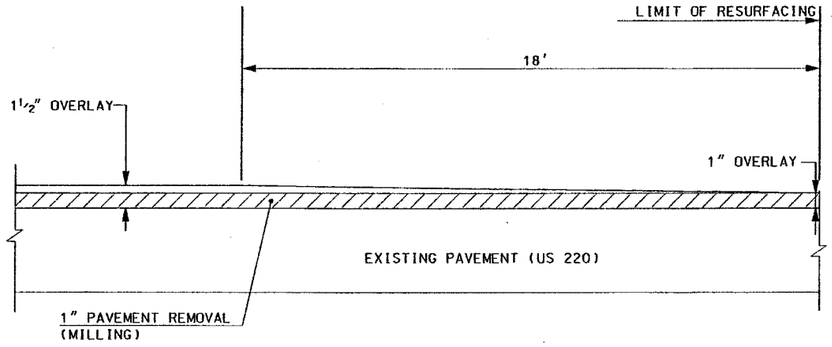
Rumble strips shall not be placed at the following areas for non-freeway projects only: on shoulders of narrow climbing lanes that are 5' or less in width, right of traffic flow; in the shoulder transition area, right of traffic flow, between a full paved shoulder width of 10' and narrow bridge width of 4'.

Rumble strip width is to be 2', except milled rumble strip which will be 16" - 17".

Rumble strips may be sawed or milled unless otherwise indicated. The top of the rumble strips will be no higher than the top surface of the pavement. Any faulty or incorrectly installed rumble strips will be corrected by the contractor at his expense. Payment for rumble strip placement is to be incidental to the applicable paved shoulder bid item.

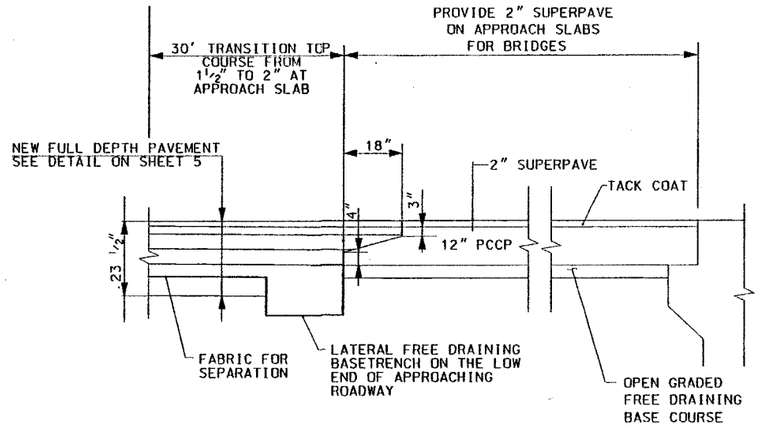
Other alternate rumble strip details may be approved by the Engineer.

Mill shoulder rumble strips as indicated by using a machine capable of providing a smooth cut without tearing or snagging, and producing rumble strips as indicated. Equip machine with guides to provide uniformity and consistency in alignment of each cut with respect to roadway. Mill shoulder rumble strips to have finish dimensions within tolerances specified. Mill shoulder rumble strips on new concrete shoulders after curing. Alignment of pattern edge will be randomly verified and checked. Discontinue milling operations if satisfactory results are not being obtained and submit an alternate construction plan to the engineer for approval. At end of each working day, move all equipment to a location as directed where where it presents no hazard to roadway traffic. Remove and dispose of milled material in compliance with applicable state regulations. Remove debris from areas disturbed by milling operation before opening roadway to traffic.



RESURFACING DETAIL

NOT TO SCALE



TYPE H JOINT

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SPECIAL DETAIL

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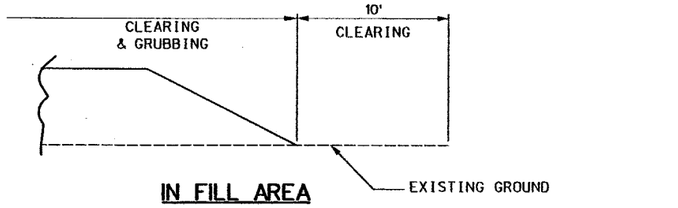
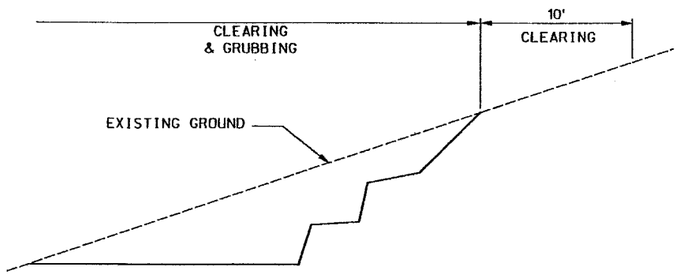
08/14/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 -H- 100.40 06	APD 0484 (251)C	2003	HARDY	54	670



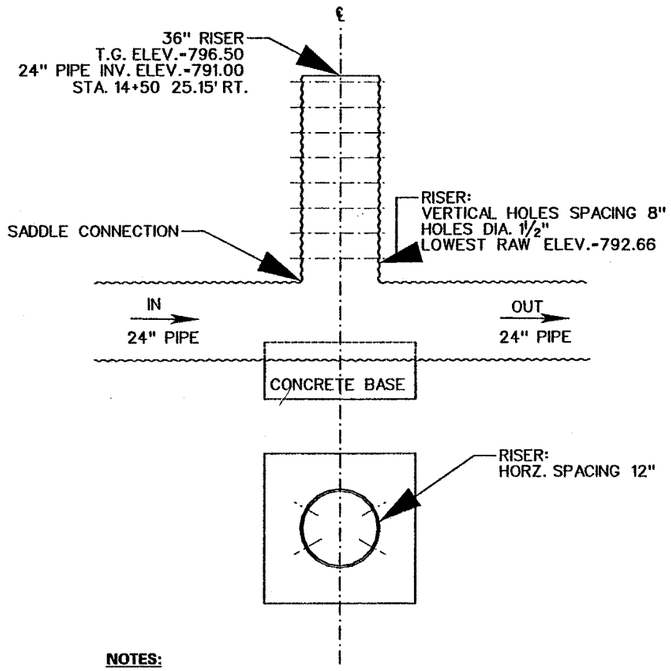
IN FILL AREA



IN CUT AREA

THESE DETAILS SHALL APPLY TO ALL CROSS-SECTIONS

CLEARING AND GRUBBING SPECIAL DETAILS

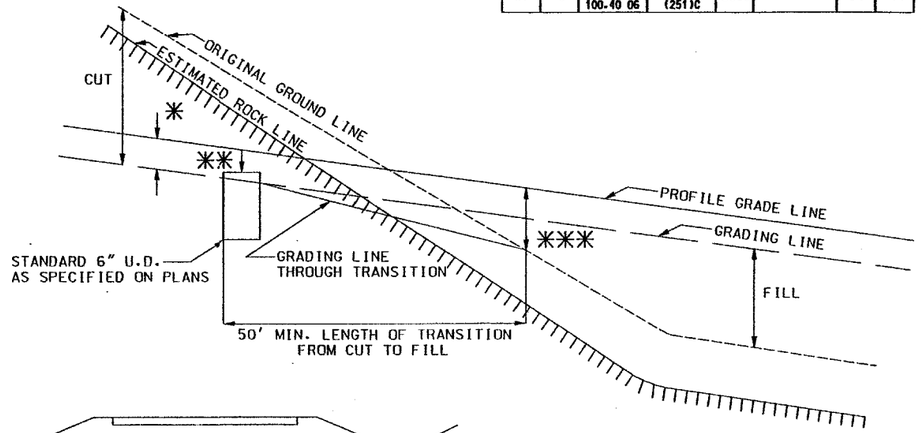


NOTES:

1. CONCRETE BASE FOR THE RISER SHALL BE 18" THICK WITH THE RISER IMBEDDED 6" INTO THE BASE. THE BASE SHALL BE SQUARE WITH EACH DIMENSION 1' GREATER THAN RISER DIAMETER.

2. ALL COSTS OF THE CONCRETE BASE FOR THE RISER SHALL BE INCLUDED IN THE UNIT BID PRICE OF ITEM 642035-001 (RISER).

RISER DETAIL



GRADING TRANSITION DETAIL (CUT TO FILL)

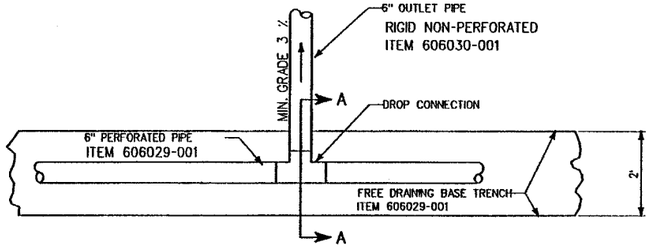
NOTES:

* THICKNESS AS SHOWN ON TYPICAL SECTION (INCLUDES PAVEMENT, BASE OR FREE DRAINING BASE COURSE, AND SUBGRADE)

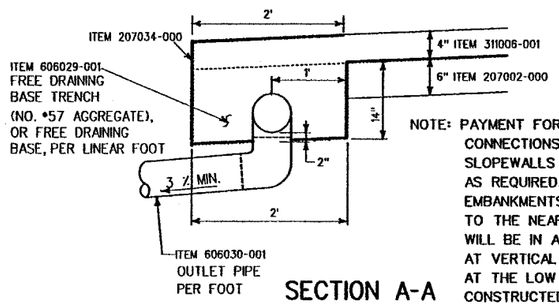
** TOP OF UNDERDRAIN TRENCH TO MATCH BOTTOM OF BASE OR FREE DRAINING BASE COURSE

*** TYPICAL SECTION THICKNESS PLUS 3 FEET

GRADING TRANSITIONS ARE SHOWN ON THE PLAN AND PROFILE SHEETS. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD.



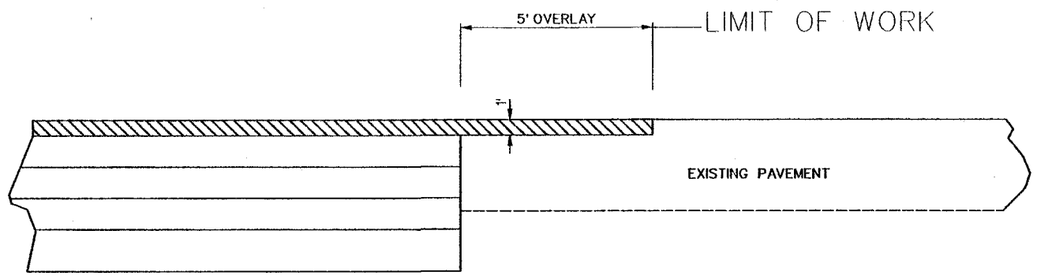
PLAN VIEW



SECTION A-A

NOTE: PAYMENT FOR THE OUTLET PIPE INCLUDES DROP CONNECTIONS IN THE FREE DRAINING BASE TRENCH AND SLOPEWALLS OR CONNECTIONS TO DRAINAGE STRUCTURES AS REQUIRED. MAXIMUM OUTLET SPACING IS TO BE 250' IN EMBANKMENTS. OUTLETS IN CUT SECTIONS WILL BE MADE TO THE NEAREST DRAINAGE STRUCTURE. SLOPEWALL DETAILS WILL BE IN ACCORDANCE WITH STANDARD DR8 (SHEET 3 OF 4). AT VERTICAL SAGS, ONE OUTLET SHALL BE CONSTRUCTED AT THE LOW POINT AND ADDITIONAL OUTLETS SHALL BE CONSTRUCTED AT 25' AND 50' EACH WAY FROM THE LOW POINT.

FREE DRAINING BASE TRENCH AND OUTLET PIPE DETAIL



COST OF THE HEEL-INS ARE TO BE INCLUDED IN THE UNIT BID PRICE OF ITEM 402001-001, H.M.A. SKID RESISTANT PAVEMENT, TYPE I, TN.

TYPICAL HEEL-IN DETAIL

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SPECIAL DETAILS

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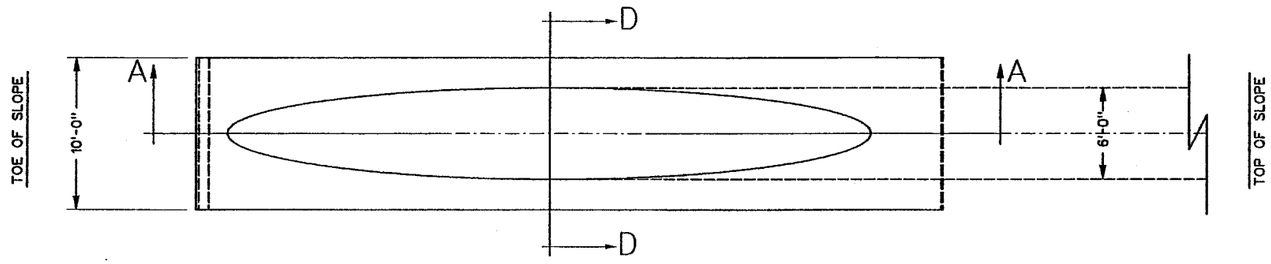
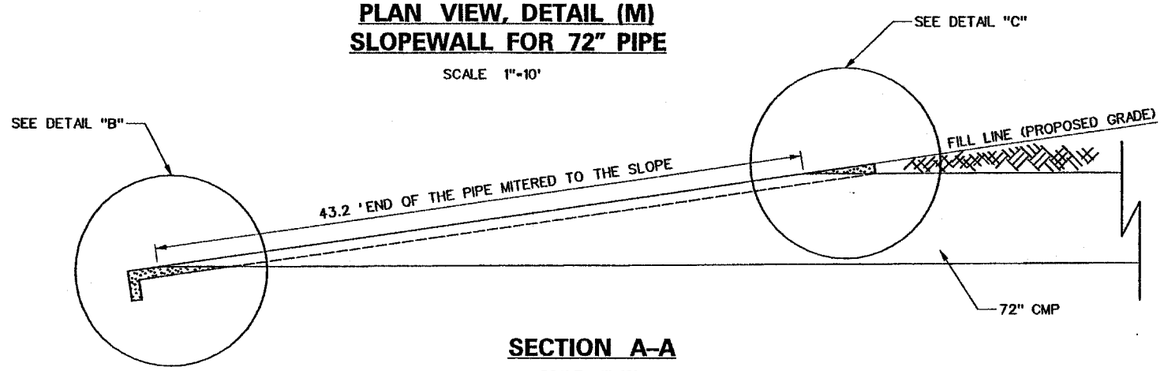
08/14/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	54A	670



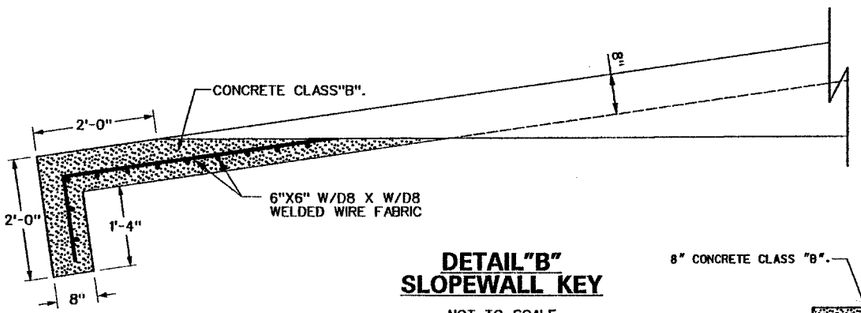
PLAN VIEW, DETAIL (M)
SLOPEWALL FOR 72" PIPE

SCALE 1"=10'



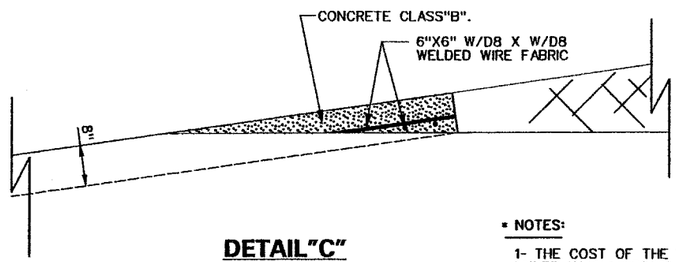
SECTION A-A

SCALE 1"=10'



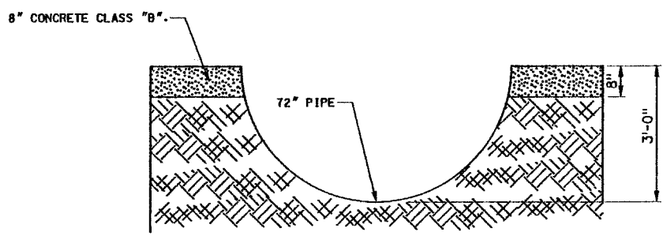
DETAIL"B"
SLOPEWALL KEY

NOT TO SCALE



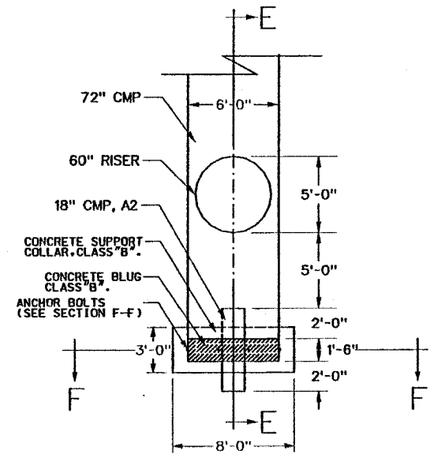
DETAIL"C"

NOT TO SCALE



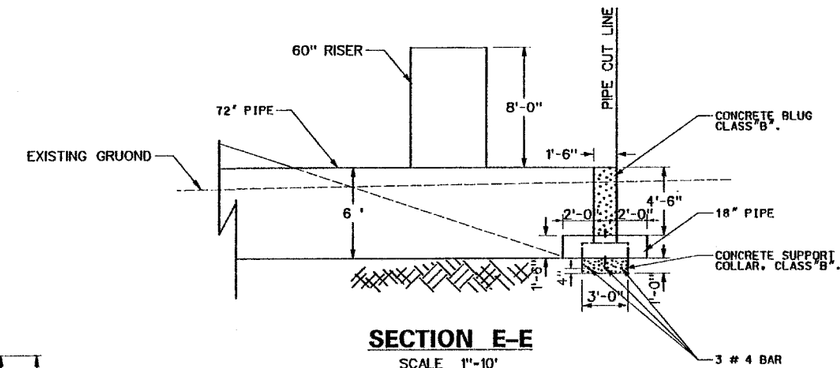
SECTION D-D

NOT TO SCALE



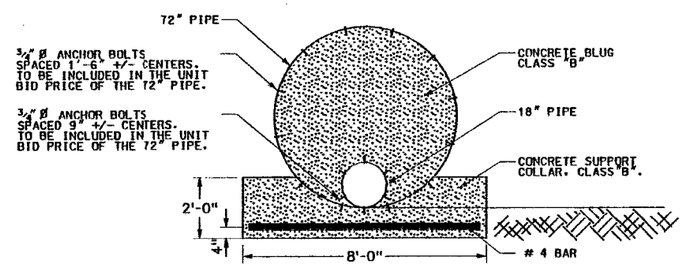
PLAN VIEW, DETAIL (N)
CAPPING OF THE 72" PIPE

SCALE 1"=10'



SECTION E-E

SCALE 1"=10'



SECTION F-F

NOT TO SCALE

* NOTES:

1- THE COST OF THE WELDED WIRE FABRIC AND #4 REBARS SHALL BE PAID UNDER ITEM * 601002-001 (CLASS "B" CONCRETE).

2- WELDED WIRE FABRIC FOR CONCRETE REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M55 AND REQUIREMENTS OF 709.4 OF THE SPECIFICATIONS.

3- ALL REINFORCING BARS SHALL MEET THE REQUIREMENTS OF AASHTO M31 AND THE REQUIREMENTS OF SECTION 709.1 OF THE SPECIFICATIONS.

4- USE CLASS "B" CONCRETE IN ACCORDANCE WITH SECTION 601 OF THE SPECIFICATIONS.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SPECIAL DETAIL

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08/21/2003

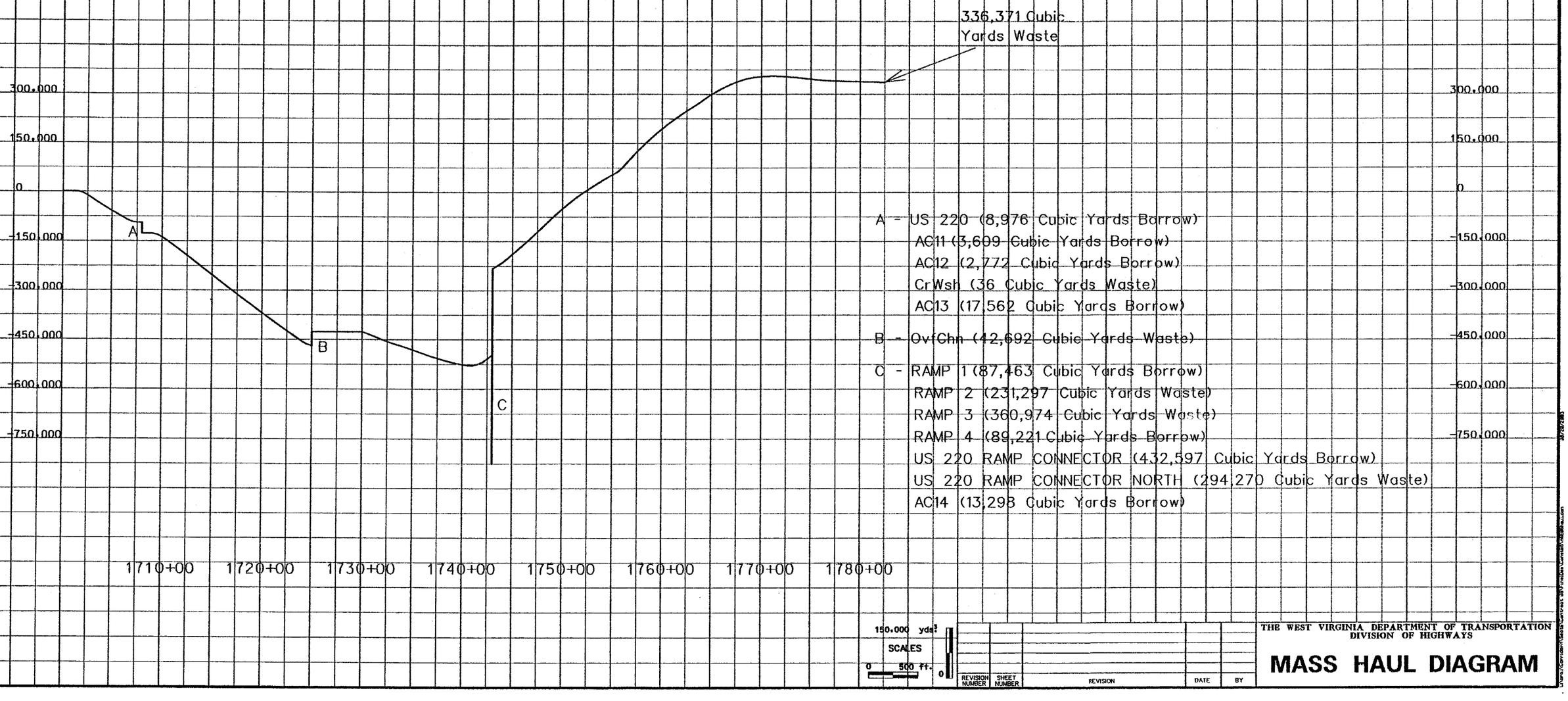
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	55	670

* FOR INFORMATION ONLY

DOES NOT INCLUDE SELECT EMBANKMENT & SILTSTONE EMBANKMENT.

NO REMOVAL OF PROBABLE SOURCE OF SELECT EMBANKMENT & SILTSTONE EMBANKMENT HAS BEEN SHOWN.

NO SHRINK/SWELL FACTORS HAVE BEEN APPLIED.



A - US 220 (8,976 Cubic Yards Borrow)
AC11 (3,609 Cubic Yards Borrow)
AC12 (2,772 Cubic Yards Borrow)
CrWsh (36 Cubic Yards Waste)
AC13 (17,562 Cubic Yards Borrow)

B - OvfChn (42,692 Cubic Yards Waste)

C - RAMP 1 (87,463 Cubic Yards Borrow)
RAMP 2 (231,297 Cubic Yards Waste)
RAMP 3 (360,974 Cubic Yards Waste)
RAMP 4 (89,221 Cubic Yards Borrow)
US 220 RAMP CONNECTOR (432,597 Cubic Yards Borrow)
US 220 RAMP CONNECTOR NORTH (294,270 Cubic Yards Waste)
AC14 (13,298 Cubic Yards Borrow)

150,000 yds³
SCALES
0 500 ft.
0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MASS HAUL DIAGRAM

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08/20/20
Contract 06\Final Plans\Const06\H66E06haul.dgn
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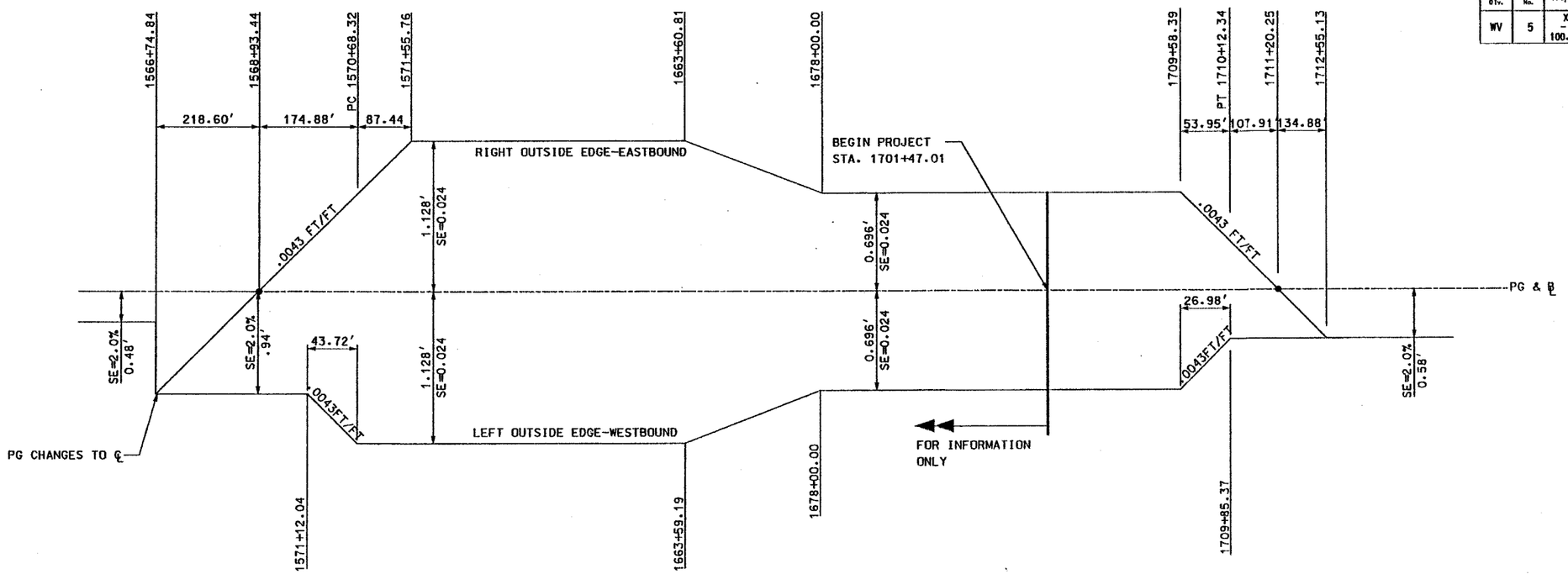
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	56	670



CURVE H6-8

SUPERELEVATION TABLE

P.I. 1665+79.85

P.C. 1570+68.32

S.E. 2.4%

RUNOFF LENGTH 262.32' & 161.86'

RUNOUT 218.60' & 134.88'

Rc. 8000'

P.T. 1710+12.34

WIDTH 24'

STATION	Centerline Elevation	LEFT EDGE						RIGHT EDGE						REMARKS
		Offset Inside EP	Inside EP Elev.	Outside EP Elev.	CORR	WIDTH	RATE	Offset Inside EP	Inside EP Elev.	Outside EP Elev.	CORR	WIDTH	RATE	
1701+00.00	829.062	5.00	828.94	828.386	-0.576	24	-0.02400	5.00	829.18	829.758	0.576	24	0.02400	FULL SUPER
1701+50.00	828.650	5.00	828.53	827.954	-0.576	24	-0.02400	5.00	828.77	829.346	0.576	24	0.02400	
1702+00.00	828.362	5.00	828.24	827.666	-0.576	24	-0.02400	5.00	828.48	829.058	0.576	24	0.02400	
1702+50.00	828.200	5.00	828.08	827.504	-0.576	24	-0.02400	5.00	828.32	828.896	0.576	24	0.02400	
1703+00.00	828.162	5.00	828.04	827.466	-0.576	24	-0.02400	5.00	828.28	828.858	0.576	24	0.02400	
1703+50.00	828.250	5.00	828.13	827.554	-0.576	24	-0.02400	5.00	828.37	828.948	0.576	24	0.02400	
1704+00.00	828.462	5.00	828.34	827.766	-0.576	24	-0.02400	5.00	828.58	829.158	0.576	24	0.02400	
1704+50.00	828.800	5.00	828.68	828.104	-0.576	24	-0.02400	5.00	828.92	829.496	0.576	24	0.02400	
1705+00.00	829.288	5.00	829.08	828.504	-0.576	24	-0.02400	5.00	829.32	829.896	0.576	24	0.02400	
1705+50.00	829.500	5.00	829.48	828.904	-0.576	24	-0.02400	5.00	829.72	830.296	0.576	24	0.02400	
1706+00.00	830.000	5.00	829.88	829.304	-0.576	24	-0.02400	5.00	830.12	830.696	0.576	24	0.02400	
1706+50.00	830.400	5.00	830.28	829.704	-0.576	24	-0.02400	5.00	830.52	831.096	0.576	24	0.02400	
1707+00.00	830.800	5.00	830.68	830.104	-0.576	24	-0.02400	5.00	830.92	831.496	0.576	24	0.02400	
1707+50.00	831.200	5.00	831.08	830.504	-0.576	24	-0.02400	5.00	831.32	831.896	0.576	24	0.02400	
1708+00.00	831.600	5.00	831.48	830.904	-0.576	24	-0.02400	5.00	831.72	832.296	0.576	24	0.02400	
1708+50.00	832.000	5.00	831.88	831.304	-0.576	24	-0.02400	5.00	832.12	832.696	0.576	24	0.02400	
1709+00.00	832.400	5.00	832.28	831.704	-0.576	24	-0.02400	5.00	832.52	833.096	0.576	24	0.02400	
1709+50.00	832.800	5.00	832.68	832.104	-0.576	24	-0.02400	5.00	832.92	833.496	0.576	24	0.02400	
1709+58.39	832.867	5.00	832.75	832.171	-0.576	24	-0.02400	5.00	832.99	833.563	0.576	24	0.02400	FULL SUPER

STATION	Centerline Elevation	LEFT EDGE						RIGHT EDGE						REMARKS
		Offset Inside EP	Inside EP Elev.	Outside EP Elev.	CORR	WIDTH	RATE	Offset Inside EP	Inside EP Elev.	Outside EP Elev.	CORR	WIDTH	RATE	
1709+85.37	833.093	5.00	832.98	832.503	-0.480	24	-0.02000	5.00	833.18	833.683	0.480	24	0.02000	NORMAL CROWN
1710+00.00	833.200	5.00	833.10	832.620	-0.480	24	-0.02000	5.00	833.29	833.717	0.428	24	0.01783	
1710+12.34	833.299	5.00	833.20	832.719	-0.480	24	-0.02000	5.00	833.38	833.763	0.384	24	0.01600	PT
1710+50.00	833.600	5.00	833.50	833.020	-0.480	24	-0.02000	5.00	833.65	833.902	0.250	24	0.01042	
1711+00.00	834.000	5.00	833.90	833.420	-0.480	24	-0.02000	5.00	834.02	834.087	0.072	24	0.00300	
1711+20.25	834.162	5.00	834.06	833.582	-0.480	24	-0.02000	5.00	834.16	834.162	0.000	24	0.00000	
1711+50.00	834.400	5.00	834.30	833.820	-0.480	24	-0.02000	5.00	834.38	834.272	-0.106	24	-0.00441	
1712+00.00	834.800	5.00	834.70	834.220	-0.480	24	-0.02000	5.00	834.74	834.457	-0.284	24	-0.01182	
1712+55.13	835.241	5.00	835.14	834.661	-0.480	24	-0.02000	5.00	835.14	834.661	-0.480	24	-0.02000	

ELEVATIONS REPRESENT FUTURE PAVEMENT ELEVATIONS

NOT TO SCALE

Baker

Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

U.S. 48 MAINLINE

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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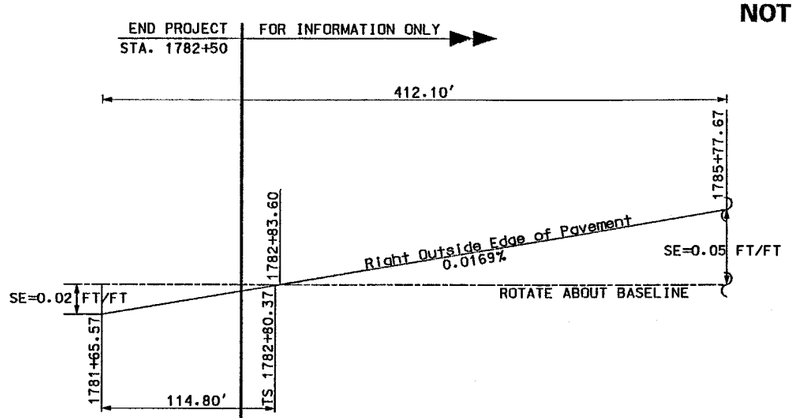
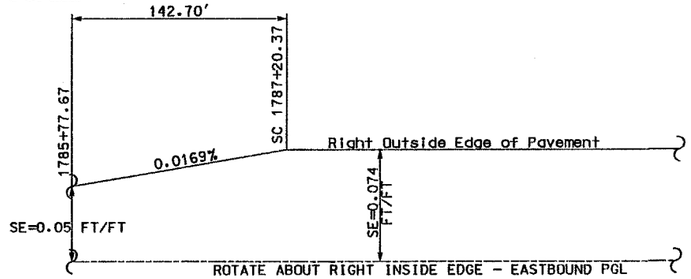
08/14/2003

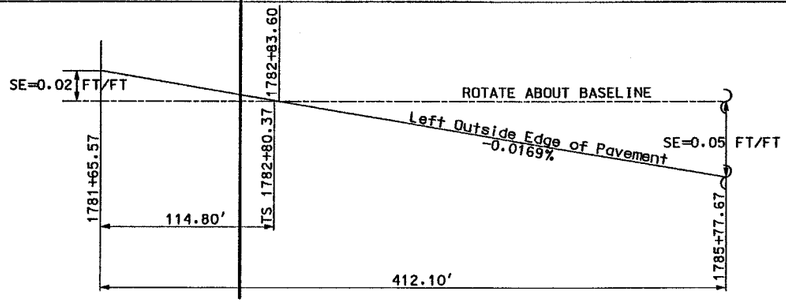
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	57	670

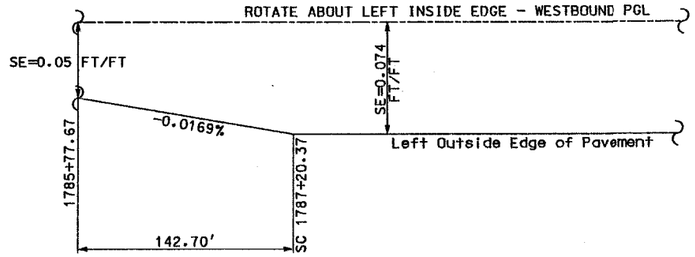
CURVE H-9

NOT TO SCALE









* ALL INFORMATION AFTER STA. 1782+50 IS FOR INFORMATION ONLY

SUPERELEVATION TABLE

CURVE H-9 (ENTRANCE SPIRAL)

P.I. 1798+18.25
T.S. 1782+80.37
S.C. 1787+20.37
S.E. 7.4%

RUNOFF LENGTH 440'
RUNOUT 114.80'
Rc. 2000'
V 65 mph

C.S. 1807+28.49
S.T. 1811+68.49
WIDTH 24'

Station	Centerline Elevation	Left of CL						Right of CL					
		Offset to Inside EP	Inside EP Elev.	Outside Pavement Edge Elev.	Corr.	Width	Rate	Offset to Inside EP	Inside EP Elev.	Outside Pavement. Edge Elev.	Corr.	Width	Rate
Normal Crown													
1781+65.57	891.91	5.00	891.81	891.33	-0.48	24.00	-2.00	5.00	891.81	891.33	0.48	24.00	-2.00
1781+75.	892.14	5.00	892.04	891.56	-0.48	24.00	-2.00	5.00	892.05	891.61	0.44	24.00	-1.84
1782+00.	892.79	5.00	892.69	892.21	-0.48	24.00	-2.00	5.00	892.72	892.38	0.34	24.00	-1.42
1782+25.	893.47	5.00	893.37	892.89	-0.48	24.00	-2.00	5.00	893.42	893.18	0.24	24.00	-0.99
1782+50.	894.18	5.00	894.08	893.6	-0.48	24.00	-2.00	5.00	894.15	894.01	0.14	24.00	-0.57
1782+75.	894.92	5.00	894.82	894.34	-0.48	24.00	-2.00	5.00	894.92	894.88	0.04	24.00	-0.14
TS 1782+80.37	895.09	5.00	894.99	894.51	-0.48	24.00	-2.00	5.00	895.08	895.07	0.01	24.00	-0.05
1783+00.	895.70	5.01	895.6	895.12	-0.48	24.00	-2.00	5.00	895.72	895.78	-0.06	24.00	0.28
1783+25.	896.51	5.04	896.41	895.93	-0.48	24.00	-2.00	5.02	896.55	896.72	-0.17	24.00	0.71
1783+50.	897.36	5.09	897.26	896.78	-0.48	24.00	-2.00	5.04	897.42	897.69	-0.27	24.00	1.13
1783+75.	898.24	5.15	898.13	897.65	-0.48	24.00	-2.00	5.09	898.32	898.69	-0.37	24.00	1.56
1784+00.	899.15	5.22	899.04	898.53	-0.51	24.00	-2.11	5.15	899.25	899.73	-0.48	24.00	1.98
1784+25.	900.08	5.31	899.95	899.34	-0.61	24.00	-2.51	5.23	900.2	900.78	-0.58	24.00	2.41
1784+50.	901.01	5.42	900.85	900.15	-0.70	24.00	-2.92	5.32	901.16	901.84	-0.68	24.00	2.83
1784+75.	901.94	5.55	901.75	900.95	-0.80	24.00	-3.33	5.43	902.11	902.9	-0.79	24.00	3.26
1785+00.	902.87	5.68	902.65	901.76	-0.89	24.00	-3.74	5.56	903.07	903.95	-0.88	24.00	3.68
1785+25.	903.80	5.84	903.55	902.56	-0.99	24.00	-4.14	5.70	904.03	905.01	-0.98	24.00	4.11
1785+50.	904.72	6.01	904.45	903.36	-1.09	24.00	-4.55	5.86	904.99	906.08	-1.09	24.00	4.53
1785+75.	905.65	6.20	905.35	904.16	-1.19	24.00	-4.96	6.03	905.95	907.14	-1.19	24.00	4.95
1785+77.67	905.75	6.22	905.44	904.24	-1.20	24.00	-5.00	6.05	906.06	907.26	-1.20	24.00	5.00

Station	Left of CL						Right of CL					
	Offset to WB PGL	WB Profile Gradeline	Outside Pavement Edge Elev.	Corr.	Width	Rate	Offset to EB PGL	EB Profile Gradeline	Outside Pavement. Edge Elev.	Corr.	Width	Rate
Begin Rotation About Offset PGLs (Sta. 1785+77.67)												
1786+00.	6.40	906.26	904.97	-1.29	24.00	-5.38	6.22	906.89	908.18	-1.29	24	5.38
1786+25.	6.62	907.18	905.79	-1.39	24.00	-5.8	6.42	907.83	909.22	-1.39	24	5.80
1786+50.	6.85	908.10	906.61	-1.49	24.00	-6.22	6.64	908.77	910.27	-1.50	24	6.22
1786+75.	7.09	909.02	907.42	-1.60	24.00	-6.64	6.87	909.71	911.31	-1.60	24	6.64
1787+00.	7.36	909.93	908.24	-1.69	24.00	-7.06	7.12	910.66	912.35	-1.69	24	7.06
SC 1787+20.37	7.58	910.68	908.9	-1.78	24.00	-7.4	7.34	911.42	912.62	-1.20	24	7.40
Full Super												

* ALL INFORMATION AFTER STA. 1782+50 IS FOR INFORMATION ONLY

NOT TO SCALE

U.S. 48 MAINLINE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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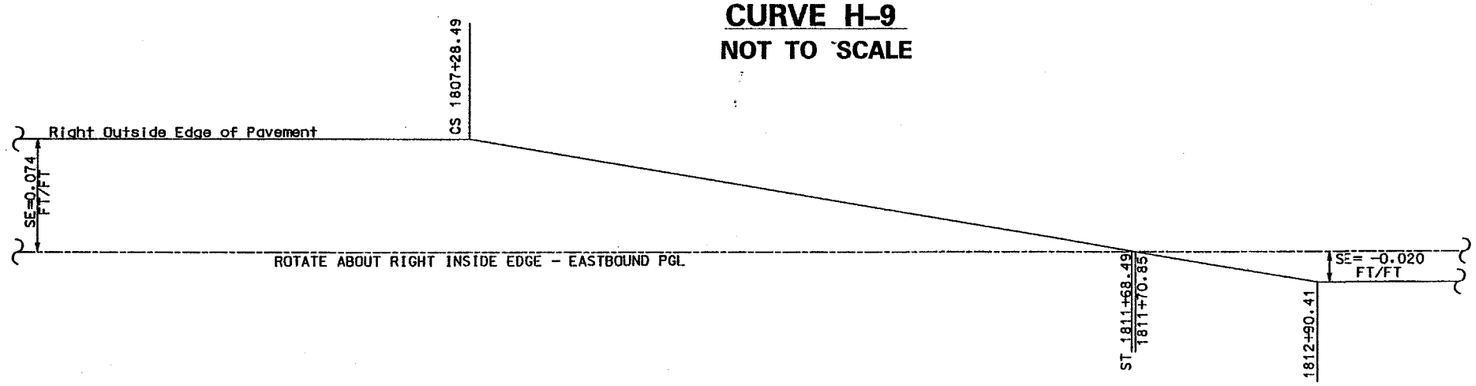
09/23/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	58	670

CURVE H-9

NOT TO SCALE



FOR INFORMATION ONLY

Station	Left of Centerline (With Turning Lane)										
	Centerline Elevation	Offset to WB PGL	WB Profile Gradeline	Outside Pavement Edge Elev.	Corr.	Width (outside)	Rate (outside)	Inside Pavement Edge Elev.	Corr.	Width (inside)	Rate (inside)
Full Super											
CS 1807+28.49	NA	22.55	984.58	982.80	-1.78	24.00	-7.40	985.71	1.13	22.55	5.00
1807+50.	NA	22.60	985.43	983.74	-1.69	24.00	-7.04	986.39	0.96	19.25	5.00
1807+75.	NA	22.65	986.44	984.85	-1.59	24.00	-6.62	987.05	0.61	12.26	5.00
1808+00.	NA	22.71	987.48	985.99	-1.49	24.00	-6.20	988.08	0.60	12.00	5.00
1808+25.	NA	22.75	988.56	987.17	-1.39	24.00	-5.78	989.16	0.60	12.00	5.00
1808+50.	NA	22.79	989.66	988.37	-1.29	24.00	-5.36	990.26	0.60	12.00	5.00
1808+75.	NA	22.83	990.80	989.62	-1.18	24.00	-4.93	991.39	0.59	12.00	4.93
1809+00.	NA	22.86	991.97	990.89	-1.08	24.00	-4.51	992.51	0.54	12.00	4.51
1809+25.	NA	22.89	993.17	992.19	-0.98	24.00	-4.08	993.66	0.49	12.00	4.08
1809+50.	NA	22.91	994.40	993.52	-0.88	24.00	-3.65	994.84	0.44	12.00	3.65
1809+75.	NA	22.93	995.64	994.87	-0.77	24.00	-3.22	996.02	0.38	11.79	3.22
1810+00.	NA	22.95	996.86	996.19	-0.67	24.00	-2.80	997.17	0.31	11.06	2.80
1810+25.	NA	22.96	998.05	997.48	-0.57	24.00	-2.37	998.28	0.23	9.69	2.37
1810+50.	NA	22.98	999.23	998.75	-0.48	24.00	-2.00	999.38	0.15	7.68	2.00
1810+75.	NA	22.99	1000.39	999.91	-0.48	24.00	-2.00	1000.49	0.10	5.02	2.00
1811+00.	NA	22.99	1001.52	1001.04	-0.48	24.00	-2.00	1001.57	0.05	2.61	2.00
1811+25.	NA	23.00	1002.65	1002.17	-0.48	24.00	-2.00	1002.67	0.02	0.99	2.00
1811+50.	NA	23.00	1003.77	1003.29	-0.48	24.00	-2.00	1003.77	0.00	0.14	2.00
ST 1811+68.49	NA	23.00	1004.60	1004.12	-0.48	24.00	-2.00				
1811+75.	NA	23.00	1004.90	1004.42	-0.48	24.00	-2.00				
1812+00.	NA	23.00	1006.02	1005.54	-0.48	24.00	-2.00				
1812+25.	NA	23.00	1007.15	1006.67	-0.48	24.00	-2.00				
1812+50.	NA	23.00	1008.27	1007.79	-0.48	24.00	-2.00				
1812+75.	NA	23.00	1009.40	1008.92	-0.48	24.00	-2.00				
1812+90.41	NA	23.00	1010.09	1009.61	-0.48	24.00	-2.00				
Normal Crown											

Station	Centerline Elevation	Right of Centerline					
		Offset to EB PGL	EB Profile Gradeline	Outside Pavement. Edge Elev.	Corr.	Width	Rate
Full Super							
CS 1807+28.49	NA	22.52	986.84	988.62	1.78	24.00	7.40
1807+50.	NA	22.58	987.62	989.31	1.69	24.00	7.04
1807+75.	NA	22.64	988.57	990.16	1.59	24.00	6.62
1808+00.	NA	22.70	989.53	991.02	1.49	24.00	6.20
1808+25.	NA	22.74	990.49	991.88	1.39	24.00	5.78
1808+50.	NA	22.79	991.47	992.76	1.29	24.00	5.36
1808+75.	NA	22.82	992.45	993.64	1.19	24.00	4.94
1809+00.	NA	22.86	993.44	994.52	1.08	24.00	4.50
1809+25.	NA	22.88	994.44	995.42	0.98	24.00	4.10
1809+50.	NA	22.91	995.45	996.33	0.88	24.00	3.68
1809+75.	NA	22.93	996.47	997.25	0.78	24.00	3.27
1810+00.	NA	22.95	997.50	998.18	0.68	24.00	2.85
1810+25.	NA	22.96	998.54	999.12	0.58	24.00	2.43
1810+50.	NA	22.98	999.59	1000.07	0.48	24.00	2.01
1810+75.	NA	22.98	1000.64	1001.02	0.38	24.00	1.60
1811+00.	NA	23.00	1001.70	1001.98	0.28	24.00	1.18
1811+25.	NA	23.00	1002.78	1002.96	0.18	24.00	0.76
1811+50.	NA	23.00	1003.86	1003.94	0.08	24.00	0.34
ST 1811+68.48	NA	23.00	1005.07	1005.08	0.01	24.00	0.04
1811+75.	NA	23.00	1004.95	1004.93	-0.02	24.00	-0.07
1812+00.	NA	23.00	1006.05	1005.93	-0.12	24.00	-0.49
1812+25.	NA	23.00	1007.16	1006.94	-0.22	24.00	-0.91
1812+50.	NA	23.00	1008.27	1007.95	-0.32	24.00	-1.33
1812+75.	NA	23.00	1009.40	1008.98	-0.42	24.00	-1.74
1812+90.41	NA	23.00	1010.09	1009.61	-0.48	24.00	-2.00
Normal Crown							

SUPERELEVATION TABLE
CURVE H-9 (EXIT SPIRAL)

P.I. 1798+18.25
T.S. 1782+80.37
S.C. 1787+20.37
C.S. 1807+28.49
S.T. 1811+68.49
S.E. 7.4%

RUNOFF LENGTH 440'
RUNOUT 121.92'
Rc. 2000'
V 65 mph

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

U.S. 48 MAINLINE

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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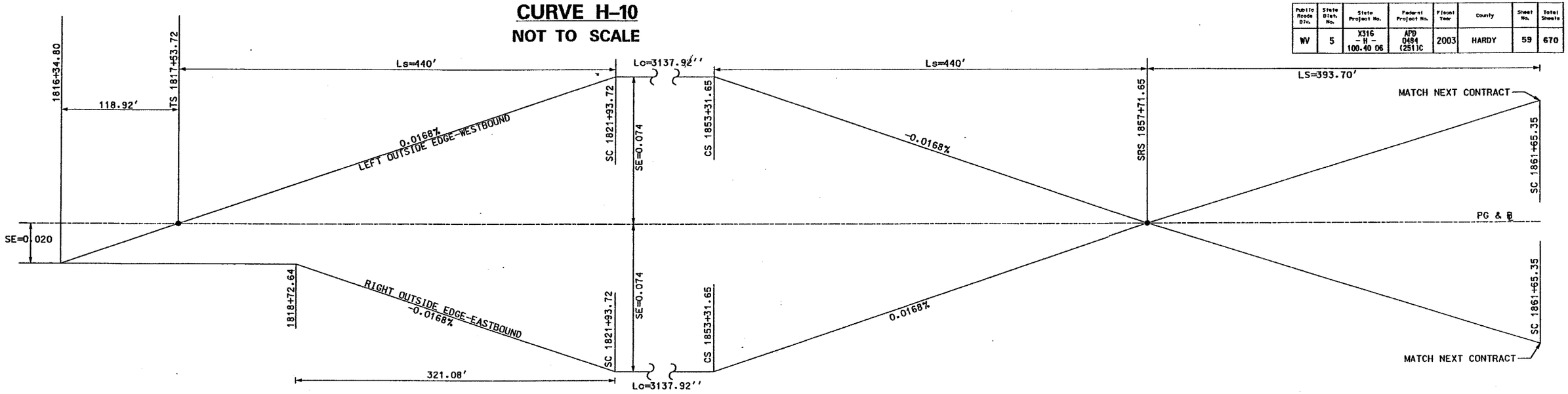
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	59	670

CURVE H-10

NOT TO SCALE



Station	Left of Centerline				Centerline /PGL Elevation	Right of Centerline			
	Outside Pavement Edge Elev.	Corr.	Width	Rate		Rate	Width	Corr.	Outside Pavement Edge Elev.
Normal Crown									
1816+34.8	1025.10	-0.48	24.00	-2.00	1025.58	-2.00	24.00	-0.48	1025.10
1816+50.	1025.85	-0.42	24.00	-1.74	1026.27	-2.00	24.00	-0.48	1025.79
1816+75.	1027.07	-0.32	24.00	-1.32	1027.39	-2.00	24.00	-0.48	1026.91
1817+00.	1028.30	-0.22	24.00	-0.90	1028.52	-2.00	24.00	-0.48	1028.04
1817+25.	1029.52	-0.12	24.00	-0.48	1029.64	-2.00	24.00	-0.48	1029.16
1817+50.	1030.75	-0.01	24.00	-0.06	1030.76	-2.00	24.00	-0.48	1030.28
TS 1817+53.72	1030.93	0.00	24.00	0.00	1030.93	-2.00	24.00	-0.48	1030.45
1817+75.	1031.98	0.09	24.00	0.36	1031.89	-2.00	24.00	-0.48	1031.41
1818+00.	1033.20	0.19	24.00	0.78	1033.01	-2.00	24.00	-0.48	1032.53
1818+25.	1034.43	0.29	24.00	1.20	1034.14	-2.00	24.00	-0.48	1033.66
1818+50.	1035.65	0.39	24.00	1.62	1035.26	-2.00	24.00	-0.48	1034.78
1818+75.	1036.88	0.49	24.00	2.04	1036.39	-2.04	24.00	-0.49	1035.90
1819+00.	1038.10	0.59	24.00	2.46	1037.51	-2.46	24.00	-0.59	1036.92
1819+25.	1039.33	0.69	24.00	2.88	1038.64	-2.88	24.00	-0.69	1037.95
1819+50.	1040.55	0.79	24.00	3.30	1039.76	-3.30	24.00	-0.79	1038.97
1819+75.	1041.78	0.89	24.00	3.72	1040.89	-3.72	24.00	-0.90	1039.99
1820+00.	1043.01	1.00	24.00	4.14	1042.01	-4.14	24.00	-0.99	1041.02
1820+25.	1044.23	1.09	24.00	4.56	1043.14	-4.56	24.00	-1.10	1042.04
1820+50.	1045.46	1.20	24.00	4.98	1044.26	-4.98	24.00	-1.19	1043.07
1820+75.	1046.68	1.29	24.00	5.40	1045.39	-5.40	24.00	-1.30	1044.09
1821+00.	1047.91	1.40	24.00	5.82	1046.51	-5.82	24.00	-1.40	1045.11
1821+25.	1049.13	1.49	24.00	6.24	1047.64	-6.24	24.00	-1.50	1046.14
1821+50.	1050.36	1.60	24.00	6.67	1048.76	-6.66	24.00	-1.60	1047.16
1821+75.	1051.59	1.71	24.00	7.09	1049.88	-7.09	24.00	-1.70	1048.18
SC 1821+93.72	1052.50	1.77	24.00	7.40	1050.73	-7.40	24.00	-1.78	1048.95
Normal Crown									

Station	Left of Centerline				Centerline /PGL Elevation	Right of Centerline			
	Outside Pavement Edge Elev.	Corr.	Width	Rate		Rate	Width	Corr.	Outside Pavement Edge Elev.
Normal Crown									
CS 1853+31.65	1189.58	1.77	24.00	7.40	1187.81	-7.40	24.00	-1.78	1186.03
1853+50.	1190.11	1.70	24.00	7.09	1188.41	-7.09	24.00	-1.71	1186.70
1853+75.	1190.82	1.60	24.00	6.67	1189.22	-6.67	24.00	-1.60	1187.62
1854+00.	1191.54	1.50	24.00	6.25	1190.04	-6.25	24.00	-1.50	1188.54
1854+25.	1192.25	1.39	24.00	5.83	1190.86	-5.83	24.00	-1.40	1189.46
1854+50.	1192.97	1.30	24.00	5.41	1191.67	-5.41	24.00	-1.30	1190.37
1854+75.	1193.69	1.20	24.00	4.99	1192.49	-4.99	24.00	-1.20	1191.29
1855+00.	1194.40	1.10	24.00	4.57	1193.3	-4.57	24.00	-1.09	1192.21
1855+25.	1195.12	1.00	24.00	4.15	1194.12	-4.15	24.00	-0.99	1193.13
1855+50.	1195.83	0.89	24.00	3.73	1194.94	-3.73	24.00	-0.90	1194.04
1855+75.	1196.55	0.80	24.00	3.31	1195.75	-3.31	24.00	-0.79	1194.96
1856+00.	1197.26	0.70	24.00	2.89	1196.56	-2.89	24.00	-0.68	1195.88
1856+25.	1197.98	0.59	24.00	2.47	1197.39	-2.47	24.00	-0.59	1196.80
1856+50.	1198.69	0.49	24.00	2.05	1198.2	-2.05	24.00	-0.49	1197.71
1856+75.	1199.41	0.39	24.00	1.63	1199.02	-1.63	24.00	-0.39	1198.63
1857+00.	1200.13	0.29	24.00	1.21	1199.84	-1.20	24.00	-0.29	1199.55
1857+25.	1200.84	0.19	24.00	0.78	1200.65	-0.78	24.00	-0.19	1200.46
1857+50.	1201.56	0.09	24.00	0.36	1201.47	-0.36	24.00	-0.09	1201.38
SRS 1857+71.65	1202.18	0.00	24.00	0.00	1202.18	0.00	24.00	0.00	1202.18
1857+75.	1202.27	-0.02	24.00	-0.05	1202.29	0.05	24.00	0.01	1202.30
1858+00.	1203.00	-0.10	24.00	-0.44	1203.1	0.44	24.00	0.11	1203.21
1858+25.	1203.72	-0.20	24.00	-0.83	1203.92	0.83	24.00	0.20	1204.12
1858+50.	1204.44	-0.29	24.00	-1.21	1204.73	1.21	24.00	0.30	1205.03
1858+75.	1205.17	-0.38	24.00	-1.60	1205.55	1.60	24.00	0.39	1205.94
1859+00.	1205.89	-0.48	24.00	-1.99	1206.37	1.99	24.00	0.47	1206.84
1859+25.	1206.61	-0.57	24.00	-2.38	1207.18	2.38	24.00	0.57	1207.75
1859+50.	1207.34	-0.66	24.00	-2.76	1208.00	2.76	24.00	0.66	1208.66
1859+75.	1208.06	-0.76	24.00	-3.15	1208.82	3.15	24.00	0.75	1209.57
1860+00.	1208.78	-0.85	24.00	-3.54	1209.63	3.54	24.00	0.85	1210.48
1860+25.	1209.51	-0.94	24.00	-3.93	1210.45	3.93	24.00	0.94	1211.39
1860+50.	1210.23	-1.04	24.00	-4.31	1211.27	4.31	24.00	1.03	1212.30
1860+75.	1210.95	-1.13	24.00	-4.7	1212.08	4.7	24.00	1.13	1213.21
1861+00.	1211.68	-1.22	24.00	-5.09	1212.90	5.09	24.00	1.22	1214.12
1861+25.	1212.4	-1.32	24.00	-5.47	1213.72	5.47	24.00	1.31	1215.03
1861+50.	1213.12	-1.41	24.00	-5.86	1214.53	5.86	24.00	1.41	1215.94
SC 1861+65.35	1213.57	-1.46	24.00	-6.1	1215.03	6.1	24.00	1.46	1216.49
Superelvation To Match Next Contract									

FOR INFORMATION ONLY

SUPERELEVATION TABLE

CURVE H-10

RUNOFF LENGTH 440', 393.70'
RUNOUT 118.92''
Rc = 2000'
V = 65mph

P.I. 1841+90.06
T.S. 1817+53.72
S.C. 1821+93.72
S.E. 7.4%
C.S. 1853+31.65
SRS 1857+71.65
S.C. 1861+65.35
WIDTH 24'

U.S. 48 MAINLINE

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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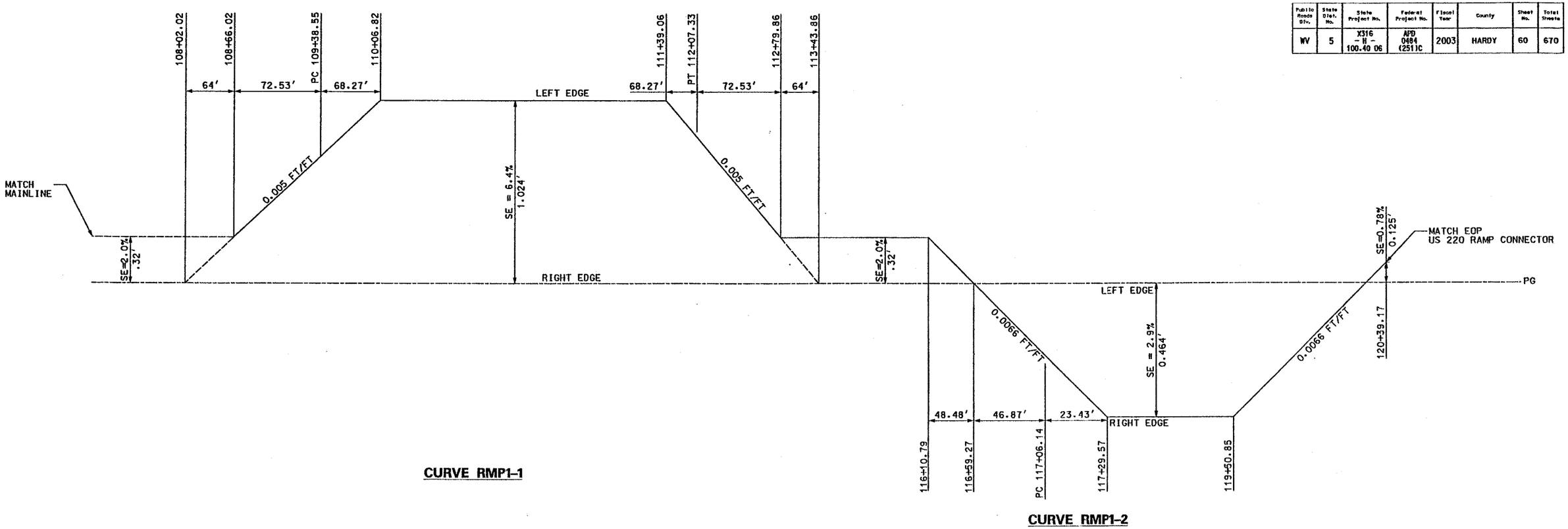
08/14/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	60	670



CURVE RMP1-1

CURVE RMP1-2

SUPERELEVATION TABLE

RMP1-1

P.I. 110+73.36 | RUNOFF LENGTH 204.80' | P.T. 112+07.33

P.C. 109+38.55 | RADIUS 1400' | WIDTH 16'

S.E. 6.4% | V 50 mph

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
108+66.02	826.841	0.320	16	0.02000	826.521					NORMAL CROWN
109+00.00	826.797	0.490	16	0.03062	826.307					
109+38.55	826.747	0.683	16	0.04267	826.064					PC
109+50.00	826.732	0.740	16	0.04624	825.992					
110+00.00	826.588	0.990	16	0.06187	825.598					
110+06.82	826.549	1.024	16	0.06400	825.525					FULL SUPER
110+50.00	826.087	1.024	16	0.06400	825.063					
111+00.00	825.551	1.024	16	0.06400	824.527					
111+39.06	825.136	1.024	16	0.06400	824.112					FULL SUPER
111+50.00	824.980	0.969	16	0.06058	824.011					
112+00.00	824.423	0.719	16	0.04496	823.704					
112+07.33	824.363	0.683	16	0.04267	823.680					PT
112+50.00	824.119	0.469	16	0.02933	823.650					
112+79.86	824.059	0.320	16	0.02000	823.739					NORMAL CROWN

RMP1-2

P.I. 118+88.44 | RUNOFF LENGTH 70.30' | P.T. 120+69.17

P.C. 117+06.14 | RUNOUT 48.48' | WIDTH 16'

S.E. 2.9% | RADIUS 1600'

V 30 mph

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
116+10.79	831.097	0.320	16	0.02000	830.777					NORMAL CROWN
116+59.27	832.697	0.000	16	0.00000	832.697					
117+00.00	834.058	-0.269	16	-0.0168	834.327					
117+06.14	834.263	-0.309	16	-0.0193	834.572					PC
117+29.57	835.045	-0.464	16	-0.0290	835.509					FULL SUPER
117+50.00	835.863	-0.464	16	-0.0290	836.327					
118+00.00	837.863	-0.464	16	-0.0290	838.327					
118+50.00	839.863	-0.464	16	-0.0290	840.327					
119+00.00	841.863	-0.464	16	-0.0290	842.327					
119+50.00	843.613	-0.464	16	-0.0290	844.077					
119+50.85	843.638	-0.464	16	-0.0290	844.102					FULL SUPER
120+00.00	845.190	-0.136	16	-0.0085	845.327					
120+39.17	846.235	0.125	16	0.00780	846.110					

RAMP 1

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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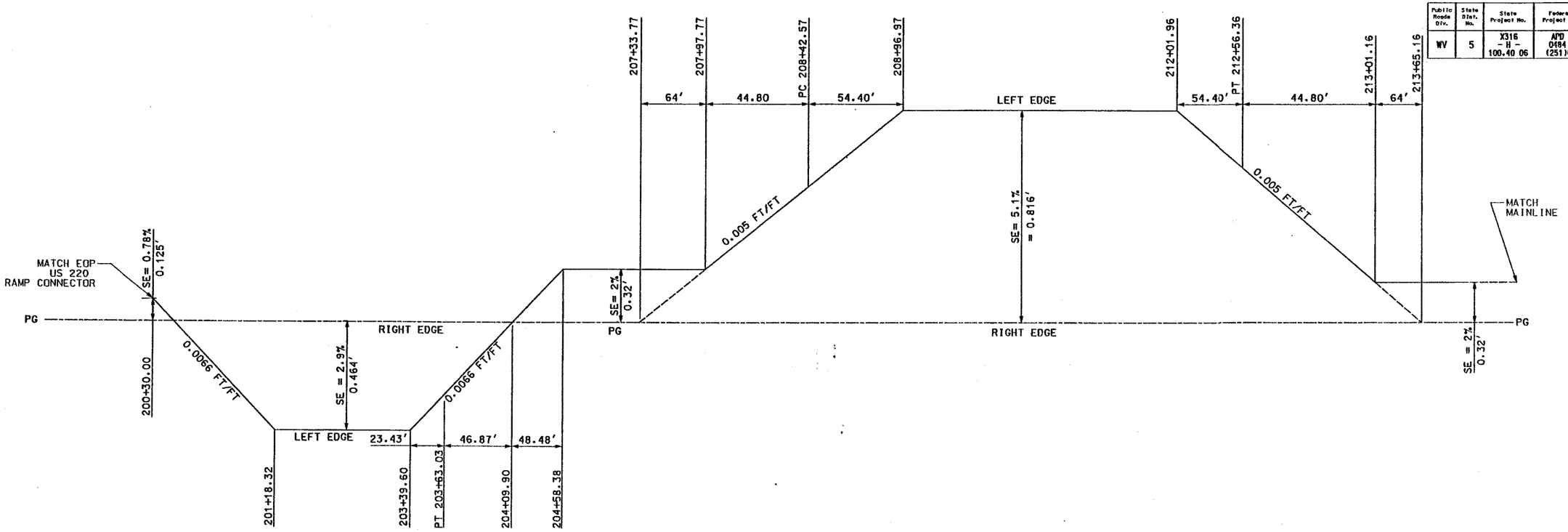
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	61	670



CURVE RMP2-1

CURVE RMP2-2

SUPERELEVATION TABLE

RMP2-1

P.I. 201+82.30
P.C. 200+00.00
S.E. 2.9%
RUNOFF LENGTH 70.30'
RUNOUT 48.48'
RADIUS 1600'
V 30 mph
P.T. 203+63.03
WIDTH 16'

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
200+30.00	846.235	0.125	16	0.00780	846.110					
200+50.00	845.701	-0.009	16	-0.0005	845.710					
201+00.00	844.368	-0.342	16	-0.0213	844.710					
201+18.32	843.880	-0.464	16	-0.0290	844.344					FULL SUPER
201+50.00	843.246	-0.464	16	-0.0290	843.710					
202+00.00	842.246	-0.464	16	-0.0290	842.710					
202+50.00	841.046	-0.464	16	-0.0290	841.510					
203+00.00	839.847	-0.464	16	-0.0290	840.311					
203+39.60	838.897	-0.464	16	-0.0290	839.361					FULL SUPER
203+50.00	838.716	-0.395	16	-0.0247	839.111					
203+63.03	838.490	-0.309	16	-0.0193	838.799					PT
204+00.00	837.847	-0.065	16	-0.0040	837.912					
204+09.90	837.674	0.000	16	0.00000	837.674					
204+50.00	836.977	0.265	16	0.01654	836.712					
204+58.38	836.831	0.320	16	0.02000	836.511					NORMAL CROWN

RMP2-2

P.I. 210+50.21
P.C. 208+42.57
S.E. 5.1%
RUNOFF LENGTH 163.20'
RADIUS 2000'
V 50 mph
P.T. 212+56.36
WIDTH 16'

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
207+97.77	829.412	0.320	16	0.02000	829.092					NORMAL CROWN
208+00.00	829.395	0.331	16	0.02070	829.064					
208+42.57	829.157	0.544	16	0.03400	828.613					PC
208+50.00	829.132	0.581	16	0.03632	828.551					
208+96.97	829.088	0.816	16	0.05100	828.272					FULL SUPER
209+00.00	829.076	0.816	16	0.05100	828.260					
209+50.00	829.007	0.816	16	0.05100	828.191					
210+00.00	829.159	0.816	16	0.05100	828.343					
210+50.00	829.533	0.816	16	0.05100	828.717					
211+00.00	830.129	0.816	16	0.05100	829.313					
211+50.00	830.946	0.816	16	0.05100	830.130					
212+00.00	831.985	0.816	16	0.05100	831.169					
212+01.96	832.031	0.816	16	0.05100	831.215					FULL SUPER
212+50.00	833.006	0.576	16	0.03599	832.430					
212+56.36	833.150	0.544	16	0.03400	832.606					PT
213+00.00	834.203	0.326	16	0.02036	833.877					
213+01.16	834.232	0.320	16	0.02000	833.912					NORMAL CROWN

RAMP 2

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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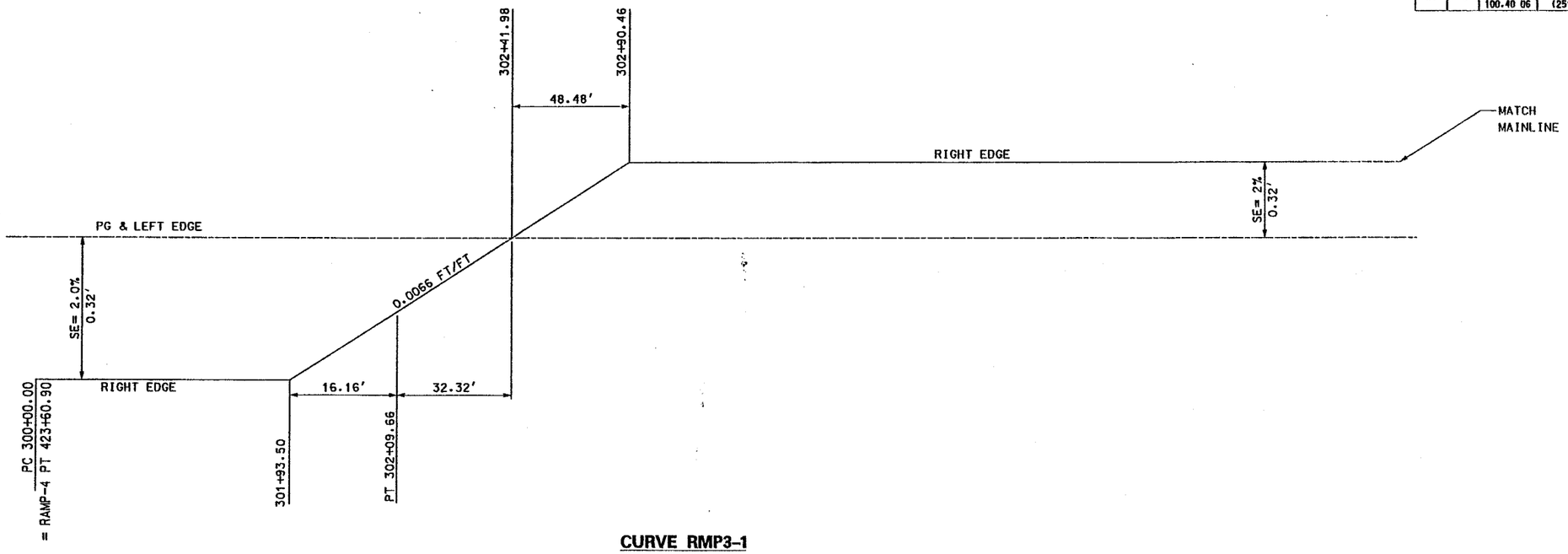
08/14/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	62	670



CURVE RMP3-1

SUPERELEVATION TABLE

P.I. 301+04.87
P.C. 300+00
S.E. R.C. (2.0%)

RUNOFF LENGTH 48.48'
RUNOUT 48.48'
RADIUS 3000'
V 30 mph

P.T. 302+09.66
WIDTH 16'

STATION	LEFT EDGE				PROFILE GRADE (FEET)	RIGHT EDGE				REMARKS
	PAV. EDGE ELEV.	CORR	WIDTH	RATE		RATE	WIDTH	CORR	PAV. EDGE ELEV.	
300+00.00					855.000	-0.02000	16	-0.320	854.680	PC
300+50.00					854.000	-0.02000	16	-0.320	853.680	
301+00.00					853.000	-0.02000	16	-0.320	852.680	
301+50.00					852.000	-0.02000	16	-0.320	851.680	
301+93.50					851.130	-0.02000	16	-0.320	850.810	
302+00.00					851.000	-0.01732	16	-0.277	850.723	
302+09.66					850.807	-0.01333	16	-0.213	850.594	PT
302+41.98					850.160	0.00000	16	0.000	850.160	
302+50.00					850.000	0.00331	16	0.053	850.053	
302+90.46					849.191	0.02000	16	0.320	849.511	NORMAL CROWN

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RAMP 3

SUPERELEVATION TABLES & DIAGRAM

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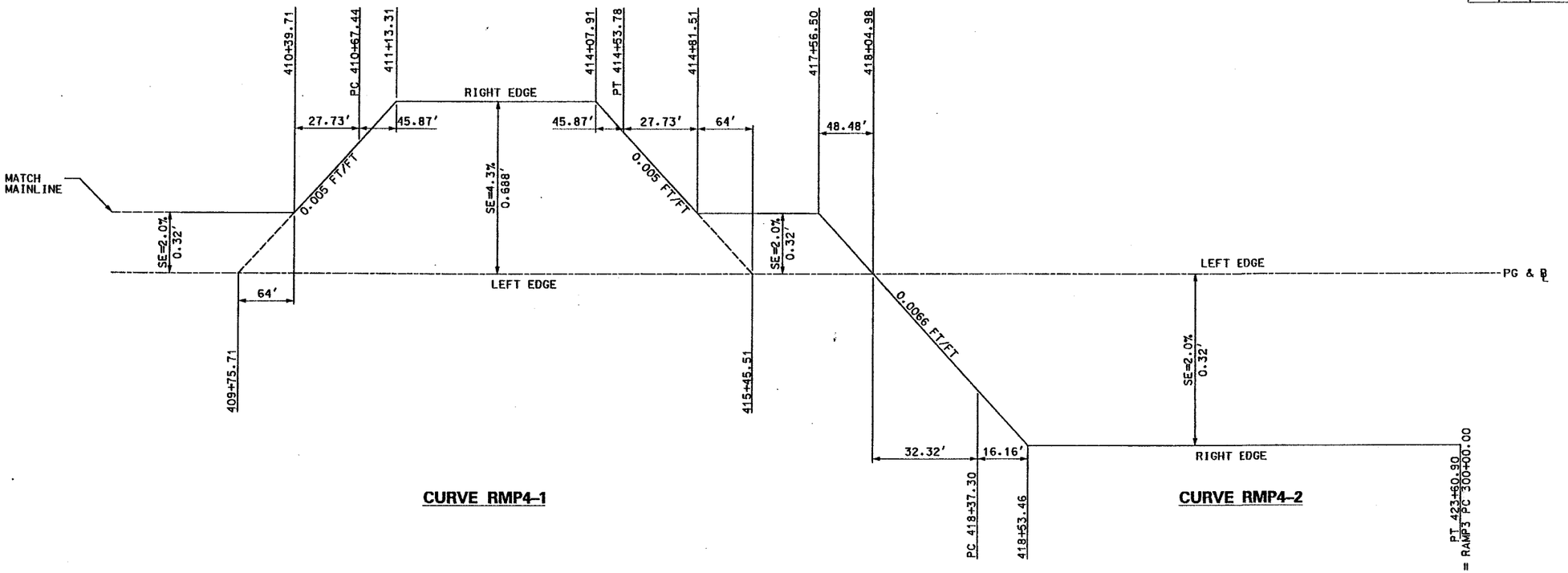
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	63	670



CURVE RMP4-1

CURVE RMP4-2

SUPERELEVATION TABLE

RMP4-1

P.I. 412+61.00 — RUNOFF LENGTH 137.60′ — P.T. 414+53.78

P.C. 410+67.44 — Rc. 2500′ — WIDTH 16′

S.E. 4.3% — V 50 mph

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
410+39.71					827.783	0.02000	16	0.320	828.103	NORMAL CROWN
410+50.00					827.680	0.02322	16	0.371	828.051	
410+67.44					827.506	0.02867	16	0.459	827.965	PC
411+00.00					827.181	0.03884	16	0.621	827.802	
411+13.31					827.048	0.04300	16	0.688	827.736	FULL SUPER
411+50.00					826.681	0.04300	16	0.688	827.369	
412+00.00					826.187	0.04300	16	0.688	826.875	
412+50.00					825.841	0.04300	16	0.688	826.529	
413+00.00					825.704	0.04300	16	0.688	826.392	
413+50.00					825.775	0.04300	16	0.688	826.463	
414+00.00					826.054	0.04300	16	0.688	826.742	
414+07.91					826.118	0.04300	16	0.688	826.806	FULL SUPER
414+50.00					826.542	0.02985	16	0.478	827.020	
414+53.78					826.587	0.02867	16	0.459	827.046	PT
414+81.51					826.956	0.02000	16	0.320	827.276	NORMAL CROWN

RMP4-2

P.I. 420+99.77 — RUNOFF LENGTH 48.48′ — P.T. 423+60.90

P.C. 418+37.30 — RUNOUT 48.48′ — WIDTH 16′

S.E. R.C. (2.0%) — RADIUS 3000′

V 30 mph

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
417+56.50					778.823	0.02000	16	0.320	779.143	NORMAL CROWN
418+00.00					778.191	0.00205	16	0.033	778.224	
418+04.98					777.124	0.00000	16	0.000	777.124	
418+37.30					776.477	-0.01333	16	-0.213	776.264	PC
418+50.00					774.327	-0.01857	16	-0.297	774.030	
418+53.46					773.114	-0.02000	16	-0.320	772.794	
419+00.00					778.823	-0.02000	16	-0.320	778.503	
419+50.00					778.191	-0.02000	16	-0.320	777.871	
420+00.00					777.124	-0.02000	16	-0.320	776.804	
420+50.00					776.477	-0.02000	16	-0.320	776.157	
421+00.00					774.327	-0.02000	16	-0.320	774.007	
421+50.00					778.191	-0.02000	16	-0.320	777.871	
422+00.00					777.124	-0.02000	16	-0.320	776.804	
422+50.00					773.114	-0.02000	16	-0.320	772.794	
423+00.00					778.823	-0.02000	16	-0.320	778.503	
423+50.00					778.191	-0.02000	16	-0.320	777.871	
423+60.90					777.124	-0.02000	16	-0.320	776.804	PT

RAMP 4

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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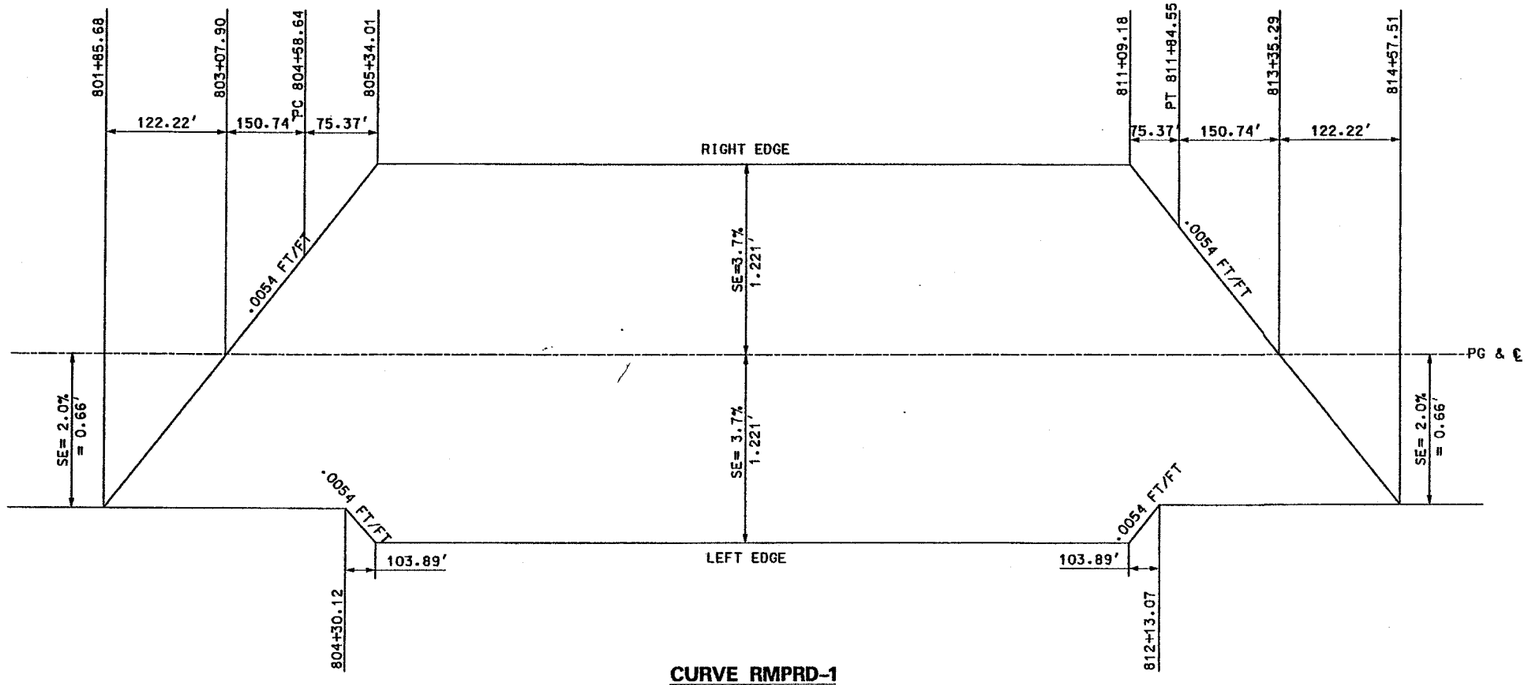
08/14/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	64	670



CURVE RMPRD-1

SUPERELEVATION TABLE

P.I. 808+24.17

P.C. 804+58.64

S.E. 3.7%

RUNOFF LENGTH 226.11'

RUNOUT 122.22'

Rc. 2500'

V 45 mph

P.T. 811+96.55

WIDTH 33'

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
801+85.68	798.327	-0.660	33	-0.0200	798.987	-0.02000	33	-0.660	798.327	
802+00.00	798.288	-0.660	33	-0.0200	798.948	-0.01766	33	-0.583	798.365	
802+50.00	798.045	-0.660	33	-0.0200	798.705	-0.00947	33	-0.313	798.392	
803+00.00	797.795	-0.660	33	-0.0200	798.455	-0.00129	33	-0.043	798.412	
803+07.90	797.756	-0.660	33	-0.0200	798.416	0.00000	33	0.000	798.416	
803+50.00	797.545	-0.660	33	-0.0200	798.205	0.00689	33	0.227	798.432	
804+00.00	797.436	-0.660	33	-0.0200	798.096	0.01507	33	0.497	798.593	
804+30.12	797.506	-0.660	33	-0.0200	798.166	0.02000	33	0.660	798.826	NORMAL CROWN
804+50.00	797.501	-0.767	33	-0.0232	798.268	0.02325	33	0.767	799.035	
804+58.64	797.512	-0.814	33	-0.0246	798.326	0.02467	33	0.814	799.140	PC
805+00.00	797.684	-1.037	33	-0.0314	798.721	0.03143	33	1.037	799.758	
805+34.01	797.969	-1.221	33	-0.0370	799.190	0.03700	33	1.221	800.411	FULL SUPER
805+50.00	798.234	-1.221	33	-0.0370	799.455	0.03700	33	1.221	800.676	
806+00.00	799.250	-1.221	33	-0.0370	800.471	0.03700	33	1.221	801.692	
806+50.00	800.547	-1.221	33	-0.0370	801.768	0.03700	33	1.221	802.989	
807+00.00	802.125	-1.221	33	-0.0370	803.346	0.03700	33	1.221	804.567	
807+50.00	803.984	-1.221	33	-0.0370	805.205	0.03700	33	1.221	806.426	
808+00.00	805.984	-1.221	33	-0.0370	807.205	0.03700	33	1.221	808.426	
808+50.00	807.984	-1.221	33	-0.0370	809.205	0.03700	33	1.221	810.426	

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
809+00.00	809.984	-1.221	33	-0.0370	811.205	0.03700	33	1.221	812.426	
809+50.00	811.984	-1.221	33	-0.0370	813.205	0.03700	33	1.221	814.426	
810+00.00	813.984	-1.221	33	-0.0370	815.205	0.03700	33	1.221	816.426	
810+50.00	815.922	-1.221	33	-0.0370	817.143	0.03700	33	1.221	818.364	
811+00.00	817.734	-1.221	33	-0.0370	818.955	0.03700	33	1.221	820.176	
811+09.18	818.053	-1.221	33	-0.0370	819.274	0.03700	33	1.221	820.495	FULL SUPER
811+50.00	819.642	-1.001	33	-0.0303	820.643	0.03032	33	1.001	821.644	
811+84.55	820.922	-0.814	33	-0.0246	821.736	0.02467	33	0.814	822.550	PT
812+00.00	821.474	-0.731	33	-0.0221	822.205	0.02214	33	0.731	822.936	
812+13.07	821.933	-0.660	33	-0.0200	822.593	0.02000	33	0.660	823.253	NORMAL CROWN
812+50.00	822.983	-0.660	33	-0.0200	823.643	0.01396	33	0.461	824.104	
813+00.00	824.295	-0.660	33	-0.0200	824.955	0.00577	33	0.191	825.146	
813+35.29	825.146	-0.660	33	-0.0200	825.806	0.00000	33	0.000	825.806	
813+50.00	825.483	-0.660	33	-0.0200	826.143	-0.00241	33	-0.079	826.064	
814+00.00	826.545	-0.660	33	-0.0200	827.205	-0.01059	33	-0.349	826.856	
814+50.00	827.483	-0.660	33	-0.0200	828.143	-0.01877	33	-0.619	827.524	
814+57.51	827.613	-0.660	33	-0.0200	828.273	-0.02000	33	-0.660	827.613	

US 220 RAMP CONNECTOR

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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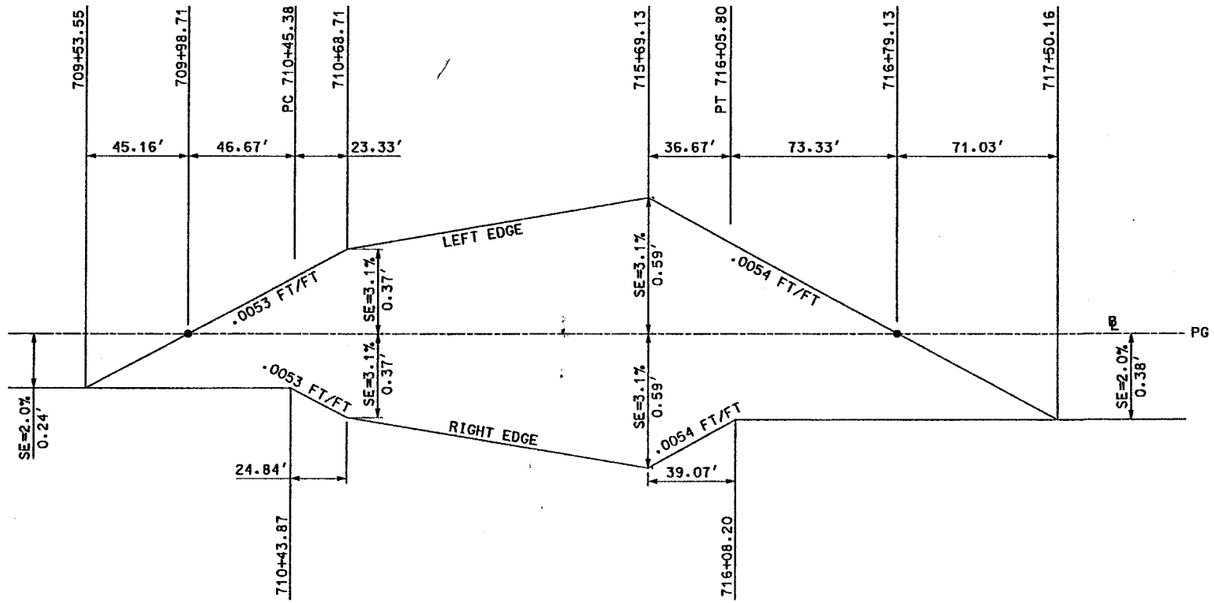
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	65	670



CURVE 220A-2

SUPERELEVATION TABLE

CURVE 220A-2

P.I. 713+26.41

P.C. 710+45.38

S.E. 3.1%

RUNOFF LENGTH 70', 110'

RUNOUT. 45.16', 71.03'

RADIUS 3000'

V 45 mph

P.T. 716+05.80

WIDTH 12' - 19' LANES

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
709+53.55	798.272	-0.240	12	-0.0200	798.512	-0.02000	12	-0.240	798.272	N.C. LEFT LANE
709+98.71	798.151	0.000	12	0.00000	798.151	-0.02000	12	-0.240	797.911	
710+00.00	798.147	0.007	12	0.00057	798.140	-0.02000	12	-0.240	797.900	
710+43.87	798.092	0.240	12	0.02000	797.852	-0.02000	12	-0.240	797.612	N.C. RIGHT LANE
710+45.38	798.092	0.248	12	0.02067	797.844	-0.02067	12	-0.248	797.596	PC
710+50.00	798.094	0.273	12	0.02271	797.821	-0.02271	12	-0.273	797.548	
710+68.71	798.116	0.372	12	0.03100	797.744	-0.03100	12	-0.372	797.372	FULL SUPER
711+00.00	798.051	0.386	12.462	0.03100	797.665	-0.03100	12.959	-0.402	797.263	
711+50.00	798.077	0.406	13.107	0.03100	797.671	-0.03100	13.598	-0.422	797.249	
712+00.00	798.265	0.426	13.748	0.03100	797.839	-0.03100	14.233	-0.441	797.398	
712+50.00	798.535	0.446	14.385	0.03100	798.089	-0.03100	14.864	-0.461	797.628	
713+00.00	798.805	0.466	15.018	0.03100	798.339	-0.03100	15.491	-0.480	797.859	
713+50.00	799.074	0.485	15.647	0.03100	798.589	-0.03100	16.113	-0.500	798.089	
714+00.00	799.303	0.504	16.272	0.03100	798.799	-0.03100	16.732	-0.519	798.280	
714+50.00	799.411	0.524	16.892	0.03100	798.887	-0.03100	17.345	-0.538	798.349	
715+00.00	799.392	0.543	17.508	0.03100	798.849	-0.03100	17.972	-0.557	798.292	
715+50.00	799.249	0.562	18.118	0.03100	798.687	-0.03100	18.548	-0.575	798.112	
715+69.13	799.183	0.589	19.000	0.03100	798.594	-0.03100	19.000	-0.589	798.005	FULL SUPER
716+00.00	798.863	0.424	19	0.02230	798.439	-0.02230	19	-0.424	798.015	

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
716+05.80	799.803	0.393	19	0.02067	798.410	-0.02067	19	-0.393	798.017	PT
716+08.16	798.779	0.380	19	0.02000	798.399	-0.02000	19	-0.380	798.019	N.C. RIGHT LANE
716+50.00	798.345	0.156	19	0.00821	798.189	-0.02000	19	-0.380	797.809	
716+79.13	798.044	0.000	19	0.00000	798.044	-0.02000	19	-0.380	797.664	
717+00.00	797.827	-0.112	19	-0.0058	797.939	-0.02000	19	-0.380	797.559	
717+50.00	797.331	-0.379	19	-0.0199	797.710	-0.02000	19	-0.380	797.330	
717+50.10	797.330	-0.380	19	-0.0200	797.710	-0.02000	19	-0.380	797.330	N.C. LEFT LANE

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

US 220

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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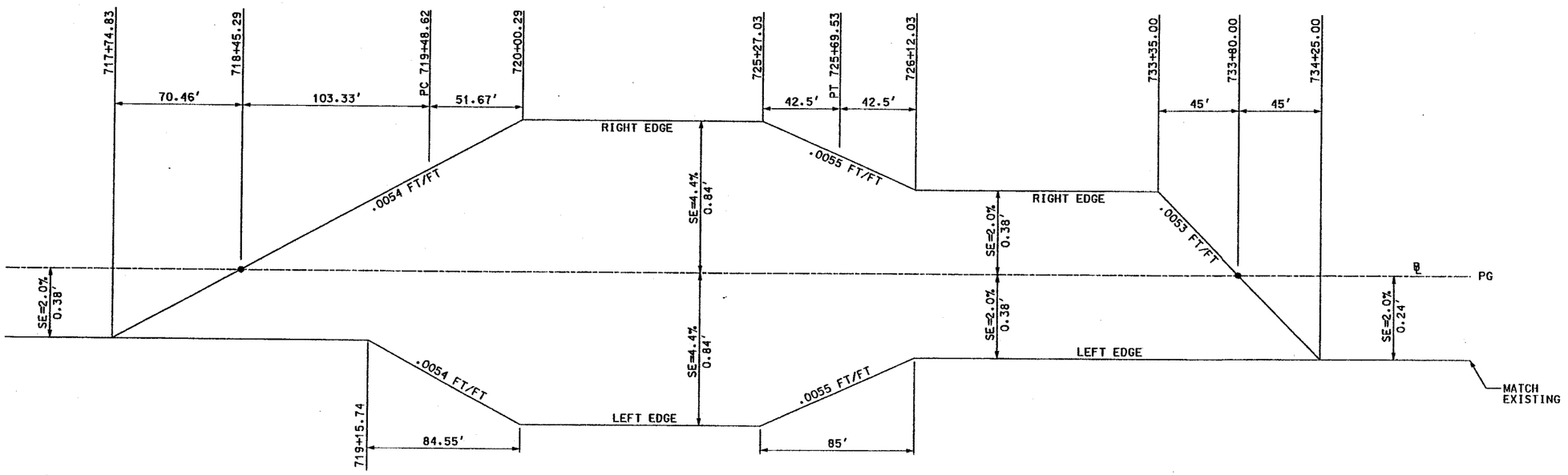
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	66	670



CURVE 220A-3 **CURVE 220A-3** **CURVE 220A-3**

SUPERELEVATION TABLE

P.I. 722+61.59

P.C. 719+48.62

S.E. 4.4%

CURVE 220A-3

RUNOFF LENGTH 155', 130'

RUNOUT. 70.46', 85'

RADIUS 2000'

V 45 mph

P.T. 725+69.53

WIDTH 19'

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
717+74.83	797.268	-0.380	19	-0.0200	797.648	-0.02000	19	-0.380	797.268	NORMAL CROWN
718+00.00	797.247	-0.380	19	-0.0200	797.627	-0.01286	19	-0.244	797.383	
718+45.29	797.315	-0.380	19	-0.0200	797.695	0.00000	19	0.000	797.695	
718+50.00	797.330	-0.380	19	-0.0200	797.710	0.00134	19	0.025	797.735	
719+00.00	797.559	-0.380	19	-0.0200	797.939	0.01553	19	0.295	798.234	
719+15.74	797.638	-0.380	19	-0.0200	798.018	0.02000	19	0.380	798.398	
719+48.62	797.625	-0.557	19	-0.0293	798.182	0.02933	19	0.557	798.739	PC
719+50.00	797.624	-0.565	19	-0.0297	798.189	0.02972	19	0.565	798.754	
720+00.29	797.605	-0.836	19	-0.0440	798.441	0.04400	19	0.836	799.277	FULL SUPER
720+50.00	797.853	-0.836	19	-0.0440	798.689	0.04400	19	0.836	799.525	
721+00.00	798.103	-0.836	19	-0.0440	798.939	0.04400	19	0.836	799.775	
721+50.00	798.353	-0.836	19	-0.0440	799.189	0.04400	19	0.836	800.025	
722+00.00	798.603	-0.836	19	-0.0440	799.439	0.04400	19	0.836	800.275	
722+50.00	798.853	-0.836	19	-0.0440	799.689	0.04400	19	0.836	800.525	
723+00.00	799.103	-0.836	19	-0.0440	799.939	0.04400	19	0.836	800.775	
723+50.00	799.353	-0.836	19	-0.0440	800.189	0.04400	19	0.836	801.025	
724+00.00	799.603	-0.836	19	-0.0440	800.439	0.04400	19	0.836	801.275	
724+50.00	799.853	-0.836	19	-0.0440	800.689	0.04400	19	0.836	801.525	
725+00.00	800.103	-0.836	19	-0.0440	800.939	0.04400	19	0.836	801.775	
725+27.03	800.239	-0.836	19	-0.0440	801.075	0.04400	19	0.836	801.911	FULL SUPER
725+50.00	800.480	-0.709	19	-0.0373	801.189	0.03732	19	0.709	801.898	
725+69.53	800.686	-0.601	19	-0.0316	801.287	0.03163	19	0.601	801.888	PT
726+00.00	801.029	-0.421	18.49	-0.0227	801.450	0.02276	18.49	0.421	801.871	
726+12.03	801.156	-0.366	18.29	-0.0200	801.522	0.02000	18.29	0.366	801.888	

STATION	LEFT EDGE PAV. EDGE ELEV.	LEFT EDGE CORR	LEFT EDGE WIDTH	LEFT EDGE RATE	PROFILE GRADE (FEET)	RIGHT EDGE RATE	RIGHT EDGE WIDTH	RIGHT EDGE CORR	RIGHT EDGE PAV. EDGE ELEV.	REMARKS
726+50.00	801.430	-0.353	17.66	-0.0200	801.783	0.02000	17.66	0.353	802.136	
726+89.53	801.766	-0.340	17	-0.0200	802.106	0.02000	17.00	0.340	802.446	
727+00.00	801.860	-0.340	17	-0.0200	802.200	0.02000	16.83	0.337	802.537	
727+50.00	802.327	-0.340	17	-0.0200	802.667	0.02000	15.99	0.320	802.987	
728+00.00	802.648	-0.340	17	-0.0200	802.988	0.02000	15.16	0.303	803.289	
728+50.00	802.785	-0.340	17	-0.0200	803.125	0.02000	14.33	0.287	803.412	
729+00.00	802.743	-0.340	17	-0.0200	803.083	0.02000	13.62	0.272	803.355	
729+50.00	802.521	-0.340	17	-0.0200	802.861	0.02000	12.81	0.256	803.117	
730+00.00	802.118	-0.340	17	-0.0200	802.458	0.02000	12	0.240	802.698	
730+50.00	801.539	-0.336	16.82	-0.0200	801.875	0.02000	12	0.240	802.115	
731+00.00	800.785	-0.326	16.29	-0.0200	801.111	0.02000	12	0.240	801.351	
731+50.00	799.859	-0.308	15.40	-0.0200	800.167	0.02000	12	0.240	800.407	
732+00.00	798.806	-0.283	14.15	-0.0200	799.089	0.02000	12	0.240	799.329	
732+50.00	797.902	-0.259	12.94	-0.0200	798.161	0.02000	12	0.240	798.401	
733+00.00	797.189	-0.242	12.09	-0.0200	797.431	0.02000	12	0.240	797.671	
733+07.06	797.104	-0.240	12	-0.0200	797.344	0.02000	12	0.240	797.584	
733+35.00	796.797	-0.240	12	-0.0200	797.037	0.02000	12	0.240	797.277	
733+50.00	796.658	-0.240	12	-0.0200	796.898	0.01333	12	0.160	797.058	
733+80.00	796.432	-0.240	12	-0.0200	796.672	0.00000	12	0.000	796.672	
734+00.00	796.322	-0.240	12	-0.0200	796.562	-0.00889	12	-0.107	796.455	
734+25.00	796.227	-0.240	12	-0.0200	796.467	-0.02000	12	-0.240	796.227	NORMAL CROWN

NOT TO SCALE

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

US 220

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUPERELEVATION TABLES & DIAGRAM

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	67	670

LEGEND

- TEMPORARY IMPACT ATTENUATOR, TYPE IV - TEMP. G.R.E.A.T.
- CHANNELIZING DEVICES (DRUMS)
- TRAFFIC FLOW
- FLAGGER
- ELECTRIC ARROW
- SIGN ON SINGLE SUPPORT
- SIGN ON DOUBLE SUPPORT
- TYPE III BARRICADE
- TEMPORARY OR MOVABLE CONCRETE BARRIER
- WORK AREA
- SIGN WITH 18"x18" (MIN.) ORANGE FLAGS ATTACHED. (2 FLAGS PER SIGN) AND TYPE B LIGHTS

INDEX TO MOT SHEETS

NUMBER	DESCRIPTION
MT-001	INDEX TO SHEETS, LEGEND, SUMMARY & QUANTITIES
MT-002	GENERAL NOTES & SEQUENCE OF CONSTRUCTION
MT-003	SHEET LAYOUT & ADVANCE SIGNING
MT-004	TEMPORARY PAVEMENT WIDENING TYPICAL SECTION & SIGN FABRICATION DETAILS
MT-005-009	STAGE 1, STEP 1 CONSTRUCTION
MT-010-014	STAGE 1, STEP 2 CONSTRUCTION
MT-015-017	STAGE 1, STEP 3 CONSTRUCTION
MT-018-021	STAGE 2 CONSTRUCTION

TRAFFIC CONTROL DEVICES QUANTITIES

DEVICE	DESCRIPTION	VALUES IN UNITS	QUANTITIES	UNITS
*1	SIGNS ON PORTABLE MOUNTS AND BARRICADES TOTAL SIGN AREA 16 SQ.FT. OR GREATER	170	2	340
*2	SIGNS ON PORTABLE MOUNTS AND BARRICADES TOTAL SIGN AREA LESS THAN 16 SQ.FT.	80	8	640
*3	SIGNS ON PERMANENT POSTS TOTAL SIGN AREA 16 SQ.FT. OR GREATER	180	16	2,880
*4	SIGNS ON PERMANENT POSTS TOTAL SIGN AREA LESS THAN 16 SQ.FT.	90	4	360
**5	BARRICADES - TYPE I	35		
**6	BARRICADES - TYPE II	60		
**7	BARRICADES - TYPE III	90	8	720
**8	DRUMS	60	50	3,000
9	CONES	5	20	100
10	VERTICLE PANELS OR GROUND MOUNTED DELINEATORS	10	70	700
11	BARRIER OR GUARDRAIL MOUNTED DELINEATORS TO BE BID INCIDENTAL TO THE COST OF THE BARRIER OR GUARDRAIL	0	65	0
12	TEMPORARY OVERLAYS AND TEMPORARY OVERSIZE SIGNS (INCLUDES 2 MAX FINES SIGNS)	300	2	600
			TOTAL	9,340

* -ORANGE SIGN SHEETING TO BE REFLECTIVE FLUORESCENT ORANGE - TYPE V

**-BARRICADES AND DRUM SHEETING TO BE 6" FLEXIBLE HIGH INTENSITY, TYPE V

MAINTENANCE OF TRAFFIC SUMMARY

ITEM NO	DESCRIPTION	UNIT	QUANTITY	TOTAL
636002-001	AGGREGATE FOR MAINTAINING TRAFFIC, STONE OR GRAVEL	TON	1,176(220CONN)+212(US220)+100(MISC)=	1,488
636002-002	AGGREGATE FOR MAINTAINING TRAFFIC, SLAG	TON		1,354
636003-001	BITUMINOUS MATERIAL FOR DUST PALLIATIVE	GAL		
636004-001	CALCIUM CHLORIDE FOR DUST PALLIATIVE	TON		
636005-001	TEMPORARY STRUCTURE FOR MAINTAINING TRAFFIC	LS		
636006-001	PILOT TRUCK AND DRIVER	DAY		
636007-001	ERADICATION OF PAVEMENT MARKING	LF		1,500
636008-001	TEMPORARY PAVEMENT MARKING-PAINT 4 IN SOLID LINE	LF		36,000
636009-001	TEMPORARY PAVEMENT MARKING-TAPE 4 IN SOLID LINE	LF		
636010-003	TEMPORARY RAISED PAVEMENT MARKERS - TYPE TCZ	EACH		
636011-001	TRAFFIC CONTROL DEVICE	UNIT		9,340
636012-010	PROJECT TRAFFIC CONTROL DEVICE CLEANING	EACH		2
636013-001	INDIVIDUAL TRAFFIC CONTROL DEVICE CLEANING	EACH		60
636014-001	FLAGGER	HR		3,000
636014-002	TRAFFIC DIRECTOR	HR		
636015-001	TEMPORARY GUARDRAIL CHANNELIZATION DEVICE	LF		
636017-001	TEMPORARY CONCRETE BARRIER	LF		1,250
636017-002	DOH FURNISHED TEMPORARY CONCRETE BARRIER	LF		
636018-001	REMOVE AND RESET TEMPORARY CONCRETE BARRIER	LF		
636018-002	REMOVE AND RESET DOH FURNISHED TEMP CONCRETE BARRIER	LF		
636019-001	TEMPORARY GUARDRAIL BARRIER	LF		
636020-001	REMOVE AND RESET TEMPORARY GUARDRAIL BARRIER	LF		
636021-001	ELECTRIC ARROW	DAY		
636022-001	CHANGEABLE MESSAGE SIGN	DAY		360
636023-001	TEMPORARY TRAFFIC SIGNAL	LS		
636024-001	TEMPORARY PIPE FOR MAINTAINING TRAFFIC	LF		
636025-001	WARNING LIGHTS, TYPE A	DAY		
636025-001	WARNING LIGHTS, TYPE B	DAY		1,080
636025-001	WARNING LIGHTS, TYPE C	DAY		2,700
636026-001	TEMPORARY LIGHTING (PORTABLE)	LS		
636028-001	SHADOW VEHICLE	DAY		
636030-001	SPEED MONITORING TRAILER	DAY		
637001-001	WATER FOR DUST PALLIATIVE	MG		20
664001-008	IMPACT ATTENUATING DEVICE, TYPE IV	EA		2
664001-009	REMOVE & RESET G.R.E.A.T. ATTENUATOR DEVICE	EA		

Baker

Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
INDEX TO SHEETS, LEGEND, MOT SUMMARY & TRAFFIC CONTROL DEVICES QUANTITIES

MT-001

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	68	670

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH SECTION 636 OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS, ROADS AND BRIDGES, ADOPTED 2000, AND THE SUPPLEMENTAL SPECIFICATIONS ISSUED JANUARY 1, 2003 AS AMENDED BY THE MANUAL, "TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS" NOVEMBER 1994, WHICH ARE MADE A PART OF THIS CONTRACT AND THE TRAFFIC PLAN FOR INDIVIDUAL SEGMENTS AS DESCRIBED BELOW:

2. REFLECTIVE SHEETING ON TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE OF NEW CONDITION AT THE BEGINNING OF THE PROJECT LIFE. NIGHT VISIBILITY SHALL BE MAINTAINED.

3. PAVING
   A. USE "BUMP"(W8-1) AND "UNEVEN LANES"(W8-11) SIGNS AS NECESSARY.
   B. USE "LOW SHOULDER"(W8-9) SIGNS AT APPROX. 500 FT. SPACING WHEN DIFFERENCE IN ELEVATION IS UP TO 2 INCHES; IF GREATER THAN 2 INCHES, USE DRUMS AT 50 FT. AND "SHOULDER DROP OFF"(W8-9A) SIGNS AT 500 FT.
   C. THERE WILL BE NO MORE THAN ONE LIFT DIFFERENCE IN ELEVATION BETWEEN ADJACENT LANES.

4. EXISTING SIGNS AND DELINEATORS NOTE
   ANY SUCH EXISTING FACILITIES MODIFIED, REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND SUCH SHALL BE BID INCIDENTAL TO ITEM 636011-001, UNLESS REPLACED BY FINAL SIGNING.

5. MOVING FLAGGER SPECIAL PROVISION
   ALL FLAGGERS SHALL BE FURNISHED BY THE CONTRACTOR AND ALL FLAGGING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. WHERE A MOVING FLAGGER IS NOTED OR CALLED FOR, TWO FLAGGERS SHALL BE PROVIDED AT EACH END OF THE AREAS WHERE TRAFFIC IS BEING STOPPED. ONE FLAGGER IS TO BE POSITIONED IN ACCORDANCE WITH THE MANUAL, WHILE THE OTHER FLAGGER IS TO CONTINUALLY MOVE WITH STOPPING TRAFFIC. TWO-WAY RADIOS SHALL BE PROVIDED TO THE FLAGGERS WHEN THEY ARE OUT OF SIGHT OF EACH OTHER.

6. TWO CHANGEABLE MESSAGE SIGNS HAVE BEEN INCLUDED IN THIS PROJECT. THEY WILL BE FOR LEAD-INS FOR BOTH DIRECTIONS AS DIRECTED BY THE ENGINEER. FOR MESSAGES, CONTACT TRAFFIC ENGINEERING DIVISION IN CHARLESTON AT 558-3063, OR THE DISTRICT TRAFFIC ENGINEER.

7. WHEN COVERING EXISTING OR CONSTRUCTION SIGNS, THE CONTRACTOR HAS THE OPTIONS OF USING:
   A. HEAVY DUTY BLACK OVERLAY (PLASTIC OR BURLAP TYPE) - EXCEPTION WINTER SHUTDOWN
   B. THIN WOOD OVERLAY (E.G. PLYWOOD)
   C. TAKING SIGNS DOWN AND REINSTALLING WHEN APPROPRIATE
   D. ANY DAMAGES CAUSED BY ABOVE-NAMED SHALL BE REPAIRED/REPLACED TO ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE.
   E. ALL ABOVE OPERATIONS SHALL BE BID INCIDENTAL TO ITEM 636011-001.

8. TEMPORARY TAPE
   ALL TEMPORARY TAPE SHALL BE MECHANICALLY APPLIED.
   SOLID LINES SHALL HAVE A TWO INCH GAP EVERY 50 FEET.

9. ANY TEMPORARY CONCRETE BARRIERS SHALL HAVE TYPE B-1 DELINEATORS (WHITE OR YELLOW AS APPROPRIATE) FACING TRAFFIC AT 20 FOOT CENTERS. ALSO TO HAVE TYPE 'C' LIGHTS AT 100 FOOT CENTERS.

10. ANY TYPE IV TEMPORARY IMPACT ATTENUATORS BID SHALL BE QUAD GUARD CZ OR TRACC OR APPROVED EQUAL, 2'-0" WIDE, 6-BAY, BI-DIRECTIONAL WITH APPROPRIATE BACKUP PER THE MANUFACTURERS RECOMMENDATIONS.
    ANY TEMPORARY IMPACT ATTENUATORS SUFFERING DAMAGE SHALL BE REPAIRED OR REPLACED AS APPROPRIATE WITHIN 24 HOURS. IF THE ATTENUATOR IS NOT REPAIRED OR REPLACED WITHIN 24 HOURS OF THE NOTIFICATION, A PENALTY OF $1,000 SHALL BE ASSESSED PER DAY OR FRACTION THEREOF.
    SUCH OPERATIONS TO INCLUDE ALL REPAIR PARTS NECESSARY AND COSTS SHALL BE BID INCIDENTAL TO ITEM 664001-008.

11. WINTER SHUTDOWN
    THE PROJECT AREA AND ATTENDANT ROADWAY (TRAVEL LANES AND SHOULDERS, ETC.) SHALL BE LEFT IN A "SQUARED OFF"/EASILY TRAVERSABLE, SAFE CONDITION THAT IS PREAGREED TO BY THE ENGINEER. SUCH WILL INCLUDE, BUT NOT BE LIMITED TO, PAVEMENT MARKINGS (TEMPORARY PAVEMENT MARKINGS), SIGNING, RIDEABLE PAVEMENT, AND NECESSARY GUARDRAIL, BARRIER, ETC. AS NOTED ON THE PLANS AND AS APPROPRIATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE TEMPORARY PAINT OR TEMPORARY TAPE THROUGHOUT THE WINTER MONTHS AT THE ENGINEERS DIRECTION (INCIDENTAL TO ITEM 636011-001).
    EXISTING SIGNS COVERED FOR START OF PROJECT SHALL BE UNCOVERED (INCIDENTAL TO ITEM 636011-001) TRAFFIC CONTROL DEVICES THAT ARE NOT NEEDED OR DESIRED AS DETERMINED BY THE ENGINEER SHALL BE EITHER REMOVED OR COVERED AND ALL SUCH PAYMENT SHALL BE BID INCIDENTAL TO ITEM 636011-001.
    PORTABLE CONSTRUCTION SIGNS SHALL BE REMOVED. NON-PORTABLE CONSTRUCTION SIGNS SHALL BE COVERED. SNOW REMOVAL AND ICE CONTROL (SR & IC) FOR ACTIVE ROADWAYS IN THE PROJECT WILL BE ACCOMPLISHED BY THE WVDOT.

12. COORDINATION WITH MEDIA
    BEFORE THE CONTRACTOR PROCEEDS WITH ANY WORK, BEFORE CHANGING STAGES (OR SUB-STAGES), BEFORE RAMP CLOSURES, THE CONTRACTOR SHALL COORDINATE SUCH WITH THE DIVISION OF HIGHWAYS TO NOTIFY TELEVISION, RADIO, NEWSPAPERS, HOSPITALS, FIRE DEPARTMENTS, SCHOOLS, POLICE, EMERGENCY VEHICLES, ETC. AS APPROPRIATE.

13. CONTRACTOR COORDINATION
    IT IS ANTICIPATED THAT OTHER CONTRACTORS WILL BE WORKING IN THIS AREA, AND IT IS IMPERATIVE THAT STRICT COORDINATION BETWEEN CONTRACTORS BE AGREED ON IN REFERENCE TO WORKING PLAN, AND STORAGE AREAS.
    IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE TRAFFIC CONTROL (INCLUDING SIGNING) WITH ANY ADJACENT CONSTRUCTION PROJECT.
    THIS COORDINATION SHALL BE DONE SO THAT ANY CLOSURE OR LANE SHIFT SHALL NOT CONFLICT WITH ANY OTHER CLOSURE OR LANE SHIFT.
    THIS COORDINATION SHALL INCLUDE ADJACENT CONSTRUCTION SHUT-DOWNS.
    THIS PLAN OF COORDINATION SHALL BE PRESENTED TO THE ENGINEER IN WRITING FOR HIS REVIEW & APPROVAL.
    CONTRACTOR TO COORDINATE ALL TRAFFIC CONTROL AND ALL MAINTENANCE OF TRAFFIC WITH THE WVDOH DISTRICT ENGINEER.

14. ACCESS TO ALL HOUSES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

NOTE A: MUST MAINTAIN TWO-WAY, TWO-LANE TRAFFIC OVERNIGHT, ON WEEKENDS, OR HOLIDAYS WITH NO MORE THAN ONE LIFT DIFFERENCE (TWO INCHES ±) BETWEEN ADJACENT LANES.

15. THE CONTRACTOR SHALL RELOCATE, TEMPORARILY COVER, AND/OR TAKE DOWN ROUTE MARKERS AND OTHER SIGNS AS APPROPRIATE IN ORDER TO CONTINUE THE INTEGRITY OF THE VARIOUS STAGES OF THE TRAFFIC CONTROL PLAN. ANY SUCH WORK THAT IS REQUIRED SHALL BE BID INCIDENTAL TO ITEM 636011-001.

16. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR REMOVAL OF TEMPORARY ROADS, STRUCTURES, AND DETOURS. THE COST SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR ITEM 207001-001, UNCLASSIFIED EXCAVATION.

17. LOCATIONS OF ALL TRAFFIC CONTROL DEVICES SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS ARE APPROXIMATE. FINAL LOCATIONS OF THE TRAFFIC CONTROL DEVICES SHALL BE ESTABLISHED IN THE FIELD BY THE ENGINEER.

18. RESTORE ANY PAVED, LANDSCAPED, CURBED, & SIDEWALK, AREAS DISTURBED DURING CONSTRUCTION ACTIVITIES TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER.

19. RESERVING AND REHANDLING OF ANY UNCLASSIFIED EXCAVATED MATERIAL AS A RESULT OF THE MAINTENANCE OF TRAFFIC PLAN AS SHOWN, OR NECESSITATED ON THE PROJECT DURING CONSTRUCTION SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

20. THE MAINTENANCE OF TRAFFIC SCHEME (STAGING) LISTED HEREIN IS ONLY A RECOMMENDATION. SHOULD THE CONTRACTOR DESIRE TO ADOPT ALTERNATIVE STAGING, OR TO COMBINE STAGES, THE CONTRACTOR SHALL SUBMIT THE ALTERNATE SCHEME TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST 14 DAYS PRIOR TO THE COMMENCEMENT OF WORK IN THE AFFECTED AREA.

21. FLAGGER: WHEN WORK IS PERFORMED AT NIGHT WITH A FLAGGER, THE FLAGGER STATIONS SHALL BE ADEQUATELY ILLUMINATED. THIS COST SHALL BE PAID FOR AS PART OF ITEM 636014-001.

SEQUENCE OF CONSTRUCTION:

STAGE 1, STEP 1: (SEE SHEETS MT-005 TO MT-009 INCLUSIVE)

USING STANDARD CASE A-9, WIDEN US220 WITH TEMPORARY PAVEMENT AS SHOWN ON THESE PLANS WITHOUT DISTURBING THE EXISTING TRAFFIC /PATTERN.
WIDEN TO THE LEFT FROM STATION 709 TO 712.
TAPER TO FINAL CONSTRUCTION TO THE LEFT AT STATION 713.
CONSTRUCT FINAL LEFT SIDE TO STATION 725±.
WIDEN TO THE RIGHT FROM STATION 721 TO 737±.
CONSTRUCT THE TEMPORARY ENTRANCE ROAD TO THE CARWASH ROAD & ACCESS ROAD 12.

STAGE 1, STEP 2: (SEE SHEETS MT-010 TO MT-014 INCLUSIVE)

USING STANDARD CASE A-12 AND THE 'ONE LANE AT A TIME, ONE LIFT AT A TIME' METHOD, GUIDE US220 TRAFFIC ONTO THE NEW CONSTRUCTION AND FINISH CONSTRUCTION OF THE LEFT SIDE OF THE WIDENED AND IMPROVED US220 AS SHOWN ON THESE PLANS.
WHILE CUSTOMER TRAFFIC USES THE TEMPORARY ENTRANCE ROAD, CONSTRUCT THE US220 RAMP CONNECTOR FROM STATION 800 TO AT LEAST STATION 814, THE NEW CARWASH ROAD, ACCESS ROAD 12 & ACCESS ROAD 13 (INCLUDING PAVEMENT).
US220 WORK TO THE RIGHT FROM STATION 709± TO 721± CAN NOT START UNTIL THE US220 RAMP CONNECTOR, THE NEW CARWASH ROAD, ACCESS ROAD 12 & ACCESS ROAD 13 ARE COMPLETE AND READY FOR TRAFFIC.

STAGE 1, STEP 3: (SEE SHEETS MT-015 TO MT-017 INCLUSIVE)

REMOVE THE TEMPORARY ENTRANCE ROAD.
COMPLETE THE US220 WORK TO THE RIGHT FROM STATION 709± TO 721±.
APPLY TEMPORARY PAVEMENT TO PROVIDE FOR 2 TEMPORARY 12' LANES FOR TRAFFIC IN STAGE 2.

STAGE 2: (SEE SHEETS MT-018 TO MT-021 INCLUSIVE)

USING STANDARD CASE A-9, GUIDE US220 TRAFFIC ONTO THE NEW PORTION OF US220 AND FINISH CONSTRUCTION OF THE WIDENED AND IMPROVED US220 AS SHOWN ON THESE PLANS. REMOVE ALL TEMPORARY PAVEMENT.

ALSO CONSTRUCT ACCESS ROADS PRIOR TO MAINLINE CORRIDOR H CONSTRUCTION.

MT-002

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC

GENERAL NOTES & SEQUENCE OF CONSTRUCTION

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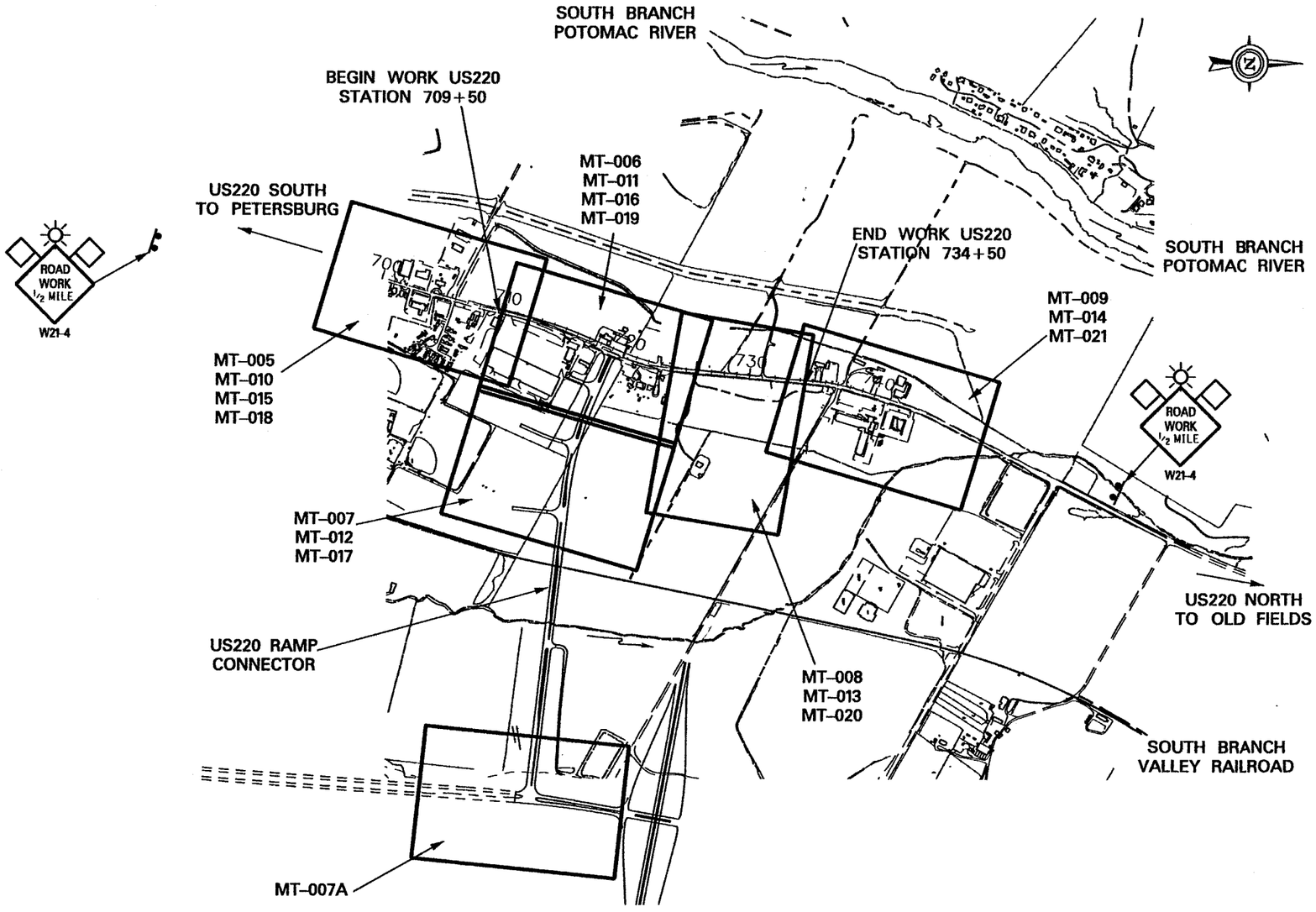
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	69	670



MT-003

SCALE : 0 500ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC

ADVANCE SIGNING &
SHEET LAYOUT

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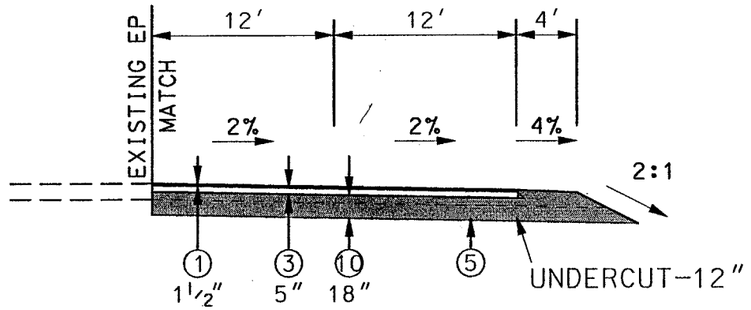
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 D6	APD-0484 (251)C	2003	HARDY	70	670

LEGEND

(1) ITEM 402001-011 SUPERPAVE HOT-MIX ASPHALT SKID RESISTANT PAVEMENT, STONE OR GRAVEL, TYPE 9.5, PER TON
(3) ITEM 401001-011 SUPERPAVE HOT MIX ASPHALT BASE COURSE, STONE OR GRAVEL, BASE I, TYPE 37.5, PER TON
(10) ITEM 307001-000 AGGREGATE BASE COURSE, STONE OR GRAVEL, CLASS 1
(5) ITEM 207034-000 FABRIC FOR SEPARATION, PER SY

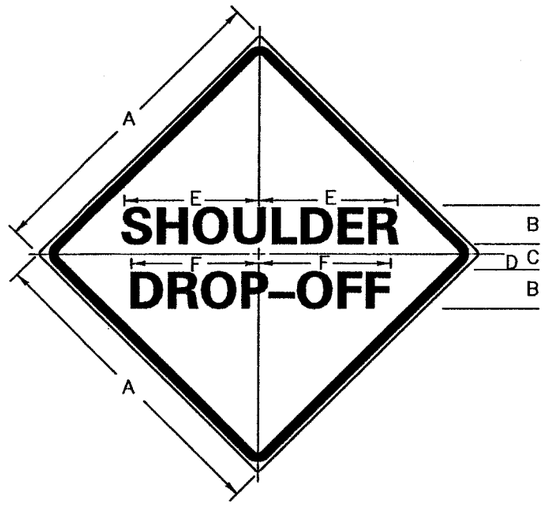


US220 - TEMPORARY WIDENING PAVEMENT TYPICAL
NTS

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
48"	6"D	4.0	2.5	20.52	20.18									

P	Q	R	S	T	U	V	W	X	Y	Z	MARGIN	BORDER	BORDER RADIUS
											0.75"	1.25"	2.25"

NOTES:



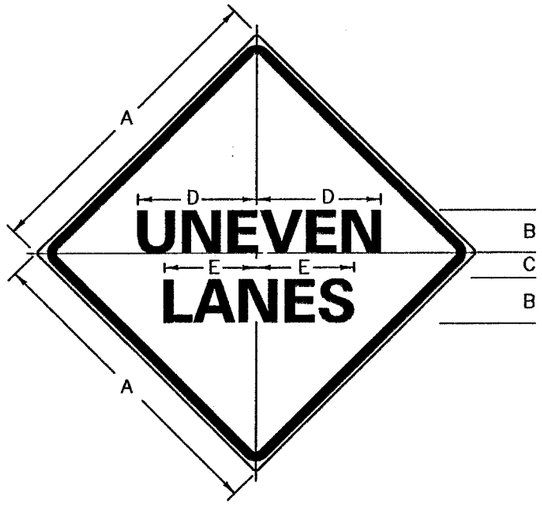
020849

DATE	REVISED	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING DIVISION	BLACK Legend and Border Background; ORANGE Reflectorized Background; Reflectorized Legend	FABRICATION SHEET
04-17-96				W8-9a

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
48"	7"E	4.0	20.41	17.05										

P	Q	R	S	T	U	V	W	X	Y	Z	MARGIN	BORDER	BORDER RADIUS
											0.75"	1.25"	2.25"

NOTES:



020850

DATE	REVISED	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS TRAFFIC ENGINEERING DIVISION	BLACK Legend and Border Background; ORANGE Reflectorized Background; Reflectorized Legend	FABRICATION SHEET
04-17-96				W8-11

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-004

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
MAINTENANCE OF TRAFFIC
TEMPORARY PAVEMENT TYPICAL & SIGN FABRICATION DETAILS

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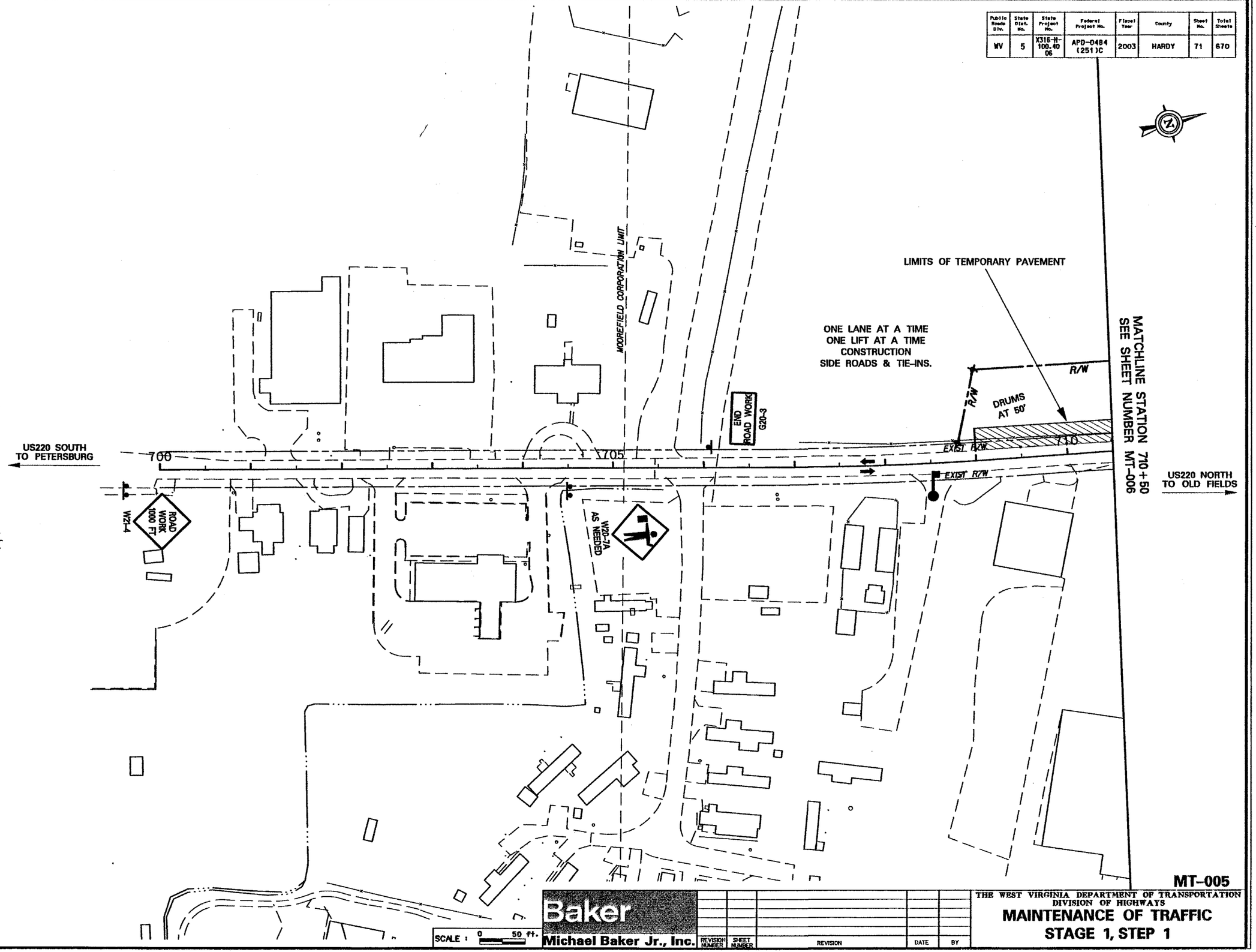
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X315-H-100.40 06	APD-0484 (251)C	2003	HARDY	71	670



Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 1

MT-005

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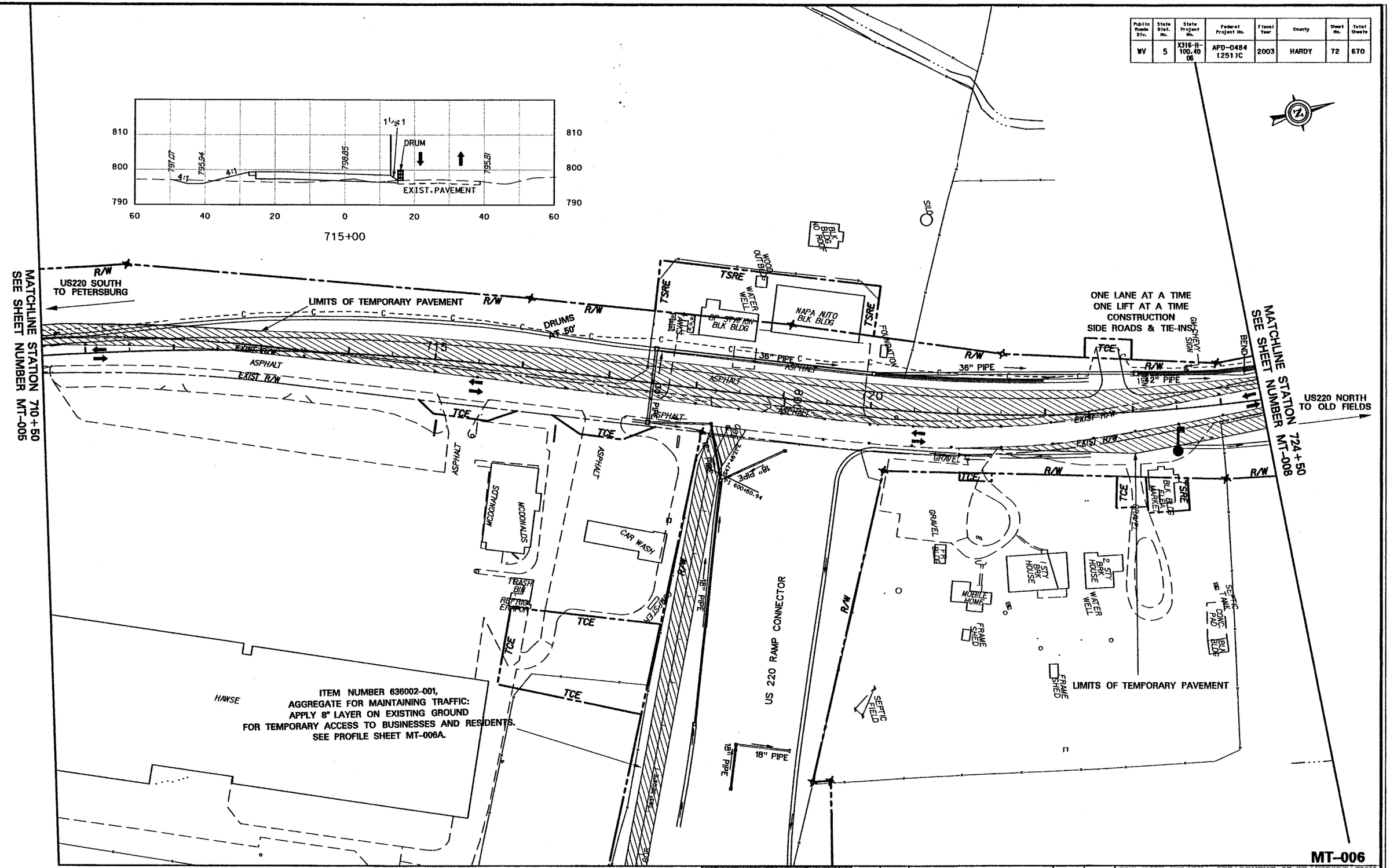
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	72	670



MT-006

MATCHLINE SHEET NUMBER MT-007

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 1

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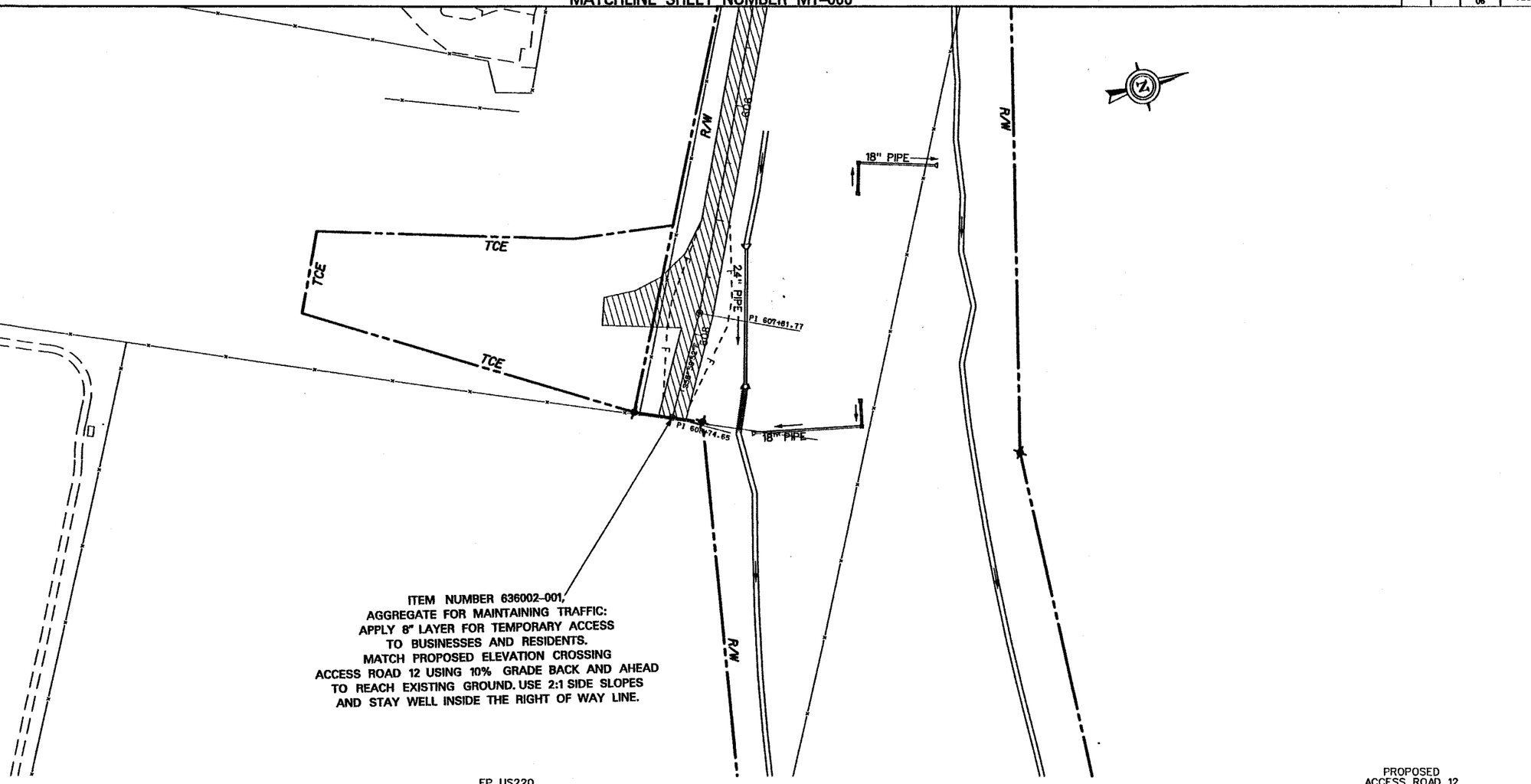
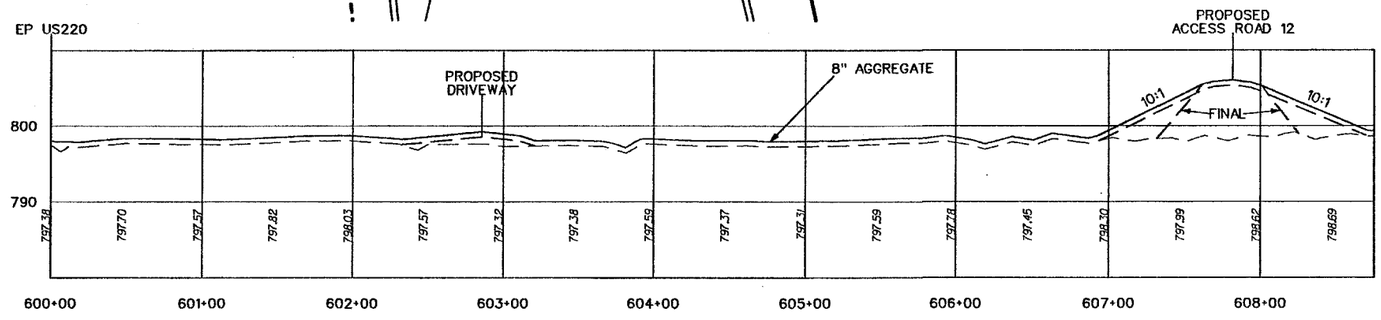
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X315-H-100.40 06	APD-0484 (251)C	2003	HARDY	72A	670

MATCHLINE SHEET NUMBER MT-006



ITEM NUMBER 636002-001,
AGGREGATE FOR MAINTAINING TRAFFIC:
APPLY 8" LAYER FOR TEMPORARY ACCESS
TO BUSINESSES AND RESIDENTS.
MATCH PROPOSED ELEVATION CROSSING
ACCESS ROAD 12 USING 10% GRADE BACK AND AHEAD
TO REACH EXISTING GROUND. USE 2:1 SIDE SLOPES
AND STAY WELL INSIDE THE RIGHT OF WAY LINE.



PROFILE OF TEMPORARY ENTRANCE ROAD

MT-007

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC STAGE 1, STEP 1

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	728	670

HISTORIC PROPERTY
A.P. WINSKEEP LAND

ALL TREES AND GROWTH TO REMAIN IN PLACE.

US 220 RAMP CONNECTOR

ACCESS TO THE LAGOON MUST BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES

ACCESS TO THE LAGOON MUST BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES

10' WIDE DETOUR FOR THE LAGOON ACCESS

PROPOSED SAN. MANHOLE (5) TIE TO EXIST. 8" PVC SAN.LINE

8" PVC PROPOSED SAN.SEWER LINE ANGLE"C"-79°44'

8" PVC PROPOSED SAN.SEWER LINE

2280

2285

2290

FUTURE MOOREFIELD BYPASS

US 220 RAMP CONNECTOR NORTH

SEWER MANHOLE (A) INV. ELEV. = 886.6746 8" PVC

PROP. SAN. DROP MANHOLE (7 AND 8)

8" PVC PROPOSED SAN.SEWER LINE ANGLE"C"-135.00° ANGLE"F"-45.00°

PROPOSED SAN. MANHOLE (9)

PROPOSED SAN. DROP MANHOLE (10) TIE TO EXIST. 8" PVC SAN.LINE

MFB-1

STA.2286+00.00, US 220 RAMP CONNECTOR NORTH
= STA.836+23.24 US 220 RAMP CONNECTOR

SEWER MANHOLE (B) INV. ELEV. = 890.4299 8" PVC

24" PIPE

ALLEGHENY POWER

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1

MT-007A

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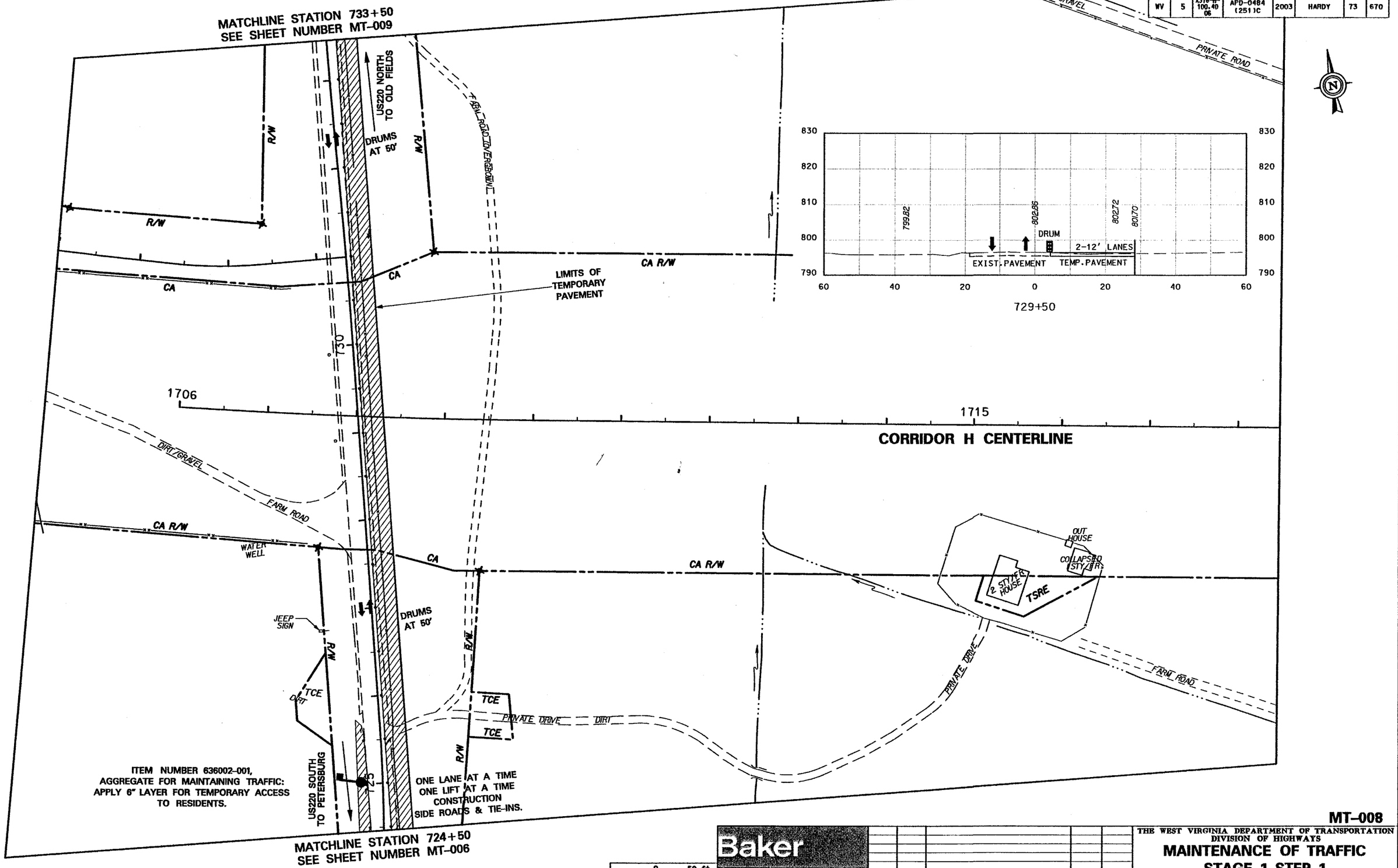
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	73	670



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-008

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 1

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	74	670

HISTORIC PROPERTY
MIDDLE SOUTH BRANCH VALLEY
RURAL HISTORIC DISTRICT

ONE LANE AT A TIME
ONE LIFT AT A TIME
CONSTRUCTION
SIDE ROADS & TIE-INS.

W20-7A
AS NEEDED

ROAD WORK 1000 FT
W21-4

ROAD WORK 1500 FT
W21-4

EXIST R/W

740

745

735

US220 SOUTH
TO PETERSBURG

EXIST R/W

END ROAD WORK
G20-3

flag pole

DRUMS
AT 50'

R/W

R/W

LIMITS OF TEMPORARY PAVEMENT

MATCHLINE STATION 733+50
SEE SHEET NUMBER MT-008
R

US220 NORTH
TO OLD FIELDS

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-009

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 1

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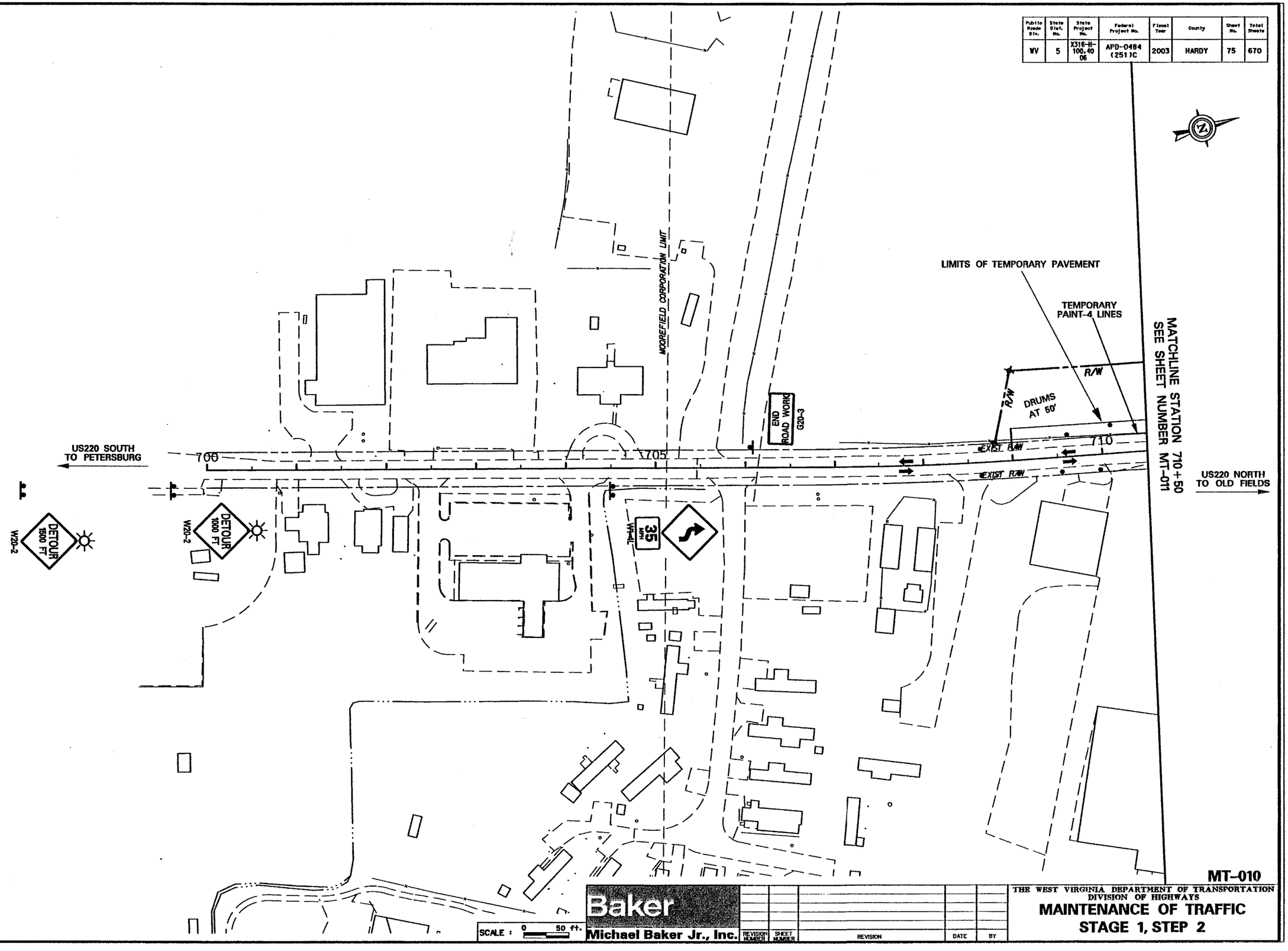
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	75	670



MT-010

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSFORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 2

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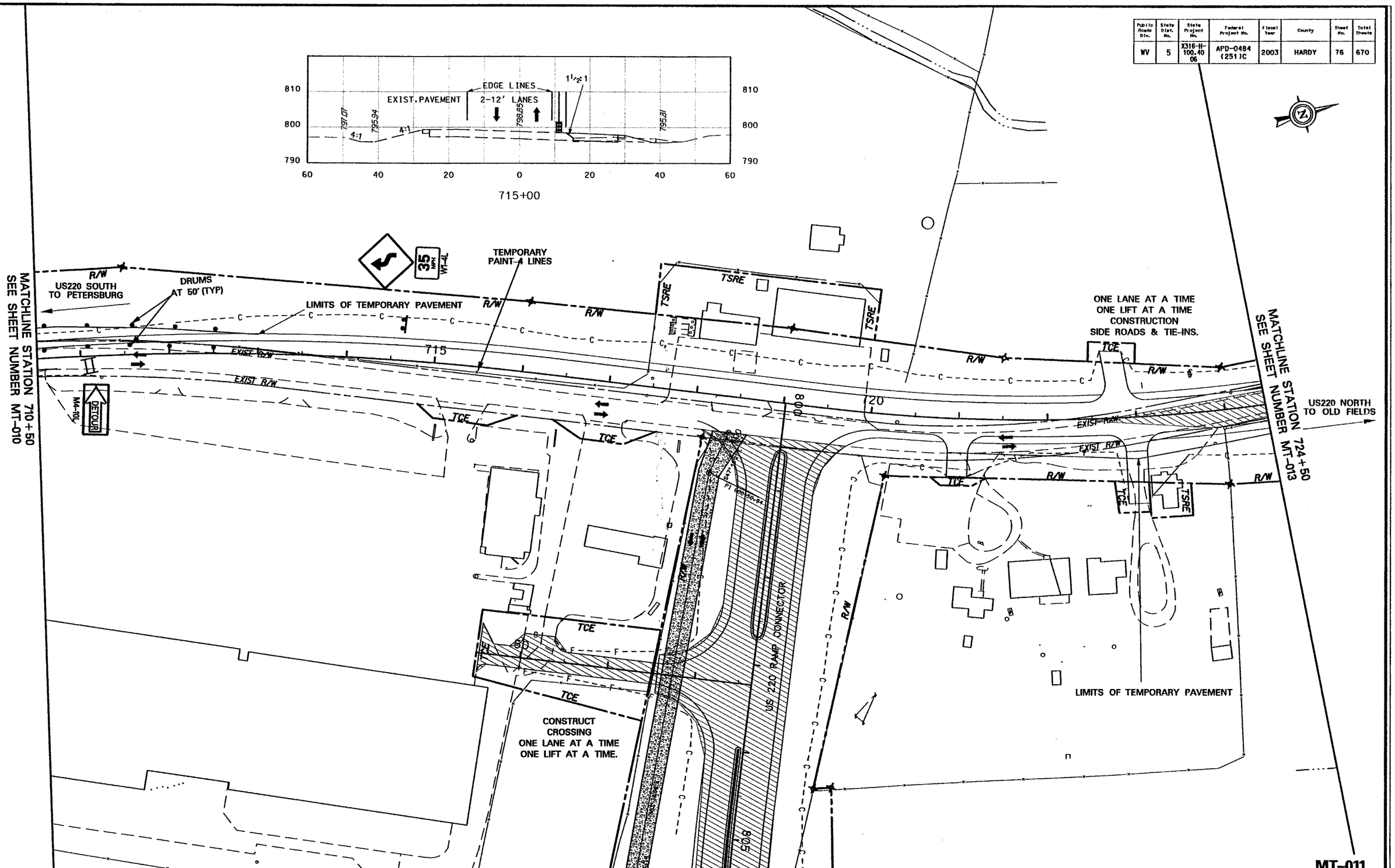
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	76	670



MT-011

MATCHLINE SHEET NUMBER MT-012

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 2

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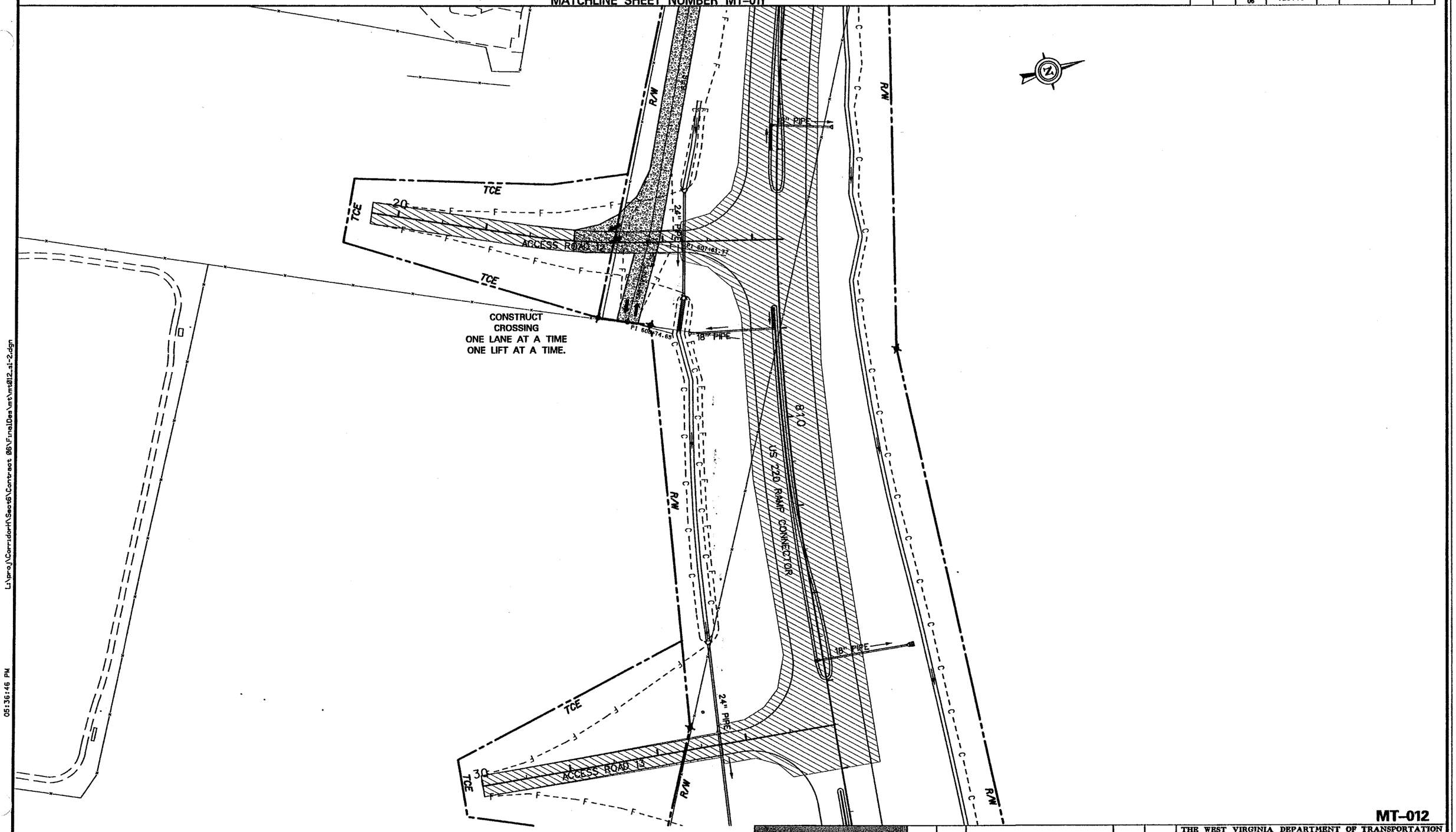
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	76A	670

MATCHLINE SHEET NUMBER MT-011



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-012

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 2

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	77	670

MATCHLINE STATION 733+50
SEE SHEET NUMBER MT-014

US220 NORTH TO OLD FIELDS

R/W

35 MPH

W1-4L

CA R/W

CA

LIMITS OF TEMPORARY PAVEMENT

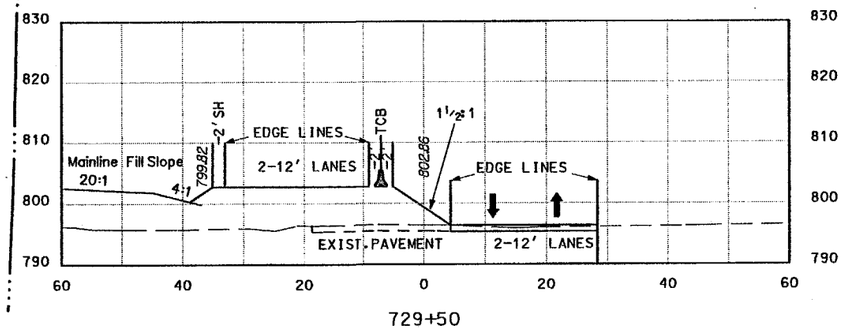
LIMITS OF TEMPORARY PAVEMENT

TEMPORARY PAINT-4 LINES

1706

1715

CORRIDOR H CENTERLINE



729+50

CA R/W

CA

CA R/W

TSRE

R/W

TCE

TCE

TCE

R/W

R/W

US220 SOUTH TO PETERSBURG

ONE LANE AT A TIME
ONE LIFT AT A TIME
CONSTRUCTION
SIDE ROADS & TIE-INS.

MATCHLINE STATION 724+50
SEE SHEET NUMBER MT-011

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-013

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 2

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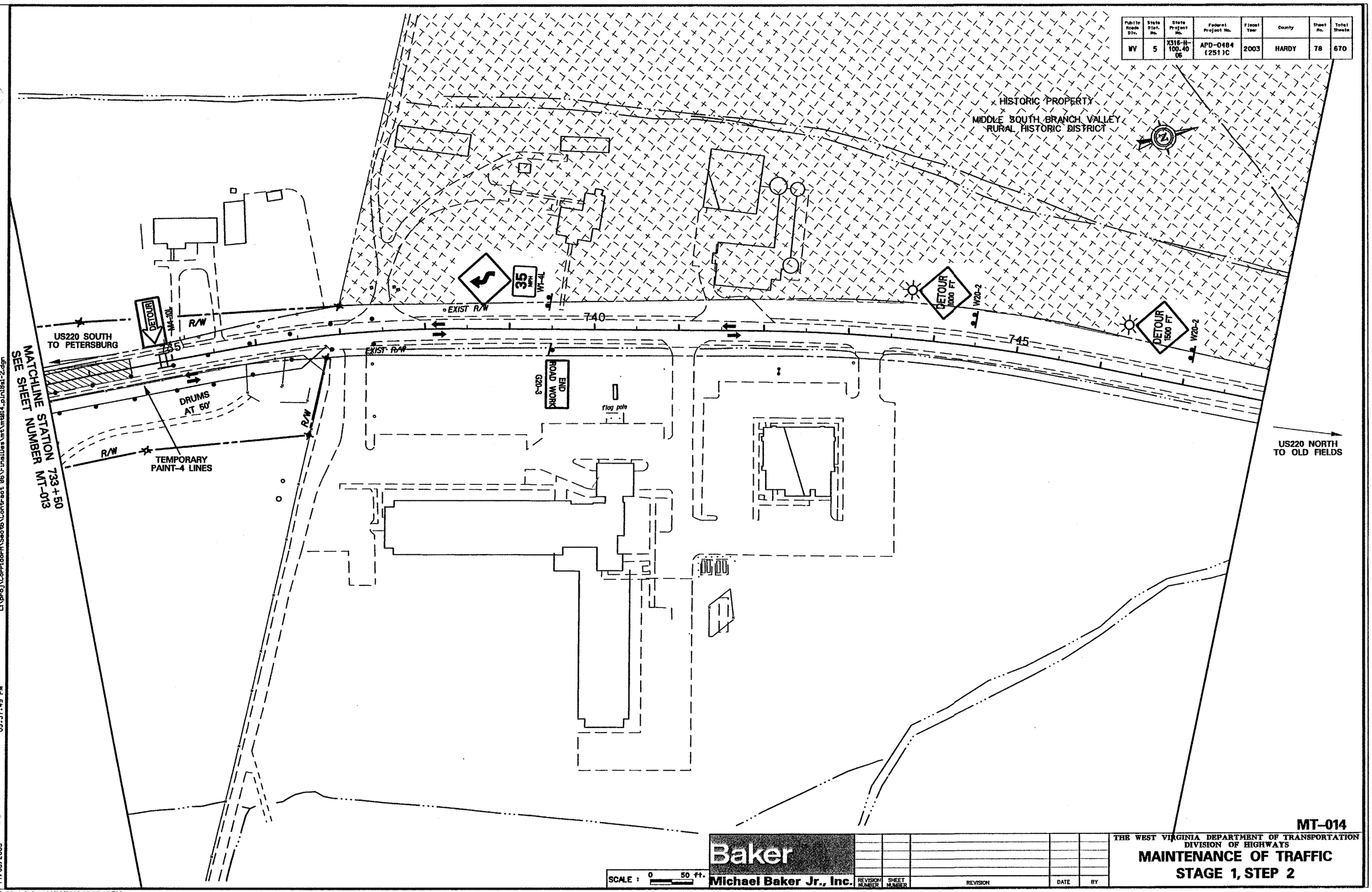
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	78	670



MT-014

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 2

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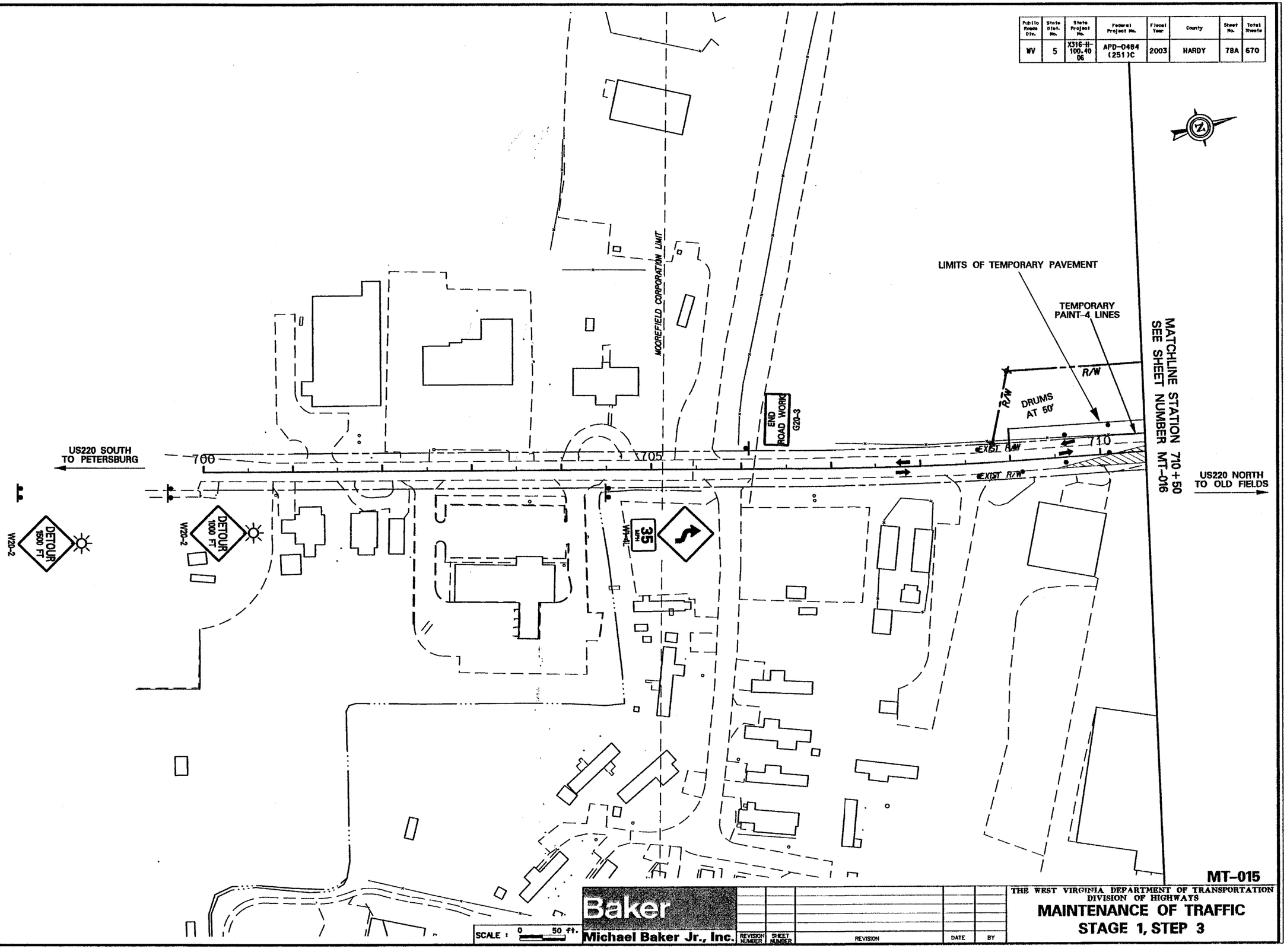
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	78A	670



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 3

MT-015

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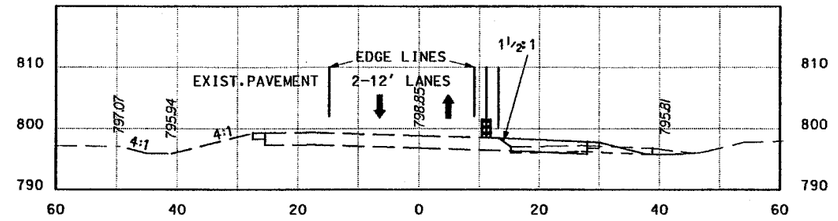
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	78B	670



MATCHLINE STATION 710+50
SEE SHEET NUMBER MT-015

R/W
US220 SOUTH
TO PETERSBURG

DRUMS AT 50'

LIMITS OF TEMPORARY PAVEMENT

TEMPORARY PAINT-4 LINES

35 MPH
MT-4L

DETOUR
M4-10L

EXIST R/W

TCE

TSRE

715

800

805

20

50

US 220 RAMP CONNECTOR

US220 NORTH
TO OLD FIELDS

LIMITS OF TEMPORARY PAVEMENT

NOTE:
THE CONTRACTOR SHALL NOT CLOSE THE FRONT DRIVEWAYS RIGHT OF STATIONS 715+35 AND 717+00 FOR MORE THAN 7 DAYS EACH (BUT NOT AT THE SAME TIME PERIOD) FOR THE INSTALLATION OF THE DRAINAGE PIPES AND THE CONSTRUCTION OF US220 ON THE RIGHT SIDE AT EACH DRIVEWAY.

MT-016

MATCHLINE SHEET NUMBER MT-017

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 3

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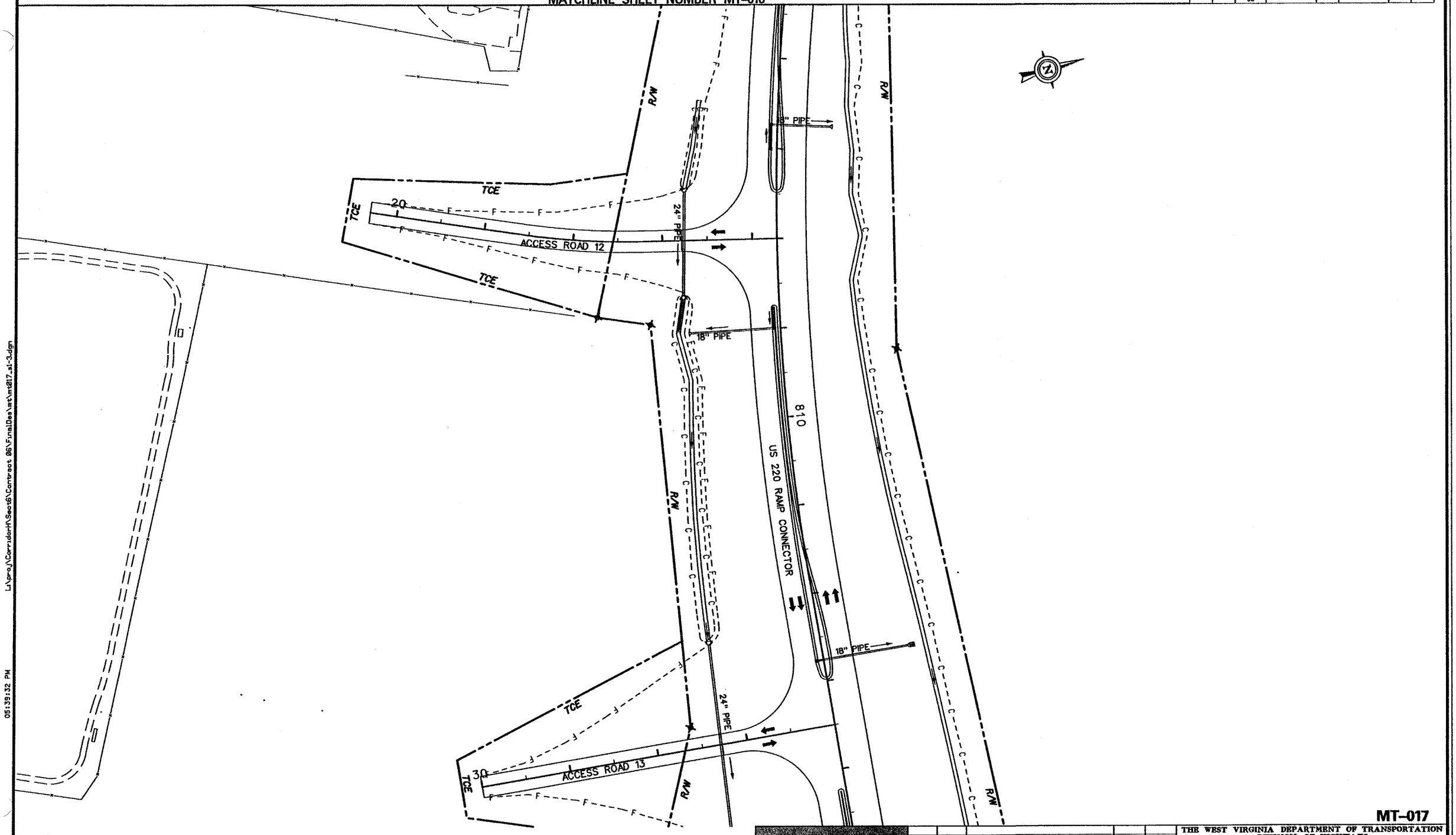
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	78C	670

MATCHLINE SHEET NUMBER MT-016



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-017

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 1, STEP 3

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	79	670

MOOREFIELD CORPORATION LIMIT

END ROAD WORK G20-3

REMOVE TEMPORARY PAVEMENT

R/W

3'

EXIST R/W

700

705

710

MATCHLINE STATION 710+50
SEE SHEET NUMBER MT-019

US220 SOUTH TO PETERSBURG

US220 NORTH TO OLD FIELDS

ROAD WORK 1500 FT W21-4

ROAD WORK 1000 FT W21-4

W20-7A AS NEEDED

SCALE : 0 50 ft.

MT-018

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 2

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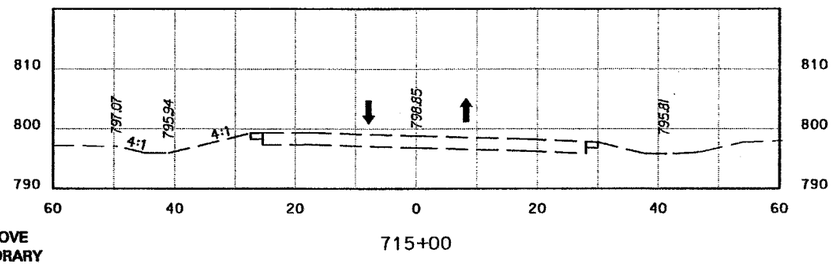
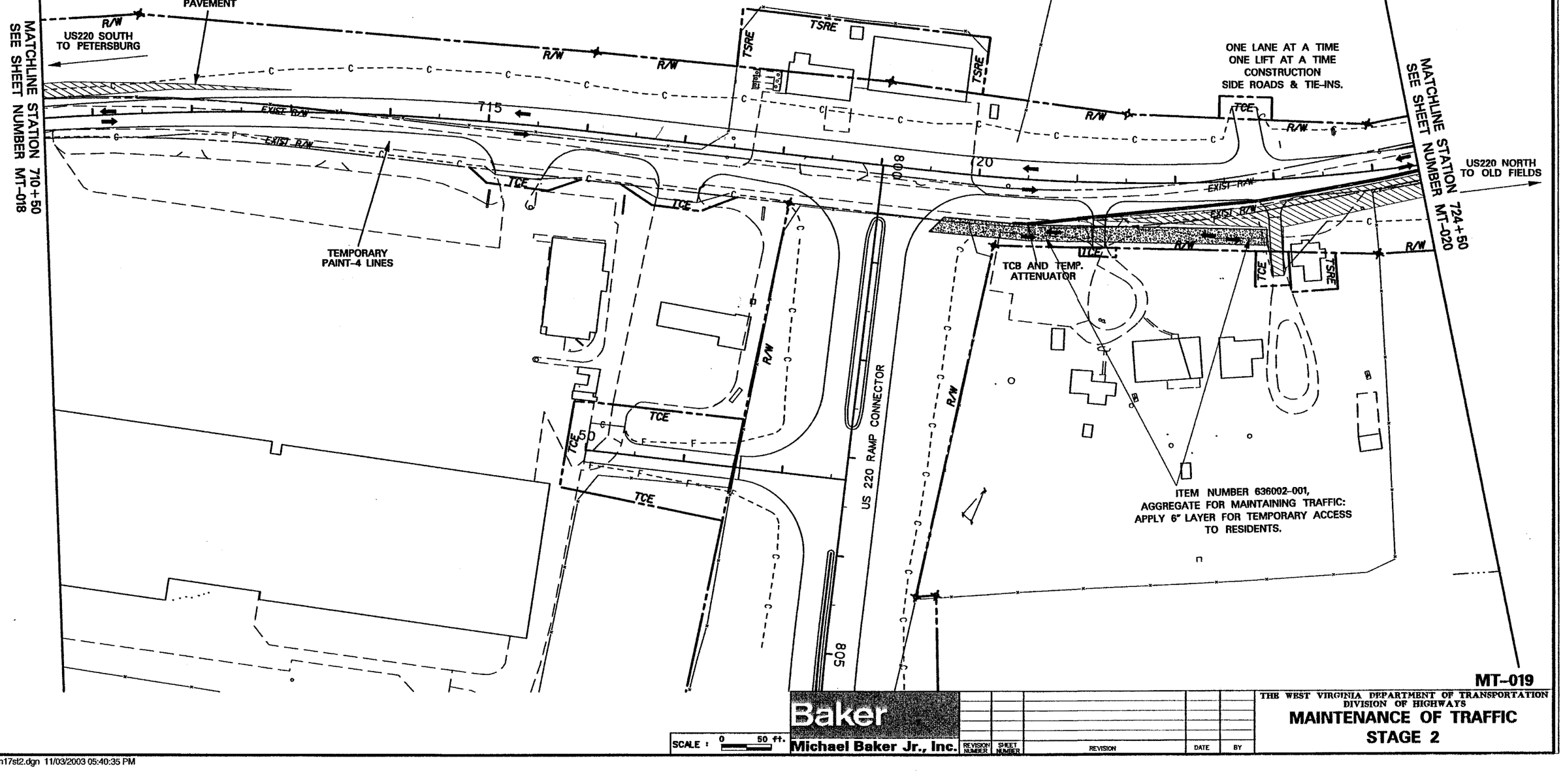
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	80	670





SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 2

MT-019

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	81	670

MATCHLINE STATION 733+50
SEE SHEET NUMBER MT-021

TCB AND TEMP. ATTENUATOR

US220 NORTH TO OLD FIELDS

R/W

R/W

R/W

CA

CA

CA R/W

TCB

LIMITS OF TEMPORARY PAVEMENT

1706

1715

TEMPORARY PAINT-4 LINES

CA R/W

CA

CA R/W

CORRIDOR H CENTERLINE

TSRE

R/W

R/W

TCE

TCE

TCE

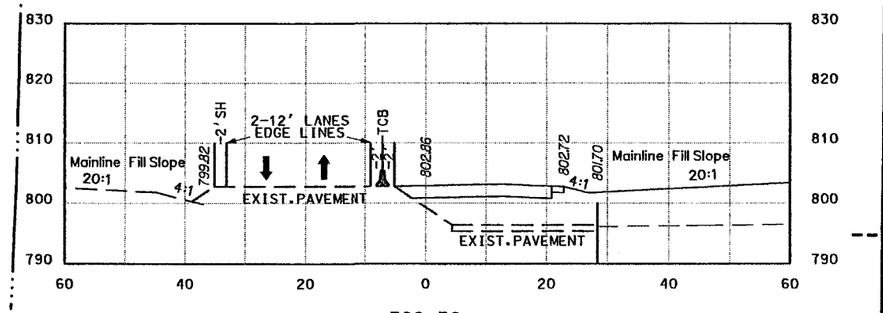
R/W

US220 SOUTH TO PETERSBURG

725

ONE LANE AT A TIME
ONE LIFT AT A TIME
CONSTRUCTION
SIDE ROADS & TIE-INS.

MATCHLINE STATION 724+50
SEE SHEET NUMBER MT-019



729+50

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-020

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 2

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316-H-100.40 06	APD-0484 (251)C	2003	HARDY	82	670

HISTORIC PROPERTY
MIDDLE SOUTH BRANCH VALLEY
RURAL HISTORIC DISTRICT

N

US220 SOUTH
TO PETERSBURG

ONE LANE AT A TIME
ONE LIFT AT A TIME
CONSTRUCTION
SIDE ROADS & TIE-INS.

W20-7A
AS NEEDED

ROAD WORK 1000 FT
W21-4

ROAD WORK 1500 FT
W21-4

EXIST R/W

740

745

735

R/W

EXIST R/W

END ROAD WORK
G20-3

flag pole

R/W

R/W

REMOVE
TEMPORARY
PAVEMENT

MATCHLINE STATION 733+50
SEE SHEET NUMBER MT-020

US220 NORTH
TO OLD FIELDS

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-021

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
STAGE 2

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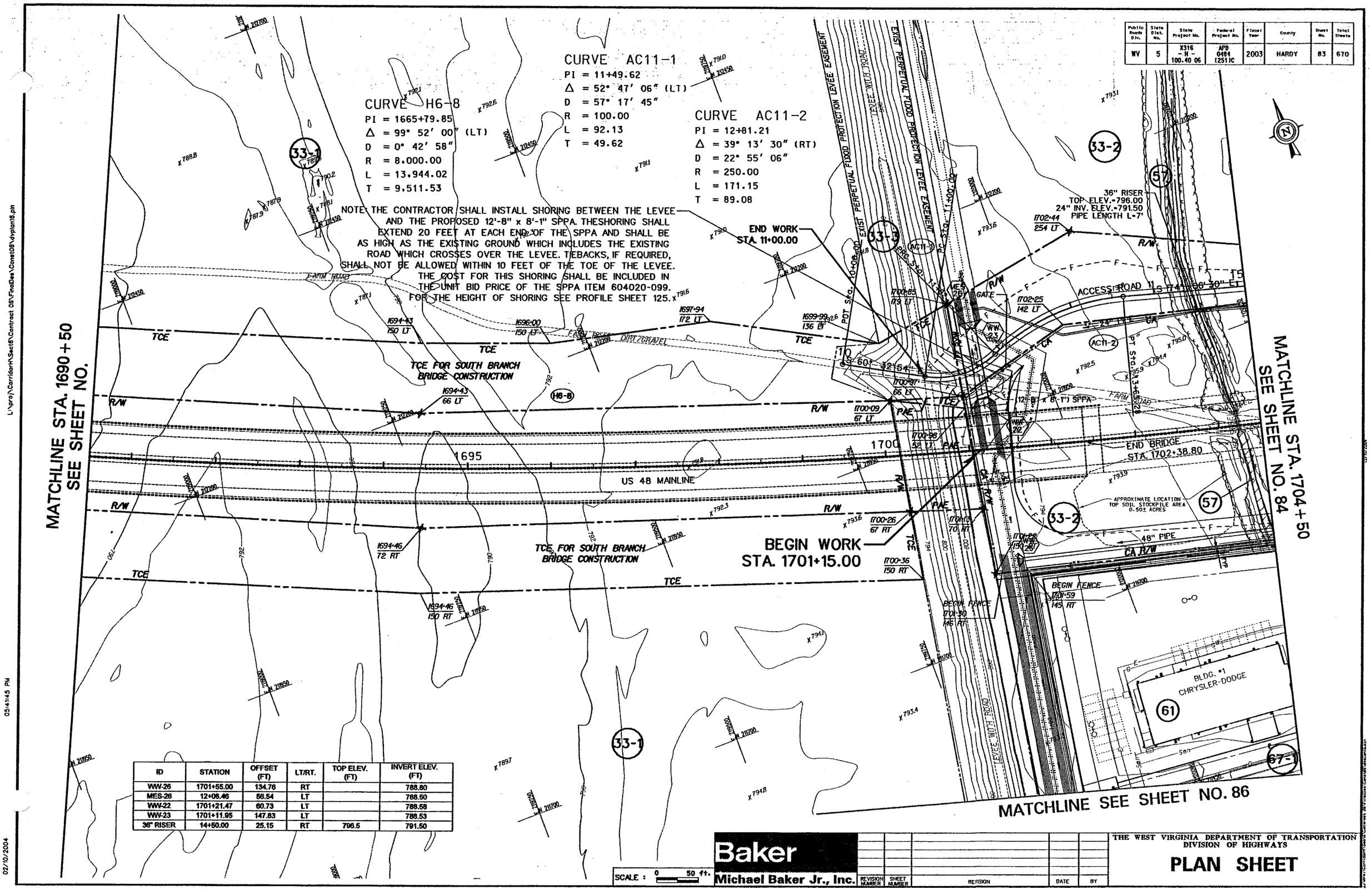
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 -H- 100.40 06	APD 0484 (251)C	2003	HARDY	83	670



ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
WW-26	1701+55.00	134.76	RT		788.80
MES-26	12+08.46	56.54	LT		788.50
WW-22	1701+21.47	60.73	LT		788.58
WW-23	1701+11.95	147.83	LT		788.53
36" RISER	14+50.00	25.15	RT	796.5	791.50

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 -H- 100.40 06	APD 0184 (251)C	2003	HARDY	84	670

MATCHLINE STA. 733+50
SEE SHEET NO. 87

MATCHLINE STA. 1704+50
SEE SHEET NO. 83

MATCHLINE STA. 1718+50
SEE SHEET NO. 89

MATCHLINE STA. 724+50
SEE SHEET NO. 86

CURVE AC11-3
PI = 16+85.23
Δ = 11° 25' 41" (LT)
D = 11° 27' 33"
R = 500.00
L = 99.73
T = 50.03

CURVE H6-8
PI = 1665+79.85
Δ = 99° 52' 00" (LT)
D = 0° 42' 58"
R = 8,000.00
L = 13,944.02
T = 9,511.53

CURVE 220A-3
PI = 722+61.59
Δ = 11° 47' 16" (LT)
D = 2° 51' 53"
R = 2,000.00
L = 620.91
T = 312.97

CURVE 220A-4
PI = 730+98.46
Δ = 1° 36' 42" (LT)
D = 0° 49' 07"
R = 7,000.00
L = 196.91
T = 98.46

CURVE 220A-5
PI = 733+18.99
Δ = 1° 59' 54" (RT)
D = 0° 49' 07"
R = 7,000.00
L = 244.14
T = 122.08

STA. 16+51.28 ACCESS ROAD 11
= STA. 731+03.78 US 220

STA. 1708+01.47 US 48 MAINLINE
= STA. 729+18.82 US 220

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
SES-3	725+58.00	52.00	RT		796.17
SES-4	725+92.55	52.00	RT		795.96
G-69	727+00.00	46.71	LT	797.23	795.24
G-70	727+50.00	50.88	LT	796.65	794.65
MH-1	727+89.40	44.48	LT	798.00	794.22
G-100	730+50.00	52.24	LT	795.40	792.88
SES-5	732+00.00	53.12	LT		793.83

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	85	670

CURVE 220A-1
PI = 708+07.00
Δ = 3° 44′ 27″ (LT)
D = 1° 54′ 35″
R = 3,000.00
L = 195.87
T = 97.97

CURVE 220A-2
PI = 713+26.41
Δ = 10° 42′ 12″ (RT)
D = 1° 54′ 35″
R = 3,000.00
L = 560.42
T = 281.03

BEGIN WORK STA. 709+50.00

MATCH EXISTING PAVEMENT STA. 709+50.00

MATCHLINE STA. 716+00 SEE SHEET NO. 86

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
G-62	711+00.00	18.68	RT	796.75	794.75
G-63	714+50.00	41.18	RT	795.87	793.20

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 -H- 100.40 06	APD 0484 (251)C	2003	HARDY	86	670

MATCHLINE SEE SHEET NO. 83

MATCHLINE STA. 724+50
SEE SHEET NO. 84

MATCHLINE STA. 804+50
SEE SHEET NO. 91

MATCHLINE STA. 716+00
SEE SHEET NO. 85

CURVE 220A-3
PI = 722+61.59
Δ = 17° 47' 16" (LT)
D = 2° 51' 53"
R = 2,000.00
L = 620.91
T = 312.97

CURVE 220A-2
PI = 713+26.41
Δ = 10° 42' 12" (RT)
D = 1° 54' 35"
R = 3,000.00
L = 560.42
T = 281.03

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
G-64	716+50.00	43.39	RT	795.28	792.50
G-65	717+50.00	45.37	RT	796.19	792.30
G-66	717+50.00	39.67	LT	795.4	791.90
G-67	720+00.00	39.67	LT	796.17	791.55
G-68	723+06.00	44.17	LT	797.10	791.00
B-21	718+21.56	38.57	RT	797.30	792.70
G-101	801+00.00	62.33	RT	795.05	793.05
B-20	800+59.25	7.30	LT	798.22	794.22
SES-1	721+06.15	47.00	RT		795.84
SES-2	721+37.57	47.00	RT		795.97
B-1	804+06.29	7.00	RT	798.20	795.30
B-2	804+00.00	7.00	RT	798.20	795.20
MES-12	804+00.00	51.96	LT		794.35
G105	52+07.40	59.00	RT	796.3	794.30

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	87	670

HISTORIC PROPERTY
MIDDLE SOUTH BRANCH VALLEY RURAL HISTORIC DISTRICT

MATCHLINE STA. 733+50
SEE SHEET NO. 84

MATCHLINE STA. 748+00
SEE SHEET NO. 88

END WORK
STA. 734+50.00

MATCH EXISTING PAVEMENT
STA. 734+50.00

US 220

CURVE 220A-5
PI = 733+18.99
Δ = 1° 59' 54" (RT)
D = 0° 49' 07"
R = 7,000.00
L = 244.14
T = 122.08

CURVE 220A-6
PI = 737+08.93
Δ = 11° 18' 27" (RT)
D = 3° 57' 05"
R = 1,450.00
L = 286.16
T = 143.55

CURVE 220A-7
PI = 743+86.01
Δ = 11° 03' 45" (RT)
D = 2° 51' 53"
R = 2,000.00
L = 386.15
T = 193.68

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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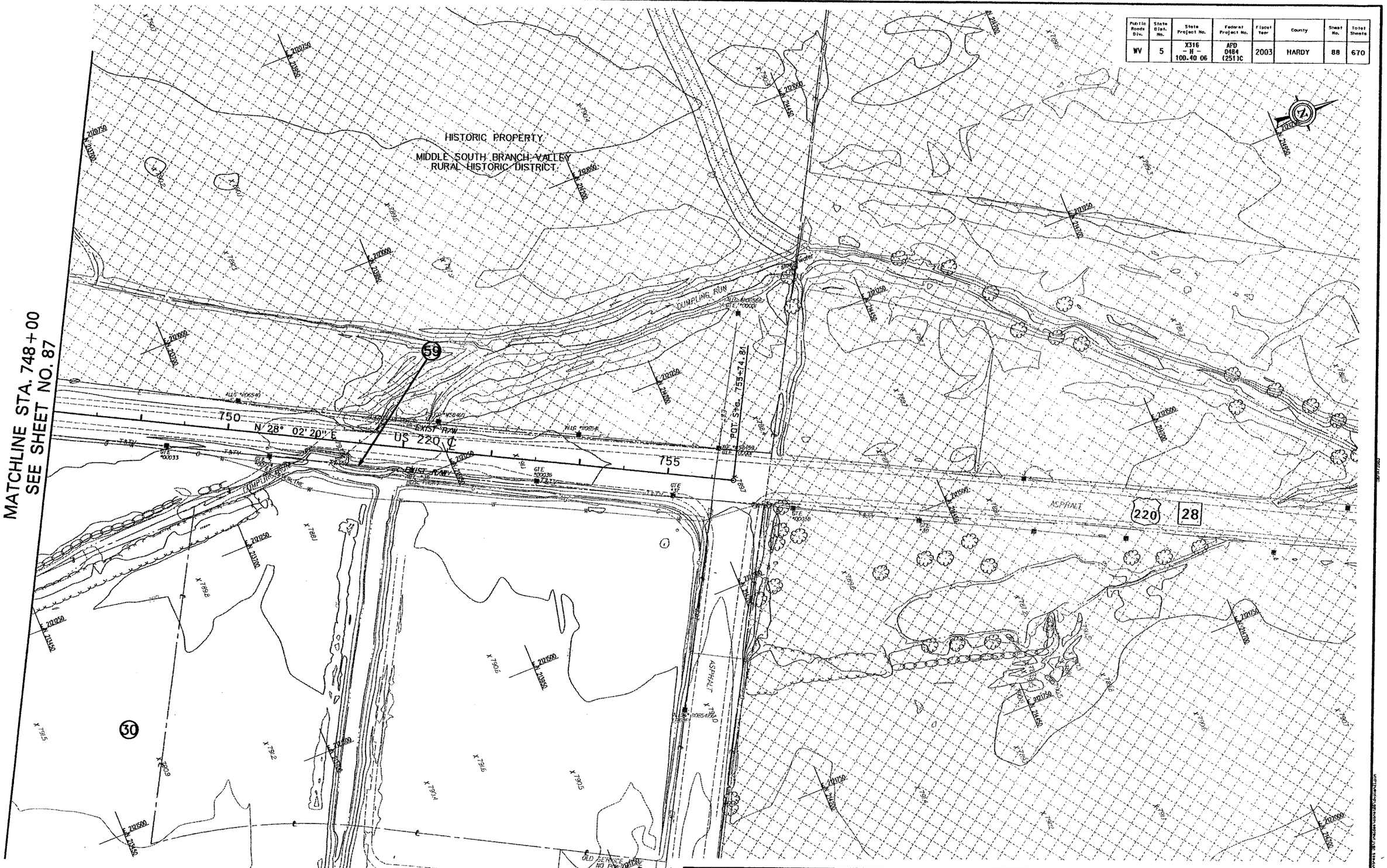
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	88	670



Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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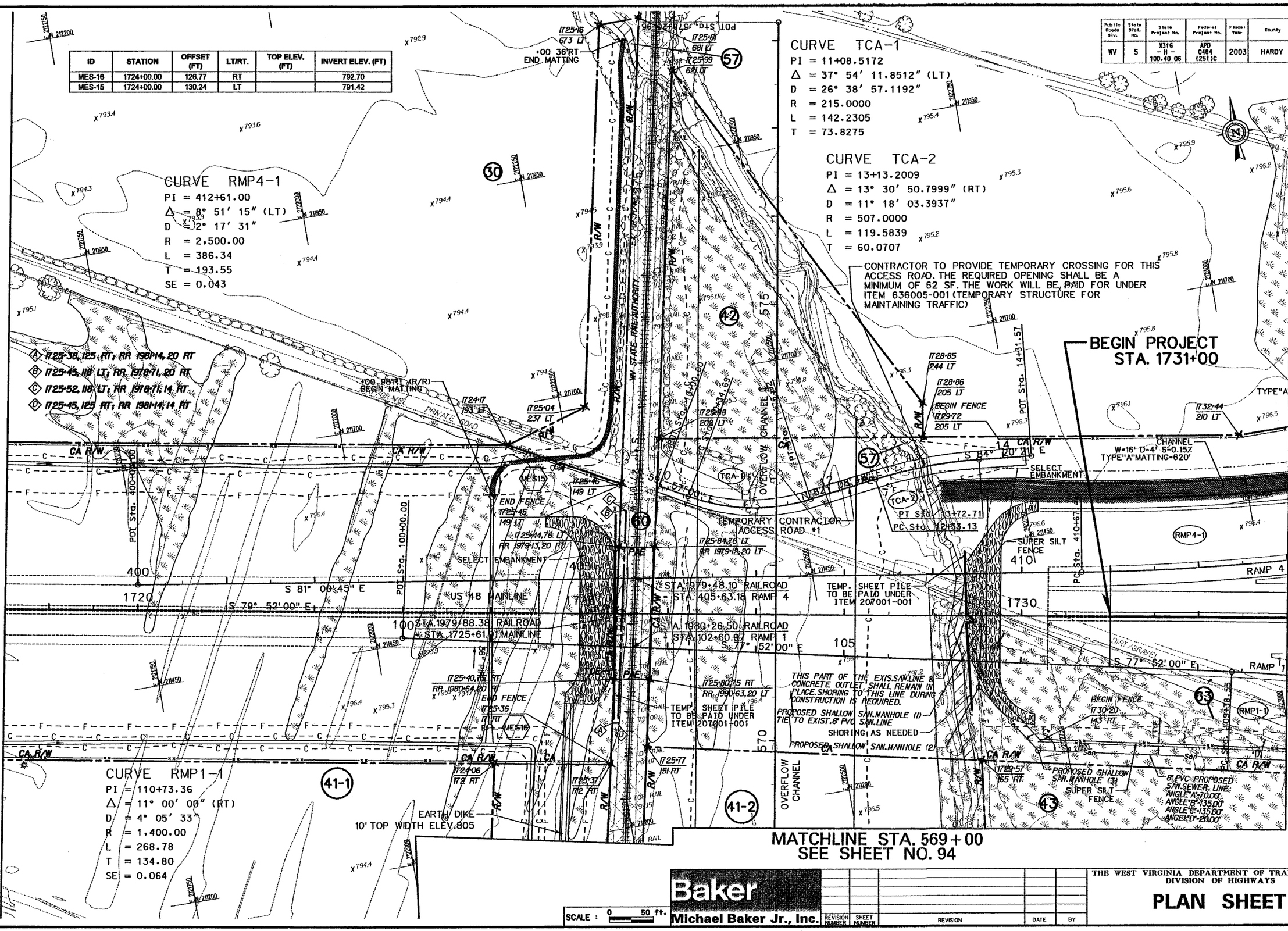
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	89	670

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
MES-16	1724+00.00	126.77	RT		792.70
MES-15	1724+00.00	130.24	LT		791.42



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	90	670

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
WW-21	1736+21.55	238.77	LT		796.00
G-15	1740+50.00	58.00	RT	820.65	818.15
G-18	1740+50.00	58.00	LT	820.65	815.54
G-86	120+00.00	50.60	RT	842.55	839.05
G-12	1744+50.00	278.66	RT	841.52	838.52
G-13	1744+50.00	58.00	RT	822.07	819.07
G-14	1744+50.00	58.00	LT	822.07	814.75
B-9	2294+00.00	42.00	LT	845.97	839.58
B-10	2294+00.00	42.00	RT	845.97	842.48
B-11	2294+10.00	42.00	LT	846.09	839.59
B-12	2294+10.00	42.00	RT	846.09	839.59
MES-32	119+08.30	41.70	LT		837.00

CURVE RMP4-1
PI = 412+61.00
Δ = 8° 51' 15" (LT)
D = 2° 17' 31"
R = 2,500.00
L = 386.34
T = 193.55
SE = 0.043

CURVE RMP4-2
PI = 420+99.77
Δ = 10° 00' 00" (RT)
D = 1° 54' 35"
R = 3,000.00
L = 523.60
T = 262.47
SE = RC

CURVE RMP3-1
PI = 301+04.87
Δ = 4° 00' 15" (RT)
D = 1° 54' 35"
R = 3,000.00
L = 209.66
T = 104.87
SE = RC
NOTE: CONTOURS WITHIN THIS SHAPE WERE GENERATED FROM SURVEY DONE BY E.L. ROBINSON

CURVE RMP2-1
PI = 201+82.30
Δ = 13° 00' 00" (LT)
D = 3° 34' 52"
R = 1,600.00
L = 363.03
T = 182.30
SE = 0.029

CURVE RMP1-1
PI = 110+73.36
Δ = 11° 00' 00" (RT)
D = 4° 05' 33"
R = 1,400.00
L = 268.78
T = 136.80
SE = 0.064

CURVE RMP1-2
PI = 118+88.44
Δ = 13° 00' 00" (LT)
D = 3° 34' 52"
R = 1,600.00
L = 363.03
T = 182.30
SE = 0.029

STA. 2298+12.14 US 220 RAMP CONNECTOR NORTH
- STA. 300+00.00 RAMP 3
- STA. 423+60.90 RAMP 4

STA. 2296+12.14 US 220 RAMP CONNECTOR NORTH
- STA. 1743+50.00 US 48 MAINLINE

STA. 2293+62.14 US 220 RAMP CONNECTOR NORTH
- STA. 120+69.17 RAMP 1
- STA. 200+00.00 RAMP 2

MATCHLINE STA. 1733+00 SEE SHEET NO. 89

MATCHLINE STA. 1748+00 SEE SHEET NO. 97

MATCHLINE STA. 2292+50 SEE SHEET NO. 94

MATCHLINE STA. 2292+50 SEE SHEET NO. 95

NOTE:
WORK THIS SHEET WITH EROSION PLAN SHEET NO. 152,
PIPE PROFILE SHEET NO. 132 AND SPECIAL DETAILS SHEET NO. 54A.

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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12/04/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	91	670

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
B-3	804+50.76	7.00	RT	798.43	796.43
B-4	806+73.47	7.01	RT	802.72	798.60
B-5	807+00.00	7.00	RT	803.60	799.96
MES-13	806+73.47	59.26	LT		796.90
B-13	809+00.00	7.01	RT	811.46	807.13
B-14	808+77.05	7.01	RT	810.53	807.53
MES-40	809+00.00	79.02	RT		798.28
MES-29	23+25.42	54.50	LT		796.47
MES-30	23+22.51	61.52	RT		795.95
MES-8	32+65.09	110.43	RT		794.75
MES-9	32+76.67	112.99	LT		795.76
B-6	812+76.00	7.01	RT	824.41	819.41
MES-14	812+76.00	95.08	LT		798.60
MES-17	816+00.00	131.51	RT		794.68
MES-18	816+00.00	120.55	LT		793.60
B-7	816+65.31	43.50	RT	831.48	827.98
B-8	816+72.91	43.30	LT	831.52	828.02
MES-31	816+62.64	125.41	LT		795.20

CURVE RMPRD-1
PI = 808+36.17
Δ = 16° 38' 12" (LT)
D = 2° 17' 31"
R = 2,500.00
L = 725.91
T = 365.53
SE = 0.037

MATCHLINE STA. 804+50
SEE SHEET NO. 86

MATCHLINE STA. 1988+00
SEE SHEET NO. 94

MATCHLINE STA. 818+50
SEE SHEET NO. 93

MATCHLINE STA. 1994+50
SEE SHEET NO. 92

STA.24+27.94 ACCESS ROAD 12
- STA.808+00.00 US 220 RAMP CONNECTOR

STA.34+00.00 ACCESS ROAD 12
- STA.813+50.00 US 220 RAMP CONNECTOR

STA. 1991+19.45 RAILROAD
- STA. 817+70.07 US 220 RAMP CONNECTOR

US 220 RAMP CONNECTOR

ACCESS ROAD 12

ACCESS ROAD 13

RMPRD-1

50' MATTING

THRIE BEAM GR-11 CONNECTION

BITUMINOUS CURBING

BEGIN GUARDRAIL

VER. BEND

D.R.G.

S.T.E.T.

10' TOP WIDTH EARTH DIKE

BEGIN GUARDRAIL WITH F.E.T.

END GUARDRAIL WITH BUFFER END 24" PIPE

BEGIN BRIDGE STA. 816+91.32

BEGIN GUARDRAIL WITH BUFFER END AND 4' FLARE

END GUARDRAIL

TEMP. SHEET PILE TO BE PAID UNDER ITEM 207001-001

50' FIBER MATTING

(E) 817+38, 124 RT; RR 1992+46, 20 RT
(F) 817+61, 118 LT; RR 1990+03, 20 RT
(G) 817+67, 117 LT; RR 1990+03, 14 RT
(H) 817+44, 125 RT; RR 1992+46, 14 RT

CONTRACTOR SHALL TIE ACCESS ROAD 12 TO THE EXISTING PAVEMENT IN THIS AREA. THE COST TO BE INCLUDED IN THE PAVEMENT QUANTITY FOR ACCESS ROAD 12

END WORK
STA. 19+70.00

END WORK
STA. 30+00.00

TCE

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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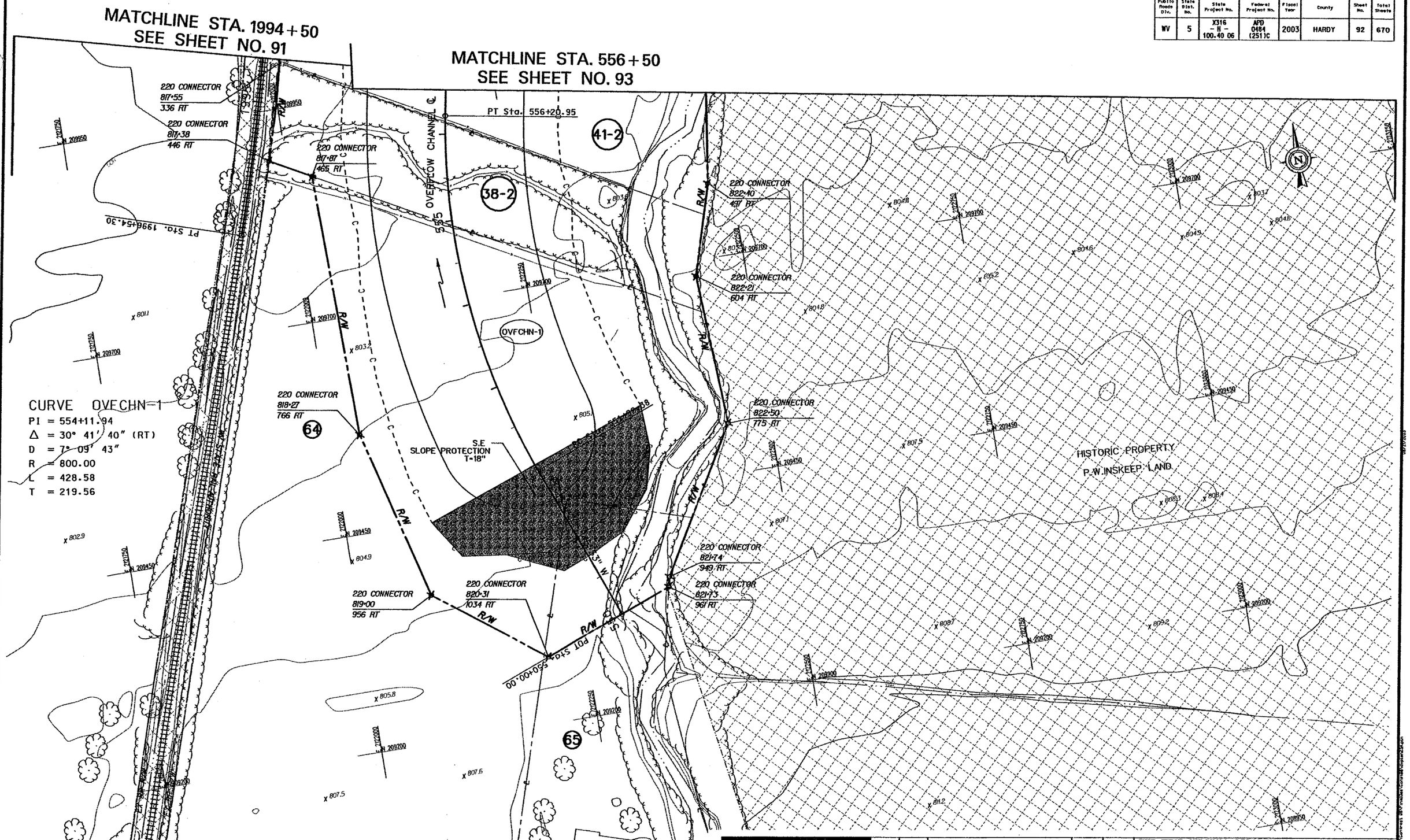
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	92	670



Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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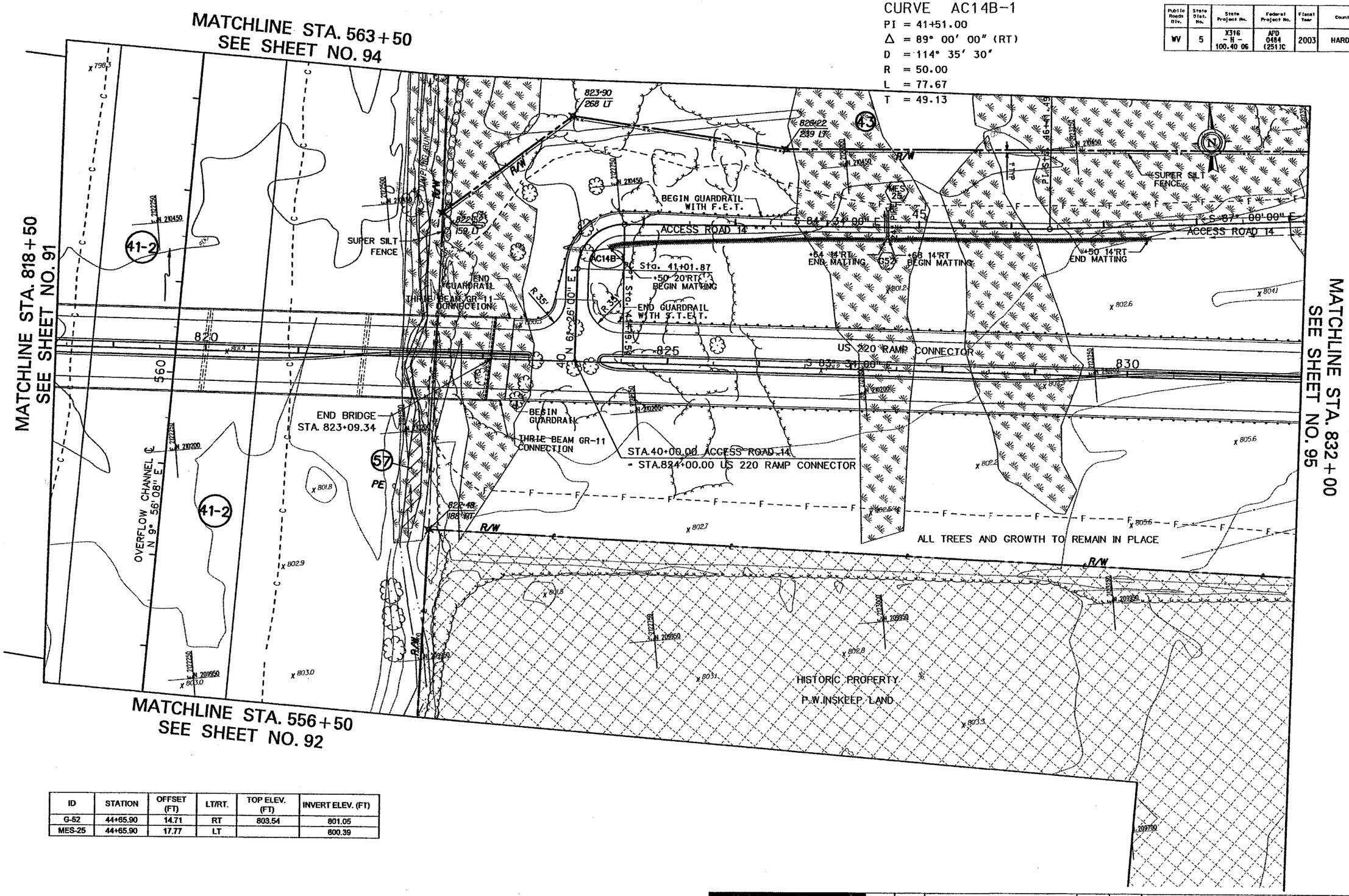
08/21/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	93	670

CURVE AC14B-1
PI = 41+51.00
Δ = 89° 00′ 00″ (RT)
D = 114° 35′ 30″
R = 50.00
L = 77.67
T = 49.13



ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
G-52	44+65.90	14.71	RT	803.54	801.05
MES-25	44+65.90	17.77	LT		800.39

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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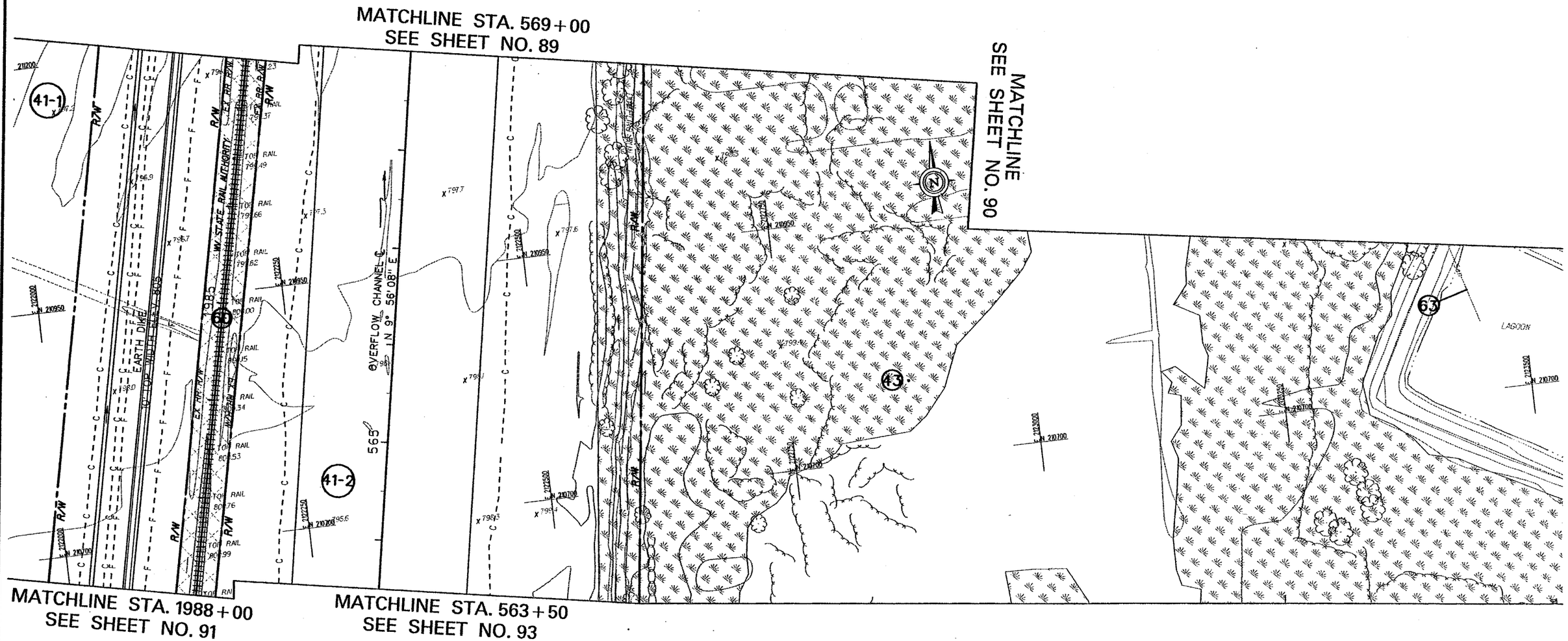
10:42:23 AM
09/04/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	94	670



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

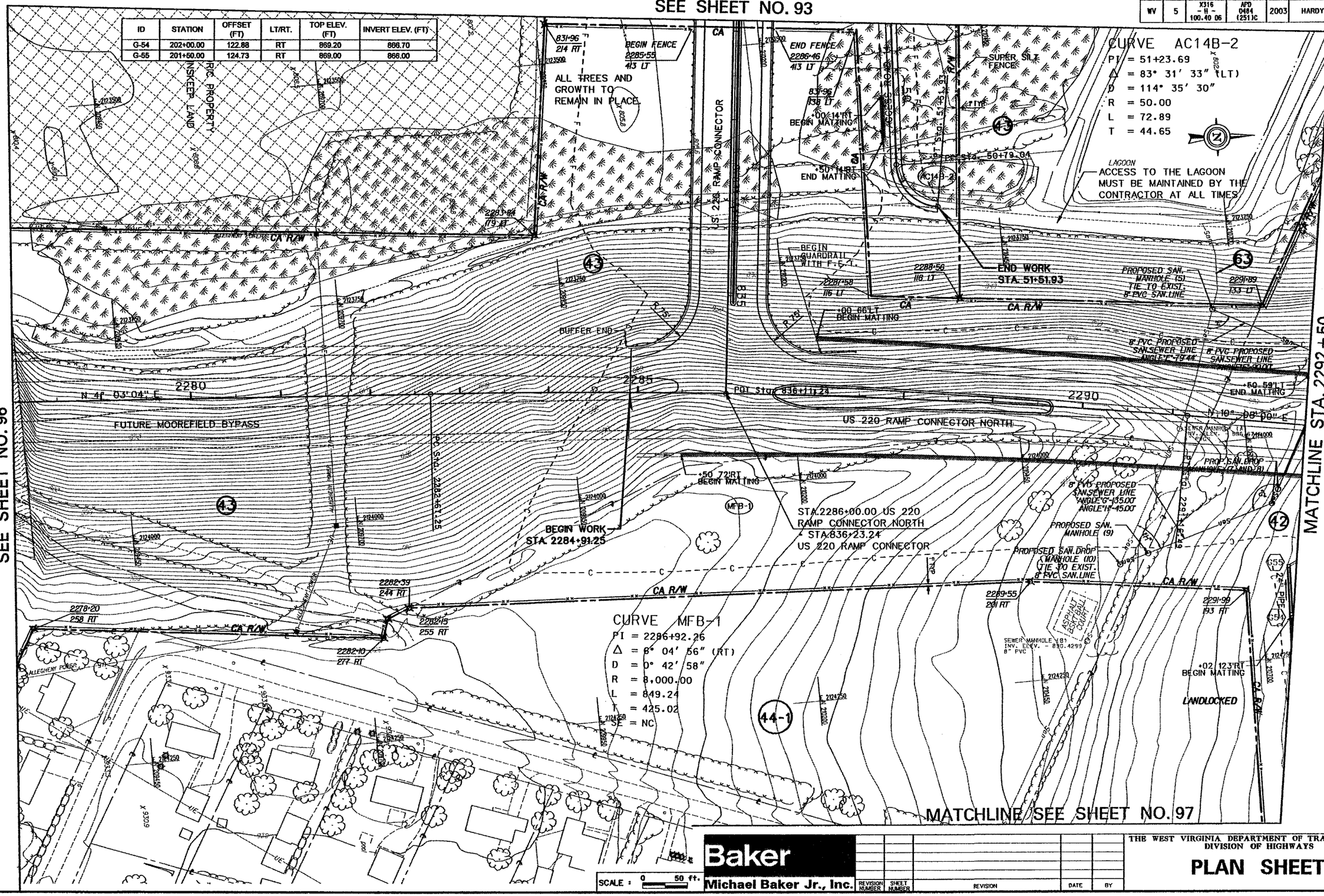
PLAN SHEET

08/14/2003 09:08:26 AM

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	95	670

MATCHLINE STA. 832+00
SEE SHEET NO. 93

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
G-54	202+00.00	122.88	RT	869.20	866.70
G-55	201+50.00	124.73	RT	869.00	866.00



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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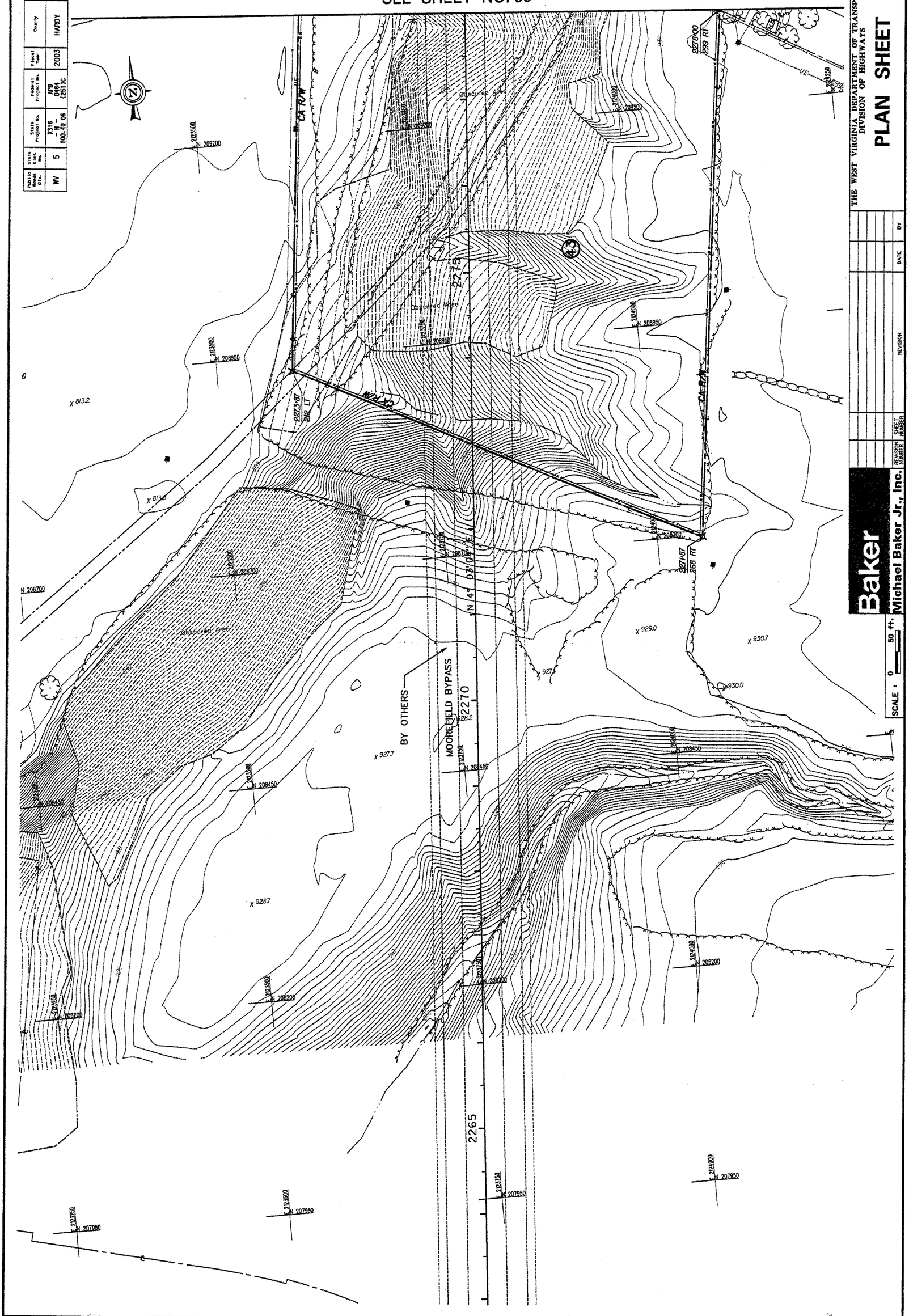
10/07/2003

MATCHLINE STA. 2278+00
SEE SHEET NO. 95



Public Roads Dir.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 -H- 100.40 06	APD 0484 (251)C	2003	HARDY	96	670

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

Baker
Michael Baker Jr., Inc.

SCALE : 0 50 ft.

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09/11/2003

ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
G-6	312+00.00	28.00	LT	832.22	830.22
G-8	311+38.88	28.00	LT	832.02	829.02
G-19	310+60.00	28.00	LT	832.22	828.25
G-22	310+00.00	79.68	RT	826.68	823.71
G-9	209+40.63	27.33	RT	824.78	821.28
G11	208+50.00	42.34	LT	825.66	820.00
G20	205+79.56	92.94	LT	822.46	814.46
G-71	212+00.00	28.00	RT	827.76	824.37
G-72	210+07.83	27.33	RT	824.98	821.98
G-73	208+73.43	27.33	RT	824.98	821.48
G-10	207+50.00	28.00	RT	826.48	823.98
WW-20	1752+15.01	363.33	RT		866.00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 -H- 100.40 06	APD 0484 (251)C	2003	HARDY	97	670

MATCHLINE STA. 1748+00 SEE SHEET NO. 90

MATCHLINE STA. 1763+00 SEE SHEET NO. 98

MATCHLINE SEE SHEET NO. 95

CA R/W

US 48 MAINLINE

RAMP 1

RAMP 2

RAMP 3

S 75° 51' 45" E

S 79° 52' 00" E

S 81° 00' 45" E

N 87° 08' 00" E

+58 28'LT END MATTING

+02 28'LT BEGIN MATTING

+50 58'LT END MATTING

+45 58'LT BEGIN MATTING

+94 50'LT END MATTING

+50 58'RT END MATTING

+02 70'RT BEGIN MATTING

+78 57'RT BEGIN MATTING

+50 44'RT END MATTING

36" RIPE SADDLE L-272' CONNECTION

SADDLE CONN.

36" PIPE

+97 52'LT END MATTING

24" PIPE

18" PIPE

+43 28'RT BEGIN MATTING

+38 28'RT END MATTING

+00 28'RT BEGIN MATTING

+50 28'RT END MATTING

STA.=1748+76, 178.18'RT VER.BEND

+00 29'RT BEGIN TYPE A MATTING

PT Sta. 212+56.36

+50 139'RT END MATTING

STA.1750+72, 253.54'RT VER.BEND

72" PIPE

+00 323'RT BEGIN TYPE A MATTING

+50 312'RT END TYPE A BEGIN MATTING

Q50, BACK WATER ELEVATION 877.20

D.R.G. SEE PIPE PROFILE FOR DETAILS

1755+84 253 LT

1759+91 237 RT

1755+15 350 RT

1755+05 524 RT

1749+50 348 RT

1750+20 543 RT

LANDLOCKED

CURVE RMP2-2

PI = 210+50.21

Δ = 11° 51' 15" (RT)

D = 2° 51' 53"

R = 2.000.00

L = 413.79

T = 207.64

SE = 0.051

SCALE : 0 50 ft.

Baker

Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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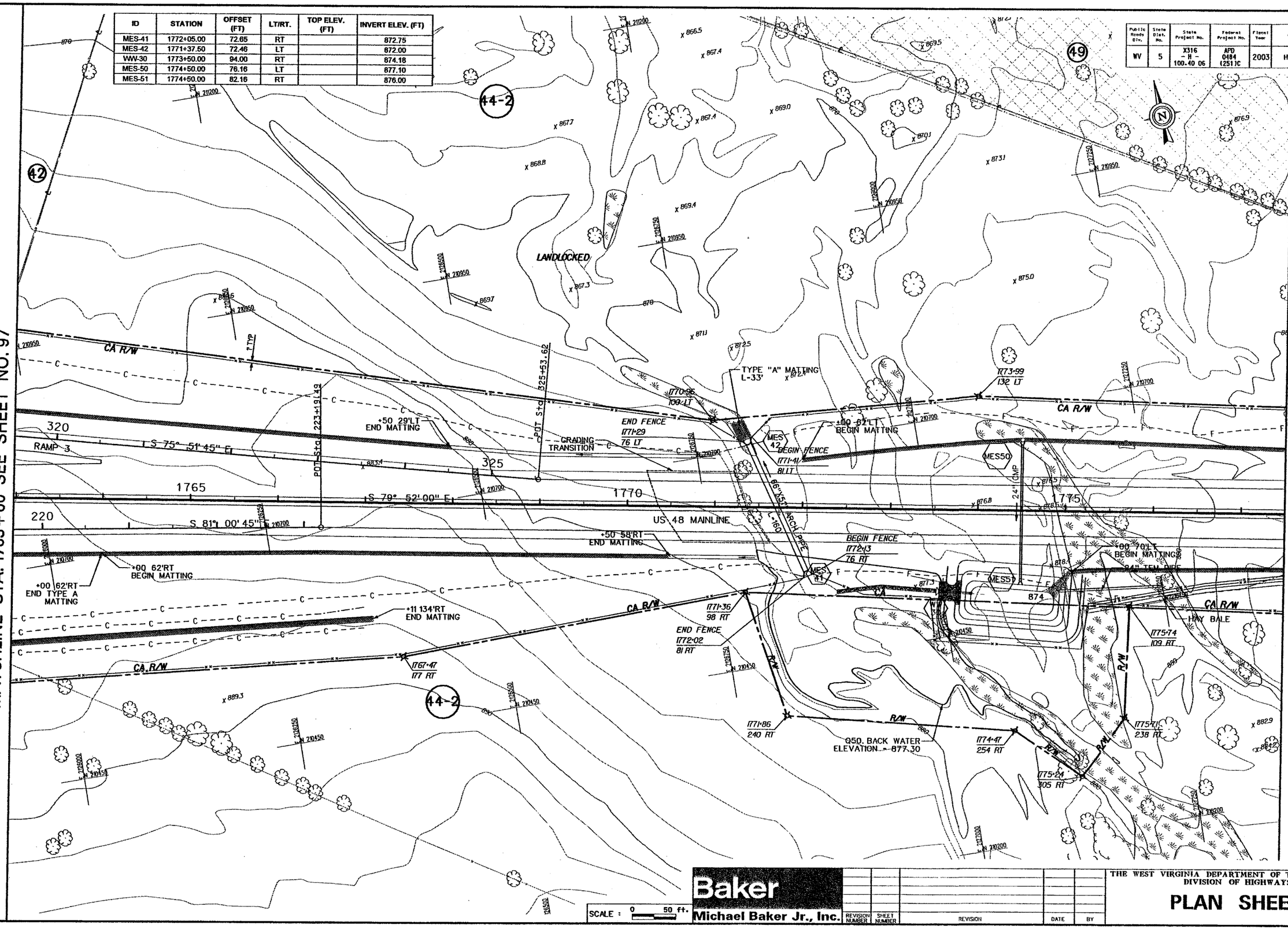
ID	STATION	OFFSET (FT)	LT/RT.	TOP ELEV. (FT)	INVERT ELEV. (FT)
MES-41	1772+05.00	72.65	RT		872.75
MES-42	1771+37.50	72.46	LT		872.00
WW-30	1773+50.00	94.00	RT		874.18
MES-50	1774+50.00	76.16	LT		877.10
MES-51	1774+50.00	82.16	RT		876.00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	98	670



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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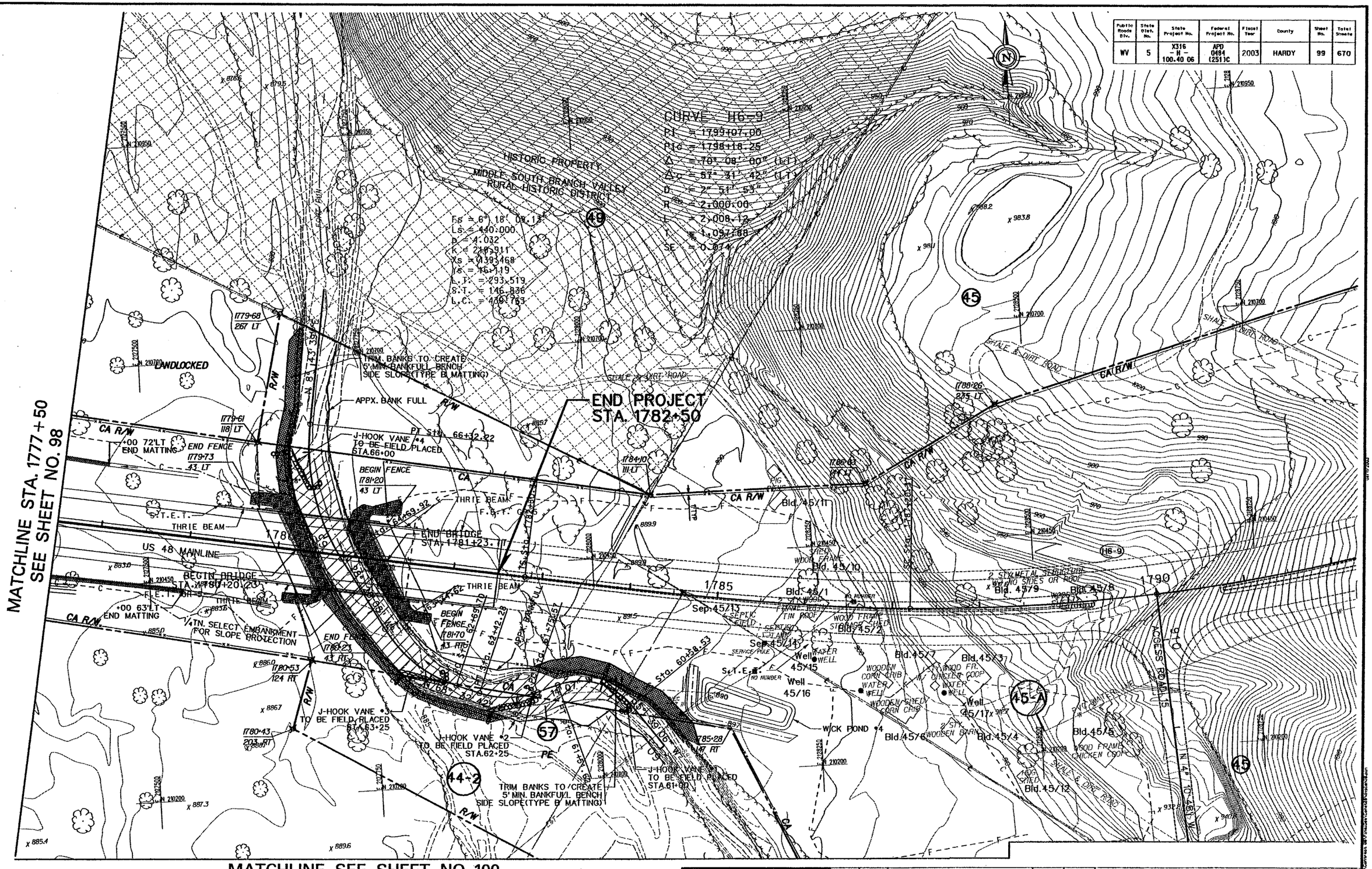
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	99	670



SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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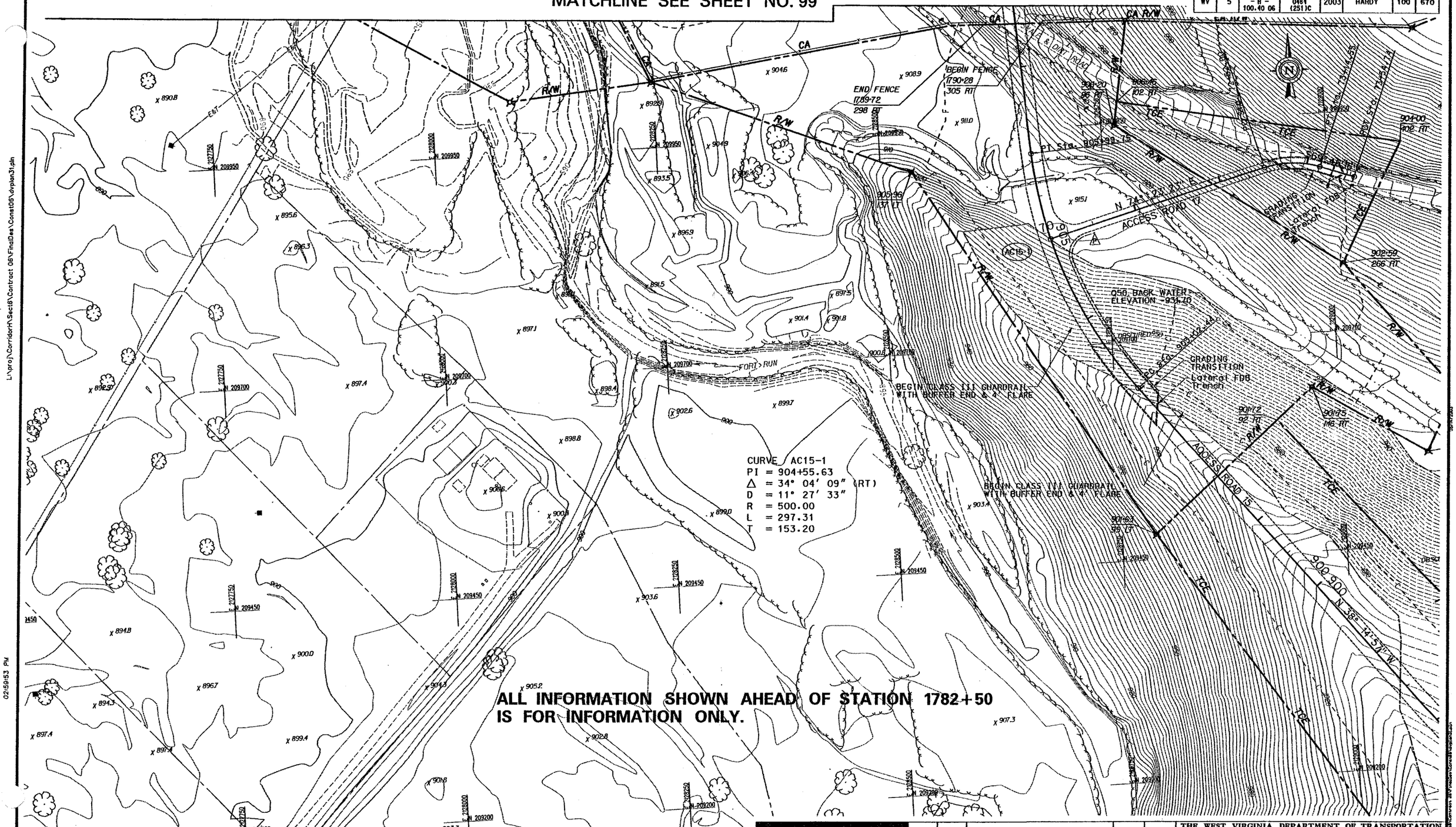
09/11/2003

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	5	X316 - H - 100.40 06	APD 0484 (251)C	2003	HARDY	100	670

MATCHLINE SEE SHEET NO. 99



ALL INFORMATION SHOWN AHEAD OF STATION 1782+50 IS FOR INFORMATION ONLY.

SCALE : 0 50 ft.

Baker
Michael Baker Jr., Inc.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

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