WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR CONSTRUCTION
OF
STATE HIGHWAY

STATE PROJECT NO. U320-119-11.70 00

ROUTE NO. U.S. 119

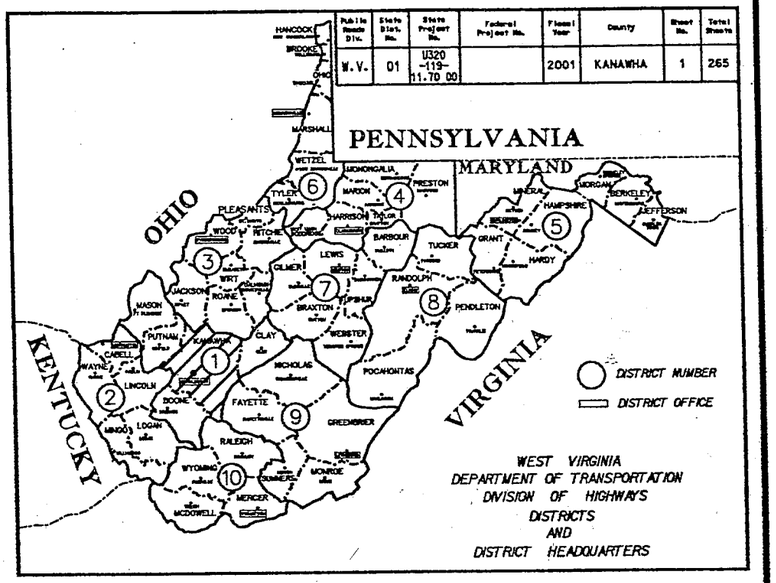
LOUDON & SOUTH CHARLESTON DISTRICTS

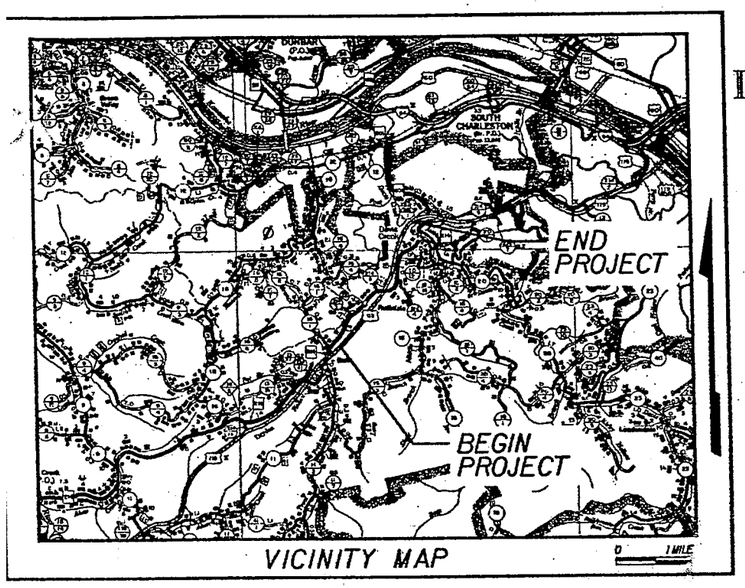
KANAWHA COUNTY

PARKWAY - DAVIS CREEK

PROJECT LENGTH				
STATION TO STATION	ROADWAY		BRIDGE	
	LF.	MILES	LF.	MILES
154+20 TO 269+70	11550	2.19		
TOTAL	11550 LF. = 2.19 MILES			

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	1	265



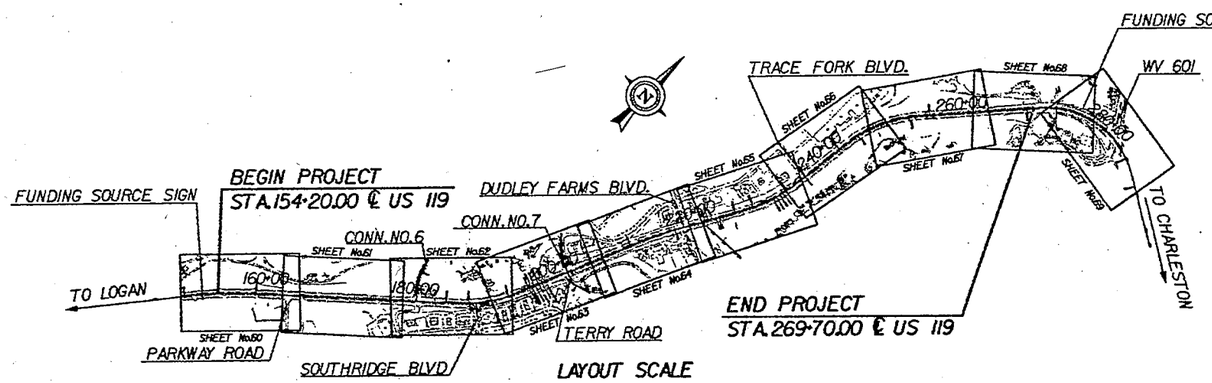


UTILITIES

NONE

TYPE OF CONSTRUCTION

GRADE, PAVE, DRAIN, SIGNING, PAVEMENT MARKING, TRAFFIC SIGNALS



PLANS PREPARED BY

TERRADON TERRADON CORPORATION
P.O. Box 519
Nitro, West Virginia 25143
(304) 755-8291 FAX 755-2636

MICHAEL A. JACOBS REGISTERED 14020 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

SIGNED Michael A. Jacobs 6/21/00 REG. P.E. NO. 14020

NOTES: STANDARD DETAIL BOOK VOL.I DATED JANUARY 1, 2000 AND VOL II DATED JAN. 1 1994, SHALL APPLY TO THIS PROJECT.

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS FACILITY WITH ACCESS PROVIDED AS SHOWN ON THE PLANS.

SCALES

PLAN HOR. 0 50 ft.

PROFILE VERT. 10 ft. 0

HOR. 0 50 ft.

DESIGN DESIGNATION	
A.D.T. (2000)	= 37,100
A.D.T. (2020)	= 61,400
D.H.V.	= 12%
D	= 55/45
T (% DHV)	= 4%
V	= 60 MPH

CONVENTIONAL SIGNS

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

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255-265	THESE SHEETS NOT USED

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

6-23 20 00.

I HEREBY CERTIFY THAT THIS IS A CORRECT COPY OF THE PLANS OF PROJECT U320-119-11.70 00.

Charlotte E. Byrd EXECUTIVE SECRETARY

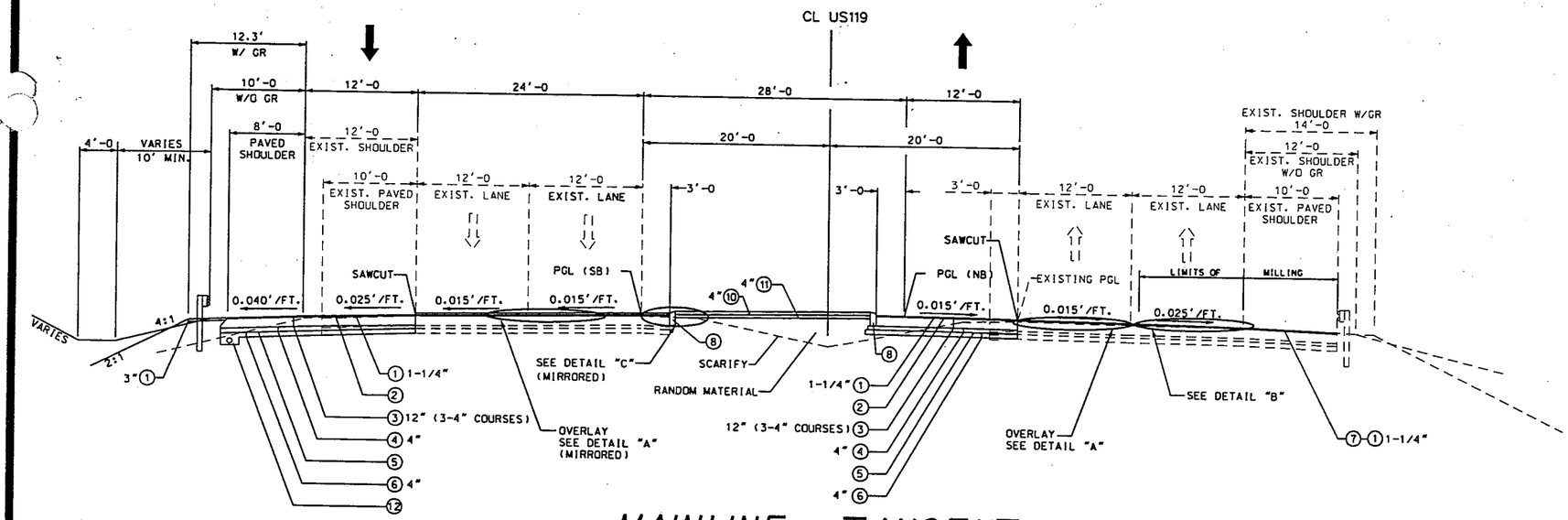
RECOMMENDED Paul E. Clemens DESIGNER

RECOMMENDED FOR APPROVAL James Demeter STATE HIGHWAY ENGINEER

APPROVED Samuel H. Bowers COMMISSIONER OF HIGHWAYS

PROJECT NO. U320-119-11.70 00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	2	265



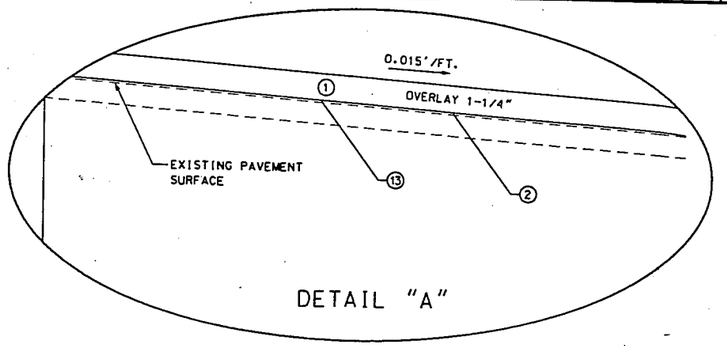
MAINLINE - TANGENT

SB LANES

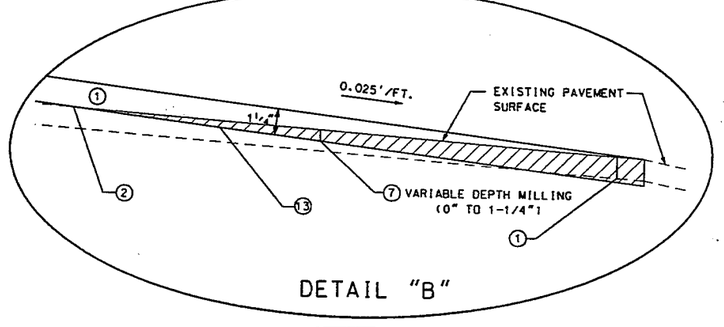
STA. 163+00.00 TO STA. 184+38.46
STA. 195+82.41 TO STA. 210+92.60
STA. 217+43.58 TO STA. 225+86.26
STA. 236+58.69 TO STA. 245+38.50

NB LANES

STA. 163+00.00 TO STA. 181+38.46
STA. 201+82.41 TO STA. 210+92.60
STA. 217+43.58 TO STA. 225+86.26
STA. 236+58.69 TO STA. 245+38.50



DETAIL "A"



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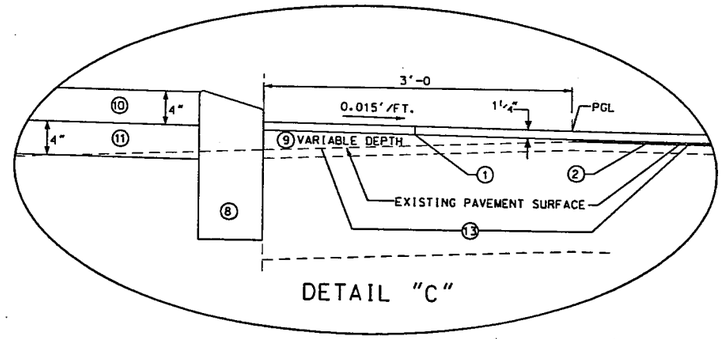

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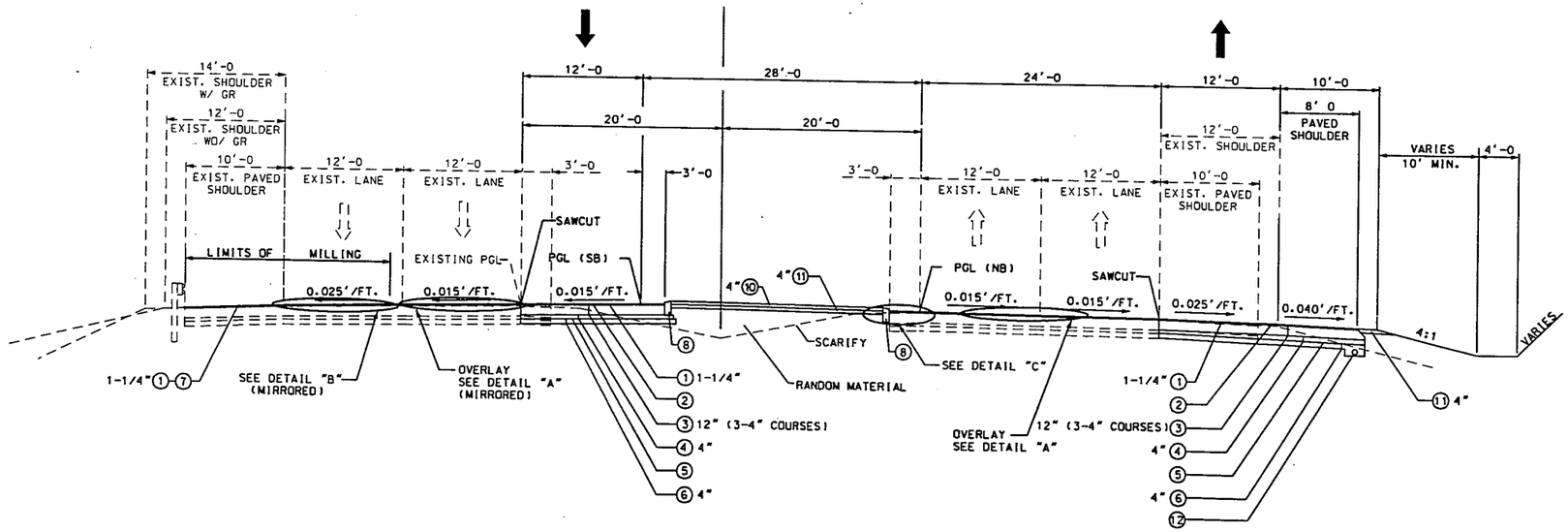

MAINLINE - TANGENT

SB LANES

STA. 252+58.50 TO STA. 262+73.97

NB LANES

STA. 252+58.50 TO STA. 267+95.00

LEGEND

(1)	402001-011	SUPERPAVE HMA SKID RESISTANT PAVEMENT, STONE OR GRAVEL, TYPE 1, TN.
(2)	401007-011	SUPERPAVE HMA SCRATCH COURSE, STONE OR GRAVEL @ 55 LB/SY TN.
(3)	401001-011	SUPERPAVE HMA BASE COURSE, STONE OR GRAVEL, TYPE 1, TN.
(4)	311006-001	OPEN GRADED FREE DRAINING BASE COURSE, CY
(5)	207034-000	FABRIC FOR SEPARATION, SY
(6)	207002-000	SUBGRADE CY.
(7)	415005-001	REMOVE EXISTING PAVEMENT SURFACE, SY
(8)	610001-003	PLAIN CONCRETE CURB, TYPE III, LF
(9)	401003-001	HMA PATCH AND LEVEL COURSE, STONE OR GRAVEL, TN.
(10)	609001-001	CONCRETE SIDEWALK, SY
(11)	307001-000	AGGREGATE BASE COURSE, CLASS 1, CY.
(12)	606029-001	FREE DRAINING BASE TRENCH, L.F.
(13)	408002-001	BITUMINOUS MATERIAL, 0.05 GAL/SY

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TYPICAL SECTIONS

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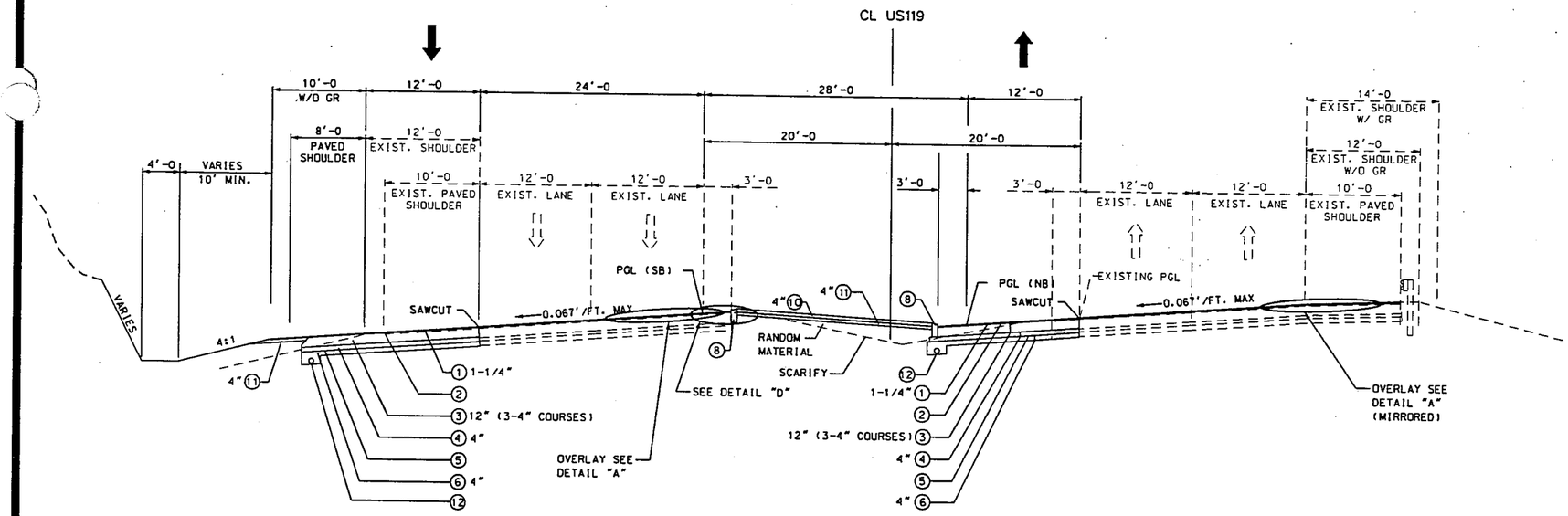
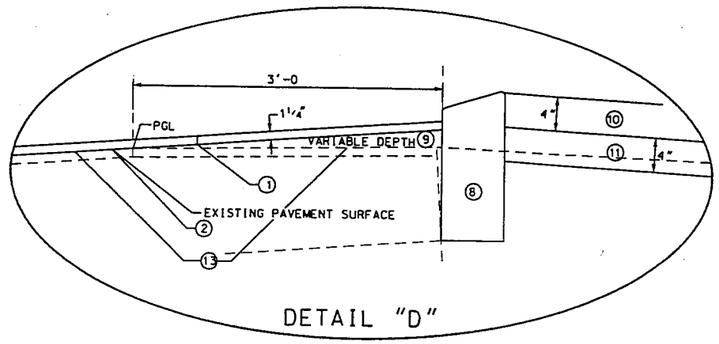
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	3	265





DETAIL "D"

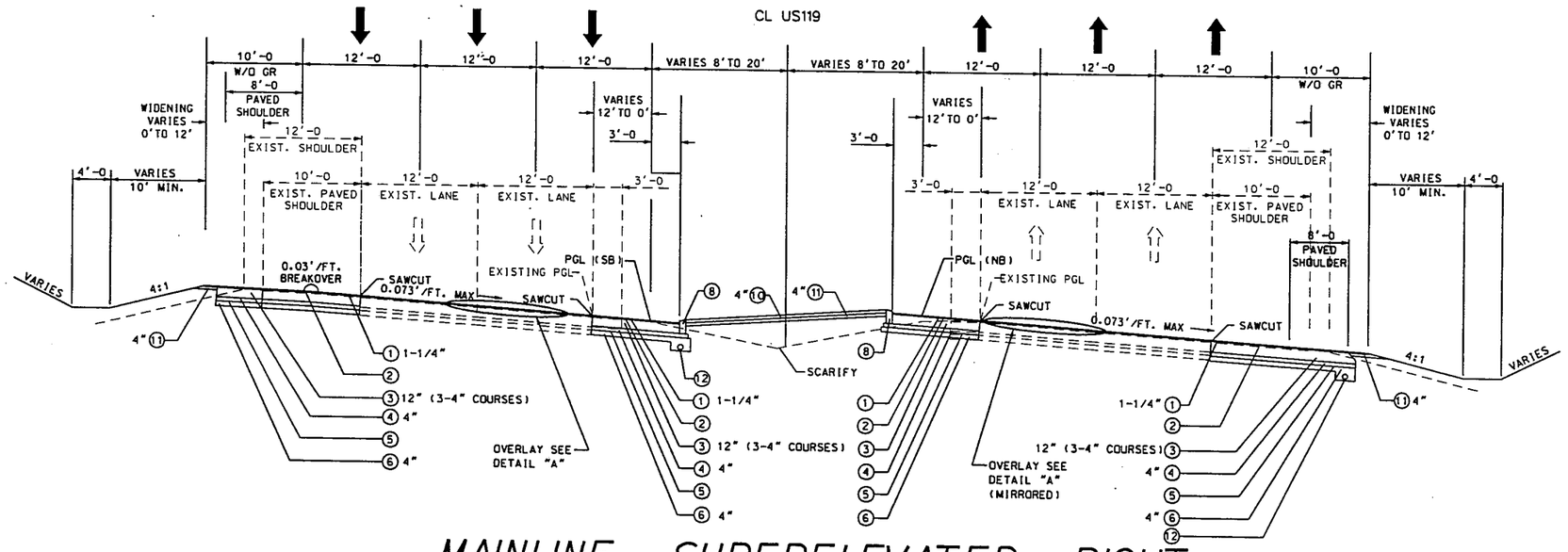
MAINLINE - SUPERELEVATED - LEFT

SB LANES

STA. 225+86.26 TO STA. 236+58.69

NB LANES

STA. 225+86.26 TO STA. 236+58.69



MAINLINE - SUPERELEVATED - RIGHT

SB LANES

STA. 210+92.60 TO STA. 217+43.58

STA. 245+38.50 TO STA. 252+58.50

NB LANES

STA. 210+92.60 TO STA. 217+43.58

STA. 245+38.50 TO STA. 252+58.50

LEGEND

①	402001-011	SUPERPAVE HMA SKID RESISTANT PAVEMENT, STONE OR GRAVEL, TYPE 1, TN.
②	401007-011	SUPERPAVE HMA SCRATCH COURSE, STONE OR GRAVEL @ 55 LB/SY TN.
③	401001-011	SUPERPAVE HMA BASE COURSE, STONE OR GRAVEL, TYPE 1, TN.
④	311006-001	OPEN GRADED FREE DRAINING BASE COURSE, CY
⑤	207034-000	FABRIC FOR SEPARATION, SY
⑥	207002-000	SUBGRADE CY.
⑦	415005-001	REMOVE EXISTING PAVEMENT SURFACE, SY
⑧	610001-003	PLAIN CONCRETE CURB, TYPE III, LF
⑨	401003-001	HMA PATCH AND LEVEL COURSE, STONE OR GRAVEL, TN.
⑩	609001-001	CONCRETE SIDEWALK, SY
⑪	307001-000	AGGREGATE BASE COURSE, CLASS 1, CY.
⑫	606029-001	FREE DRAINING BASE TRENCH, L.F.
⑬	408002-001	BITUMINOUS MATERIAL, 0.05 GAL/SY

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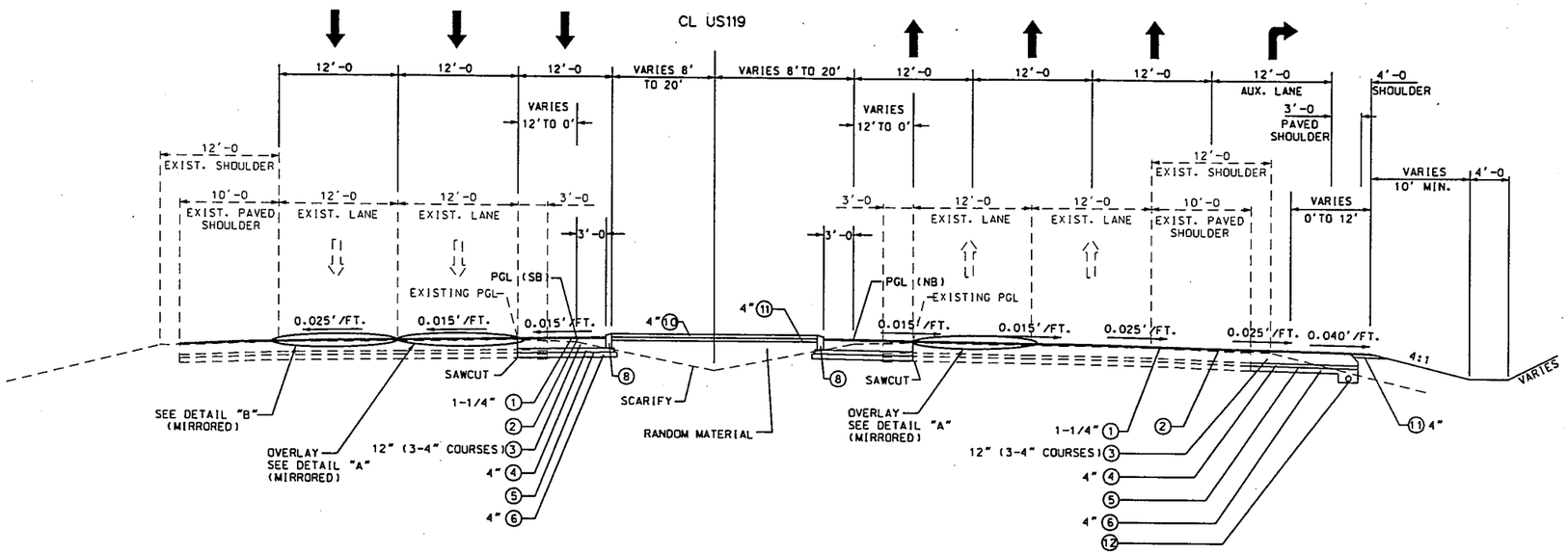
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	4	265



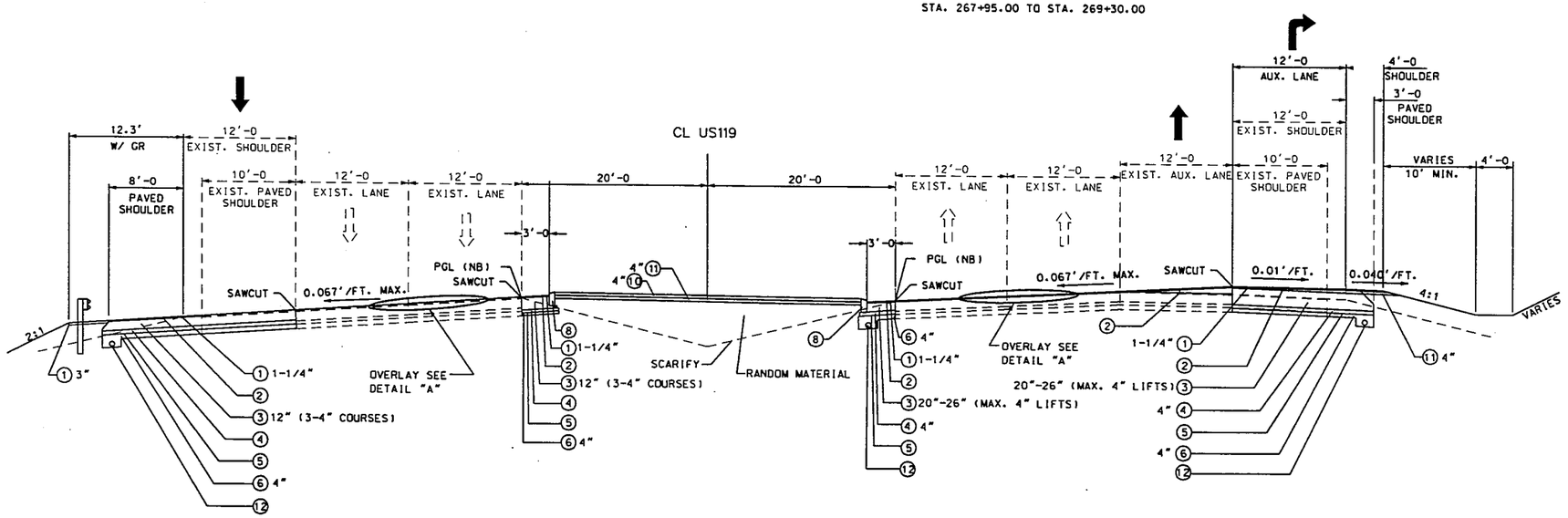
MAINLINE - TRANSITION - RAISED MEDIAN

SB LANES

STA. 262+73.97 TO STA. 268+73.97

NB LANES

STA. 181+38.46 TO STA. 187+38.46
STA. 195+82.41 TO STA. 201+82.41
STA. 267+95.00 TO STA. 269+30.00



MAINLINE - SUPERELEVATED - LEFT - W/AUXILIARY LANE

SB LANES

STA. 184+38.46 TO STA. 195+82.41

NB LANES

STA. 187+38.46 TO STA. 195+82.41

LEGEND

(1)	402001-011	SUPERPAVE HMA SKID RESISTANT PAVEMENT, STONE OR GRAVEL, TYPE 1, TN.
(2)	401007-011	SUPERPAVE HMA SCRATCH COURSE, STONE OR GRAVEL @ 55 LB/SY TN.
(3)	401001-011	SUPERPAVE HMA BASE COURSE, STONE OR GRAVEL, TYPE 1, TN.
(4)	311006-001	OPEN GRADED FREE DRAINING BASE COURSE, CY
(5)	207034-000	FABRIC FOR SEPARATION, SY
(6)	207002-000	SUBGRADE CY.
(7)	415005-001	REMOVE EXISTING PAVEMENT SURFACE, SY
(8)	610001-003	PLAIN CONCRETE CURB, TYPE III, LF
(9)	401003-001	HMA PATCH AND LEVEL COURSE, STONE OR GRAVEL, TN.
(10)	609001-001	CONCRETE SIDEWALK, SY
(11)	307001-000	AGGREGATE BASE COURSE, CLASS 1, CY.
(12)	606029-001	FREE DRAINING BASE TRENCH, L.F.
(13)	408002-001	BITUMINOUS MATERIAL, 0.05 GAL/SY

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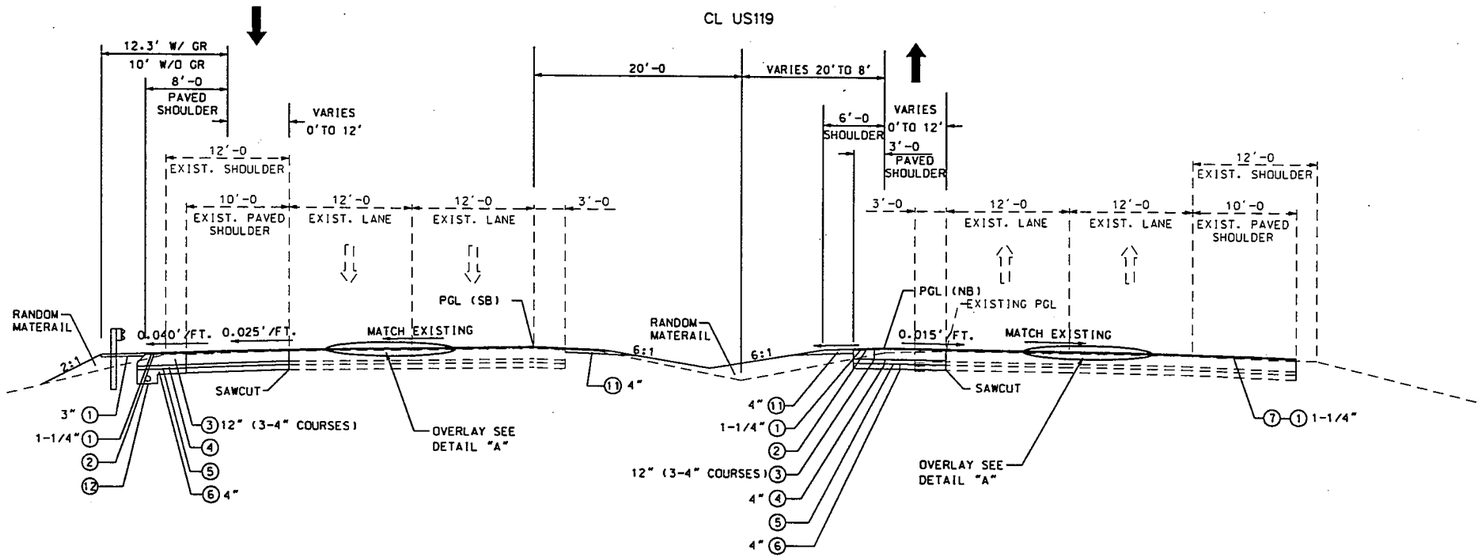


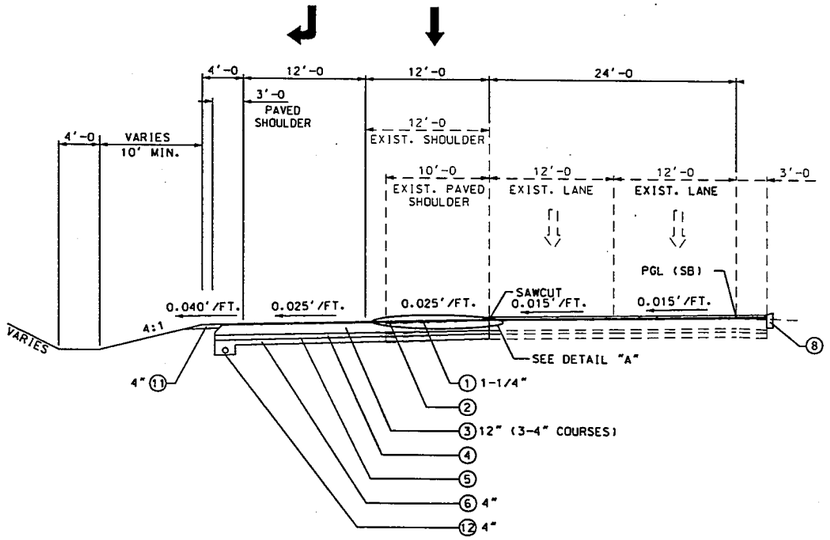
MAINLINE - TRANSITION - DEPRESSED MEDIAN

SB LANES

STA. 149+00.00 TO STA. 154+20.00 (OVERLAY ONLY)
STA. 154+20.00 TO STA. 163+00.00

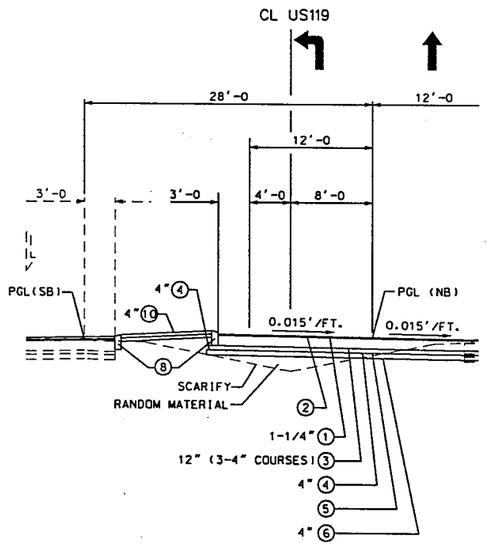
NB LANES

STA. 149+00.00 TO STA. 154+20.00 (OVERLAY ONLY)
STA. 154+20.00 TO STA. 163+00.00

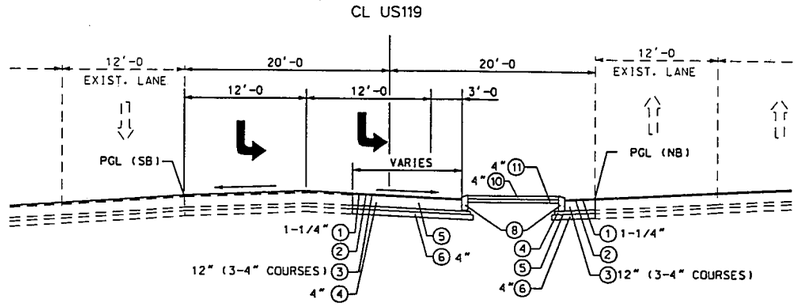


RIGHT TURN LANE DETAIL

STA. 219+80.00 TO STA. 222+70.56 (SB LANES)
STA. 237+40.00 TO STA. 244+86.14 (SB LANES)

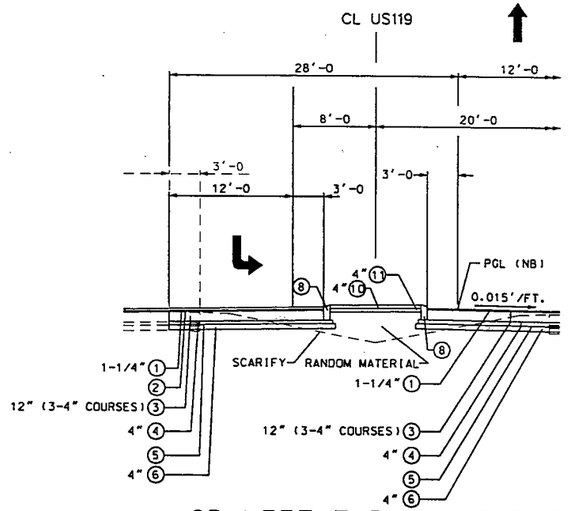


NB LEFT TURN LANE DETAIL



SB DUAL LEFT TURN LANE DETAIL

STA. 189+00.00 TO STA. 198+26.55



SB LEFT TURN LANE DETAIL

LEGEND

(1)	402001-011	SUPERPAVE HMA SKID RESISTANT PAVEMENT, STONE OR GRAVEL, TYPE 1, TN.
(2)	401007-011	SUPERPAVE HMA SCRATCH COURSE, STONE OR GRAVEL @ 55 LB/SY TN.
(3)	401001-011	SUPERPAVE HMA BASE COURSE, STONE OR GRAVEL, TYPE 1, TN.
(4)	311006-001	OPEN GRADED FREE DRAINING BASE COURSE, CY
(5)	207034-000	FABRIC FOR SEPARATION, SY
(6)	207002-000	SUBGRADE CY.
(7)	415005-001	REMOVE EXISTING PAVEMENT SURFACE, SY
(8)	610001-003	PLAIN CONCRETE CURB, TYPE III, LF
(9)	401003-001	HMA PATCH AND LEVEL COURSE, STONE OR GRAVEL, TN.
(10)	609001-001	CONCRETE SIDEWALK, SY
(11)	307001-000	AGGREGATE BASE COURSE, CLASS 1, CY.
(12)	606029-001	FREE DRAINING BASE TRENCH, L.F.
(13)	408002-001	BITUMINOUS MATERIAL, 0.05 GAL/SY

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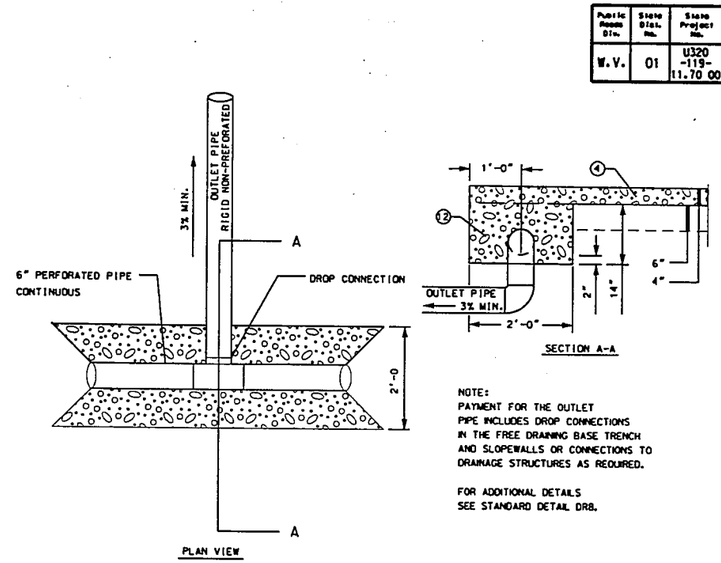
SECTION OF CONCRETE PIPE PLUG

PLYWOOD. 3/4" OR GREATER IN THICKNESS OR OTHER APPROVED MATERIAL. SHALL BE SHAPED OR PLACED TO SNUGLY FIT THE INTERIOR OF THE PIPE TO BE PLUGGED. BRACING. WHEN NECESSARY. SHALL BE ADEQUATELY SECURED IN THE DESIGNATED LOCATION IN SUCH A MANNER THAT IT WILL NOT MOVE OR BE DISTORTED WHEN THE CONCRETE IS PLACED. THE FORMING MATERIAL SHALL BE POSITIONED WITHIN THE PIPE A DISTANCE OF NO LESS THAN 12" MEASURED ALONG THE FLOWLINE. FROM THE END OF THE PIPE TO BE PLUGGED. THE PORTION TO BE PLUGGED SHALL BE COMPLETELY FILLED WITH CLASS D OR BETTER CONCRETE. THE CONCRETE SHALL BE TAMPED. RODDED. OR VIBRATED IN A MANNER TO FORM A DENSE MASS AND TO EXCLUDE VOIDS. THE PLASTIC CONCRETE SHALL BE RETAINED WITHIN THE PIPE BY USE OF FORMS ADEQUATELY BRACED. CURING WILL NOT BE REQUIRED. COST OF PLUGGING EXISTING PIPES IS TO BE INCIDENTALTO THE LUMP SUM BID FOR CLEARING AND GRUBBING.

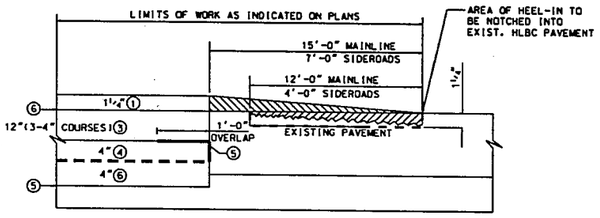


NOTE:
PAYMENT FOR THE OUTLET PIPE INCLUDES DROP CONNECTIONS IN THE FREE DRAINING BASE TRENCH AND SLOPEWALLS OR CONNECTIONS TO DRAINAGE STRUCTURES AS REQUIRED.

FOR ADDITIONAL DETAILS SEE STANDARD DETAIL DR8.

FREE DRAINING BASE TRENCH AND OUTLET DETAIL

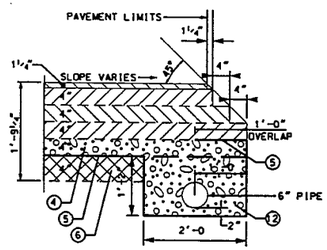
SCALE: NONE



NEW PAVEMENT HEEL-IN-DETAIL

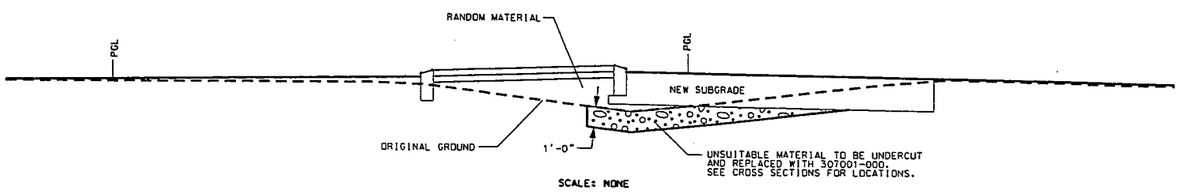
SCALE: NONE

NOTE:
WHEEL RUTS BEYOND THE HEEL-IN NOTCH ARE TO BE FILLED & TRANSITIONED & MEET FIELD CONDITIONS.
HEEL-IN PAVEMENT TO BE INCIDENTAL TO HMA BID PRICES.



PAVEMENT STEPPING & FREE DRAINING BASE TRENCH DETAIL

SCALE: NONE



MEDIAN DITCH UNDERCUT DETAIL

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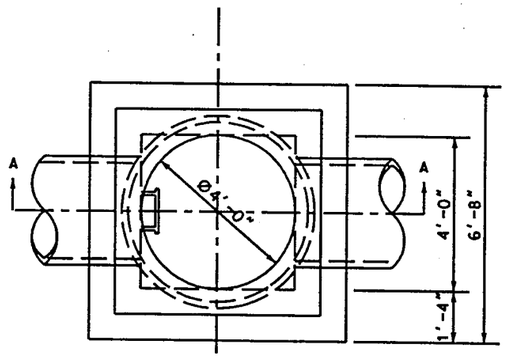
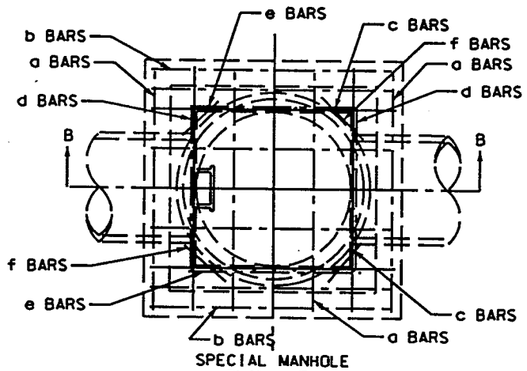
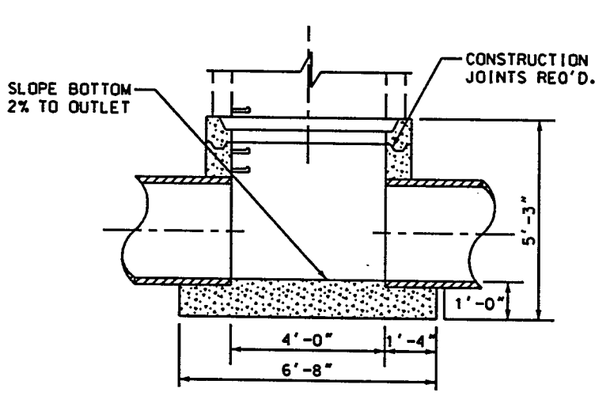


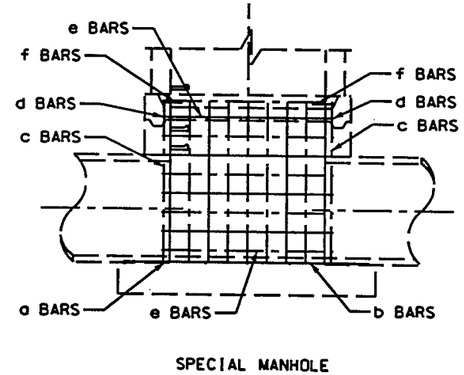
SPECIAL MANHOLE
PLAN VIEW



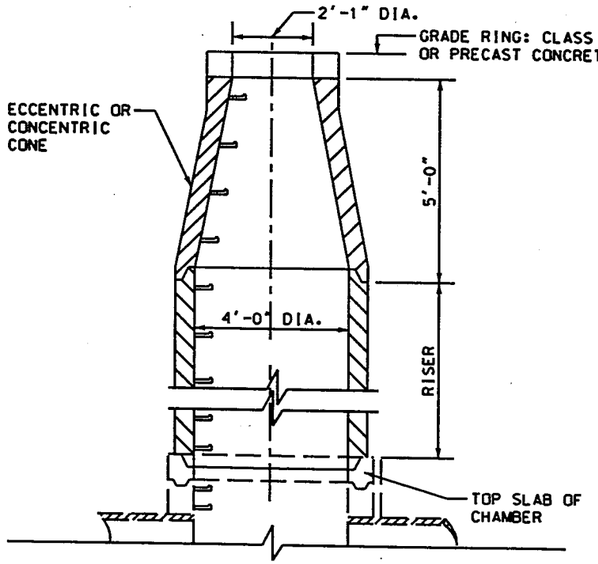
SPECIAL MANHOLE
PLAN VIEW
STEEL PATTERN



SPECIAL MANHOLE
SECTION A-A



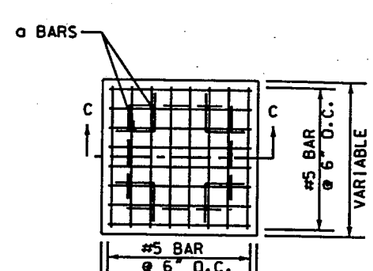
SPECIAL MANHOLE
SECTION B-B
STEEL PATTERN



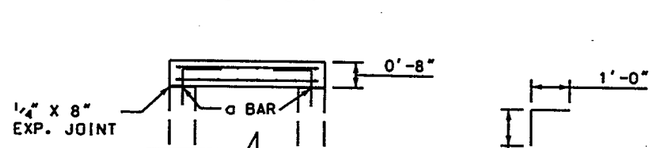
SPECIAL MANHOLE
TOWER DETAIL

NOTES

1. SEE CURRENT STD. DWG. FOR CASTING. WATERTIGHT MANHOLE CASTING REQUIRED.
2. THE CHAMBER SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE. TOWER MAYBE CONSTRUCTED OF PRECAST CONCRETE PIPE SECTIONS.
3. ALL CHAMBER WALLS AND SLABS ARE 8" THICK, EXCEPT WHERE OTHERWISE SHOWN.
4. THE CHAMBER SHALL BE CONSTRUCTED AT RIGHT ANGLES TO THE CENTERLINE OF THE EXISTING 30" CMP.
5. THE CONTRACT UNIT PRICE BID FOR THE SPECIAL MANHOLE SHALL INCLUDE ALL CONCRETE, STEEL REINFORCEMENT, STRUCTURAL STEEL, FRAME AND LID, TOWER, STEPS AND ALL INCIDENTALS NECESSARY TO COMPLETE THE STRUCTURE.
6. SEE CURRENT STD. DWG. FOR STEP TYPE, SPACING AND DETAILS.
7. PLACE ALL STEEL REINFORCEMENT 2" FROM INSIDE OF CHAMBER WALL EXCEPT WHERE OTHERWISE SPECIFIED.
8. ALL a AND b BARS SPACED 1'-0" ON CENTER.
9. ALL c, d, AND e BARS SPACED 6" ON CENTER.
10. BASIS OF PAYMENT - ITEM 675016-001, SPECIAL MANHOLE.



CONCRETE CAP
PLAN VIEW
STEEL PATTERN



CONCRETE CAP
SECTION C-C
STEEL PATTERN

NOTES

1. CAP SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE.
2. ALL a BARS SHALL BE DOWELED AND GROUTED IN PLACE.
3. ALL STEEL REINFORCEMENT SHALL BE # 5 BARS.
4. BASIS OF PAYMENT - ITEM 605012-001, ADJUST INLET TYPE G

SPECIAL MANHOLE BILL OF STEEL *

MARK	SIZE BAR	NUMBER	LENGTH	WEIGHT
		EACH		LB
a	# 5	7	6'-5"	47
b	# 5	7	6'-4"	47
c	# 5	36	4'-1"	153
d	# 5	17	4'-6"	80
e	# 5	16	4'-4"	72
f	# 5	4	1'-9"	7

* CONCRETE: 3.7 cu. yds.
* FOR INFORMATION ONLY

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SPECIAL MANHOLE & CONCRETE CAP DETAIL

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	8	265

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	PRINCIPLE OR ALTERNATE	DESCRIPTION	QUANTITY	
			UNIT	TOTAL
		ROADWAY		
201001-000		CLEARING AND GRUBBING	LS	1
204001-000		MOBILIZATION	LS	1
207001-001		UNCLASSIFIED EXCAVATION	CY	60204
207002-000		SUBGRADE	CY	5188
207034-000		FABRIC FOR SEPARATION	SY	55674
211002-000		ROCK BORROW EXCAVATION	CY	1247
307001-000		AGGREGATE BASE COURSE, CLASS I	CY	3638
311006-001		OPEN GRADED FREE DRAINING BASE COURSE	CY	5547
408002-001		BITUMINOUS MATERIAL	GAL	4772
415005-001		REMOVE EXISTING PAVEMENT SURFACE	SY	18125
604001-020		24 INCH METALLIC COATED CORRUGATED STEEL PIPE, A2	LF	79
604001-022		30 INCH METALLIC COATED CORRUGATED STEEL PIPE, A2	LF	19
604001-026		42 INCH METALLIC COATED CORRUGATED STEEL PIPE, A2	LF	15
604002-016		18 INCH FULL BITUMINOUS COATED CORRUGATED STEEL PIPE, A2	LF	1430
604002-020		24 INCH FULL BITUMINOUS COATED CORRUGATED STEEL PIPE, A2	LF	149
604002-022		30 INCH FULL BITUMINOUS COATED CORRUGATED STEEL PIPE, A2	LF	75
605003-001		TYPE A INLET	EA	2
605004-001		TYPE B INLET	EA	19
605009-001		TYPE G INLET	EA	17
605012-001		ADJUST INLET TYPE B	EA	5
605012-001		ADJUST INLET TYPE G	EA	27
605015-001		ADJUST MANHOLE TYPE B	EA	1
606029-001		FREE DRAINING BASE TRENCH	LF	16706
606030-001		OUTLET PIPE	LF	921
607001-001		TYPE I GUARDRAIL, CLASS I	LF	4114
607006-001		THRIE BEAM GUARDRAIL BRIDGE TRANSITION	EA	2
607010-020		GUARDRAIL REMOVAL	LF	4500
607025-001		CUT SLOPE TERMINAL, TYPE A	EA	1
607025-001		CUT SLOPE TERMINAL, TYPE B	EA	3
607030-001		SPECIAL TRAILING END TERMINAL	EA	8
607065-001		FLARED END TERMINAL	EA	3
607066-001		TANGENT END TERMINAL	EA	1
608001-002		4 FT RIGHT-OF-WAY FENCE, CHAIN LINK	LF	670
608001-006		6 FT. RIGHT-OF-WAY FENCE, CHAIN LINK	LF	673
609001-001		CONCRETE SIDEWALK	SY	17959
610001-003		PLAIN CONCRETE CURBING, TYPE III	LF	19876
610003-003		COMBINATION CONCRETE CURB AND GUTTER, TYPE III	LF	502
633001-001		CONCRETE GUTTER	SY	142
636007-001		ERADICATION OF PAVEMENT MARKING	LF	50000
636008-001		TEMPORARY PAVEMENT MARKING-PAINT 4 IN SOLID LINE	LF	95504
636009-001		TEMPORARY PAVEMENT MARKING-TAPE 4 IN SOLID LINE	LF	1154

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	PRINCIPLE OR ALTERNATE	DESCRIPTION	QUANTITY	
			UNIT	TOTAL
636011-001		TRAFFIC CONTROL DEVICE	UNIT	39500
636012-010		PROJECT TRAFFIC CONTROL DEVICE CLEANING	EA	3
636013-001		INDIVIDUAL TRAFFIC CONTROL DEVICE CLEANING	EA	500
636014-001		FLAGGER	HR	900
636014-002		TRAFFIC DIRECTOR	HR	200
636017-001		TEMPORARY CONCRETE BARRIER	LF	21100
636018-001		REMOVE AND RESET TEMPORARY CONCRETE BARRIER	LF	6900
636022-001		CHANGEABLE MESSAGE SIGN	DA	360
636025-001		WARNING LIGHTS, TYPE B	DAY	3838
636025-001		WARNING LIGHTS, TYPE C	DA	33800
637001-001		WATER FOR DUST PALLIATIVE	MGAL	122
638003-001		SURVEY MARKER	EA	16
639001-001		CONSTRUCTION LAYOUT STAKE	LS	1
640001-001		STANDARD FIELD OFFICE AND STORAGE BUILDING	MO	12
640003-001		BUILDING EQUIPMENT	LS	1
640004-001		COMPUTER SYSTEM FOR FIELD OFFICE	LS	1
642001-001		TEMPORARY BERM	LF	4012
642002-001		SLOPE DRAIN	LF	88
642004-004		SEED MIXTURE, L	LB	1055
642005-001		MULCH, STRAW OR HAY	TN	19
642006-001		FERTILIZER	TN	4
642009-001		CONTOUR DITCH	LF	23300
642010-001		AGRICULTURAL LIMESTONE	TN	15
642011-001		HAY OR STRAW BALES	EA	4032
642012-001		SILT FENCE	LF	20300
642036-001		SEDIMENT REMOVAL	CY	157
652001-001		AGRICULTURAL LIMESTONE	TN	15
652002-001		FERTILIZER, 10-20-10	TN	4
652002-002		FERTILIZER, UREA FORMALDEHYDE	TN	2
652003-001		SEED MIXTURES, B, C-1, OR C-2	LB	40
652003-005		SEED MIXTURE L	LB	1055
652004-001		STRAW OR HAY MULCH	TN	19
655001-001		MATTING	SY	7100
655002-001		PERMANENT EROSION MATTING, TYPE B	SY	4240
664001-008		IMPACT ATTENUATING DEVICE, TYPE IV	EA	15
664001-009		REMOVE AND RESET G.R.E.A.T. ATTENUATOR DEVICE, TYPE IV	EA	9
675016-001		SPECIAL MANHOLE COMPLETE, INCLUDING CASTING	EA	1
		ROADWAY ALTERNATES		
401001-011	AA1	SUPERPAVE HMA BASE COURSE,STONE OR GRAVEL, TYPE I	TN	31699
401001-012	AA2	SUPERPAVE HMA BASE COURSE, SLAG, TYPE I	TN	28529
401003-001	BB1	HMA PATCH AND LEVEL COURSE, STONE OR GRAVEL	TN	49
401003-002	BB2	HMA PATCH AND LEVEL COURSE, SLAG	TN	44
401007-011	CC1	SUPERPAVE HMA SCRATCH COURSE,STONE OR GRAVEL	TN	2507
401007-012	CC2	SUPERPAVE HMA SCRATCH COURSE,SLAG	TN	2257
402001-011	DD1	SUPERPAVE HMA SKID RESIST. PAVEMENT,STONE OR GRAVEL,TYPE I	TN	9815
402001-012	DD2	SUPERPAVE HMA SKID RESIST. PAVEMENT,SLAG, TYPE I	TN	8834
636002-001	EE1	AGGREGATE FOR MAINTAINING TRAFFIC, STONE OR GRAVEL	TN	250
636002-002	EE2	AGGREGATE FOR MAINTAINING TRAFFIC, SLAG	TN	225

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	9	265

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	PRINCIPLE OR ALTERNATE	DESCRIPTION	QUANTITY	
			UNIT	TOTAL
		SIGNING		
657006-001		S 4 x 7.7, A-441 SUPPORT, GALVANIZED	LF	372
657006-005		W 6 x 12, A-441 SUPPORT, GALVANIZED	LF	96
657006-010		W 8 x 18, A-441 SUPPORT, GALVANIZED	LF	170
657008-001		2.00 LB CHANNEL POST	LF	3062
657010-001		3.00 LB CHANNEL POST	LF	1393
657017-001		CLASS B CONCRETE FOOTING, REINFORCED, ROADSIDE	CY	22
657018-001		POST REMOVAL	EA	96
658001-001		CLASS B CONCRETE FOOTING, REINFORCED, OVERHEAD	CY	37
658002-001		OVERHEAD SIGN, STEEL-ALUMINUM COMBINATION, 03	EA	1
658002-001		OVERHEAD SIGN, STEEL-ALUMINUM COMBINATION, 04	EA	1
658003-001		OVERHEAD SIGN, GALVANIZED STEEL, 01	EA	1
658003-001		OVERHEAD SIGN, GALVANIZED STEEL, 02	EA	1
659001-001		SIGN LIGHTING, TYPE 3, 01	LS	1
659001-001		SIGN LIGHTING, TYPE 3, 02	LS	1
659001-001		SIGN LIGHTING, TYPE 3, 03	LS	1
659001-001		SIGN LIGHTING, TYPE 3, 04	LS	1
661001-001		0.080 IN FLAT SHEET SIGN	SF	840
661002-001		EXTRUDED PANEL SIGN	SF	2871
661004-001		DELINEATOR, REFLEX REFLECTOR, SINGLE, WHITE	EA	38
661004-001		DELINEATOR, REFLEX REFLECTOR, SINGLE, AMBER	EA	226
661007-001		DELINEATOR, THREE PER UNIT, AMBER	UNIT	12
6610;3-001		PLASTIC DELINEATOR POST, WHITE	EA	72
		PAVEMENT MARKING		
663001-004		EDGE LINE, TYPE II, WHITE	LF	24624
663001-004		EDGE LINE, TYPE II, YELLOW	LF	22619
663002-005		LANE LINE OR CENTERLINE, TYPE II, WHITE	LF	11726
663003-005		BARRIER LINE, TYPE II	LF	1310
663004-004		CHANNELIZING LINE, TYPE II	LF	5789
663005-010		STOP LINE, TYPE V	LF	806
663007-004		STRIPE, TYPE II, WHITE	LF	951
663007-004		STRIPE, TYPE II, YELLOW	LF	24
663010-010		LANE ARROW, TYPE V	EA	52
663011-010		LANE LETTER, TYPE V	EA	88

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	PRINCIPLE OR ALTERNATE	DESCRIPTION	QUANTITY	
			UNIT	TOTAL
		TRAFFIC SIGNALS		
636023-001		TEMPORARY TRAFFIC SIGNAL, 02	LS	1
636023-001		TEMPORARY TRAFFIC SIGNAL, 03	LS	1
660001-002		SIGNAL CONTROLLER, INSTALLATION ONLY, 01	LS	1
660001-002		SIGNAL CONTROLLER, INSTALLATION ONLY, 02	LS	1
660001-002		SIGNAL CONTROLLER, INSTALLATION ONLY, 03	LS	1
660001-002		SIGNAL CONTROLLER, INSTALLATION ONLY, 04	LS	1
660003-006		SIGNAL SECTION, V-12	EA	16
660003-007		SIGNAL SECTION, INSTALLATION ONLY, V-12	EA	120
660004-041		SIGNAL SUPPORT, INSTALLATION ONLY, C1	EA	7
660005-010		JUNCTION BOX, TYPE H	EA	24
660005-011		ADJ JUNCTION BOX, TYPE H	EA	9
660006-001		SIGNAL INTERCONNECT	LS	1
660007-001		MISCELLANEOUS SIGNAL, 01	LS	1
660007-001		MISCELLANEOUS SIGNAL, 02	LS	1
660007-001		MISCELLANEOUS SIGNAL, 03	LS	1
660007-001		MISCELLANEOUS SIGNAL, 04	LS	1
662014-001		INCIDENTAL ELECTRICAL WORK	LS	1

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THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

Public Roads Div.	State Div. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	10	265

* FOR INFORMATION ONLY

GRADING SUMMARY *

LOCATION STATION	LOCATION STATION	TOTAL EXCAV. UNCLASS. (207001-001) C.Y.	UNSUIT. EXCAV. C.Y.	USABLE EXCAV. C.Y.	SHRINK OR SWELL	ADJUST EXCAV. C.Y.	UNCLASS. EMBANK. C.Y.	SELECT EMBANK. C.Y.	IMPERMEABLE EMBANKMENT C.Y.	TOTAL EMBANK. C.Y.	EXCESS(+) OR BORROW(-) C.Y.	REMARKS
154+50	191+50	25136	5101	20035	1.15	23040	6995	13891	0	20886	+2154	US 119 MAINLINE
191+50	198+00	10378	2117	8261	1.05	8674	657	0	0	657	+8017	US 119 MAINLINE
198+00	270+00	24690	7429	17261	1.15	19850	11278	926	0	12204	+7646	US 119 MAINLINE
7+00	9+00	0	0	0		0	10222	0	0	10222	-10222	CONN. NO. 7 (RIGHT)
8+00	9+00	0	0	0		0	321	0	0	321	-321	CONN. NO. 7 (LEFT)
TOTAL		60204	14647	45557		51564	29473	14817	0	44290	+7274	

BORROW COMPUTATIONS *

SELECT EMBANKMENT REQUIRED (FROM TABLE "GRADING SUMMARY") = 14817

SELECT EMBANKMENT AVAILABLE (FROM TABLE "PROBABLE SOURCE OF SELECT EMBANKMENT") = 13383

SELECT EMBANKMENT NEEDED = 1434

ROCK BORROW REQUIRED TO MEET S.E. REQUIREMENTS WITH 0% SWELL :

ITEM 211002-00, ROCK BORROW EXCAVATION = $\frac{\text{S.E. NEEDED}}{1+0.15}$ = 1247

UNCLASS. EMBANKMENT REQUIRED (FROM TABLE "GRADING SUMMARY") = 29473

ADJUSTED EXCAVATION (FROM TABLE "GRADING SUMMARY")-S.E. AVAILABLE (FROM TABLE "PROBABLE SOURCE OF S.E.") = 38181

EMBANKMENT NEEDED = -8705

EXCAVATION REQUIRED TO MEET EMBANK. REQUIREMENTS WITH 10% SHRINK:

ITEM 211001-00, UNCLASSIFIED BORROW EXCAVATION = $\frac{\text{EMBANK. NEEDED}}{1-0.10}$ = 0

SEEDING & MULCHING

LOCATION STATION	LOCATION STATION	ITEM 652001 -001 AGRI-CULTURAL LIMESTONE TON	ITEM 652002 -001 FERTILIZER 10-20-10 TON	ITEM 652002 -002 UREA FORMAL-DEHYDE FERTILIZER TON	ITEM 652003 -001 SEED MIXTURE B, C-1, OR C-2 LB.	ITEM 652003 -005 SEED MIXTURE L LB.	ITEM 652004 -001 STRAW OR HAY MULCH TON	ITEM 652004 -002 WOOD CELLULOSE FIBER MULCH TON	REMARKS
154+50	270+00	13.2	3.5	1.32	40	977	17.6	0	US 119 MAINLINE
8+00	9+00	.2	.1	.1	0	9	.2	0	CONNECTOR 7 LT.
7+50	9+00	.9	.3	.1	0	69	1.2	0	CONNECTOR 7 RT.
TOTAL		14.3	3.9	1.52	40	1055	19.0	0	

PLAIN CONCRETE CURB

LOCATION STATION	LOCATION STATION	LENGTH SB	LENGTH NB	ITEM 610001-003 TYPE III	REMARKS
163+50	180+02.35		1665.22	1665.22	
181+15.54	188+16.32		708.63	708.63	
188+70.19	200+99.18		1238.63	1238.63	
202+04.15	217+89.70		1596.21	1596.21	
219+13.60	236+18.11		1719.55	1719.55	
236+86.25	267+18.89		3049.56	3049.56	
163+48.76	180+02.35	1654.95		1654.95	
181+15.54	188+06.98	683.15		683.15	
188+71.31	200+99.18	1229.83		1229.83	
202+04.15	217+89.70	1589.13		1589.13	
219+13.60	236+18.11	1699.56		1699.56	
236+86.25	267+18.89	3041.27		3041.27	
TOTAL		9897.89	9977.80	19875.69	

CLEARING & GRUBBING *

LOCATION STATION	LOCATION STATION	AREA S.F.	AREA ACRES	REMARKS
154+50	270+00	1065739.0	24.47	US 119 MAINLINE
8+00	9+00	3682.0	0.1	CONNECTOR 7 LT.
7+50	9+00	25821.1	0.6	CONNECTOR 7 RT.
	TOTAL	1095242.1	25.14	

PROBABLE SOURCE OF SELECT EMBANKMENT

LOCATION STATION	LOCATION STATION	VOLUME CY	REMARKS
154+50	160+00	838	US 119 MAINLINE
173+00	180+00	2727	US 119 MAINLINE
225+00	235+00	2695	US 119 MAINLINE
243+00	267+00	7123	US 119 MAINLINE
TOTAL		13383	

CONCRETE SIDEWALK

LOCATION STATION	LOCATION STATION	LENGTH FT.	AREA S.F.	AREA ITEM 609001-001 CONC. SIDEWALK S.Y.	ITEM 307001 -000 AGGREGATE BASE COURSE C.Y.	REMARKS
163+48	180+04	1656	27392.1	3043.6	338.2	
181+14	188+09	695	11512.0	1279.1	142.1	
188+87	201+00	1213	11515.0	1279.4	142.2	
202+03	217+91	1588	20754.3	2306.0	256.2	
219+12	236+20	1708	26723.4	2969.3	329.9	
236+84	267+23	3039	63727.7	7080.9	786.8	
TOTAL				17958.3	1995.4	

CONCRETE CURB & GUTTER

LOCATION STATION	LOCATION STATION	LENGTH SB	LENGTH NB	ITEM 610003-001 TYPE III	REMARKS
186+89.13	187+59.84		75.39	75.39	SOUTHRIDGE BLVD.
188+93.69	189+33.12		43.92	43.92	SOUTHRIDGE BLVD.
217+43.51	11+34.81	116.86		116.86	DUDLEY FARMS BLVD.
11+39.23	219+68.41	111.78		111.78	DUDLEY FARMS BLVD.
235+73.55	14+53.69	77.49		77.49	TRACE FORK BLVD.
14+36.97	237+38.15	76.81		76.81	TRACE FORK BLVD.
TOTAL		382.94	119.31	502.25	

RIGHT OF WAY FENCE

LOCATION STATION	LOCATION STATION	LENGTH LEFT	LENGTH RIGHT	ITEM 608001 (-006) (6FT)	ITEM 608001 (-002) (4FT)	REMARKS
181+07	183+10	250		250		
198+68.55	201+34	423		423		
211+66	218+06	670			670	
TOTAL		1343		673	670	

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TABULATION OF QUANTITIES

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	US20 -119- 11.70 00		2001	KANAWHA	11	265

GUARDRAIL

LOCATION		ITEM 607001 LENGTH		CLASS	ITEM 607065 -001 F.E.T.	ITEM 607030 -001 S.T.E.T.	*ITEM BUFFER END	ITEM 607006 -001 BRIDGE TRANS.	ITEM 607025 -001 C.S.T.		ITEM 607010 -020 REMOVE	ITEM 607066 -001 TET	REMARKS
STATION	STATION	LEFT	RIGHT						A	B			
149+00	163+00	225		1		1					250		
163+00	178+00	1100		1						1	1100		
178+00	191+50	1177	29	1			1				1300	1	
191+50	206+00	250	16.5	1		1	1		1		1140		
234+00	248+50		190	1		1					190		
248+50	262+50		375	1	2	3				1			
262+50	275+50	207.7	543.5	1	1	2		2		1	520		
SUBTOTAL		2959.7	1154.0										
TOTAL		4113.7			3	8	2	2	1	3	4500.0	1	

* FOR INFORMATION ONLY

PAVING QUANTITIES

LOCATION		LENGTH	ITEM 207002 -000 SUB-GRADE C.Y.	ITEM 207034 -000 FABRIC FOR SEPARATION S.Y.	ITEM 307001 -000 AGGREGATE BASE COURSE C.Y.	ITEM 311006 -001 C.&.F.D.B. C.Y.	ITEM 401001 -011 PRIN. STONE OR GRAVEL TON	ITEM 401001 -012 ALT. SLAG TON	ITEM 401003 -001 PRIN. STONE OR GRAVEL TON	ITEM 401003 -002 ALT. SLAG TON	ITEM 401007 -011 PRIN. STONE OR GRAVEL TON	ITEM 401007 -012 ALT. SLAG TON	ITEM 402001 -011 PRIN. STONE OR GRAVEL TON	ITEM 402001 -012 ALT. SLAG TON	ITEM 408002 -001 BITUMINOUS MATERIAL GAL.	ITEM 415005 -001 REMOVE EXISTING PAVEMENT S.Y.	REMARKS
STATION	STATION																
149+00	154+20	520	0	0	35.2	0	0	0	0.0	0.0	0.0	0.0	293.9	264.5	213.8	0	
154+20	164+00	980	366.0	3964.8	59.6	390.6	2241.7	2017.5	0.0	0.0	196.2	176.6	720.7	648.6	356.7	244.4	
164+00	178+00	1400	646.9	6671.3	77.7	694.5	3952.1	3556.9	0.0	0.0	258.5	232.7	1051.9	946.7	470.1	103.4	
178+00	191+50	1350	616.6	6578.6	155.7	663.0	3768.6	3391.7	0.0	0.0	393.2	353.9	1369.6	1232.6	714.9	6762.2	
191+50	200+00	850	600.0	6636.5	330.8	641.8	3650.1	3285.1	0.0	0.0	167.8	151.0	793.9	714.5	305.0	0	
200+00	215+00	1500	703.3	7654.8	107.0	757.0	4297.6	3867.8	0.0	0.0	334.3	300.9	1276.5	1148.9	607.8	2224.9	
215+00	228+00	1300	531.5	5474.5	170.5	570.9	3252.8	2927.5	4.0	3.6	326.8	294.1	1150.5	1035.5	594.1	3379.1	
228+00	257+00	2900	1268.2	13982.4	207.2	1348.0	7748.1	6973.3	24.5	22.1	584.9	526.4	2258.0	2032.2	1063.5	4008.1	
257+00	269+60	1260	455.5	4711.1	73.6	480.8	2788.1	2509.3	20.6	18.5	245.4	220.9	900.0	810.0	446.3	1403.0	
TOTAL		12060.0	5188.0	55674.0	1217.3	5546.6	31699.1	28529.2	49.1	44.2	2507.1	2256.4	9815.0	8833.5	4772.2	18125.1	

SURVEY MARKERS

LOCATION	OFFSET	CURRENT STATUS	ITEM 638003-001 EACH
158+62.24	60' RT.	P.T. US RT. 119	1
184+38.46	90' RT.	T.S. US RT. 119	1
187+38.46	90' RT.	S.C. US RT. 119	1
192+82.41	90' RT.	C.S. US RT. 119	1
195+82.41	90' RT.	S.T. US RT. 119	1
210+92.60	70' RT.	P.C. US RT. 119	1
217+43.58	90' RT.	P.T. US RT. 119	1
225+86.26	70' RT.	T.S. US RT. 119	1
228+86.26	70' RT.	S.C. US RT. 119	1
233+58.69	90' LT.	C.S. US RT. 119	1
236+58.69	70' RT.	S.T. US RT. 119	1
242+42.67	70' RT.	T.S. US RT. 119	1
245+42.67	70' RT.	S.C. US RT. 119	1
252+54.34	90' LT.	C.S. US RT. 119	1
255+54.34	90' LT.	S.T. US RT. 119	1
268+73.97	75' LT.	T.S. US RT. 119	1
		PROJECT TOTAL	16

TEMPORARY POLLUTION CONTROL

LOCATION		ITEM 642001 -001 TEMPORARY BERMS L.F.	ITEM 642002 -001 SLOPE DRAINS L.F.	ITEM 642031 -001 DITCH CHECKS EA.	ITEM 642032 -001 CHECK DAMS EA.	ITEM 642033 -001 SED. TRAP SED. POND C.Y.	ITEM 642034 -001 SEDIMENT DAM C.Y.	ITEM 642035 -001 RISER EA.	ITEM 642036 -001 SEDIMENT REMOVAL C.Y.	ITEM 642004 -001 TEMPORARY SEED LBS.	ITEM 642004 -004 SEED MIXTURE L LBS.	ITEM 642004 -003 SEED MIXTURE D LBS.	ITEM 642005 -001 STRAW OR HAY MULCH TON	ITEM 642005 -002 WOOD CELL. FIBR MULCH TON	ITEM 642006 -001 FERTILIZER TON	ITEM 642007 -001 FIBER MATTING S.Y.	ITEM 642008 -001 TEMPORARY PIPE L.F.	ITEM 642009 -001 CONTOUR DITCH L.F.	ITEM 642010 -001 AGRICULT. LIMESTONE TON	ITEM 642011 -001 HAY/STRAW BALES EA.	ITEM 642012 -001 SILT FENCE L.F.	REMARKS
STATION	STATION																					
155+00	270+00	3825	82	0	0	0	0	0	103	0	977	0	17.6	0	3.50	0	0	23000	13.23	3915	20000	US119 MAINLINE
8+00	9+00	0	1	0	0	0	0	0	4	0	9	0	0.2	0	.1	0	0	100	0.13	51	100	CONN. NO.7 LEFT
7+00	9+00	187	5	0	0	0	0	0	0	0	69	0	1.2	0	.3	0	0	200	0.89	66	200	CONN. NO.7 RIGHT
TOTAL		4012	88	0	0	0	0	0	107	0	1055	0	19.0	0	3.90	0	0	23300	14.3	4032	20300	

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THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	12	265

DRAINAGE

STATION	STRUCTURE NUMBER	OFFSET	METALLIC COATED CORRUGATED STEEL PIPE				FULL BITUMINOUS COATED CORRUGATED STEEL PIPE			INLETS			SPECIAL M.H. COMPLETE, INCLUDING CASTING	ADJUST INLET TYPE B	ADJUST INLET TYPE G	ADJUST MANHOLE TYPE B	CLASS B CONCRETE	* REINF. STEEL BAR	CONCRETE GUTTER	REMARKS
			604001-016 A2	604001-020 A2	604001-022 A2	604001-026 A2	604002-016 A2	604002-020 A2	604002-022 A2	605003-001	605004-001	605009-001	675016-001	605012-001	605012-001	605015-001	601002-001	602001-001	633001-001	
			18"	24"	30"	42"	18"	24"	30"	TYPE A	TYPE B	TYPE G								
			LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LB	SY	
155+50	1	2.50' LT.		6.5	5.7							1							6	1ea. - 24" & 30" - 22.5° Prefabricated pipe bend
159+00	2	4.35' LT.		16.8								1							6	1ea. - 24" - 22.5° Prefabricated pipe bend
159+00		68' RT.																	6	
162+51.47	3	87.46' RT.				3.0						1							12.3	Remove 18.9' - Ex. 42" CMP
TO						11.4														
162+50	4	71.34' RT.																		
163+79	5	4.83' RT.													1			294		Modify - Remove 3.03' of Ex. Type 'G' Inlet & Cap
168+14	6	0.50' LT.													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
172+49	7	℄													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
176+24	8	℄													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
181+04		99' RT.													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
181+25	9	5.42' RT.																	6	
185+00	10	℄													1			140		Modify - Remove 1.0' of Ex. Type 'G' Inlet & Cap
TO							11.4								1			140		Modify - Tie In 18" CSP & Cap Ex. Type 'G' Inlet
185+00	11	12.2' RT.									1									
TO							98.5													
186+00	12	14.2' RT.									1									
188+88	13	17.0' RT.									1									
TO							8.5													Tie In 6" FDB Outlet Pipe
188+88	14	8.6' RT.									1									
TO							13.2													Remove Ex. Type 'G' Inlet Tie In 6" FDB Outlet Pipe
189+00	15	℄																		
188+88	13	17.0' RT.																		Remove Ex. M.H., Ex. 18" CMP In & 3' - Ex. 18" CMP Out
TO							161.1													
190+50	15B	7.0' RT.									1									
190+47.9	15A	10.4' RT.																		
189+50	16	85.76' RT.										1								Remove Ex. Manhole
TO							54.4												9.6	Tie In 6" FDB Outlet Pipe
190+04.3	17	82.2' RT.																		
194+50	18	12.0' RT.													1			140		Modify - Tie In 18" CSP & Cap Ex. Type 'G' Inlet
TO							49.8				1									Tie In 6" FDB Outlet Pipe
195+00	18A	7.0' RT.																		
TO							198.4				1									Tie In 6" FDB Outlet Pipe
197+00	18B	0.5' RT.																		
TO							98.3				1									Tie In 6" FDB Outlet Pipe
198+00	19	℄																		
199+18.76	20	81.9' LT.													1			140		Modify - Remove 1.0' of Ex. Type 'G' Inlet, Tie In 18" CSP & Cap
TO				9.0																Remove Ex. End Section & 3' Ex. 24" CMP
199+22.44	21	89.2' LT.																		
TO								123.2				1							6	
200+50	22	90.7' LT.																		
TO									43.0			1							14.9	Tie In 6" FDB Outlet Pipe
200+56.47	23	137.22'LT.											1							
TO							92.5													Remove Ex. Headwall
CONN. NO. 7 8+00	23A	48.43' RT.																		
200+67	24	5.8' LT.																		Remove Ex. End Section
203+29	25	100.77'LT.													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
TO								25.3							1			140		Modify - Tie In 24" CSP & Cap Ex. Type 'G' Inlet
203+50	26	112.5' LT.										1							9.6	
205+00	27	℄													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.

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DRAINAGE

STATION	STRUCTURE NUMBER	OFFSET	METALLIC COATED CORRUGATED STEEL PIPE				FULL BITUMINOUS COATED CORRUGATED STEEL PIPE			INLETS			SPECIAL M.H. COMPLETE. INCLUDING CASTING	ADJUST INLET TYPE B	ADJUST INLET TYPE G	ADJUST MANHOLE TYPE B	CLASS B CONCRETE	* REINF. STEEL BAR	CONCRETE GUTTER	REMARKS
			604001-016 A2	604001-020 A2	604001-022 A2	604001-026 A2	604002-016 A2	604002-020 A2	604002-022 A2	605003-001	605004-001	605009-001	675016-001	605012-001	605012-001	605015-001	601002-001	602001-001	633001-001	
			18"	24"	30"	42"	18"	24"	30"	TYPE A	TYPE B	TYPE G								
			LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LB	SY	
206+26.7	28	81.4' LT.																		
206+26.7	29	89.2' LT.										1								Remove Ex. Type 'G' Inlet & 1.9' - Ex. 24" RCP
209+85.3	30	74.8' LT.																	9.6	Mod. Type 'G' Inlet - H = 8.81' Tie Into Ex. 24" RCP
TO				6.6																Remove Ex. Headwall & 3' - Ex. 24" CMP
209+86.7	31	76.9' LT.																		
210+00	32	1.0' RT.										1							6	
213+00	33	17.0' LT.													1			140		
TO							198.9				1									Cap Ex. Type 'G' Inlet @ Top Grate Elev.
215+00	34	17.0' LT.																		
TO							15.9				1									
215+00	35	℄																		
217+00	36	17.0' LT.													1			140		
TO							14.9				1									Modify - Remove 1.67' of Ex. Type 'G' Inlet, Tie In 18" CSP & Cap
217+00	37	2.31' LT.																		
217+80	40	14.32' LT.								1										Tie Into Ex. 18" CMP W/ 18" CMP Tee
TO							8.2													
217+82	41	5.26' LT.																		
217+70	42	83.2' LT.													1			140		
TO									22.1			1							6.8	Modify - Remove .67' of Ex. Type 'G' Inlet, Tie In 18" CSP & Cap
217+93	43	83.6' LT.																		Tie In 6" FDB Outlet Pipe
218+22	44	83.5' LT.													1			202		
219+02	45	108.5' LT.												1						Modify - Tie In 30" CSP & Cap Ex. Type 'G' Inlet
222+00	46	℄												1						Modify Ex. Type 'B' Inlet to Finish Grade
224+14.54	47	58.28' LT.													1			140		Modify Ex. Type 'B' Inlet to Finish Grade
TO															1			202		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
224+14.54	48	81.8' LT.							9.2											Modify - Remove .33' of Ex. Type 'G' Inlet, Tie In 30" CSP & Cap
227+00	49	℄										1							6	
231+00	50	℄													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
TO															1			140		Modify - Tie In 18" CSP & Cap Ex. Type 'G' Inlet
231+00	50A	5.0' RT.					3.9													
231+00	51	68.41' LT.									1									Tie In 6" FDB Outlet Pipe
TO				12.6																Remove Ex. Type 'G' Inlet & 3' - Ex. 24" CMP, Tie In 6" FDB Pipe
231+00	52	78.0' LT.																		
	53											1							6	
																				NOT USED
	54																			
234+00	55	7.0' LT.																		NOT USED
TO							98.1				1									Tie In 6" FDB Outlet Pipe
235+00	56	7.0' LT.																		
TO							89.3				1									Tie In 6" FDB Outlet Pipe
235+91	59	7.0' LT.																		
235+66	60	77.9' LT.								1										Remove Ex. Type 'G' Inlet, Tie Into Ex. 24" CMP
TO							15.3					1							6	
235+76	61	66.0' LT.																		
236+19	62	68.9' LT.													1			140		Modify - Tie In 18" CSP, 6" FDB Pipe & Cap Ex. Type 'G' Inlet
236+23	63	102.1' LT.														1				Modify Ex. M.H. to Finish Grade
236+89	64	100.4' LT.												1						Modify Ex. Type 'B' Inlet to Finish Grade
237+27	65	69.4' LT.												1						Modify Ex. Type 'B' Inlet to Finish Grade
240+50	66	℄												1						Modify Ex. Type 'B' Inlet to Finish Grade
245+00	67	℄													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
															1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.

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DRAINAGE

STATION	STRUCTURE NUMBER	OFFSET	METALLIC COATED CORRUGATED STEEL PIPE				FULL BITUMINOUS COATED CORRUGATED STEEL PIPE			INLETS			SPECIAL M.H. COMPLETE. INCLUDING CASTING	ADJUST INLET TYPE B	ADJUST INLET TYPE G	ADJUST MANHOLE TYPE B	CLASS B CONCRETE	* REINF. STEEL BAR	CONCRETE GUTTER	REMARKS
			604001-016 A2	604001-020 A2	604001-022 A2	604001-026 A2	604002-016 A2	604002-020 A2	604002-022 A2	605003-001	605004-001	605009-001	675016-001	605012-001	605012-001	605015-001	601002-001	602001-001	633001-001	
			18"	24"	30"	42"	18"	24"	30"	TYPE A	TYPE B	TYPE G								
			LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	CY	LB	SY	
245+00	67A	17.0' LT.									1									Tie Into Ex. 24" CMP
245+00	68	68.34' LT.																		Remove Ex. Type 'G' Inlet & 3' - Ex. 24" CMP, Tie In 6" FDB Pipe
TO				18.2																
245+00	69	83.57' LT.										1							6	
248+25	70	12.2' LT.									1									Tie In 6" FDB Outlet Pipe
TO							11.3													
248+32	70A	3.8' LT.																		Tie Into Ex. 24" CMP W/ 18 x 24" CMP Tee
248+50	70B	℄													1			140		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
249+05.39	71	67.59' LT.																		Remove Ex. Type 'G' Inlet & 3' - Ex. 24" CMP, Tie In 6" FDB Pipe
TO				9.1																
249+09.74	72	71.71' LT.										1							6	
252+00	73	5.9' LT.									1									Tie In 6" FDB Outlet Pipe
TO							148.6													
253+50	74	5.0' LT.									1									Tie In 6" FDB Outlet Pipe
TO							4.6													
253+50	75	0.7' RT.													1			140		Modify - Tie In 18" CSP & Cap Ex Type 'G' Inlet @ Top Grate Elev.
254+50	76	5.0' LT.									1									Tie In 6" FDB Outlet Pipe
TO							7.4													
254+50	77	2.1' RT.																		Tie Into Ex. 18" CMP W/ 18" CMP Tee
258+00	79	0.38' RT.													1			202		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
258+00	80	68.18' RT.																		Remove Ex. Type 'G' Inlet & 3' - Ex. 30" CMP, Tie In 6" FDB Pipe
TO					12.8															
258+00	81	78.0' RT.										1							6.8	
263+00	82	0.66' RT.													1			202		Cap Ex. Type 'G' Inlet @ Top Grate Elev.
263+00	83	67.59' RT.																		Remove Ex. Type 'G' Inlet & 16.5' Ex. 24" CMP, Tie In 6" FDB Pipe
263+00	84	78.0' RT.					26.9					1							6	1 - Prefabricated 18" x 24" CMP Adapter
TOTAL			0	78.8	18.5	14.4	1429.4	148.5	74.3	2	19	17	1	5	27	1	0	4182	141.6	

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UNDERDRAIN

STATION	STATION	LT. / CEN. / RT.	FREE DRAINING BASE TRENCH 606029-001 LF	OUTLET PIPE 606030-001 LF	* CLASS B CONCRETE 601002-001 CY	REMARKS
155+00	160+95	LT.	595	266	0.18	6" Outlet Pipe W/ Slopewall, 45° Outlet Pipe @ Sta. 152+50
157+87	---	CEN.		7		Tie Ex. 4" UD into Ex. 24" CMP, 4" Outlet Pipe @ Sta. 157+87
159+00	159+22	CEN.		25.7		Tie Ex. 4" UD into New Type 'G' Inlet, 4" Outlet Pipe @ Sta. 159+00
159+00	162+50	RT.	350	5		Tie 6" Outlet Pipe into Ex. 24" CMP @ Sta. 159+00
161+00	163+95	LT.	295	8.5	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 161+00
162+28	---	CEN.			0.18	Cutoff Ex. 4" UD @ Ditch Line and add Slopewall
164+00	166+95	LT.	295	10	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 164+00
167+00	169+95	LT.	295	10	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 167+00
170+00	171+95	LT.	195	10	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 170+00
172+00	179+63	LT.	763	10	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 172+00
181+00	183+95	LT.	295	9.2	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 181+00
181+50	187+25	RT.	575	35		Tie 6" Outlet Pipe into Ex. 24" CMP @ Sta. 181+50
184+00	186+95	LT.	295	10.2	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 184+00
185+00	185+95	RT. CEN.	95	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 185+00
186+00	188+00	RT. CEN.	200	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 186+00
187+00	189+95	LT.	295	8.5	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 187+00
188+88	190+45	LT. CEN.	157	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 188+88
188+88	193+50	RT. CEN.	462	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 188+88
189+34	192+00	RT.	266	21		Tie 6" Outlet Pipe into New Type 'G' Inlet @ Sta. 189+50
190+00	195+00	LT.	500	9.5	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 190+00
190+50	193+50	LT. CEN.	300	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 190+50
192+01	200+50	RT.	849	14.8	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 200+50
193+55	194+50	RT. CEN	95	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 194+50
193+55	195+00	LT. CEN.	145	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 195+00
195+03	199+00	LT.	397	15	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 199+00
195+05	197+00	LT. CEN.	195	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 197+00
199+05	200+50	LT.	145	24		Tie 6" Outlet Pipe into New Type 'G' Inlet @ Sta. 200+50
202+50	204+50	LT.	200	17.8	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 204+50
204+55	206+50	LT.	195	12.5	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 206+50
206+55	209+81	LT.	326	5		Tie 6" Outlet Pipe into Ex. 24" CMP @ Sta. 209+81
209+85	217+70	LT.	785	17.5		Tie 6" Outlet Pipe into New Type 'G' Inlet @ Sta. 217+70
219+50	224+14	LT.	464	5		Tie 6" Outlet Pipe into Ex. 30" CMP @ Sta. 224+14
224+20	231+00	LT.	780	5		Tie 6" Outlet Pipe into Ex. 24" CMP @ Sta. 231+00
228+00	231+00	RT. CEN.	300	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 231+00
231+05	234+00	RT. CEN.	295	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 234+00
231+05	235+76	LT.	471	5		Tie 6" Outlet Pipe into Ex. Type 'G' Inlet @ Sta. 235+76
234+05	235+00	RT. CEN.	95	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 235+00
235+05	235+91	RT. CEN.	86	5		Tie 6" Outlet Pipe into New Type 'A' Inlet @ Sta. 235+91
237+50	245+00	LT.	750	5		Tie 6" Outlet Pipe into 24" CMP @ Sta. 245+00
245+05	249+05	LT.	400	5		Tie 6" Outlet Pipe into Ex. 24" CMP @ Sta. 249+05
245+50	247+00	RT.	150	10	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 247+00
246+00	248+25	LT. CEN.	225	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 248+25

NOTE: THE COST OF THE SLOPEWALL IS INCLUDED IN THE COST OF THE OUTLET PIPE

* - FOR INFORMATION ONLY

UNDERDRAIN

STATION	STATION	LT. / CEN. / RT.	FREE DRAINING BASE TRENCH 606029-001 LF	OUTLET PIPE 606030-001 LF	* CLASS B CONCRETE 601002-001 CY	REMARKS
247+05	258+00	RT.	1095	5		Tie 6" Outlet Pipe into Ex. 30" CMP @ Sta. 258+00
248+30	252+00	LT. CEN.	370	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 252+00
249+10	252+50	LT.	340	212.5	0.18	6" Outlet Pipe W/ Slopewall, 45° Outlet Pipe @ Sta. 254+50
252+05	253+50	LT. CEN.	145	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 253+50
253+55	254+50	LT. CEN.	95	5		Tie 6" Outlet Pipe into New Type 'B' Inlet @ Sta. 254+50
258+05	263+00	RT.	495	5		Tie 6" Outlet Pipe into Ex. 24" CMP @ Sta. 263+00
263+05	268+00	RT.	495	15.3	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 268+00
268+05	269+00	RT.	95	15.3	0.18	6" Outlet Pipe W/ Slopewall @ Sta. 269+00
TOTAL			16 706	920.3	3.42	

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TABULATION OF QUANTITIES

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W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	16	265

DITCHES

STATION	STATION	LT. / MED. / RT.	LENGTH	DITCH WIDTH	MATTING WIDTH	DEPTH	TEMPORARY MATTING 655001-001	PERMANENT EROSION MATTING TYPE B 655002-001	REMARKS
			FT	FT	FT	FT.	SY	SY	
155+00	160+50	LT.	550	4	8.2	0.5	500		Provide Temporary Matting
159+00	162+30	RT.	330	4	12.3	1.0	450		Provide Temporary Matting
154+20	155+50	MED.	130			0.3			'V' Ditch, No Matting Required
155+50	159+00	MED.	350			0.3			'V' Ditch, No Matting Required
159+00	162+50	MED.	350			0.3			'V' Ditch, No Matting Required
173+00	180+00	LT.	700	4	8.2	0.5		640	Provide Type 'B' Matting
181+50	187+50	RT.	600	4	8.2	0.5	545		Provide Temporary Matting
181+50	184+00	LT.	250	4	7.4	0.4	205		Provide Temporary Matting
189+00	189+50	RT.	50	4		0.3			No Matting Required
189+50	191+50	RT.	200	4		0.3			No Matting Required
191+50	200+50	RT.	900	4	14	1.2	1395		Provide Temporary Matting
192+00	195+00	LT.	300	4		0.5			No Matting Required
195+00	199+22	LT.	422	4	9	0.6	420		Provide Temporary Matting
199+22	200+50	LT.	128	4	9.1	0.6	130		Provide Temporary Matting
202+50	203+50	LT.	100	4	13	0.8	145		Provide Temporary Matting
203+50	206+25	LT.	275	4	10.8	0.5	330		Provide Temporary Matting
206+25	207+00	LT.	75	4		0.3			No Matting Required
207+00	209+85	LT.	285	4	8.2	0.5	260		Provide Temporary Matting
209+85	217+70	LT.	785	4	12.3	1.0	1070		Provide Temporary Matting
220+00	224+14	LT.	414	4	9.8	0.7		450	Provide Type 'B' Matting
224+14	231+00	LT.	686	4	8.1	0.5		620	Provide Type 'B' Matting
231+00	235+66	LT.	466	4	7.3	0.4	380		Provide Temporary Matting
237+50	245+00	LT.	750	4	9.8	0.7	820		Provide Temporary Matting
245+00	249+10	LT.	410	4	9.9	0.7	450		Provide Temporary Matting
247+50	258+00	RT.	1050	4	10.6	0.8		1240	Provide Type 'B' Matting
249+10	252+50	LT.	340	4	9	0.6		340	Provide Type 'B' Matting
258+00	267+50	RT.	950	4	9	0.6		950	Provide Type 'B' Matting
TOTAL							7 100	4 240	

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
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TABULATION OF QUANTITIES

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W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	17	265

GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION,DIVISION OF HIGHWAYS "STANDARD SPECIFICATIONS,ROAD AND BRIDGES",ADOPTED 2000. THE CONTRACT PLANS AND CONTRACT DOCUMENTS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

EROSION AND SEDIMENT CONTROL

DETAILS NOT SHOWN IN THE PLANS SHALL BE IN ACCORDANCE WITH THE WEST VIRGINIA DIVISION OF HIGHWAYS EROSION AND SEDIMENT CONTROL MANUAL,NOVEMBER 1,1993.

THE CONTRACTOR WILL BE REQUIRED TO INCORPORATE ALL PERMANENT EROSION CONTROL FEATURES INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME AS OUTLINED IN HIS ACCEPTED SCHEDULE. IN THE EVENT THAT TEMPORARY EROSION AND POLLUTION CONTROL MEASURES ARE REQUIRED DUE TO THE CONTRACTORS NEGLIGENCE,CARELESSNESS,OR FAILURE TO INSTALL PERMANENT CONTROLS AS PART OF THE WORK AS SCHEDULED,AND ARE ORDERED BY THE ENGINEER,SUCH WORK SHALL BE PERFORMED BY THE CONTRACTOR AT HIS OWN EXPENSE.

STRUCTURE REMOVAL

ALL STRUCTURES,CULVERTS,HEADWALLS AND INLETS REMOVED DURING CONSTRUCTION,SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ALL VOIDS CREATED BY SUCH REMOVAL SHALL BE BACKFILLED WITH RANDOM MATERIAL AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL AND FILLING OF VOIDS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201001-000 "CLEARING AND GRUBBING".

EXISTING PIPES

THE COST OF REMOVING OR PLUGGING EXISTING PIPES IS TO BE INCIDENTAL TO THE LUMP SUM BID FOR ITEM 201001-000,CLEARING AND GRUBBING.

FREE DRAINING BASE

THE FREE DRAINING BASE COURSE SHALL NOT BE EXPOSED TO ANY TRAFFIC EXCEPT THOSE VEHICLES DELIVERING THE NEXT LAYER OF PAVING MATERIALS. ANY FREE DRAINING BASE COURSE WHICH BECOMES CONTAMINATED PRIOR TO BEING OVERLAID,SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

NOTICE TO CONTRACTORS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ORIGINAL CROSS SECTIONS PRIOR TO THE START OF ANY CONSTRUCTION.

DRAINAGE

THE CONTRACTOR SHALL MAINTAIN WORKING DRAINAGE SYSTEMS THROUGH THE WORK AREAS AT ALL TIMES DURING CONSTRUCTION. THE WORKING SYSTEM MAY CONSIST OF THE EXISTING DRAINAGE SYSTEM,THE PROPOSED DRAINAGE SYSTEM OR A COMBINATION THEREOF,DRAINAGE PIPES FOR THE PROPOSED SYSTEM SHALL BE CONSTRUCTED IN SECTION LENGTHS NECESSARY TO MAINTAIN THE LANES OF TRAFFIC INDICATED IN THE MAINTENANCE OF TRAFFIC NOTES.

LOOSE ROCK

THE CONTRACTOR IS ADVISED THAT LOOSE ROCK MAY BE PRESENT AT VARIOUS LOCATIONS ALONG THE PROJECT,INCLUDING STA.225+50 TO STA.230+00 LEFT. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID CREATING ROCK FALL CONDITIONS. IF A ROCK FALL OCCURS,OR APPEARS TO BE IMMINENT,THE SITE SHOULD BE SECURED AND THE ENGINEER SHOULD BE CONTACTED IMMEDIATELY, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY PROPERTY DAMAGES RESULTING FROM A ROCK FALL.

BLASTING

BEFORE BLASTING OPERATIONS COMMENCE THE CONTRACTOR SHALL SUBMIT A BLASTING PLAN TO THE ENGINEER FOR REVIEW.

WHEN THE CONTRACTORS BLASTING OPERATIONS REQUIRE TRAFFIC ON US 119 TO BE STOPPED, THE TRAFFIC DELAY SHALL NOT EXCEED 15 MINUTES. IF THE 15 MINUTE LIMIT IS EXCEEDED, THE CONTRACTOR SHALL BE ASSESSED A PENALTY OF $850.00 PER MINUTE FOR EACH MINUTE BETWEEN 15 MINUTES AND 60 MINUTES, AND $650.00 PER MINUTE THEREAFTER. THE ENGINEER SHALL DOCUMENT THE LENGTH OF EACH TRAFFIC DELAY CAUSED BY THE CONTACTOR. IF A PENALTY IS ASSESSED, IT SHALL BE DEDUCTED FROM THE NEXT CURRENT ESTIMATE DUE TO THE CONTRACTOR.

THIS PROVISION SHALL APPLY TO ALL BLASTING RELATED TRAFFIC DELAYS CAUSED BY THE CONTRACTOR WHETHER A DIRECT OR INDIRECT RESULT OF THE CONTRACTOR'S CONSTRUCTION OPERATIONS.

IF THE CONTRACTOR'S BLASTING OPERATIONS CAUSE A TRAFFIC DELAY IN EXCESS OF 15 MINUTES, ALL FLAGGERS USED TO CONTROL TRAFFIC AS A RESULT OF THIS BLASTING RELATED TRAFFIC DELAY, SHALL BE AT HE CONTRACTOR'S EXPENSE.

BLASTING WILL BE PERMITTED ON THE ODD HOURS OF 9:00 A.M., 11:00 A.M., 1:00 P.M., AND 3:00 P.M.

EXCEPTIONS TO THE "ODD" HOUR DELAYS WILL BE CONSIDERED IN EMERGENCY SITUATIONS SUCH AS THE THREAT OR ACTUAL OCCURANCE OF SEVERE WEATHER, WHICH COULD RESULT IN HAZARDOUS SAFETY CONDITIONS.

UTILITIES

THE CONTRACTOR SHALL CONTACT THE CHARLESTON SANITARY BOARD (304) 348-6876 24 HRS. PRIOR TO BEGINNING WORK.

CORPORATION LIMITS

THIS PROJECT IS WITHIN THE CORPORATION LIMITS OF THE CITY OF CHARLESTON.

PAVEMENT INLETS

THE TOP 12" OF ALL PAVEMENT DRAINAGE INLETS IS TO BE CAST IN PLACE. THE INLETS ARE TO BE CAST IN A MANNER THAT WILL MATCH THE FINAL PAVEMENT SLOPE.

DESIGN ESAL VALUE (HMA)

THE DESIGN ESAL VALUE ON THIS PROJECT SHALL BE IN THE 30 - 100 MILLION RANGE.

NIGHT WORK

ANY MACHINERY USED TO CONDUCT WORK BETWEEN THE HOURS OF 10:00 PM AND 6:00 AM SHALL BE EQUIPPED WITH OPERABLE MUFFLERS.

RUMBLE STRIPS

RUMBLE STRIPS WILL BE PLACED ON MAINLINE OUTSIDE SHOULDER ONLY.
SEE STANDARD DETAIL PVT 2.

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THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GENERAL NOTES

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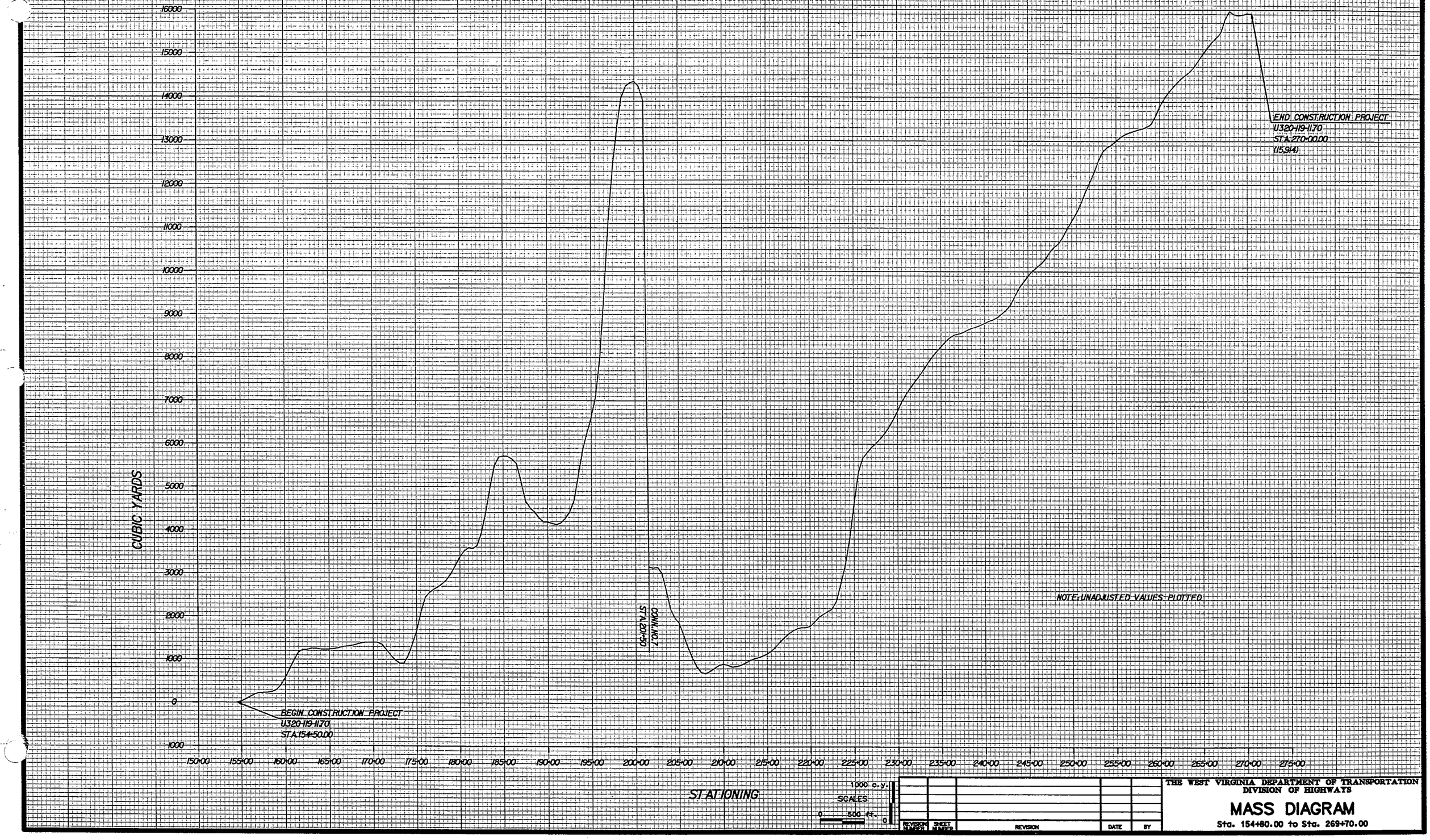
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	18	265



REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MASS DIAGRAM

Sta. 154+80.00 to Sta. 269+70.00

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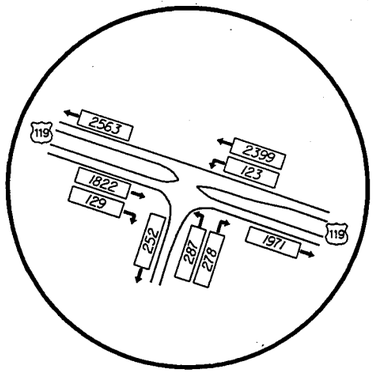
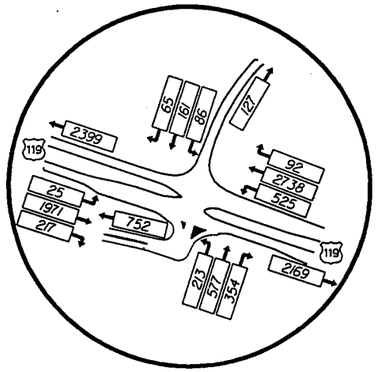
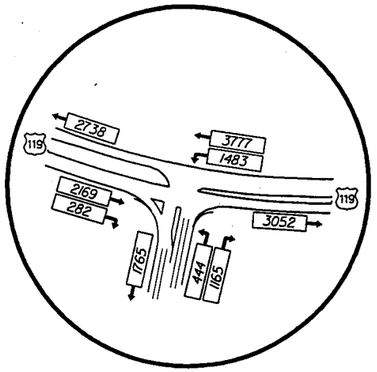
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	19	265



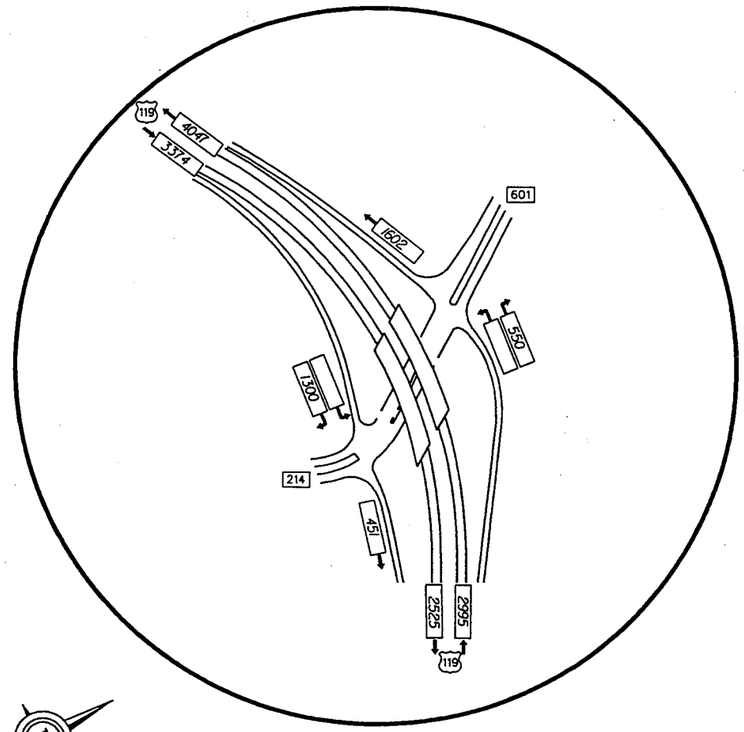
DETAIL A
PARKWAY DRIVE



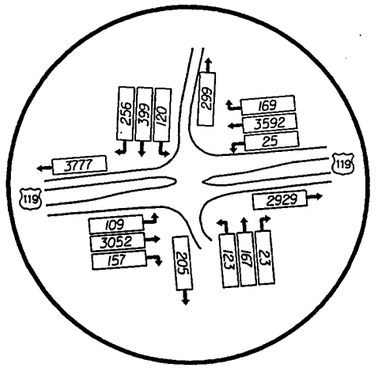
DETAIL B
ROUTE 214 CONNECTOR



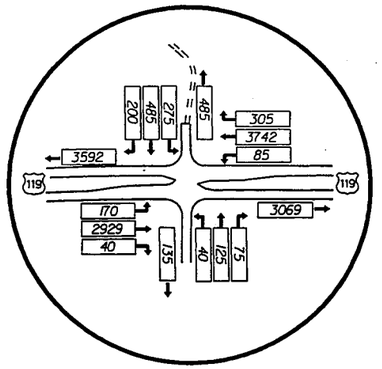
DETAIL C
SOUTHRIDGE BLVD.



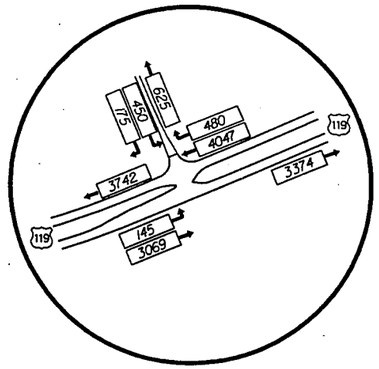
DETAIL G
JEFFERSON ROAD (WV 601)



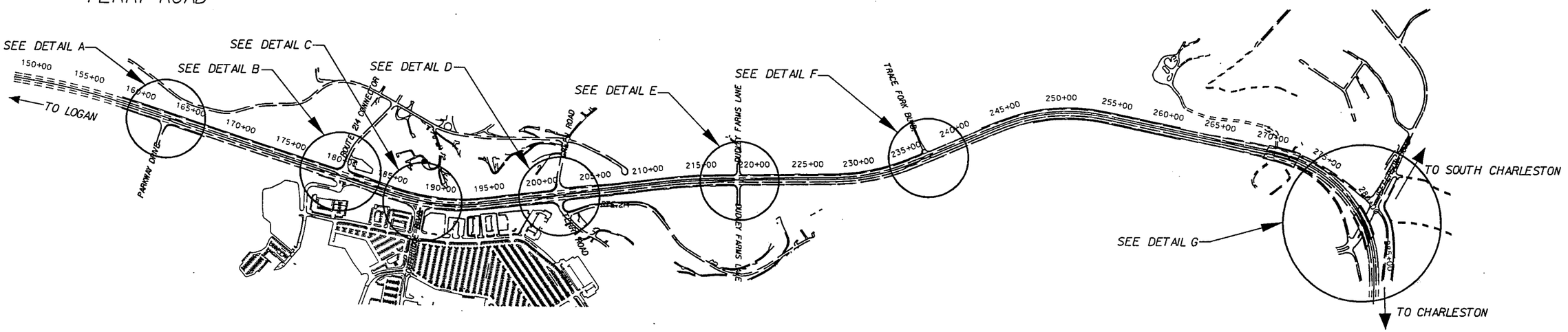
DETAIL D
GREEN ROAD
TERRY ROAD



DETAIL E
DUDLEY FARMS LANE



DETAIL F
TRACE FORK BLVD.



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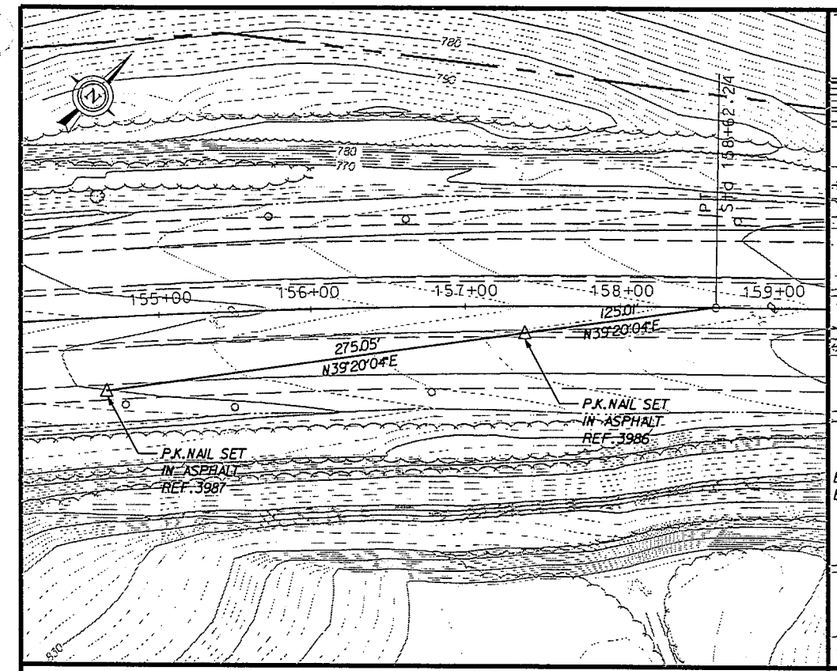
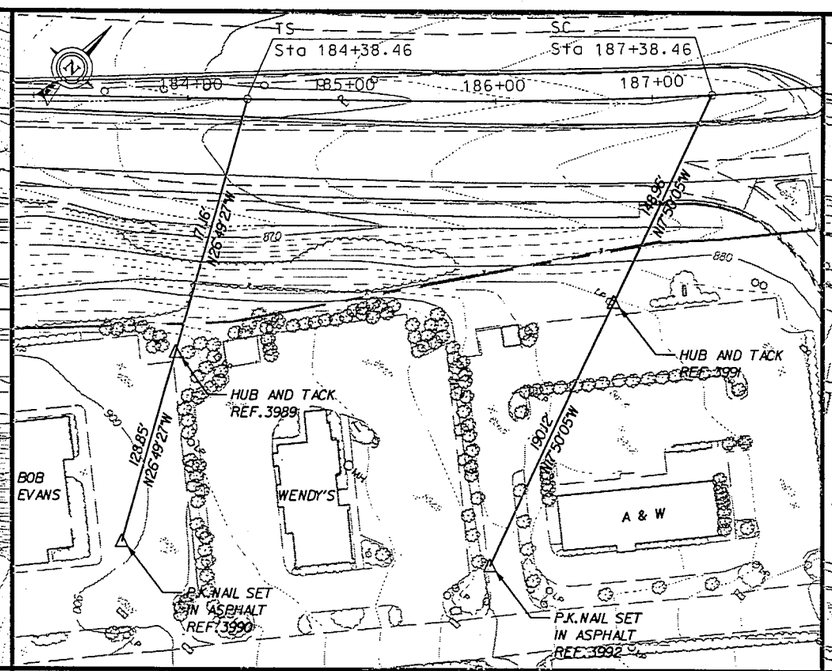
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

TRAFFIC SKETCH MAP
2020 DHV

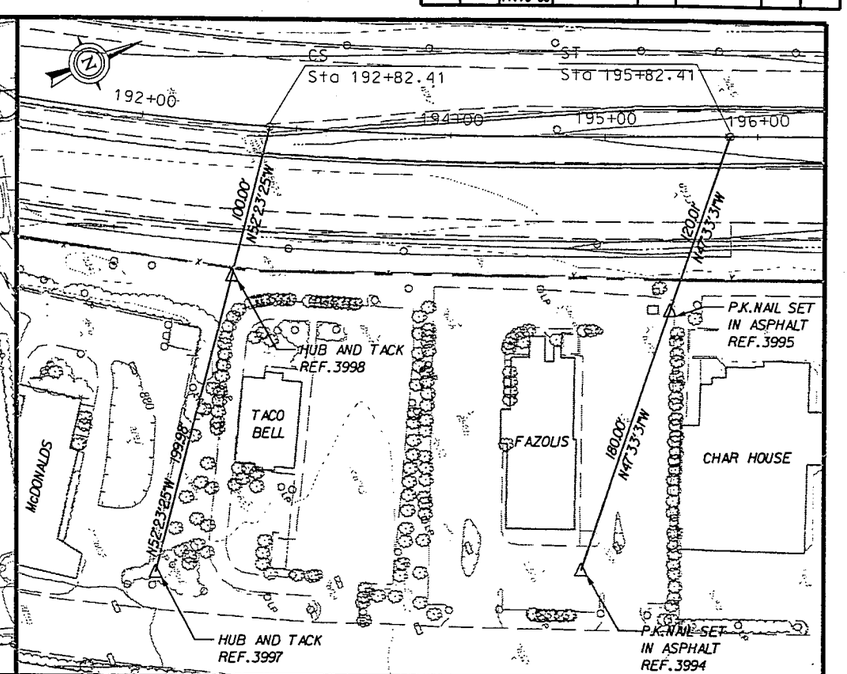
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	20	265



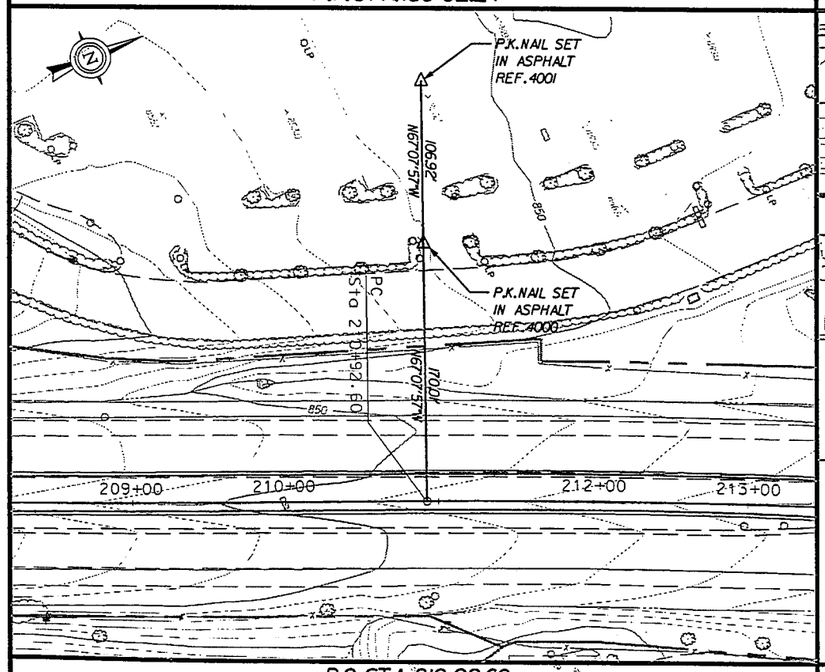
P.T. STA. 158+62.24



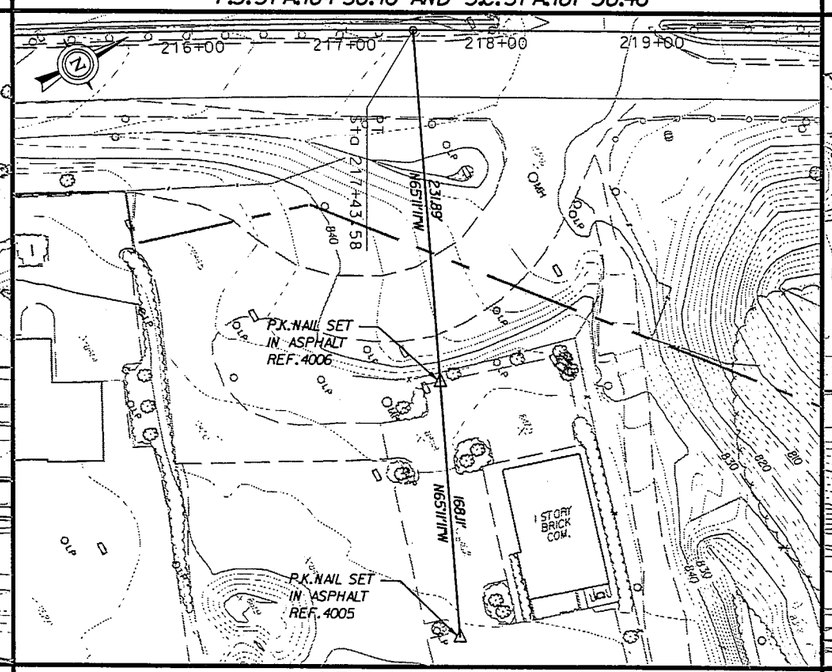
T.S. STA. 184+38.46 AND S.C. STA. 187+38.46



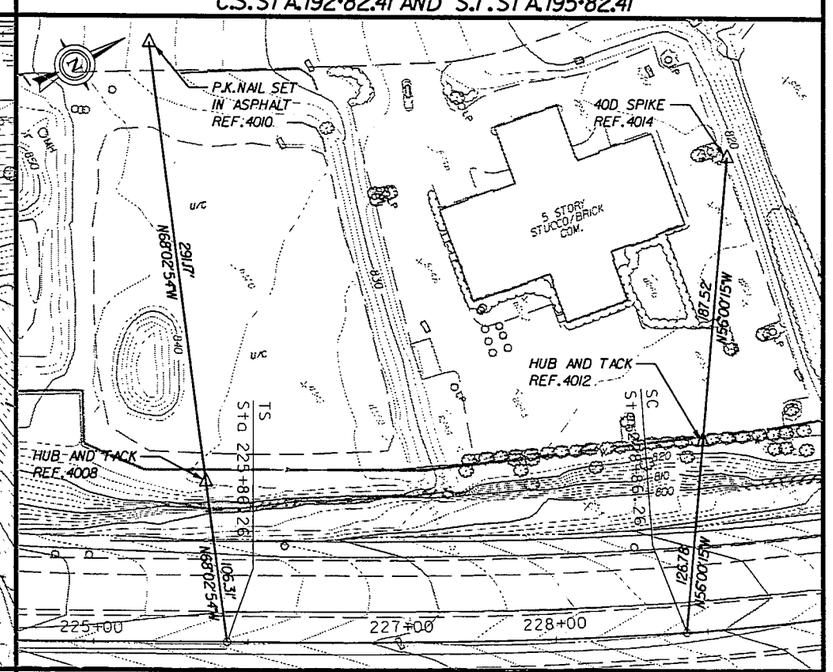
C.S. STA. 192+82.41 AND S.T. STA. 195+82.41



P.C. STA. 210+92.60



P.T. STA. 217+43.58



T.S. STA. 225+86.26 AND S.C. STA. 228+86.26

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
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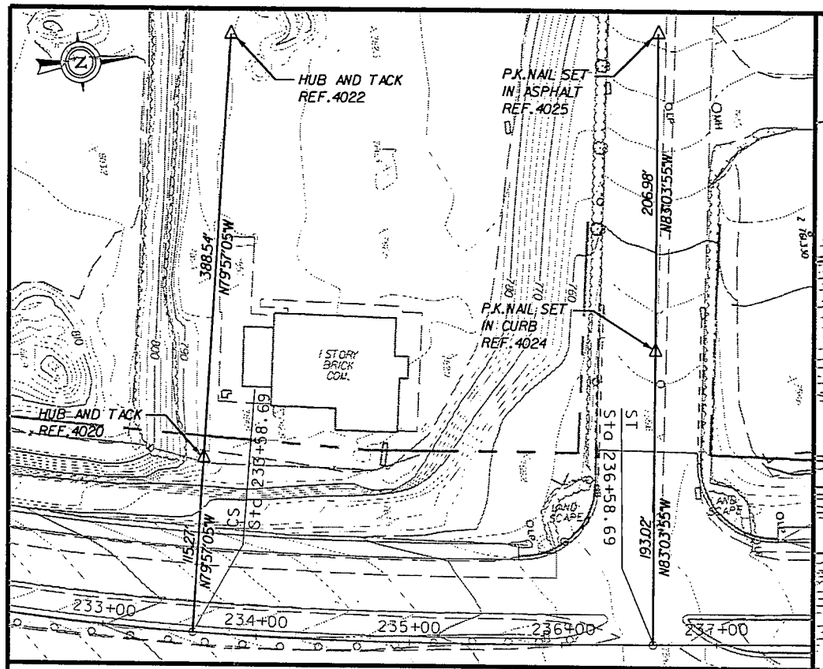
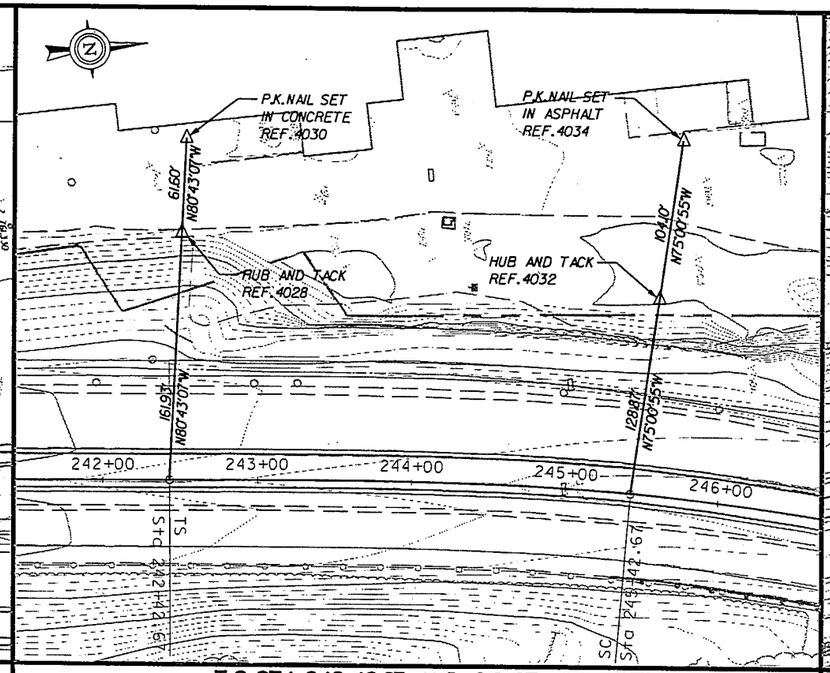
REFERENCE POINTS

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	21	265

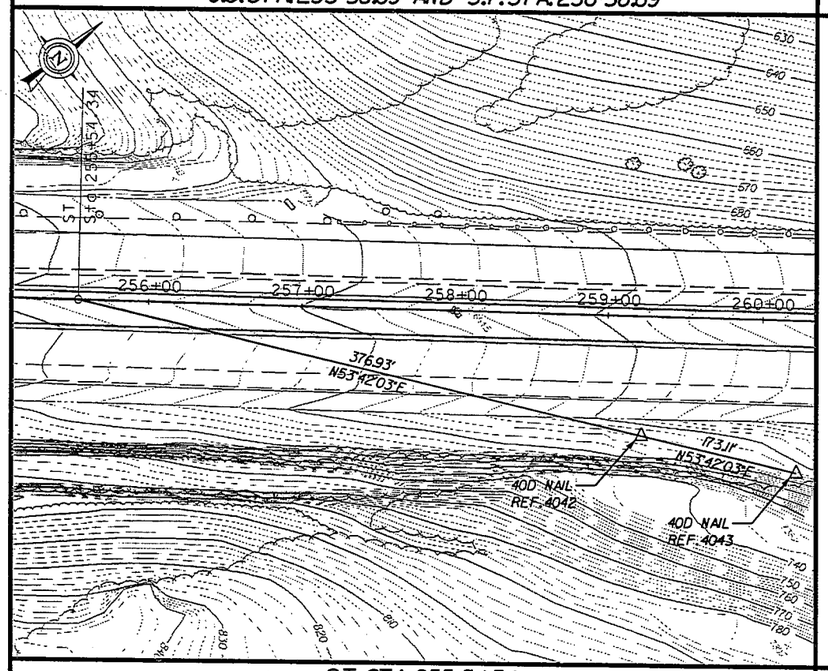


C.S. STA. 233+58.69 AND S.T. STA. 236+58.69



T.S. STA. 242+42.67 AND S.C. STA. 245+42.67

C.S. STA. 252+54.34



S.T. STA. 255+54.34

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

REFERENCE POINTS

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BENCHMARK "A"
STA.159-99.86, 93.94' LT.
⅝" REBAR SET
ELEV.= 774.93
N = 479730.9998
E = 1791905.9966

BENCHMARK "C"
STA.180-99.57, 152.55 RT.
⅝" REBAR SET
ELEV.= 861.48
N = 480946.1440
E = 1793636.0225

BENCHMARK "F"
STA.209-99.45, 98.81' LT.
⅝" REBAR SET
ELEV.= 856.67
N = 483549.2072
E = 1794905.0906

BENCHMARK "G"
STA.219-97.35, 154.60' LT.
⅝" REBAR SET
ELEV.= 845.85
N = 484477.5422
E = 1795309.1393

BENCHMARK "J"
STA.249-98.79, 91.32' RT.
RR SPIKE SET IN ROCK FACE
ELEV.= 731.93
N = 487189.4741
E = 1796395.8002

END CONSTRUCTION
STA.269+70.00
U.S. RTE. 19

145+00 150+00 160+00 170+00 180+00 190+00 200+00 210+00 220+00 230+00 240+00 250+00 260+00 270+00 280+00 290+00 297+09

BENCHMARK "K"
STA.260-02.27, 98.95' RT.
RR SPIKE SET IN ROCK FACE
ELEV.= 696.00
N = 487947.2743
E = 1797013.7375

BENCHMARK "I"
STA.239-99.37, 60.57' RT.
⅝" REBAR SET
ELEV.= 742.28
N = 486257.5123
E = 1796155.3004

BENCHMARK "H"
STA.229-96.79, 92.02' RT.
P.K. NAIL SET IN ROCK FACE
ELEV.= 796.05
N = 485247.3099
E = 1796002.6165

BEGIN CONSTRUCTION
STA.154+20.00

BENCHMARK "B"
STA.169-99.16, 64.15' RT.
CONC. NAIL SET IN SHOULDER
ELEV.= 806.60
N = 480278.9054
E = 1792756.5186

BENCHMARK "D"
STA.190-71.63, 94.74' RT.
⅝" REBAR SET
ELEV.= 882.86
N = 481698.2982
E = 1794292.4045

BENCHMARK "E"
STA.200-15.02, 131.53' RT.
⅝" REBAR SET
ELEV.= 883.22
N = 482552.7403
E = 1794734.1654

SCALE : 0 500 ft.

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THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
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BENCH MARKS

Public Roads Sys.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	23	265

N 4895000
E 1758000
N 4890000
E 1760000
N 4885000
E 1762000
N 4880000
E 1764000
N 4875000
E 1766000
N 4870000
E 1768000
N 4865000
E 1770000
N 4860000
E 1772000
N 4855000
E 1774000
N 4850000
E 1776000
N 4845000
E 1778000
N 4840000
E 1780000
N 4835000
E 1782000
N 4830000
E 1784000
N 4825000
E 1786000
N 4820000
E 1788000
N 4815000
E 1790000
N 4810000
E 1792000
N 4805000
E 1794000
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E 1796000
N 4795000
E 1798000
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E 1804000
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E 1888000
N 4565000
E 1890000
N 4560000
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N 4555000
E 1894000
N 4550000
E 1896000
N 4545000
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U.S.RTE.119 CURVE NO. 7
PI = 153+83.36
N = 479248.7037
E = 1791507.1677
Δ = 09°36'00.10" RT.
D = 1°00'00.00"
R = 5729.58'
L = 960.00'
T = 481.13'
SE = 0.029'/FT.
E = 20.17'

U.S.RTE.119
PC STA 149+02.23
N = 478872.8030
E = 1791206.8636

U.S.RTE.119
PT STA 158+62.24
N = 479569.2588
E = 1791855.9550

BEGIN PROJECT
STA. 154+20.00
N = 479262.1876
E = 1791547.8631

145+00
150+00
160+00
170+00
180+00
190+00
200+00
210+00
220+00
230+00
240+00
250+00
260+00
270+00
280+00
290+00
297+09

U.S.RTE.119
ST STA 195+82.41
N = 482205.4205
E = 1794444.6418

U.S.RTE.119
SC STA 187+38.46
N = 481491.2981
E = 1794005.4508

U.S.RTE.119
TS STA 184+38.46
N = 481285.6897
E = 1793787.1028

U.S.RTE.119
PC STA 210+92.60
N = 483596.5640
E = 1795032.3633

U.S.RTE.119
CS STA 192+82.41
N = 481932.2961
E = 1794320.7316

U.S.RTE.119
PT STA 217+43.58
N = 484180.5526
E = 1795319.1852

U.S.RTE.119
TS STA 225+86.26
N = 484914.6181
E = 1795733.0209

U.S.RTE.119
CS STA 233+58.69
N = 485628.2527
E = 1796017.6763

U.S.RTE.119
ST STA 236+58.69
N = 485925.4384
E = 1796058.0653

U.S.RTE.119
SC STA 228+86.26
N = 485179.6443
E = 1795873.4196

U.S.RTE.119
SC STA 245+42.67
N = 486802.9349
E = 1796163.2153

U.S.RTE.119
TS STA 242+42.67
N = 486505.9576
E = 1796121.5343

U.S.RTE.119
CS STA 252+54.34
N = 487448.2483
E = 1796419.7666

U.S.RTE.119
TS STA 255+54.34
N = 487678.3190
E = 1796642.1213

U.S.RTE.119
TS STA 268+73.97
N = 488664.4083
E = 1797519.0839

END PROJECT
STA. 269+70.00
N = 488735.9498
E = 1797583.1390

U.S.RTE.119
SC STA 272+73.97
N = 488946.9657
E = 1797801.4464

U.S.RTE.119
CS STA 284+81.72
N = 489110.5387
E = 1798942.4024

U.S.RTE.119
ST STA 288+81.72
N = 488918.6937
E = 1799292.7776

U.S.RTE.119 CURVE NO. 8
PI = 190+17.85
N = 481671.7098
E = 1794219.1631
Δc = 16°19'06.01" LT.
D = 3°00'00.00"
R = 1909.86'
L = 543.94'
T = 273.83'
SE = 0.067'/FT.
E = 19.53'
Ts = 579.39'
Ls = 300.00'
θs = 4°29'59.99"
Es = 49.60'
p = 1.96'
k = 149.97'
Xc = 299.81'
Yc = 7.85'
LT. = 200.06'
ST. = 100.06'
LC. = 299.92'
Δ = 25°19'06.00" LT.

U.S.RTE.119 CURVE NO. 9
PI = 214+18.44
N = 483896.7139
E = 1795159.1688
Δ = 06°30'34.99" RT.
D = 1°00'00.00"
R = 5729.58'
L = 650.97'
T = 325.84'
SE = 0.029'/FT.
E = 9.29'

U.S.RTE.119 CURVE NO. 10
PI = 231+28.20
N = 485386.7071
E = 1795999.1651
Δc = 14°10'23.01" LT.
D = 3°00'00.00"
R = 1909.86'
L = 472.44'
T = 237.43'
SE = 0.067'/FT.
E = 14.70'
Ts = 541.94'
Ls = 300.00'
θs = 4°29'59.99"
Es = 41.73'
p = 1.96'
k = 149.97'
Xs = 299.81'
Ys = 7.85'
LT. = 200.06'
ST. = 100.06'
LC. = 299.92'
Δ = 23°10'23.00" LT.

U.S.RTE.119 CURVE NO. 11
PI = 249+15.93
N = 487175.2294
E = 1796194.7067
Δc = 24°54'29.95" RT.
D = 3°30'00.02"
R = 1637.02'
L = 711.57'
T = 361.54'
SE = 0.067'/FT.
E = 39.45'
Ts = 673.26'
Ls = 300.00'
θs = 5°15'00.03"
Es = 83.79'
p = 2.29'
k = 149.96'
Xs = 299.75'
Ys = 9.16'
LT. = 200.09'
ST. = 100.08'
LC. = 299.89'
Δ = 35°24'30.00" RT.

CURVE NO. 12
PI = 280+46.84
N = 489540.8252
E = 1798298.5111
Δc = 60°23'14.28" RT.
D = 4°59'59.93"
R = 1145.92'
L = 1207.75'
T = 666.77'
SE = 0.067'/FT.
E = 179.87'
Ts = 1172.87'
Ls = 400.00'
θs = 9°59'59.86"
Es = 361.84'
p = 5.81'
k = 199.80'
Xs = 398.78'
Ys = 23.22'
LT. = 267.09'
ST. = 133.72'
LC. = 399.46'
Δ = 80°23'14.00" RT.

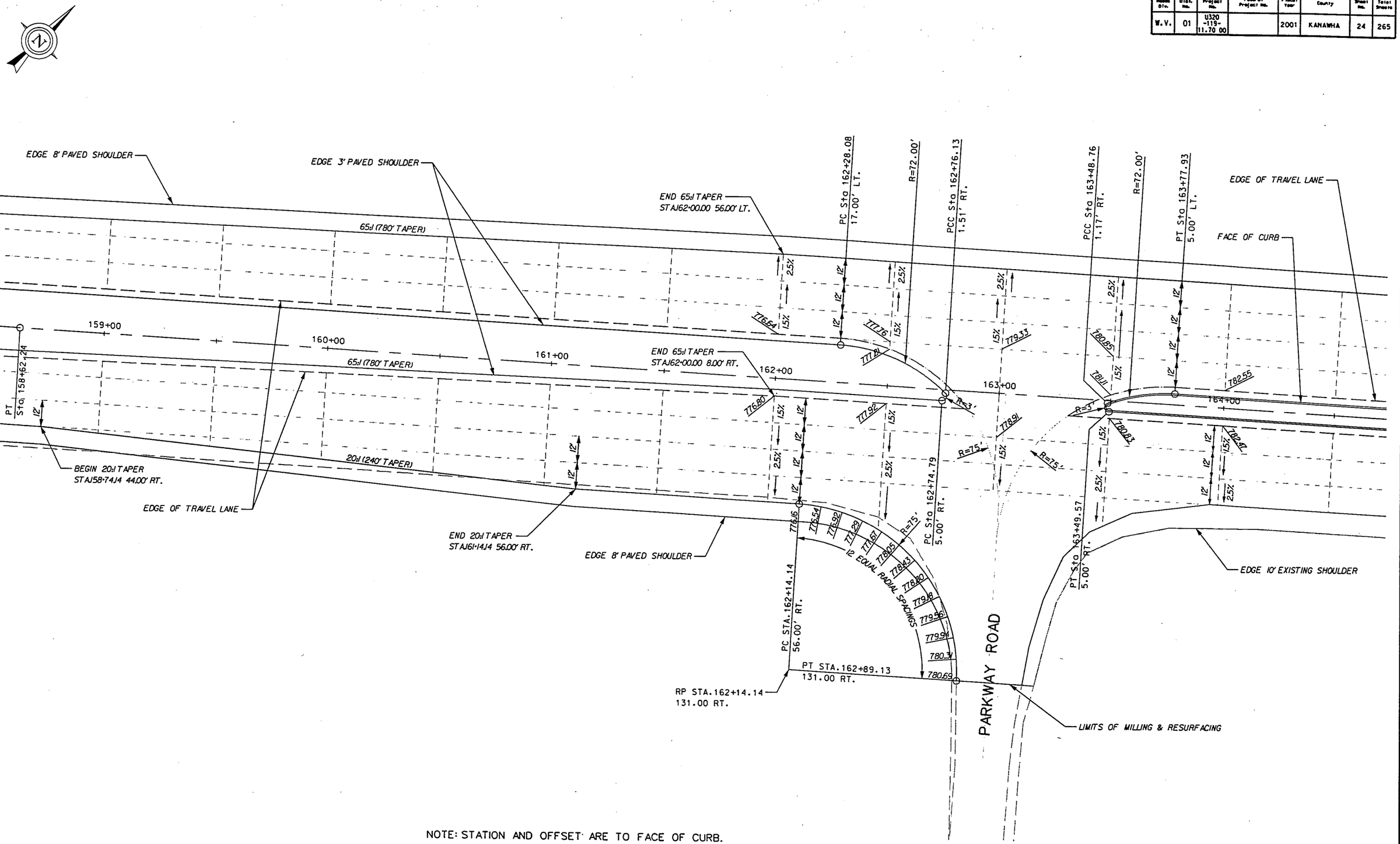
SCALE : 0 500 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOMETRIC LAYOUT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	24	265



NOTE: STATION AND OFFSET ARE TO FACE OF CURB.
ELEVATIONS ARE TO EDGE OF TRAVEL LANE

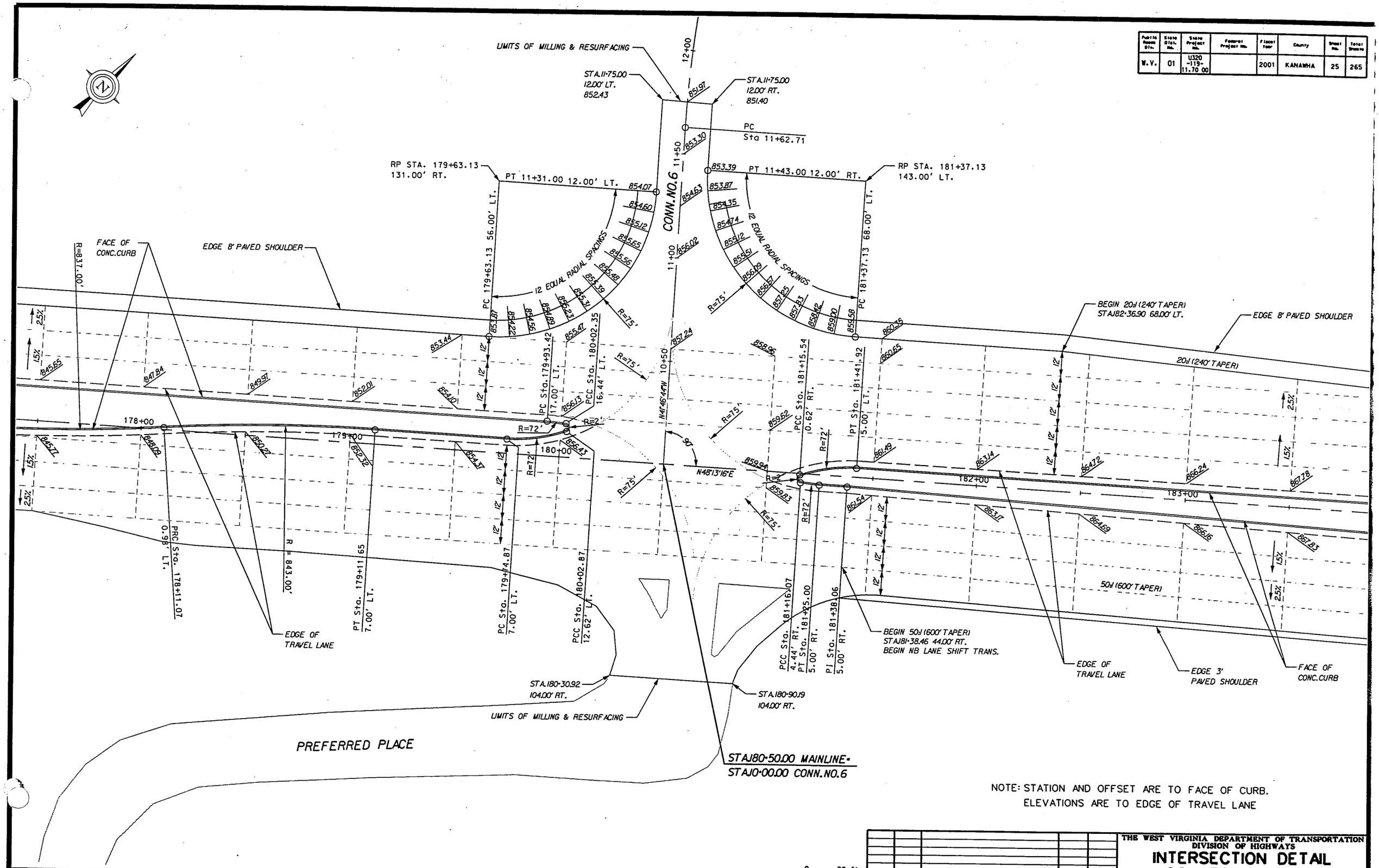
SCALE : 0 20 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

INTERSECTION DETAIL
PARKWAY ROAD

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	25	265



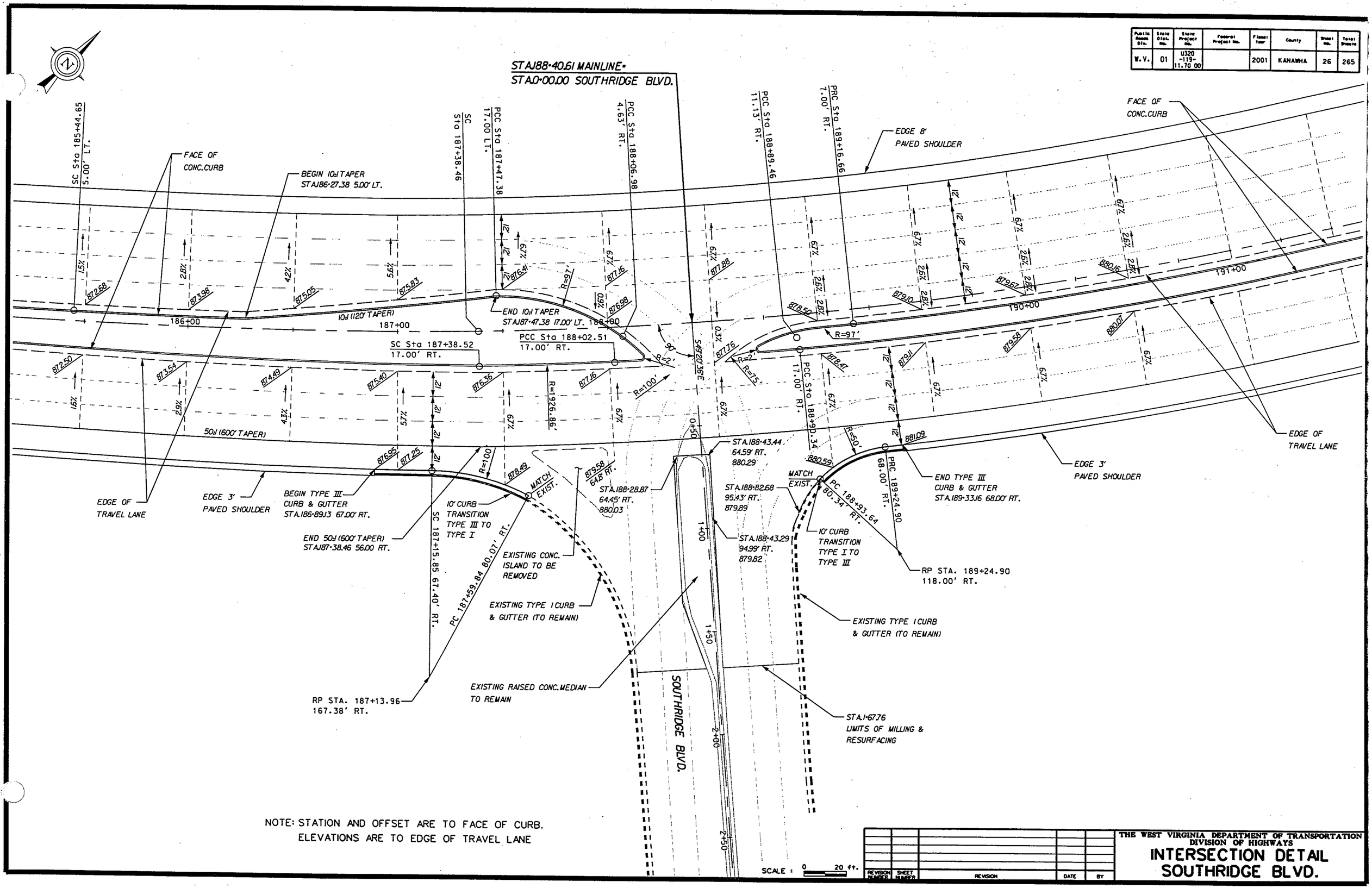
NOTE: STATION AND OFFSET ARE TO FACE OF CURB.
ELEVATIONS ARE TO EDGE OF TRAVEL LANE

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

INTERSECTION DETAIL CONNECTION NO. 6

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	26	265



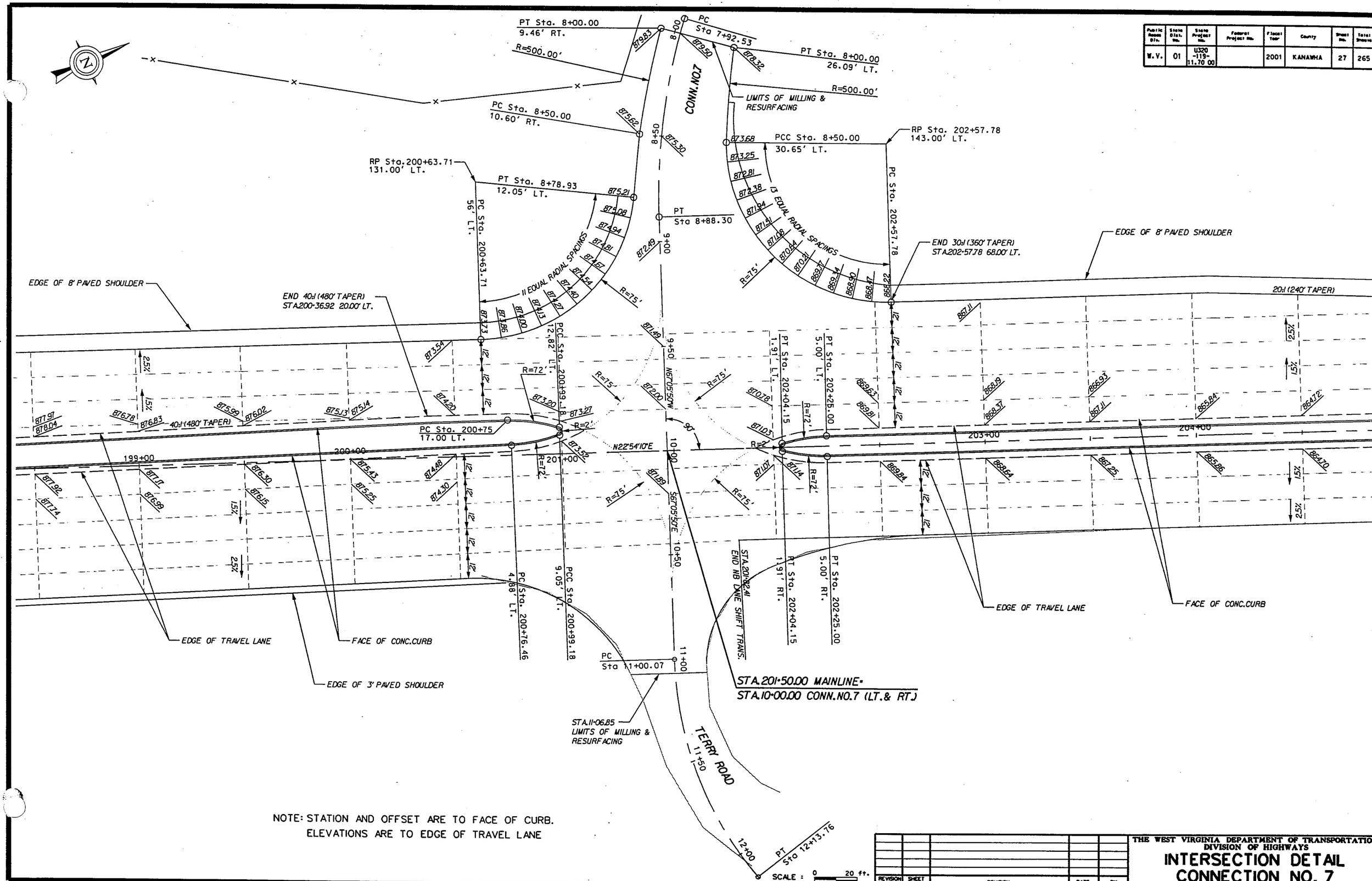
NOTE: STATION AND OFFSET ARE TO FACE OF CURB.
ELEVATIONS ARE TO EDGE OF TRAVEL LANE

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

INTERSECTION DETAIL SOUTHRIDGE BLVD.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	27	265



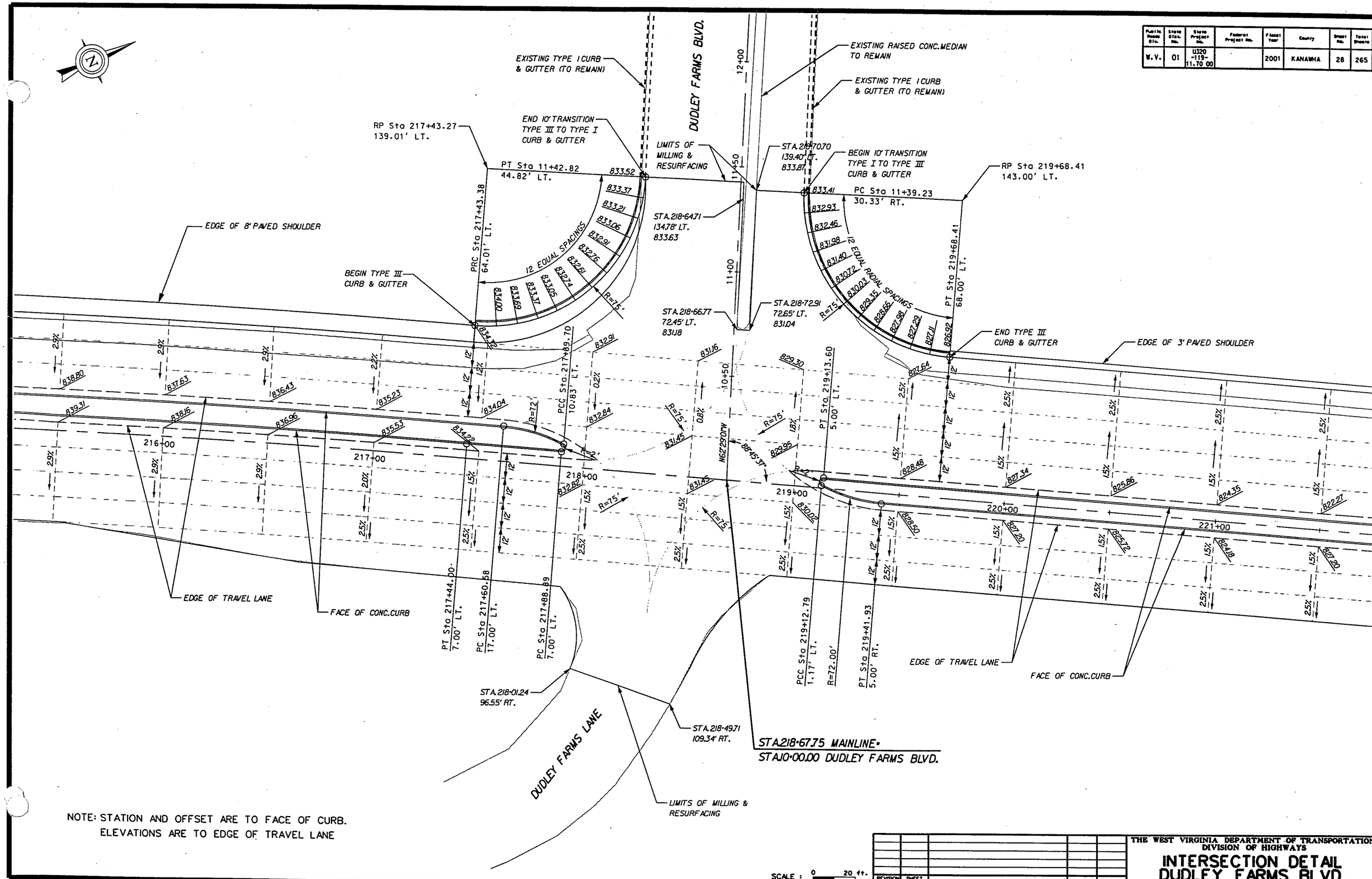
NOTE: STATION AND OFFSET ARE TO FACE OF CURB.
ELEVATIONS ARE TO EDGE OF TRAVEL LANE

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

INTERSECTION DETAIL CONNECTION NO. 7

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	28	265



NOTE: STATION AND OFFSET ARE TO FACE OF CURB.
ELEVATIONS ARE TO EDGE OF TRAVEL LANE

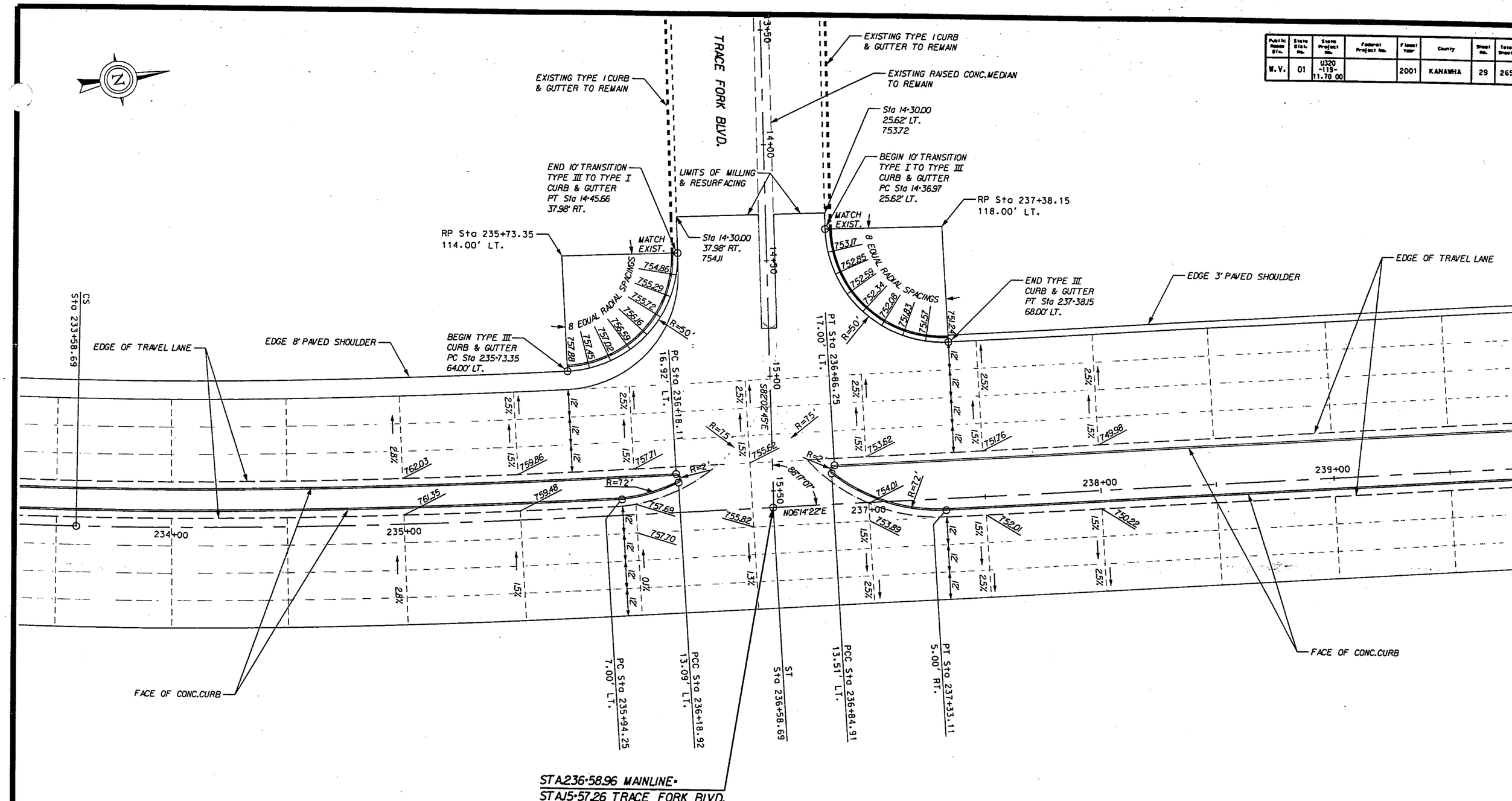
SCALE : 0 20 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

INTERSECTION DETAIL DUDLEY FARMS BLVD.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	29	265



NOTE: STATION AND OFFSET ARE TO FACE OF CURB.
ELEVATIONS ARE TO EDGE OF TRAVEL LANE

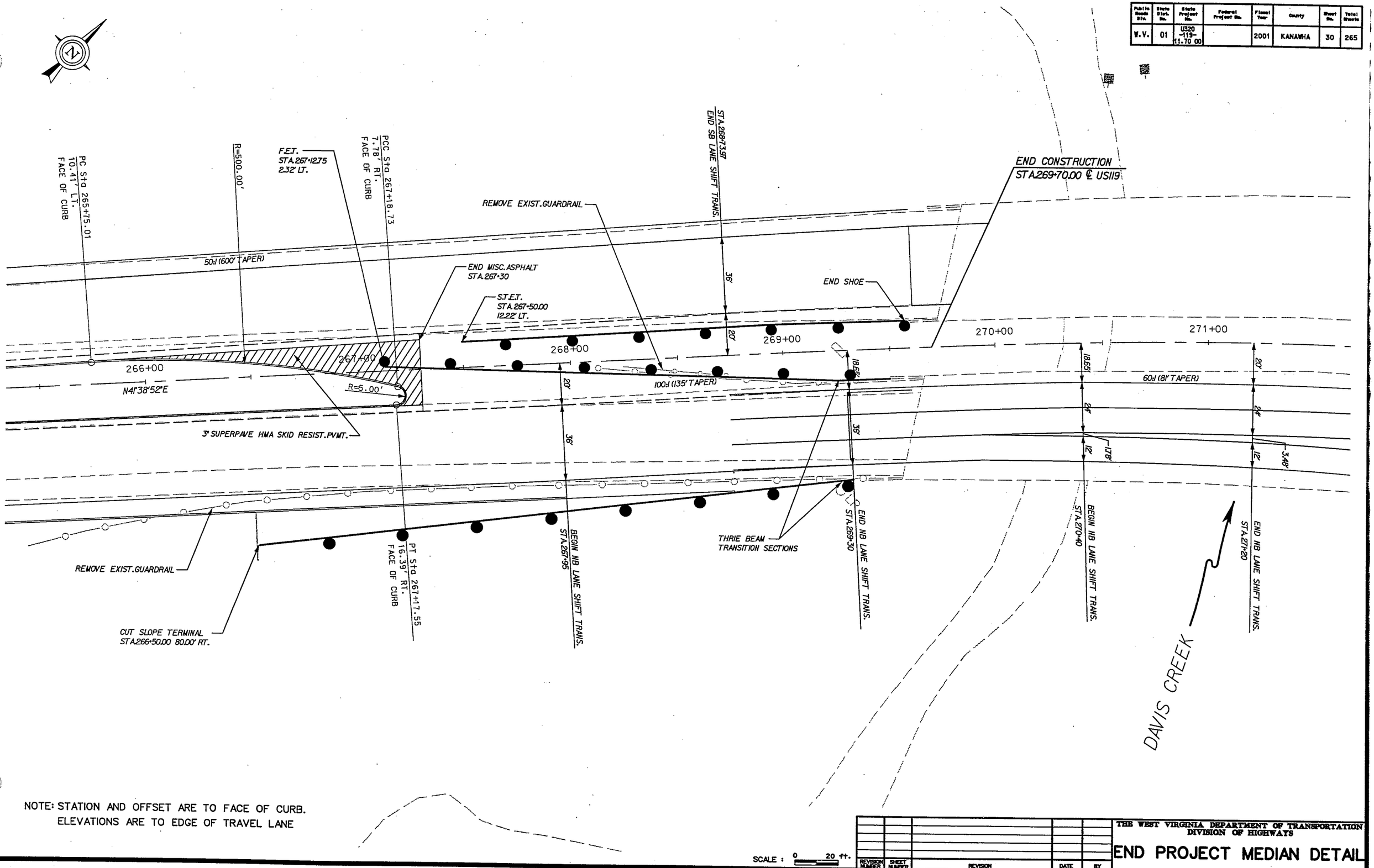
SCALE : 0 20 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

INTERSECTION DETAIL
TRACE FORK BLVD.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	30	265



NOTE: STATION AND OFFSET ARE TO FACE OF CURB.
ELEVATIONS ARE TO EDGE OF TRAVEL LANE

SCALE : 0 20 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

END PROJECT MEDIAN DETAIL

Public Roads Sta.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00		2001	Kanawha	31	265

MT-1

MAINTENANCE OF TRAFFIC SUMMARY

ITEM NO.	DESCRIPTION	QUANTITY UNIT	QUANTITY TOTAL
636002-002	Aggregate for Maintaining Traffic, Slag	Ton	- -
636002-001	Aggregate for Maintaining Traffic, Stone or Gravel	Ton	- -
636003-001	Bituminous Material for Dust Pallative	Gal.	- -
636004-001	Calcium Chloride for Dust Pallative	Ton	- -
636005-001	Temporary Structure for Maintaining Traffic	L.S.	- -
636006-001	Pilot Truck and Driver	Day	- -
636007-001	Eradication of Pavement Marking	L.F.	50,000
636008-001	Temporary Pavement Markings - Paint 4" Solid Line	L.F.	95,504
636009-001	Temporary Pavement Markings - Tape 4" Solid Line	L.F.	1,154
636010-001	Temporary Raised Pavement Markers Type	Each	- -
636011-001	Traffic Control Device	Unit	39,500
636012-010	Project Traffic Control Device Cleaning	Each	3
636013-001	Individual Traffic Control Device Cleaning	Each	500
636014-001	Flagger	Hr.	900
636014-002	Traffic Director *	Hr.	200
636015-001	Temporary Guardrail Channelization Device	L.F.	- -
636017-001	Temporary Concrete Barrier	L.F.	21,100
636017-002	DOH Furnished Tempoarary Concrete Barrier	L.F.	- -
636018-001	Remove and Reset Tempoarary Concrete Barrier	L.F.	6,900
636018-002	Remove and Reset DOH Furnished Temp. Concrete Barrier	L.F.	- -
636019-001	Tempoarary Guardrail Barrier	L.F.	- -
636020-001	Remove and Reset Tempoarary Guardrail Barrier	L.F.	- -
636021-001	Electric Arrow	Day	- -
636022-001	Changeable Message Sign	Day	360
636023-001	Temporary Traffic Signal **	L.S.	- -
636024-001	Temporary Pipe for Maintaining Traffic	L.F.	- -
636025-001	Warning Lights, Type A	Day	0
636025-001	Warning Lights, Type B	Day	3,838
636025-001	Warning Lights, Type C	Day	33,800
636026-001	Temporary Lighting	L.S.	- -
636028-001	Shadow Vehicle	Day	- -
664001-008	Impact Attenuating Device, Type IV	Each	15
664001-009	Remove and Reset G.R.E.A.T. Attenuation Device	Each	9

* AT THE DIRECTION OF THE ENGINEER.
** SEE SIGNAL PLANS.

TRAFFIC CONTROL DEVICE QUANTITIES

DEVICE	DESCRIPTION	VALUE IN UNITS	QUANTITY	TOTAL UNITS
*1	SIGNS ON PORTABLE MOUNTS AND BARRICADES. (Total Sign Area 16 S.F. or Greater.)	170	25	4,250
*2	SIGNS ON PORTABLE MOUNTS AND BARRICADES. (Total Sign Area Less Than 16 S.F.)	30	30	2,400
*3	SIGNS ON PERMANENT POSTS. (Total Sign Area 16 S.F. or Greater.)	180	55	9,900
*4	SIGNS ON PERMANENT POSTS. (Total Sign Area Less Than 16 S.F.)	90	30	2,700
**5	BARRICADES - Type I	35	0	0
**6	BARRICADES - Type II	60	0	0
**7	BARRICADES - Type III	90	10	900
**8	DRUMS	60	220	13,200
9	CONES	5	200	1,000
10	VERTICAL PANELS OR GROUND MOUNTED DELINEATORS.	10	0	0
11	BARRIERS OR GUARDRAIL MOUNTED DELINEATORS. (To Be Bid Incidental To The Cost of The Barrier or Guardrail.)	0	14,000	0
12	TEMPORARY OVERLAYS AND TEMPORARY OVERSIZE SIGNS	300	0	0
		SUBTOTAL		34,350
		15% OF SUBTOTAL (TO BE USED AT THE DIRECTION OF THE ENGINEER.)		5,150
		TOTAL		39,500

* - ORANGE SIGN SHEETING TO BE REFLECTIVE FLOURESCENT ORANGE, TYPE V

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

PHASE 1 (SEE SHEETS MT-2 THROUGH MT-15)

1. Maintain traffic on existing pavement, as shown on plans.
2. Place all maintenance of traffic signs at the locations shown on the plans. Eradicate existing pavement markings from station 155+00 to station 272+70, northbound and from station 180+00 to station 205+00, and from station 242+50 to station 272+50 southbound. Place temporary pavement markings using 11 foot lanes, measuring from existing edge of pavement of the existing median and measuring outward. Place all necessary traffic control devices such as drums, temporary concrete barriers, etc. as shown on plans.
3. Construct all improvements along or outside the existing edges of pavement, including blasting, construction of the detention basin, roadside drainage and pavement widening, excluding final surface. Match elevations of existing pavement.

PHASE 2 (SEE SHEETS MT-16 THROUGH MT-29)

1. Maintain traffic on existing and widened pavement, as shown on plans.
2. Place all maintenance of traffic signs at the locations shown on the plans. Eradicate existing pavement markings from station, 149+00 to 272+70, northbound and from station 272+70 to station 149+00, southbound. Install temporary pavement markings using 12 foot lanes as shown on the plans. Place all necessary traffic control devices, such as drums, etc. as shown on plans.
3. Construct all improvements in the median, excluding final surface. Match elevations of existing pavement.

PHASE 3 - FINAL SURFACING

1. Place temporary pavement markings in the same locations as the final pavement markings.
2. Place final surfacing on the entire project, including connector tie-ins.
3. Signs - Use cases A-3, A-4 and A-6 as necessary.
4. Place final pavement markings and signs. Use case D-4 as necessary.
5. Open roadway.

OVERHEAD SIGN AND PAVING

1. When setting full span or half span overhead signs over US 119, completely prepare site for setting box trusses, then stop traffic using CASE E6 and moving flaggers and traffic director for a maximum of 15 minutes during off peak hours as designated by the engineer.
2. When paving US 119 (Nightime Only 10:00 P.M. to 6:30 A.M.), use CASE E6 and Moving Flaggers and Traffic Director (Devices only paid once for each direction). Use "BUMP" and "UNEVEN LANES" Signs as necessary.

MAINTENANCE OF TRAFFIC NOTES

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, the Contract Documents and the Contract Plans are the governing provisions applicable to this project, and the manual, "Traffic Control for Street and Highway Construction and Maintenance Operations," November 1994: which is made a part of this contract and the traffic plan for individual segments as described below:
2. The quantities of traffic control devices have been increased by 15 percent for use as directed by the Engineer when unanticipated changes in the traffic control plan occur.
3. Reflective sheeting on temporary traffic control devices shall be of new condition at beginning of the project life. Night visibility and legibility shall be maintained.
4. Access to all houses and businesses must be available at all times.

   NOTE A: Must maintain two-way, two-lane traffic overnight, on weekends or holidays on all side roads with no more than one lift difference in elevation (two inches + or -) between adjacent lanes.

   NOTE B: Two-way, two-lane traffic must be maintained from 6:30 A.M. to 10:00 P.M. on mainline US 119. If the Contractor fails to do so, he shall be assessed a penalty of $850.00 per minute for each minute beween 0 minutes and 60 minutes and $650.00 per minute thereafter. The Engineer shall document the length of each traffic delay caused by the contractor. If a penalty is assessed, it shall be deducted from the next current estimate due to the contractor. For blasting related delays, see General Notes sheet number 17.
5. 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.
6. TEMPORARY TAPE: All temporary tape shall be mechanically applied. Solid lines shall have a two inch gap every 50 feet.
7. Any ELECTRIC ARROWS shall have a minimum of 1,000 feet sight distance.
8. All TEMPORARY CONCRETE BARRIER 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' centers.
9. All TEMPORARY IMPACT ATTENUATORS shall be Type IV, 2'-0" Wide, 6-Bay, Bidirectional with appropriate backup per the Manufacturer's recommendations. Any Temporary Impact Attenuator suffering damage shall be repaired or replaced as appropriate within 24 hours. Such operations, to include all repair parts necessary and costs shall be bid incidental to Item 664001-008.
   NOTE: Contractor may substitute Quad Guard CZ, Type VIII, 2'-0" wide, 6-Bay, Bidirectional with appropriate backup per the Manufacturer's recommendations for the abovementioned Type IV Device. ALSO: Any new device purchased shall be Type VIII.
10. NOTICE TO CONTRACTORS
    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 lane closures, working plan, and storage areas, this plan shall be presented to the Engineer in writing for his approval.
11. SPECIAL PROVISION FOR MOVING FLAGGER
    All flaggers shall be furnished by the Contractor and all floggers shall be his responsibility. Where 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 Floggers when they are out of sight with each other.
12. EXISTING SIGNS AND DELINEATORS
    Any such existing facilities relocated, removed, or damaged by the Contractor shall be replaced to its original condition by the Contractor at his expense as part of Item 636011-001, unless replaced by final signing.
13. WHEN COVERING EXISTING SIGNS, THE CONTRACTOR HAS THE OPTIONS OF USING:
    A. Heavy Duty Black Overlay (Plastic or Burlap Type)
    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.
14. CHANGEABLE MESSAGE SIGNS
    Any Changeable Message Signs used on this project shall conform to Subsection 636.19 of the current Specifications, current Supplemental Specifications and the Special Provisions which are made a part of these plans. These signs shall be manufactured by ADDCO, Winkomatic, or an approved equal. For messages allowed, contact Traffic Engineering Division in Charleston at (304)558-3063. Two such signs have been provided for this project - One for each direction.
15. WINTER SHUTDOWN
    The project area and attendant roadway (travellanes 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. Traffic Control Devices that are not needed or desired shall be either removed or covered and all such shall be bid incidental to Item 636011-001.
16. A. Use "BUMP" and "UNEVEN LANES" signs as necessary.
    B. Use "LOW SHOULDER" signs at approx. 500' spacing when difference in elevation is up to two inches: If greater than two inches, use drums at 25' spacing and "SHOULDER DROPOFF" signs at approx. 500' spacing.
    C. There will be no more than one lift difference in elevation between adjacent lanes.

MT-1

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES & MAINTENANCE OF TRAFFIC NOTES

u:\99191\mot\motnotes.dgn Jun. 21, 2000 13:30:45

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	32	265

MT-2

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-2

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1

u:\99191\mot\mt-02.dgn Jun. 20, 2000 14:50:57

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00		2001	KANAWHA	33	265

MT-3

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE CHANNELIZING LINE

RTE. 214

TEMPORARY CONCRETE BARRIER

60" CMP

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID YELLOW EDGE LINE

MATCHLINE - STA. 163+00

MATCHLINE - STA. 178+00

165+00

170+00

175+00

24" CMP

24" CMP

24" CMP

24" CMP

36" CMP

36" CMP

18" CMP

STA. 165+00

SPEED LIMIT 45 WORK ZONE

R2-1M (36"X60")

STA. 171+00

LANE SHIFT 1000 FT

W20-11 (2) (48")

EXISTING STRIPING TO REMAIN IN THIS AREA

PARKWAY ROAD

STA. 163+25 - 300' RT.

ROAD WORK AHEAD

W21-4 (48")

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

MT-3

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

u:\99191\mot\mt-03.dgn Jun. 20, 2000 14:51:09

Public Access Rte.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	34	265

MT-4

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

IMPACT ATTENUATING DEVICE, TYPE IV

STA. 179+39
END TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

MATCHLINE - STA. 178+00

STA. 178+40 - 130' RT.

ROAD WORK AHEAD
W21-4 (48")

STA. 179+00
W20-12L (2) (48")

PREFERRED PLACE

EX. STRIPING TO REMAIN

STA. 180+50 MAINLINE =
STA. 10+00 CONN. NO. 6

STA. 180+10
BEGIN DRUMS

STA. 181+76
END DRUMS

IMPACT ATTENUATING DEVICE, TYPE IV

STA. 182+06
BEGIN TEMPORARY CONCRETE BARRIER

STA. 182+50

SPEED LIMIT 45 (WORK ZONE)
R2-1M (36"X60")

STA. 179+50

W21-4 (48")
ROAD WORK AHEAD

STA. 179+61
BEGIN DRUMS

STA. 11+00
END DRUMS

5 DRUMS

4 DRUMS

STA. 11+00 - OUTSIDE EDGE OF EX. PAVED SHOULDER
BEGIN DRUMS

STA. 181+34
END DRUMS
BEGIN CONCRETE BARRIER

4 DRUMS

TEMPORARY CONCRETE BARRIER

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LANE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE CHANNELIZING LINE

TEMPORARY CONCRETE BARRIER

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

R2-1M (36"X60")
SPEED LIMIT 45 (WORK ZONE)

STA. 187+00

STA. 187+00
END TEMPORARY CONCRETE BARRIER
BEGIN DRUMS

STA. 0+80
END DRUMS

6 DRUMS

15' MINIMUM LEFT TURNING LANE TO BE MAINTAINED DURING REMOVAL OF CONCRETE ISLAND.

STA. 188+40.61 MAINLINE =
STA. 0+00.00 SOUTHRIDGE BLVD.

SOUTHRIDGE BLVD.

MATCHLINE - STA. 191+50

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

4 DRUMS

STA. 189+29
END DRUMS

STA. 1+00
BEGIN DRUMS

STA. 190+00

SPEED LIMIT 45 (WORK ZONE)
R2-1M (36"X60")

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMPORARY CONCRETE BARRIER

STA. 189+46
BEGIN TEMPORARY CONCRETE BARRIER

STA. 2+86

ROAD WORK AHEAD
W21-4 (48")

IMPACT ATTENUATING DEVICE, TYPE IV

STA. 4+00

ROAD WORK AHEAD
W21-4 (48")

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY CONCRETE BARRIER

4 DRUMS

STA. 185+00

STA. 190+00

STA. 1+00

STA. 2+00

STA. 3+15

18" CMP

24" CMP

54" CMP

48" CMP

4' U.D.

6' CMP

SCALE : 0 50 ft.

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THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1

MT-4

u:\99191\mot\mt-04.dgn Jun. 20, 2000 14:51:20

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	35	265

MT-5

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMPORARY PAVMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY CONCRETE BARRIER

MATCHLINE - STA. 191+50

IMPACT ATTENUATING DEVICE, TYPE IV

W21-4 (48") ROAD WORK AHEAD

STA. 6+50

R2-1M (36"X60") WORK ZONE SPEED LIMIT 45

STA. 7+75 BEGIN DRUMS

STA. 199+50

STA. 8+00 END TEMPORARY CONCRETE BARRIER

4+70

6+00

7+00

8+00

9+00

RHL BOULEVARD

STA. 7+50 INSIDE EDGE OF EX. PAVED SHOULDER END DRUMS

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

STA. 8+00 BEGIN TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER

24" CMP

195+00

200+00

205+00

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY CONCRETE BARRIER

STA. 198+50

STA. 200+69 END TEMPORARY CONCRETE BARRIER BEGIN DRUMS

W20-12L (2) (48")

4 DRUMS

STA. 201+50.00 MAINLINE = STA. 10+00.00 CONN. NO. 7 (LT. & RT.)

STA. 11+00 INSIDE EDGE OF EX. PAVED SHOULDER END DRUMS

STA. 203+50

EX. STRIPING TO REMAIN

W21-1A (48")

STA. 11+50

R2-1M (36"X60") WORK ZONE SPEED LIMIT 45

RTE. 214

STA. 205+00

W21-4 (48") ROAD WORK AHEAD

TERRY ROAD

MATCHLINE - STA. 206+00

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE CHANNELIZING LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

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MT-5

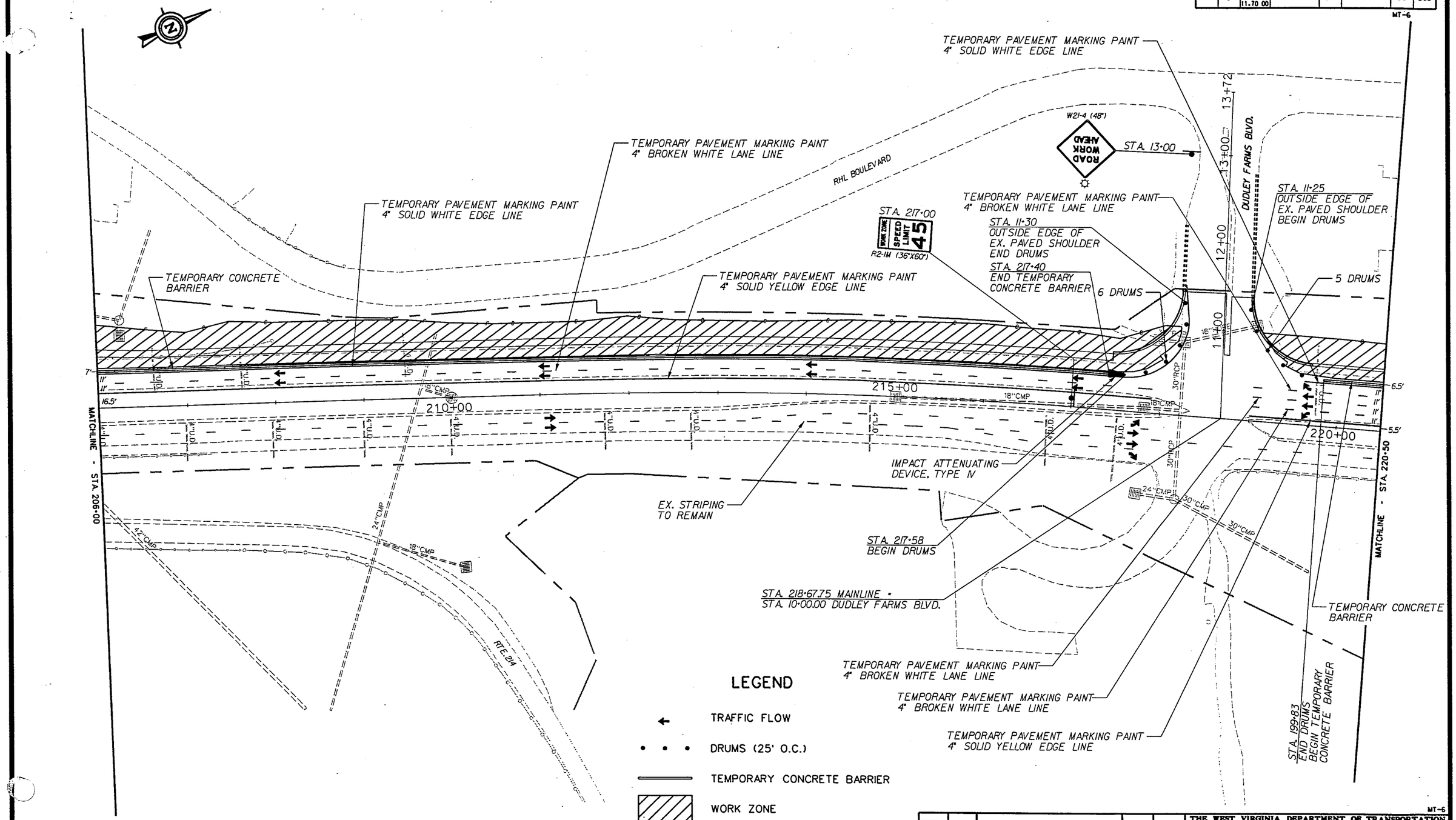
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC PHASE 1

u:\99191\mot\mt-05.dgn Jun. 20, 2000 14:51:34

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	36	265

MT-6



MT-6

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

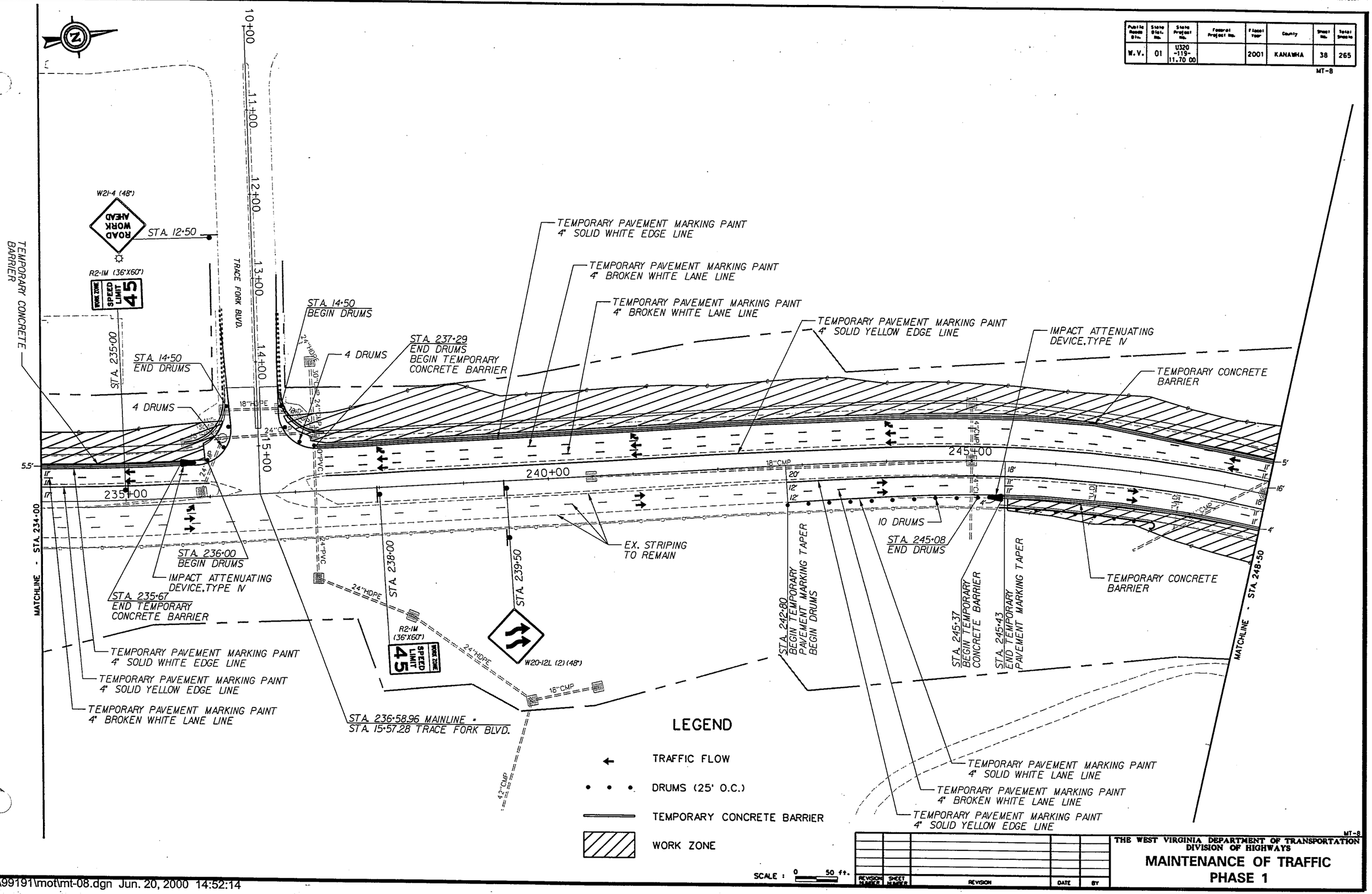
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1

u:\99191\mot\mt-06.dgn Jun. 20, 2000 14:51:47

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	38	265

MT-8



REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-8

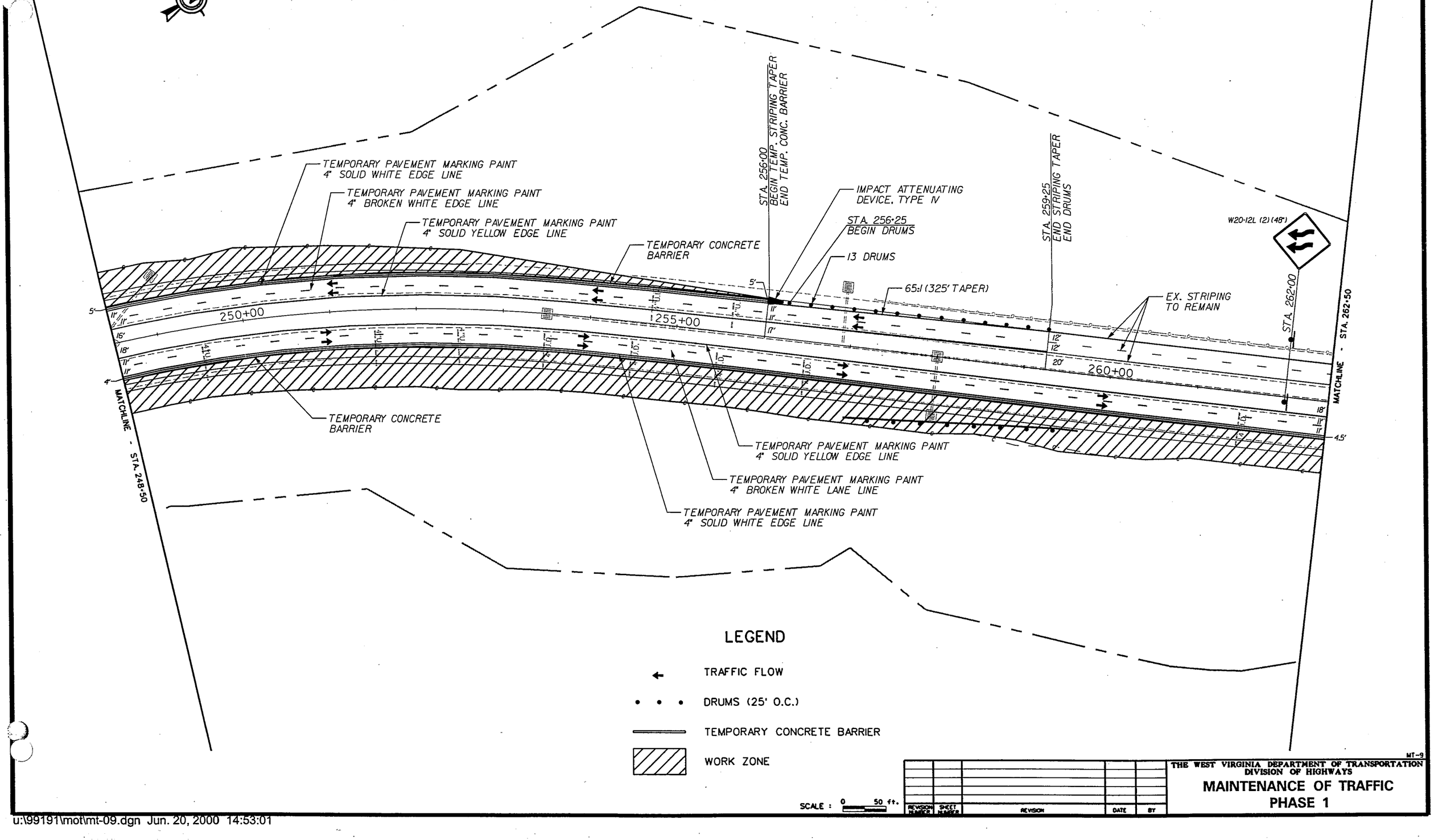
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC PHASE 1

u:\99191\mot\mt-08.dgn Jun. 20, 2000 14:52:14

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	39	265

MT-9



LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-9

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1

u:\99191\mot\mt-09.dgn Jun. 20, 2000 14:53:01

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	40	265

MT-10

END CONSTRUCTION
STA. 269+70.00 ℄ US119

TEMPORARY PAVEMENT MARKING TAPE
4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING TAPE
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING TAPE
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING TAPE
4" SOLID WHITE EDGE LINE

W21-1A (48")

R2-1M (2) (36"X60")
WORK ZONE SPEED LIMIT 45

W22-2 (2) (36"X42")
TURN OFF 2-WAY RAMPS

W20-11 (2) (48")
LANE SHIFT 1000 FT

STA. 267+50

STA. 269+50

STA. 274+00

STA. 275+00

EXISTING STRIPING

MATCHLINE - STA. 262+50

30" CMP

265+00

270+00

275+00

MATCHLINE - STA. 275+50

18'
11'
11'
4.5'
2.4'

TEMPORARY CONCRETE BARRIER

W20-12R (48")

STA. 269+00

12 DRUMS

DAVIS CREEK

STA. 275+00

END WORK ZONE

W22-3 (36"X42")

STA. 269+50
END TEMPORARY CONCRETE BARRIER
BEGIN TEMPORARY PAVEMENT MARKING TAPER
BEGIN DRUMS

BEGIN EXISTING BRIDGE DECK
END TEMP. PAVE. MARKING PAINT
START TEMP. PAVE. MARKING TAPE

END TEMPORARY PAVEMENT MARKING TAPERS & DRUMS AT END OF EXISTING BRIDGE

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID YELLOW EDGE LINE

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

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MT-10

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1

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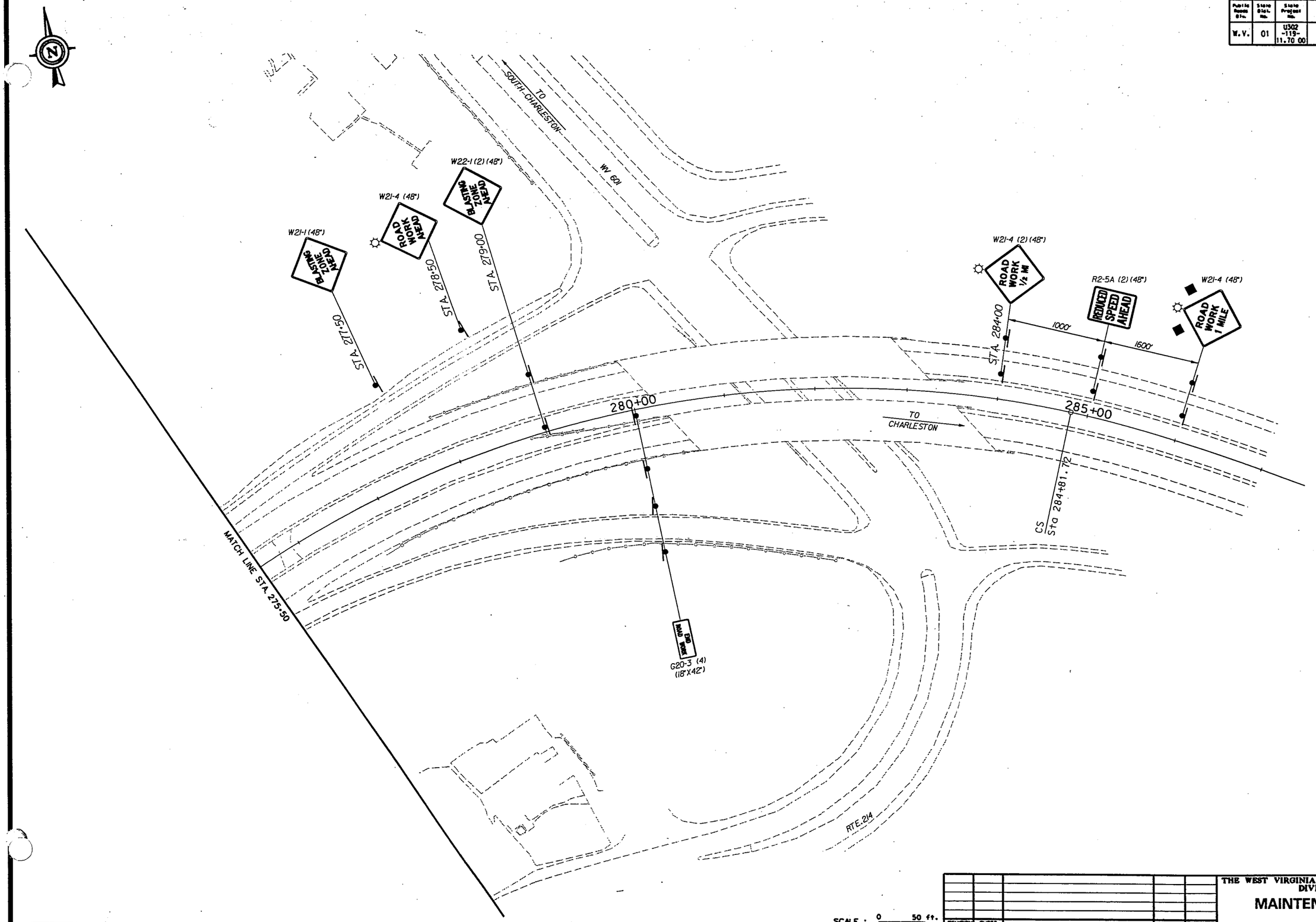
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	41	265

MT-11



SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-11

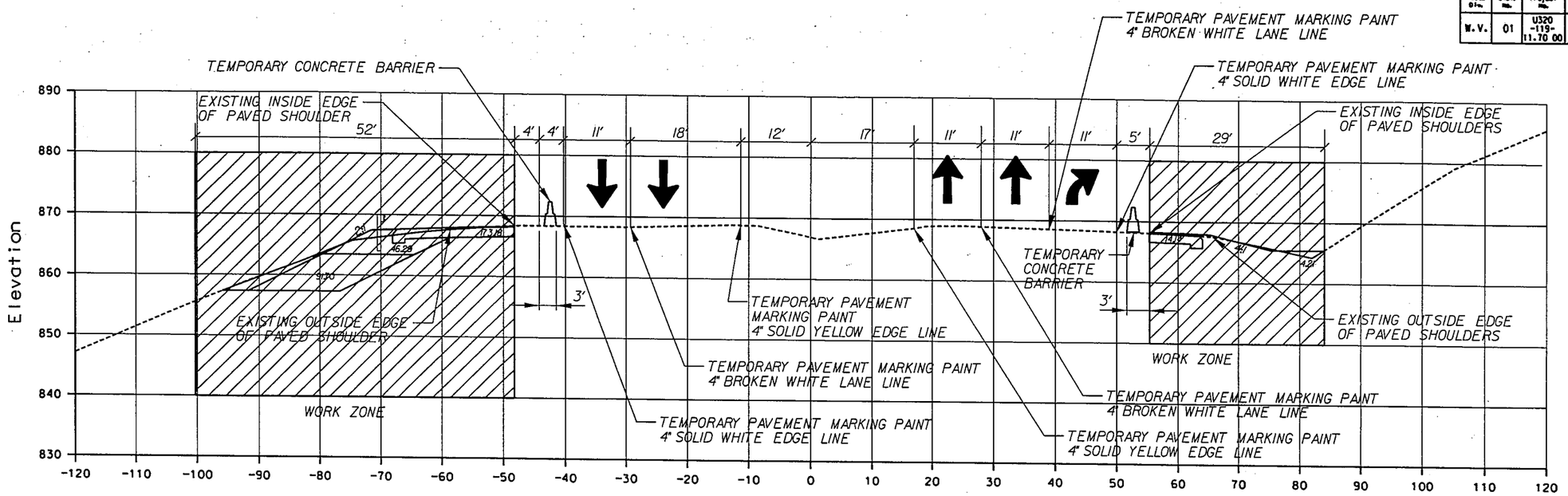
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1

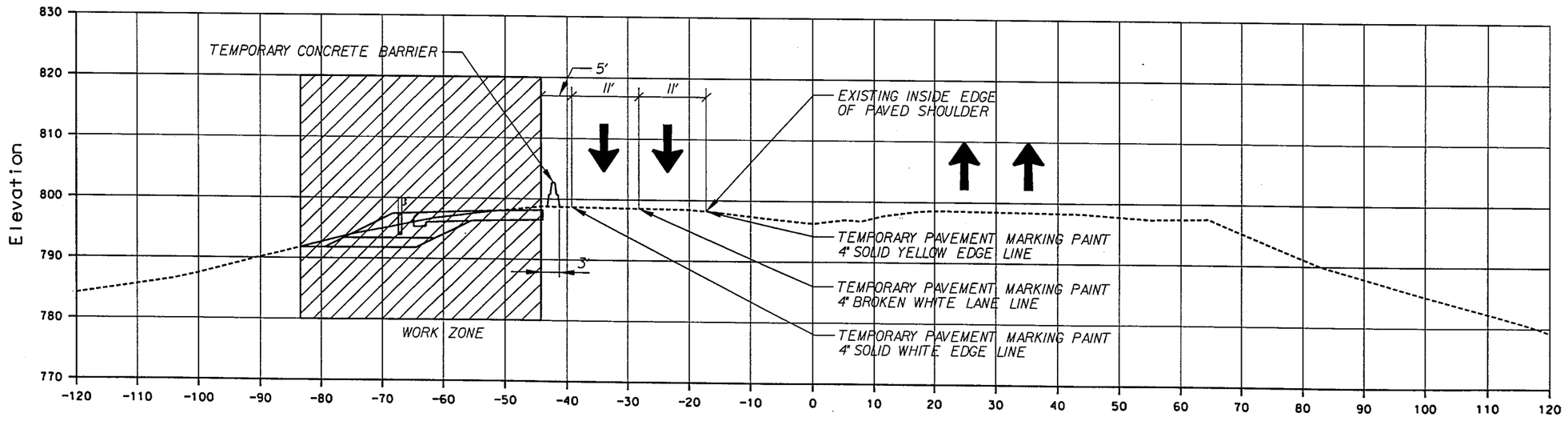
u:\99191\mot\mt-11.dgn Jun. 20, 2000 14:53:23

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	42	265

MT-12



184+00



168+00

SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-12

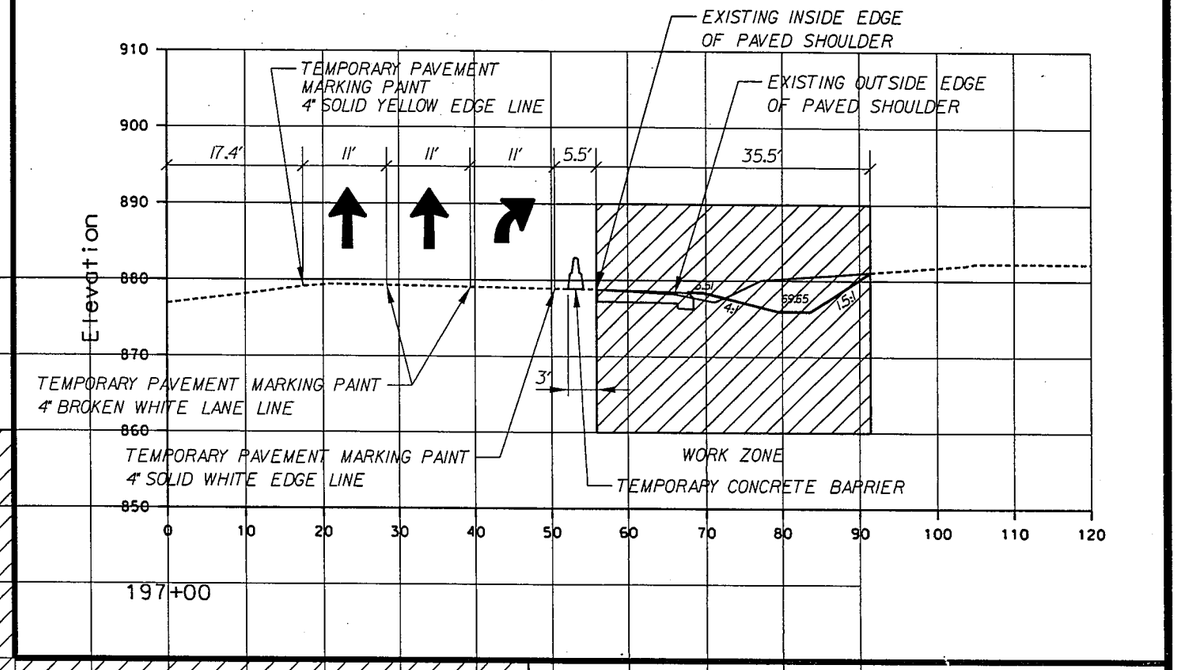
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

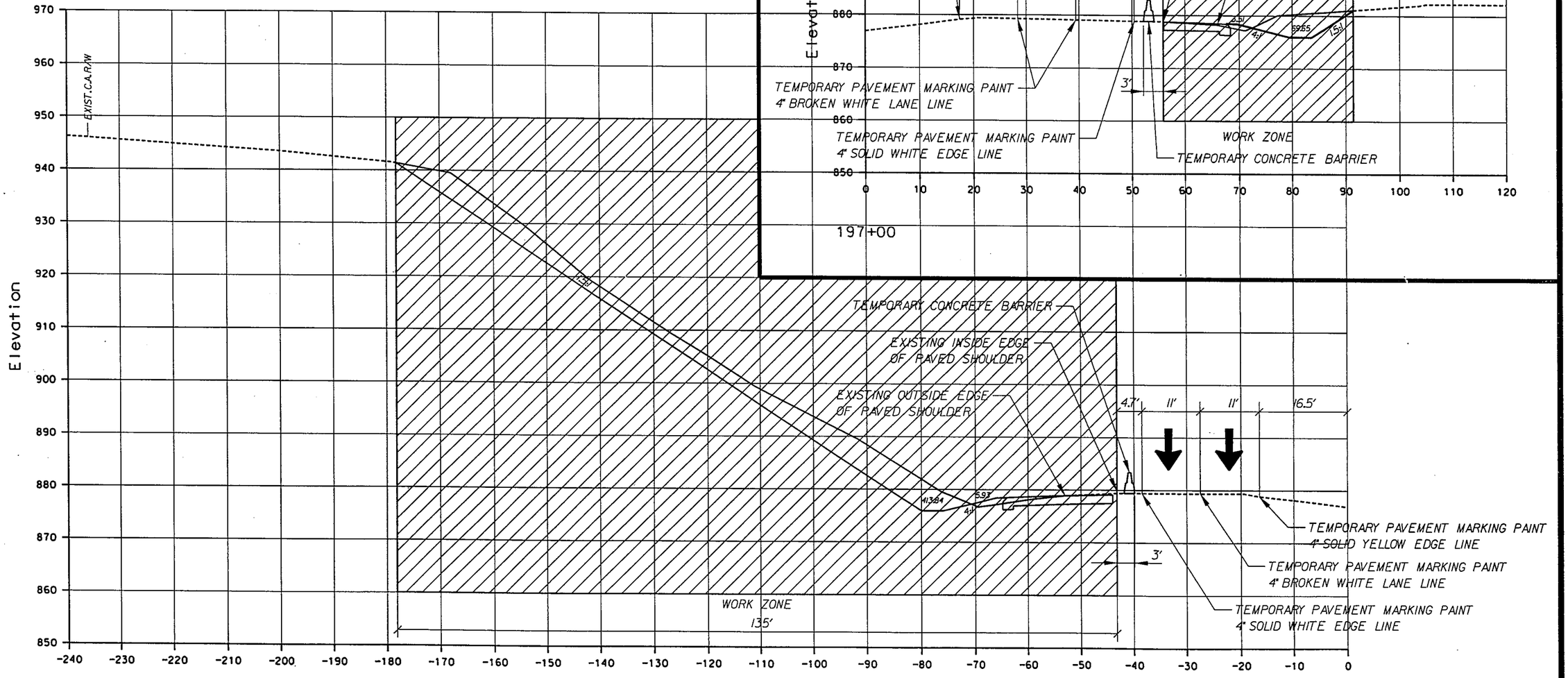
MAINTENANCE OF TRAFFIC
PHASE 1 – CROSS-SECTIONS

u:\99191\mot\mt-12.dgn Jun. 20, 2000 14:53:33

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	43	265

MT-13





SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-13

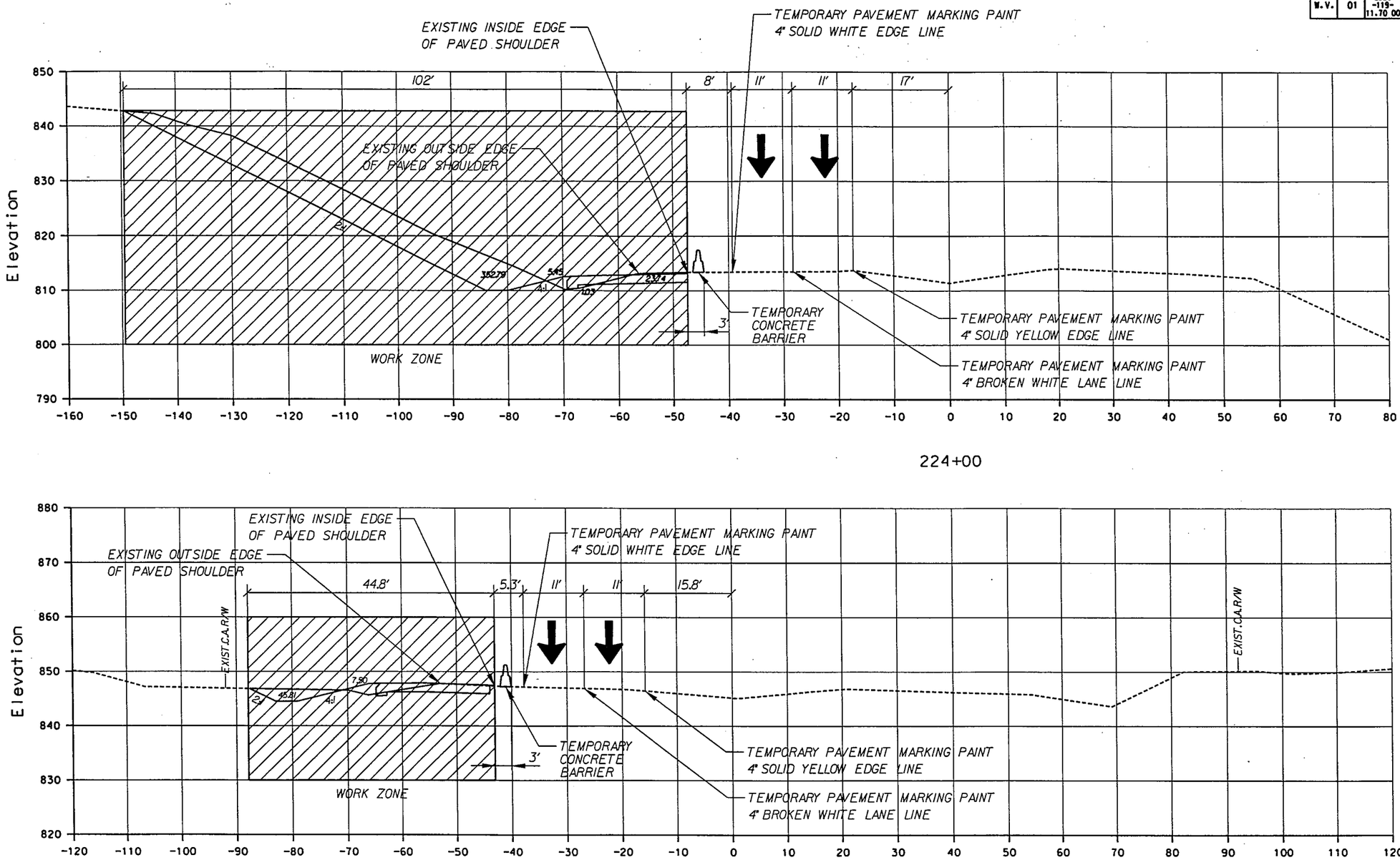
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1 – CROSS-SECTIONS

u:\99191\mot\mt-13.dgn Jun. 20, 2000 14:53:43

Public Route Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320-119-11.70.00		2001	KANAWHA	44	265

MT-14



SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-14

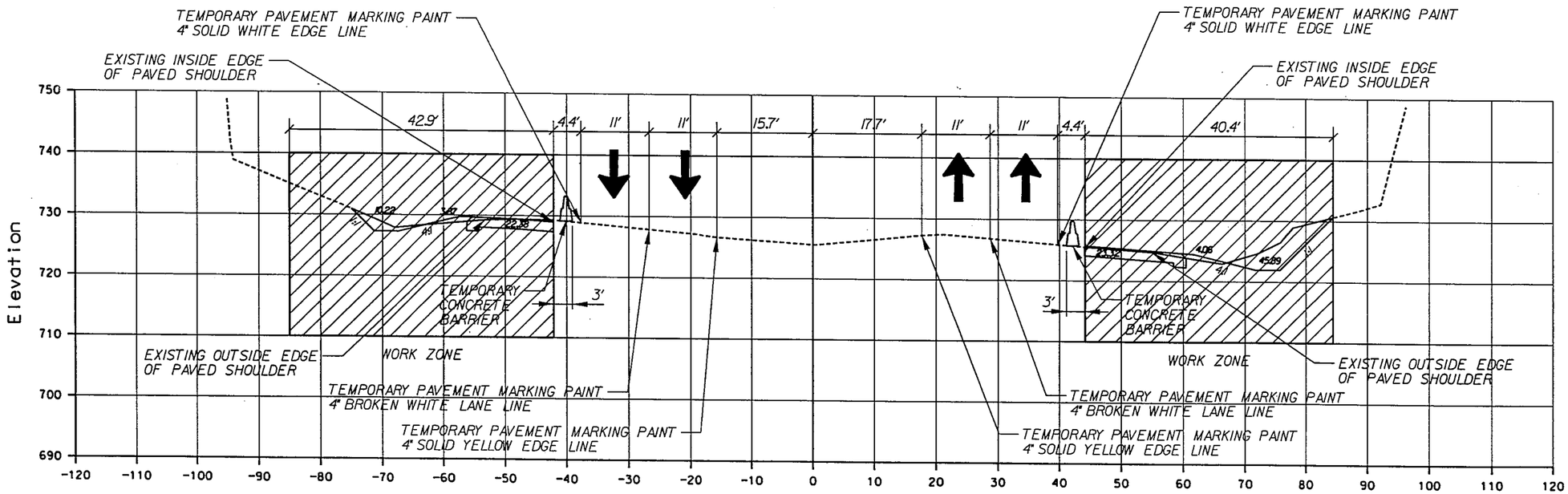
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1 – CROSS-SECTIONS

u:\99191\mot\mt-14.dgn Jun. 20, 2000 14:53:52

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	45	265

MT-15



SCALES
10 ft.
0
0 10 ft.

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MT-15

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 1 – CROSS-SECTIONS

u:\99191\mot\mt-15.dgn Jun. 20, 2000 14:54:01

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00		2001	KANAWHA	46	265

MT-16

STA. 149+00
BEGIN TEMPORARY PAVEMENT MARKING TAPER
BEGIN DRUMS

STA. 154+20
END TEMPORARY PAVEMENT MARKING TAPER
BEGIN TEMPORARY PAVEMENT MARKING TAPER
END DRUMS
BEGIN TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID YELLOW EDGE LINE

STA. 159+40
END TEMPORARY PAVEMNT MARKING TAPER

STA. 162+25
END TEMPORARY CONRETE BARRIER

R2-1M (36"X60")
WORK ZONE SPEED LIMIT 45

IMPACT ATTENUATING DEVICE, TYPE IV

W20-12L (2) (48")

65:1 (520' TAPERS)

21 DRUMS

TO LOGAN

150+00

160+00

STA. 161+50

72" CMP

STA. 162+50
BEGIN DRUMS

5 DRUMS

STA. 154+00
END DRUMS

G20-3 (2) (18"X42")
END ROAD WORK

500'

STA. 162+00
END TEMPORARY PAVEMENT MARKING TAPER

STA. 158+54.4
BEGIN PAVEMENT MARKING TAPER

STA. 162+75
END TEMPORARY CONCRETE BARRIER

24" CMP

42" CMP

30" CMP

12" CMP

MATCHLINE - STA. 163+00

PARKWAY DRIVE

2600' | 500' | 600' | 500' | 600' | 500'

ROAD WORK 1 MILE — W21-4 (2) (48")
ROAD WORK 1/2 MI — W21-4 (2) (48")
REDUCED SPEED AHEAD — R2-5a (2) (36"X48")
ROAD WORK 500 FT — W21-4 (2) (48")
LANE SHIFT 1000 FT — W20-11 (2) (48")
W20-12R (2) (48")
SPEED LIMIT 45 / WORK ZONE — R2-1M (2) (36"X60")

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

MT-16

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-16.dgn Jun. 20, 2000 14:54:16

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	47	265

MT-17

MATCHLINE - STA. 163+00

STA. 163+09
BEGIN DRUMS

P.C. STA. 163+56
END DRUMS
BEGIN TEMPORARY
CONCRETE BARRIER

STA. 164+74
BEGIN TEMPORARY
PAVEMENT MARKING TAPER

STA. 165+65
END TEMPORARY
PAVEMENT MARKING TAPER

RTE. 214

50" CMP

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE EDGE LINE (1,500 LF)

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE (380 LF)

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID YELLOW LANE LINE (1,523 LF)

TEMPORARY CONCRETE BARRIER (1,440 LF)

165+00

170+00

175+00

15" CMP

36" CMP

60' R

72' R

5 DRUMS

STA. 163+37
END DRUMS

STA. 163+57
BEGIN TEMPORARY
CONCRETE BARRIER

STA. 165+00

SPEED LIMIT 45
R2-1M
(36"X60")

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE (370 LF)

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE EDGE LINE (1,500 LF)

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE (70 LF)

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID YELLOW EDGE LINE (1,488 LF)

TEMPORARY CONCRETE BARRIER (1,407 LF)

IMPACT ATTENUATING
DEVICE, TYPE IV

PARKWAY DRIVE

STA. 163+30 - 330' RT.

ROAD WORK AHEAD
W21-4 (48")

STA. 177+67
BEGIN TEMPORARY
PAVEMENT MARKING TAPER

MATCHLINE - STA. 178+00

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

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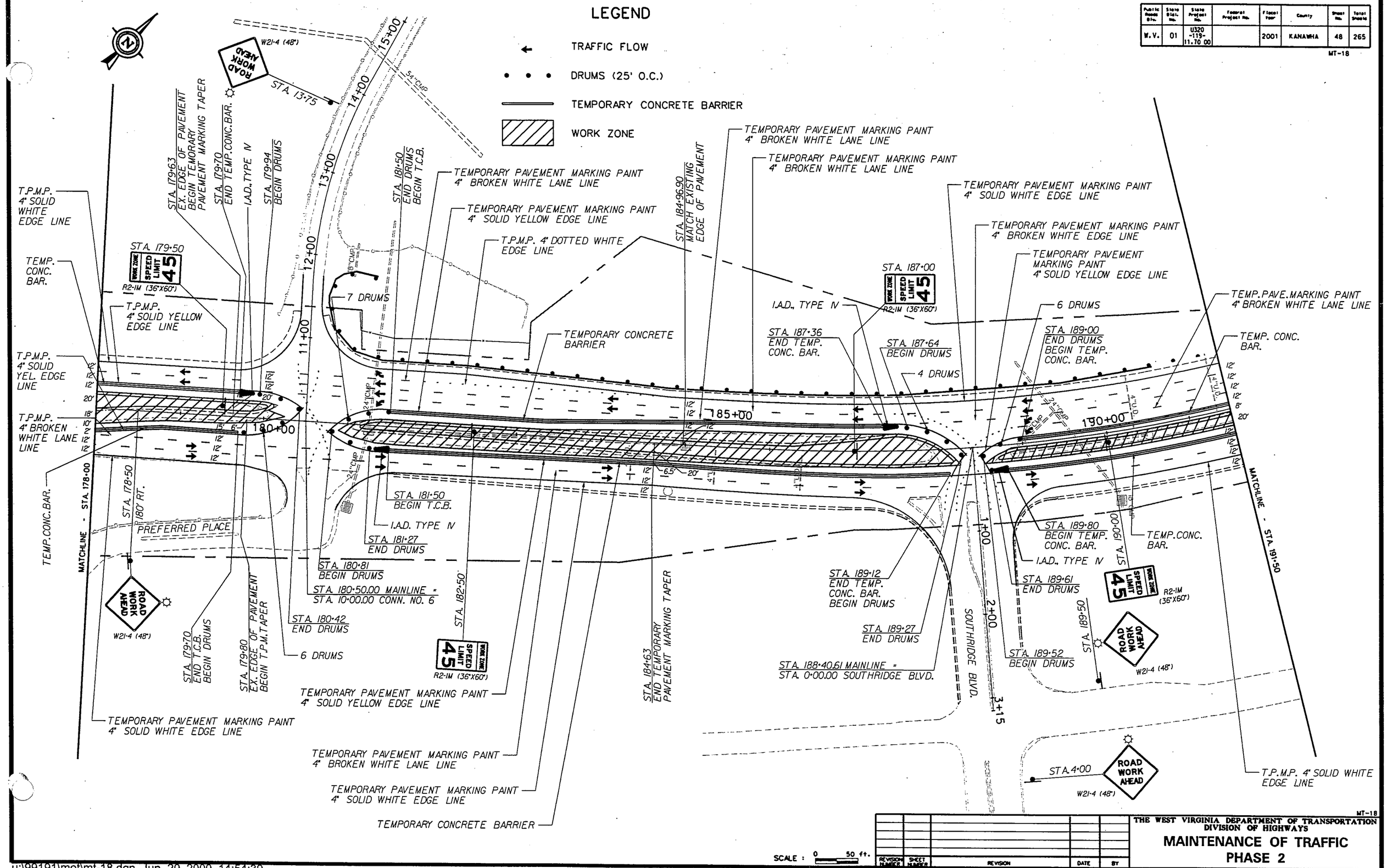
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-17.dgn Jun. 20, 2000 14:54:28

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	48	265

MT-18



MT-18

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-18.dgn Jun. 20, 2000 14:54:39

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00		2001	KANAWHA	49	265

MT-19

TEMPORARY PAVMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMPORARY PAVMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY CONCRETE BARRIER

MATCHLINE - STA. 191+50

195+00

200+00

205

12' 6.5'

4" MP

4" CMP

20'

12' 12' 12' 12' 12' 12' 12' 12' 12' 12' 20'

TEMPORARY CONCRETE BARRIER

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

STA. 198+21 BEGIN TEMPORARY PAVEMENT MARKING TAPER

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

STA. 200+86 END TEMPORARY CONCRETE BARIER BEGIN DRUMS

6 DRUMS

STA. 201+50.00 MAINLINE = STA. 10+00.00 CONN. NO. 7 (LT. & RT.)

TEMP. PAVE. MARKING PAINT 4" DOTTED WHITE EDGE LINE

IMPACT ATTENUATING DEVICE TYPE IV

STA. 200+66 END TEMPORARY CONCRETE BARRIER

TEMP. PAVE. MARKING PAINT 4" DOTTED WHITE EDGE LINE

W21-4 (48")

ROAD WORK AHEAD

STA. 6+50

R2-1M (36"X60")

WORK ZONE SPEED LIMIT 45

STA. 199+50

STA. 200+66 EX. EDGE OF PAVEMENT BEGIN TEMPORARY PAVEMENT MARKING TAPER

STA. 200+75 BEGIN DRUMS

STA. 201+35 END DRUMS

STA. 201+72 BEGIN DRUMS

STA. 202+26 END DRUMS BEGIN TEMPORARY CONCRETE BARRIERS

4+70

6+00

7+00

8+00

9+00

10+00

11+00

30" CMP

36" CMP

6 DRUMS

24" CMP

24" CMP

24" CMP

RHL BOULEVARD

TEMPORARY CONCRETE BARRIER

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMP. PAVEMENT MARKING PAINT 4" BROKEN WHITE LANE LINE

TEMP. PAVEMENT MARKING PAINT 4" SOLID WHITE EDGE LINE

TEMP. PAVE. MARKING PAINT 4" DOTTED WHITE EDGE LINE

MATCHLINE - STA. 206+00

12' 12' 12' 20' 20' 8' 12' 12'

205+00

20.5' 20.5' 7.5' 12' 12' 12'

STA. 203+50

WORK ZONE SPEED LIMIT 45

R2-1M (36"X60")

W21-1A (48")

STA. 11+50

RTE. 214

STA. 202+15 END DRUMS

IMPACT ATTENUATING DEVICE TYPE IV

TERRY ROAD

13+00

14+07

STA. 202+35 BEGIN TEMPORARY CONCRETE BARRIER

STA. 202+54 EX. OUTSIDE EDGE OF PAVED SHOULDER

TEMPORARY CONCRETE BARRIER

STA. 205+00 - 114' RT.

ROAD WORK AHEAD

W21-4 (48")

TEMPORARY PAVEMENT MARKING PAINT 4" SOLID YELLOW EDGE LINE

MT-19

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

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THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
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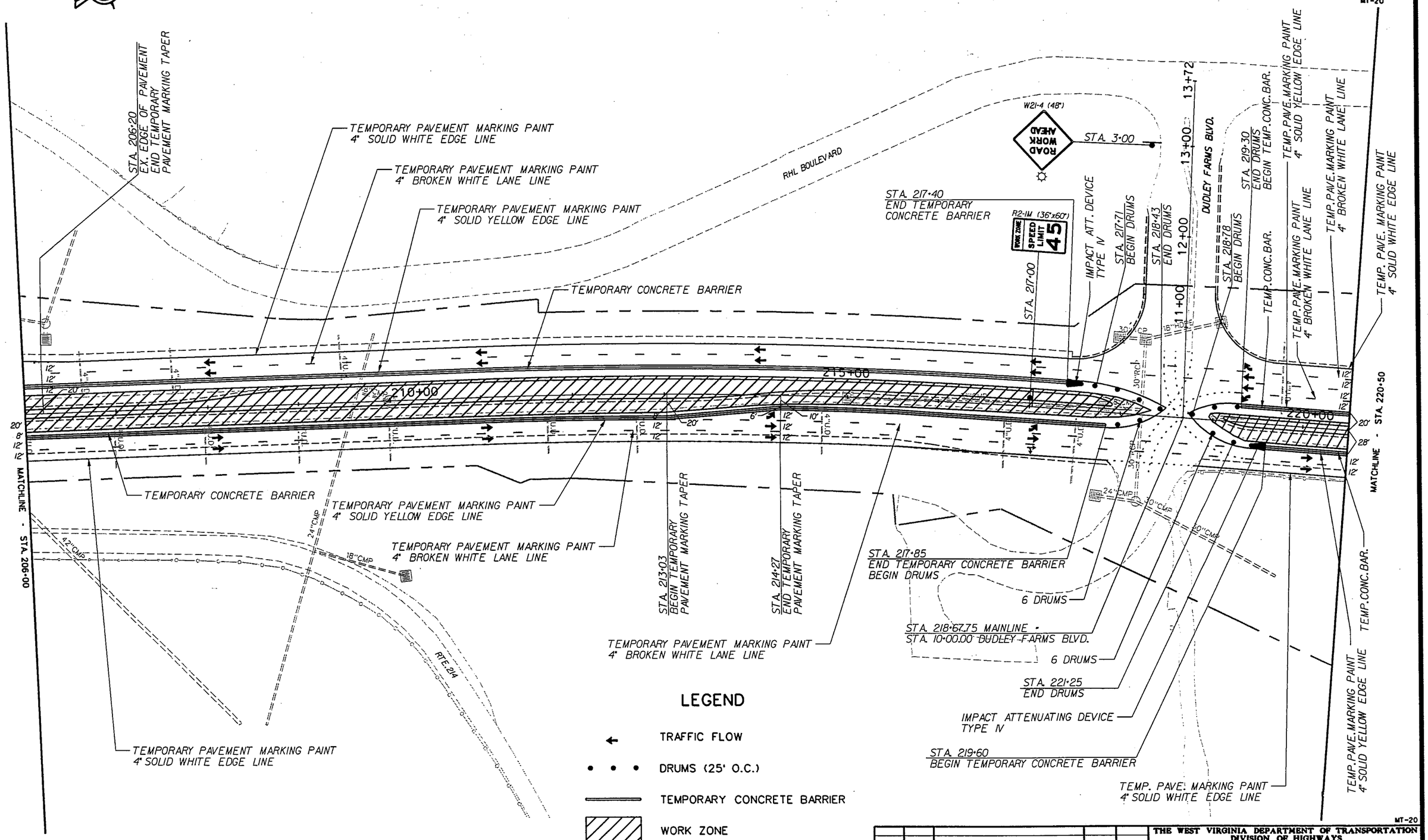
MAINTENANCE OF TRAFFIC PHASE 2

u:\99191\mot\mt-19.dgn Jun. 20, 2000 14:55:01

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	50	265

MT-20



MT-20

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

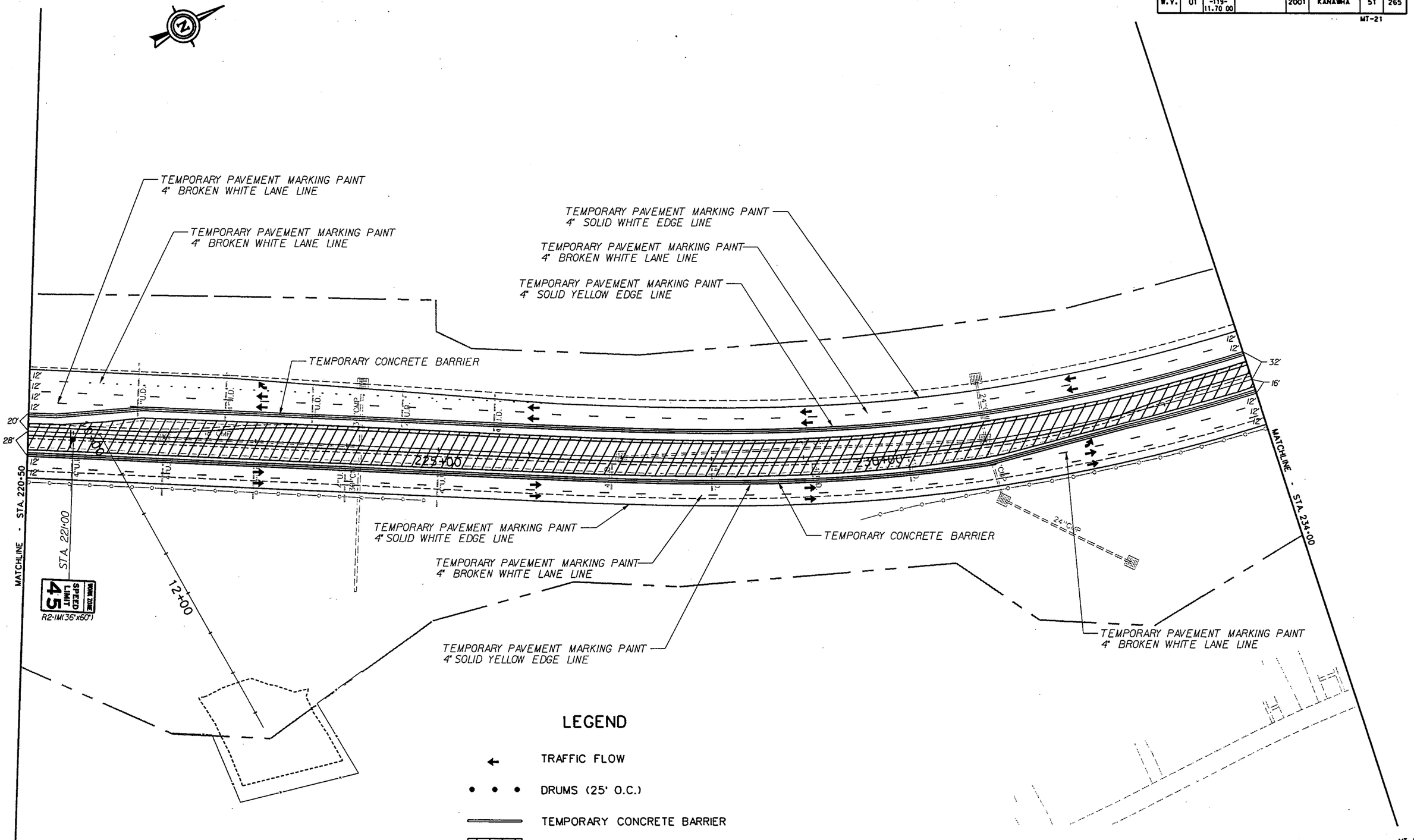
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-20.dgn Jun. 20, 2000 14:55:21

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	51	265

MT-21



MT-21

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

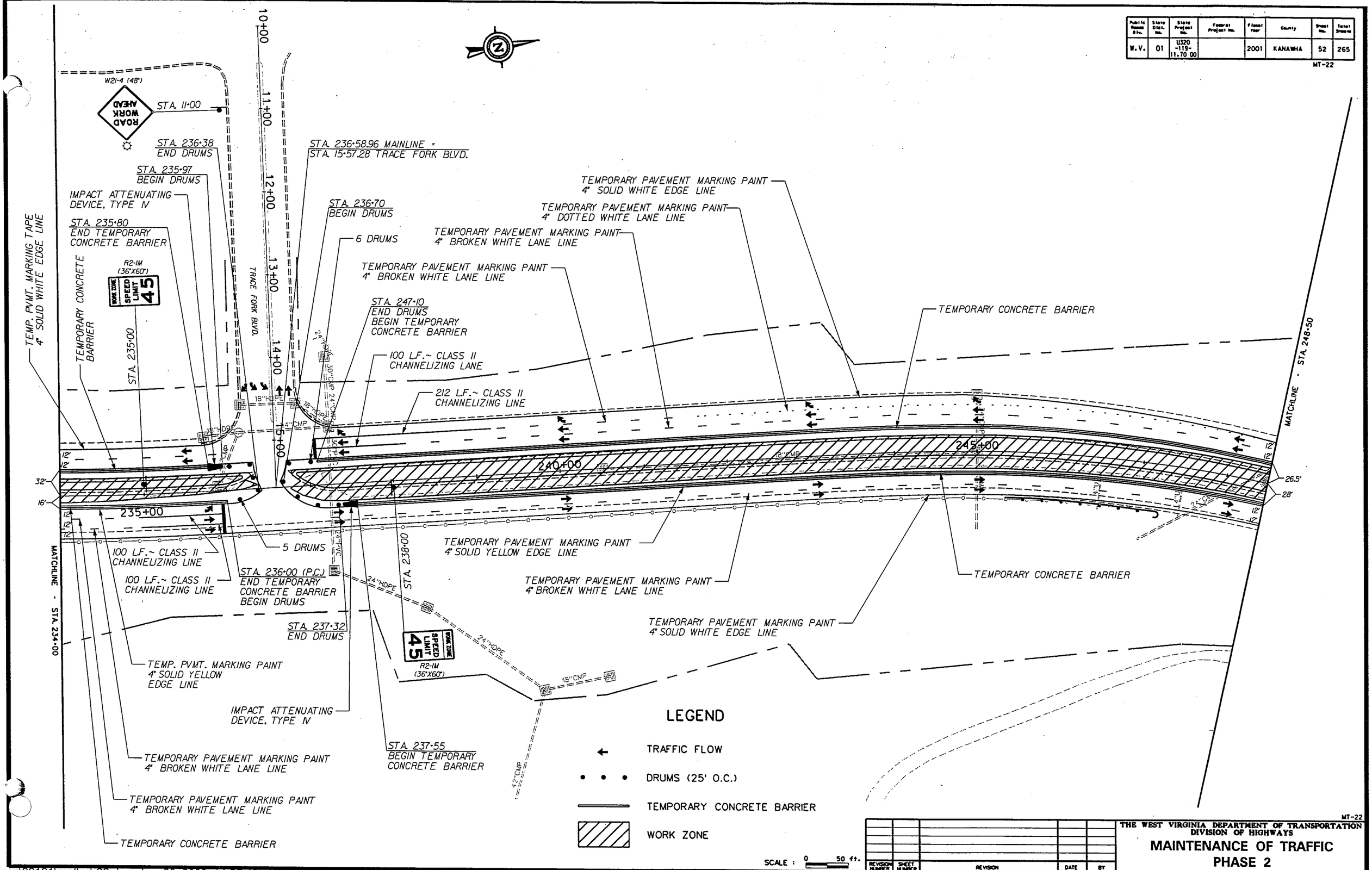
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-21.dgn Jun. 20, 2000 14:55:32

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	52	265

MT-22



REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-22

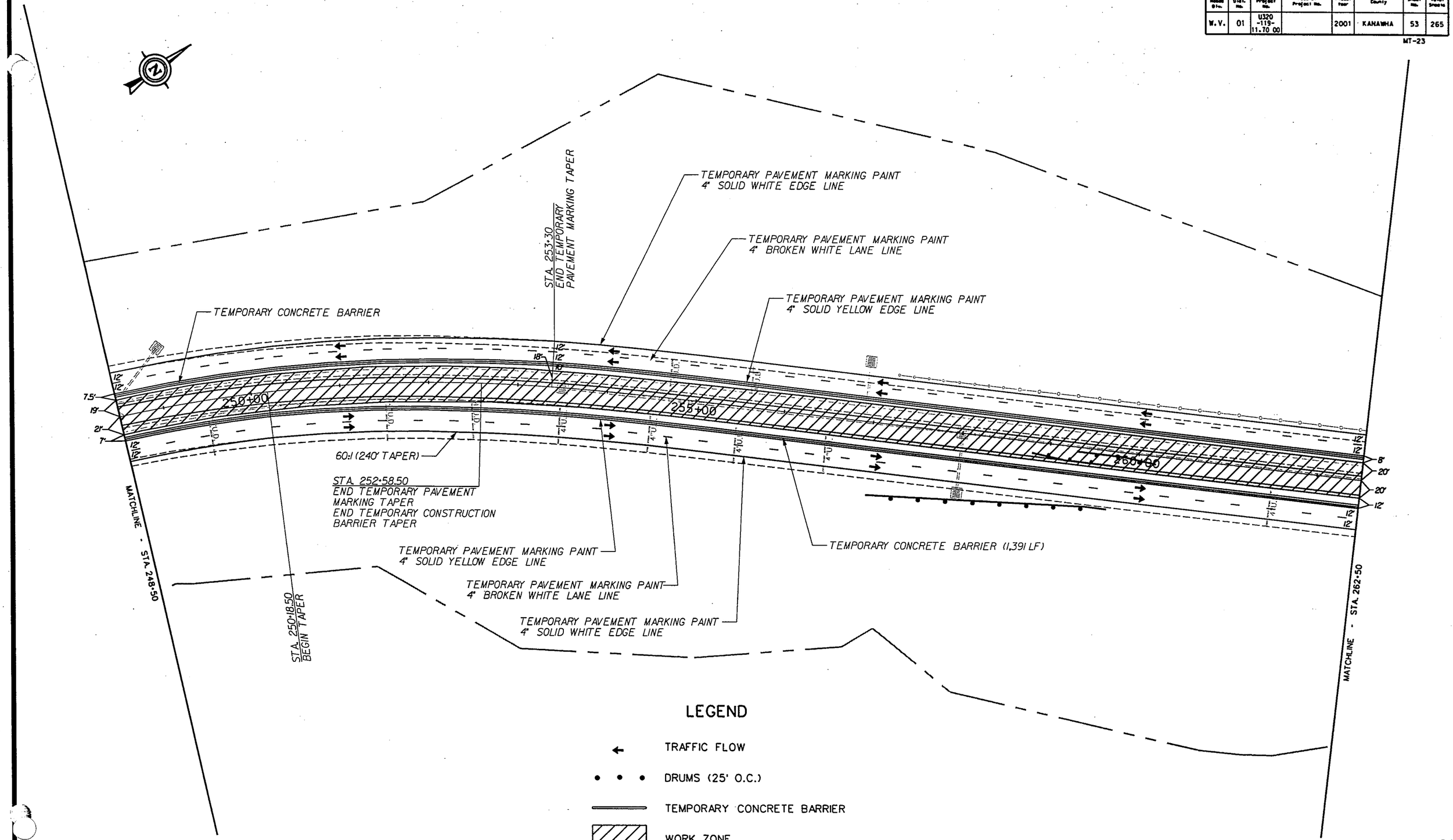
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-22.dgn Jun. 20, 2000 14:55:43

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	53	265

MT-23



MT-23

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-23.dgn Jun. 20, 2000 14:55:54

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	54	265

MT-24

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID YELLOW EDGE LINE

STA. 265+00
BEGIN TEMPORARY PAVEMENT MARKING TAPER

TEMPORARY CONCRETE BARRIER

STA. 264+34
BEGIN TEMPORARY PAVEMENT MARKING TAPERS

STA. 269+76
EDGE OF EX. BRIDGE DECK
END TEMPORARY PAVEMENT MARKING - PAINT
BEGIN TEMPORARY PAVEMENT MARKING - TAPE

TEMPORARY PAVEMENT MARKING PAINT
4" DOTTED WHITE LANE LINE

STA. 266+95
BEGIN DOTTED WHITE LANE LINE

IMPACT ATTENUATING DEVICE, TYPE IV

R2-1M (2) (36"x60")
WORK ZONE SPEED LIMIT 45

STA. 269+00

60:1 (480' TAPERS)

STA. 269+82
END 4" SOLID WHITE EDGE LINE

TEMPORARY PAVEMENT MARKING TAPE
4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING TAPE
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING TAPE
4" DOTTED WHITE LANE LINE

EXISTING STRIPING

22 DRUMS

STA. 272+68
EDGE OF EX. BRIDGE DECK
END TEMP. PVMT. MARKING - TAPE

W21-1A (2) (48")
W20-12R (2) (48")

STA. 274+00

MATCHLINE - STA. 262+50

30" CMP

12'
12'
8'
20'
20'
12'
12'
12'

265+00

270+00

24.5'

275+00

13 DRUMS

STA. 272+65
END DRUMS

MATCHLINE - STA. 275+50

STA. 275+00

DAVIS CREEK

END CONSTRUCTION
STA. 269+70.00 ℄ US 119

STA. 269+60 (EX. BRIDGE)
END TEMPORARY CONCRETE BARRIER TAPER
BEGIN DRUMS

ROAD WORK END
G20-3 (3) (18"x42")

TEMPORARY CONCRETE BARRIER

STA. 264+50

W20-12L (2) (48")

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" BROKEN WHITE LANE LINE

TEMPORARY PAVEMENT MARKING PAINT
4" SOLID WHITE EDGE LINE

LEGEND

- TRAFFIC FLOW
- DRUMS (25' O.C.)
- TEMPORARY CONCRETE BARRIER
- WORK ZONE

SCALE : 0 50 ft.

MT-24

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

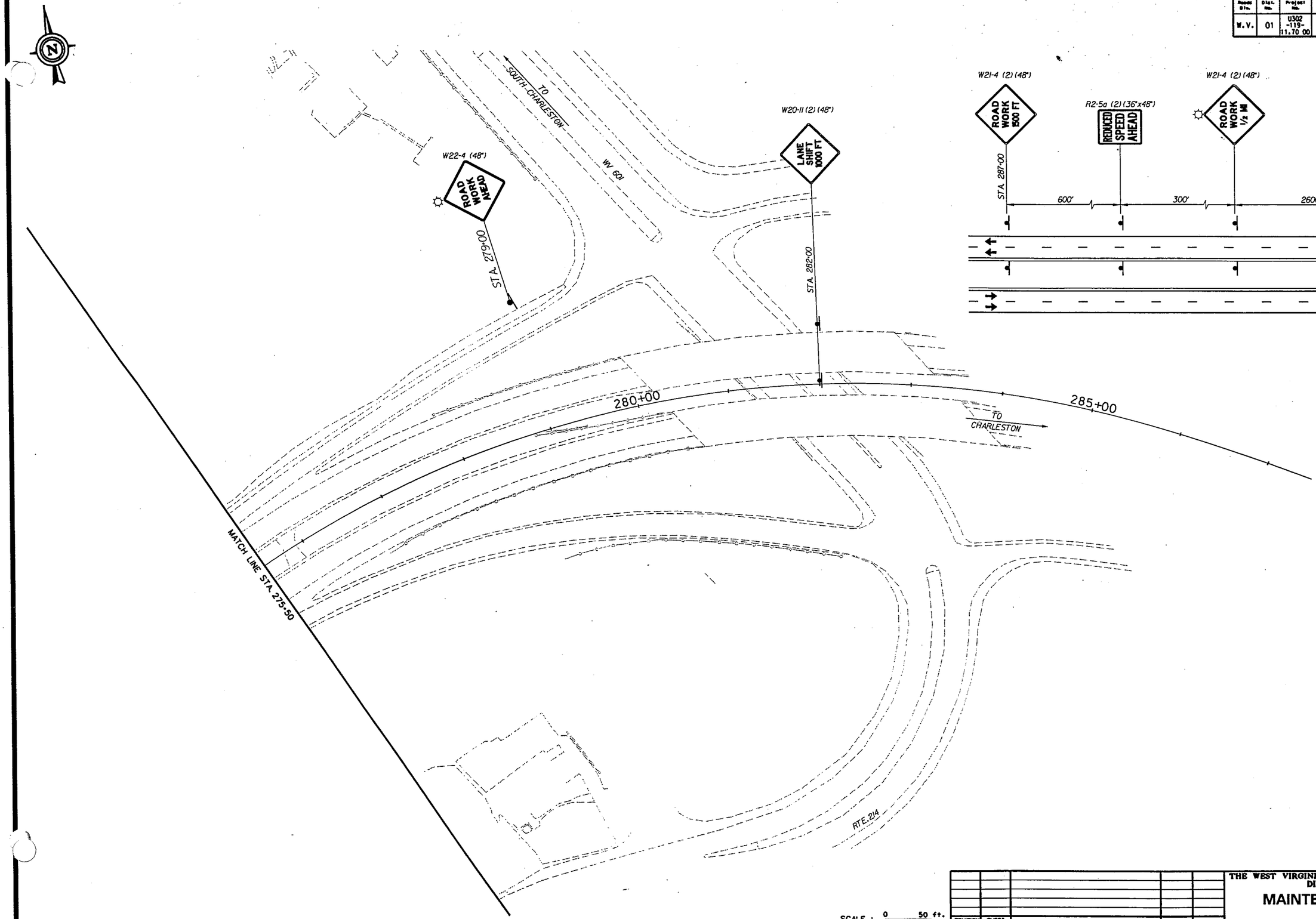
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

u:\99191\mot\mt-24.dgn Jun. 28, 2000 14:58:20

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	55	265

MT-25



SCALE : 0 50 ft.

MT-25

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

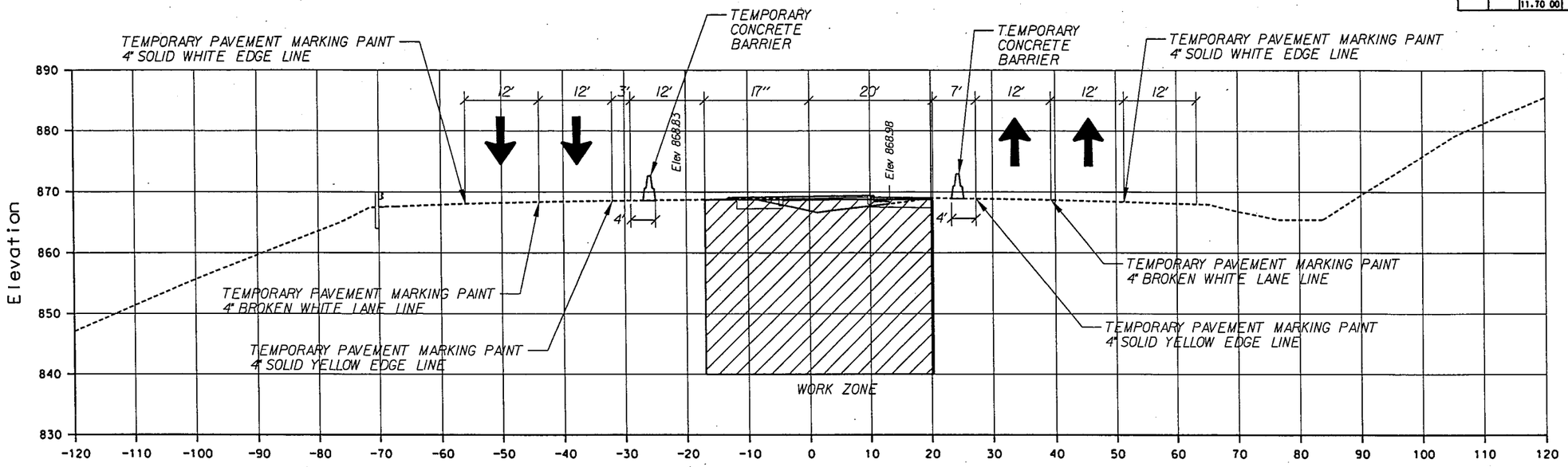
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

MAINTENANCE OF TRAFFIC
PHASE 2

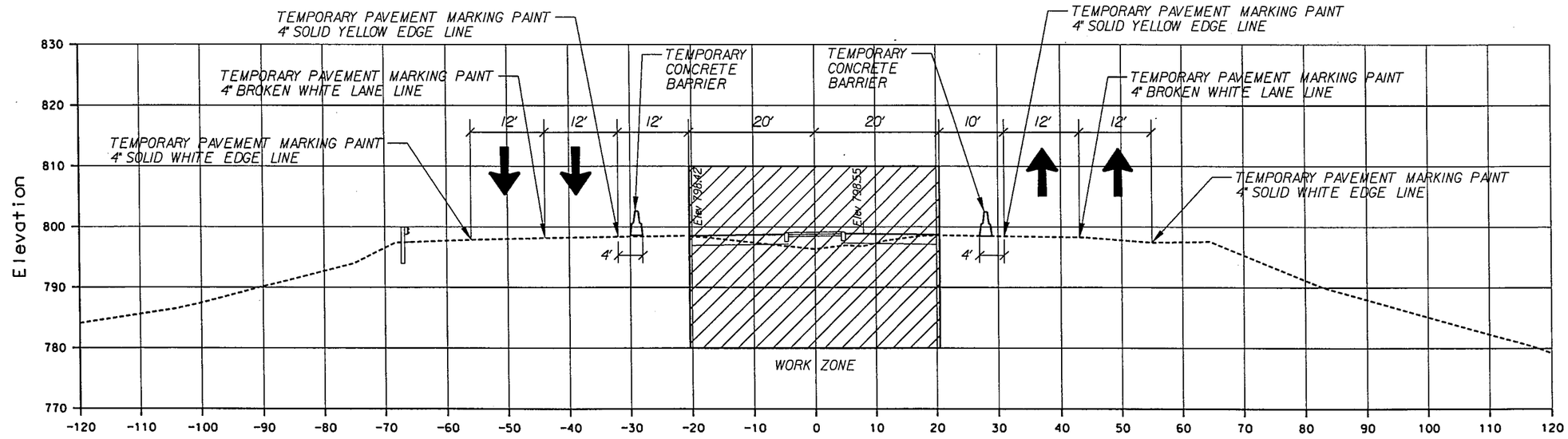
u:\99191\mot\mt-25.dgn Jun. 20, 2000 14:56:15

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	56	265

MT-26



184+00



168+00

SCALES
10 ft.
0 10 ft.
0

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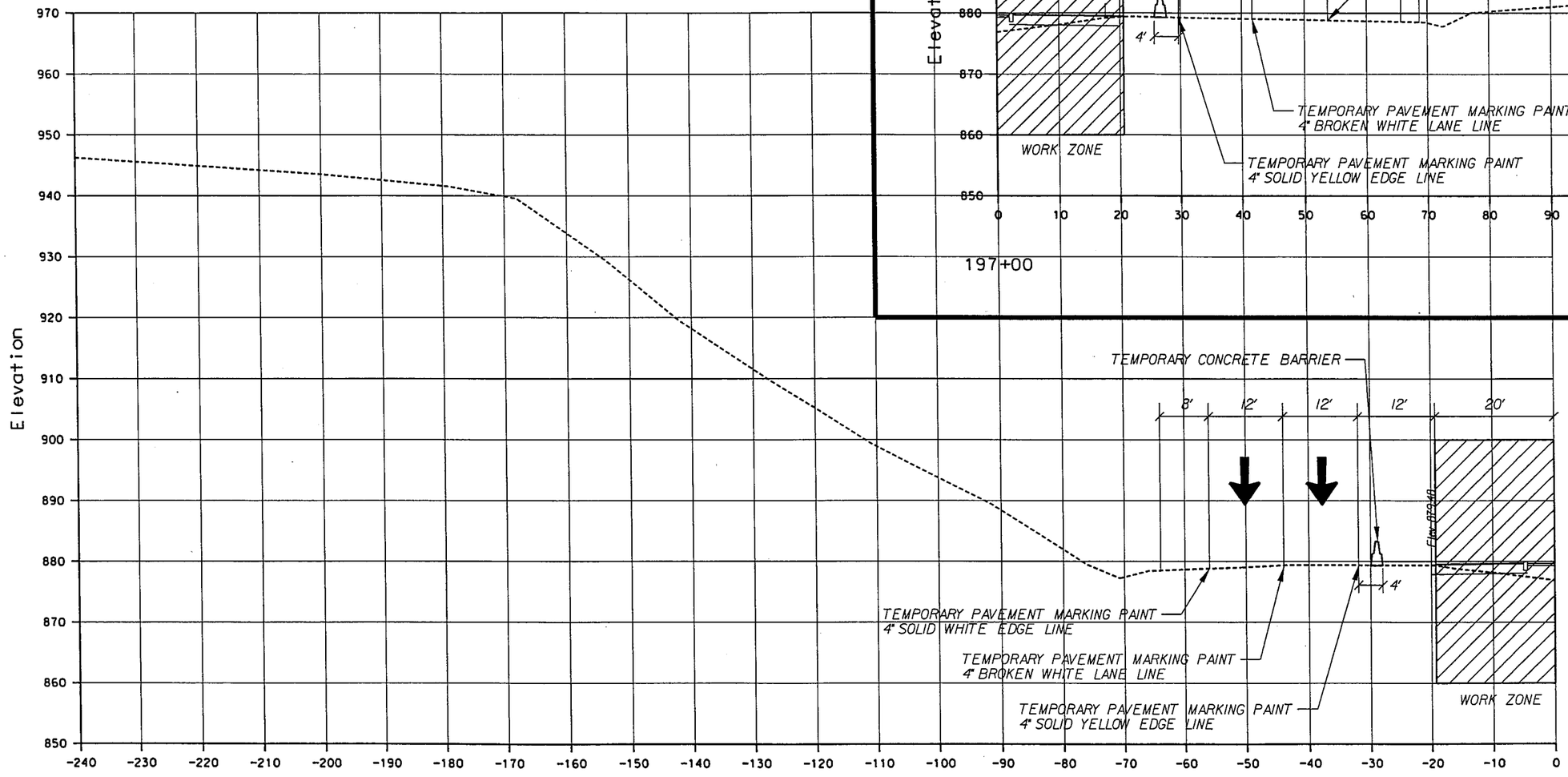
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

M.O.T. – PHASE 2
CROSS-SECTIONS

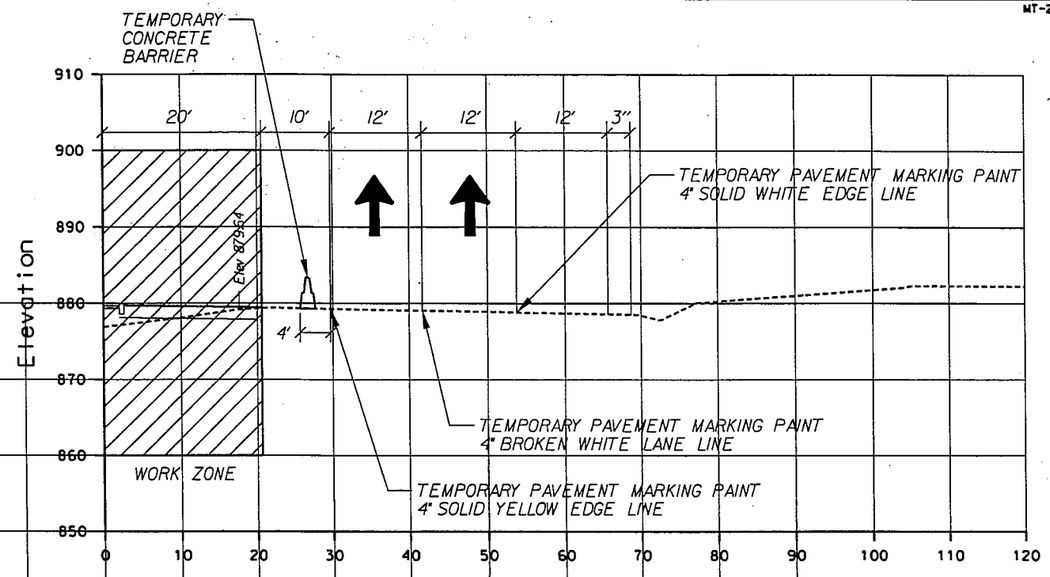
u:\99191\mot\mt-26.dgn Jun. 20, 2000 14:56:25

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	57	265

MT-27



197+00



197+00

MT-27

SCALES
10 ft.
0 10 ft.
0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
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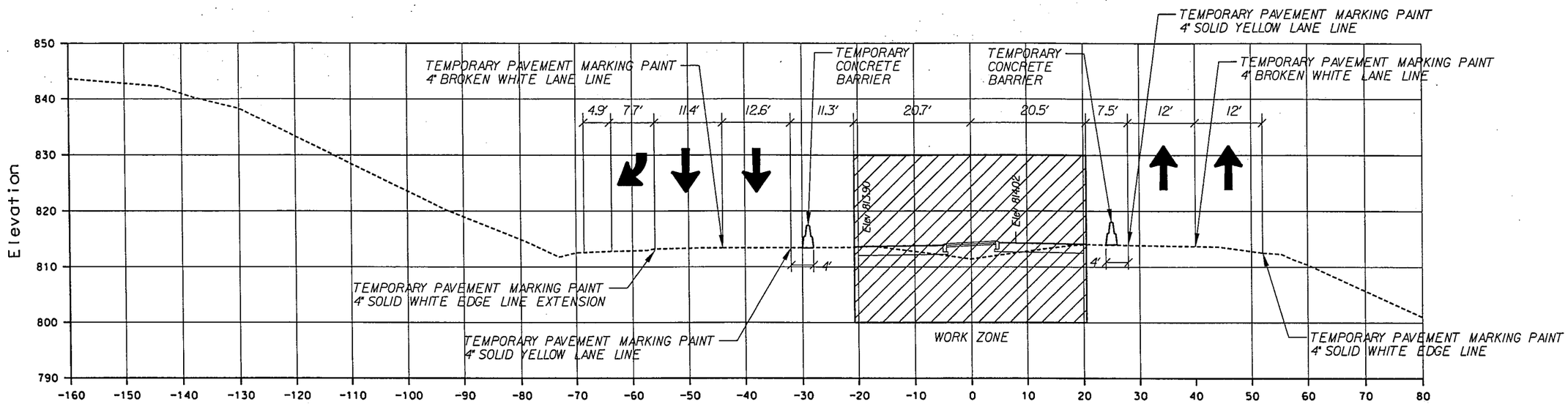
M.O.T. – PHASE 2
CROSS-SECTIONS

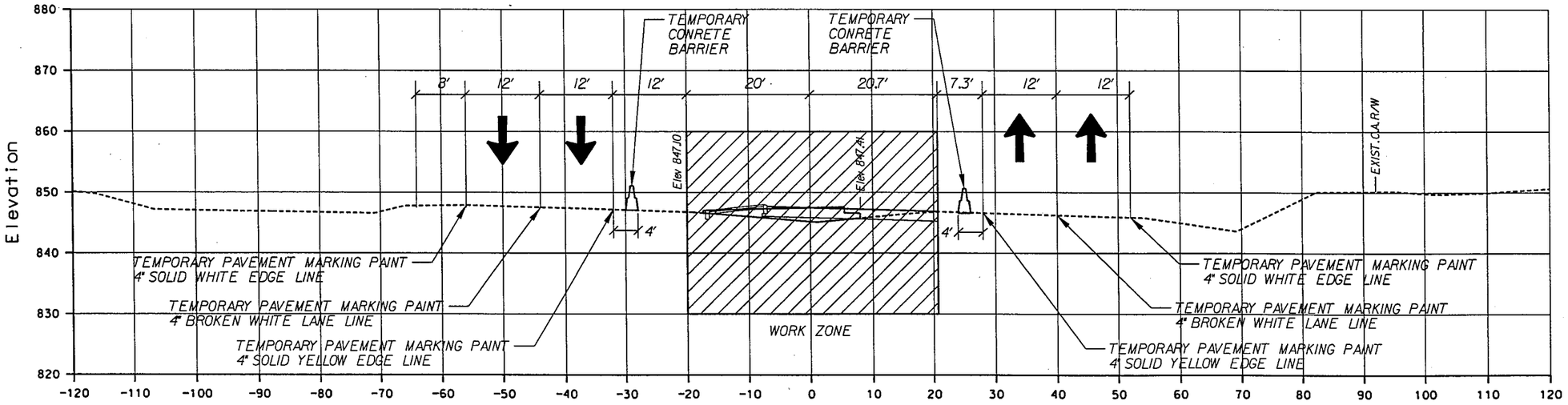
u:\99191\mot\mt-27.dgn Jun. 20, 2000 14:56:41

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	58	265

MT-28



224+00



212+00

SCALES
10 ft.
0 10 ft. 0

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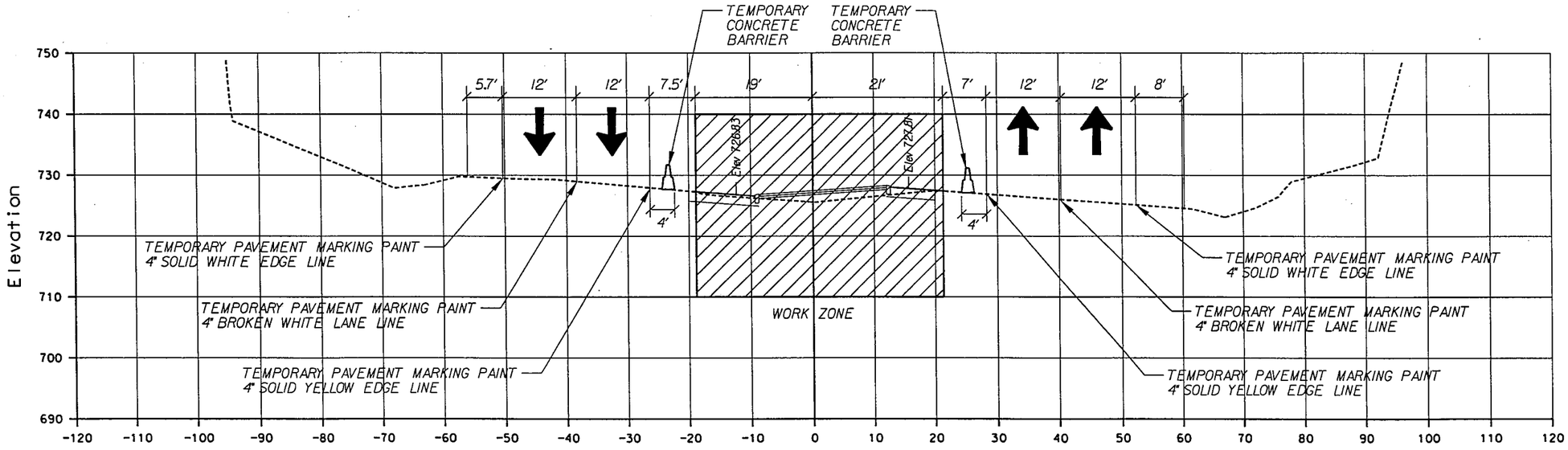
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

M.O.T. – PHASE 2
CROSS–SECTIONS

u:\99191\mot\mt-28.dgn Jun. 20, 2000 14:56:51

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	59	265

MT-29



250+00

SCALES
10 ft.
0 10 ft.
0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

MT-29

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

M.O.T. – PHASE 2
CROSS-SECTIONS

u:\99191\mot\mt-29.dgn Jun. 20, 2000 14:56:59

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	60	265

① STA. 155+50, ℄
REMOVE EX. TYPE 'G' INLET,
6.1'~ EX. 24" CMP & 5.3'~ EX. 30" CMP
STA. 155+50, 2.50' LT.
TYPE 'G' INLET
1 - 22.5° PREFABRICATED 24" CMP BEND,
1 - 22.5° PREFABRICATED 30" CMP BEND,
6.5'~ 24" CMP, & 5.7'~ 30" CMP
6 SY CONCRETE GUTTER
GRATE EL. = 759.98
F.L. = 754.79

② STA. 159+00, ℄
REMOVE EX. TYPE 'G' INLET,
3.0'~ EX. 24" CMP IN & 9.3'~ EX. 24" CMP OUT
STA. 159+00, 4.35' LT.
TYPE 'G' INLET
1 - 22.5° PREFABRICATED 24" CMP BEND,
6.8'~ 24" CMP IN & 10.0'~ 24" CMP OUT
6 SY CONCRETE GUTTER
GRATE EL. = 767.90
F.L. = 762.98

③ STA. 162+51.47, 87.46' RT.
REMOVE 18.9'~ EX. 42" CMP
TYPE 'G' INLET
14.4'~ 42" CMP
12.3 SY - CONCRETE GUTTER
GRATE EL. = 773.83
F.L. = 769.18

④ STA. 162+50, 71.34' RT.
MODIFY - REMOVE 3.03' OF
EX. TYPE 'G' INLET, TIE IN
NEW SECTION OF 42" CMP
& CAP EX. TYPE 'G' INLET
TOP OF CAP EL. = 773.17

STA.160+75 TO 163+00 LT.
225 LF GUARDRAIL
I STET
250 LF GUARDRAIL REMOVAL

STA.159+00,68' RT.
6 SY - CONCRETE GUTTER

STA.155+00 - 160+50,LT.
TEMPORARY MATTING
L = 550',W = 8.2'

STA.159+00 - 162+30,RT.
TEMPORARY MATTING
L = 330',W = 12.3'

RTE.214

EXIST. PERM. DRAIN. EASE.

STA.151+52.00
200.00' LT.

STA.151+80.00
200.00' LT.

STA.151+80.00
179.00' LT.

STA.151+57.00
180.00' LT.

STA.151+30.00
174.00' LT.

STA.155+50.00
182.00' LT.

CURVE NO.7
PI = 153+83.36
Δ = 09°36'00.10" RT.
D = 1°00'00"
R = 5729.58'
L = 960.00'
T = 481.13'
SE = 0.029'/FT.
E = 20.1'

STA.154+20
BEGIN WIDENING TAPER SB

BEGIN PROJECT
STA.154+20.00 ℄ US 119

BEGIN WORK
STA.149+00 ℄ US119

PC STA. 149+02.13

EXIST. C.A.R/W

℄ F.B. DITCH

266'~ 6" FDB OUTLET PIPE & SLOPEWALL

TO LOGAN

150+00

CURVE NO.7

155+00

30" CMP

24" CMP

65.1 (780' TAPER)

7'~ 4" FDB OUTLET PIPE TIE TO EX. 24" CMP

24" CMP

STA.154+20
BEGIN WIDENING TAPER NB

BEGIN TAPER
STA.158+74.14
44.00' RT.

DO NOT DISTURB

PI STA 158+62.24

8.5'~ 6" FDB OUTLET PIPE & SLOPEWALL

STET
BEGIN GUARDRAIL
STA.160+75.00 64.08' LT.

TYPE I GUARDRAIL

STA.162+28.00
241.00' LT.

STA.162+28.00
98.00' LT.

STA.162+00
END WIDENING TAPER SB

160+00

N48°13'16"E

25.7'~ 4" FDB OUTLET PIPE

20.1 (240' TAPER)

4" F.B. DITCH

5'~ 6" FDB OUTLET PIPE

END TAPER
STA.161+14.14
56.00' RT.

STA.162+00
END WIDENING TAPER NB

4" FDB SLOPEWALL

42" CMP

STA.162+09.00
156.42' RT.

LIMITS OF MILLING AND RESURFACING
131.00' RT.

PARKWAY ROAD

MATCH LINE STA.163+00

STA.154+00.00
275.00' RT.

STA.159+11.00
270.50' RT.

STA.159+25.00
270.00' RT.

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA.149+00 TO STA.163+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320-119-11.70 00		2001	KANAWHA	61	265

⑤ STA. 163+79, 4.83' RT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

⑥ STA. 168+14, 0.5' LT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

⑦ STA. 172+49, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

⑧ STA. 176+24, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

STA 163+00 TO 174+00 LT.
1100 LF GUARDRAIL
1 CUT SLOPE TERMINAL (B)
1100 LF GUARDRAIL REMOVAL

STA. 173+00 - 178+00, LT.
TYPE B MATTING
L = 500', W = 8.2'

STA 163+50 TO 178+00
1511.68 LF TYPE III CURB LT.
1501.23 LF TYPE III CURB RT.

MATCH LINE STA. 163+00

MATCH LINE STA. 178+00

RTE. 214

PARKWAY ROAD

STA. 163+28.00
207.00' LT.

STA. 164+30.00
184.00' LT.

STA. 165+32.00
178.00' LT.

STA. 166+35.00
180.00' LT.

STA. 167+36.00
191.00' LT.

STA. 168+40.00
208.00' LT.

STA. 169+34.00
251.00' LT.

STA. 169+47.00
242.00' LT.

STA. 171+00.00
256.27' LT.

STA. 171+40.00
260.00' LT.

STA. 171+85.00
212.95' LT.

STA. 172+50.00
145.00' LT.

STA. 173+00.00
360.00' LT.

STA. 173+00.00
304.00' LT.

EXIST. DRAIN. EASE.

EXIST. C.A.R/W

DO NOT DISTURB

10'-6" FDB OUTLET PIPE & SLOPEWALL

REMOVE EXIST. GUARDRAIL

TYPE 1 GUARDRAIL

CUT SLOPE TERMINAL
STA 174+00 80.00' LT.

15:1 FLARE

4' F.B. DITCH

PLAIN CONC. CURB TYPE III

PC STA. 166+27.5
PRC Sta 167+28.15
R=940.00'
181.0' LT.
14.00' LT.

PC STA. 177+11.21
R=840.00'
18.00' RT.

165+00

170+00

175+00

N48°13'16"E

PRC Sta 168+28.13
R=840.00'
20.0' LT.

48'

36'

LIMITS OF MILLING AND RESURFACING
13.00' RT. OF CL

STA. 163+77.00
218.11' RT.

STA. 166+00.00
300.00' RT.

EXISTING GUARDRAIL TO REMAIN

STA. 167+00.00
205.00' RT.

STA. 169+25.00
218.50' RT.

STA. 169+25.00
275.00' RT.

STA. 169+50.00
220.00' RT.

STA. 169+90.00
218.00' RT.

STA. 169+90.00
275.00' RT.

4" GAS (Nitrogen)

Gas Pole

Gas Rdr.

15" WATER

FH

TOYS 'R' US

STORE

NOTE: STATION AND OFFSETS ARE TO EDGE OF TRAVEL LANE.
SEE INTERSECTION DETAILS SHEET 24 FOR ADDITIONAL INFORMATION.

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA. 163+00 TO STA. 178+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	62	265

(9) STA. 181+25, 5.42' RT.
MODIFY - REMOVE 1.0' OF EX. TYPE 'G' INLET & CAP EX. TYPE 'G' INLET
CAP TOP EL. = 757.67

(10) STA. 185+00, ℄
MODIFY - TIE IN 18" CSP & CAP EX. TYPE 'G' INLET @TOP GRATE ELEV.

(11) STA. 185+00, 12.2' RT.
TYPE 'B' INLET
11.4' ~ 18" CSP
GRATE EL. = 871.40
F.L. = 867.90

(12) STA. 186+00, 14.2' RT.
TYPE 'B' INLET
98.5" ~ 18" CSP
GRATE EL. = 873.47
F.L. = 869.97

(13) STA. 188+88, 17.0' RT.
TYPE 'B' INLET
8.5' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 878.09
F.L. = 873.22

(14) STA. 188+90, 10.9' RT.
REMOVE EX. TYPE 'G' INLET
STA 188+88, 8.6' RT
TYPE 'B' INLET
13.2' ~ 18" CSP &
1 ~ 15° PREFABRICATED 18" CMP BEND
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 878.47
F.L. = 872.84

(15) STA. 189+00, ℄
REMOVE EX. M.H., REMOVE EX. 18" CMP IN, & 3.0' ~ EX. 18" CMP OUT

(15A) STA. 190+47.9, 10.4' RT.
REMOVE EX. MANHOLE

(15B) STA. 190+50, 7.0' RT.
TYPE 'B' INLET
161.1' ~ 18" CSP
GRATE EL. = 880.28
F.L. = 876.06

(16) STA. 189+50, 85.76' RT.
TYPE 'G' INLET
54.4' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
9.6 SY ~ CONCRETE GUTTER
GRATE EL. = 879.00
F.L. = 875.50

(17) STA. 190+04, 82.2' RT.
MODIFY - TIE IN 18" CSP & CAP EX. TYPE 'G' INLET @ TOP GRATE ELEV.

STA. 181+04, 99' RT.
6 SY CONCRETE GUTTER

STA.178+00 TO 180+00, LT
TYPE B MATTING
L = 200', W = 8.2'

STA.181+50 TO 187+50, RT
TEMPORARY MATTING
L = 600', W = 8.2'

STA.181+50 TO 184+00, LT
TEMPORARY MATTING
L = 250', W = 7.4'

STA.181+27.08 TO 191+50 LT.
1177 LF GUARDRAIL
1 BUFFER END SECTION
1300 LF GUARDRAIL REMOVAL

STA.191+21 TO 191+50 RT.
29 LF GUARDRAIL
1 TANGENT END TERMINAL

STA.186+89.13 TO 187+59.84
75.39 LF TYPE I CURB AND GUTTER RT.
STA.188+93.69 TO 189+33.12
43.92 LF TYPE I CURB AND GUTTER RT.

STA.178+00 TO 180+02.35
153.54 LF TYPE III CURB LT.
STA.181+15.54 TO 188+16.32
708.63 LF TYPE III CURB LT.
STA.188+70.19 TO 191+50
281.13 LF TYPE III CURB LT.

STA.178+00 TO 180+02.35
153.72 LF TYPE III CURB RT.
STA.181+15.54 TO 188+16.32
683.15 LF TYPE III CURB RT.
STA.188+70.19 TO 191+50
279.14 LF TYPE III CURB RT.

STA.181+07 TO 183+10
250 LF 6' R/W FENCE LT.

NOTE: SEE INTERSECTION DETAILS SHEET 25 AND 26 FOR ADDITIONAL INFORMATION.

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET
STA.178+00 TO STA.191+50

Public Roads Sys.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	63	265

(18) STA. 194+50, 12.0' RT.
TYPE 'B' INLET
49.8' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 880.99
F.L. = 877.14

(18A) STA. 195+00, 7.0' RT.
TYPE 'B' INLET
198.4' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 880.92
F.L. = 876.35

(18B) STA. 197+00, 0.5' RT.
TYPE 'B' INLET
98.3' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 879.53
F.L. = 873.33

(19) STA. 198+00, ℄
MODIFY - REMOVE 1.0' OF EX. TYPE 'G' INLET, TIE IN 18" CSP & CAP EX. TYPE 'G' INLET
TOP OF CAP EL. = 875.07

(20) STA. 199+18, 81.9' LT.
REMOVE EX. END SECTION & 3.0' EX. 24" CMP
9.0' ~ 24" CMP

(21) STA. 199+22.44, 89.20' LT.
TYPE 'G' INLET
123.2 ~ 24" CSP
6 SY ~ CONCRETE GUTTER
GRATE EL. = 870.16
F.L. = 867.16

(22) STA. 200+50, 90.7' LT.
TYPE 'G' INLET
43.0' ~ 30" CSP
TIE IN 6" FDB OUTLET PIPE
14.9 SY - CONCRETE GUTTER
GRATE EL. = 867.76
F.L. = 863.76

(23) STA. 200+56.47, 137.22' LT.
REMOVE EX. HEADWALL
SPECIAL MANHOLE
RIM EL. = 870.88
F.L. = 835.95

(23A) STA. 8+00, 48.43' RT (CONN. NO. 7)
REMOVE EX. END SECTION
92.5' ~ 18" CSP

(24) STA. 200+67, 5.8' LT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(25) STA. 203+29, 100.77' LT.
MODIFY - TIE IN 24" CSP & CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(26) STA. 203+50, 112.50' LT.
TYPE 'G' INLET
25.3' ~ 24" CSP
9.6 SY - CONCRETE GUTTER
GRATE EL. = 857.60
F.L. = 854.10

(27) STA. 205+00, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

STA.191+50 - 200+50, RT.
TEMPORARY MATTING
L = 900', W = 14'

STA.195+00 - 199+22, LT.
TEMPORARY MATTING
L = 422', W = 9'

STA.199+22 - 200+50, LT.
TEMPORARY MATTING
L = 128', W = 9'

STA.202+50 - 203+50, LT.
TEMPORARY MATTING
L = 100', W = 13'

STA.203+50 - 206+00, LT.
TEMPORARY MATTING
L = 250', W = 10.8'

CURVE NO. 8
PI = 190+17.85
Δc = 16°19'06.01" LT.
D = 3°00'00.00"
R = 1909.86'
L = 543.94'
T = 273.83'
SE = 0.067'/FT.
E = 19.53'
Ts = 579.39'
Ls = 300.00'
Θs = 4°29'59.99"
Es = 49.60'
p = 1.96'
k = 149.97'
Xc = 299.81'
Yc = 7.85'
LT. = 200.06'
S.T. = 100.06'
LC. = 299.92'
Δ = 25°19'06.00" LT.

CONN. NO. 7
PI = 8+40.83
Δ = 18°17'27.91" LT.
D = 19°05'54.94"
R = 300.00'
L = 95.77'
T = 48.30'
SE = 0.000'/FT.

CONN. NO. 7
PI = 11+59.00
Δ = 37°13'13.87" LT.
D = 32°44'25.60"
R = 175.00'
L = 113.68'
T = 58.93'
SE = 0.000'/FT.

MATCH LINE STA. 191+50

MATCH LINE STA. 206+00

STA.196+00.00 255.00' LT.

BEGIN 6' R/W FENCE CONNECT TO EXISTING STA.198+96.51 197.21' LT.

CUT SLOPE TERMINAL STA.194+00.00 82.65' LT.

STA.191+60.00 120.00' LT.

STA.199+30.81 191.09' LT.

STA.200+40.00 170.00' LT.

END 6' R/W FENCE STA.201+34.00 171.55' LT.

EXIST. SANITARY LIFT STATION TO REMAIN

REMOVE EXIST. GUARDRAIL

STA.198+68.55 102.12' LT.

STA.200+36.28 106.85' LT.

END 40:1 (480' TAPER)

STA.198+26.55 BEGIN 40:1 TAPER

PT Sta 198+26.55 14.74' LT.

PRC Sta 197+21.55 5.50' LT.

PC Sta 195+95.56 4.00' RT.

PT Sta 195+82.41 19.42' RT.

PC Sta 196+26.39 19.12' RT.

PRC Sta 197+26.41 11.12' RT.

PT Sta 198+26.55 3.11' RT.

R=840.00'

4' F.B. DITCH

24" CSP

18" CSP

15' ~ 6" FDB OUTLET PIPE & SLOPEWALL

24' ~ 6" FDB OUTLET PIPE

14.8' ~ 6" FDB OUTLET PIPE & SLOPEWALL

5' ~ 6" FDB OUTLET PIPE

40:1 TAPER

50:1 (600' TAPER)

195+00

200+00

205+00

N22°54'10"E

S67°05'50"E

END REMOVAL EXISTING GUARDRAIL STA.7+50.00

BUFFER END SECTION

CONNECT TO EXISTING EXIST. FORCEMAIN TO REMAIN

STA.200+94.55 281.56' LT.

STA.200+58.88 278.92' LT.

EXIST. R/W

LIMITS OF MILLING AND RESURFACING STA.8+00

8+00 CONN. NO. 7

7+00

6+00

4+10

EXISTING GUARDRAIL TO REMAIN

RHL BOULEVARD

EXIST. R/W

S48°48'22"W

4" GAS

STA.202+89.00 190.00' LT.

STA.203+45.00 195.00' LT.

17.8" ~ 6" FDB OUTLET PIPE & SLOPEWALL

DO NOT DISTURB

EXIST. C.A.R/W

PC Sta 7+92.53

R75'

BEGIN TAPER STA.204+07.78 68.0' LT.

4' F.B. DITCH

PT Sta 8+88.30

PT Sta 204+96.08 20.00' LT.

20:1 (240' TAPER)

STA.205+45.00 138.00' LT.

STA.205+25.00 116.00' LT.

24" CSP

REMOVE EXIST. GUARDRAIL

TO REMAIN

PLAIN CONC. CURB TYPE III

END NB LANE SHIFT TRANS. STA.201+82.41

STA.202+05.00 75.00' RT.

EXIST. C.A.R/W

WV RTE. 214

EXISTING GUARDRAIL TO REMAIN

EXIST. R/W

TERM. ROAD 13+00

N75°40'56"E

14+07

11+00

10+00

STA.201+50.00 MAINLINE = STA.10+00.00 CONN. NO. 7 (LT. & RT.)

STA.199+50.00 103.00' RT.

STA.200+50.00 126.67' RT.

LIMITS OF MILLING AND RESURFACING STA.11+06.85

STA.196+95.00 94.00' RT.

STA.195+82.41 94.00' RT.

STA.192-73.91 94.00' RT.

STA.192-82.41 94.00' RT.

BEGIN NB LANE SHIFT TRANS.

STET STA.191+66.50 72.00' RT.

STA.191+50 TO 200+99.18
1085.09 LF TYPE III CURB LT.
STA.202+04.15 TO 206+00
398.51 LF TYPE III CURB LT.

STA.191+50 TO 200+99.18
950.69 LF TYPE III CURB RT.
STA.202+04.15 TO 206+00
396.74 LF TYPE III CURB RT.

STA.191+50 TO 194+00 LT.
250 LF GUARDRAIL
1 BUFFER END SECTION
1 CUT SLOPE TERMINAL (A)
1140 LF GUARDRAIL REMOVAL

STA.191+50 TO 191+66.50 RT.
16.50 LF GUARDRAIL
1 STET

STA.198+68.55 TO 201+34
423 LF 6' R/W FENCE LT.

NOTE: STATION AND OFFSET ARE TO EDGE OF TRAVEL LANE.
SEE INTERSECTION DETAIL SHEET 27 FOR ADDITIONAL INFORMATION.

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA.191+50 TO STA.206+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320-119-11.70 00		2001	KANAWHA	64	265

(28) STA. 206+26.7, 81.4' LT.
REMOVE EX. TYPE 'G' INLET
& 7.9 ~ EX. 24" RCP

(29) STA. 206+26.7, 89.2' LT.
TIE INTO EX. 24" RCP
MOD. TYPE 'G' INLET
9.6 SY - CONCRETE GUTTER
GRATE EL. = 854.28
F.L. = 845.47

(30) STA. 209+85.3, 74.8' LT.
REMOVE EX. HEADWALL
& 3.0' ~ 24" CMP

(31) STA. 209+86.7, 76.9' LT.
TYPE 'G' INLET
6.6' ~ 24" CMP
6.0 SY - CONCRETE GUTTER
GRATE EL. = 848.45
F.L. = 845.30

(32) STA. 210+00, 1.0' RT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(33) STA. 213+00, 17.0' LT.
TYPE 'B' INLET
198.9' ~ 18" CSP
GRATE EL. = 844.41
F.L. = 840.91

(34) STA. 215+00, 17.0' LT.
TYPE 'B' INLET
15.9' ~ 18" CSP
GRATE EL. = 839.58
F.L. = 836.08

(35) STA. 215+00, ℄
MODIFY - REMOVE 1.67' OF
EX. TYPE 'G' INLET, TIE IN
18" CSP & CAP EX. TYPE 'G' INLET
CAP TOP EL. = 837.57

(36) STA. 217+00, 17.0' LT.
TYPE 'B' INLET
14.9' ~ 18" CSP
GRATE EL. = 835.19
F.L. = 831.69

(37) STA. 217+00, 2.31'± LT.
TIE INTO EX. 18" CMP
W/ 18" CMP TEE
CALC. F.L. = 830.26

(38) NOT USED

(39) NOT USED

(40) STA. 217+80, 14.32' LT.
TYPE 'A' INLET
8.2' ~ 18" CSP
GRATE EL. = 833.30
F.L. = 829.80

(41) STA. 217+82, 5.26' LT.
MODIFY - REMOVE 0.67' OF
EX. TYPE 'G' INLET, TIE IN
18" CSP & CAP EX. TYPE 'G' INLET
CAP TOP EL. = 831.15

(42) STA. 217+70, 83.2' LT.
TYPE 'G' INLET
22.1' ~ 30" CSP
TIE IN 6" FDB OUTLET PIPE
6.8 SY - CONCRETE GUTTER
GRATE EL. = 831.87
F.L. = 828.14

(43) STA. 217+93, 83.6' LT.
MODIFY - TIE IN 30" CSP
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(44) STA. 218+22, 83.5' LT.
MODIFY EX. TYPE 'B' INLET
TO FINISH GRADE

(45) STA. 219+02, 108.5' LT.
MODIFY EX. TYPE 'B' INLET
TO FINISH GRADE

STA. 206+00 - 206+25, LT.
TEMPORARY MATTING
L = 25', W = 10.8'

STA. 207+00 - 209+85, LT.
TTEMPORARY MATTING
L = 285', W = 8.2'

STA. 209+85 - 217+70, LT.
TEMPORARY MATTING
L = 785', W = 12.3'

STA. 220+00 - 220+50, LT.
TYPE B MATTING
L = 50', W = 9.8'

MATCH LINE STA. 206+00

MATCH LINE STA. 220+50

12.5'~ 6" FDB OUTLET PIPE & SLOPEWALL

DO NOT DISTURB

END TAPER STA. 206+47.78 56.0' L

STA. 208+83.00 95.00' LT.

REMOVE EXIST. GUARDRAIL

4' F.B. DITCH

STA. 209+31.44 92.43' LT.

5.0'~ 6" FDB OUTLET PIPE, TIE INTO EX. 24" CMP

24" CMP

STA. 210+92.60 106.68' LT.

BEGIN 4' CHAINLINK R/W FENCE

STA. 211+66.25 91.92' LT.

REMOVE EXISTING FENCE

EXIST. C.A. R/W

PLAIN CONC. CURB TYPE III

CURVE NO. 9
PI = 214+18.44
Δ = 06°30'34.99" RT.
D = 1°00'00"
R = 5729.58'
L = 650.97'
T = 325.84'
SE = 0.029'/FT.
E = 9.29'

17.5'~ 6" FDB OUTLET PIPE

STA. 215+84.52 91.91' LT.

STA. 217+43.54 91.92' LT.

30" CSP

END 4' CHAINLINK R/W FENCE

STA. 218+06.34 143.90' LT.

LIMITS OF MILLING AND RESURFACING

STA. 219+19.19 147.65' LT.

DUDLEY FARMS BLVD.

RHL BOULEVARD

EAT N PARK

STORE BRICK CONC.

N62°29'01"W

N22°54'10"E

N29°24'45"E

210+00

215+00

220+00

11+00

12+00

13+00

13+72

18" CSP

18" CSP

18" CSP

STA. 210+92.60 75.00' RT.

STA. 211+50.00 92.00' RT.

STA. 211+40.00 96.00' RT.

STA. 212+00.00 92.00' RT.

PC Sta 210+92.60

PI Sta 211+40.00

PRC Sta 211+98.46

PC Sta 213+10.19

PRC Sta 213+98.46

PC Sta 215+47.30

PRC Sta 217+43.98

PI Sta 217+43.98

R = 840.00'

8.00' RT.

8.00' LT.

2.67' RT.

1.00' LT.

STA. 215+54.00 105.00' RT.

STA. 216+75.00 115.00' RT.

STA. 215+58.00 139.00' RT.

EXISTING GUARDRAIL TO REMAIN

STA. 218+67.75 MAINLINE = STA. 10+00.00 DUDLEY FARMS BLVD.

DO NOT DISTURB

LIMITS OF MILLING AND RESURFACING

EXIST. C.A. R/W

EXIST. R/W

RTE. 214

STA. 211+66 TO 218+06
670 LF 4' R/W FENCE LT.

SMITH MOTOR CO.

STA. 206+00 TO 217+89.70
1197.10 LF TYPE III CURB LT.
STA. 219+13.60 TO 220+00
137.60 LF TYPE III CURB LT.

STA. 206+00 TO 217+89.70
1192.39 LF TYPE III CURB RT.
STA. 219+13.60 TO 220+00
136.00 LF TYPE III CURB RT.

STA. 217+43.51 TO 11+34.81
116.86 LF TYPE I CURB AND GUTTER LT.
STA. 11+39.23 TO 219+68.41
111.78 LF TYPE I CURB AND GUTTER LT.

APPLEBEE'S

NOTE: STATION AND OFFSET ARE TO EDGE OF TRAVEL LANE.
SEE INTERSECTION DETAIL SHEET 28 FOR ADDITIONAL INFORMATION.

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA. 206+00 TO STA. 220+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	65	265

NOTE: STATION AND OFFSET ARE TO EDGE OF TRAVEL LANE.

STA. 220+50 - 224+14, LT.
TYPE B MATTING
L = 364', W = 9.8'

STA. 224+14 - 231+00, LT.
TYPE B MATTING
L = 686', W = 8.1'

STA. 231+00 - 234+00, LT.
TEMPORARY MATTING
L = 300', W = 7.3'

CURVE NO. 10

PI = 231+28.20		Es = 41.73'	
Δc = 14°10'23.01" LT.		p = 1.96'	
D = 3°00'00"		k = 149.97'	
R = 1909.86'		Xs = 299.81'	
L = 472.44'		Ys = 7.85'	
T = 237.43'		LT. = 200.06'	
SE = 0.067'/FT.		ST. = 100.06'	
E = 14.70'		LC. = 299.92'	
Ts = 541.94'		Δ = 23°10'23" LT.	
Ls = 300.00'			
Θs = 4°29'59.99"			

END RIGHT TURN LANE
END 4' SHOULDER
BEGIN TAPER
STA. 222+70.56
68' LT.

STA. 224+92.35
165.13' LT.

STA. 224+93.46
129.93' LT.

STA. 225+33.19
112.92' LT.

BEGIN 10' SHOULDER
END TAPER
STA. 226+30.56
56' LT.

STA. 227+16.00
113.00' LT.

STA. 229+55.00
129.00' LT.

STA. 230+05.00
131.00' LT.

STA. 232+19.25
127.22' LT.

STA. 233+30.14
129.70' LT.

MATCH LINE STA. 220+50

MATCH LINE STA. 234+00

HOLIDAY INN
5 STORY STUCCO/BRICK COM.

ARBY'S
1 STORY STUCCO COM.

EXIST. C.A.R/W

5'-6" FDB OUTLET PIPE TIE INTO EX. 30" CMP

30" CMP

30:1 (360' TAPER)

4' F.B. DITCH

5'-6" FDB OUTLET PIPE TIE INTO EX. 24" CMP

24" CMP

5'-6" FDB OUTLET PIPE

PLAIN CONC. CURB TYPE III

CURVE NO. 10

N29°24'45"E

225+00

230+00

EXISTING GUARDRAIL TO REMAIN

DO NOT DISTURB

5'-6" FDB OUTLET PIPE

EXIST. C.A.R/W

ST.A. 225+00.00
190.00' RT.

ST.A. 226+53.00
140.00' RT.

ST.A. 227+65.00
142.00' RT.

ST.A. 224+50.00
230.00' RT.

ST.A. 230+50.00
130.00' RT.

ST.A. 231+25.00
205.00' RT.

ST.A. 232+34.00
235.00' RT.

ST.A. 223+27.00
328.00' RT.

ST.A. 222+20.00
328.00' RT.

ST.A. 220+50 TO 234+00
1361.92 LF TYPE III CURB LT.

ST.A. 220+50 TO 234+00
1346.08 LF TYPE III CURB RT.

1 STORY FRAME RES.

1 STORY BLOCK RES.

TRAILER RES.

1 STORY FRAME GAR.

1 STORY BLOCK GAR.

WV RTE. 214

EXIST. R/W

O.E.

4" GAS

W.S.

San.

E 1785000

N 484250

N 485750

E 786000

(46) STA. 222+00, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(47) STA. 224+14.54, 68.28' LT.
MODIFY - REMOVE 0.33" OF EX. TYPE 'G' INLET, TIE IN 30" CSP, TIE IN 6" FDB OUTLET PIPE & CAP EX. TYPE 'G' INLET
CAP TOP EL. = 810.38

(48) STA. 224+14.54, 81.8' LT.
TYPE 'G' INLET
9.2' ~ 30" CSP
6 SY - CONCRETE GUTTER
GRATE EL. = 810.00
F.L. = 807.00

(49) STA. 227+00, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(50) STA. 231+00, ℄
MODIFY - TIE IN 18" CSP & CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(50A) STA. 231+00, 5.0' RT.
TYPE 'B' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 782.08
F.L. = 777.58

(51) STA. 231+00, 68.41' LT.
REMOVE EX. TYPE 'G' INLET & 3.0' ~ EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE

(52) STA. 231+00, 78.0' LT
TYPE 'G' INLET
12.6' ~ 24" CMP
6 SY - CONCRETE GUTTER
GRATE EL. = 777.24
F.L. = 774.81

(53) NOT USED

(54) NOT USED

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA. 220+50 TO STA. 234+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	66	265

55 STA. 234+00, 7.0' LT.
TYPE 'B' INLET
98.1' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 765.68
F.L. = 761.68

56 STA. 235+00, 7.0' LT.
TYPE 'B' INLET
89.3' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 761.67
F.L. = 757.67

57 NOT USED

58 NOT USED

59 STA. 235+91, 5.58' LT.
REMOVE EX. TYPE 'G' INLET
STA. 235+91, 7.0' LT.
TYPE 'A' INLET
TIE INTO EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 758.00
18" F.L. IN = 753.96
24" F.L. OUT = 751.84

60 STA. 235+68, 77.9' LT.
TYPE 'G' INLET
15.3' ~ 18" CSP
6 SY ~ CONCRETE GUTTER
GRATE EL. = 755.17
F.L. = 753.17

61 STA. 235+76, 66.0' LT.
MODIFY ~ TIE IN 18" CSP,
TIE IN 6" FDB OUTLET PIPE
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

62 STA. 236+19, 68.9' LT.
MODIFY EX. M.H. TO
FINISH GRADE

63 STA. 236+23, 102.1' LT.
MODIFY EX. TYPE 'B' INLET
TO FINISH GRADE

64 STA. 236+89, 100.4' LT.
MODIFY EX. TYPE 'B' INLET
TO FINISH GRADE

65 STA. 237+27, 69.4' LT.
MODIFY EX. TYPE 'B' INLET
TO FINISH GRADE

66 STA. 240+50, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

67 STA. 245+00, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

67A STA. 245+00, 17.0' LT.
TYPE 'B' INLET
TIE INTO EX. 24" CMP
GRATE EL. = 734.59
F.L. = 730.45

68 STA. 245+00, 68.34' LT.
REMOVE EX. TYPE 'G' INLET
& 3.0' ~ EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE

69 STA. 245+00, 83.57' LT.
TYPE 'G' INLET
18.2' ~ 24" CMP
6 SY ~ CONCRETE GUTTER
GRATE EL. = 734.14
F.L. = 731.70

70 STA. 248+25, 12.2' LT.
TYPE 'B' INLET
11.3' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 730.31
F.L. = 726.31

70A STA. 248+32, 3.8' LT.
TIE INTO EX. 24" CMP
W/18" X 24" CMP TEE
CALC. F.L. = 723.35

70B STA. 248+50, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

STA. 245+35 TO 247+25 RT.
190 LF GUARDRAIL
1 SET
190 LF GUARDRAIL REMOVAL

STA. 234+00 TO 236+18.60
220.04 LF TYPE III CURB LT.
STA. 236+86.25 TO 248+50
1170.24 LF TYPE III CURB LT.

STA. 234+00 TO 236+18.60
217.48 LF TYPE III CURB RT.
STA. 236+86.25 TO 248+50
1167.06 LF TYPE III CURB RT.

STA. 235+73.55 TO 14+53.69
77.49 LF TYPE I CURB AND GUTTER LT.
STA. 14+36.97 TO 237+38.15
76.81 LF TYPE I CURB AND GUTTER LT.

CURVE NO. II

PI = 249+15.93		Es = 83.79'	
Δc = 24°54'29.95" RT.		p = 2.29'	
D = 3°30'00.02"		k = 149.96'	
R = 1637.02'		Xs = 299.75'	
Lc = 711.61'		Ys = 9.16'	
T = 361.54'		LT = 200.09'	
SE = 0.073'/FT.		S.T. = 100.08'	
E = 39.45'		Lc = 299.89'	
Ts = 673.26'		Δ = 35°24'30.00" RT.	
Ls = 300.00'			
Θs = 5°15'00.03"			

CURVE NO. 10

PI = 231+28.20		Es = 41.73'	
Δc = 14°10'23.01" LT.		p = 1.96'	
D = 3°00'00.00"		k = 149.97'	
R = 1909.86'		Xs = 299.81'	
L = 472.44'		Ys = 7.85'	
T = 237.43'		LT = 200.06'	
SE = 0.067'/FT.		S.T. = 100.06'	
E = 14.70'		Lc = 299.92'	
Ts = 541.94'		Δ = 23°10'23.00" LT.	
Ls = 300.00'			
Θs = 4°29'59.99"			

NOTE: STATION AND OFFSET ARE TO EDGE OF TRAVEL LANE.
SEE INTERSECTION DETAIL SHEET 29 FOR ADDITIONAL INFORMATION.

STA. 234+00 - 235+66, LT.
TEMPORARY MATTING
L = 168', W = 7.3'

STA. 237+50 - 245+00, LT.
TEMPORARY MATTING
L = 750', W = 9.8'

STA. 245+00 - 248+50, LT.
TEMPORARY MATTING
L = 350', W = 9.9'

STA. 247+50 - 248+50, RT.
TYPE B MATTING
L = 100', W = 10.8'

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA. 234+00 TO STA. 248+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	67	265

(71) STA. 249+05.39, 67.59' LT.
REMOVE EX. TYPE 'G' INLET
& 3.0" ~ EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE

(72) STA. 249+09.74, 71.71' LT.
TYPE 'G' INLET
9.1' ~ 24" CMP
6 SY - CONCRETE GUTTER
GRATE EL. = 729.57
F.L. = 725.82

(73) STA. 252+00, 5.9' LT.
TYPE 'B' INLET
148.6' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 720.74
F.L. = 716.74

(74) STA. 253+50, 5.0' LT.
TYPE 'B' INLET
4.6' ~ 18" CSP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 715.95
F.L. = 711.95

(75) STA. 253+50, 0.7' RT.
MODIFY - TIE IN 18" CSP
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(76) STA. 254+50, 5.0' LT.
TYPE 'B' INLET
7.4' ~ 18" CSP.
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 712.55
F.L. = 708.55

(77) STA. 254+50, 2.1' RT.
TIE INTO EX. 18" CMP
W/ 18" CMP TEE
CALC. F.L. = 706.14

(78) NOT USED

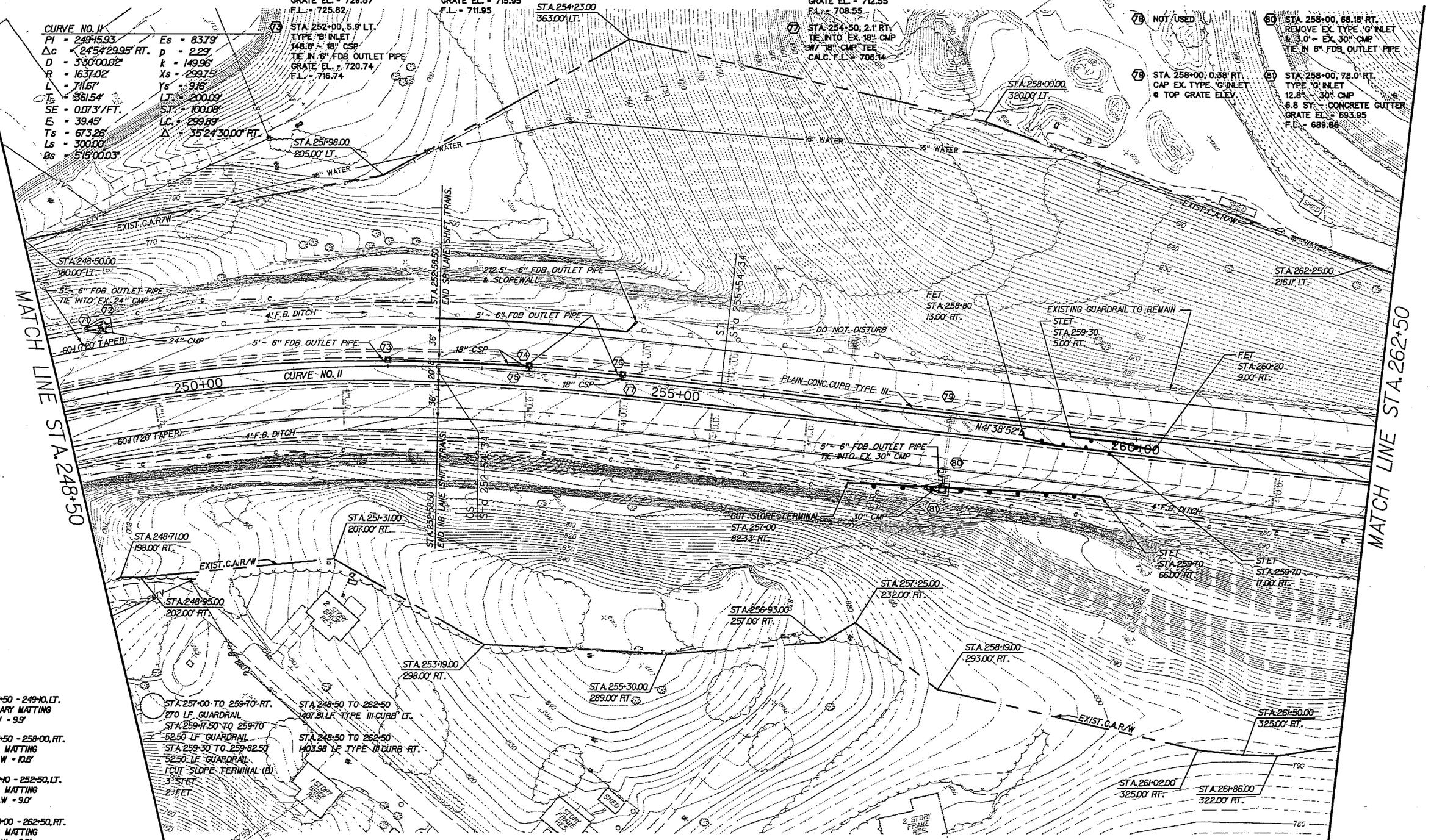
(79) STA. 258+00, 0.38' RT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

(80) STA. 258+00, 68.18' RT.
REMOVE EX. TYPE 'G' INLET
& 3.0' ~ EX. 30" CMP
TIE IN 6" FDB OUTLET PIPE

(81) STA. 258+00, 78.0' RT.
TYPE 'G' INLET
12.8' ~ 30" CMP
6.8 SY - CONCRETE GUTTER
GRATE EL. = 693.95
F.L. = 689.86

CURVE NO. 11

PI	= 249+15.93	Es	= 83.79'
Δc	= 24°54'29.95" RT.	p	= 2.29'
D	= 3°30'00.02"	k	= 149.96'
R	= 1637.02'	Xs	= 299.75'
L	= 711.67'	Ys	= 9.16'
T	= 361.54'	LT.	= 200.09'
SE	= 0.073'/FT.	S.T.	= 100.08'
E	= 39.45'	L.C.	= 299.89'
Ts	= 673.26'	Δ	= 35°24'30.00" RT.
Ls	= 300.00'		
Øs	= 5°15'00.03"		



STA. 248+50 - 249+10, LT.
TEMPORARY MATTING
L = 60', W = 9.9'

STA. 248+50 - 258+00, RT.
TYPE B MATTING
L = 950', W = 10.6'

STA. 249+10 - 252+50, LT.
TYPE B MATTING
L = 340', W = 9.0'

STA. 258+00 - 262+50, RT.
TYPE B MATTING
L = 450', W = 9.0'

STA. 257+00 TO 259+70 RT.
270 LF GUARDRAIL
STA. 259+17.50 TO 259+70
52.50 LF GUARDRAIL
STA. 259+30 TO 259+82.50
52.50 LF GUARDRAIL
1 CUT SLOPE TERMINAL (B)
3 STET
2 FET

STA. 248+50 TO 262+50
1407.81 LF TYPE III CURB LT.

STA. 248+50 TO 262+50
1403.98 LF TYPE III CURB RT.

SCALE : 0 50 ft.

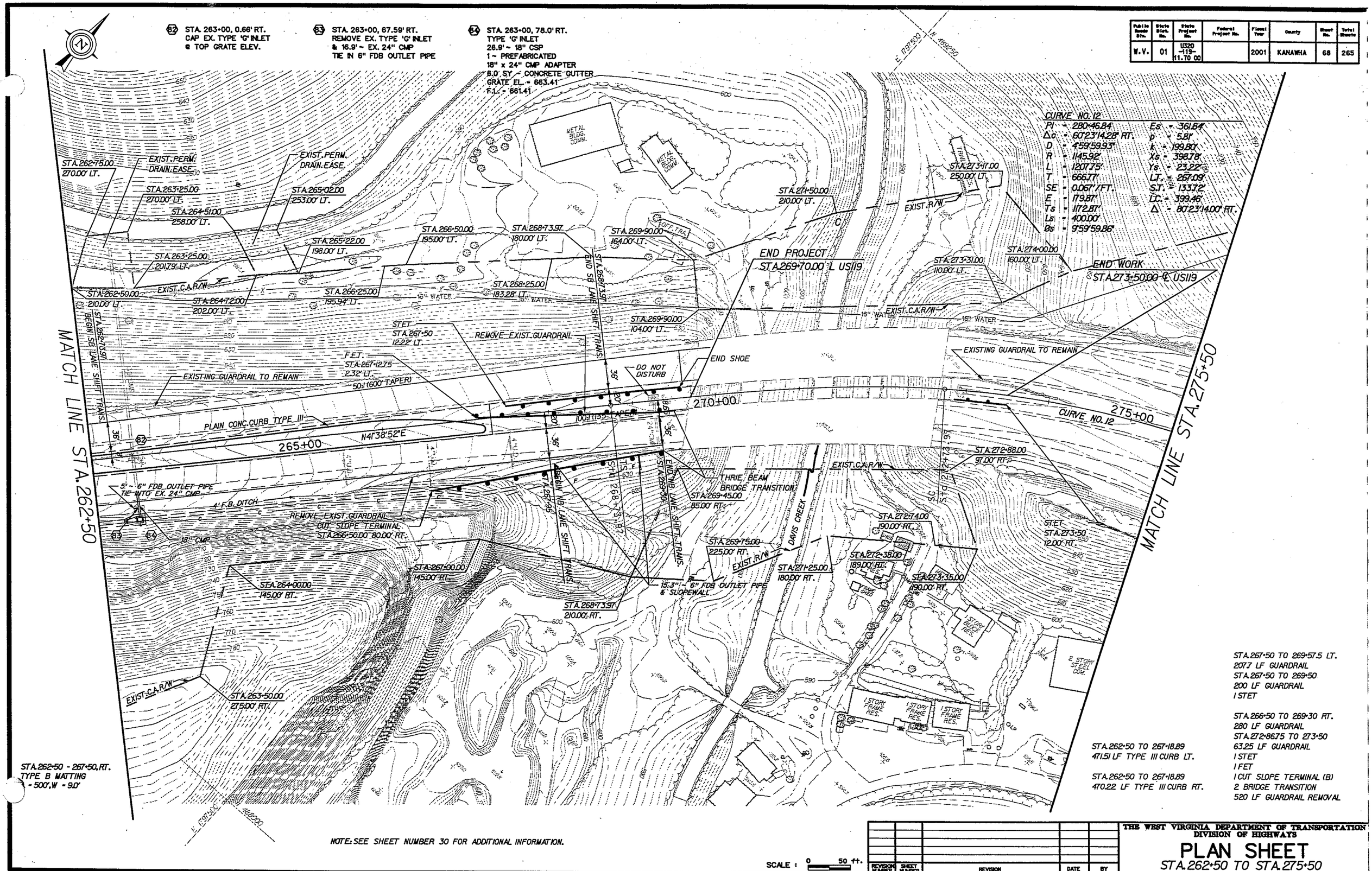
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA. 248+50 TO STA. 262+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	68	265



NOTE: SEE SHEET NUMBER 30 FOR ADDITIONAL INFORMATION.

SCALE : 0 50 ft.

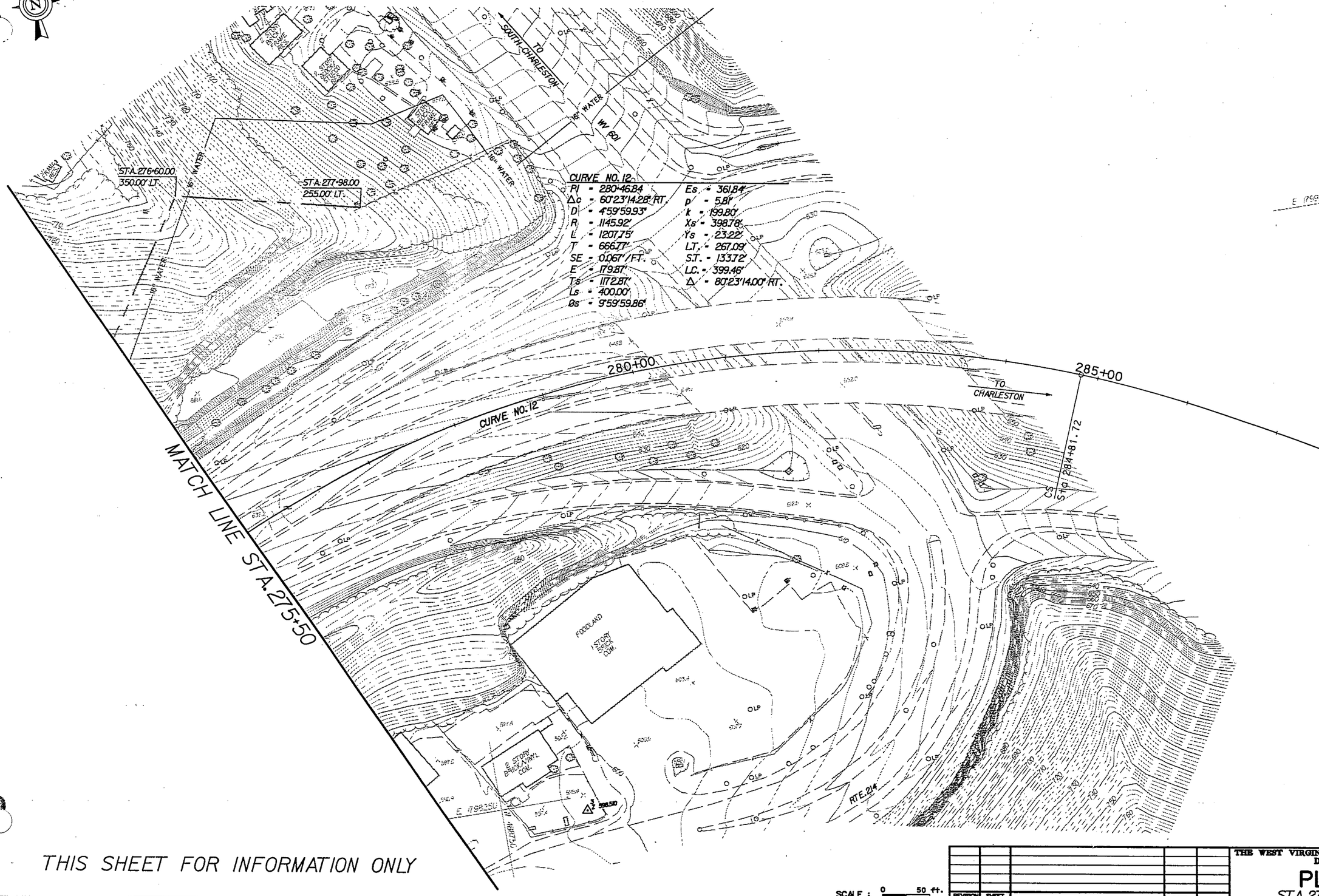
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN SHEET

STA.262+50 TO STA.275+50

Public Roads Div.	State Distr. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	69	265



THIS SHEET FOR INFORMATION ONLY

SCALE : 0 50 ft.

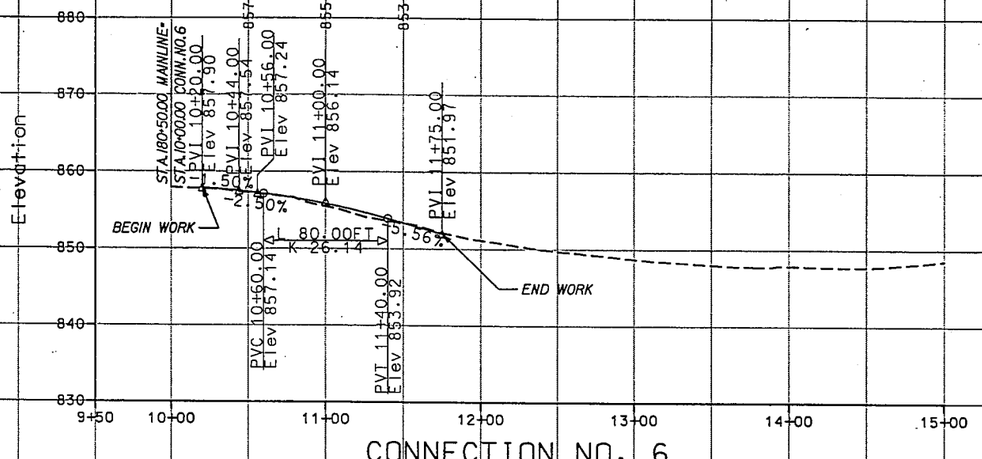
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

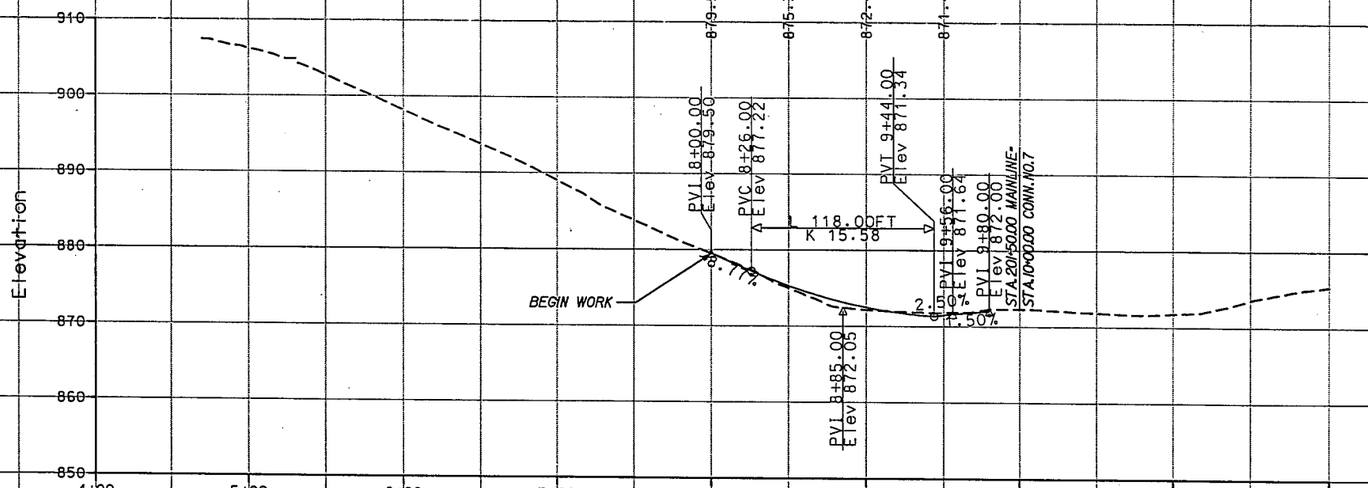
PLAN SHEET

STA. 275+50 TO STA. 287+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	70	265



CONNECTION NO. 6



CONNECTION NO. 7

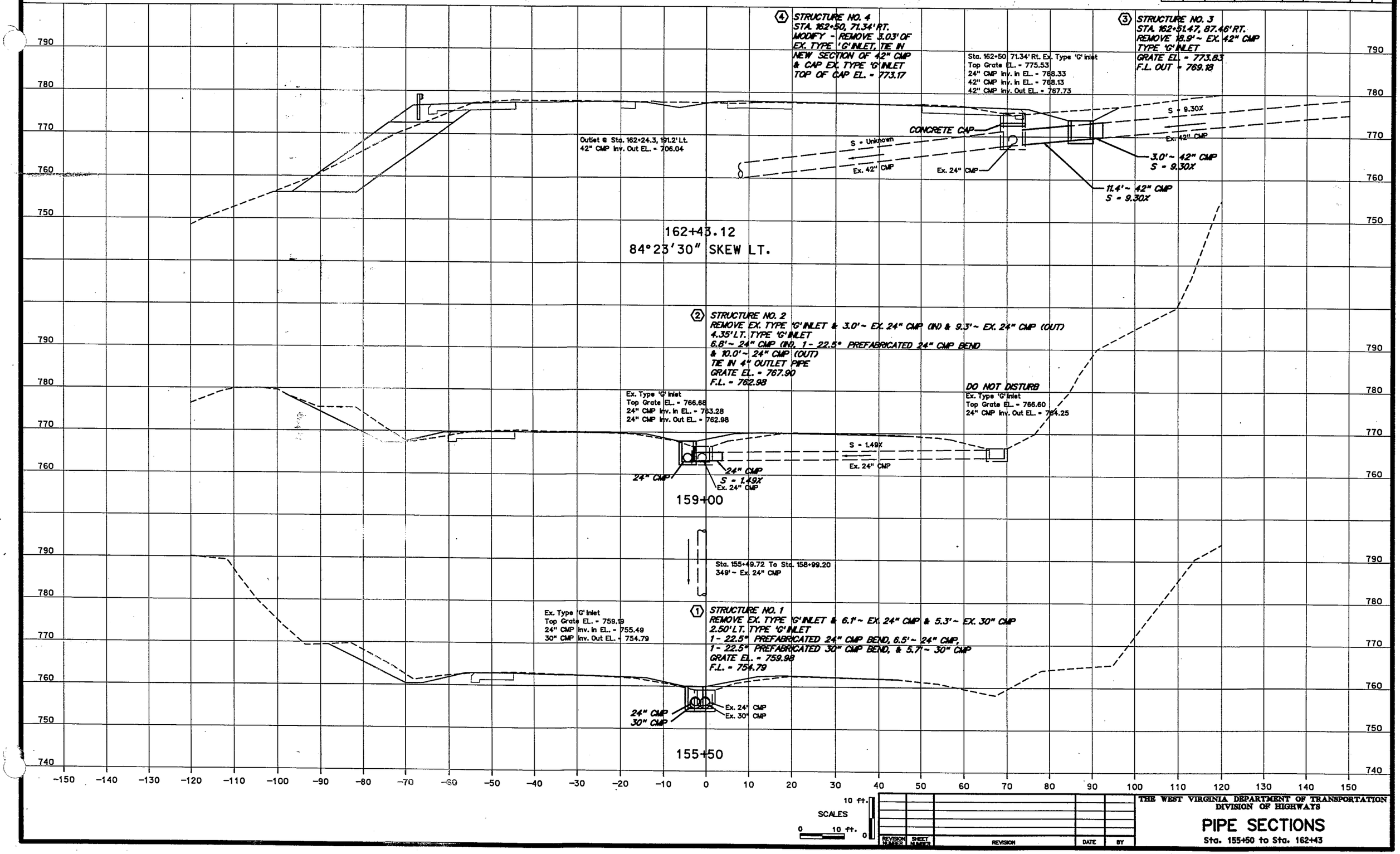
SCALES
10 ft.
0 50 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ACCESS ROAD PROFILES

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	74	265



SCALES
10 ft.
0 10 ft. 0

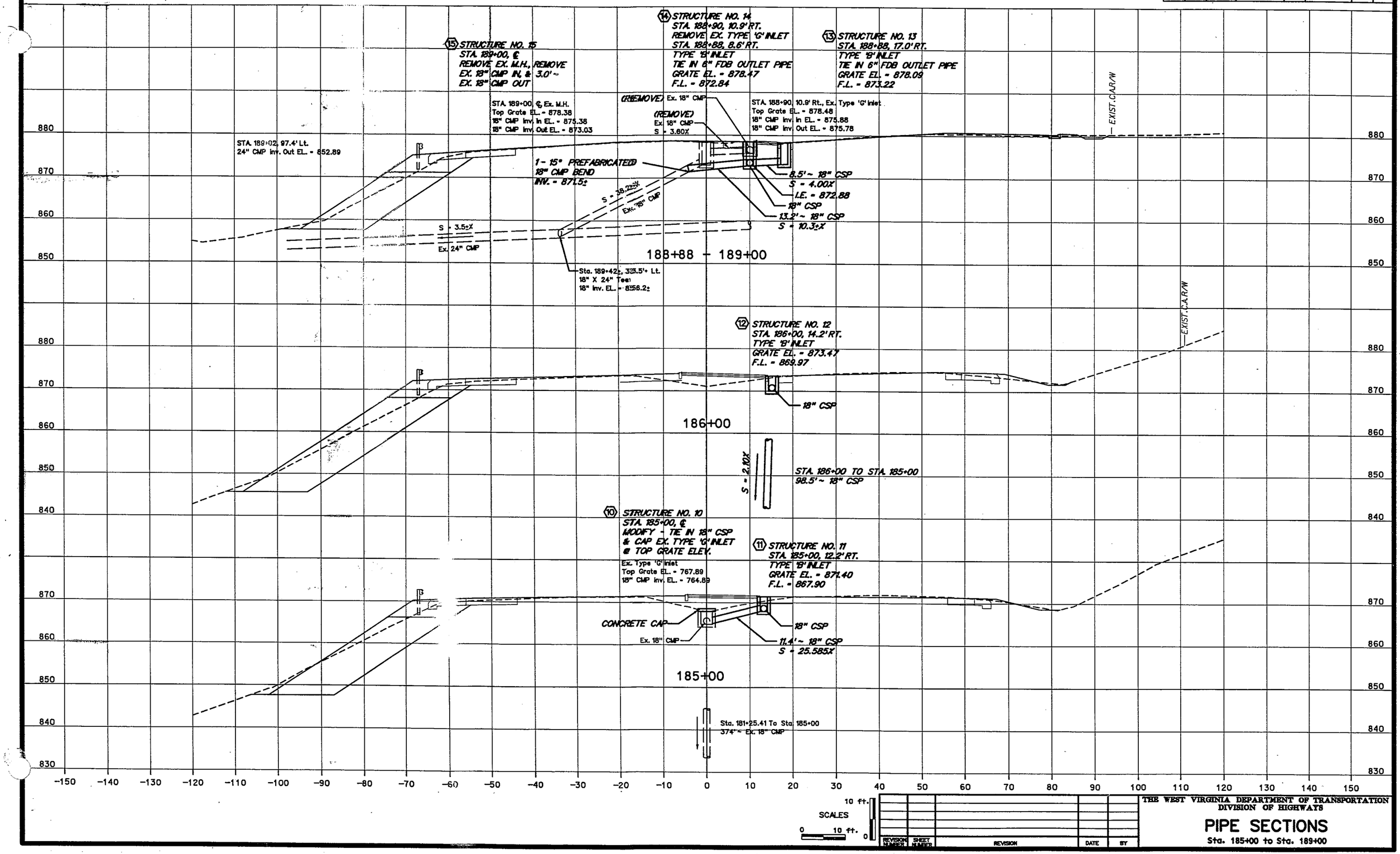
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 155+50 to Sta. 162+43

Public Roads Div.	State Distr. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	75	265



SCALES

10 ft.

0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 185+00 to Sta. 189+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	76	265

(15A) STRUCTURE NO. 15A
STA. 190+47.9, 10.4' RT.
REMOVE EX. MANHOLE

STA. 190+47.9, 10.4' Rt.
Ex. Manhole
Top EL. = 880.25
18" CMP Inv. EL. = 877.55

(15B) STRUCTURE NO. 15B
STA. 190+50, 7.0' RT.
TYPE 'G' INLET
GRATE EL. = 880.28
F.L. = 876.06

18" CSP

EX.C.A.R/W

190+50

STA. 188+88 TO STA. 190+50
161.1' ~ 18" CSP

S = 2.0%

REMOVE 157.9' ~ EX. 18" CMP
Sta. 188+90 To Sta. 190+47.9
157.9' ~ Ex. 18" CMP

(17) STRUCTURE NO. 17
82.2' RT.
MODIFY - TIE IN 18" CSP
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

82.2' Rt., Ex. TYPE 'G' INLET
Top Grate EL. = 876.32
18" CMP Inv. EL. = 873.32

EX.C.A.R/W

CONCRETE CAP

Ex. 18" CMP

18" CSP

190+04.3

S = 3.676%

STA. 189+50 TO STA. 190+04.3
54.4' ~ 18" CSP

(16) STRUCTURE NO. 16
85.76' RT.
TYPE 'G' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 879.00
F.L. = 875.50

EXIST. CAR/W

18" CSP

189+50

890 880 870 860 850

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALES
10 ft.
0 10 ft.
0

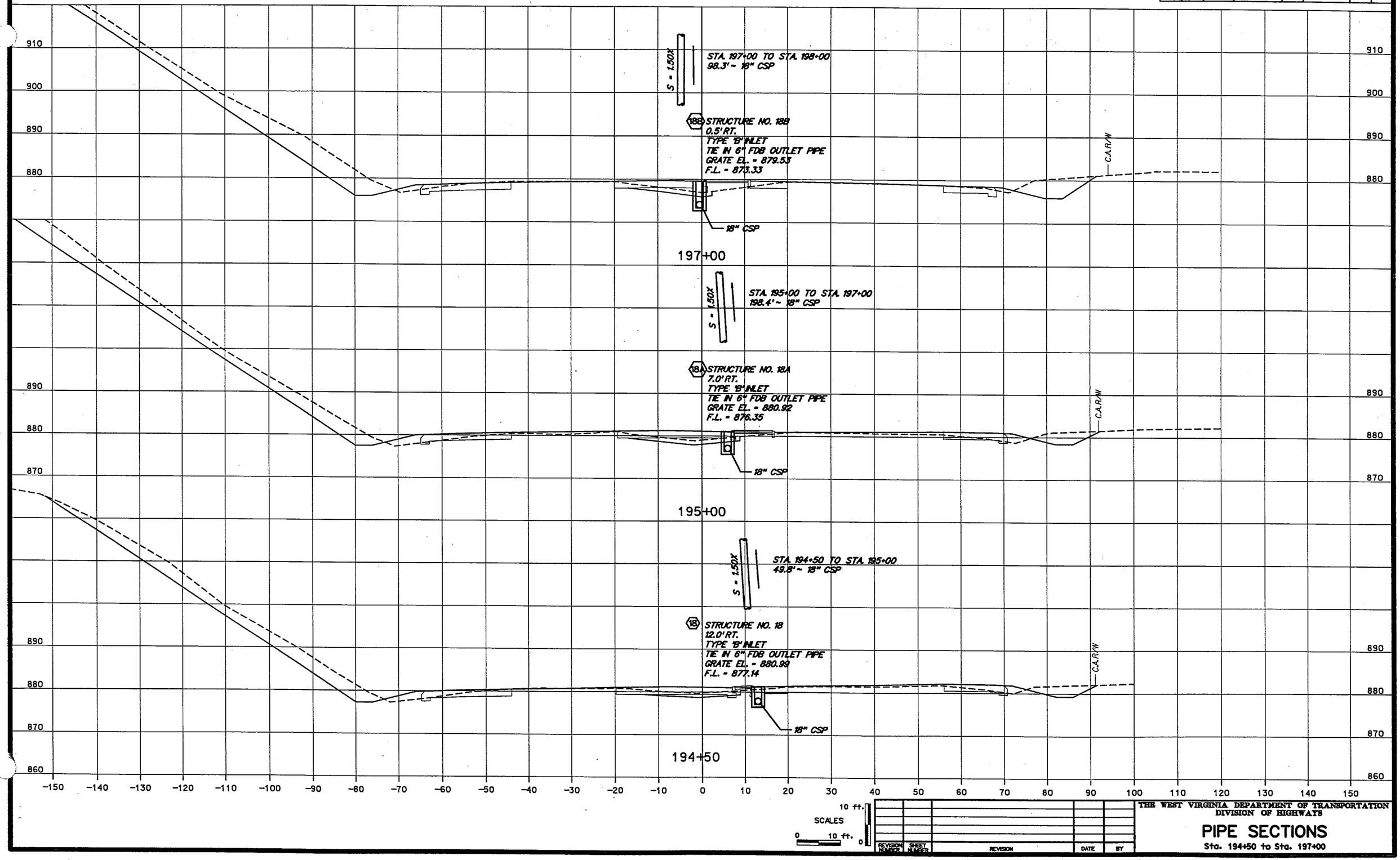
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 189+50 to Sta. 190+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	77	265



SCALES

10 ft. 0 — 0 10 ft.

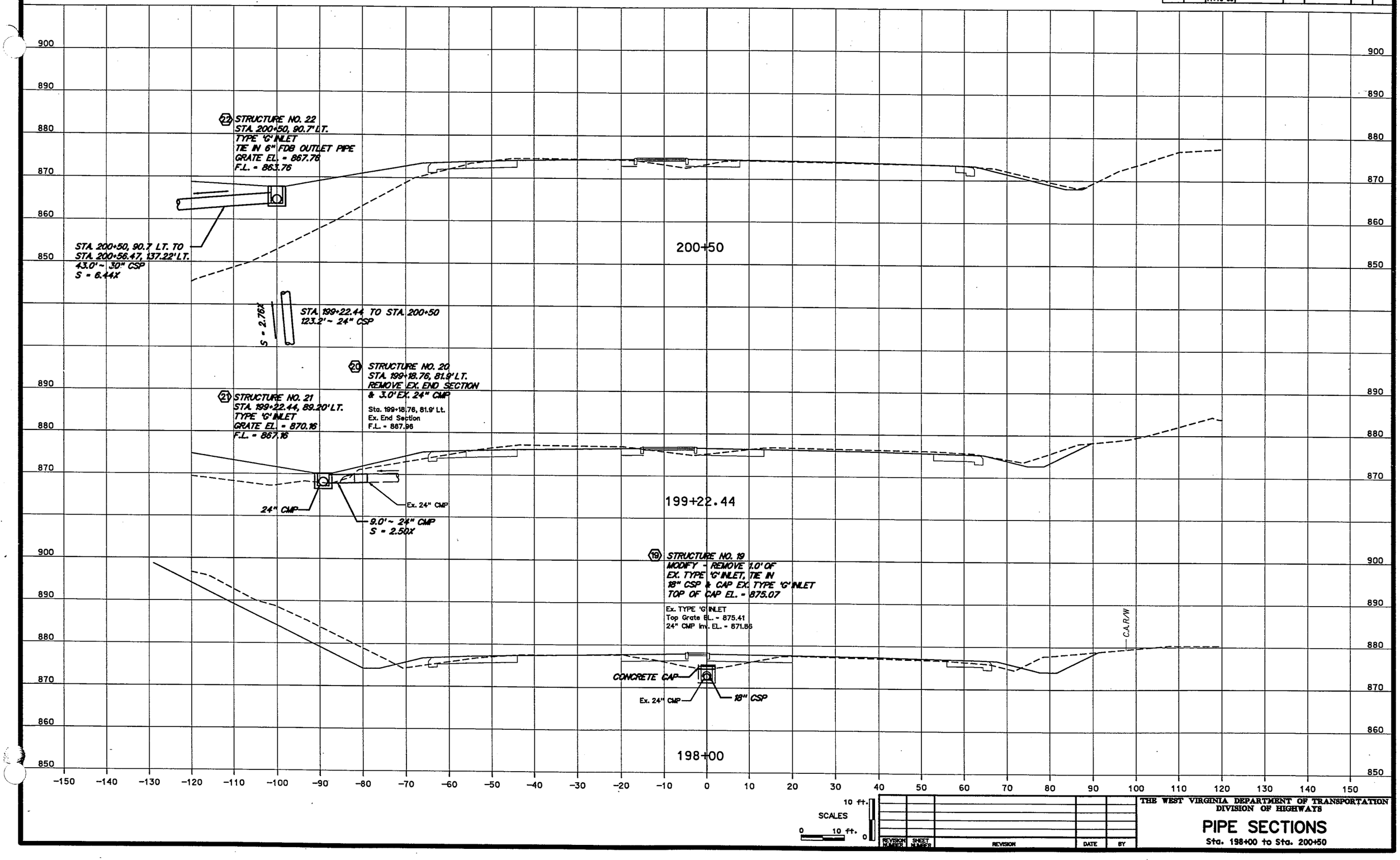
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 194+50 to Sta. 197+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -13- 11.70 00		2001	KANAWHA	76	265



SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 198+00 to Sta. 200+50

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	79	265

DO NOT DISTURB

Sta. 203+53, 158.89' Lt.
Ex. M.H.
Rim EL. = 876.82

(26) STRUCTURE NO. 26
STA. 203+50, 112.50' LT.
TYPE 'G' INLET
GRATE EL. = 857.60
F.I. = 854.10

(25) STRUCTURE NO. 25
STA. 203+29, 100.77' LT.
MODIFY - TIE IN 24" CSP
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

Sta. 203+29, 100.77' Lt.
Ex. Type 'G' Inlet
Grate EL. = 848.94
24" CMP Inv. = 845.94

STA. 203+29, 100.77' LT. TO
STA. 203+50, 112.50' LT.
25.3' - 24" CSP
S = 32.25%

EXIST. C.A.R/W

Ex. 24" CMP

42" CMP

203+50

(23) STRUCTURE NO. 23
STA. 8+68.87, 94.35' RT. (CONN. NO. 7) -
STA. 200+56.47, 137.22' LT. (US 119)
REMOVE EX. HEADWALL
SPECIAL MANHOLE
RIM EL. = 870.88
F.I. = 835.95

Sta. 8+68.82, 93.86' Rt. (Conn. No. 7) -
Sta. 200+56.97, 137.26' Lt. (US 119)
Ex. 30" Headwall
Inv. EL. = 836.00

18" CSP
30" CSP
F.I. = 860.99

S = 3.0±%

Ex. 30" CMP

S = 3.0±%

Ex. 36" CMP

CONN. NO. 7
8+55.76
10°23'35" SKEW LT.

Ex. 24" x 30" x 36" Tee

STA. 8+00, 48.43' RT. (CONN. NO. 7,
TIE INTO EX. 18" CPEP) TO
STA. 8+68.87, 94.35' RT. (CONN. NO. 7) -
STA. 200+56.47, 137.22' LT. (US 119)
92.5' - 18" CSP
S = 6.0%

SCALES
10 ft.
0 10 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 200+56 to Sta. 203+50

Public Roads Rtn.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	80	265

(31) STRUCTURE NO. 31
STA. 209+86.7, 76.9' LT.
TYPE 'G' INLET
GRATE EL. = 848.45
F.L. = 845.30

(30) STRUCTURE NO. 30
STA. 209+85.3, 74.8' LT.
REMOVE EX. HEADWALL
& 3.0'± EX. 24" CMP

Sta. 209+85.3, 74.8' Lt.
Ex. Headwall
24" CMP Inv. EL. = 844.55

6.6'± 24" CMP
S = 25.0±%

Ex. 24" CMP

(32) STRUCTURE NO. 32
STA. 210+00, 1.0' RT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

Sta. 210+00, 1.0' Rt.
Ex. Type 'G' Inlet
Grate EL. = 848.45
18" CMP Inv. EL. = 846.15

CONCRETE CAP

Ex. 18" CMP

Ex. 18" CMP

Ex. 18" x 24" Tee

209+61.39
17°44'45" SKEW RT.

(29) STRUCTURE NO. 29
STA. 206+26.7, 89.2' LT.
TIE INTO EX. 24" RCP
MOD. TYPE 'G' INLET
GRATE EL. = 854.28
F.L. = 845.47

DO NOT DISTURB
Sta. 206+26.7, 99.2' Lt.
Ex. M.H.
24" RCP Inv. In EL. = 844.96
24" RCP Inv. In EL. = 838.61
24" CMP Inv. Out EL. = 838.41

(28) STRUCTURE NO. 28
STA. 206+26.7, 81.4' LT.
REMOVE EX. TYPE 'G' INLET
& 7.9'± EX. 24" RCP

Sta. 206+26.7, 81.4' Lt.
Ex. Type 'G' Inlet
Grate EL. = 849.77
24" RCP Inv. EL. = 846.07

Ex. 24" RCP

Ex. 24" CMP

EXIST C.A. R/W

206+26.7

870 860 850 840 830 820

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALES
10 ft.
0 10 ft. 0

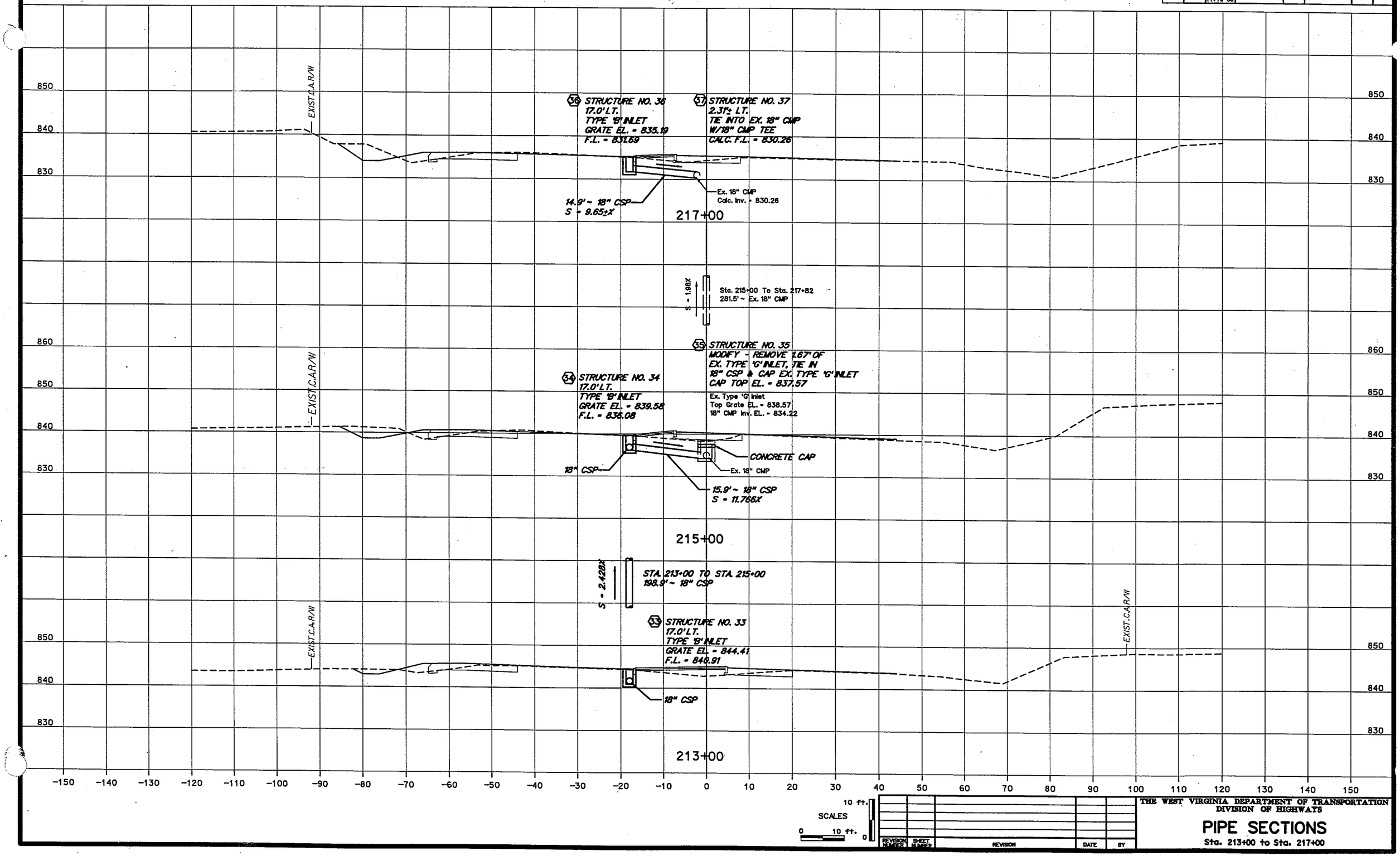
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 206+26 to Sta. 210+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	81	265



SCALES
10 ft.
0 10 ft. 0

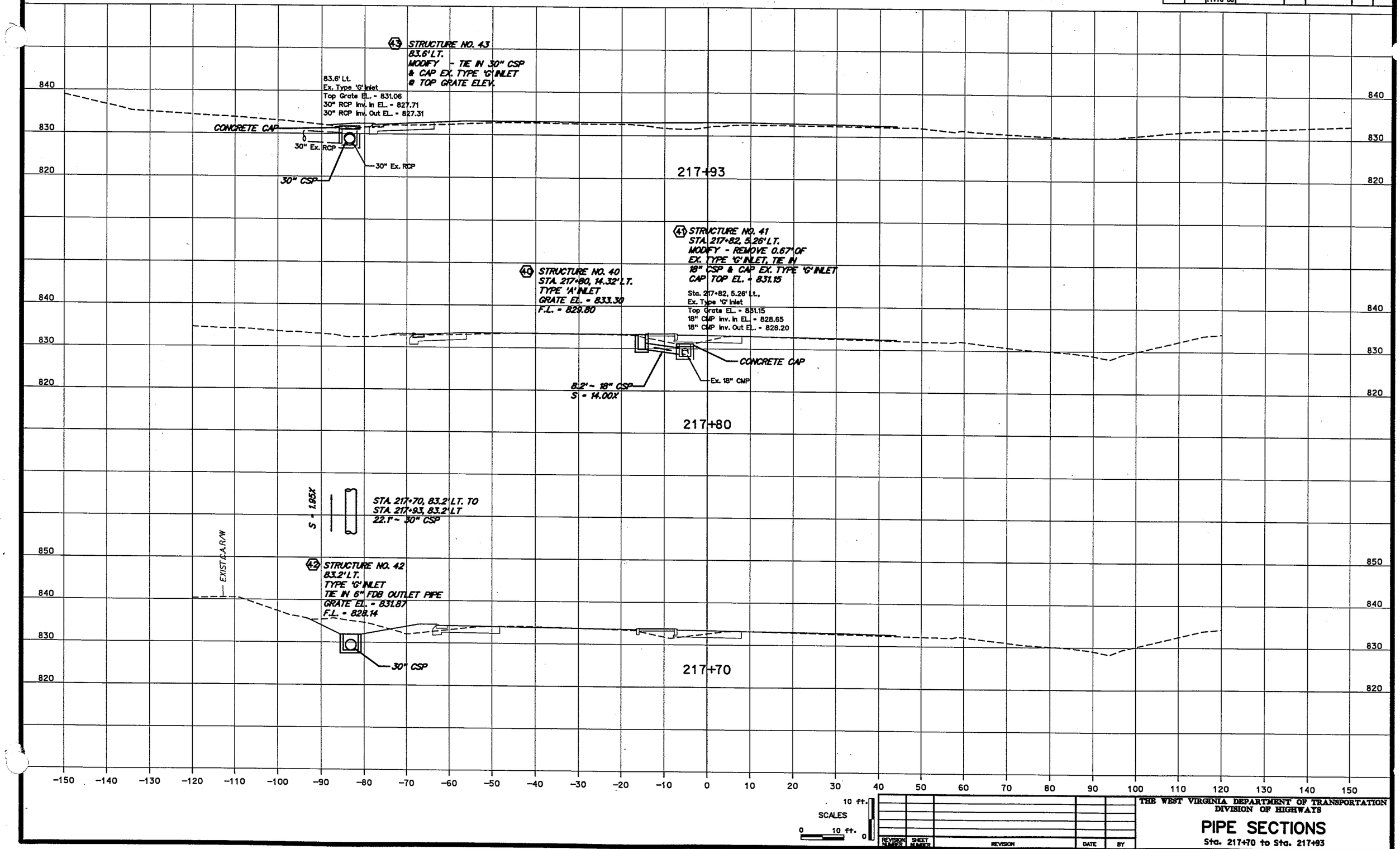
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 213+00 to Sta. 217+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -113- 11.70 00		2001	KANAWHA	82	265



REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 217+70 to Sta. 217+93

Public Roads Div.	State Distr. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	83	265

S = 4.088%

STA. 234+00 TO STA. 235+00
95.1' ~ 18" CSP

55 STRUCTURE NO. 55
7.0' LT.
TYPE 'B' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 765.68
F.L. = 761.68

18" CSP

234+00

50 STRUCTURE NO. 50
MODIFY - TIE IN 18" CSP
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.
Ex. Type 'G' Inlet
Top Grate EL. = 779.08
18" CMP Inv. In EL. = 775.13
24" CMP Inv. In EL. = 775.78
24" CMP Inv. Out EL. = 773.43

50A STRUCTURE NO. 50A
5.0' RT.
TYPE 'B' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 782.08
F.L. = 777.58

51 STRUCTURE NO. 51
68.41' LT.
REMOVE EX. TYPE 'G' INLET
& 3.0' ~ EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE
68.41' Lt.
Ex. Type 'G' Inlet
Top Grate EL. = 777.28
24" CMP Inv. EL. = 774.68

52 STRUCTURE NO. 52
78.0' LT.
TYPE 'G' INLET
GRATE EL. = 777.24
F.L. = 774.81

DO NOT DISTURB
Sta. 231+09, 67.73' Rt.
Ex. Type 'G' Inlet
Top Grate EL. = 780.72
24" CMP Inv. In EL. = 775.22
24" CMP Inv. Out EL. = 773.17

3.9' ~ 18" CSP
S = 13.04%

S = 1.369% CONCRETE CAP

I.E. = 777.08

Ex. 24" CMP

Ex. 18" CMP

S = 0.3%

Ex. 24" CMP

Ex. 24" CMP

12.6' ~ 24" CMP
S = 1.362%

231+00

47 STRUCTURE NO. 47
68.28' LT.
MODIFY - REMOVE 0.33' OF
EX. TYPE 'G' INLET, TIE IN
30" CSP, TIE IN 6" FDB OUTLET
PIPE & CAP EX. TYPE 'G' INLET
CAP TOP EL. = 810.38
68.28' Lt., Ex. Type 'G' Inlet
Top Grate EL. = 810.05
30" CMP Inv. EL. = 806.90

48 STRUCTURE NO. 48
81.80' LT.
TYPE 'G' INLET
GRATE EL. = 810.00
F.L. = 807.00

S = 3.3±%

Ex. 30" CMP

Ex. 18" X 30" TEE

9.2' ~ 30" CSP
S = 1.087%

224+14.54

780 770 760 750 800 790 840 830 820 810

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 224+14 to Sta. 234+00

Public Roads Sys.	State S.Sch. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	84	265

59 STRUCTURE NO. 59
STA. 235+91, 7.0' LT.
TYPE 'A' INLET
TIE INTO EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 758.00
18" F.L. IN = 753.96
24" F.L. OUT = 751.84

STA. 235+91, 5.58' LT.
REMOVE EX. TYPE 'G' INLET
Sta. 235+91, 5.58' Lt.
Ex. Type 'G' Inlet
Top Grate EL. = 755.89
24" CMP Inv. EL. = 751.84

Ex. 24" CMP

18" PIPE

235+91

61 STRUCTURE NO. 61
STA. 235+76, 66.0' LT.
MODIFY - TIE IN 18" CSP,
TIE IN 6" FDB OUTLET PIPE
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

Sta. 235+76, 66.0' Lt.
Ex. Type 'G' Inlet
Top Grate EL. = 755.26
18" HDPE Inv. EL. = 752.66

60 STRUCTURE NO. 60
STA. 235+66, 77.9' LT.
TYPE 'G' INLET
GRATE EL. = 755.17
F.L. = 753.17

CONCRETE CAP

Ex. 18" HDPE

15.3' ~ 18" CSP
S = 2.026X

235+76

S = 4.154X

STA. 235+00 TO STA. 235+91
89.3' ~ 18" CSP

56 STRUCTURE NO. 56
7.0' LT.
TYPE '18' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 761.67
F.L. = 757.67

18" CSP

235+00

770 760 750 740 730 780 770 760 750

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 235+00 to Sta. 235+91

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	85	265

72 STRUCTURE NO. 72
STA. 249+09.74, 71.7' LT.
TYPE 'G' INLET
GRATE EL. = 729.57
F.L. = 725.82

9.1'± - 24" CMP
S = 2.63%

71 STRUCTURE NO. 71
STA. 249+05.39, 67.59' LT.
REMOVE EX. TYPE 'G' INLET
& 3.0'± EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE

Sta. 249+05.39, 67.59' Lt.
Ex. Type 'G' Inlet
Top Grate EL. = 729.01
24" CMP Inv. EL. = 725.68

70A STRUCTURE NO. 70A
STA. 248+32, 3.8' LT.
TIE INTO EX. 24" CMP
W/ 18" X 24" CMP TEE
CALC. F.L. = 723.35

70B STRUCTURE NO. 70B
STA. 248+50, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

Sta. 248+50, ℄
Ex. Type 'G' Inlet
Top Grate EL. = 727.85
18" CMP Inv. EL. = 724.95

S = 2.63%
Ex. 24" CMP
Ex. 18" CMP
18" CSP
CALC. I.E. = 723.35
Ex. 18" CMP
CONCRETE CAP

DO NOT DISTURB
Sta. 247+02.97, 93.21' Rt.
24" CMP Out EL. = 718.94

248+28.83
50°29'26" SKEW RT.

S = 26.19%
STA. 248+25, 12.2' LT. TO
STA. 248+32, 3.8' LT.
11.3'± 18" CSP

70 STRUCTURE NO. 70
STA. 248+25, 12.2' LT.
TYPE 'S' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 730.31
F.L. = 726.31

18" CSP

248+25

69 STRUCTURE NO. 69
STA. 245+00, 83.57' LT.
TYPE 'G' INLET
GRATE EL. = 734.14
F.L. = 731.70

18.2'± - 24" CMP
S = 1.92%

68 STRUCTURE NO. 68
STA. 245+00, 68.34' LT.
REMOVE EX. TYPE 'G' INLET
& 3.0'± EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE

Sta. 245+00, 68.34' Lt.
Ex. Type 'G' Inlet
Top Grate EL. = 733.91
24" CMP Inv. EL. = 731.41

67A STRUCTURE NO. 67A
STA. 245+00, 17.0' LT.
TYPE 'S' INLET
TIE INTO EX. 24" CMP
GRATE EL. = 734.59
F.L. = 730.45

67 STRUCTURE NO. 67
STA. 245+00, ℄
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

Sta. 245+00, ℄
Ex. Type 'G' Inlet
Top Grate EL. = 732.20
18" CMP Inv. In EL. = 730.15
24" CMP Inv. In EL. = 730.15
24" CMP Inv. Out EL. = 729.75

S = 1.92%
Ex. 24" CMP
CONCRETE CAP
Ex. 18" CMP
Ex. 24" CMP

Sta. 245+00, 94.15' Rt.
Ex. Headwall
24" CMP Inv. Out EL. = 712.21

245+00

740 730 720 710 750

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 245+00 to Sta. 248+50

Public Roads Sys.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -19- 11.70 00		2001	KANAWHA	86	265

76 STRUCTURE NO. 76
5.0' LT.
TYPE 'B' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 712.55
F.L. = 708.55

77 STRUCTURE NO. 77
2.1' RT.
TIE INTO EX. 18" CMP
W/ 18" CMP TEE
CALC. F.L. = 706.14

7.4' ~ 18" CSP
S = 31.31%

Ex. 18" CMP
Calv. Inv. = 706.14

254+50

S = 4.78%

Sta. 253+50 To Sta. 256+90
340.0' ~ Ex. 18" CMP

75 STRUCTURE NO. 75
0.7' RT.
MODIFY - TIE IN 18" CSP
& CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

0.71' Rt.
Ex. Type 'G' Inlet
Top Grate EL. = 713.83
18" CMP Inv. EL. = 710.98

74 STRUCTURE NO. 74
5.0' LT.
TYPE 'B' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 715.95
F.L. = 711.95

18" CSP

CONCRETE CAP

4.6' ~ 18" CSP
S = 15.08%

Ex. 18" CMP

253+50

S = 3.223%

STA. 252+00 TO STA. 253+50
148.6' ~ 18" CSP

73 STRUCTURE NO. 73
5.9' LT.
TYPE 'B' INLET
TIE IN 6" FDB OUTLET PIPE
GRATE EL. = 720.74
F.L. = 716.74

18" CSP

252+00

740 730 720 710 700

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALES
10 ft.
0 10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 252+00 to Sta. 254+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -113- 11.70 00		2001	KANAWHA	87	265

82 STRUCTURE NO. 82
0.66' RT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

0.66' Rt.
Ex. Type 'G' Inlet
Top Grate EL. = 664.01
24" CMP Inv. In EL. = 659.46
30" CMP Inv. In EL. = 659.36
30" CMP Inv. Out EL. = 658.86

83 STRUCTURE NO. 83
67.59' RT.
REMOVE EX. TYPE 'G' INLET
& 16.9'± EX. 24" CMP
TIE IN 6" FDB OUTLET PIPE

67.59' Rt.
Ex. Type 'G' Inlet
Top Grate EL. = 664.28
24" CMP Inv. EL. = 661.93

84 STRUCTURE NO. 84
78.0' RT.
TYPE 'G' INLET
GRATE EL. = 663.41
F.L. = 661.41

S = 3.869%
Ex. 24" CMP
Ex. 30" CMP
Ex. 30" CMP
26.9'± 18" CSP
S = 0.50%
1 - PREFABRICATED 18" x 24" CMP ADAPTER

263+00

Sta. 258+00 To Sta. 263+00
498.3'± Ex. 30" CMP

79 STRUCTURE NO. 79
0.38' RT.
CAP EX. TYPE 'G' INLET
@ TOP GRATE ELEV.

0.38' Rt.
Ex. Type 'G' Inlet
Top Grate EL. = 692.73
24" CMP Inv. In EL. = 689.18
30" CMP Inv. In EL. = 688.53
30" CMP Inv. Out EL. = 688.18

80 STRUCTURE NO. 80
68.18' RT.
REMOVE EX. TYPE 'G' INLET
& 3'± EX. 30" CMP
TIE IN 6" FDB OUTLET PIPE

68.18' Rt.
Ex. Type 'G' Inlet
Top Grate EL. = 692.78
30" CMP Inv. EL. = 689.68

81 STRUCTURE NO. 81
78.0' RT.
TYPE 'G' INLET
GRATE EL. = 693.95
F.L. = 689.86

CONCRETE CAP
24" Ex. CMP
30" Ex. CMP
S = 1.79%
Ex. 30" CMP
12.8'± 30" CMP
S = 1.79%

258+00

690 680 670 660 650 640 700 690 680 670 690 720 710 700 690 680 670

-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCALES
10 ft. 0
0 10 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PIPE SECTIONS

Sta. 258+00 to Sta. 263+00

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	88	265

S-1

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	
		UNIT	TOTAL
657006-001	S4X7.7, A-441 SUPPORT, GALVANIZED	L.F.	372
657006-005	W6X12, A-441 SUPPORT, GALVANIZED	L.F.	96
657006-010	W8X18, A-441 SUPPORT, GALVANIZED	L.F.	170
657008-001	2.00 LB. CHANNEL POST	L.F.	3,062
657010-001	3.00 LB. CHANNEL POST	L.F.	1,393
657017-001	CLASS B CONCRETE FOOTING, REINFORCED, ROADSIDE	C.Y.	21.2
657018-001	POST REMOVAL	EA.	96
658001-001	CLASS B CONCRETE FOOTING, REINFORCED, OVERHEAD	C.Y.	36.9
658002-001	OVERHEAD SIGN, STEEL-ALUMINUM COMBINATION 03	EA.	1
658002-001	OVERHEAD SIGN, STEEL-ALUMINUM COMBINATION 04	EA.	1
658003-001	OVERHEAD SIGN, GALVANIZED STEEL 01	EA.	1
658003-001	OVERHEAD SIGN, GALVANIZED STEEL 02	EA.	1
659001-001	SIGN LIGHTING, TYPE 3 01	L.S.	1
659001-001	SIGN LIGHTING, TYPE 3 02	L.S.	1
659001-001	SIGN LIGHTING, TYPE 3 03	L.S.	1
659001-001	SIGN LIGHTING, TYPE 3 04	L.S.	1
661001-001	0.80 IN. FLAT SHEET SIGN	S.F.	839.48
661002-001	EXTRUDED PANEL SIGN	S.F.	2,871
661004-001	DELINEATOR, REFLEX REFLECTOR, SINGLE, WHITE	EA.	38
661004-001	DELINEATOR, REFLEX REFLECTOR, SINGLE, AMBER	EA.	226
661007-001	DELINEATOR, THREE PER UNIT, AMBER	UNIT	12
661013-001	PLASTIC DELINEATOR POST (WHITE)	EA.	72
663001-004	EDGE LINE, TYPE II (WHITE)	L.F.	24,624
663001-004	EDGE LINE, TYPE II (YELLOW)	L.F.	22,619
663002-005	LANE LINE OR CENTERLINE, TYPE II (WHITE)	L.F.	11,726
663003-005	BARRIER LINE, TYPE II	L.F.	1,310
663004-004	CHANNELIZING LINE, TYPE II	L.F.	5,789
663005-010	STOP LINE, TYPE V (24")	L.F.	806
663007-004	STRIPE, TYPE II WHITE (12")	L.F.	951
663007-004	STRIPE, TYPE II YELLOW (12")	L.F.	24
663010-010	LANE ARROW, TYPE V	EA.	52
663011-010	LANE LETTER, TYPE V	EA.	88

SIGNING GENERAL NOTES

GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS ROADS AND BRIDGES, ADOPTED 2000, THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

CONSTRUCTION LAYOUT STAKES

CONSTRUCTION LAYOUT STAKES FOR SIGNING WILL BE INCIDENTAL TO THE CONTRACT AMOUNT BID AND INCLUDED IN THE VARIOUS SIGNING ITEMS.

CORNERS

CORNERS OF ALL SHEET ALUMINUM SIGNS SHALL BE ROUNDED: HOWEVER, CORNERS OF ALUMINUM SIGN FACES (EXTRUDED OR OVERLAYS) SHALL NOT BE ROUNDED. FABRICATED SIGNS WITH DIRECT APPLIED COPY (BLUE, GREEN OR BROWN BACKGROUND) SHALL HAVE A 1/2 INCH CORNER RADIUS ON THE ALUMINUM BLANK.

BOLT TIGHTENING

A CALIBRATED DEVICE ACCEPTABLE TO THE ENGINEER SHALL BE PROVIDED BY THE CONTRACTOR TO INSURE THE STIPULATED TORQUE AND/OR TENSION THAT IS SET FORTH BY THE PLANS.

SIGN FABRICATION

ALL SIGNS SHALL BE FABRICATED IN ACCORDANCE WITH THE LATEST EDITION OF THE UNITED STATES DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTATION "STANDARD HIGHWAY SIGNS". ANY SIGN FABRICATION DETAIL NOT REPRESENTED IN THAT PUBLICATION SHALL BE FABRICATED IN ACCORDANCE WITH THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS "SIGN FABRICATION MANUAL", "DESIGN GUIDE FOR SIGNING", "STANDARD SPECIFICATIONS ROADS AND BRIDGES", LATEST EDITIONS.

SIGN PUNCHING

SIGNS 60 INCHES OR MORE IN HEIGHT SHALL HAVE THREE RIBS. THE THIRD RIB SHALL BE MOUNTED ALONG THE HORIZONTAL CENTERLINE AND IN LINE WITH THE OTHER SETS OF HOLES.

REFLECTIVE SHEETING

ALL BACKGROUND MATERIAL FOR SIGNS IN THIS PROJECT SHALL BE REFLECTIVE SHEETING TYPE II. TYPE II REFLECTIVE SHEETING SHALL BE REQUIRED IN THIS PROJECT ON SHIELDS FOR GUIDE SIGNS, SEE STANDARD DETAIL TE12-1. ALL SHEETING USED IN THIS PROJECT MUST HAVE SUCCESSFULLY COMPLETED 3 YEARS IN THE AASHTO/NTPEP OUTDOOR REFLECTIVE SHEETING PERFORMANCE TESTING PROGRAM.

DEMOUNTABLE COPY AND BORDERS

DEMOUNTABLE COPY AND BORDERS SHALL NOT BE POSITIONED ON ANY SIGN FACE BY MEANS OF TAPE OR GLUE. ALL DEMOUNTABLE COPY AND BORDERS SHALL BE ATTACHED TO THE SIGN FACE USING APPROVED RIVETS ONLY. THE FOLLOWING TYPE OF DEMOUNTABLE COPY SHALL BE USED IN THIS PROJECT: COPY FABRICATED FROM 0.080 INCH THICK ALUMINUM SHEETS CONFORMING TO ASTM B 209 ALLOY 6061-T6 OR 5052-H38 MEETING THE REQUIREMENTS OF SECTION 661 AND COVERED WITH TYPE II REFLECTIVE SHEETING CONFORMING TO SECTION 715.9.2.3 OF THE SPECIFICATIONS, LATEST EDITION.

IDENTIFICATION CODES AND DECALS

AN IDENTIFICATION CODE SHALL BE PLACED ON ALL SIGNS WITH SCREENED MESSAGES THAT ARE MANUFACTURED FOR THE DIVISION OF HIGHWAYS. THE CODE SHALL CONSIST OF THE LETTERS "WVDH" WITH AN ABBREVIATED FORM OF MONTH AND YEAR OF FABRICATION DIRECTLY BELOW. IT SHALL ALSO INCLUDE AN ABBREVIATED NAME OF THE SHEETING MANUFACTURER AND THE INK MANUFACTURER.
EXAMPLE: WVDH 3M
8/97 A
EACH LINE OF LETTERS OR NUMERALS SHALL BE 1/4 HIGH, NO GREATER THAN 1 INCH IN LENGTH AND OF THE SAME COLOR AS THAT BEING SCREENED. THE CODE SHALL BE PLACED ON THE LOWER RIGHT HAND EDGE OF THE SIGN. IF THE SIGN HAS BOTH BORDER AND MARGIN, THE CODE SHALL BE WITHIN THE BORDER, BUT MAY EXTEND INTO THE MARGIN AND/OR SIGN AREA.. IF THE SIGN HAS BORDER ONLY, THE CODE SHALL BE WITHIN THE BORDER, BUT MAY EXTEND INTO THE SIGN AREA. A SIGN IDENTIFICATION DECAL SHALL BE APPLIED TO THE LOWER RIGHT HAND CORNER (FACING BACK OF SIGN) OF ALL FLAT SHEET SIGNS STATING THE MONTH AND YEAR OF INSTALLATION. EXTRUDED PANEL SIGNS AND FABRICATED FLAT SHEET SIGNS WITH DIRECT APPLIED COPY SHALL HAVE TWO SEPARATE DECALS APPLIED TO THE LOWER RIGHT HAND CORNER (FACING BACK OF SIGN), ONE STATING THE MONTH AND YEAR OF INSTALLATION AND THE OTHER STATING THE MANUFACTURER OF THE SHEETING. SEE CONTRACT PLANS FOR DECAL DETAILS.

HARDWARE

ON ALL FLAT SHEET SIGNS THE MOUNTING HARDWARE SHALL BE OF A VANDAL-RESISTANT DESIGN.. THE FABRICATOR SHALL SUPPLY FIVE (5) PIECES OF MATERIAL TO THE DIVISION OF HIGHWAYS FOR TESTING PRIOR TO THE MANUFACTURE OF SIGNS. THE DIVISION OF HIGHWAYS ALSO RESERVES THE RIGHT TO RANDOM TEST THIS MATERIAL AFTER SHIPMENT TO THE PROJECT.

BOLT: 5/16"X3"X18. BOLT HEAD TO BE ROUND, DOME WITH ONE-WAY SLOT. BOLT SHALL HAVE A 2 INCH MINIMUM THREAD AND BE MANUFACTURED OF STEEL IN ACCORDANCE WITH ASTM A-307.

NUT: CONE SHAPED WITH HEX SHAPED DRIVE HEAD DESIGNED TO SHEAR OFF AT A PREDETERMINED TORQUE OF NO LESS THAN 4FT/LBS AND NO GREATER THAN 8FT/LBS WHEN USING MATERIALS, CONTROL, SOILS AND TESTING MP NO. 661.20.00. NUT SHALL BE MANUFACTURED OF STEEL IN ACCORDANCE WITH ASTM A-563, GRADE A.

COATING ON BOTH NUT AND BOLT SHALL BE IN ACCORDANCE WITH ASTM B-766, CLASS 8, TYPE 2 (CADMIUM DICHROMATE). THREAD FIT ON NUT AND BOLT SHALL ALLOW WORKERS TO ASSEMBLE HARDWARE WITH THEIR FINGERS BEFORE TIGHTENING.

POST REMOVAL ITEM 657018-001

POST REMOVAL FOR GROUND MOUNTED SIGNS ON EXISTING BREAKAWAY SUPPORTS SHALL INCLUDE THE CUTTING OFF OF THE EXISTING STUB(S) TO A MINIMUM OF 6 INCHES BELOW GROUND AND THE RESTORATION OF THE GROUND TO ITS ORIGINAL CONDITION.

BREAKAWAY SUPPORTS S4X7.7

ON STANDARD DETAIL TE1-3B DELETE DETAIL "A". ON ALL S-SHAPES THE SAW-CUT SHALL BE CUT THE FULL LENGTH OF THE COLUMN. HINGE PLATES SHALL BE FABRICATED AS SHOWN ON THE "HINGE PLATE DETAIL FOR W-SHAPES" SHOWN ON STANDARD DETAILS TE1-3A AND TE1-3B.

EXTRUDED RIBS

EACH FLAT SHEET SIGN ATTACHED TO BREAKAWAY SUPPORTS SHALL HAVE TWO EXTRUDED RIBS PER STANDARD DETAIL TP-A REGARDLESS OF SIGN SIZE, SHAPE, OR NUMBER OF SIGNS IN THE SIGN ASSEMBLY.

POST CLIPS

ALL POST CLIPS SHALL BE PROVIDED WITH A STAINLESS STEEL BOLT WHICH SHALL CONFORM TO STAINLESS STEEL ALLOY 304, ASTM A193, GRADE B8 OR ASTM A194, GRADE 8. POST CLIP BOLTS SHALL CONFORM TO THE DIMENSIONS SHOWN ON STANDARD DETAIL TE7-1. HEX LOCK NUTS SHALL CONFORM TO STAINLESS STEEL ALLOY 303, ASTM A 193, GRADE B 8F OR ASTM A194, GRADE 8F. POST CLIP WASHERS SHALL CONFORM TO STAINLESS STEEL ALLOY 302, ASTM A276. WASHER DIMENSIONS ARE 3/4" DIA. X .062" WITH .406" DIA. HOLE.

PAVEMENT MARKINGS

1. ITEM 663001-004, EDGE LINE, TYPE II SHALL INCLUDE 4" SOLID WHITE AND YELLOW EDGE LINE ON MAINLINE FREEWAY/EXPRESSWAY AND RAMPS. IT SHALL ALSO INCLUDE 8" SOLID WHITE EDGE LINES, 4" DOTTED WHITE EDGE LINES AND 4" BROKEN WHITE EDGE LINES AT GORE AREAS.
2. ALL 4" SOLID WHITE OR SOLID YELLOW EDGE LINES, LANE LINES, CENTERLINES AND BARRIER LINES SHALL BE TYPE II PAVEMENT MARKING MATERIAL.
3. EDGE LINES SHALL BE CENTERED 6" FROM EDGE OF RAMP PAVEMENT OR LANE AS APPLICABLE.
4. ALL MARKINGS SHALL BE CONTINUOUS AND CONSISTENT WITH EXISTING MARKINGS WHERE THEY JOIN.
5. NO MARKINGS SHALL BE PLACED ON EXPANSION JOINTS ON STRUCTURES OR ON LONGITUDINAL CONSTRUCTION JOINTS UNLESS SO DIRECTED BY THE ENGINEER.

GROUND MOUNTED FLEXIBLE DELINEATOR POST PER EACH (ITEM 661013-001)(WHERE NO GUARDRAIL)

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER INSTALLATION FOR GROUND MOUNTED FLEXIBLE DELINEATOR POST, HARDWARE AND LABOR. THE CONSTRUCTION DETAILS, MATERIAL AND LABOR WILL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF STANDARD SPECIFICATION 657 AND 661 AND THE STANDARD DETAILS BOOK, VOLUME II - SIGNS, SIGNALS, LIGHTING AND MARKING.

THE GROUND MOUNTED FLEXIBLE DELINEATOR POST WILL BE FLEX-STAKE MODEL HD 604, SAFE-HIT CORP. GUIDEPOST, CARSONITE INTERNATIONAL CORP. SURVIVOR, OR CARSONITE INTERNATIONAL CORP. GREENLINE - CGDV OR CGDB. POST LENGTH TO BE 54" AFTER DRIVING TO DEPTH AS RECOMMENDED BY THE MANUFACTURER. COLOR OF POST TO BE GREY. COLOR OF REFLECTIVE TARGET AREA TO BE WHITE WHEN POST IS MOUNTED ON RIGHT SIDE OF ROADWAY AND YELLOW WHEN MOUNTED ON LEFT SIDE OF ROADWAY.

IF POSTS ARE DESIGNED WITH A FLAT OR SEMI-FLAT SURFACE FOR MOUNTING REFLECTIVE SHEETING, THEY SHALL HAVE VERTICAL STRIP(S) 3"X9" PERMANENTLY AFFIXED. IF POSTS ARE DESIGNED AS CIRCUMFERENTIAL, THEY SHALL HAVE A 6" BAND OF SHEETING AROUND THEIR ENTIRE SURFACE. ALL SHEETING SHALL BE 3M TYPE IV, FLEXIBLE, HIGH-INTENSITY OF EITHER WHITE OR BI-DIRECTIONAL YELLOW AS DESIGNATED.

S-1

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGNING & MARKINGS
SUMMARY OF QUANTITIES

u:\99191\signing\signmark.dgn Jun. 20, 2000 14:48:25

Public Lands Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	89	265

S-2

ASSEMBLY NUMBER	SIGN NUMBER	PROPOSED LOCATION	EXISTING LOCATION	LAYOUT SHT. NO.	FABRICATION DETAIL SHT. NO.	SIGN DISPOSITION	SIGNS: LENGTH (FT.)	SIGNS: HEIGHT (FT.)	SIGNS: FLAT SHEET 0.080 S.F.	SIGNS: FLAT SHEET 0.080 OVERLAY S.F.	SIGNS: EXTRUDED PANEL S.F.	SIGNS: INSTALL REVISED SIGN	SUPPORTS & FOUNDATIONS: U-CHANNEL 2.00 #/ft	U-CHANNEL 3.00 #/ft	U-CHANNEL 4.0088 #/ft	U-CHANNEL 6.0088 #/ft	POST REMOVAL	REUSE EX. SPT'S.	A-572, GRADE 50 S4x7.7 L.F.	W6x12 L.F.	W8x18 L.F.	W10x22 L.F.	FOOTER DIA. FT.	FOOTER DEPTH FT.	CLASS B CONC. REINF. C.Y.
18	R2-50	STA. 172+79 RT.	STA. 172+98 RT.	S-6		R&D	4.0	5.0	20.0					16.5 17.0			2								
19	D1-2	STA. 177+46 RT.	STA. 178+77 RT.	S-6	S-12	R&D	13.0	4.0			52.0						2		13.0						
	R5-1a	STA. 177+46 RT.	STA. 178+77 RT.	S-6			3.0	2.0	6.0										14.0						1.5 0.3
20	M3-3	STA. 179+00 LT.		S-6		R&D	2.5	1.25	3.13																
	M1-4G	STA. 179+00 LT.		S-6		R&D	3.75	3.0	11.25					16.0 16.5			2								
21	R5-1	STA. 179+46 RT.	STA. 179+38 RT.	S-6		R&D	3.0	3.0	9.0					14.5			1								
22	R6-1L	STA. 179+51 LT.		S-6		NEW	4.0	1.5	6.0				12.5 13.0												
23	R4-7	STA. 179+98 CT.	STA. 180+07 CT.	S-6		R&D	2.0	2.5	5.0					14.0			1								
	XR-3						1.25	0.5																	
24	R1-1	STA. 180+14 LT.	STA. 180+14 LT.	S-6		R&D	3.0	3.0	9.0					14.5			1								
25	R1-2	STA. 180+22 RT.	STA. 180+22 RT.	S-6		R&D	3.0	3.0	9.0					15.0			1								
26	R1-1	STA. 180+87 RT.		S-6		R&D	3.0	3.0	9.0					14.5			1								
27	R4-7	STA. 181+20 CT.	STA. 181+01 CT.	S-6		R&D	2.0	2.5	5.0					14.0			1								
	XR-3						1.25	0.5																	
28	R6-1L	STA. 181+60 RT.		S-6		NEW	4.0	1.5	6.0					12.5 13.0											
29	R5-1	STA. 181+87 LT.	STA. 181+84 LT.	S-6		R&D	3.0	3.0	9.0					14.5			1								
30	R3-7R	STA. 182+10 RT.		S-6		NEW	2.5	2.5	6.25					14.0											
31	R2-1	STA. 182+71 RT.	STA. 182+56 RT.	S-6		R&D	4.0	5.0	20.0					16.5 17.0			2								
32	R2-1	STA. 182+74 CT.	STA. 182+60 CT.	S-6		R&D	4.0	5.0	20.0					16.5 17.0			2								
33	R5-1a	STA. 183+87 LT.	STA. 182+54 LT.	S-6		R&D	3.0	2.0	6.0								2		13.0						1.5 0.3
	D1-2	STA. 183+87 LT.	STA. 182+54 LT.	S-6	S-12	R&D	13.5	4.0			54.0								14.0						1.5 0.3
34	D1-1	STA. 184+44 RT.		S-6	S-12	R&D	13.5	2.0			27.0						2		11.0						1.5 0.3
	R5-1a	STA. 184+44 RT.		S-6		R&D	3.0	2.0	6.0										12.0						1.5 0.3
SUB-TOTAL							165.63		133.0				25.5	273.5			21		77.0						1.8
SUB-TOTAL COLUMN 1							149.0		1,585.5				25.5	218.5			17		46.0		39.0				3.2
TOTAL THIS SHEET							314.63		1,718.5				51.0	492.0			38		123.0		39.0				5.0

ASSEMBLY NUMBER	SIGN NUMBER	PROPOSED LOCATION	EXISTING LOCATION	LAYOUT SHT. NO.	FABRICATION DETAIL SHT. NO.	SIGN DISPOSITION	SIGNS: LENGTH (FT.)	SIGNS: HEIGHT (FT.)	SIGNS: FLAT SHEET 0.080 S.F.	SIGNS: FLAT SHEET 0.080 OVERLAY S.F.	SIGNS: EXTRUDED PANEL S.F.	SIGNS: INSTALL REVISED SIGN	SUPPORTS & FOUNDATIONS: U-CHANNEL 2.00 #/ft	U-CHANNEL 3.00 #/ft	U-CHANNEL 4.0088 #/ft	U-CHANNEL 6.0088 #/ft	POST REMOVAL	REUSE EX. SPT'S.	A-572, GRADE 50 S4x7.7 L.F.	W6x12 L.F.	W8x18 L.F.	W10x22 L.F.	FOOTER DIA. FT.	FOOTER DEPTH FT.	CLASS B CONC. REINF. C.Y.
1		STA. 171+90 LT.		S-6	S-10	NEW	11.5	7.0			80.5								MOUNTED TO OVERHEAD CANTILEVER						
	A1-1	STA. 191+50		S-7	S-10	NEW	16.0	6.0			96.0								MOUNTED TO OVERHEAD FULL SPAN						
2B	A1-1	STA. 191+50		S-7	S-10	NEW	15.5	6.0			93.0								MOUNTED TO OVERHEAD FULL SPAN						
2C		STA. 191+50		S-7	S-10	NEW	11.5	7.0			80.5								MOUNTED TO OVERHEAD FULL SPAN						
2D	R3-5LD	STA. 191+50		S-7		NEW	5.0	6.0			30.0								MOUNTED TO OVERHEAD FULL SPAN						
2E	R3-5LD	STA. 191+50		S-7		NEW	5.0	6.0			30.0								MOUNTED TO OVERHEAD FULL SPAN						
2F	R3-5TD	STA. 191+50		S-7		NEW	5.0	6.0			30.0								MOUNTED TO OVERHEAD FULL SPAN						
2G	R3-5TD	STA. 191+50		S-7		NEW	5.0	6.0			30.0								MOUNTED TO OVERHEAD FULL SPAN						
2H	R3-5TD	STA. 191+50		S-7		NEW	5.0	6.0			30.0								MOUNTED TO OVERHEAD FULL SPAN						
2I	R5-1a	STA. 191+50 LT.		S-7		NEW	3.0	2.0	6.0										MOUNTED TO BASE OF OVERHEAD						
3A		STA. 259+50 RT.		S-9	S-10	NEW	16.5	10.0			165.0								MOUNTED TO OVERHEAD HALF SPAN						
3B		STA. 259+50 RT.		S-9	S-11	NEW	19.5	14.0			273.0								MOUNTED TO OVERHEAD HALF SPAN						
4A		STA. 273+20 RT.		S-9	S-10	NEW	16.5	10.0			165.0								MOUNTED TO OVERHEAD HALF SPAN						
4B		STA. 273+20 RT.		S-9	S-11	NEW	22.5	13.0			292.5								MOUNTED TO OVERHEAD HALF SPAN						
5	W2-2	STA. 155+40 RT.	STA. 155+40 RT.	S-6		R&D	4.0	4.0	16.0					15.5 16.0			2								
6	W8-14	STA. 156+21 LT.	STA. 156+21 LT.	S-6		R&D	4.0	4.0	16.0					15.5 16.0			2								
7	D1-1	STA. 159+64 RT.	STA. 161+00 RT.	S-6	S-11	R&D	11.5	2.0			23.0						2		11.0				1.5	4.0	0.3
	R5-1a	STA. 159+64 RT.	STA. 161+25 RT.	S-6		R&D	3.0	2.0	6.0										12.0				1.5	4.0	0.3
8	R2-1	STA. 160+00 LT.		S-6		NEW	4.0	5.0	20.0					16.5 17.0											
9	R5-1	STA. 161+64 RT.	STA. 162+03 RT.	S-6		R&D	3.0	3.0	9.0					14.5			1								
10	R4-7	STA. 162+75 CT.	STA. 162+55 CT.	S-6		R&D	2.0	2.5	5.0					14.0			1								
	XR-3						1.25	0.5																	
11	R6-1L	STA. 162+81 LT.	STA. 163+26 LT.	S-6		R&D	4.0	1.5	6.0				12.5 13.0				2								
12	R1-1	STA. 163+45 RT.	STA. 163+45 RT.	S-6		R&D	3.0	3.0	9.0					14.5			1								
13	R4-7	STA. 163+53 CT.	STA. 163+41 CT.	S-6		R&D	2.0	2.5	5.0					14.0			1								
	XR-3						1.25	0.5																	
14	R5-1	STA. 163+91 LT.	STA. 163+69 LT.	S-6		R&D	3.0	3.0	9.0					15.5			1								
	W4-2R	STA. 163+91 RT.		S-6		NEW	4.0	4.0	16.0					16.0											
15	R5-1a	STA. 166+29 LT.	STA. 164+99 LT.	S-6		R&D	3.0	2.0	6.0								2		11.0				1.5	4.0	0.3
	D1-1	STA. 166+29 LT.	STA. 164+99 LT.	S-6	S-11		11.5	2.0			23.0								12.0				1.5	4.0	0.3
16	A1-2	STA. 170+85 RT.	STA. 168+47 RT.	S-6	S-12	NEW	16.0	9.0			144.0									19.0			2.5	5.5	1.0
	R2-50	STA. 172+79 CT.	STA. 172+97 CT.	S-6		R&D	4.0	5.0	20.0					16.5 17.0			2			20.0			2.5	5.5	1.0
SUB-TOTAL							149.0		1,585.5				25.5	218.5			17		46.0		39.0				3.2

SIGN DISPOSITION

STR - SIGN TO REMAIN IN PLACE
R&D - REMOVE AND DISCARD
R&S - REMOVE AND SAVE (REUSE)
NEW - NEW SIGN; NO EXISTING
COM - CENTERED IN MEDIAN

NOTES:
POST REMOVAL FOR EXISTING BREAKAWAY SUPPORTS SHALL INCLUDE THE CUTTING OFF OF THE EXISTING STUB(S) TO A MINIMUM OF SIX INCHES BELOW GROUND AND THE RESTORATION OF THE GROUND TO ITS ORIGINAL CONDITION.

SUPPORT LENGTHS INCLUDE STUBS WHERE REQUIRED.

** WHEN NOT NOTED SEE TP3-1

ASSEMBLIES 1 THRU 34

S-2

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGNING
ESTIMATE OF QUANTITIES

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	90	265

S-3

ASSEMBLY NUMBER	SIGN NUMBER	PROPOSED LOCATION	EXISTING LOCATION	LAYOUT SHT. NO.	FABRICATION DETAIL SHT. NO.	SIGN DISPOSITION	SIGNS: LENGTH (FT.)	SIGNS: HEIGHT (FT.)	SIGNS: FLAT SHEET 0.080 S.F.	SIGNS: FLAT SHEET 0.080 OVERLAY S.F.	SIGNS: EXTRUDED PANEL S.F.	SIGNS: INSTALL REUSED SIGN	SUPPORTS & FOUNDATIONS: U-CHANNEL 2.00 #/ft	U-CHANNEL 3.00 #/ft	U-CHANNEL 4.0088 #/ft	U-CHANNEL 6.0088 #/ft	U-CHANNEL POST REMOVAL	U-CHANNEL REUSE EX. SPTS.	A-572, GRADE 50 S4x7.7 L.F.	A-572, GRADE 50 W6x12 L.F.	A-572, GRADE 50 W8x18 L.F.	A-572, GRADE 50 W10x22 L.F.	FOOTER DIA. FT.	FOOTER DEPTH FT.	CLASS B CONC. REINF. C.Y.
35	M3-3	STA. 186+02 LT.		S-7		NEW	2.5	1.25	3.13					16											
	M1-4G	STA. 186+02 LT.		S-7		NEW	3.75	3.0	11.25					16.5											
36	R5-1	STA. 186+44 RT.		S-7		NEW	3.0	3.0	9.0					14.5											
37	R1-2	STA. 187+78 RT.	STA. 187+78 RT.	S-7		R&D	3.0	3.0	9.0					15.0				1							
38	R4-7	STA. 188+02 CT.		S-7		NEW	2.0	2.5	5.0					14.5											
	XR-3						1.25	0.5																	
39	R6-1L	STA. 188+08 LT.		S-7		NEW	4.0	1.5	6.0				12.5 13.0												
40	R4-7	STA. 188+35 RT.	STA. 188+35 RT.	S-7		R&D	2.0	2.5	5.0					14.0				1							
	XR-3						1.25	0.5																	
41	R4-7	STA. 188+77 CT.		S-7		NEW	2.0	2.5	5.0					14.0											
	XR-3						1.25	0.5																	
42	R5-1	STA. 189+41 LT.		S-7		NEW	3.0	3.0	9.0					14.5											
43	W20-6	STA. 190+82 RT.	STA. 190+81 RT.	S-7		R&D	2.33	0.67										2							
	W9-1R	STA. 190+82 RT.	STA. 190+81 RT.	S-7		R&D	4.0	4.0																	
44	D1-1	STA. 191+60 LT.		S-7	S-13	NEW	13.5	2.0			27.0								11.0				1.5	4.0	0.3
																			12.0				1.5	4.0	0.3
45	A1-2		STA. 193+02 RT.	S-7		R&D	10.5	8.0										2							
46	R6-1L	STA. 192+06 RT.		S-7		R&D	3.0	1.0										2							
47	W3-3	STA. 194+66 CT.	STA. 194+65 LT.	S-7		R&S	3.0	3.0						14.5											
48	W3-3	STA. 194+65 CT.	STA. 194+65 CT.	S-7		STR	3.0	3.0																	
49	W20-6	STA. 195+96 RT.	STA. 193+69 RT.	S-7		R&D	2.33	0.67	1.56					16.5				2							
	R3-7R	STA. 195+96 RT.	STA. 193+69 RT.	S-7		R&D	4.0	4.0	16.0					17.0											
50	R2-1	STA. 197+93 LT.		S-7		NEW	4.0	5.0	20.0					16.5 17.0											
51	D1-2	STA. 198+10 RT.	STA. 199+67 RT.	S-7	S-13	R&D	11.5	3.0			34.5							2	12.0				1.5	4.0	0.3
	R5-1a	STA. 198+10 RT.	STA. 198+28 RT.	S-7		R&D	3.0	2.0	6.0										13.0				1.5	4.0	0.3
52	A1-2	STA. 198+88 LT.	STA. 198+17 LT.	S-7	S-13	R&D	17.5	8.0			140.0							2				18.0	2.5	5.5	1.0
																						19.0	2.5	5.5	1.0
53	R3-7R	STA. 199+38 RT.	STA. 197+98 RT.	S-7		R&D	4.0	4.0	16.0					15.5 16.0											
54	M3-3	STA. 199+53 LT.		S-7		NEW	2.5	1.25	3.13					16.0											
	M1-4G	STA. 199+53 LT.		S-7		NEW	3.75	3.0	11.25					16.5											
55	R5-1	STA. 200+00 RT.	STA. 200+75 RT.	S-7		R&D	3.0	3.0	9.0					14.5				1							
56	R6-1L	STA. 200+57 LT.		S-7		NEW	4.0	1.5	6.0				12.5 13.0												
57	R4-7	STA. 200+97 CT.	STA. 201+00 CT.	S-7		R&D	2.0	2.5	5.0					14.0				1							
	XR-3						1.25	0.5																	
			SUB-TOTAL						156.32		201.5		51.0	293.0				16	48.0			37.0			3.2

ASSEMBLY NUMBER	SIGN NUMBER	PROPOSED LOCATION	EXISTING LOCATION	LAYOUT SHT. NO.	FABRICATION DETAIL SHT. NO.	SIGN DISPOSITION	SIGNS: LENGTH (FT.)	SIGNS: HEIGHT (FT.)	SIGNS: FLAT SHEET 0.080 S.F.	SIGNS: FLAT SHEET 0.080 OVERLAY S.F.	SIGNS: EXTRUDED PANEL S.F.	SIGNS: INSTALL REUSED SIGN	SUPPORTS & FOUNDATIONS: U-CHANNEL 2.00 #/ft	U-CHANNEL 3.00 #/ft	U-CHANNEL 4.0088 #/ft	U-CHANNEL 6.0088 #/ft	U-CHANNEL POST REMOVAL	U-CHANNEL REUSE EX. SPTS.	A-572, GRADE 50 S4x7.7 L.F.	A-572, GRADE 50 W6x12 L.F.	A-572, GRADE 50 W8x18 L.F.	A-572, GRADE 50 W10x22 L.F.	FOOTER DIA. FT.	FOOTER DEPTH FT.	CLASS B CONC. REINF. C.Y.
58	R1-2	STA. 200+97 RT.	STA. 200+97 RT.	S-7		R&D	3.0	3.0									1								
			STA. 201+07 RT.	S-7		STR																			
59	R4-7	STA. 202+07 CT.	STA. 201+94 CT.	S-7		R&D	2.0	2.5	5.0					14.0			1								
	XR-3						1.25	0.5																	
60	R6-1L	STA. 202+47 RT.		S-7		NEW	4.0	1.5	6.0				12.5 13.0												
61	R5-1	STA. 203+08 LT.	STA. 202+60 LT.	S-7		R&D	3.0	3.0	9.0					14.5			1								
62	M1-4	STA. 203+55 RT.	STA. 203+55 RT.	S-7		R&D	3.75	3.0	11.25					16.0			1								
	M3-1	STA. 203+55 RT.	STA. 203+55 RT.	S-7			2.5	1.25	3.13					16.5											
63	R5-1a	STA. 205+08 LT.	STA. 204+39 LT.	S-7		R&D	3.0	2.0	6.0								2		12.0				1.5	4.0	0.3
	D1-2	STA. 205+08 LT.	STA. 203+56 LT.	S-7	S-13		11.5	3.0			34.5								13.0				1.5	4.0	0.3
64	A1-1	STA. 207+00 RT.		S-7	S-14	NEW	15.5	4.0			62.0									14.0			2.5	4.0	0.7
																				15.0			2.5	4.0	0.7
65	R2-1	STA. 208+16 RT.	STA. 208+02 RT.	S-7		R&D	4.0	5.0	20.0								2								
														16.5 17.0											
66	W2-1	STA. 211+00 RT	STA. 211+00 RT	S-8			4.0	4.0									2								
67	A1-2	STA. 212+26 LT	STA. 215+59 LT.	S-8	S-14	R&D	10.5	8.0			84.0						2			18.0			2.5	4.0	0.7
																				19.0			2.5	4.0	0.7
68	R2-1	STA. 214+91 LT.		S-8		NEW	4.0	5.0	20.0					16.5 17.0											
69	D1-1	STA. 215+47 RT.	STA. 215+47 RT.	S-8	S-14	NEW	10.5	2.0			21.0								11.0				1.5	4.0	0.3
	R5-1a	STA. 215+53 RT.	STA. 215+53 RT.	S-8		R&D	3.0	2.0	6.0								1		12.0				1.5	4.0	0.3
70	M3-3	STA. 216+39 LT.		S-8		NEW	2.5	1.75	3.13					16.0											
	M1-4G	STA. 216+29 LT.		S-8		NEW	3.75	3.0	11.25					16.5											
71	R6-1L	STA. 217+18 LT.		S-8		NEW	4.0	1.5	6.0				12.5 13.0												
72	R5-1	STA. 217+30 RT.	STA. 217+09 RT.	S-8		R&D	3.0	3.0	9.0					14.5			1								
73	R4-7	STA. 217+89 CT.		S-8		NEW	2.0	2.5	5.0					14.0											
	XR-3						1.25	0.5																	
74	R4-7	STA.219+16 CT.		S-8		NEW	2.0	2.5	5.0					14.0											
	XR-3						1.25	0.5																	
		SUB-TOTAL					125.76		201.5		51.0	203.0					14		48.0	66.0					4.0
		SUB-TOTAL COLUMN 1					156.32		201.5		51.0	293.0					16		48.0		37.0				3.2
		TOTAL THIS SHEET					282.08		403.0		102.0	496.0					30		96.0	66.0	37.0				7.2

SIGN DISPOSITION

STR - SIGN TO REMAIN IN PLACE
R&D - REMOVE AND DISCARD
R&S - REMOVE AND SAVE (REUSE)
NEW - NEW SIGN: NO EXISTING
COM - CENTERED IN MEDIAN

NOTES:
POST REMOVAL FOR EXISTING BREAKAWAY SUPPORTS SHALL INCLUDE THE CUTTING OFF OF THE EXISTING STUB(S) TO A MINIMUM OF SIX INCHES BELOW GROUND AND THE RESTORATION OF THE GROUND TO ITS ORIGINAL CONDITION.

SUPPORT LENGTHS INCLUDE STUBS WHERE REQUIRED.

** WHEN NOT NOTED SEE TP3-1.

ASSEMBLIES 35 THRU 74

S-3

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGNING
ESTIMATE OF QUANTITIES

u:\99191\signing\estquan2.dgn Jun. 20, 2000 14:45:39

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	91	265

S-4

ASSEMBLY NUMBER	SIGN NUMBER	PROPOSED LOCATION	EXISTING LOCATION	LAYOUT SHT. NO.	FABRICATION DETAIL SHT. NO.	SIGN DISPOSITION	SIGNS: LENGTH	SIGNS: HEIGHT	SIGNS: FLAT SHEET 0.080 S.F.	SIGNS: FLAT SHEET 0.080 OVERLAY S.F.	SIGNS: EXTRUDED PANEL S.F.	SIGNS: INSTALL REUSED SIGN	SUPPORTS & FOUNDATIONS: U-CHANNEL 2.00 #/ft	U-CHANNEL 3.00 #/ft	U-CHANNEL 4.0088 #/ft	U-CHANNEL 6.0088 #/ft	POST REMOVAL	REUSE EX. SPTS.	A-572, GRADE 50 S4x7.7 L.F.	A-572, GRADE 50 W6x12 L.F.	A-572, GRADE 50 W8x18 L.F.	A-572, GRADE 50 W10x22 L.F.	FOOTER DIA. FT.	FOOTER DEPTH FT.	CLASS B CONC. REINF. C.Y.
75	R6-1L	STA. 219+47 RT.		S-8		NEW	4.0	1.5	6.0				12.5 13.0												
76	R5-1	STA. 220+13 LT.	STA. 220+34LT.	S-8		R&D	3.0	3.0	9.0					14.5			1								
77	M1-4	STA. 220+77 RT.		S-8		NEW	2.5	1.25	3.13					16.0											
	M3-1	STA. 220+77 RT.		S-8		NEW	3.75	3.0	11.25					16.5											
78	R5-1a	STA. 222+13 LT.	STA. 221+43 LT.	S-8		R&D	3.0	2.0	6.0								1		11.0				1.5	4.0	0.3
	D1-1	STA. 222+13 LT.		S-8	S-14		10.5	2.0			21.0								12.0				1.5	4.0	0.3
79	E1-1a	STA. 223+91 RT.	STA. 223+91 RT.	S-8	S-15	R&D	19.5	12.0			234.0						2				22.0		2.5	5.5	1.0
80	A1-1	STA. 226+73 RT.		S-8	S-15	R&D	13.5	4.0			54.0								13.0				2.5	5.5	1.0
																							1.5	4.0	0.3
81	D10-2	STA. 228+48 LT.		S-8		R&S	0.5	3.0					10.0						14.0				1.5	4.0	0.3
82	A1-1	STA. 228+89 LT.	STA. 226+25 LT.	S-8	S-15	R&D	15.5	4.0			62.0						2			14.0			2.5	4.0	0.7
																				16.0			2.5	4.0	0.7
83	W2-2	STA. 230+36 RT.	STA. 230+36 RT.	S-8		R&D	4.0	4.0									2								
84	R2-1	STA. 230+66 LT.		S-8		NEW	4.0	5.0	20.0					16.5 17.0											
85	D1-1	STA. 233+78 RT.		S-8	S-15	NEW	12.0	2.0			24.0						1		11.0				1.5	4.0	0.3
	R5-1a	STA. 233+78 RT.	STA. 234+63 RT.	S-8		R&D	3.0	2.0	6.0										13.0				1.5	4.0	0.3
86	M3-3	STA. 234+52 LT.		S-8		NEW	2.5	1.25	3.13					16.0											
	M1-4G	STA. 234+52 LT.		S-8		NEW	3.75	3.0	11.25					16.5											
87	R5-1	STA. 235+78 RT.	STA. 236+00 RT.	S-8		R&D	3.0	3.0	9.0					14.5			1								
88	R4-7	STA. 236+17 CT.		S-8		NEW	2.0	2.5	5.0					14.0											
	XR-3						1.25	0.5																	
89	R6-1L	STA. 236+61 RT.	STA. 236+61 RT.	S-8		R&D	4.0	1.5	6.0				12.5 13.0				2								
90	R4-7	STA. 236+89 CT.		S-8		NEW	2.0	2.5	5.0					14.0											
	XR-3						1.25	0.5																	
91	R5-1	STA. 237+90 LT.	STA. 238+04 LT.	S-8		R&D	3.0	3.0	9.0					14.5			1								
92	R3-7R	STA. 237+90 LT.	STA. 239+30 LT.	S-8		R&D	4.0	4.0	16.0					15.5 16.0			2								
93	M1-4G	STA. 239+24 RT.		S-8		NEW	3.75	3.0	11.25					16.0											
	M3-1	STA. 239+24 RT.		S-8		NEW	2.5	1.25	3.13					16.5											
94	R5-1a	STA. 239+90 LT.	STA. 239+12 LT.	S-8		NEW	3.0	2.0	6.0										11.0				1.5	4.0	0.3
	D1-1	STA. 239+90 LT.		S-8	S-16	NEW	12.0	2.0			24.0								12.0				1.5	4.0	0.3
95	R2-1	STA. 241+90 RT.		S-9		NEW	4.0	5.0	20.0					16.5 17.0											
96	AE-51	STA. 242+33 LT.	STA. 242+42 LT.	S-9	S-16	R&D	7.0	2.5	17.5					13.0 14.0			2								
97	A1-1	STA. 246+90 LT.		S-9	S-16	NEW	13.5	4.0			54.0								13.0				1.5	4.0	0.3
																			14.0				1.5	4.0	0.3
98	E1-1a	STA. 247+27 RT.	STA. 247+17 RT.	S-9	S-16	R&D	19.5	12.0			234.0						2				22.0		2.5	5.5	1.0
																					25.0		2.5	5.5	1.0
		SUB-TOTAL							183.64		707.0		61.0	294.5			19		124.0	30.0	94.0				8.4
99	W8-14	STA. 254+28 RT.	STA. 254+41 RT.	S-9		R&D	4.0	4.0	16.0					15.5 16.0			2								
100	D2-3	STA. 257+52 LT.	STA. 257+52 LT.	S-9	S-17	R&D	8.5	5.0			42.5						2		14.0				1.5	4.0	0.3
																			15.0				1.5	4.0	0.3
101	R2-1	STA. 264+72 LT.	STA. 264+90 LT.	S-9		R&D	4.0	5.0	20.0					16.5 17.0			2								
102	M3-3	STA. 269+00 LT.	STA. 269+00 LT.	S-9		R&D	2.5	1.25	3.13					16.0			2								
	M1-4G	STA. 269+00 LT.	STA. 269+00 LT.	S-9			3.75	3.0	11.25					16.5											
103	I-3C	STA. 269+39 RT.	STA. 269+39 RT.	S-9	S-17	R&D	3.5	2.5	8.75					13.0			1								
	SUB-TOTAL						59.13		42.5					110.5			9		29.0						0.6
	SUB-TOTAL COLUMN 1						183.64		707.0				61.0	294.5			19		124.0	30.0	94.0				8.4
	TOTAL THIS SHEET						242.77		749.5				61.0	405.0			28		153.0	30.0	94.0				9.0
	TOTAL ALL SHEETS						839.48		2,871				214.0	1,393.0			96		372.0	96.0	170.0				21.2

SIGN DISPOSITION

STR - SIGN TO REMAIN IN PLACE
R&D - REMOVE AND DISCARD
R&S - REMOVE AND SAVE (REUSE)
NEW - NEW SIGN; NO EXISTING
COM - CENTERED IN MEDIAN

NOTES:
POST REMOVAL FOR EXISTING BREAKAWAY SUPPORTS SHALL INCLUDE THE CUTTING OFF OF THE EXISTING STUB(S) TO A MINIMUM OF SIX INCHES BELOW GROUND AND THE RESTORATION OF THE GROUND TO ITS ORIGINAL CONDITION.

SUPPORT LENGTHS INCLUDE STUBS WHERE REQUIRED.

** WHEN NOT NOTED SEE TP3-1.

ASSEMBLIES 75 THRU 103

S-4

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGNING
ESTIMATE OF QUANTITIES

u:\99191\signing\estquan3.dgn Jun. 20, 2000 14:45:48

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	92	265

S-5

DELINEATORS

LOCATION	DEGREE OF CURVE OR TANGENT	QUANTITY									
		SINGLE WHITE	PLASTIC DELINEATOR POST (WHITE)	SINGLE AMBER	DOUBLE AMBER	3-AMBER (XR-3)	9-AMBER (XR-9)	TYPE OF SUPPORT			
								U-CHANNEL	TYPE "A" BRACKET	TYPE "B" BRACKET	TYPE "C" BRACKET
STA. 154+20 to STA. 184+38	TANGENT	5	15	58		4		63			
STA. 184+38 to STA. 192+82	3° 00' (130' Spacing)	7	7	32		2		39			
STA. 192+82 to STA. 225+86	TANGENT	5	17	108		4		113			
STA. 225+86 to STA. 236+59	3° 00' (130' Spacing)	9	9	28		0		37			
STA. 236+59 to STA. 242+43	TANGENT	2	2	0		2		2			
STA. 242+43 to STA. 255+54	3° 30' (120' Spacing)	4	18	0		0		4			
STA. 255+54 to STA. 269+70	TANGENT	6	4	0		0		6			
TOTAL		38	72	226		12		264			

NOTE: MEASUREMENT FOR SPACING OF DELINEATORS SHALL BE TAKEN ON THE EDGE OF ROADWAY NEAREST THE LOCATION OF THE DELINEATORS.

264 U-CHANNELS X 7 L.F.(TYP.) = 1,848 L.F. OF 2.00 LB. U-CHANNELS (ITEM 657008-001)

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

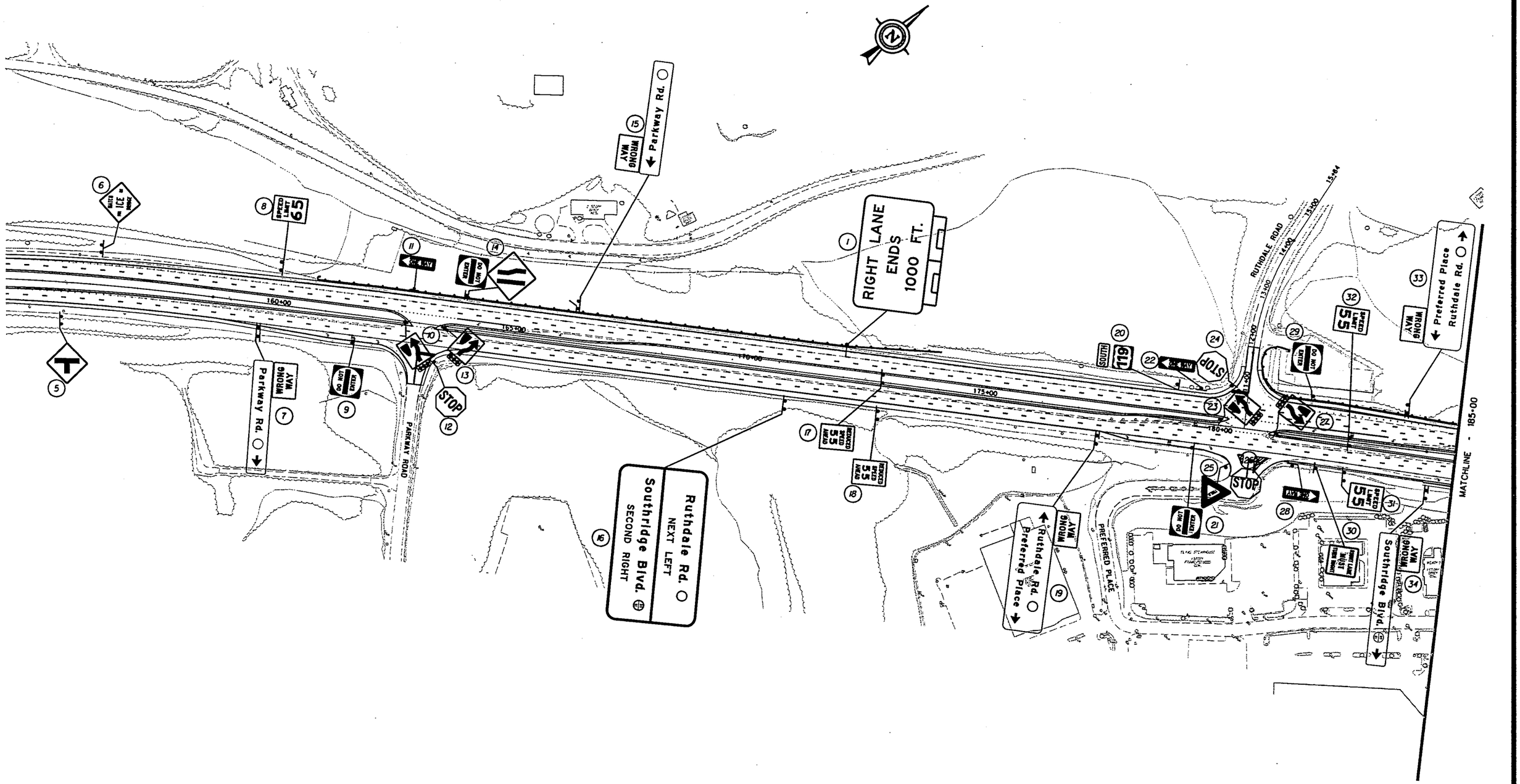
DELINEATOR ESTIMATE OF QUANTITIES

S-5

u:\99191\signing\delineat1.dgn Jun. 20, 2000 14:44:51

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	93	265

S-6



SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

S-6

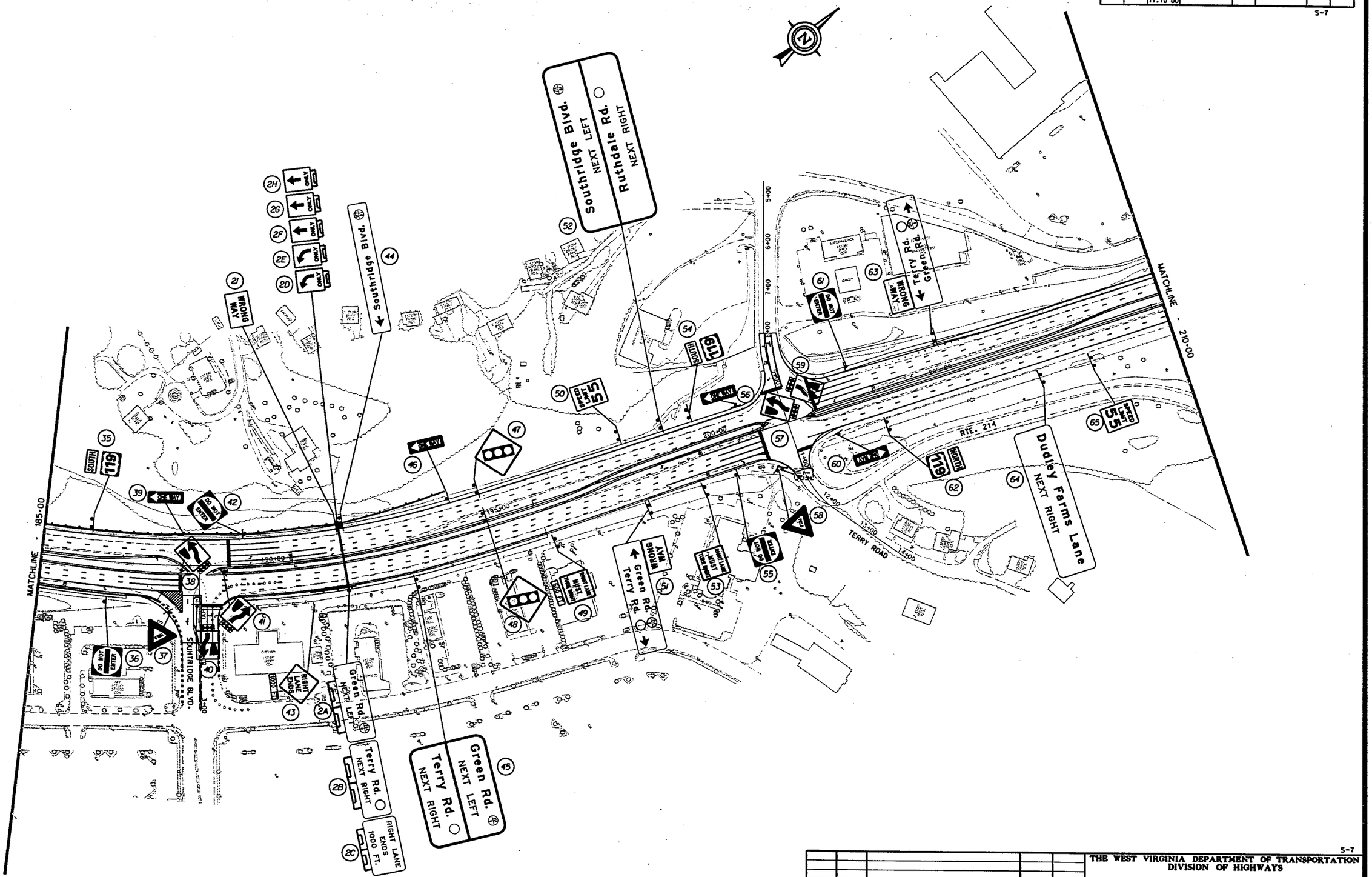
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGNING PLAN

u:\99191\signing\signplan1.dgn Jun. 20, 2000 14:48:43

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	94	265

S-7



SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

S-7

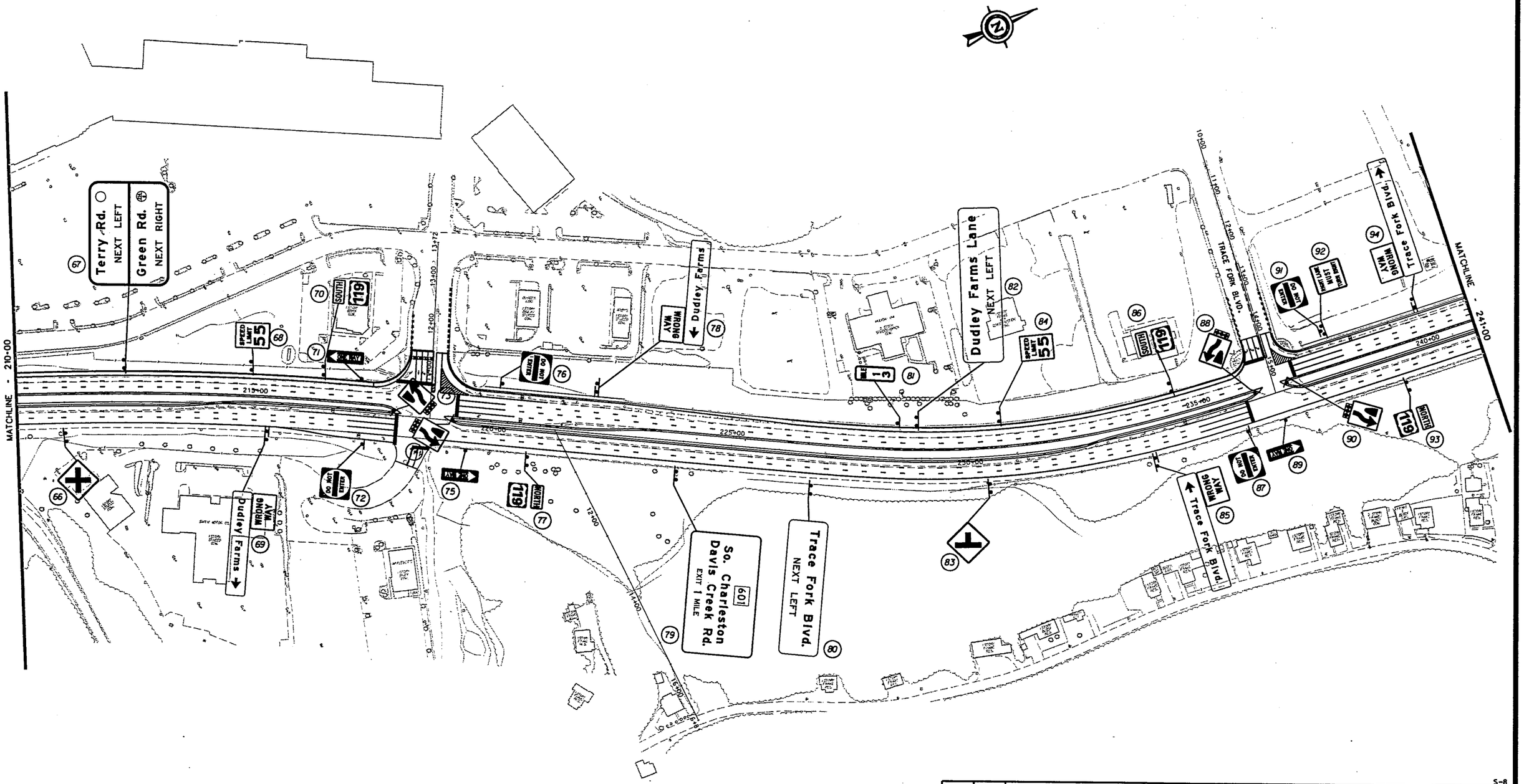
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGNING PLAN

u:\99191\signing\signplan2.dgn Jun. 20, 2000 14:49:01

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	95	265

S-8



S-8

SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

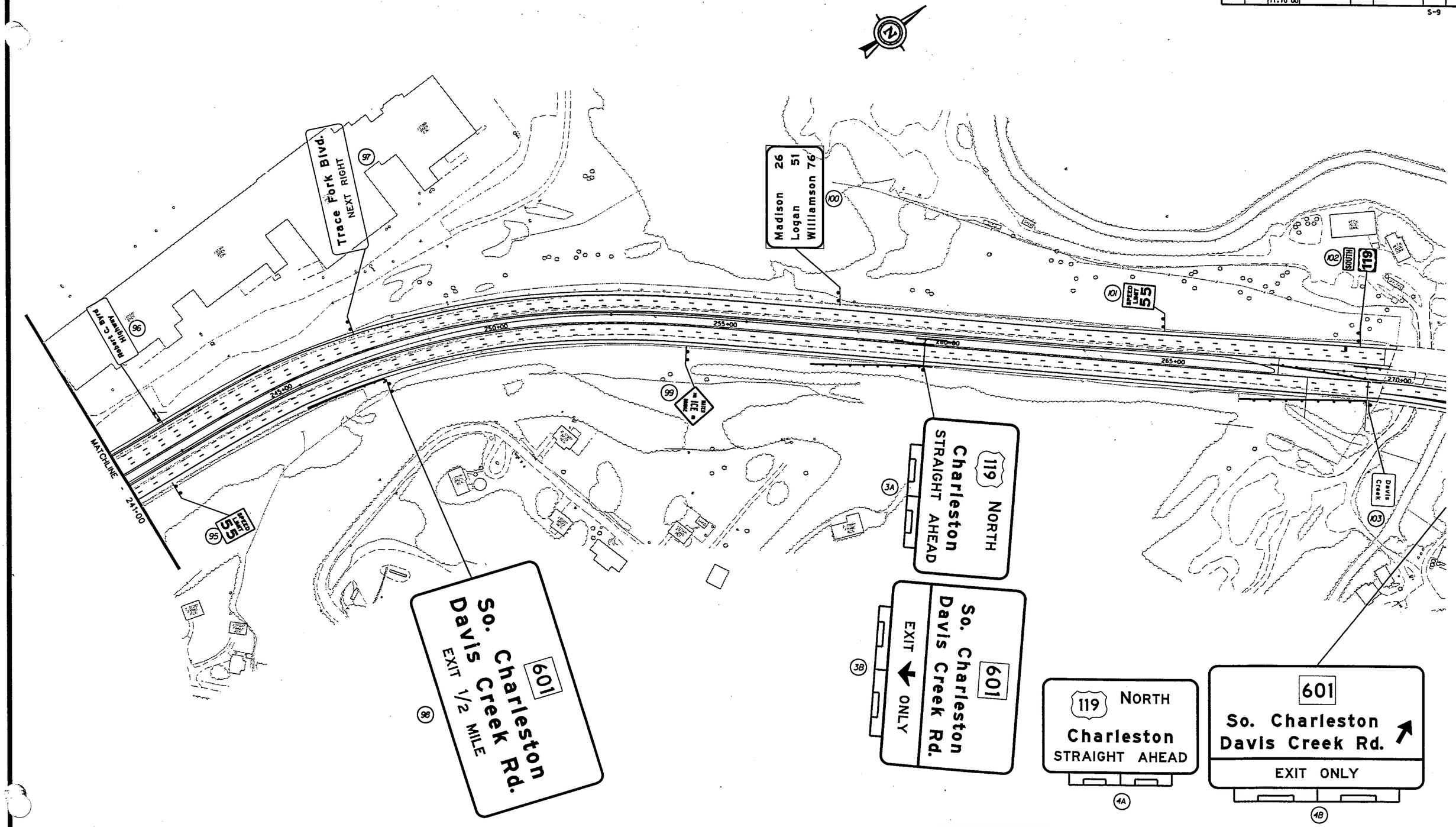
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGNING PLAN

u:\99191\signing\signplan3.dgn Jun. 20, 2000 14:49:22

Public Roads Dtn.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	96	265

S-9



SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

S-9

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

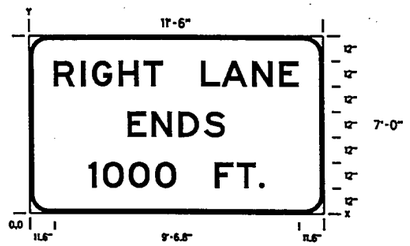
SIGNING PLAN

u:\99191\signing\signplan4.dgn Jun. 20, 2000 14:49:45

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	97	265

S-10

SIGN DETAIL
SCALE 1"=3"



ASSY. NO.	1 AND 2C
SIGN NO.	
LxH (AREA)	11.5' X 7.0' = 80.5 S.F.
MARGIN/BORDER/RADIUS	2/9
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: YELLOW
LEGEND/BORDER	DEMT. HI-INT
	COLOR: BLACK

SYMBOL	X	Y	WID	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																							HT LEN
60.0 E	X	R	I	G	H	T	X	L	A	N	E	X												12.0
	11.6	12.6	5.1	12.6	12.0	8.8	18.0	9.6	14.5	12.6	8.8	11.6												114.8
36.0 E	X	E	N	D	S	X																		12.0
	46.2	11.3	12.6	12.0	9.6	46.2																		45.5
12.0 E	X	1	0	0	0	X	F	T	.	X														12.0
	27.6	6.6	12.4	12.4	9.9	18.0	10.5	10.4	2.6	27.6														82.8

SIGN DETAIL
SCALE 1"=3"

ASSY. NO.	2A
SIGN NO.	A1-1
LxH (AREA)	16.0' X 6.0' = 96 S.F.
MARGIN/BORDER/RADIUS	2/9
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

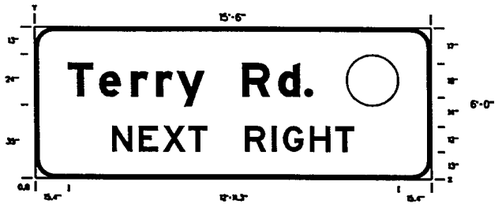
SYMBOL	X	Y	WID	HT
CR12	151.2	35.0	24.0	24.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																							HT LEN
39.0 EM	X	G	r	e	e	n	X	R	d	.	X													16.0
	16.8	18.0	10.2	13.8	15.1	10.1	18.0	16.9	12.2	4.0	56.8													118.3
13.0 E	X	N	E	X	T	X	L	E	F	T	X													12.0
	43.8	12.6	11.3	12.0	8.8	18.0	11.3	11.3	10.4	8.8	43.8													104.5

SIGN DETAIL
SCALE 1"=3"



ASSY. NO.	2B
SIGN NO.	A1-1
LxH (AREA)	15.5' X 6.0' = 93 S.F.
MARGIN/BORDER/RADIUS	2/9
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

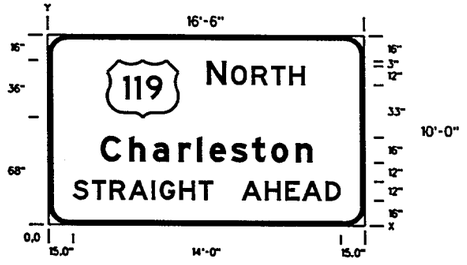
SYMBOL	X	Y	WID	HT
CR2A	146.6	35.0	24.0	24.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																							HT LEN
39.0 EM	X	T	e	r	r	y	X	R	d	.	X													16.0
	15.4	14.7	15.1	11.6	9.9	12.9	18.0	16.9	12.2	4.0	55.4													115.3
13.0 E	X	N	E	X	T	X	R	I	G	H	T	X												12.0
	36.0	12.6	11.3	12.0	8.8	18.0	12.6	5.1	12.6	12.0	8.8	36.0												113.9

SIGN DETAIL
SCALE 1"=4"



ASSY. NO.	3A AND 4A
SIGN NO.	
LxH (AREA)	16.5'X10.0' = 165.0 SF
MARGIN/BORDER/RADIUS	3/12
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
M1_4_3	37.0	68.0	45.0	36.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																							HT LEN
89.0 E	X	N	O	R	T	H	X																	15.0 12.0 60.9
	100.1	15.0	13.0	12.0	11.3	9.6	37.0																	
79.3 D	X	1	1	9	X																			15.0 24.6
	47.3	7.2	7.2	10.1	126.2																			
40.0 EM	X	C	h	a	r	l	e	s	t	o	n	X												16.0 12.0 132.5
	32.7	18.0	15.0	16.2	11.6	7.9	13.5	13.2	11.6	15.4	10.1	32.7												
16.0 E	X	S	T	R	A	I	G	H	T	X	A	H	E	A	D	X								12.0
	15.0	12.0	11.3	12.0	14.5	5.1	12.6	12.0	8.8	18.0	14.5	12.6	10.4	14.5	9.6	15.0								168.0

S-10

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

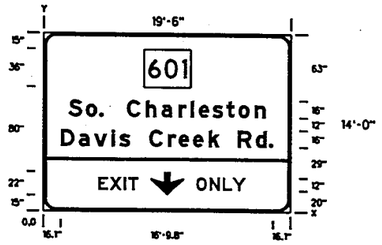
SIGN FABRICATION DETAILS

...\99191\signing\signfabsall.dgn Jun. 20, 2000 14:47:13

Public Road Sys.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	98	265

S-11

SIGN DETAIL
SCALE 1"=6"



ASSY. NO.	38			
SIGN NO.				
LxH (AREA)	19.5'X14.0' = 273.0 SF			
MARGIN/BORDER/RADIUS	3/12			
MATERIAL	EX. PANEL			
BACKGROUND	HI-INTENSITY			
	COLOR: TOP= GREEN BOTTOM= YELLOW			
LEGEND/BORDER	DEMT. HI-INT			
	COLOR: TOP= WHITE BOTTOM= BLACK			

SYMBOL	X	Y	WID	HT
WV3	94.5	117.0	45.0	36.0
ARDOWN	101.0	15.0	32.0	22.0

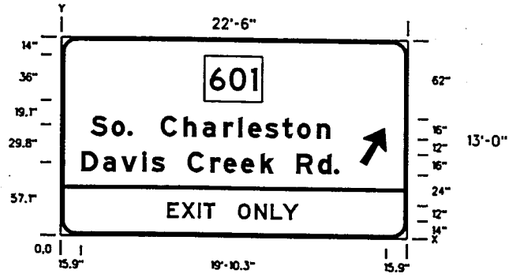
DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

LETTER SPACINGS

Y FONT																							HT LEN
126.0 D	X	6	0	1	X																		18.0
	98.6	15.5	16.9	4.4	98.6																		36.8
89.0 EM	X	S	o	.	X	C	h	a	r	l	e	s	t	o	n	X							16.0 12.0 187.8
	23.1	16.5	12.6	8.2	18.0	18.0	15.0	16.2	11.6	7.9	13.5	13.2	11.6	15.4	10.1	23.1							
61.0 EM	X	D	a	v	i	s	X	C	r	e	e	k	X	R	d	.	X						16.0
	16.1	16.9	14.6	16.5	7.5	10.1	18.0	18.0	10.2	13.8	15.1	10.1	18.0	16.9	12.2	4.0	16.1						201.8
20.0 E	X	E	X	I	T	O	N	L	Y	X													12.0
	51.6	11.3	12.8	4.5	64.8	13.0	12.6	9.6	12.0	41.8													140.7

SIGN DETAIL
SCALE 1"=5"



ASSY. NO.	48			
SIGN NO.				
LxH (AREA)	22.5'X13.0' = 292.5 SF			
MARGIN/BORDER/RADIUS	3/12			
MATERIAL	EX. PANEL			
BACKGROUND	HI-INTENSITY			
	COLOR: TOP= GREEN BOTTOM= YELLOW			
LEGEND/BORDER	DEMT. HI-INT			
	COLOR: TOP= WHITE BOTTOM= BLACK			

SYMBOL	X	Y	WID	HT
ARLONG,60deg	233.7	57.1	20.5	29.8
WV3	112.5	106.0	45.0	36.0

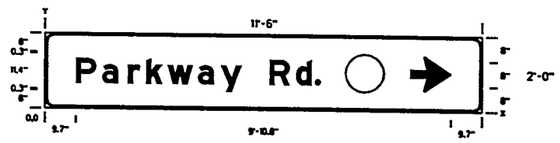
DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

LETTER SPACINGS

Y FONT																							HT LEN
115.0 D	X	6	0	1	X																		18.0
	116.6	15.5	16.9	4.4	116.6																		36.8
78.0 EM	X	S	o	.	X	C	h	a	r	l	e	s	t	o	n	X							16.0 12.0 187.8
	22.9	16.5	12.6	8.2	18.0	18.0	15.0	16.2	11.6	7.9	13.5	13.2	11.6	15.4	10.1	59.3							
50.0 EM	X	D	a	v	i	s	X	C	r	e	e	k	X	R	d	.	X						16.0
	15.9	16.9	14.6	16.5	7.5	10.1	18.0	18.0	10.2	13.8	15.1	10.1	18.0	16.9	12.2	4.0	52.3						201.8
14.0 E	X	E	X	I	T	X	O	N	L	Y	X												12.0
	83.7	11.3	12.8	4.5	8.8	18.0	13.0	12.6	9.6	12.0	83.7												102.7

SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	7			
SIGN NO.	D1-1			
LxH (AREA)	11.5' X 2.0' = 23 S.F.			
MARGIN/BORDER/RADIUS	1/3			
MATERIAL	EX. PANEL			
BACKGROUND	HI-INTENSITY			
	COLOR: GREEN			
LEGEND/BORDER	DEMT. HI-INT			
	COLOR: WHITE			

SYMBOL	X	Y	WID	HT
ARSHRT	115.5	6.3	12.8	11.4
CR2A	95.5	6.0	12.0	12.0

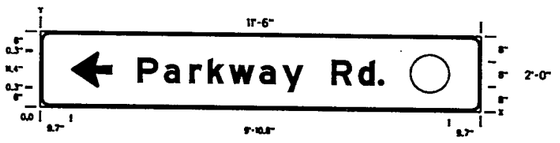
DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

LETTER SPACINGS

Y FONT														HT LEN
8.0 EM	X	P	a	r	k	w	a	y	X	R	d	.	X	8.0
	9.7	8.3	8.1	5.8	6.7	9.6	7.3	6.5	9.0	8.4	6.1	2.0	50.5	77.8

SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	15			
SIGN NO.	D1-1			
LxH (AREA)	11.5' X 2.0' = 23 S.F.			
MARGIN/BORDER/RADIUS	1/3			
MATERIAL	EX. PANEL			
BACKGROUND	HI-INTENSITY			
	COLOR: GREEN			
LEGEND/BORDER	DEMT. HI-INT			
	COLOR: WHITE			

SYMBOL	X	Y	WID	HT
ARSHRT,180deg	9.7	6.3	12.8	11.4
CR2A	116.3	6.0	12.0	12.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

LETTER SPACINGS

Y FONT														HT LEN
8.0 EM	X	P	a	r	k	w	a	y	X	R	d	.	X	8.0
	30.5	8.3	8.1	5.8	6.7	9.6	7.3	6.5	9.0	8.4	6.1	2.0	29.7	77.8

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

S-11

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGN FABRICATION DETAILS

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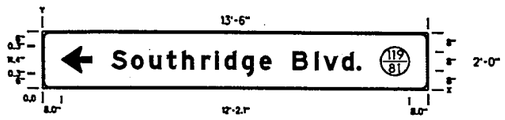
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	100	265

S-13

SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	44
SIGN NO.	D1-1
LxH (AREA)	13.5' X 2' = 27 S.F.
MARGIN/BORDER/RADIUS	1/3
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

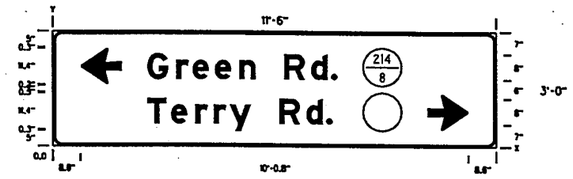
SYMBOL	X	Y	WID	HT
ARSHRT,180deg	8.0	6.3	12.8	11.4
CR12	142.0	6.0	12.0	12.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
8.0 EM	X	S	o	u	t	h	r	i	d	g	e	X	B	l	v	d	.	X					8.0
	28.8	8.2	7.7	7.3	6.5	8.1	5.8	4.0	7.5	7.5	5.0	9.0	9.2	3.7	7.6	6.1	2.0	28.0					105.3

SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	51
SIGN NO.	D1-2
LxH (AREA)	11.5' X 3.0' = 34.5 S.F.
MARGIN/BORDER/RADIUS	1/3
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

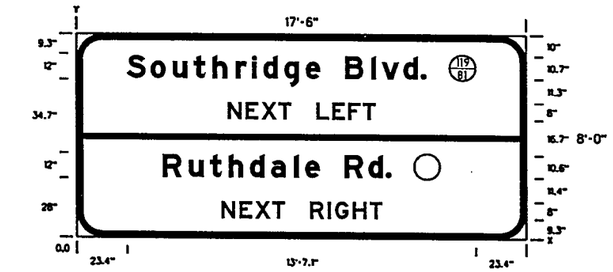
SYMBOL	X	Y	WID	HT
ARSHRT,180deg	8.6	19.3	12.8	11.4
ARSHRT	116.6	5.3	12.8	11.4
CR12	96.6	19.0	12.0	12.0
CR2A	96.6	5.0	12.0	12.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
21.0 EM	X	G	r	e	e	n	X	R	d	.	X												8.0
	29.4	9.0	5.1	6.9	7.6	5.0	9.0	8.4	6.1	2.0	49.4												59.2
7.0 EM	X	T	e	r	r	y	X	R	d	.	X												8.0
	29.4	7.4	7.6	5.8	4.9	6.5	9.0	8.4	6.1	2.0	50.9												57.6

SIGN DETAIL
SCALE 1"=3"



ASSY. NO.	52
SIGN NO.	A1-2
LxH (AREA)	17.5' X 8.0' = 140 S.F.
MARGIN/BORDER/RADIUS	3/12
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

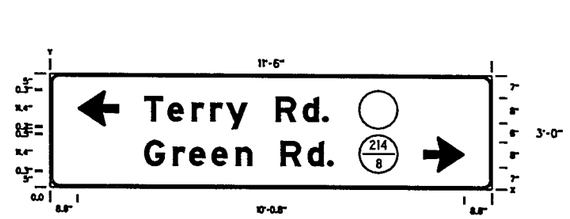
SYMBOL	X	Y	WID	HT
CR12	174.6	74.7	12.0	12.0
CR2A	158.0	28.0	12.0	12.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
75.3 EM	X	S	o	u	t	h	r	i	d	g	e	X	B	l	v	d	.	X					10.7
	23.4	11.0	10.3	9.7	8.7	10.8	7.7	5.3	10.0	10.0	6.7	12.0	12.3	5.0	10.1	8.1	2.7	46.1					140.4
56.0 E	X	N	E	X	T	X	L	E	F	T	X												8.0
	70.2	8.4	7.5	8.0	5.9	12.0	7.5	7.5	7.0	5.9	70.2												69.7
28.7 EM	X	R	u	t	h	d	a	l	e	X	R	d	.	X									10.7
	40.0	12.1	9.7	8.7	10.0	10.0	10.8	5.3	6.7	12.0	11.3	8.1	2.7	62.6									107.4
9.3 E	X	N	E	X	T	X	R	I	G	H	T	X											8.0
	67.0	8.4	7.5	8.0	5.9	12.0	8.4	3.4	8.4	8.0	5.9	67.0											76.0

SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	63
SIGN NO.	D1-2
LxH (AREA)	11.5' X 3.0' = 34.5 S.F.
MARGIN/BORDER/RADIUS	1/3
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
ARSHRT,180deg	8.6	19.3	12.8	11.4
ARSHRT	116.6	5.3	12.8	11.4
CR12	96.6	5.0	12.0	12.0
CR2A	96.6	19.0	12.0	12.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
21.0 EM	X	T	e	r	r	y	X	R	d	.	X												8.0
	29.4	7.4	7.6	5.8	4.9	6.5	9.0	8.4	6.1	2.0	50.9												57.6
7.0 EM	X	G	r	e	e	n	X	R	d	.	X												8.0
	29.4	9.0	5.1	6.9	7.6	5.0	9.0	8.4	6.1	2.0	49.4												59.2

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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGN FABRICATION DETAILS

...\99191\signing\signfabsall.dgn Jun. 20, 2000 14:47:38

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	101	265

S-14

SIGN DETAIL
SCALE 1"=3"

ASSY. NO.	64
SIGN NO.	A1-1
LxH (AREA)	15.5' X 4.0' = 62.0 S.F
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

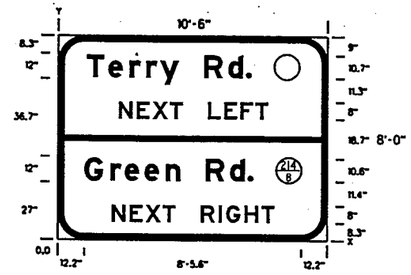
SYMBOL	X	Y	WID	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
27.7 EM	X	D	u	d	l	e	y	X	F	a	r	m	s	X	L	a	n	e	X				10.7 8.0
	10.0	12.1	10.0	10.8	5.3	9.0	8.6	12.0	9.2	10.8	7.7	14.3	6.7	12.0	10.0	10.8	10.0	6.7	10.0				166.0
9.7 E	X	N	E	X	T	X	R	I	G	H	T	X											8.0
	55.0	8.4	7.5	8.0	5.9	12.0	8.4	3.4	8.4	8.0	5.9	55.0											76.0

SIGN DETAIL
SCALE 1"=3"



ASSY. NO.	67
SIGN NO.	A1-2
LxH (AREA)	10.5' X 8.0' = 84.0 S.F
MARGIN/BORDER/RADIUS	3/12
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

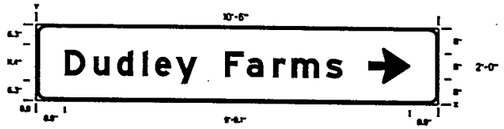
SYMBOL	X	Y	WID	HT
CR2A	100.8	75.7	12.0	12.0
CR12	101.8	27.0	12.0	12.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
76.3 EM	X	T	e	r	r	y	X	R	d	.	X												10.7
	13.2	9.8	10.1	7.7	6.6	8.6	12.0	11.3	8.1	2.7	35.9												76.9
57.0 E	X	N	E	X	T	X	L	E	F	T	X												8.0
	28.2	8.4	7.5	8.0	5.9	12.0	7.5	7.5	7.0	5.9	28.2												69.7
27.7 EM	X	G	r	e	e	n	X	R	d	.	X												10.7
	12.2	12.0	6.8	9.2	10.1	6.7	12.0	11.3	8.1	2.7	34.9												78.9
8.3 E	X	N	E	X	T	X	R	I	G	H	T	X											8.0
	25.0	8.4	7.5	8.0	5.9	12.0	8.4	3.4	8.4	8.0	5.9	25.0											76.0

SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	69
SIGN NO.	D1-1
LxH (AREA)	10.5' X 2.0' = 21.0 S.F.
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
ARSHRT	104.3	6.3	12.8	11.4

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
8.0 EM	X	D	u	d	l	e	y	X	F	a	r	m	s	X									8.0 6.0
	8.9	9.1	7.5	8.1	4.0	6.7	6.5	9.0	6.9	8.1	5.8	10.7	5.0	29.7									87.3

SIGN DETAIL
SCALE 1"=2"

ASSY. NO.	78
SIGN NO.	D1-1
LxH (AREA)	10.5' X 2.0' = 21.0 S.F.
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
ARSHRT,180deg	8.9	6.3	12.8	11.4

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																						HT LEN
8.0 EM	X	D	u	d	l	e	y	X	F	a	r	m	s	X									8.0 6.0
	29.7	9.1	7.5	8.1	4.0	6.7	6.5	9.0	6.9	8.1	5.8	10.7	5.0	8.9									87.3

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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGN FABRICATION DETAILS

...\99191\signing\signfabsall.dgn Jun. 20, 2000 14:47:44

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	102	265

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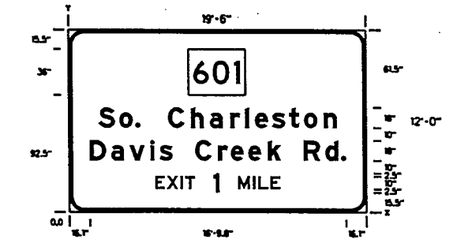
SIGN DETAIL
SCALE 1"=3"



ASSY. NO.	79
SIGN NO.	E1-1a
LxH (AREA)	19.5' X 12'
MARGIN/BORDER/RADIUS	3/12
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WD	HT
WV3	94.5	92.5	45.0	36.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																								HT LEN
101.5 D		6	0	1																					18.0
	98.6	15.5	16.9	4.4	98.6																				36.8
66.5 EM		S	o	.		C	h	a	r	l	e	s	t	o	n										16.0 12.0
	23.1	16.5	12.6	8.2	18.0	18.0	15.0	16.2	11.6	7.9	13.5	13.2	11.6	15.4	10.1	23.1									167.8
40.5 EM		D	a	v	i	s		C	r	e	e	k		R	d	.									16.0
	16.1	16.9	14.6	16.5	7.5	10.1	18.0	18.0	10.2	13.8	15.1	10.1	18.0	16.9	12.2	4.0	16.1								201.8
18.0 E		E	X	I	T	M	I	L	E																10.0
	67.8	9.4	10.7	3.8	41.8	11.8	4.3	9.4	7.3	67.8															98.4
15.5 E		1																							15.0
	114.0	4.4	115.6																						4.4

SIGN DETAIL
SCALE 1"=3"

ASSY. NO.	80
SIGN NO.	A1-1
LxH (AREA)	13.5'X4.0' = 54.0 S.F.
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WD	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																								HT LEN
27.7 EM		T	r	a	c	e		F	o	r	k		B	l	v	d	.								10.7
	11.1	11.0	6.8	10.0	9.2	6.7	12.0	9.2	10.3	7.7	6.7	12.0	12.3	5.0	10.1	8.1	2.7	11.1							139.9
9.7 E		N	E	X	T		L	E	F	T															8.0
	46.2	8.4	7.5	8.0	5.9	12.0	7.5	7.5	7.0	5.9	46.2														69.7

SIGN DETAIL
SCALE 1"=3"

ASSY. NO.	82
SIGN NO.	A1-1
LxH (AREA)	15.5'X4.0' = 62.0 S.F.
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WD	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																								HT LEN
27.7 EM		D	u	d	l	e	y		F	a	r	m	s		L	a	n	e							10.7 8.0
	10.0	12.1	10.0	10.8	5.3	9.0	8.6	12.0	9.2	10.8	7.7	14.3	6.7	12.0	10.0	10.8	10.0	6.7	10.0						166.0
9.7 E		N	E	X	T		L	E	F	T															8.0
	58.2	8.4	7.5	8.0	5.9	12.0	7.5	7.5	7.0	5.9	58.2														69.7

SIGN DETAIL
SCALE 1"=2"

ASSY. NO.	85
SIGN NO.	D1-1
LxH (AREA)	12.0'X2.0' = 24.0 S.F.
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WD	HT
ARSHRT,180deg	9.2	6.3	12.8	11.4

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																								HT LEN
8.0 EM		T	r	a	c	e		F	o	r	k		B	l	v	d	.								8.0
	30.0	8.3	5.1	7.5	6.9	5.0	9.0	6.9	7.7	5.8	5.0	9.0	9.2	3.7	7.6	6.1	2.0	9.2							104.9

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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGN FABRICATION DETAILS

...\99191\signing\signfabsall.dgn Jun. 20, 2000 14:47:49

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	103	265

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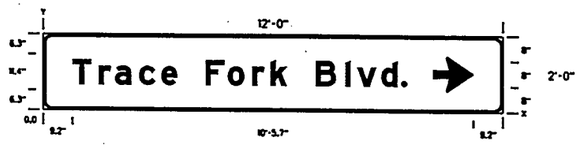
SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	94
SIGN NO.	D1-1
LxH (AREA)	12.0'X2.0' = 24.0 S.F.
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

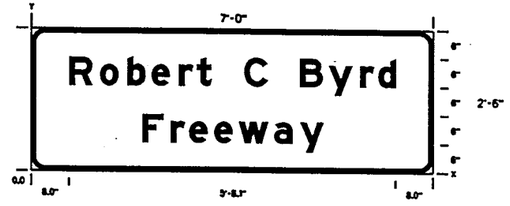
SYMBOL	X	Y	WID	HT
ARSHRT	122.0	6.3	12.8	11.4

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																					HT LEN
8.0 EM		T	r	a	c	e		F	o	r	k		B	l	v	d	.					8.0
	9.2	8.3	5.1	7.5	6.9	5.0	9.0	6.9	7.7	5.8	5.0	9.0	9.2	3.8	7.6	6.1	2.0	30.0				104.9

SIGN DETAIL
SCALE 1:20



ASSY. NO.	96
SIGN NO.	AE5-1
LxH (AREA)	7' X 2.5' = 17.5 S.F.
MARGIN/BORDER/RADIUS	1/3
MATERIAL	FLAT SHEET
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	D.A. HI-INT
	COLOR: WHITE

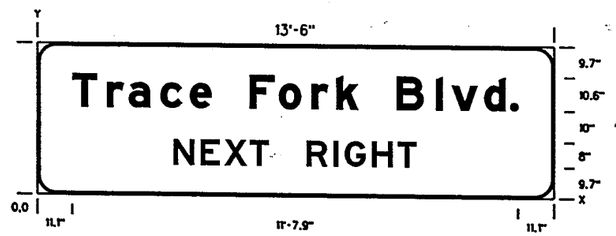
SYMBOL	X	Y	WID	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																											HT LEN
18.0 EM		R	o	b	e	r	t		C		B	y	r	d														6.0 4.5 68.1
	8.0	6.3	5.8	5.1	5.7	3.7	3.0	6.8	4.8	6.8	6.1	6.5	3.8	3.8	8.0													
6.0 EM		F	r	e	e	w	a	y																				6.0 4.5 37.5
	23.2	5.9	3.8	5.2	5.1	7.2	5.5	4.8	23.2																			

SIGN DETAIL
SCALE 1"=2"



ASSY. NO.	97
SIGN NO.	A1-1
LxH (AREA)	13.5'X4.0' = 54.0 SF
MARGIN/BORDER/RADIUS	1/6
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

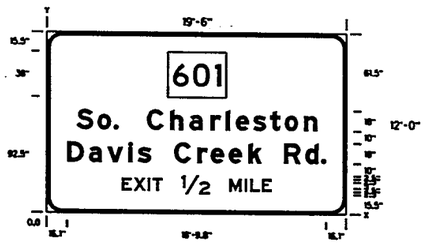
SYMBOL	X	Y	WID	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																											HT LEN
27.7 EM		T	r	a	c	e		F	o	r	k		B	l	v	d	.											10.7
	11.1	11.0	6.8	10.0	9.2	6.7	12.0	9.2	10.3	7.7	6.7	12.0	12.3	5.0	10.1	8.1	2.7	11.1										139.9
9.7 E		N	E	X	T		R	I	G	H	T																	8.0
	43.0	8.4	7.5	8.0	5.9	12.0	8.4	3.4	8.4	8.0	5.9	43.0																76.0

SIGN DETAIL
SCALE 1:75



ASSY. NO.	98
SIGN NO.	E1-1a
LxH (AREA)	19.5' X 12' = 234 S.F.
MARGIN/BORDER/RADIUS	3/12
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT
WV3	94.5	92.5	45.0	36.0

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																											HT LEN
101.5 D		6	0	1																								18.0
	98.6	15.5	16.9	4.4	98.6																							36.8
66.5 EM		S	o	.		C	h	a	r	l	e	s	t	o	n													16.0 12.0 187.8
	23.1	16.5	12.6	8.2	18.0	18.0	15.0	16.2	11.6	7.9	13.5	13.2	11.6	15.4	10.1	23.1												
40.5 EM		D	a	v	i	s		C	r	e	e	k		R	d	.												16.0
	16.1	16.9	14.6	16.5	7.5	10.1	18.0	18.0	10.2	13.8	15.1	10.1	18.0	16.9	12.2	4.0	16.1											201.8
20.5 E		1																										10.0
	105.3	3.0	125.8																									3.0
18.0 E		E	X	I	T	/	M	I	L	E																		10.0
	59.1	9.4	10.7	3.8	25.3	33.9	11.8	4.3	9.4	7.3	59.1																	115.8
15.5 E		2																										10.0
	119.2	8.0	106.9																									8.0

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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGN FABRICATION DETAILS

...\99191\signing\signfabsall.dgn Jun. 20, 2000 14:47:54

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	104	265

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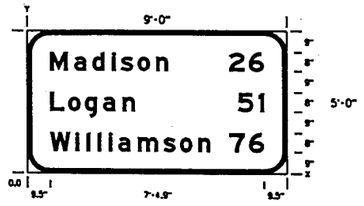
SIGN DETAIL
SCALE 1:40



ASSY. NO.	
SIGN NO.	
LxH (AREA)	
MARGIN/BORDER/RADIUS	2/9
MATERIAL	EX. PANEL
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	DEMT. HI-INT
	COLOR: WHITE

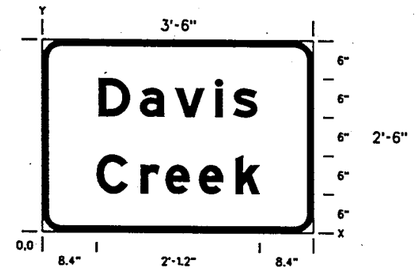
SYMBOL	X	Y	WID	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																					HT LEN
43.0	X	M	a	d	i	s	o	n	2	6	X											8.0
EM	9.5	10.1	7.5	8.1	3.7	6.8	7.7	30.6	8.0	6.4	9.5											88.9
26.0	X	L	o	g	a	n	5	1	X													8.0
EM	9.5	7.5	7.0	7.5	8.1	48.1	8.4	2.4	9.5													88.9
9.0	X	W	i	l	l	i	a	m	s	o	n	7	6	X								8.0
EM	9.5	10.5	4.6	4.6	4.6	4.0	8.1	10.7	6.8	7.7	13.0	8.0	6.4	9.5								88.9

SIGN DETAIL
SCALE 1"=1'



ASSY. NO.	103
SIGN NO.	1-3C
LxH (AREA)	3.5'X2.5' = 8.75 SF
MARGIN/BORDER/RADIUS	1/3
MATERIAL	FLAT SHEET
BACKGROUND	HI-INTENSITY
	COLOR: GREEN
LEGEND/BORDER	D.A. HI-INT
	COLOR: WHITE

SYMBOL	X	Y	WID	HT

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y FONT	LETTER SPACINGS																					HT LEN
18.0	X	D	a	v	i	s	X															6.0
EM	8.7	6.3	5.5	6.2	2.8	3.8	8.7															4.5
																						24.6
6.0	X	C	r	e	e	k	X															6.0
EM	8.4	6.8	3.8	5.2	5.7	3.8	8.4															4.5
																						25.2

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REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SIGN FABRICATION DETAILS

...\99191\signing\signfabsall.dgn Jun. 20, 2000 14:48:03

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	01	U302 -119- 11.70 00		2001	KANAWHA	105	265

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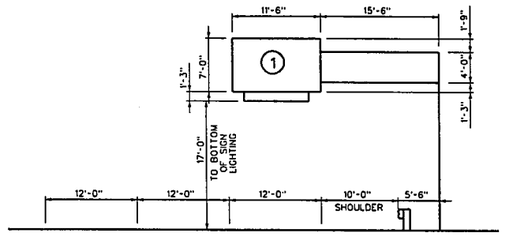
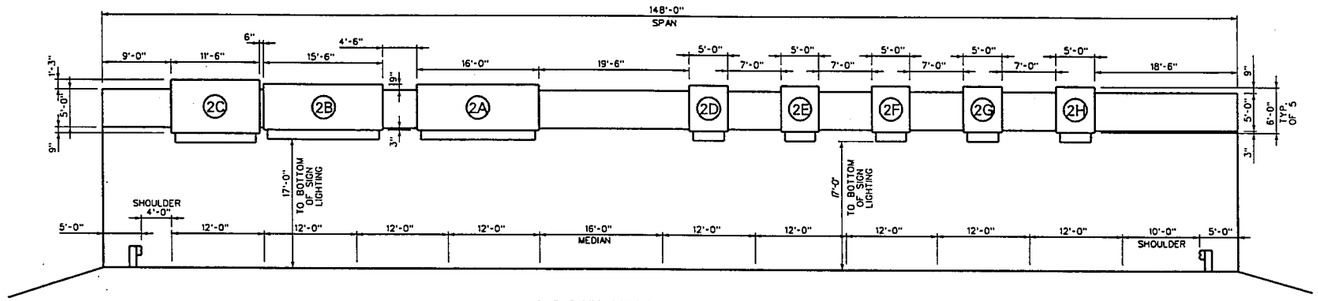


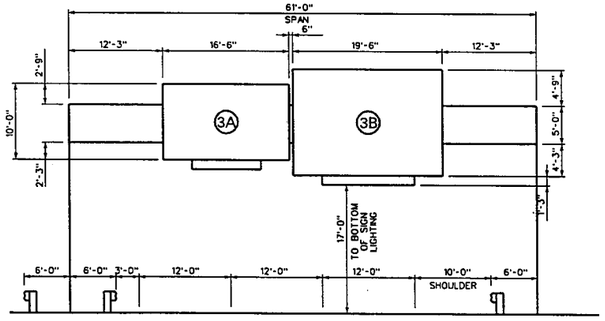
ASSEMBLY NO. 1

SEE TE4-3 DESIGN NO. C-2018-27 (28)
STA. 171+90 LOOKING SOUTH
5.4 CY. CONC.



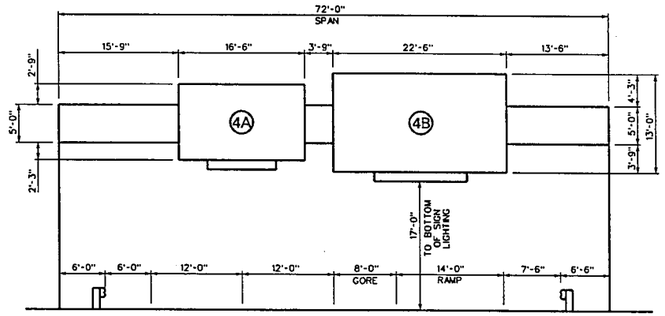
ASSEMBLY NO. 2

SEE TE5-7
STA. 191+50 - LOOKING SOUTH
10.5 CY. CONC.



ASSEMBLY NO. 3

SEE TE5-1 DESIGN NO. 2
STA. 259+50
10.5 CY. CONC.



ASSEMBLY NO. 4

SEE TE5-1 DESIGN NO. 2
STA. 273+20
10.5 CY. CONC.

SCALE : 0 10 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

OVERHEAD SIGN SUPPORTS SCHEMATIC DETAILS

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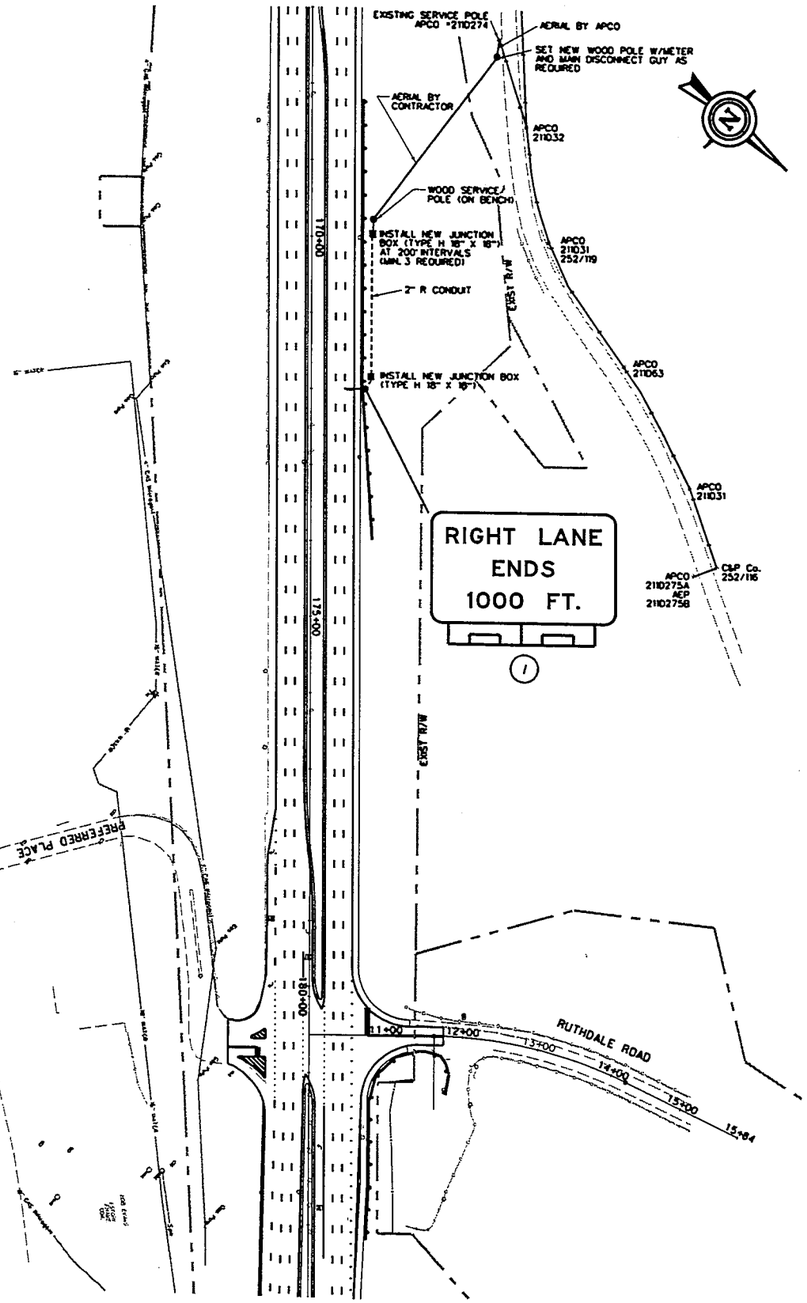
u:\99191\signing\signschm.dgn Jun. 20, 2000 14:50:05

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	106	265

S-19

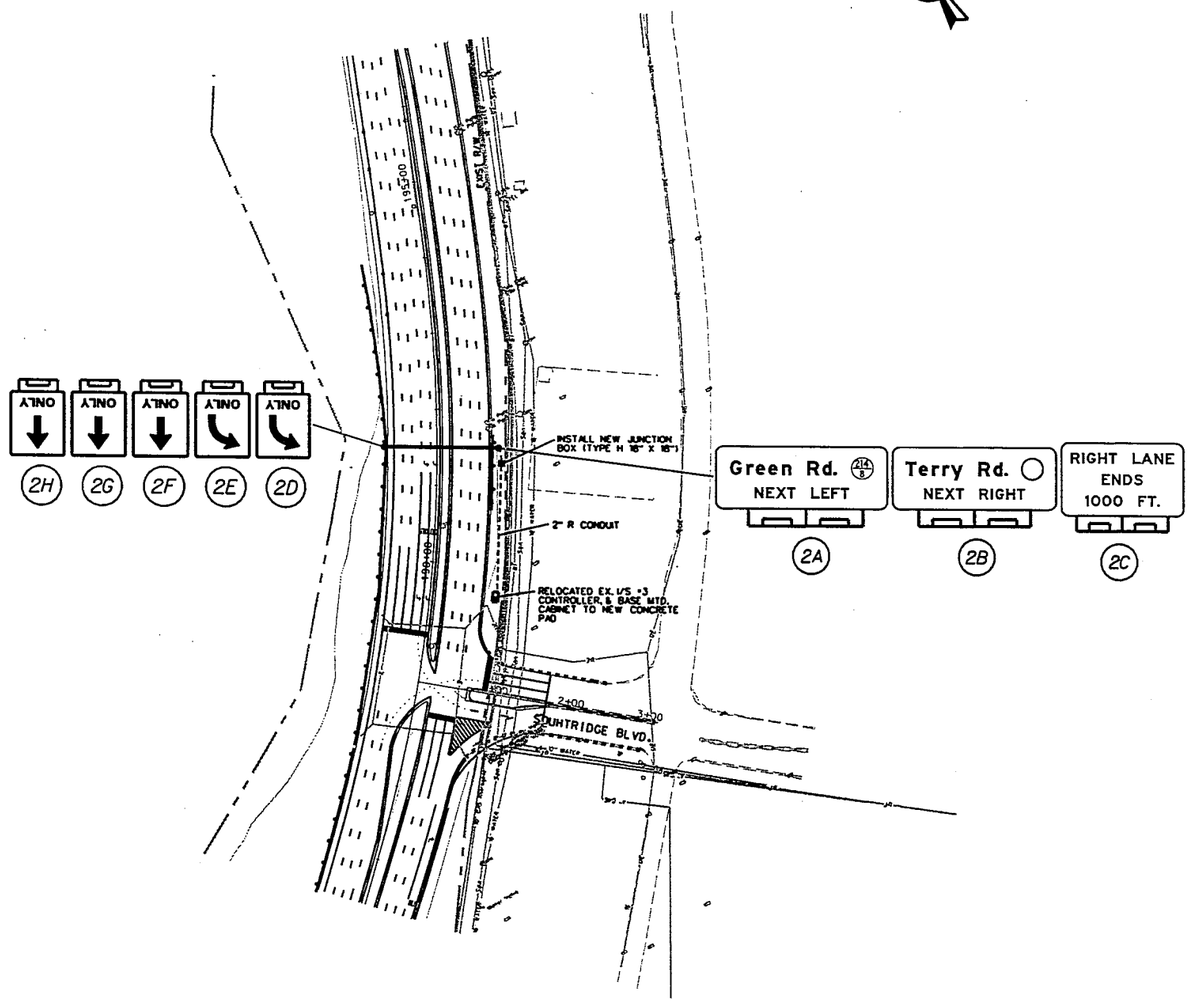


ASSEMBLY NO. 1

SEE TE4-3 DESIGN NO. C-2018-27 (28)
STA. 171+90 LOOKING SOUTH
5.4 CY. CONC.
AEP WORK ORDER REQUEST #029452714

LEGEND

- ⊗ - EXISTING LIGHT POLE
- JB - EXISTING JUNCTION BOX
- ■ - NEW JUNCTION BOX (TYPE H 18" x 18")
- ⊗ - SERVICE POLE



ASSEMBLY NO. 2

SEE TE5-7
STA. 191+50 - LOOKING SOUTH
10.5 CY. CONC.
AEP WORK ORDER REQUEST #027422433

LEGEND

- ⊗ - EXISTING LIGHT POLE
- JB - EXISTING JUNCTION BOX
- ■ - NEW JUNCTION BOX (TYPE H 18" x 18")
- ⊗ - SERVICE POLE

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SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

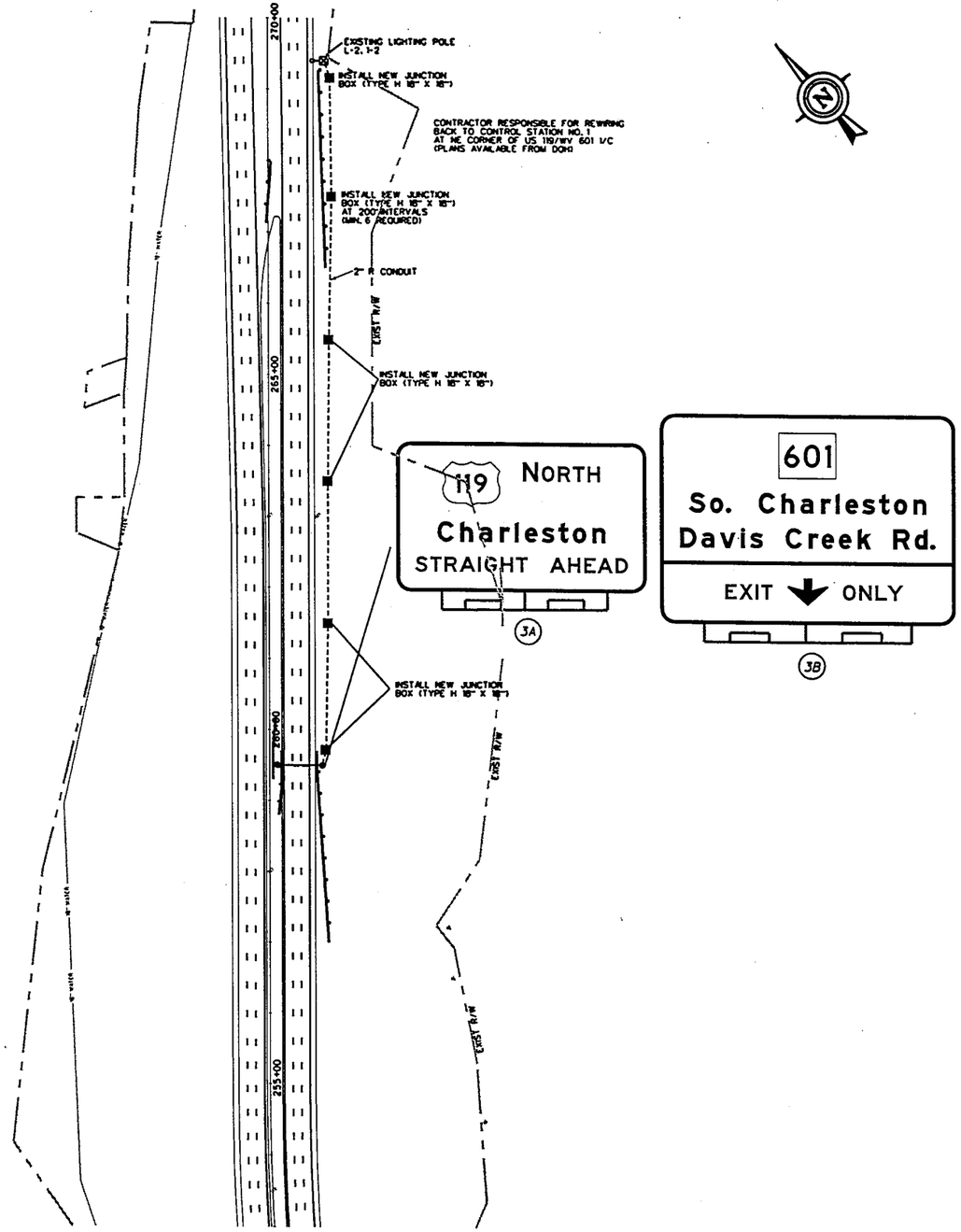
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

OVERHEAD SIGN SUPPORTS LIGHTING DETAILS

...\99191\signing\sign_light1.dgn Jun. 20, 2000 15:48:33

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	107	265

S-20

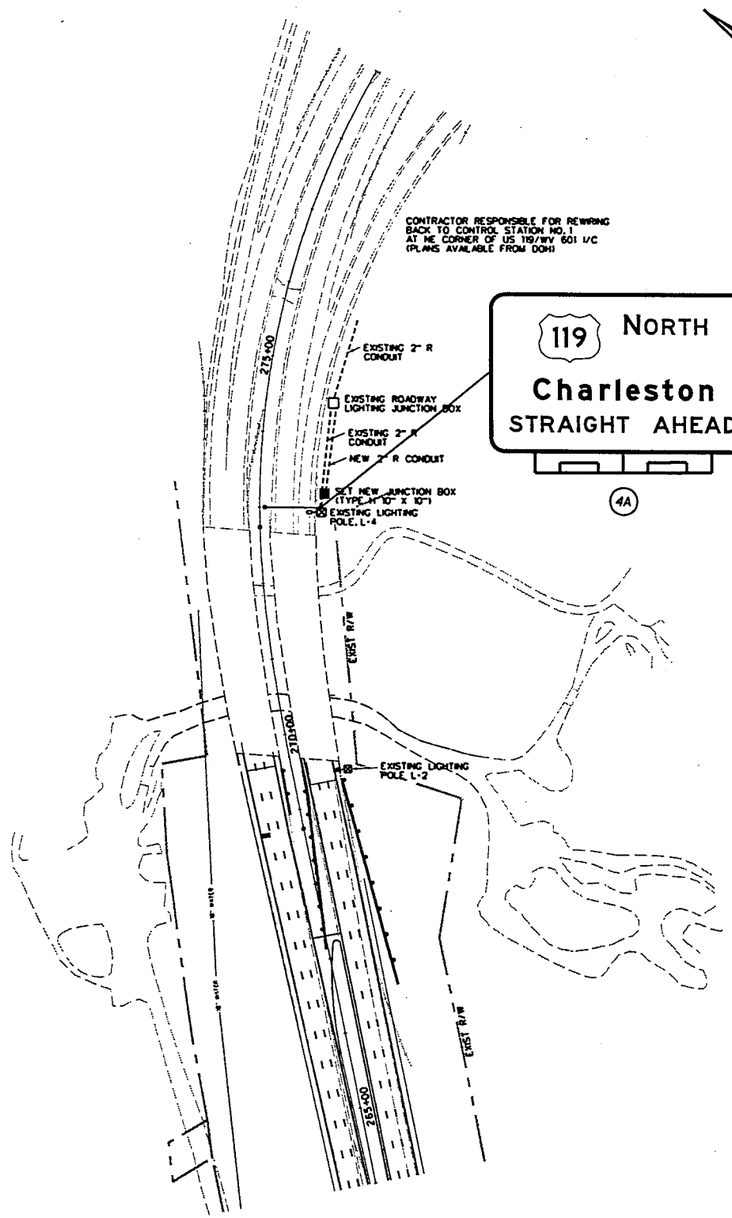


ASSEMBLY NO. 3

SEE TE5-1 DESIGN NO. 2
STA. 259+50
10.5 CY. CONC.
AEP WORK ORDER REQUEST #025789403

LEGEND

- ⊸⊠ - EXISTING LIGHT POLE
- JB☐ - EXISTING JUNCTION BOX
- ■ - NEW JUNCTION BOX (TYPE H 18" x 18")
- ⊗ - SERVICE POLE



ASSEMBLY NO. 4

SEE TE5-1 DESIGN NO. 2
STA. 273+20
10.5 CY. CONC.
AEP WORK ORDER REQUEST #028011902

LEGEND

- ⊸⊠ - EXISTING LIGHT POLE
- JB☐ - EXISTING JUNCTION BOX
- ■ - NEW JUNCTION BOX (TYPE H 18" x 18")
- ⊗ - SERVICE POLE

S-20

SCALE : 0 50 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

OVERHEAD SIGN SUPPORTS SCHEMATIC DETAILS

...\99191\signing\sign_light2.dgn Jun. 28, 2000 14:56:53

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	108	265

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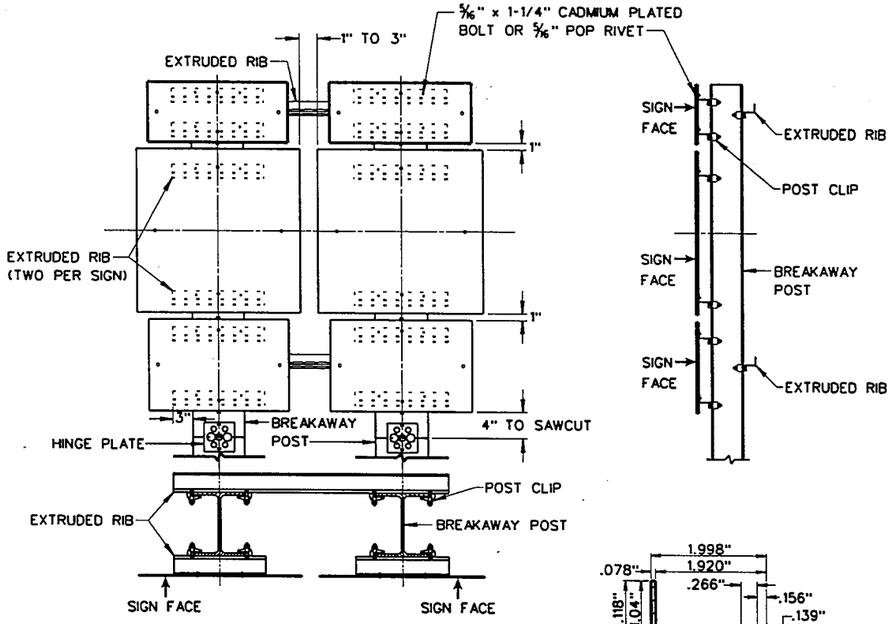
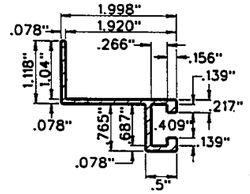
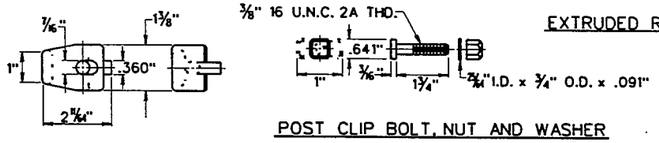


TYPICAL ROUTE MARKER ARRANGEMENT

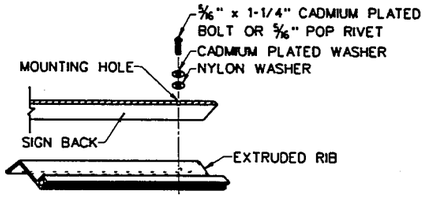


EXTRUDED RIB DETAIL



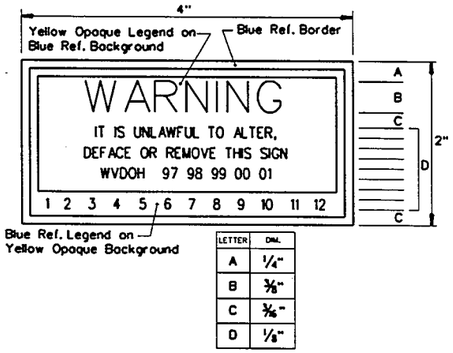
POST CLIP BOLT, NUT AND WASHER

POST CLIP



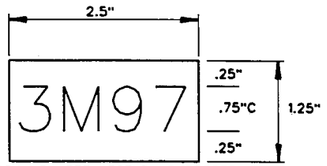
ROUTE MARKER ASSEMBLIES ON BREAKAWAY POSTS

SIGN IDENTIFICATION DECAL

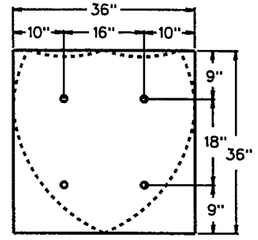


LETTER	DIM.
A	1/4"
B	3/8"
C	5/16"
D	1/8"

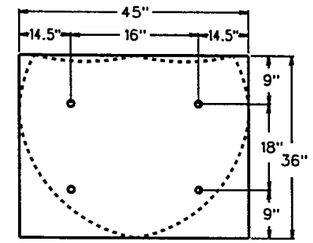
DECALS FOR FLAT SHEET AND EXTRUDED PANEL SIGNS WILL BE PROVIDED BY THE SIGN FABRICATOR. THE YEAR AND MONTH OF INSTALLATION ARE TO BE PUNCHED OUT BY THE CONTRACTOR. SEE SIGNING GENERAL NOTES.



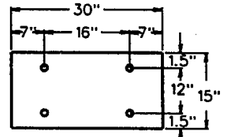
BLACK NON. REF. LEGEND, NO BORDER
WHITE REF. SHEETING BACKGROUND



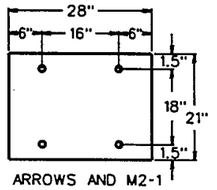
M1-1, M1-4, M1-6, R1-1 AND R5-1



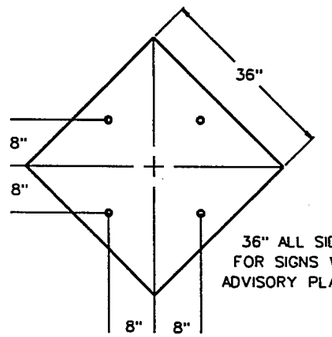
M1-1, M1-4 OR M1-6 (3 DIGITS)



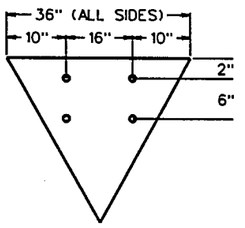
M3-1, M3-2, M3-3, M3-4 AND M4-5

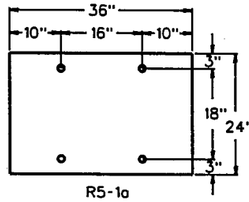


ARROWS AND M2-1



36" ALL SIDES FOR SIGNS WITH ADVISORY PLAQUES





R5-1a

ALL SIGNS SHALL HAVE TWO EXTRUDED RIBS. FOR MOUNTING DETAILS SEE STANDARD DETAIL TP-A, TP1-1 AND TP1-2. ALL HOLES SHALL BE 3/8".

SPECIAL PUNCHING DETAILS

S-21

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SPECIAL DETAILS

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Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	109	265

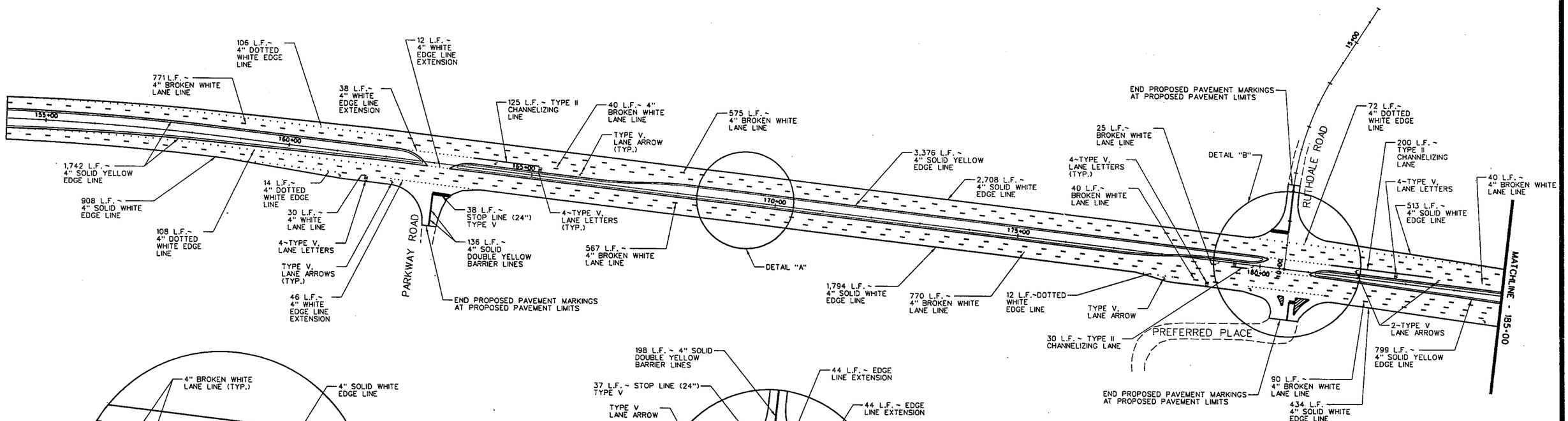
PM-1

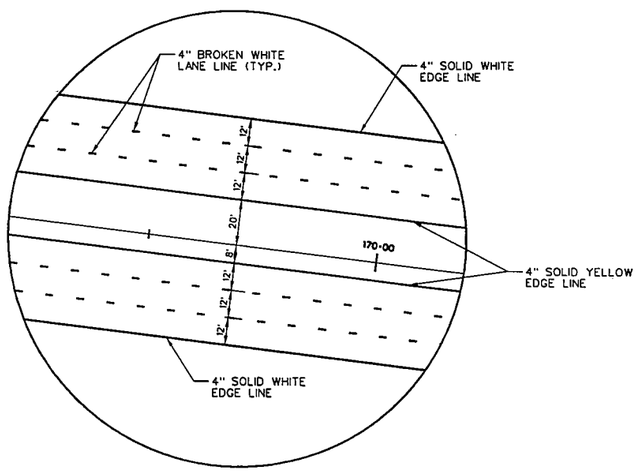
SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	
		UNIT	TOTAL
663001-004	EDGE LINE, TYPE II WHITE	L.F.	7,013
663001-004	EDGE LINE, TYPE II YELLOW	L.F.	5,917
663002-005	LANE LINE OR CENTERLINE, TYPE II WHITE	L.F.	2,948
663003-005	BARRIER LINE, TYPE II	L.F.	410
663004-004	CHANNELIZING LINE, TYPE II	L.F.	515
663005-010	STOP LINE, TYPE V (24")	L.F.	87
663007-004	STRIPE, TYPE II WHITE (12")	L.F.	149
663007-010	STRIPE, TYPE V WHITE (24")	L.F.	N/A
663010-010	LANE ARROW, TYPE V	EA.	11
663011-010	LANE LETTER, TYPE V	EA.	20

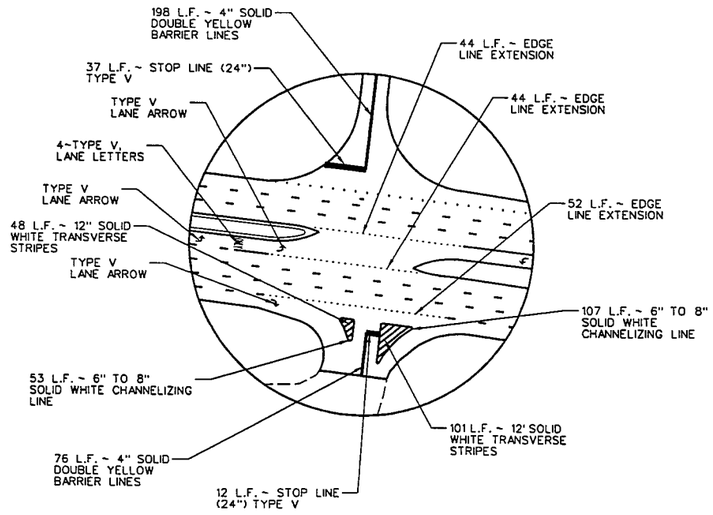
PAVEMENT MARKINGS

1. ITEM 663001-004 EDGE LINE, TYPE II SHALL INCLUDE 4" SOLID WHITE AND YELLOW EDGE LINE ON MAINLINE FREEWAY/EXPRESSWAY AND RAMPS. IT SHALL ALSO INCLUDE 8" SOLID WHITE EDGE LINES, 4" DOTTED WHITE EDGE LINES AND 4" BROKEN WHITE EDGE LINES AT GORE AREAS.
2. ALL 4" SOLID WHITE OR SOLID YELLOW EDGE LINES, LANE LINES, CENTERLINES AND BARRIER LINES SHALL BE TYPE II PAVEMENT MARKING MATERIAL.
3. EDGE LINES SHALL BE CENTERED 6" FROM EDGE OF RAMP PAVEMENT OR LANE AS APPLICABLE.
4. ALL MARKINGS SHALL BE CONTINUOUS AND CONSISTENT WITH EXISTING MARKINGS WHERE THEY JOIN.
5. NO MARKINGS SHALL BE PLACED ON EXPANSION JOINTS ON STRUCTURES OR ON LONGITUDINAL CONSTRUCTION JOINTS UNLESS SO DIRECTED BY THE ENGINEER.





DETAIL "A"



DETAIL "B"

SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN

PM-1

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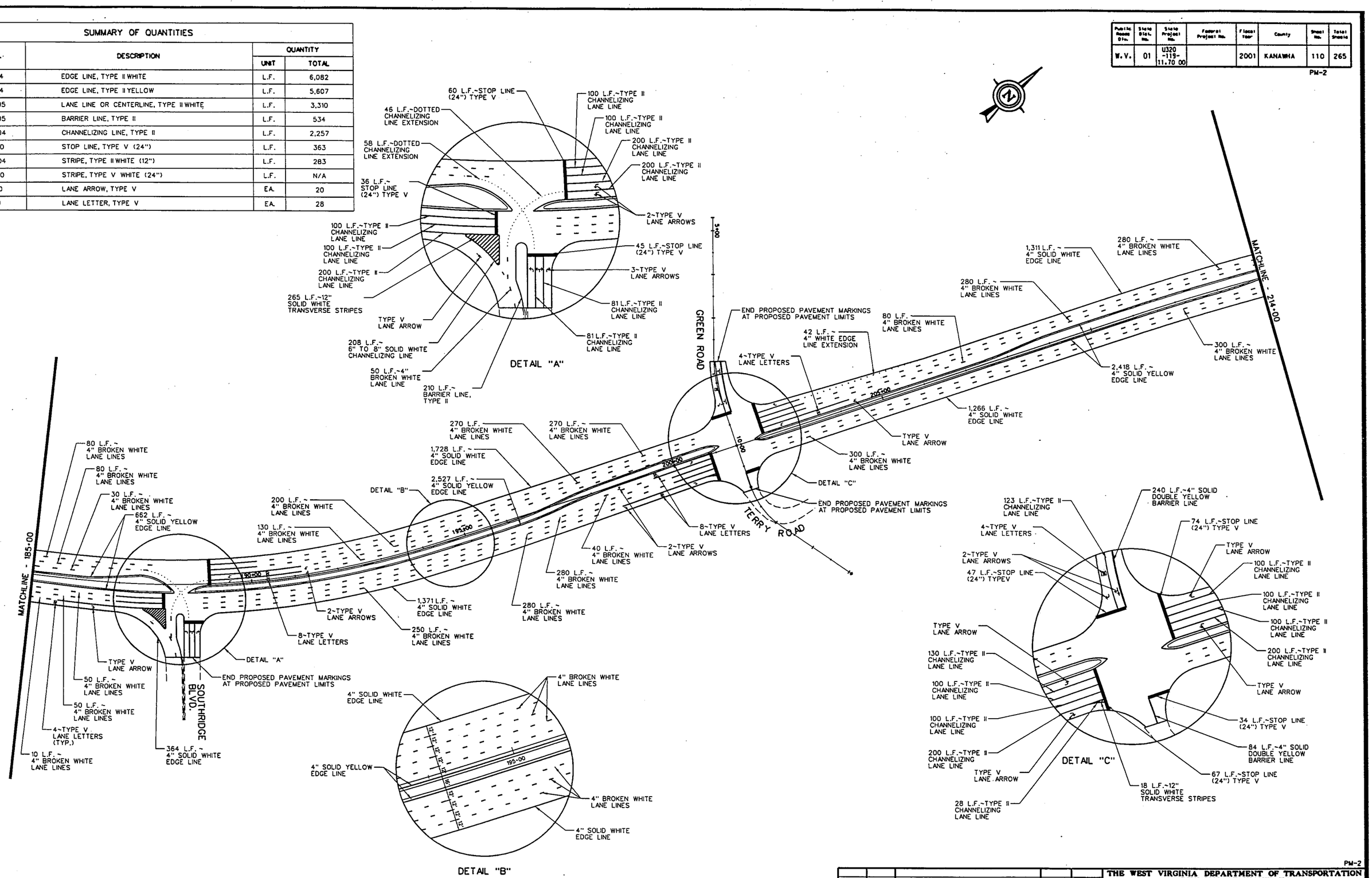
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	110	265

PM-2

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	
		UNIT	TOTAL
663001-004	EDGE LINE, TYPE II WHITE	L.F.	6,082
663001-004	EDGE LINE, TYPE II YELLOW	L.F.	5,607
663002-005	LANE LINE OR CENTERLINE, TYPE II WHITE	L.F.	3,310
663003-005	BARRIER LINE, TYPE II	L.F.	534
663004-004	CHANNELIZING LINE, TYPE II	L.F.	2,257
663005-010	STOP LINE, TYPE V (24")	L.F.	363
663007-004	STRIPE, TYPE II WHITE (12")	L.F.	283
663007-010	STRIPE, TYPE V WHITE (24")	L.F.	N/A
663010-010	LANE ARROW, TYPE V	EA.	20
663011-010	LANE LETTER, TYPE V	EA.	28



PM-2

SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN

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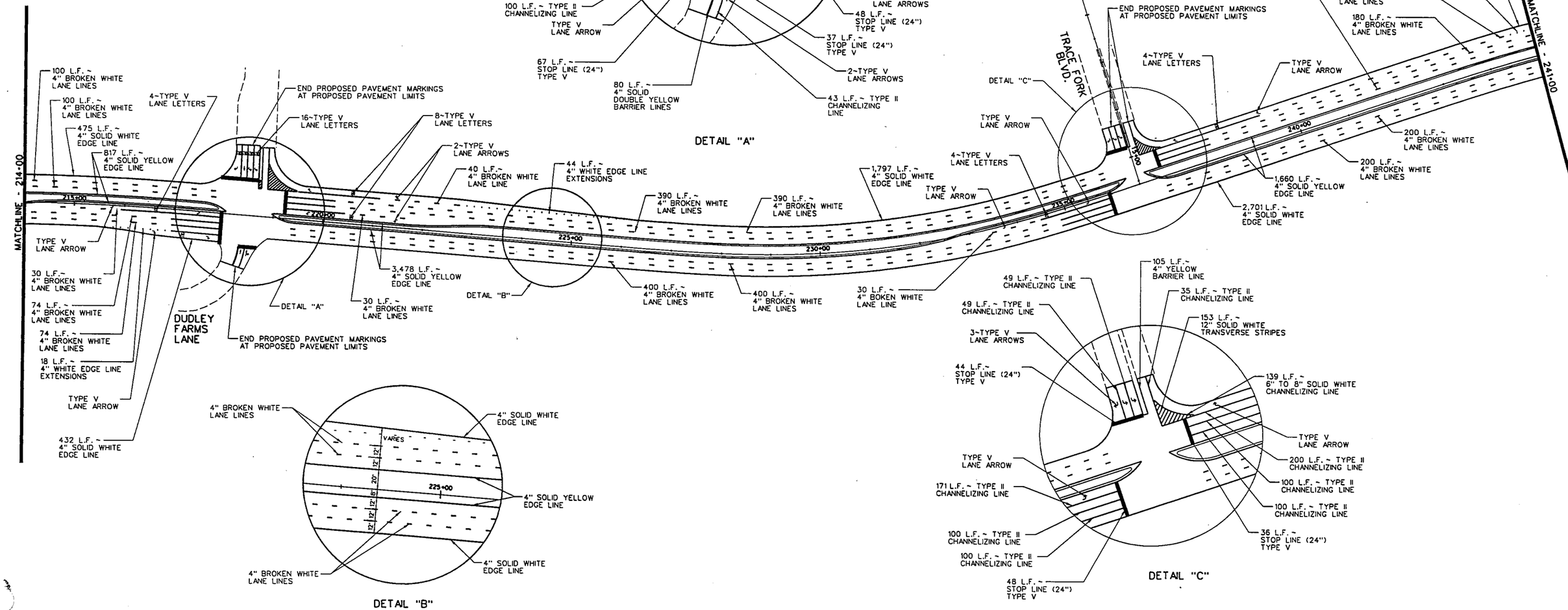
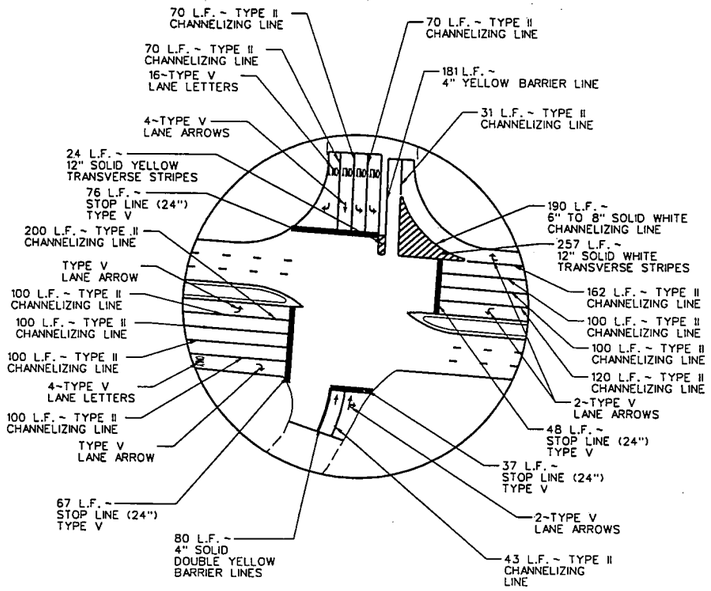
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	111	265

PM-3

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	
		UNIT	TOTAL
663001-004	EDGE LINE, TYPE II WHITE	L.F.	6,328
663001-004	EDGE LINE, TYPE II YELLOW	L.F.	5,955
663002-005	LANE LINE OR CENTERLINE, TYPE II WHITE	L.F.	2,958
663003-005	BARRIER LINE, TYPE II	L.F.	366
663004-004	CHANNELIZING LINE, TYPE II	L.F.	2,599
663005-010	STOP LINE, TYPE V (24")	L.F.	356
663007-004	STRIPE, TYPE II WHITE (12")	L.F.	410
663007-010	STRIPE, TYPE II YELLOW (12")	L.F.	24
663010-010	LANE ARROW, TYPE V	EA.	21
663011-010	LANE LETTER, TYPE V	EA.	40





SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN

PM-3

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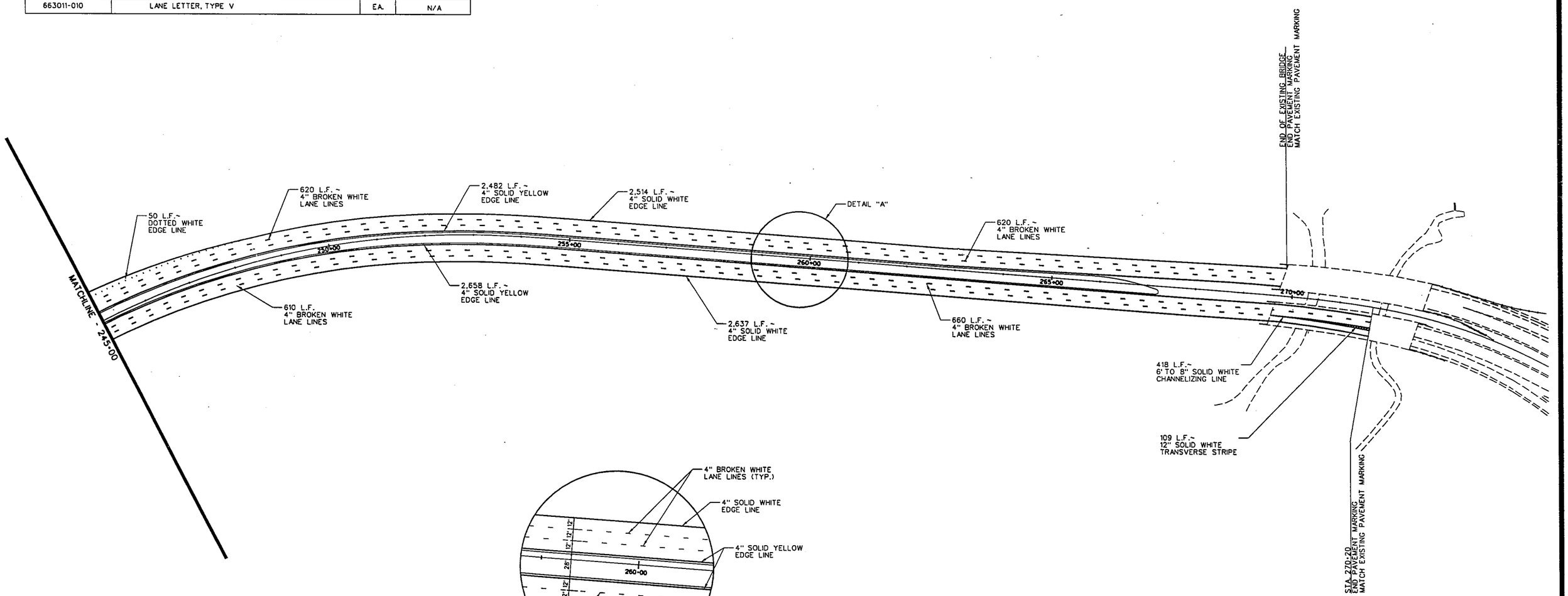
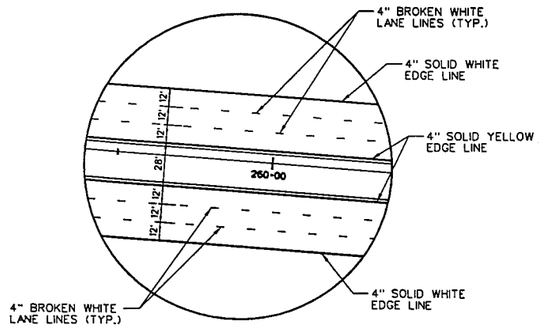
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	112	265

PM-4

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	
		UNIT	TOTAL
663001-004	EDGE LINE, TYPE II WHITE	L.F.	5,201
663001-004	EDGE LINE, TYPE II YELLOW	L.F.	5,140
663002-005	LANE LINE OR CENTERLINE, TYPE II WHITE	L.F.	2,510
663003-005	BARRIER LINE, TYPE II	L.F.	N/A
663004-004	CHANNELIZING LINE, TYPE II	L.F.	418
663005-010	STOP LINE, TYPE V (24")	L.F.	N/A
663007-004	STRIPE, TYPE II WHITE (12")	L.F.	109
663007-010	STRIPE, TYPE V WHITE (24")	L.F.	N/A
663010-010	LANE ARROW, TYPE V	EA.	N/A
663011-010	LANE LETTER, TYPE V	EA.	N/A





DETAIL "A"

PM-4

SCALE : 0 100 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAVEMENT MARKING PLAN

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PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	01	U320 -119- 11.70		2001	KANAWHA	113	265

SG-1

SIGNAL SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY		
		ALT.	UNIT	TOTAL
636023-001	TEMPORARY TRAFFIC SIGNAL 02		LS	1
636023-001	TEMPORARY TRAFFIC SIGNAL 03		LS	1
660001-002	SIGNAL CONTROLLER, INSTALLATION ONLY 01		LS	1
660001-002	SIGNAL CONTROLLER, INSTALLATION ONLY 02		LS	1
660001-002	SIGNAL CONTROLLER, INSTALLATION ONLY 03		LS	1
660001-002	SIGNAL CONTROLLER, INSTALLATION ONLY 04		LS	1
660003-006	SIGNAL SECTION, V-12		EACH	16
660003-007	SIGNAL SECTION, INSTALLATION ONLY, V-12		EACH	120
660004-041	SIGNAL SUPPORT, INSTALLATION ONLY, C1		EACH	7
660005-010	JUNCTION BOX , TYPE H		EACH	24
660005-011	ADJ JUNCTION BOX, TYPE H		EACH	9
660006-001	SIGNAL INTERCONNECT		L.S.	1
660007-001	MISCELLANEOUS SIGNAL 01		L.S.	1
660007-001	MISCELLANEOUS SIGNAL 02		L.S.	1
660007-001	MISCELLANEOUS SIGNAL 03		L.S.	1
660007-001	MISCELLANEOUS SIGNAL 04		L.S.	1
662014-001	INCIDENTAL ELECTRICAL WORK		L.S.	1

DOWNTIME NOTE:

THERE SHALL NOT BE TWO (2) SIGNALS DOWN AT THE SAME TIME. FOR ADDITIONAL DOWNTIME NOTES, SEE WORK DESCRIPTION SHEETS.

THIS IS AN EXISTING, TO BE REUSED, "EAGLE MARC 360 SYSTEM"

US 119 at DUDLEY FARMS BLVD
SIGNAL SYSTEM

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

SIGNAL SUMMARY OF QUANTITIES
CHARLESTON/ SOUTH CHARLESTON
KANAWHA CO.

P:\Highway\921904 US 119\DRAWINGS\Signals\crgsum.dgn 06/28/2000 TRAFFIC ENGINEERING DIVISION

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	01	U320 -119- 11.70		2001	KANAWHA	114	265

SG-2

GOVERNING SPECIFICATIONS

1. THE WEST VIRGINIA DIVISION OF HIGHWAYS SPECIFICATIONS FOR ROADS AND BRIDGES ADOPTED 2000. THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

1A. THE NATIONAL ELECTRICAL CODE, STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS.

2. SIGNAL SYSTEMS

"INSTALLATION OF THIS SIGNAL SYSTEM SHALL ONLY BE CONSIDERED SUBSTANTIALLY COMPLETE WHEN ALL PRESCRIBED SIGNAL SYSTEM FUNCTIONS AND ROADWAY DETECTION SYSTEMS ARE OPERATIONAL".

GENERAL NOTES

3. REPLACEMENT OF ALL CONCRETE AND ASPHALT SHALL BE DONE IN ACCORDANCE TO ORIGINAL DESIGN THICKNESS WHERE IT HAS BEEN DISTURBED OR REMOVED TO INSTALL POLES OR CONDUIT AT THE CONTRACTOR'S EXPENSE.

4. ALL AREAS ON THIS PROJECT WHICH HAVE BEEN SEEDED BY OTHERS AND WHICH ARE DISTURBED BY THE CONTRACTOR IN PERFORMING THE REQUIREMENTS OF THIS CONTRACT SHALL BE REPLACED TO THEIR ORIGINAL CONDITION BY APPROVED SEEDING AND MULCHING METHODS AND MATERIALS AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THIS WORK.

5. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. ANY DAMAGE INCURRED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

6. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE FOLLOWING AGENCIES IN THE CHARLESTON/SO. CHARLESTON AREA:

CITY OF CHARLESTON —— MR. GEORGE ROBSON —— 348-6872
AMERICAN ELECTRIC POWER —— MR. WALLACE BROWN —— 746-2666
BELL ATLANTIC —— MR. JOHN FIX —— 744-7111
CHARLESTON SANITARY BOARD —— MR. DAN HOLLORAN —— 348-8134
WV-AMERICAN WATER —— MR. LOU AIELLO —— 340-2008

7. COLOR CODING OF ELECTRICAL CONDUCTORS BY USE OF PHASE TAPE OR FIELD PAINT IS NOT ACCEPTABLE ON THIS PROJECT. CONDUCTORS MUST BE MANUFACTURER-COLORED, STRIPED OR RIGID-MARKED AS SPECIFIED.

8. ALL RELOCATED METALLIC SIGNAL EQUIPMENT AT THE NEW POLE INSTALLATION INTERSECTIONS SUCH AS POLES CONDUIT AND CABINETS MUST BE DIRECTLY BONDED TOGETHER BY A SPECIAL RUN SINGLE-CONDUCTOR #8 AWG STRANDED COPPER WIRE. THE WIRE MUST BE INSULATED, COLORED CODED GREEN AND CONNECTED AT EACH BONDING POINT BY USE OF SCREW-TYPE COPPER OR BRONZE LUGS. IN ADDTION TO THIS BONDING, CONDUCTOR MUST BE CONNECTED TO ALL GROUND RODS IN THE SIGNAL SYSTEM AND TO THE EQUIPMENT GROUND BAR BUSS IN THE CONTROLLER CABINET.

9. TRAFFIC SIGNAL GROUND ROD CONNECTORS MUST BE ATTACHED AND SECURELY FASTENED BOTH AT FOUNDATION AND INSIDE POLE PRIOR TO ERECTION OF POLE. ENOUGH SLACK IN THE GROUNDING WIRE MUST BE ALLOWED FOR ERECTION OF POLE. BOTH CONNECTIONS MUST AGAIN BE CHECKED AFTER POLE IS INSTALLED.

10. EXCAVATIONS FOR TRAFFIC SIGNAL CONDUIT NOT UNDER ROADWAY OR SHOULDER AREAS, UNDER 12" IN WIDTH AND 30" IN DEPTH, MAY BE BACKFILLED IN LAYERS NOT EXCEEDING 4" AFTER COMPACTION. SPECIFIC DENSITY TESTS WILL NOT BE REQUIRED WHEN ACCEPTED COMPACTION TECHNIQUES ARE USED AND THE BACKFILLED EXCAVATION DENSITY IS COMPARABLE TO THAT OF THE SURROUNDING GROUND.

11. AC - (COMMON), LOGIC GROUND AND CHASSIS GROUND MUST BE ISOLATED IN THE CONTROLLER AND DETECTOR CIRCUITRY AS REQUIRED IN THE NEMA STANDARDS.

12. ALL RELOCATED POLE BASES SHALL BE PROVIDED WITH VARMINT SCREENS.

13. CONDUIT INSTALLATION NOTE

CONDUIT SHALL BE INSTALLED BY APPROVED JACKING OR DRILLING METHODS. PAVEMENT, BRICK OR EXISTING SIDEWALK SHALL NOT BE DISTURBED UNLESS APPROVED BY THE ENGINEER. IN THE EVENT THAT THE SIDEWALK HAS TO OPENED THE ENTIRE SECTION OF SIDEWALK MUST BE REPLACED, JOINT TO JOINT. UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER. BID THIS WORK AS PART OF ITEM 660007-001(●) ● PER INTERSECTION

14. THREADED COUPLINGS TO BE USED TO CONNECT METAL CONDUITS. SET SCREW COUPLINGS, SLIP JOINTS AND CONTINUOUS RUNNING THREADS ARE NOT ACCEPTABLE.

TRAFFIC CONTROLLERS/DETECTORS

1. POWER SERVICE - SEE WORK DESCRIPTION SHEET FOR NOTES.
2. THE CONTRACTOR MAY USE "3-M LOOP DETECTOR SEALANT" AS AN ALTERNATIVE TO WEATHERBAN 101 SEALER AS STATED IN SECTION 660.9.
3. EACH SAMPLING LOOP SHALL HAVE A SEPARATE, DISCRETE WIRE LEAD-IN AND AMPLIFIER. POWER FOR THESE SAMPLING STATIONS SHALL BE SUPPLIED FROM THESE INTERSECTIONS:

SAMPLING STA. NO. 1 - I/S #2
SAMPLING STA. NO. 2 - I/S #2

4. THE CONTRACTOR SHALL AVOID PLACING LOOPS THROUGH JOINTS OR CRACKED AREAS AS MUCH AS POSSIBLE. THE LOOP PLACEMENT AS SHOWN ON THE PLAN SHEET MAY BE ADJUSTED UP TO 5' EITHER WAY TO AVOID THESE AREAS.
5. ALL EXISTING DETECTORS ARE THE CARD-RACK TYPE LPS-C.
6. LOOP NOTE

ALL NEW LOOPS TO HAVE THREE (3) TURNS OF #14 WIRE EXCEPT AS NOTED. TRAFFIC LOOP CABLE FROM ¾" FLEXIBLE CONDUIT ENTRANCE IN PAVEMENT TO THE LOOP WIRE TERMINALS IN JUNCTION BOX/CONDULET SHALL BE TWISTED TOGETHER WITH APPROXIMATELY FIVE (5) TURNS PER FOOT. THE LOOP LEAD-IN CABLE FROM THE LOOP WIRE TERMINAL IN JUNCTION BOX/CONDULET TO THE DETECTOR TERMINALS SHALL HAVE TWO (2) TURNS PER FOOT.

7. DETECTOR FEEDER CABLE

LOOP LEAD-IN WIRE FROM THE LOOP CONDUCTOR TO THE DETECTOR TERMINAL STRIP SHALL BE STRANDED TWO (2) CONDUCTOR, SHEILDED, 14 AWG MEETING IMSA SPECIFICATIONS 50-2.

8. LOOP WIRE

ALL NEW LOOP WIRE (IN PAVEMENT) SHALL BE STRANDED #14AWG THHN SINGLE CONDUCTOR.

9. ALL LOOPS TO BE PROPERLY ATTACHED TO ITS APPROPRIATE EXISTING DETECTOR.

LUMINAIRE WORK ON SIGNAL POLES

ALL EXISTING LUMINAIRES IN THIS PROJECT SHALL BE REWIRED AS NECESSARY TO MAKE FUNCTION PROPERLY. ALL EXISTING LUMINAIRES HAVE INTEGRAL PHOTO-CELLS.

THE 220-VOLT LUMINAIRE CIRCUIT SHALL BE PROTECTED BY A SEPARATE BREAKER PROVIDED IN THE SIGNAL POWER SERVICE ENCLOSURE. LUMINAIRE WIRING SHALL BE SUNLIGHT-RESISTANT, THREE CONDUCTOR #12 ISMA CABLE AND SHALL RUN CONTINUOUSLY WITH NO SPLICING OR IN-LINE FUSING. LUMINAIRE WIRING SHALL BE TAGGED AT ALL ACCESS POINTS.

BID AS PART OF ITEM 662014-001

COORDINATION NOTE - USE CAUTION

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SIGNAL WORK WITH THE ROADWAY WORK IN THE AREA OF SIGNAL INSTALLATION.
2. ALL LOOPS ARE TO BE INSTALLED INTO THE FINAL PAVEMENT AND ALL POLE FOUNDATIONS TO BE BUILT AT THE FINAL GRADE.

UTILITY NOTE

THE CONTRACTOR MUST NOTIFY ALL APPLICABLE UTILITIES PRIOR TO ANY EXCAVATION FOR EXACT LOCATION OF THEIR UNDERGROUND FACILITIES. EXTREME CAUTION SHALL BE USED IN THESE AREAS ESPECIALLY IN EXCAVATING FOR FOUNDATIONS AND THE JACKING OF CONDUIT. IF NECESSARY THE CONTRACTOR SHALL HAND DIG TO LOCATE LINES OR SHALL OPEN CUT IN AREAS OF POSSIBLE CONFLICT. THESE AREAS TO BE DETERMINED BY THE PROJECT ENGINEER. CONTACT "MISS UTILITY" PRIOR TO ANY EXCAVATING.

SIGNAL POLES

1. POLE LOCATIONS ON THE PLAN SHEETS MAY BE ALTERED ONLY WITH THE APPROVAL OF THE WEST VIRGINIA DIVISION OF HIGHWAYS, TRAFFIC ENGINEERING DIVISION.
2. ALL NEW POLE LOCATION DIMENSIONS ARE TO THE CENTER OF POLE FOUNDATION.
3. FOUNDATION SIZES FOR NEW POLES SHALL BE IN ACCORDANCE WITH WEST VIRGINIA DIVISION OF HIGHWAYS STANDARD TES-40.
4. ALL ANCHOR BOLTS TO BE SUPPLIED BY THE CONTRACTOR.
5. SIGNAL POLE FOUNDATIONS P11 & P12 (I/S #3) SHALL BE AN ADDITIONAL 1'-6" BELOW GROUND. THE TOP OF THE FOUNDATION FOR POLES P11 & P12 SHALL BE FLUSH WITH THE EXISTING SHOULDER AT BACK OF GUARDRAIL. REBARS TO BE EXTENDED WITH THESE ADDITIONS.

NEW SIGNAL HEADS

1. ALL NEW SIGNAL HEADS FOR THIS PROJECT SHALL HAVE CUTAWAY VISORS AND GLASS LENS (UNLESS OTHERWISE NOTED). ALL NEW SIGNAL HEADS IN THIS PROJECT SHALL BE NON-METALLIC. RATED LIFE FOR ALL SIGNAL HEAD LAMPS IS 8,000 HRS.

2A. ALL NEW RED BALL AND GREEN ARROW 12 INCH SIGNAL SECTIONS SHALL UTILIZE LIGHT EMITTING DIODE (L.E.D.) SIGNAL MODULES AT 120 VAC. ALL UNITS SHALL NOT UTILIZE MORE THAN 22 WATTS POWER CONSUMPTION.

B. THESE L.E.D. MODULES SHALL MEET THE WVDOH SPECFICATIONS AND SHALL RETROFIT CURRENT NEMA TS-1 SIGNAL HEAD HOUSINGS.

C. ALL L.E.D. TRAFFIC SIGNAL MODULES SHALL BE BID INCIDENTAL TO ITEM 660003-006(V-12).

D. ALL TRAFFIC SIGNAL MODULES SHALL CONFORM TO THE WVDOH SPECIFICATION (SEE PROPOSAL) CONCERNING L.E.D. SIGNAL MODULES.

E. ALL NEW YELLOW BALLS AND GREEN BALLS SHALL NOT BE THE L.E.D. TYPE.

F. THE APPROVED MANUFACTURER LIST IS AS FOLLOWS:

LED Module APL	Module	Model*
1. *Precision Solar Controls, Inc.*	12" Red LED	1877
2916 Market Street	12" Yellow Arrow LED	1652
Garland, Texas 75041	12" Green Arrow LED	1654
2. *Ecolux, Inc.*	12" Red LED	D12RA7*
	12" Yellow Arrow LED	D12YA7*
	12" Green Arrow LED	D12GA7*

3. REPLACEMENT OF ALL EXISTING RED BALLS AND GREEN ARROWS WITH NEW LED MODULES

ALL EXISTING RED BALLS, AND GREEN ARROWS WITHIN THIS PROJECT SHALL HAVE NEW LED MODULES INSTALLED WITHIN THE EXISTING HOUSINGS. BID AS PART OF ITEM 660003-007 (V-12).
THESE ARE AS FOLLOWS:

	RED BALLS	GREEN ARROWS
I/S NO. 1	12	5
I/S NO. 2	10	2
I/S NO. 3	10	4
I/S NO. 4	9	3

4. INSTALLATION/REPLACEMENT OF LOUVERED BACKPLATES

ALL EXISTING US 119 HEADS SHALL HAVE NEW BLACK ALUMINUM, LOUVERED BACKPLATES INSTALLED ON THEM. EXISTING BACKPLATES AT I/S NO. 3 SHALL BE REMOVED AND DISCARDED. BID INCIDENTAL TO ITEM 660003-007(V-12).
THESE ARE AS FOLLOWS:

	HEAD NO.
I/S NO. 1	1, 2, 3, 4, 5, 6
I/S NO. 2	1, 2, 3, 4, 5, 6
I/S NO. 3	1, 2, 3, 4, 6, 7
I/S NO. 4	1, 2, 3, 5, 6

SIGNAL REMOVAL

ALL EXISTING SIGNAL EQUIPMENT WHICH IS TO BE REMOVED AND NOT REUSED (eg. NOTED MESSENGER CABLE, NOTED CONDUCTOR CABLE), SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.

POLES DESIGNATED FOR REMOVAL SHALL HAVE THEIR FOUNDATIONS REMOVED, A MINIMUM OF 12" BELOW GROUND. THESE AREAS SHALL BE REPLACED WITH MATERIAL TO MATCH THE EXISTING SURROUNDING MATERIAL. BID AS PART OF ITEM 660007-001(●). ● - PER INTERSECTION.

EXISTING SIGNAL EQUIPMENT

THE CONTRACTOR SHALL USE CAUTION NOT TO DAMAGE ANY EXISTING TO BE REUSED SIGNAL EQUIPMENT. IF DAMAGED, IT SHALL BE REPLACED AT CONTRACTORS EXPENSE.

US 119 at DUDLEY FARMS BLVD. SIGNAL SYSTEM

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

General Note Sheet
Charleston/So. Charleston, Kanawha Co.

p:\Highway\921804 US 119\DRAWINGS\Signals\corg.not 06/13/2000 TRAFFIC ENGINEERING DIVISION

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	01	U320 -119- 11.70		2001	KANAWHA	115	265

SG-3

US 119 at DUDLEY FARMS BLVD - I/S NO. 1
ESTIMATE OF QUANTITIES

LIST	QUANTITY	DESCRIPTION
1	5	JUNCTION BOXES (TYPE H)
2	AS NEEDED	MISCELLANEOUS HARDWARE & ITEMS
3	AS NEEDED	CONDUIT, CONDUCTOR CABLE & MESSENGER CABLE
4	AS NEEDED	SAWSLOT, FILLER & LOOP WIRE
5	2	ONE-WAY 3 SECTION 12" R.Y.G.: PM - HEADS NO. 7 & 8
6	2	R10-5L SIGN (24" x 24") 0.080 IN. FLAT SHEET ALUMINUM & SPAN WIRE NUTS. HOWE. BID AS PART OF ITEM 660007-001(01)
7	19	LED MODULES - (INCLUDES NEW HEADS NO. 7 & 8)
8	6	BACKPLATES
9	4	ANCHOR BOLTS (2" X 90")
10	1	FOUNDATION

US 119 at GREEN RD/ TERRY RD - I/S NO. 2
ESTIMATE OF QUANTITIES

LIST	QUANTITY	DESCRIPTION
1	8	ANCHOR BOLTS (2" x 90")
2	2	FOUNDATION
3	8	JUNCTION BOXES (TYPE H)
4	AS NEEDED	MISCELLANEOUS HARDWARE & ITEMS
5	AS NEEDED	CONDUIT, CONDUCTOR CABLE & MESSENGER CABLE
6	AS NEEDED	SAWSLOT, FILLER & LOOP WIRE
7	2	ONE-WAY 3 SECTION 12" R. Y. G. : PM
8	2	R10-5L SIGN (24" X 24") .080 FLAT SHEET ALUM. AND SPAN WIRE MTG. HOWE. BID AS PART OF ITEM 660007-001(02)
9	14	LED MODULES - (INCLUDES NEW HEADS NO. 11 & 12)
10	6	BACKPLATES

US 119 at SOUTHRIDGE BLVD - I/S NO. 3
ESTIMATE OF QUANTITIES

LIST	QUANTITY	DESCRIPTION
1	1	CONCRETE BASE FOR CABINET
2	AS NEEDED	MISCELLANEOUS HARDWARE & ITEMS
3	AS NEEDED	CONDUIT, CONDUCTOR CABLE, MESSENGER CABLE
4	AS NEEDED	SAWSLOT, FILLER AND LOOP WIRE
5	16	ANCHOR BOLTS (2" x 90")
6	4	FOUNDATIONS
7	7	JUNCTION BOXES, TYPE 'H'
8	1	R10-5L SIGN (24" X 24") .080 FLAT SHEET ALUM. AND SPAN WIRE MTG. HOWE. BID AS PART OF ITEM 660007-001(03)
9	14	LED MODULES
10	6	BACKPLATES
11	1	ONE-WAY 4 SECTION 12"R, Y, G, G ⟶ : PM

US 119 at TRACE FORK BLVD - I/S NO. 4
ESTIMATE OF QUANTITIES

LIST	QUANTITY	DESCRIPTION
1	4	JUNCTION BOXES (TYPE H)
2	AS NEEDED	MISCELLANEOUS HARDWARE & ITEMS
3	AS NEEDED	CONDUIT, CONDUCTOR CABLE
4	AS NEEDED	SAWSLOT, FILLER & LOOP WIRE
5	1	R10-5L SIGN (24" x 24") 0.080 IN. FLAT SHEET ALUMINUM & SPAN WIRE NUTS. HOWE. BID AS PART OF ITEM 660007-001(04)
6	12	LED MODULES
7	5	BACKPLATES

US 119 at Dudley Forms Blvd. Signal System

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

ESTIMATE OF QUANTITIES
CHARLESTON/ SOUTH CHARLESTON
KANAWHA COUNTY

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U302 -119- 11.70 00		2001	KANAWHA	116	265

TEMPORARY TRAFFIC SIGNALS (I/S #2 & I/S #3) (WITH EXISTING SIGNALS) (SEE TEMPORARY SIGNAL LAYOUT)

ALSO SEE SHEETS SG-8 and SG-9

1. ALL TEMPORARY TRAFFIC SIGNALS SHALL COMPLY WITH THE APPLICABLE DOH STANDARD SPECIFICATIONS (SECTION 660 AND SUBSECTION 715.42) AND THE APPLICABLE DOH STANDARDS (TES SERIES).

2. INSTALLATION, MODIFICATION, MAINTENANCE AND SUBSEQUENT REMOVAL FOR ANY PART OF ALL TEMPORARY TRAFFIC SIGNALS, TO INCLUDE TOOLS, EQUIPMENT, SUPPLIES, LABOR AND INCIDENTALS TO COMPLETE THE WORK, SHALL BE BID AS PART OF ITEM 636023-001(*). "TEMPORARY TRAFFIC SIGNAL" PER LUMP SUM. *- PER INTERSECTION

TEMPORARY TRAFFIC SIGNAL MAINTENANCE (I/S #2 & I/S #3) (WITH EXISTING SIGNALS)

BID AS PART OF ITEM 636023-001(*)
*- PER INTERSECTION

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING (OR MODIFIED) TRAFFIC SIGNAL SYSTEM IN PLACE FOR THIS PROJECT. THIS RESPONSIBILITY SHALL BEGIN WITH THE INTIALIZATION OF THE WORK AND CONTINUE FOR THE LIFE OF THE CONTRACT. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO REPAIR OF ACTS VANDALISM AS WELL AS NORMAL WEAR AND BURN OUT. ITEMS TO BE MAINTAINED AND/OR REPAIRED SHALL INCLUDE CONTROLLER, CABINETS, DETECTORS, SIGNAL HEADS, SUPPORT POSTS AND ANY OTHER EQUIPMENT OR MISCELLANEOUS ITEMS IN PLACE FOR THIS SIGNAL INSTALLATION. POWER COSTS WILL NOT BE TRANSFERRED TO THE CONTRACTOR UNLESS SO STATED IN THE PLANS.

2. QUESTIONS AS TO THE GENERAL CONDITION, TYPE, AND MANUFACTURER OF ALL SIGNAL EQUIPMENT MUST BE REFERRED TO THE DIVISION OF HIGHWAYS PRIOR TO BIDDING THIS CONTRACT. PRE-BID INSPECTION OF THE SIGNALS IS RECOMMENDED.

3. THE CONTROL EQUIPMENT, SIGNAL HEADS, AND WIRING SHALL NOT BE CHANGED OR MODIFIED WITHOUT THE APPROVAL OF THE DIVISION OF HIGHWAYS. SIGNAL TIMING INFORMATION WILL BE FURNISHED BY THE DIVISION OF HIGHWAYS AND NOT TO BE CHANGED OR MODIFIED BY THE CONTRACTOR WITHOUT APPROVAL OF THE DIVISION OF HIGHWAYS.

4. IF, DUE TO EQUIPMENT FAILURES OR OTHER REASONS, THE SIGNAL MUST BE PUT ON FLASH OR SHUT DOWN, THE CONTRACTOR IS REQUIRED TO FURNISH OR COMPENSATE THE FLAGGERS OR LAW ENFORCEMENT OFFICERS REQUIRED TO CONTROL TRAFFIC. IF THE TRAFFIC CONTROL IS DONE BY CONTRACTOR PERSONNEL AND IS IN LINE WITH THEIR NORMAL WORKING DUTIES, NO COMPENSATION MAY BE REQUIRED. IN NO CASE SHALL THE SIGNAL SYSTEM BE DOWN FOR MORE THAN 24 HOURS, UNLESS APPROVED BY THE ENGINEER OR OTHERWISE STATED IN THE PLANS.

5. WHEN THE CONTRACTOR NO LONGER HAS NEED OF THE TEMPORARY TRAFFIC SIGNAL FOR THE COMPLETION OF HIS WORK, THE SIGNAL EQUIPMENT NO LONGER NECESSARY MUST BE REMOVED AND RETURNED TO THE DIVISION OF HIGHWAYS AS SPECIFIED. THE EQUIPMENT MUST BE CERTIFIED BY THE DIVISION OF HIGHWAYS AS BEING IN GOOD WORKING CONDITION.

6. TEMPORARY MODIFICATIONS TO THE TRAFFIC SIGNAL SYSTEM, IF REQUIRED, ARE THE RESPONSIBILITY OF THE CONTRACTOR. RETURN OF THE SIGNAL SYSTEM TO ITS PRE/PROJECT OR PRE/POST PROJECT CONDITION IS ALSO THE RESPONSIBILTY OF THE CONTRACTOR.

INTERCONNECT NOTES

(THIS IS AN EXISTING EAGLE MARC 360 SYSTEM)

1. THIS IS AN EXISTING "SPREAD SPECTRUM RADIO SYSTEM". EXISTING ANTENNAS ARE LOCATED ON POLES P4 (I/S #1), P5 (I/S #2-Master), P9 (I/S #3) AND P13 (I/S #4). THE ANTENNA ON POLE P9 SHALL BE RELOCATED WITH POLE AND REWIRED AS NECESSARY, THE OTHERS (3) SHALL REMAIN AS IS. THE EXISTING MASTER CONTROLLER IS LOCATED AT INTERSECTION NO. 2 (GREEN/TERRY RD.) ALL FOUR (4) LOCAL CONTROLLERS SHALL BE RESPONSIVE TO THIS AREA MASTER SIGNAL CONTROLLER BY COMMUNICATING THRU THE SPREAD SPECTRUM RADIO INTERCONNECT.

2. THERE IS AN EXISTING PHONE LINE AT THE MASTER CONTROLLER AND IT SHALL REMAIN AS IS AND CONTINUE TO FUNCTION PROPERLY.

3. BID ALL INTERCONNECT WORK INCLUDING SAMPLING STATION LOOP INSTALLATION AND ALL NECESSARY MASTER CONTROLLER WORK AS ITEM 660006-001.

4. SAMPLING STATION LOOPS (2) SHALL BE INSTALLED AT LOCATIONS SHOWN IN THESE PLANS. ALSO SEE NOTE 3 UNDER "TRAFFIC CONTROLLERS" ON SHEET SG-2. CONTRACTOR SHALL PROVIDE POWER FOR THESE SAMPLING STA. LOOPS (2) AND ALSO INSTALL DETECTOR FEEDER CABLE TO THE APPROPRIATE JUNCTION BOX FOR HOOK-UP. ALSO DETECTORS (TYPE LPS-C) AT I/S NO. 2 SHALL BE DESIGNATED FOR THESE LOOPS. EACH LANE SHALL HAVE ITS OWN SEPARATE INPUT.
   SAMPLING STA. NO. 1 SHALL HAVE THREE INPUTS.
   SAMPLING STA. NO. 2 SHALL HAVE THREE INPUTS.

5. CONTRACTOR IS RESPONSIBLE FOR THE PROPER OPERATION OF THIS INTERCONNECTED "SPREAD SPECTRUM RADIO SYSTEM".

INTERCONNECT ESTIMATE OF QUANTITIES (INCLUDES SAMPLING STA. WORK)

LIST	QUANTITY	DESCRIPTION	BID ITEM
1	AS NEEDED	CONDUCTOR CABLE	660006-001 (01)
2	AS NEEDED	CONDUIT	660006-001 (01)
3	AS NEEDED	MISC. HARDWARE & ITEM	660006-001 (01)
4	1	JUNCTION BOX, TYPE 'H'	660005-010
5	AS NEEDED	SAWSLOT, FILLER, LOOP WIRE	660006-001 (01)

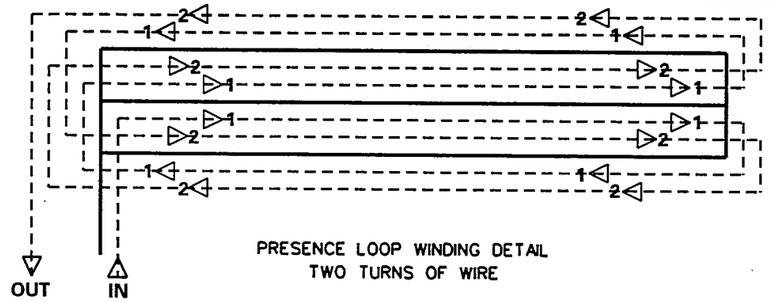
US 119 at DUDLEY FARMS BLVD.
SIGNAL SYSTEM

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
Temporary Signal, Interconnect & Spread Spectrum Radio System Notes
Charleston/So. Charleston, Kanawha Co.

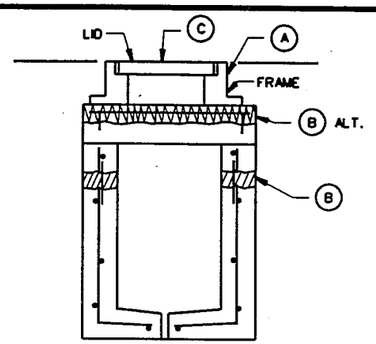
Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	117	265

SG-5



PRESENCE LOOP WINDING DETAIL
TWO TURNS OF WIRE

DETAIL 'A'
QUADRUPOLE CONFIGURATION



A. REMOVE THE TOP (FRAME AND LID) OF THE EXISTING CONCRETE JUNCTION BOX. CARE SHOULD BE TAKEN NOT TO DAMAGE THE COVER AND FRAME.

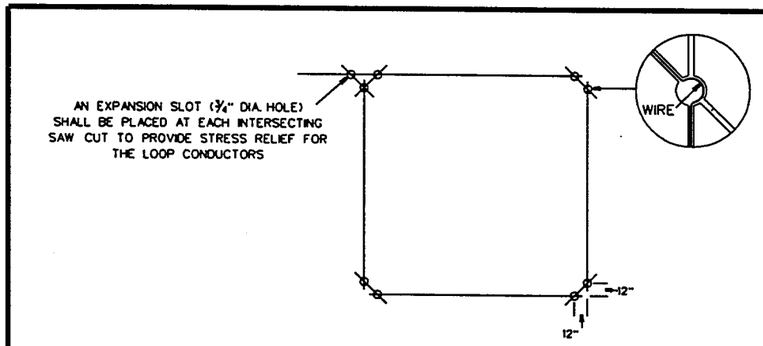
B. ADJUST THE ENTIRE JUNCTION BOX TO A NEW ELEVATION BY ADDING CONCRETE AND REINFORCING STEEL TO ALL FOUR SIDES OR TO ALL OF THE CAP. TIE TOGETHER WITH #3 RE-BARS AT 6"C TO C BY DRILLING AND GROUTING IN 3".

C. REINSTALL THE EXISTING LID AND FRAME ON THE ADJUSTED TOP PORTION.

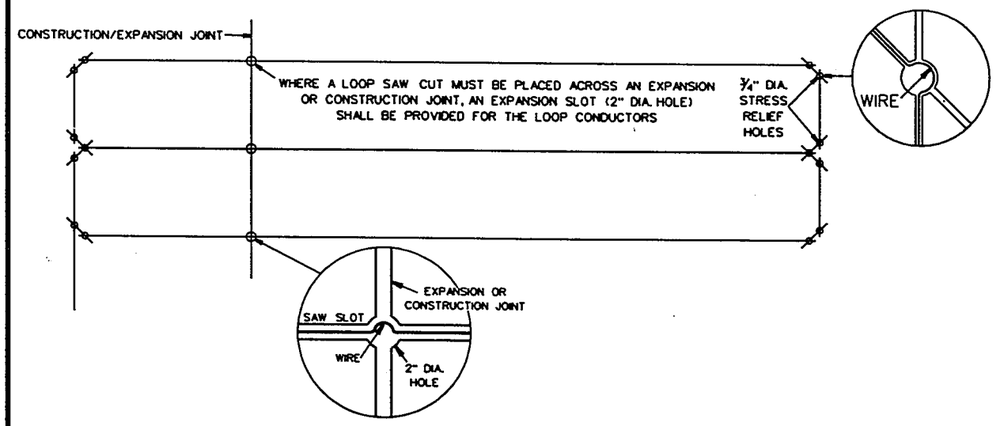
D. SEE SUBSECTION 605.3 FOR FURTHER DETAILS.

E. DO NOT DISTURB EXISTING CABLES.

DETAIL 'D'
ADJUSTING JUNCTION BOXES
ITEM 660005-011 - I/S NOS. 1, 2 & 4
(9 LOCATIONS)

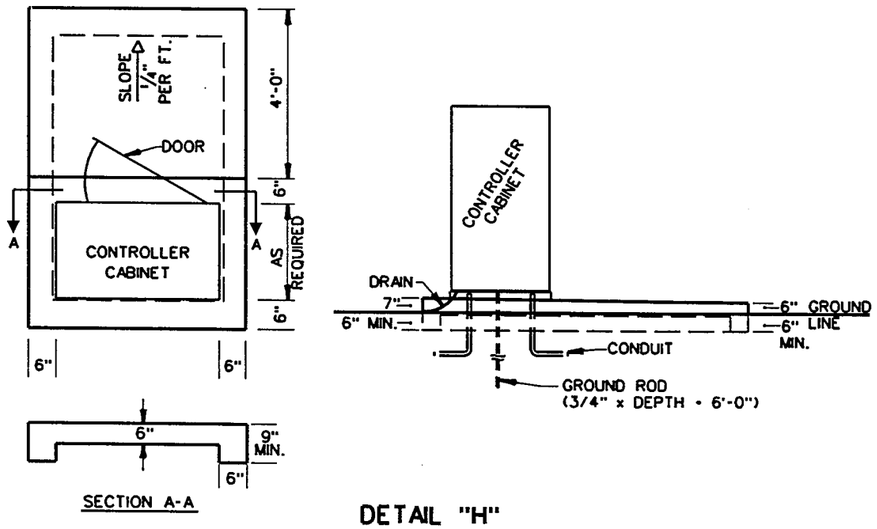


8' x 6' LOOP



QUADRUPOLE LOOP

DETAIL 'B'
LOOP INSTALLATION DETAIL



DETAIL "H"
CONCRETE PAD FOR
BASE MOUNTED CONTROLLER CABINET-I/S NO. 3

—NO SCALE—

US 119 at DUDLEY FARMS BLVD.
SIGNAL SYSTEM

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DETAIL SHEET
CHARLESTON/SO. CHARLESTON
KANAWHA CO.

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	1	U320 -119- 11.70		2001	KANAWHA	118	265

I/S #1 (US119 at DUDLEY FARMS BLVD) WORK DESCRIPTION

1. THIS IS AN EXISTING SIGNAL TO BE REVISED AS DETAILED BELOW AND IN THESE PLANS
2. THE CONTROLLER, CONTROLLER CABINET, DETECTORS, POWER SERVICE, RADIO ANTENNA AND SIGNAL HEAD NO. 11 ARE EXISTING ON SIGNAL POLE P4 AND SHALL REMAIN. BID ALL NECESSARY CONTROLLER WORK AS PART OF ITEM 660001-002(01)
3. SIGNAL POLES P1, P3, & P4 ARE EXISTING TO REMAIN AS IS

3A. SIGNAL P2 IS EXISTING TO BE RELOCATED TO NEW FOUNDATION AS SHOWN ON PLAN SHEET. EXISTING LUMINAIRE AND LUMINAIRE AREA TO BE RELOCATED WITH POLE P2. BID AS ITEM 660004-041. USE CAUTION- FOUNDATION TO BE AT FINAL GRADE. CONTRACTOR SHALL SUPPLY ANCHOR BOLTS.

4. NEW MESSENGER CABLE SHALL BE INSTALLED AS SHOWN ON PLAN SHEET. BID AS PART OF ITEM 660007-00X01)
5. SIGNAL HEADS NO. 1 thru 6 AND 9 thru 11 ARE EXISTING TO BE REUSED/ RELOCATED AS SHOWN ON PLAN SHEET. SIGNAL HEADS NO. 7 & 8 ARE NEW TO BE SUPPLIED BY CONTRACTOR WITH NEW POLE MOUNTING HARDWARE. BID RELOCATING OF EXISTING HEADS AS PART OF ITEM 660003-007. BID NEW HEADS AS ITEM 660003-006.
6. NEW CONDUCTOR CABLE TO BE INSTALLED FROM CONTROLLER TO ALL SIGNAL HEADS. (EXCEPT NO. 11), TO ALL LOOPS (EXCEPT DUDLEY FARMS LANE), AND TO PRIORITY CONTROL SYSTEM DETECTORS (2). BID AS PART OF ITEM 660007-00X01)
7. THE EXISTING PRIORITY CONTROL SYSTEM DETECTORS (2) W/CONFIRMATION LIGHT SHALL BE RELOCATED TO NEW MESSENGER CABLE AND REWIRED TO EXISTING PCS INTERFACE UNIT AND CONTROLLER TO MAKE FUNCTION PROPERLY. SEE PLAN SHEET FOR PCS DWELL INTERVALS. BID AS PART OF ITEM 660007-00X01)
8. NEW SIGNS (2- R10-5L) SHALL BE INSTALLED TO THE NEW MESSENGER CABLE. BID AS PART OF ITEM 660007-00X01)
9. NEW LOOPS, JUNCTION BOXES, AND CONDUIT TO BE INSTALLED AS SHOWN ON PLAN SHEET
10. THE FOUR (4) EXISTING JUNCTION BOXES ALONG US 119 NB SHALL BE ADJUSTED TO NEW GRADE. SEE DETAIL 'D' SHEET SG-5. BID AS ITEM 660005-011
11. THE EXISTING LUMINAIRES (3) TO BE REWIRED AS NECESSARY TO MAKE FUNCTION PROPERLY. BID AS PART OF ITEM 662014-001
12. NOTED EXISTING JB'S (5) TO BE REMOVED. BID AS PART OF ITEM 660007-00X01)
13. THE EXISTING LOOPS SHALL REMAIN FUNCTIONING FOR AS LONG AS POSSIBLE. THE SIDE APPROACH LOOPS SHALL BE NON-FUNCTIONING FOR NO LONGER THAN 32 HOURS. AT LEAST ONE SET OF US 119 (AT 250') IN EACH DIRECTION AND ALSO THE US 119 LEFT TURN LANE LOOPS (BOTH DIRECTIONS) SHALL BE INSTALLED AND FUNCTIONAL WITHIN 5 DAYS FROM THE COMPLETION OF THE FINAL PAVEMENT INSTALLATION IN THESE AREAS. ALL LOOPS TO BE INSTALLED WITHIN 2 WEEKS OF FINAL PAVEMENT INSTALLATION
14. PHASING TO BE AS SHOWN ON THESE PLANS. THE APPROPRIATE PHASE SHALL BE PLACED ON ACTUATED RECALL WHILE ITS LOOP IS NON-FUNCTIONING
15. SIGNAL DOWNTIME SHALL BE LIMITED TO 8 HOURS. CONTRACTOR SHALL SUPPLY FLAGGERS W/ PROPER SIGNING DURING THIS DOWNTIME.

I/S #2 (US119 at GREEN RD/ TERRY RD) WORK DESCRIPTION

1. THIS IS AN EXISTING SIGNAL TO BE REVISED AS DETAILED BELOW AND IN THESE PLANS
2. THE CONTROLLERS (MASTER AND I/S #2), CONTROLLER CABINET, DETECTORS, POWER SERVICE, RADIO ANTENNA AND PRIORITY CONTROL SYSTEM DETECTOR ARE EXISTING ON OR NEAR SIGNAL POLE P5 AND SHALL REMAIN. BID ALL NECESSARY CONTROLLER WORK AS ITEM 660001-002(02)
3. SIGNAL POLES P5, & P6 ARE EXISTING TO REMAIN AS IS
4. SIGNAL POLES P7 & P8 ARE EXISTING TO BE RELOCATED TO NEW FOUNDATIONS AS SHOWN ON PLAN SHEET. EXISTING LUMINAIRE ARM & LUMINAIRE TO BE RELOCATED WITH POLE P8. BID AS ITEM 660004-041. USE CAUTION - FOUNDATIONS TO BE AT FINAL GRADE. CONTRACTOR SHALL SUPPLY ALL ANCHOR BOLTS
5. NEW MESSENGER CABLE SHALL BE INSTALLED AS SHOWN ON PLAN SHEET. BID AS PART OF ITEM 660007-00X02)
6. SIGNAL HEADS NO. 1 thru 10 ARE EXISTING TO BE REUSED/ RELOCATED AS SHOWN ON PLAN SHEET. SIGNAL HEADS NO. 11 & 12 ARE NEW TO BE SUPPLIED BY CONTRACTOR WITH NEW POLE MOUNTING HARDWARE. BID RELOCATING OF EXISTING HEADS AS PART OF ITEM 660003-007. BID NEW HEADS AS ITEM 660003-006.
7. NEW CONDUCTOR CABLE TO BE INSTALLED FROM CONTROLLER TO ALL SIGNAL HEADS, ALL LOOPS (EXCEPT TERRY RD.), AND PRIORITY CONTROL SYSTEM DETECTOR ON SPAN WIRE. BID AS PART OF ITEM 660007-00X02)
8. THE EXISTING PRIORITY CONTROL SYSTEM DETECTOR (1) W/CONFIRMATION LIGHT SHALL BE RELOCATED TO NEW MESSENGER CABLE AND REWIRED TO EXISTING PCS INTERFACE UNIT AND CONTROLLER TO MAKE FUNCTION PROPERLY. SEE PLAN SHEET FOR PCS DWELL INTERVALS. BID AS PART OF ITEM 660007-00X02) THE PCS DETECTOR W/CONFIRMATION LIGHT ON P5 TO REMAIN AS IS AND FUNCTION PROPERLY.
9. NEW SIGNS (2- R10-5L) SHALL BE INSTALLED TO THE NEW MESSENGER CABLE. BID AS PART OF ITEM 660007-00X02)
10. NEW LOOPS, JUNCTION BOXES, AND CONDUIT TO BE INSTALLED AS SHOWN ON PLAN SHEET
11. THE EXISTING LUMINAIRES (2) TO BE REWIRED AS NECESSARY TO MAKE FUNCTION PROPERLY. BID AS PART IF ITEM 662014-001
12. THE ONE (1) EXISTING JUNCTION BOX ALONG US 119 NB FOR THE NB US 119 LEFT TURN LANE SHALL BE ADJUSTED TO NEW GRADE. SEE DETAIL 'D' SHEET SG-5. BID AS ITEM 660005-011
13. NOTED EXISTING JB'S TO BE REMOVED. BID AS PART OF ITEM 660007-00X02)
14. THE EXISTING LOOPS SHALL REMAIN FUNCTIONING FOR AS LONG AS POSSIBLE. THE TERRY RD. SIDE APPROACH LOOPS SHALL BE NON-FUNCTIONING FOR NO LONGER THAN 32 HOURS. AT LEAST ONE SET OF US 119 LOOPS (AT 250') IN EACH DIRECTION, THE GREEN RD. SIDE APPROACH LOOPS AND ALSO THE US 119 LEFT TURN LANE LOOPS (BOTH DIRECTIONS) SHALL BE INSTALLED AND FUNCTIONAL WITHIN 5 DAYS FROM THE COMPLETION OF THE FINAL PAVEMENT INSTALLATION IN THESE AREAS. ALL LOOPS TO BE INSTALLED WITHIN 2 WEEKS OF FINAL PAVEMENT INSTALLATION.
15. PHASING TO BE AS SHOWN ON THESE PLANS. THE APPROPRIATE PHASE SHALL BE PLACED ON ACTUATED RECALL WHILE ITS LOOP IS NON -FUNCTIONING
16. SIGNAL DOWNTIME SHALL BE LIMITED TO 8 HOURS. CONTRACTOR SHALL SUPPLY FLAGGERS W/ PROPER SIGNING DURING THIS DOWNTIME.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

WORK DESCRIPTION NOTES SHEET NO. 1
US119 at DUDLEY FARMS SIGNAL SYSTEM
CHARLESTON/ SOUTH CHARLESTON, KANAWHA CO.

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	01	U320 -119- 11.70		2001	KANAWHA	119	265

I/S #3 (US119 at SOUTHRIDGE BLVD.) WORK DESCRIPTION

1. THIS IS AN EXISTING SIGNAL TO BE REVISED AS DETAILED BELOW AND IN THESE PLANS
2. THE CONTROLLER, CONTROLLER CABINET, DETECTORS, POWER SERVICE, & RADIO ANTENNA ARE EXISTING ON OR NEAR SIGNAL POLE P9 AND SHALL BE REUSED/ RELOCATED

2A. THE POWER SERVICE IS INSTALLED FROM THE SOUTHRIDGE CENTER. THE CONTRACTOR SHALL CONTACT POWER CO. (AEP) AT 1-800-982-4237 PRIOR TO ANY POWER SERVICE WORK TO ARRANGE TO HAVE POWER SUPPLY DISCONNECTED DURING RELOCATION OF EXISTING SIGNAL POWER SERVICE. CONTRACTOR IS RESPONSIBLE FOR ALL FEES ASSESSED BY POWER CO.

3. THE CONTROLLER, CONTROLLER CABINET, DETECTORS TO BE RELOCATED TO A NEW CONCRETE PAD AS SHOWN ON PLAN SHEET. BID THIS AND ALL I/S #3 CONTROLLER WORK AS ITEM 660001-002(03) SEE DETAIL 'H' SHEET SG-5.
4. SIGNAL POLES P9, P10, P11, & P12 ARE EXISTING TO BE RELOCATED TO NEW FOUNDATIONS. THE EXISTING LUM. ARM & LUMINAIRE TO BE RELOCATED WITH POLES P11 & P12. CONTRACTOR SHALL SUPPLY ANCHOR BOLTS. USE CAUTION TO INSTALL THESE FOUNDATIONS AT THE FINAL GRADE. BID POLE RELOCATIONS AS ITEM 660004-041
5. THE EXISTING POWER SERVICE AND RADIO ANTENNA ARE TO BE RELOCATED WITH POLE P9 AND REWIRED AS NECESSARY TO MAKE FUNCTION PROPERLY. BID AS PART OF ITEM 660007-00X03)
6. NEW MESSENGER CABLE SHALL BE INSTALLED AS SHOWN ON PLAN SHEET. BID AS PART OF ITEM 660007-00X03)
7. SIGNAL HEADS NO. 1 THRU 4 AND ALSO SIGNAL HEADS NO. 6 THRU 11 ARE EXISTING TO BE REUSED/ RELOCATED AS SHOWN ON PLAN SHEET. BID RELOCATING HEADS AS PART OF ITEM 660003-007
   SIGNAL HEAD NO. 5 IS NEW TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. THE EXISTING HEAD AT THIS LOCATION SHALL BE REMOVED AND BECOME THE CONTRACTORS PROPERTY. BID THIS NEW HEAD AS ITEM 660003-006 V-12.
8. NEW CONDUCTOR CABLE TO BE INSTALLED FROM CONTROLLER TO ALL SIGNAL HEADS ALL LOOPS, AND PRIORITY CONTROL SYSTEM DETECTOR (1) BID AS PART OF ITEM 660007-00X03).
9. THE EXISTING PRIORITY CONTROL SYSTEM DETECTOR (1) W/CONFIRMATION LIGHT SHALL BE RELOCATED TO NEW MESSENGER CABLE AND REWIRED TO EXISTING PCS INTERFACE UNIT AND CONTROLLER TO MAKE FUNCTION PROPERLY. SEE PLAN SHEET FOR PCS DWELL INTERVAL. BID AS PART OF ITEM 660007-00X03) _
10. A NEW SIGN (1- R10-5L) SHALL BE INSTALLED TO THE NEW MESSENGER CABLE. BID AS PART OF ITEM 660007-00X03)
11. THE EXISTING LUMINAIRES (2) TO BE REWIRED AS NECESSARY TO MAKE FUNCTION PROPERLY. BID AS PART IF ITEM 662014-001
12. NOTED EXISTING JB'S (7) TO BE REMOVED. BID AS PART OF ITEM 660007-00X03)
13. THE EXISTING LOOPS SHALL REMAIN FUNCTIONING FOR AS LONG AS POSSIBLE. THE SIDE APPROACH LOOPS SHALL BE NON-FUNCTIONING FOR NO LONGER THAN 8 HOURS. AT LEAST ONE SET OF US 119 (AT 250') IN EACH DIRECTION AND ALSO THE US 119 LEFT TURN LANE LOOPS (BOTH LANES) SHALL BE INSTALLED AND FUNCTIONAL WITHIN 5 DAYS FROM THE COMPLETION OF THE FINAL PAVEMENT INSTALLATION IN THESE AREAS. ALL LOOPS TO BE INSTALLED WITHIN 2 WEEKS OF FINAL PAVEMENT INSTALLATION
14. PHASING TO BE AS SHOWN IN THESE PLANS. THE APPROPRIATE PHASE SHALL BE PLACED ON ACTUATED RECALL WHILE ITS LOOP IS NON FUNCTIONING
15. SIGNAL DOWNTIME SHALL BE LIMITED TO 10 HOURS. CONTRACTOR SHALL SUPPLY FLAGGERS W/ PROPER SIGNING DURING THIS DOWNTIME.

I/S #4 (US119 TRACE FORK BLVD.) WORK DESCRIPTION

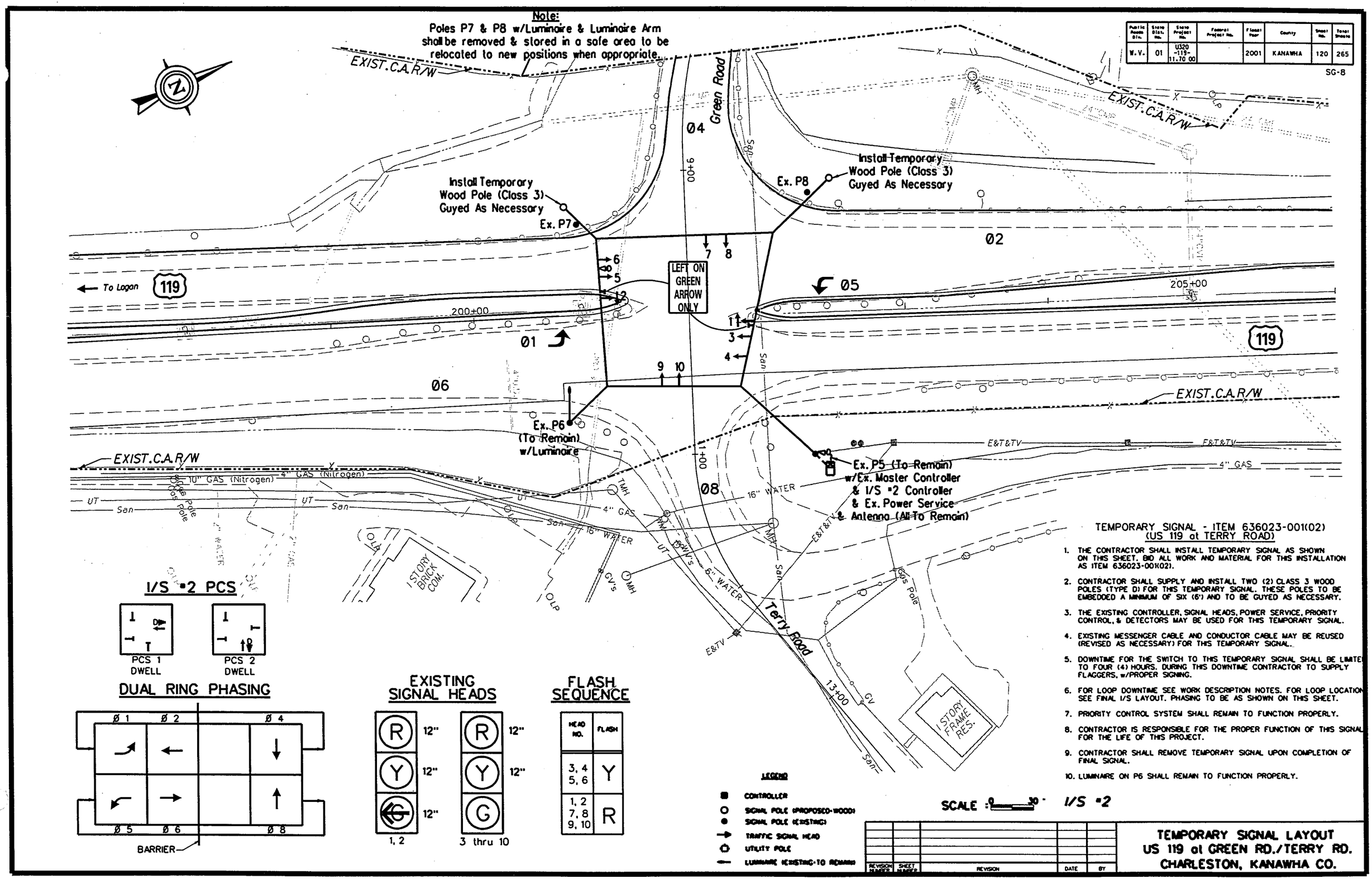
1. THIS IS AN EXISTING SIGNAL TO BE REVISED AS DETAILED BELOW AND IN THESE PLANS
2. THE CONTROLLER, CONTROLLER CABINET, DETECTORS, POWER SERVICE, RADIO ANTENNA AND SIGNAL HEAD NO. 4 ARE EXISTING ON SIGNAL POLE P13 AND SHALL REMAIN BID ALL NECESSARY CONTROLLER WORK AS PART OF ITEM 660001-002(04)
3. SIGNAL POLES P13, P14, P15, & P16 ARE EXISTING TO REMAIN AS IS
4. EXISTING MESSENGER CABLE SHALL BE REUSED AS SHOWN ON PLAN SHEET
5. SIGNAL HEADS NO. 1 thru 9 ARE EXISTING TO BE REUSED/ RELOCATED AS SHOWN ON PLAN SHEET. EX. HEADS NO. 5 & 6 SHALL BE SHIFTED 10' TOWARD P14 EX. HEAD NO. 1 SHALL BE SHIFTED 12' TOWARD P15. ALL OTHER HEADS TO REMAIN AS IS
   BID RELOCATING OF EXISTING HEADS AS PART OF ITEM 660003-007.
6. NEW CONDUCTOR CABLE TO BE INSTALLED FROM CONTROLLER TO RELOCATED SIGNAL HEADS. AND ALL LOOPS (EXCEPT US 119 NB), THE NEW US 119 NB LOOPS (4 LOCATIONS) SHALL BE PROPERLY SPLICED TO EXISTING DETECTOR FEEDER CABLE IN THE EXISTING JB.
   BID AS PART OF ITEM 660007-00X04)
7. THE EXISTING PRIORITY CONTROL SYSTEM DETECTOR W/CONFIRMATION LIGHT (1) SHALL REMAIN AS IS AND FUNCTION PROPERLY.
8. NEW SIGN (1- R10-5L) SHALL BE INSTALLED TO THE EXISTING MESSENGER CABLE. BID AS PART OF ITEM 660007-00X04)
9. NEW LOOPS, JUNCTION BOXES, AND CONDUIT TO BE INSTALLED AS SHOWN ON PLAN SHEET
10. THE EXISTING LUMINAIRES (3) TO REMAIN AS IS AND FUNCTION PROPERLY. BID AS PART IF IREM 662014-001
11. NOTED EXISTING JB'S (4) TO BE REMOVED. BID AS PART OF ITEM 660007-00X04)
12. THE EXISTING LOOPS SHALL REMAIN FUNCTIONING FOR AS LONG AS POSSIBLE. THE SIDE APPROACH LOOPS SHALL BE NON-FUNCTIONING FOR NO LONGER THAN 32 HOURS. AT LEAST ONE SET OF US 119 (AT 250') IN EACH DIRECTION AND ALSO THE US 119 LEFT TURN LANE LOOP SHALL BE INSTALLED AND FUNCTIONAL WITHIN 5 DAYS FROM THE COMPLETION OF THE FINAL PAVEMENT INSTALLATION IN THESE AREAS. ALL LOOPS TO BE INSTALLED WITHIN 2 WEEKS OF FINAL PAVEMENT INSTALLATION
13. PHASING TO BE AS SHOWN IN THESE PLANS. THE APPROPRIATE PHASE SHALL BE PLACED ON ACTUATED RECALL WHILE ITS LOOP IS NON FUNCTIONING
14. SIGNAL DOWNTIME SHALL BE LIMITED TO 4 HOURS. CONTRACTOR SHALL SUPPLY FLAGGERS W/ PROPER SIGNING DURING THIS DOWNTIME.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

WORK DESCRIPTION NOTES SHEET NO. 2
US119 at DUDLEY FARMS SIGNAL SYSTEM
CHARLESTON/ SOUTH CHARLESTON, KANAWHA CO.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	120	265

SG-8



TEMPORARY SIGNAL - ITEM 636023-001(02) (US 119 at TERRY ROAD)

1. THE CONTRACTOR SHALL INSTALL TEMPORARY SIGNAL AS SHOWN ON THIS SHEET. BID ALL WORK AND MATERIAL FOR THIS INSTALLATION AS ITEM 636023-001(02).
2. CONTRACTOR SHALL SUPPLY AND INSTALL TWO (2) CLASS 3 WOOD POLES (TYPE D) FOR THIS TEMPORARY SIGNAL. THESE POLES TO BE EMBEDDED A MINIMUM OF SIX (6') AND TO BE GUYED AS NECESSARY.
3. THE EXISTING CONTROLLER, SIGNAL HEADS, POWER SERVICE, PRIORITY CONTROL, & DETECTORS MAY BE USED FOR THIS TEMPORARY SIGNAL.
4. EXISTING MESSENGER CABLE AND CONDUCTOR CABLE MAY BE REUSED (REVISED AS NECESSARY) FOR THIS TEMPORARY SIGNAL.
5. DOWNTIME FOR THE SWITCH TO THIS TEMPORARY SIGNAL SHALL BE LIMITED TO FOUR (4) HOURS. DURING THIS DOWNTIME CONTRACTOR TO SUPPLY FLAGGERS, w/PROPER SIGNING.
6. FOR LOOP DOWNTIME SEE WORK DESCRIPTION NOTES. FOR LOOP LOCATION SEE FINAL I/S LAYOUT. PHASING TO BE AS SHOWN ON THIS SHEET.
7. PRIORITY CONTROL SYSTEM SHALL REMAIN TO FUNCTION PROPERLY.
8. CONTRACTOR IS RESPONSIBLE FOR THE PROPER FUNCTION OF THIS SIGNAL FOR THE LIFE OF THIS PROJECT.
9. CONTRACTOR SHALL REMOVE TEMPORARY SIGNAL UPON COMPLETION OF FINAL SIGNAL.
10. LUMINAIRE ON P6 SHALL REMAIN TO FUNCTION PROPERLY.

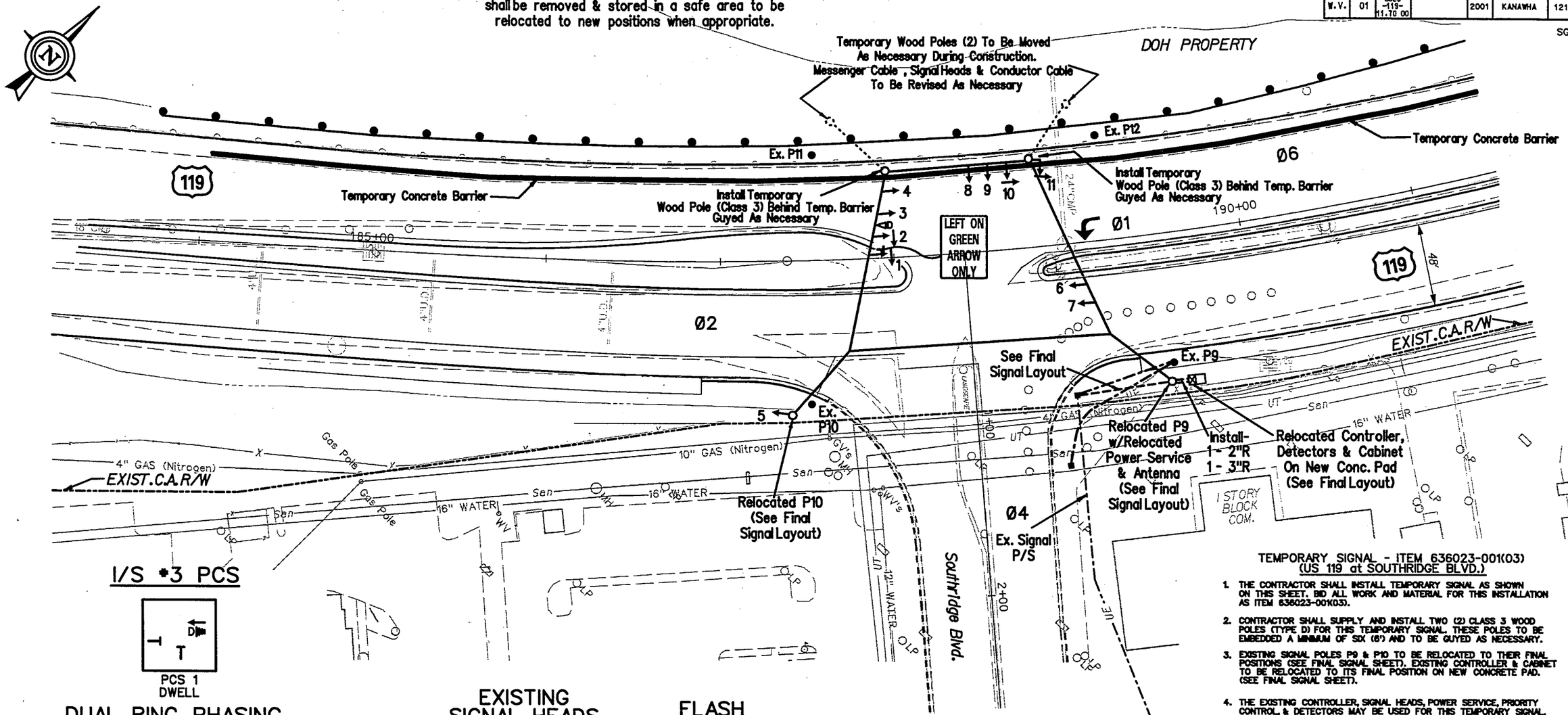
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

TEMPORARY SIGNAL LAYOUT
US 119 at GREEN RD./TERRY RD.
CHARLESTON, KANAWHA CO.

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	121	265

SG-9

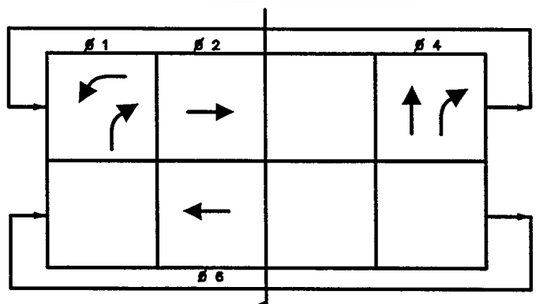
Note:
Poles P11 & P12 w/Luminaires & Luminaire Arms shall be removed & stored in a safe area to be relocated to new positions when appropriate.



I/S #3 PCS

PCS 1
DWELL

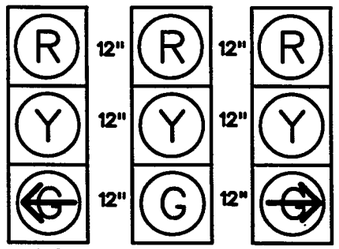
DUAL RING PHASING



NOTE:
HEADS #10 & #11 ARE OVERLAPPED DURING PHASE 1.

EXISTING SIGNAL HEADS

- REUSE -



FLASH SEQUENCE

HEAD NO.	FLASH
3, 4 5, 6, 7	Y
1, 2 8, 9, 10, 11	R

LEGEND

- CONTROLLER
- SIGNAL POLE (PROPOSED-WOOD)
- SIGNAL POLE (EXISTING)
- TRAFFIC SIGNAL HEAD
- UTILITY POLE
- LUMINAIRE (EXISTING-TO REMAIN)
- CONDUIT (EXISTING)
- CONDUIT (PROPOSED)

I/S #3

SCALE : 0 — 30'

TEMPORARY SIGNAL - ITEM 636023-001(03)
(US 119 at SOUTHRIDGE BLVD.)

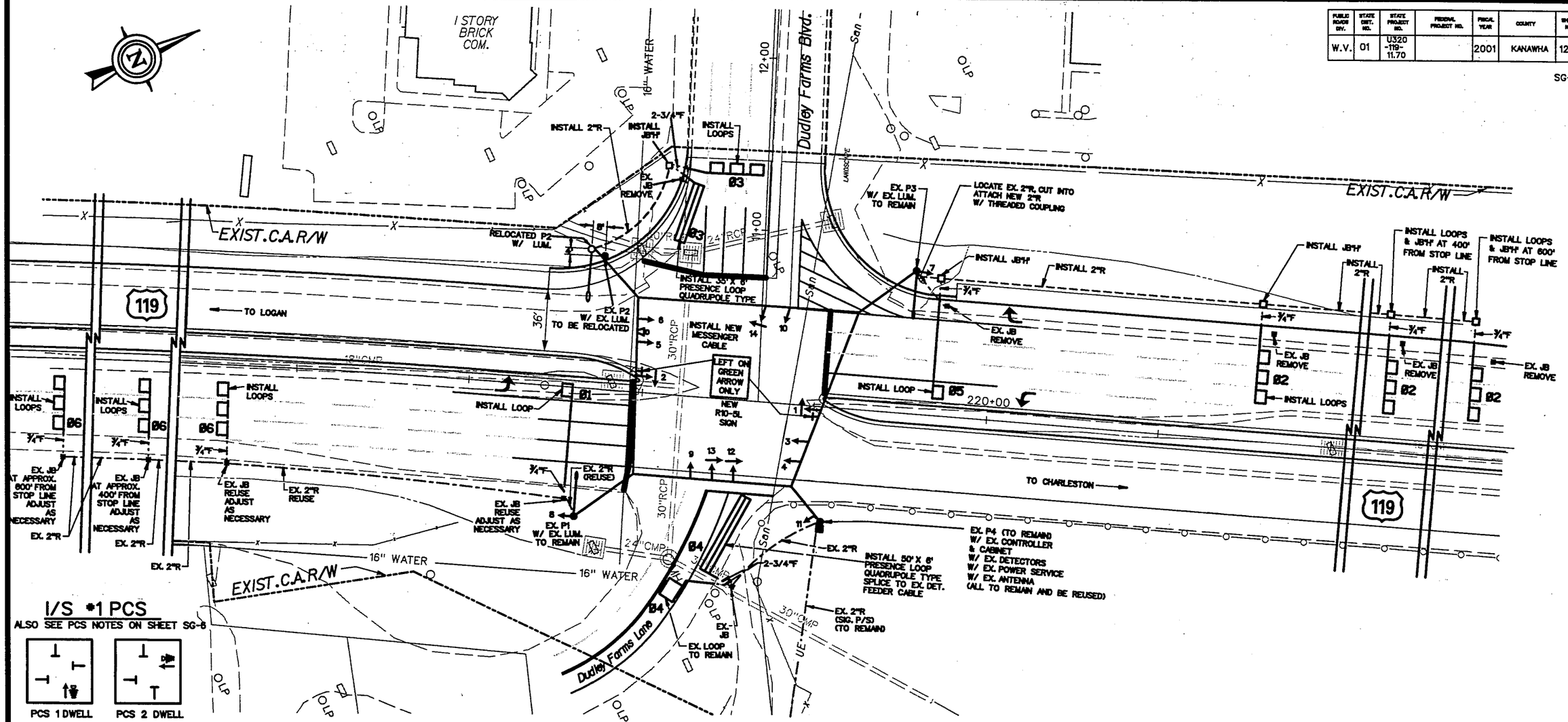
1. THE CONTRACTOR SHALL INSTALL TEMPORARY SIGNAL AS SHOWN ON THIS SHEET. BID ALL WORK AND MATERIAL FOR THIS INSTALLATION AS ITEM 636023-001(03).
2. CONTRACTOR SHALL SUPPLY AND INSTALL TWO (2) CLASS 3 WOOD POLES (TYPE D) FOR THIS TEMPORARY SIGNAL. THESE POLES TO BE EMBEDDED A MINIMUM OF SIX (6') AND TO BE GUYED AS NECESSARY.
3. EXISTING SIGNAL POLES P9 & P10 TO BE RELOCATED TO THEIR FINAL POSITIONS (SEE FINAL SIGNAL SHEET). EXISTING CONTROLLER & CABINET TO BE RELOCATED TO ITS FINAL POSITION ON NEW CONCRETE PAD. (SEE FINAL SIGNAL SHEET).
4. THE EXISTING CONTROLLER, SIGNAL HEADS, POWER SERVICE, PRIORITY CONTROL, & DETECTORS MAY BE USED FOR THIS TEMPORARY SIGNAL.
5. EXISTING MESSENGER CABLE AND CONDUCTOR CABLE MAY BE REUSED (REVISED AS NECESSARY) FOR THIS TEMPORARY SIGNAL.
6. DOWNTIME FOR THE SWITCH TO THIS TEMPORARY SIGNAL SHALL BE LIMITED TO EIGHT (8) HOURS. DURING THIS DOWNTIME CONTRACTOR TO SUPPLY FLAGGERS, w/PROPER SIGNING.
7. FOR LOOP DOWNTIME SEE WORK DESCRIPTION NOTES. FOR LOOP LOCATIONS SEE FINAL I/S LAYOUT. PHASING TO BE AS SHOWN ON THIS SHEET.
8. PRIORITY CONTROL SYSTEM SHALL REMAIN TO FUNCTION PROPERLY.
9. CONTRACTOR IS RESPONSIBLE FOR THE PROPER FUNCTION OF THIS SIGNAL FOR THE LIFE OF THIS PROJECT.
10. CONTRACTOR SHALL REMOVE TEMPORARY SIGNAL UPON COMPLETION OF FINAL SIGNAL.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

TEMPORARY SIGNAL LAYOUT
U.S. 119 at SOUTHRIDGE BLVD.
SOUTH CHARLESTON, KANAWHA CO.

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	01	U320 -119- 11.70		2001	KANAWHA	122	265

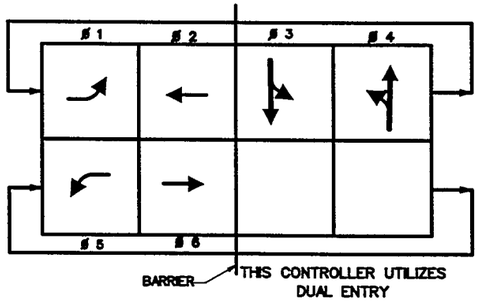
SG-10



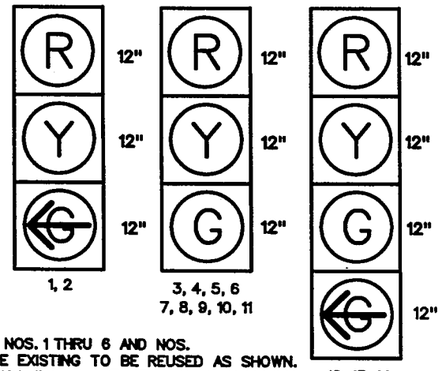
I/S #1 PCS

ALSO SEE PCS NOTES ON SHEET SG-8

DUAL RING PHASING



SIGNAL HEADS



FLASH SEQUENCE

HEAD NO.	FLASH
3, 4 5, 6 7, 8	Y
1, 2 8, 9, 10 11, 12, 13 14	R

POLE CHART

- FOR INFORMATION ONLY -

	POLE OR CONTROLLER TYPE	UPRIGHT POLE: POLE MOUNTED SIGNAL ATTACHMENT DIM "K"	DIM "L"	HEIGHT	O. D.	WALL GA.	LOCATION	LUMINAIRE: SPREAD	MOUNTING HEIGHT	ANGLE "A"
P1	C1	12'	3'-10"	33'-6"	12"	3 PLY	EX. TO REMAIN AS IS	20'	40'	335°
P2	C1			33'-6"	12"	3 PLY	EXISTING TO BE RELOCATED	25'	40'	221°
P3	C1	12'	3'-10"	33'-6"	13"	3 PLY	EX. TO REMAIN AS IS	20'	40'	131°
P4	C1	12'	3'-10"	32'	12"	3 PLY	EX. TO REMAIN AS IS			

CONTRACTOR SHALL VERIFY ALL POLE DIMENSIONS

- SIGNAL HEADS NOS. 1 THRU 6 AND NOS. 9 THRU 14 ARE EXISTING TO BE REUSED AS SHOWN.
- SIGNAL HEAD NOS. 7 & 8 ARE NEW TO BE SUPPLIED BY THE CONTRACTOR

LEGEND

- CONTROLLER
- JUNCTION BOX (TYPE H) (PROPOSED)
- JUNCTION BOX (TYPE H) (EXISTING)
- DETECTOR CABINET
- CONDUIT (PROPOSED)
- CONDUIT (EXISTING)
- PCS PRIORITY CONTROL SYSTEM
- PCS EMITTER
- PCS DETECTOR
- SIGNAL POLE (PROPOSED)
- SIGNAL POLE (EXISTING)
- TRAFFIC SIGNAL HEAD
- UTILITY POLE
- LOOP DETECTOR
- LUMINAIRE (PROPOSED)
- LUMINAIRE (EXISTING)

I/S #1

SCALE : 0 — 30'

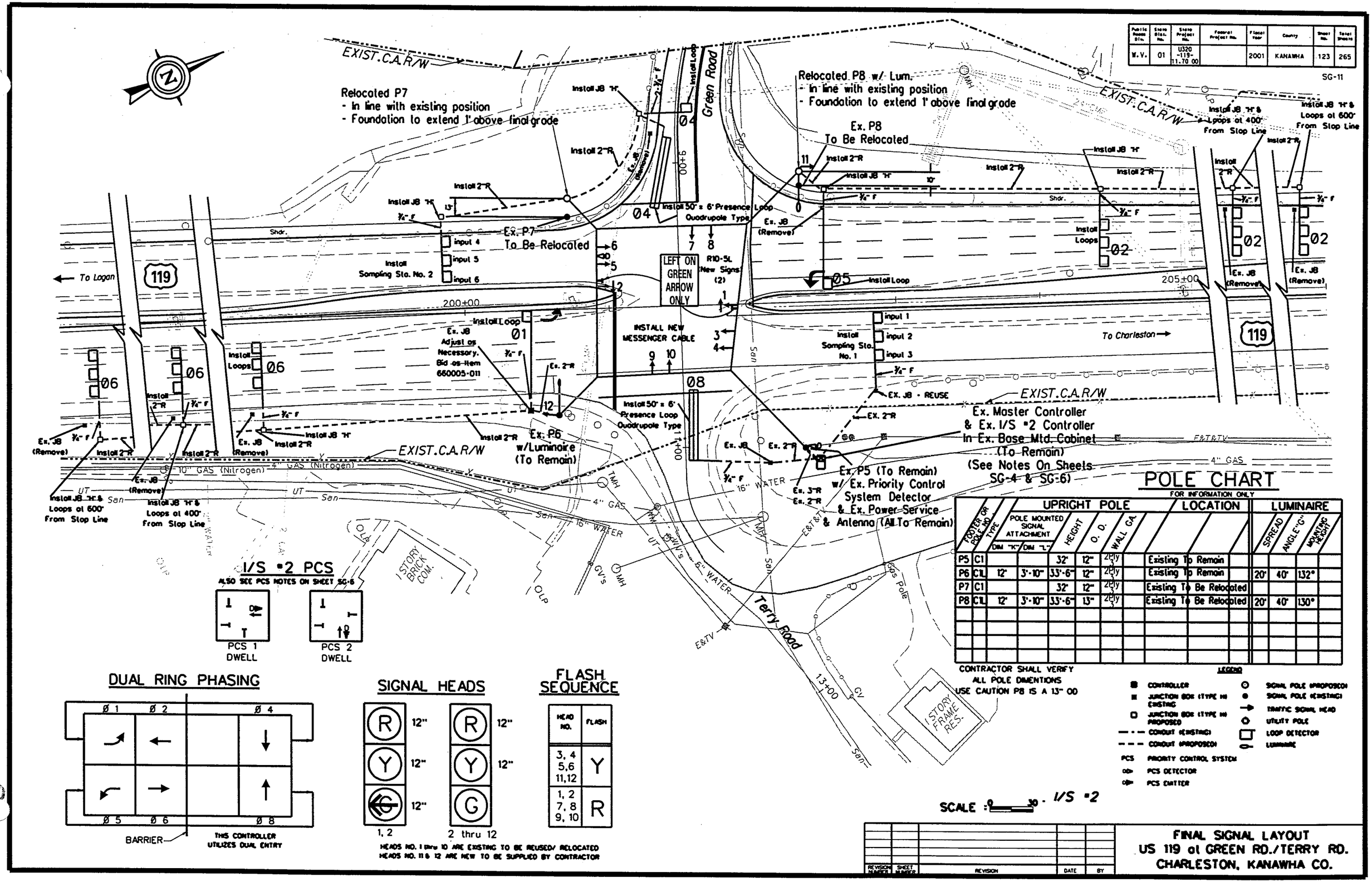
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

FINAL SIGNAL LAYOUT
US 119 at DUDLEY FARMS BLVD.
CHARLESTON, KANAWHA CO.

$$$$$$$$$FILENAME$$$$$$$$$ $USERNAME$ DD-MMM-YYYY HH:MM TRAFFIC ENGINEERING DIVISION

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	123	265

SG-11



POLE CHART

FOR INFORMATION ONLY

FOOTER OR POLE NO.	TYPE	UPRIGHT POLE: POLE MOUNTED SIGNAL ATTACHMENT DIM "K"	DIM "L"	HEIGHT	O. D.	WALL GA.	LOCATION	LUMINAIRE: SPREAD	ANGLE "G"	MOUNTING HEIGHT
P5	C1			32'	12"	2Ply 3	Existing To Remain			
P6	C1L	12'	3'-10"	33'-6"	12"	2Ply 3	Existing To Remain	20'	40'	132°
P7	C1			32'	12"	2Ply 3	Existing To Be Relocated			
P8	C1L	12'	3'-10"	33'-6"	13"	2Ply 3	Existing To Be Relocated	20'	40'	130°

CONTRACTOR SHALL VERIFY ALL POLE DIMENTIONS
USE CAUTION P8 IS A 13" OD

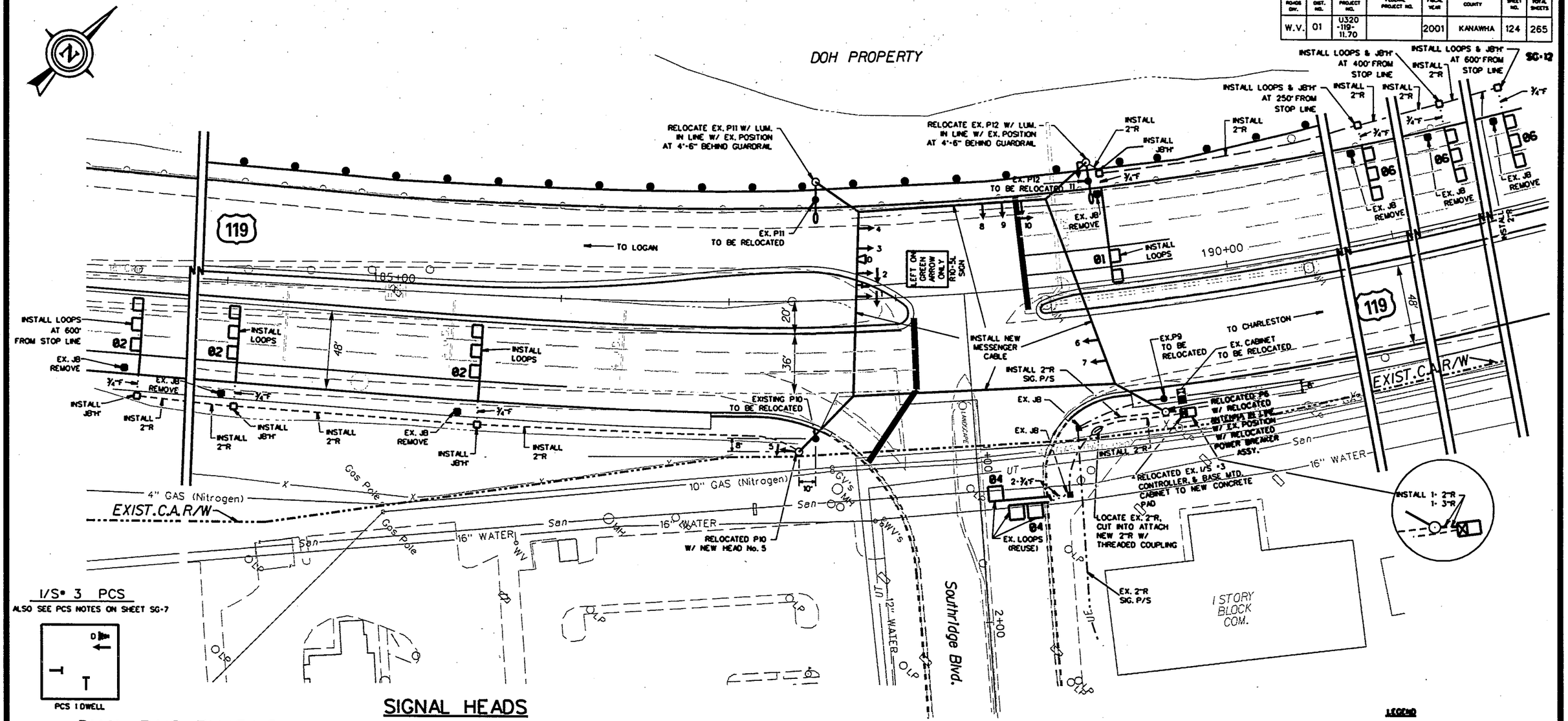
LEGEND

- CONTROLLER
- JUNCTION BOX (TYPE H) EXISTING
- JUNCTION BOX (TYPE H) PROPOSED
- CONDUIT (EXISTING)
- CONDUIT (PROPOSED)
- PCS PRIORITY CONTROL SYSTEM
- PCS DETECTOR
- PCS EMITTER
- SIGNAL POLE (PROPOSED)
- SIGNAL POLE (EXISTING)
- TRAFFIC SIGNAL HEAD
- UTILITY POLE
- LOOP DETECTOR
- LUMINAIRE

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

FINAL SIGNAL LAYOUT
US 119 at GREEN RD./TERRY RD.
CHARLESTON, KANAWHA CO.

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	01	U320 -119- 11.70		2001	KANAWHA	124	265



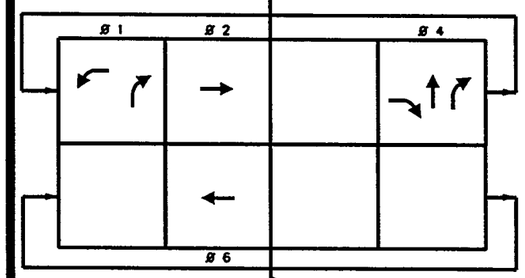
I/S• 3 PCS

ALSO SEE PCS NOTES ON SHEET SG-7

PCS 1 DWELL

DUAL RING PHASING

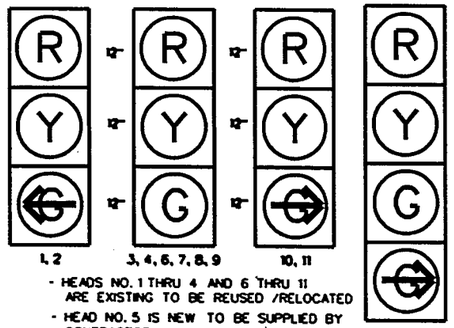
THIS CONTROLLER UTILIZES DUAL ENTRY



NOTE:
HEADS #10 & #11 ARE OVERLAPPED DURING PHASE 1 - GREEN ARROWS ONLY

HEAD NO. 5 IS OVERLAPPED DURING PHASE 4 - GREEN ARROW ONLY
- THIS TO BE ADDED BY CONTRACTOR

SIGNAL HEADS



- HEADS NO. 1 THRU 4 AND 6 THRU 11 ARE EXISTING TO BE REUSED /RELOCATED
- HEAD NO. 5 IS NEW TO BE SUPPLIED BY CONTRACTOR

FLASH SEQUENCE

HEAD NO.	FLASH
3, 4, 5, 6, 7	Y
1, 2 8, 9, 10, 11	R

POLE CHART

- FOR INFORMATION ONLY -

FOOTER OR POLE NO.	TYPE	UPRIGHT POLE: POLE MOUNTED SIGNAL ATTACHMENT DIM "K"	DIM "L"	HEIGHT	O. D.	WALL GA.	LOCATION	LUMINAIRE: SPREAD	MOUNTING HEIGHT	ANGLE "G"
P9	C1			30'	12"	2 PLY 3	EX. TO BE RELOCATED			
P10	C1	15'	5'	30'	12"	2 PLY 3	EX. TO BE RELOCATED			
P11	C1L			30'	12"	2 PLY 3	EX. TO BE RELOCATED	15'	36'-6"	235°
P12	C1L	15'	3'-10"	30'	12"	2 PLY 3	EX. TO BE RELOCATED	15'	36'-6"	125°

CONTRACTOR SHALL VERIFY POLE DIMENSIONS

SCALE : 0 50

LEGEND

- CONTROLLER
- JUNCTION BOX (TYPE H) (PROPOSED)
- JUNCTION BOX (TYPE H) (EXISTING)
- DETECTOR CABINET
- CONDUIT (PROPOSED)
- CONDUIT (EXISTING)
- PCS PRIORITY CONTROL SYSTEM
- PCS DETECTOR
- PCS EMITTER
- SIGNAL POLE (PROPOSED)
- SIGNAL POLE (EXISTING)
- TRAFFIC SIGNAL HEAD
- UTILITY POLE
- LOOP DETECTOR
- LUMINAIRE (PROPOSED)
- LUMINAIRE (EXISTING)

I/S #3

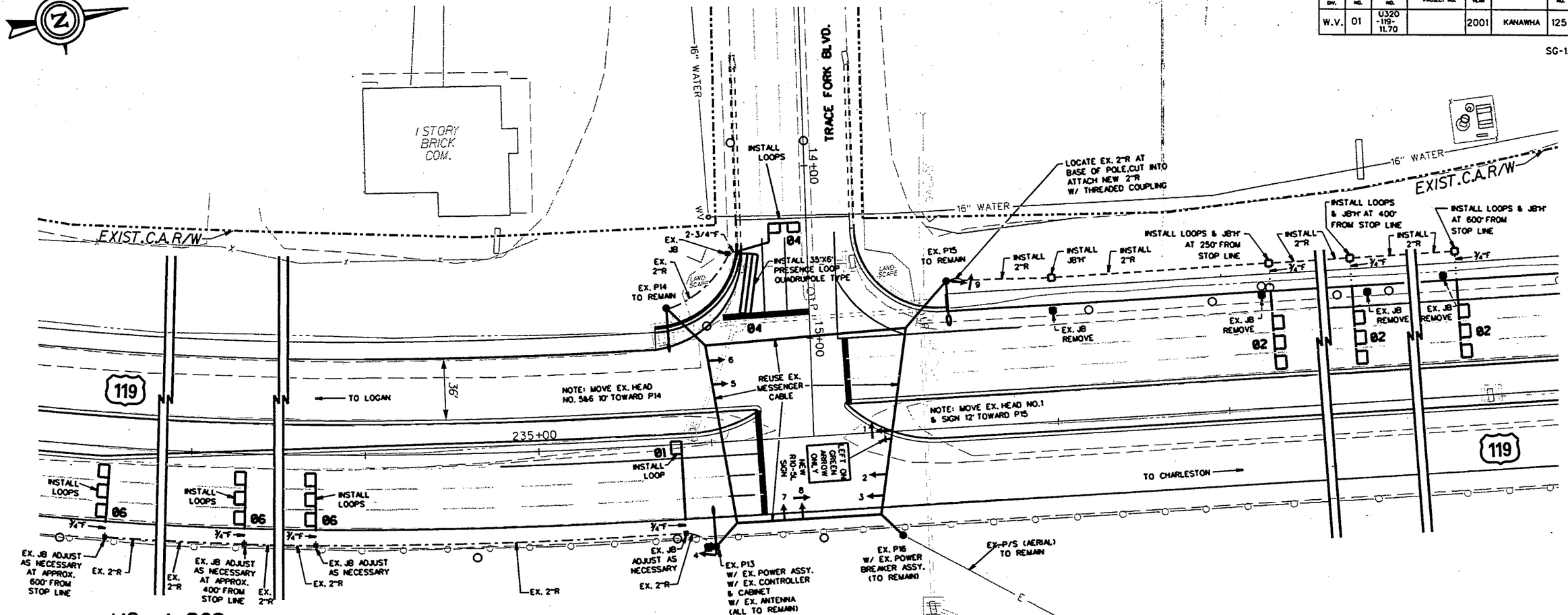
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

FINAL SIGNAL LAYOUT
U.S. 119 at SOUTHRIDGE BLVD.
SOUTH CHARLESTON, KANAWHA CO.

p:\Highway\921904 US 119\DRAWINGS\Signals\corg3.dgn 06/13/2000 TRAFFIC ENGINEERING DIVISION

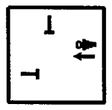
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJECT NO.	FEDERAL PROJECT NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	01	U320 -119- 11.70		2001	KANAWHA	125	265

SG-13



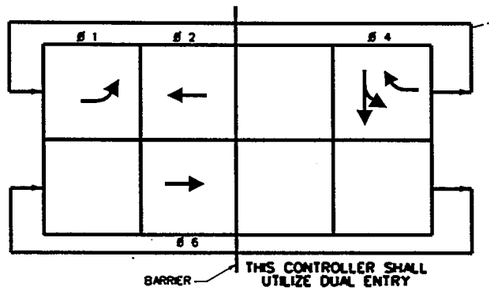
I/S #4 PCS

ALSO SEE PCS NOTES ON SHEET SG-7



PCS 1 DWELL

DUAL RING PHASING



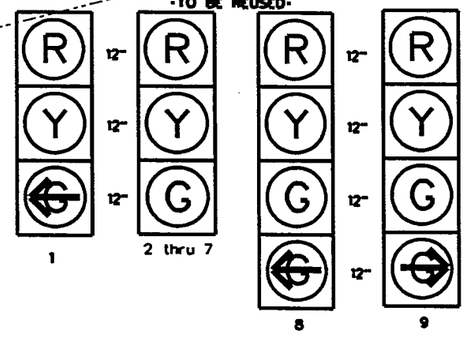
THIS CONTROLLER SHALL UTILIZE DUAL ENTRY

— GREEN ARROW ON HEAD NO. 9 SHALL BE ACTIVATED DURING PHASE 4 ONLY

HEAD NO. 9 RED BALL TO BE ACTIVATED DURING PHASE 4 ALSO

EXISTING SIGNAL HEADS

-TO BE REUSED-



FLASH SEQUENCE

HEAD NO.	FLASH
2, 3, 4 5, 6, 9	Y
1, 7, 8	R

POLE CHART

- FOR INFORMATION ONLY -

POLE NO.	TYPE	POLE MOUNTED SIGNAL ATTACHMENT DIM "A"	DIM "L"	HEIGHT	O.D.	WALL GA.	LOCATION	SPREAD	ADJUSTING WIDTH	ANGLE "E"
P13	CL	15'	5'-10"	30'	12"	7	EXISTING TO REMAIN	20'	39-6	135°
P14	CL			30'	12"	7		25'	39-6	225°
P15	CL	15'	5'-0"	30'	12"	7		20'	39-6	135°
P16	CL			30'	12"	7				

LEGEND

- CONTROLLER
- JUNCTION BOX (TYPE M) (PROPOSED)
- JUNCTION BOX (TYPE M) (EXISTING)
- DETECTOR CABINET
- CONDUIT (PROPOSED)
- CONDUIT (EXISTING)
- PCS PRIORITY CONTROL SYSTEM
- PCS DETECTOR
- PCS EMITTER
- SIGNAL POLE (PROPOSED)
- SIGNAL POLE (EXISTING)
- TRAFFIC SIGNAL HEAD
- UTILITY POLE
- LOOP DETECTOR
- LUMINAIRE (PROPOSED)
- LUMINAIRE (EXISTING)

I/S = 4

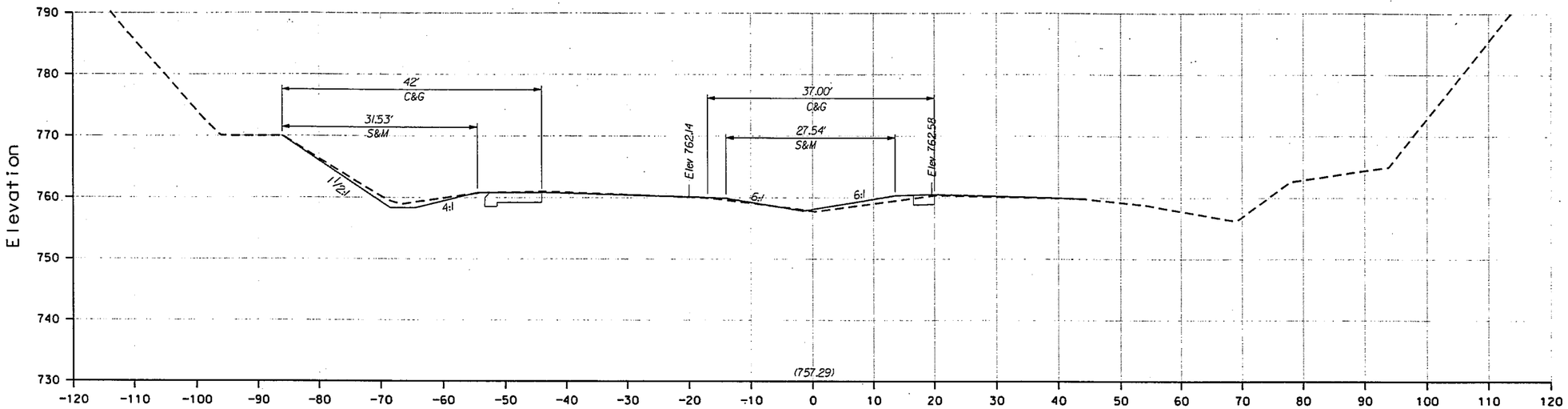
SCALE : 0 — 30'

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

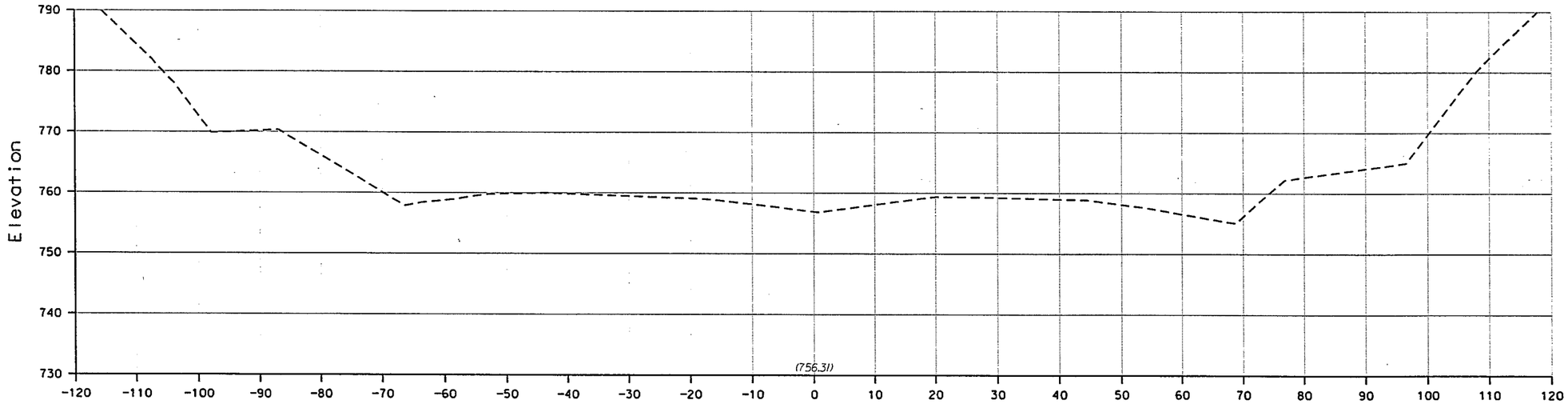
FINAL SIGNAL LAYOUT
US 119 at TRACE FORK BLVD.
SOUTH CHARLESTON, KANAWHA CO.

p:\Highway\921904 US 119\DRAWINGS\Signals\corg4.dgn 06/13/2000 TRAFFIC ENGINEERING DIVISION

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	126	265



154+50



154+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
154+00		0		0		0		0				0		0			
	50		1476.8		1975.0		35.15		20.52				9.72		0		
154+50		59.07		79		37.96		44.32				10.50		0			
	50		2888.3		3923.0		75.9		41.07				25.6		0		

SCALES

10 ft.

0 10 ft. 0

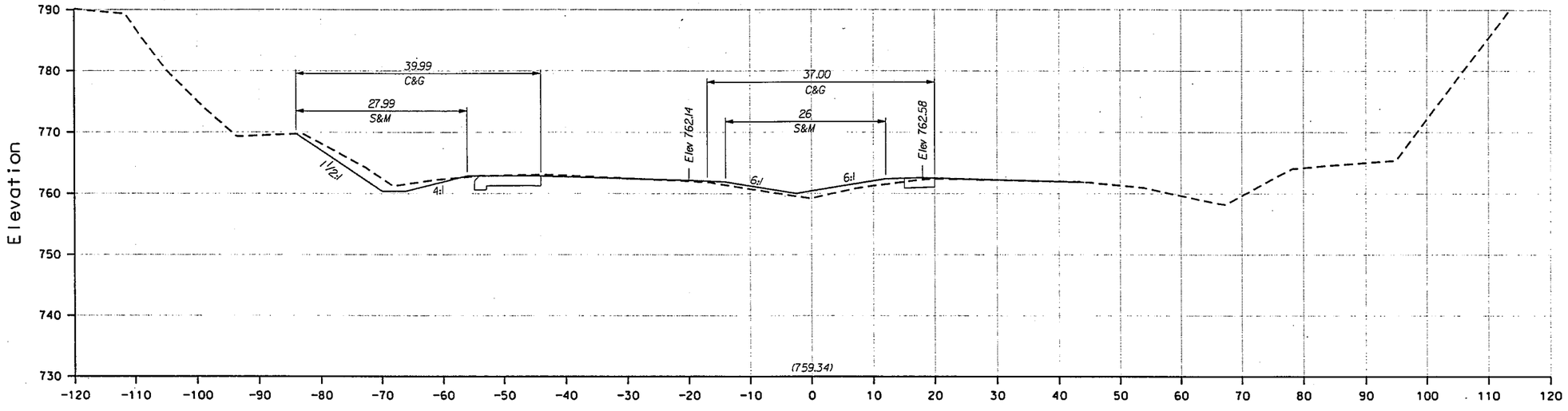
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

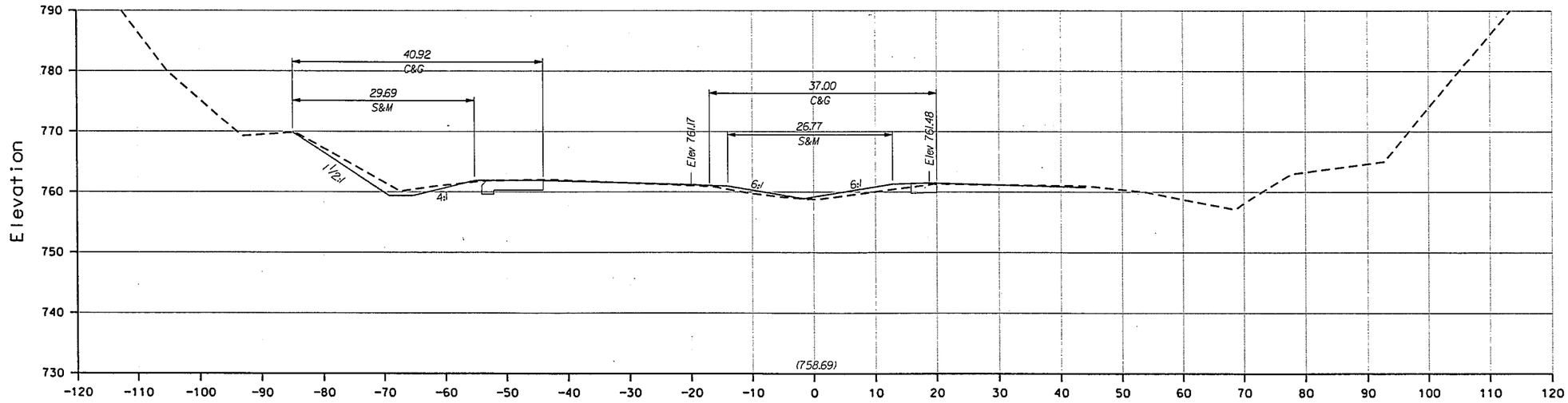
CROSS-SECTIONS

Sta. 154+00 to Sta. 154+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -115- 11.70 00		2001	KANAWHA	127	265



155+50



155+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION (SF)	EXCAVATION (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
155+00.		56.46		77.92		43.98		22.2				17.11		0.0			
	50		2761.3		3873.0		91.1		41.7				36.0		0.0		
155+50.		53.99		76.99		54.41		22.9				21.8		0.0			
	50		2623.8		3861.8		97.7		39.0				41.8		0.0		

SCALES

10 ft.

0 10 ft.

0

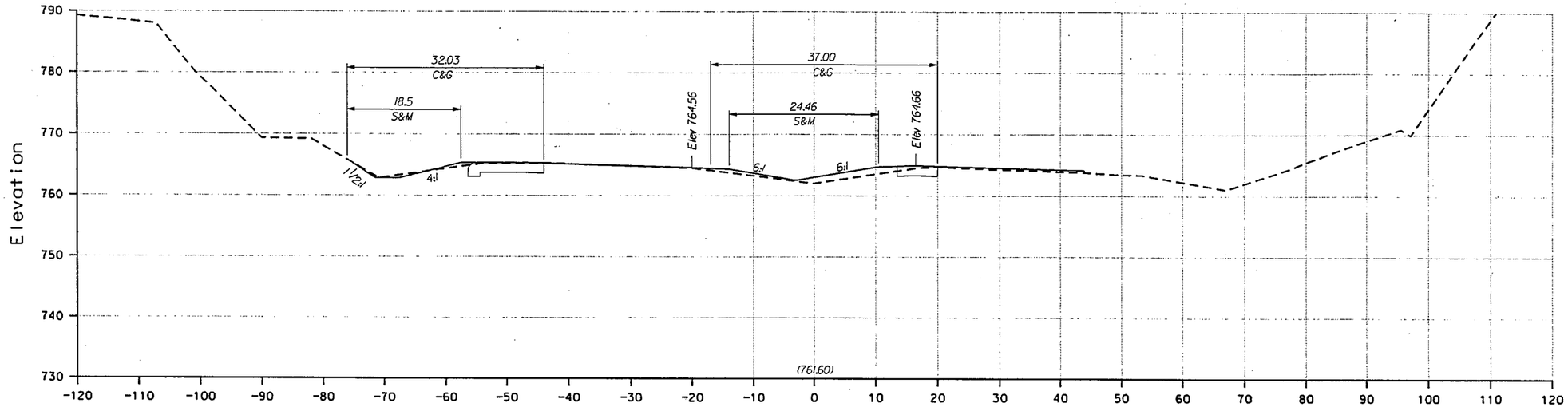
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

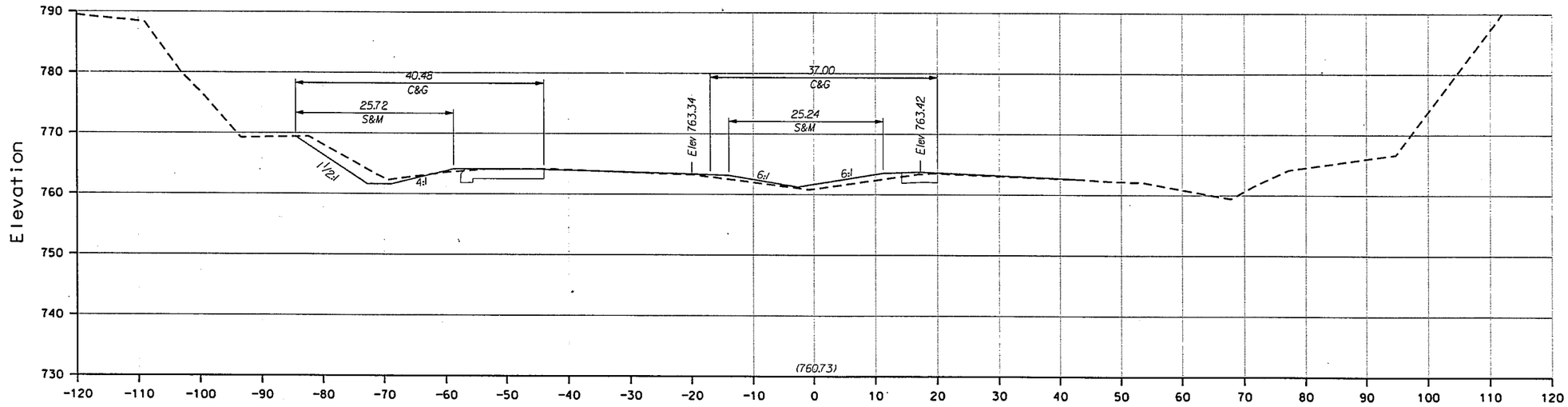
CROSS-SECTIONS

Sta. 155+00 to Sta. 155+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	128	265



156+50



156+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	(SF)	(CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
156+00.		50.96		77.48		51.07		19.2				23.39		0.0			
	50		2348.0		3662.8		74.7		32.4				42.8		0.0		
156+50.		42.96		69.03		29.51		15.8				22.84		0.0			
	50		2008.0		3350.3		52.1		26.4				48.2		0.0		

SCALES

10 ft.

0 10 ft. 0

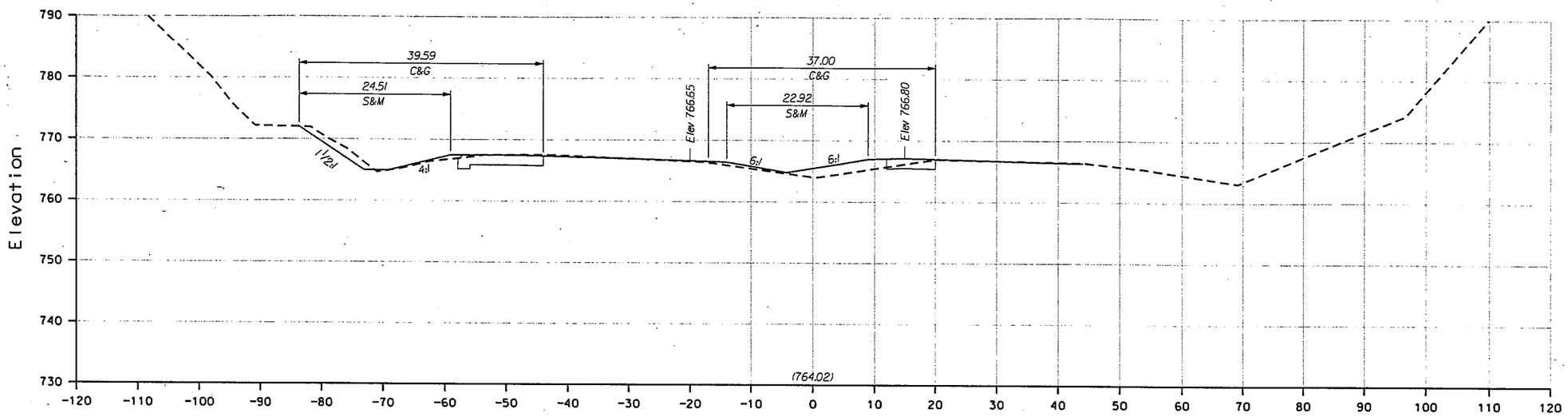
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

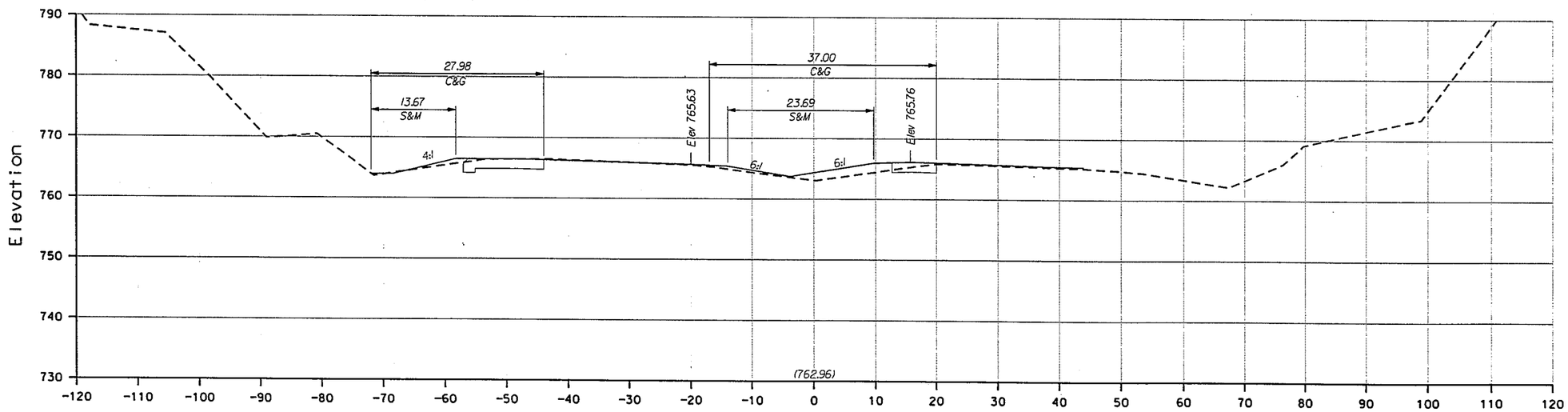
CROSS-SECTIONS

Sta. 156+00 to Sta. 156+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	129	265



157+50



157+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
157+00.		37.36		64.98		26.66		12.7				29.18		0.0			
	50		2119.8		3539.3		64.1		30.0				55.6		0.0		
157+50.		47.43		76.59		42.6		19.8				30.89		0.0			
	50		2295.0		3791.3		76.6		35.6				56.7		0.0		

SCALES
10 ft.
0 10 ft. 0

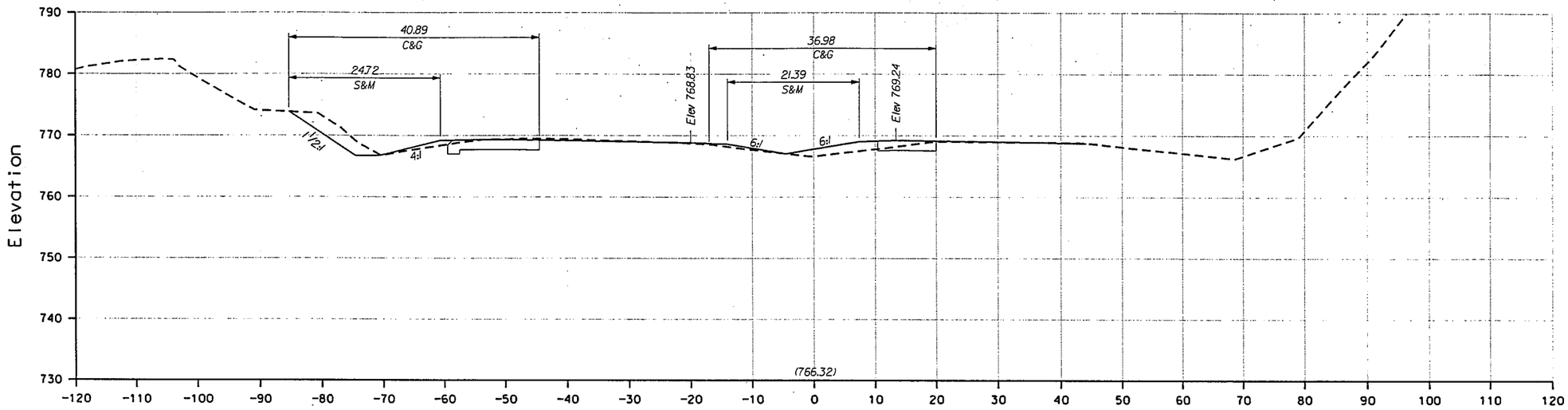
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

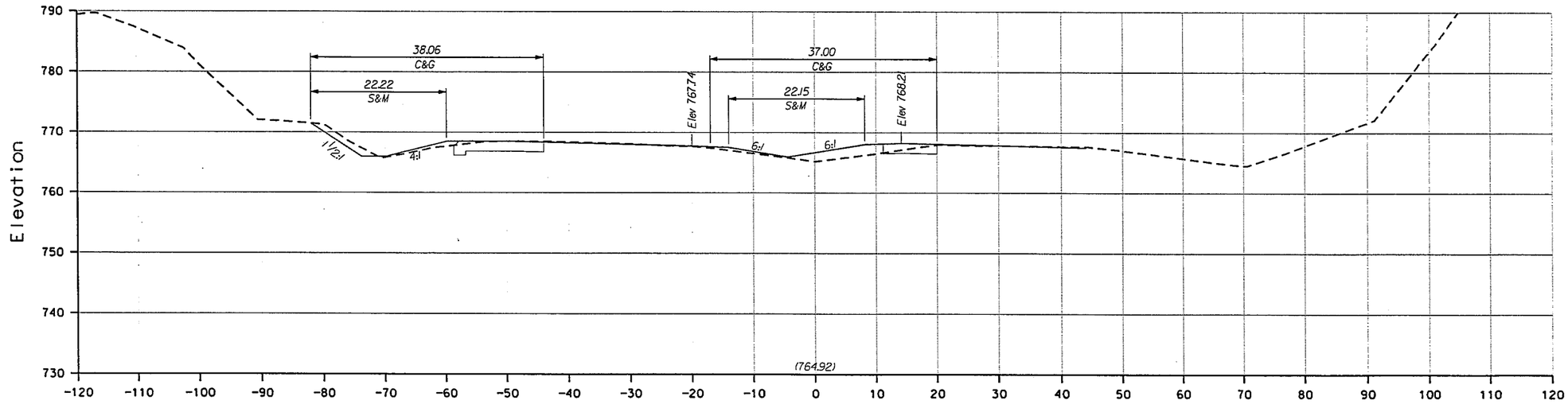
CROSS-SECTIONS

Sta. 157+00 to Sta. 157+50

Public Roads Dis.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	130	265



158+50



158+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
158+00.		44.37		75.06		40.09		18.7				30.34		0.0			
	50		2262.0		3823.3		92.8		35.7				51.0		0.0		
158+50.		46.11		77.87		60.11		19.9				24.72		0.0			
	50		3064.0		4974.8		173.		50.8				57.4		0.0		

SCALES

10 ft.

0 10 ft. 0

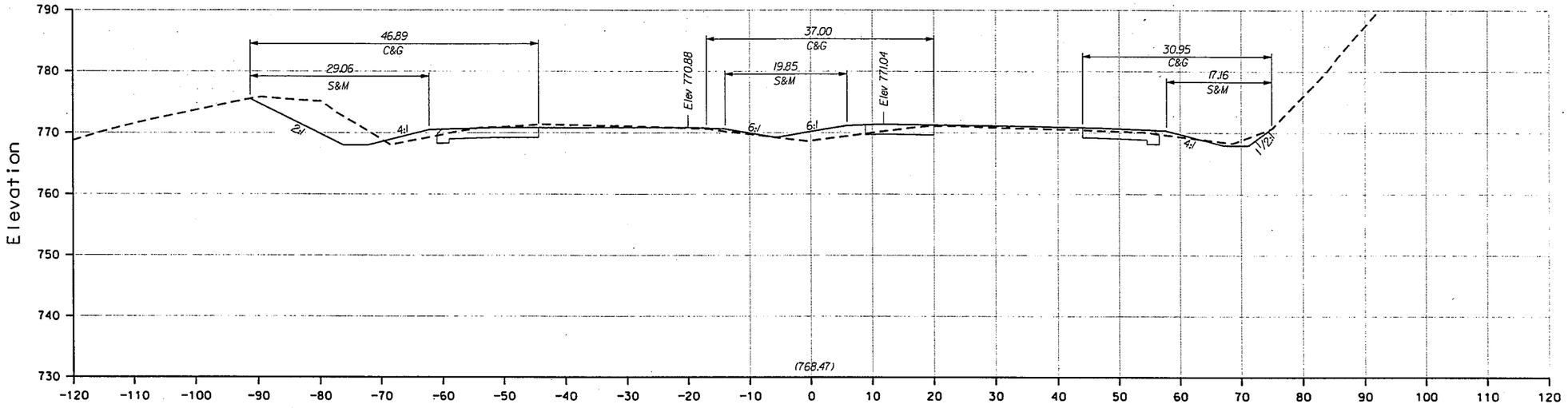
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

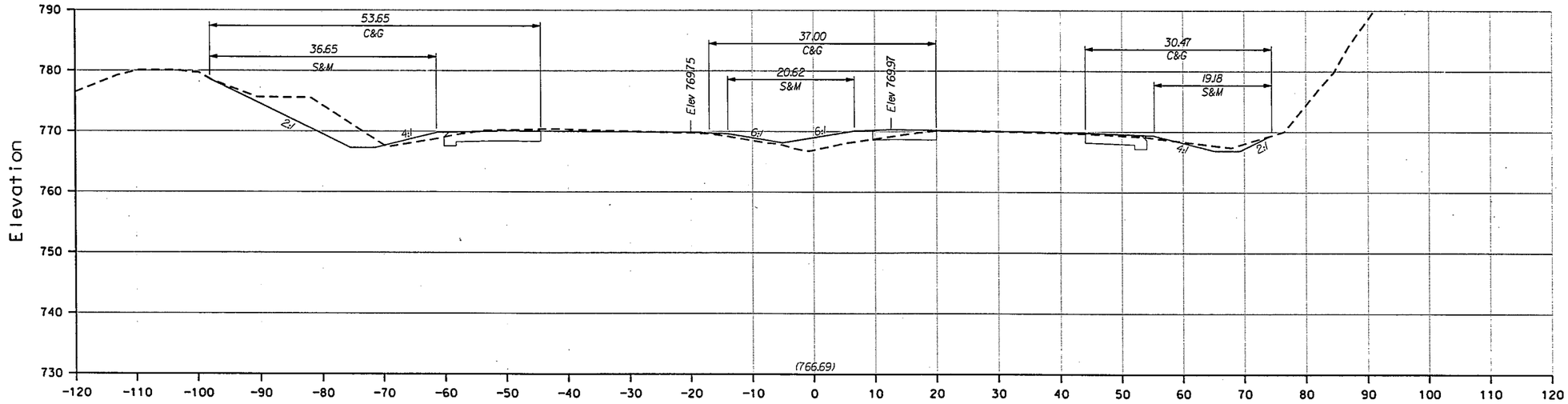
CROSS-SECTIONS

Sta. 158+00 to Sta. 158+50

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	131	265



159+50



159+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
159+00.		76.45		121.12		127.53		35.0				37.25		0.0			
	50		3562.8		5899.0		232.8		66.6				64.2		0.0		
159+50.		66.06		114.84		23.86		36.9				32.13		0.0			
	50		3436.5		5978.0		250.		59.4				45.9		0.0		

SCALES

10 ft. 0 — 0 10 ft.

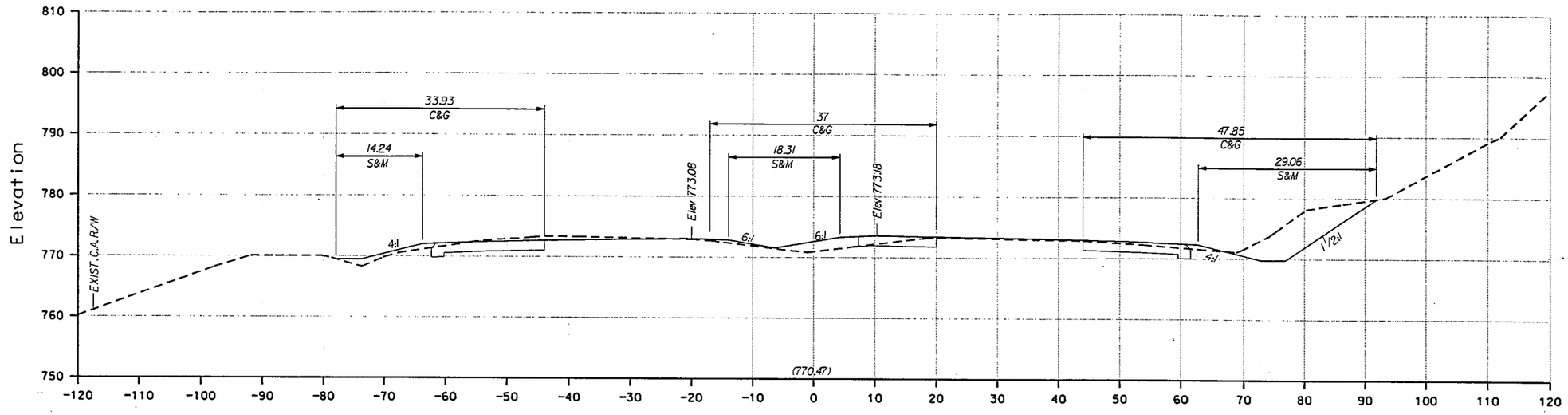
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

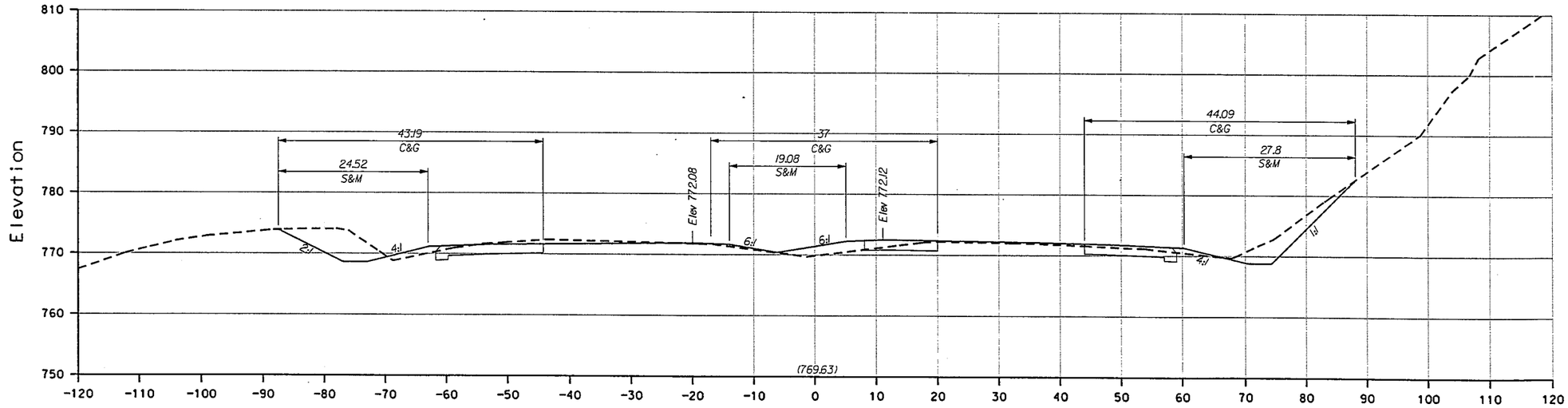
CROSS-SECTIONS

Sta. 159+00 to Sta. 159+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	132	265



160+50



160+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
160+00.		71.4		124.28		146.6		42.0				32.42		0.0			
	50		3325.3		5228.3		267.0		72.8				63.4		0.0		
160+50.		61.61		84.85		141.77		36.7				36		0.0			
	50		3159.3		5335.0		366.7		79.4				98.2		86.6		

SCALES

10 ft. 0 — 0 10 ft.

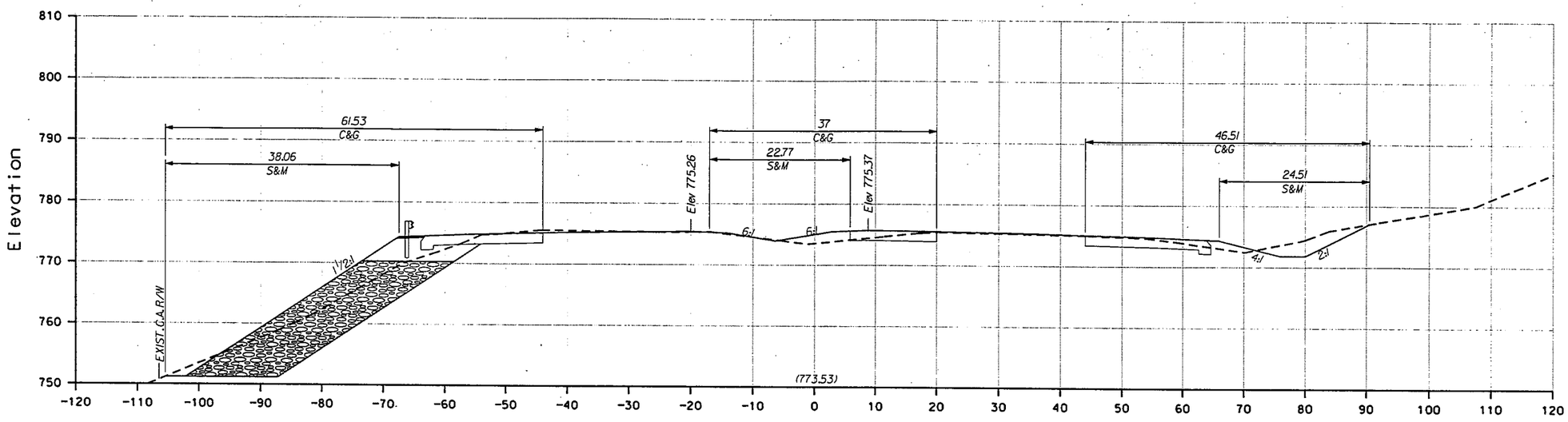
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

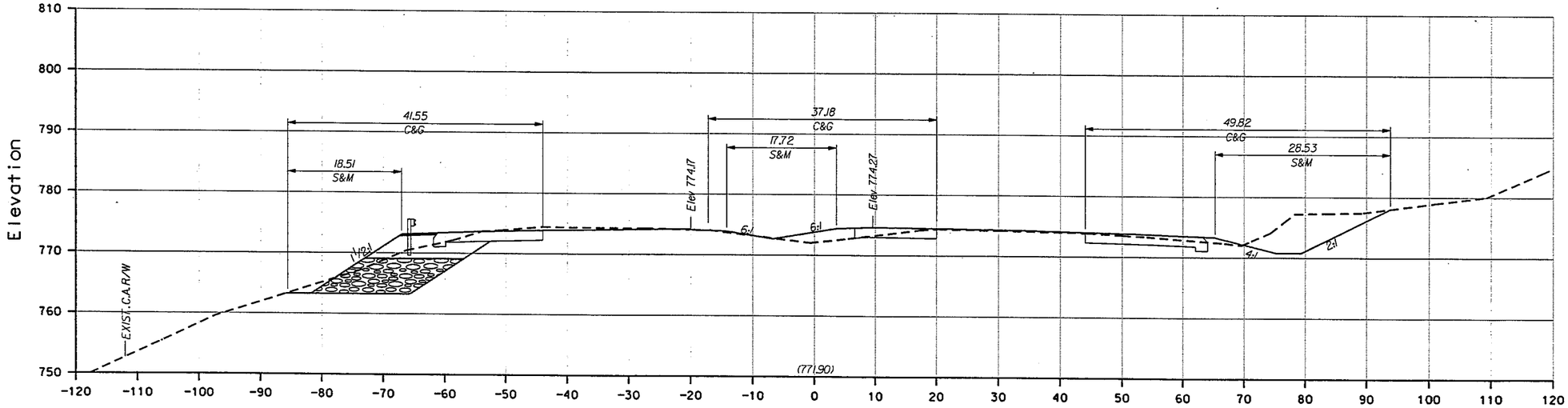
CROSS-SECTIONS

Sta. 160+00 to Sta. 160+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	133	265



161+50



161+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
161+00.		64.76		128.55		254.3		49.1				70.03		93.5			
	50		3752.5		6839.8		534.7		99.4				123.0		352.2		
161+50.		85.34		145.04		323.15		58.3				62.86		286.85			
	50		6914.3		7089.3		620.1		104.8				110.7		510.1		

10 ft.
SCALES
0 10 ft. 0

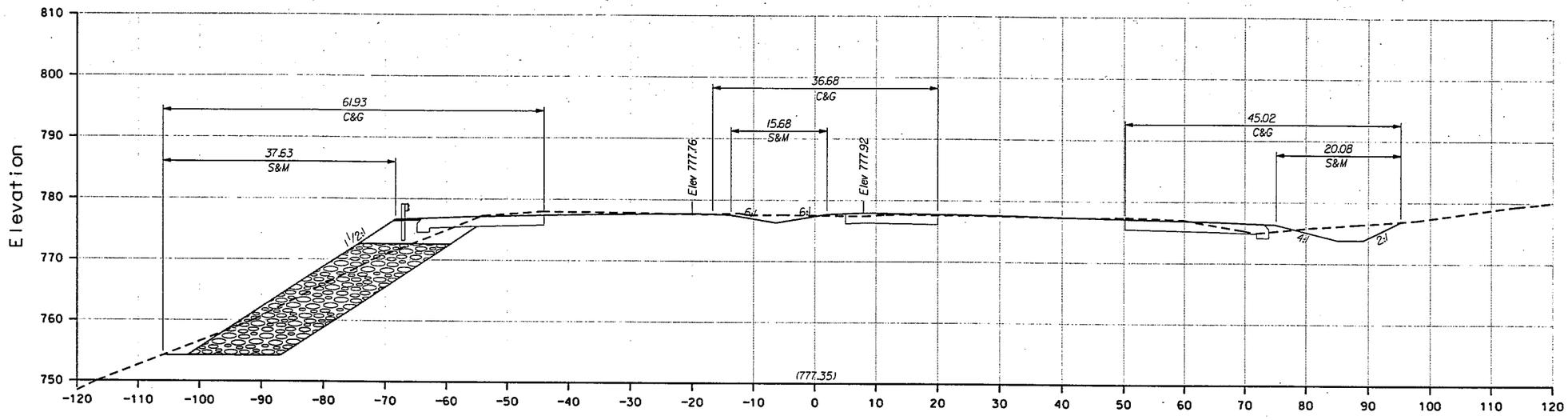
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

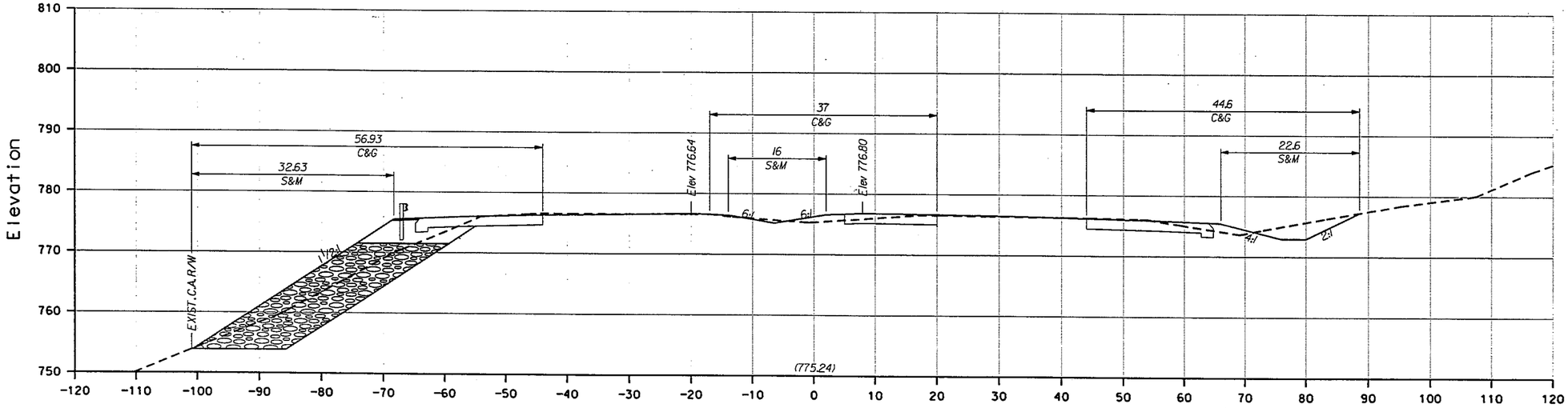
CROSS-SECTIONS

Sta. 161+00 to Sta. 161+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	134	265



162+50



162+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
162+00.		71.23		138.53		347.2		54.9				56.7		264.0			
	50		3615.5		7054.0		627.0		113.9				97.2		500.0		
162+50.		73.39		143.63		329.98		68.1				48.3		275.9			
	50		2702.8		5066.3		538.		90.4				85.5		456.0		

SCALES
10 ft.
0 10 ft. 0

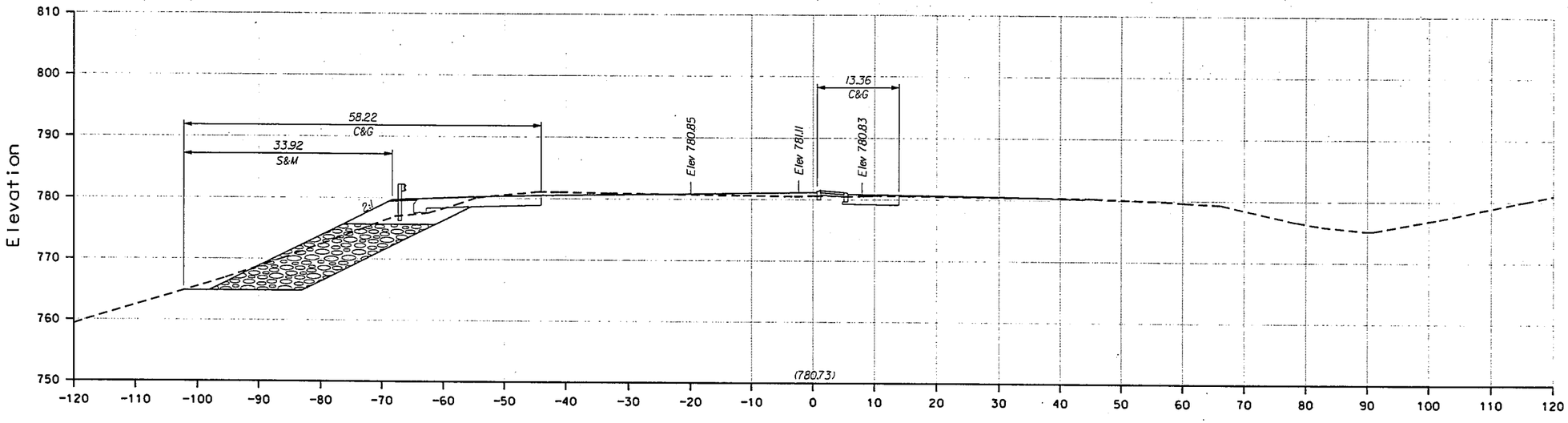
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

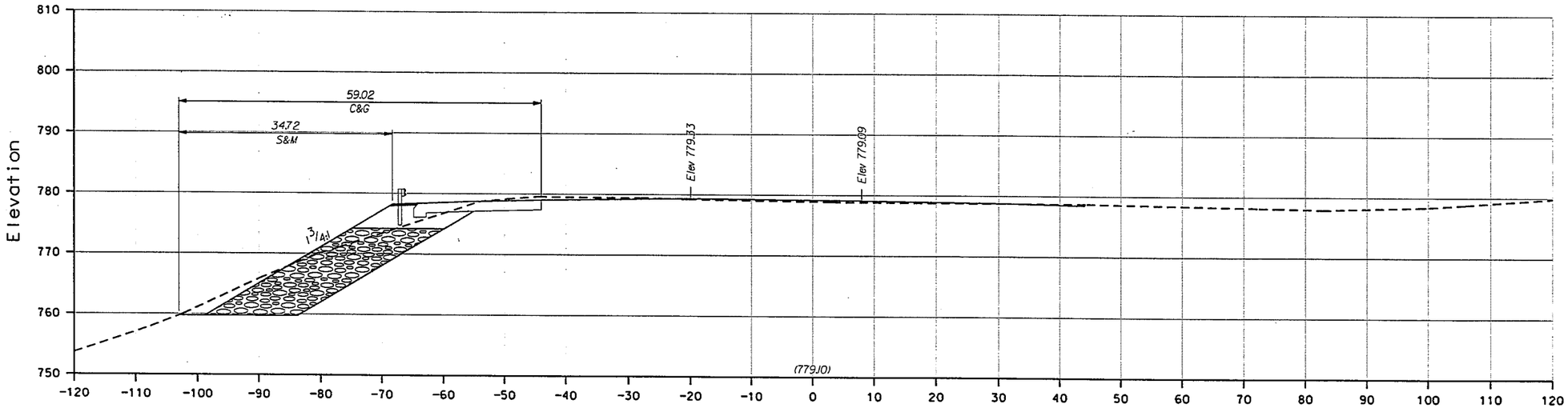
CROSS-SECTIONS

Sta. 162+00 to Sta. 162+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	135	265



163+50



163+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
163+00.		34.72		59.02		251.16		29.5				44.08		216.6			
	50		1716.0		3265.0		422.		58.5				87.5		351.7		
163+50.		33.92		71.58		205.04		33.7				50.43		163.3			
	50		1629.8		3804.3		373.5		70.0				93.9		284.9		

SCALES

10 ft.

0 10 ft. 0

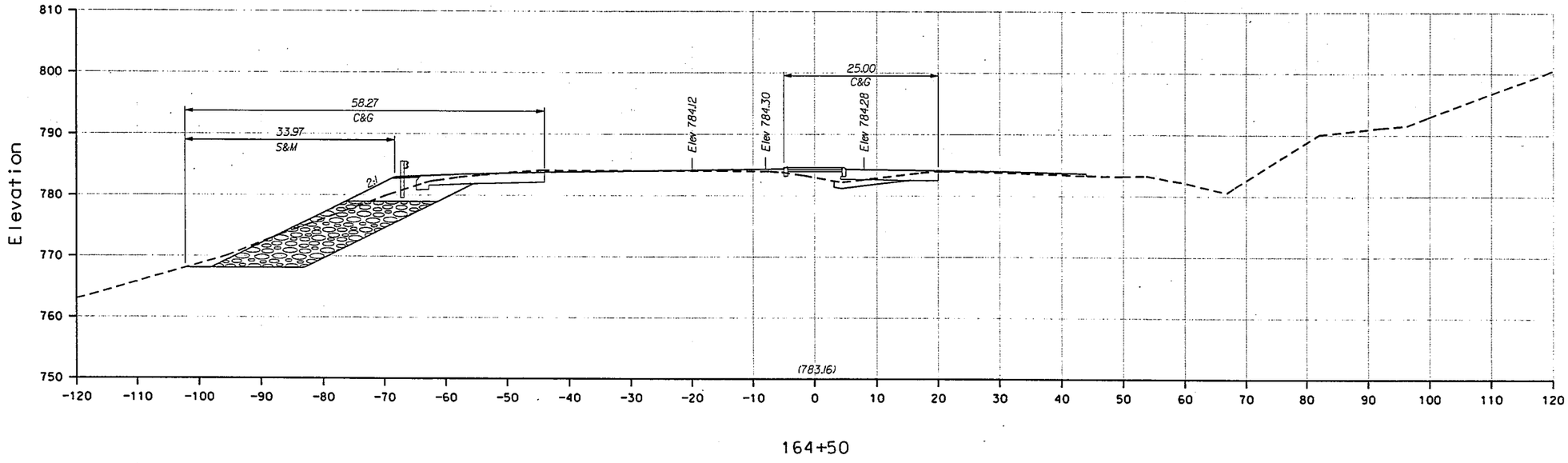
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

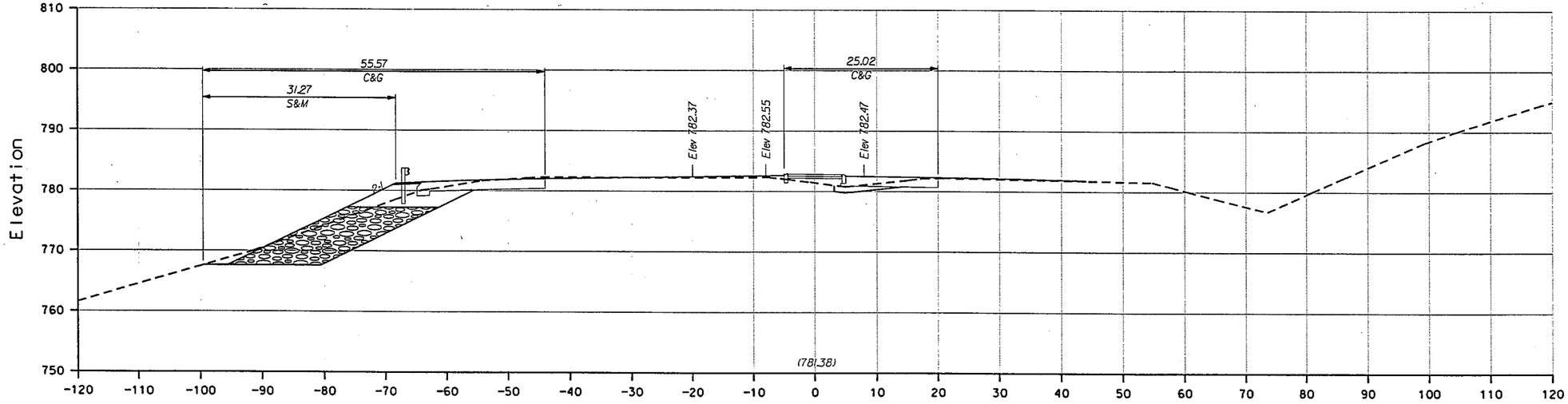
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 163+00 to Sta. 163+50

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	136	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
164+00.		31.27		80.59		198.34		41.9				51.01		144.3			
	50		1631.0		4096.9		389.0		79.6				98.8		285.0		
164+50.		33.97		83.27		221.76		44.1				55.74		163.4			
	50		1698.8		4327.8		422.0		85.5				108.7		304.9		

SCALES
10 ft.
0 10 ft. 0

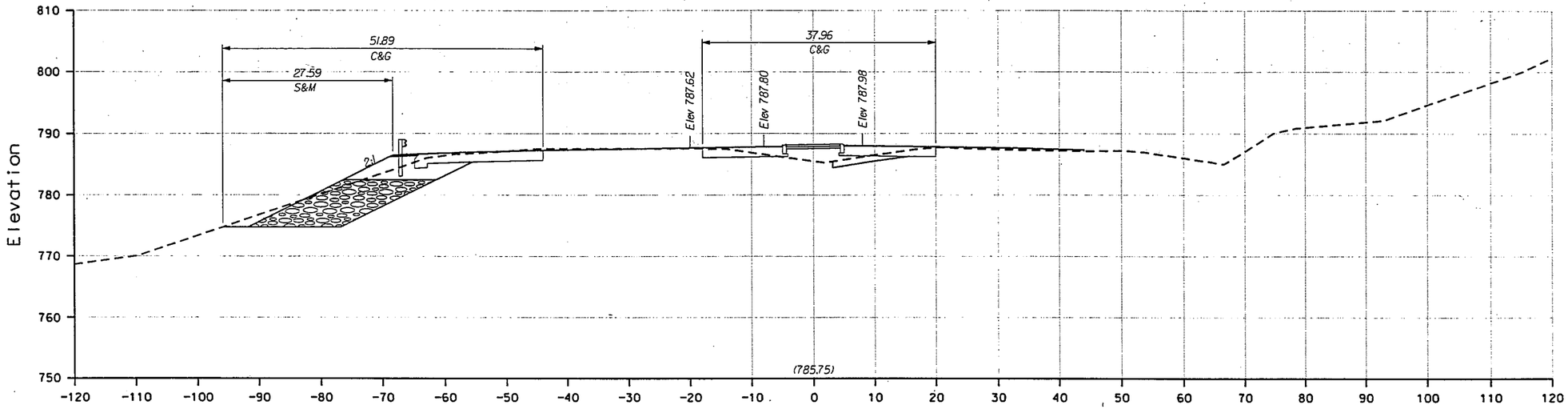
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

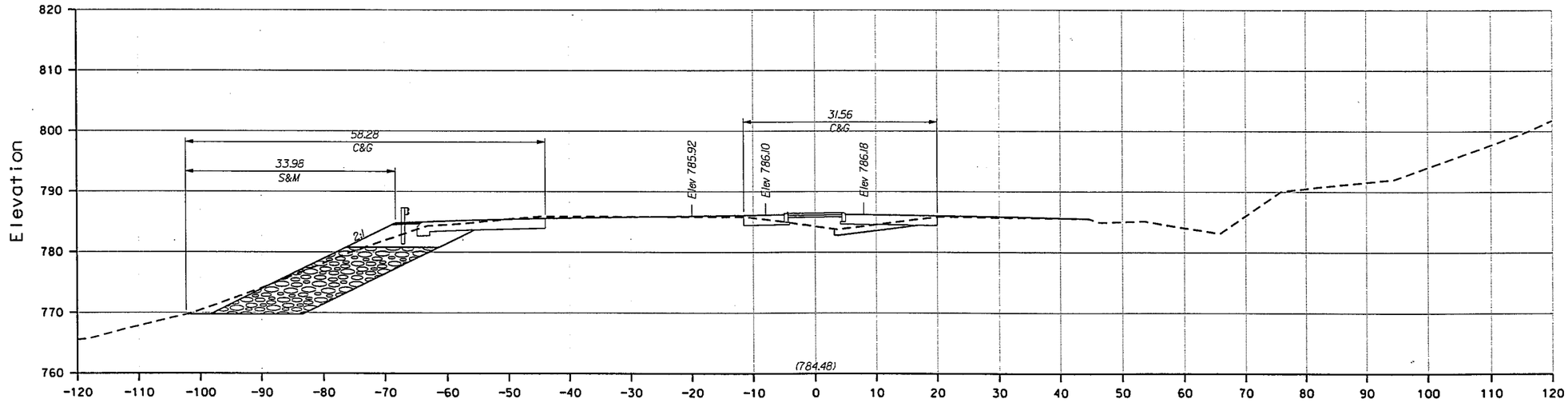
CROSS-SECTIONS

Sta. 164+00 to Sta. 164+50

Public Access Rte.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	137	265



165+50



165+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
165+00.		33.98		89.84		233.98		48.3				61.67		165.4			
	50		1539.3		4492.3		398.9		88.5				117.2		260.2		
165+50.		27.59		89.85		196.87		47.3				64.95		115.7			
	50		1391.5		4555.5		365.6		78.6				124.3		217.0		

10 ft.
SCALES
0 10 ft. 0

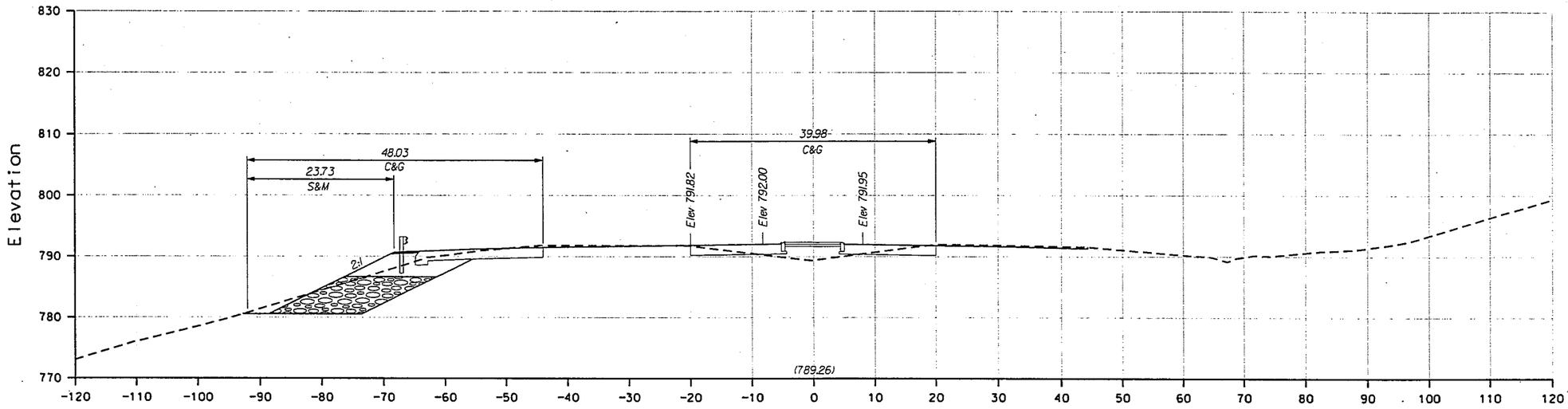
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

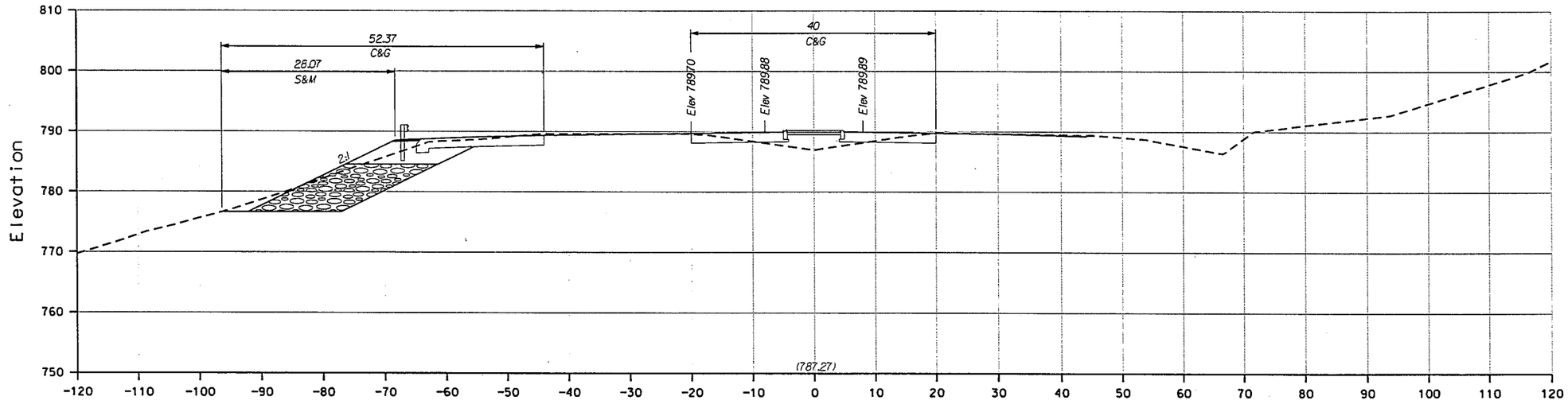
CROSS-SECTIONS

Sta. 165+00 to Sta. 165+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	138	265



166+50



166+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
166+00.		28.07		92.37	.	197.97		37.6				69.24		18.7			
	50		1295.0		4509.5		335.0		68.3				125.5		195.0		
166+50.		23.73		88.01		163.84		36.2				66.25		91.9			
	50		1154.3		4369.8		283.7		64.7				27.2		142.6		

SCALES

10 ft. 0 0 10 ft.

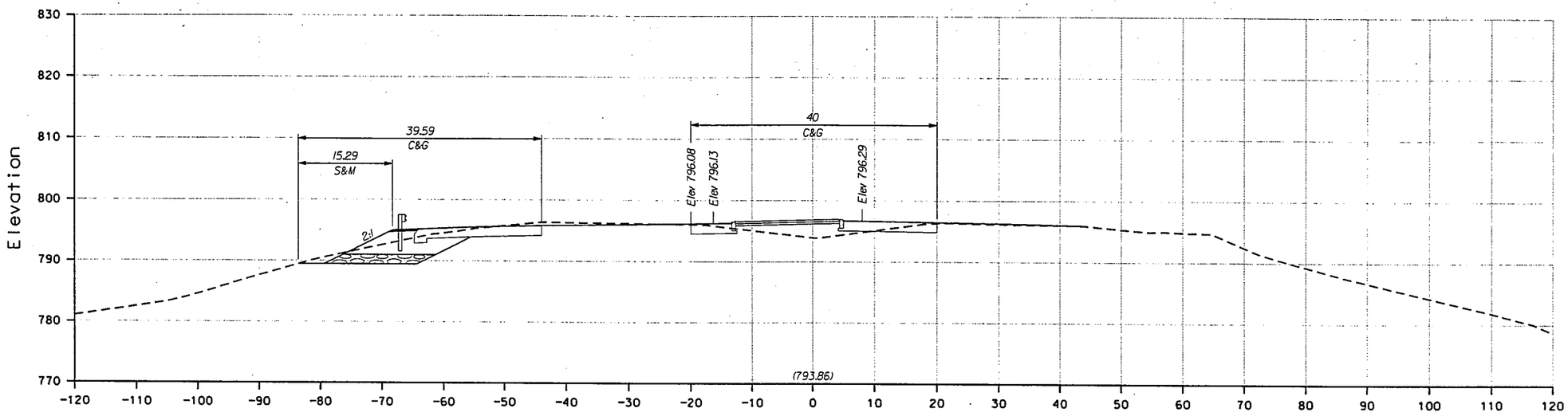
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

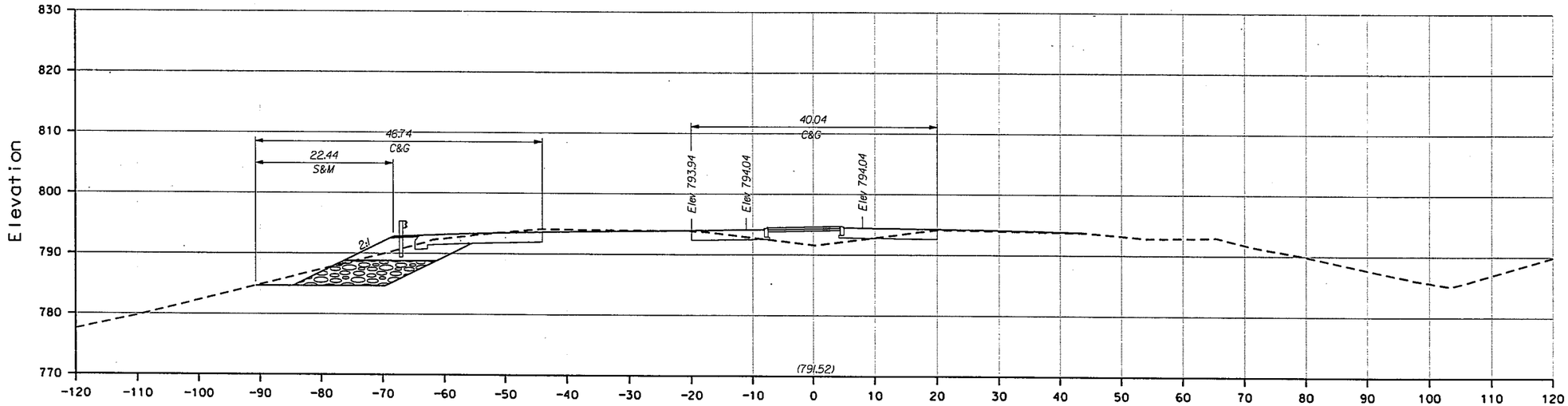
CROSS-SECTIONS

Sta. 166+00 to Sta. 166+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	139	265



167+50



167+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
167+00.		22.44		86.78		142.54		33.7				71.13		62.2			
	50		943.3		4159.3		230.5		57.9				127.0		79.0		
167+50.		15.29		79.59		106.39		28.9				66.07		23.1			
	50		760.0		3974.8		195.8		51.8				21.0		42.9		

SCALES

10 ft. 0 0 10 ft.

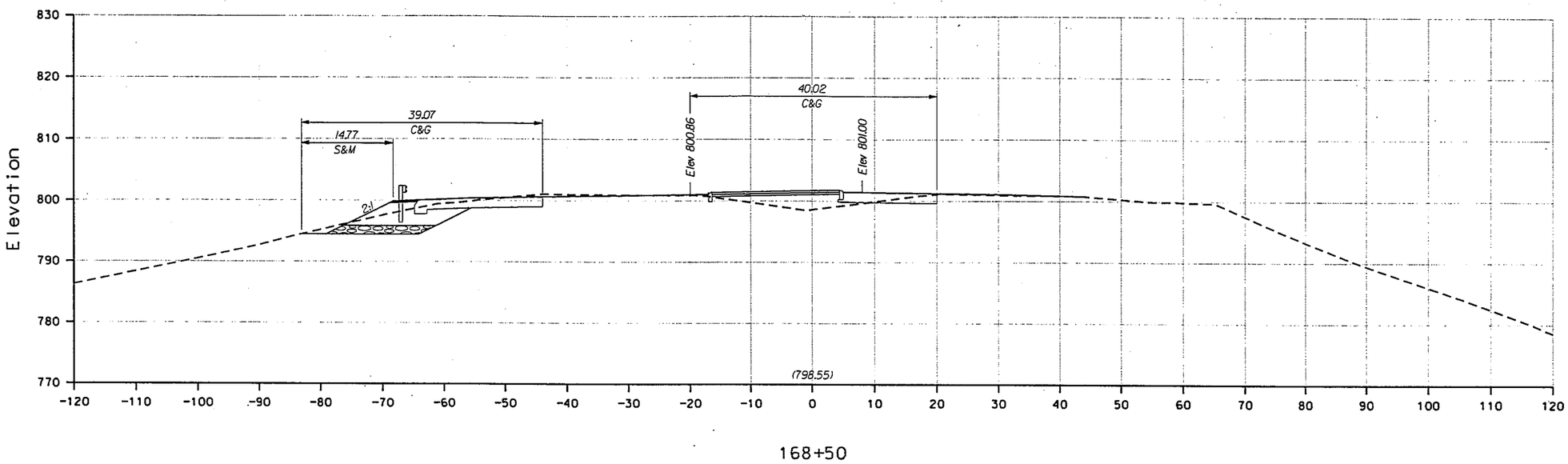
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

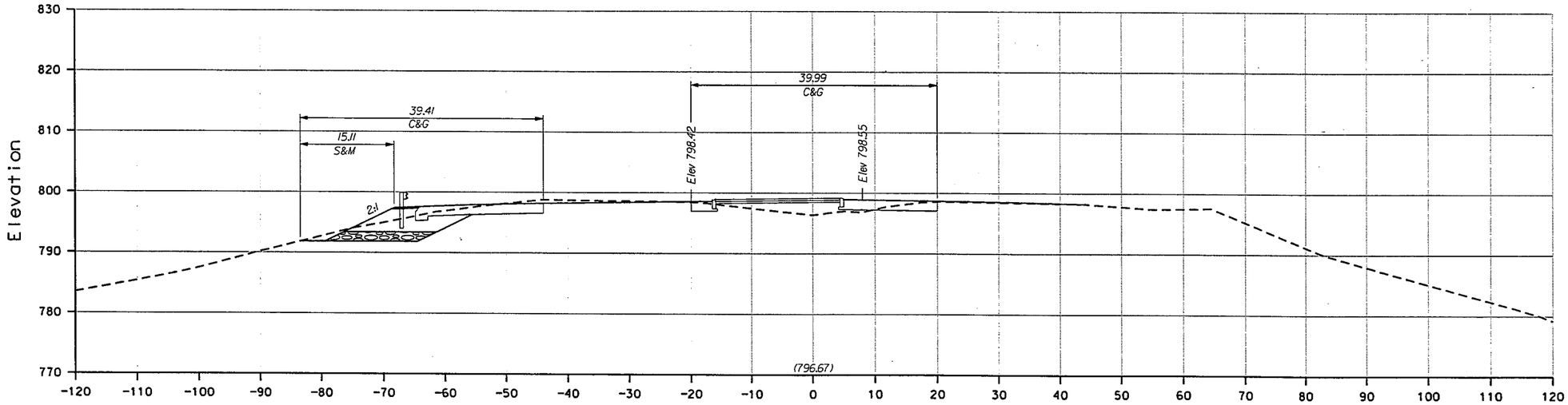
CROSS-SECTIONS

Sta. 167+00 to Sta. 167+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	140	265



168+50



168+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH - (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED		UNSUITABLE		----------		UNCLASSIFIED		SELECT		----------	
						(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
168+00.		15.11		79.4		105.11		27.0				64.56		23.3			
	50		747.0		3962.3		192.0		61.0				33.5		40.7		
168+50.		14.77		79.09		102.23		38.9				79.6		20.7			
	50		751.3		3966.3		193.3		60.6				150.5		40.1		

SCALES
10 ft.
0 10 ft. 0

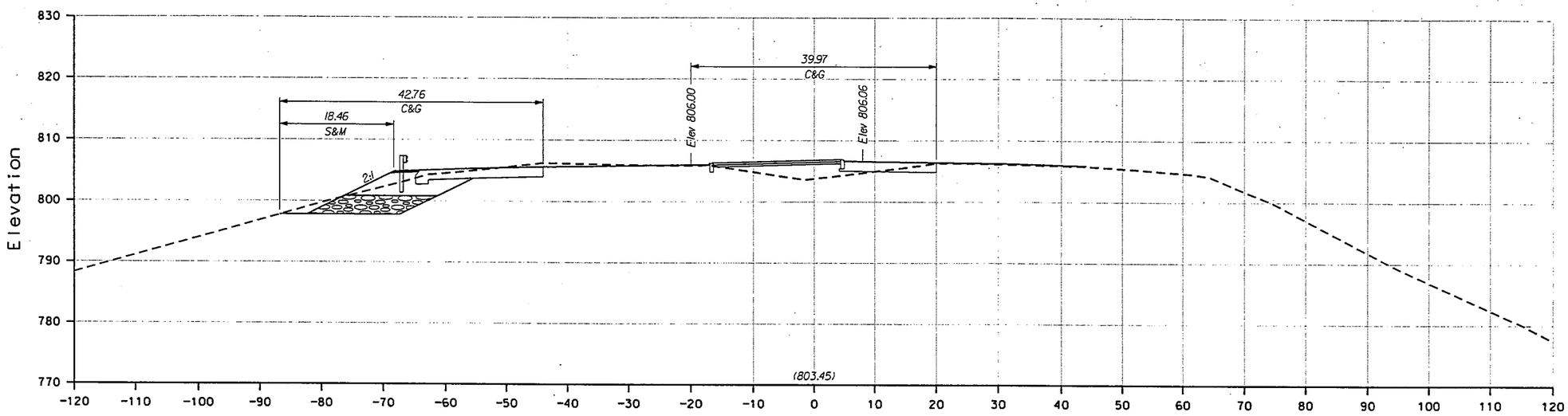
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

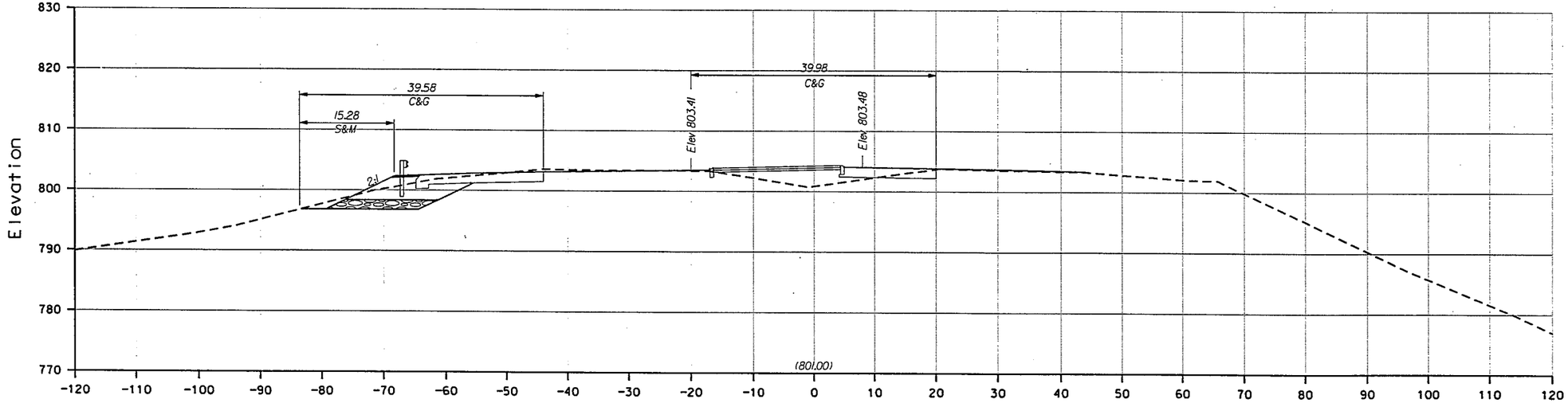
CROSS-SECTIONS

Sta. 168+00 to Sta. 168+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	141	265



169+50



169+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
169+00.		15.28		79.56		106.52		26.5				82.98		22.6			
	50		843.5		4057.3		215.5		50.6				149.4		62.9		
169+50.		18.46		82.73		126.18		28.1				78.34		45.4			
	50		1358.8		4573.0		381.		60.4				145.4		239.		

SCALES
10 ft.
0 10 ft. 0

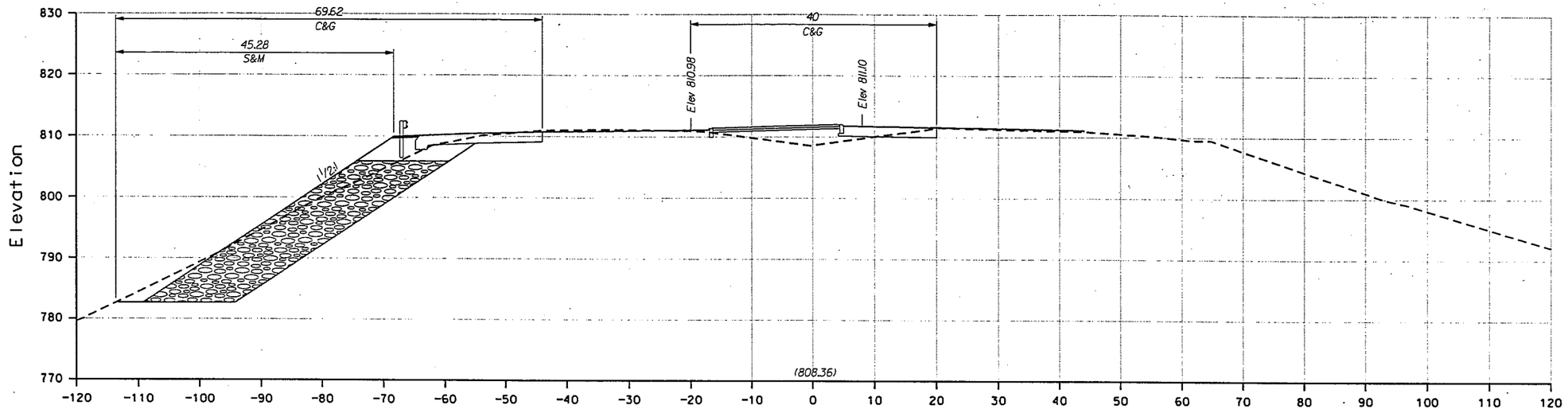
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

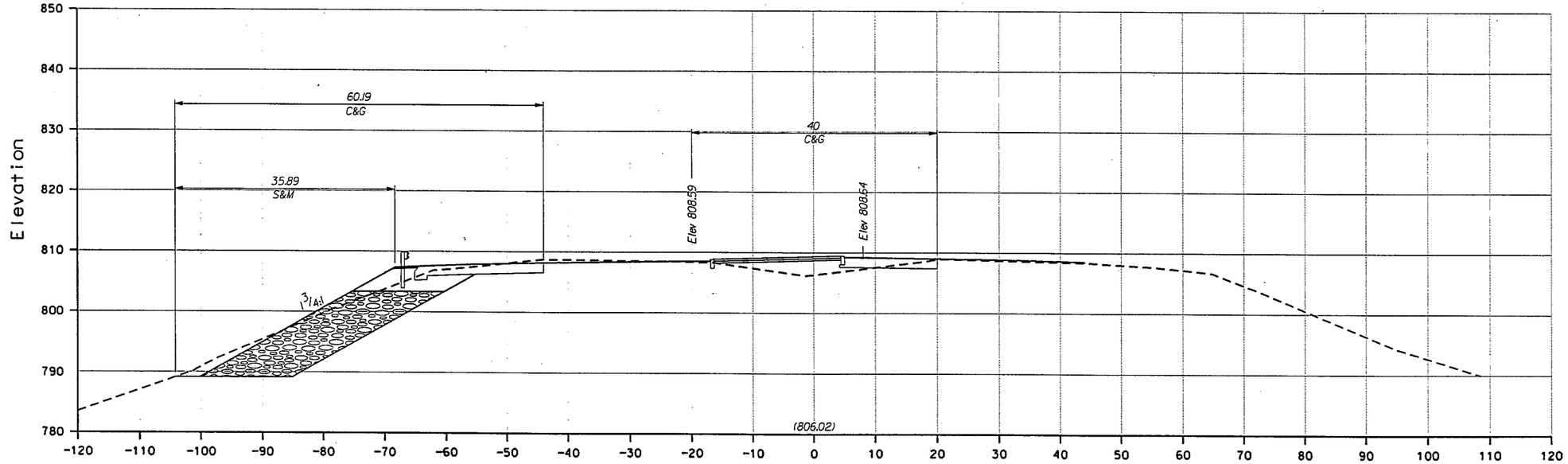
CROSS-SECTIONS

Sta. 169+00 to Sta. 169+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	142	265



170+50



170+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
170+00.		35.89		100.19		285.58		37.1				78.67		212.9			
	50		2029.3		5245.3		617.7		72.9				149.2		520.3		
170+50.		45.28		109.62		681.56		41.6				82.44		349.1			
	50		2306.5		5521.5		703.		78.6				153.2		664.6		

SCALES
10 ft.
0 10 ft. 0

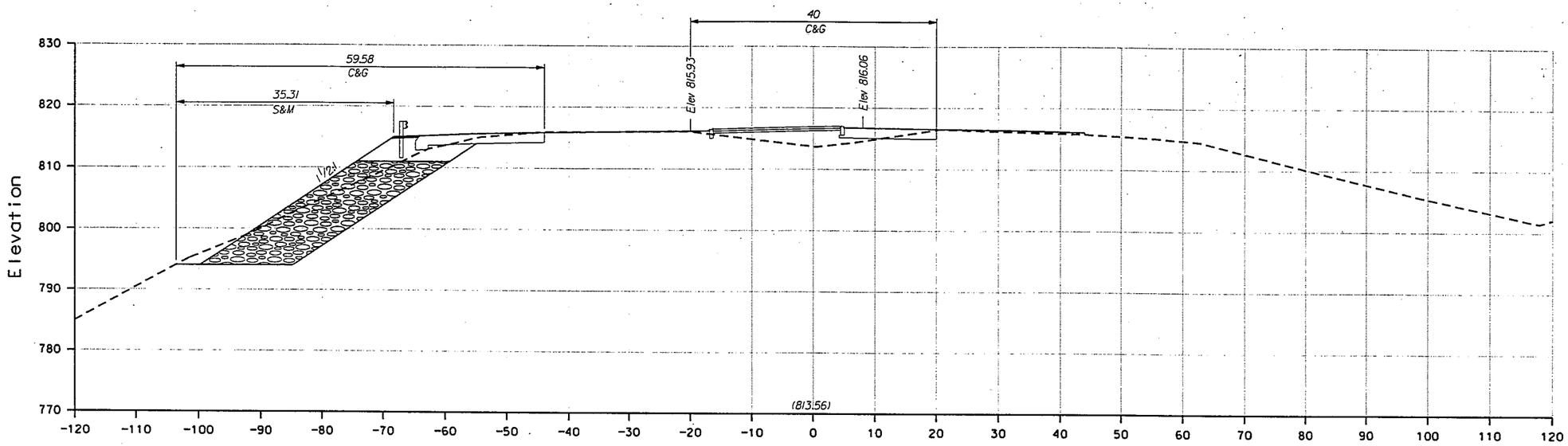
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

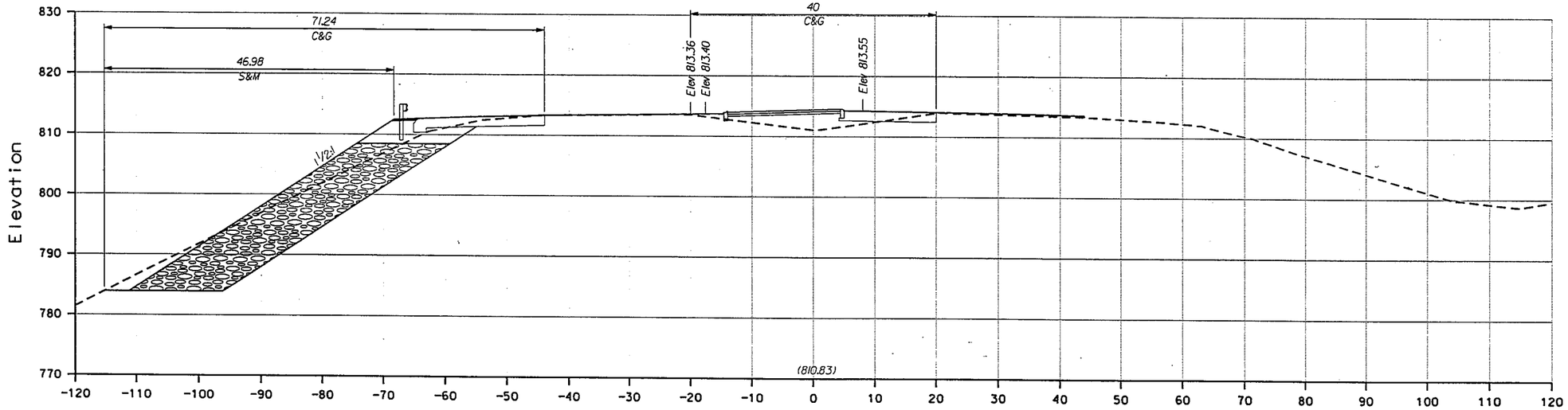
CROSS-SECTIONS

Sta. 170+00 to Sta. 170+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	143	265



171+50



171+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
171+00.		46.98		111.24		377.84		43.2				83.04		368.7			
	50		2057.3		5270.5		597.9		73.5				53.7		577.2		
171+50.		35.31		99.58		267.88		36.2				82.99		254.7			
	50		1916.3		5055.5		567.8		68.6				49.6		521.1		

SCALES
10 ft.
0 10 ft. 0

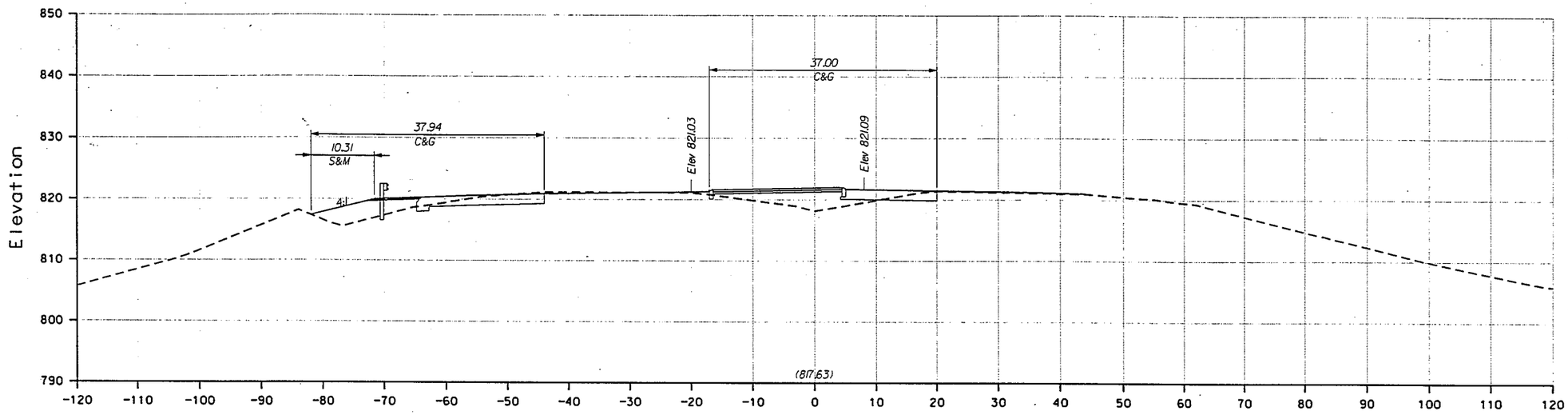
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

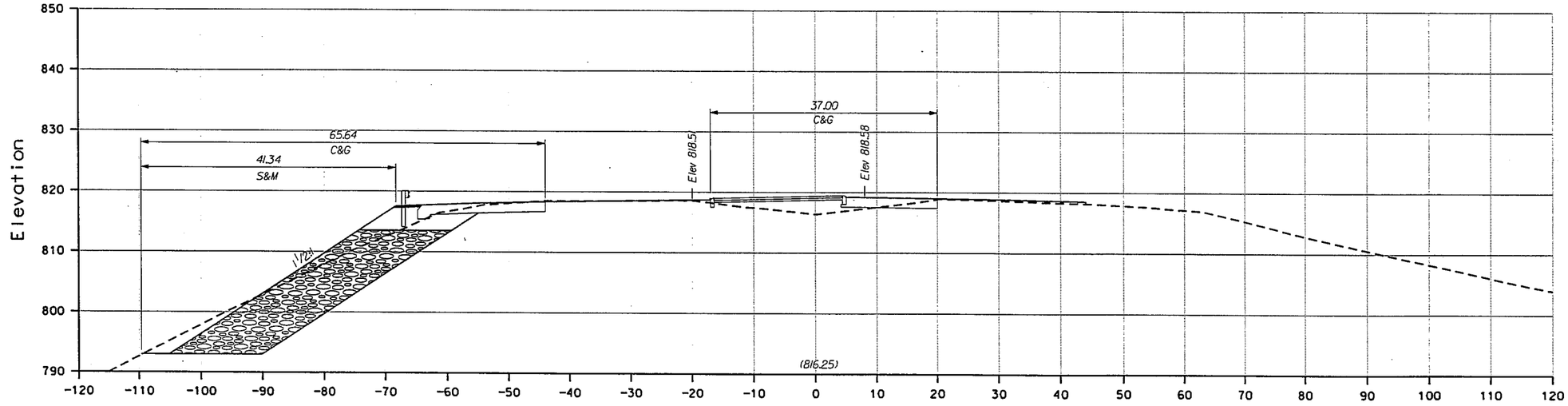
CROSS-SECTIONS

Sta. 171+00 to Sta. 171+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00		2001	KANAWHA	144	265



172+50



172+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
172+00.		41.34		102.64		345.36		37.9				78.53		808.1			
	50		291.3		4439.5		350.6		49.0				146.8		285.3		
172+50.		10.31		74.94		33.27		15.				80.04		0.0			
	50		869.5		4186.0		123.4		38.8				24.8		0.0		

SCALES

10 ft. 0 10 ft. 0

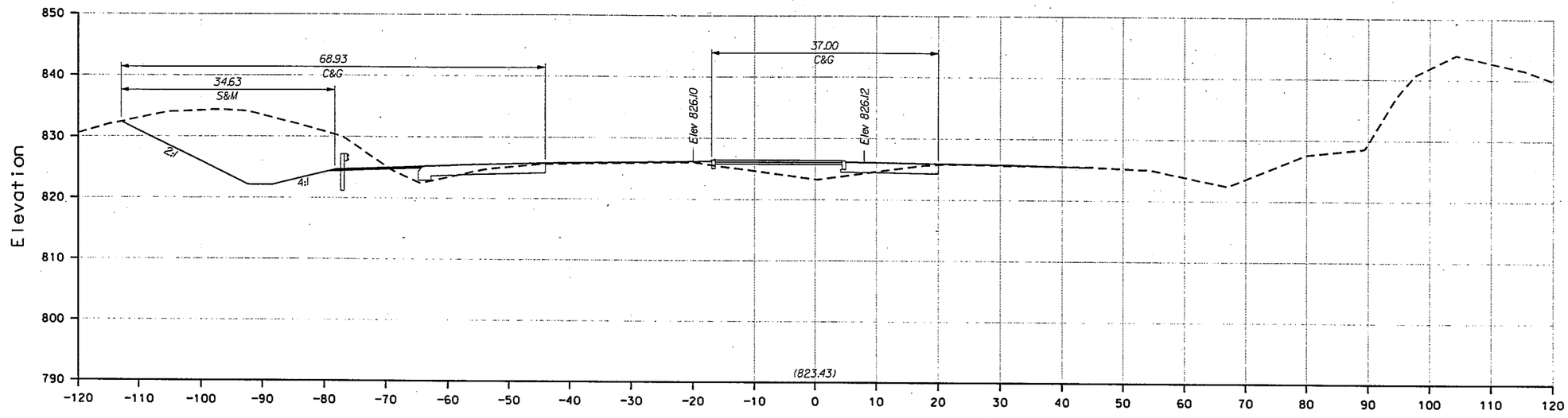
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

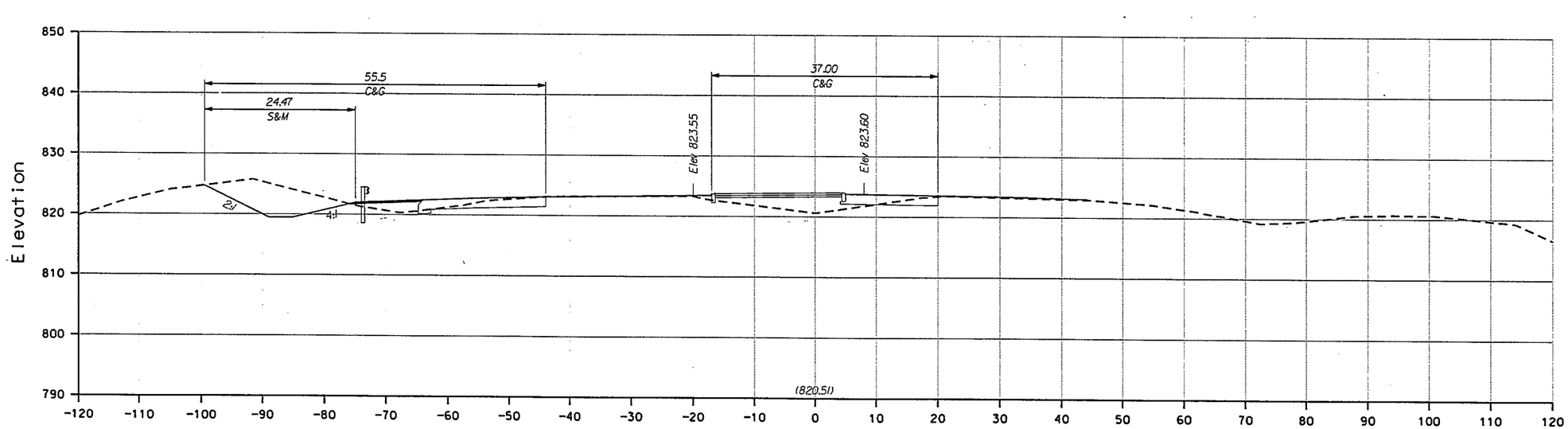
CROSS-SECTIONS

Sta. 172+00 to Sta. 172+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	145	265



173+50



173+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
173+00.		24.47		92.5		99.98		26.9				54.78		0.0			
	50		1477.5		4960.8		345.9		55.5				73.6		0.0		
173+50.		34.63		105.93		273.55		33.1				132.7		0.0			
	50		1215.8		5051.3		445.4		59.3				155.5		0.0		

SCALES
10 ft.
0 10 ft. 0

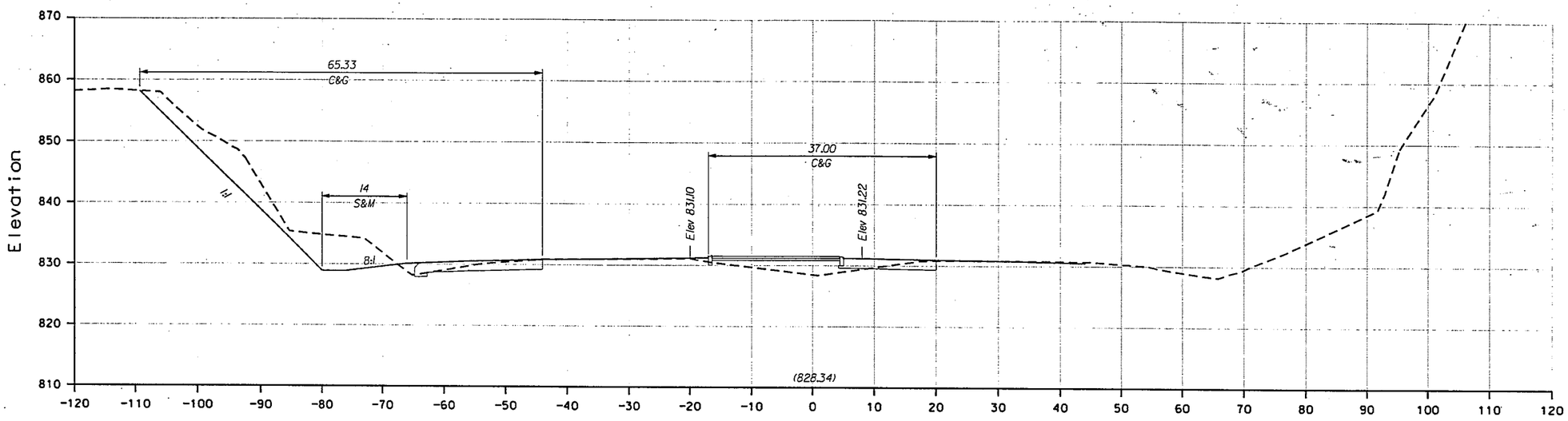
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

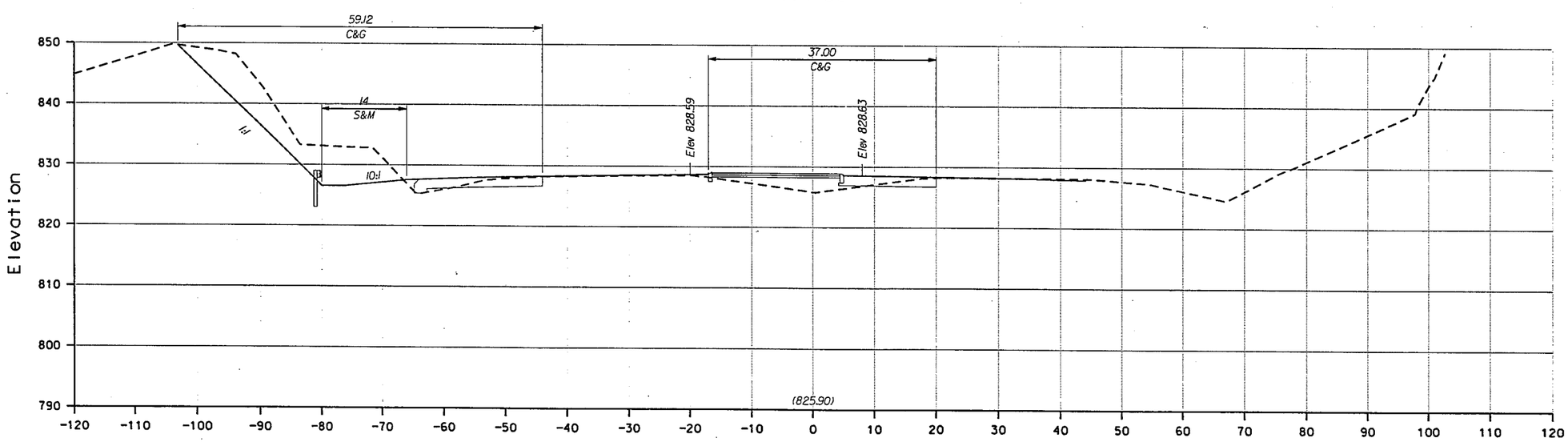
CROSS-SECTIONS

Sta. 173+00 to Sta. 173+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	146	265



174+50



174+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
174+00.		14		96.12		207.52		30.9				35.28		0.0			
	50		700.0		4961.3		365.2		62.8				67.4		0.0		
174+50.		14		102.33		186.91		36.9				37.52		0.0			
	50		700.0		5185.8		483.4		69.7				66.6		0.0		

SCALES
10 ft.
0 10 ft. 0

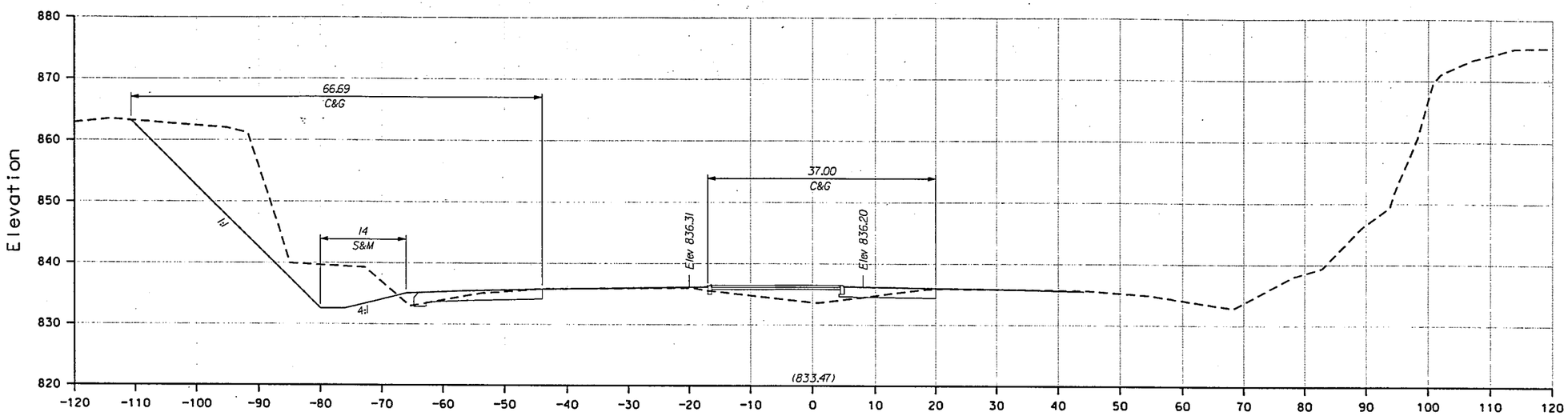
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

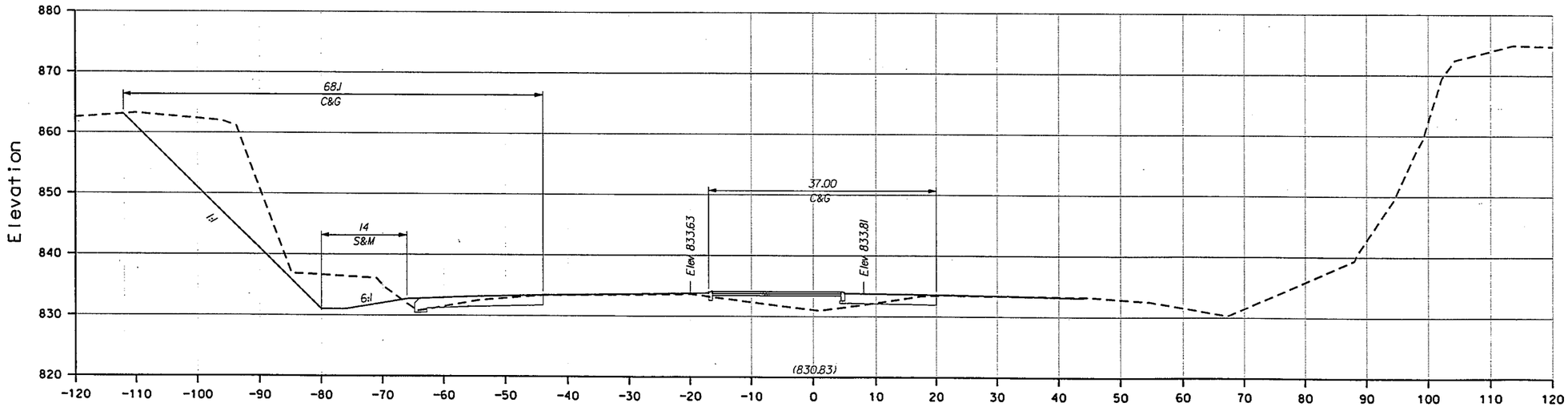
CROSS-SECTIONS

Sta. 174+00 to Sta. 174+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	147	265



175+50



175+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
175+00.		14		105.1		335.16		38.5				34.45		0.0			
	50		700.0		5219.8		408.2		70.7				63.1		0.0		
175+50.		14		103.69		105.67		37.9				33.7		0.0			
	50		700.0		4578.3		181.0		57.6				66.0		0.0		

SCALES

10 ft. 0 10 ft. 0

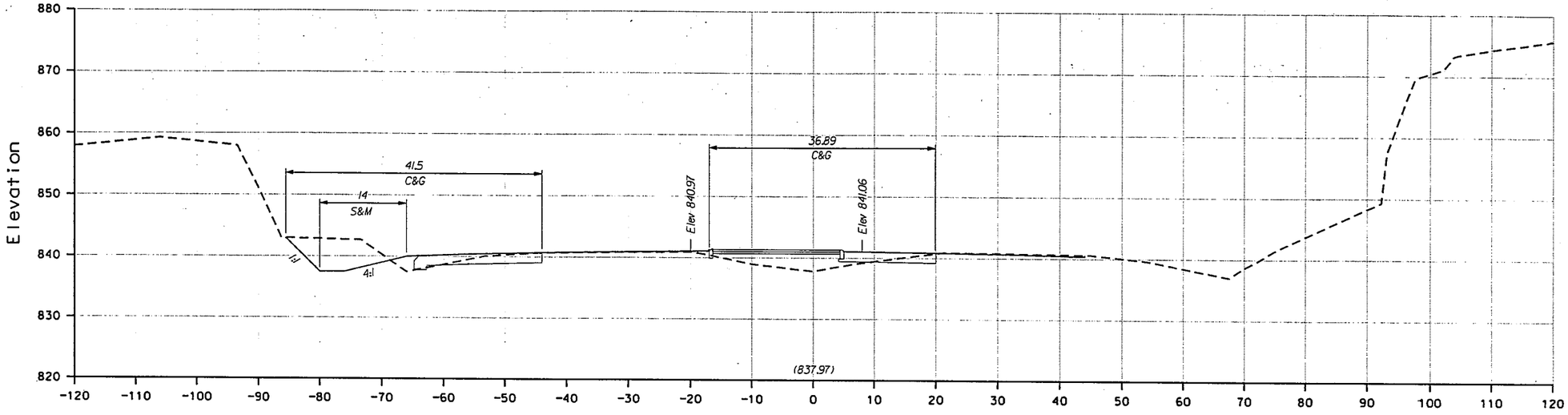
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

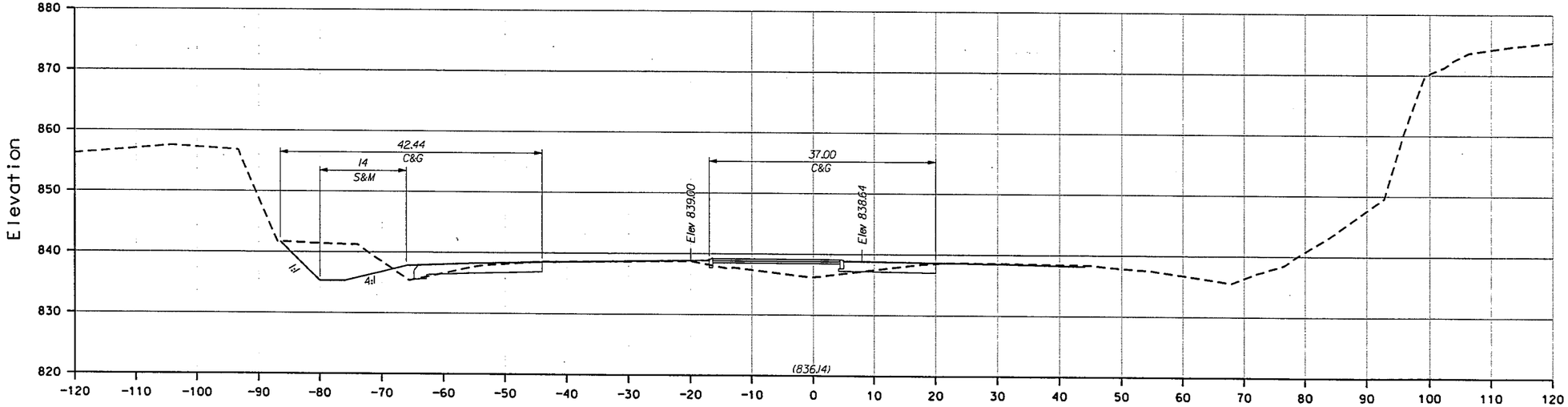
CROSS-SECTIONS

Sta. 175+00 to Sta. 175+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	148	265



176+50



176+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
176+00.		14		79.44		89.85		24.4				37.63		0.0			
	50		700.0		3945.8		155.5		44.8				80.0		0.0		
176+50.		14		78.39		78.06		24.0				48.82		0.0			
	50		700.0		3932.0		144.8		44.5				83.6		0.0		

SCALES
10 ft.
0 10 ft. 0

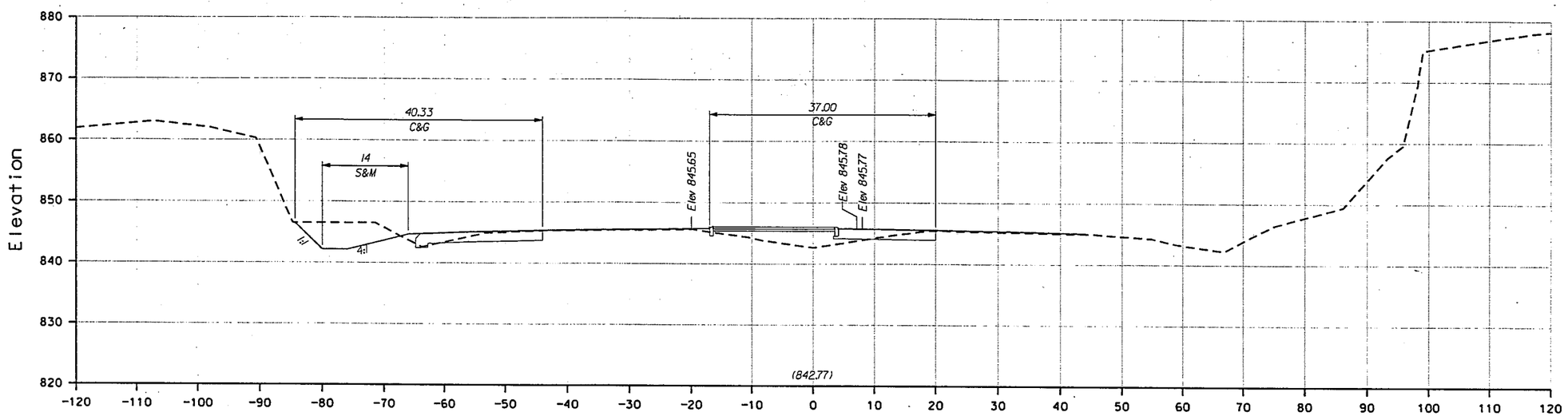
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

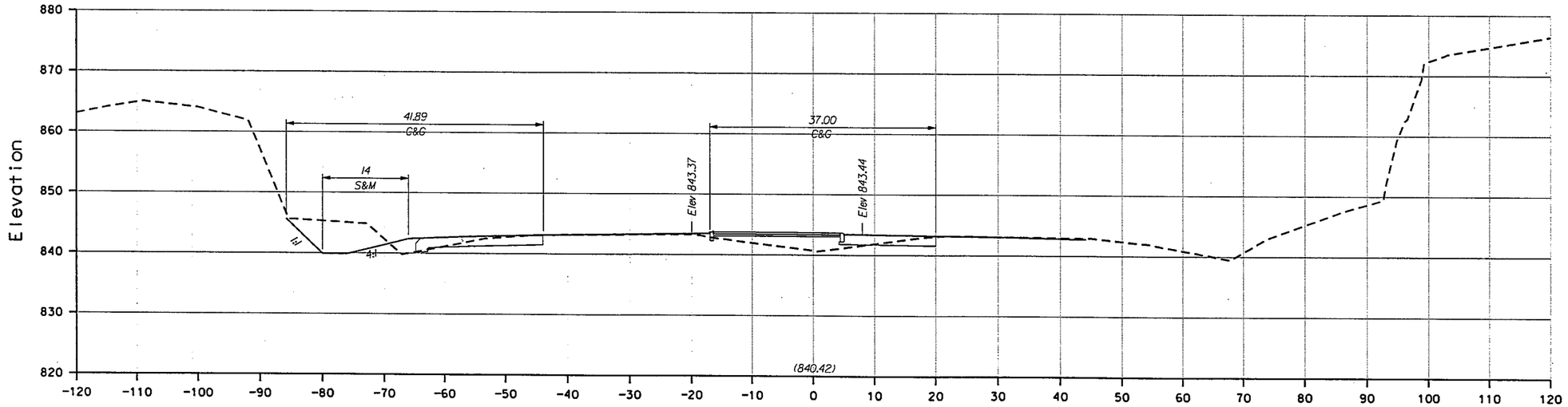
CROSS-SECTIONS

Sta. 176+00 to Sta. 176+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	149	265



177+50



177+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
177+00.		14		78.89		78.15		24.1				41.5		0.0			
	50		700.0		3905.5		142.0		44.8				73.8		0.0		
177+50.		14		77.33		75.25		24.4				38.21		0.0			
	50		700.0		3849.0		154.0		54.5				59.7		0.0		

SCALES

10 ft. 0 10 ft. 0

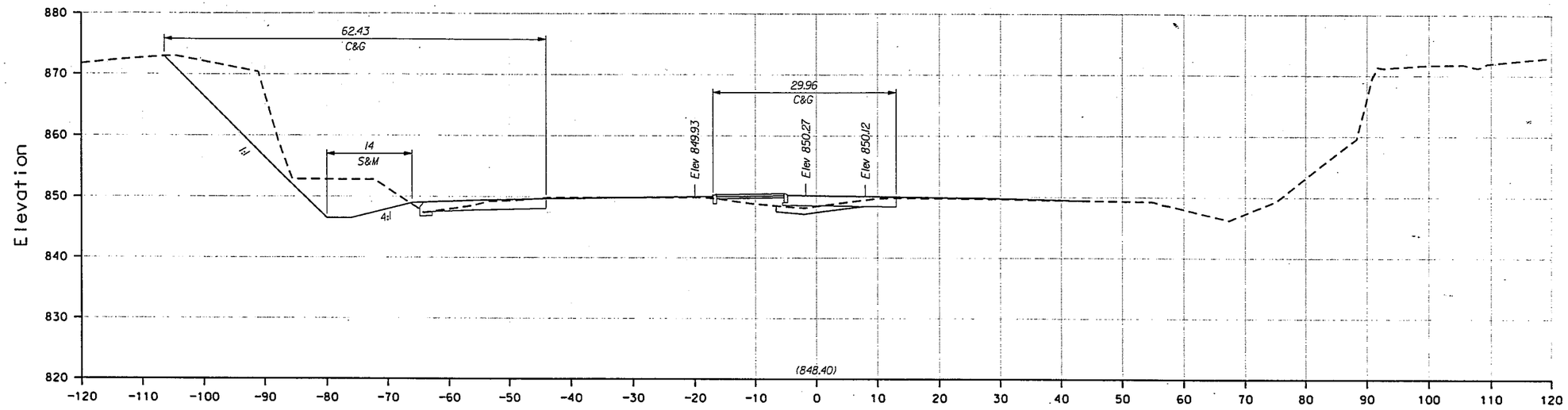
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

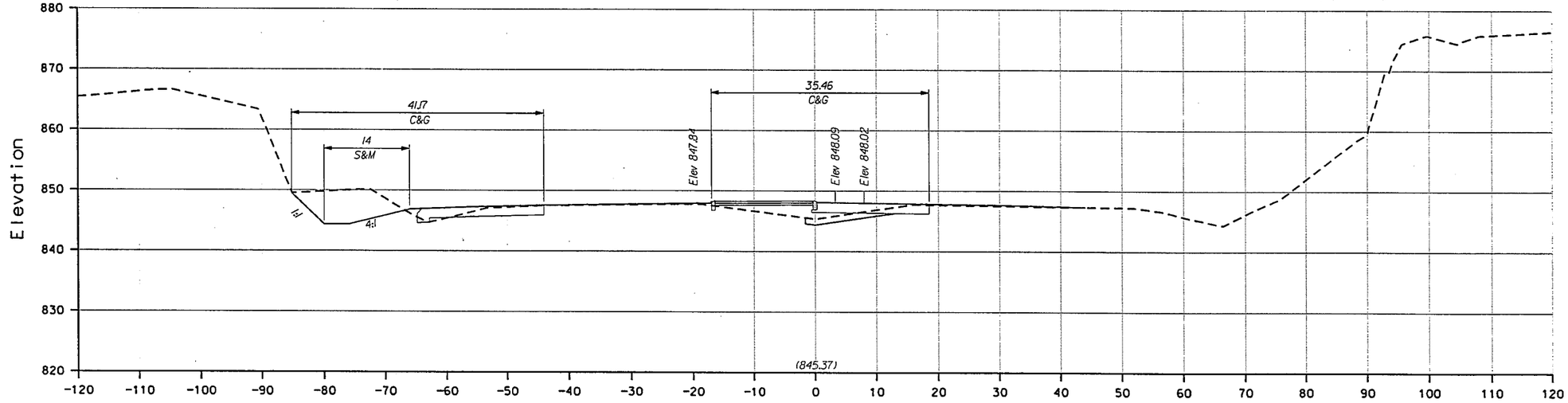
CROSS-SECTIONS

Sta. 177+00 to Sta. 177+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	150	265



178+50



178+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
178+00.		14		76.63		91.04		34.5				26.3		0.0			
	50		700.0		4225.5		181.8		76.0				35.0		0.0		
178+50.		14		92.39		105.27		47.7				11.45		0.0			
	50		700.0		4516.0		204.7		86.4				17.4		0.0		

SCALES
10 ft.
0 10 ft.
0

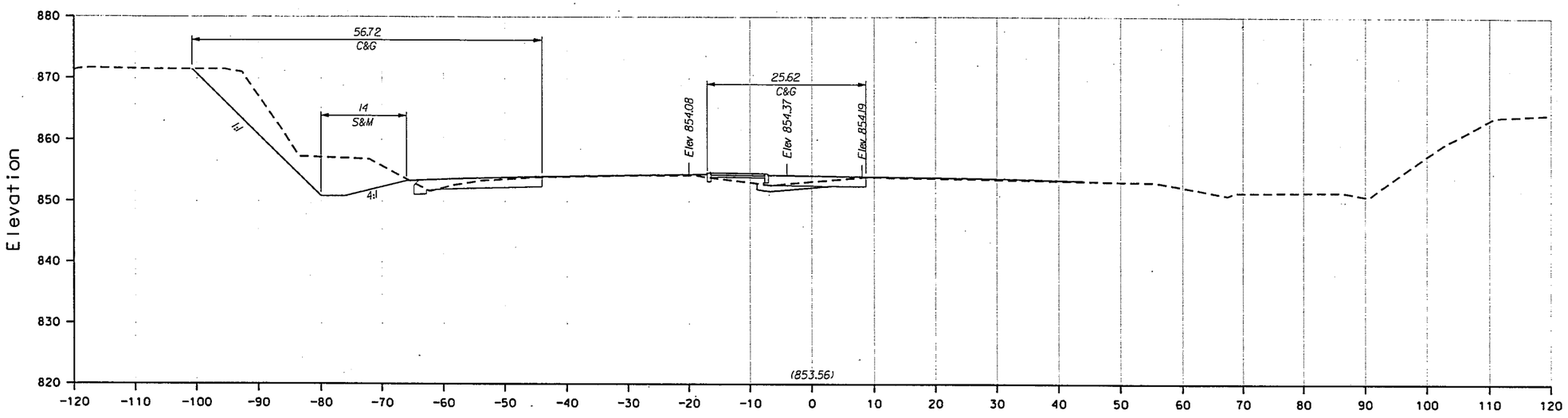
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

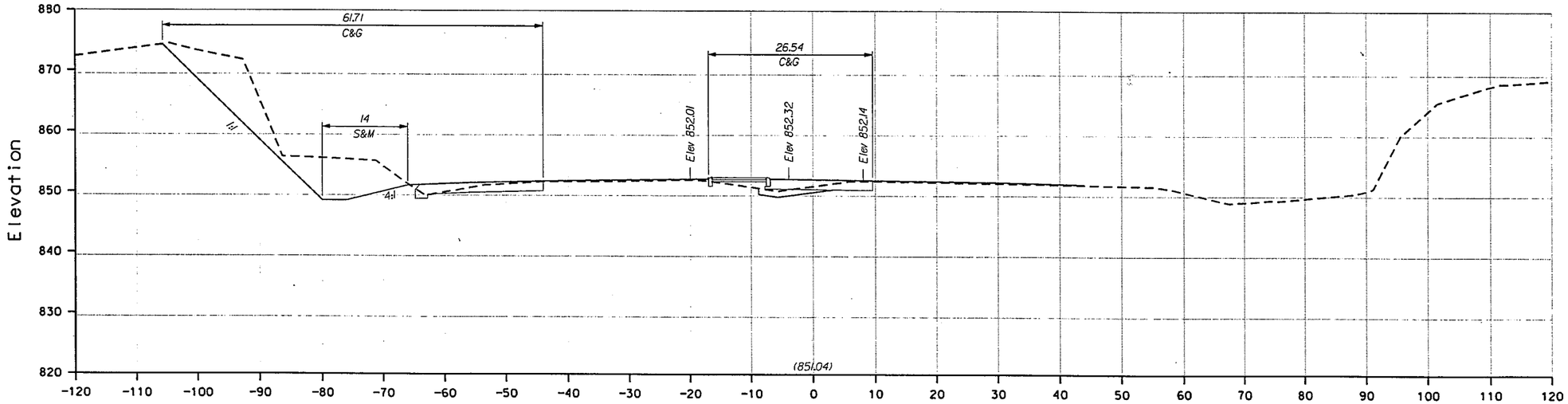
CROSS-SECTIONS

Sta. 178+00 to Sta. 178+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	151	265



179+50



179+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
179+00.		14		88.25		115.82		45.7				7.37		0.0			
	50		700.0		4264.8		206.7		81.8				12.3		0.0		
179+50.		14		82.34		107.42		42.7				5.89		0.0			
	50		956.3		3633.0		176.2		59.5				37.0		0.0		

SCALES
10 ft.
0 10 ft. 0

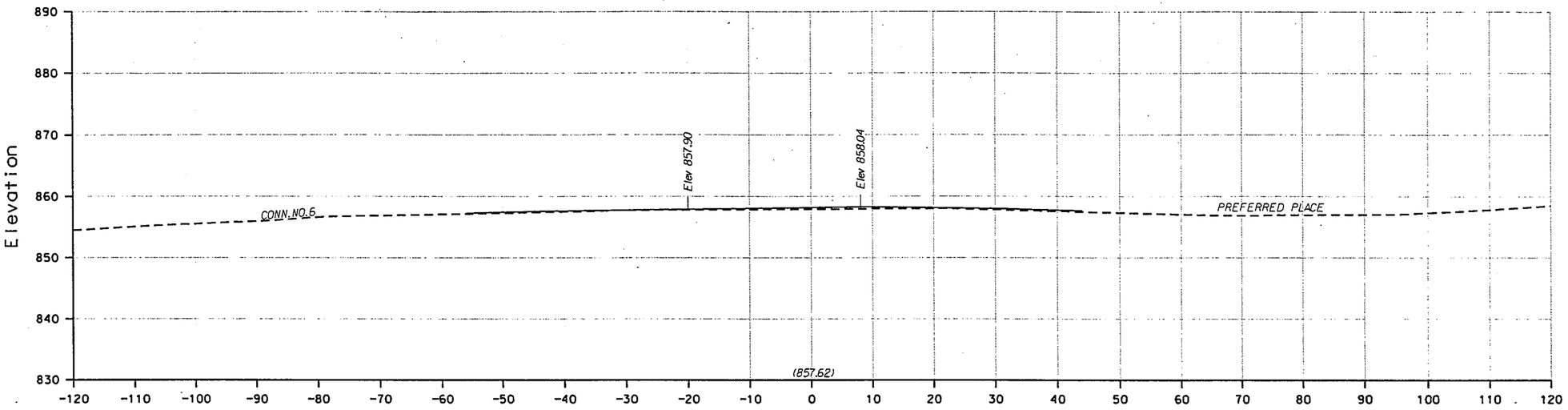
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

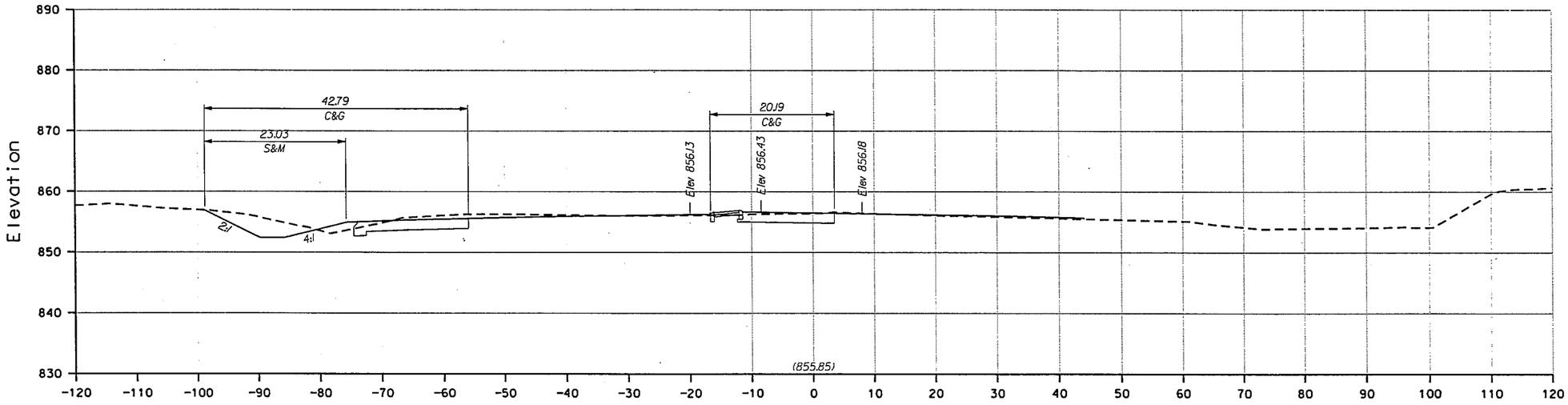
CROSS-SECTIONS

Sta. 179+00 to Sta. 179+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	152	265



180+50



180+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
180+00.		24.25		62.98		84.64		26.4				6.23		0.0			
	50		606.3		1574.5		78.4		24.4				5.8		0.0		
180+50.		0.0		0.0		0.0		0.0				0.0		0.0			
	50		577.5		1112.8		87.5		20.6				46.0		63.4		

SCALES
10 ft.
0 10 ft. 0

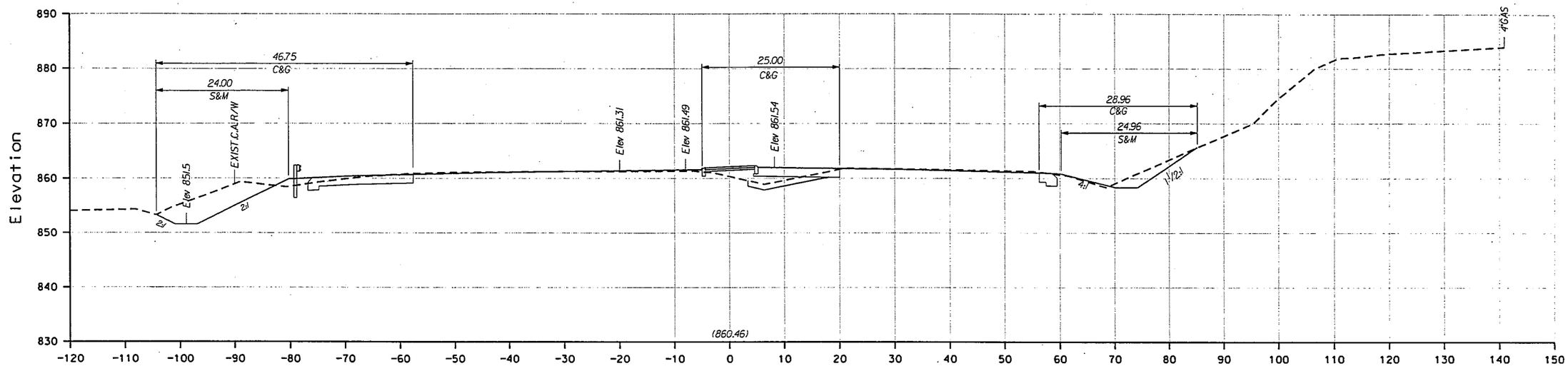
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

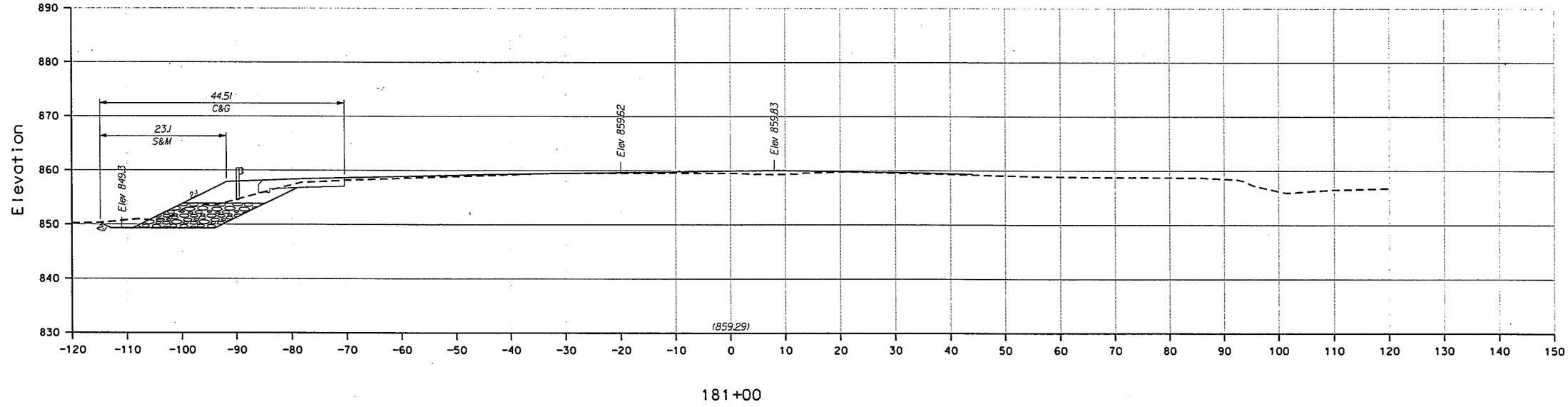
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 180+00 to Sta. 180+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	153	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
181+00.		23.1		44.51		94.48		22.3				49.67		68.4			
	50		1801.5		3630.5		207.2		63.1				70.1		63.4		
181+50.		48.96		100.71		129.32		45.9				26.08		0.0			
	50		3067.0		5960.5		347.5		101.3				50.6		0.0		

SCALES
0 10 ft.
10 ft. 0

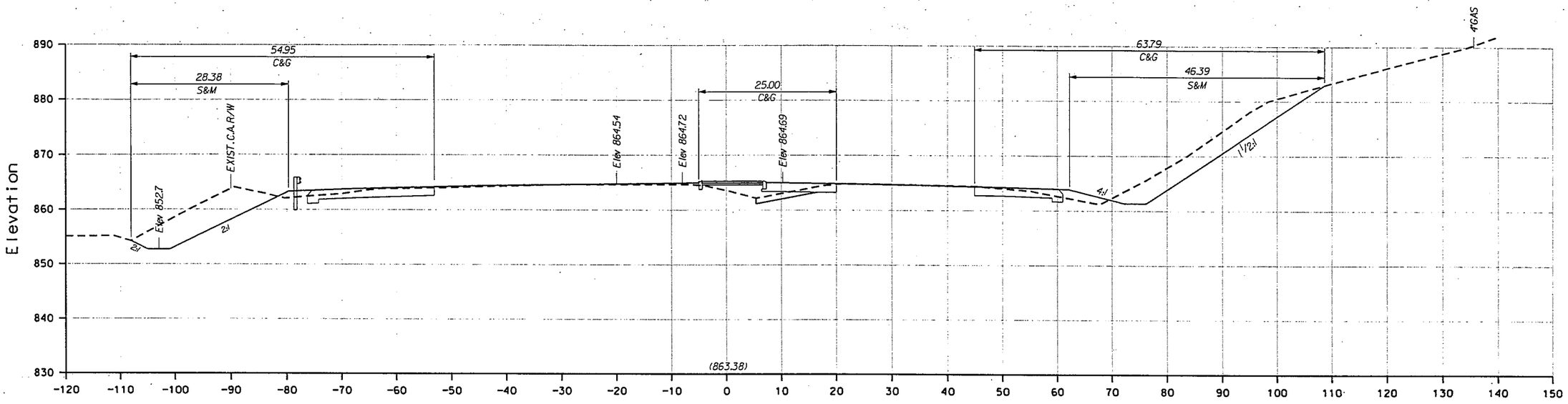
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

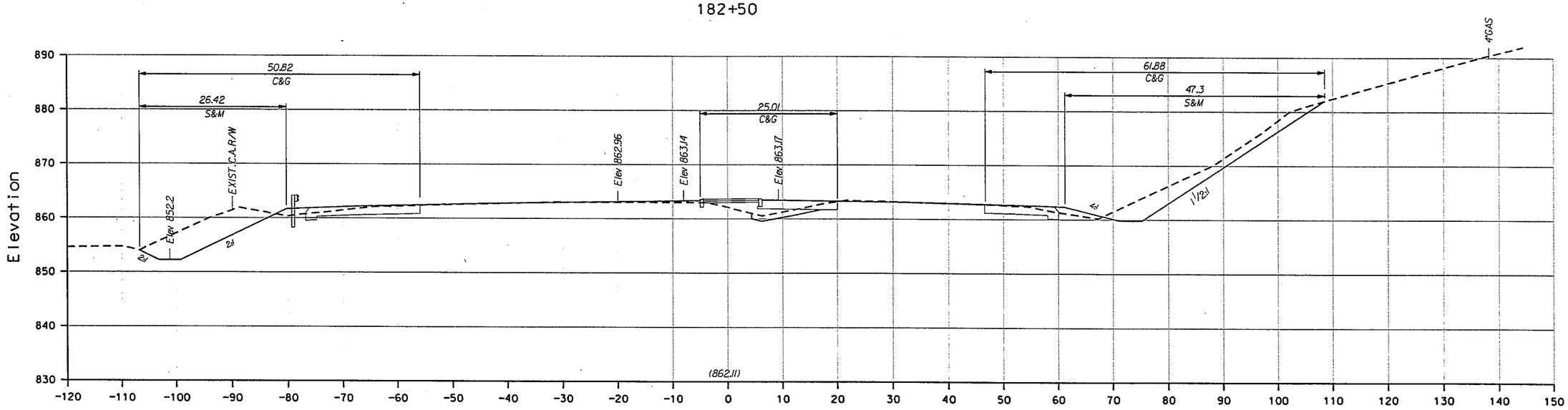
CROSS-SECTIONS

Sta. 181+00 to Sta. 181+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -115- 11.70 00		2001	KANAWHA	154	265



182+50



182+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
182+00.		73.72		137.71		245.95		63.5				28.58		0.0			
	50		3712.3		7036.3		523.4		119.2				57.4		0.0		
182+50.		74.77		143.74		319.28		65.3				33.45		0.0			
	50		3881.8		7219.3		631.6		115.9				56.7		0.0		

SCALES
10 ft.
0 10 ft. 0

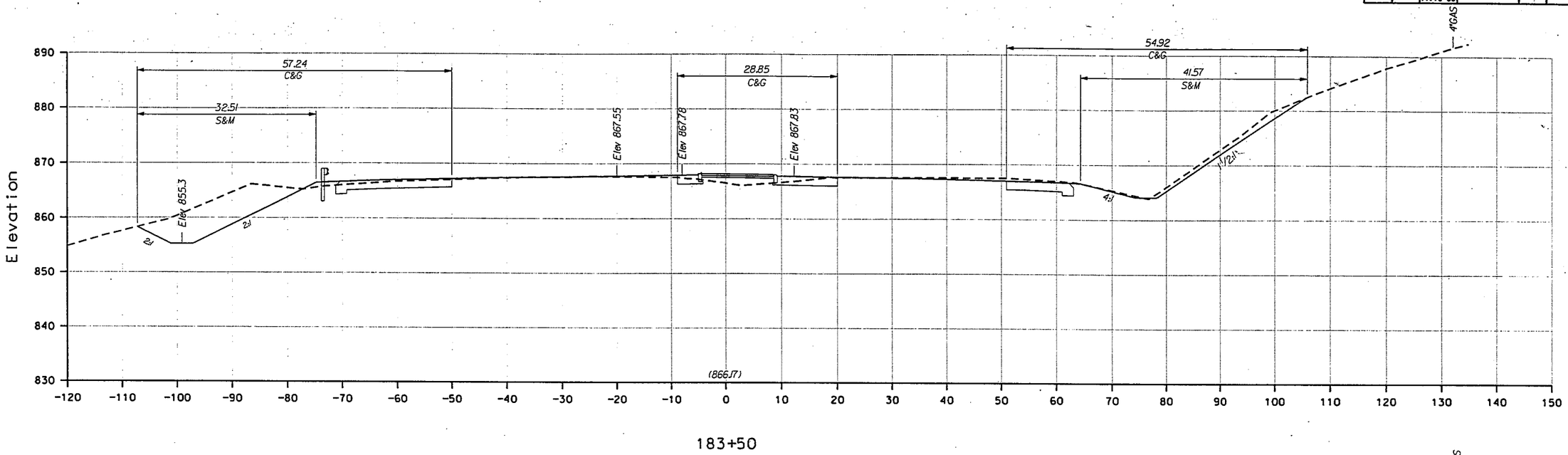
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

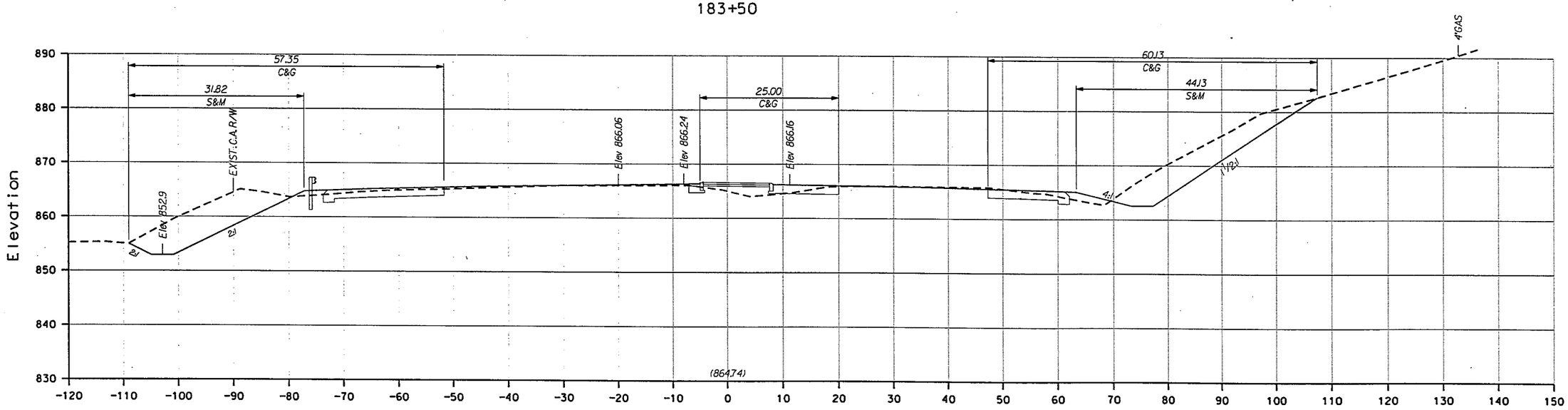
CROSS-SECTIONS

Sta. 182+00 to Sta. 182+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	155	265



183+50



183+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
183+00.		80.5		145.03		362.87		59.9				27.74		0.0			
	50		3952.5		7151.0		549.6		112.5				41.6		0.0		
183+50.		77.6		141.01		230.72		61.6				17.16		0.0			
	50		3160.0		6337.5		403.		97.0				82.5		116.4		

SCALES
10 ft.
0 10 ft. 0

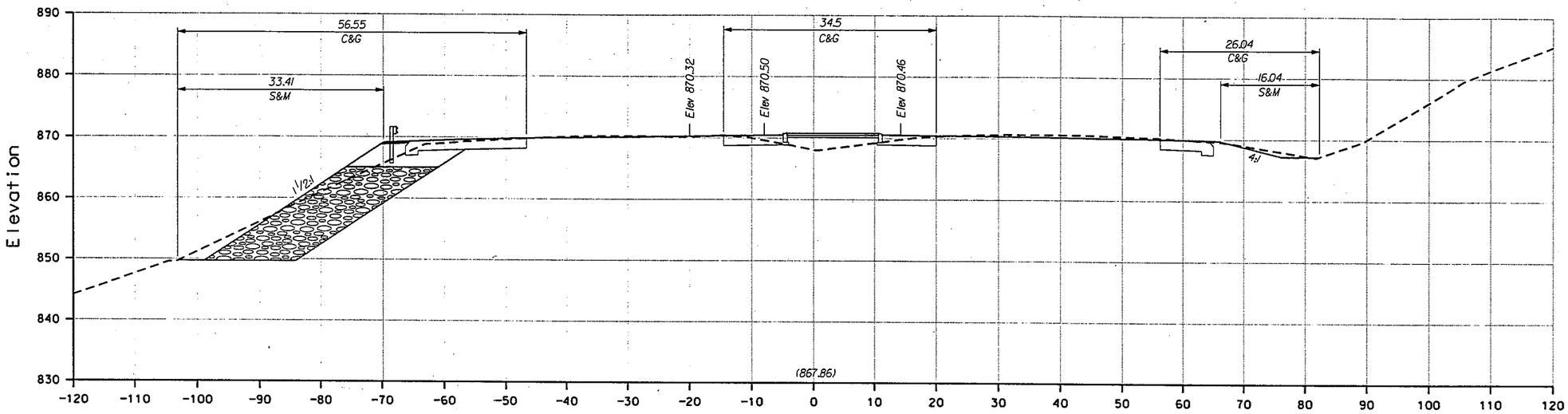
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

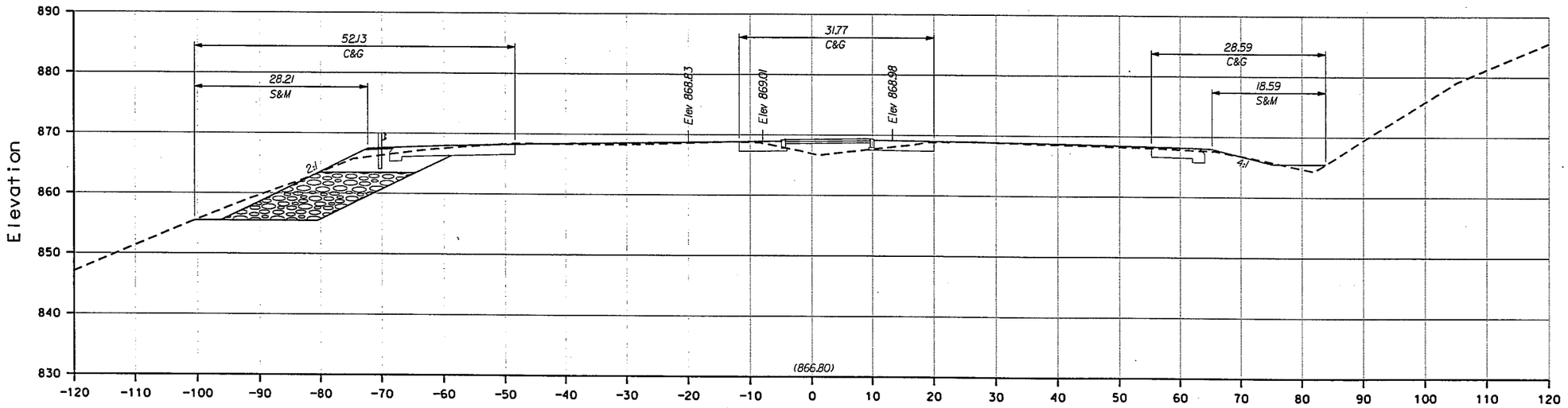
CROSS-SECTIONS

Sta. 183+00 to Sta. 183+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	156	265



184+50



184+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
184+00.		48.8		112.49		204.64		43.2				71.93		25.7			
	50		2506.3		5739.5		481.		85.3				129.6		327.3		
184+50.		51.45		117.09		314.95		49.0				68.04		227.8			
	50		2601.8		6059.3		604.		84.3				142.2		468.5		

SCALES
10 ft.
0 10 ft. 0

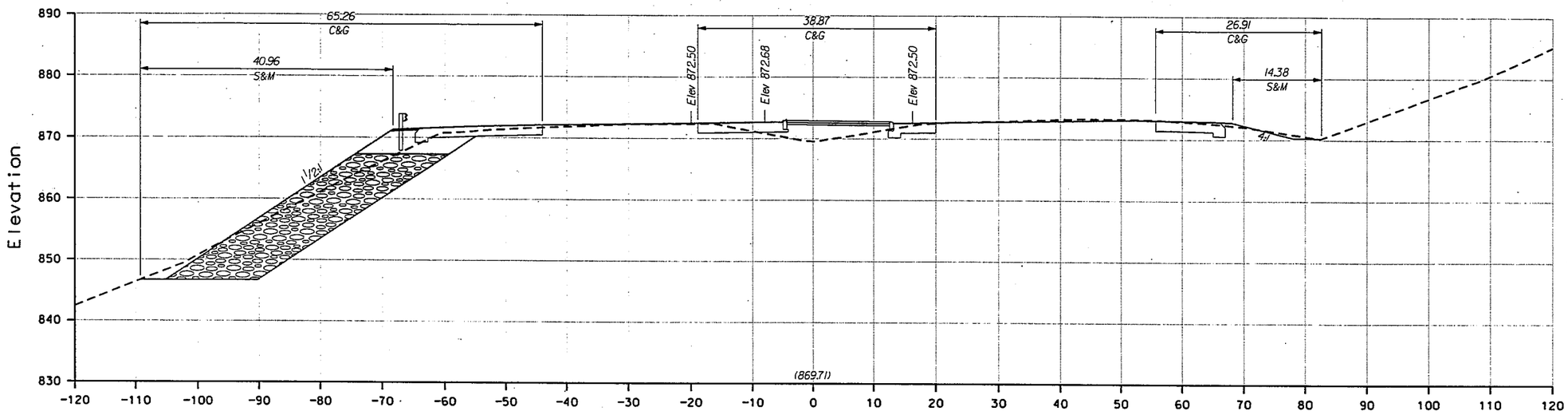
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

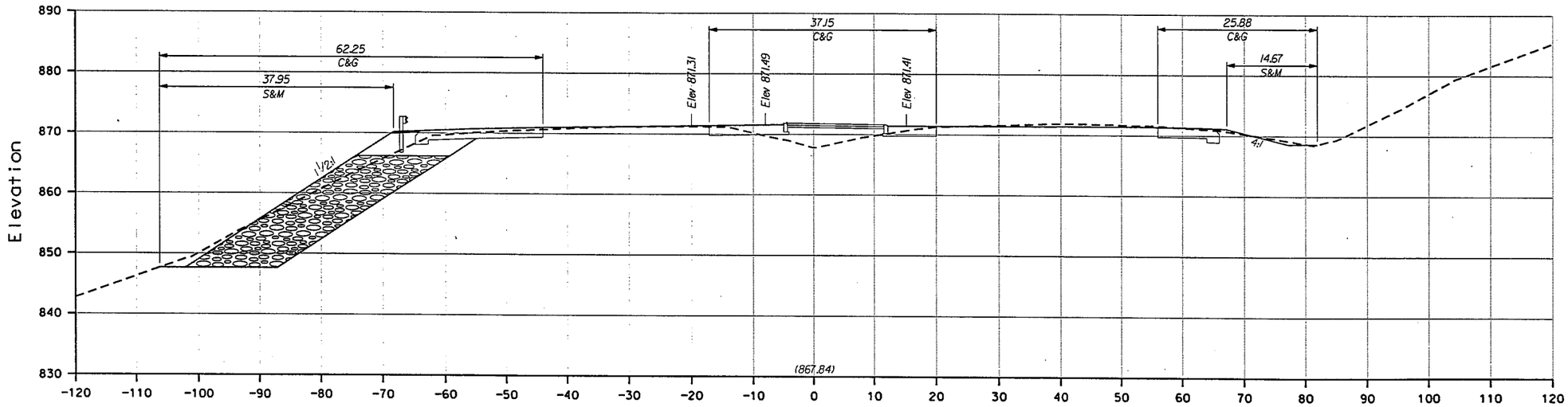
CROSS-SECTIONS

Sta. 184+00 to Sta. 184+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	157	265



185+50



185+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
185+00.		52.62		125.28		337.5		42.1				85.53		278.1			
	50		2699.0		6408.0		634.9		87.1				155.1		543.6		
185+50.		55.34		131.04		348.19		52.0				81.95		609.0			
	50		2864.0		6693.3		637.9		97.5				150.6		598.6		

SCALES
10 ft.
0 10 ft. 0

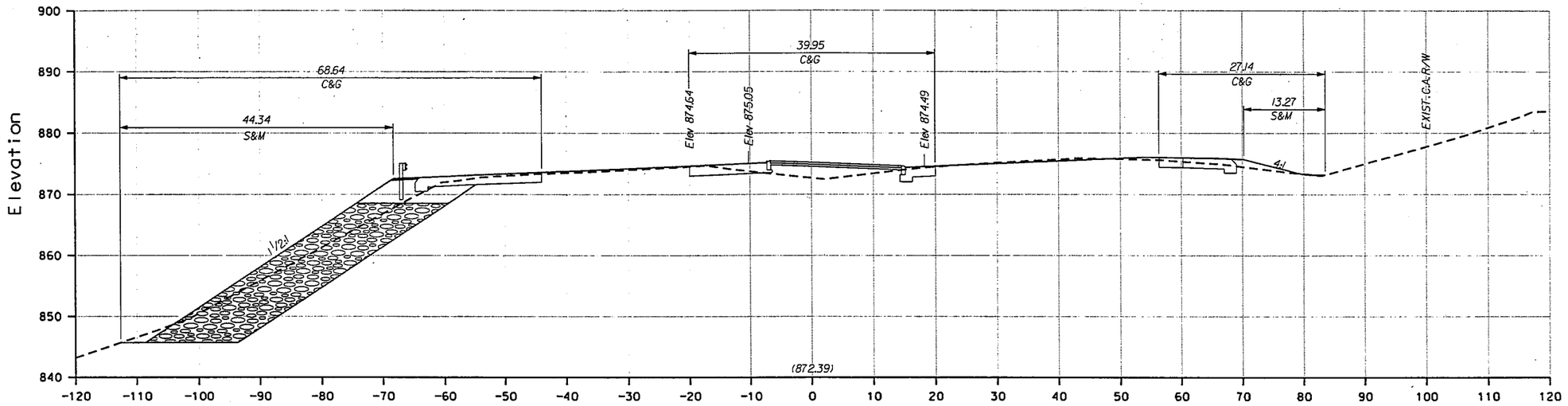
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

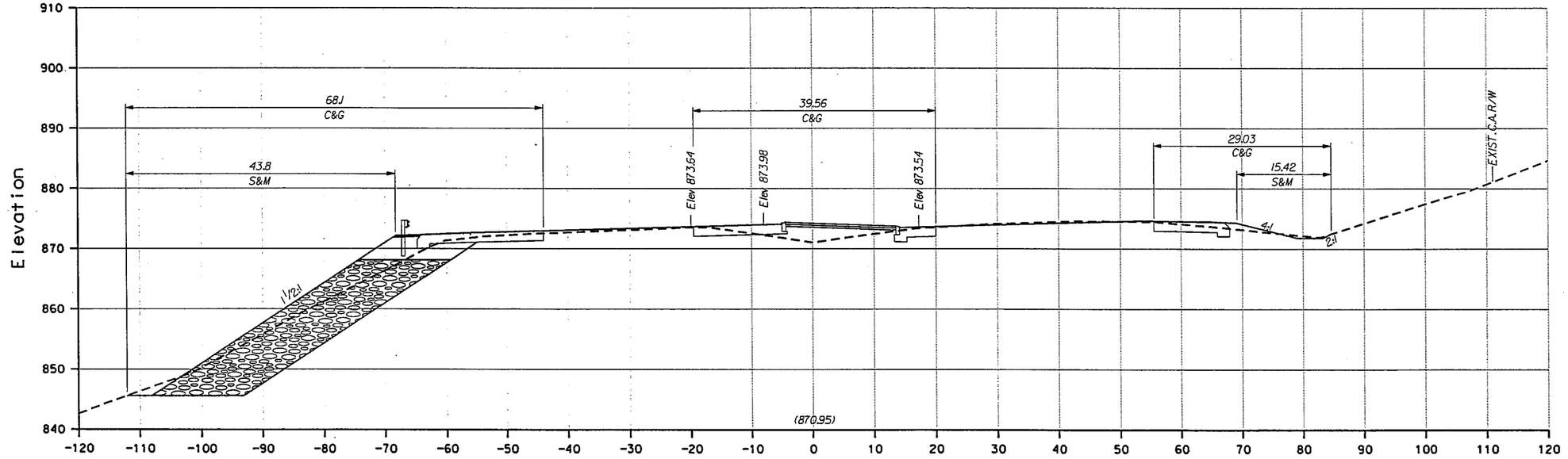
CROSS-SECTIONS

Sta. 185+00 to Sta. 185+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	158	265



186+50



186+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
186+00.	-	59.22		136.69		340.75		53.3				80.71		337.5			
	50		2920.8		6810.5		372.4		95.3				150.3		630.1		
186+50.		57.61		135.73		61.49		49.6				81.65		343.1			
	50		3154.3		7157.8		428.6		96.3				149.0		738.6		

SCALES

10 ft. 0 — 0 10 ft.

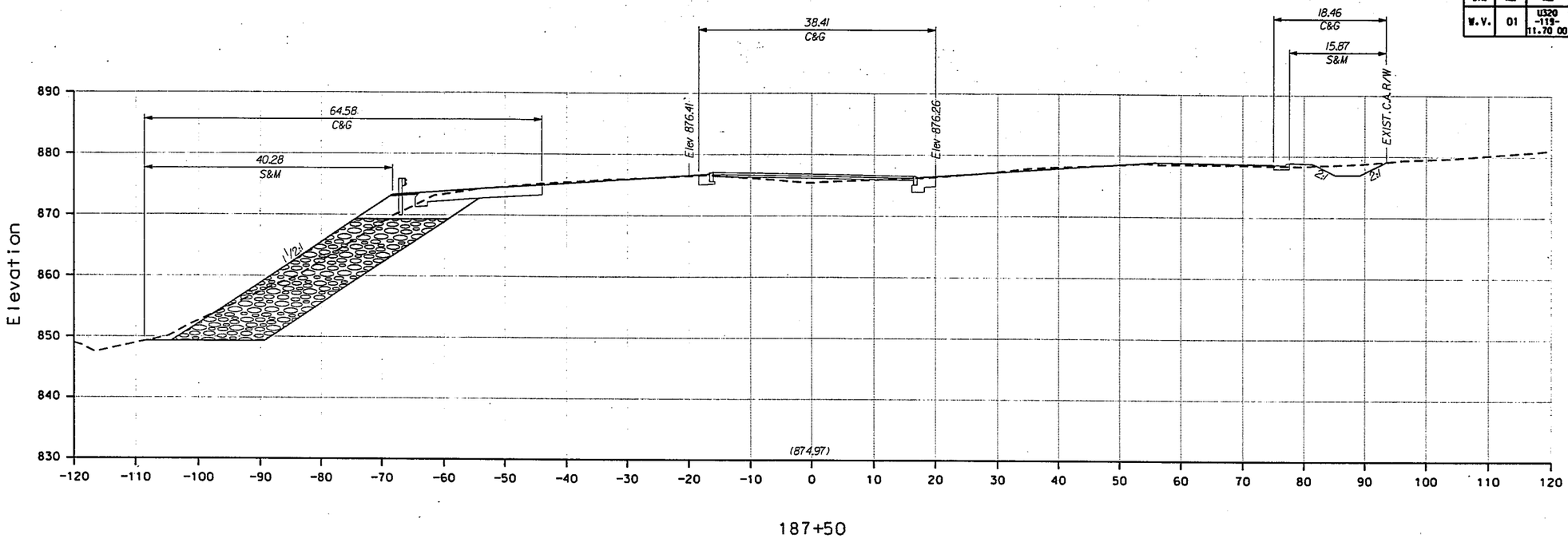
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

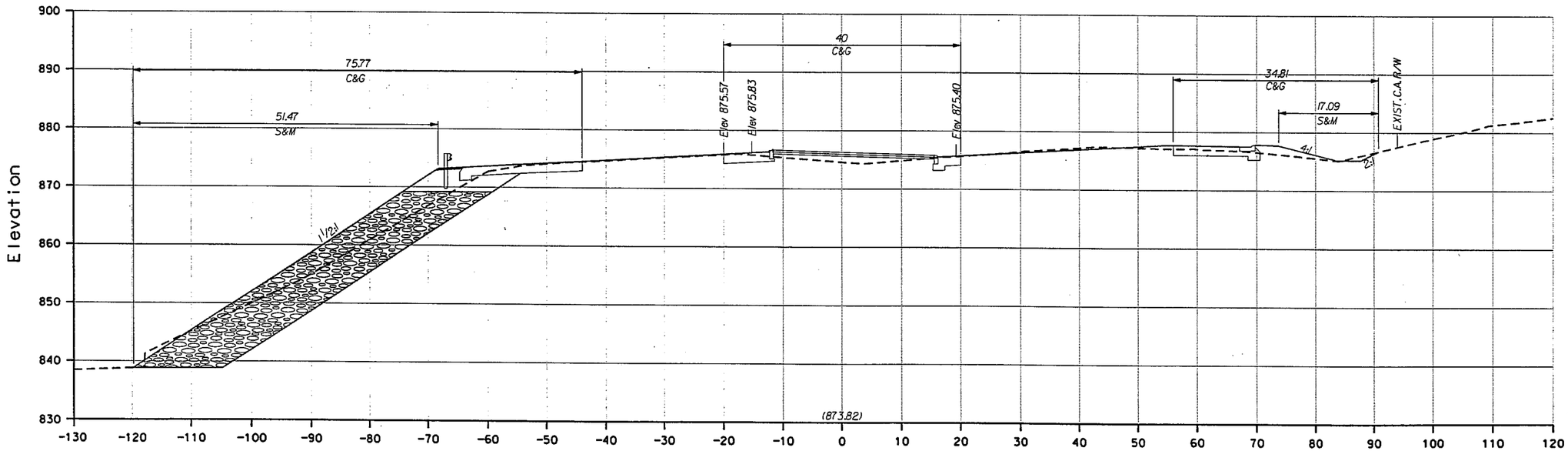
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 186+00 to Sta. 186+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	159	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
187+00.		68.56		50.58		401.36		54.3				79.3		454.7			
	50		3117.8		6800.8		674.9		89.6				128.2		699.1		
187+50.		56.15		121.45		327.58		42.5				59.2		300.3			
	50		2403.8		5160.3		559.3		77.4				100.2		551.4		

SCALES
10 ft.
0 10 ft. 0

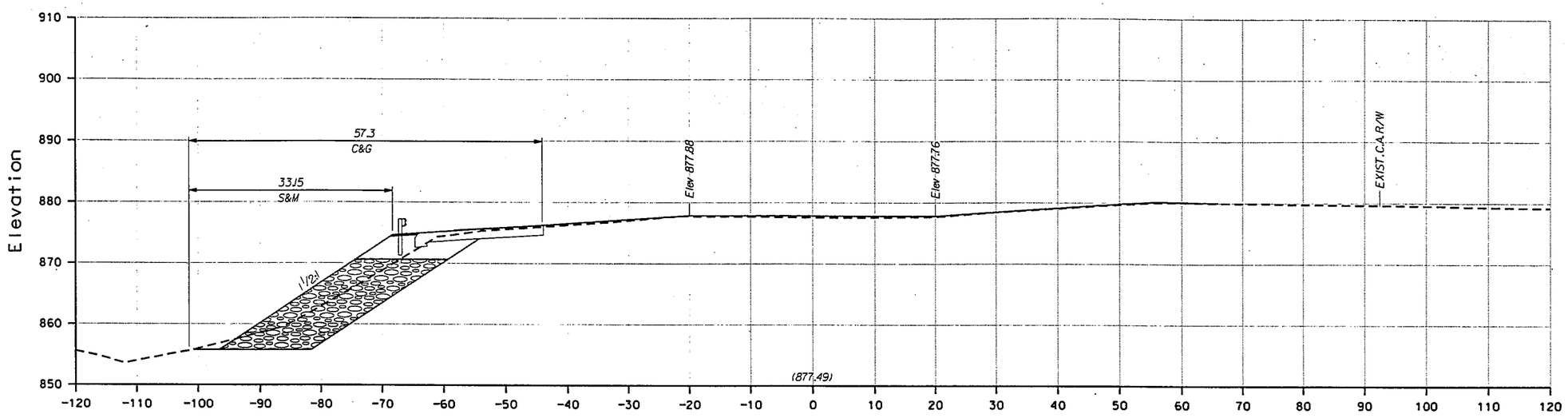
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

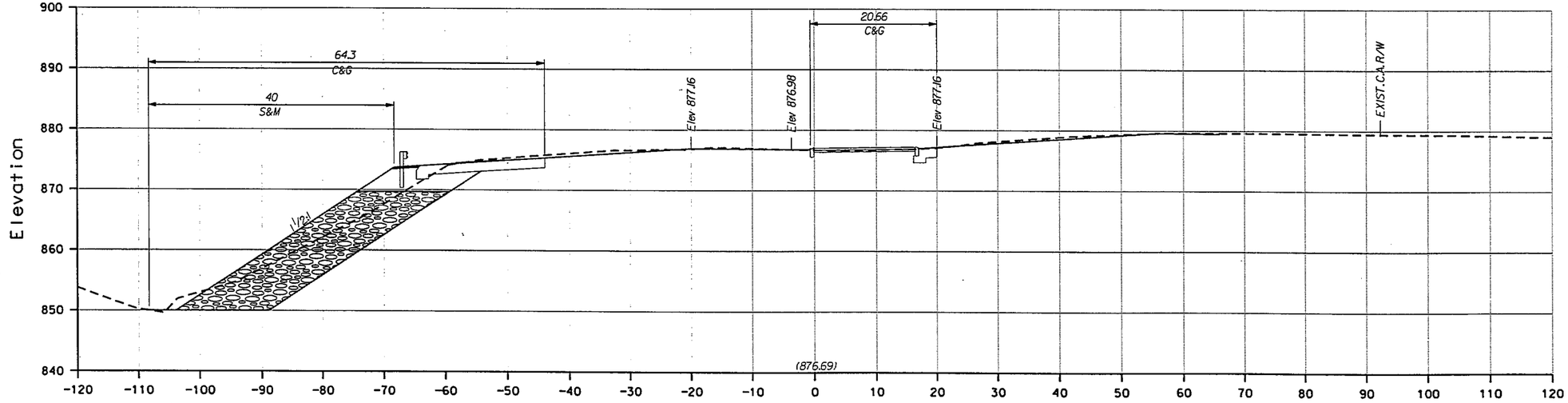
CROSS-SECTIONS

Sta. 187+00 to Sta. 187+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	160	265



188+50



188+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
188+00.		40		84.96		276.41		41.1				49.02		295.2			
	50		1828.8		3556.5		438.1		64.4				90.7		479.8		
188+50.		33.15		57.3		196.76		28.4				48.95		223.1			
	50		1887.5		3561.5		387.1		62.0				90.7		394.2		

SCALES
10 ft.
0 10 ft. 0

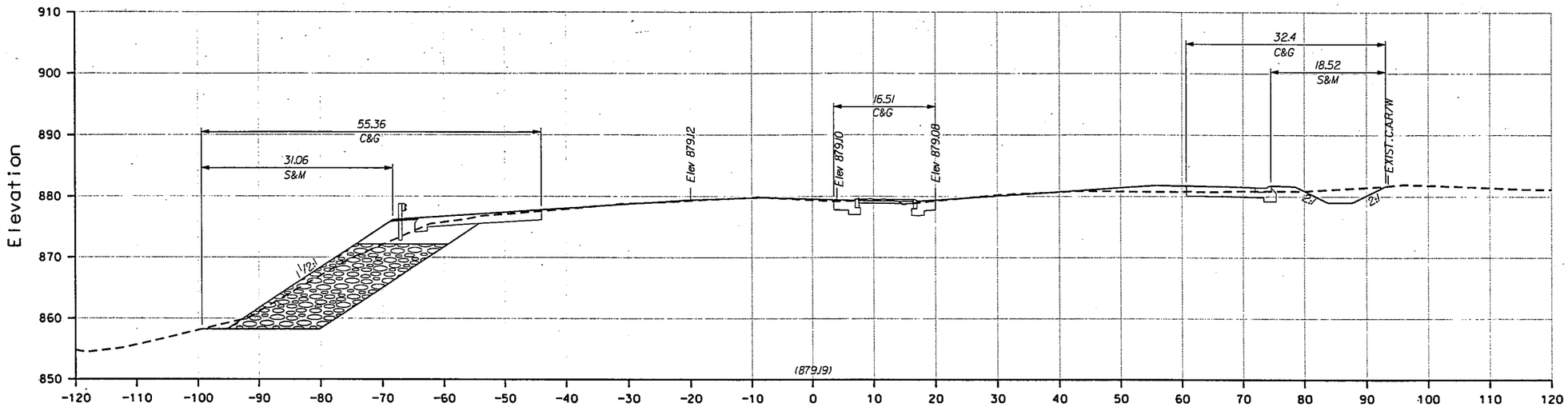
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

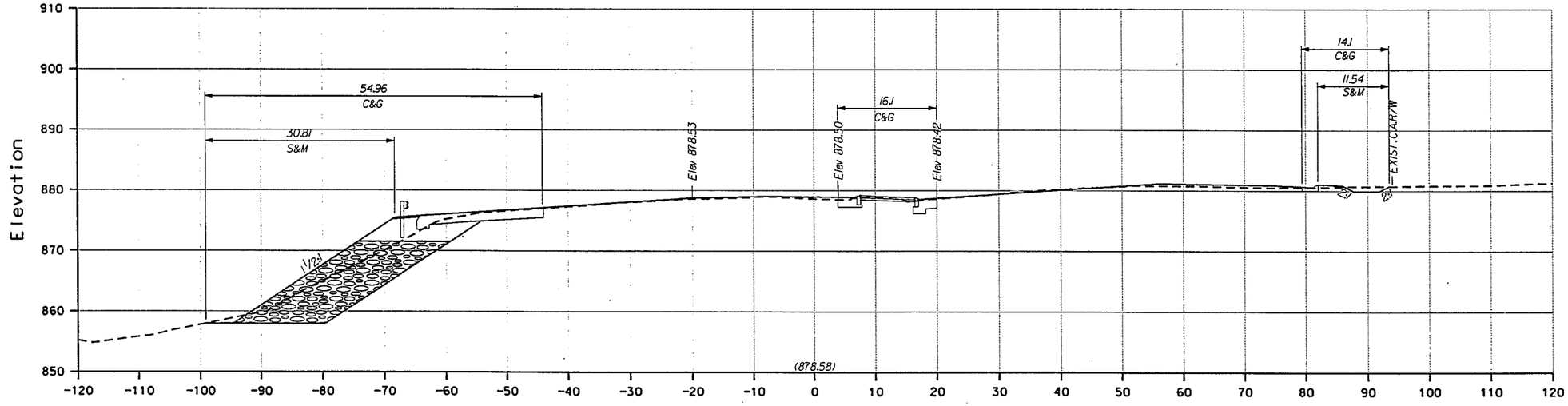
CROSS-SECTIONS

Sta. 188+00 to Sta. 188+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70.00		2001	KANAWHA	161	265



189+50



189+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
189+00.		42.35		85.16		221.27		38.6				49.0		202.7			
	50		2298.3		4735.8		467.7		78.0				94.2		380.9		
189+50.		49.58		104.27		283.82		45.7				52.76		208.7			
	50		2407.3		5167.5		475.7		81.6				125.4		379.9		

SCALES
10 ft.
0 10 ft.
0

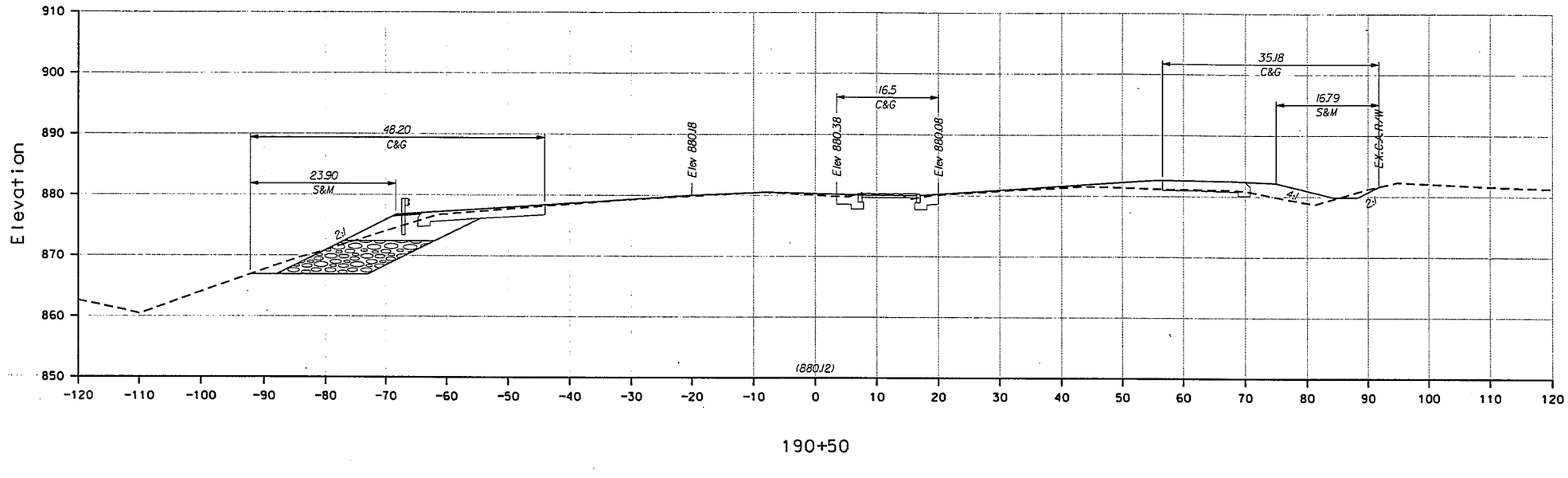
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

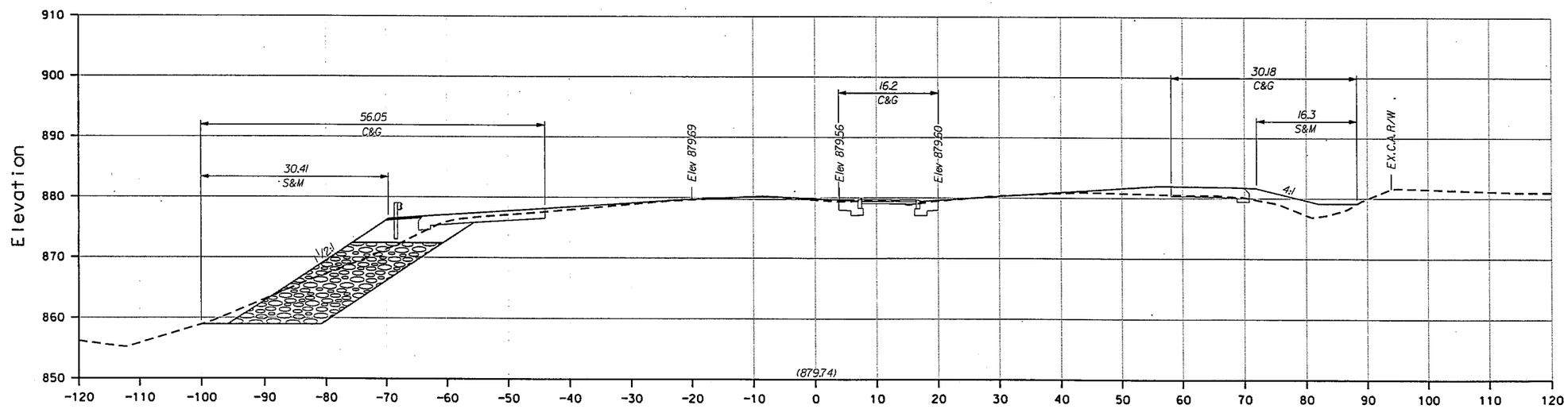
CROSS-SECTIONS

Sta. 189+00 to Sta. 189+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	162	265



190+50



190+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
190+00.		46.71		102.43		229.96		42.5				82.68		201.6			
	50		2185.0		5057.8		375.9		75.9				143.2		263.7		
190+50.		40.69		99.88		176		39.5				71.95		83.2			
	50		1762.5		4783.5		285.1		69.2				128.8		110.1		

SCALES
10 ft.
0 10 ft. 0

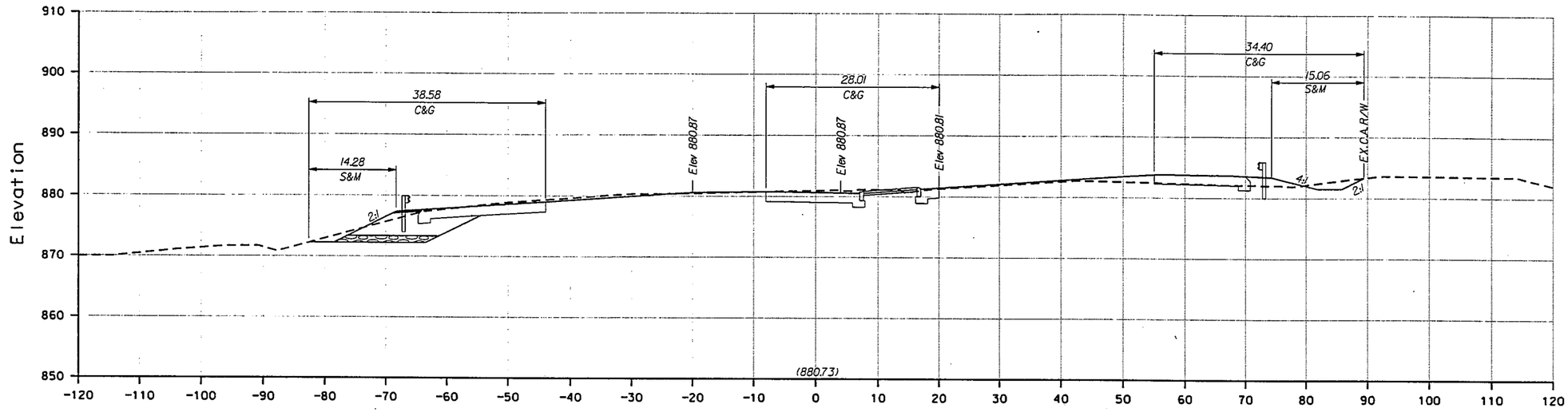
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

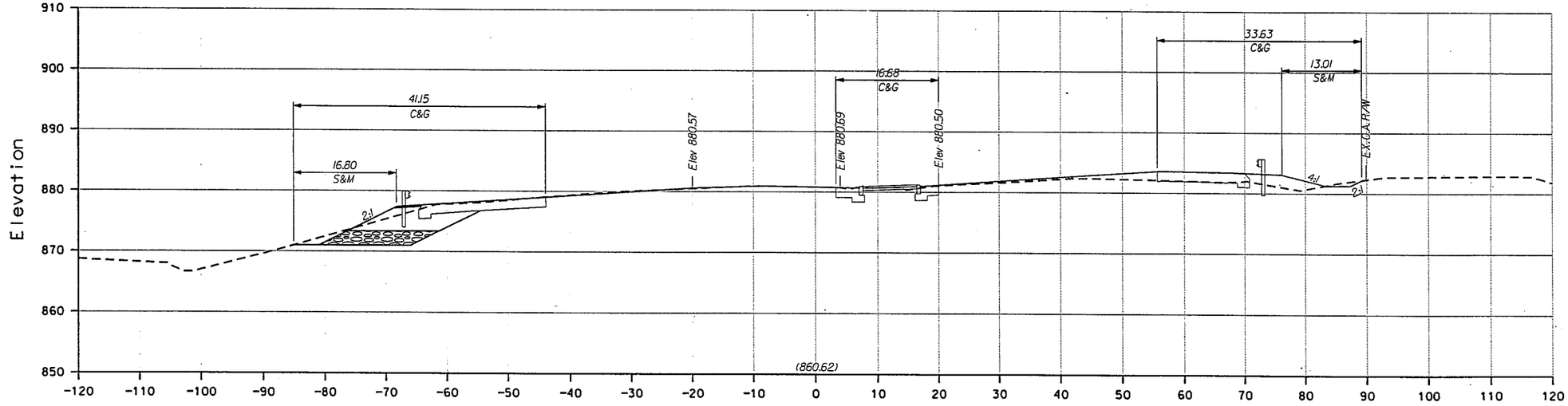
CROSS-SECTIONS

Sta. 190+00 to Sta. 190+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	163	265



191+50



191+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
191+00.		29.81		91.46		131.9		35.3				67.11		35.7			
	50		1478.8		4811.3		259.8		77.7				115.1		48.5		
191+50.		29.34		100.99		148.73		48.7				57.15		16.7			
	50		2401.5		6310.8		246.4		87.5				79.4		15.5		

SCALES
10 ft.
0 10 ft. 0

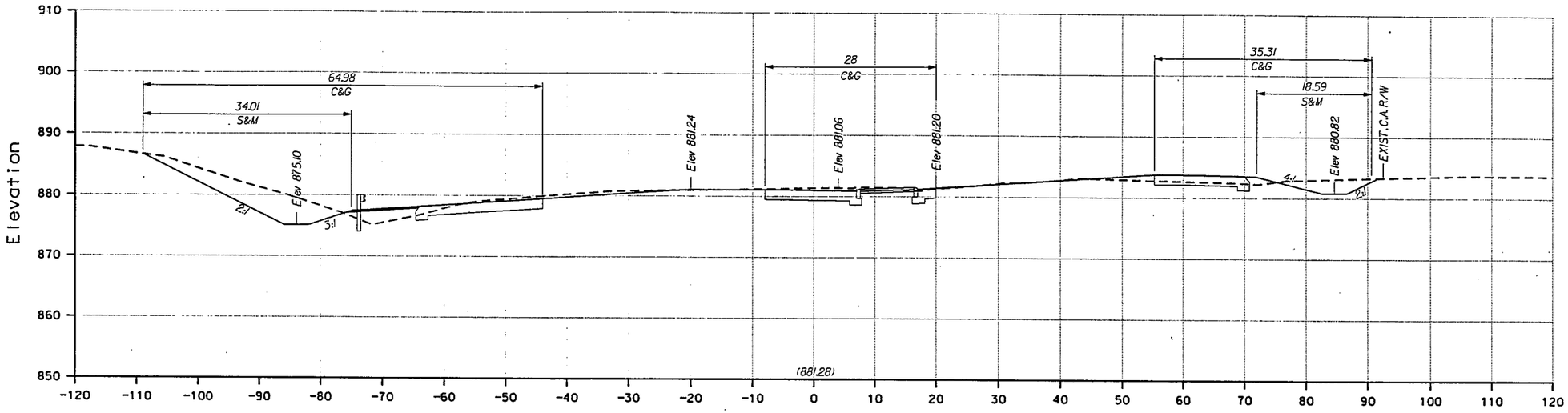
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

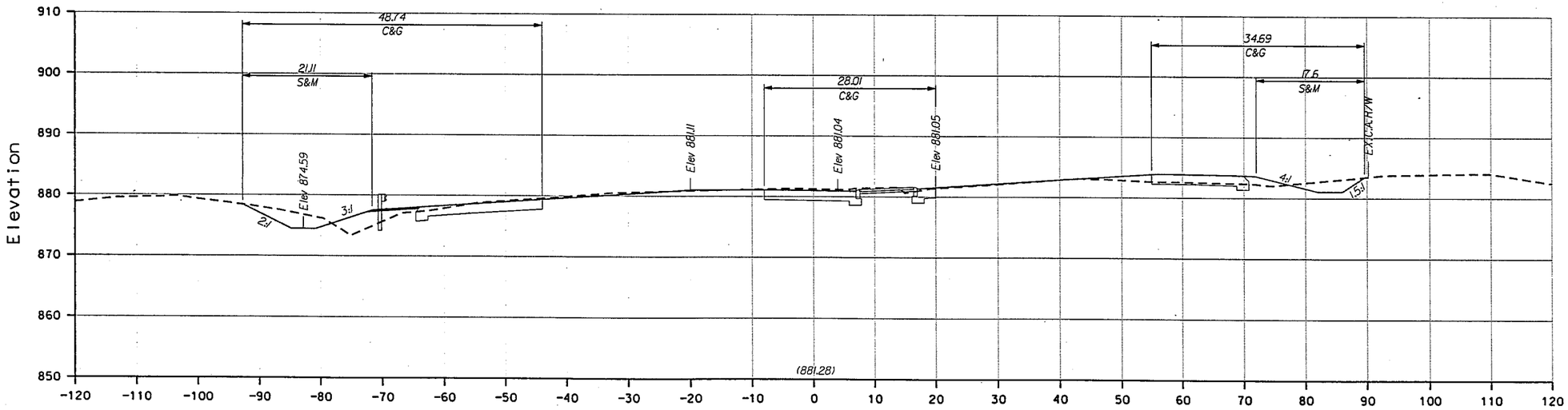
CROSS-SECTIONS

Sta. 191+00 to Sta. 191+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	164	265



192+50



192+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
192+00.		66.72		111.44		117.34		45.8				28.65		0.0			
	50		2983.0		6993.3		317.4		84.9				48.8		0.0		
192+50.		52.6		128.29		225.5		56.7				24.05		0.0			
	50		3134.8		6914.8		612.2		114.1				36.8		0.0		

SCALES

10 ft. 0 0 10 ft.

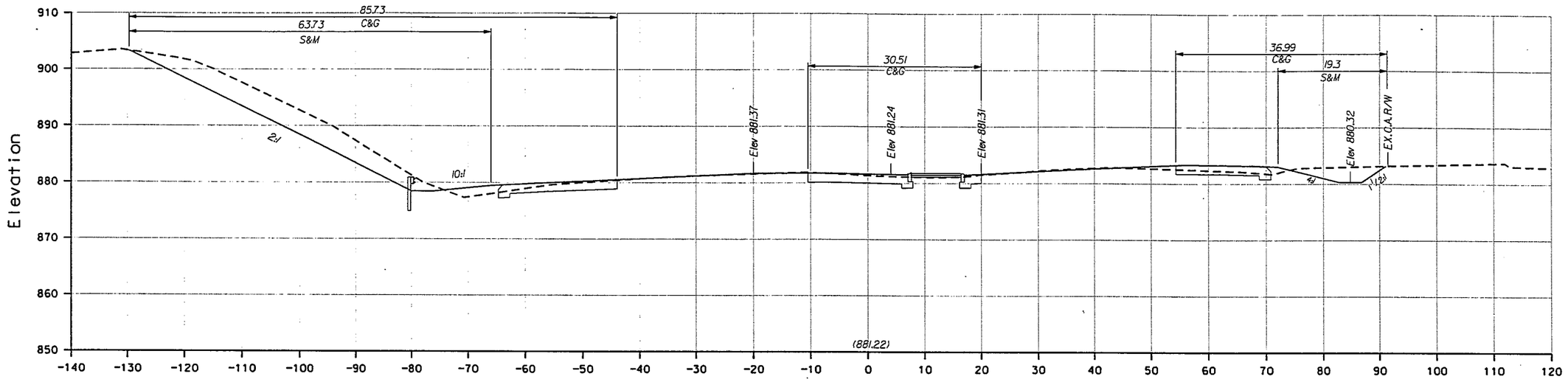
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

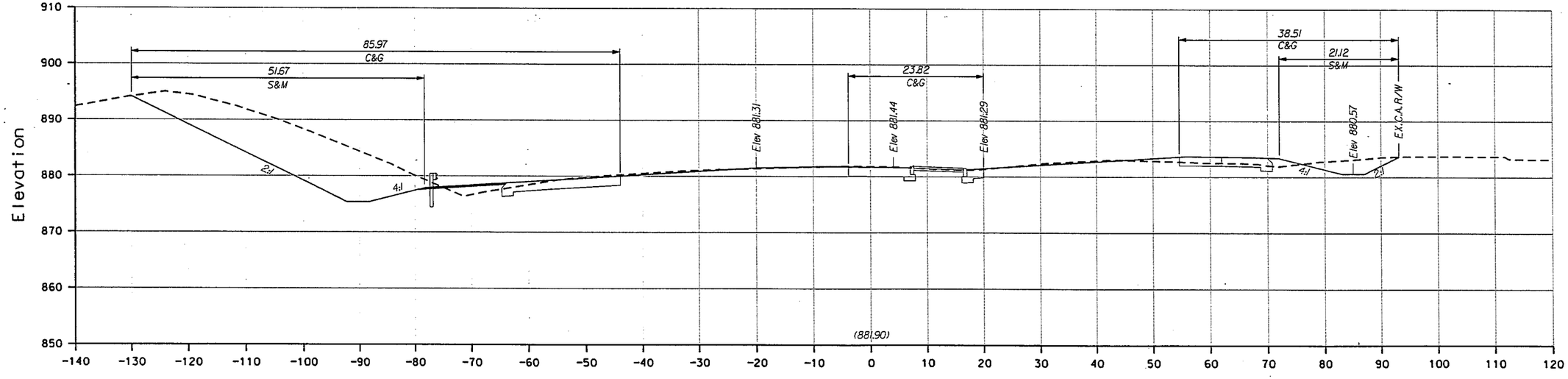
CROSS-SECTIONS

Sta. 192+00 to Sta. 192+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -110- 11.70 00		2001	KANAWHA	165	265



193+50



193+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
193+00.		72.79		148.3		435.63		66.6				15.68		0.0			
	50		3895.5		7538.3		626.6		121.1				28.4		0.0		
193+50.		83.03		153.23		241.05		64.2				15		0.0			
	50		4101.5		7706.3		422.6		124.5				32.4		0.0		

SCALES
10 ft.
0 10 ft. 0

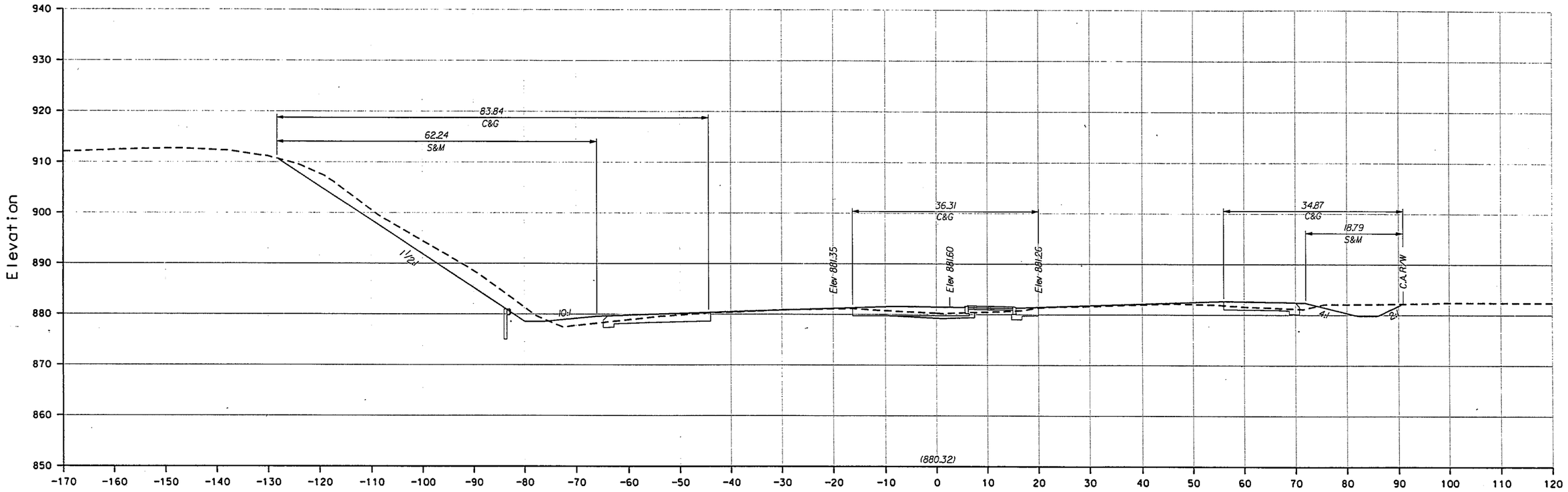
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 193+00 to Sta. 193+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	166	265



194+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
194+00.		81.03		155.02		215.34		70.3				19.98		0.0			
	50		4525.0		8318.3		407.5		155.6				39.2		0.0		

SCALES
10 ft.
0 10 ft. 0

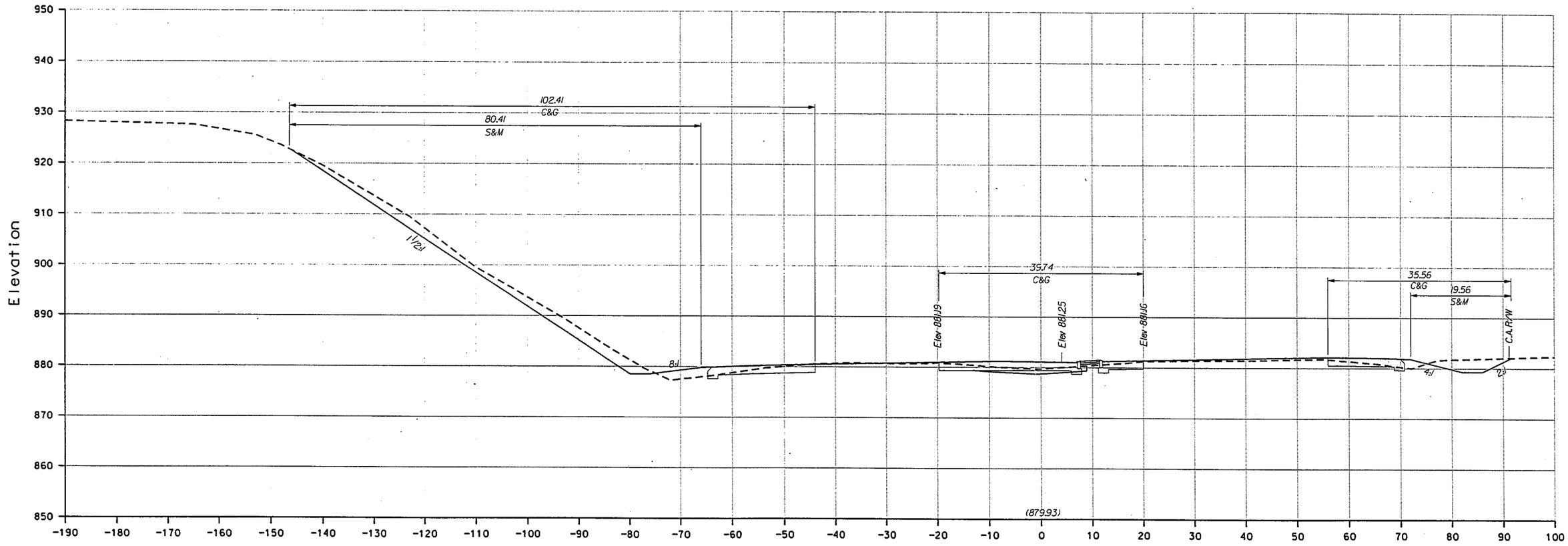
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 194+00

Public Roads Dist.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -113- 11.70 00		2001	KANAWHA	167	265



194+50

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
194+50.		99.97		177.71		224.78		90.2				22.32		0.0			
	50		5828.3		9704.0		519.2		191.3				45.4		0.0		

SCALES
10 ft.
0 10 ft. 0

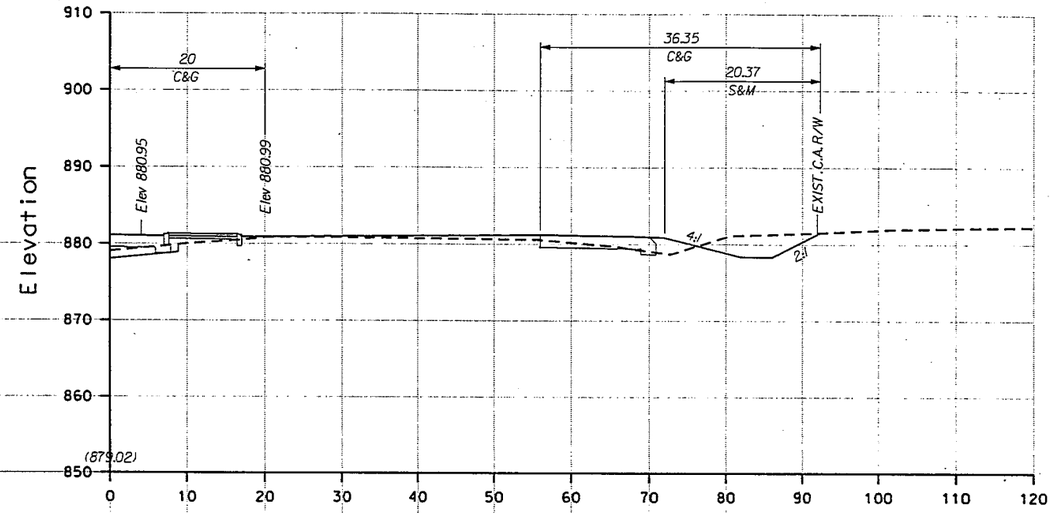
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

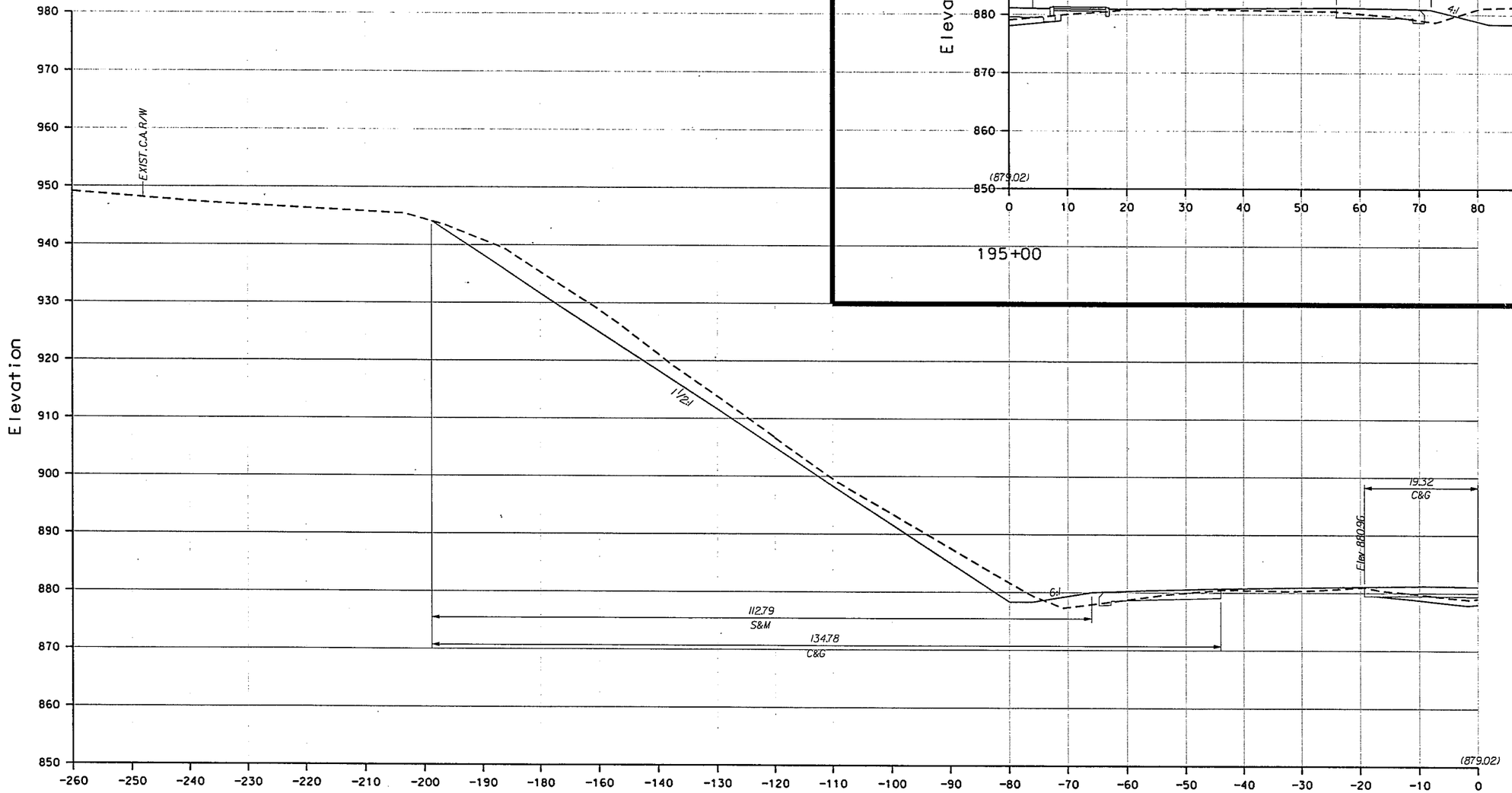
CROSS-SECTIONS

Sta. 194+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	168	265



195+00



195+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
195+00.		133.16		210.45		335.92		105.3				26.68		0.0			
	50		7373.8		1205.3		966.7		225.2				45.0		0.0		

SCALES

10 ft. 0 — 0 10 ft.

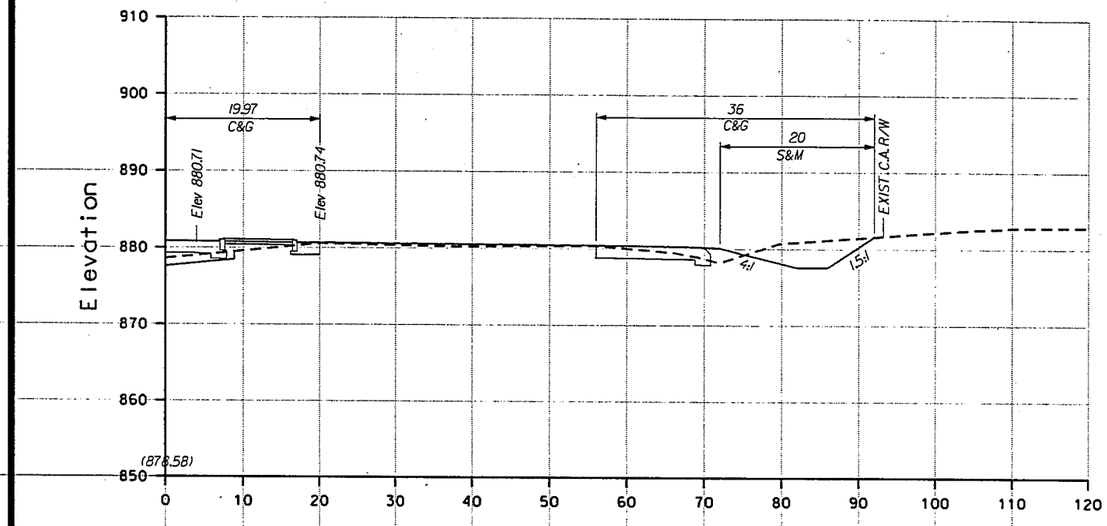
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

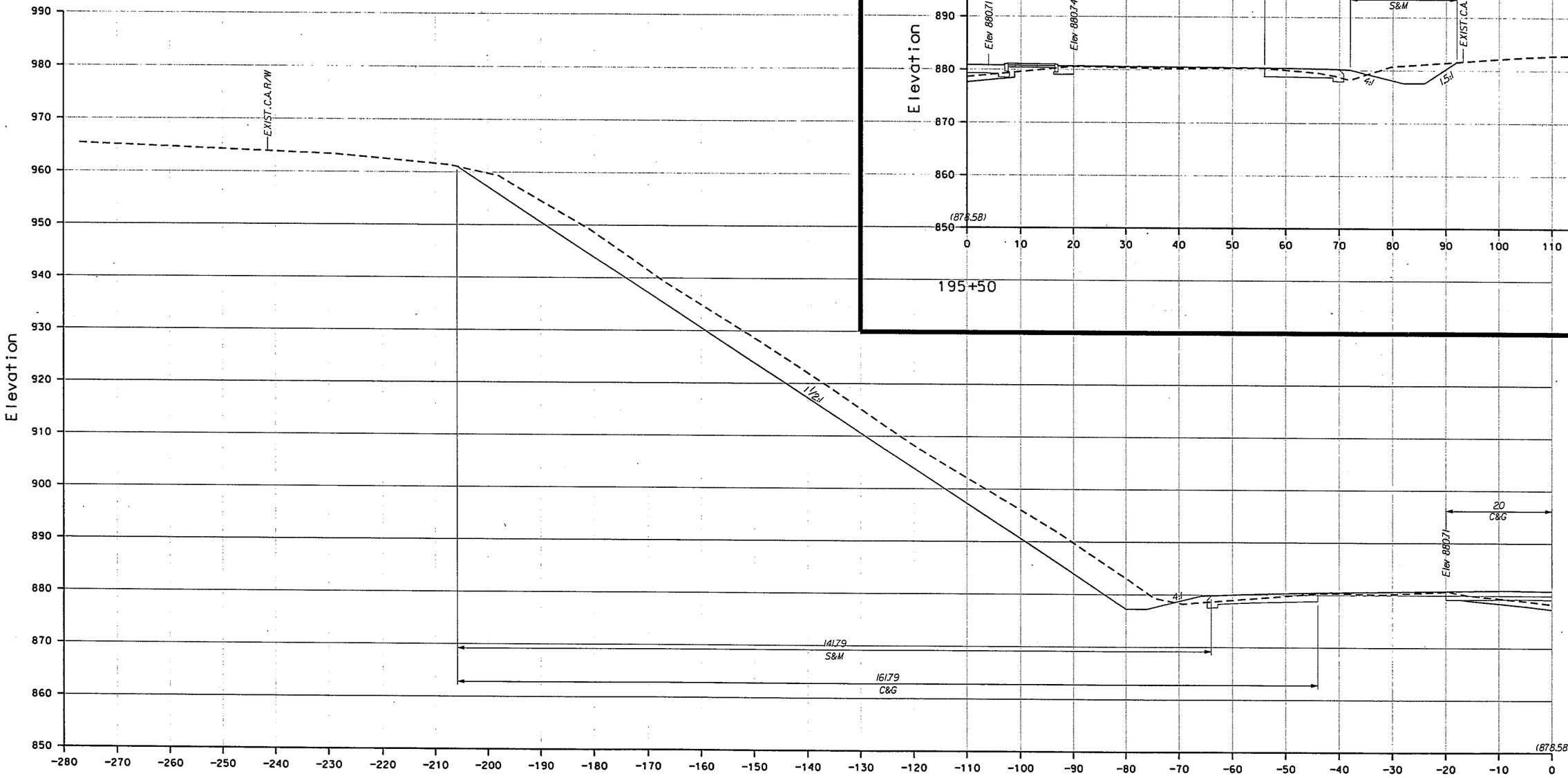
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTION

Sta. 195+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	169	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
195+50.		161.79		237.76		708.13		115.4				21.94		0.0			
	50		8425.5		12266.5		1566.6		228.7				47.8		0.0		

SCALES
10 ft.
0 10 ft.
0

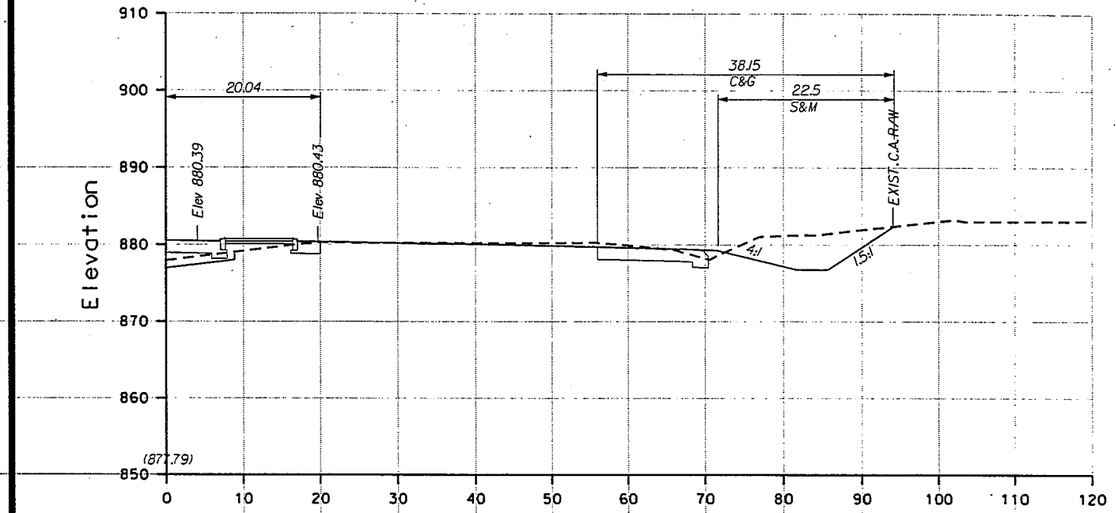
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

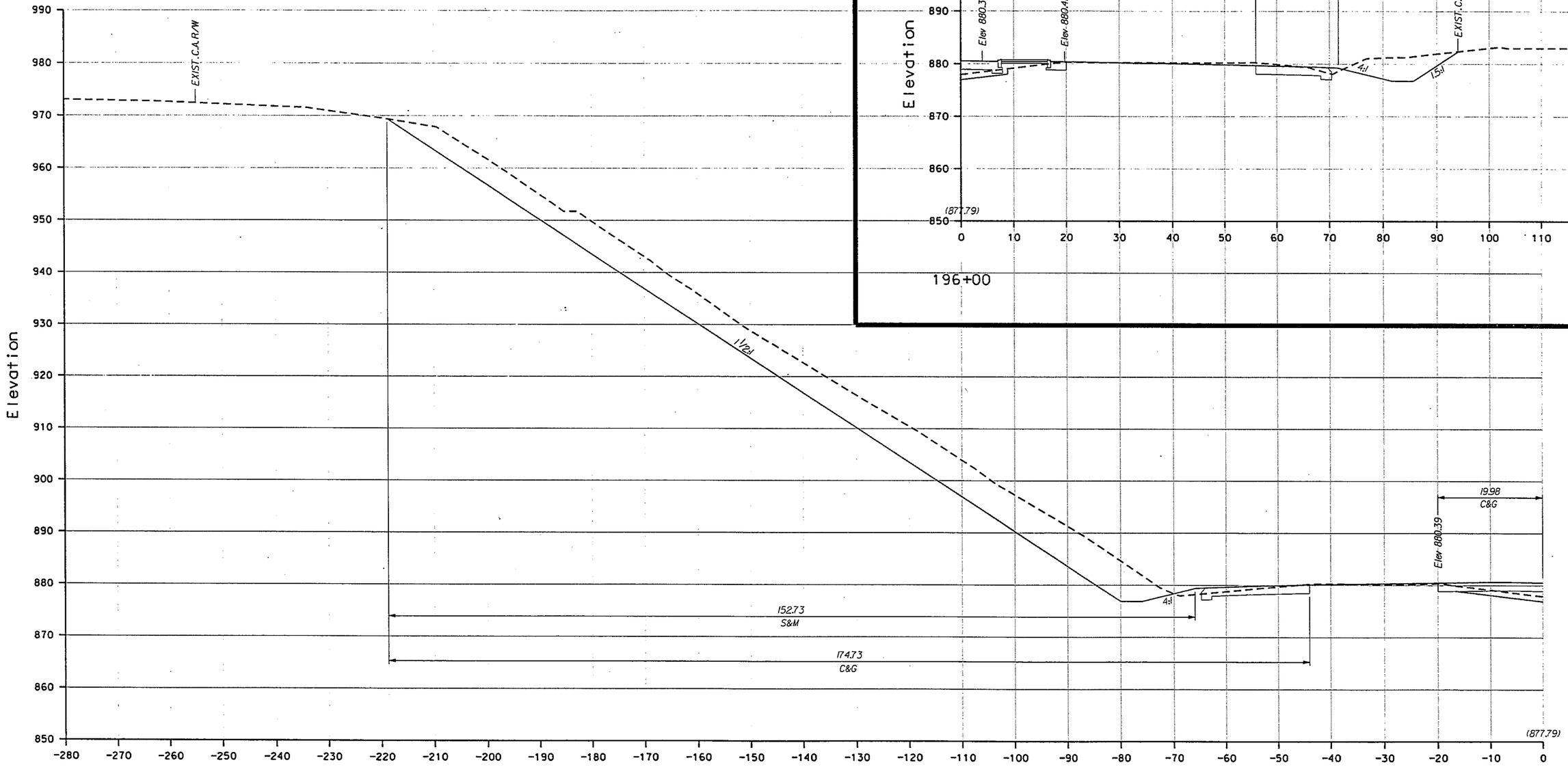
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTION

Sta. 195+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	170	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
196+00.		175.23		252.9		983.85		131.6				29.7		0.0			
	50		8463.0		12354.8		1696.2		235.5				55.0		0.0		

SCALES
10 ft.
0 10 ft. 0

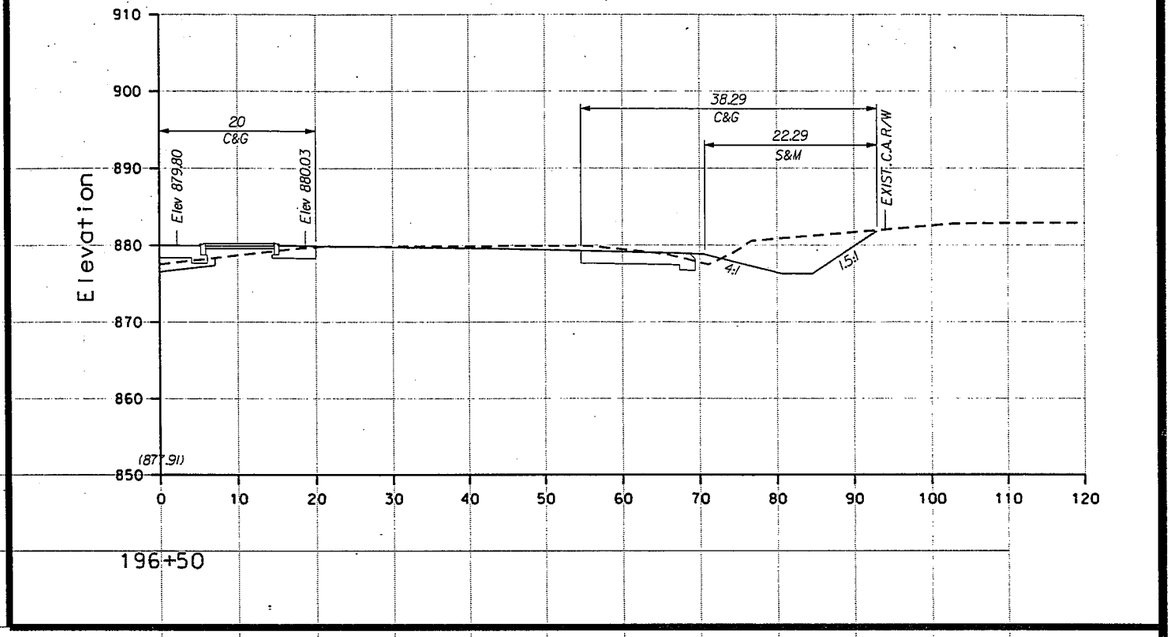
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

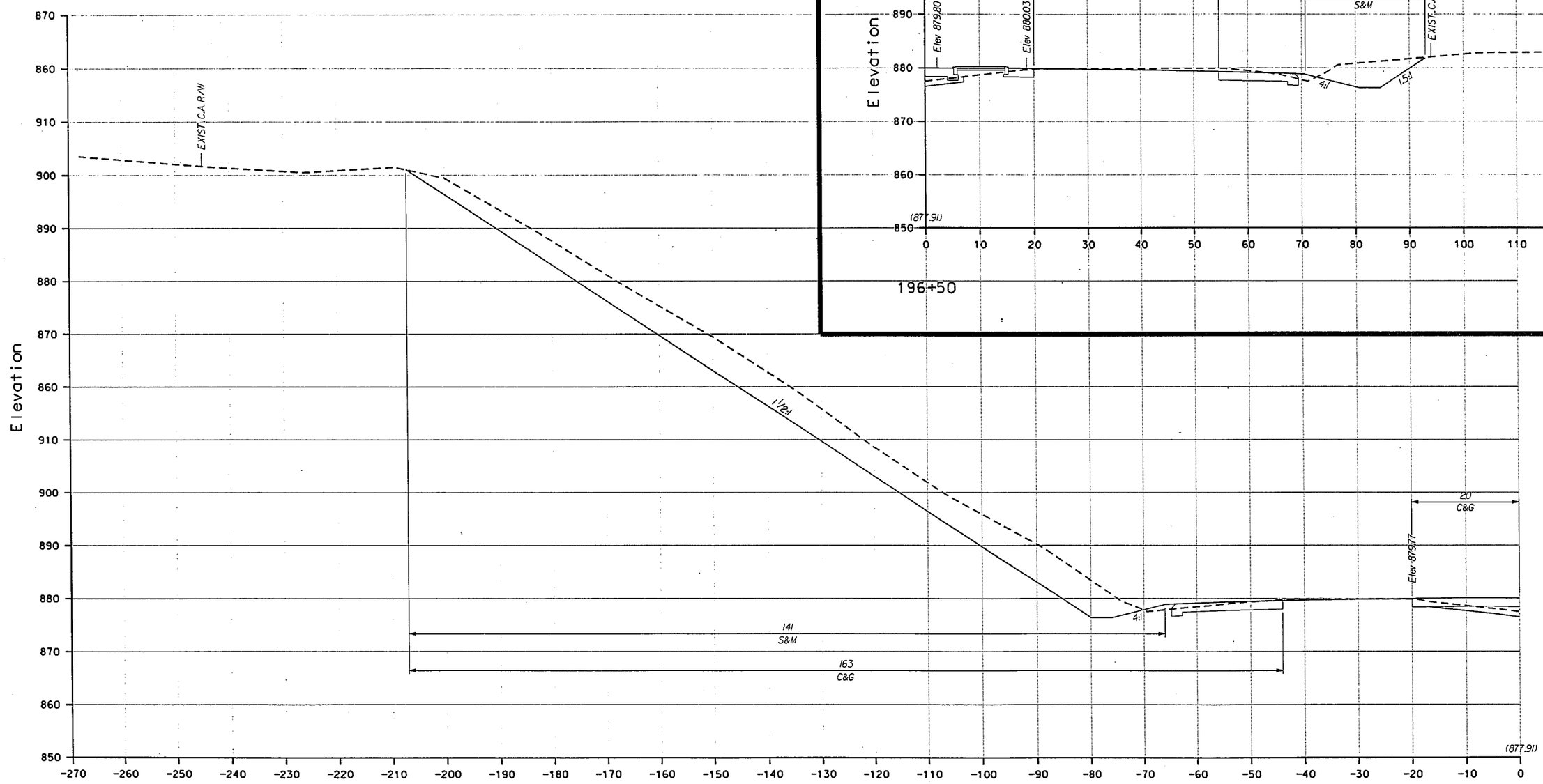
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTION

Sta. 196+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	171	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
196+50.		163.29		241.29		848.01		122.7				29.7		0.0			
	50		7433.3		1274.5		1250.5		211.6				55.3		0.0		

SCALES
0 10 ft.
10 ft. 0

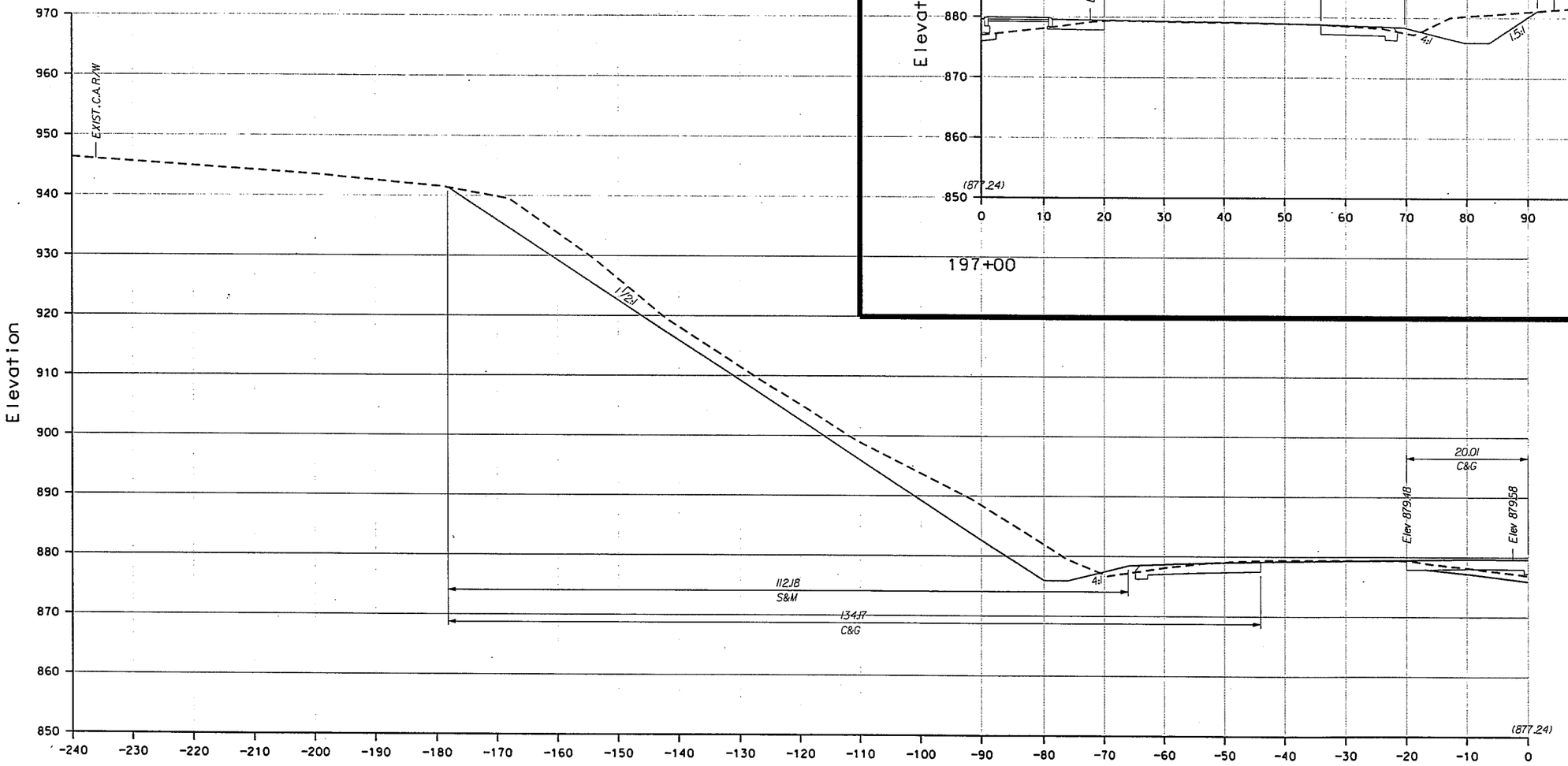
REVISIONS NUMBER	SHEET NUMBER	REVISION	DATE	BY

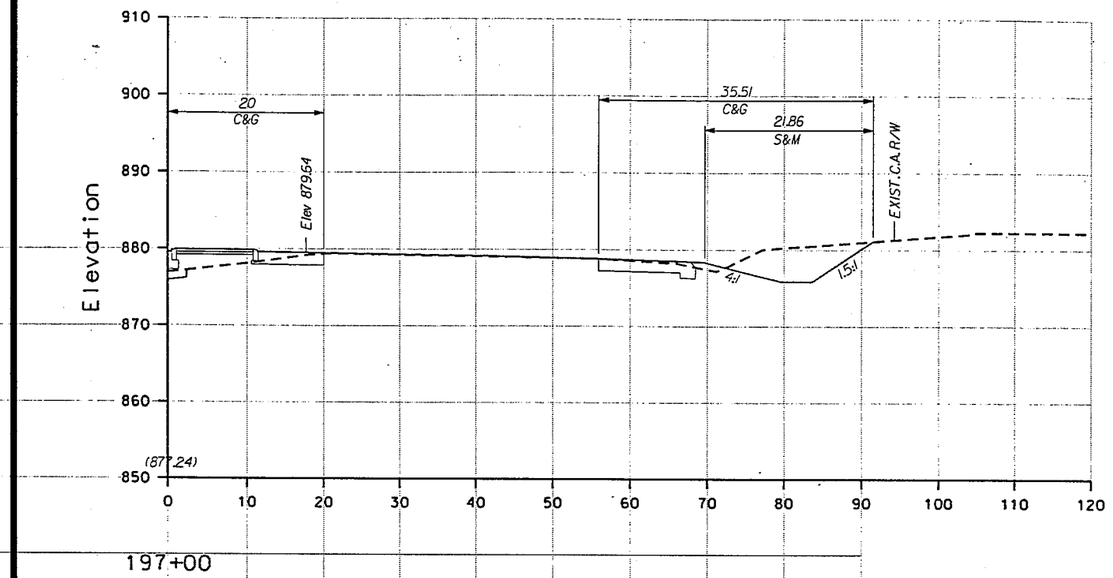
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTION

Sta. 196+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	172	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
197+00.		134.04		209.69		502.58		105.8				29.98		0.0			
	50		6524.5		10281.3		974.7		177.0				60.6		0.0		

SCALES
10 ft.
0 10 ft. 0

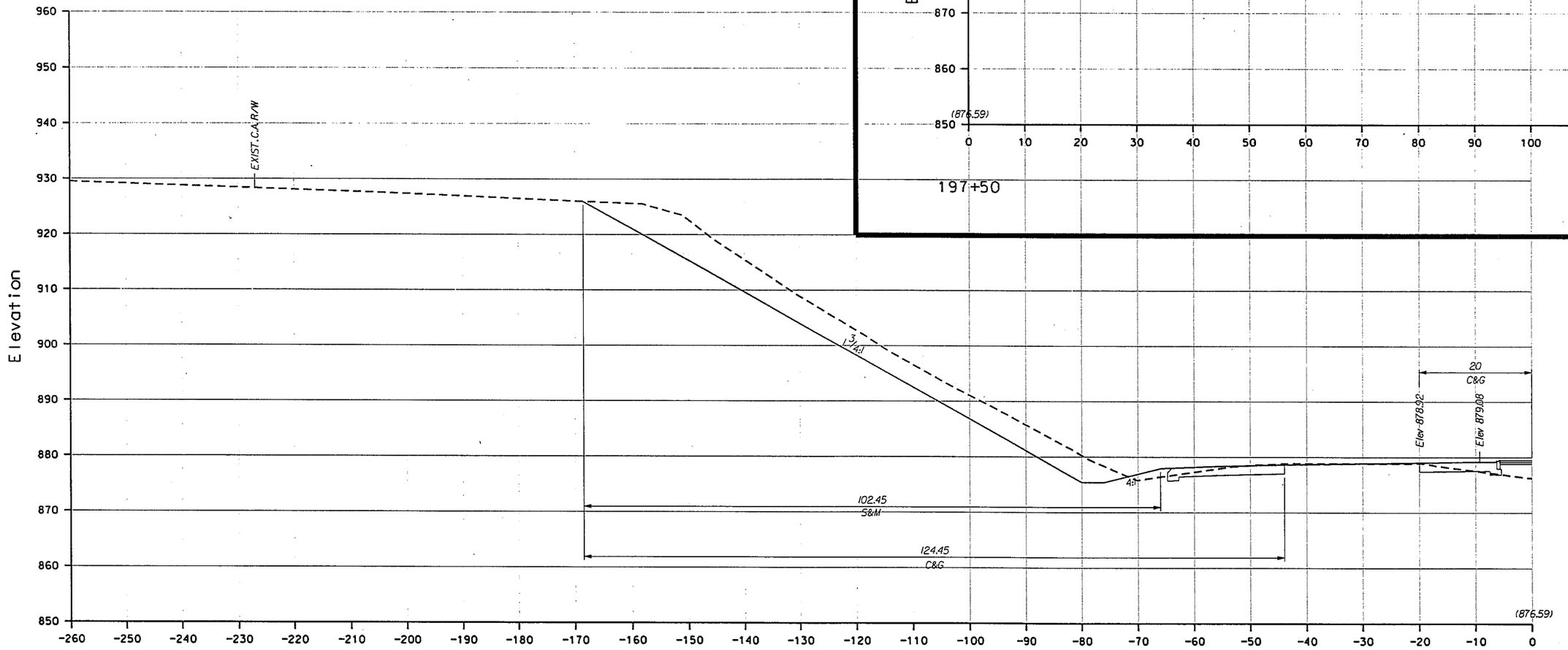
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

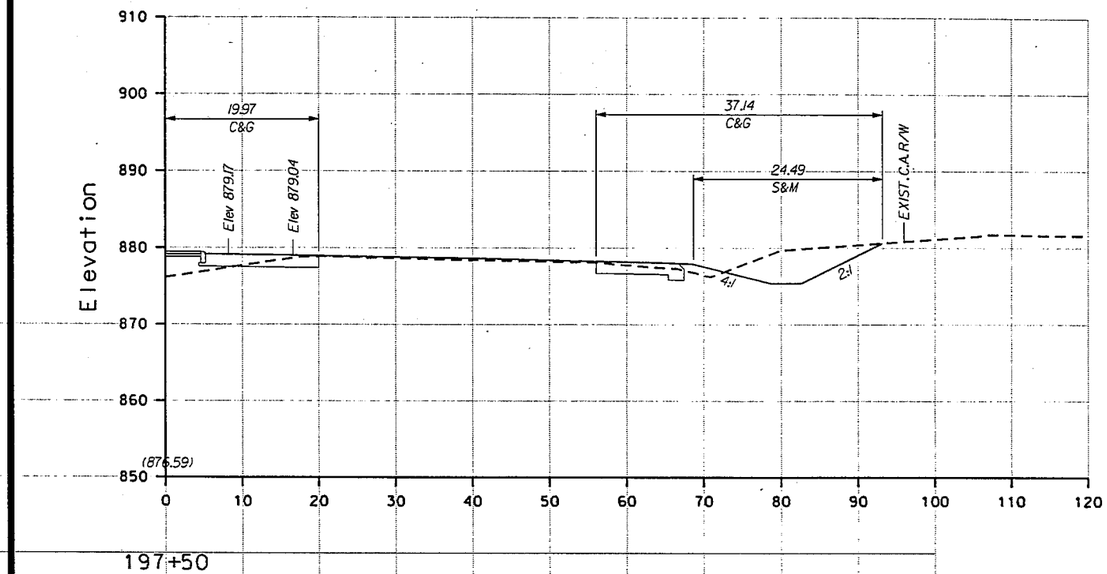
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTION

Sta. 197+00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	173	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
197+50.		126.94		201.56		550.05		85.3				35.49		0.0			
	50		5337.3		9044.0		771.7		149.8				82.5		0.0		

SCALES
10 ft.
0 10 ft. 0

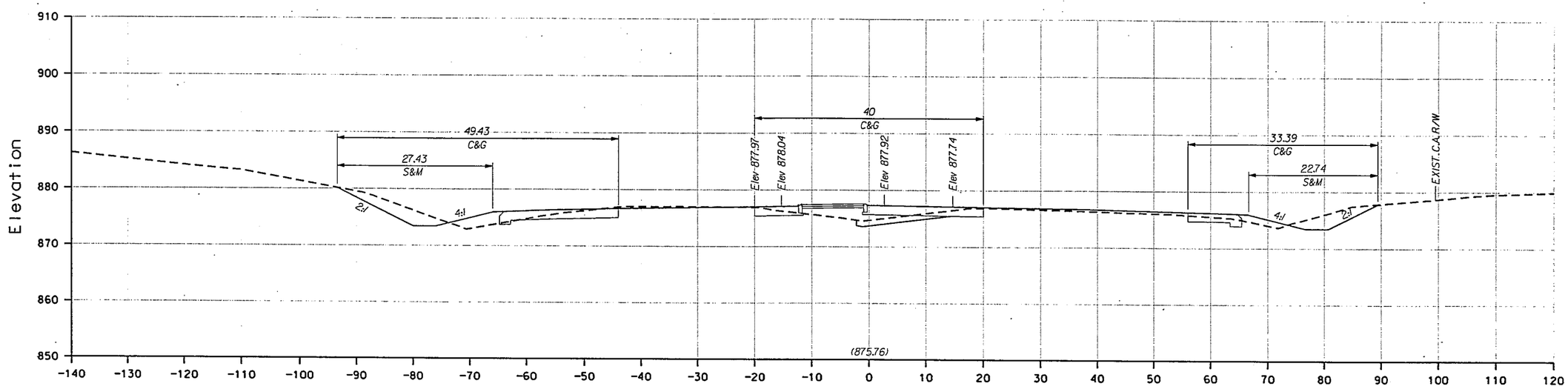
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

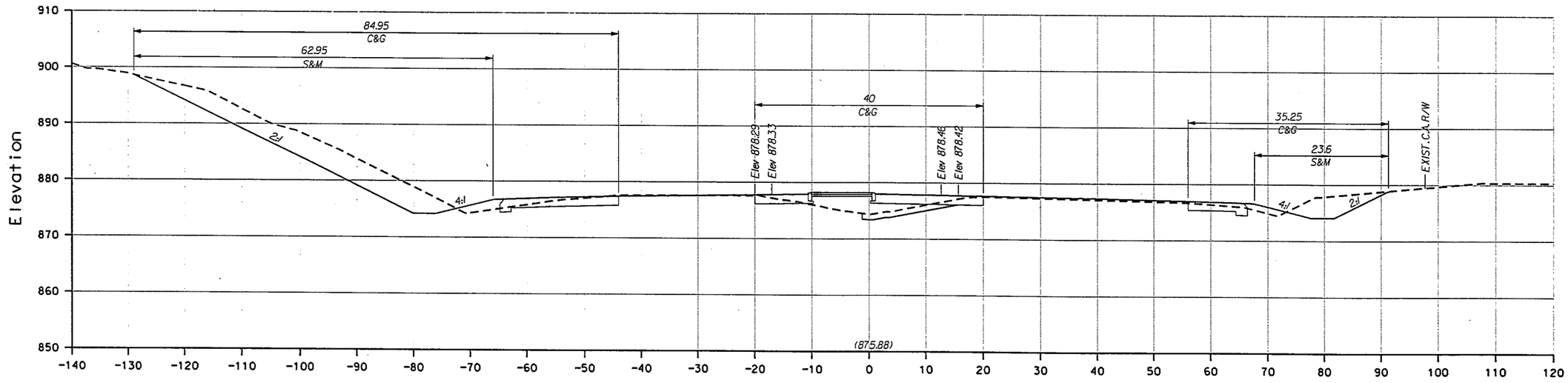
CROSS-SECTION

Sta. 197+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	174	265



198+50



198+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
198+00.		86.55		160.2		283.34		76.4				53.65		0.0			
	50		3418.0		7075.5		358.4		123.4				91.5		0.0		
198+50.		50.17		122.82		103.77		56.8				45.12		0.0			
	50		2479.3		6065.5		175.4		97.0				91.3		0.0		

SCALES
10 ft.
0 10 ft. 0

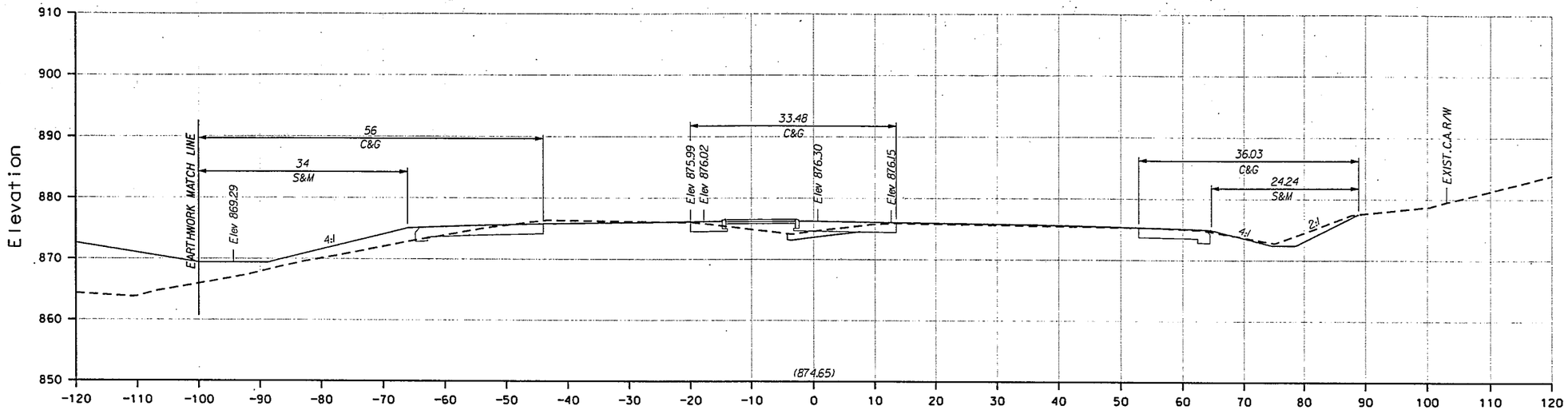
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

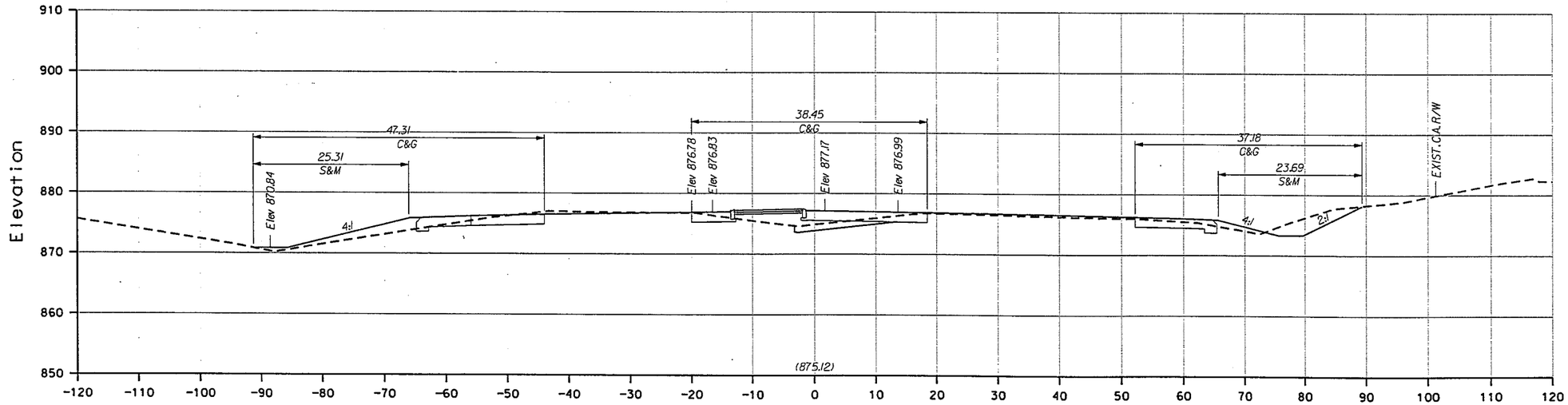
CROSS-SECTIONS

Sta. 198+00 to Sta. 198+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	175	265



199+50



199+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
199+00.		49		119.8		85.68		48.0				53.5		0.0			
	50		2681.0		6132.8		151.		85.6				124.8		0.0		
199+50.		58.24		125.51		77.54		44.5				81.27		0.0			
	50		2650.0		5962.3		130.5		73.2				244.6		0.0		

SCALES
10 ft.
0 10 ft. 0

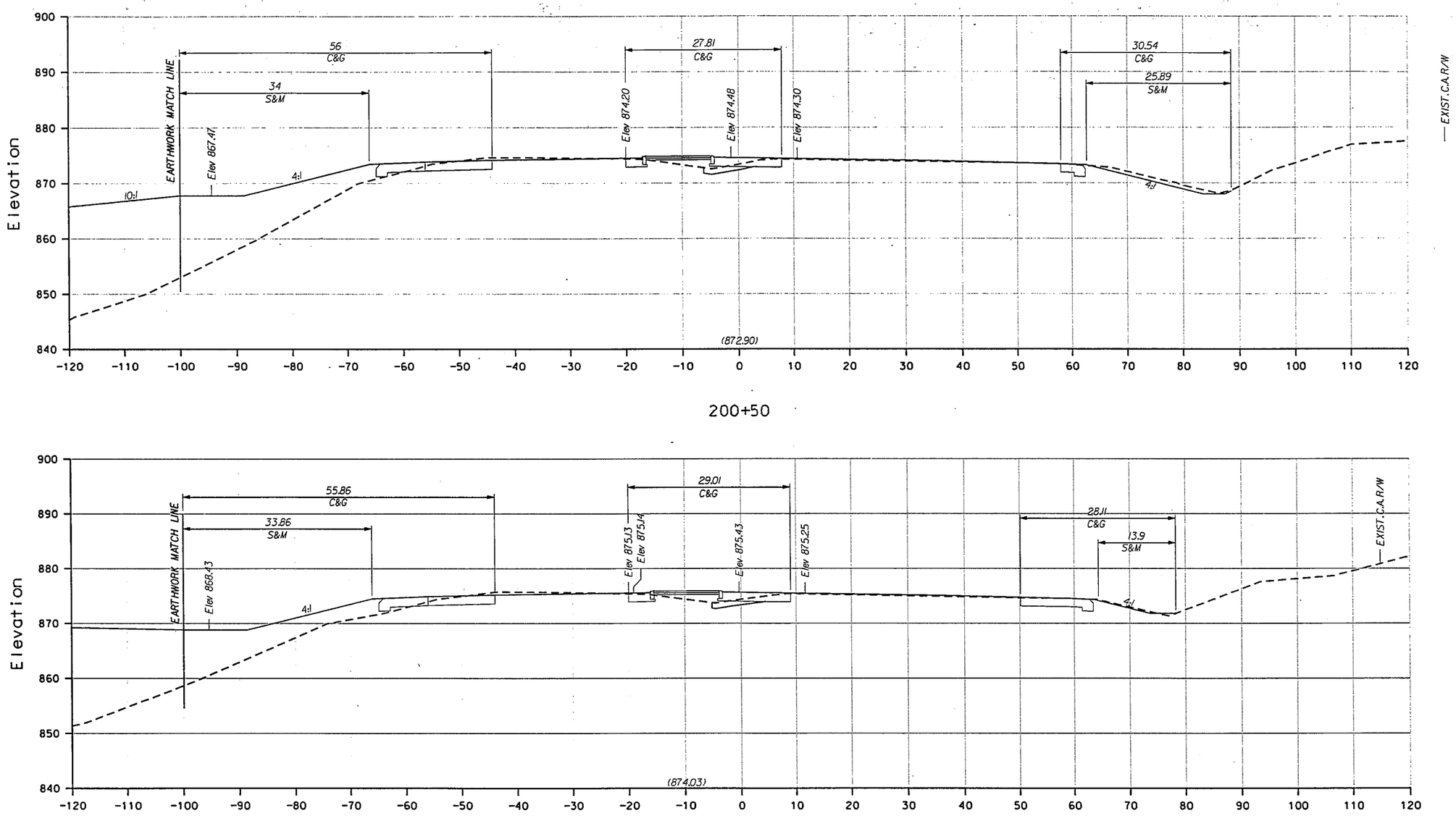
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 199+00 to Sta. 199+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	176	265



STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
200+00.		47.76		112.98		63.36		34.6				182.9		0.0			
	50		2691.3		5683.3		113.7		65.6				430.6		0.0		
200+50.		59.89		114.35		59.42		36.3				282.1		0.0			
	50		2113.3		4308.8		88.4		47.8				317.5		0.0		

SCALES
10 ft.
0 10 ft. 0

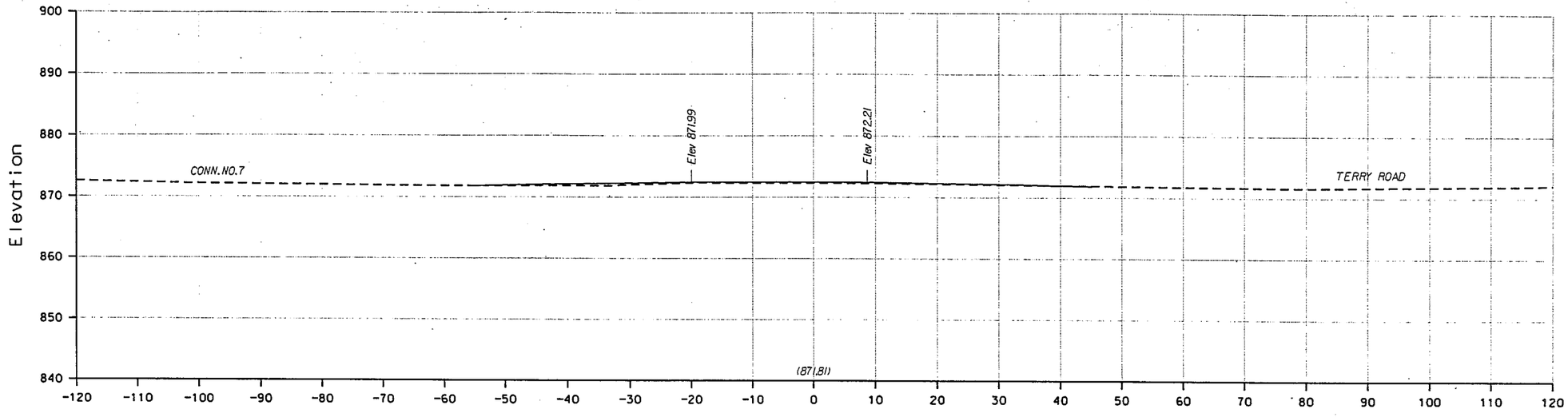
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

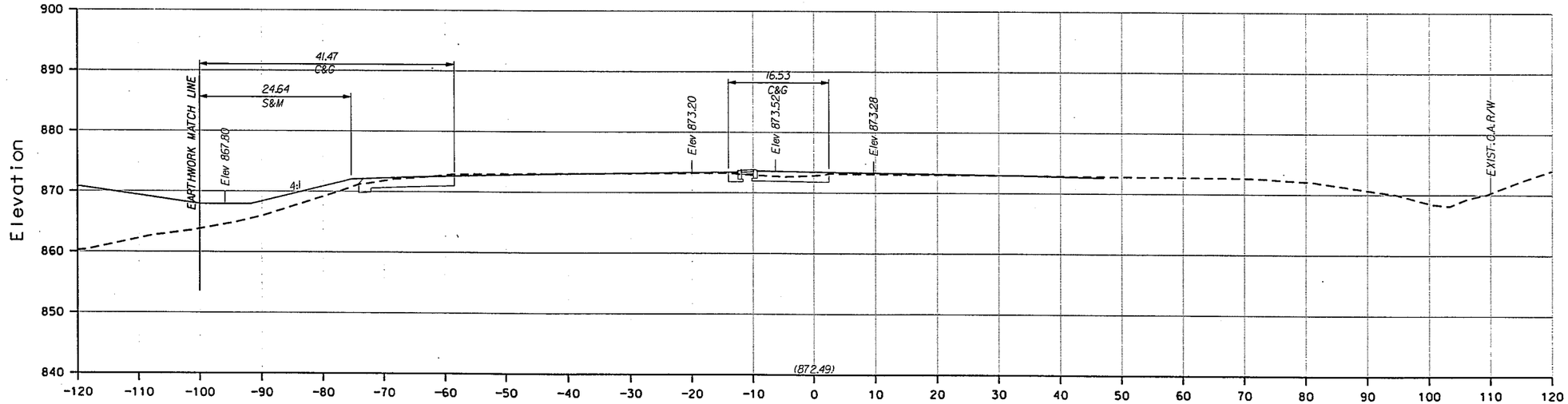
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 200+00 to Sta. 200+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	177	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
201+00.		24.64		58		36		15.3				60.72		0.0			
	50		616.0		1450.0		33.3		14.2				56.2		0.0		
201+50.		0		0		0		0.0				0		0.0			
	50		0.0		396.3		17.1		7.4				0.0		0.0		

SCALES
10 ft.
0 10 ft. 0

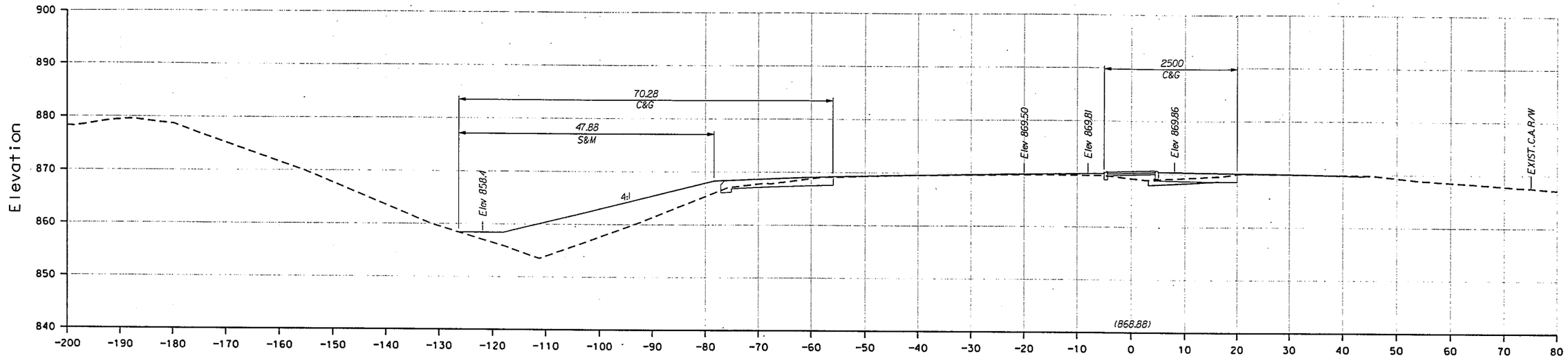
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

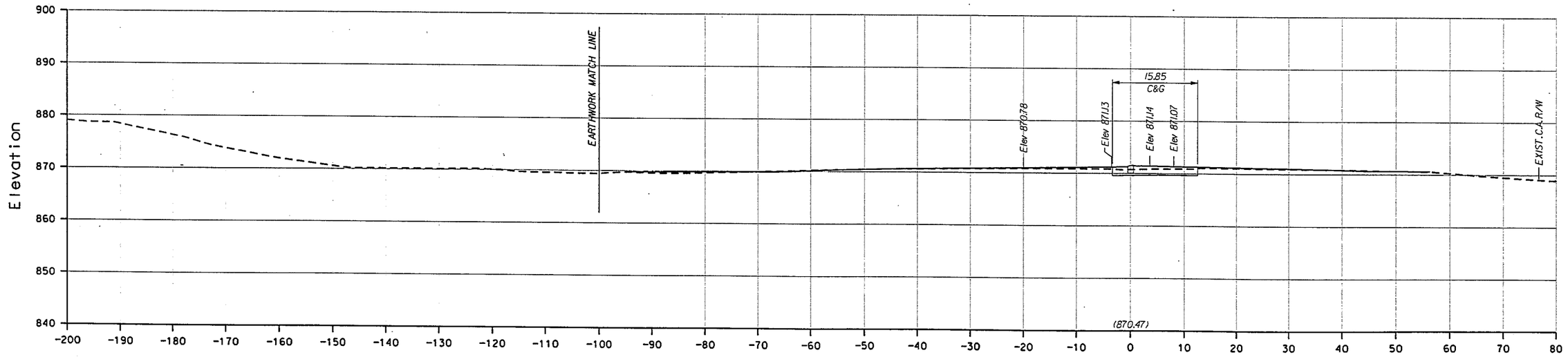
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 201+00 to Sta. 201+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	178	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
202+00.		0		15.85		18.43		8.0				0		0.0			
	50		1197.0		2778.3		45.1		30.3				185.6		0.0		
202+50.		47.88		95.28		30.29		24.7				200.5		0.0			
	50		2288.8		4649.0		48.9		37.7				435.8		0.0		

SCALES
10 ft.
0 10 ft. 0

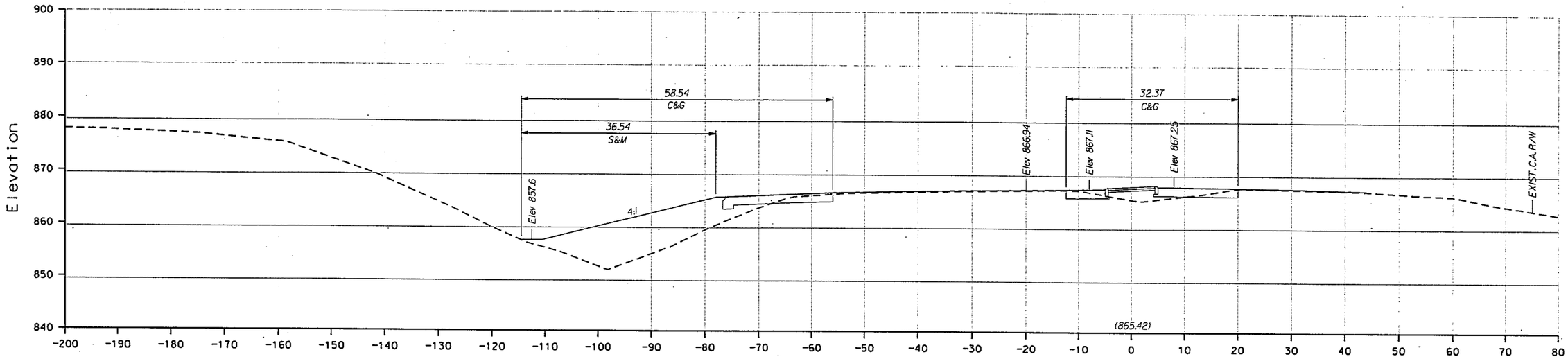
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

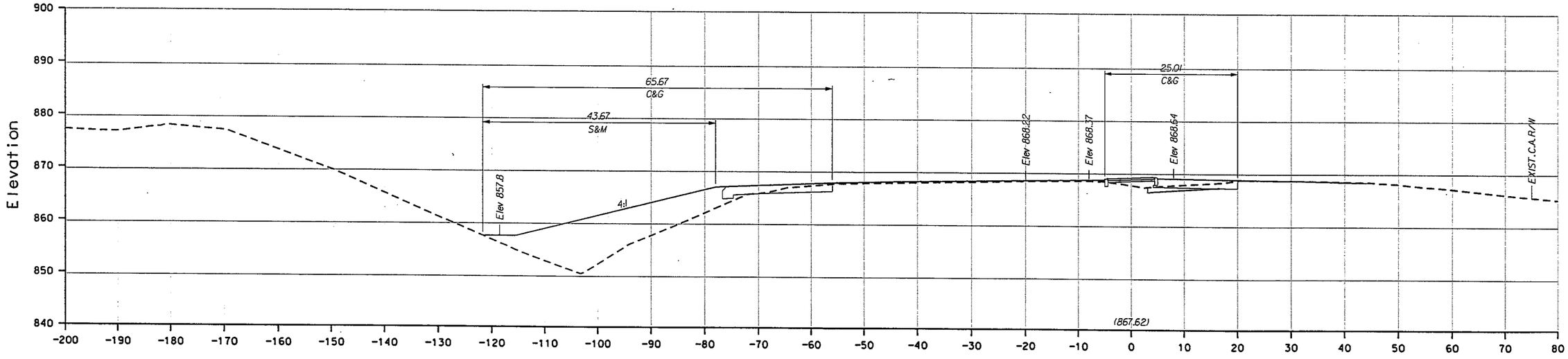
CROSS-SECTIONS

Sta. 202+00 to Sta. 202+50

Public Roads Dis.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	179	265



203+50



203+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
203+00.		43.67		80.68		22.56		16.0				270.2		0.0			
	50		2005.3		4539.8		45.0		27.5				475.9		0.0		
203+50.		36.54		80.91		26.06		13.8				243.8		0.0			
	50		1638.8		4499.0		48.3		25.6				251.4		0.0		

SCALES

10 ft. 0 — 0 10 ft.

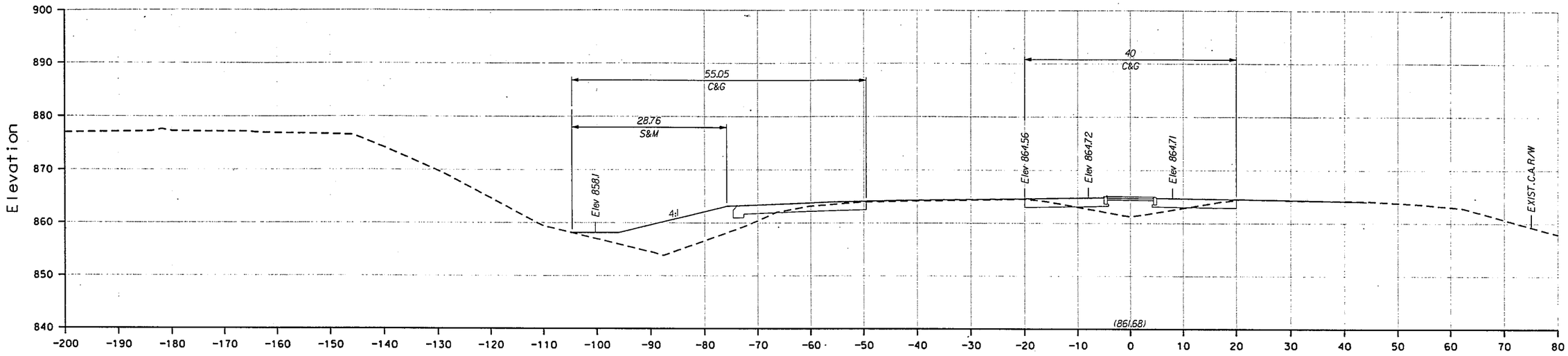
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

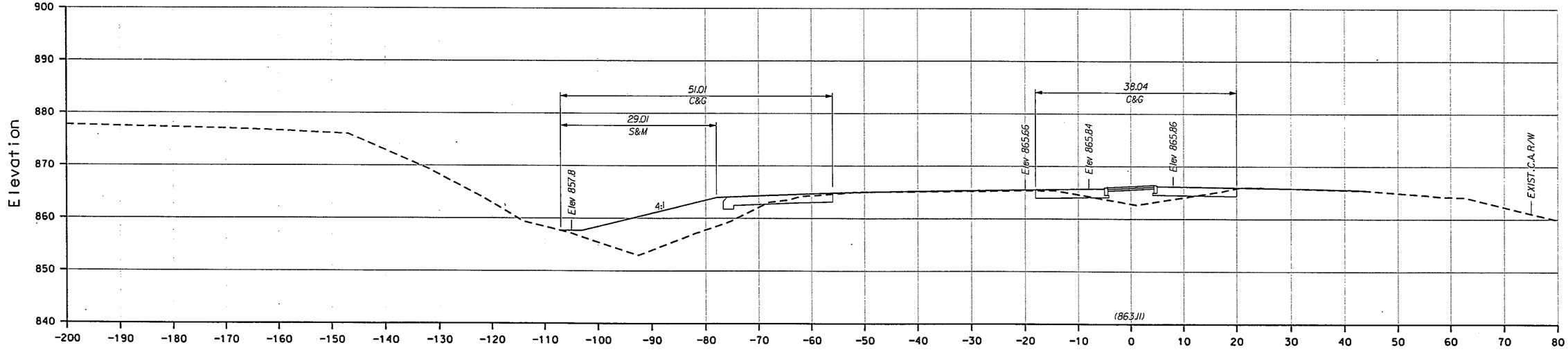
CROSS-SECTIONS

Sta. 203+00 to Sta. 203+50

Public Roads Div.	State Dist. no.	State Project no.	Federal Project no.	Fiscal Year	COUNTY	Sheet no.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	180	265



204+50



204+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
204+00.		29.01		89.05		26.11		13.9				27.7		0.0			
	50		1444.3		4602.5		51.3		29.3				173.9		0.0		
204+50.		28.76		95.05		29.29		17.8				160.2		0.0			
	50		1407.8		4697.8		48.5		32.3				314.6		0.0		

SCALES
10 ft.
0 10 ft. 0

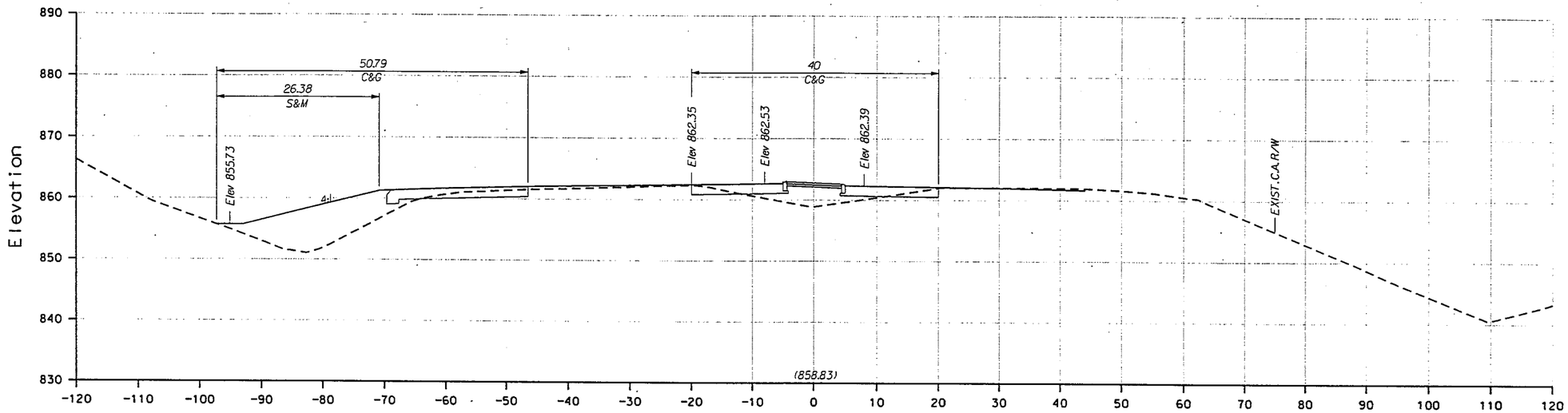
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

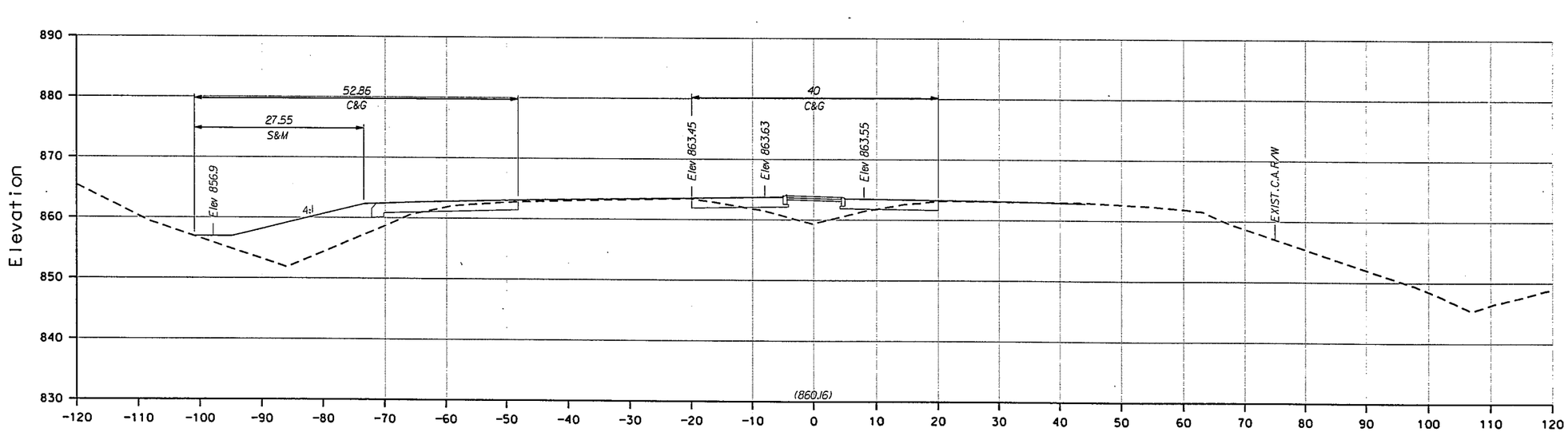
CROSS-SECTIONS

Sta. 204+00 to Sta. 204+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -115- 11.70 00		2001	KANAWHA	181	265



205+50



205+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
205+00.		27.55		92.86		23.08		17.0				179.7		0.0			
	50		1348.3		4591.3		41.6		31.6				323.5		0.0		
205+50.		26.38		90.79		21.8		17.1				169.7		0.0			
	50		1317.3		4537.3		45.4		35.0				297.4		0.0		

SCALES
10 ft.
0 10 ft. 0

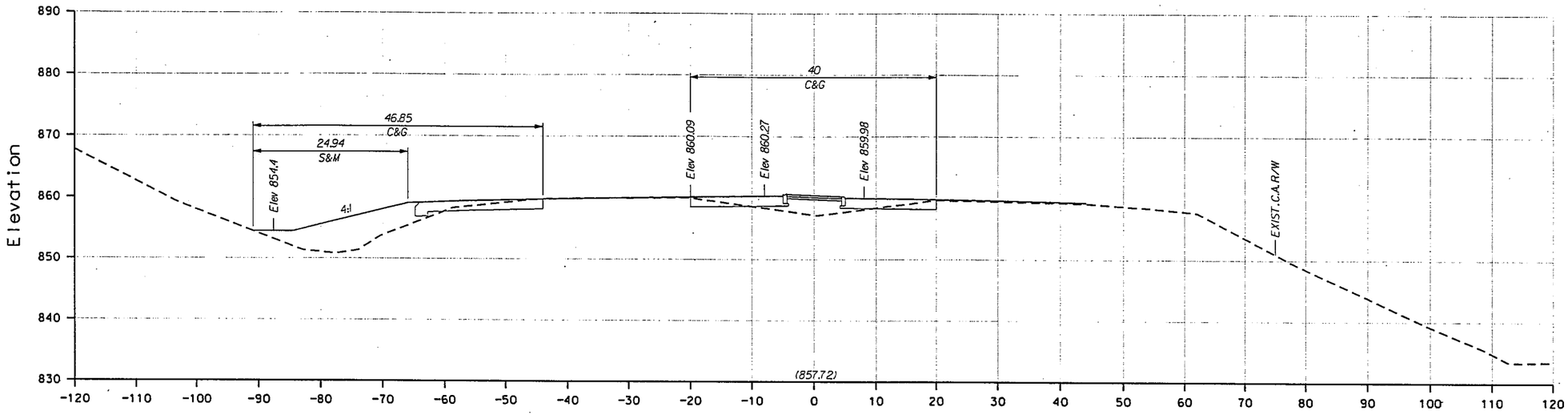
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

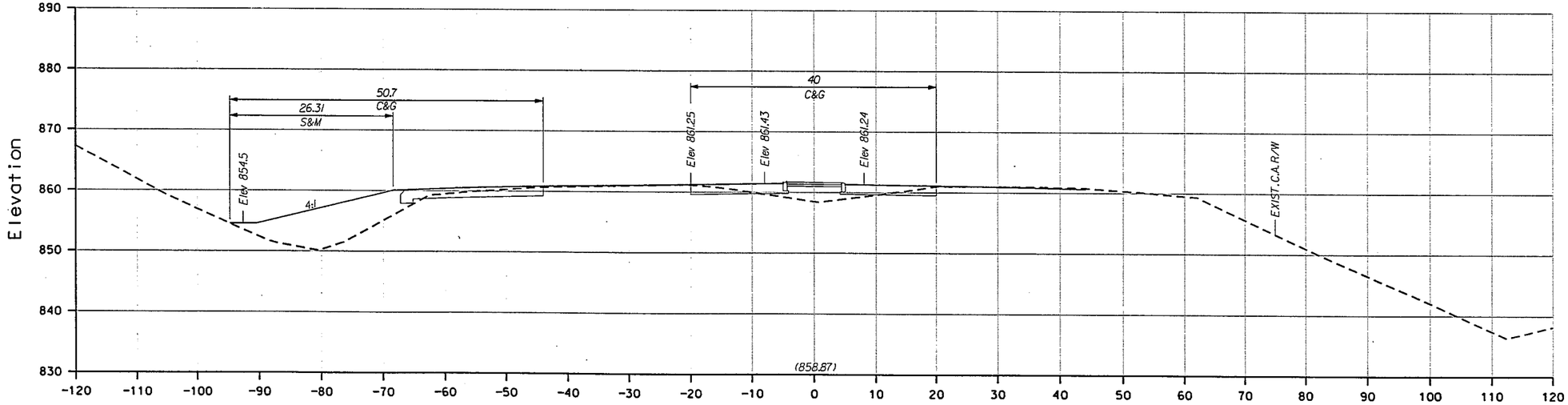
CROSS-SECTIONS

Sta. 205+00 to Sta. 205+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	182	265



206+50



206+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
206+00.		26.31		90.7		27.25		20.7				151.5		0.0			
	50		1281.3		4438.8		47.9		36.2				254.0		0.0		
206+50.		24.94		86.85		24.5		18.3				122.8		0.0			
	50		1054.5		4152.3		46.0		46.0				180.0		0.0		

SCALES
10 ft.
0 10 ft. 0

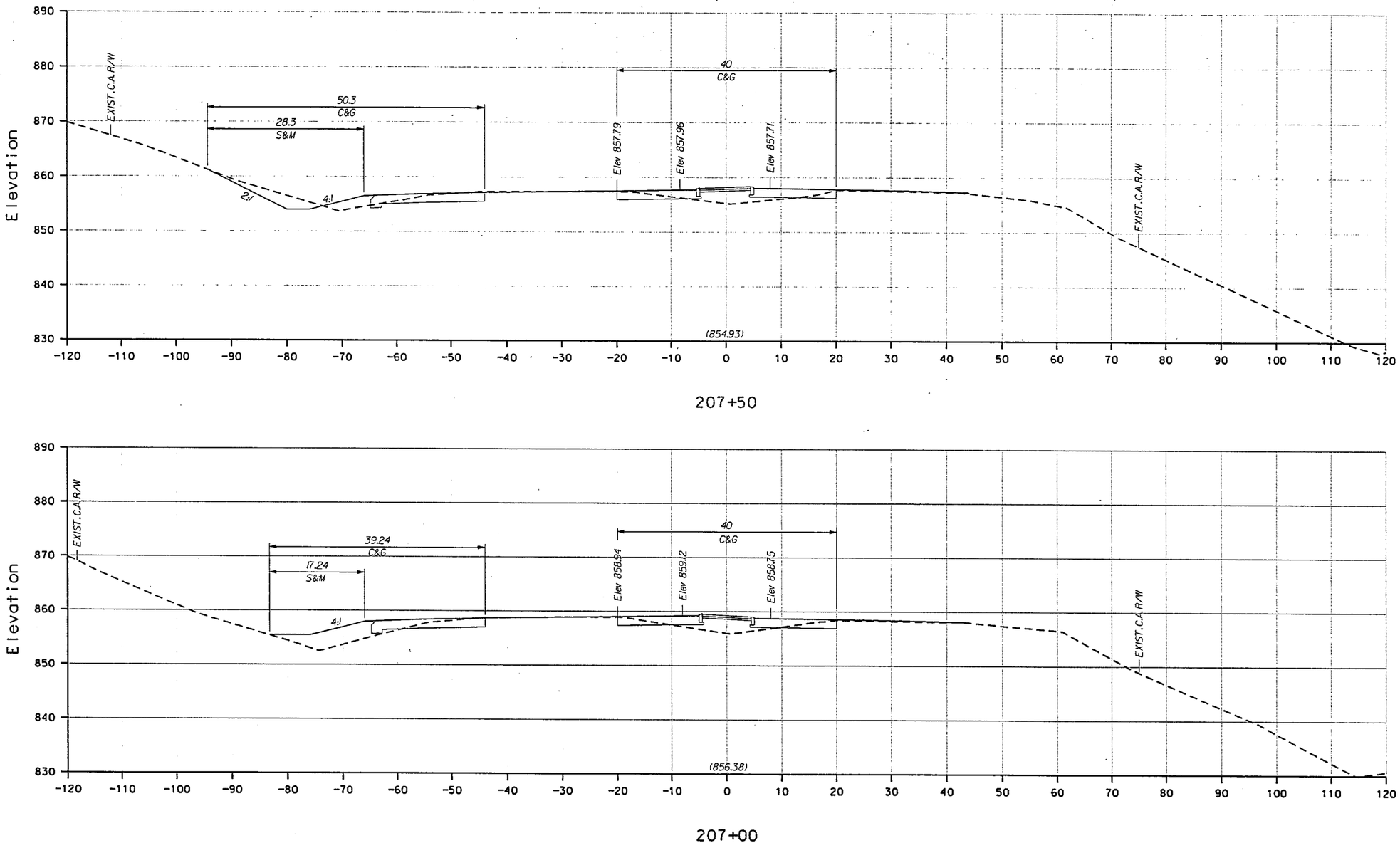
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 206+00 to Sta. 206+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	183	265



STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
207+00.		17.24		79.24		25.13		25.1				71.6		0.0			
	50		1138.5		4238.5		72.3		51.9				99.9		0.0		
207+50.		28.3		90.3		52.98		30.9				36.27		0.0			
	50		1366.0		4466.0		117.2		57.4				69.5		0.0		

SCALES
10 ft.
0 10 ft. 0

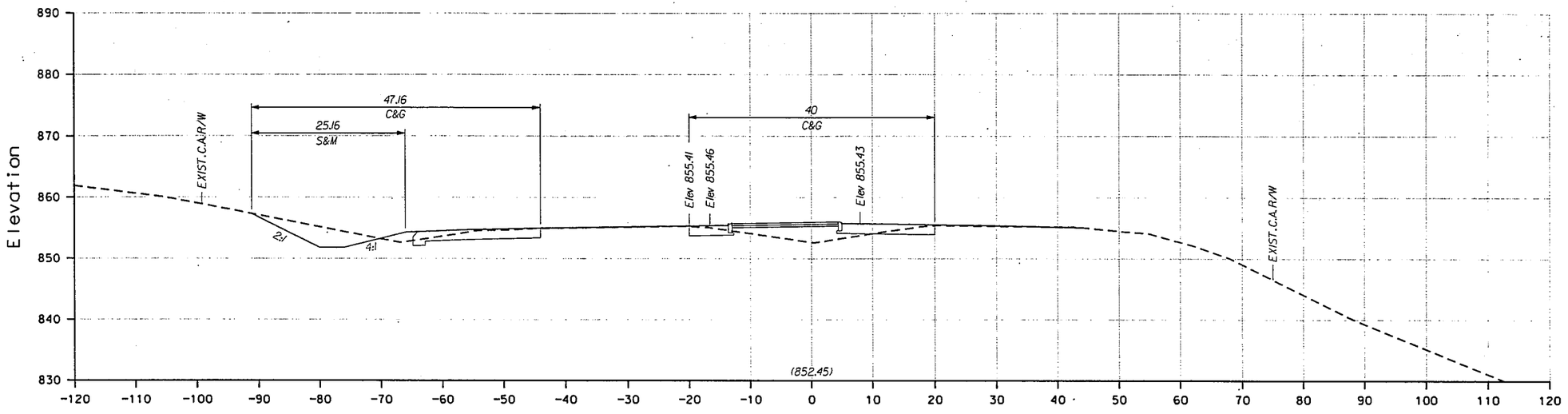
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

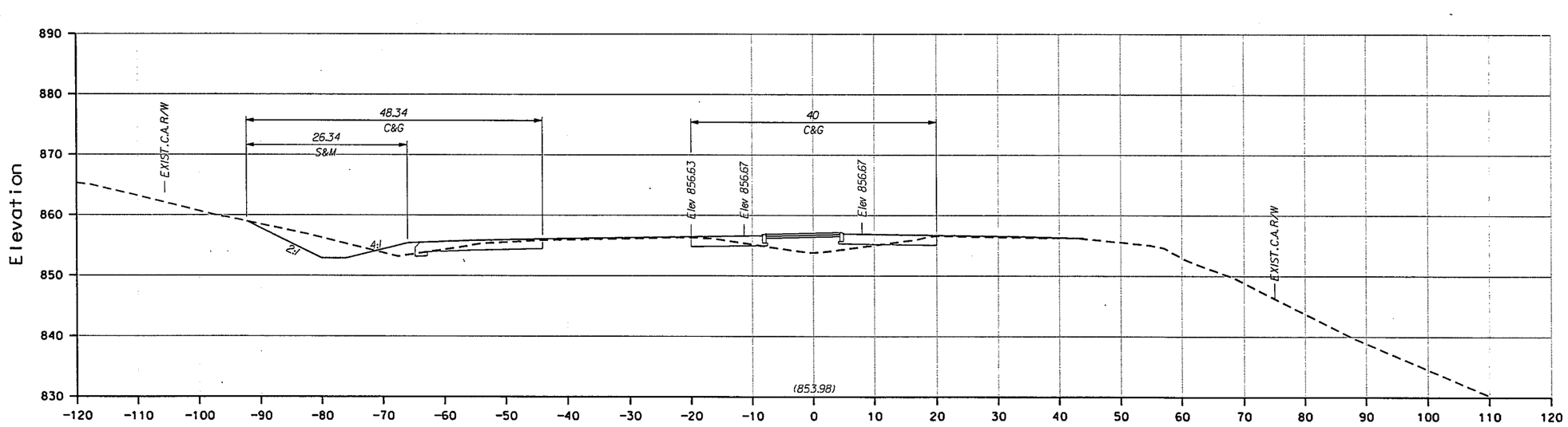
CROSS-SECTIONS

Sta. 207+00 to Sta. 207+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	184	265



208+50



208+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
208+00.		26.34		88.34		73.64		31.0				38.75		0.0			
	50		1287.5		4387.5		141.9		56.1				72.3		0.0		
208+50.		25.16		87.16		79.66		29.6				39.36		0.0			
	50		1257.0		4357.0		141.6		52.8				74.6		0.0		

SCALES

10 ft. 0 10 ft. 0

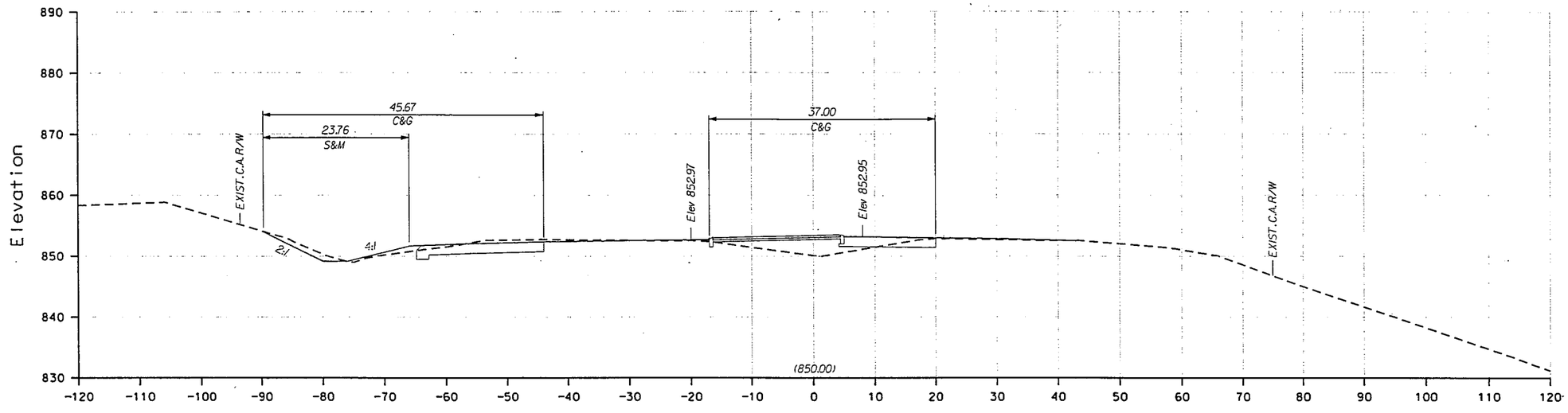
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

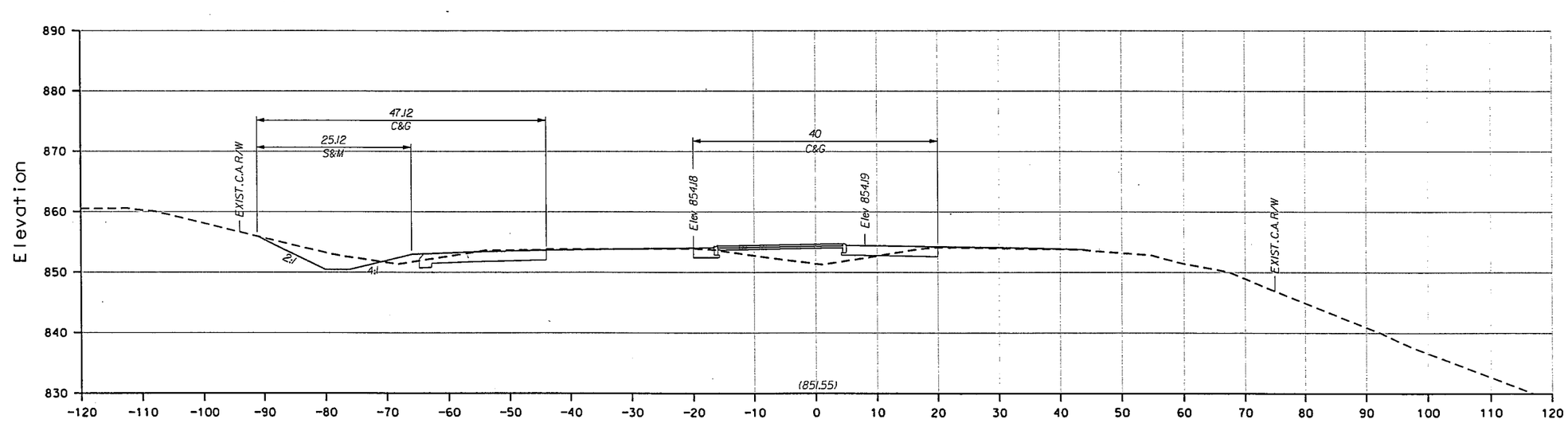
CROSS-SECTIONS

Sta. 208+00 to Sta. 208+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	185	265



209+50



209+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
209+00.		25.12		87.12		73.24		27.5				41.18		0.0			
	50		1222.0		4244.8		113.1		45.9				77.4		0.0		
209+50.		23.76		82.67		48.9		22.1				42.44		0.0			
	50		1074.3		4023.0		78.4		54.8				107.8		0.0		

SCALES

10 ft. 0 — 0 10 ft.

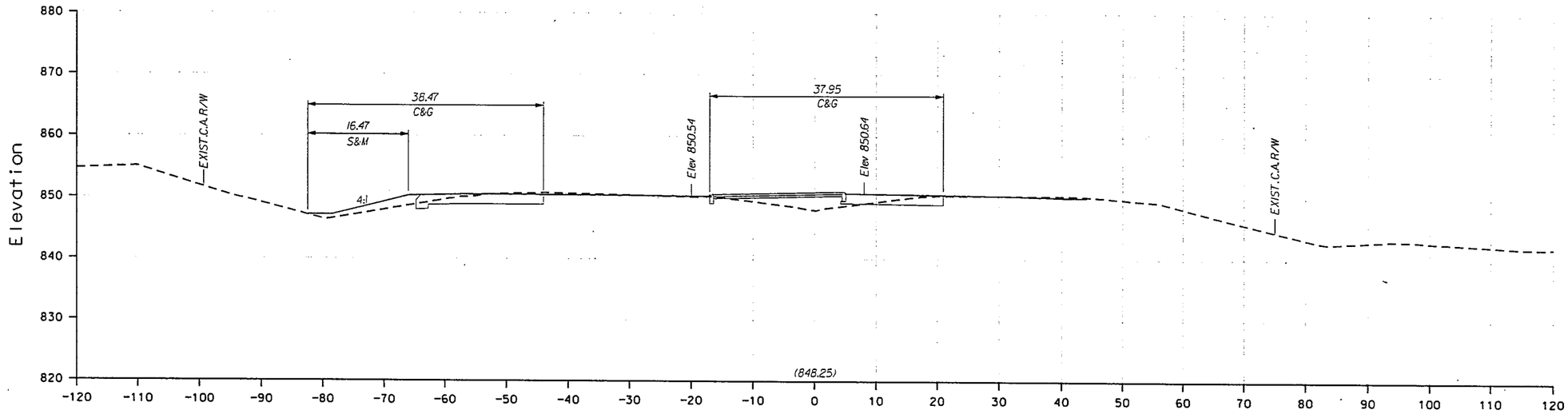
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

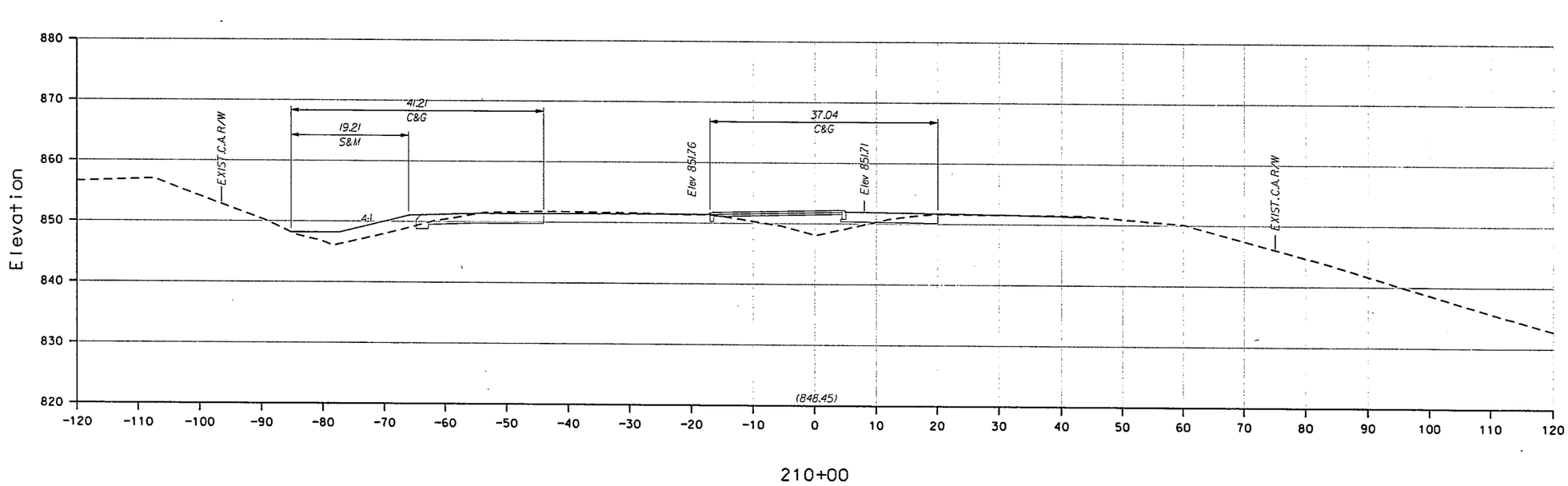
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 209+00 to Sta. 209+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	186	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
210+00.		19.21		78.25		35.74		15.5				74.01		0.0			
	50		892.0		3866.8		68.4		29.9				106.2		0.0		
210+50.		16.47		76.42		38.1		16.9				40.73		0.0			
	50		824.0		3820.0		74.8		34.7				66.2		0.0		

SCALES

10 ft. 0 — 0 10 ft.

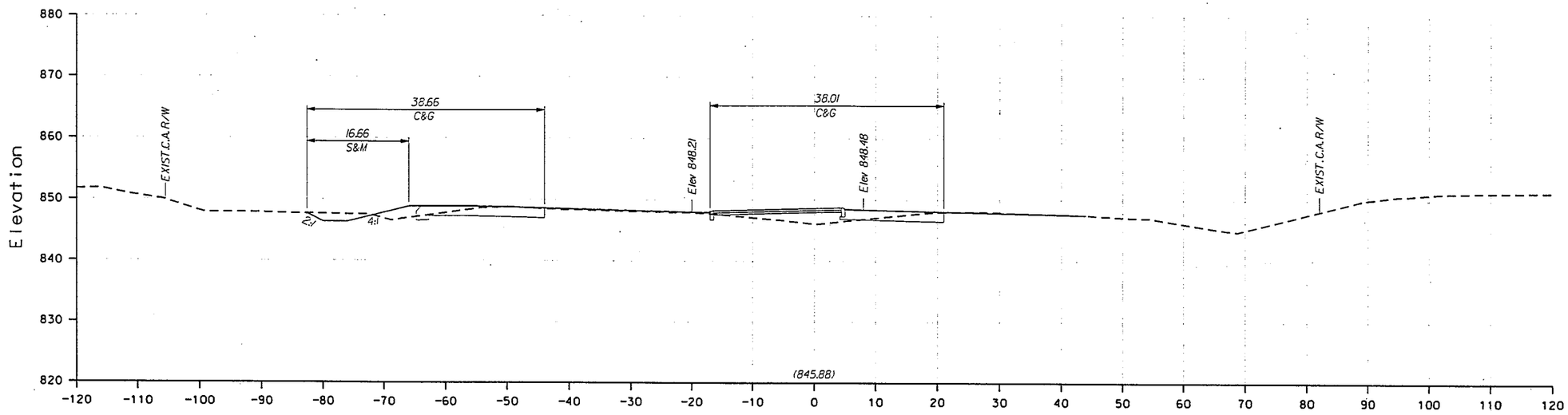
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

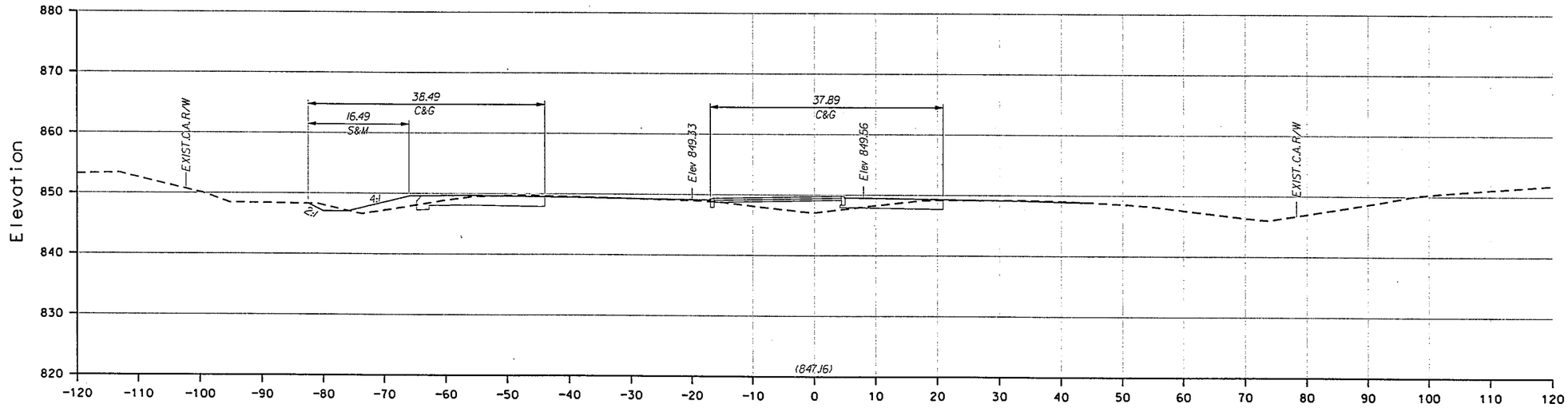
CROSS-SECTIONS

Sta. 210+00 to Sta. 210+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	187	265



211+50



211+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
211+00.		16.49		76:38		42.7		20.7				30.74		0.0			
	50		828.8		3826.3		81.2		40.1				51.4		0.0		
211+50.		16.66		76.67		45		22.7				24.75		0.0			
	50		958.3		3951.0		94.5		44.8				42.0		0.0		

SCALES
10 ft.
0 10 ft. 0

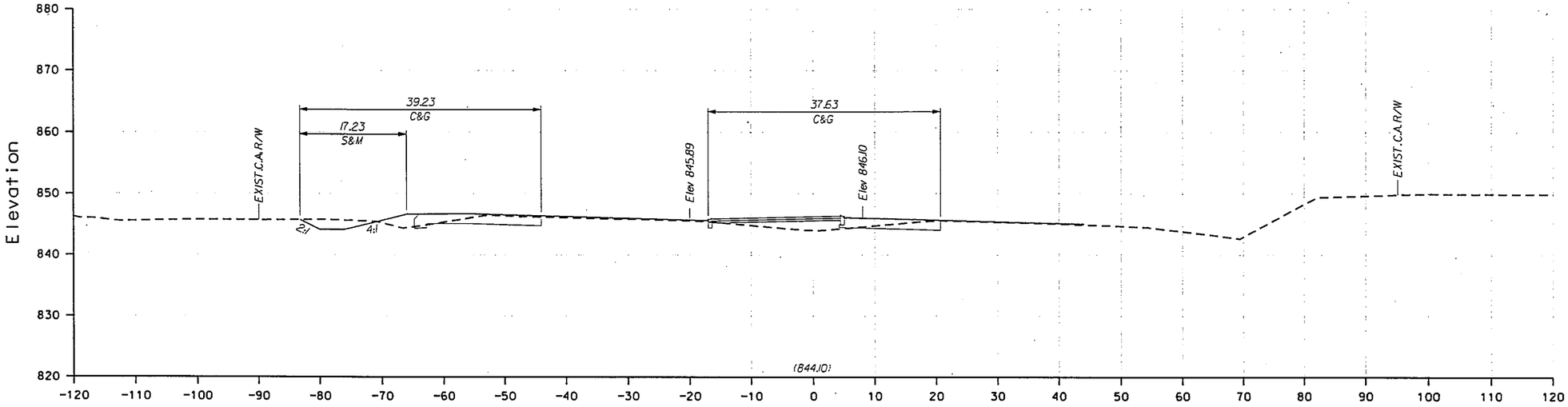
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

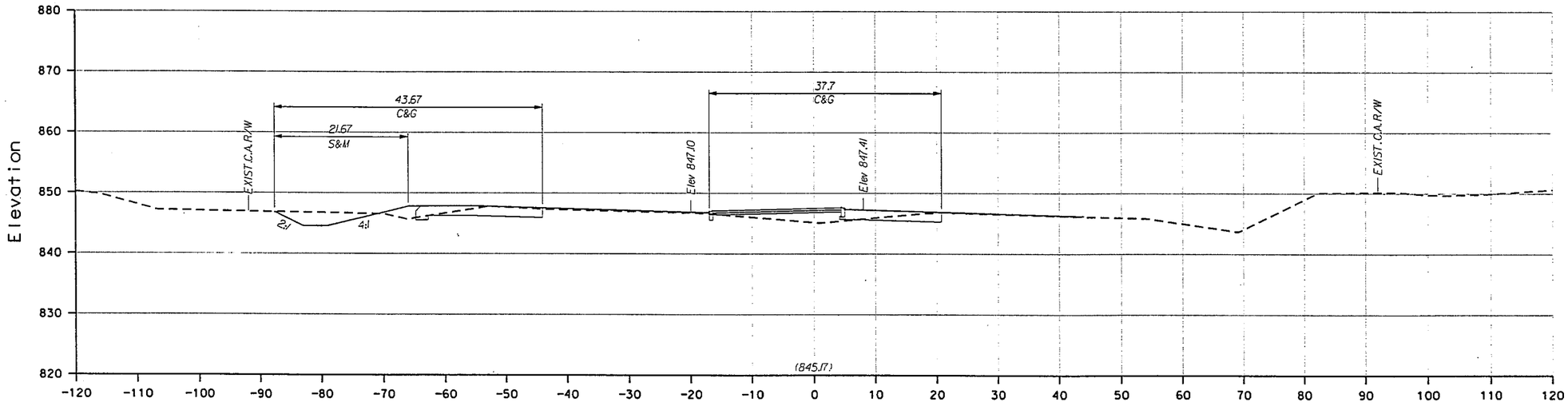
CROSS-SECTIONS

Sta. 211+00 to Sta. 211+50

Public Roads Dis.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	188	265



212+50



212+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
212+00.		21.67		81.37		57.03		25.7				20.56		0.0			
	50		972.5		3955.8		93.6		45.8				38.2		0.0		
212+50.		17.23		76.86		44.04		23.8				20.69		0.0			
	50		839.0		3807.0		76.4		43.4				37.8		0.0		

SCALES
10 ft.
0 10 ft. 0

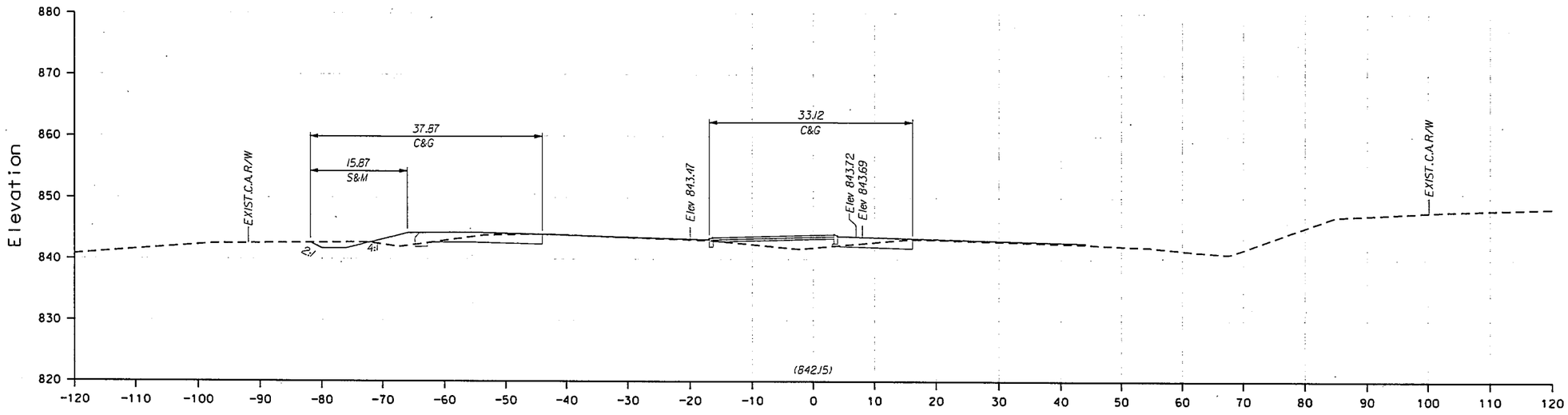
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

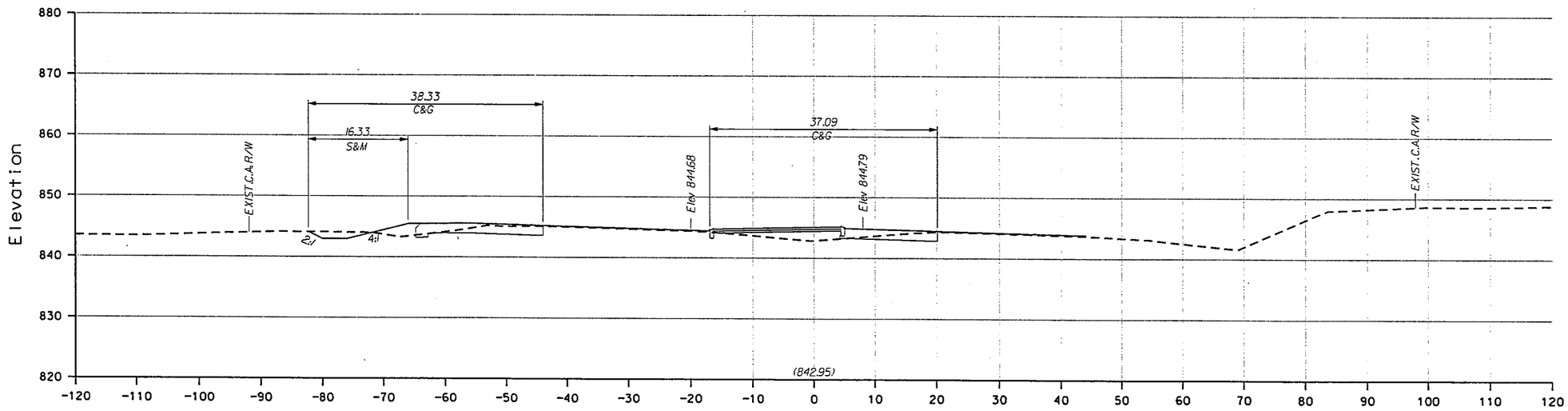
CROSS-SECTIONS

Sta. 212+00 to Sta. 212+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	189	265



213+50



213+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
213+00.		16.33		75.42		38.42		23.1				20.15		0.0			
	50		805.0		3660.3		69.6		41.6				37.1		0.0		
213+50.		15.87		70.99		36.74		21.8				19.94		0.0			
	50		826.0		3465.8		71.8		47.0				37.2		0.0		

SCALES

10 ft.

0 10 ft. 0

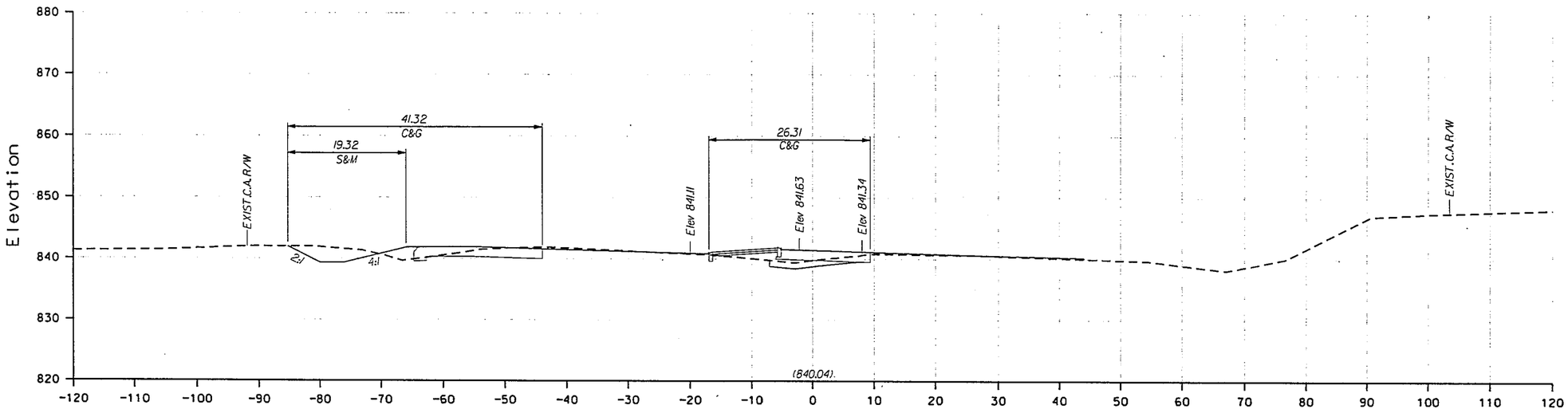
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 213+00 to Sta. 213+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	190	265



214+50

214+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
214+00.		17.17		67.64		40.78		28.9				20.22		0.0			
	50		912.3		3381.8		83.4		57.7				33.7		0.0		
214+50.		19.32		67.63		49.29		33.4				16.14		0.0			
	50		969.3		3361.5		95.0		63.9				28.2		0.0		

SCALES

10 ft. 0 — 0 10 ft.

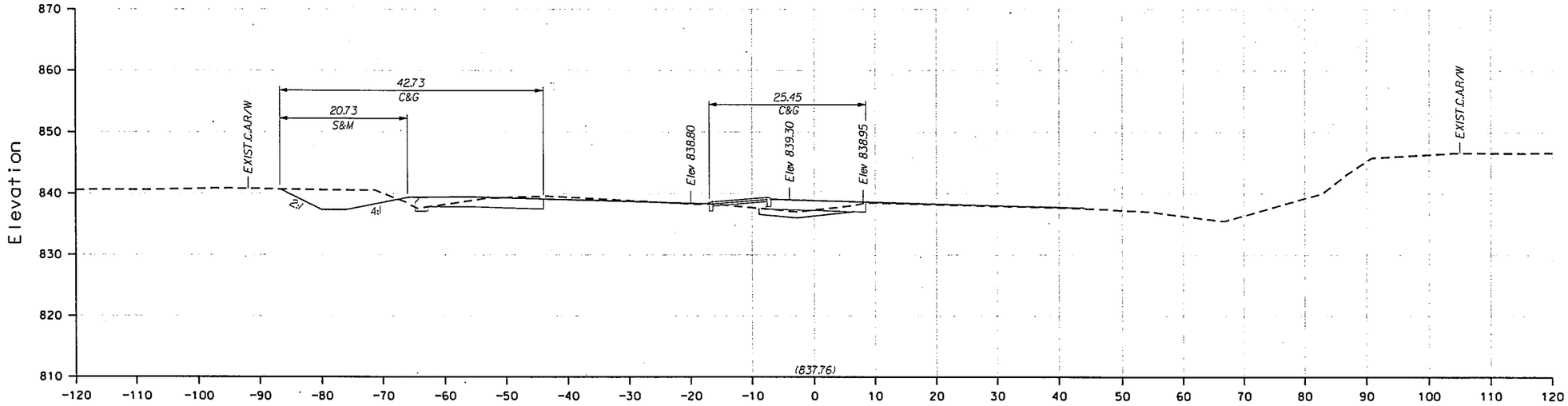
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

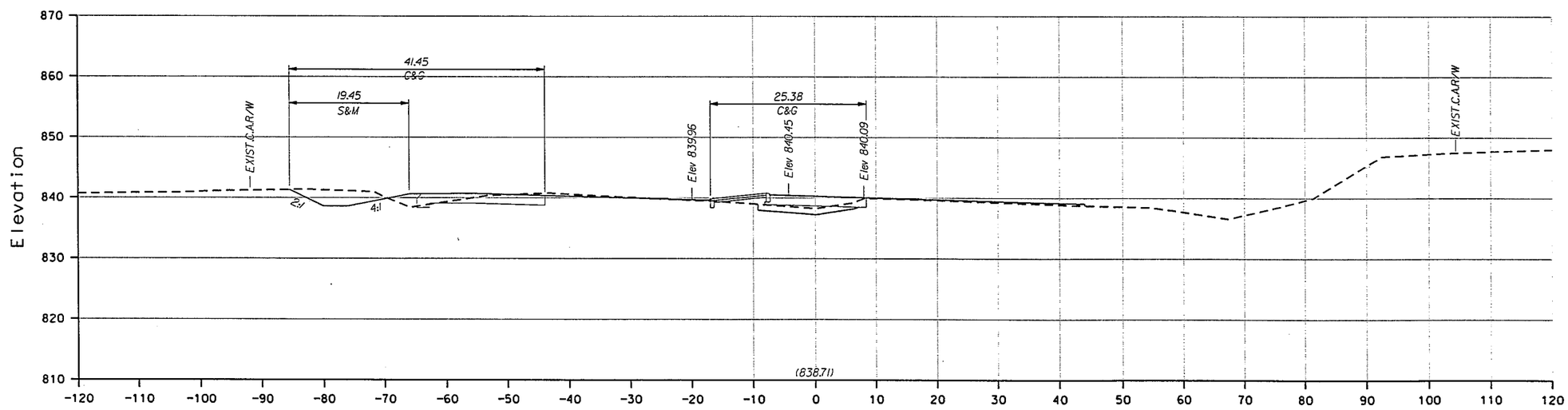
CROSS-SECTIONS

Sta. 214+00 to Sta. 214+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	191	265



215+50



215+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
215+00.		19.45		66.83		53.33		35.7				14.36		0.0			
	50		1004.5		3375.3		115.3		66.8				20.8		0.0		
215+50.		20.73		68.18		71.14		36.5				8.09		0.0			
	50		1073.8		3435.0		131.5		57.9				16.3		0.0		

SCALES

10 ft.

0 10 ft. 0

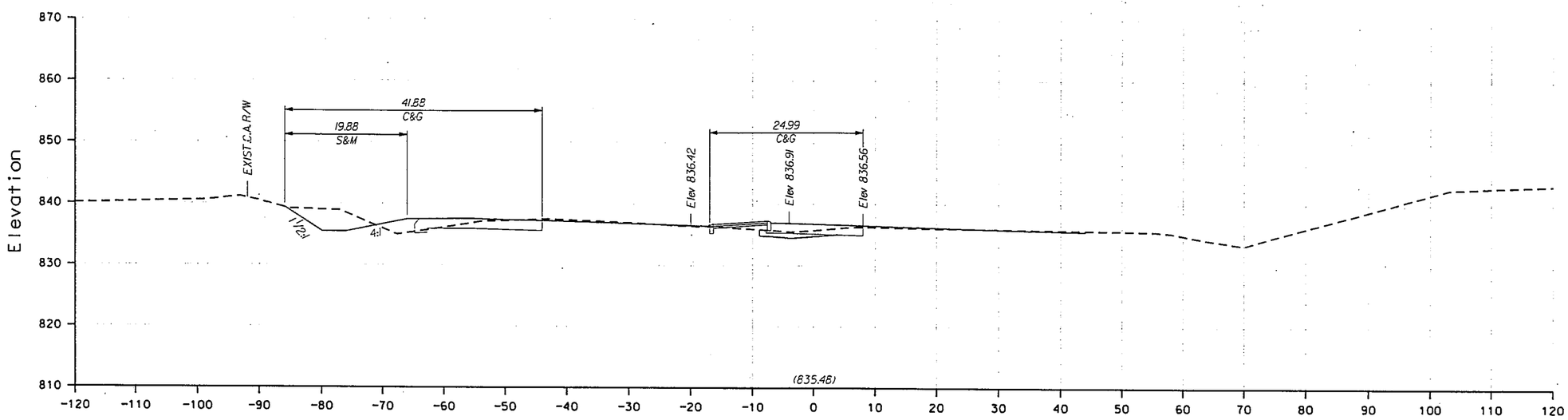
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

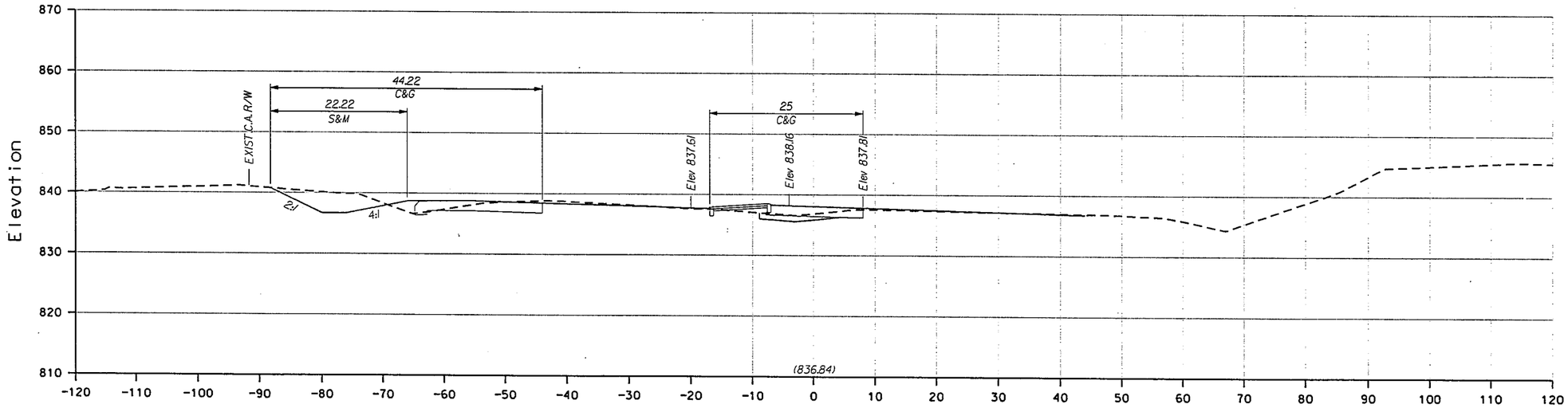
CROSS-SECTIONS

Sta. 215+00 to Sta. 215+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	192	265



216+50



216+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
216+00.		22.22		69.22		70.85		36.8				9.46		0.0			
	50		1052.5		3402.3		123.5		64.4				21.3		0.0		
216+50.		19.88		66.87		62.57		32.8				13.49		0.0			
	50		991.3		3340.8		116.9		61.2				26.5		0.0		

SCALES

10 ft.

0 10 ft. 0

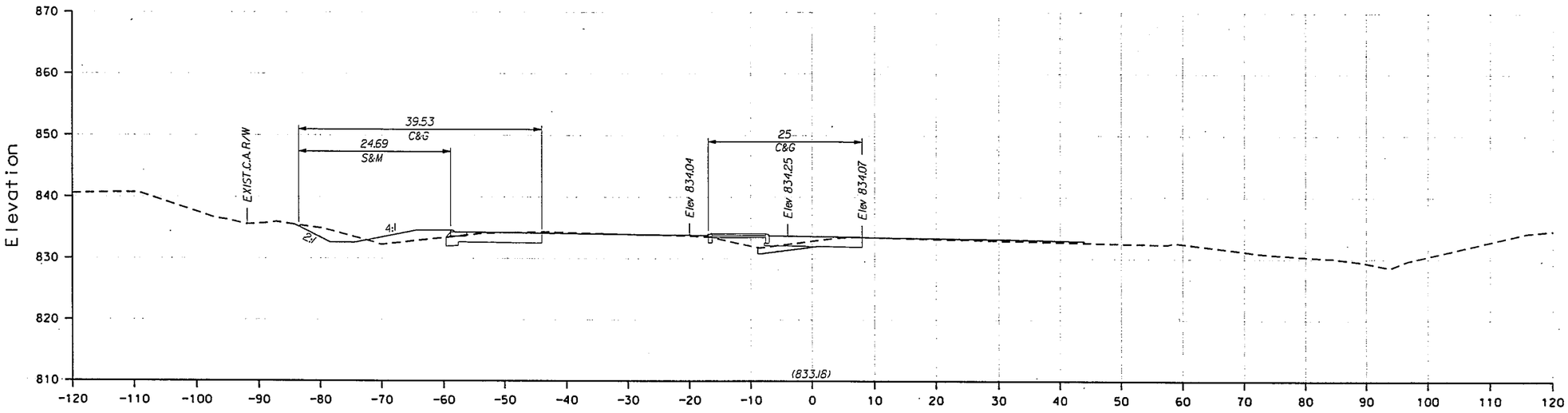
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

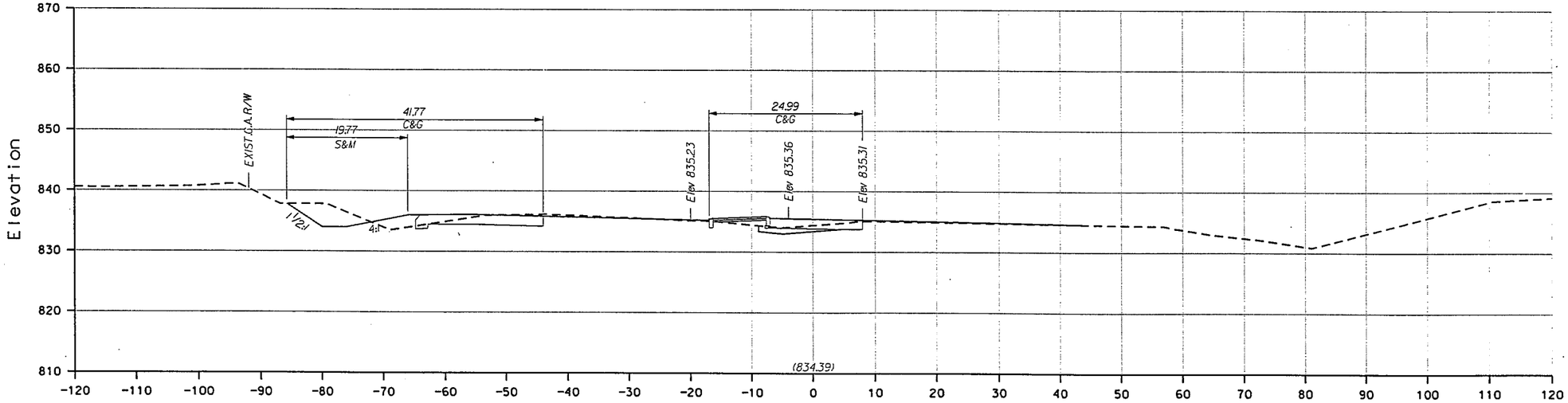
CROSS-SECTIONS

Sta. 216+00 to Sta. 216+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	193	265



217+50



217+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
217+00.		19.77		66.76		63.72		33.3				15.14		0.0			
	50		1111.5		3282.3		105.1		56.1				37.1		0.0		
217+50.		24.69		64.53		49.75		27.3				24.93		0.0			
	50		1038.3		2397.0		83.8		40.7				35.8		0.0		

SCALES
10 ft.
0 10 ft. 0

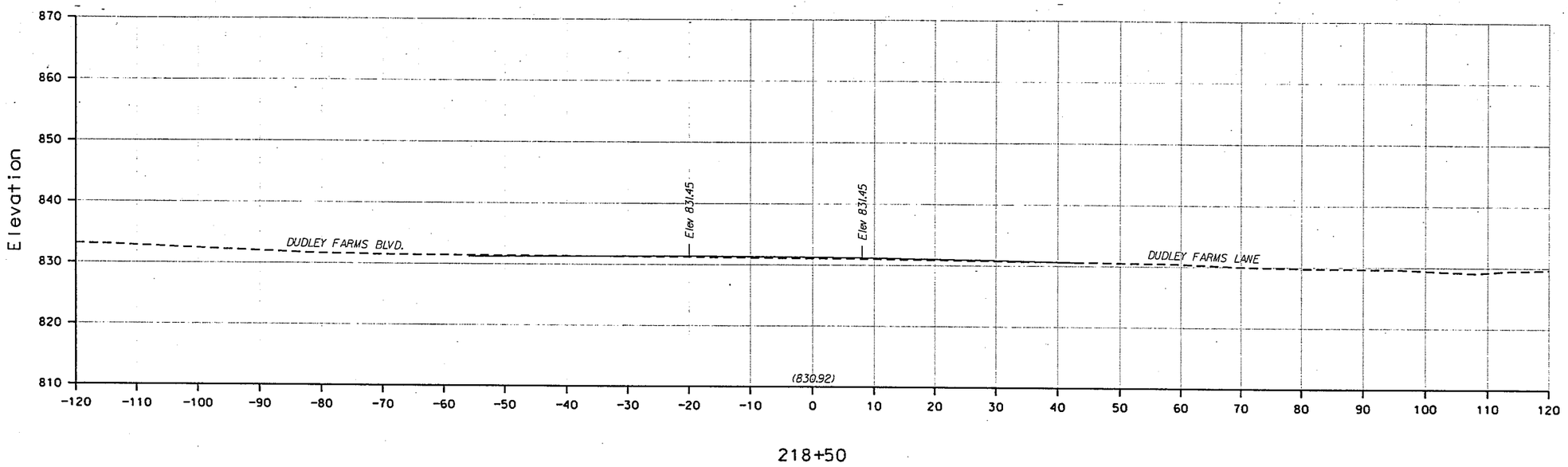
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

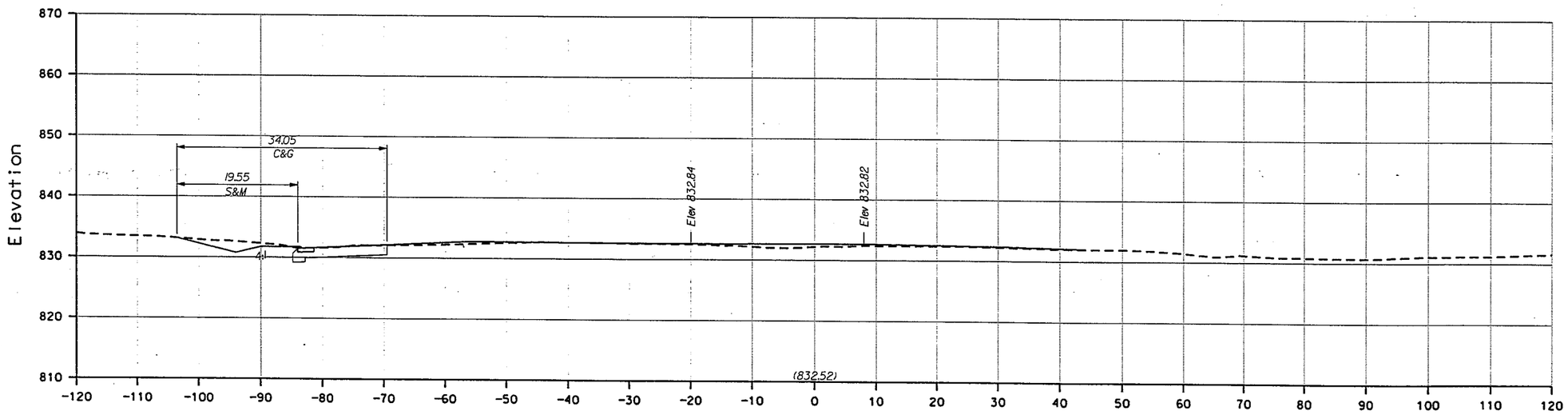
CROSS-SECTIONS

Sta. 217+00 to Sta. 217+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	194	265



218+50



218+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
218+00.		16.84		31.35		40.78		16.6				13.7		0.0			
	50		421.0		783.8		37.8		15.4				12.7		0.0		
218+50.		0		0		0		0.0				0		0.0			
	50		0.0		0.0		0.0		0.0				0.0		0.0		

SCALES
10 ft.
0 10 ft. 0

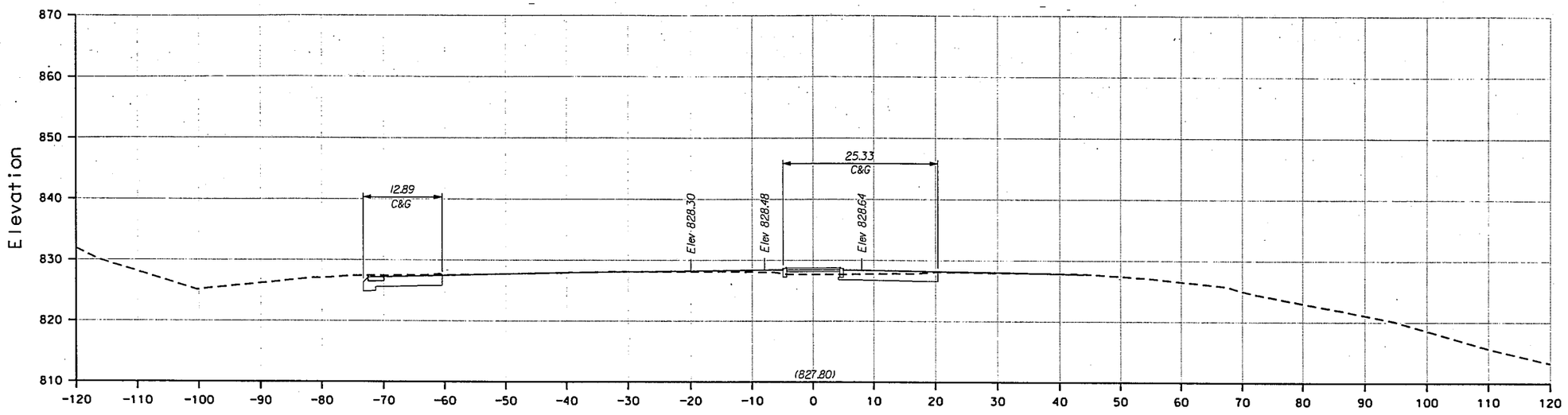
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

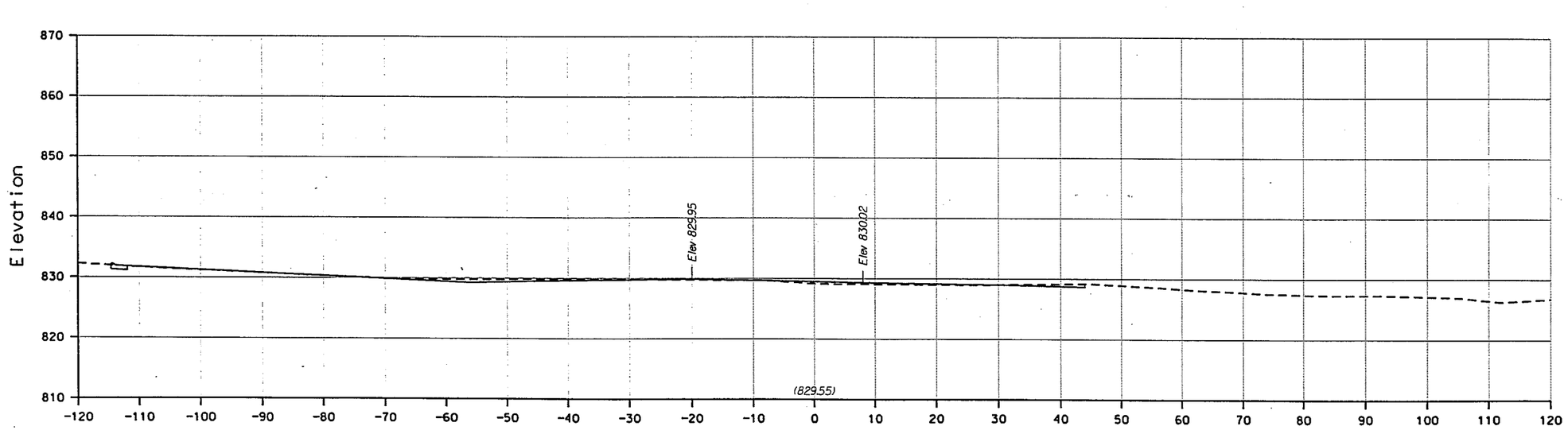
CROSS-SECTIONS

Sta. 218+00 to Sta. 218+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -115- 11.70 00		2001	KANAWHA	195	265



219+50



219+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
219+00.		0		0		0		0.0				0		0.0			
	50		0.0		955.5		39.9		13.5				7.0		0.0		
219+50.		0		38.22		43.12		14.6				7.57		0.0			
	50		723.3		2703.8		111.1		48.0				14.6		0.0		

SCALES
10 ft.
0 10 ft. 0

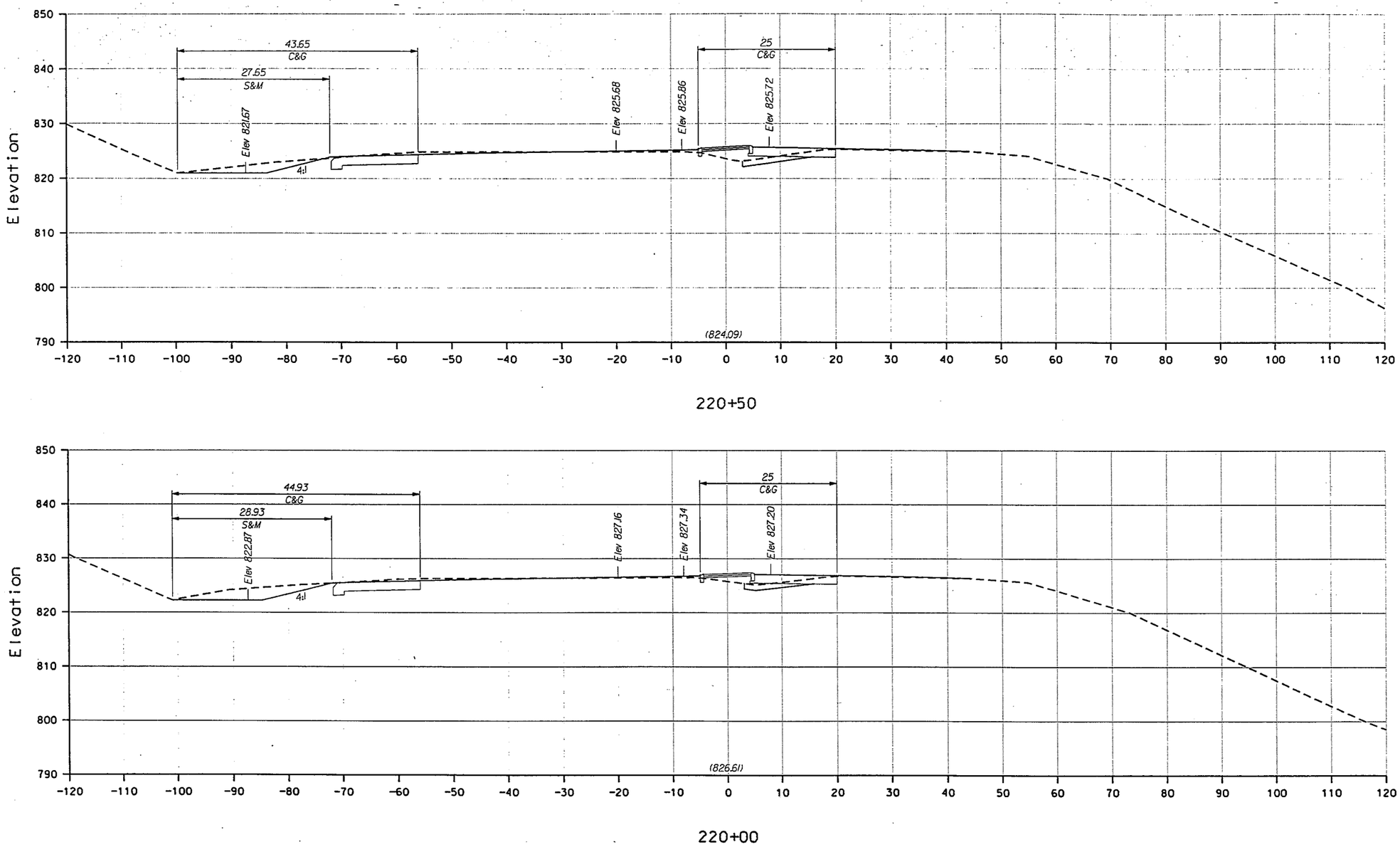
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 219+00 to Sta. 219+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	196	265



STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
220+00.		28.93		69.93		76.9		37.3				8.19		0.0			
	50		1414.5		3464.5		128.4		67.9				21.4		0.0		
220+50.		27.65		68.65		61.76		36.1				14.94		0.0			
	50		1281.8		3459.5		104.2		57.5				31.7		0.0		

SCALES
10 ft.
0 10 ft. 0

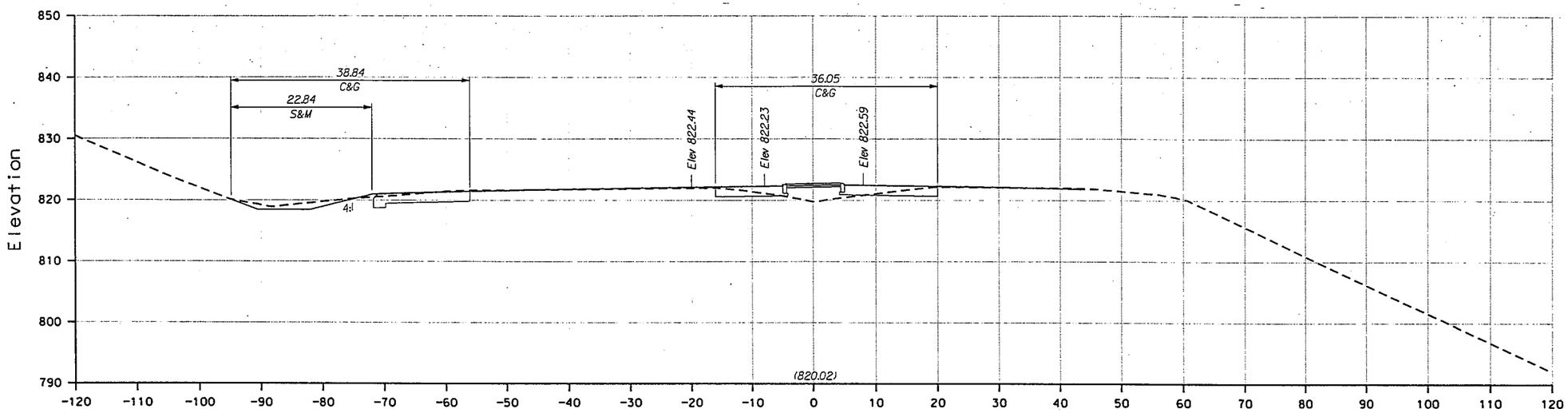
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

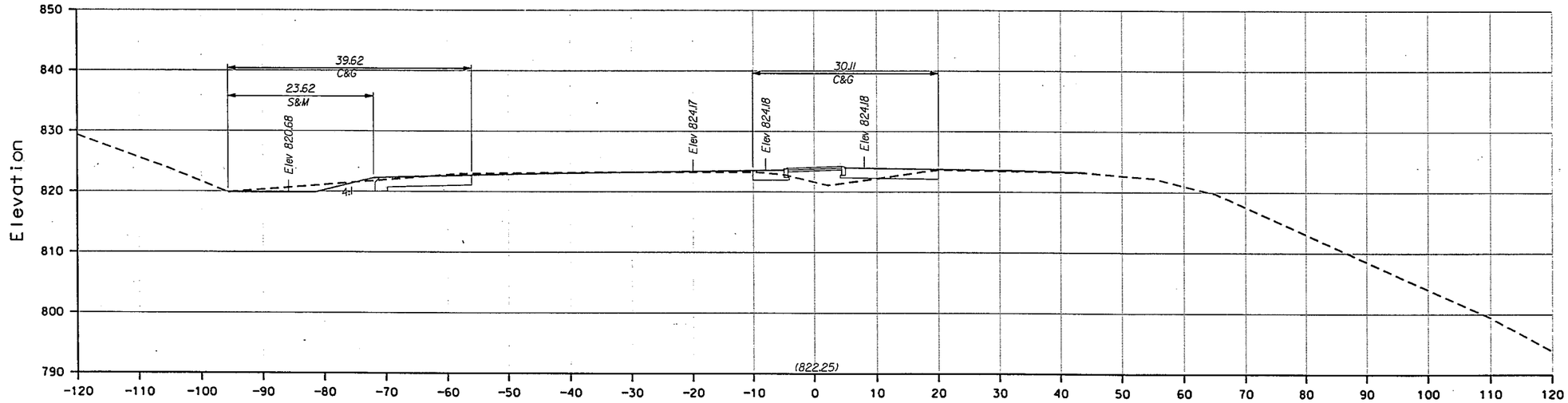
CROSS-SECTIONS

Sta. 220+00 to Sta. 220+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	197	265



221+50



221+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
221+00.		23.62		69.73		50.82		26.0				19.32		0.0			
	50		1161.5		3615.5		97.9		51.2				35.9		0.0		
221+50.		22.84		74.89		54.88		29.3				19.47		0.0			
	50		1496.0		4198.0		113.1		57.6				56.5		0.0		

SCALES
10 ft.
0 10 ft. 0

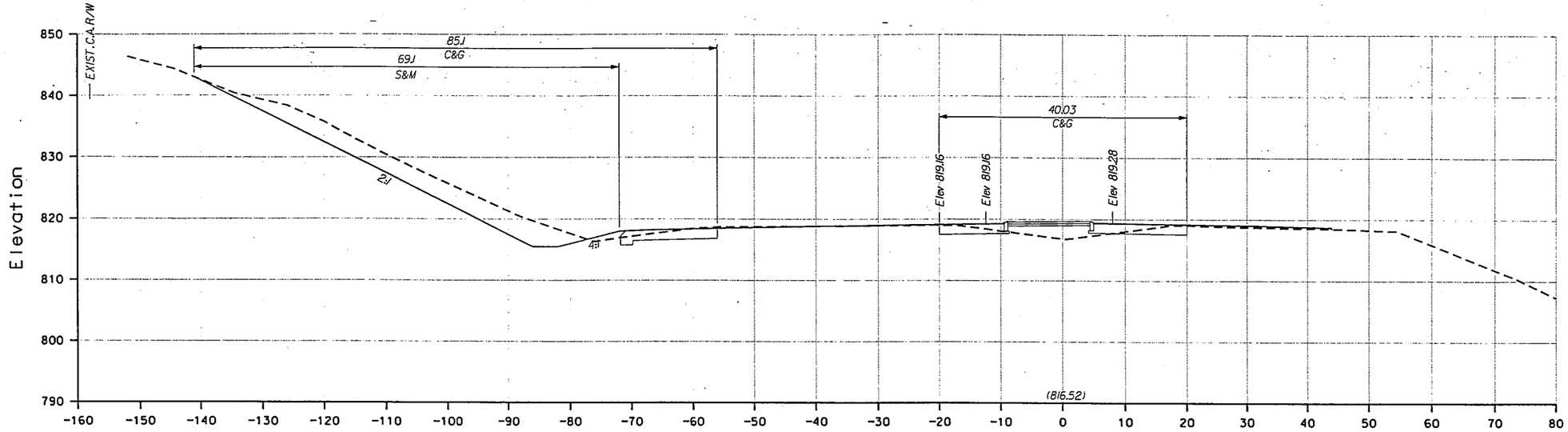
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

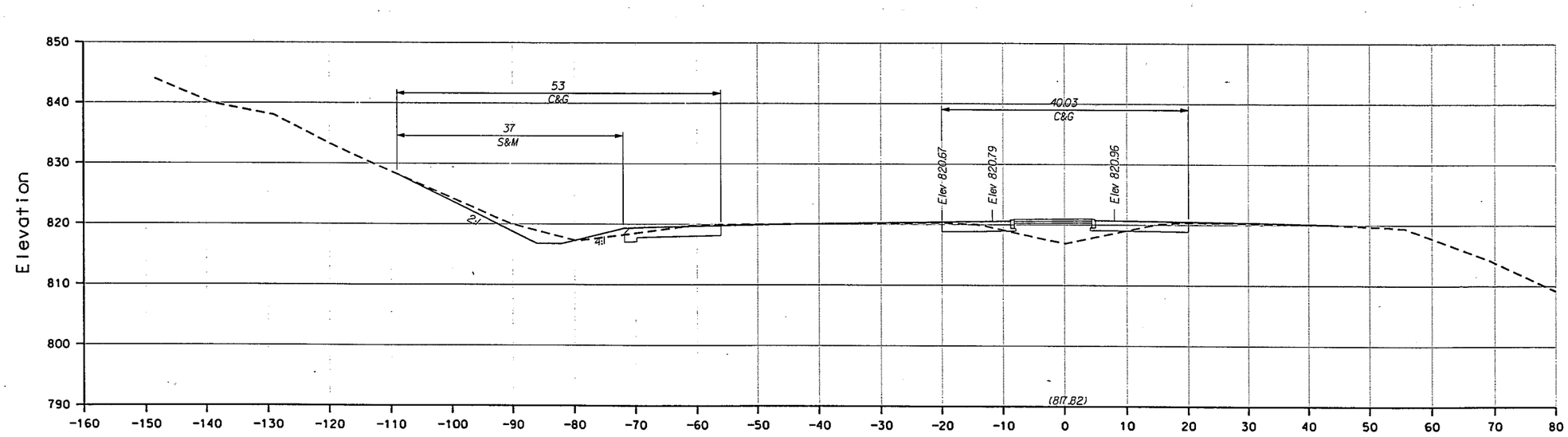
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 221+00 to Sta. 221+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	198	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
222+00.		37		93.03		67.27		32.9				41.57		0.0			
	50		2652.5		6454.0		261.8		79.0				65.0		0.0		
222+50.		69.1		125.13		215.47		52.4				28.66		0.0			
	50		3608.8		6447.8		464.8		97.7				58.6		0.0		

SCALES
10 ft.
0 10 ft. 0

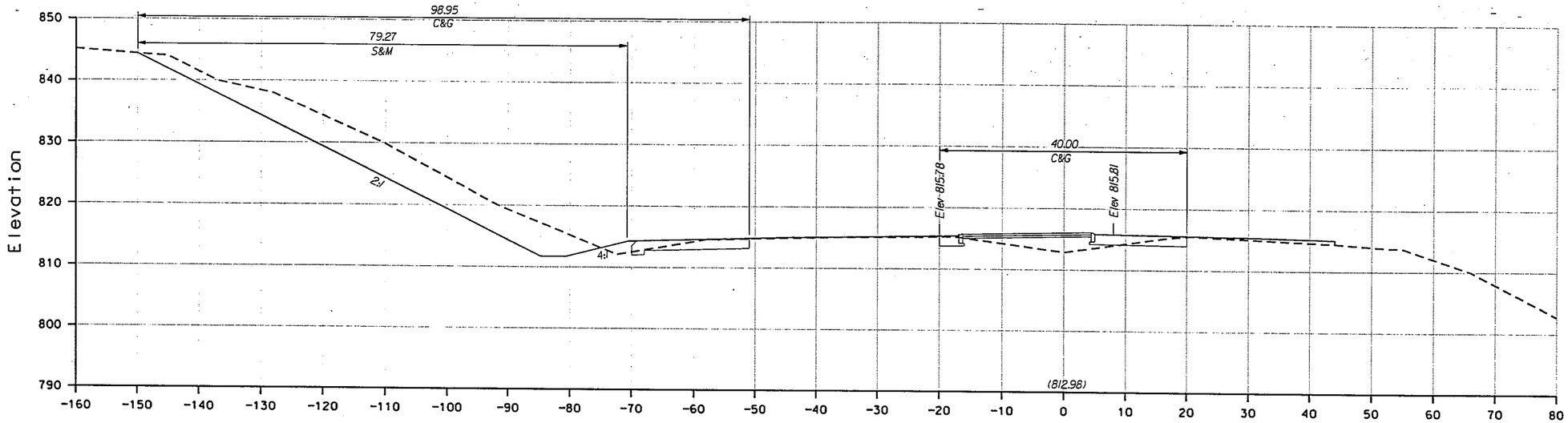
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

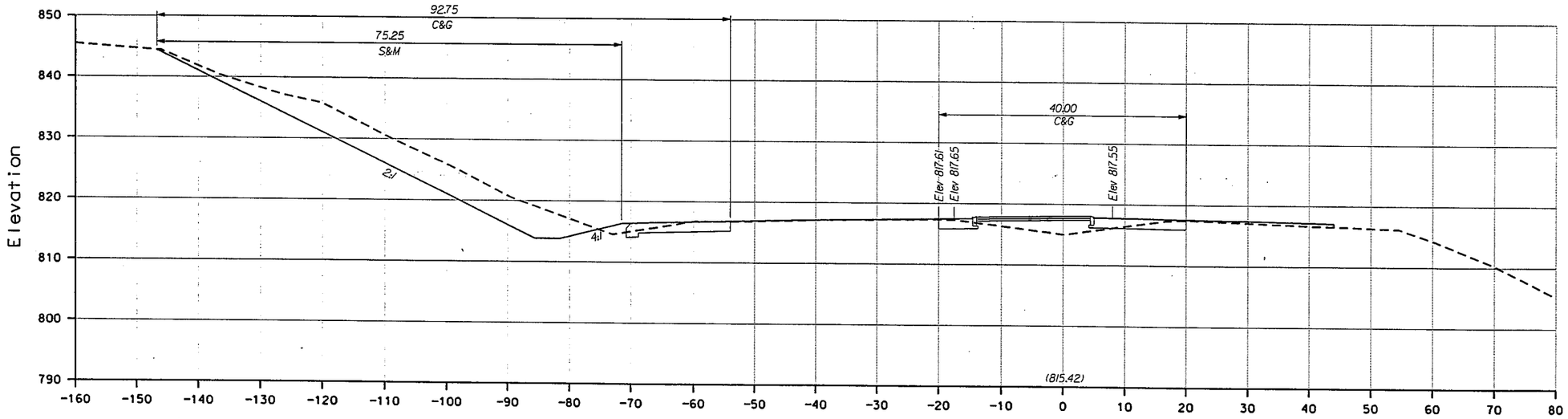
CROSS-SECTIONS

Sta. 222+00 to Sta. 222+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	199	265



223+50



223+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
223+00.		75.25		132.78		286.49		53.1				34.59		0.0			
	50		3863.0		6792.5		584.3		101.9				67.7		0.0		
223+50.		79.27		138.92		344.55		56.9				38.54		0.0			
	50		3967.3		7021.5		681.5		102.7				68.5		0.0		

SCALES
10 ft.
0 10 ft. 0

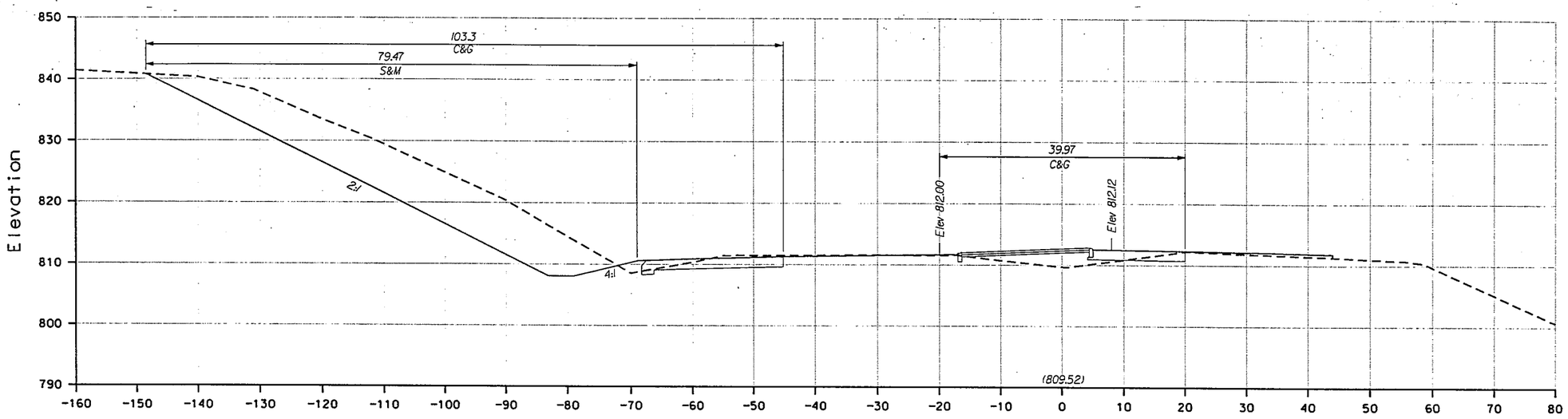
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

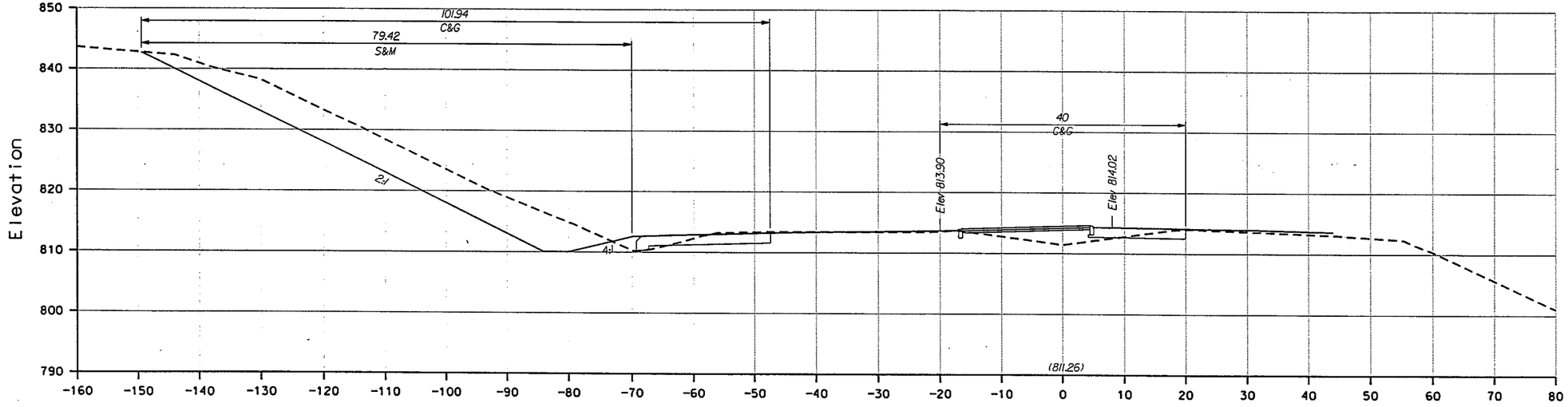
CROSS-SECTIONS

Sta. 223+00 to Sta. 223+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	200	265



224+50



224+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
224+00.		79.42		141.94		391.46		54.0				35.43		0.0			
	50		3972.3		7130.3		853.0		102.5				66.0		0.0		
224+50.		79.47		143.27		529.77		56.7				35.84		0.0			
	50		2336.8		6247.0		796.3		88.0				66.6		0.0		

SCALES
10 ft.
0 10 ft. 0

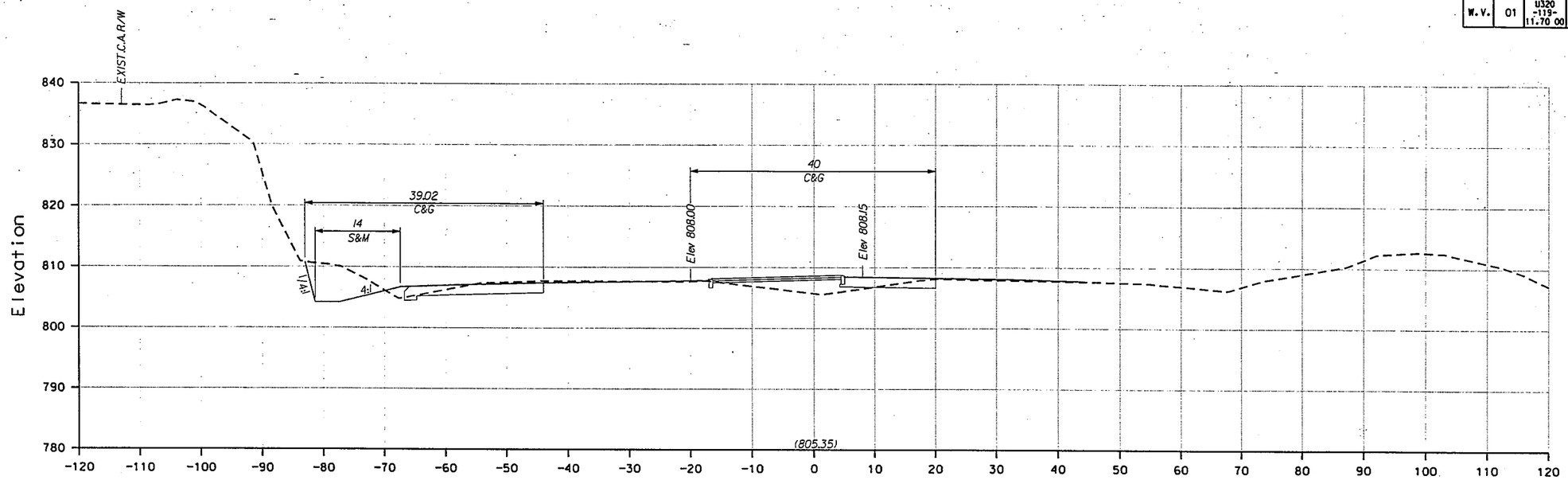
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

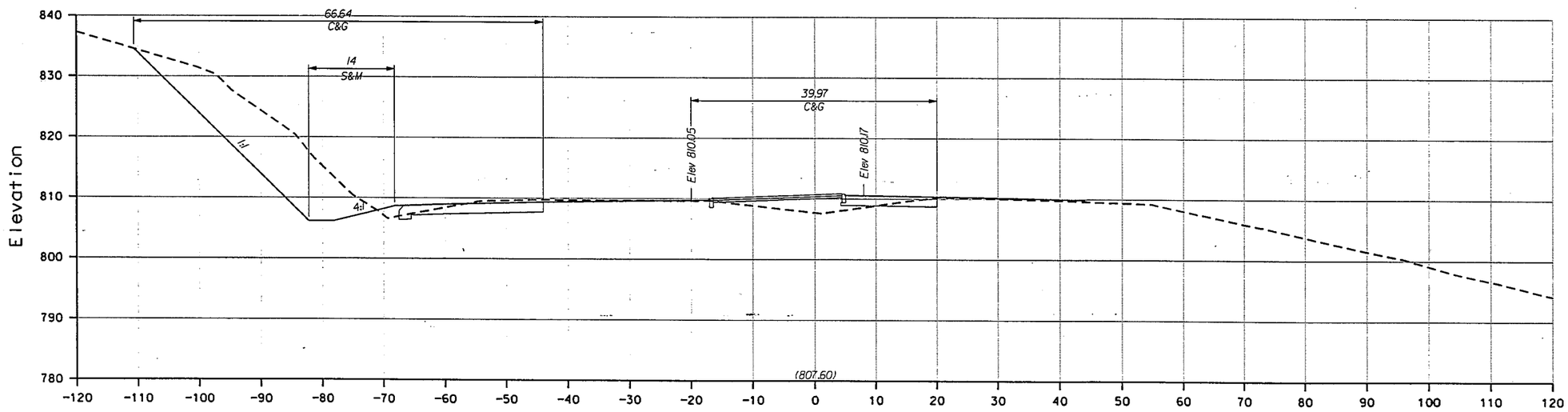
CROSS-SECTIONS

Sta. 224+00 to Sta. 224+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	201	265



225+50



225+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
225+00.		14		106.61		330.19		38.4				36.08		0.0			
	50		700.0		4640.8		396.2		58.7				64.9		0.0		
225+50.		14		79.02		97.7		25.0				33.98		0.0			
	50		700.0		3985.0		194.9		46.8				65.9		0.0		

SCALES

10 ft. 0 10 ft. 0

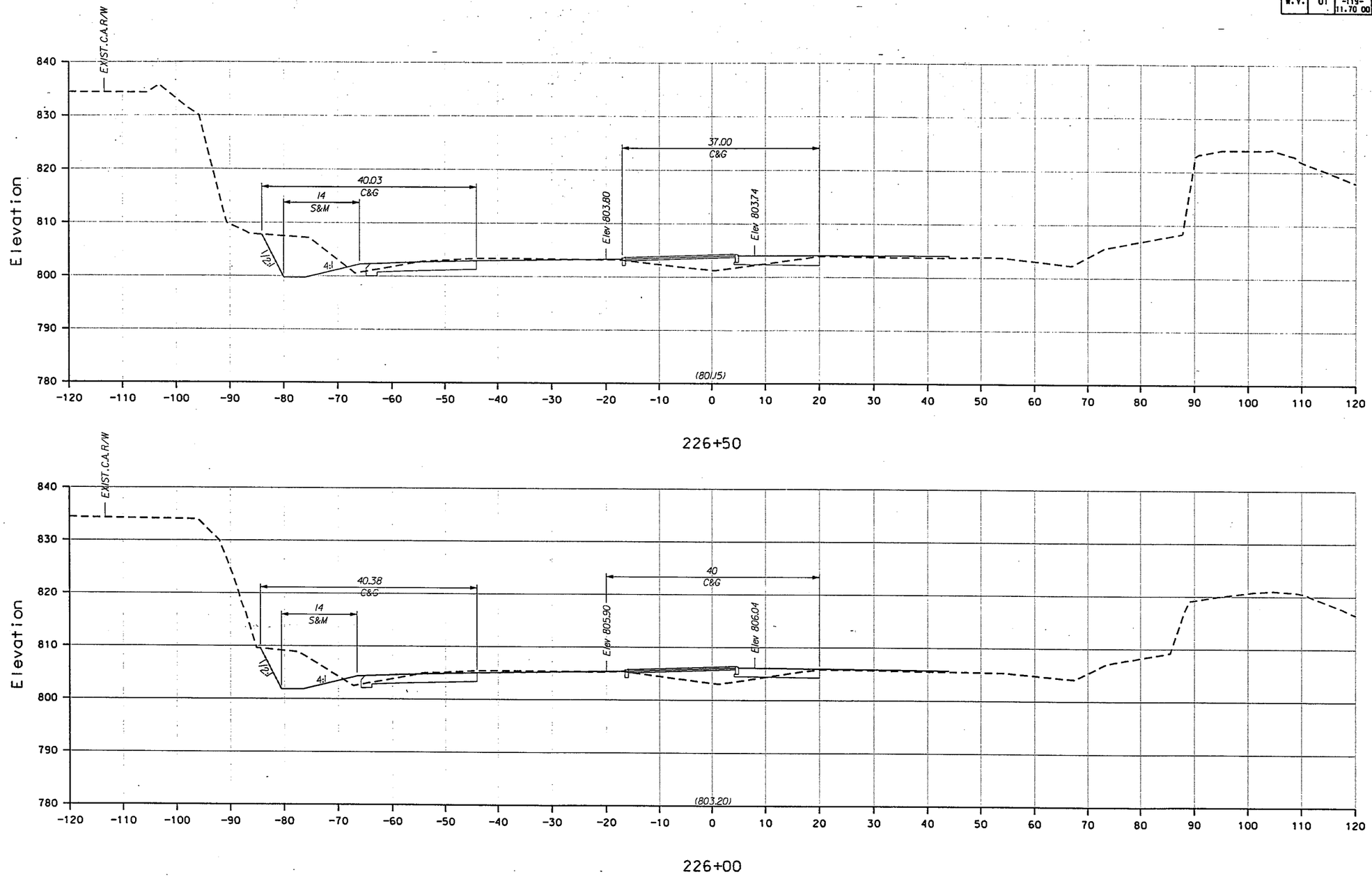
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 225+00 to Sta. 225+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	202	265



STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
						UNCLASSIFIED		UNSUITABLE		----------		UNCLASSIFIED		SELECT		----------	
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
226+00.		14		80.38		112.77		25.5				37.23		0.0			
	50		700.0		3935.0		213.5		45.7				94.0		0.0		
226+50.		14		77.02		117.78		23.9				64.32		0.0			
	50		700.0		3839.8		191.3		45.0				92.4		0.0		

SCALES
10 ft.
0 10 ft. 0

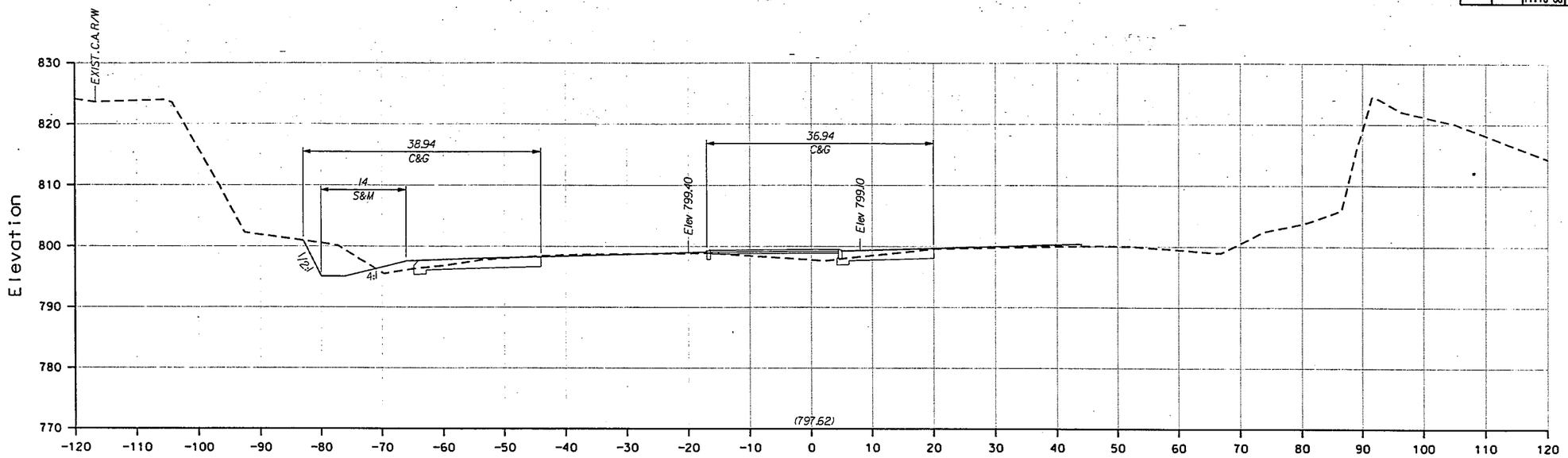
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

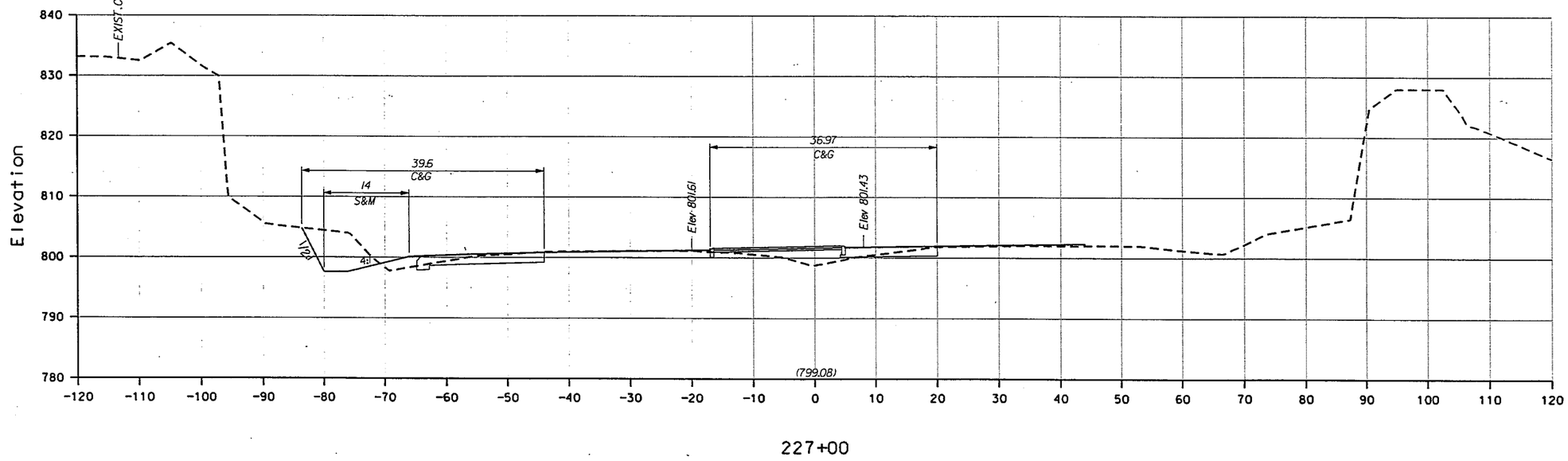
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 226+00 to Sta. 226+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	203	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
227+00.		14		76.57		88.84		24.8				35.43		0.0			
	50		700.0		3811.3		154.4		45.4				52.6		0.0		
227+50.		14		75.88		77.9		24.3				21.42		0.0			
	50		700.0		3811.5		160.8		49.7				38.1		0.0		

SCALES
10 ft.
0 10 ft. 0

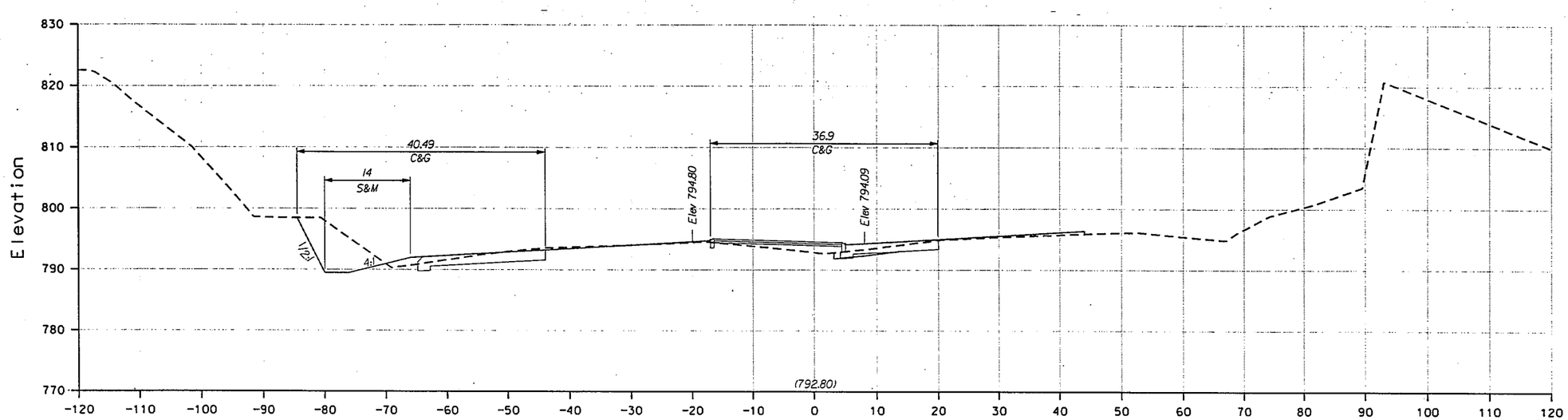
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

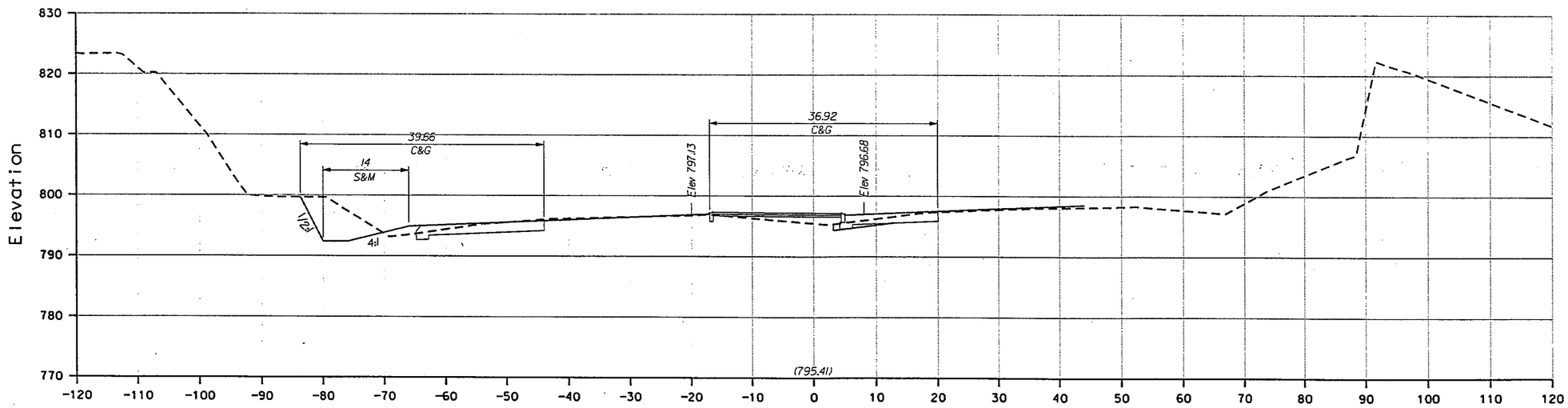
CROSS-SECTIONS

Sta. 227+00 to Sta. 227+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	204	265



228+50



228+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
228+00.		14		76.58		95.75		29.4				19.74		0.0			
	50		700.0		3849.3		189.3		54.6				36.5		0.0		
228+50.		14		77.39		108.73		29.6				19.7		0.0			
	50		700.0		3800.0		205.6		61.0				30.3		0.0		

SCALES
10 ft.
0 10 ft. 0

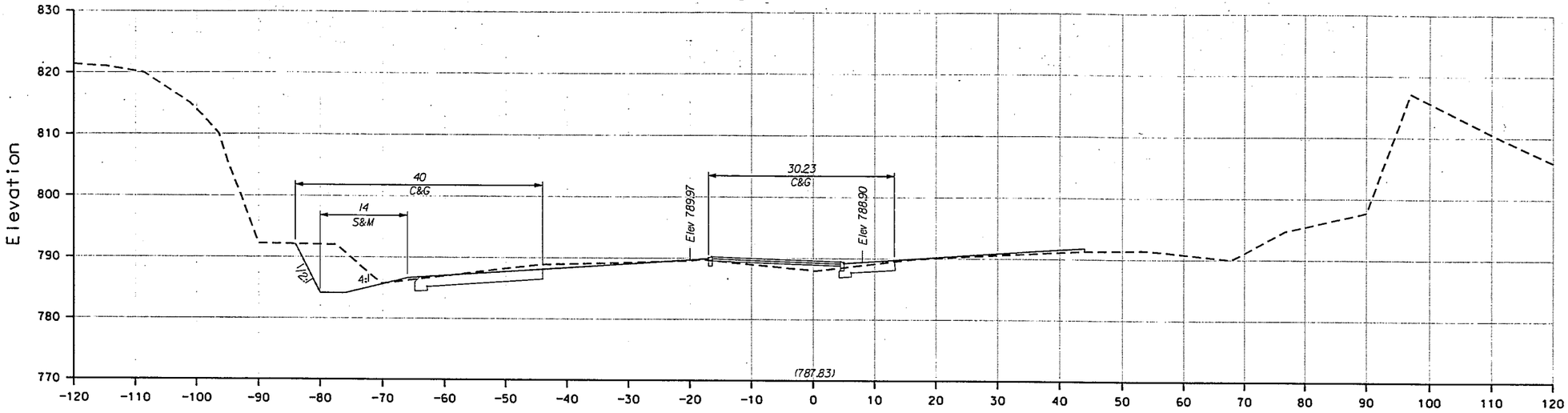
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

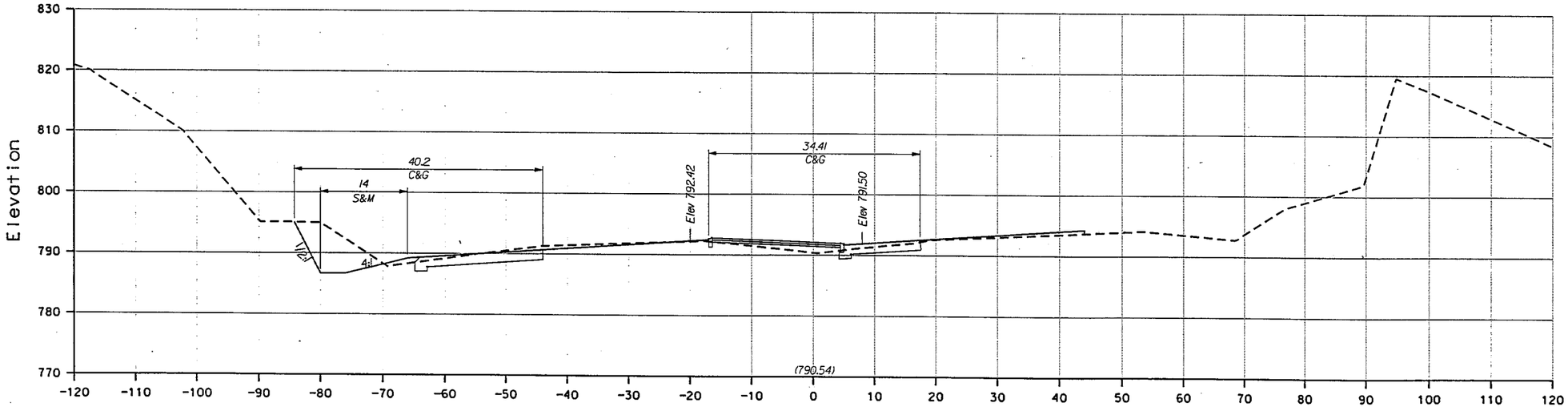
CROSS-SECTIONS

Sta. 228+00 to Sta. 228+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	205	265



229+50



229+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
229+00.		14		74.61		113.37		25.5				12.99		0.0			
	50		700.0		3621.0		219.1		47.4				14.8		0.0		
229+50.		14		70.23		123.29		25.7				2.96		0.0			
	50		700.0		3638.0		218.9		51.8				7.7		0.0		

SCALES
10 ft.
0 10 ft. 0

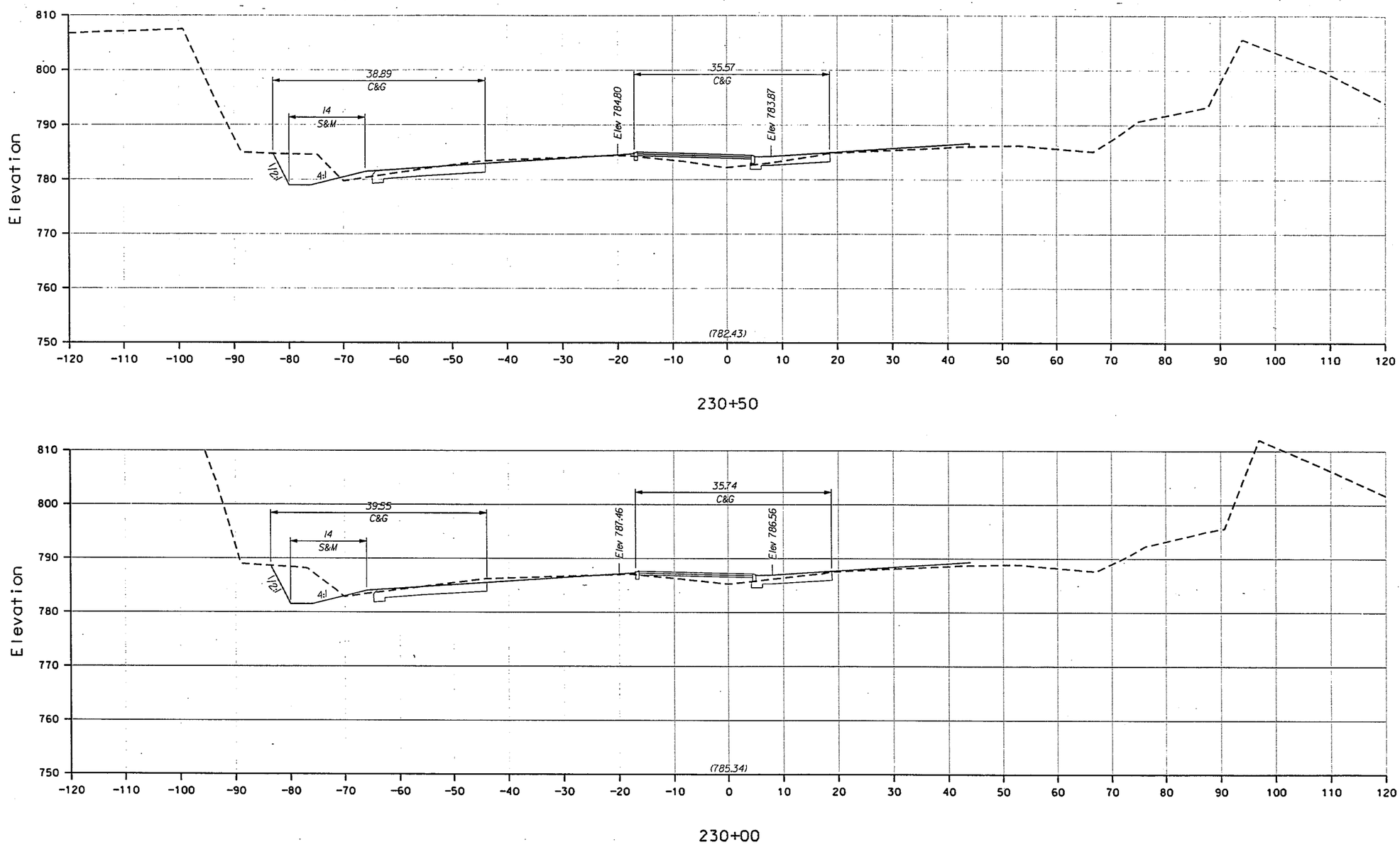
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 229+00 to Sta. 229+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	206	265



STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
230+00.		14		75.29		113.15		30.3				5.34		0.0			
	50		700.0		3743.8		192.2		55.9				13.7		0.0		
230+50.		14		74.46		84.38		30.1				9.46		0.0			
	50		700.0		3720.3		170.5		55.8				19.8		0.0		

SCALES
10 ft.
0 10 ft. 0

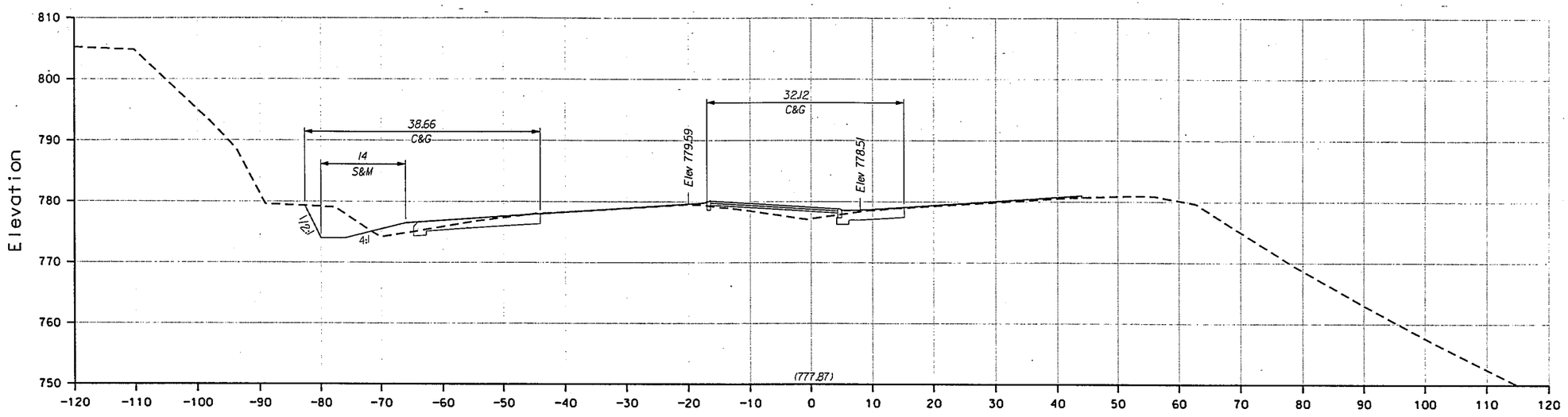
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

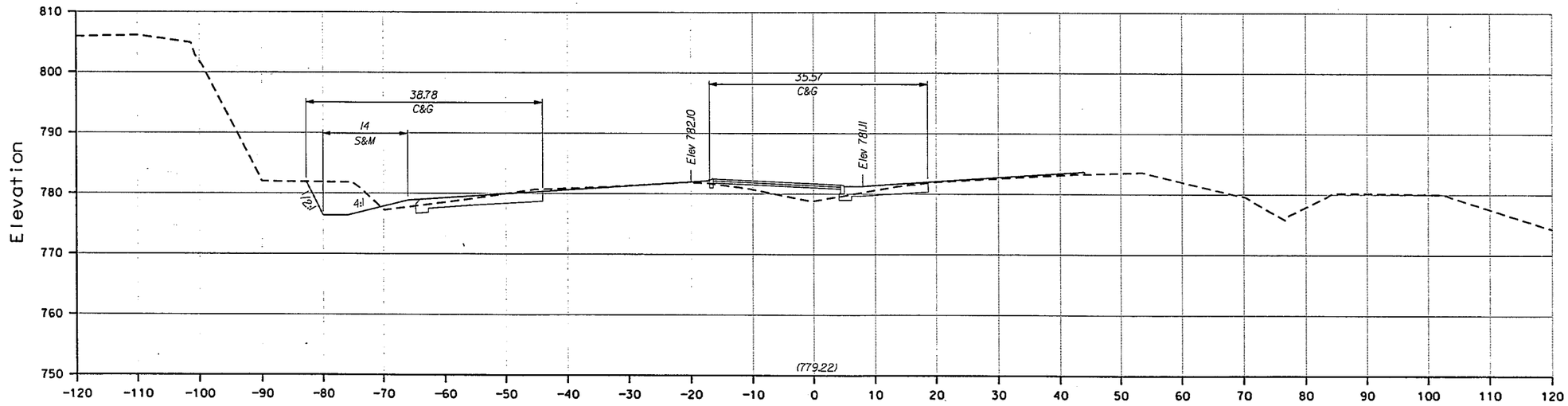
CROSS-SECTIONS

Sta. 230+00 to Sta. 230+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	207	265



231+50



231+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
231+00.		14		74.35		39.77		30.1				11.96		0.0			
	50		700.0		8628.3		158.9		63.5				20.7		0.0		
231+50.		14		70.78		31.87		27.7				10.42		0.0			
	50		700.0		3455.3		152.0		50.0				16.6		0.0		

SCALES
10 ft.
0 10 ft. 0

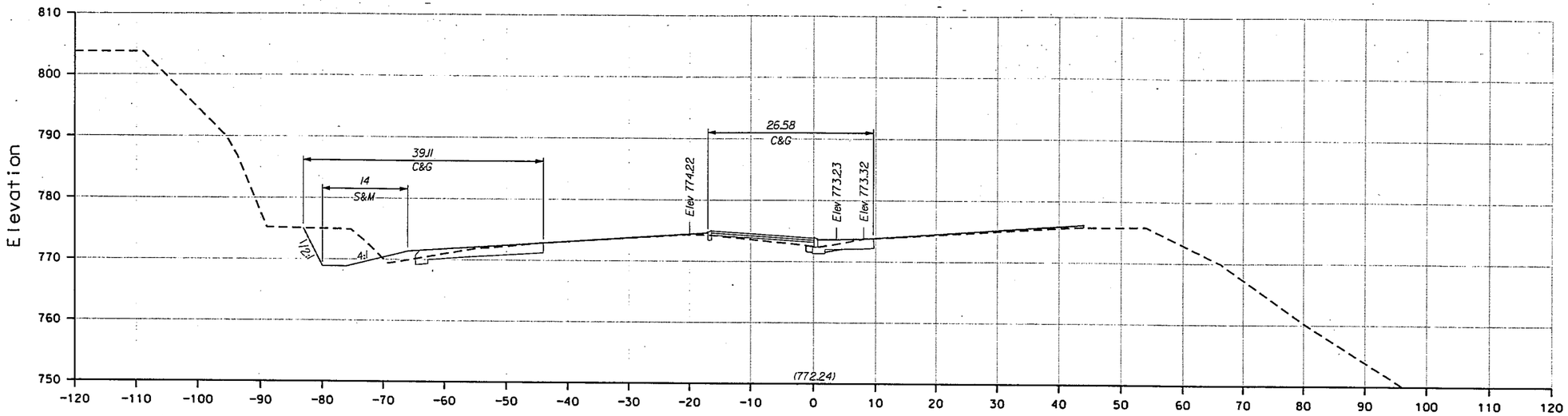
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

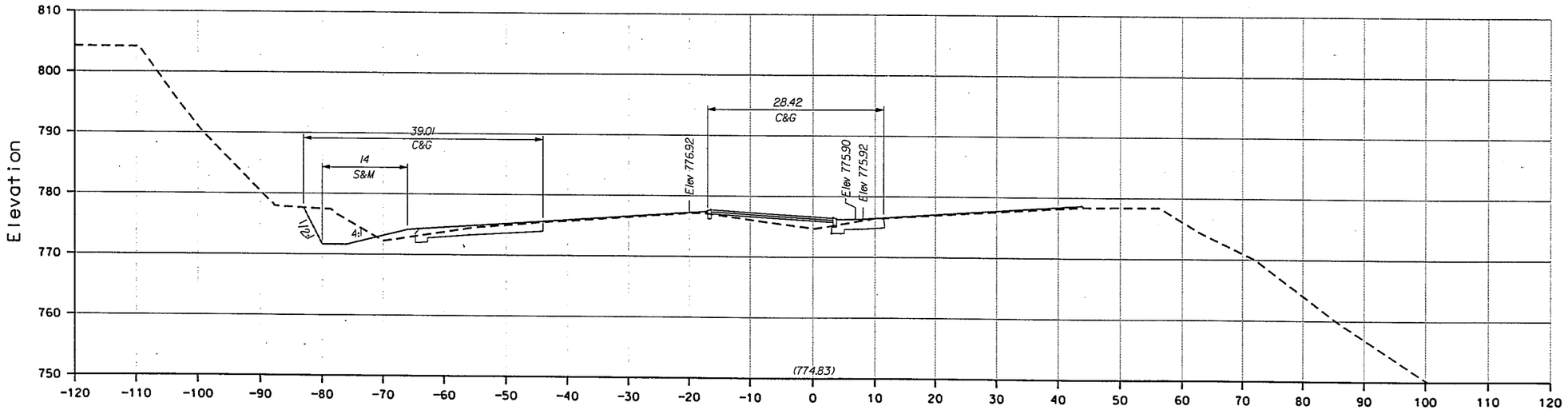
CROSS-SECTIONS

Sta. 231+00 to Sta. 231+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00		2001	KANAWHA	208	265



232+50



232+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
232+00.		14		67.43		82.32		26.4				7.54		0.0			
	50		700.0		3328.0		158.3		50.9				13.9		0.0		
232+50.		14		65.69		88.69		28.6				7.43		0.0			
	50		700.0		3265.5		171.1		52.0				13.6		0.0		

SCALES

10 ft.

0 10 ft. 0

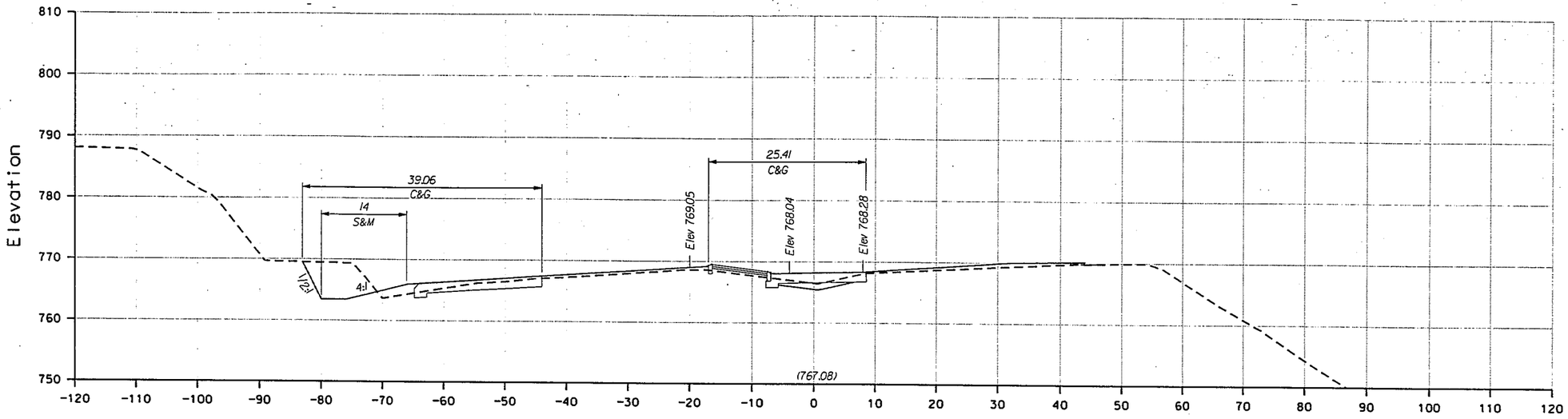
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

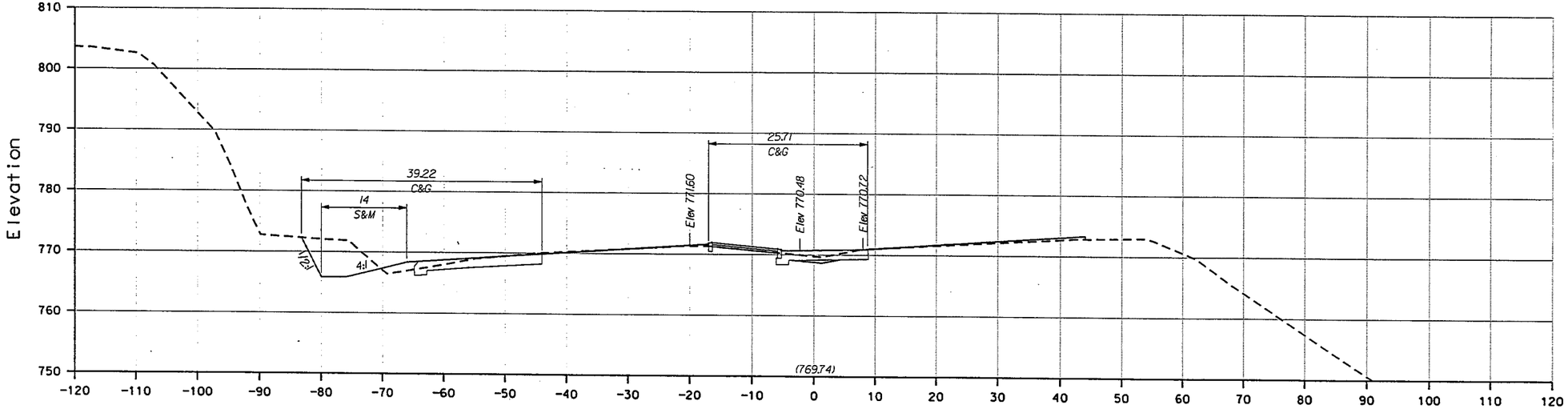
CROSS-SECTIONS

Sta. 232+00 to Sta. 232+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	209	265



233+50



233+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
233+00.		14		64.93		96.05		27.6				7.26		0.0			
	50		700.0		3235.0		162.6		56.5				17.9		0.0		
233+50.		14		64.47		79.51		33.4				12.06		0.0			
	50		700.0		2964.0		139.7		53.0				21.5		0.0		

SCALES
10 ft.
0 10 ft. 0

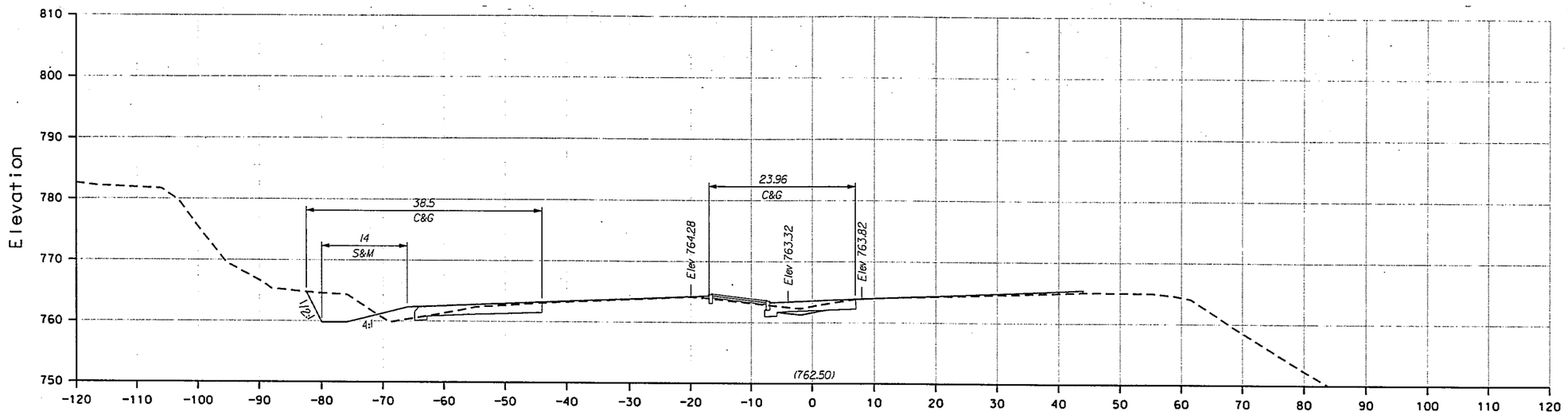
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

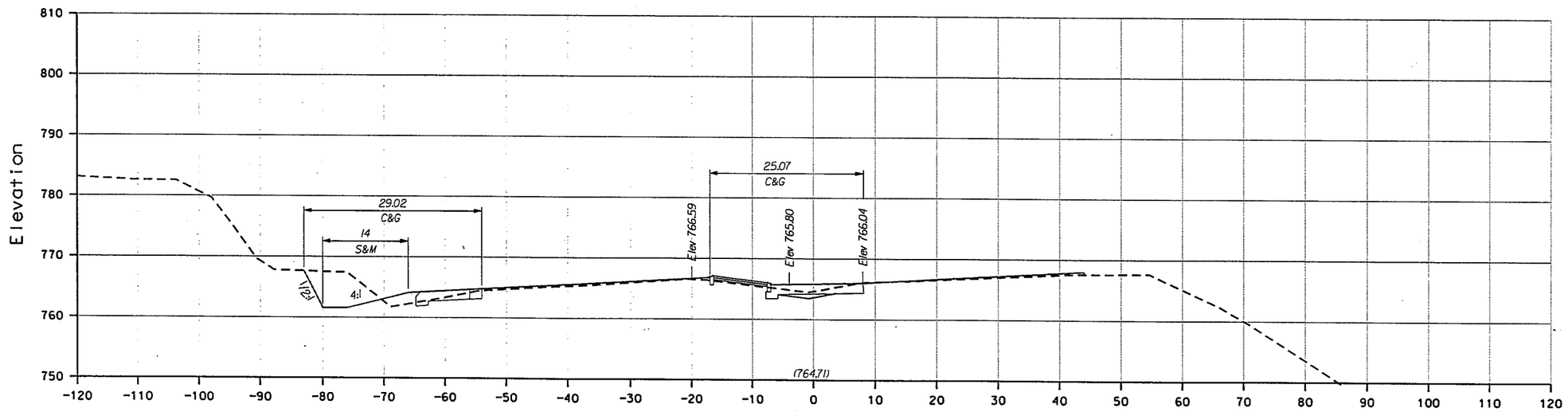
CROSS-SECTIONS

Sta. 233+00 to Sta. 233+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	210	265



234+50



234+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
234+00.		14		54.09		71.35		23.9				11.13		0.0			
	50		700.0		2913.8		132.6		46.7				21.2		0.0		
234+50.		14		62.46		71.81		26.6				11.79		0.0			
	50		700.0		3081.8		132.2		49.1				21.6		0.0		

SCALES

10 ft.

0 10 ft. 0

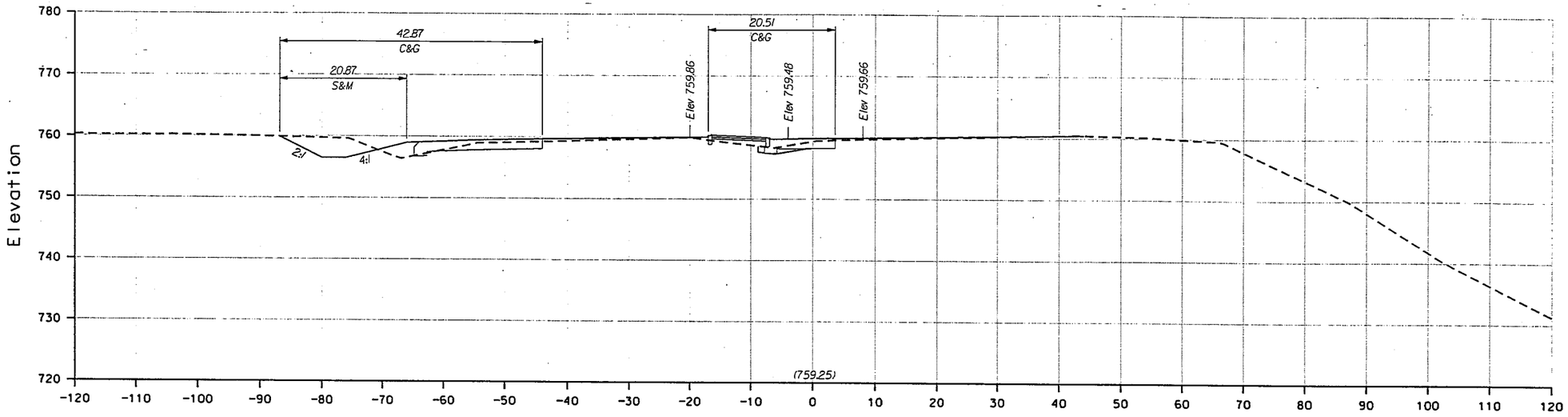
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

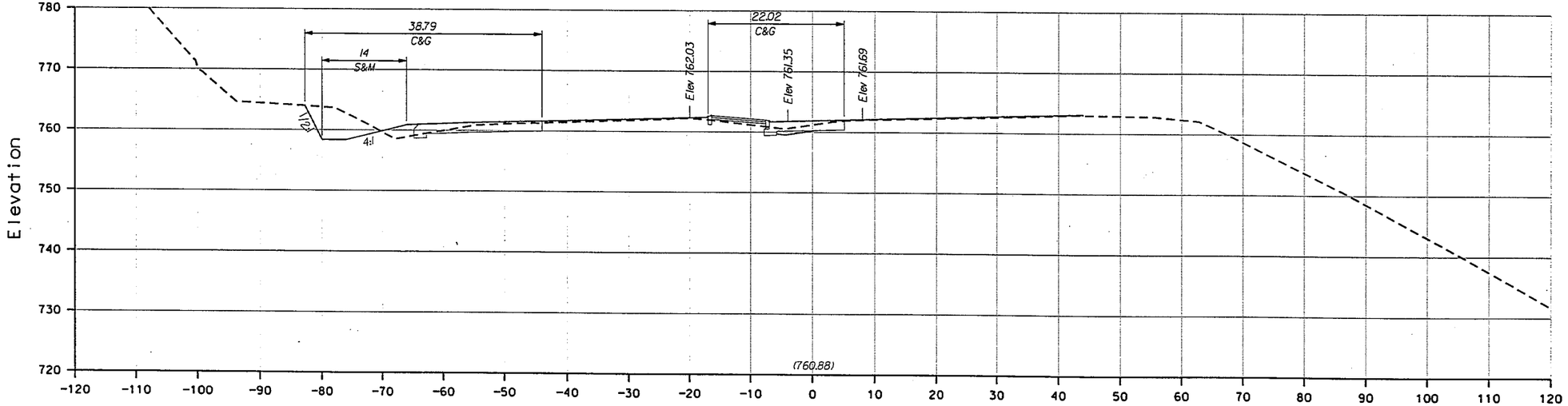
CROSS-SECTIONS

Sta. 234+00 to Sta. 234+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	211	265



235+50



235+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
235+00.		14		60.81		71		26.5				11.55		0.0			
	50		871.8		3104.8		119.6		51.2				25.0		0.0		
235+50.		20.87		63.38		58.14		28.8				15.5		0.0			
	50		521.8		2490.0		79.3		38.7				15.4		0.0		

SCALES
10 ft.
0 10 ft. 0

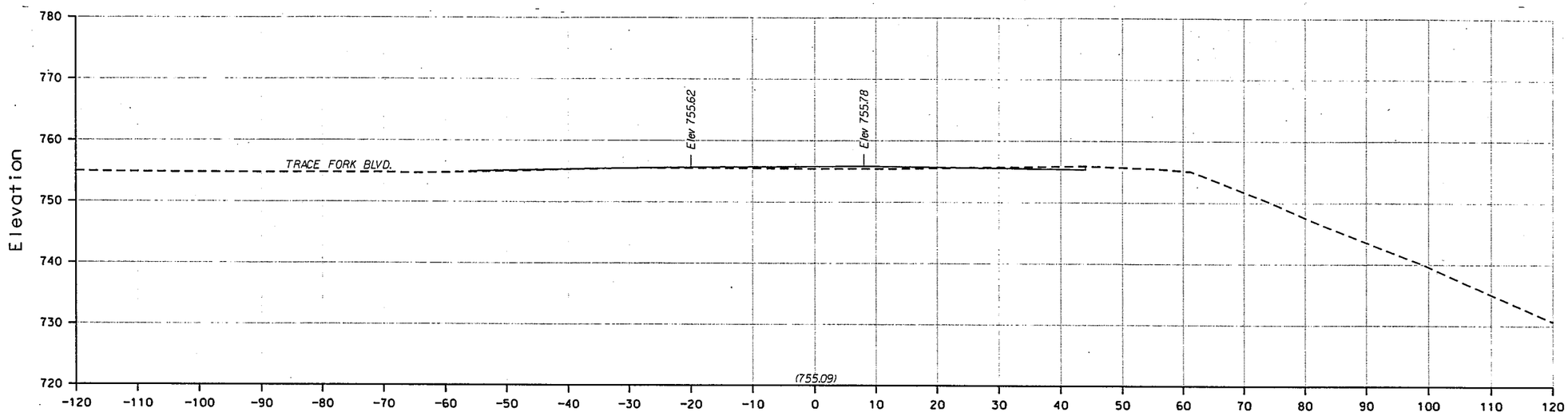
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

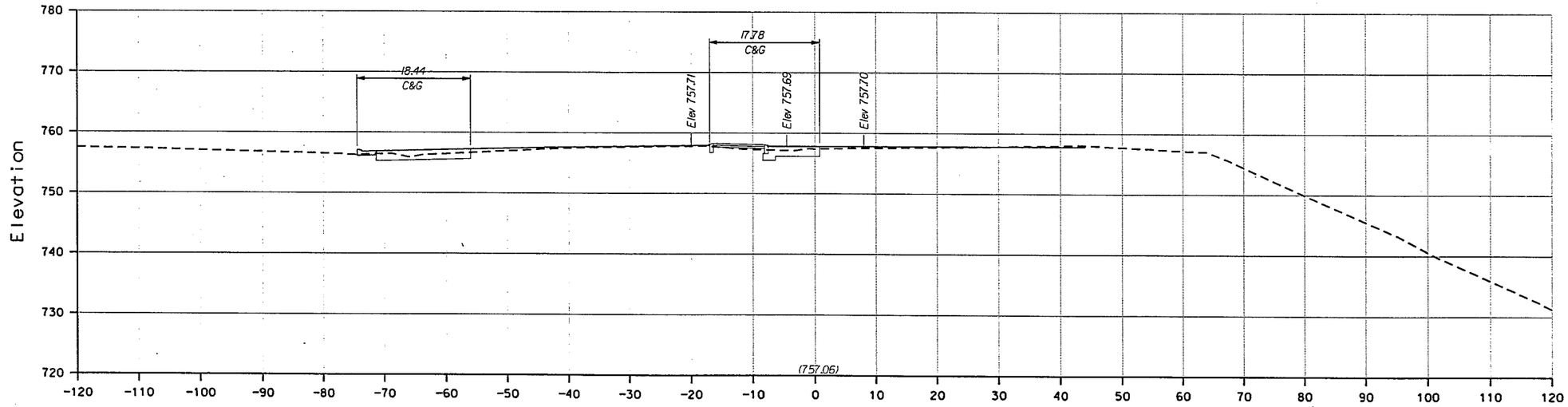
CROSS-SECTIONS

Sta. 235+00 to Sta. 235+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	212	265



236+50



236+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
236+00.		0		36.22		27.55		13.0				1.1		0.0			
	50		0.0		905.5		25.5		12.0				1.0		0.0		
236+50.		0		0		0		0.0				0		0.0			
	50		0.0		1182.8		34.0		16.0				1.8		0.0		

10 ft.
SCALES
0 10 ft.
0

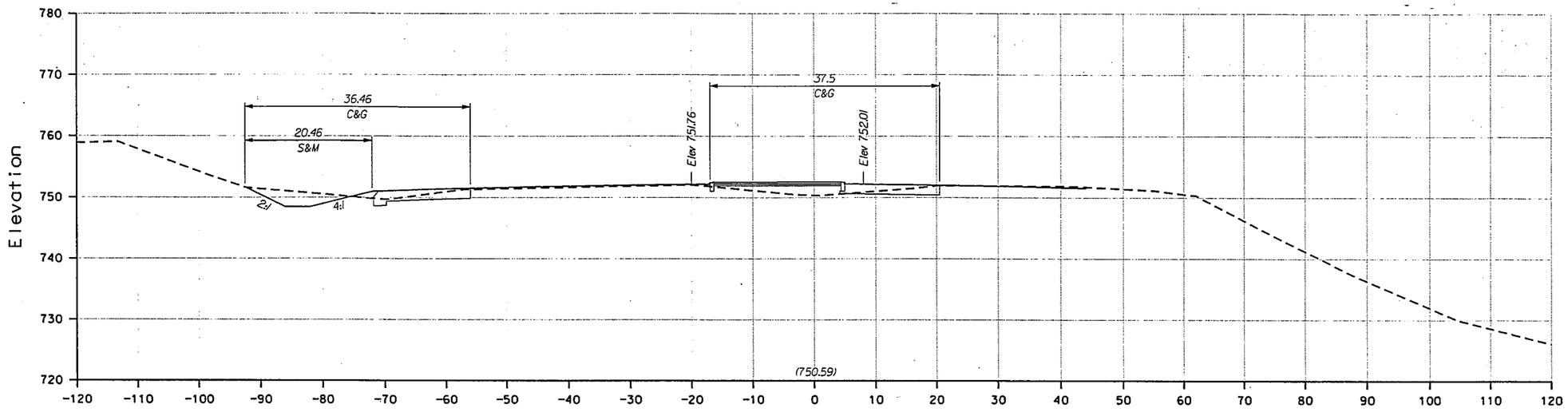
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

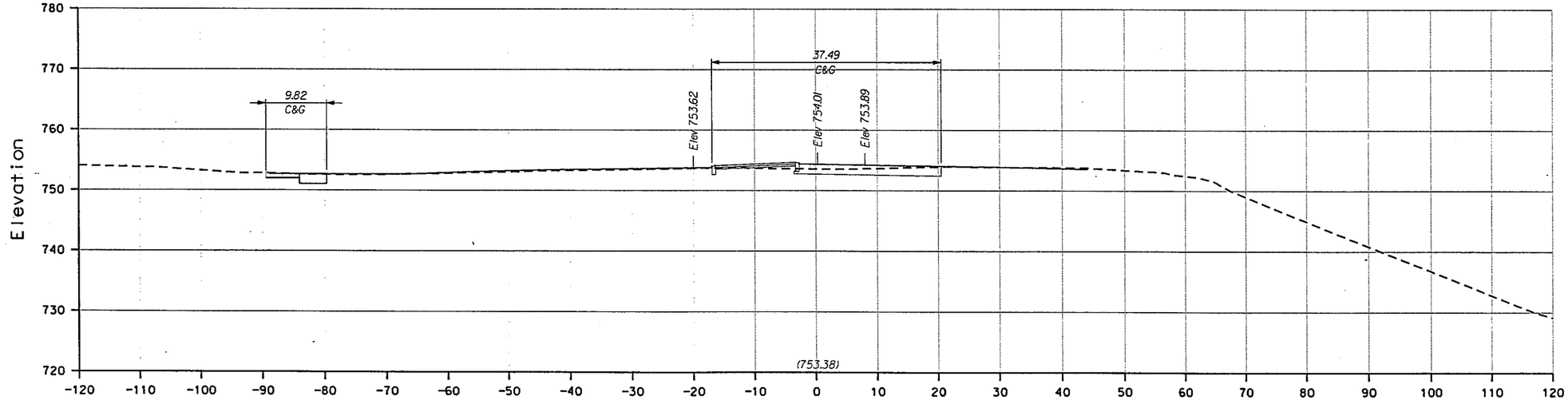
CROSS-SECTIONS

Sta. 236+00 to Sta. 236+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	213	265



237+50



237+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
237+00.		0		47.31		36.69		17.3				1.99		0.0			
	50		511.5		3031.8		82.0		38.8				24.5		0.0		
237+50.		20.46		73.96		51.9		24.7				24.45		0.0			
	50		1253.8		3928.0		95.9		47.1				54.4		0.0		

SCALES

10 ft.

0 10 ft. 0

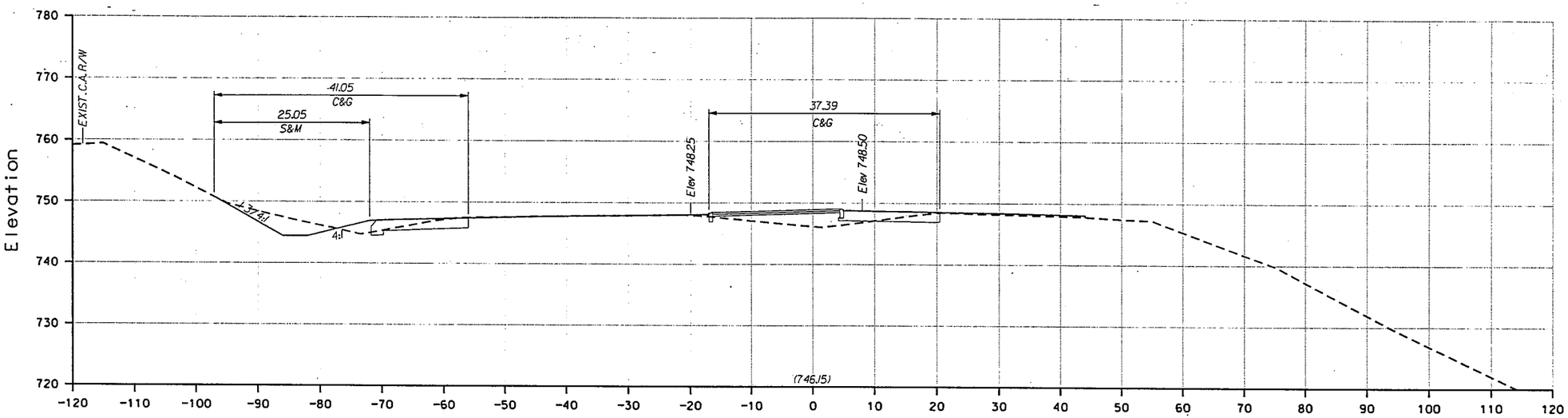
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

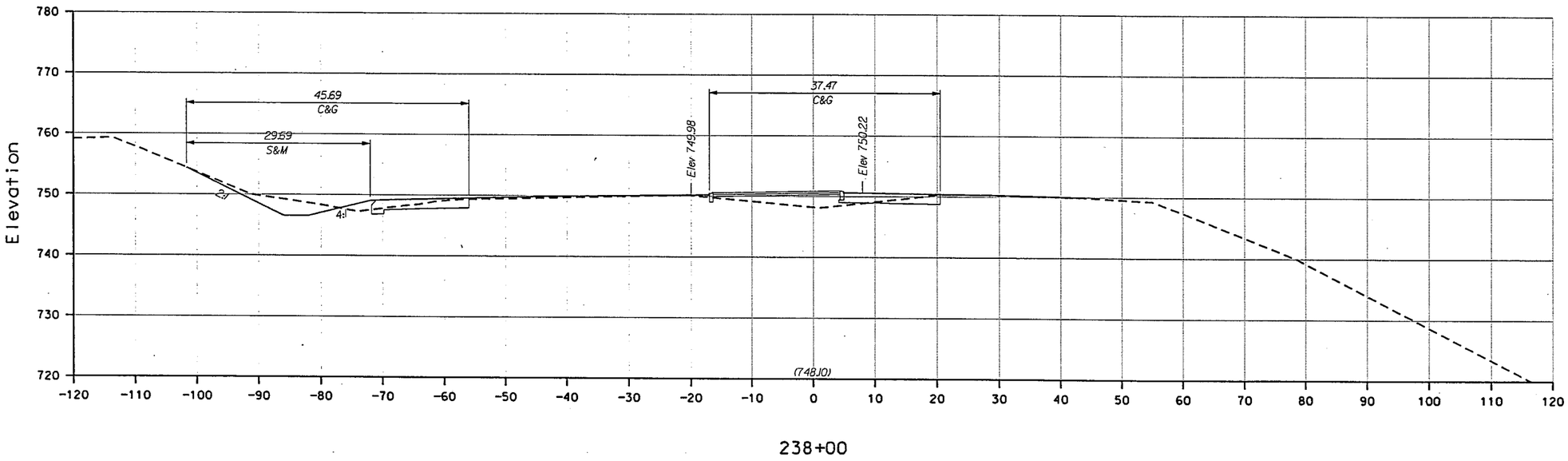
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 237+00 to Sta. 237+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00	—	2001	KANAWHA	214	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
238+00.		29.69		83.16		51.72		26.2				34.33		0.0			
	50		1368.5		4040.0		98.4		45.7				67.5		0.0		
238+50.		25.05		78.44		54.51		23.2				38.54		0.0			
	50		1269.5		4061.5		111.4		45.8				70.9		0.0		

SCALES
10 ft.
0 10 ft. 0

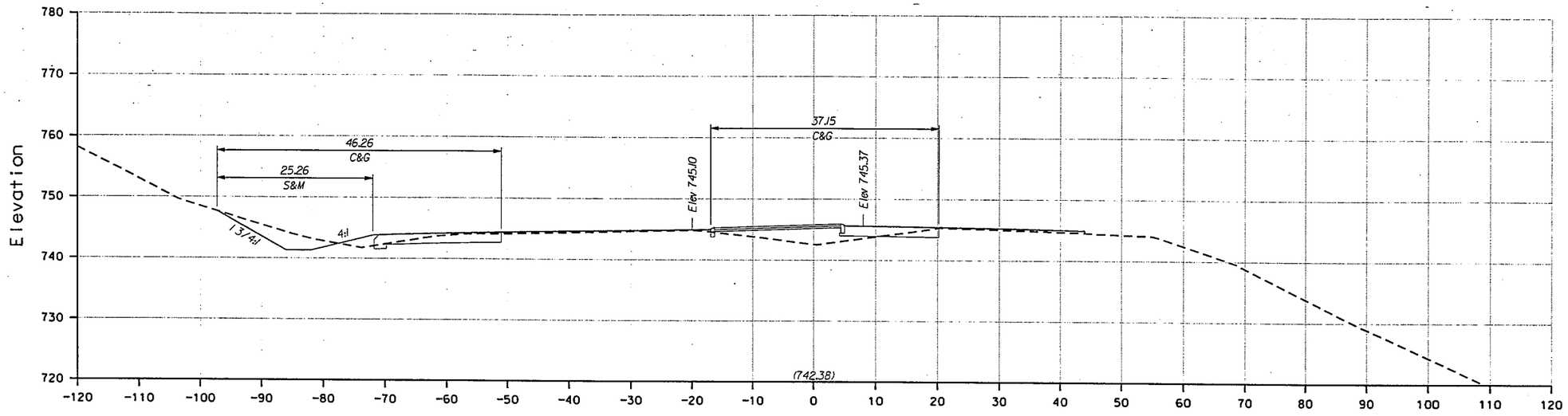
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

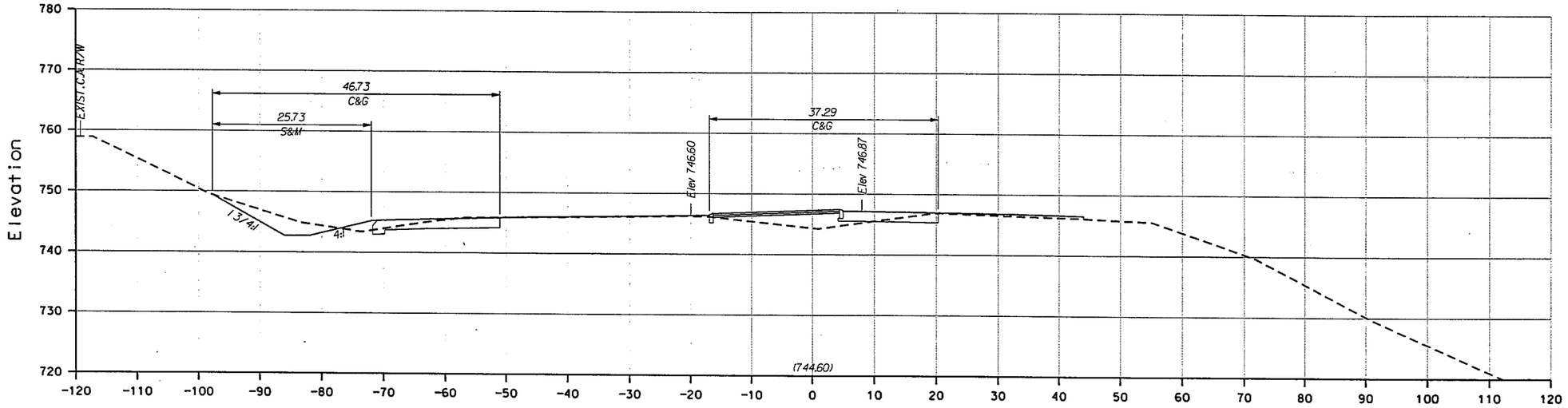
CROSS-SECTIONS

Sta. 238+00 to Sta. 238+50

Public Roads Dis.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	215	265



239+50



239+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
239+00.		25.73		84.02		65.76		26.2				38.01		0.0			
	50		1274.8		4185.8		121.9		47.7				75.7		0.0		
239+50.		25.26		83.41		65.86		25.3				43.71		0.0			
	50		1384.8		8312.8		135.0		48.7				88.2		0.0		

SCALES

10 ft. 0 0 10 ft.

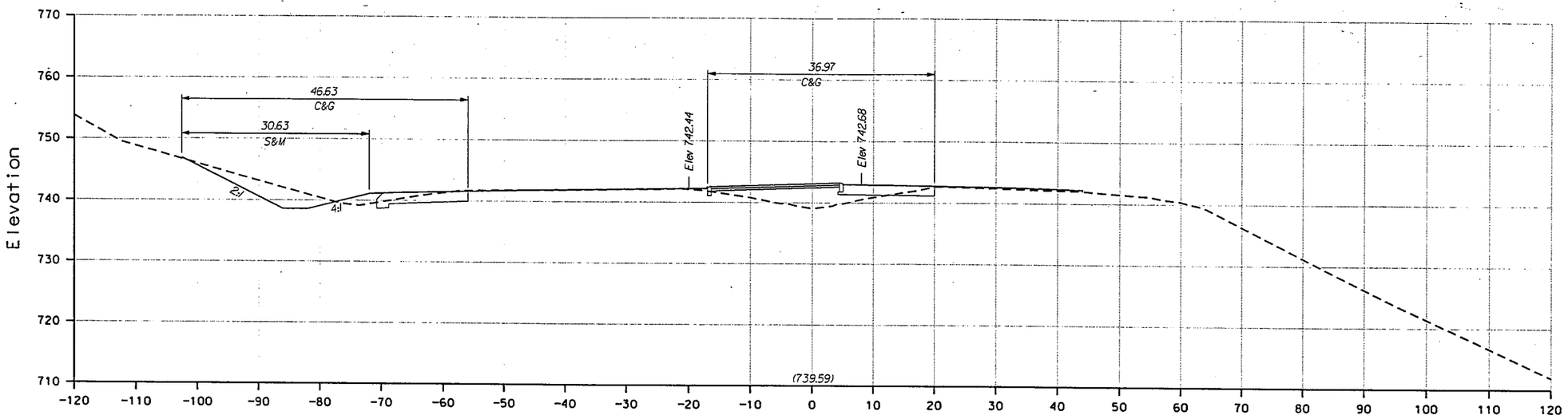
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

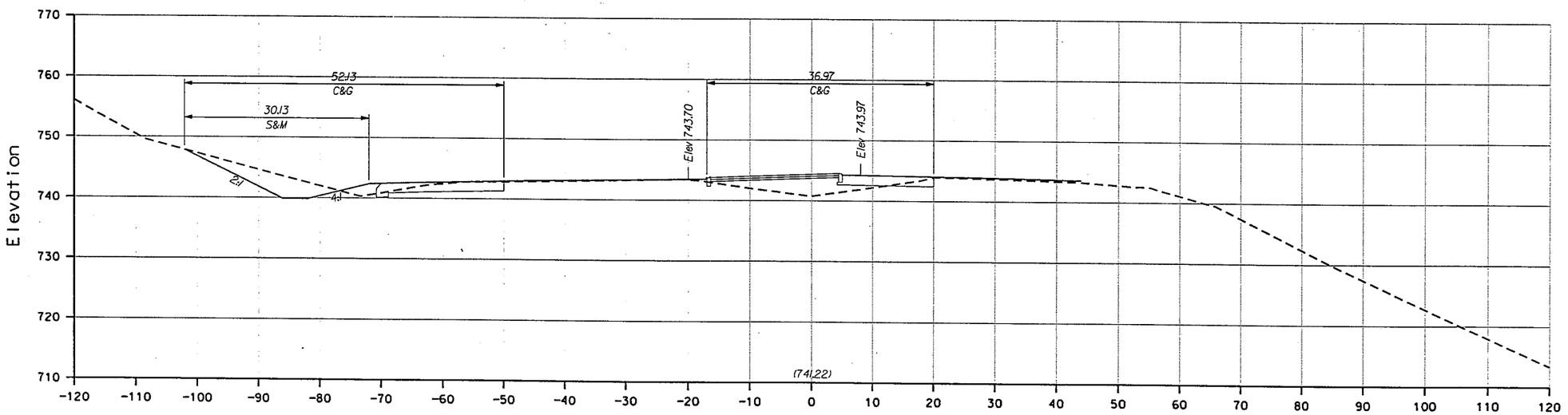
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 239+00 to Sta. 239+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	216	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
240+00.		30.13		89.1		79.98		27.3				51.56		0.0			
	50		1519.0		4317.5		136.9		47.7				99.9		0.0		
240+50.		30.63		83.6		67.9		24.2				56.36		0.0			
	50		1541.3		4189.8		138.9		46.2				86.8		0.0		

SCALES
10 ft.
0 10 ft. 0

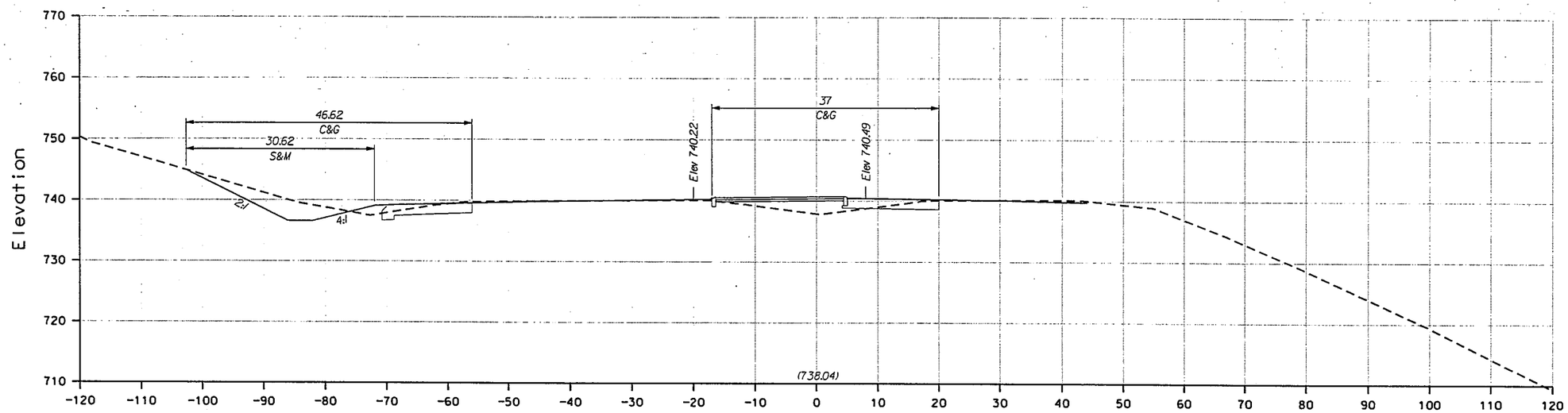
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

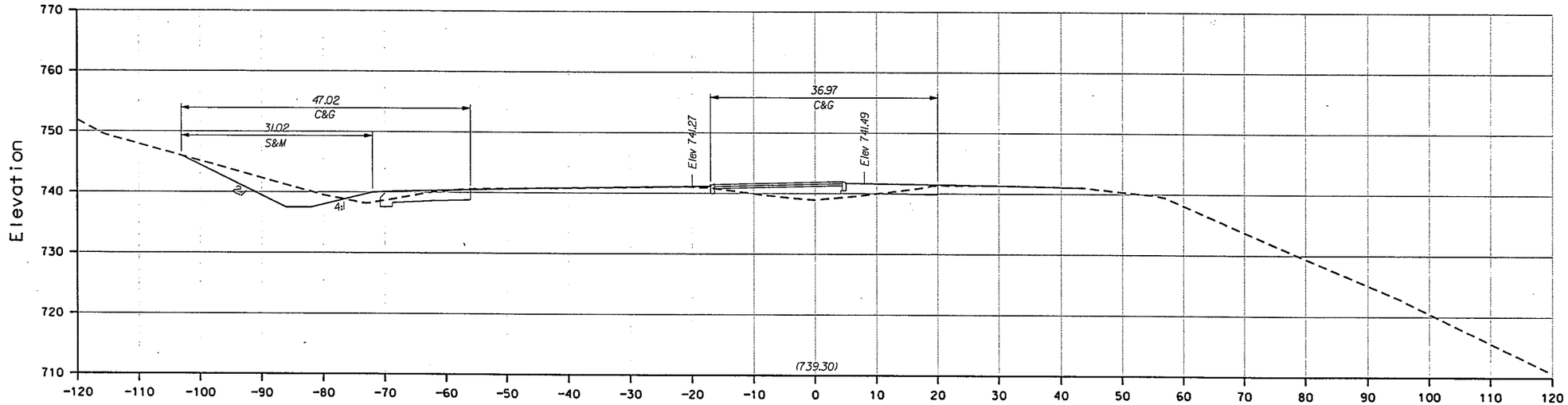
CROSS-SECTIONS

Sta. 240+00 to Sta. 240+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	217	265



241+50



241+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
241+00.		31.02		83.99		82.13		25.7				37.34		0.0			
	50		1541.0		4190.3		147.7		48.7				63.9		0.0		
241+50.		30.62		83.62		77.43		27.0				31.64		0.0			
	50		1450.5		4100.0		137.3		48.8				54.9		0.0		

SCALES

10 ft. 0 — 0 10 ft.

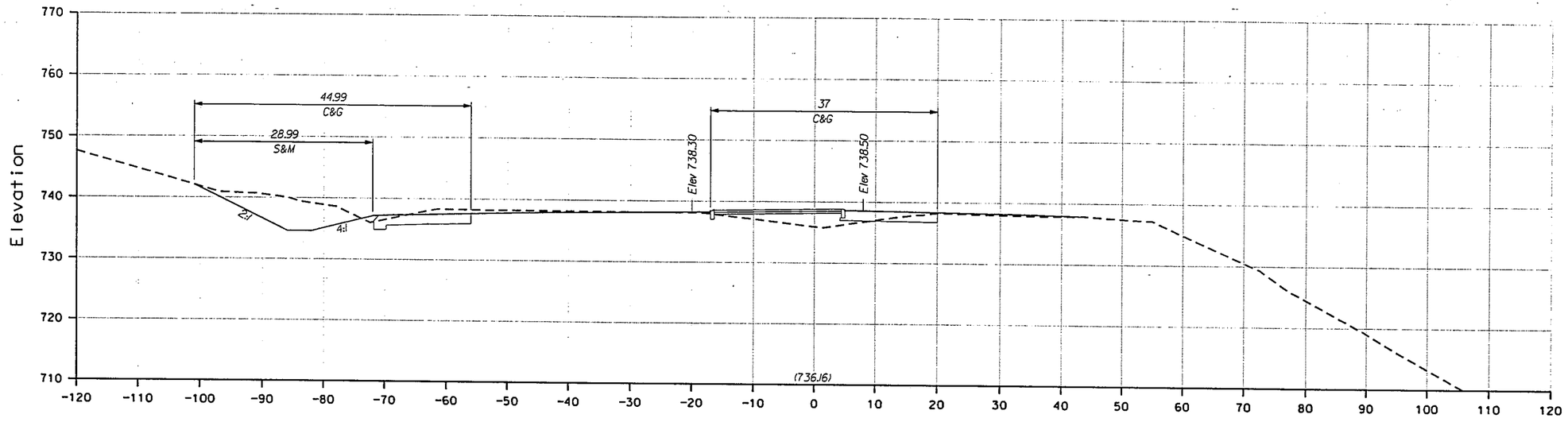
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

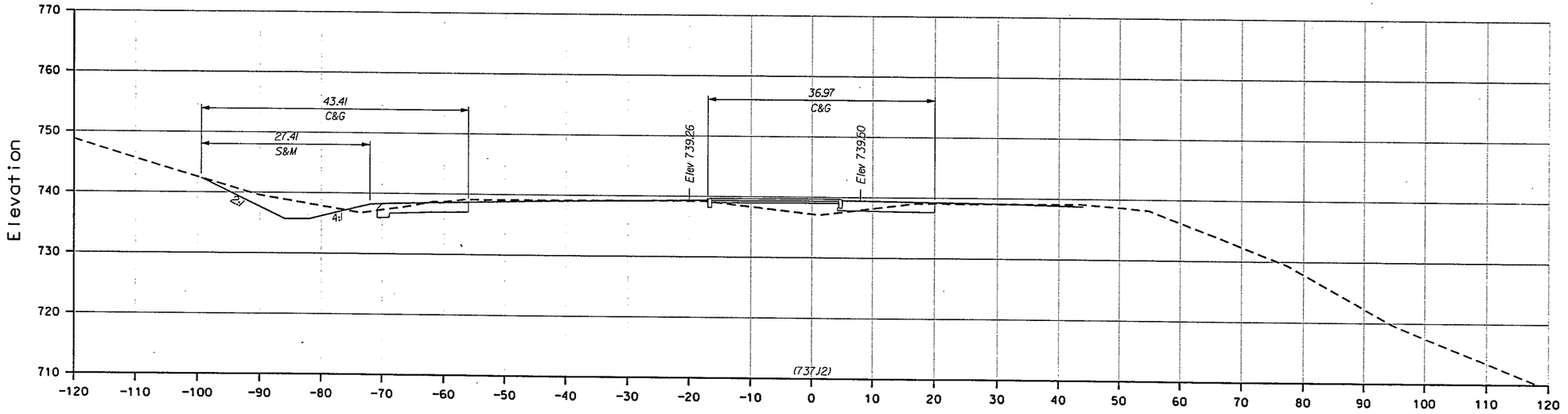
CROSS-SECTIONS

Sta. 241+00 to Sta. 241+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	218	265



242+50



242+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
242+00.		27.41		80.38		70.84		25.8				27.66		0.0			
	50		1410.0		4059.3		173.9		49.0				54.3		0.0		
242+50.		28.99		81.99		116.97		27.1				30.97		0.0			
	50		1074.8		4134.5		251.1		61.9				53.7		0.0		

SCALES

10 ft.

0 10 ft. 0

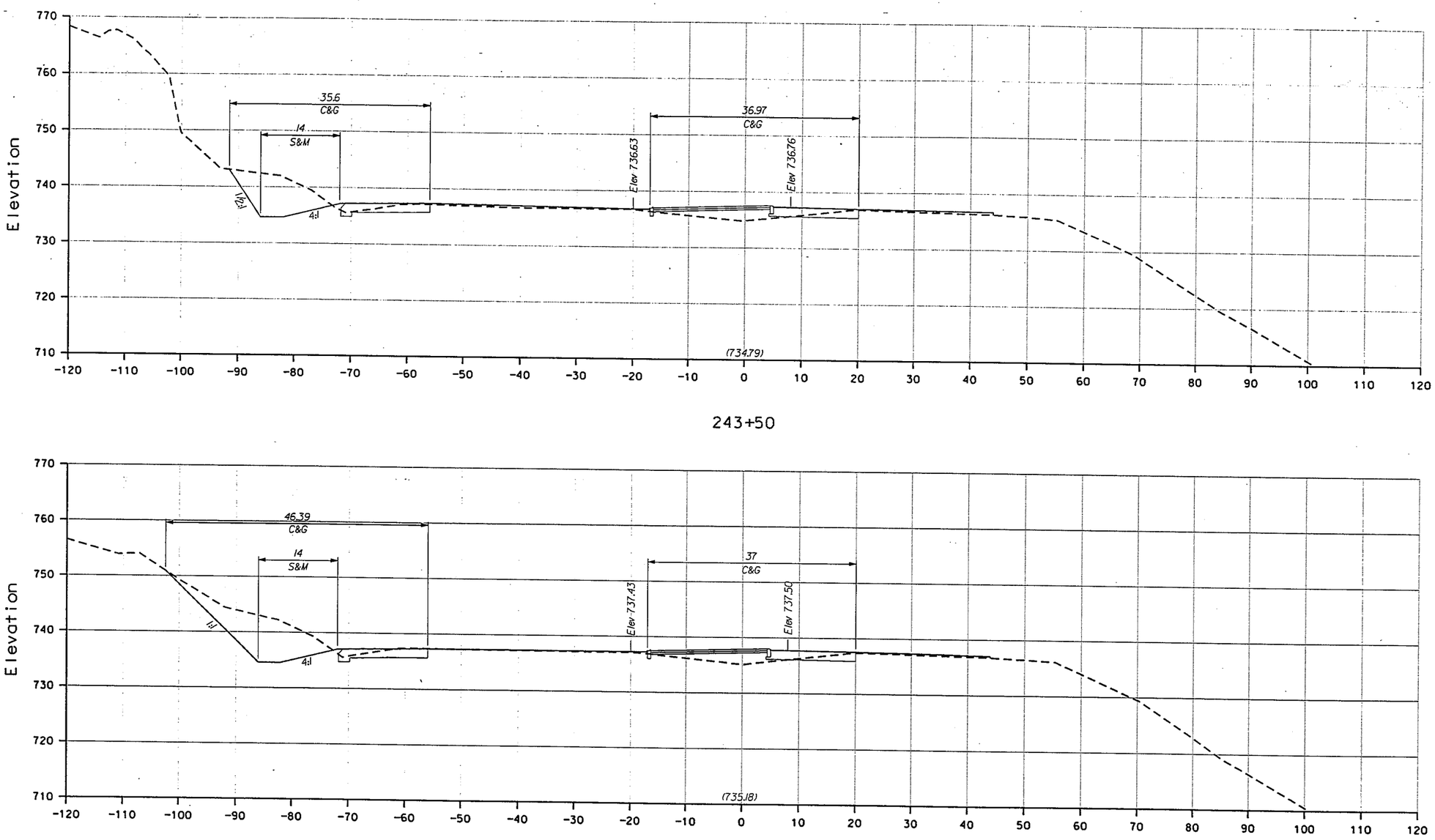
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 242+00 to Sta. 242+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	219	265



STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
243+00.		14		83.39		154.2		29.0				26.98		0.0			
	50		700.0		3899.0		245.0		48.5				49.9		0.0		
243+50.		14		72.57		110.38		23.5				26.94		0.0			
	50		700.0		3679.5		197.5		43.6				52.5		0.0		

SCALES
10 ft.
0 10 ft. 0

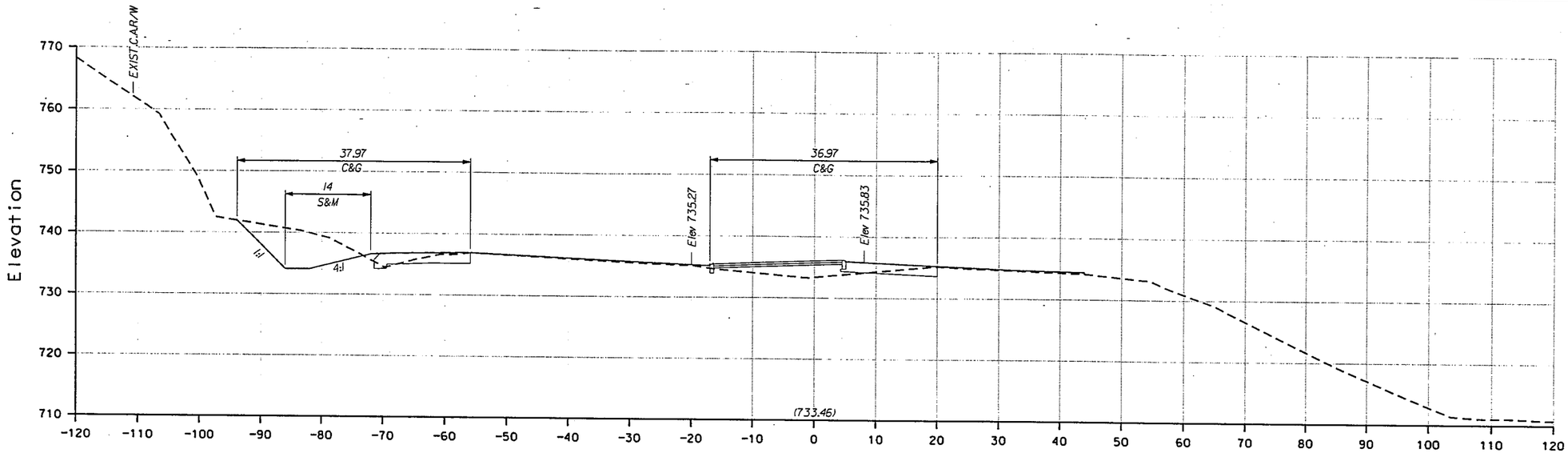
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

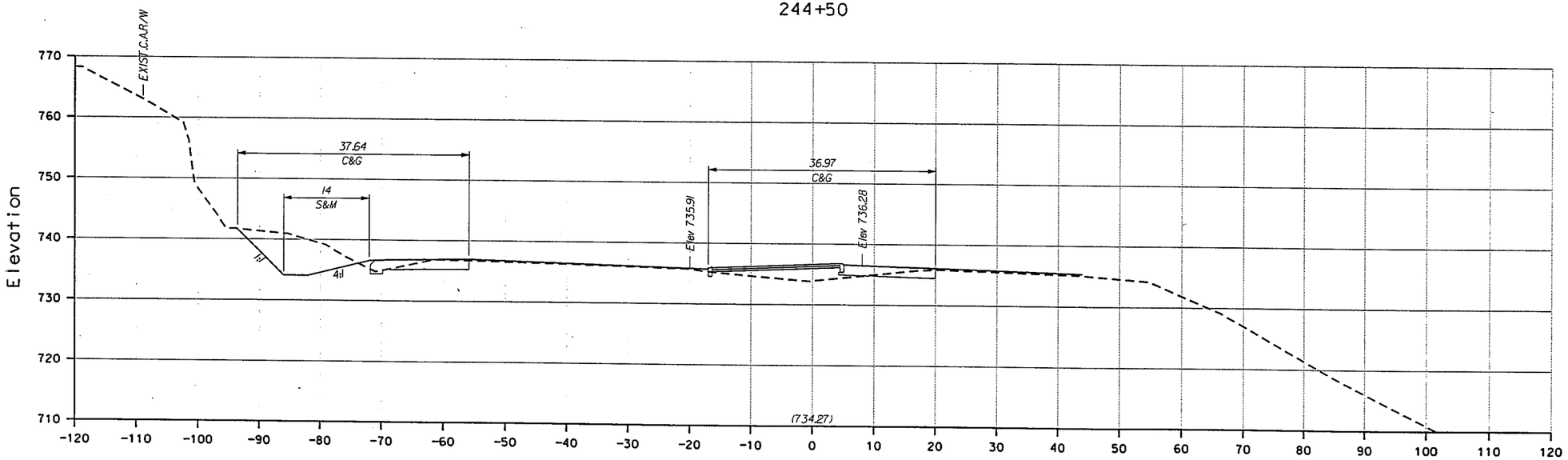
CROSS-SECTIONS

Sta. 243+00 to Sta. 243+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00	...	2001	KANAWHA	220	265



244+50



244+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
244+00.		14		74.61		102.89		23.7				29.77		0.0			
	50		700.0		3738.8		190.5		44.3				55.4		0.0		
244+50.		14		74.94		102.81		24.2				30.08		0.0			
	50		700.0		3742.8		186.3		44.1				72.1		0.0		

SCALES

10 ft.

0 10 ft. 0

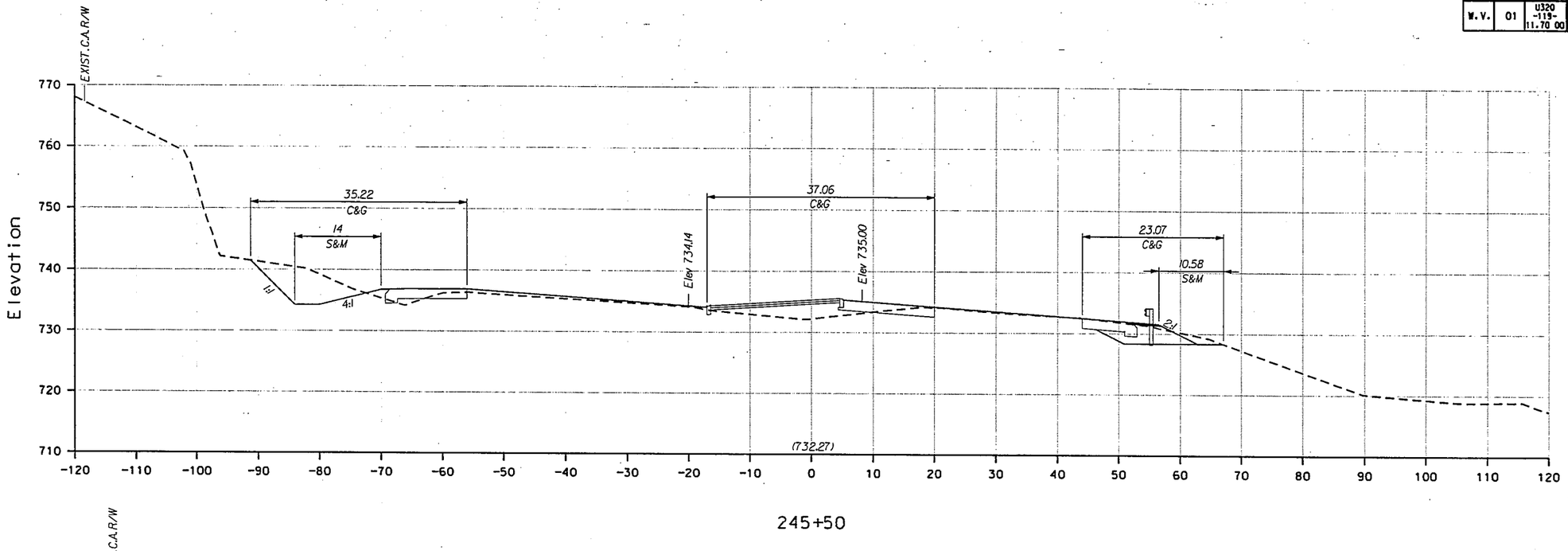
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

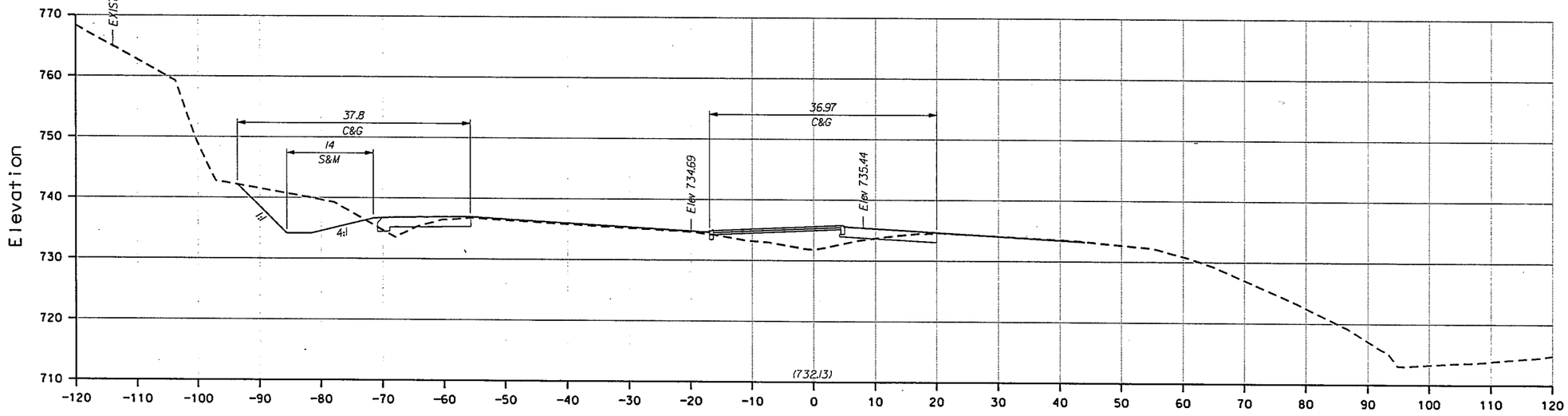
CROSS-SECTIONS

Sta. 244+00 to Sta. 244+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	221	265



245+50



245+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
245+00.		14		74.77		98.38		23.4				47.74		0.0			
	50		700.0		4253.0		163.8		38.6				82.4		0.0		
245+50.		14		95.35		78.57		18.3				41.23		0.0			
	50		1244.8		6088.3		245.4		51.2				109.3		54.3		

SCALES

10 ft.

0 10 ft. 0

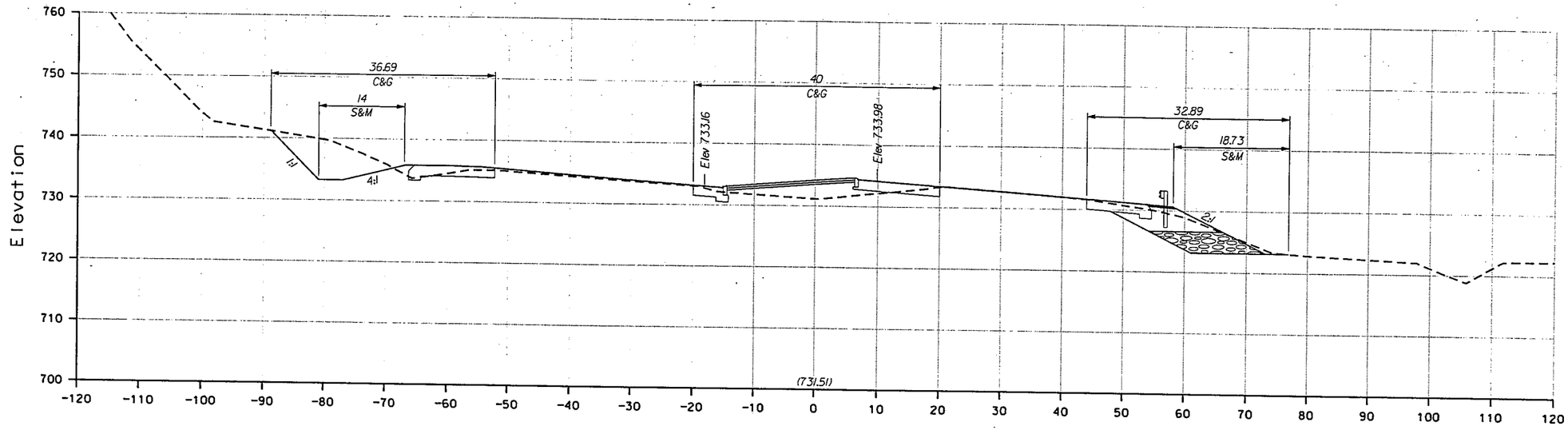
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

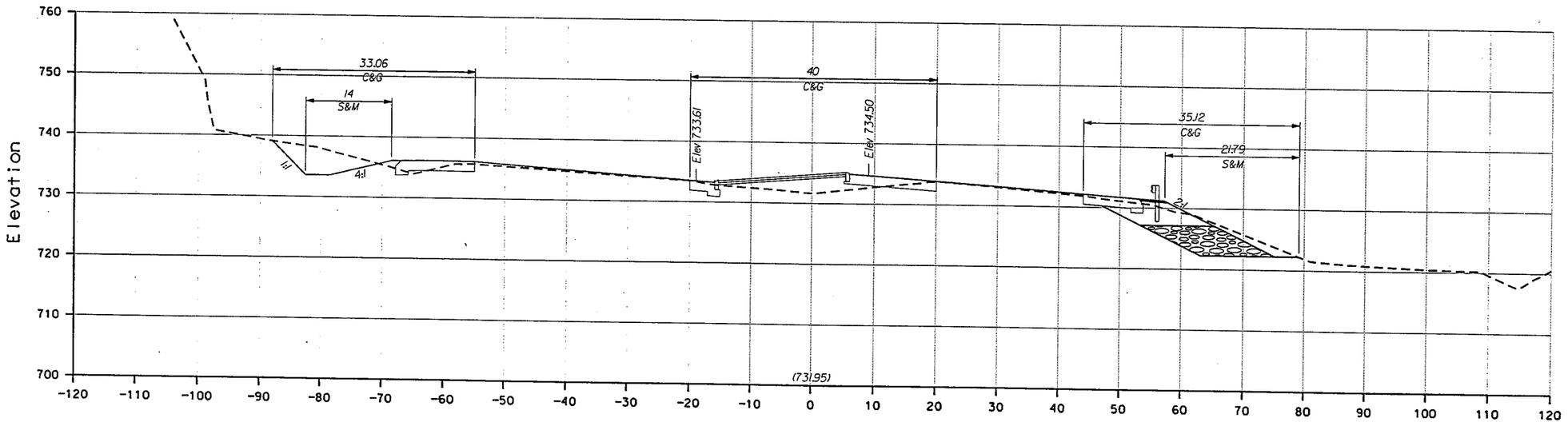
CROSS-SECTIONS

Sta. 245+00 to Sta. 245+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	222	265



246+50



246+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
246+00.		35.79		108.18		186.49		37.0				76.86		58.7			
	50		1713.0		6444.0		345.5		71.8				136.5		92.9		
246+50.		62.73		109.58		186.67		40.5				70.58		41.6			
	50		1449.3		6490.0		333.5		74.2				138.9		38.6		

10 ft.
SCALES
0 10 ft. 0

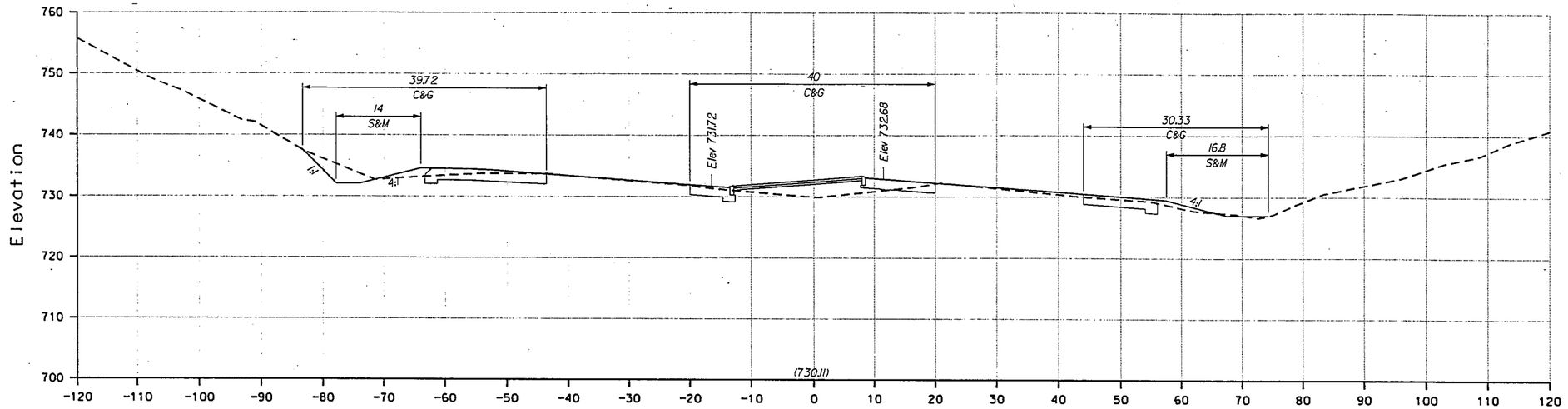
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

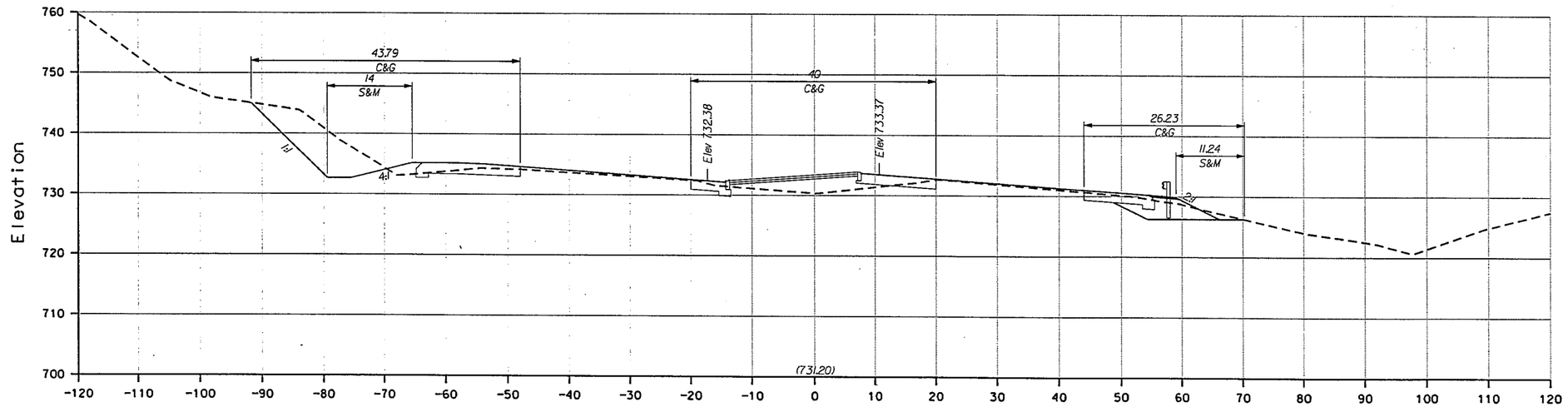
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 246+00 to Sta. 246+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320-119-11.70 00		2001	KANAWHA	223	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
247+00.		25.24		110.02		173.53		39.7				79.47		0.0			
	50		1401.0		6501.8		231.5		65.8				117.4		0.0		
247+50.		30.8		110.05		76.53		31.4				47.29		0.0			
	50		1470.0		6567.0		162.3		64.0				79.9		0.0		

SCALES
10 ft.
0 10 ft. 0

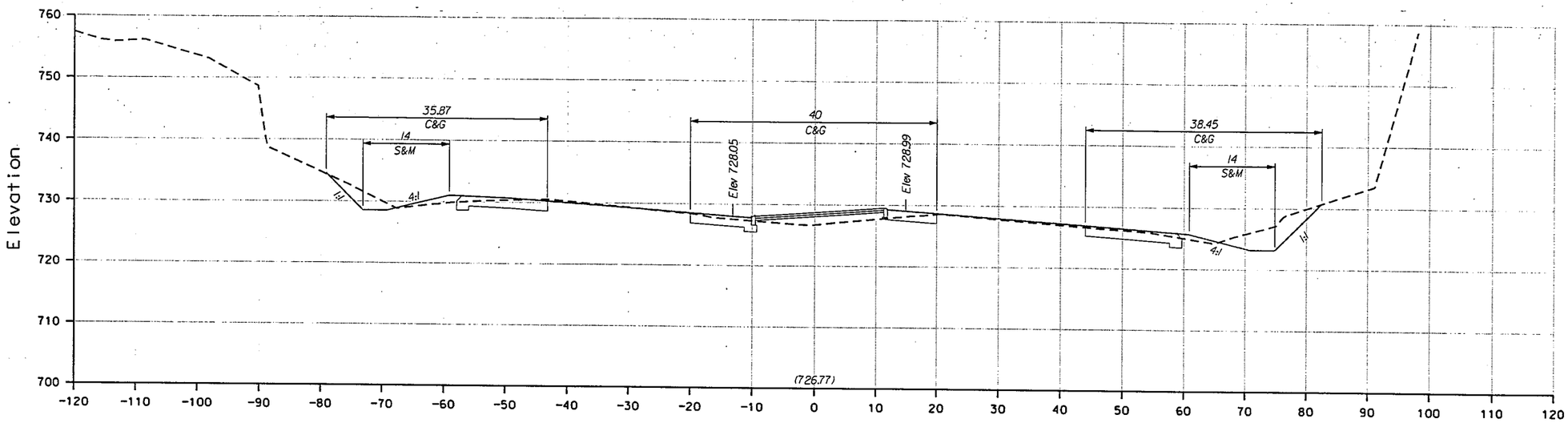
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

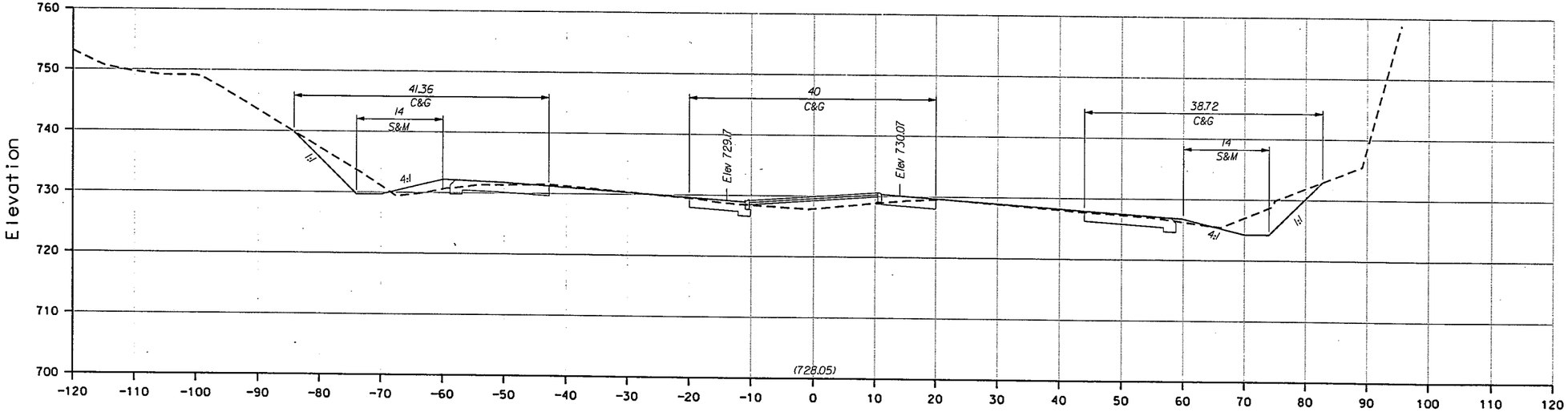
CROSS-SECTIONS

Sta. 247+00 to Sta. 247+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	225	265



249+50



249+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
249+00.		28		120.08		138.51		42.3				34.94		0.0			
	50		1400.0		5860.0		238.1		75.4				61.9		0.0		
249+50.		28		114.32		118.69		39.2				31.9		0.0			
	50		1400.0		5692.5		225.4		73.1				54.2		0.0		

SCALES

10 ft. 0 — 0 10 ft.

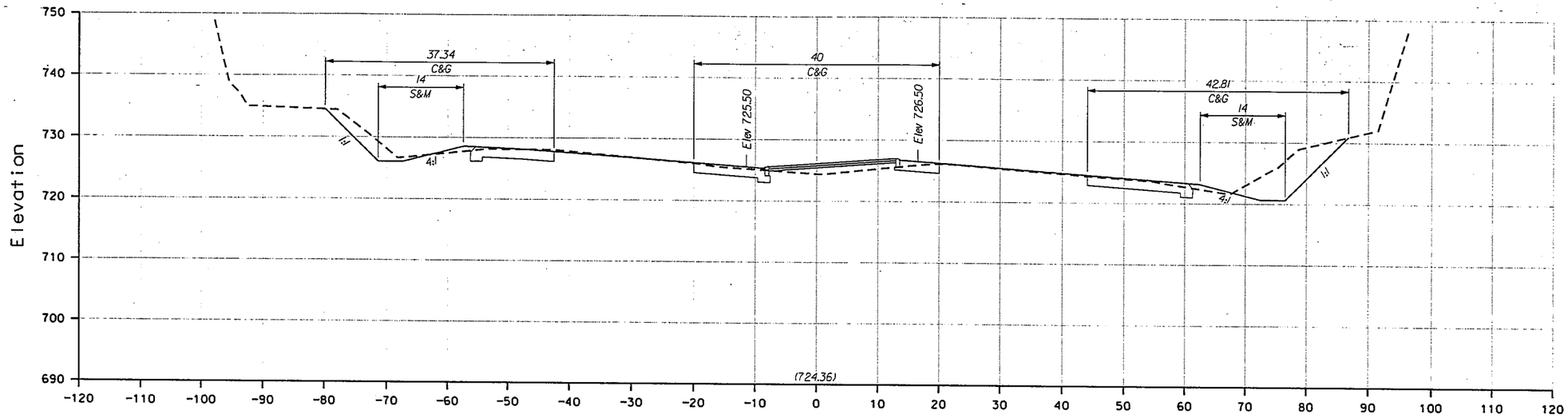
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

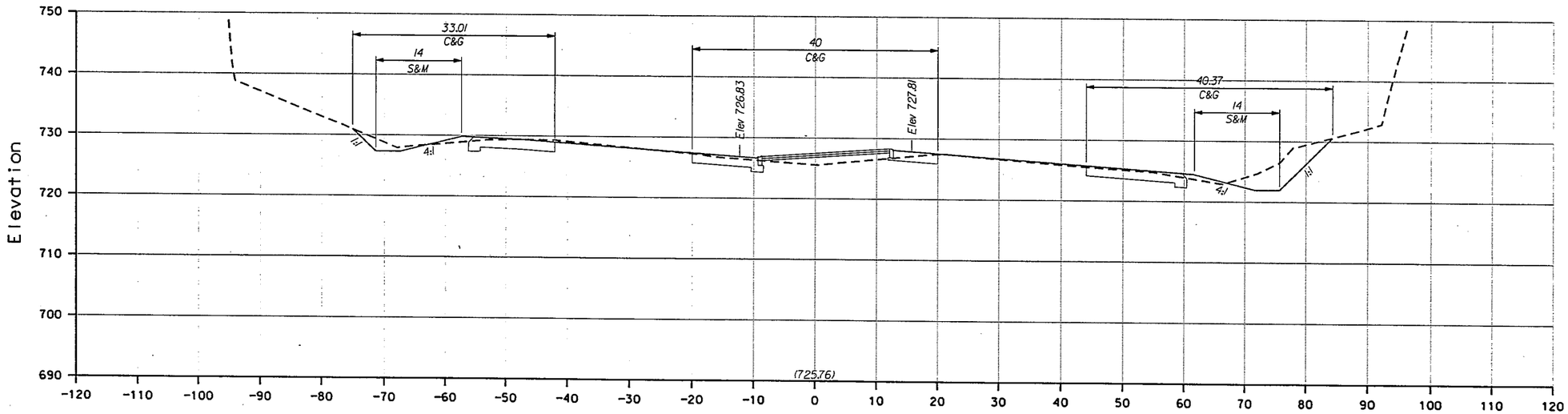
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 249+00 to Sta. 249+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	226	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
250+00.		28		113.38		124.71		39.8				26.62		0.0			
	50		1400.0		5838.3		267.8		76.7				46.7		0.0		
250+50.		28		120.15		64.56		43.1				23.82		0.0			
	50		1400.0		5020.5		297.5		80.1				42.3		0.0		

SCALES
10 ft.
0 10 ft. 0

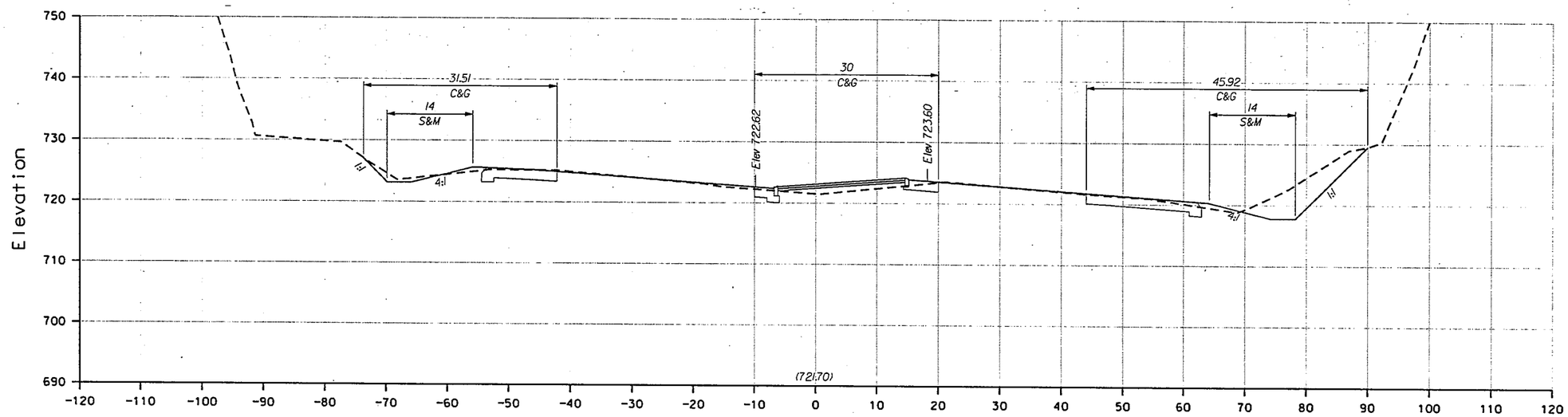
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

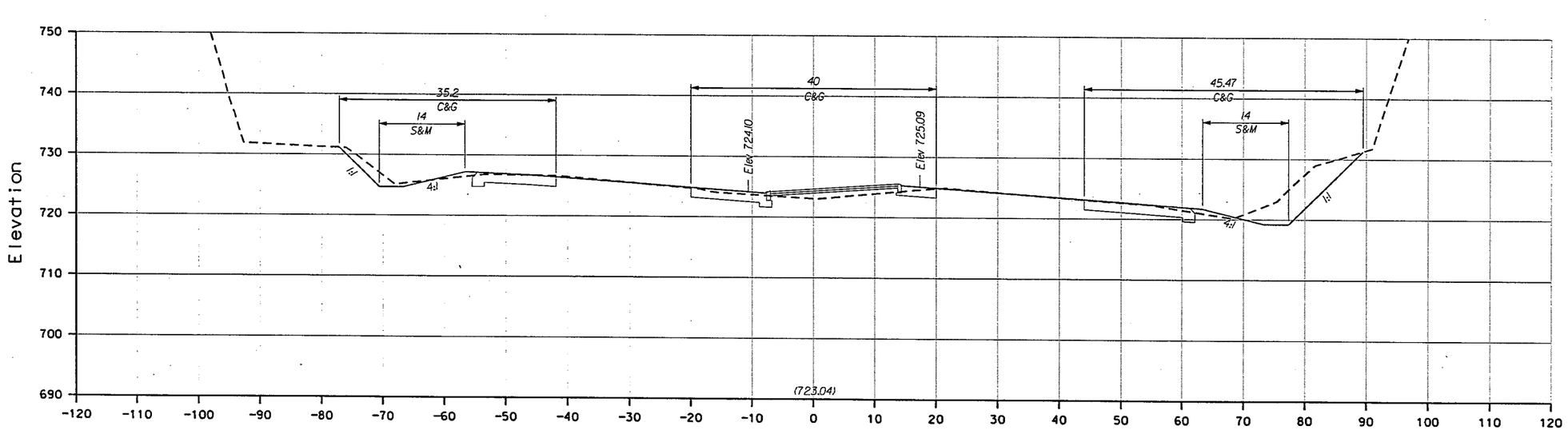
CROSS-SECTIONS

Sta. 250+00 to Sta. 250+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	227	265



251+50



251+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
251+00.		28		120.67		156.7		43.5				21.87		0.0			
	50		1400.0		6702.5		265.7		74.6				40.4		0.0		
251+50.		28		107.43		130.22		37.1				21.76		0.0			
	50		1400.0		5555.3		264.6		73.5				34.6		0.0		

SCALES
10 ft.
0 10 ft. 0

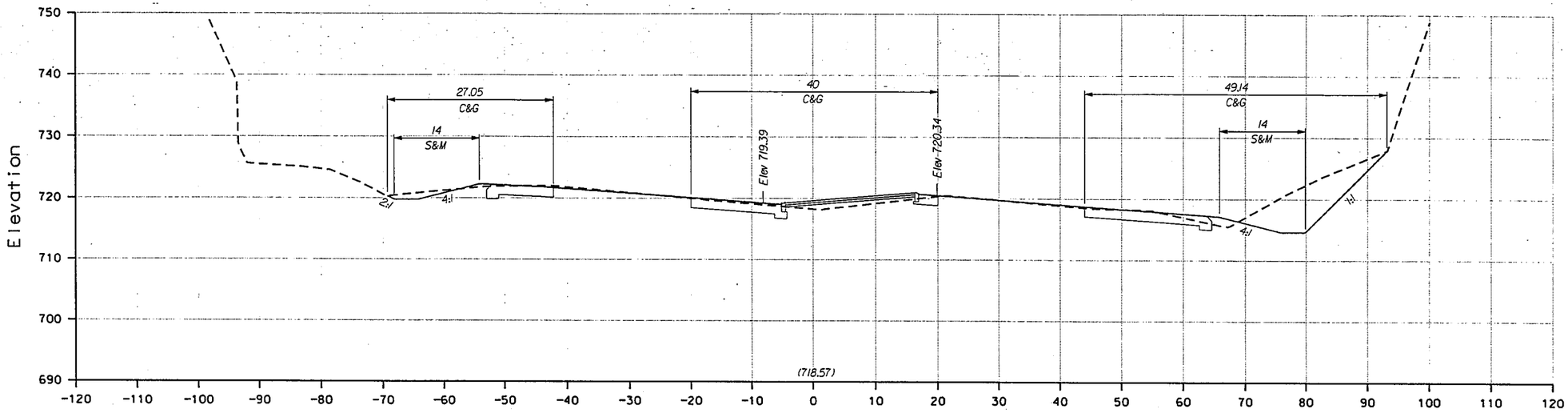
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

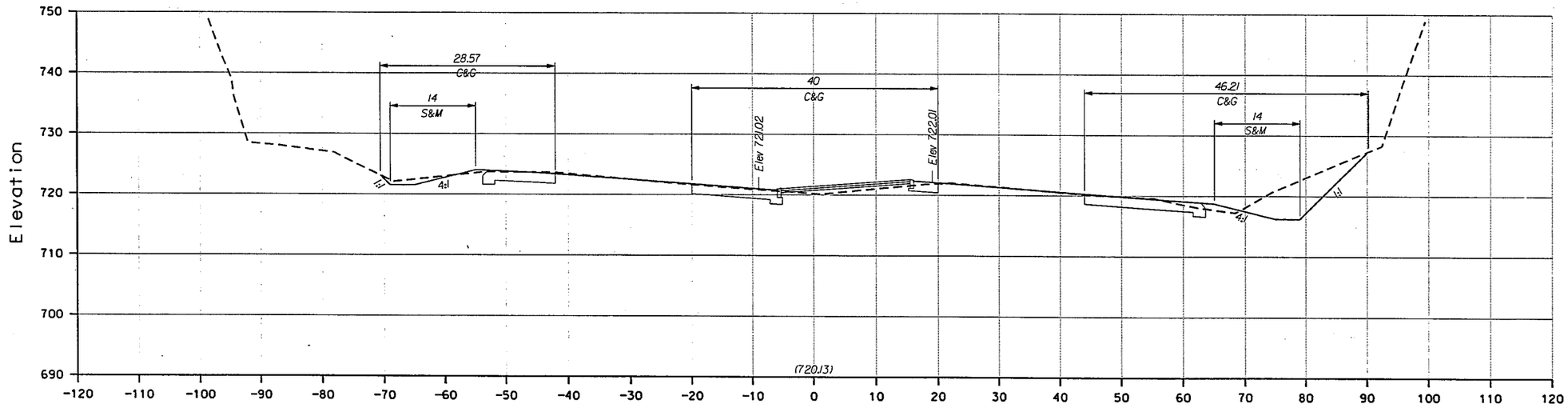
CROSS-SECTIONS

Sta. 251+00 to Sta. 251+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	228	265



252+50



252+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
252+00.		28		114.78		155.58		42.3				15.6		0.0			
	50		1400.0		5774.3		310.6		79.4				36.5		0.0		
252+50.		28		116.19		179.84		43.5				23.77		0.0			
	50		1050.0		5093.5		256.6		67.3				44.0		0.0		

SCALES
10 ft.
0 10 ft. 0

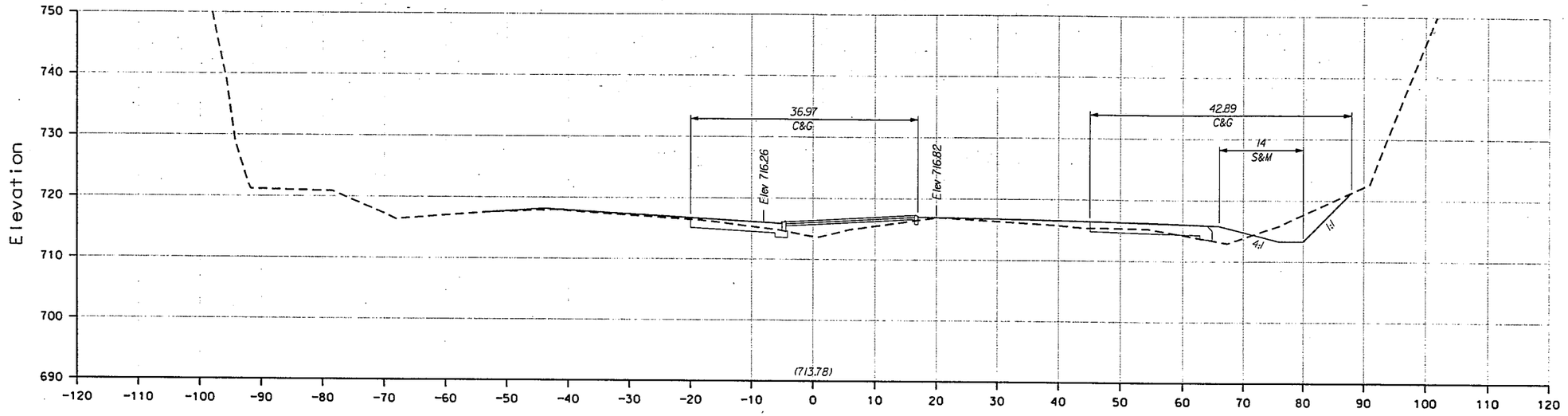
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

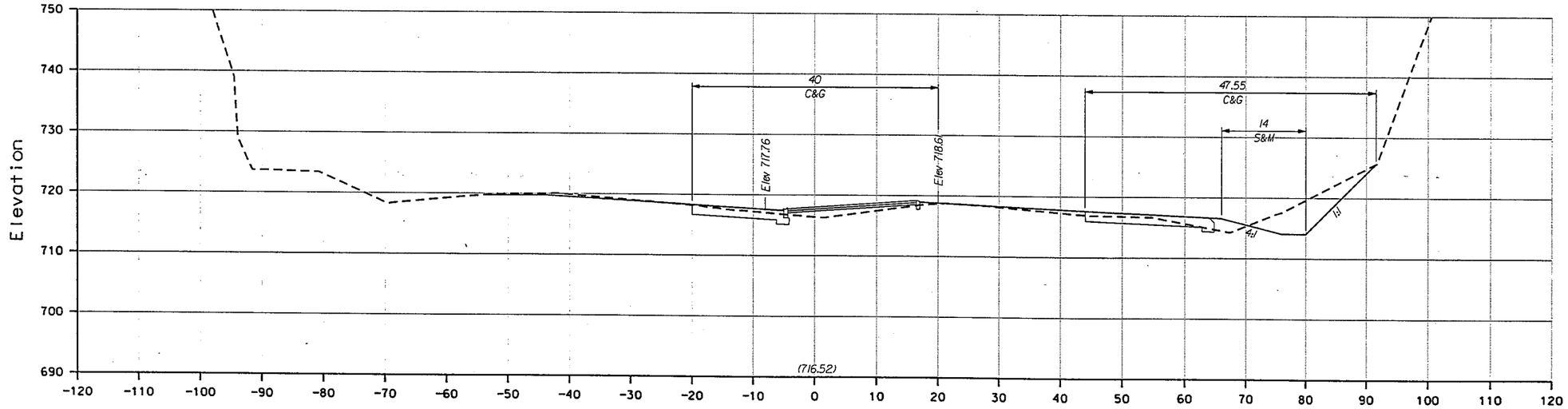
CROSS-SECTIONS

Sta. 252+00 to Sta. 252+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -115- 11.70 00		2001	KANAWHA	229	265



253+50



253+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
253+00.		14		87.55		97.3		29.2				23.77		0.0			
	50		700.0		4185.3		146.4		51.3				55.6		0.0		
253+50.		14		79.86		60.85		26.3				36.25		0.0			
	50		700.0		3995.0		120.7		48.9				57.9		0.0		

SCALES
10 ft.
0 10 ft. 0

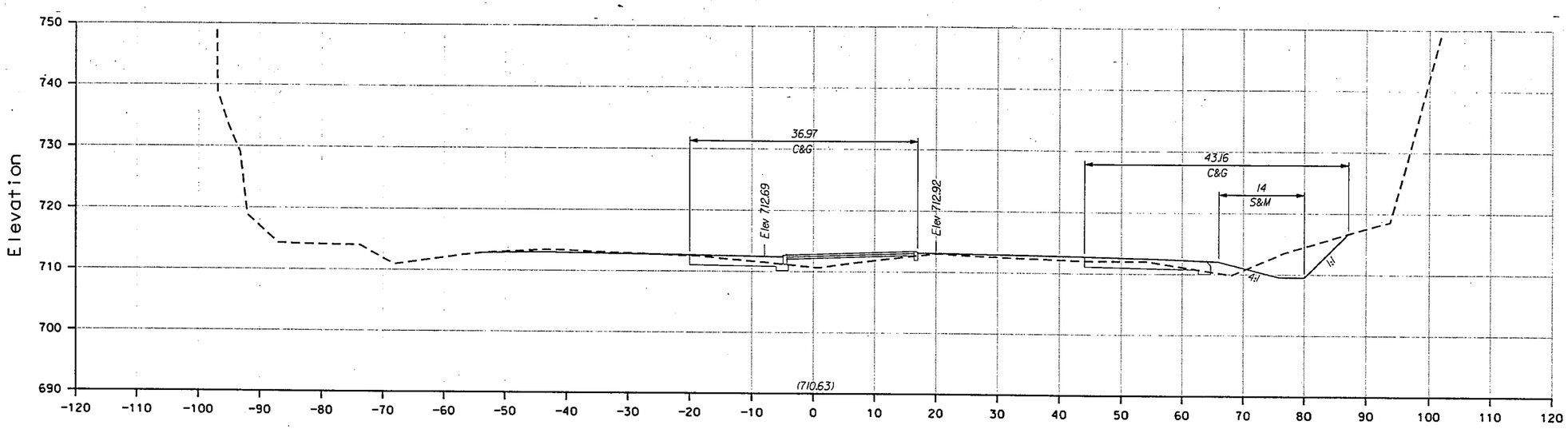
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

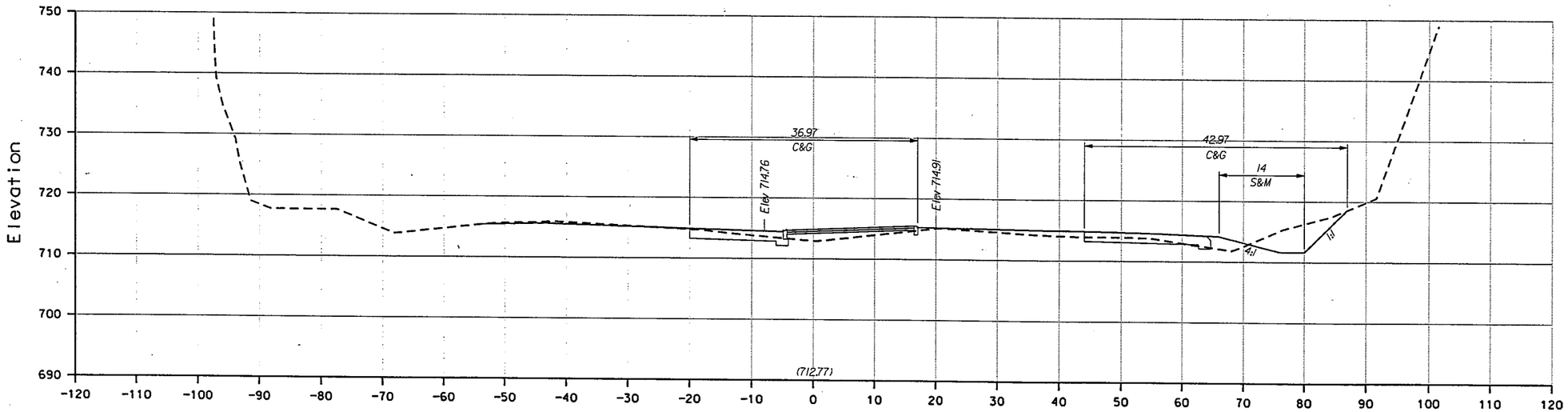
CROSS-SECTIONS

Sta. 253+00 to Sta. 253+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	230	265



254+50



254+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
254+00.		14		79.94		69.52		26.5				26.3		0.0			
	50		700.0		4001.8		136.5		49.4				49.4		0.0		
254+50.		14		80.13		97.91		26.9				27.1		0.0			
	50		700.0		4002.3		143.1		49.8				55.0		0.0		

SCALES

10 ft. 0 — 0 10 ft.

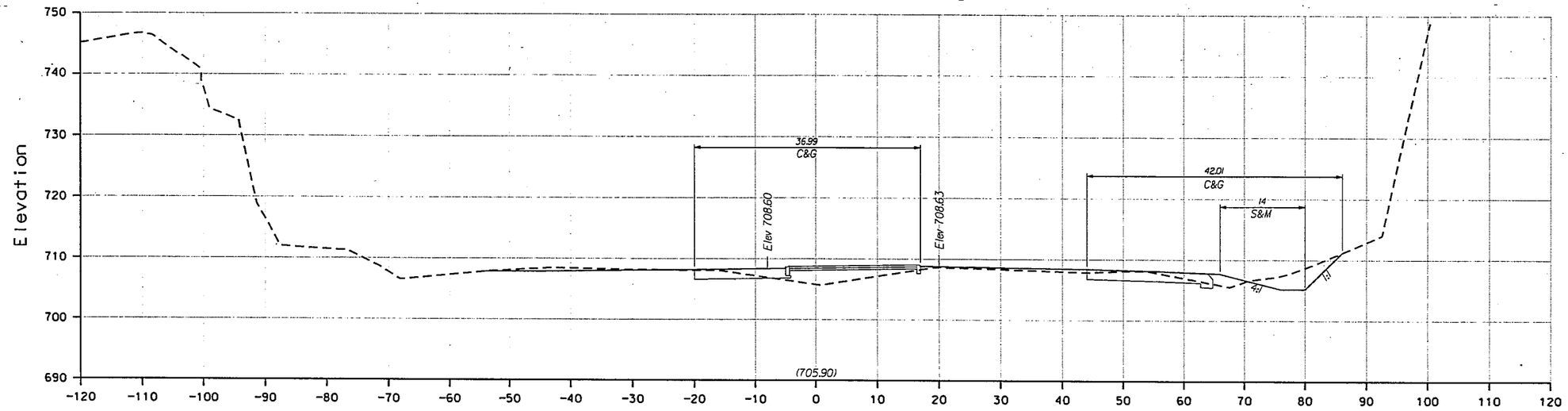
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

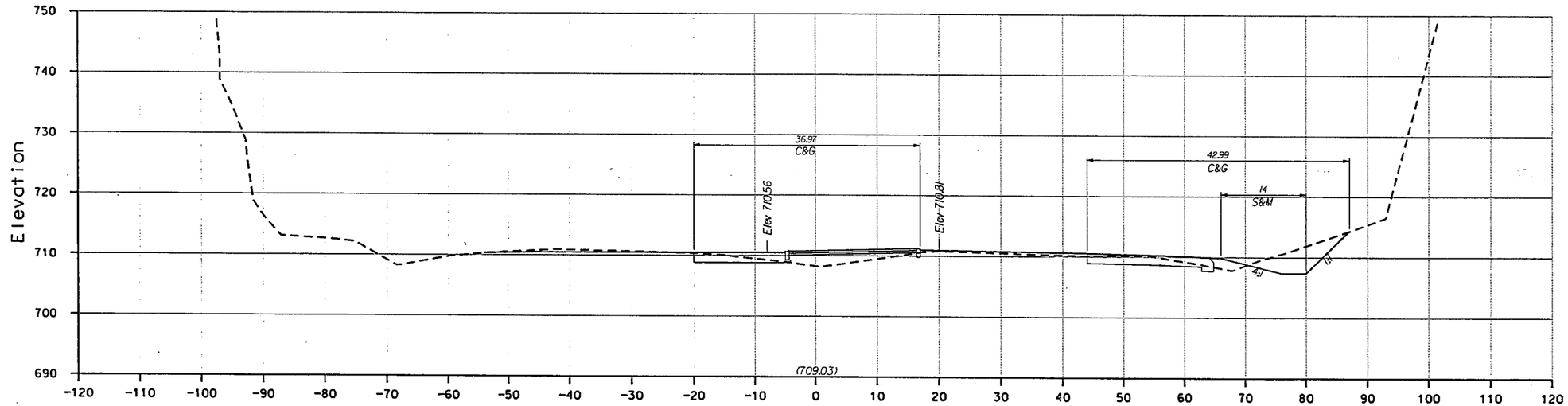
CROSS-SECTIONS

Sta. 254+00 to Sta. 254+50

Public Roads Sta.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	231	265



255+50



255+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
255+00.		14		79.96		76.67		27.0				32.33		0.0			
	50		700.0		5974.0		129.6		48.1				66.4		0.0		
255+50.		14		79		63.29		25.1				39.37		0.0			
	50		700.0		5971.5		124.6		46.7				75.5		0.0		

SCALES
0 10 ft.
10 ft. 0

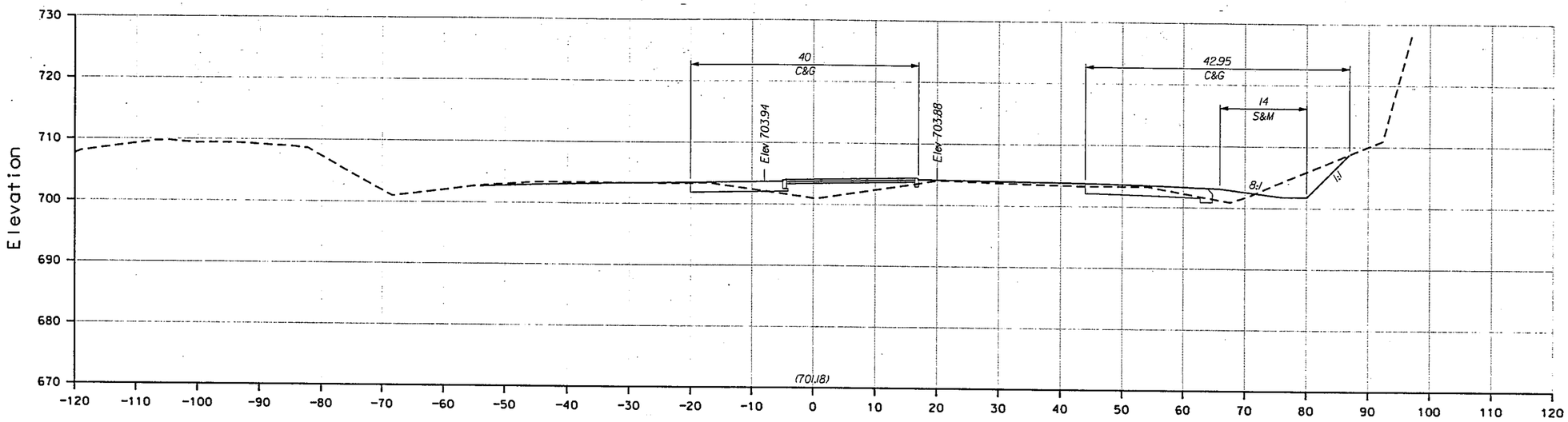
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

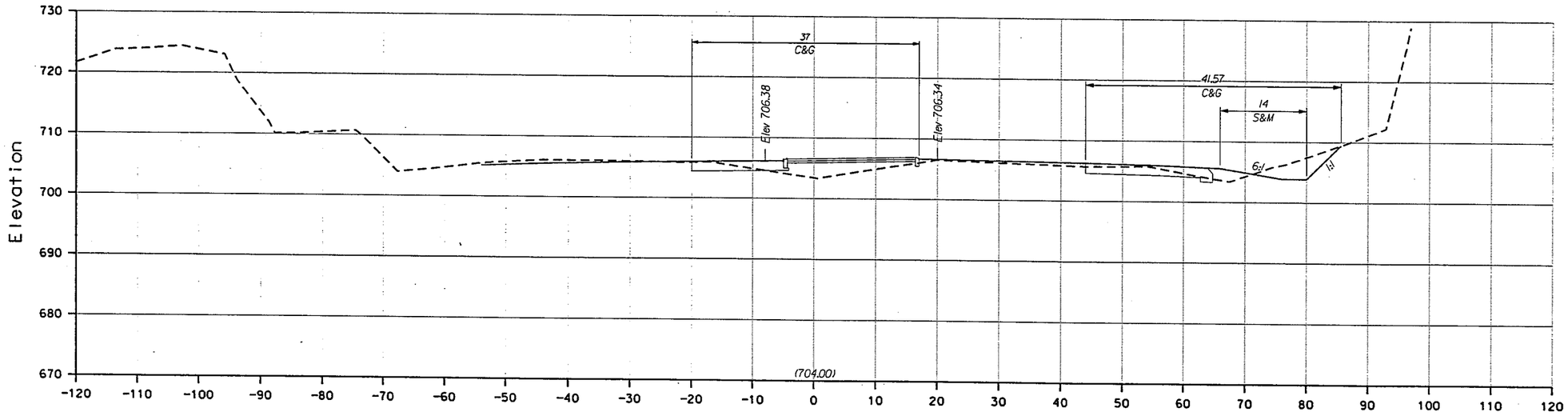
CROSS-SECTIONS

Sta. 255+00 to Sta. 255+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	232	265



256+50



256+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
256+00.		14		78.57		59.61		24.3				43.12		0.0			
	50		700.0		8038.0		116.3		38.5				78.1		0.0		
256+50.		14		82.95		65.95		17.2				41.22		0.0			
	50		700.0		4117.3		107.8		38.0				78.9		0.0		

SCALES

10 ft. 0 10 ft. 0

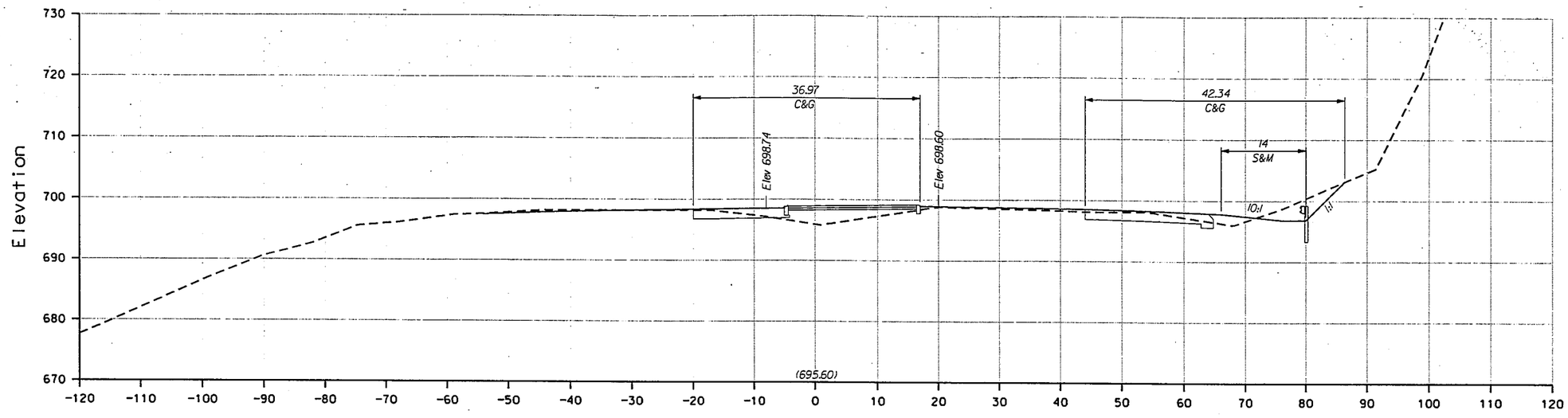
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

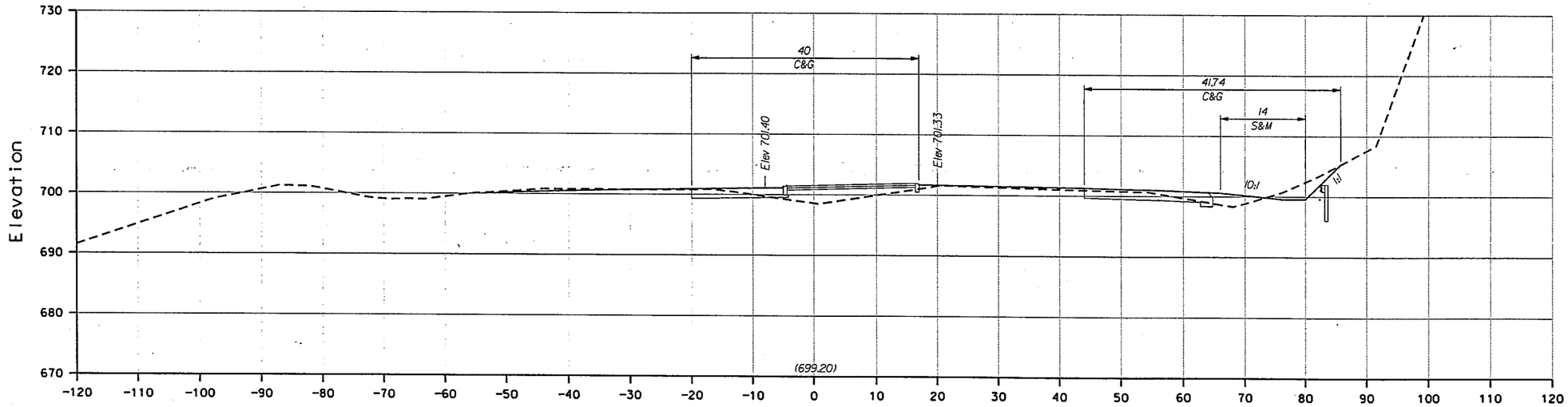
CROSS-SECTIONS

Sta. 256+00 to Sta. 256+50

Public Roads Dis.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W. V.	01	U320 -119- 11.70 00		2001	KANAWHA	233	265



257+50



257+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
257+00.		14		81.74		50.5		23.8				44		0.0			
	50		700.0		4026.3		104.2		44.7				78.0		0.0		
257+50.		14		79.31		62.03		24.5				40.19		0.0			
	50		700.0		3980.0		119.5		45.4				79.0		0.0		

SCALES
10 ft.
0 10 ft. 0

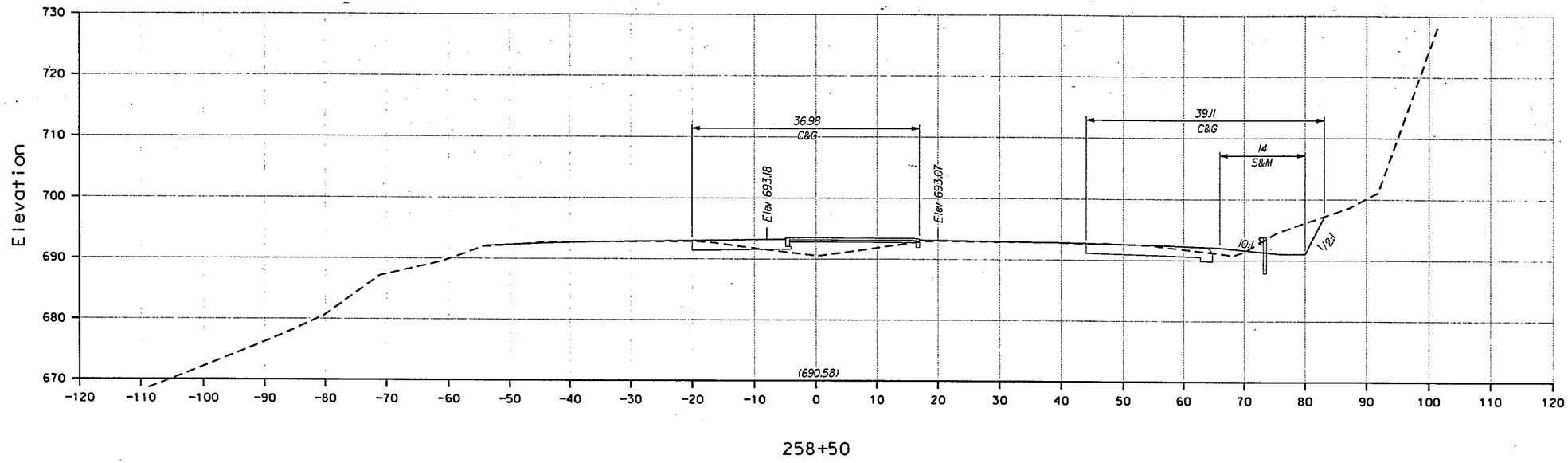
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

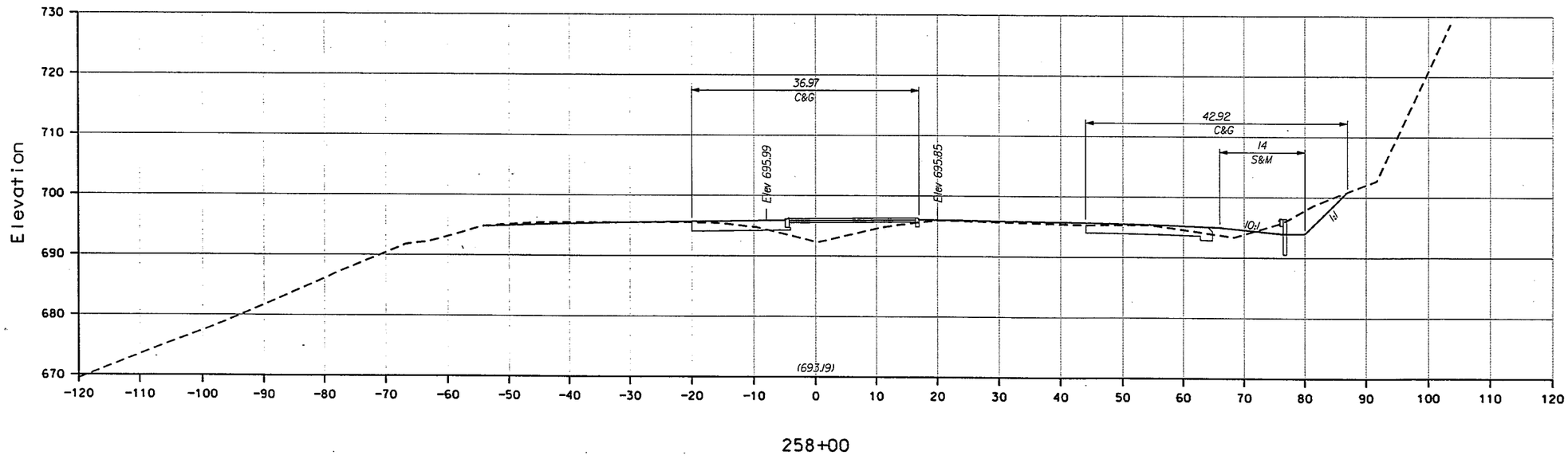
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 257+00 to Sta. 257+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	234	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
258+00.		14		79.89		67.02		24.6				45.1		0.0			
	50		700.0		3899.5		132.5		44.1				72.7		0.0		
258+50.		14		76.09		76.1		23.0				33.45		0.0			
	50		700.0		4015.5		232.4		48.9				52.8		0.0		

SCALES
10 ft.
0 10 ft. 0

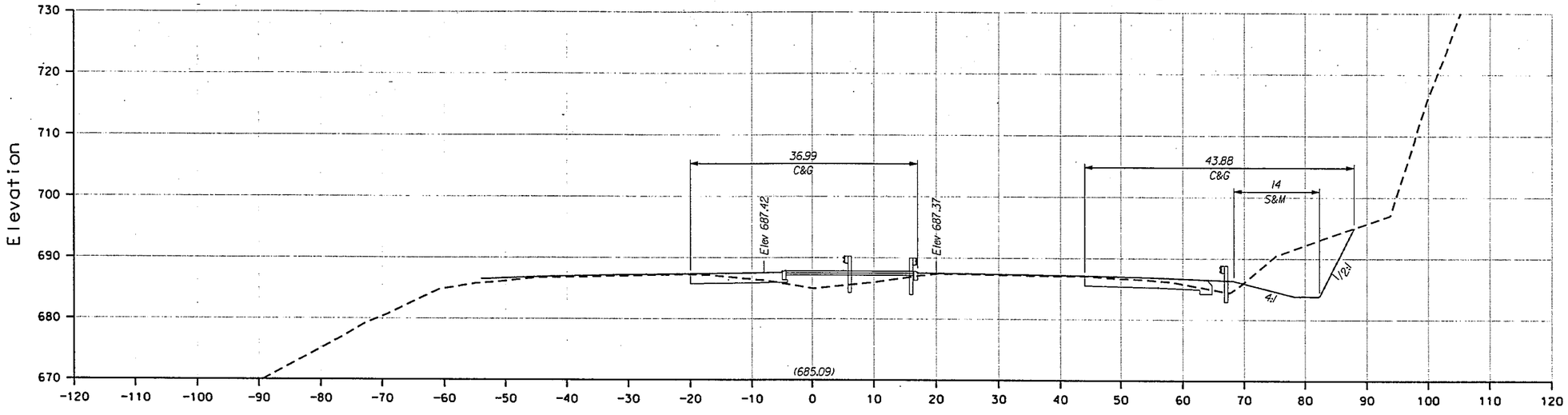
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

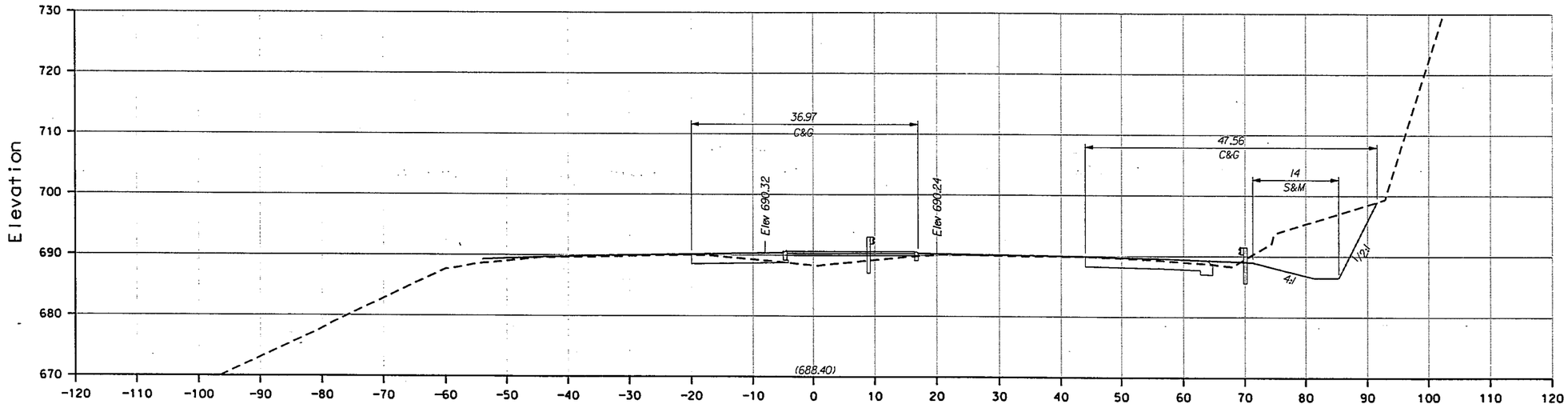
CROSS-SECTIONS

Sta. 258+00 to Sta. 258+50

Public Roads Dir.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	235	265



259+50



259+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
259+00.		14		78.12		122.63		26.9				22.77		0.0			
	50		700.0		4096.3		245.5		52.3				54.1		0.0		
259+50.		14		85.73		142.46		29.6				35.67		0.0			
	50		700.0		4255.8		254.4		52.6				69.4		0.0		

SCALES
10 ft.
0 10 ft. 0

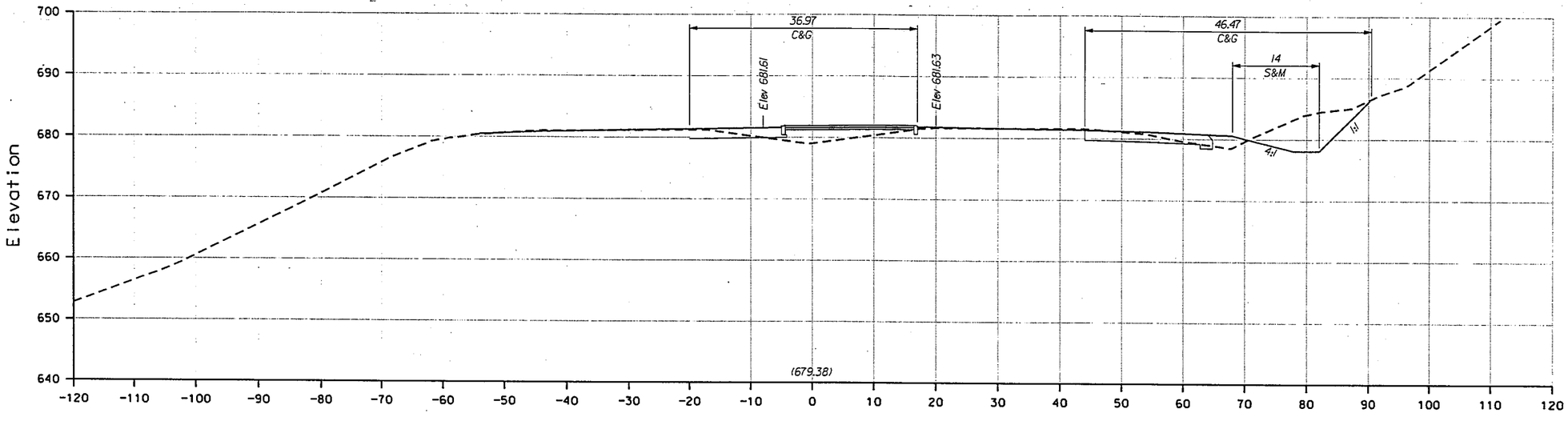
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

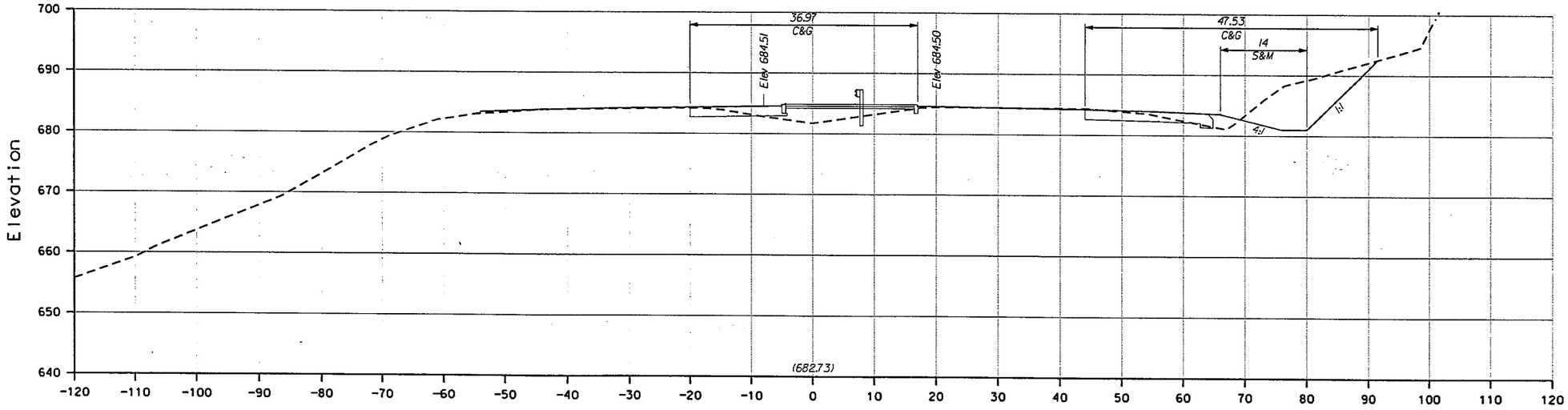
CROSS-SECTIONS

Sta. 259+00 to Sta. 259+50

Public Access Sta.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	236	265



260+50



260+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED		UNSUITABLE		----------		UNCLASSIFIED		SELECT		----------	
						(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
260+00.		14		84.5		132.34		27.2				39.32		0.0			
	50		700.0		4198.5		214.6		50.3				71.3		0.0		
260+50.		14		83.44		99.47		27.1				37.7		0.0			
	50		700.0		4200.3		180.0		50.8				67.6		0.0		

SCALES
10 ft.
0 10 ft. 0

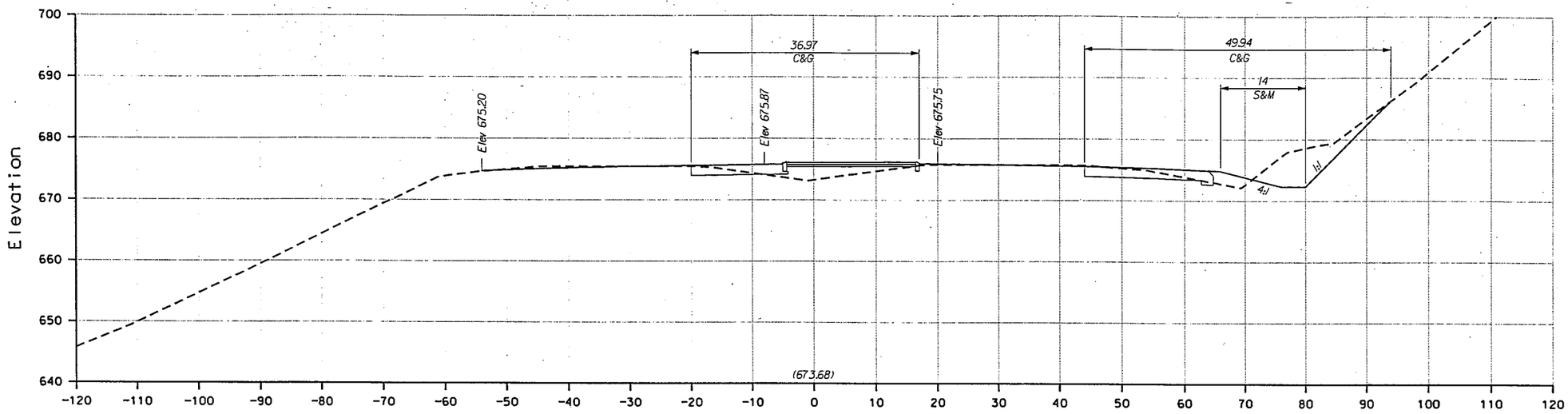
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

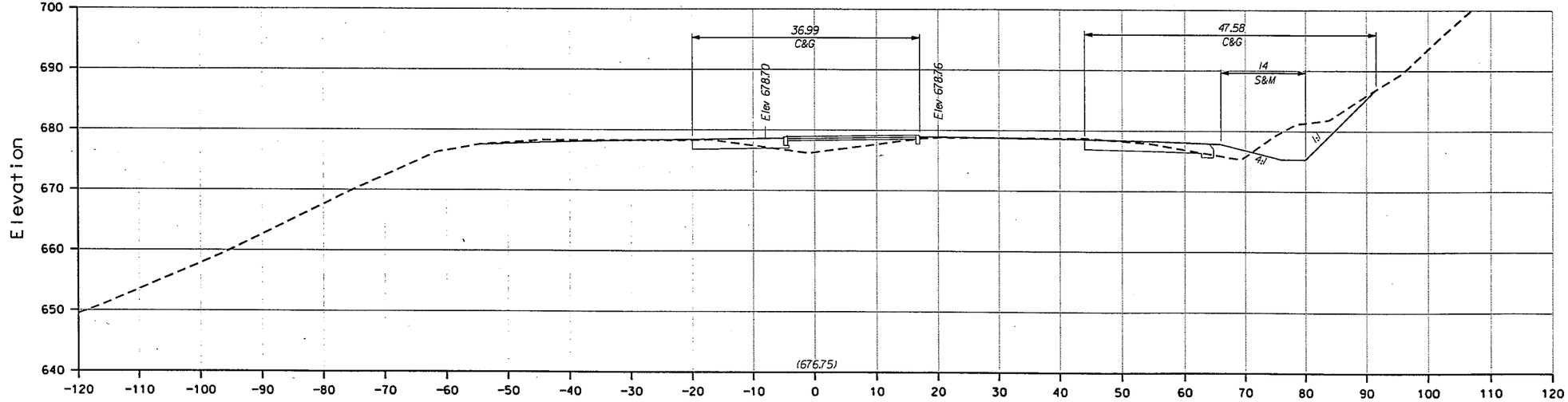
CROSS-SECTIONS

Sta. 260+00 to Sta. 260+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	237	265



261+50



261+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
261+00.		14		84.57		94.97		27.8				35.29		0.0			
	50		700.0		4287.0		179.2		51.7				68.3		0.0		
261+50.		14		86.91		98.54		28.1				38.42		0.0			
	50		700.0		4190.8		171.2		48.4				76.2		0.0		

SCALES
10 ft.
0 10 ft. 0

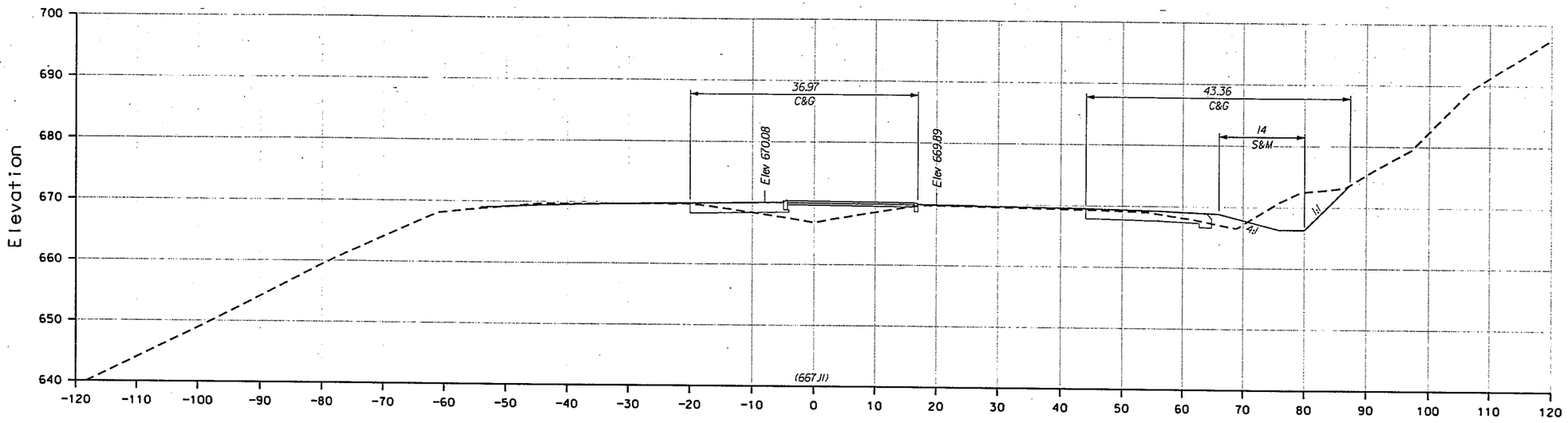
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

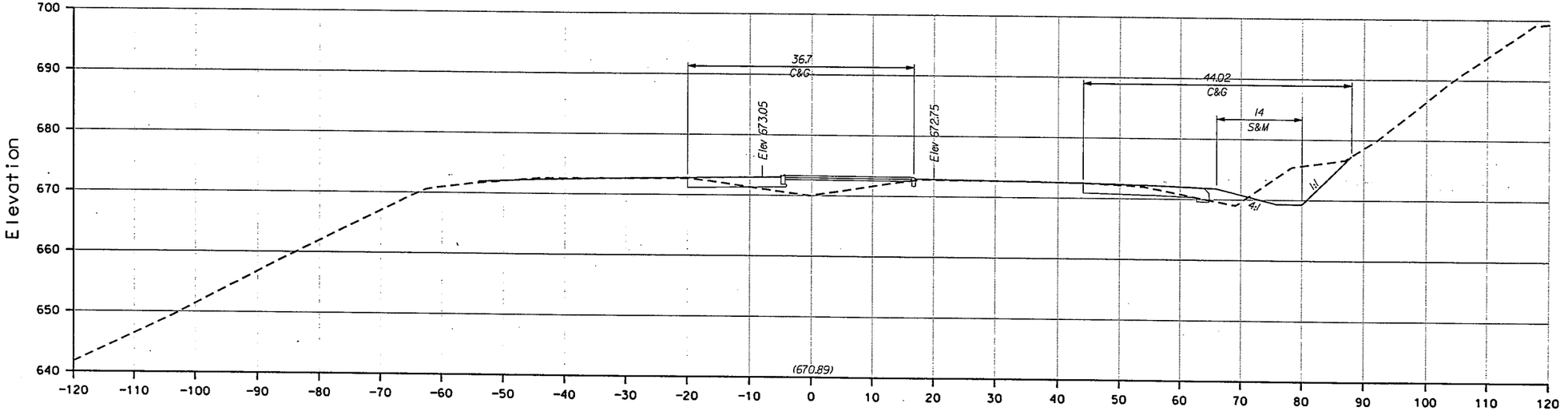
CROSS-SECTIONS

Sta. 261+00 to Sta. 261+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	238	265



262+50



262+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
262+00.		14		80.72		86.34		24.3				43.89		0.0			
	50		700.0		4026.3		159.9		44.8				81.0		0.0		
262+50.		14		80.33		86.35		24.2				43.64		0.0			
	50		700.0		4100.0		166.5		46.3				85.6		0.0		

SCALES
10 ft.
0 10 ft. 0

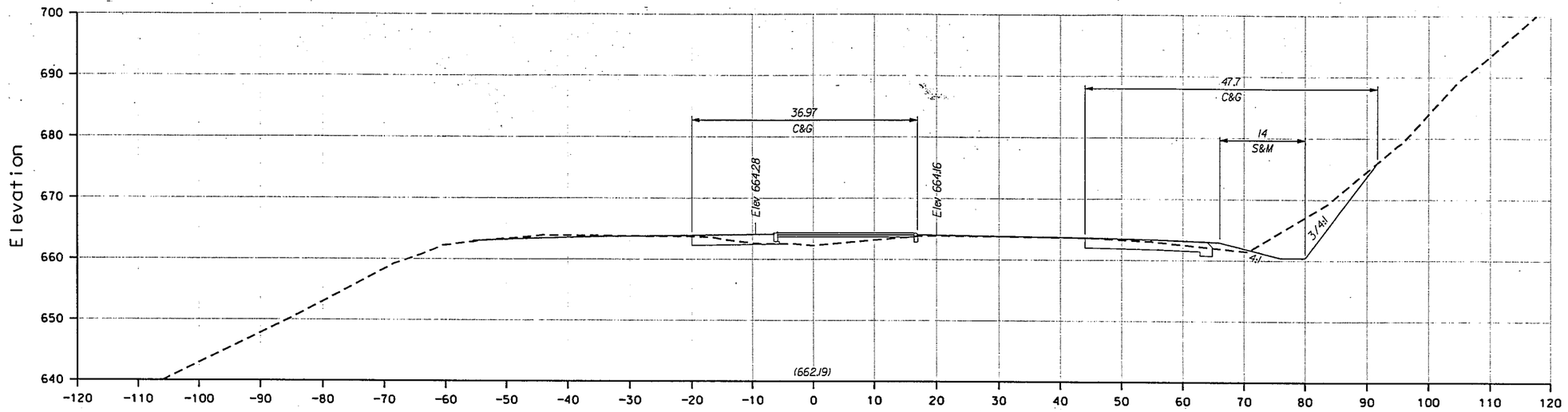
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

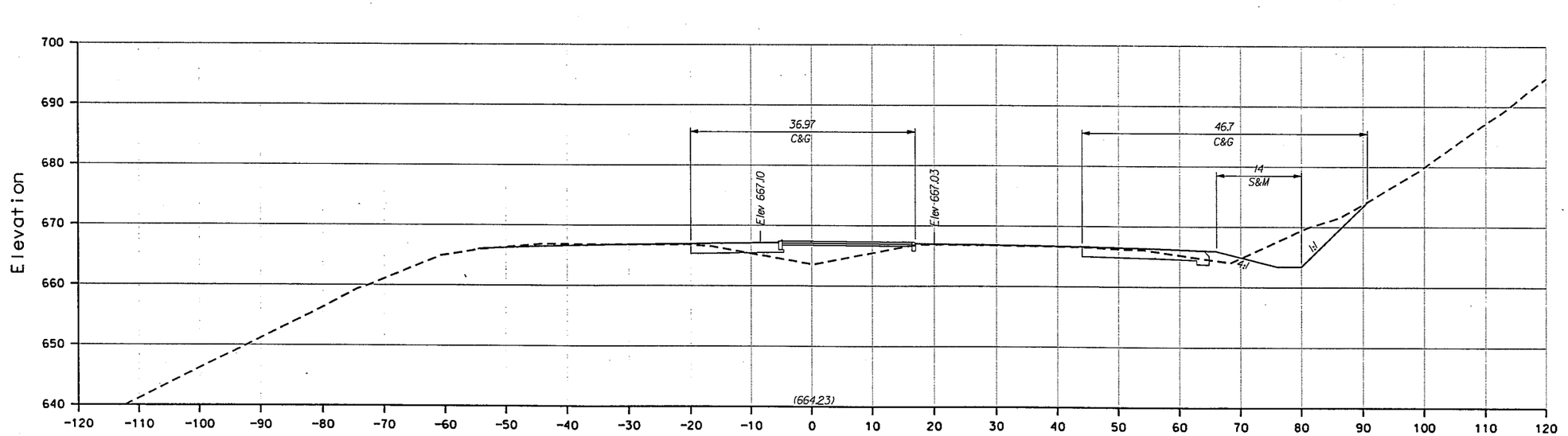
CROSS-SECTIONS

Sta. 262+00 to Sta. 262+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	239	265



263+50



263+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
263+00.		14		83.67		93.49		25.8				48.85		0.0			
	50		700.0		4208.5		182.6		50.0				66.4		0.0		
263+50.		14		84.67		103.76		28.2				22.81		0.0			
	50		700.0		4164.3		188.3		51.3				42.0		0.0		

SCALES

10 ft.

0 10 ft. 0

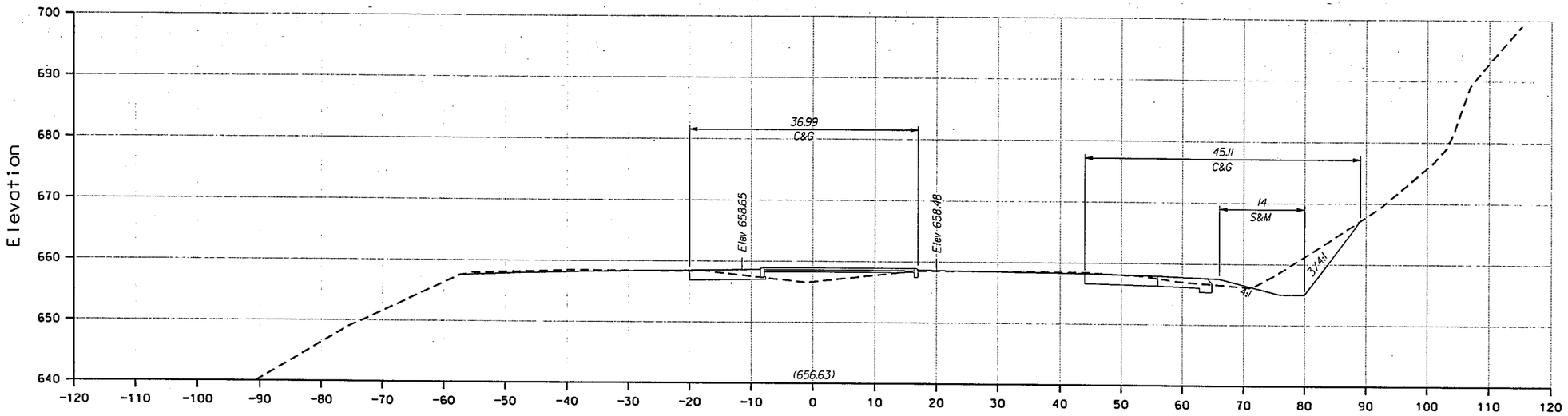
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

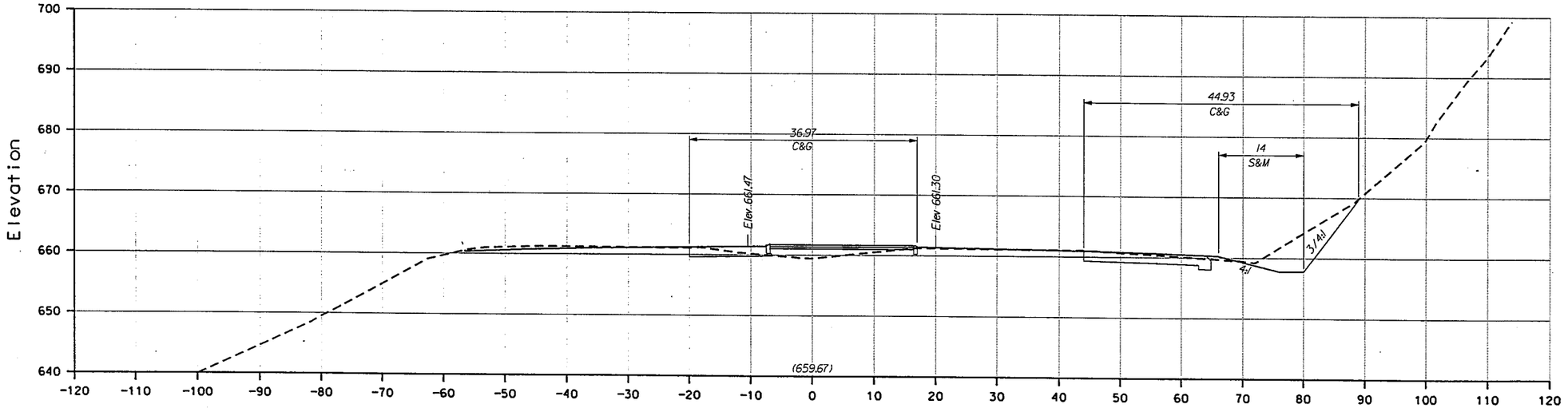
CROSS-SECTIONS

Sta. 263+00 to Sta. 263+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	240	265



264+50



264+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
264+00.		14		81.9		99.61		27.2				22.57		0.0			
	50		700.0		4100.0		181.0		49.0				45.9		0.0		
264+50.		14		82.1		95.86		25.7				26.96		0.0			
	50		700.0		4135.3		196.5		47.3				56.9		0.0		

SCALES
10 ft.
0 10 ft. 0

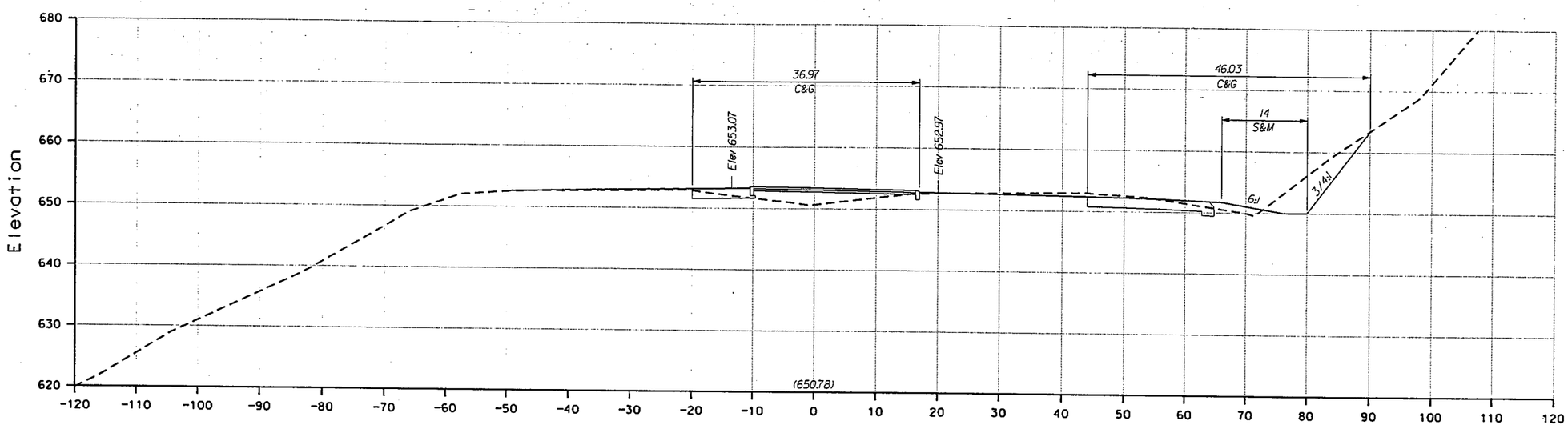
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

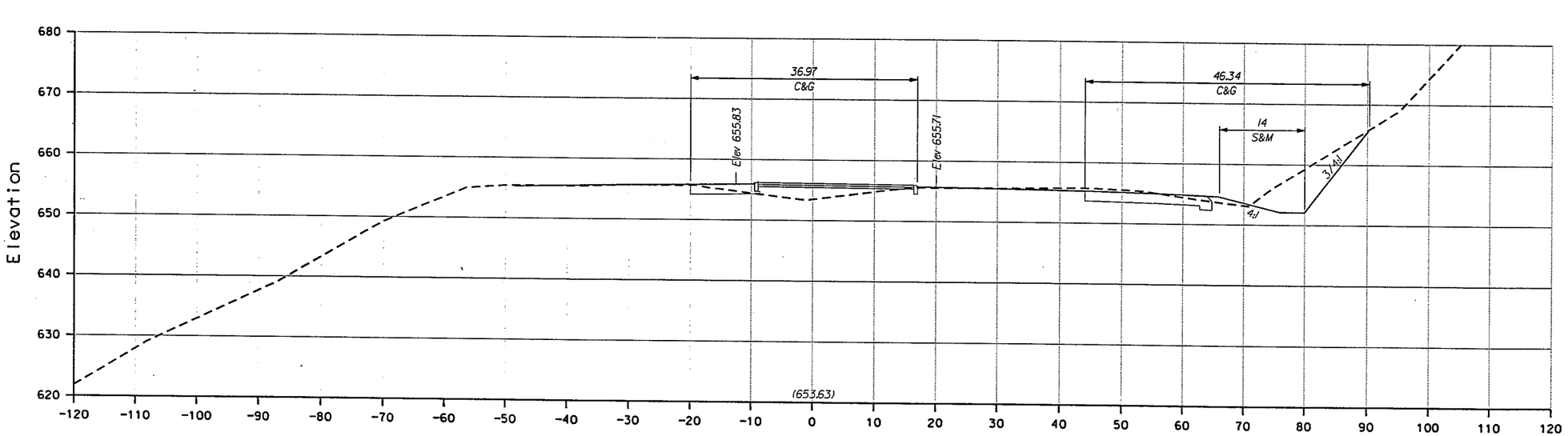
CROSS-SECTIONS

Sta. 264+00 to Sta. 264+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	241	265



265+50



265+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
265+00.		14		83.31		116.31		25.4				34.44		0.0			
	50		700.0		4157.8		195.5		46.6				69.7		0.0		
265+50.		14		83		94.88		24.9				40.8		0.0			
	50		700.0		4216.8		176.8		45.3				70.8		0.0		

SCALES

10 ft.

0 10 ft. 0

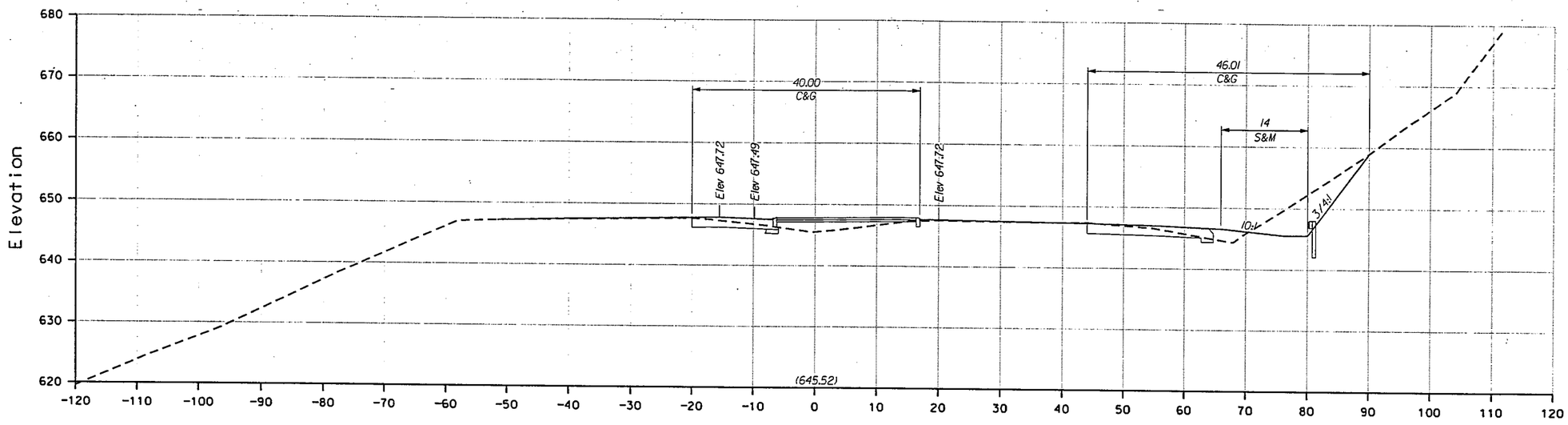
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

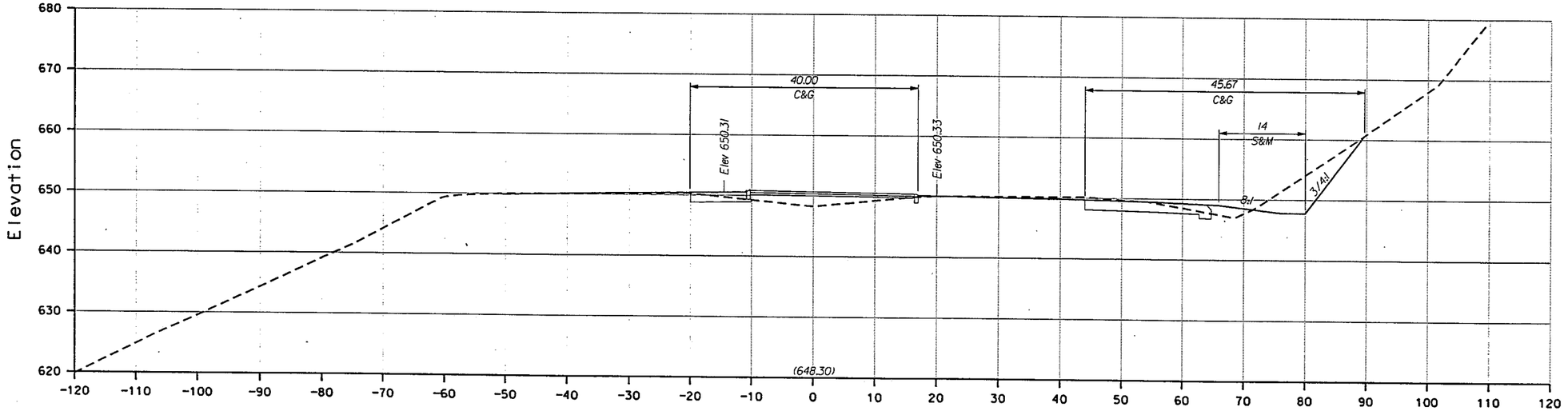
CROSS-SECTIONS

Sta. 265+00 to Sta. 265+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	242	265



266+50



266+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
266+00.		14		85.67		96.04		24.0				35.67		0.0			
	50		700.0		4292.0		183.7		47.4				60.2		0.		
266+50.		14		86.01		102.37		27.2				29.35		0.0			
	50		700.0		4588.5		347.7		74.2				44.5		0.		

SCALES
10 ft.
0 10 ft. 0

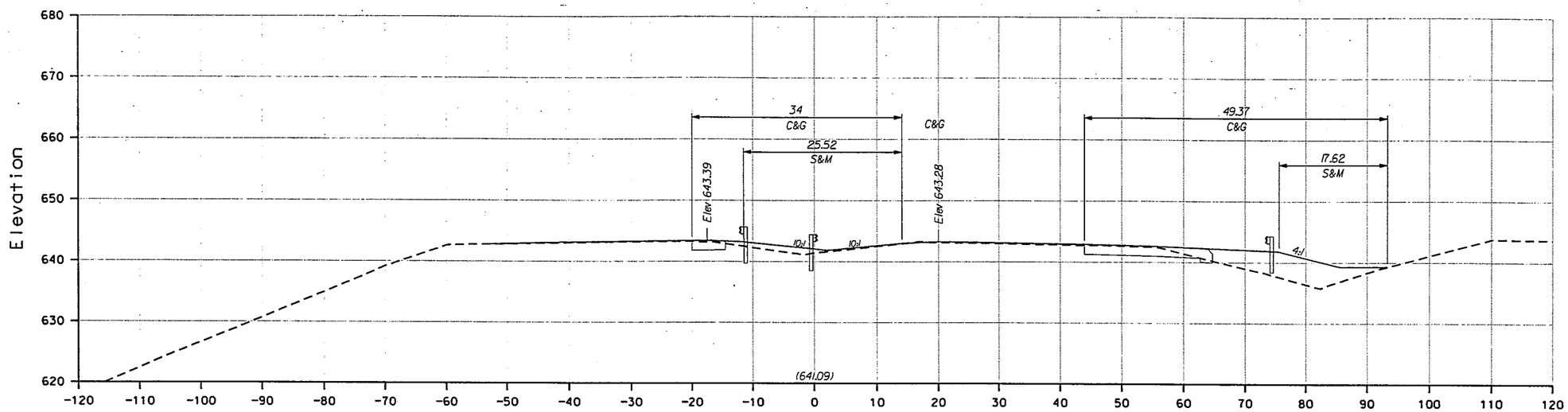
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

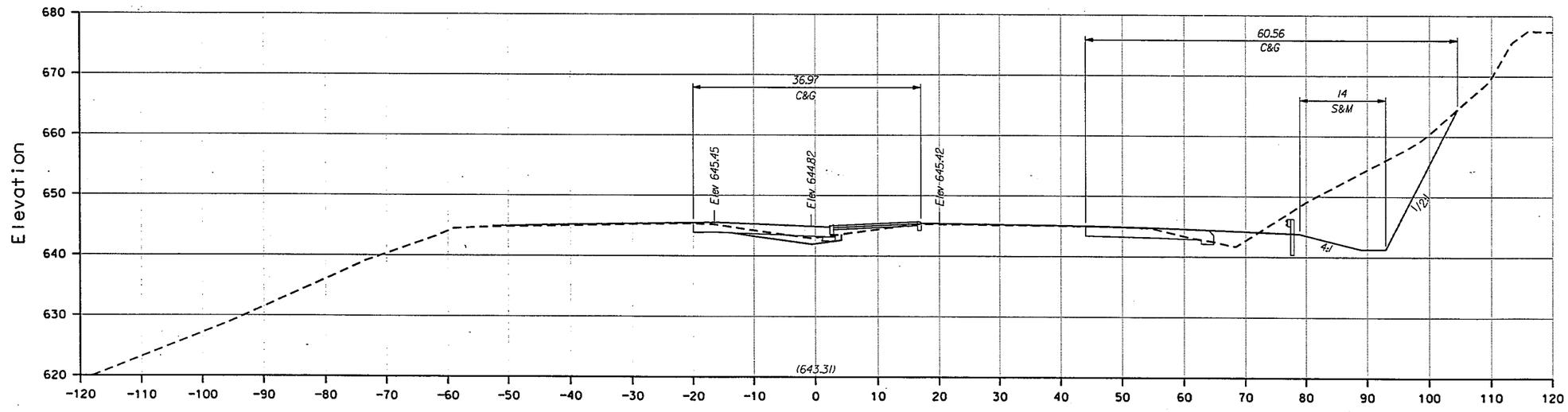
CROSS-SECTIONS

Sta. 266+00 to Sta. 266+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	243	265



267+50



267+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
267+00.		14		97.53		273.15		53.0				18.72		0.0			
	50		1428.5		4522.5		281.9		61.2				107.8		0.0		
267+50.		43.14		83.37		31.27		13.1				97.74		0.0			
	50		2073.5		3973.8		101.9		33.5				158.5		37.0		

SCALES
10 ft.
0 10 ft. 0

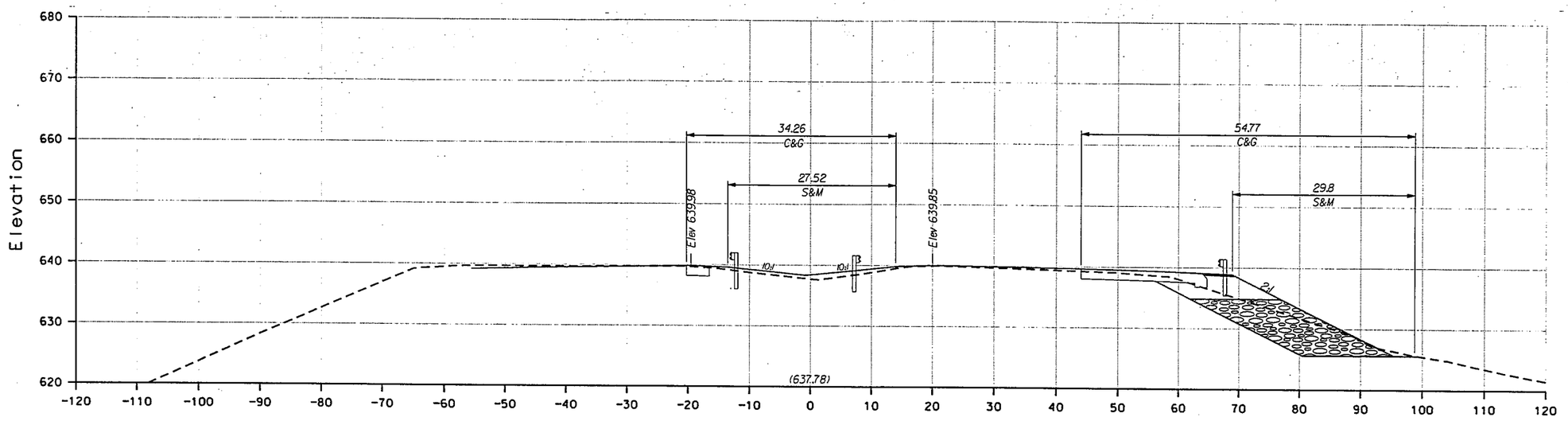
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

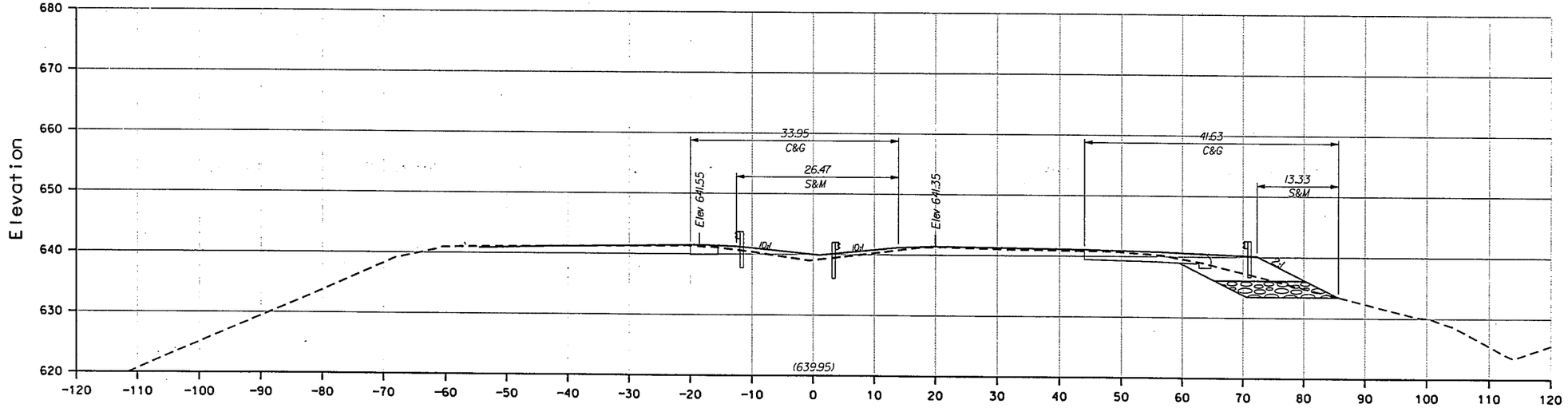
CROSS-SECTIONS

Sta. 267+00 to Sta. 267+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	244	265



268+50



268+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
268+00.		39.8		75.58		78.76		23.1				73.47		40.0			
	50		2428.0		3115.3		219.9		48.4				110.5		163.6		
268+50.		57.32		89.03		158.7		29.3				45.91		136.7			
	50		3129.8		4789.8		439.4		67.9				113.1		328.7		

SCALES
10 ft.
0 10 ft. 0

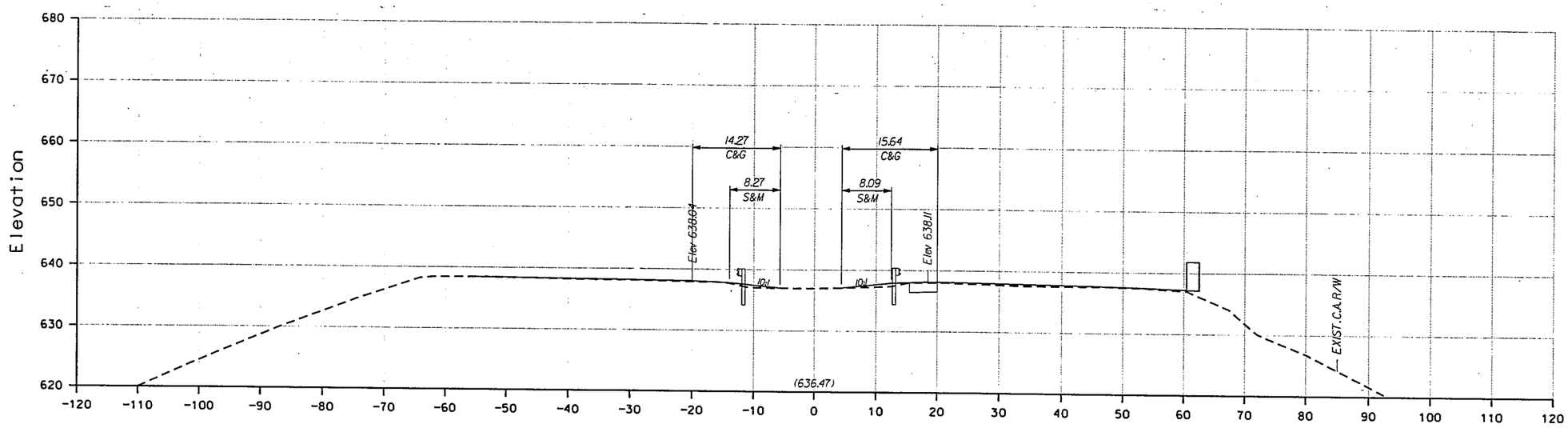
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

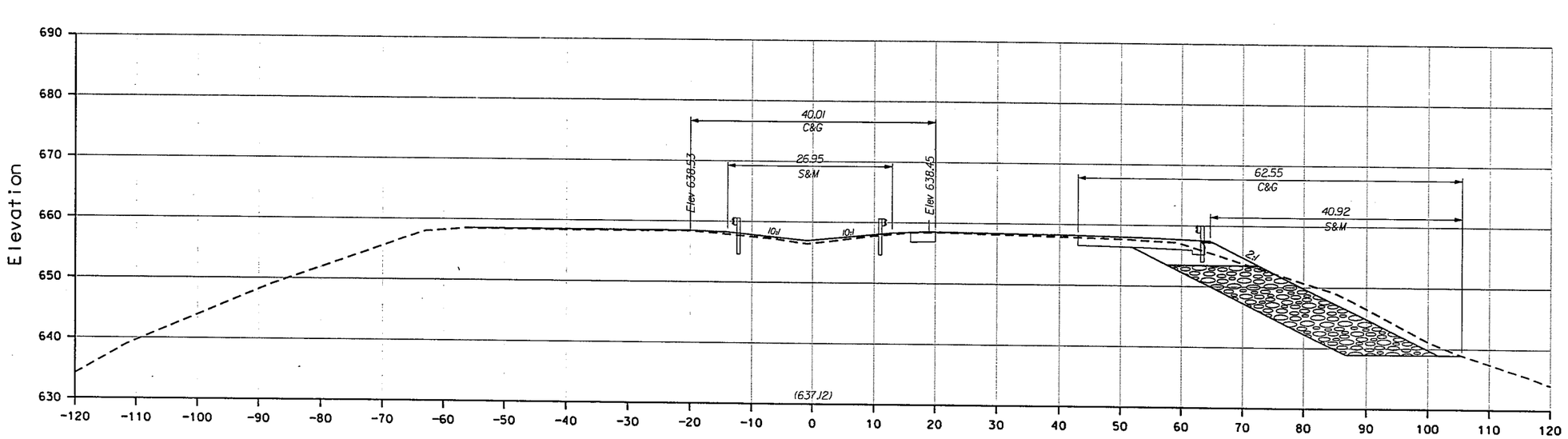
CROSS-SECTIONS

Sta. 268+00 to Sta. 268+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	245	265



269+50



269+00

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
269+00.		67.87		102.56		315.9		33.3				76.23		218.3			
	50		2105.8		3293.8		299.0		32.9				75.3		206.3		
269+50.		16.36		29.19		6.97		2.3				5.13		4.6			
	50		409.0		729.8		6.5		2.1				4.8		4.2		

SCALES

10 ft. 0 0 10 ft.

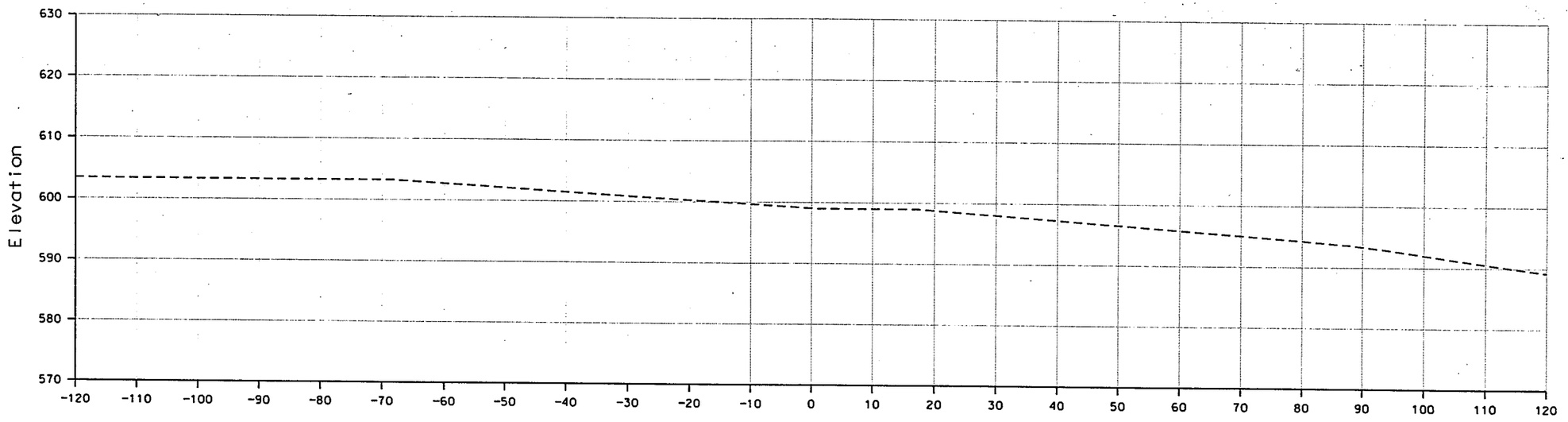
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

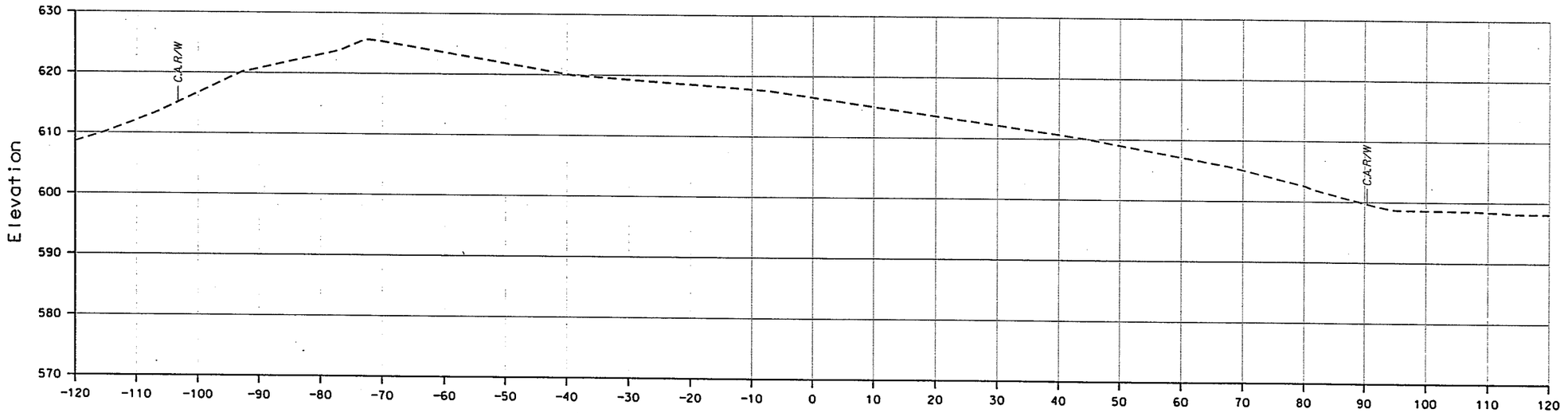
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

Sta. 269+00 to Sta. 269+50

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	246	265





STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
270+00.		0		0		0		0.0									

SCALES
10 ft.
0 10 ft. 0

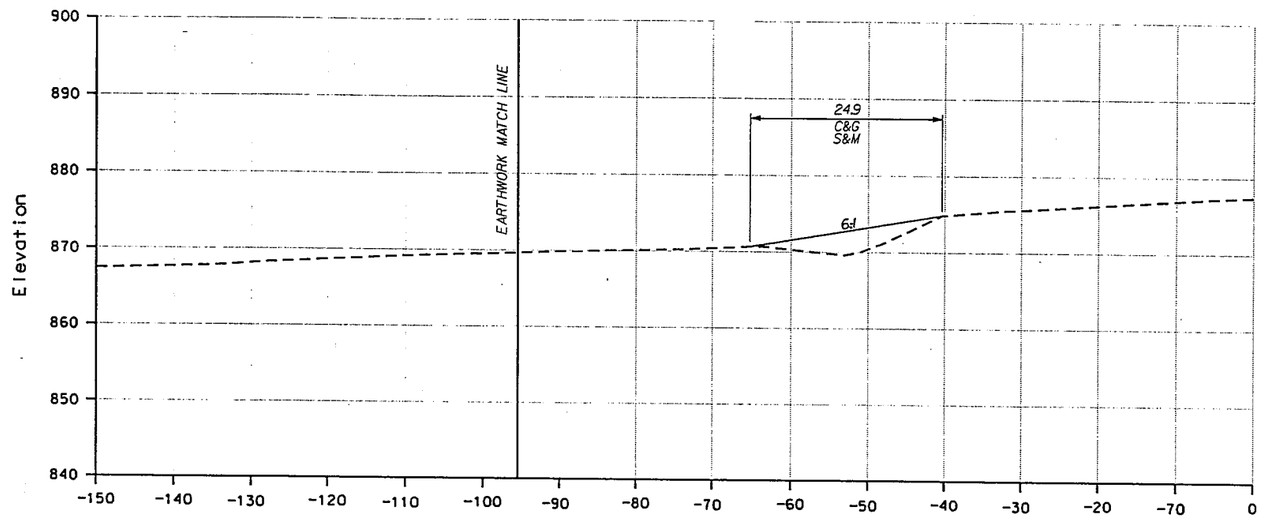
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

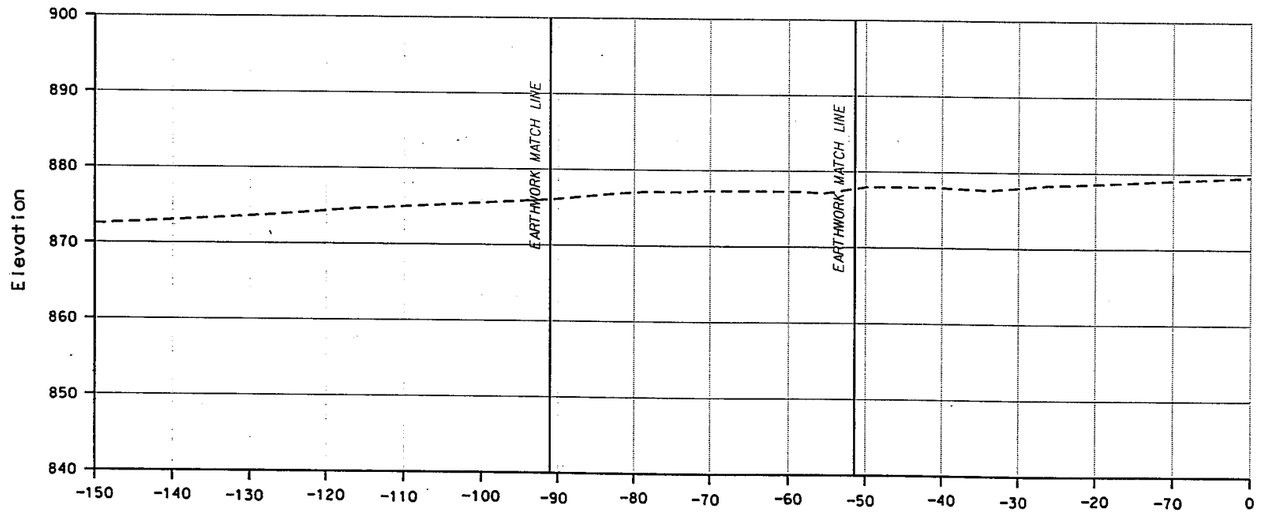
CROSS-SECTIONS

Sta. 270+00 to Sta. 270+50.00

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	247	265



8+25



8+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
8+00		0		0		0.0		0.0				0.0		0.0			
	25		311.3		311.3		0.0		5.8				19.1		0.4		
8+25.		24.9		24.9		0		12.5				41.2		0.0			
	25		999.0		999.0		0.0		18.5				94.7		0.0		

SCALES
10 ft.
0 10 ft. 0

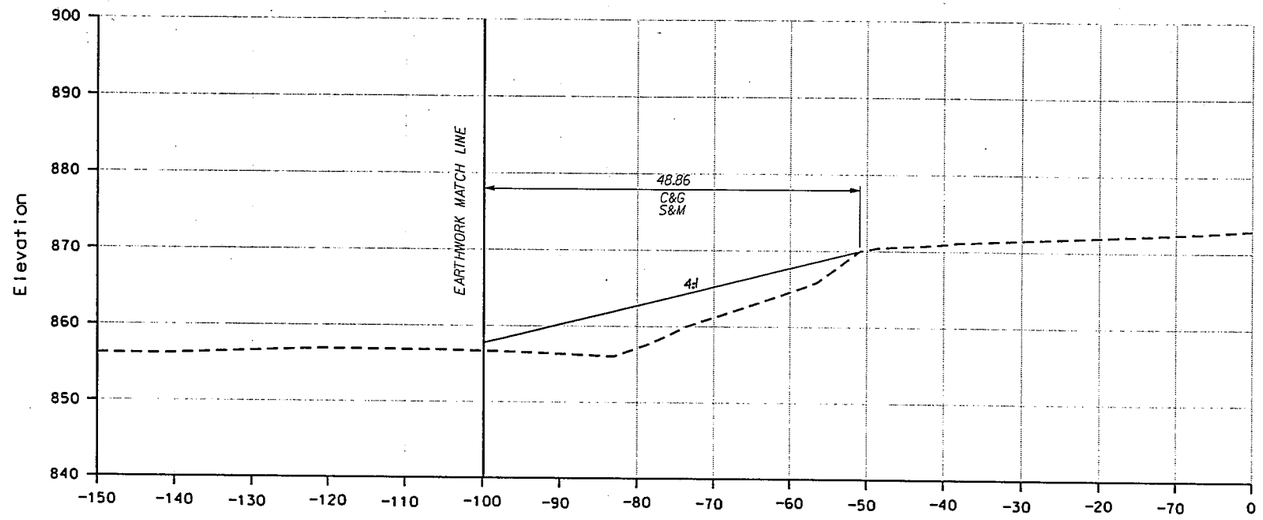
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

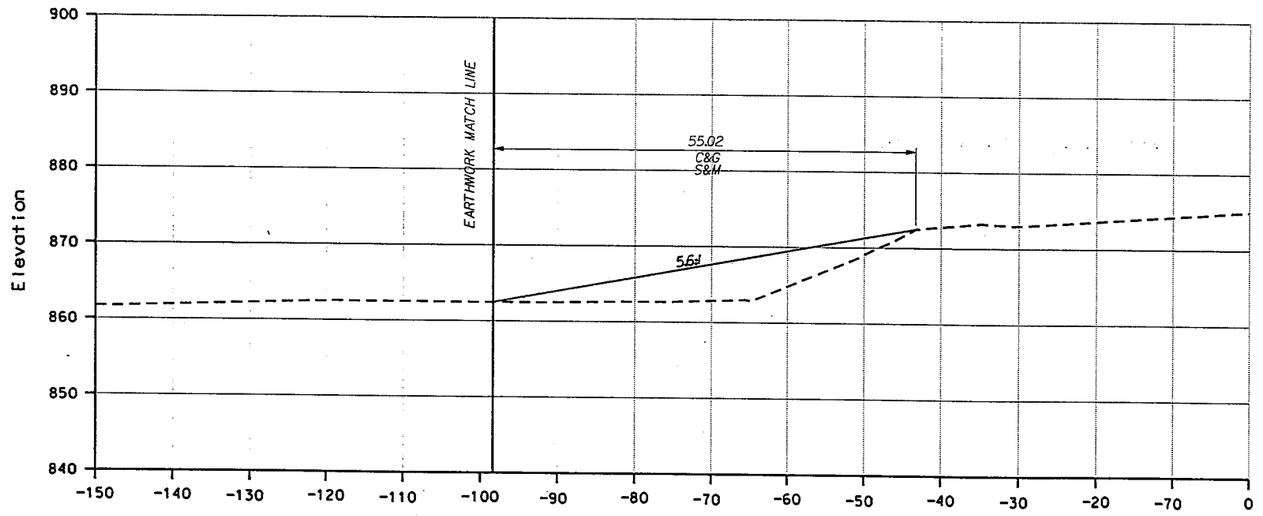
CROSS-SECTIONS

CONN. NO. 7- LEFT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	248	265



8+75



8+50

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
8+50.		55.02		55.02		0		27.5				163.4		0.0			
	25		1224.4		1224.4		0.0		24.0				125.9		0.0		
8+75.		48.86		48.86		0		24.4				176.1		0.0			
	25		1147.4		1147.4		0.0		21.2				81.5		0.0		

SCALES

10 ft.

0 10 ft.

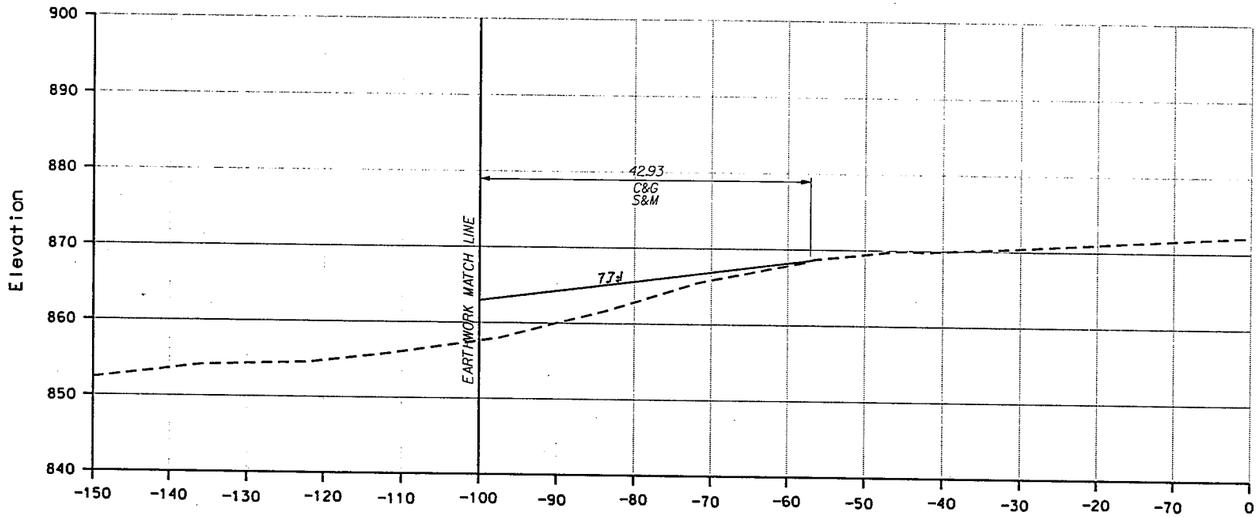
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

CONN. NO. 7- LEFT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	249	265



STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
9+00.		42.93		42.93		0		21.5				108.5		0.0			

SCALES
0 10 ft.
10 ft. 0

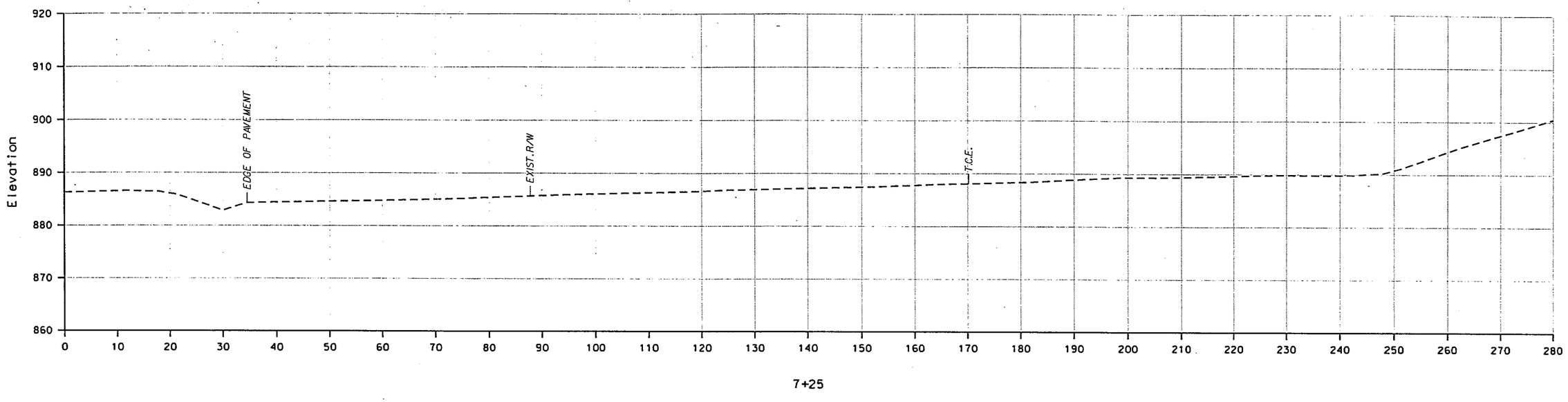
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

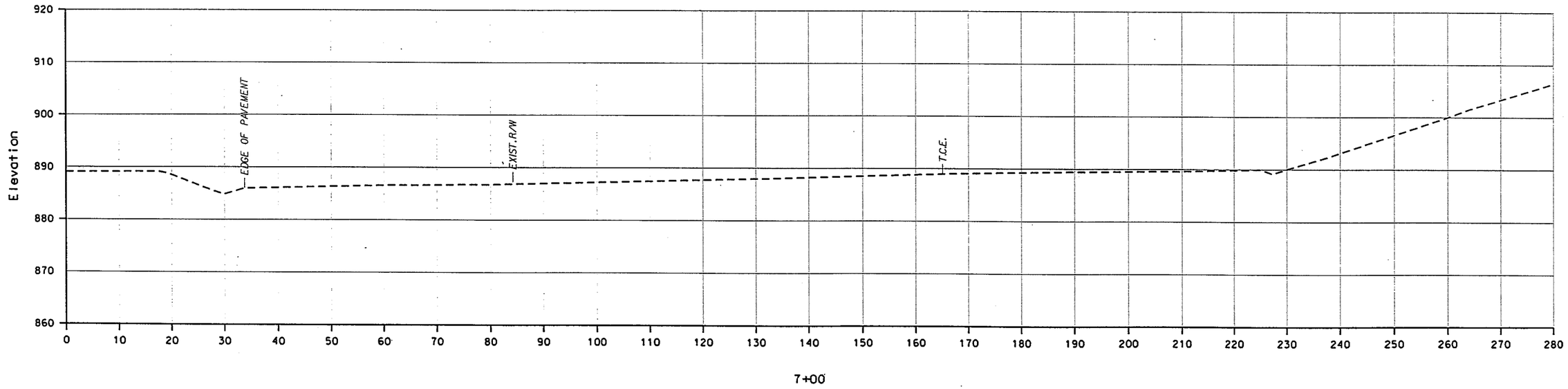
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

CONN. NO. 7- LEFT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	250	265





STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
7+00.		0		0		0		0.0				0.0		0.0			
	25		0.0		0.0		0.0		0.0				0.0		0.0		
7+25.		0		0		0		0.0				0.0		0.0			
	25		806.4		806.4		0.0		14.9				40.0		0.0		

SCALES
10 ft.
0 10 ft. 0

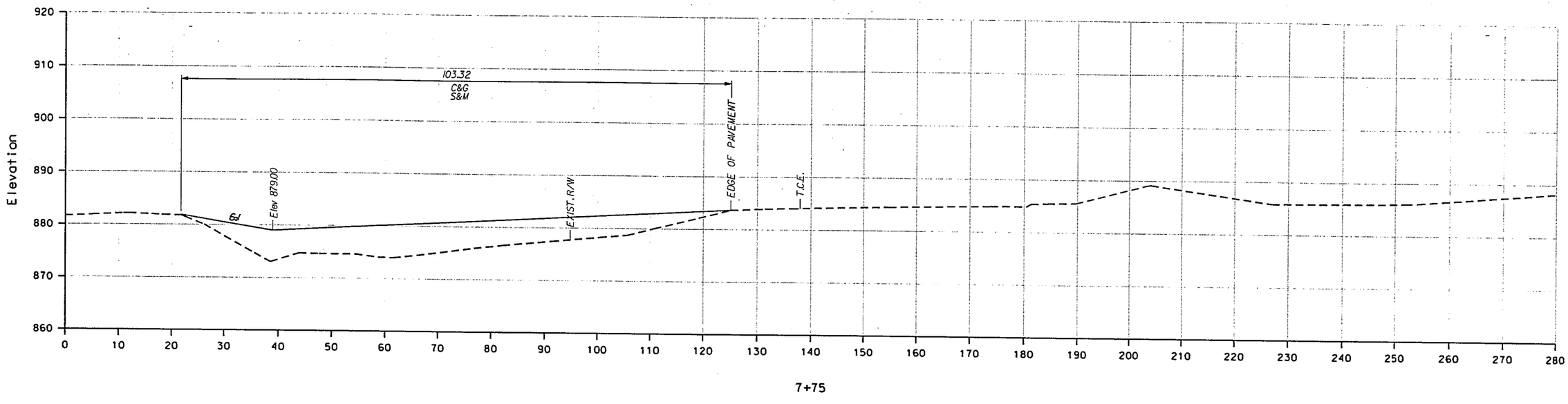
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

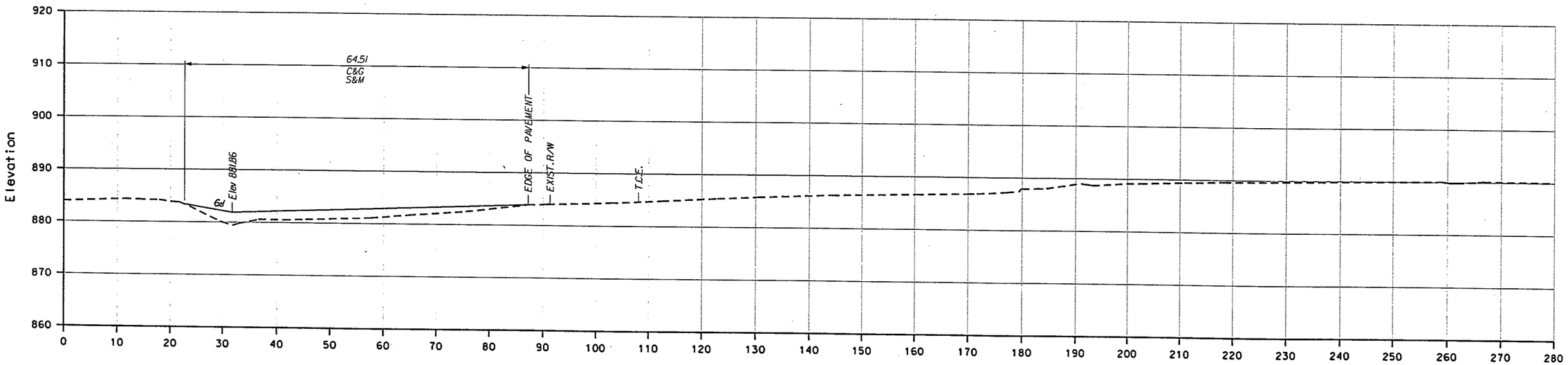
CROSS-SECTIONS

CONN. NO. 7- RIGHT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -115- 11.70 00		2001	KANAWHA	251	265



7+75



7+50

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
7+50.		64.51		64.51		0		32.3				86.4		0.0			
	25		2357.8		2357.8		0.0		38.8				408.1		0.0		
7+75.		103.32		103.32		0		51.7				419.8		0.0			
	25		3292.1		3292.1		0.0		52.6				1024.6		0.0		

SCALES
10 ft.
0 10 ft. 0

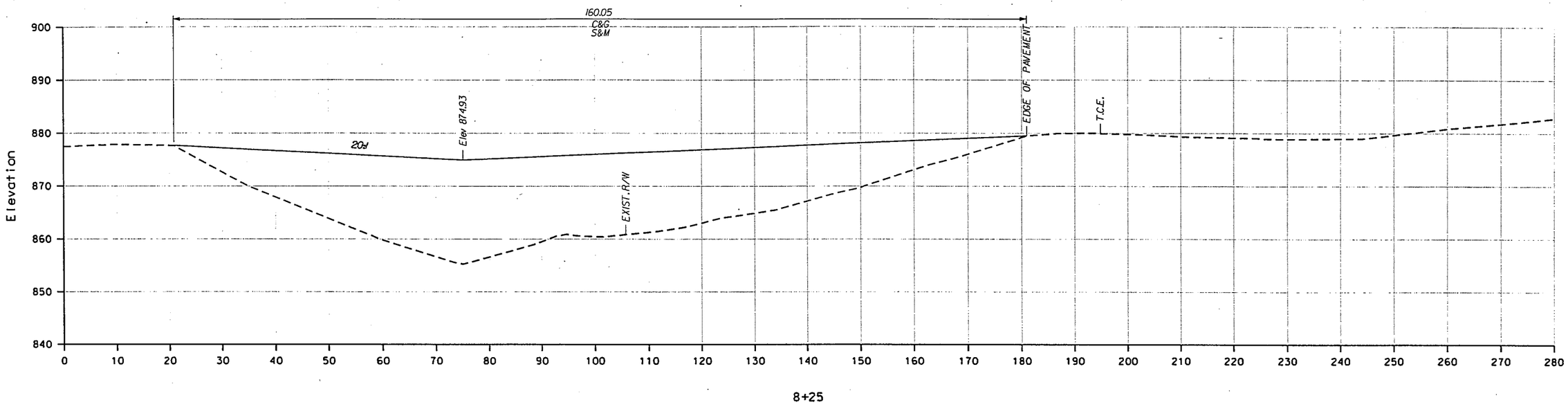
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

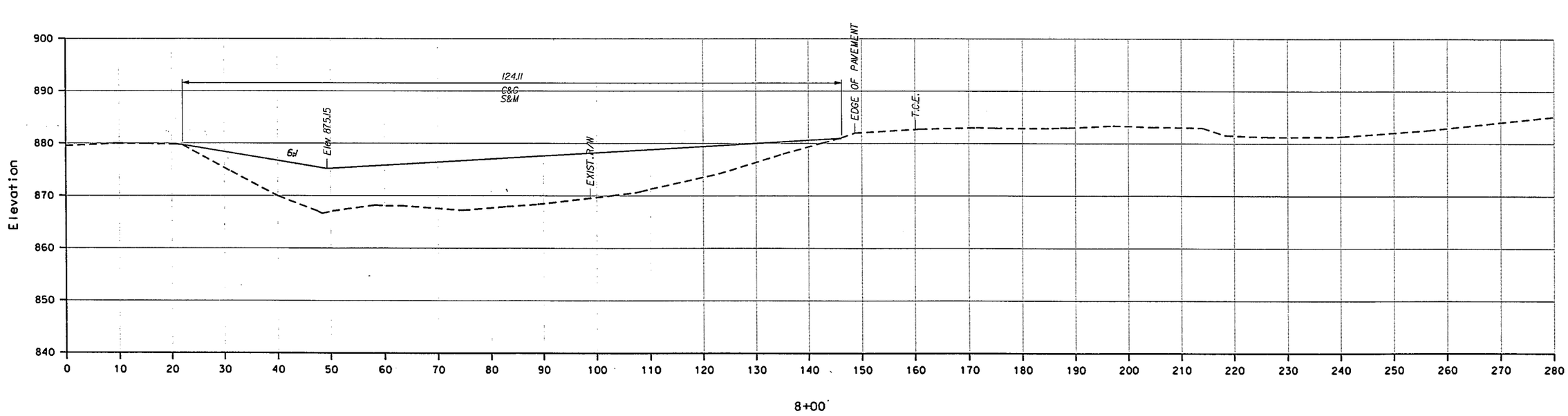
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CROSS-SECTIONS

CONN. NO. 7- RIGHT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	252	265





STATION	LENGTH	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		----------		UNCLASSIFIED		SELECT		----------	
	(FT)	(FT)	(SF)	(FT)	(SF)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)	(SF)	(CY)
8+00.		124.11		124.11		0		62.1				795.2		0.0			
	25		3552.0		3552.0		0.0		65.8				1198.4		0.0		
8+25.		160.05		160.05		0		80.0				1793.		0.0			
	25		4763.1		4763.1		0.0		88.2				2166.8		0.0		

SCALES
10 ft.
0 10 ft. 0

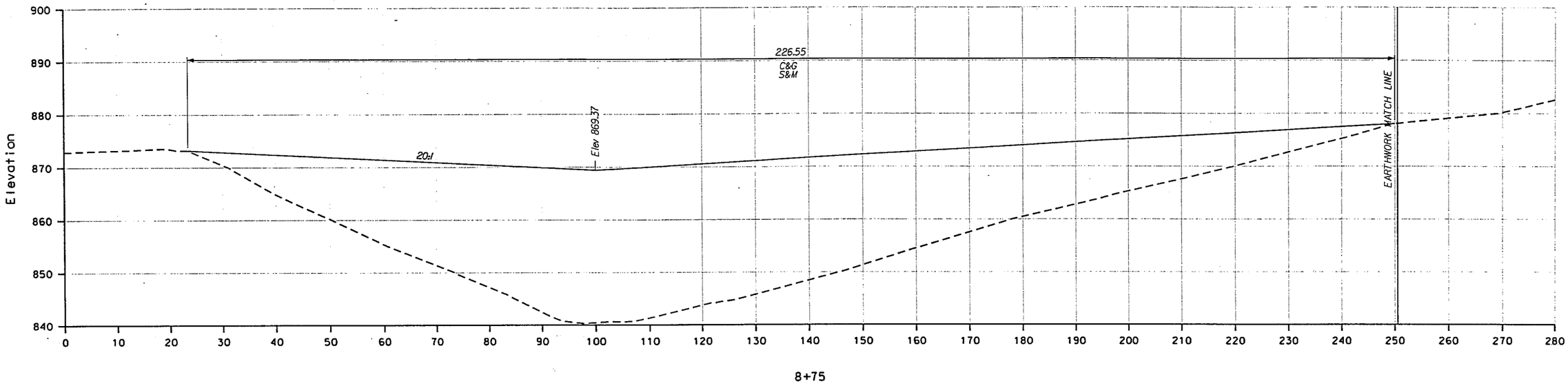
REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

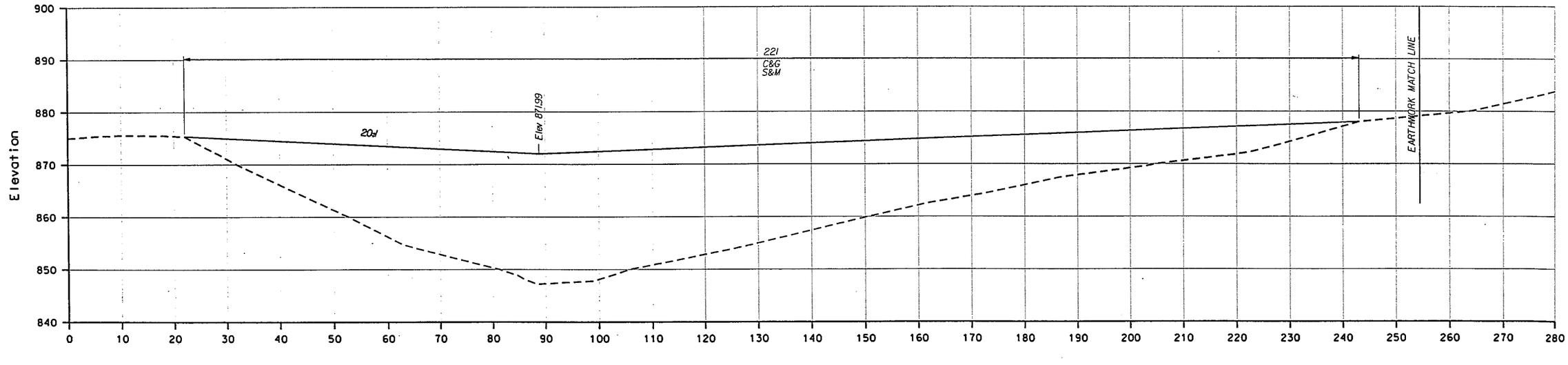
CROSS-SECTIONS

CONN. NO. 7- RIGHT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	COUNTY	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00	--	2001	KANAWHA	253	265



8+75



8+50

STATION	LENGTH (FT)	SEEDING & MULCHING WIDTH (FT)	SEEDING & MULCHING AREA (SF)	CLEARING & GRUBBING WIDTH (FT)	CLEARING & GRUBBING AREA (SF)	EXCAVATION UNCLASSIFIED (SF)	EXCAVATION UNCLASSIFIED (CY)	EXCAVATION UNSUITABLE (SF)	EXCAVATION UNSUITABLE (CY)	EXCAVATION ---------- (SF)	EXCAVATION ---------- (CY)	EMBANKMENT UNCLASSIFIED (SF)	EMBANKMENT UNCLASSIFIED (CY)	EMBANKMENT SELECT (SF)	EMBANKMENT SELECT (CY)	EMBANKMENT ---------- (SF)	EMBANKMENT ---------- (CY)
8+50.		221		221		0		10.5				2887.1		0.0			
	25		5594.4		5594.4		0.0		103.6				2965.5		0.0		
8+75.		226.55		226.55		0		113.3				3518.		0.0			
	25		5455.4		5455.4		0.0		101.0				2418.0		0.0		

SCALES
10 ft.
0 10 ft.

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

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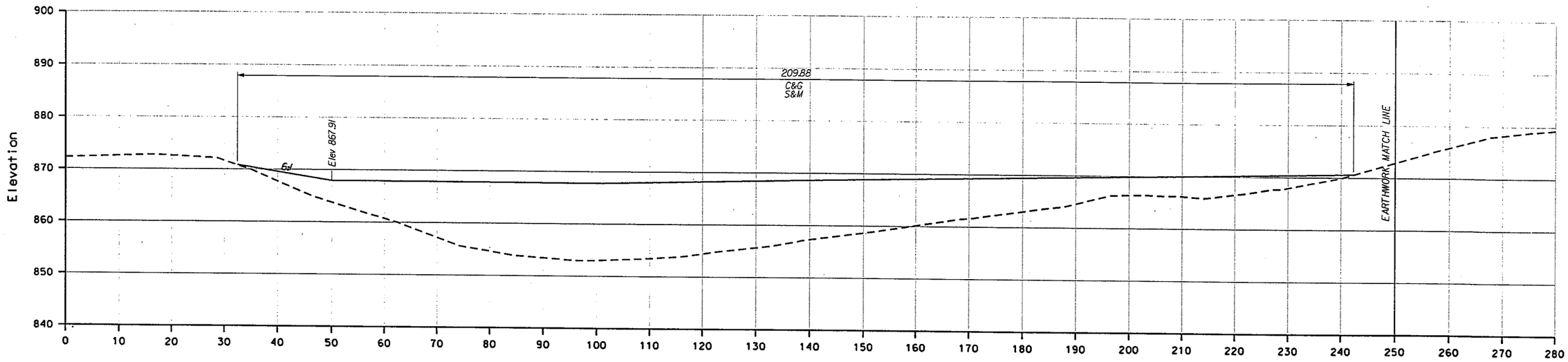
CROSS-SECTIONS

CONN. NO. 7- RIGHT

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
W.V.	01	U320 -119- 11.70 00		2001	KANAWHA	254	265



9+00

STATION	LENGTH (FT)	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION						EMBANKMENT					
		WIDTH (FT)	AREA (SF)	WIDTH (FT)	AREA (SF)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	UNSUITABLE (SF)	UNSUITABLE (CY)	---------- (SF)	---------- (CY)	UNCLASSIFIED (SF)	UNCLASSIFIED (CY)	SELECT (SF)	SELECT (CY)	---------- (SF)	---------- (CY)
9+00.		209.88		209.88		0		104.9				1704.		0.0			

SCALES

0 10 ft.

10 ft. 0

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

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CROSS-SECTIONS

CONN. NO. 7- RIGHT