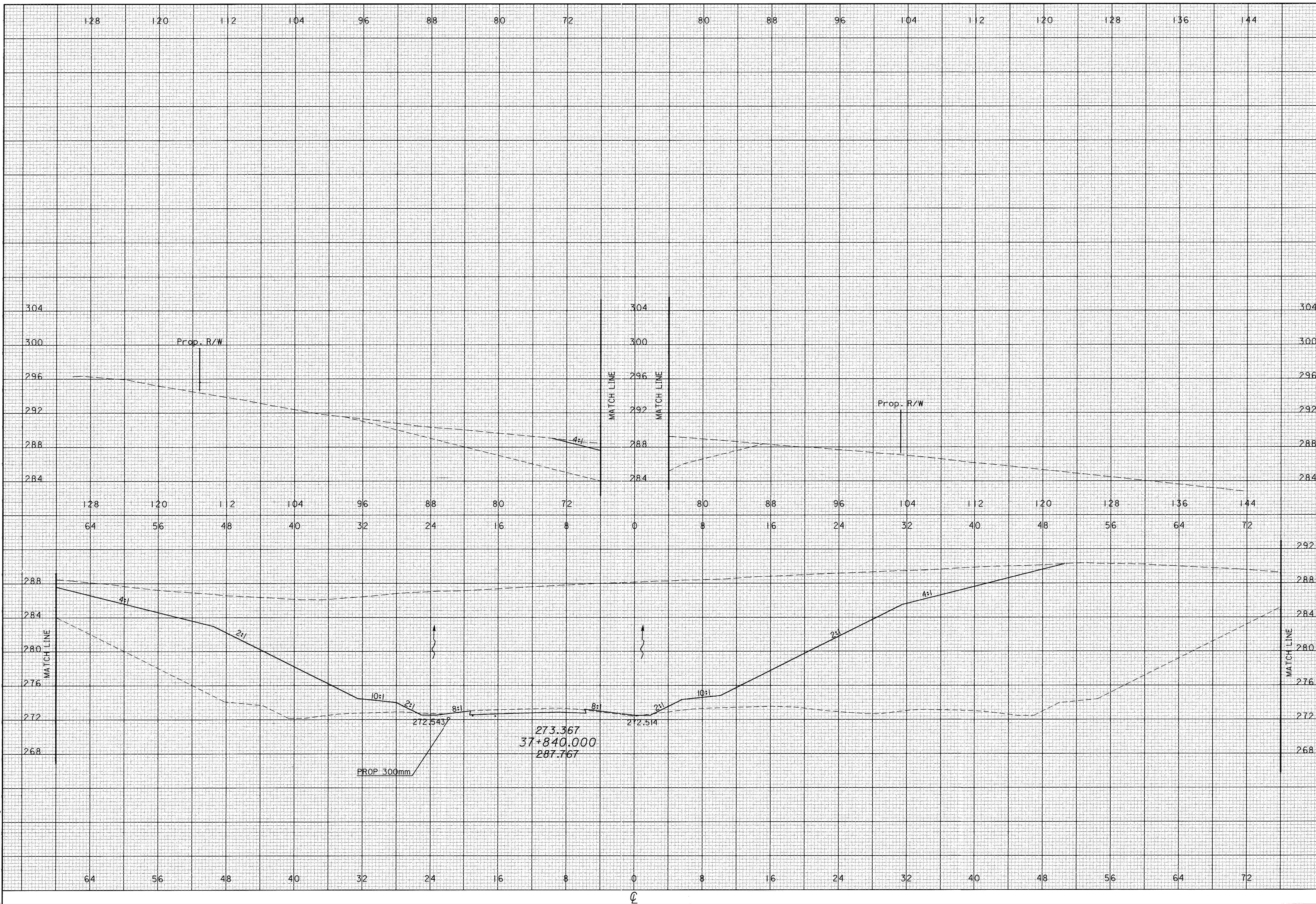


08 JAN 2001 09:35:52
c:\msd21\work\line\033\55_sht.dgn



CROSS SECTIONS
STA 37+840

ATH-33-30.981

500
956

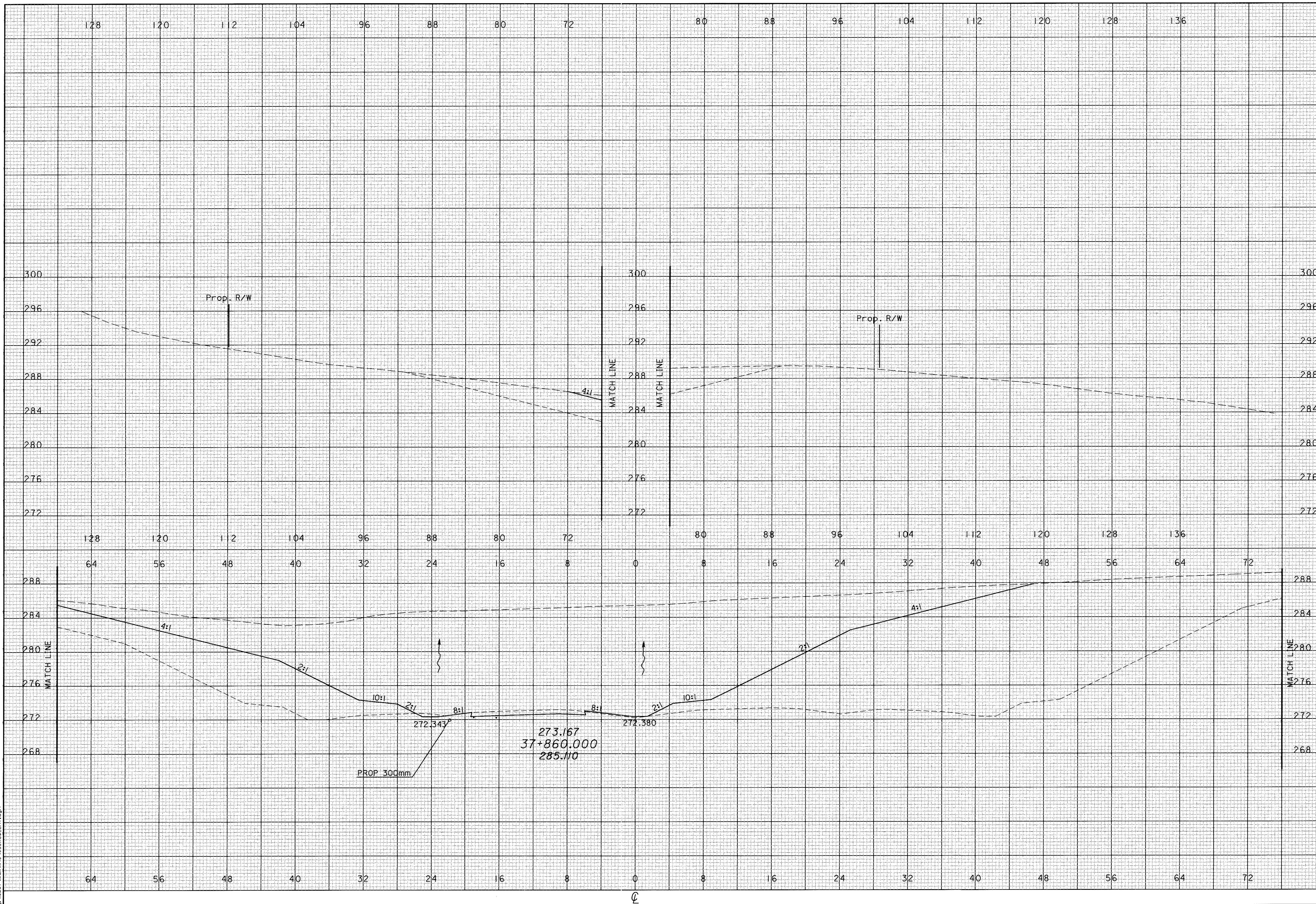
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PRS
CHECKED
TAL

CALCULATED
PRS
CHECKED
TAL

**CROSS SECTIONS
STA 37+860**

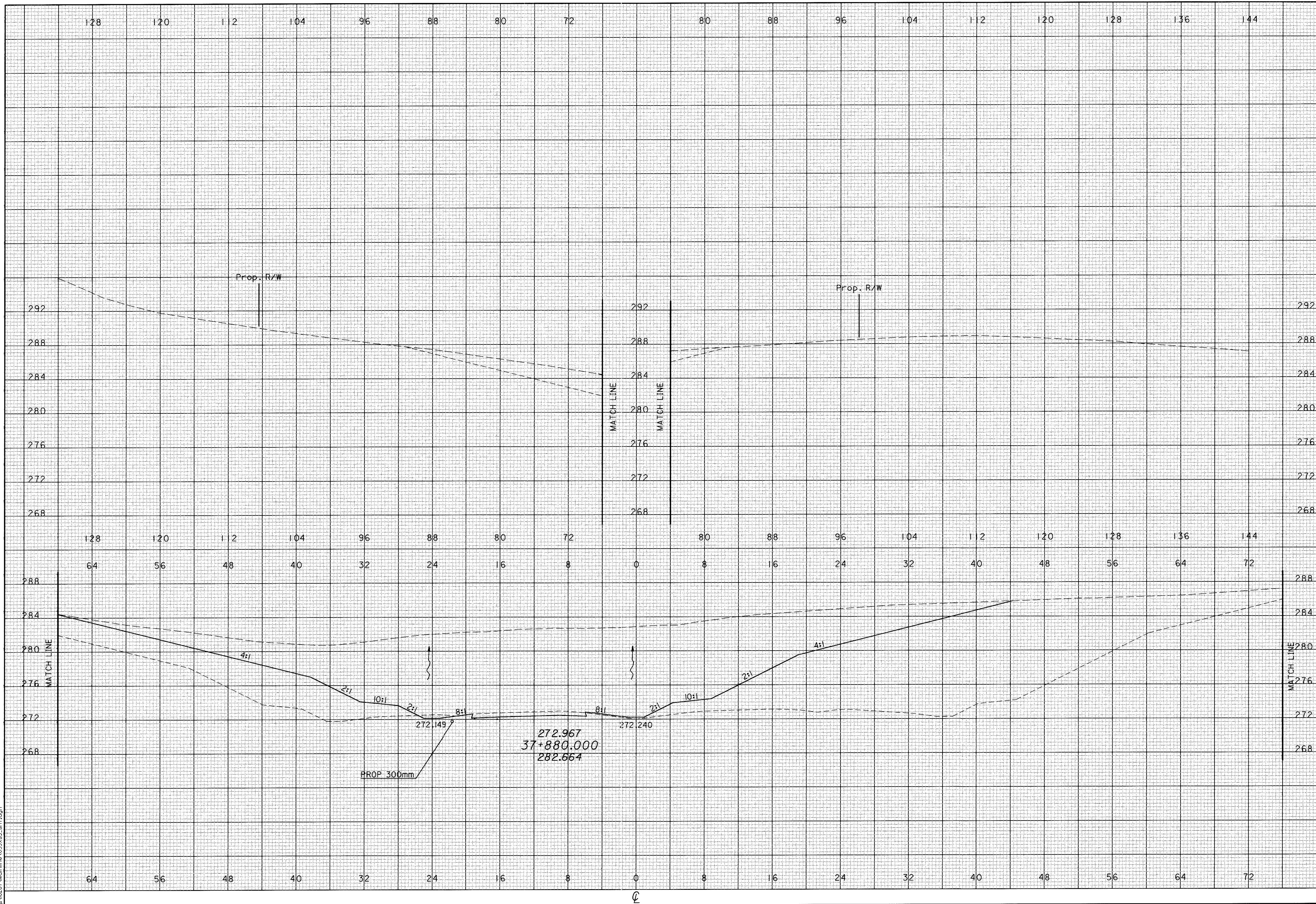
ATH-33-30.981

501
956



08 JAN 2001 08:35:52
ca-18281\Md\athline\033x55_sht.dgn

08 JAN 2001 08:35:52
cp:\8287\Molhline\033x55_sht.dgn



CALCULATED
PRS
CHECKED
TAL

**CROSS SECTIONS
STA 37+880**

ATH-33-30.981

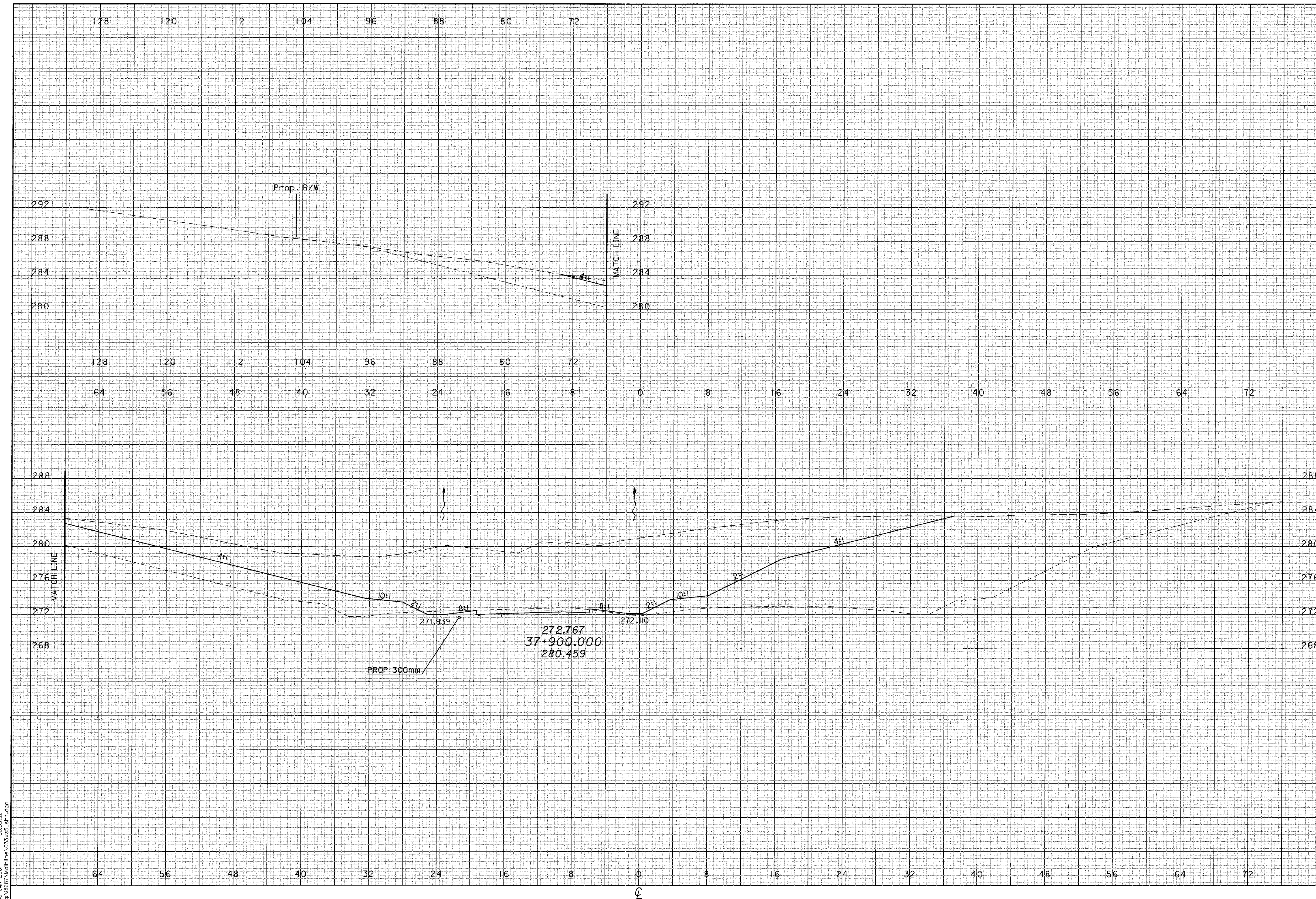
502
956

CALCULATED
 PRS
 CHECKED
 TAL

**CROSS SECTIONS
 STA 37+900**

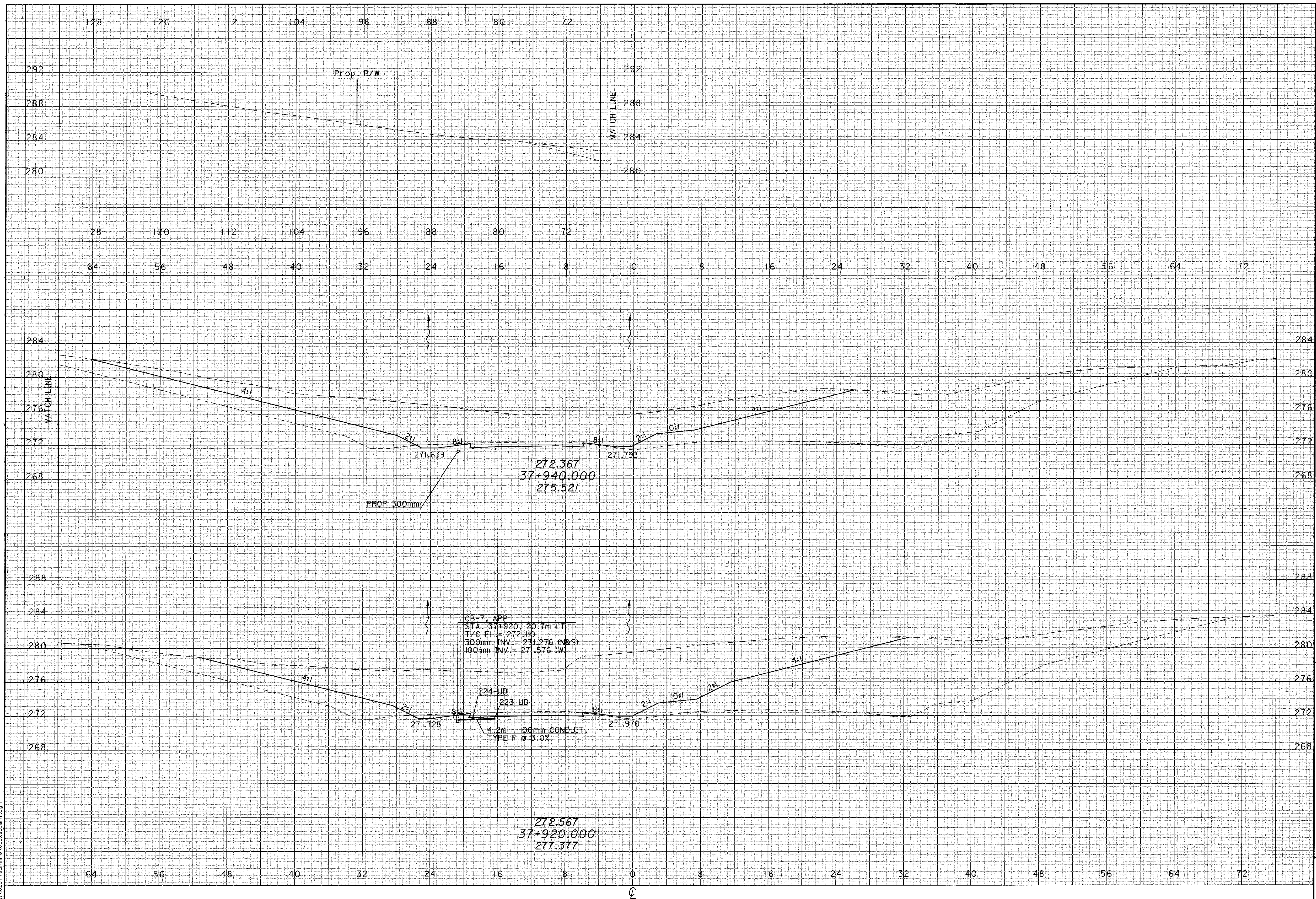
ATH-33-30.981

503
 956



08 JAN 2001 09:35:52
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08 JAN 2001 08:35:52
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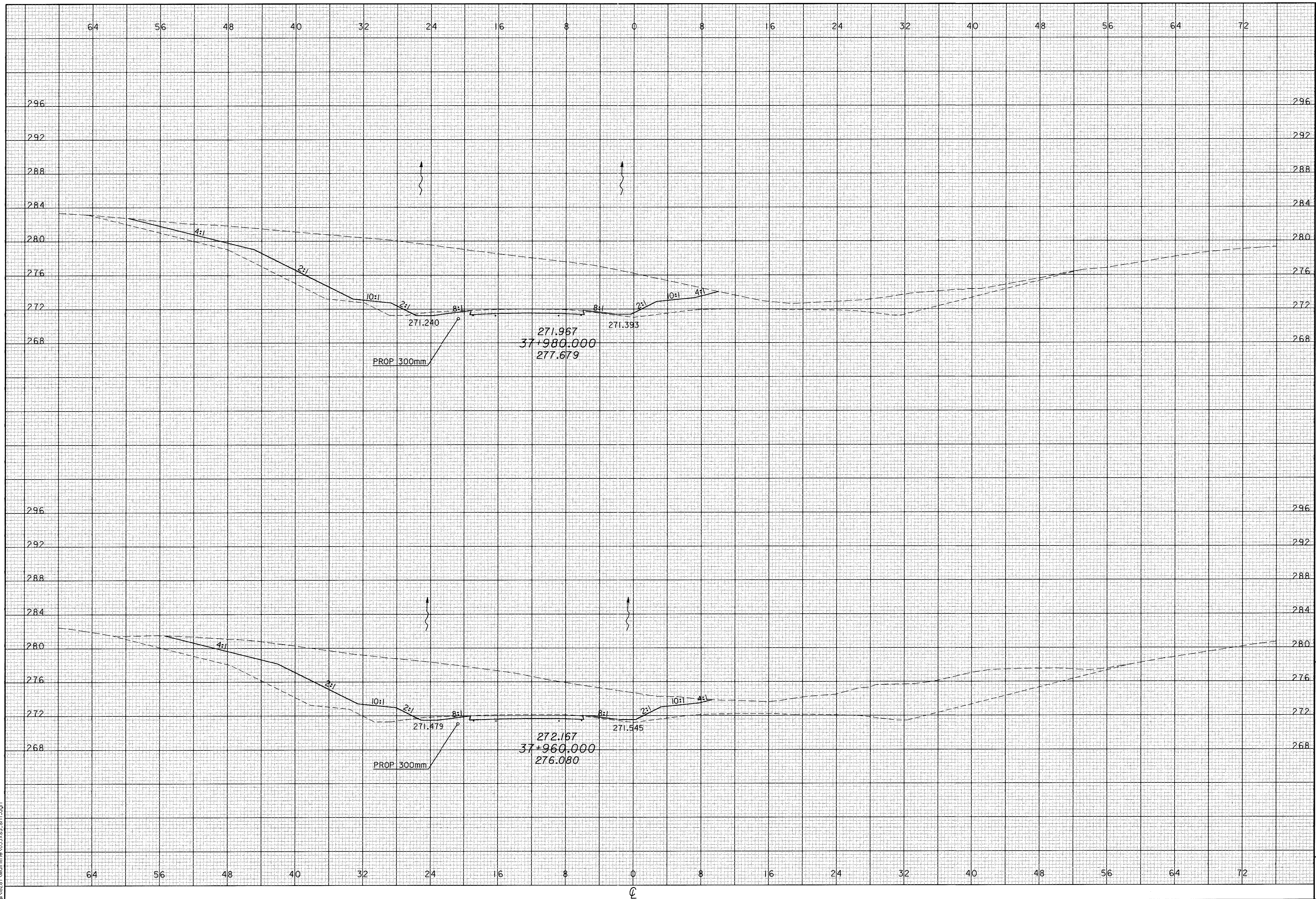
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 37+920 TO STA 37+940

ATH-33-30.981

504
956

08 JAN 2001 08:35:52
qa:\8287\Malline\033\55_sht.dgn



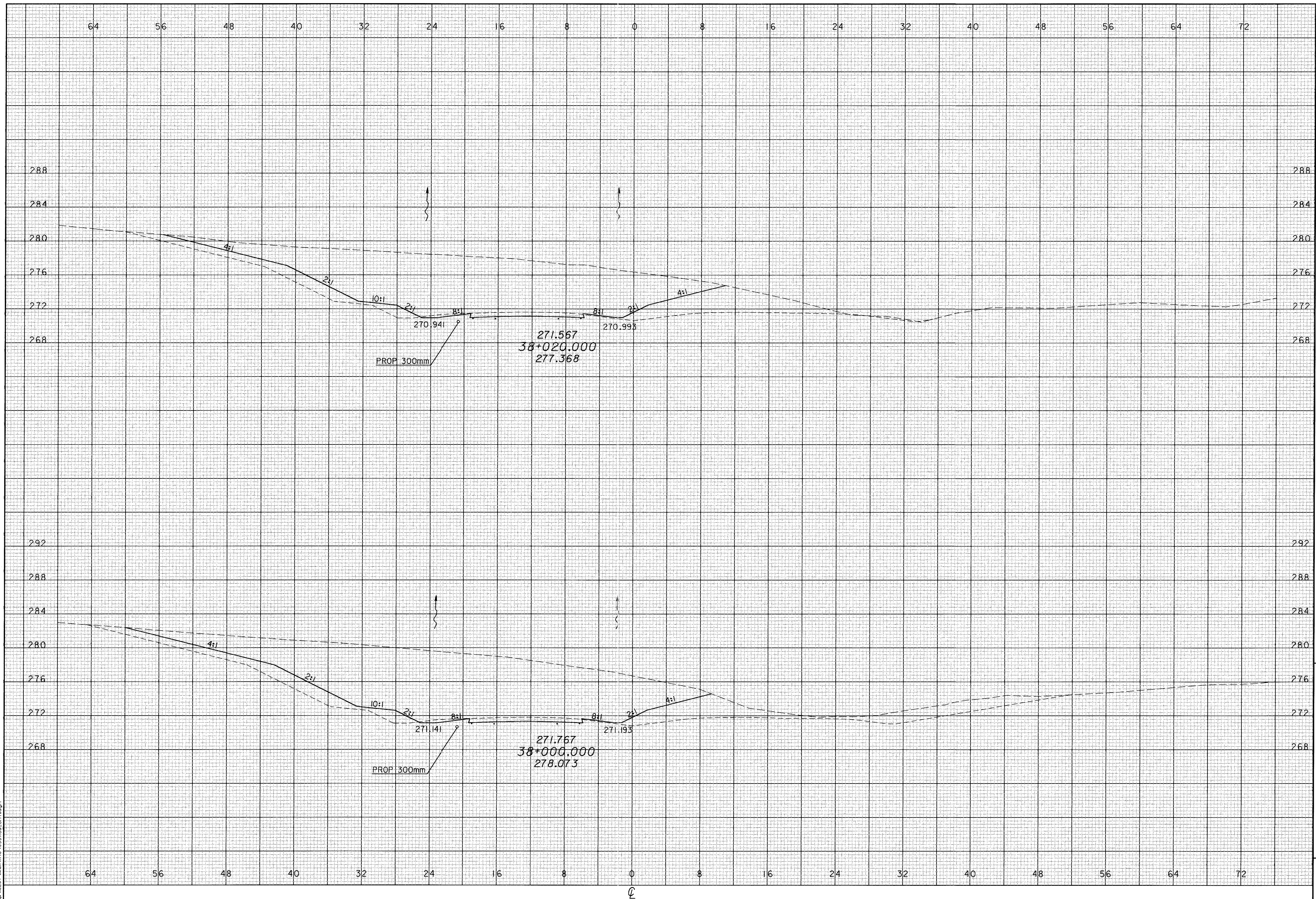
CALCULATED
PRS
CHECKED
TAL

**CROSS SECTIONS
STA 37+960 TO STA 37+980**

ATH-33-30.981

505
956

08 JAN 2001 09:35:53
c:\18287\Mainline\033x55.sh1.dgn



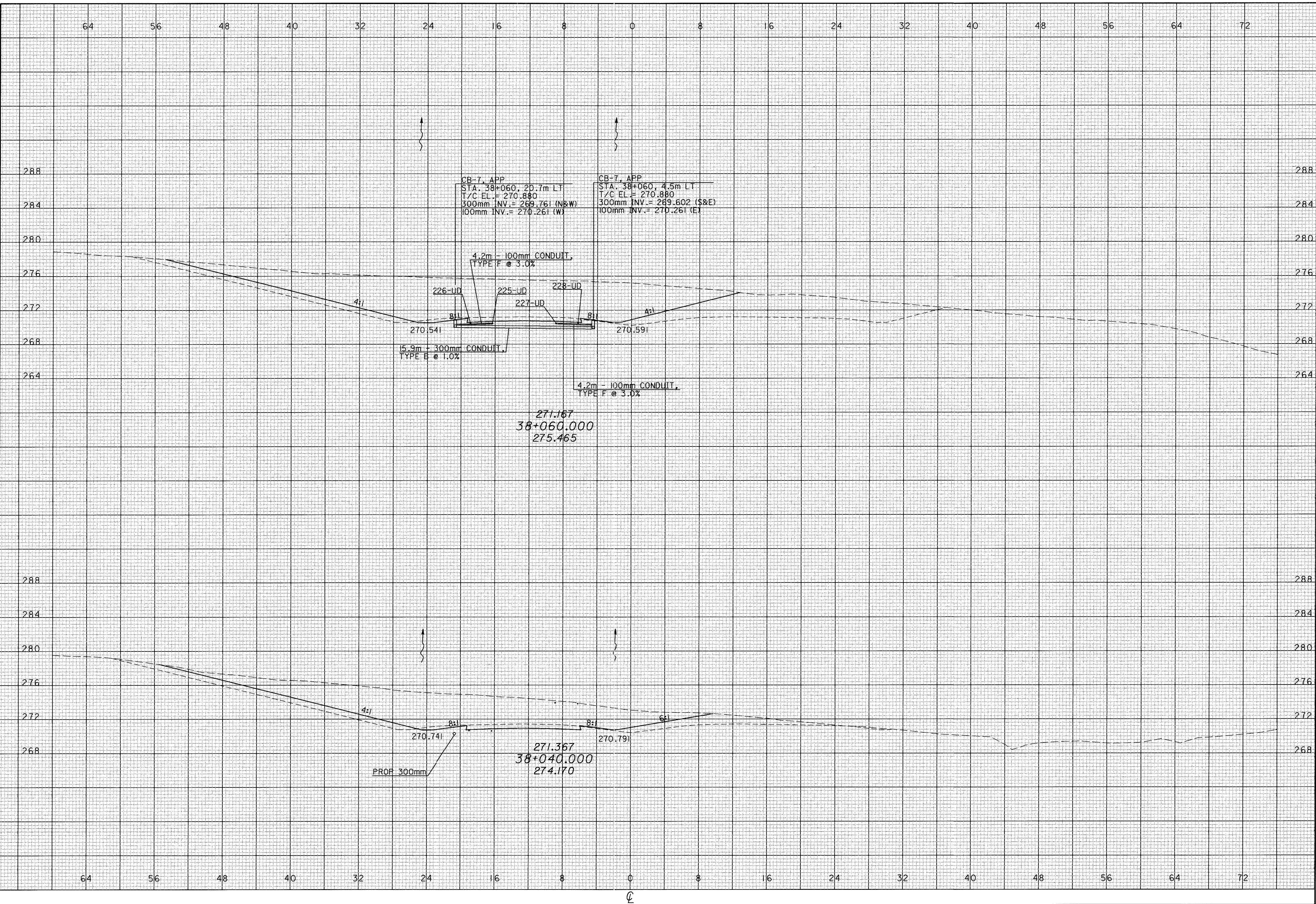
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+000 TO STA 38+020

ATH-33-30.981

506
956

08 JAN 2001 09:35:53
ca:\B287\Md\p\line\033x55_sht.dgn



CB-7, APP
STA. 38+060, 20.7m LT
T/C EL. = 270.880
300mm INV. = 269.761 (N&W)
100mm INV. = 270.261 (W)

CB-7, APP
STA. 38+060, 4.5m LT
T/C EL. = 270.880
300mm INV. = 269.602 (S&E)
100mm INV. = 270.261 (E)

4.2m - 100mm CONDUIT,
TYPE F @ 3.0%

15.9m - 300mm CONDUIT,
TYPE B @ 1.0%

4.2m - 100mm CONDUIT,
TYPE F @ 3.0%

271.167
38+060.000
275.465

PROP 300mm

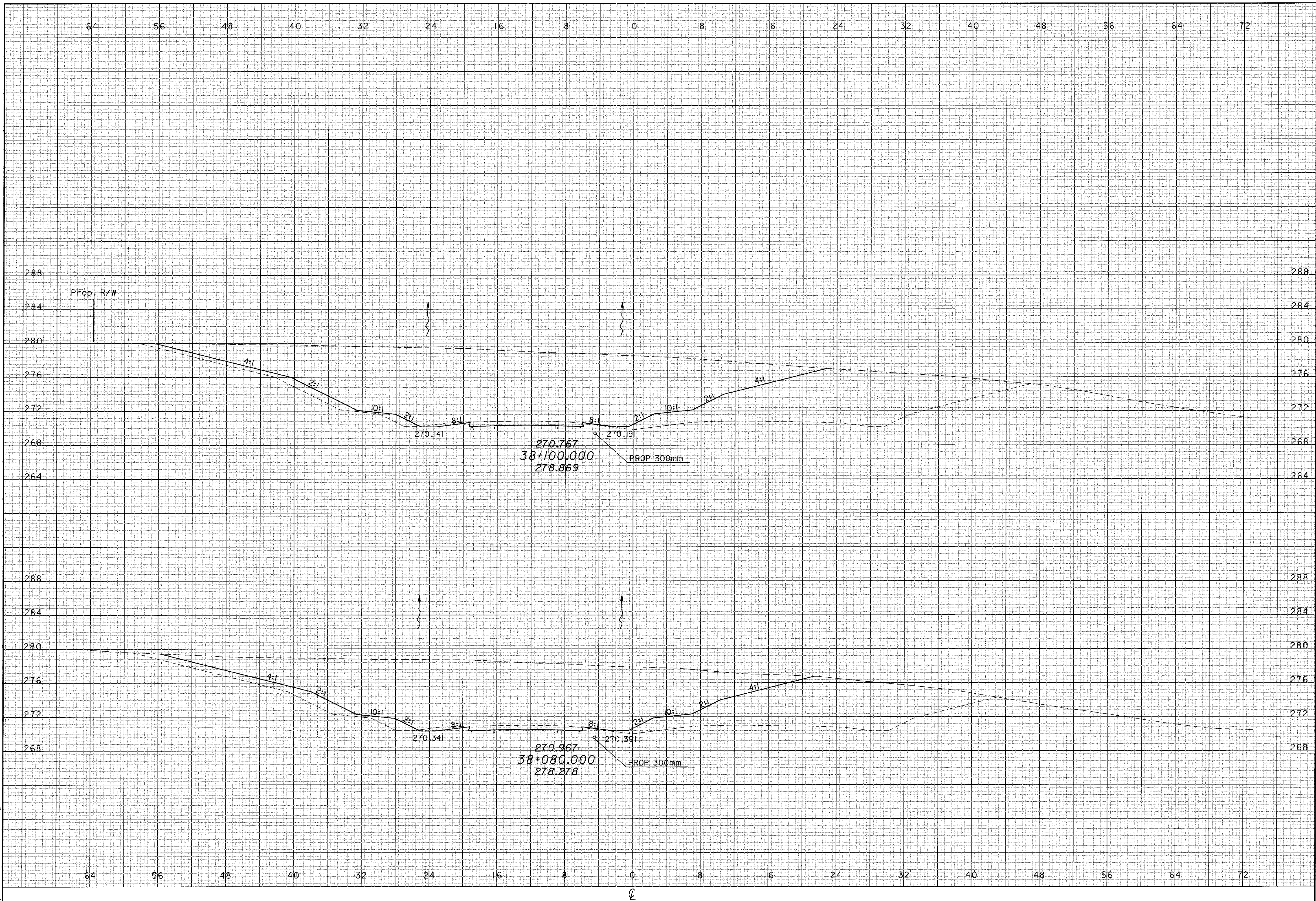
271.367
38+040.000
274.170

CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+040 TO STA 38+060

ATH-33-30.981

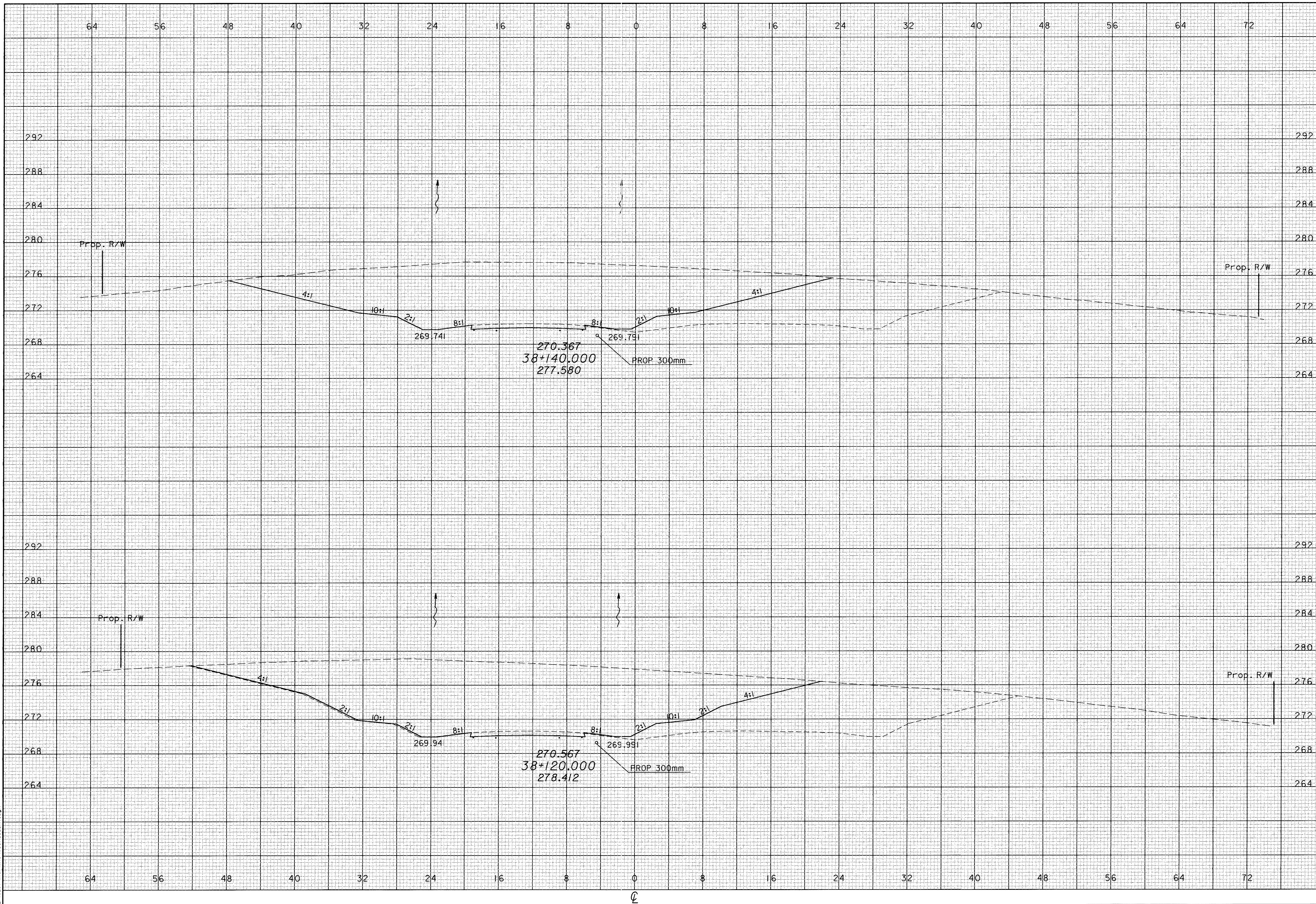
507
956



CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+080 TO STA 38+100

ATH-33-30.981

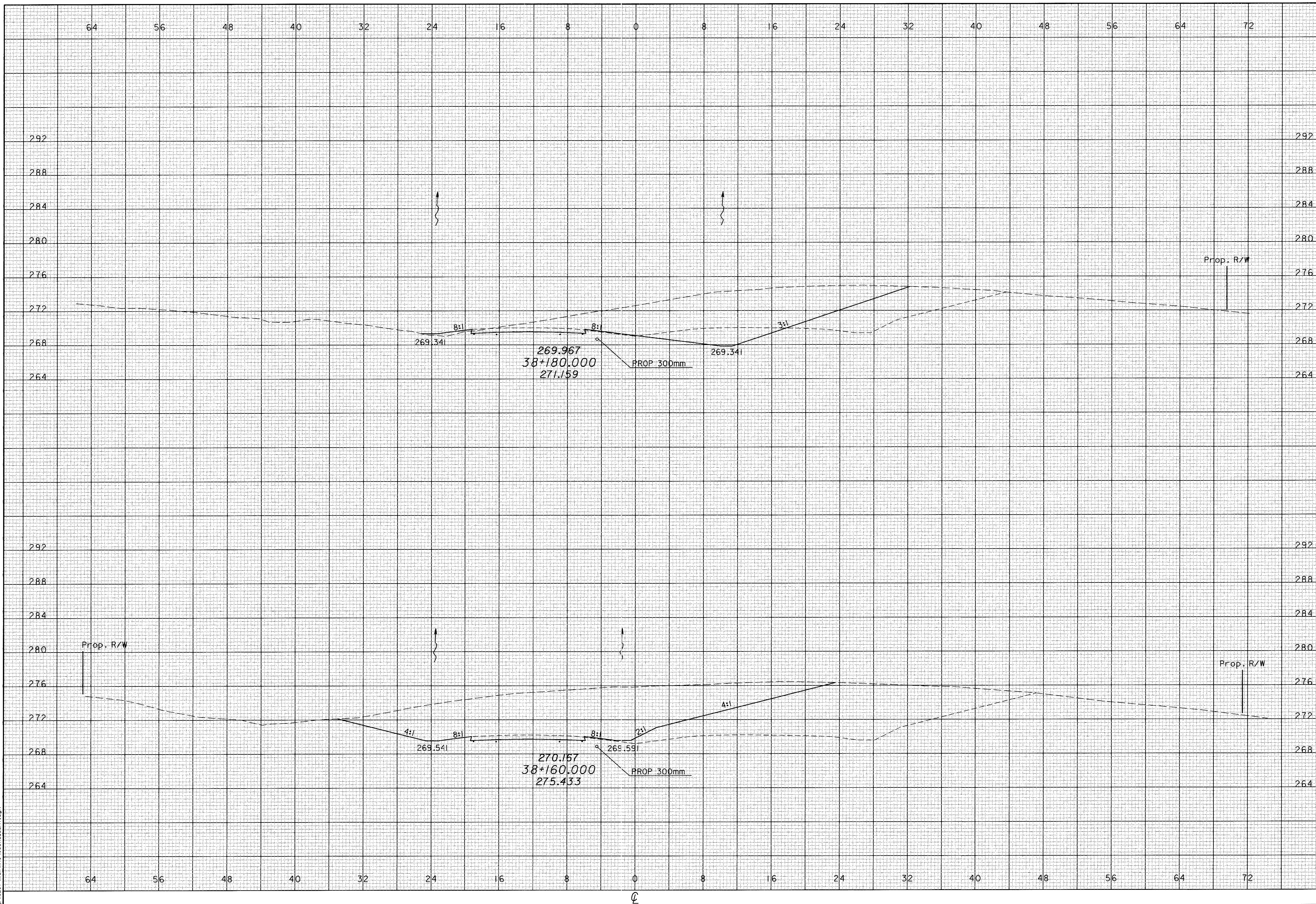


CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+120 TO STA 38+140

ATH-33-30.981

08 JAN 2001 08:35:53
c:\b2b7\m\l\line\033x55.dgn



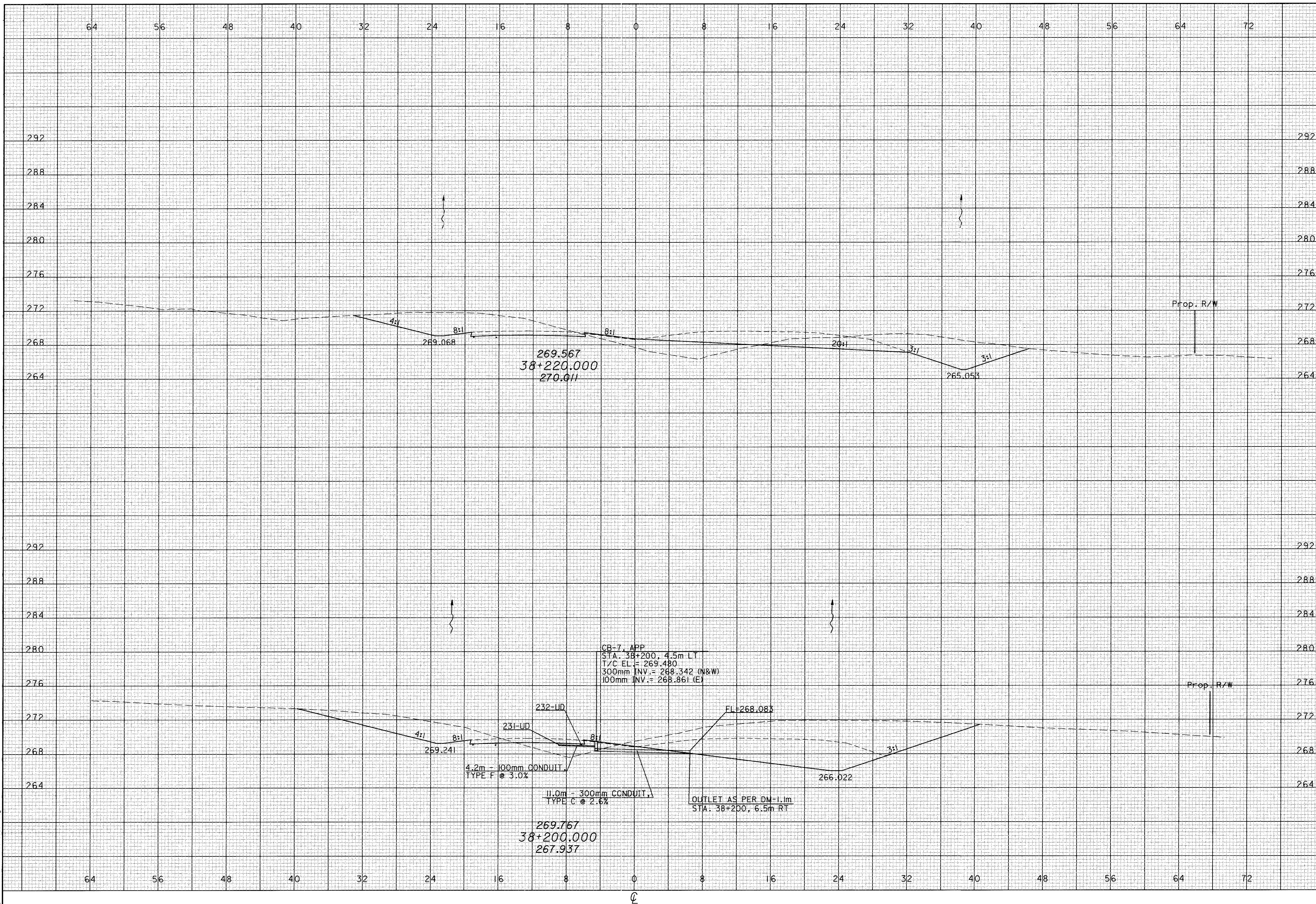
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+160 TO STA 38+180

ATH-33-30.981

510
956

08 JAN 2001 08:35:54
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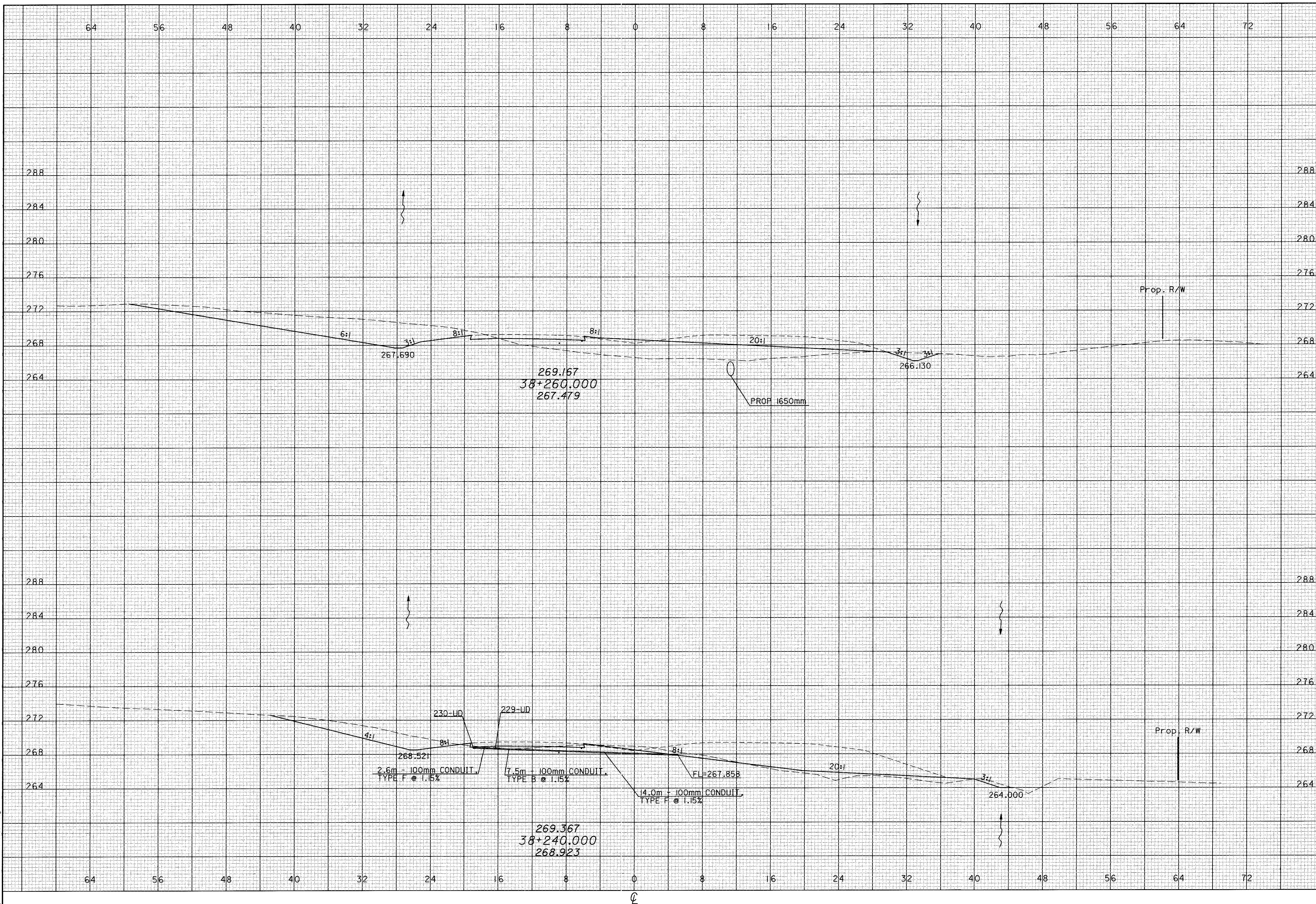
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+200 TO STA 38+220

ATH-33-30.981

511
956

08 JAN 2001 09:35:54
c:\b287\Mainline\033x55_eht.dgn



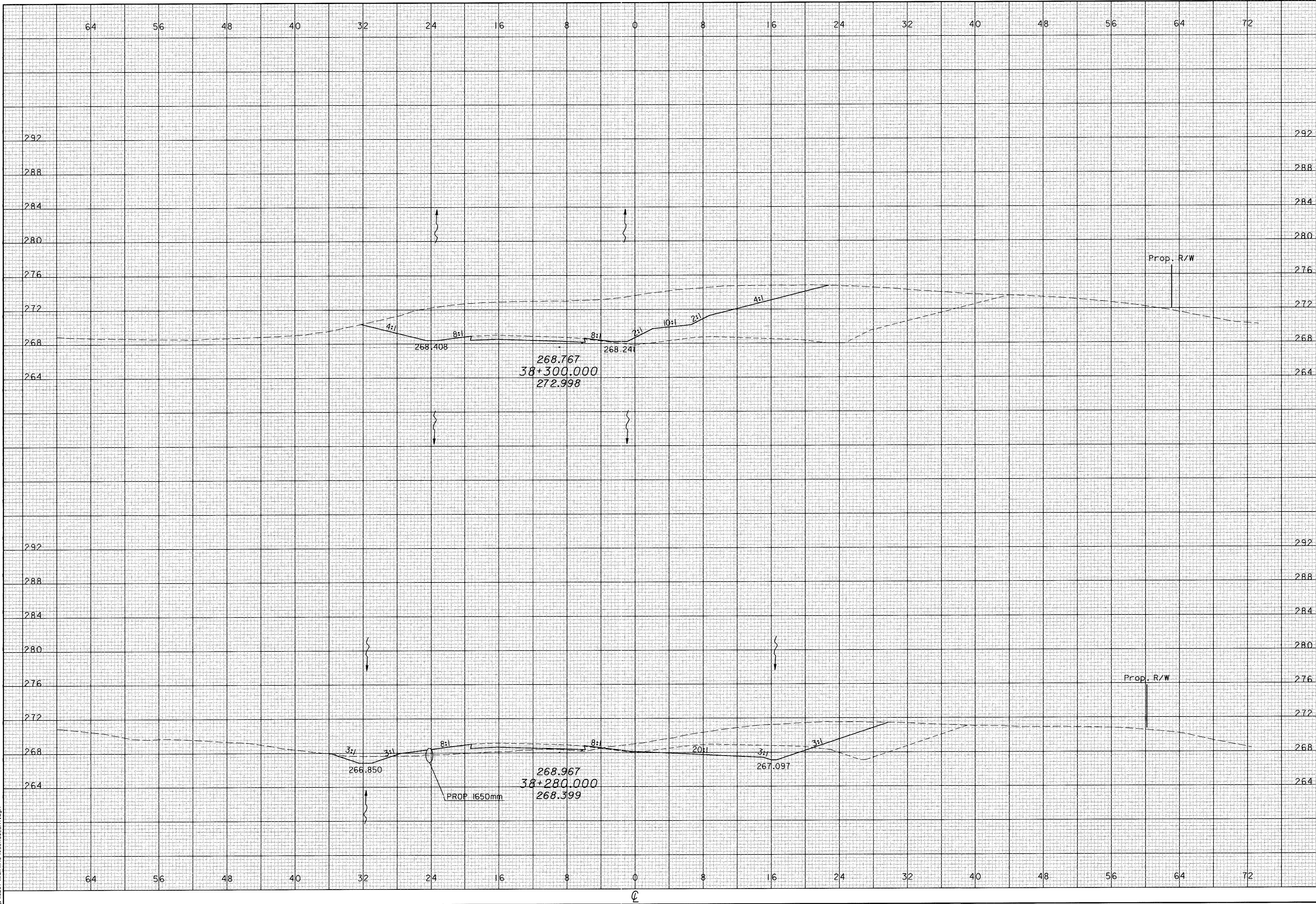
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+240 TO STA 38+260

ATH-33-30.981

512
956

08 JAN 2001 08:35:54
c:\18287\Modline\032x55.dht.dgn



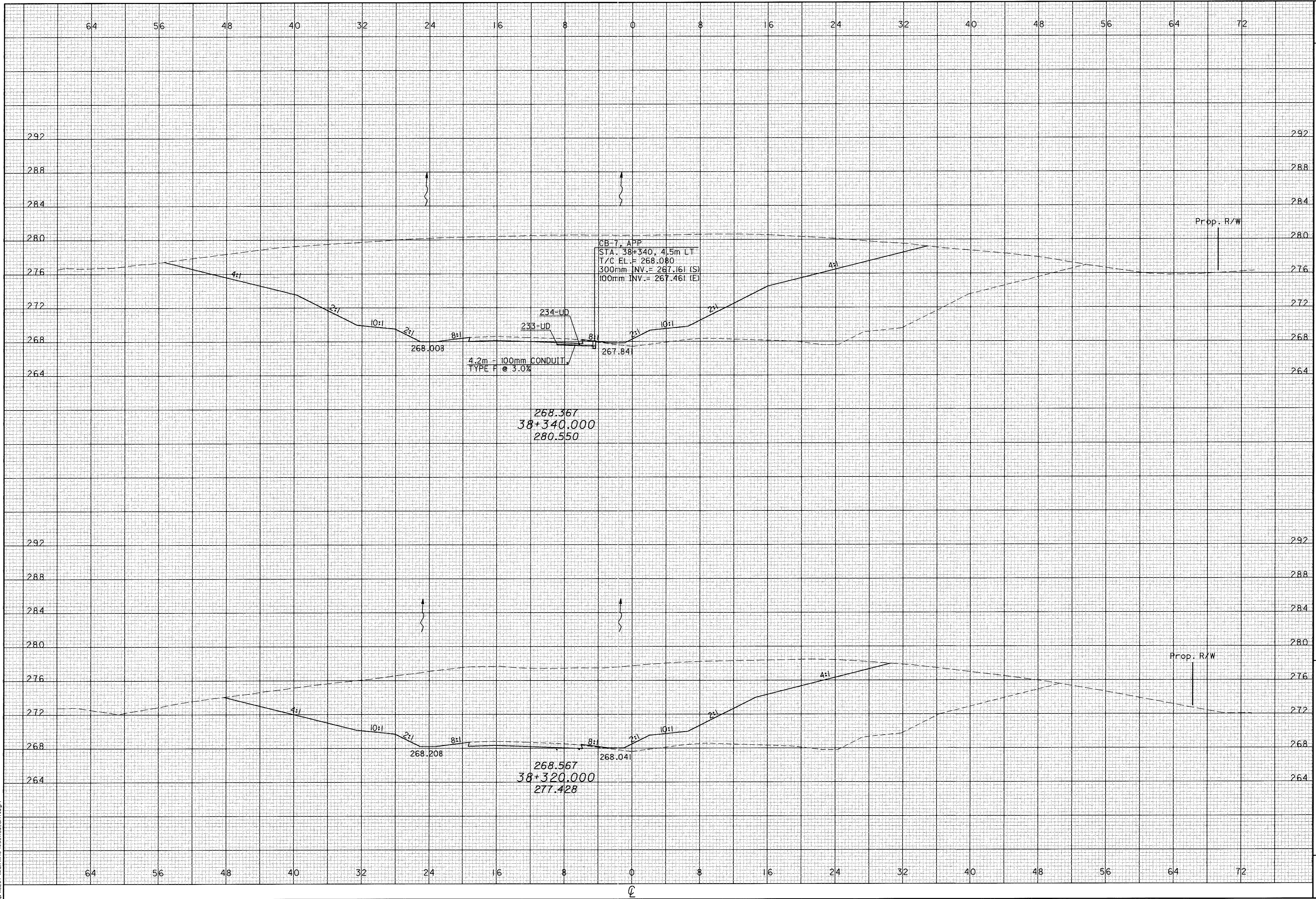
CALCULATED
P.R.S.
CHECKED
TAL

**CROSS SECTIONS
STA 38+280 TO STA 38+300**

ATH-33-30.981

513
956

08 JAN 2001 09:35:54
c:\b287\mainline\033x\5_sht.dgn

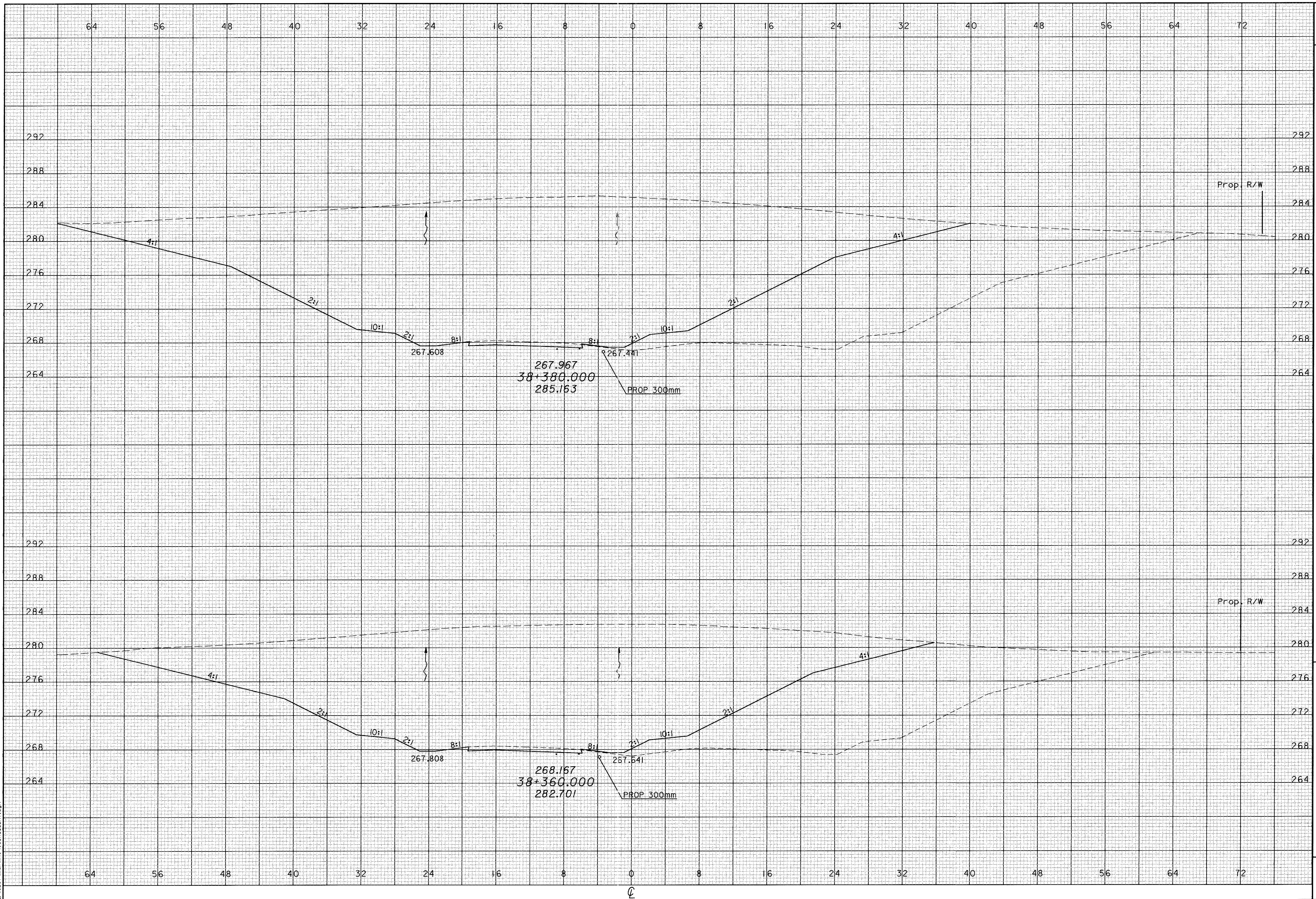


CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+320 TO STA 38+340

ATH-33-30.981

08 JAN 2001 09:35:54
c:\18287\Mainline\033x55_811.dgn



CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+360 TO STA 38+380

ATH-33-30.981

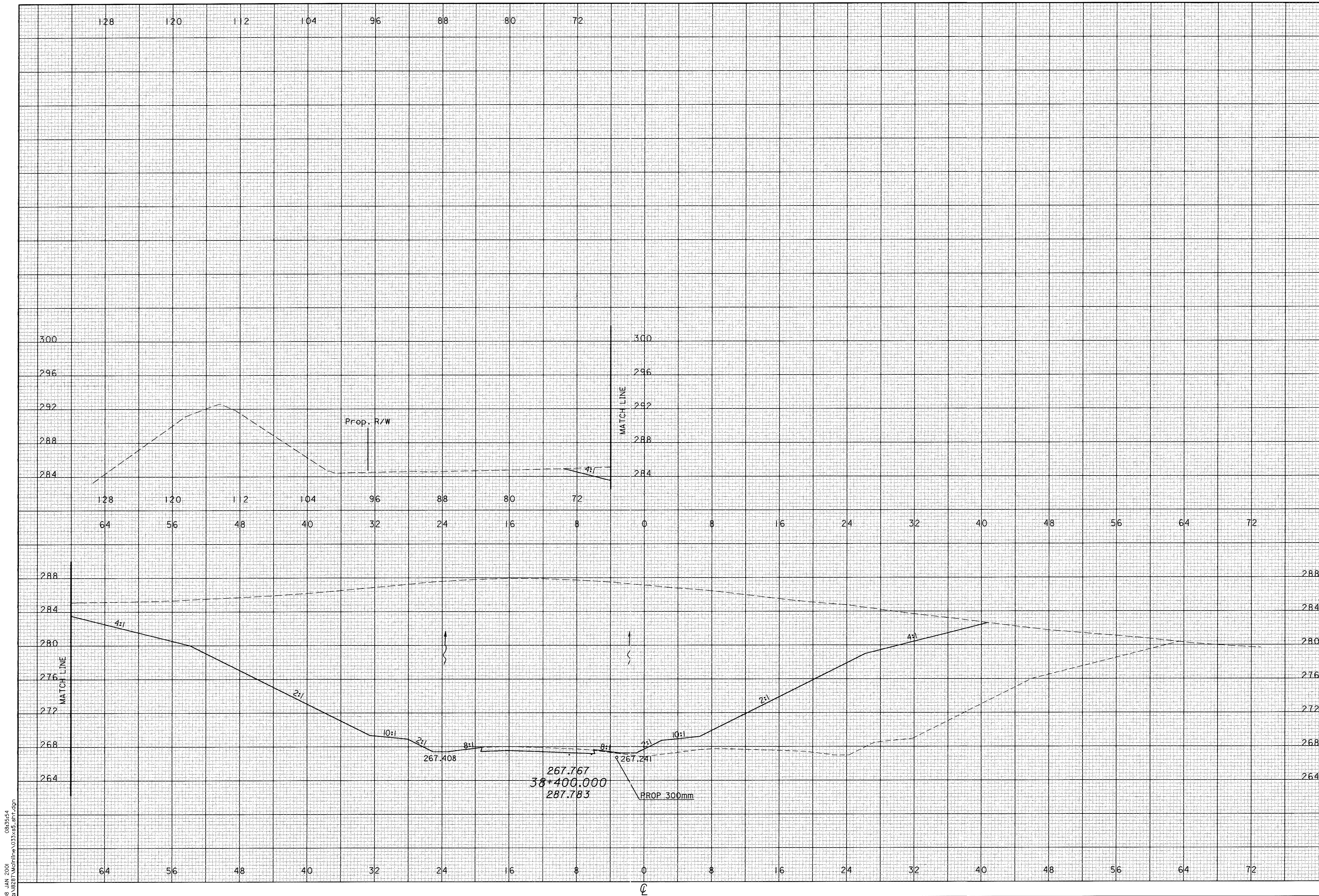
515
956

CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+400

ATH-33-30.981

516
956



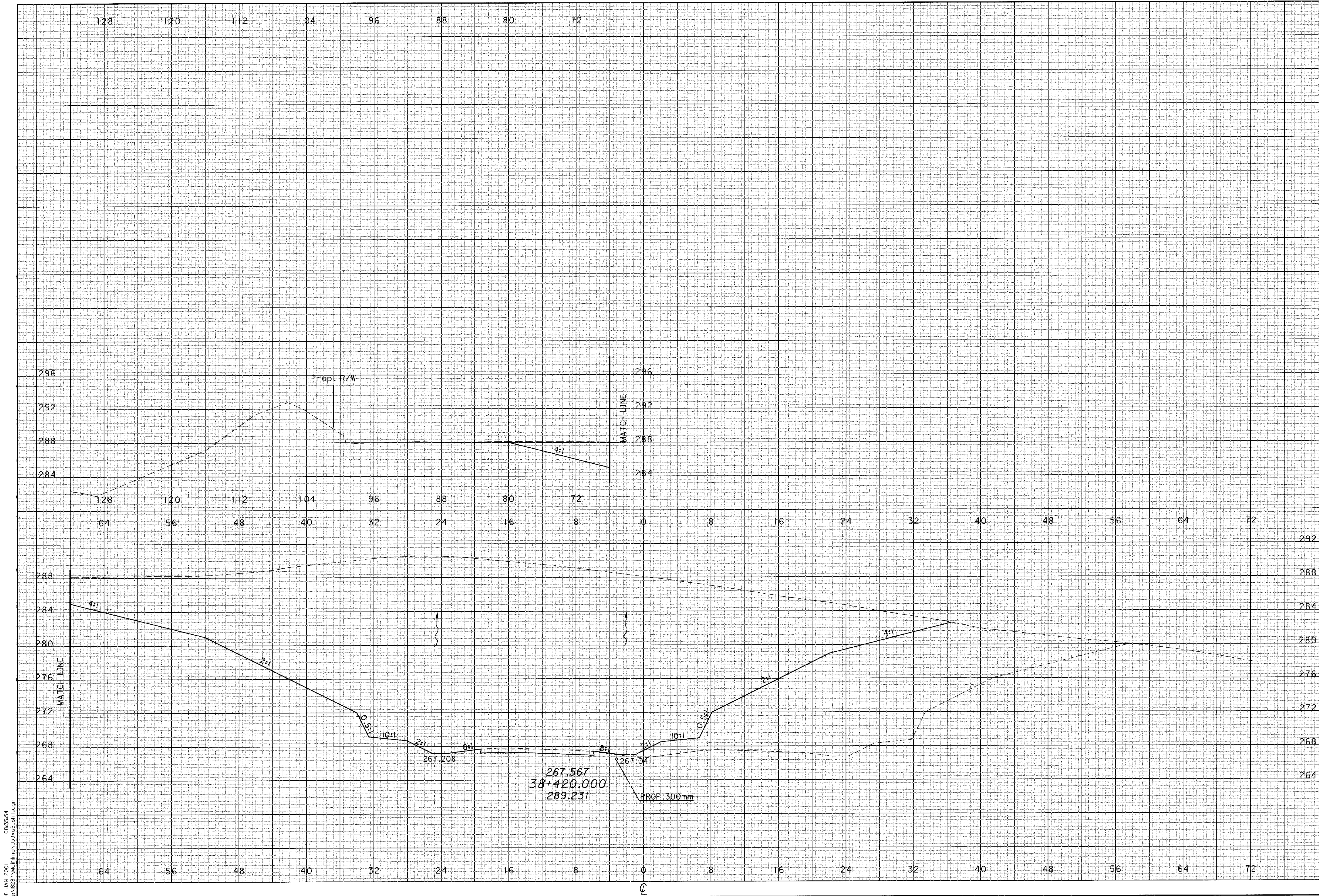
08 JAN 2001 08:35:54
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CALCULATED
 PRS
 CHECKED
 TAL

CROSS SECTIONS
 STA 38+420

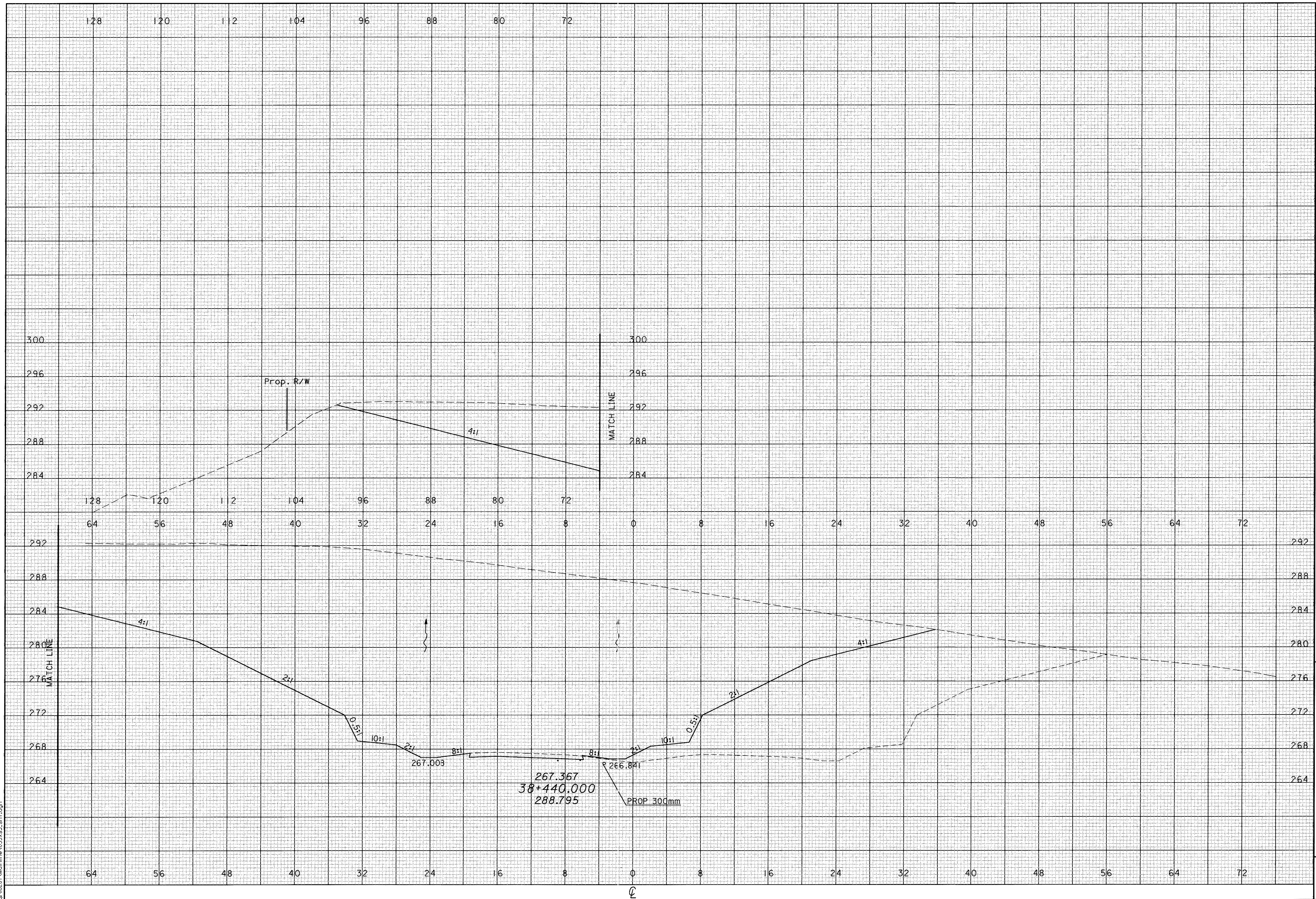
ATH-33-30.981

517
 956



08 JAN 2001 08:35:54
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08 JAN 2001 08:35:55
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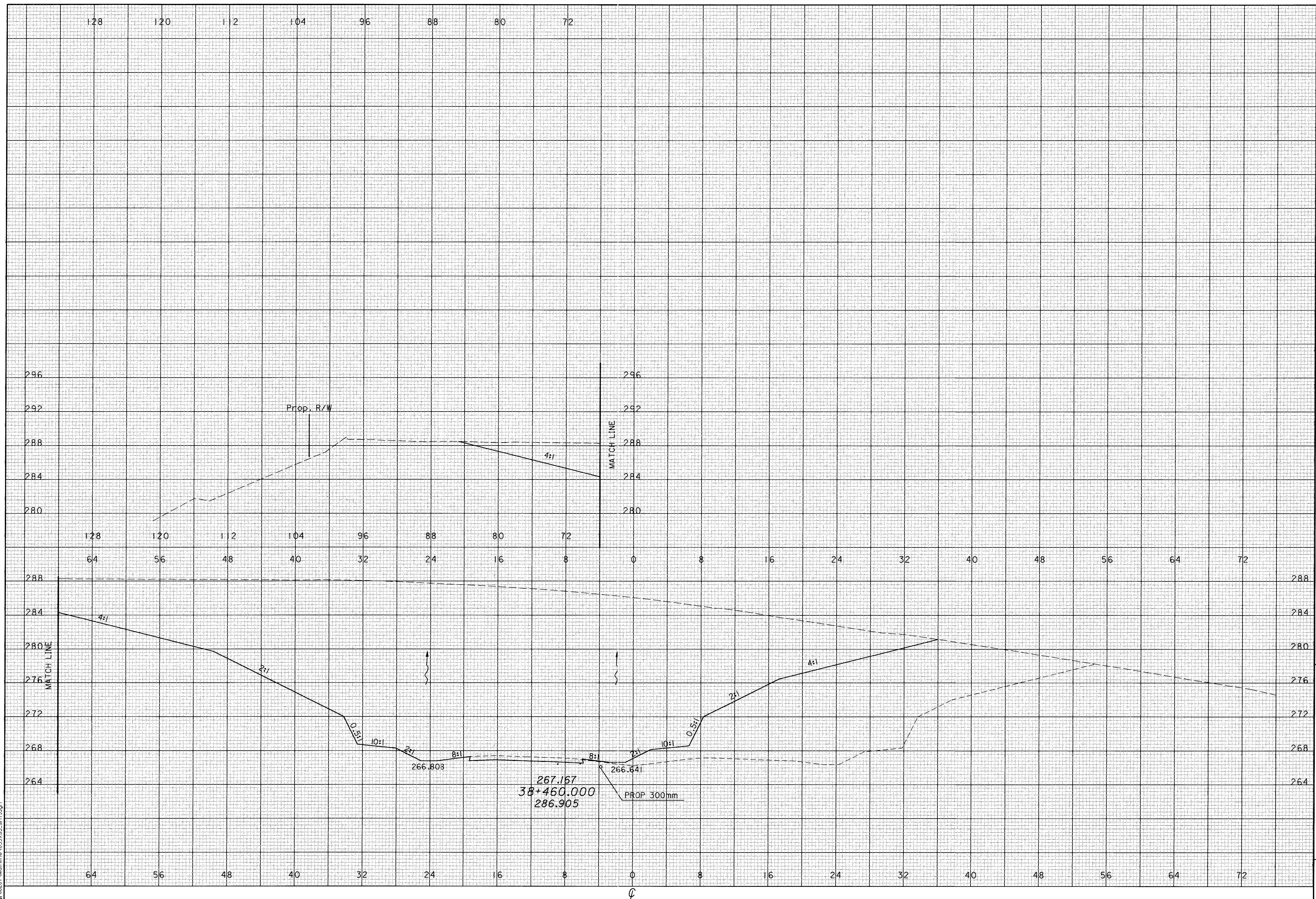
CROSS SECTIONS
STA 38+440

ATH-33-30.981

518
956

CALCULATED
PRS
CHECKED
TAL

08 JAN 2001 08:35:55
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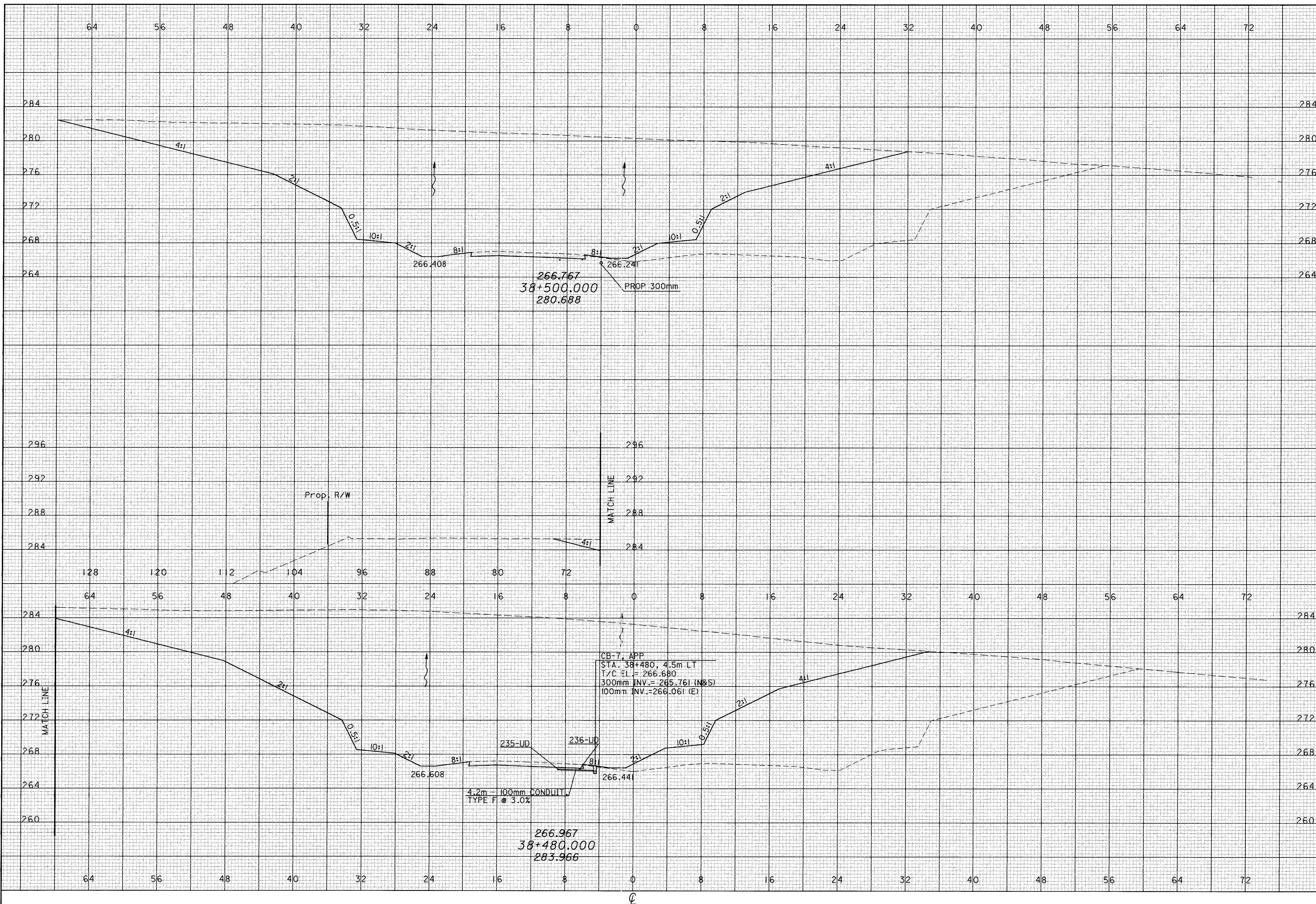
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+460

ATH-33-30.981

519
956

08 JAN 2001 08:35:55
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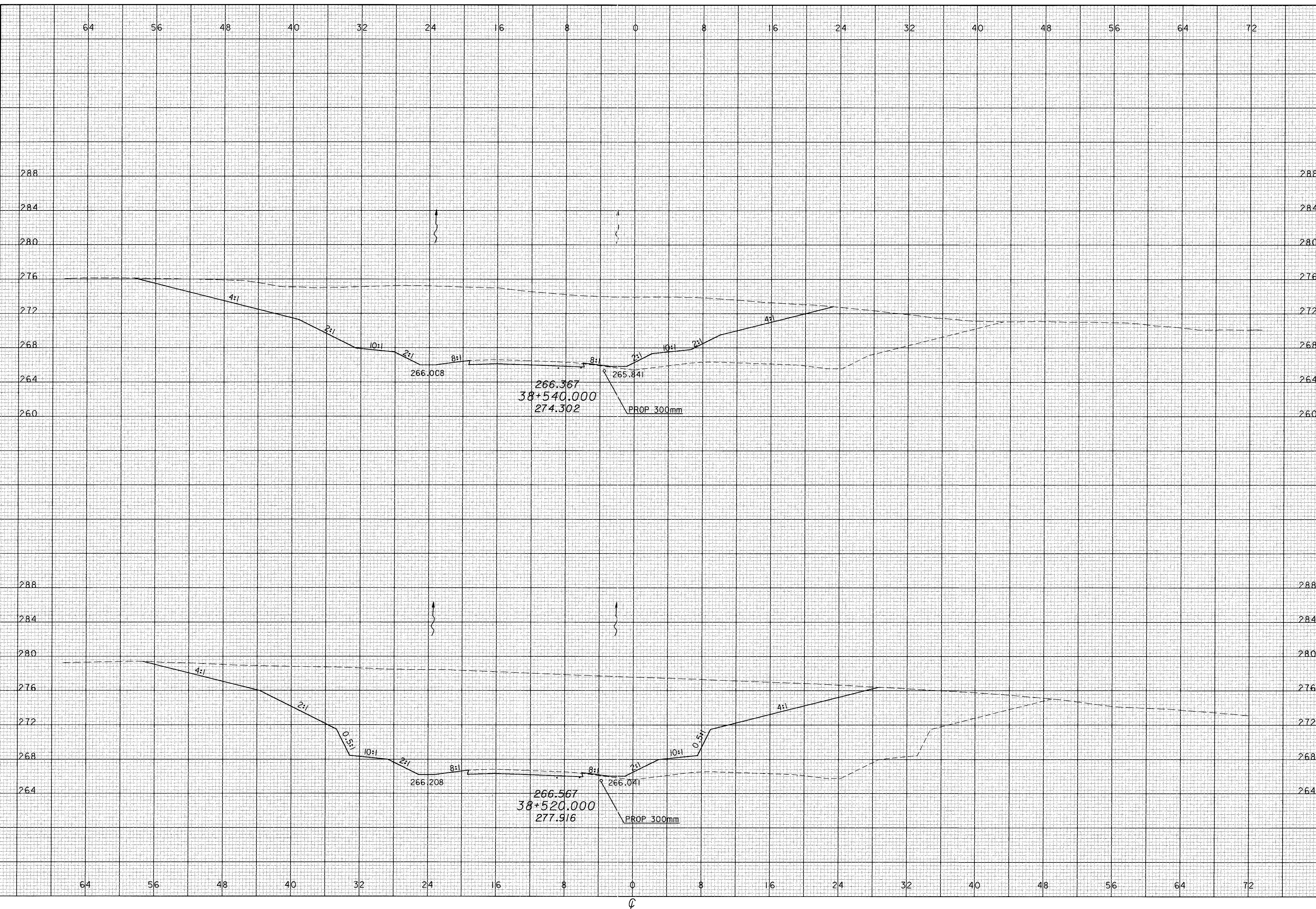
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+480 TO STA 38+500

ATH-33-30.981

520
956

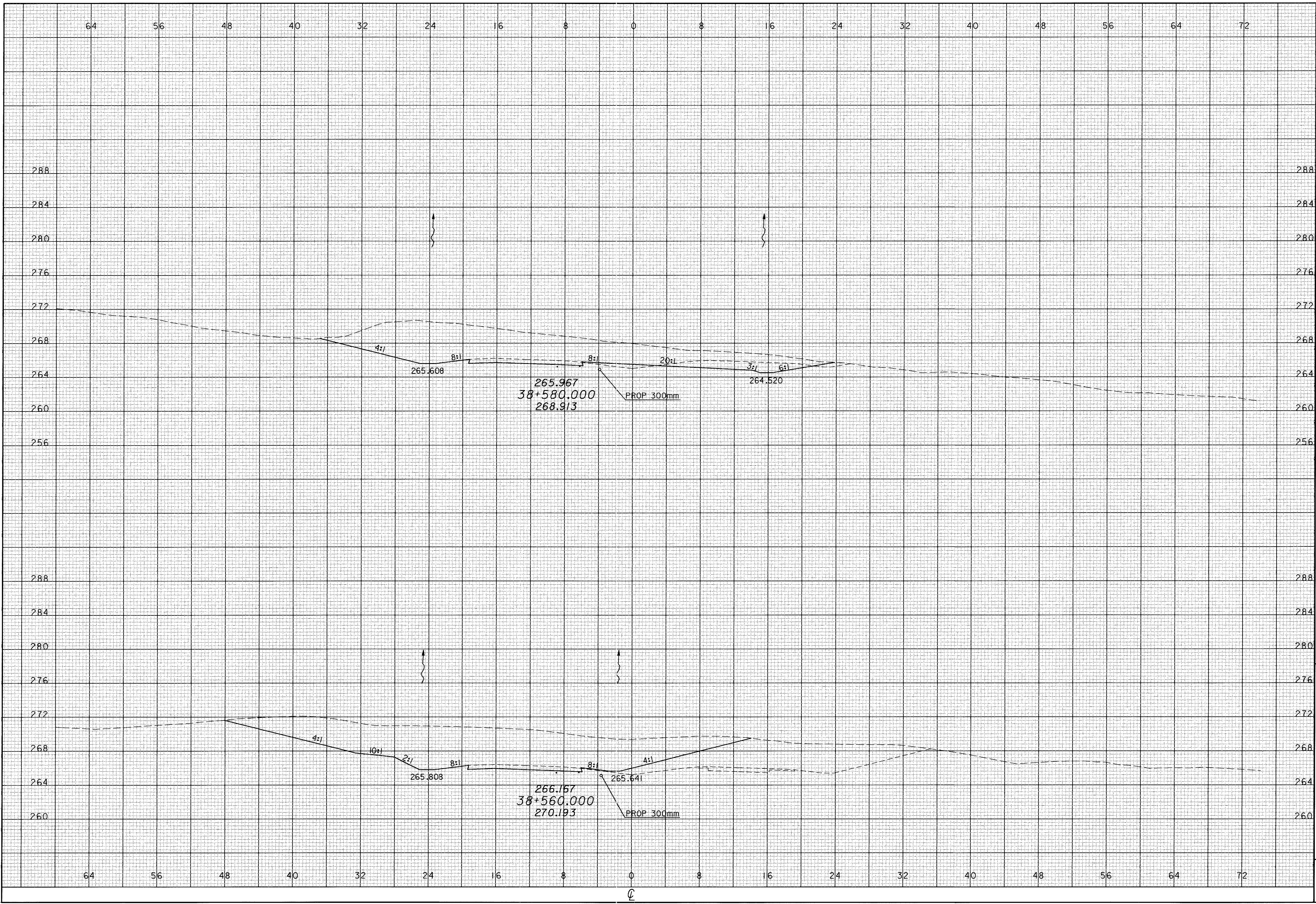
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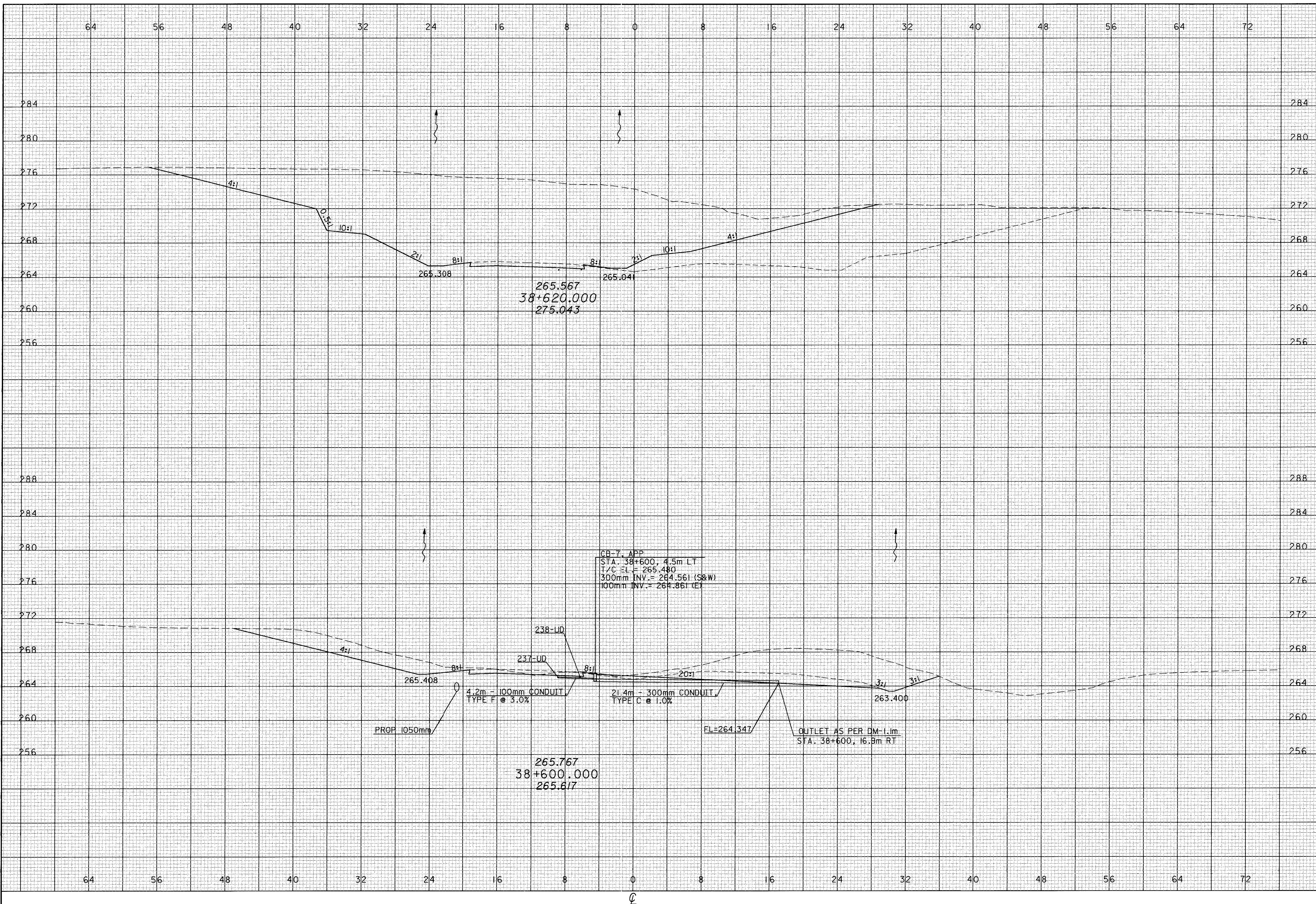
CALCULATED
PRS
CHECKED
TAL

**CROSS SECTIONS
STA 38+520 TO STA 38+540**

ATH-33-30.981



08 JAN 2001 09:35:56
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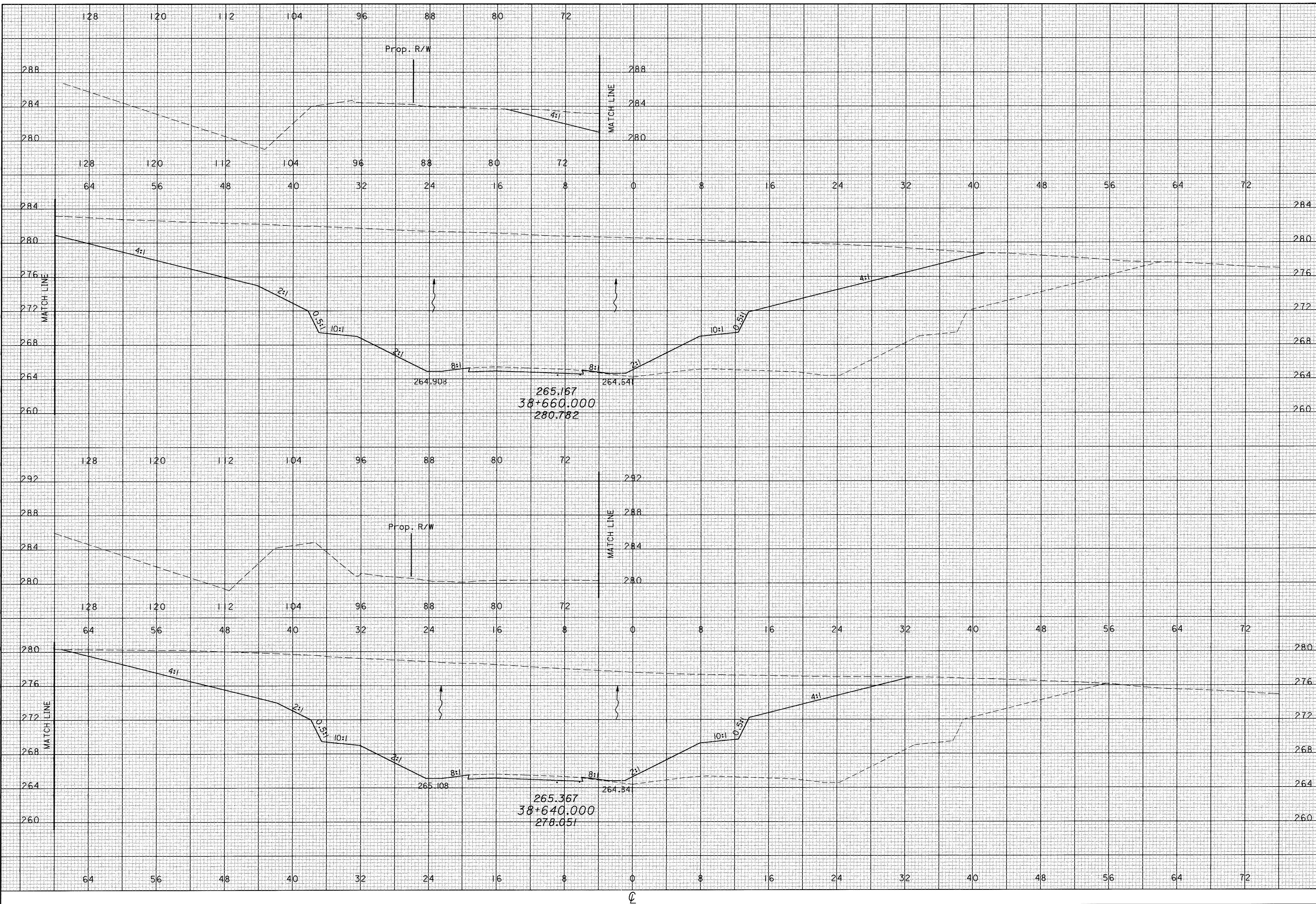
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+600 TO STA 38+620

ATH-33-30.981

523
956

08 JAN 2001 06:35:56
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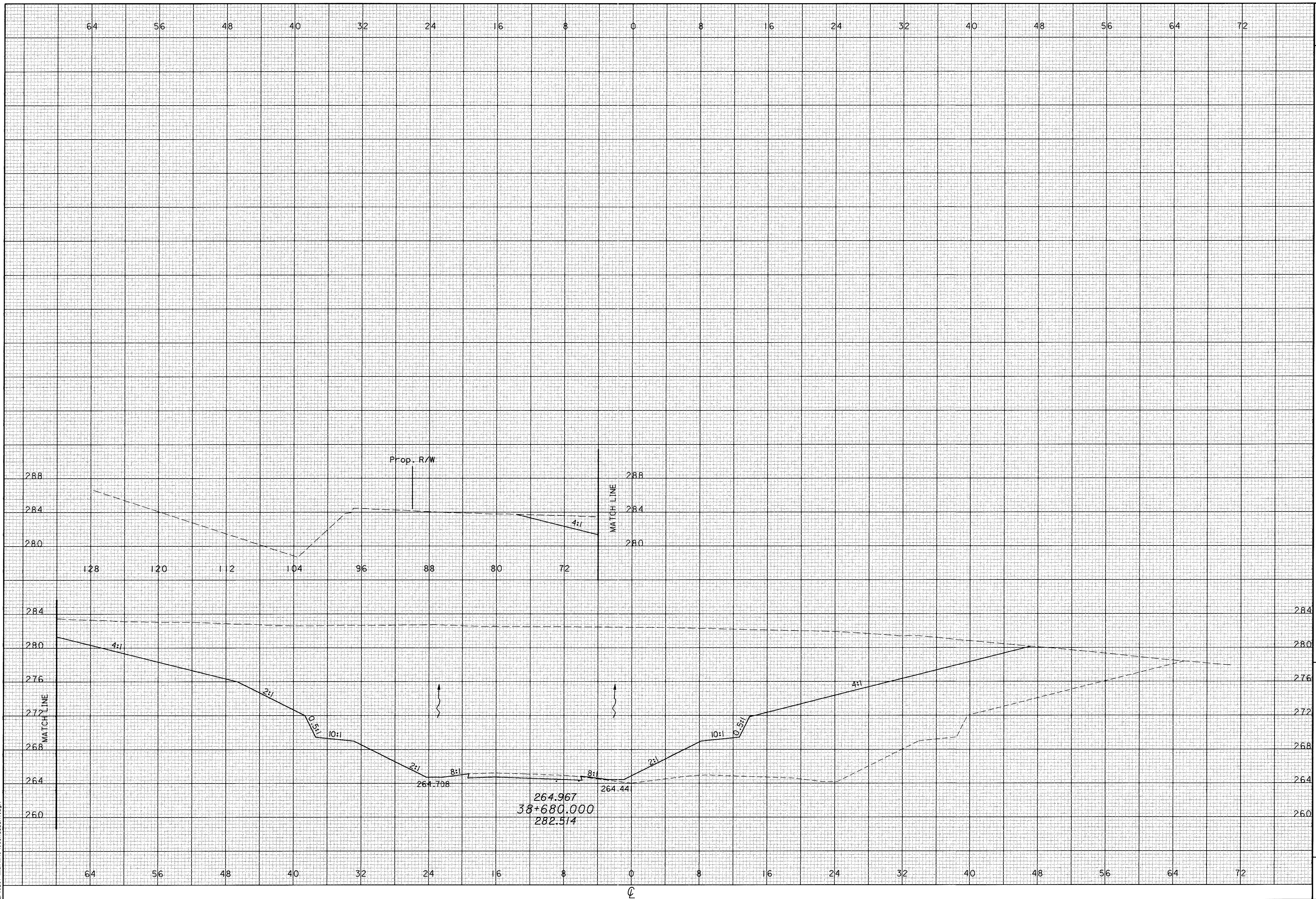
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+640 TO STA 38+660

ATH-33-30.981

524
956

08 JAN 2001 08:35:56
c:\18287\Mainline\033x55_sht.dgn



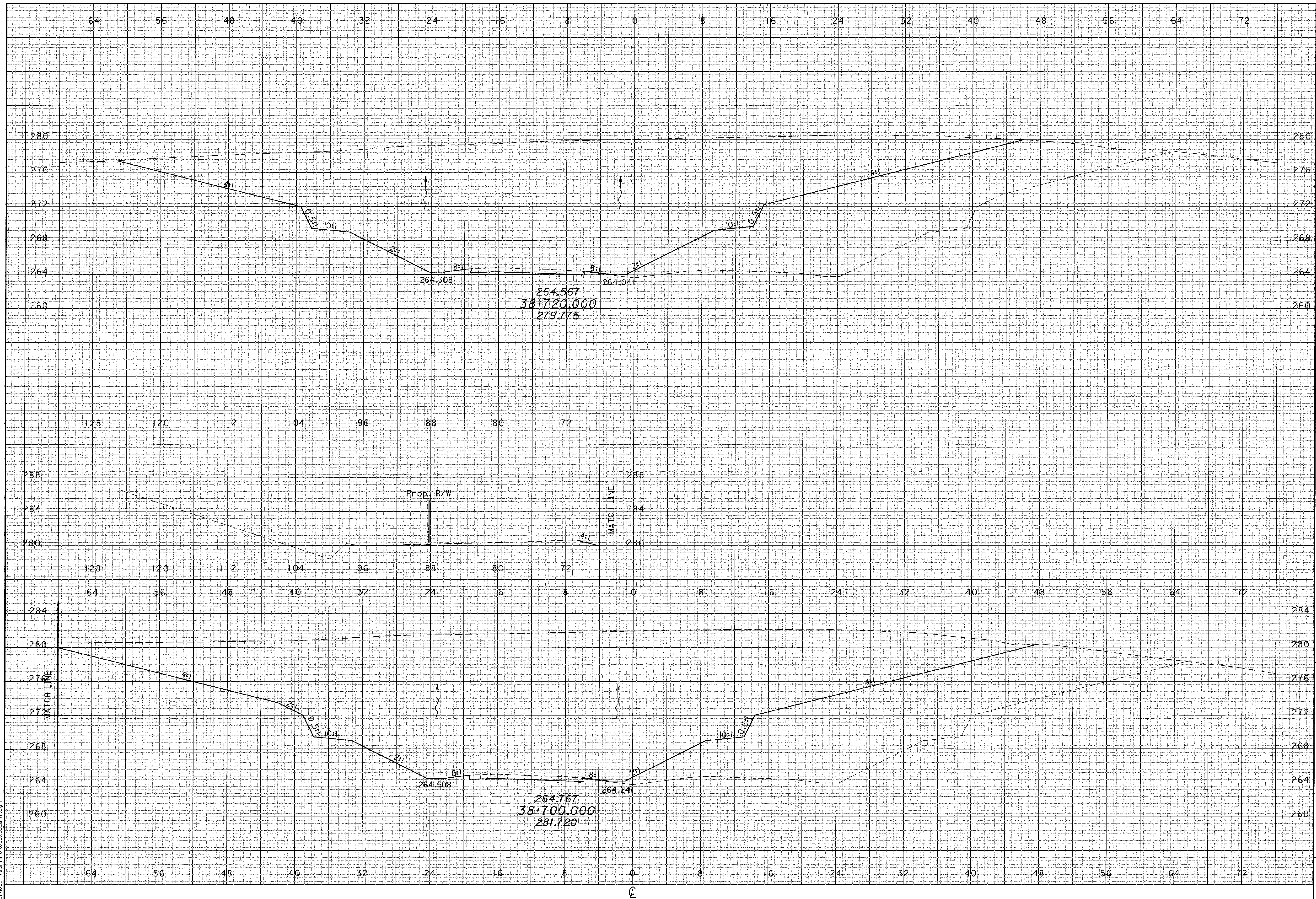
CROSS SECTIONS
STA 38+680

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

525
956

08 JAN 2001 09:35:56
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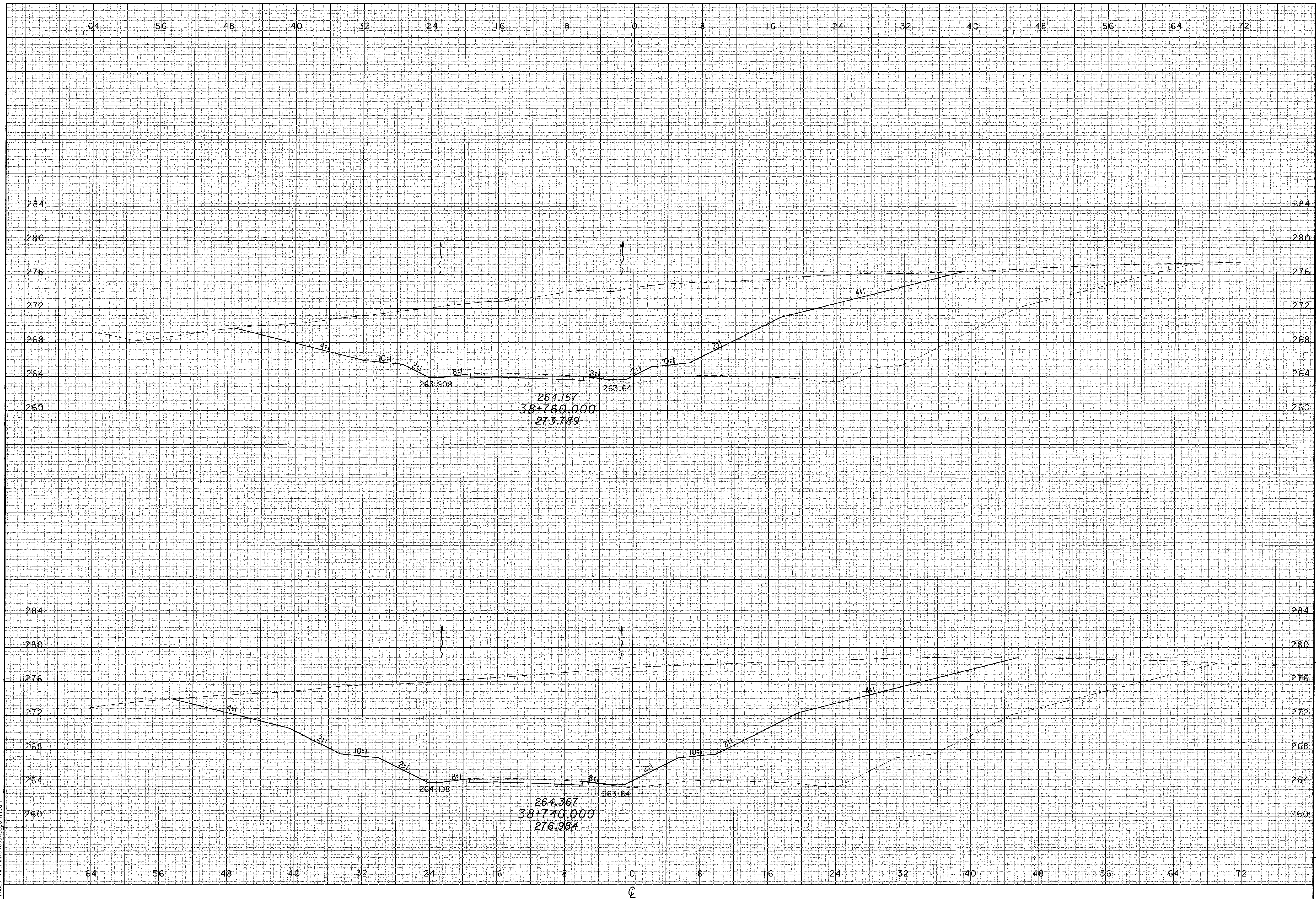
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+700 TO STA 38+720

ATH-33-30.981

526
956

08 JAN 2001 09:35:56
c:\18287\Mainline\033x55.shr.dgn



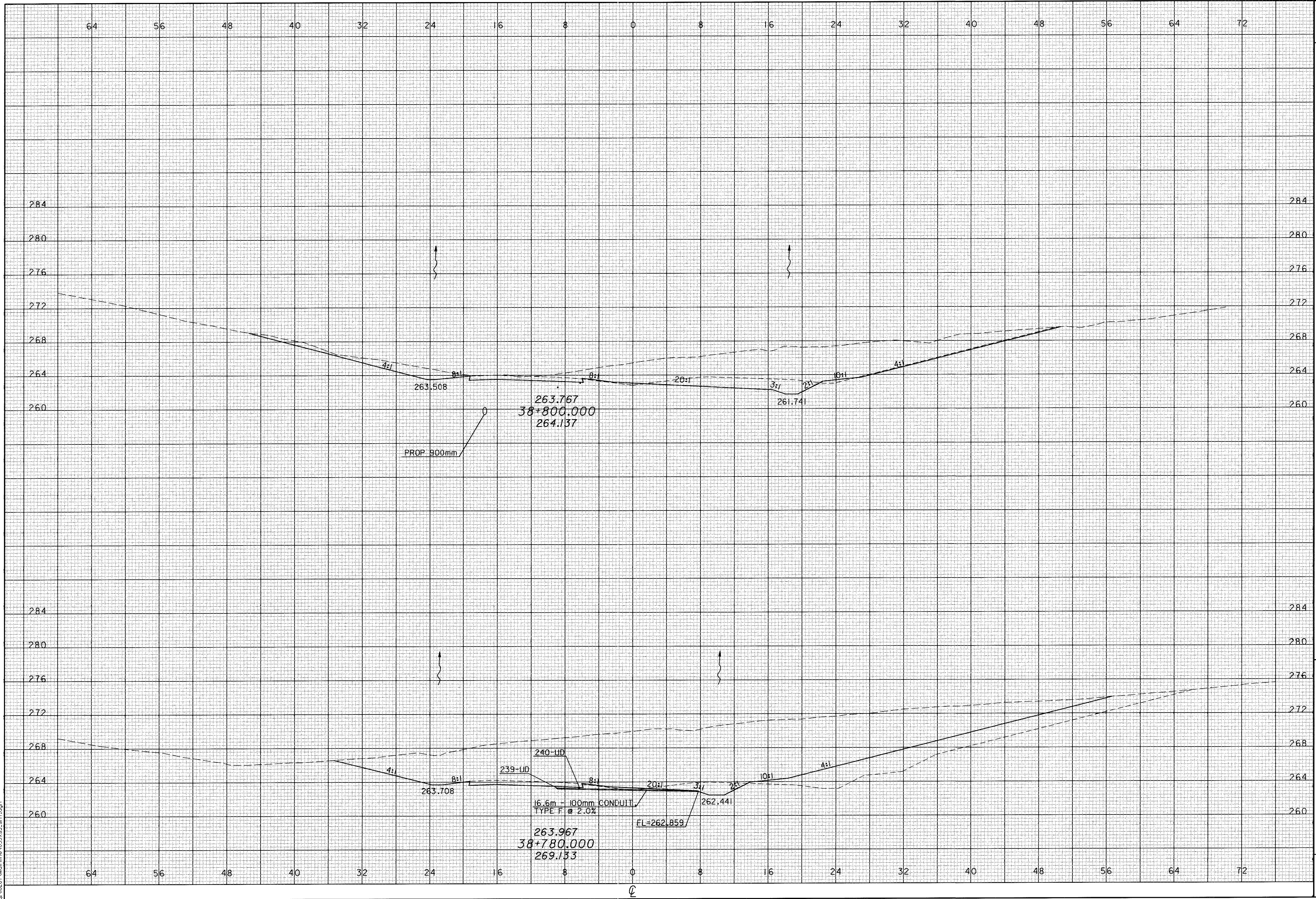
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+740 TO STA 38+760

ATH-33-30.981

527
956

08 JAN 2001 08:35:57
g:\18287\McGrIne\033x55.sh1.dgn



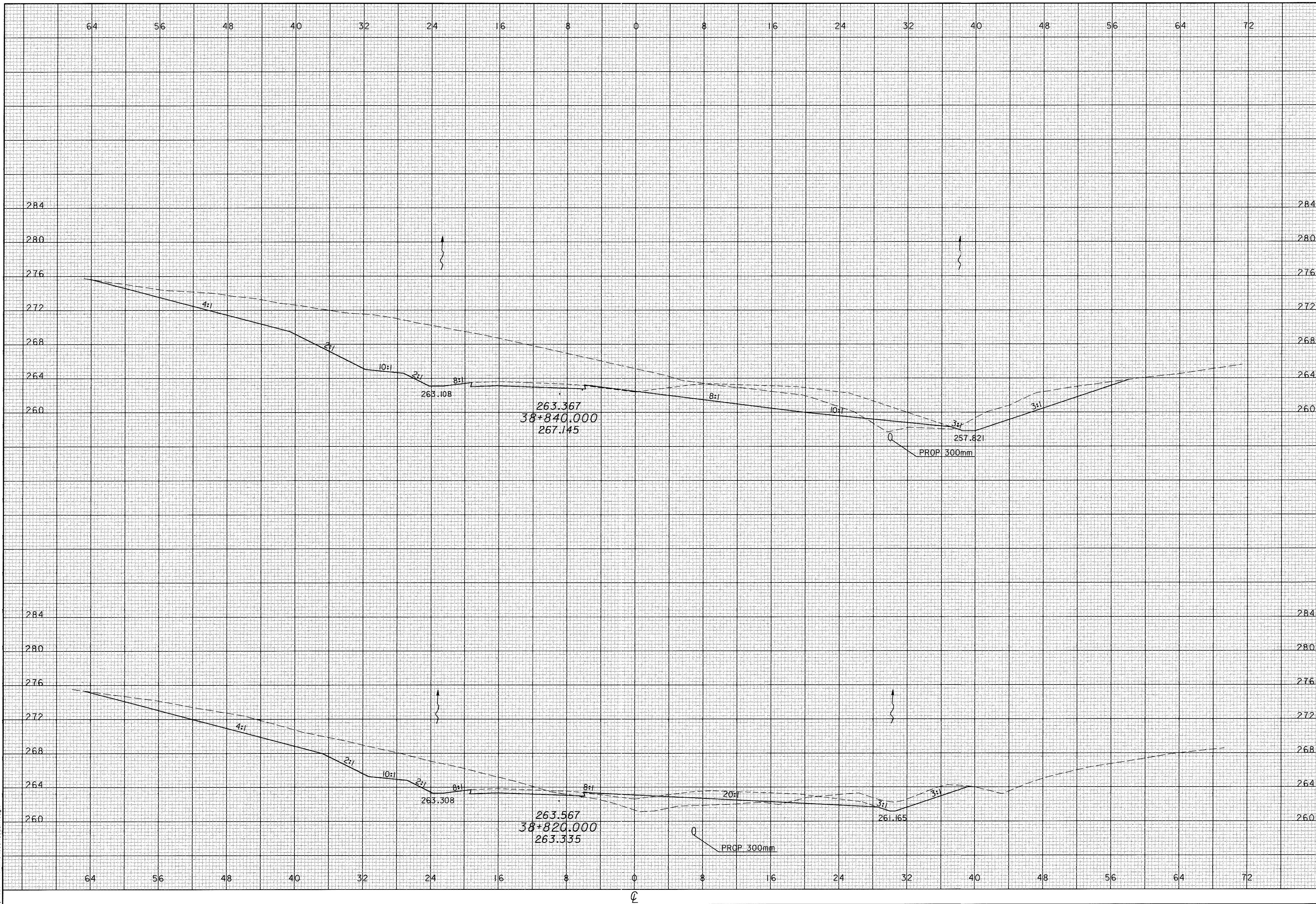
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+780 TO STA 38+800

ATH-33-30.981

528
956

08 JAN 2001 08:35:57
c:\ib287\workline\033x55.srt.dgn



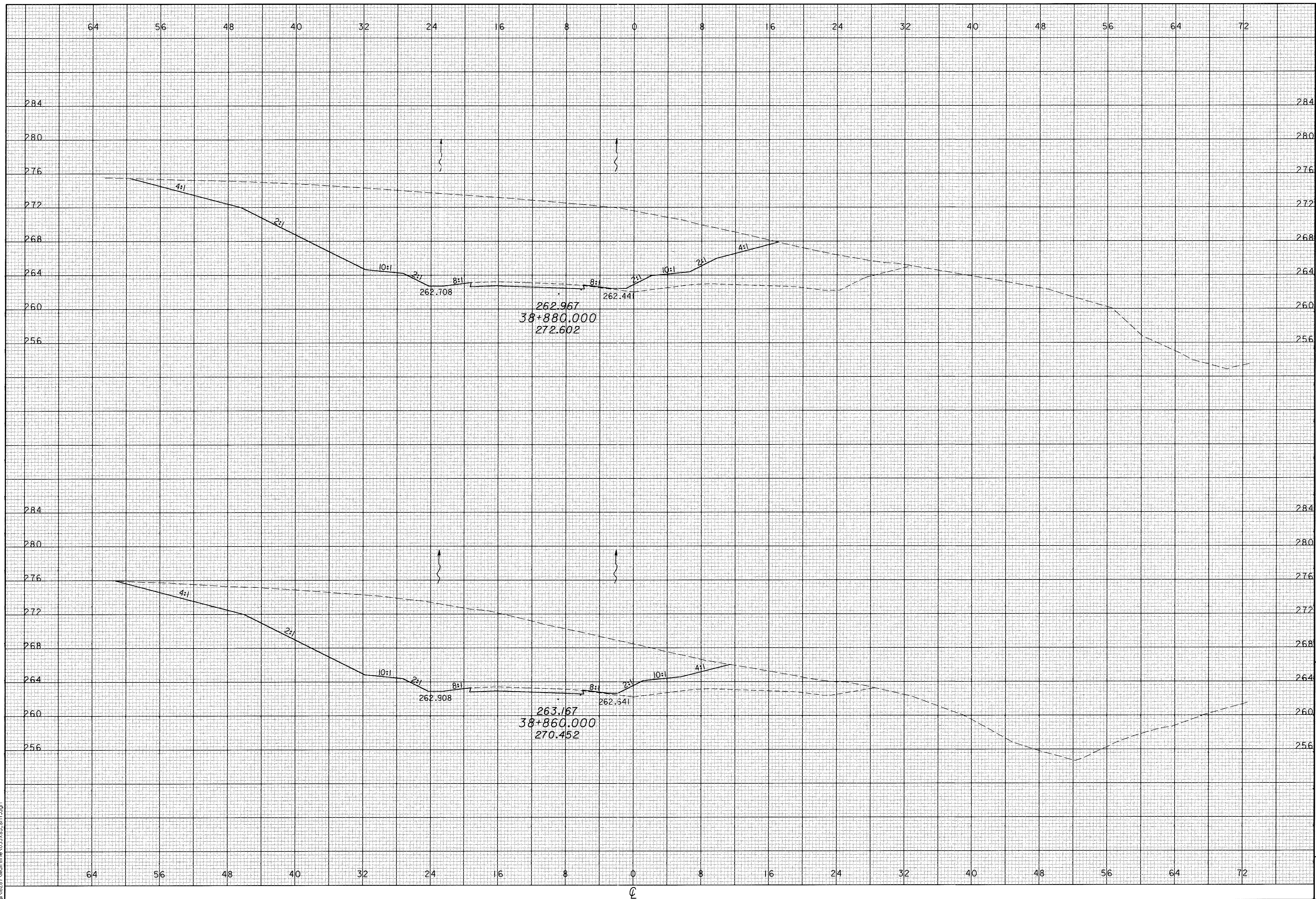
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+820 TO STA 38+840

ATH-33-30.981

529
956

08 JAN 2001 08:35:57
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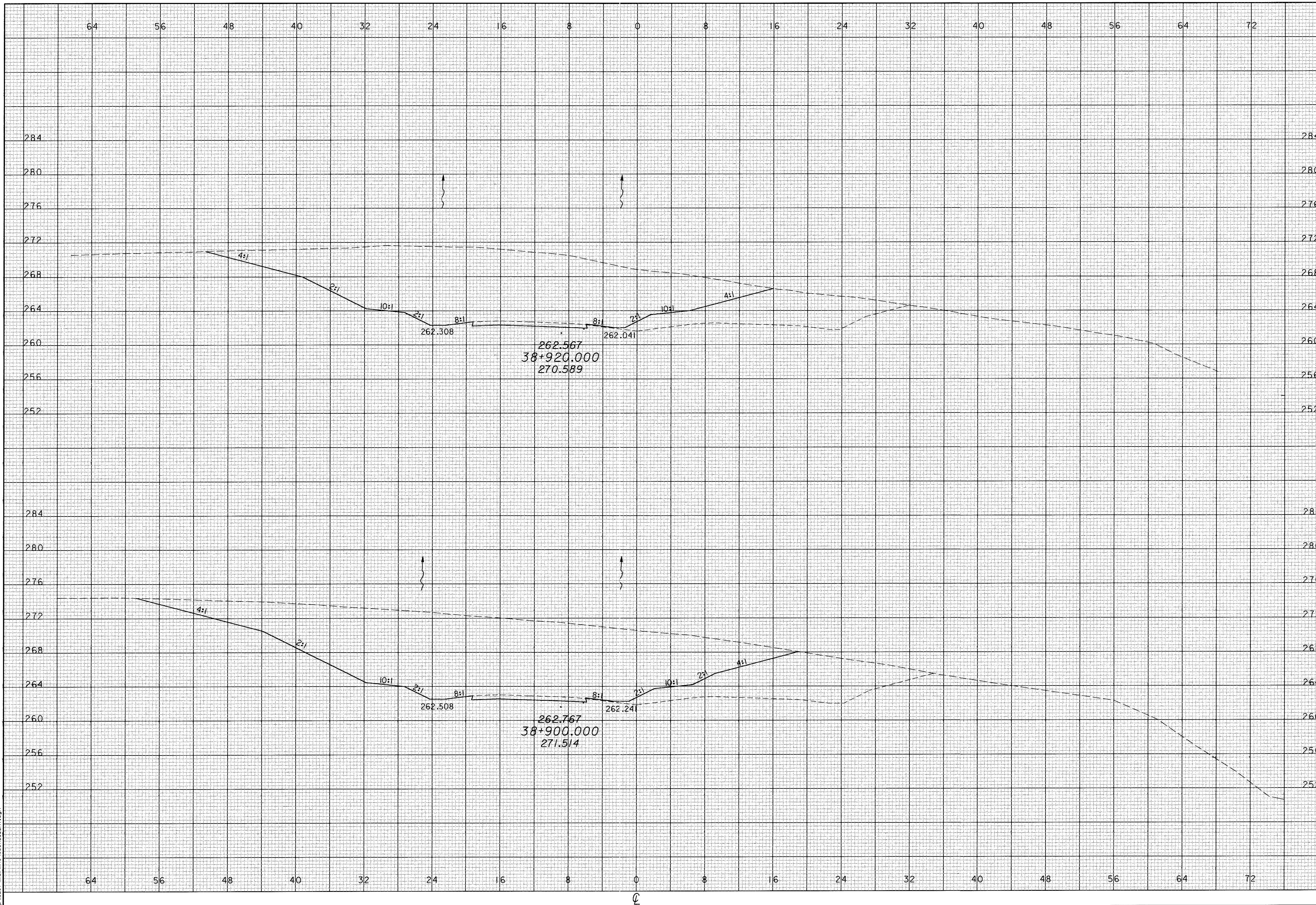
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PRS
CHECKED
TAL

CROSS SECTIONS
STA 38+860 TO STA 38+880

ATH-33-30.981

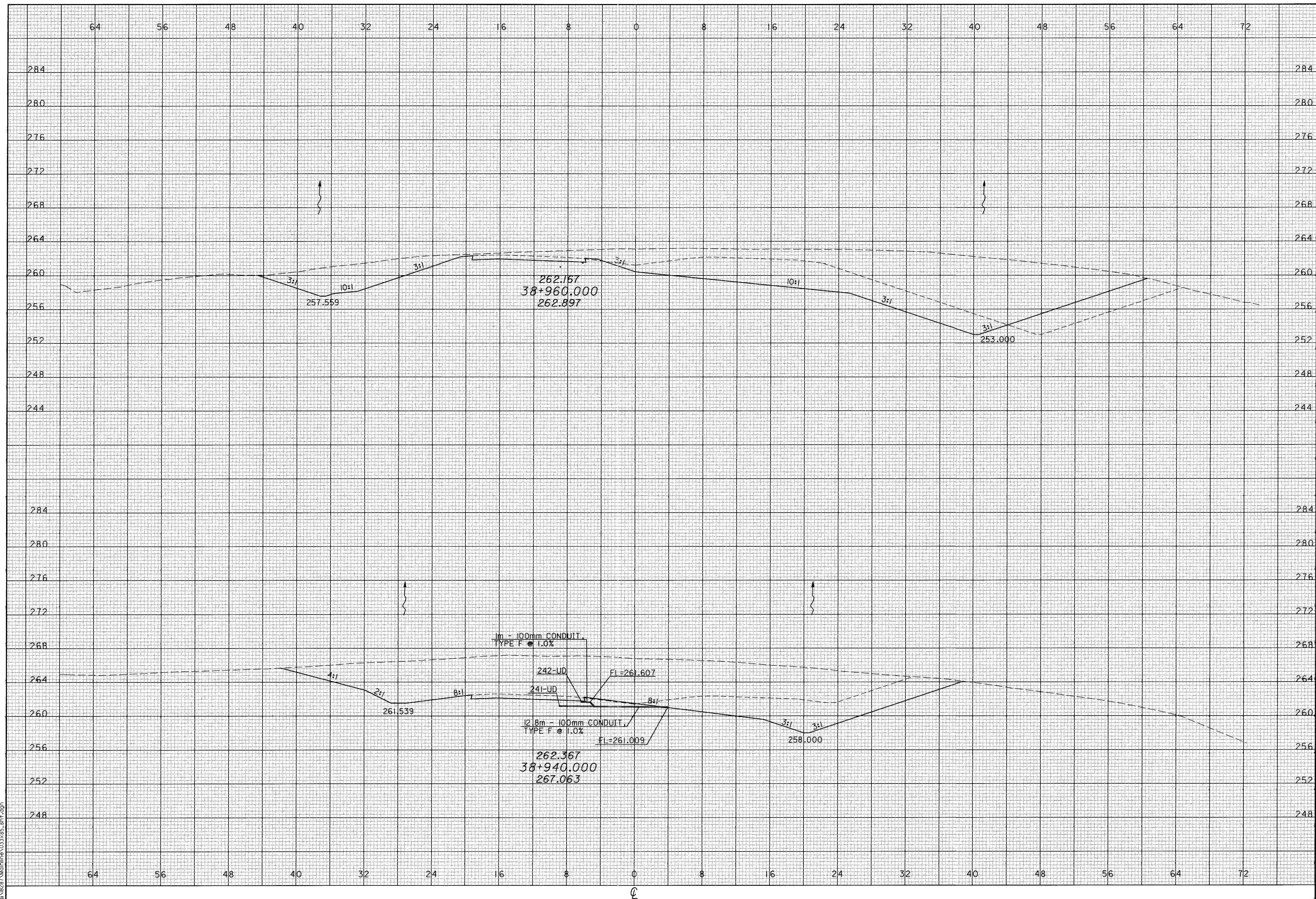
530
956

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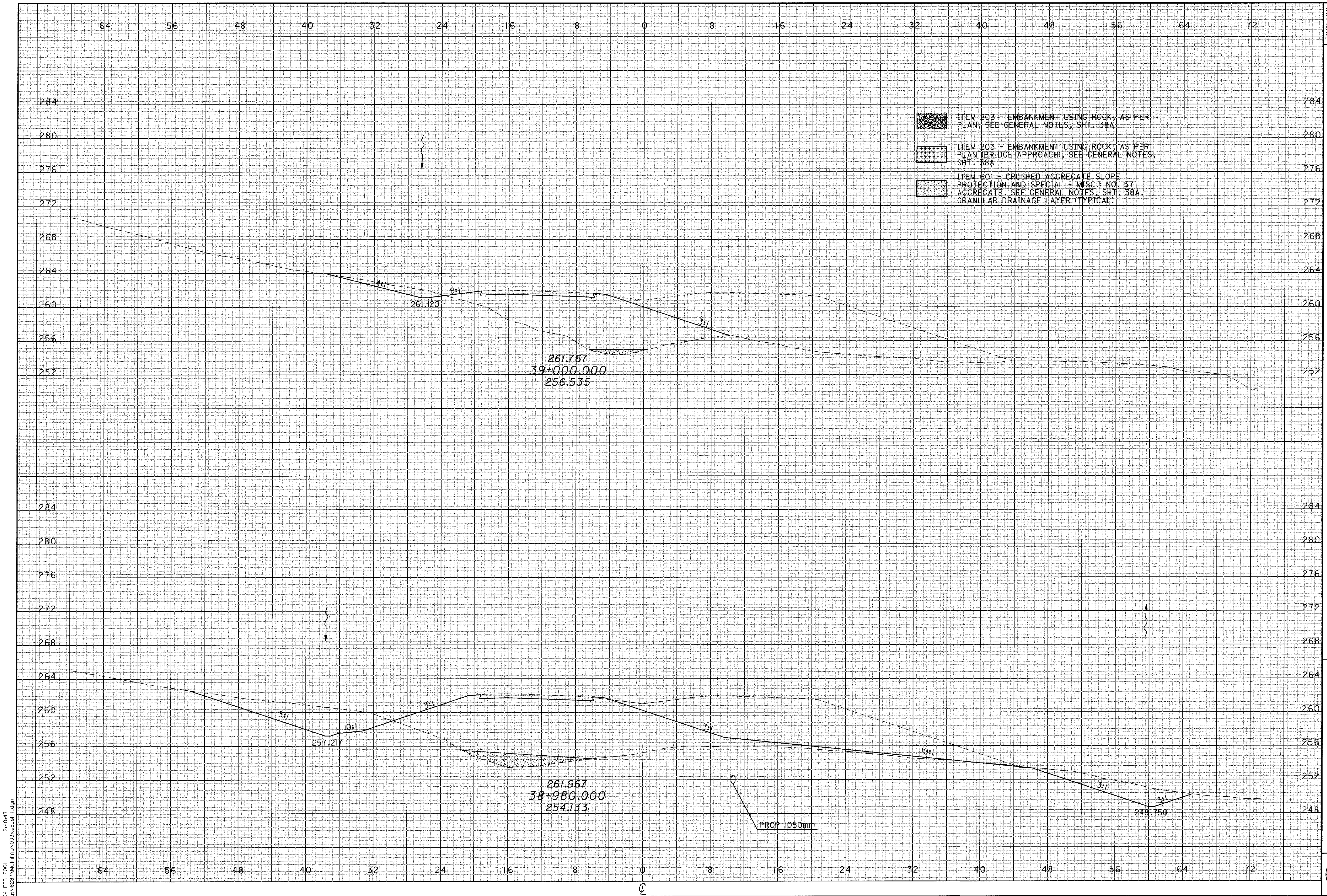


CALCULATED	PRS	CHECKED	TAL
CROSS SECTIONS STA 38+900 TO STA 38+920			
ATH-33-30.981			
531 956			

08 JAN 2001 08:35:57
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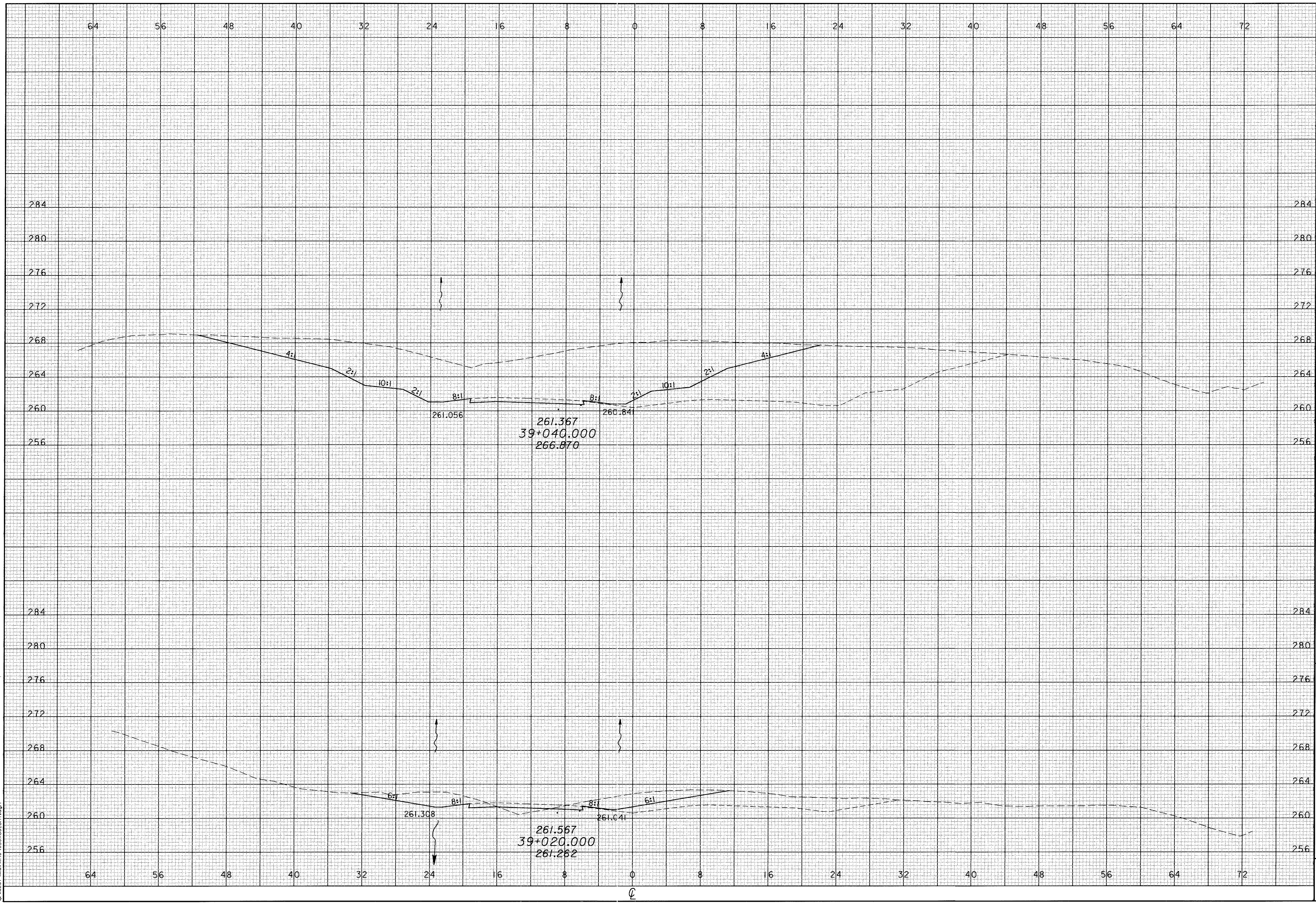
CALCULATED	PRS	CHECKED	TAL
CROSS SECTIONS STA 38+940 TO STA 38+960			
ATH-33-30.981			
532	956		



CALCULATED	TOTAL	
	PRS	CHECKED
CROSS SECTIONS STA 38+980 TO STA 39+000		
ATH-33-30.981		
	533	956

04 FEB 2001 12:40:43
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08 JAN 2001 08:35:58
g:\18287\Morline\033\55.shr.dgn



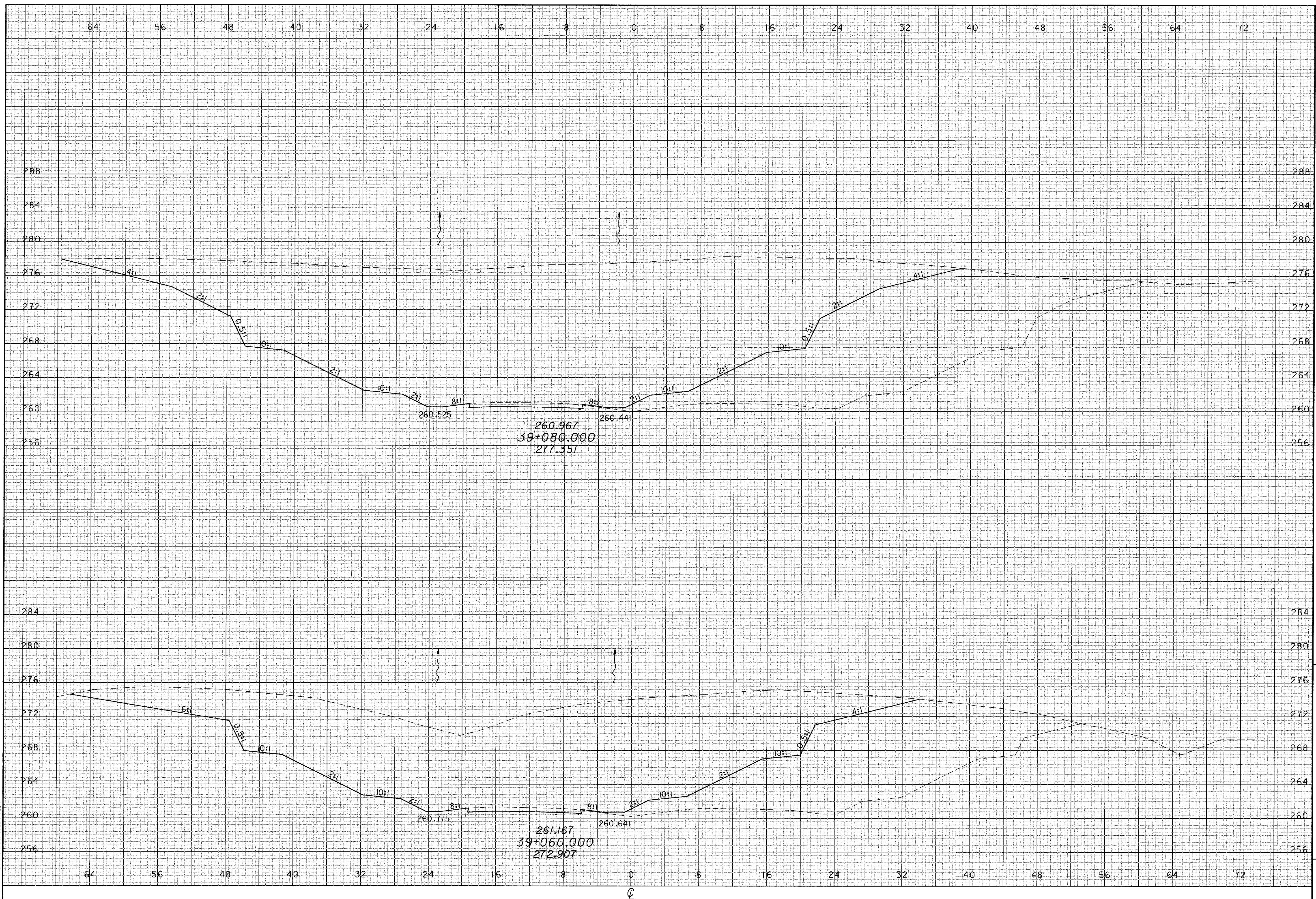
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+020 TO STA 39+040

ATH-33-30.981

534
956

08 JAN 2001 08:35:58
c:\18287\Mainline\032\ss5_sht.dgn



CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+060 TO STA 39+080

ATH-33-30.981

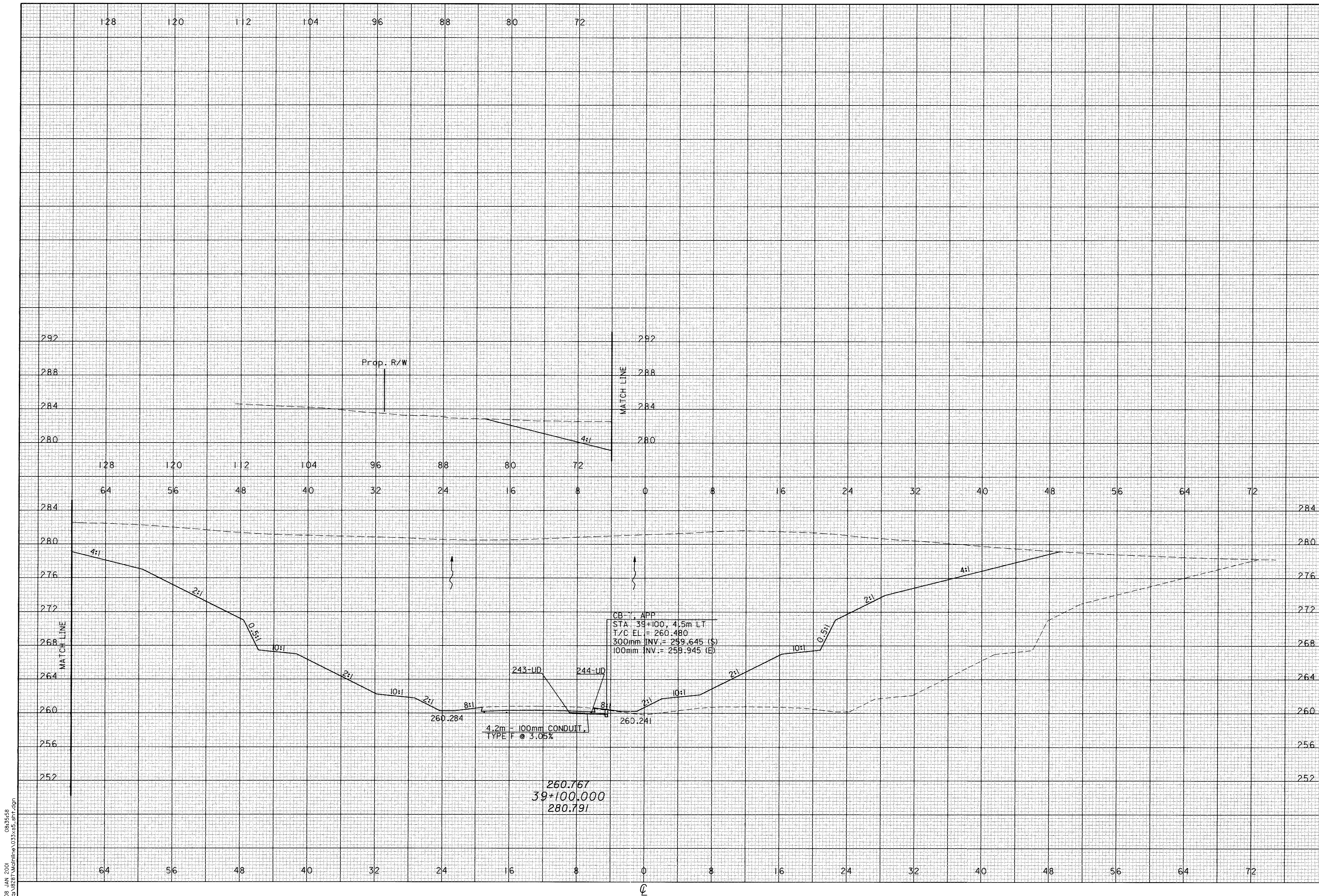
535
956

CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+100

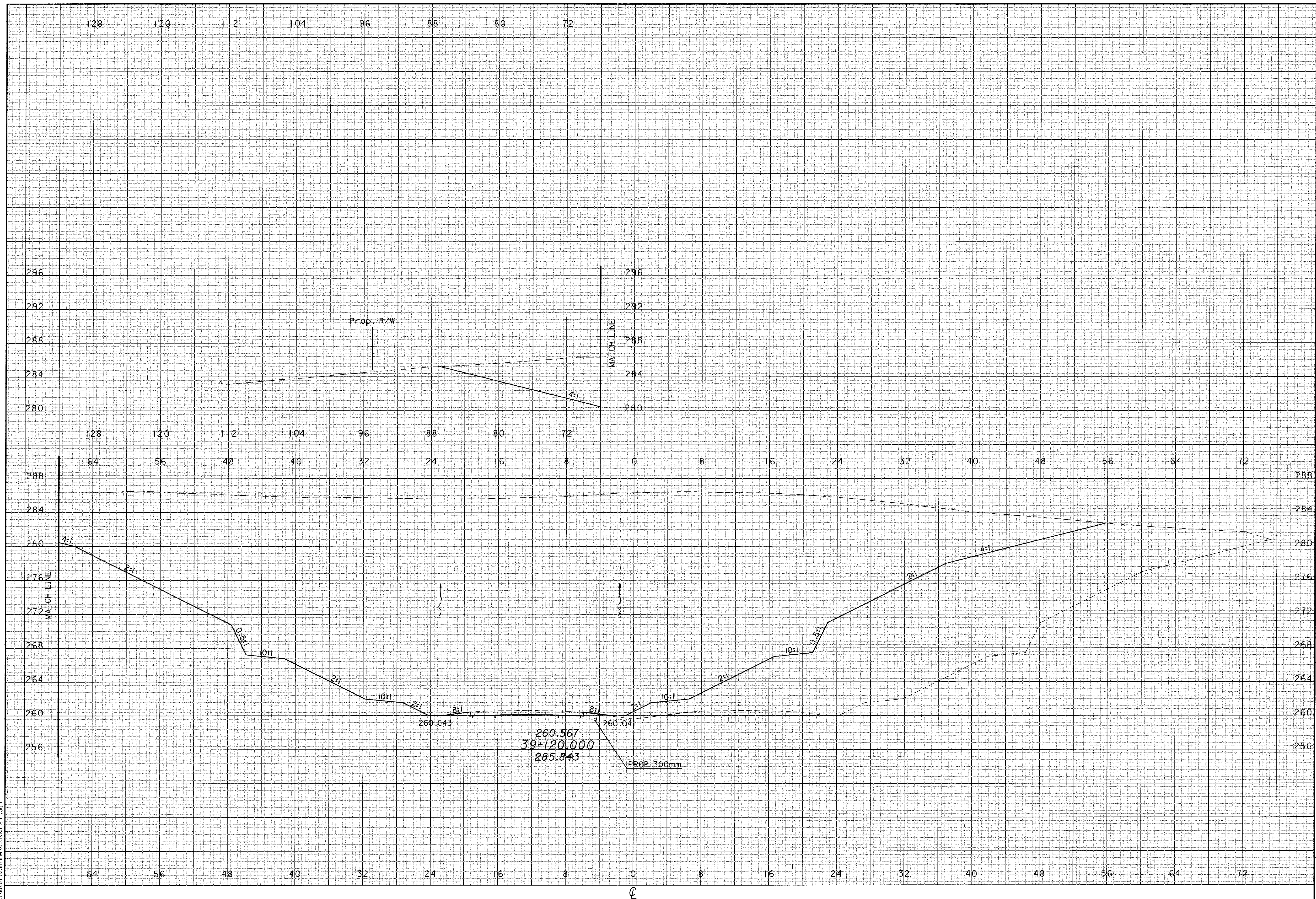
ATH-33-30.981

536
956



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08 JAN 2001 08:55:59
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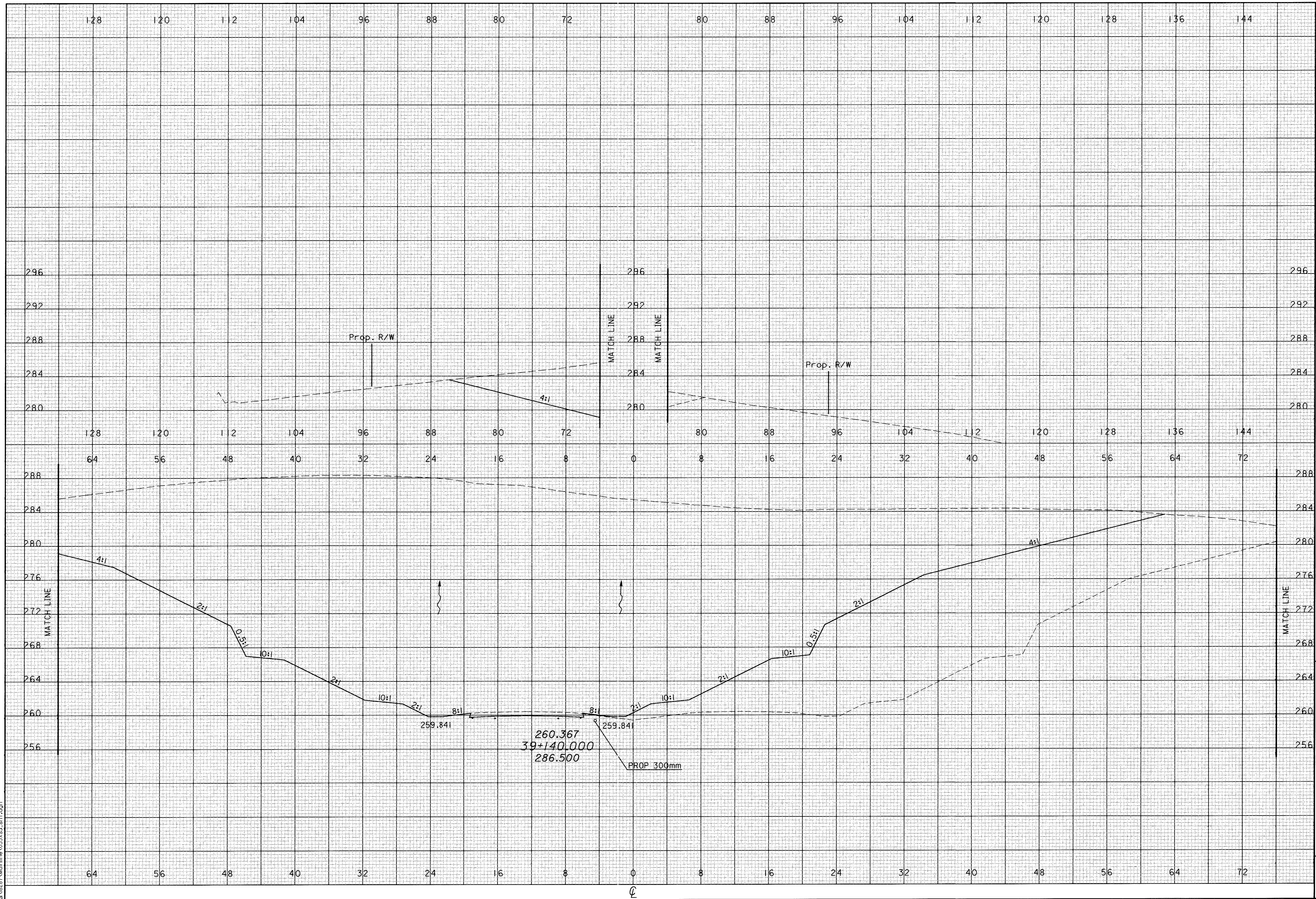
CROSS SECTIONS
STA 39+120

ATH-33-30.981

537
956

CALCULATED
PRS
CHECKED
TAL

08 JAN 2001 08:55:59
ca:\8287\Molmine\033\ss5_ah+.dgn



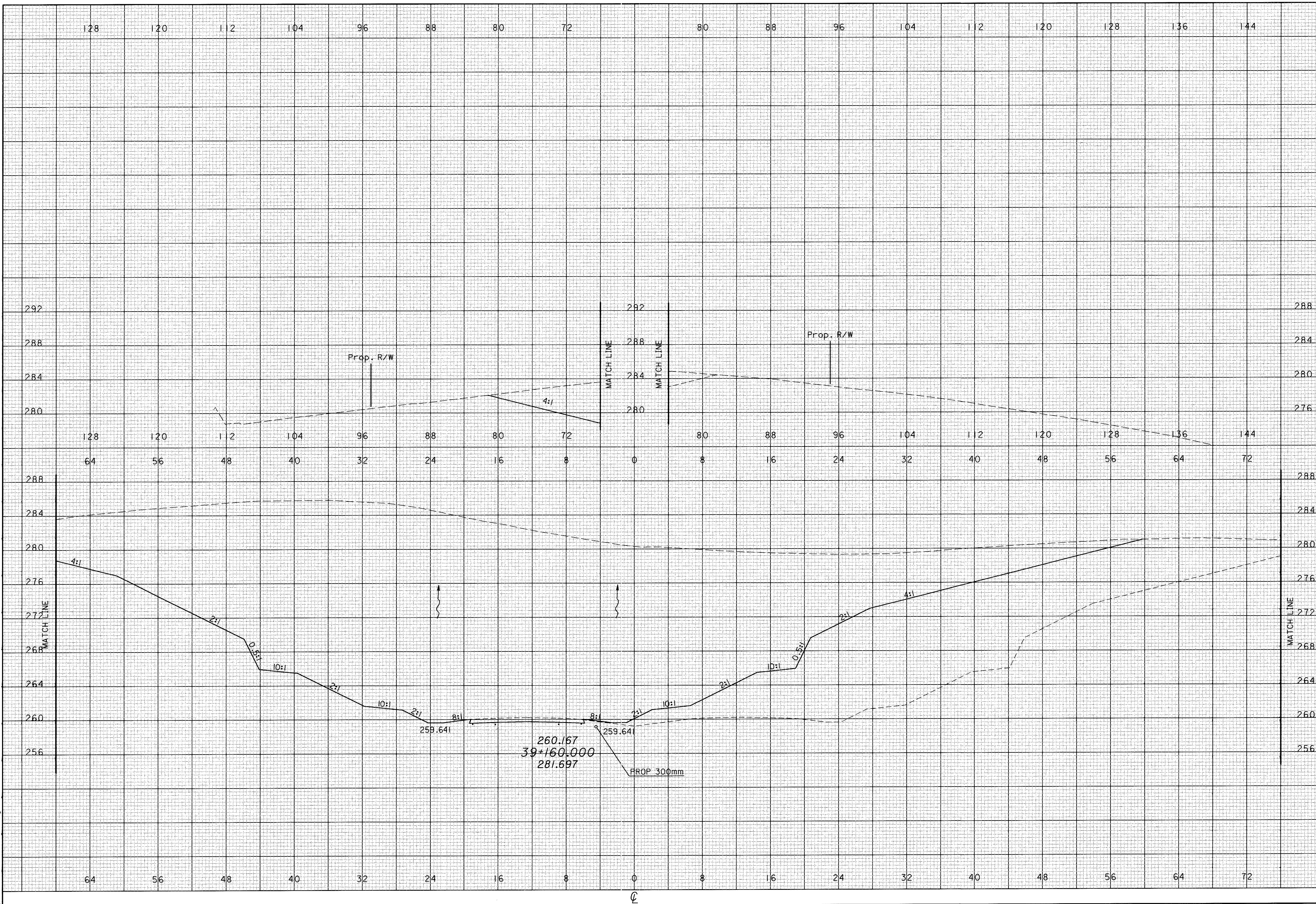
CROSS SECTIONS
STA 39+140

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

538
956

08 JAN 2001 08:35:59
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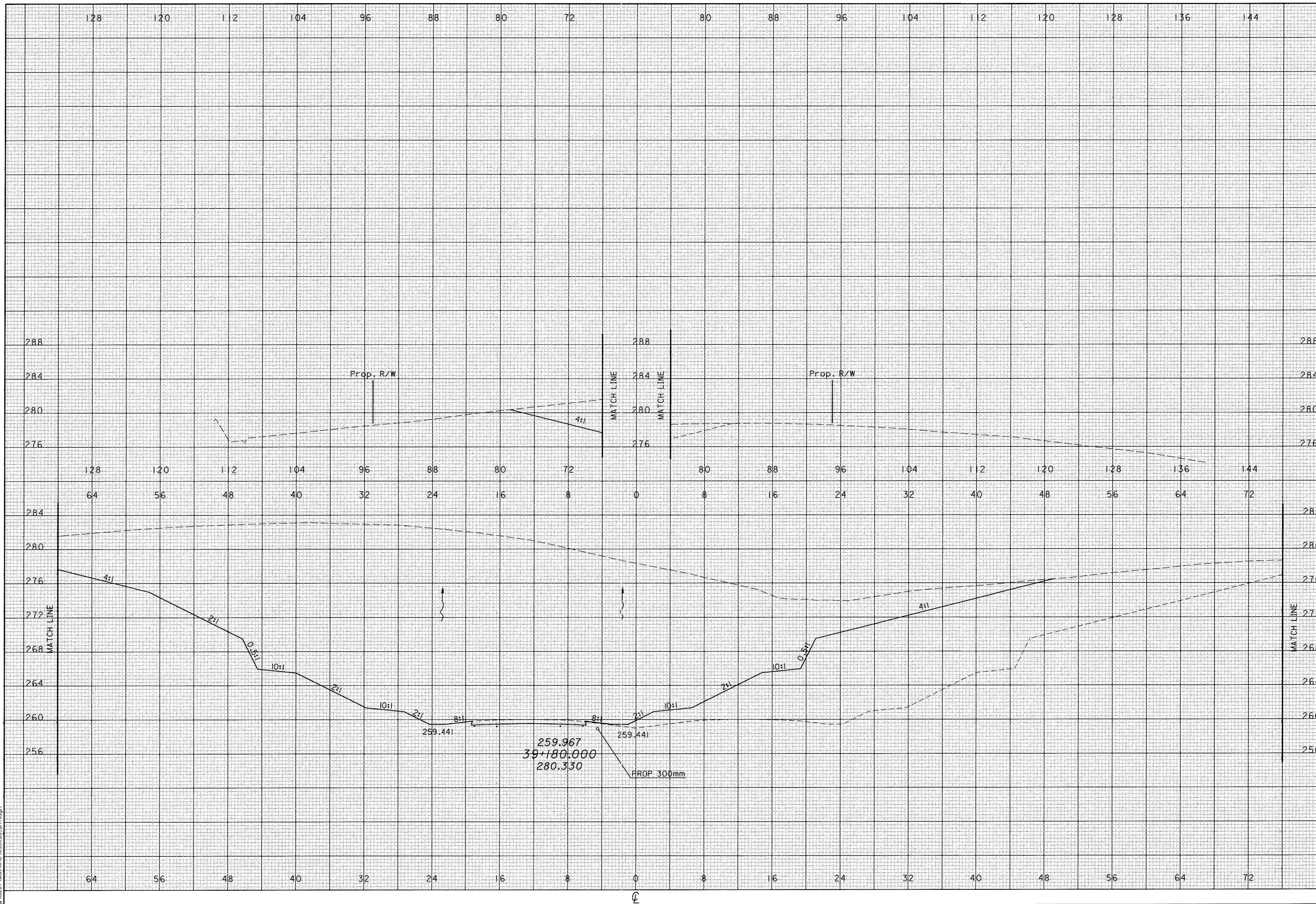
CROSS SECTIONS
STA 39+160

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

539
956

08 JAN 2001 08:35:59
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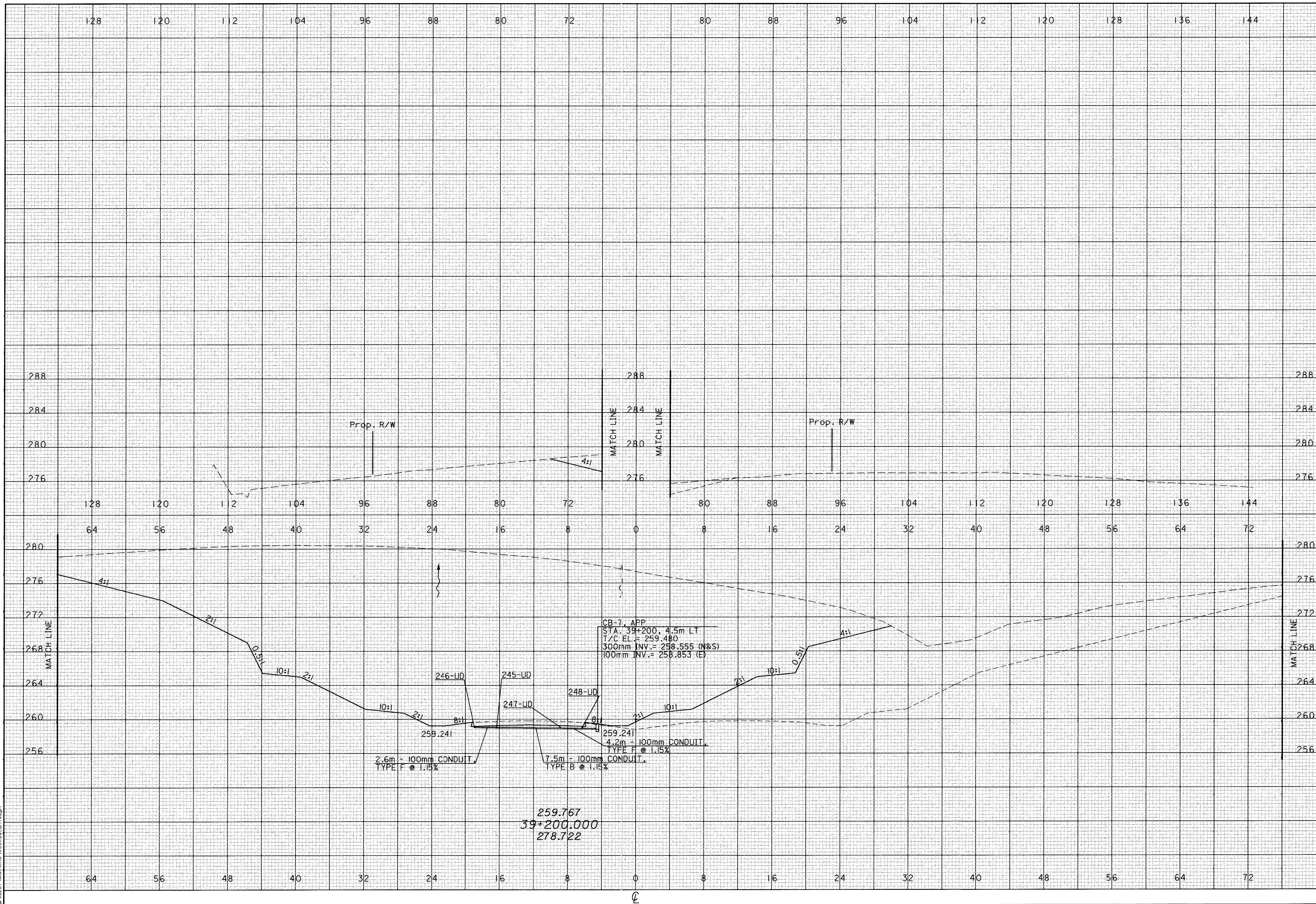
CALCULATED
PRS
CHECKED
TAL

**CROSS SECTIONS
STA 39+180**

ATH-33-30.981

540
956

08 JAN 2001 08:35:59
c:\18287\Md\line\033x55_ah1.dgn



CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+200

ATH-33-30.981

541
956

259.767
39+200.000
278.722

CB-7, APP
STA. 39+200, 4.5m LT
T/C EL. = 259.480
300mm INV. = 258.555 (N&S)
100mm INV. = 258.853 (E)

2.6m - 100mm CONDUIT
TYPE F @ 1.15%

7.5m - 100mm CONDUIT
TYPE B @ 1.15%

4.2m - 100mm CONDUIT
TYPE F @ 1.15%

Prop. R/W

Prop. R/W

MATCH LINE

MATCH LINE

288

288

288

284

284

284

280

280

280

276

276

276

280

280

280

276

276

276

272

272

272

268

268

268

264

264

264

260

260

260

256

256

256

128

120

112

104

96

88

80

72

80

88

96

104

112

120

128

136

144

128

120

112

104

96

88

80

72

80

88

96

104

112

120

128

136

144

64

56

48

40

32

24

16

8

0

8

16

24

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40

32

24

16

8

0

8

16

24

32

40

48

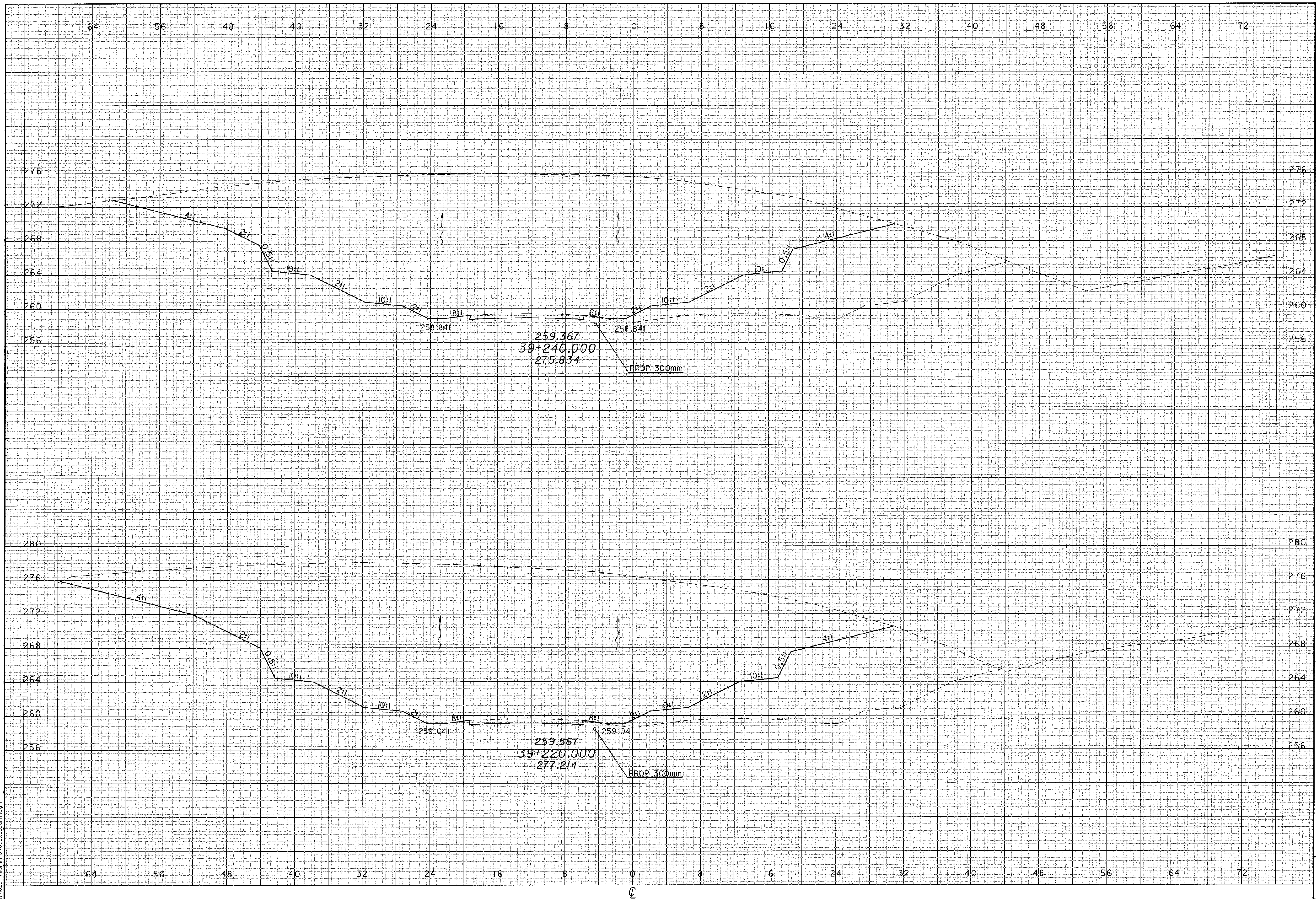
56

64

72

CL

08 JAN 2001 08:36:00
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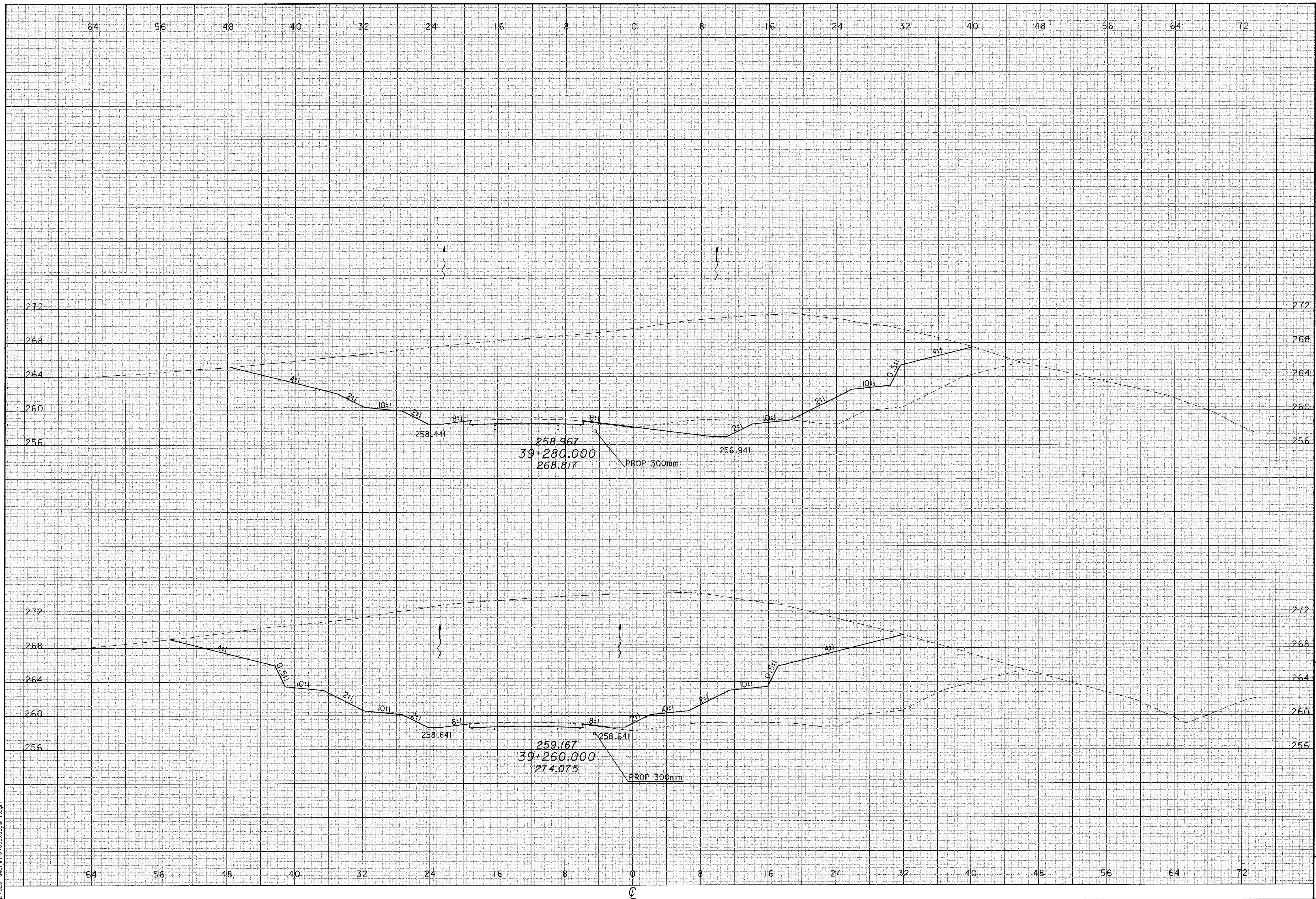


CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+220 TO STA 39+240

ATH-33-30.981

08 JAN 2001 08:36:00
ca:\8287\Mainline\033x55_sht.dgn



CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+260 TO STA 39+280

ATH-33-30.981

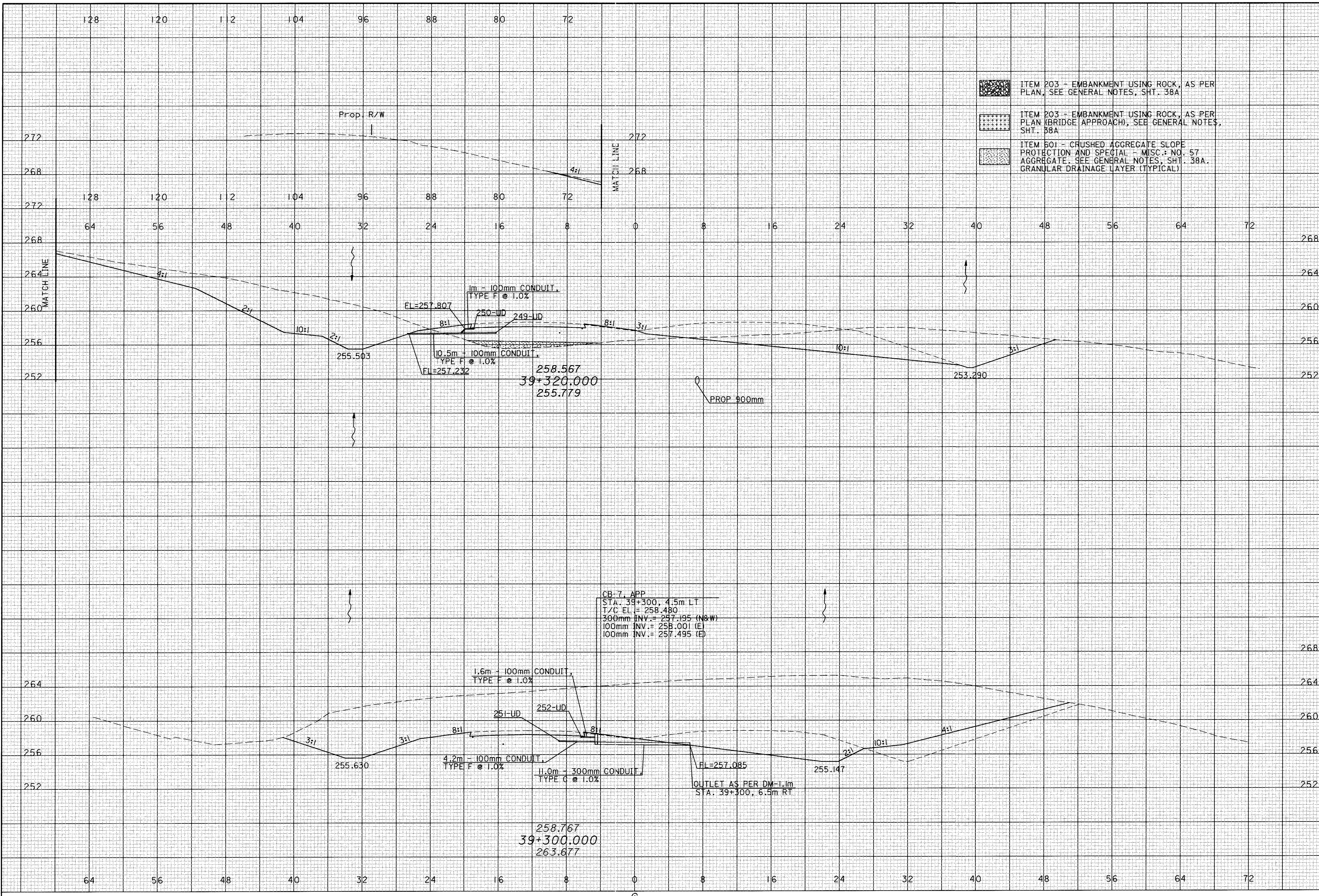
543
956

CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+300 TO STA 39+320

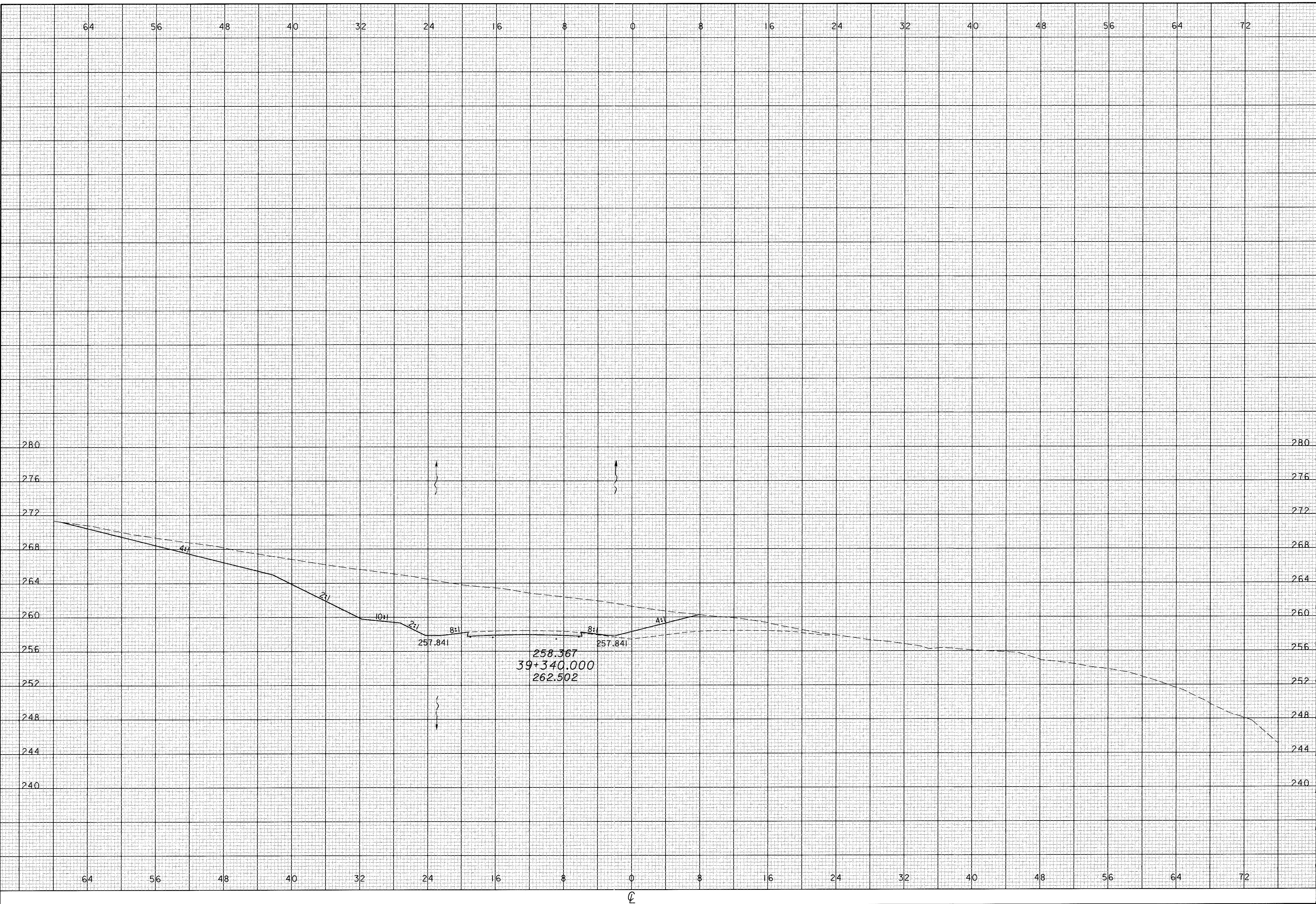
ATH-33-30.981

544
956



05 FEB 2001 19:37:07
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08 JAN 2001 08:56:00
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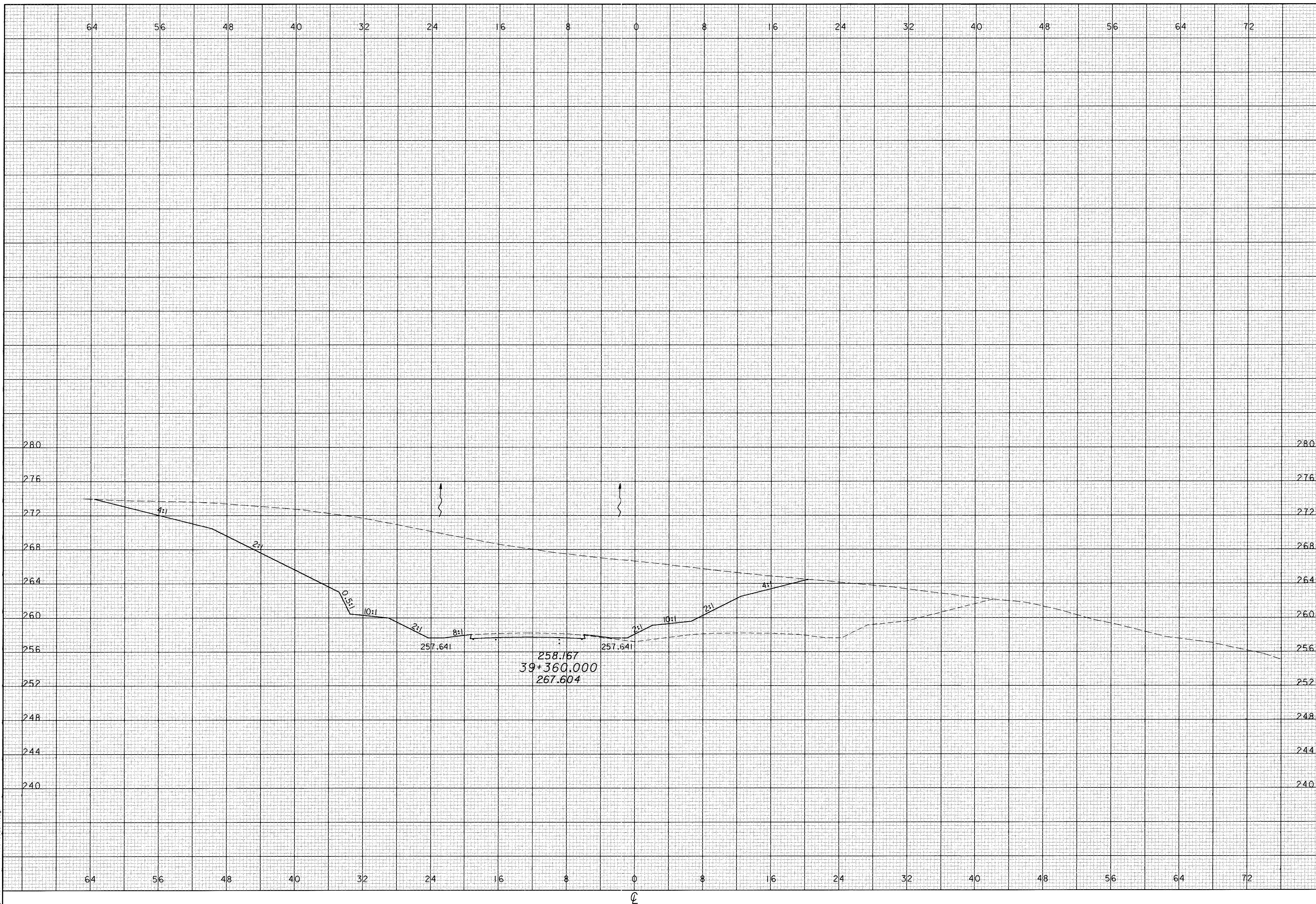
CALCULATED
PRS
CHECKED
TAL

**CROSS SECTIONS
STA 39+340**

ATH-33-30.981

545
956

08 JAN 2001 08:16:00
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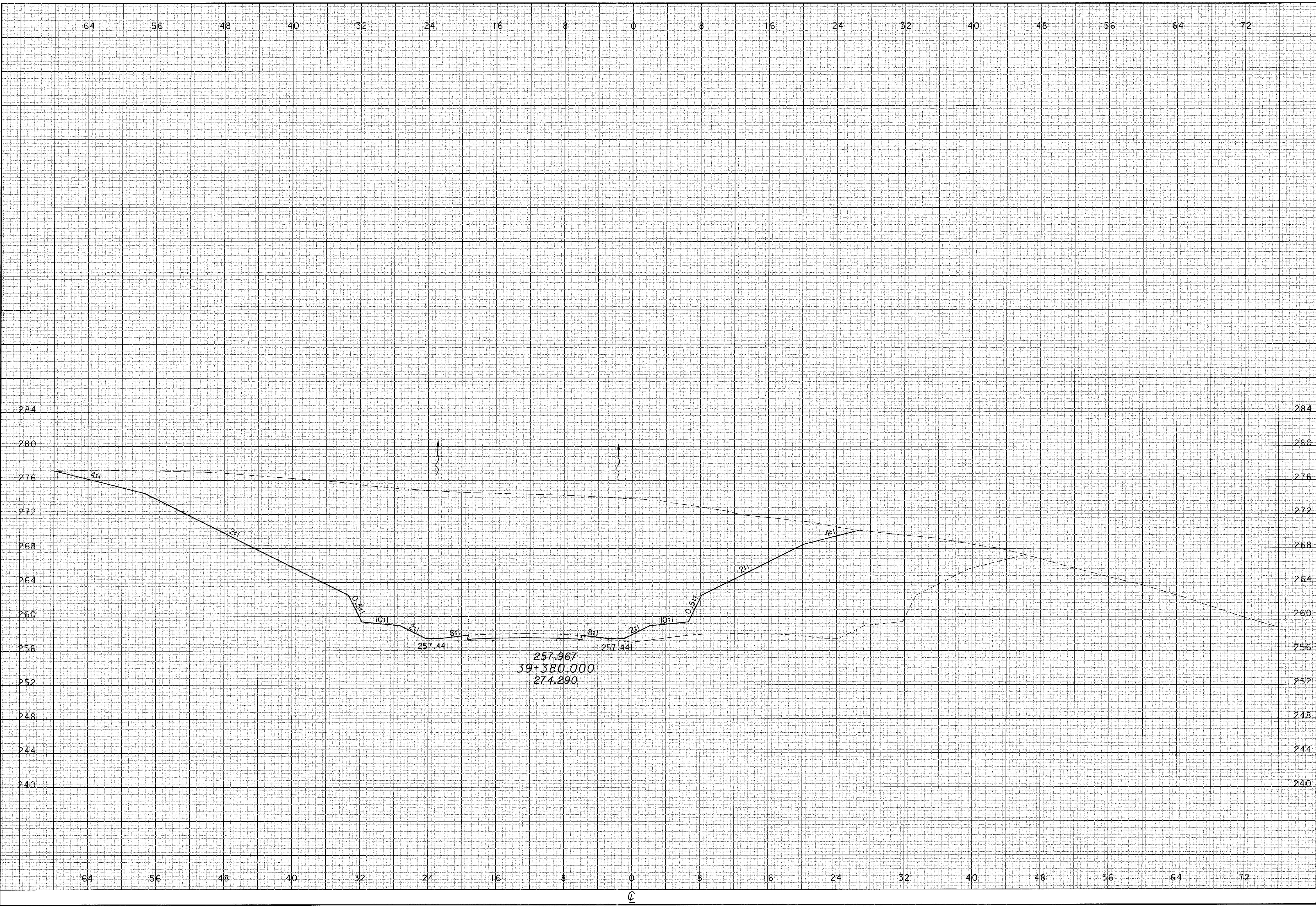


CALCULATED
PRS
CHECKED
TAL

**CROSS SECTIONS
STA 39+360**

ATH-33-30.981

546
956

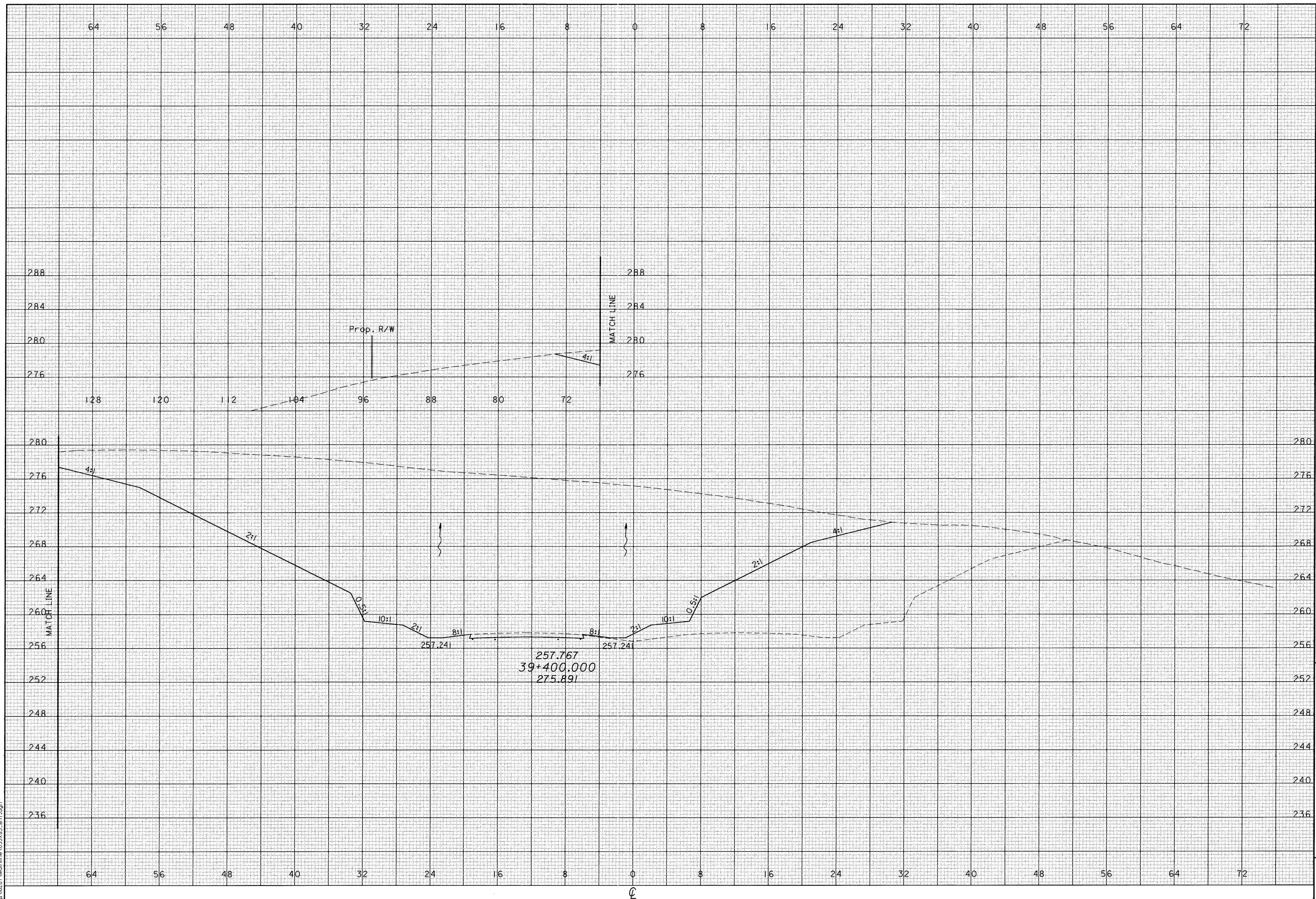


CROSS SECTIONS
STA 39+380

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

08 JAN 2001 08:36:01
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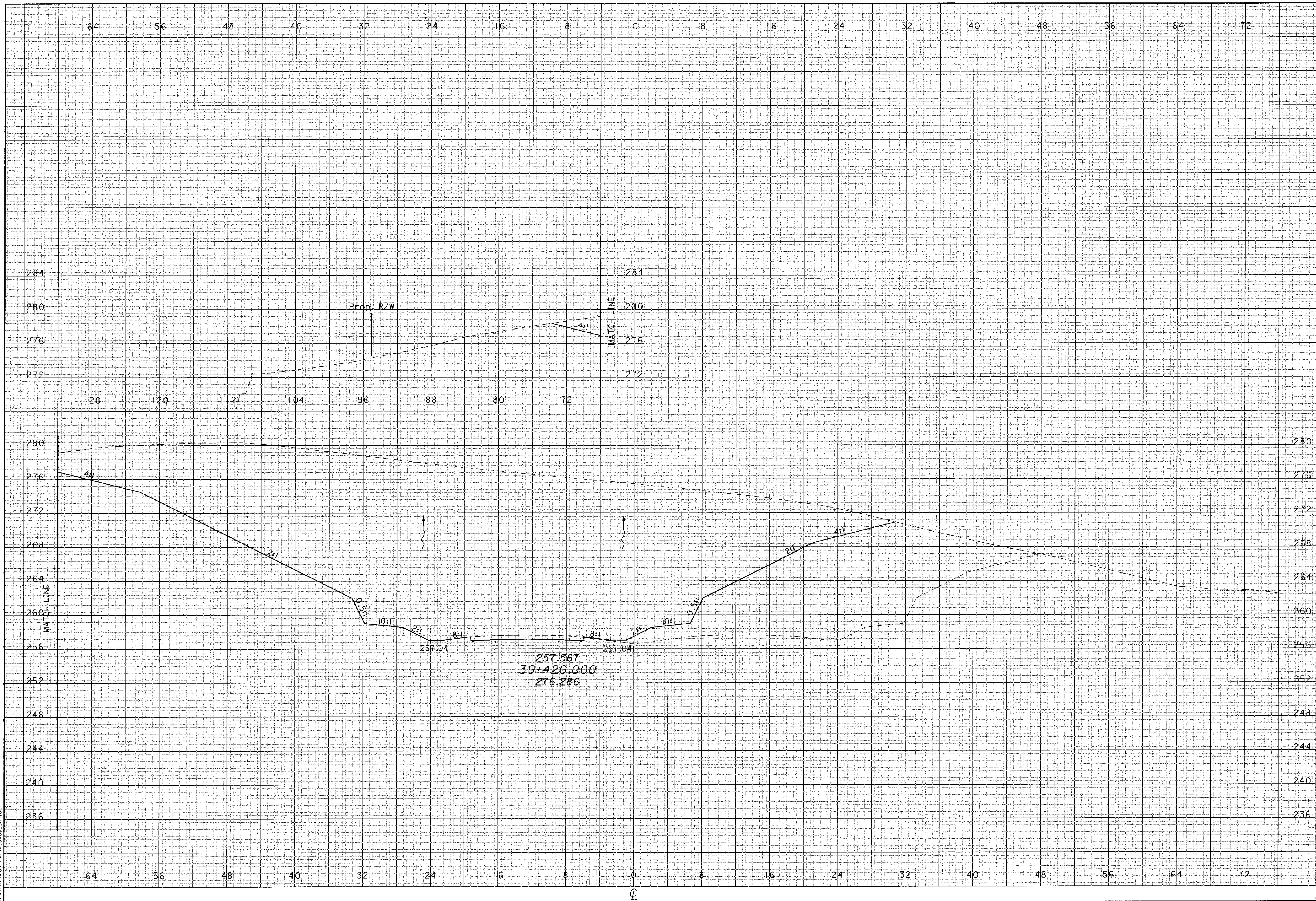


CROSS SECTIONS
STA 39+400

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

08 JAN 2001 09:36:01
C:\B2B1\Workline\033\033.dgn



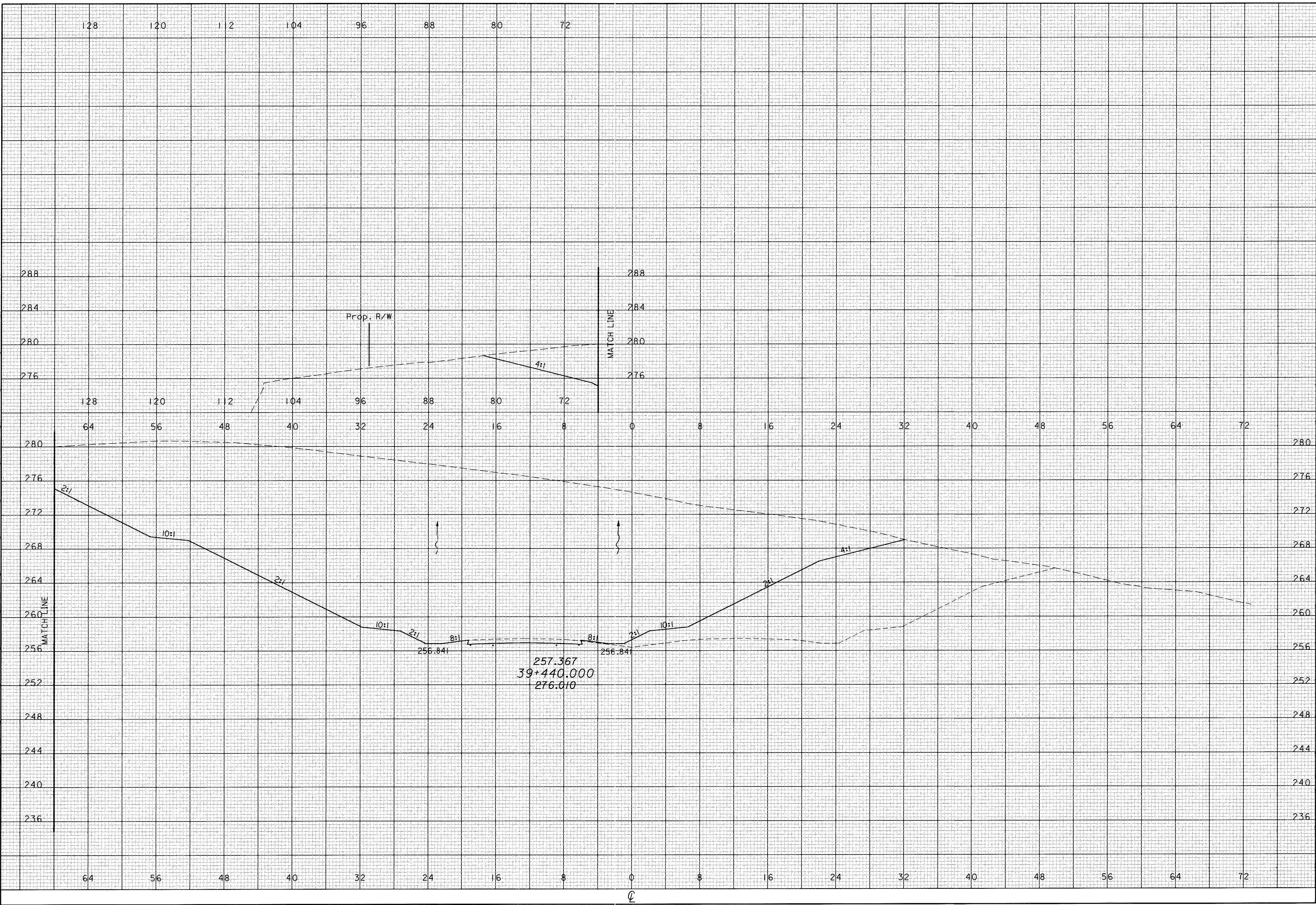
CROSS SECTIONS
STA 39+420

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

549
956

08 JAN 2001 08:15:01
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CROSS SECTIONS
STA 39+440

ATH-33-30.981

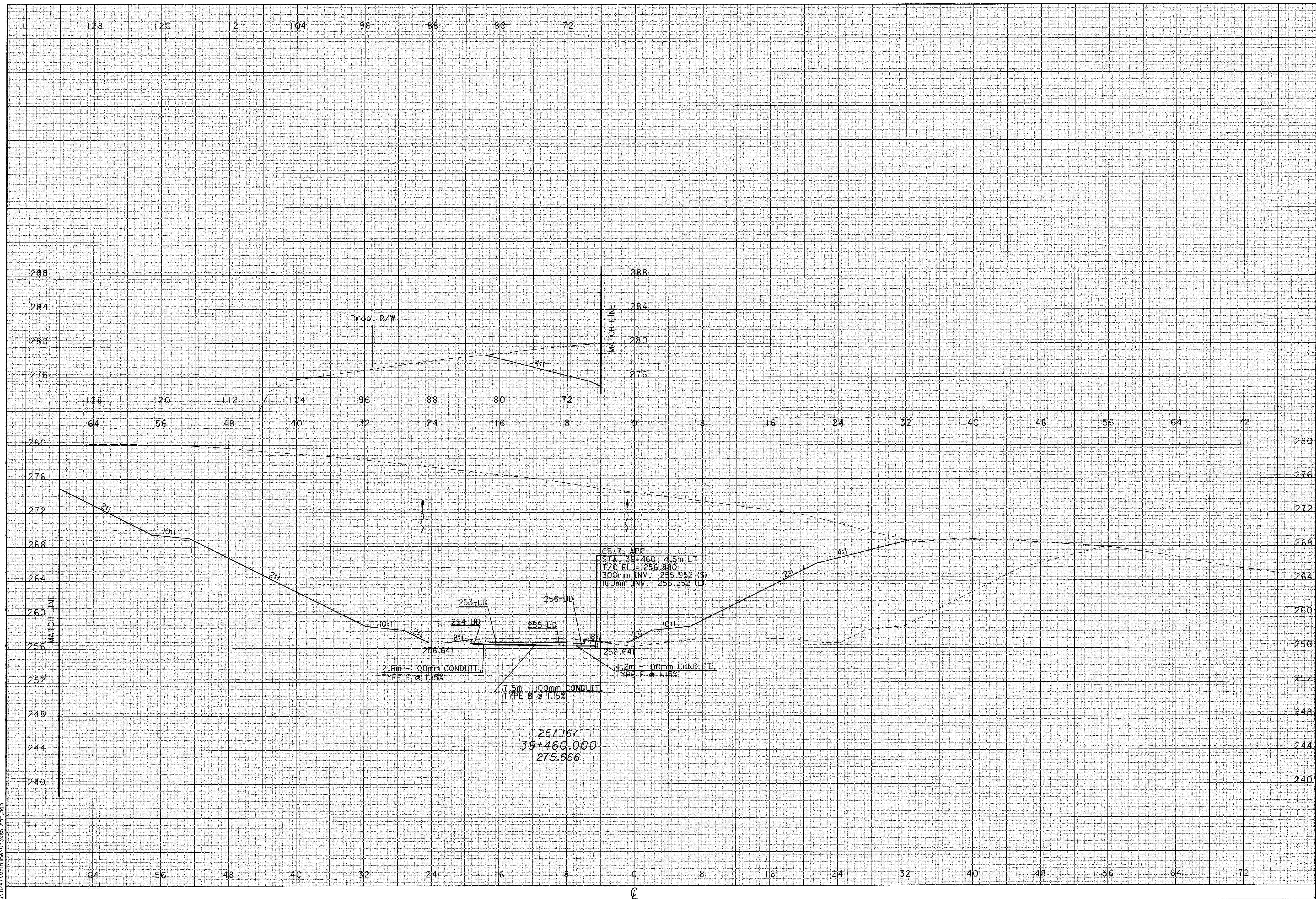
550
956

CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+460

ATH-33-30.981

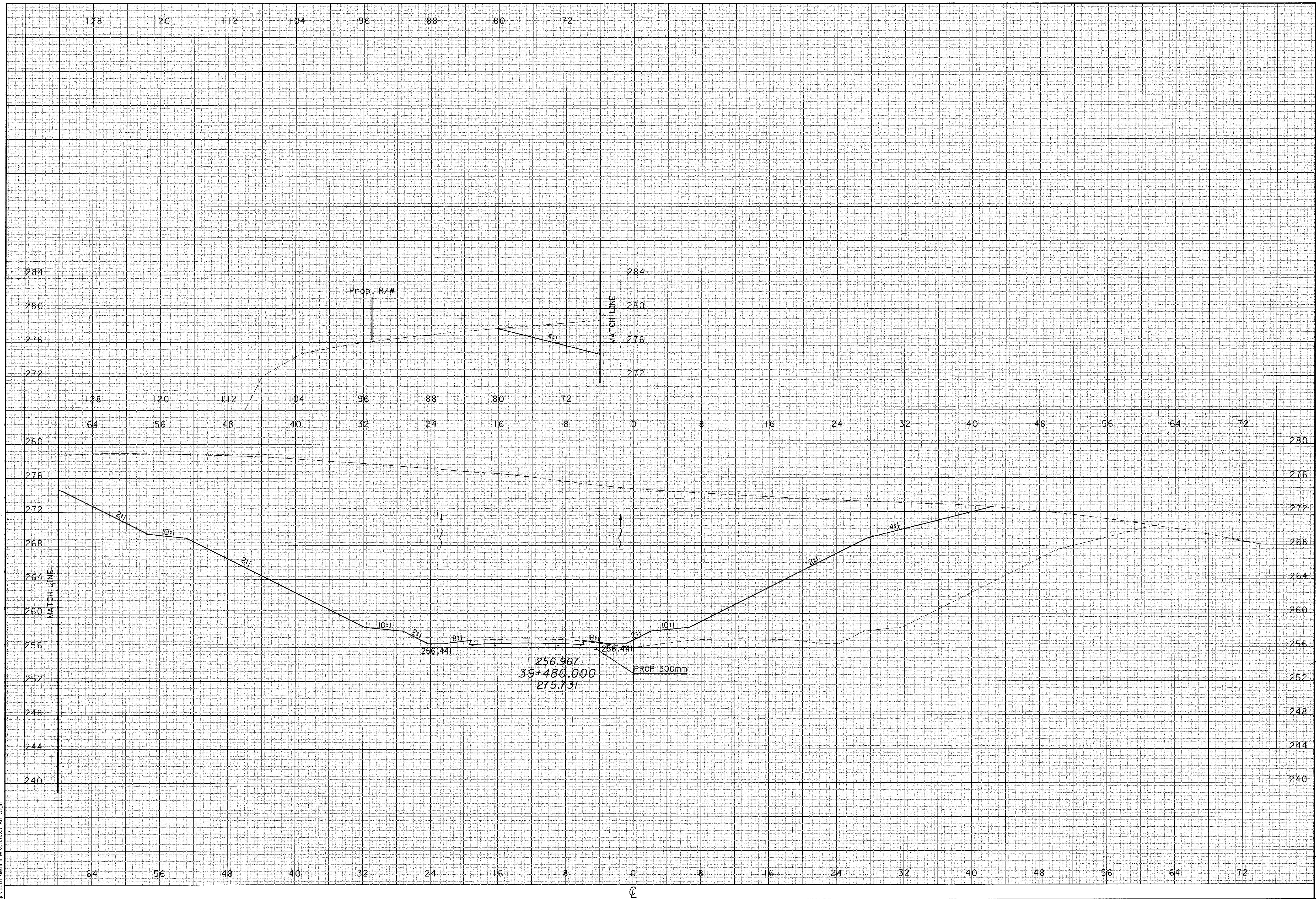
CALCULATED
PRS
CHECKED
TAL



257.167
39+460.000
275.666

08 JAN 2001 08:35:02
c:\p287\Mainline\031\35_sht.dgn

08 JAN 2001 08:36:02
ca:\8287\Mainline\033\55_sht.dgn



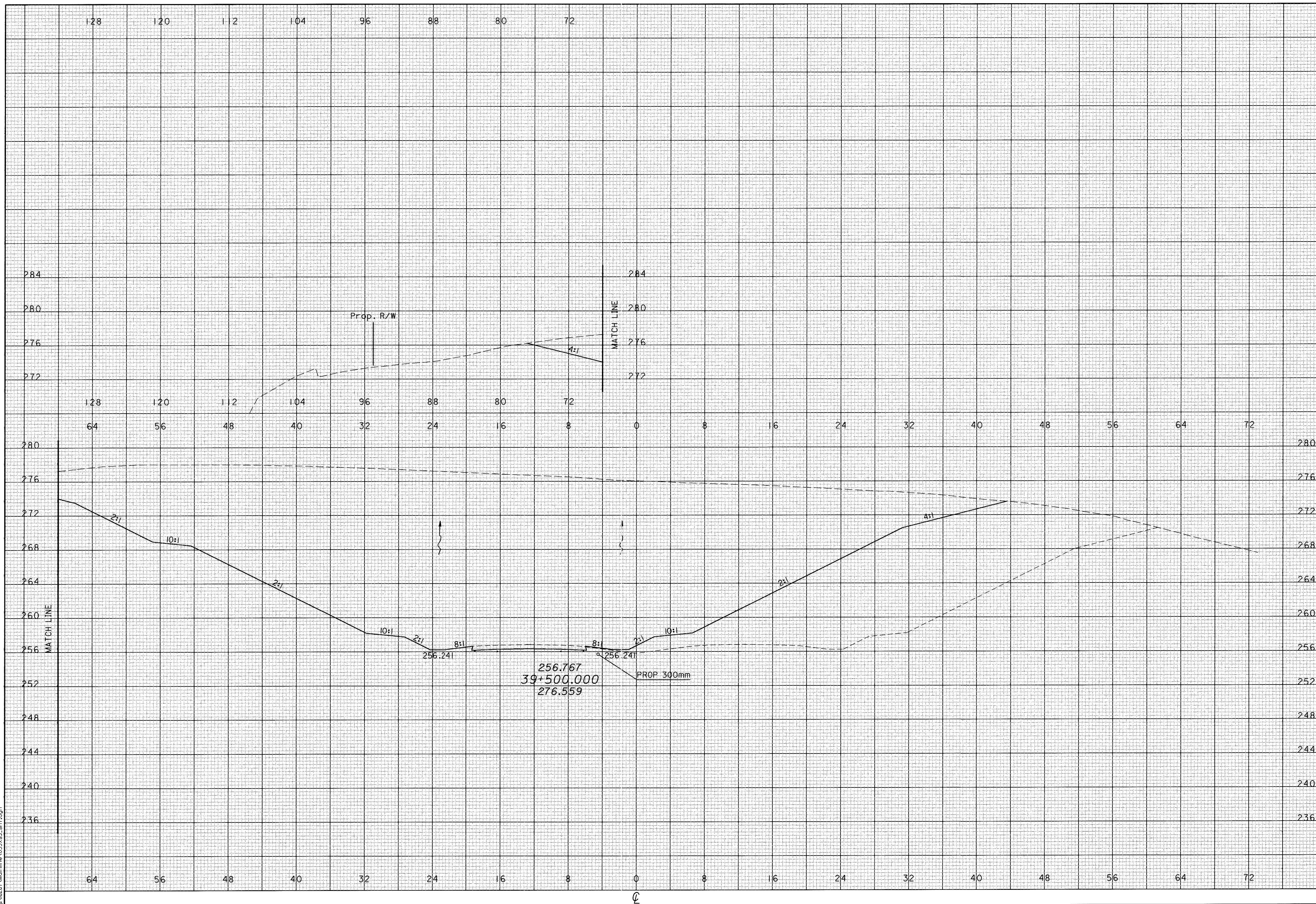
CROSS SECTIONS
STA 39+480

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

552
956

08 JAN 2001 08:36:02
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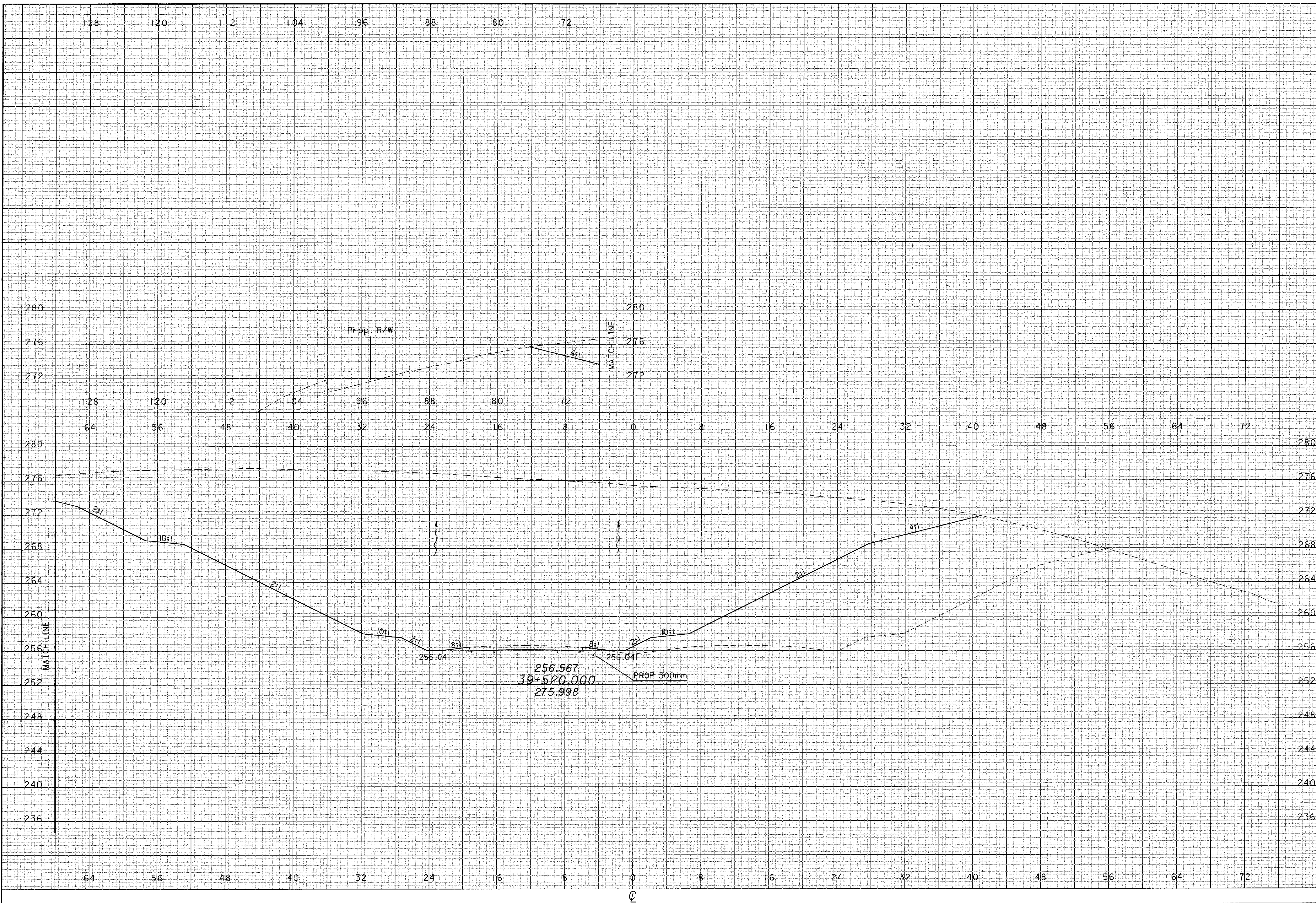


CROSS SECTIONS
STA 39+500

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

553
956

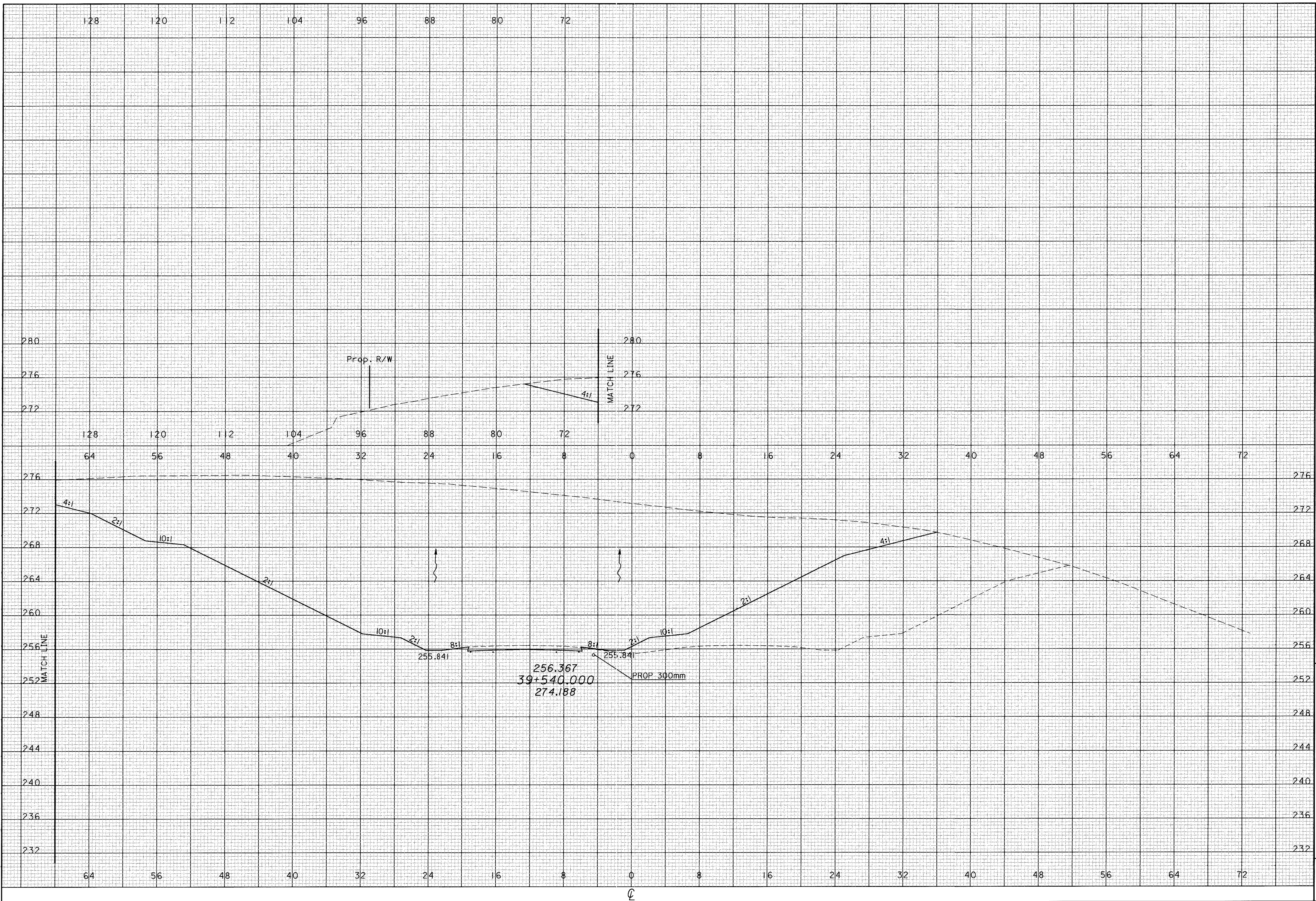


CROSS SECTIONS
STA 39+520

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

08 JAN 2001 08:36:03
c:\18287\Mo\1rfe\033\55_sht.dgn



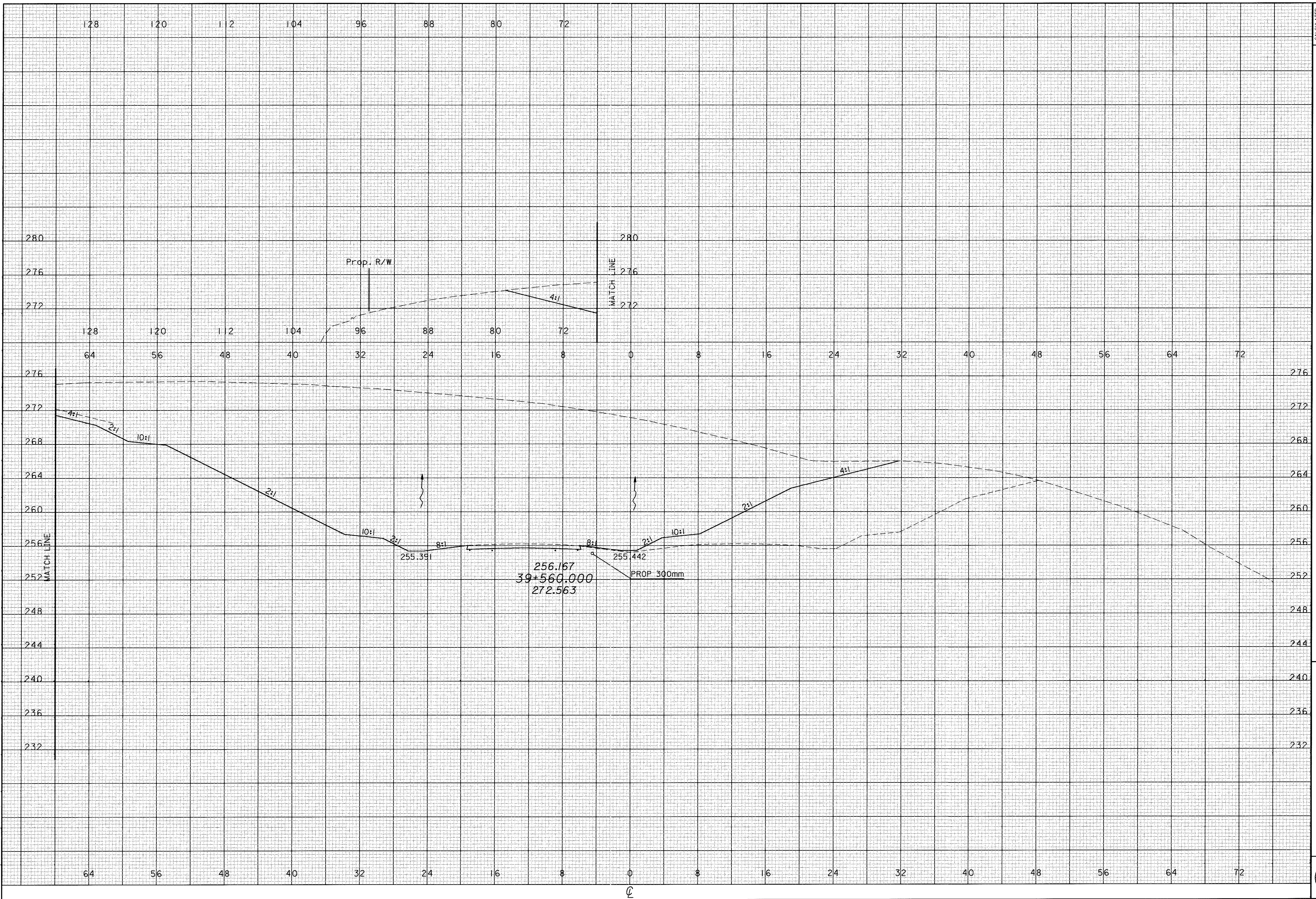
CROSS SECTIONS
STA 39+540

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL

555
956

08 JAN 2001 08:35:03
at: \\B2F7\Mainline\033x55_ah1.dgn

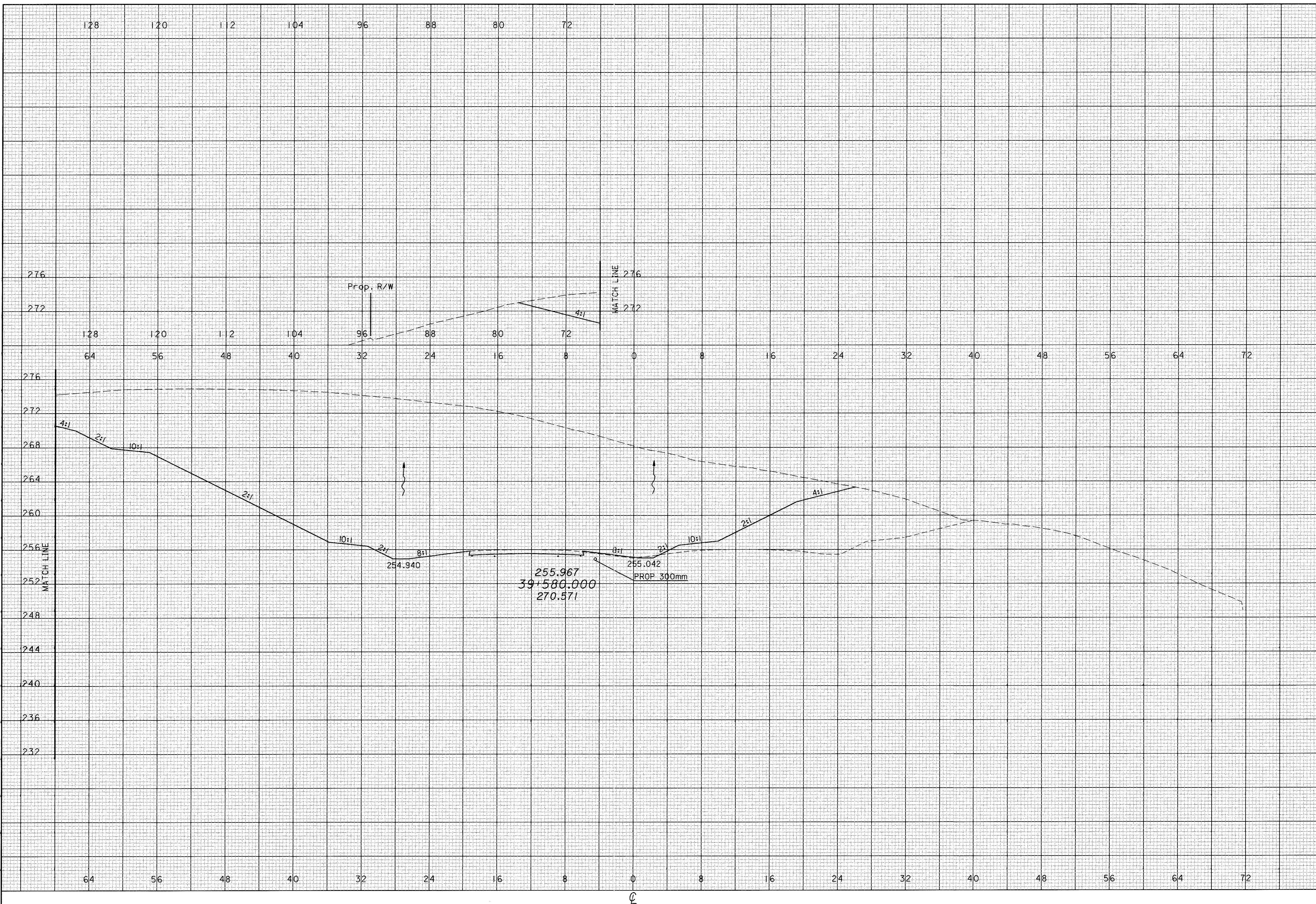


CROSS SECTIONS
STA 39+560

ATH-33-30.981

CALCULATED
PRS.
CHECKED
TAL

556
956



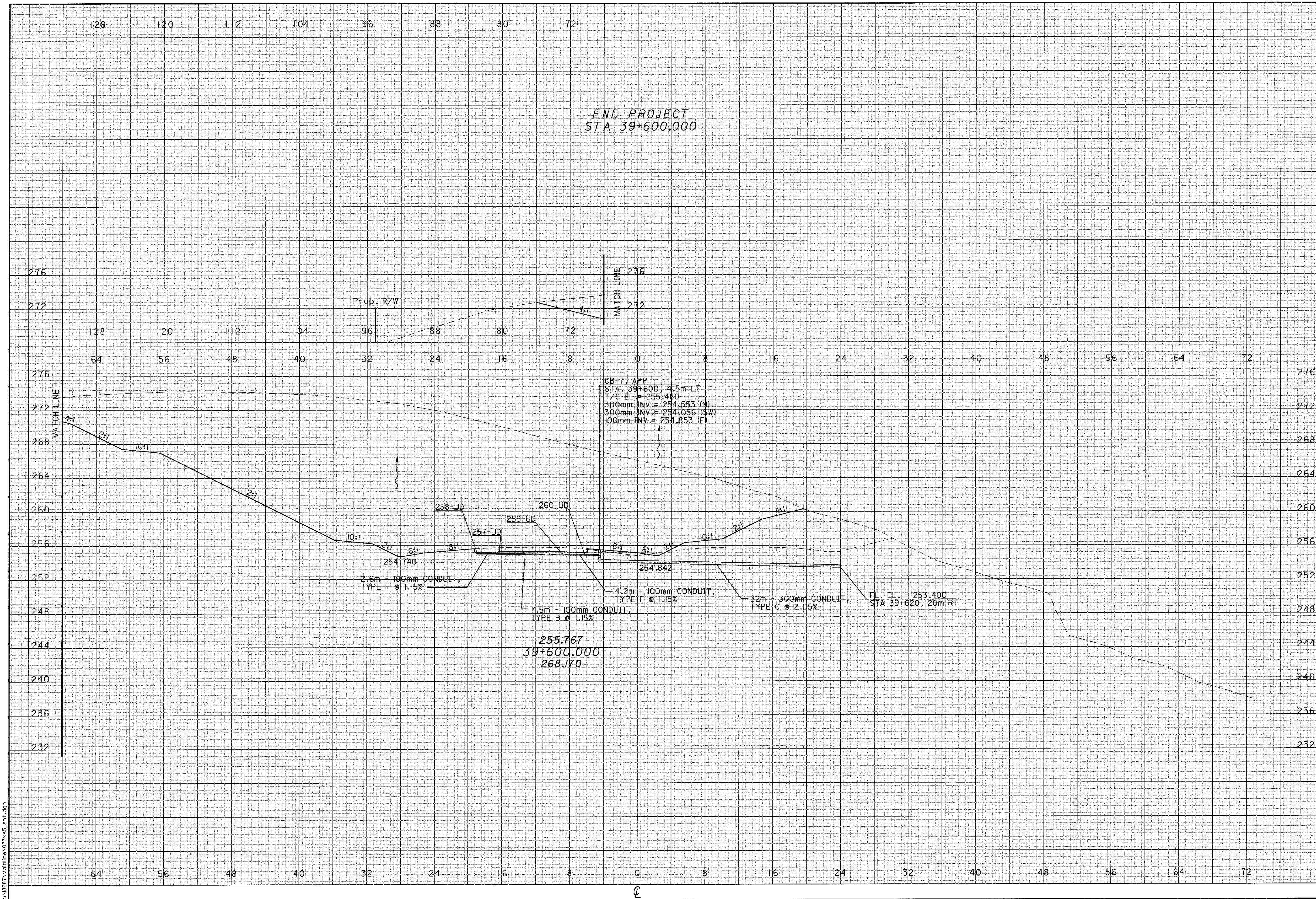
CROSS SECTIONS
STA 39+580

ATH-33-30.981

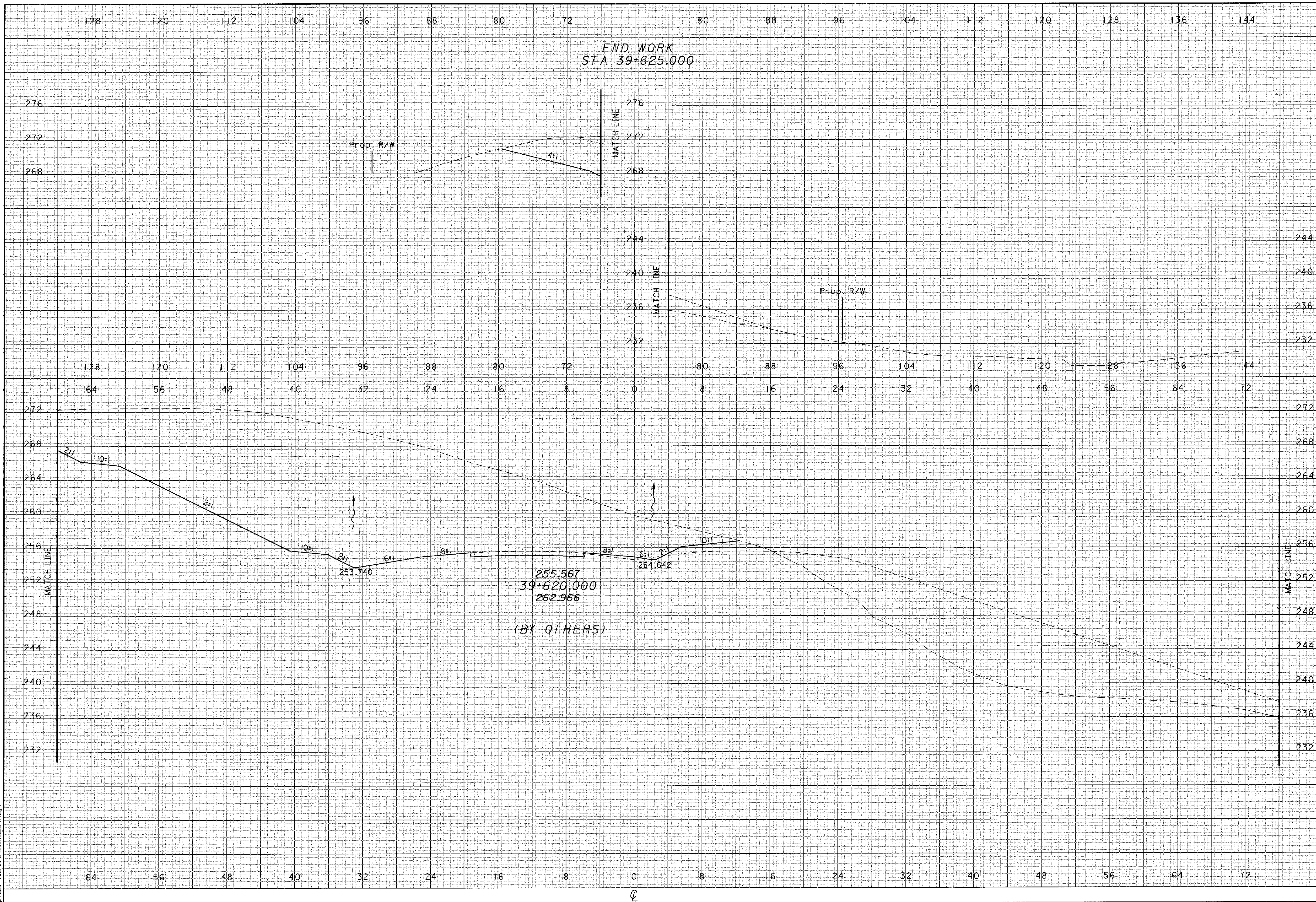
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
 STA 39+600

ATH-33-30.981



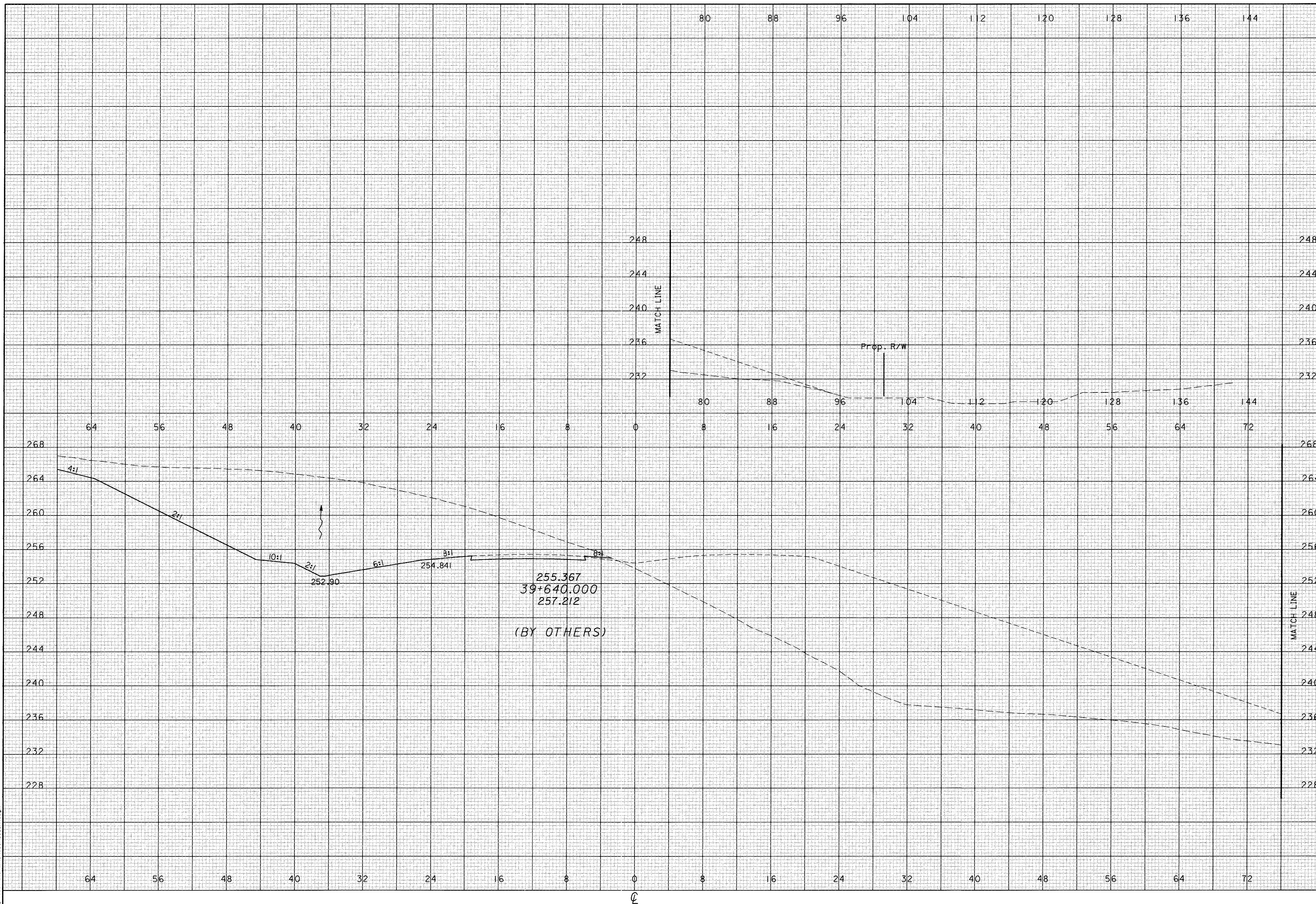
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CROSS SECTIONS
STA 39+620 (BY OTHERS)

ATH-33-30.981

CALCULATED
PRS
CHECKED
TAL



CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
STA 39+640 (BY OTHERS)

ATH-33-30.981

560
956

LINK: 0/365/00/MAIN EARTH

06 FEB 2001 13:59H
 ar-18287\docs\sscp0133.dgn

MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE			
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.		
29+010.000	0.00		0.00															
		2.72		0.69	2.72	0.69												
29+013.000	1.82		0.46															
		13.14		3.35	13.14	3.35												
29+020.000	1.94		0.50															
		37.40		15.49	37.40	15.49												
29+040.000	1.80		1.05															
		39.73		17.73	39.73	17.73												
29+060.000	2.17		0.72										7.85					
		101.70		8.80	101.70	8.80								284				
29+080.000	8.00		0.16										20.60					
		171.50		2.30	171.50	2.30								397				
29+100.000	9.15		0.07										19.13					
		178.30		1.40	178.30	1.40								380				
29+120.000	8.68		0.07										18.87					
		159.80		1.50	159.80	1.50								427				
29+140.000	7.30		0.08										23.84					
		132.00		2.90	132.00	2.90								421				
29+160.000	5.90		0.21										18.22					
		104.30		6.80	104.30	6.80								267				
29+180.000	4.53		0.47										8.46					
		90.30		7.50	90.30	7.50								150				
29+200.000	4.50		0.28										6.55					
		82.40		11.50	82.40	11.50								139				
29+220.000	3.74		0.87										7.38					
		107.70		42.00	107.70	42.00								210				
29+240.000	7.03		3.33										13.60					
		109.70		149.30	109.70	149.30								404				
29+260.000	3.94		11.60										26.82					
		55.30		387.50	55.30	387.50								595				
29+280.000	1.59		27.15										32.70					
		42.60		723.10	42.60	723.10								797				
29+300.000	2.67		45.16										47.03					
		81.10		1149.10	81.10	1149.10								1648				
29+320.000	5.44		69.75										117.79					
		149.30		1623.20	149.30	1623.20								2515				
29+340.000	9.49		92.57										133.67					
		405.20		2082.80	405.20	2082.80								2884				
29+360.000	31.03		115.71										154.72					
		1052.40		2430.00	1052.40	2430.00								3317				
29+380.000	74.21		127.29										177.03					
		1869.40		2571.60	1869.40	2571.60								3784				
29+400.000	112.73		129.87										201.41					
		2815.80		2541.50	2815.80	2541.50								4170				
29+420.000	168.85		124.28										215.55					
		4088.10		2240.70	4088.10	2240.70								4435				
29+440.000	239.96		99.79						0.00				228.00					
		5241.90		2101.10	5241.90	2016.80				84.30				4296				
29+460.000	284.23		110.32						8.43				201.63					
		4994.20		3967.40	4994.20	1033.90				2933.50				2954				
29+480.000	215.19		286.42				0.00		284.92				93.79					
		2412.00		6901.80	2412.00	15.05		78.45		6808.30				1590				
SHEET TOTAL CARRIED TO SHEET 581					24537.99	19086.51		78.45		9826.10				36066				

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 29+010.000 TO STA. 29+480.000**

ATH-33-30.981

561
956

CALCULATED
SSC
CHECKED
TAL

MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
29+500.000	26.01		403.76					7.85		395.91				65.22				
		461.50		5141.70	461.50	143.31			195.79		4802.60				1364			
29+520.000	20.14		110.41					11.73		84.35				71.20				
		0.00		0.00	0.00	0.00			0.00		0.00				0.00			
29+540.000	78.93		0.00					0.00		0.00				38.40				
		4037.99		2374.30	4037.99	0.00			0.00		2374.30				1372			
29+560.000	324.87		237.43					0.00		237.43				98.82				
		9328.00		4175.70	9328.00	433.91			33.19		3708.60				2046			
29+580.000	607.93		180.14					3.32		133.43				105.73				
		16115.64		2063.90	16115.64	619.59			110.01		1334.30				2298			
29+600.000	1003.63		26.25					7.68		0.00				124.09				
		27250.54		262.50	27250.54	262.50			76.82						2545			
29+620.000	1721.42		0.00					0.00						130.37				
		37000.30		0.00	37000.30	0.00									2663			
29+640.000	1978.61		0.00											135.94				
		42442.10		0.00	42442.10	0.00									2801			
29+660.000	2265.60		0.00											144.21				
		50617.50		0.00	50617.50	0.00									3212			
29+680.000	2796.15		0.00											177.04				
		60242.70		0.00	60242.70	0.00									3602			
29+700.000	3228.12		0.00											183.13				
		69442.00		0.00	69442.00	0.00									3632			
29+720.000	3716.08		0.00											180.06				
		76914.90		0.00	76914.90	0.00									3614			
29+740.000	3975.41		0.00											181.35				
		80119.50		0.00	80119.50	0.00									3578			
29+760.000	4036.54		0.00											176.44				
		84201.00		0.00	84201.00	0.00									3587			
29+780.000	4383.56		0.00											182.22				
		91156.10		0.00	91156.10	0.00									3723			
29+800.000	4732.05		0.00											190.10				
		93672.40		0.00	93672.40	0.00									3741			
29+820.000	4635.19		0.00											183.96				
		90120.90		0.00	90120.90	0.00									3660			
29+840.000	4376.90		0.00											182.07				
		83504.40		0.00	83504.40	0.00									3618			
29+860.000	3973.54		0.00											179.73				
		74285.50		0.00	74285.50	0.00									3499			
29+880.000	3455.01		0.00											170.17				
		66933.90		0.00	66933.90	0.00									3275			
29+900.000	3238.38		0.00											157.28				
		65135.60		0.00	65135.60	0.00									3171			
29+920.000	3275.18		0.00											159.79				
		66149.40		0.00	66149.40	0.00									3268			
29+940.000	3339.76		0.00											167.01				
		67419.50		0.00	67419.50	0.00									3344			
29+960.000	3402.19		0.00											167.37				
		68723.90		0.00	68723.90	0.00									3332			
29+980.000	3470.20		0.00											165.83				
		68493.00		0.00	68493.00	0.00									3288			
30+000.000	3379.10		0.00											162.96				
		64303.60		0.00	64303.60	0.00									3208			
SHEET TOTAL CARRIED TO SHEET 581					1458071.87	1459.31			415.81		12219.80				77440			

CALCULATED SSC CHECKED TAL
ESTIMATED CROSS SECTION QUANTITIES
STA. 29+500.000 TO STA. 30+000.000

ATH-33-30.981

C

C

LINK: 0/365/00/MAIN EARTH

C

C

06 FEB 2001 13:59:57
q:\N8287\docs\cesq01u33.dgn

MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
30+020.000	3051.26		0.00										157.83				
		59112.80		0.00	59112.80	0.00								3086			
30+040.000	2860.02		0.00										150.79				
		55763.00		0.00	55763.00	0.00								3036			
30+060.000	2716.28		0.00										152.79				
		55500.00		0.00	55500.00	0.00								3133			
30+080.000	2833.72		0.00										160.55				
		55733.50		0.00	55733.50	0.00								3197			
30+100.000	2739.63		0.00										159.16				
		49690.30		0.00	49690.30	0.00								3054			
30+120.000	2229.40		0.00										146.20				
		37990.00		14.00	37990.00	14.00								3066			
30+140.000	1569.60		1.40										160.43				
		25583.50		61.80	25583.50	61.80								3003			
30+160.000	988.75		4.78				0.00						139.82				
		15292.70		556.50	15292.70	512.50		44.00						2573			
30+180.000	540.52		50.87				4.40						117.45				
		8777.20		1104.40	8777.20	977.70		126.70						2095			
30+200.000	337.20		59.57				8.27						92.06				
		5406.30		973.90	5406.30	833.10		140.80						1746			
30+220.000	203.43		37.82				5.81						82.58				
		3621.10		410.00	3621.10	351.90		58.10						1434			
30+240.000	158.68		3.18				0.00						60.77				
		4940.10		31.80	4940.10	31.80								1571			
30+260.000	335.33		0.00										96.28				
		7975.10		0.00	7975.10	0.00								1911			
30+280.000	462.18		0.00										94.87				
		10944.20		0.00	10944.20	0.00								2189			
30+300.000	632.24		0.00										124.06				
		15716.20		0.00	15716.20	0.00								2477			
30+320.000	939.38		0.00										123.68				
		20380.60		0.00	20380.60	0.00								2146			
30+340.000	1098.68		0.00										90.96				
		25642.00		0.00	25642.00	0.00								1998			
30+360.000	1465.52		0.00										108.88				
		33867.90		0.00	33867.90	0.00								2398			
30+380.000	1921.27		0.00										130.96				
		45992.30		0.00	45992.30	0.00								2793			
30+400.000	2677.96		0.00										148.36				
		59653.20		0.00	59653.20	0.00								3054			
30+420.000	3287.36		0.00										157.06				
		72994.40		0.00	72994.40	0.00								3213			
30+440.000	4012.08		0.00										164.26				
		79428.00		0.00	79428.00	0.00								3564			
30+460.000	3930.72		0.00										192.15				
		74801.90		0.00	74801.90	0.00								3704			
30+480.000	3549.47		0.00										178.27				
		65810.00		0.00	65810.00	0.00								3424			
30+500.000	3031.53		0.00										164.10				
		55603.80		0.00	55603.80	0.00								3129			
30+520.000	2528.85		0.00										148.80				
		43554.90		0.00	43554.90	0.00								2875			
SHEET TOTAL CARRIED TO SHEET 581					989775.00	2782.80		369.60						69871			

CALCULATED SSC	CHECKED TAL
ESTIMATED CROSS SECTION QUANTITIES STA. 30+020.000 TO STA. 30+520.000	
ATH-33-30.981	
563	956

LINK: 0/3651/00/MAIN EARTH

07 FEB 2001 09:38:08
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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
30+540.000	1826.64		0.00											138.66				
		30186.50		0.00	30186.50	0.00									2485			
30+560.000	1192.01		0.00											109.82				
		19811.30		0.00	19811.30	0.00									2048			
30+580.000	789.12		0.00											95.01				
		12708.10		0.00	12708.10	0.00									1698			
30+600.000	481.69		0.00											74.79				
		6615.60		0.00	6615.60	0.00									1208			
30+620.000	179.87		0.00											45.99				
		1848.00		369.80	1848.00	369.80									887			
30+640.000	4.93		36.98				0.00							42.73				
		69.10		3266.10	69.10	3212.80		53.30							1162			
30+660.000	1.98		289.63				5.33							73.44				
		35.80		8005.90	35.80	7900.50		105.40							1561			
30+680.000	1.60		510.96				5.21							82.71				
		38.80		14143.70	38.80	14036.80		106.90							1900			
30+700.000	2.28		903.41				5.48							107.26				
		261.30		24065.10	261.30	24010.30		54.80							2448			
30+720.000	23.85		1503.10				0.00							137.56				
		255.80		32060.00	255.80	32060.00									2705			
30+740.000	1.73		1702.90											132.92				
		30.20		31061.50	30.20	31061.50									2628			
30+760.000	1.29		1403.25											129.90				
		21.50		25063.10	21.50	25063.10									2485			
30+780.000	0.86		1103.06											118.55				
		20.00		19291.90	20.00	19291.90									2248			
30+800.000	1.14		826.13											106.26				
		22.30		14044.90	22.30	14044.90									1883			
30+820.000	1.09		578.36											82.07				
		22.80		9403.00	22.80	9403.00									1503			
30+840.000	1.19		361.94											68.19				
		23.00		5463.00	23.00	5463.00									1184			
30+860.000	1.11		184.36											50.21				
		480.90		2180.40	480.90	2180.40									1037			
30+880.000	46.98		33.68											53.47				
		3050.70		336.80	3050.70	336.80									1115			
30+900.000	258.09		0.00											58.03				
		8167.50		0.00	8167.50	0.00									1417			
30+920.000	558.66		0.00											83.68				
		14337.80		0.00	14337.80	0.00									1584			
30+940.000	875.12		0.00											74.68				
		20554.00		0.00	20554.00	0.00									1405			
30+960.000	1180.28		0.00											65.82				
		26039.20		0.00	26039.20	0.00									1392			
30+980.000	1423.64		0.00											73.36				
		29033.90		0.00	29033.90	0.00									1662			
31+000.000	1479.75		0.00											92.82				
		25943.80		0.00	25943.80	0.00									1690			
31+020.000	1114.63		0.00											76.21				
		14180.50		0.00	14180.50	0.00									1326			
31+040.000	303.42		0.00											56.42				
		3334.80		766.60	3334.80	766.60									1159			
SHEET TOTAL CARRIED TO SHEET 581					217093.20	189201.40			320.40						43819			

ESTIMATED CROSS SECTION QUANTITIES
 STA. 30+540.000 TO STA. 31+040.000

ATH-33-30.981

CALCULATED
 SSC
 CHECKED
 TAL

564
 956

LINK: 0/365/00/MAIN EARTH

07 FEB 2001 09:39:03
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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
31+060.000	30.06		76.66											59.46				
		333.80		4756.70	333.80	4756.70									1386			
31+080.000	3.32		399.01											79.13				
		54.80		12034.50	54.80	12034.50									3262			
31+100.000	2.16		804.44											247.07				
		33.10		21359.60	33.10	21359.60									5624			
31+120.000	1.15		1331.52											315.30				
		18.70		32388.40	18.70	32388.40									4683			
31+140.000	0.72		1907.32				0.00							152.99				
		1195.50		46309.10	1195.50	45472.30		83.68							3484			
31+160.000	118.83		2723.59											195.37				
		2443.60		54736.70	2443.60	53061.50			1675.20						3866			
31+180.000	125.53		2750.08					83.84						191.27				
		2812.80		56988.40	2812.80	55315.60			1672.80						3905			
31+200.000	155.75		2948.76					83.44						199.25				
		1577.40		54041.50	1577.40	53166.30			875.20						6072			
31+220.000	1.99		2455.39				4.08							407.97				
		34.60		45570.30	34.60	45432.40			137.90						5587			
31+240.000	1.47		2101.64					9.71						150.77				
		23.70		37988.00	23.70	37890.90			97.10						2881			
31+260.000	0.90		1697.16				0.00							137.31				
		18.50		29809.50	18.50	29809.50									2524			
31+280.000	0.95		1283.79											115.12				
		18.50		21918.70	18.50	21918.70									2139			
31+300.000	0.90		908.08											98.79				
		17.90		14647.90	17.90	14647.90									1787			
31+320.000	0.89		556.71											79.91				
		27.60		8744.70	27.60	8744.70									1436			
31+340.000	1.87		317.76											63.72				
		124.50		4072.60	124.50	4072.60									1201			
31+360.000	10.58		89.50											56.36				
		5121.70		895.00	5121.70	895.00									1180			
31+380.000	501.59		0.00											61.67				
		12047.00		0.00	12047.00	0.00									1437			
31+400.000	703.11		0.00											82.05				
		13237.10		0.00	13237.10	0.00									1491			
31+420.000	620.60		0.00											67.10				
		12735.40		0.00	12735.40	0.00									1338			
31+440.000	652.94		0.00											66.74				
		13360.00		0.00	13360.00	0.00									1463			
31+460.000	683.06		0.00											79.52				
		12778.80		0.00	12778.80	0.00									1562			
31+480.000	594.82		0.00											76.65				
		7728.30		965.80	7728.30	965.80									1379			
31+500.000	178.01		96.58											61.27				
		1816.80		5282.50	1816.80	5282.50									1366			
31+520.000	3.67		431.67											75.33				
		51.00		14097.00	51.00	14097.00									1840			
31+540.000	1.43		978.03											108.64				
		25.20		26245.40	25.20	26245.40									2524			
31+560.000	1.09		1646.51											143.74				
		101.00		39366.30	101.00	39366.30									3237			
SHEET TOTAL CARRIED TO SHEET 581					87737.30	526923.60			5295.00						68654			

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 31+060.000 TO STA. 31+560.000**

ATH-33-30.981

CALCULATED
 SSC
 CHECKED
 TAL

565
 956

LINK: 0/3615/00/MAIN EARTH

MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
31+580.000	9.01		2290.12										179.93			
		212.10		54110.60	212.10	54110.60								3843		
31+600.000	12.20		3120.94										204.33			
		240.50		70297.40	240.50	70297.40								4427		
31+620.000	11.85		3908.80				0.00						238.34			
		191.90		88792.10	191.90	88068.50		723.60						5030		
31+640.000	7.34		4970.41				72.36						264.62			
		712.20		111870.70	712.20	103959.90		7910.80						5683		
31+660.000	63.88		6216.66				718.72						303.66			
		748.60		131010.10	748.60	115455.20		15554.90						6099		
31+680.000	10.98		6884.35				836.77						306.24			
		535.90		135272.20	535.90	116967.70		18304.50						6101		
31+700.000	42.61		6642.87				993.68						303.86			
		728.50		124351.10	728.50	110595.90		13755.20						6072		
31+720.000	30.24		5792.24				381.84						303.39			
		328.30		107112.40	328.30	101943.10		5169.30						9338		
31+740.000	2.59		4919.00				135.09						630.46			
		60.40		90549.20	60.40	89198.30		1350.90						11836		
31+760.000	3.45		4135.92				0.00						553.16			
		51.70		77921.70	51.70	77921.70								7644		
31+780.000	1.72		3656.25										211.19			
		38.20		67521.80	38.20	67521.80								4092		
31+800.000	2.10		3095.93										198.06			
		37.30		55436.30	37.30	55436.30								3728		
31+820.000	1.63		2447.70										174.71			
		30.90		43132.70	30.90	43132.70								3264		
31+840.000	1.46		1865.57										151.71			
		38.50		30259.80	38.50	30259.80								4140		
31+860.000	2.39		1160.41										262.31			
		35.70		18652.10	35.70	18652.10								3544		
31+880.000	1.18		704.80										92.11			
		586.20		8798.10	586.20	8798.10								1582		
31+900.000	57.44		175.01										66.08			
		5815.80		1750.10	5815.80	1750.10								1360		
31+920.000	524.14		0.00										69.95			
		10965.00		0.00	10965.00	0.00								1419		
31+940.000	572.36		0.00										71.96			
		7654.20		0.00	7654.20	0.00								1293		
31+960.000	193.06		0.00										57.35			
		1944.20		5288.00	1944.20	5288.00								1404		
31+980.000	1.36		528.80										83.01			
		40.50		13243.20	40.50	13243.20								1847		
32+000.000	2.69		795.52										101.71			
		47.00		21524.00	47.00	21524.00								2374		
32+020.000	2.01		1356.88										135.72			
		50.30		32133.30	50.30	32133.30								5478		
32+040.000	3.02		1856.45										412.05			
		71.50		42775.70	71.50	42775.70								5940		
32+060.000	4.13		2421.12										181.98			
		295.00		53145.80	295.00	53145.80								7070		
32+080.000	25.37		2893.46				0.00						525.06			
		835.40		62110.60	835.40	59905.00		2205.60						7567		
SHEET TOTAL CARRIED TO SHEET 581					32295.80	1382084.20		64974.80						122176		

CALCULATED	SSC	CHECKED	TAL
ESTIMATED CROSS SECTION QUANTITIES STA. 31+580.000 TO STA. 32+080.000			
ATH-33-30.981			
566		956	

LINK: 0/3615/00/MAIN EARTH

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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
32+100.000	58.17		3317.60				220.56							231.68					
		925.10		66219.10	925.10	63400.60		2818.50							4405				
32+120.000	34.34		3304.31				61.29							208.78					
		367.90		68335.50	367.90	67722.60		612.90							4126				
32+140.000	2.45		3529.24				0.00							203.79					
		35.10		68250.10	35.10	68250.10									3917				
32+160.000	1.06		3295.77											187.90					
		105.30		60549.80	105.30	60549.80									3762				
32+180.000	9.47		2759.21											188.28					
		104.40		49392.60	104.40	49392.60									3531				
32+200.000	0.97		2180.05											164.80					
		21.10		37137.40	21.10	37137.40									2944				
32+220.000	1.14		1533.69											129.61					
		25.00		25339.70	25.00	25339.70									2388				
32+240.000	1.36		1000.28											109.23					
		50.10		15630.10	50.10	15630.10									2070				
32+260.000	3.65		562.73											97.73					
		1311.20		7498.50	1311.20	7498.50									2081				
32+280.000	127.47		187.12											110.40					
		8087.40		1871.20	8087.40	1871.20									2035				
32+300.000	681.27		0.00											93.13					
		17947.90		0.00	17947.90	0.00									2123				
32+320.000	1113.52		0.00											119.20					
		23059.80		0.00	23059.80	0.00									2354				
32+340.000	1192.46		0.00											116.18					
		21590.40		0.00	21590.40	0.00									2226				
32+360.000	966.58		0.00											106.37					
		16336.90		0.00	16336.90	0.00									2089				
32+380.000	667.11		0.00											102.56					
		11524.20		0.00	11524.20	0.00									2068				
32+400.000	485.31		0.00											104.28					
		8062.20		372.50	8062.20	372.50									2001				
32+420.000	320.91		37.25											95.78					
		4835.60		1726.60	4835.60	1726.60									1887				
32+440.000	162.65		135.41											92.96					
		2363.00		4889.10	2363.00	4889.10									2187				
32+460.000	73.65		353.50											125.71					
		736.50		10193.30	736.50	10193.30									2146				
32+480.000	0.00		665.83											88.92					
		0.00		16035.10	0.00	16035.10									1845				
32+500.000	0.00		937.68											95.56					
		12.30		20420.30	12.30	20420.30									1879				
32+520.000	1.23		1104.35										0.00	92.31		0.00			
		52.10		23982.20	52.10	23672.50							23.44	234.40		1983	75.30		
32+540.000	3.98		1293.87											105.97		7.53			
		110.60		27877.30	110.60	27133.30								595.41		2195	148.59		
32+560.000	7.08		1493.86										36.10	113.48		7.33			
		123.90		31720.30	123.90	30973.20								605.32		2302	141.78		
32+580.000	5.31		1678.17										24.43	116.74		6.85			
		90.60		35068.60	90.60	34552.20								396.16		2352	120.24		
32+600.000	3.75		1828.69										15.19	118.45		5.18			
		62.80		38452.60	62.80	38249.00								151.85		2405	51.75		
SHEET TOTAL CARRIED TO SHEET 581					117941.40	605009.70		3431.40						1983.14	65299		537.66		

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 32+100.000 TO STA. 32+600.000**

ATH-33-30.981

567
956

CALCULATED
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LINK: D:\3651\00\MAIN EARTH

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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
32+620.000	2.53		2016.57									0.00		122.03		0.00	
		64.20		43064.20	64.20	43064.20									2559		
32+640.000	3.89		2289.85											133.92			
		66.40		50032.10	66.40	50032.10									2825		
32+660.000	2.75		2713.36											148.63			
		51.60		59833.90	51.60	59833.90									3181		
32+680.000	2.41		3270.03											169.44			
		74.60		70667.20	74.60	70667.20									3658		
32+700.000	5.05		3796.69											196.35			
		77.30		81745.50	77.30	81745.50									4073		
32+720.000	2.68		4377.86				0.00						210.95				
		54.50		88400.70	54.50	87654.40		746.30							4384		
32+740.000	2.77		4462.21				74.63						227.45				
		62.80		84428.30	62.80	80409.70		4018.60							4608		
32+760.000	3.51		3980.62				327.23						233.32				
		55.00		73047.50	55.00	64295.40		8752.10							4579		
32+780.000	1.99		3324.13				547.98						224.53				
		38.50		64573.70	38.50	55790.40		8783.30							4486		
32+800.000	1.86		3133.24				330.35						224.02				
		36.70		49196.30	36.70	45892.80		3303.50							4211		
32+820.000	1.81		1786.39				0.00						197.10				
		73.60		33616.10	73.60	33616.10									3728		
32+840.000	5.55		1575.22										175.69				
		140.10		32631.90	140.10	32631.90									3633		
32+860.000	8.46		1687.97				0.00					0.00		187.63		0.00	
		134.10		36051.40	134.10	34322.10		1672.40							3632	23.82	
32+880.000	4.95		1917.17				167.24					3.31		175.57		2.38	
		120.60		40967.80	120.60	37454.50		3383.60					86.74		3567	42.96	
32+900.000	7.11		2179.61				171.12					5.37		181.14		1.91	
		286.00		47286.90	286.00	42391.30		4765.10					90.03		3851	40.47	
32+920.000	21.49		2549.08				305.39					3.64		203.95		2.13	
		318.40		52415.30	318.40	18758.10		6069.50					27502.65		3729	85.05	
32+940.000	10.35		2692.45				301.56					2746.63		168.96		6.37	
		322.70		54312.80	322.70	20555.20		6048.40					27598.95		3441	110.25	
32+960.000	21.92		2738.83				303.28					13.27		175.18		4.65	
		266.20		56011.60	266.20	51358.50		4295.60					227.12		3380	130.38	
32+980.000	4.70		2862.33				126.28					9.45		162.77		8.39	
		121.70		59001.70	121.70	57188.20		1586.00					127.09		3327	100.41	
33+000.000	7.47		3037.84				32.32					3.26		169.93		1.66	
		115.60		63657.20	115.60	63217.70		323.20					80.93		3498	35.37	
33+020.000	4.09		3327.88				0.00					4.83		179.92		1.88	
		430.20		63653.30	430.20	63538.90							77.32		3657	37.08	
33+040.000	38.93		3037.45									2.90		185.76		1.83	
		437.00		57223.30	437.00	57112.70							69.05		3524	41.55	
33+060.000	4.77		2684.88									4.00		166.66		2.33	
		95.70		50421.00	95.70	50290.20							78.96		3077	51.84	
33+080.000	4.80		2357.22									3.89		141.01		2.86	
		78.30		44815.20	78.30	44626.60							87.14		2762	101.46	
33+100.000	3.03		2124.30									4.82		135.18		7.29	
		63.00		42788.70	63.00	42518.20							120.98		2931	149.52	
33+120.000	3.27		2154.57									7.28		157.95		7.66	
		138.40		38193.00	138.40	37920.40							145.34		3338	127.26	
SHEET TOTAL CARRIED TO SHEET 581					3723.20	1326886.20		53747.60					56325.38		93639		1077.42

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 32+620.000 TO STA. 33+120.000**

ATH-33-30.981

CALCULATED
 SSC
 CHECKED
 TAL

568
 956

LINK: 0/3615/00/MAIN EARTH

01 FEB 2001 09:43:15
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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
33+140.000	10.57		1664.73									7.26		175.81		5.06	
		620.60		30561.70	620.60	30242.50							185.28		3635	133.92	
33+160.000	51.49		1391.44										11.27		187.73	8.33	
		556.40		25957.90	556.40	25429.10							365.87		2862	162.93	
33+180.000	4.15		1204.35										25.32		98.46	7.97	
		173.20		21547.40	173.20	21158.30							281.19		1994	107.91	
33+200.000	13.17		950.39										2.80		100.95	2.83	
		177.70		16761.80	177.70	16705.50							28.04		1814	28.26	
33+220.000	4.60		725.79										0.00		80.43	0.00	
		173.70		12078.70	173.70	12078.70									1529		
33+240.000	12.77		482.08											72.45			
		142.10		7899.10	142.10	7899.10									1179		
33+260.000	1.44		307.83											45.46			
		342.90		4084.10	342.90	4084.10									627		
33+280.000	32.85		100.58											17.25			
		1588.80		1005.80	1588.80	1005.80									449		
33+300.000	126.03		0.00											27.67			
		2316.00		0.00	2316.00	0.00									675		
33+320.000	105.57		0.00											39.86			
		1465.30		608.20	1465.30	608.20									1043		
33+340.000	40.96		60.82											64.46			
		471.70		3351.30	471.70	3351.30									1413		
33+360.000	6.21		274.31											76.79			
		69.00		7555.10	69.00	7555.10									1540		
33+380.000	0.69		481.20											77.20			
		32.50		9510.70	32.50	9510.70									1549		
33+400.000	2.56		469.87											77.73			
		57.10		8725.20	57.10	8725.20									1565		
33+420.000	3.15		402.65											78.76			
		73.60		7879.90	73.60	7879.90									1574		
33+440.000	4.21		385.34											78.61			
		60.90		8603.10	60.90	8603.10									1715		
33+460.000	1.88		474.97											92.86			
		73.00		11172.90	73.00	11172.90									1875		
33+480.000	5.42		642.32											94.69			
		67.90		13831.40	67.90	13831.40									2239		
33+500.000	1.37		740.82											129.23			
		18.10		16637.60	18.10	16637.60									2527		
33+520.000	0.44		922.94											123.51			
		13.20		19719.40	13.20	19719.40									2452		
33+540.000	0.88		1049.00											121.69			
		23.00		18804.10	23.00	18804.10									2437		
33+560.000	1.42		831.41											121.99			
		225.10		15157.40	225.10	15157.40									2431		
33+580.000	21.09		684.33											121.15			
		370.60		14071.80	370.60	14071.80									2521		
33+600.000	15.97		722.85											130.95			
		652.50		17025.00	652.50	17025.00									2738		
33+620.000	49.28		979.65											142.82			
		643.40		22049.00	643.40	22049.00									3089		
33+640.000	15.06		1225.25										0.00		166.12	0.00	
		260.80		27708.90	260.80	27663.20								29.20		3409	
																16.50	
SHEET TOTAL CARRIED TO SHEET 581					10669.10	340968.40							889.58		50883		449.52

CALCULATED SSC
 CHECKED TAL
**ESTIMATED CROSS SECTION QUANTITIES
 STA. 33+140.000 TO STA. 33+640.000**

ATH-33-30.981

569
 956

LINK: D:\3651\00\MAIN EARTH

07 FEB 2001 09:44:17
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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
33+660.000	11.02		1545.64									2.92	174.83		1.65		
		163.90		32950.20	163.90	32878.50						43.83		3328		27.87	
33+680.000	5.37		1749.38									1.46	157.98		1.14		
		136.50		35445.60	136.50	35327.60						76.18		3120		41.82	
33+700.000	8.28		1795.18									6.16	154.03		3.05		
		103.60		36450.20	103.60	36274.40						116.43		3033		59.37	
33+720.000	2.08		1849.84									5.49	149.24		2.89		
		70.60		38114.10	70.60	37618.60						363.68		2995		131.82	
33+740.000	4.98		1961.57									30.88	150.24		10.29		
		109.10		37263.50	109.10	36785.80						350.68		3025		127.02	
33+760.000	5.93		1764.78									4.19	152.24		2.41		
		184.40		34877.20	184.40	34704.20						118.40		3139		54.60	
33+780.000	12.51		1722.94									7.65	161.69		3.05		
		258.30		31594.90	258.30	31307.80						220.02		3333		67.08	
33+800.000	13.32		1436.55									14.35	171.59		3.66		
		133.20		24185.50	133.20	24005.40						143.50		2874		36.60	
33+820.000	0.00		982.00									0.00	115.77		0.00		
		0.00		16181.80	0.00	16181.80								2052			
33+840.000	0.00		636.18										89.42				
		6.00		8455.90	6.00	8455.90								1464			
33+860.000	0.60		209.41										56.99				
		477.40		2140.60	477.40	2140.60								811			
33+880.000	47.14		4.65										24.08				
		2751.20		46.50	2751.20	46.50								600			
33+900.000	227.98		0.00										35.94				
		5280.40		0.00	5280.40	0.00								787			
33+920.000	300.06		0.00										42.78				
		5037.80		0.00	5037.80	0.00								805			
33+940.000	203.72		0.00										37.72				
		2779.50		0.00	2779.50	0.00								753			
33+960.000	74.23		0.00										37.62				
		895.50		868.30	895.50	868.30								1038			
33+980.000	15.32		86.83										66.21				
		234.00		3415.40	234.00	3415.40								1289			
34+000.000	8.08		254.71										62.66				
		117.40		6783.20	117.40	6783.20								1303			
34+020.000	3.66		423.61										67.63				
		53.40		9773.80	53.40	9773.80								1442			
34+040.000	1.68		553.77										76.57				
		27.30		12381.90	27.30	12381.90								1675			
34+060.000	1.05		684.42										90.90				
		29.50		15688.70	29.50	15688.70								2019			
34+080.000	1.90		884.45										111.02				
		60.30		20267.00	60.30	20267.00								2598			
34+100.000	4.13		1142.25									0.00	148.82		0.00		
		234.50		28871.20	234.50	28691.00							111.08			69.12	
34+120.000	19.32		1744.87									11.11	193.06		6.91		
		555.60		37519.50	555.60	36173.70						1060.71		3617		285.09	
34+140.000	36.24		2007.08									94.96	168.66		21.60		
		441.70		30427.60	441.70	29262.00						949.63		2805		215.97	
34+160.000	7.93		1035.68									0.00	111.81		0.00		
		88.70		14909.30	88.70	14909.30								1814			
SHEET TOTAL CARRIED TO SHEET 581					20229.80	473941.40							3554.14		55137		1116.36

ESTIMATED CROSS SECTION QUANTITIES
 STA. 33+60.00 TO STA. 34+160.00

ATH-33-30.981

CALCULATED
 SSC
 CHECKED
 TAL

570
 956

LINK: D:\3651\00\MAIN EARTH

07 FEB 2001 09:44:55
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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
34+180.000	0.94		455.25											69.61				
		82.20		5636.80	82.20	5636.80									1067			
34+200.000	7.28		108.43											37.10				
		955.90		1084.30	955.90	1084.30									749			
34+220.000	88.31		0.00											37.79				
		1458.10		0.00	1458.10	0.00									709			
34+240.000	57.50		0.00											33.15				
		628.70		998.40	628.70	998.40									825			
34+260.000	5.37		99.84											49.32				
		168.80		3574.10	168.80	3574.10									1165			
34+280.000	11.51		257.57										0.00	67.18		0.00		
		212.10		6316.30	212.10	6204.30							70.06	66.70	1339	4.19	41.94	
34+300.000	9.70		374.06										7.01	66.70	1360	4.19	69.09	
		135.70		8507.20	135.70	8296.30							141.81	69.33	1421	2.72	43.29	
34+320.000	3.87		476.66										7.18	69.33	1421	2.72	43.29	
		55.10		10321.10	55.10	10185.90							91.91	72.79	1665	1.61	28.80	
34+340.000	1.64		555.45										2.02	72.79	1665	1.61	28.80	
		93.00		12164.90	93.00	12095.40							40.70	93.71	2064	1.27	23.73	
34+360.000	7.66		661.04										2.05	93.71	2064	1.27	23.73	
		88.40		15933.90	88.40	15872.60							37.57	112.71	2521	1.11	195.66	
34+380.000	1.18		932.35										1.70	112.71	2521	1.11	195.66	
		99.50		25214.90	99.50	24637.70							381.54	139.39	2834	18.46	219.30	
34+400.000	8.77		1589.14										36.45	139.39	2834	18.46	219.30	
		93.00		32235.50	93.00	31553.20							463.00	143.96	2872	3.47	78.24	
34+420.000	0.53		1634.41										9.85	143.96	2872	3.47	78.24	
		98.00		30828.90	98.00	30592.60							158.06	143.26	2854	4.35	105.27	
34+440.000	9.27		1448.48										5.96	143.26	2854	4.35	105.27	
		198.60		26135.00	198.60	25785.00							244.73	142.18	2391	6.17	61.74	
34+460.000	10.59		1165.02										18.52	142.18	2391	6.17	61.74	
		227.50		7420.90	227.50	17174.00							185.16	96.93	1909	0.00		
34+480.000	12.16		577.07										0.00	96.93	1909	0.00		
		285.80		9363.30	285.80	9363.30									93.95			
34+500.000	16.42		359.26											93.95	1454			
		215.50		5124.40	215.50	5124.40									51.50			
34+520.000	5.13		153.18											51.50	883			
		1138.30		1531.80	1138.30	1531.80									36.85			
34+540.000	108.70		0.00											36.85	770			
		2627.70		0.00	2627.70	0.00									40.10			
34+560.000	154.07		0.00											40.10	620			
		1805.10		0.00	1805.10	0.00									21.90			
34+580.000	26.44		0.00											21.90	727			
		320.70		1238.50	320.70	1238.50									50.77			
34+600.000	5.63		123.85											50.77	1239			
		87.70		4954.30	87.70	4954.30									73.16			
34+620.000	3.14		371.58											73.16	1701			
		75.20		11078.90	75.20	11078.90									96.91			
34+640.000	4.38		736.31											96.91	2372			
		201.00		15365.40	201.00	15365.40									140.31			
34+660.000	15.72		800.23											140.31	3101			
		3659.10		12395.50	3659.10	12395.50									169.84			
34+680.000	350.19		439.32											169.84	3638			
		5681.70		10802.30	5681.70	10802.30												
SHEET TOTAL CARRIED TO SHEET 581					20692.40	265545.00							1814.54	44252		867.06		

CALCULATED	SSC	CHECKED	TAL
ESTIMATED CROSS SECTION QUANTITIES			
STA. 34+180.000 TO STA. 34+680.000			
ATH-33-30.981			
571		956	

LINK: D:\36151\00\MAIN EARTH

07 FEB 2001 09:46:04
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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE			
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.		
34+700.000	217.98		640.91										193.97					
		2872.40		17648.90	2872.40	17422.70								3690				
34+720.000	69.26		1123.98										174.98					
		758.30		24456.90	758.30	24230.70								3157				
34+740.000	6.57		1321.71										140.76					
		94.00		21542.00	94.00	21542.00								2721				
34+760.000	2.83		832.49										131.32					
		66.70		11449.00	66.70	11449.00								2206				
34+780.000	3.84		312.41										89.25					
		2206.50		3124.10	2206.50	3124.10								1509				
34+800.000	216.81		0.00										61.68					
		5161.70		0.00	5161.70	0.00								1181				
34+820.000	299.36		0.00										56.39					
		4220.10		0.00	4220.10	0.00								984				
34+840.000	122.65		0.00										42.05					
		3366.40		0.00	3366.40	0.00								942				
34+860.000	213.99		0.00										52.18					
		4353.30		0.00	4353.30	0.00								1070				
34+880.000	221.34		0.00										54.77					
		4678.50		0.00	4678.50	0.00								1103				
34+900.000	246.51		0.00										55.50					
		5392.60		0.00	5392.60	0.00								1195				
34+920.000	292.75		0.00										63.97					
		6480.20		0.00	6480.20	0.00								1365				
34+940.000	355.27		0.00										72.50					
		8537.10		0.00	8537.10	0.00								1670				
34+960.000	498.44		0.00										94.47					
		12005.30		0.00	12005.30	0.00								2053				
34+980.000	702.09		0.00										110.81					
		14079.80		0.00	14079.80	0.00								2222				
35+000.000	705.89		0.00										111.40					
		12052.50		0.00	12052.50	0.00								1990				
35+020.000	499.36		0.00										87.58					
		7511.90		0.00	7511.90	0.00								1455				
35+040.000	251.83		0.00										57.95					
		3142.20		0.00	3142.20	0.00								886				
35+060.000	62.39		0.00										30.65					
		670.30		250.90	670.30	250.90								588				
35+080.000	4.64		25.09										28.14					
		331.60		744.40	331.60	744.40								808				
35+100.000	28.52		49.35										52.63					
		1079.50		936.90	1079.50	936.90								1226				
35+120.000	79.43		44.34										69.99					
		1250.40		812.10	1250.40	812.10								1279				
35+140.000	45.61		36.87										57.90					
		1826.00		368.70	1826.00	368.70								1074				
35+160.000	136.99		0.00										49.50					
		5040.80		0.00	5040.80	0.00								1285				
35+180.000	367.09		0.00										79.01					
		10399.40		0.00	10399.40	0.00								1825				
35+200.000	672.85		0.00										103.53					
		13721.30		0.00	13721.30	0.00								2000				
SHEET TOTAL CARRIED TO SHEET 581					131298.80	80881.50								41483				

CALCULATED	SSC	CHECKED	TAL
ESTIMATED CROSS SECTION QUANTITIES STA. 34+700.000 TO STA. 35+200.000			
ATH-33-30.981			
572		956	

LINK: 0/3651/00/MAIN EARTH

01 FEB 2001 09:46:47
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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
35+220.000	699.28		0.00										96.48				
		12216.70		0.00	12216.70	0.00								1823			
35+240.000	522.39		0.00										85.78				
		8214.80		0.00	8214.80	0.00								1548			
35+260.000	299.09		0.00										69.00				
		4428.20		0.00	4428.20	0.00								1226			
35+280.000	143.73		0.00										53.57				
		2094.80		0.00	2094.80	0.00								985			
35+300.000	65.75		0.00										44.90				
		1748.10		6.10	1748.10	6.10								964			
35+320.000	109.06		0.61										51.46				
		2858.10		6.10	2858.10	6.10								1115			
35+340.000	176.75		0.00										60.06				
		3566.90		0.00	3566.90	0.00								1269			
35+360.000	179.94		0.00										66.88				
		4067.90		0.00	4067.90	0.00								1275			
35+380.000	226.85		0.00										60.64				
		5125.10		0.00	5125.10	0.00								1289			
35+400.000	285.66		0.00										68.24				
		6743.90		0.00	6743.90	0.00								1488			
35+420.000	388.73		0.00										80.58				
		7734.90		0.00	7734.90	0.00								1554			
35+440.000	384.76		0.00										74.85				
		7067.30		0.00	7067.30	0.00								1420			
35+460.000	321.97		0.00										67.19				
		5383.50		0.00	5383.50	0.00								1209			
35+480.000	216.38		0.00										53.67				
		3349.00		0.00	3349.00	0.00								1118			
35+500.000	118.52		0.00										58.17				
		1232.50		249.80	1232.50	249.80								886			
35+520.000	4.73		24.98										30.41				
		57.30		1377.30	57.30	1377.30								793			
35+540.000	1.00		112.75										48.93				
		22.80		2498.00	22.80	2498.00								873			
35+560.000	1.28		137.05										38.41				
		138.30		2754.40	138.30	2754.40								893			
35+580.000	12.55		138.39										50.89				
		512.30		2523.00	512.30	2523.00								1144			
35+600.000	38.68		113.91										63.46				
		1027.40		1733.30	1027.40	1733.30								1291			
35+620.000	64.06		59.42										65.59				
		1420.10		797.20	1420.10	797.20								1127			
35+640.000	77.95		20.30										47.10				
		1479.90		478.60	1479.90	478.60								1041			
35+660.000	70.04		27.56										57.04				
		1623.00		407.80	1623.00	407.80								1087			
35+680.000	92.26		13.22										51.68				
		1918.50		355.50	1918.50	355.50								1032			
35+700.000	99.59		22.33										51.55				
		1822.10		591.80	1822.10	591.80								1035			
35+720.000	82.62		36.85										52.00				
		1535.70		797.10	1535.70	797.10								1053			
SHEET TOTAL CARRIED TO SHEET 581					87389.10	14576.00								30539			

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 35+220.000 TO STA. 35+720.000**

ATH-33-30.981

CALCULATED
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573
 956

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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
35+740.000	70.95		42.86										53.33			
		1155.20		951.70	1155.20	951.70								1018		
35+760.000	44.57		52.31										48.52			
		632.60		1210.80	632.60	1210.80								940		
35+780.000	18.69		68.77										45.51			
		798.70		917.40	798.70	917.40								901		
35+800.000	61.18		22.97										44.61			
		623.60		777.80	623.60	777.80								746		
35+820.000	1.18		54.81										30.02			
		35.40		1869.10	35.40	1869.10								716		
35+840.000	2.36		132.10				0.00						41.59			
		66.70		4635.10	66.70	4535.10		100.00						1261		
35+860.000	4.31		331.41				10.00						84.49			
		362.50		8661.50	362.50	8397.90		263.60						1896		
35+880.000	31.94		534.74				16.36					0.00	105.11		0.00	
		339.20		12826.00	339.20	12573.60		163.60				204.40	2034		48.00	
35+900.000	1.98		747.86				0.00					20.44	98.29		4.80	
		48.00		16909.40	48.00	16213.40						576.78	2020		119.22	
35+920.000	2.82		943.08									37.24	103.73		7.12	
		74.60		20861.10	74.60	19989.30						729.03	2270		142.77	
35+940.000	4.64		1143.03									35.67	123.29		7.16	
		371.70		24658.50	371.70	23552.90						924.40	2644		181.20	
35+960.000	32.53		1322.82									56.78	141.09		10.97	
		524.60		28416.80	524.60	27202.00						1000.90	2854		213.90	
35+980.000	19.93		1518.86									43.32	144.29		10.43	
		254.50		29993.50	254.50	28348.40						1345.52	2923		299.58	
36+000.000	5.52		1480.49									91.24	148.04		19.53	
		73.50		26292.20	73.50	24923.30						1098.57	2906		270.33	
36+020.000	1.83		1148.73									18.62	142.55		7.50	
		39.60		16757.60	39.60	16496.40						186.20	2715		75.00	
36+040.000	2.13		527.03									0.00	129.00		0.00	
		80.80		6165.50	80.80	6165.50								2160		
36+060.000	5.95		89.52										87.02			
		1530.90		895.20	1530.90	895.20								1381		
36+080.000	147.14		0.00										51.11			
		4804.20		0.00	4804.20	0.00								1163		
36+100.000	333.28		0.00										65.22			
		6519.30		0.00	6519.30	0.00								1304		
36+120.000	318.65		0.00										65.13			
		4092.10		0.00	4092.10	0.00								976		
36+140.000	90.56		0.00										32.46			
		1064.40		143.50	1064.40	143.50								666		
36+160.000	15.88		14.35										34.16			
		256.40		209.20	256.40	209.20								599		
36+180.000	9.76		6.57										25.78			
		1567.70		65.70	1567.70	65.70								703		
36+200.000	147.01		0.00										44.53			
		4526.90		0.00	4526.90	0.00								977		
36+220.000	305.68		0.00										53.22			
		7271.70		0.00	7271.70	0.00								1194		
36+240.000	421.49		0.00										66.22			
		9625.20		0.00	9625.20	0.00								1415		
SHEET TOTAL CARRIED TO SHEET 581					46740.00	195438.20		527.20				6065.80		40385		1350.00

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 35+740.000 TO STA. 36+240.000**

ATH-33-30.981

CALCULATED
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574
 956

LINK: 0/365/00/MAIN EARTH

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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
36+260.000	541.03		0.00											75.24					
		12241.70		0.00	12241.70	0.00									1501				
36+280.000	683.14		0.00											74.83					
		13868.90		0.00	13868.90	0.00									1500				
36+300.000	703.75		0.00											75.13					
		13955.30		0.00	13955.30	0.00									1471				
36+320.000	691.78		0.00											72.01					
		13186.80		0.00	13186.80	0.00									1421				
36+340.000	626.90		0.00											70.09					
		12734.60		0.00	12734.60	0.00									1474				
36+360.000	646.56		0.00											77.29					
		14636.20		0.00	14636.20	0.00									1673				
36+380.000	817.06		0.00											90.03					
		17524.40		0.00	17524.40	0.00									1906				
36+400.000	935.38		0.00											100.56					
		18878.50		0.00	18878.50	0.00									2026				
36+420.000	952.47		0.00											102.05					
		17223.40		0.00	17223.40	0.00									1903				
36+440.000	769.87		0.00											88.22					
		13073.50		0.00	13073.50	0.00									1591				
36+460.000	537.48		0.00											70.88					
		9011.10		0.00	9011.10	0.00									1359				
36+480.000	363.63		0.00											65.00					
		5791.20		0.00	5791.20	0.00									1373				
36+500.000	215.49		0.00											72.35					
		3428.30		6.60	3428.30	6.60									1503				
36+520.000	127.34		0.66											77.93					
		2753.10		564.00	2753.10	564.00									1699				
36+540.000	147.97		55.74											91.98					
		3822.40		903.30	3822.40	903.30									1838				
36+560.000	234.27		34.59											91.79					
		4270.30		410.60	4270.30	410.60									1492				
36+580.000	192.76		6.47											57.43					
		3556.30		566.20	3556.30	566.20									1130				
36+600.000	162.87		50.15											55.55					
		1695.60		1802.10	1695.60	1802.10									1028				
36+620.000	6.69		130.06										0.00	47.26		0.00			
		694.20		5359.40	694.20	5249.90							73.90		1774		35.60		
36+640.000	62.73		405.88										7.39	130.18		3.56			
		643.40		9407.70	643.40	9001.70							304.40		2176		101.60		
36+660.000	1.61		534.89										23.05	87.41		6.60			
		625.80		12754.80	625.80	12039.10							574.00		2191		141.70		
36+680.000	60.97		740.59										34.35	131.66		7.57			
		2025.90		16274.70	2025.90	15496.80							640.10		2802		137.80		
36+700.000	141.62		886.88										29.66	148.56		6.21			
		4090.80		19314.50	4090.80	18722.70							477.60		3024		114.20		
36+720.000	267.46		1044.57										18.10	153.81		5.21			
		6390.80		22272.60	6390.80	21765.80							405.80		3203		101.00		
36+740.000	371.62		1182.69										22.48	166.51		4.89			
		8494.40		24964.10	8494.40	24394.40							451.60		3420		118.10		
36+760.000	477.82		1313.72										22.68	175.45		6.92			
		10044.10		27242.80	10044.10	24960.10							1803.90		3707		478.80		
SHEET TOTAL CARRIED TO SHEET 581					214661.00	135883.30								4731.30	50184		1228.80		

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 36+260.000 TO STA. 36+760.000**

ATH-33-30.981

575
956

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LINK: 0/3615/00/MAIN EARTH

MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
36+780.000	526.59		1410.56											25.70		195.30		7.12	
		6751.90		32394.80	6751.90	31860.30									400.40		3945		134.10
36+800.000	148.60		1828.92											14.34		199.20		6.29	
		1722.80		44950.90	1722.80	44418.80									347.20		4035		184.90
36+820.000	23.68		2666.17											20.38		204.33		12.20	
		332.20		59250.50	332.20	58856.30									246.00		4178		148.20
36+840.000	9.54		3258.88											4.22		213.51		2.62	
		324.70		68232.40	324.70	67326.50									557.40		4400		348.50
36+860.000	22.93		3564.36											51.52		226.50		32.23	
		267.00		71369.50	267.00	70312.10									625.12		4513		432.28
36+880.000	3.77		3572.59											10.99		224.83		11.00	
		73.20		69931.70	73.20	69173.40									425.51		4450		332.79
36+900.000	3.55		3420.58											31.56		220.14		22.28	
		64.10		65882.60	64.10	65179.00									437.59		4326		266.01
36+920.000	2.86		3167.68											12.20		212.42		4.32	
		79.10		60576.60	79.10	59923.00									512.69		4166		140.91
36+940.000	5.05		2889.98											39.07		204.22		9.77	
		207.60		51416.90	207.60	50866.10									427.05		4019		123.75
36+960.000	15.71		2251.71											3.64		197.68		2.60	
		186.20		40022.80	186.20	39960.40									36.36		3584		26.04
36+980.000	2.91		1750.57											0.00		160.75		0.00	
		48.00		30885.60	48.00	30885.60										3031			
37+000.000	1.89		1337.99													142.31			
		45.90		23003.80	45.90	23003.80										2640			
37+020.000	2.70		962.39													121.70			
		49.70		15740.80	49.70	15740.80										2215			
37+040.000	2.27		611.69													99.78			
		198.50		7974.70	198.50	7974.70										1795			
37+060.000	17.58		185.78													79.70			
		5666.70		1857.80	5666.70	1857.80										1616			
37+080.000	549.09		0.00													81.85			
		14916.00		0.00	14916.00	0.00										1725			
37+100.000	942.51		0.00													90.62			
		17848.40		0.00	17848.40	0.00										1726			
37+120.000	842.33		0.00													82.01			
		17140.50		0.00	17140.50	0.00										1717			
37+140.000	871.72		0.00													89.71			
		16398.60		0.00	16398.60	0.00										1741			
37+160.000	768.14		0.00													84.40			
		14063.90		0.00	14063.90	0.00										1584			
37+180.000	638.25		0.00													74.03			
		11410.70		0.00	11410.70	0.00										1441			
37+200.000	502.82		0.00													70.03			
		8869.40		0.00	8869.40	0.00										1349			
37+220.000	384.12		0.00													64.90			
		7388.50		0.00	7388.50	0.00										1313			
37+240.000	354.73		0.00													66.44			
		7770.00		0.00	7770.00	0.00										1385			
37+260.000	422.27		0.00													72.02			
		9345.40		0.00	9345.40	0.00										1490			
37+280.000	512.27		0.00													76.97			
		11181.20		0.00	11181.20	0.00										1566			
SHEET TOTAL CARRIED TO SHEET 581					152350.20	637338.60								4015.32		69950		2137.48	

**ESTIMATED CROSS SECTION QUANTITIES
STA. 36+780.000 TO STA. 37+280.000**

ATH-33-30.981

CALCULATED
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576
956

LINK: 0/365/00/MAIN EARTH

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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION	203 EMBANKMENT	203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
37+300.000	605.85		0.00										79.66				
		13596.50		0.00	13596.50	0.00								1643			
37+320.000	753.80		0.00										84.60				
		15928.30		0.00	15928.30	0.00								1712			
37+340.000	839.03		0.00										86.60				
		16744.00		0.00	16744.00	0.00								1731			
37+360.000	835.37		0.00										86.52				
		16176.50		0.00	16176.50	0.00								1693			
37+380.000	782.28		0.00										82.77				
		14419.70		0.00	14419.70	0.00								1591			
37+400.000	659.69		0.00										76.37				
		11549.30		0.00	11549.30	0.00								1449			
37+420.000	495.24		0.00										68.54				
		8098.10		0.00	8098.10	0.00								1239			
37+440.000	314.57		0.00										55.35				
		4088.00		0.00	4088.00	0.00								847			
37+460.000	94.23		0.00										29.34				
		1098.80		452.00	1098.80	452.00								520			
37+480.000	15.65		45.20										22.63				
		156.50		2245.00	156.50	2245.00								556			
37+500.000	0.00	0.00	179.30										32.99				
		11.80		4711.10	11.80	4711.10								1164			
37+520.000	1.18		291.81										83.45				
		548.00		5161.60	548.00	5161.60								1664			
37+540.000	53.62		224.35										82.93				
		646.30		4161.20	646.30	4161.20								1485			
37+560.000	11.01		191.77									0.00	65.56		0.00		
		780.60		2423.50	780.60	2317.50						71.50		1253		34.50	
37+580.000	67.05		50.58									7.15	59.71		3.45		
		1946.40		716.30	1946.40	545.80						103.70		1219		66.80	
37+600.000	127.59		21.05									3.22	62.24		3.23		
		2792.80		210.50	2792.80	146.00						32.20		1317		32.30	
37+620.000	151.69		0.00									0.00	69.49		0.00		
		5102.70		0.00	5102.70	0.00								1649			
37+640.000	358.58		0.00										95.36				
		8716.10		0.00	8716.10	0.00								1988			
37+660.000	513.03		0.00										103.43				
		12220.30		0.00	12220.30	0.00								2130			
37+680.000	709.00		0.00										109.58				
		15854.20		0.00	15854.20	0.00								2204			
37+700.000	876.42		0.00										110.80				
		19386.60		0.00	19386.60	0.00								2209			
37+720.000	1062.24		0.00										110.14				
		23634.90		0.00	23634.90	0.00								2212			
37+740.000	1301.25		0.00										111.07				
		29081.40		0.00	29081.40	0.00								2255			
37+760.000	1606.89		0.00										114.46				
		34031.10		0.00	34031.10	0.00								2305			
37+780.000	1796.22		0.00										116.05				
		35580.50		0.00	35580.50	0.00								2389			
37+800.000	1761.83		0.00										122.87				
		31127.70		0.00	31127.70	0.00								2489			
SHEET TOTAL CARRIED TO SHEET 581					323317.10	19740.20							207.40		42913		133.60

ESTIMATED CROSS SECTION QUANTITIES
 STA. 37+300.000 TO STA. 37+800.000

ATH-33-30.981

CALCULATED
 SSC
 CHECKED
 TAL

577
 956

LINK: D:\3651\00\MAIN EARTH

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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
37+820.000	1350.94		0.00											126.04	2449			
		23653.50		0.00	23653.50	0.00									2449			
37+840.000	1014.41		0.00											118.83	2309			
		18123.40		0.00	18123.40	0.00									2309			
37+860.000	797.93		0.00											112.12	2173			
		14157.70		0.00	14157.70	0.00									2173			
37+880.000	617.84		0.00											105.17	2085			
		11199.20		0.00	11199.20	0.00									2085			
37+900.000	502.08		0.00											103.29	1778			
		8353.90		0.00	8353.90	0.00									1778			
37+920.000	333.31		0.00											74.53	1553			
		5631.10		0.00	5631.10	0.00									1553			
37+940.000	229.80		0.00											80.81	1359			
		4688.90		0.00	4688.90	0.00									1359			
37+960.000	239.09		0.00											55.11	1155			
		5637.00		0.00	5637.00	0.00									1155			
37+980.000	324.61		0.00											60.39	1204			
		6604.10		0.00	6604.10	0.00									1204			
38+000.000	335.80		0.00											60.05	1170			
		6236.80		0.00	6236.80	0.00									1170			
38+020.000	287.88		0.00											56.99	1112			
		4441.50		0.00	4441.50	0.00									1112			
38+040.000	156.27		0.00											54.25	1112			
		3789.60		0.00	3789.60	0.00									1112			
38+060.000	222.69		0.00											56.92	1248			
		6091.00		0.00	6091.00	0.00									1248			
38+080.000	386.41		0.00											67.90	1380			
		8302.00		0.00	8302.00	0.00									1380			
38+100.000	443.79		0.00											70.10	1348			
		8541.20		0.00	8541.20	0.00									1348			
38+120.000	410.33		0.00											64.68	1254			
		7708.60		0.00	7708.60	0.00									1254			
38+140.000	360.53		0.00											60.70	1086			
		5808.60		0.00	5808.60	0.00									1086			
38+160.000	220.33		0.00											47.88	849			
		3818.60		14.70	3818.60	14.70									849			
38+180.000	161.53		1.47											37.02	841			
		3402.50		127.70	3402.50	127.70									841			
38+200.000	178.72		11.30											47.12	1156			
		2815.50		336.20	2815.50	336.20									1156			
38+220.000	102.83		22.32											68.53	1447			
		1332.70		343.10	1332.70	343.10									1447			
38+240.000	30.44		11.99											76.14	1603			
		1003.80		718.10	1003.80	718.10									1603			
38+260.000	69.94		59.82											84.14	1397			
		1466.80		706.70	1466.80	706.70									1397			
38+280.000	76.74		10.85											55.56	999			
		2628.90		108.50	2628.90	108.50									999			
38+300.000	186.15		0.00											44.32	1139			
		6602.10		0.00	6602.10	0.00									1139			
38+320.000	474.06		0.00											69.54	1515			
		11788.30		0.00	11788.30	0.00									1515			
SHEET TOTAL CARRIED TO SHEET 581					183827.30	2355.00									36722			

CALCULATED	SSC	CHECKED	TAL
ESTIMATED CROSS SECTION QUANTITIES			
STA. 37+820.000 TO STA. 38+320.000			
ATH-33-30.981			
578		956	

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MAINLINE

STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE		
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.	
38+340.000	704.77		0.00											82.00					
		15825.10		0.00	15825.10	0.00									1735				
38+360.000	877.74		0.00											91.52					
		19660.60		0.00	19660.60	0.00									1935				
38+380.000	1088.32		0.00											102.00					
		24128.70		0.00	24128.70	0.00									2110				
38+400.000	1324.55		0.00											109.02					
		27473.60		0.00	27473.60	0.00									2170				
38+420.000	1422.81		0.00											107.94					
		30613.70		0.00	30613.70	0.00									2339				
38+440.000	1638.56		0.00											125.99					
		29600.10		0.00	29600.10	0.00									2366				
38+460.000	1321.45		0.00											110.65					
		23629.00		0.00	23629.00	0.00									2086				
38+480.000	1041.45		0.00											97.96					
		18549.80		0.00	18549.80	0.00									1860				
38+500.000	813.53		0.00											88.00					
		14171.30		0.00	14171.30	0.00									1620				
38+520.000	603.60		0.00											74.02					
		10423.50		0.00	10423.50	0.00									1468				
38+540.000	438.75		0.00											72.79					
		6409.20		0.00	6409.20	0.00									1243				
38+560.000	202.17		0.00											51.53					
		3672.90		0.00	3672.90	0.00									1008				
38+580.000	165.12		0.00											49.31					
		3046.50		2.40	3046.50	2.40									1213				
38+600.000	139.53		0.24											72.01					
		6267.80		2.40	6267.80	2.40									1471				
38+620.000	487.25		0.00											75.08					
		12293.00		0.00	12293.00	0.00									1635				
38+640.000	742.05		0.00											88.38					
		17814.10		0.00	17814.10	0.00									1988				
38+660.000	1039.36		0.00											110.47					
		22399.50		0.00	22399.50	0.00									2259				
38+680.000	1200.59		0.00											115.45					
		23261.50		0.00	23261.50	0.00									2240				
38+700.000	1125.56		0.00											108.52					
		20546.40		0.00	20546.40	0.00									2052				
38+720.000	929.08		0.00											96.65					
		16777.30		0.00	16777.30	0.00									1892				
38+740.000	748.65		0.00											92.50					
		12578.70		0.00	12578.70	0.00									1700				
38+760.000	509.22		0.00											77.49					
		9234.70		0.00	9234.70	0.00									1595				
38+780.000	414.25		0.00											81.97					
		6048.90		0.00	6048.90	0.00									1680				
38+800.000	190.64		0.00											86.01					
		3178.90		212.40	3178.90	212.40									1807				
38+820.000	127.25		21.24											94.64					
		4479.80		274.90	4479.80	274.90									2082				
38+840.000	320.73		6.25											113.52					
		7367.00		62.50	7367.00	62.50									1774				
SHEET TOTAL CARRIED TO SHEET 581					389451.60	554.60									47327				

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 38+340.000 TO STA. 38+840.000**

ATH-33-30.981

CALCULATED
 SSC
 CHECKED
 TAL

579
 956

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MAINLINE

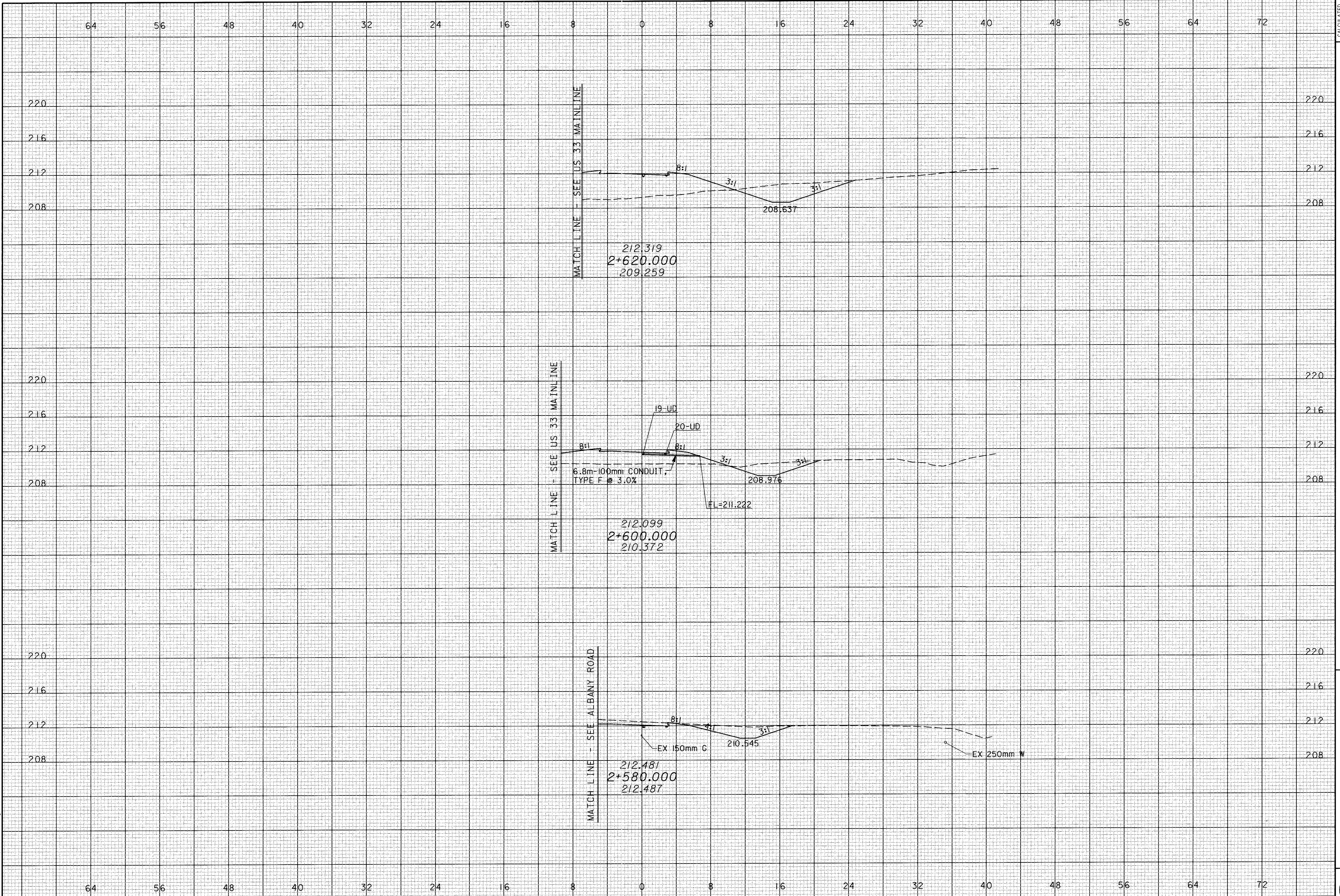
STATION	NOMINAL CUT		NOMINAL FILL		203 EXCAVATION		203 EMBANKMENT		203 EMBANKMENT USING ROCK, AS PER PLAN		203 EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH)		601 CRUSHED AGGREGATE SLOPE PROTECTION		870 SEEDING AND MULCHING		SPECIAL MISC.: NO. 57 AGGREGATE	
	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	VOLUME C.M.	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	END AREA	VOLUME C.M.	LENGTH	AREA SQ. M.	END AREA	VOLUME C.M.
38+860.000	415.97		0.00											63.84				
		9266.30		0.00	9266.30	0.00									1320			
38+880.000	510.66		0.00											68.19				
		9788.90		0.00	9788.90	0.00									1372			
38+900.000	468.23		0.00											69.03				
		8398.40		0.00	8398.40	0.00									1261			
38+920.000	371.61		0.00											57.02				
		7431.60		0.00	7431.60	0.00									1279			
38+940.000	371.55		0.00											70.90				
		7510.60		0.00	7510.60	0.00									1674			
38+960.000	379.51		0.00										0.00	96.51		0.00		
		4477.70		2165.90	4477.70	2022.00							9.73	97.34	2070	4.66		46.56
38+980.000	68.26		216.59											110.53		4.66		
		750.20		3353.80	750.20	3182.50								103.86	1472			67.44
39+000.000	6.76		118.79											36.71		2.09		
		422.10		1212.10	422.10	1184.70								6.52	698			20.88
39+020.000	35.45		2.42											33.11		0.00		
		3246.20		24.20	3246.20	24.20									973			
39+040.000	289.17		0.00											64.18				
		10404.50		0.00	10404.50	0.00									1527			
39+060.000	751.28		0.00											88.55				
		18476.40		0.00	18476.40	0.00									1848			
39+080.000	1096.36		0.00											96.28				
		26270.80		0.00	26270.80	0.00									2195			
39+100.000	1530.72		0.00											123.22				
		36357.20		0.00	36357.20	0.00									2586			
39+120.000	2105.00		0.00											135.42				
		43121.90		0.00	43121.90	0.00									2762			
39+140.000	2207.19		0.00											140.80				
		39819.90		0.00	39819.90	0.00									2731			
39+160.000	1774.80		0.00											132.29				
		32443.70		0.00	32443.70	0.00									2502			
39+180.000	1469.57		0.00											117.94				
		27429.90		0.00	27429.90	0.00									2114			
39+200.000	1273.42		0.00											93.46				
		24069.60		0.00	24069.60	0.00									1821			
39+220.000	1133.54		0.00											88.67				
		21320.00		0.00	21320.00	0.00									1699			
39+240.000	998.46		0.00											81.18				
		18388.40		0.00	18388.40	0.00									1563			
39+260.000	840.38		0.00											75.08				
		15601.50		0.00	15601.50	0.00									1434			
39+280.000	719.77		0.00											68.35				
		12660.20		0.00	12660.20	0.00									1288			
39+300.000	546.25		0.00											60.47		0.00		
		7609.10		487.50	7609.10	407.10								33.57	1756			46.83
39+320.000	214.66		48.75											115.17		4.68		
		4598.60		487.50	4598.60	407.10								33.57	1809			46.83
39+340.000	245.20		0.00											65.69		0.00		
		8162.70		0.00	8162.70	0.00									1404			
39+360.000	571.07		0.00											74.72				
		15346.20		0.00	15346.20	0.00									1596			
SHEET TOTAL CARRIED TO SHEET 581					413372.60	7227.60								274.86	44756		228.54	

**ESTIMATED CROSS SECTION QUANTITIES
 STA. 38+860.000 TO STA. 39+360.000**

ATH-33-30.981

CALCULATED
 SSC
 CHECKED
 TAL

580
 956



CALCULATED
PPS
CHECKED
TAL

CROSS SECTIONS
SLIP RAMP C - STA 2+580 TO STA 2+620

ATH-33-30.981

B

■ CONCRETE PAVEMENT TO BE REMOVED

 FOR CULVERT DETAILS, SEE SHEET 839

 FOR ESTIMATED QUANTITIES, SEE SHEET 585

 FOR UNDERDRAIN DETAILS, SEE SHEETS 68 TO 75

 FOR PAVEMENT QUANTITIES, SEE SHEETS 76 TO 79

 FOR STORM SEWER DETAILS, SEE SHEET 95, 584, 587, 588, 589, AND 590

 FOR INTERSECTION DETAILS, SEE SHEETS 696, 697, 701 AND 702

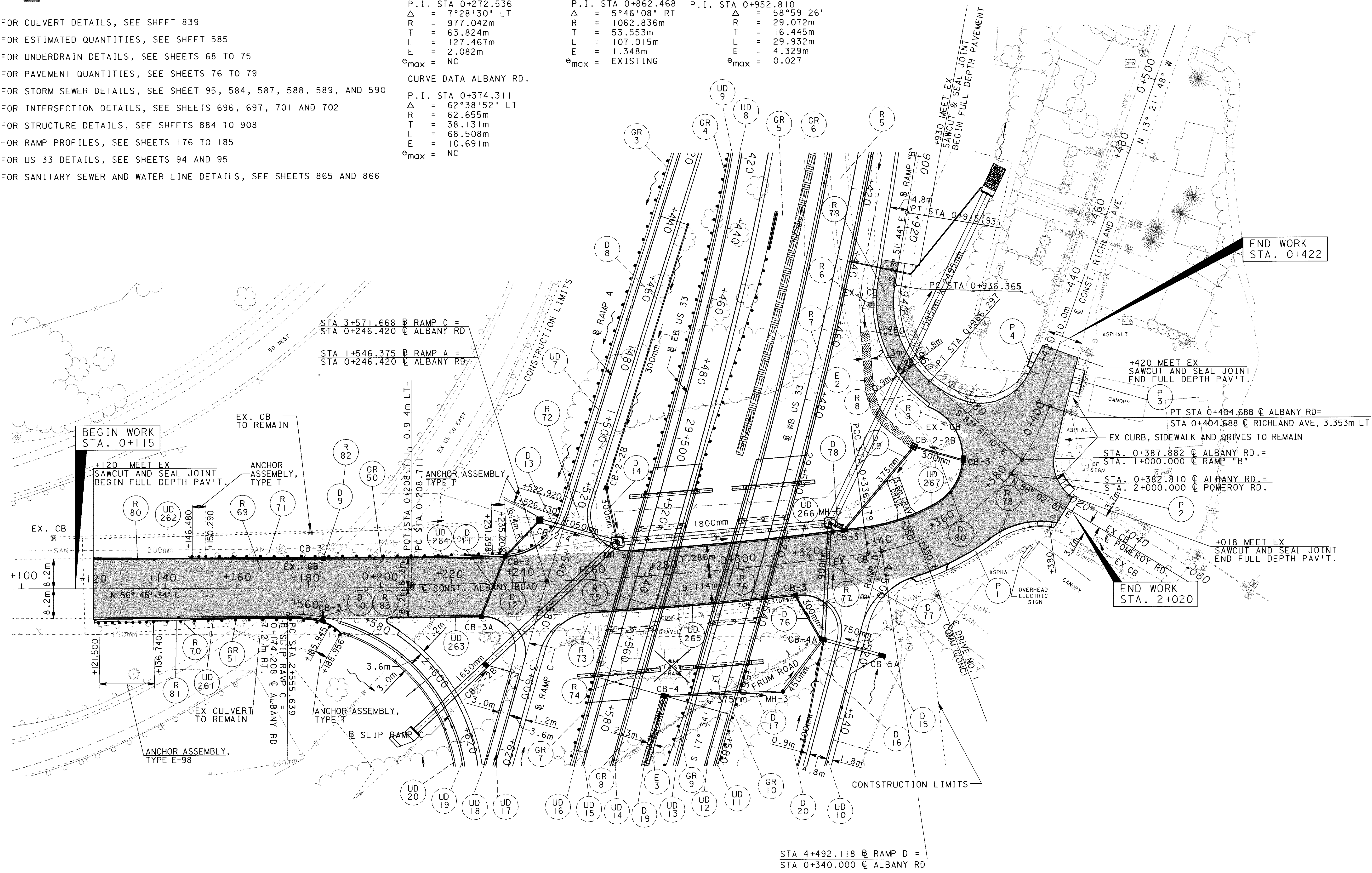
 FOR STRUCTURE DETAILS, SEE SHEETS 884 TO 908

 FOR RAMP PROFILES, SEE SHEETS 176 TO 185

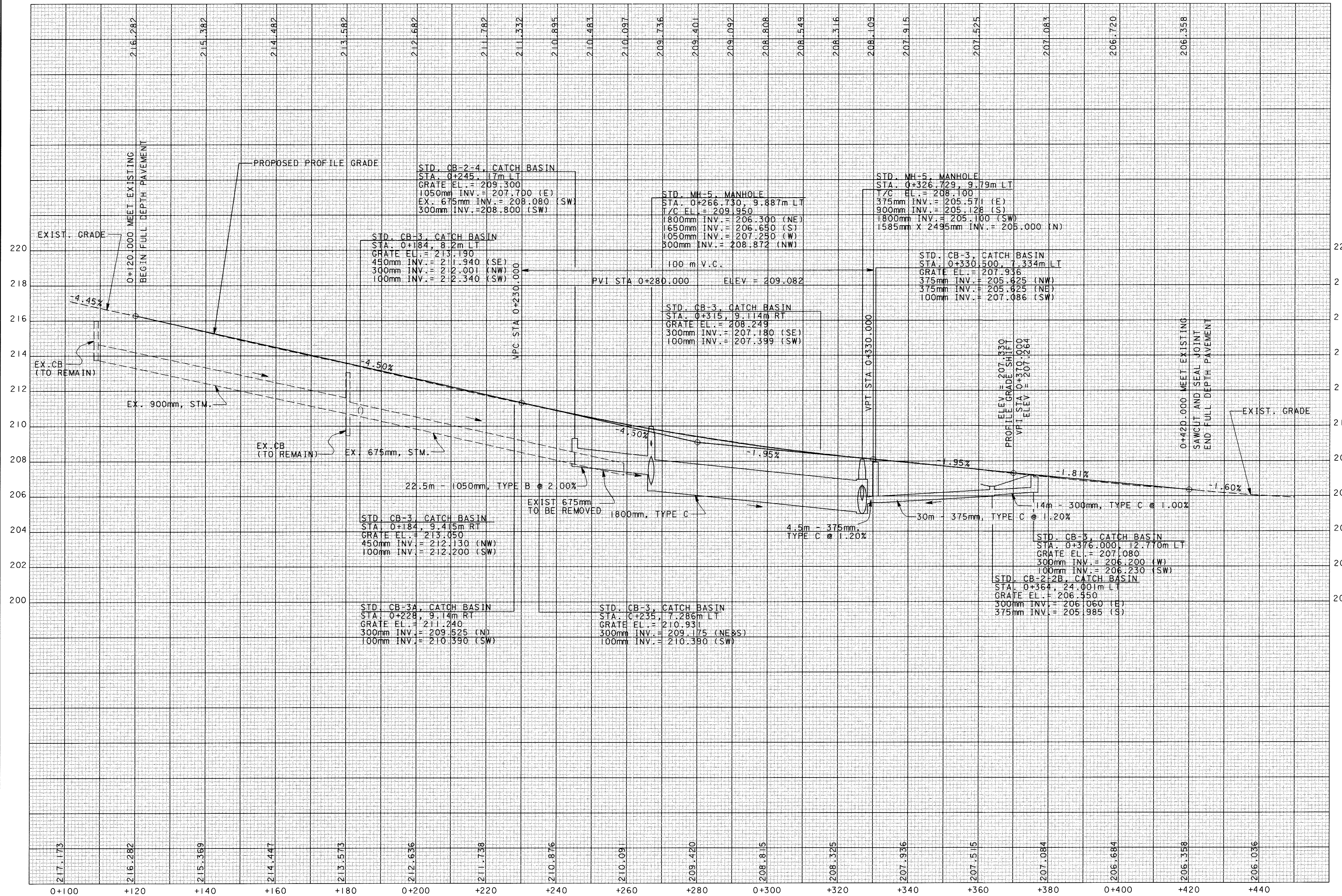
 FOR US 33 DETAILS, SEE SHEETS 94 AND 95

 FOR SANITARY SEWER AND WATER LINE DETAILS, SEE SHEETS 865 AND 866

CURVE DATA ALBANY RD. P.I. STA 0+272.536 $\Delta = 7^{\circ}28'30''$ LT R = 977.042m T = 63.824m L = 127.467m E = 2.082m $e_{max} = NC$	CURVE DATA RAMP B P.I. STA 0+862.468 $\Delta = 5^{\circ}46'08''$ RT R = 1062.836m T = 53.553m L = 107.015m E = 1.348m $e_{max} = EXISTING$	CURVE DATA RAMP B P.I. STA 0+952.810 $\Delta = 58^{\circ}59'26''$ R = 29.072m T = 16.445m L = 29.932m E = 4.329m $e_{max} = 0.027$
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**PROFILE - ALBANY ROAD
 STA 0+100 TO STA 0+450**

ATH-33-30.981

CALCULATED
 SAW
 CHECKED
 AM

REF NO.	SHEET NO.	STATION (ALL STATIONS ALONG ALBANY RD UNLESS OTHERWISE NOTED)		SIDE	202					202		603		603		603		603		604		604	
					PAVEMENT REMOVED	WALK REMOVED	CURB REMOVED	PIPE REMOVED, OVER 600mm	GUARDRAIL REMOVED	BUILDING DEMOLISHED	CATCH BASIN REMOVED	300mm CONDUIT, TYPE B	300mm CONDUIT, TYPE C	375mm CONDUIT, TYPE C	450mm CONDUIT, TYPE B	900mm CONDUIT, TYPE B	1050mm CONDUIT, TYPE B	CATCH BASIN, NO. 2-2B	CATCH BASIN, NO. 2-4	CATCH BASIN, NO. 3			
					SQ. METER	SQ. METER	METER	METER	METER	EACH	EACH	METER	METER	METER	METER	METER	METER	EACH	EACH	EACH			
FROM	TO																						
D9	583	0+184.000		LT																		1	
D10	583	0+184.000		RT																		1	
D11	583	0+228.000	0+235.000	LT/RT							17.5												
D12	583	0+235.000	0+245.000	LT								14.0										1	
D13	583	0+245.000	0+266.500	LT														22.5			1		
D14	583	0+264.000	0+266.500	LT																			
D76	583	0+315.000	29+540.000 (SB @)	LT/RT								15.0								1		1	
D77	583	0+326.729	29+540.000 (SB @)	LT								14.0											
D78	583	0+326.729	0+330.500	LT										4.5		32.0						1	
D79	583	0+330.500	0+363.975	LT										30.0						1			
D80	583	0+363.975	0+375.720	LT									14.0									1	
R69	583	0+120.000	0+420.000	LT/RT	4975																		
R70	583	0+122.000	0+272.000	RT					150														
R71	583	0+146.000	0+269.000	LT					123														
R72	583	0+244.000	0+259.000	LT				15															
R73	583	0+259.000		LT/RT				32.5															
R74	583	0+280.000		RT						1													
R75	583	0+275.000	0+283.000	RT	64																		
R76	583	0+283.000	0+326.000	RT			66																
R77	583	0+327.000		LT						1													
R78	583	0+348.000	0+380.000	RT			80																
R79	583	0+934.000	0+990.000 (RAMP B)	RT	402																		
R80	583	0+120.000	0+364.000	LT			242																
R81	583	0+120.000	0+380.000	RT			270																
R82	583	0+184.000		LT						1													
R83	583	0+184.000		RT						1													
TOTALS CARRIED TO ROADWAY SUBSUMMARY					5441	146	512	47.5	273	1	3	17.5	57.0	34.5	2	32.0	22.5		2	1	6		

ESTIMATED QUANTITIES
ALBANY ROAD - STA. 0+140 TO STA. 0+420

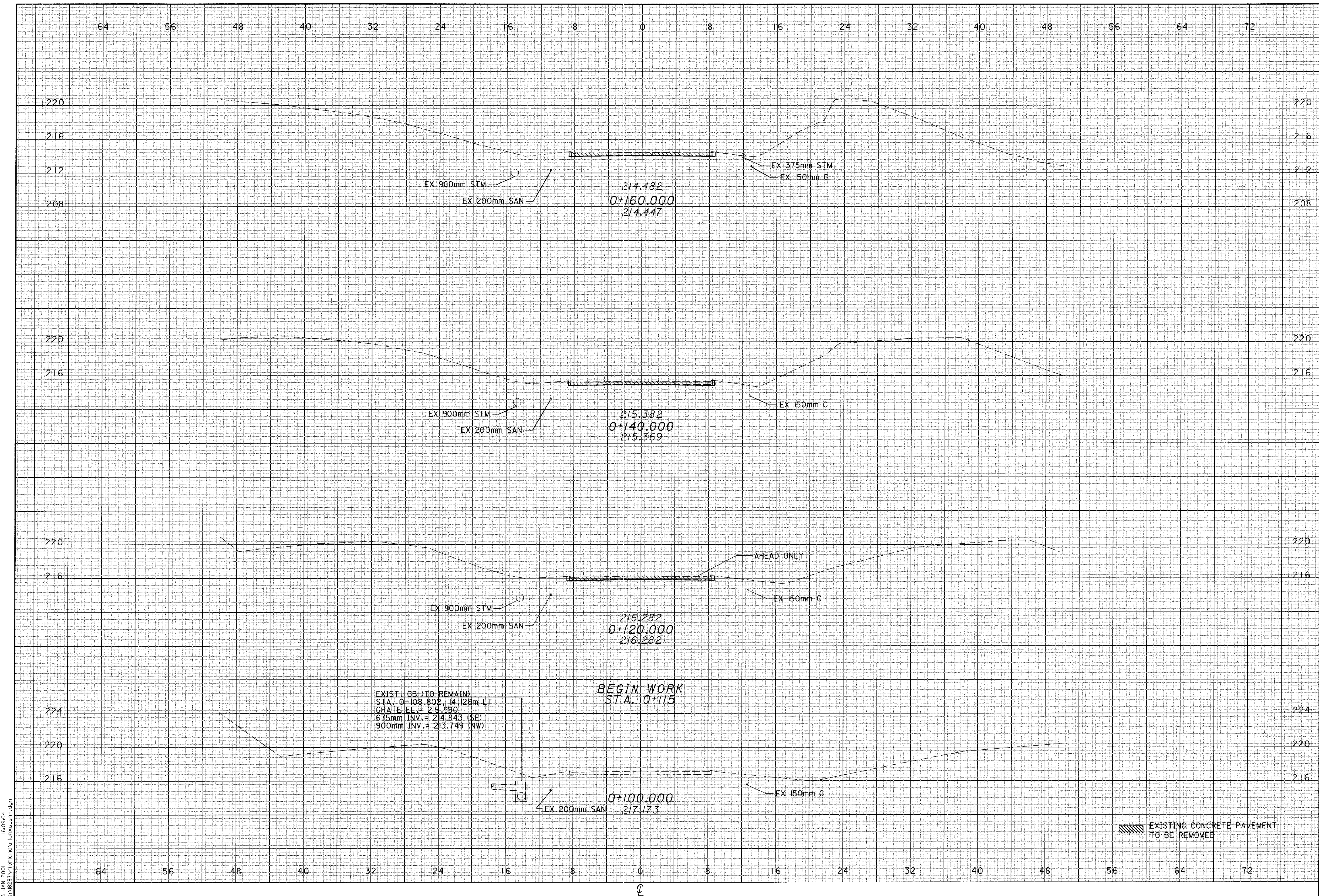
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CALCULATED
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REF NO.	SHEET NO.	STATION (ALL STATIONS ALONG ALBANY RD UNLESS OTHERWISE NOTED)		SIDE	202	202	604	604	606	606	606	608	608	608	626								
		FROM	TO		CURB REMOVED METER	WALK REMOVED SQ. METER	CATCH BASIN, NO. 3A EACH	CATCH BASIN, NO. 4A EACH	GUARDRAIL, TYPE 5 METER	ANCHOR ASSEMBLY, TYPE E-98 EACH	ANCHOR ASSEMBLY, TYPE T EACH	200mm CONCRETE WALK SQ. METER	CURB RAMP EACH	CURB RAMP SQ. METER	BARRIER REFLECTOR, TYPE A2 EACH								
D11	583	0+228.000	0+235.000	LT/RT			1																
D77	583	0+326.729	29+540.000 (SB)	LT				1															
P1	583	0+355.000	0+380.000	RT								48	1										
GR50	583	0+253.120	0+146.480	LT					99.06		2				4								
GR51	583	0+121.500	0+190.080	RT					49.53	1	1				3								
P2	583	0+378		RT	6.60	12.37								13.36									
P3	583	0+388		RT	6.50	17.85								18.83									
P4	583	0+414		LT	4.15	5.72								6.35									
TOTALS CARRIED TO ROADWAY SUBSUMMARY					17.25	35.94	1	1	148.59	1	3	48	1	38.54	7								

CALCULATED AM
 CHECKED PRS
ESTIMATED QUANTITIES
ALBANY ROAD - STA. 0+140 TO STA. 0+420
ATH-33-30.981
 585A
 956



CALCULATED
AM
CHECKED
PRS

CROSS SECTIONS
ALBANY ROAD - STA 0+100 TO 0+160

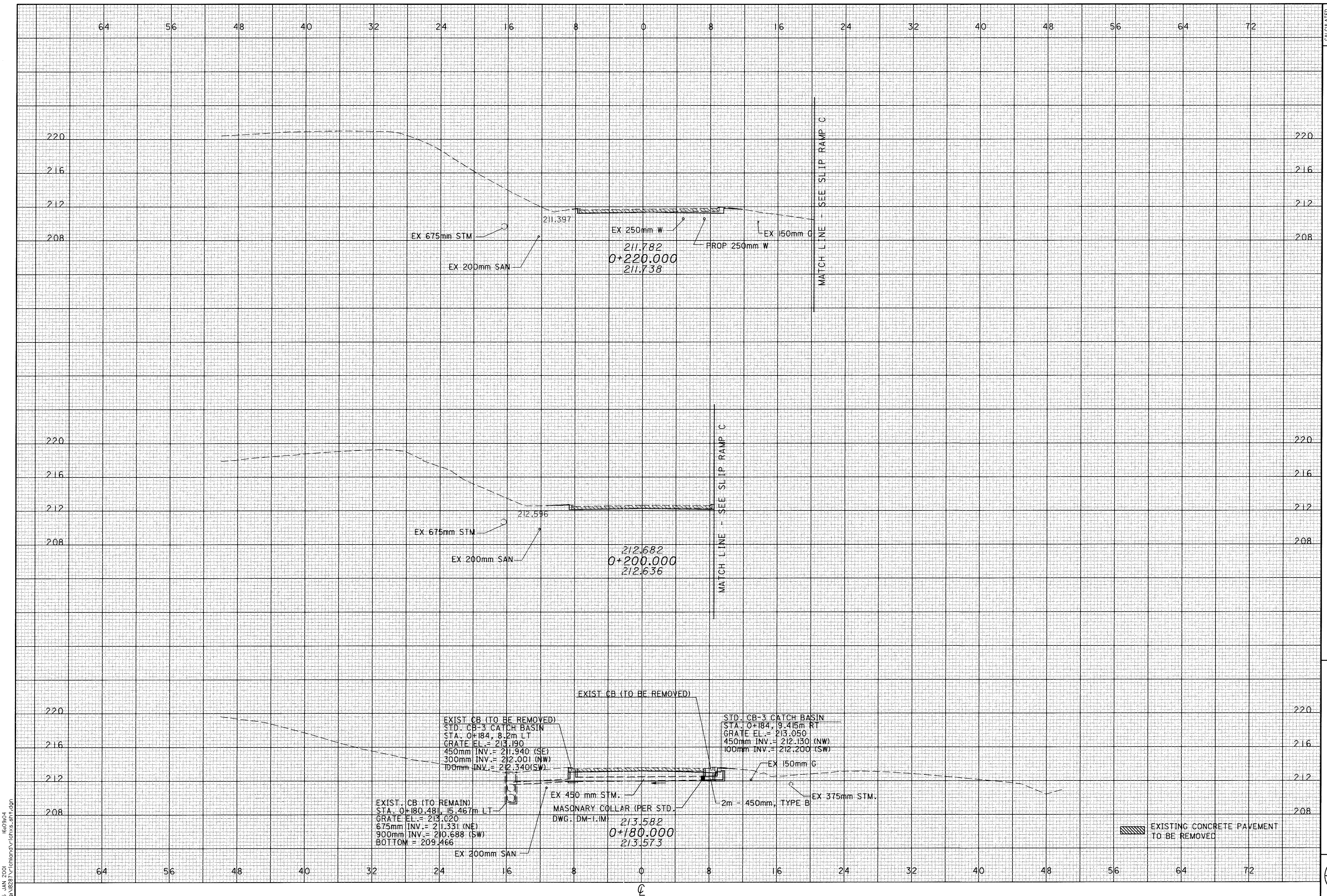
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16 JAN 2001 15:09:04
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EXIST. CB (TO REMAIN)
STA. 0+108.802 - 14.128m LT
GRATE EL. = 215.990
675mm INV. = 214.843 (SE)
900mm INV. = 213.749 (NW)

BEGIN WORK
STA. 0+115

EXISTING CONCRETE PAVEMENT
TO BE REMOVED



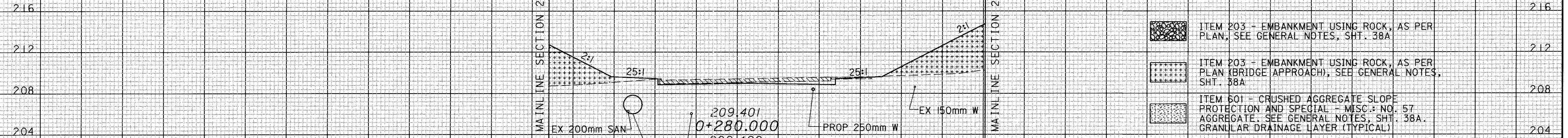
CALCULATED
AM
CHECKED
PRS

**CROSS SECTIONS
ALBANY ROAD - STA 0+180 TO 0+220**

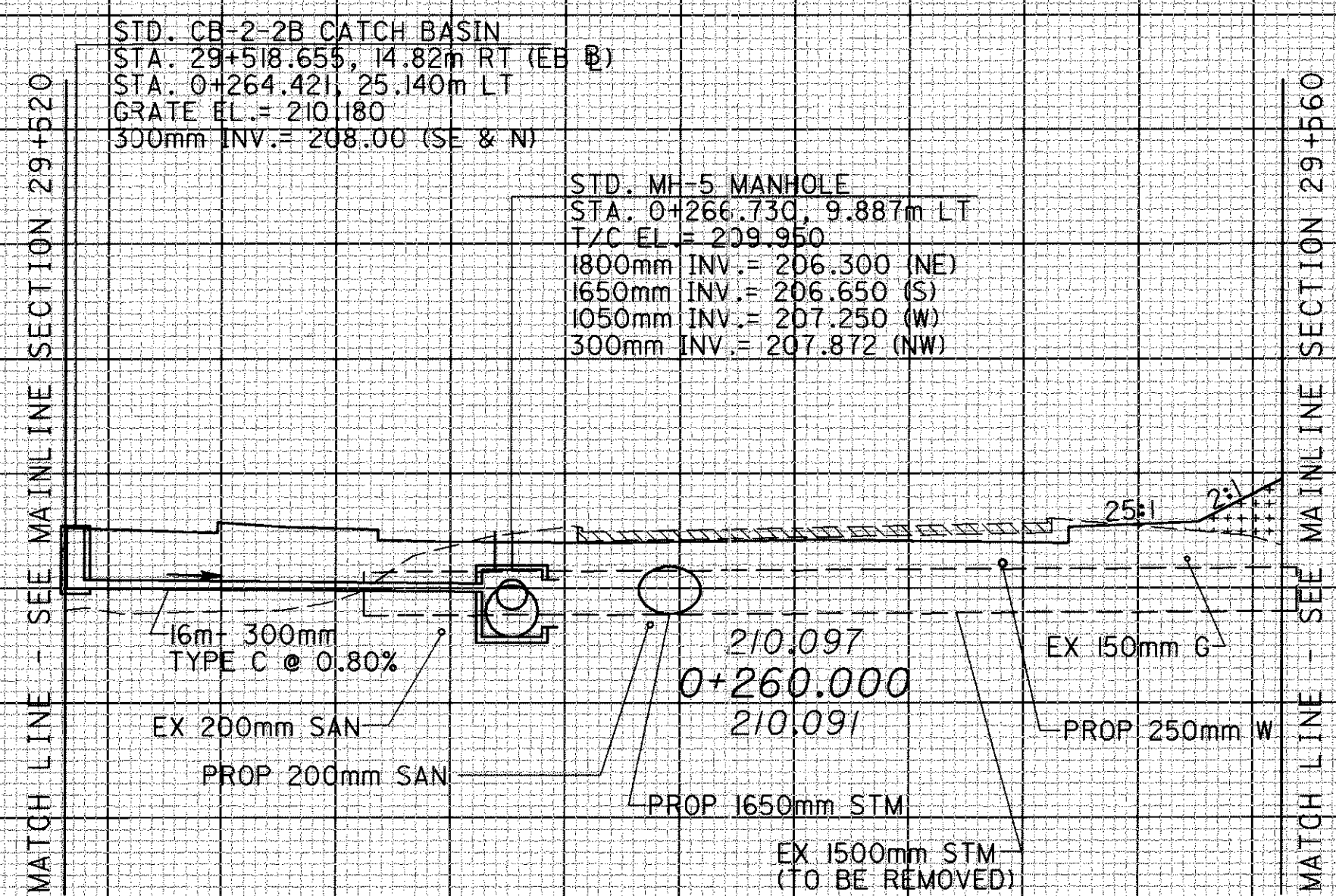
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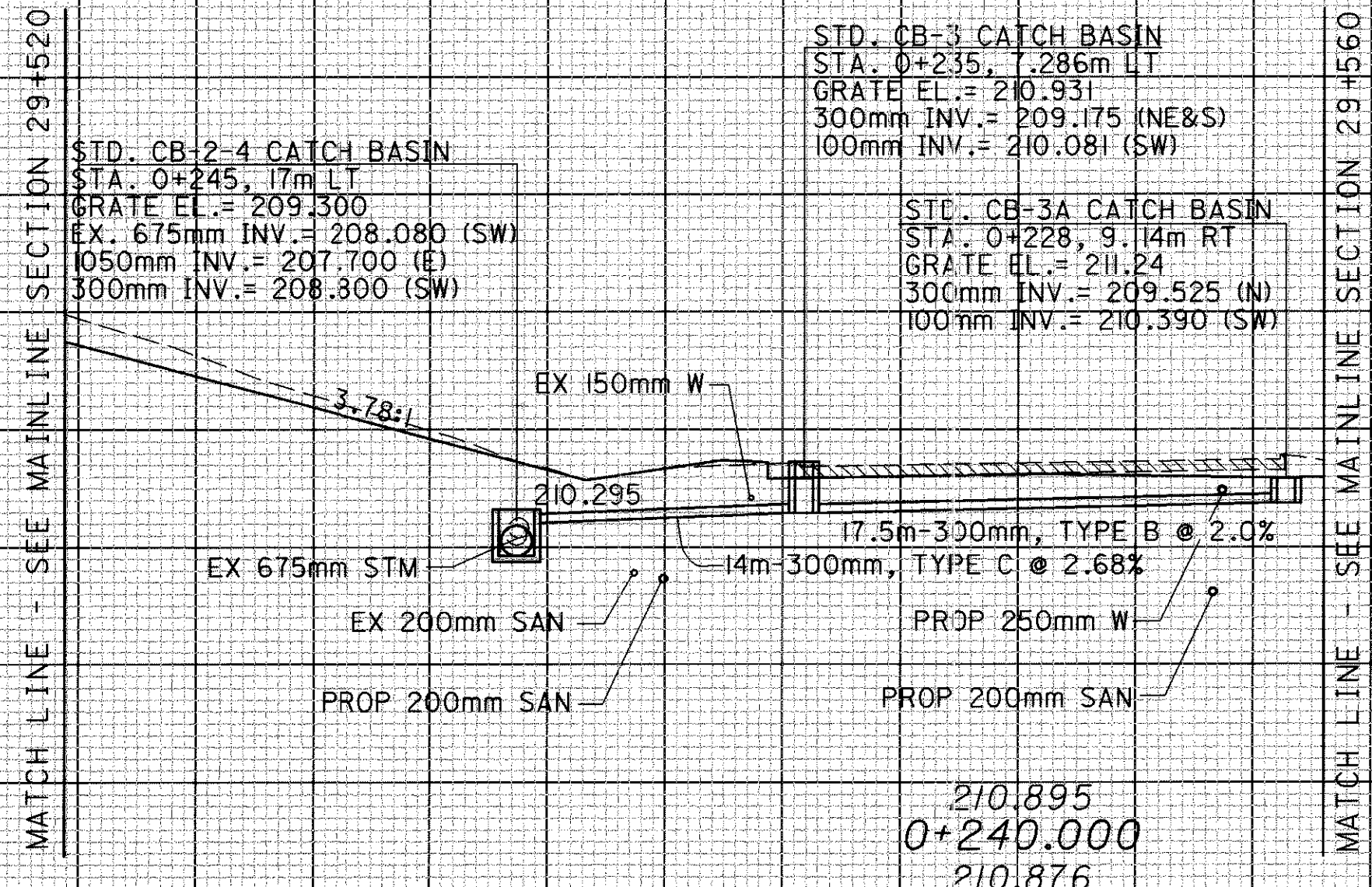


- ITEM 203 - EMBANKMENT USING ROCK, AS PER PLAN, SEE GENERAL NOTES, SHT. 38A
- ITEM 203 - EMBANKMENT USING ROCK, AS PER PLAN (BRIDGE APPROACH), SEE GENERAL NOTES, SHT. 38A
- ITEM 601 - CRUSHED AGGREGATE SLOPE PROTECTION AND SPECIAL - MISC. NO. 57 AGGREGATE. SEE GENERAL NOTES, SHT. 38A. GRANULAR DRAINAGE LAYER (TYPICAL)



STD. CB-2-2B CATCH BASIN
 STA. 29+518.655, 14.82m RT (EB Ⓟ)
 STA. 0+264.421, 25.140m LT
 GRATE EL. = 210.180
 300mm INV. = 208.00 (SE & N)

STD. MH-5 MANHOLE
 STA. 0+266.730, 9.887m LT
 T/C EL. = 209.950
 1800mm INV. = 206.300 (NE)
 1650mm INV. = 206.650 (S)
 1050mm INV. = 207.250 (W)
 300mm INV. = 207.872 (NW)



STD. CB-3 CATCH BASIN
 STA. 0+235.1286m LT
 GRATE EL. = 210.931
 300mm INV. = 209.175 (NE&S)
 100mm INV. = 210.081 (SW)

STD. CB-3A CATCH BASIN
 STA. 0+228.9.14m RT
 GRATE EL. = 211.24
 300mm INV. = 209.525 (N)
 100mm INV. = 210.390 (SW)

STD. CB-2-4 CATCH BASIN
 STA. 0+245.17m LT
 GRATE EL. = 209.300
 EX. 675mm INV. = 208.080 (SW)
 1050mm INV. = 207.700 (E)
 300mm INV. = 208.300 (SW)

EXISTING CONCRETE PAVEMENT TO BE REMOVED

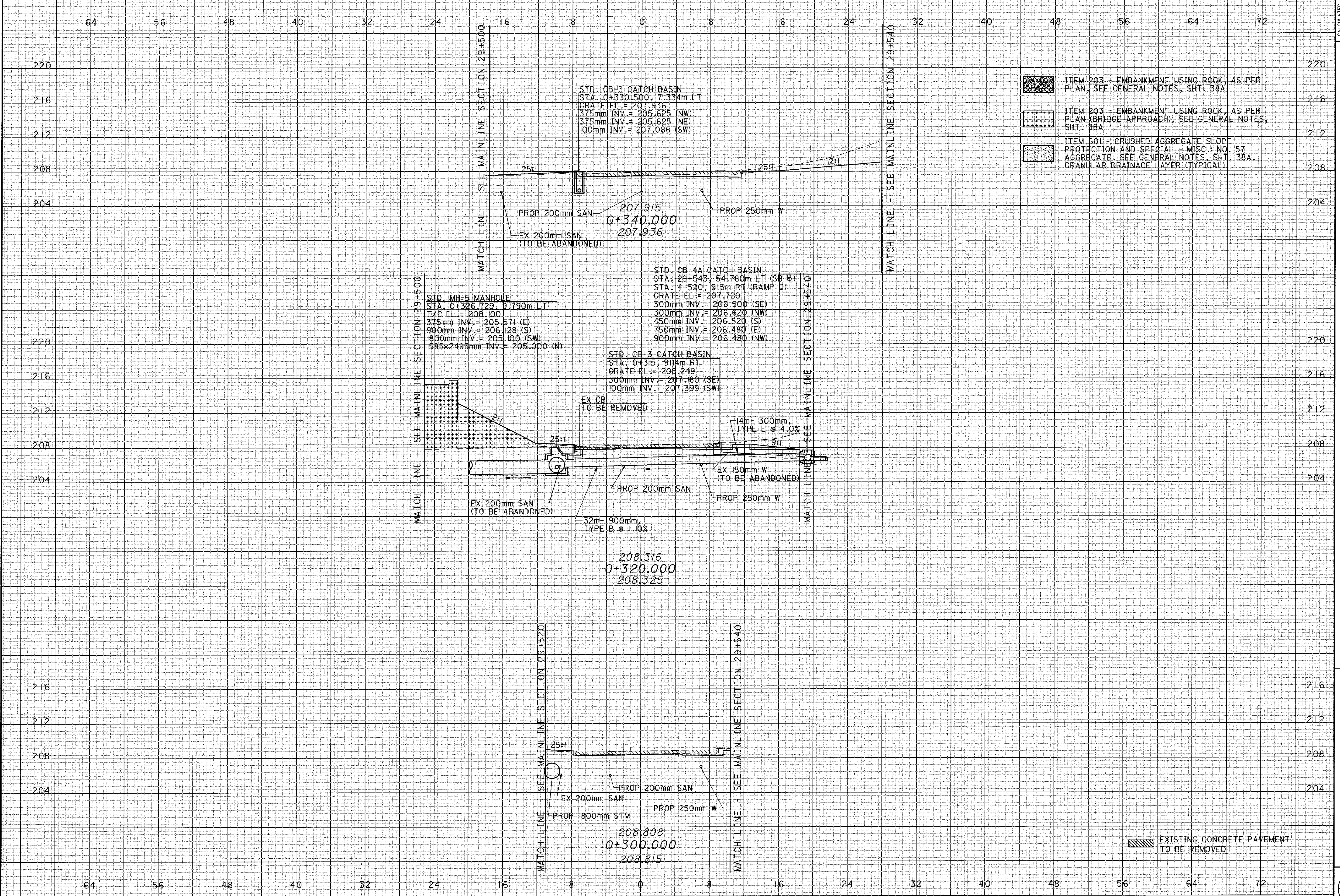
CALCULATED
AM
CHECKED
PRS

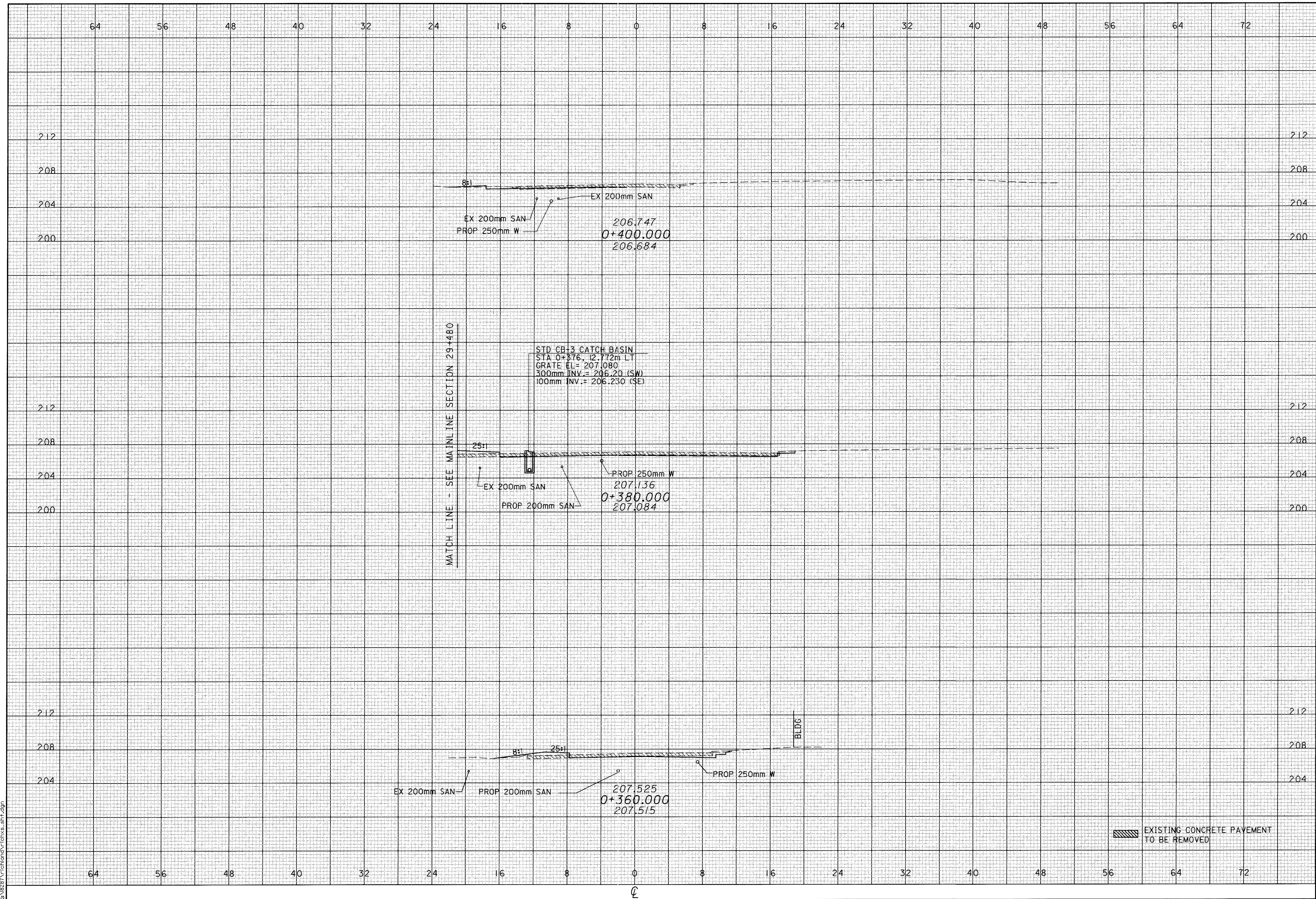
CROSS SECTIONS
ALBANY ROAD - STA 0+240 TO 0+280

ATH-33-30.981

588
956

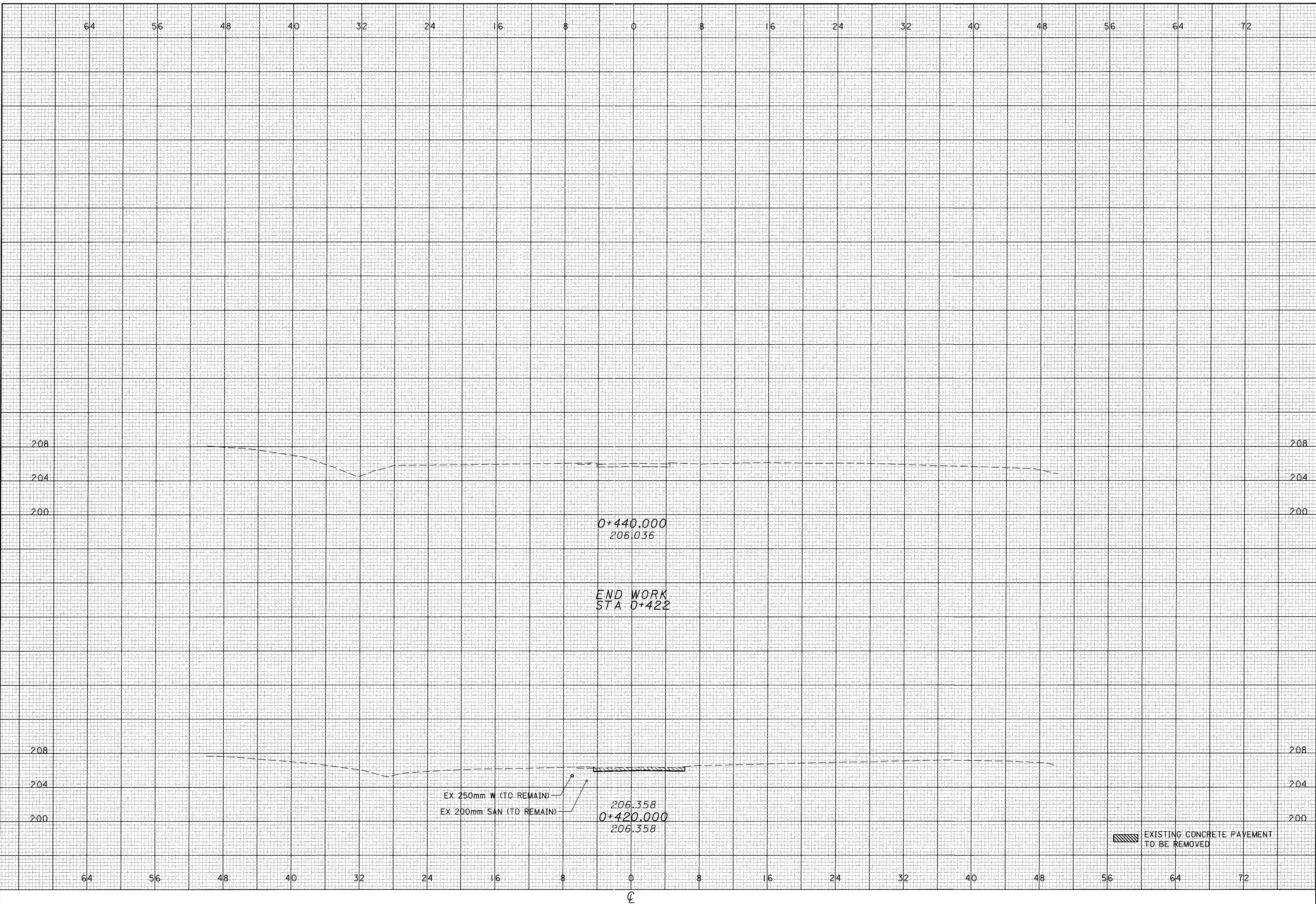
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16 JAN 2001 16:09:05
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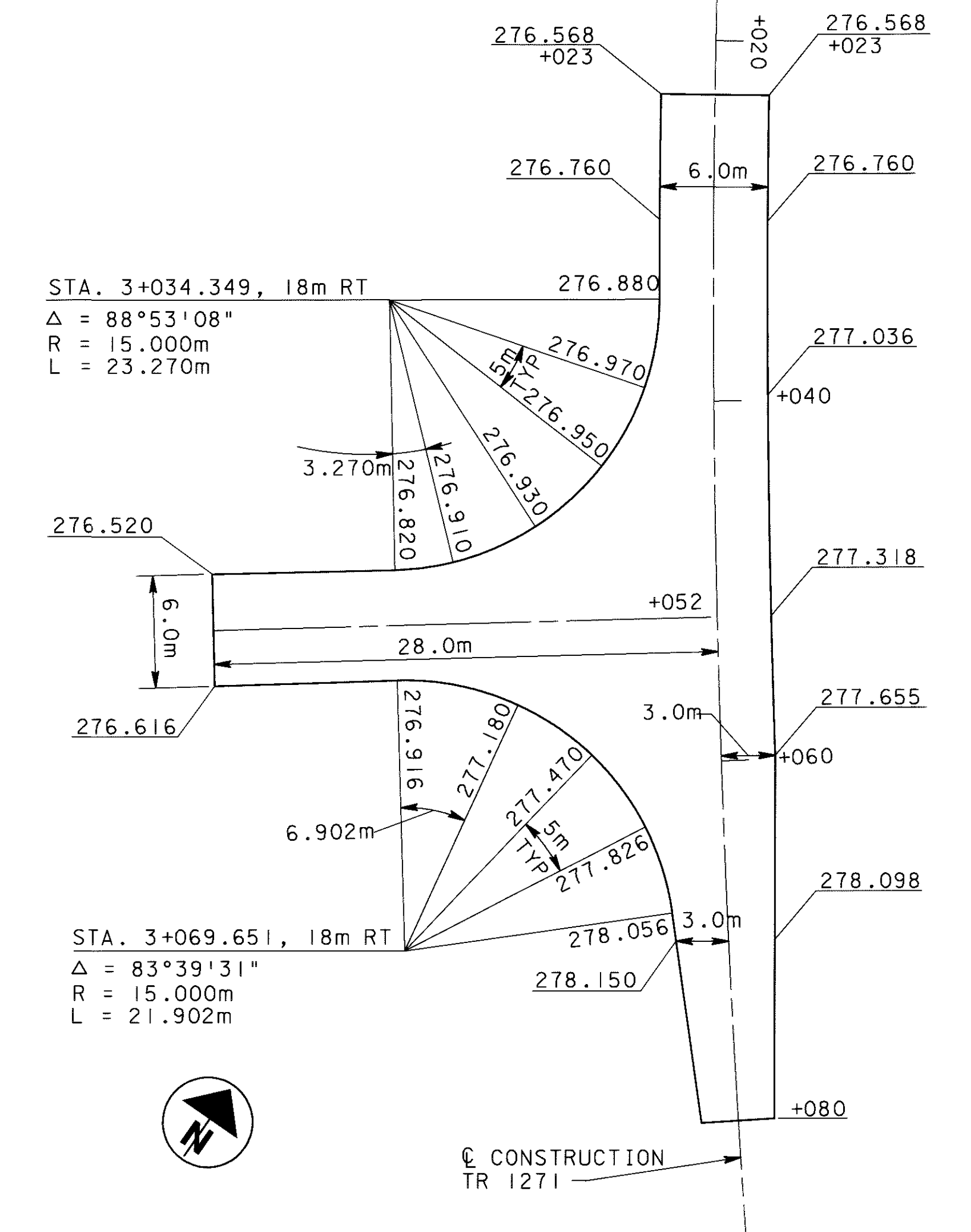
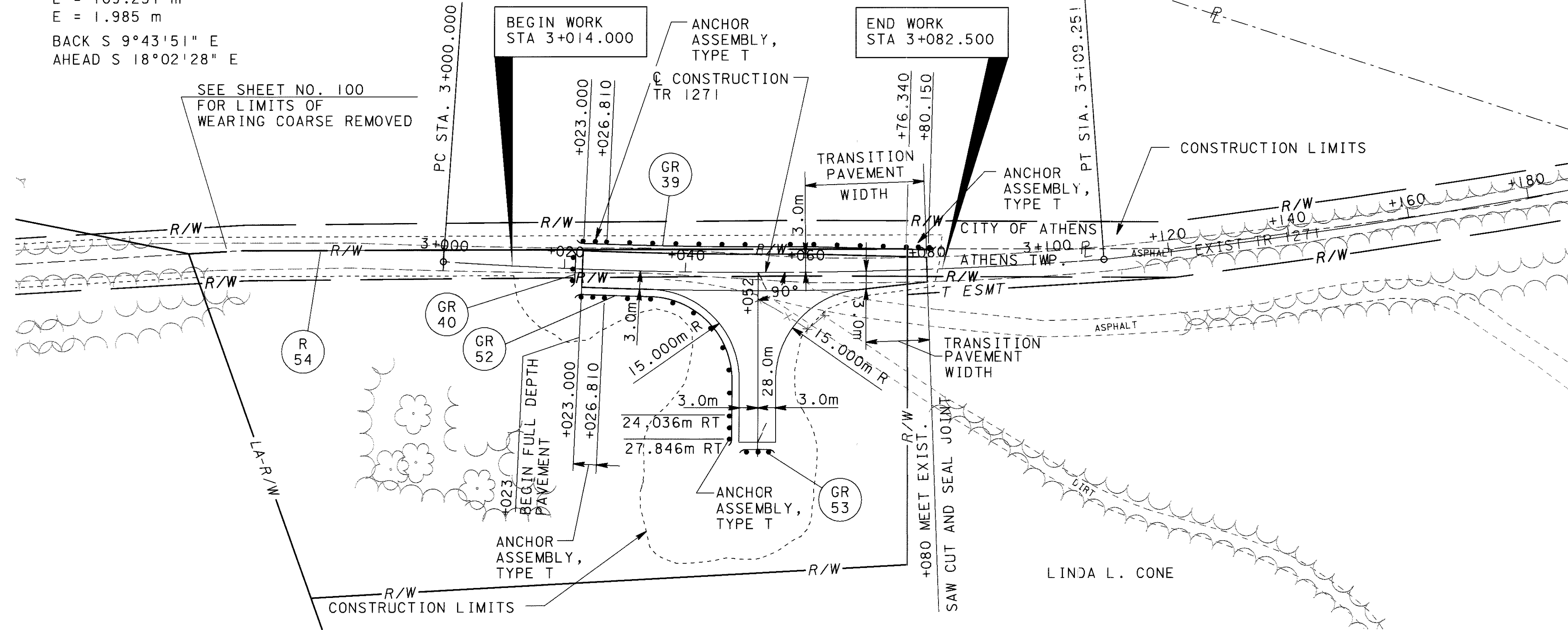


CALCULATED
AM
CHECKED
PRS

CROSS SECTIONS
ALBANY ROAD - STA 0+420 TO 0+440

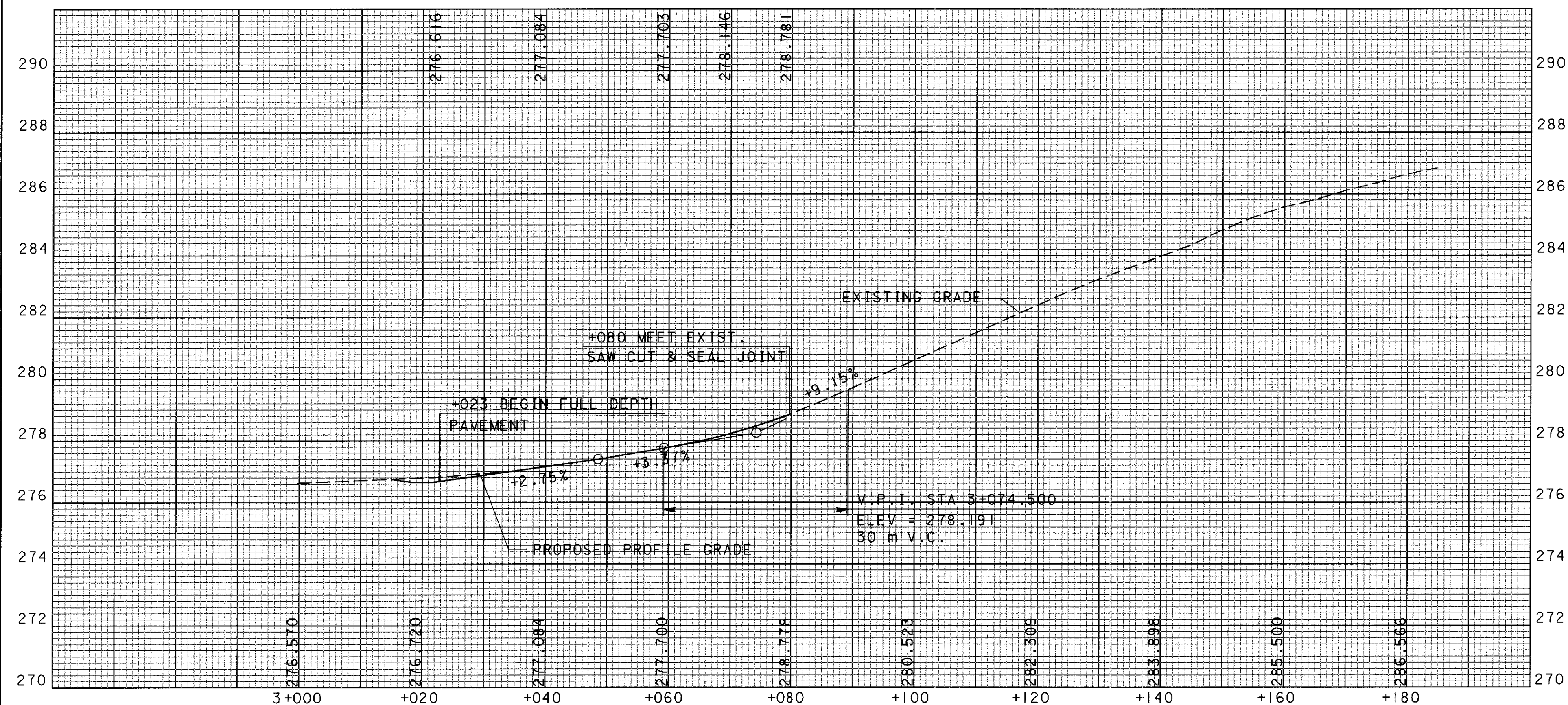
ATH-33-30.981

CURVE DATA TR 1271
 P.I. STA. = 3+054.722
 $\Delta = 8^\circ 18' 37''$ LT
 R = 753.238 m
 T = 54.722 m
 L = 109.251 m
 E = 1.985 m
 BACK S $9^\circ 43' 51''$ E
 AHEAD S $18^\circ 02' 28''$ E



PAVEMENT DETAIL
 NOT TO SCALE

FOR ESTIMATED QUANTITIES, SEE SHEET 594
 FOR PAVEMENT CALCULATIONS, SEE SHEET 76 TO 79



CALCULATED
 PRS
 CHECKED
 AM

TR 1271 PLAN & PROFILE
 STA 3+000 TO STA 3+100.555

ATH-33-30.981

16 APR 2009 15:48:11
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15 APR 2001 15:22:26
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REF NO.	SHEET NO.	STATION		SIDE	202	606	606	626													
		FROM	TO		WEARING COURSE REMOVED	GUARDRAIL, TYPE 5	ANCHOR ASSEMBLY, TYPE T	BARRIER REFLECTOR, TYPE A2	SQ. METER	METER	EACH	EACH									
GR39	593	3+023.000	3+080.150	LT		57.15	2	4													
GR40	593	3+022		LT&RT		7.62															
GR52	593	3+023.000	3+028.000	RT		41.91	2	2													
GR53	593	3+048.190	3+055.810	RT		7.62															
R54	593,100	30+120 (US 33)	3+040 (TR 1271)	LT&RT	710																
R55		NOT USED																			
TOTALS CARRIED TO ROADWAY SUBSUMMARY					710	114.30	4	6													

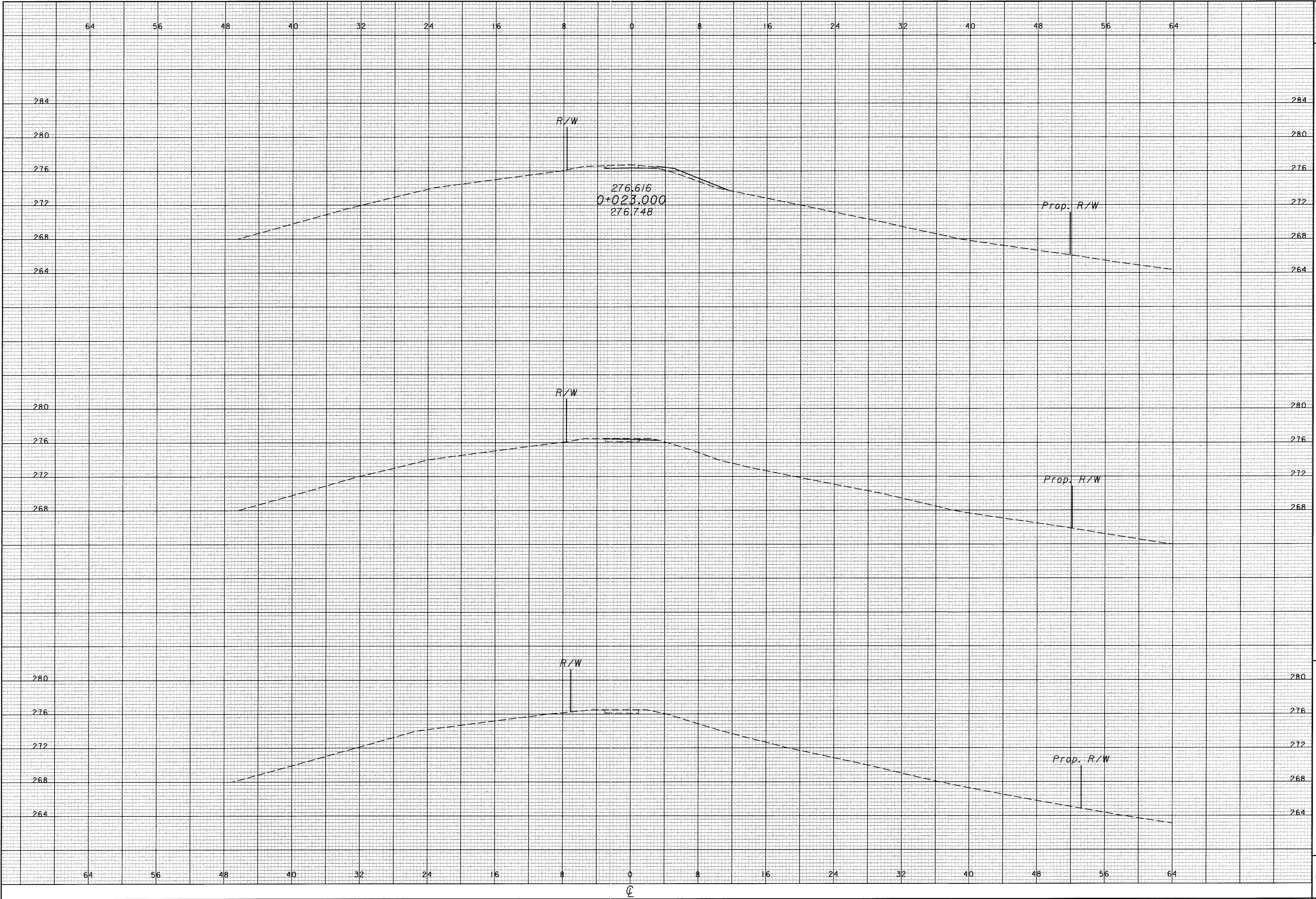
ESTIMATED QUANTITIES
TR 1271

ATH-33-30.981

594
956

CALCULATED
AML
CHECKED
AM

18 APR 2001 08:41:2
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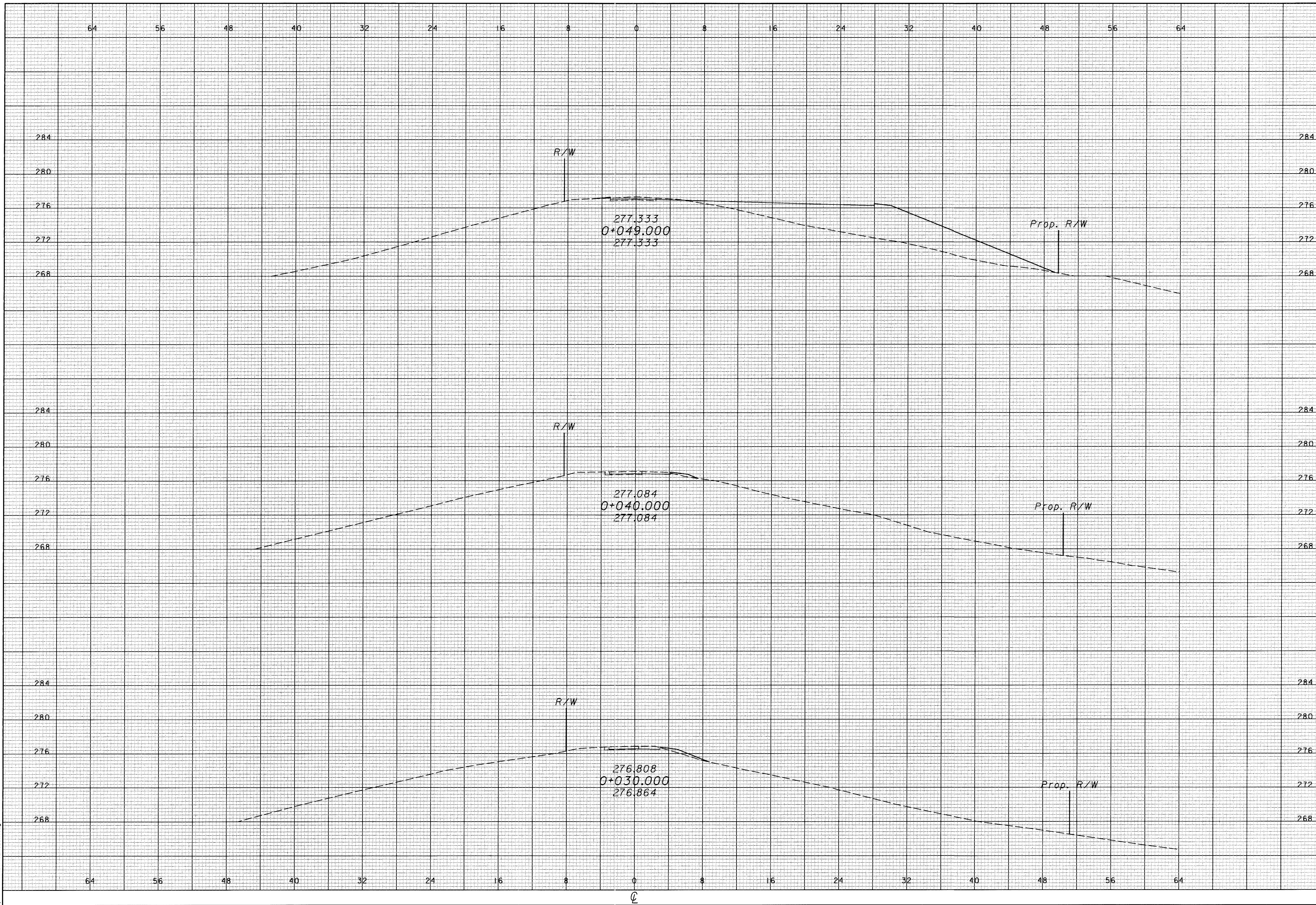
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
TR 1271 - STA 3+010 TO STA 3+030

ATH-33-30.981

595
956

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18 APR 2001



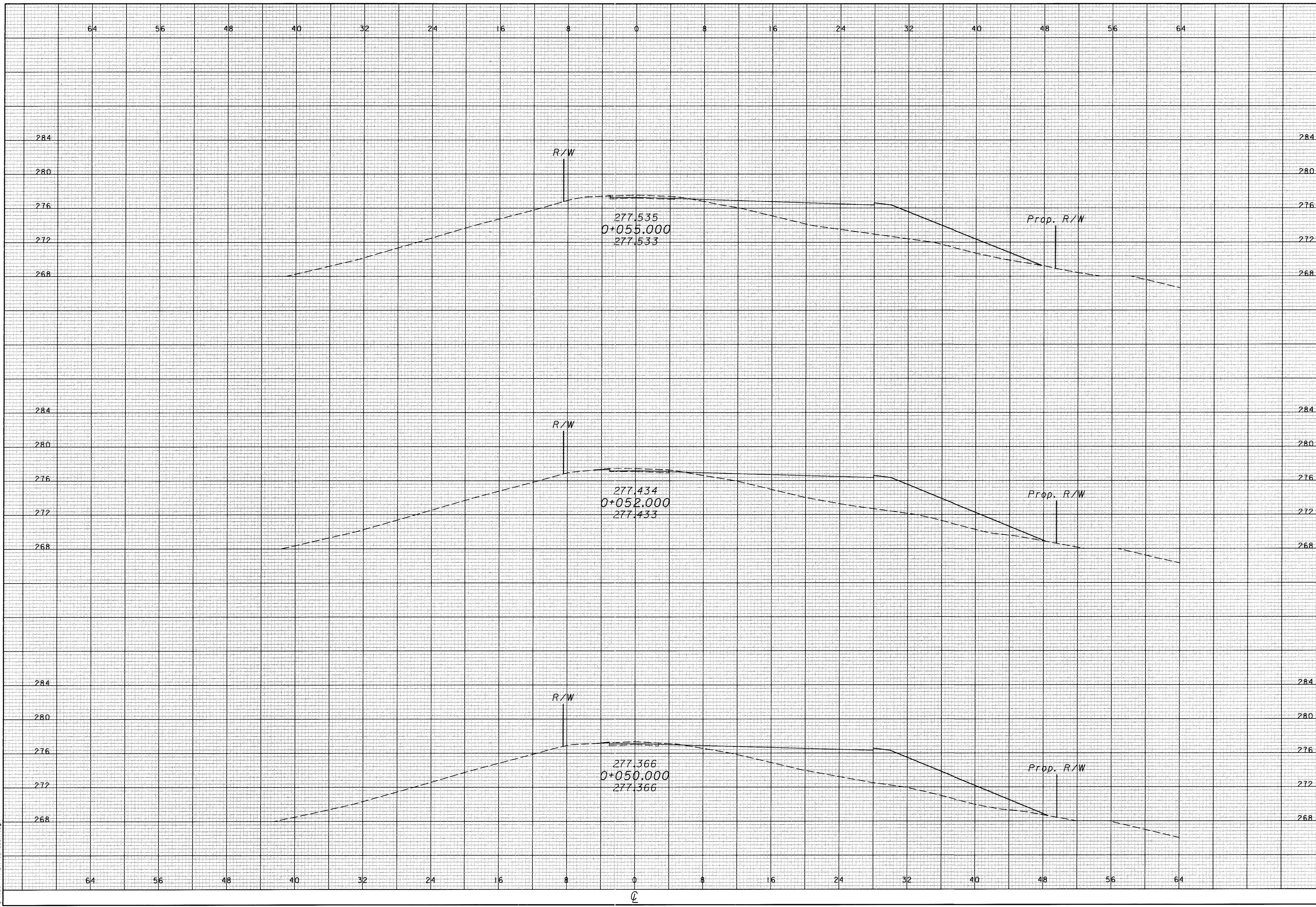
CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
TR 1271 - STA 3+040 TO STA 3+050

ATH-33-30.981

596
956

18 APR 2001 08:41:32
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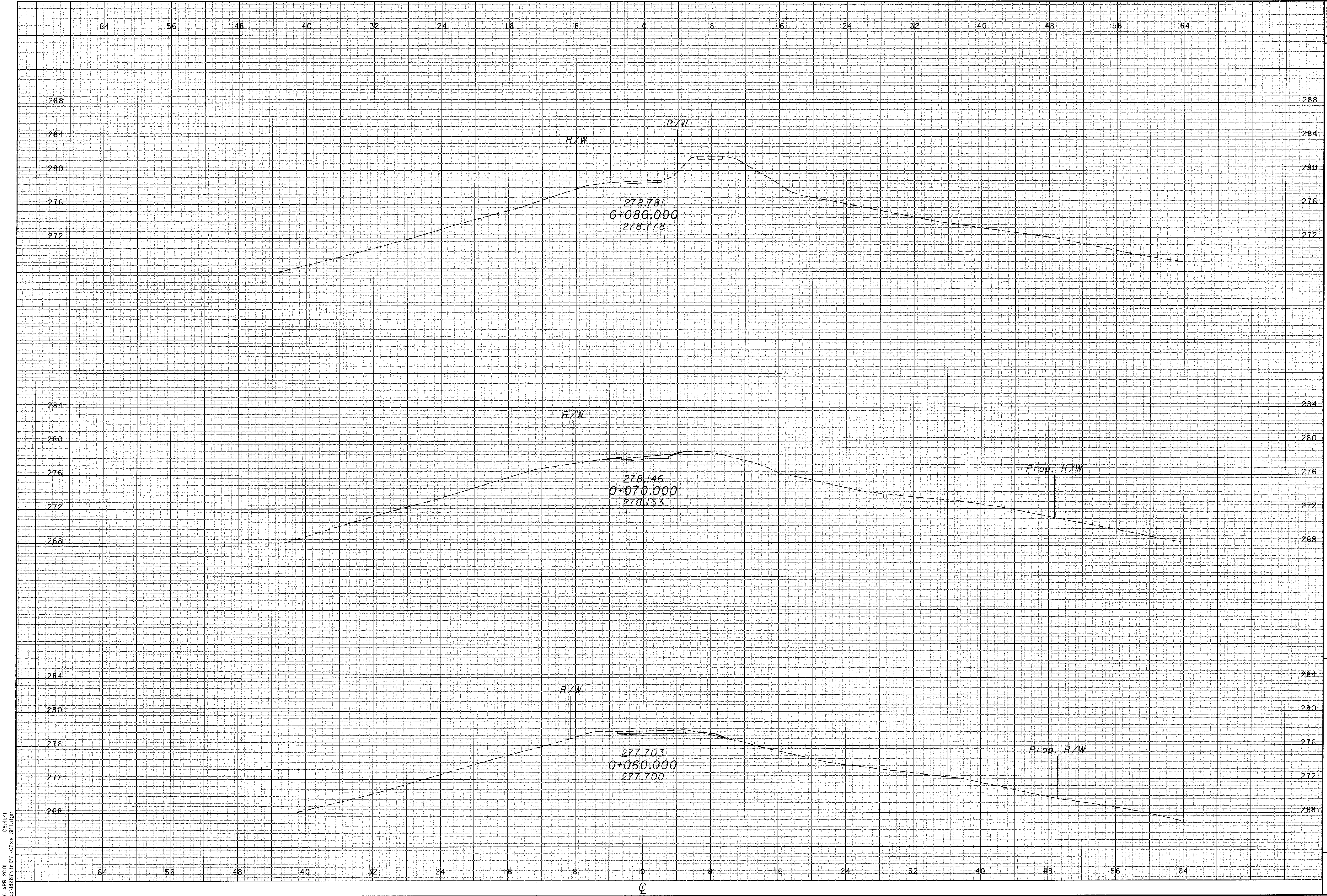


CALCULATED
PRS
CHECKED
TAL

CROSS SECTIONS
TR 1271 - STA 3+052 TO STA 3+060

ATH-33-30.981

597
956



18 APR 2001 08:41:41
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CALCULATED
 PRS
 CHECKED
 TAL

CROSS SECTIONS
 TR 1271 - STA 3+070 TO STA 3+090

ATH-33-30.981

