



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

December 6, 2016

CALL NO. 107
CONTRACT ID NO. 161269
ADDENDUM # 2

Subject: Russell County, NHPP 1271 (120)
Letting December 9, 2016

- (1) Revised - Plans
- (2) Revised - Bid Items - Pages 137-140(a) of 140

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-108.00	R2K

ITEM	DESCRIPTION	UNIT	US 127	KY 55	US 127 CONN. NO. 1	EX US 127 TO KY 55	KY 2284	APPROACH ROAD NO. 2	BALLINGER ROAD	WOOLDRIDGE ROAD	STORY LANE	FRONTAGE ROAD NO. 1	FRONTAGE ROAD NO. 2	FRONTAGE ROAD NO. 3	BELL ROAD	TEMP CONNECTOR	
71	CRUSHED AGGREGATE SIZE NO. 57	TON	10.7														10.7
78	CRUSHED AGGREGATE SIZE NO. 2	TON	53	1		1			4	1	3	5					68
1000	PERFORATED PIPE - 4 IN	LF	9,740	35		350			395	100	75	540					11,235
1010	NON-PERFORATED PIPE - 4 IN	LF	4,380	10		50			180	65	30	115					4,830
1020	PERFORATED PIPE HEADWALL TYPE 1 - 4 IN	EACH	31			1				1							33
1024	PERFORATED PIPE HEADWALL TYPE 2 - 4 IN	EACH	2														2
1028	PERFORATED PIPE HEADWALL TYPE 3 - 4 IN	EACH	15	1					4		3	5					28
1032	PERFORATED PIPE HEADWALL TYPE 4 - 4 IN	EACH	5														5
1065	STEEL ENCASMENT PIPE - 8 IN	LF	820														820
1982	DELINEATOR FOR GUARDRAIL - WHITE	EACH	200														200
2014	BARRICADE TYPE III	EACH	26														26
2091	REMOVE PAVEMENT	SQ. YD.	896				490		29	527					82		2,024
2159	TEMPORARY DITCH ②③	LF	33,400														33,400
2200	ROADWAY EXCAVATION ⑤	CU. YD.	4,484,998														4,484,998
2242	WATER (FOR DUST CONTROL) ④	MGAL	13														13
2259	FENCE - TEMPORARY ⑥	LF	1,000														1,000
2262	FENCE - WOVEN WIRE TYPE 1 ⑥	LF	45,293				452										45,745
2351	GUARDRAIL - STEEL W BEAM - S FACE	LF	8,750		712.5	200	725			450		850	50	150			11,887.5
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	3		1		1			1		1		1			8
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	9		1	2	1										13
2371	GUARDRAIL END TREATMENT TYPE 7	EACH										7	2	1			10
2373	GUARDRAIL END TREATMENT TYPE 3	EACH	2														2
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	1														1
2429	RIGHT-OF-WAY MONUMENT, TYPE 1	EACH	138	1	5	5	6	2	6	17	8						188
2432	WITNESS POST ⑦	EACH	35		1	1	2		2	4	2						47
23274ENIIF	TURF REINFORCEMENT MAT TYPE 1 ③	SQ. YD.	7,936														7,936
2488	CHANNEL LINING CLASS IV ③	CU. YD.	22,854														22,854
2545	CLEARING AND GRUBBING ①	LS	1														1
2562	SIGNS	SQ. FT.	840														840
2568	MOBILIZATION	LS	1														1
2569	DEMOBILIZATION	LS	1														1
2570	PROJECT CPM SCHEDULE	LS	1														1
2585	EDGE KEY	LF	40	21.8		23.6	20	20	11.2	15	18	16		12	10	23	230.6
2596	FABRIC - GEOTEXTILE TYPE I ③	SQ. YD.	33,475														33,475
2650	MAINTAIN & CONTROL TRAFFIC	LS	1														1
2651	DIVERSIONS (BY-PASS DETOURS) ⑨	LS	1														1
2651	DIVERSIONS (BY-PASS DETOURS) ⑩	LS	1														1
2651	DIVERSIONS (BY-PASS DETOURS) ⑪	LS	1														1
2651	DIVERSIONS (BY-PASS DETOURS) ⑫	LS	1														1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2														2
2690	SAFELADING	CU. YD.	2.2														2.2
2696	SHOULDER RUMBLE STRIPS - SAWED	LF	24,446														24,446
2701	TEMPORARY SILT FENCE ②③	LF	33,400														33,400
2703	SILT TRAP TYPE A ②③	EACH	237														237
2704	SILT TRAP TYPE B ②③	EACH	237														237
2705	SILT TRAP TYPE C ②③	EACH	237														237
2706	CLEAN SILT TRAP TYPE A ②③	EACH	2,133														2,133
2707	CLEAN SILT TRAP TYPE B ②③	EACH	2,133														2,133
2708	CLEAN SILT TRAP TYPE C ②③	EACH	2,133														2,133
2709	CLEAN TEMPORARY SILT FENCE ②③	LF	300,600														300,600
2726	STAKING	LS	1														1
2775	ARROW PANEL	EACH	2														2
5950	EROSION CONTROL BLANKET ③⑭	SQ. YD.	27,935														27,935

NOTES:

- ① APPROX. 237.0 ACRES
- ② ESTIMATED QUANTITY FROM EROSION CONTROL PLANS
- ③ INCLUDES APPROACH ROADS QUANTITIES
- ④ ESTIMATED AT 2.125 M. GALLONS PER MILE (FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY)
- ⑤ SEE SHEETS R2P, R2O & R2R FOR EARTHWORK DUE TO ALTERNATE PAVEMENT BID
- ⑥ CONTRACTOR SHALL CONTACT AND COORDINATE WITH ANY OWNERS ALONG EXIST. FENCE THAT HAS LIVESTOCK
- ⑦ ESTIMATED AT 25% OF R/W MONUMENTS
- ⑧ ESTIMATED AT 10% OF TOTAL SEEDING AND PROTECTION
- ⑨ DETOUR BYPASS DIVERSION - CONNECTOR
- ⑩ DETOUR BYPASS DIVERSION - BALLINGER
- ⑪ DETOUR BYPASS DIVERSION - END TIE
- ⑫ DETOUR BYPASS DIVERSION - CONNECTION 869+00
- ⑬ 100% OF THE TOTAL LINEAR FEET OF STORM SEWER AND CULVERT PIPE UNDER ROADWAY AND 50% THAT ARE NOT UNDER ROADWAY (SEE SUPPLEMENTAL SPECIFICATIONS)
- ⑭ EROSION CONTROL BLANKET QUANTITY INCLUDES - 27,291 SQ. YDS FOR SLOPE PROTECTION - 644 SQ. YDS. FOR DITCHES
- ⑮ FOR USE ON RESIDENTIAL LAWN AND/OR AS DIRECTED BY THE ENGINEER
- ⑯ ESTIMATED AT 300 LBS/ACRE
- ⑰ ESTIMATED AT THE RATE OF 11.5 LBS/1000 S.F.
- ⑱ ESTIMATED AT 3 TONS/ACRE
- ⑲ USE SERICEA LESPEDEZA FOR SLOPES > 3:1
- ⑳ SEE PROPOSAL FOR SPECIAL NOTE FOR ALTERNATE PAVEMENT BID ADJUSTMENT

FOR PAVING QUANTITIES -
SEE PAVING SUMMARY SHEET

FOR PIPE DRAINAGE QUANTITIES -
SEE PIPE DRAINAGE SUMMARY SHEETS

US 127
GENERAL SUMMARY

FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION_ADDENDUM 1_2016\2024\R0020KSU.DGN

USER: qjanoVIC
DATE PLOTTED: December 5, 2016

E-SHEET NAME: R0020KSU

MicroStation v8.11.3.459

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-108.00	R2K

REVISED 12-6-16

ITEM	DESCRIPTION	UNIT	US 127	KY 55	US 127 CONN. NO. 1	EX US 127 TO KY 55	KY 2284	APPROACH ROAD NO. 2	BALLINGER ROAD	WOOLDRIDGE ROAD	STORY LANE	FRONTAGE ROAD NO. 1	FRONTAGE ROAD NO. 2	FRONTAGE ROAD NO. 3	BELL ROAD	TEMP CONNECTOR	
71	CRUSHED AGGREGATE SIZE NO. 57	TON	10.7														10.7
78	CRUSHED AGGREGATE SIZE NO. 2	TON	53	1		1			4	1	3	5					68
1000	PERFORATED PIPE - 4 IN	LF	9,740	35		350			395	100	75	540					11,235
1010	NON-PERFORATED PIPE - 4 IN	LF	4,380	10		50			180	65	30	115					4,830
1020	PERFORATED PIPE HEADWALL TYPE 1 - 4 IN	EACH	31			1				1							33
1024	PERFORATED PIPE HEADWALL TYPE 2 - 4 IN	EACH	2														2
1028	PERFORATED PIPE HEADWALL TYPE 3 - 4 IN	EACH	15	1					4		3	5					28
1032	PERFORATED PIPE HEADWALL TYPE 4 - 4 IN	EACH	5														5
1065	STEEL ENCASUREMENT PIPE - 8 IN	LF	820														820
1982	DELINEATOR FOR GUARDRAIL - WHITE	EACH	200														200
2014	BARRICADE TYPE III	EACH	26														26
2091	REMOVE PAVEMENT	SQ. YD.	896				490		29	527					82		2,024
2159	TEMPORARY DITCH ②③	LF	33,400														33,400
2200	ROADWAY EXCAVATION ⑤	CU. YD.	4,484,998														4,484,998
2242	WATER (FOR DUST CONTROL) ④	MGAL	13														13
2259	FENCE - TEMPORARY ⑥	LF	1,000														1,000
2262	FENCE - WOVEN WIRE TYPE 1 ⑥	LF	45,293				452										45,745
2351	GUARDRAIL - STEEL W BEAM - S FACE	LF	8,750		712.5	200	725			450		850	50	150			11,887.5
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	3		1		1			1		1		1			8
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	9		1	2	1										13
2371	GUARDRAIL END TREATMENT TYPE 7	EACH										7	2	1			10
2373	GUARDRAIL END TREATMENT TYPE 3	EACH	2														2
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	1														1
2429	RIGHT-OF-WAY MONUMENT, TYPE 1	EACH	138	1	5	5	6	2	6	17	8						188
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23274ENIIF	TURF REINFORCEMENT MAT TYPE 1 ③	SQ. YD.	7,936														7,936
2488	CHANNEL LINING CLASS IV ③	CU. YD.	22,854														22,854
2545	CLEARING AND GRUBBING ①	LS	1														1
2562	SIGNS	SQ. FT.	840														840
2568	MOBILIZATION	LS	1														1
2569	DEMOBILIZATION	LS	1														1
2570	PROJECT CPM SCHEDULE	LS	1														1
2585	EDGE KEY	LF	40	21.8		23.6	20	20	11.2	15	18	16		12	10	23	230.6
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2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2														2
2690	SAFELOADING	CU. YD.	2.2														2.2
2696	SHOULDER RUMBLE STRIPS - SAWED	LF	24,446														24,446
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2708	CLEAN SILT TRAP TYPE C ②③	EACH	2,133														2,133
2709	CLEAN TEMPORARY SILT FENCE ②③	LF	300,600														300,600
2726	STAKING	LS	1														1
2775	ARROW PANEL	EACH	2														2
5950	EROSION CONTROL BLANKET ③⑭	SQ. YD.	27,935														27,935

NOTES:

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- ③ INCLUDES APPROACH ROADS QUANTITIES
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- ⑤ SEE SHEETS R2P, R2O & R2R FOR EARTHWORK DUE TO ALTERNATE PAVEMENT BID
- ⑥ CONTRACTOR SHALL CONTACT AND COORDINATE WITH ANY OWNERS ALONG EXIST. FENCE THAT HAS LIVESTOCK
- ⑦ ESTIMATED AT 25% OF R/W MONUMENTS
- ⑧ ESTIMATED AT 10% OF TOTAL SEEDING AND PROTECTION
- ⑨ DETOUR BYPASS DIVERSION - CONNECTOR
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- ⑪ DETOUR BYPASS DIVERSION - END TIE
- ⑫ DETOUR BYPASS DIVERSION - CONNECTION 869+00
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- ⑭ EROSION CONTROL BLANKET QUANTITY INCLUDES - 27,291 SQ. YDS FOR SLOPE PROTECTION - 644 SQ. YDS. FOR DITCHES
- ⑮ FOR USE ON RESIDENTIAL LAWN AND/OR AS DIRECTED BY THE ENGINEER
- ⑯ ESTIMATED AT 300 LBS/ACRE
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FOR PAVING QUANTITIES -
SEE PAVING SUMMARY SHEET

FOR PIPE DRAINAGE QUANTITIES -
SEE PIPE DRAINAGE SUMMARY SHEETS

US 127
GENERAL SUMMARY

FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION_ADDENDUM 1_2016\202\PO020K\SU.DGN

USER: qjanoVIC
DATE PLOTTED: December 5, 2016

E-SHEET NAME: PO020K\SU

MicroStation v8.11.3.459

PAVING AREAS - ASPHALT ALTERNATE A

ITEM CODE	DEPTH (inches)	ITEM	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	CONNECTOR DIVERSION	END TIE DIVERSION	TEMP. TIE TO BALLINGER ROAD DIVERSION	TRAFFIC CONTROL	S Q U A R E					TOTALS	
											S	Q	U	A	R		E
24		ROCK ROADBED (A)	132,229														144,288
		TRAFFIC LANES (MAINLINE)															
339	1.25	CL 3 ASPH SURF 0.38D PG64-22	44,959														44,959
214	3.75	CL 3 ASPH BASE 1.00D PG64-22	45,234														45,234
214	4	CL 3 ASPH BASE 1.00D PG64-22	46,057														46,057
3	4	CRUSHED STONE BASE	46,960														46,960
		SHOULDER (MAINLINE)															
301	1.25	CL 2 ASPH SURF 0.38D PG64-22	21,065														21,065
212	3.75	CL 2 ASPH BASE 1.00D PG64-22	21,065														21,065
3	8	CRUSHED STONE BASE	21,065														21,065
3		CRUSHED STONE BASE (FULL DEPTH) (A)	4,588														4,588
291		EMULSIFIED ASPHALT RS-2	11,605														11,605
100		ASPHALT SEAL AGGREGATE	11,605														11,605
		TRAFFIC LANES (APPROACH RD & SHOULDER)															
301	1.25	CL2 ASPH SURF 0.38D PG64-22	1,985	22,789													24,774
212	3	CL2 ASPH BASE 1.00D PG64-22	2,002	23,308													25,310
212	3	CL2 ASPH BASE 1.00D PG64-22	1,729	4,910													6,639
3	4	CRUSHED STONE BASE	1,772	23,087													24,859
3	7	CRUSHED STONE BASE	316	1,016													1,332
		ENTRANCES															
301	1.25	CL2 ASPH SURF 0.38D PG64-22			6,129												6,129
212	3	CL2 ASPH BASE 1.00D PG64-22			6,129												6,129
3	4	CRUSHED STONE BASE			6,129												6,129
20	4	TRAFFICE BOUND BASE			3,642												3,642
		DIVERSIONS & CONST. ACCESS															
301	1.25	CL2 ASPH SURF 0.38D PG64-22				2,836		3,365	459	142							6,802
301	2	CL2 ASPH SURF 0.38D PG64-22							500								500
212	6	CL2 ASPH BASE 1.00D PG64-22				2,836		3,365	459	147							6,807
212	8	CL2 ASPH BASE 1.00D PG64-22								388							388
3	4	CRUSHED STONE BASE				2,836		3,365	459	155							6,815
3	10	CRUSHED STONE BASE								388							388

(A) QUANTITY SHOWN IN CUBIC YARDS

PAVING SUMMARY - ASPHALT ALTERNATE A

ITEM CODE	ITEM	UNIT	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	CONNECTOR DIVERSION	END TIE DIVERSION	TEMP. TIE TO BALLINGER ROAD DIVERSION	TRAFFIC CONTROL	TOTALS						
											S	Q	U	A	R	D	S
3	CRUSHED STONE BASE (1)(4)	TONS	32,987	535	5,719	1,410	652	774	106	259							42,442
20	TRAFFICE BOUND BASE (1)	TONS				838				1,000							1,838
100	ASPHALT SEAL AGGREGATE (2)	TONS	232														232
212	CL 2 ASPH BASE 1.00D PG64-22	TONS	4,345	616	4,656	1,011	936	1,110	151	219							13,044
214	CL 3 ASPH BASE 1.00D PG64-22	TONS	19,462														19,462
103	ASPHALT SEAL COAT (3)	TONS	28														28
301	CL 2 ASPH SURF 0.38D PG64-22	TONS	1,448	136	1,567	421	195	231	32	65							4,095
339	CL 3 ASPH SURF 0.38D PG64-22	TONS	3,091														3,091
2200	ROADWAY EXCAVATION (5)(6)	CU. YD.															4,484,998

EARTHWORK TOTALS

EXCAVATION	EMBANKMENT
1,180,405	3,554,983
15,304	1,014
40,228	18,608
1,662	6,175
11,520	28,665
413	947
1,058	1,518
8,114	15,037
6,961	801
1,292	57
3,882	10,779
2,111	798
17,456	3,102
1,106	335
16,428	24
5,761	132,229
2,924,240	22,522
19,618	20,026
4,257,559	3,817,620
TOTAL EXCAVATION	TOTAL EMBANKMENT

COM MAINLINE US 127
 COM ENT. @ ML STA. 726+50
 COM FRONTAGE ROAD 1
 COM KY 55
 COM US 127 CONNECTOR NO.1
 COM EX. US 127 TO KY 55
 COM BELL ROAD
 COM ENT. @ ML STA. 803+50
 COM KY 2284
 COM BALLINGER ROAD
 COM APPROACH ROAD 2
 COM WOOLDRIDGE ROAD
 COM FRONTAGE ROAD 2
 COM FRONTAGE ROAD 3
 COM STORY LANE
 COM TEMP CONNECTOR
 COM SOLID ROCK
 COM PYRITIC ROCK

EMBANKMENT
 3,554,983
 1,014
 18,608
 6,175
 28,665
 947
 1,518
 15,037
 801
 57
 10,779
 798
 3,102
 335
 24
 132,229
 22,522
 20,026
 3,817,620

EMBANKMENT BENCHING
 164,719
 163,720
 4,484,998

ROADWAY EXCAVATION INCLUDES
 1,313,701 COMMON
 2,924,240 SOLID ROCK
 19,618 PYRITIC ROCK
 164,719 EMBANKMENT BENCHING
 163,720 TRANSVERSE BENCHING
 4,484,998 TOTAL EXCAVATION

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
 (1) ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
 (2) ESTIMATED AT 20 LBS. PER SQ. YD. (TWO APPLICATIONS).
 (3) ESTIMATED AT 2.4 LBS. PER SQ. YD. (TWO APPLICATIONS).
 (4) INCLUDES 10% ADDITIONAL MATERIAL IN BOTTOM 4" OF THE PAVEMENT DESIGN AS A CONSTRUCTION TOLERANCE ON ROCK SUBGRADE.
 (5) INCLUDES APPROACH ROADS QUANTITIES
 (6) ROADWAY EXCAVATION INCLUDES

PAVING AREAS - CONCRETE ALTERNATE B

ITEM CODE	ITEM DEPTH (inches)	ITEM	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	U	A	R	E	DIVERSION	TEMP. TIE TO BALLINGER ROAD DIVERSION	Y	A	R	D	S	TOTALS
24		ROCK ROADBED (A)	132,229															144,288
		TRAFFIC LANES (MAINLINE)																
2084	8	JPC PAVEMENT - 8 IN	44,959															44,959
3	5	CRUSHED STONE BASE	44,959															44,959
		SHOULDER (MAINLINE)																
2078	6	JPC PAVEMENT - 6 IN SHLD	21,065															21,065
3	7	CRUSHED STONE BASE	21,065															21,065
3		CRUSHED STONE BASE (FULL DEPTH) (A)	4,588															4,588
291		EMULSIFIED ASPHALT RS-2	11,605															11,605
100		ASPHALT SEAL AGGREGATE	11,605															11,605
		TRAFFIC LANES (APPROACH RD & SHOULDER)																
301	1.25	CL2 ASPH SURF 0.38D PG64-22	1,985	22,789														24,774
212	3	CL2 ASPH BASE 1.00D PG64-22	2,002	23,308														25,310
212	3	CL2 ASPH BASE 1.00D PG64-22	1,729	4,910														6,639
3	4	CRUSHED STONE BASE	1,772	23,087														24,859
3	7	CRUSHED STONE BASE	316	1,016														1,332
		ENTRANCES																
301	1.25	CL2 ASPH SURF 0.38D PG64-22				6,129												6,129
212	3	CL2 ASPH BASE 1.00D PG64-22				6,129												6,129
3	4	CRUSHED STONE BASE				6,129												6,129
20	4	TRAFFICE BOUND BASE				3,642												3,642
		DIVERSIONS & CONST. ACCESS																
301	1.25	CL2 ASPH SURF 0.38D PG64-22					2,836			3,365	459	142						6,802
301	2	CL2 ASPH SURF 0.38D PG64-22									500							500
212	6	CL2 ASPH BASE 1.00D PG64-22					2,836			3,365	459	147						6,807
212	8	CL2 ASPH BASE 1.00D PG64-22									388							388
3	4	CRUSHED STONE BASE					2,836			3,365	459	155						6,815
3	10	CRUSHED STONE BASE									388							388

(A) QUANTITY SHOWN IN CUBIC YARDS

PAVING SUMMARY - CONCRETE ALTERNATE B

ITEM CODE	ITEM	UNIT	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	CONNECTOR	DIVERSION	TEMP. TIE TO BALLINGER ROAD DIVERSION	END TIE DIVERSION	TRAFFIC CONTROL	TOTALS
3	CRUSHED STONE BASE (1)(4)	TONS	33,992	535	5,719	1,410	652	774	106	774	223	43,447
20	TRAFFICE BOUND BASE (1)	TONS				838					1,000	1,838
100	ASPHALT SEAL AGGREGATE (2)	TONS	232									232
212	CL 2 ASPH BASE 1.00D PG64-22	TONS		616	4,656	1,011	936	1,110	151	1,110	171	8,699
103	ASPHALT SEAL COAT (3)	TONS	28									28
301	CL 2 ASPH SURF 0.38D PG64-22	TONS		136	1,567	421	195	231	32	231	55	2,647
2078	JPC PAVEMENT - 6 IN SHLD	SO. YD.	21,065									21,065
2084	JPC PAVEMENT - 8 IN	SO. YD.	44,959									44,959
2200	ROADWAY EXCAVATION (5)(6)	CU. YD.										4,481,295

EARTHWORK TOTALS

EXCAVATION	EMBANKMENT
1,179,258	3,557,215
15,304	1,014
40,228	18,608
1,662	6,175
11,520	28,665
413	947
1,058	1,518
8,114	15,037
6,961	801
1,292	57
3,882	10,779
2,111	798
17,456	3,102
1,106	335
16,428	24
5,761	132,229
2,921,684	22,522
19,618	20,026
4,253,856	3,819,852
TOTAL EXCAVATION	TOTAL EMBANKMENT
	4,481,295

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
 - ESTIMATED AT 20 LBS. PER SQ. YD. (TWO APPLICATIONS).
 - ESTIMATED AT 2.4 LBS. PER SQ. YD. (TWO APPLICATIONS).
 - INCLUDES 10% ADDITIONAL MATERIAL IN BOTTOM 4" OF THE PAVEMENT DESIGN AS A CONSTRUCTION TOLERANCE ON ROCK SUBGRADE.
 - INCLUDES APPROACH ROADS QUANTITIES
 - ROADWAY EXCAVATION INCLUDES:
 - 1,312,554 COMMON
 - 2,921,684 SOLID ROCK
 - 19,618 PYRITIC ROCK
 - 62,720 EMBANKMENT BENCHING
 - 164,719 TRANSVERSE BENCHING

US 127 RUSSELL COUNTY
 PAVEMENT SUMMARY
 ALTERNATE B (CONC. W/CONC. SHLD.)

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-108.00	R20

NOTES

PAVING AREAS – CONCRETE LANES – ASPHALT SHOULDER ALTERNATE C

ITEM CODE	DEPTH (inches)	ITEM	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	CONNECTOR	TRAFFIC CONTROL	Y	A	R	D	S	TOTALS
	24	ROCK ROADBED	(A) 132,229											144,288
		TRAFFIC LANES (MAINLINE)												
2084	8	JPC PAVEMENT - 8 IN	44,959											44,959
3	5	CRUSHED STONE BASE	44,959											44,959
		SHOULDER (MAINLINE)												
301	1.25	CL 2 ASPH SURF 0.38D PG64-22	21,065											21,065
212	3.75	CL 2 ASPH BASE 1.00D PG64-22	21,065											21,065
3	8	CRUSHED STONE BASE	21,065											21,065
3		CRUSHED STONE BASE (FULL DEPTH) (A)	4,588											4,588
291		EMULSIFIED ASPHALT RS-2	11,605											11,605
100		ASPHALT SEAL AGGREGATE	11,605											11,605
		TRAFFIC LANES (APPROACH RD & SHOULDER)												
301	1.25	CL2 ASPH SURF 0.38D PG64-22	1,985	22,789										24,774
212	3	CL2 ASPH BASE 1.00D PG64-22	2,002	23,308										25,310
212	3	CL2 ASPH BASE 1.00D PG64-22	1,729	4,910										6,639
3	4	CRUSHED STONE BASE	1,772	23,087										24,859
3	7	CRUSHED STONE BASE	316	1,016										1,332
		ENTRANCES												
301	1.25	CL2 ASPH SURF 0.38D PG64-22			6,129									6,129
212	3	CL2 ASPH BASE 1.00D PG64-22			6,129									6,129
3	4	CRUSHED STONE BASE			6,129									6,129
20	4	TRAFFICE BOUND BASE			3,642									3,642
		DIVERSIONS & CONST. ACCESS												
301	1.25	CL2 ASPH SURF 0.38D PG64-22				2,836		3,365	142					6,802
301	2	CL2 ASPH SURF 0.38D PG64-22							500					500
212	6	CL2 ASPH BASE 1.00D PG64-22				2,836		3,365	147					6,807
212	8	CL2 ASPH BASE 1.00D PG64-22							388					388
3	4	CRUSHED STONE BASE				2,836		3,365	155					6,815
3	10	CRUSHED STONE BASE							388					388

(A) QUANTITY SHOWN IN CUBIC YARDS

PAVING SUMMARY – CONCRETE LANES – ASPHALT SHOULDER ALTERNATE C

ITEM CODE	ITEM	UNIT	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	CONNECTOR	DIVERSION	TEMP. TIE TO BALLINGER ROAD	END TIE DIVERSION	TRAFFIC CONTROL	Y	A	R	D	S	TOTALS
3	CRUSHED STONE BASE	(1)(4) TONS	35,324	535	5,719	1,410	652		106	774	223						44,779
20	TRAFFICE BOUND BASE	(1) TONS				838					1,000						1,838
100	ASPHALT SEAL AGGREGATE	(2) TONS	232														232
212	CL 2 ASPH BASE 1.00D PG64-22	(2) TONS	4,345	616	4,656	1,011	936		151	1,110	171						13,044
103	ASPHALT SEAL COAT	(3) TONS	28														28
301	CL 2 ASPH SURF 0.38D PG64-22	(3) TONS	1,448	136	1,567	421	195		32	231	55						4,095
2084	JPC PAVEMENT - 8 IN	SO. YD.	44,959														44,959
2200	ROADWAY EXCAVATION	(5)(6) CU. YD.															4,481,295

EARTHWORK TOTALS

EXCAVATION	EMBANKMENT
1,179,258	3,557,215
15,304	1,014
40,228	18,608
1,662	6,175
11,520	28,665
413	947
1,058	1,518
8,114	15,037
6,961	801
1,292	57
3,882	10,779
2,111	798
17,456	3,102
1,106	335
16,428	24
5,761	132,229
2,921,684	22,522
19,618	20,026
4,253,856	3,819,852
TOTAL EXCAVATION	TOTAL EMBANKMENT
	4,481,295

COM	COM ENT.	COM EX.	COM ENT.	COM EX.	COM ENT.	COM EX.	COM ENT.	COM EX.	COM ENT.	COM EX.	COM ENT.	COM EX.
MAINLINE US 127	ML STA. 726+50	US 127 CONNECTOR NO.1	ML STA. 726+50	US 127 TO KY 55	ML STA. 803+50	US 127 CONNECTOR NO.1	ML STA. 726+50	US 127 TO KY 55	ML STA. 803+50	US 127 CONNECTOR NO.1	ML STA. 726+50	US 127 TO KY 55
FRONTAGE ROAD 1		BELL ROAD		BELL ROAD		BELL ROAD		BELL ROAD		BELL ROAD		BELL ROAD
FRONTAGE ROAD 2		FRONTAGE ROAD 3		FRONTAGE ROAD 3		FRONTAGE ROAD 3		FRONTAGE ROAD 3		FRONTAGE ROAD 3		FRONTAGE ROAD 3
FRONTAGE ROAD 3		STORY LANE		STORY LANE		STORY LANE		STORY LANE		STORY LANE		STORY LANE
TEMP CONNECTOR		TEMP CONNECTOR		TEMP CONNECTOR		TEMP CONNECTOR		TEMP CONNECTOR		TEMP CONNECTOR		TEMP CONNECTOR
SOLID ROCK		SOLID ROCK		SOLID ROCK		SOLID ROCK		SOLID ROCK		SOLID ROCK		SOLID ROCK
PYRITIC ROCK		PYRITIC ROCK		PYRITIC ROCK		PYRITIC ROCK		PYRITIC ROCK		PYRITIC ROCK		PYRITIC ROCK
EMBANKMENT BENCHING		EMBANKMENT BENCHING		EMBANKMENT BENCHING		EMBANKMENT BENCHING		EMBANKMENT BENCHING		EMBANKMENT BENCHING		EMBANKMENT BENCHING
TRANSVERSE BENCHING		TRANSVERSE BENCHING		TRANSVERSE BENCHING		TRANSVERSE BENCHING		TRANSVERSE BENCHING		TRANSVERSE BENCHING		TRANSVERSE BENCHING
TOTAL EXCAVATION		TOTAL EMBANKMENT		TOTAL EMBANKMENT		TOTAL EMBANKMENT		TOTAL EMBANKMENT		TOTAL EMBANKMENT		TOTAL EMBANKMENT

NOTES

- ① ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ② ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ③ ESTIMATED AT 20 LBS. PER SQ. YD. (TWO APPLICATIONS).
- ④ ESTIMATED AT 2.4 LBS. PER SQ. YD. (TWO APPLICATIONS).
- ⑤ INCLUDES 10% ADDITIONAL MATERIAL IN BOTTOM 4" OF THE PAVEMENT DESIGN AS A CONSTRUCTION TOLERANCE ON ROCK SUBGRADE.
- ⑥ INCLUDES APPROACH ROADS QUANTITIES
- ⑦ ROADWAY EXCAVATION INCLUDES
 1,312,554 COMMON
 2,921,684 SOLID ROCK
 19,618 PYRITIC ROCK
 62,720 EMBANKMENT BENCHING
 164,719 TRANSVERSE BENCHING

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-108.00	R2R

PAVING AREAS - CONCRETE LANES - ASPHALT SHOULDER ALTERNATE C

ITEM CODE	DEPTH (inches)	ITEM	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	CONNECTOR DIVERSION	END TIE DIVERSION	TEMP. TIE TO BALLINGER ROAD DIVERSION	TRAFFIC CONTROL	S Q U A R E Y A R D S					TOTALS	
											S	Q	U	A	R		E
24		ROCK ROADBED	132,229														144,288
		TRAFFIC LANES (MAINLINE)															
2084	8	JPC PAVEMENT - 8 IN	44,959														44,959
3	5	CRUSHED STONE BASE	44,959														44,959
		SHOULDER (MAINLINE)															
301	1.25	CL 2 ASPH SURF 0.38D PG64-22	21,065														21,065
212	3.75	CL 2 ASPH BASE 1.00D PG64-22	21,065														21,065
3	8	CRUSHED STONE BASE	21,065														21,065
3		CRUSHED STONE BASE (FULL DEPTH)	4,588														4,588
291		EMULSIFIED ASPHALT RS-2	11,605														11,605
100		ASPHALT SEAL AGGREGATE	11,605														11,605
		TRAFFIC LANES (APPROACH RD & SHOULDER)															
301	1.25	CL2 ASPH SURF 0.38D PG64-22	1,985	22,789													24,774
212	3	CL2 ASPH BASE 1.00D PG64-22	2,002	23,308													25,310
212	3	CL2 ASPH BASE 1.00D PG64-22	1,729	4,910													6,639
3	4	CRUSHED STONE BASE	1,772	23,087													24,859
3	7	CRUSHED STONE BASE	316	1,016													1,332
		ENTRANCES															
301	1.25	CL2 ASPH SURF 0.38D PG64-22				6,129											6,129
212	3	CL2 ASPH BASE 1.00D PG64-22				6,129											6,129
3	4	CRUSHED STONE BASE				6,129											6,129
20	4	TRAFFICE BOUND BASE				3,642											3,642
		DIVERSIONS & CONST. ACCESS															
301	1.25	CL2 ASPH SURF 0.38D PG64-22					2,836	3,365	459	142							6,802
301	2	CL2 ASPH SURF 0.38D PG64-22					2,836	3,365	459	147							500
212	6	CL2 ASPH BASE 1.00D PG64-22					2,836	3,365	459	147							6,807
212	8	CL2 ASPH BASE 1.00D PG64-22								388							388
3	4	CRUSHED STONE BASE					2,836	3,365	459	155							6,815
3	10	CRUSHED STONE BASE								388							388

(A) QUANTITY SHOWN IN CUBIC YARDS

PAVING SUMMARY - CONCRETE LANES - ASPHALT SHOULDER ALTERNATE C

ITEM CODE	ITEM	UNIT	MAINLINE	CONNECTOR	APPROACH ROADS	ENTRANCES	CONNECTOR DIVERSION	END TIE DIVERSION	TEMP. TIE TO BALLINGER ROAD DIVERSION	TRAFFIC CONTROL	TOTALS						
											S	Q	U	A	R	D	S
3	CRUSHED STONE BASE	(1)(4) TONS	35,324	535	5,719	1,410	652	774	106	223							44,779
20	TRAFFICE BOUND BASE	(1) TONS				838				1,000							1,838
100	ASPHALT SEAL AGGREGATE	(2) TONS	232														232
212	CL 2 ASPH BASE 1.00D PG64-22	(2) TONS	4,345	616	4,656	1,011	936	1,110	151	171							13,044
103	ASPHALT SEAL COAT	(3) TONS	28														28
301	CL 2 ASPH SURF 0.38D PG64-22	(3) TONS	1,448	136	1,567	421	195	231	32	55							4,095
2084	JPC PAVEMENT - 8 IN	SO. YD.	44,959														44,959
2200	ROADWAY EXCAVATION	(5)(6) CU. YD.															4,481,295

EARTHWORK TOTALS

EXCAVATION	1,179,258	COM MAINLINE US 127	3,557,215	EMB MAINLINE US 127	16,608	EMB FRONTAGE ROAD 1	16,608	EMB KY 55	16,608	EMB US 127 CONNECTOR NO.1	28,665	EMB EX. US 127 TO KY 55	947	COM BELL ROAD	1,518	COM ENT @ ML STA. 803+50	15,037	COM KY 2284	801	EMB BALLINGER ROAD	57	EMB APPROACH ROAD 2	10,779	COM WOODRIDGE ROAD	798	EMB FRONTAGE ROAD 2	3,102	COM FRONTAGE ROAD 3	335	COM STORY LANE	24	EMB TEMP CONNECTOR	132,229	ROCK ROADBED US 127	22,522	CHANNEL LINING CLASS IV US 127	20,026	ROCK REFILL	3,819,852	TOTAL EMBANKMENT
40,228	1,662	COM KY 55	16,608	EMB FRONTAGE ROAD 1	16,608	EMB KY 55	16,608	EMB US 127 CONNECTOR NO.1	28,665	EMB EX. US 127 TO KY 55	947	COM BELL ROAD	1,518	COM ENT @ ML STA. 803+50	15,037	COM KY 2284	801	EMB BALLINGER ROAD	57	EMB APPROACH ROAD 2	10,779	COM WOODRIDGE ROAD	798	EMB FRONTAGE ROAD 2	3,102	COM FRONTAGE ROAD 3	335	COM STORY LANE	24	EMB TEMP CONNECTOR	132,229	ROCK ROADBED US 127	22,522	CHANNEL LINING CLASS IV US 127	20,026	ROCK REFILL	3,819,852	TOTAL EMBANKMENT		
1,179,258	1,662	COM KY 55	16,608	EMB FRONTAGE ROAD 1	16,608	EMB KY 55	16,608	EMB US 127 CONNECTOR NO.1	28,665	EMB EX. US 127 TO KY 55	947	COM BELL ROAD	1,518	COM ENT @ ML STA. 803+50	15,037	COM KY 2284	801	EMB BALLINGER ROAD	57	EMB APPROACH ROAD 2	10,779	COM WOODRIDGE ROAD	798	EMB FRONTAGE ROAD 2	3,102	COM FRONTAGE ROAD 3	335	COM STORY LANE	24	EMB TEMP CONNECTOR	132,229	ROCK ROADBED US 127	22,522	CHANNEL LINING CLASS IV US 127	20,026	ROCK REFILL	3,819,852	TOTAL EMBANKMENT		
4,253,856	2,971,684	COM SOLID ROCK	19,618	EMB TEMP CONNECTOR	132,229	ROCK ROADBED US 127	22,522	CHANNEL LINING CLASS IV US 127	20,026	ROCK REFILL	3,819,852	TOTAL EMBANKMENT	4,481,295	TOTAL EXCAVATION																										

US 127 RUSSELL COUNTY
PAVEMENT SUMMARY
ALTERNATE C (CONC. W/ASPH. SHLD.)

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
 - ESTIMATED AT 20 LBS. PER SQ. YD. (TWO APPLICATIONS).
 - ESTIMATED AT 2.4 LBS. PER SQ. YD. (TWO APPLICATIONS).
 - INCLUDES 10% ADDITIONAL MATERIAL IN BOTTOM 4" OF THE PAVEMENT DESIGN AS A CONSTRUCTION TOLERANCE ON ROCK SUBGRADE.
 - INCLUDES APPROACH ROADS QUANTITIES
 - ROADWAY EXCAVATION INCLUDES
1,312,554 COMMON
2,921,684 SOLID ROCK
19,618 PYRITIC ROCK
62,720 EMBANKMENT BENCHING
164,719 TRANSVERSE BENCHING
4,481,295 TOTAL EXCAVATION

NOTES

REVISED 12-6-16

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-108.00	R2R

GENERAL NOTES

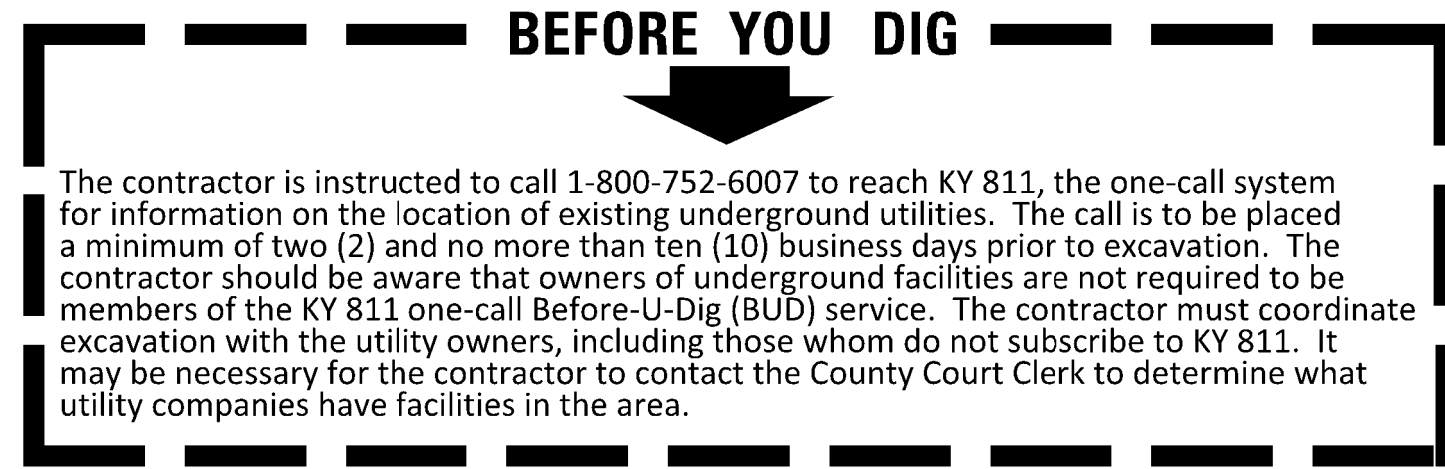
COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-108.00	R2S

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SPACING IS 1200 FT OR AS SHOWN ON THE PLANS.

N.G.S. (U.S.G.S.) BENCH MARKS

THE CONTRACTOR IS NOT TO DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED TO DO SO BY THE ENGINEER.

BEFORE YOU DIG



The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

THIS PROJECT AT ONE OR MORE LOCATIONS IS REGULATED BY A DEPARTMENT OF THE ARMY (DA) PERMIT WHICH CAN REQUIRE THE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER. THE CONTRACTOR SHALL PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. THE CONTRACTOR SHALL POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, THE CONTRACTOR SHALL NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL THE APPROPRIATE APPROVAL(S) HAS BEEN OBTAINED. REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

GRADING OPERATIONS

THE CONTRACTOR SHALL CONDUCT GRADING OPERATIONS IN SUCH A MANNER THAT DURABLE SHALE AND LIMESTONE OBTAINED FROM ROADWAY EXCAVATION BELOW THE BASE OF THE RDZ SHALL BE STOCKPILED SEPARATELY OR OTHERWISE MANIPULATED SO THAT AMPLE QUANTITIES ARE AVAILABLE FOR THOSE AREAS REQUIRING SAID MATERIAL. NO DIRECT PAYMENT WILL BE ALLOWED FOR SUCH NECESSARY MANIPULATION AS STOCKPILING AND/OR DOUBLE HANDLING THE MATERIAL. DURABLE SHALE AND LIMESTONE SHALL NOT BE WASTED UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER.

HAZARDOUS MATERIALS

STRUCTURES IDENTIFIED FOR ACQUISITION SHOULD BE INSPECTED FOR ABOVEGROUND AND UNDERGROUND STORAGE TANKS. CONFIRMED TANKS WILL BE REMOVED PRIOR TO DEMOLITION, AND HANDLED AND DISPOSED OF CONSISTENT WITH EXISTING LOCAL, STATE, AND FEDERAL REGULATIONS. STRUCTURES IDENTIFIED FOR ACQUISITION SHOULD BE INSPECTED FOR ASBESTOS CONTAINING BUILDING MATERIALS (ACBM) BY AN ACCREDITED INSPECTOR. CONFIRMED ACBM WILL BE REMOVED PRIOR TO DEMOLITION, AND HANDLED AND DISPOSED OF CONSISTENT WITH EXISTING LOCAL, STATE, AND FEDERAL REGULATIONS.

ANY WELLS IMPACTED BY CONSTRUCTION ACTIVITIES WOULD BE CLOSED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. IF EXCAVATION OCCURS WITH 50 FEET OF AN OIL OR GAS WELL, AN INSPECTION WILL BE CONDUCTED TO IDENTIFY ANY CONTAMINATION SOIL. COORDINATION WITH OWNERS WILL OCCUR.

DURING RIGHT-OF-WAY ACQUISITION AND/OR CONSTRUCTION, IF A SITE SUSPECTED OF CONTAINING HAZARDOUS MATERIALS IS DISCOVERED, THEN ACTIVITIES AT THAT SITE WILL CEASE AND FURTHER INVESTIGATIONS MUST BE PERFORMED BEFORE CONSTRUCTION CAN PROCEED.

ROCK ROADBED

A TWO-FOOT THICK ROCK ROADBED SHALL BE CONSTRUCTED OF UNWEATHERED LIMESTONE AND DURABLE SHALE EXCAVATED FROM BELOW THE RDZ IN ACCORDANCE WITH SECTION 204 OF THE CURRENT EDITION OF THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR THE ENTIRE LENGTH OF THE PROJECT.

ASPHALT PAVEMENT RIDEABILITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARDS SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. RIDE QUALITY REQUIREMENTS FOR THIS PROJECT WILL BE CATEGORY "A".

JPC PAVEMENT RIDE QUALITY

APPLY JPC PAVEMENT SMOOTHNESS REQUIREMENTS, IN ACCORDANCE WITH SUBSECTION 501.03.19 OF THE STANDARD SPECIFICATIONS, ON THIS PROJECT. RIDE QUALITY REQUIREMENTS FOR THIS PROJECT WILL BE CATEGORY "A".

STANDARD DRAWINGS FOR HEADWALLS

STANDARD DRAWINGS FOR HEADWALLS (RDH SERIES) ARE NOT ATTACHED TO THESE PLANS BUT ARE AVAILABLE IN THE SUPPLEMENT TO THE STANDARD DRAWING BOOK, WHICH MAY BE OBTAINED FROM THE MANAGEMENT SERVICES DIVISION OF THE DEPARTMENT OF HIGHWAYS IN FRANKFORT, KENTUCKY AT A COST OF \$5.00 PER COPY.

UNSTABLE AREAS

ANY SATURATED, SOFT AND/OR UNSTABLE AREAS ENCOUNTERED WITHIN EMBANKMENT FOUNDATION LIMITS AND/OR ANY OTHER AREAS AS DIRECTED BY THE ENGINEER SHALL BE DRAINED, SOFT/SATURATED MATERIAL REMOVED AND/OR STABILIZED WITH BROKEN AND DURABLE SHALE OR LIMESTONE EXCAVATED BELOW RDZ.

TEMPORARY DITCHES

AFTER A PERMANENT STAND OF VEGETATION IS IN PLACE AND UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL FILL TEMPORARY DITCHES.

COMPACTION OF ASPHALT MIXTURES

THE CONTRACTOR IS ADVISED THAT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR MAINLINE USAGE AT ONE INCH OR GREATER ON THIS PROJECT WILL BE ACCEPTED BY OPTION A ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS. THE COMPACTION OF ALL OTHER ASPHALT MIXTURES WILL BE ACCEPTED BY OPTION B.

EDGE KEY

WORK UNDER THIS ITEM SHALL INCLUDE CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT BID PER LINEAR FOOT FOR "EDGE KEY" SHALL INCLUDE ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE ASPHALT MATERIAL REMOVED.

STANDARD DRAWINGS NOTE FOR GUARDRAIL

CONTRARY TO KYTC STANDARD DRAWING RBR-020-05 THE GUARDRAIL END TREATMENT ET-PLUS MANUFACTURED BY TRINITY INDUSTRIES WILL NOT BE PERMITTED AS AN OPTION FOR BID ITEM "GUARDRAIL END TREATMENT TYPE 1."

EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS

CROSS-SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR A PAVEMENT THICKNESS OF 9 INCHES. INCLUDED ARE TYPICAL SECTIONS FOR ALTERNATE PAVEMENT DESIGNS AND ADJUSTED EARTHWORK QUANTITIES TO REFLECT THESE ALTERNATES. HOWEVER, THERE IS NO DEVELOPED CROSS-SECTIONS FOR ALL ALTERNATIVES SO TYPICAL SECTIONS GOVERN OVER CROSS-SECTIONS. MAKE FINAL PAYMENT ON ADJUSTED QUANTITIES.

SPECIAL NOTE

FOR AVOIDING IMPACTS TO INDIANA & GRAY BATS

THE INDIANA & GRAY BATS ARE A FEDERALLY PROTECTED ENDANGERED SPECIES. THESE SPECIES HAVE BEEN IDENTIFIED AS POSSIBLY OCCURRING IN THE PROJECT AREA. THE BATS USE CAVES IN WINTER. HOWEVER, THE BATS USE TREES IN SUMMER WHERE IT ROOSTS AND RAISES YOUNG IN LARGE GROUPS. IT IS NECESSARY TO REMOVE TREES WITHIN THE PROJECT AREA DURING A PERIOD OF THE YEAR WHEN THE BATS ARE ABSENT IN ORDER TO AVOID DIRECTLY IMPACTING THOSE SPECIES.

THE FOLLOWING RESTRICTIONS ARE REQUIRED TO AVOID IMPACTS TO SUMMER HABITAT OF THE INDIANA & GRAY BATS:

- 1) SEASONAL RESTRICTION
REMOVE TREES BETWEEN OCTOBER 15 AND MARCH 31.
- 2) METHODS
TREE REMOVAL CAN BE DONE CONCURRENTLY WITH CLEARING AND GRUBBING OR SEPARATELY BY MANUALLY CUTTING THE TREES.
- 3) LIMITS
TREE REMOVAL SHOULD BE COMPLETED FOR ALL AREAS WITHIN THE RIGHT OF WAY.

SPECIAL NOTE FOR PIPELINE INSPECTION

GENERAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
RUSSELL	8-108.00	R25


REVISED 12-6-16

THIS PROJECT IS A PARTIALLY CONTROLLED ACCESS HIGHWAY. ACCESS SPACING IS 1200 FT OR AS SHOWN ON THE PLANS.

N.G.S. (U.S.G.S.) BENCH MARKS

THE CONTRACTOR IS NOT TO DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED TO DO SO BY THE ENGINEER.

BEFORE YOU DIG



The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

THIS PROJECT AT ONE OR MORE LOCATIONS IS REGULATED BY A DEPARTMENT OF THE ARMY (DA) PERMIT WHICH CAN REQUIRE THE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER. THE CONTRACTOR SHALL PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. THE CONTRACTOR SHALL POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, THE CONTRACTOR SHALL NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL THE APPROPRIATE APPROVAL(S) HAS BEEN OBTAINED. REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

GRADING OPERATIONS

THE CONTRACTOR SHALL CONDUCT GRADING OPERATIONS IN SUCH A MANNER THAT DURABLE SHALE AND LIMESTONE OBTAINED FROM ROADWAY EXCAVATION BELOW THE BASE OF THE RDZ SHALL BE STOCKPILED SEPARATELY OR OTHERWISE MANIPULATED SO THAT AMPLE QUANTITIES ARE AVAILABLE FOR THOSE AREAS REQUIRING SAID MATERIAL. NO DIRECT PAYMENT WILL BE ALLOWED FOR SUCH NECESSARY MANIPULATION AS STOCKPILING AND/OR DOUBLE HANDLING THE MATERIAL. DURABLE SHALE AND LIMESTONE SHALL NOT BE WASTED UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER.

HAZARDOUS MATERIALS

STRUCTURES IDENTIFIED FOR ACQUISITION SHOULD BE INSPECTED FOR ABOVEGROUND AND UNDERGROUND STORAGE TANKS. CONFIRMED TANKS WILL BE REMOVED PRIOR TO DEMOLITION, AND HANDLED AND DISPOSED OF CONSISTENT WITH EXISTING LOCAL, STATE, AND FEDERAL REGULATIONS. STRUCTURES IDENTIFIED FOR ACQUISITION SHOULD BE INSPECTED FOR ASBESTOS CONTAINING BUILDING MATERIALS (ACBM) BY AN ACCREDITED INSPECTOR. CONFIRMED ACBM WILL BE REMOVED PRIOR TO DEMOLITION, AND HANDLED AND DISPOSED OF CONSISTENT WITH EXISTING LOCAL, STATE, AND FEDERAL REGULATIONS.

ANY WELLS IMPACTED BY CONSTRUCTION ACTIVITIES WOULD BE CLOSED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. IF EXCAVATION OCCURS WITH 50 FEET OF AN OIL OR GAS WELL, AN INSPECTION WILL BE CONDUCTED TO IDENTIFY ANY CONTAMINATION SOIL. COORDINATION WITH OWNERS WILL OCCUR.

DURING RIGHT-OF-WAY ACQUISITION AND/OR CONSTRUCTION, IF A SITE SUSPECTED OF CONTAINING HAZARDOUS MATERIALS IS DISCOVERED, THEN ACTIVITIES AT THAT SITE WILL CEASE AND FURTHER INVESTIGATIONS MUST BE PERFORMED BEFORE CONSTRUCTION CAN PROCEED.

ROCK ROADBED

A TWO-FOOT THICK ROCK ROADBED SHALL BE CONSTRUCTED OF UNWEATHERED LIMESTONE AND DURABLE SHALE EXCAVATED FROM BELOW THE RDZ IN ACCORDANCE WITH SECTION 204 OF THE CURRENT EDITION OF THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR THE ENTIRE LENGTH OF THE PROJECT.

ASPHALT PAVEMENT RIDEABILITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARDS SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. RIDE QUALITY REQUIREMENTS FOR THIS PROJECT WILL BE CATEGORY "A".

JPC PAVEMENT RIDE QUALITY

APPLY JPC PAVEMENT SMOOTHNESS REQUIREMENTS, IN ACCORDANCE WITH SUBSECTION 501.03.19 OF THE STANDARD SPECIFICATIONS, ON THIS PROJECT. RIDE QUALITY REQUIREMENTS FOR THIS PROJECT WILL BE CATEGORY "A".

STANDARD DRAWINGS FOR HEADWALLS

STANDARD DRAWINGS FOR HEADWALLS (RDH SERIES) ARE NOT ATTACHED TO THESE PLANS BUT ARE AVAILABLE IN THE SUPPLEMENT TO THE STANDARD DRAWING BOOK, WHICH MAY BE OBTAINED FROM THE MANAGEMENT SERVICES DIVISION OF THE DEPARTMENT OF HIGHWAYS IN FRANKFORT, KENTUCKY AT A COST OF \$5.00 PER COPY.

UNSTABLE AREAS

ANY SATURATED, SOFT AND/OR UNSTABLE AREAS ENCOUNTERED WITHIN EMBANKMENT FOUNDATION LIMITS AND/OR ANY OTHER AREAS AS DIRECTED BY THE ENGINEER SHALL BE DRAINED, SOFT/SATURATED MATERIAL REMOVED AND/OR STABILIZED WITH BROKEN AND DURABLE SHALE OR LIMESTONE EXCAVATED BELOW RDZ.

TEMPORARY DITCHES

AFTER A PERMANENT STAND OF VEGETATION IS IN PLACE AND UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL FILL TEMPORARY DITCHES.

COMPACTION OF ASPHALT MIXTURES

THE CONTRACTOR IS ADVISED THAT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR MAINLINE USAGE AT ONE INCH OR GREATER ON THIS PROJECT WILL BE ACCEPTED BY OPTION A ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS. THE COMPACTION OF ALL OTHER ASPHALT MIXTURES WILL BE ACCEPTED BY OPTION B.

EDGE KEY

WORK UNDER THIS ITEM SHALL INCLUDE CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT BID PER LINEAR FOOT FOR "EDGE KEY" SHALL INCLUDE ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE ASPHALT MATERIAL REMOVED.

STANDARD DRAWINGS NOTE FOR GUARDRAIL

CONTRARY TO KYTC STANDARD DRAWING RBR-020-05 THE GUARDRAIL END TREATMENT ET-PLUS MANUFACTURED BY TRINITY INDUSTRIES WILL NOT BE PERMITTED AS AN OPTION FOR BID ITEM "GUARDRAIL END TREATMENT TYPE 1."

EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS

CROSS-SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR A PAVEMENT THICKNESS OF 9 INCHES. INCLUDED ARE TYPICAL SECTIONS FOR ALTERNATE PAVEMENT DESIGNS AND ADJUSTED EARTHWORK QUANTITIES TO REFLECT THESE ALTERNATES. HOWEVER, THERE IS NO DEVELOPED CROSS-SECTIONS FOR ALL ALTERNATIVES SO TYPICAL SECTIONS GOVERN OVER CROSS-SECTIONS. MAKE FINAL PAYMENT ON ADJUSTED QUANTITIES.

SPECIAL NOTE

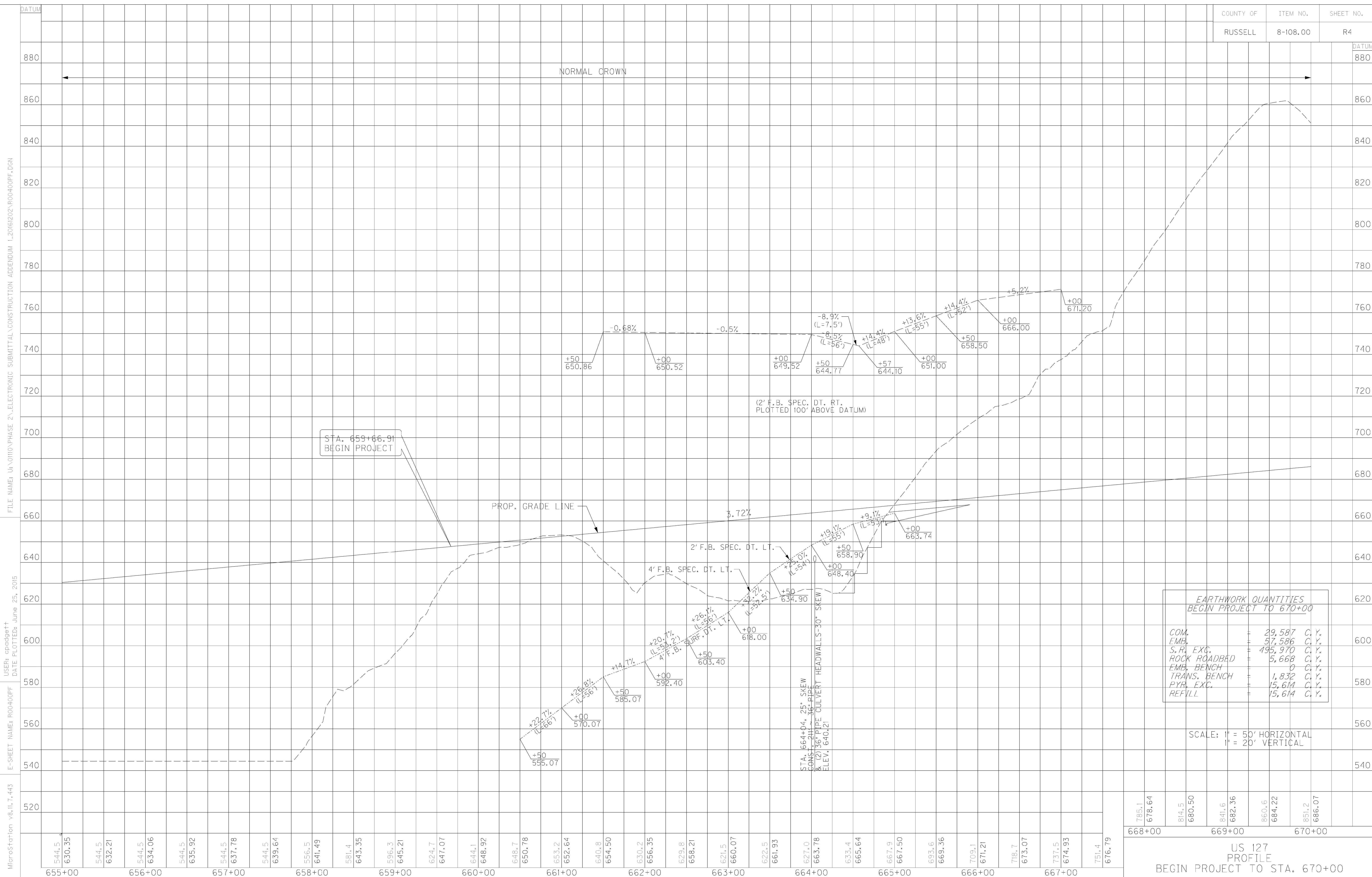
FOR AVOIDING IMPACTS TO INDIANA & GRAY BATS

THE INDIANA & GRAY BATS ARE A FEDERALLY PROTECTED ENDANGERED SPECIES. THESE SPECIES HAVE BEEN IDENTIFIED AS POSSIBLY OCCURRING IN THE PROJECT AREA. THE BATS USE CAVES IN WINTER. HOWEVER, THE BATS USE TREES IN SUMMER WHERE IT ROOSTS AND RAISES YOUNG IN LARGE GROUPS. IT IS NECESSARY TO REMOVE TREES WITHIN THE PROJECT AREA DURING A PERIOD OF THE YEAR WHEN THE BATS ARE ABSENT IN ORDER TO AVOID DIRECTLY IMPACTING THOSE SPECIES.

THE FOLLOWING RESTRICTIONS ARE REQUIRED TO AVOID IMPACTS TO SUMMER HABITAT OF THE INDIANA & GRAY BATS:

- 1) SEASONAL RESTRICTION
REMOVE TREES BETWEEN OCTOBER 15 AND MARCH 31.
- 2) METHODS
TREE REMOVAL CAN BE DONE CONCURRENTLY WITH CLEARING AND GRUBBING OR SEPARATELY BY MANUALLY CUTTING THE TREES.
- 3) LIMITS
TREE REMOVAL SHOULD BE COMPLETED FOR ALL AREAS WITHIN THE RIGHT OF WAY.

SPECIAL NOTE FOR PIPELINE INSPECTION



EARTHWORK QUANTITIES BEGIN PROJECT TO 670+00	
COM.	29,587 C.Y.
EMB.	57,586 C.Y.
S.R. EXC.	495,970 C.Y.
ROCK ROADBED	5,668 C.Y.
EMB. BENCH	0 C.Y.
TRANS. BENCH	1,832 C.Y.
PYR. EXC.	15,614 C.Y.
REFILL	15,614 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 20' VERTICAL

US 127
PROFILE
BEGIN PROJECT TO STA. 670+00

MicroStation v8.11.7.443
 E-SHEET NAME: R00400PF
 USER: cpadpe11
 DATE PLOTTED: June 25, 2015
 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R00400PF.DGN

DATUM	880	860	840	820	800	780	760	740	720	700	680	660	640	620	600	580	560	540	520							
STATION	655+00	656+00	657+00	658+00	659+00	660+00	661+00	662+00	663+00	664+00	665+00	666+00	667+00	668+00	669+00	670+00	671+00	672+00	673+00							
ELEVATION	544.5 630.35	544.5 632.21	544.5 634.06	544.5 635.92	544.5 637.78	544.5 639.64	556.5 641.49	581.4 643.35	596.3 645.21	624.7 647.07	644.1 648.92	648.7 650.78	653.2 652.64	640.8 654.50	630.2 656.35	629.8 658.21	621.5 660.07	622.5 661.93	627.0 663.78	633.4 665.64	667.9 667.50	693.6 669.36	709.1 671.21	718.7 673.07	737.5 674.93	751.4 676.79

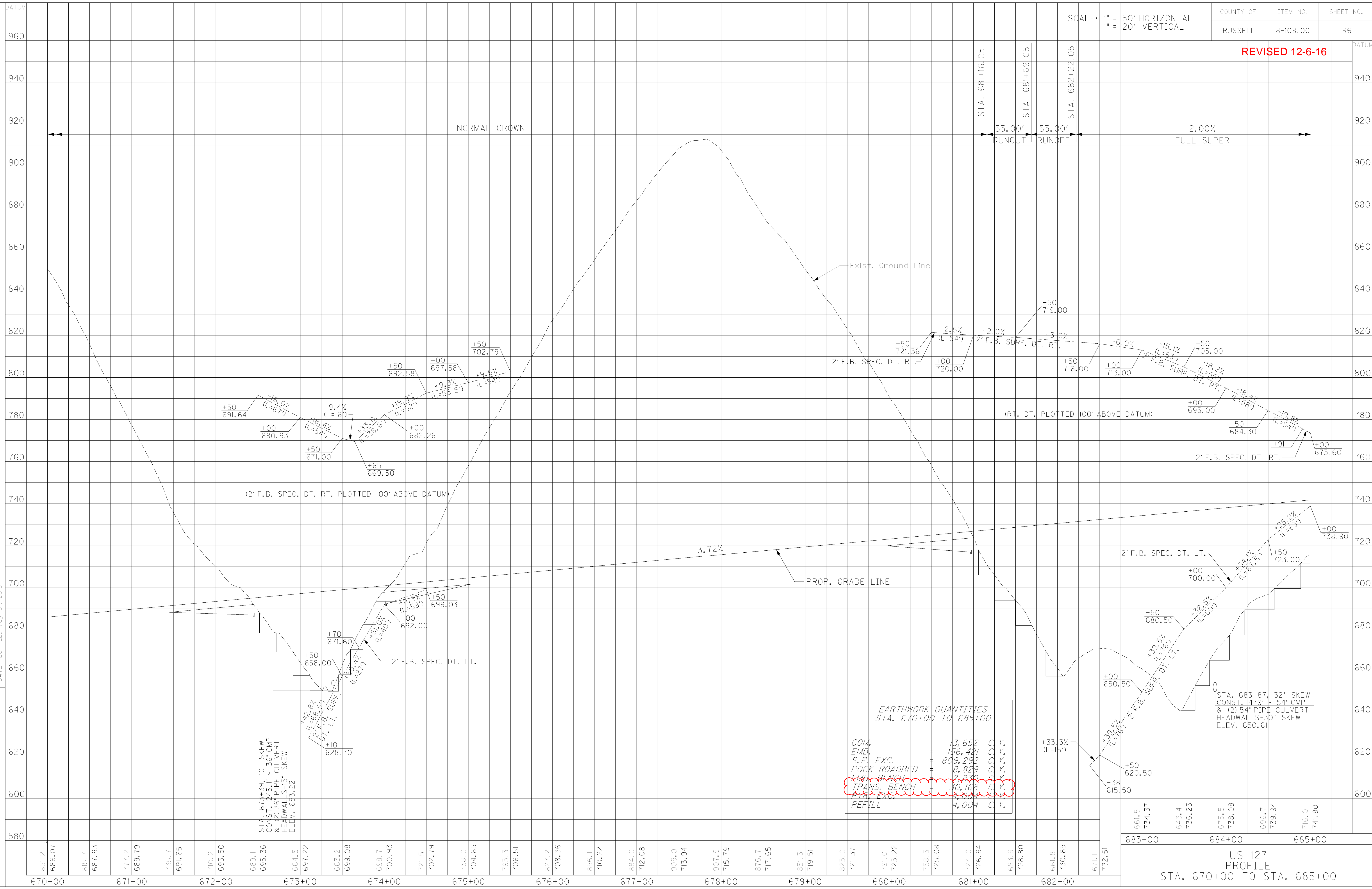
785.1 678.64	814.5 680.50	841.6 682.36	860.6 684.22	851.2 686.07
668+00	669+00	670+00		

SCALE: 1" = 50' HORIZONTAL
1" = 20' VERTICAL

COUNTY OF RUSSELL
ITEM NO. 8-108.00
SHEET NO. R6

REVISED 12-6-16

MicroStation v8.11.7.443 E-SHEET NAME: R00600PF USER: cpadpatt DATE PLOTTED: May 31, 2013 FILE NAME: U:\010\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_20161202\R00600PF.DGN

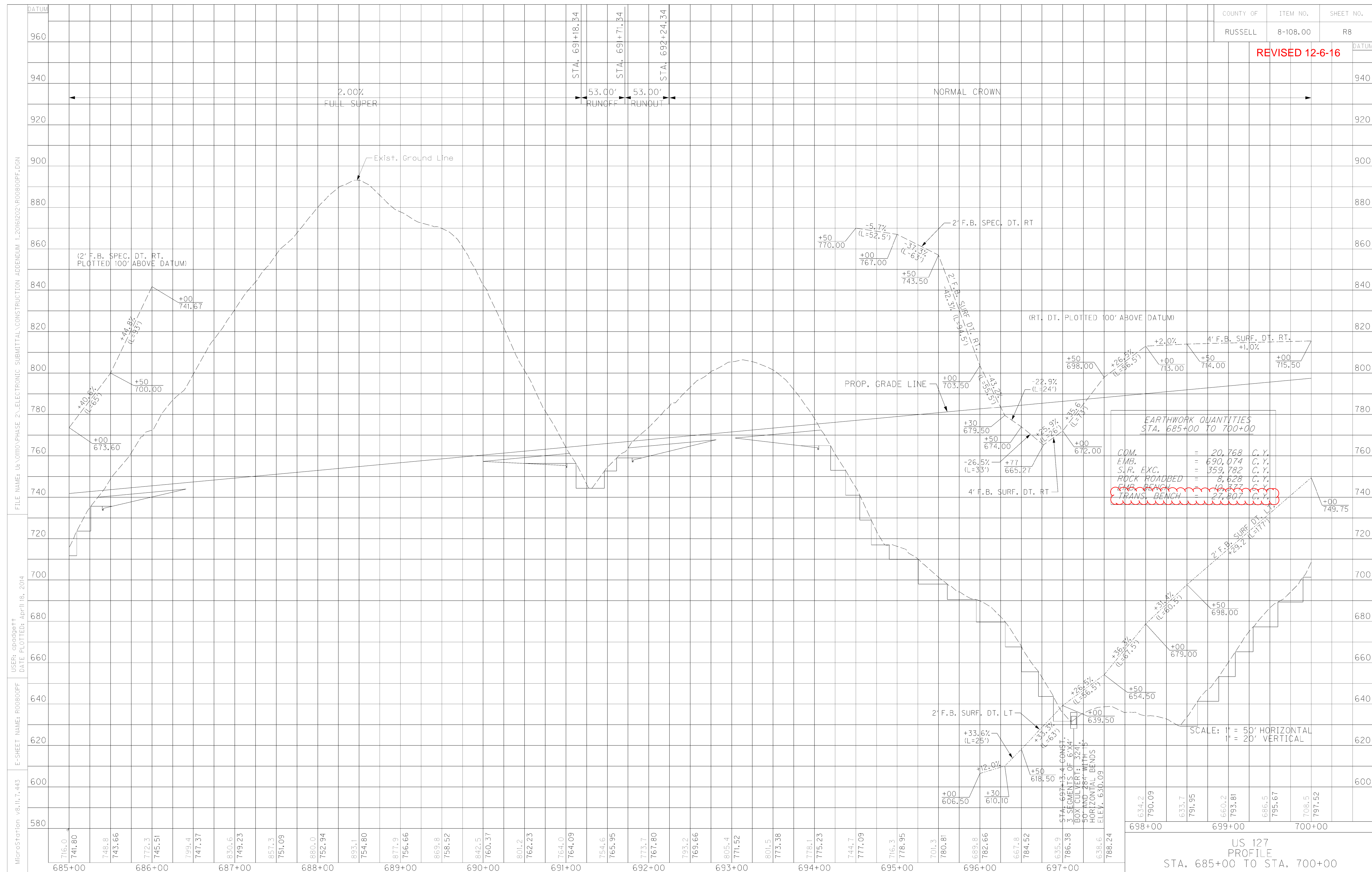


EARTHWORK QUANTITIES STA. 670+00 TO 685+00	
COM.	13,652 C.Y.
EMB.	156,421 C.Y.
S.R. EXC.	809,292 C.Y.
ROCK ROADBED	8,829 C.Y.
EMB. BENCH	2,339 C.Y.
TRANS. BENCH	30,168 C.Y.
REFILL	4,004 C.Y.

STA. 683+87.32' SKEW
(CONST. 478' - 54' CMP
& (2) 54" PIPE CULVERT
HEADWALLS-30' SKEW
ELEV. 650.61

US 127
PROFILE
STA. 670+00 TO STA. 685+00

REVISED 12-6-16

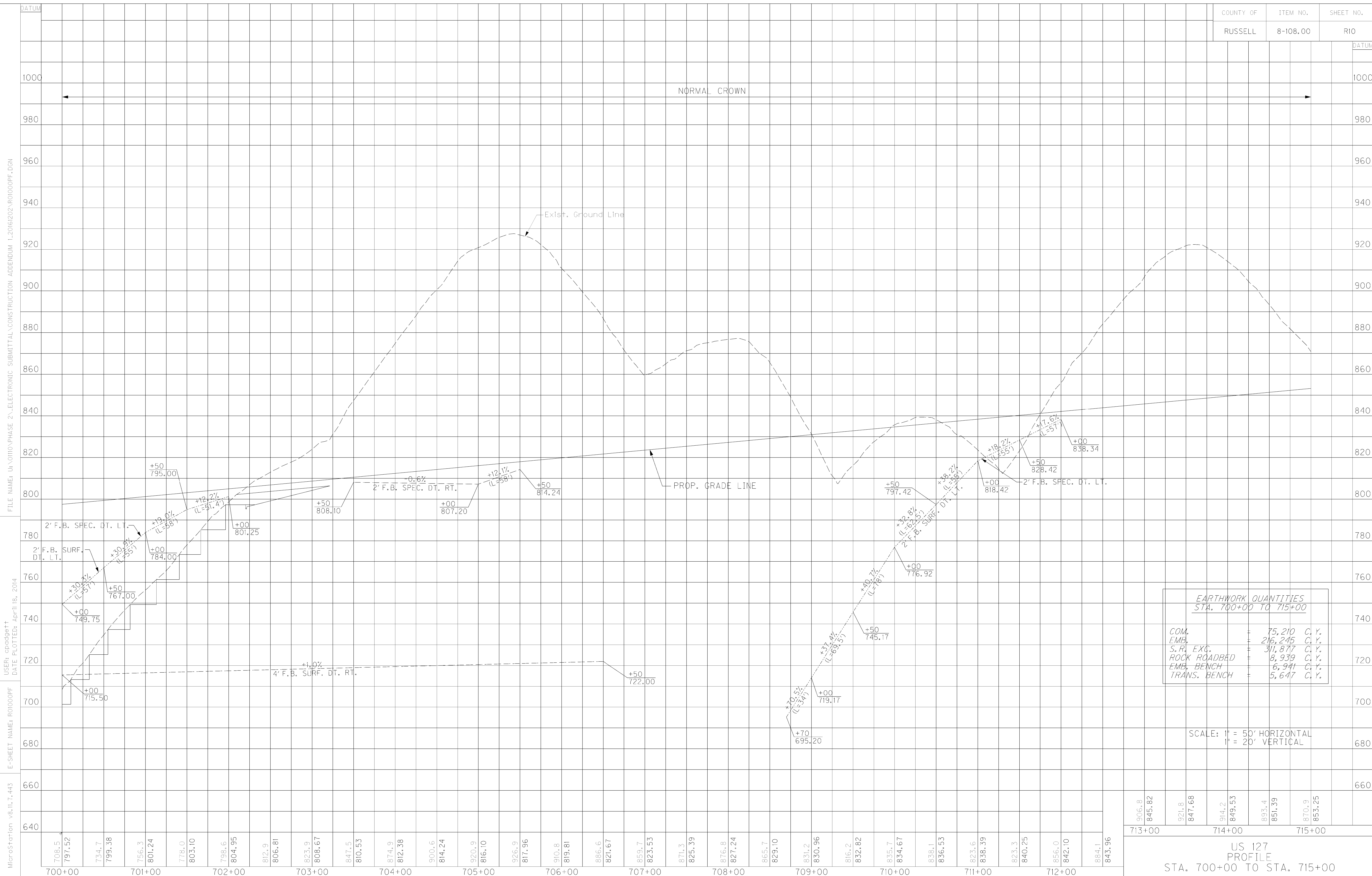


EARTHWORK QUANTITIES
 STA. 685+00 TO 700+00

COM.	=	20,768	C. Y.
EMB.	=	690,074	C. Y.
S.R. EXC.	=	359,782	C. Y.
ROCK ROADBED	=	8,628	C. Y.
EMB. BENCH	=	10,877	C. Y.
TRANS. BENCH	=	27,807	C. Y.

SCALE: 1" = 50' HORIZONTAL
 1" = 20' VERTICAL

US 127
 PROFILE
 STA. 685+00 TO STA. 700+00



MicroStation v8.11.7.443
 E-SHEET NAME: R01000PF
 USER: cpadpe11
 DATE PLOTTED: Apr 18, 2014
 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R01000PF.DGN

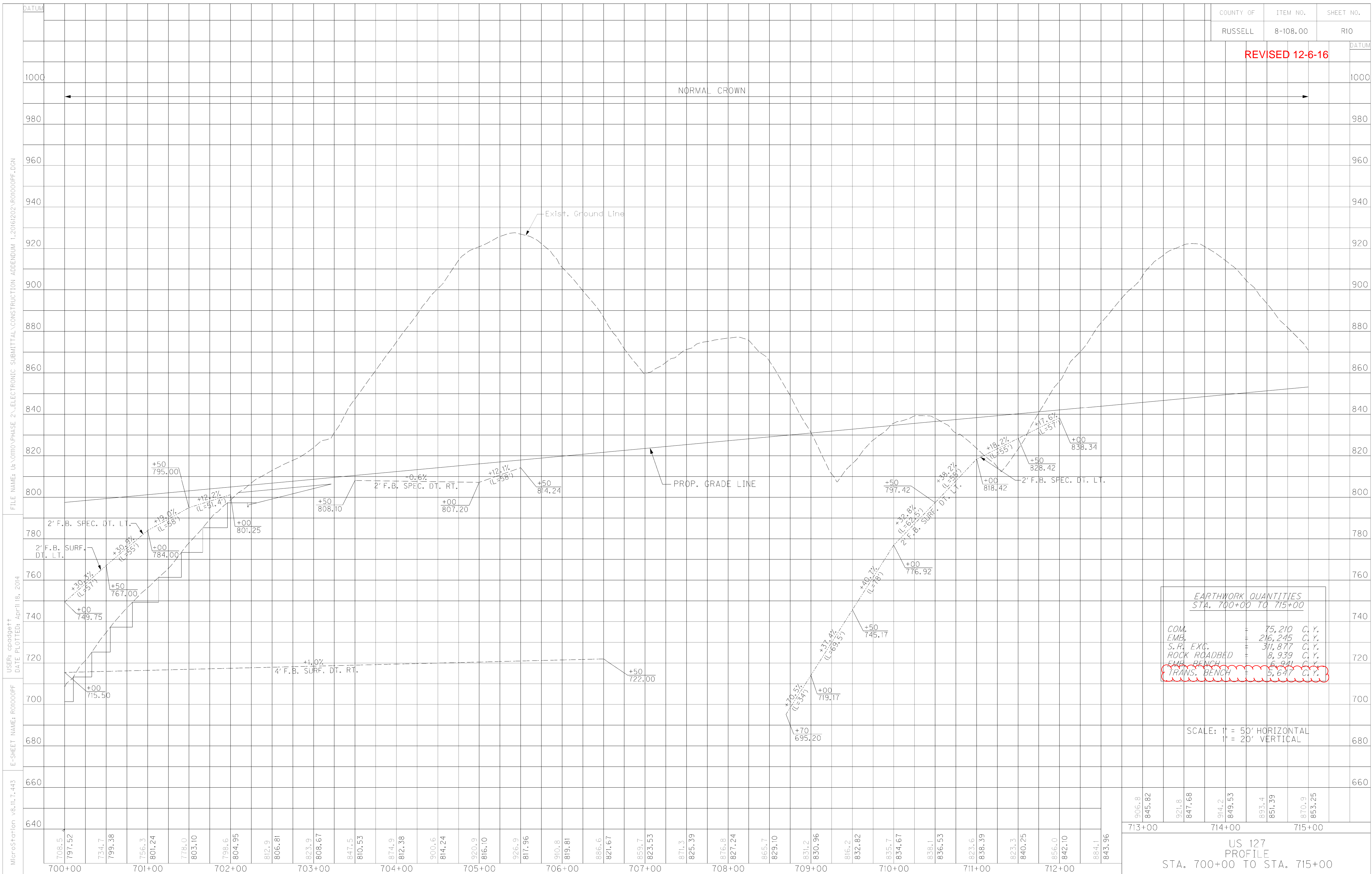
EARTHWORK QUANTITIES	
STA. 700+00 TO 715+00	
COM.	75,210 C.Y.
EMB.	216,245 C.Y.
S.R. EXC.	311,877 C.Y.
ROCK ROADBED	8,939 C.Y.
EMB. BENCH	6,941 C.Y.
TRANS. BENCH	5,647 C.Y.

SCALE: 1" = 50' HORIZONTAL
 1" = 20' VERTICAL

906.8	845.82	921.8	847.68	914.2	849.53	893.4	851.39	870.9	853.25
713+00		714+00		715+00					

US 127
PROFILE
STA. 700+00 TO STA. 715+00

REVISED 12-6-16



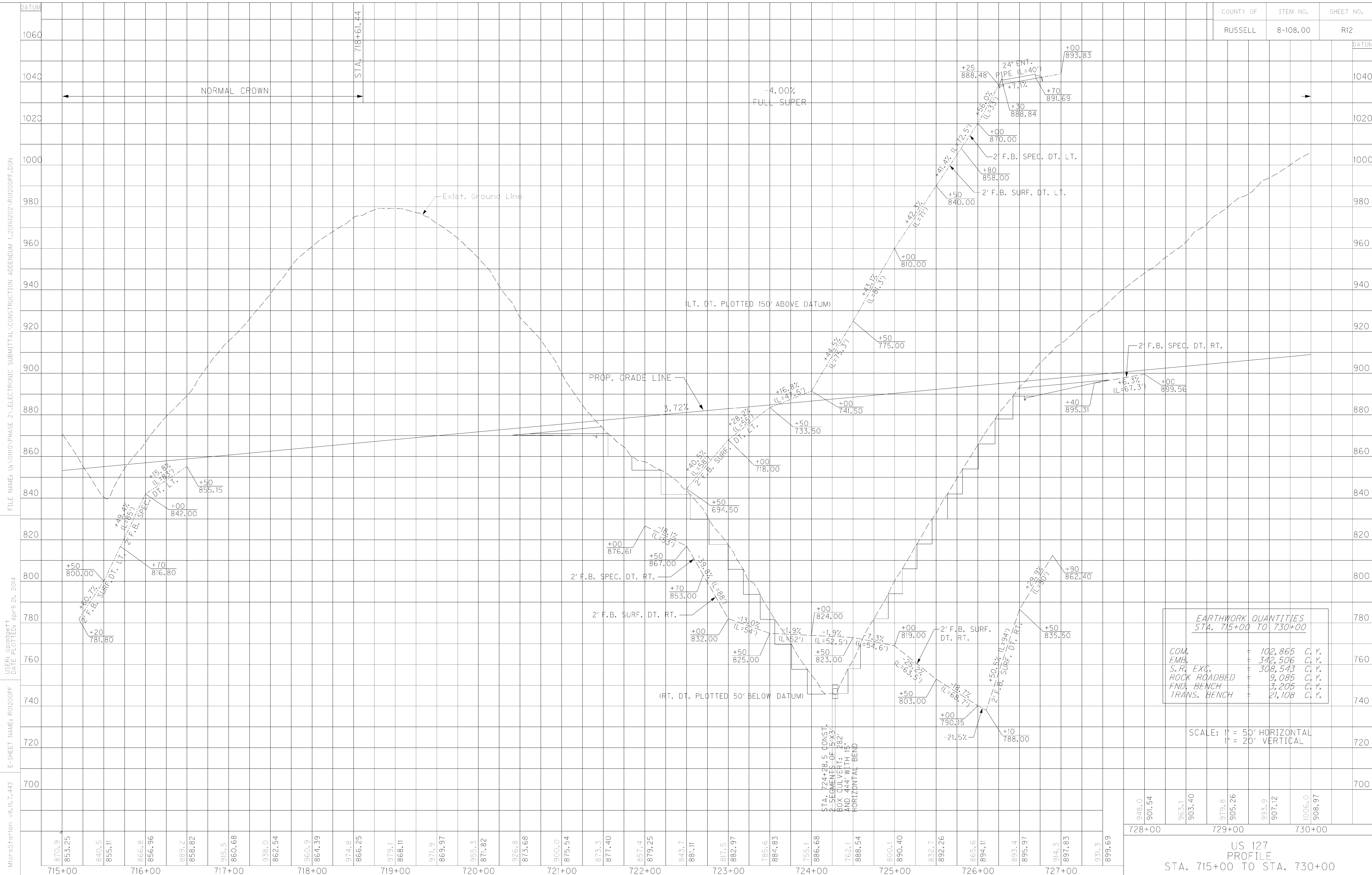
EARTHWORK QUANTITIES	
STA. 700+00 TO 715+00	
COM.	75,210 C.Y.
EMB.	216,245 C.Y.
S.R. EXC.	311,877 C.Y.
ROCK ROADBED	8,939 C.Y.
EMB. BENCH	6,341 C.Y.
TRANS. BENCH	5,647 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 20' VERTICAL

906.8	845.82	921.8	847.68	914.2	849.53	893.4	851.39	870.9	853.25
713+00		714+00		715+00					

US 127
PROFILE
STA. 700+00 TO STA. 715+00

MicroStation v8.11.7.443
 E-SHEET NAME: R01000PF
 USER: cpadpe11
 DATE PLOTTED: Apr 18, 2014
 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R01000PF.DGN



**EARTHWORK QUANTITIES
 STA. 715+00 TO 730+00**

COM.	102,865	C.Y.
EMB.	342,506	C.Y.
S.R. EXC.	308,543	C.Y.
ROCK ROADBED	9,085	C.Y.
FND. BENCH	3,205	C.Y.
TRANS. BENCH	21,108	C.Y.

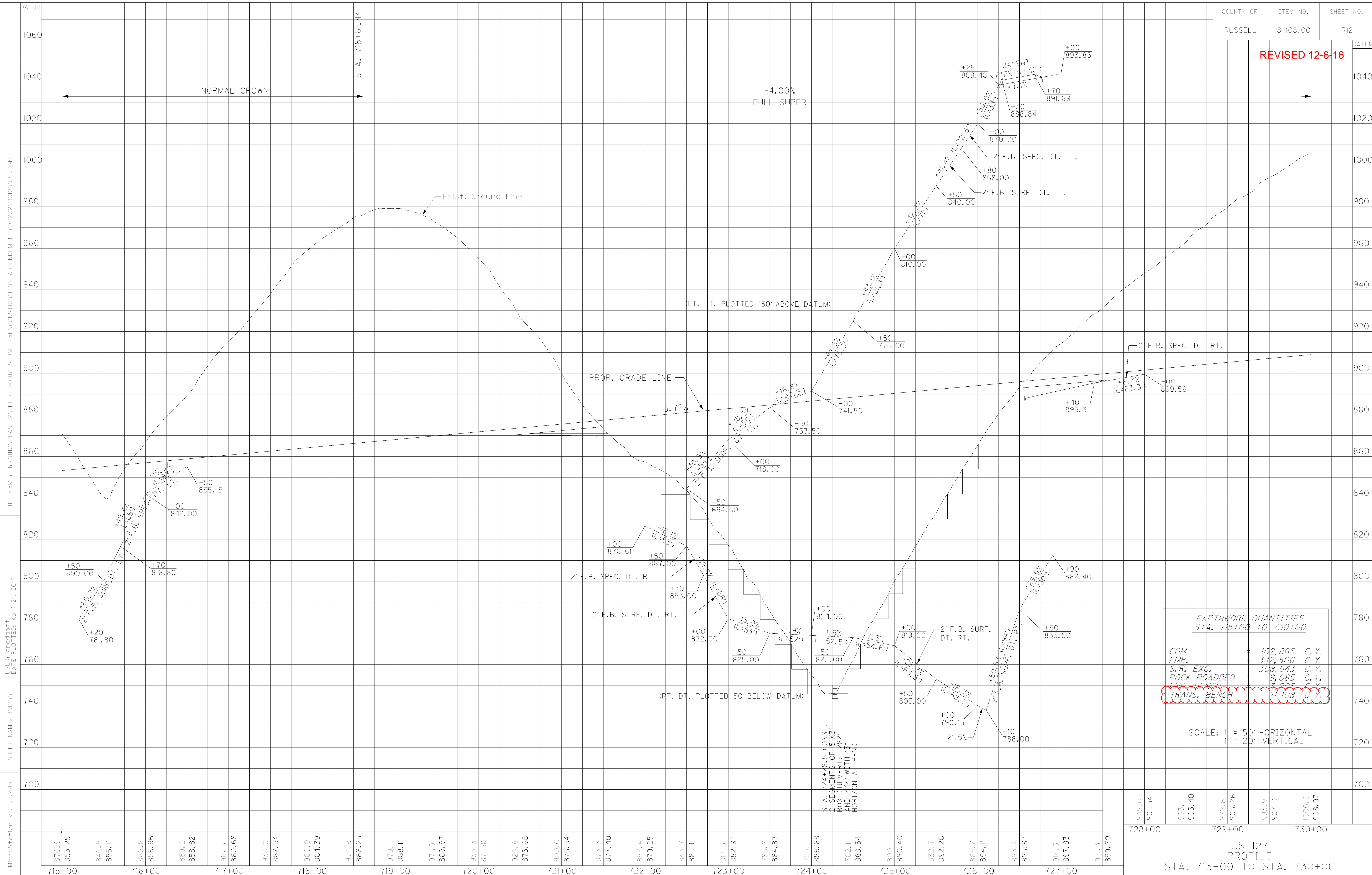
SCALE: 1" = 50' HORIZONTAL
 1" = 20' VERTICAL

948.0	901.54	963.1	903.40	979.8	905.26	993.9	907.12	1006.0	908.97
728+00		729+00		730+00					

US 127
 PROFILE
 STA. 715+00 TO STA. 730+00

MicroStation v8.11.7.443
 E-SHEET NAME: R01200PF
 USER: spadesett
 DATE PLOTTED: Apr-11-21, 2014
 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R01200PF.DGN

REVISED 12-6-16



**EARTHWORK QUANTITIES
STA. 715+00 TO 730+00**

COM.	102,865	C.Y.
EMB.	342,506	C.Y.
S.R. EXC.	308,543	C.Y.
ROCK ROADBED	9,085	C.Y.
END. BENCH	3,205	C.Y.
TRANS. BENCH	21,108	C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 20' VERTICAL

948.0	901.54	963.1	903.40	979.8	905.26	993.9	907.12	1006.0	908.97
728+00		729+00		730+00					

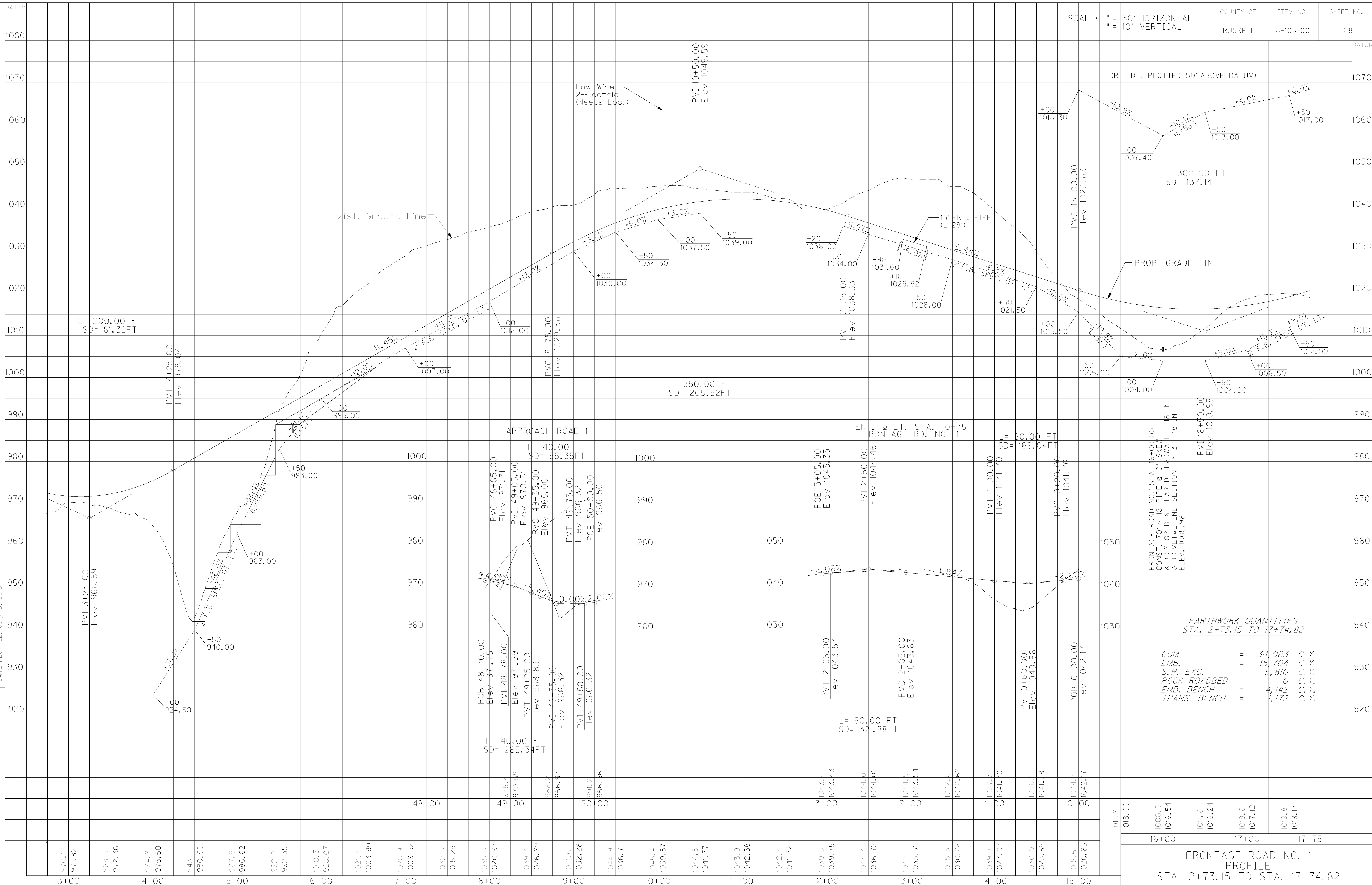
US 127
PROFILE
STA. 715+00 TO STA. 730+00

MicroStation v8.11.7.443 E-SHEET NAME: R01200PF USER: spades11 DATE PLOTTED: Apr 11 21, 2014 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R01200PF.DGN

MicroStation v8.11.7.443 E-SHEET NAME: R01800PF USER: cpadgett DATE PLOTTED: July 6, 2015 FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R01800PF.DGN

SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

COUNTY OF RUSSELL ITEM NO. 8-108.00 SHEET NO. R18



EARTHWORK QUANTITIES		
STA. 2+73.15 TO STA. 17+74.82		
COM. EMB.	=	34,083 C.Y.
S.R. EXC.	=	15,704 C.Y.
ROCK ROADBED	=	5,810 C.Y.
EMB. BENCH	=	0 C.Y.
TRANS. BENCH	=	4,142 C.Y.
		1,172 C.Y.

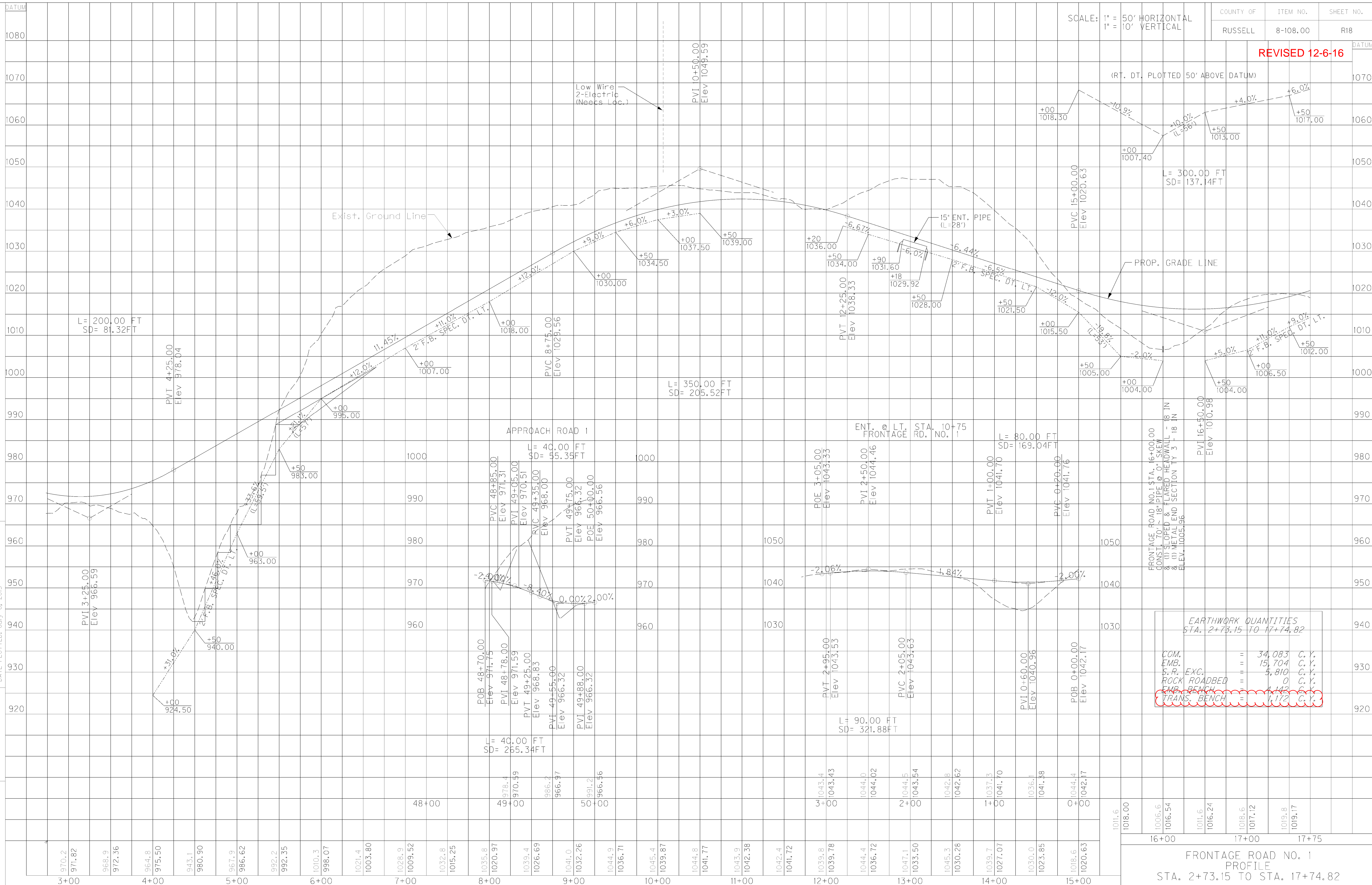
FRONTAGE ROAD NO. 1
PROFILE
STA. 2+73.15 TO STA. 17+74.82

SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

COUNTY OF RUSSELL
ITEM NO. 8-108.00
SHEET NO. R18

REVISED 12-6-16

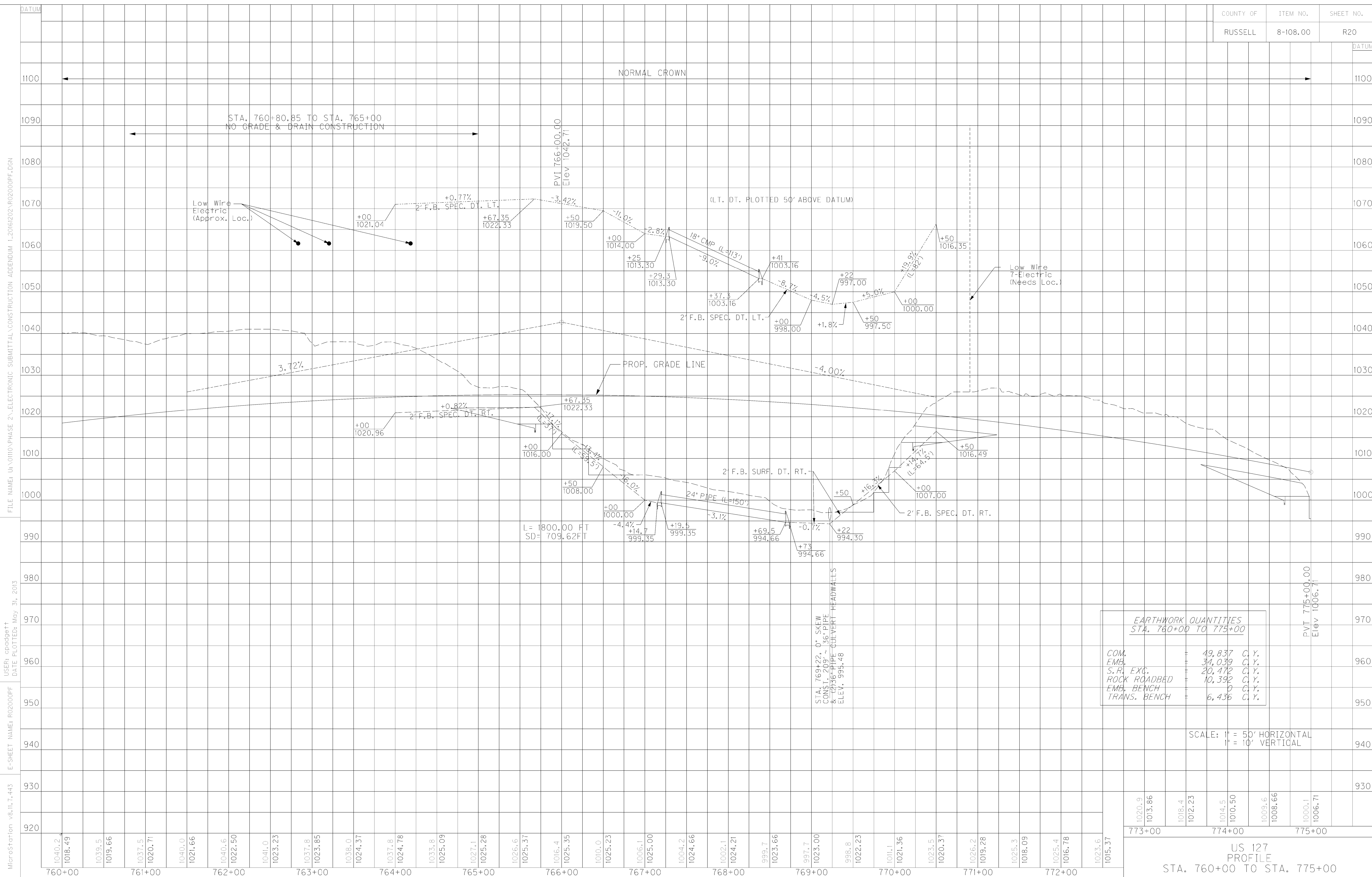
MicroStation v8.11.7.443 E-SHEET NAME: R01800PF USER: cpadgett DATE PLOTTED: July 6, 2015 FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R01800PF.DGN



EARTHWORK QUANTITIES
STA. 2+73.15 TO 17+74.82

COM.	=	34,083	C.Y.
EMB.	=	15,704	C.Y.
S.R. EXC.	=	5,810	C.Y.
ROCK ROADBED	=	0	C.Y.
EMB. BENCH	=	1,172	C.Y.
TRANS. BENCH	=	1,172	C.Y.

FRONTAGE ROAD NO. 1
PROFILE
STA. 2+73.15 TO STA. 17+74.82



FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\F02000PF.DGN
 USER: cpadgett
 DATE PLOTTED: May 31, 2013
 E-SHEET NAME: F02000PF
 MicroStation v8.11.7.443

EARTHWORK QUANTITIES STA. 760+00 TO 775+00		
COM.	49,837	C. Y.
EMB.	34,039	C. Y.
S.P. EXC.	20,472	C. Y.
ROCK ROADBED	10,392	C. Y.
EMB. BENCH	0	C. Y.
TRANS. BENCH	6,436	C. Y.

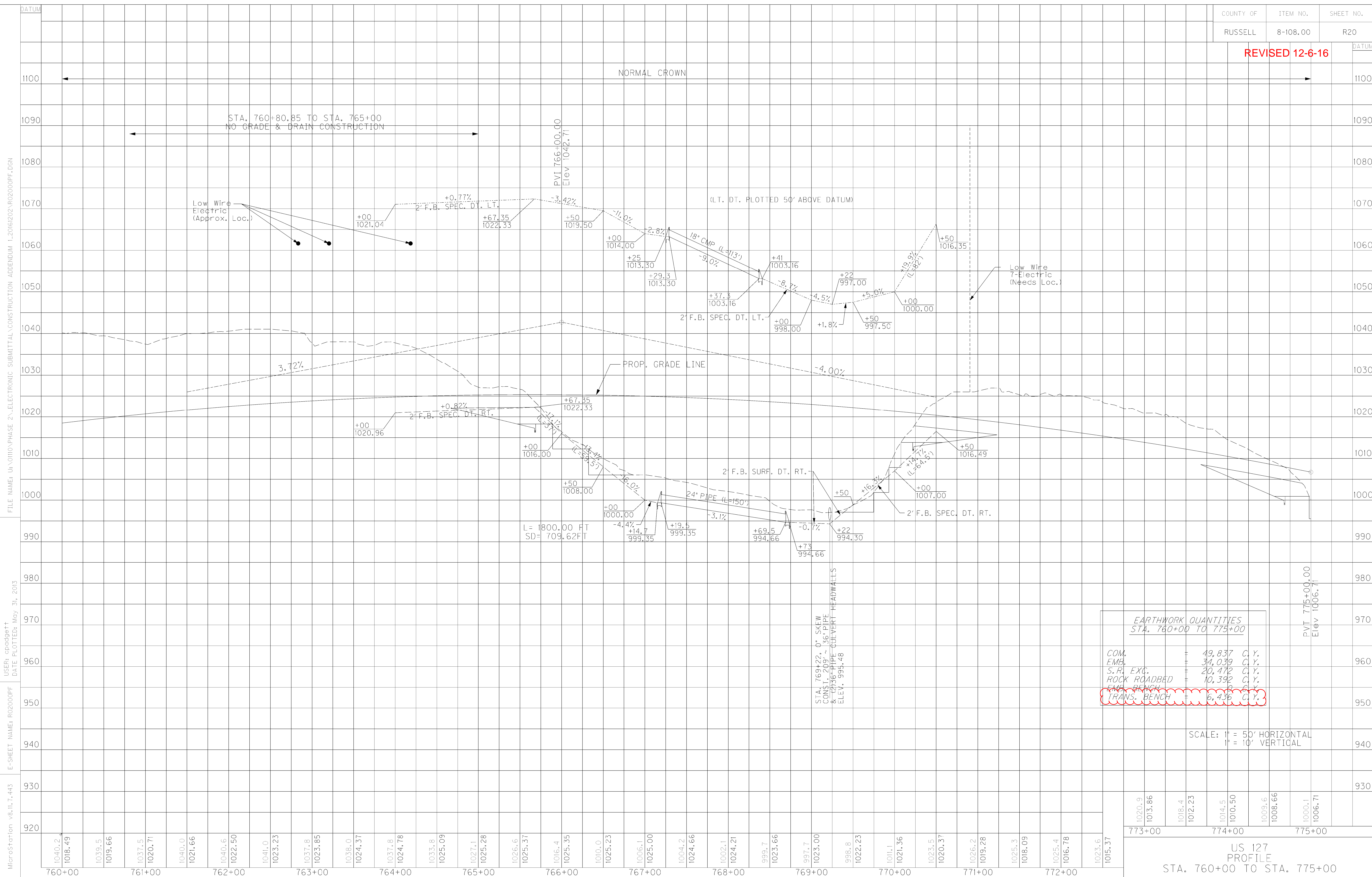
SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

Elevation	Station
1020.9	773+00
1013.86	
1018.4	
1022.23	
1014.5	774+00
1010.50	
1009.6	
1008.66	
1000.1	775+00
1006.71	

US 127
 PROFILE
 STA. 760+00 TO STA. 775+00

PVI 775+00.00
 Elev 1006.71

REVISED 12-6-16



FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\F02000PF.DGN
 USER: cpadgett
 DATE PLOTTED: May 31, 2013
 E-SHEET NAME: F02000PF
 MicroStation v8.11.7.443

**EARTHWORK QUANTITIES
 STA. 760+00 TO 775+00**

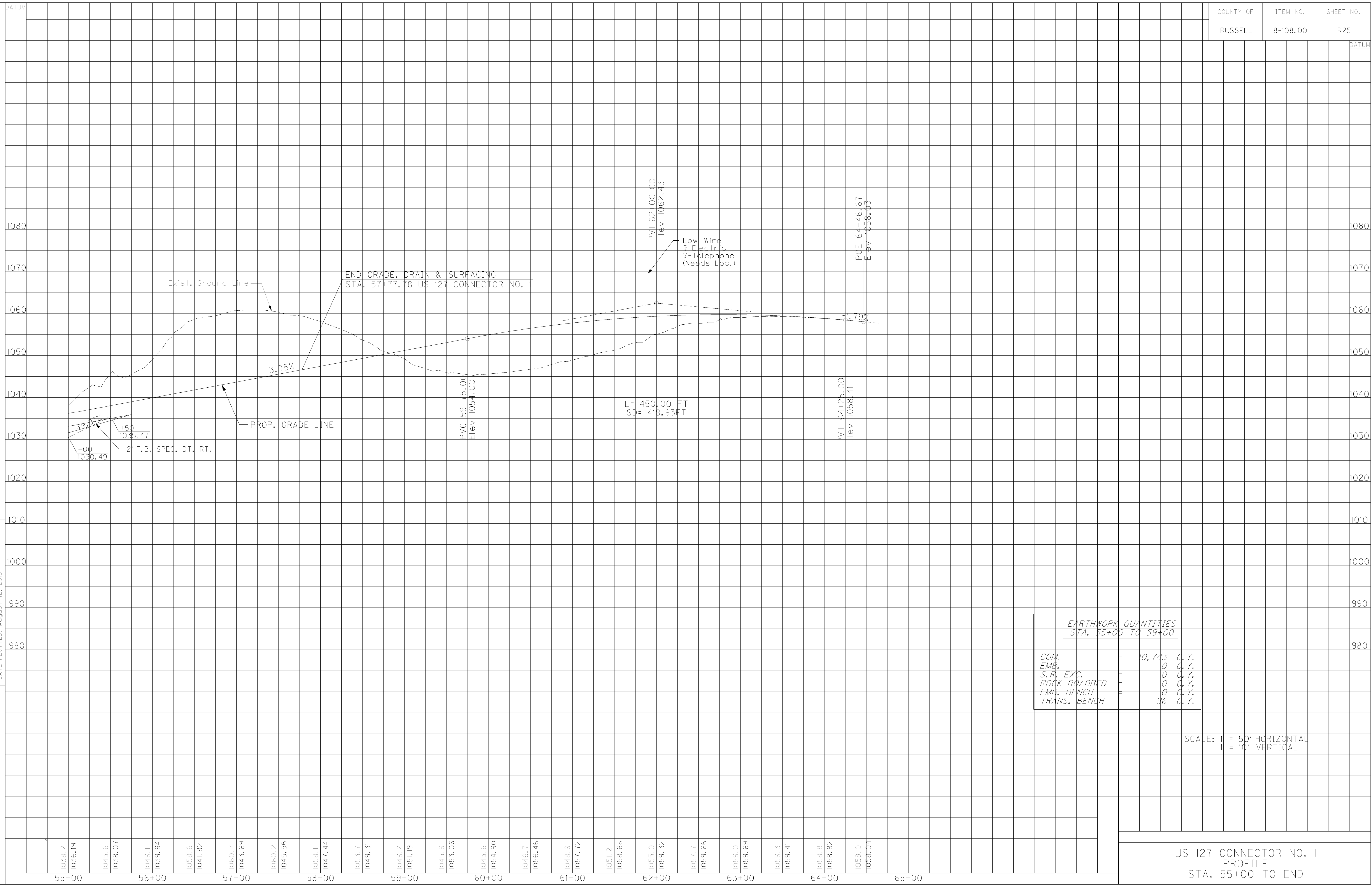
COM.	49,837	C.Y.
EMB.	34,039	C.Y.
S.P. EXC.	20,472	C.Y.
ROCK ROADBED	10,392	C.Y.
EMB. BENCH	0	C.Y.
TRANS. BENCH	6,436	C.Y.

SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

US 127
 PROFILE
 STA. 760+00 TO STA. 775+00

1020.9	1013.86	1018.4	1012.73	1014.5	1010.50	1009.6	1008.66	1000.1	1006.71
773+00		774+00						775+00	

FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\RD2500PF.DGN
 USER: cpadgett
 DATE PLOTTED: August 12, 2013
 E-SHEET NAME: RD2500PF
 MicroStation v8.11.7.443

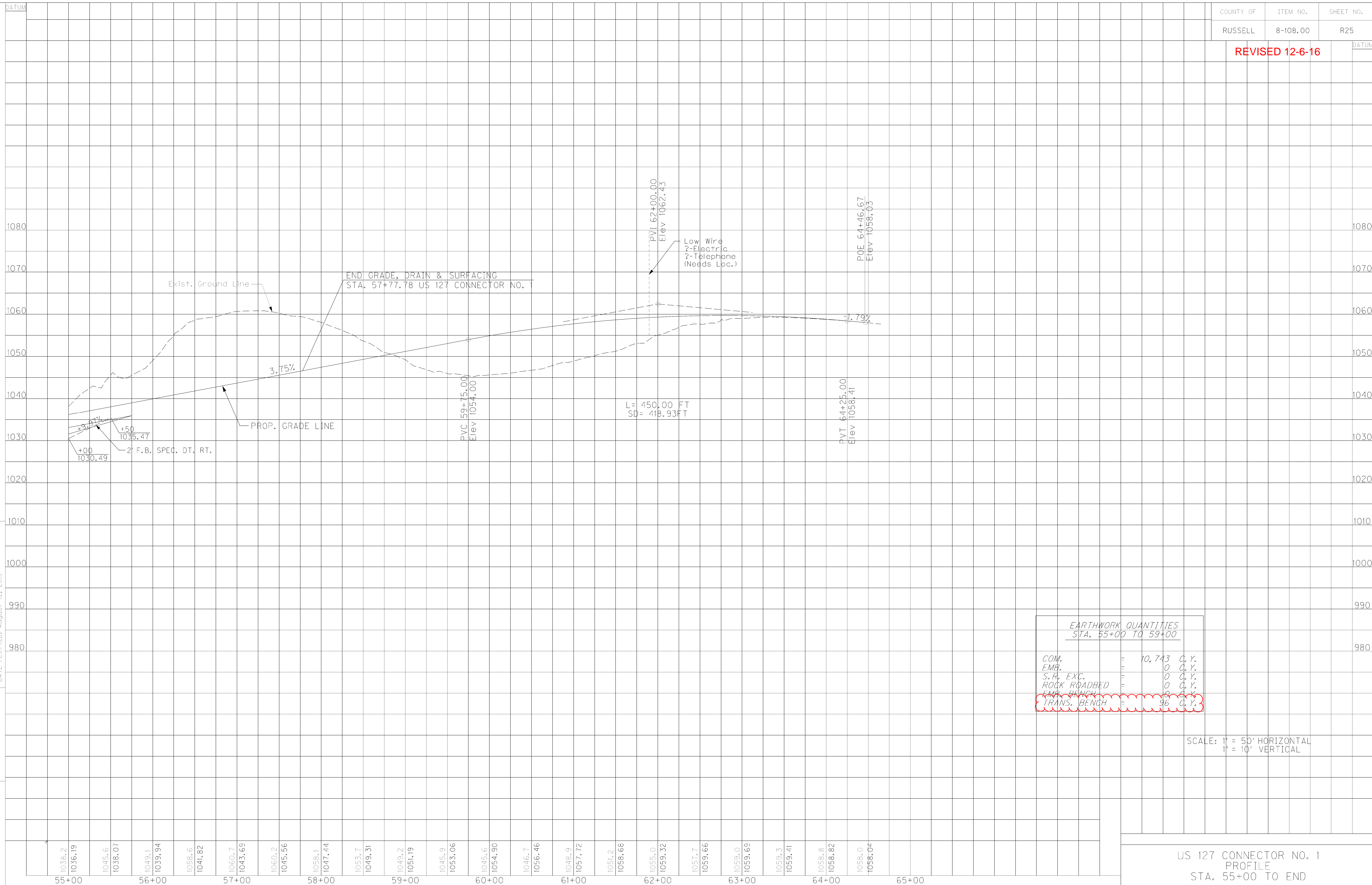


SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

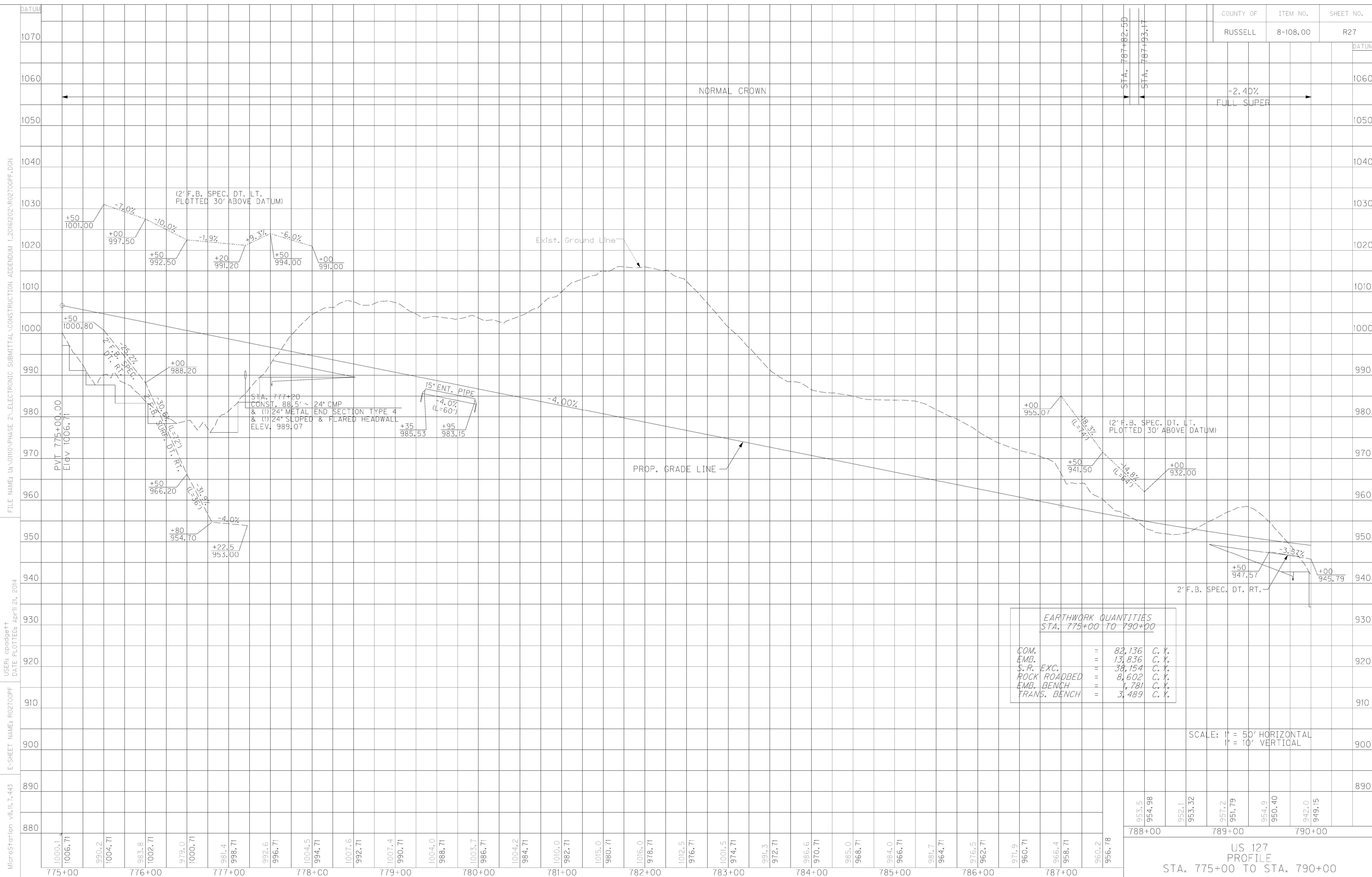
US 127 CONNECTOR NO. 1
PROFILE
STA. 55+00 TO END

REVISED 12-6-16

FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDIX 1_20161202\RO2500PF.DGN
 USER: cpadgett
 DATE PLOTTED: August 12, 2013
 E-SHEET NAME: RO2500PF
 MicroStation v8.11.7.443



US 127 CONNECTOR NO. 1
 PROFILE
 STA. 55+00 TO END



FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\RO2700PF.DGN
 USER: cpadgett
 DATE PLOTTED: April 21, 2014
 E-SHEET NAME: RO2700PF
 MicroStation v8.11.7.443

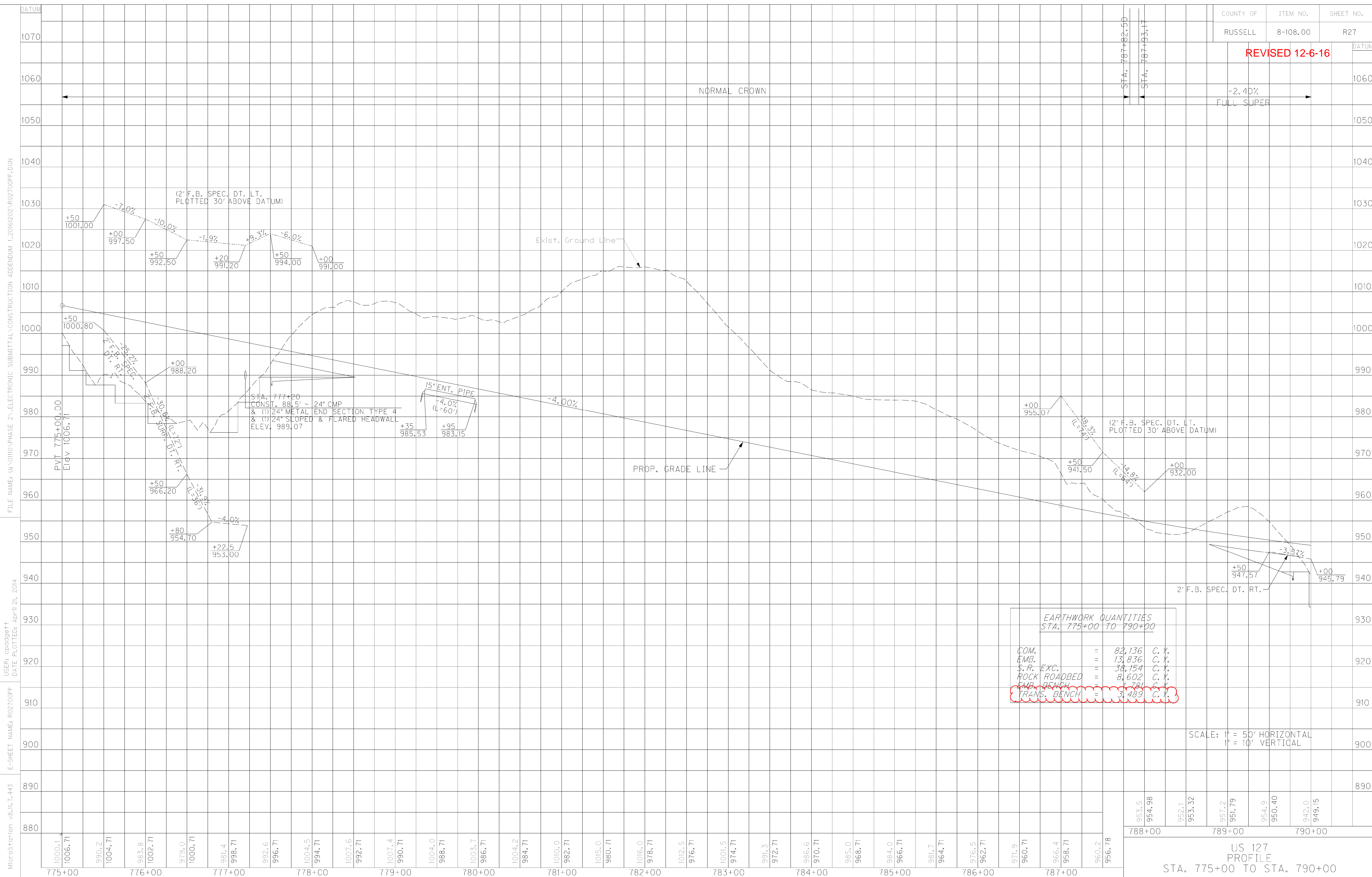
EARTHWORK QUANTITIES STA. 775+00 TO 790+00			
COM.	=	82,136	C. Y.
EMB.	=	13,836	C. Y.
S.P. EXC.	=	38,154	C. Y.
ROCK ROADBED	=	8,602	C. Y.
EMB. BENCH	=	1,781	C. Y.
TRANS. BENCH	=	3,489	C. Y.

SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

Station	Elevation
788+00	953.5
788+00	954.98
789+00	952.1
789+00	953.32
789+00	957.2
789+00	951.79
790+00	954.9
790+00	960.40
790+00	942.0
790+00	949.15

US 127
 PROFILE
 STA. 775+00 TO STA. 790+00

REVISED 12-6-16



EARTHWORK QUANTITIES
STA. 775+00 TO 790+00

COM.	=	82,136	C. Y.
EMB.	=	13,836	C. Y.
S.P. EXC.	=	38,154	C. Y.
ROCK ROADBED	=	8,602	C. Y.
EMB. BENCH	=	781	C. Y.
TRANS. BENCH	=	3,489	C. Y.

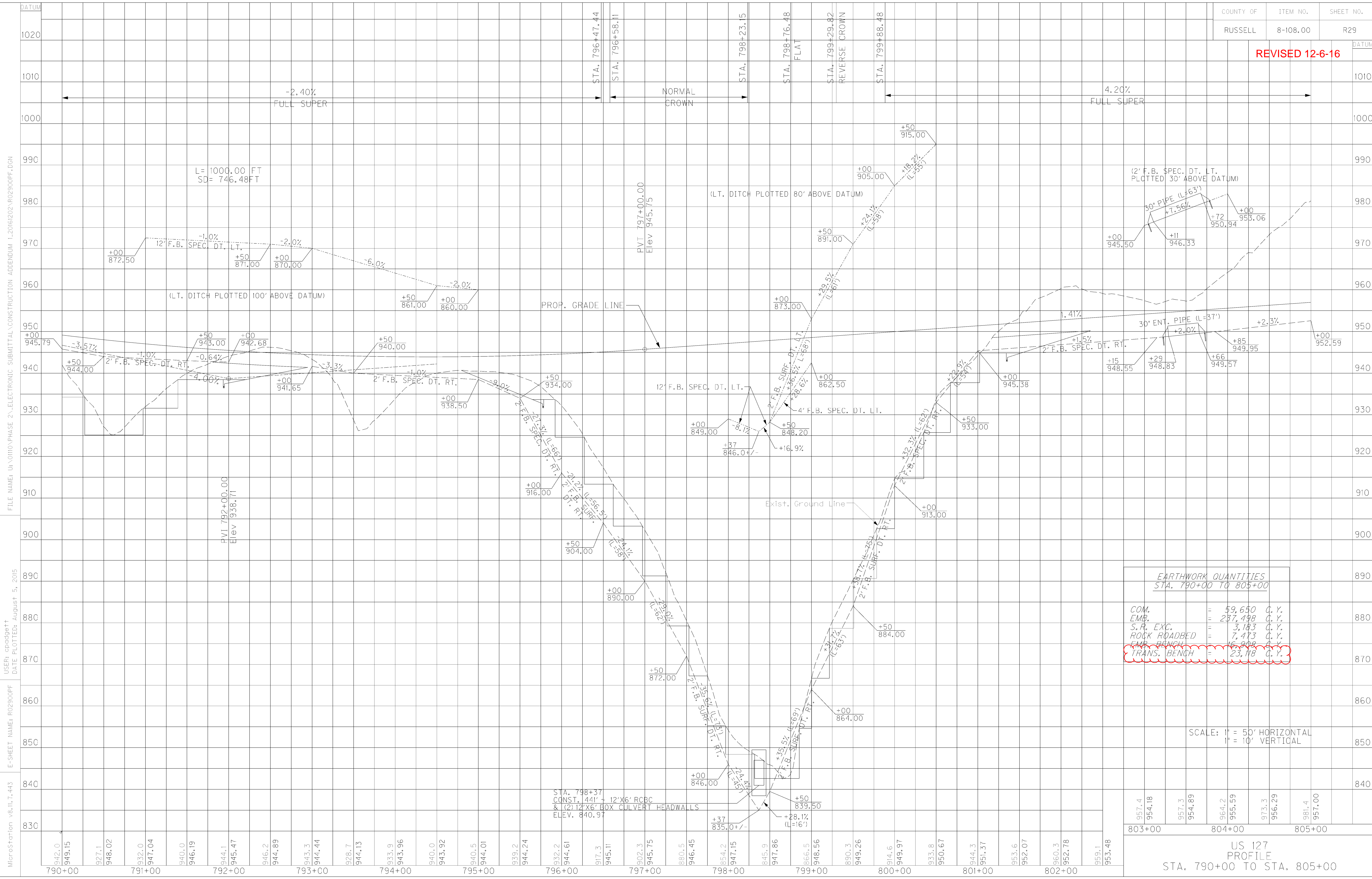
SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

953.5	954.98	952.1	953.32	951.2	951.79	954.9	950.40	942.0	949.15
788+00		789+00		790+00					

US 127
PROFILE
STA. 775+00 TO STA. 790+00

MicroStation v8.11.7.443 E-SHEET NAME: R02700PF USER: cpadpe11 DATE PLOTTED: April 21, 2014 FILE NAME: U:\010\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R02700PF.DGN

REVISED 12-6-16



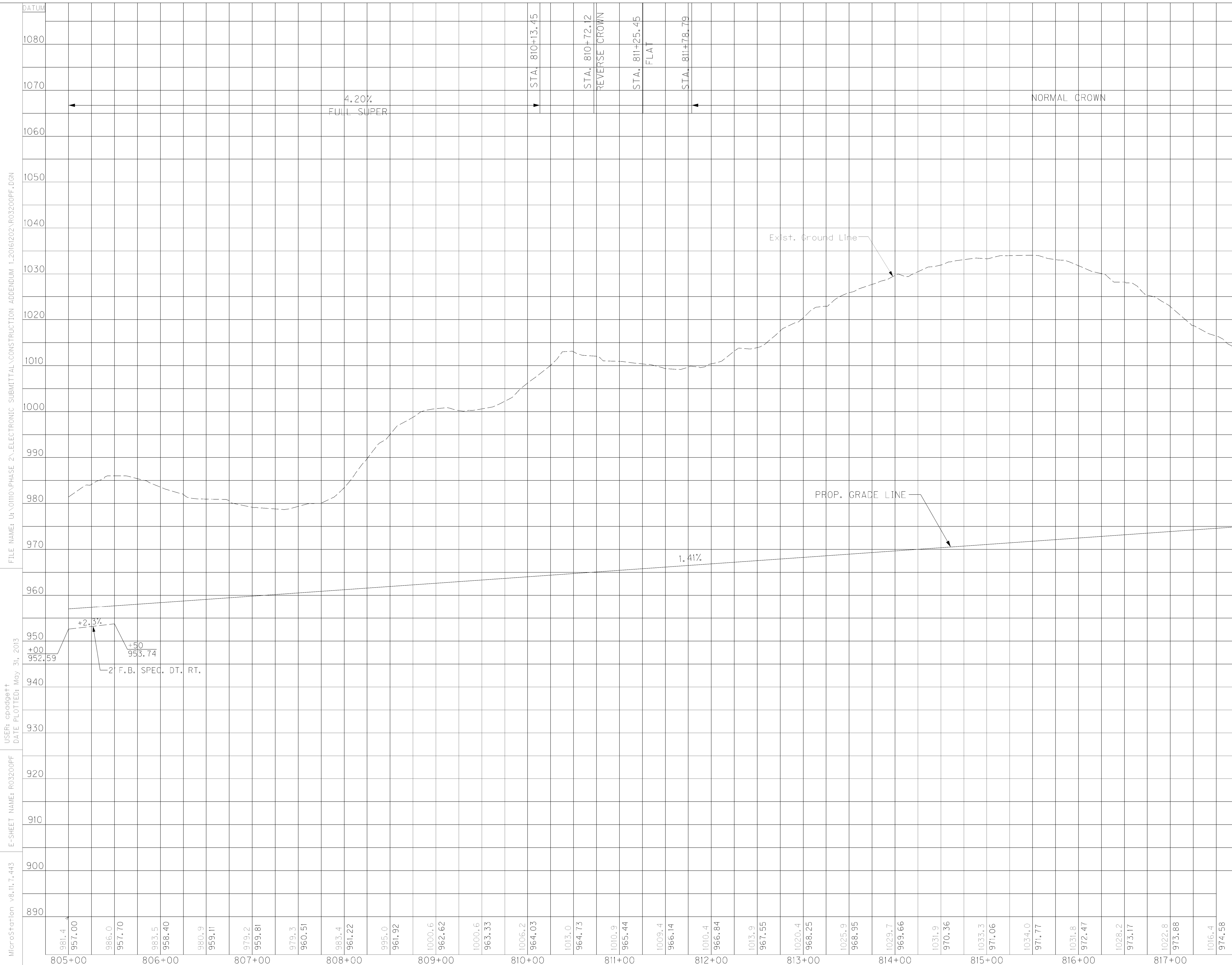
EARTHWORK QUANTITIES STA. 790+00 TO 805+00	
COM.	= 59,650 C.Y.
EMB.	= 257,498 C.Y.
S.P. EXC.	= 3,183 C.Y.
ROCK ROADBED	= 7,413 C.Y.
EMB. BENCH	= 6,808 C.Y.
TRANS. BENCH	= 23,118 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

Elevation	Station
957.4	803+00
954.18	
957.3	804+00
954.89	
964.2	
955.59	
973.3	805+00
956.29	
981.4	
957.00	

US 127
PROFILE
STA. 790+00 TO STA. 805+00

MicroStation v8.11.7.443 E-SHEET NAME: R02900PF USER: cpadpe11 DATE PLOTTED: August 5, 2015 FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R02900PF.DGN



**EARTHWORK QUANTITIES
 STA. 805+00 TO 820+00**

COM.	219,216	C.Y.
EMB.	0	C.Y.
S.R. EXC.	117,757	C.Y.
ROCK ROADBED	8,237	C.Y.
EMB. BENCH	0	C.Y.
TRANS. BENCH	19	C.Y.

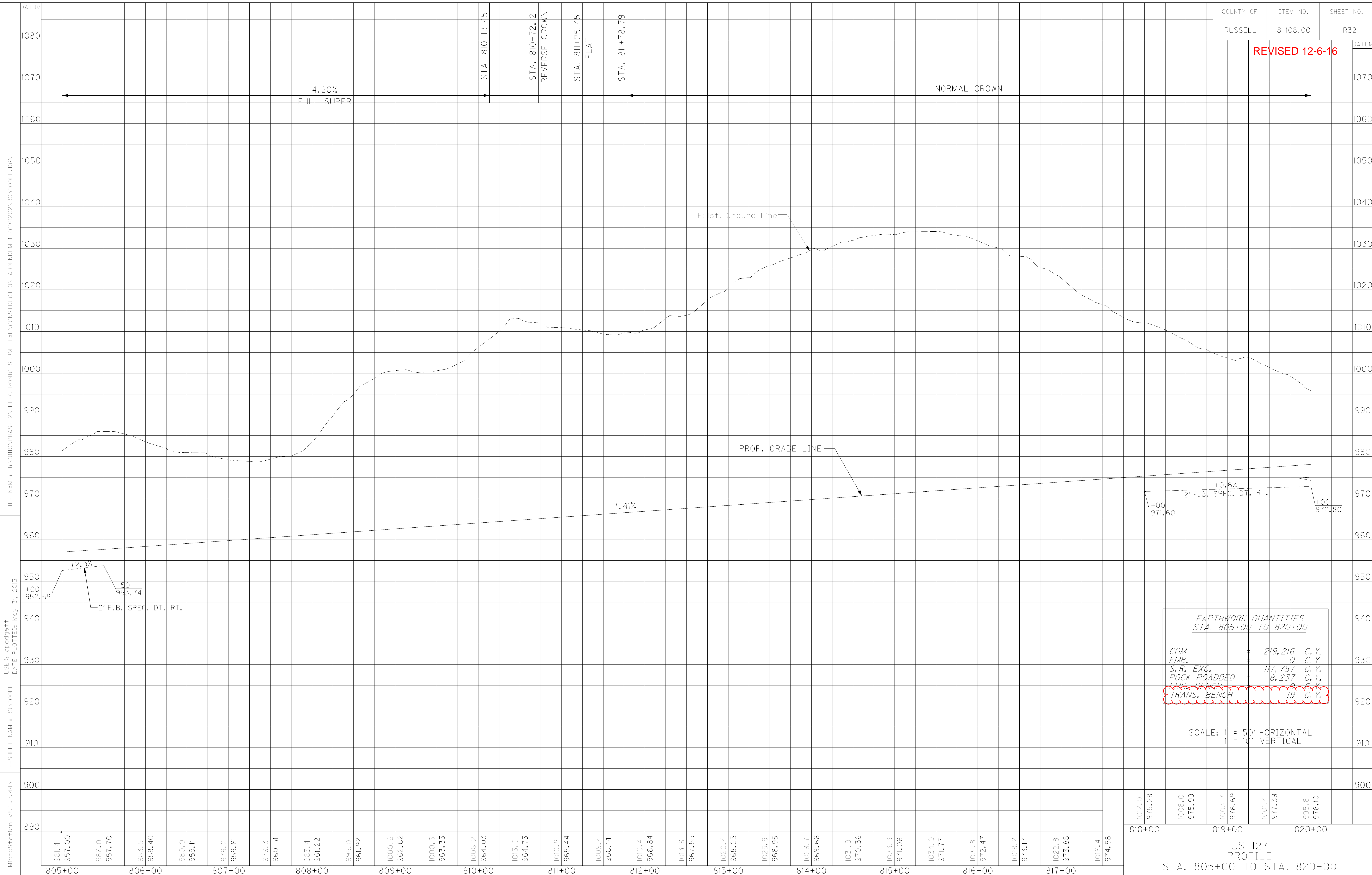
SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

1012.0	1008.0	1003.7	1001.4	995.8
975.28	975.99	976.69	977.39	978.10
818+00	819+00	820+00		

US 127
 PROFILE
 STA. 805+00 TO STA. 820+00

MicroStation v8.11.7.443
 E-SHEET NAME: R03200PF
 USER: cpadpe11
 DATE PLOTTED: May 31, 2013
 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\R03200PF.DGN

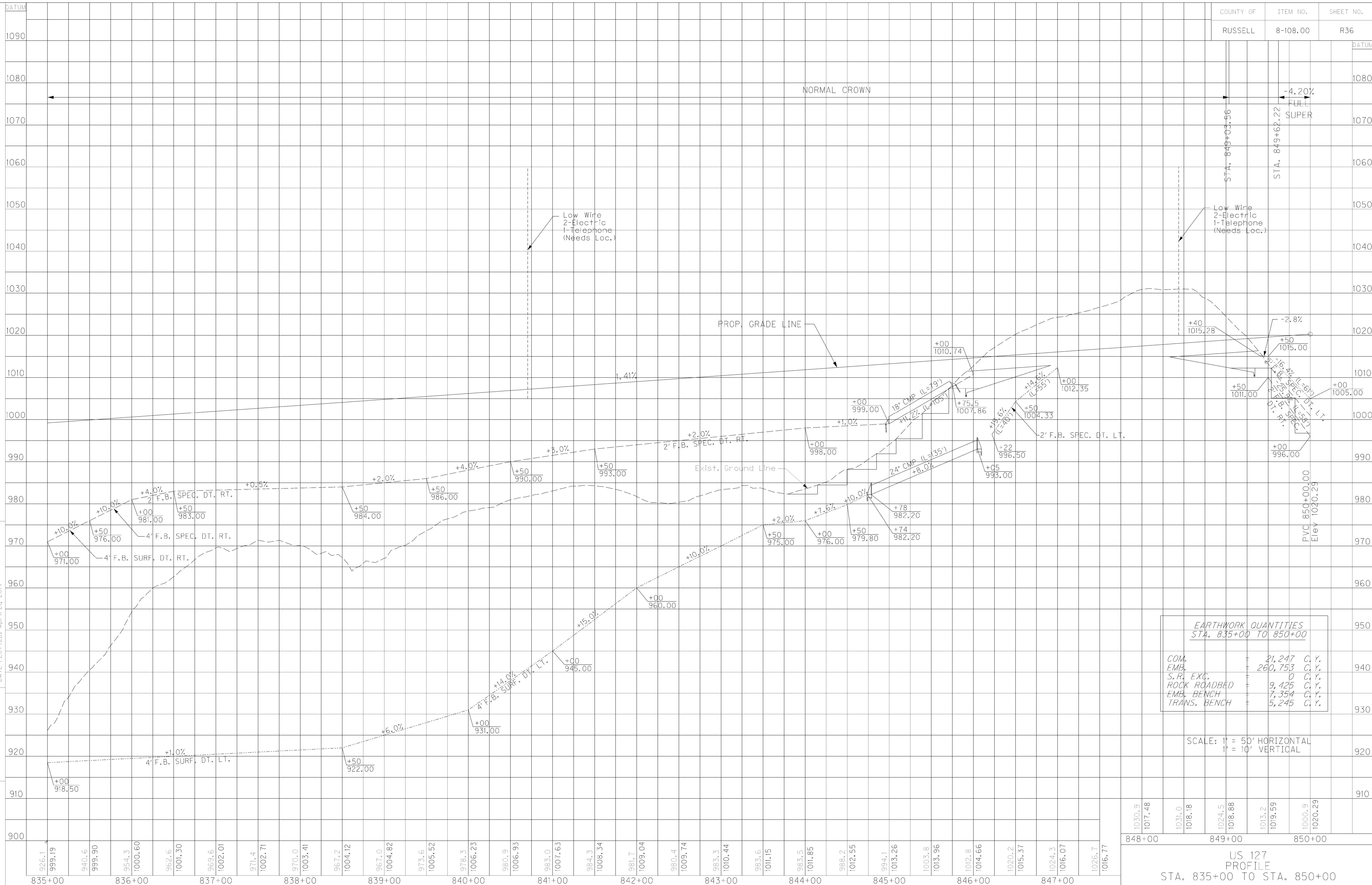
REVISED 12-6-16



MicroStation v8.11.7.443
 E-SHEET NAME: R03200PF
 USER: cpadpe11
 DATE PLOTTED: May 31, 2013
 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_20161202\R03200PF.DGN

US 127
 PROFILE
 STA. 805+00 TO STA. 820+00

FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\RO36\00PF.DGN
 USER: cpadgett
 DATE PLOTTED: April 21, 2014
 E-SHEET NAME: RO3600PF
 MicroStation v8.11.7.443



EARTHWORK QUANTITIES STA. 835+00 TO 850+00		
COM.	21,247	C.Y.
EMB.	260,753	C.Y.
S.R. EXC.	0	C.Y.
ROCK ROADBED	9,425	C.Y.
EMB. BENCH	7,354	C.Y.
TRANS. BENCH	5,245	C.Y.

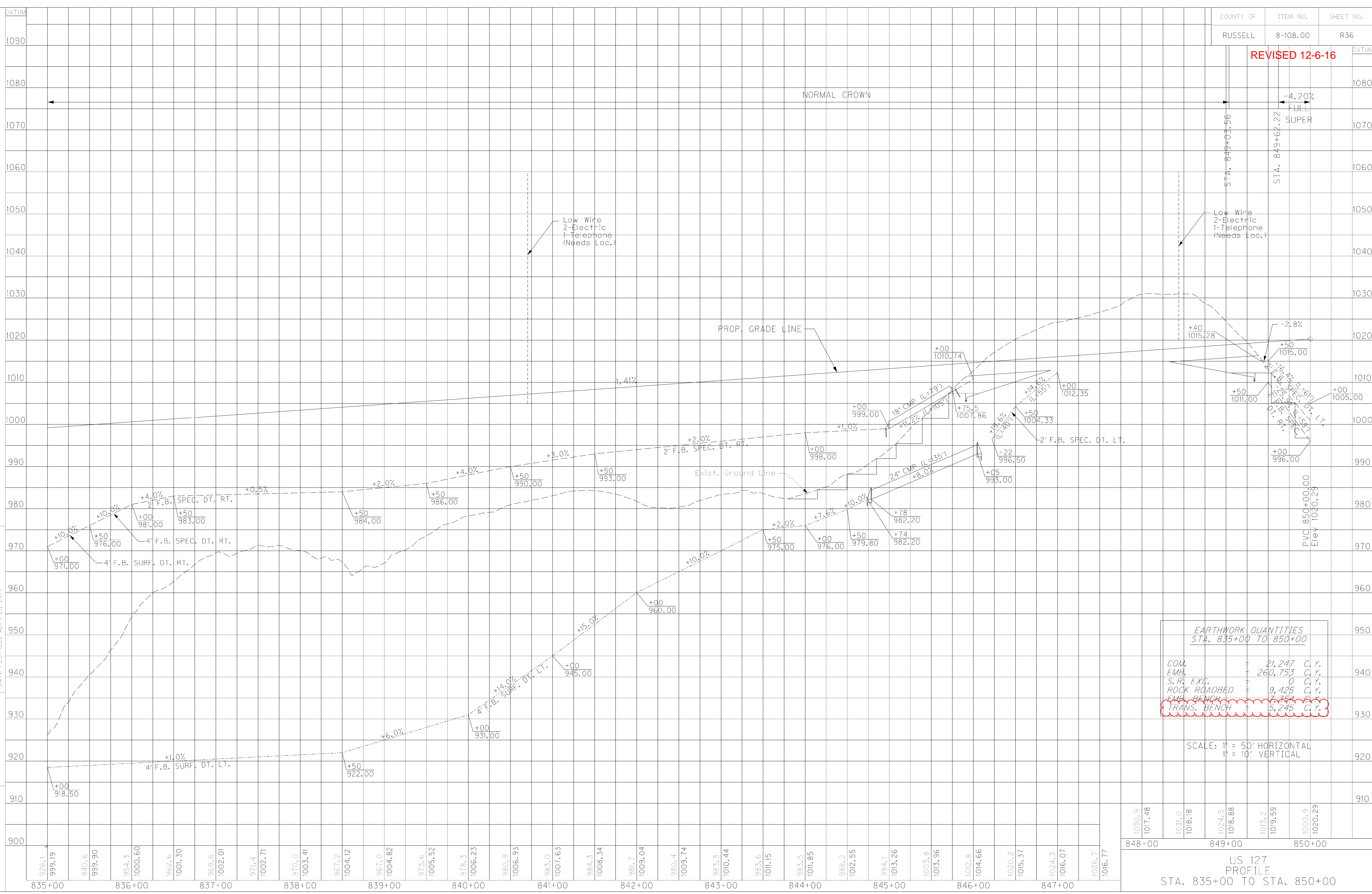
SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

1030.9	848+00
1017.48	
1031.0	849+00
1018.18	
1024.5	
1018.88	
1013.2	
1019.59	
1000.9	850+00
1020.29	

US 127
 PROFILE
 STA. 835+00 TO STA. 850+00

REVISED 12-6-16

FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\RO36\00PF.DGN
 USER: cpadde++
 DATE PLOTTED: April 21, 2014
 E-SHEET NAME: R03600PF
 MicroStation v8.11.7.443



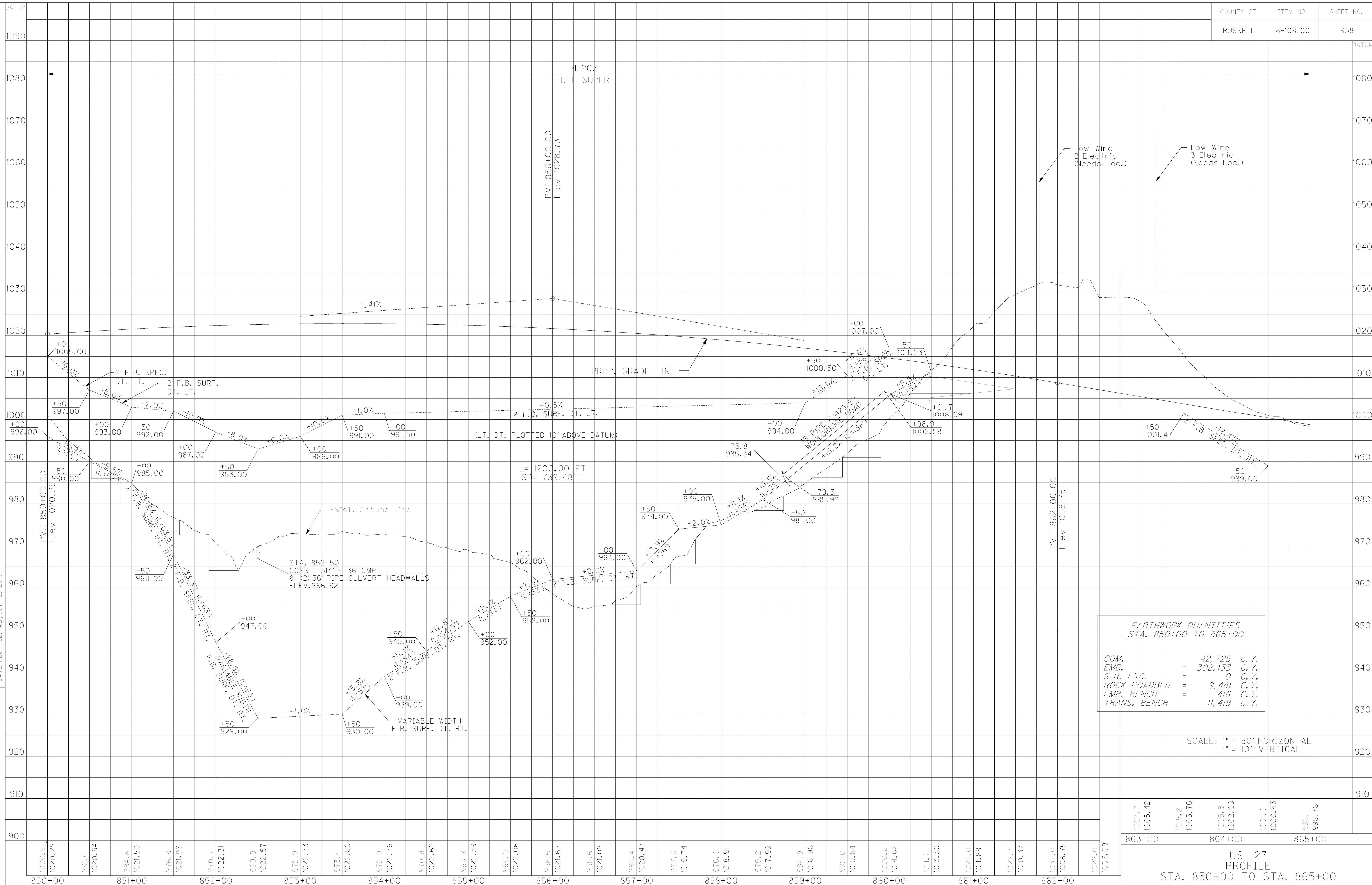
EARTHWORK QUANTITIES STA. 835+00 TO 850+00		
COM.	21,247	C.Y.
EMB.	260,753	C.Y.
S.R. EXC.	0	C.Y.
ROCK ROADBED	9,425	C.Y.
EMB. BENCH	7,354	C.Y.
TRANS. BENCH	5,245	C.Y.

SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

1030.9	1017.48	1031.0	1018.18	1024.5	1018.88	1013.2	1019.59	1000.9	1020.29
848+00		849+00		850+00					

US 127
 PROFILE
 STA. 835+00 TO STA. 850+00

FILE NAME: U:\0110\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDUM 1_2016\202\PO3800PF.DGN
 USER: cpadgett
 DATE PLOTTED: August 12, 2013
 E-SHEET NAME: PO3800PF
 MicroStation v8.11.7.443



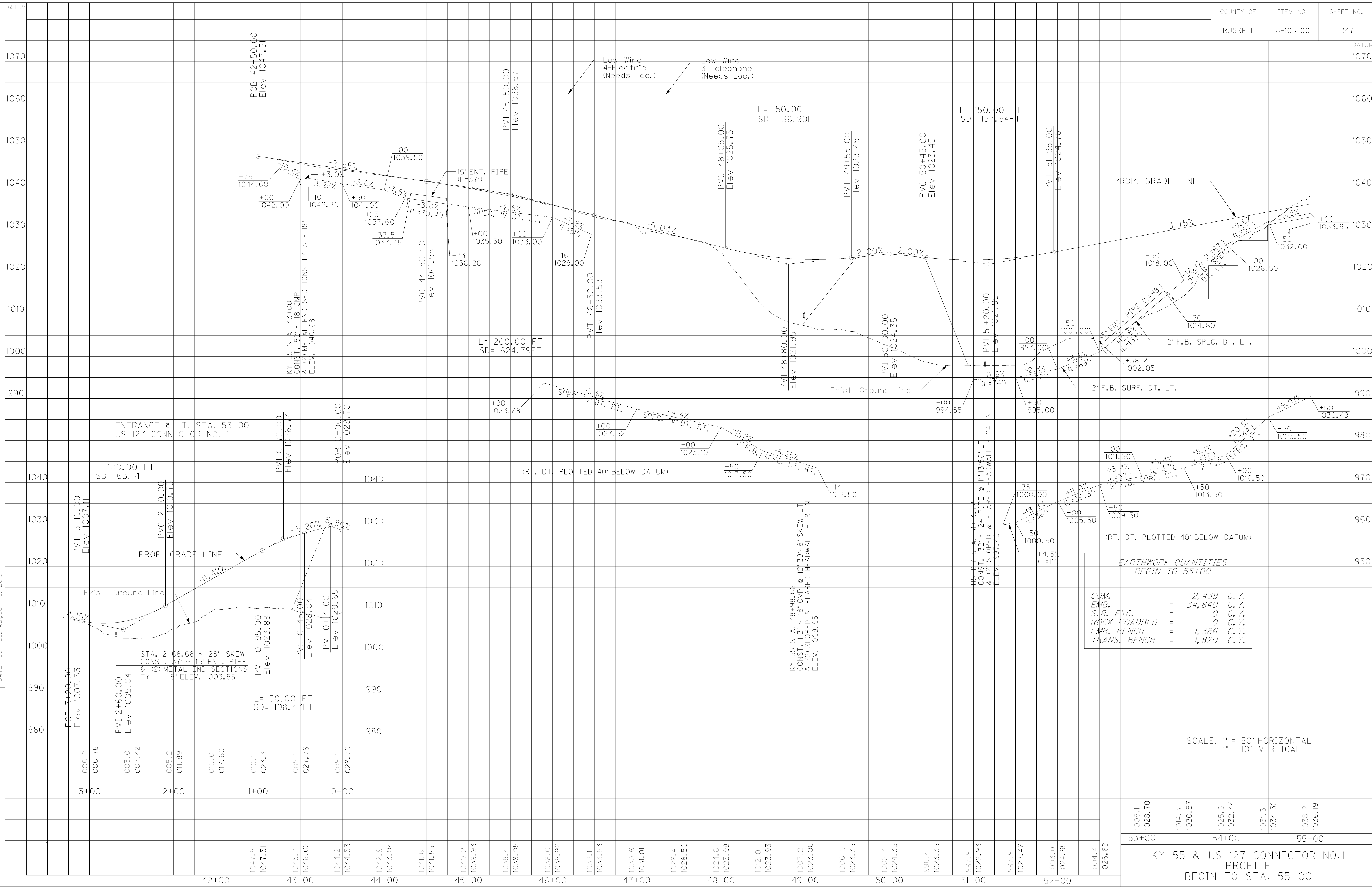
EARTHWORK QUANTITIES STA. 850+00 TO 865+00		
COM.	42,725	C. Y.
EMB.	302,133	C. Y.
S. P. EXC.	0	C. Y.
ROCK ROADBED	9,441	C. Y.
EMB. BENCH	416	C. Y.
TRANS. BENCH	11,419	C. Y.

SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

1027.7	1005.42	1015.2	1003.76	1005.8	1002.09	1001.0	1000.43	998.1	998.76
863+00		864+00				865+00			

US 127
 PROFILE
 STA. 850+00 TO STA. 865+00

MicroStation v8.11.7.443 E-SHEET NAME: R04700PF USER: cpadgett DATE PLOTTED: August 12, 2013 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDIX 1_20161202\R04700PF.DGN



EARTHWORK QUANTITIES BEGIN TO 55+00		
COM. EMB.	=	2,439 C.Y.
S.R. EXC.	=	34,840 C.Y.
ROCK ROADBED	=	0 C.Y.
EMB. BENCH	=	1,386 C.Y.
TRANS. BENCH	=	1,820 C.Y.

SCALE: 1" = 50' HORIZONTAL
 1" = 10' VERTICAL

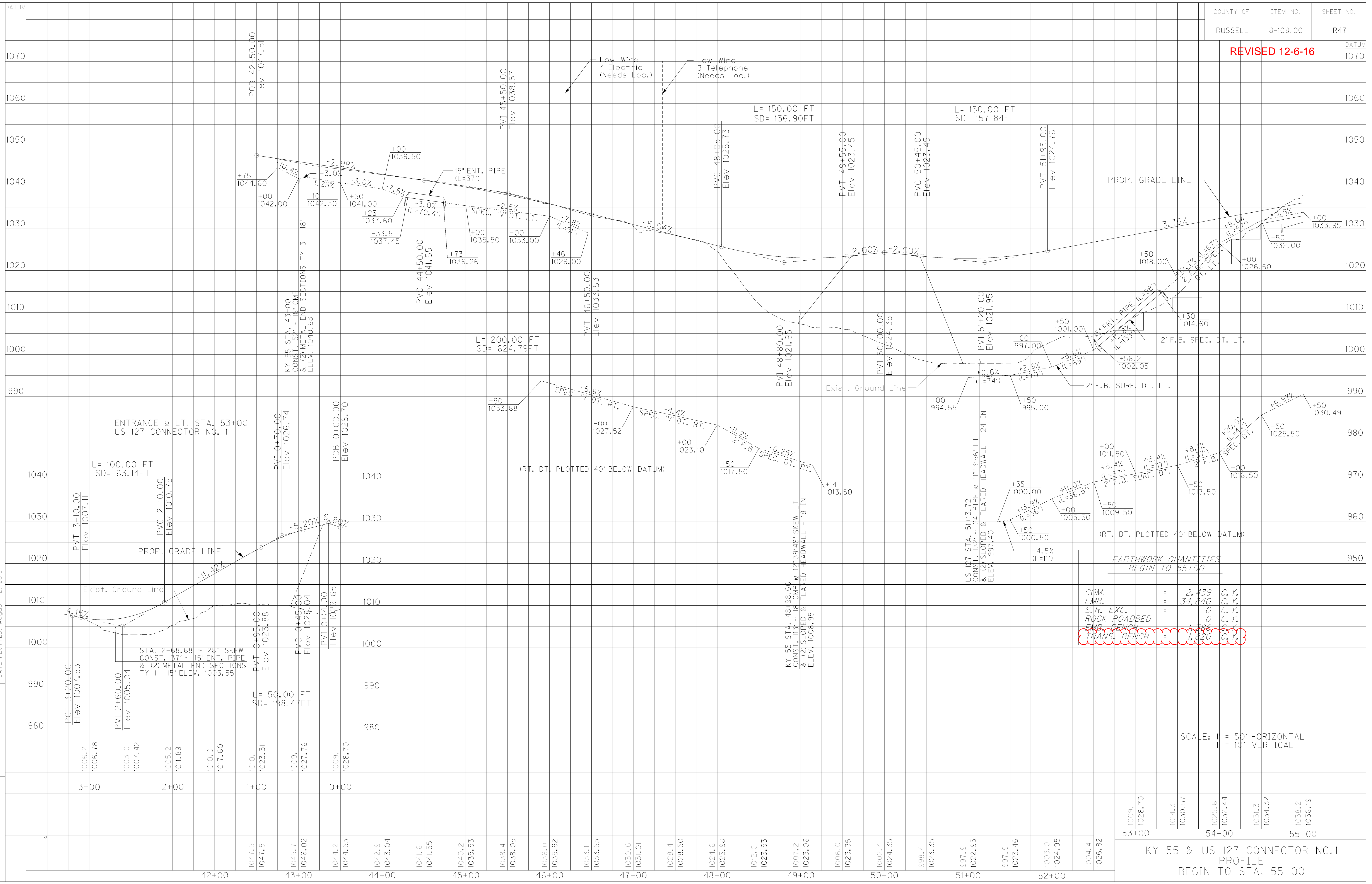
KY 55 & US 127 CONNECTOR NO.1
 PROFILE
 BEGIN TO STA. 55+00

DATUM	STATION	ELEVATION
1070		
1060		
1050		
1040		
1030		
1020		
1010		
1000		
990		
1040	3+00	1006.2
1030	3+00	1006.178
1020	3+00	1003.40
1010	3+00	1007.42
1000	3+00	1005.2
990	3+00	1011.89
980	3+00	1010.0
	3+00	1017.60
	2+00	1010.0
	2+00	1023.31
	1+00	1009.1
	1+00	1027.176
	0+00	1009.1
	0+00	1028.70
	42+00	1047.5
	42+00	1047.51
	43+00	1045.7
	43+00	1046.02
	44+00	1044.2
	44+00	1044.53
	44+00	1042.9
	44+00	1043.04
	45+00	1041.6
	45+00	1041.55
	45+00	1040.2
	45+00	1039.93
	46+00	1038.4
	46+00	1038.05
	46+00	1036.0
	46+00	1035.92
	47+00	1033.1
	47+00	1033.53
	48+00	1030.6
	48+00	1031.01
	48+00	1028.4
	48+00	1028.50
	49+00	1024.6
	49+00	1025.98
	50+00	1021.0
	50+00	1023.93
	51+00	1007.2
	51+00	1023.06
	52+00	1006.0
	52+00	1023.35
	53+00	1002.4
	53+00	1024.35
	54+00	998.4
	54+00	1023.35
	55+00	997.9
	55+00	1022.93
	55+00	997.9
	55+00	1023.46
	55+00	1003.0
	55+00	1024.95
	55+00	1004.4
	55+00	1026.82

REVISED 12-6-16

DATUM 1070

MicroStation v8.11.7.443 E-SHEET NAME: R04700PF USER: cpadgett DATE PLOTTED: August 12, 2013 FILE NAME: U:\OHIO\PHASE 2\ELECTRONIC SUBMITTAL\CONSTRUCTION APPENDIX 1_20161202\R04700PF.DGN



EARTHWORK QUANTITIES BEGIN TO 55+00		
COM. EMB.	=	2,439 C.Y.
S.R. EXC.	=	34,840 C.Y.
ROCK ROADBED	=	0 C.Y.
EMB. BENCH	=	886 C.Y.
TRANS. BENCH	=	1,820 C.Y.

SCALE: 1" = 50' HORIZONTAL
1" = 10' VERTICAL

53+00 54+00 55+00
KY 55 & US 127 CONNECTOR NO.1
PROFILE
BEGIN TO STA. 55+00

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 12-6-16

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Report Date 12/6/16

Section: 0001 - PAVING - ASPHALT ALTERNATE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	42,442.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	1,838.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	232.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	28.00	TON		\$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22	13,044.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	19,462.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22	4,095.00	TON		\$	
0080	00339		CL3 ASPH SURF 0.38D PG64-22	3,091.00	TON		\$	
0090	02200		ROADWAY EXCAVATION (REVISED: 12-6-16)	4,484,998.00	CUYD		\$	
0100	10203ND		PAVEMENT ADJUSTMENT (ASPHALT ALTERNATE)	1.00	LS	431,454.00	\$	\$431,454.00

Section: 0002 - PAVING - CONCRETE ALTERNATE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0150	00003		CRUSHED STONE BASE	43,447.00	TON		\$	
0160	00020		TRAFFIC BOUND BASE	1,838.00	TON		\$	
0170	00100		ASPHALT SEAL AGGREGATE	232.00	TON		\$	
0180	00103		ASPHALT SEAL COAT	28.00	TON		\$	
0190	00212		CL2 ASPH BASE 1.00D PG64-22	8,699.00	TON		\$	
0200	00301		CL2 ASPH SURF 0.38D PG64-22	2,647.00	TON		\$	
0210	02078		JPC PAVEMENT-6 IN SHLD	21,065.00	SQYD		\$	
0220	02084		JPC PAVEMENT-8 IN	44,959.00	SQYD		\$	
0230	02200		ROADWAY EXCAVATION (REVISED: 12-6-16)	4,481,295.00	CUYD		\$	
0240	10203ND		PAVEMENT ADJUSTMENT (CONCRETE ALTERNATE)	1.00	LS	323,643.00	\$	\$323,643.00

Section: 0003 - PAVING - CONCRETE WITH ASPHALT SHOULDERS ALTERNATE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0250	00003		CRUSHED STONE BASE	44,779.00	TON		\$	
0260	00020		TRAFFIC BOUND BASE	1,838.00	TON		\$	
0270	00100		ASPHALT SEAL AGGREGATE	232.00	TON		\$	
0280	00103		ASPHALT SEAL COAT	28.00	TON		\$	
0290	00212		CL2 ASPH BASE 1.00D PG64-22	13,044.00	TON		\$	
0300	00301		CL2 ASPH SURF 0.38D PG64-22	4,095.00	TON		\$	
0310	02084		JPC PAVEMENT-8 IN	44,959.00	SQYD		\$	
0320	02200		ROADWAY EXCAVATION (REVISED: 12-6-16)	4,481,295.00	CUYD		\$	
0330	10203ND		PAVEMENT ADJUSTMENT (CONCRETE) (REVISED: 12-6-16)	1.00	LS	323,643.00	\$	\$323,643.00

Section: 0004 ROADWAY

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 12-6-16

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Report Date 12/6/16

Section: UUU4 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0340	00071		CRUSHED AGGREGATE SIZE NO 57	10.70	TON		\$	
0350	00078		CRUSHED AGGREGATE SIZE NO 2	68.00	TON		\$	
0360	01000		PERFORATED PIPE-4 IN	11,235.00	LF		\$	
0370	01010		NON-PERFORATED PIPE-4 IN	4,830.00	LF		\$	
0380	01020		PERF PIPE HEADWALL TY 1-4 IN	33.00	EACH		\$	
0390	01024		PERF PIPE HEADWALL TY 2-4 IN	2.00	EACH		\$	
0400	01028		PERF PIPE HEADWALL TY 3-4 IN	28.00	EACH		\$	
0410	01032		PERF PIPE HEADWALL TY 4-4 IN	5.00	EACH		\$	
0420	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	200.00	EACH		\$	
0430	02014		BARRICADE-TYPE III	26.00	EACH		\$	
0440	02091		REMOVE PAVEMENT	2,024.00	SQYD		\$	
0450	02159		TEMP DITCH	33,400.00	LF		\$	
0460	02242		WATER (FOR DUST CONTROL)	13.00	MGAL		\$	
0470	02259		FENCE-TEMP	1,000.00	LF		\$	
0480	02262		FENCE-WOVEN WIRE TYPE 1	45,745.00	LF		\$	
0490	02351		GUARDRAIL-STEEL W BEAM-S FACE	11,887.50	LF		\$	
0500	02360		GUARDRAIL TERMINAL SECTION NO 1	8.00	EACH		\$	
0510	02367		GUARDRAIL END TREATMENT TYPE 1	13.00	EACH		\$	
0520	02371		GUARDRAIL END TREATMENT TYPE 7	10.00	EACH		\$	
0530	02373		GUARDRAIL END TREATMENT TYPE 3	2.00	EACH		\$	
0540	02391		GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH		\$	
0550	02429		RIGHT-OF-WAY MONUMENT TYPE 1	188.00	EACH		\$	
0560	02432		WITNESS POST	47.00	EACH		\$	
0570	02488		CHANNEL LINING CLASS IV	22,854.00	CUYD		\$	
0580	02545		CLEARING AND GRUBBING (APPROXIMATELY 237 ACRES)	1.00	LS		\$	
0590	02562		TEMPORARY SIGNS	840.00	SQFT		\$	
0600	02570		PROJECT CPM SCHEDULE SEE DESIGN FOR SPECIAL NOTE	1.00	LS		\$	
0610	02585		EDGE KEY	230.60	LF		\$	
0620	02596		FABRIC-GEOTEXTILE TYPE I	33,475.00	SQYD		\$	
0630	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0640	02651		DIVERSIONS (BY-PASS DETOURS) (BALLINGER)	1.00	LS		\$	
0650	02651		DIVERSIONS (BY-PASS DETOURS) (CONNECTION 869+00)	1.00	LS		\$	
0660	02651		DIVERSIONS (BY-PASS DETOURS) (CONNECTOR)	1.00	LS		\$	
0670	02651		DIVERSIONS (BY-PASS DETOURS) (END TIE)	1.00	LS		\$	
0680	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0690	02690		SAFELoading	2.20	CUYD		\$	
0700	02696		SHOULDER RUMBLE STRIPS-SAWED	24,446.00	LF		\$	
0710	02701		TEMP SILT FENCE	33,400.00	LF		\$	
0720	02703		SILT TRAP TYPE A	237.00	EACH		\$	
0730	02704		SILT TRAP TYPE B	237.00	EACH		\$	
0740	02705		SILT TRAP TYPE C	237.00	EACH		\$	
0750	02706		CLEAN SILT TRAP TYPE A	2,133.00	EACH		\$	
0760	02707		CLEAN SILT TRAP TYPE B	2,133.00	EACH		\$	

PROPOSAL BID ITEMS

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Report Date 12/6/16

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	02708		CLEAN SILT TRAP TYPE C	2,133.00	EACH		\$	
0780	02726		STAKING	1.00	LS		\$	
0790	02775		ARROW PANEL	2.00	EACH		\$	
0800	05950		EROSION CONTROL BLANKET	27,935.00	SQYD		\$	
0810	05952		TEMP MULCH	1,147,080.00	SQYD		\$	
0820	05953		TEMP SEEDING AND PROTECTION	80,247.00	SQYD		\$	
0830	05963		INITIAL FERTILIZER	24.90	TON		\$	
0840	05964		20-10-10 FERTILIZER	41.50	TON		\$	
0850	05985		SEEDING AND PROTECTION	802,472.00	SQYD		\$	
0860	05990		SODDING	1,000.00	SQYD		\$	
0870	05992		AGRICULTURAL LIMESTONE	497.40	TON		\$	
0880	06412		STEEL POST MILE MARKERS	8.00	EACH		\$	
0890	06510		PAVE STRIPING-TEMP PAINT-4 IN	10,000.00	LF		\$	
0900	06514		PAVE STRIPING-PERM PAINT-4 IN (WHITE)	32,191.00	LF		\$	
0910	06514		PAVE STRIPING-PERM PAINT-4 IN (YELLOW)	28,535.00	LF		\$	
0920	06517		PAVE STRIPING-PERM PAINT-12 IN	207.00	LF		\$	
0930	06568		PAVE MARKING-THERMO STOP BAR-24IN	216.00	LF		\$	
0940	06574		PAVE MARKING-THERMO CURV ARROW	6.00	EACH		\$	
0950	06578		PAVE MARKING-THERMO MERGE ARROW	6.00	EACH		\$	
0960	06588		PAVEMENT MARKER TY IVA-BY TEMP	65.00	EACH		\$	
0970	20458ES403		CENTERLINE RUMBLE STRIPS	14,110.00	LF		\$	
0980	23274EN11F		TURF REINFORCEMENT MAT 1	7,936.00	SQYD		\$	
0990	24668EC		STEEL ENCASEMENT PIPE (8-IN)	820.00	LF		\$	
1000	24814EC		PIPELINE INSPECTION	3,274.00	LF		\$	

Section: 0005 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1010	00440		ENTRANCE PIPE-15 IN	638.00	LF		\$	
1020	00441		ENTRANCE PIPE-18 IN	173.00	LF		\$	
1030	00443		ENTRANCE PIPE-24 IN	76.00	LF		\$	
1040	00445		ENTRANCE PIPE-30 IN	37.00	LF		\$	
1050	00462		CULVERT PIPE-18 IN	1,019.50	LF		\$	
1060	00464		CULVERT PIPE-24 IN	559.50	LF		\$	
1070	00466		CULVERT PIPE-30 IN	151.00	LF		\$	
1080	00468		CULVERT PIPE-36 IN	980.00	LF		\$	
1090	00470		CULVERT PIPE-48 IN	85.00	LF		\$	
1100	00471		CULVERT PIPE-54 IN	479.00	LF		\$	
1110	01202		PIPE CULVERT HEADWALL-15 IN	1.00	EACH		\$	
1120	01204		PIPE CULVERT HEADWALL-18 IN	8.00	EACH		\$	
1130	01208		PIPE CULVERT HEADWALL-24 IN	7.00	EACH		\$	
1140	01212		PIPE CULVERT HEADWALL-36 IN	8.00	EACH		\$	
1150	01216		PIPE CULVERT HEADWALL-48 IN	1.00	EACH		\$	
1160	01370		METAL END SECTION TY 1-15 IN	27.00	EACH		\$	
1170	01371		METAL END SECTION TY 1-18 IN	6.00	EACH		\$	
1180	01373		METAL END SECTION TY 1-24 IN	3.00	EACH		\$	
1190	01374		METAL END SECTION TY 1-30 IN	2.00	EACH		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 12-6-16

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Report Date 12/6/16

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1200	01391		METAL END SECTION TY 3-18 IN	12.00	EACH		\$	
1210	01393		METAL END SECTION TY 3-24 IN	6.00	EACH		\$	
1220	01394		METAL END SECTION TY 3-30 IN	2.00	EACH		\$	
1230	01397		METAL END SECTION TY 3-48 IN	1.00	EACH		\$	
1240	01411		METAL END SECTION TY 4-18 IN	2.00	EACH		\$	
1250	01413		METAL END SECTION TY 4-24 IN	2.00	EACH		\$	
1260	01414		METAL END SECTION TY 4-30 IN	2.00	EACH		\$	
1270	01511		DROP BOX INLET TYPE 5D	1.00	EACH		\$	
1280	01670		SPRING BOX INLET TYPE B	1.00	EACH		\$	
1290	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	7,827.60	SQYD	\$2.00	\$	\$15,656.77
1300	24026EC		PIPE CULVERT HEADWALL-54 IN	2.00	EACH		\$	

Section: 0006 - BRIDGE - CULVERT - STA. 679+13.40 - DWG. 27227

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1310	08002		STRUCTURE EXCAV-SOLID ROCK	220.00	CUYD		\$	
1320	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1330	08100		CONCRETE-CLASS A	1,060.00	CUYD		\$	
1340	08150		STEEL REINFORCEMENT	205,618.00	LB		\$	

Section: 0007 - BRIDGE - CULVERT - STA. 724+28.50 - DWG. 27228

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	08002		STRUCTURE EXCAV-SOLID ROCK	1,405.00	CUYD		\$	
1360	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1370	08100		CONCRETE-CLASS A	741.00	CUYD		\$	
1380	08150		STEEL REINFORCEMENT	206,916.00	LB		\$	

Section: 0008 - BRIDGE - CULVERT - STA. 798+37 - DWG. 27229

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1390	08002		STRUCTURE EXCAV-SOLID ROCK	2,806.00	CUYD		\$	
1400	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1410	08100		CONCRETE-CLASS A	2,035.00	CUYD		\$	
1420	08150		STEEL REINFORCEMENT	415,512.00	LB		\$	

Section: 0009 - BRIDGE - CULVERT - STA. 825+69 - DWG. 27230

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1430	08002		STRUCTURE EXCAV-SOLID ROCK	2,837.00	CUYD		\$	
1440	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1450	08100		CONCRETE-CLASS A	1,832.00	CUYD		\$	
1460	08150		STEEL REINFORCEMENT	397,750.00	LB		\$	

PROPOSAL BID ITEMS

Report Date 12/6/16

Section: 0010 - TRAINEES - ADDED 11-23-16

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0110	02742		TRAINEE PAYMENT REIMBURSEMENT 1 GROUP 2, 3, OR 4 OPERATOR (ADDED: 11-23-16)	1,400.00	HOUR		\$	
0120	02742		TRAINEE PAYMENT REIMBURSEMENT 1 GROUP 2, 3, OR 4 OPERATOR (ADDED: 11-23-16)	1,400.00	HOUR		\$	

Section: 0011 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0130	02568		MOBILIZATION	1.00	LS		\$	
0140	02569		DEMOBILIZATION	1.00	LS		\$	