DATE		
NO. SETS		
	RECORD PLANS	CONSTRUCTION PLANS

REVIEWED BY _____
DIVISION OF CONSTRUCTION

THIS IS A HALF SIZE SET OF PLANS

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	S001

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

PERRY COUNTY
KY 15 RELOCATION
FINAL RIGHT OF WAY PLANS

SUPPLEMENTAL CONSTRUCTION PLANS AND CROSS SECTIONS (UNFINALIZED)

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R002E-R002J	SUMMARY OF QUANTITY SHEETS
R036-R054	TRAFFIC CONTROL SHEETS
R055-R067	EROSION CONTROL SHEETS
R070-R072	RETAINING WALL PROFILE SHEETS
R073-R091	SOIL PROFILE SHEETS
R092-R114	PIPE DRAINAGE SHEETS
X001-X267	CROSS SECTION SHEETS

NOT USED: R035

TOTAL SHEETS

(R) ROADWAY	78
(X) CROSS SECTIONS	267

SHEETS NOT INCLUDED IN TOTAL SHEETS

R002F-R002J

OCTOBER 25, 2013

PLANS PREPARED AND SUBMITTED BY:

GRW Engineers, Inc.

USER: GRW Engineers, Inc.
DATE: 10/25/2013
FILE NAME: T:\1797\Phase 2\Sheets\Misc\Supplemental.dgn
E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R002E

GENERAL SUMMARY

ITEM CODE	ITEM	UNIT	KY 15 RELOCATION	APPROACH ROADS	DETOURS & TRAFFIC CONTROL						PROJECT TOTALS
1310	REMOVE PIPE	LF	69								69
1691	FLUME INLET TYPE 2	EACH	5								5
1810	STANDARD CURB AND GUTTER	LF	1768								1768
1845	ISLAND INTEGRAL CURB	LF	32								32
1891	ISLAND HEADER CURB TYPE 2	LF	478								478
1897	ASPHALT WEDGE CURB	LF	2059								2059
1917	STANDARD BARRIER MEDIAN TYPE 2	SQ YD	161.2	122							283.2
1967	CONC MEDIAN BARRIER TYPE 12C	EACH		302							302
1987	DELINEATOR FOR GUARDRAIL B/W	EACH									255
2003	RELOCATE CONCRETE MEDIAN BARRIER	LF			586						586
2091	REMOVE PAVEMENT	SQ YD	3700	844							4544
2157	PAVED DITCH TYPE 1	SQ YD	1405								1405
2159	TEMPORARY DITCH	LF									13000
2200	ROADWAY EXCAVATION ①	CU YD									93258
2242	WATER ②	M GAL									1000
2262	FENCE-WOVEN WIRE TYPE 1	LF	3184								3184
2351	GUARDRAIL-STEEL W BEAM-S FACE	EACH	12455.24	294.76							12750
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	26	1							27
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	4								4
2364	GUARDRAIL TERMINAL SECT NO 2	EACH	4								4
2369	GUARDRAIL END TREATMENT TY 2A	EACH	6	1							7
2381	REMOVE GUARDRAIL	LF	671								671
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	2								2
2397	TEMP GUARDRAIL	LF			83						83
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	83	11							94
2430	RIGHT-OF-WAY MONUMENT TYPE 1A	EACH		1							1
2432	WITNESS POST	EACH									3
2446	REMOVE & RESET R/W MARKER	EACH	2								2
2482	CHANNEL LINING CLASS IA	TON	272	243							515
2483	CHANNEL LINING CLASS II	TON	2595	227							2822
2484	CHANNEL LINING CLASS III	TON	3466	614							4080
2545	CLEARING AND GRUBBING ③	LP SUM	1								1
2555	CONCRETE CLASS B	TON	91								91
2562	SIGNS (TEMPORARY)	SQ FT									1000
2568	MOBILIZATION (3%)	LP SUM									1
2569	DEMOBILIZATION (1.5%)	LP SUM									1
2625	REMOVE HEADWALL	EACH			1						1
2650	MAINTAIN & CONTROL TRAFFIC	LP SUM									1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH									2
2690	SAFELOADING	CU YD	182	74							256
2701	TEMPORARY SILT FENCE	LF									13000
2703	SILT TRAP TYPE A	EACH									73
2704	SILT TRAP TYPE B	EACH									73
2705	SILT TRAP TYPE C	EACH									146
2706	CLEAN SILT TRAP TYPE A	EACH									219
2707	CLEAN SILT TRAP TYPE B	EACH									219
2708	CLEAN SILT TRAP TYPE C	EACH									438
2709	CLEAN TEMP SILT FENCE	LF									13000
2726	STAKING	LP SUM									1
2731	REMOVE STRUCTURE	LP SUM	1								1
2775	ARROW PANEL	EACH									2
3171	CONCRETE MEDIAN BARRIER TYPE 9T	LF			1726						1726
5950	EROSION CONTROL BLANKET	SQ YD			138						138
5952	TEMPORARY MULCH	SQ YD									15000
5953	TEMP SEEDING AND PROTECTION	TON									173349
5966	TOPDRESSING FERTILIZER	TON									20

TOTAL PROJECT EARTHWORK CALCULATIONS

EXCAVATION		EMBANKMENT	
74,646	CU. YD. COMMON	26,647	CU. YD. EMBANKMENT
12,366	CU. YD. ROCK	2,592	CU. YD. REFILL
646	CU. YD. SURF. DTS.	29,239	TOTAL EMBANKMENT
1,931	EMB. BENCHES	7,602	CU. YD. 26% SHRINKAGE
2,433	TRANS. BENCHES	36,841	CU. YD.
92,022	CU. YD. TOTAL EXCAVATION	1,931	CU. YD. EMB. BENCHES
1,237	CU. YD. 10% ROCK SWELL	2,433	CU. YD. TRANS. BENCHES
93,258	CU. YD.	41,205	CU. YD.

WASTE = 52,054 CU. YD.

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY.
THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILTY.

① INCLUDES 646 CU. YD. FOR SURFACE DITCHES, 1931 CU. YD. FOR EMBANKMENT BENCHES, AND 2433 CU. YD. FOR TRANSVERSE BENCHES.
② FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.
③ APPROXIMATELY 111.88 ACRES.

PREPARED BY ____ DATE ____
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GENERAL SUMMARY
KY 15 RELOCATION

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R002F

GENERAL SUMMARY

ITEM CODE	ITEM	UNIT	KY 15 RELOCATION	APPROACH ROADS	DETOURS & TRAFFIC CONTROL						PROJECT TOTALS
5985	SEEDING AND PROTECTION	SQ YD									346698
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF									39000
6514	PAVE STRIPING-PERM PAINT-4 IN	LF									65000
6568	PAVE MARKING-THERMO STOP BAR - 24 IN	SQ FT									350
6573	PAVE MARKING-THERMO STR ARROW	EACH									10
6574	PAVE MARKING-THERMO CURV ARROW	EACH									12
6589	PAVEMENT MARKER TYPE V-MW	EACH									800
6591	PAVEMENT MARKER TYPE V-BY	EACH									400
10020NS	FUEL ADJUSTMENT	LP SUM									1
10030NS	ASPHALT ADJUSTMENT	LP SUM									1
20550ND	SAWCUT PAVEMENT	LF									26000
20997ED	REMOVE TRAFFIC ISLAND	SQ YD			588						588
21935EN	REMOVE CONCRETE MEDIAN BARRIER	LF			536						536
23839EC	REMOVE CONCRETE MEDIAN	SQ YD			2441						2441
23864EC	CHANNEL LINING CLASS III-MOD	TON	3716	4784							8500
23131ER701	PIPELINE VIDEO INSPECTION	LF									221

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GENERAL SUMMARY
KY 15 RELOCATION

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R002G

SHEET NO.	STATION	SKEW	ENTRANCE PIPE 15 INCH	ENTRANCE PIPE 18 INCH	ENTRANCE PIPE 24 INCH	ENTRANCE PIPE 30 INCH	CULVERT PIPE 18 INCH	CULVERT PIPE 24 INCH	CULVERT PIPE 30 INCH	CULVERT PIPE 36 INCH	CULVERT PIPE 42 INCH	CULVERT PIPE 60 INCH	CULVERT PIPE 30 INCH EQUIV	PIPE CULVERT HEADWALL - 18 INCH	PIPE CULVERT HEADWALL - 24 INCH	PIPE CULVERT HEADWALL - 30 INCH	PIPE CULVERT HEADWALL - 36 INCH	PIPE CULVERT HEADWALL - 60 INCH	METAL END SECTION TY 4-30 INCH	SLOPED BOX OUTLET TYPE 1 - 18 INCH	S&F BOX INLET - OUTLET 24 INCH	S&F BOX INLET - OUTLET 30 INCH	S&F BOX INLET - OUTLET 36 INCH	DROP BOX INLET TYPE 1	MANHOLE TYPE C	FABRIC GEOTEXTILE TYPE IV FOR PIPE	DOUBLE PIPE CULVERT HEADWALL - 30 INCH	DOUBLE PIPE CULVERT HEADWALL - 36 INCH			REMARKS
ITEM CODE			440	441	443	445	462	464	466	468	469	472	494	1204	1208	1210	1212	1220	1414	1433	1451	1452	1453	1490	1767	2600						
UNIT TO BID ON			LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ.YD.	EACH	EACH				
	MAINLINE																															
3	RT. STA. 119+50		106																													
3	STA. 122+26							134.00							1										1		246					24" S&F HDWL.
5	STA. 126+26						135.00							1											1		218					18" S&F HDWL.
5	STA. 129+78							133.02							1										1		244					24" S&F HDWL.
7	STA. 151+27	73°34'43" LT										120.88						1								1	437					
9	RT. STA. 160+50		99																													
11	LT. STA. 181+00										100																295					
11	RT. STA. 183+77							210																			385					
13	RT. STA. 197+00										77																227					
15	LT. STA. 212+00				55																											
15	RT. STA. 212+00					52																										
17	RT. STA. 223+50					52																										
17	LT. STA. 224+77		30		55																											
17	RT. STA. 224+38				50																2											
17	LT. STA. 229+50					180																										
19	STA. 230+31	7°14'10" RT								129.20							1							1			295					
19	RT. STA. 231+50			113																												
21	STA. 247+00	0°53'50" RT						9.92							1												19					24" S&F HDWL.
	H.R.P. RAMP "D"																															
23	STA. 73+82.02	1°59'09" LT					4.00													1							7					
7	STA. 78+25+/-	4°00'00" RT							161.56							2											333					
7	STA. 78+71	5°01'49" LT					219.00							2													353					2 - 18" S&F HDWL.
	TERR. VIEW LN.																															
7	49+36	13°32'01" RT					62.17													2							101					
	KEMPER DR. LAR																															
7	LT. STA. 51+50				54																											
	L.A.R. "B"																															
15	STA. 49+31+/-	18°17'37" RT							54.00							2											111					
	KY 267 CONN. NO																															
23	STA. 51+31+/-	15°00'00" RT																														10' X 8' R.C.B.C., W/2 R.C.B.C. HDWL.
23	STA. 60+13+/-	10°36'58" RT											62.48						2								129					
	KY 267 CONN. SO																															
13	STA. 49+33+/-	5°23'12" RT							77.42													2					160					
	JIMMY DARRELL WAY																															
27	STA. 46+38									160																	730		1			36" DOUBLE PIPE CULVERT HDWL.
27	STA. 46+92	27°07'45" RT							200																		824	1				30" DOUBLE PIPE CULVERT HDWL.
SHEET TOTALS			235	113	214	284	420.17	486.94	492.98	289.2	177	120.88	62.48	3	3	4	1	1	2	3	2	2	1	3	1	5114	1	1				

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PIPE DRAINAGE SUMMARY
KY 15 RELOCATION

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R002H

STORM SEWER SUMMARY

SHEET NO.	STATION		STORM SEWER PIPE 15 INCH	STORM SEWER PIPE 18 INCH	STORM SEWER PIPE 24 INCH	STORM SEWER PIPE 30 INCH	STORM SEWER PIPE 36 INCH	STORM SEWER PIPE 42 INCH	STORM SEWER PIPE 48 INCH	PIPE CULVERT HEADWALL - 18 INCH	PIPE CULVERT HEADWALL - 30 INCH	PIPE CULVERT HEADWALL - 36 INCH	PIPE CULVERT HEADWALL - 42 INCH	PIPE CULVERT HEADWALL - 48 INCH	SLOPED BOX OUTLET TYPE 1 - 18 INCH	S&F BOX INLET - OUTLET 24 INCH	S&F BOX INLET - OUTLET 30 INCH	CURB BOX INLET TYPE B	DROP BOX INLET TYPE 7	DROP BOX INLET TYPE 11	JUNCTION BOX	MANHOLE TYPE C	FABRIC GEOTEXTILE TYPE IV FOR PIPE				REMARKS
ITEM CODE			521	522	524	526	528	529	530	1204	1210	1212	1214	1216	1433	1451	1452	1480	1538	1544	1650	1767	5600				
UNIT TO BID ON			LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ.YD.				
	MAINLINE																										
105	LT. 142+77.94 TO																										18" S&F HEADWALL
	RT. 142+77.94			106.52						1								3					172				HW1 TO CB2
106	LT. 145+99.32 TO																										
	RT. 146+66.97			149.25														3				1	241				CB5 TO MH2
106	RT. 147+79.50 TO																										
	RT. 146+38.50								137.00					2									434				HW12 TO HW13
107	LT. 166+00.64 TO																										
	RT. 166+82.95							60.23					1									1	178				HW2 TO EX. OUTLET
107	LT. 165+23.96 TO											1															
	LT. 166+30.06						105.04																240				HW16 TO MH4
108	RT. 181+38.69 TO																										
	RT. 181+78.21		72.95															2					110				CB13 TO OUTLET
109	LT. 235+52.54 TO																										
	LT. 236+96.15			124.44											1						1		201				HW3 TO EX. OUTLET
109	LT. 236+56.44 TO																										
	LT. 236+84.01			28.92											1								47				JB1 TO HW4
110	HRP Ramp 'A'																										
	RT. 78+52.68 TO																										
	LT. 79+14.03							129.12					2						1				381				HW5 TO HW6
110	RT. 79+49.47 TO																										
	RT. 79+11.62					65.09											1						134				HW7 TO DB4
111	HRP Ramp 'B'																										
	LT. 80+73.14 TO																										
	RT. 82+16.69				142.66											1		1				1	262				MH1 TO HW8
111	LT. 80+86.07 TO																										
	RT. 80+57.74					155.03					1						1						319				HW9 TO HW10
112	HRP Ramp 'D'																										
	LT. 77+85 TO																										
	MAINLINE																										18" S&F HEADWALL
	148+35.62		110.25	162.61						1								5					428				CB8 TO HW11
113	KY 267 CONN. SO																										
	36+97.40 TO																										18" S&F HEADWALL
	36+90.69			28.03						1													46				HW14 TO JB2
114	48+69.17 TO																										
	45+66.95			355.04																3			573				HW15 TO DB6
SHEET TOTALS			183.2	954.81	142.66	220.12	105.04	189.35	137	3	1	1	3	2	2	1	2	14	1	3	1	3	3766				

DATE
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STORM SEWER SUMMARY SHEET
KY 15 RELOCATION

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10/24/2013

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PAVING AREAS

ITEM	KY 15 RELOCATION	RAMPS	KY 267	APPROACH ROADS	ENTRANCES	TEMPORARY						TOTAL PROJECT
	S	Q	U	A	R	E			Y	A	R	D	S
1.25" CL3 ASPH SURF 0.38A PG76-22	87,622	3,742										91,364
1.25" CL2 ASPH SURF 0.38D PG64-22	27,762	839	7,023	654	4,248	7,940						48,466
3" CL2 ASPH BASE 1.00D PG64-22	55,524	1,679	12,252	672	4,258	7,940						82,325
3.75" CL2 ASPH BASE 1.00 PG 64-22	27,762	839										28,601
3" CL3 ASPH BASE 1.00D PG76-22	87,888	3,765										91,653
3" CL3 ASPH BASE 1.00D PG64-22	181,412	7,832										189,244
3.75" CL3 ASPH BASE 1.00D PG64-22	88,526	3,820										92,346
CEM CON ENT PAVEMENT - 8 INCH					1,024							1,024
4" CSB	91,379	3,943	5,167		3,139							103,629
6" CSB					2,289							2,289
8" CSB				713		7,940						8,653
11.25" (Full Depth) CSB			4,072									4,072
18" (Full Depth) CSB	32,272	1,398										33,670
5" TRAFFIC BOUND BASE					114							114
12" CHANNEL LINING CLASS IV					5,428							5,428
24" CHANNEL LINING CLASS IV	158,201	7,448	14,380	713								180,742
ASPHALT SEAL COAT	10,208	954	2,423									13,584
ASPHALT SEAL AGGREGATE	10,208	954	2,423									13,584

NOTES

ALL ASHALT 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. QTY. INCLUDES STONE FOR TEMPORARY ENTRANACES.

② 3000 TONS TRAFFIC BOUND BASE INCLUDED TO BE USED AT THE DISCRETION OF THE ENGINEER FOR MAINTENANCE OF TRAFFIC.

③ INCLUDES QUANTITY FOR ISLANDS ON H.R.P. RAMP "B" AND H.R.P. RAMP "C"

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	KY 15 RELOCATION	RAMPS	KY 267	APPROACH ROADS	ENTRANCES	TEMPORARY		TOTAL PROJECT
336	CL3 ASPH SURF 0.38A PG76-22	TON	6,024	257						6,281
301	CL2 ASPH SURF 0.38D PG64-22	TON	1,909	58	483	45	292	550		3,336
216	CL3 ASPH BASE 1.00D PG76-22	TON	14,501	621						15,123
214	CL3 ASPH BASE 1.00D PG64-22	TON	48,191	2,080				1,243		51,514
212	CL2 ASPH BASE 1.00D PG64-22	TON	14,887	450	2,022	111	703			18,173
3	CRUSHED STONE BASE ①	TON	54,418	2,354	3,822	328	1,512	3,461		65,896
20	TRAFFIC BOUND BASE ②	TON					296			3,296
2488	CHANNEL LINING CLASS IV	CU YD	105,467	4,965	9,587	476	1,809			22,304
2101	CEM CON ENT PAVEMENT - 8 INCH	SQ YD					1,024			1,024
103	ASPHALT SEAL COAT ③	TON	12	2	3					17
100	ASPHALT SEAL AGGREGATE ③	TON	102	20	24					146

PAVING AREAS & SUMMARY
KY 15 RELOCATION

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R0021

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R002J

PERFORATED PIPE DRAINAGE SUMMARY

MILEPOST OR STATIONS	PERFORATED PIPE - 4 IN	NON-PERFORATED PIPE - 4 IN	PERFORATED PIPE HEADWALL TYPE 1 - 4 IN	PERFORATED PIPE HEADWALL TYPE 2 - 4 IN	PERFORATED PIPE HEADWALL TYPE 3 - 4 IN	PERFORATED PIPE HEADWALL TYPE 4 - 4 IN	CRUSHED AGGREGATE SIZE NO. 2
ITEM CODE	1000	1010	1020	1024	1028	1032	78
UNIT TO BID ON	LIN FT		EACH				TON
KY 15							
159+25.51	113	83				1	1
165+24.83	138	21				1	1
166+91.12	117	19	1				1
170+94.56	15	22	1				1
179+48.31	377	38	1				1
181+12.95	110	10		1			1
184+90	92	11					
185+14.77	138	15	1				1
189+85.09	195	13			1		1
195+92.39	98	18	1				1
196+38.97	96	40					
RAMP A							
79+32.13	65	16	1				1
KEMPER							
50+96.98	28	25		1			1
RAMP D							
78+41.86	51	12	1				1
KY 267 N							
50+63.68	97	23	1				1
51+94.40	63	30	1				1
60+19.62	30	31	1				1
KY 267 S							
41+09.91	287	9			1		1
TOTALS:	2110	436	10	2	2	2	16

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UNDERDRAIN SUMMARY
KY 15 RELOCATION

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R036

PHASE 1 REMOVING CONCRETE MEDIAN

RT. STA. 133+98 TO STA. 138+42, REMOVE 219 SQ. YD.

PHASE 1 REMOVING TRAFFIC ISLAND

RT. STA. 137+28 TO STA. 138+56, REMOVE 588 SQ. YD.

PHASE 1 REMOVING CONCRETE BARRIER

H.R.P. RAMP "C" RT. STA. 72+23 TO STA. 77+59, REMOVE 536 L.F.

PHASE 1 REMOVING CONCRETE MEDIAN

RT. STA. 139+05 TO STA. 146+71, REMOVE 1016 SQ. YD.

PHASE 1 REMOVING CONCRETE MEDIAN

RT. STA. 147+73 TO STA. 156+28, REMOVE 1032 SQ. YD.

PHASE 1 REMOVING CONCRETE MEDIAN

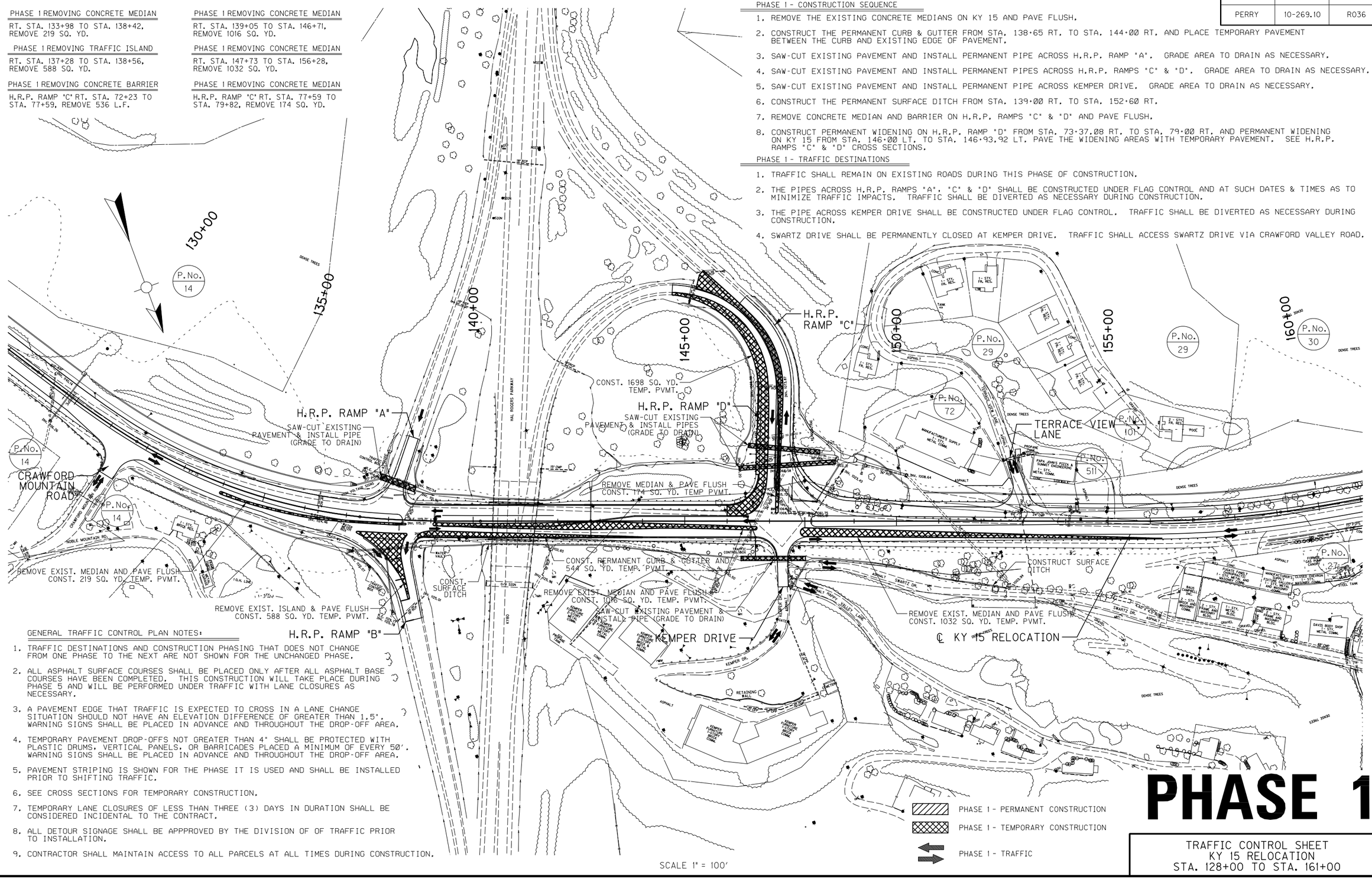
H.R.P. RAMP "C" RT. STA. 77+59 TO STA. 79+82, REMOVE 174 SQ. YD.

PHASE 1 - CONSTRUCTION SEQUENCE

1. REMOVE THE EXISTING CONCRETE MEDIANS ON KY 15 AND PAVE FLUSH.
2. CONSTRUCT THE PERMANENT CURB & GUTTER FROM STA. 138+65 RT. TO STA. 144+00 RT. AND PLACE TEMPORARY PAVEMENT BETWEEN THE CURB AND EXISTING EDGE OF PAVEMENT.
3. SAW-CUT EXISTING PAVEMENT AND INSTALL PERMANENT PIPE ACROSS H.R.P. RAMP "A". GRADE AREA TO DRAIN AS NECESSARY.
4. SAW-CUT EXISTING PAVEMENT AND INSTALL PERMANENT PIPES ACROSS H.R.P. RAMPS "C" & "D". GRADE AREA TO DRAIN AS NECESSARY.
5. SAW-CUT EXISTING PAVEMENT AND INSTALL PERMANENT PIPE ACROSS KEMPER DRIVE. GRADE AREA TO DRAIN AS NECESSARY.
6. CONSTRUCT THE PERMANENT SURFACE DITCH FROM STA. 139+00 RT. TO STA. 152+60 RT.
7. REMOVE CONCRETE MEDIAN AND BARRIER ON H.R.P. RAMPS "C" & "D" AND PAVE FLUSH.
8. CONSTRUCT PERMANENT WIDENING ON H.R.P. RAMP "D" FROM STA. 73+37.08 RT. TO STA. 79+00 RT. AND PERMANENT WIDENING ON KY 15 FROM STA. 146+00 LT. TO STA. 146+93.92 LT. PAVE THE WIDENING AREAS WITH TEMPORARY PAVEMENT. SEE H.R.P. RAMPS "C" & "D" CROSS SECTIONS.

PHASE 1 - TRAFFIC DESTINATIONS

1. TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.
2. THE PIPES ACROSS H.R.P. RAMPS "A", "C" & "D" SHALL BE CONSTRUCTED UNDER FLAG CONTROL AND AT SUCH DATES & TIMES AS TO MINIMIZE TRAFFIC IMPACTS. TRAFFIC SHALL BE DIVERTED AS NECESSARY DURING CONSTRUCTION.
3. THE PIPE ACROSS KEMPER DRIVE SHALL BE CONSTRUCTED UNDER FLAG CONTROL. TRAFFIC SHALL BE DIVERTED AS NECESSARY DURING CONSTRUCTION.
4. SWARTZ DRIVE SHALL BE PERMANENTLY CLOSED AT KEMPER DRIVE. TRAFFIC SHALL ACCESS SWARTZ DRIVE VIA CRAWFORD VALLEY ROAD.



GENERAL TRAFFIC CONTROL PLAN NOTES:

1. TRAFFIC DESTINATIONS AND CONSTRUCTION PHASING THAT DOES NOT CHANGE FROM ONE PHASE TO THE NEXT ARE NOT SHOWN FOR THE UNCHANGED PHASE.
2. ALL ASPHALT SURFACE COURSES SHALL BE PLACED ONLY AFTER ALL ASPHALT BASE COURSES HAVE BEEN COMPLETED. THIS CONSTRUCTION WILL TAKE PLACE DURING PHASE 5 AND WILL BE PERFORMED UNDER TRAFFIC WITH LANE CLOSURES AS NECESSARY.
3. A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHOULD NOT HAVE AN ELEVATION DIFFERENCE OF GREATER THAN 1.5". WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
4. TEMPORARY PAVEMENT DROP-OFFS NOT GREATER THAN 4" SHALL BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES PLACED A MINIMUM OF EVERY 50'. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
5. PAVEMENT STRIPING IS SHOWN FOR THE PHASE IT IS USED AND SHALL BE INSTALLED PRIOR TO SHIFTING TRAFFIC.
6. SEE CROSS SECTIONS FOR TEMPORARY CONSTRUCTION.
7. TEMPORARY LANE CLOSURES OF LESS THAN THREE (3) DAYS IN DURATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
8. ALL DETOUR SIGNAGE SHALL BE APPPROVED BY THE DIVISION OF OF TRAFFIC PRIOR TO INSTALLATION.
9. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PARCELS AT ALL TIMES DURING CONSTRUCTION.

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

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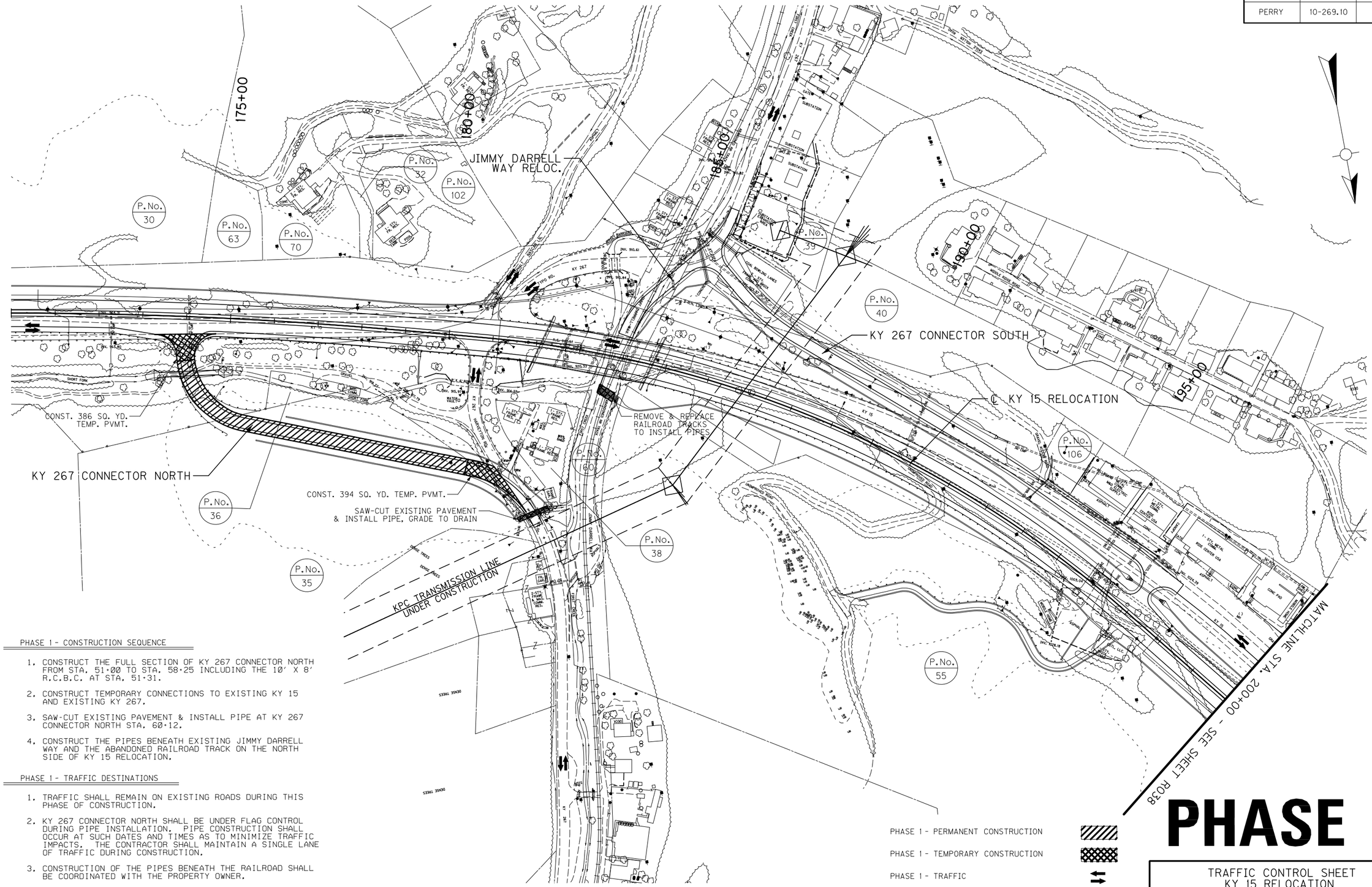
SCALE 1" = 100'

PHASE 1

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 128+00 TO STA. 161+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R037



PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE FULL SECTION OF KY 267 CONNECTOR NORTH FROM STA. 51+00 TO STA. 58+25 INCLUDING THE 10' X 8' R.C.B.C. AT STA. 51+31.
2. CONSTRUCT TEMPORARY CONNECTIONS TO EXISTING KY 15 AND EXISTING KY 267.
3. SAW-CUT EXISTING PAVEMENT & INSTALL PIPE AT KY 267 CONNECTOR NORTH STA. 60+12.
4. CONSTRUCT THE PIPES BENEATH EXISTING JIMMY DARRELL WAY AND THE ABANDONED RAILROAD TRACK ON THE NORTH SIDE OF KY 15 RELOCATION.

PHASE 1 - TRAFFIC DESTINATIONS

1. TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.
2. KY 267 CONNECTOR NORTH SHALL BE UNDER FLAG CONTROL DURING PIPE INSTALLATION. PIPE CONSTRUCTION SHALL OCCUR AT SUCH DATES AND TIMES AS TO MINIMIZE TRAFFIC IMPACTS. THE CONTRACTOR SHALL MAINTAIN A SINGLE LANE OF TRAFFIC DURING CONSTRUCTION.
3. CONSTRUCTION OF THE PIPES BENEATH THE RAILROAD SHALL BE COORDINATED WITH THE PROPERTY OWNER.

PHASE 1 - PERMANENT CONSTRUCTION

PHASE 1 - TEMPORARY CONSTRUCTION

PHASE 1 - TRAFFIC

SCALE 1" = 100'

PHASE 1

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 170+00 TO STA. 200+00

PREPARED BY DATE
CHECKED BY DATE
APPROVED BY DATE

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COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R038

PHASE I TEMPORARY ENTRANCE

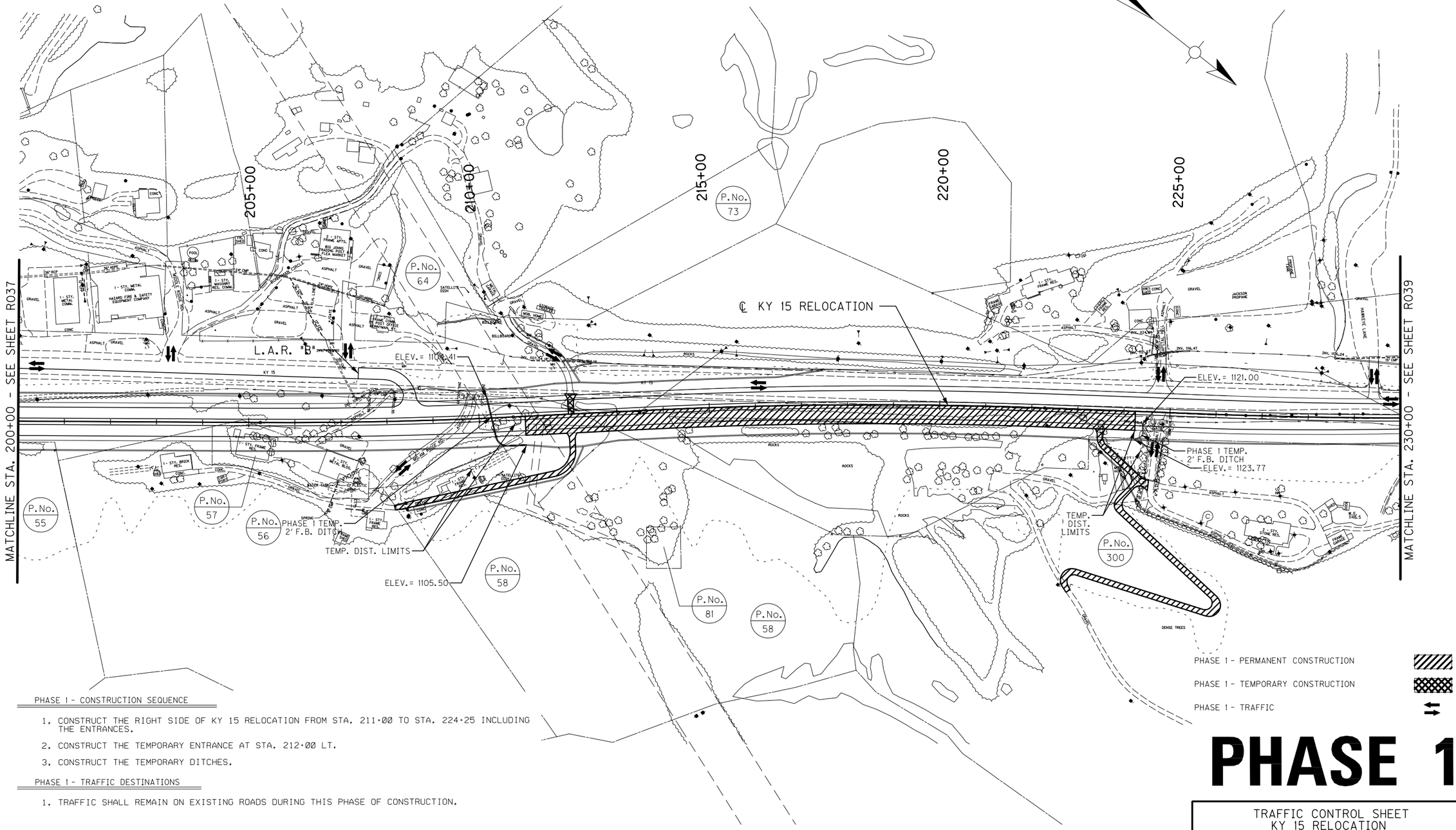
KY 15 RELOCATION STA. 212+00 LT. CONST. 12' TEMP. ENTRANCE W/38' - 15" ENTR. PIPE W/NO HDWLS, 5 TONS AS, 12 TONS AB, & 24 TONS CSB (68 SQ. YD.)

PHASE I TEMPORARY DITCH

KY 15 RELOCATION STA. 210+18.72 LT. TO STA. 211+00 RT CONST. TEMPORARY 2' F.B. DT. @ 0.70% W/108 SQ. YD. EROSION CONTROL BLANKET - DEPTH TO PROTECT = 1.0'

PHASE I TEMPORARY DITCH

KY 15 RELOCATION STA. 224+25 RT. TO STA. 224+41.78 RT. CONST. TEMPORARY 2' F.B. DT. @ 6.30% W/30 SQ. YD. EROSION CONTROL BLANKET - DEPTH TO PROTECT = 1.0'



PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 211+00 TO STA. 224+25 INCLUDING THE ENTRANCES.
2. CONSTRUCT THE TEMPORARY ENTRANCE AT STA. 212+00 LT.
3. CONSTRUCT THE TEMPORARY DITCHES.

PHASE 1 - TRAFFIC DESTINATIONS

1. TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

SCALE 1" = 100'

PHASE 1

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 200+00 TO STA. 230+00

PREPARED BY ____ DATE ____
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DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R039

PHASE 1 TEMPORARY ENTRANCE

KY 15 RELOCATION STA. 232+50 RT., CONST. TEMP. 12' ENTRANCE W/ 25' - 15' ENTRANCE PIPE W/NO HDWLS, 7 TONS AS, 16 TONS AB, 31 TONS CSB (92 SQ. YDS.)

PHASE 1 TEMPORARY PIPE

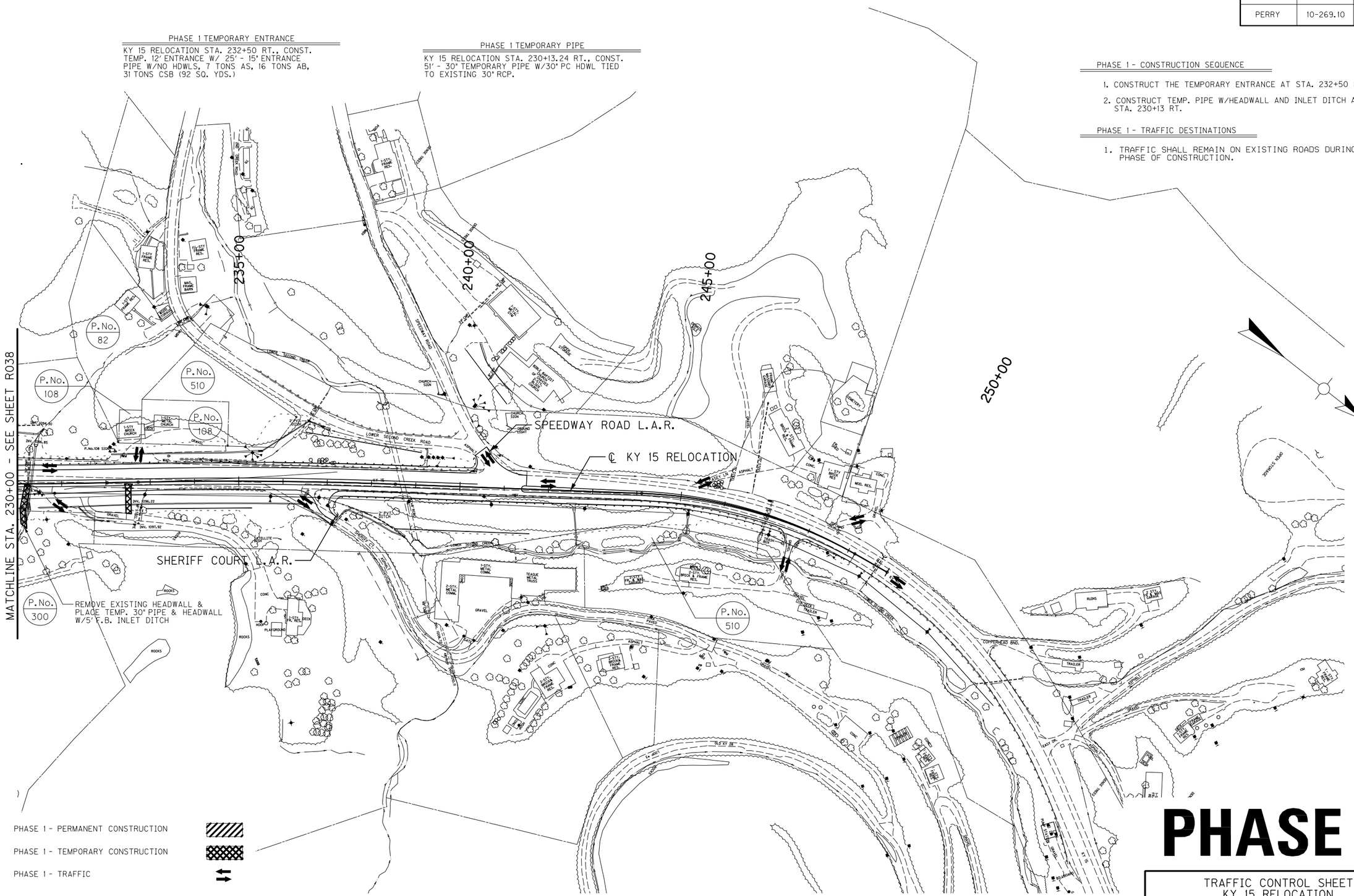
KY 15 RELOCATION STA. 230+13.24 RT., CONST. 51' - 30" TEMPORARY PIPE W/30" PC HDWL TIED TO EXISTING 30" RCP.

PHASE 1 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE TEMPORARY ENTRANCE AT STA. 232+50 RIGHT.
2. CONSTRUCT TEMP. PIPE W/HEADWALL AND INLET DITCH AT STA. 230+13 RT.

PHASE 1 - TRAFFIC DESTINATIONS

1. TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.



SCALE 1" = 100'

PHASE 1

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 230+00 TO STA. END

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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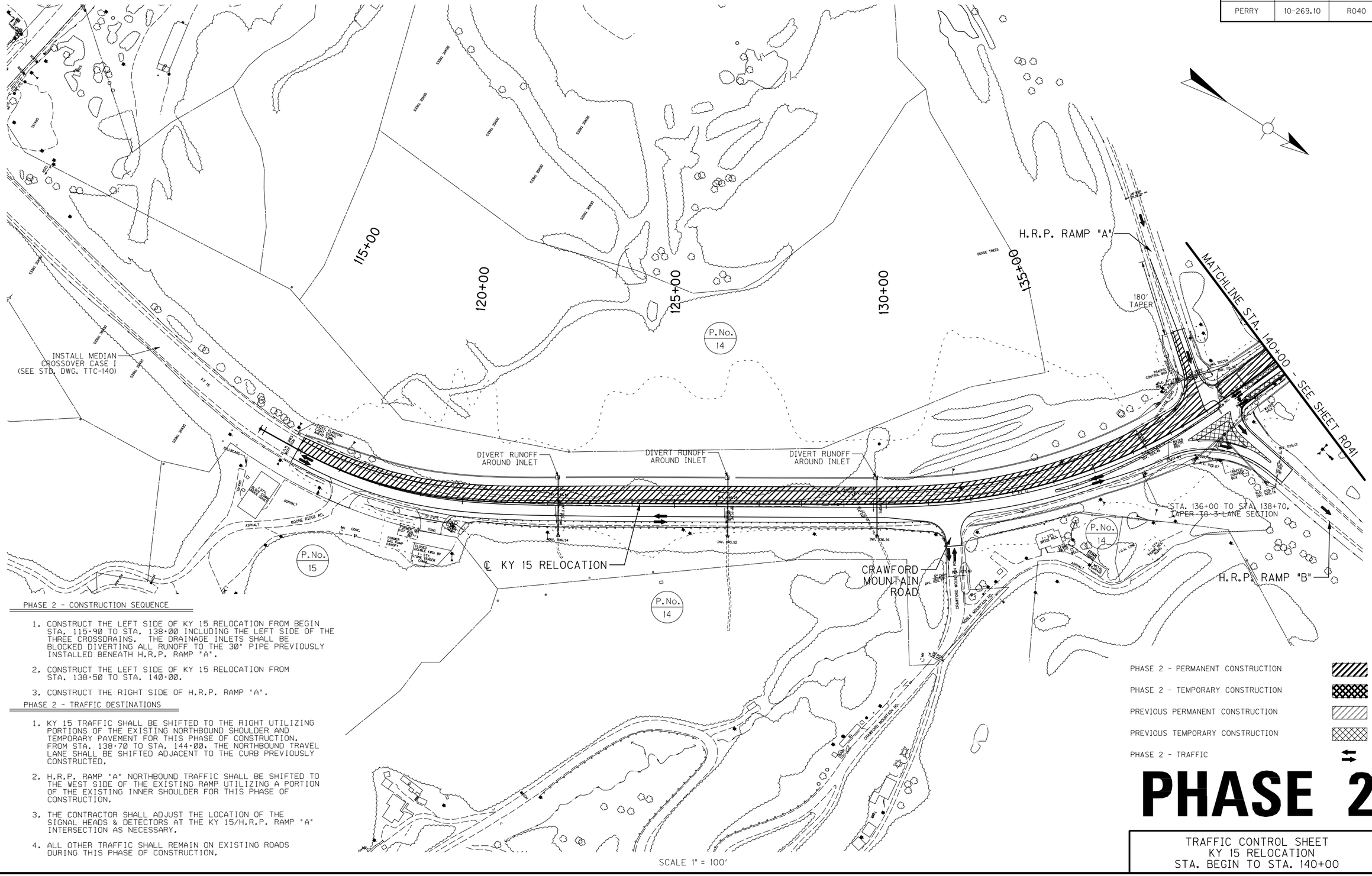
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R040



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PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM BEGIN STA. 115+90 TO STA. 138+00 INCLUDING THE LEFT SIDE OF THE THREE CROSSDRAINS. THE DRAINAGE INLETS SHALL BE BLOCKED DIVERTING ALL RUNOFF TO THE 30" PIPE PREVIOUSLY INSTALLED BENEATH H.R.P. RAMP "A".
2. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 138+50 TO STA. 140+00.
3. CONSTRUCT THE RIGHT SIDE OF H.R.P. RAMP "A".

PHASE 2 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE RIGHT UTILIZING PORTIONS OF THE EXISTING NORTHBOUND SHOULDER AND TEMPORARY PAVEMENT FOR THIS PHASE OF CONSTRUCTION. FROM STA. 138+70 TO STA. 144+00, THE NORTHBOUND TRAVEL LANE SHALL BE SHIFTED ADJACENT TO THE CURB PREVIOUSLY CONSTRUCTED.
2. H.R.P. RAMP "A" NORTHBOUND TRAFFIC SHALL BE SHIFTED TO THE WEST SIDE OF THE EXISTING RAMP UTILIZING A PORTION OF THE EXISTING INNER SHOULDER FOR THIS PHASE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE SIGNAL HEADS & DETECTORS AT THE KY 15/H.R.P. RAMP "A" INTERSECTION AS NECESSARY.
4. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

PHASE 2 - PERMANENT CONSTRUCTION
PHASE 2 - TEMPORARY CONSTRUCTION
PREVIOUS PERMANENT CONSTRUCTION
PREVIOUS TEMPORARY CONSTRUCTION
PHASE 2 - TRAFFIC

PHASE 2

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. BEGIN TO STA. 140+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R041

PHASE 2 TEMPORARY CONCRETE MEDIAN BARRIER TY 9T

H.R.P. RAMP "D" STA. 73+90 LT. TO STA. 79+50, INSTALL 586 L.F.

PHASE 2 TEMPORARY ENTRANCE

STA. 157+00 RT. CONST. 24' TEMPORARY ENTRANCE
W/4 TONS AS, 8 TONS AB, 16 TONS CSB (48 SQ. YD.)

Temp. Ramp Curve #1
Delta = 47°52'30"
LC = 304.30
T = 166.47'
L = 313.34'
R = 375.00'
E = 35.29

PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 140+00 TO STA. 146+00.
2. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 147+20 TO STA. 170+00 INCLUDING ENTRANCES.
3. CONSTRUCT H.R.P. RAMP "D".
4. CONSTRUCT THE FULL SECTION TERRACE VIEW LANE.
5. CONSTRUCT 24' TEMPORARY ENTRANCE AT STA. 157+00.

PHASE 2 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE RIGHT SIDE OF EXISTING KY 15 UTILIZING PORTIONS OF THE EXISTING NORTHBOUND SHOULDER AND TEMPORARY PAVEMENT FOR THIS PHASE OF CONSTRUCTION. FROM STA. 138+70 TO STA. 144+00, THE NORTHBOUND TRAVEL LANE SHALL BE SHIFTED ADJACENT TO THE CURB PREVIOUSLY CONSTRUCTED.
2. H.R.P. RAMPS "C" & "D" TRAFFIC SHALL BE SHIFTED TO THE EAST TO THE TEMPORARY ALIGNMENT AS SHOWN FOR THIS PHASE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE SIGNAL HEADS & DETECTORS AT THE KY 15/H.R.P. RAMPS "C" & "D" INTERSECTION AS NECESSARY.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO TERRACE VIEW LANE AT ALL TIMES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO PARCELS NO. 30 & 31 AT ALL TIMES DURING CONSTRUCTION.
6. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

MATCHLINE STA. 140+00 - SEE SHEET R040

MATCHLINE STA. 170+00 - SEE SHEET R042

℄ TEMPORARY RAMP H.R.P. RAMP "C"

H.R.P. RAMP "D"

℄ KY 15 RELOCATION

TERRACE VIEW LANE

KEMPER DRIVE

CRAWFORD VALLEY ROAD

TAPER BARRIER FLUSH TO PAVEMENT +50.00 00.00

STA. 146+70 TO STA. 149+40, TAPER TO 2-LANE SECTION

+66.05 77.06

+90.00 58.61

+74.09 37.27

145+00

150+00

155+00

160+00

165+00

P.No. 29

P.No. 72

P.No. 51

P.No. 101

P.No. 27

P.No. 31

P.No. 30

PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS PERMANENT CONSTRUCTION

PREVIOUS TEMPORARY CONSTRUCTION

PHASE 2 - TRAFFIC

SCALE 1" = 100'

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PHASE 2

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 140+00 TO STA. 170+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R042

PHASE 2 TEMPORARY WIDENING

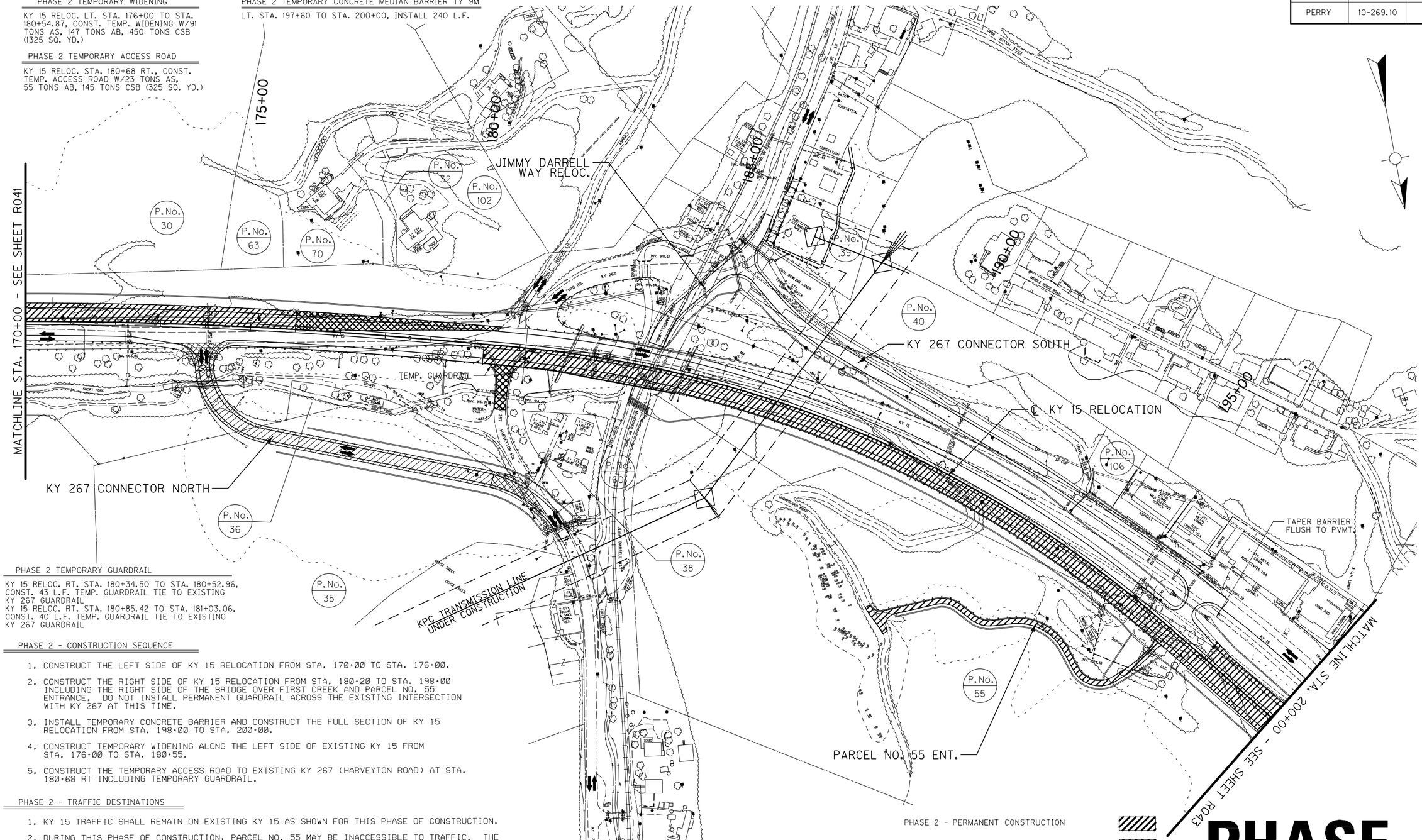
KY 15 RELOC. LT. STA. 176+00 TO STA. 180+54.87, CONST. TEMP. WIDENING W/91 TONS AS, 147 TONS AB, 450 TONS CSB (1325 SQ. YD.)

PHASE 2 TEMPORARY ACCESS ROAD

KY 15 RELOC. STA. 180+68 RT., CONST. TEMP. ACCESS ROAD W/23 TONS AS, 55 TONS AB, 145 TONS CSB (325 SQ. YD.)

PHASE 2 TEMPORARY CONCRETE MEDIAN BARRIER TY 9M

LT. STA. 197+60 TO STA. 200+00, INSTALL 240 L.F.



PHASE 2 TEMPORARY GUARDRAIL

KY 15 RELOC. RT. STA. 180+34.50 TO STA. 180+52.96, CONST. 43 L.F. TEMP. GUARDRAIL TIE TO EXISTING KY 267 GUARDRAIL
KY 15 RELOC. RT. STA. 180+85.42 TO STA. 181+03.06, CONST. 40 L.F. TEMP. GUARDRAIL TIE TO EXISTING KY 267 GUARDRAIL

PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 170+00 TO STA. 176+00.
2. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 180+20 TO STA. 198+00 INCLUDING THE RIGHT SIDE OF THE BRIDGE OVER FIRST CREEK AND PARCEL NO. 55 ENTRANCE. DO NOT INSTALL PERMANENT GUARDRAIL ACROSS THE EXISTING INTERSECTION WITH KY 267 AT THIS TIME.
3. INSTALL TEMPORARY CONCRETE BARRIER AND CONSTRUCT THE FULL SECTION OF KY 15 RELOCATION FROM STA. 198+00 TO STA. 200+00.
4. CONSTRUCT TEMPORARY WIDENING ALONG THE LEFT SIDE OF EXISTING KY 15 FROM STA. 176+00 TO STA. 180+55.
5. CONSTRUCT THE TEMPORARY ACCESS ROAD TO EXISTING KY 267 (HARVEYTON ROAD) AT STA. 180+68 RT INCLUDING TEMPORARY GUARDRAIL.

PHASE 2 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL REMAIN ON EXISTING KY 15 AS SHOWN FOR THIS PHASE OF CONSTRUCTION.
2. DURING THIS PHASE OF CONSTRUCTION, PARCEL NO. 55 MAY BE INACCESSIBLE TO TRAFFIC. THE CONTRACTOR SHALL PROVIDE PARKING AND ALLOW PEDESTRIAN ACCESS IF REQUESTED.
3. KY 267 (HARVEYTON ROAD) SHALL BE CLOSED AT THE OLD INTERSECTION WITH KY 15. TRAFFIC SHALL ACCESS KY 267 VIA THE NEW CONNECTOR AND ASSOCIATED TEMPORARY PAVEMENT.
4. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

SCALE 1" = 100'

PHASE 2 - PERMANENT CONSTRUCTION
PHASE 2 - TEMPORARY CONSTRUCTION
PREVIOUS PERMANENT CONSTRUCTION
PREVIOUS TEMPORARY CONSTRUCTION
PHASE 2 - TRAFFIC

PHASE 2

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 170+00 TO STA. 200+00

PREPARED BY ____ DATE ____
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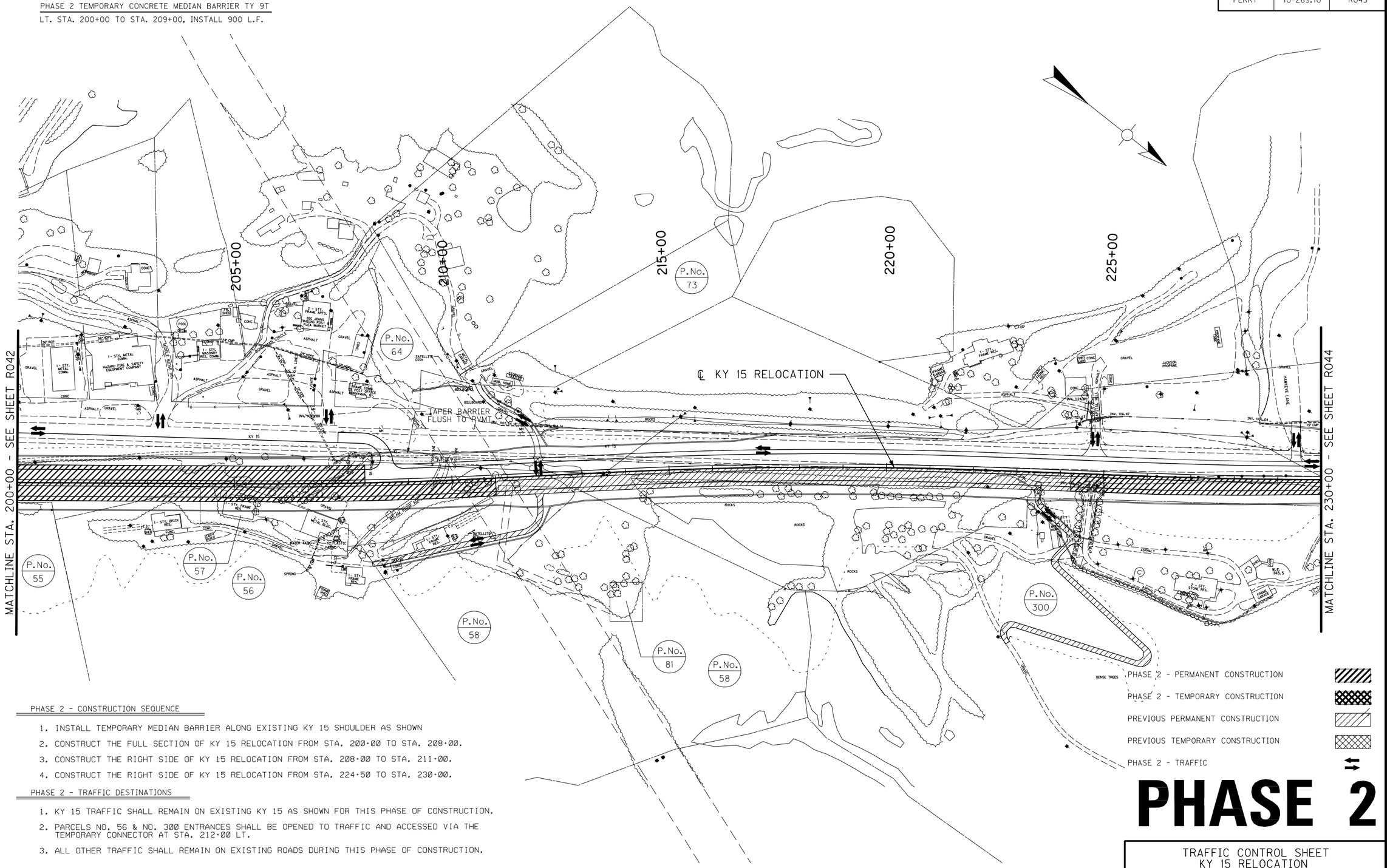
PHASE 2 TEMPORARY CONCRETE MEDIAN BARRIER TY 9T
LT. STA. 200+00 TO STA. 209+00, INSTALL 900 L.F.



PHASE 2 - CONSTRUCTION SEQUENCE

1. INSTALL TEMPORARY MEDIAN BARRIER ALONG EXISTING KY 15 SHOULDER AS SHOWN
2. CONSTRUCT THE FULL SECTION OF KY 15 RELOCATION FROM STA. 200+00 TO STA. 208+00.
3. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 208+00 TO STA. 211+00.
4. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 224+50 TO STA. 230+00.

PHASE 2 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL REMAIN ON EXISTING KY 15 AS SHOWN FOR THIS PHASE OF CONSTRUCTION.
2. PARCELS NO. 56 & NO. 300 ENTRANCES SHALL BE OPENED TO TRAFFIC AND ACCESSED VIA THE TEMPORARY CONNECTOR AT STA. 212+00 LT.
3. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

PHASE 2 - PERMANENT CONSTRUCTION
PHASE 2 - TEMPORARY CONSTRUCTION
PREVIOUS PERMANENT CONSTRUCTION
PREVIOUS TEMPORARY CONSTRUCTION
PHASE 2 - TRAFFIC

PHASE 2

SCALE 1" = 100'

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 200+00 TO STA. 230+00

PREPARED BY ____ DATE ____
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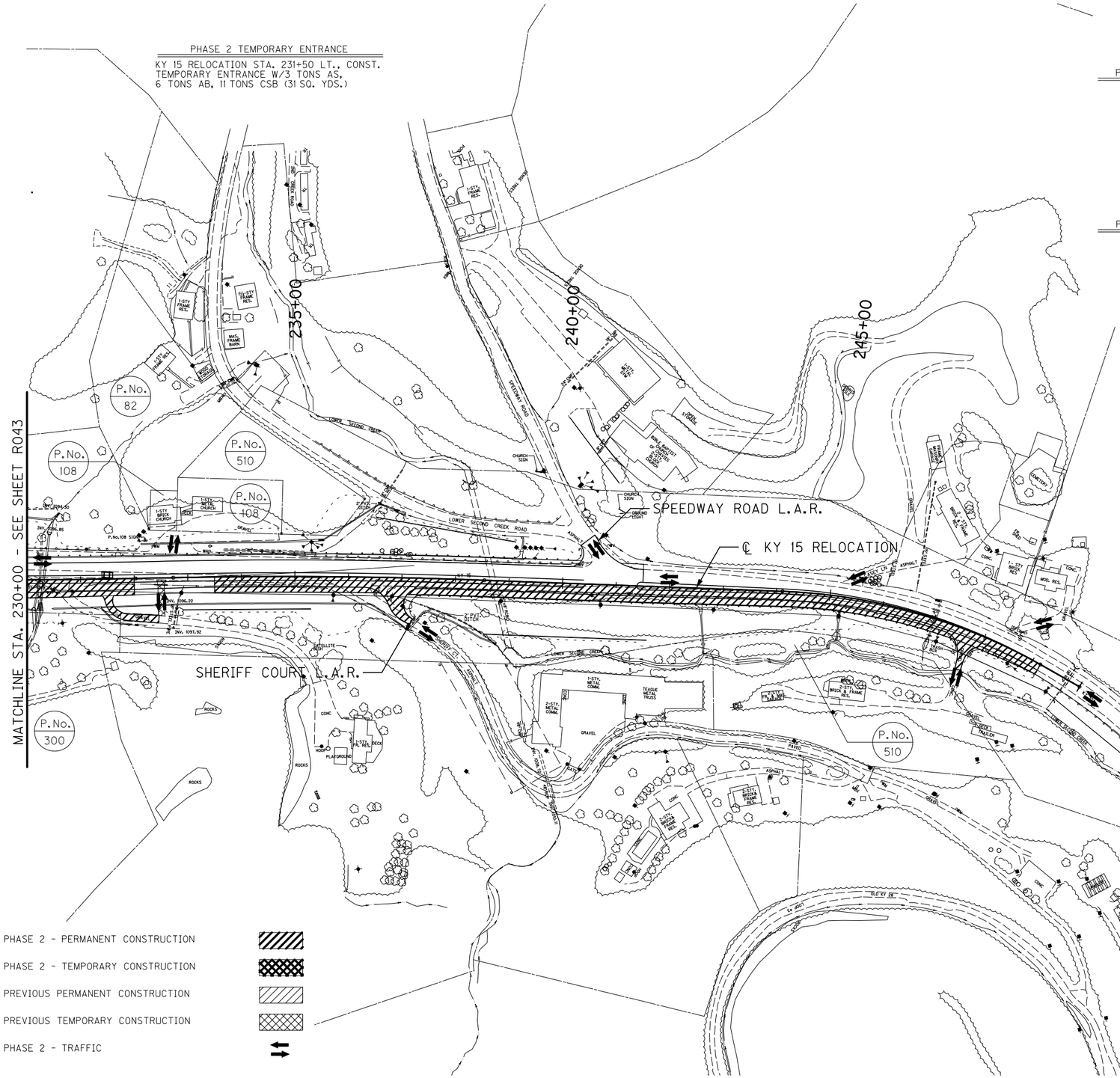
PERRY	10-269.10	R044

PHASE 2 TEMPORARY ENTRANCE

KY 15 RELOCATION STA. 231+50 LT., CONST. TEMPORARY ENTRANCE W/3 TONS AS, 6 TONS AB, 11 TONS CSB (31 SQ. YDS.)



PHASE 2 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 230+00 TO STA. 232+00 INCLUDING THE RESIDENTIAL ENTRANCE.
2. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 233+50 TO END STA. 249+16.10 INCLUDING THE RESIDENTIAL ENTRANCE.
3. CONSTRUCT APPROXIMATELY 64' OF THE CROSSDRAIN PIPE AT STA. 230+23.
3. CONSTRUCT THE FULL SECTION OF SHERIFF COURT.
4. CONSTRUCT TEMPORARY ENTRANCE AT STA. 231+50.

PHASE 2 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE LEFT UTILIZING PORTIONS OF THE EXISTING SOUTHBOUND SHOULDER FOR THIS PHASE OF CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN A SINGLE LANE OF TRAFFIC ON SHERIFF COURT DURING CONSTRUCTION.
3. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

PHASE 2 - PERMANENT CONSTRUCTION

PHASE 2 - TEMPORARY CONSTRUCTION

PREVIOUS PERMANENT CONSTRUCTION

PREVIOUS TEMPORARY CONSTRUCTION

PHASE 2 - TRAFFIC

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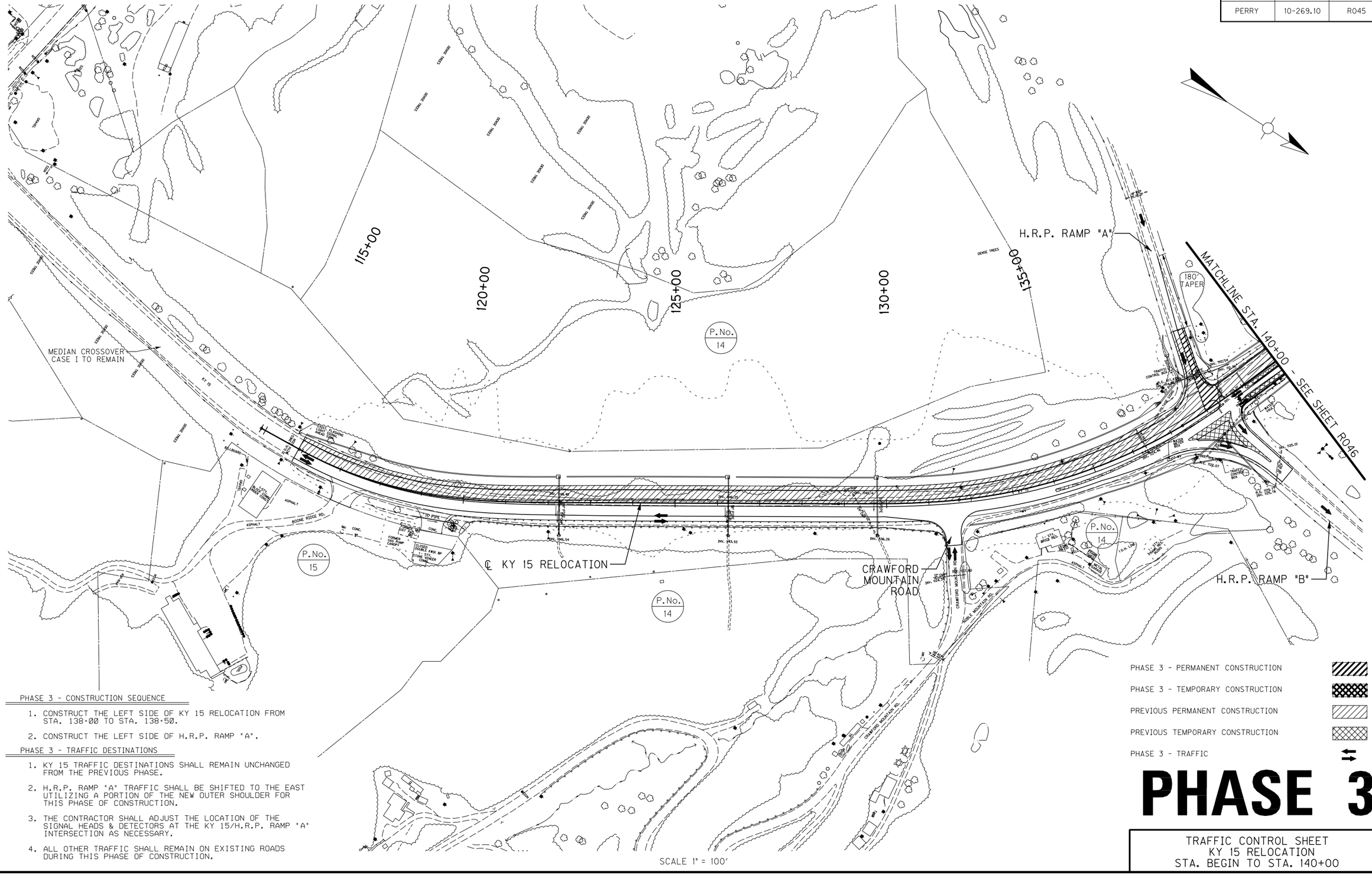
SCALE 1" = 100'

PHASE 2

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 230+00 TO STA. END

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R045



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PHASE 3 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 138+00 TO STA. 138+50.
2. CONSTRUCT THE LEFT SIDE OF H.R.P. RAMP "A".

PHASE 3 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC DESTINATIONS SHALL REMAIN UNCHANGED FROM THE PREVIOUS PHASE.
2. H.R.P. RAMP "A" TRAFFIC SHALL BE SHIFTED TO THE EAST UTILIZING A PORTION OF THE NEW OUTER SHOULDER FOR THIS PHASE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE SIGNAL HEADS & DETECTORS AT THE KY 15/H.R.P. RAMP "A" INTERSECTION AS NECESSARY.
4. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

PHASE 3 - PERMANENT CONSTRUCTION
PHASE 3 - TEMPORARY CONSTRUCTION
PREVIOUS PERMANENT CONSTRUCTION
PREVIOUS TEMPORARY CONSTRUCTION
PHASE 3 - TRAFFIC

PHASE 3

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. BEGIN TO STA. 140+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R046

PHASE 3 RELOCATE TEMPORARY MEDIAN BARRIER

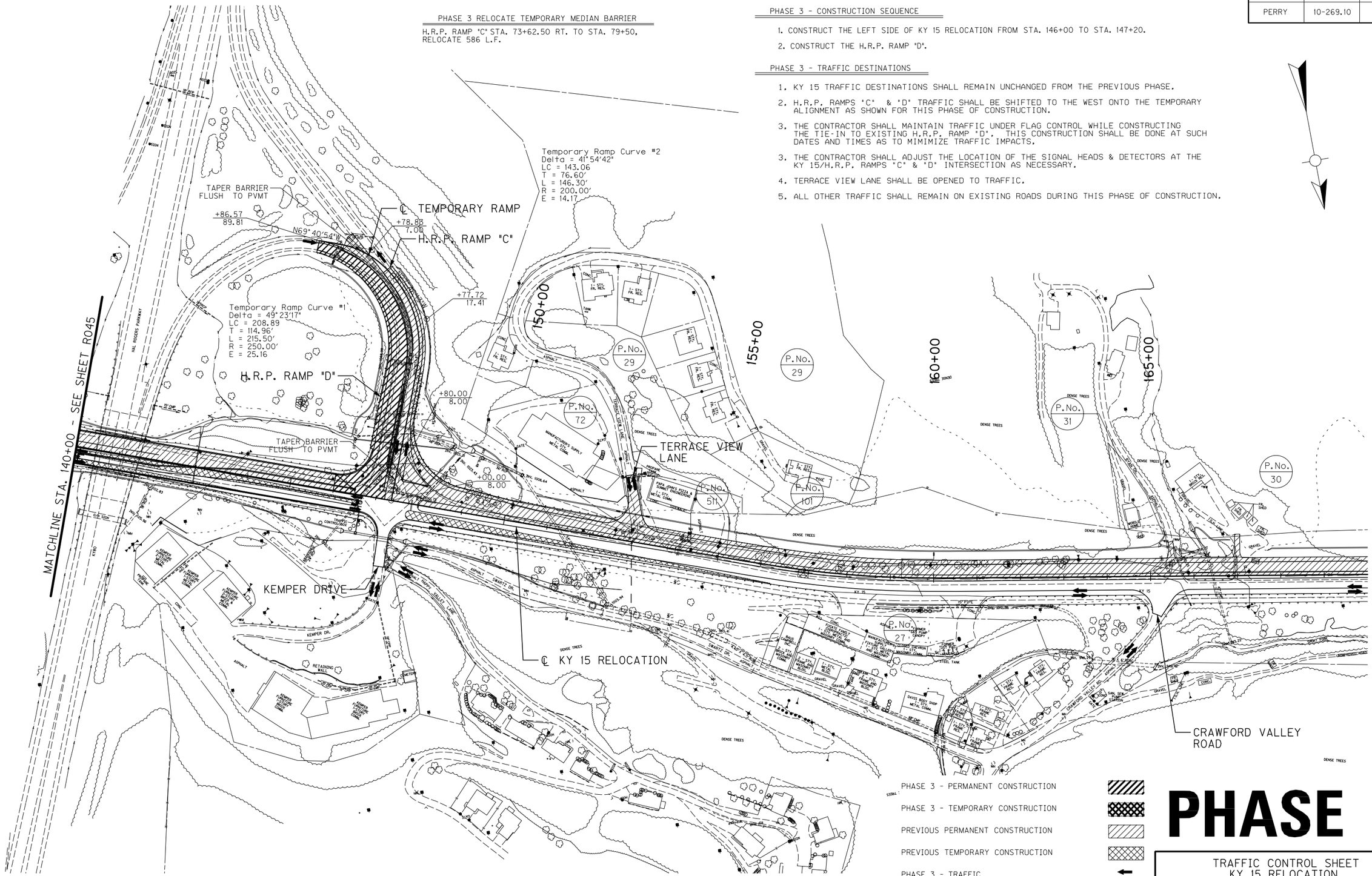
H.R.P. RAMP "C" STA. 73+62.50 RT. TO STA. 79+50, RELOCATE 586 L.F.

PHASE 3 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 146+00 TO STA. 147+20.
2. CONSTRUCT THE H.R.P. RAMP "D".

PHASE 3 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC DESTINATIONS SHALL REMAIN UNCHANGED FROM THE PREVIOUS PHASE.
2. H.R.P. RAMPS "C" & "D" TRAFFIC SHALL BE SHIFTED TO THE WEST ONTO THE TEMPORARY ALIGNMENT AS SHOWN FOR THIS PHASE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC UNDER FLAG CONTROL WHILE CONSTRUCTING THE TIE-IN TO EXISTING H.R.P. RAMP "D". THIS CONSTRUCTION SHALL BE DONE AT SUCH DATES AND TIMES AS TO MIMIMIZE TRAFFIC IMPACTS.
3. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE SIGNAL HEADS & DETECTORS AT THE KY 15/H.R.P. RAMPS "C" & "D" INTERSECTION AS NECESSARY.
4. TERRACE VIEW LANE SHALL BE OPENED TO TRAFFIC.
5. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.



SCALE 1" = 100'

PHASE 3 - PERMANENT CONSTRUCTION

PHASE 3 - TEMPORARY CONSTRUCTION

PREVIOUS PERMANENT CONSTRUCTION

PREVIOUS TEMPORARY CONSTRUCTION

PHASE 3 - TRAFFIC

PHASE 3

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 140+00 TO STA. 170+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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Cell Name: SD
DD-MMM-YYYY HH:MM

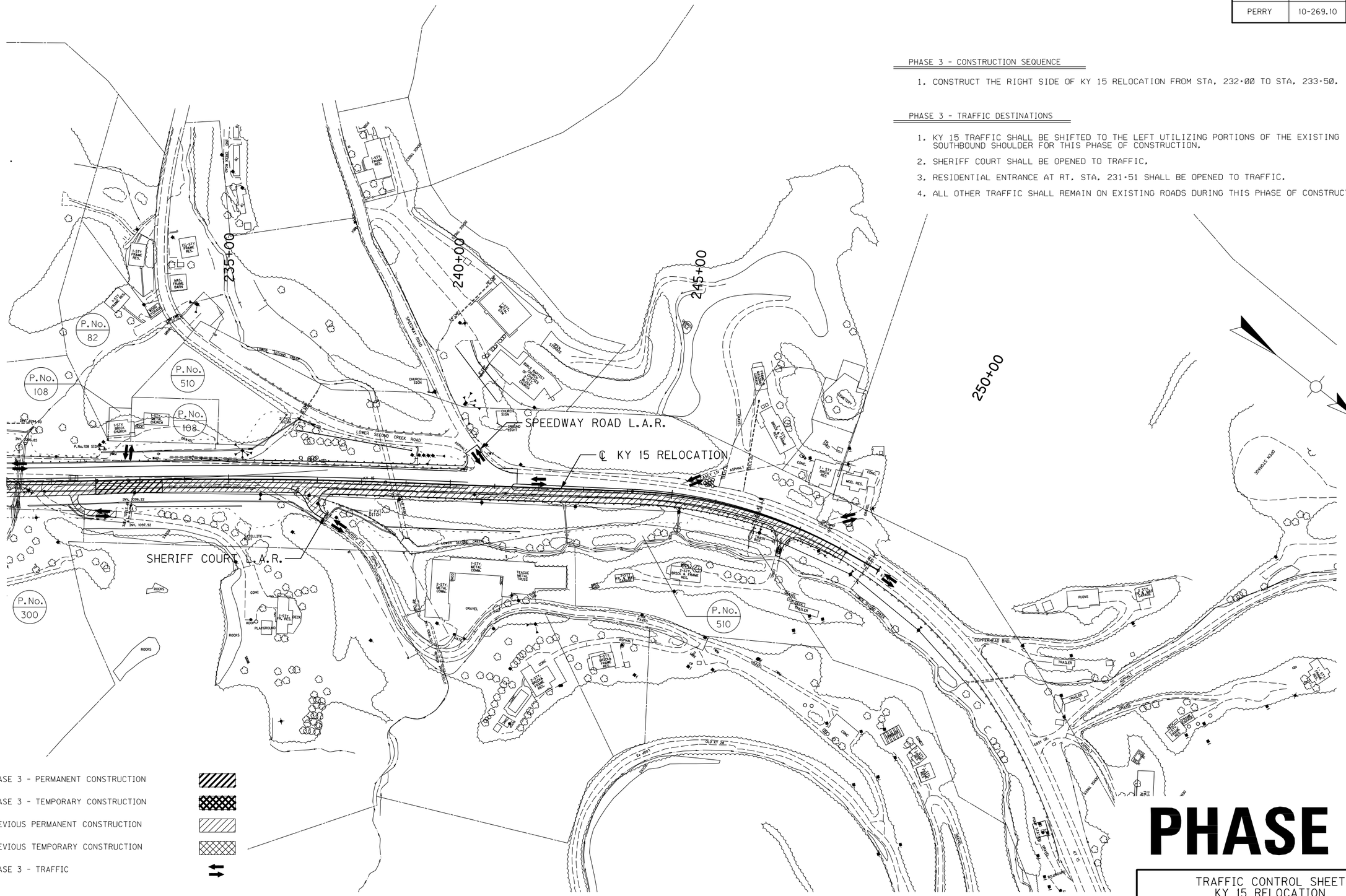
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R047

PHASE 3 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 232+00 TO STA. 233+50.

PHASE 3 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE LEFT UTILIZING PORTIONS OF THE EXISTING SOUTHBOUND SHOULDER FOR THIS PHASE OF CONSTRUCTION.
2. SHERIFF COURT SHALL BE OPENED TO TRAFFIC.
3. RESIDENTIAL ENTRANCE AT RT. STA. 231+51 SHALL BE OPENED TO TRAFFIC.
4. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.



PHASE 3 - PERMANENT CONSTRUCTION

PHASE 3 - TEMPORARY CONSTRUCTION

PREVIOUS PERMANENT CONSTRUCTION

PREVIOUS TEMPORARY CONSTRUCTION

PHASE 3 - TRAFFIC

SCALE 1" = 100'

PHASE 3

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 230+00 TO STA. END

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
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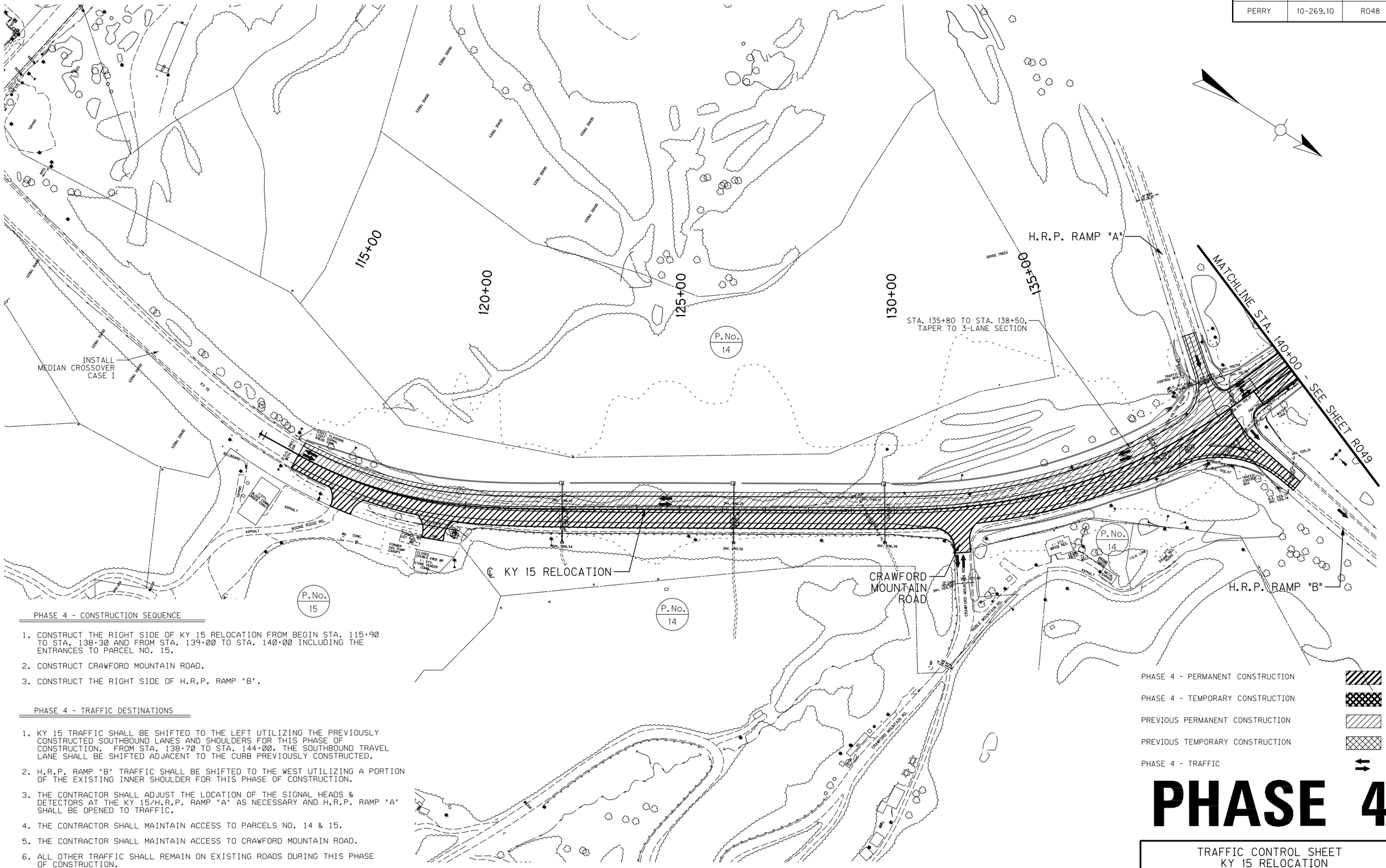
10/23/2013

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R048



SCALE 1" = 100'

PHASE 4 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM BEGIN STA. 115+90 TO STA. 138+30 AND FROM STA. 139+00 TO STA. 140+00 INCLUDING THE ENTRANCES TO PARCEL NO. 15.
2. CONSTRUCT CRAWFORD MOUNTAIN ROAD.
3. CONSTRUCT THE RIGHT SIDE OF H.R.P. RAMP "B".

PHASE 4 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE LEFT UTILIZING THE PREVIOUSLY CONSTRUCTED SOUTHBOUND LANES AND SHOULDERS FOR THIS PHASE OF CONSTRUCTION. FROM STA. 138+70 TO STA. 144+00, THE SOUTHBOUND TRAVEL LANE SHALL BE SHIFTED ADJACENT TO THE CURB PREVIOUSLY CONSTRUCTED.
2. H.R.P. RAMP "B" TRAFFIC SHALL BE SHIFTED TO THE WEST UTILIZING A PORTION OF THE EXISTING INNER SHOULDER FOR THIS PHASE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE SIGNAL HEADS & DETECTORS AT THE KY 15/H.R.P. RAMP "A" AS NECESSARY AND H.R.P. RAMP "A" SHALL BE OPENED TO TRAFFIC.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO PARCELS NO. 14 & 15.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO CRAWFORD MOUNTAIN ROAD.
6. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

PHASE 4

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. BEGIN TO STA. 140+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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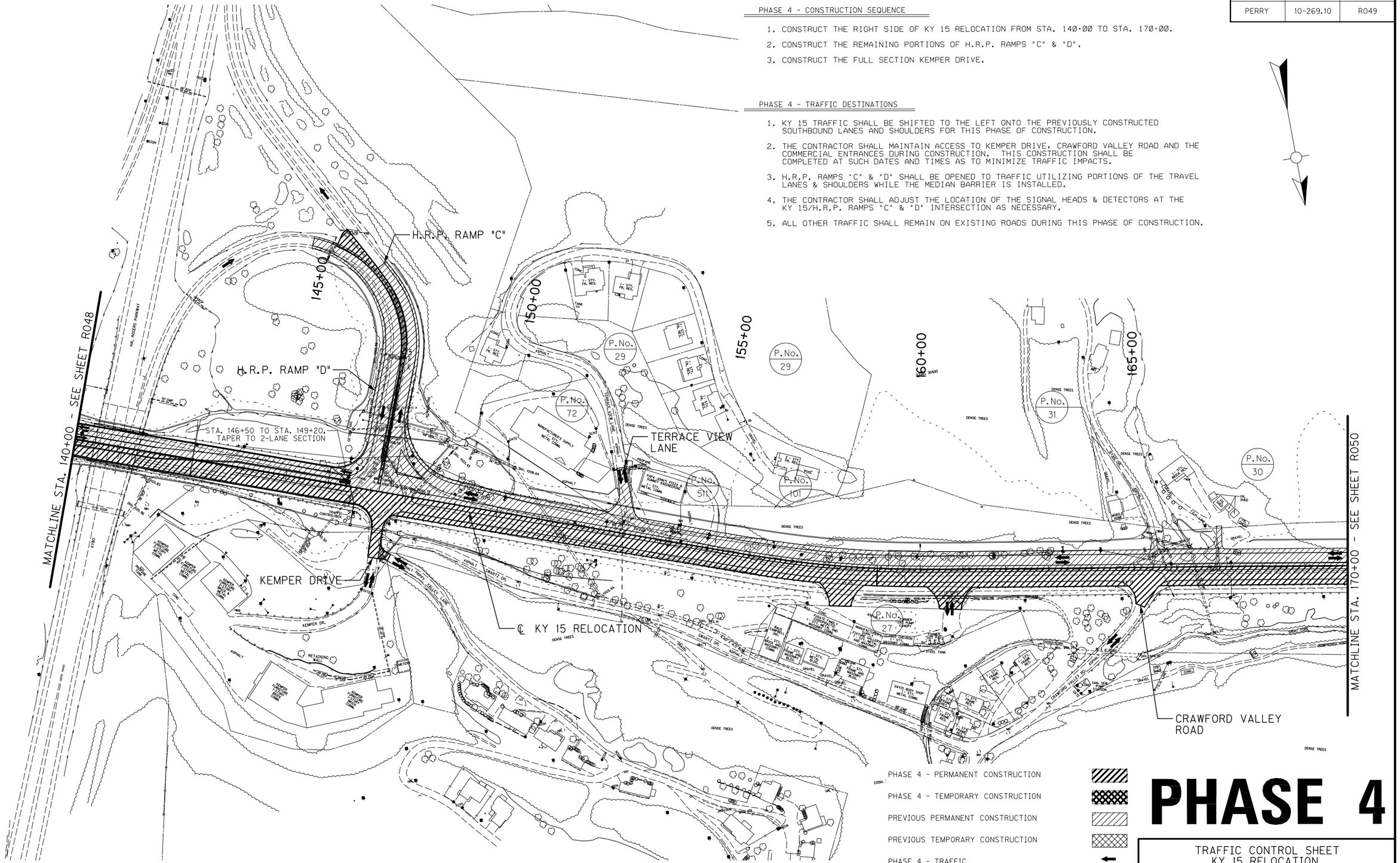
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R049

PHASE 4 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 140+00 TO STA. 170+00.
2. CONSTRUCT THE REMAINING PORTIONS OF H.R.P. RAMPS "C" & "D".
3. CONSTRUCT THE FULL SECTION KEMPER DRIVE.

PHASE 4 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE LEFT ONTO THE PREVIOUSLY CONSTRUCTED SOUTHBOUND LANES AND SHOULDERS FOR THIS PHASE OF CONSTRUCTION.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO KEMPER DRIVE, CRAWFORD VALLEY ROAD AND THE COMMERCIAL ENTRANCES DURING CONSTRUCTION. THIS CONSTRUCTION SHALL BE COMPLETED AT SUCH DATES AND TIMES AS TO MINIMIZE TRAFFIC IMPACTS.
3. H.R.P. RAMPS "C" & "D" SHALL BE OPENED TO TRAFFIC UTILIZING PORTIONS OF THE TRAVEL LANES & SHOULDERS WHILE THE MEDIAN BARRIER IS INSTALLED.
4. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE SIGNAL HEADS & DETECTORS AT THE KY 15/H.R.P. RAMPS "C" & "D" INTERSECTION AS NECESSARY.
5. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.



SCALE 1" = 100'

PHASE 4 - PERMANENT CONSTRUCTION

PHASE 4 - TEMPORARY CONSTRUCTION

PREVIOUS PERMANENT CONSTRUCTION

PREVIOUS TEMPORARY CONSTRUCTION

PHASE 4 - TRAFFIC

PHASE 4

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 140+00 TO STA. 170+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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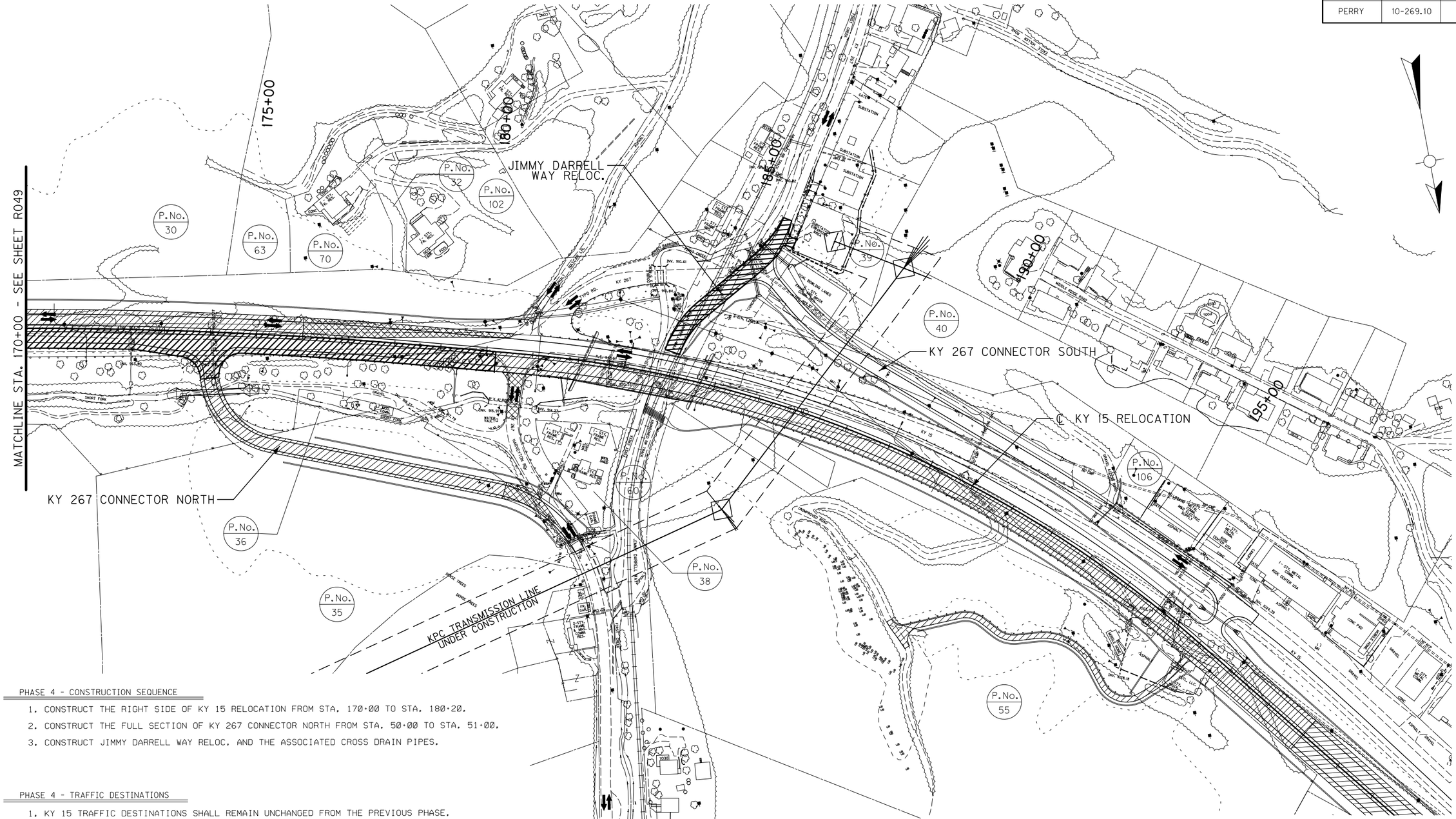
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R050



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CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

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PHASE 4 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE RIGHT SIDE OF KY 15 RELOCATION FROM STA. 170+00 TO STA. 180+20.
2. CONSTRUCT THE FULL SECTION OF KY 267 CONNECTOR NORTH FROM STA. 50+00 TO STA. 51+00.
3. CONSTRUCT JIMMY DARRELL WAY RELOC. AND THE ASSOCIATED CROSS DRAIN PIPES.

PHASE 4 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC DESTINATIONS SHALL REMAIN UNCHANGED FROM THE PREVIOUS PHASE.
2. THE NEW INTERSECTION WITH KY 267 CONNECTOR NORTH SHALL BE TEMPORARILY CLOSED TO TRAFFIC. KY 267 CONNECTOR NORTH TRAFFIC SHALL UTILIZE THE TEMPORARY PAVEMENT AT THE EXISTING INTERSECTION WITH KY 15.
3. JIMMY DARRELL WAY SHALL BE CLOSED TO TRAFFIC FOR THIS PHASE. THE ASSOCIATED CROSS DRAIN PIPES SHALL BE INSTALLED UNDER FLAG CONTROL AT SUCH DATES AND TIMES AS TO MINIMIZE TRAFFIC IMPACTS.
4. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN ACCESS TO PARCEL NO. 55.
5. ALL OTHER TRAFFIC SHALL CONTINUE TO UTILIZE EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

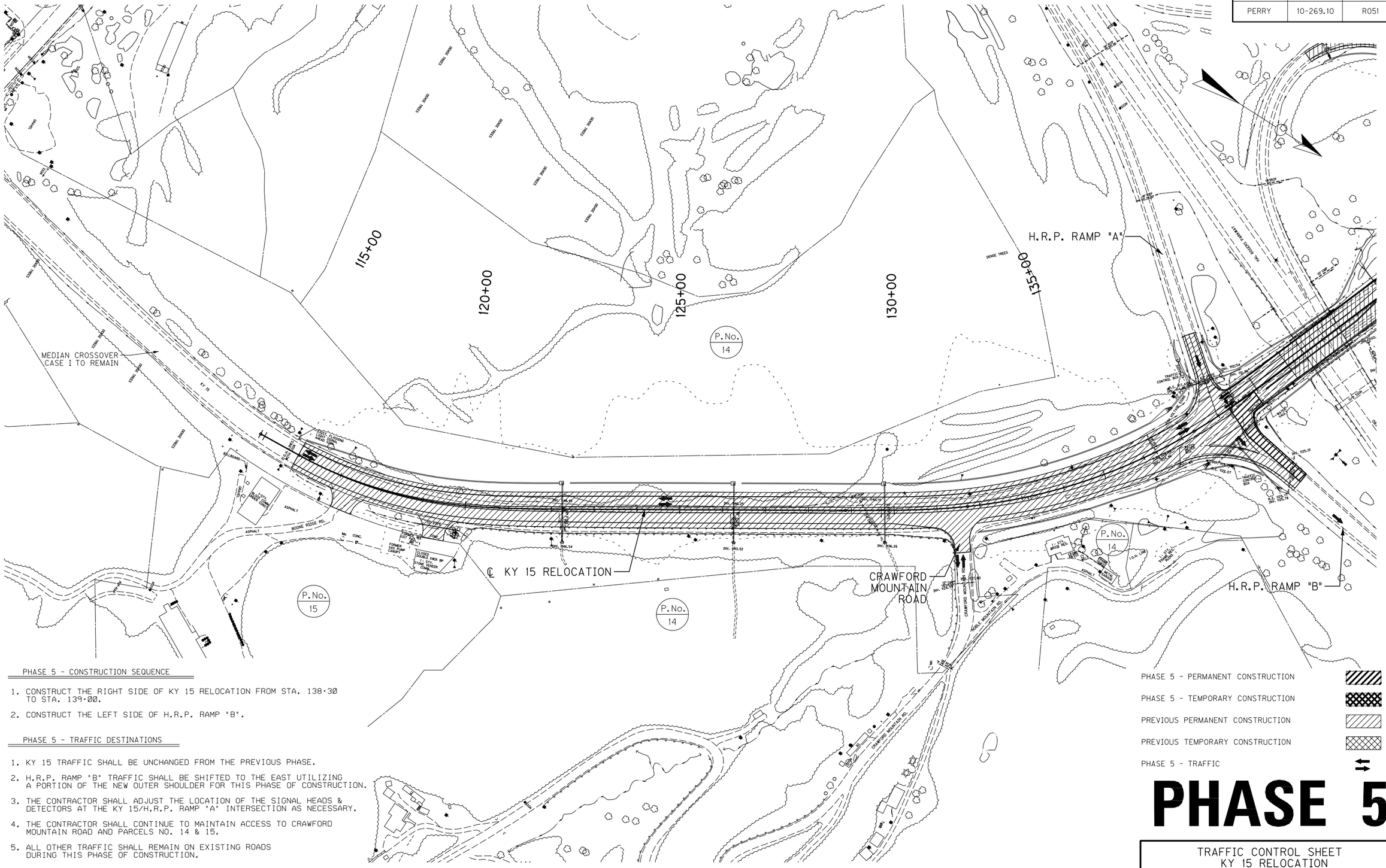
SCALE 1" = 100'

PHASE 4 - PERMANENT CONSTRUCTION
PHASE 4 - TEMPORARY CONSTRUCTION
PREVIOUS PERMANENT CONSTRUCTION
PREVIOUS TEMPORARY CONSTRUCTION
PHASE 4 - TRAFFIC

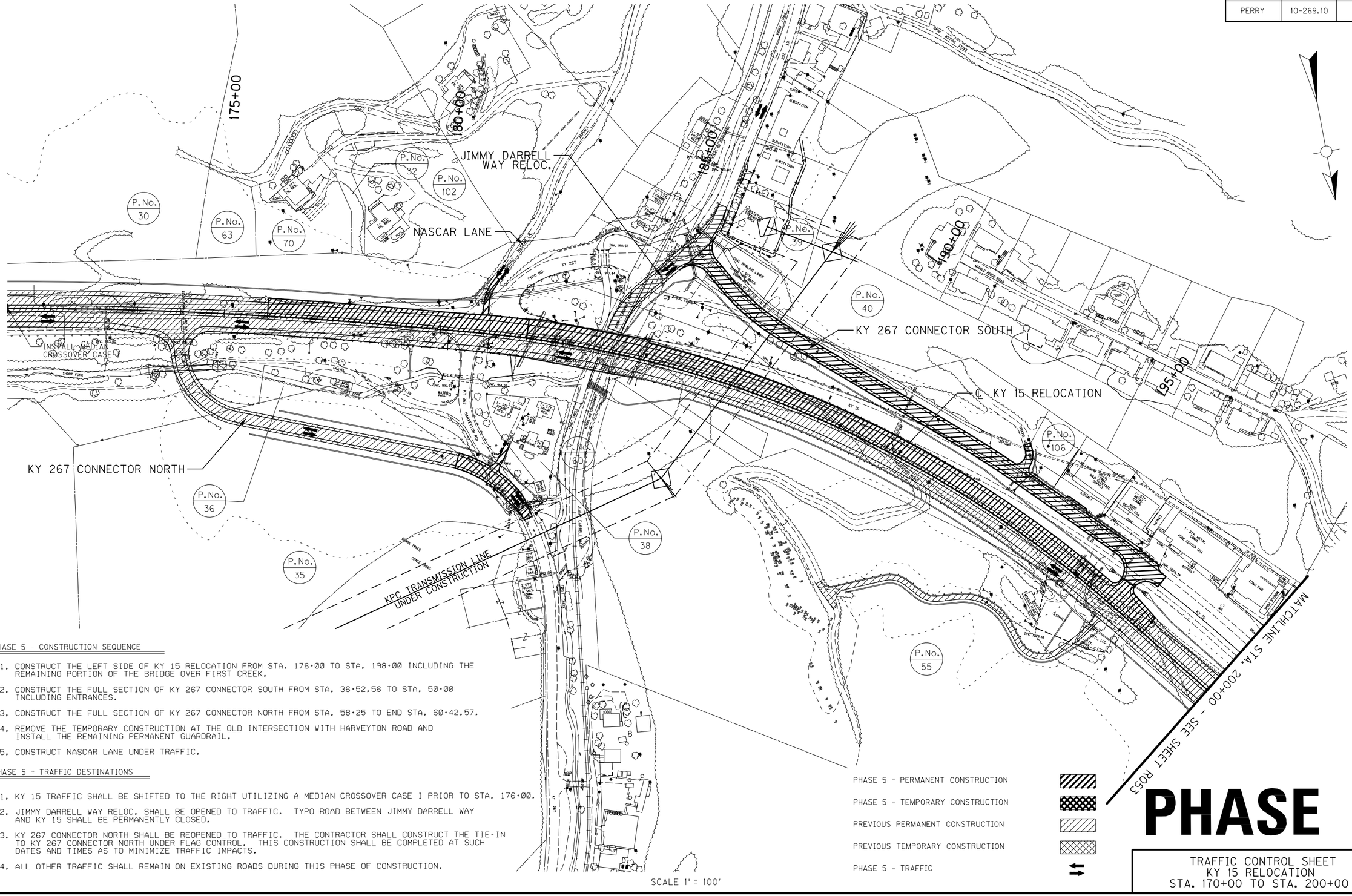
PHASE 4

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 170+00 TO STA. 200+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R051


115+00
120+00
125+00
130+00
135+00
H.R.P. RAMP "A"
MEDIAN CROSSOVER
CASE I TO REMAIN
℄ KY 15 RELOCATION
CRAWFORD
MOUNTAIN
ROAD
H.R.P. RAMP "B"
P.No.
14
P.No.
15
BOONE RIDGE RD.
CRAWFORD MOUNTAIN RD.
HOBLE MOUNTAIN RD.
HAL HOSKINS PARKWAY
DENSE TREES
ASPHALT
BILLBOARD
CONCRETE
CLOSED DOUBLE GRATE STORM SEWER CURB INLET
CLOSED DOUBLE GRATE STORM SEWER CURB INLET
CORNER CAB TUNNEL CARCEPT
TRAFFIC CONTROL BOX
TRAFFIC CONTROL BOX #1
TRAFFIC CONTROL BOX #2
STL. BRIDGE NO.
CONC. BRIDGE NO.
INV. 1046.54
INV. 1043.52
INV. 1036.26
INV. 1025.18
INV. 1022.07
INV. 1025.18
INV. 1025.18
INV. 1025.18

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R052



PHASE 5 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 176+00 TO STA. 198+00 INCLUDING THE REMAINING PORTION OF THE BRIDGE OVER FIRST CREEK.
2. CONSTRUCT THE FULL SECTION OF KY 267 CONNECTOR SOUTH FROM STA. 36+52.56 TO STA. 50+00 INCLUDING ENTRANCES.
3. CONSTRUCT THE FULL SECTION OF KY 267 CONNECTOR NORTH FROM STA. 58+25 TO END STA. 60+42.57.
4. REMOVE THE TEMPORARY CONSTRUCTION AT THE OLD INTERSECTION WITH HARVEYTON ROAD AND INSTALL THE REMAINING PERMANENT GUARDRAIL.
5. CONSTRUCT NASCAR LANE UNDER TRAFFIC.

PHASE 5 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE RIGHT UTILIZING A MEDIAN CROSSOVER CASE I PRIOR TO STA. 176+00.
2. JIMMY DARRELL WAY RELOC. SHALL BE OPENED TO TRAFFIC. TYPO ROAD BETWEEN JIMMY DARRELL WAY AND KY 15 SHALL BE PERMANENTLY CLOSED.
3. KY 267 CONNECTOR NORTH SHALL BE REOPENED TO TRAFFIC. THE CONTRACTOR SHALL CONSTRUCT THE TIE-IN TO KY 267 CONNECTOR NORTH UNDER FLAG CONTROL. THIS CONSTRUCTION SHALL BE COMPLETED AT SUCH DATES AND TIMES AS TO MINIMIZE TRAFFIC IMPACTS.
4. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.

PHASE 5 - PERMANENT CONSTRUCTION
PHASE 5 - TEMPORARY CONSTRUCTION
PREVIOUS PERMANENT CONSTRUCTION
PREVIOUS TEMPORARY CONSTRUCTION
PHASE 5 - TRAFFIC

SCALE 1" = 100'

PHASE 5

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 170+00 TO STA. 200+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

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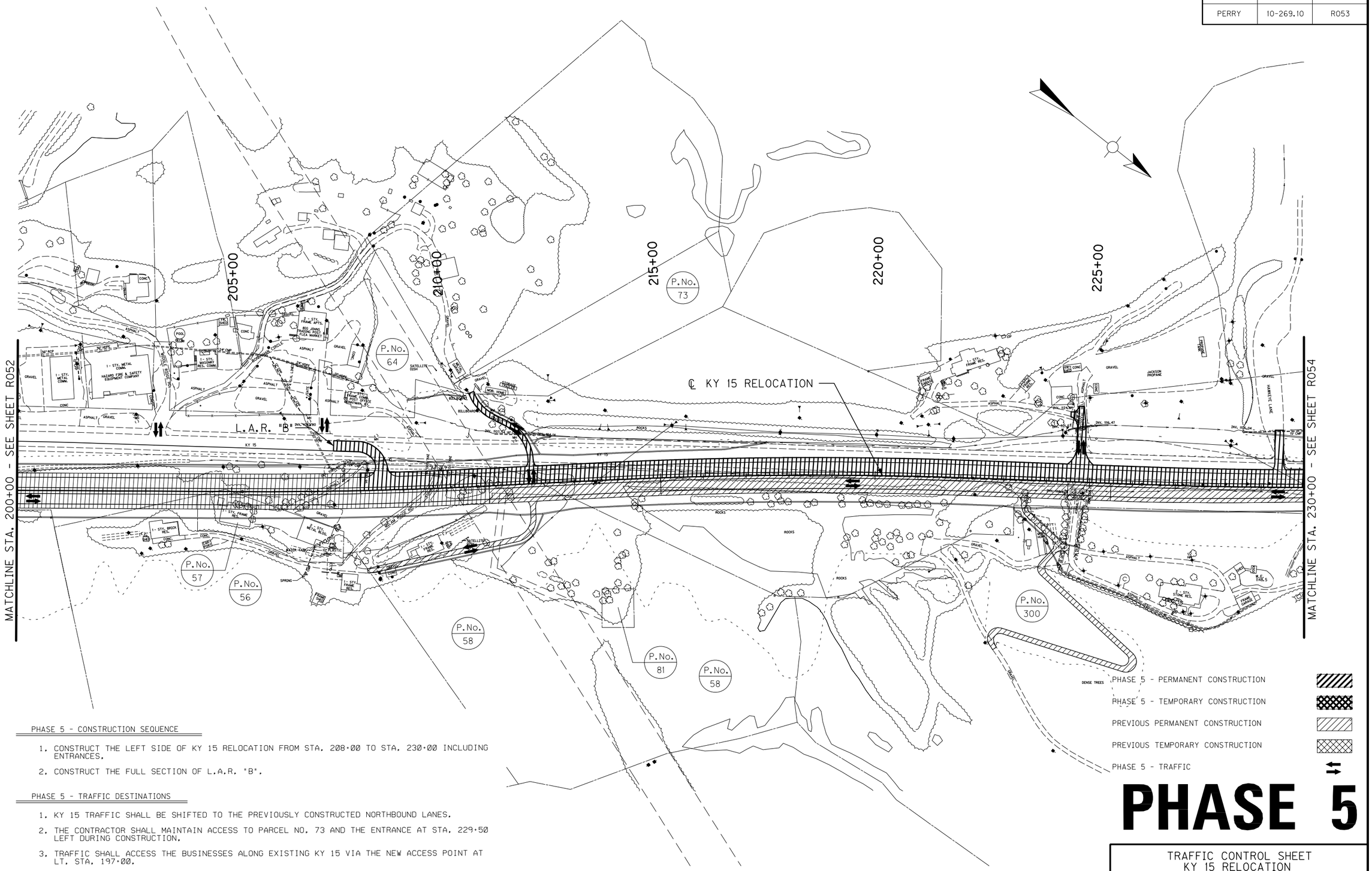
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R053



PHASE 5 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 208+00 TO STA. 230+00 INCLUDING ENTRANCES.
2. CONSTRUCT THE FULL SECTION OF L.A.R. "B".

PHASE 5 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL BE SHIFTED TO THE PREVIOUSLY CONSTRUCTED NORTHBOUND LANES.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO PARCEL NO. 73 AND THE ENTRANCE AT STA. 229+50 LEFT DURING CONSTRUCTION.
3. TRAFFIC SHALL ACCESS THE BUSINESSES ALONG EXISTING KY 15 VIA THE NEW ACCESS POINT AT LT. STA. 197+00.

PHASE 5 - PERMANENT CONSTRUCTION

PHASE 5 - TEMPORARY CONSTRUCTION

PREVIOUS PERMANENT CONSTRUCTION

PREVIOUS TEMPORARY CONSTRUCTION

PHASE 5 - TRAFFIC

SCALE 1" = 100'

PHASE 5

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 200+00 TO STA. 230+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
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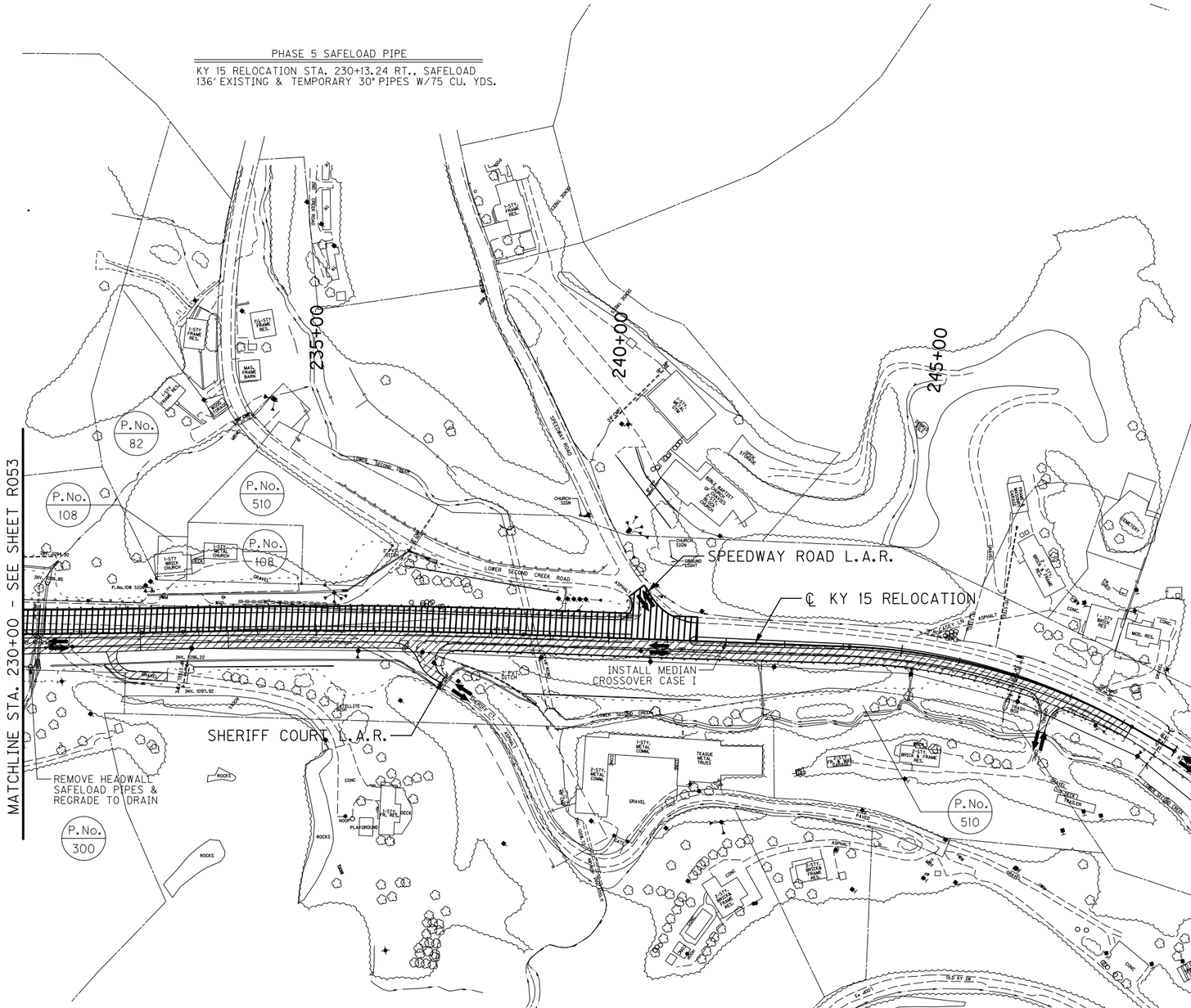
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R054

PHASE 5 SAFELOAD PIPE

KY 15 RELOCATION STA. 230+13.24 RT., SAFELOAD
136' EXISTING & TEMPORARY 30" PIPES W/75 CU. YDS.



PHASE 5 - CONSTRUCTION SEQUENCE

1. CONSTRUCT THE LEFT SIDE OF KY 15 RELOCATION FROM STA. 230+00 TO STA. 241+50.
2. CONSTRUCT THE FULL SECTION OF SPEEDWAY ROAD L.A.R.
3. REMOVE THE TEMPORARY HEADWALL, SAFELOAD THE EXISTING & TEMPORARY PIPES AT STA. 230+13 RT.

PHASE 5 - TRAFFIC DESTINATIONS

1. KY 15 TRAFFIC SHALL REMAIN UNCHANGED FROM THE PREVIOUS PHASE.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO SPEEDWAY ROAD & LOWER SECOND CREEK ROAD DURING CONSTRUCTION.
3. ALL OTHER TRAFFIC SHALL REMAIN ON EXISTING ROADS DURING THIS PHASE OF CONSTRUCTION.
4. UPON THE COMPLETION OF PHASE 5 ALL ALIGNMENTS SHALL BE FULLY PAVED, STRIPED AND PERMENANTLY OPENED TO TRAFFIC.

PREPARED BY ____ DATE ____
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SCALE 1" = 100'

PHASE 5

TRAFFIC CONTROL SHEET
KY 15 RELOCATION
STA. 230+00 TO STA. END

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R055

EROSION CONTROL LEGEND

DISTURBED DRAINAGE AREA

OVERLAND SHEET FLOW

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
1	0.317	1139
2	2.181	7852
3	0.341	1229
4	0.329	1186
5	3.310	11916
6	0.203	731
7	0.355	1279
8	2.687	9672
9	0.583	2100

EROSION CONTROL NOTES

ALL SILT CONTROL DEVICES SHALL BE SIZED TO RETAIN A VOLUME OF 3,600 CUBIC FEET PER DISTURBED CONTRIBUTING ACRE.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED GROUND DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL COMPUTE THE VOLUME NECESSARY TO CONTROL SEDIMENT DURING EACH PHASE OF CONSTRUCTION. AS WORK PROCEEDS, SILT TRAPS MAY BE ADDED OR REMOVED IN ORDER TO ACHIEVE THE BEST MANAGEMENT PLAN. THE REQUIRED VOLUME AT EACH ADDED SILT TRAP SHALL BE COMPUTED AS UP GRADIENT CONTRIBUTING AREAS ARE DISTURBED OR ARE STABILIZED TO THE SATISFACTION OF THE ENGINEER. THE REQUIRED VOLUME CALCULATION FOR EACH SILT TRAP SHALL BE DETERMINED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER. THE REQUIRED VOLUME AT EACH SILT TRAP MAY BE REDUCED BY THE FOLLOWING AMOUNTS:

- UPGRADIENT AREAS NOT DISTURBED (ACRES).

- UPGRADIENT AREAS THAT HAVE BEEN RECLAIMED AND PROTECTED BY EROSION CONTROL BLANKET OR OTHER GROUND PROTECTION MATERIAL SUCH AS TEMPORARY MULCH (ACRES).

- THE USE OF TEMPORARY MULCH IS ENCOURAGED.

- UPGRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT FENCE (ACRES).

-AREAS PROTECTED BY SILT FENCE SHALL BE COMPUTED AT A MAXIMUM RATE OF 100 SQUARE FOOT PER LINEAR FOOT OF SILT FENCE.

- UPGRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT TRAPS (ACRES).

THE EROSION CONTROL PLAN SHALL BE ANNOTATED AS THE WORK PROCEEDS BY THE CONTRACTOR TO DETAIL THE SELECTION OF EACH EROSION CONTROL DEVICE USED AND THE VOLUME PROVIDED BY EACH SILT TRAP IN ACCORDANCE WITH THE DOCUMENTATION PROCEDURES ESTABLISHED BY THE DIVISION OF CONSTRUCTION.

IF A SILT BASIN IS NOT USED THEN ONE SILT TRAP TYPE A, ALTERNATE NUMBER 2 OR SILT TRAP TYPE B SHALL ALWAYS BE PLACED AT THE MOST REMOTE DOWNSTREAM COLLECTION POINT PRIOR TO DISCHARGING INTO A BLUE LINE STREAM OR ONTO AN ADJACENT PROPERTY OWNER. WHERE OVERLAND FLOW EXISTS, A SILT FENCE OR OTHER FILTER DEVICES MAY BE USED OR THE OVERLAND FLOW MAY BE DIVERTED TO ONE OF THE AFOREMENTIONED SILT BASIN OR TRAPS.

THE EROSION CONTROL PLANS DO NOT CONSTITUTE A BMP BY THEMSELVES. THEY PROVIDE A STARTING POINT FOR THE CONTRACTOR AND RESIDENT ENGINEER TO DEVELOP THE BMP ACCORDING TO SECTION 213.03.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SUPPLEMENTAL SPECS EFFECTIVE WITH THE OCTOBER, 2004 LETTING.

EROSION CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY EXCAVATION OR DISTURBANCE WITHIN A DRAINAGE AREA.

THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT TRAPS AND SILT FENCES WHENEVER THEY BECOME ONE-HALF FULL AND PROPERLY DISPOSE OF THE MATERIAL AT SITES APPROVED BY THE RESIDENT ENGINEER.

EROSION CONTROL MEASURES EMPLOYED BY THE CONTRACTOR WILL BE UNIQUE TO THE PROJECT AND WORK CONDITIONS AND SHALL BE APPROVED BY THE RESIDENT ENGINEER. THE DEVELOPMENT AND UTILIZATION OF THESE MEASURES WILL BE RECORDED AS PART OF THE BMP, KEPT ON SITE, AND AVAILABLE FOR PUBLIC INSPECTION.

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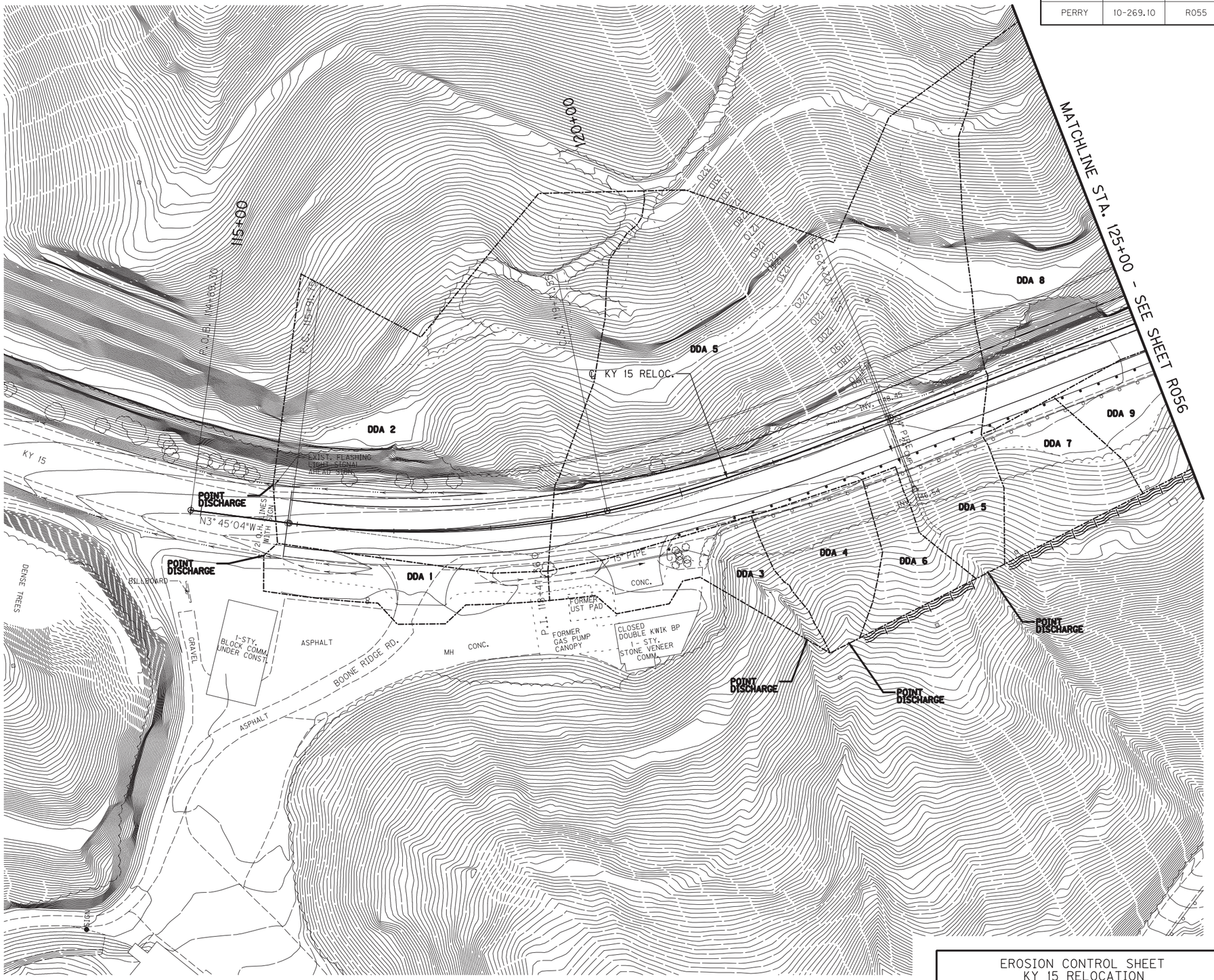


SCALE 1" = 50'

ORIGIN OF ELEVATIONS

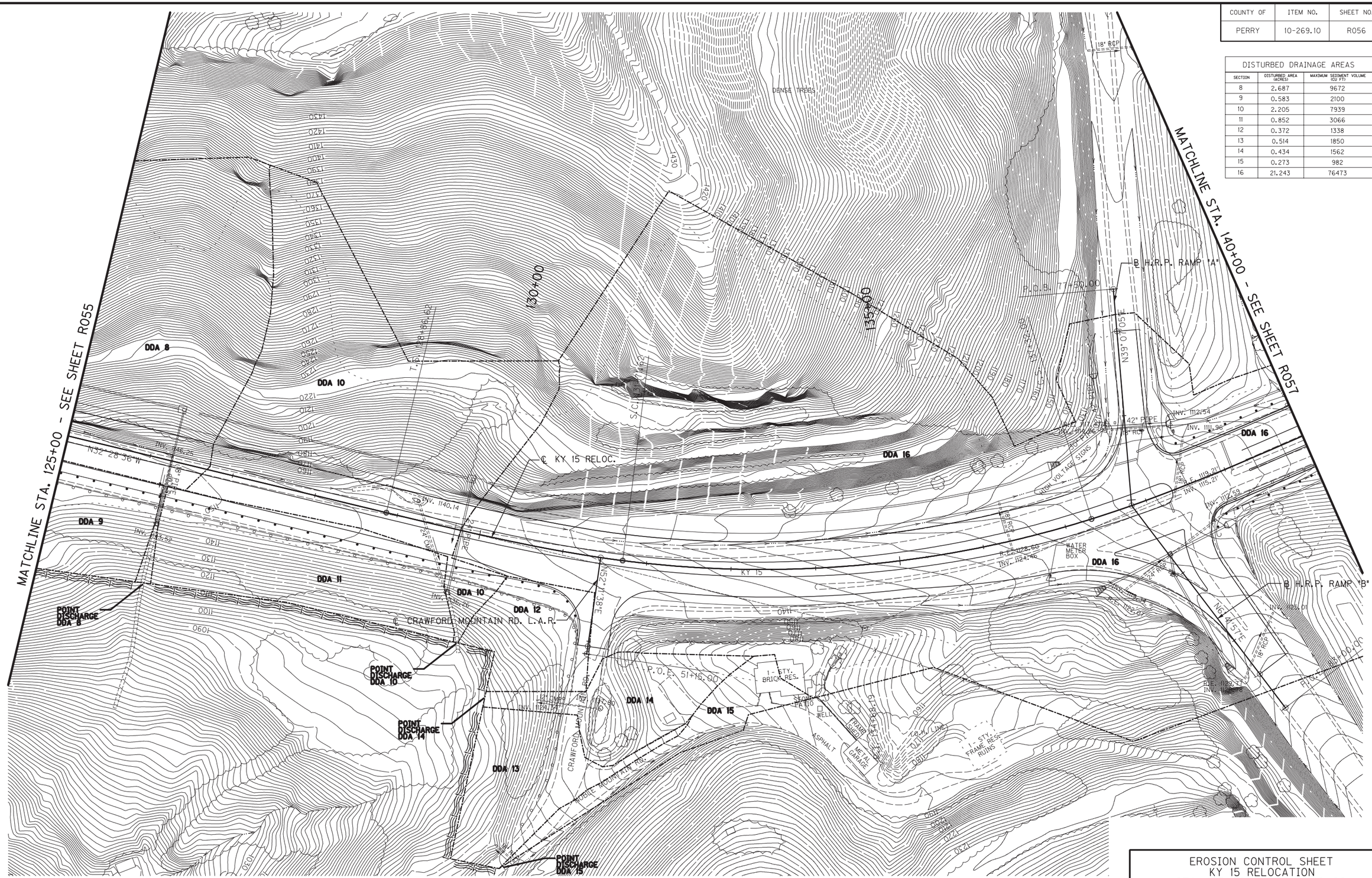
USC&GS J-171 (1950)
ELEV. 862.28

EROSION CONTROL SHEET
KY 15 RELOCATION
STA 115+90 TO STA 125+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R056

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
8	2.687	9672
9	0.583	2100
10	2.205	7939
11	0.852	3066
12	0.372	1338
13	0.514	1850
14	0.434	1562
15	0.273	982
16	21.243	76473



SCALE 1" = 50'

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 125+00 TO STA. 140+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
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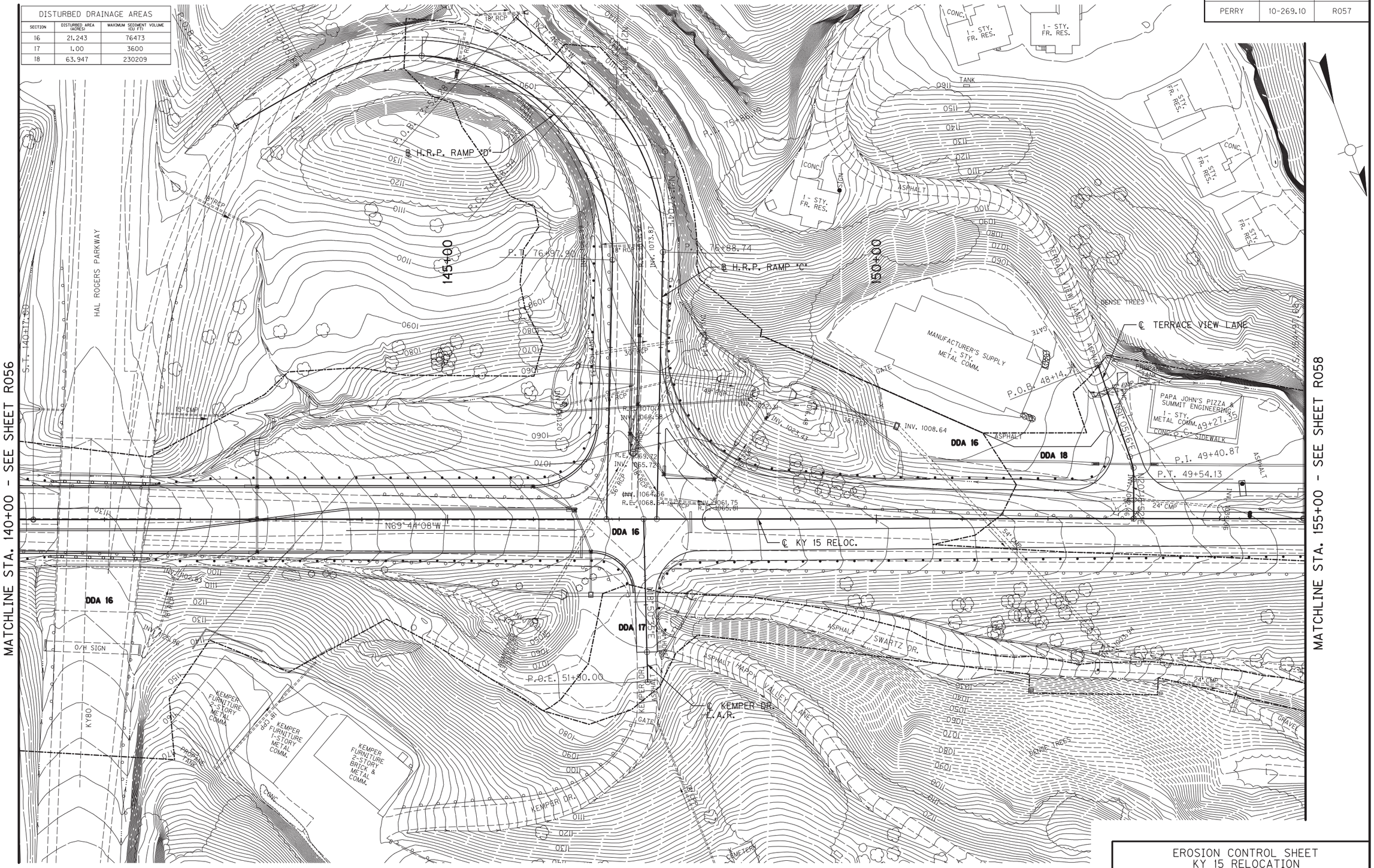
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R057

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
16	21.243	76473
17	1.00	3600
18	63.947	230209



SCALE 1" = 50'

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 140+00 TO STA. 155+00

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

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10/22/2013

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R058

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
16	21.243	76473
17	1.00	3601
18	63.947	230209

MATCHLINE STA. 155+00 - SEE SHEET R057

MATCHLINE STA. 170+00 - SEE SHEET R059

DENSE TREES

160+00

165+00

DDA 18

DDA 16

DDA 17

℄ KY 15 RELOC.

KY 15

P.I. 158+06.48

P.C. 160+51.40

P.I. 165+80.75

℄ CRAWFORD VALLEY RD, L.A.R.

2 - STY. FR. RES.

POOL

S.C. 157+02.68

S.C. 159+08.92

S.C. 163+53.90

S.C. 167+59.12

GRAVEL

ASPHALT

RIM DEP.

WOBILE HOME

SHED

1 - STY. BRICK RES.

FR. SHED

O.H. LINE

TENT

N79°58'40"W

15" PIPE

12" CMP

CONC.

INV. 1016.45

INV. 1012.20

MSG CONC.

FUGATE FAMILY CHIROPRACTIC 1 - STY. METAL AND MASONRY COMM.

MANUFACTURER'S SUPPLY FIXTURE GALLERY 1 - STY. METAL AND MASONRY COMM.

CLOSED CHEVRON 1 - STY. MASONRY COMM.

FORMER GAS PUMP CANOPY

FORMER UST PAD

MC MC MC

STEEL TANK

ASPHALT

INV. 983.41

SWALE

4.60' 4.0' RCDE

BAUS CAMPBELL INC.

2 - STY. BRICK AND MASONRY COMM.

2 - STY. FRAME AND MASONRY BLDG.

1 - STY. METAL BLDG.

GRAVEL

TANK

2 - STY. FRAME AND MASONRY BLDG.

DAVIS BODY SHOP 1 - STY. METAL COMM.

48" CMP

POINT DISCHARGE DDA 17

DDA 15 POINT DISCHARGE A = 19.14 ac Q10 = 136.31 cfs

SHORT FORK

INV. 949.22

INV. 945.42

P.I. 169+10.61

UNIMPROVED ROAD

CRAWFORD VALLEY RD.

CONC. SAN. SEW. PUMP STATION

1 - STY. FRAME RES.

TANK

FR. SHED

CONC.

DENSE TREES

SCALE 1" = 50'

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 155+00 TO STA. 170+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

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10/22/2013

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
18	63.947	230209

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R059

MATCHLINE STA. 170+00 - SEE SHEET R058

MATCHLINE STA. 185+00 - SEE SHEET R060

℄ KY 15 RELOC.

℄ KY 267 CONNECTOR NORTH (SEE SHEET R066)

℄ JIMMY DARRELL WAY RELOC. (SEE SHEET R067)

DDA 18

175+00

180+00

55+00

60+00

KY 15

KY 267

SHORT FORK

FIRST CREEK

HARVEYTON RD.

TYPD RD.

ASPHALT

GRAVEL

CONC

DECK

POOL

TANK

MAS. SHED

WOOD SHED

1- STY. FRAME RES.

2- STY. FR. RES.

1- STY. FR. RES.

ABANDONED RR TRACK

INV. 910.61

INV. 910.89

INV. 916.97

INV. 914.27

INV. 918.25

INV. 917.79

INV. 920.33

INV. 938.80

INV. 964.21

P.C. 50+74.51

P.T. 49+44.98

P.OVE 50+00.00

R.E. 948.51

N74°34'16"W

N68°18'47"W

S 66°08'18" E

59+33.76

59+90.95

45+76.2

45+78.2

P.T. 45+78.78

P.C. 52+46.78

L=2,728.27

SCALE 1" = 50'

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

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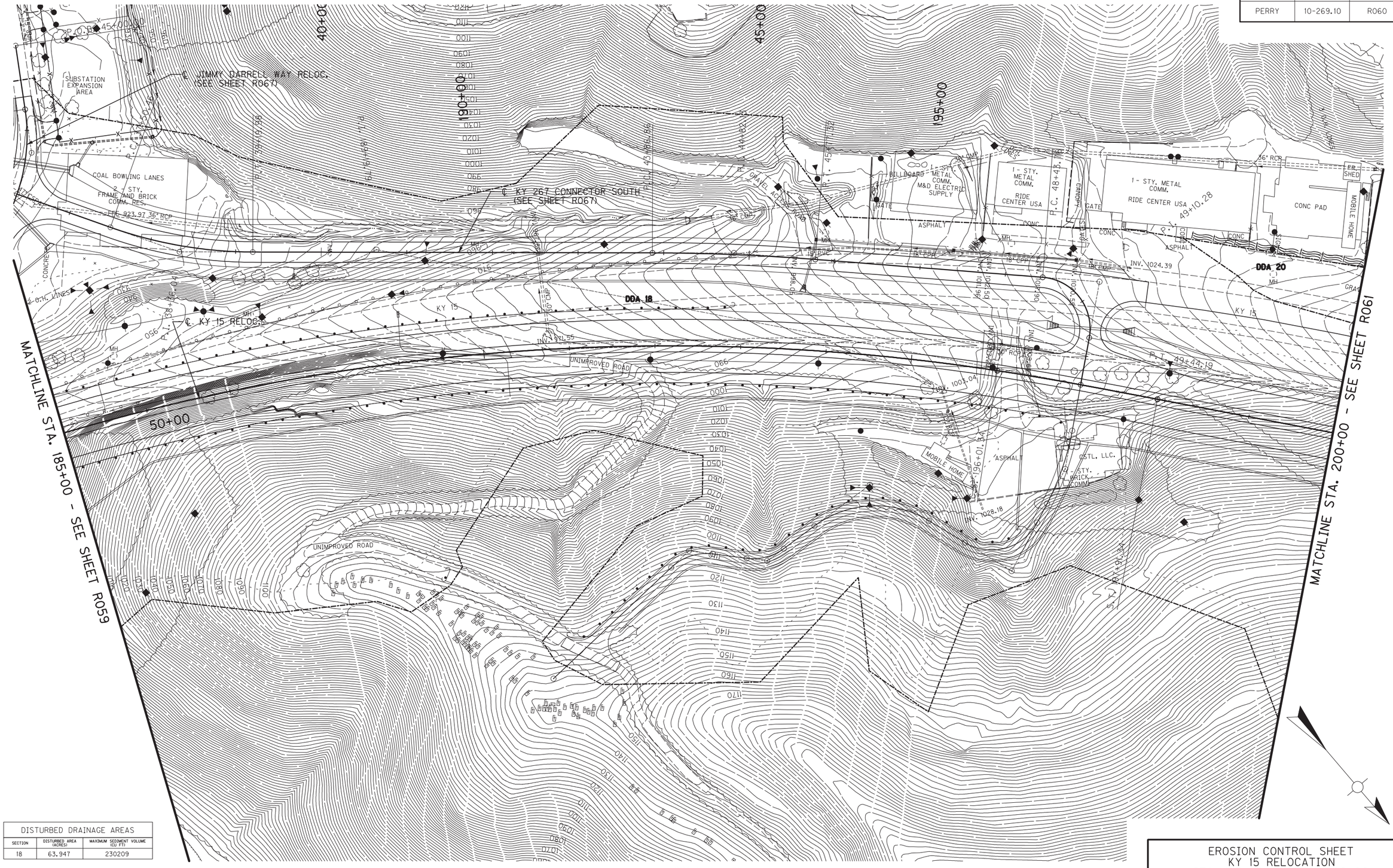
Cell Name: sp
10/23/2013

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 170+00 TO STA. 185+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R060


MATCHLINE STA. 185+00 - SEE SHEET R059
MATCHLINE STA. 200+00 - SEE SHEET R061
℄ JIMMY DARRELL WAY RELOC. (SEE SHEET R067)
℄ KY 267 CONNECTOR SOUTH (SEE SHEET R067)
℄ KY 15 RELOC.
SUBSTATION EXPANSION AREA
COAL BOWLING LANES
2 STY. FRAME AND BRICK COMM. RES.
FFE 923.97
36" RCP
DDA 18
DDA 20
KY 15
UNIMPROVED ROAD
ASPHALT
CONC
CONC PAD
MOBILE HOME
BILLBOARD
1 - STY. METAL COMM. M&D ELECTRIC SUPPLY
1 - STY. METAL COMM. RIDE CENTER USA
1 - STY. METAL COMM. RIDE CENTER USA
OSTL, LLC.
1 - STY. BRICK COMM.
GATE
FENCE
18" CPP
30" RCP
P.C. 48+43.82
P.I. 49+10.28
P.T. 49+44.19
P.C. 45+67.98
P.I. 47+68.41
P.T. 49+66.86
P.C. 45+47.82
P.I. 47+14.82
P.T. 48+43.82
INV. 991.55
INV. 1001.04
INV. 1024.39
INV. 1028.18
INV. 1001.90
INV. 1001.96
INV. 1001.97
INV. 1002.50
INV. 1002.58
INV. 1002.59
INV. 1002.60
INV. 1002.61
INV. 1002.62
INV. 1002.63
INV. 1002.64
INV. 1002.65
INV. 1002.66
INV. 1002.67
INV. 1002.68
INV. 1002.69
INV. 1002.70
INV. 1002.71
INV. 1002.72
INV. 1002.73
INV. 1002.74
INV. 1002.75
INV. 1002.76
INV. 1002.77
INV.

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R061

MATCHLINE STA. 200+00 - SEE SHEET R060

MATCHLINE STA. 215+00 - SEE SHEET R062

205+00

210+00

DDA 18

DDA 20

DDA 21

DDA 22

DDA 23

DDA 24

EXISTING PIPE TO BE SAFELOADED

POINT DISCHARGE DDA 24

℄ KY 15 RELOC.

℄ L.A.R. 'B'

℄ P. NO. 73 ENTR.

℄ P. NO. 56 ENTR.

N38°01'44"W

N36°26'47"W

N41°10'29"W

P.I. 205+25.25

P.I. 207+99.89

P.I. 49+56.86

BIG JOHNS TRADING POST & FLEA MARKET

HAZARD FIRE & SAFETY EQUIPMENT COMPANY

BONNYMAN CIRCLE

MIDDLE RIDGE RD.

MILAM RIDGE RD.

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
18	63.947	230209
20	0.767	2760
21	0.779	2806
22	0.442	1591
23	10.595	38142
24	5.222	18799

SCALE 1" = 50'

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 200+00 TO STA. 215+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

Cell Library: kytc.cel
Cell Name: sp
10/22/2013

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R062

MATCHLINE STA. 215+00 - SEE SHEET R061

MATCHLINE STA. 230+00 - SEE SHEET R063

DDA 24

DDA 23

DDA 25

220+00

225+00

P.I. 228+22.00

P.I. 229+12.58

℄ KY 15 RELOC.

℄ P. NO. 300 ENTR.

℄ CELL TOWER ACCESS ENTR.

1- STY. FRAME RES.

FRAME GARAGE

FRAME RES.

FR. SHED

CONC

ASPHALT

GRAVEL

JACKSON PROPANE

PROPANE TANK

HAWKEYE LANE

MOBILE HOME

2 - STY. STONE RES.

SHED

DECK

W.E. 1148.5

ROCKS

DENSE TREES

INV. 1124.87

INV. 1121.67

INV. 1116.47

INV. 1116.04

INV. 1118.27

INV. 1116.27

INV. 1116.07

INV. 1115.87

INV. 1115.67

INV. 1115.47

18" CMP

15" CMP

6 O.H. LINES

5 O.H. LINES

4 O.H. LINES

2 O.H. LINES

1 O.H. LINE

N36°12'49"W

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
23	10.595	38142
24	5.222	18799
25	13.424	48326

SCALE 1" = 50'

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 215+00 TO STA. 230+00

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

Cell Library: kytc.cel
Cell Name: sp
10/23/2013

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R063

MATCHLINE STA. 230+00 - SEE SHEET R062

MATCHLINE STA. 245+00 - SEE SHEET R064

235+00

240+00

DDA 25

DDA 26

DDA 27

DDA 28

DDA 29

DDA 30

DDA 31

DDA 32

DDA 33

DDA 34

POINT DISCHARGE DDA 29
A = 44.27 ac
Q10 = 46.88 cfs

POINT DISCHARGE DDA 27

DDA 32 AND 34 POINT DISCHARGE
A = 1140 ac
Q10 = 741.64 cfs

POINT DISCHARGE DDA 33

POINT DISCHARGE DDA 14

SECOND CREEK

LOWER SECOND CREEK ROAD

SPEEDWAY ROAD

℄ SPEEDWAY RD. L.A.R.

℄ KY 15 RELOC.

℄ SHERIFF CT. L.A.R.

℄ RESIDENTIAL ENTR.

MAS. FRAME BARN

1-STY FRAME RES.

WOOD STORAGE

1-STY BRICK CHURCH

1-STY METAL CHURCH

BIBLE BAPTIST OF CHURCH OF CHRIST 2-STY BRICK CHURCH

1-STY. METAL GYM

OPEN STORAGE

1-STY. METAL COMM.

TEAGUE METAL TRUSS

2-STY. METAL COMM.

2-STY. FR. & MAS. GARAGE

1-STY FR. RES.

2-STY. BRICK & FRAME RES.

GRAVEL

ASPHALT

CONC

PAVER

PLAYGROUND

DECK

GATE

ROCKS

TANK

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
25	13.424	48326
26	0.945	3403
27	1.823	6562
28	2.353	8472
29	0.652	2347
30	0.359	1294
31	0.246	885
32	0.416	1499
33	0.528	1901
34	3.945	14200

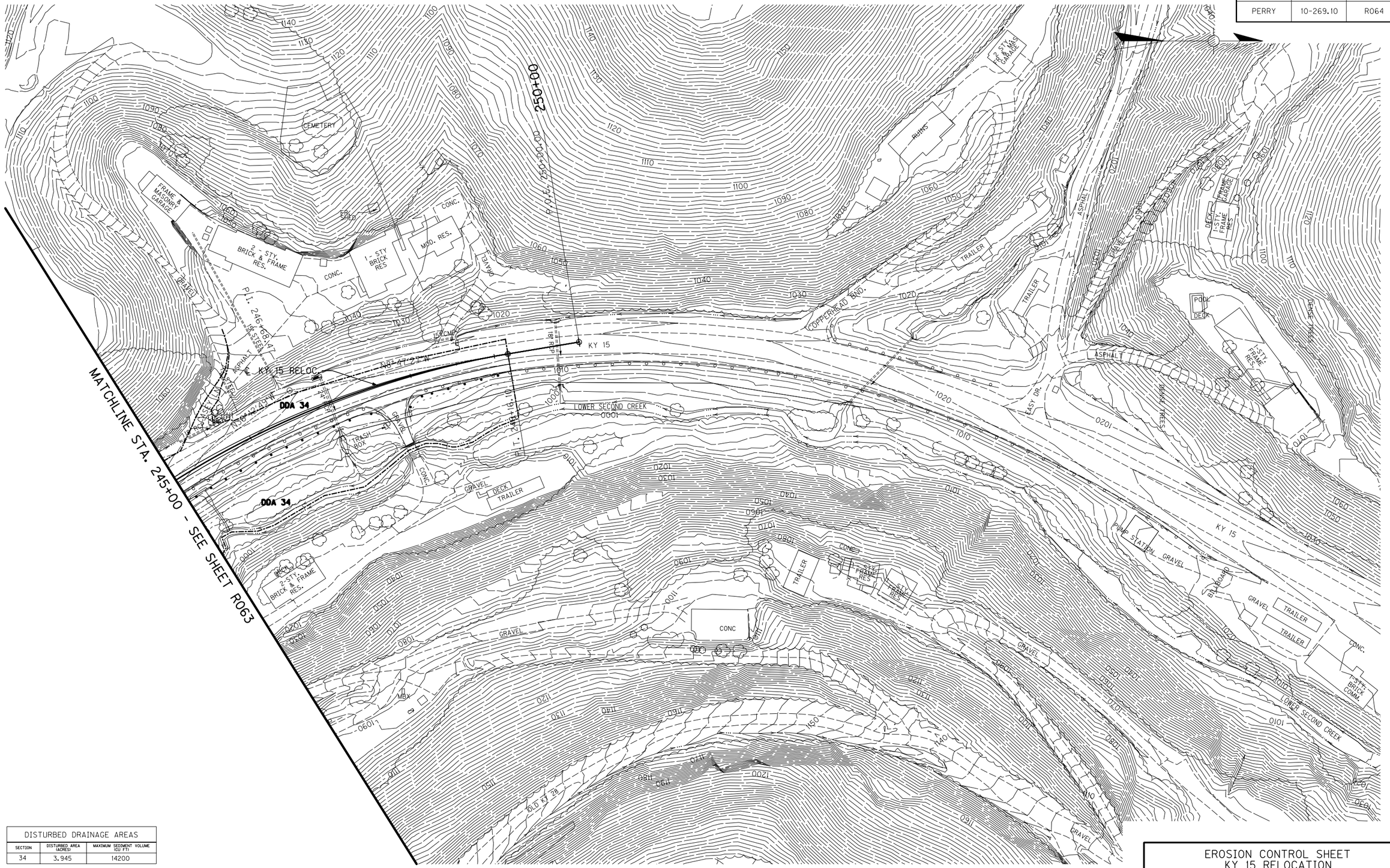
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

Cell Library: kytc.cel
Cell Name: sp
10/22/2013

SCALE 1" = 50'

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 230+00 TO STA. 245+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R064



SCALE 1" = 50'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sp
10/22/2013

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
34	3.945	14200

EROSION CONTROL SHEET
KY 15 RELOCATION
STA. 245+00 TO STA. 249+16

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R065

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
16	21.243	76473
17	1.00	3600

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sp
10/22/2013

℄ H.R.P. RAMP "C"
℄ H.R.P. RAMP "D"
℄ KY 15 RELOC.
℄ KEMPER DR.
L.A.R.
DDA 16
DDA 17
145+00
HAL ROGERS PARKWAY
SWARTZ DR.
KEMPER DR.
ALLEY LANE
ASPHALT
KEMPER FURNITURE 1-STORY BRICK COMM.
KEMPER FURNITURE 2-STORY BRICK & METAL COMM.
KEMPER FURNITURE 1-STORY METAL COMM.
KEMPER FURNITURE 2-STORY METAL COMM.
PROPANE TANK
CONC.
RETAINING WALL
18" RCP
15" RCP
12" CPP
6" CPP
SIGN
INV. 1073.87
INV. 1068.55
INV. 1065.20
INV. 1062.36
INV. 1060.54
N69°-44'-38"W
N27°-46'-57"W
N61°-50'-35"E
P.I. 73+08.88
P.C. 71+01.77
P.T. 74+97.50
P.C. 76+68.77
P.T. 79+37.54
P.O.T. 51+40.00

SCALE 1" = 50'

EROSION CONTROL SHEET
H.R.P. RAMPS "C" AND "D" - KY 15 RELOC.
STA. 73+37.08 TO STA. 80+00.00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R066

MATCHLINE STA. 170+00 - SEE SHEET R058

MATCHLINE STA. 185+00 - SEE SHEET R060

175+00

180+00

55+00

60+00

© JIMMY DARRELL WAY RELOC. (SEE SHEET R067)

© KY 15 RELOC.

© KY 267 CONNECTOR NORTH

KY 15

KY 267

SHORT FORK

FIRST CREEK

JIMMY DARRELL WAY

HARVEYTON RD.

TYPO RD.

DDA 18

GRAVEL

ASPHALT

DENSE TREES

2 STY. FR. RES.

DECK

CONC

1 STY. FR. RES.

POOL

TANK

1 STY. FRAME RES.

MAS. SHED

2-STY. FRAME & MAS. COMM. RES.

FRAME GAR.

ABANDONED RR GRADE

P.I. 43+82.97

P.I. 49+47.89

P.I. 52+46.78

P.I. 58+36.61

P.I. 60+42.16

P.I. 60+66.59

P.I. 61+42.16

P.C. 50+00.00

P.T. 60+42.57

N74°34'16"W

N68°18'47"W

N20°30'20"W

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
18	63.947	230209
19	not used	not used

PREPARED BY _____ DATE _____

CHECKED BY _____ DATE _____

APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sp
10/23/2013

SCALE 1" = 50'

EROSION CONTROL SHEET
KY 267 CONN. NORTH - KY 15 RELOC.
STA. 50+00 TO STA. 60+42.57

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU. FT.)
18	63.947	230209
20	0.767	2760

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R067

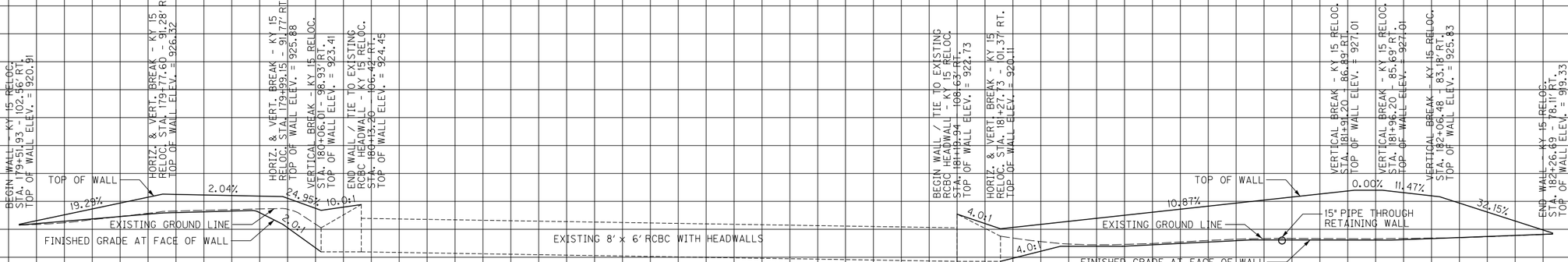
PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

Cell Library: kytc.cel
Cell Name: sp
10/22/2013

SCALE 1" = 50'

EROSION CONTROL SHEET
KY 267 CONN. SOUTH - KY 15 RELOC.
STA. 36+34.56 TO STA. 50+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R070



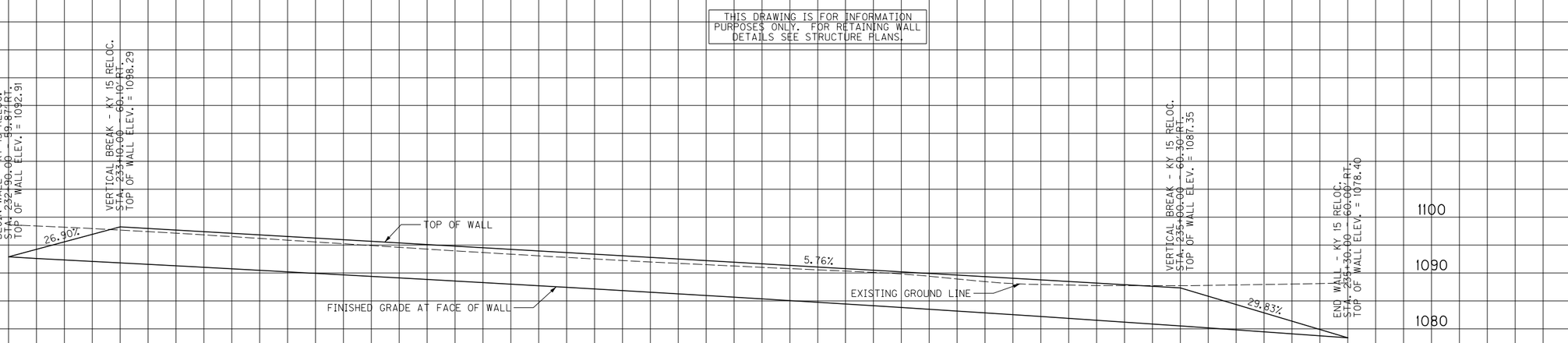
RETAINING WALL #1
RT. STA. 179+51.59 TO RT. STA. 180+13.20

RETAINING WALL #2
RT. STA. 181+19.94 TO RT. STA. 182+26.69

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
10/22/2013

THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. FOR RETAINING WALL DETAILS SEE STRUCTURE PLANS.

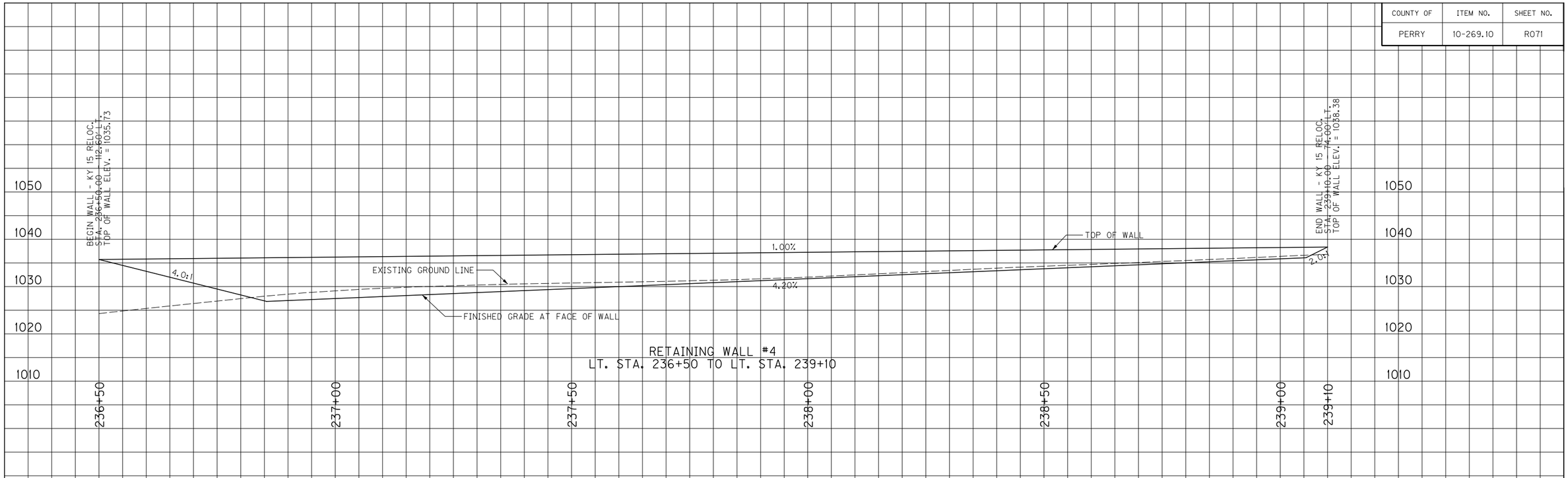


RETAINING WALL #3
RT. STA. 232+90 TO RT. STA. 235+30

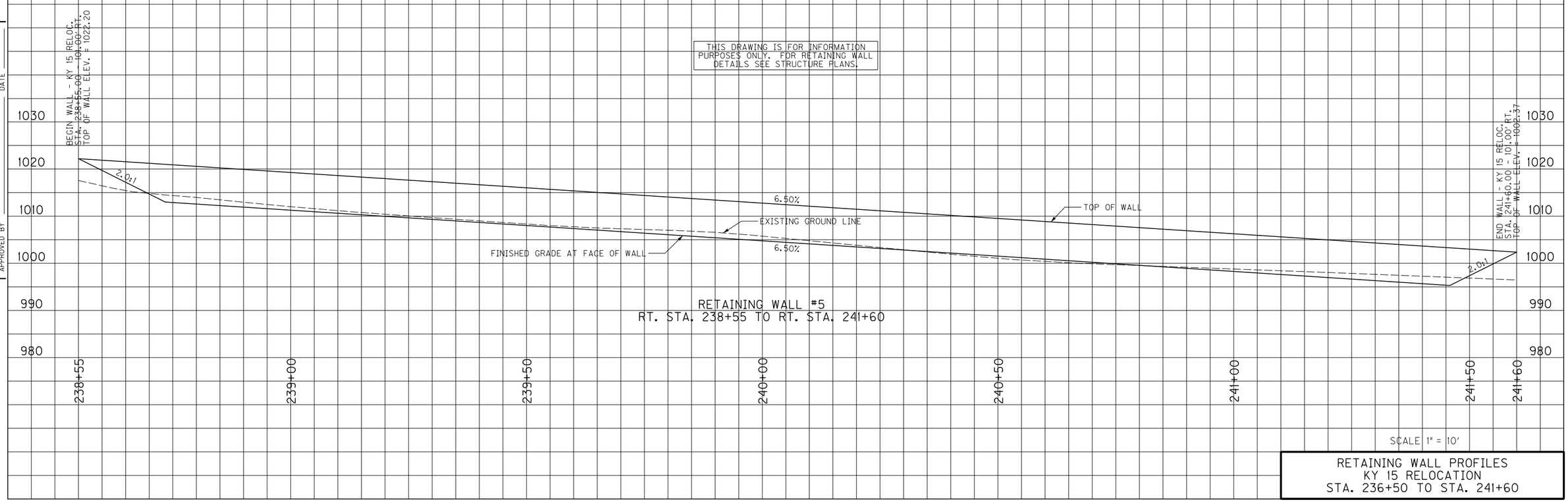
SCALE 1" = 10'

RETAINING WALL PROFILES
KY 15 RELOCATION
STA. 179+51.59 TO STA. 235+30

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R071



RETAINING WALL #4
LT. STA. 236+50 TO LT. STA. 239+10



RETAINING WALL #5
RT. STA. 238+55 TO RT. STA. 241+60

THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. FOR RETAINING WALL DETAILS SEE STRUCTURE PLANS.

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
10/22/2013

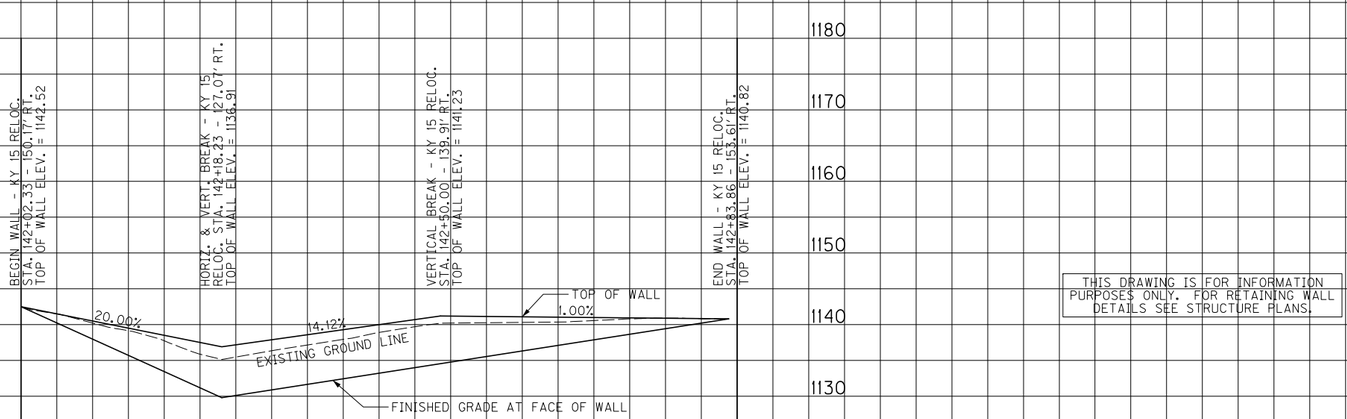
SCALE 1" = 10'

RETAINING WALL PROFILES
KY 15 RELOCATION
STA. 236+50 TO STA. 241+60

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R072

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
10/22/2013



RETAINING WALL #6
RT. STA. 142+02.33 TO RT. STA. 142+83.86

THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. FOR RETAINING WALL DETAILS SEE STRUCTURE PLANS.

SCALE 1" = 10'

RETAINING WALL PROFILES
KY 15 RELOCATION
STA. 142+02.33 TO STA. 142+83.86

GEOTECHNICAL SYMBOL SHEET

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R073

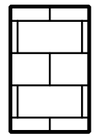
AASHTO Classification of Soils and Soil-Aggregate Mixtures

General Classification	Granular Materials (35% or less passing 0.075 mm)							Silt-Clay Materials (More than 35% passing 0.075 mm)			
Group Classification	A-1		A-3	A-2				A-4	A-5	A-6	A-7
	A-1-a	A-1-b		A-2-4	A-2-5	A-2-6	A-2-7				A-7-5 A-7-6
Sieve Analyses, percent Passing											
2.00 mm (No. 10)	50 max	---	---	---	---	---	---	---	---	---	---
0.425 mm (No. 40)	30 max	50 max	51 min	---	---	---	---	---	---	---	---
0.075 mm (No. 200)	15 max	25 max	10 max	35 max	35 max	35 max	35 max	36 min	36 min	36 min	36 min
Characteristics of Fraction Passing 0.425 mm (No. 40)											
Liquid Limit	---		---	40 max	41 min	40 max	41 min	40 max	41 min	40 max	41 min
Plasticity Index	6 max		N.P.	10 max	10 max	11 min	11 min	10 max	10 max	11 min	11 min

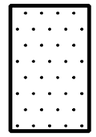
Unified Soil Classifications

MAJOR DIVISIONS		SYMBOL	NAME
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	GW	Well-graded gravels or gravel-sand mixtures, little or no fines.
		GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		GM	Silty gravels, gravel-sand-silt mixtures.
		GC	Clayey gravels, gravel-sand-clay mixtures.
	SAND AND SANDY SOILS	SW	Well-graded sands or gravelly sands, little or no fines.
		SP	Poorly graded sands or gravelly sands, little or no fines.
		SM	Silty sands, sand-silt mixtures.
		SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS	SILTS AND CLAYS LL IS LESS THAN 50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
	SILTS AND CLAYS LL IS GREATER THAN 50	MH	Inorganic silts, micaceous of diatomaceous fine sandy or silty soils, elastic silts.
		CH	Inorganic clays of high plasticity, fat clays.
UNCLASSIFIED MATERIAL		NONE	Non-classified material (i.e. overburden, pavement, slag, etc.) include visual description.

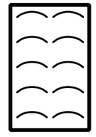
AI	Activity Index
LI	Liquidity Index
S+C	Silt + Clay (% finer than No. 200 Sieve)
○	Rockline Soundings
⊕	Disturbed Sample Boring
◎	Undisturbed Sample Boring
⊙	Undisturbed Sample Boring & Rock Core
○	Rock Core
□	Open Face Log
⊕	Slope Inclinometer Installation typical applications: ⊕-⊕-◎-⊕--○-
OW	Observation Well
→	Approximate Footing Elevation
▼ (Date)	Water Elevation
VS (psf)	Field Vane Shear Strength
■	Thin-walled Tube Sample
<	Standard Penetration Test Sample
N	Penetration Resistance
Qu (psf)	Unconfined Compressive Strength
UU (psf)	Unconsolidated Undrained Triaxial Strength
w(%)	Moisture Content
KY RQD	Rock Quality Designation (Kentucky Method)
STD RQD	Rock Quality Designation (Standard Method)
SDI (JS)	Slake Durability Index (Jar Slake Test)
REC	Core Recovery
Ø	Angle of Internal Friction (Total Stress)
$\overline{Ø}$	Angle of Internal Friction (Effective Stress)
c (psf)	Cohesion (Total Stress)
$\overline{c}$ (psf)	Cohesion (Effective Stress)
ν (psf)	Total Unit Weight
RDZ	Rock Disintegration Zone
OB	Overburden Bench
IB	Intermediate Bench
R	Refusal
NR	Refusal Not Encountered



LIMESTONE



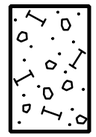
SANDSTONE



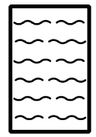
DURABLE SHALE (SDI > 95)

NONDURABLE SHALE (SDI < 95)

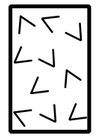
COAL



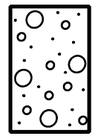
TALUS, MINE WASTE, FILL MATERIAL, BOULDERS, & ETC.



ROADWAY FILL- GRANULAR EMBANKMENT



STRUCTURE GRANULAR BACKFILL



SLOPE PROTECTION

GEOTECHNICAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R074

1. Clearing and grubbing of embankment areas shall be completed in accordance with Section 202 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction.

2. Removal of existing structures and obstructions shall be completed in accordance with Section 203 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction.

3. All channel changes and special ditches shall be constructed prior to placement of any embankment materials adjacent to them in accordance with Section 206 of the current Standard Specifications for Road and Bridge Construction. Materials excavated from these areas may be utilized in construction of the embankments, but may require aeration to the proper moisture contents prior to compaction operations. No extra payment shall be permitted for rehandling, hauling, stockpiling and/or manipulating these materials.

4. In accordance with Section 206 of the current Standard Specifications for Road and Bridge Construction, the moisture content of embankment material or subgrade shall not vary from the optimum moisture content, as determined by KM 64-511, by more than plus or minus two percent. This moisture content requirement shall have equal weight with the density requirement when determining the acceptability of embankment or subgrade construction. Refer to the Family of Curves for moisture-density relationships.

5. Embankment construction shall be in accordance with Section 206 of the current Kentucky Department of Highways Standard Specifications for Roadway and Bridge Construction.

6. Procedures shall be preformed as required to control erosion and siltation in accordance with Sections 212 and 213 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, and as shown on the project plans, profiles, and sections, and as directed by the Engineer.

7. All soils, whether from roadway excavation or borrow, may require manipulation to obtain proper moisture contents prior to compaction. Direct payment shall not be permitted for rehandling, hauling, stockpiling and/or manipulating soils.

8. The Contractor is responsible for conducting any operations (such as construction of temporary drainage ditches, etc.) necessary to excavate the cut areas to the required typical sections. The cost of these operations shall be incidental to the earthwork.

9. Any coal encountered at or within 4 ft. of planned grade shall be removed to a depth of 4 ft. below planned grade. The Contractor shall not perform additional undercutting to recover coal unless prior approval of the Engineer has been obtained. Any such undercutting at or near grade for recovery of coal shall be backfilled with sandstone in 2 ft. lifts, and positive drainage shall be maintained through the cut using 8-in. perforated pipe underdrains, as applicable.

10. As directed by the Engineer, existing bituminous pavements that are positioned within the limits of new roadway embankments shall be scarified or broken until all cleavage planes are destroyed, or the pavement shall be removed entirely as conditions demand, in accordance with Section 206 of the current Standard Specifications for Road and Bridge Construction. Subgrade materials remaining after removal of pavements may need to be stabilized prior to placement of new pavement sections, as directed by the Engineer.

11. As directed by the Engineer, existing bituminous pavement at the following approximate locations that is positioned at, or near proposed subgrade level, shall be undercut a minimum of 2 ft. Beneath proposed subgrade level and backfilled with suitable subgrade material.

Approximate Station Limits

Mainline
105+00 to 183+00

12. The Contractor shall conduct grading operations in such a manner that rock 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, double handling the material, and/or hauling.

13. As directed by the Engineer, all water wells within the limits of construction, whether shown on the plans or not, shall be plugged in accordance with Section 708 of the current Standard Specifications for Road and Bridge Construction.

14. All catch basins and manholes shall be filled and capped and all septic tanks shall be filled in accordance with Section 708 of the current Standard Specifications for Road and Bridge Construction.

15. The bridge approach embankment sections shall include 'pile cores' at the end bent locations to facilitate installation of the foundation systems. The core material shall consist of Granular Embankment and shall be free of rock fragments larger than 3 inches maximum dimension, and any other obstructions which would interfere with foundation installation. Construction of the pile cores shall be in accordance with KYTC Special Provision No. 69, Standard Drawing Nos. RGX-100 and RGX- 105, and Section 206 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. Erodible materials shall not be used in construction of pile cores.

16. Any vertical mine or air shaft under a proposed embankment, whether shown on the plans or not, shall be filled with broken stone (sandstone, limestone or durable shale - SDI equals 95 or greater) from roadway excavation and capped with an 8 in. reinforced concrete slab. The slab shall be in accordance with Section 708 of the current Kentucky Department of Highways Standard Specifications for Road and Bridge Construction.

17. Any mine tunnels or horizontal auger openings in mined-out areas below grade which show signs of subsidence, whether shown on the plans or not, shall be thoroughly investigated at the direction of the Engineer by rock coring, probing or other means. The openings shall be collapsed or undercut and backfilled with broken stone (sandstone, limestone or durable shale - SDI 95 or greater) from roadway excavation. The material shall be backfilled in accordance with Section 206. At the direction of the Engineer, pneumatic backstowing of crushed stone (maximum size 1½in. with no more than 5% passing the No. 100 sieve) may be utilized to backfill openings which are inaccessible or difficult to backfill by other means. If feasible, positive drainage of the tunnels or openings shall be provided through use of pipe underdrains or other suitable drainage features. Pipes and other material used for drainage shall be paid for at the unit bid price for those items. Pneumatic backstowing or other special equipment shall be paid for at the unit price per ton of backstowed material.

18. Any mine tunnels or horizontal auger openings which are exposed in cut slopes, whether shown on the plans or not, shall be backfilled a minimum distance of 20 ft. from the face of the cut. Pneumatic backstowing with broken stone (limestone, durable sandstone or durable shale - SDI 95 or greater, maximum size 1½in. with no more than 5% passing the No. 100 sieves) shall be required in an effort to completely fill any voids. The last 5 ft., horizontally, of backstowed material shall contain five percent cement, by weight, and shall be backstowed as a slurry mix. This will help provide stability of the backstowed material at the face of the cut. If feasible, positive drainage of the tunnels or openings shall be provided through the use of pipe underdrains, surface ditches or other suitable drainage facilities. Pipes and other material used for drainage shall be paid for at the unit bid price for those items. Pneumatic backstowing or other special equipment shall be paid for at the unit price per ton of backstowed material. Voids, interpreted to be the results of past coal mining activities, are present between the following approximate station limits.

Roadway Portion	Approximate Stations
Mainline	105+00 to 137+75

19. As directed by the Engineer, a 3 ft. vertical thickness of broken rock excavated from beneath the RDZ shall be utilized to fill and stabilize the existing drainage swales or stream channels located within the limits of the roadway embankments at the following locations. The broken rock material shall also be placed over all adjacent areas which may be soft and saturated. Positive drainage of these abandoned stream channels shall be maintained to reduce the possibility of trapping water within the roadway embankments.

Approximate Station Limits

Mainline

166+00

20. The Contractor shall construct foundation embankment benches and transverse benches as indicated on the plans, or as directed by the Engineer, prior to placement of embankments in areas requiring such benches.

21. Embankment foundation benches/slope serration's and perforated pipe underdrains shall be placed at the following locations in accordance with current Kentucky Department of Highways Standard Drawing RGX-010, project cross-sections, and as directed by the Engineer. The benches shall be constructed one at a time beginning with the lowest bench. A perforated pipe shall be installed on each bench and daylighted to drain. Each bench shall be backfilled prior to excavation of the next bench. This procedure should be followed to help maintain stability of the existing slopes in these areas.

Approximate Station Limits

Mainline

149+25 to 150+25
175+75 to 179+75
180+75 to 182+50

22. Transverse benching and/or perforated pipe underdrains shall be installed at the following approximate locations in accordance with Standard Drawings RDP-005 and RDP-006, as applicable, and as directed by the Engineer. Contrary to Standard Drawing RDP- 006, transverse benches and perforated pipe underdrains shall be installed in both uphill and downhill transition areas between cuts and fills.

Approximate Station

Mainline	KY 267
155+78	
158+65	50+49
172+25	51+97
173+07	

23. Perforated pipe for subgrade drainage shall be installed at vertical sags and at the upgrade ends of structures, in accordance with Standard Drawing RDP-005 and/or as directed by the Engineer. Contrary to Standard Drawing RDP-005, such drains shall be installed even when a rock roadbed is being constructed. These drainage features shall be installed at the following approximate locations.

Approximate Station

181+61
184+63

24. A slide area exists between approximate Stations ±170+50 and as shown on the cross-sections and as directed by the Engineer. The slide material shall be removed and wasted and shall not be used as embankment material. ±174+00, left. Construction in these areas shall be performed.

25. Several retaining walls are located southeast and up-slope of Nascar Lane (180+79±). These walls were constructed to protect near-by houses. It is recommended that the Contractor exercise caution when working on the roadway near this area. Blasting plans and construction sequencing shall be developed such that the existing retaining walls and other structures in this area are not damaged. It is also recommended that pre-blast surveys of the walls and houses be performed to identify pre-existing conditions of the structures prior to blasting. Post-blast surveys shall also be conducted to assess the condition of the structures following completion of roadway construction. Any grading or improvements along Nascar Lane must be limited to very small amounts to avoid the possibility of initiating landslides and other slope problems in this area. The approximate location of the center position of each wall is provided as follows.

Approximate Station Limits

179+90, 640 Lt.
180+45, 525 Lt.
181+95, 475 Lt.

FORM NO. S
STANDARD

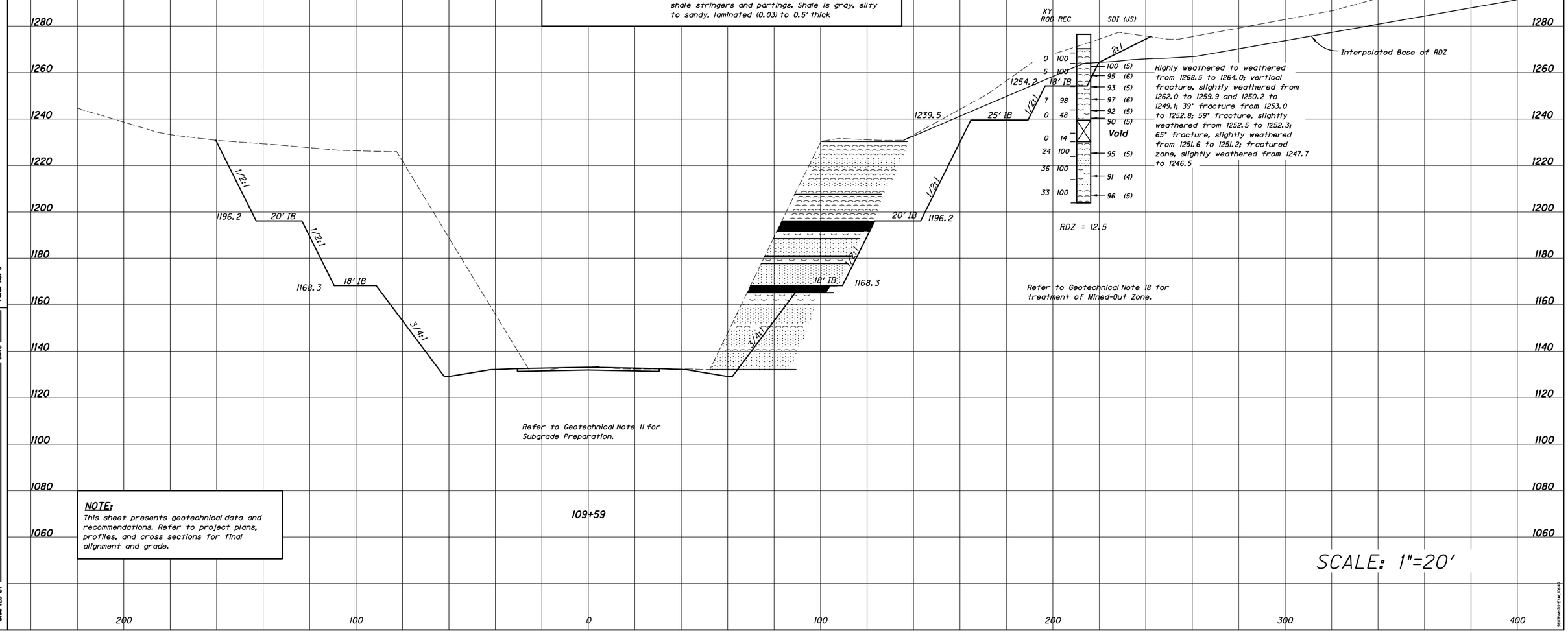
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R075

CUT LIMITS FROM *STATION 105+00 TO *STATION 137+81
OPEN FACE LOG Sta. 109+59, 49.2' Rt.

Elev.		
	1230.3 - 1207.6	Sandstone, gray to brown, fine grained, bedding 0.7 to 3.3' thick, zones shaly/silty (durable) Coal seam or shale zone noted from 1221.3 to 1218.1
	1207.6 - 1196.1	Shale (Siltstone), gray to gray-brown, silty to sandy, bedding 0.1 to 3.3' thick, zones very sandy
	1196.1 - 1191.7	Coal interbedded with Shale. Coal is black, 0.1 to 0.3' thick. Shale is dark gray, carbonaceous, laminated to 0.5 thick
	1191.7 - 1188.5	Shale, gray to dark gray, fissile, portions carbonaceous
	1188.5 - 1181.1	Sandstone, gray, fine grained, bedding 0.2 to 1.3' thick, with shale stringers, partings and layers (≤ 0.5') (durable)
	1181.1 - 1180.7	Shale/Boney Coal, dark gray to gray brown, carbonaceous
	1180.7 - 1177.7	Shale, gray to dark gray, fissile
	1177.8 - 1168.2	Sandstone, gray to gray-brown, fine to medium grained, zones silty, bedding 0.5 to 3.9' thick, flat to lenticular bedding, with shale partings (durable)
	1168.2 - 1165.3	Coal, black, vitreous, iron and sulfur stained
	1165.3 - 1159.4	Shale, dark gray to gray, silty, partially clay-like, laminated (0.03) to 0.7' thick
	1159.41- 1132.1	Sandstone (65%) interbedded with Shale (35%). Sandstone is gray to gray-brown, fine to medium grained, bedding 0.3 to 2.5' thick, with shale stringers and partings. Shale is gray, silty to sandy, laminated (0.03) to 0.5' thick

CORE LOG Sta. 109+59, 213.3' Rt.

Elev.		
	1276.5 - 1270.2	Overburden
	1270.2 - 1239.4	Shale, gray to dark gray, silty to sandy, laminated to thin bedded, zones micaceous
	1239.4 - 1230.2	**Void** and coal remnants, (Hazard No. 7 Coal Seam)
	1230.2 - 1203.9	Shale (66%) interbedded with Sandstone (34%). Shale is gray to dark gray, silty to sandy, laminated to thin bedded, with sandy streaks and partings. Sandstone is gray, fine grained, micaceous, with shale streaks, partings and zones



NOTE:
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SCALE: 1"=20'

FORM NO. 9

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____

DRAFTED BY _____ DATE _____

MAINLINE CUT STABILITY SECTION STATION 109+59

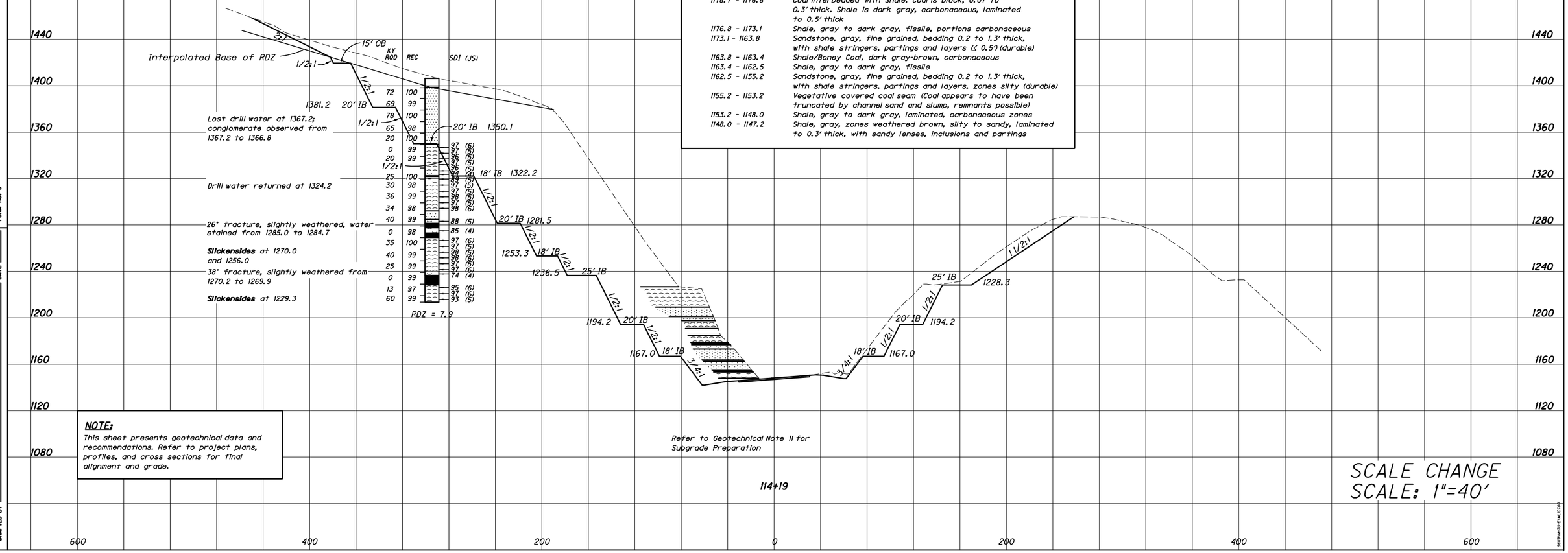
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R076

CORE LOG Sta. 114+19, 294.6' Lt,

Elev.	1406.2 - 1398.7	Overburden
	1398.7 - 1349.6	Sandstone, brown into gray, medium to coarse grained, very thin to medium bedded, with occasional coal and shale stringers, streaks and partings, micaceous, conglomerates (durable)
	1349.6 - 1322.5	Shale, gray, silty to sandy, laminated to thin bedded, zones very sandy, numerous sandy stringers, streaks and partings
	1322.5 - 1321.8	Coal, black, vitreous
	1321.8 - 1292.2	Shale, gray to dark gray, silty to sandy, laminated to medium bedded, zones clay-like, zones carbonaceous, numerous sandy stringers, streaks and partings; Grades into sandstone
	1292.2 - 1284.7	Sandstone, gray, fine to medium grained, thin bedded, micaceous, numerous shale stringers, streaks and partings (durable); Grades into shale, few inclusions observed at 1287.9
	1284.7 - 1281.4	Shale (Fireclay), gray to dark gray, silty to sandy, laminated to thin bedded, zones carbonaceous, with occasional sandy stringers and streaks
	1281.4 - 1277.6	Coal (Boney), black
	1277.6 - 1273.0	Shale (Underclay), dark gray, silty, laminated, clay-like
	1273.0 - 1269.3	Coal (Boney), black
	1269.3 - 1236.6	Shale, gray, silty to sandy, laminated to medium bedded, with numerous sandy stringers, streaks and partings; Becomes very carbonaceous below 1239.1
	1236.6 - 1228.6	Coal, black, zones vitreous, (Hazard No. 7)
	1228.6 - 1213.4	Shale, gray, silty to sandy, laminated to thin bedded, numerous sandy stringers, streaks and partings

CUT LIMITS FROM *STATION 105+00 TO *STATION 137+81
OPEN FACE LOG Sta. 114+19, 16.4' Lt,

Elev.	1225.4 - 1209.3	Shale (Siltstone), gray to gray-brown, silty to sandy, bedding 0.1 to 1.6' thick, with sandstone and shale layers throughout
	1209.3 - 1201.3	Sandstone, gray to gray-brown, very fine to fine grained, bedding 0.1 to 1.0' thick, shaly zones (durable)
	1201.3 - 1197.6	Shale, gray, silty, sandy zones, fissile
	1197.6 - 1190.9	Shale (Siltstone), gray to dark gray, zones water stained brown, silty to sandy, laminated to 0.3' thick
	1190.9 - 1184.8	Bench zone covered with shale fragments and vegetation
	1184.8 - 1178.7	Shale (Siltstone), gray to gray-brown, silty, zones sandy, bedding 0.03 to 1.3' thick, zones very sandy
	1178.7 - 1176.8	Coal interbedded with Shale. Coal is black, 0.07 to 0.3' thick. Shale is dark gray, carbonaceous, laminated to 0.5' thick
	1176.8 - 1173.1	Shale, gray to dark gray, fissile, portions carbonaceous
	1173.1 - 1163.8	Sandstone, gray, fine grained, bedding 0.2 to 1.3' thick, with shale stringers, partings and layers (≤ 0.5') (durable)
	1163.8 - 1163.4	Shale/Boney Coal, dark gray-brown, carbonaceous
	1163.4 - 1162.5	Shale, gray to dark gray, fissile
	1162.5 - 1155.2	Sandstone, gray, fine grained, bedding 0.2 to 1.3' thick, with shale stringers, partings and layers, zones silty (durable)
	1155.2 - 1153.2	Vegetative covered coal seam (Coal appears to have been truncated by channel sand and slump, remnants possible)
	1153.2 - 1148.0	Shale, gray to dark gray, laminated, carbonaceous zones
	1148.0 - 1147.2	Shale, gray, zones weathered brown, silty to sandy, laminated to 0.3' thick, with sandy lenses, inclusions and partings



NOTE:
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SCALE CHANGE
SCALE: 1"=40'

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
FORM NO. 9

MAINLINE CUT STABILITY SECTION STATION 114+19

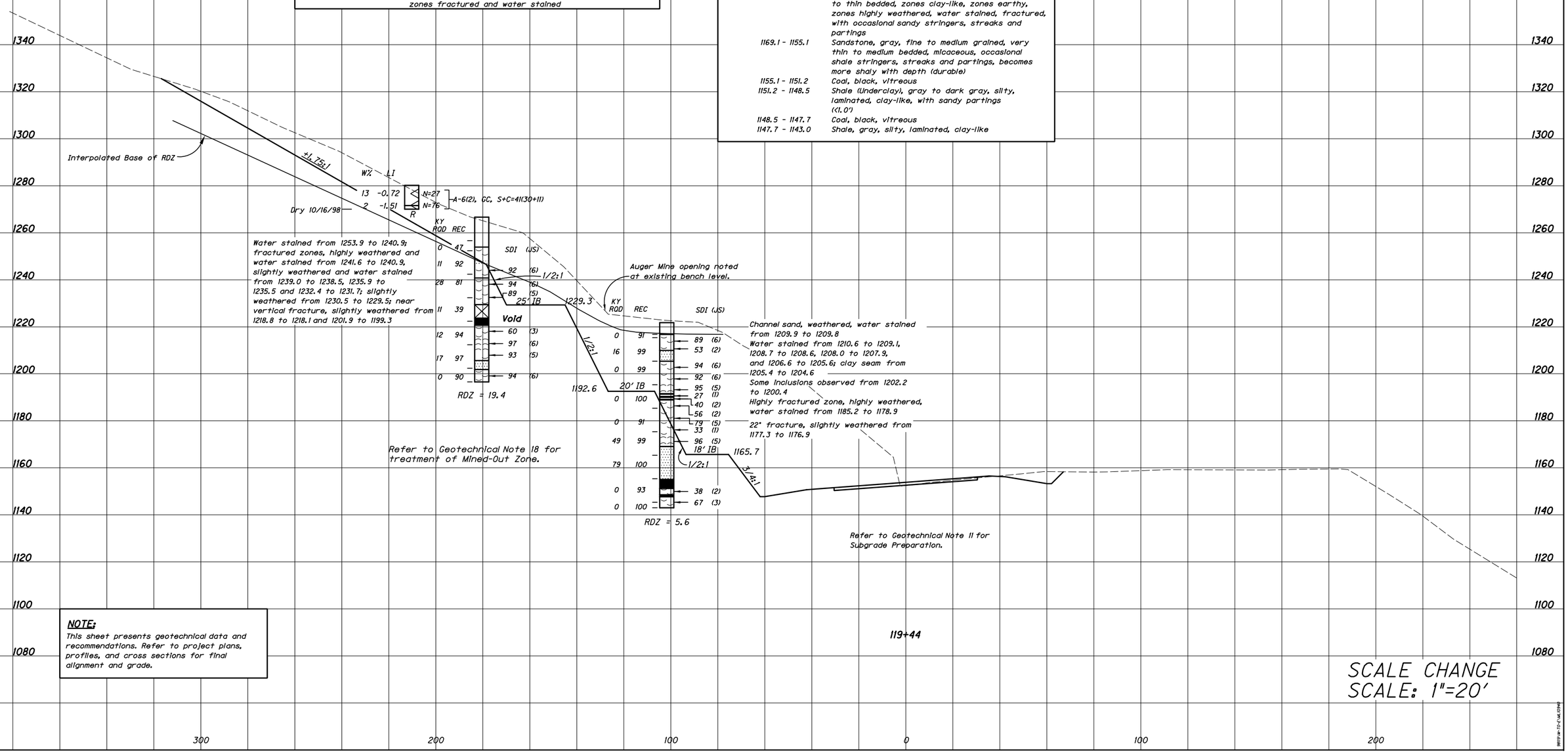
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R077

CUT LIMITS FROM •STATION 105+00 TO •STATION 137+81
CORE LOG Sta. 119+44, 180.4' Lt,

Elev.		
	1266.7 - 1253.9	Overburden
	1253.9 - 1240.8	Shale (89%) interbedded with Sandstone (11%). Shale is brown and gray, silty to sandy, laminated to thin bedded, with sandy stringers, streaks and partings. Sandstone is gray to light gray, fine grained, thin bedded
	1240.8 - 1229.5	Shale, gray and dark gray, silty to sandy, laminated to thin bedded, zones very sandy, with occasional sandy stringers and streaks, zones fractured
	1229.5 - 1223.7	**Void**
	1223.7 - 1220.6	Coal, (Hazard No. 7)
	1220.6 - 1205.6	Shale, light gray and gray, silty to sandy, laminated to thin bedded, zones very sandy, numerous sandy stringers, streaks and partings, zones carbonaceous
	1205.6 - 1201.9	Sandstone, gray, fine grained, thin bedded, with shale stringers, streaks and partings (durable)
	1201.9 - 1196.6	Shale, gray, silty to sandy, laminated to thin bedded, zones fractured and water stained

CORE LOG Sta. 119+44, 101.7' Lt,

Elev.		
	1221.8 - 1216.8	Overburden
	1216.8 - 1209.9	Shale, gray, silty to sandy, laminated to thin bedded, zones clay-like, with occasional sandy stringers, streaks and partings
	1209.9 - 1205.4	Sandstone, gray and brown, fine grained, very thin to thin bedded, micaceous, with occasional streaks and partings (durable)
	1205.4 - 1191.6	Shale, gray, silty to sandy, laminated to thin bedded, with numerous sandy stringers, streaks and partings
	1191.6 - 1191.4	Coal, black, vitreous
	1191.4 - 1190.4	Shale (Underclay), dark gray, silty, laminated, clay-like, carbonaceous
	1190.4 - 1190.1	Coal, black, vitreous
	1190.1 - 1189.1	Shale (Underclay), dark gray, silty, laminated, clay-like, carbonaceous
	1189.1 - 1188.9	Coal, black, vitreous
	1188.9 - 1169.1	Shale, gray and brown, silty to sandy, laminated to thin bedded, zones clay-like, zones earthy, zones highly weathered, water stained, fractured, with occasional sandy stringers, streaks and partings
	1169.1 - 1155.1	Sandstone, gray, fine to medium grained, very thin to medium bedded, micaceous, occasional shale stringers, streaks and partings, becomes more shaly with depth (durable)
	1155.1 - 1151.2	Coal, black, vitreous
	1151.2 - 1148.5	Shale (Underclay), gray to dark gray, silty, laminated, clay-like, with sandy partings (<1.0')
	1148.5 - 1147.7	Coal, black, vitreous
	1147.7 - 1143.0	Shale, gray, silty, laminated, clay-like



NOTE:
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SCALE CHANGE
SCALE: 1"=20'

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
FORM NO. 9

MAINLINE CUT STABILITY SECTION STATION 119+44

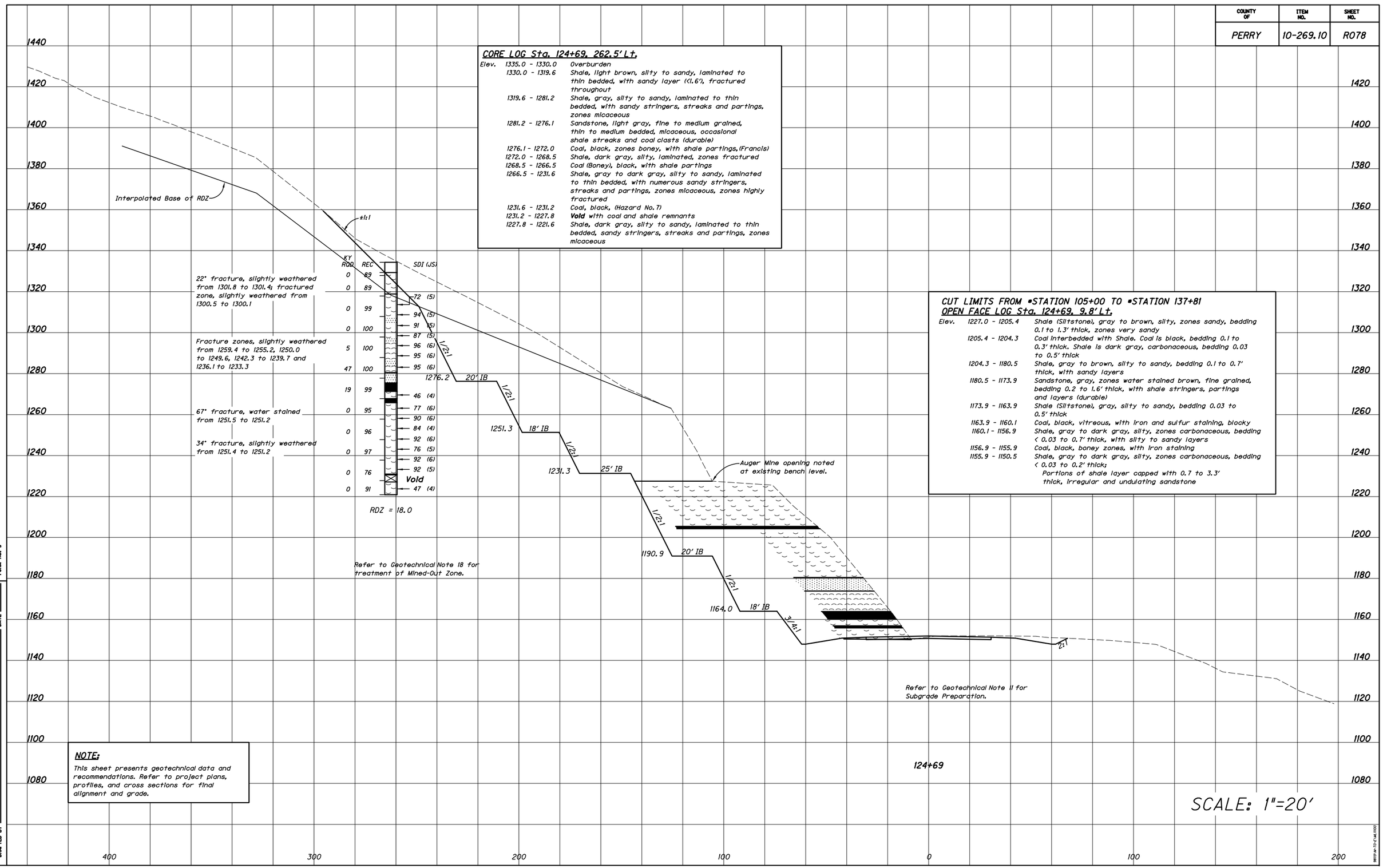
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R078

CORE LOG Sta. 124+69, 262.5' Lt.

Elev.		
1335.0 - 1330.0		Overburden
1330.0 - 1319.6		Shale, light brown, silty to sandy, laminated to thin bedded, with sandy layer (<1.6'), fractured throughout
1319.6 - 1281.2		Shale, gray, silty to sandy, laminated to thin bedded, with sandy stringers, streaks and partings, zones micaceous
1281.2 - 1276.1		Sandstone, light gray, fine to medium grained, thin to medium bedded, micaceous, occasional shale streaks and coal clasts (durable)
1276.1 - 1272.0		Coal, black, zones boney, with shale partings,(Francis)
1272.0 - 1268.5		Shale, dark gray, silty, laminated, zones fractured
1268.5 - 1266.5		Coal (Boney), black, with shale partings
1266.5 - 1231.6		Shale, gray to dark gray, silty to sandy, laminated to thin bedded, with numerous sandy stringers, streaks and partings, zones micaceous, zones highly fractured
1231.6 - 1231.2		Coal, black, (Hazard No. 7)
1231.2 - 1227.8		**Void** with coal and shale remnants
1227.8 - 1221.6		Shale, dark gray, silty to sandy, laminated to thin bedded, sandy stringers, streaks and partings, zones micaceous

CUT LIMITS FROM *STATION 105+00 TO *STATION 137+81
OPEN FACE LOG Sta. 124+69, 9.8' Lt.

Elev.	
1227.0 - 1205.4	Shale (Siltstone), gray to brown, silty, zones sandy, bedding 0.1 to 1.3' thick, zones very sandy
1205.4 - 1204.3	Coal interbedded with Shale. Coal is black, bedding 0.1 to 0.3' thick. Shale is dark gray, carbonaceous, bedding 0.03 to 0.5' thick
1204.3 - 1180.5	Shale, gray to brown, silty to sandy, bedding 0.1 to 0.7' thick, with sandy layers
1180.5 - 1173.9	Sandstone, gray, zones water stained brown, fine grained, bedding 0.2 to 1.6' thick, with shale stringers, partings and layers (durable)
1173.9 - 1163.9	Shale (Siltstone), gray, silty to sandy, bedding 0.03 to 0.5' thick
1163.9 - 1160.1	Coal, black, vitreous, with iron and sulfur staining, blocky
1160.1 - 1156.9	Shale, gray to dark gray, silty, zones carbonaceous, bedding < 0.03 to 0.7' thick, with silty to sandy layers
1156.9 - 1155.9	Coal, black, boney zones, with iron staining
1155.9 - 1150.5	Shale, gray to dark gray, silty, zones carbonaceous, bedding < 0.03 to 0.2' thick; Portions of shale layer capped with 0.7 to 3.3' thick, irregular and undulating sandstone



NOTE:

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SCALE: 1"=20'

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____

DRAFTED BY _____ DATE _____

FORM NO. 9

MAINLINE CUT STABILITY SECTION STATION 124+69

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R079

CUT LIMITS FROM *STATION 105+00 TO *STATION 137+81
CORE LOG Sta. 128+62, 164' Lt.

Elev.		
	1221.2 - 1217.2	Overburden
	1217.2 - 1189.4	Shale, gray to dark gray, silty to sandy, laminated to thin bedded, with numerous sandy stringers, streaks and partings
	1189.4 - 1189.0	Coal (Boney), black
	1189.0 - 1188.7	Shale, gray, silty, laminated
	1188.7 - 1188.4	Coal (Boney), black
	1188.4 - 1176.2	Shale, gray to light gray, silty to sandy, laminated to medium bedded, zones very silty, sandy stringers, streaks and partings
	1176.2 - 1170.3	Sandstone (61%) with interbedded Shale (39%). Sandstone is gray, fine to medium grained, medium bedded, regular bedding, micaceous, with shale stringers, streaks and partings. Shale is gray, silty, laminated, with occasional sandy stringers and streaks
	1170.3 - 1161.5	Shale, dark gray, silty, laminated, zones clay-like
	1161.5 - 1157.7	**Void**
	1157.7 - 1157.2	Coal, black (Hazard No. 5A)
	1157.2- 1152.8	Shale, dark gray to gray, silty to sandy, laminated to thin bedded, zones carbonaceous
	1152.8 - 1151.8	Coal (Boney), black
	1151.8 - 1139.6	Shale, dark gray, silty to sandy, laminated to thin bedded, with sandy stringers, streaks and partings

Interpolated Base of RDZ

KY ROD	REC	SDI	(JS)
		90	(5)
0	95		
0	92	78	(3)
18	100	90	(6)
		92	(6)
0	99	80	(5)
10	100	89	(4)
		98	(6)
27	100	96	(5)
		89	(5)
0	76	95	(5)
		Void	
		65	(2)
13	98	95	(5)
		93	(4)
9	98	73	(5)

RDZ = 5.3

2:1

1189.6

20' IB

1/2:1

1161.4

18' IB

3/4:1

Fracturing zones, slightly weathered from 1196.7 to 1196.3, 1186.5 to 1186.0 and 1151.6 to 1151.1

Slickensides noted from 1170.6 to 1170.3

Near vertical fracture, slightly weathered from 1170.1 to 1169.7

Refer to Geotechnical Note 18 for treatment of Mined-Out Zone.

Refer to Geotechnical Note 11 for Subgrade Preparation.

128+62

NOTE:
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SCALE: 1"=20'

1360 1340 1320 1300 1280 1260 1240 1220 1200 1180 1160 1140 1120 1100 1080 1060 1040

300 200 100 0 100 200

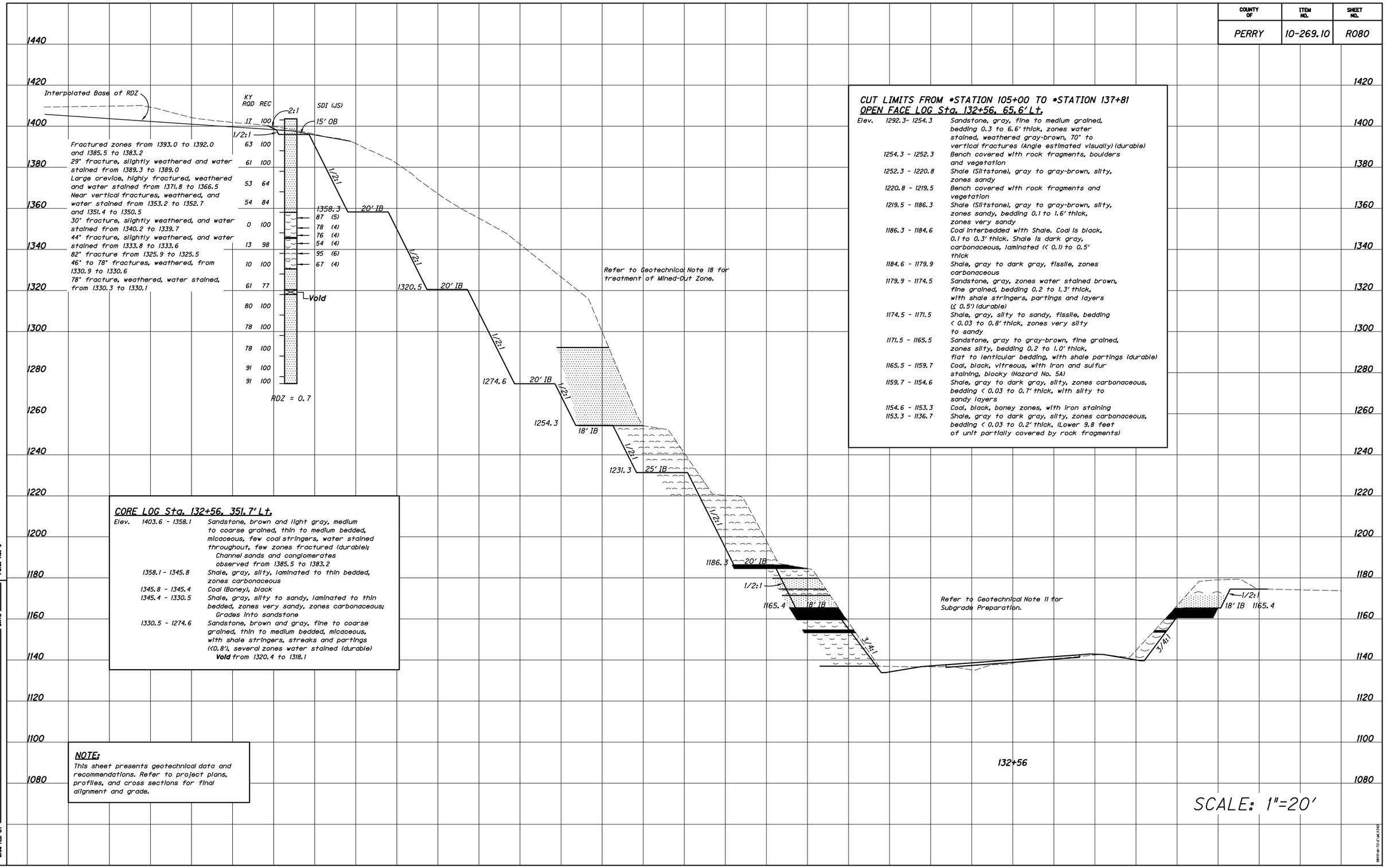
FORM NO. 9

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____

DRAFTED BY _____ DATE _____

MAINLINE CUT STABILITY SECTION STATION 128+62

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R080



CUT LIMITS FROM *STATION 105+00 TO *STATION 137+81
OPEN FACE LOG Sta. 132+56, 65.6' Lt.

Elev.	1292.3- 1254.3	Sandstone, gray, fine to medium grained, bedding 0.3 to 6.6' thick, zones water stained, weathered gray-brown, 70° to vertical fractures (Angle estimated visually) (durable)
	1254.3 - 1252.3	Bench covered with rock fragments, boulders and vegetation
	1252.3 - 1220.8	Shale (Siltstone), gray to gray-brown, silty, zones sandy
	1220.8 - 1219.5	Bench covered with rock fragments and vegetation
	1219.5 - 1186.3	Shale (Siltstone), gray to gray-brown, silty, zones sandy, bedding 0.1 to 1.6' thick, zones very sandy
	1186.3 - 1184.6	Coal interbedded with Shale. Coal is black, 0.1 to 0.3' thick. Shale is dark gray, carbonaceous, laminated (< 0.1) to 0.5' thick
	1184.6 - 1179.9	Shale, gray to dark gray, fissile, zones carbonaceous
	1179.9 - 1174.5	Sandstone, gray, zones water stained brown, fine grained, bedding 0.2 to 1.3' thick, with shale stringers, partings and layers (≤ 0.5') (durable)
	1174.5 - 1171.5	Shale, gray, silty to sandy, fissile, bedding < 0.03 to 0.8' thick, zones very silty to sandy
	1171.5 - 1165.5	Sandstone, gray to gray-brown, fine grained, zones silty, bedding 0.2 to 1.0' thick, flat to lenticular bedding, with shale partings (durable)
	1165.5 - 1159.7	Coal, black, vitreous, with iron and sulfur staining, blocky (Hazard No. 5A)
	1159.7 - 1154.6	Shale, gray to dark gray, silty, zones carbonaceous, bedding < 0.03 to 0.7' thick, with silty to sandy layers
	1154.6 - 1153.3	Coal, black, boney zones, with iron staining
	1153.3 - 1136.7	Shale, gray to dark gray, silty, zones carbonaceous, bedding < 0.03 to 0.2' thick, (Lower 9.8 feet of unit partially covered by rock fragments)

CORE LOG Sta. 132+56, 351.7' Lt.

Elev.	1403.6 - 1358.1	Sandstone, brown and light gray, medium to coarse grained, thin to medium bedded, micaceous, few coal stringers, water stained throughout, few zones fractured (durable); Channel sands and conglomerates observed from 1385.5 to 1383.2
	1358.1 - 1345.8	Shale, gray, silty, laminated to thin bedded, zones carbonaceous
	1345.8 - 1345.4	Coal (Boney), black
	1345.4 - 1330.5	Shale, gray, silty to sandy, laminated to thin bedded, zones very sandy, zones carbonaceous; Grades into sandstone
	1330.5 - 1274.6	Sandstone, brown and gray, fine to coarse grained, thin to medium bedded, micaceous, with shale stringers, streaks and partings (<0.8'), several zones water stained (durable) **Void** from 1320.4 to 1318.1

NOTE:
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SCALE: 1"=20'

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
FORM NO. 9

MAINLINE CUT STABILITY SECTION STATION 132+56

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R081

CUT LIMITS FROM *STATION 142+07 TO *STATION 144+37

CORE LOG Sta. 142+66.2, 131.2' Rt.

Elev.		
1136.1 - 1121.2	Soil overburden - (FIII) Augered
1121.2 - 1109.2	Sandstone boulders - (FIII) Cored
1109.2 - 1092.9	Soil and sandstone boulders - (FIII) Augered

Sta. 142+66.2
131.2' Rt.

Sta. 142+66.2
173.9' Rt.

W%
T2
N=13, S+C=0
Dry
10/16/98
R
KY
RQD REC
0
0
16
8
2:1
R

Refer to Geotechnical Note 11 for Subgrade Preparation.

142+40

NOTE:
This sheet presents geotechnical data and recommendations. Refer to project plans, profiles, and cross sections for final alignment and grade.

SCALE: 1"=20'

1300 1280 1260 1240 1220 1200 1180 1160 1140 1120 1100 1080 1060 1040 1020 1000

300 200 100 0 100 200 300

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____

DRAFTED BY _____ DATE _____

FORM NO. 9

MAINLINE CUT STABILITY SECTION STATION 142+40

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R082

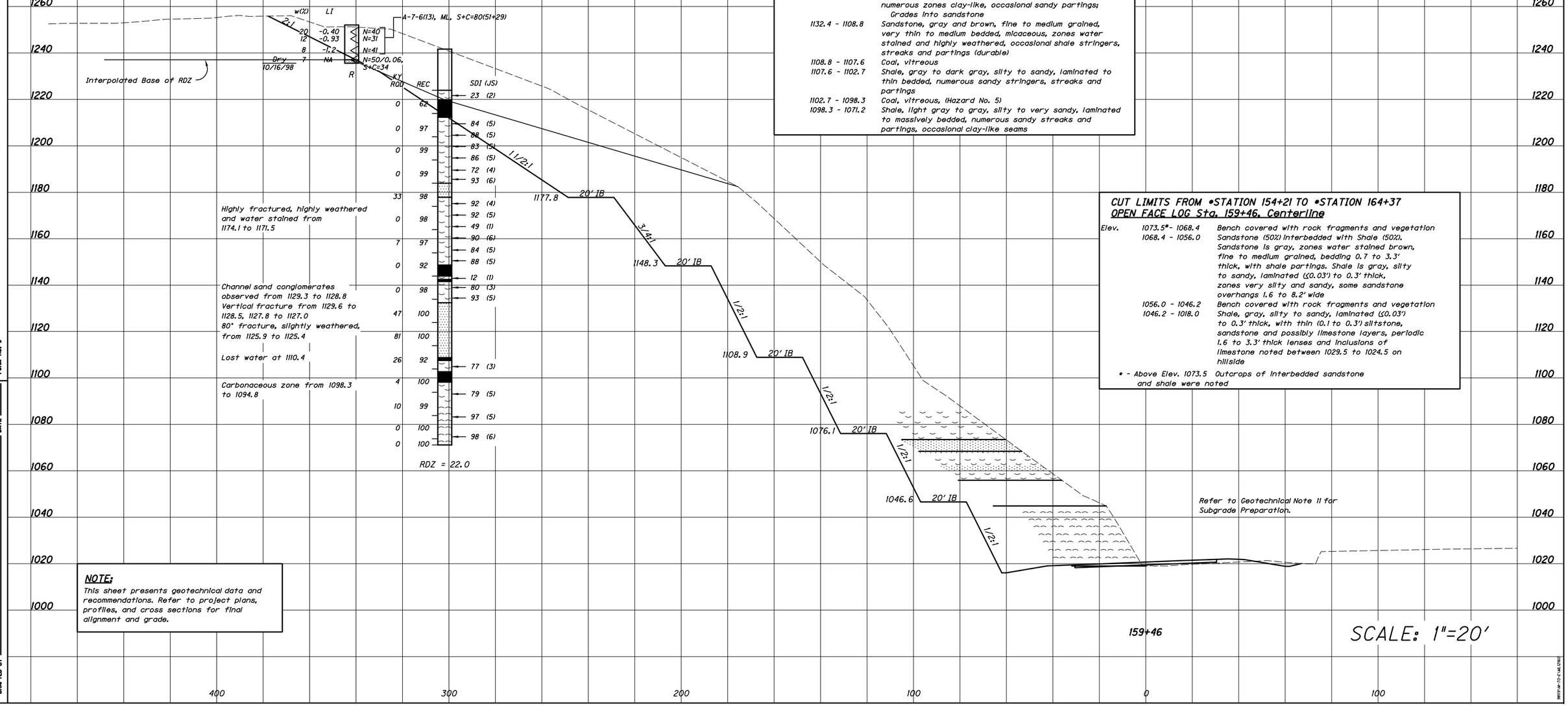
CORE LOG Sta. 159+46, 301.8' Lt.

Elev.		
	1241.7 - 1223.9	Overburden
	1223.9 - 1219.8	Shale, gray and brown, silty, laminated to thin bedded, clay-like
	1219.8 - 1212.3	Coal, vitreous, (Hazard No. 7)
	1212.3 - 1183.9	Shale, gray and brown, silty to sandy, laminated to thin bedded, zones sandy (≤1.6'), numerous sandy streaks, stringers, streaks and partings, zones water stained and highly weathered
	1183.9 - 1177.9	Sandstone, light gray, fine to medium grained, thin to medium bedded, micaceous, occasional shale streaks (durable); Grades quickly into shale
	1177.9 - 1148.7	Shale, gray and brown, silty to sandy, laminated to thin bedded, zones sandy (≤0.5'), zones carbonaceous (≤0.3'), zones water stained and highly weathered, zones fractured, numerous zones clay-like, occasional sandy streaks and partings
	1148.7 - 1143.9	Coal, vitreous, (Hazard No. 5A)
	1143.9 - 1142.5	Shale (Underclay), gray to light gray, silty, laminated to thin bedded, clay-like
	1142.5 - 1141.6	Coal (Boney)
	1141.6 - 1132.4	Shale, gray, silty to sandy, laminated to thin bedded, numerous zones clay-like, occasional sandy partings; Grades into sandstone
	1132.4 - 1108.8	Sandstone, gray and brown, fine to medium grained, very thin to medium bedded, micaceous, zones water stained and highly weathered, occasional shale stringers, streaks and partings (durable)
	1108.8 - 1107.6	Coal, vitreous
	1107.6 - 1102.7	Shale, gray to dark gray, silty to sandy, laminated to thin bedded, numerous sandy stringers, streaks and partings
	1102.7 - 1098.3	Coal, vitreous, (Hazard No. 5)
	1098.3 - 1071.2	Shale, light gray to gray, silty to very sandy, laminated to massively bedded, numerous sandy streaks and partings, occasional clay-like seams

CUT LIMITS FROM *STATION 154+21 TO *STATION 164+37
OPEN FACE LOG Sta. 159+46, Centerline

Elev.		
	1073.5*- 1068.4	Bench covered with rock fragments and vegetation
	1068.4 - 1056.0	Sandstone (50%) interbedded with Shale (50%). Sandstone is gray, zones water stained brown, fine to medium grained, bedding 0.7 to 3.3' thick, with shale partings. Shale is gray, silty to sandy, laminated (≤0.03') to 0.3' thick, zones very silty and sandy, some sandstone overhangs 1.6 to 8.2' wide
	1056.0 - 1046.2	Bench covered with rock fragments and vegetation
	1046.2 - 1018.0	Shale, gray, silty to sandy, laminated (≤0.03') to 0.3' thick, with thin (0.1 to 0.3') siltstone, sandstone and possibly limestone layers, periodic 1.6 to 3.3' thick lenses and inclusions of limestone noted between 1029.5 to 1024.5 on hillside

* - Above Elev. 1073.5 Outcrops of interbedded sandstone and shale were noted



NOTE:
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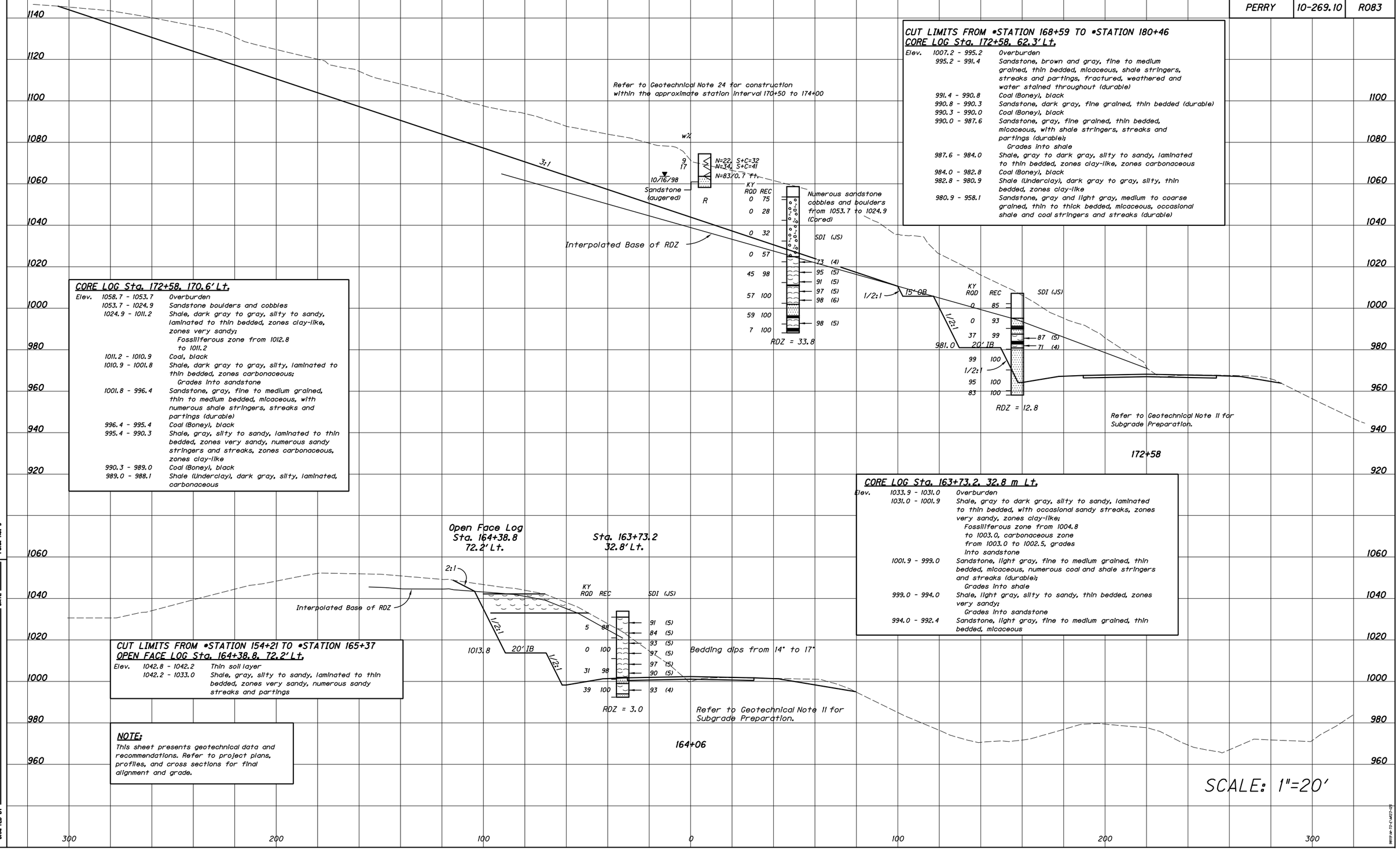
SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
FORM NO. 9

MAINLINE CUT STABILITY SECTION STATION 159+46

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R083



CUT LIMITS FROM *STATION 168+59 TO *STATION 180+46
CORE LOG Sta. 172+58, 62.3' Lt.

Elev.	1007.2 - 995.2	Overburden
	995.2 - 991.4	Sandstone, brown and gray, fine to medium grained, thin bedded, micaceous, shale stringers, streaks and partings, fractured, weathered and water stained throughout (durable)
	991.4 - 990.8	Coal (Boney), black
	990.8 - 990.3	Sandstone, dark gray, fine grained, thin bedded (durable)
	990.3 - 990.0	Coal (Boney), black
	990.0 - 987.6	Sandstone, gray, fine grained, thin bedded, micaceous, with shale stringers, streaks and partings (durable); Grades into shale
	987.6 - 984.0	Shale, gray to dark gray, silty to sandy, laminated to thin bedded, zones clay-like, zones carbonaceous
	984.0 - 982.8	Coal (Boney), black
	982.8 - 980.9	Shale (Underclay), dark gray to gray, silty, thin bedded, zones clay-like
	980.9 - 958.1	Sandstone, gray and light gray, medium to coarse grained, thin to thick bedded, micaceous, occasional shale and coal stringers and streaks (durable)

CORE LOG Sta. 172+58, 170.6' Lt.

Elev.	1058.7 - 1053.7	Overburden
	1053.7 - 1024.9	Sandstone boulders and cobbles
	1024.9 - 1011.2	Shale, dark gray to gray, silty to sandy, laminated to thin bedded, zones clay-like, zones very sandy; Fossiliferous zone from 1012.8 to 1011.2
	1011.2 - 1010.9	Coal, black
	1010.9 - 1001.8	Shale, dark gray to gray, silty, laminated to thin bedded, zones carbonaceous; Grades into sandstone
	1001.8 - 996.4	Sandstone, gray, fine to medium grained, thin to medium bedded, micaceous, with numerous shale stringers, streaks and partings (durable)
	996.4 - 995.4	Coal (Boney), black
	995.4 - 990.3	Shale, gray, silty to sandy, laminated to thin bedded, zones very sandy, numerous sandy stringers and streaks, zones carbonaceous, zones clay-like
	990.3 - 989.0	Coal (Boney), black
	989.0 - 988.1	Shale (Underclay), dark gray, silty, laminated, carbonaceous

CORE LOG Sta. 163+73.2, 32.8 m Lt.

Elev.	1033.9 - 1031.0	Overburden
	1031.0 - 1001.9	Shale, gray to dark gray, silty to sandy, laminated to thin bedded, with occasional sandy streaks, zones very sandy, zones clay-like; Fossiliferous zone from 1004.8 to 1003.0, carbonaceous zone from 1003.0 to 1002.5, grades into sandstone
	1001.9 - 999.0	Sandstone, light gray, fine to medium grained, thin bedded, micaceous, numerous coal and shale stringers and streaks (durable); Grades into shale
	999.0 - 994.0	Shale, light gray, silty to sandy, thin bedded, zones very sandy; Grades into sandstone
	994.0 - 992.4	Sandstone, light gray, fine to medium grained, thin bedded, micaceous

CUT LIMITS FROM *STATION 154+21 TO *STATION 165+37
OPEN FACE LOG Sta. 164+38.8, 72.2' Lt.

Elev.	1042.8 - 1042.2	Thin soil layer
	1042.2 - 1033.0	Shale, gray, silty to sandy, laminated to thin bedded, zones very sandy, numerous sandy streaks and partings

NOTE:
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SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
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MAINLINE CUT STABILITY SECTIONS STATION 164+06 AND STATION 172+58

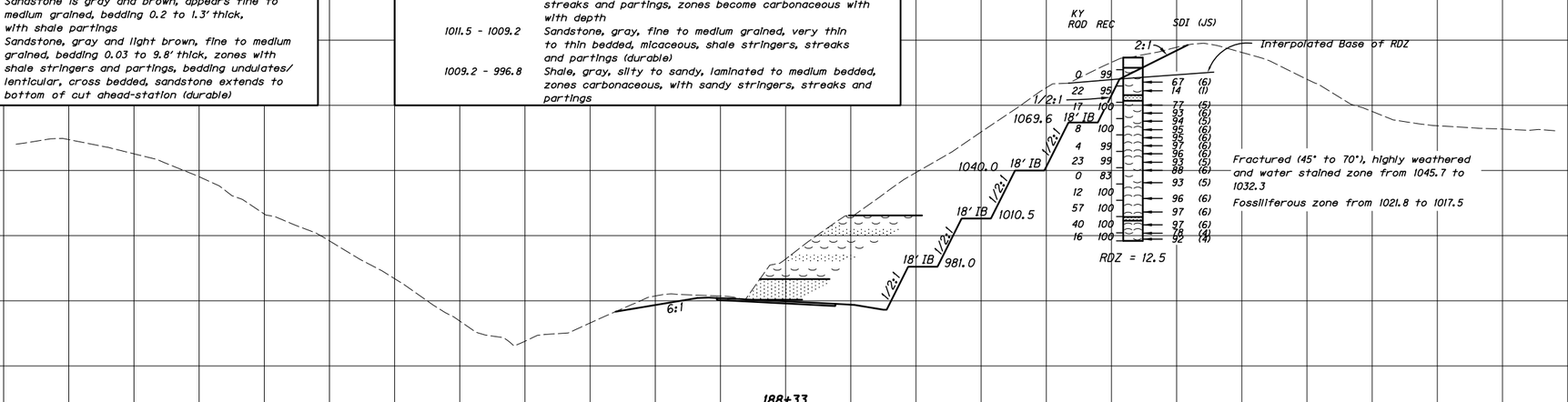
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R084

CUT LIMITS FROM *STATION 184+72 TO *STATION 195+55
OPEN FACE LOG Sta. 188+33, 62.3' Rt.

Elev.		
	1029.7 - 1012.5	Covered by soil and vegetation
	1012.5 - 973.4	Covered with vegetation, soil and rock debris, projections from adjoining area indicates; Shale interbedded with Sandstone. Shale is gray and brown, silty to sandy, bedding <0.03 to 1.0' thick, zones very silty to sandy. Sandstone is gray and brown, appears fine to medium grained, bedding 0.2 to 1.3' thick, with shale partings
	973.4 - 960.6	Sandstone, gray and light brown, fine to medium grained, bedding 0.03 to 9.8' thick, zones with shale stringers and partings, bedding undulates/ lenticular, cross bedded, sandstone extends to bottom of cut ahead-station (durable)

CORE LOG Sta. 188+33, 213.3' Rt.

Elev.		
	1109.4 - 1103.2	Overburden
	1103.2 - 1086.3	Shale, brown and gray, silty to sandy, laminated to thin bedded, zones clay-like, zones weathered and water stained (Augered to 1101.9)
	1086.3 - 1082.8	Sandstone, gray, fine grained, thin bedded, micaceous (durable)
	1082.8 - 1011.5	Shale, gray, silty to sandy, laminated to thin bedded, zones clay-like, zones very sandy, with sandy stringers, streaks and partings, zones become carbonaceous with with depth
	1011.5 - 1009.2	Sandstone, gray, fine to medium grained, very thin to thin bedded, micaceous, shale stringers, streaks and partings (durable)
	1009.2 - 996.8	Shale, gray, silty to sandy, laminated to medium bedded, zones carbonaceous, with sandy stringers, streaks and partings

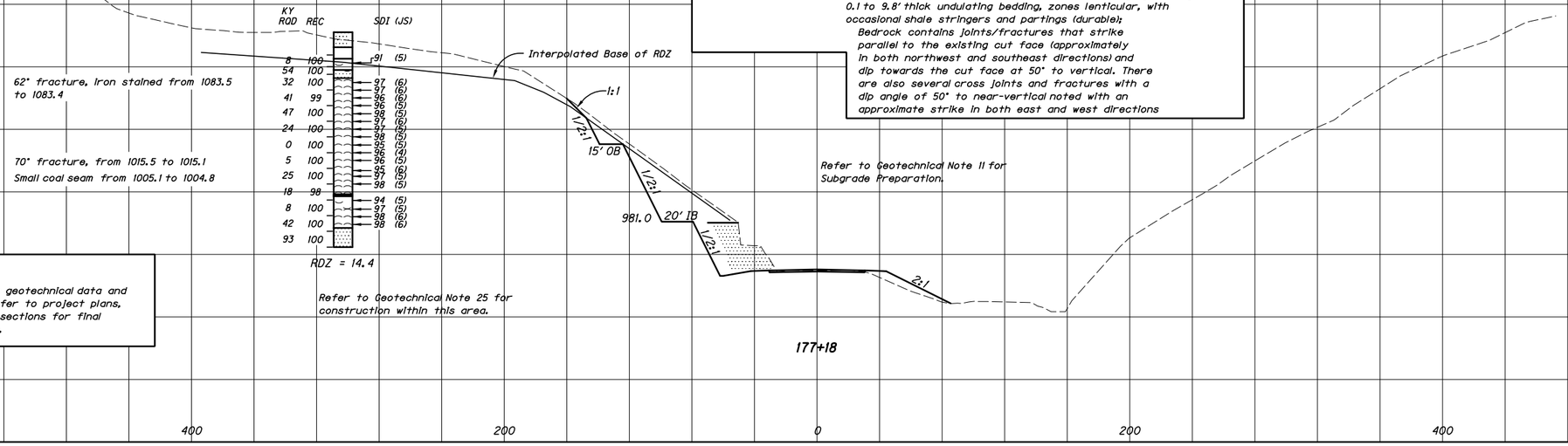


CORE LOG Sta. 177+18, 303.1' Lt.

Elev.		
	1102.2 - 1087.7	Overburden
	1087.7 - 1085.2	Sandstone, light brown to light gray, fine grained, very thin bedded, weathered, water stained, micaceous, with coal stringers (durable)
	1085.2 - 1078.1	Shale, gray to dark gray, silty, very thin bedded, slightly weathered
	1078.1 - 1072.8	Sandstone, light gray to gray, very fine to medium grained, very thin to thin bedded, micaceous (durable)
	1072.8 - 998.5	Shale (Siltstone), light gray to dark gray, silty to sandy, very thin to thin bedded, zones with carbonaceous particles in matrix, micaceous
	998.5 - 997.7	Coal (Boney), black
	997.7 - 997.2	Shale (Underclay), gray, silty, laminated, clay-like
	997.2 - 977.0	Shale, light gray to dark gray, silty to sandy, very thin to thin bedded, with occasional coal stringers and partings between 997.5 to 992.3
	977.0 - 964.7	Sandstone, light gray to gray, fine to coarse grained, thin bedded, micaceous, coal partings (durable)

CUT LIMITS FROM *STATION 168+65 TO *STATION 180+46
OPEN FACE LOG Sta. 177+18, 26.2' Lt.

Elev.		
	981.8 - 980.3	Soil layer
	980.3 - 948.5	Sandstone, gray, weathered on surface to dark gray, fine grained, 0.1 to 9.8' thick undulating bedding, zones lenticular, with occasional shale stringers and partings (durable); Bedrock contains joints/fractures that strike parallel to the existing cut face (approximately in both northwest and southeast directions) and dip towards the cut face at 50° to vertical. There are also several cross joints and fractures with a dip angle of 50° to near-vertical noted with an approximate strike in both east and west directions



NOTE:
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SCALE CHANGE
SCALE: 1"=40'

1160 1120 1080 1040 1000 960 920 880

600 400 200 0 200 400 600

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SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____

DRAFTED BY _____ DATE _____

MAINLINE CUT STABILITY SECTIONS STATION 177+18 AND STATION 188+33

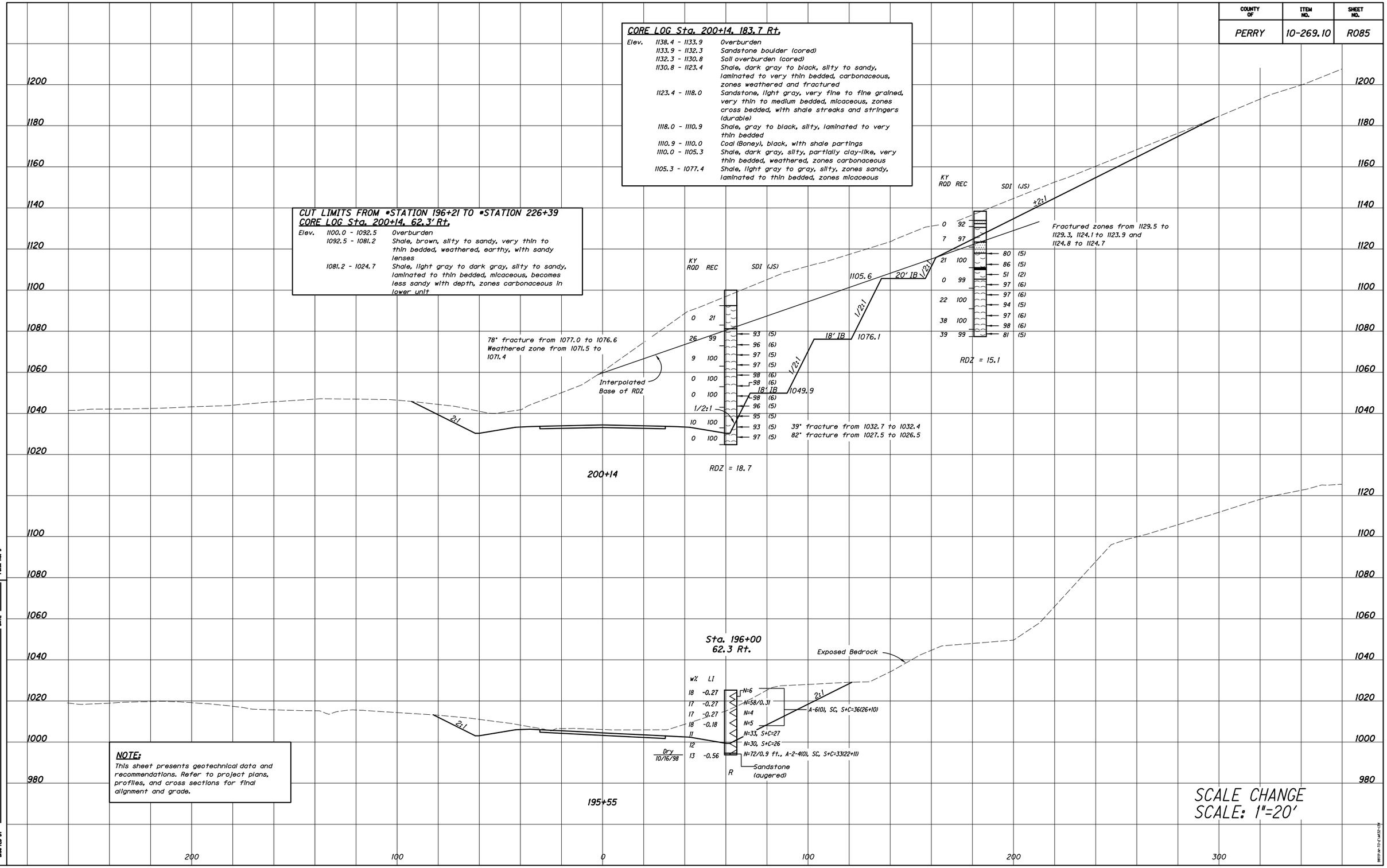
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R085

CORE LOG Sta. 200+14, 183.7 Rt.

Elev.		
1138.4 - 1133.9		Overburden
1133.9 - 1132.3		Sandstone boulder (cored)
1132.3 - 1130.8		Soil overburden (cored)
1130.8 - 1123.4		Shale, dark gray to black, silty to sandy, laminated to very thin bedded, carbonaceous, zones weathered and fractured
1123.4 - 1118.0		Sandstone, light gray, very fine to fine grained, very thin to medium bedded, micaceous, zones cross bedded, with shale streaks and stringers (durable)
1118.0 - 1110.9		Shale, gray to black, silty, laminated to very thin bedded
1110.9 - 1110.0		Coal (Boney), black, with shale partings
1110.0 - 1105.3		Shale, dark gray, silty, partially clay-like, very thin bedded, weathered, zones carbonaceous
1105.3 - 1077.4		Shale, light gray to gray, silty, zones sandy, laminated to thin bedded, zones micaceous

CUT LIMITS FROM *STATION 196+21 TO *STATION 226+39
CORE LOG Sta. 200+14, 62.3' Rt.

Elev.		
1100.0 - 1092.5		Overburden
1092.5 - 1081.2		Shale, brown, silty to sandy, very thin to thin bedded, weathered, earthy, with sandy lenses
1081.2 - 1024.7		Shale, light gray to dark gray, silty to sandy, laminated to thin bedded, micaceous, becomes less sandy with depth, zones carbonaceous in lower unit



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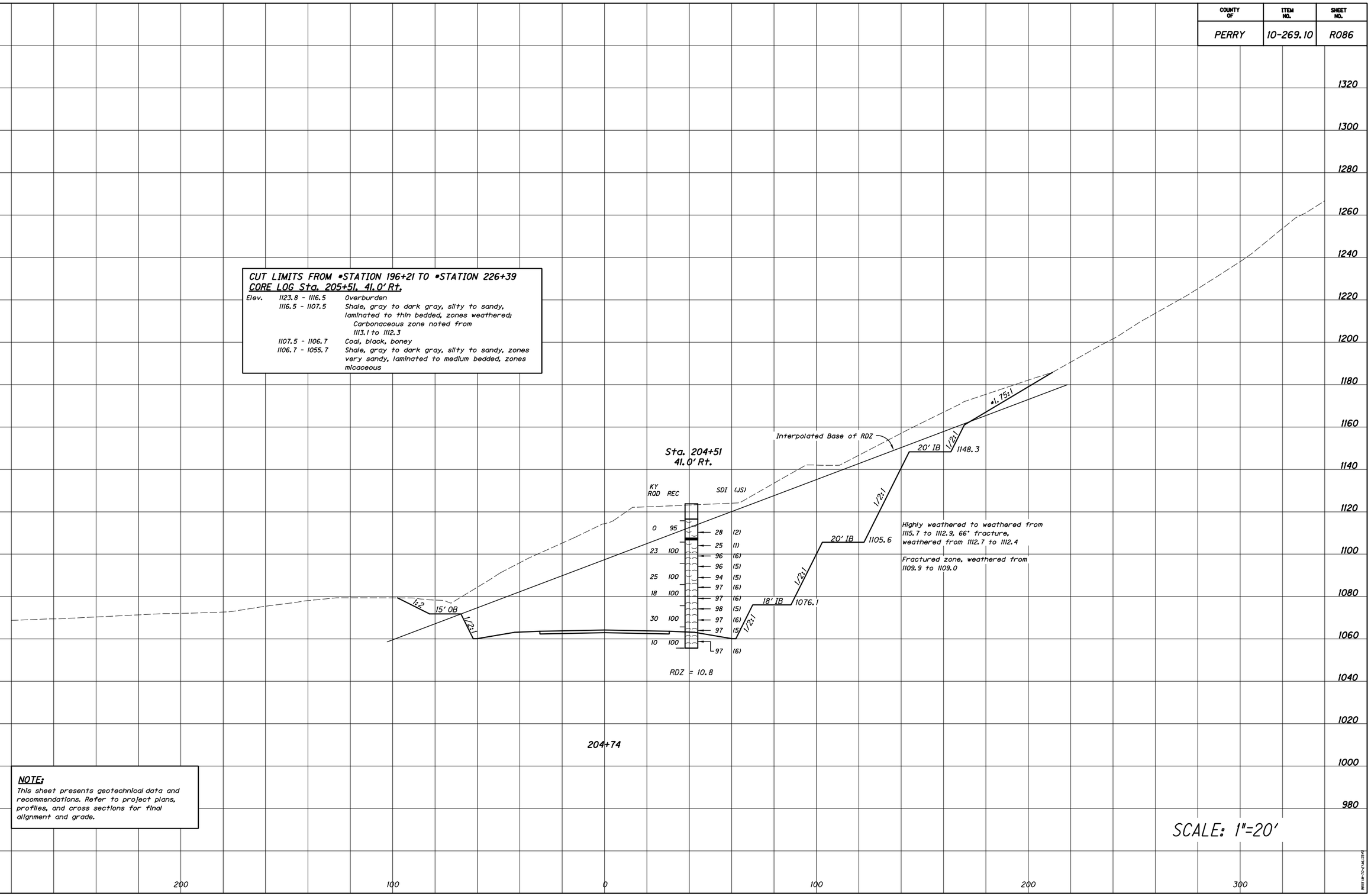
DATE
DATE
SOILS AND SUBSURFACE INVESTIGATION BY
DRAFTED BY

MAINLINE CUT STABILITY SECTIONS STATION 195+55 AND STATION 200+14

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R086

CUT LIMITS FROM ℓSTATION 196+21 TO ℓSTATION 226+39
CORE LOG Sta. 205+51, 41.0' Rt.

Elev.		
1123.8 - 1116.5		Overburden
1116.5 - 1107.5		Shale, gray to dark gray, silty to sandy, laminated to thin bedded, zones weathered; Carbonaceous zone noted from 1113.1 to 1112.3
1107.5 - 1106.7		Coal, black, boney
1106.7 - 1055.7		Shale, gray to dark gray, silty to sandy, zones very sandy, laminated to medium bedded, zones micaceous



NOTE:
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SCALE: 1"=20'

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
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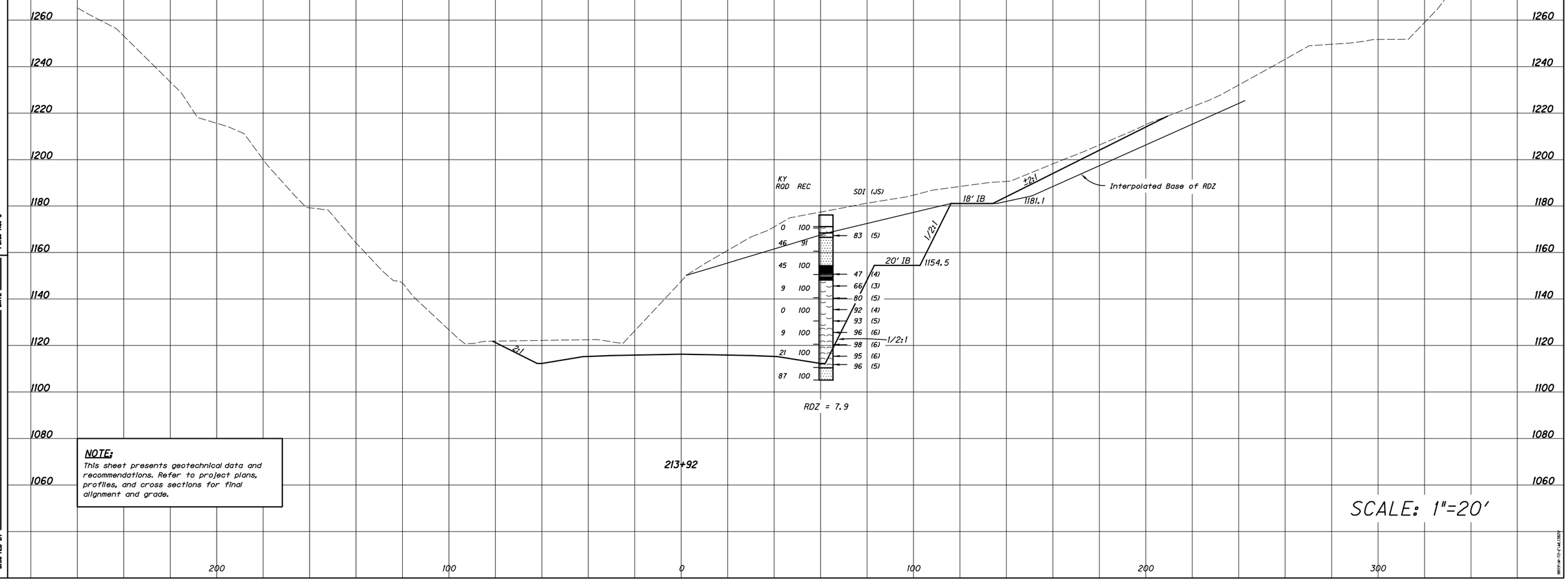
MAINLINE CUT STABILITY SECTION STATION 204+74

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R087

CUT LIMITS FROM *STATION 213+92 TO *STATION 226+39

CORE LOG Sta. 213+92, 62.3' Rt.

Elev.		
	1176.0 - 1171.1	Overburden
	1171.1 - 1168.4	Shale, brown to gray, silty, thin bedded, weathered, zones earthy
	1168.4 - 1166.6	Shale, light gray to dark gray, silty to sandy, very thin bedded, micaceous
	1166.6 - 1153.4	Sandstone, light gray to gray, fine to medium grained, thin bedded, micaceous, with shale stringers (durable)
	1153.4 - 1151.0	Coal, black
	1151.0 - 1150.4	Shale (Underclay), light gray to gray, silty, thin bedded
	1150.4 - 1149.5	Sandstone, light gray to gray, fine grained, thin bedded (durable)
	1149.5 - 1148.1	Coal, black, boney zones
	1148.1 - 1110.4	Shale, light gray to dark gray, silty to sandy, very thin to thin bedded, weathered zones, carbonaceous zones, sandy zones
	1110.4 - 1105.1	Sandstone, light gray to light brown, fine to medium grained, thin bedded, micaceous, zones water stained (durable)



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SCALE: 1"=20'

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
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MAINLINE CUT STABILITY SECTION STATION 213+92

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R088

CUT LIMITS FROM *STATION 196+21 TO *STATION 226+39
OPEN FACE LOG Sta. 217+86, Centerline

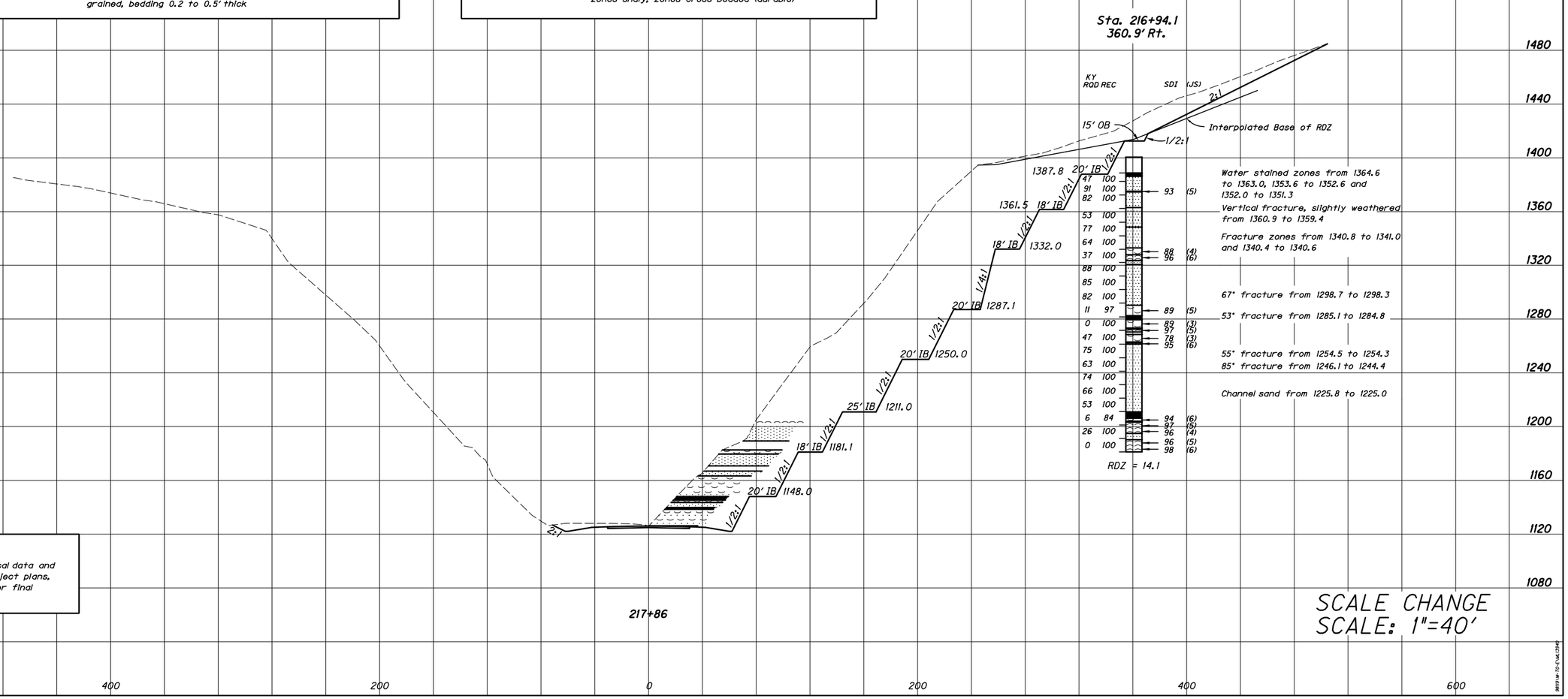
Elev.		
1214.0 - 1209.1		Vegetative covered bench
1209.1 - 1191.9		Sandstone, gray, fine to medium grained, bedding 0.2 to 4.9' thick, irregular/undulating bedding, shaly zones and layers (durable)
1191.0 - 1183.7		Vegetative covered bench
1183.7 - 1179.6		Shale (Siltstone), gray, silty to sandy, fissile (≤0.2'), with sandy layers throughout
1179.6 - 1170.8		Sandstone, gray, bedding 0.2 to 1.6' thick (durable)
1170.8 - 1167.0		Bench zone covered with vegetation and rock fill material
1167.0 - 1163.4		Sandstone, gray to gray-brown, fine grained, zones silty, bedding 0.1 to 1.0' thick, with shale stringers and partings, interbedded shale layers and zones (≤4.9) (durable)
1163.4 - 1150.9		Shale, gray to dark gray, silty to sandy, zones fissile, bedding <0.03 to 0.3' thick, with sandy layers (≤1.0'); Zone partially vegetated, covered by rock fragments
1150.9 - 1148.0		Sandstone, gray, bedding 0.2 to 0.7' thick, near vertical sandstone ledges 1.6 to 4.9' thick above coal (durable)
1148.0 - 1145.3		Coal, black, vitreous, (Hazard No. 5A)
1145.3 - 1143.6		Shale, gray to dark gray, silty to sandy, fissile, bedding <0.03 to 0.3' thick, zones carbonaceous, with sandy layers (≤0.8')
1143.6 - 1139.9		Sandstone, gray to dark gray, fine to medium grained, bedding 0.1 to 0.5' thick, with shale partings (durable)
1139.9 - 1138.5		Coal, black, vitreous, with shale partings
1138.5 - 1126.1		Shale (70%) interbedded with Sandstone (30%). Shale is gray to dark gray, weathered brown, silty to sandy, bedding <0.03 to 0.7' thick, fissile, zones carbonaceous. Sandstone is gray and brown, fine grained, bedding 0.2 to 0.5' thick

CORE LOG Sta. 216+94.1, 360.9' Rt.

Elev.		
1400.5 - 1388.7		Overburden
1388.7 - 1388.1		Shale, brown to black, silty, very thin bedded, earthy, weathered
1388.1 - 1386.9		Coal, black, with shale partings, weathered
1386.9 - 1386.3		Shale (Underclay), gray, clayey to sandy, thin bedded, micaceous
1386.3 - 1375.1		Sandstone, gray, fine to coarse grained, thin to medium bedded, micaceous with shale stringers (durable)
1375.1 - 1374.6		Shale, gray to dark gray, silty, laminated to very thin bedded, micaceous
1374.6 - 1363.1		Sandstone, light gray to gray, very thin to thin bedded, micaceous, zones cross bedded, with shale stringers (durable)
1363.1 - 1345.2		Sandstone, light brown to brown, medium to coarse grained, thin to thick bedded, micaceous, water stained, wavy bedded, zones cross bedded (durable)
1345.2 - 1329.7		Sandstone, gray, medium to coarse grained, thin to medium bedded, micaceous, with coal stringers and clasts (durable); Channel sand with shale clasts noted from 1338.4 to 1333.0
1329.7 - 1324.7		Shale, dark gray to black, silty, laminated to very thin bedded
1324.7 - 1320.2		Shale, light gray to gray, silty, laminated to thin bedded
1320.2 - 1317.3		Sandstone, light gray to gray, thin bedded, very fine to medium grained, zones water stained, shale stringers and partings (durable)
1317.3 - 1287.0		Sandstone, light gray to brown, thin bedded, medium to coarse grained, zones water stained, micaceous, zones shaly, zones cross bedded (durable)

CORE LOG Sta. 216+94.1, 360.9' Rt. (Continued)

Elev.		
1287.0 - 1282.6		Shale, dark gray to gray, laminated to very thin bedded, silty, with coal stringers
1282.6 - 1279.5		Coal (65%) interbedded with Shale (35%). Coal is black, fractured, zones boney. Shale is dark gray to black, carbonaceous
1279.5 - 1273.4		Shale, gray to dark gray, silty, laminated to thin bedded, zones carbonaceous
1273.4 - 1272.5		Coal, black, zones boney
1272.5 - 1270.4		Shale, dark gray to gray, silty, thin bedded
1270.4 - 1268.6		Sandstone, light gray to gray, fine grained, thin bedded micaceous (durable)
1268.6 - 1263.0		Shale, dark gray to light gray, silty, very thin bedded
1263.0 - 1262.3		Sandstone, light gray, fine grained, thin bedded, micaceous (durable)
1262.3 - 1261.3		Shale, light gray, silty, very thin bedded
1261.3 - 1211.0		Sandstone, light gray to gray, fine to coarse grained, thin to very thin bedded, zones cross bedded, micaceous, with occasional coal stringers and partings (durable)
1211.0 - 1206.3		Coal, black, zones boney, (Hazard No. 7)
1206.3 - 1204.0		Shale (Underclay), light gray to gray, clayey, zones silty, very thin bedded
1204.0 - 1203.4		Sandstone, gray, fine grained, very thin bedded, micaceous (durable)
1203.4 - 1194.9		Shale, gray to dark gray, silty to sandy, laminated to very thin bedded
1194.9 - 1190.4		Sandstone, light gray to gray, fine grained, thin bedded, shale stringers (durable)
1190.4 - 1181.3		Shale, gray to dark gray, silty, very thin bedded



NOTE:
This sheet presents geotechnical data and recommendations. Refer to project plans, profiles, and cross sections for final alignment and grade.

SCALE CHANGE
SCALE: 1"=40'

FORM NO. 9
SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____

MAINLINE CUT STABILITY SECTION STATION 217+86

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R089

CUT LIMITS FROM •STATION 196+21 TO •STATION 226+39

CORE LOG Sta. 223+11, 111.5' Rt.

Elev.		
1158.7 - 1138.6		Overburden
1138.6 - 1136.2		Shale, gray, silty, clay-like, (augered)
1136.2 - 1133.4		Coal
1133.4 - 1132.4		Shale (Underclay), gray, silty, laminated to thin bedded, clay-like, carbonaceous
1132.4 - 1131.1		Sandstone, gray, fine grained, thin bedded, occasional shale stringers and streaks (durable)
1131.1 - 1128.3		Coal
1128.3 - 1116.1		Shale, gray, silty to sandy, laminated to thin bedded, zones clay-like, zones very sandy, occasional sandstone stringers, streaks and partings

Sta. 222+68
144.4' Rt.

w(%)	LI	
12	-0.43	N=21
11	-0.50	N=14
15	-0.21	N=19
11	-0.50	N=11
5		N=R/0.1 ft.

A-6(3), SC, S+C=44(29+15)

10/16/98

R

KY ROD REC

2:1

5 92

0 100

SDI (JS)
23 (2)
88 (5)
96 (6)

RDZ = 26.2

Interpolated Base of RDZ

2:1

223+11

NOTE:
This sheet presents geotechnical data and recommendations. Refer to project plans, profiles, and cross sections for final alignment and grade.

SCALE CHANGE
SCALE: 1"=20'

1300 1280 1260 1240 1220 1200 1180 1160 1140 1120 1100 1080 1060 1040 1020

200 100 0 100 200 300

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____
FORM NO. 9

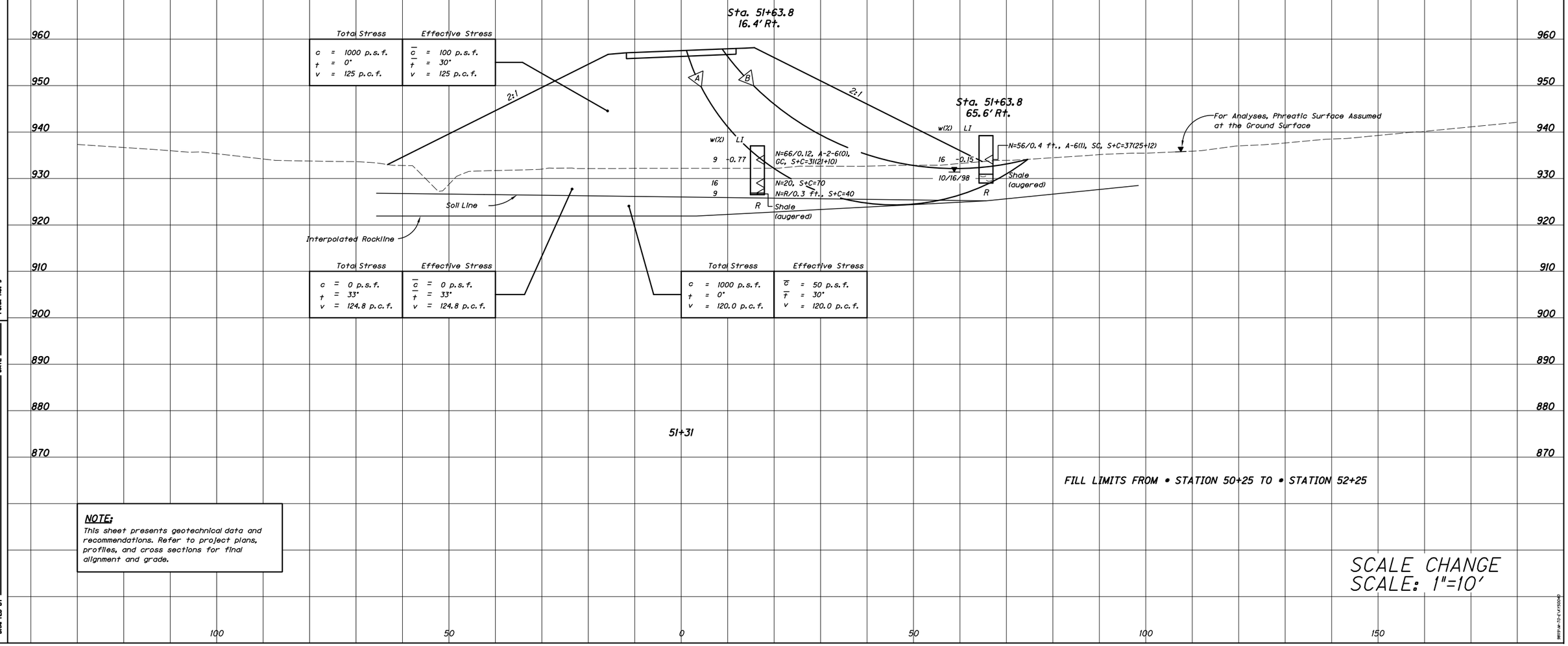
MAINLINE CUT STABILITY SECTION STATION 223+11

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R090

FACTORS OF SAFETY

A Short Term (Rotational) 2.1

B Long Term (Rotational) 1.7



FILL LIMITS FROM • STATION 50+25 TO • STATION 52+25

NOTE:
This sheet presents geotechnical data and recommendations. Refer to project plans, profiles, and cross sections for final alignment and grade.

SCALE CHANGE
SCALE: 1"=10'

FORM NO. 9

SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____

DRAFTED BY _____ DATE _____

KY 267 NORTH, EMBANKMENT STABILITY SECTION STATION 51+31

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R091

CUT LIMITS FROM •STATION 51+64 TO •STATION 60+82
CORE LOG Sta. 54+59, 23.0' Rt.

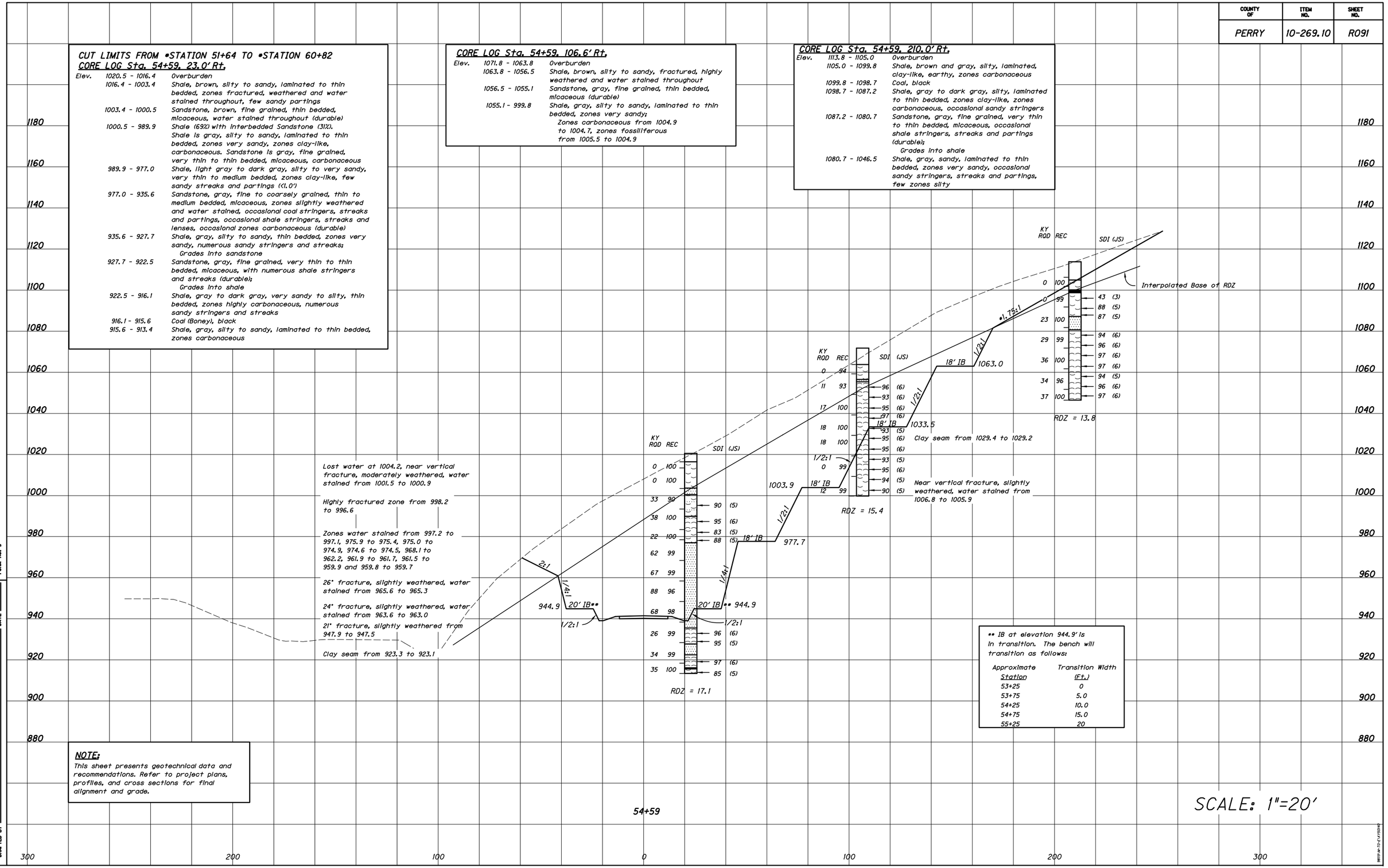
Elev.		
	1020.5 - 1016.4	Overburden
	1016.4 - 1003.4	Shale, brown, silty to sandy, laminated to thin bedded, zones fractured, weathered and water stained throughout, few sandy partings
	1003.4 - 1000.5	Sandstone, brown, fine grained, thin bedded, micaceous, water stained throughout (durable)
	1000.5 - 989.9	Shale (69%) with interbedded Sandstone (31%). Shale is gray, silty to sandy, laminated to thin bedded, zones very sandy, zones clay-like, carbonaceous. Sandstone is gray, fine grained, very thin to thin bedded, micaceous, carbonaceous
	989.9 - 977.0	Shale, light gray to dark gray, silty to very sandy, very thin to medium bedded, zones clay-like, few sandy streaks and partings (<1.0')
	977.0 - 935.6	Sandstone, gray, fine to coarsely grained, thin to medium bedded, micaceous, zones slightly weathered and water stained, occasional coal stringers, streaks and partings, occasional shale stringers, streaks and lenses, occasional zones carbonaceous (durable)
	935.6 - 927.7	Shale, gray, silty to sandy, thin bedded, zones very sandy, numerous sandy stringers and streaks; Grades into sandstone
	927.7 - 922.5	Sandstone, gray, fine grained, very thin to thin bedded, micaceous, with numerous shale stringers and streaks (durable); Grades into shale
	922.5 - 916.1	Shale, gray to dark gray, very sandy to silty, thin bedded, zones highly carbonaceous, numerous sandy stringers and streaks
	916.1 - 915.6	Coal (Boney), black
	915.6 - 913.4	Shale, gray, silty to sandy, laminated to thin bedded, zones carbonaceous

CORE LOG Sta. 54+59, 106.6' Rt.

Elev.		
	1071.8 - 1063.8	Overburden
	1063.8 - 1056.5	Shale, brown, silty to sandy, fractured, highly weathered and water stained throughout
	1056.5 - 1055.1	Sandstone, gray, fine grained, thin bedded, micaceous (durable)
	1055.1 - 999.8	Shale, gray, silty to sandy, laminated to thin bedded, zones very sandy; Zones carbonaceous from 1004.9 to 1004.7, zones fossiliferous from 1005.5 to 1004.9

CORE LOG Sta. 54+59, 210.0' Rt.

Elev.		
	1113.8 - 1105.0	Overburden
	1105.0 - 1099.8	Shale, brown and gray, silty, laminated, clay-like, earthy, zones carbonaceous
	1099.8 - 1098.7	Coal, black
	1098.7 - 1087.2	Shale, gray to dark gray, silty, laminated to thin bedded, zones clay-like, zones carbonaceous, occasional sandy stringers
	1087.2 - 1080.7	Sandstone, gray, fine grained, very thin to thin bedded, micaceous, occasional shale stringers, streaks and partings (durable); Grades into shale
	1080.7 - 1046.5	Shale, gray, sandy, laminated to thin bedded, zones very sandy, occasional sandy stringers, streaks and partings, few zones silty



•• IB at elevation 944.9' is in transition. The bench will transition as follows:

Approximate Station	Transition Width (Ft.)
53+25	0
53+75	5.0
54+25	10.0
54+75	15.0
55+25	20

NOTE:
This sheet presents geotechnical data and recommendations. Refer to project plans, profiles, and cross sections for final alignment and grade.

SCALE: 1"=20'

FORM NO. 9
SOILS AND SUBSURFACE INVESTIGATION BY _____ DATE _____
DRAFTED BY _____ DATE _____

KY 267 NORTH, CUT STABILITY SECTION STATION 54+59

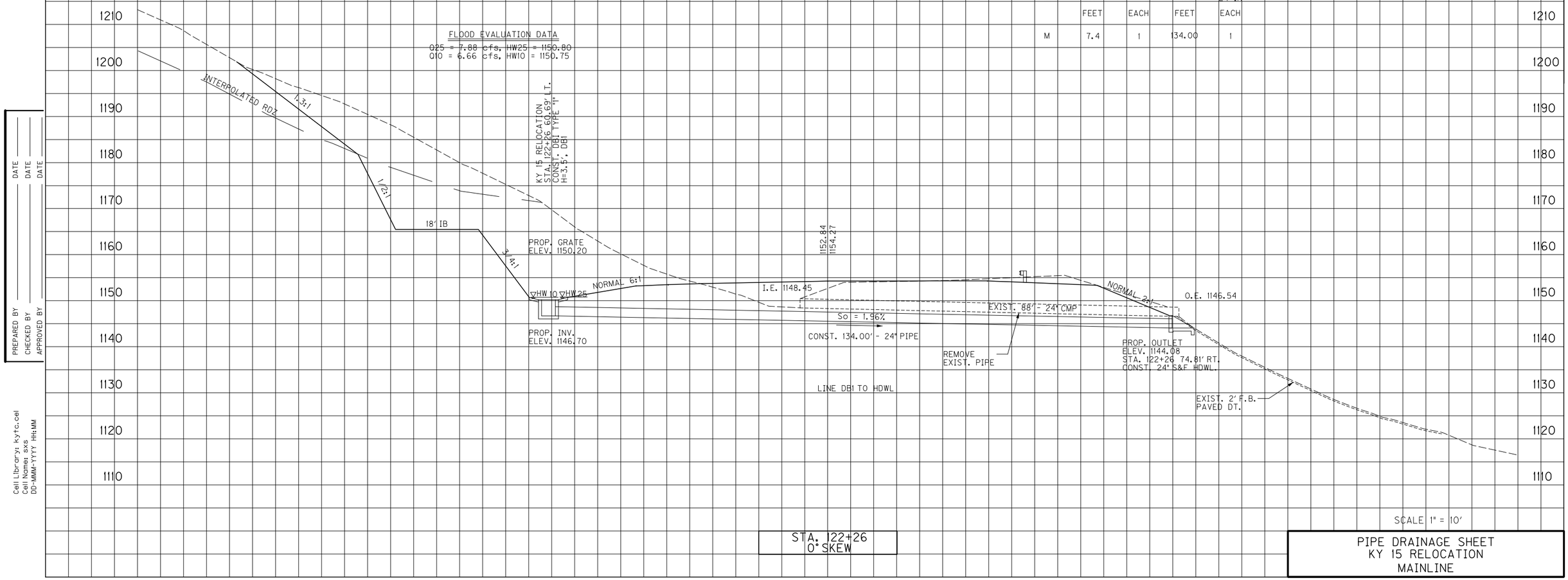
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R092

GENERAL NOTES

1. CBI TOP ELEVATION SHOWN REPRESENTS NORMAL GUTTER LINE ELEVATION. FOR THROAT INVERT ELEVATION SUBTRACT 2" FOR TYPE "A" AND 4" FOR TYPE B.
2. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
3. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.
4. TELEPHONE, CONDUIT, WATER, & GAS LINES SHOWN IN APPROXIMATE LOCATION.

	CULVERT PIPE				
DESIGN PH LEVEL	MAX. COVER HEIGHT	DBI TYPE 1	24" PIPE	PIPE CULVERT HEADWALL 24 IN	
	FEET	EACH	FEET	EACH	
M	7.4	1	134.00	1	

FLOOD EVALUATION DATA
Q25 = 7.88 cfs, HW25 = 1150.80
Q10 = 6.66 cfs, HW10 = 1150.75



STA. 122+26
0° SKEW

SCALE 1" = 10'

PIPE DRAINAGE SHEET
KY 15 RELOCATION
MAINLINE

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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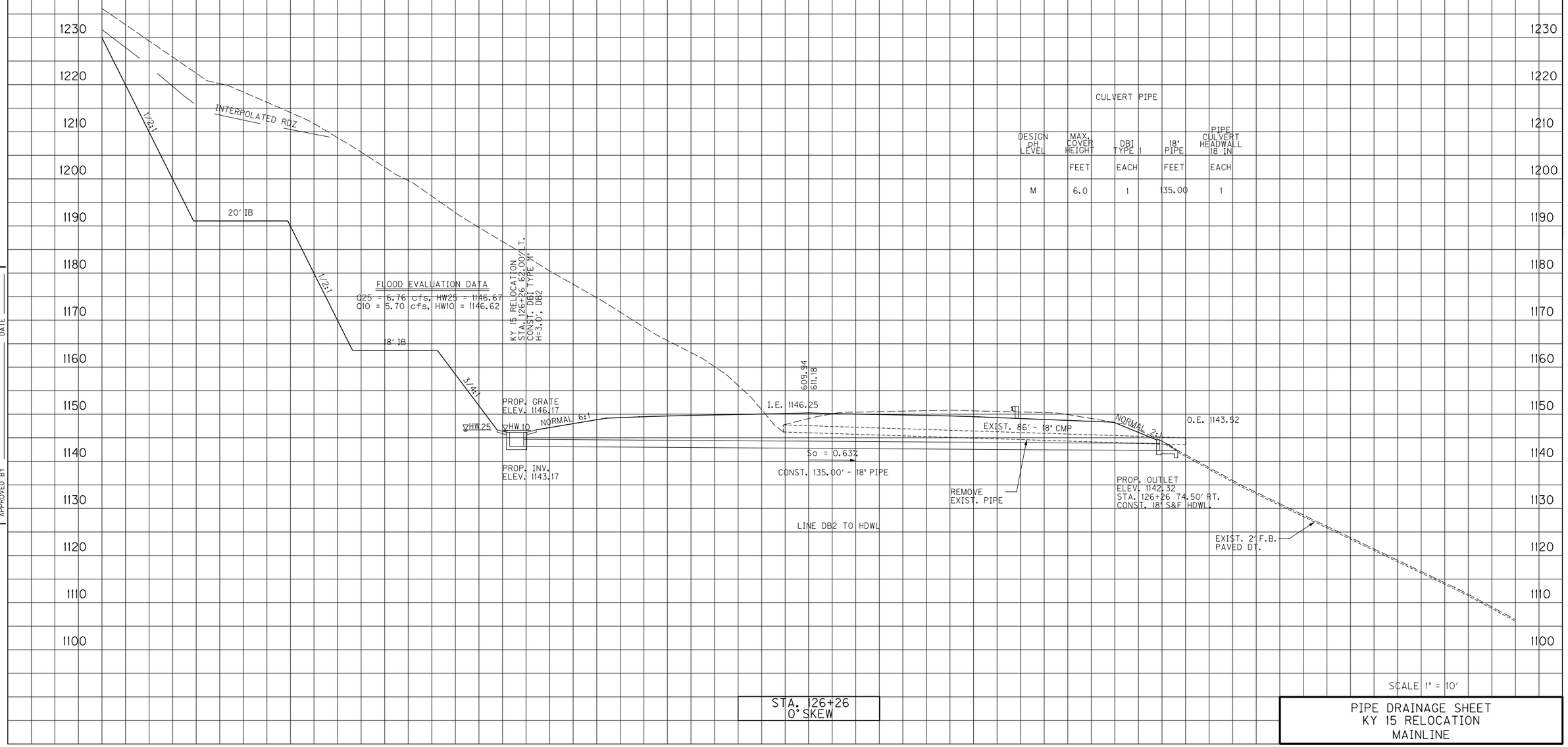
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R093



DESIGN PH LEVEL	MAX. COVER HEIGHT	CULVERT PIPE DBI TYPE I	CULVERT PIPE 18" PIPE	CULVERT PIPE HEADWALL 18 IN
	FEET	EACH	FEET	EACH
M	6.0	1	135.00	1

SCALE 1" = 10'

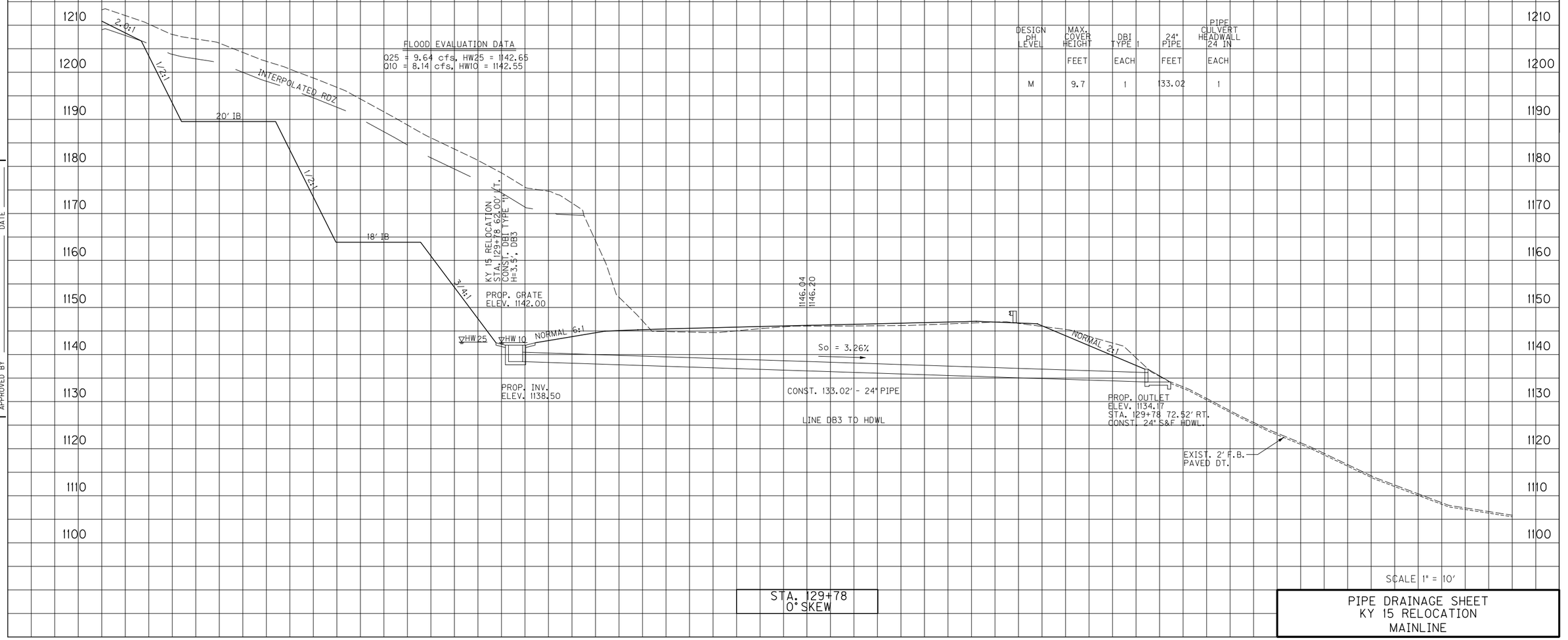
STA. 126+26
0° SKEW

PIPE DRAINAGE SHEET
KY 15 RELOCATION
MAINLINE

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R094



FLOOD EVALUATION DATA

Q25 = 9.64 cfs, HW25 = 1142.65
Q10 = 8.14 cfs, HW10 = 1142.55

CULVERT PIPE

DESIGN PH LEVEL	MAX. COVER HEIGHT	DBI TYPE 1	24" PIPE	PIPE CULVERT HEADWALL 24 IN
	FEET	EACH	FEET	EACH
M	9.7	1	133.02	1

STA. 129+78
0° SKEW

SCALE 1" = 10'

PIPE DRAINAGE SHEET
KY 15 RELOCATION
MAINLINE

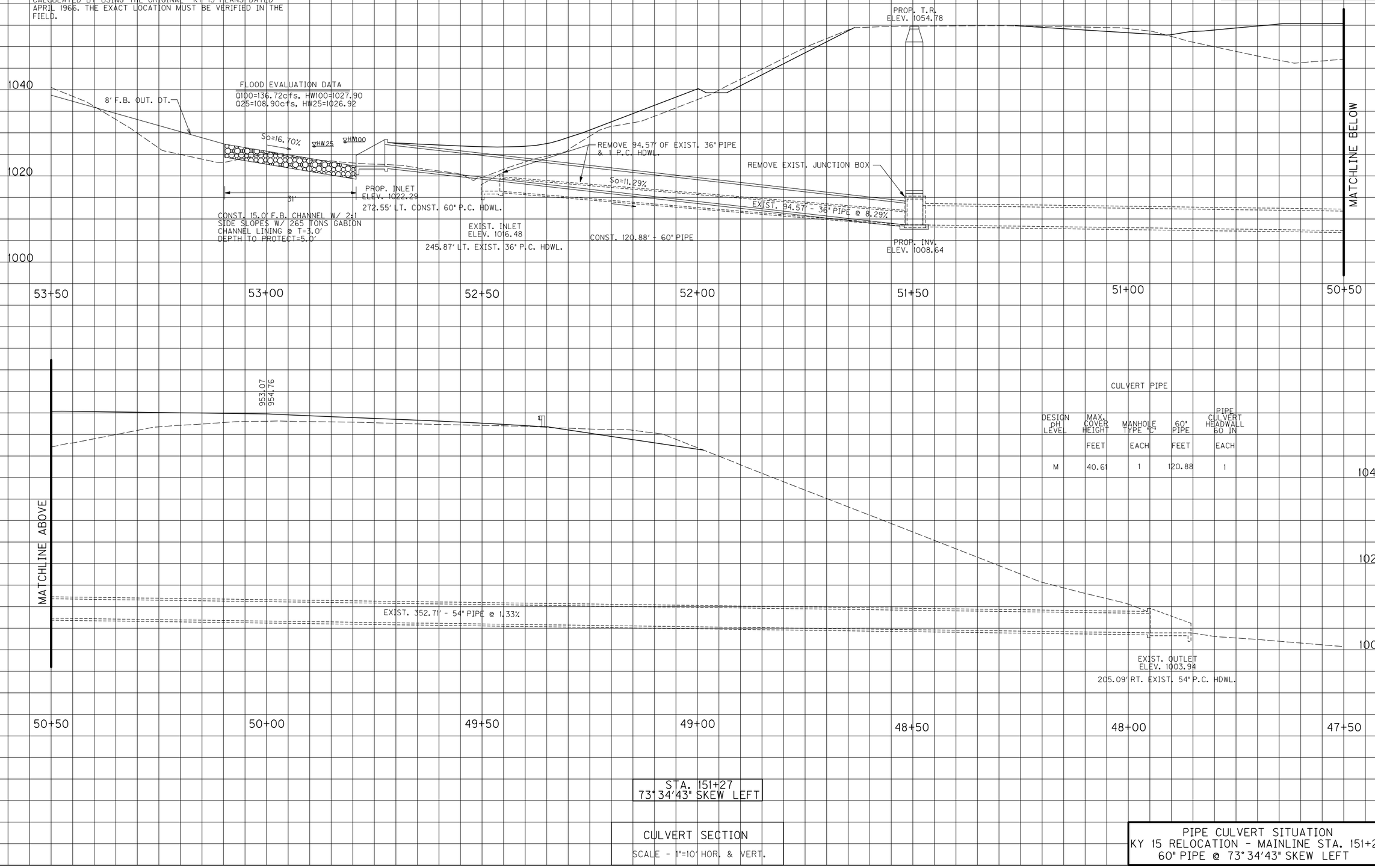
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R095

GENERAL NOTES

1. THE LOCATION OF THE EXISTING JUNCTION BOX SHOWN WAS CALCULATED BY USING THE ORIGINAL KY 15 PLANS DATED APRIL 1966. THE EXACT LOCATION MUST BE VERIFIED IN THE FIELD.



CULVERT PIPE

DESIGN PH LEVEL	MAX. COVER HEIGHT FEET	MANHOLE TYPE "C" EACH	60" PIPE FEET	PIPE CULVERT HEADWALL 60 IN EACH
M	40.61	1	120.88	1

STA. 151+27
73°34'43" SKEW LEFT

CULVERT SECTION

SCALE - 1"=10' HOR. & VERT.

PIPE CULVERT SITUATION
KY 15 RELOCATION - MAINLINE STA. 151+27
60" PIPE @ 73°34'43" SKEW LEFT

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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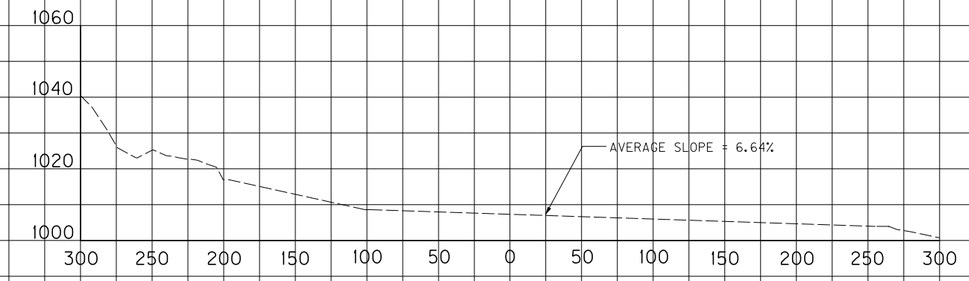
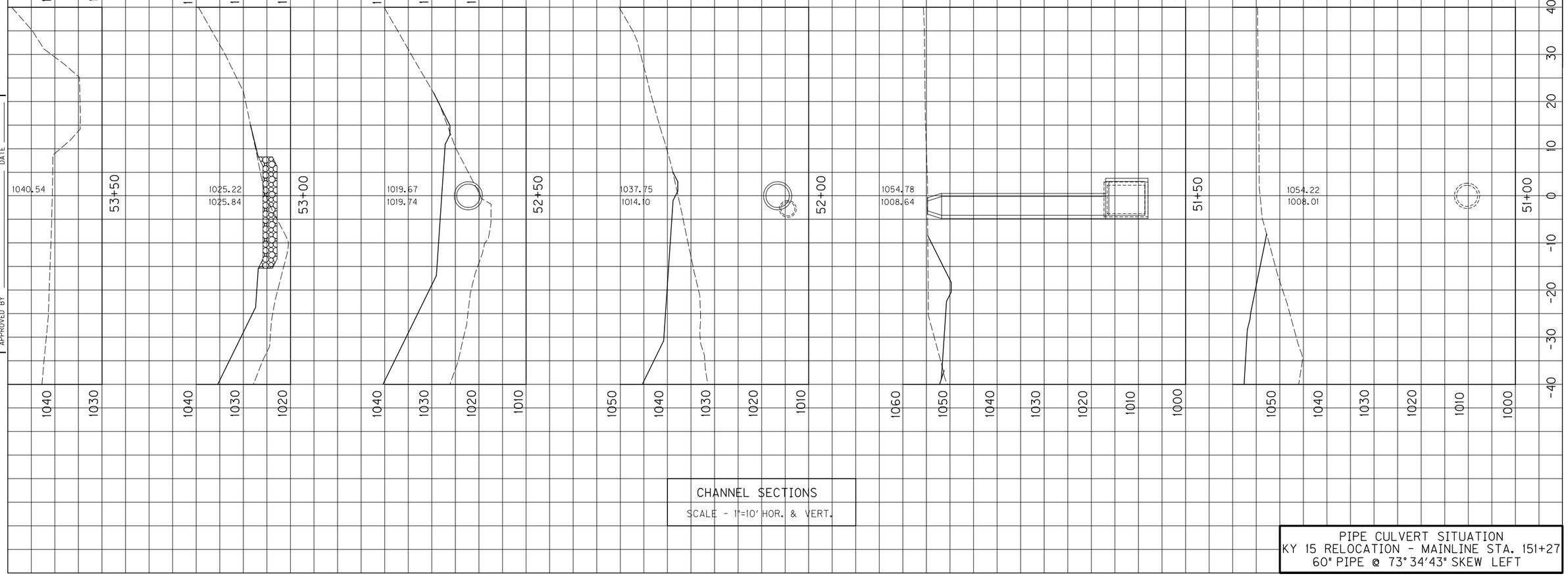
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R096



STREAM PROFILE
SCALE - 1"= 50' HOR. 1"= 20' VERT.



CHANNEL SECTIONS
SCALE - 1"=10' HOR. & VERT.

PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

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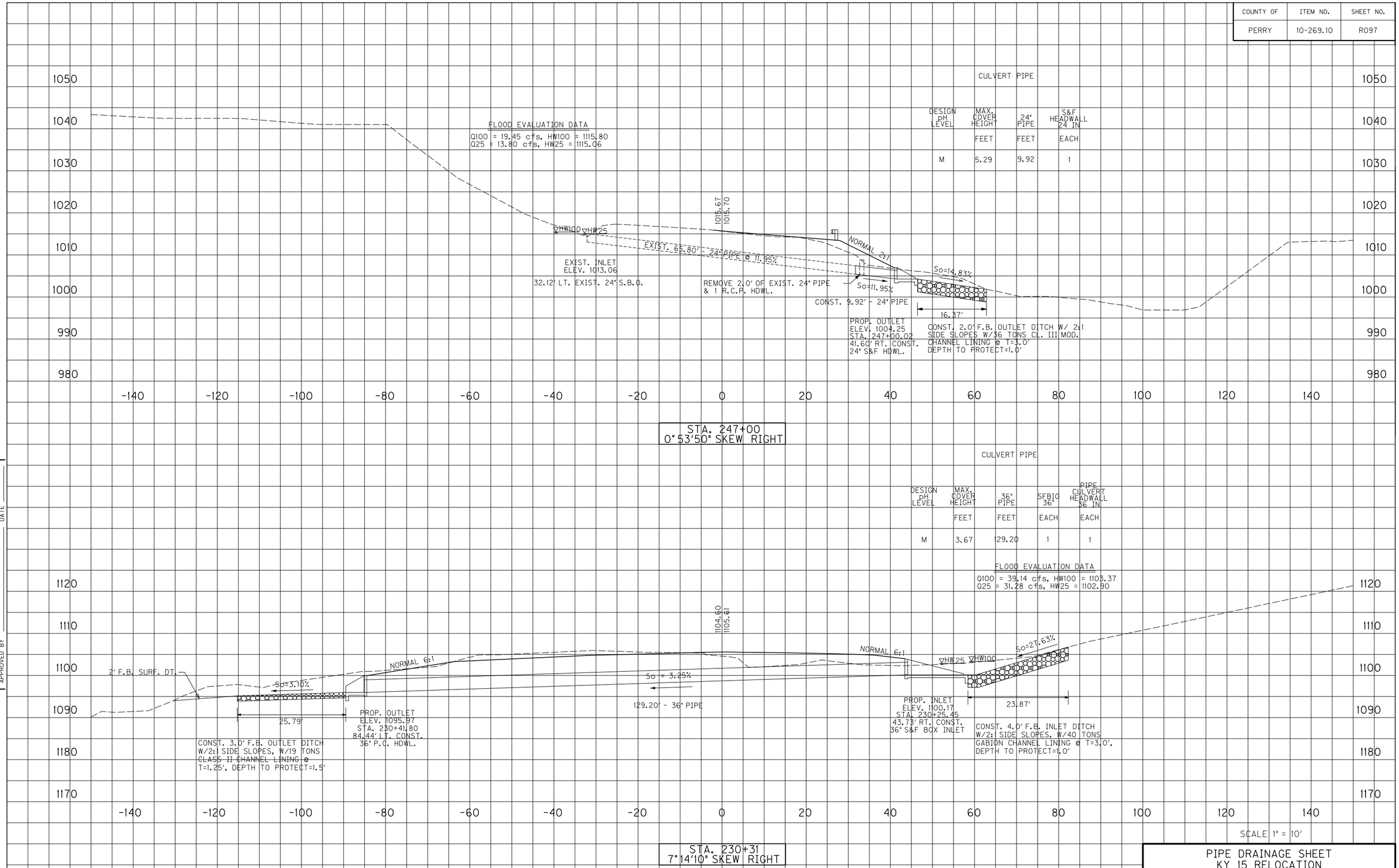
Cell Name: sxs
DD-MMM-YYYY HH:MM

PIPE CULVERT SITUATION
KY 15 RELOCATION - MAINLINE STA. 151+27
60" PIPE @ 73°34'43" SKEW LEFT

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R097



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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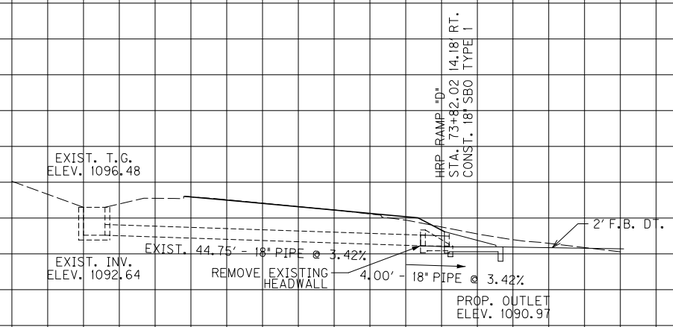
Cell Name: sxs
10/23/2013

SCALE 1" = 10'

PIPE DRAINAGE SHEET
KY 15 RELOCATION
MAINLINE

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R098

CULVERT	PIPE
18" SBO TYPE 1	PIPE 18"
EACH	FEET
1	4.00



STA. 73+82.02
1°59'09" SKEW LEFT
HRP RAMP "D"

SCALE 1" = 10'

PIPE DRAINAGE SHEET
KY 15 RELOCATION
APPROACH ROADS

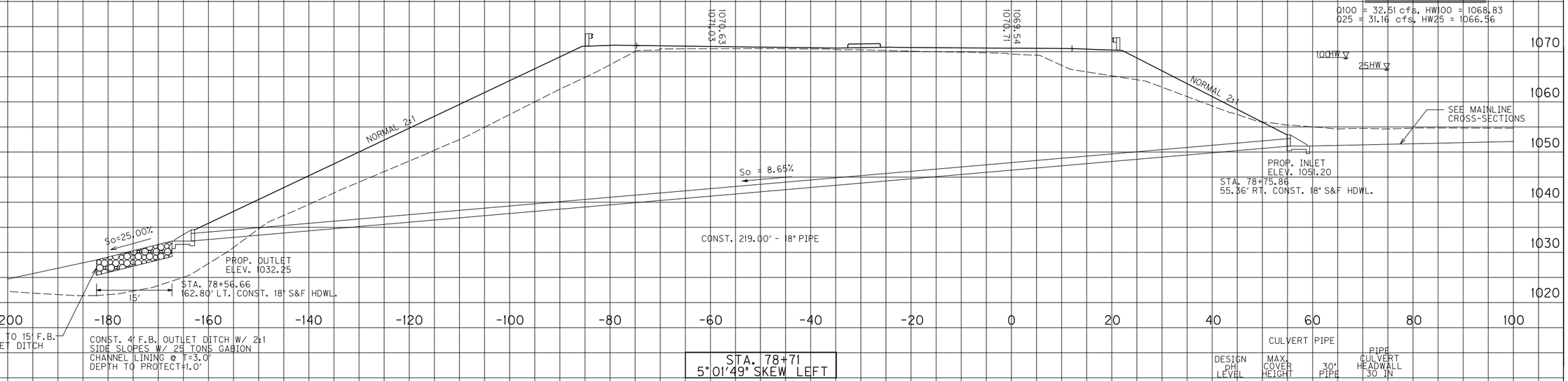
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R099

DESIGN pH LEVEL	CULVERT PIPE MAX. COVER HEIGHT FEET	18" PIPE FEET	S&F HEADWALL 18 IN EACH
M	30.35	219.00	2

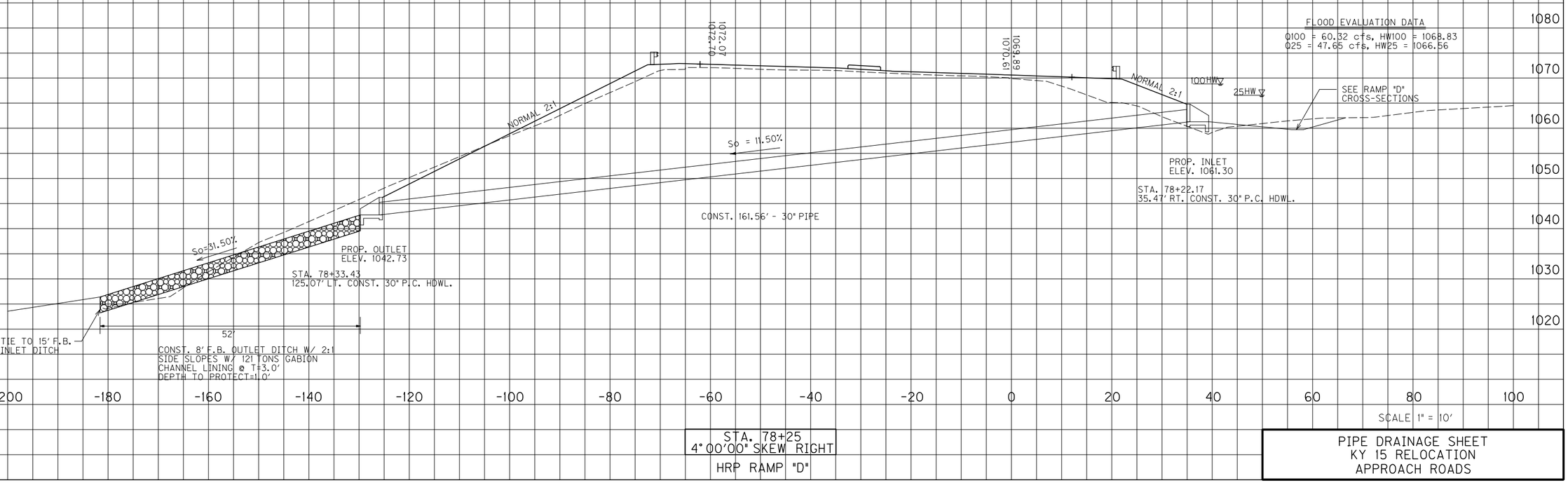
FLOOD EVALUATION DATA
Q100 = 32.51 cfs, HW100 = 1068.83
Q25 = 31.16 cfs, HW25 = 1066.56



STA. 78+71
5°01'49" SKEW LEFT
HRP RAMP "D"

DESIGN pH LEVEL	CULVERT PIPE MAX. COVER HEIGHT FEET	30" PIPE FEET	PIPE CULVERT HEADWALL 30 IN EACH
M	20.96	161.56	2

FLOOD EVALUATION DATA
Q100 = 60.32 cfs, HW100 = 1068.83
Q25 = 47.65 cfs, HW25 = 1066.56



SCALE 1" = 10'

STA. 78+25
4°00'00" SKEW RIGHT
HRP RAMP "D"

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

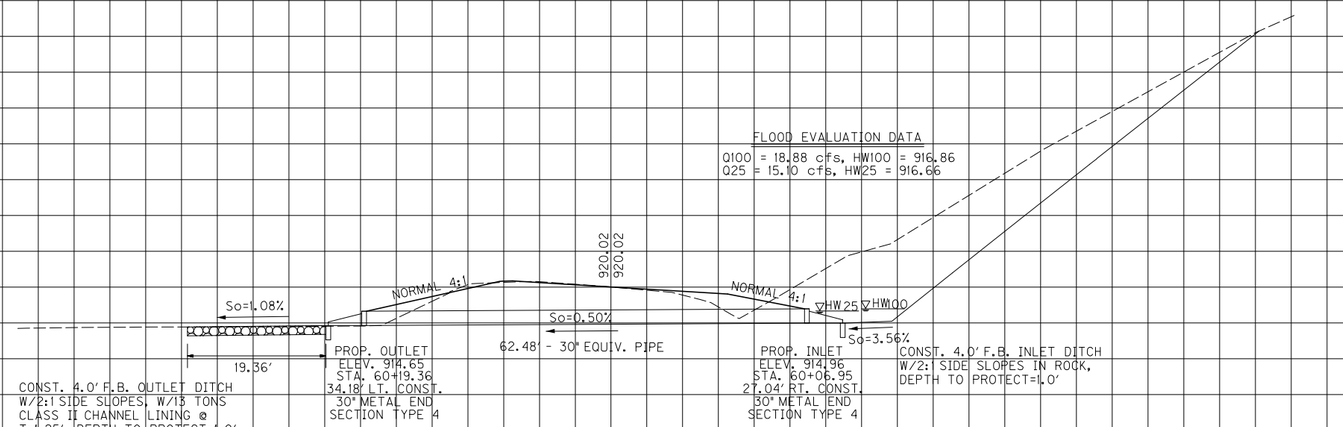
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

PIPE DRAINAGE SHEET
KY 15 RELOCATION
APPROACH ROADS

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R100

CULVERT PIPE

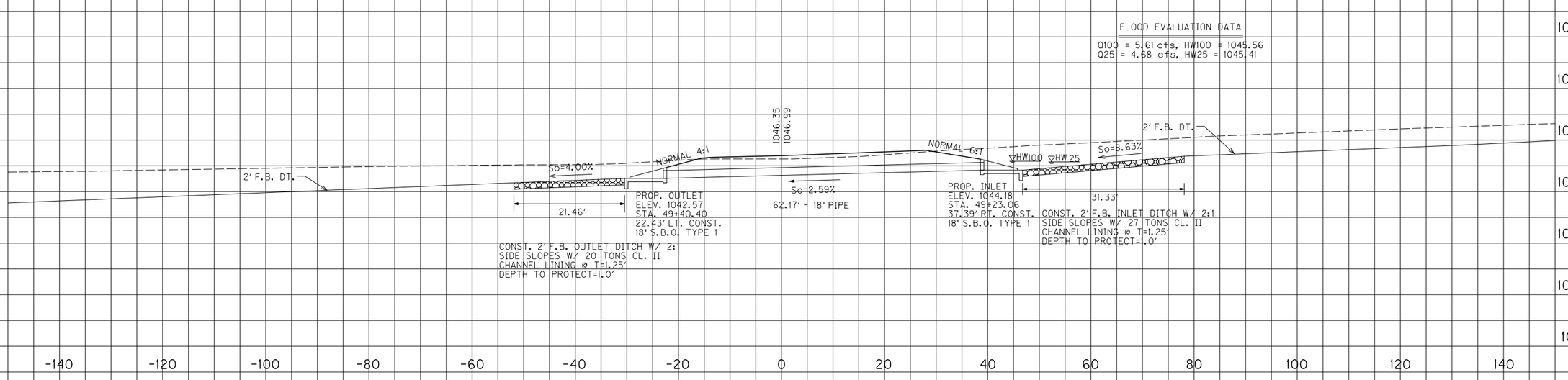
DESIGN pH LEVEL	MAX. COVER HEIGHT	30" EQ. PIPE	METAL END SECTION TYPE 4
	FEET	FEET	EACH
M	3.80	62.48	2



STA. 60+13
10°36'58" SKEW RIGHT
KY 267 CONNECTOR NORTH

CULVERT PIPE

DESIGN pH LEVEL	MAX. COVER HEIGHT	18" PIPE	SFBIO 18"
	FEET	FEET	EACH
M	2.41	62.17	2



STA. 49+36
13°32'01" SKEW RIGHT
TERRACE VIEW LANE

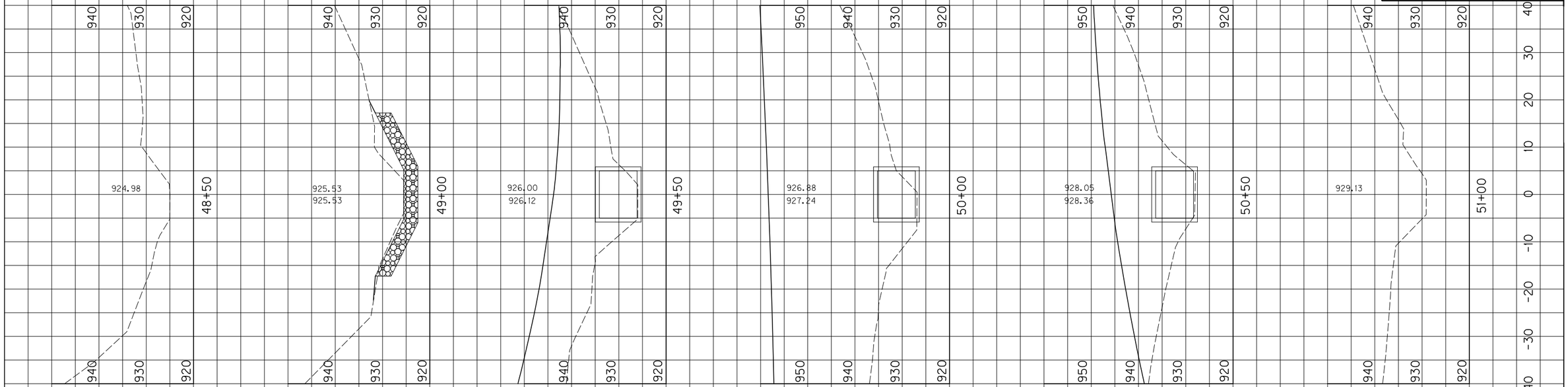
SCALE 1" = 10'

PIPE DRAINAGE SHEET
KY 15 RELOCATION
APPROACH ROADS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

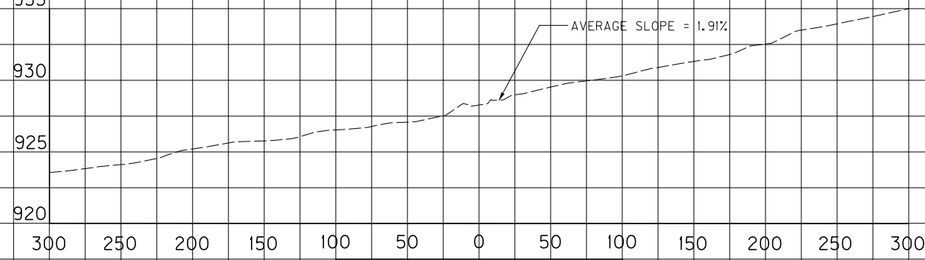
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R101



CHANNEL SECTIONS

SCALE - 1"=10' HOR. & VERT.

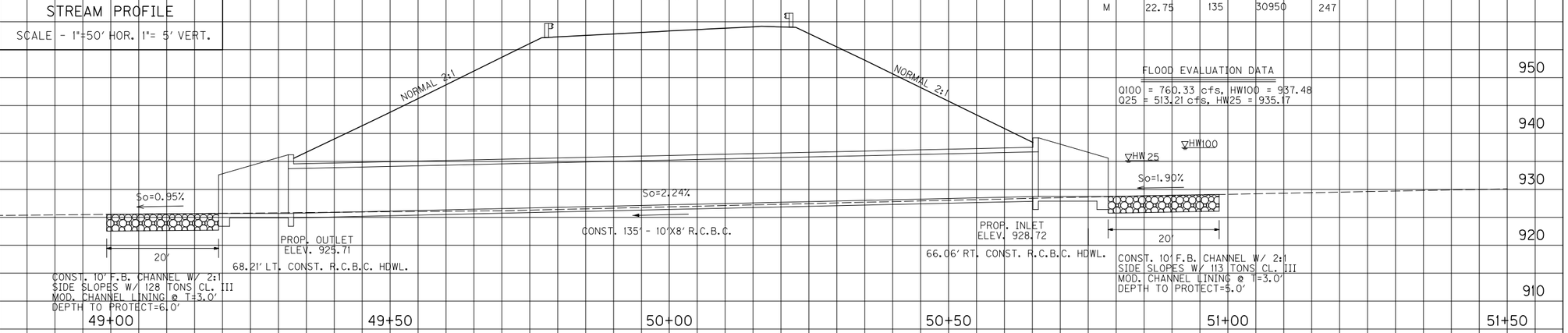


STREAM PROFILE

SCALE - 1"=50' HOR. 1"= 5' VERT.

CULVERT PIPE

DESIGN pH LEVEL	MAX. COVER HEIGHT FEET	10' X 8' RCBC FEET	STEEL REINF. LB	CONC. CLASS "A" CU YD
M	22.75	135	30950	247



CULVERT SECTION

SCALE - 1"=10' HOR. & VERT.

PREPARED BY _____ DATE _____

CHECKED BY _____ DATE _____

APPROVED BY _____ DATE _____

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DD-MMM-YYYY HH:MM

PIPE CULVERT SITUATION
KY 267 CONNECTOR NORTH STA. 51+31
10' X 8' R.C.B.C. @ 15°00'00" SKEW RIGHT

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R102

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

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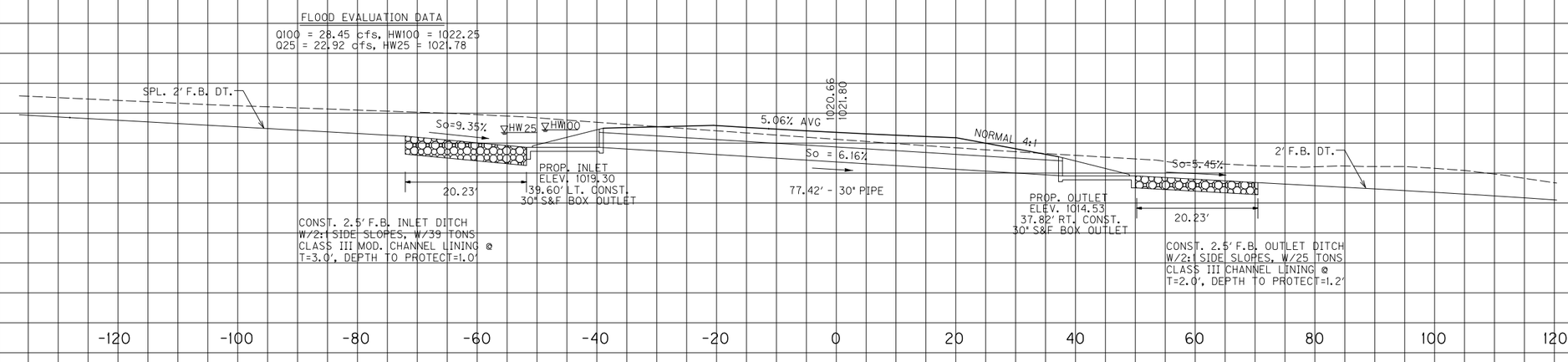
Cell Name: sxs
DD-MMM-YYYY HH:MM

CULVERT PIPE

DESIGN PH LEVEL	MAX. COVER HEIGHT	30" PIPE	SEBIO 30"
	FEET	FEET	EACH
M	2.56	77.42	2

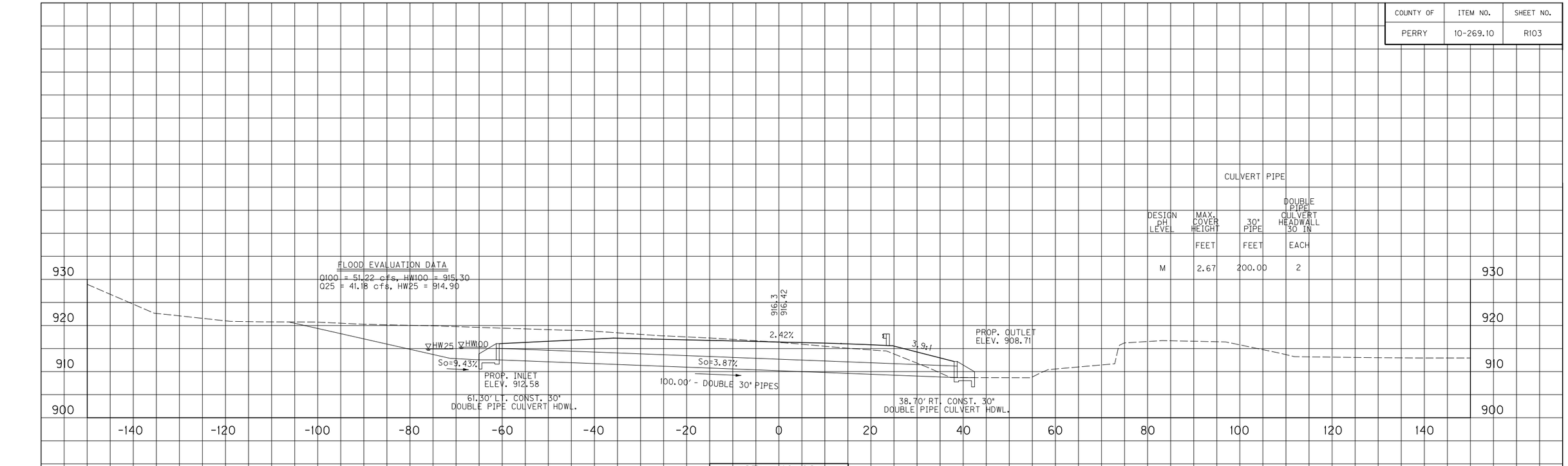


SCALE 1" = 10'

STA. 49+33
5°23'12" SKEW RIGHT
KY 267 CONNECTOR SOUTH

PIPE DRAINAGE SHEET
KY 15 RELOCATION
APPROACH ROADS

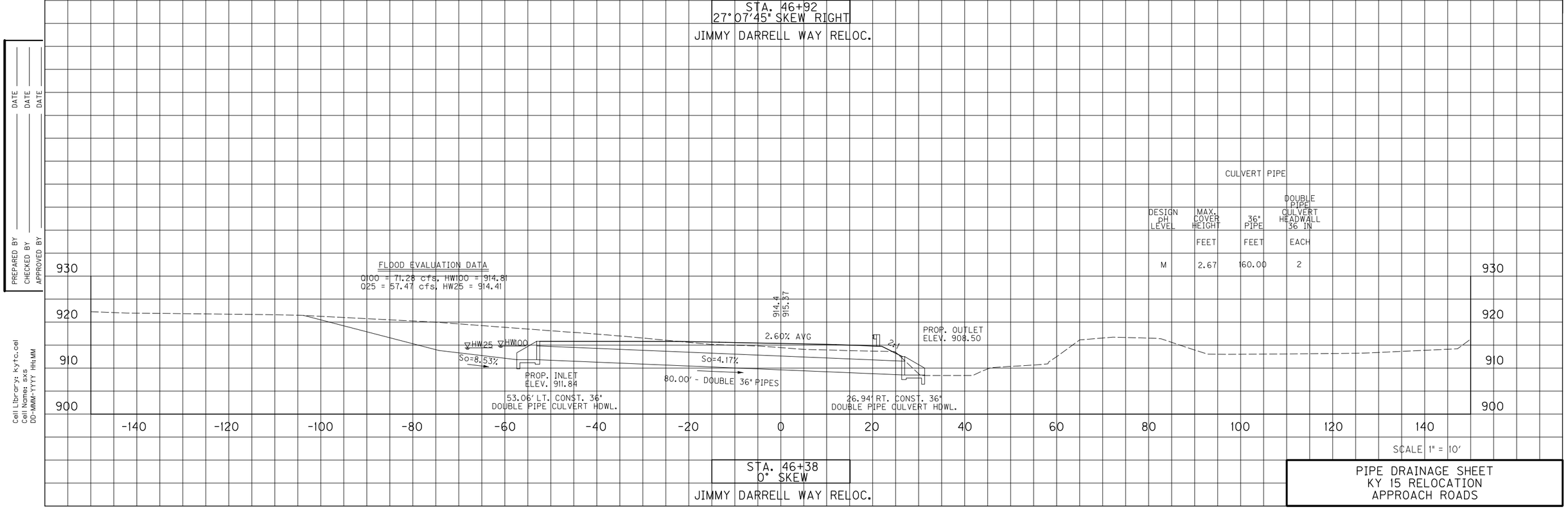
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R103



CULVERT PIPE

DESIGN PH LEVEL	MAX. COVER HEIGHT FEET	30" PIPE FEET	DOUBLE PIPE CULVERT HEADWALL 30 IN EACH
M	2.67	200.00	2

STA. 46+92
27°07'45" SKEW RIGHT
JIMMY DARRELL WAY RELOC.



CULVERT PIPE

DESIGN PH LEVEL	MAX. COVER HEIGHT FEET	36" PIPE FEET	DOUBLE PIPE CULVERT HEADWALL 36 IN EACH
M	2.67	160.00	2

SCALE 1" = 10'

STA. 46+38
0° SKEW
JIMMY DARRELL WAY RELOC.

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PIPE DRAINAGE SHEET
KY 15 RELOCATION
APPROACH ROADS

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R104

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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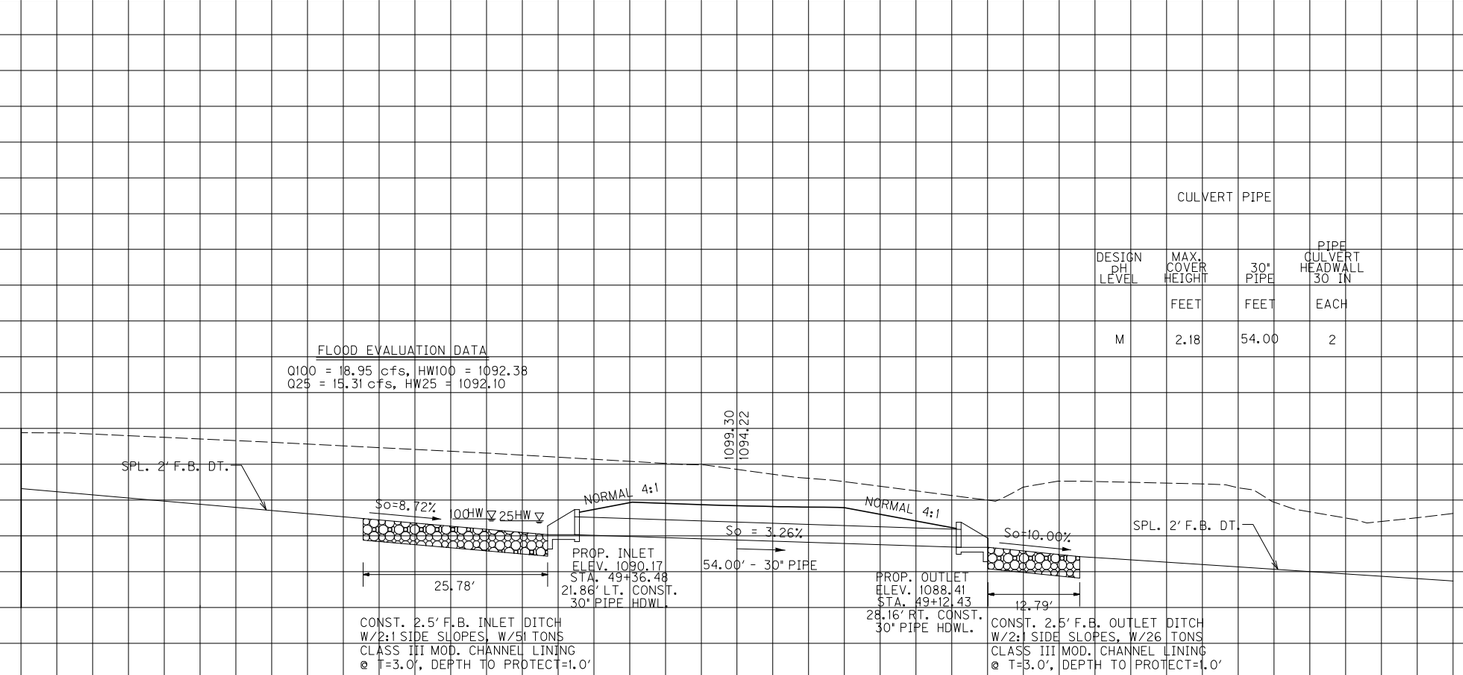
Cell Name: sxs
DD-MMM-YYYY HH:MM

CULVERT PIPE

DESIGN PH LEVEL	MAX. COVER HEIGHT FEET	30" PIPE FEET	PIPE CULVERT HEADWALL 30 IN EACH
M	2.18	54.00	2



SCALE 1" = 10'

STA. 49+31
18°17'37" SKEW RT.
L.A.R. "B"

PIPE DRAINAGE SHEET
KY 15 RELOCATION
APPROACH ROADS

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R105

STORM SEWER QUANTITIES

CBI TYPE "B"	PIPE 18"	S&F HEADWALL 18 IN
EACH	FEET	EACH
3	106.52	1

GENERAL NOTES

1. CBI TOP ELEVATION SHOWN REPRESENTS NORMAL GUTTER LINE ELEVATION. FOR THROAT INVERT ELEVATION SUBTRACT 2" FOR TYPE "A" AND 4" FOR TYPE B.
2. FOR INLETS AND MANHOLES, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE CHAMBER.
3. FOR HEADWALLS, STATION AND OFFSET DISTANCES ARE TO THE CENTER OF THE PIPE INVERT.
4. TELEPHONE, CONDUIT, WATER, & GAS LINES SHOWN IN APPROXIMATE LOCATION.

PREPARED BY _____ DATE _____
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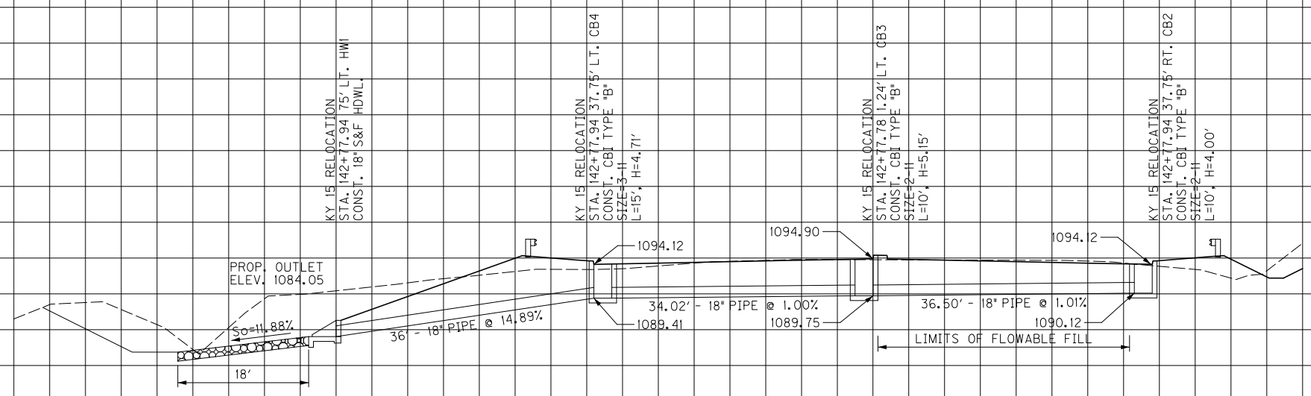


HWI TO CB2
STORM SEWER PROFILE

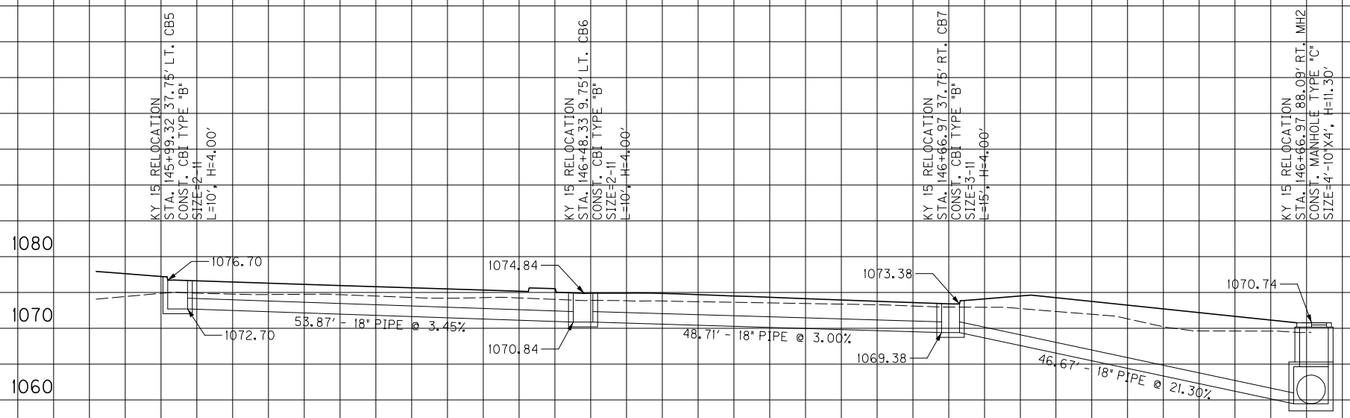
SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
MAINLINE

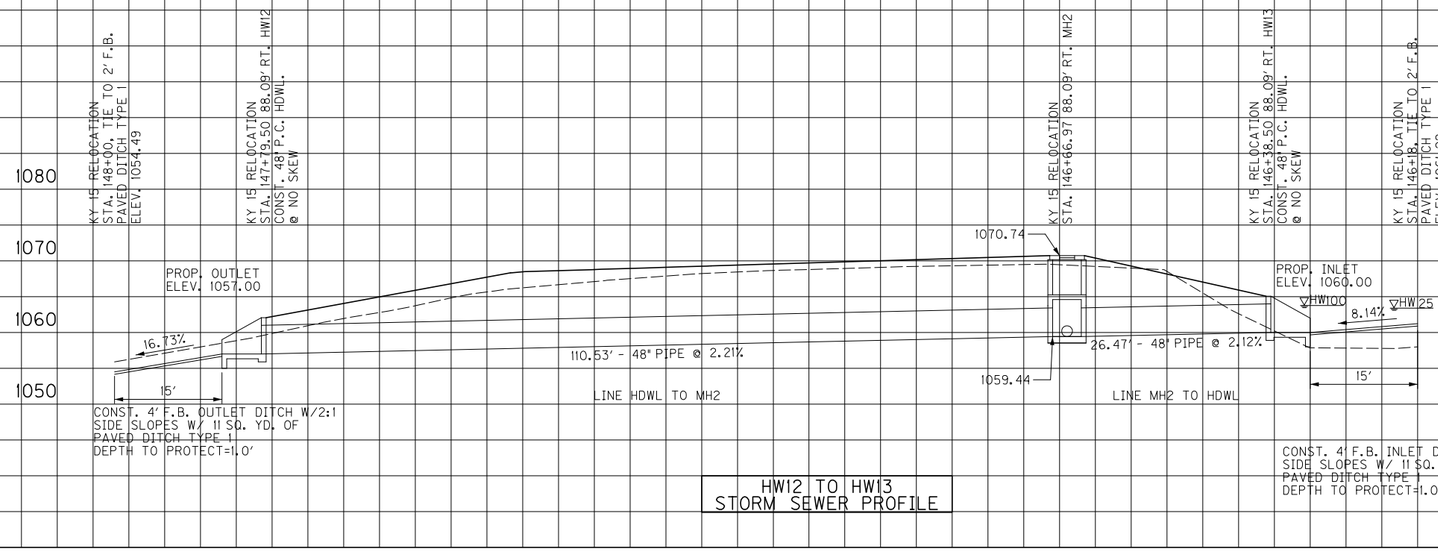
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R106

STORM SEWER QUANTITIES

MANHOLE TYPE 'C' EACH	CBI TYPE 'B' EACH	PIPE 18" FEET	PIPE 48" FEET	PIPE CULVERT HEADWALL 48 IN EACH
1	3	149.25	137.00	2



CB5 TO MH2
STORM SEWER PROFILE



HW12 TO HW13
STORM SEWER PROFILE

FLOOD EVALUATION DATA

Q100 = 67.30 cfs, HW100 = 1063.78
Q25 = 54.33 cfs, HW25 = 1063.40

SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
MAINLINE

PREPARED BY _____ DATE _____
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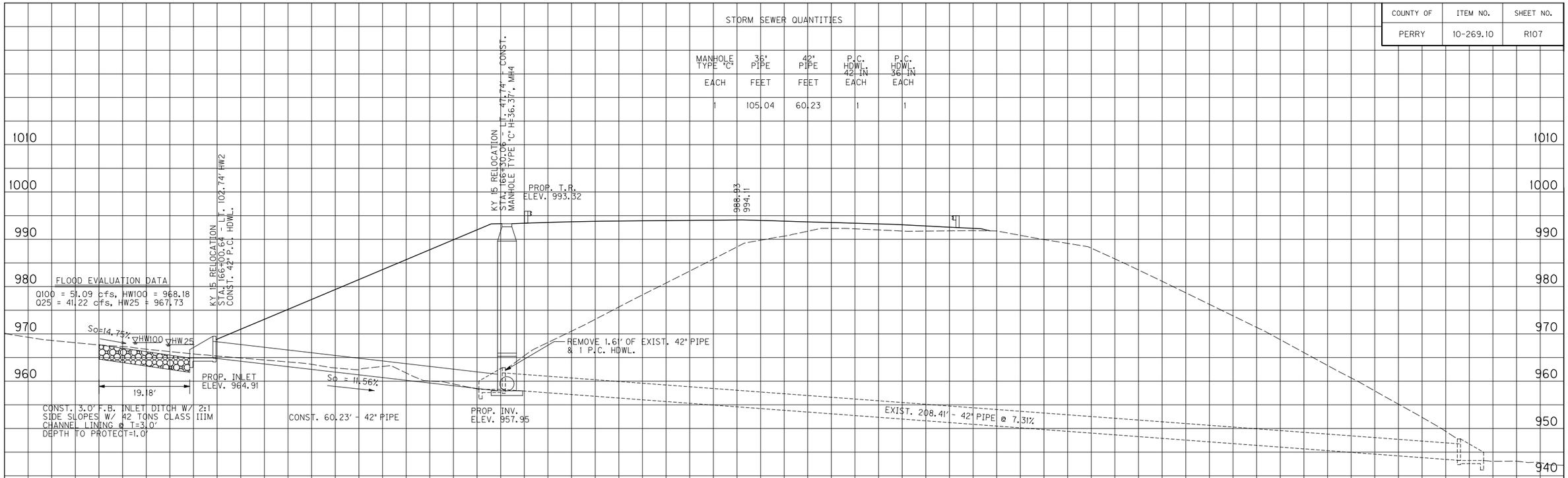
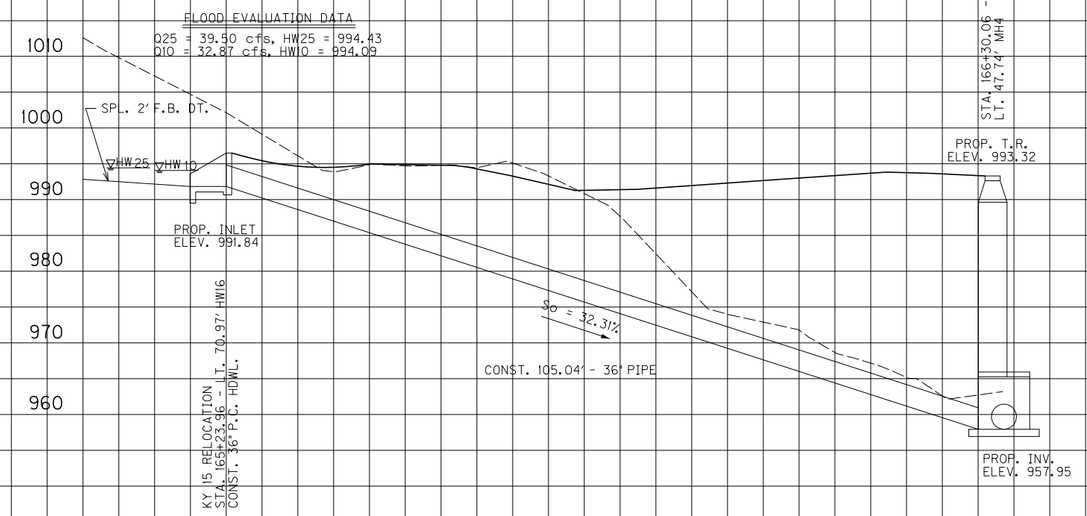
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R107

STORM SEWER QUANTITIES

MANHOLE TYPE "C"	36" PIPE	42" PIPE	P.C. HDWL. 42 IN	P.C. HDWL. 36 IN
EACH	FEET	FEET	EACH	EACH
1	105.04	60.23	1	1



HW 2 TO EX. OUTLET
STORM SEWER PROFILE



INLET TO MH4
STORM SEWER PROFILE

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

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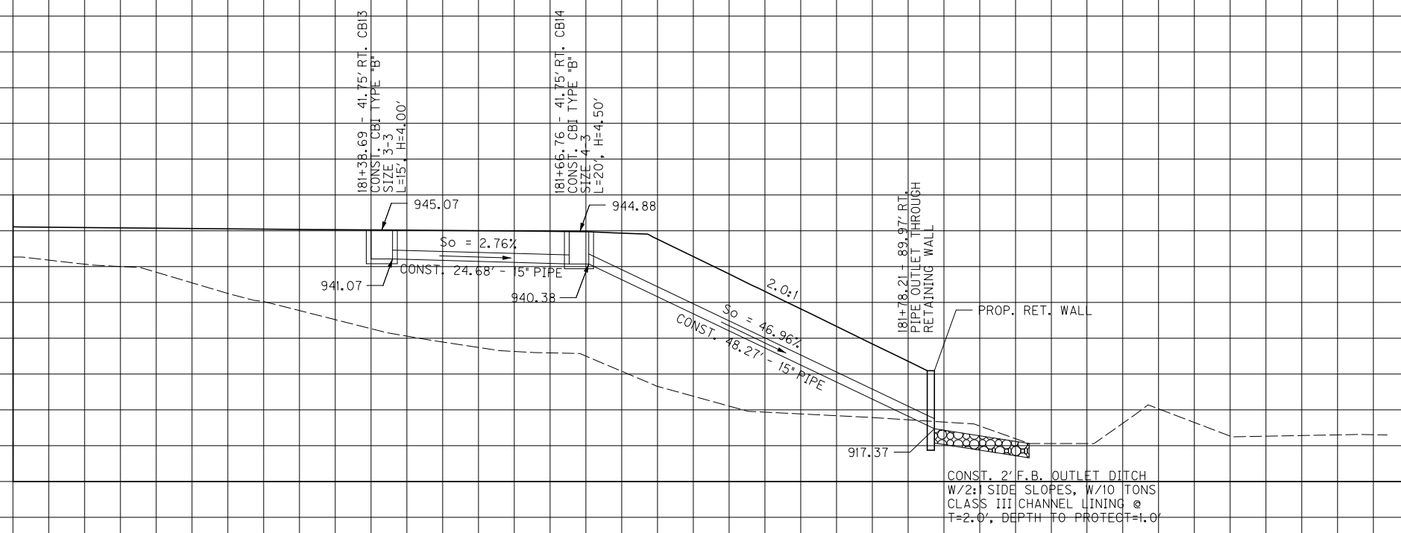
SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
MAINLINE

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R108

STORM SEWER QUANTITIES

CBI TYPE B EACH	15" PIPE FEET
2	72.95



CBI3 TO OUTLET
STORM SEWER PROFILE

SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
MAINLINE

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
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Cell Name: sxs
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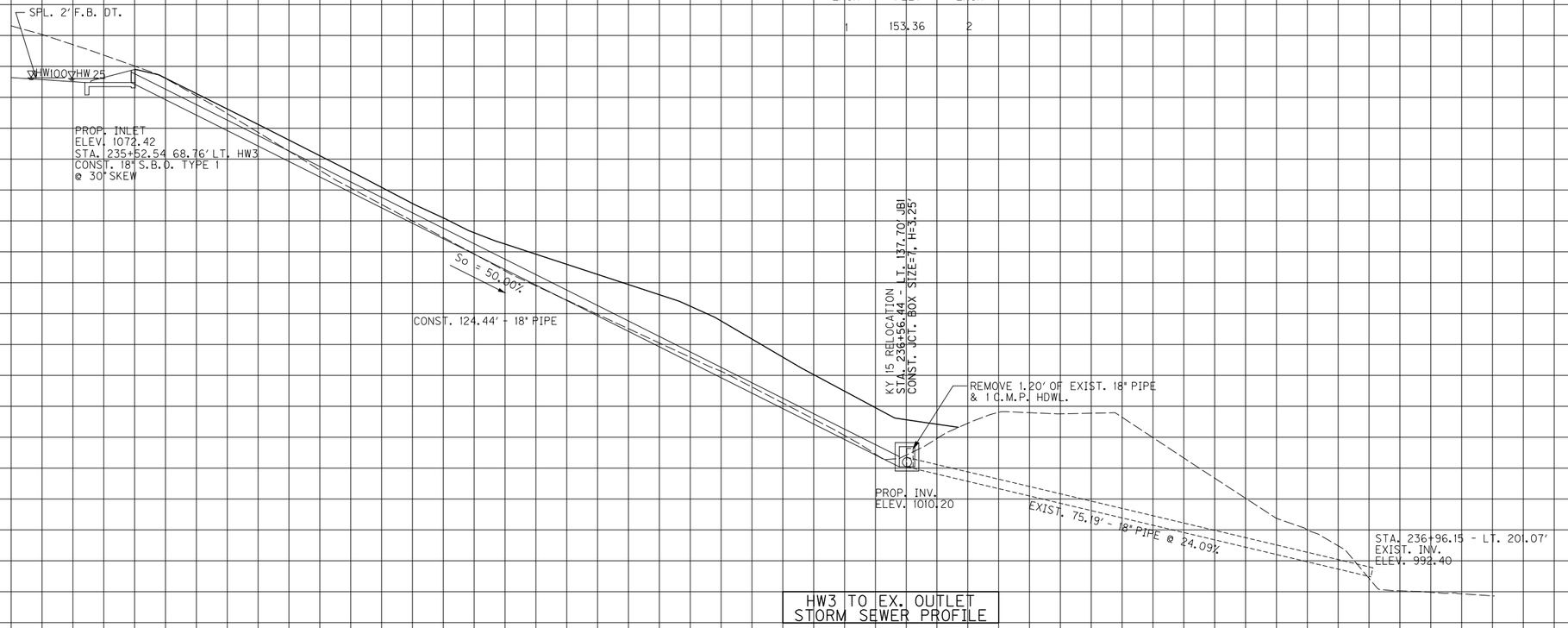
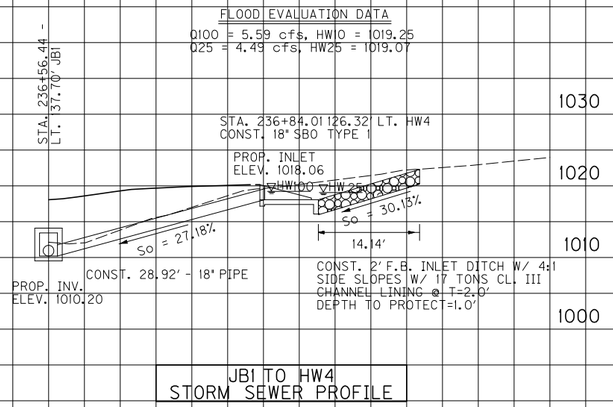
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R109

STORM SEWER QUANTITIES

JUNCTION BOX	18" PIPE	18" SBO TYPE 1
EACH	FEET	EACH
1	153.36	2



HW3 TO EX. OUTLET
STORM SEWER PROFILE



JBI TO HW4
STORM SEWER PROFILE

SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
MAINLINE

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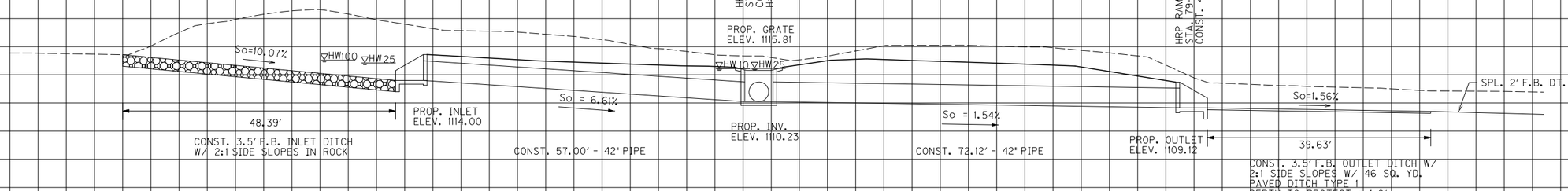
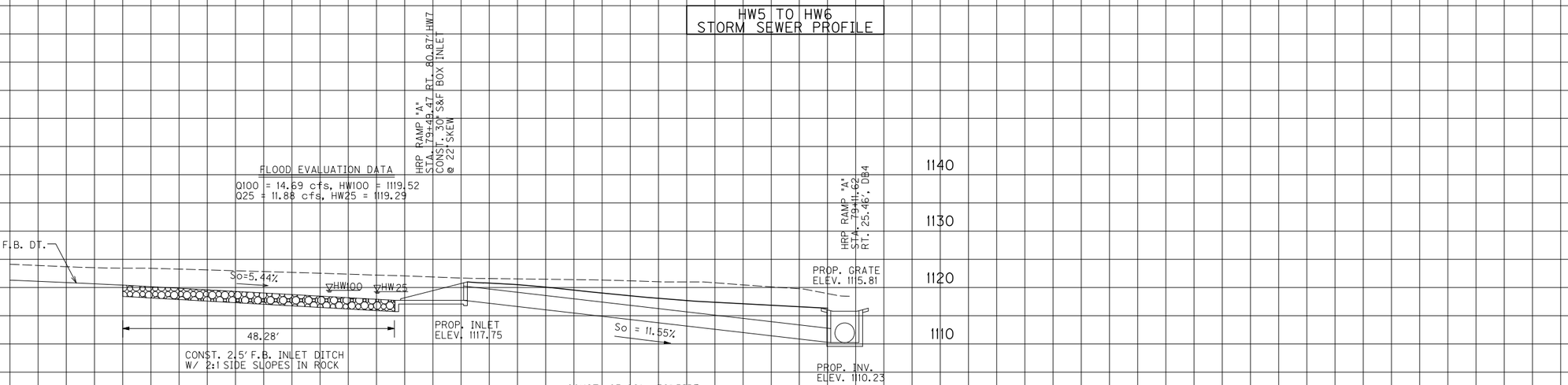
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R110

STORM SEWER QUANTITIES

DBI TYPE "7"	30" PIPE	SFBIO 30 IN	42" PIPE	PIPE CULVERT HEADWALL 42 IN
EACH	FEET	EACH	FEET	EACH
1	65.09	1	129.12	2



HW5 TO HW6
STORM SEWER PROFILE



HW7 TO DB4
STORM SEWER PROFILE

SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
APPROACH ROADS

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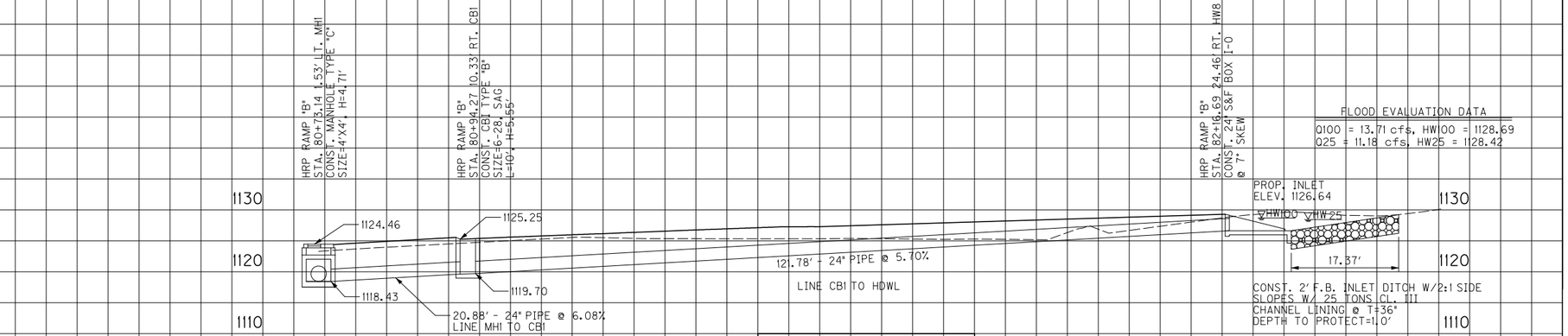
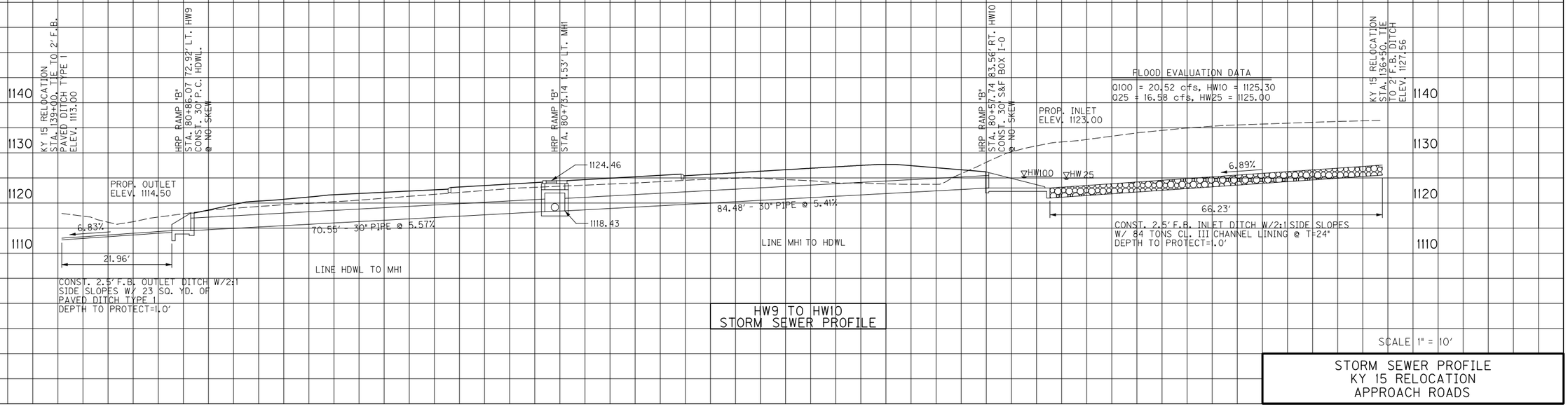
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R111

STORM SEWER QUANTITIES

SFBIO 24 IN	SFBIO 30 IN	MANHOLE TYPE "C"	CBI TYPE "B"	PIPE 24"	PIPE 30"	PIPE CULVERT HEADWALL 30 IN
EACH	EACH	EACH	EACH	FEET	FEET	EACH
1	1	1	1	142.66	155.03	1



MH1 TO HW8
STORM SEWER PROFILE



HW9 TO HW10
STORM SEWER PROFILE

SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
APPROACH ROADS

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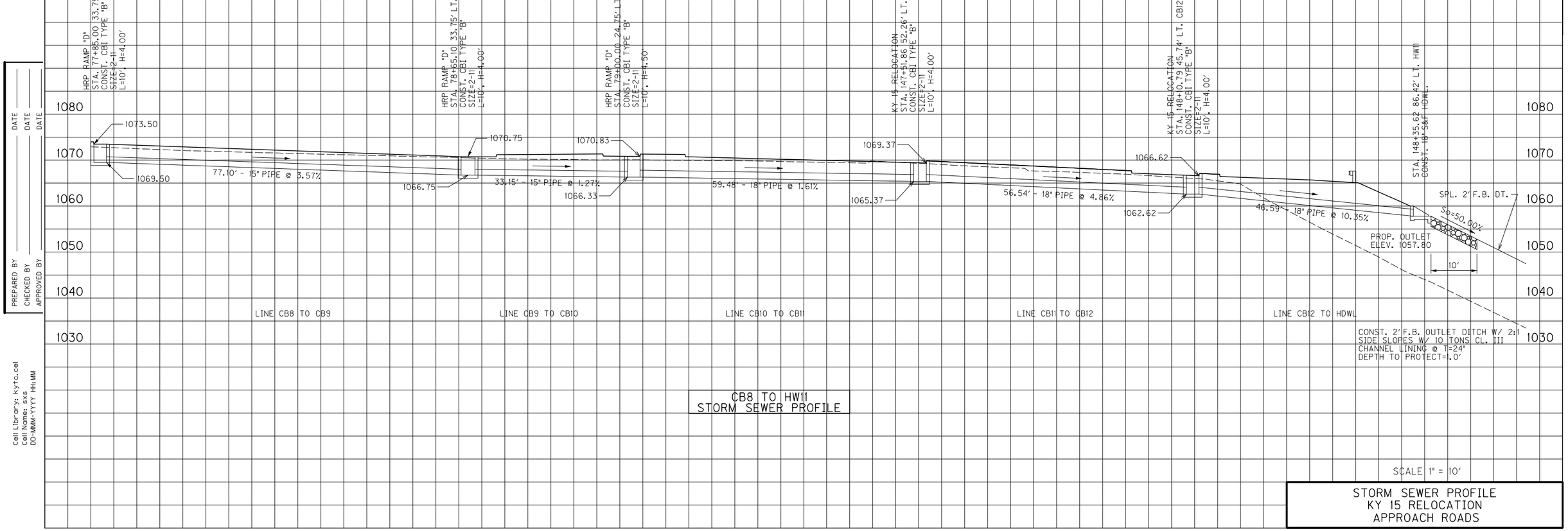
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R112

STORM SEWER QUANTITIES

CB1 TYPE "B"	PIPE 15"	PIPE 18"	S&F HEADWALL 18 IN
EACH	FEET	FEET	EACH
5	110.25	162.61	1



CB8 TO HW11
STORM SEWER PROFILE

SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
APPROACH ROADS

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R113

STORM SEWER QUANTITIES

18" S&F HDWL	PIPE 18"	JUNCTION BOX
EACH	FEET	EACH
1	28.03	1

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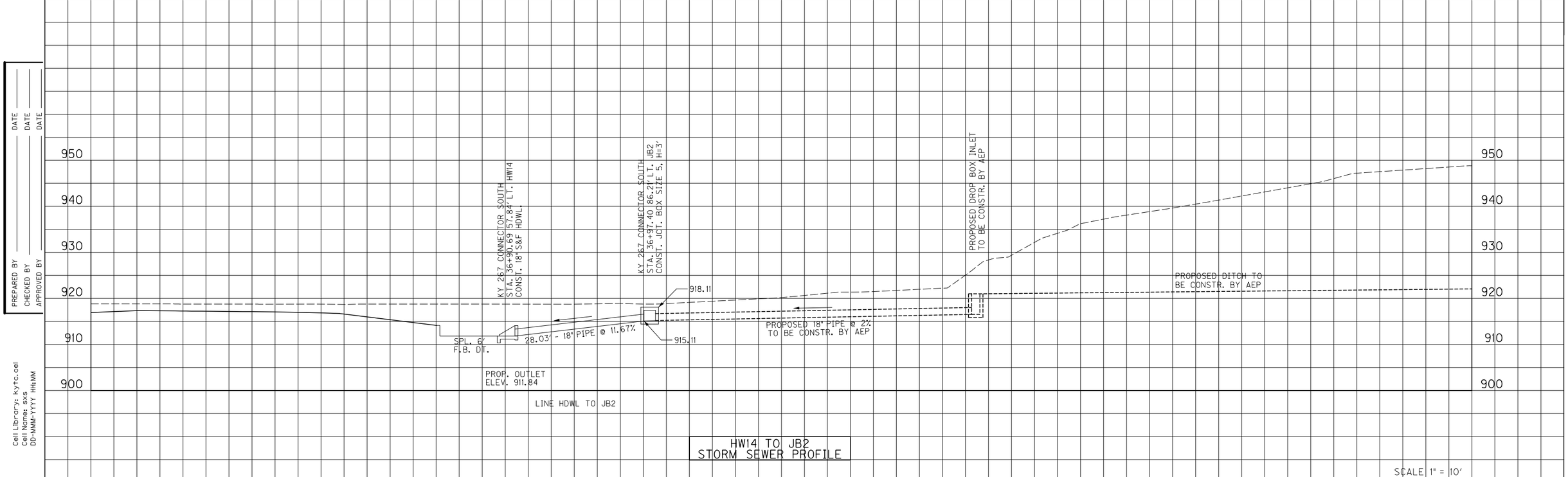


HW14 TO JB2
STORM SEWER PROFILE

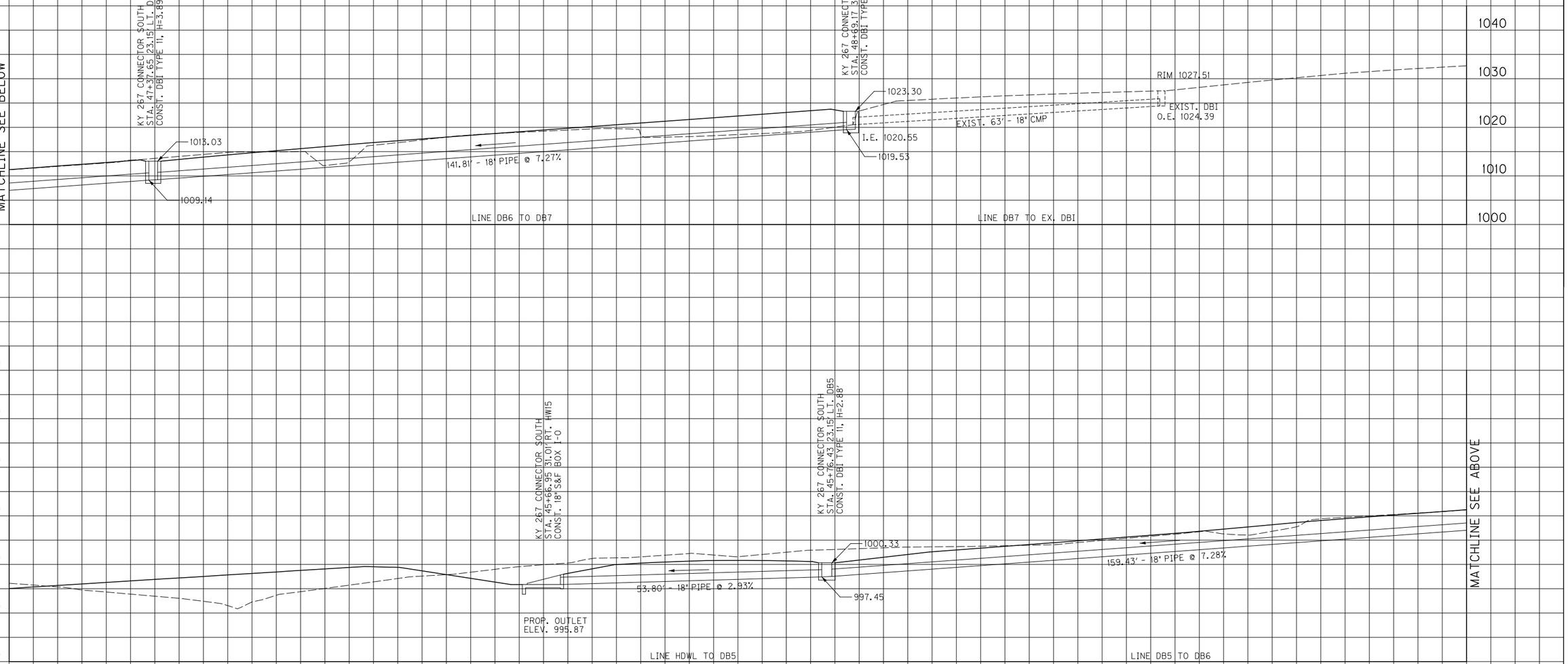
SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
APPROACH ROADS

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	R114

STORM SEWER QUANTITIES

DBI TYPE 11	PIPE 18"	18" S&F BOX I-O
EACH	FEET	EACH
3	355.04	1



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HW15 TO EXIST. DBI
STORM SEWER PROFILE

SCALE 1" = 10'

STORM SEWER PROFILE
KY 15 RELOCATION
APPROACH ROADS

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X001

LT. STA. 115+90, TIE TO EXISTING DITCH, BEGIN SPL. 2' F.B. DT. @ 0.89%, ELEV. 1149.50

RT. STA. 115+90, TIE TO EXISTING DITCH, BEGIN SPL. 'V' DT. @ 0.50%, ELEV. 1156.04

INTERPOLATED RDZ

STA. 115+90 BEGIN CONSTRUCTION - TIE TO EXISTING
BEGIN TRANSITION FROM EXISTING TO FULL SUPERELEVATION

1152.37 (9.1%) 1154.7 1154.71 (9.8%) 1157.05 (9.3%)

PHASE 2

PHASE 4

1340 1320 1300 1280 1260 1240 1220 1200 1180 1160 1140 1120

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180

115+90

SCALE 1" = 20'

CROSS SECTIONS ON THIS PROJECT WERE DEVELOPED FROM AERIAL PHOTOGRAPHY AND MODIFIED BASED ON FIELD SURVEY DATA

PREPARED BY DATE
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KENTUCKY DEPARTMENT OF HIGHWAYS
COUNTY OF
PERRY

PROJECT NUMBERS: **KY 15 RELOCATION**
FD52 097 0015 015-021 0

CROSS SECTION
KY 15 RELOCATION
STA. 115+90 TO STA. 115+90

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X002

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 116+00 TO STA. 116+00

PREPARED BY _____ DATE _____
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DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X003

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
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CROSS SECTION
KY 15 RELOCATION
STA. 116+50 TO STA. 116+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X004

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 117+00 TO STA. 117+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X005

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 117+50 TO STA. 117+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X006

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 118+00 TO STA. 118+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
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DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X007

RT. STA. 118+90, END SPL. 'V' DT.
@ 0.50%, BEGIN 15" ENTR. PIPE @
1.14%, ELEV. 1156.57

INTERPOLATED RDZ

1.8:1

1.2:1

15" OB
1183.7

1.2:1

18" IB
1165.9

3.4:1

1155.22

1156.6
1157.31
@ 0.9%

4:1

4.55'

1159.43

6.5:1

1156.77
@ 0.50 %

4.0:1

PHASE 2

PHASE 4

1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

SCALE 1" = 20'

118+50

CROSS SECTION
KY 15 RELOCATION
STA. 118+50 TO STA. 118+50

PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

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COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X008

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 119+00 TO STA. 119+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X009

INTERPOLATED RDZ

LT. STA. 119+78.23, END 2' F.B. DT.
@ NORMAL DEPTH, BEGIN 2' F.B. DT.
@ NORMAL DEPTH, ELEV. 1151.22

RT. STA. 119+90, END 15" ENTR.
PIPE @ 1.14%, BEGIN SPL. "V"
DT. @ 0.77%, ELEV. 1155.37

RT. STA 119+75.23, END 25:1 SHOULDER TAPER

1.7:1
1/2:1
20' IB
1192.6
1/2:1
18' IB
1165.7
3/4:1
1155.00
1155.2
1156.97
1158.95
0.99'
1.2%
4:1
6.36'
15" PIPE
V.P.O.T. 86.94' RT.
ELEV. 1159.95
CLOSED GAS STA. BLDG.

PHASE 2
PHASE 4

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

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SCALE 1" = 20'

119+50

CROSS SECTION
KY 15 RELOCATION
STA. 119+50 TO STA. 119+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X010

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 120+00 TO STA. 120+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X011

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 120+50 TO STA. 120+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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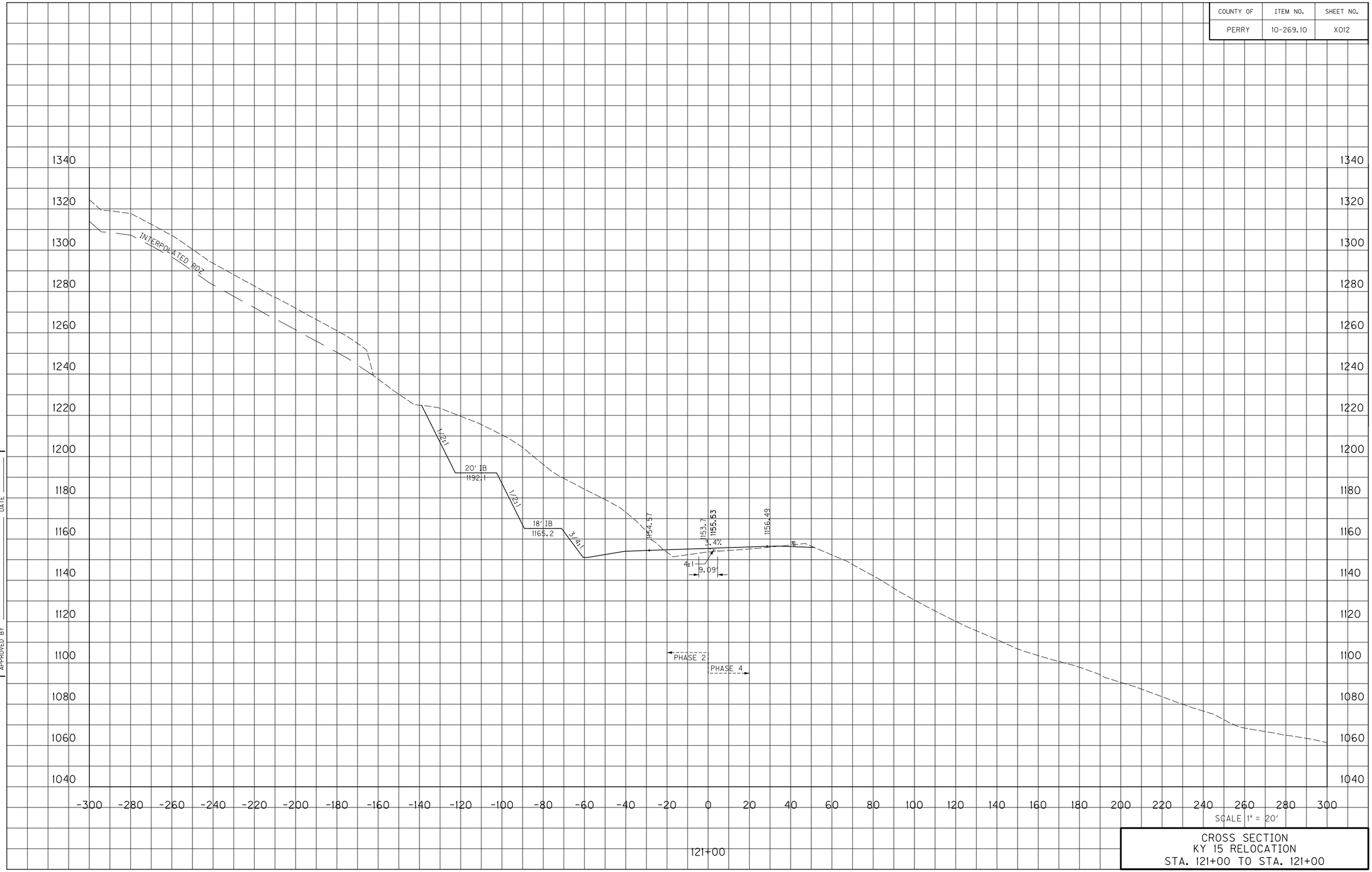
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X012



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 121+00 TO STA. 121+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X013

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 121+50 TO STA. 121+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X014

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 122+00 TO STA. 122+00

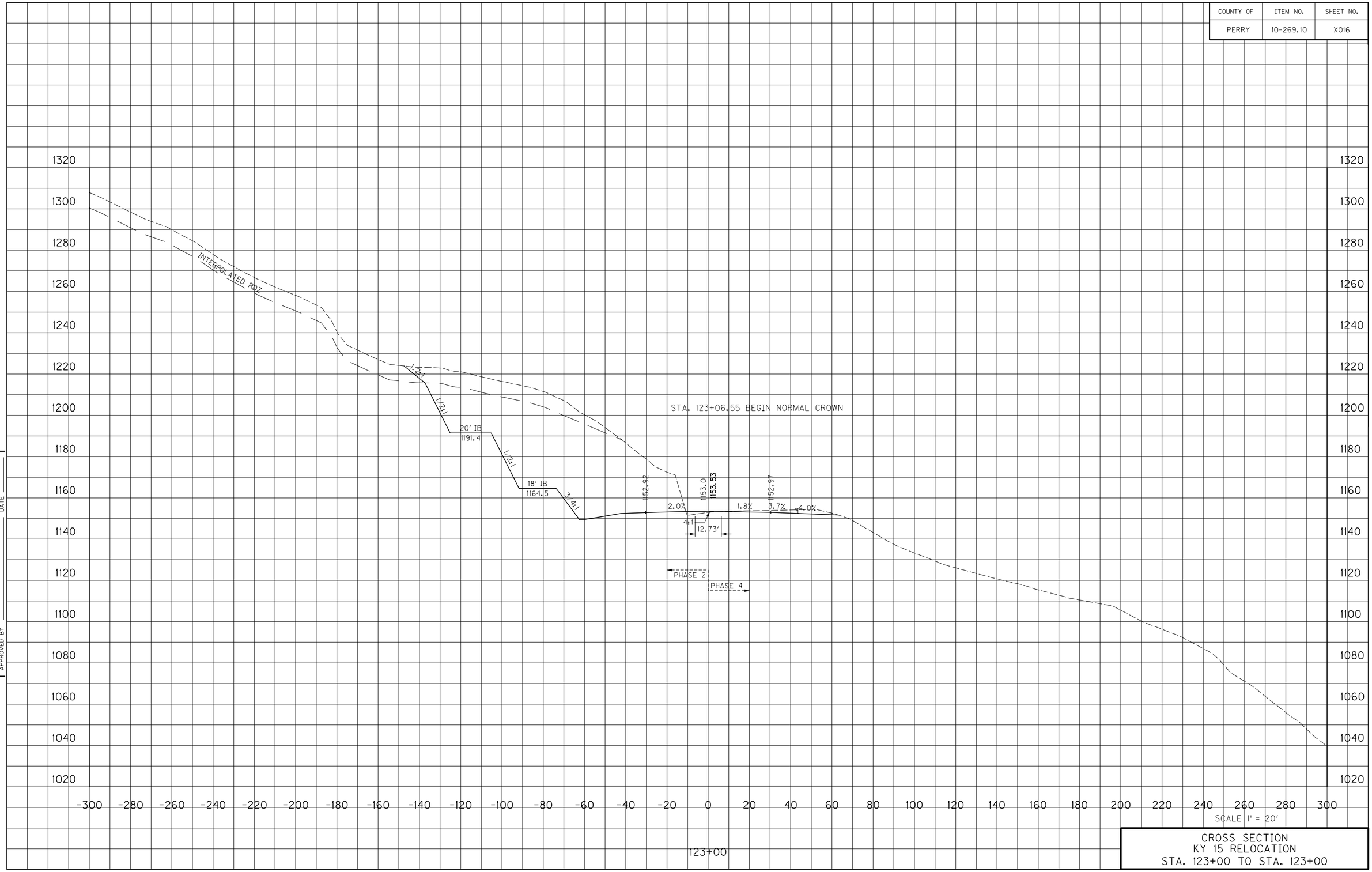
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X015

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 122+50 TO STA. 122+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X016



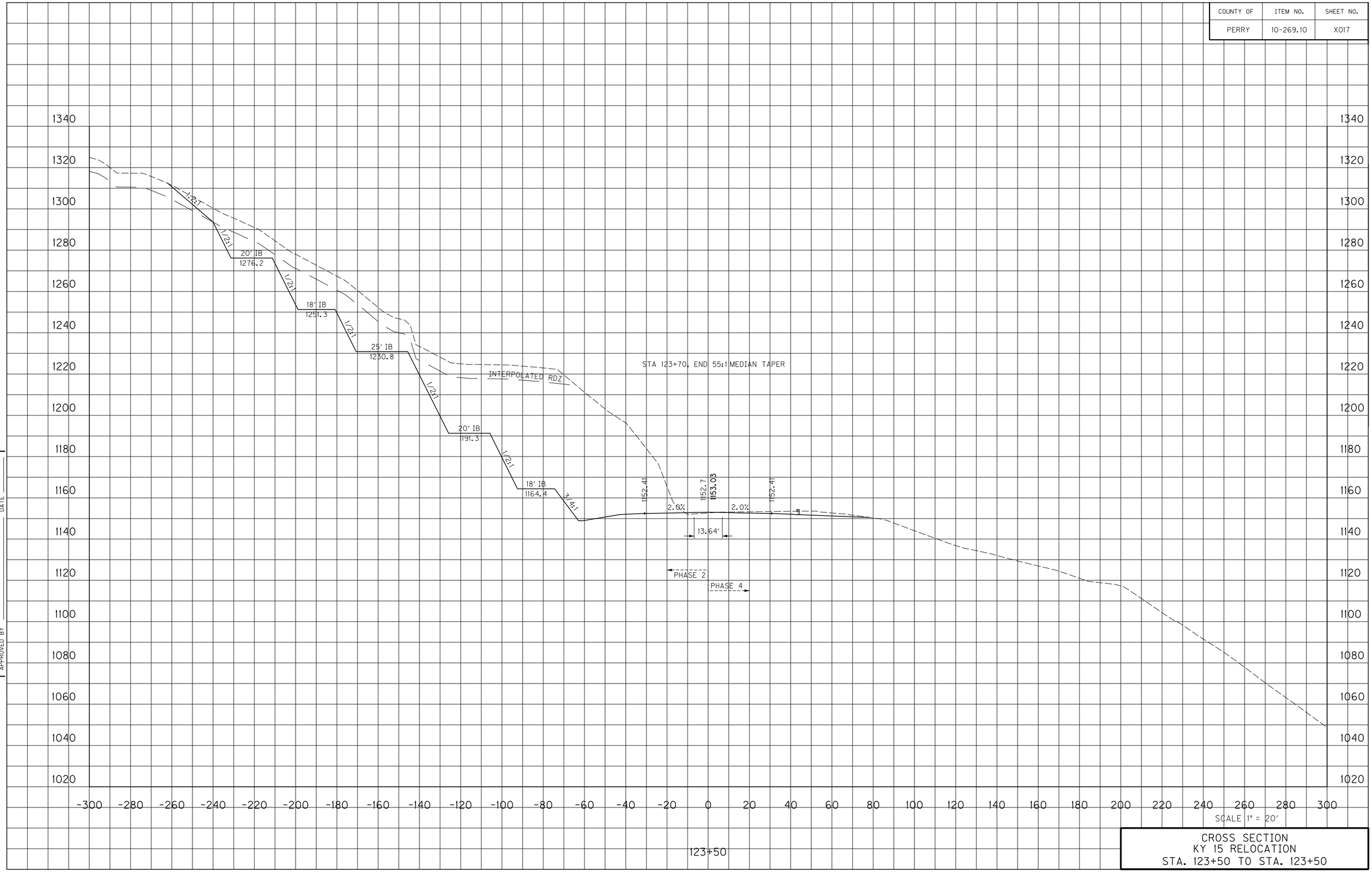
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 123+00 TO STA. 123+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X017



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 123+50 TO STA. 123+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X018

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 124+00 TO STA. 124+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X019

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 124+50 TO STA. 124+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X020

DATE
DATE
DATE

PREPARED BY
CHECKED BY
APPROVED BY

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 125+00 TO STA. 125+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X021

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 125+50 TO STA. 125+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X022

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 126+00 TO STA. 126+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X023

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 126+50 TO STA. 126+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X024

DATE
DATE
DATE

PREPARED BY
CHECKED BY
APPROVED BY

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 127+00 TO STA. 127+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X025

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 127+50 TO STA. 127+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X026

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 128+00 TO STA. 128+00

PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X027

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 128+50 TO STA. 128+50

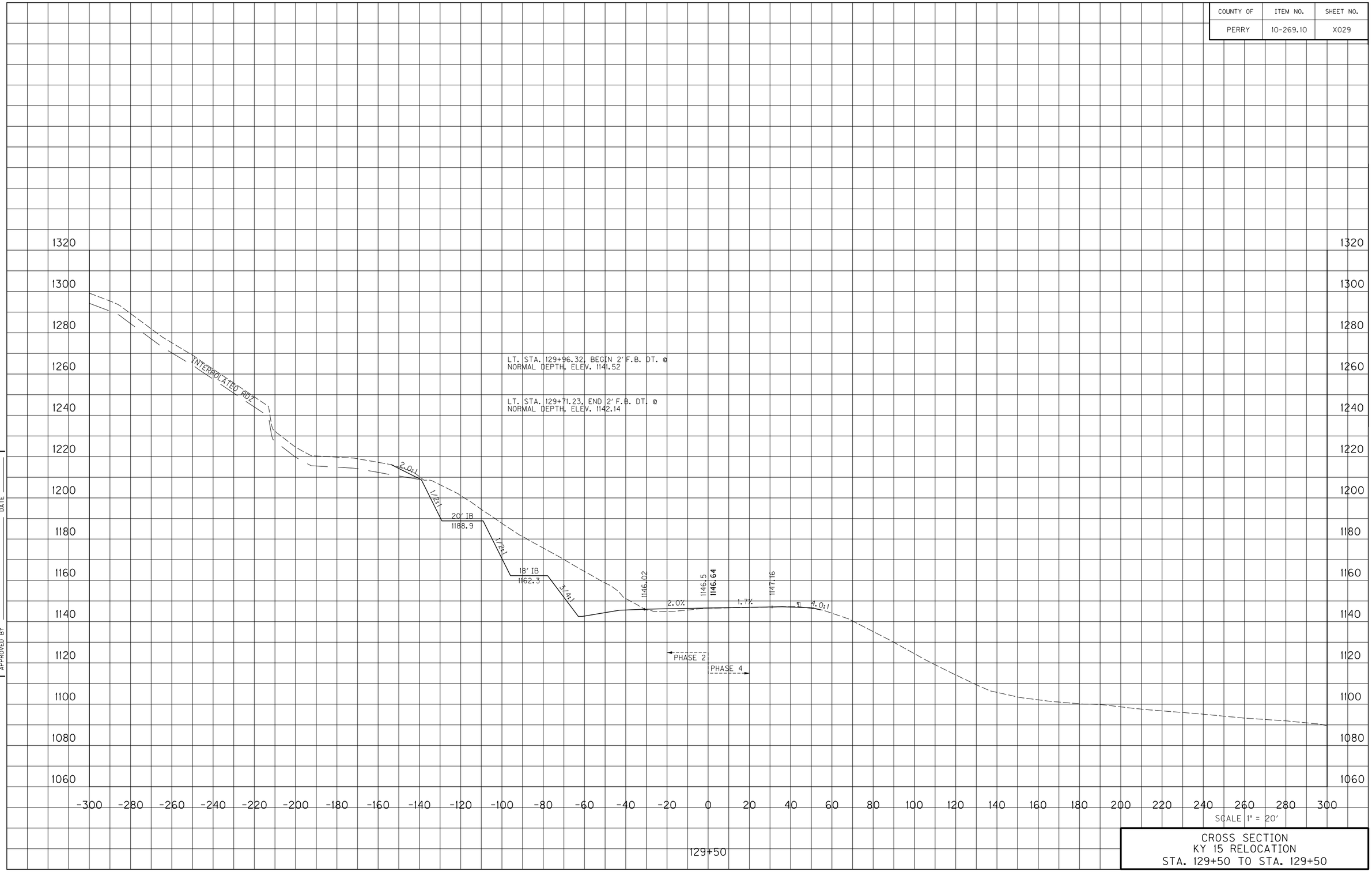
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X028

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 129+00 TO STA. 129+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X029



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 129+50 TO STA. 129+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X030

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 130+00 TO STA. 130+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X031

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 130+50 TO STA. 130+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X032

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 131+00 TO STA. 131+00

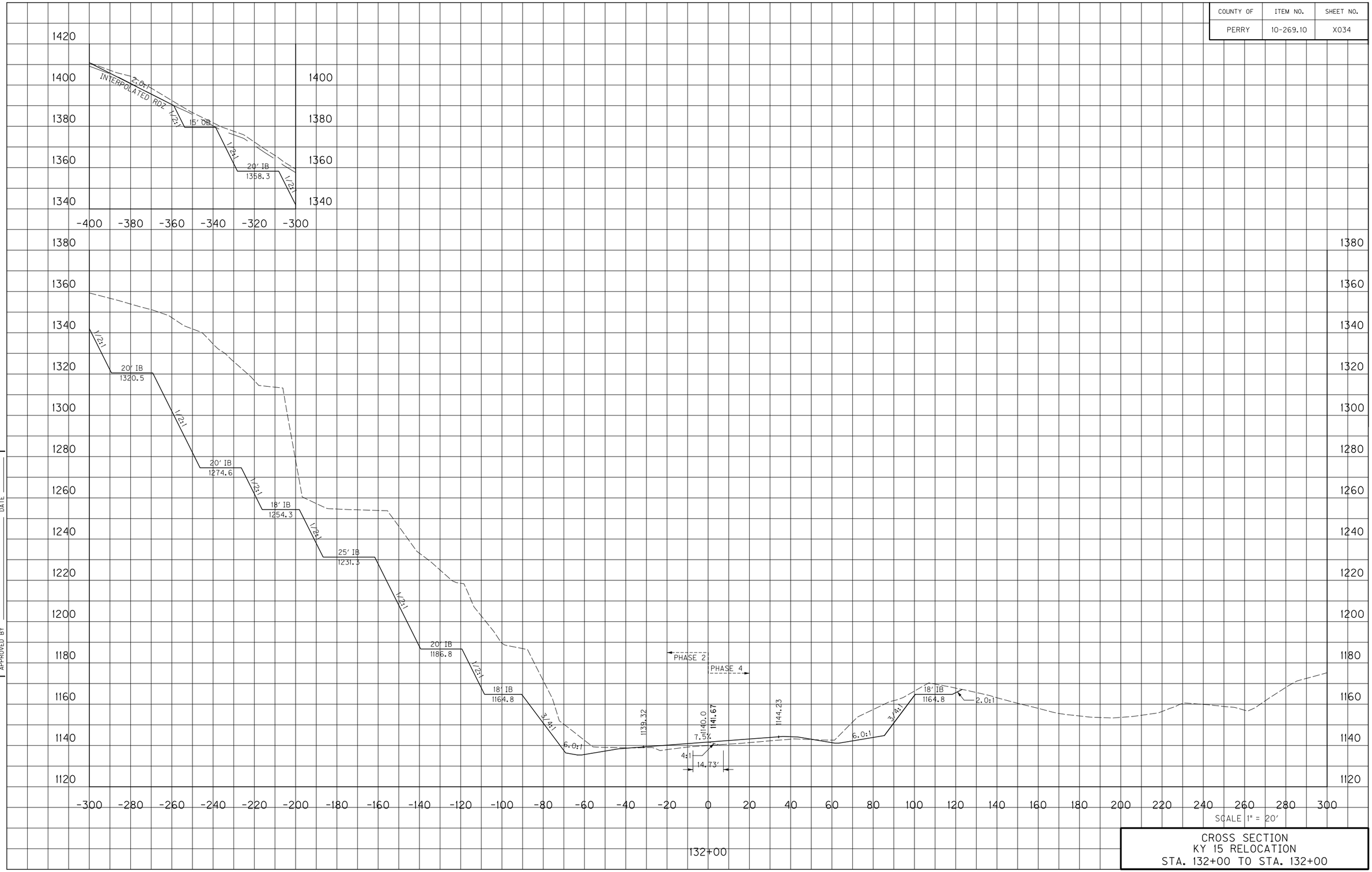
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X033

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 131+50 TO STA. 131+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X034

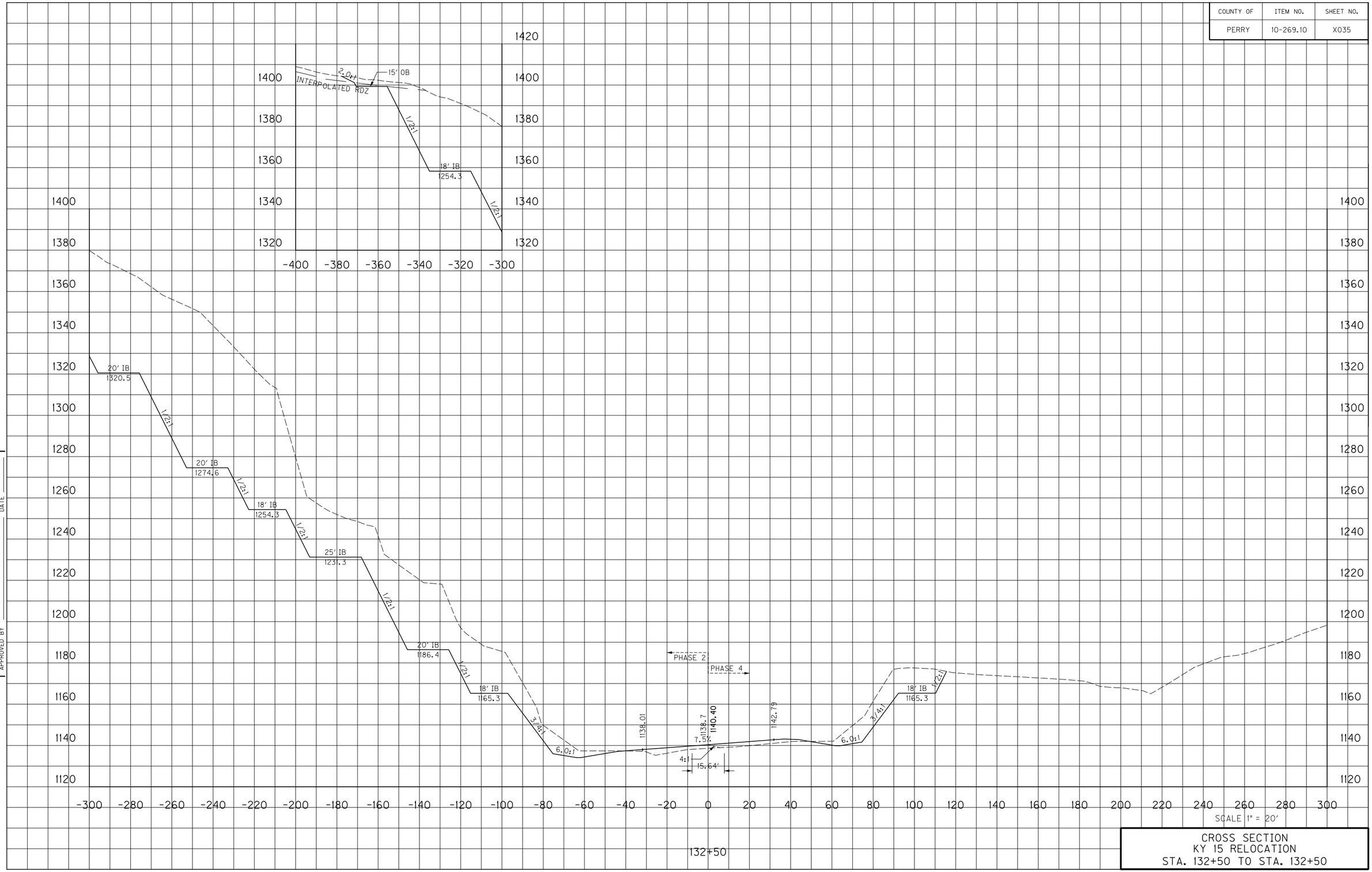


CROSS SECTION
KY 15 RELOCATION
STA. 132+00 TO STA. 132+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X035

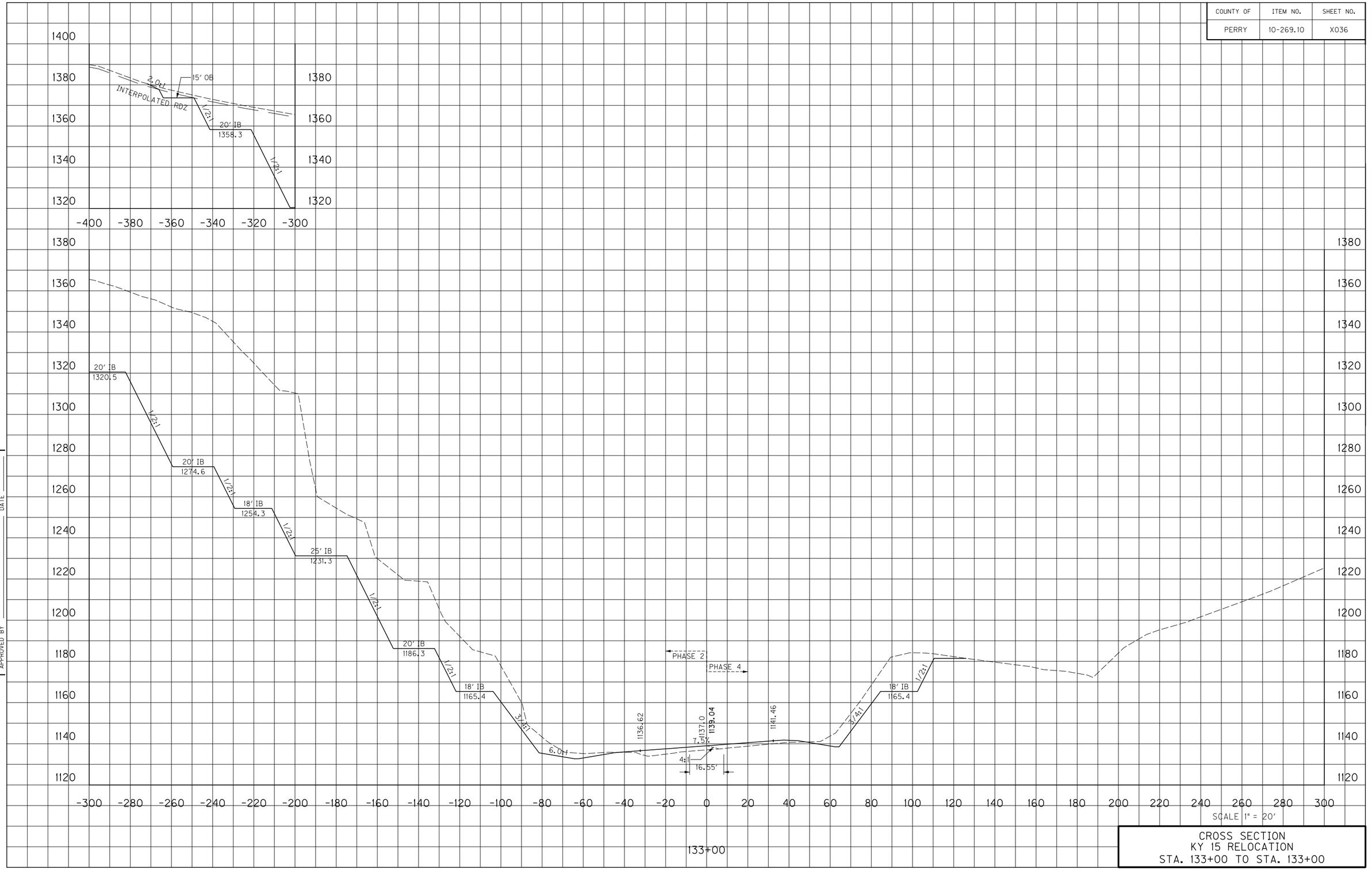


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 132+50 TO STA. 132+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X036



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

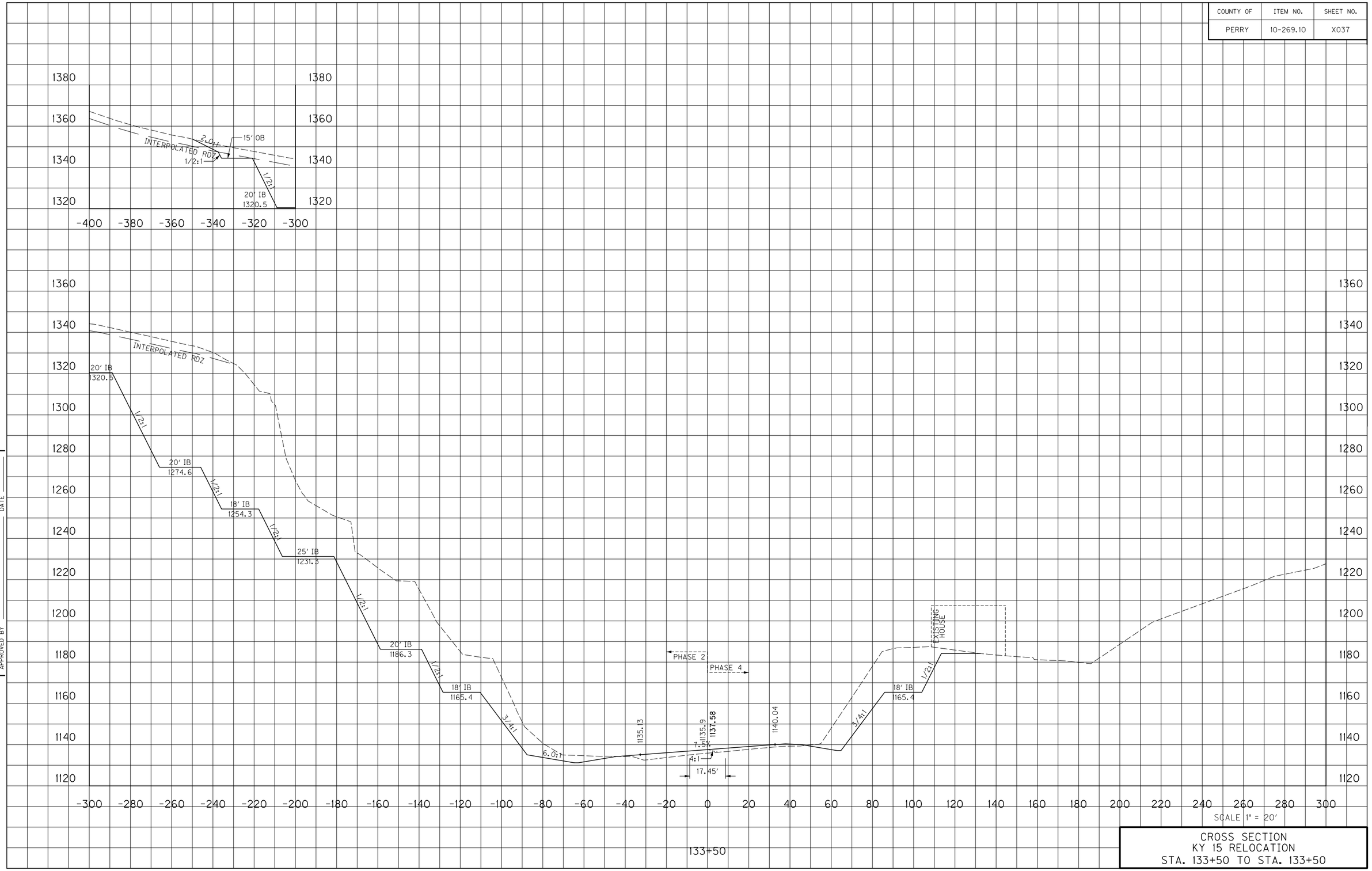
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 133+00 TO STA. 133+00

133+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X037

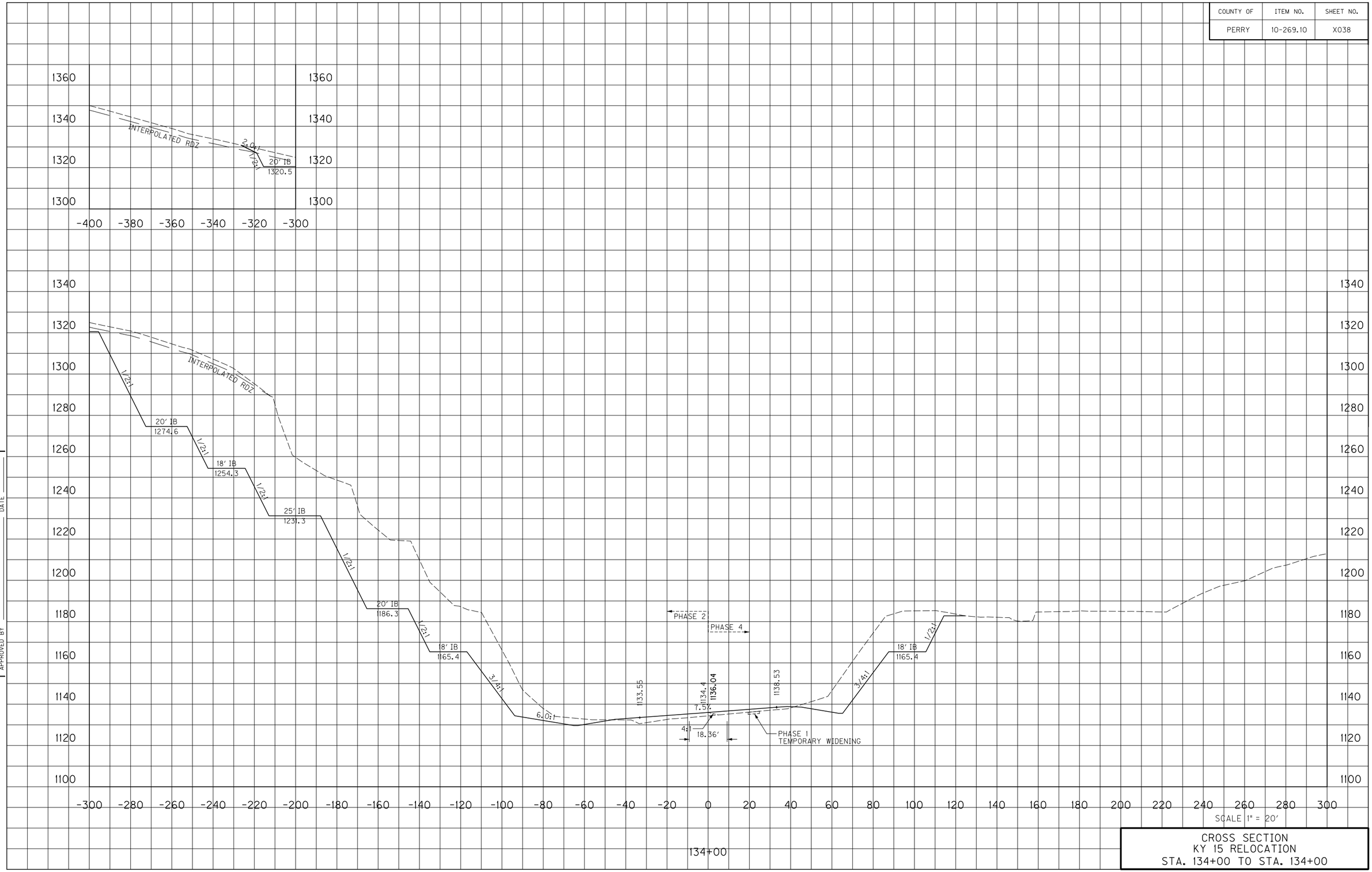


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 133+50 TO STA. 133+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X038



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 134+00 TO STA. 134+00

134+00

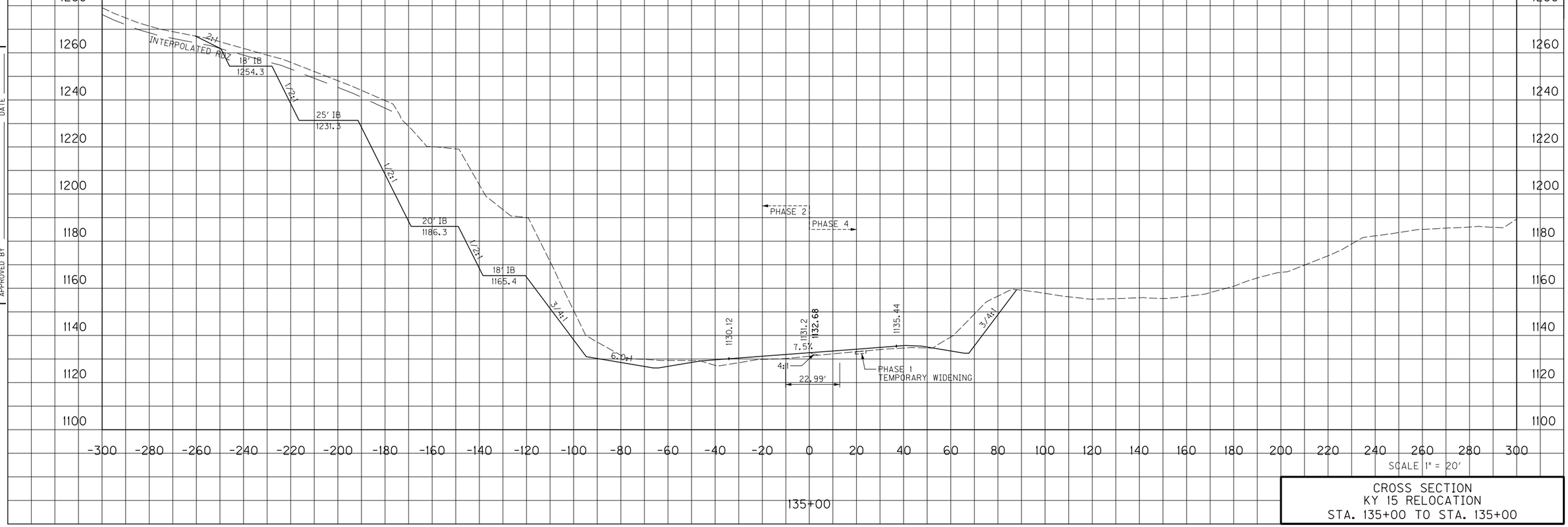
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X039

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 134+50 TO STA. 134+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X040



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

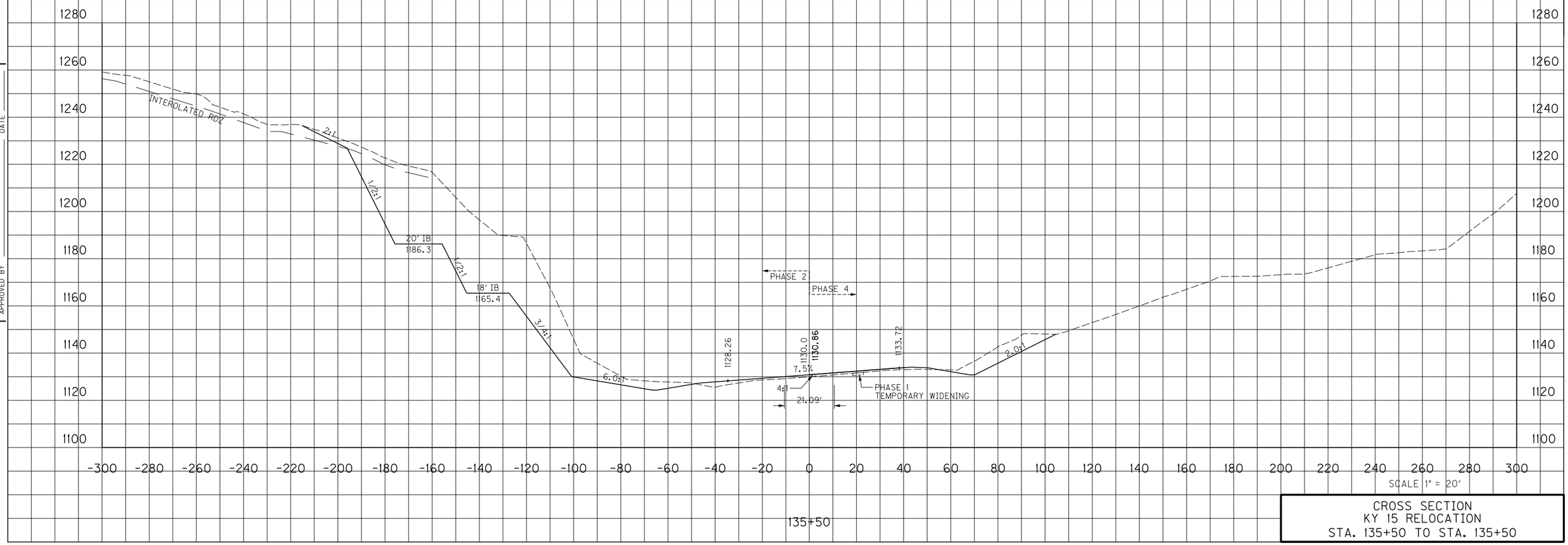
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 135+00 TO STA. 135+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X041

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
KY 15 RELOCATION
STA. 135+50 TO STA. 135+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X042

LT. STA. 136+50.00, END 2' F.B. DT. @
NORMAL DEPTH, BEGIN 2.5' F.B. INLET
DT. @ 5.44%, ELEV. 1120.38

RT. STA. 136+50.00, END 2' F.B. DT. @
NORMAL DEPTH, BEGIN 2.5' F.B. INLET
DT. @ 6.89%, ELEV. 1127.56

1120.38
5.44 %
1124.28
1126.8
1126.94
1130.47
7.5%
22.91'
2.0:1
PHASE 1
TEMPORARY WIDENING

136+50

INTERPOLATED RDZ
2:1
1:2:1
20' IB
1186.3
1:2:1
18' IB
1165.4
3:4:1
6:1
PHASE 2
PHASE 4
1126.32
1128.5
1128.94
1132.14
7.5%
22'
2.0:1
PHASE 1
TEMPORARY WIDENING

136+00

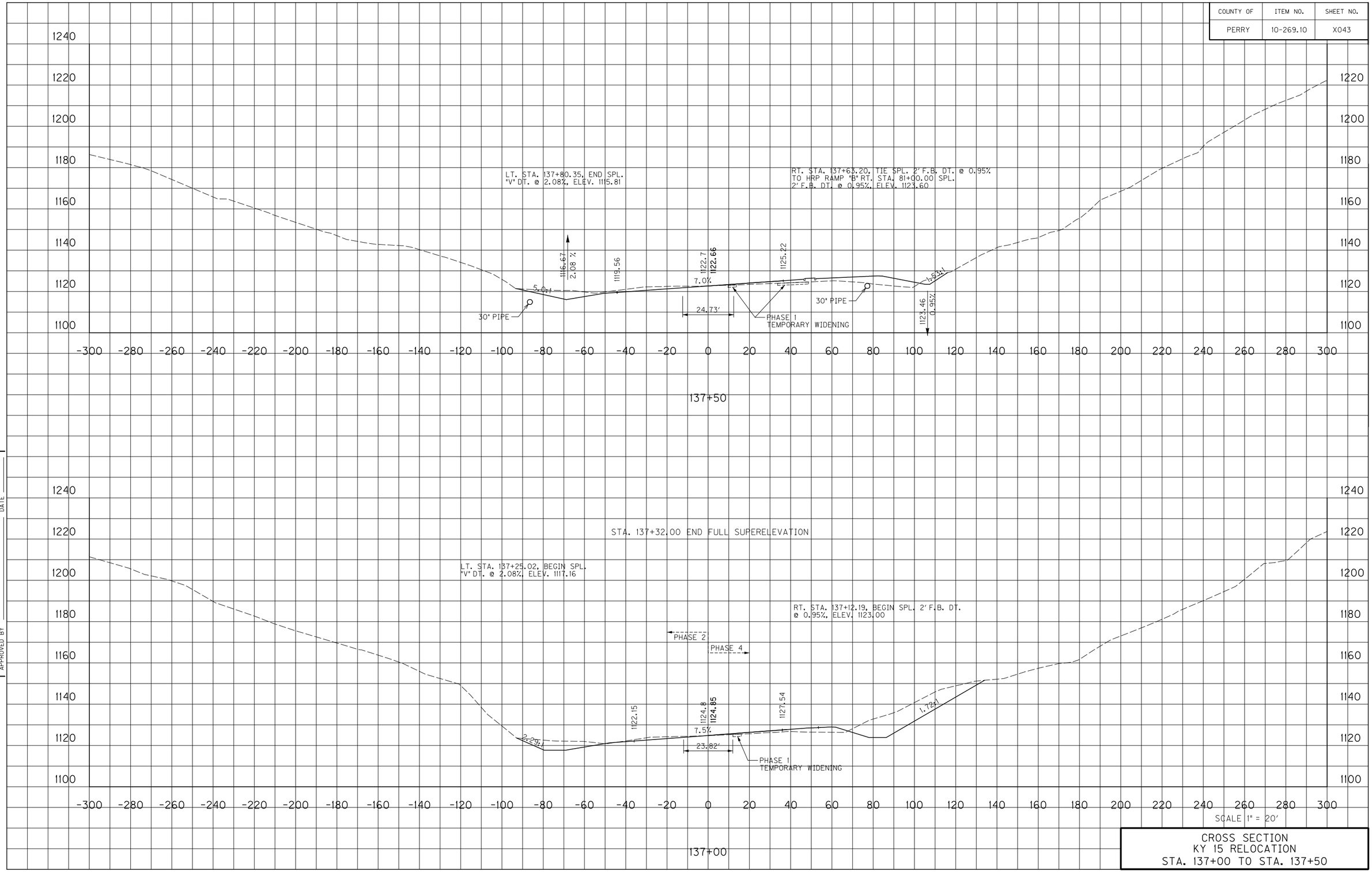
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 136+00 TO STA. 136+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X043



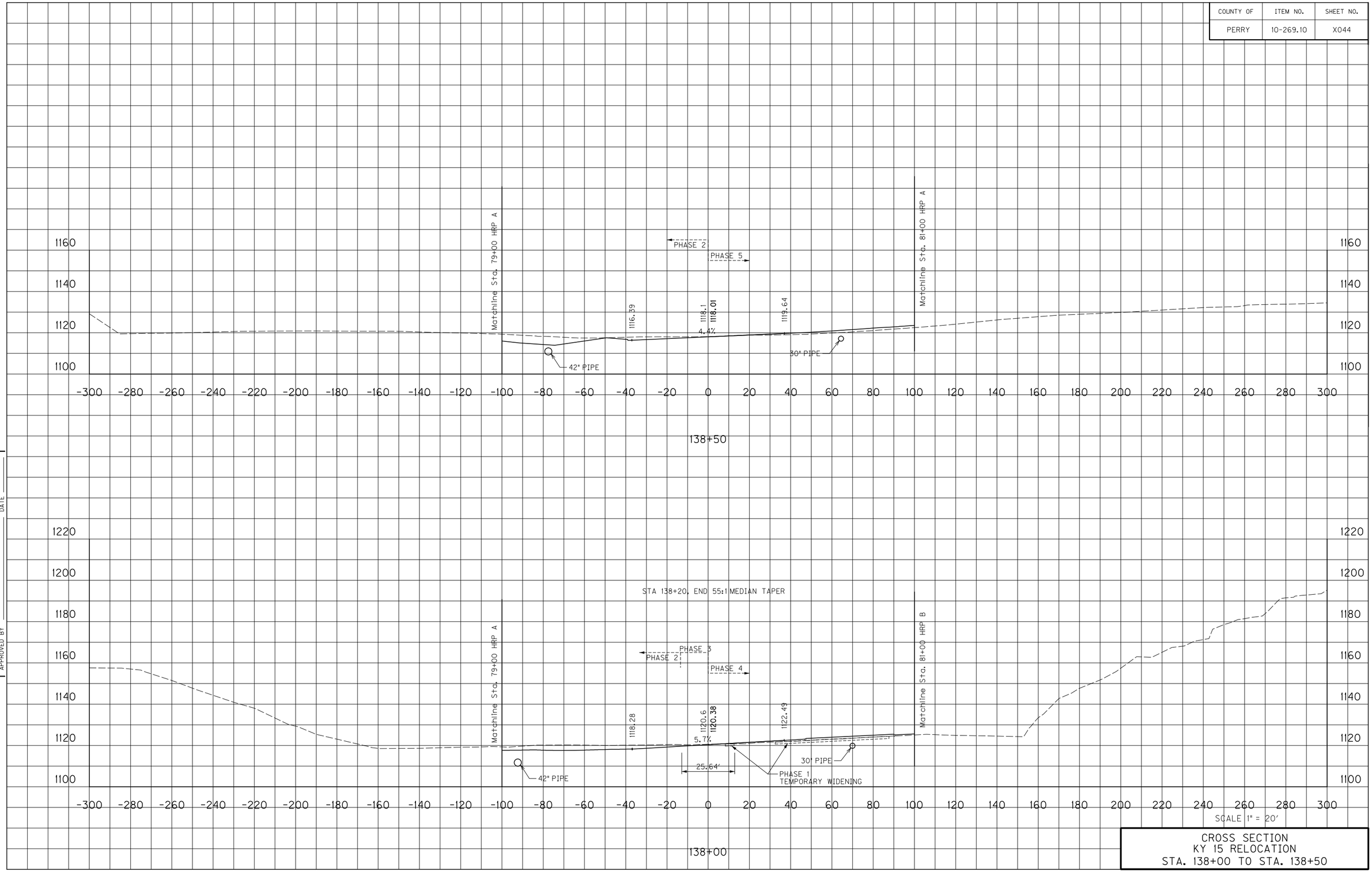
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 137+00 TO STA. 137+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X044

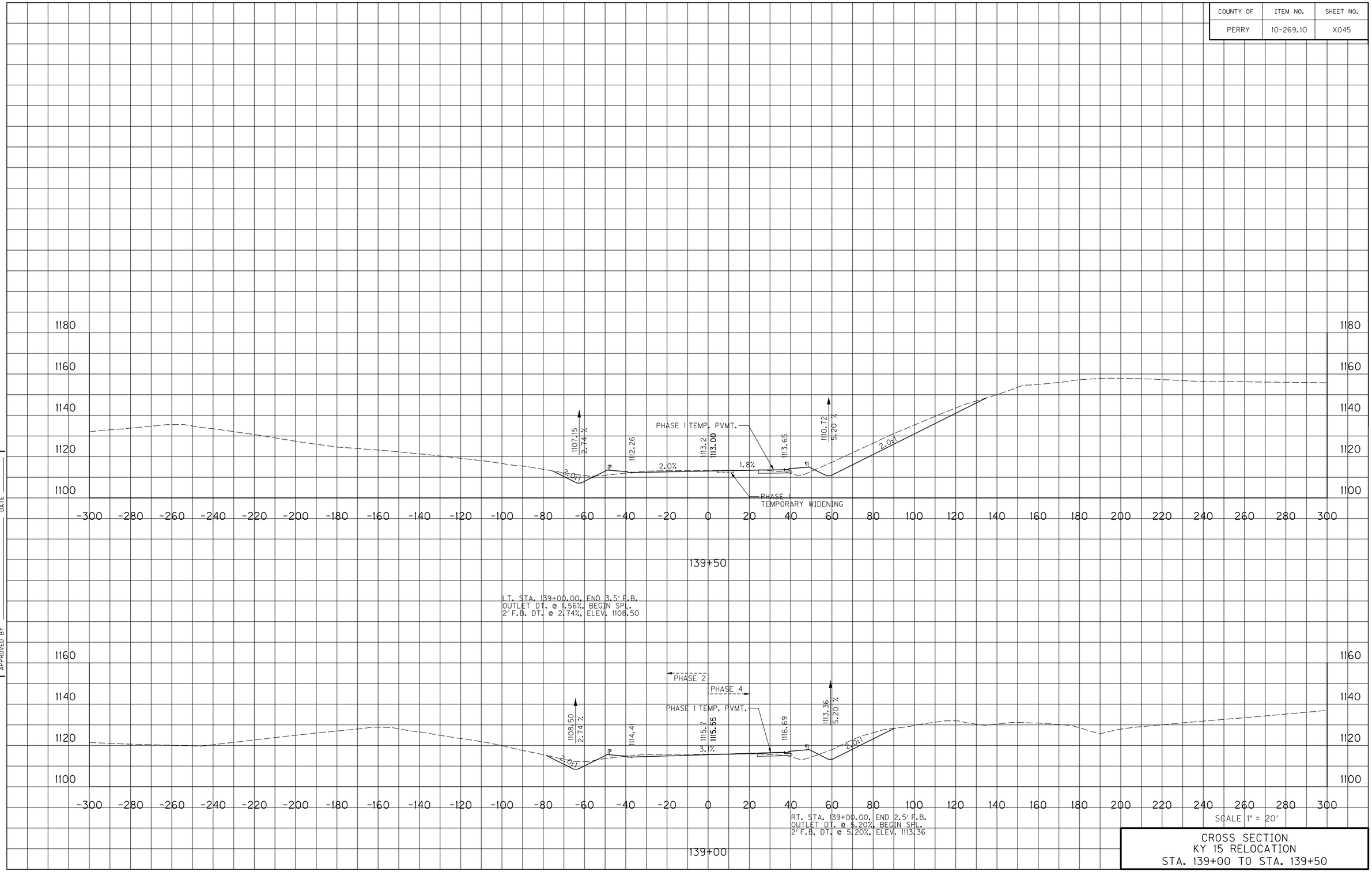


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 138+00 TO STA. 138+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X045



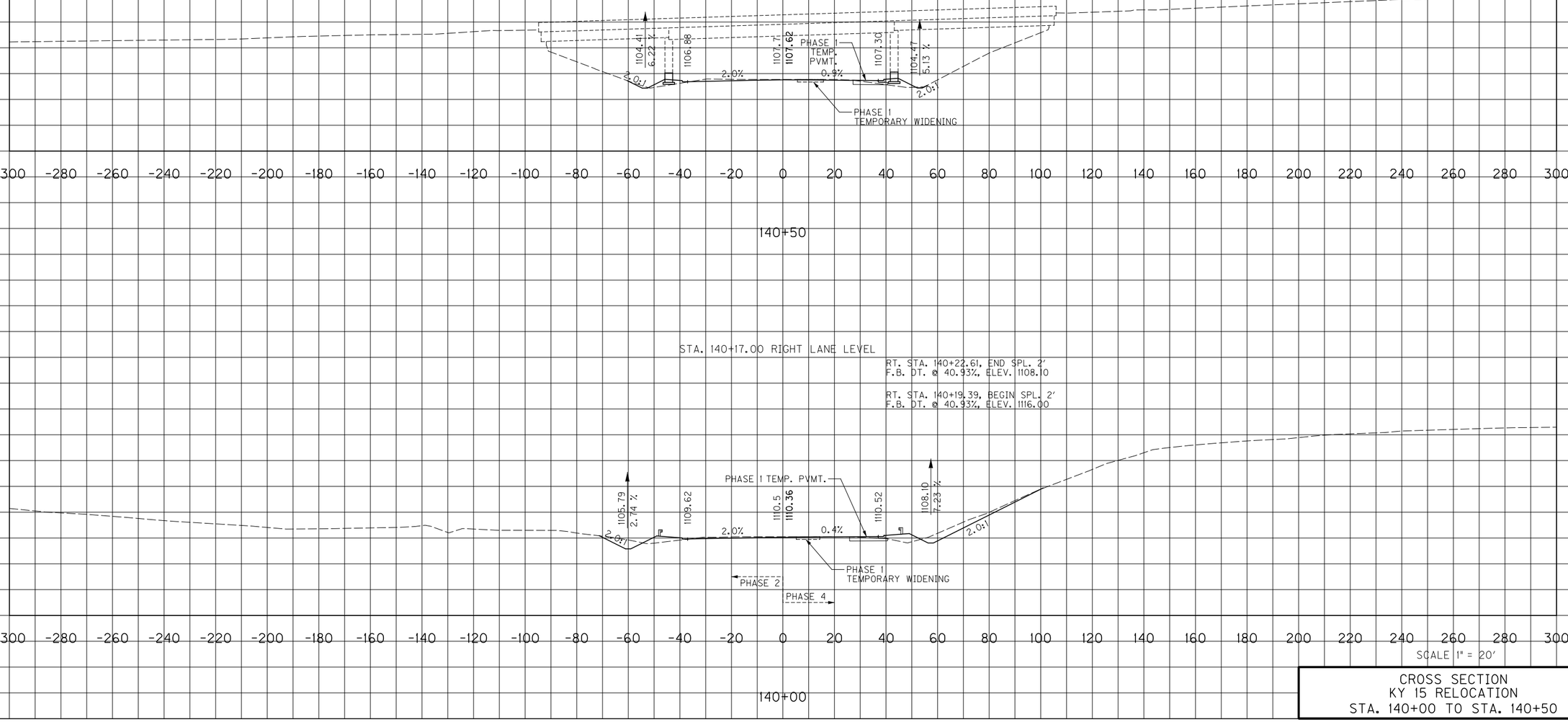
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 139+00 TO STA. 139+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X046

STA. 140+93.00 BEGIN NORMAL CROWN



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 140+00 TO STA. 140+50

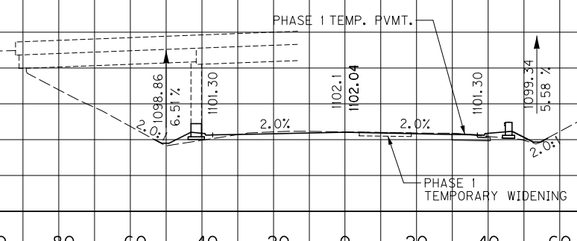
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

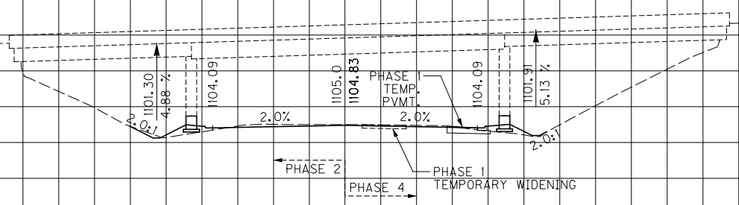
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X047

RT. STA. 141+89, END SPL. 2' F.B.
DT. @ 40.77%, TIE-IN TO SPL. 2'
F.B. DT. @ 5.58%, ELEV. 1097.17

RT. STA. 141+83, BEGIN SPL. 2'
F.B. DT. @ 40.77%, ELEV. 1101.10



141+50



141+00

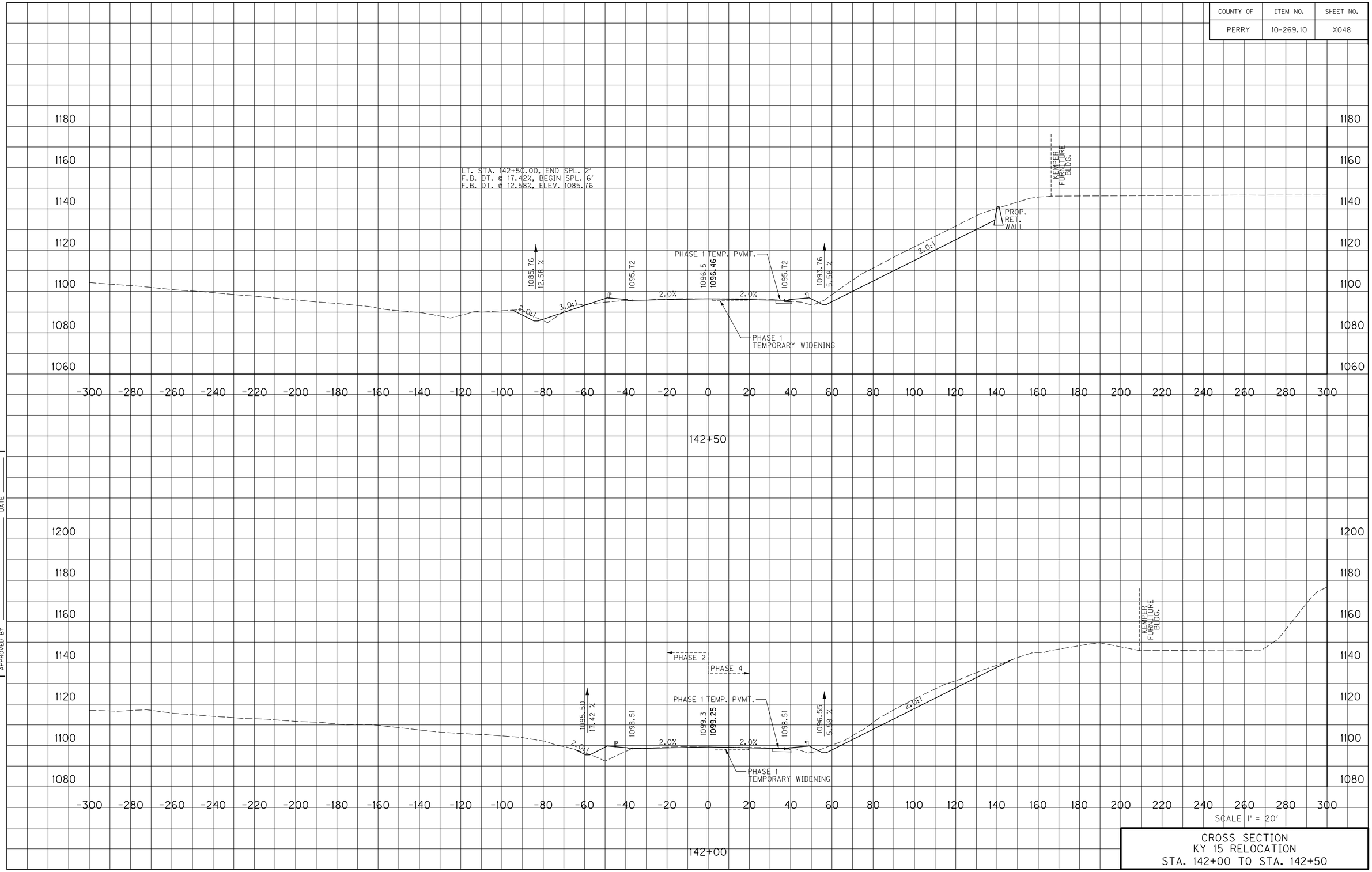
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 141+00 TO STA. 141+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X048



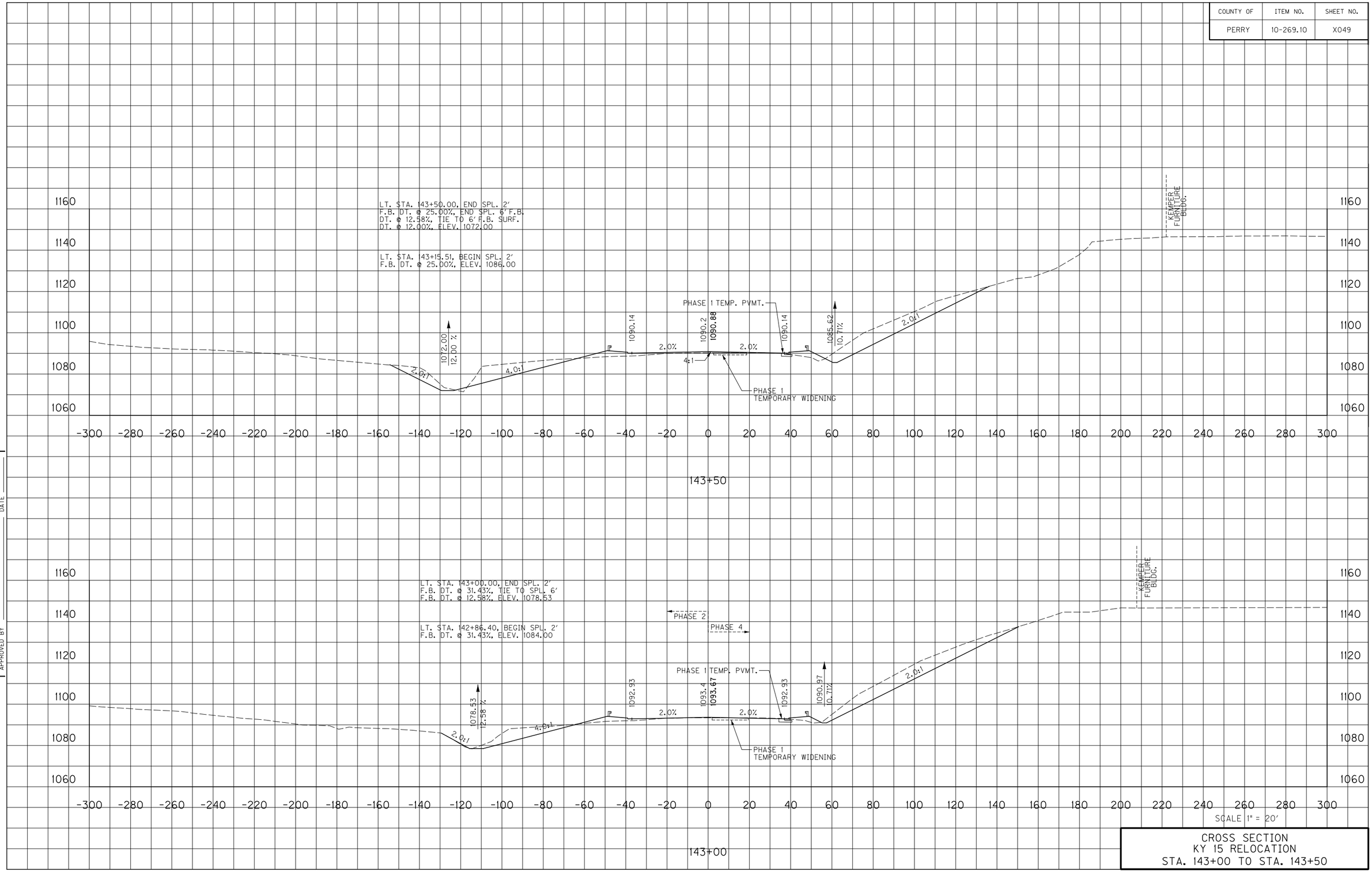
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 142+00 TO STA. 142+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X049



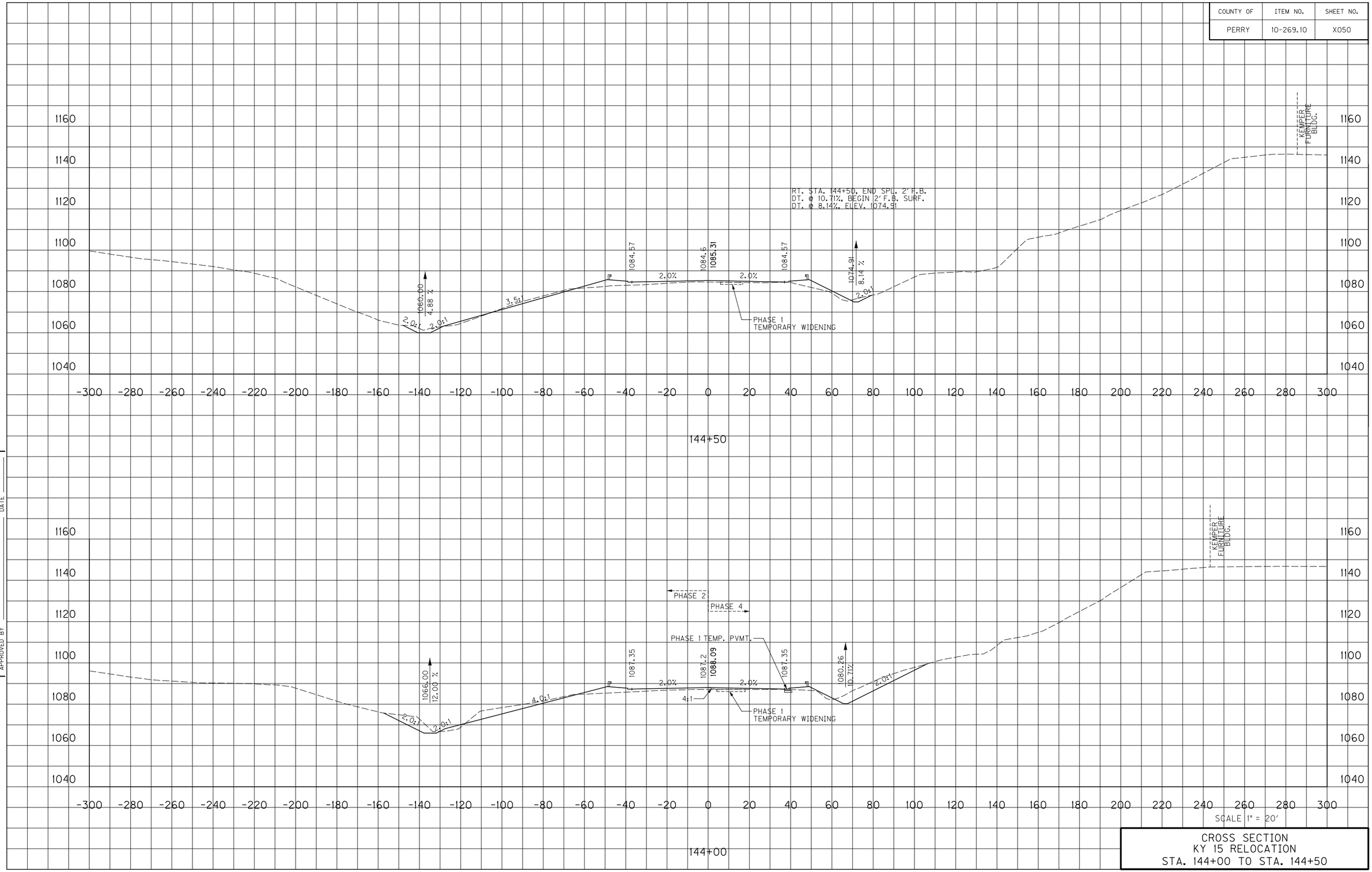
SCALE 1" = 20'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 143+00 TO STA. 143+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X050



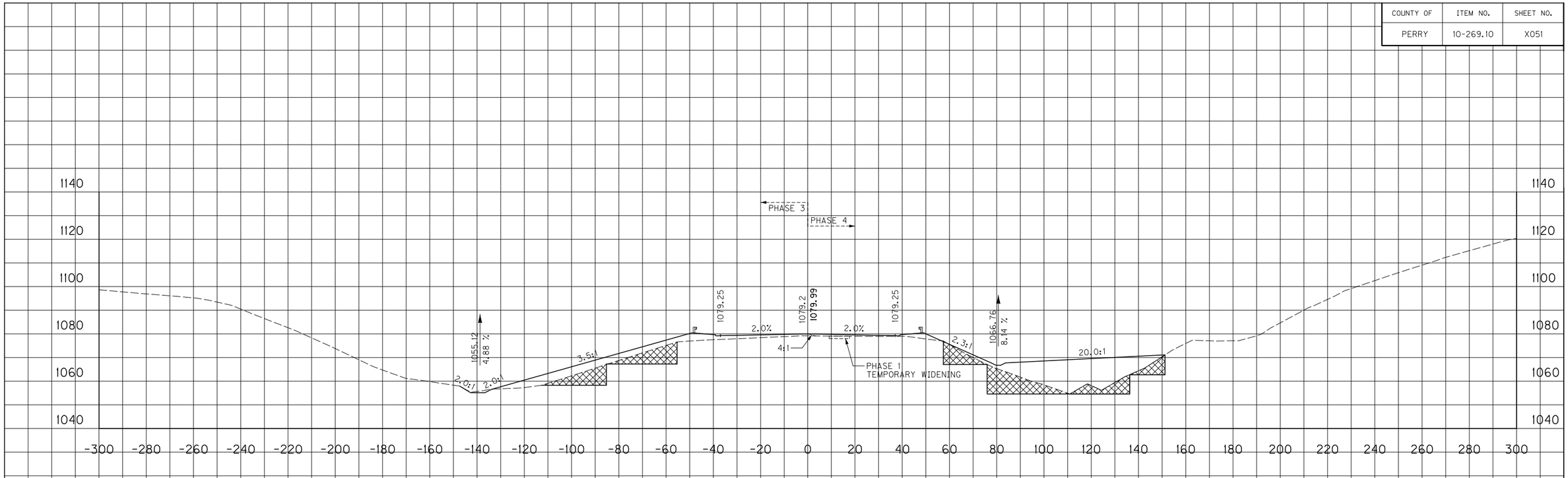
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 144+00 TO STA. 144+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X051



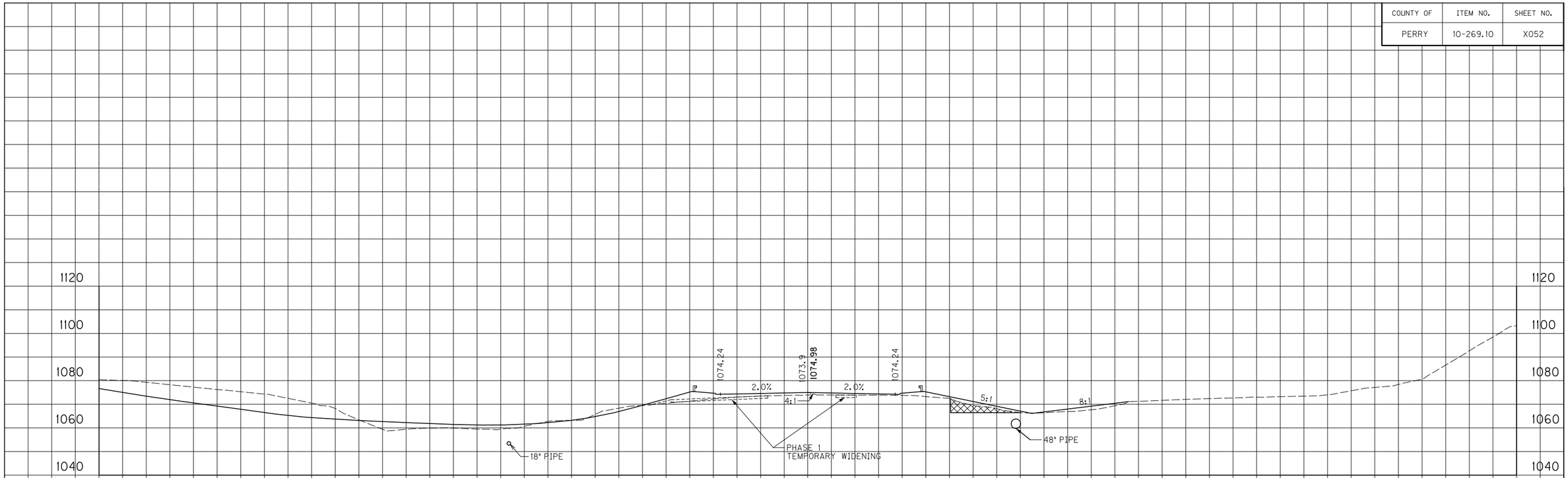
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

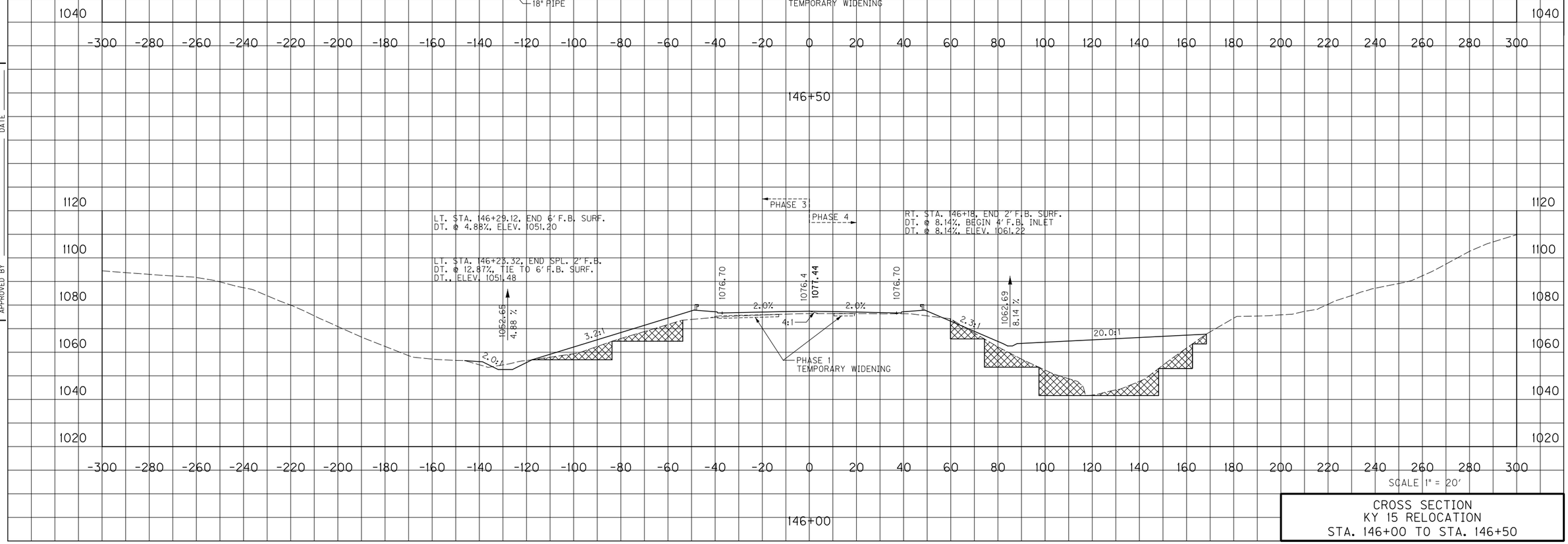
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 145+00 TO STA. 145+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X052



146+50



146+00

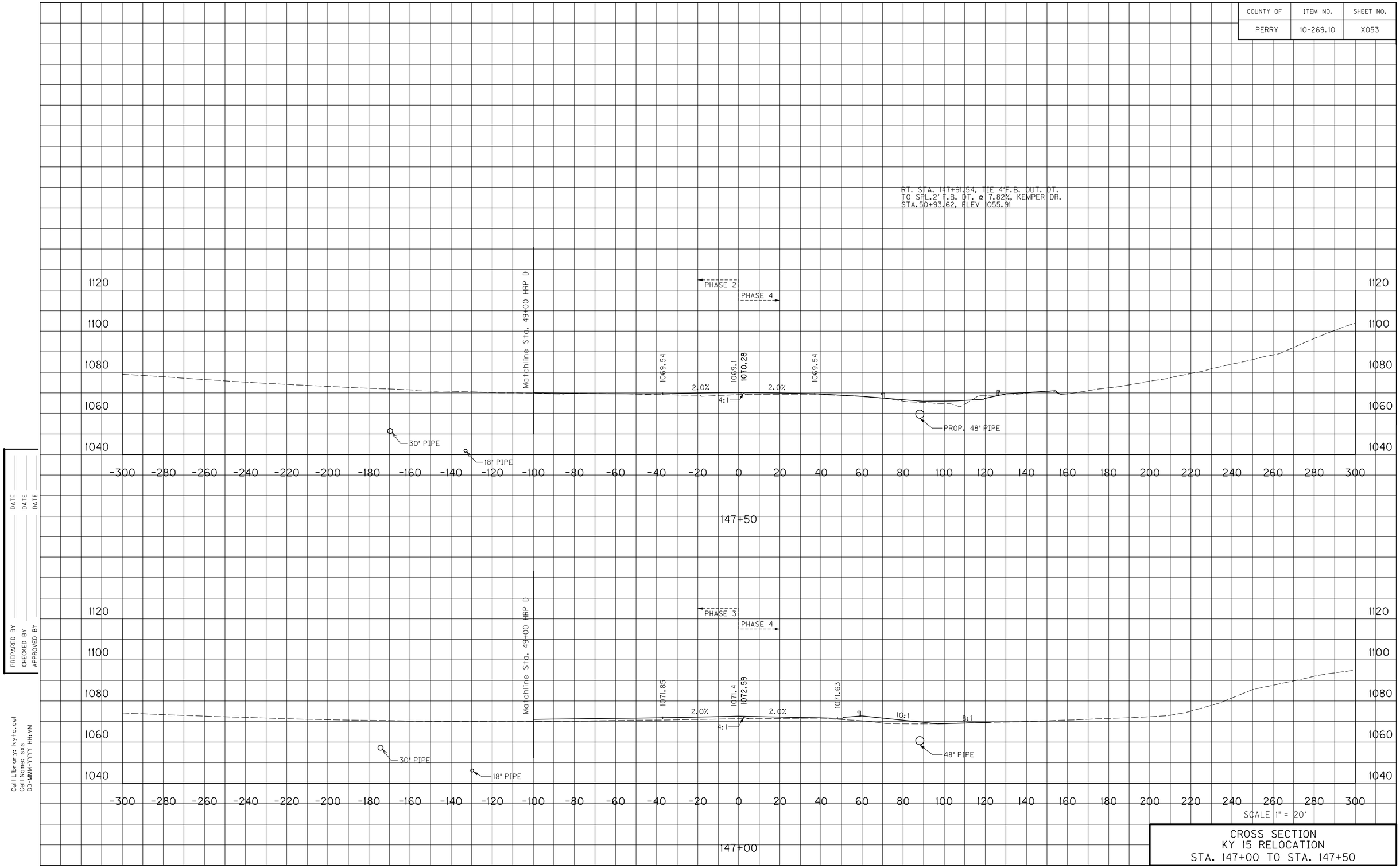
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 146+00 TO STA. 146+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X053

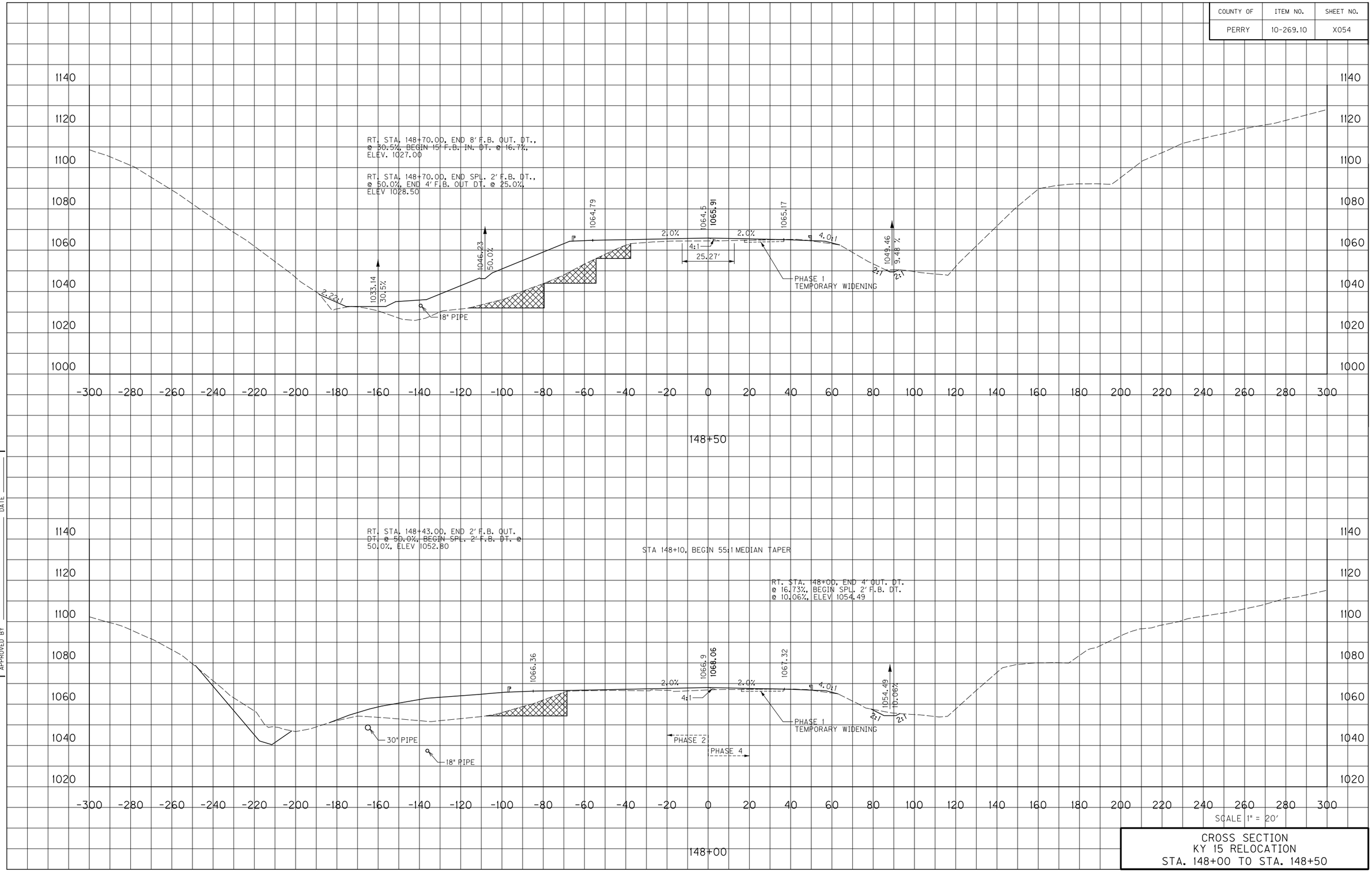


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 147+00 TO STA. 147+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X054



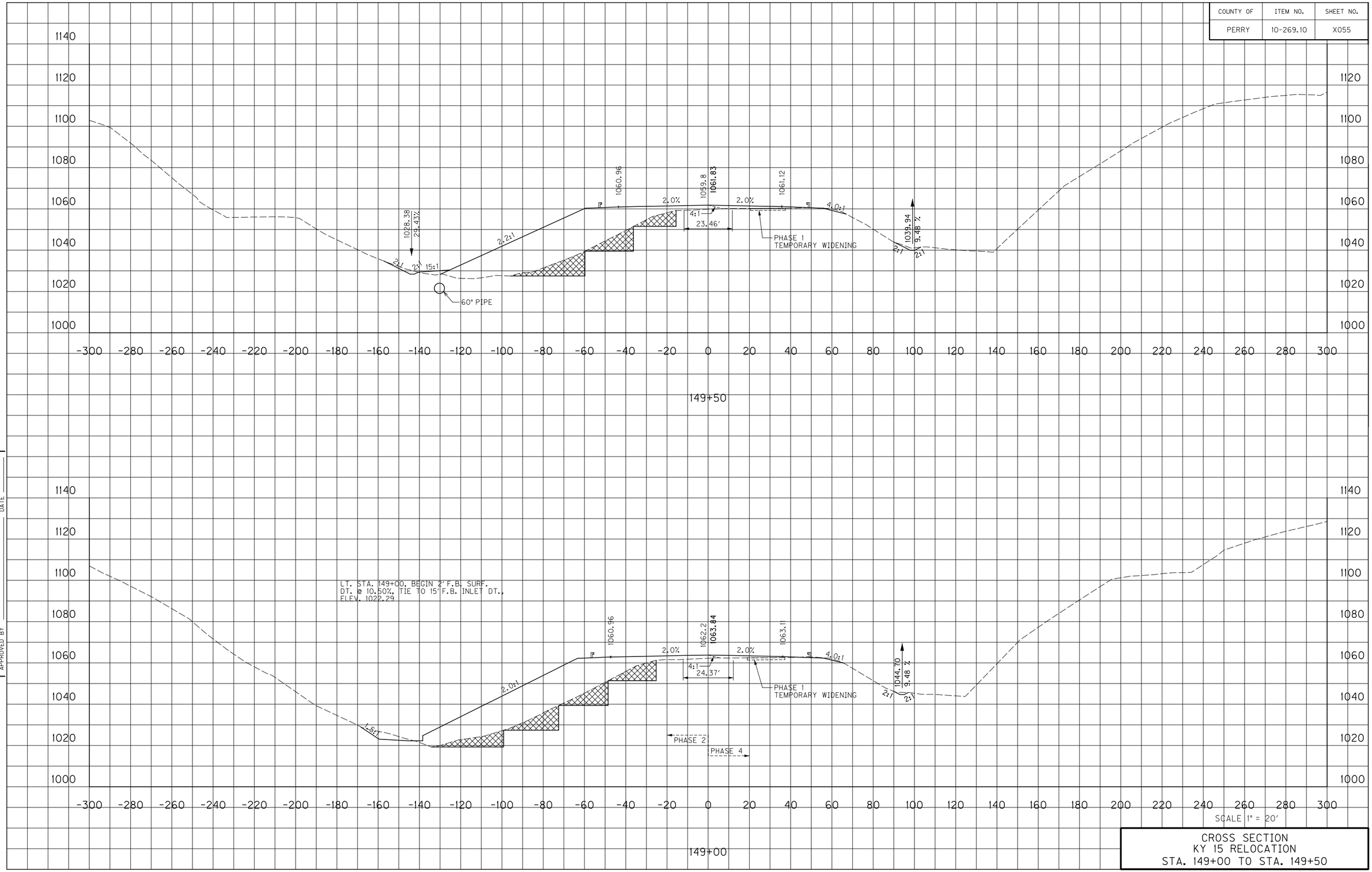
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 148+00 TO STA. 148+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X055

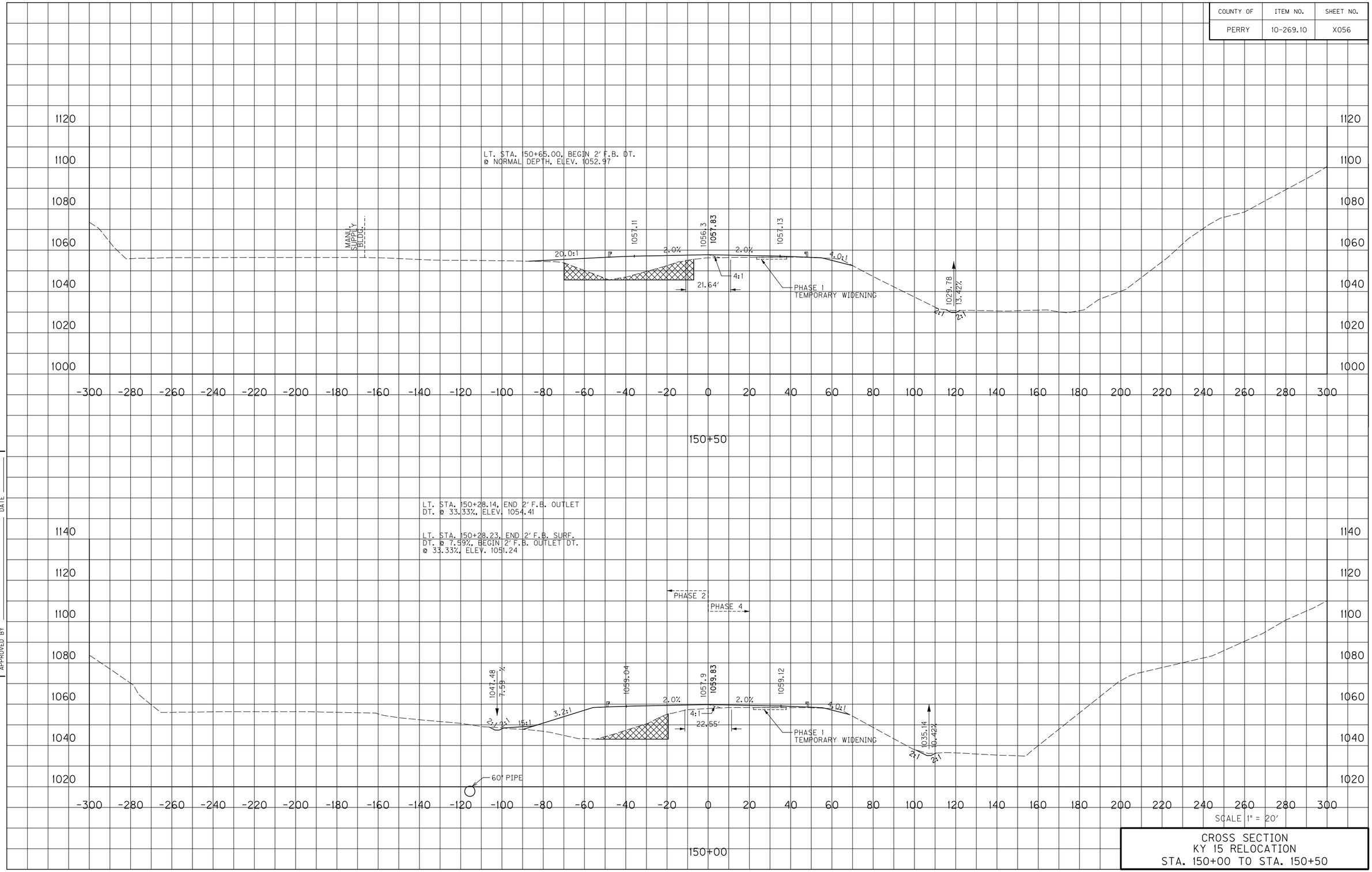


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 149+00 TO STA. 149+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X056

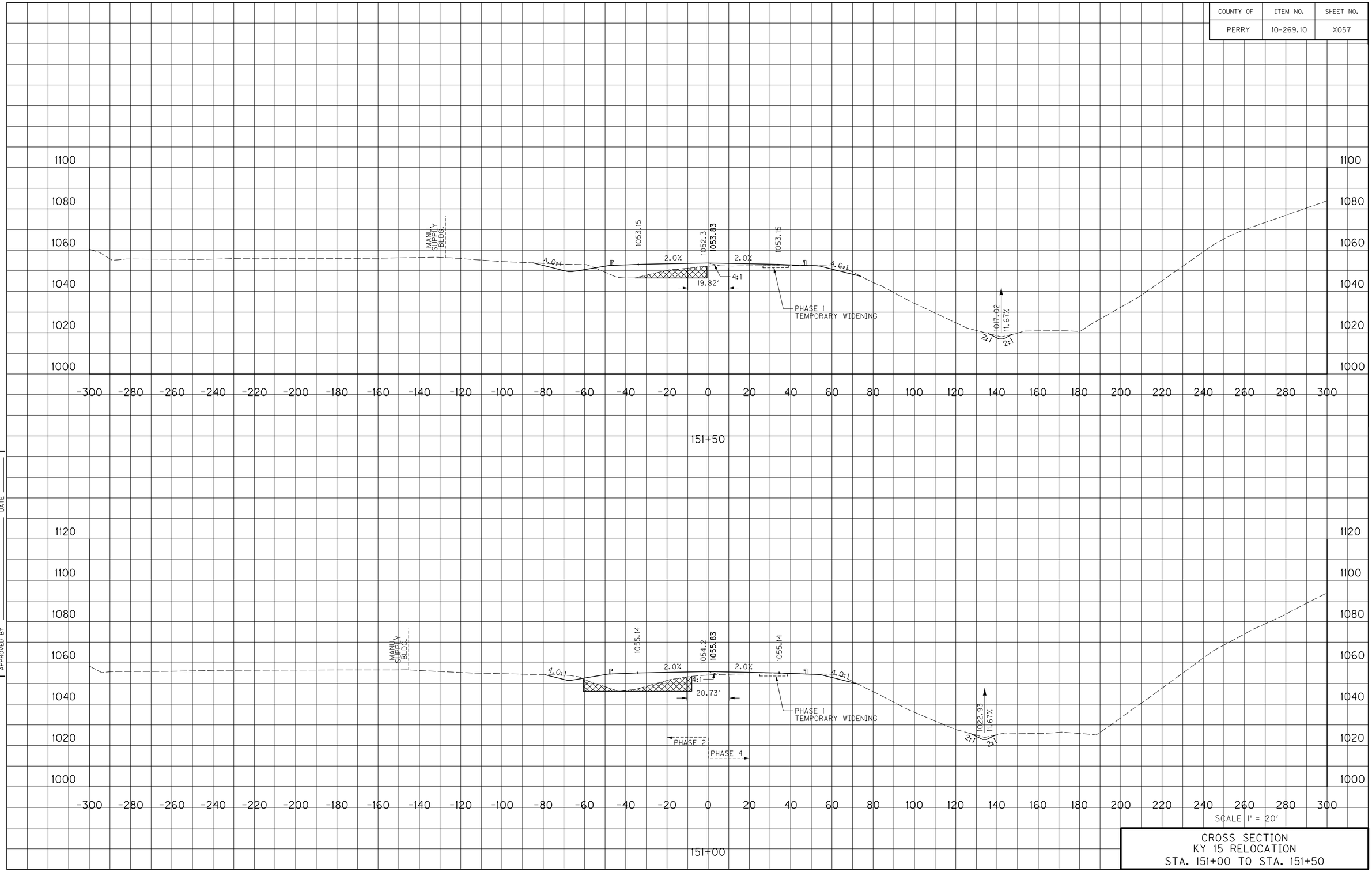


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 150+00 TO STA. 150+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X057



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

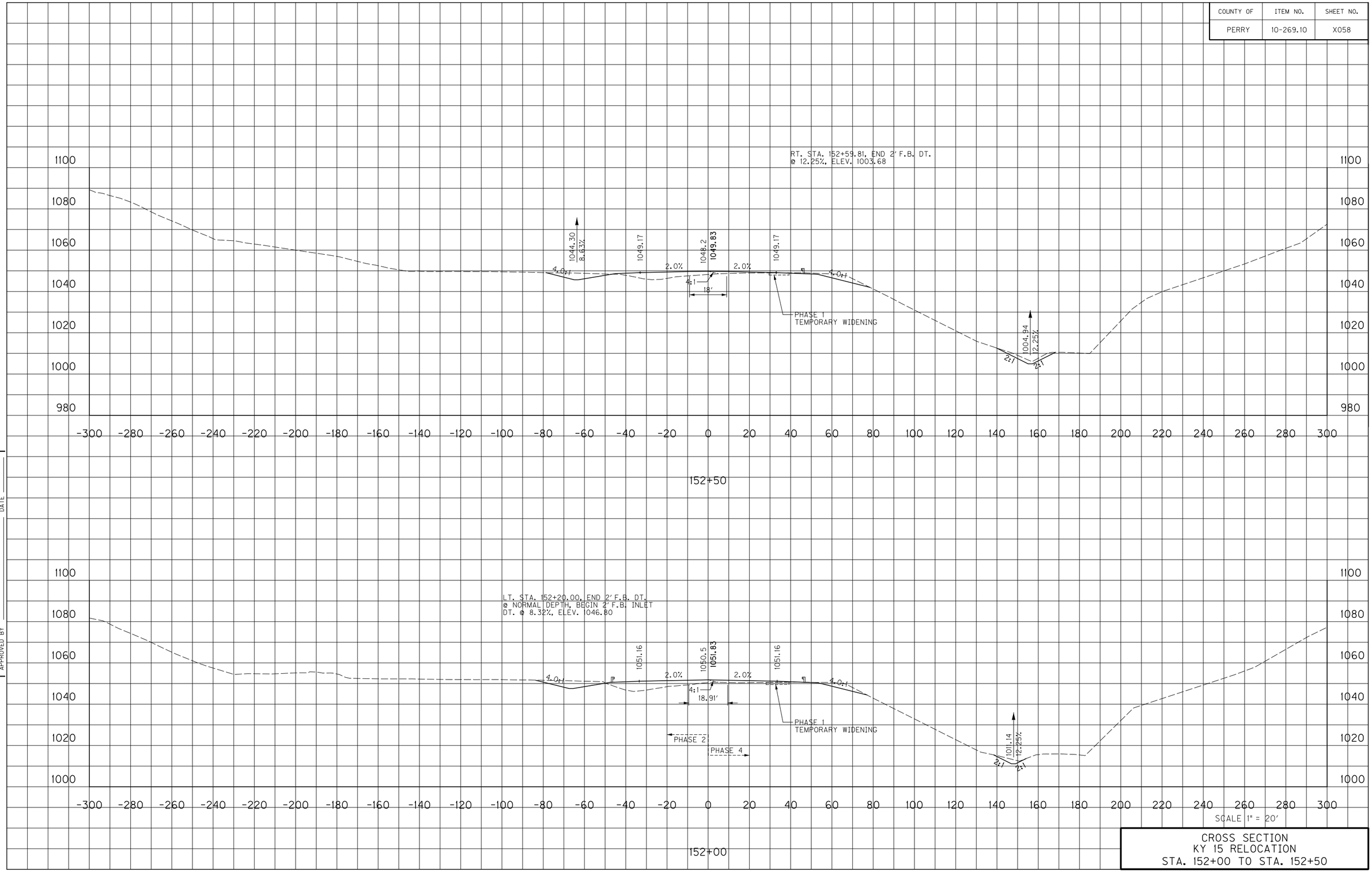
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 151+00 TO STA. 151+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X058

RT. STA. 152+59.81, END 2' F.B. DT.
@ 12.25%, ELEV. 1003.68

LT. STA. 152+20.00, END 2' F.B. DT.
@ NORMAL DEPTH, BEGIN 2' F.B. INLET
DT. @ 8.32%, ELEV. 1046.80



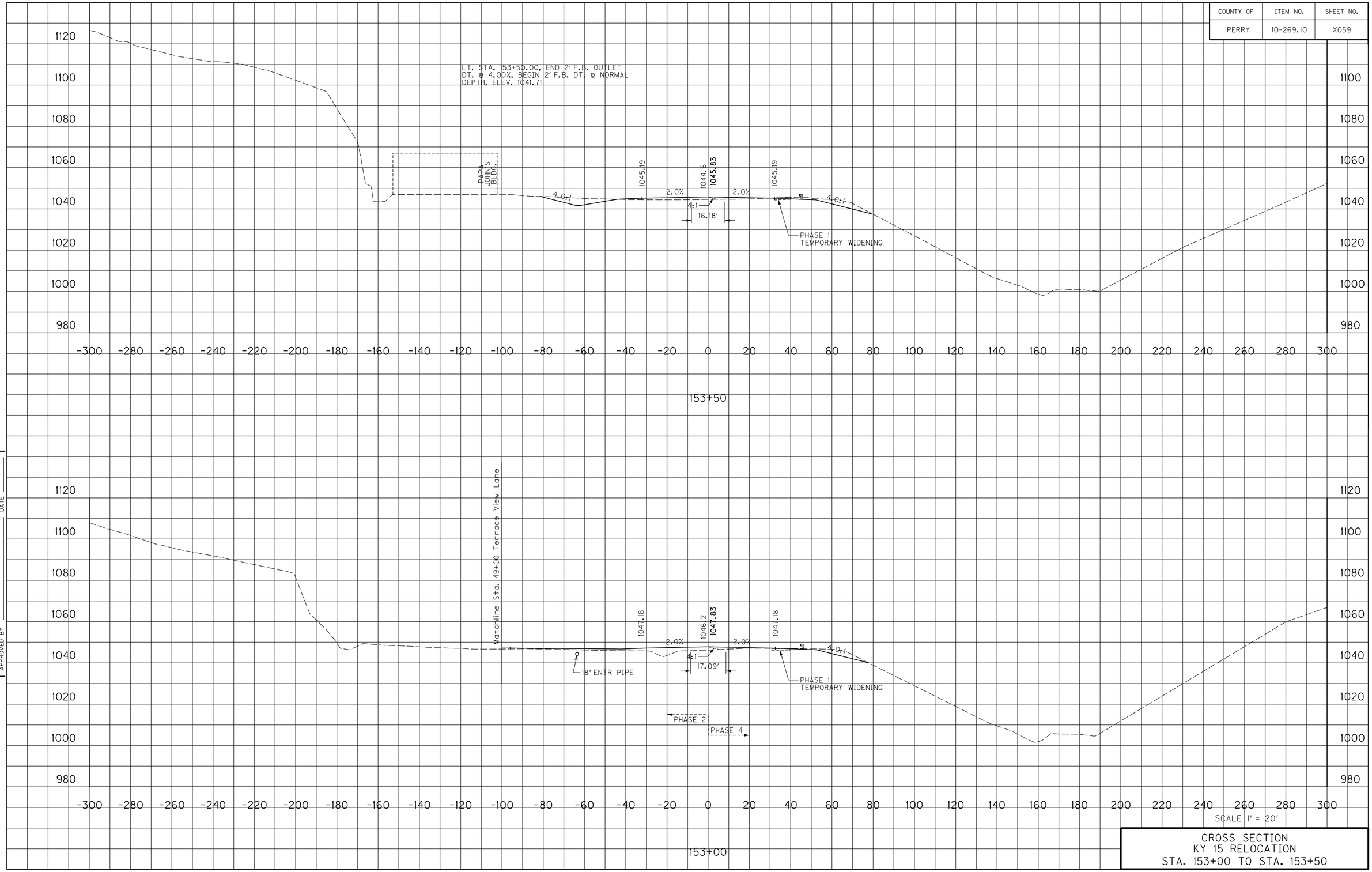
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 152+00 TO STA. 152+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X059



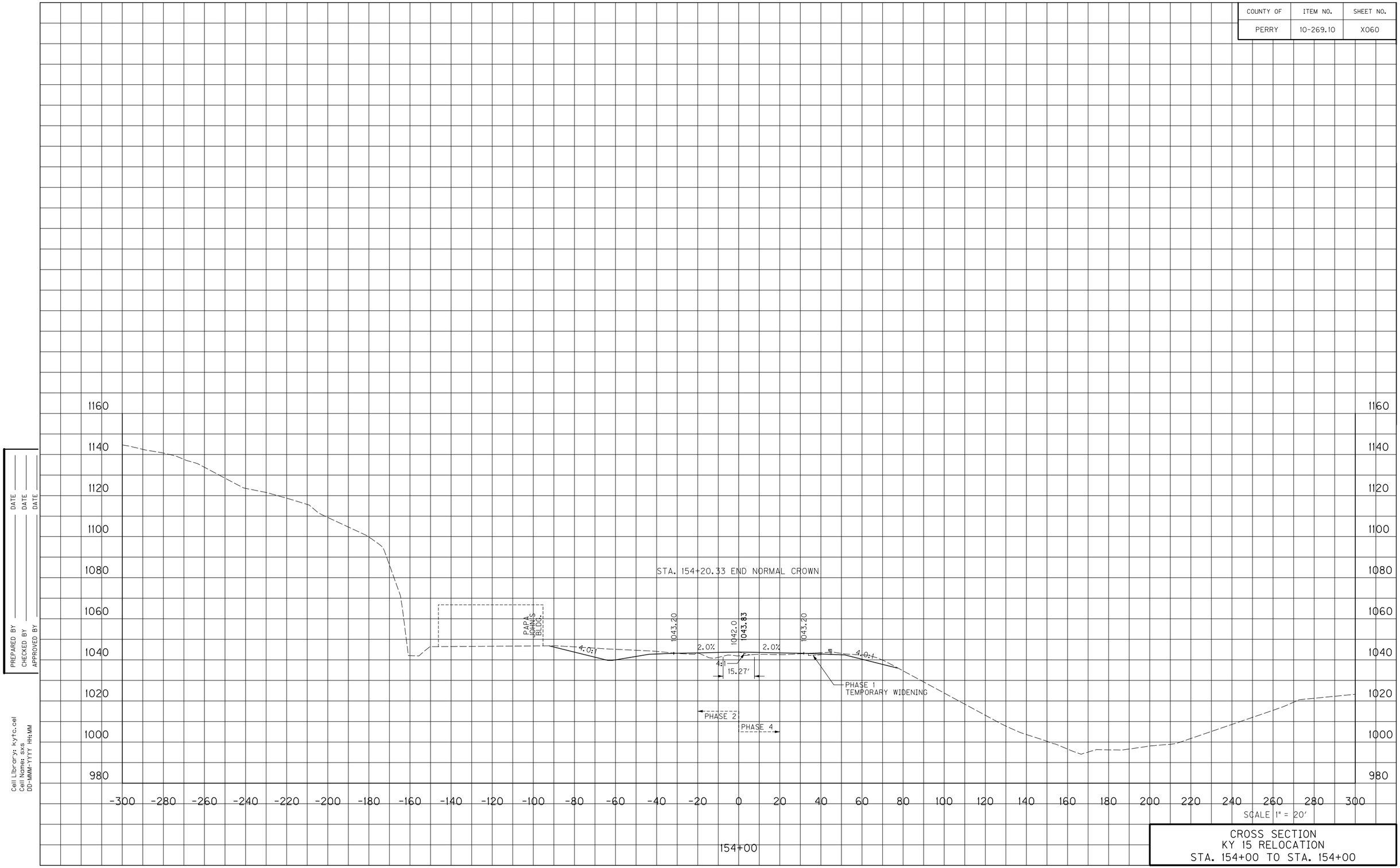
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 153+00 TO STA. 153+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X060



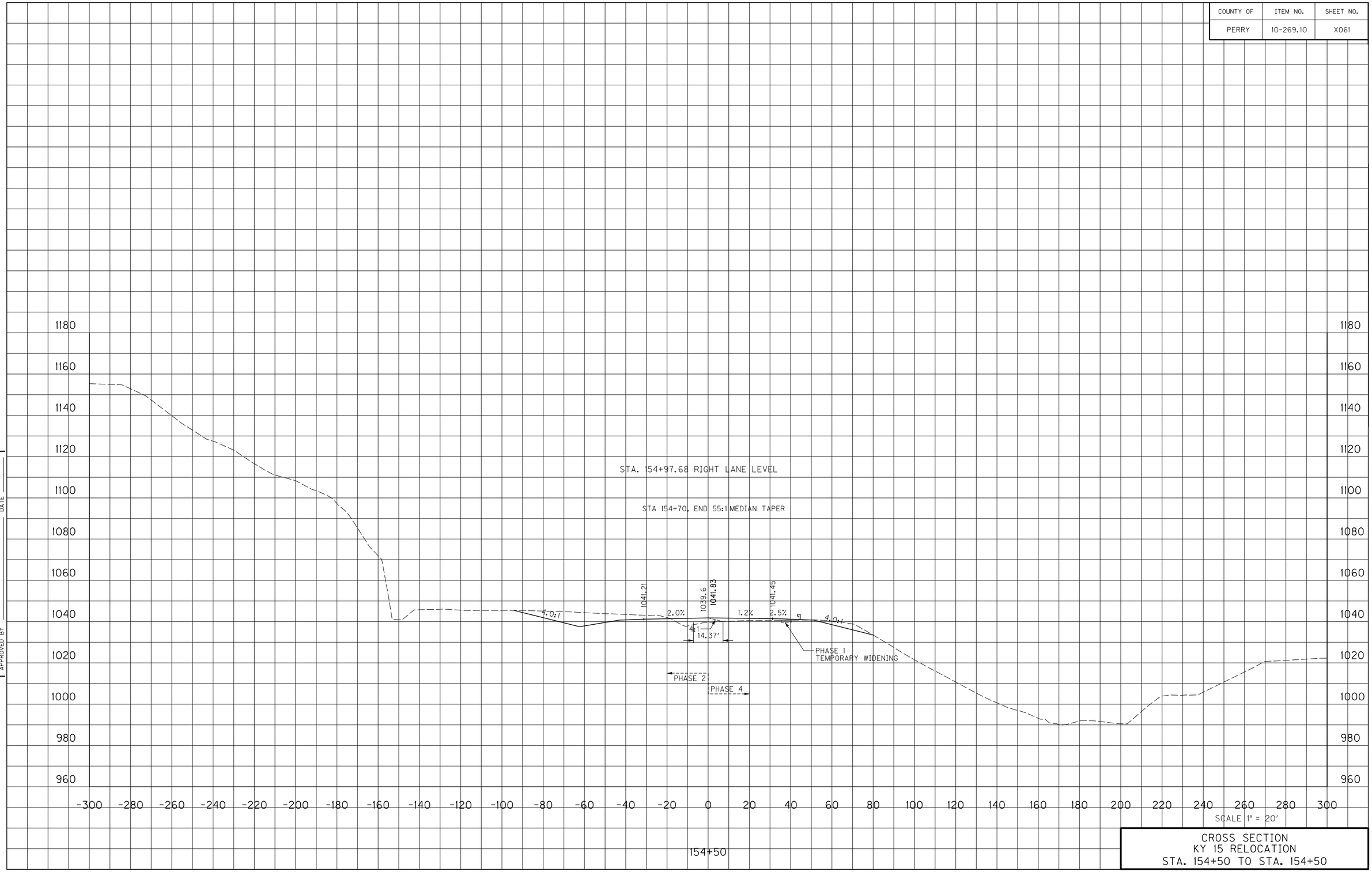
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 154+00 TO STA. 154+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X061



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 154+50 TO STA. 154+50

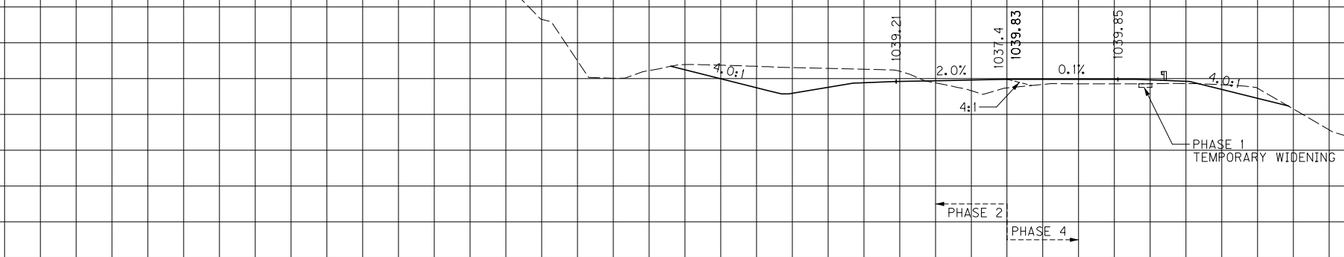
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X062

LT. STA. 155+16.00, END 2' F.B.
INTERCEPTOR DT. @ 14.96%, ELEV.
1035.09

LT. STA. 155+09.37, BEGIN 2' F.B.
INTERCEPTOR DT. @ 14.96%, ELEV.
1039.82



SCALE 1" = 20'

155+00

CROSS SECTION
KY 15 RELOCATION
STA. 155+00 TO STA. 155+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X063

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 155+50 TO STA. 155+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X064

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 156+00 TO STA. 156+00

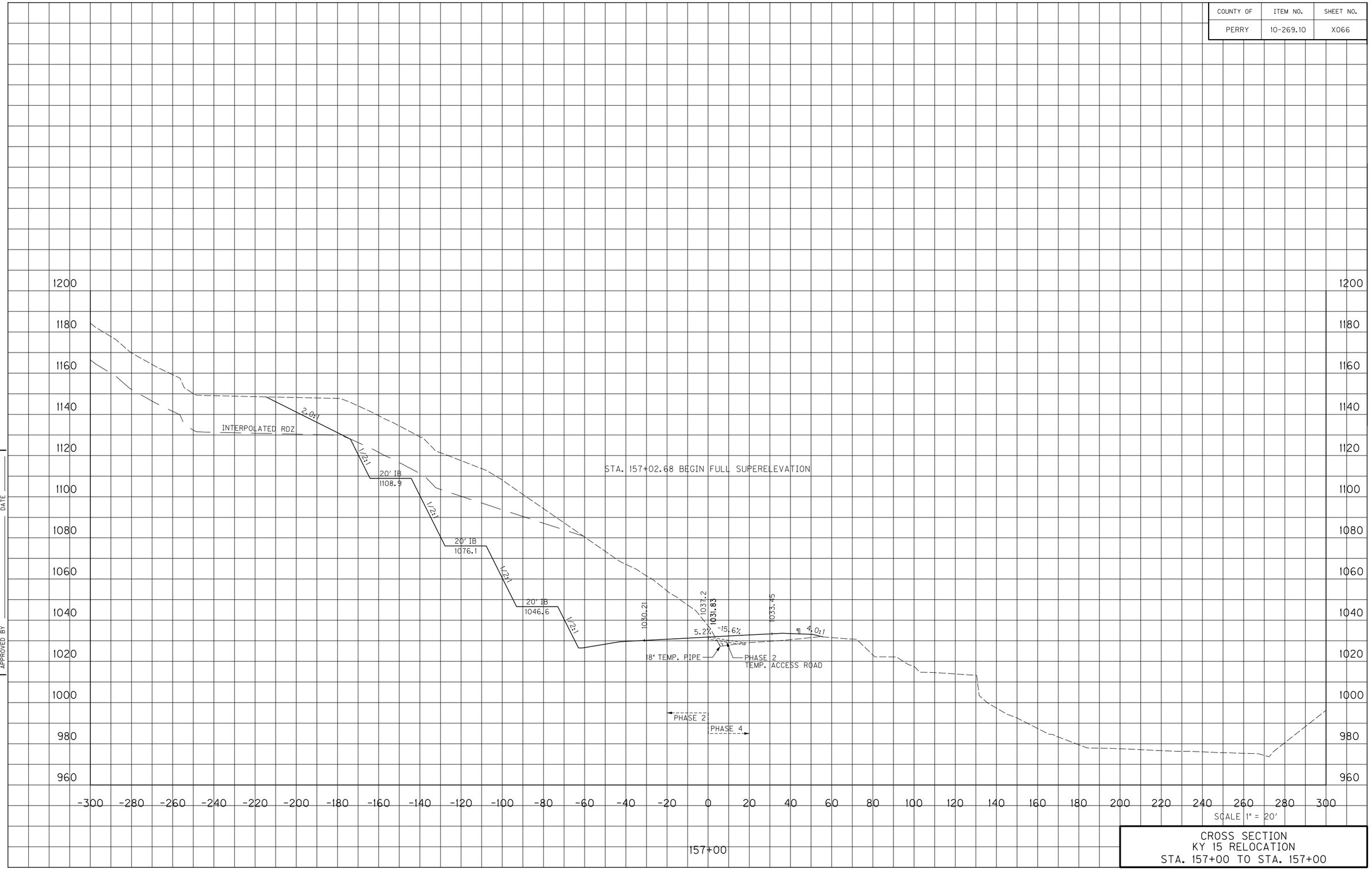
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X065

PREPARED BY ____ DATE ____
CHECKED BY ____ DATE ____
APPROVED BY ____ DATE ____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 156+50 TO STA. 156+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X066

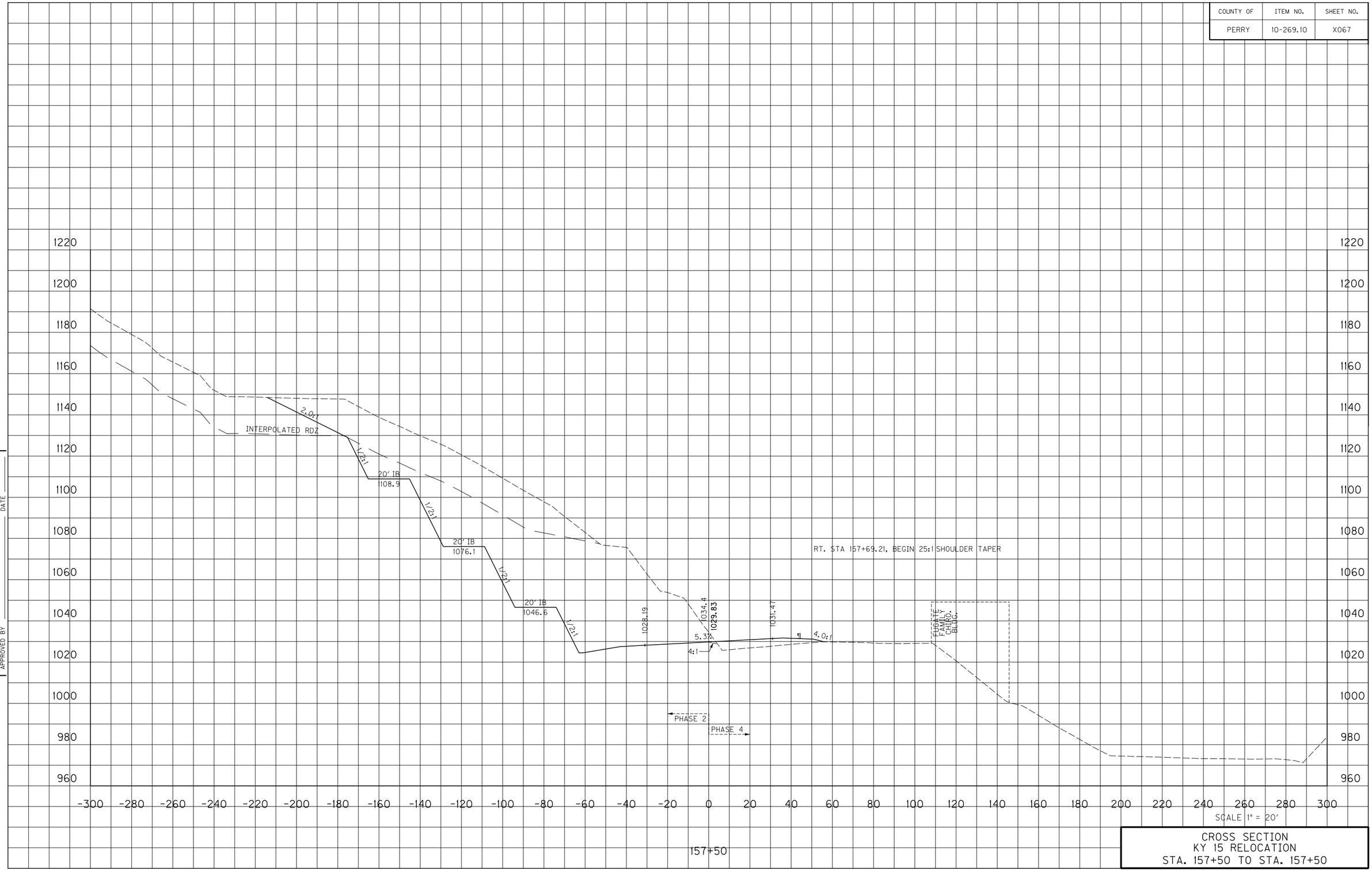


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 157+00 TO STA. 157+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X067

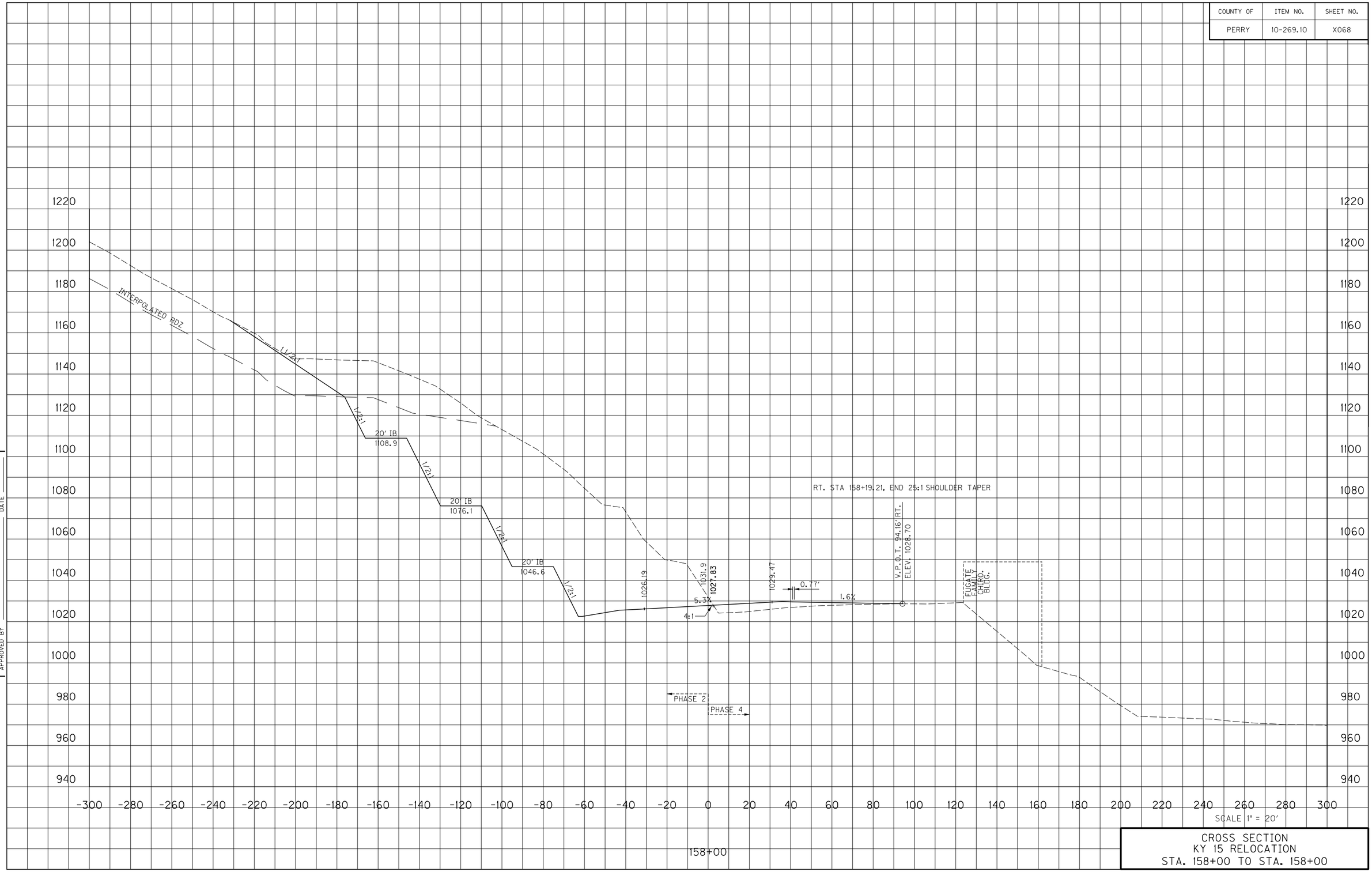


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 157+50 TO STA. 157+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X068



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 158+00 TO STA. 158+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X069

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 158+50 TO STA. 158+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X070

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 159+00 TO STA. 159+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X071

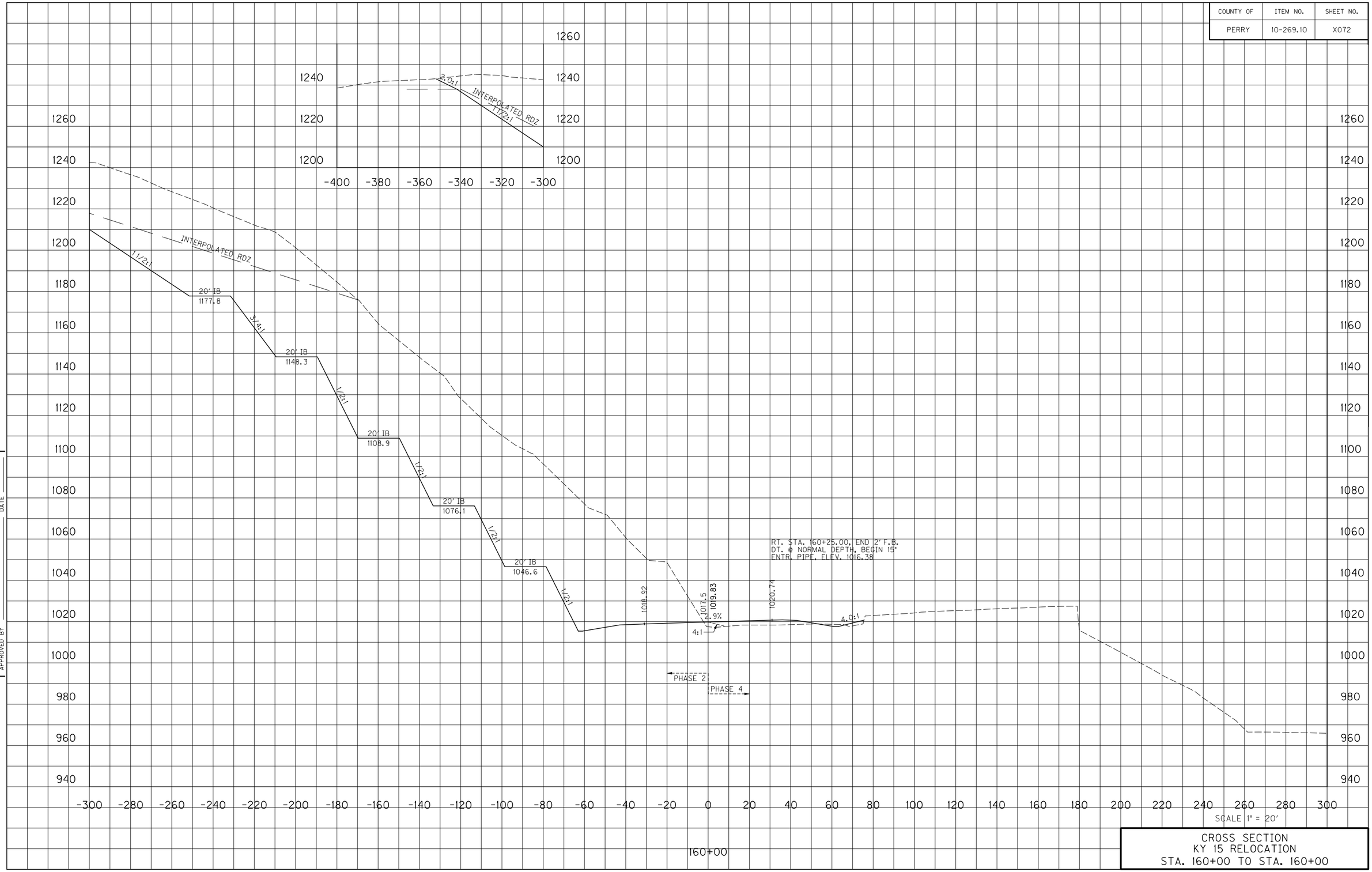
DATE
PREPARED BY
DATE
CHECKED BY
DATE
APPROVED BY

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 159+50 TO STA. 159+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X072



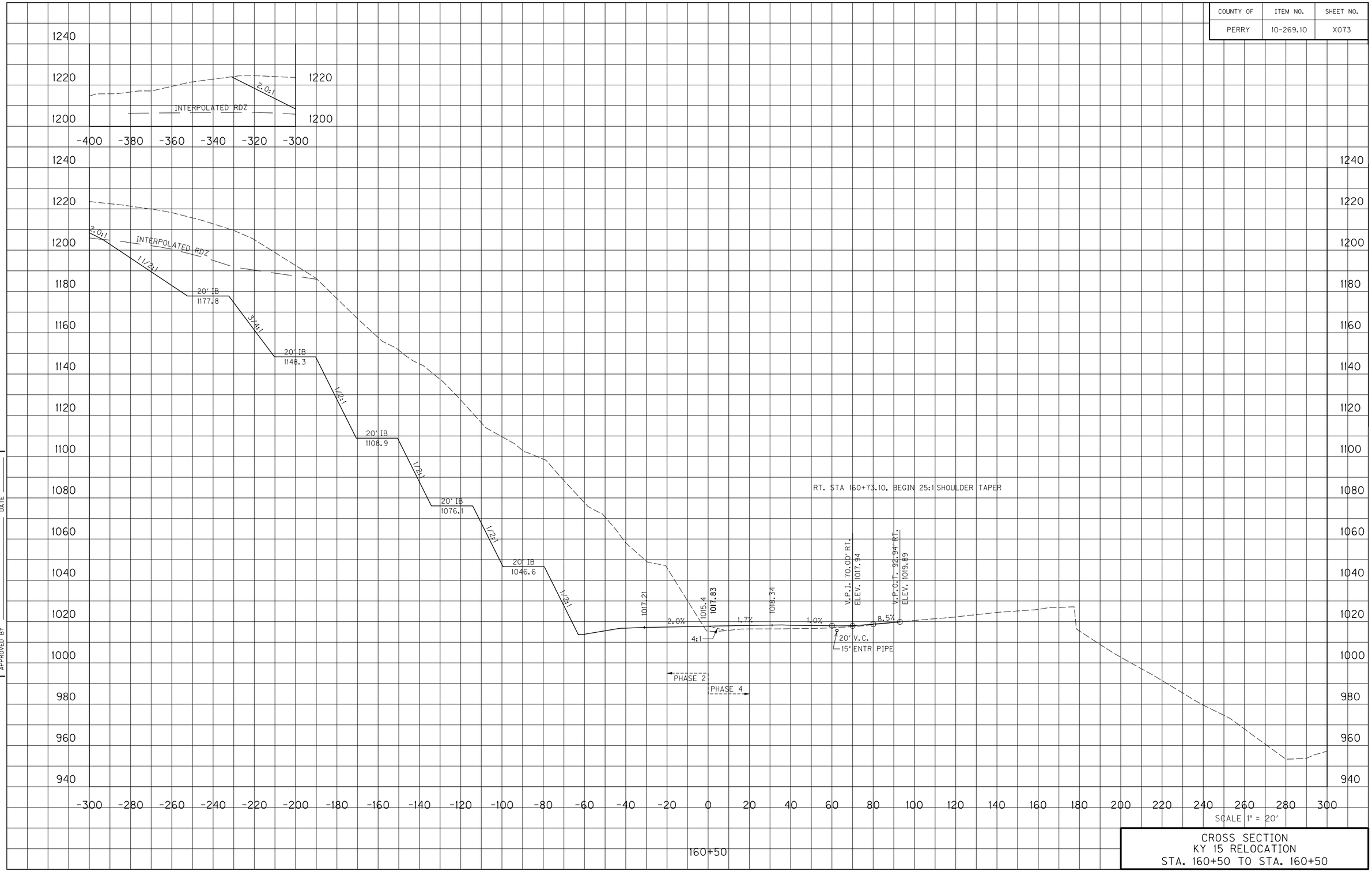
DATE
DATE
DATE

PREPARED BY
CHECKED BY
APPROVED BY

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 160+00 TO STA. 160+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X073



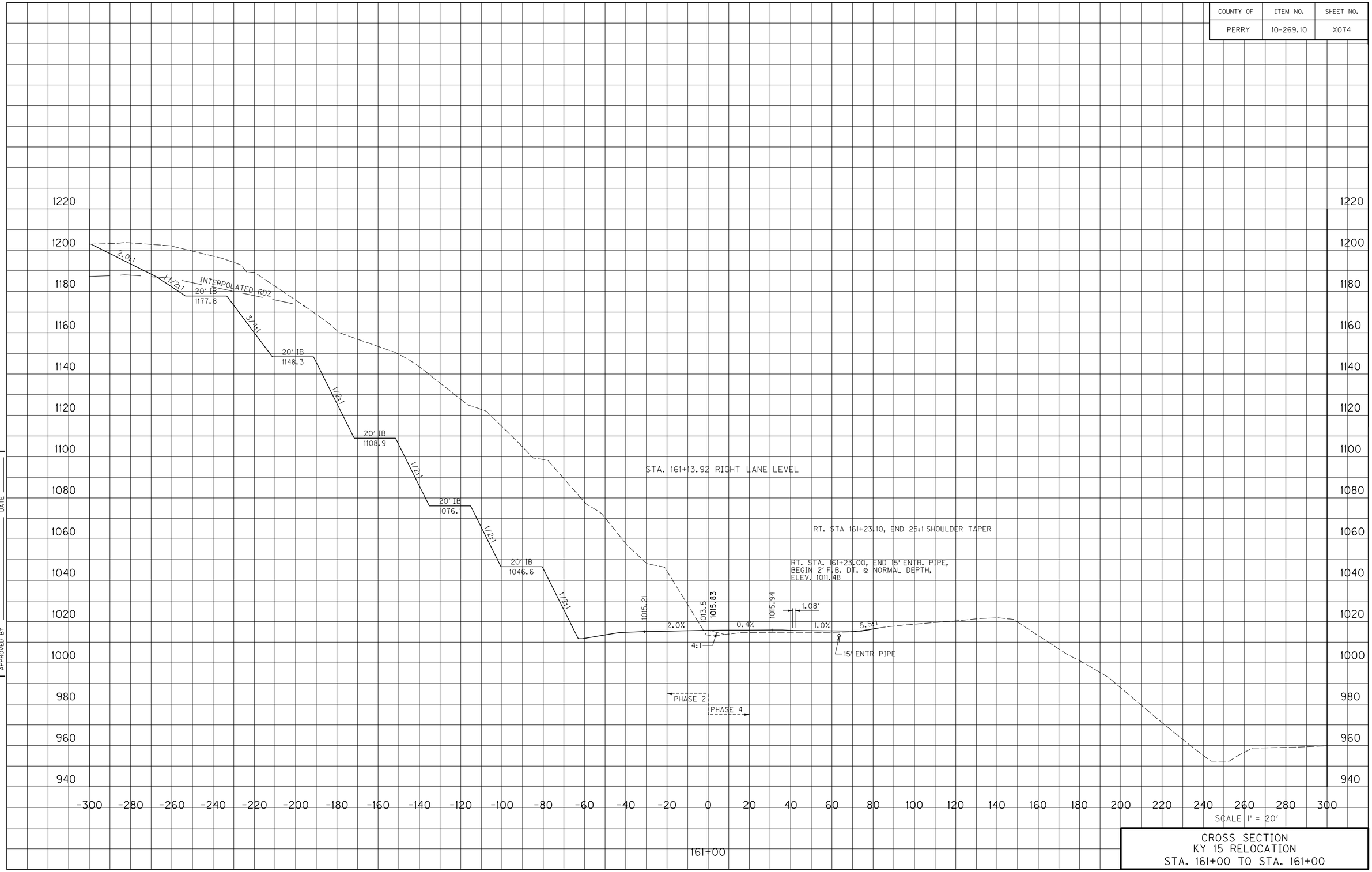
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 160+50 TO STA. 160+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X074



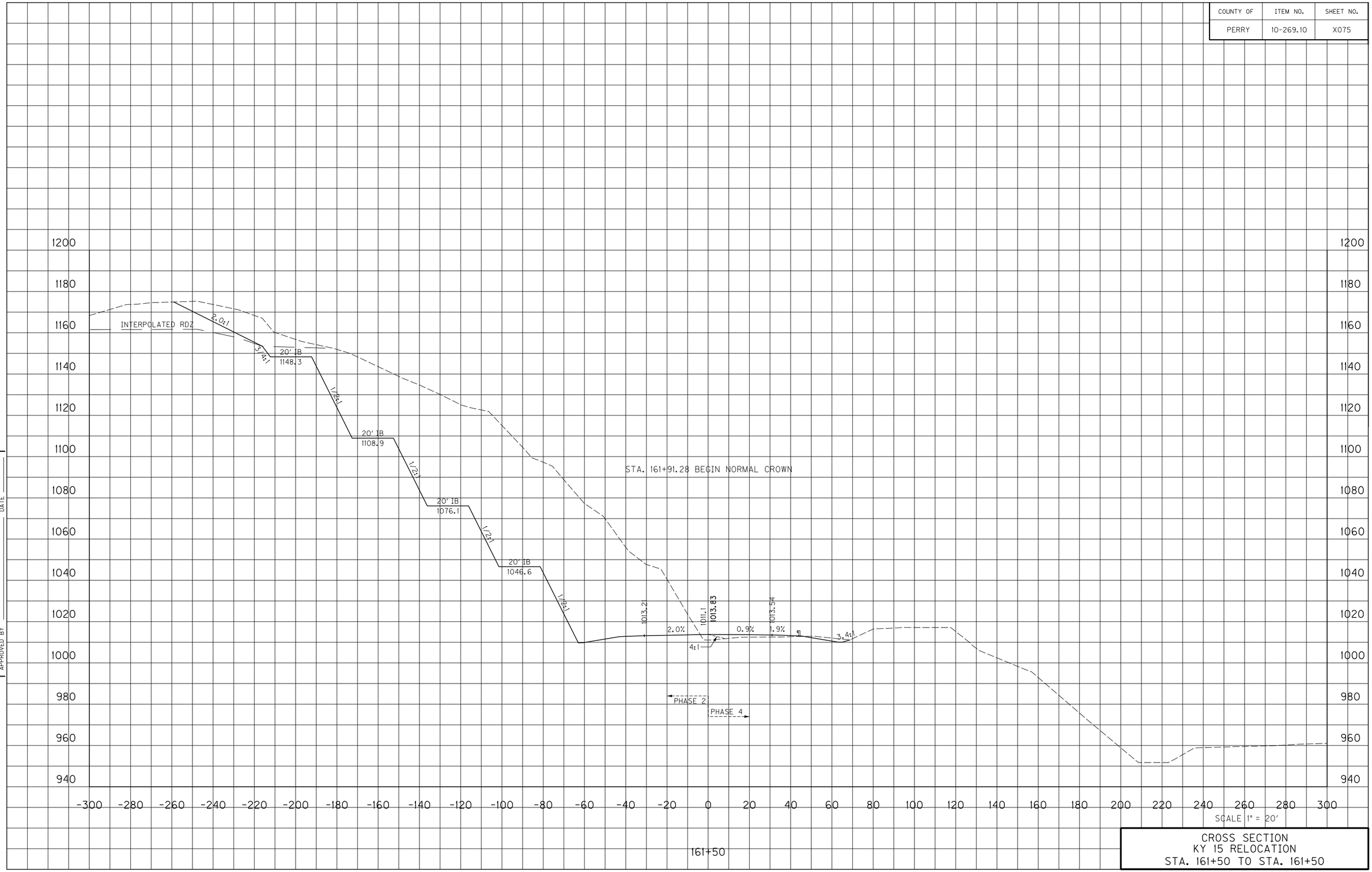
DATE
DATE
DATE

PREPARED BY
CHECKED BY
APPROVED BY

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 161+00 TO STA. 161+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X075



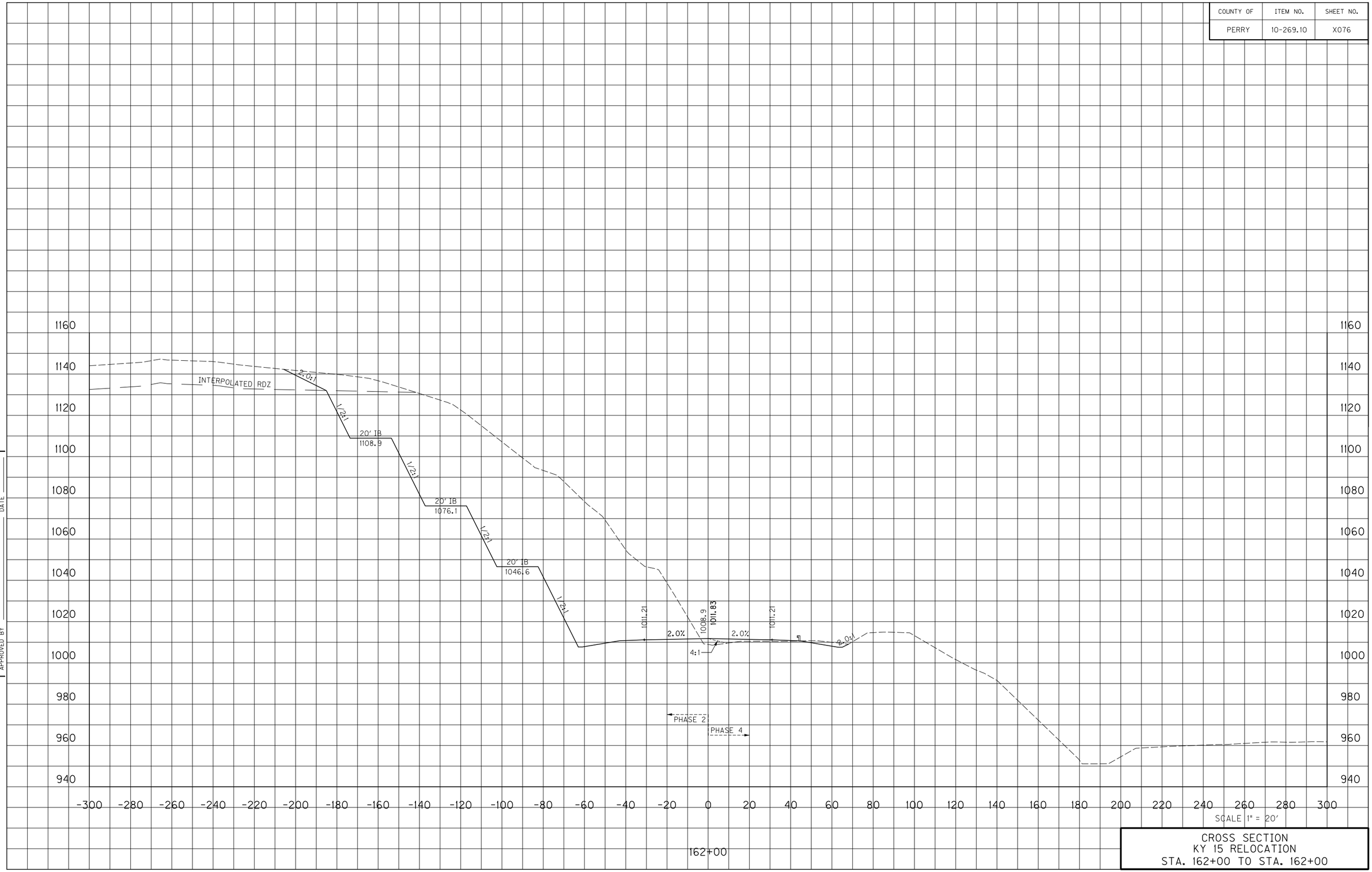
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 161+50 TO STA. 161+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X076



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 162+00 TO STA. 162+00

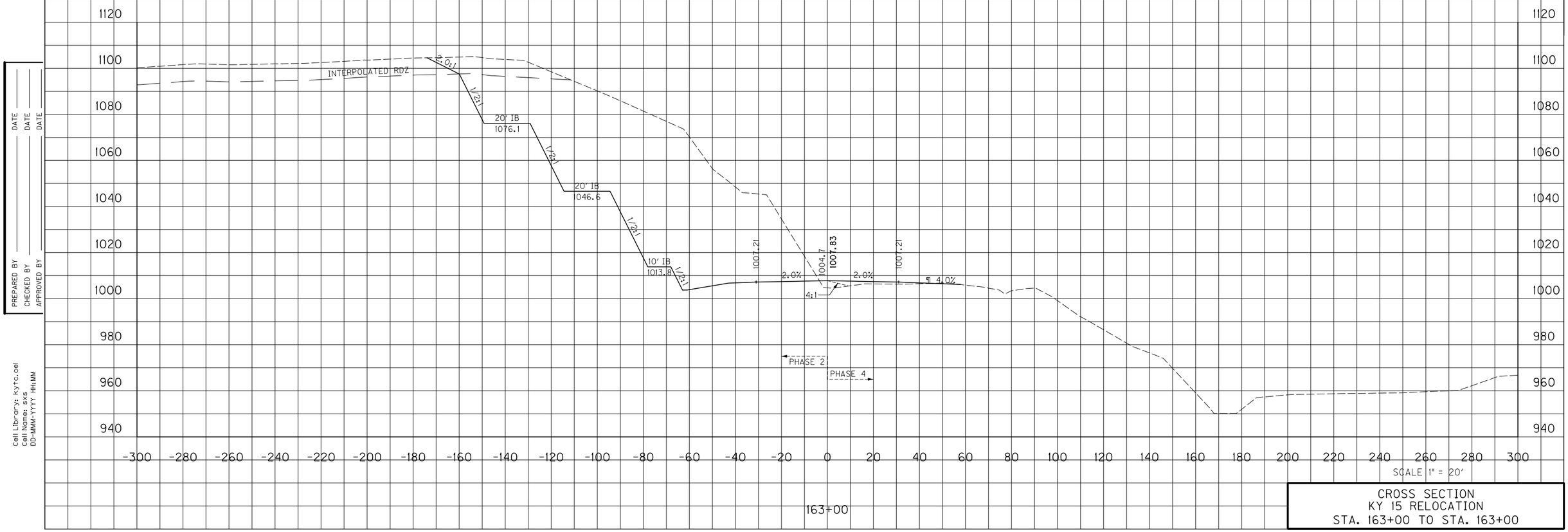
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X077

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 162+50 TO STA. 162+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X078



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 163+00 TO STA. 163+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X079

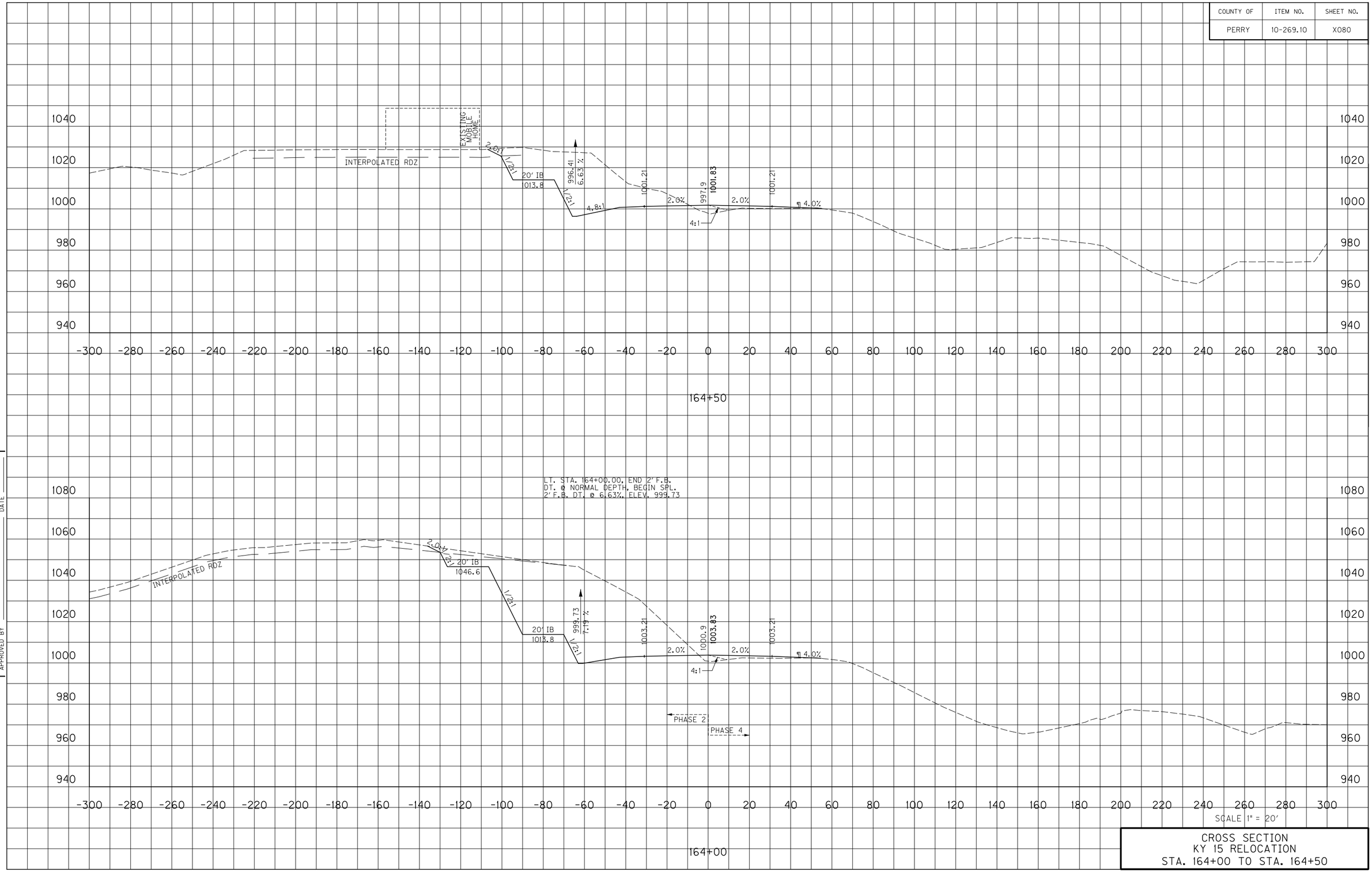
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 163+50 TO STA. 163+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X080



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
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CROSS SECTION
KY 15 RELOCATION
STA. 164+00 TO STA. 164+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X081

LT. STA 165+57.65, END 25:1 SHOULDER TAPER

V.P.O.T. 80.0' LT.
ELEV. 995.15
V.P.I. 70.0' LT.
ELEV. 994.93

-1.0%
6.1%
2.0%
2.0%
3.44:1
4:1
20' V.C.
997.21
995.2
997.83
997.21
36" PIPE

LT. STA. 165+32.32, END SPL. 2' F.B. DT. @ 9.88%, TIE TO EXISTING DT., ELEV. 994.95

LT. STA. 165+18.79, END SPL. 2' F.B. DT. @ 6.63%, BEGIN SPL. 2' F.B. DT. @ 9.88%, BEGIN 36" PIPE, ELEV. 991.84

LT. STA 165+07.65, BEGIN 25:1 SHOULDER TAPER

2.0%
993.09
6.63 %
4.2:1
999.21
2.0%
996.4
999.83
2.0%
999.21
4:1
PHASE 2
PHASE 4

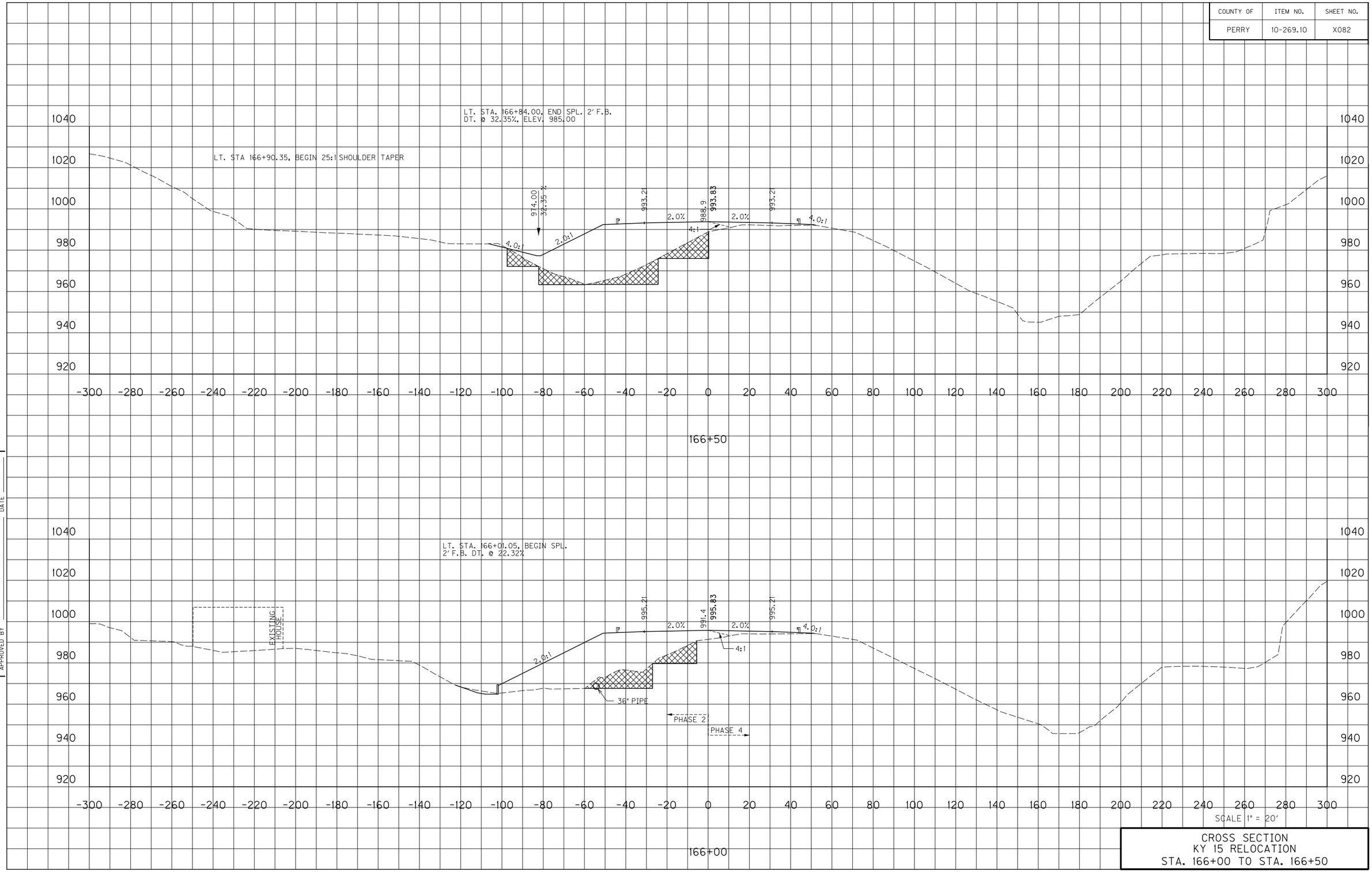
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 165+00 TO STA. 165+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X082



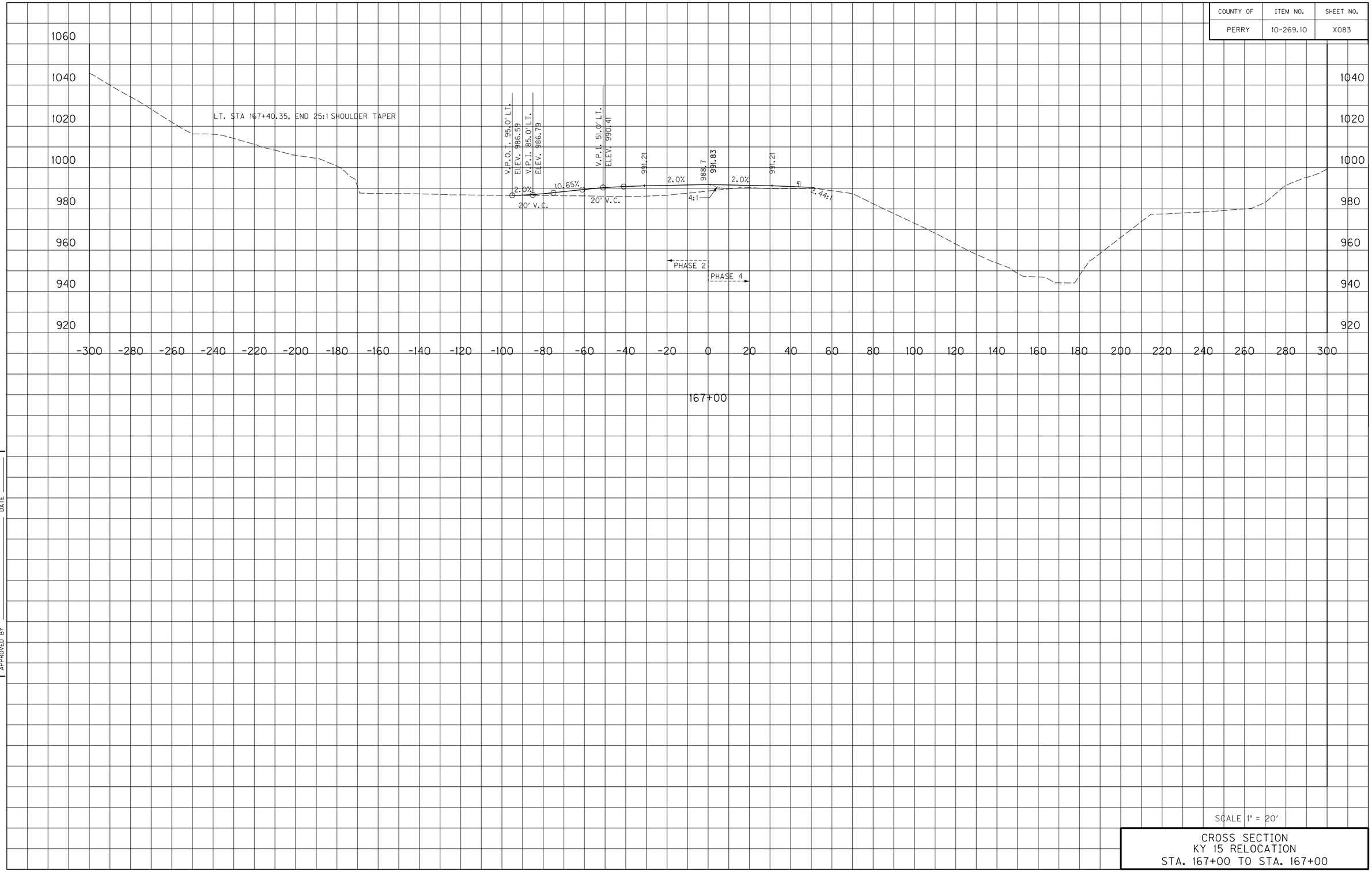
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 166+00 TO STA. 166+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X083



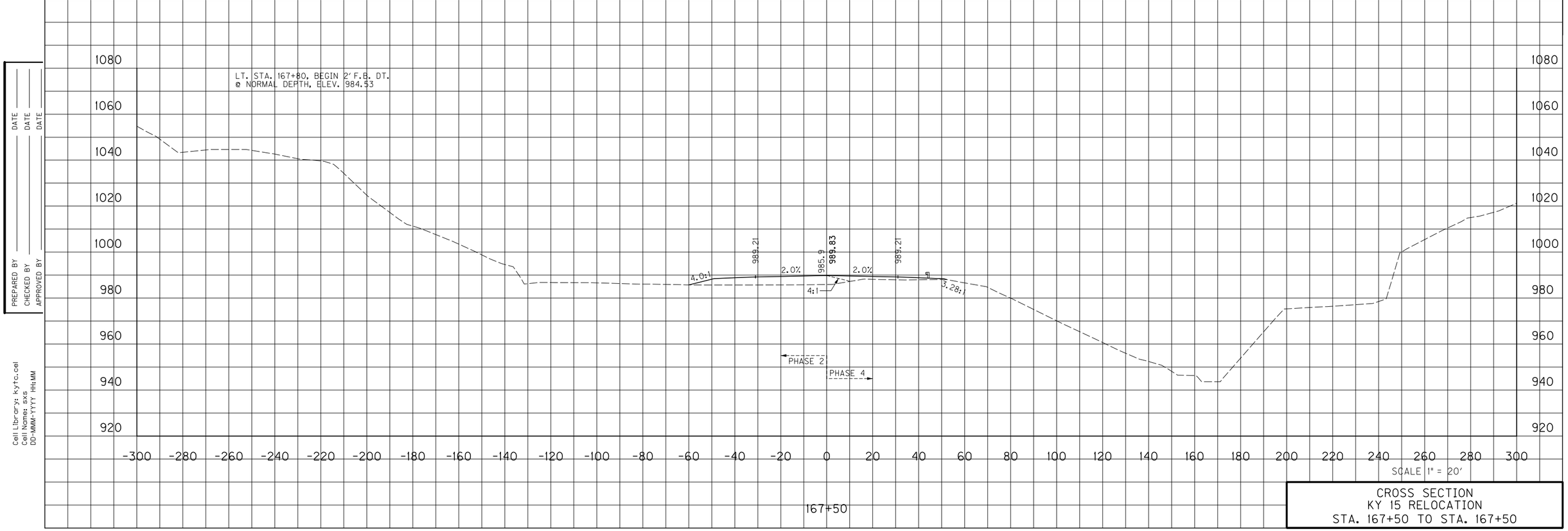
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 167+00 TO STA. 167+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X084



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

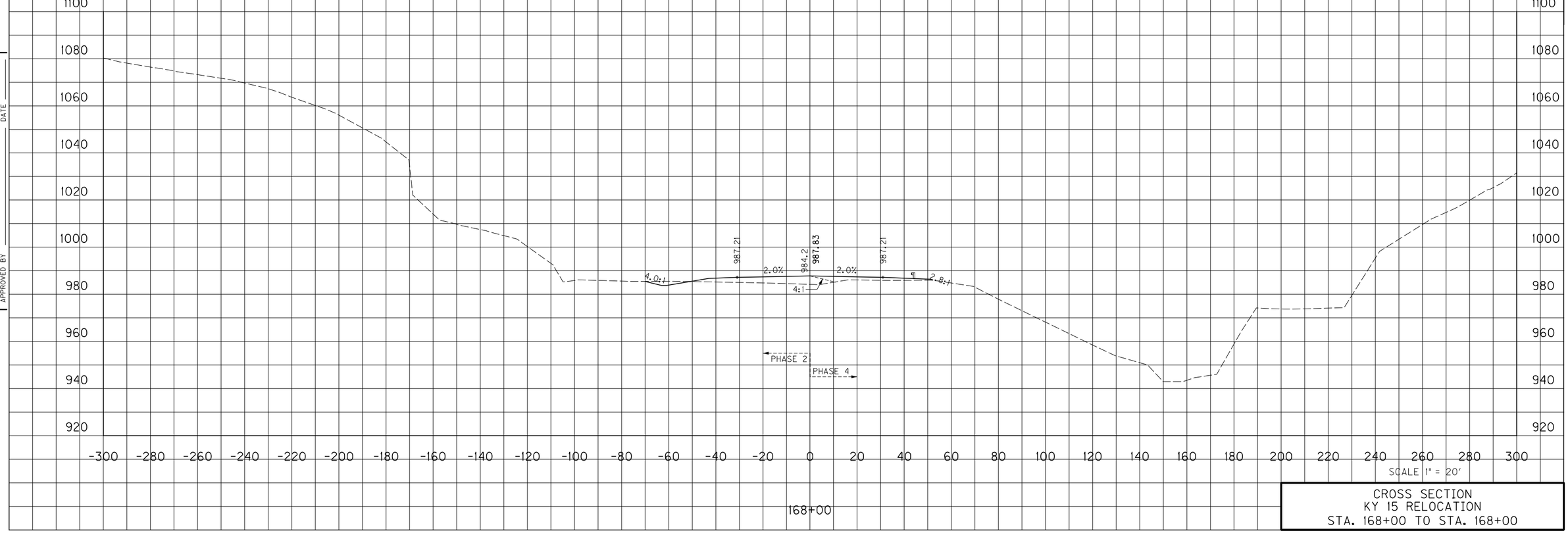
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 167+50 TO STA. 167+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X085

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

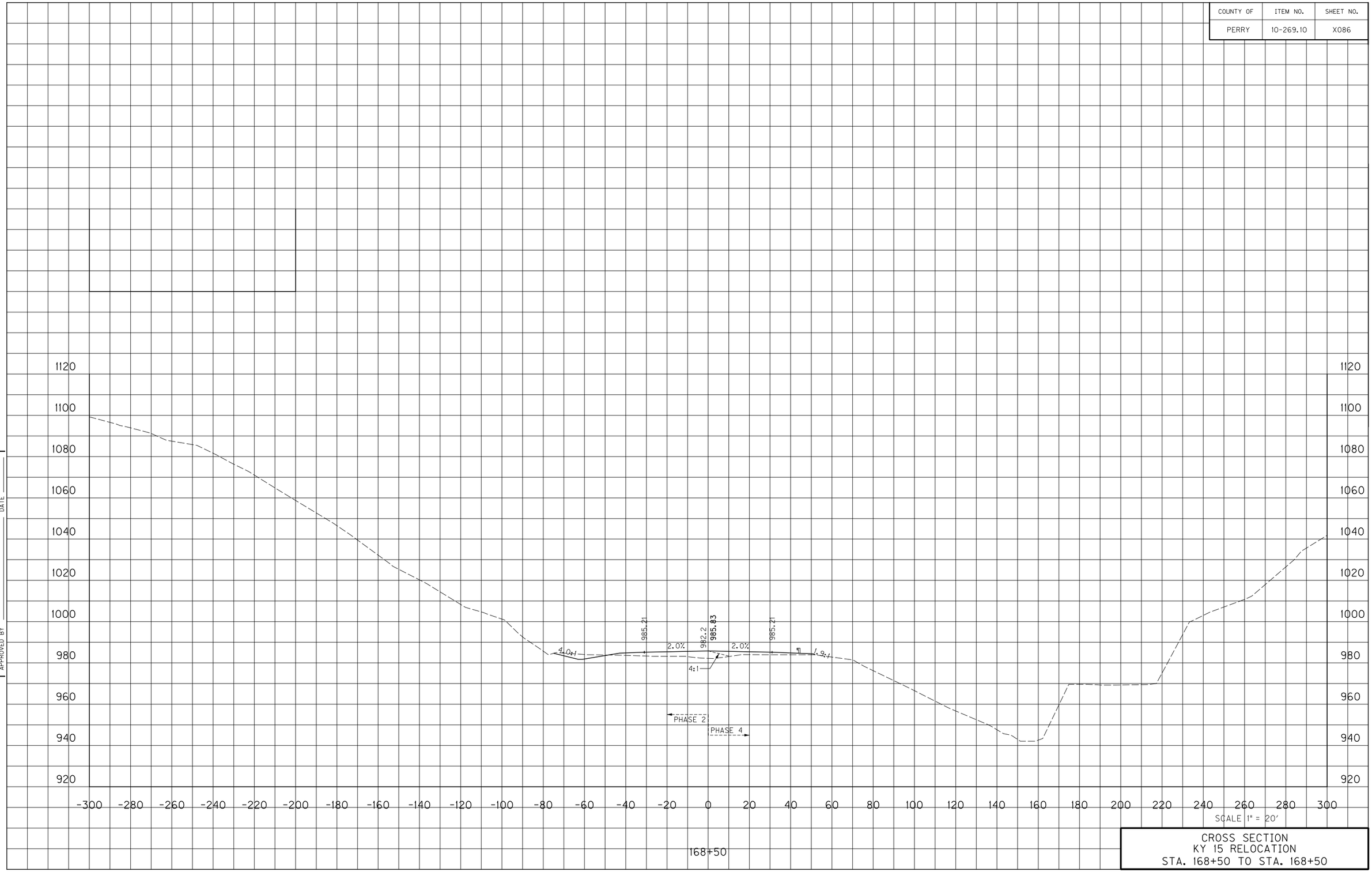
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 168+00 TO STA. 168+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X086



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 168+50 TO STA. 168+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X087

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 169+00 TO STA. 169+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X088

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

169+50

CROSS SECTION
KY 15 RELOCATION
STA. 169+50 TO STA. 169+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X089

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 170+00 TO STA. 170+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X090

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 170+50 TO STA. 170+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X091

CROSS SECTION
KY 15 RELOCATION
STA. 171+00 TO STA. 171+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

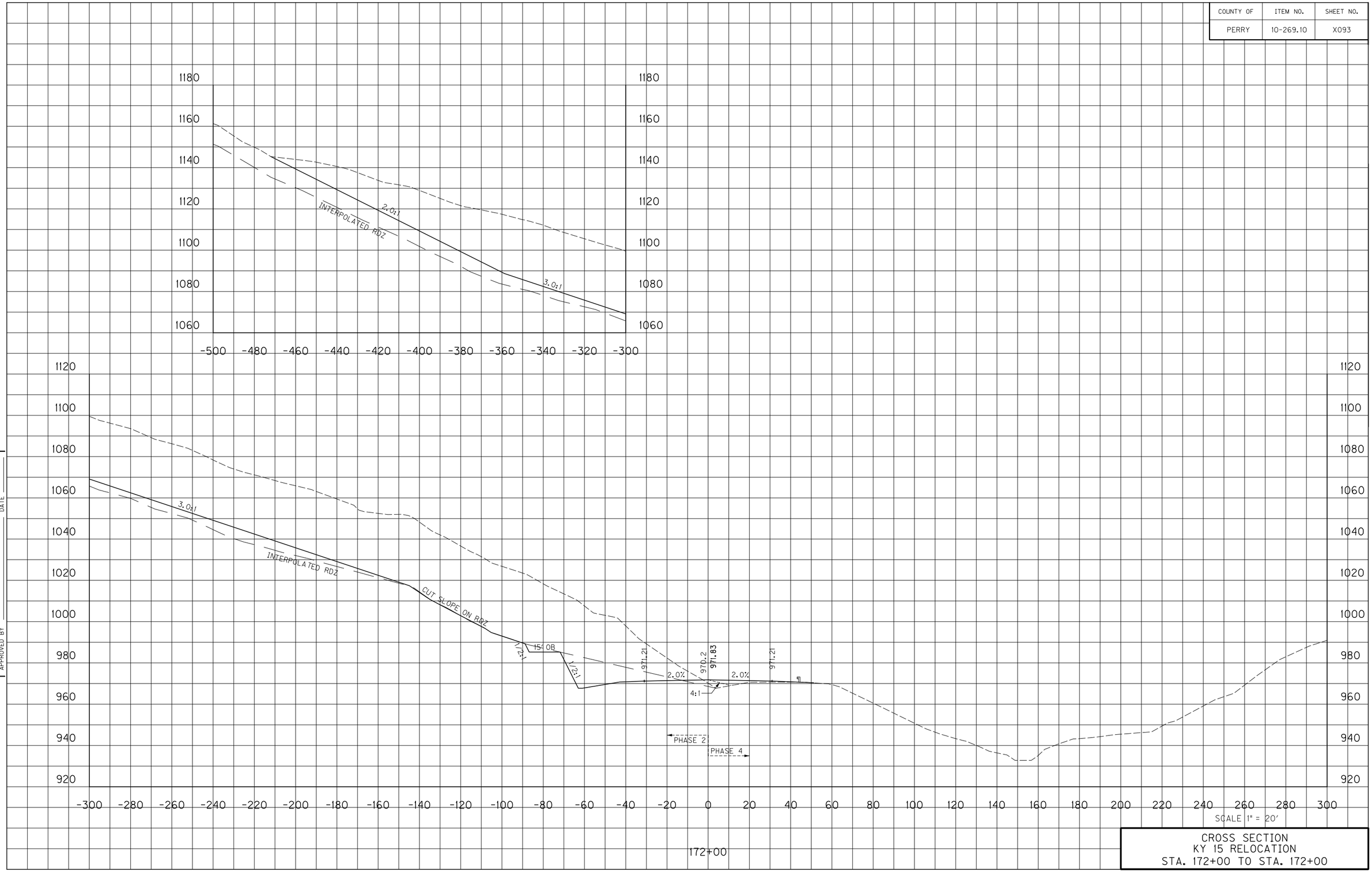
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X092

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 171+50 TO STA. 171+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X093

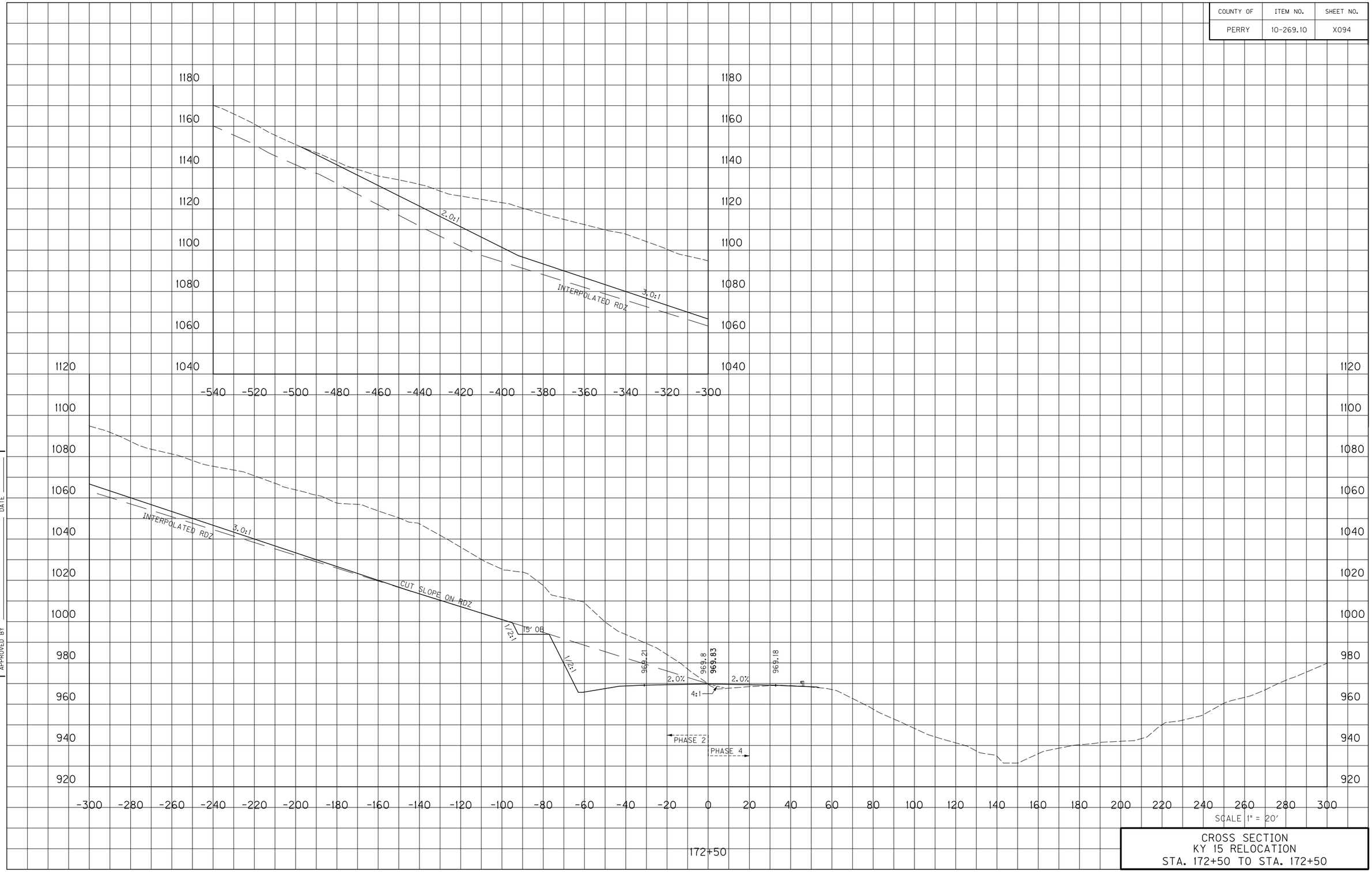


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 172+00 TO STA. 172+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X094



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

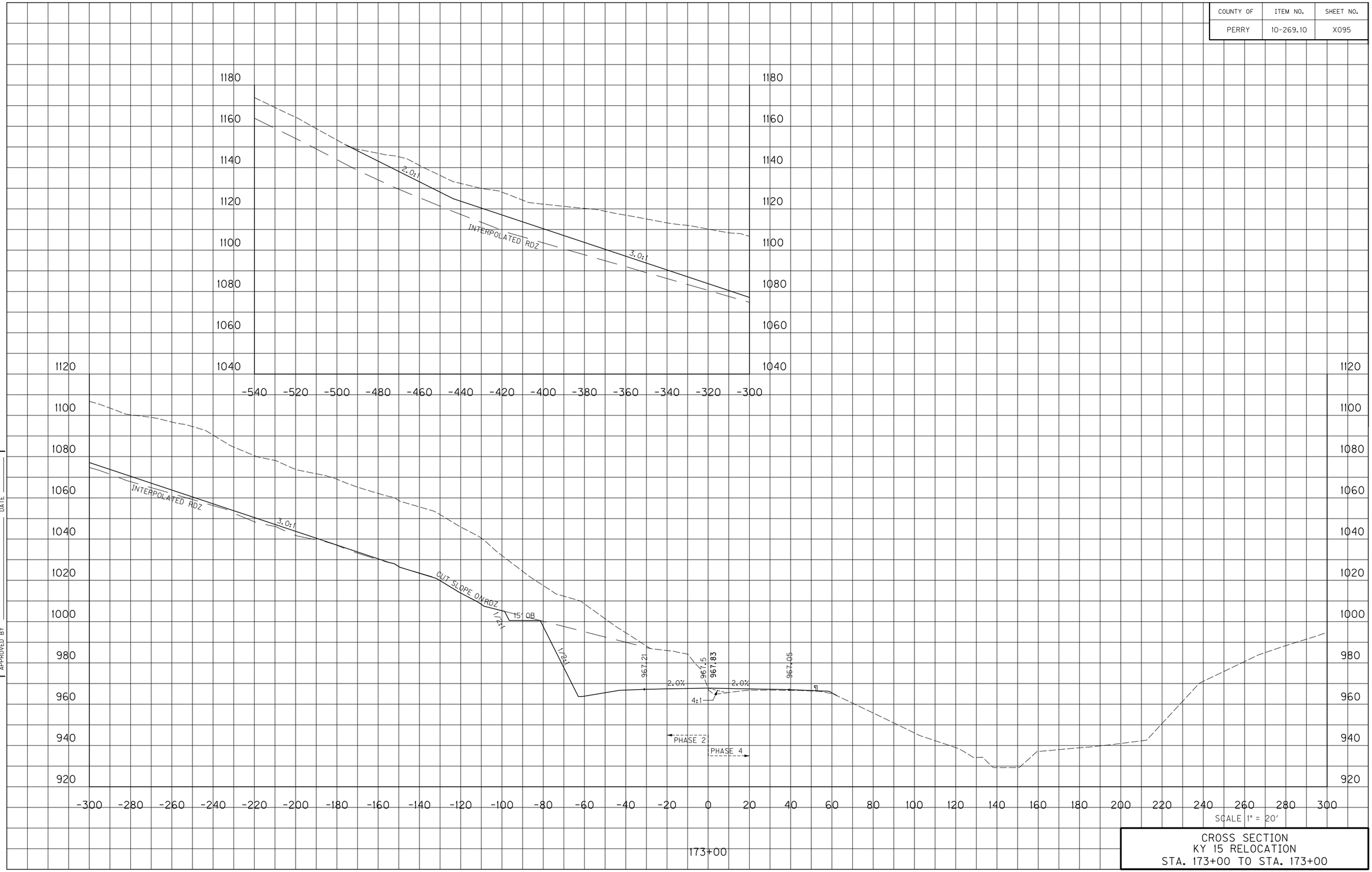
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

172+50

CROSS SECTION
KY 15 RELOCATION
STA. 172+50 TO STA. 172+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X095



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

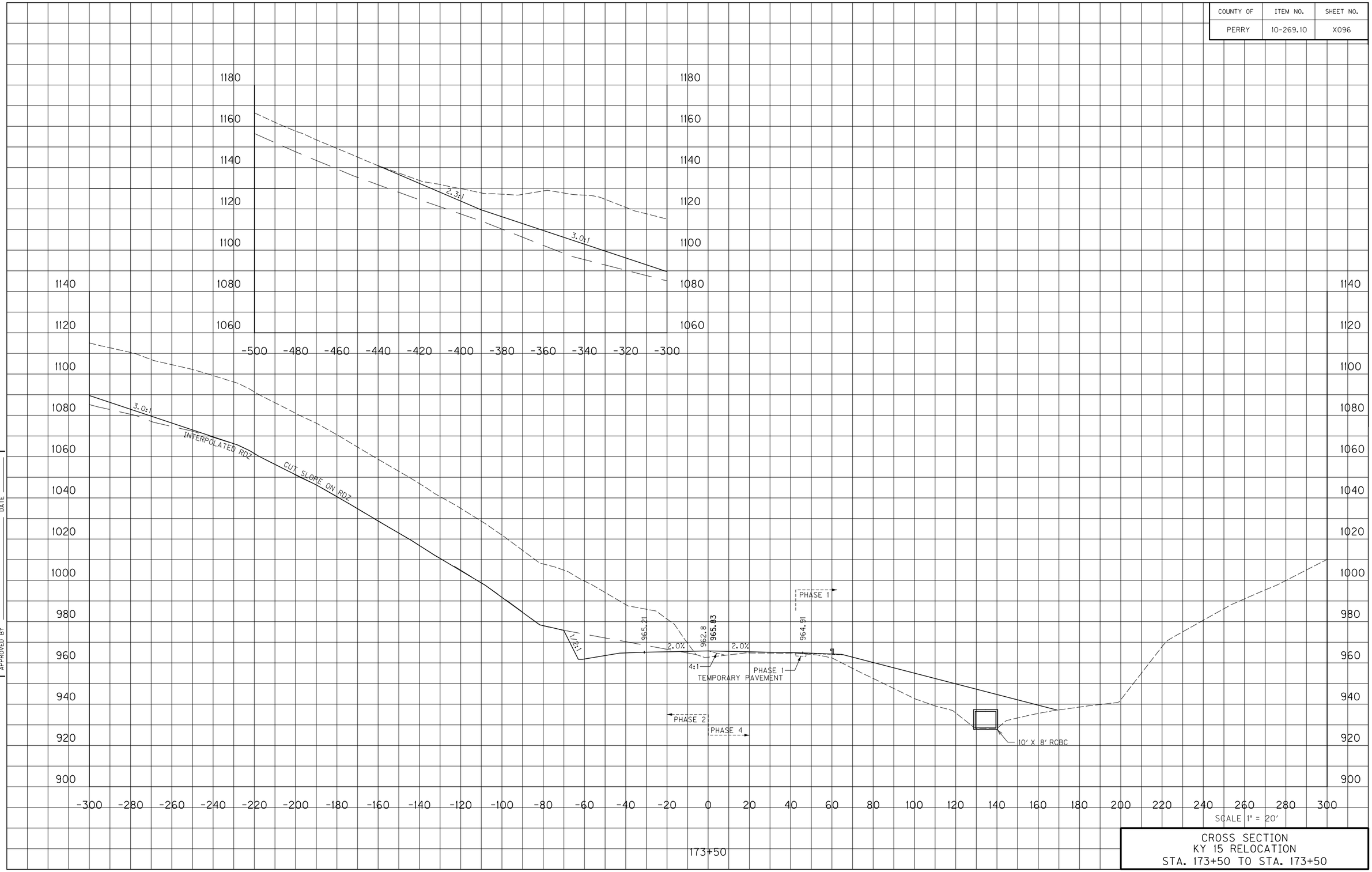
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

173+00

CROSS SECTION
KY 15 RELOCATION
STA. 173+00 TO STA. 173+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X096



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

173+50

CROSS SECTION
KY 15 RELOCATION
STA. 173+50 TO STA. 173+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X097

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 174+00 TO STA. 174+00

174+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X098

1.83:1

INTERPOLATED ROZ

CUT SLOPE ON ROZ

174+50

961.21

959.8

961.83

961.21

2.0%

2.0%

4:1

2.0:1

1.2:1

PHASE 1

PHASE 1
TEMPORARY PAVEMENT

PHASE 2

PHASE 4

10' X 8' RCBC

174+50

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 174+50 TO STA. 174+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X099

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

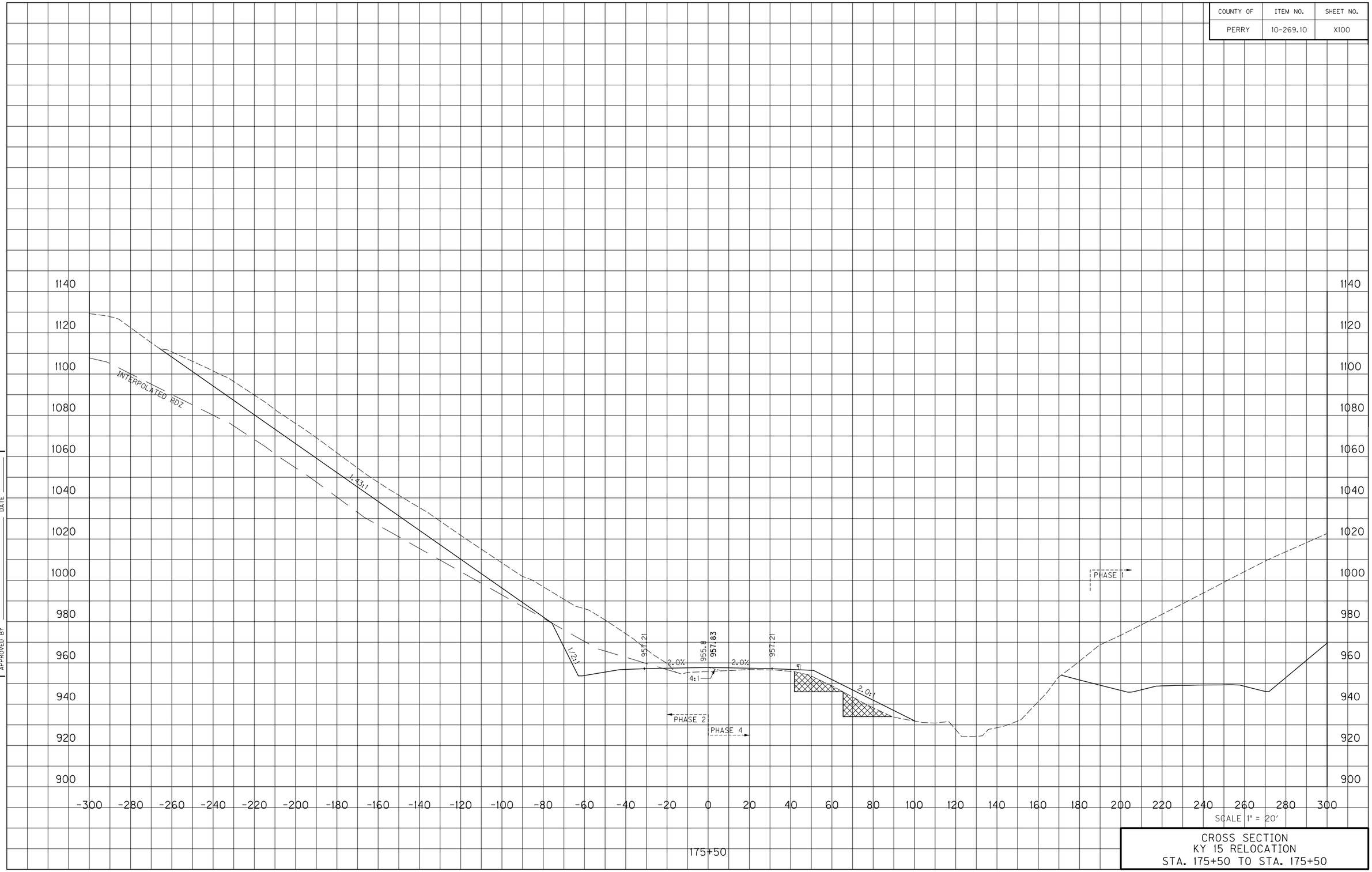
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

175+00

CROSS SECTION
KY 15 RELOCATION
STA. 175+00 TO STA. 175+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X100

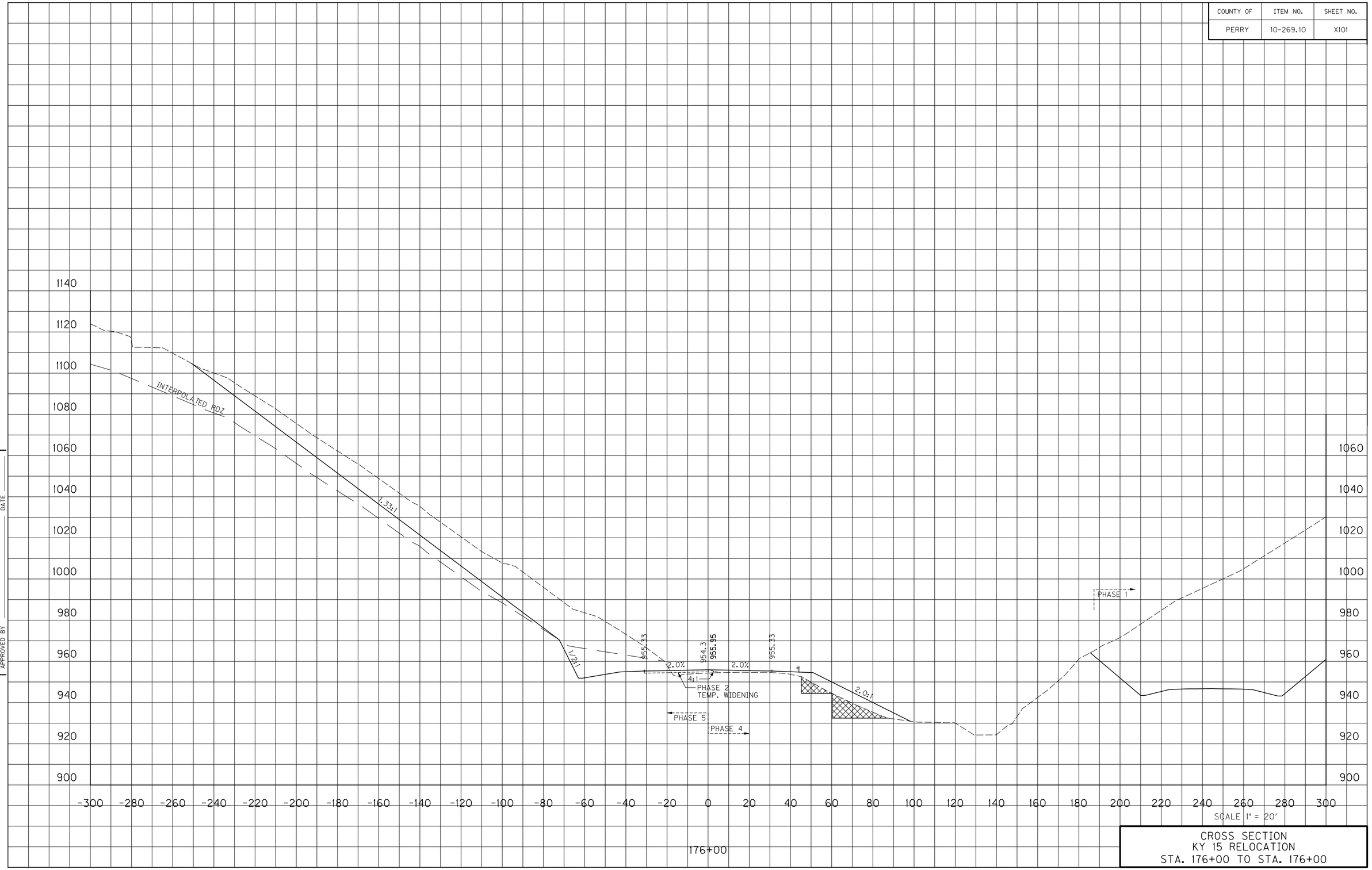


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 175+50 TO STA. 175+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X101



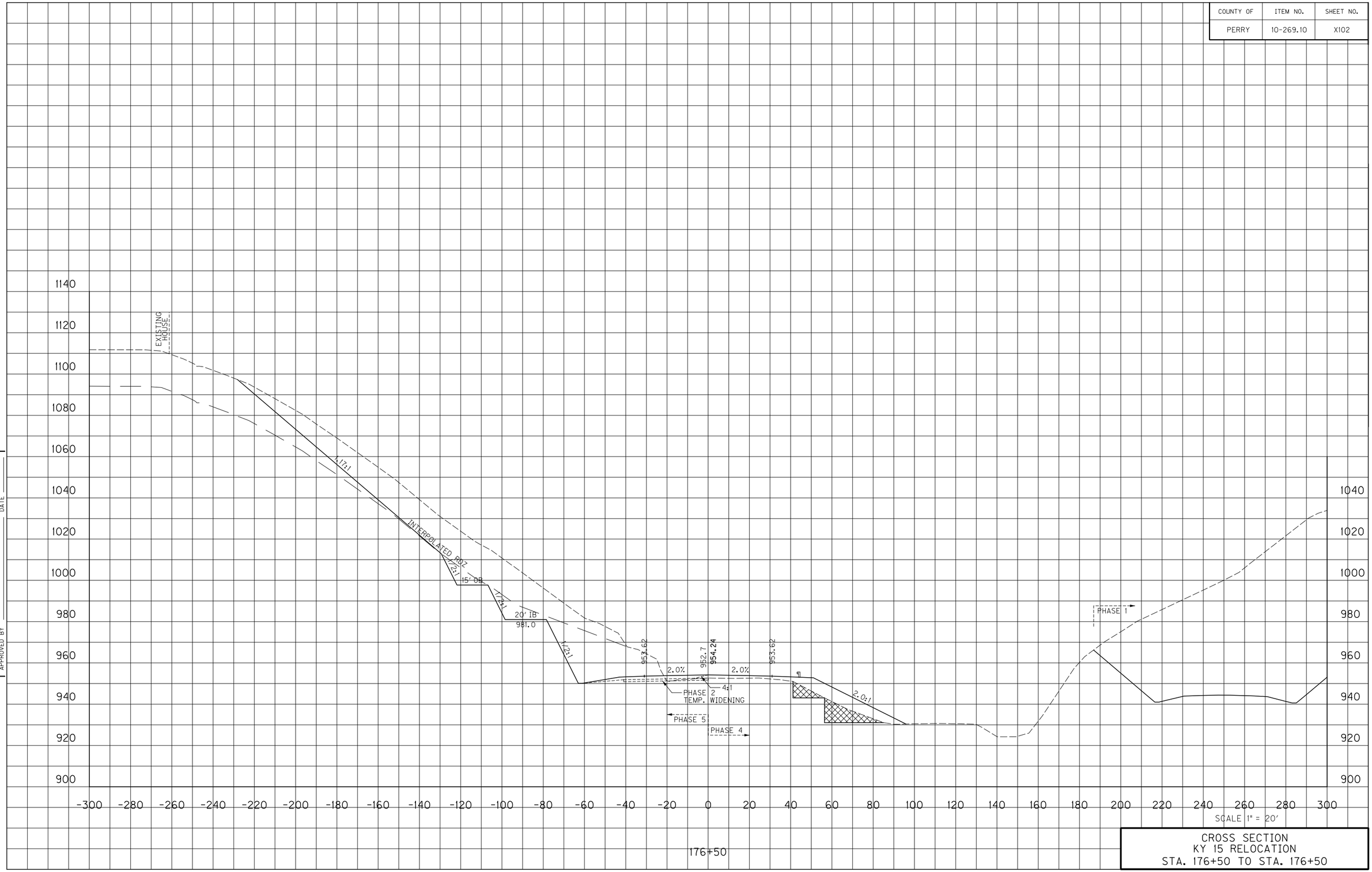
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 176+00 TO STA. 176+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X102



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 176+50 TO STA. 176+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

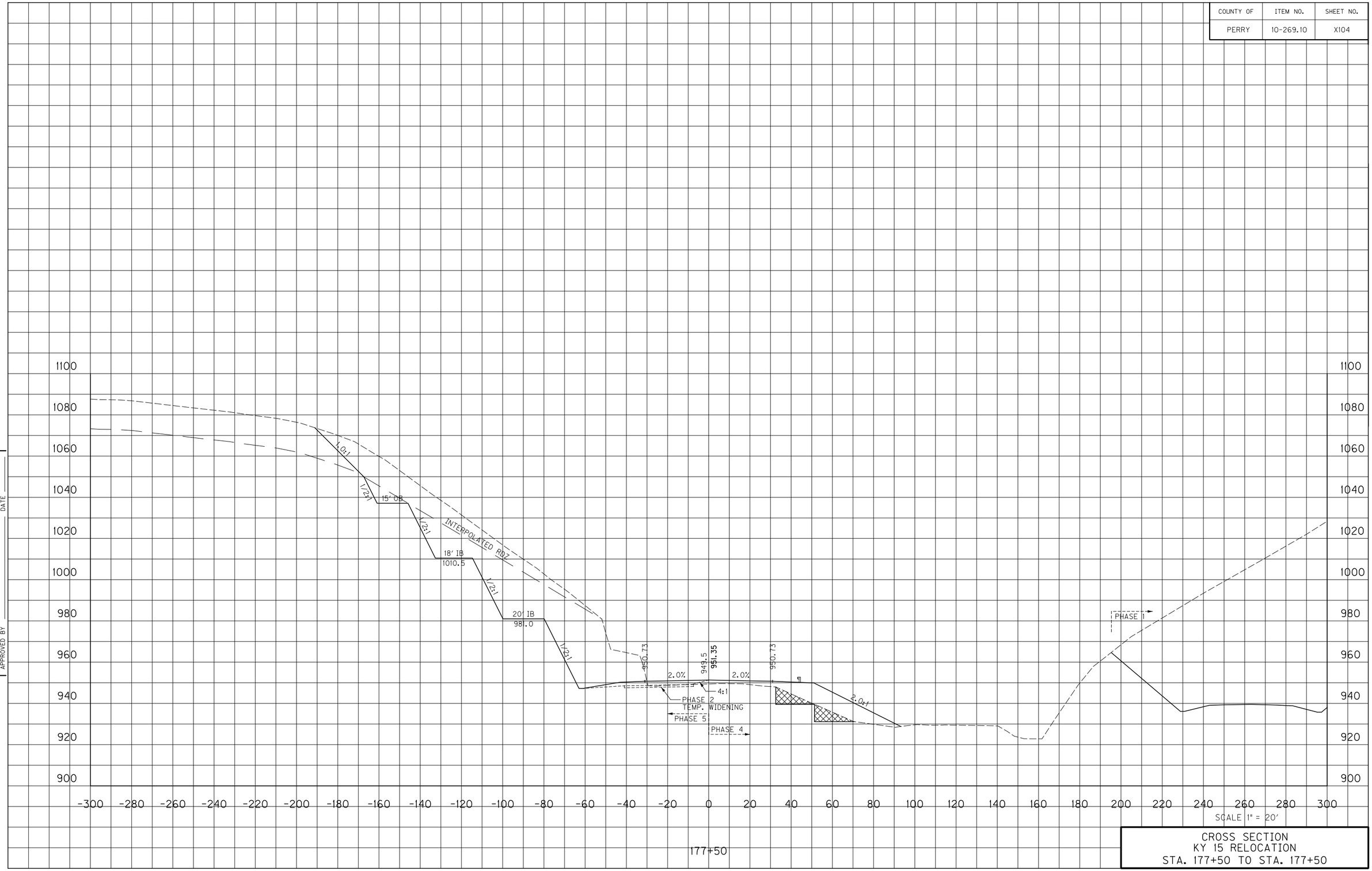
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X103

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 177+00 TO STA. 177+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X104



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

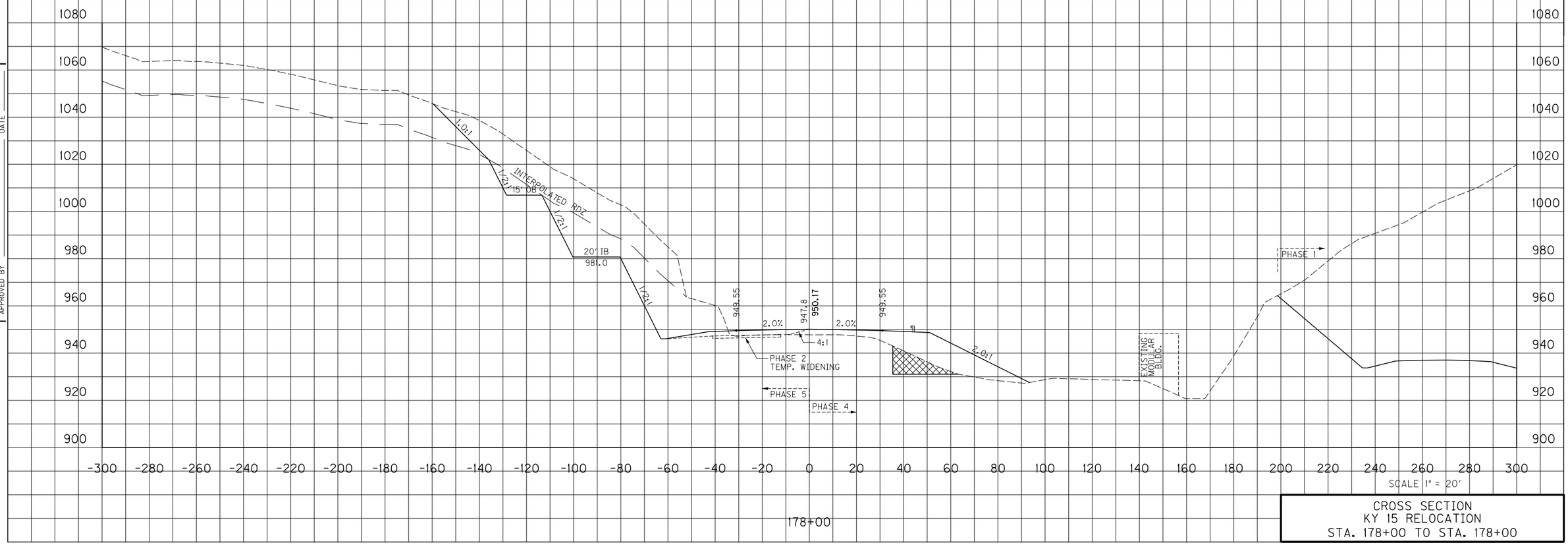
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 177+50 TO STA. 177+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X105

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

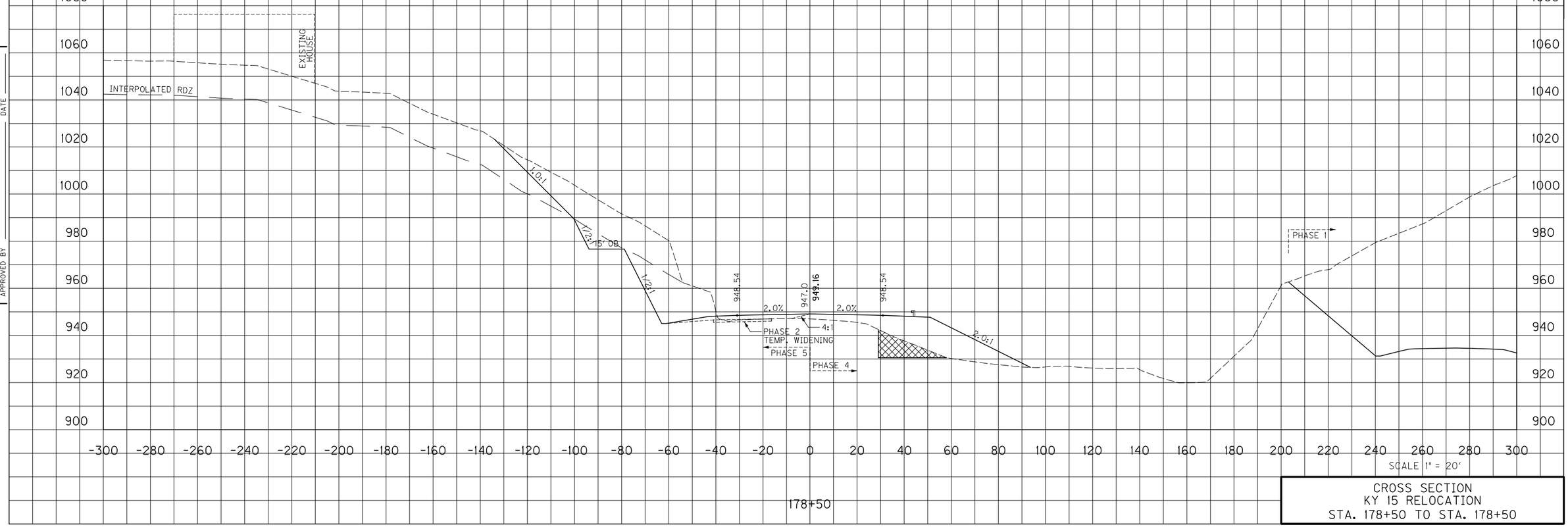
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 178+00 TO STA. 178+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X106



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 178+50 TO STA. 178+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X107

RT. STA. 179+40.12, END 2' F.B. OUTLET
DT. @ 10.93%, ELEV. 918.93

RT. STA. 179+37.37, END 2' F.B. OUTLET
DT. @ 50.00%, BEGIN 2' F.B. OUTLET DT.
@ 10.93%, ELEV. 921.00

RT. STA. 179+36.29, BEGIN 2' F.B. OUTLET
DT. @ 50.00%, ELEV. 942.96

STA. 179+14.95 END NORMAL CROWN

LT. STA. 179+00.00, END 2' F.B. DT.
@ NORMAL DEPTH, BEGIN SPL. 2' F.B.
DT. @ 1.27%, ELEV. 944.23

INTERPOLATED ROZ

4:1.0

15' OB

4:1

944.23
1.27 %

947.71

2.0%

945.7

948.33

2.0%

947.71

4:1

2.0:1

PHASE 2
TEMP. WIDENING

PHASE 5

PHASE 4

PHASE 1

1080
1060
1040
1020
1000
980
960
940
920
900

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

179+00

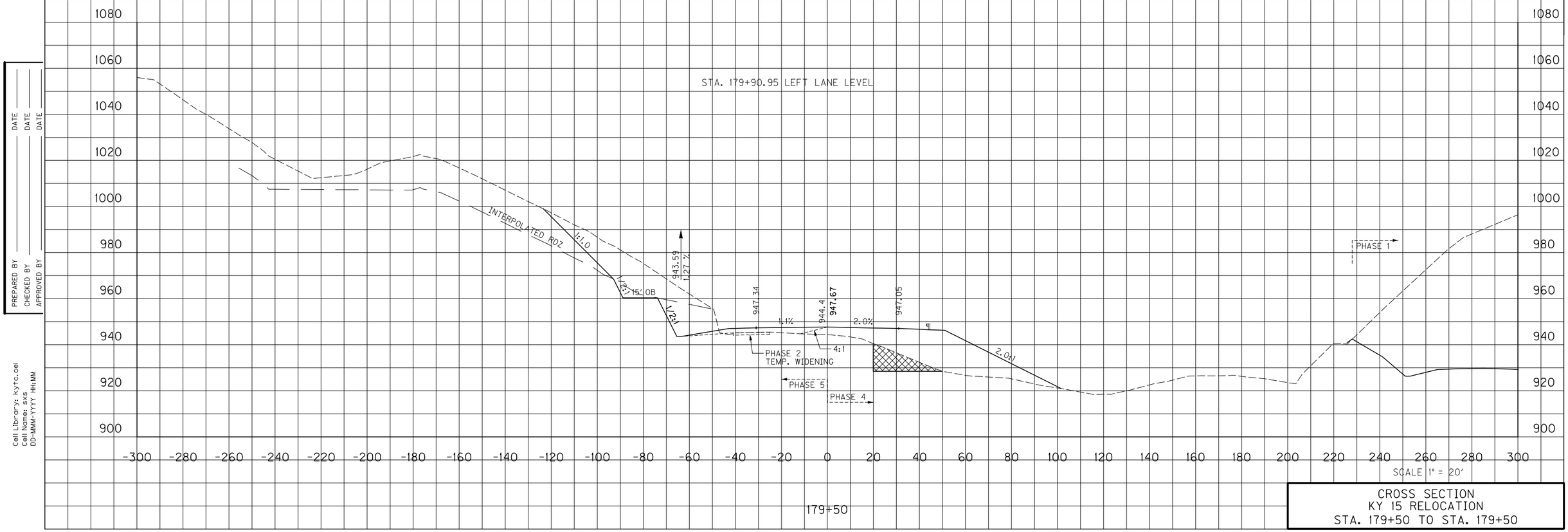
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 179+00 TO STA. 179+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X108

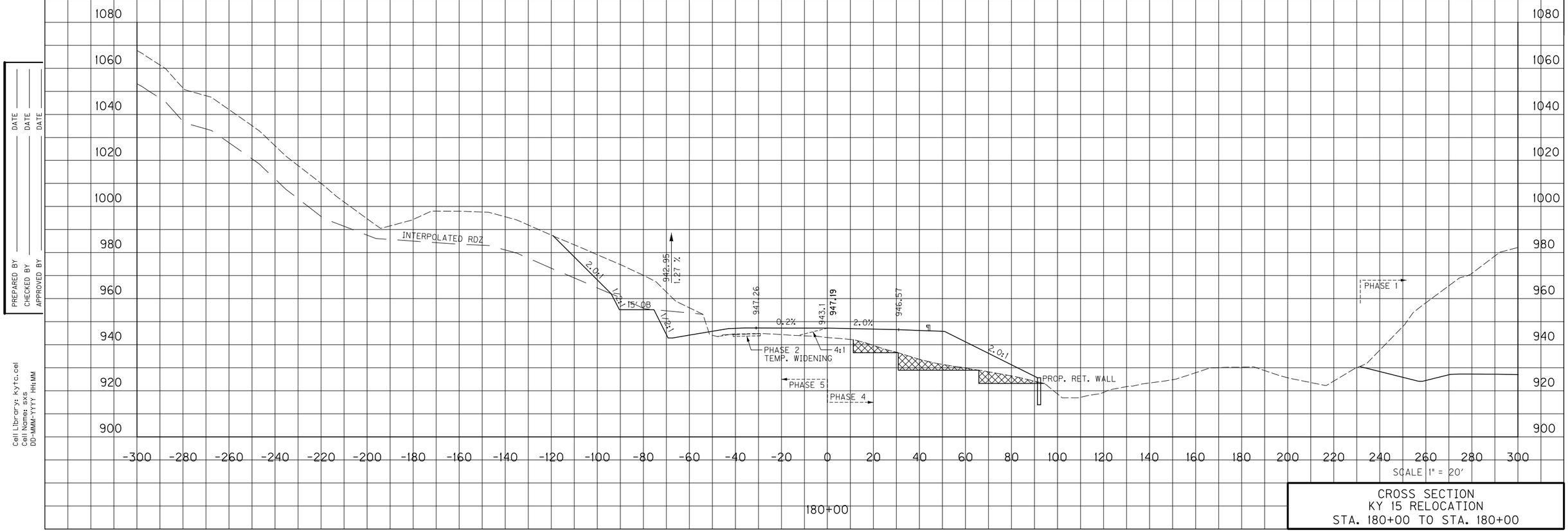


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 179+50 TO STA. 179+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X109



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 180+00 TO STA. 180+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X110

LT. STA 180+59.50, BEGIN 25:1 SHOULDER TAPER

LT. STA. 180+94.40, BEGIN SPL. 2' F.B. DT. @ 30.22%, ELEV. 951.43

LT. STA. 180+73.79, END SPL. 2' F.B. DT. @ 1.27%, BEGIN SPL. 2' F.B. DT. @ 13.06%, BEGIN 42" ENTR. PIPE, ELEV. 942.00

942.31
1.27 %
947.36
943.0
946.88
946.26
1.6%
2.0%
2.0:1
4:1
4.0:1
7.0:1
PHASE 2 TEMP. WIDENING
PHASE 2 TEMPORARY ACCESS ROAD
PHASE 1
PHASE 5
PHASE 2
EX. 8'x6' RCBC

1080 1060 1040 1020 1000 980 960 940 920 900

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

SCALE 1" = 20'

180+50

CROSS SECTION
KY 15 RELOCATION
STA. 180+50 TO STA. 180+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	XIII

STA. 181+80.95 BEGIN FULL SUPERELEVATION

LT. STA. 181+69.62, END 42" ENTR. PIPE, BEGIN 4' F.B. SURF. DT. @ 9.00%, ELEV. 930.00

RT. STA. 181+81.47, END 2' F.B. OUT. DT. @ 15.63%, ELEV. 915.30

RT. STA. 181+78.21, BEGIN 2' F.B. OUT. DT. @ 15.63%, ELEV. 917.37

948.09

942.3

946.179

945.49

4.0:1

4.0%

4.2%

4:1

2.0:1

42" PIPE

PROP. RET. WALL

EXISTING HOUSE

PHASE 1

181+50

LT. STA 181+09.50, END 25:1 SHOULDER TAPER

LT. STA. 181+09.80, END SPL. 2' F.B. DT. @ 13.06% TIE TO EXISTING, ELEV. 950.79

LT. STA. 181+00.00, END SPL. 2' F.B. DT. @ 30.22%, ELEV. 948.76

V.P.O.T. 133.34' LT. ELEV. 952.56

V.P.I. 85.00' LT. ELEV. 945.82

13.94%

70' V.C.

42" PIPE

947.64

942.6

946.175

945.86

2.9%

4:1

4.0:1

ALONG CENTER OF ENTRANCE

PHASE 5

PHASE 2

PHASE 1

EX. 8'x6' RCBC

SCALE 1" = 20'

181+00

PREPARED BY _____ DATE _____

CHECKED BY _____ DATE _____

APPROVED BY _____ DATE _____

Cell Library: kytc.cel
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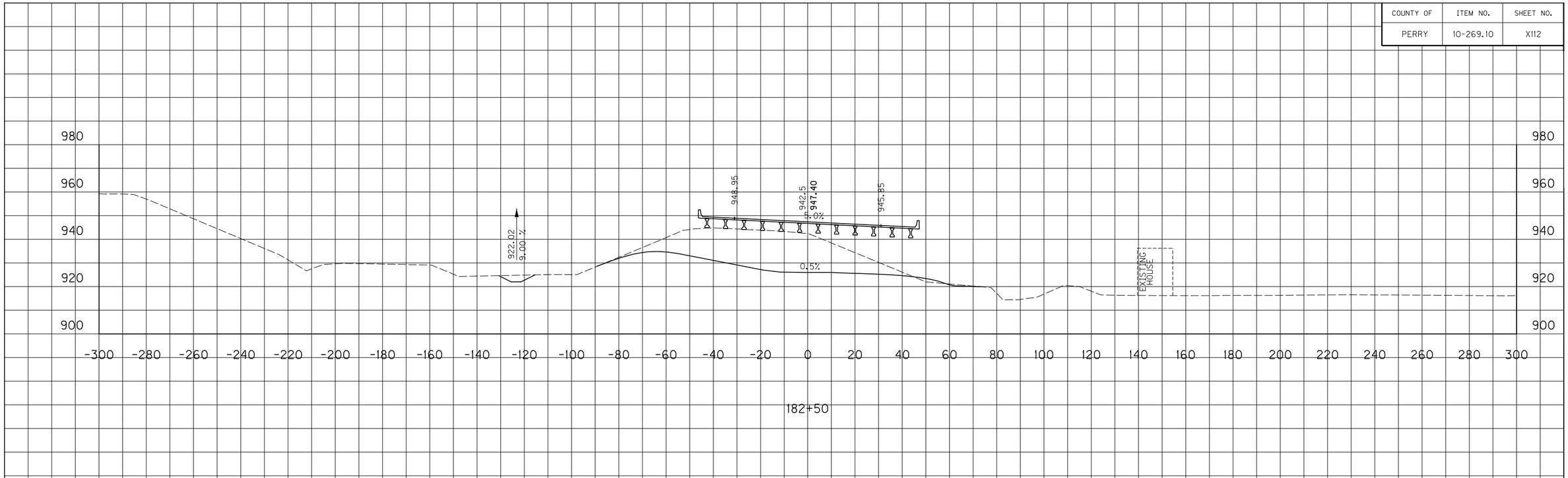
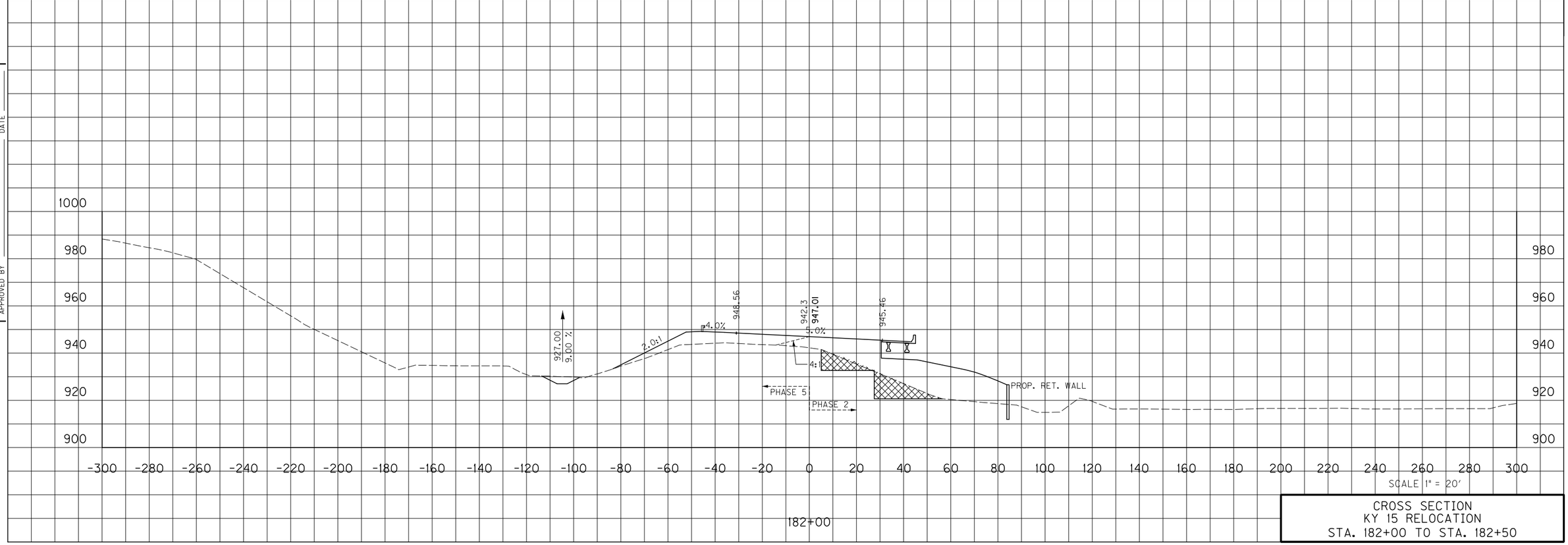
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 181+00 TO STA. 181+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X112





PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

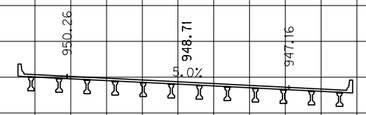
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 182+00 TO STA. 182+50

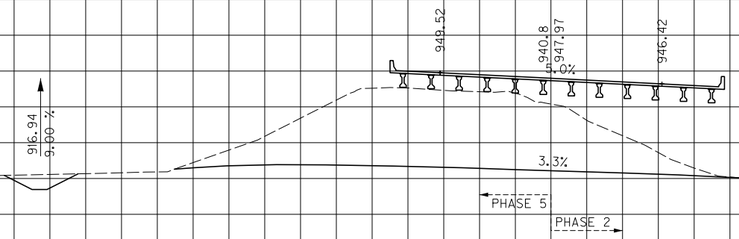
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X113

RT. STA. 183+97.31, BEGIN SPL. 2' F.B. DT. @ 20.00%, ELEV. 917.29

RT. STA. 183+58.58, BEGIN SIX-24" RAILROAD CROSSDRAIN PIPES @ 1.00%, ELEV. 912.50



LT. STA. 183+49.47, END 4' F.B. SURF. DT. @ 9.00%, ELEV. 912.00



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 183+00 TO STA. 183+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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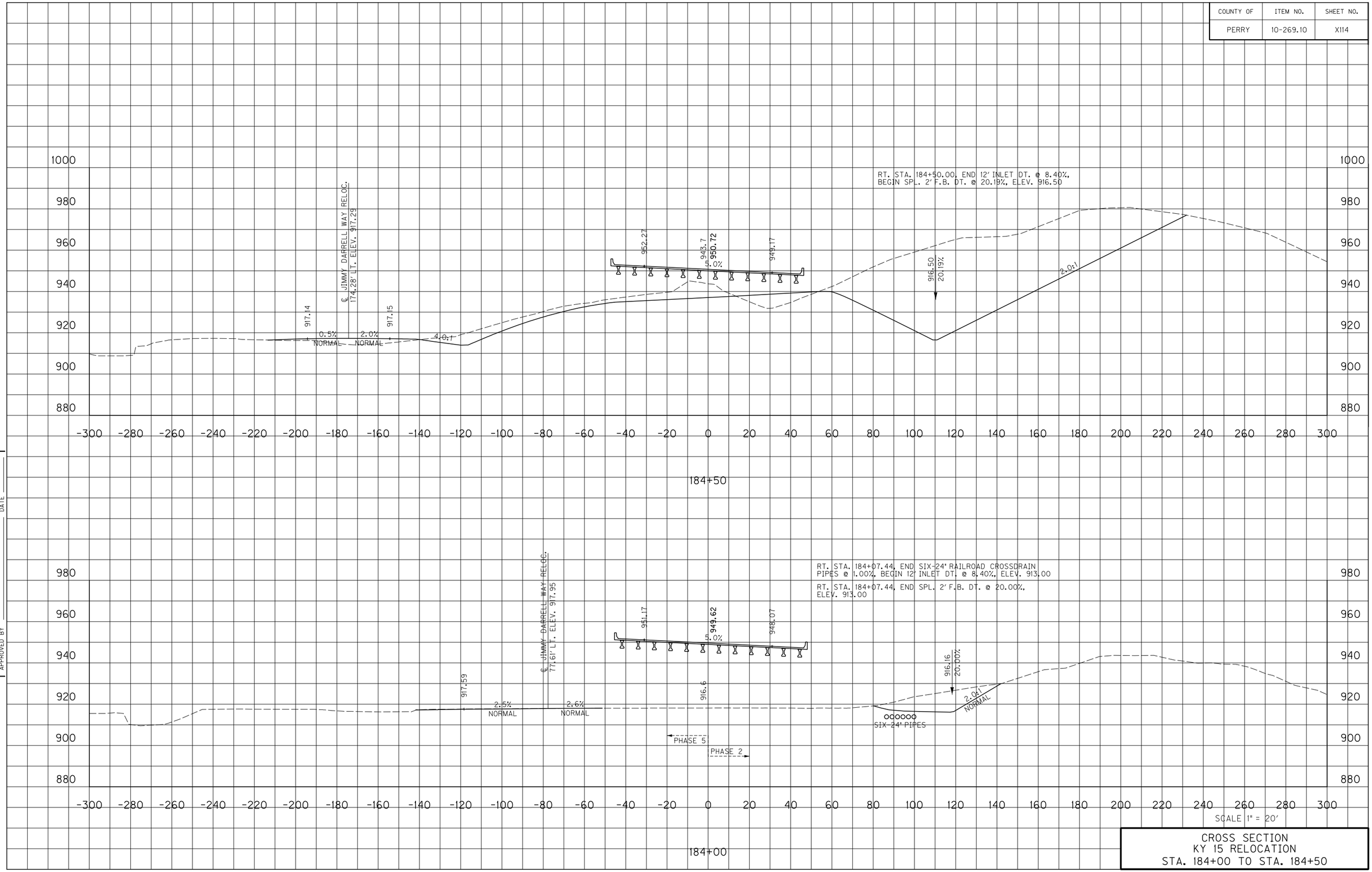
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X114



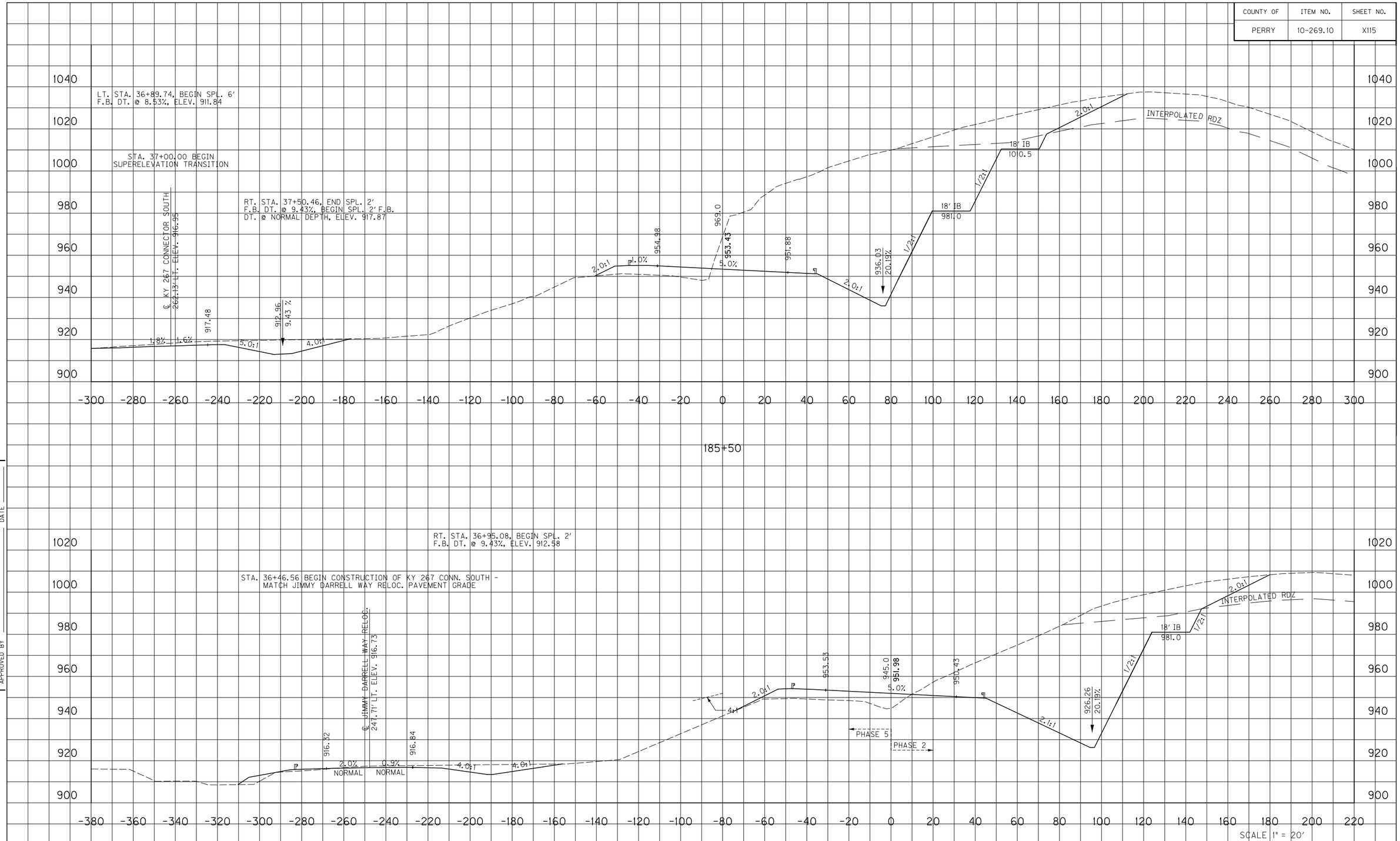
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 184+00 TO STA. 184+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X115



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 185+00 TO STA. 185+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X116

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
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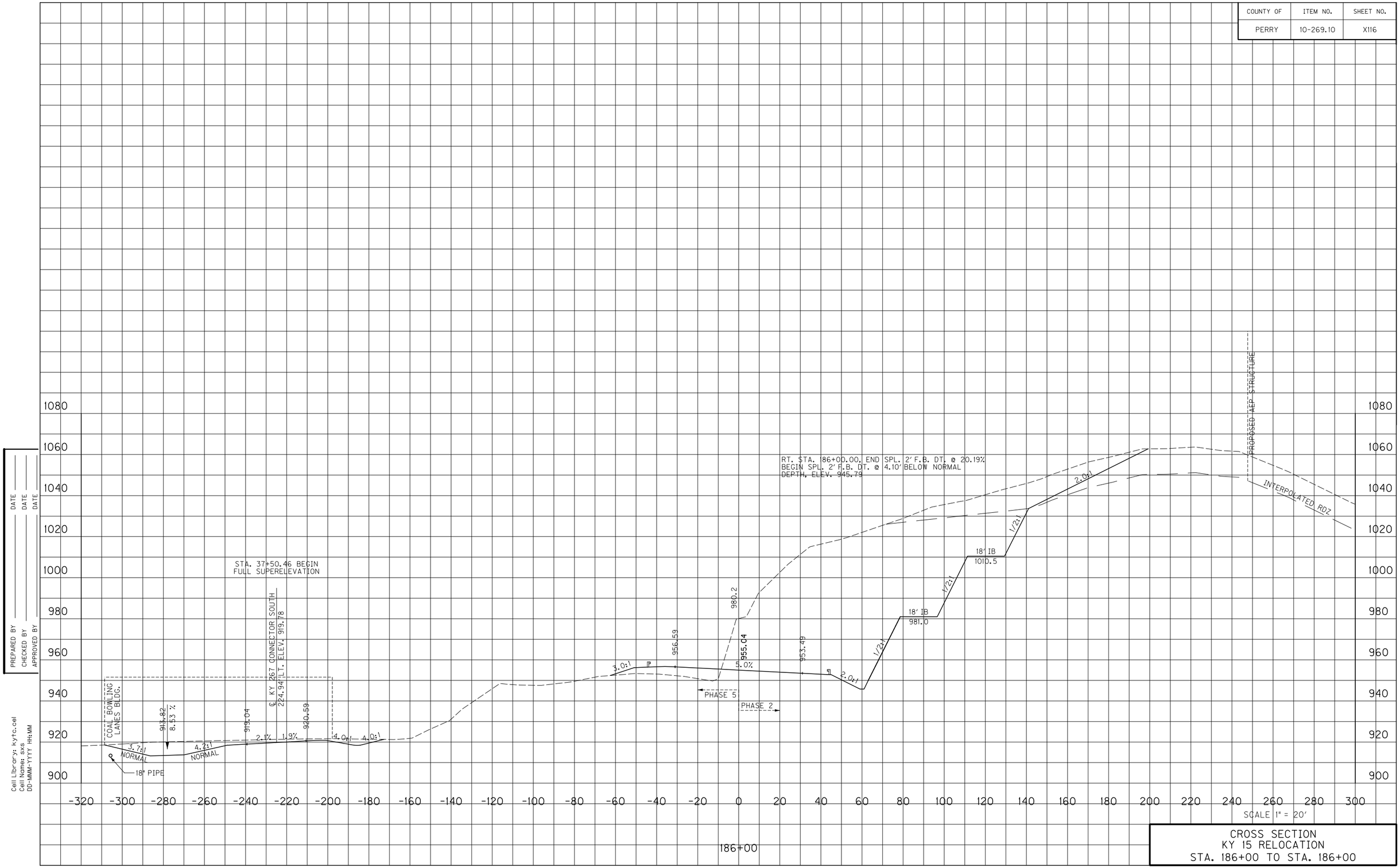
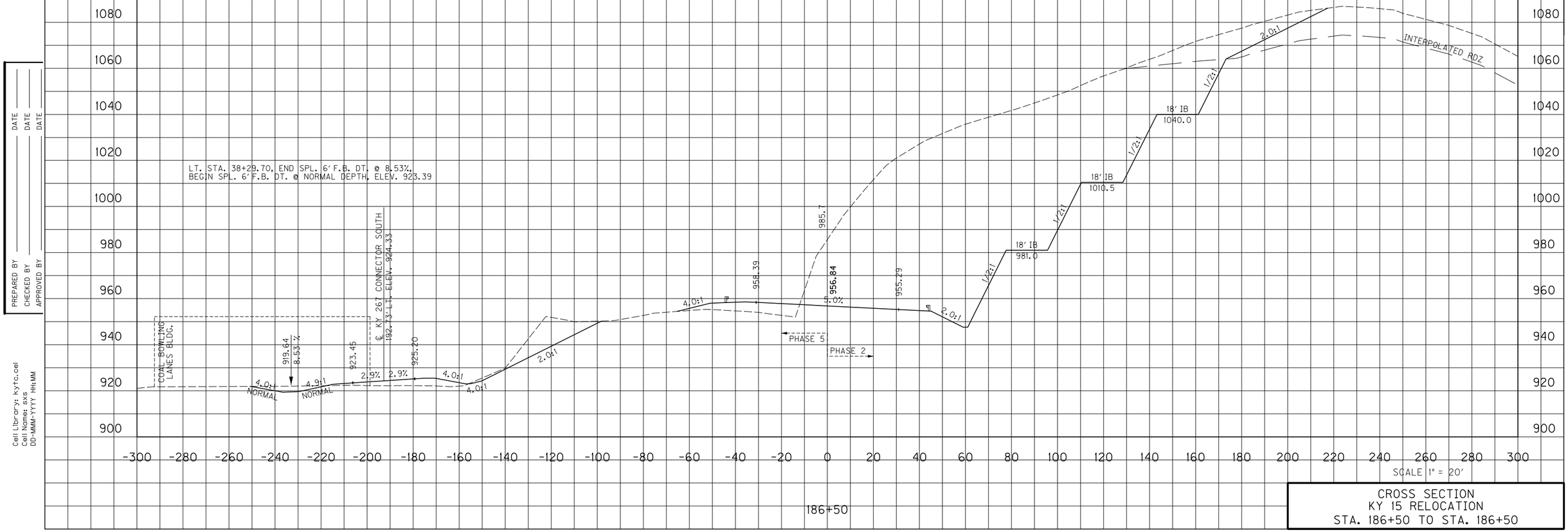


CROSS SECTION
KY 15 RELOCATION
STA. 186+00 TO STA. 186+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X117

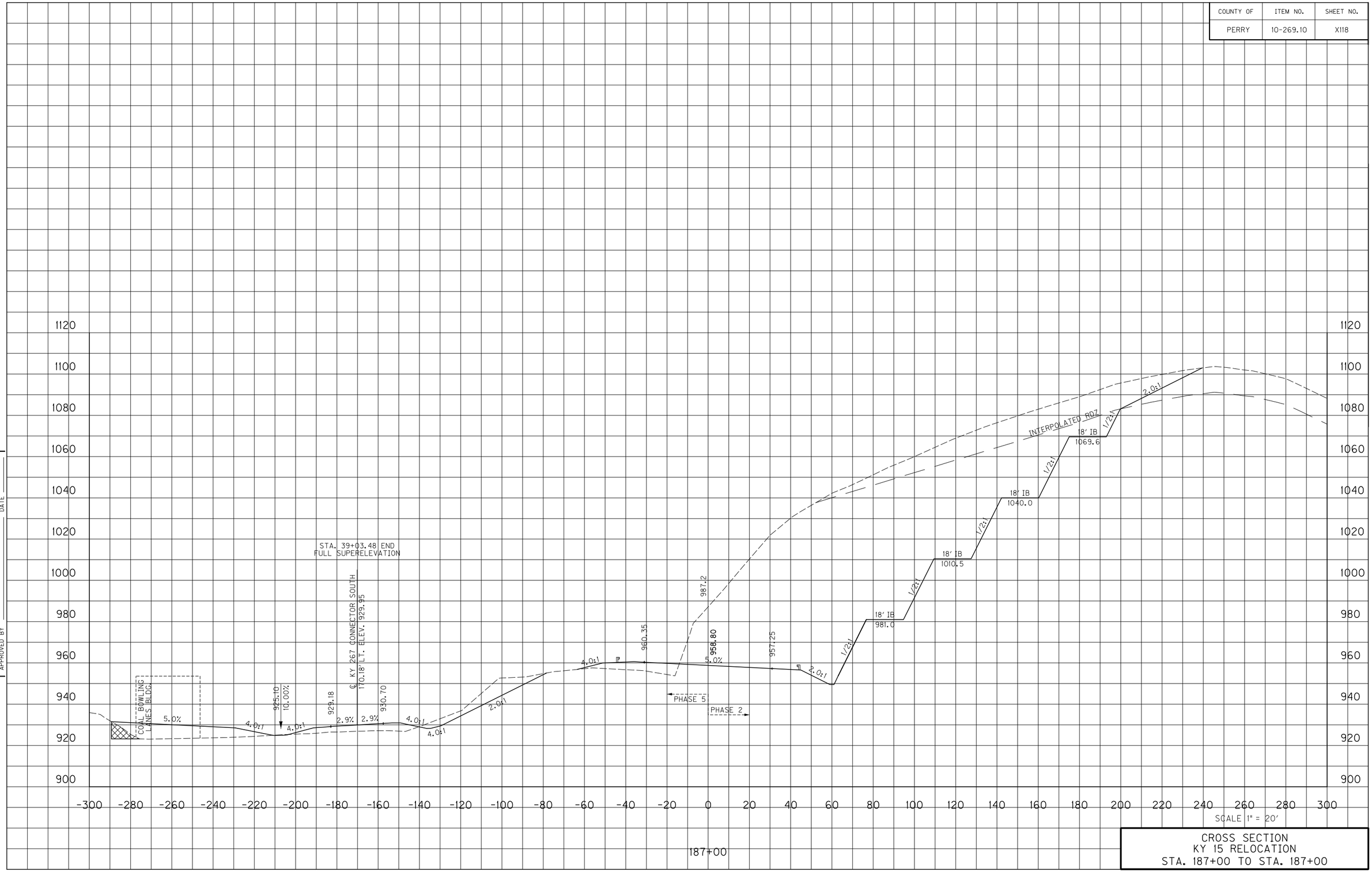


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 186+50 TO STA. 186+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X118

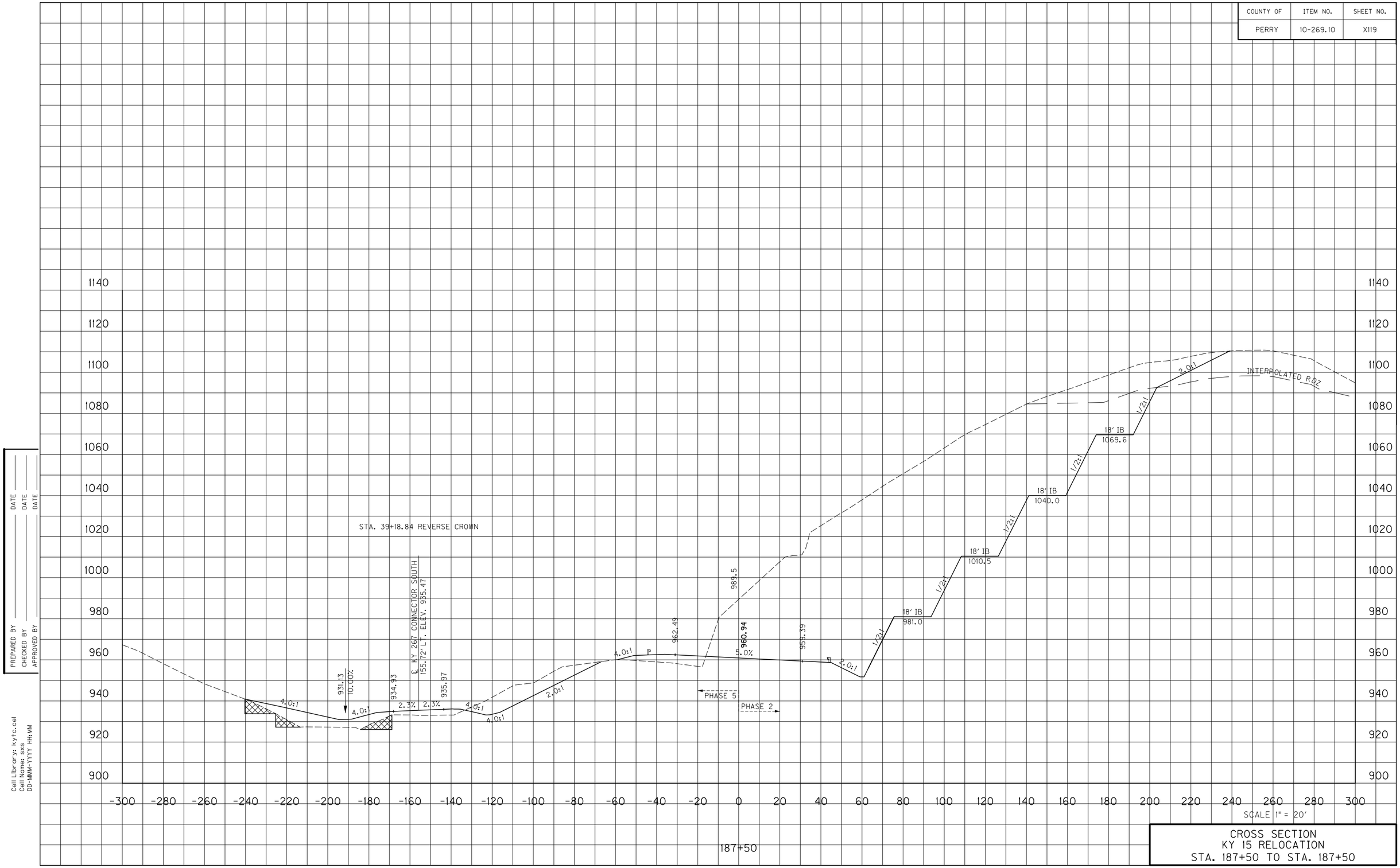


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: KyTc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 187+00 TO STA. 187+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X119

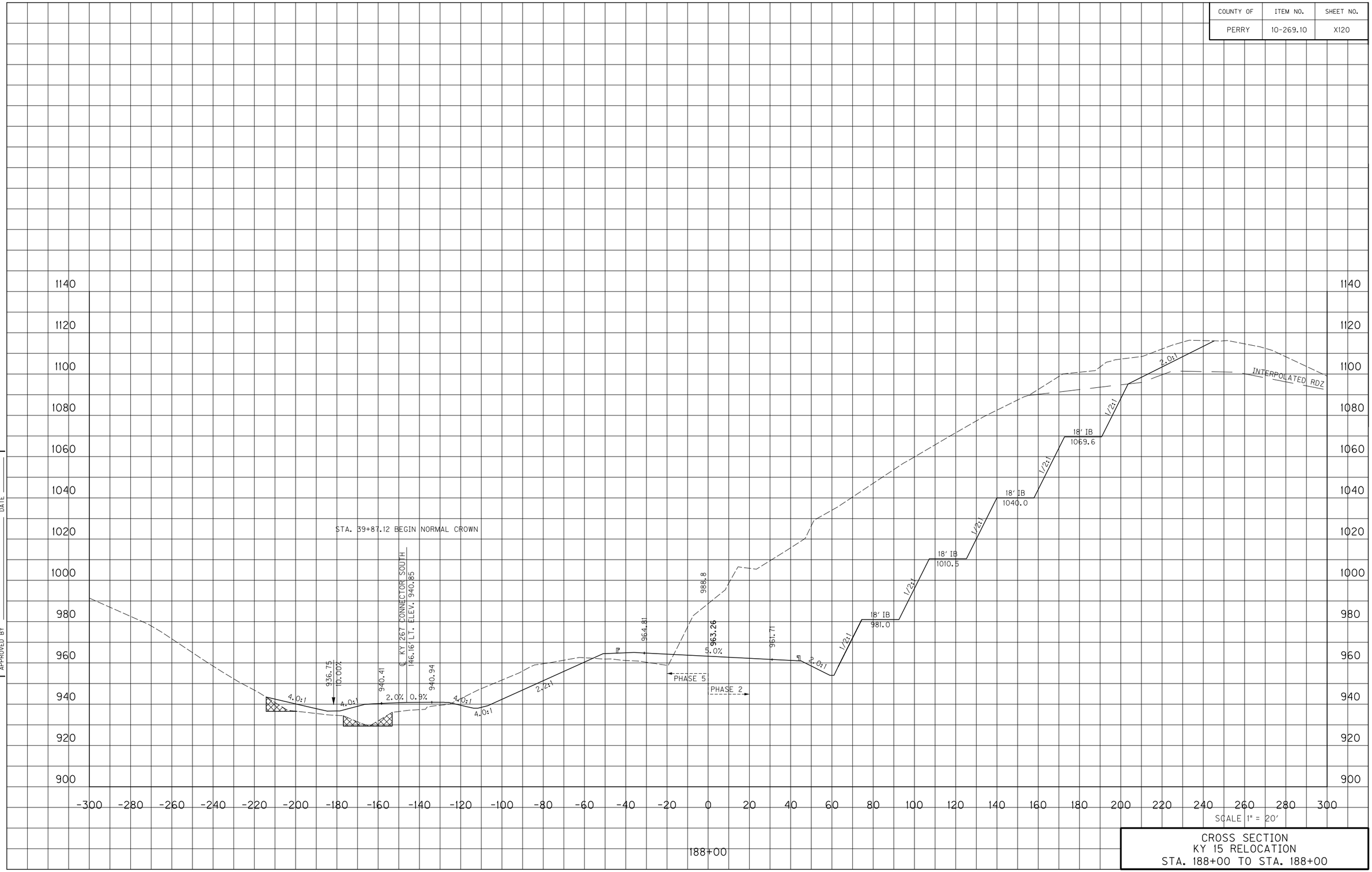


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 187+50 TO STA. 187+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X120



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 188+00 TO STA. 188+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X121

CROSS SECTION
KY 15 RELOCATION
STA. 188+50 TO STA. 188+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X122

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 189+00 TO STA. 189+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

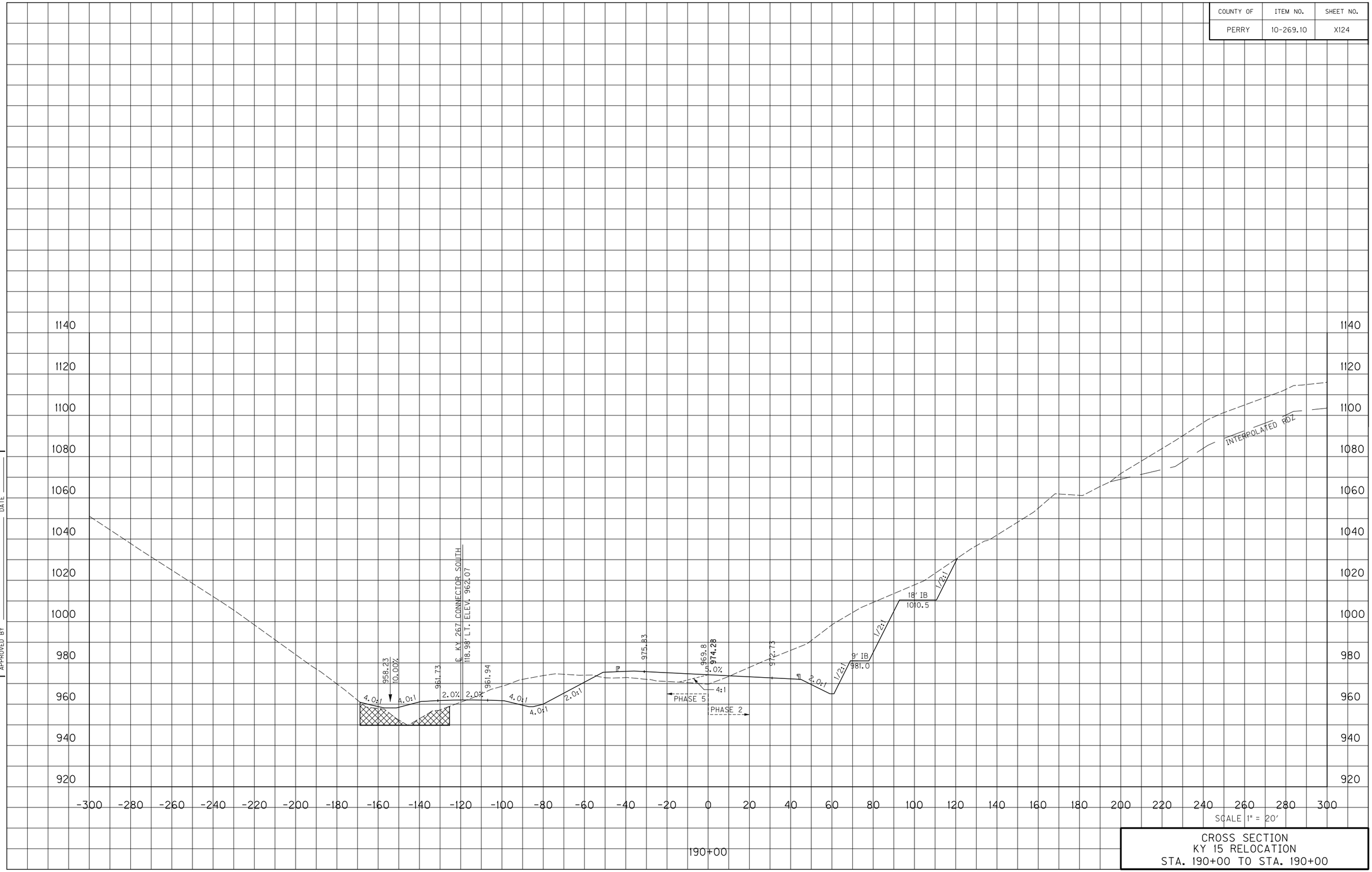
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X123

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 189+50 TO STA. 189+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X124



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

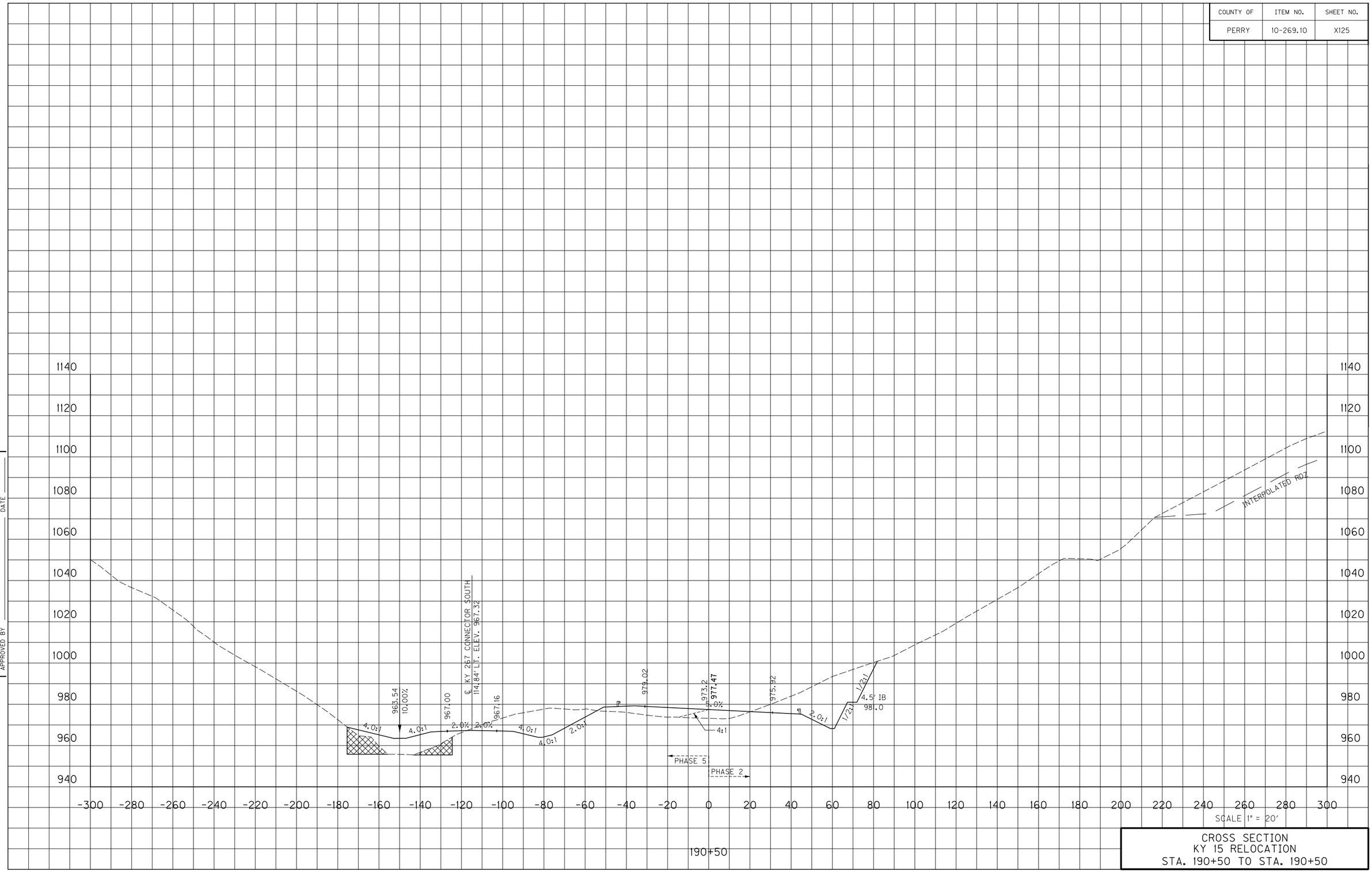
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 190+00 TO STA. 190+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X125

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

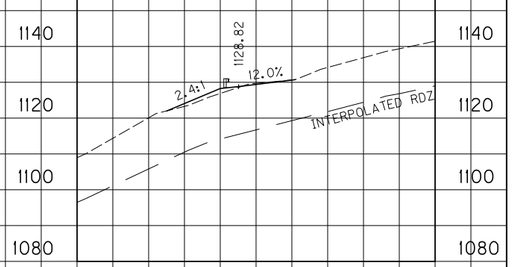
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

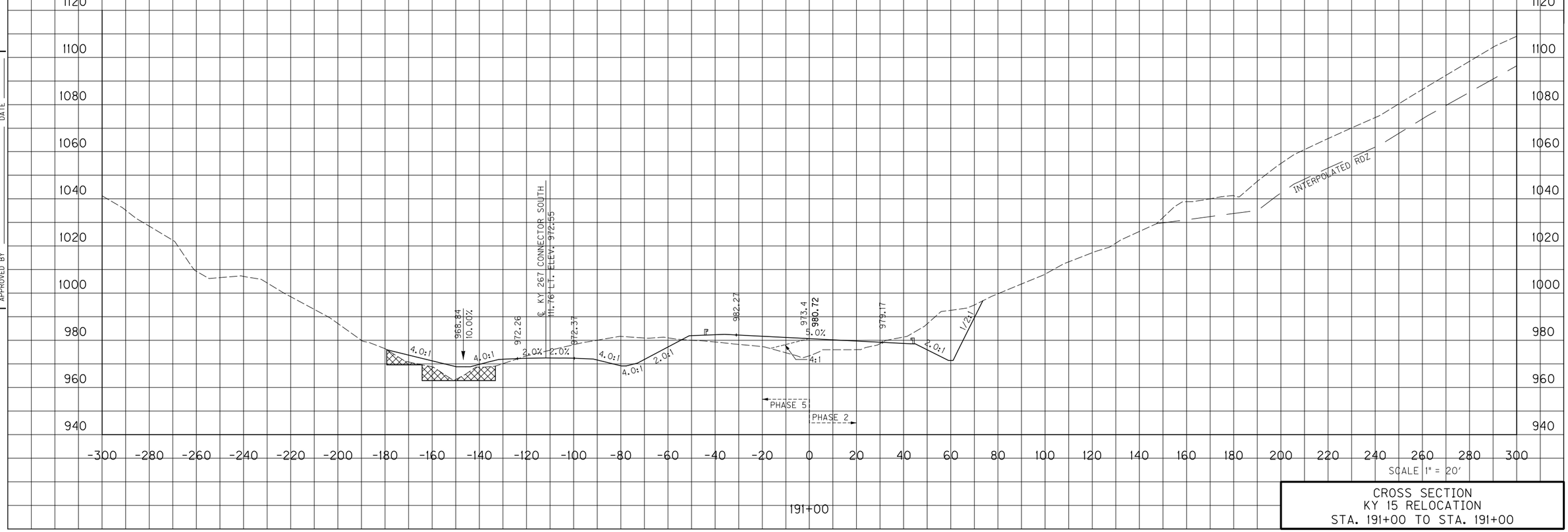


SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 190+50 TO STA. 190+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X126



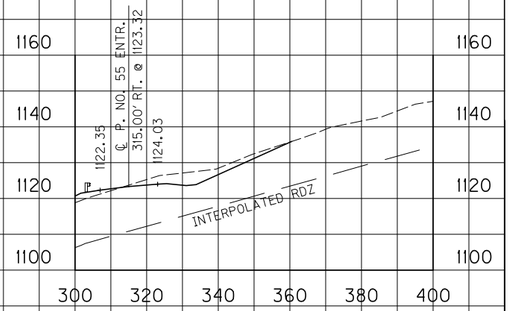


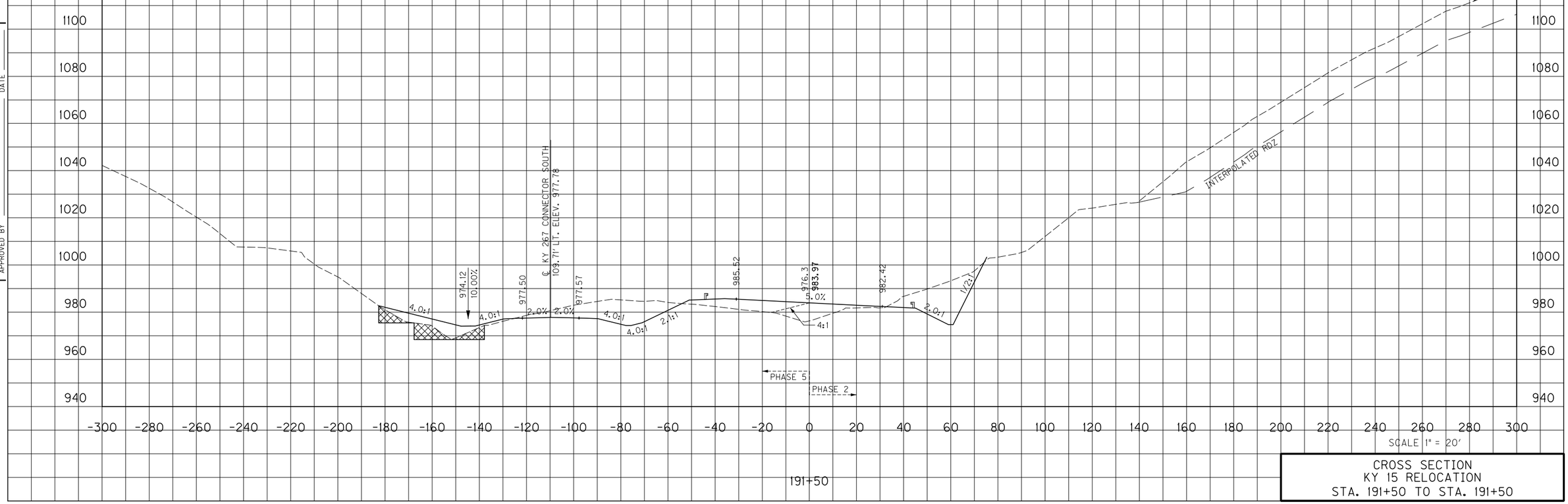
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 191+00 TO STA. 191+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X127





PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

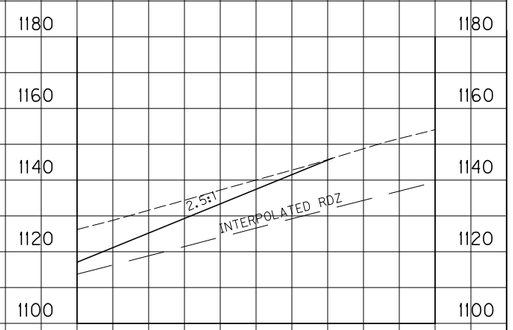
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

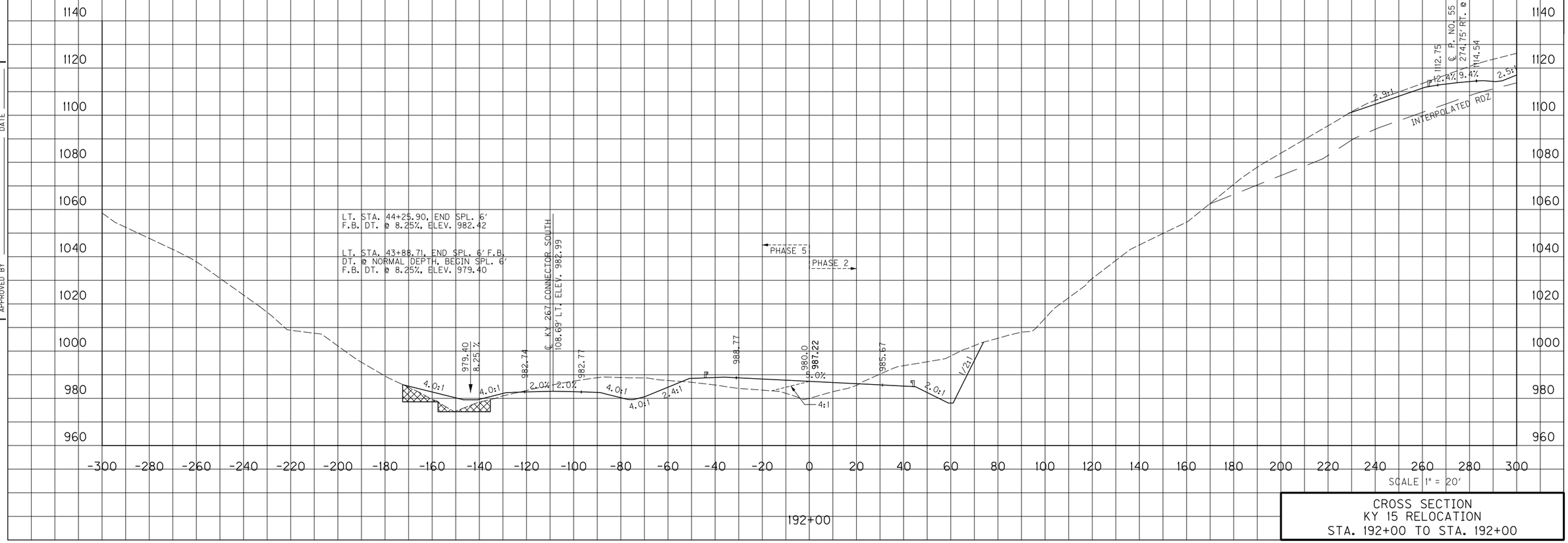
SCALE 1" = 20'

191+50

CROSS SECTION
KY 15 RELOCATION
STA. 191+50 TO STA. 191+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X128



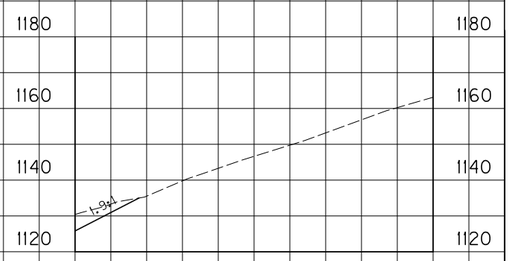


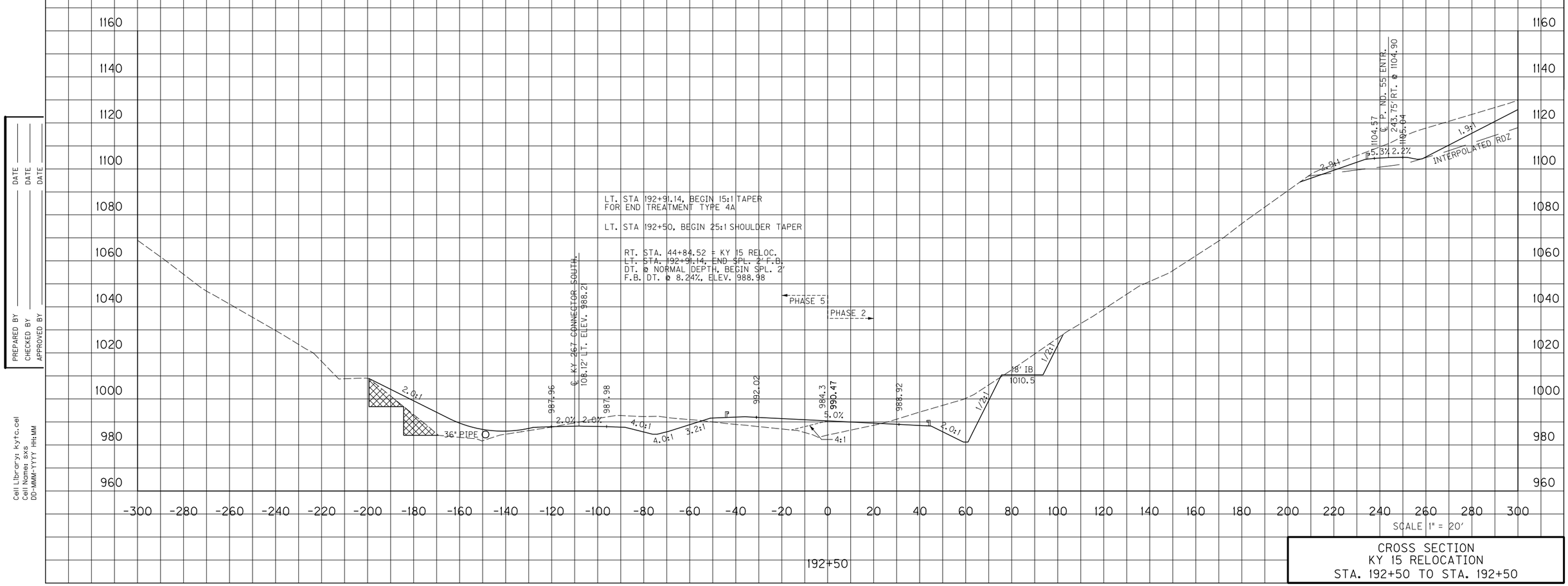
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 192+00 TO STA. 192+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X129





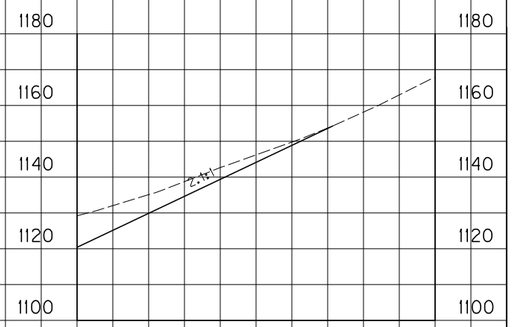
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

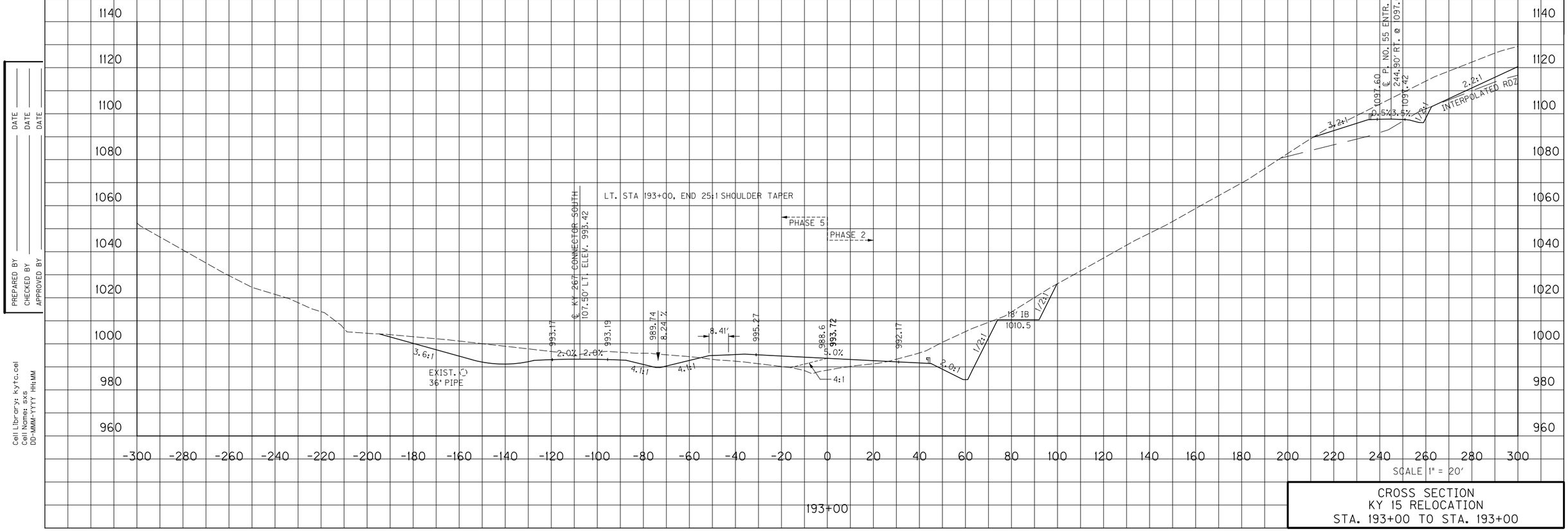
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 192+50 TO STA. 192+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X130



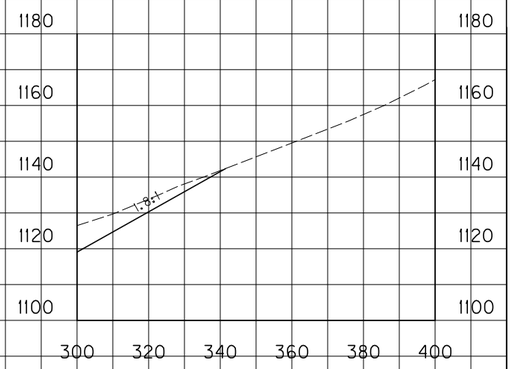


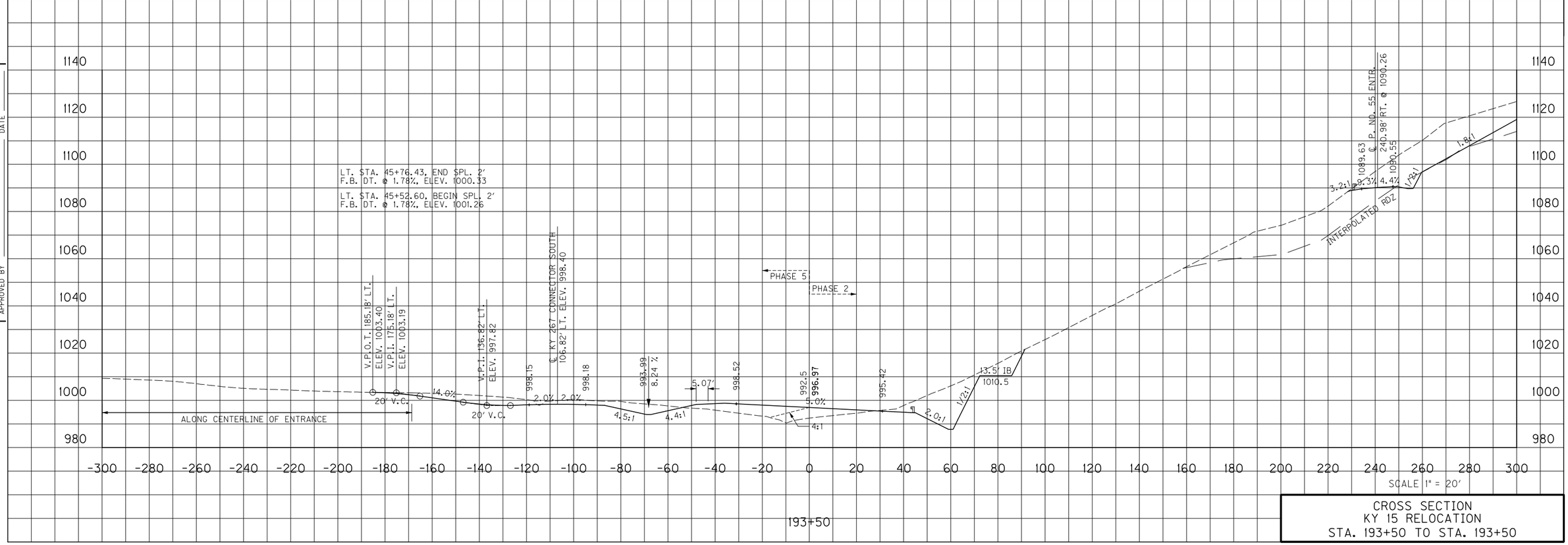
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 193+00 TO STA. 193+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X131





PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

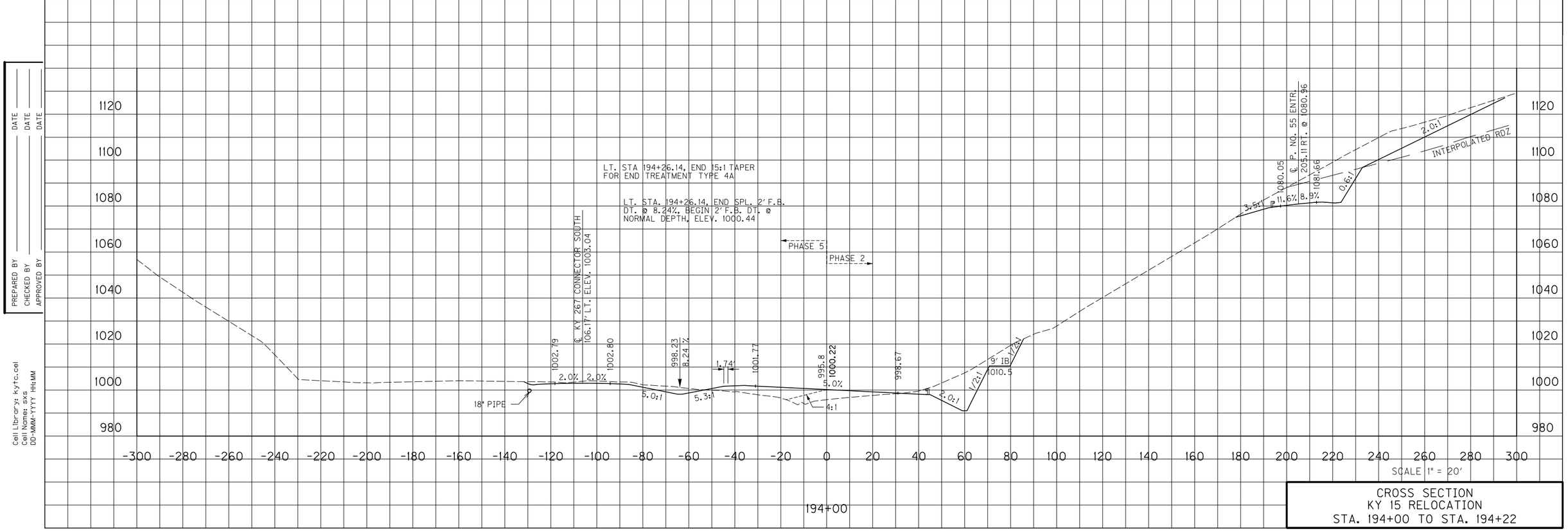
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 193+50 TO STA. 193+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X132

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



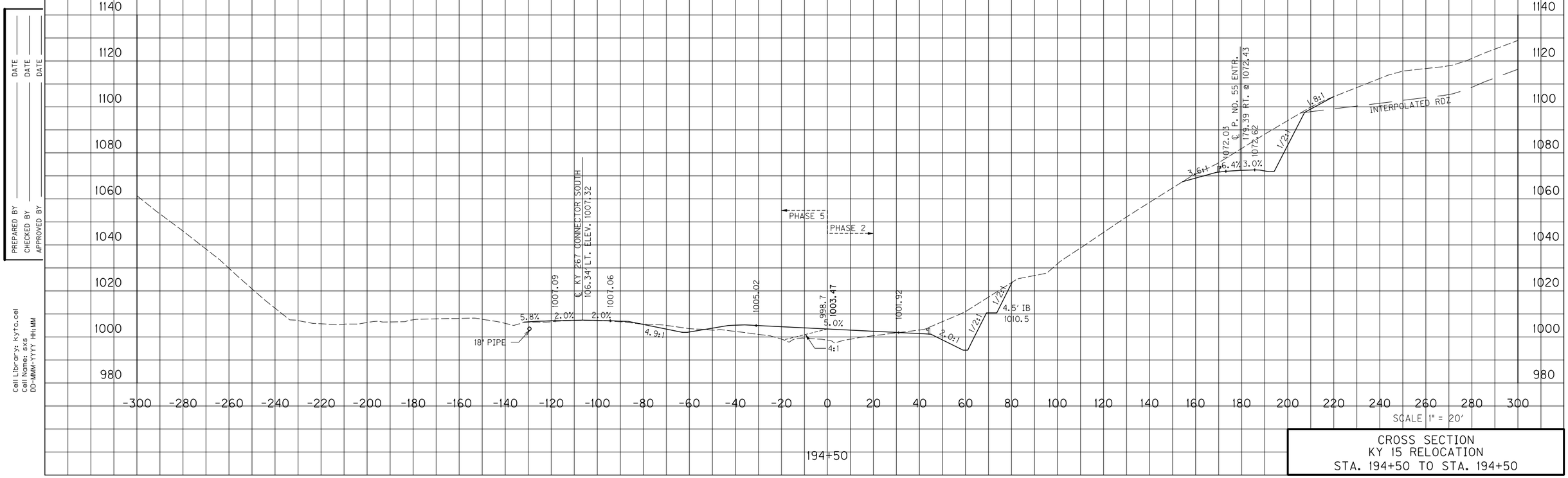
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 194+00 TO STA. 194+22

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X133

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

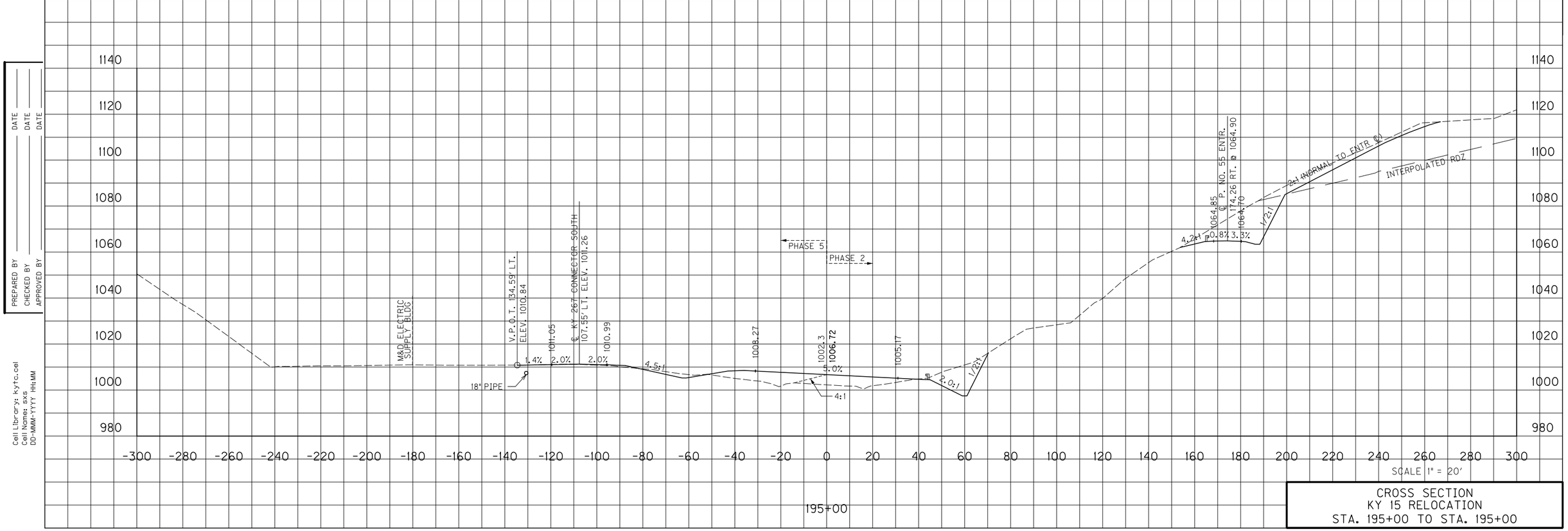
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 194+50 TO STA. 194+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X134

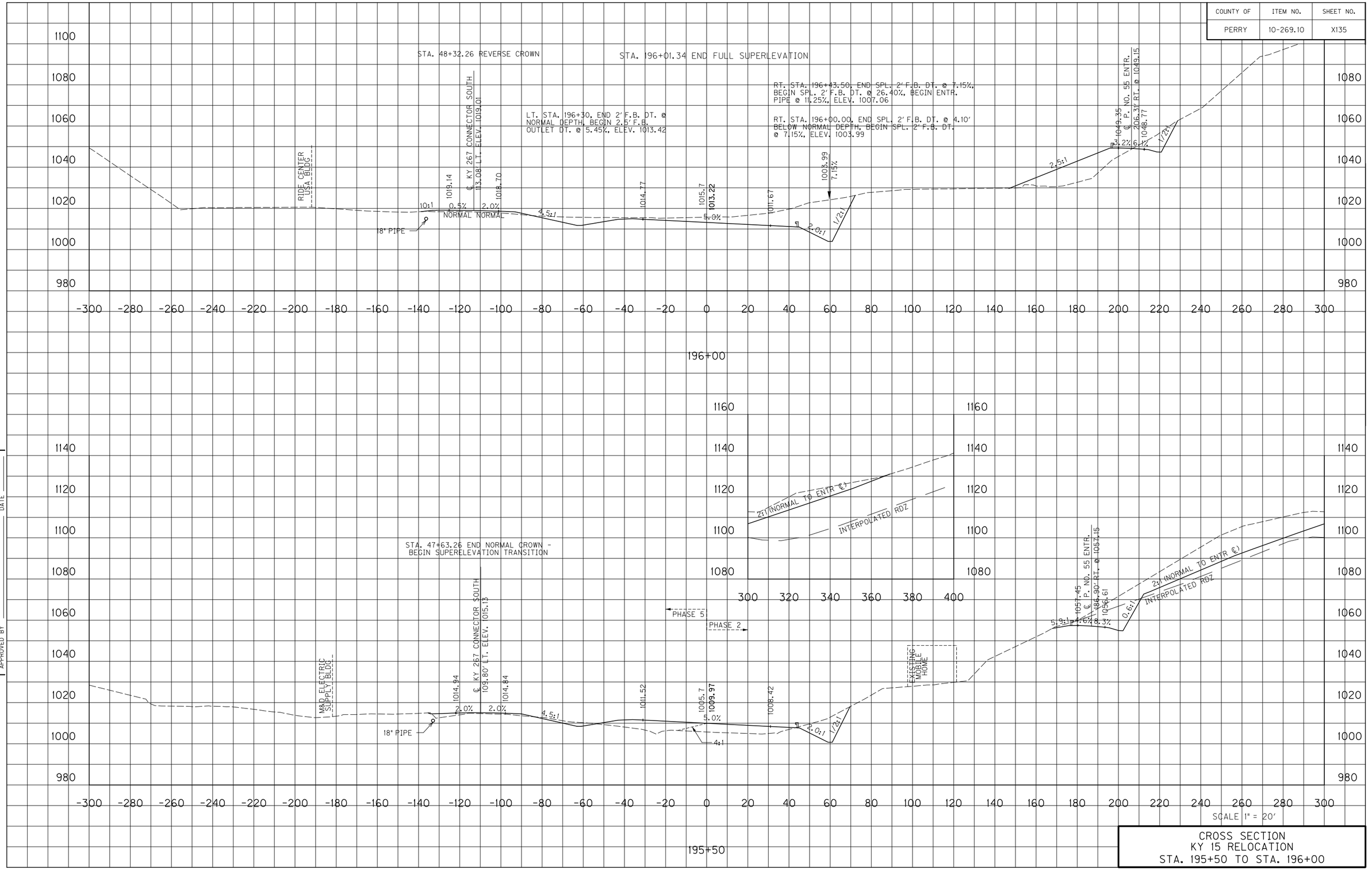


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 195+00 TO STA. 195+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X135

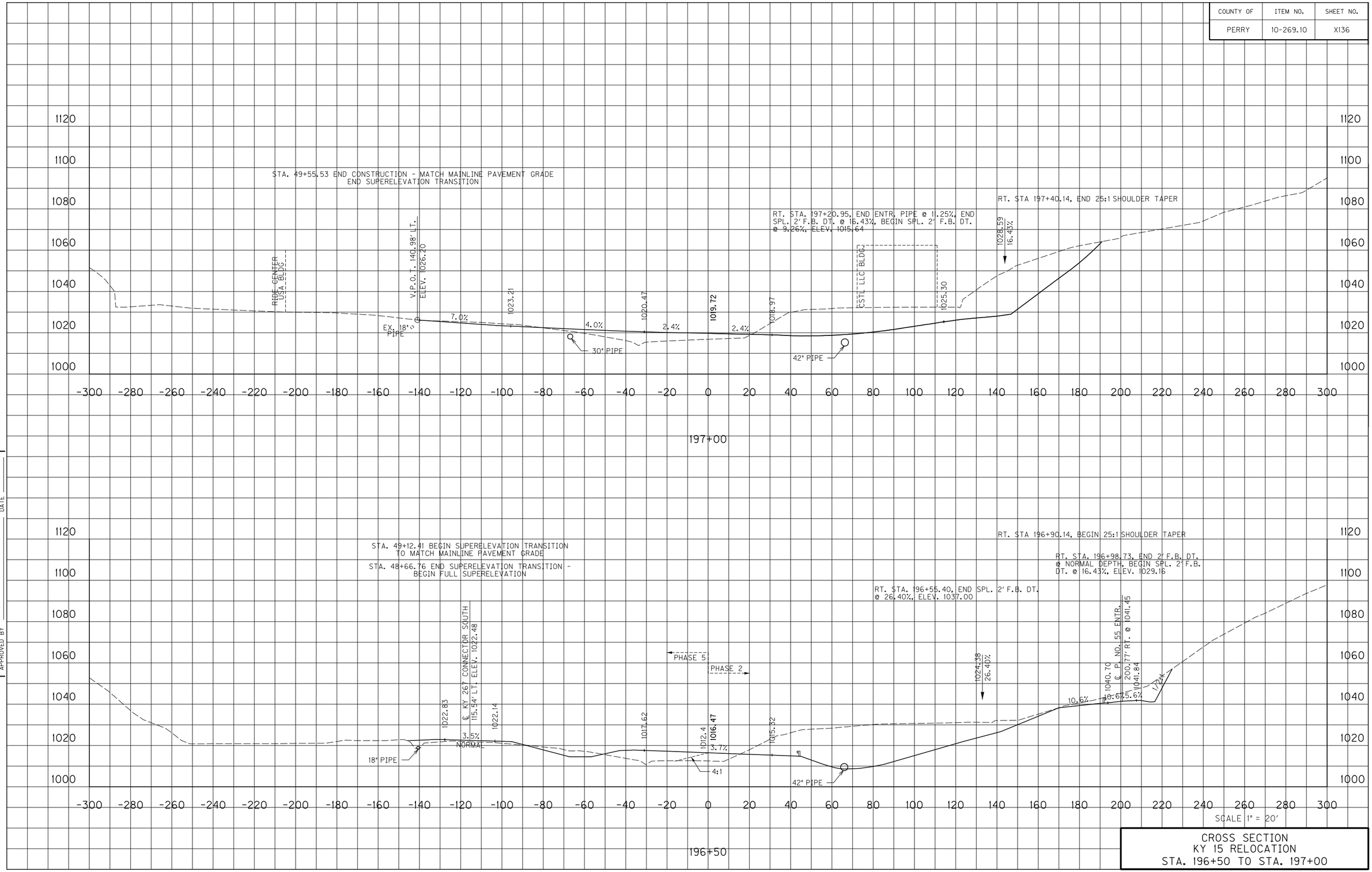


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 195+50 TO STA. 196+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X136

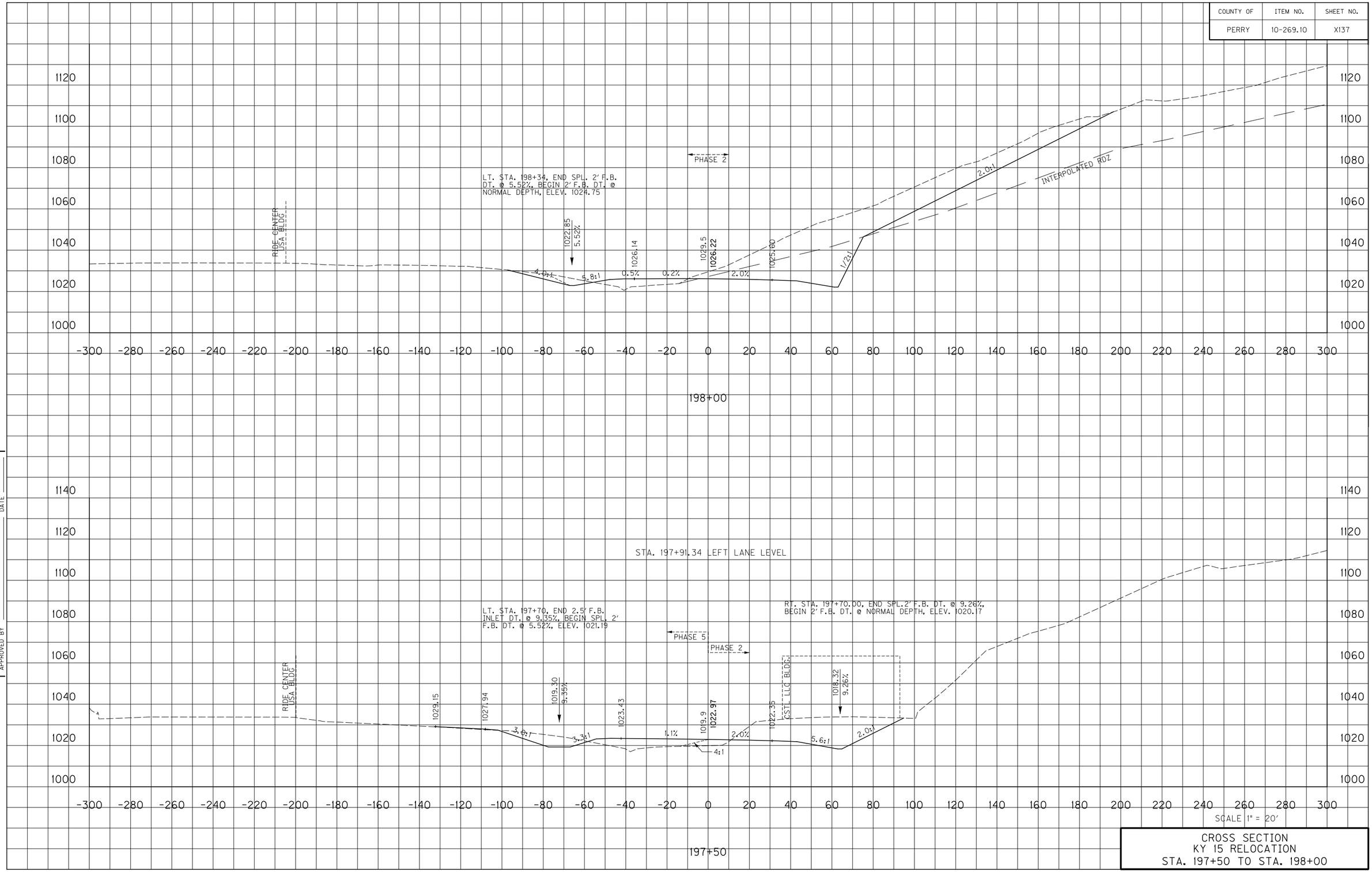


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 196+50 TO STA. 197+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X137



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 197+50 TO STA. 198+00

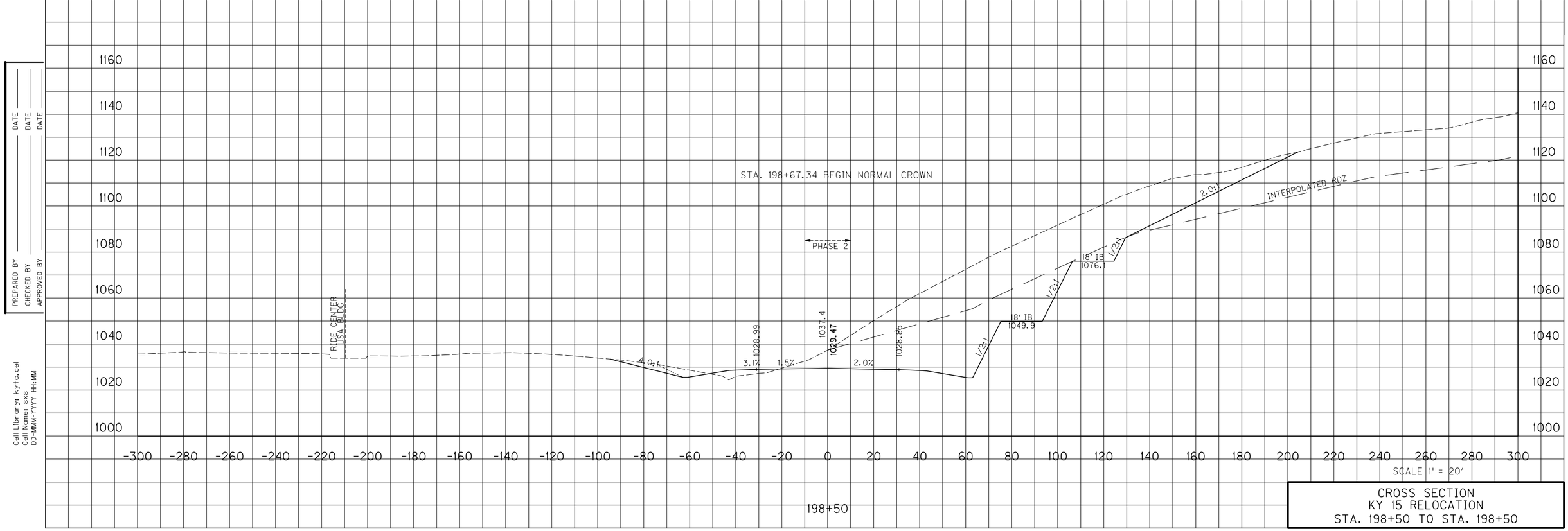
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X138

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



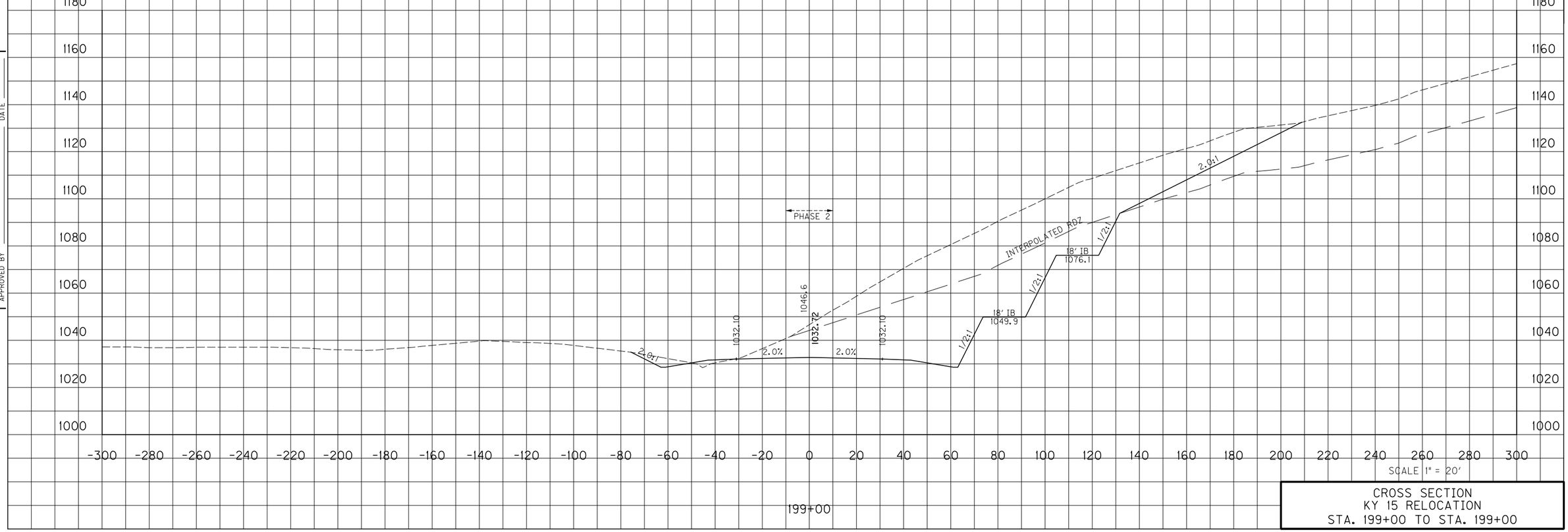
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 198+50 TO STA. 198+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X139

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

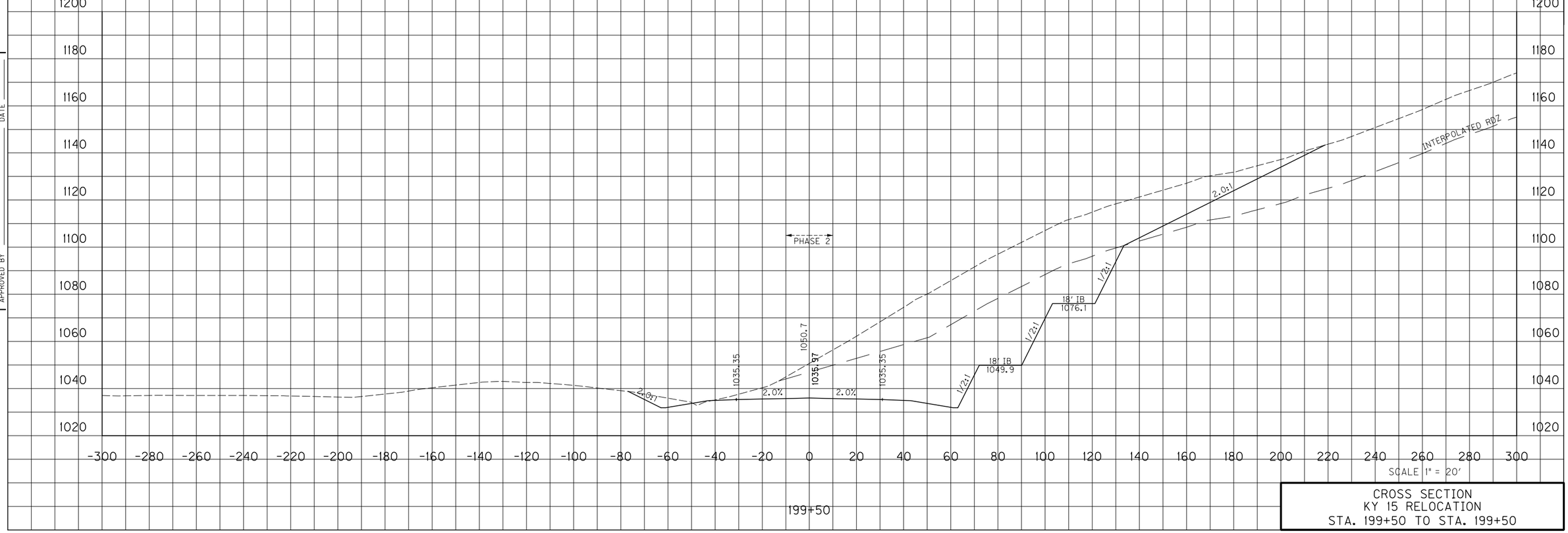


CROSS SECTION
KY 15 RELOCATION
STA. 199+00 TO STA. 199+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X140

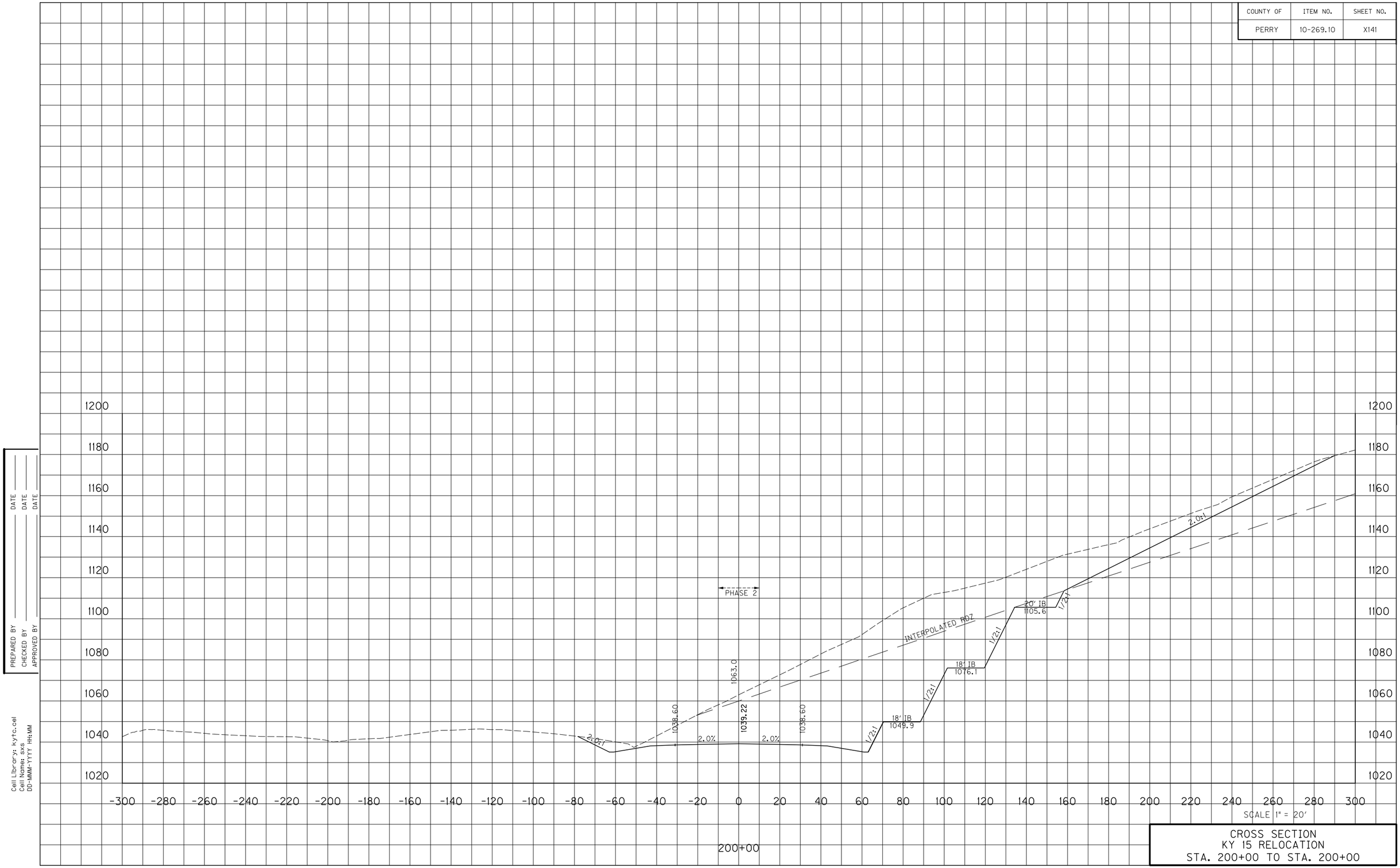
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
KY 15 RELOCATION
STA. 199+50 TO STA. 199+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X141

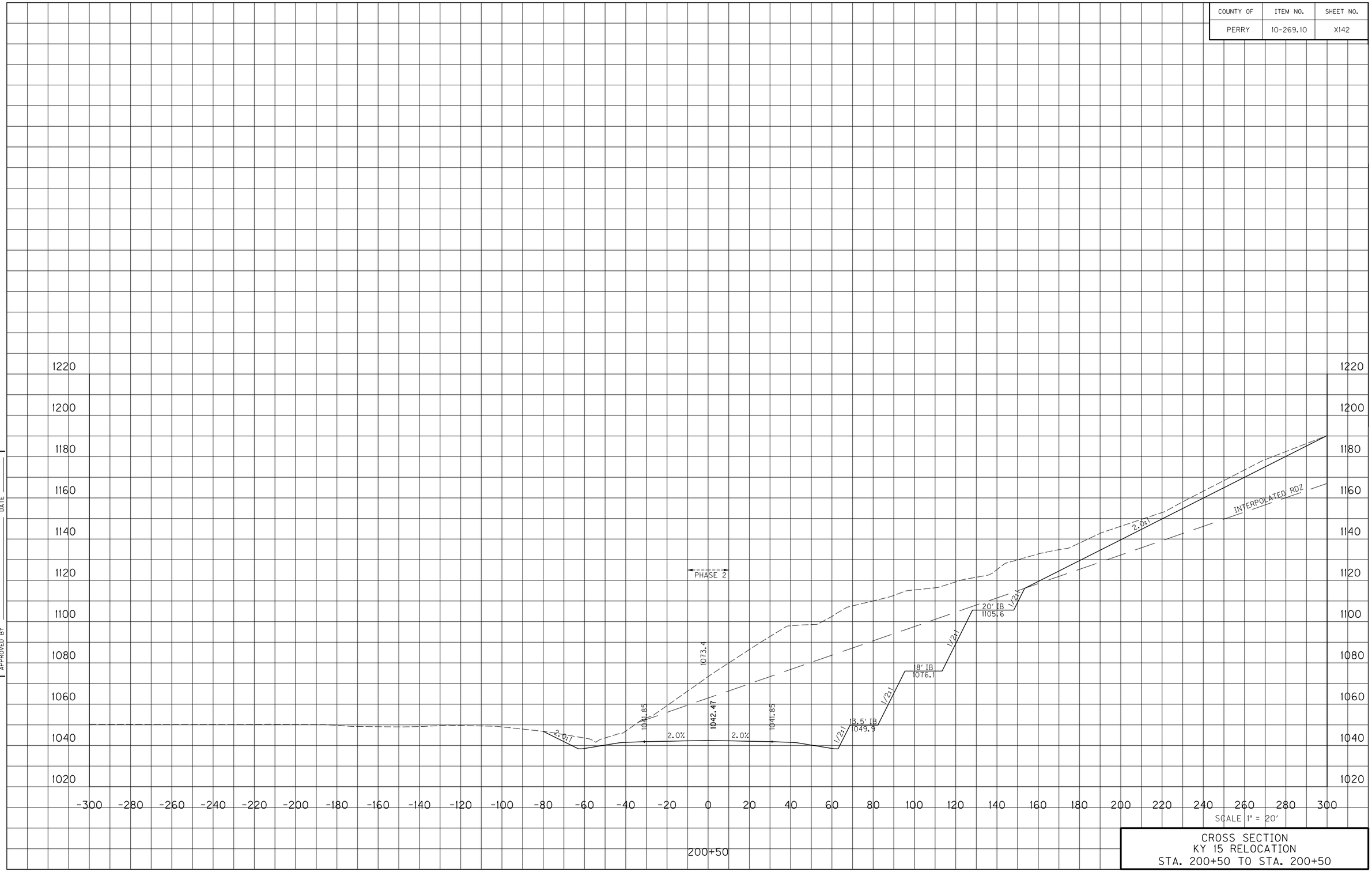


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 200+00 TO STA. 200+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X142



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

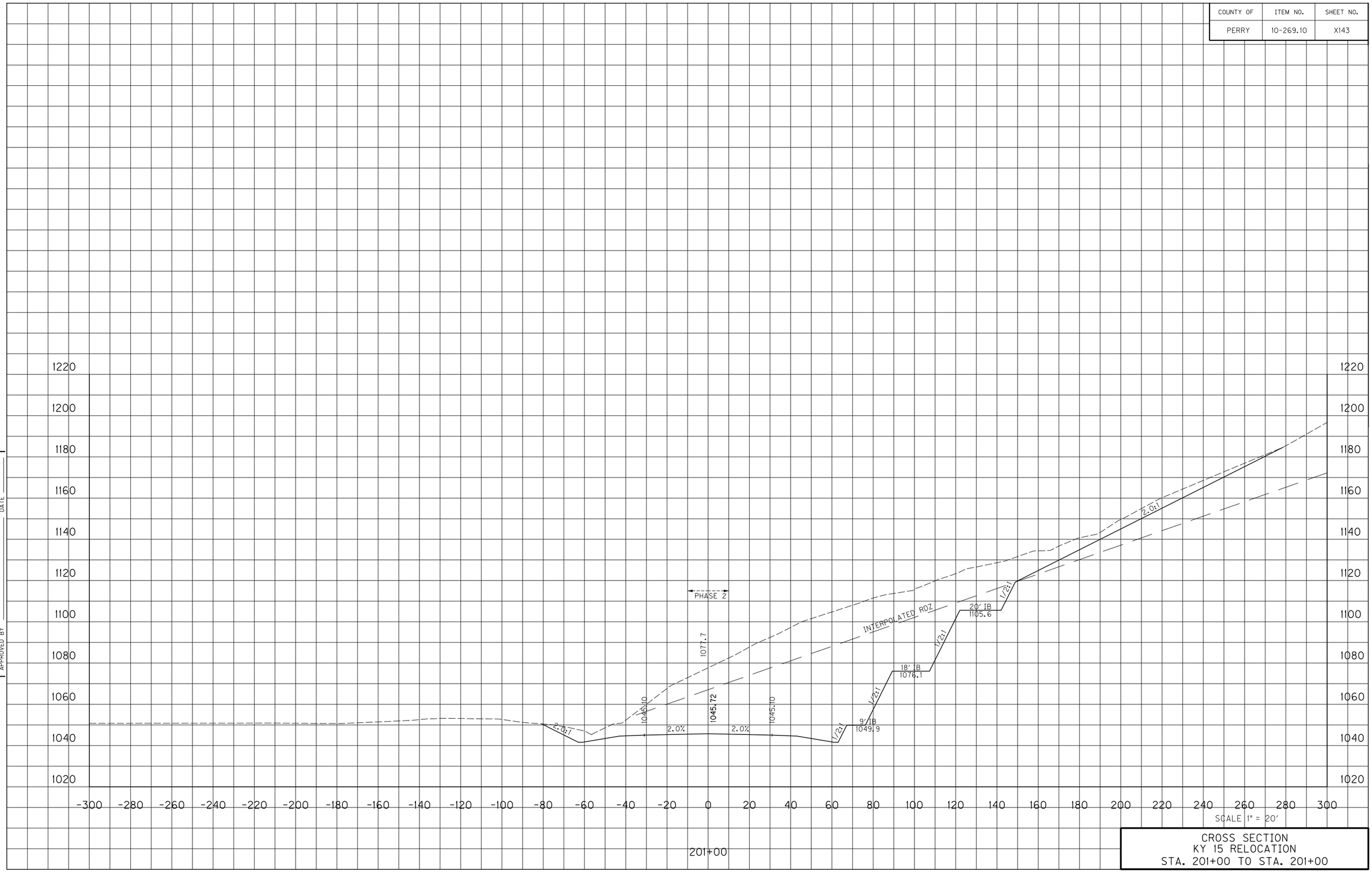
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 200+50 TO STA. 200+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X143

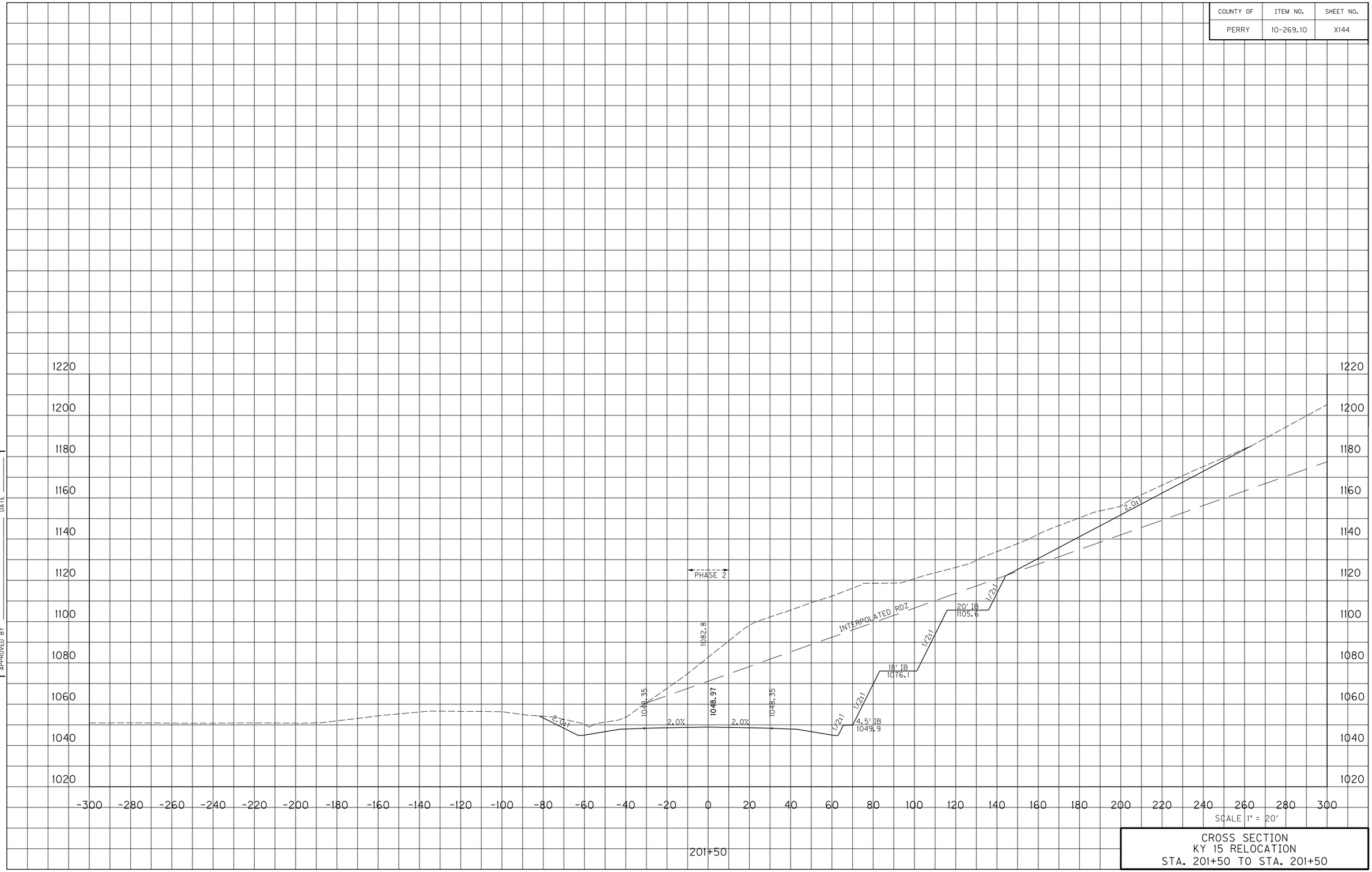
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
KY 15 RELOCATION
STA. 201+00 TO STA. 201+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X144

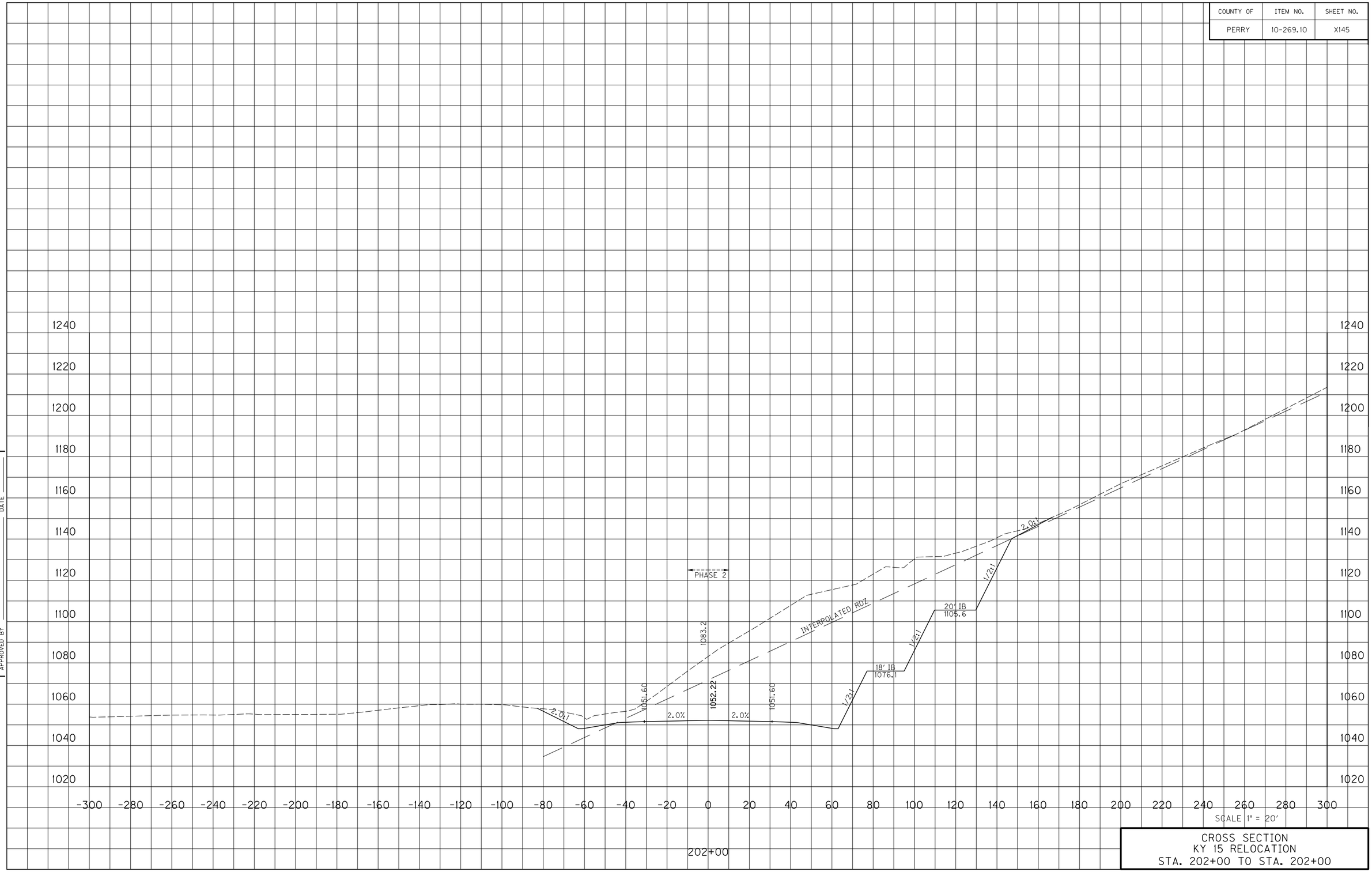


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 201+50 TO STA. 201+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X145

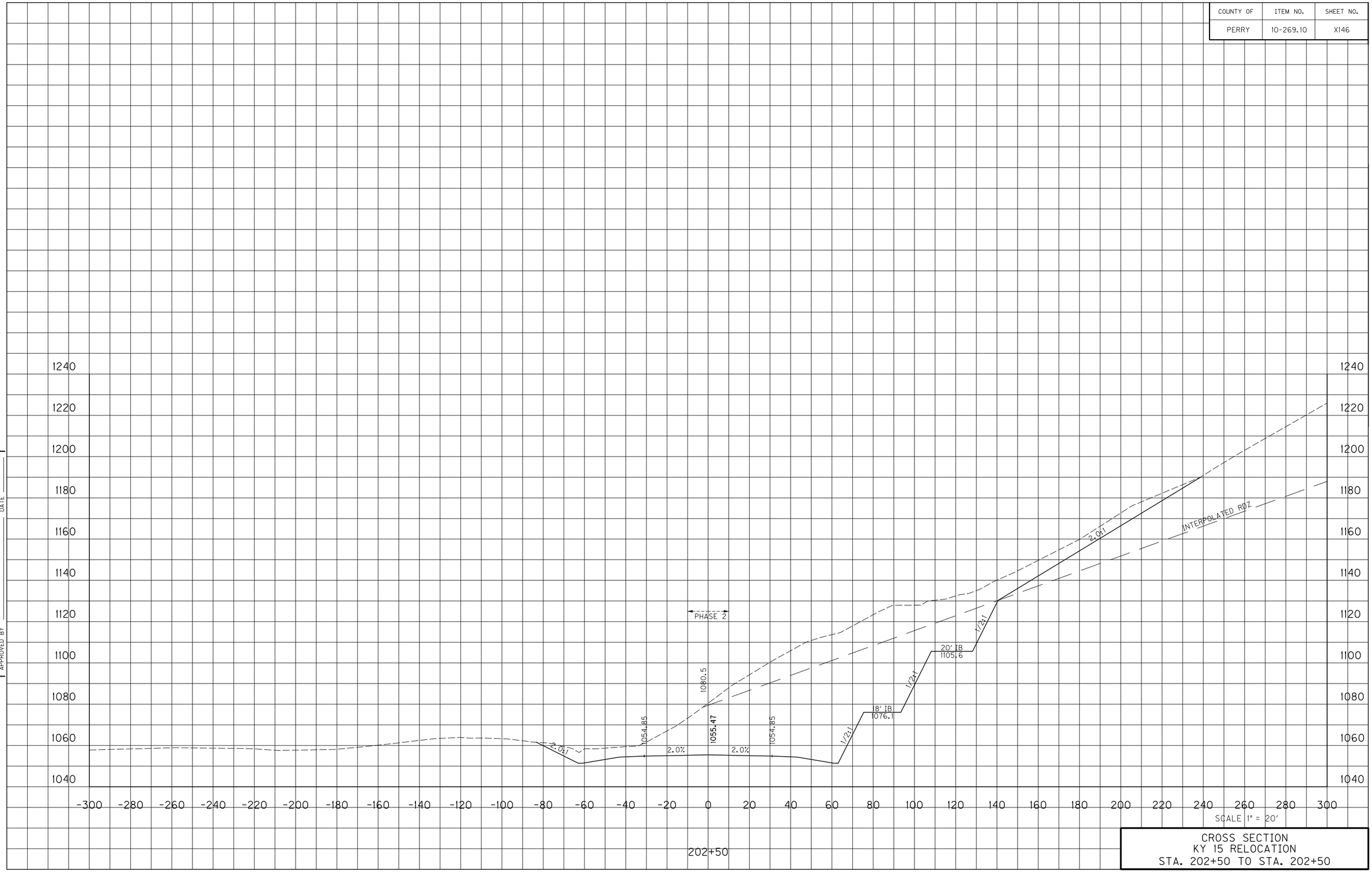


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 202+00 TO STA. 202+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X146

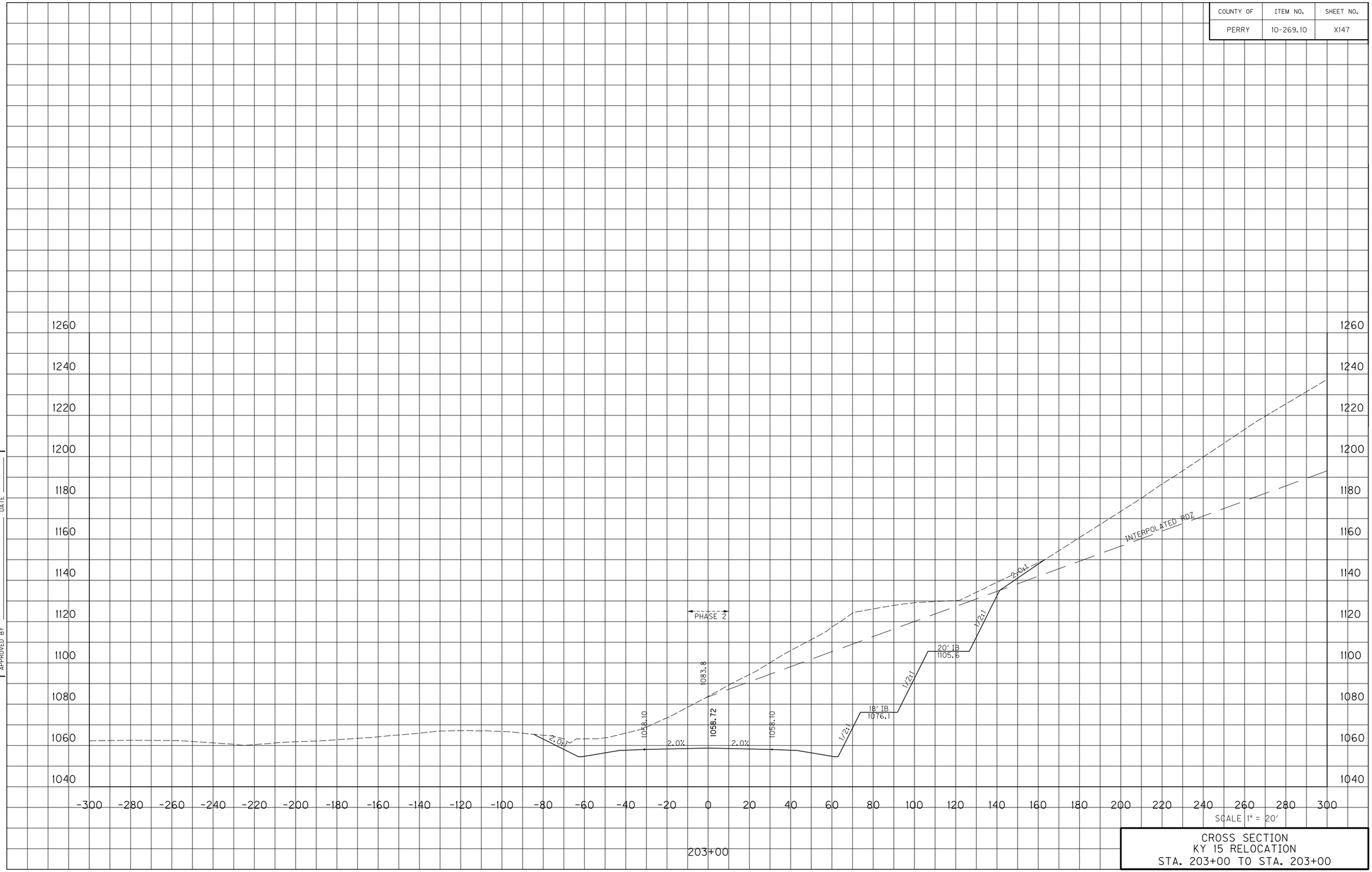


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 202+50 TO STA. 202+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X147



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
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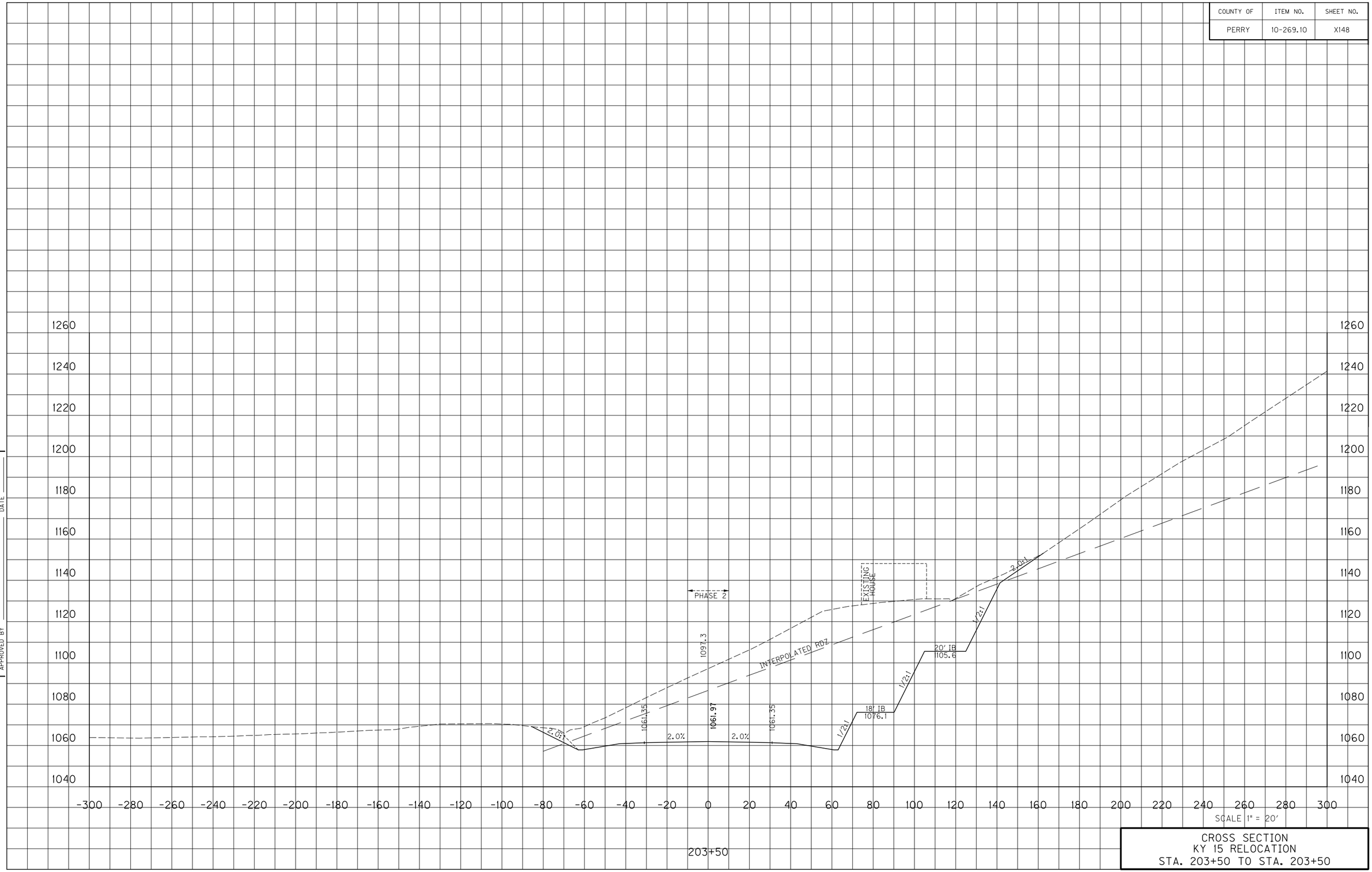
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 203+00 TO STA. 203+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X148



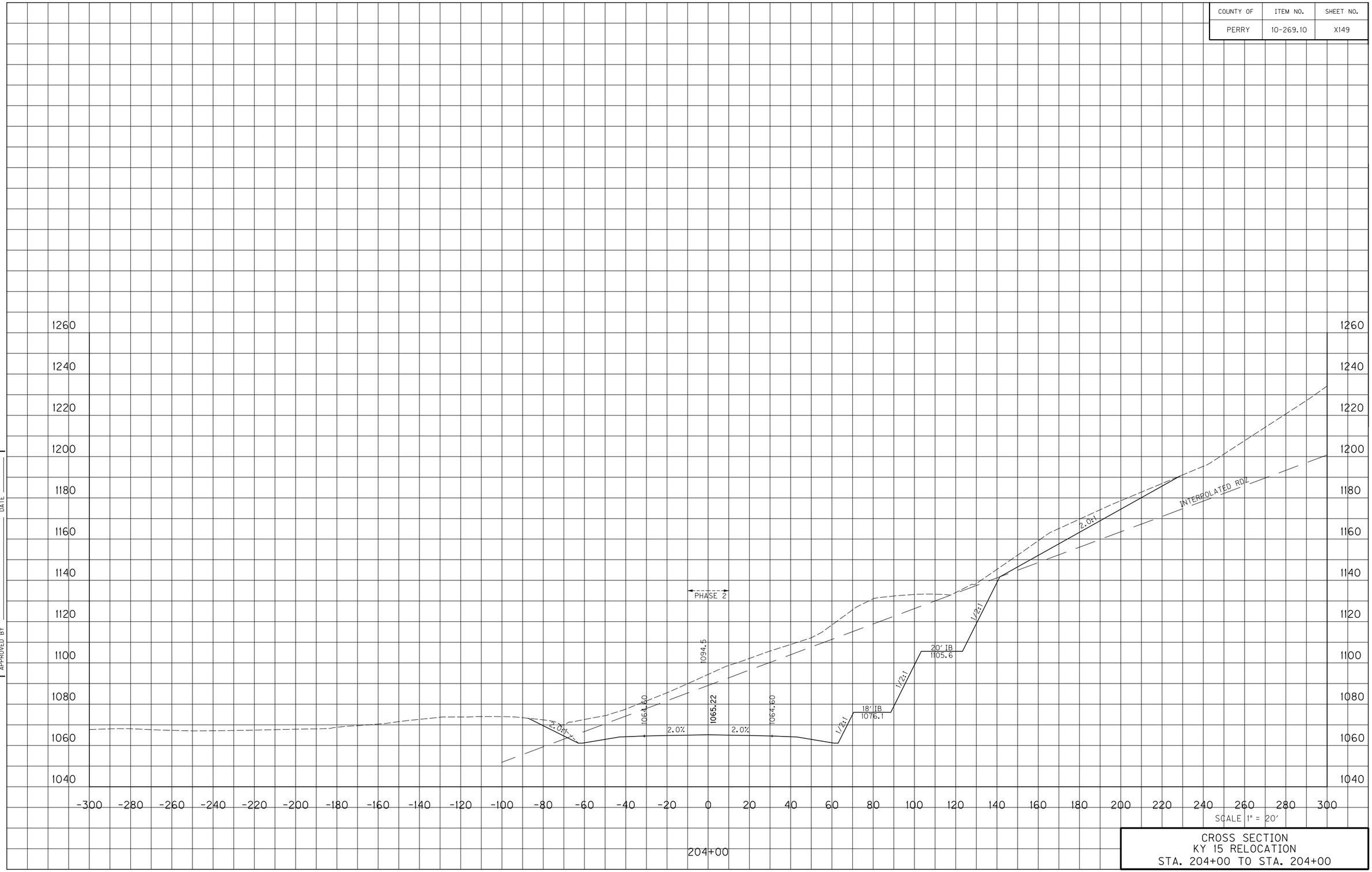
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 203+50 TO STA. 203+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X149



SCALE 1" = 20'

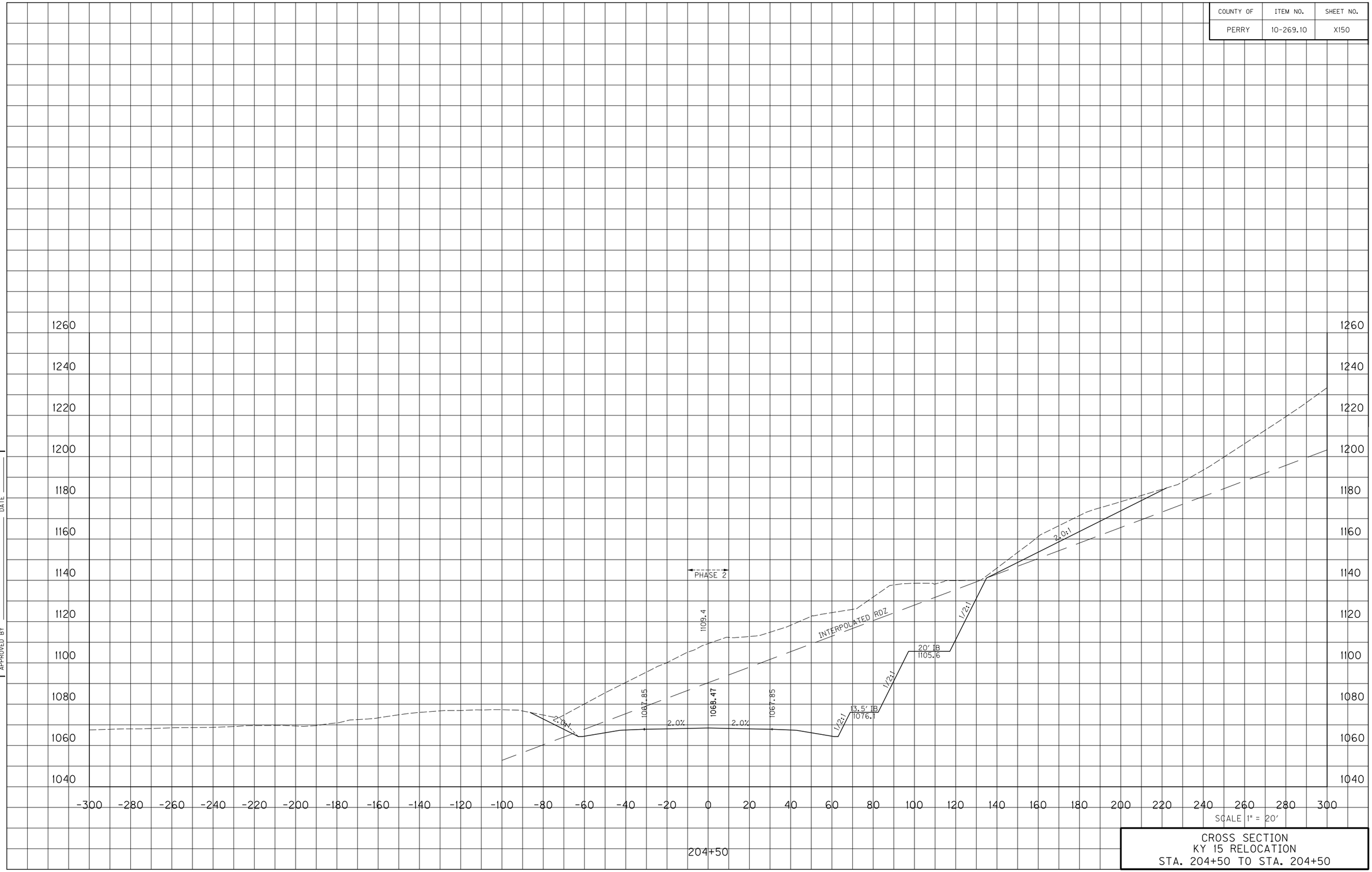
204+00

CROSS SECTION
KY 15 RELOCATION
STA. 204+00 TO STA. 204+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X150



CROSS SECTION
KY 15 RELOCATION
STA. 204+50 TO STA. 204+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X151

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

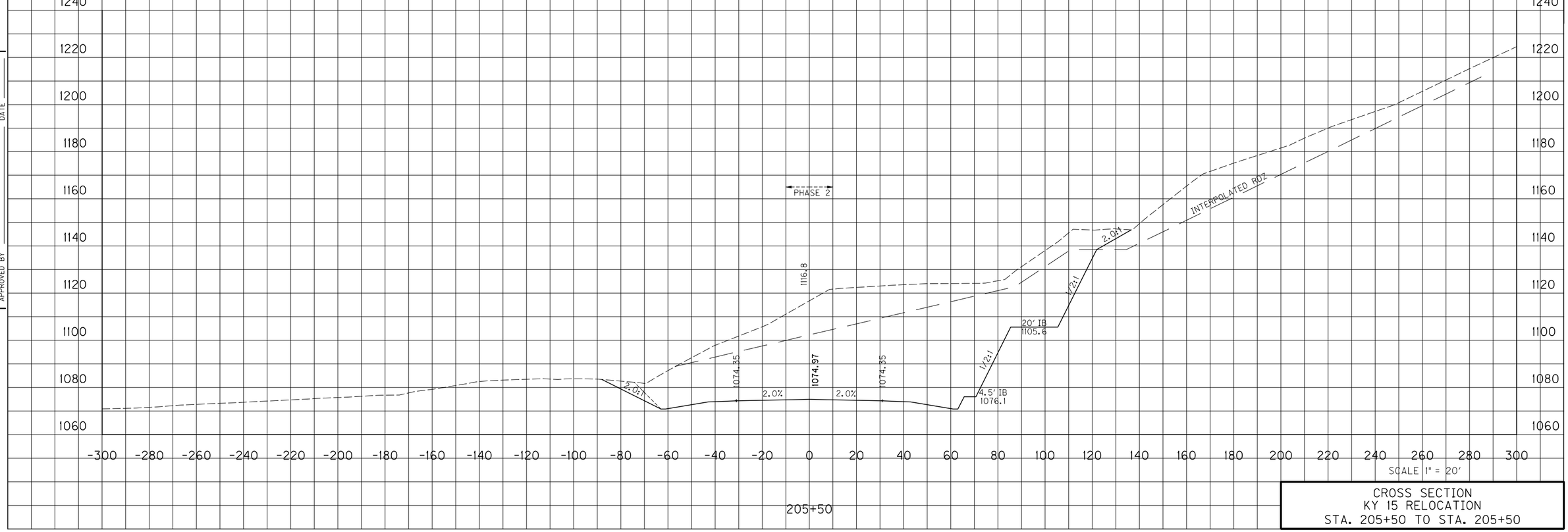
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 205+00 TO STA. 205+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X152

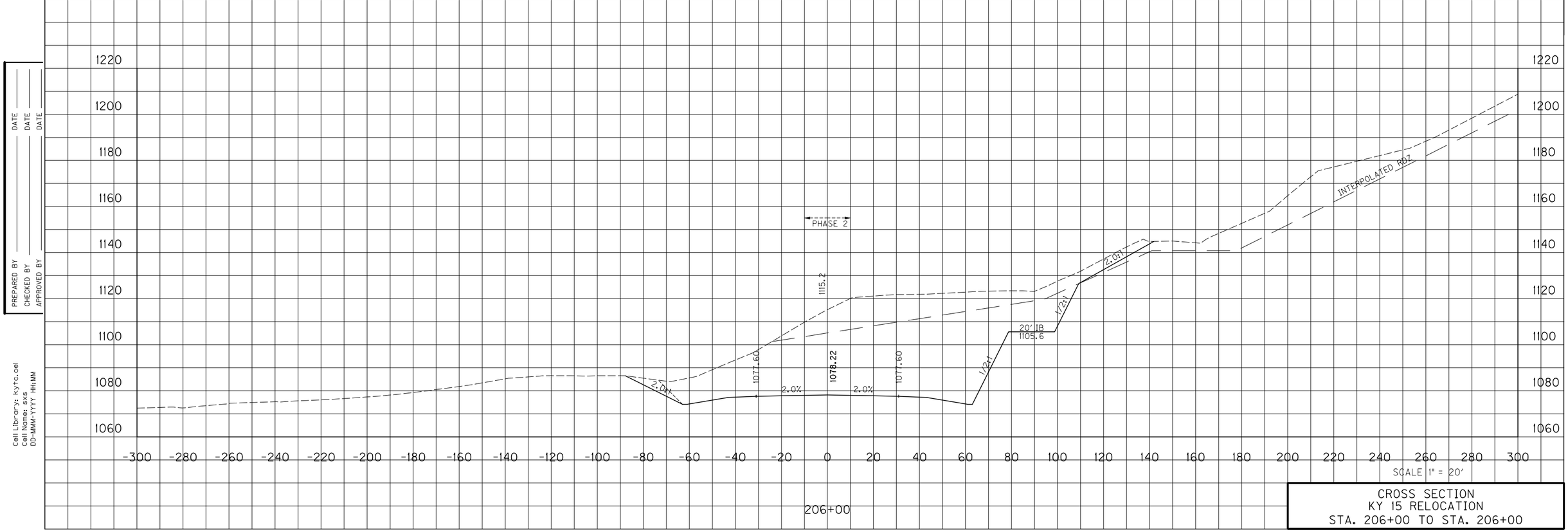
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
KY 15 RELOCATION
STA. 205+50 TO STA. 205+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X153



SCALE 1" = 20'

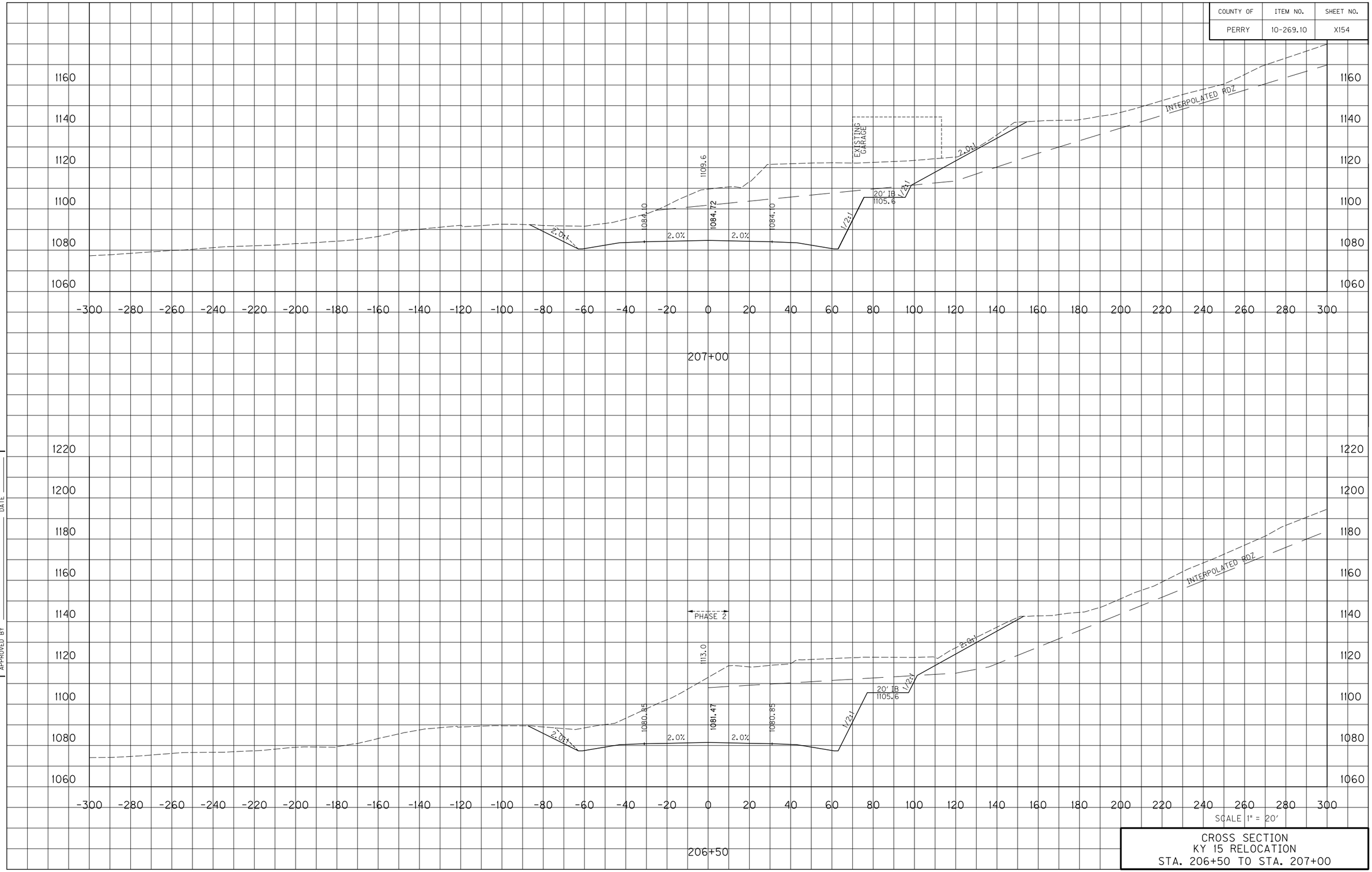
206+00

CROSS SECTION
KY 15 RELOCATION
STA. 206+00 TO STA. 206+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X154



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 206+50 TO STA. 207+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X155

STA. 48+81.03 REVERSE CROWN

PHASE 5

PHASE 2

RT. STA. 208+41.00, BEGIN 2' F.B. DT.
@ NORMAL DEPTH, ELEV. 1143.85

LT. STA. 208+00.00, END 2' F.B. DT.
@ NORMAL DEPTH, BEGIN 2' F.B. OUTLET
DT. @ 10.00%, ELEV. 1087.12

INTERPOLATED RDZ

U.S. POST OFFICE BLDG.

℄ L.A.R. "B"
102.56' LT. ELEV. 1096.79

1096.95
1096.55
1090.60
1109.1
1091.22
1090.60
20' IB
1105.6

1.3%
2.0%
2.7:1
2.0%
2.0%
1/2:1
1/2:1
1/2:1
2.0%

1180
1160
1140
1120
1100
1080
1060

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

208+00

1200
1180
1160
1140
1120
1100
1080
1060

STA. 48+46.38 LEFT LANE LEVEL

PHASE 5

PHASE 2

℄ L.A.R. "B"
105.27' LT. ELEV. 1095.20

1095.00
1094.99
1087.35
1105.3
1087.97
1087.35
20' IB
1105.6

1.7%
1.8%
2.6:1
1:1
2.0%
2.0%
1/2:1
1/2:1
2.0%

INTERPOLATED RDZ

STA. 48+15.20 RIGHT LANE END TRANSITION FROM EXISTING
BEGIN NORMAL CROWN
STA. 48+10.00 BEGIN CONSTRUCTION - TIE TO EXISTING
BEGIN SUPERELEVATION TRANSITION

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

SCALE 1" = 20'

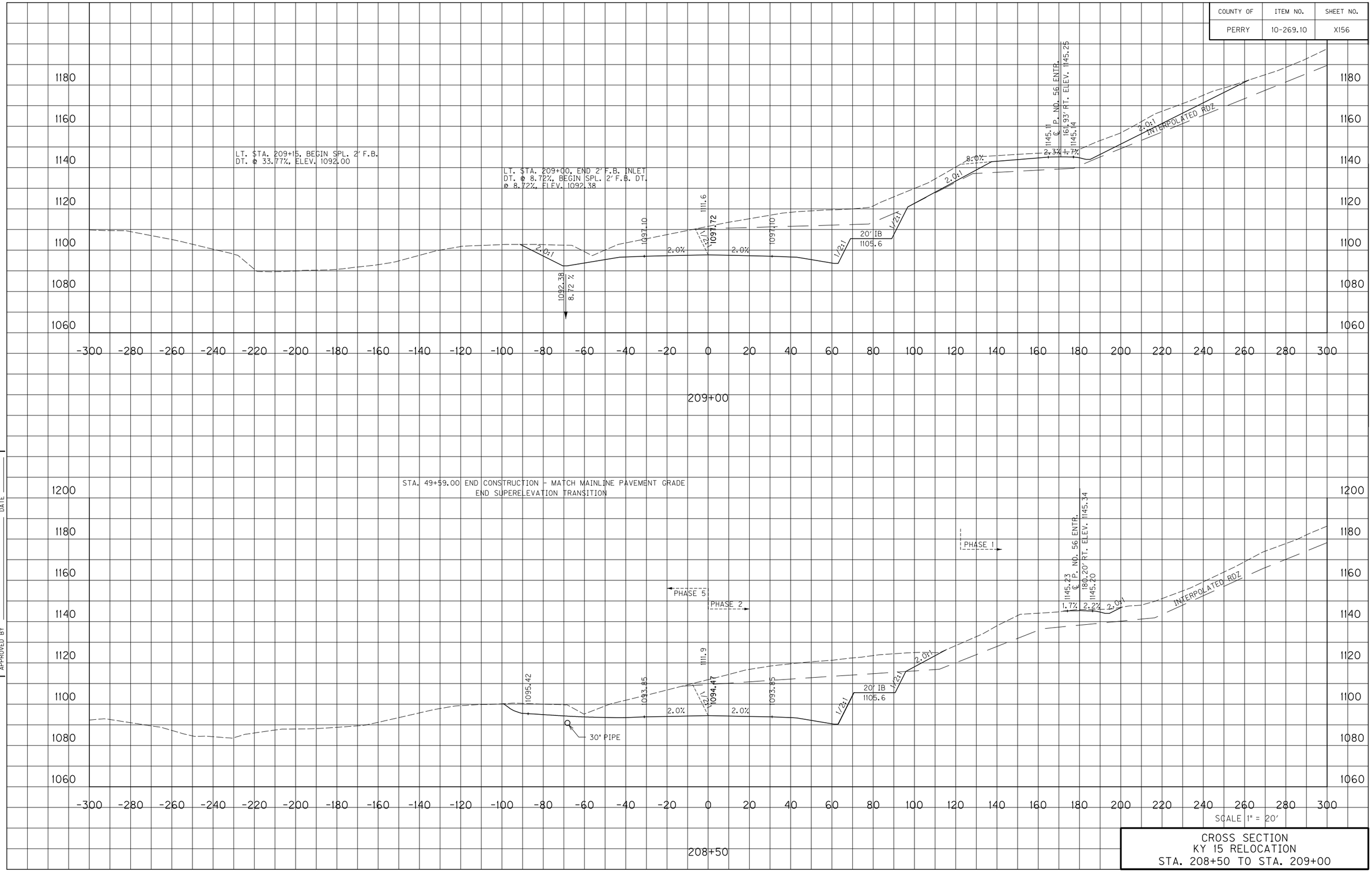
207+50

CROSS SECTION
KY 15 RELOCATION
STA. 207+50 TO STA. 208+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X156



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 208+50 TO STA. 209+00

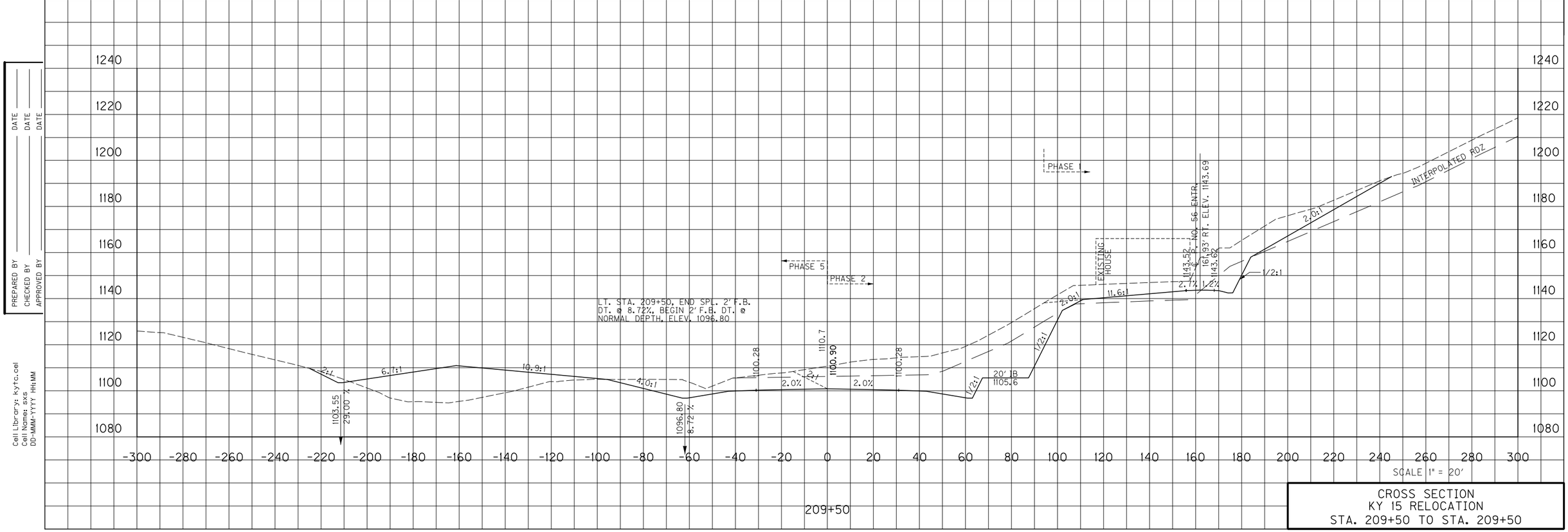
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X157

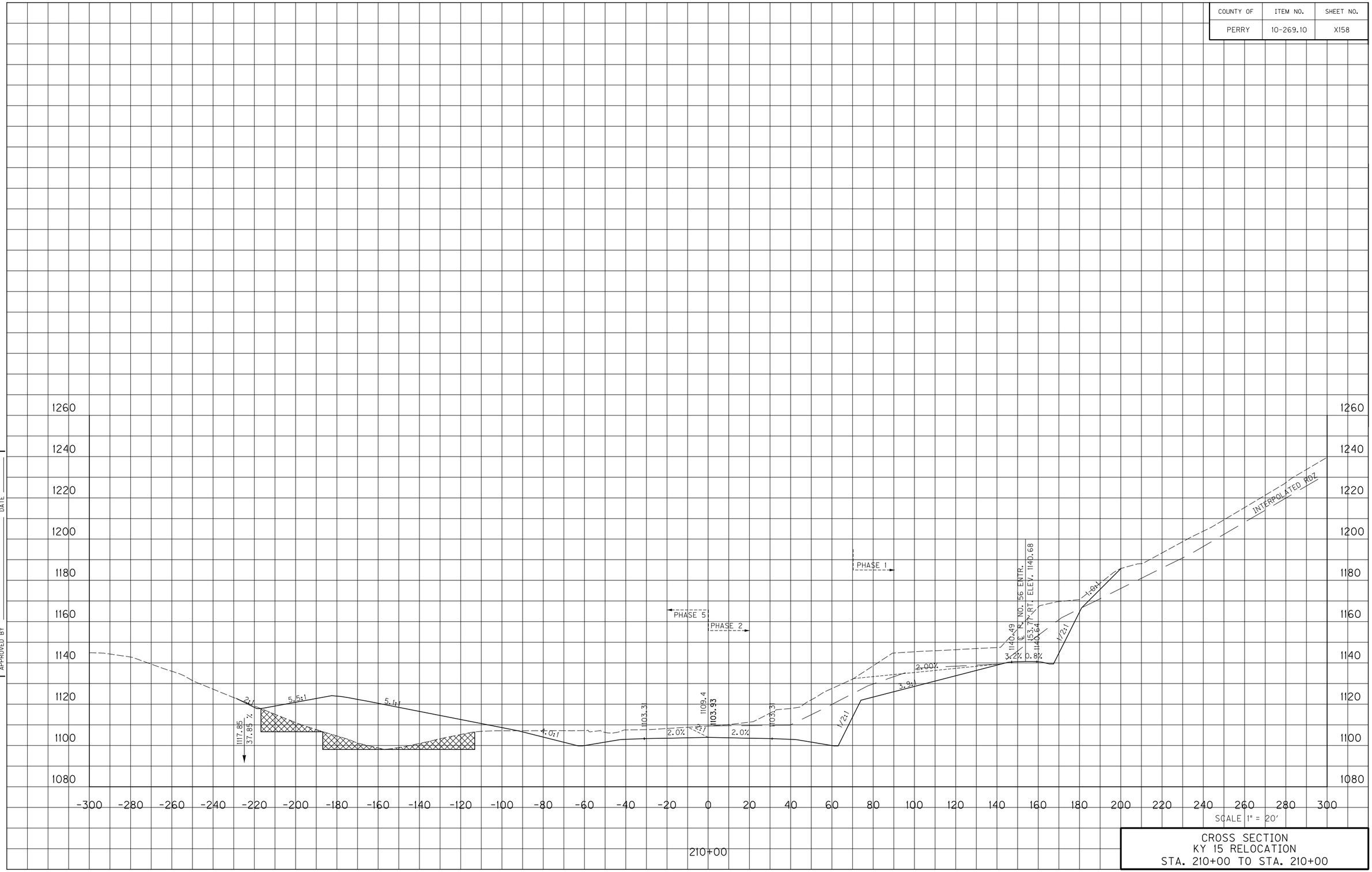
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
KY 15 RELOCATION
STA. 209+50 TO STA. 209+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X158



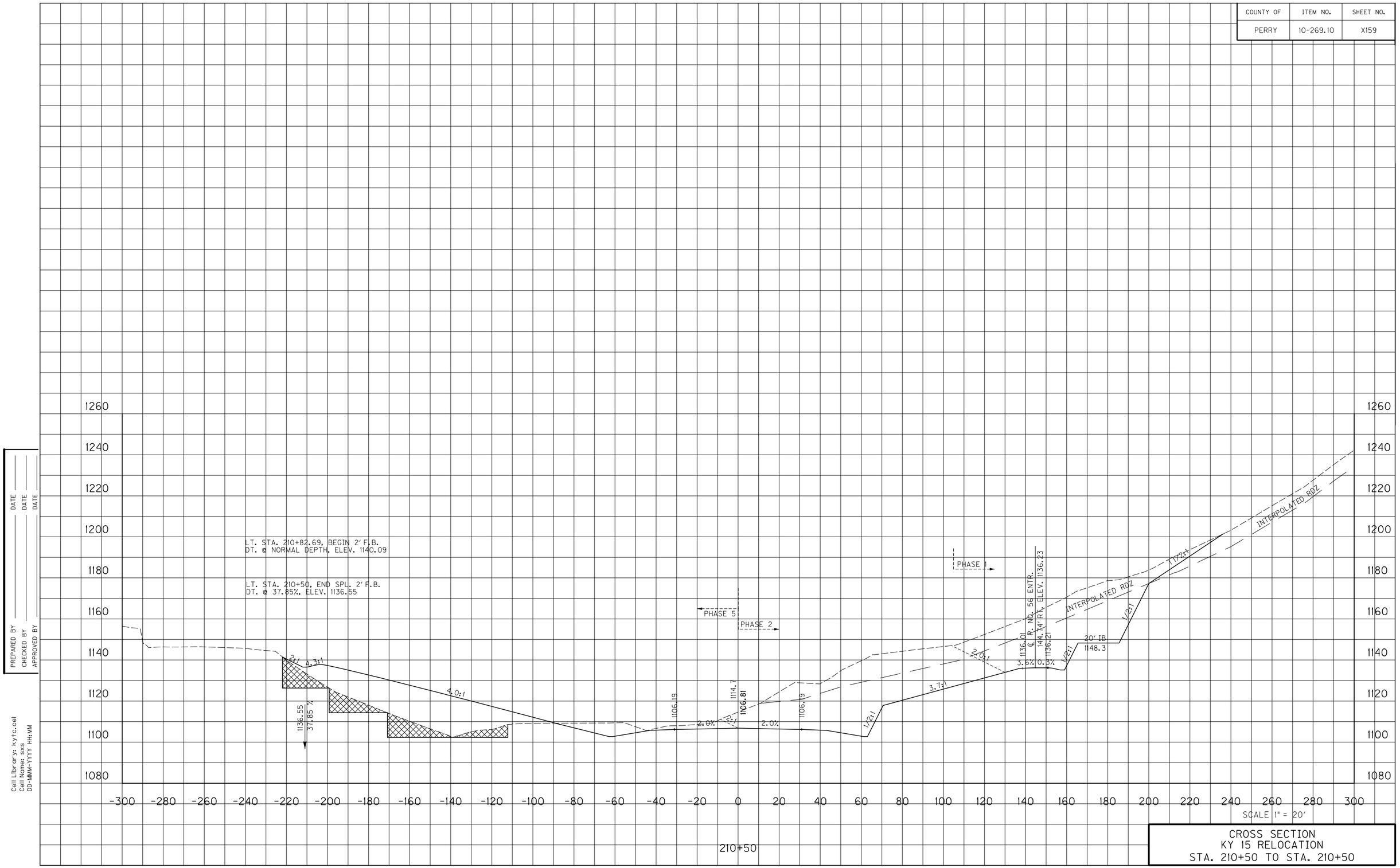
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 210+00 TO STA. 210+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X159



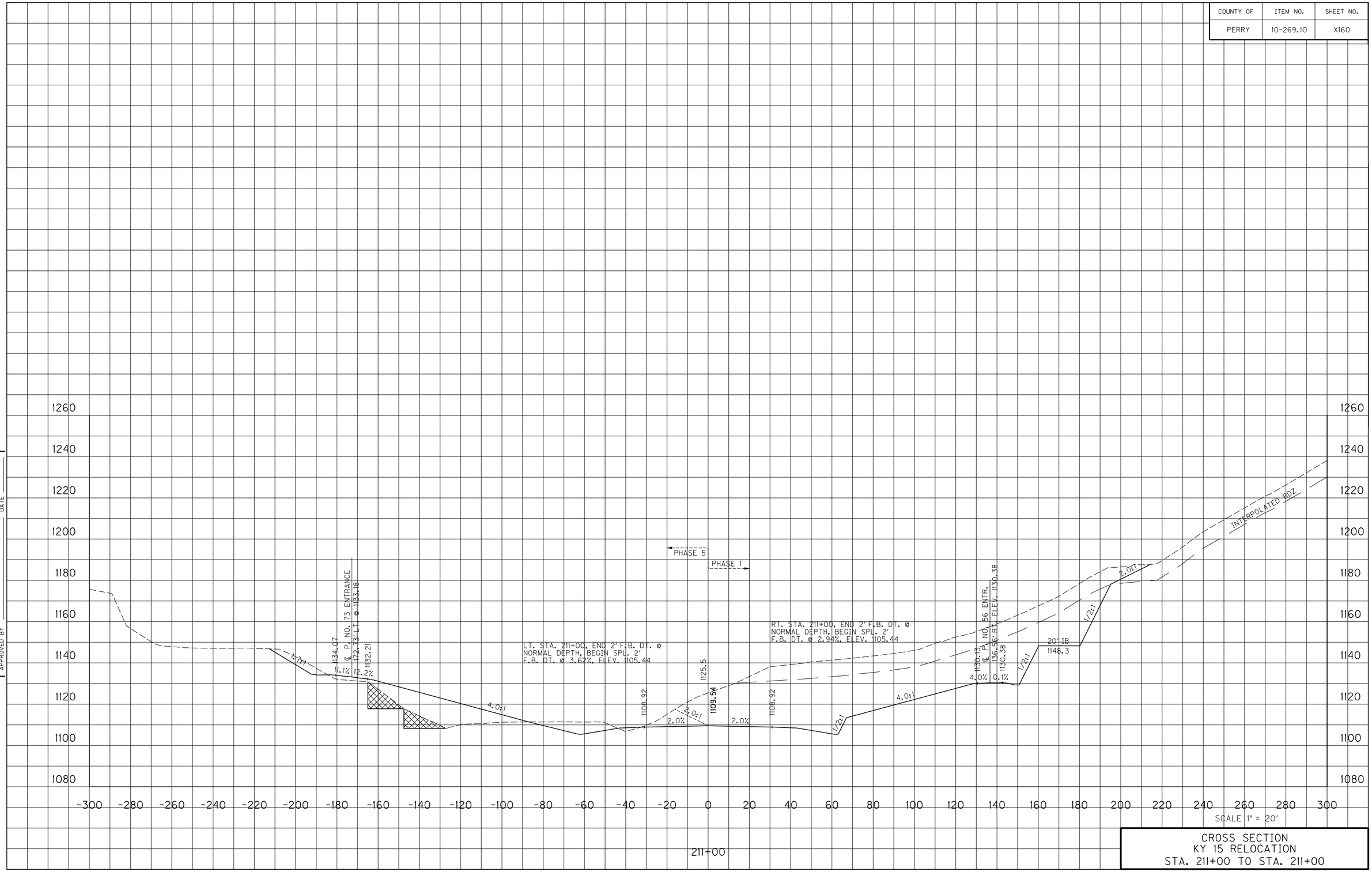
DATE
DATE
DATE

PREPARED BY
CHECKED BY
APPROVED BY

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 210+50 TO STA. 210+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X160



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

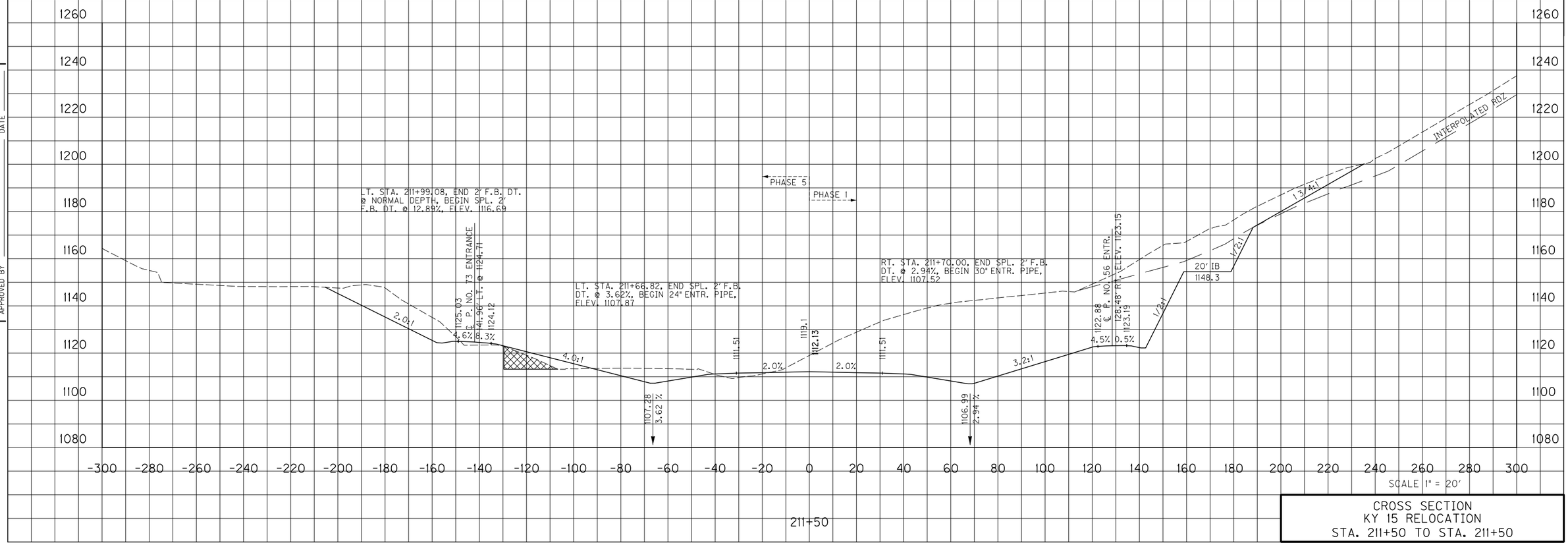
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 211+00 TO STA. 211+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X161

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



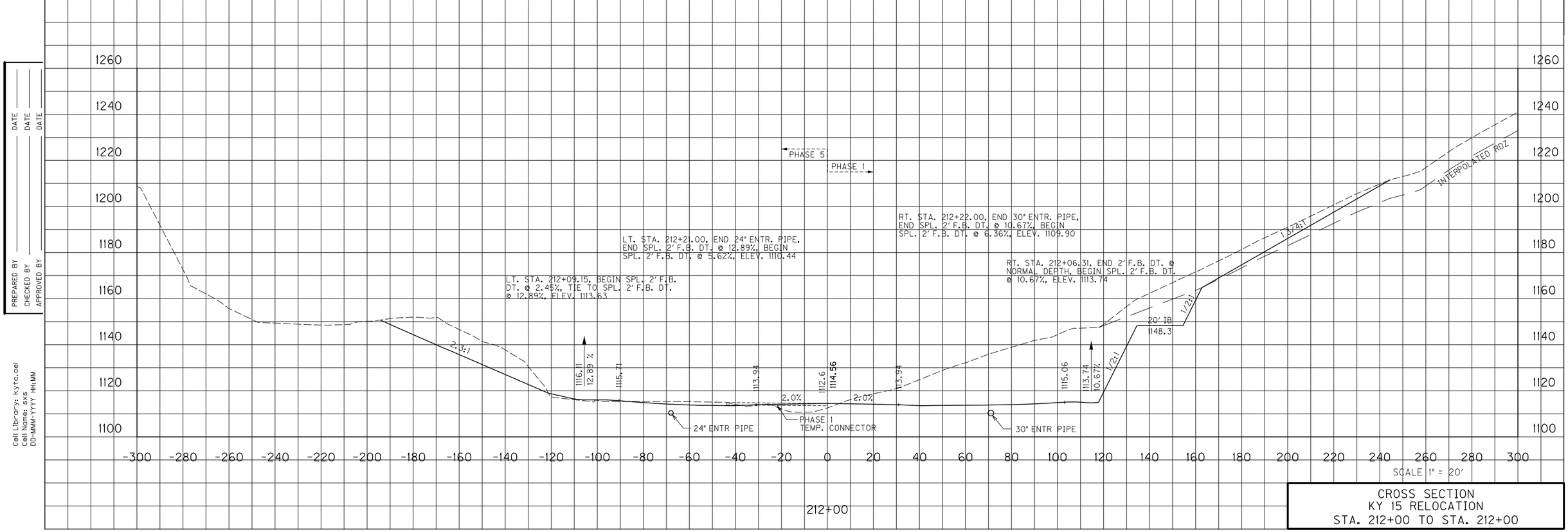
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 211+50 TO STA. 211+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X162

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

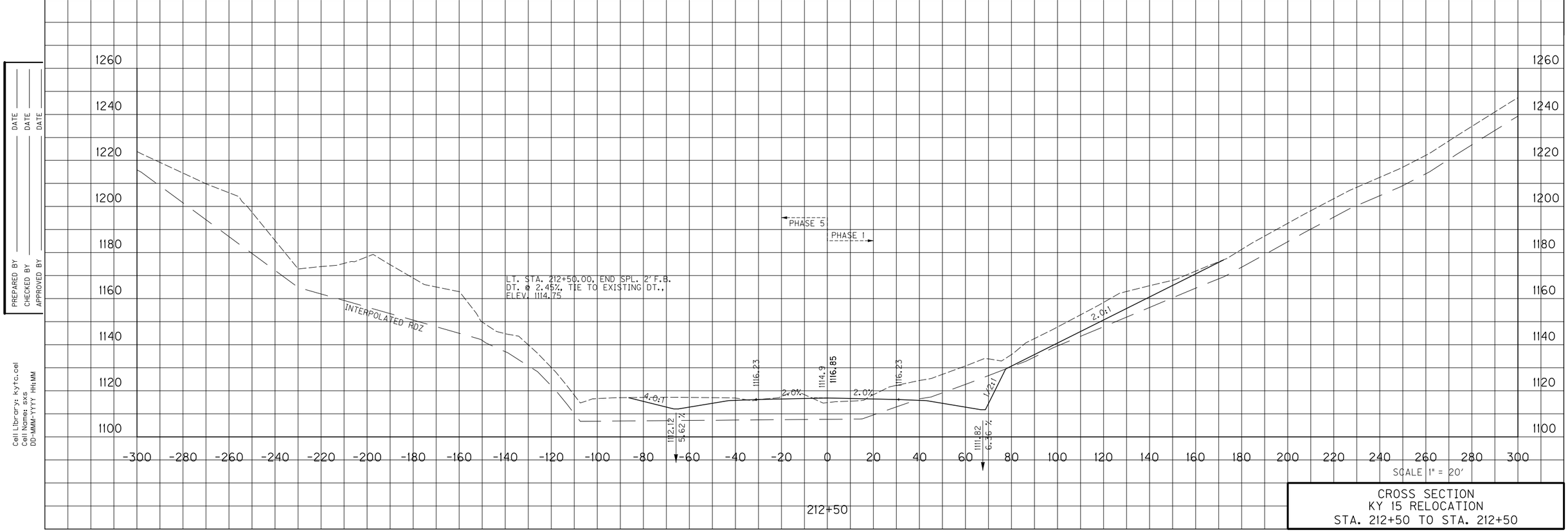
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 212+00 TO STA. 212+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X163

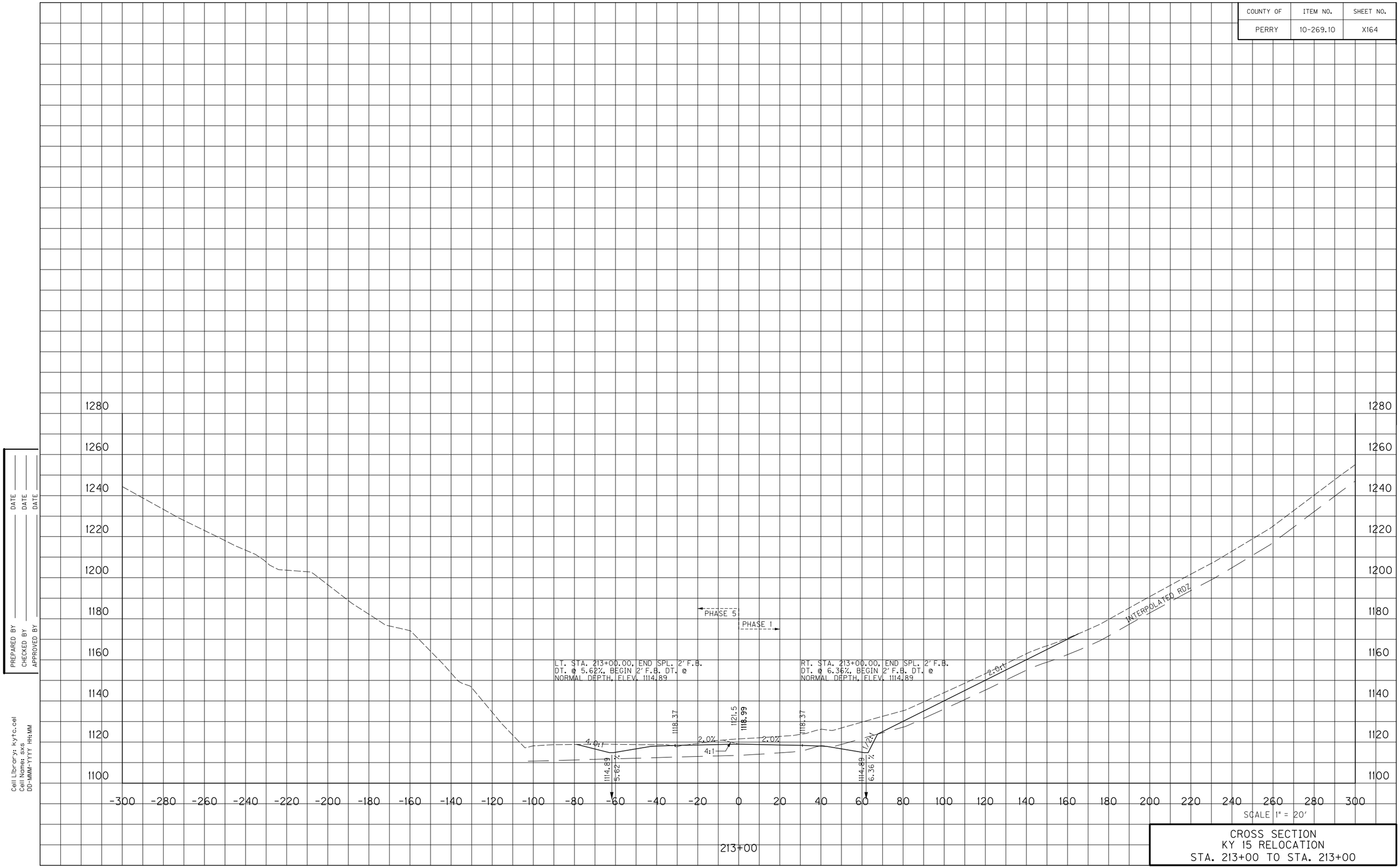


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 212+50 TO STA. 212+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X164



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

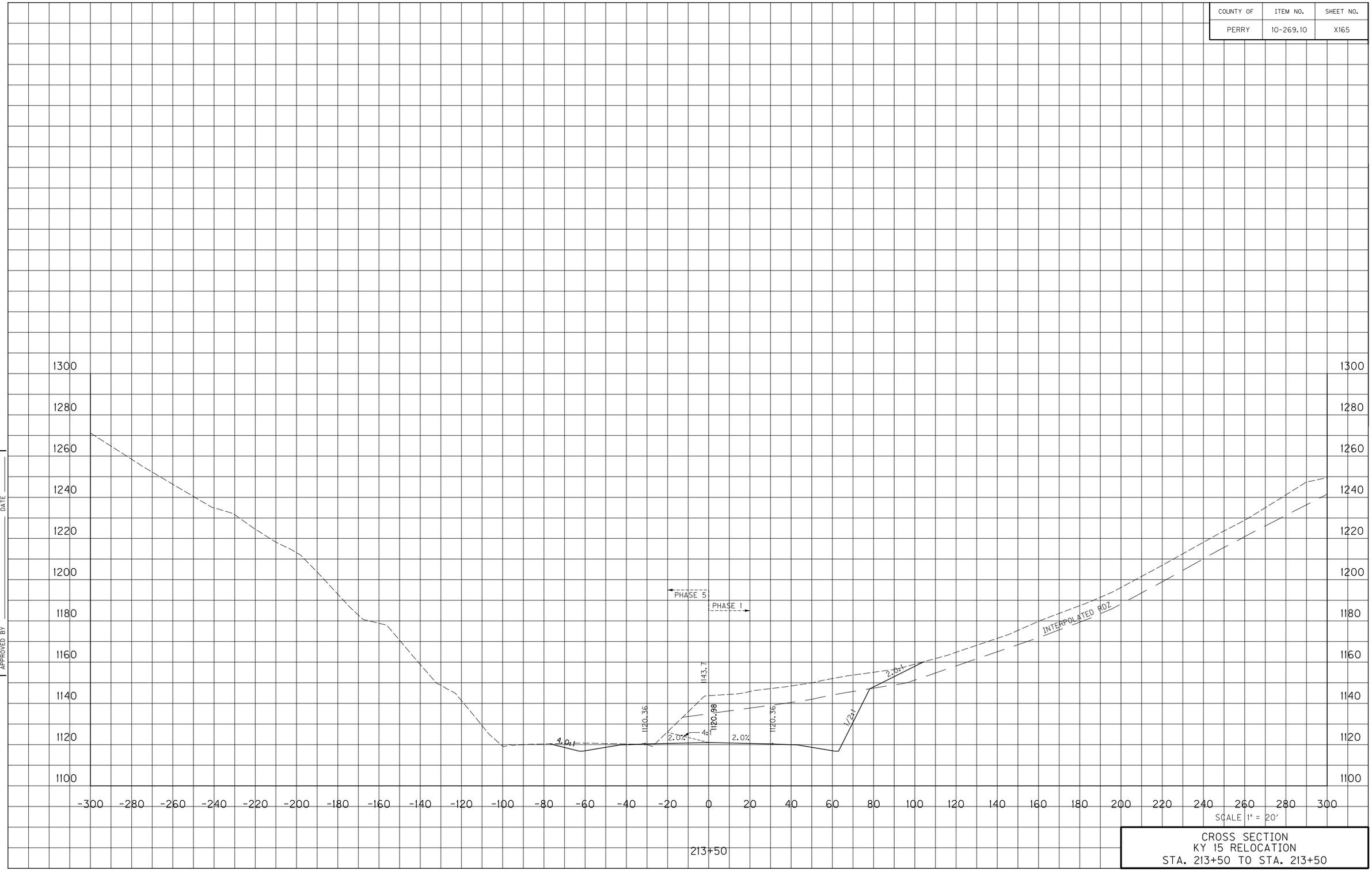
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 213+00 TO STA. 213+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X165

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

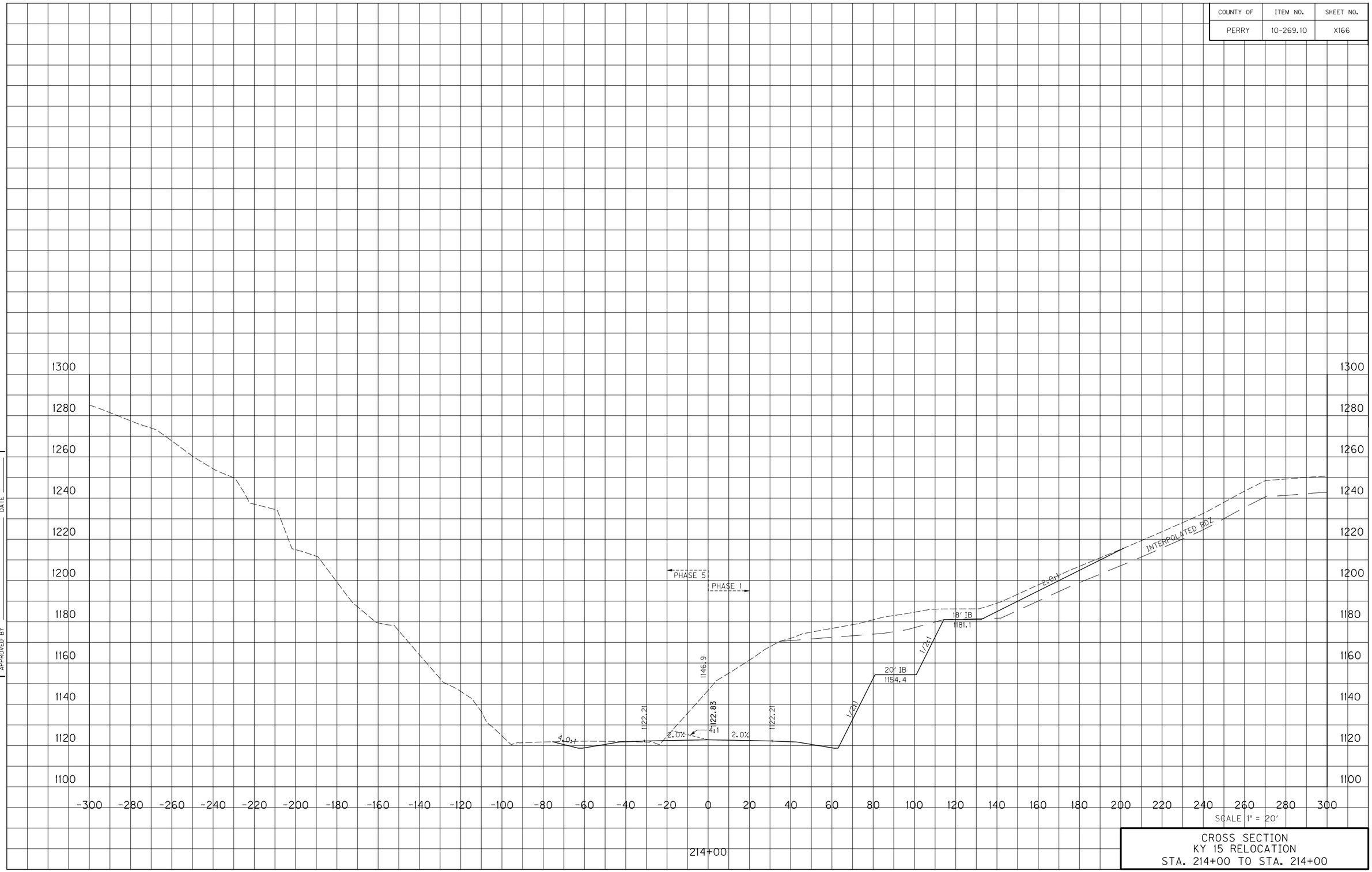
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 213+50 TO STA. 213+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X166

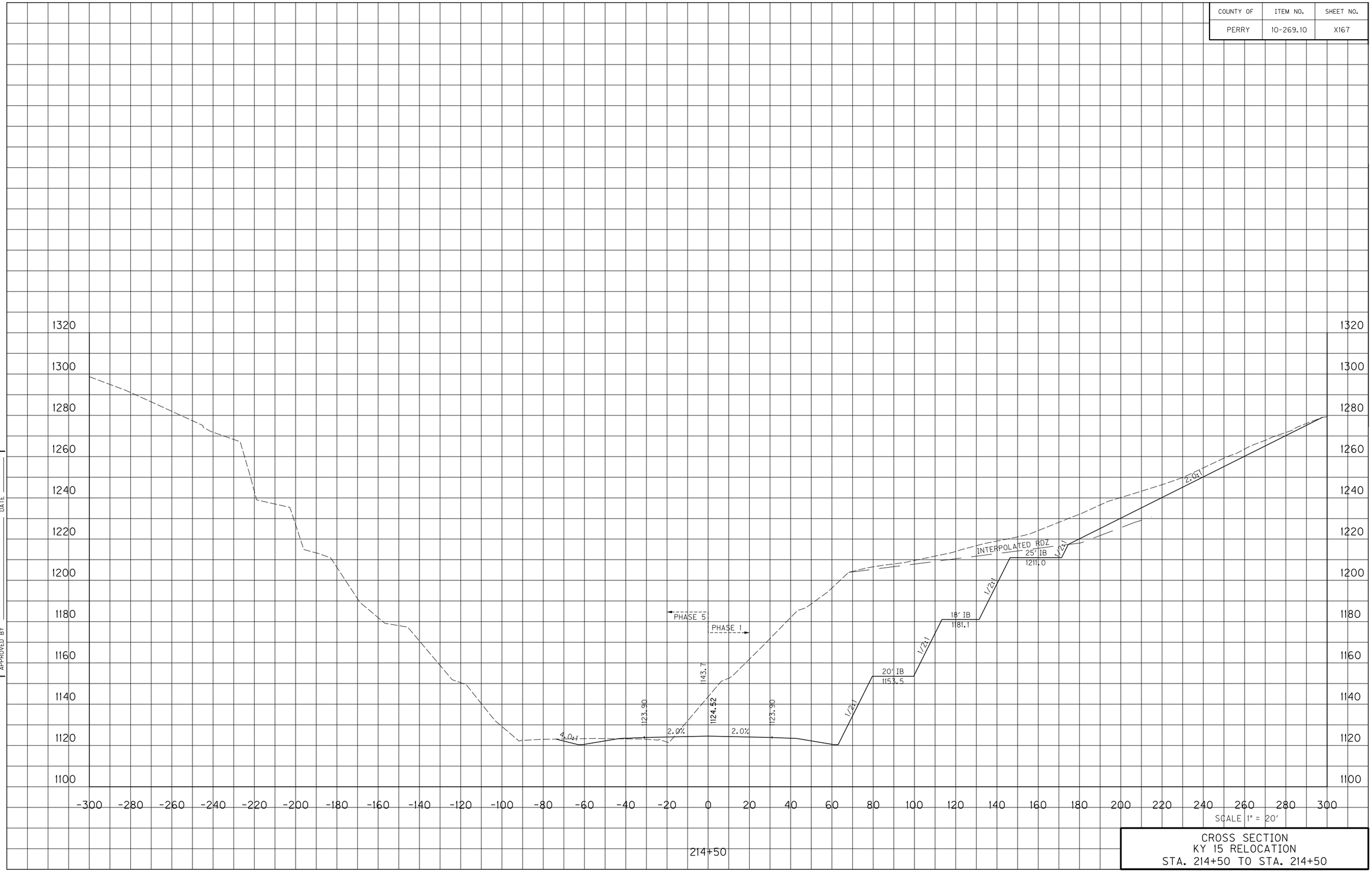


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 214+00 TO STA. 214+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X167



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 214+50 TO STA. 214+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X168

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 215+00 TO STA. 215+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X169

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 215+50 TO STA. 215+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X170

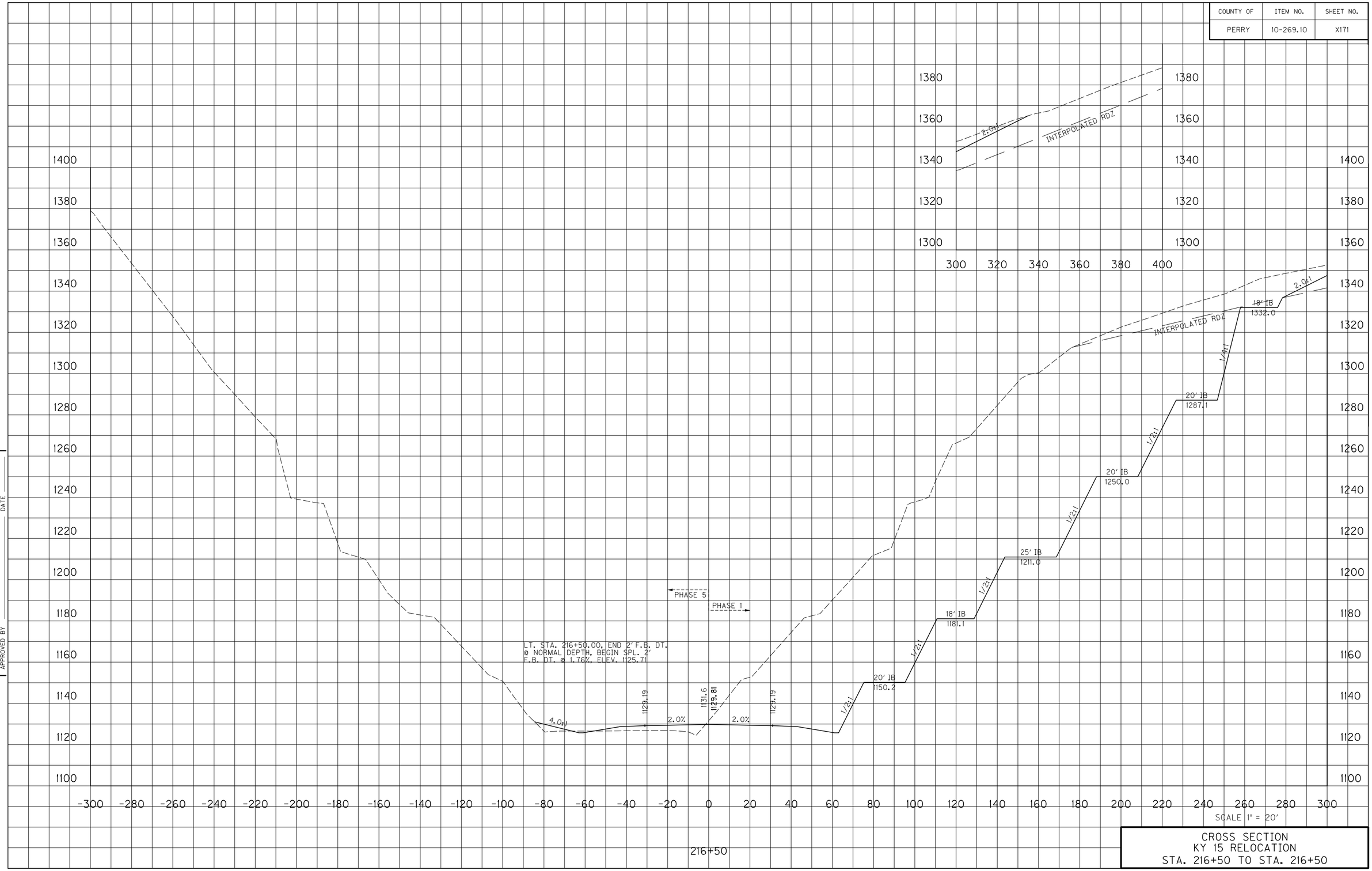
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 216+00 TO STA. 216+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X171

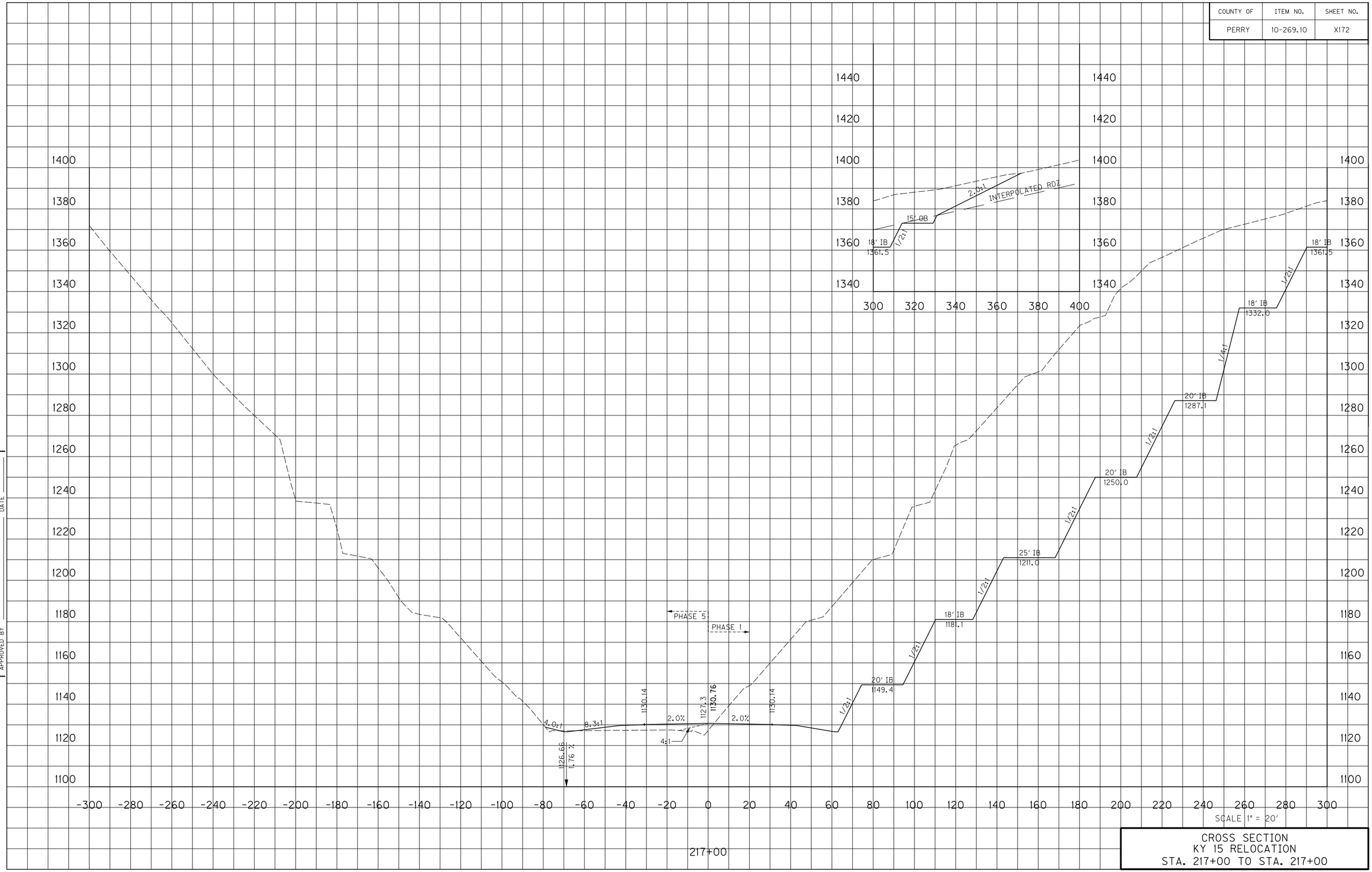


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 216+50 TO STA. 216+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	XI72

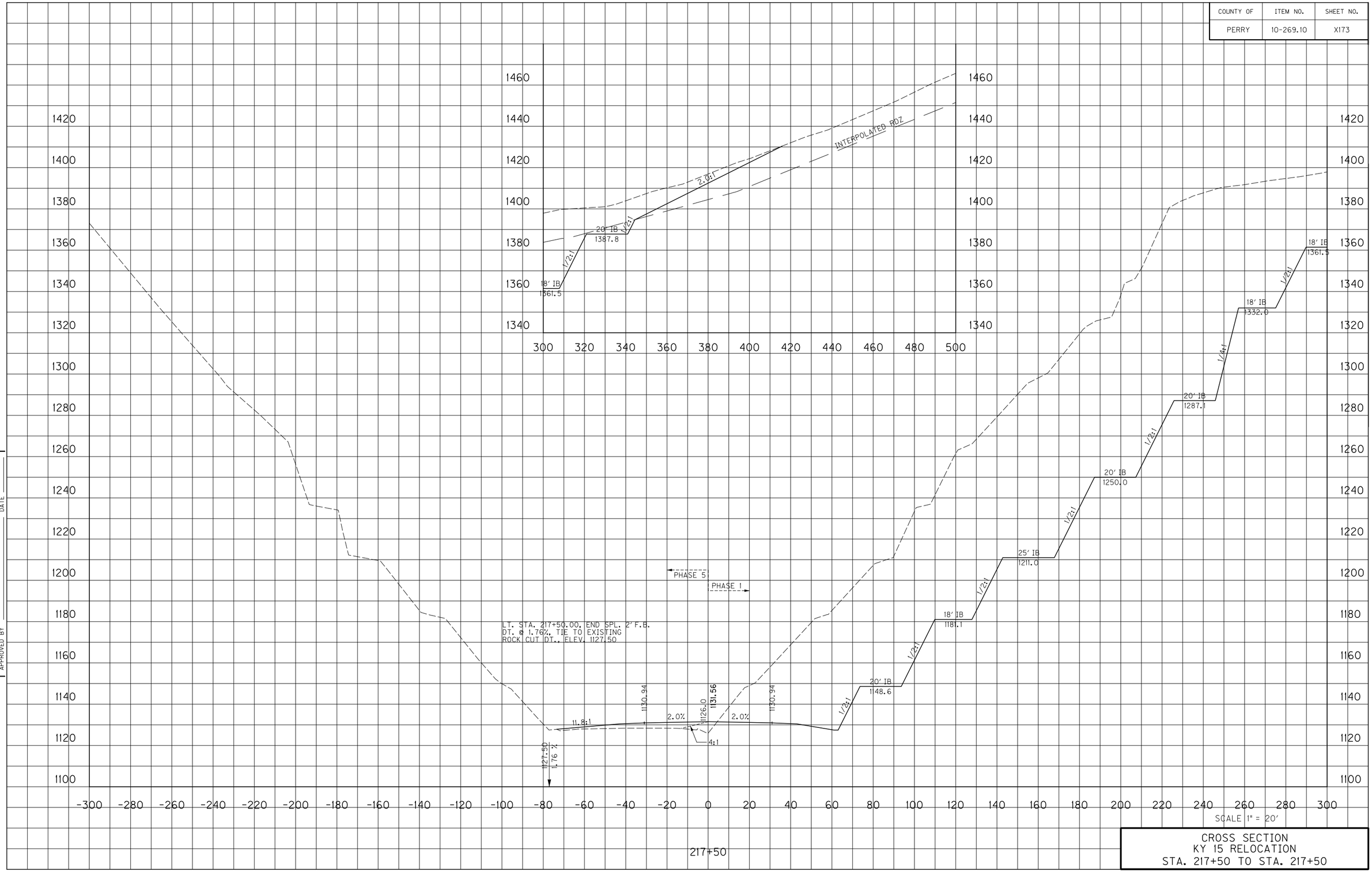


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 217+00 TO STA. 217+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	XI73



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 217+50 TO STA. 217+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X174

INTERPOLATED RDZ
2.0:1
1/2:1
15' OB
20' IB
1387.8
18' IB
1361.5
1/2:1
1/2:1
1/2:1

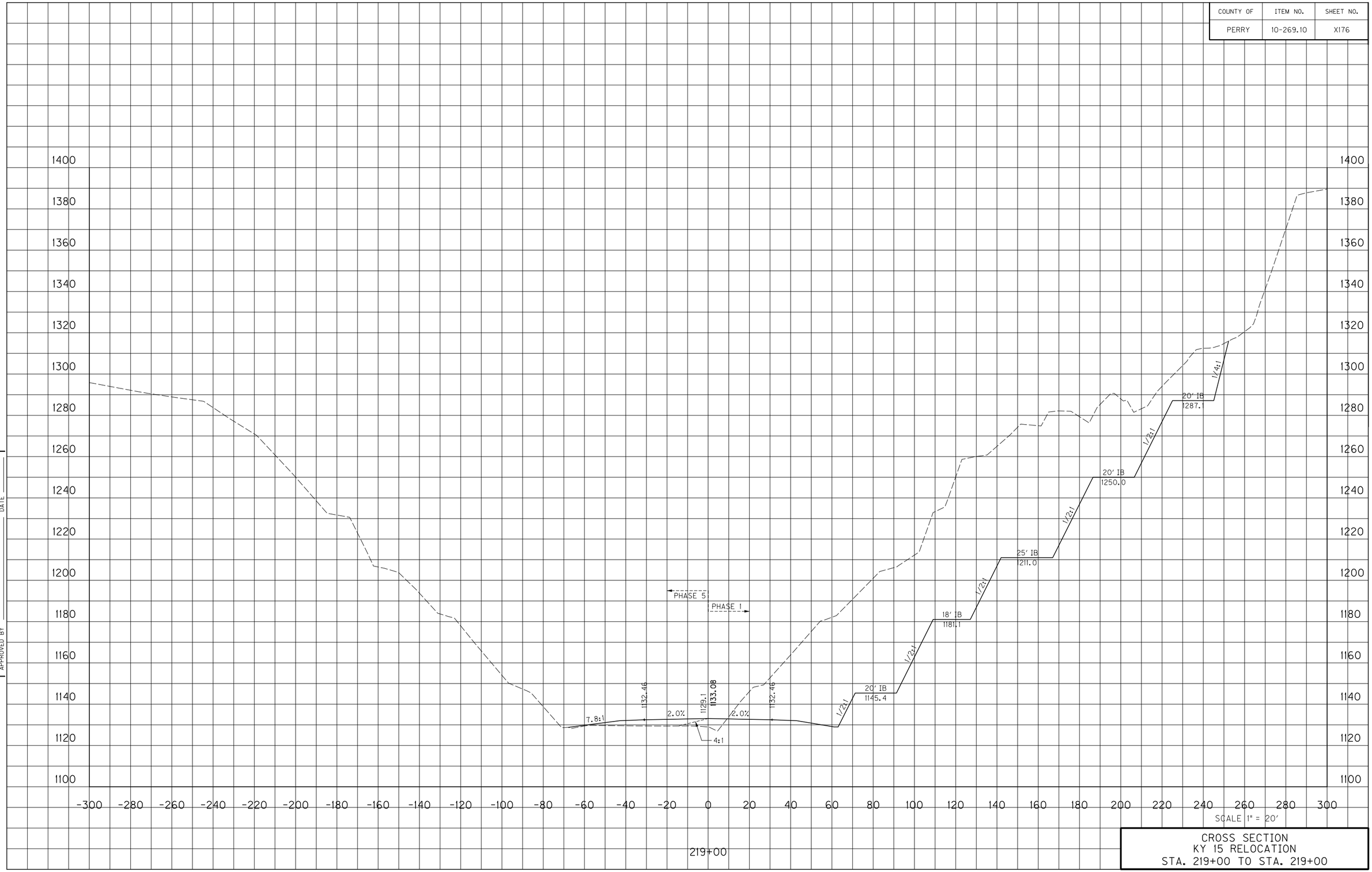
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X175

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 218+50 TO STA. 218+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X176



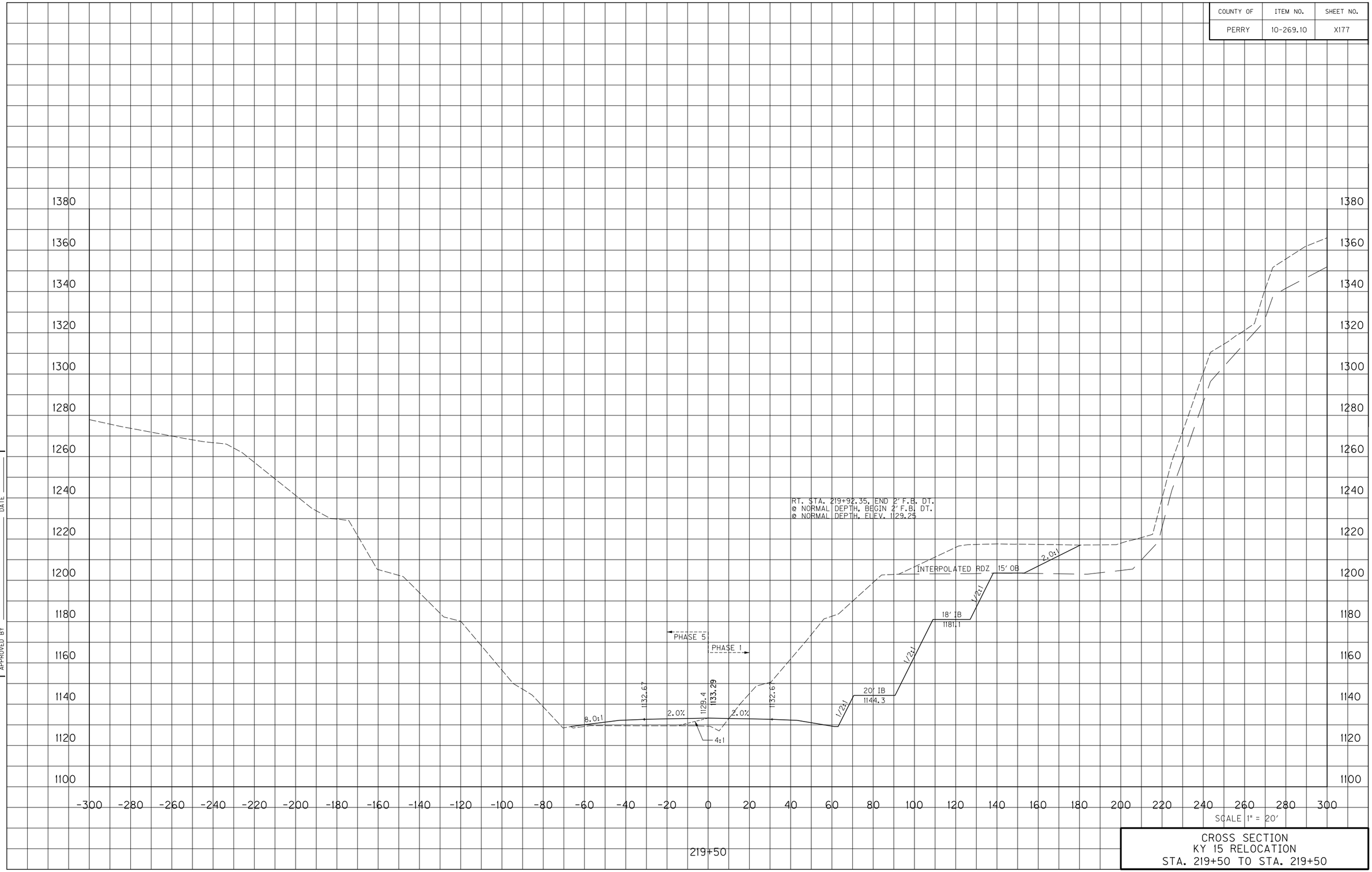
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 219+00 TO STA. 219+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X177



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

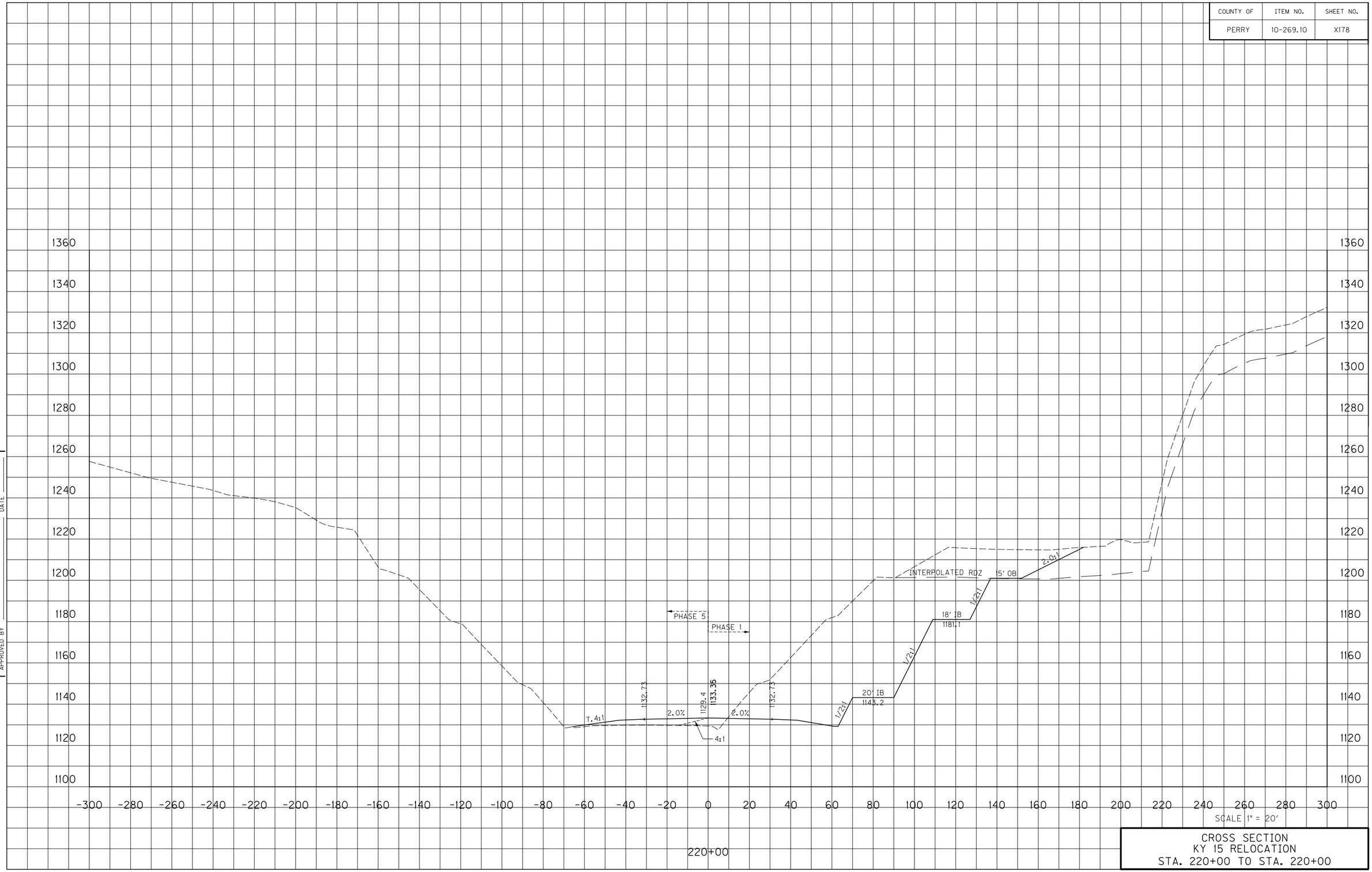
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

219+50

CROSS SECTION
KY 15 RELOCATION
STA. 219+50 TO STA. 219+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X178

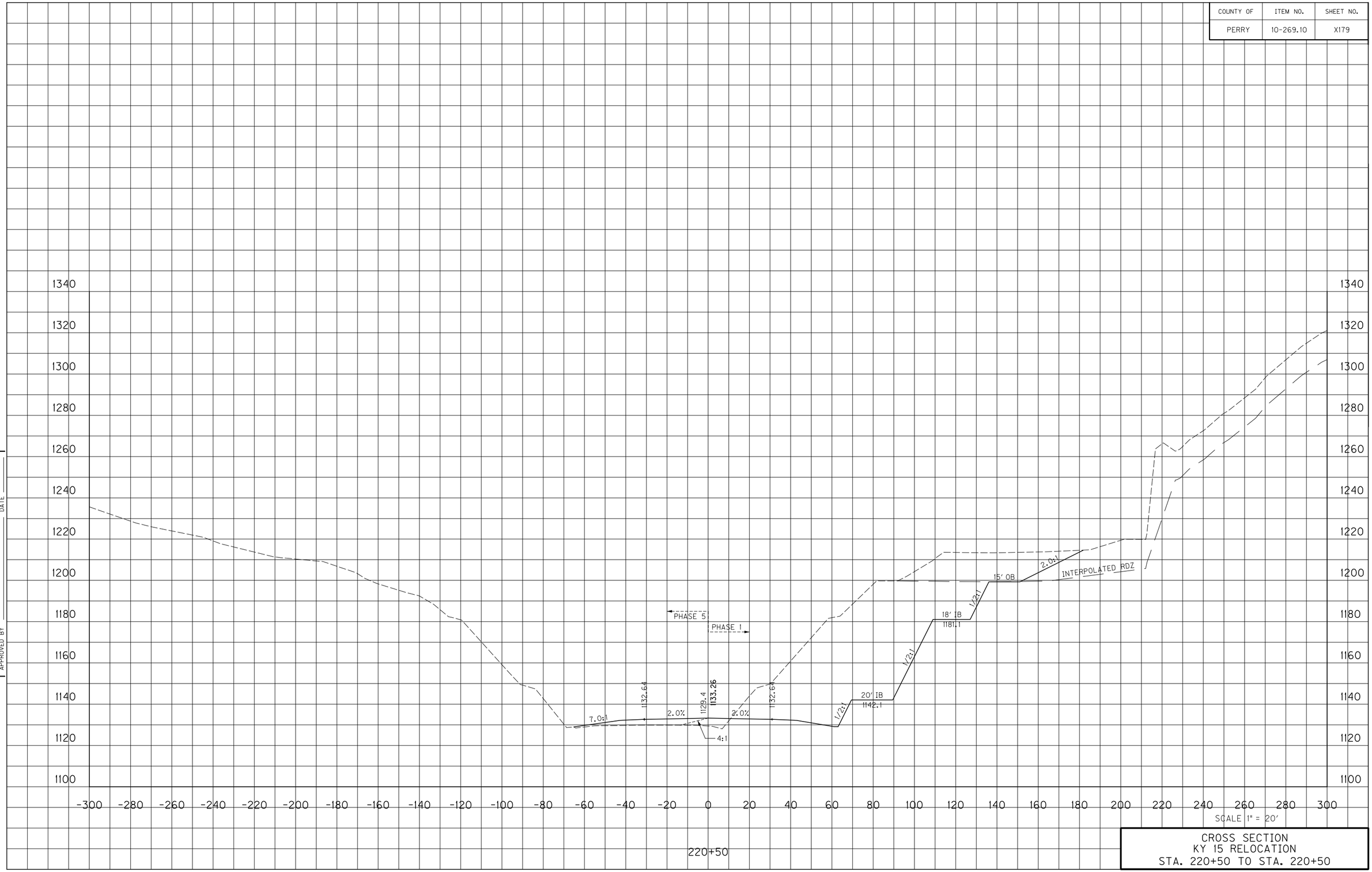


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 220+00 TO STA. 220+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X179



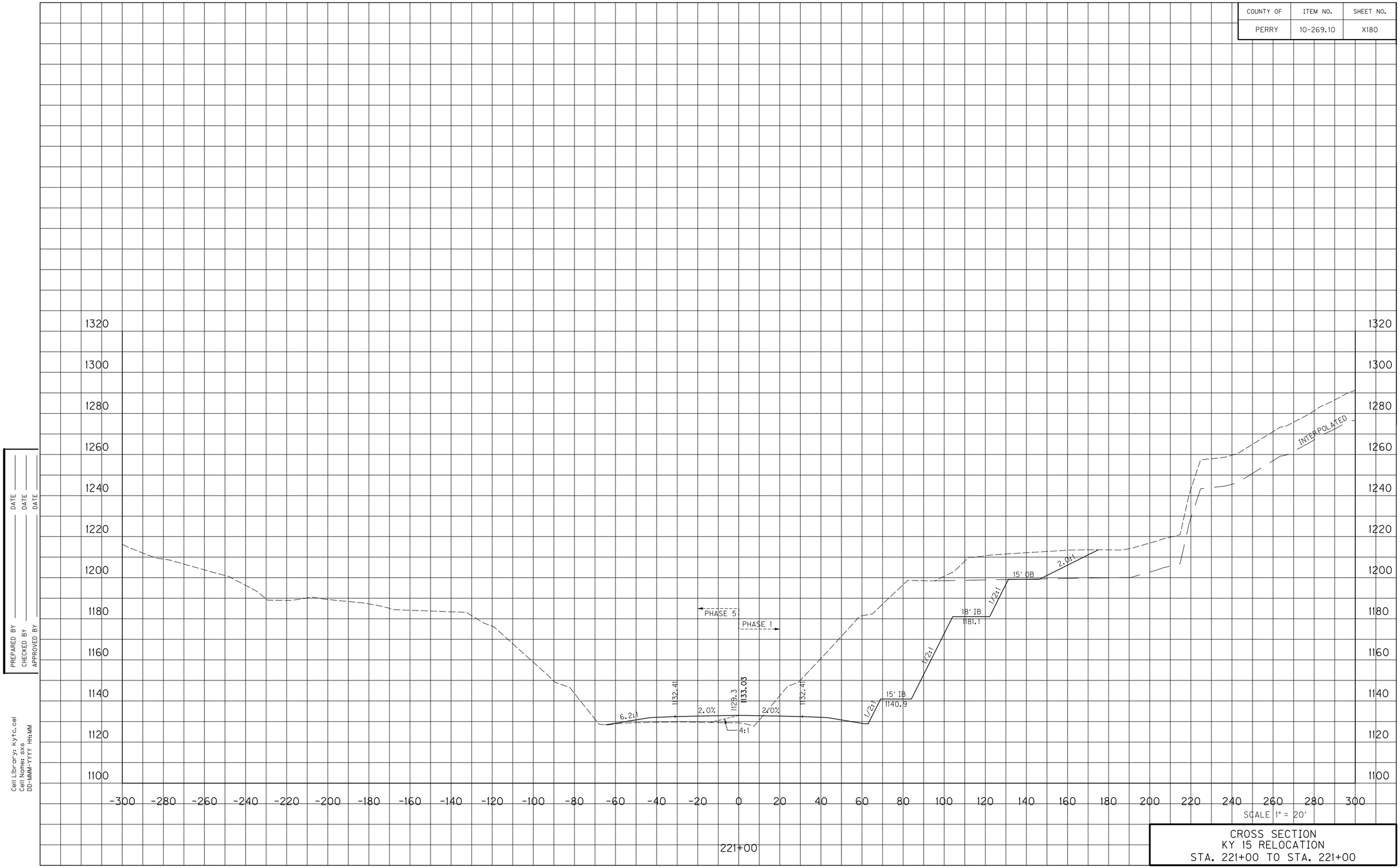
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 220+50 TO STA. 220+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X180



SCALE 1" = 20'

221+00

CROSS SECTION
KY 15 RELOCATION
STA. 221+00 TO STA. 221+00

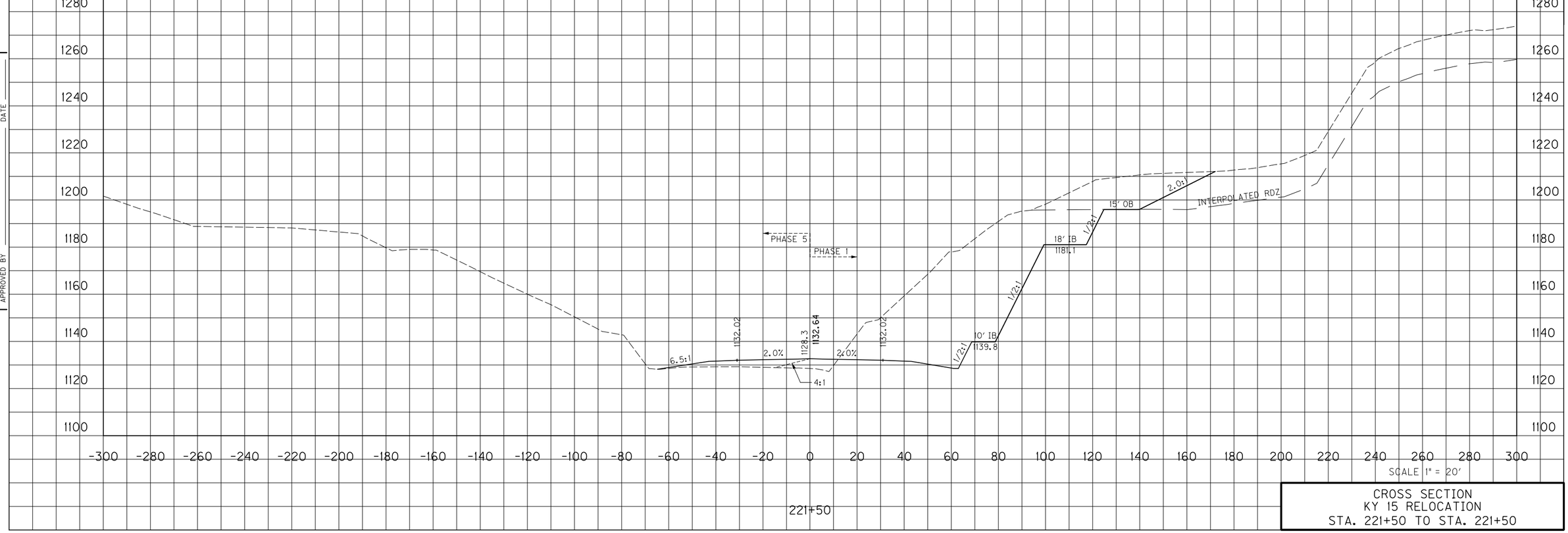
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X181

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

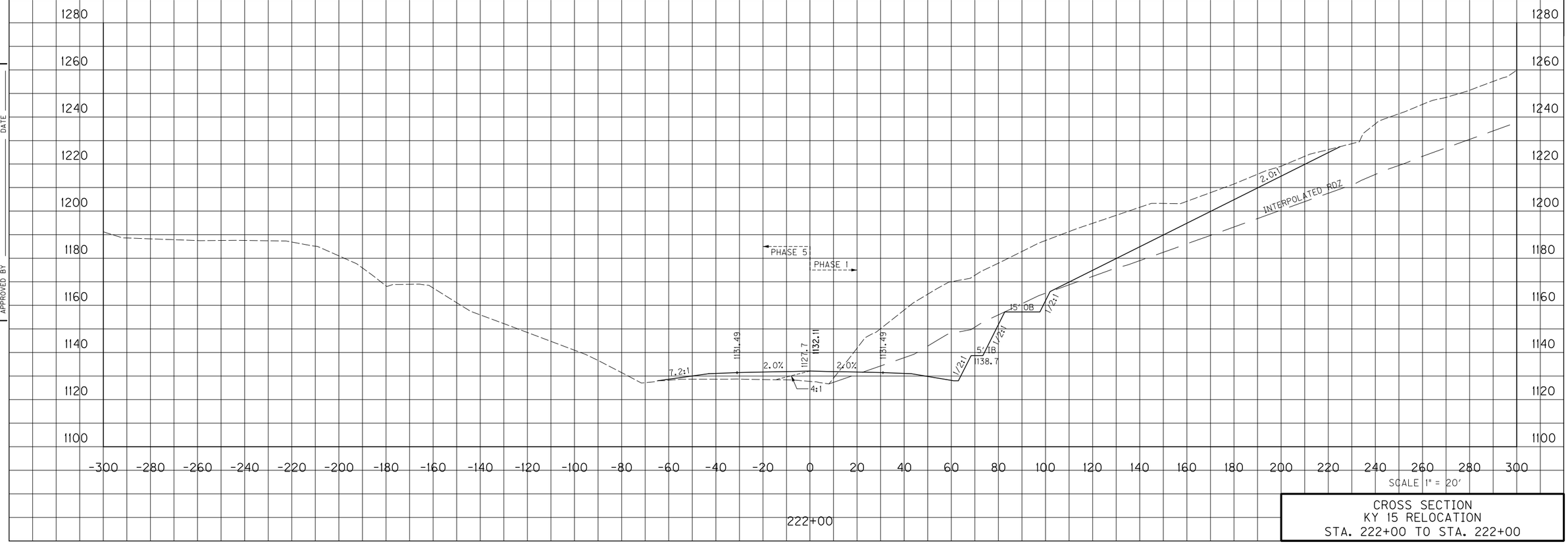


CROSS SECTION
KY 15 RELOCATION
STA. 221+50 TO STA. 221+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X182

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
KY 15 RELOCATION
STA. 222+00 TO STA. 222+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X183

RT. STA. 223+27.22, END SPL. 2' F.B.
DT. @ 4.20%, BEGIN SPL. 2' F.B. DT.
@ 16.60%, BEGIN 30" ENTR. PIPE,
ELEV. 1125.35

RT. STA. 223+00.00, END 2' F.B.
DT. @ NORMAL DEPTH, BEGIN SPL. 2' F.B.
DT. @ 4.20%, ELEV. 1126.50

11.9:1 2.0% 2.0% 4:1 4:1 4.20 % 2:1 2.0% NORMAL 2.0:1

1129.98 1127.4 1130.60 1129.98 1126.50 1257.25 1258.13

INTERPOLATED ROZ

℄ CELL TOWER ACCESS ENTR.
352.66' RT. ELEV. 1257.68

223+00

PHASE 5 PHASE 1

8.4:1 2.0% 2.0% 4:1 2.0:1

1130.81 1127.4 1131.43 1130.81

INTERPOLATED ROZ

222+50

SCALE 1" = 20'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
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CROSS SECTION
KY 15 RELOCATION
STA. 222+50 TO STA. 223+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X184

LT. STA. 224+48.50, BEGIN SPL. 2' F.B. DT. @ 1.00%, ELEV. 1119.80

RT. STA. 224+00.00, END SPL. 2' F.B. DT. @ 1.29%, BEGIN 2' F.B. DT. @ NORMAL DEPTH, ELEV. 1124.39

RT. STA. 224+41.03, END 24" ENTR. PIPE, ELEV. 1146.16

RT. STA. 224+06.65, END SPL. 2' F.B. DT. @ NORMAL DEPTH, BEGIN 24" ENTR. PIPE, ELEV. 1142.16

PHASE 5

PHASE 1

℄ P. NO.300 ENTR. 114.20' RT. ELEV. 1140.86

℄ CELL TOWER ACCESS ENTR. 190.31' RT. ELEV. 1152.35

℄ CELL TOWER ACCESS ENTR. 216.44' RT. ELEV. 1156.74

℄ CELL TOWER ACCESS ENTR. 376.37' RT. ELEV. 1241.12

1139.91 1141.55 1150.80 1158.12 1240.74 1241.50

12.8:1 1127.87 2.0% 1125.6 1128.49 2.0% 1127.87 2:1 6:1 12% 8.8% 2:1 2.0% NORMAL 1.8:1 2.0% NORMAL

4:1 4:1 1141.12 19.00 %

(NORMAL CROWN)

224+00

RT. STA. 223+79.22, END 30" ENTR. PIPE, BEGIN SPL. 2' F.B. DT. @ 1.29%, ELEV. 1124.66

RT. STA. 223+52.00, END SPL. 2' F.B. DT. @ 16.60%, BEGIN 2' F.B. DT. @ NORMAL DEPTH, ELEV. 1131.24

PHASE 5

PHASE 1

℄ CELL TOWER ACCESS ENTR. 364.67' RT. ELEV. 1249.42

1131.07 1249.04 1243.80

12.0:1 1128.00 2.0% 1126.5 1129.62 2.0% 1128.00 2:1 NRML. 2.0% NORMAL

4:1 30" ENTR PIPE 1130.82 16.60 %

223+50

PREPARED BY DATE

CHECKED BY DATE

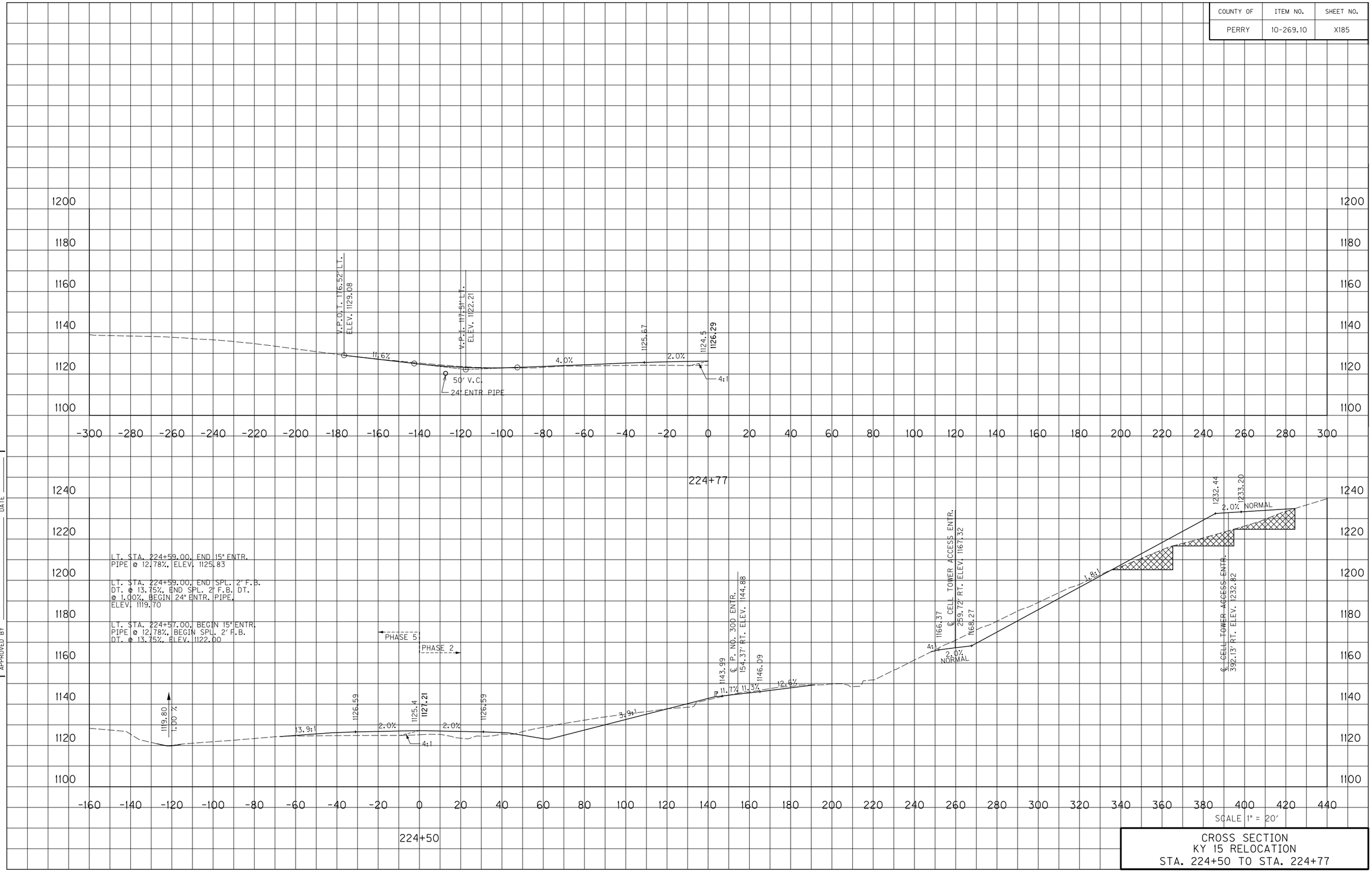
APPROVED BY DATE

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 223+50 TO STA. 224+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X185



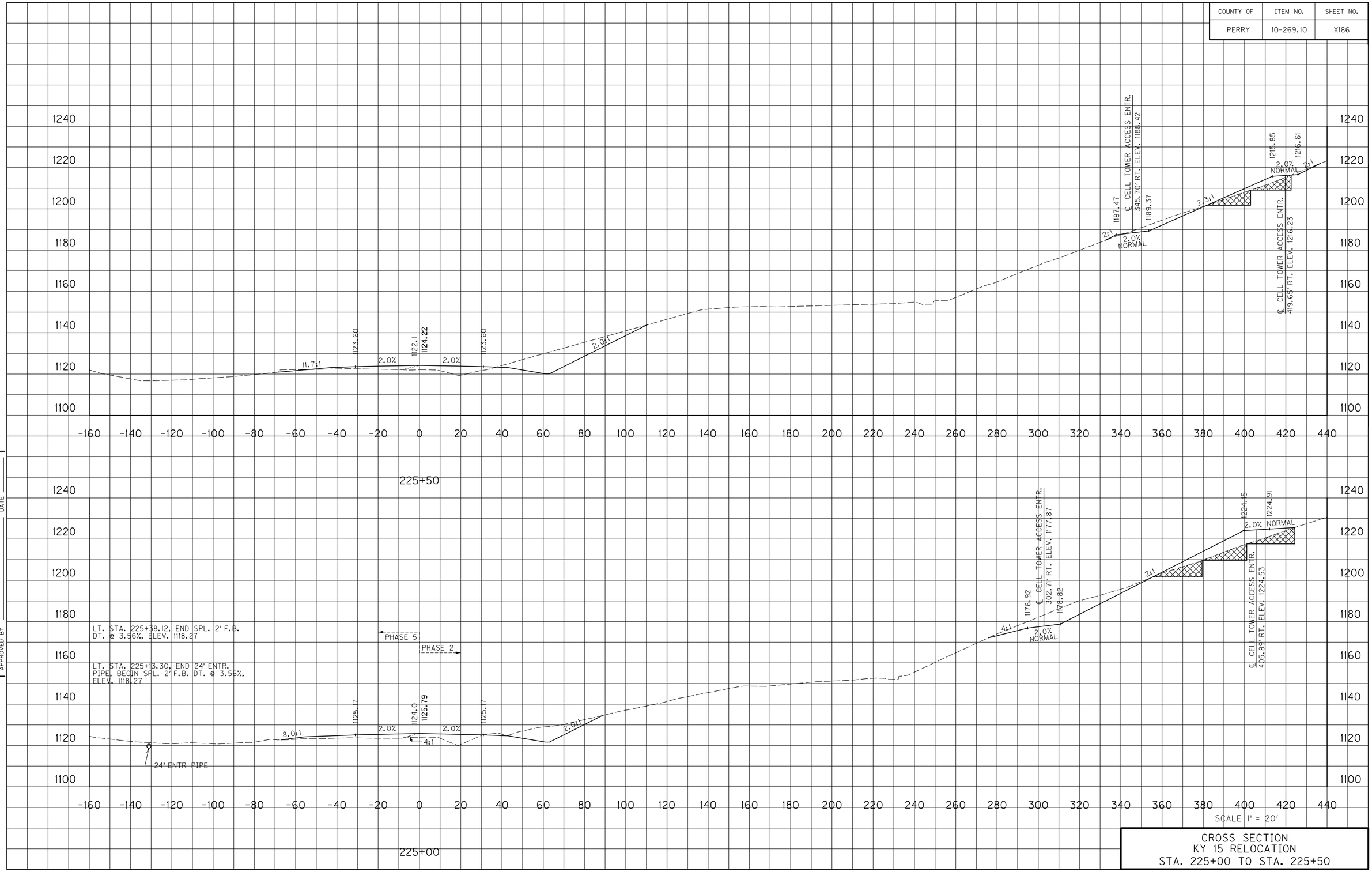
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 224+50 TO STA. 224+77

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X186



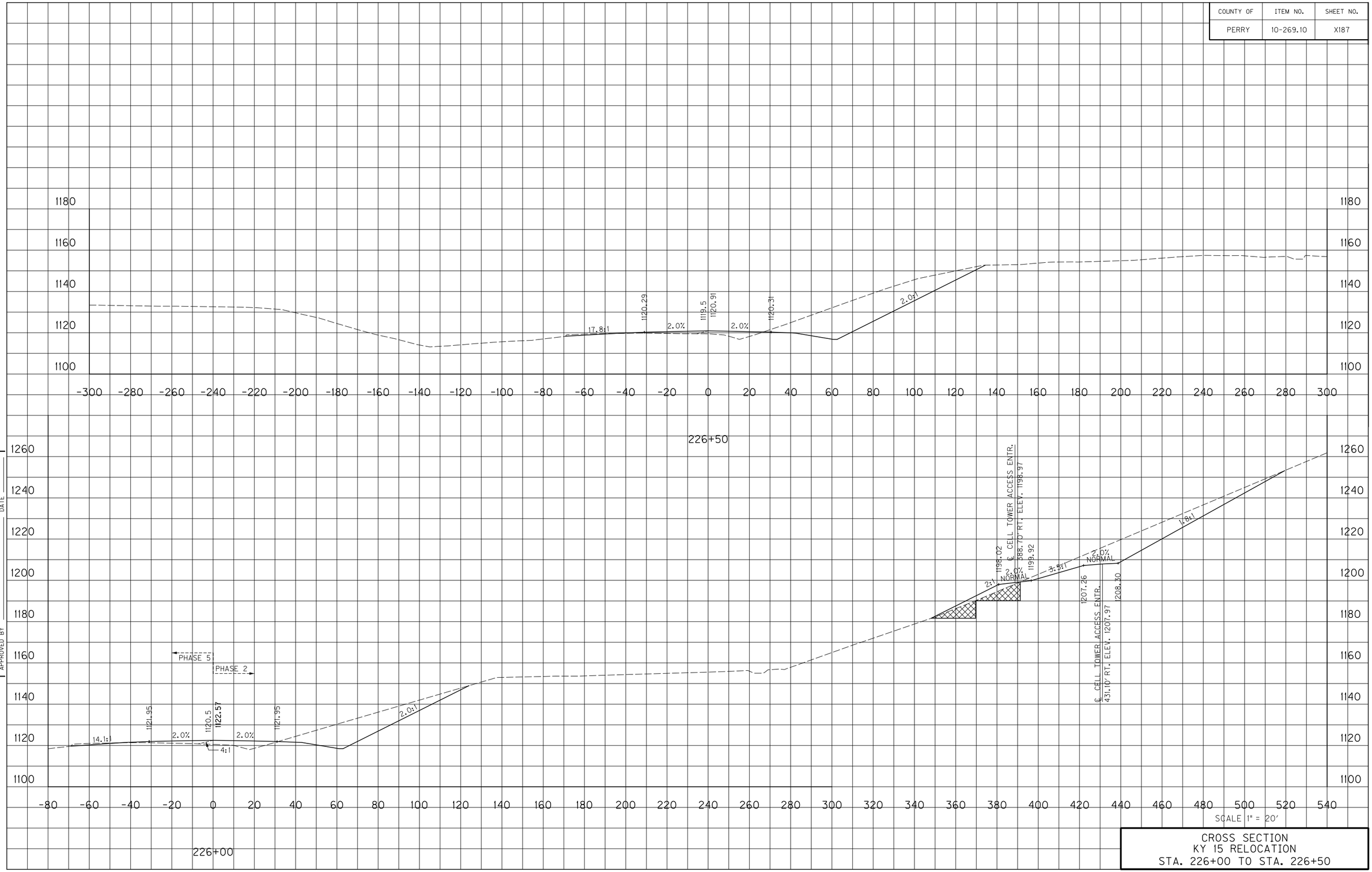
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 225+00 TO STA. 225+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X187



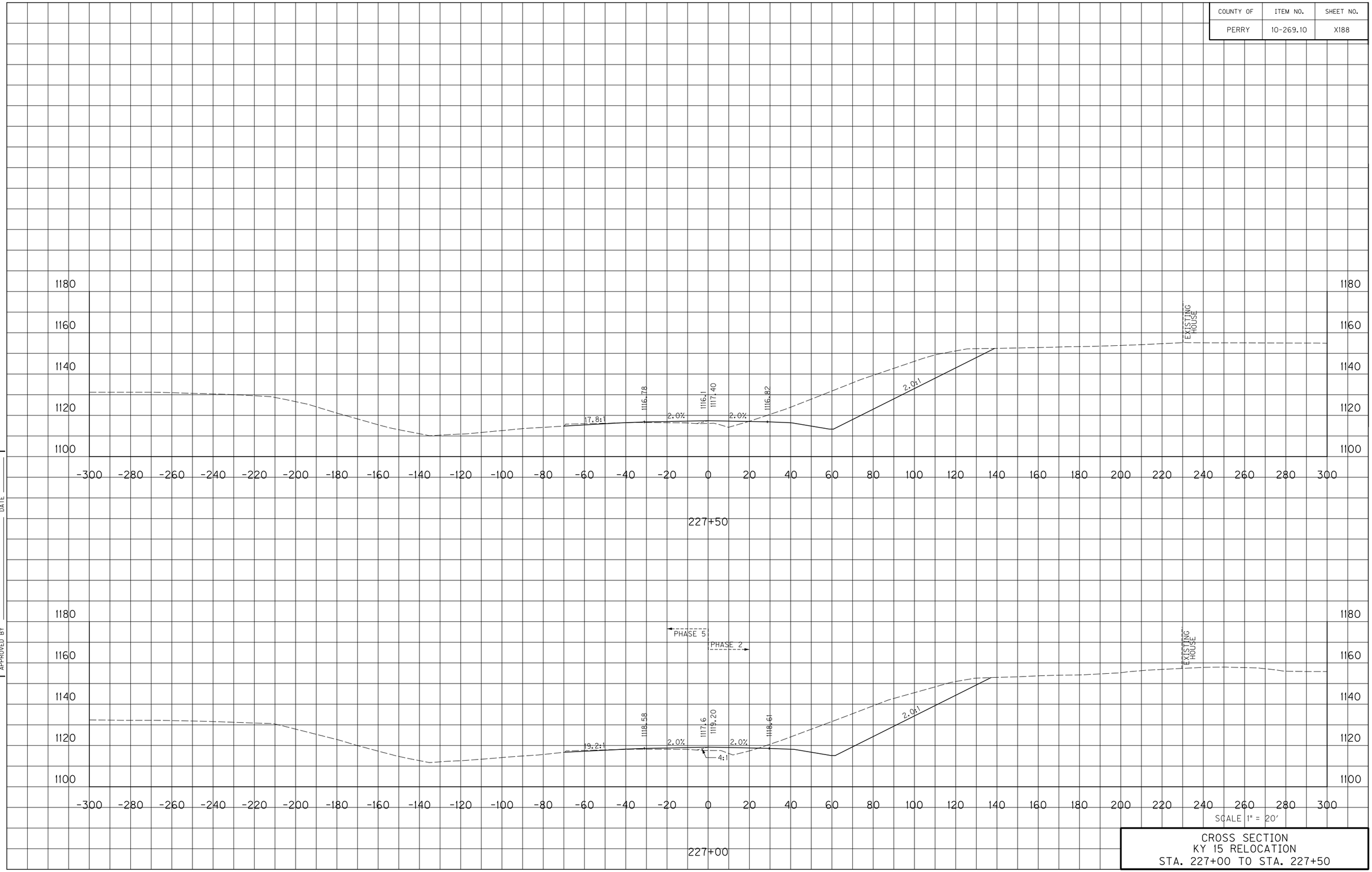
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 226+00 TO STA. 226+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X188



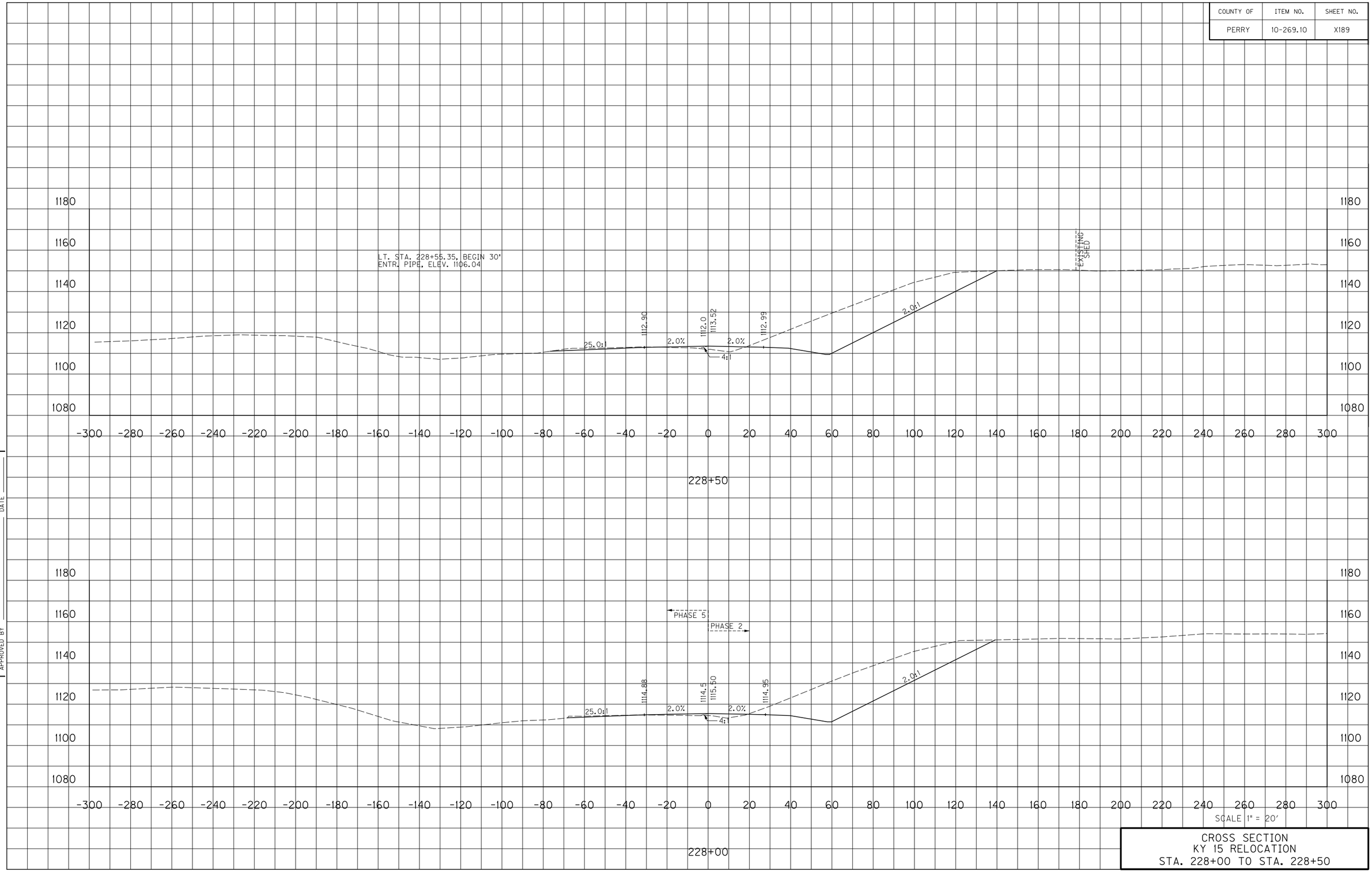
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 227+00 TO STA. 227+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X189

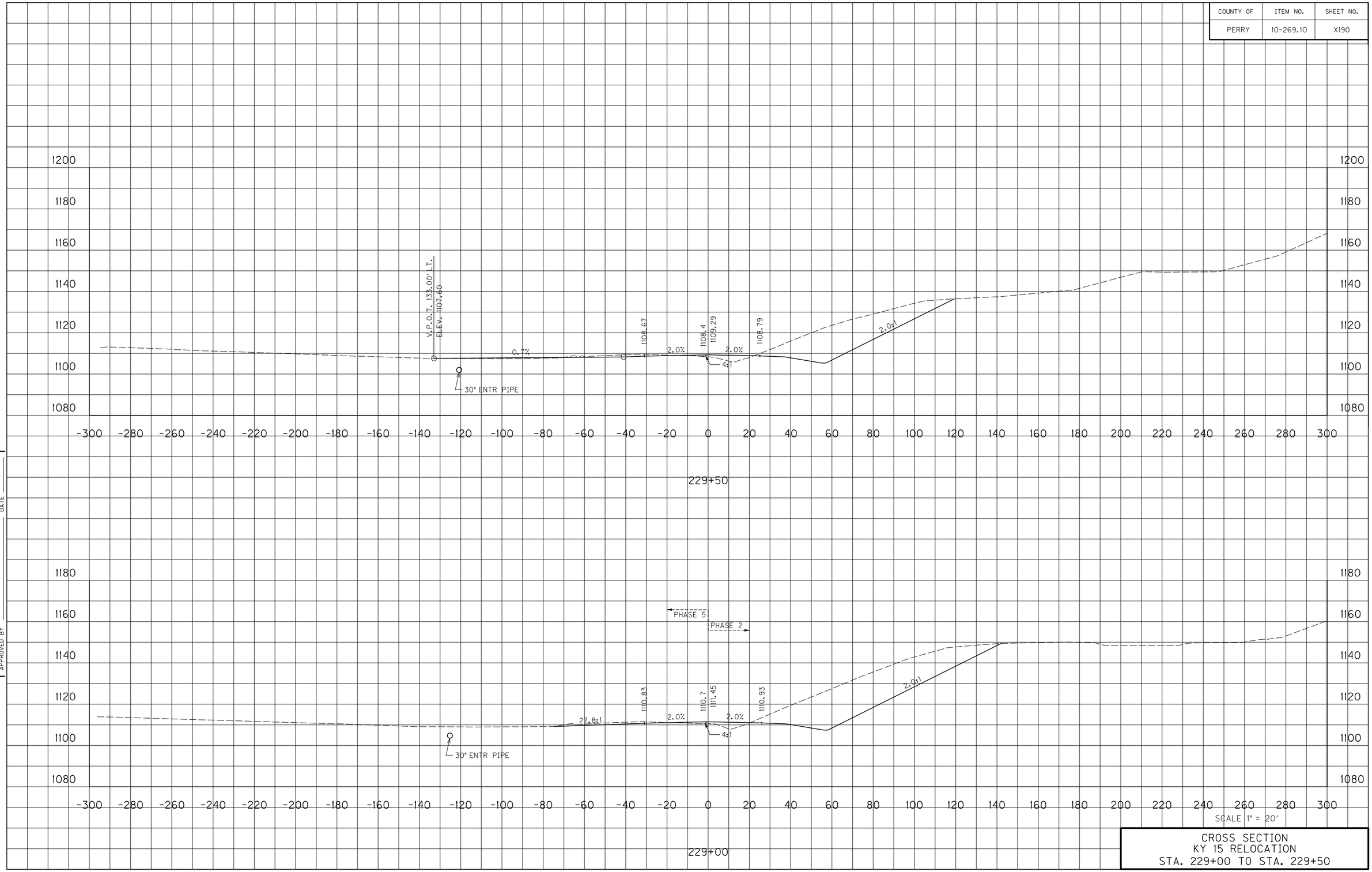


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 228+00 TO STA. 228+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X190



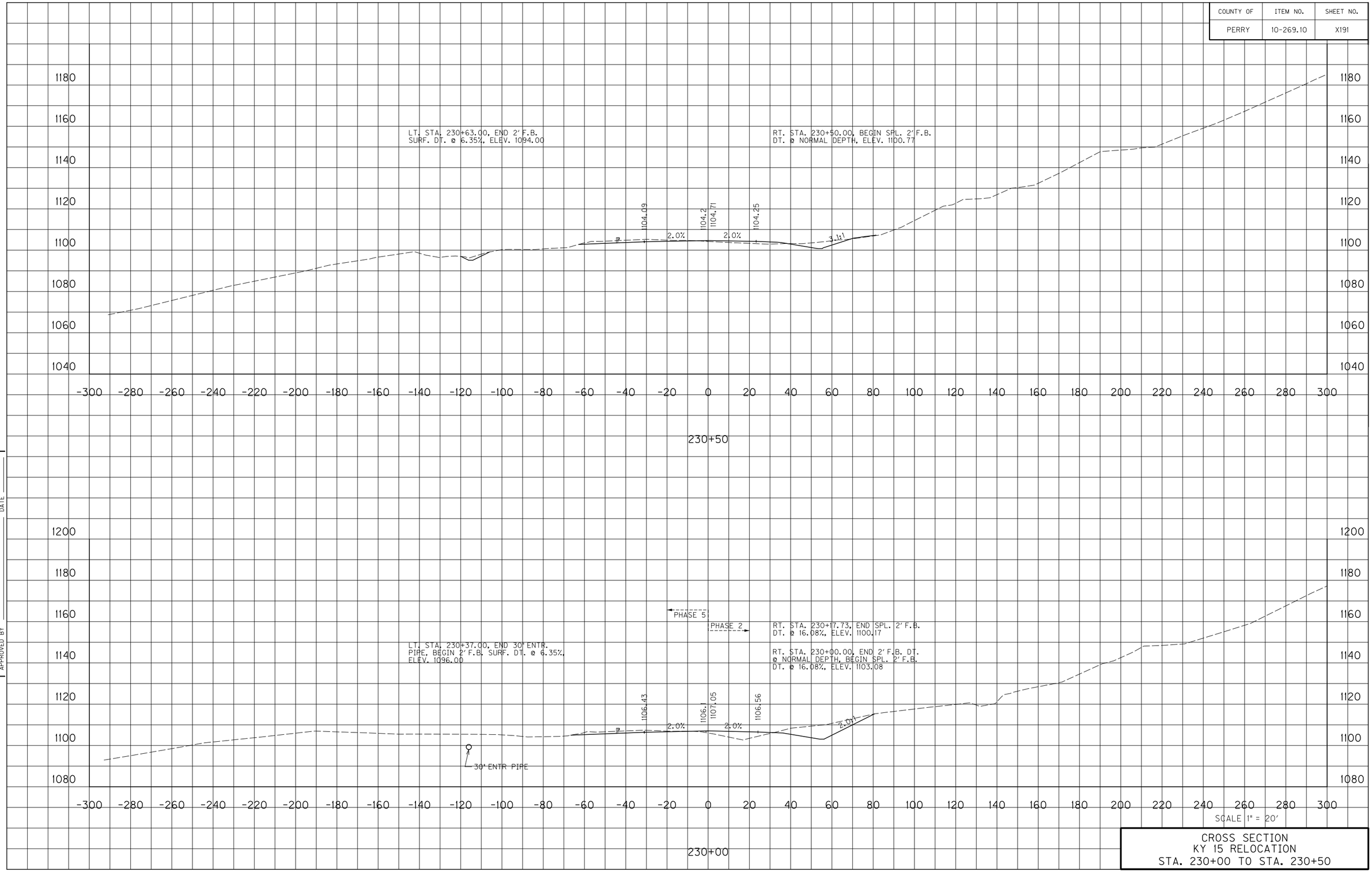
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 229+00 TO STA. 229+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X191



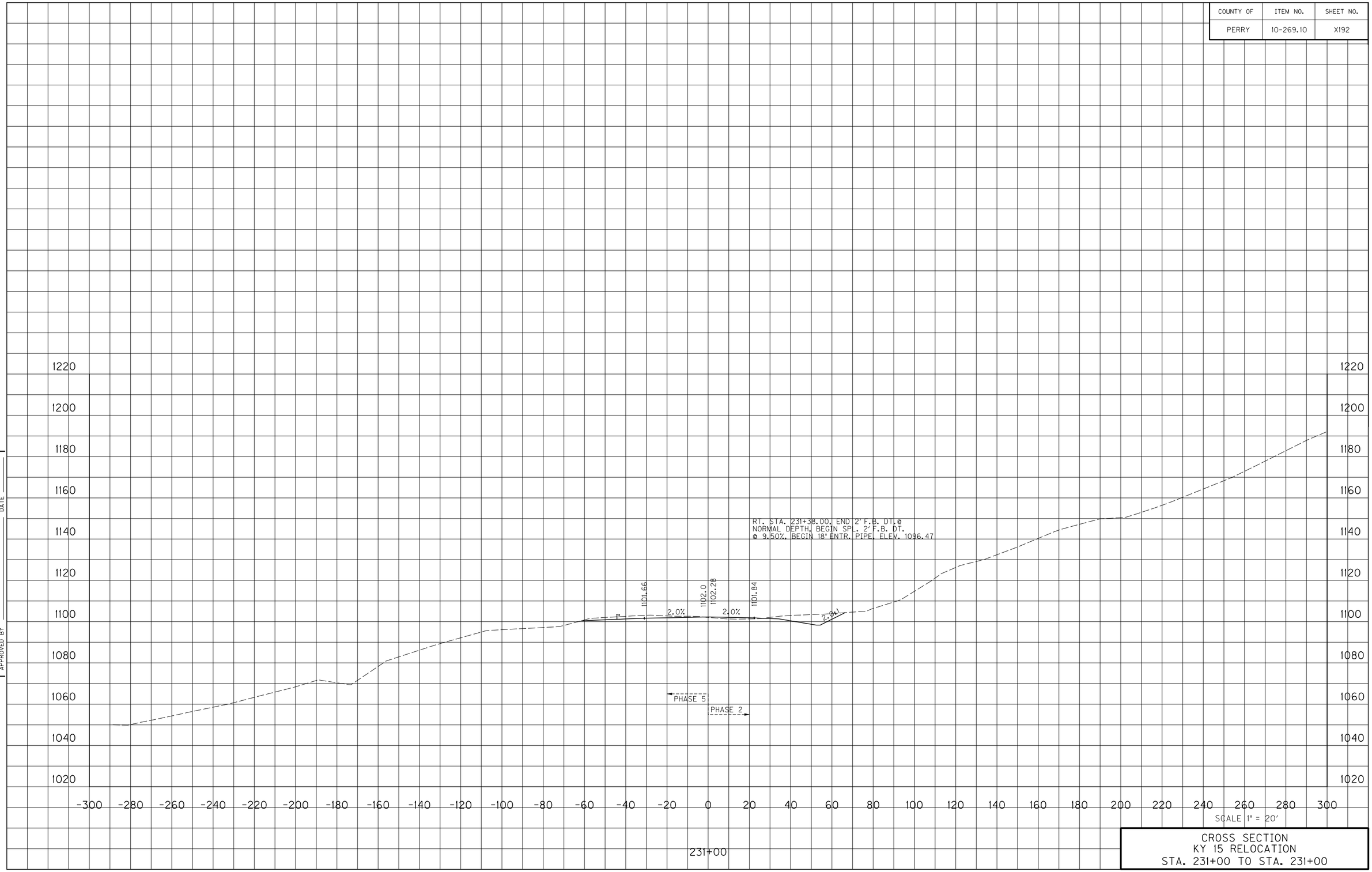
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 230+00 TO STA. 230+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X192



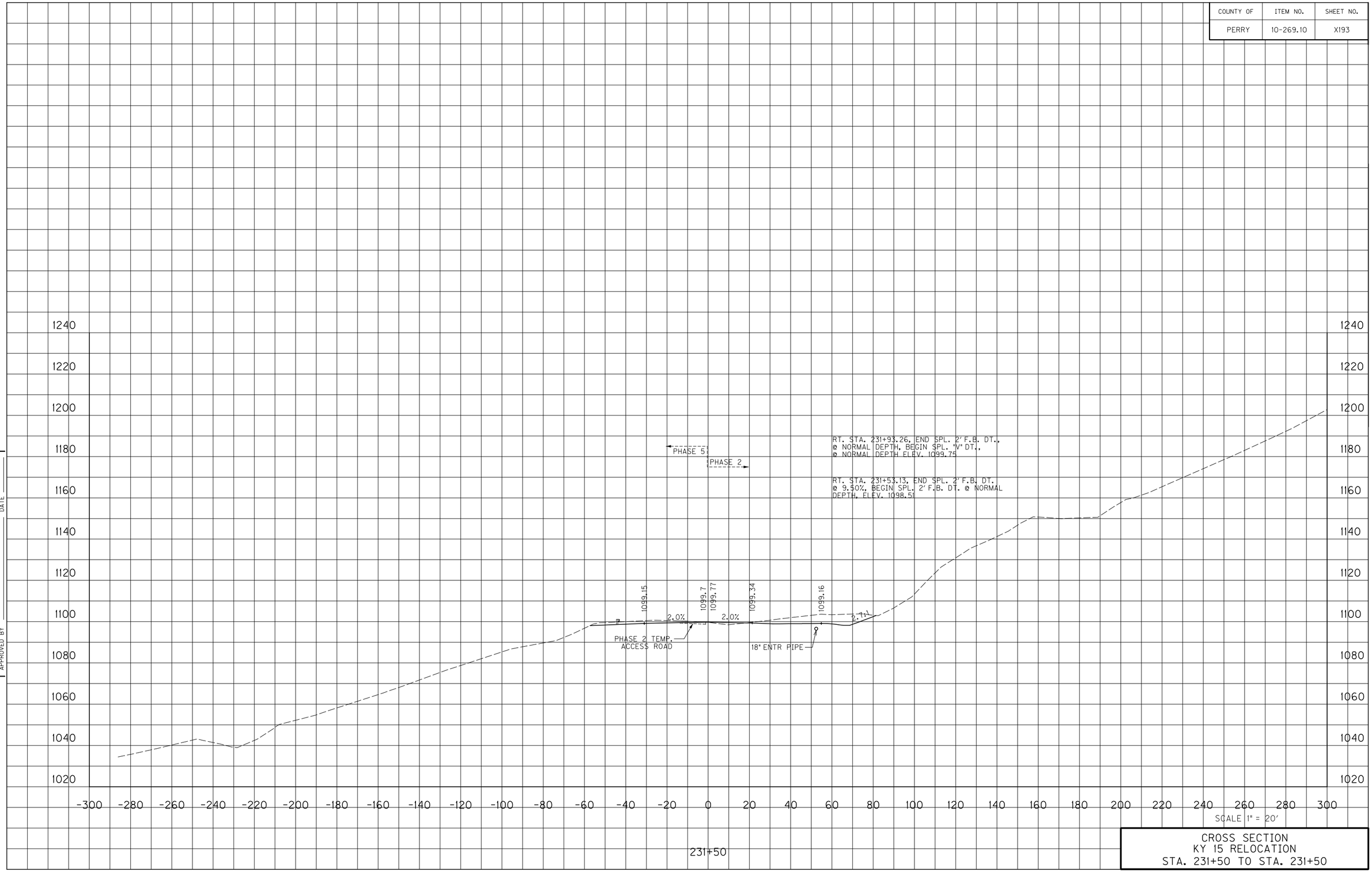
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 231+00 TO STA. 231+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X193



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 231+50 TO STA. 231+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X194

RT. STA. 232+22.34, END SPL. "V" DT.
@ NORMAL DEPTH, ELEV. 1100.0

LT. STA. 232+14.00, BEGIN 2' F.B. DT.
@ NORMAL DEPTH, ELEV. 1092.24

1096.55
1097.1
1097.17
1096.76
1101.02
℄ RESIDENTIAL ENTR.
73.09' RT. ELEV. 1101.14
1101.33
2.0%
2.0%
2.1%
1.9%
18" ENTR PIPE

PHASE 5
PHASE 3

1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

232+00

SCALE 1" = 20'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 232+00 TO STA. 232+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X195

RT. STA. 232+80, END 2' F.B. OUT. DT., TIE TO 2' F.B. DT. @ NORMAL DEPTH. ELEV. 1088.96

RT. STA. 232+79, BEGIN 2' F.B. OUT. DT., ELEV. 1096.22

RT. STA. 232+50, END 18" ENTR. PIPE, BEGIN 2' F.B. DT. @ NORMAL DEPTH, ELEV. 1090.60

CHURCH BLDG.

1093.85

1094.03

1094.47

1094.08

4.0:1

2.0%

2.0%

11.0%

2.0%

PHASE 1
TEMP. ENTRANCE

PHASE 5

PHASE 3

232+50

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 232+50 TO STA. 232+50

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

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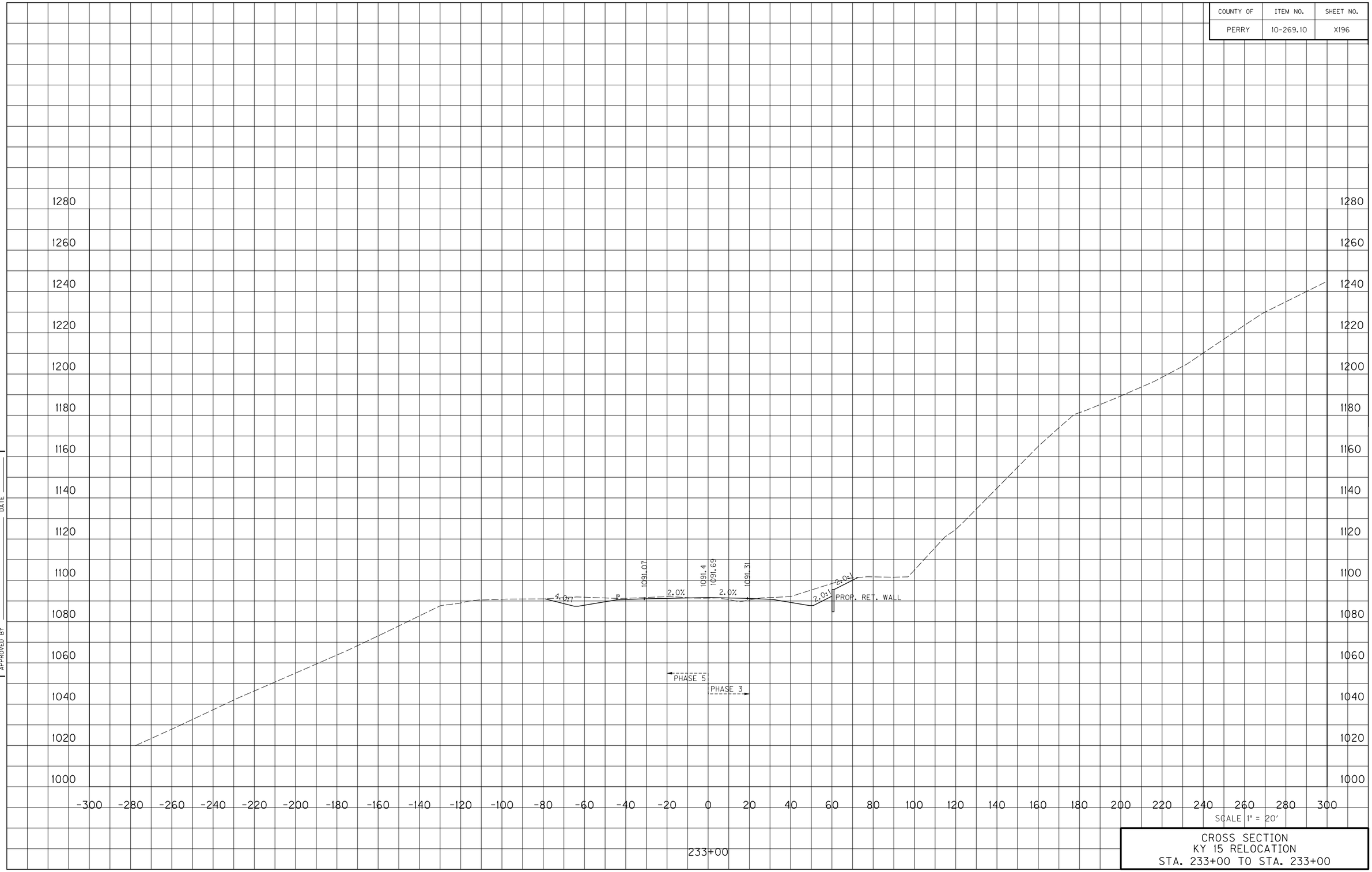
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X196



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 233+00 TO STA. 233+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
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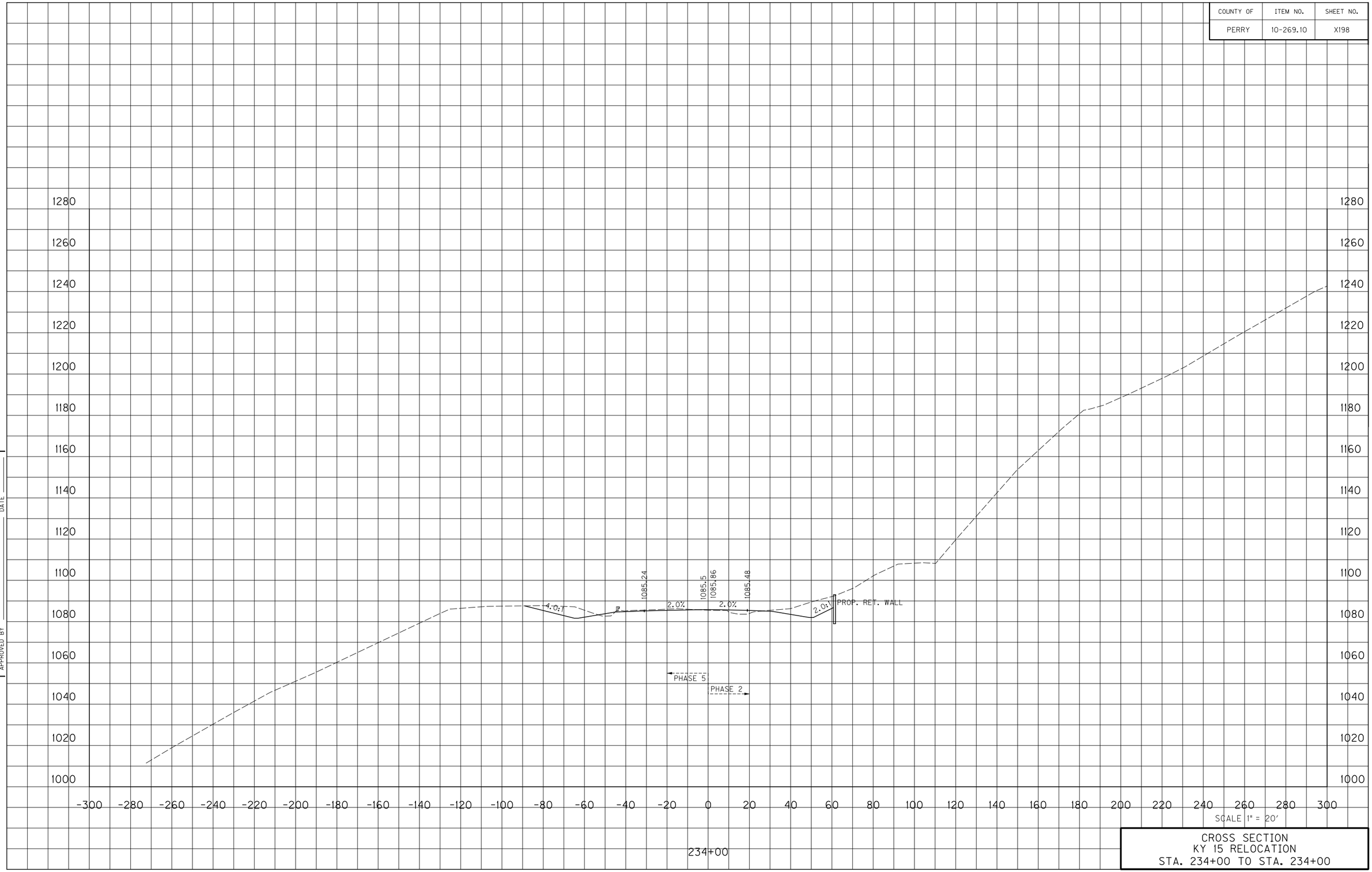
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X197

CROSS SECTION
KY 15 RELOCATION
STA. 233+50 TO STA. 233+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X198



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 234+00 TO STA. 234+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
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COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X199

LT. STA. 234+60.22, END 2' F.B. DT.
@ NORMAL DEPTH, BEGIN SPL. 2' F.B.
DT. @ 6.60%, ELEV. 1078.00

1082.20
1082.3
1082.82
1082.44

4.0:1
2.0%
2.0%
2.0:1
PROP. RET. WALL

PHASE 5
PHASE 2

1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

234+50

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 234+50 TO STA. 234+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X200

LT. STA. 235+44.00, END SPL. 2'
F.B. DT. @ 6.60%, ELEV. 1072.42

1079.06
1079.2
1079.68
1079.30

4.0:1
2.0%
2.0%
2.0:1
PROP. RET. WALL

PHASE 5
PHASE 2

1220 1200 1180 1160 1140 1120 1100 1080 1060 1040 1020 1000 980

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

SCALE 1" = 20'

235+00

CROSS SECTION
KY 15 RELOCATION
STA. 235+00 TO STA. 235+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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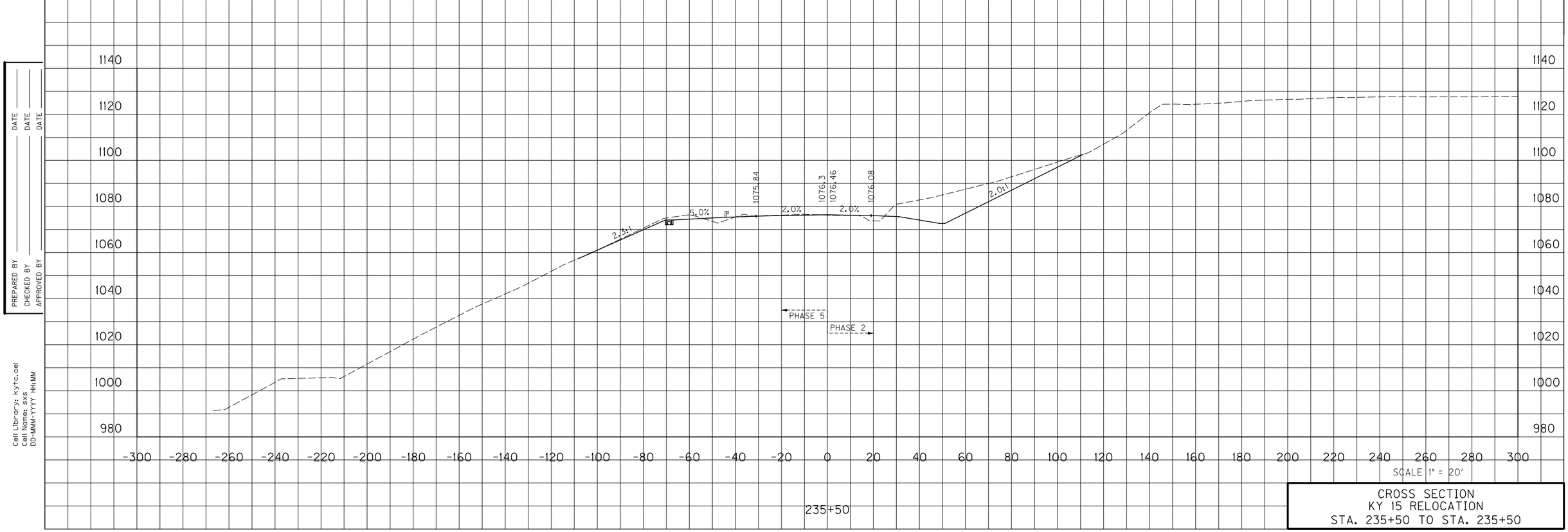
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X201



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 235+50 TO STA. 235+50

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

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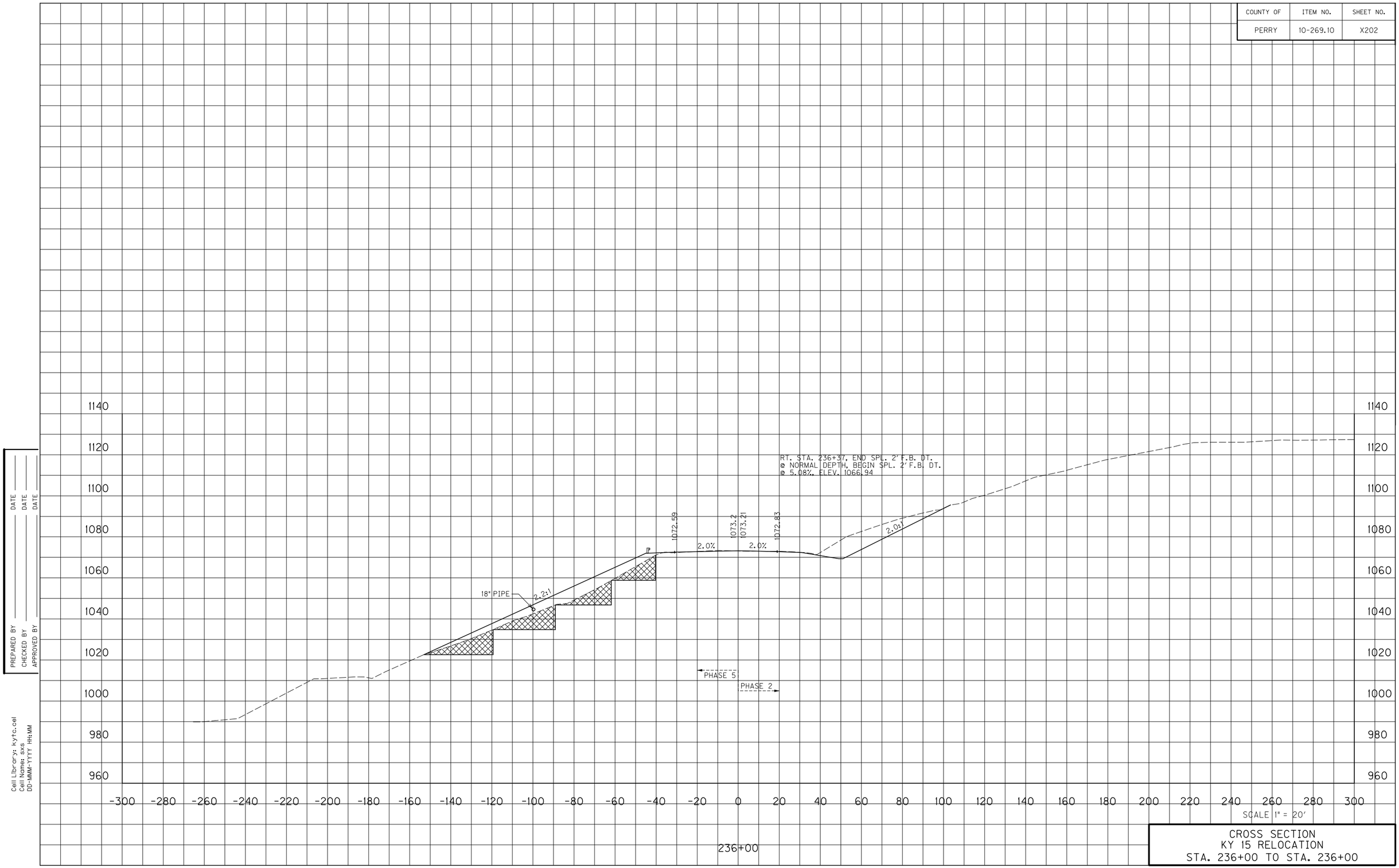
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X202



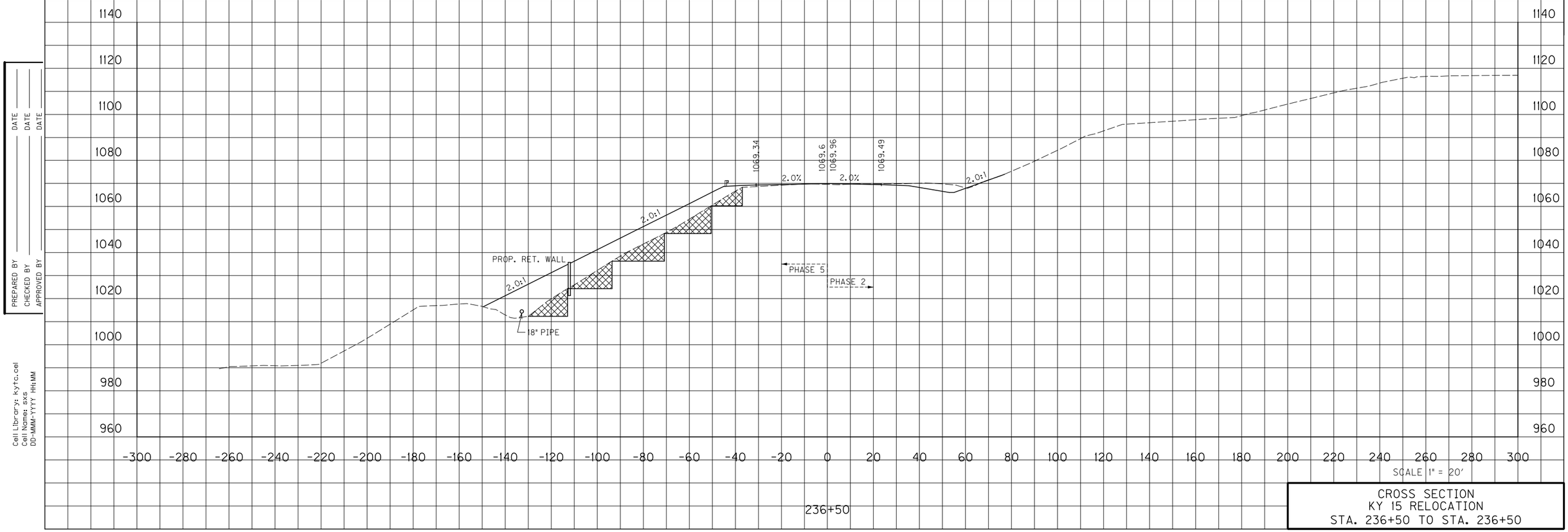
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 236+00 TO STA. 236+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X203



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

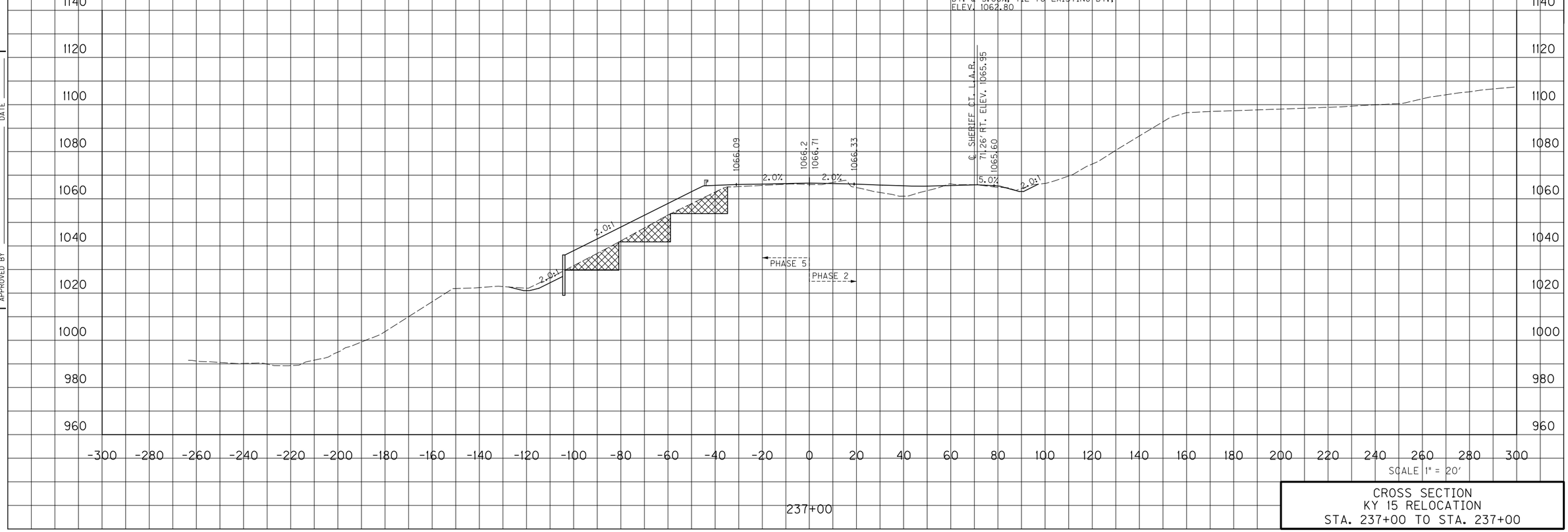
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 236+50 TO STA. 236+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X204

RT. STA. 237+35, BEGIN SPL. 2' F.B.
DT. @ 36.67%, ELEV. 1055.80

RT. STA. 237+07, END SPL. 2' F.B.
DT. @ 5.08%, TIE TO EXISTING DT.,
ELEV. 1062.80



SCALE 1" = 20'

237+00

CROSS SECTION
KY 15 RELOCATION
STA. 237+00 TO STA. 237+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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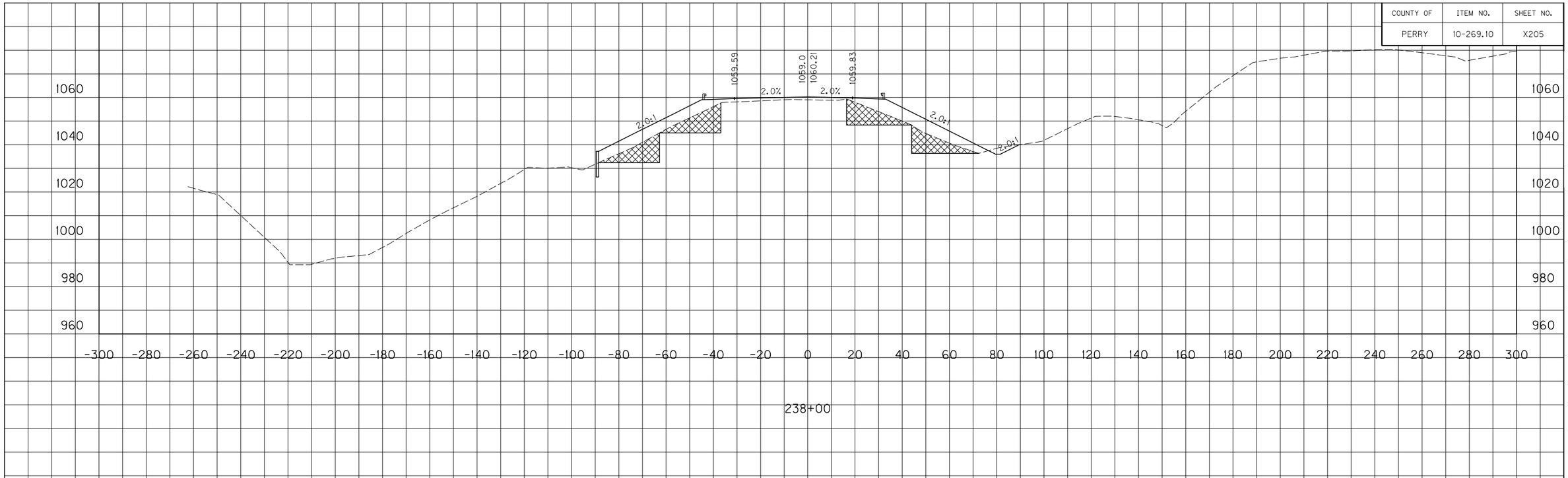
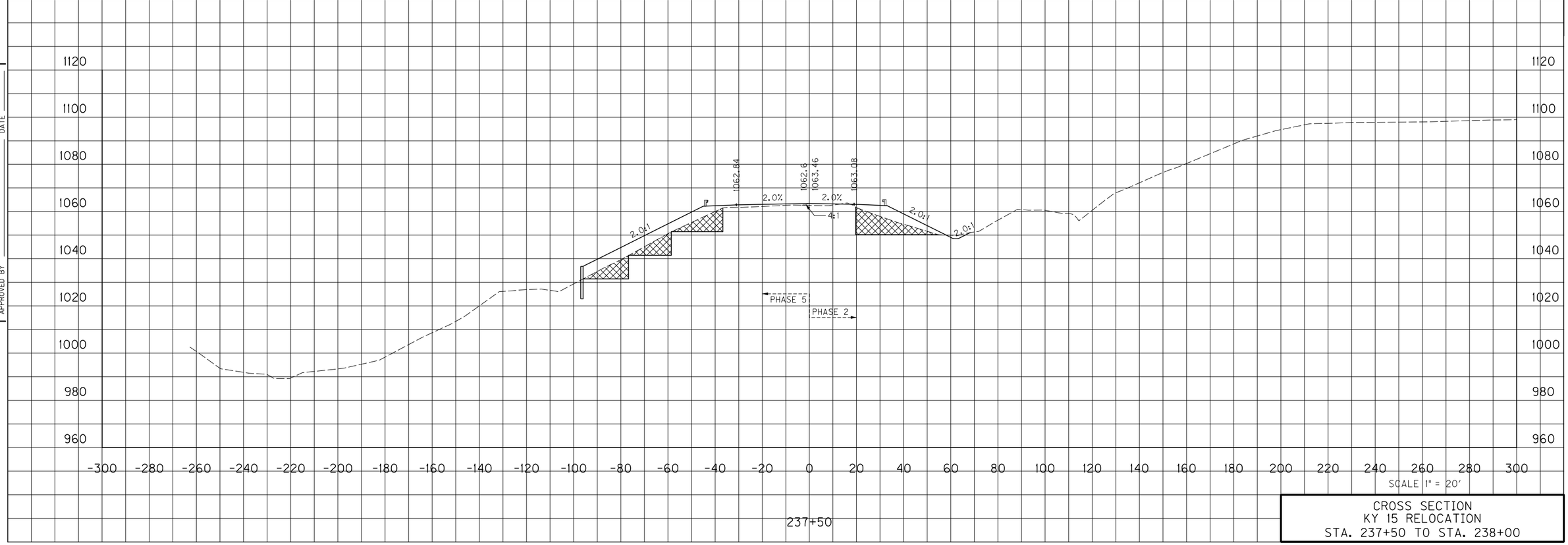
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X205



238+00



237+50

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 237+50 TO STA. 238+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

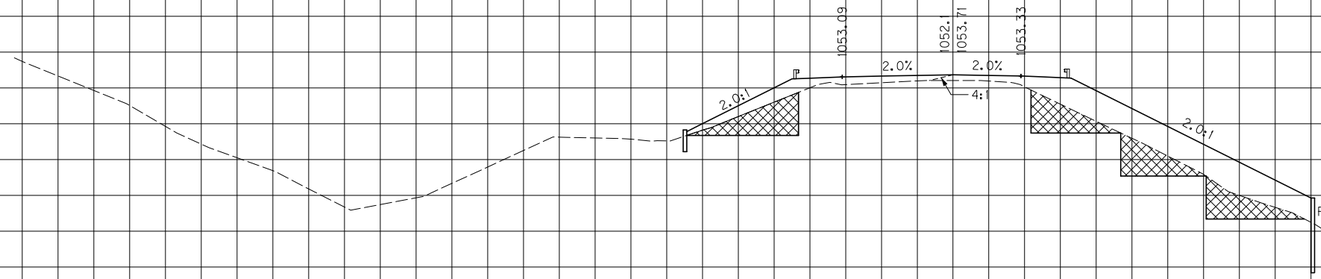
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X206

LT. STA. 239+21.29, END 2' F.B. OUTLET DT. @ 50.00%, ELEV. 1044.93

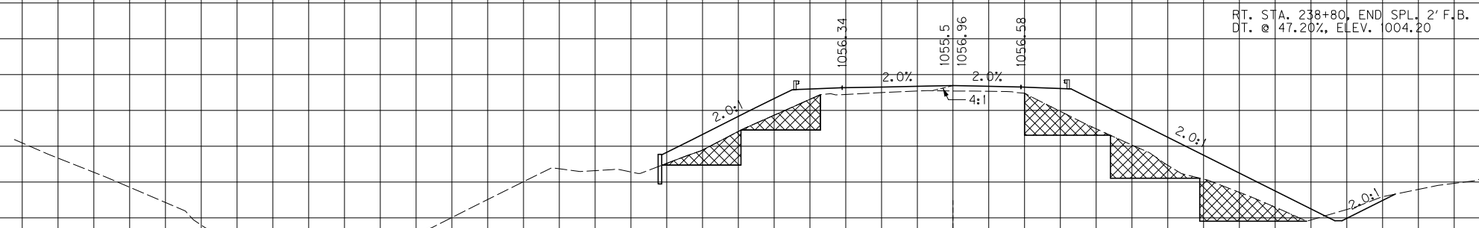
LT. STA. 239+23.58, END 2' F.B. OUTLET DT. @ 1.00%, BEGIN 2' F.B. OUTLET DT. @ 50.00%, ELEV. 1036.06

LT. STA. 239+20.27, BEGIN 2' F.B. OUTLET DT. @ 1.00%, ELEV. 1035.95



239+00

RT. STA. 238+80, END SPL. 2' F.B. DT. @ 47.20%, ELEV. 1004.20



238+50

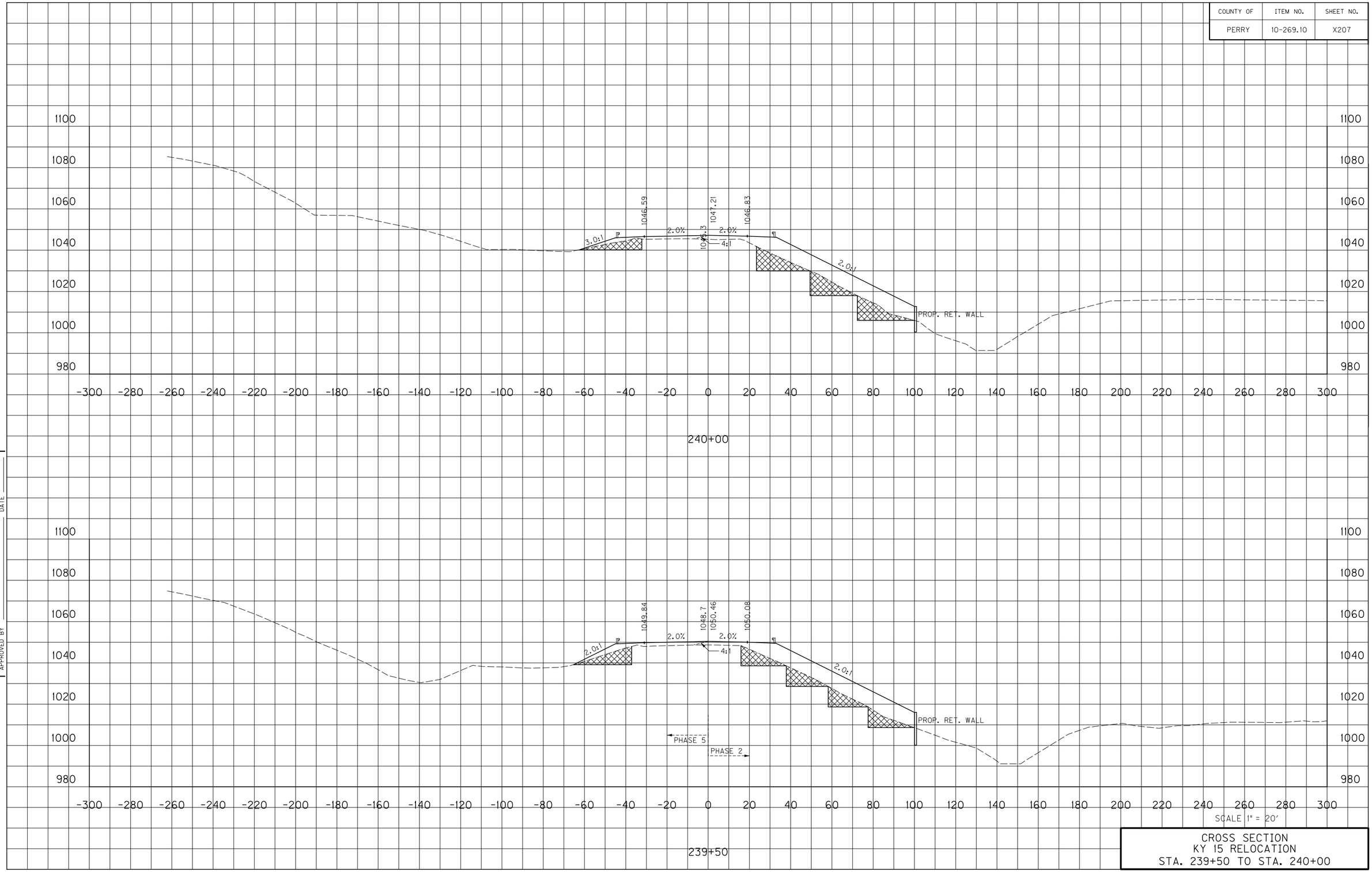
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 238+50 TO STA. 239+00

PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X207



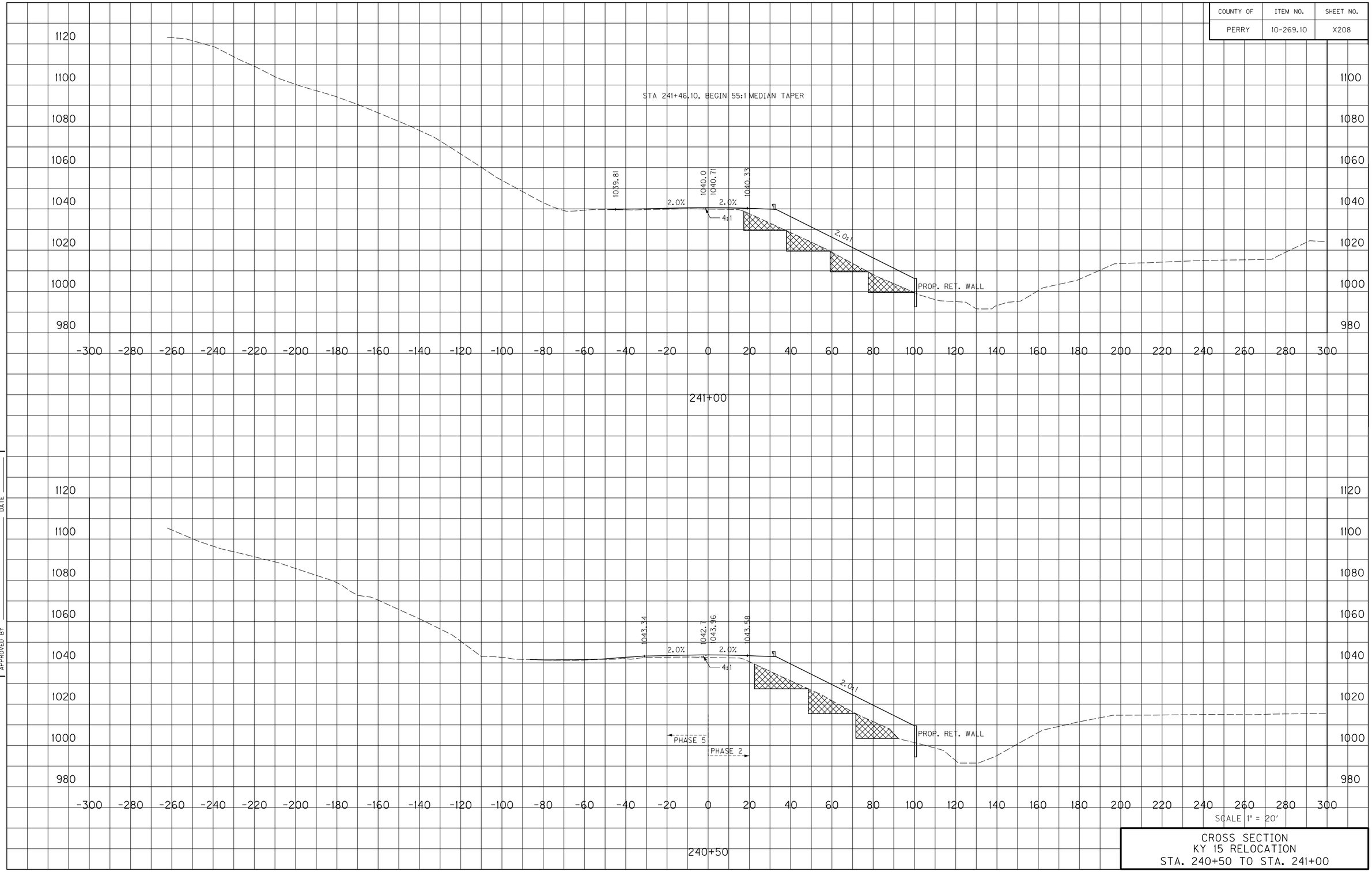
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 239+50 TO STA. 240+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X208



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

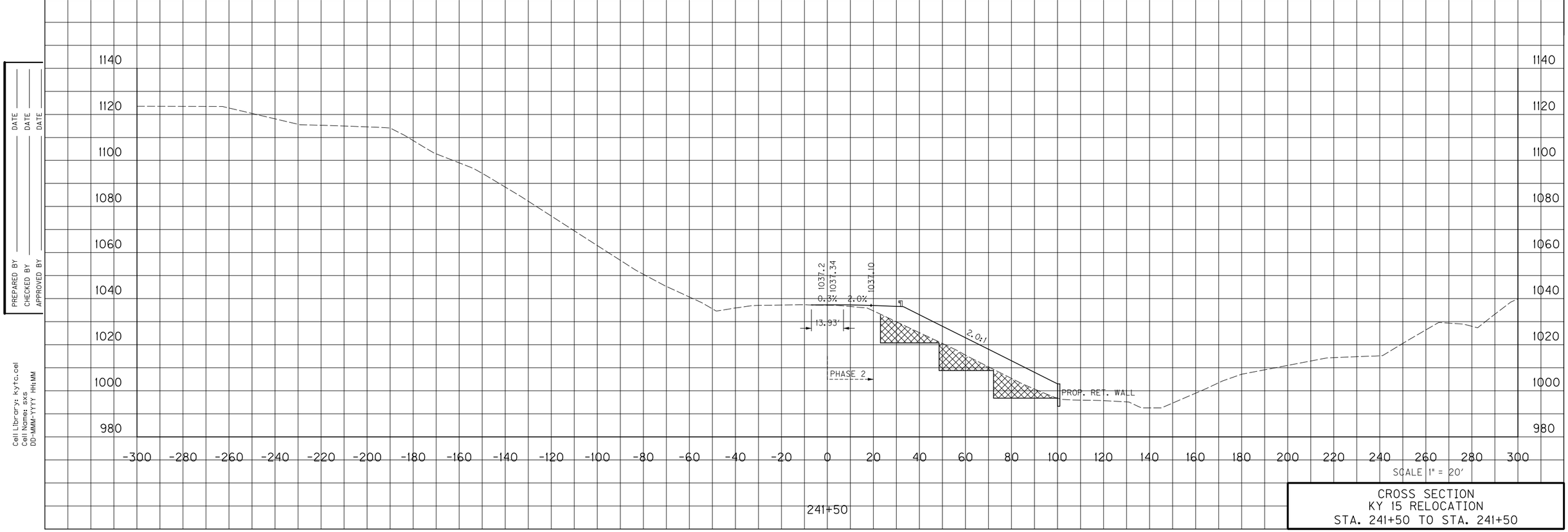
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 240+50 TO STA. 241+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X209

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

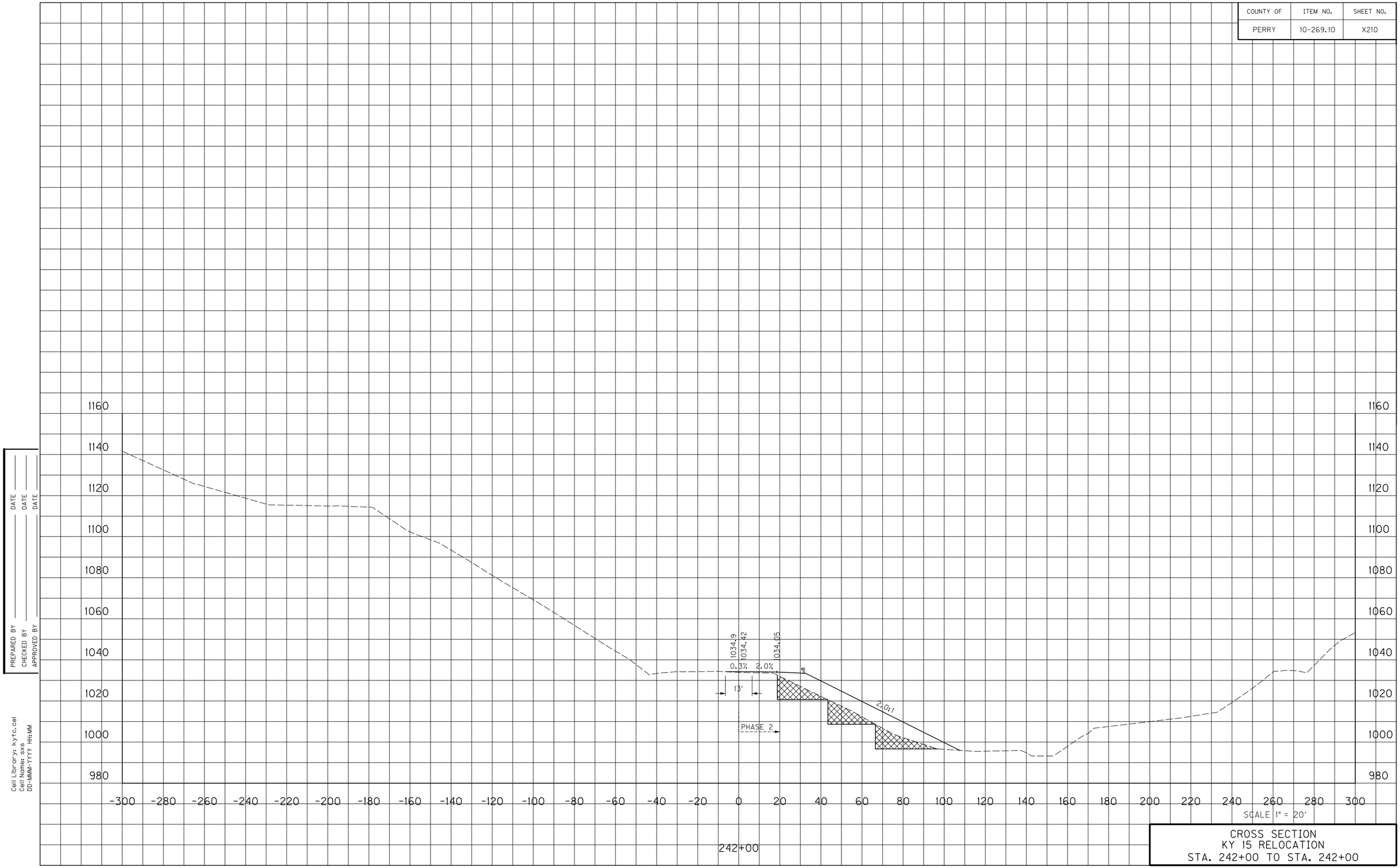
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 241+50 TO STA. 241+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X210



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 242+00 TO STA. 242+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X211

RT. STA. 242+66.67, END 2' F.B. OUTLET
DT. @ 10.38%, ELEV. 993.52

RT. STA. 242+65.84, END 2' F.B. OUTLET
DT. @ 50.00%, BEGIN 2' F.B. OUTLET DT.
@ 10.38%, ELEV. 996.06

RT. STA. 242+59.53, BEGIN 2' F.B. OUTLET
DT. @ 50.00%, ELEV. 1023.70

1031.2
1031.59
1031.23
0.5%
2.0%
12.07'
2.0:1
PHASE 2

1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

242+50

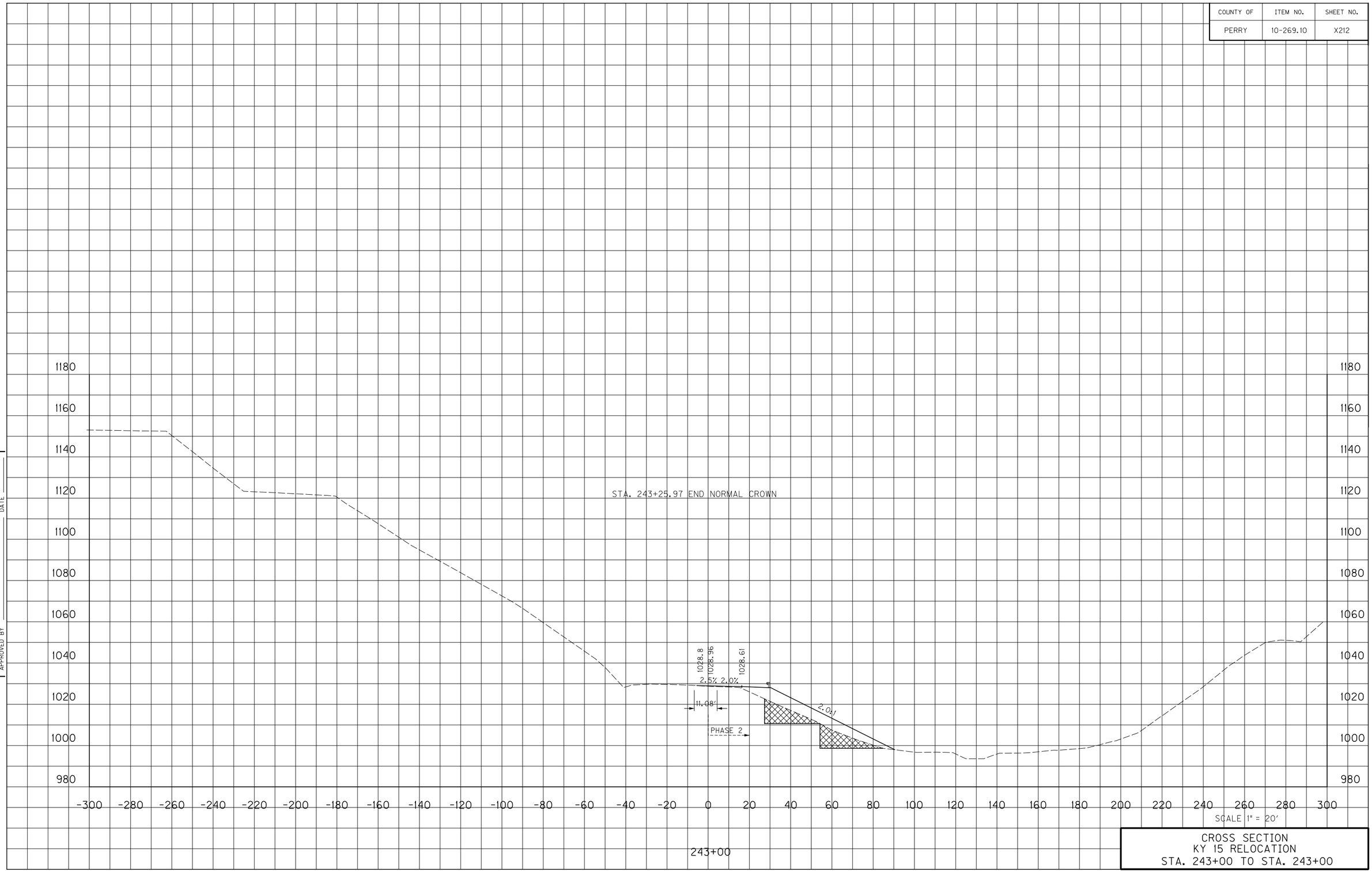
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 242+50 TO STA. 242+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X212



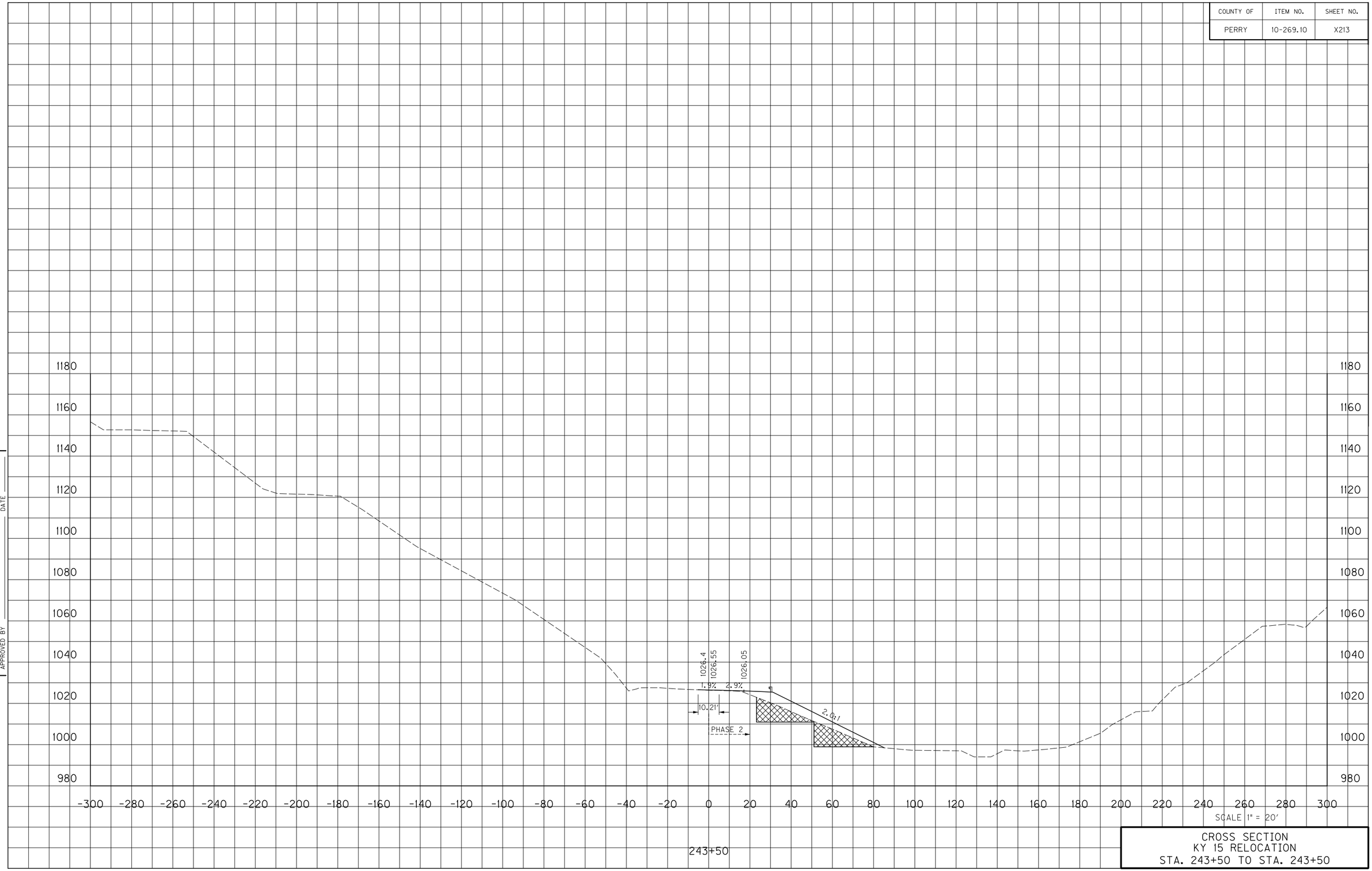
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 243+00 TO STA. 243+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X213



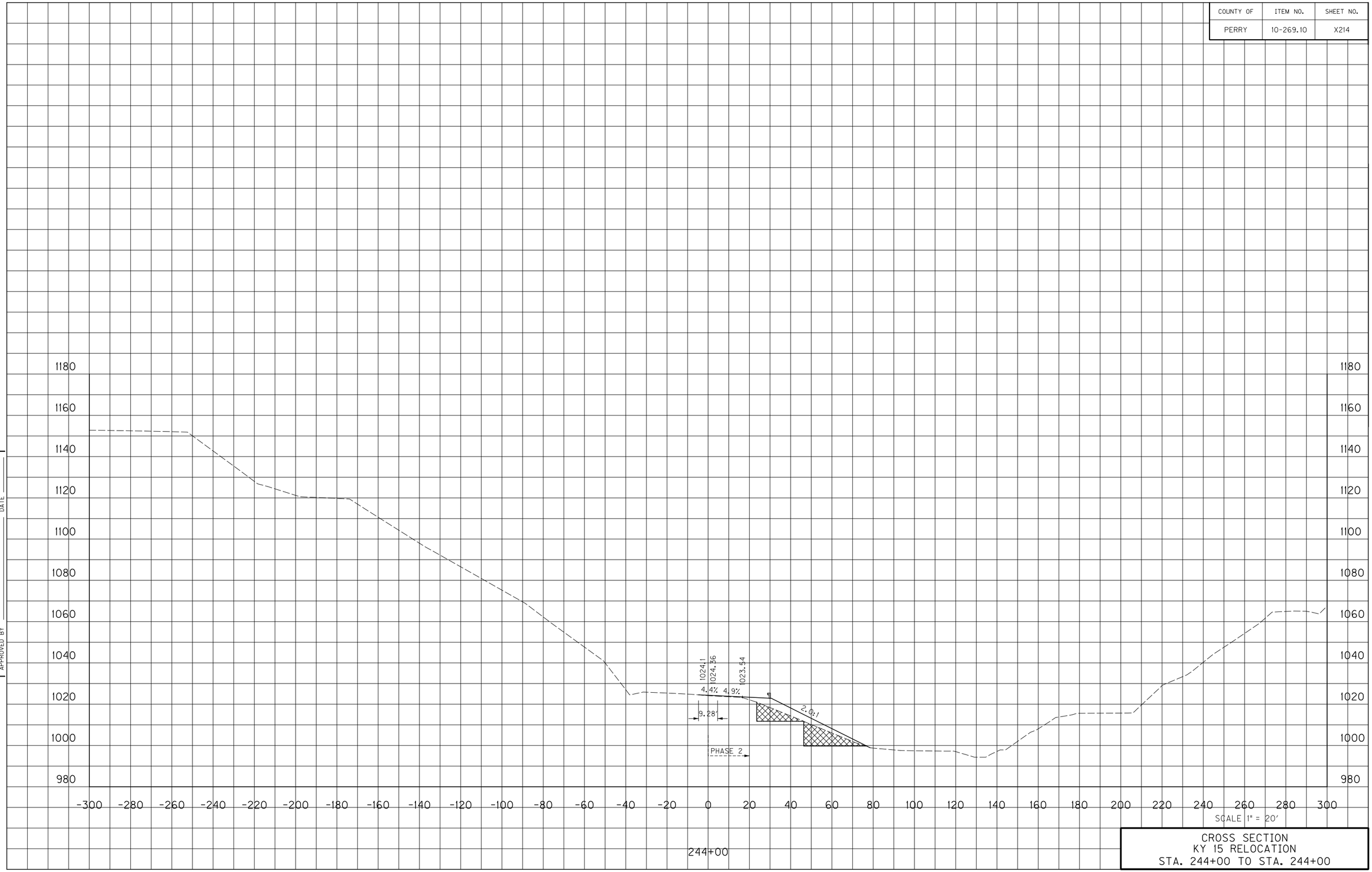
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 243+50 TO STA. 243+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X214



SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 244+00 TO STA. 244+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

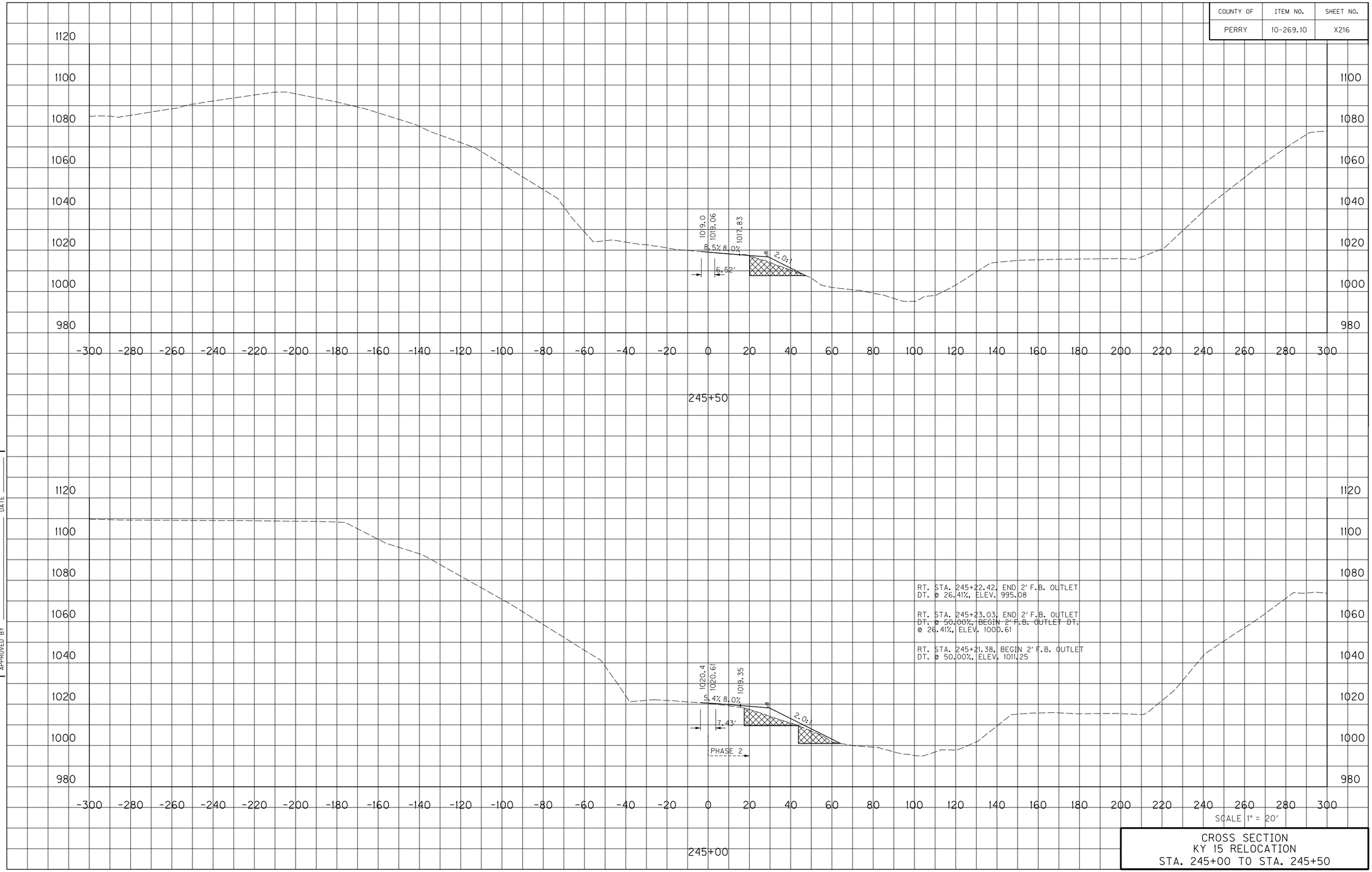
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X215

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 244+50 TO STA. 244+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X216

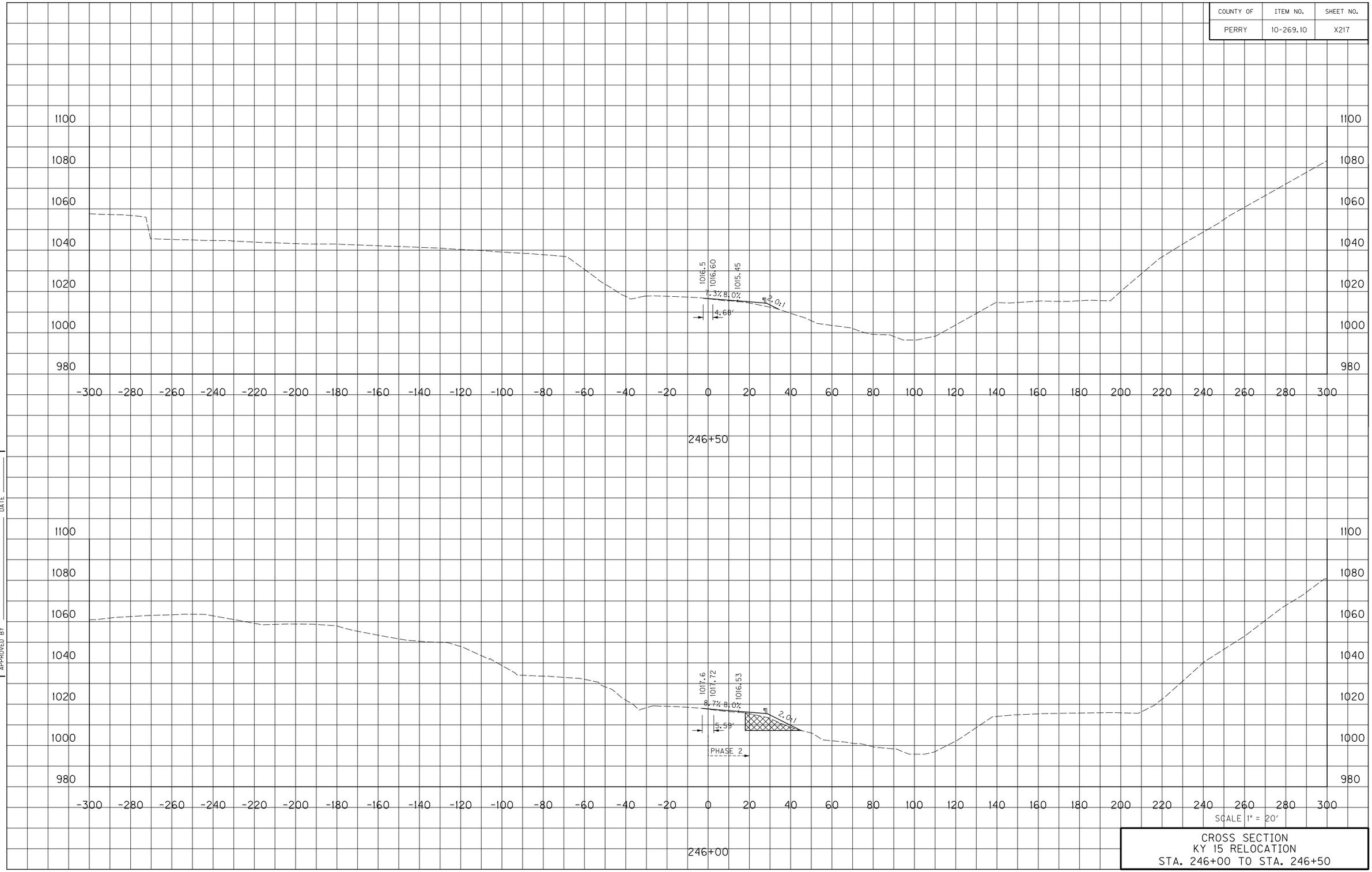


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 245+00 TO STA. 245+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X217



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 246+00 TO STA. 246+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X218

STA. 247+56.85 BEGIN TRANSITION TO MATCH EXISTING SUPERELEVATION

1014.8
1015.00
1013.92
3.4%
8.0%
2.0:1
2.84'

247+50

1015.7
1015.69
1014.57
9.5%
8.0%
2.0:1
3.75'
PHASE 2

247+00

1120 1100 1080 1060 1040 1020 1000 980

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

SCALE 1" = 20'

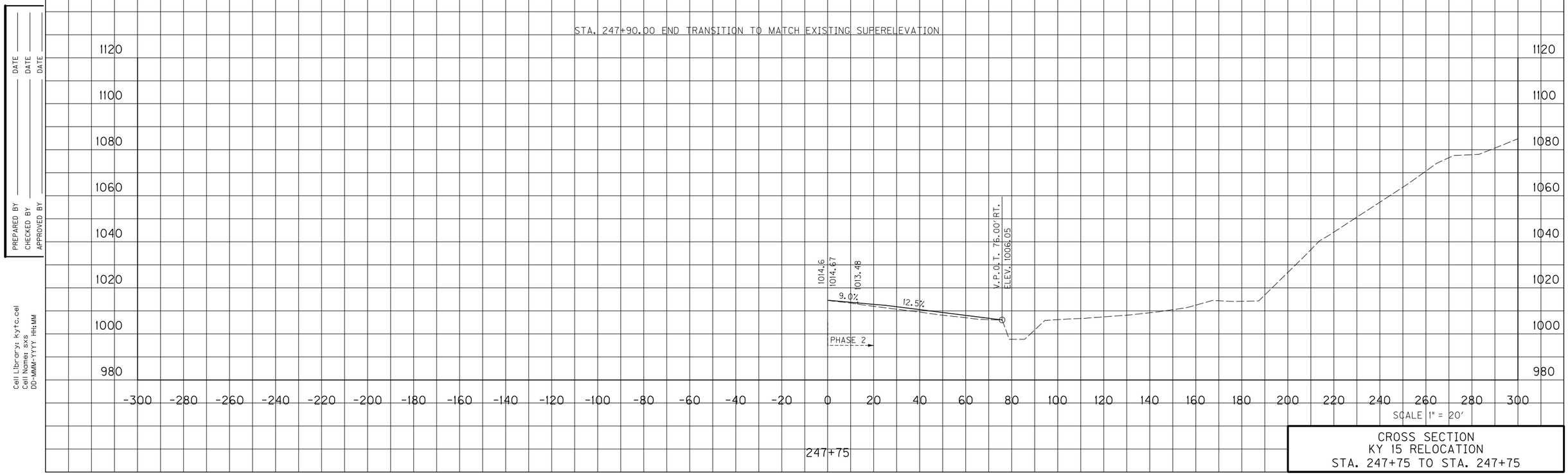
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 15 RELOCATION
STA. 247+00 TO STA. 247+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X219

STA. 247+90.00 END TRANSITION TO MATCH EXISTING SUPERELEVATION



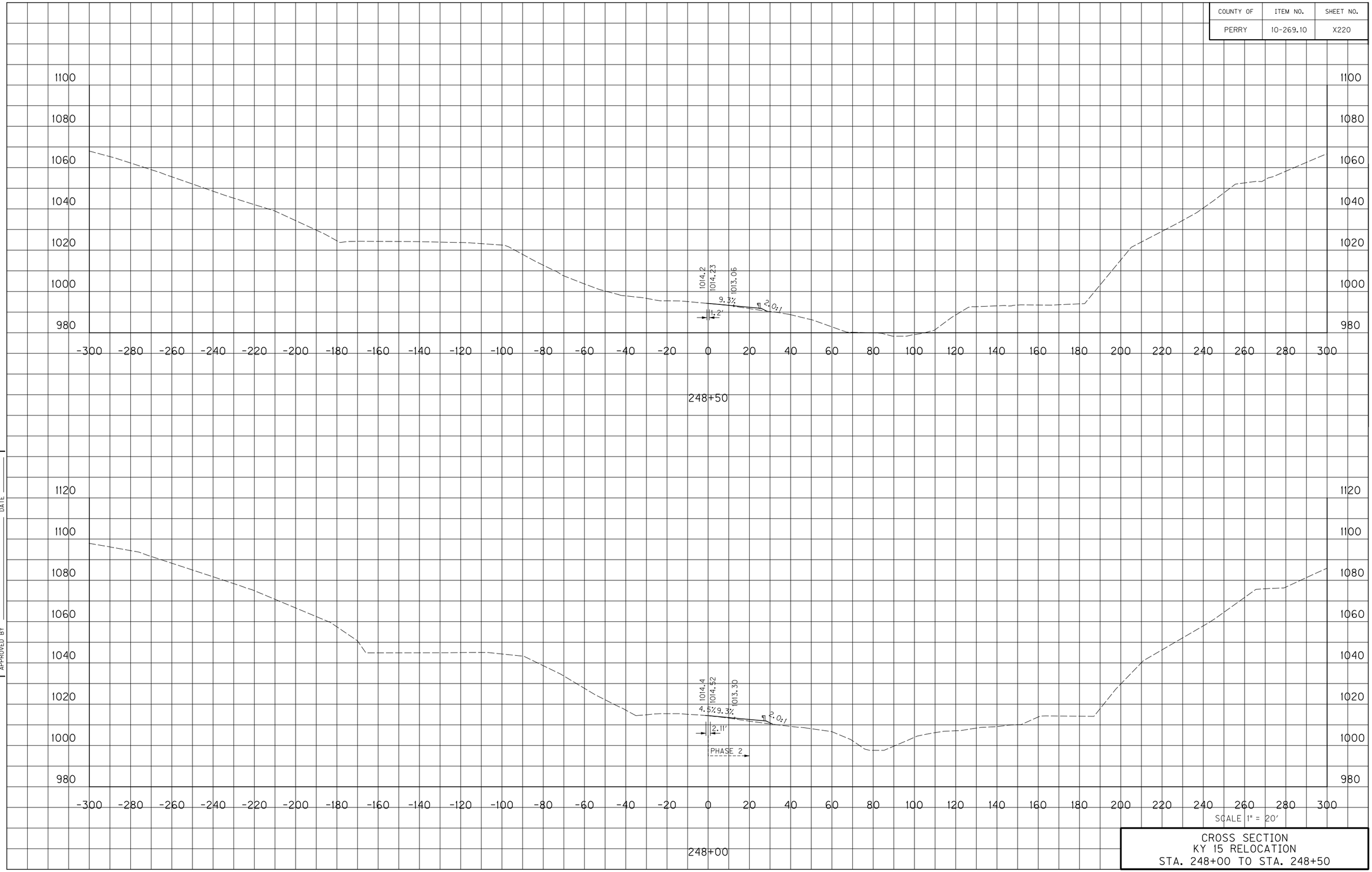
247+75

CROSS SECTION
KY 15 RELOCATION
STA. 247+75 TO STA. 247+75

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X220



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 248+00 TO STA. 248+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X221

STA. 249+6.10 END CONSTRUCTION - TIE TO EXISTING

1013.9
1013.90
1012.78
9.3%
2.0:1

1100 1080 1060 1040 1020 1000 980

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

249+16.10

STA 249+16.10. END 55:1 MEDIAN TAPER

1014.0
1013.98
1012.85
9.3%
2.0:1

PHASE 2

1100 1080 1060 1040 1020 1000 980

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

249+00

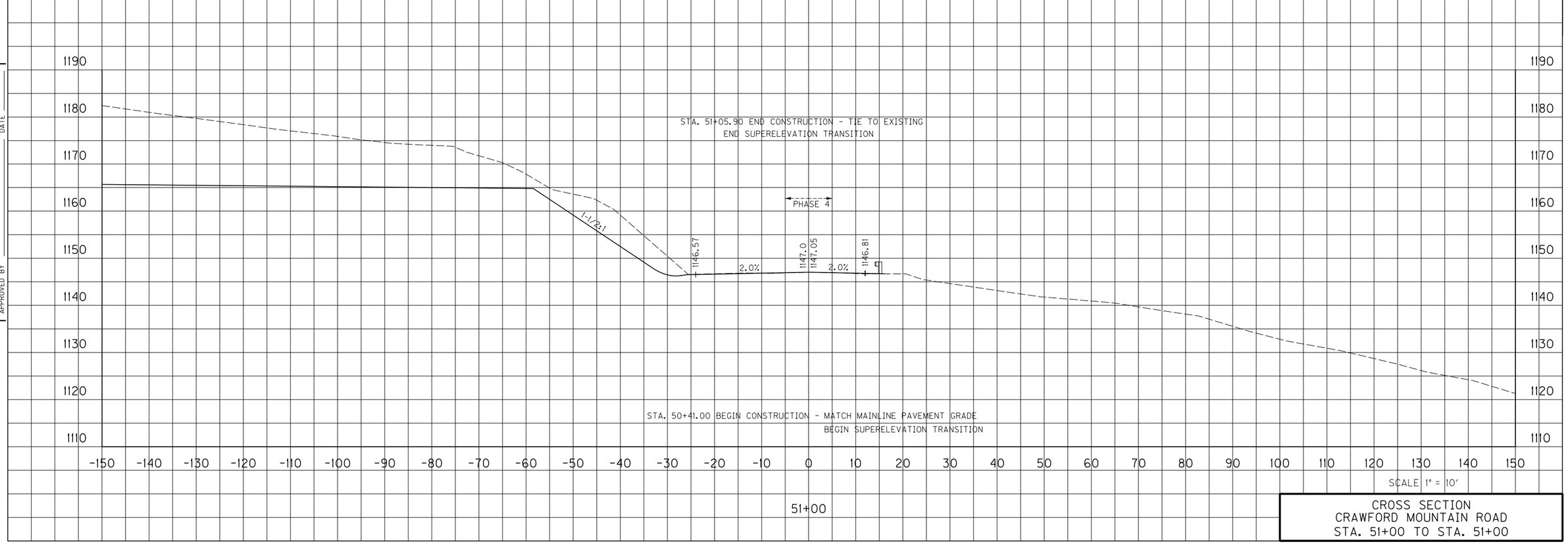
SCALE 1" = 20'

CROSS SECTION
KY 15 RELOCATION
STA. 249+00 TO STA. 249+16.10

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X222

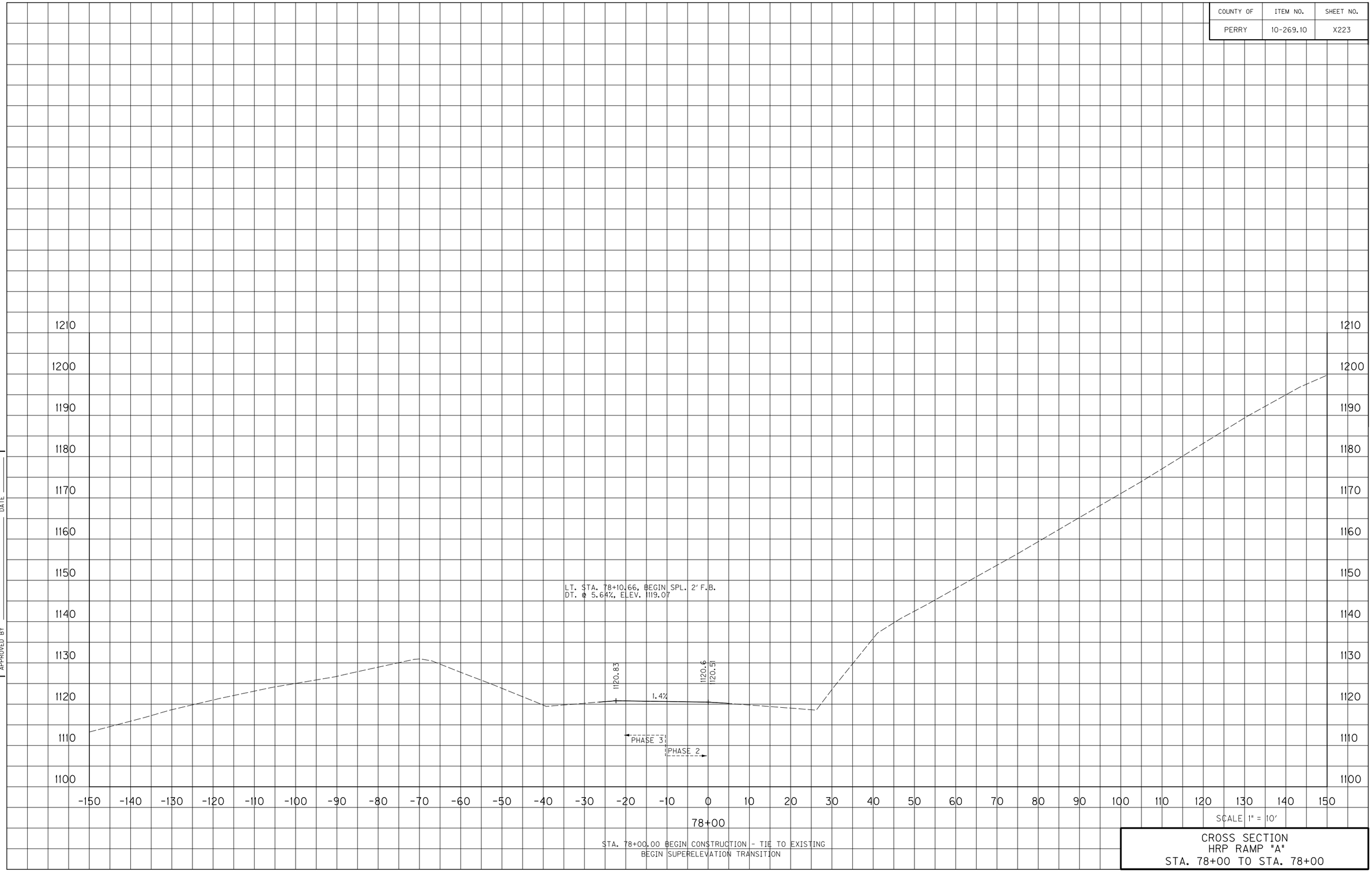


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
CRAWFORD MOUNTAIN ROAD
STA. 51+00 TO STA. 51+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X223

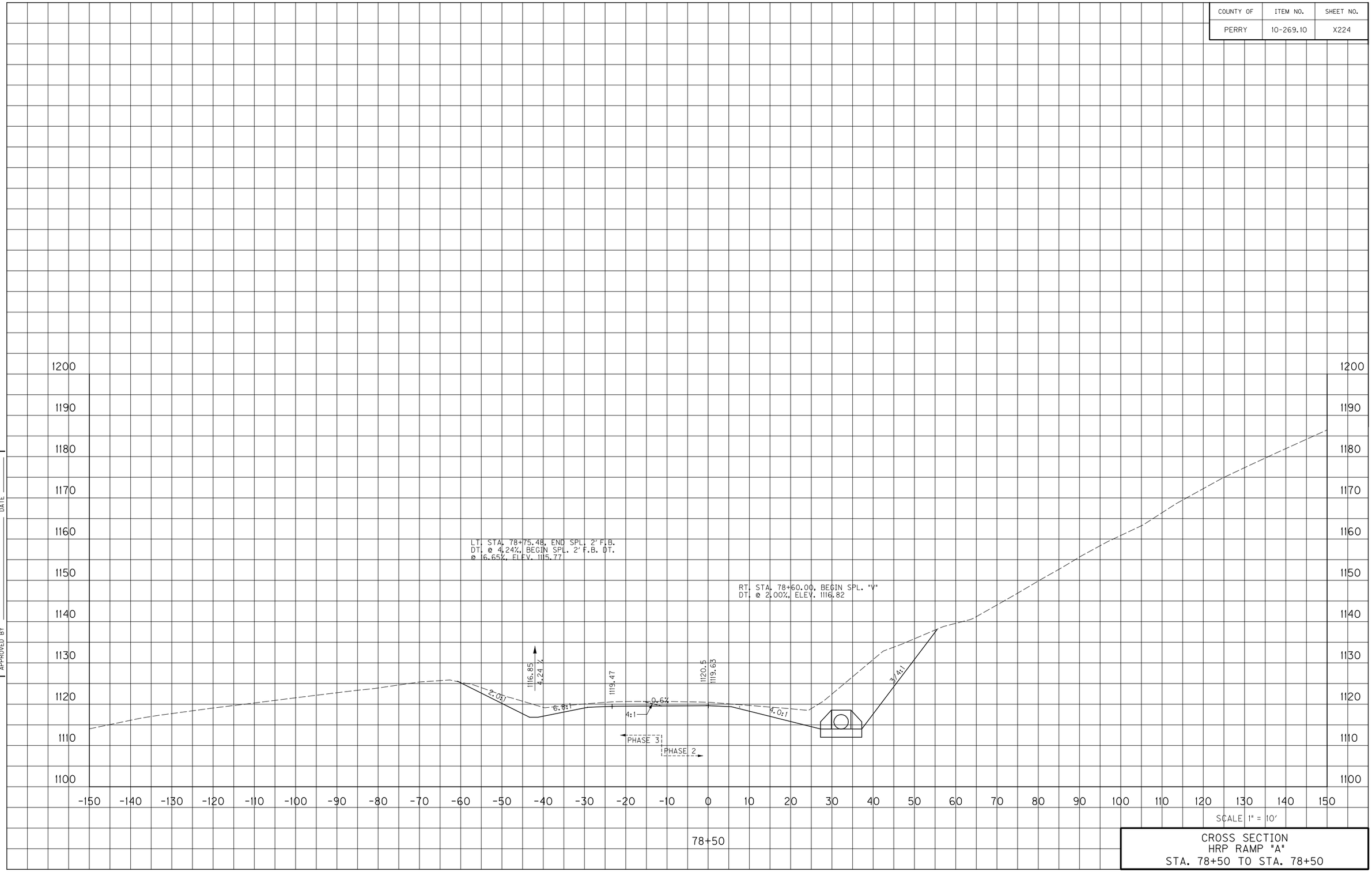


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
HRP RAMP "A"
STA. 78+00 TO STA. 78+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X224



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

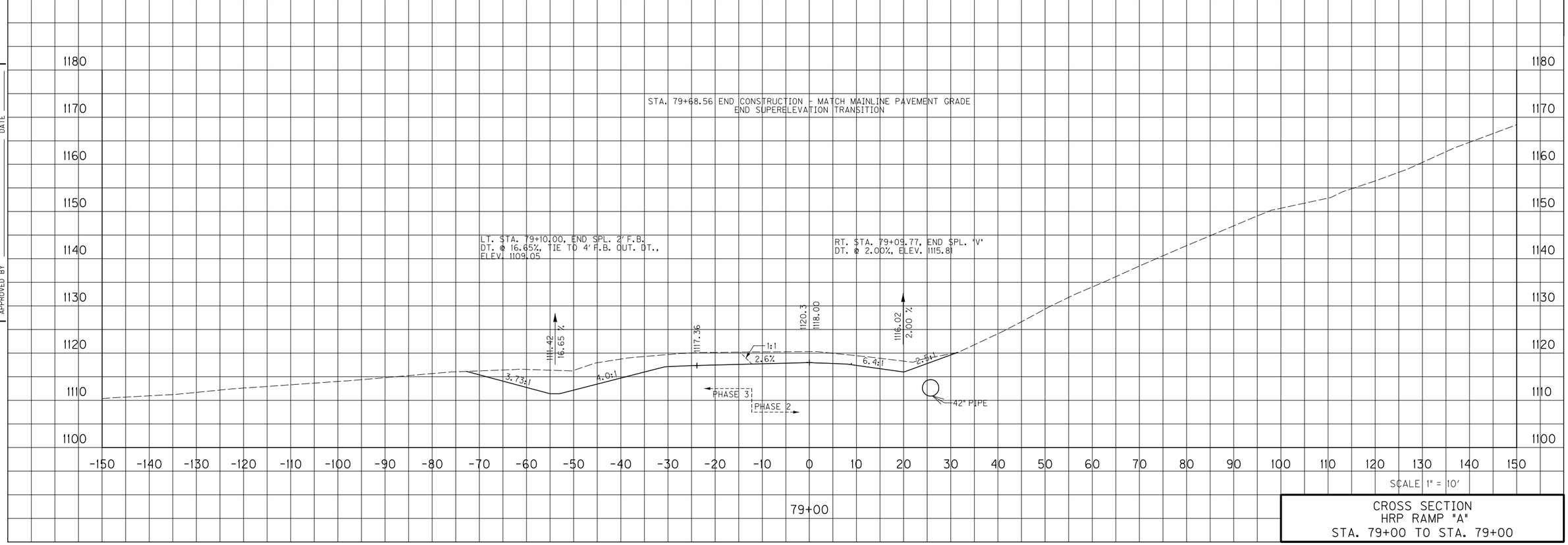
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
HRP RAMP "A"
STA. 78+50 TO STA. 78+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X225

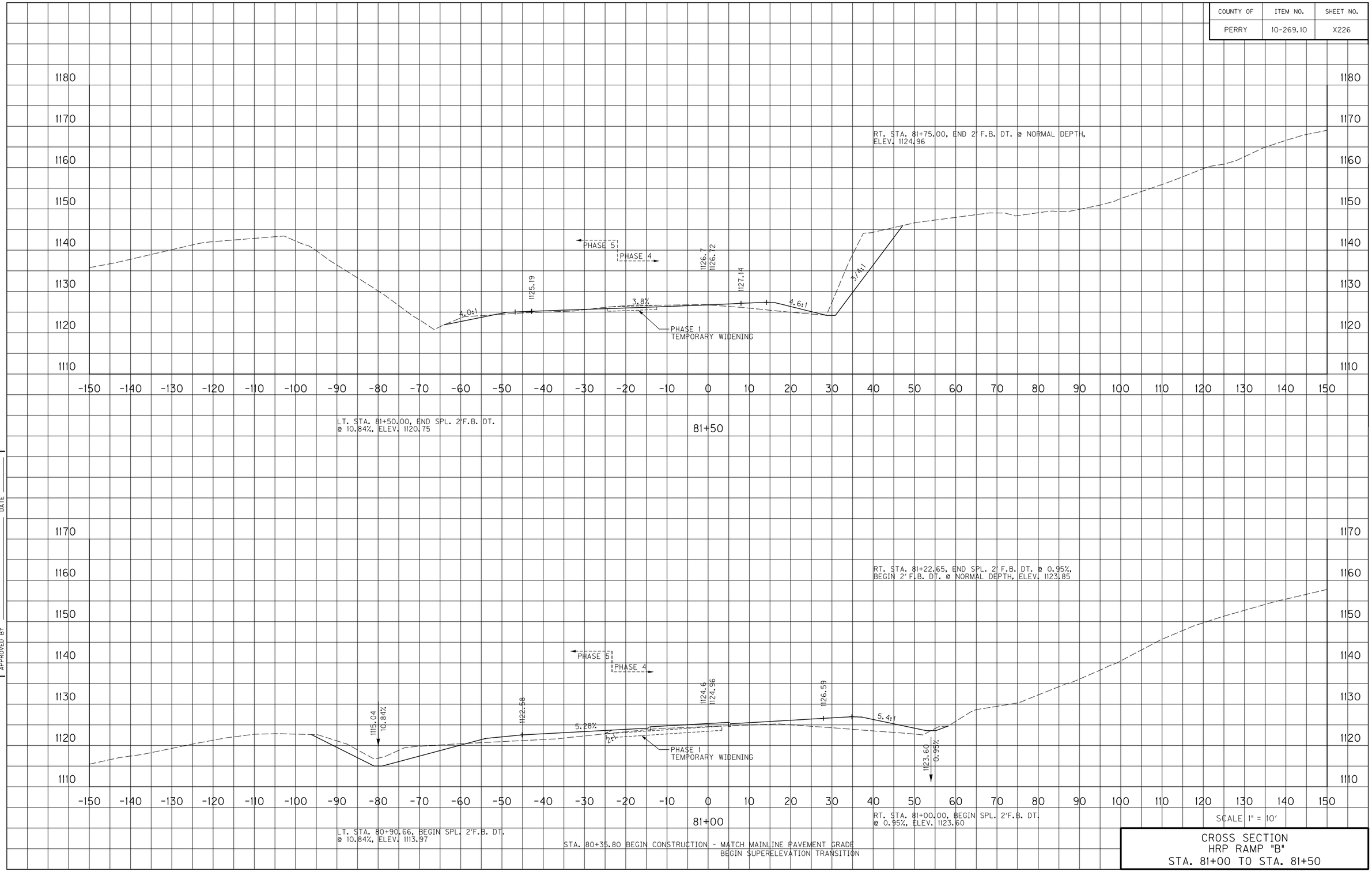
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
10/22/2013



CROSS SECTION
HRP RAMP "A"
STA. 79+00 TO STA. 79+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X226



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

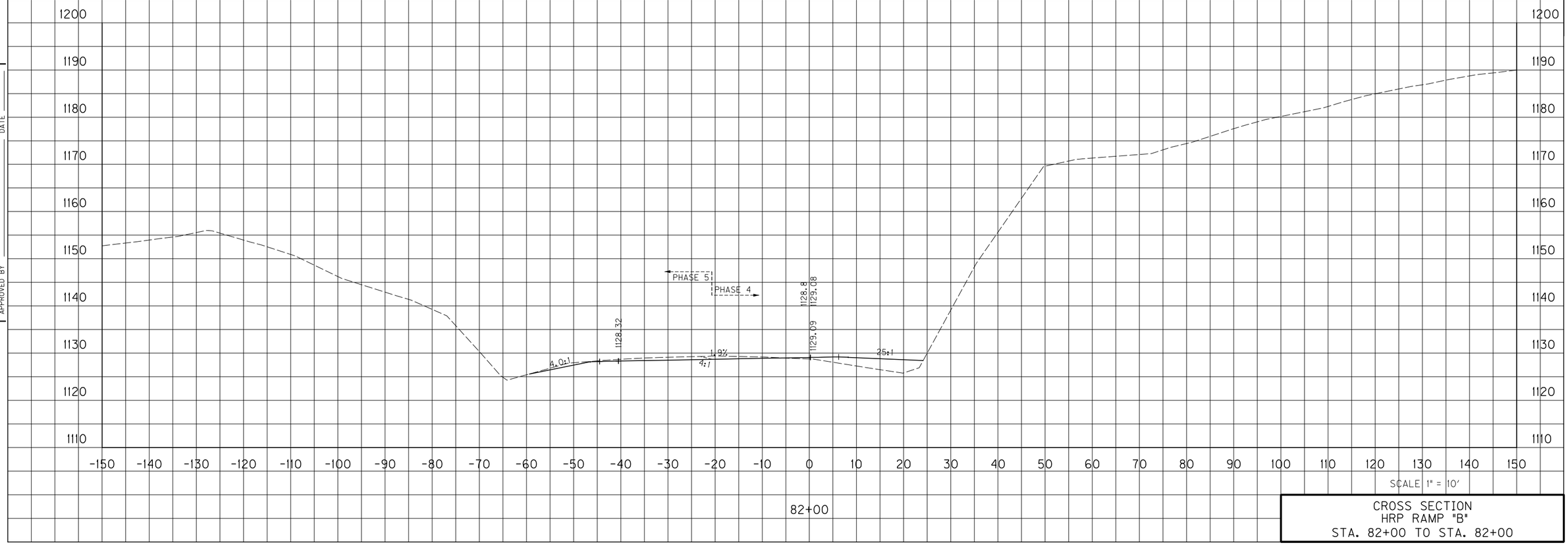
SCALE 1" = 10'

CROSS SECTION
HRP RAMP "B"
STA. 81+00 TO STA. 81+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X227

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

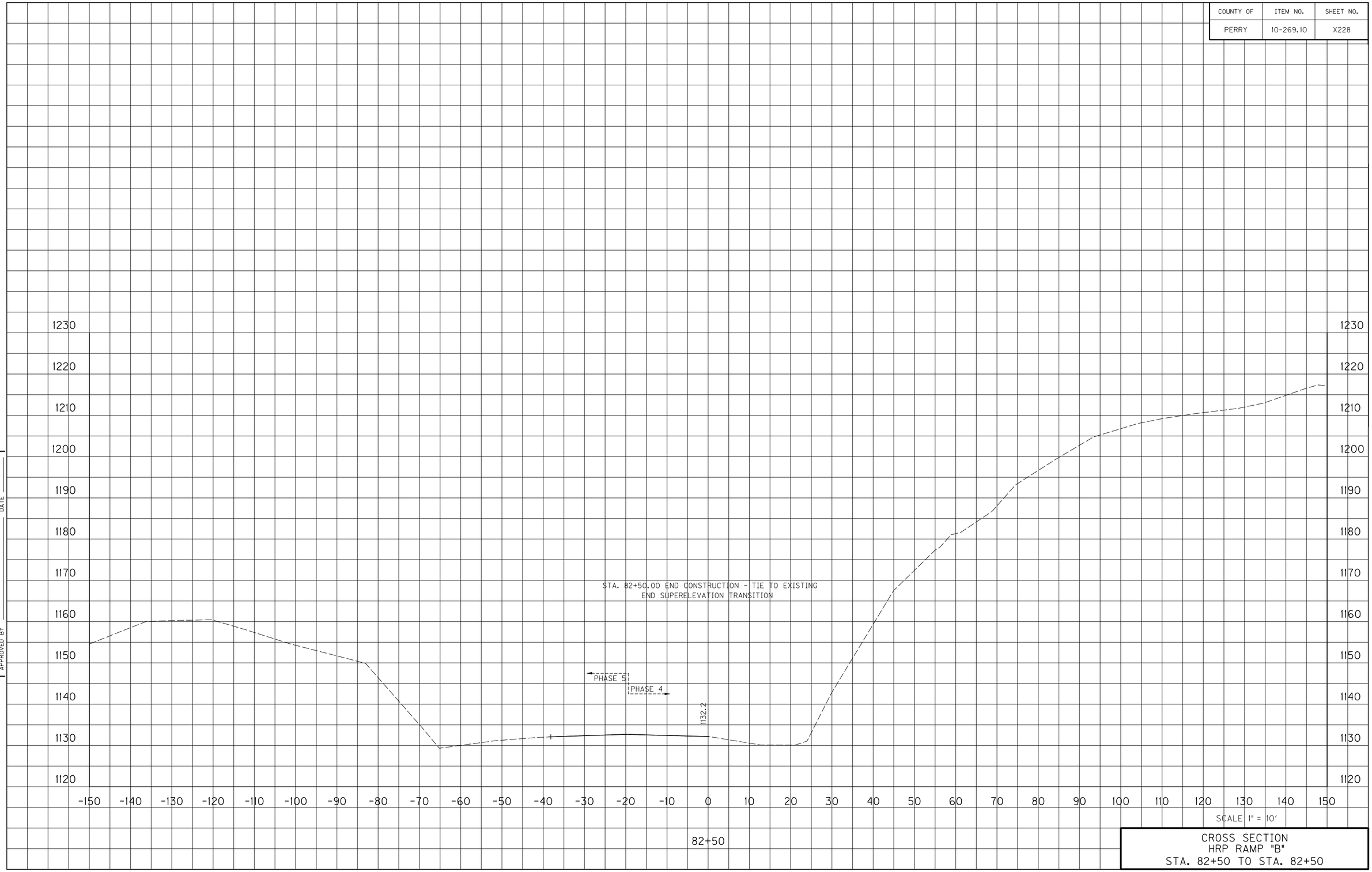
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 10'

CROSS SECTION
HRP RAMP "B"
STA. 82+00 TO STA. 82+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X228



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SCALE 1" = 10'

CROSS SECTION
HRP RAMP "B"
STA. 82+50 TO STA. 82+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X229

RT. STA. 73+60.28, BEGIN 2' F.B. DT.
@ NORMAL DEPTH, ELEV. 1091.31

PHASE 3

1099.77

1098.1

1098.10

PHASE 1
TEMP. PVMT.

73+50 (RAMP D)

PHASE 3

1099.0

PHASE 1
TEMP. PVMT.

73+37.08 (RAMP D)

HRP RAMP "D" STA. 73+37.08 BEGIN CONSTRUCTION - TIE TO EXISTING
BEGIN FULL SUPERELEVATION

SCALE 1" = 10'

CROSS SECTION
HRP RAMPS C&D
STA. 73+37 TO STA. 73+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X230

HRP RAMP "C" STA. 74+36.02 BEGIN CONSTRUCTION - TIE TO EXISTING
BEGIN SUPERELEVATION TRANSITION

PHASE 4
PHASE 3
1092.99
1090.7
1090.77
PHASE 1
TEMP. PVMT.
PHASE 1
TEMP. PVMT.
1/2:1
15' IB
1012.0
1/2:1

74+50 (RAMP D)

PHASE 4
PHASE 3
1096.38
1094.5
1094.66
1094.43
PHASE 1
TEMP. PVMT.
PHASE 1
TEMP. PVMT.
1/2:1

74+00 (RAMP D)

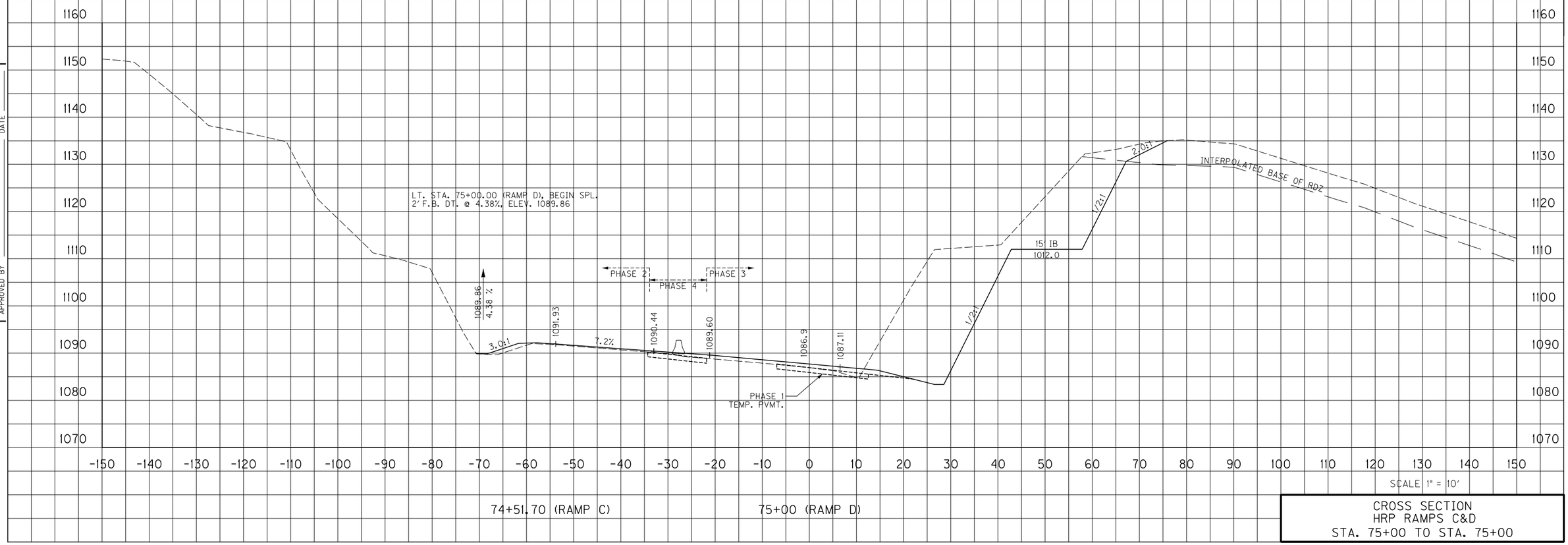
SCALE 1" = 10'

CROSS SECTION
HRP RAMPS C&D
STA. 74+00 TO STA. 74+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X231



SCALE 1" = 10'

CROSS SECTION
HRP RAMPS C&D
STA. 75+00 TO STA. 75+00

PREPARED BY _____ DATE _____
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APPROVED BY _____ DATE _____

Cell Library: kytc.cel
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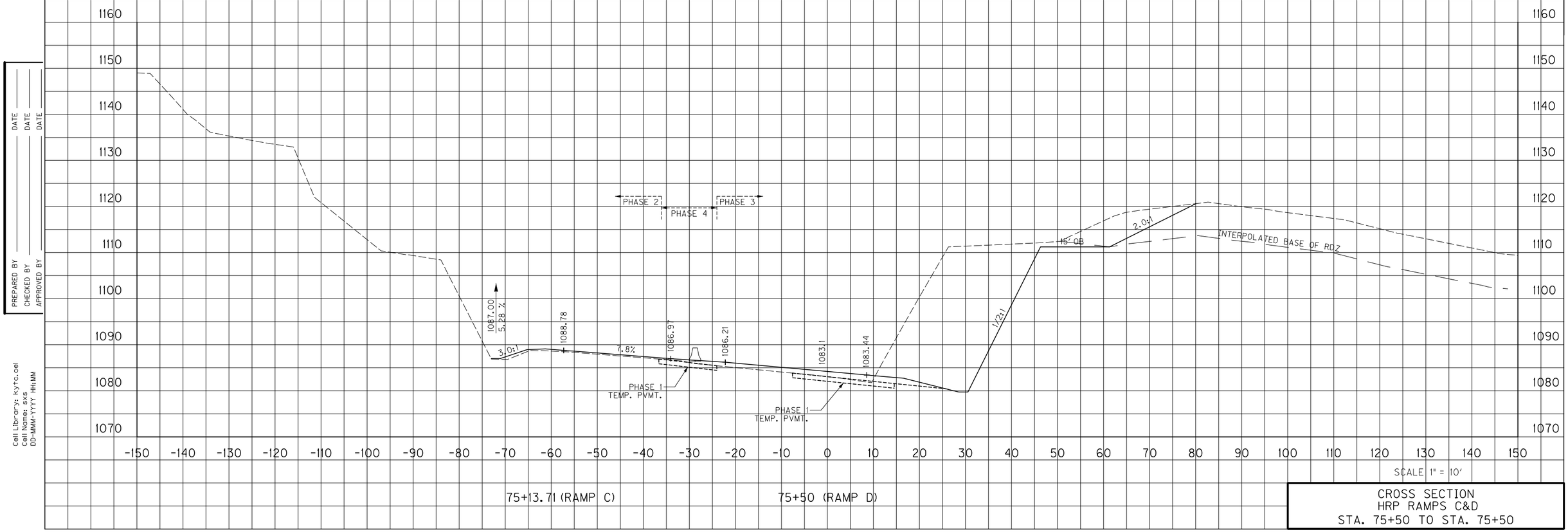
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X232



PREPARED BY ____ DATE ____
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SCALE 1" = 10'

CROSS SECTION
HRP RAMPS C&D
STA. 75+50 TO STA. 75+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X233

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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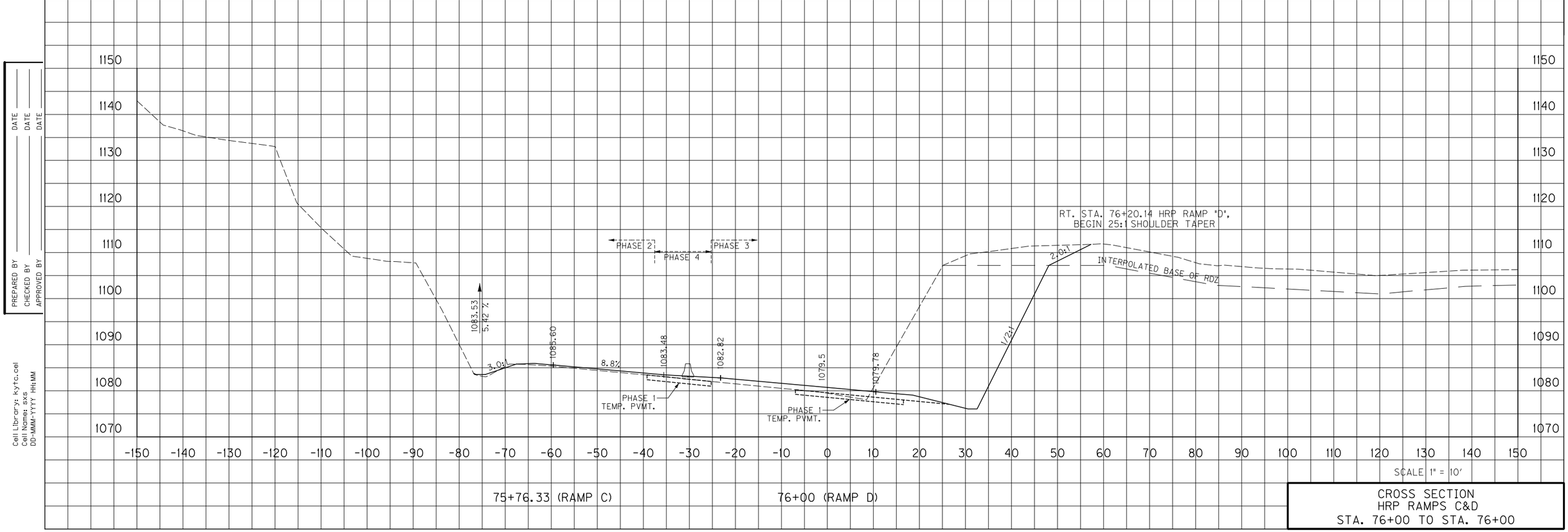
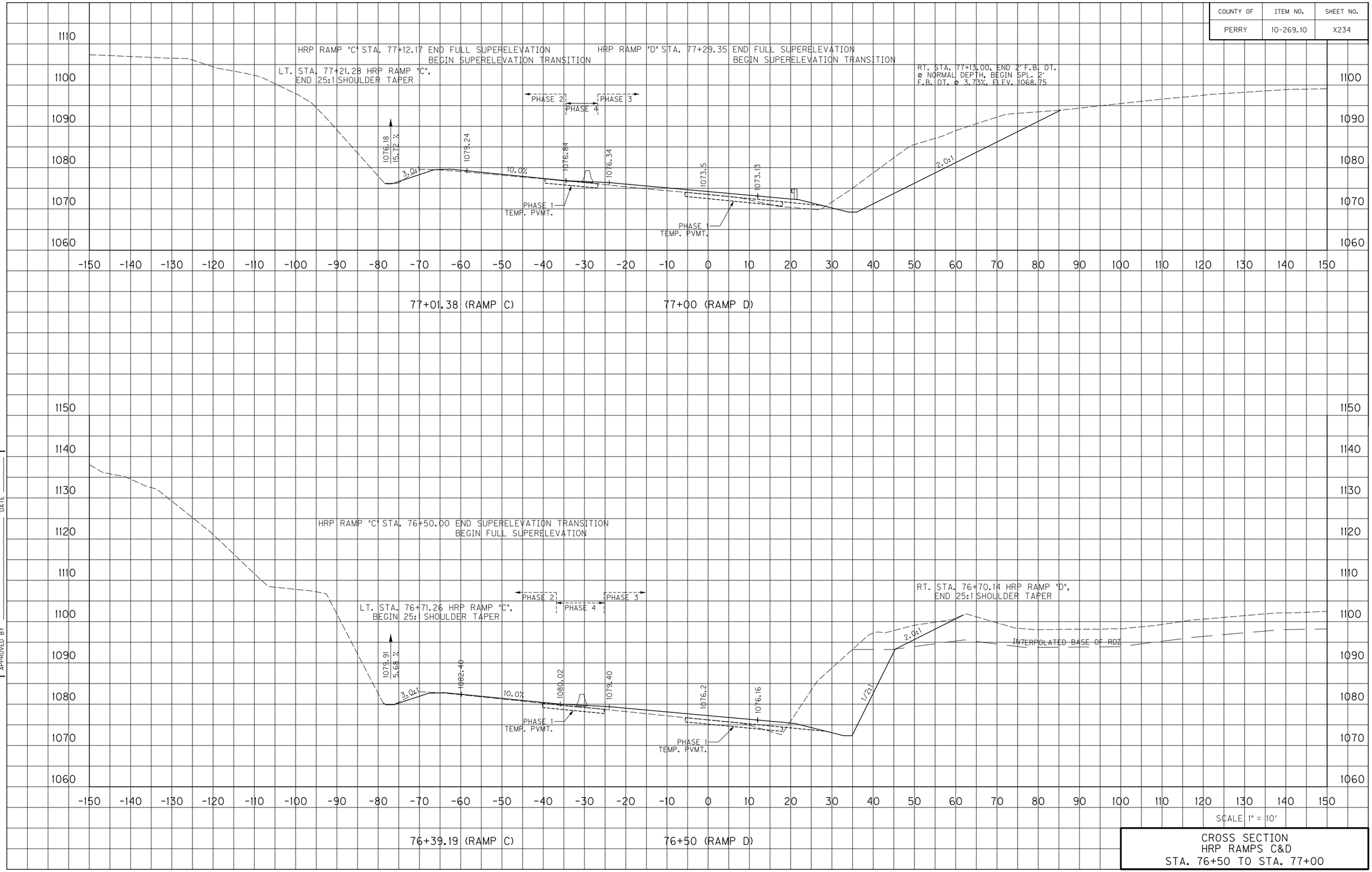


SCALE 1" = 10'

CROSS SECTION
HRP RAMPS C&D
STA. 76+00 TO STA. 76+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X234

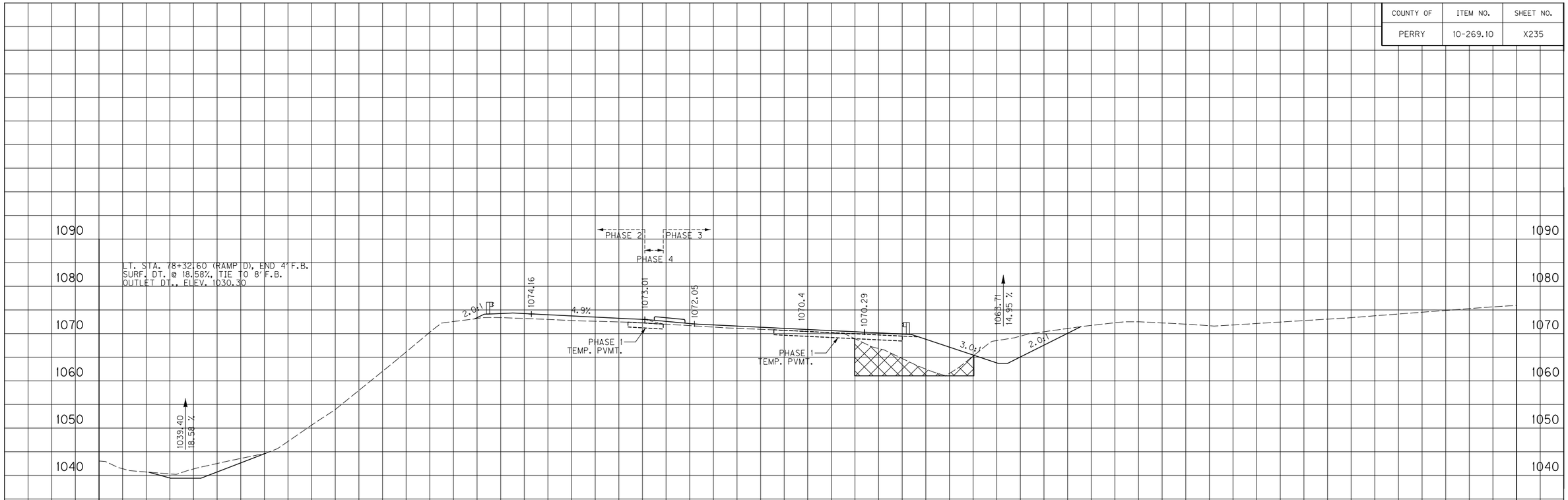


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
HRP RAMPS C&D
STA. 76+50 TO STA. 77+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X235



PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

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Cell Name: sxs
DD-MMM-YYYY HH:MM

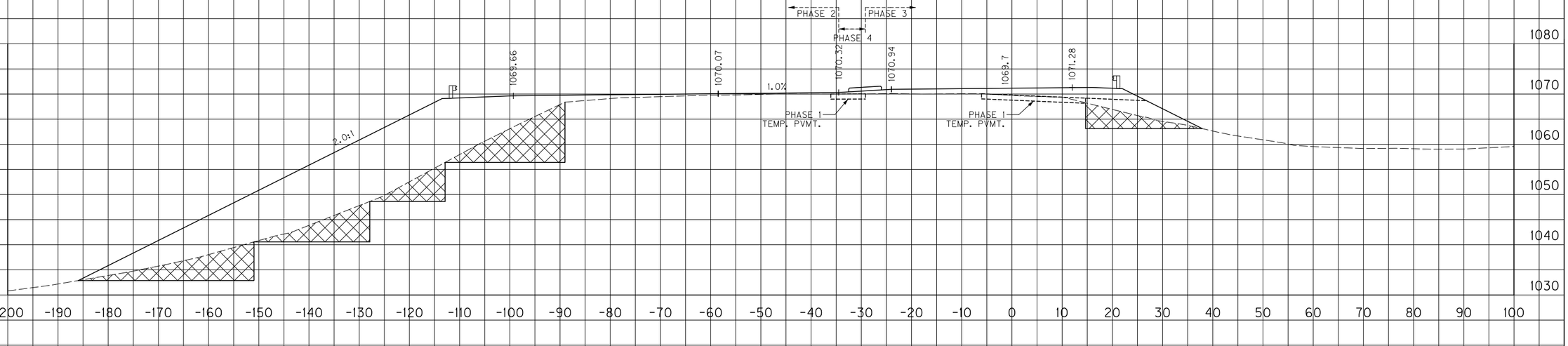
SCALE 1" = 10'

CROSS SECTION
HRP RAMPS C&D
STA. 77+50 TO STA. 78+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X236

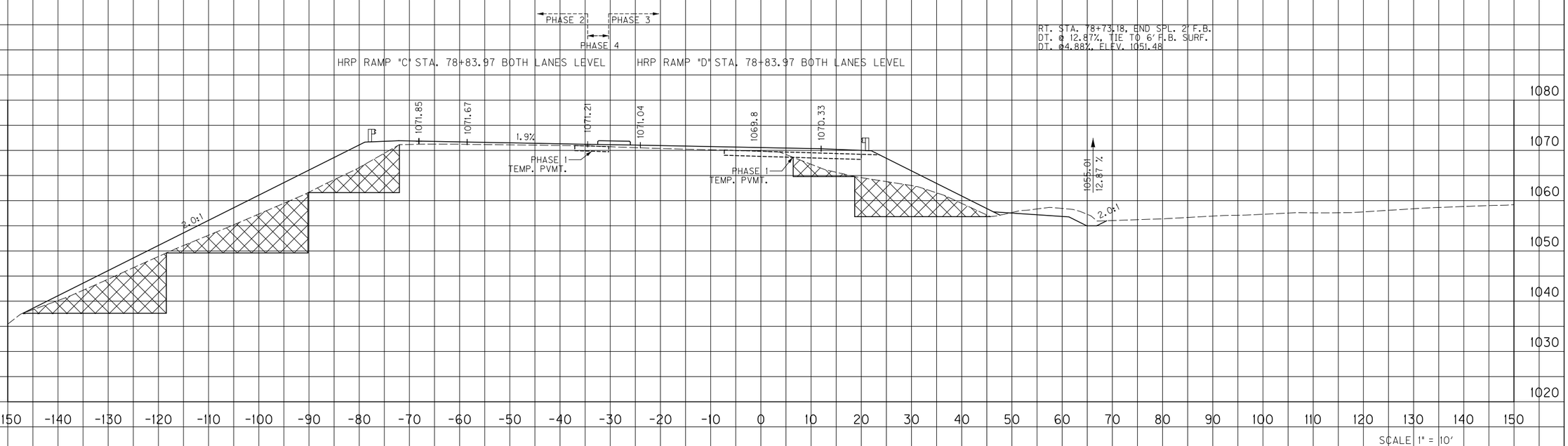
HRP RAMP "C" STA. 79+63.00 - END CONSTRUCTION
MATCH MAINLINE PAVEMENT GRADE
END SUPERELEVATION TRANSITION

HRP RAMP "D" STA. 79+63.00 - END CONSTRUCTION
MATCH MAINLINE PAVEMENT GRADE
END SUPERELEVATION TRANSITION



79+01.38 (RAMP C)

79+00 (RAMP D)



78+51.38 (RAMP C)

78+50 (RAMP D)

SCALE 1" = 10'

CROSS SECTION
HRP RAMPS C&D
STA. 78+50 TO STA. 79+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

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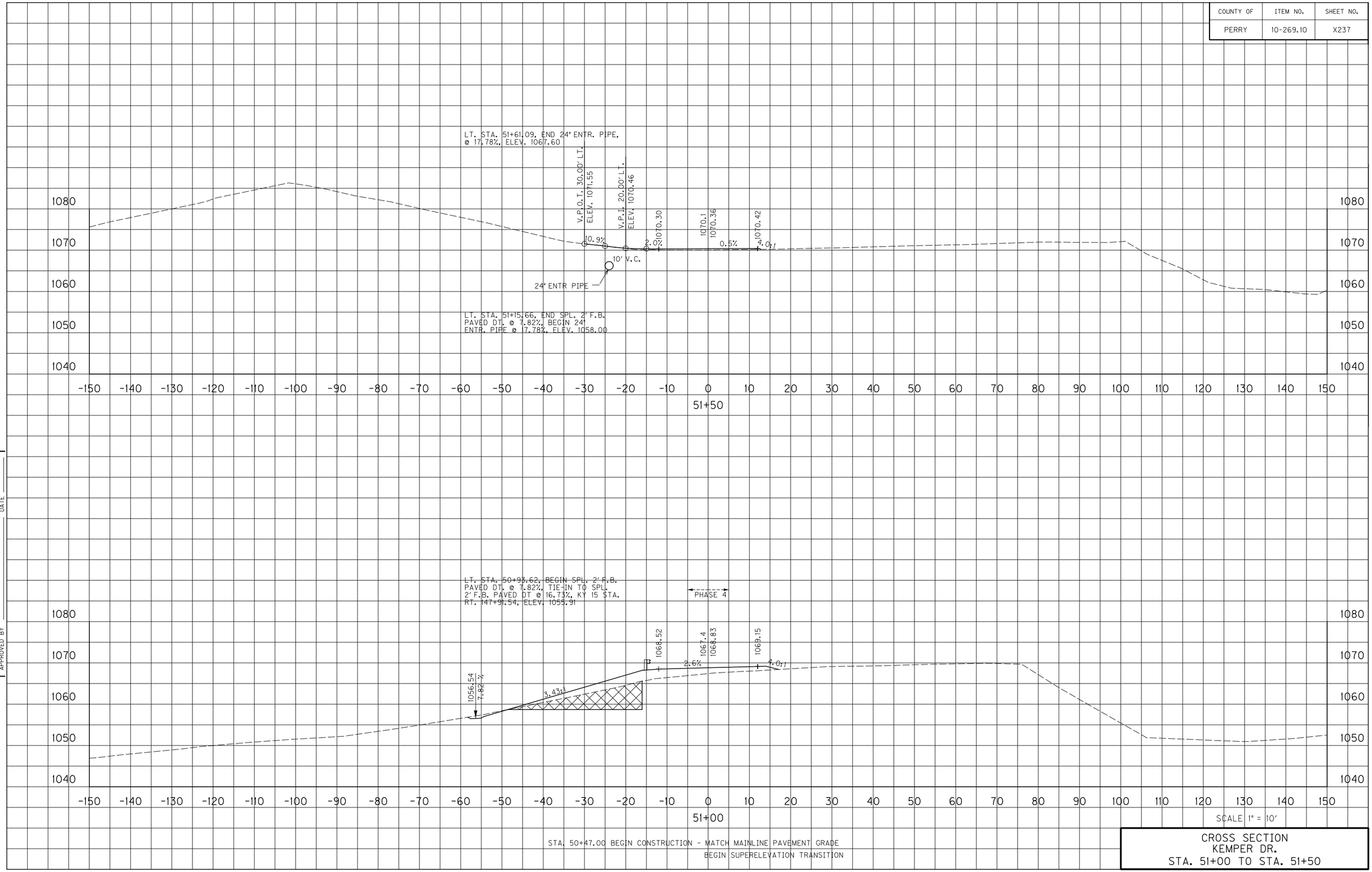
10/17/2013

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X237



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Cell Name: sxs
DD-MMM-YYYY HH:MM

STA. 50+47.00 BEGIN CONSTRUCTION - MATCH MAINLINE PAVEMENT GRADE
BEGIN SUPERELEVATION TRANSITION

CROSS SECTION
KEMPER DR.
STA. 51+00 TO STA. 51+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X238

STA. 51+55.00 END CONSTRUCTION - TIE TO EXISTING
END SUPERELEVATION TRANSITION

PHASE 4

1070.5

1100
1090
1080
1070
1060
1050

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

51+55

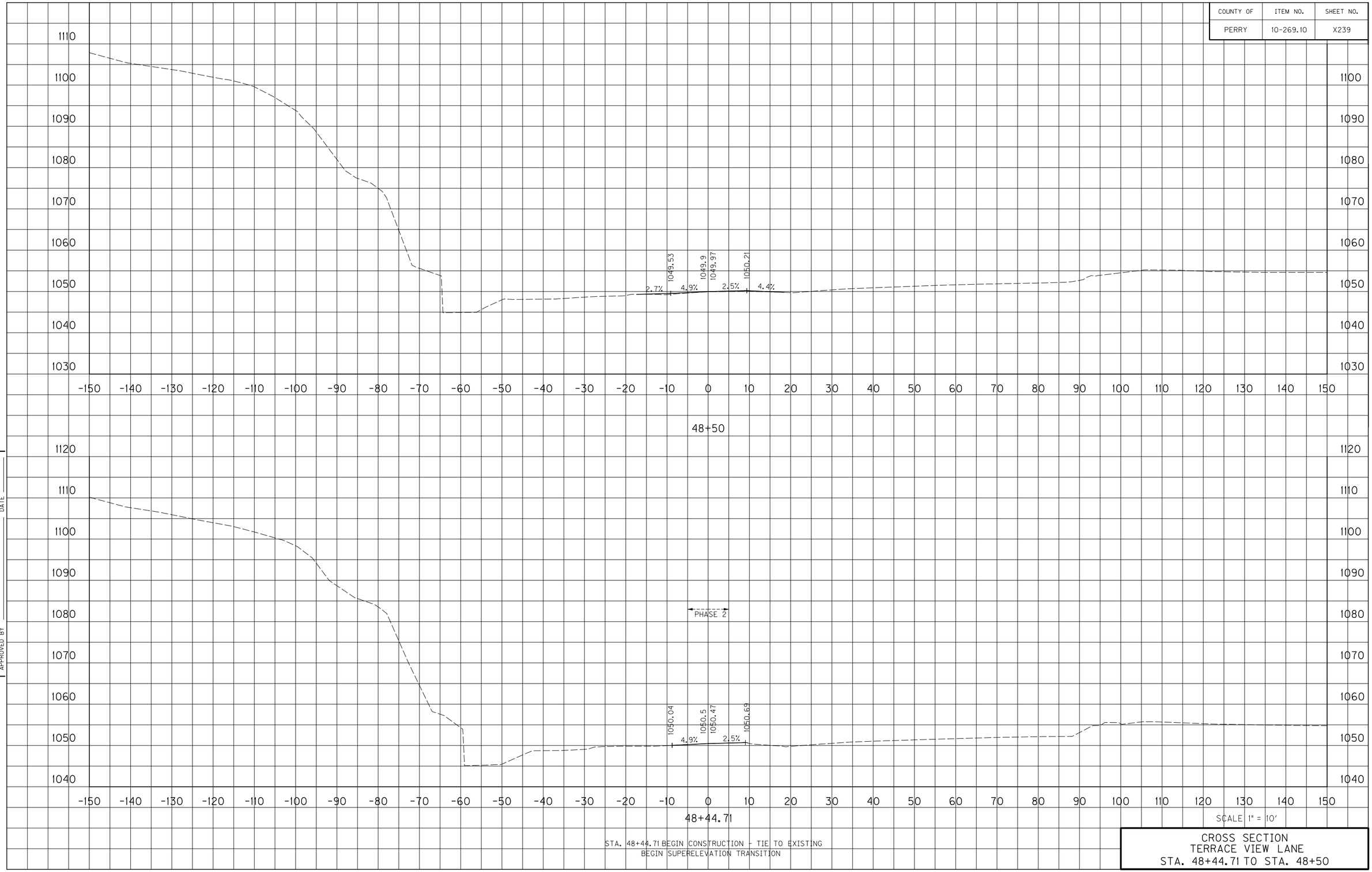
SCALE 1" = 10'

CROSS SECTION
KEMPER DR.
STA. 51+55 TO STA. 51+55

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X239



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

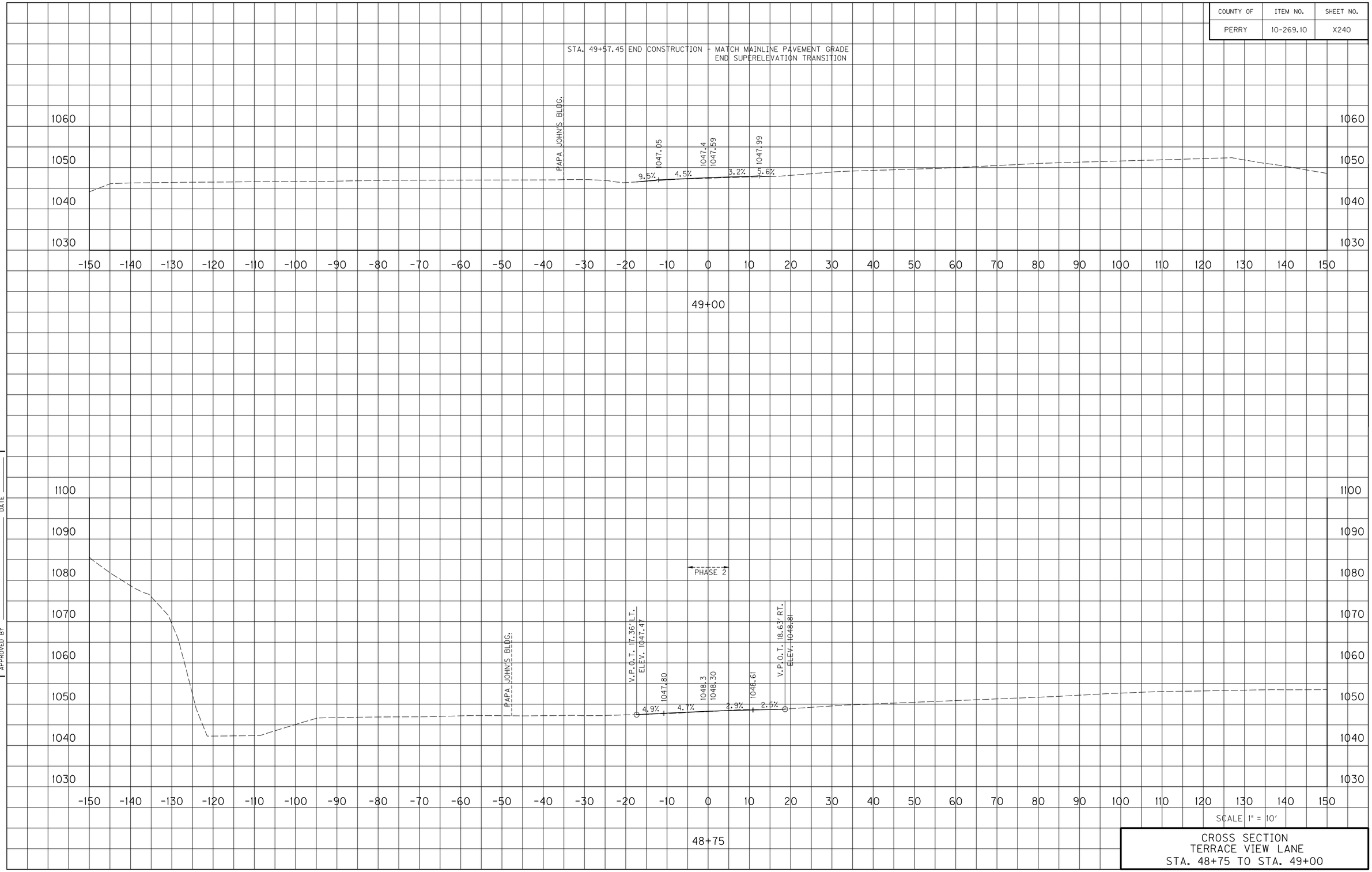
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

STA. 48+44.71 BEGIN CONSTRUCTION - TIE TO EXISTING
BEGIN SUPERELEVATION TRANSITION

SCALE 1" = 10'

CROSS SECTION
TERRACE VIEW LANE
STA. 48+44.71 TO STA. 48+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X240



SCALE 1" = 10'

CROSS SECTION
TERRACE VIEW LANE
STA. 48+75 TO STA. 49+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X241

STA. 50+90.00 END CONSTRUCTION - TIE TO EXISTING
END SUPERELEVATION TRANSITION

PHASE 4

995.1

1010
1000
990
980
970
960
950
940

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

50+90

SCALE 1" = 10'

STA. 50+41.00 BEGIN CONSTRUCTION - MATCH MAINLINE PAVEMENT GRADE
BEGIN SUPERELEVATION TRANSITION

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

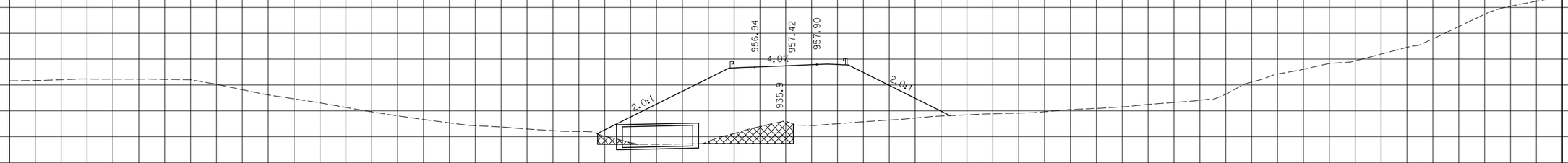
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
CRAWFORD VALLEY RD.
STA. 50+90 TO STA. 50+90

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X242

LT. STA 51+83, BEGIN 25:1 SHOULDER TAPER

RT. STA 51+76, END 25: SHOULDER TAPER



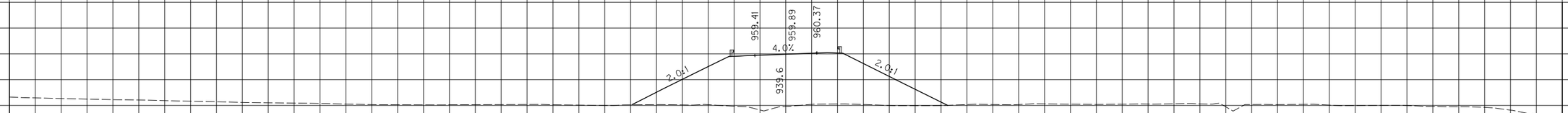
1000 980 960 940 920 900

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

51+50

RT. STA 51+26, BEGIN 25:1 SHOULDER TAPER

PHASE 1



980 960 940 920

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

51+00

STA. 50+41 FULL SUPERELEVATION
STA. 50+41 BEGIN CONSTRUCTION - MATCH MAINLINE PAVEMENT GRADE

SCALE 1" = 20'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 51+00 TO STA. 51+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X243

LT. STA. 52+33, END 25:1 SHOULDER TAPER

PHASE 1

954.46
955.3
954.94
955.42

4.0%
4.0%

2.0:1
1.75:1

INTERPOLATED RDZ

1040
1020
1000
980
960
940
920
900

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

52+00

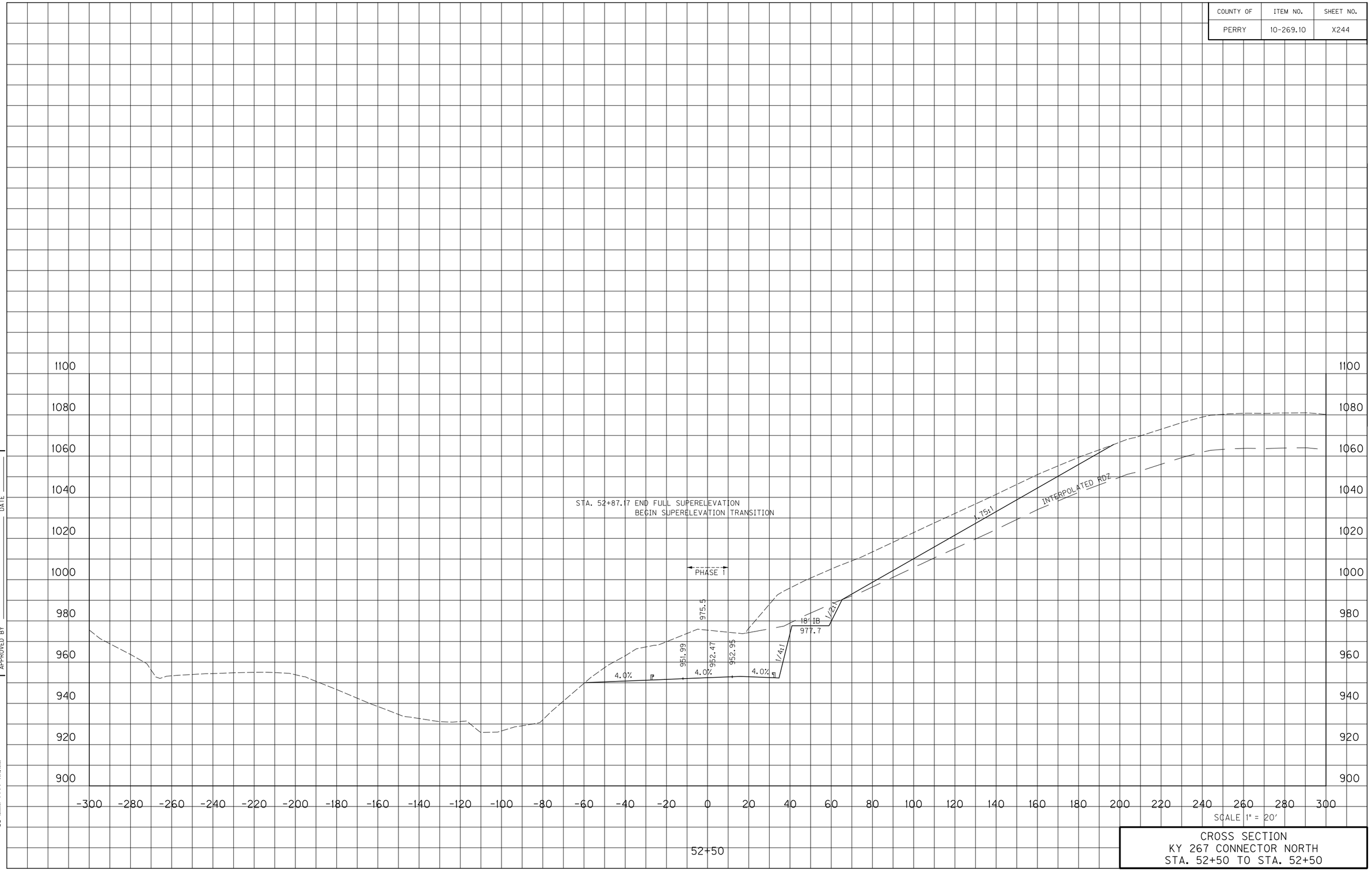
SCALE 1" = 20'

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 52+00 TO STA. 52+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X244



SCALE 1" = 20'

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 52+50 TO STA. 52+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kyfc.cel
Cell Names: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X245

STA. 53+25 BEGIN TRANSITION TO 20' IB AT ELEVATION 944.9, WIDTH = 0'

STA. 53+18.67 REVERSE CROWN

RT. STA. 53+43.00, BEGIN 2' F.B.
DT. @ NORMAL DEPTH, ELEV. 944.78

INTERPOLATED RDZ

CUT SLOPE ON RDZ

2.0%

4.0%

3.2%

4.0%

949.62

950.00

950.38

991.6

1' IB
1003.9

1' IB
977.7

1V:2H

1V:2H

1V:4H

1.75H

PHASE 1

1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960
940
920
900

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

53+00

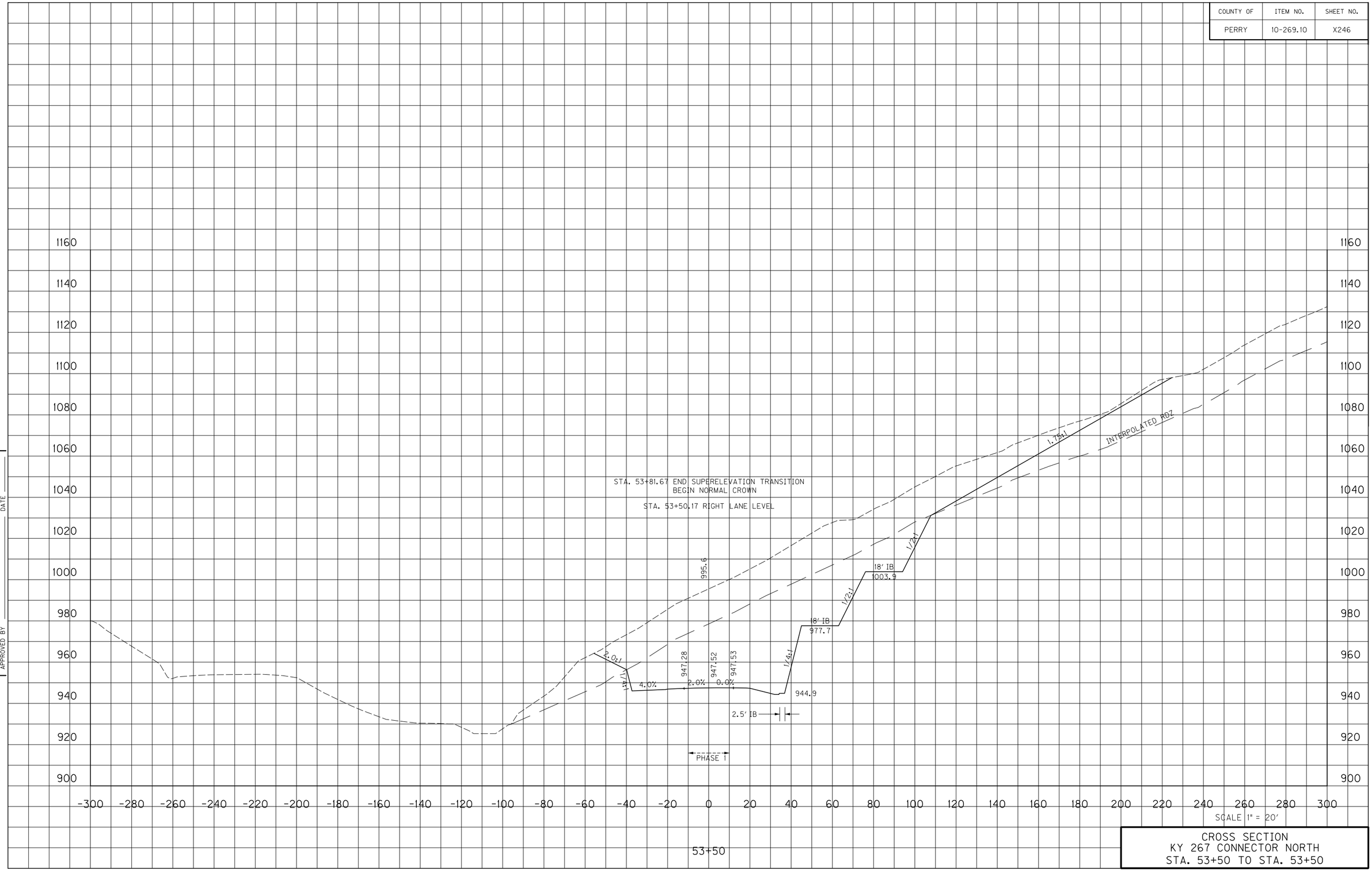
SCALE 1" = 20'

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 53+00 TO STA. 53+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X246

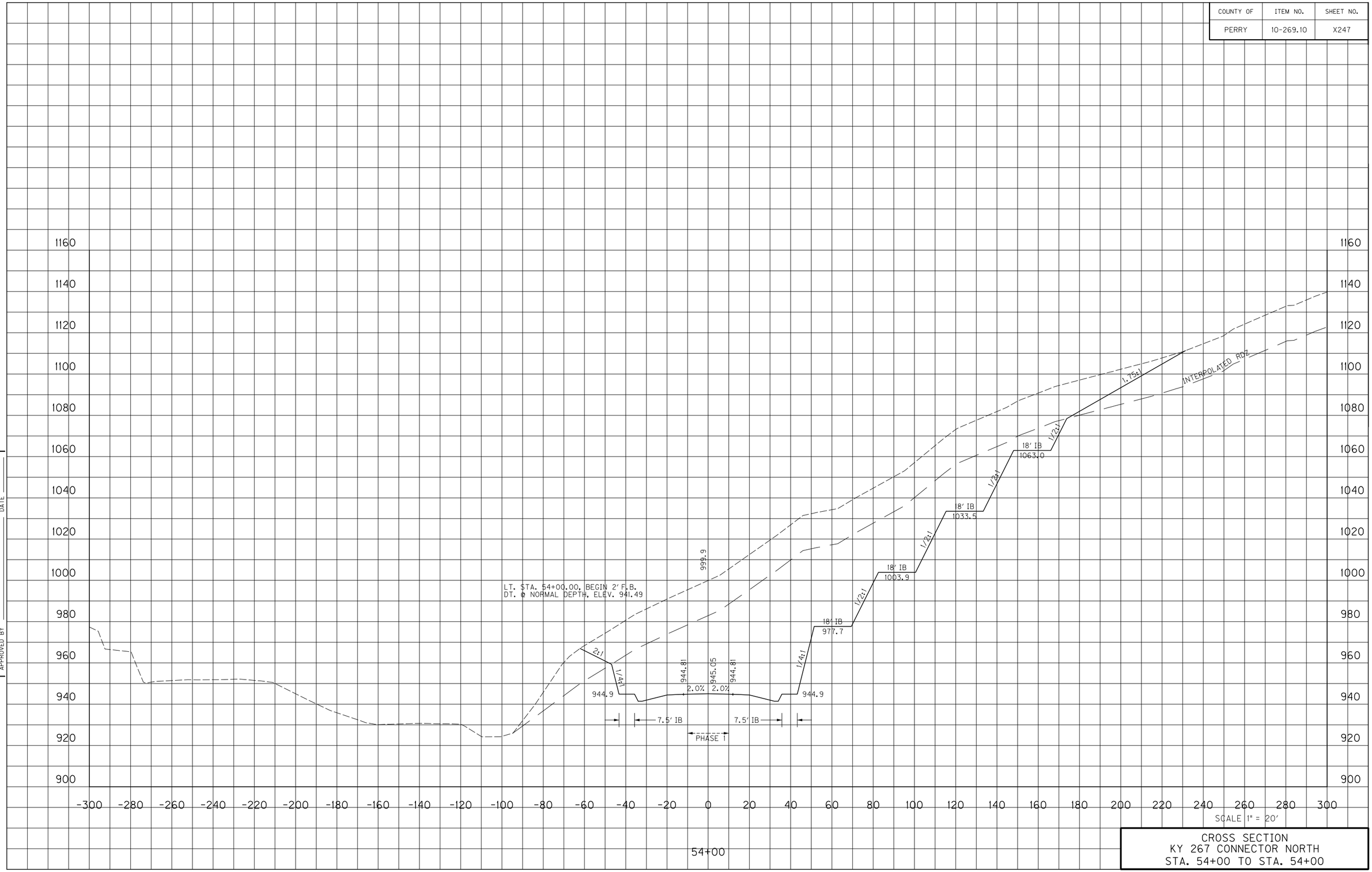


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 53+50 TO STA. 53+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X247



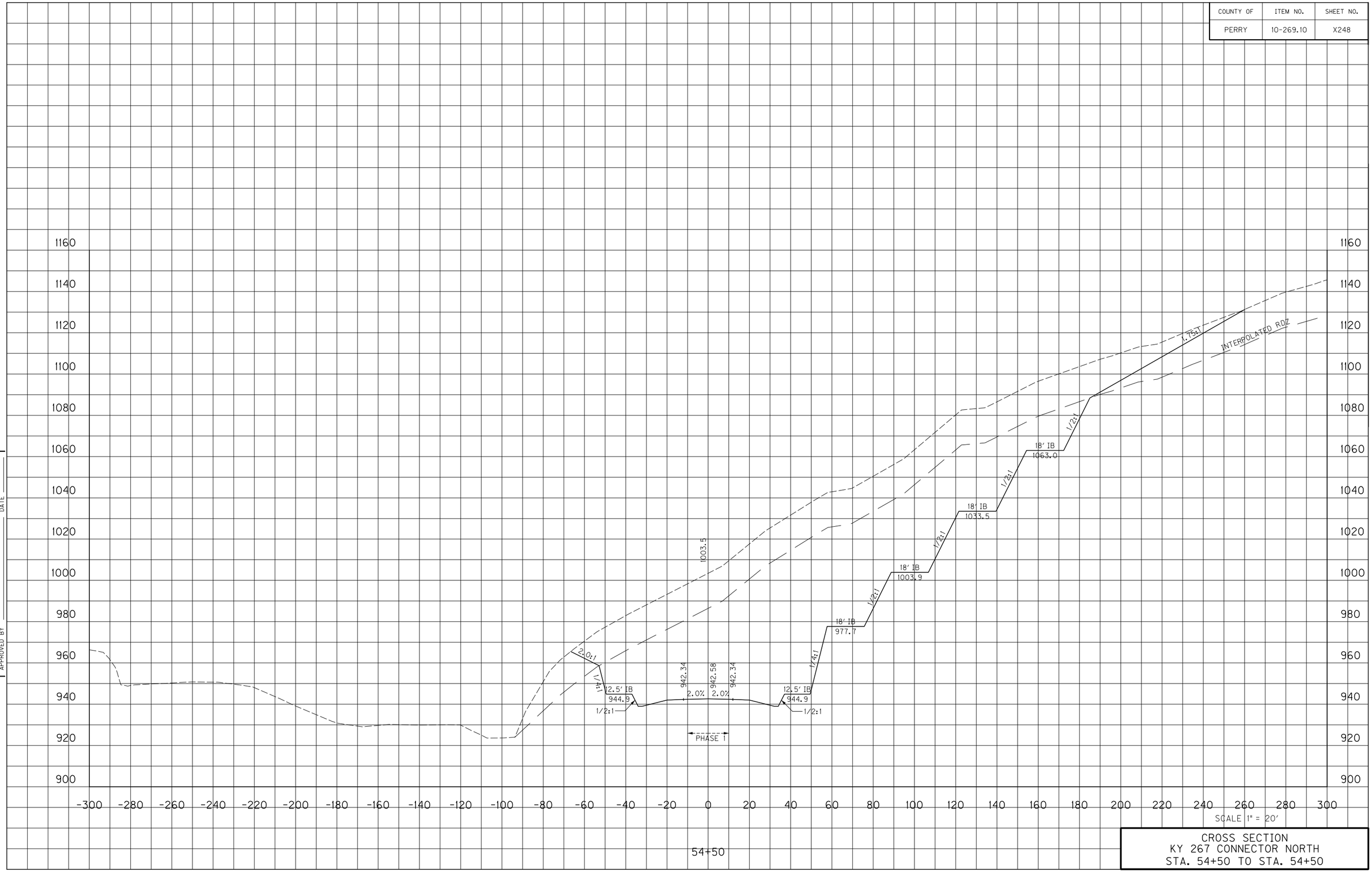
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 20'

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 54+00 TO STA. 54+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X248



SCALE 1" = 20'

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 54+50 TO STA. 54+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X249

STA. 55+25 END TRANSITION TO 20' IB AT ELEVATION 944.9, WIDTH = 20'

SCALE 1" = 20'

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 55+00 TO STA. 55+00

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X250

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 55+50 TO STA. 55+50

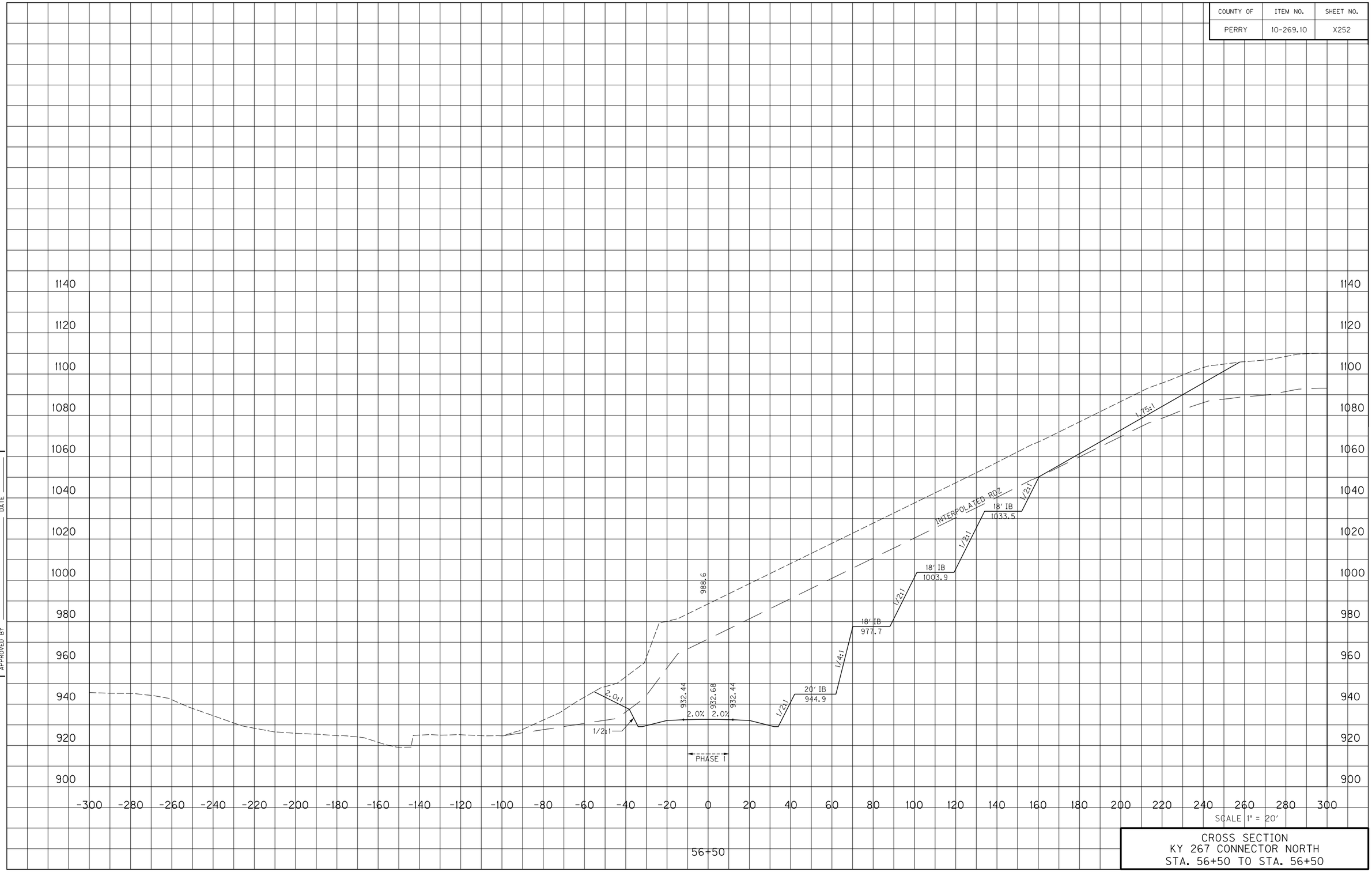
COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X251

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 56+00 TO STA. 56+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X252

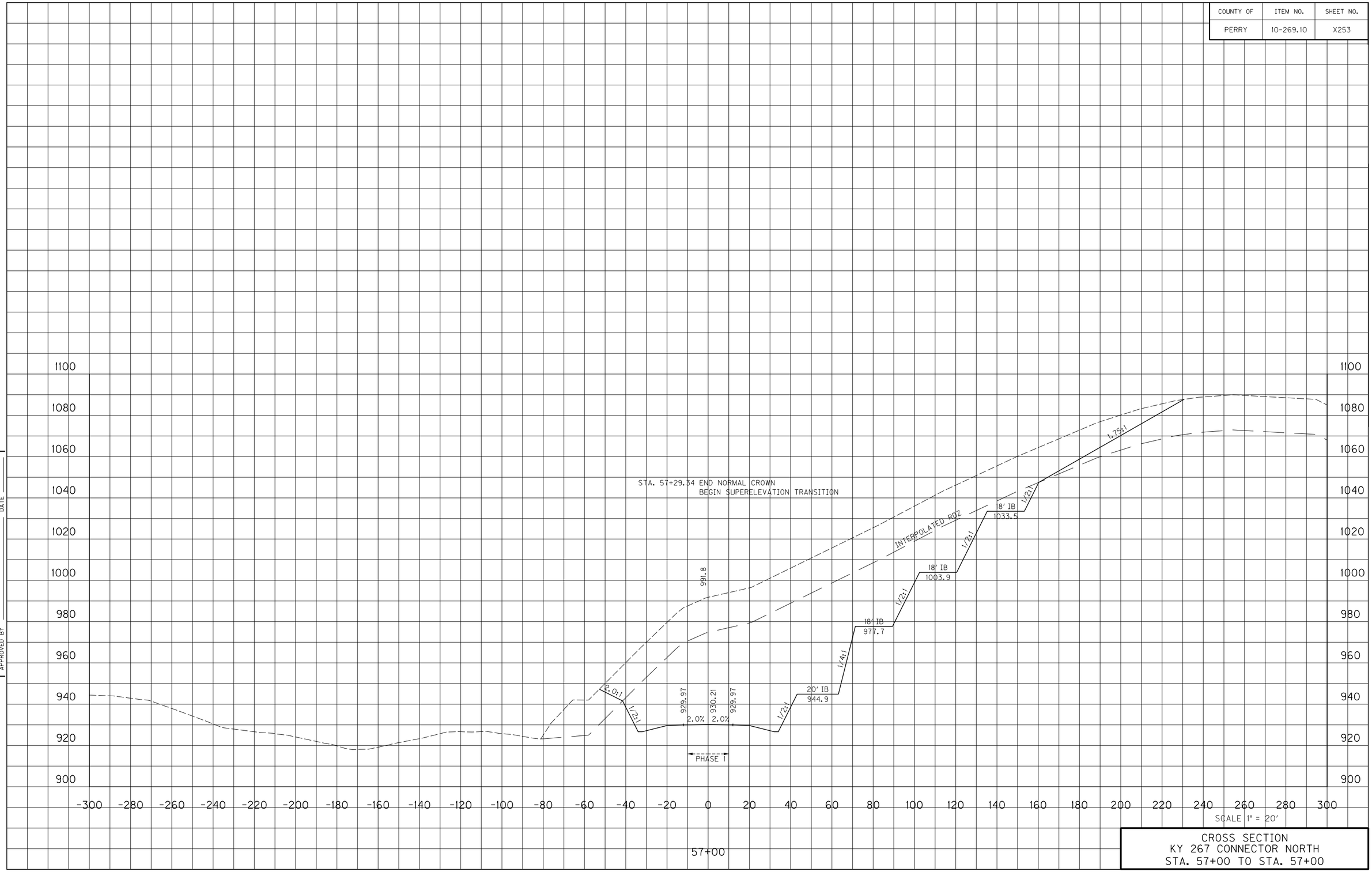


CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 56+50 TO STA. 56+50

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X253



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 57+00 TO STA. 57+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X254

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

STA. 57+96.34 REVERSE CROWN

STA. 57+62.84 LEFT LANE LEVEL

981.2

927.65 927.74 927.50

0.8% 2.0%

1/2:1 1/2:1 1/2:1 1/4:1 1/2:1 1/2:1 1.75:1

20' IB 944.9

18' IB 977.7

18' IB 1003.9

INTERPOLATED RDZ

PHASE 1

SCALE 1" = 20'

57+50

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 57+50 TO STA. 57+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X255

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

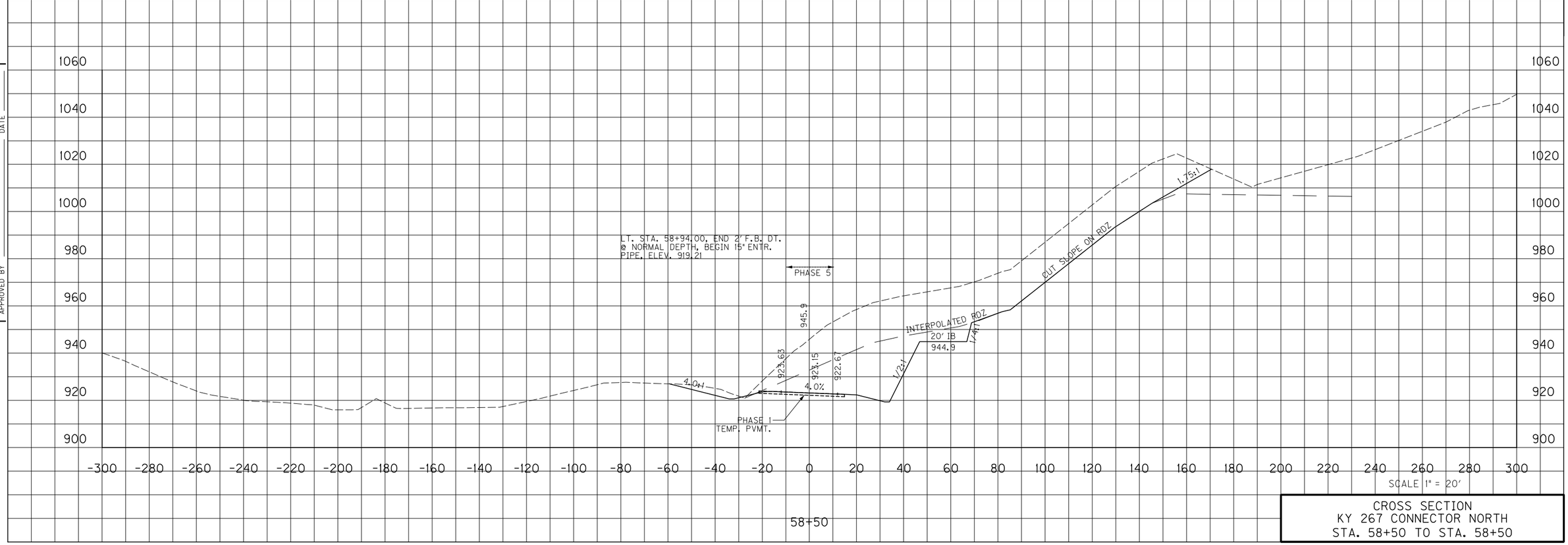
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 58+00 TO STA. 58+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X256

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 58+50 TO STA. 58+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X257

LT. STA. 59+26.88, END 15" ENTR. PIPE,
BEGIN 2' F.B. DT. @ NORMAL DEPTH,
ELEV. 918.43

V.P.O.T. 86.15' LT.
ELEV. 917.23

V.P.I. 50.00' LT.
ELEV. 921.25

921.81
920.1
921.33

11.4%
2.0%
4.0%

20' V.C.

15" ENTR. PIPE

ALONG CENTERLINE OF ENTRANCE

940
920
900

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

59+10

1060
1040
1020
1000
980
960
940
920
900

PHASE 5

922.05
920.0
4.0%
921.57
921.09

1.75:1

INTERPOLATED ROZ

1.2:1

15" ENTR. PIPE
PHASE 1
TEMP. PVMT.

-300 -280 -260 -240 -220 -200 -180 -160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

59+00

SCALE 1" = 20'

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

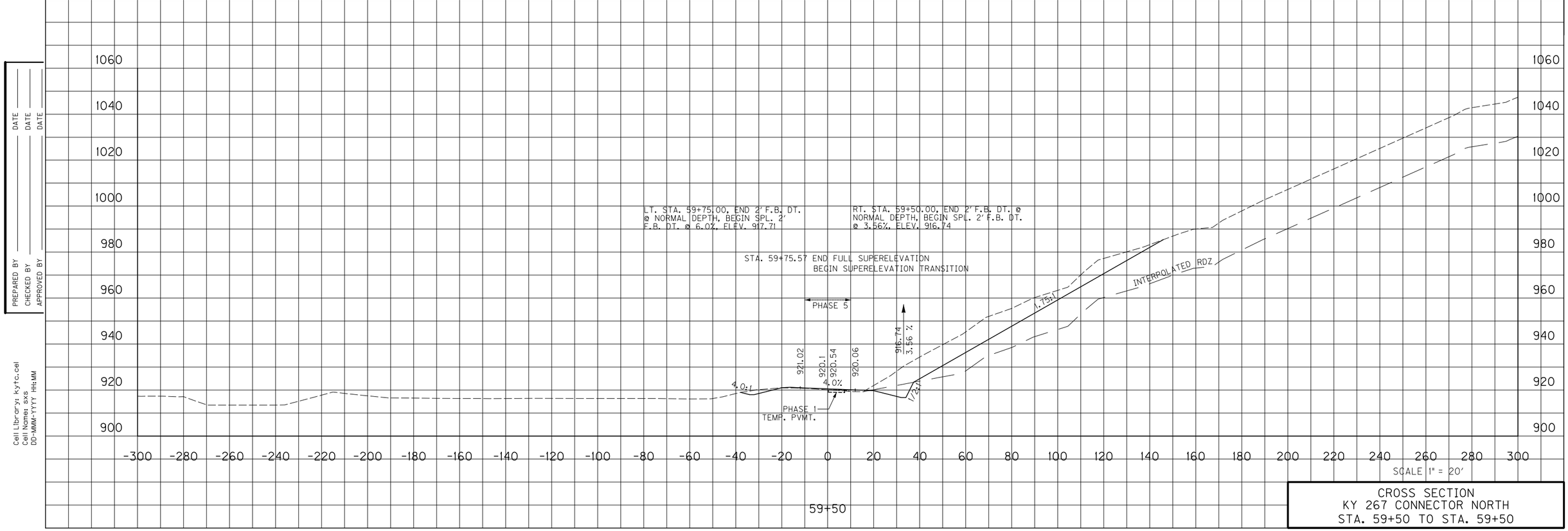
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 59+00 TO STA. 59+10

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X258

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

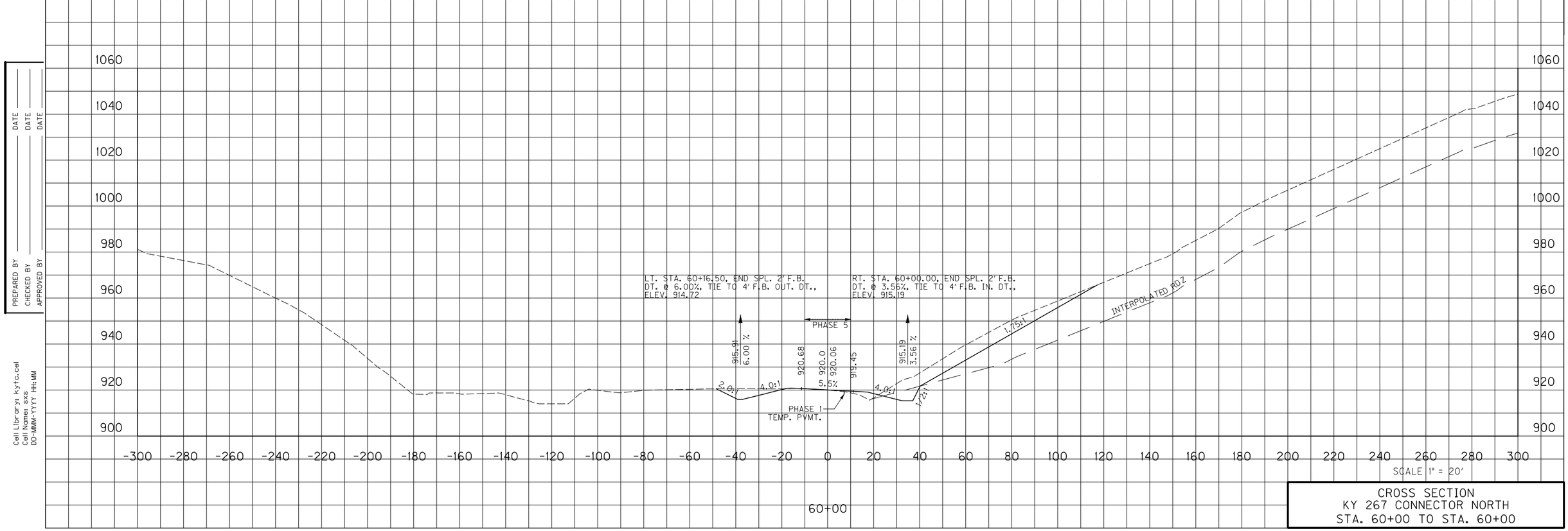


CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 59+50 TO STA. 59+50

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X259

PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

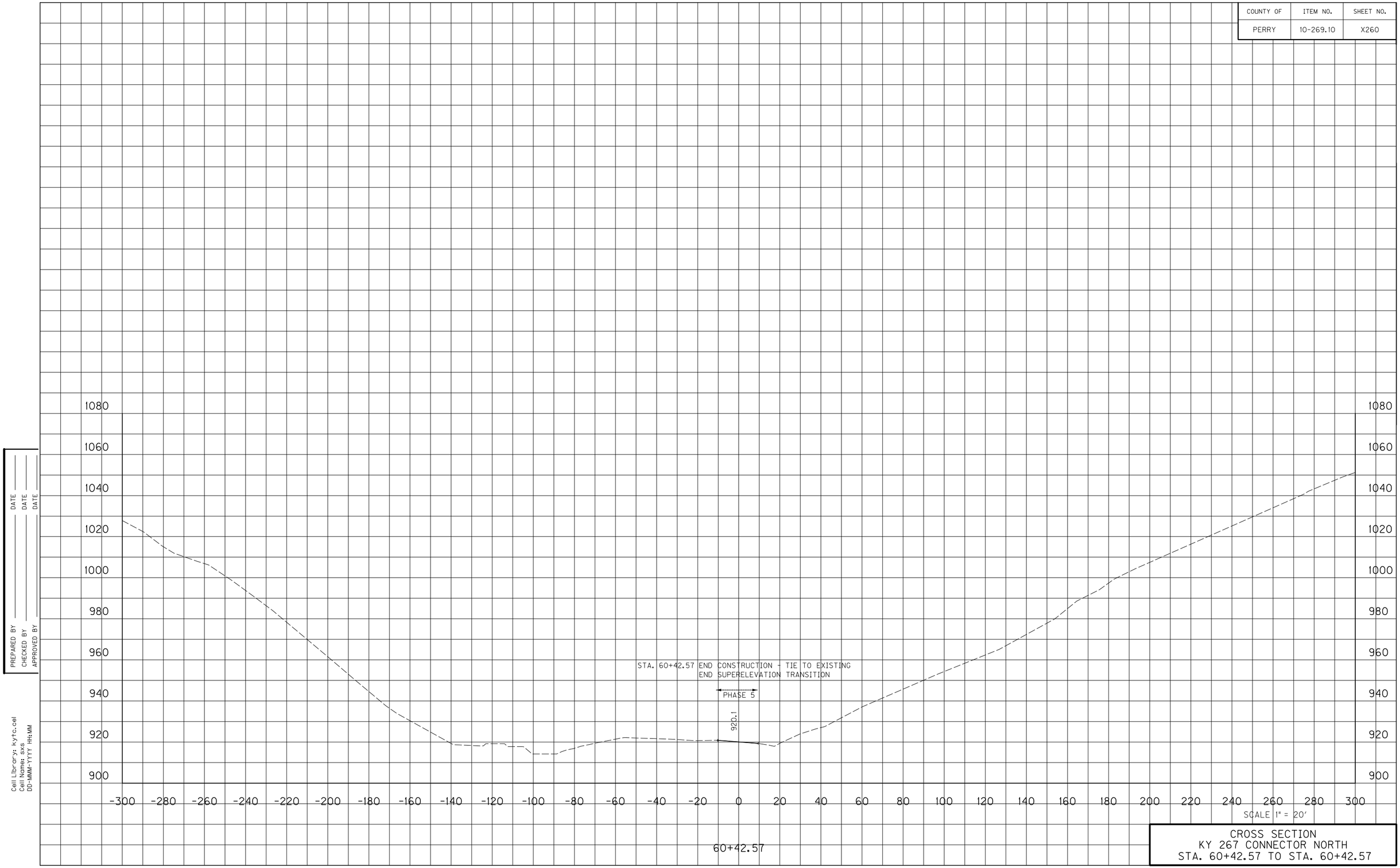
Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



SCALE 1" = 20'

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 60+00 TO STA. 60+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X260

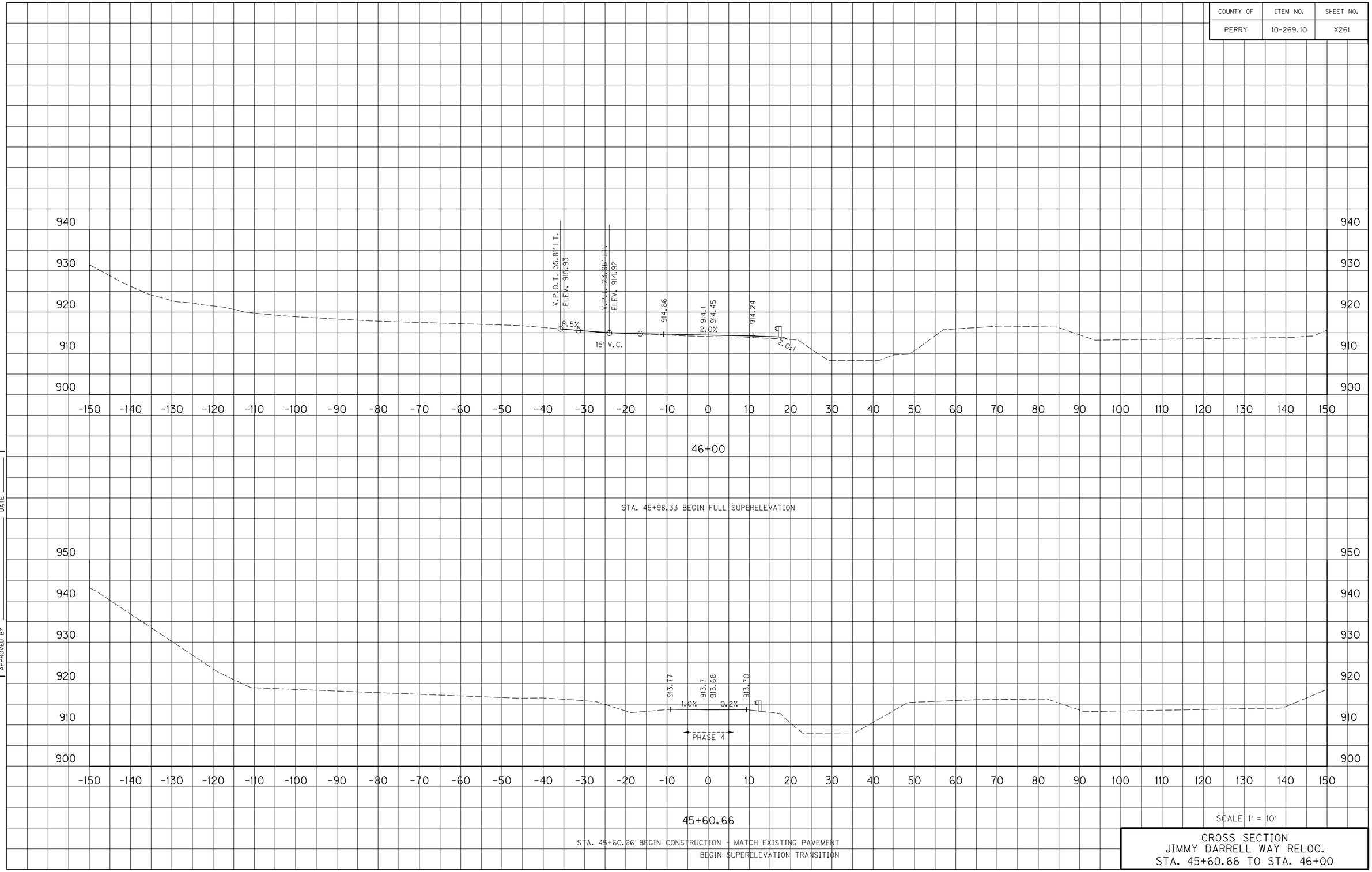


PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
KY 267 CONNECTOR NORTH
STA. 60+42.57 TO STA. 60+42.57

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X261



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

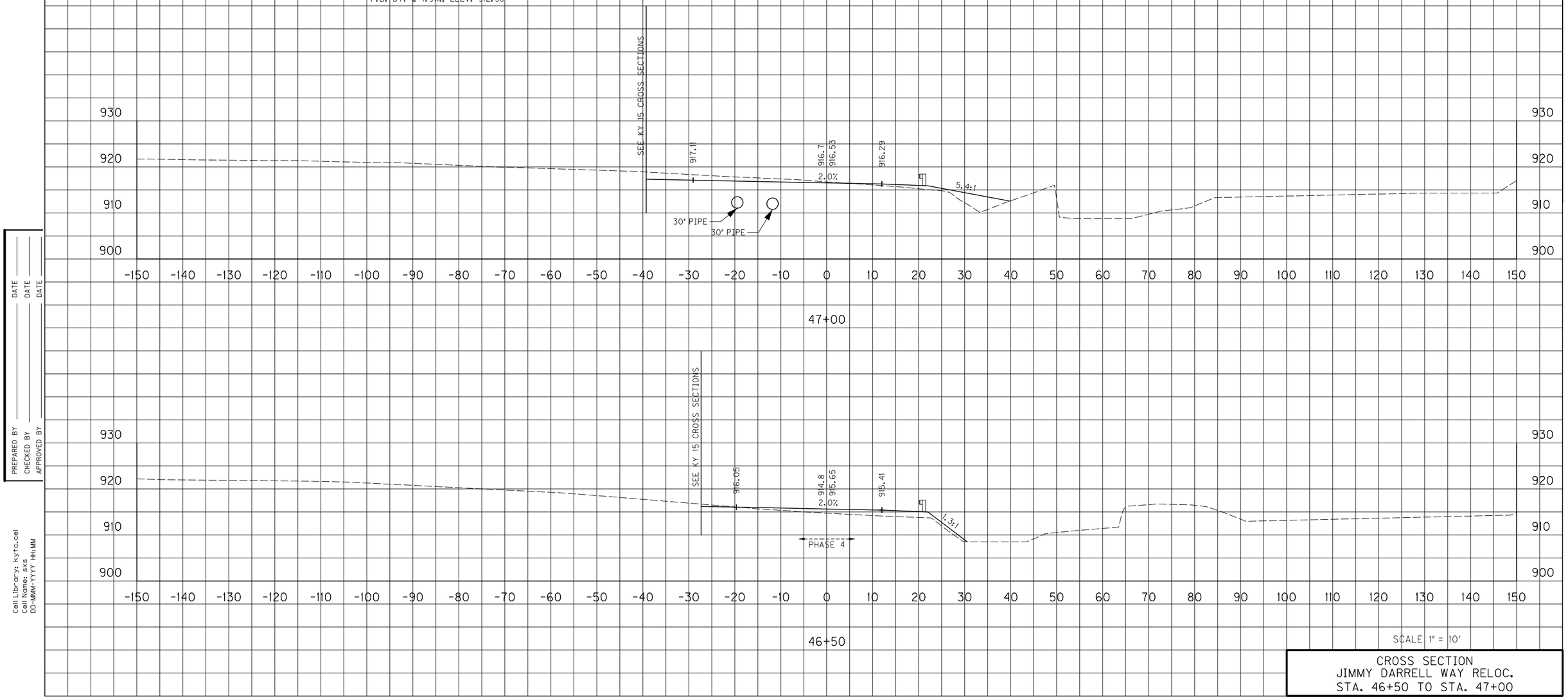
SCALE 1" = 10'

CROSS SECTION
JIMMY DARRELL WAY RELOC.
STA. 45+60.66 TO STA. 46+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X262

STA. 47+00.55 END FULL SUPERELEVATION
BEGIN LEFT SIDE SUPERELEVATION TRANSITION

LT. STA. 47+26.78, BEGIN SPL. 2'
F.B. DT. @ 1.91%, ELEV. 912.58



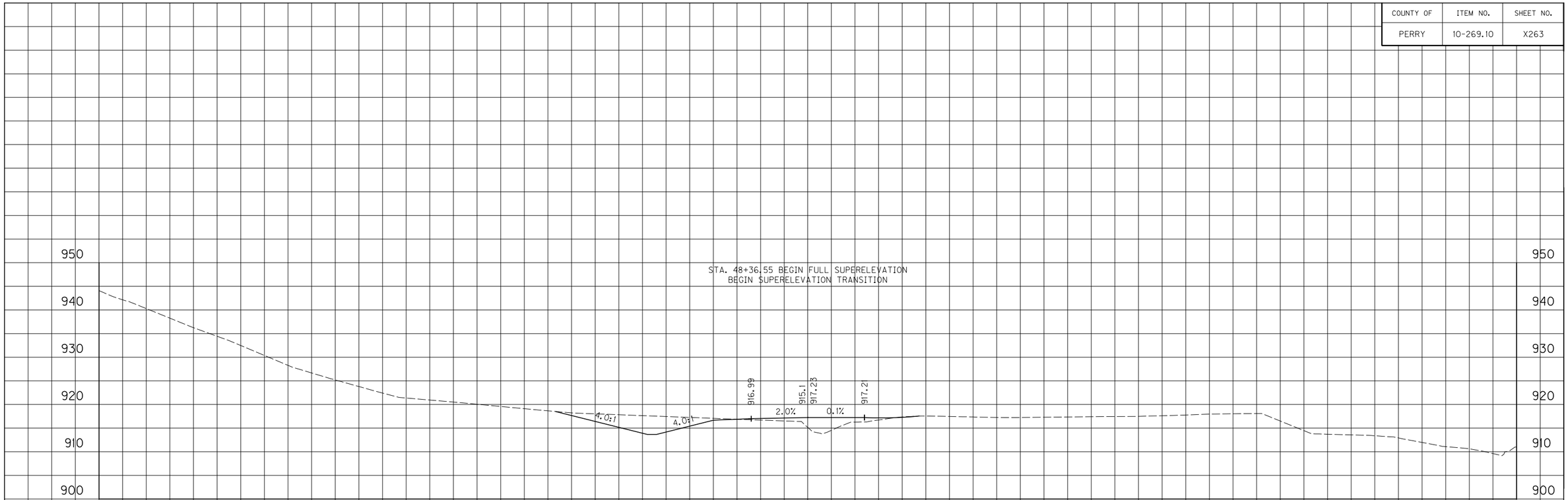
SCALE 1" = 10'

CROSS SECTION
JIMMY DARRELL WAY RELOC.
STA. 46+50 TO STA. 47+00

PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X263



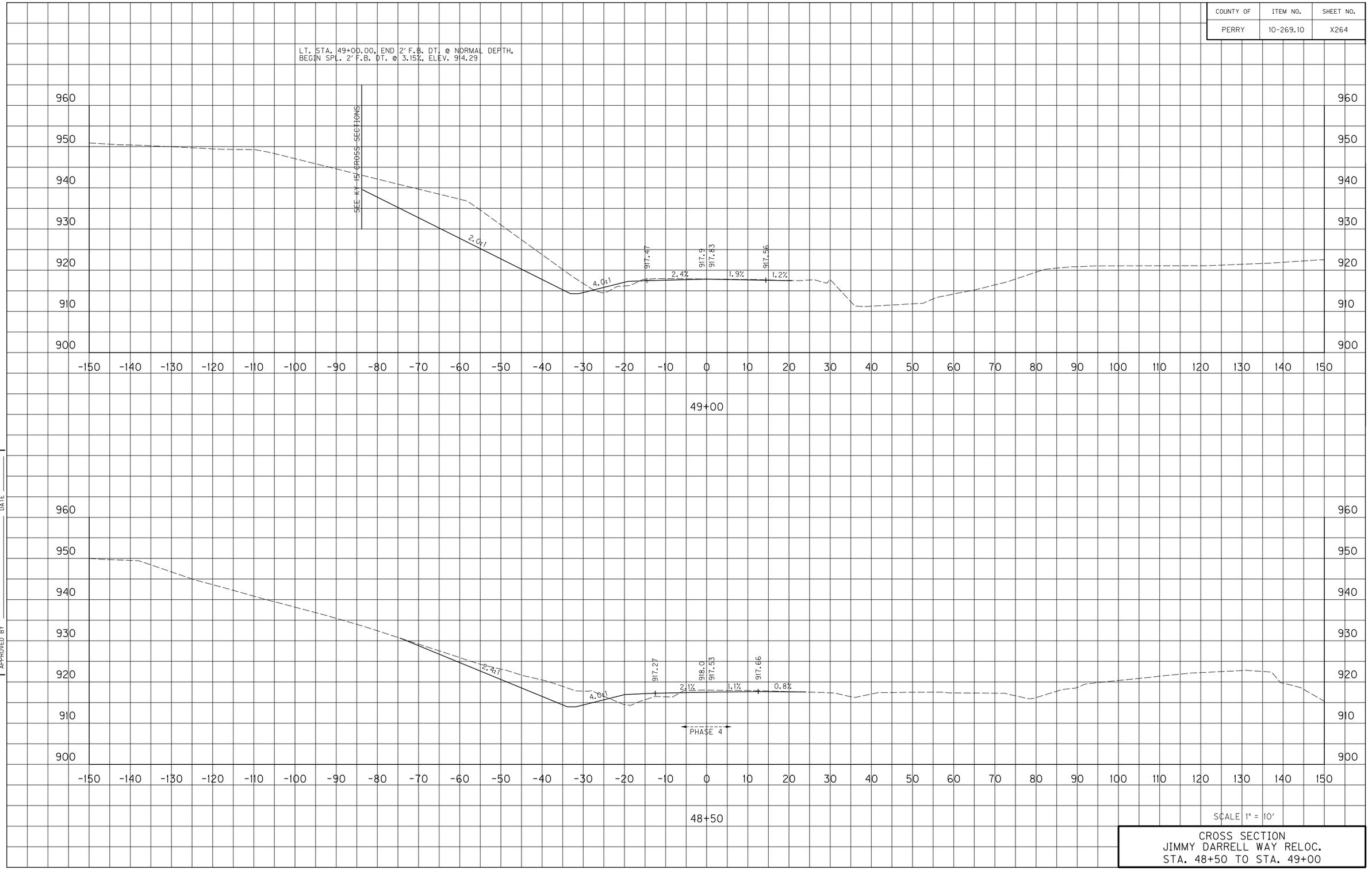
PREPARED BY _____ DATE
CHECKED BY _____ DATE
APPROVED BY _____ DATE

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

CROSS SECTION
JIMMY DARRELL WAY RELOC.
STA. 47+50 TO STA. 48+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X264

LT. STA. 49+00.00, END 2' F.B. DT. @ NORMAL DEPTH,
BEGIN SPL. 2' F.B. DT. @ 3.15%, ELEV. 914.29



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

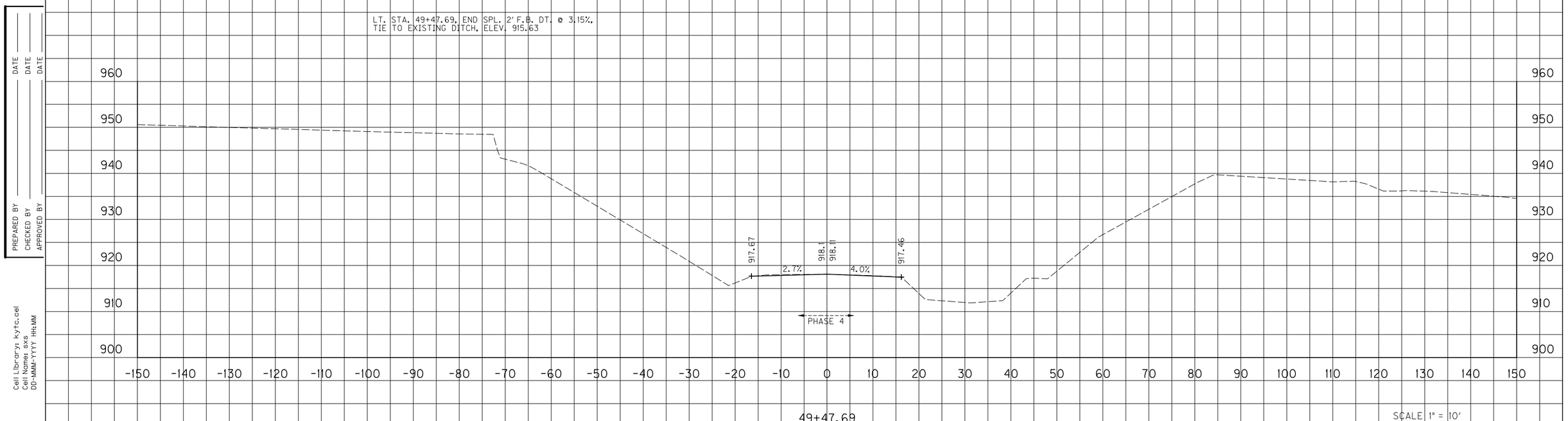
SCALE 1" = 10'

CROSS SECTION
JIMMY DARRELL WAY RELOC.
STA. 48+50 TO STA. 49+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X265

STA. 49+47.69 END CONSTRUCTION - MATCH EXISTING PAVEMENT
END SUPERELEVATION TRANSITION

LT. STA. 49+47.69, END SPL. 2' F.B. DT. @ 3.15%,
TIE TO EXISTING DITCH, ELEV. 915.63



SCALE 1" = 10'

CROSS SECTION
JIMMY DARRELL WAY RELOC.
STA. 49+47.69

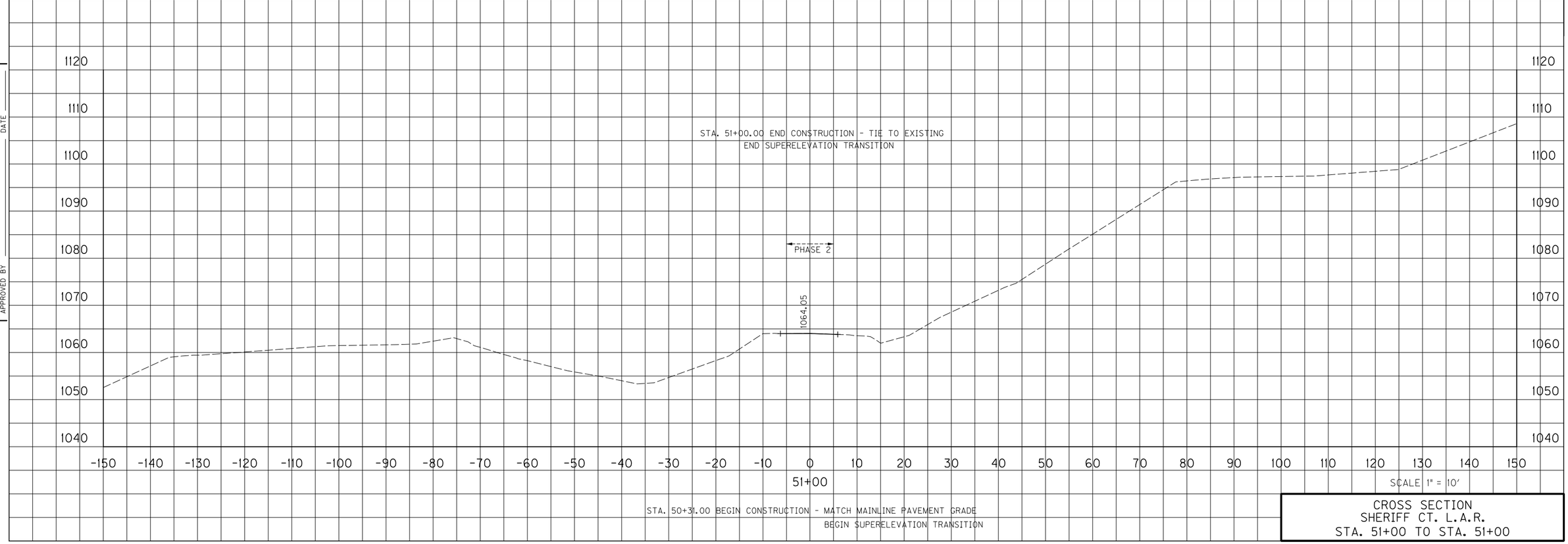
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X266

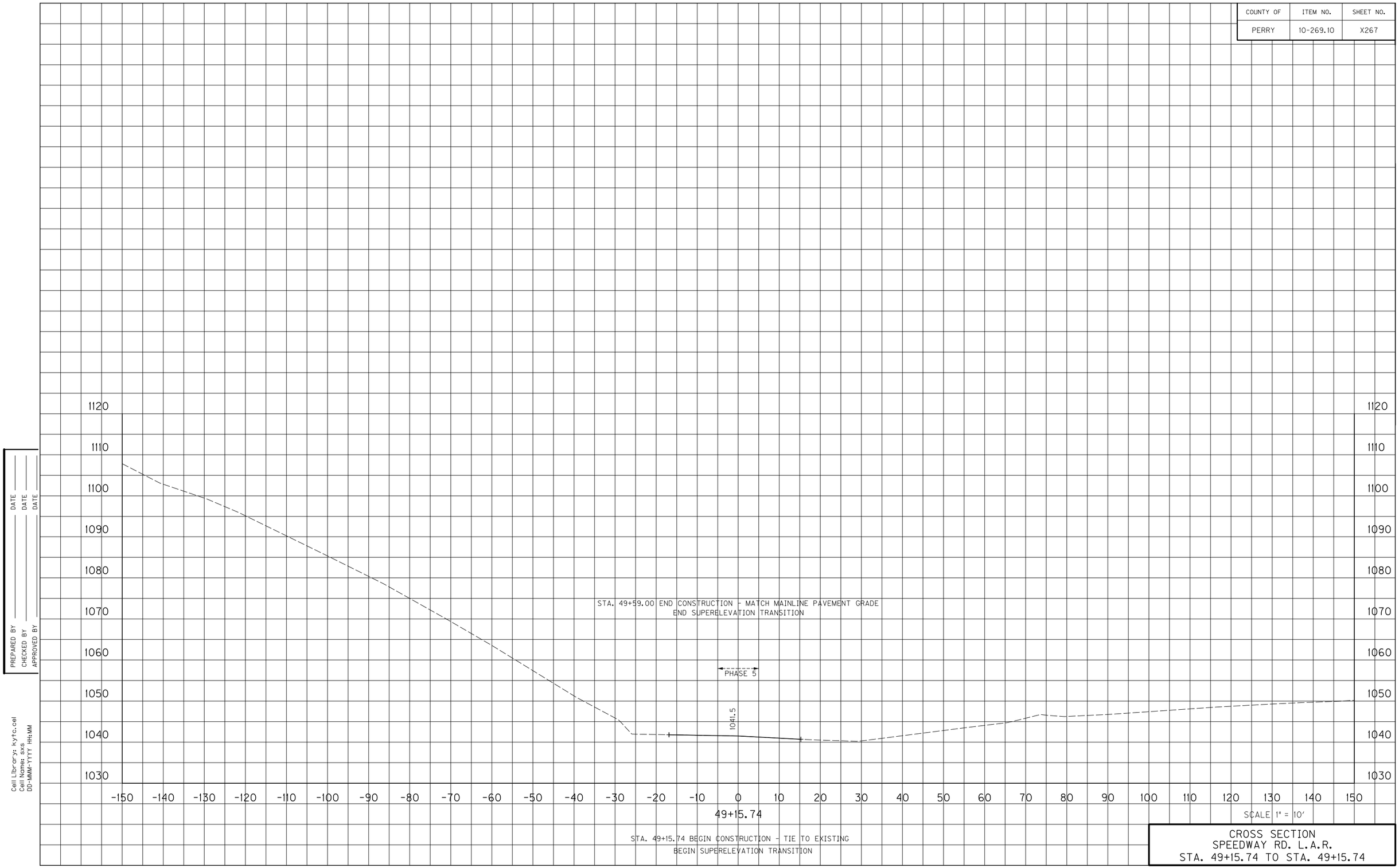
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM



CROSS SECTION
SHERIFF CT. L.A.R.
STA. 51+00 TO STA. 51+00

COUNTY OF	ITEM NO.	SHEET NO.
PERRY	10-269.10	X267



PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

Cell Library: kytc.cel
Cell Name: sxs
DD-MMM-YYYY HH:MM

SCALE 1" = 10'

CROSS SECTION
SPEEDWAY RD. L.A.R.
STA. 49+15.74 TO STA. 49+15.74