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E-121 08-08-95
E-123 03-16-04
E-134 08-08-95
E-138 05-30-03
E-140 08-30-96
E-141 09-20-95
E-150 05-01-04
E-151 05-01-04
E-153 05-01-04
E-164 06-08-09
E-191 02-01-99
E-192 10-12-00
E-193 08-18-95
G-1 01-03-2000
G-1d 01-03-2000
J-3 08-07-95

QUALITY ASSURANCE PROGRAM: LEVEL 3

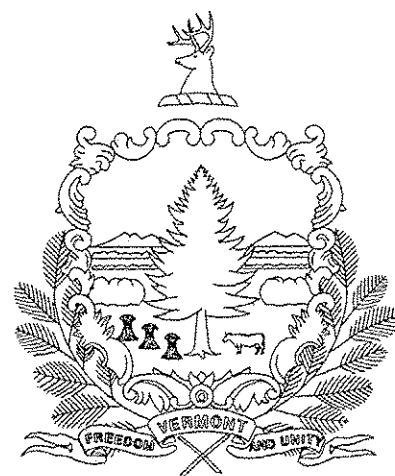
CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARDRAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
UTILITY POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : VERMONT SURVEY & ENGINEERING
SURVEYED DATE : 2010

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83 (2007)

STATE OF VERMONT
AGENCY OF TRANSPORTATION



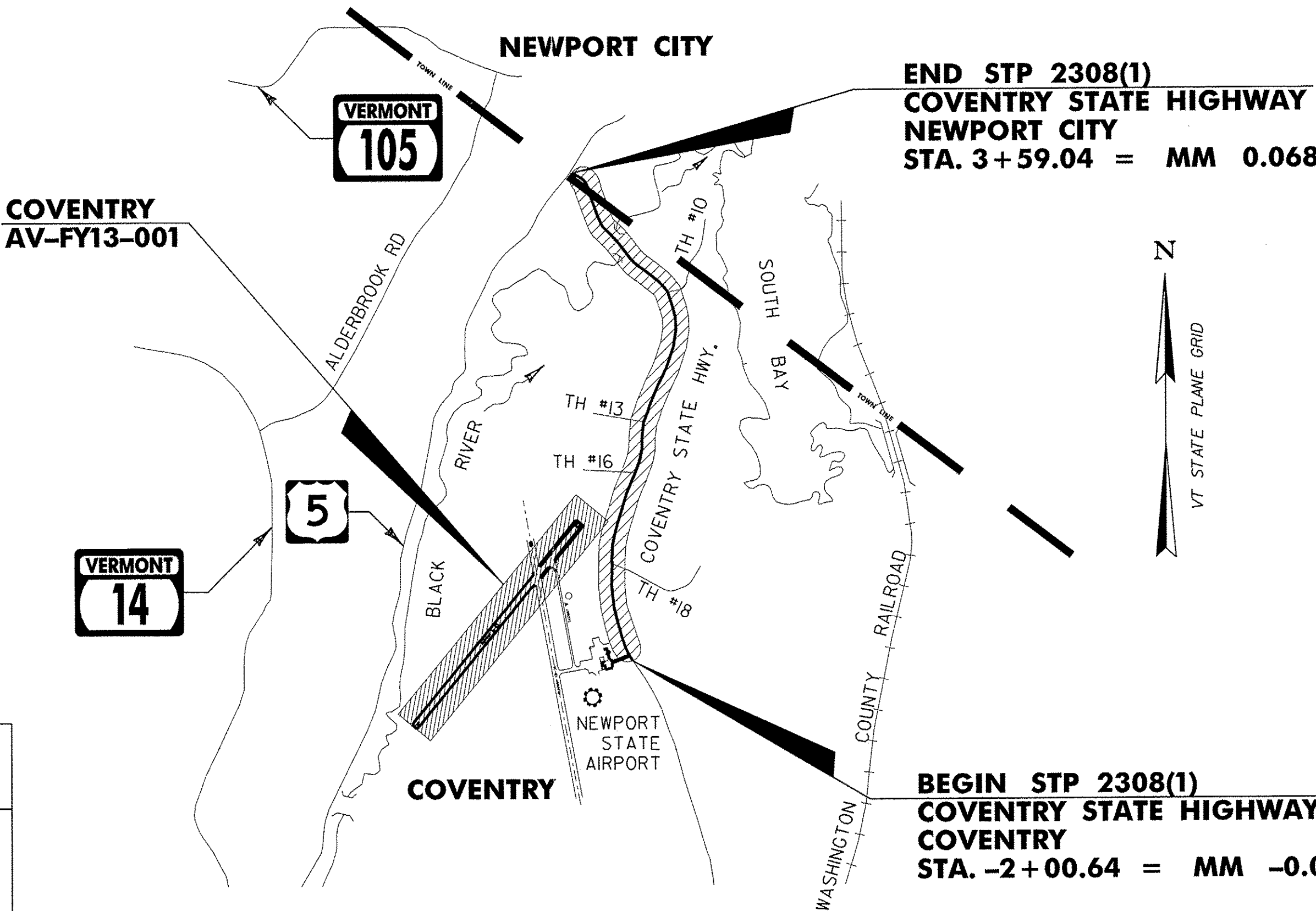
PROPOSED IMPROVEMENT
TOWN OF COVENTRY & CITY OF NEWPORT
COUNTY OF ORLEANS

COVENTRY-NEWPORT CITY
STP 2308(1)
COVENTRY STATE HIGHWAY

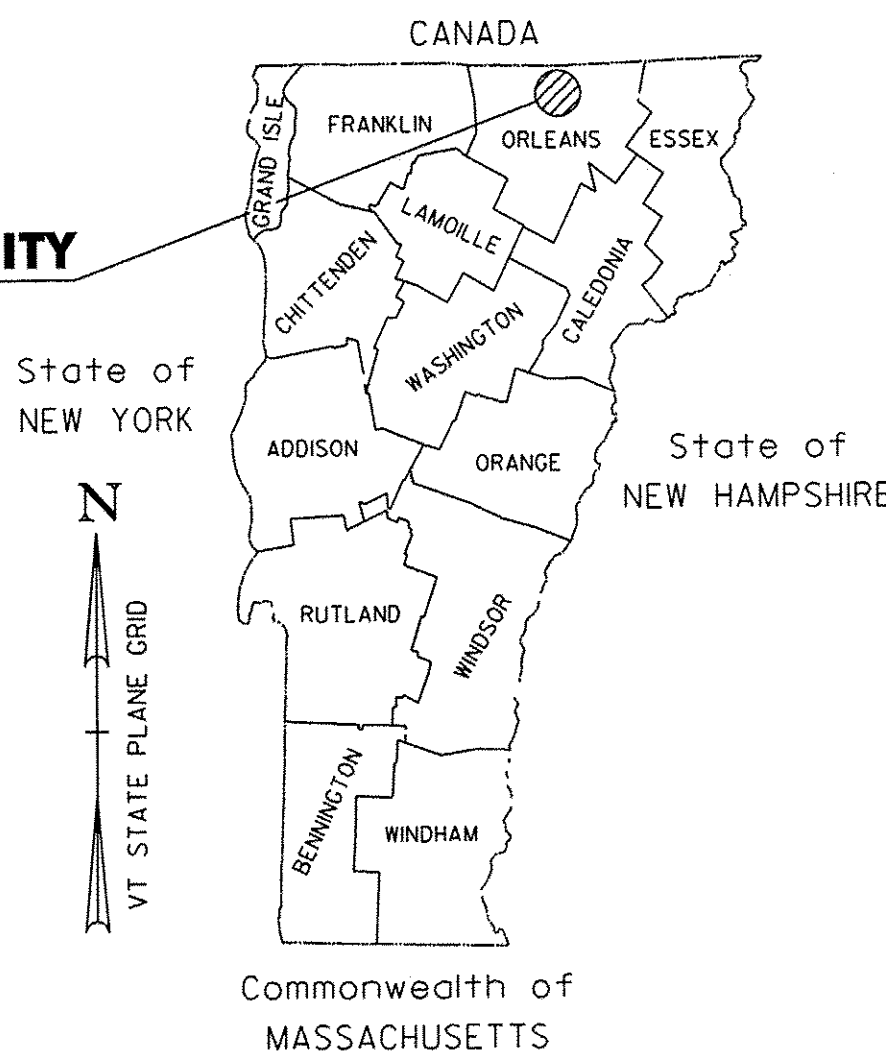
SEE SHEET 5 OF 107

COVENTRY
AV-FY13-001
NEWPORT STATE AIRPORT

SEE SHEET 104 OF 107



COVENTRY-NEWPORT CITY
STP 2308(1)
AV-FY13-001



RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT

RESIDENT ENGINEER: JOHN SLADYK

CONSTRUCTION BEGAN: AUGUST 6, 2012

CONSTRUCTION COMPLETE: OCTOBER 19, 2012

RECORD PLANS BY: JOHN SLADYK & JENNA HYDE

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY RESIDENT ENGINEER

DATE 01-15-14

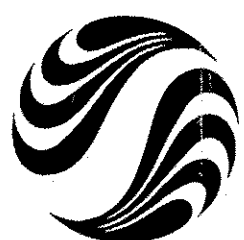
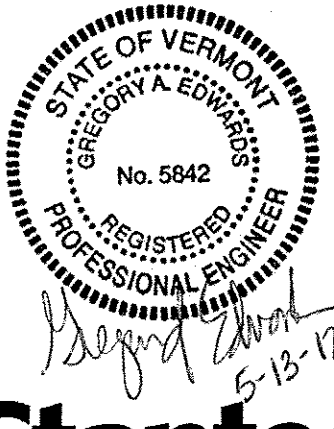
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY PURPOSES.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".



Stantec

Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED DATE 5-14-12

PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME: COVENTRY-NEWPORT CITY/COVENTRY

PROJECT NUMBER : STP 2308 (1) , AV-FY13-001

SHEET 1 OF 107 SHEETS

STATE OF VERMONT AGENCY OF TRANSPORTATION			COMPOSITE QUANTITY SHEET 1												
			COVENTRY-NEWPORT STP 2308 (I)					COVENTRY AV-FY13-001	TOTALS		DESCRIPTIONS				
			ROADWAY (STATE ROUTE)	EROSION CONTROL	BRIDGE ITEMS	FULL C.E.	ROADWAY (CLASS I T.H.)	AIRPORT	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND	
			150						150		CY	EARTH BORROW	203.30	-	
			80						80		CY	TRENCH EXCAVATION OF EARTH	204.20	-	
			20						20		CY	TRENCH EXCAVATION OF ROCK	204.21	-	
			I						I		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-	
			40075				1125		41200		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	-	
			1704				6		1710		TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	-	
			4230				120		4350		TON	SUBBASE, RAP	301.40	-	
			41800				700	21300	63800		SY	RECLAIMED STABILIZED BASE	310.20	-	
			1435				35		1470		TON	AGGREGATE SHOULDERS	402.12	-	
			I						I		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-	
			5210				90		5300		CWT	EMULSIFIED ASPHALT, COLD MIX	415.25	-	
			11130				370		11500		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	-	
			I				I		2		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-	
			I						I		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-	
			I						I		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-	
			I						I		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-	
					70				70		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	-	
					300				300		LF	REMOVAL OF EXISTING RAILING	525.10	-	
					300				300		LF	BRIDGE RAILING REPAIR, TYPE I	525.50	-	
					100				100		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	-	
			340						340		LF	6 INCH UNDERDRAIN PIPE	605.10	-	
			20						20		LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	-	
			19				I		20		HR	POWER GRADER RENTAL	608.15	-	
			136				4		140		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	-	
			14				I		15		HR	POWER BROOM RENTAL, TYPE I	608.30	-	
			160				5		165		HR	TRUCK RENTAL	608.37	-	
			14				I		15		HR	LOADER RENTAL, TYPE I	608.40	-	
				570					570		CY	STONE FILL, TYPE I	613.10	-	
			7				I		8		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-	
			30						30		EACH	YIELDING MARKER POSTS	619.17	-	
			925						925		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	-	
			550						550		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	-	
			150						150		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	-	
			6						6		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-	
			1200						1200		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-	
			510						510		HR	UNIFORMED TRAFFIC OFFICERS	630.10	-	
			2250						2250		HR	FLAGGERS	630.15	-	
PROJECT NAME: COVENTRY-NEWPORT CITY/COVENTRY PROJECT NUMBER: STP 2308(I), AV-FY13-001 FILE NAME: p10c052.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p01c052cqs01.i															PLOT DATE: 24-MAY-2012 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 2 OF 107

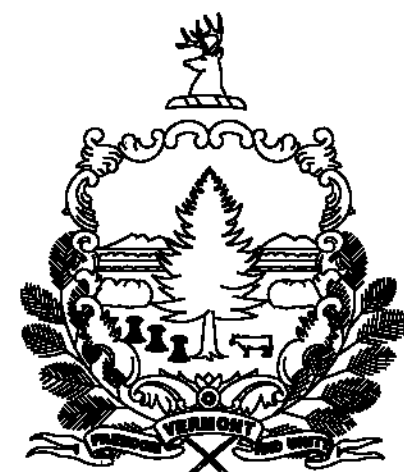
STATE OF VERMONT AGENCY OF TRANSPORTATION			COMPOSITE QUANTITY SHEET 2												
			COVENTRY-NEWPORT STP 2308 (I)					COVENTRY AV-FY13-001	TOTALS		DESCRIPTIONS				
			ROADWAY (STATE ROUTE)	EROSION CONTROL	BRIDGE ITEMS	FULL C.E.	ROADWAY (CLASS I T.H.)	AIRPORT	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND	
						I			I		LS	FIELD OFFICE , ENGINEERS	631.10	-	
						I			I		LS	TESTING EQUIPMENT , BITUMINOUS	631.17	-	
						3000			3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-	
			I						I		LS	MOBILIZATION/DEMOBILIZATION	635.11	-	
			I						I		LS	TRAFFIC CONTROL	641.10	-	
			I				2		3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-	
												BEGIN OPTION AA			
			27345				725		28070		LF	DURABLE 4 INCH WHITE LINE , THERMOPLASTIC	646.402	-	
			27345				725		28070		LF	DURABLE 4 INCH WHITE LINE , EPOXY PAINT	646.403	-	
			27345				725		28070		LF	DURABLE 4 INCH WHITE LINE , POLYUREA	646.404	-	
												END OPTION AA			
												BEGIN OPTION BB			
			24475				725		25200		LF	DURABLE 4 INCH YELLOW LINE , THERMOPLASTIC	646.412	-	
			24475				725		25200		LF	DURABLE 4 INCH YELLOW LINE , EPOXY PAINT	646.413	-	
			24475				725		25200		LF	DURABLE 4 INCH YELLOW LINE , POLYUREA	646.414	-	
												END OPTION BB			
												BEGIN OPTION CC			
			45						45		LF	DURABLE 24 INCH STOP BAR , THERMOPLASTIC	646.482	-	
			45						45		LF	DURABLE 24 INCH STOP BAR , EPOXY PAINT	646.483	-	
			45						45		LF	DURABLE 24 INCH STOP BAR , POLYUREA	646.484	-	
												END OPTION CC			
												BEGIN OPTION DD			
			17						17		EACH	DURABLE LETTER OR SYMBOL , THERMOPLASTIC	646.492	-	
			17						17		EACH	DURABLE LETTER OR SYMBOL , EPOXY PAINT	646.493	-	
			17						17		EACH	DURABLE LETTER OR SYMBOL , POLYUREA	646.494	-	
												END OPTION DD			
			109400				2900		112300		LF	TEMPORARY 4 INCH WHITE LINE , PAINT	646.602	-	
			97900				2900		100800		LF	TEMPORARY 4 INCH YELLOW LINE , PAINT	646.612	-	
			170						170		LF	TEMPORARY 24 INCH STOP BAR , PAINT	646.682	-	
			68						68		EACH	TEMPORARY LETTER OR SYMBOL , PAINT	646.692	-	
			1310				40		1350		EACH	LINE STRIPING TARGETS	646.76	-	
				2560					2560		SY	GEOTEXTILE UNDER STONE FILL	649.31	-	
			184				6	360	550		LB	SEED	651.15	-	
			580				20	2200	2800		LB	FERTILIZER	651.18	-	
			2.5				0.5	9	12		TON	AGRICULTURAL LIMESTONE	651.20	-	PROJECT NAME: COVENTRY-NEWPORT CITY/COVENTRY PROJECT NUMBER: STP 2308(I), AV-FY13-001
			2.5				0.5		3		TON	HAY MULCH	651.25	-	FILE NAME: p10c052.dgn PROJECT LEADER: JLL
			108				2		110		CY	TOPSOIL	651.35	-	DESIGNED BY: STANTEC IPARM FILE: p01c052cqs02.i
															PLOT DATE: 18-MAY-2012 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 3 OF 107

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

COMPOSITE QUANTITY SHEET 3

[illegible]

STATE OF VERMONT
AGENCY OF TRANSPORTATION

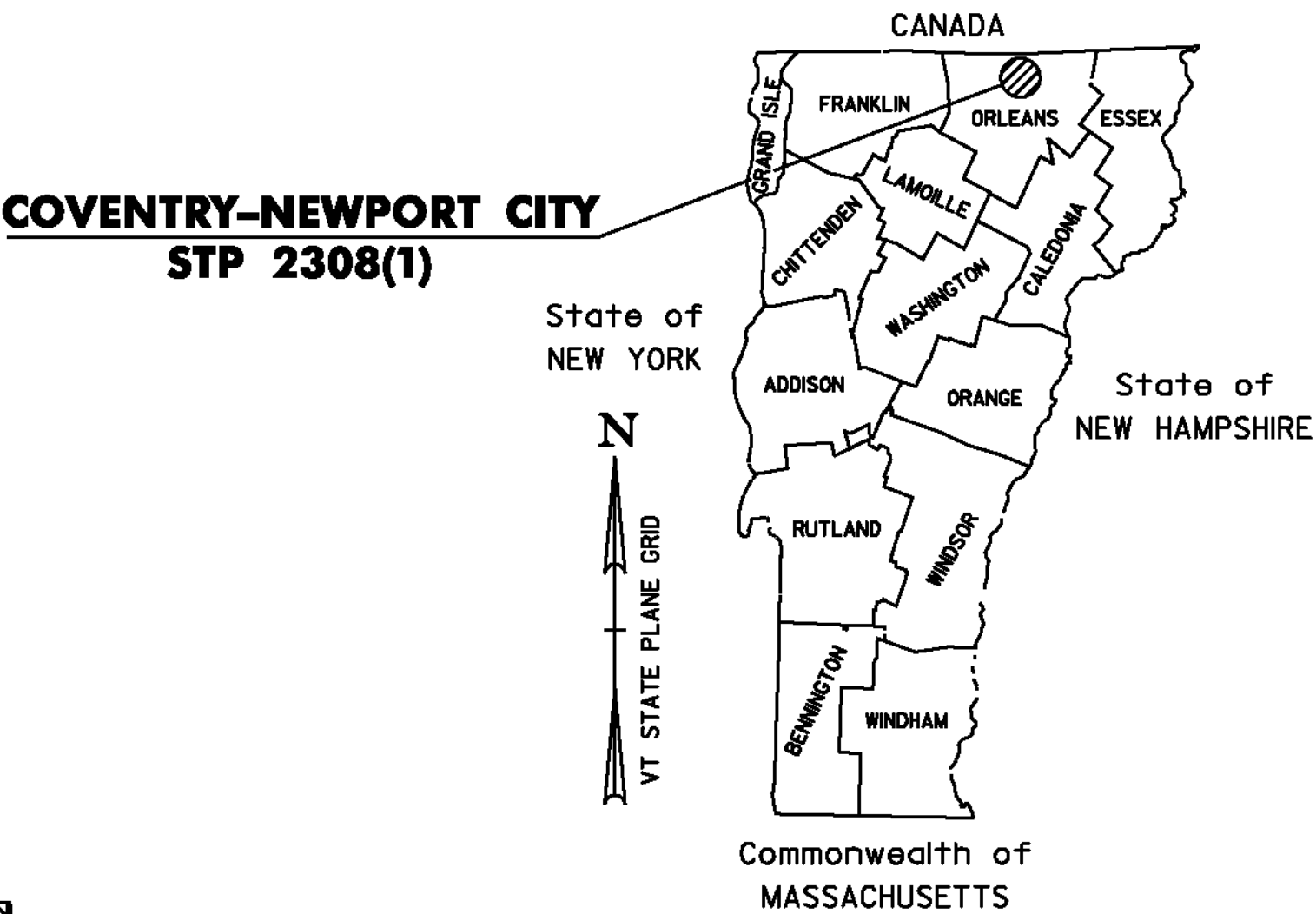


PROPOSED IMPROVEMENT
TOWN OF COVENTRY & CITY OF NEWPORT
COUNTY OF ORLEANS
COVENTRY STATE HIGHWAY
MAJOR COLLECTOR

BEGINNING IN THE TOWN OF COVENTRY ON COVENTRY STATE HIGHWAY JUST BEFORE THE ENTRANCE TO THE NEWPORT STATE AIRPORT AT STA. -2+00.64 (MM -0.038) AND EXTENDING NORTHERLY A DISTANCE OF 13,976.16 FEET (2.647 MILES) TO STA 3+59.04 (MM 0.068) IN NEWPORT CITY.

	LENGTH (FEET)	LENGTH (MILES)
TOWN OF COVENTRY COVENTRY STATE HIGHWAY STA. -2+00.64 TO 134+16.48 MM -0.038 TO 2.541	13,617.12	2.579
CITY OF NEWPORT STA. 0+00.00 TO 3+59.04 MM 0.000 TO 0.068	359.04	0.068
TOTAL LENGTH OF PROJECT:	13,976.16	2.647
TOTAL LENGTH OF ROADWAY:	13,976.16	2.647

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING AND RESURFACING OF THE EXISTING HIGHWAY WITH A RECLAIMED STABILIZED BASE, NEW PAVEMENT, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER RELATED HIGHWAY ITEMS.



TRAFFIC DATA
COVENTRY STATE HIGHWAY

LOCATION	AADT		DHV		ESALS	
	2012	2022	2012	2022	2012-2022	2012-2032
BEGIN PROJECT TO END PROJECT	980	1000	140	140	1,164,000	2,767,000

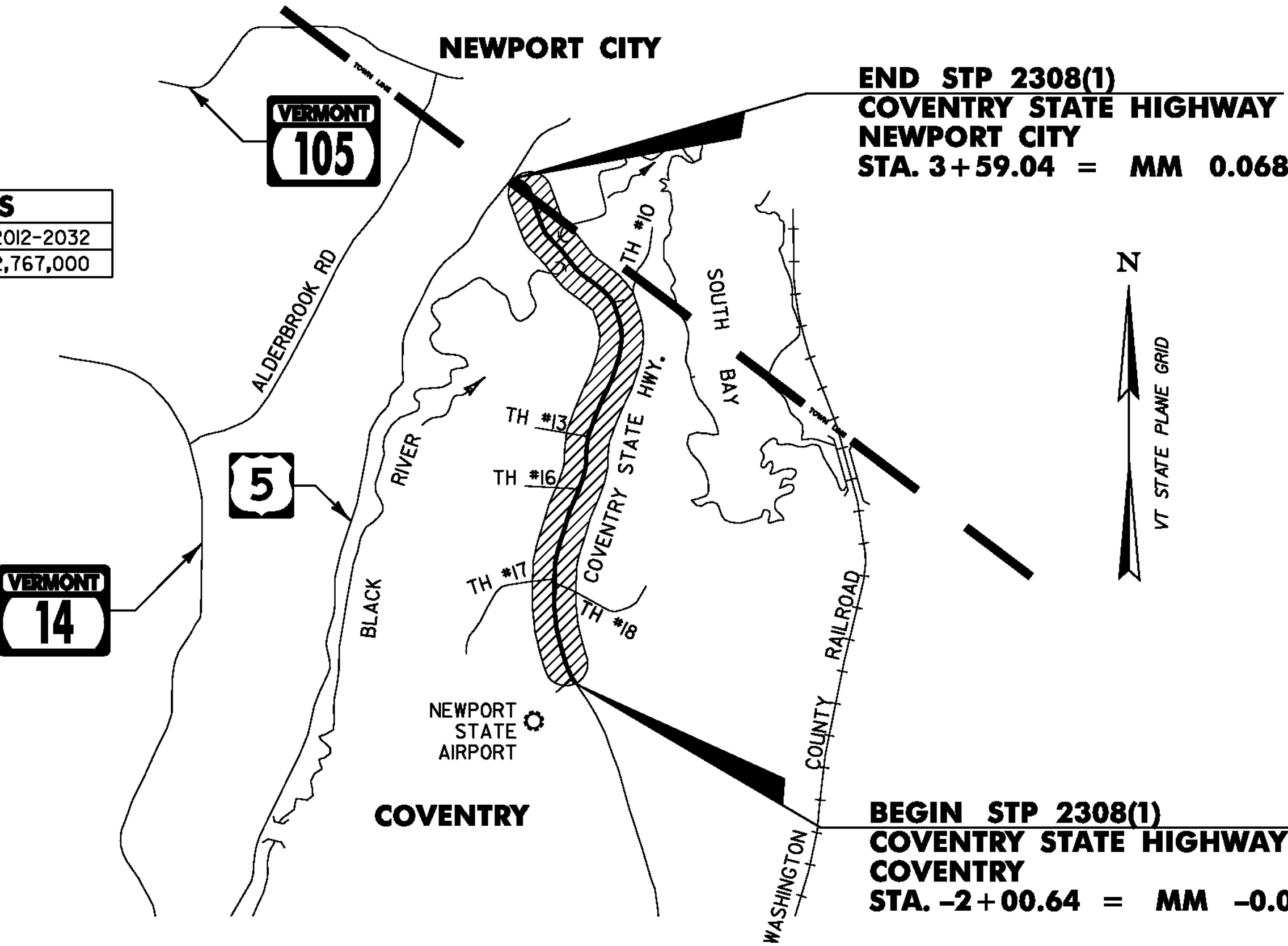
QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARDRAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
UTILITY POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : VERMONT SURVEY &
ENGINEERING
SURVEYED DATE : 2010

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83 (2007)



SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	2,767,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND SPECIAL PROVISIONS



PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : COVENTRY-NEWPORT CITY
PROJECT NUMBER : STP 2308 (1)

SHEET 5 OF 107 SHEETS

C 9301 1993

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	268565.586 m	881118.927 ft	880468.406 ft
E	521713.407 m	1711654.737 ft	1713037.647 ft
Z	209.510 m	687.37 ft	687.37 ft

GENERAL LOCATION, COVENTRY, VT.

TO REACH FROM THE INTERSECTION OF U.S. ROUTE 5 AND AIRPORT ROAD (SA 2) IN COVENTRY GO SOUTH ALONG AIRPORT ROAD FOR 0.8 MI (1.3 KM) TO A GRAVEL ROAD EAST AND THE MARK IN THE SOUTHEAST QUADRANT OF THE INTERSECTION. THE STATION IS SET INTO THE TOP OF A 30 CM CONCRETE MONUMENT, 1.5M (4.9 FT) DEEP, FLUSH WITH THE GROUND, AND 2 FT (0.6 M) LOWER THAN AIRPORT ROAD. IT IS 42.2 FT (12.9 M) EAST NORTHEAST OF THE CENTERLINE OF AIRPORT ROAD, 39.0 FT (11.9 M) SOUTH OF THE CENTERLINE OF THE GRAVEL ROAD, 66.0 FT (20.1 M) SOUTH SOUTHEAST OF POLE NUMBER 9-1/9/60, 23.7 FT (7.2 M) SOUTH OF A SIGN (LLL 24,000 POUNDS), AND 1 FT (0.3 M) WEST OF A FIBERGLASS WITNESS POST.

DESCRIPTIONS PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT.

PORT 2 1986

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	265701.314 m	871721.729 ft	871721.728 ft
E	521545.608 m	1711104.216 ft	1711104.216 ft
Z	281.338 m	923.02 ft	923.02 ft

GENERAL LOCATION, AIRPORT, COVENTRY, VT

TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 5 SOUTH AND STATE HIGHWAY 105 WEST IN SOUTHWEST NEWPORT, GO SOUTHERLY ON HIGHWAY 5 FOR 1.4 KM (0.9 MI) TO A PAVED ROAD LEFT, AIRPORT ROAD. TURN LEFT AND GO EAST AND SOUTH FOR 4.3 KM (2.7 MI) TO A PAVED DRIVE RIGHT, ENTRANCE TO AIRPORT. TURN RIGHT AND GO WEST ON THE DRIVE FOR 0.2 KM (0.1 MI) TO THE AIRPORT TERMINAL ON THE LEFT AND A GATE. PASS THROUGH THE GATE AND CONTINUE WEST ACROSS APRON AND THE RAMP TO THE RUNWAY. (TO REACH THE AZIMUTH MARK TURN LEFT AND GO SOUTH ON THE RUNWAY FOR 0.5 KM (0.3 MI) TO THE END OF THE RUNWAY AND THE MARK ON THE LEFT.) TURN RIGHT AND GO NORTH FOR 0.3 KM (0.2 MI) TO THE WINDSOCK AND THE STATION ON THE RIGHT.

THE STATION IS A STANDARD NGS DISK STAMPED PORT 2 1986, SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 30 CM IN DIAMETER RECESSED 3 CM BELOW GROUND. LOCATED 4.11 METERS (13.5 FT) NORTH NORTHWEST FROM THE WINDSOCK AND 0.76 METERS (2.5 FT) SOUTHWEST FROM THE WITNESS POST.

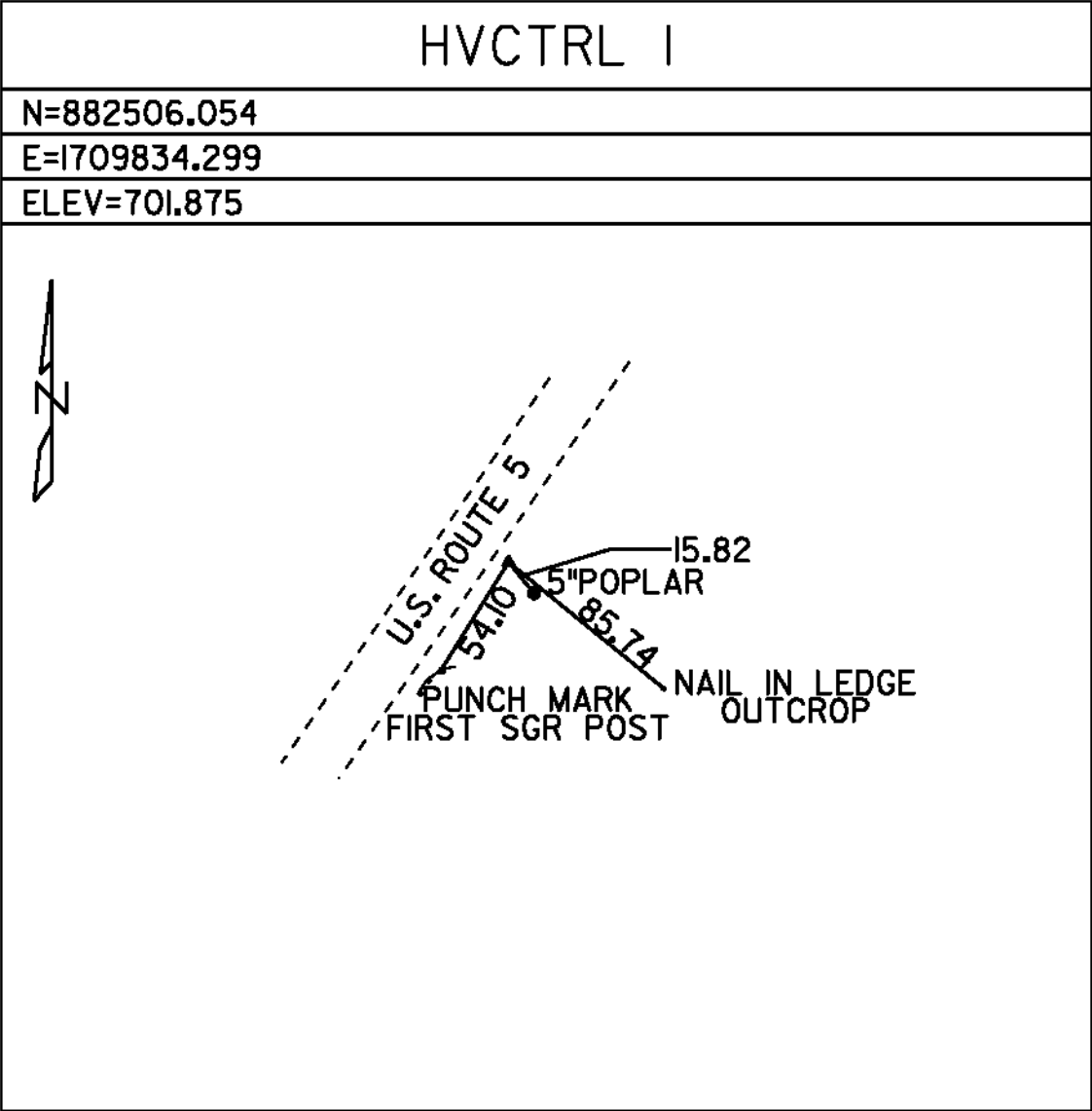
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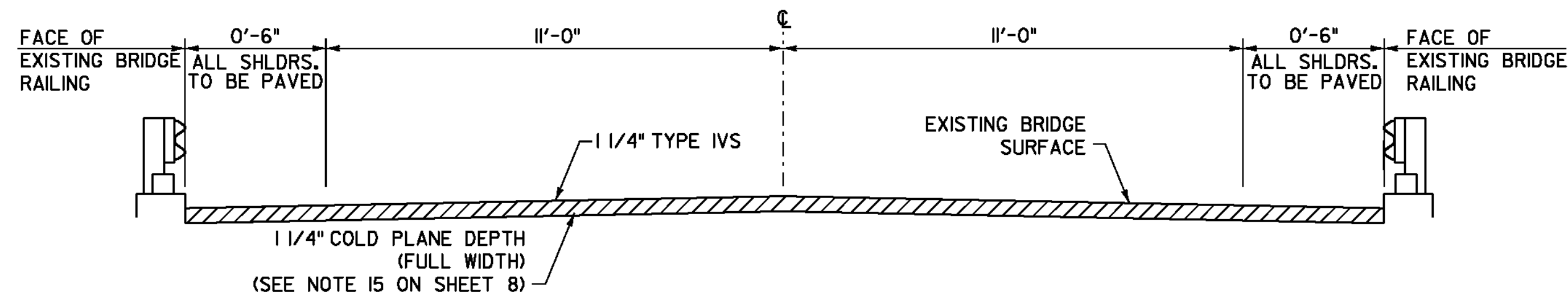
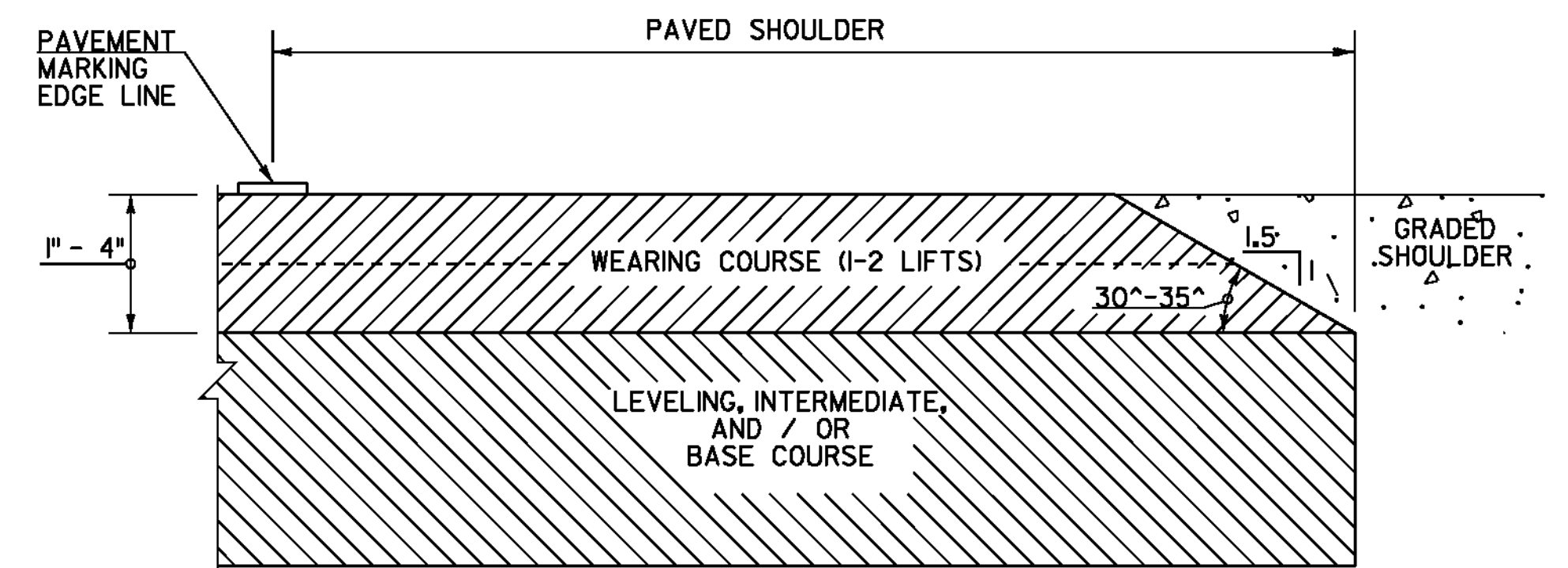
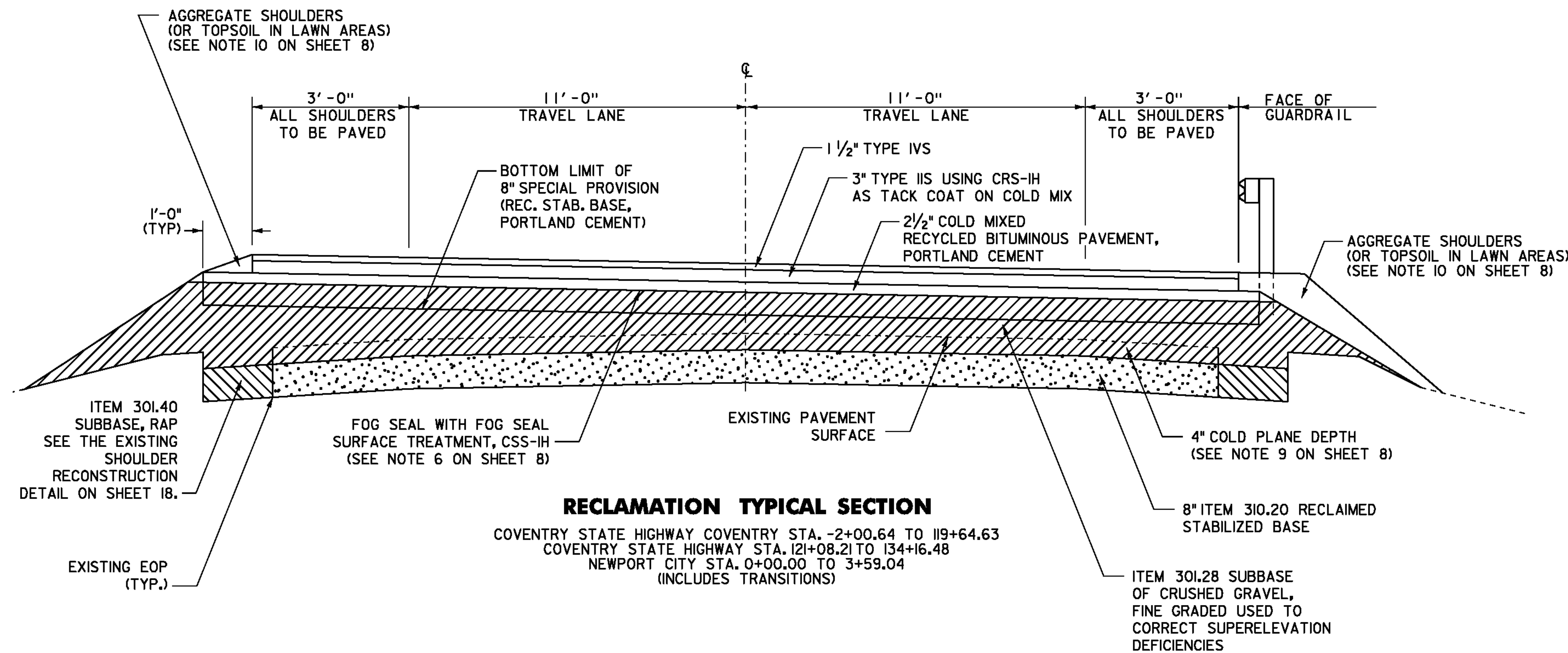
DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	269336.410 m	883647.871 ft	883638.674 ft
E	521447.631 m	1710782.769 ft	1710548.396 ft
Z	213.095 m	699.13 ft	699.13 ft

GENERAL LOCATION, COVENTRY, VT

TO REACH FROM THE INTERSECTION OF US ROUTE 5 SOUTH AND VT ROUTE 105 WEST IN NEWPORT, GO SOUTH ALONG US ROUTE 5 FOR 0.8 MI (1.3 KM) TO THE SITE OF THE MARK ON THE RIGHT. IT IS ABOUT 47.0 M (154.2 FT) NORTHEAST OF THE INTERSECTION OF US ROUTE 5 AND AIRPORT ROAD. TO REACH FROM THE INTERSECTION OF US ROUTE 5 AND VT ROUTE 14 IN COVENTRY, GO NORTH ALONG US ROUTE 5 FOR 4.3 MI (6.9 KM) TO THE SITE OF THE MARK ON THE LEFT.

THE MARK IS SET IN THE TOP OF A MASSIVE ROCK OUTCROP. IT IS 5.3 M (17.4 FT) NORTHWEST OF AND ABOUT 1.0 M (3.3 FT) HIGHER THAN THE CENTERLINE OF US ROUTE 5, 26.0 M (85.3 FT) WEST OF THE CENTERLINE OF A GRAVEL DRIVE LEADING TO THE NORTHEAST END OF THE NEVTEC BUILDING, 0.6 M (2.0 FT) NORTHWEST OF THE LEDGE FACE, 0.5 M (1.6 FT) EAST OF A 15 CM (6 INCHES) POPLAR, AND 0.8 M (2.6 FT) NORTHWEST OF A FIBERGLASS WITNESS POST.





ASPHALTIC PLUG JOINT LOCATIONS
 (SEE STRUCTURES DETAIL SD-516.10)
 BR 1 COVENTRY STA. 119+64.63 (33 LF)
 BR 1 COVENTRY STA. 121+08.21 (35 LF)

TYPICAL ORDER OF OPERATIONS FOR RECLAIMED STABILIZED BASE WITH PORTLAND CEMENT PAVEMENT REHABILITATION

STEP	DESCRIPTION	PAYMENT ITEM(S)
1	COLD PLANE 4" EXISTING BITUMINOUS CONCRETE PAVEMENT	ITEM 210.10 COLD PLANING BITUMINOUS PAVEMENT
2	REPAIR EXISTING SHOULDERS AS DIRECTED BY THE RESIDENT ENGINEER	ITEM 301.40 SUBBASE, RAP
3	RECLAIM EXISTING ROAD BED 8" USING WATER FOR STABILIZATION AND COMPACTION	ITEM 310.20 RECLAIMED STABILIZED BASE
4	CORRECT SUPERELEVATION DEFICIENCIES	ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED
5	PLACE PORTLAND CEMENT ON ROAD BED SURFACE AND RECLAIM ROAD BED 8". CURE, MICROCRACK AND APPLY FOG SEAL SURFACE TREATMENT	ITEM 900.675 SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT), ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION) AND ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)
6	PLACE 2.5" COLD MIXED RECYCLED PAVEMENT, PORTLAND CEMENT	ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)
7	PLACE 3" TYPE IIS USING CRS-IH AS TACK COAT ON COLD MIX	ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH)
8	PLACE 1 1/2" TYPE IVS WEARING COURSE	ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT

NOTE: THIS LIST OF PROCEDURES FOR REHABILITATING THE EXISTING ROADBED ARE PRESENTED FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL PREPARE THEIR OWN SCHEDULE OF OPERATIONS TO COMPLETE THE PROPOSED WORK UTILIZING THE APPROPRIATE PAY ITEMS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

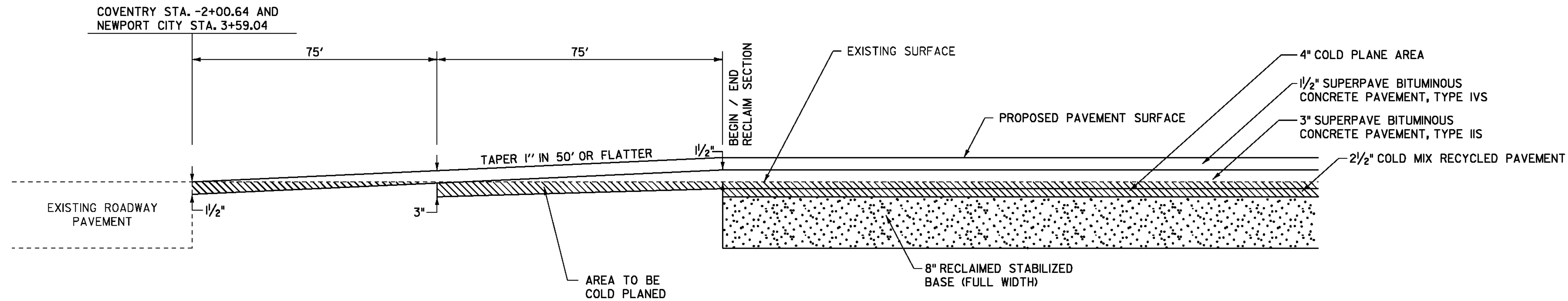


NOT TO SCALE

**PROJECT
TYPICAL
SHEET #1**

PROJECT NAME: COVENTRY-NEWPORT CITY
 PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p01c052pts01.i
 PLOT DATE: 18-MAY-2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 7 OF 107



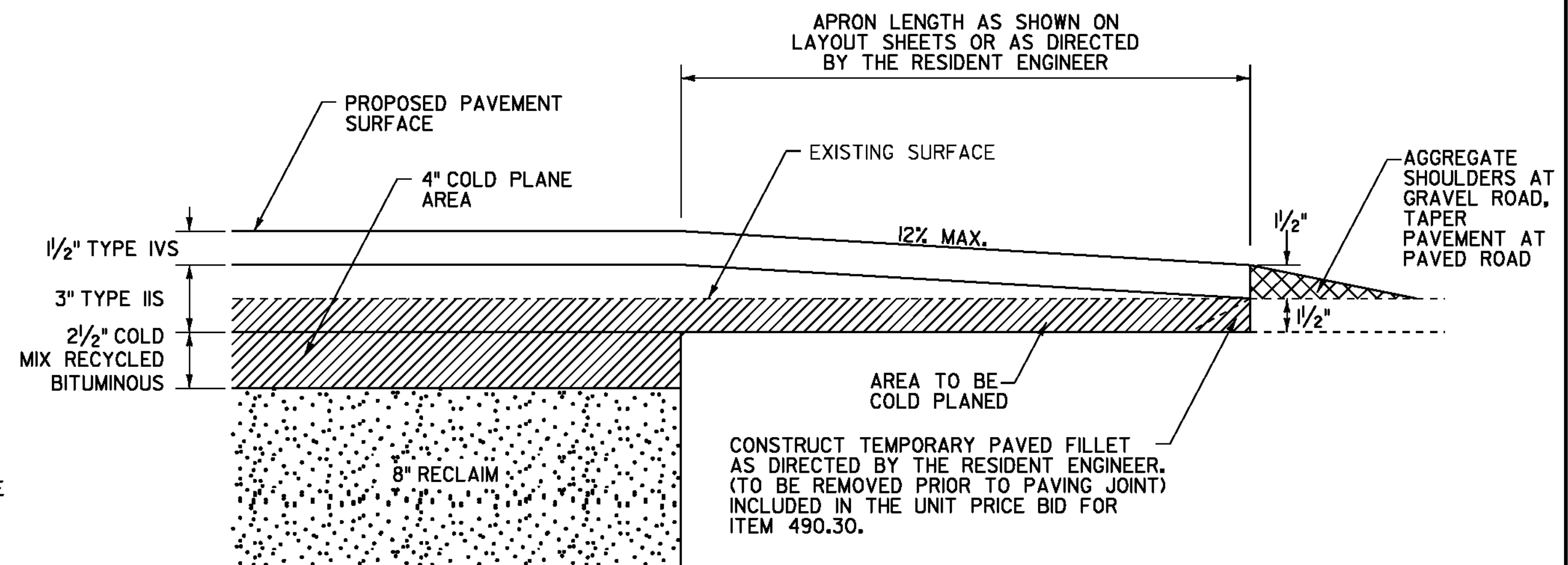
COLD PLANING / RECLAMATION TRANSITION AREA DETAIL

FULL ROADWAY WIDTH
COVENTRY STA. -2+00.64 TO -0+50.64
NEWPORT CITY STA. 2+09.04 TO 3+59.04

NOTES

- THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE INTERMEDIATE COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IIS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- FOR THE PURPOSES OF QUANTITY CALCULATION IT HAS BEEN ASSUMED ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) WILL REQUIRE 4% BY WEIGHT OF ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX. FOR THE SAME PURPOSE IT HAS ALSO BEEN ASSUMED 2% BY WEIGHT OF PORTLAND CEMENT WILL BE REQUIRED BY MIX DESIGN.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = $\pm 1/4"$. (TOTAL THICKNESS EXCLUDING LEVELING). SUBBASE OF CRUSHED GRAVEL, FINE GRADED TOLERANCE = ± 1 INCH (TOTAL SUBBASE THICKNESS)
- EDGES OF NEW PAVEMENT SHALL INCLUDE A SAFETY EDGE AS SHOWN ON THE DETAIL ON SHEET 7.
- EMULSIFIED ASPHALT, TYPE CRS-IH, SHALL BE APPLIED AS A TACK COAT ON THE COLD MIXED RECYCLED PAVEMENT AT A RATE OF 0.04 TO 0.06 GAL/SY. EMULSIFIED ASPHALT TYPE CRS-IH OR RSI-H SHALL BE APPLIED AS A TACK COAT BETWEEN THE 3" INTERMEDIATE COURSE AND THE 1 1/2" WEARING COURSE OF SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AT A RATE OF 0.025 TO 0.04 GAL/SY. BOTH APPLICATIONS WILL BE PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH).
- ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT) SHALL BE APPLIED ON THE SURFACE OF THE RECLAIMED STABILIZED BASE, PORTLAND CEMENT AT THE RATE OF 0.15 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO THE DEPTH OF RECLAIMING OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH 8" ITEM 301.40 SUBBASE, RAP.
- A QUANTITY OF ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED HAS BEEN INCLUDED FOR THE PROVISION OF IMPROVING GRADATION DEFICIENCIES AND/OR CORRECTING SUPERELEVATION, AS NECESSARY, OR AS DIRECTED BY THE RESIDENT ENGINEER. THE COST ASSOCIATED WITH PROVIDING ADDITIONAL SUBBASE OF CRUSHED GRAVEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION) SHALL BE ADDED TO THIS SUBBASE MATERIAL AT A RATE OF 4% (BY WEIGHT) OF THE SUBBASE MATERIAL OR AS DIRECTED BY THE RESIDENT ENGINEER. THIS MIXED MATERIAL SHALL THEN BE RECLAIMED INTO THE PREVIOUSLY PLACED RECLAIMED STABILIZED BASE. PAYMENT FOR THIS SECOND RECLAIMING OPERATION WILL BE PAID AS ITEM 900.675 SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT).
- COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING OF THE PROJECT BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON SHEET 9.
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDERS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS. IN LAWN AREAS, ITEM 651.35 TOP SOIL SHALL BE USED AS DIRECTED BY THE RESIDENT ENGINEER.

- ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL AND ITEM 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE AREA. THE AMOUNT OF 25 CUBIC YARDS OF EARTH BORROW HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END SECTION FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL PAVED AND GRAVEL RESIDENTIAL AND COMMERCIAL DRIVES SHALL RECEIVE A 4' PAVED APRON, AND ALL FIELD DRIVES SHALL RECEIVE A 2' PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. FOR DETAILS SEE SHEET 15. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 900.675, SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES). ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS, UNDERDRAIN OUTLETS, AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
- 3' - 7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 621.20 "STEEL BEAM GUARDRAIL, GALVANIZED" AND ITEM 621.205 "STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS".
- THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE RESIDENT ENGINEER SHALL CONTACT THE VTRANS CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE. IF THE CONTRACTOR IS DETERMINED BY THE RESIDENT ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE STATE.



SIDE ROAD AREA DETAIL - TOWN HIGHWAYS FULL WIDTH OF TOWN HIGHWAY

NOTE: THIS DETAIL SHALL BE USED FOR THE SIDE ROADS LISTED BELOW AS DIRECTED BY THE RESIDENT ENGINEER.

AIRPORT ROAD (SA 2) COVENTRY STA. 0+00, LT
LARAMEE ROAD (T.H. 18) COVENTRY STA. 27+15, RT
BILLINGS POINT ROAD (T.H. 10) COVENTRY STA. 98+85, RT

NOT TO SCALE

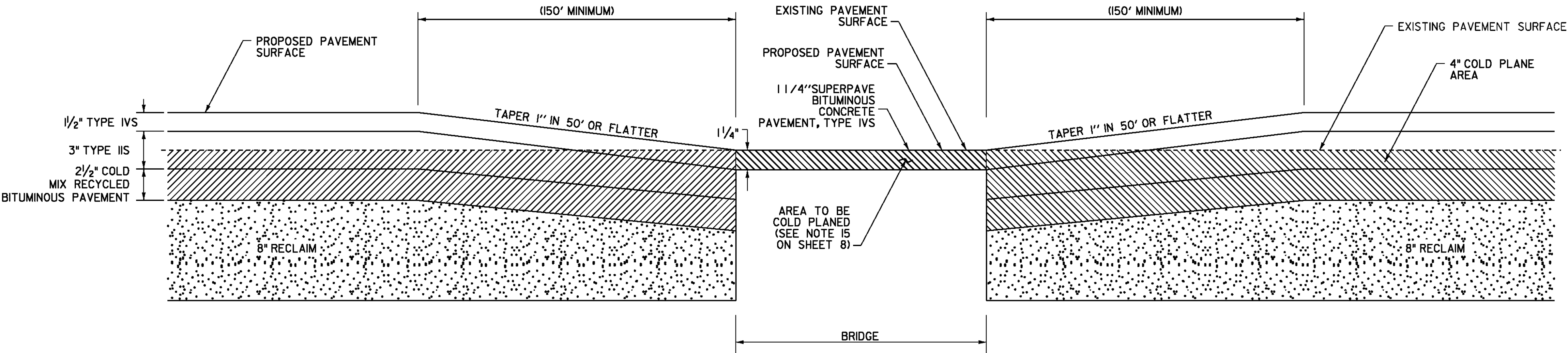


PROJECT TYPICAL SHEET #2

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052pts02.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 8 OF 107



RECLAMATION / COLD PLANING TRANSITION DETAIL AT BRIDGE #1

COVENTRY STA. 118+14.63 TO 119+64.63
COVENTRY STA. 121+08.21 TO 122+58.21

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

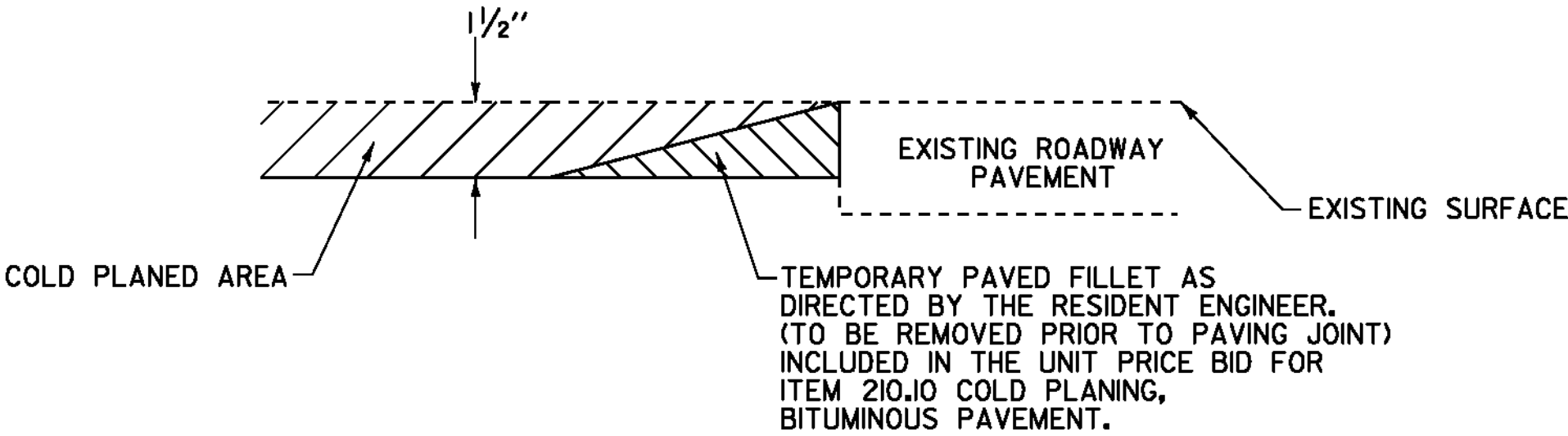
SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.



DETAIL AT VERTICAL COLD PLANE JOINTS (1 1/2" DEPTH)

FULL ROADWAY WIDTH

COVENTRY STA. -2+00.64 (BEGIN PROJECT)
NEWPORT CITY STA. 3+59.04 (END PROJECT)

NOT TO SCALE

PROJECT
TYPICAL
SHEET #3

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052pts03.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 9 OF 107



STATE OF VERMONT AGENCY OF TRANSPORTATION						QUANTITY SHEET 1									
SUMMARY OF ESTIMATED QUANTITIES						TOTALS	DESCRIPTIONS								
	ROADWAY (STATE ROUTE)	EROSION CONTROL	BRIDGE ITEMS	FULL C.E. ITEMS	ROADWAY (CLASS I T.H.)	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND					
	150					150	CY	EARTH BORROW	203.30	-					
	80					80	CY	TRENCH EXCAVATION OF EARTH	204.20	6.3					
	20					20	CY	TRENCH EXCAVATION OF ROCK	204.21	1.6					
	1					1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-					
	40075				1125	41200	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	405					
	1704				6	1710	TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	25					
	4230				120	4350	TON	SUBBASE, RAP	301.40	46.7					
	41800				700	42500	SY	RECLAIMED STABILIZED BASE	310.20	483					
	1435				35	1470	TON	AGGREGATE SHOULDERS	402.12	21					
	1					1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-					
	5210				90	5300	CWT	EMULSIFIED ASPHALT, COLD MIX	415.25	45					
	11130				370	11500	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	122					
	1				1	2	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-					
	1					1	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-					
	1					1	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-					
	1					1	LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-					
			70			70	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	2					
			300			300	LF	REMOVAL OF EXISTING RAILING	525.10	12.5					
			300			300	LF	BRIDGE RAILING REPAIR, TYPE I	525.50	12.5					
			100			100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	-					
	340					340	LF	6 INCH UNDERDRAIN PIPE	605.10	8					
	20					20	LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	2					
	19				1	20	HR	POWER GRADER RENTAL	608.15	EST.					
	136				4	140	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.					
	14				1	15	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.					
	160				5	165	HR	TRUCK RENTAL	608.37	EST.					
	14				1	15	HR	LOADER RENTAL, TYPE I	608.40	EST.					
		570				570	CY	STONE FILL, TYPE I	613.10	13					
	7				1	8	EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-					
	30					30	EACH	YIELDING MARKER POSTS	619.17	EST.					
	925					925	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	17					
	550					550	LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	21					
	150					150	LF	HD STEEL BEAM GUARDRAIL, GALVANIZED	621.21	20					
	6					6	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-					
	1200					1200	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	14.5					
	510					510	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.					
	2250					2250	HR	FLAGGERS	630.15	EST.					
DETAILED SUMMARY OF QUANTITIES															
QUANTITIES	UNIT	ITEMS													
		COLD PLANING BITUMINOUS PAVEMENT													
38782	SY	COVENTRY (STATE HIGHWAY)													
398	SY	RECLAIM TRANSITION AREA													
373	SY	BRIDGE													
129	SY	SIDE ROADS													
393	SY	ROUNDING													
40075	SY	SUBTOTAL													
606	SY	NEWPORT CITY (CLASS I T.H.)													
507	SY	RECLAIM TRANSITION AREA													
12	SY	ROUNDING													
1125	SY	SUBTOTAL													
41200	SY	TOTAL													
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT													
7267	TON	COVENTRY (STATE HIGHWAY) (BINDER TYPE IIS)													
39	TON	SIDE ROADS (BINDER TYPE IIS)													
3658	TON	MAINLINE (WEARING TYPE IVS)													
27	TON	BRIDGE (WEARING TYPE IVS)													
26	TON	SIDE ROADS (WEARING TYPE IVS)													
113	TON	ROUNDING													
11130	TON	SUBTOTAL													
258	TON	NEWPORT CITY (CLASS I T.H.) (BINDER TYPE IIS)													
103	TON	MAINLINE (WEARING TYPE IVS)													
9	TON	ROUNDING													
370	TON	SUBTOTAL													
11500	TON	TOTAL													
		STONE FILL, TYPE I													
386	CY	COVENTRY (STATE HIGHWAY) DITCH CLEANING													
171	CY	COVENTRY (STATE HIGHWAY) SLOPE EROSION PREVENTION													
13	CY	ROUNDING													
570	CY	TOTAL													
PROJECT NAME: COVENTRY-NEWPORT CITY															
PROJECT NUMBER: STP 2308(I)															
FILE NAME: p10c052.dgn												PLOT DATE: 24-MAY-2012			
PROJECT LEADER: JLL												DRAWN BY: STANTEC			
DESIGNED BY: STANTEC												CHECKED BY: STANTEC			
IPARM FILE: p01c052qs01.i												SHEET 10 OF 107			

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES						TOTALS	DESCRIPTIONS			
	ROADWAY (STATE ROUTE)	EROSION CONTROL	BRIDGE ITEMS	FULL C.E. ITEMS	ROADWAY (CLASS I T.H.)	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
				1		1	LS	FIELD OFFICE, ENGINEERS	631.10	-
				1		1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
				3000		3000	DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-
	1					1	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
	1					1	LS	TRAFFIC CONTROL	641.10	-
	1				2	3	EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
								BEGIN OPTION AA		
	27345				725	28070	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	280
	27345				725	28070	LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	280
	27345				725	28070	LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	280
								END OPTION AA		
								BEGIN OPTION BB		
	24475				725	25200	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	254
	24475				725	25200	LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	254
	24475				725	25200	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	254
								END OPTION BB		
								BEGIN OPTION CC		
	45					45	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	3
	45					45	LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	3
	45					45	LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	3
								END OPTION CC		
								BEGIN OPTION DD		
	17					17	EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
	17					17	EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-
	17					17	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-
								END OPTION DD		
	109400				2900	112300	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	1139
	97900				2900	100800	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	1016
	170					170	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	2
	68					68	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
	1310				40	1350	EACH	LINE STRIPING TARGETS	646.76	17
		2560				2560	SY	GEOTEXTILE UNDER STONE FILL	649.31	29
	184				6	190	LB	SEED	651.15	5
	580				20	600	LB	FERTILIZER	651.18	12
	2.5				0.5	3	TON	AGRICULTURAL LIMESTONE	651.20	0.8
	2.5				0.5	3	TON	HAY MULCH	651.25	1.1
	108				2	110	CY	TOPSOIL	651.35	8.7

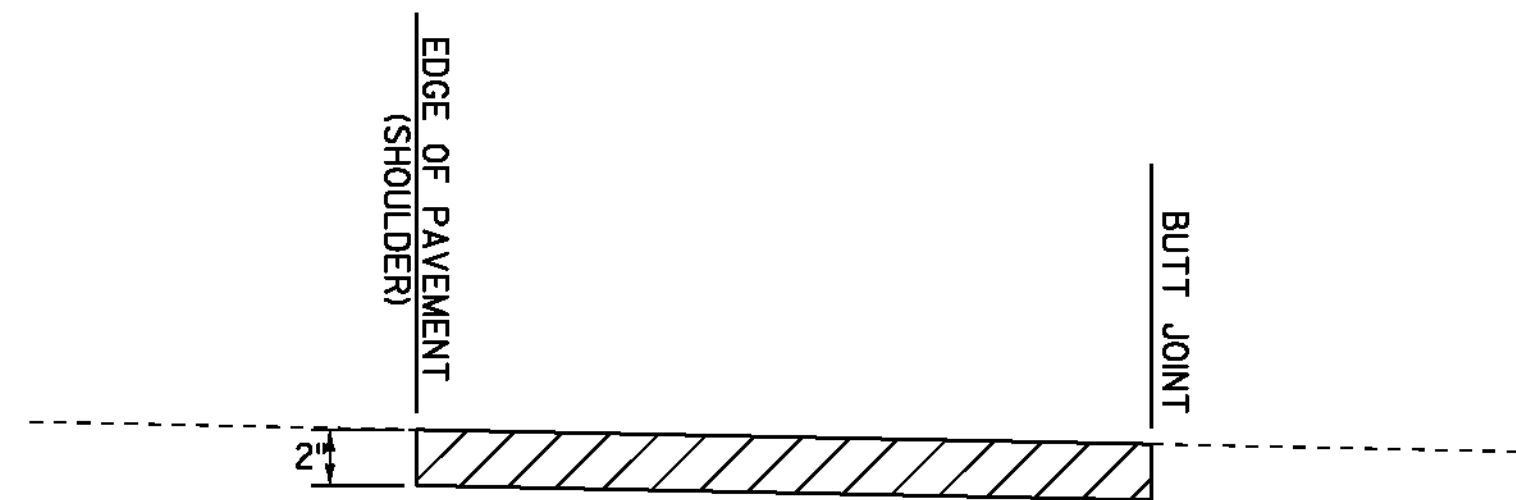
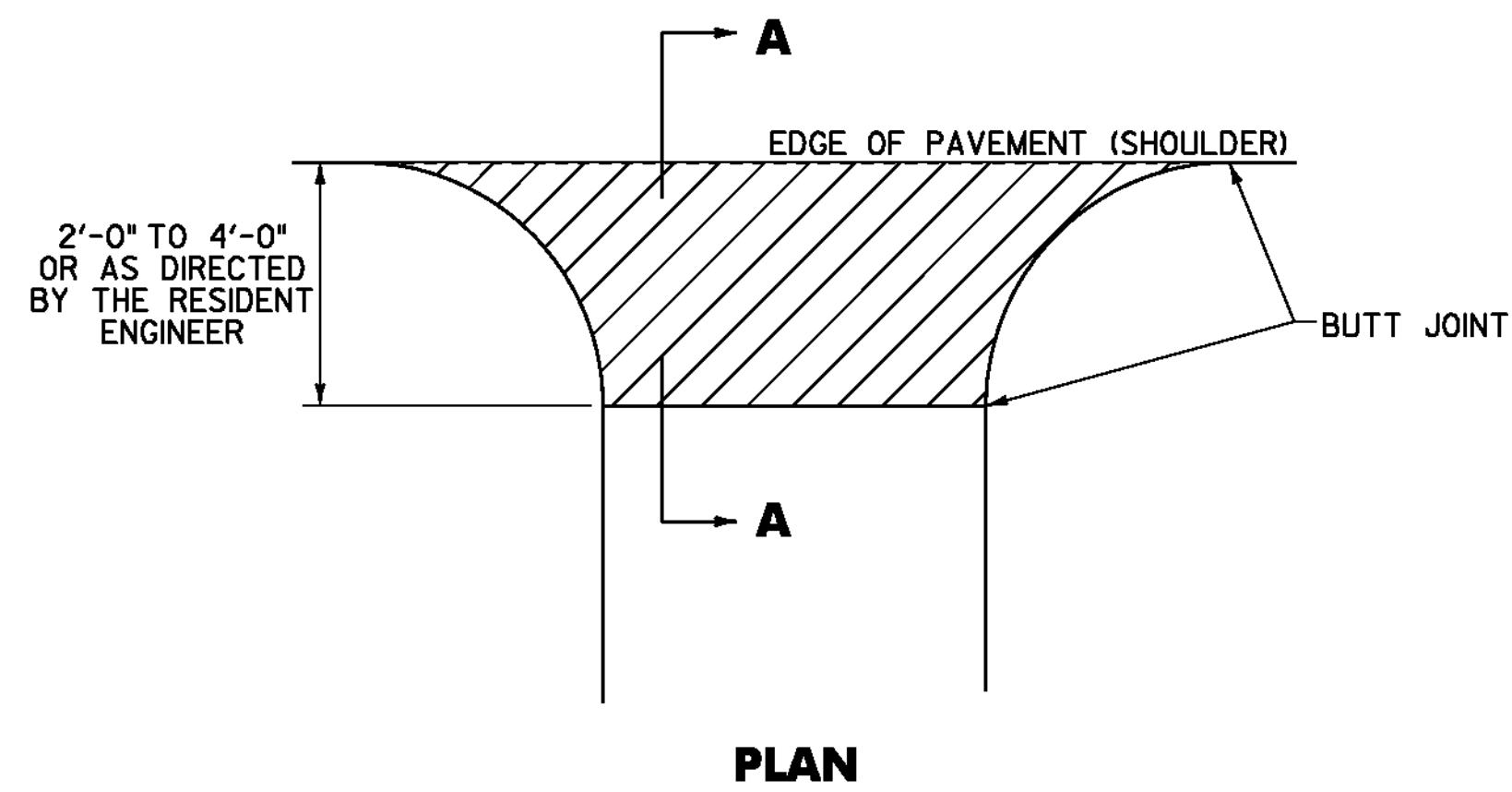
DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		GEOTEXTILE UNDER STONE FILL
1733	SY	COVENTRY (STATE HIGHWAY) DITCH CLEANING
798	SY	COVENTRY (STATE HIGHWAY) SLOPE EROSION PREVENTION
29	SY	ROUNDING
2560	SY	TOTAL
		SEED
49	LB	COVENTRY (STATE HIGHWAY) DITCH CLEANING
1	LB	COVENTRY (STATE HIGHWAY) SLOPE EROSION PREVENTION
129	LB	COVENTRY (STATE HIGHWAY) TURF ESTABLISHMENT
5	LB	ROUNDING
184	LB	SUBTOTAL
3	LB	NEWPORT CITY (CLASS I T.H.) DITCH CLEANING
3	LB	NEWPORT CITY (CLASS I T.H.) TURF ESTABLISHMENT
-	LB	ROUNDING
6	LB	SUBTOTAL
190	LB	TOTAL
PROJECT NAME: COVENTRY-NEWPORT CITY		
PROJECT NUMBER: STP 2308(I)		
FILE NAME: p10c052.dgn		
PLOT DATE: 18-MAY-2012		
PROJECT LEADER: JLL		
DRAWN BY: STANTEC		
DESIGNED BY: STANTEC		
CHECKED BY: STANTEC		
IPARM FILE: p01c052qs02.i		
SHEET 11 OF 107		

QUANTITY SHEET 3

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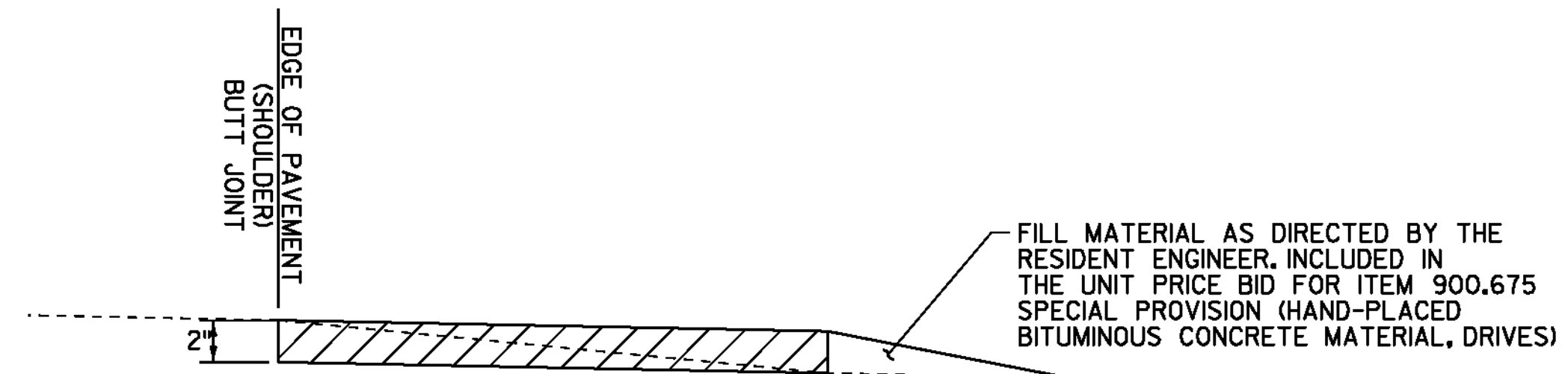
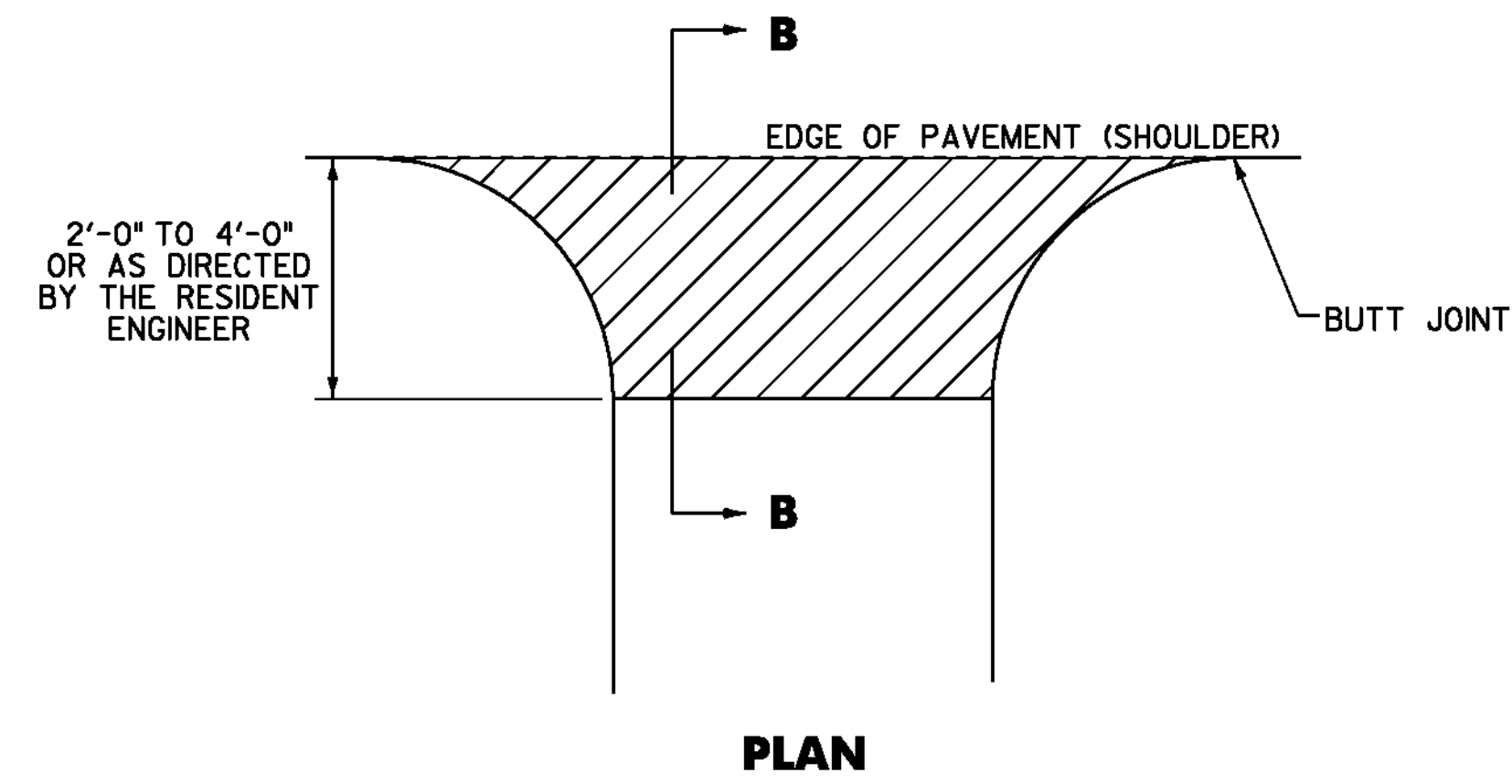
ITEM DETAIL SUMMARY SHEET

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SECTION A-A

HANDWORK DETAILS FOR PAVED DRIVES



SECTION B-B

HANDWORK DETAILS FOR GRAVEL DRIVES

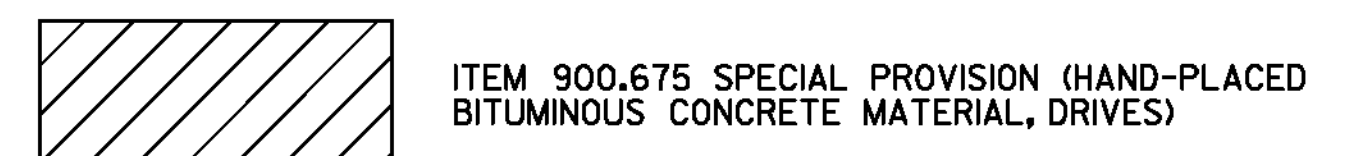
STATION	POSITION	QUANTITY (SY)
COVENTRY STATE HIGHWAY		
COVENTRY		
0+68	RT	12
0+96	LT	11
5+17	LT	10
7+12	RT	5
7+72	LT	12
12+28	LT	5
17+25	RT	11
20+75	RT	4
27+00	LT	31
29+64	LT	15
34+63	LT	8
36+00	RT	12
40+45	LT	5
44+66	LT	5
49+64	RT	17
51+24	RT	17
51+39	LT	5
55+29	RT	13
57+02	LT	45
63+99	LT	5
64+44	RT	17
73+87	LT	67
77+99	LT	53
87+17	LT	10
110+69	LT	3
114+37	LT	82
121+62	LT	22
133+81	LT	127
SUBTOTAL		629

STATION	POSITION	QUANTITY (SY)
COVENTRY STATE HIGHWAY (CONT.)		
NEWPORT CITY		
2+57	RT	39
3+45	LT	18
SUBTOTAL		57
SUBTOTAL		686
ROUNDING		14
TOTAL		700

NOTES:

- PAVING LIFT SHALL BE A MAXIMUM OF 2".
- THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR APPLY EMULSION, FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
- EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
- FIELD DRIVES 2'-0"; RESIDENTIAL AND COMMERCIAL DRIVES 4'-0"; OR AS DIRECTED BY THE RESIDENT ENGINEER.

LEGEND



NOT TO SCALE

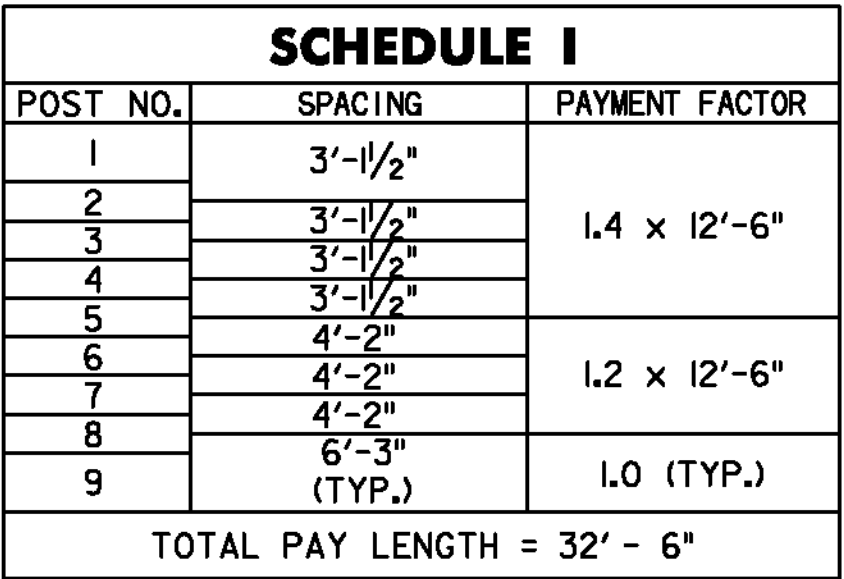
**DRIVE
DETAIL
SHEET**



PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052ds.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 15 OF 107

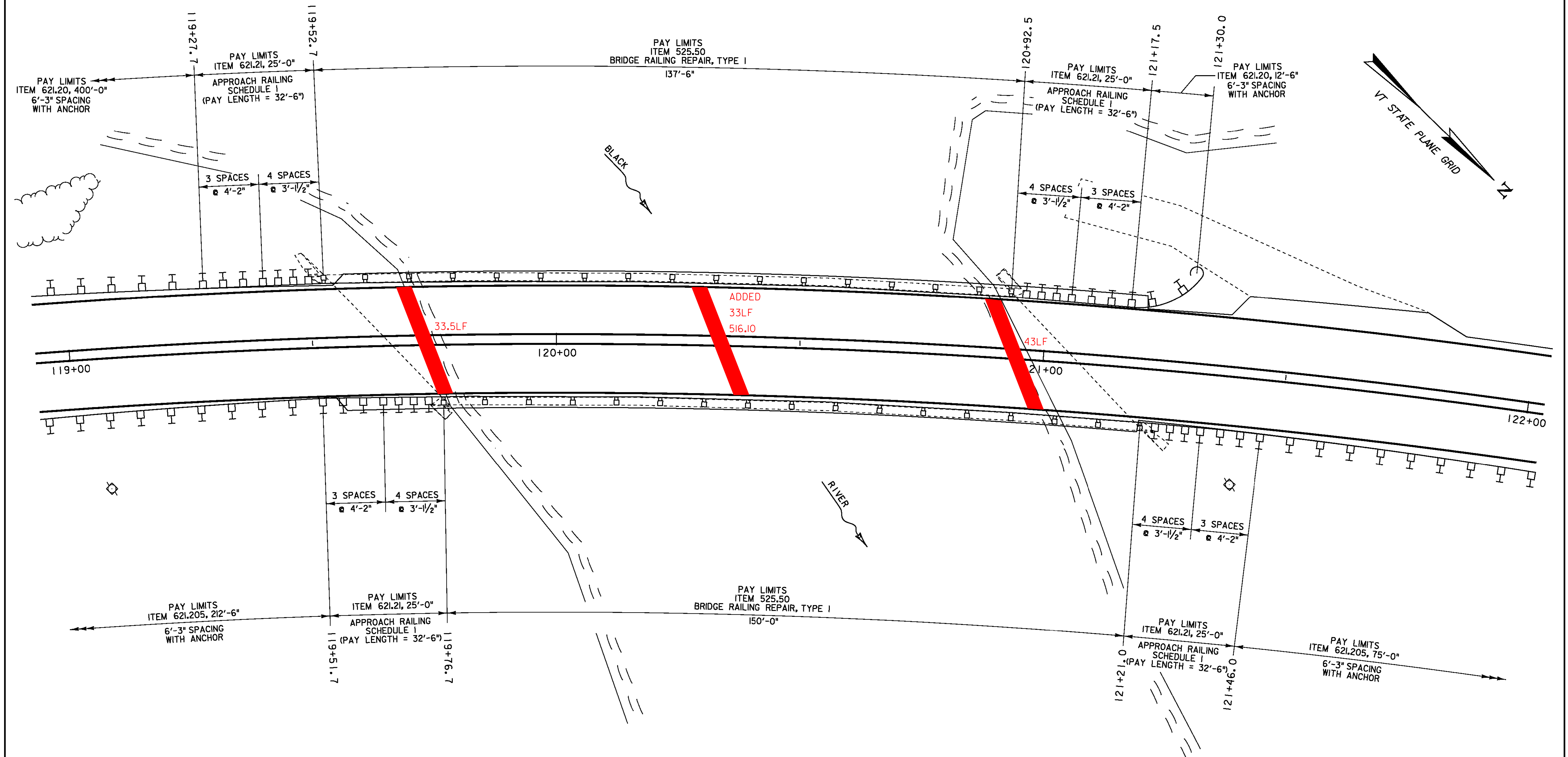
[illegible]

SCHEDULE I APPROACH RAILING SHALL BE USED WHEN
A RAIL PANEL SPLICE OCCURS AT POST NO. 1.
SCHEDULE II APPROACH RAILING SHALL BE USED WHEN
A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST.

1. SEE VAOT STANDARDS G-1 AND G-1d FOR ADDITIONAL DETAILS.
2. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM GUARDRAIL, GALVANIZED.
3. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25'.
4. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM GUARDRAIL, GALVANIZED FOR 25' FROM THE ENDS OF THE BRIDGE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.
5. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
6. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
7. SEE STANDARD SHEET G-1 FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK AND OFFSET BLOCK TO BRIDGE POST.
8. SEE STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
9. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
10. ALL HEAVY DUTY STEEL BEAM BRIDGE RAIL, OFFSET BLOCKS AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE APPROPRIATE BRIDGE RAILING ITEMS AS DENOTED IN THE PLANS.
11. ALL STEEL POSTS, PLATES, OFFSET BLOCKS AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH SUBSECTION 732.04, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO AASHTO A-123.
12. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10.

NOT TO SCALE

FILE NAME: p01c052.dgn	PLOT DATE: 18-MAY-2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p01c052bds01.i	SHEET 16 OF 107



BR 1 COVENTRY MM 2.279 = STA. 120+33

NOT TO SCALE

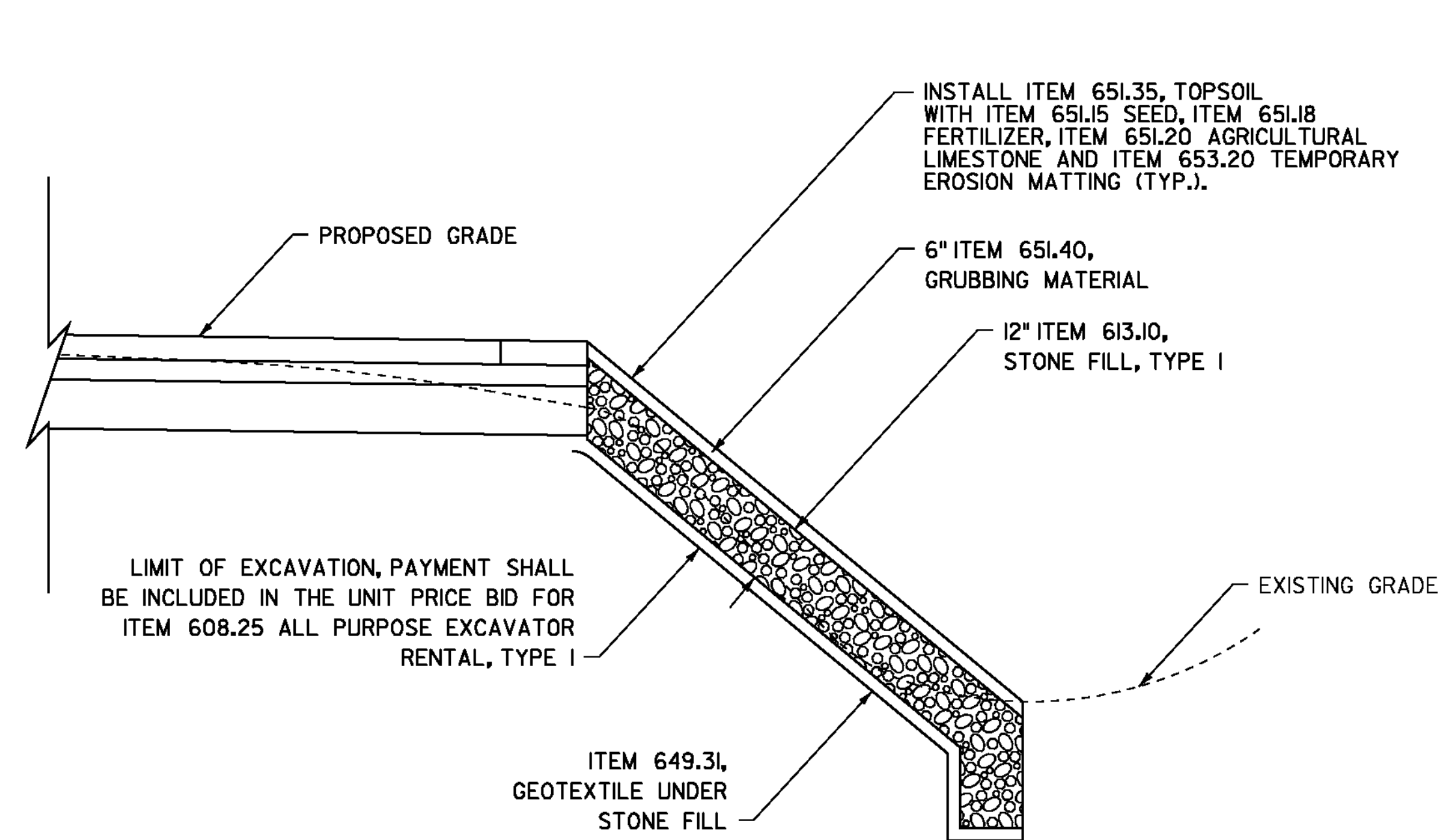


BRIDGE DETAIL SHEET #2

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052bds02.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 17 OF 107

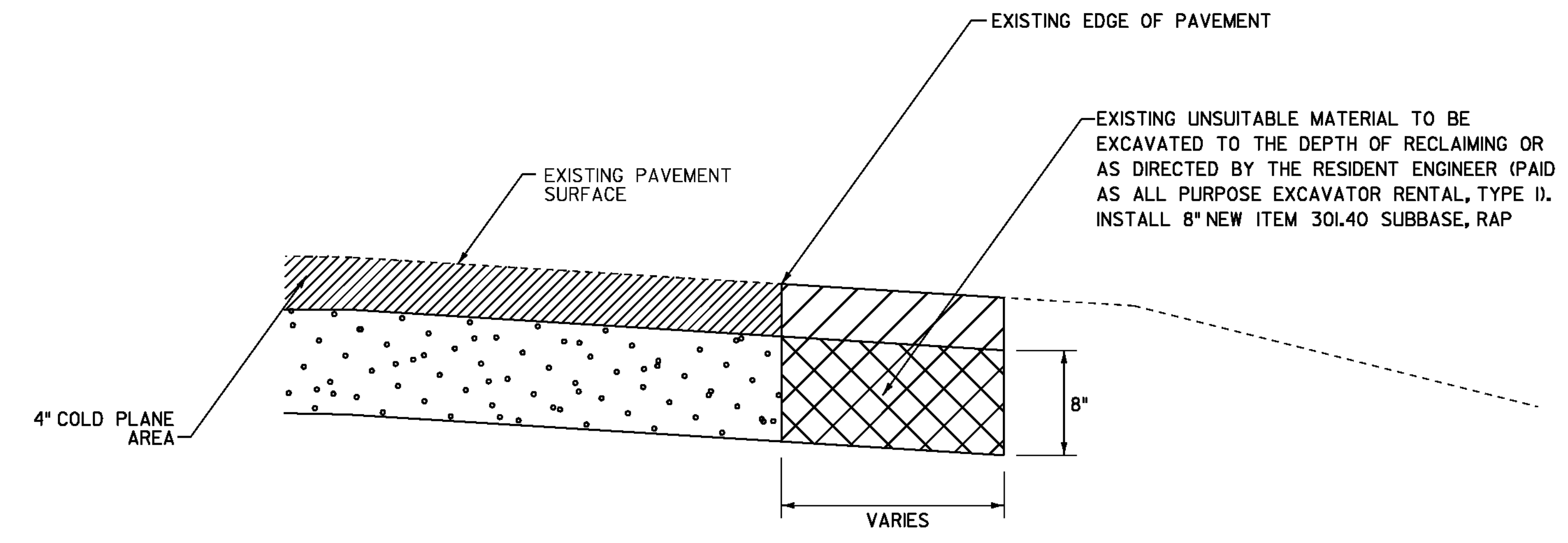


SLOPE EROSION PREVENTION DETAIL

NOTE:

1: STONE FILL, TYPE I, TO BE PLACED ON SLOPES STEEPER THAN 1:1.5 AS FOLLOWS:

- COVENTRY
- STA. 41+75 TO 44+75, RT
- STA. 68+25 TO 69+25, LT
- STA. 106+75 TO 108+25, LT
- STA. 117+25 TO 118+25, RT
- STA. 125+25 TO 127+25, RT



EXISTING SHOULDER RECONSTRUCTION

EXISTING CULVERT INVENTORY TABLE
(PROVIDED FOR INFORMATIONAL PURPOSES ONLY)

INVERT IN				INVERT OUT					
STATION	POSITION	OFFSET FROM HCL	ELEVATION	STATION	POSITION	OFFSET FROM HCL	ELEVATION	PIPE SIZE	MATERIAL
1+72.0	LEFT	19.8	898.77	1+69.7	RIGHT	21.1	898.22	12"	CMP
9+98.0	LEFT	33.6	895.85	10+10.8	RIGHT	35.7	894.84	24"	RCP
18+51.0	LEFT	24.8	903.36	18+53.0	RIGHT	27.7	901.97	18"	RCP
22+16.0	LEFT	29.8	902.39	22+16.1	RIGHT	32.3	900.47	18"	RCP
29+34.0	LEFT	20.6	904.95	29+37.3	RIGHT	19.5	904.29	12"	CMP
33+78.0	LEFT	24.7	884.77	33+79.0	RIGHT	24.6	883.69	18"	RCP
40+13.0	LEFT	24.2	864.35	40+12.8	RIGHT	30.7	862.25	24"	CPEP
43+71.0	LEFT	31.3	854.10	43+70.8	RIGHT	22.8	852.94	24"	RCP
48+86.0	LEFT	27.7	857.51	48+85.9	RIGHT	25.7	855.53	18"	CPEP
63+64.0	LEFT	19.6	820.83	63+70.2	RIGHT	24.1	819.87	15"	RCP
69+12.0	LEFT	29.6	778.80	69+14.7	RIGHT	39.3	777.98	30"	CMP
71+77.0	LEFT	35.7	776.67	71+76.3	RIGHT	49.5	774.13	18"	RCP
104+33.0	LEFT	19.8	683.74	104+33.8	RIGHT	25.2	682.95	15"	CMP
126+21.0	RIGHT	20.1	682.72	126+09.7	LEFT	20.5	682.02	15"	CMP



NOT TO SCALE

**MISCELLANEOUS
DETAIL
SHEET**

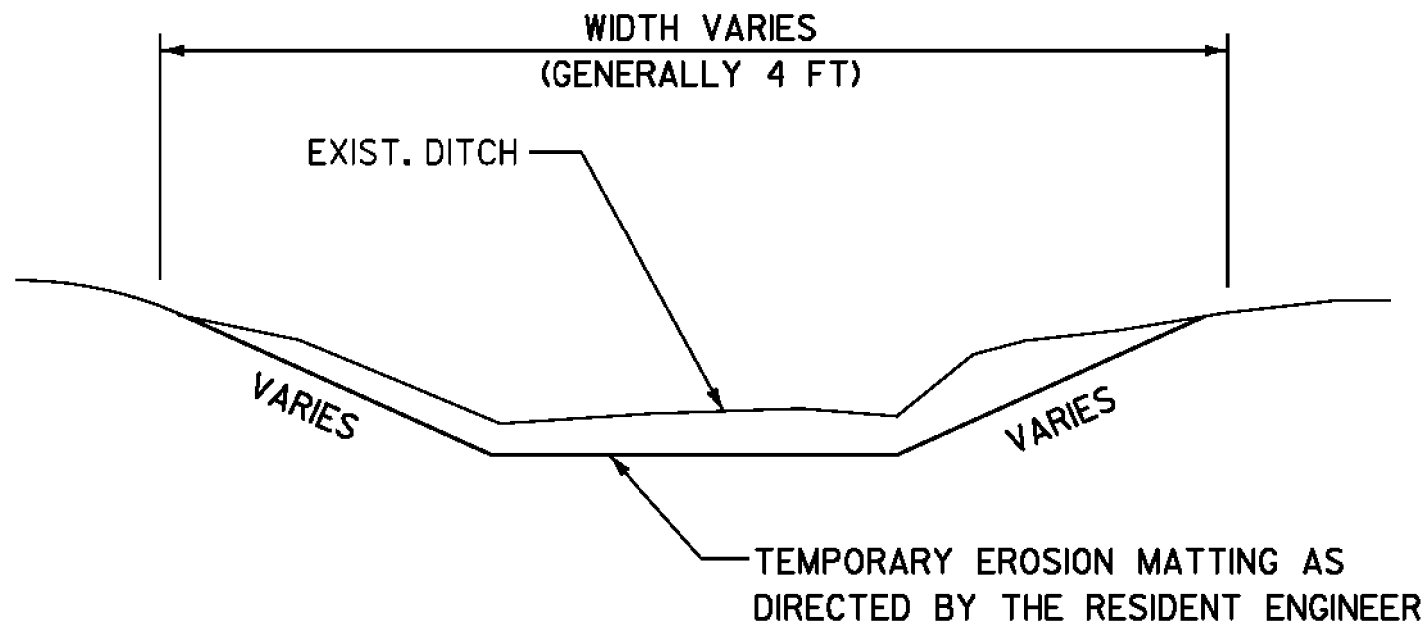
PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052md.i

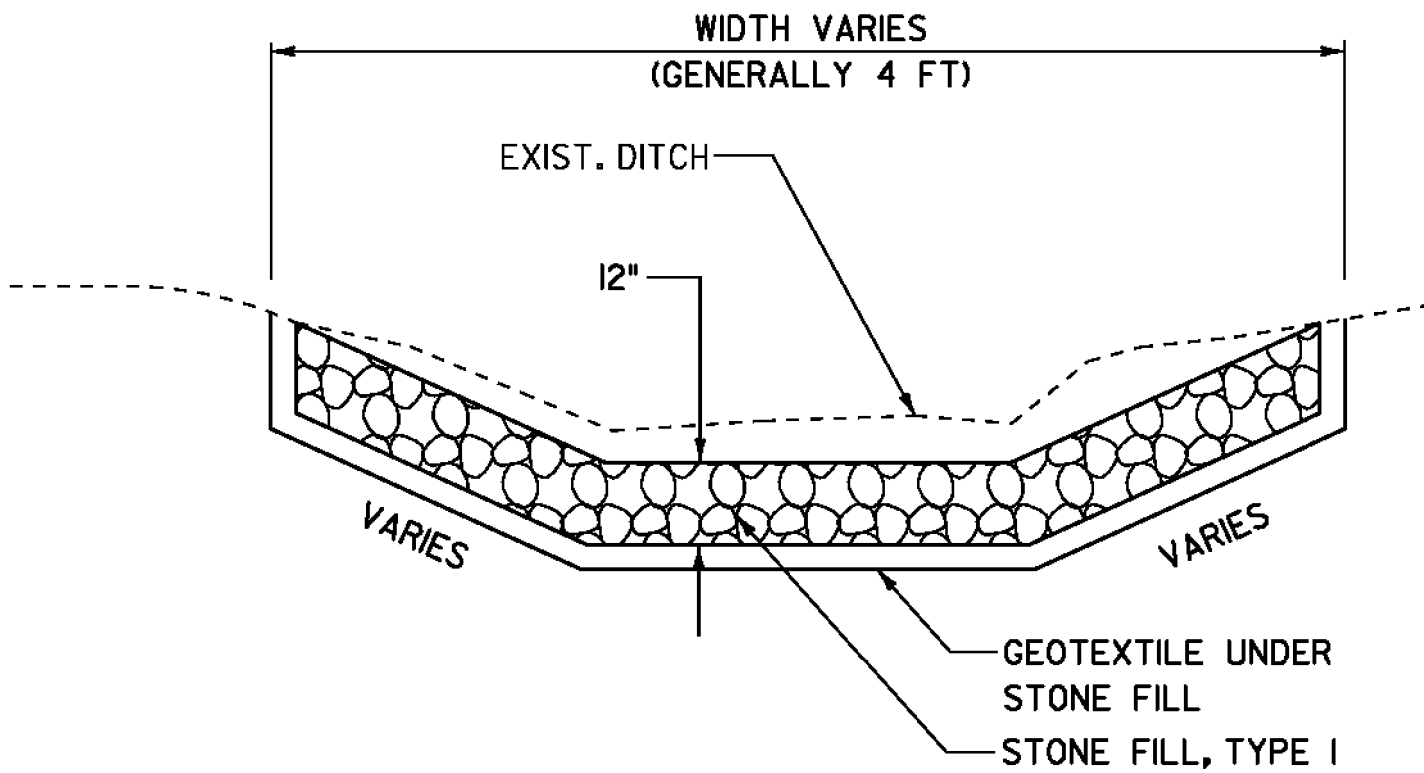
PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 18 OF 107

LOCATION					FEET OF DITCHING		MISCELLANEOUS ITEMS				REMARKS	LOCATION					FEET OF DITCHING		MISCELLANEOUS ITEMS				REMARKS			
SITE	STATION	STATION	POS.	PERCENT GRADE		STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	SITE		STATION	STATION	POS.	PERCENT GRADE		STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.						
				0-2.5	≥2.5										0-2.5	≥2.5										
COVENTRY STATE HIGHWAY							CY	SY	LB	SY	COVENTRY					NEWPORT				CY	SY	LB	SY			
I	0+20	0+83	LT	63					28	AS DIRECTED BY THE RESIDENT ENGINEER	25	I32+00	2+48	RT	464				3	206	AS DIRECTED BY THE RESIDENT ENGINEER					
2	I+08	5+04	LT	396				3	176	AS DIRECTED BY THE RESIDENT ENGINEER	NEWPORT 26	2+95	3+59.04	RT	64					28	AS DIRECTED BY THE RESIDENT ENGINEER					
3	5+28	7+39	LT	211				2	94	AS DIRECTED BY THE RESIDENT ENGINEER																
4	I2+42	26+40	LT	I398				10	621	AS DIRECTED BY THE RESIDENT ENGINEER																
5	26+40	26+70	LT		30	4	20			AS DIRECTED BY THE RESIDENT ENGINEER																
6	27+25	29+48	LT		223	33	149			AS DIRECTED BY THE RESIDENT ENGINEER																
7	29+83	34+32	LT		449	67	299			AS DIRECTED BY THE RESIDENT ENGINEER																
8	35+11	40+35	LT		524	78	349			AS DIRECTED BY THE RESIDENT ENGINEER																
9	38+28	42+24	RT		396	59	264			AS DIRECTED BY THE RESIDENT ENGINEER																
10	40+55	42+24	LT		169	25	113			AS DIRECTED BY THE RESIDENT ENGINEER																
11	42+24	44+55	LT	231				2	103	AS DIRECTED BY THE RESIDENT ENGINEER																
12	42+24	49+45	RT	721				5	320	AS DIRECTED BY THE RESIDENT ENGINEER																
13	44+75	51+28	LT	653				5	290	AS DIRECTED BY THE RESIDENT ENGINEER																
14	49+85	51+00	RT	115				1	51	AS DIRECTED BY THE RESIDENT ENGINEER																
15	51+45	55+20	RT	375				3	167	AS DIRECTED BY THE RESIDENT ENGINEER																
16	51+47	56+50	LT	503				4	224	AS DIRECTED BY THE RESIDENT ENGINEER																
17	55+45	63+36	RT	791				6	352	AS DIRECTED BY THE RESIDENT ENGINEER																
18	57+52	63+36	LT	584				4	260	AS DIRECTED BY THE RESIDENT ENGINEER																
19	63+36	63+90	LT		54	8	36			AS DIRECTED BY THE RESIDENT ENGINEER																
20	63+36	64+25	RT		89	13	59			AS DIRECTED BY THE RESIDENT ENGINEER																
21	64+62 69+00 78+50	68+64 RT LT		402		60 7.4 9.6	268 22.25 29			AS DIRECTED BY THE RESIDENT ENGINEER																
22	81+84	84+48	LT		264	39	176			AS DIRECTED BY THE RESIDENT ENGINEER																
23	84+48	86+95	LT	247				2	110	AS DIRECTED BY THE RESIDENT ENGINEER																
24	87+40	89+76	LT	236				2	105	AS DIRECTED BY THE RESIDENT ENGINEER																
SUBTOTALS					6524	2600	386	1733	49	2901	SUBTOTALS					528				3	234					
											TOTALS					7052	2600	386*	1733*	52	3135*					

*TOTALS CARRIED FORWARD TO SHEET 13



DITCH DETAIL 0 - 2.5 PERCENT



DITCH DETAIL ≥ 2.5 PERCENT

NOTES:

- PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEMS).
- GRADES BETWEEN 0 AND 2.5 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES 2.5 PERCENT OR GREATER SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE 1 AS DIRECTED BY THE RESIDENT ENGINEER.
- ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING, SEED, STONE FILL AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE



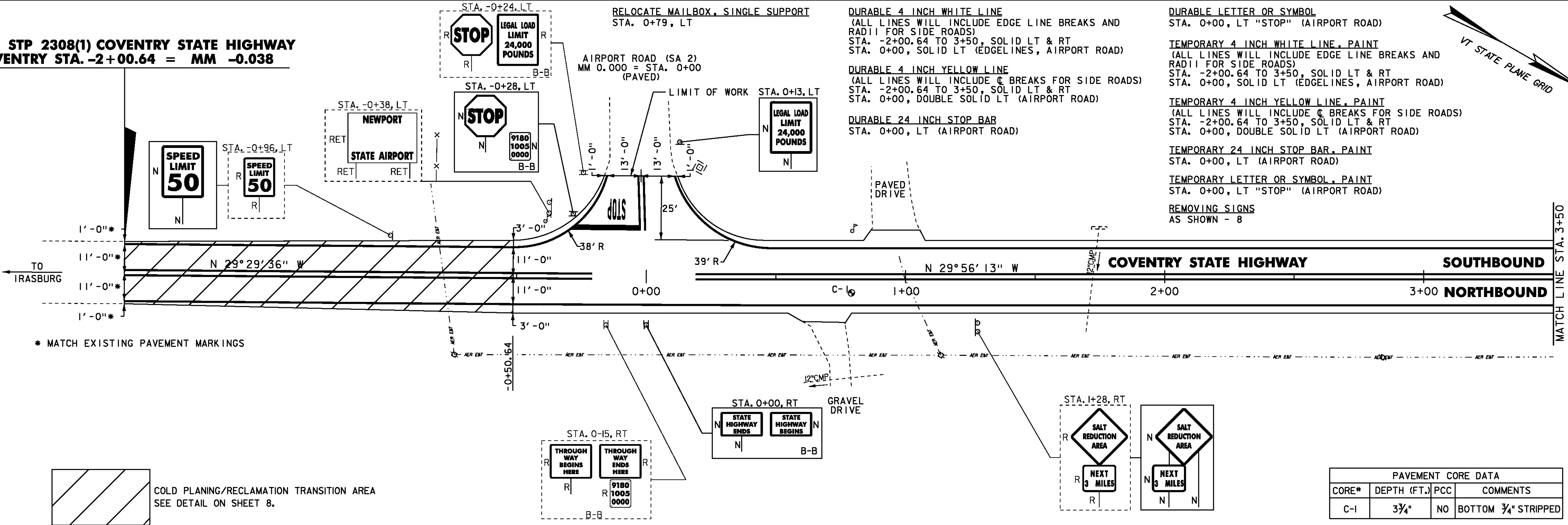
DITCH
CLEANING
DETAIL
SHEET

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052dcs.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 19 OF 107

BEGIN STP 2308(1) COVENTRY STATE HIGHWAY
COVENTRY STA. -2+00.64 = MM -0.038



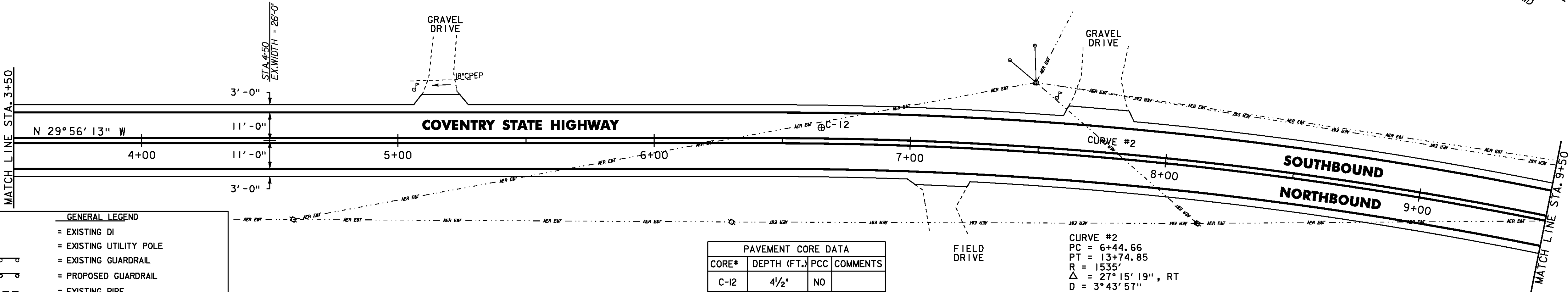
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 5+06, LT
STA. 7+56, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

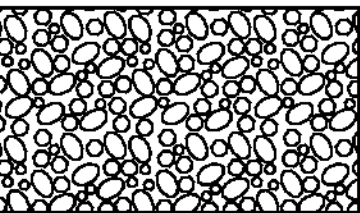
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT



- GENERAL LEGEND**
- EXISTING DI
 - EXISTING UTILITY POLE
 - EXISTING GUARDRAIL
 - PROPOSED GUARDRAIL
 - EXISTING PIPE
 - EXISTING HEADWALL
 - PROPOSED UNDERDRAIN
 - SOIL BORING
 - TEST PIT
 - EXISTING OVERHEAD UTILITY
 - EXISTING MAILBOX
 - SINGLE SIGN POST - SINGLE SIGN
 - SINGLE SIGN POST - MULTIPLE SIGNS
 - DOUBLE SIGN POST

- SIGN LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE SIGN
 - RET = RETAIN
 - B-B = BACK TO BACK



PROPOSED STONE FILL, TYPE I AREAS
SEE SHEET 18 FOR DETAIL & LOCATIONS



PROJECT
LAYOUT
SHEET #1

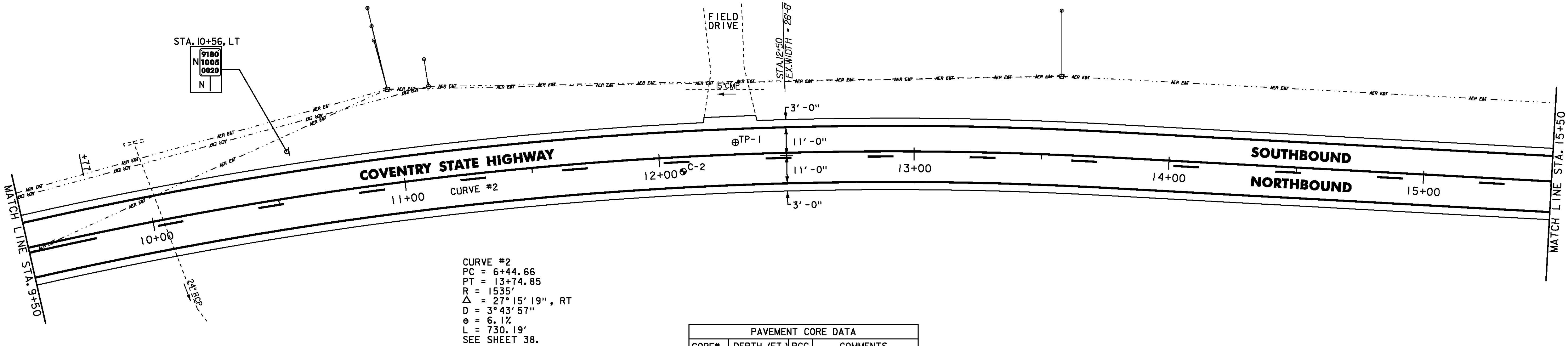
PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)
FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052101.i
PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 20 OF 107

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 9+50 TO 15+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 9+50 TO 9+77, SOLID LT & RT
STA. 9+77 TO 15+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 9+50 TO 15+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 9+50 TO 9+77, SOLID LT & RT
STA. 9+77 TO 15+50, SOLID LT, DASHED RT



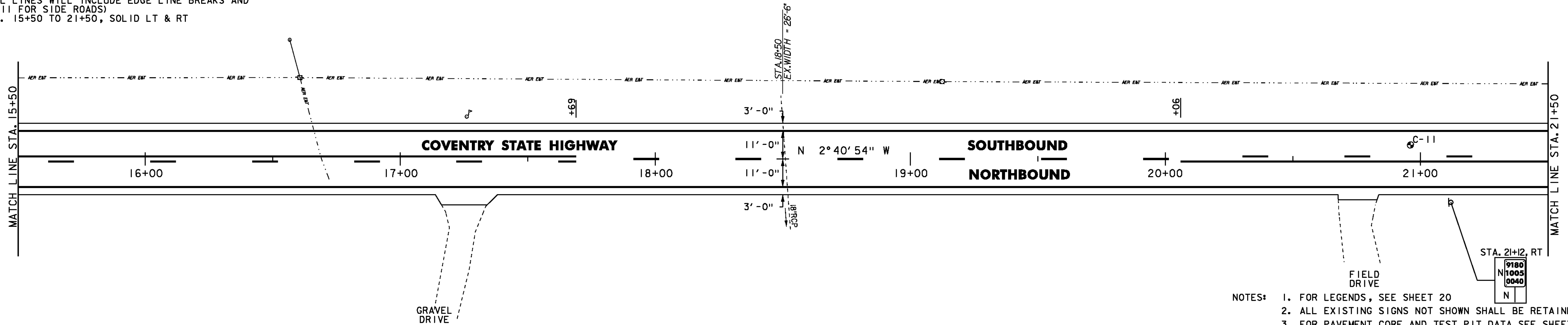
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 17+26, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 15+50 TO 21+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 15+50 TO 17+69, SOLID LT, DASHED RT
STA. 17+69 TO 20+06, DASHED C
STA. 20+06 TO 21+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 15+50 TO 21+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 15+50 TO 17+69, SOLID LT, DASHED RT
STA. 17+69 TO 20+06, DASHED C
STA. 20+06 TO 21+50, DASHED LT, SOLID RT



- NOTES:
1. FOR LEGENDS, SEE SHEET 20
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 3. FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 4. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

NOT TO SCALE

PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-11	4 1/4"	NO	



PROJECT
LAYOUT
SHEET #2

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052102.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 21 OF 107

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 21+50 TO 27+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 21+50 TO 26+66, DASHED LT, SOLID RT
STA. 26+66 TO 27+50, SOLID LT & RT
STA. 27+15, DOUBLE SOLID RT (LARAMEE ROAD)

DURABLE 24 INCH STOP BAR
STA. 27+15, RT (LARAMEE ROAD)
DURABLE LETTER OR SYMBOL
STA. 27+15, RT "STOP" (LARAMEE ROAD)

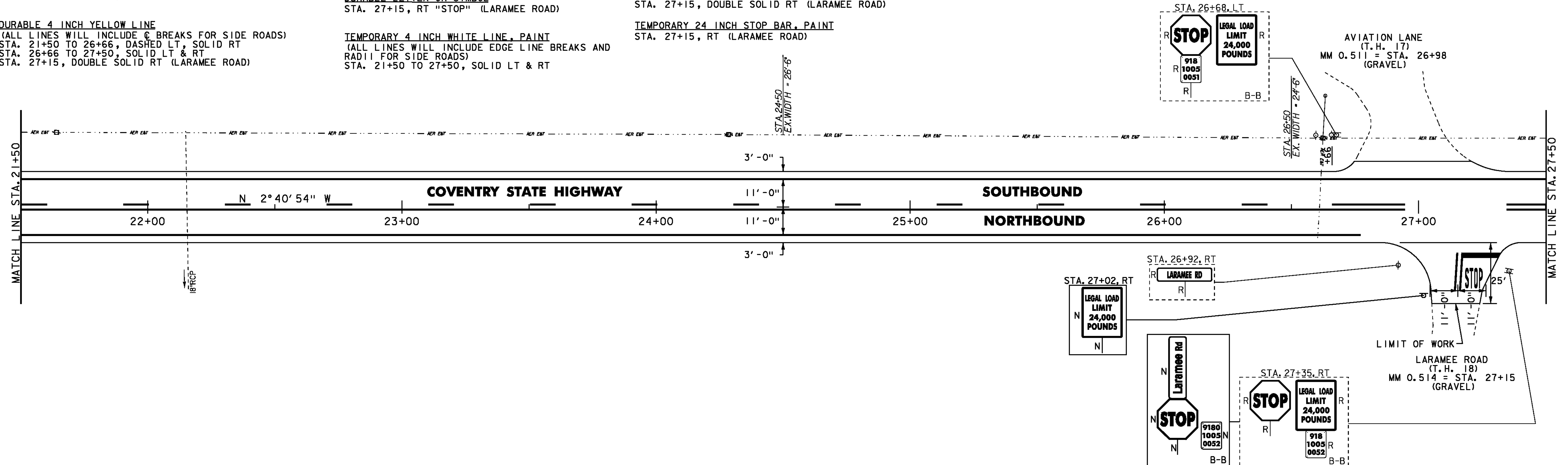
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 21+50 TO 27+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 21+50 TO 26+66, DASHED LT, SOLID RT
STA. 26+66 TO 27+50, SOLID LT & RT
STA. 27+15, DOUBLE SOLID RT (LARAMEE ROAD)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 27+15, RT (LARAMEE ROAD)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 27+15, RT "STOP" (LARAMEE ROAD)

REMOVING SIGNS
AS SHOWN - 7

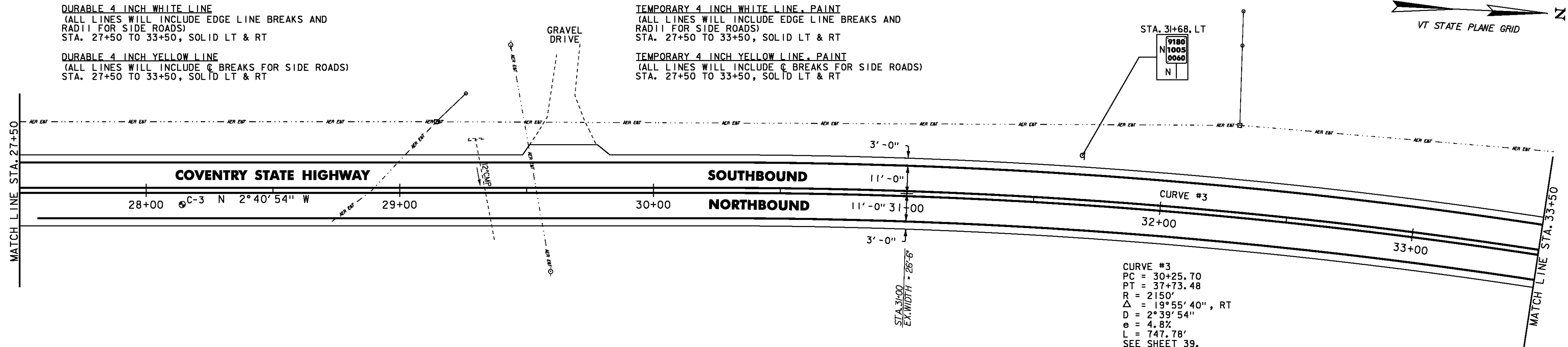


DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT



CURVE #3
PC = 30+25.70
PT = 37+73.48
R = 2150'
Δ = 19°55'40", RT
D = 2°39'54"
e = 4.8%
L = 747.78'
SEE SHEET 39.

- NOTES:
1. FOR LEGENDS, SEE SHEET 20
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 3. FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 4. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-3	5"	NO	



NOT TO SCALE

**PROJECT
LAYOUT
SHEET #3**

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p01c052103.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 22 OF 107

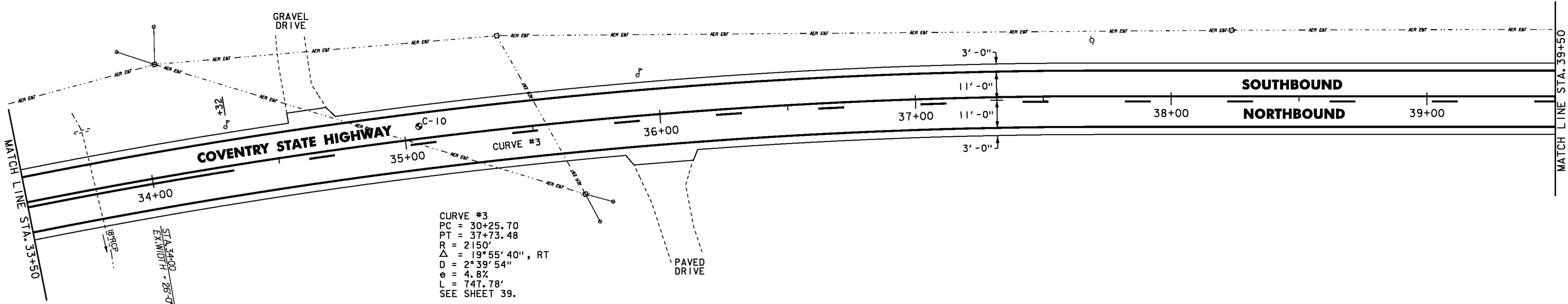
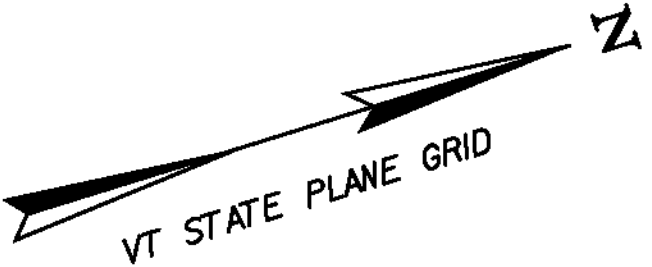
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 34+31, LT
STA. 35+93, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 33+50 TO 34+32, SOLID LT & RT
STA. 34+32 TO 39+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 33+50 TO 34+32, SOLID LT & RT
STA. 34+32 TO 39+50, SOLID LT, DASHED RT



CURVE #3
PC = 30+25.70
PT = 37+73.48
R = 2150'
 Δ = 19°55'40", RT
D = 2°39'54"
e = 4.8%
L = 747.78'
SEE SHEET 39.

PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-10	3 1/2"	NO	

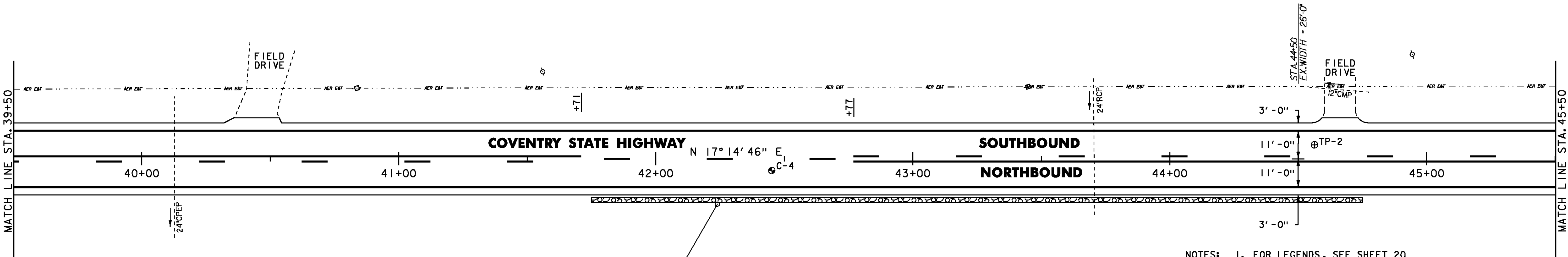
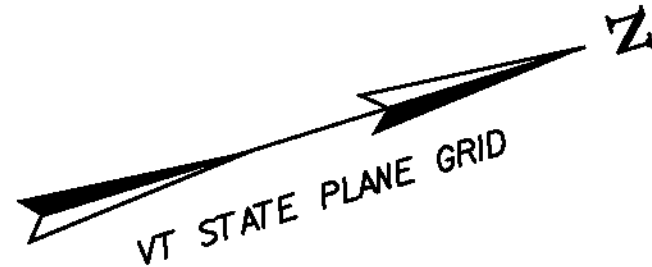
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 39+50 TO 41+71, SOLID LT, DASHED RT
STA. 41+71 TO 42+77, DASHED C
STA. 42+77 TO 45+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 39+50 TO 41+71, SOLID LT, DASHED RT
STA. 41+71 TO 42+77, DASHED C
STA. 42+77 TO 45+50, DASHED LT, SOLID RT

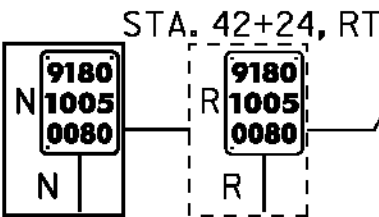
REMOVING SIGNS
AS SHOWN - 1



- NOTES:
1. FOR LEGENDS, SEE SHEET 20
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 3. FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 4. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

NOT TO SCALE

PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-4	5"	NO	BOTTOM 3/4" STRIPPED



PROJECT
LAYOUT
SHEET #4

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052104.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 23 OF 107

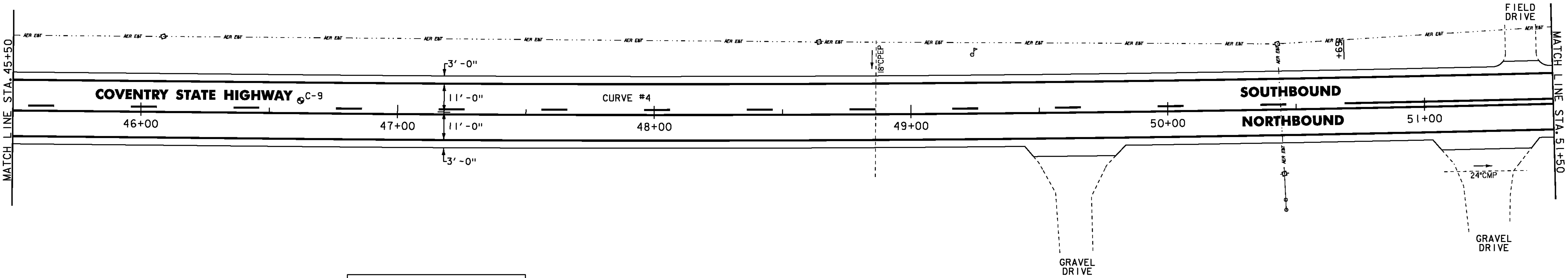
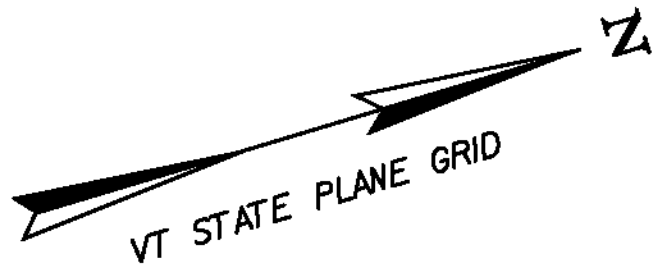
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 49+24, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 45+50 TO 50+69, DASHED LT, SOLID RT
STA. 50+69 TO 51+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 45+50 TO 50+69, DASHED LT, SOLID RT
STA. 50+69 TO 51+50, SOLID LT & RT



PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-9	4 3/4"	NO	

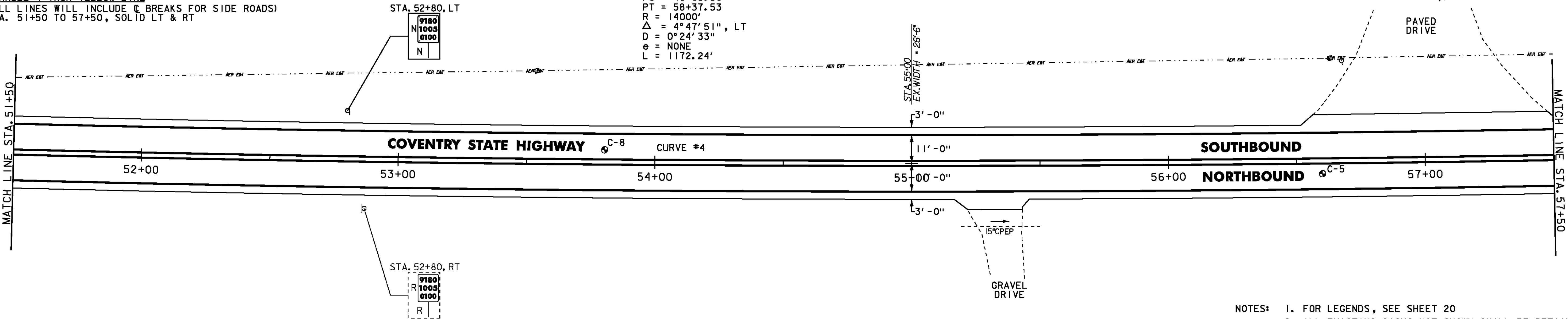
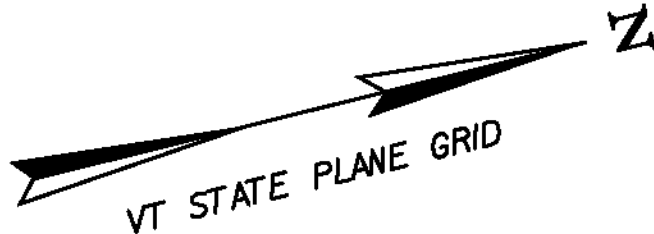
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - I



PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-8	4 3/4"	NO	BOTTOM 2" STRIPPED
C-5	6"	NO	

- NOTES:
- FOR LEGENDS, SEE SHEET 20
 - ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 - FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 - SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

NOT TO SCALE

PROJECT
LAYOUT
SHEET #5



PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052105.i

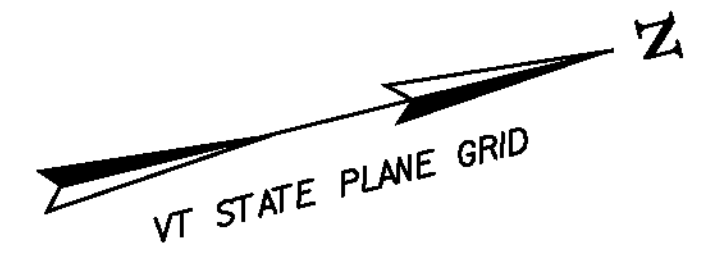
PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 24 OF 107

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT

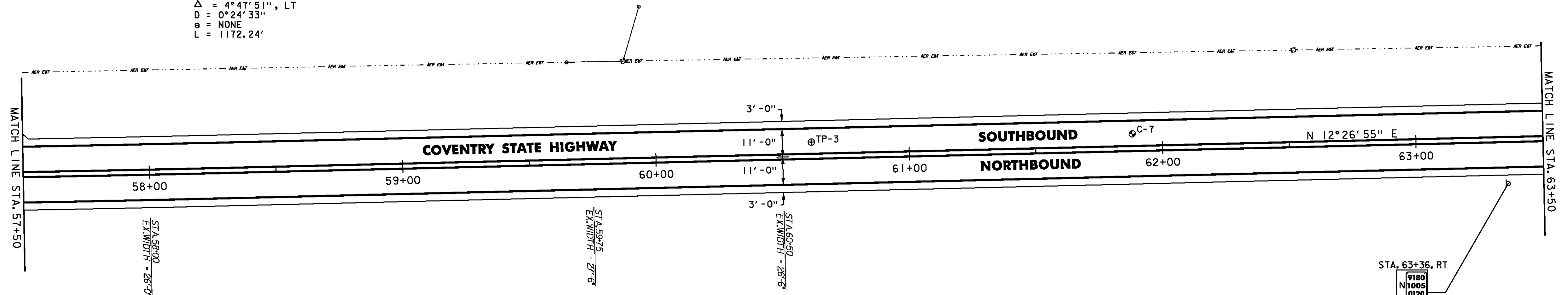
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT



CURVE #4
PC = 46+65.30
PT = 58+37.53
R = 14000'
 Δ = 4°47'51", LT
D = 0°24'33"
e = NONE
L = 1172.24'



PAVEMENT CORE DATA			
CORE*	DEPTH (FT.)	PCC	COMMENTS
C-7	4 3/4"	NO	

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 66+65.5 TO 69+50.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 68+04 TO 69+50, RT

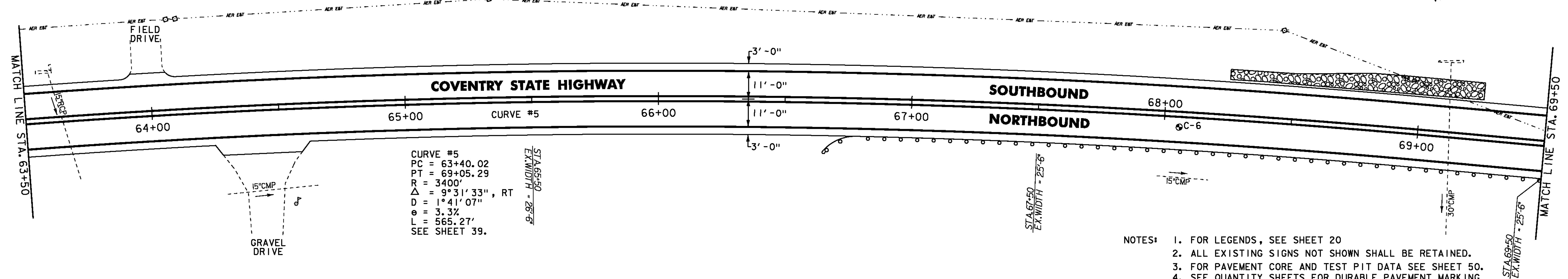
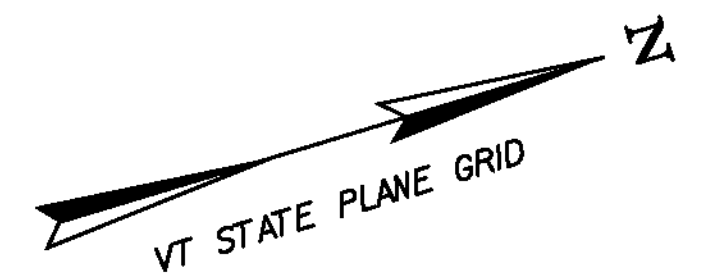
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT

ANCHOR FOR STEEL BEAM RAIL
STA. 66+65.5, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT



- NOTES: 1. FOR LEGENDS, SEE SHEET 20
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
4. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

NOT TO SCALE

PAVEMENT CORE DATA			
CORE*	DEPTH (FT.)	PCC	COMMENTS
C-6	5"	NO	BOTTOM 1" STRIPPED



**PROJECT
LAYOUT
SHEET #6**

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052106.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 25 OF 107

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 26 OF 107

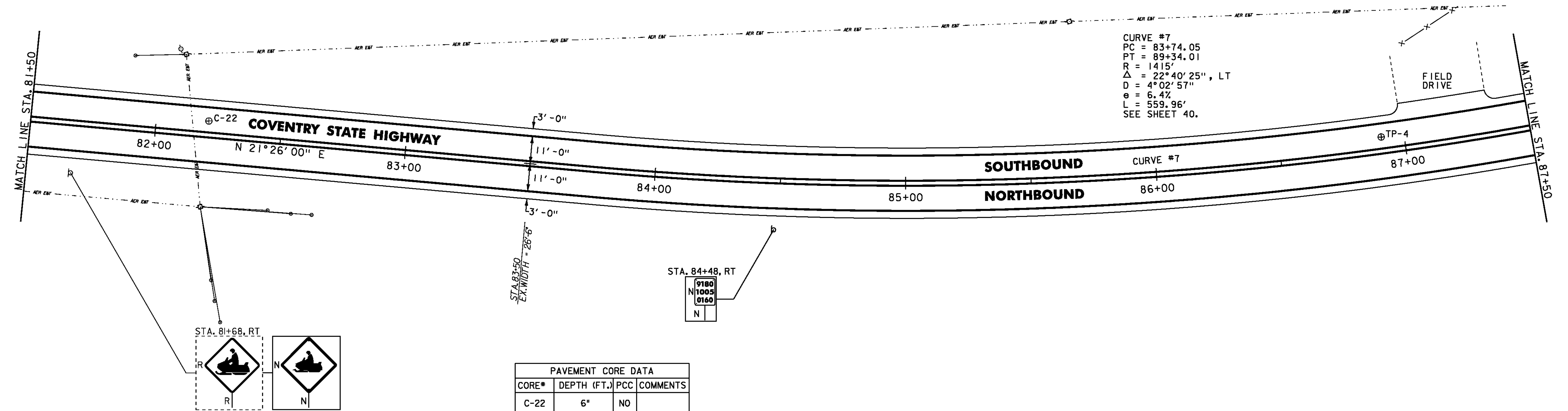
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 81+50 TO 87+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 81+50 TO 87+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 81+50 TO 87+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 81+50 TO 87+50, SOLID LT & RT



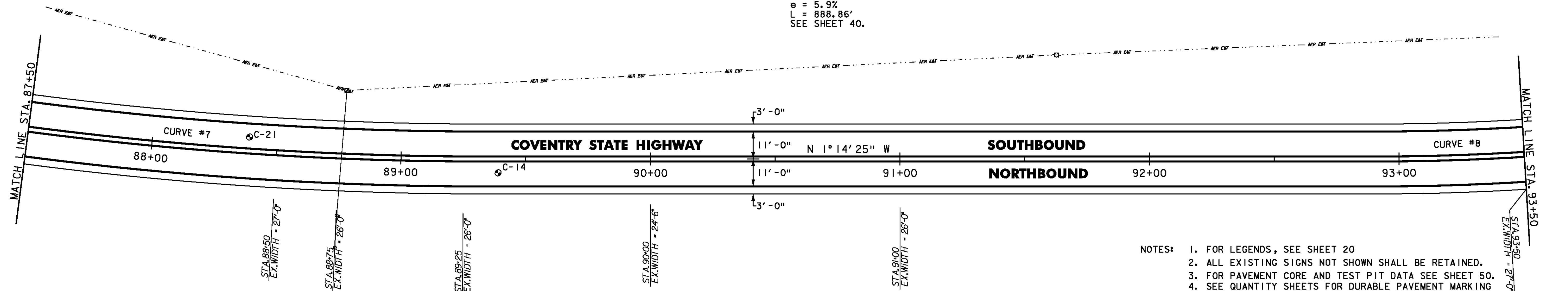
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 87+50 TO 93+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 87+50 TO 93+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 87+50 TO 93+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 87+50 TO 93+50, SOLID LT & RT

CURVE #8
PC = 92+89.95
PT = 101+78.81
R = 985'
Δ = 51°42'14", LT
D = 5°49'01"
e = 5.9%
L = 888.86'
SEE SHEET 40.



- NOTES:
1. FOR LEGENDS, SEE SHEET 20
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 3. FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 4. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

NOT TO SCALE

PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-21	6 1/2"	NO	
C-14	5 1/2"	NO	



**PROJECT
LAYOUT
SHEET #8**

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052108.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 27 OF 107

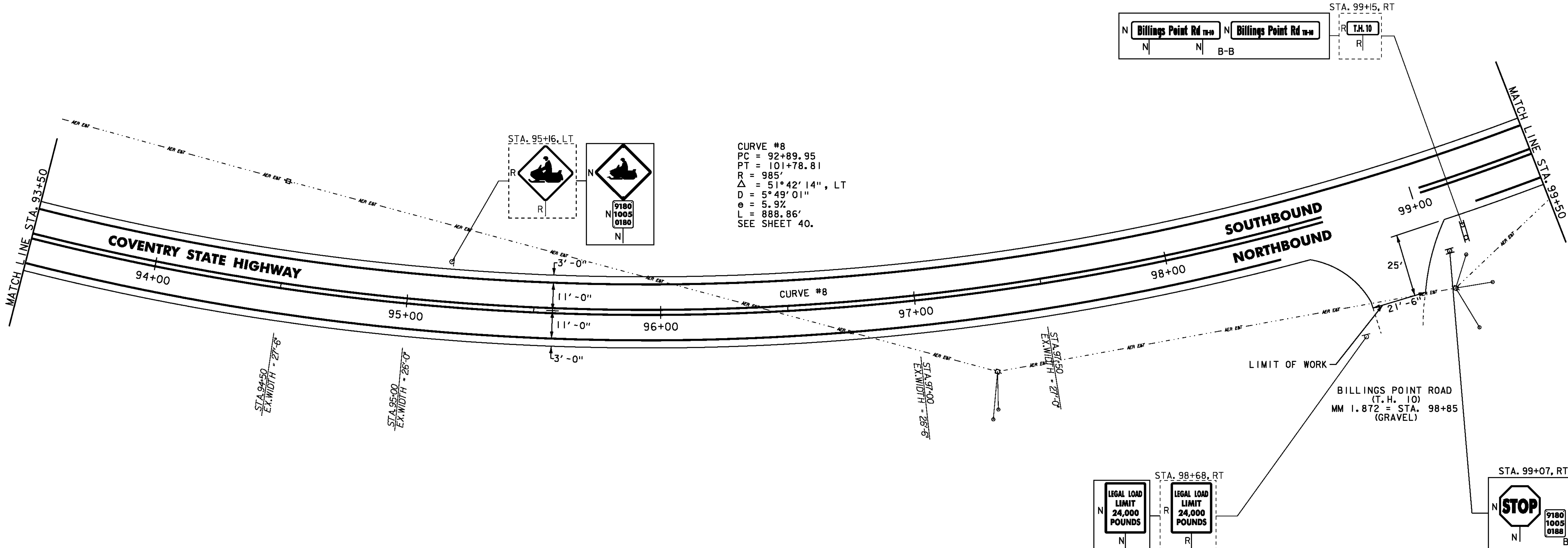
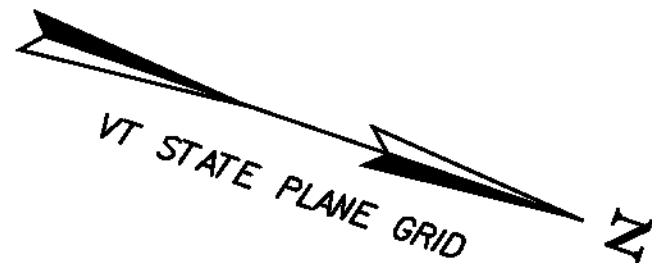
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 93+50 TO 99+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 93+50 TO 99+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 93+50 TO 99+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 93+50 TO 99+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



- NOTES: 1. FOR LEGENDS, SEE SHEET 20
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING
OPTIONS.

NOT TO SCALE

PROJECT
LAYOUT
SHEET #9



PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052109.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 28 OF 107

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 99+50 TO 105+50, SOLID LT & RT

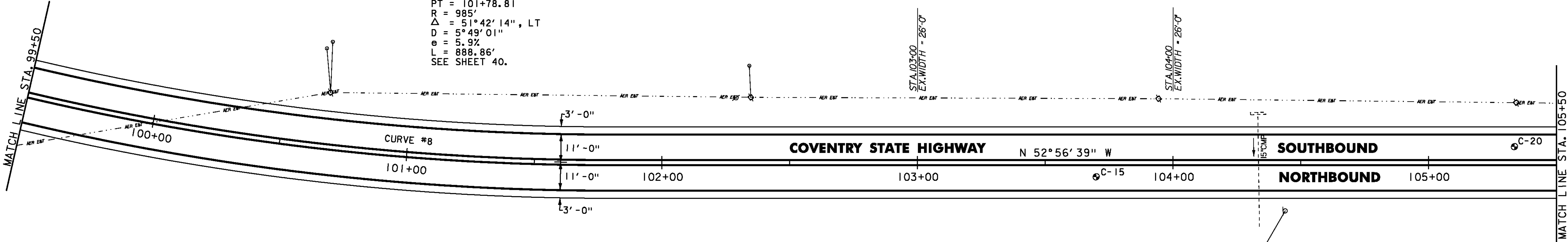
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 99+50 TO 105+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 99+50 TO 105+50, SOLID LT & RT

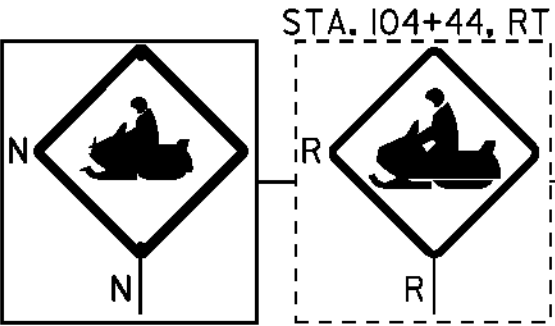
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 99+50 TO 105+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1

CURVE #8
PC = 92+89.95
PT = 101+78.81
R = 985'
 $\Delta = 51^{\circ}42'14''$, LT
D = 5°49'01"
e = 5.9%
L = 888.86'
SEE SHEET 40.



PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-15	6 3/4"	NO	
C-20	6"	NO	



DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 105+50 TO 111+50, SOLID LT & RT

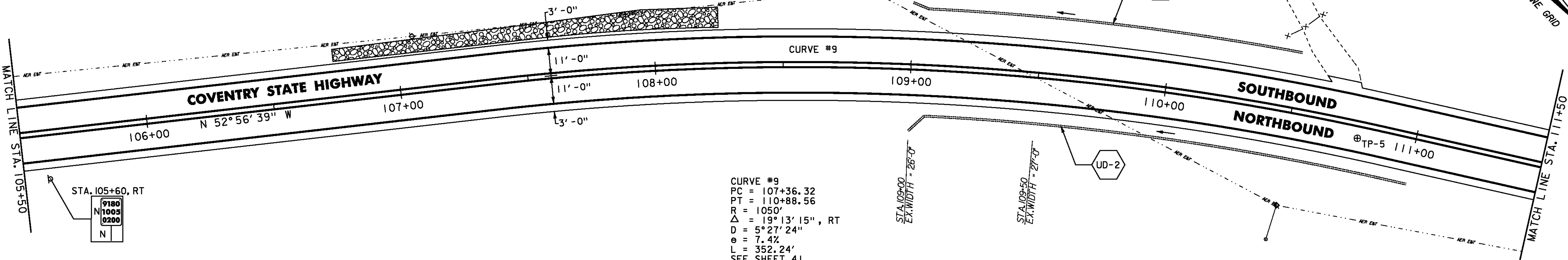
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 105+50 TO 111+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 105+50 TO 111+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 105+50 TO 111+50, SOLID LT & RT

UD-1 STA 109+00 TO 110+50, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE
SEE SHEET 14 FOR DETAIL AND
ASSOCIATED QUANTITIES.

UD-2 STA 109+00 TO 111+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE
SEE SHEET 14 FOR DETAIL AND
ASSOCIATED QUANTITIES.



CURVE #9
PC = 107+36.32
PT = 110+88.56
R = 1050'
 $\Delta = 19^{\circ}13'15''$, RT
D = 5°27'24"
e = 7.4%
L = 352.24'
SEE SHEET 41.

- NOTES:
- FOR LEGENDS, SEE SHEET 20
 - ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 - FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 - SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

NOT TO SCALE



**PROJECT
LAYOUT
SHEET #10**

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052110.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 29 OF 107

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 115+27.7 TO 117+50.0, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 115+27.7, LT
STA. 117+39.2, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 111+50 TO 117+50, SOLID LT & RT

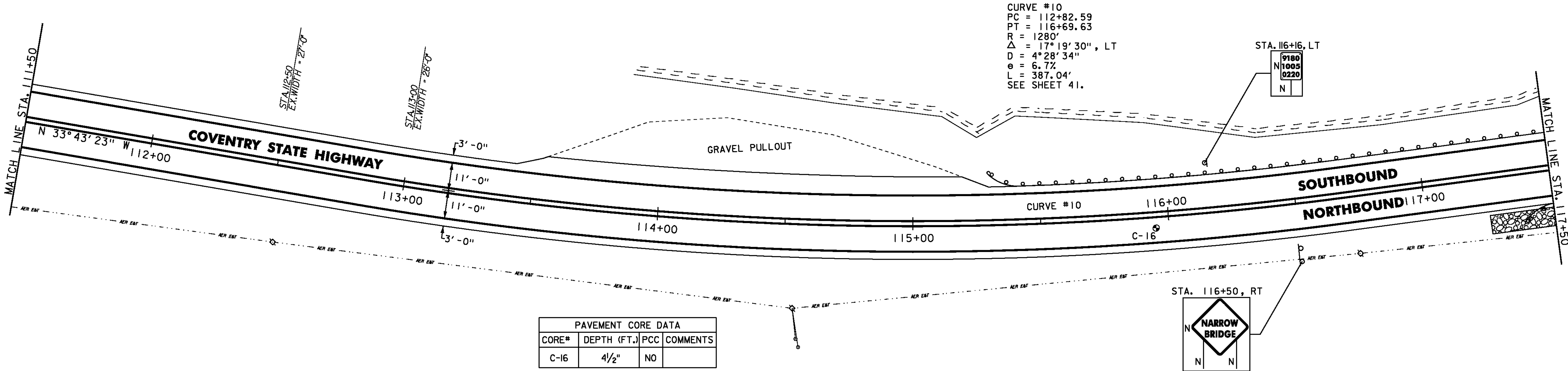
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 111+50 TO 117+50, SOLID LT & RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 117+39.2 TO 117+50, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 115+29 TO 117+50, LT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 111+50 TO 117+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 111+50 TO 117+50, SOLID LT & RT



REMOVAL OF EXISTING RAILING
STA. 119+52.7 TO 120+92.5, LT
STA. 119+76.7 TO 121+21.0, RT
(FOR DETAILS SEE SHEETS 16 & 17)

BRIDGE RAILING REPAIR, TYPE I
STA. 119+52.7 TO 120+92.5, LT
STA. 119+76.7 TO 121+21.0, RT
(FOR DETAILS SEE SHEETS 16 & 17)

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 117+50.0 TO 119+27.7, LT
STA. 121+17.5 TO 121+30.0, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 117+50 TO 119+51.7, RT
STA. 121+46.0 TO 122+21.0, RT

HD STEEL BEAM GUARDRAIL, GALVANIZED
STA. 119+27.7 TO 119+52.7, LT
STA. 119+51.7 TO 119+76.7, RT
STA. 120+92.5 TO 121+17.5, LT
STA. 121+21.0 TO 121+46.0, RT
(FOR DETAILS SEE SHEETS 16 & 17)

ANCHOR FOR STEEL BEAM RAIL
STA. 121+30.0, LT
STA. 122+21.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 117+50 TO 119+52.7, LT
STA. 119+06.5 TO 119+76.7, RT
STA. 120+92.5 TO 121+30, LT
STA. 121+21 TO 122+22, RT

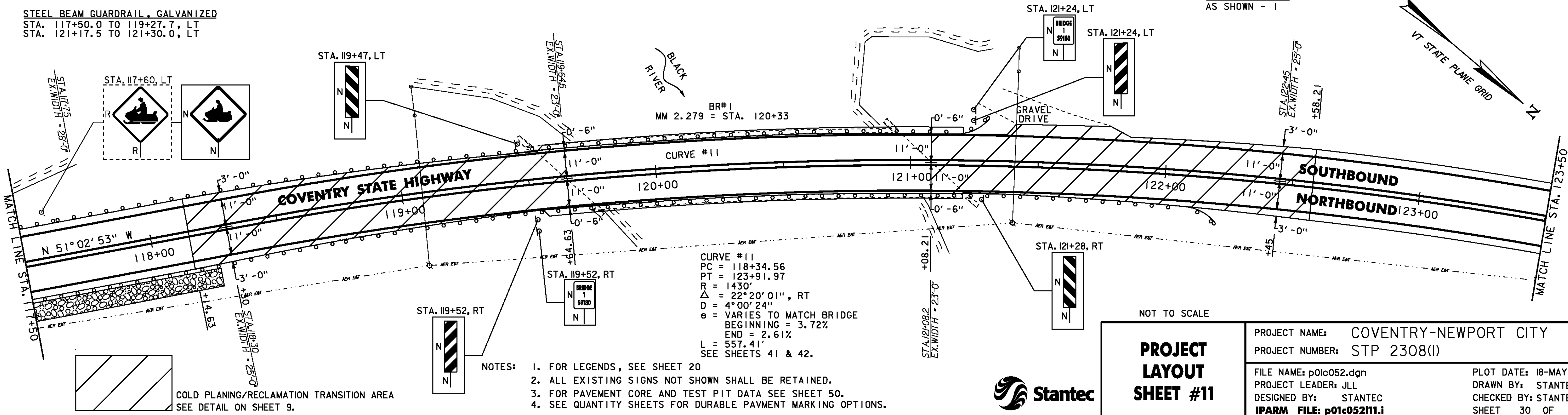
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 117+50 TO 123+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 117+50 TO 123+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 117+50 TO 123+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 117+50 TO 123+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - I



NOT TO SCALE

PROJECT
LAYOUT
SHEET #11

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052111.i

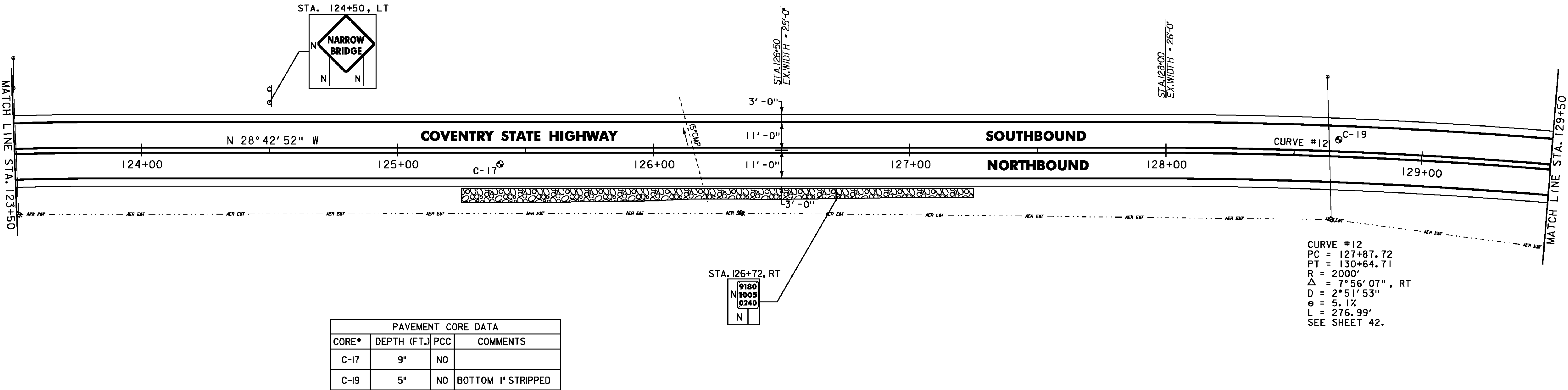
PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 30 OF 107

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 123+50 TO 129+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 123+50 TO 129+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 123+50 TO 129+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 123+50 TO 129+50, SOLID LT & RT



DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
COVENTRY STA. 129+50 TO NEWPORT CITY STA. 1+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
COVENTRY STA. 129+50 TO NEWPORT CITY STA. 1+00, SOLID LT & RT

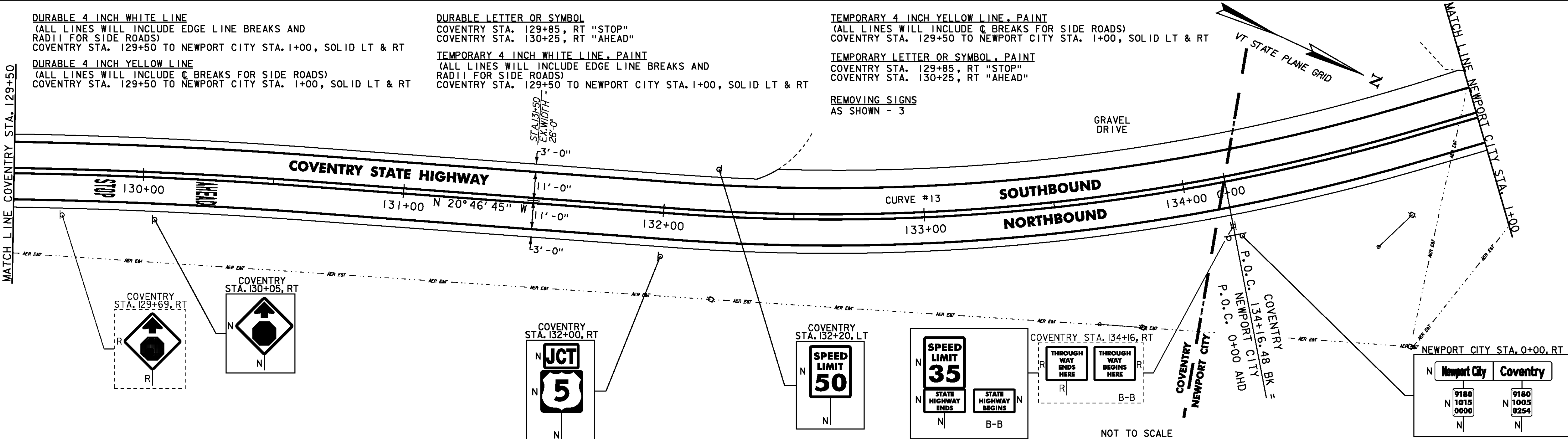
DURABLE LETTER OR SYMBOL
COVENTRY STA. 129+85, RT "STOP"
COVENTRY STA. 130+25, RT "AHEAD"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
COVENTRY STA. 129+50 TO NEWPORT CITY STA. 1+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
COVENTRY STA. 129+50 TO NEWPORT CITY STA. 1+00, SOLID LT & RT

TEMPORARY LETTER OR SYMBOL, PAINT
COVENTRY STA. 129+85, RT "STOP"
COVENTRY STA. 130+25, RT "AHEAD"

REMOVING SIGNS
AS SHOWN - 3



CURVE #13
PC = COVENTRY STA. 132+04.69
PT = NEWPORT CITY STA. 0+74.16
R = 800'
Δ = 20°26'43", LT
D = 7°09'43"
e = 7.9%
L = 285.47'
SEE SHEET 43.

- NOTES:
- FOR LEGENDS, SEE SHEET 20
 - ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 - FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 - SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.



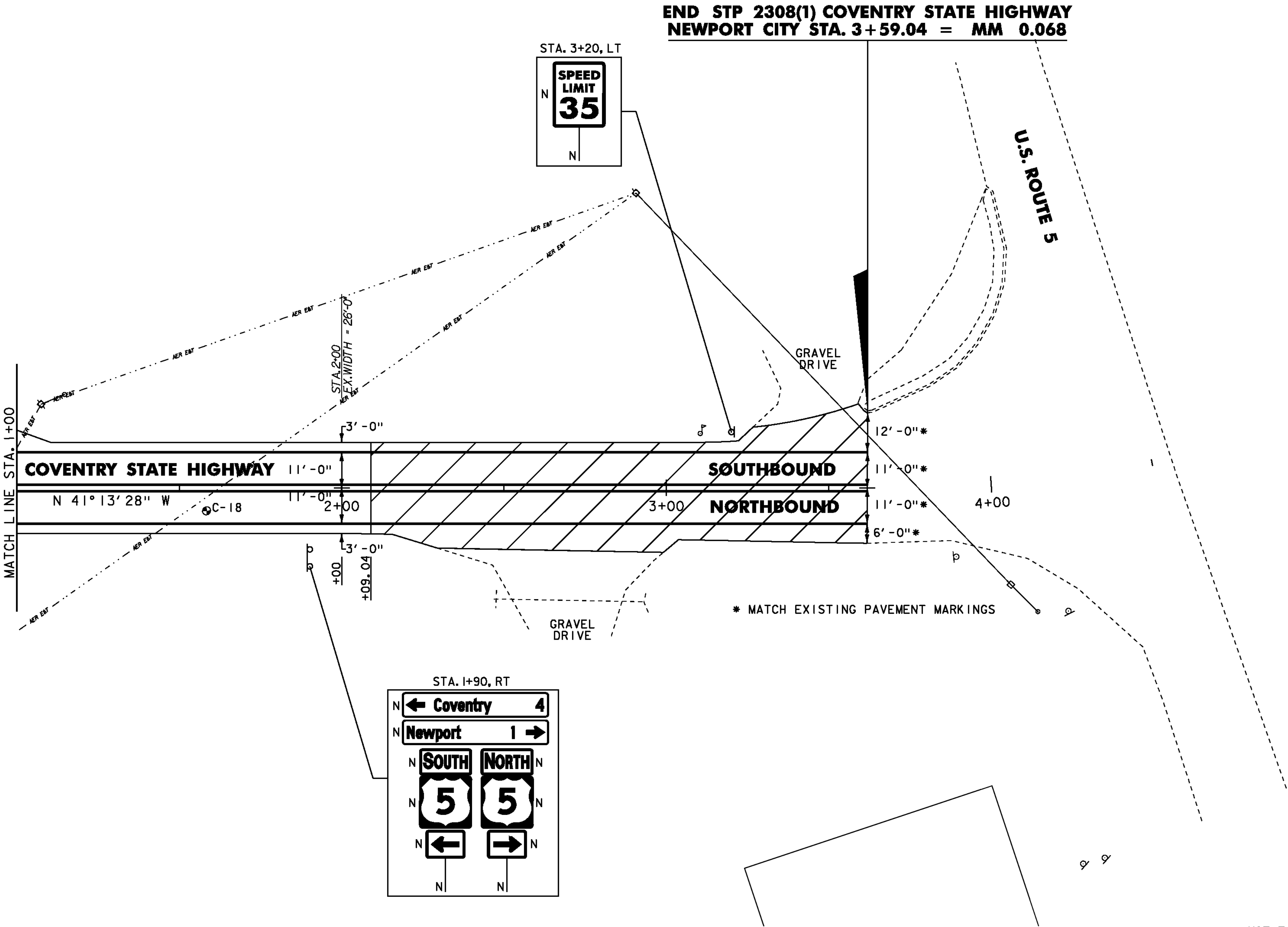
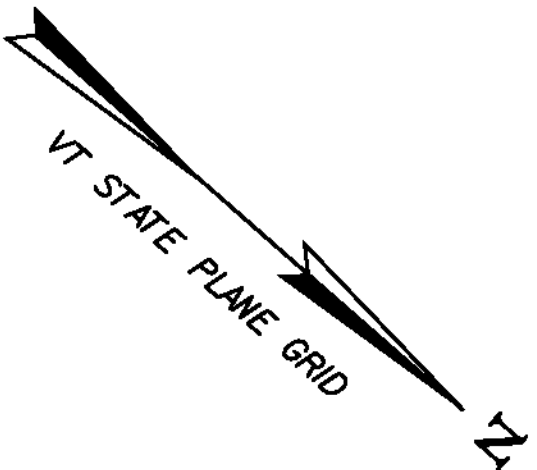
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 3+10, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 1+00 TO 3+59, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 1+00 TO 3+59, SOLID LT & RT

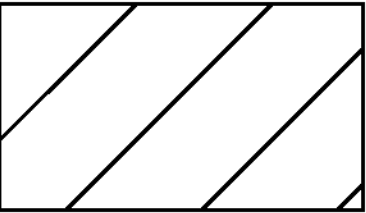
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 1+00 TO 3+59, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 1+00 TO 3+59, SOLID LT & RT



- NOTES:
1. FOR LEGENDS, SEE SHEET 20
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 3. FOR PAVEMENT CORE AND TEST PIT DATA SEE SHEET 50.
 4. SEE QUANTITY SHEETS FOR DURABLE PAVEMENT MARKING OPTIONS.

NOT TO SCALE



COLD PLANING/RECLAMATION TRANSITION AREA
SEE DETAIL ON SHEET 8.

PAVEMENT CORE DATA			
CORE#	DEPTH (FT.)	PCC	COMMENTS
C-18	4"	NO	BOTTOM 1" STRIPPED



PROJECT
LAYOUT
SHEET #13

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052113.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 32 OF 107

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 01

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL										
					"A"	"B"	SALV SIGN	SALV TIS	EXIST RETAI N	S ALV AGE	NO. OF P OST S	FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				RE QUI RE D S I G N E R E A	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER						
		1.2	2.0	3.0								1.75	2.0	2.5	ANCHOR	SLAVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE			WEIGHT					POST SIZE					
																									lb/ft	lb/ft								lb/ft	24"	30"		
																																					1.2	2.0
COVENTRY																																						
-0+96, LT		I	24	30	5.00						I					X		X														R2-I	X					
-0+28, LT	  B-B	I	30	30	6.25						I					X		X													RI-I	X		E-I38				
0+00, RT	  B-B	I	24	18	3.00						I					X		X													VR-038			E-I4I				
0+13, LT		I	24	30	5.00						I					X		X													VR-017			E-I4I				
1+28, RT	 	I	36	36	9.00						2					X		X													VW-290			E-I50				
10+56, LT		I	6	10	0.42						I				X			X													VD-700			E-I38				
21+12, RT		I	6	10	0.42						I				X			X													VD-700			E-I38				
27+02, RT		I	24	30	5.00						I					X		X													VR-017			E-I4I				
27+35, RT	   B-B	I	42	12	3.50						I					X		X													D3-I		37					
31+68, LT		I	6	10	0.42						I				X			X													VD-700			E-I38				
42+24, RT		I	6	10	0.42						I				X			X													VD-700			E-I38				
52+80, LT		I	6	10	0.42						I				X			X													VD-700			E-I38				
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB					PROJECT NAME: COVENTRY - NEWPORT CITY PROJECT NUMBER: STP 2308(I)							
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT			FT				LB			EA.	LB			EA.	EA.	LB										
TOTALS					SF		SF	EA.	SF			FT	FT			174				LB			EA.	LB			EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #1			FILE NAME: p01c052.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p01c052tss01.i			PLOT DATE: 18-MAY-2012 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 33 OF 107		

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL				
					"A"	"B"	SALV SIGN	SALV TIS	EXIST RETAI N	SALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL					REQUI RE D S I G N M A T E R I A L S	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER	
		1.75	2.0	2.5								ANCHOR	SLAVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE									
																						1.2	2.0			3.0	1.88	2.42						3.35
COVENTRY (CONTINUED)																																		
63+36, RT		I	6	10	0.42						I				X			X													VD-700			E-138
73+92, RT		I	6	10	0.42						I				X			X													VD-700			E-138
81+68, RT		I	30	30	6.25						I					X		X													WII-6H INSTALL IN CLOSED POSITION (TYP.)			E-153
84+48, RT		I	6	10	0.42						I				X			X													VD-700			E-138
95+16, LT	 	I	30	30	6.25						I					X		X													WII-6H INSTALL IN CLOSED POSITION (TYP.)			E-153
		I	6	10	0.42																										VD-700			E-138
98+68, RT		I	24	30	5.00						I					X		X													VR-017			E-141
99+07, RT	 B-B 	I	30	30	6.25						I					X		X													RI-1	X		
		I	6	10	0.42																										VD-700			E-138
99+15, RT		2	72	12	12.00						2					X		X													VD3-I MOUNT STREET SIGNS BACK TO BACK		37	
104+44, RT		I	30	30	6.25						I					X		X													WII-6H INSTALL IN CLOSED POSITION (TYP.)			E-153
105+60, RT		I	6	10	0.42						I				X			X													VD-700			E-138
116+16, LT		I	6	10	0.42						I				X			X													VD-700			E-138
116+50, RT		I	36	36	9.00						2					X		X													W5-2	X		
117+60, LT		I	30	30	6.25						I					X		X													WII-6H INSTALL IN CLOSED POSITION (TYP.)			E-153
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT			FT				LB		EA.	LB				EA.	EA.	LB						
TOTALS					SF	SF	EA.	SF				FT			FT				LB		EA.	LB				EA.	EA.	LB						
					60.19										205																			
																							TRAFFIC SIGN SUMMARY SHEET #2			PROJECT NAME: COVENTRY - NEWPORT CITY PROJECT NUMBER: STP 2308(1) FILE NAME: p01c052.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p01c052tss02.i				PLOT DATE: 18-MAY-2012 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 34 OF 107				

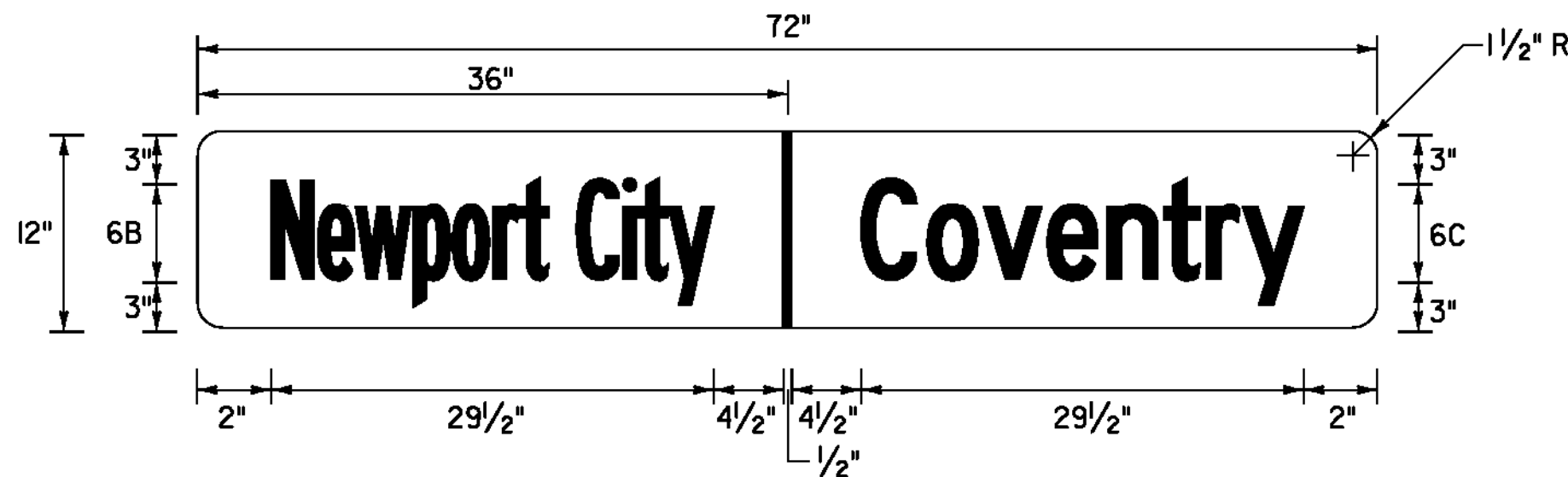
STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 03

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																		REMARKS	SIGN DETAIL							
					"A"	"B"	SALV SIGN	SALV TIS	EXIST RETAI N	S ALV AGE	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL					RE QUIR ED FR AME	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
		1.2	2.0	3.0								1.75	2.0	2.5	ANCHOR	SLAVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE									
																									lb/ft	lb/ft								lb/ft	24"	30"	
																																					1.88
COVENTRY (CONTINUED)																																					
I19+47, LT		I	12	36	3.00						I				X		X															OM3-L	X				
I19+52, RT		I	12	36	3.00						I				X		X														OM3-R	X					
I19+52, RT		I	6	8	0.33						I			X			X														VD-70I			E-134			
I21+24, LT		I	6	8	0.33						I			X			X														VD-70I			E-134			
I21+24, LT		I	12	36	3.00						I				X		X														OM3-R	X					
I21+28, RT		I	12	36	3.00						I				X		X														OM3-L	X					
I24+50, LT		I	36	36	9.00						2				X		X														W5-2	X					
I26+72, RT		I	6	10	0.42						I			X			X														VD-700			E-138			
I30+05, RT		I	30	30	6.25						I					X	X														W3-I	X					
I32+00, RT		I	21	15	2.12						I					X		X													M2-I	X					
		I	24	24	4.00														X												MI-4	X					
I32+20, LT		I	24	30	5.00						I				X		X														R2-I	X					
I34+16, RT	   B-B	I	24	30	5.00						I					X		X													R2-I	X					
		I	24	18	3.00																										VR-038						
		I	24	18	3.00																										VR-039						
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB											
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT			FT				LB		EA.	LB			EA.	EA.	LB										
TOTALS					SF	SF	EA.	SF				FT			FT				LB		EA.	LB			EA.	EA.	LB										
					50.45										188																						
																							TRAFFIC SIGN SUMMARY SHEET #3			PROJECT NAME: COVENTRY - NEWPORT CITY PROJECT NUMBER: STP 2308(I) FILE NAME: p01c052.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p01c052tss03.i						PLOT DATE: 18-MAY-2012 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 35 OF 107					

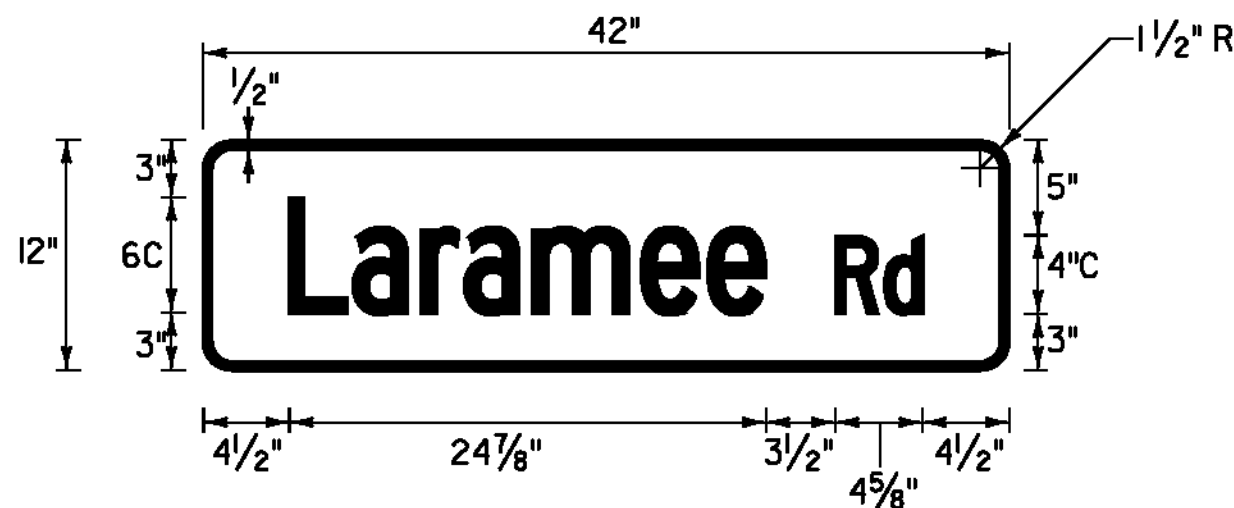
TRAFFIC SIGN SUMMARY SHEET 04

[illegible]



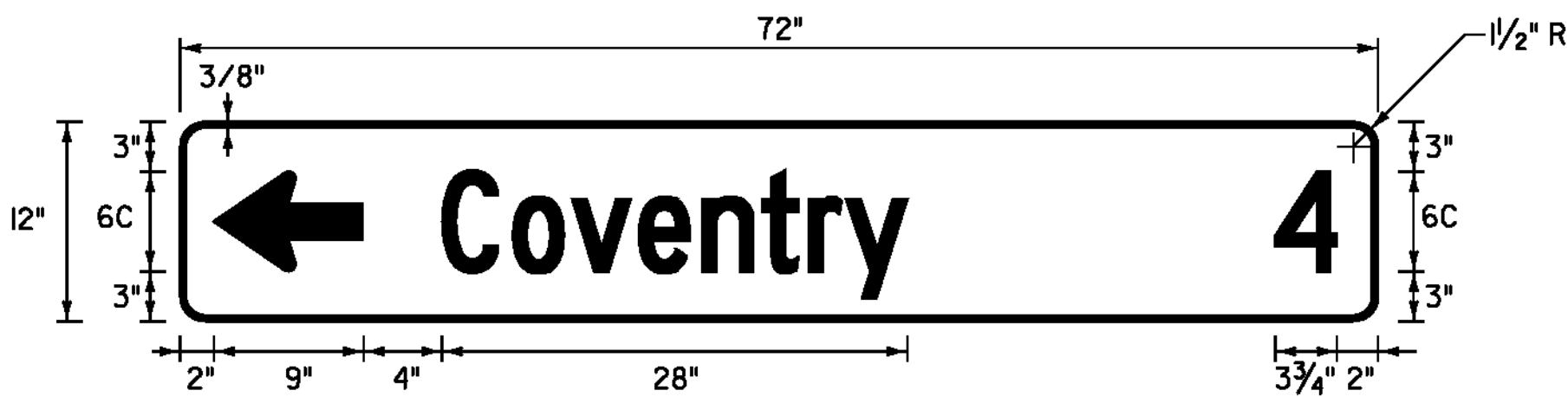
VD-024

LOCATION: NEWPORT CITY STA. 0+00, RT.
COLOR: WHITE DIVIDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TOWN LINE NOTE #4 BELOW



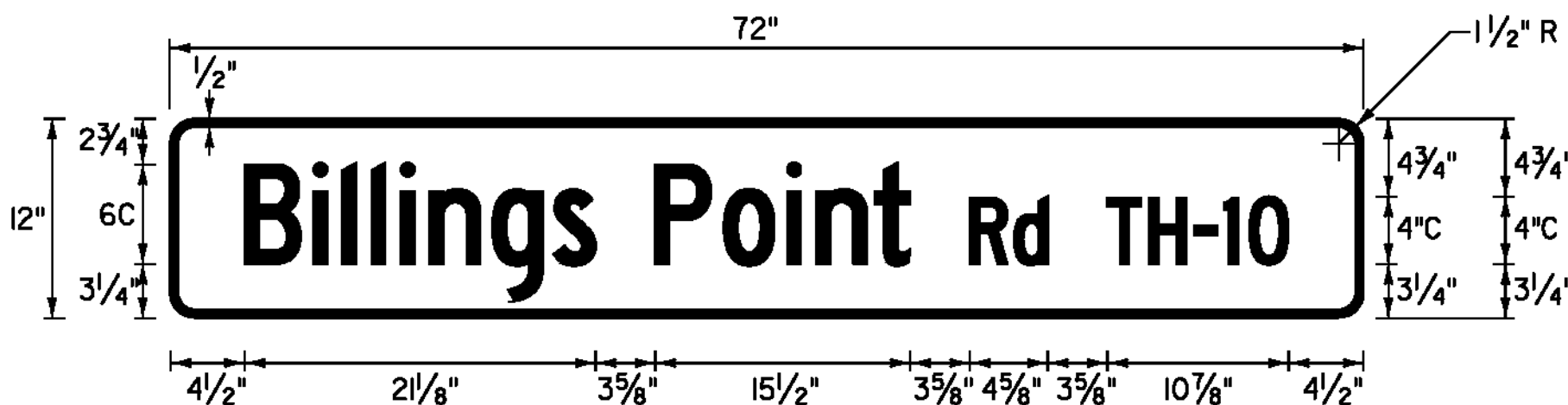
VD3-1

LOCATION: COVENTRY STA. 27+35, RT.
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



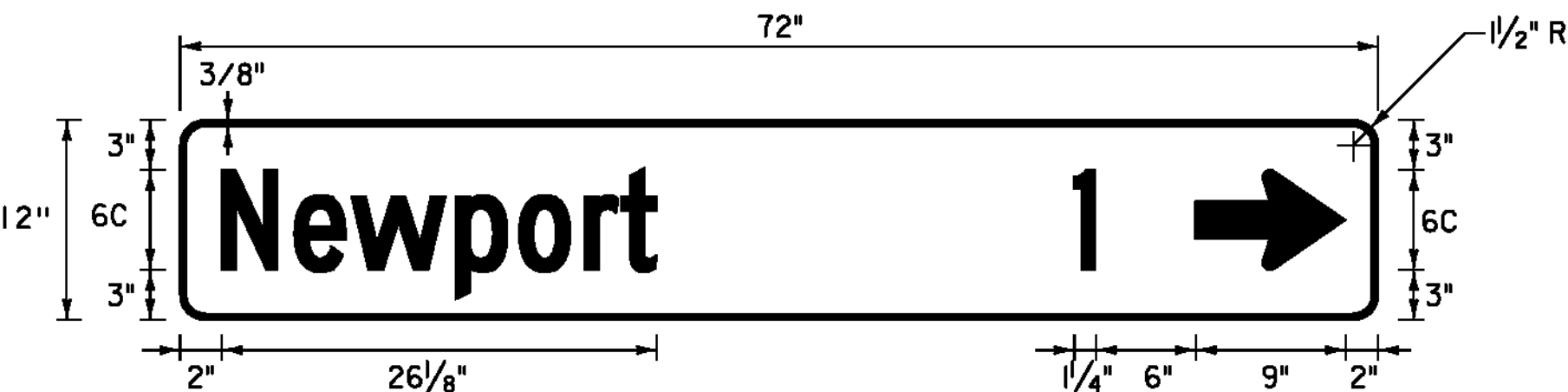
VD1-1a

LOCATION: STA. NEWPORT CITY I+90, RT.
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



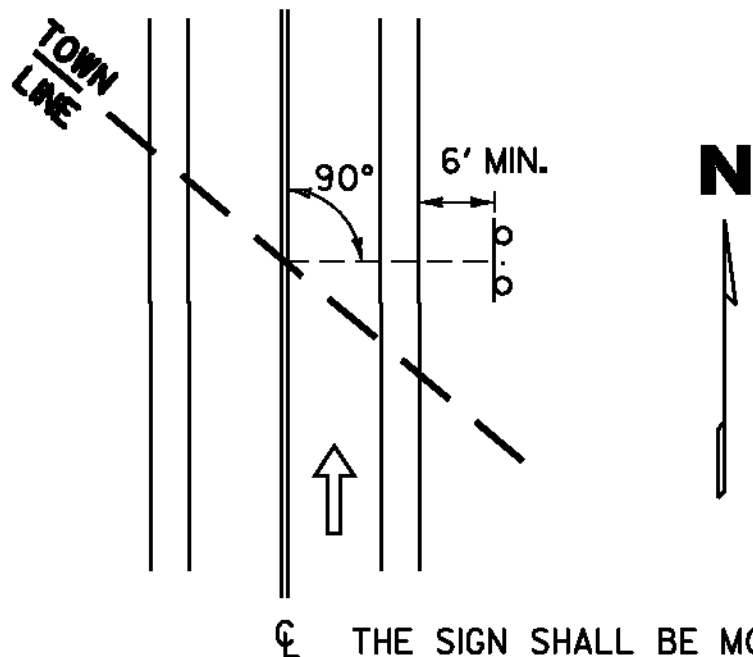
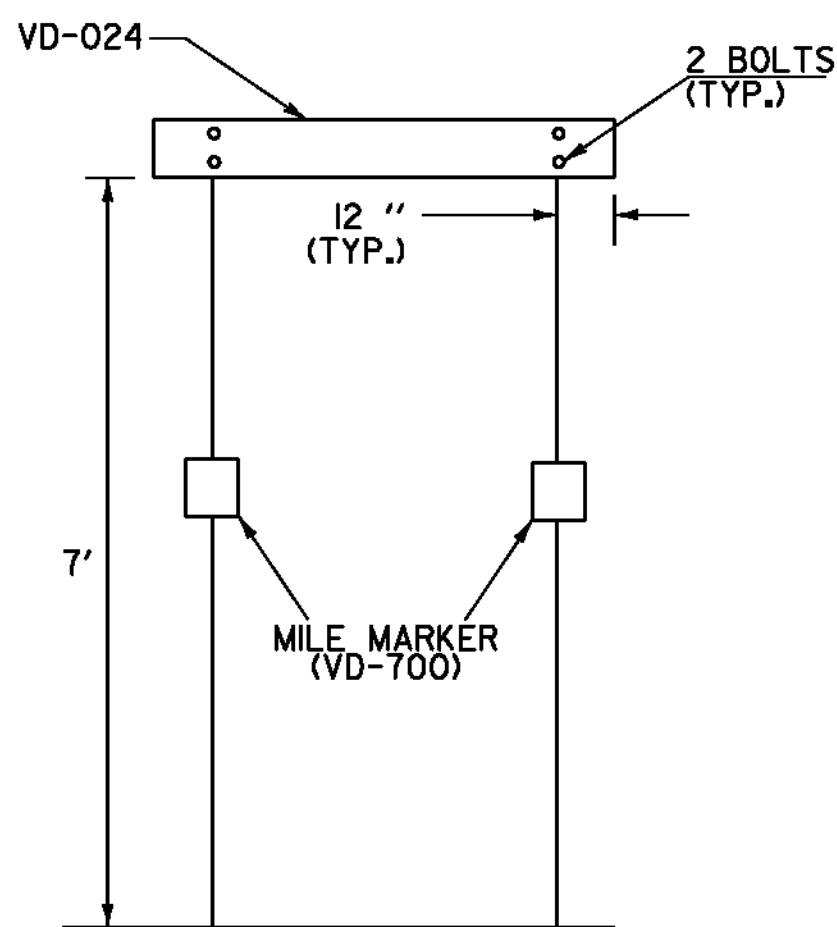
VD3-1

LOCATION: COVENTRY STA. 99+15, RT.
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM
NOTE: STREET SIGN IS ONE SIDED;
MOUNT TWO SIGNS BACK-TO-BACK



VD1-1a

LOCATION: STA. NEWPORT CITY I+90, RT.
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.

WHEN CROSSING COUNTY BOUNDARIES AN ADDITIONAL COUNTY LINE SIGN (VD-025) SHALL BE MOUNTED BELOW THE TOWN LINE SIGN (VD-024) MAINTAINING A SEVEN FOOT CLEARANCE.

TOWN LINE SIGN NOTES:

- WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENTS.
- DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.
- ALL DIMENSIONS ARE IN INCHES EXCEPT WHERE NOTED.
- THE SIGN BASE MATERIAL SHALL BE FLAT SHEET ALUMINUM 0.125" MINIMUM THICKNESS. THE RETROREFLECTIVE MATERIAL SHALL BE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE LEGEND SHALL BE CUT-OUT RETROREFLECTIVE LEGEND. ALL RETROREFLECTIVE MATERIAL SHALL BE EQUAL TO OR EXCEEDING THE "THE AMERICAN SOCIETY OF TESTING AND MATERIALS" (ASTM) TYPE III AASHTO M 268 (ASTM D 4956).
- SIGNS SHALL HAVE A RETROREFLECTIVE WHITE LEGEND ON A RETROREFLECTIVE GREEN BACKGROUND.
- LEGEND SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS APPROVED BY THE NATIONAL JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.

TRAFFIC SIGN NOTES

- ALL SIGN LETTERING, DIGITS, ARROWS, AND DESIGN OF SYMBOLS FOR SIGNS REFERENCED IN THESE PLANS SHALL CONFORM WITH THE "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) UNLESS OTHERWISE DETAILED WITHIN THESE PLANS.
- ALL COLORS SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND APPROVED BY FHWA UNLESS OTHERWISE NOTED.
- ALL SHEETING SHALL BE TYPE III MINIMUM (AASHTO M 268 (ASTM D 4956)).
- ALL STREET SIGNS ARE TWO-SIDED UNLESS NOTED OTHERWISE.
- UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIALS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIZES				
	24" X 10"	36" X 12"		
	24" X 12"	42" X 12"		
	30" X 12"	48" X 12"		
	24" X 18"	36" X 18"		
	24" X 24"	54" X 12"	48" X 18"	
	24" X 30"	36" X 24"	48" X 24"	
	9" X 12"	30" X 15"	30" X 42"	48" X 30"
	12" X 12"	30" X 18"	36" X 36"	48" X 42"
	18" X 18"	30" X 30"	36" X 48"	48" X 48"
	21" X 15"	30" X 42"	36" X 54"	48" X 60"
THICKNESS	0.060"	0.080"	0.100"	0.125"



NOT TO SCALE

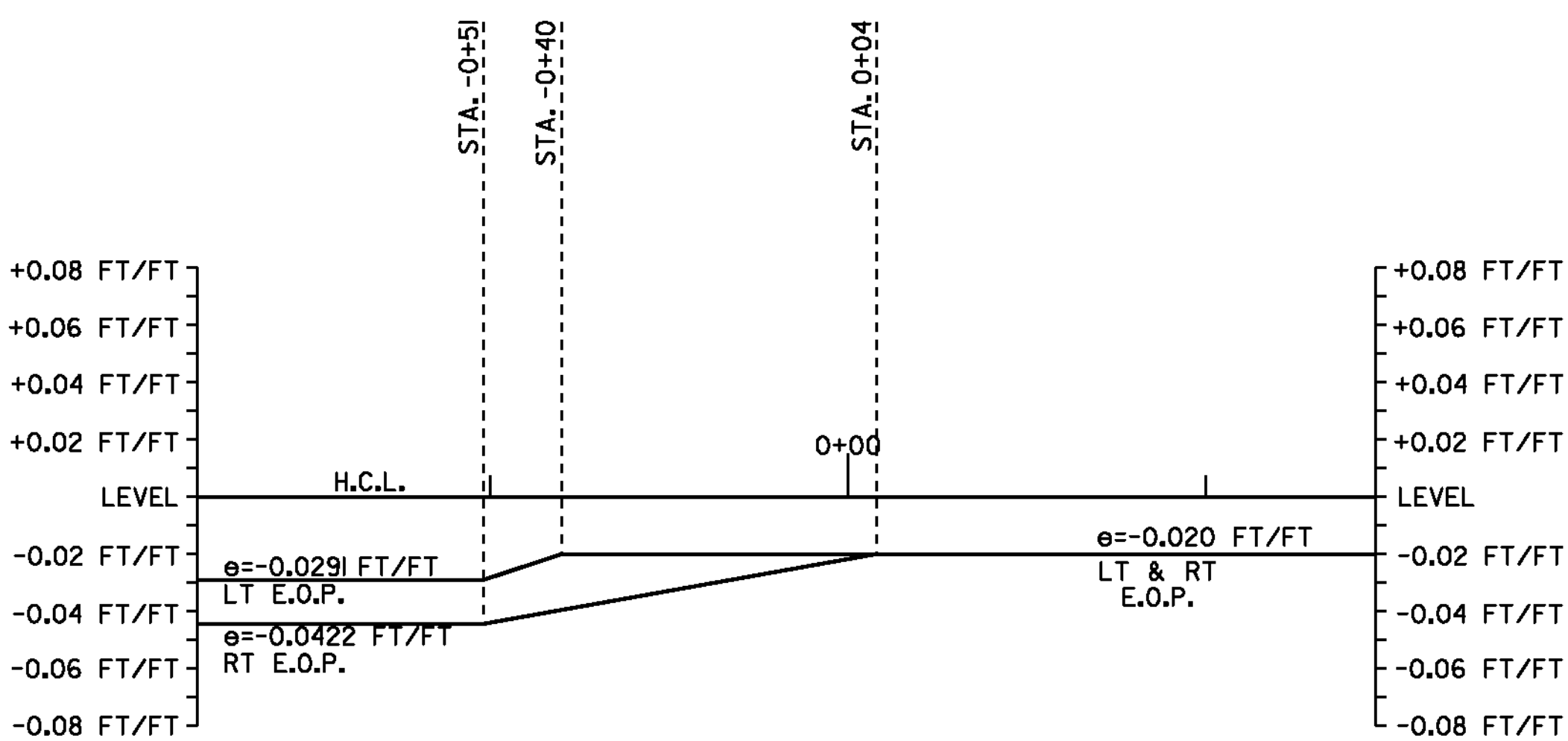
TRAFFIC SIGN DETAIL SHEET

PROJECT NAME: COVENTRY-NEWPORT CITY

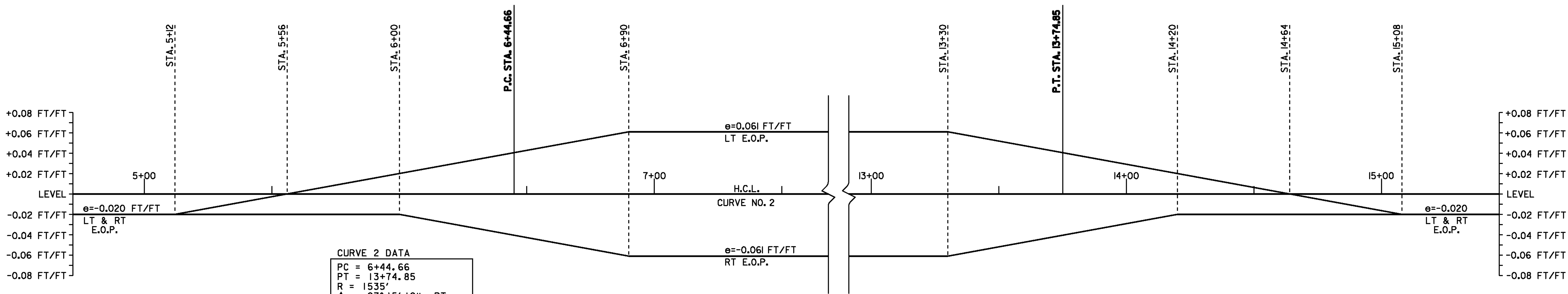
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052tsd.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 37 OF 107



BEGIN PROJECT BANKING TRANSITION DIAGRAM



CURVE 2 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SHOULDER CROSS SLOPE ON THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL BE A MINIMUM OF SIX PERCENT AND MATCH THE ADJACENT LANE CROSS SLOPE WHEN THE LANE CROSS SLOPE EXCEEDS SIX PERCENT.
3. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.



**SUPERELEVATION
BANKING
TRANSITION
DIAGRAM
SHEET #1**

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

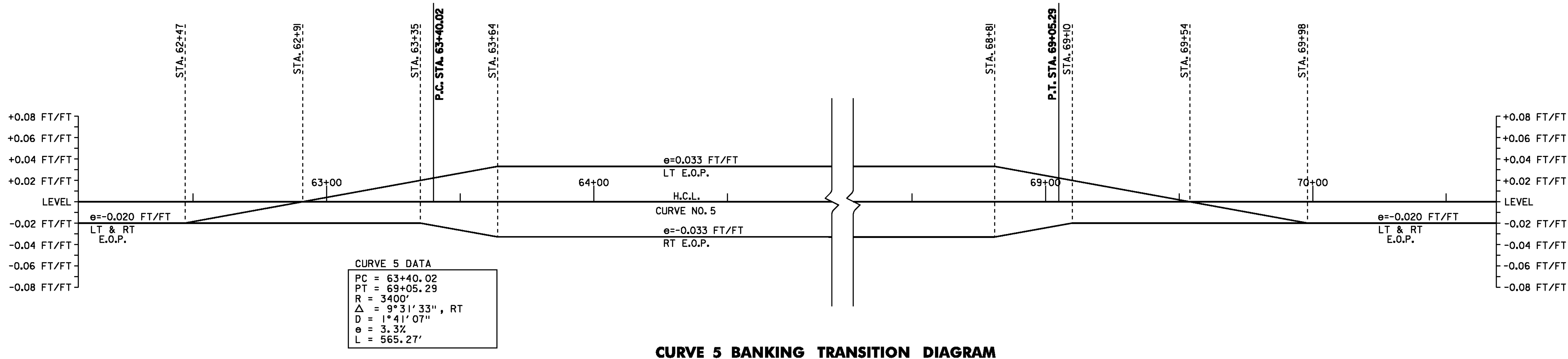
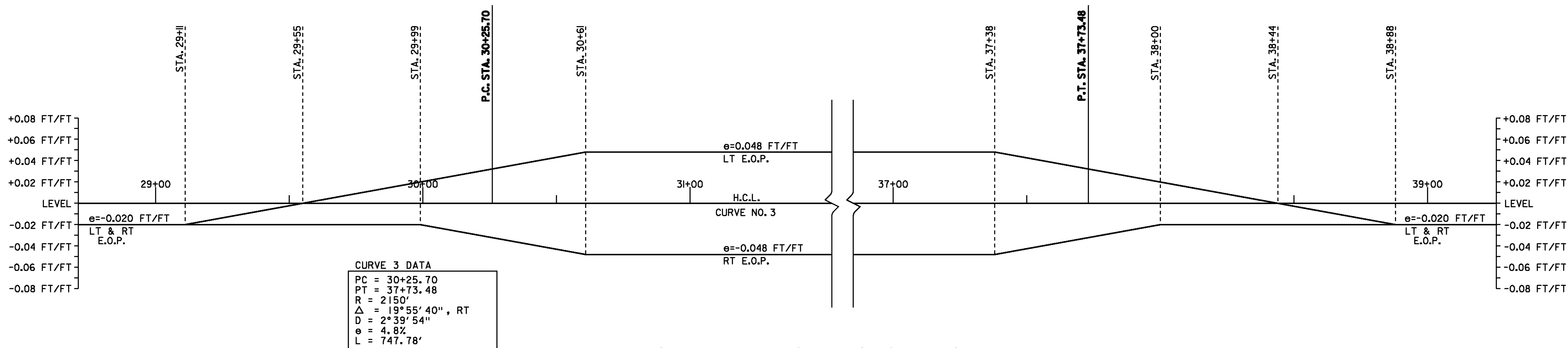
IPARM FILE: p01c052sbd01.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 38 OF 107



- SUPERELEVATION BANKING NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
 2. SHOULDER CROSS SLOPE ON THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL BE A MINIMUM OF SIX PERCENT AND MATCH THE ADJACENT LANE CROSS SLOPE WHEN THE LANE CROSS SLOPE EXCEEDS SIX PERCENT.
 3. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.



**SUPERELEVATION
BANKING
TRANSITION
DIAGRAM
SHEET #2**

NOTE: CURVES NO. 4 & 6 DO NOT REQUIRE BANKING

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

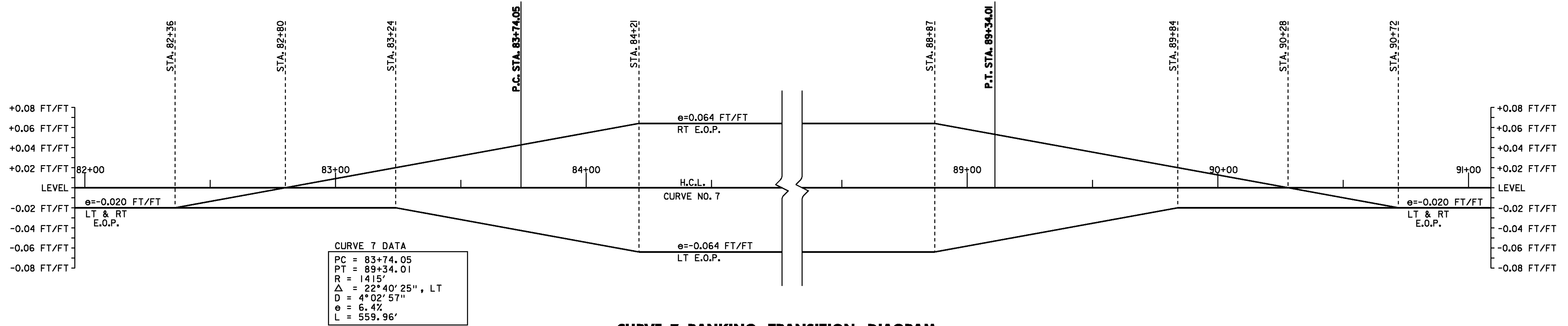
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PLOT DATE: 18-MAY-2012

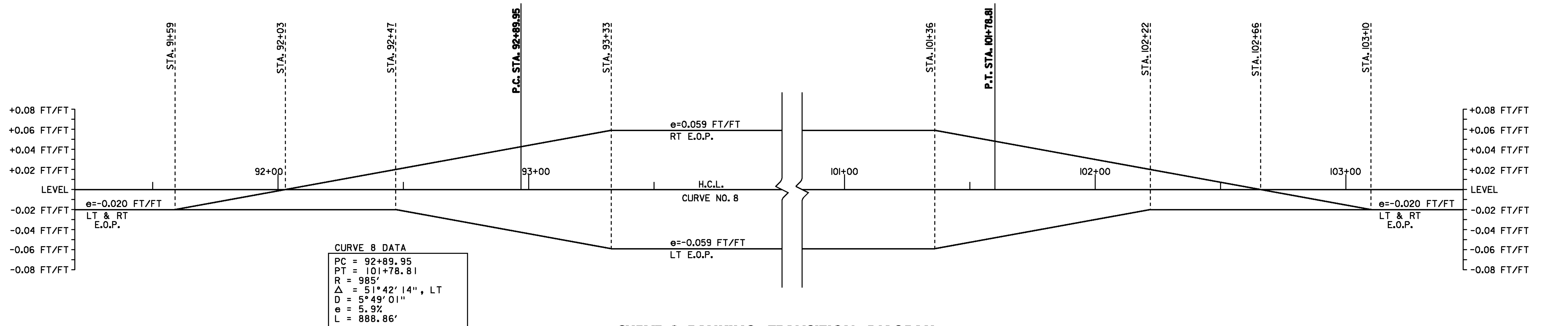
DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 39 OF 107



CURVE 7 BANKING TRANSITION DIAGRAM



CURVE 8 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SHOULDER CROSS SLOPE ON THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL BE A MINIMUM OF SIX PERCENT AND MATCH THE ADJACENT LANE CROSS SLOPE WHEN THE LANE CROSS SLOPE EXCEEDS SIX PERCENT.
3. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.



**SUPERELEVATION
BANKING
TRANSITION
DIAGRAM
SHEET #3**

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

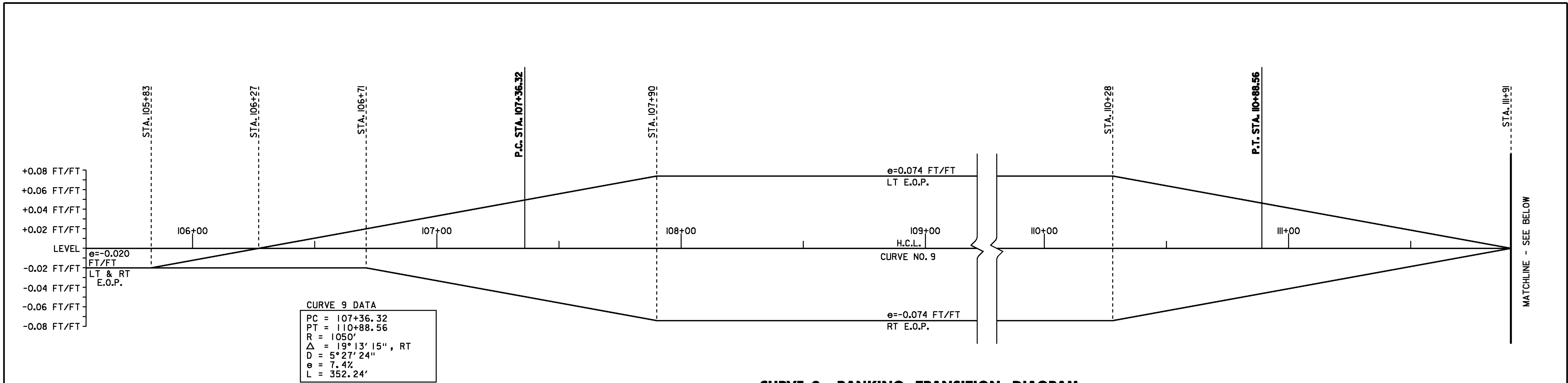
IPARM FILE: p01c052sbd03.i

PLOT DATE: 18-MAY-2012

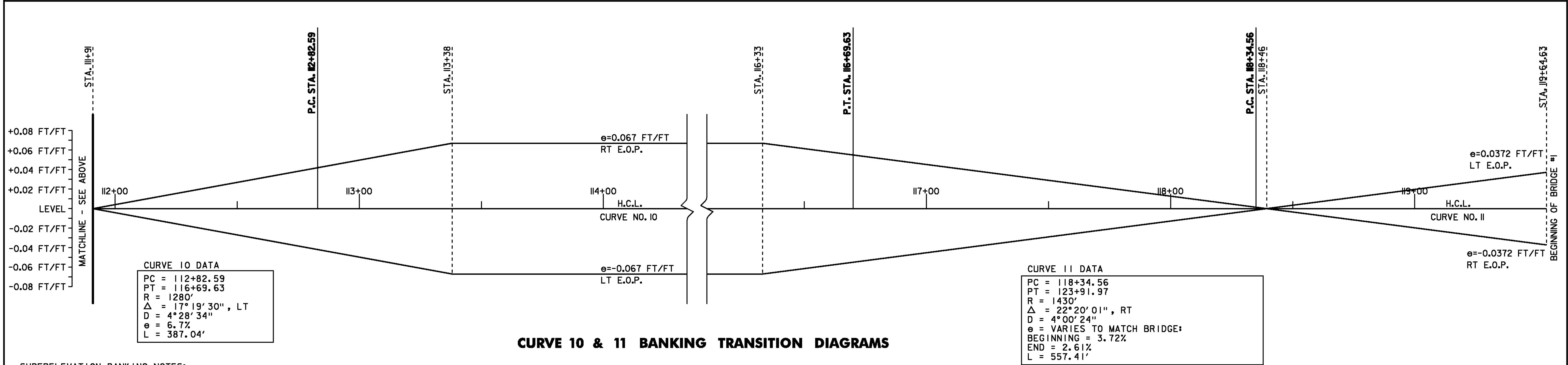
DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 40 OF 107



CURVE 9 BANKING TRANSITION DIAGRAM



CURVE 10 & 11 BANKING TRANSITION DIAGRAMS

- SUPERELEVATION BANKING NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
 2. SHOULDER CROSS SLOPE ON THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL BE A MINIMUM OF SIX PERCENT AND MATCH THE ADJACENT LANE CROSS SLOPE WHEN THE LANE CROSS SLOPE EXCEEDS SIX PERCENT.
 3. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

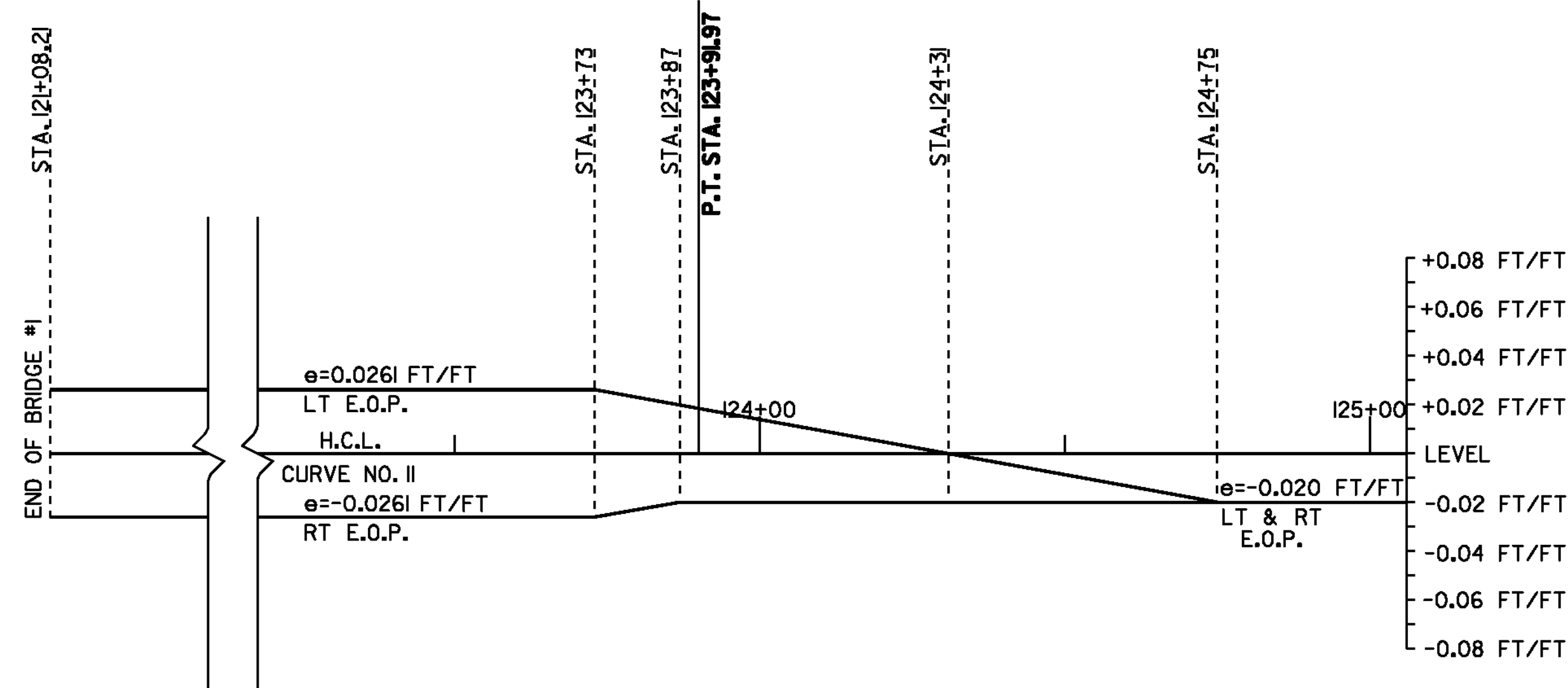


**SUPERELEVATION
BANKING
TRANSITION
DIAGRAM
SHEET #4**

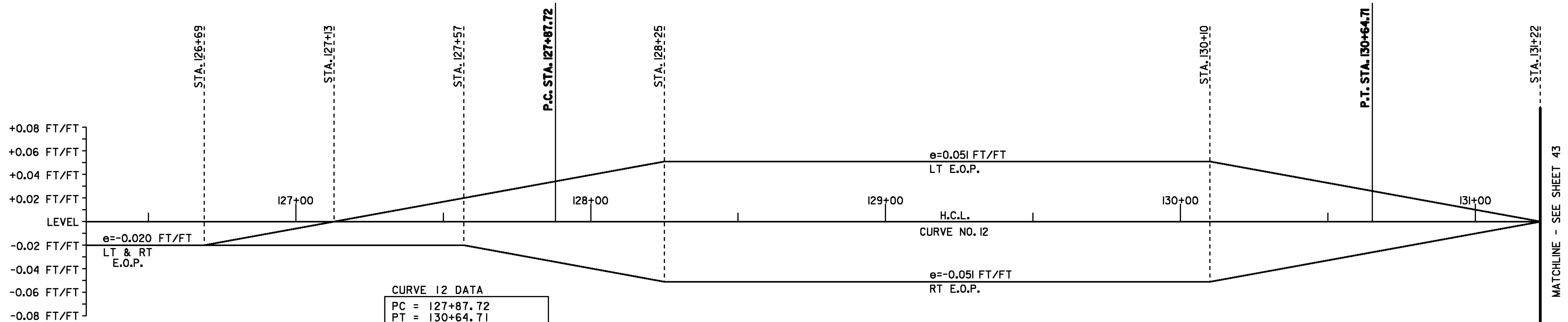
PROJECT NAME:	COVENTRY-NEWPORT CITY
PROJECT NUMBER:	STP 2308(I)
FILE NAME:	p01c052.dgn
PROJECT LEADER:	JLL
DESIGNED BY:	STANTEC
IPARM FILE:	p01c052sbd04.i
PLOT DATE:	18-MAY-2012
DRAWN BY:	STANTEC
CHECKED BY:	STANTEC
SHEET	41 OF 107

CURVE 11 DATA

PC = 118+34.56
PT = 123+91.97
R = 1430'
 Δ = 22°20'01", RT
D = 4°00'24"
e = VARIES TO MATCH BRIDGE
BEGINNING = 3.72%
END = 2.61%
L = 557.41'



CURVE 11 BANKING TRANSITION DIAGRAM



CURVE 12 DATA

PC = 127+87.72
PT = 130+64.71
R = 2000'
 Δ = 7°56'07", RT
D = 2°51'53"
e = 5.1%
L = 276.99'

CURVE 12 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SHOULDER CROSS SLOPE ON THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL BE A MINIMUM OF SIX PERCENT AND MATCH THE ADJACENT LANE CROSS SLOPE WHEN THE LANE CROSS SLOPE EXCEEDS SIX PERCENT.
3. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.



**SUPERELEVATION
BANKING
TRANSITION
DIAGRAM
SHEET #5**

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p01c052sbd05.1

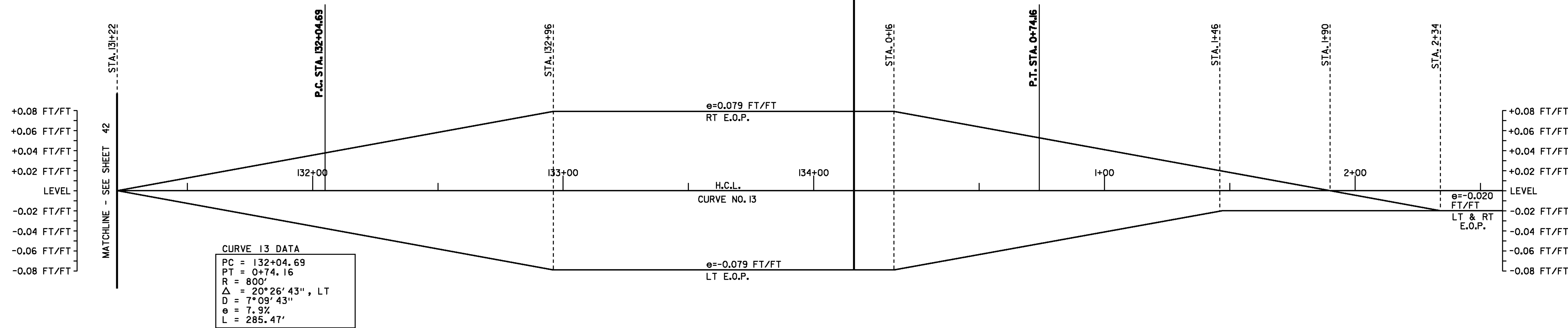
PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

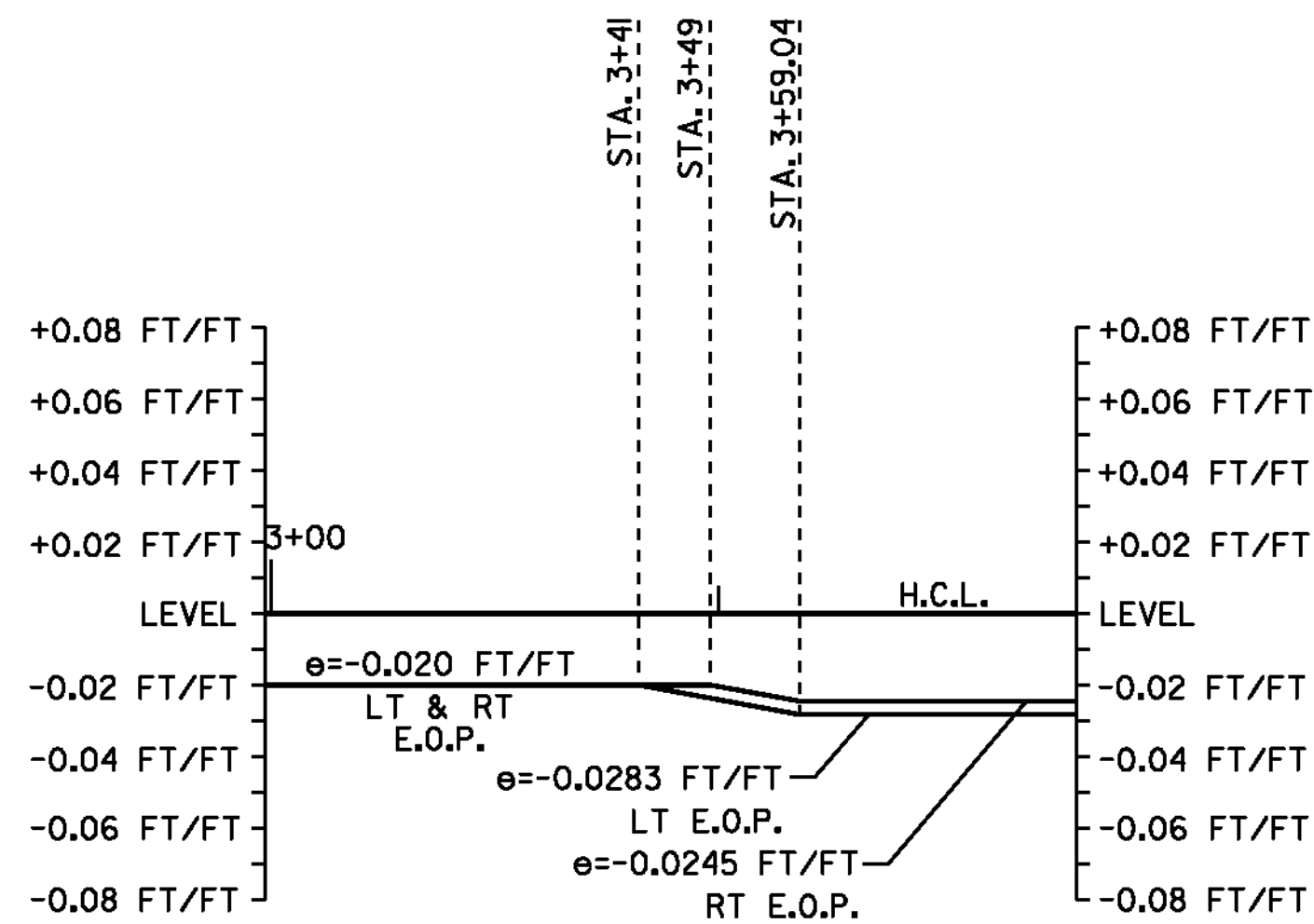
CHECKED BY: STANTEC

SHEET 42 OF 107

COVENTRY P.O.C. 134+16.48 BK = NEWPORT CITY P.O.C. 0+00.00 AHD



CURVE 13 BANKING TRANSITION DIAGRAM



END PROJECT BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SHOULDER CROSS SLOPE ON THE INSIDE (LOW SIDE) OF A SUPERELEVATED CURVE SHALL BE A MINIMUM OF SIX PERCENT AND MATCH THE ADJACENT LANE CROSS SLOPE WHEN THE LANE CROSS SLOPE EXCEEDS SIX PERCENT.
3. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.



**SUPERELEVATION
BANKING
TRANSITION
DIAGRAM
SHEET #6**

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p01c052sbd06.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 43 OF 107

ELEMENT	POINT TYPE	STATION	NORTHING	EASTING	RADIUS	LENGTH	DELTA /	ROTATION	MAXIMUM	DESIGN
							THETA			
TANGENT	POB	-4+44.67	870613.19	1712417.07						50
	PC	-0+19.36	870983.39	1712207.68						
ARC	PC	-0+19.36	870983.39	1712207.68	5000	38.718	0° 26'37"	LEFT	MATCH EXISTING	50
	PI	0+00.00	871000.24	1712198.15						
	CC		868521.79	1707855.61						
	PT	0+19.36	871017.02	1712188.48						
TANGENT	PT	0+19.36	871017.02	1712188.48						50
	PC	6+44.66	871558.89	1711876.43						
	PC	6+44.66	871558.89	1711876.43						
ARC	PI	10+16.80	871881.37	1711690.72	1535	730.19	27° 15'19"	RIGHT	0.061	50
	CC		872324.93	1713206.62						
	PT	13+74.85	872253.11	1711673.30						
	PT	13+74.85	872253.11	1711673.30						
TANGENT	PT	13+74.85	872253.11	1711673.30						50
	PC	30+25.70	873902.15	1711596.07						
	PC	30+25.70	873902.15	1711596.07						
ARC	PI	34+03.41	874279.44	1711578.39	2150	747.78	19° 55'40"	RIGHT	0.048	50
	CC		874002.74	1713743.71						
	PT	37+73.48	874640.17	1711690.37						
	PT	37+73.48	874640.17	1711690.37						
TANGENT	PT	37+73.48	874640.17	1711690.37						50
	PC	46+65.30	875491.88	1711954.78						
	PC	46+65.30	875491.88	1711954.78						
ARC	PI	52+51.76	876051.98	1712128.65	14000	1172.2	4° 47'51"	LEFT	NC	50
	CC		879642.55	1698584.21						
	PT	58+37.53	876624.65	1712255.07						
	PT	58+37.53	876624.65	1712255.07						
TANGENT	PT	58+37.53	876624.65	1712255.07						50
	PC	63+40.02	877115.32	1712363.39						
	PC	63+40.02	877115.32	1712363.39						
ARC	PI	66+23.31	877391.95	1712424.45	3400	565.27	9° 31'33"	RIGHT	0.033	50
	CC		876382.41	1715683.45						
	PT	69+05.29	877654.66	1712530.46						
	PT	69+05.29	877654.66	1712530.46						
TANGENT	PT	69+05.29	877654.66	1712530.46						50
	PC	77+16.52	878406.95	1712834.01						
	PC	77+16.52	878406.95	1712834.01						
ARC	PI	79+05.37	878582.08	1712904.68	40000	377.7	0° 32'28"	LEFT	NC	50
	CC		893374.61	1675739.95						
	PT	80+94.22	878757.87	1712973.69						
	PT	80+94.22	878757.87	1712973.69						
TANGENT	PT	80+94.22	878757.87	1712973.69						50
	PC	83+74.05	879018.35	1713075.94						
	PC	83+74.05	879018.35	1713075.94						
ARC	PI	86+57.74	879282.43	1713179.61	1415	559.96	22° 40'25"	LEFT	0.064	50
	CC		879535.42	1711758.80						
	PT	89+34.01	879566.05	1713173.47						
	PT	89+34.01	879566.05	1713173.47						
TANGENT	PT	89+34.01	879566.05	1713173.47						50
	PC	92+89.95	879921.91	1713165.76						

ELEMENT	POINT TYPE	STATION	NORTHING	EASTING	RADIUS	LENGTH	DELTA /	ROTATION	MAXIMUM	DESIGN
							THETA			
ARC	PC	92+89.95	879921.91	1713165.76	985	888.86	51° 42'14"	LEFT	0.059	50
	PI	97+67.21	880399.06	1713155.43						
	CC		879900.58	1712180.99						
	PT	101+78.81	880686.66	1712774.55						
TANGENT	PT	101+78.81	880686.66	1712774.55						50
	PC	107+36.32	881022.61	1712329.63						
	PC	107+36.32	881022.61	1712329.63						
ARC	PI	109+14.11	881129.75	1712187.74	1050	352.24	19° 13'15"	RIGHT	0.074	50
	CC		881860.56	1712962.35						
	PT	110+88.56	881277.63	1712089.04						
	PT	110+88.56	881277.63	1712089.04						
TANGENT	PT	110+88.56	881277.63	1712089.04						50
	PC	112+82.59	881439.00	1711981.32						
	PC	112+82.59	881439.00	1711981.32						
ARC	PI	114+77.60	881601.20	1711873.05	1280	387.04	17° 19'30"	LEFT	0.067	50
	CC		880728.37	1710916.70						
	PT	116+69.63	881723.79	1711721.40						
	PT	116+69.63	881723.79	1711721.40						
TANGENT	PT	116+69.63	881723.79	1711721.40						50
	PC	118+34.56	881827.48	1711593.13						
	PC	118+34.56	881827.48	1711593.13						
ARC	PI	121+16.85	882004.95	1711373.61	1430	557.41	22° 20'01"	RIGHT	MATCH EXISTING BRIDGE	50
	CC		882939.55	1712492.13						
	PT	123+91.97	882252.52	1711237.99						
	PT	123+91.97	882252.52	1711237.99						
TANGENT	PT	123+91.97	882252.52	1711237.99						50
	PC	127+87.72	882599.60	1711047.85						
	PC	127+87.72	882599.60	1711047.85						
ARC	PI	129+26.44	882721.26	1710981.20	2000	276.99	7° 56'07"	RIGHT	0.051	50
	CC		883560.49	1712801.90						
	PT	130+64.71	882850.96	1710931.99						
	PT	130+64.71	882850.96	1710931.99						
TANGENT	PT	130+64.71	882850.96	1710931.99						50
	PC	132+04.69	882981.83	1710882.33						
	PC	132+04.69	882981.83	1710882.33						
ARC	PI	133+48.96	883116.71	1710831.15	800	285.47	20° 26'43"	LEFT	0.079	50
	CC		882698.01	1710134.37						
	PT	0+74.16	883225.22	1710736.08						
	PT	0+74.16	883225.22	1710736.08						
BACK STATION		134+16.00	883167.26	1710782.29						
AHEAD STATION		0+00.00								
TANGENT	PT	0+74.16	883225.22	1710736.08						50
	PC	3+71.08	883448.55	1710540.40						
	PC	3+71.08	883448.55	1710540.40						
ARC	PI	4+38.21	883499.03	1710496.16	400	133.01	19° 03'08"	LEFT	MATCH EXISTING	50
	CC		883184.94	1710239.55						
	PT	5+04.09	883532.31	1710437.87						
	PT	5+04.09	883532.31	1710437.87						
TANGENT	PT	5+04.09	883532.31	1710437.87						50
	POE	6+39.65	883599.53	1710320.15						



**HORIZONTAL
ALIGNMENT
TABLE SHEET**

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p01c052hats01.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 44 OF 107

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
LINEAR	POB	-2+00.64	901.07	182.14	0.17%				
		-2+00.00	901.07						
		-1+50.00	901.15						
		-1+00.00	901.24						
		-0+50.00	901.32						
	PVC	-0+18.50	901.37						
SYMMETRICAL PARABOLA	PVC	-0+18.50	901.37	50	0.17%	1.16%	50.39	0.0600	
		0+00.00	901.44						
	PVI	0+06.50	901.41						
LINEAR	PVT	0+31.50	901.70	611	1.16%				
		0+50.00	901.92						
		1+00.00	902.50						
		1+13.00	902.65						
		1+50.00	903.08						
		2+00.00	903.66						
		2+50.00	904.24						
		3+00.00	904.82						
		3+50.00	905.40						
		4+00.00	905.98						
		4+50.00	906.55						
		5+00.00	907.13						
		5+50.00	907.71						
		6+00.00	908.29						
	PVC	6+42.50	908.79						
SYMMETRICAL PARABOLA	PVC	6+42.50	908.79	175	1.16%	-1.30%	71.1533	-0.538	526.2719
		6+50.00	908.87						
		7+00.00	909.22						
	VHIGH	7+24.97	909.26						
	PVI	7+30.00	909.80						
		7+50.00	909.22						
LINEAR		8+00.00	908.87	98.3466	-1.30%				
	PVT	8+17.50	908.66						
		8+50.00	908.24						
		9+00.00	907.59						
SYMMETRICAL PARABOLA	PVC	9+15.85	907.38	140	-1.30%	0.41%	82.0112	0.2987	
		9+50.00	907.01						
	PVI	9+85.85	906.47						
	VLOW	10+00.00	906.72						
		10+22.50	906.69						
		10+50.00	906.74						
LINEAR	PVT	10+55.85	906.76	543.3848	0.41%				
		10+55.85	906.76						
		11+00.00	906.94						
		11+50.00	907.14						
		12+00.00	907.34						
		12+50.00	907.55						
		13+00.00	907.75						
		13+50.00	907.95						
		14+00.00	908.16						
		14+50.00	908.36						
		15+00.00	908.56						
	PVC	15+99.23	908.97						

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
SYMMETRICAL PARABOLA	PVC	15+99.23	908.97	200	0.41%	-0.34%	269.851	-0.1853	1556.049
		16+00.00	908.97						
		16+50.00	909.13						
	PVI	16+99.23	909.37						
		17+00.00	909.19						
	VHIGH	17+08.96	909.19						
		17+50.00	909.16						
	PVT	17+99.23	909.04						
LINEAR	PVT	17+99.23	909.04	2.7686	-0.34%				
		18+00.00	909.04						
	PVC	18+02.00	909.03						
SYMMETRICAL PARABOLA	PVC	18+02.00	909.03	110	-0.34%	0.85%	92.9528	0.1627	
	VLOW	18+33.09	908.98						
		18+50.00	908.99						
	PVI	18+57.00	908.85						
		19+00.00	909.22						
LINEAR	PVT	19+12.00	909.31	95.5	0.85%				
	PVT	19+12.00	909.31						
		19+50.00	909.64						
		20+00.00	910.06						
	PVC	20+07.50	910.12						
SYMMETRICAL PARABOLA	PVC	20+07.50	910.12	135	0.85%	-0.22%	125.826	-0.1811	1073.313
		20+50.00	910.41						
	PVI	20+75.00	910.70						
		21+00.00	910.57						
	VHIGH	21+14.31	910.58						
LINEAR	PVT	21+42.50	910.55	1.5603	-0.22%				
	PVT	21+42.50	910.55						
	PVC	21+44.06	910.54						
SYMMETRICAL PARABOLA	PVC	21+44.06	910.54	290	-0.22%	1.29%	192.014	0.5475	
		21+50.00	910.53						
	VLOW	21+87.08	910.49						
		22+00.00	910.50						
		22+50.00	910.60						
	PVI	22+89.06	910.22						
		23+00.00	910.83						
		23+50.00	911.18						
LINEAR		24+00.00	911.67	113.8401	1.29%				
	PVT	24+34.06	912.08						
	PVT	24+34.06	912.08						
		24+50.00	912.29						
	PVC	25+00.00	912.93						
		25+47.90	913.55						



VERTICAL
ALIGNMENT
TABLE SHEET
#1

PROJECT NAME:	COVENTRY-NEWPORT CITY
PROJECT NUMBER:	STP 2308(1)
FILE NAME: p01c052.dgn	PLOT DATE: 18-MAY-2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p01c052vats01.i	SHEET 45 OF 107

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
SYMMETRICAL PARABOLA	PVC	25+47.90	913.55	450	1.29%	-4.59%	76.5743	-3.3056	406.5345
		25+50.00	913.57						
		26+00.00	914.04						
	VHIGH	26+46.40	914.18						
		26+50.00	914.18						
		27+00.00	913.99						
	PVI	27+50.00	913.48						
		27+72.90	916.44						
		28+00.00	912.64						
		28+50.00	911.47						
		29+00.00	909.98						
		29+50.00	908.16						
		29+97.90	906.11						
LINEAR	PVT	29+97.90	906.11	262.0996	-4.59%				
		30+00.00	906.02						
		30+50.00	903.72						
		31+00.00	901.43						
		31+50.00	899.13						
		32+00.00	896.84						
		32+50.00	894.54						
	PVC	32+60.00	894.08						
SYMMETRICAL PARABOLA	PVC	32+60.00	894.08	110	-4.59%	-1.93%	41.3231	0.366	
		33+00.00	892.44						
	PVI	33+15.00	891.56						
		33+50.00	890.93						
LINEAR	PVT	33+70.00	890.50	114	-1.93%				
		34+00.00	889.92						
	PVC	34+50.00	888.95						
		34+84.00	888.30						
SYMMETRICAL PARABOLA	PVC	34+84.00	888.30	190	-1.93%	-4.24%	82.3717	-0.5478	
		35+00.00	887.97						
		35+50.00	886.76						
	PVI	35+79.00	886.47						
		36+00.00	885.24						
		36+50.00	883.42						
LINEAR	PVT	36+74.00	882.44	161	-4.24%				
		36+74.00	882.44						
		37+00.00	881.34						
		37+50.00	879.22						
		38+00.00	877.11						
	PVC	38+35.00	875.62						

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
SYMMETRICAL PARABOLA	PVC	38+35.00	875.62	670	-4.24%	0.37%	145.4445	3.858	
		38+50.00	875.00						
		39+00.00	873.02						
		39+50.00	871.21						
		40+00.00	869.57						
		40+50.00	868.11						
		41+00.00	866.81						
		41+50.00	865.69						
		41+70.00	861.44						
	PVI	42+00.00	864.75						
		42+50.00	863.97						
		43+00.00	863.36						
		43+50.00	862.93						
		44+00.00	862.67						
		44+50.00	862.58						
		VLOW	44+50.96						
		45+00.00	862.66						
	PVT	45+05.00	862.68						
LINEAR	PVT	45+05.00	862.68	30	0.37%				
	PVC	45+35.00	862.79						
SYMMETRICAL PARABOLA	PVC	45+35.00	862.79	500	0.37%	-1.73%	237.9279	-1.3134	763.5199
		45+50.00	862.84						
	VHIGH	46+00.00	862.94						
		46+23.40	862.96						
		46+50.00	862.94						
		47+00.00	862.83						
		47+50.00	862.62						
		47+85.00	863.72						
		48+00.00	862.30						
		48+50.00	861.88						
		49+00.00	861.35						
		49+50.00	860.71						
		50+00.00	859.98						
LINEAR	PVT	50+35.00	859.40	145	-1.73%				
		50+35.00	859.40						
		50+50.00	859.14						
	PVC	51+00.00	858.27						
		51+50.00	857.41						
	PVC	51+80.00	856.89						
SYMMETRICAL PARABOLA	PVC	51+80.00	856.89	240	-1.73%	-0.71%	234.6628	0.3068	
		52+00.00	856.55						
		52+50.00	855.78						
	PVI	53+00.00	854.81						
		53+00.00	855.12						
		53+50.00	854.56						
		54+00.00	854.11						
	PVRC	54+20.00	853.96						



VERTICAL
ALIGNMENT
TABLE SHEET
#2

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p01c052vats02.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 46 OF 107

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
SYMMETRICAL PARABOLA	PVRC	54+20.00	853.96	250	-0.71%	-3.38%	93.6496	-0.8342	
		54+50.00	853.70						
		55+00.00	853.06						
	PVI	55+45.00	853.08						
		55+50.00	852.14						
		56+00.00	850.96						
		56+50.00	849.51						
	PVT	56+70.00	848.86						
LINEAR	PVT	56+70.00	848.86	9.781	-3.38%				
	PVC	56+79.78	848.53						
	PVC	56+79.78	848.53						
SYMMETRICAL PARABOLA		57+00.00	847.86	130	-3.38%	-2.34%	125.6991	0.1681	
	PVI	57+44.78	846.33						
		57+50.00	846.35						
		58+00.00	845.04						
	PVT	58+09.78	844.81						
	PVT	58+09.78	844.81						
LINEAR		58+50.00	843.87	224.219	-2.34%				
		59+00.00	842.70						
		59+50.00	841.53						
		60+00.00	840.35						
	PVC	60+34.00	839.56						
	PVC	60+34.00	839.56						
SYMMETRICAL PARABOLA		60+50.00	839.17	530	-2.34%	-8.76%	82.6408	-4.2488	
		61+00.00	837.75						
		61+50.00	836.03						
		62+00.00	834.00						
		62+50.00	831.68						
	PVI	62+99.00	833.35						
		63+00.00	829.05						
		63+50.00	826.11						
		64+00.00	822.88						
		64+50.00	819.34						
		65+00.00	815.50						
		65+50.00	811.36						
	PVT	65+64.00	810.15						
	PVT	65+64.00	810.15						
LINEAR	PVC	65+75.00	809.18	11	-8.76%				
	PVC	65+75.00	809.18						
	PVC	65+75.00	809.18						
SYMMETRICAL PARABOLA		66+00.00	807.05	480	-8.76%	-0.27%	56.5707	5.091	
		66+50.00	803.11						
		67+00.00	799.62						
		67+50.00	796.57						
		68+00.00	793.96						
	PVI	68+15.00	788.17						
		68+50.00	791.79						
		69+00.00	790.06						
		69+50.00	788.78						
		70+00.00	787.94						
		70+50.00	787.54						
	PVT	70+55.00	787.52						
	PVT	70+55.00	787.52						
		71+00.00	787.40						
LINEAR		71+50.00	787.26	147.5837	-0.27%				
		72+00.00	787.13						
		72+02.58	787.12						
	PVC	72+02.58	787.12						

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
SYMMETRICAL PARABOLA	PVC	72+02.58	787.12	470	-0.27%	-8.37%	58.0677	-4.7552	
		72+50.00	786.80						
		73+00.00	786.04						
		73+50.00	784.85						
		74+00.00	783.23						
	PVI	74+37.58	786.48						
		74+50.00	781.18						
		75+00.00	778.70						
		75+50.00	775.79						
		76+00.00	772.44						
		76+50.00	768.67						
	PVT	76+72.58	766.83						
	PVT	76+72.58	766.83						
	PVT	76+72.58	766.83						
LINEAR		77+00.00	764.53	70.2148	-8.37%				
	PVC	77+42.80	760.95						
	PVC	77+42.80	760.95						
SYMMETRICAL PARABOLA		77+50.00	760.35	150	-8.37%	-7.00%	110.0374	0.2556	
		78+00.00	756.32						
	PVI	78+17.80	754.68						
		78+50.00	752.51						
	PVT	78+92.80	749.43						
	PVT	78+92.80	749.43						
LINEAR		79+00.00	748.92	354.2015	-7.00%				
		79+50.00	745.42						
		80+00.00	741.92						
		80+50.00	738.42						
		81+00.00	734.92						
		81+50.00	731.42						
		82+00.00	727.92						
	PVC	82+47.00	724.63						
	PVC	82+47.00	724.63						
		82+50.00	724.42						
SYMMETRICAL PARABOLA		83+00.00	721.07	380	-7.00%	-2.73%	88.9387	2.0295	
		83+50.00	718.01						
		84+00.00	715.23						
	PVI	84+37.00	711.32						
		84+50.00	712.73						
		85+00.00	710.51						
		85+50.00	708.57						
		86+00.00	706.92						
	PVT	86+27.00	706.14						
	PVT	86+27.00	706.14						
LINEAR		86+50.00	705.51	102.1429	-2.73%				
		87+00.00	704.15						
	PVC	87+29.14	703.35						
	PVC	87+29.14	703.35						
SYMMETRICAL PARABOLA		87+50.00	702.81	160	-2.73%	-0.67%	77.712	0.4118	
		88+00.00	701.74						
	PVI	88+09.14	701.17						
		88+50.00	700.99						
		88+50.00	700.99						
	PVT	88+89.14	700.63						



VERTICAL
ALIGNMENT
TABLE SHEET
#3

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052vats03.i
PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 47 OF 107

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
LINEAR	PVT	88+89.14	700.63	4.3247	-0.67%				
	PVC	88+93.47	700.60						
SYMMETRICAL PARABOLA		89+00.00	700.56	145	-0.67%	-3.63%	49.011	-0.5362	
		89+50.00	699.90						
	PVI	89+65.97	700.12						
		90+00.00	698.73						
	PVT	90+38.47	697.49						
	PVT	90+38.47	697.49						
LINEAR		90+50.00	697.07	76.256	-3.63%				
		91+00.00	695.25						
	PVC	91+14.72	694.72						
SYMMETRICAL PARABOLA	PVC	91+14.72	694.72	380	-3.63%	0.81%	85.6954	2.1063	
		91+50.00	693.51						
		92+00.00	692.05						
		92+50.00	690.88						
		93+00.00	690.00						
	PVI	93+04.72	687.83						
		93+50.00	689.41						
		94+00.00	689.12						
	VLOW	94+25.69	689.08						
		94+50.00	689.11						
	PVT	94+94.72	689.36						
	PVT	94+94.72	689.36						
LINEAR		95+00.00	689.40	155.7031	0.81%				
		95+50.00	689.80						
		96+00.00	690.20						
		96+50.00	690.61						
	PVC	96+50.43	690.61						
SYMMETRICAL PARABOLA	PVC	96+50.43	690.61	270	0.81%	-1.98%	96.9752	-0.9397	522.5957
		97+00.00	690.88						
	VHIGH	97+28.55	690.92						
		97+50.00	690.90						
	PVI	97+85.43	691.70						
		98+00.00	690.66						
		98+50.00	690.16						
		99+00.00	689.41						
	PVT	99+20.43	689.03						
LINEAR	PVT	99+20.43	689.03	133.2942	-1.98%				
		99+50.00	688.44						
		100+00.00	687.45						
		100+50.00	686.46						
	PVC	100+53.72	686.39						
SYMMETRICAL PARABOLA	PVC	100+53.72	686.39	140	-1.98%	2.70%	29.9527	0.818	
		101+00.00	685.83						
	VLOW	101+12.99	685.80						
	PVI	101+23.72	685.00						
		101+50.00	686.03						
	PVT	101+93.72	686.89						
LINEAR	PVT	101+93.72	686.89	26.6037	2.70%				
		102+00.00	687.06						
	PVC	102+20.32	687.61						
SYMMETRICAL PARABOLA	PVC	102+20.32	687.61	50	2.70%	0.42%	21.9531	-0.1423	
	PVI	102+45.32	688.28						
		102+50.00	688.21						
	PVT	102+70.32	688.39						

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
LINEAR	PVT	102+70.32	688.39	31.2679	0.42%				
		103+00.00	688.51						
	PVC	103+01.59	688.52						
SYMMETRICAL PARABOLA	PVC	103+01.59	688.52	300	0.42%	-1.47%	159.104	-0.7071	722.3243
		103+50.00	688.65						
	VHIGH	103+68.07	688.66						
		104+00.00	688.62						
		104+50.00	688.44						
	PVI	104+51.59	689.14						
		105+00.00	688.11						
		105+50.00	687.62						
		106+00.00	686.97						
	PVT	106+01.59	686.94						
LINEAR	PVT	106+01.59	686.94	30.028	-1.47%				
	PVC	106+31.62	686.50						
SYMMETRICAL PARABOLA	PVC	106+31.62	686.50	225	-1.47%	3.98%	41.3351	1.5309	
		106+50.00	686.27						
	VLOW	106+92.29	686.06						
		107+00.00	686.06						
	PVI	107+44.12	684.85						
		107+50.00	686.46						
		108+00.00	687.46						
		108+50.00	689.06						
	PVT	108+56.62	689.32						
	PVT	108+56.62	689.32						
LINEAR	PVC	108+60.29	689.47	3.6652	3.98%				
	PVC	108+60.29	689.47						
SYMMETRICAL PARABOLA		109+00.00	690.92	400	3.98%	-2.44%	62.3942	-3.2054	366.9678
		109+50.00	692.39						
		110+00.00	693.46						
		110+50.00	694.13						
	PVI	110+60.29	697.42						
		111+00.00	694.39						
	VHIGH	111+08.34	694.40						
		111+50.00	694.26						
		112+00.00	693.73						
		112+50.00	692.79						
SYMMETRICAL PARABOLA	PVRC	112+60.29	692.55	180	-2.44%	-0.99%	124.444	0.3254	
		112+60.29	692.55						
		113+00.00	691.65						
		113+50.00	690.69						
	PVI	113+50.29	690.36						
		114+00.00	689.93						
LINEAR	PVT	114+40.29	689.47	178.2548	-0.99%				
	PVT	114+40.29	689.47						
		114+50.00	689.37						
		115+00.00	688.88						
		115+50.00	688.38						
		116+00.00	687.89						
	PVC	116+18.54	687.70						



VERTICAL
ALIGNMENT
TABLE SHEET
#4

PROJECT NAME:	COVENTRY-NEWPORT CITY
PROJECT NUMBER:	STP 2308(1)
FILE NAME:	p01c052.dgn
PROJECT LEADER:	JLL
DESIGNED BY:	STANTEC
IPARM FILE:	p01c052vats04.i
PLOT DATE:	18-MAY-2012
DRAWN BY:	STANTEC
CHECKED BY:	STANTEC
SHEET	48 OF 107

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
SYMMETRICAL PARABOLA	PVC	116+18.54	687.70	280	-0.99%	1.45%	114.671	0.8546	
		116+50.00	687.44						
		117+00.00	687.19						
	VLOW	117+31.93	687.14						
		117+50.00	687.16						
	PVI	117+58.54	686.32						
		118+00.00	687.35						
		118+50.00	687.75						
	PVT	118+98.54	688.35						
LINEAR	PVT	118+98.54	688.35	101.4591	1.45%				
		119+00.00	688.38						
		119+50.00	689.10						
	PVI	120+00.00	689.83						
LINEAR	PVI	120+00.00	689.83	50.0002	0.64%				
		120+00.00	689.83						
	PVI	120+50.00	690.15						
LINEAR	PVI	120+50.00	690.15	49.9804	-1.17%				
		120+50.00	690.15						
	PVI	120+99.98	689.56						
LINEAR	PVI	120+99.98	689.56	10.5422	-3.52%				
		121+00.00	689.56						
	PVC	121+10.52	689.19						
SYMMETRICAL PARABOLA	PVC	121+10.52	689.19	110	-3.52%	-0.32%	34.3362	0.4405	
		121+50.00	688.03						
	PVI	121+65.52	687.26						
		122+00.00	687.21						
LINEAR	PVT	122+20.52	687.08	219.4774	-0.32%				
	PVT	122+20.52	687.08						
		122+50.00	686.99						
		123+00.00	686.83						
		123+50.00	686.67						
		124+00.00	686.51						
	PVC	124+40.00	686.39						
	PVC	124+40.00	686.39						
SYMMETRICAL PARABOLA		124+50.00	686.36	140	-0.32%	1.57%	74.3061	0.3297	
	VLOW	124+63.52	686.35						
		125+00.00	686.44						
	PVI	125+10.00	686.17						
		125+50.00	686.85						
	PVT	125+80.00	687.26						
LINEAR	PVT	125+80.00	687.26	26.4521	1.57%				
		126+00.00	687.58						
	PVC	126+06.45	687.68						
SYMMETRICAL PARABOLA	PVC	126+06.45	687.68	10	1.57%	-1.35%	3.4332	-0.0364	375.4981
	PVI	126+11.45	687.76						
	VHIGH	126+11.83	687.72						
	PVT	126+16.45	687.69						
LINEAR	PVT	126+16.45	687.69	98.5479	-1.35%				
		126+50.00	687.24						
		127+00.00	686.57						
	PVC	127+15.00	686.36						

ELEMENT	POINT TYPE	STATION	ELEVATION	LENGTH	ENTRANCE GRADE	EXIT GRADE	K	MIDDLE ORDINATE	SSD/HSD
SYMMETRICAL PARABOLA	PVC	127+15.00	686.36	450	-1.35%	1.42%	162.781	1.555	
		127+50.00	685.93						
		128+00.00	685.44						
		128+50.00	685.11						
		129+00.00	684.93						
	VLOW	129+33.96	684.89						
	PVI	129+40.00	683.34						
		129+50.00	684.90						
		130+00.00	685.02						
		130+50.00	685.30						
		131+00.00	685.74						
		131+50.00	686.32						
	PVT	131+65.00	686.53						
	PVT	131+65.00	686.53						
LINEAR		132+00.00	687.03	54.7687	1.42%				
	PVC	132+19.77	687.31						
	PVC	132+19.77	687.31						
SYMMETRICAL PARABOLA		132+50.00	687.71	110	1.42%	0.83%	187.96	-0.0805	
	PVI	132+74.77	688.09						
		133+00.00	688.28						
	PVT	133+29.77	688.55						
LINEAR	PVT	133+29.77	688.55	70.2313	0.83%				
		133+50.00	688.72						
	PVC	134+00.00	689.13						
	PVC	134+00.00	689.13						
SYMMETRICAL PARABOLA		134+00.00	689.13	100	0.83%	1.55%	140.58	0.0889	
		134+16.00							
		0+00.00							
		0+00.00	689.28						
	PVI	0+34.00	689.55						
		0+50.00	689.84						
	PVT	0+84.00	690.32						
LINEAR	PVT	0+84.00	690.32	125	1.55%				
		1+00.00	690.57						
		1+50.00	691.34						
		2+00.00	692.12						
	PVI	2+09.00	692.25						
	PVI	2+09.00	692.25						
LINEAR		2+50.00	692.86	53.3595	1.48%				
	PVC	2+62.36	693.04						
	PVC	2+62.36	693.04						
SYMMETRICAL PARABOLA	PVI	2+92.36	693.48	60	1.48%	0.52%	62.8397	-0.0716	
		3+00.00	693.48						
	PVT	3+22.36	693.64						
	PVT	3+22.36	693.64						
LINEAR		3+50.00	693.78	36.6405	0.52%				
	POE	3+59.00	693.83						



VERTICAL
ALIGNMENT
TABLE SHEET
#5

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p01c052vats05.i

PLOT DATE: 18-MAY-2012

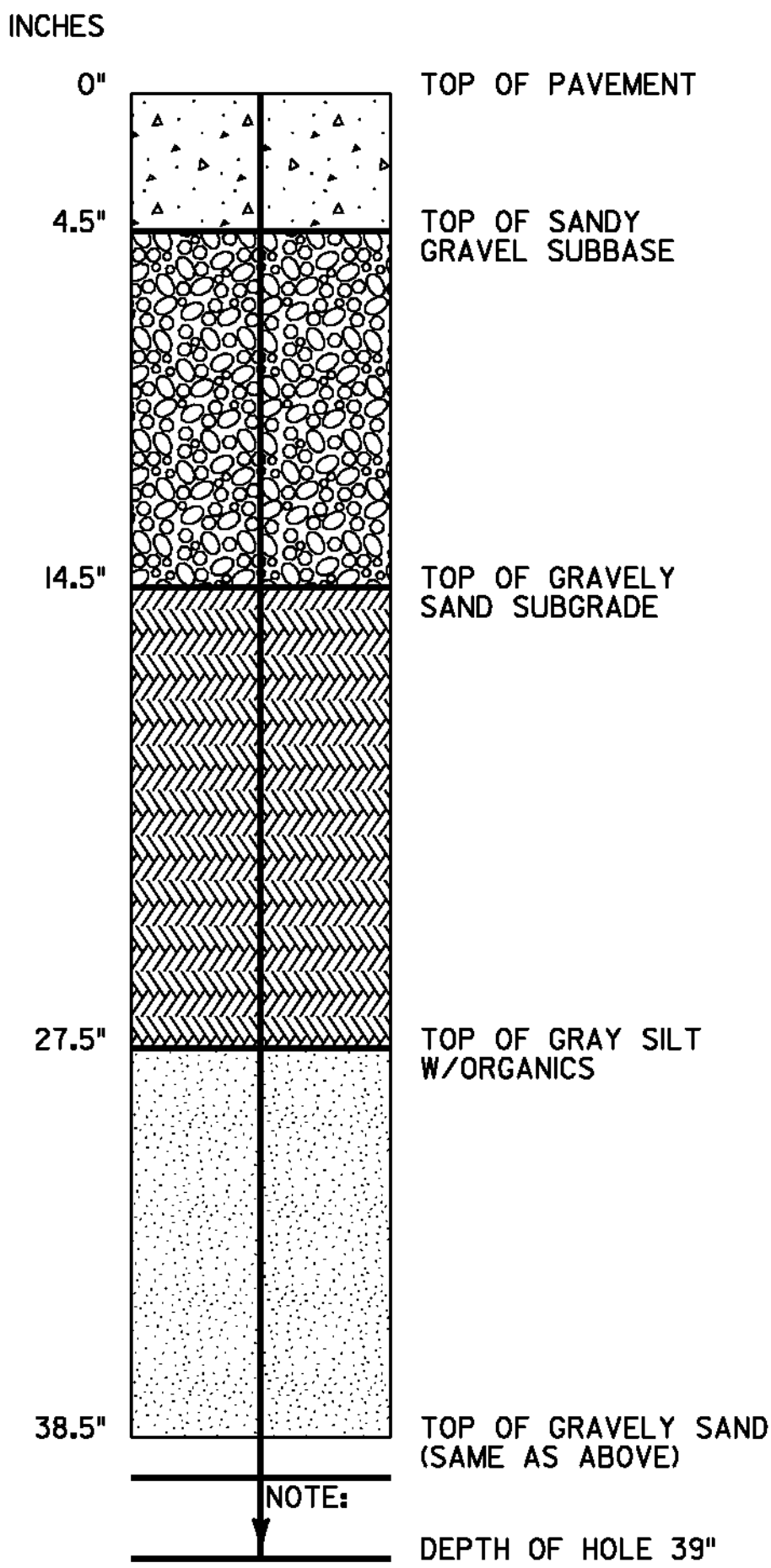
DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 49 OF 107

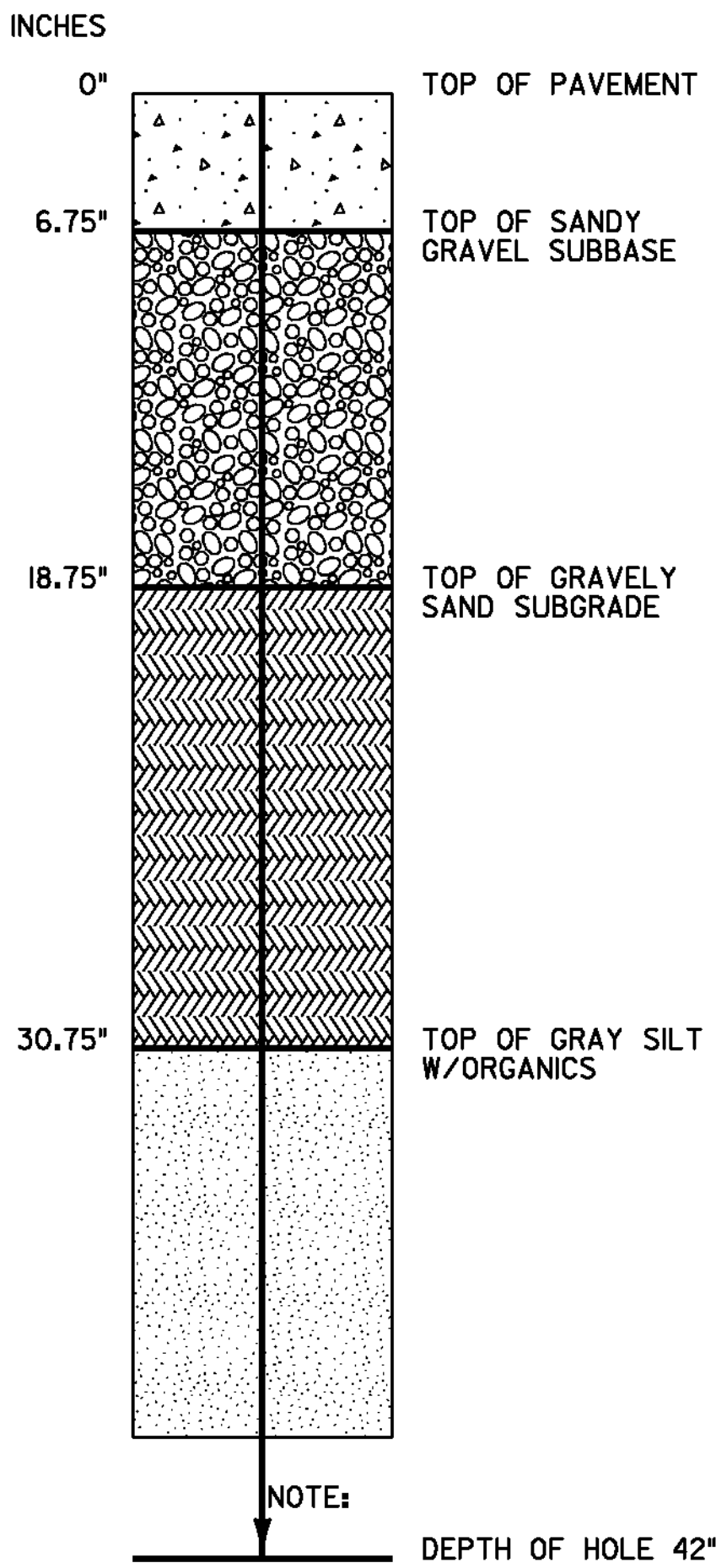
TEST PIT #1 DATA

PROJECT: CSH COVENTRY-NEWPORT CITY STP 2308
LOCATION: SB LANE MM 0.233 COVENTRY



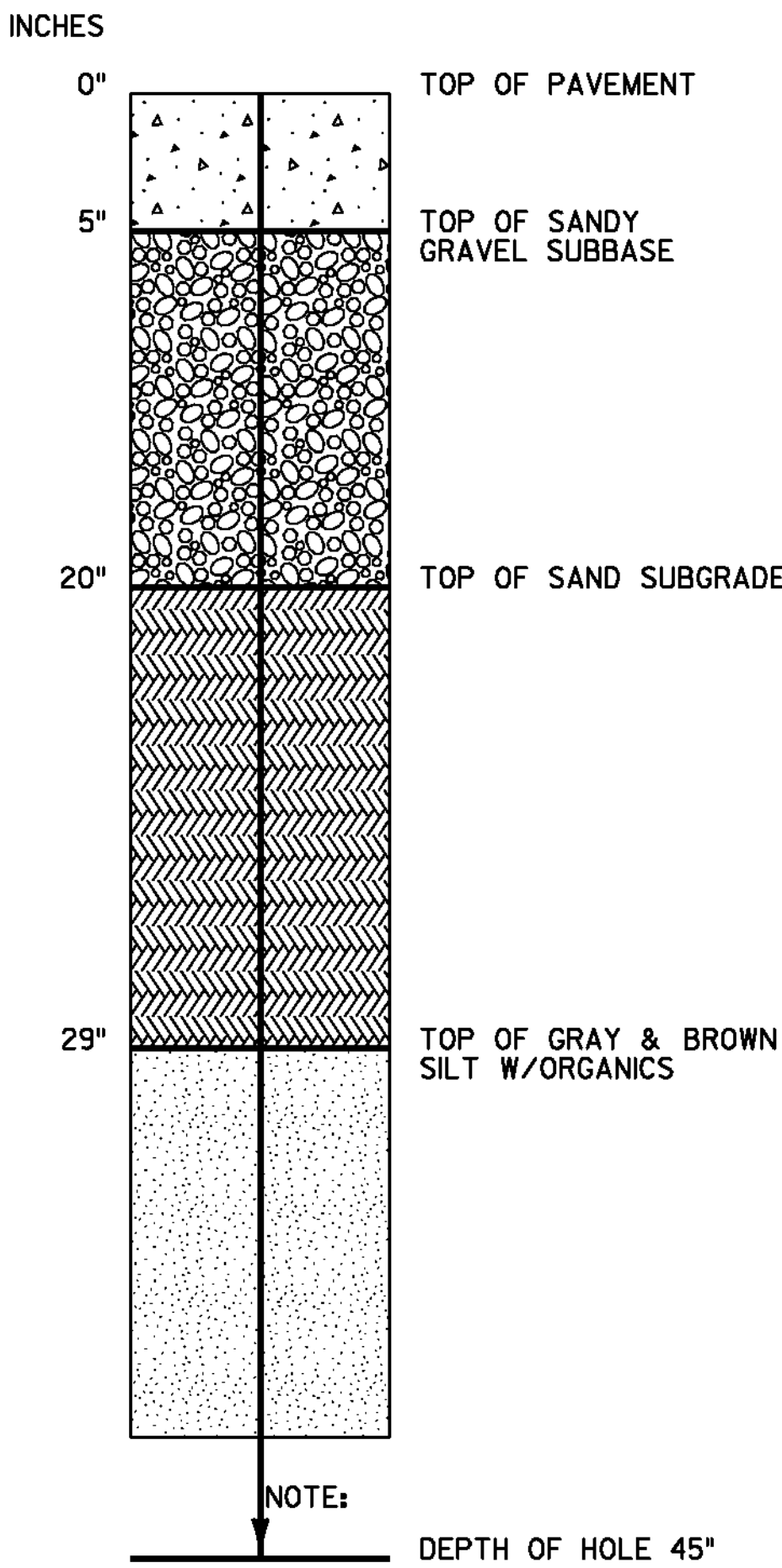
TEST PIT #2 DATA

PROJECT: CSH COVENTRY-NEWPORT CITY STP 2308
LOCATION: SB LANE MM 0.844 COVENTRY



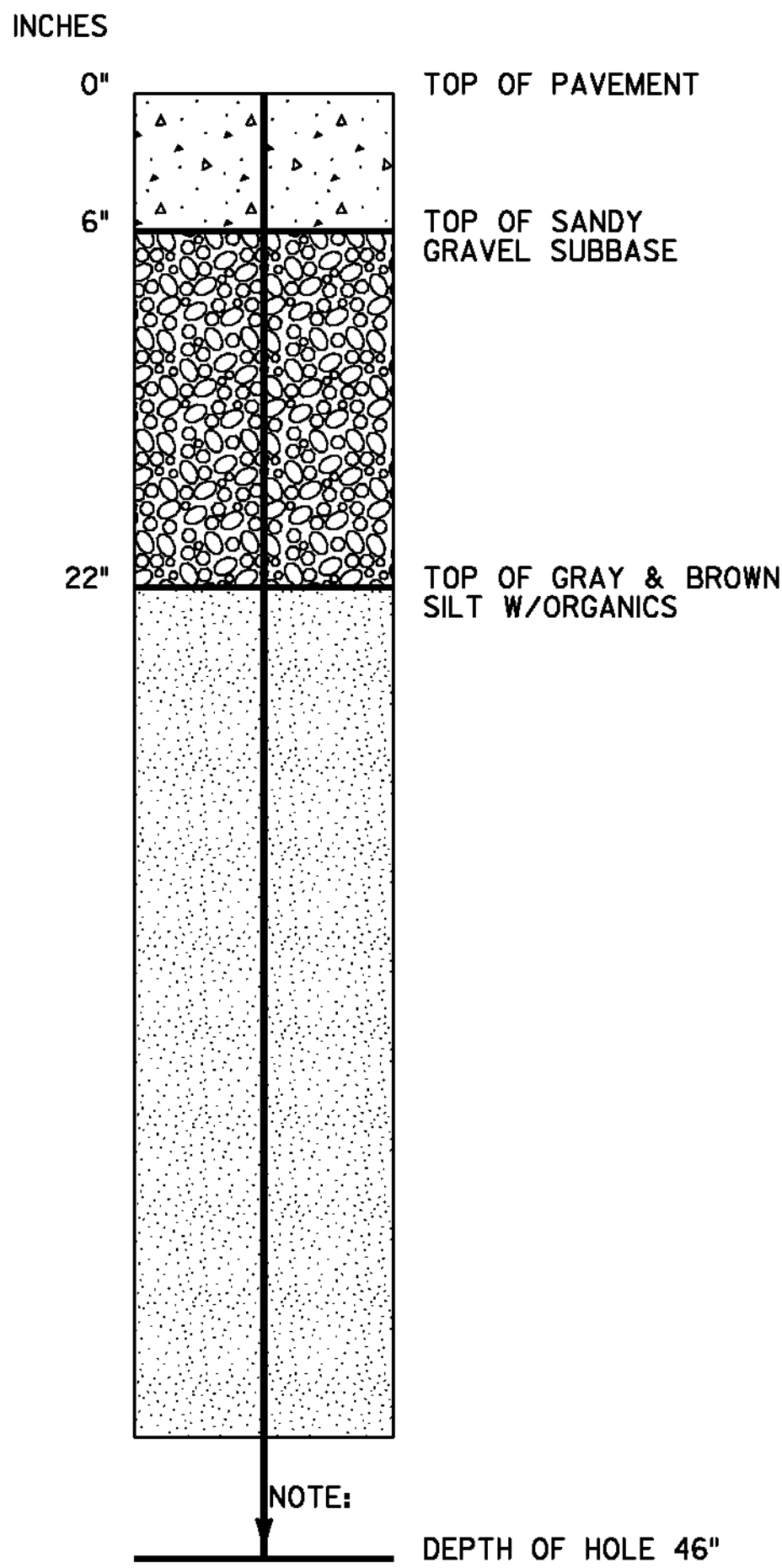
TEST PIT #3 DATA

PROJECT: CSH COVENTRY-NEWPORT CITY STP 2308
LOCATION: SB LANE MM 1.148 COVENTRY



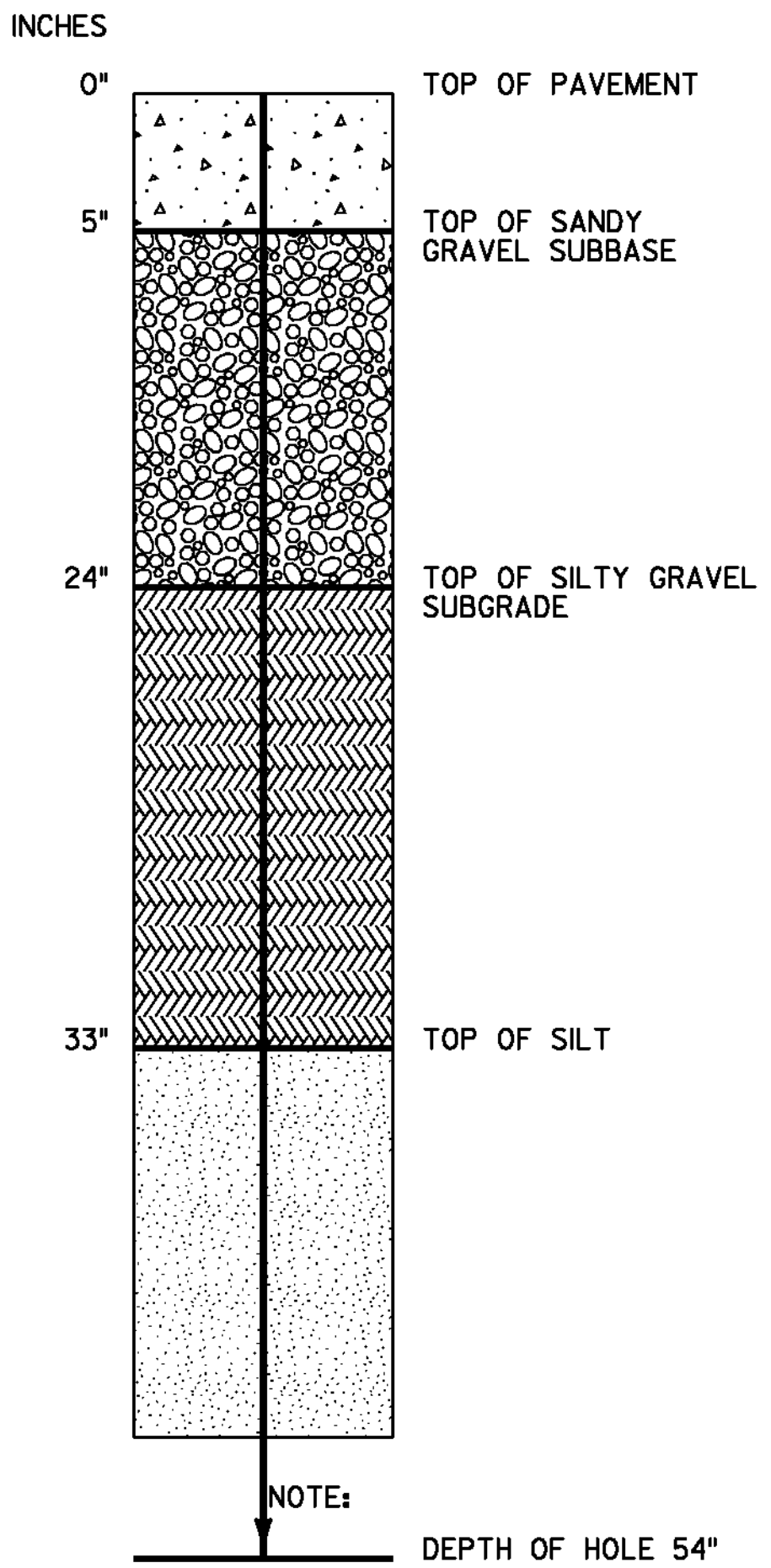
TEST PIT #4 DATA

PROJECT: CSH COVENTRY-NEWPORT CITY STP 2308
LOCATION: SB LANE MM 1.646 COVENTRY



TEST PIT #5 DATA

PROJECT: CSH COVENTRY-NEWPORT CITY STP 2308
LOCATION: NB LANE MM 2.098 COVENTRY



DATA SHEET FOR PAVEMENT CORES

#	TOWN	ROUTE	DIR/OS	MM	DEPTH INCHES	PCC UNDER	OVER ASPHALTED	DRAINABLE BASE	SOLID CORE	STRIPPED? WHERE?	SHOULDER CORE?	COMMENTS
1	COVENTRY	CSH	NB	0.015	3.75	NO	NO	NO	NO	YES	NO	BOTTOM 3/4" STRIPPED
2	COVENTRY	CSH	NB	0.229	5.00	NO	NO	NO	NO	YES	NO	BOTTOM 1" STRIPPED
3	COVENTRY	CSH	NB	0.533	5.00	NO	NO	NO	YES	NO	NO	
4	COVENTRY	CSH	NB	0.804	5.00	NO	NO	NO	NO	YES	NO	BOTTOM 3/4" STRIPPED
5	COVENTRY	CSH	NB	1.072	6.00	NO	NO	NO	YES	NO	NO	
6	COVENTRY	CSH	NB	1.289	5.00	NO	NO	NO	NO	YES	NO	BOTTOM 1" STRIPPED
7	COVENTRY	CSH	SB	1.172	4.75	NO	NO	NO	YES	NO	NO	
8	COVENTRY	CSH	SB	1.019	4.75	NO	NO	NO	NO	YES	NO	BOTTOM 2" STRIPPED
9	COVENTRY	CSH	SB	0.883	4.75	NO	NO	NO	YES	NO	NO	
10	COVENTRY	CSH	SB	0.664	3.50	NO	NO	NO	YES	NO	NO	
11	COVENTRY	CSH	SB	0.397	4.25	NO	NO	NO	YES	NO	NO	
12	COVENTRY	CSH	SB	0.126	4.50	NO	NO	NO	YES	NO	NO	
13	COVENTRY	CSH	NB	1.512	7.00	NO	NO	NO	NO	YES	NO	BOTTOM 1" STRIPPED
14	COVENTRY	CSH	NB	1.693	5.50	NO	NO	NO	YES	NO	NO	
15	COVENTRY	CSH	NB	1.964	6.75	NO	NO	NO	YES	NO	NO	
16	COVENTRY	CSH	NB	2.196	4.50	NO	NO	NO	YES	NO	NO	
17	COVENTRY	CSH	NB	2.375	9.00	NO	NO	NO	YES	NO	NO	
18	NEWPORT CITY	CSH	NB	0.03	4.00	NO	NO	NO	NO	YES	NO	BOTTOM 1" STRIPPED
19	COVENTRY	CSH	SB	2.437	5.00	NO	NO	NO	NO	YES	NO	BOTTOM 1" STRIPPED
20	COVENTRY	CSH	SB	1.995	6.00	NO	NO	NO	YES	NO	NO	
21	COVENTRY	CSH	SB	1.674	6.50	NO	NO	YES	YES	NO	NO	
22	COVENTRY	CSH	SB	1.557	6.00	NO	NO	NO	YES	NO	NO	

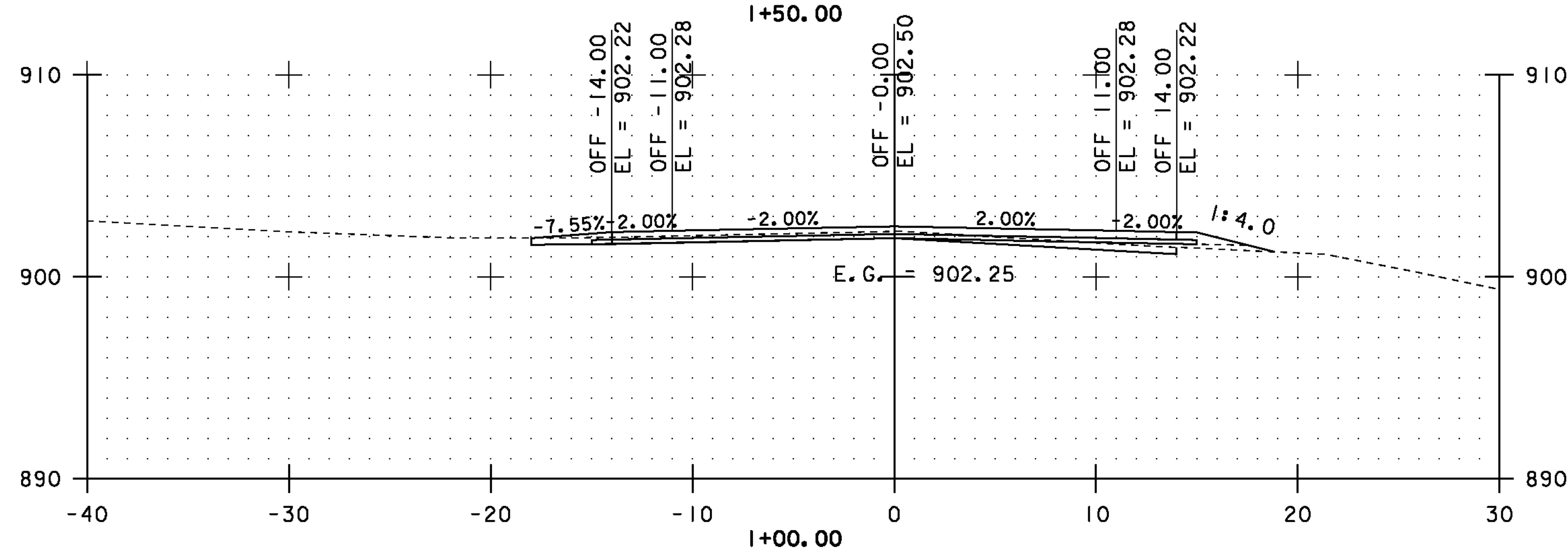
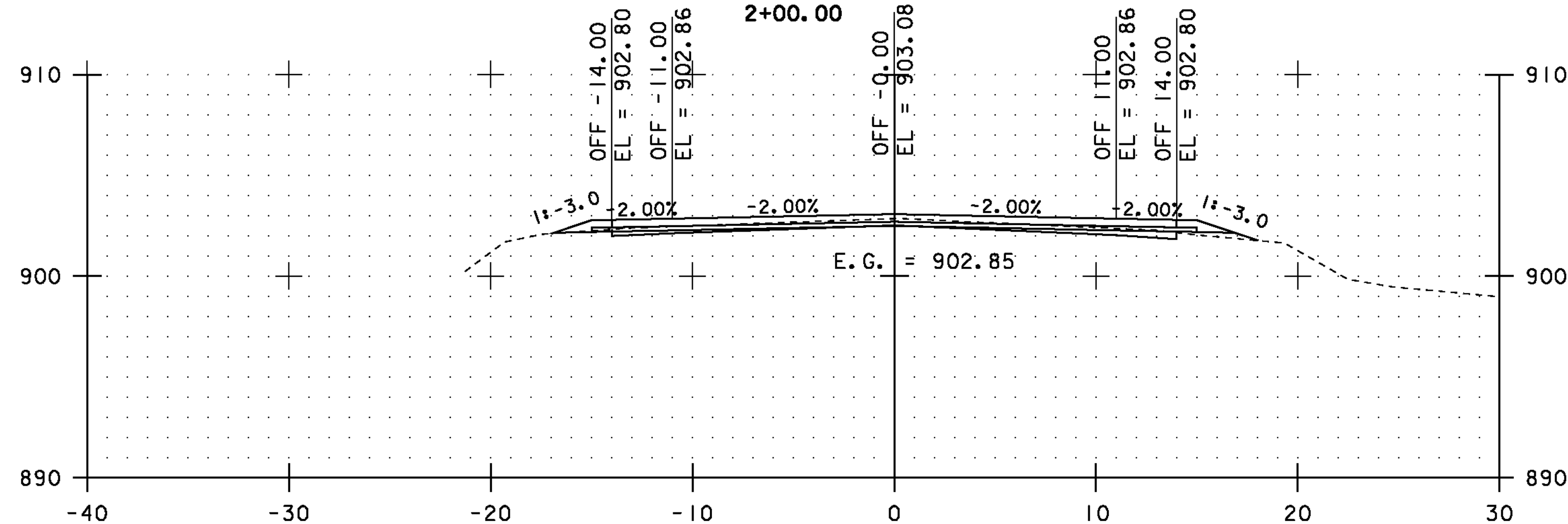
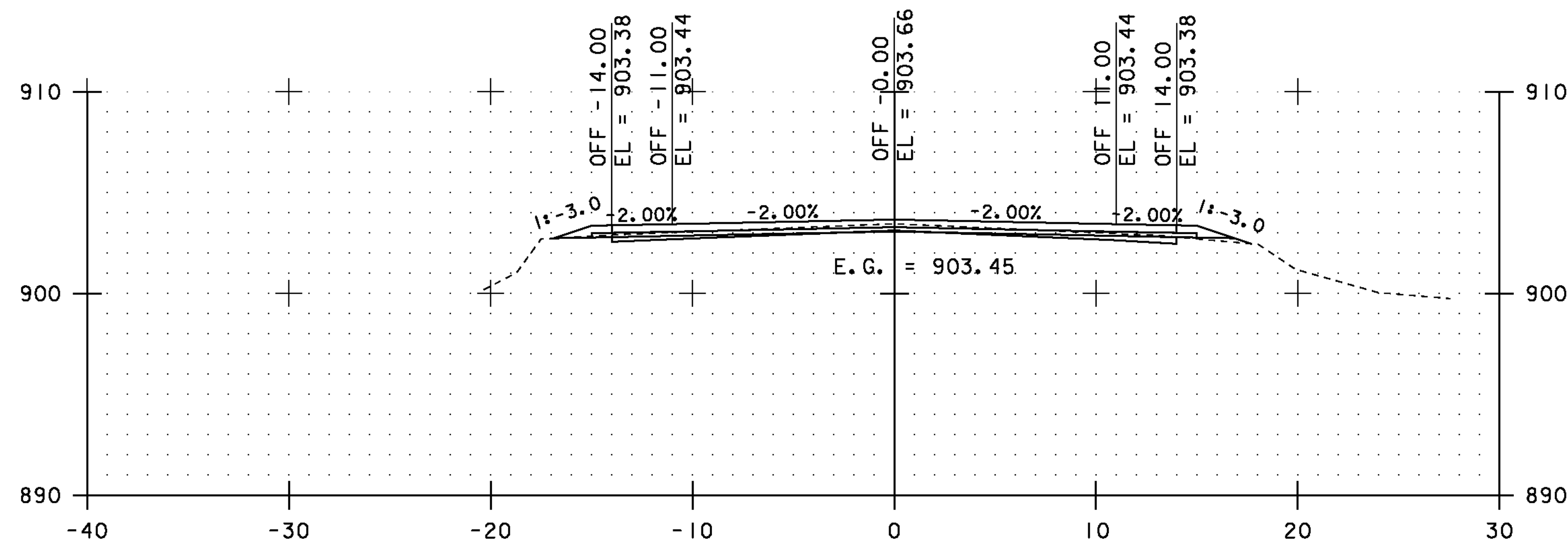
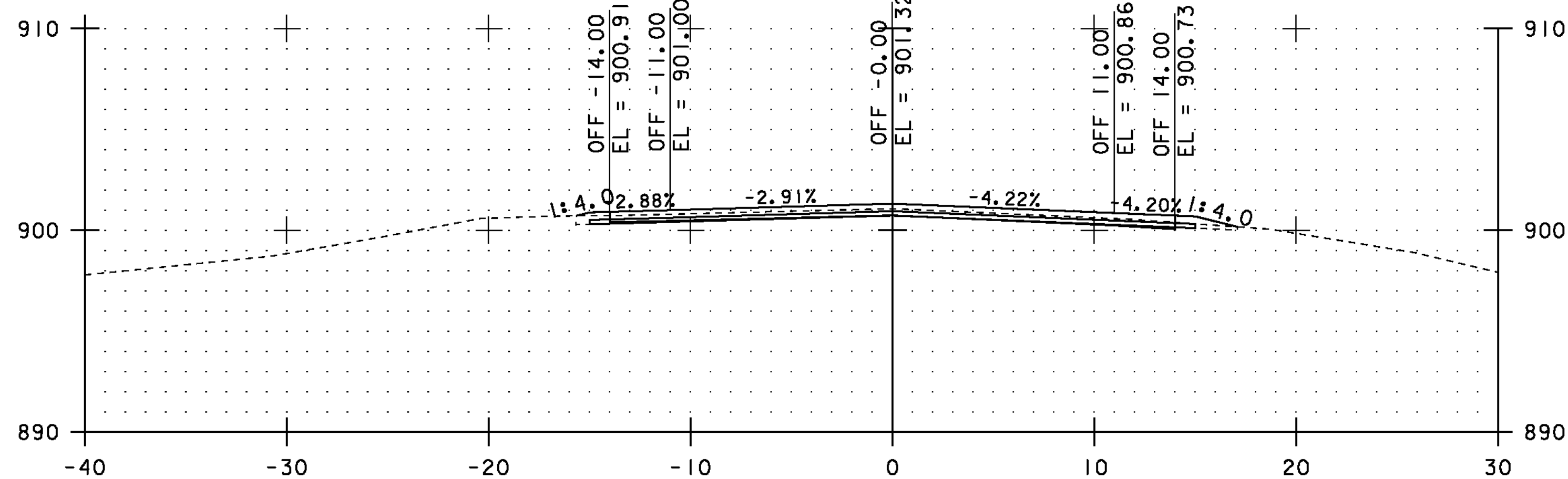
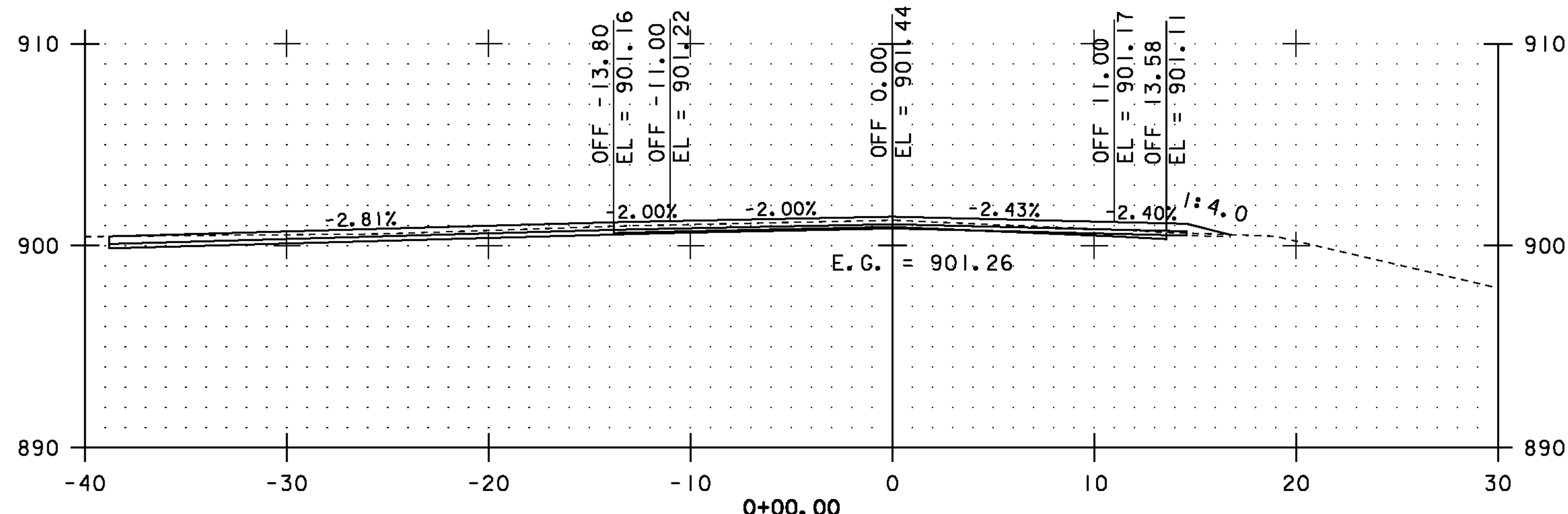
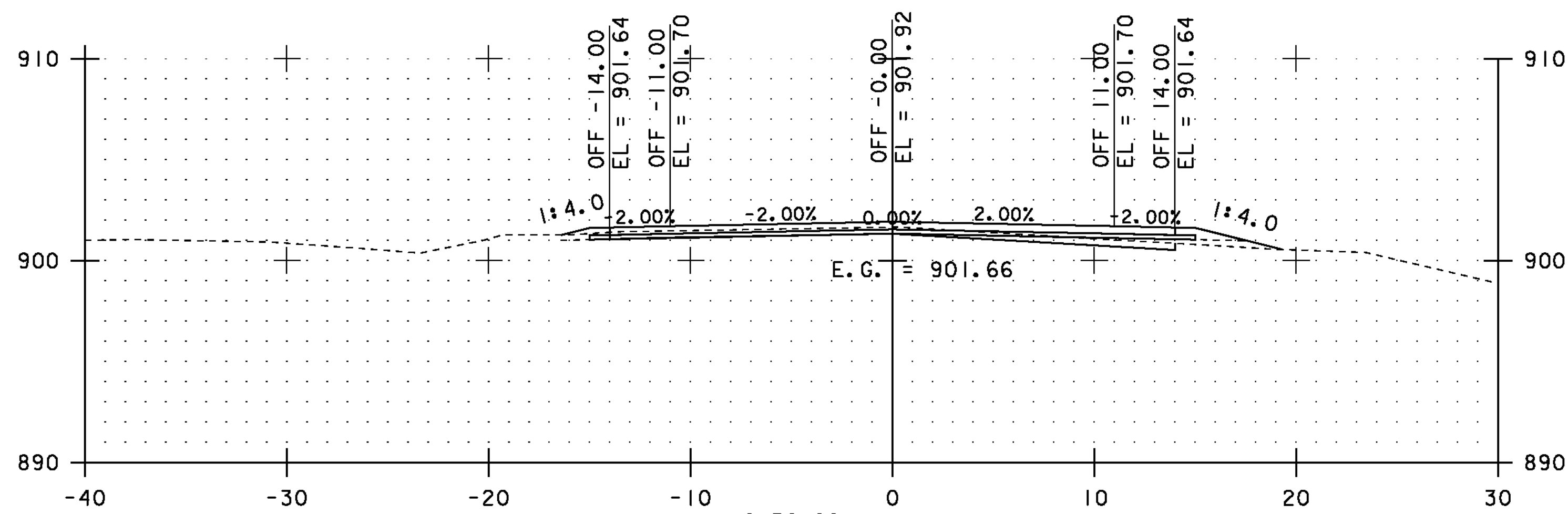


PAVEMENT
CORE AND
TEST PIT
DATA SHEET

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p10c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258ctps.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 50 OF 107



STA. -0+50.64 TO STA. 2+00.00

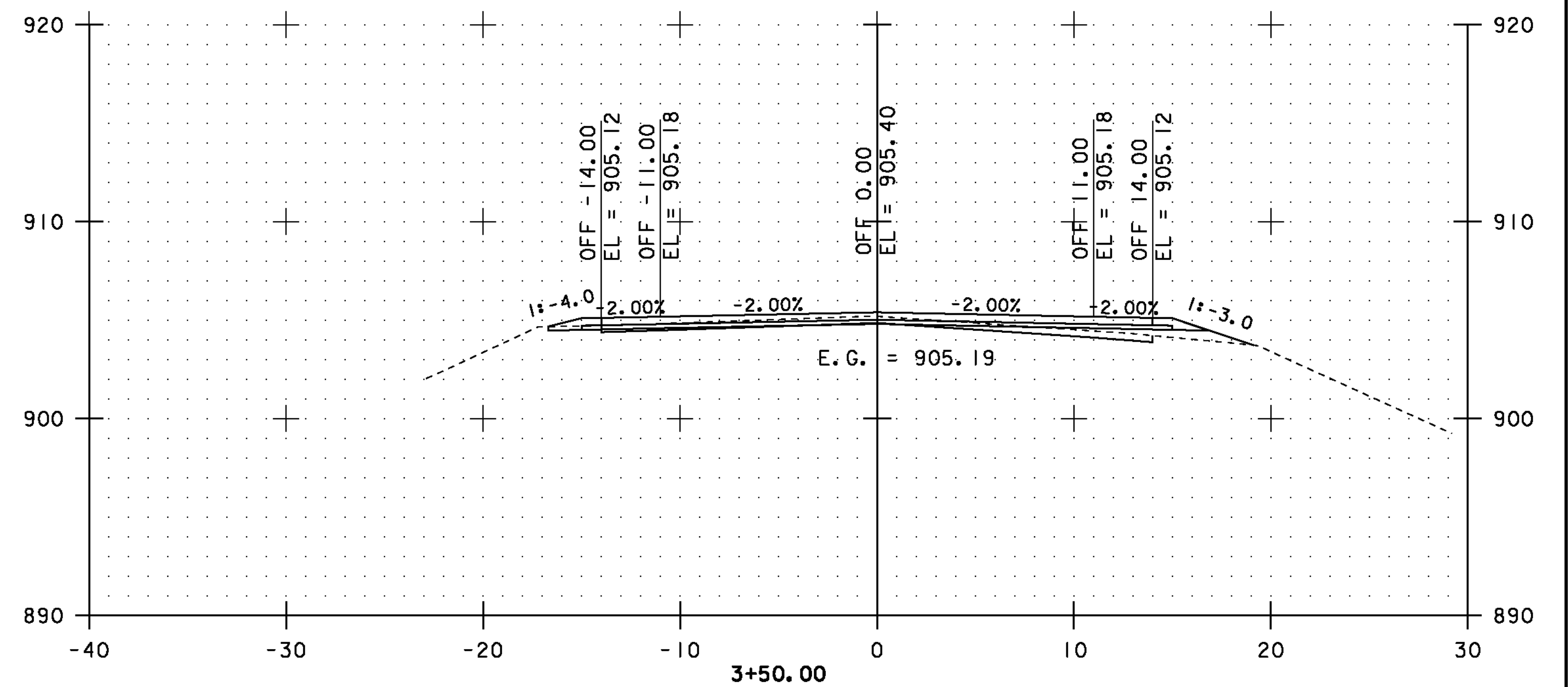
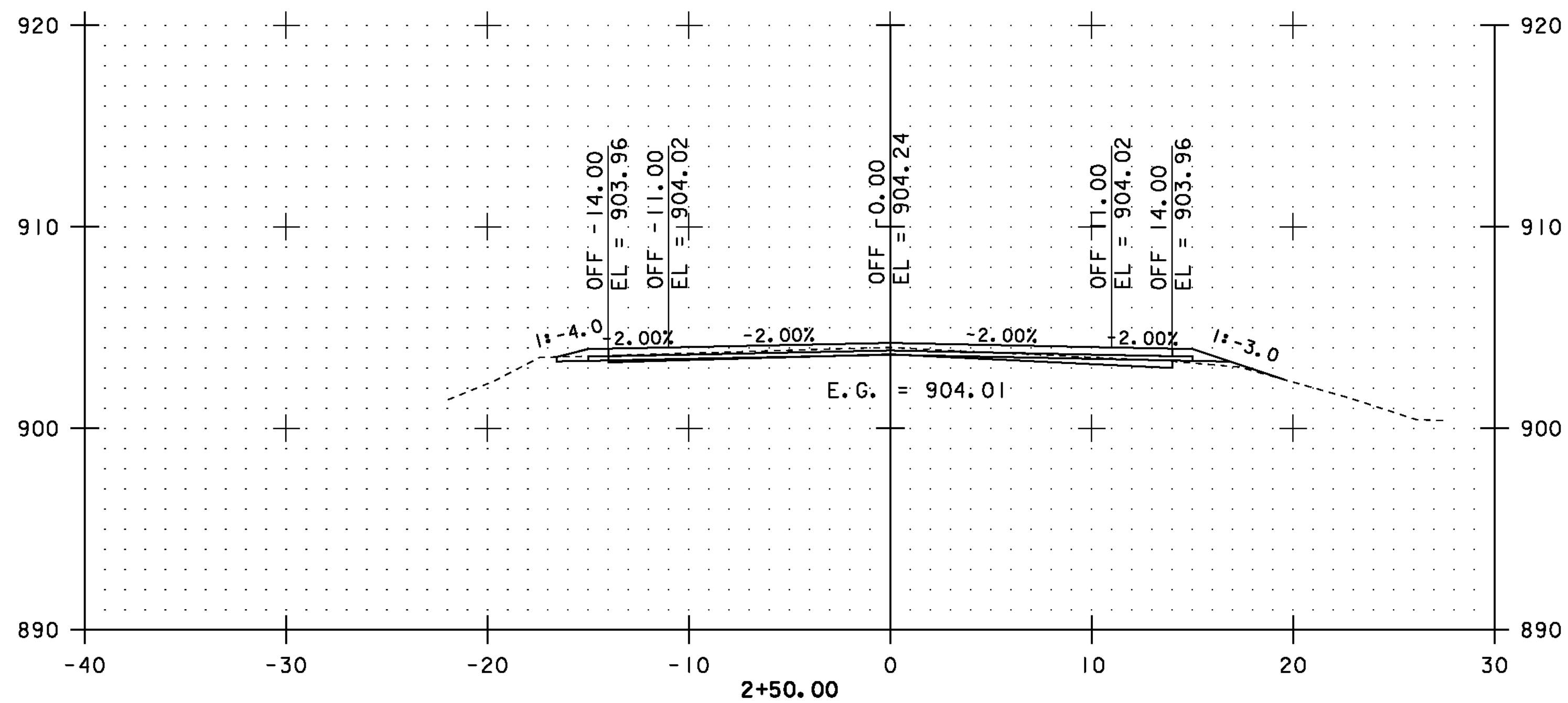
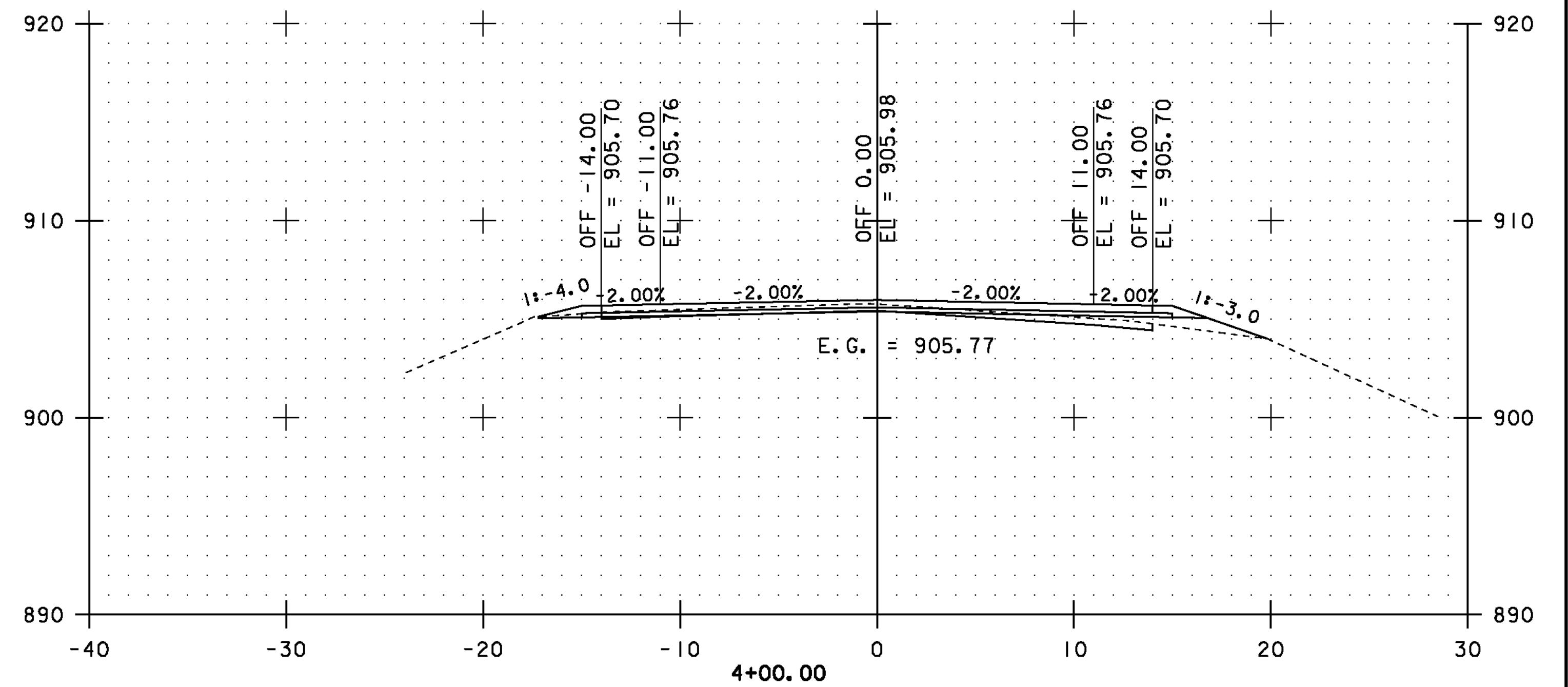
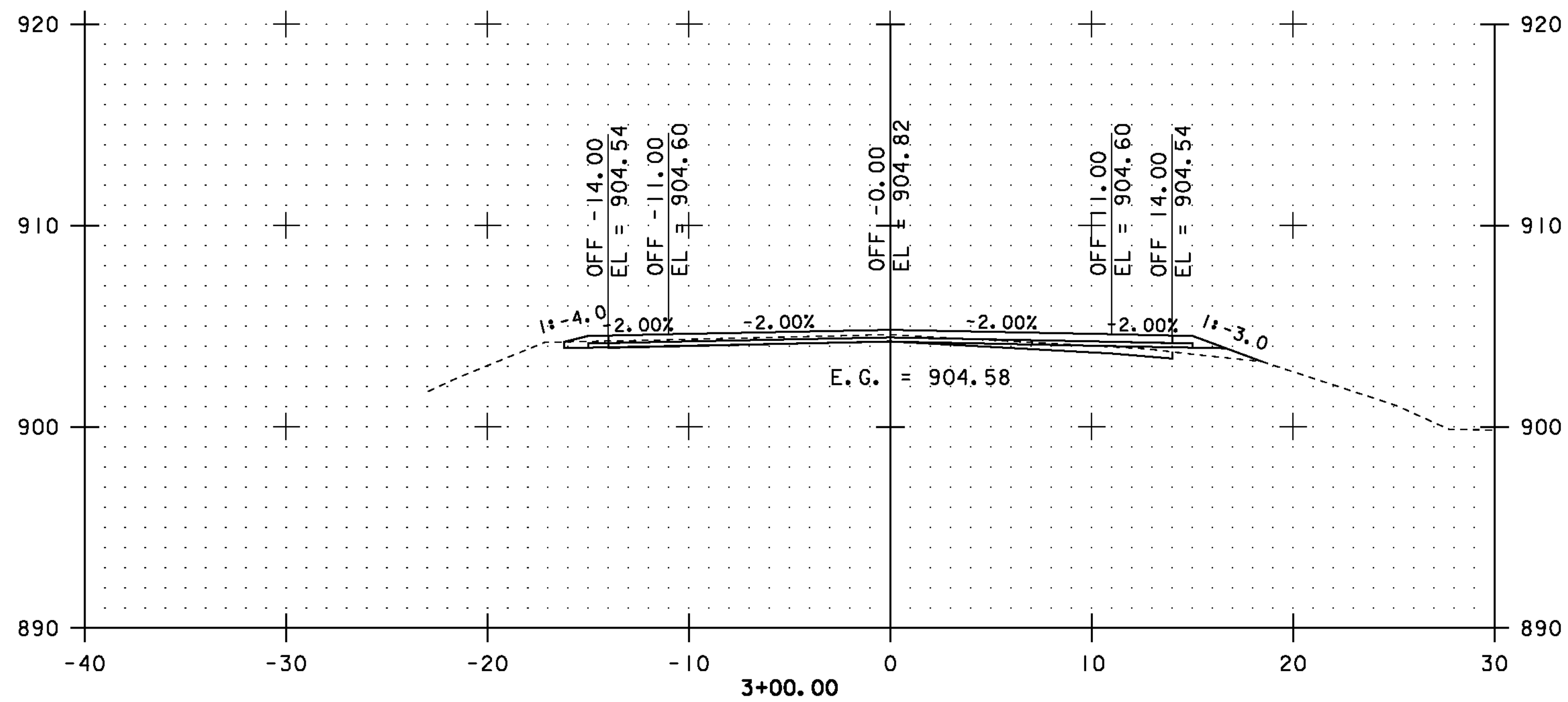


CROSS SECTIONS SHEET #1

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss01.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 51 OF 107



STA. 2+50.00 TO STA. 4+00.00



CROSS SECTIONS SHEET #2

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

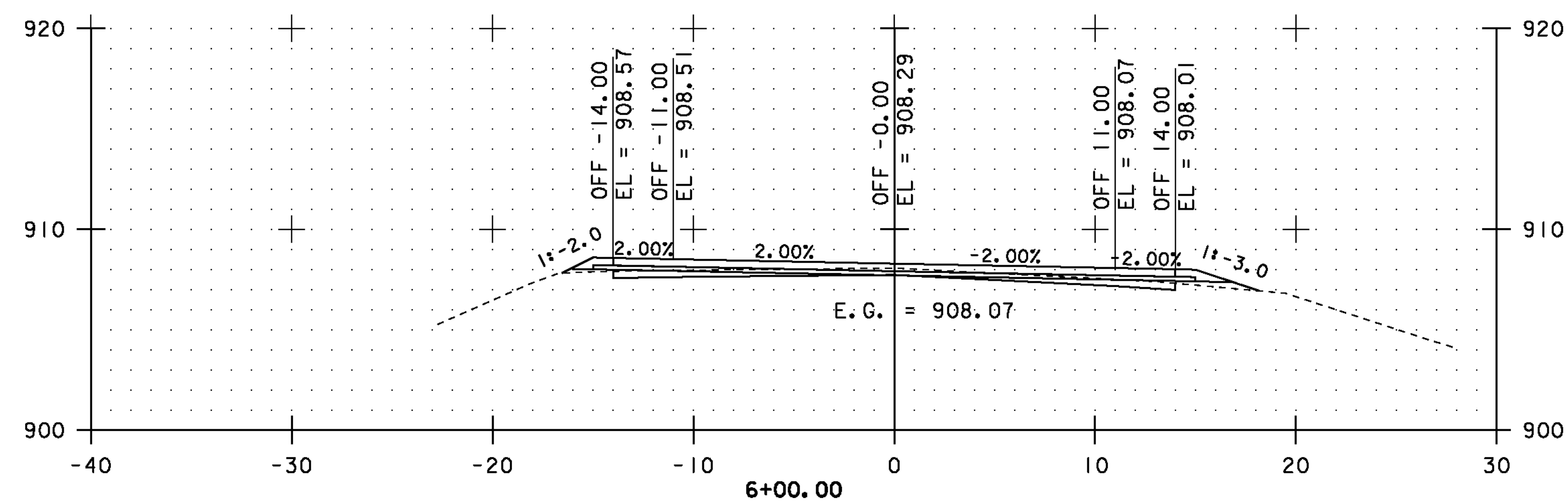
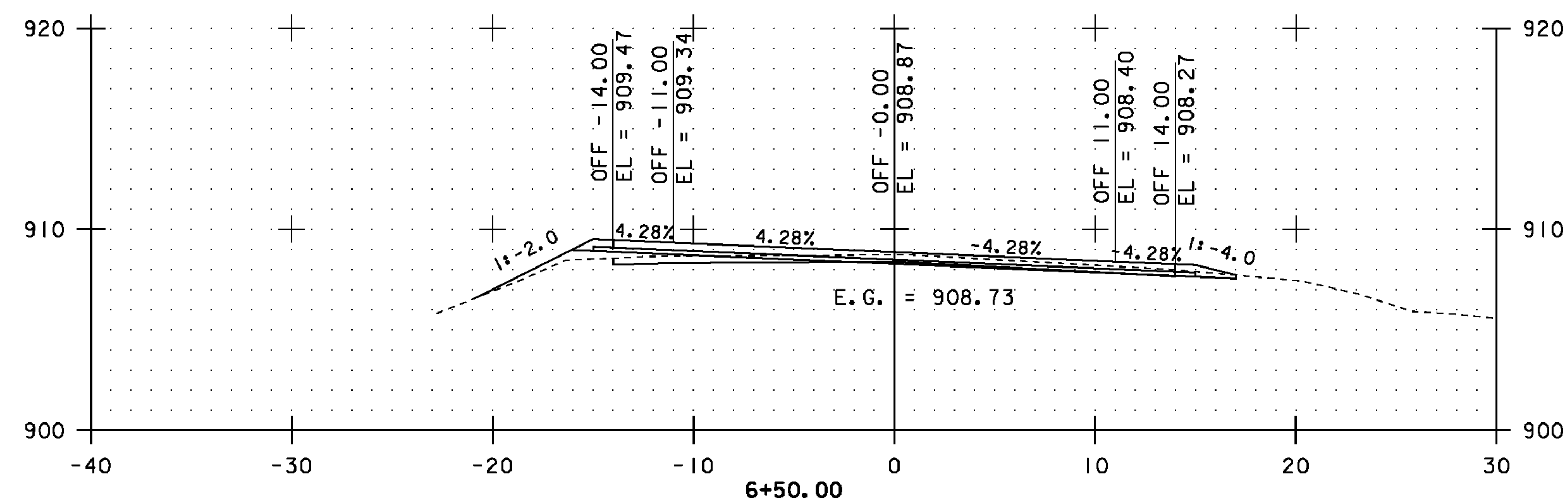
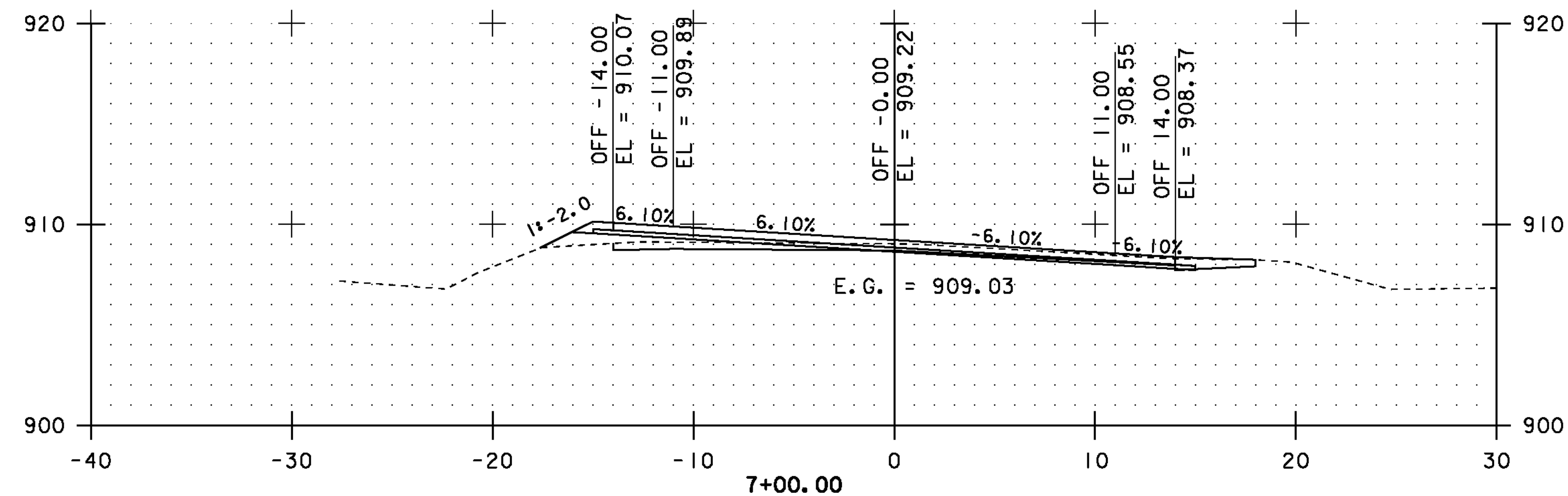
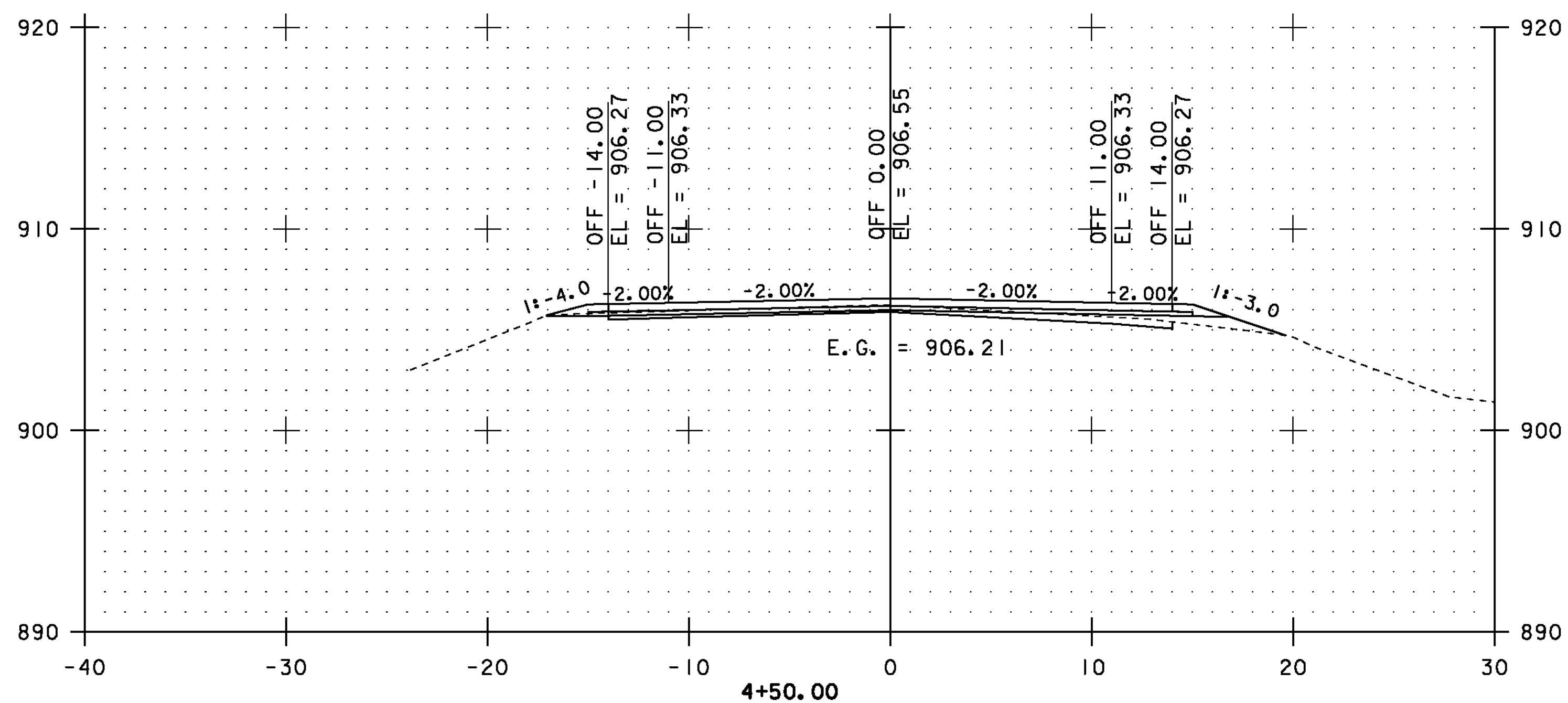
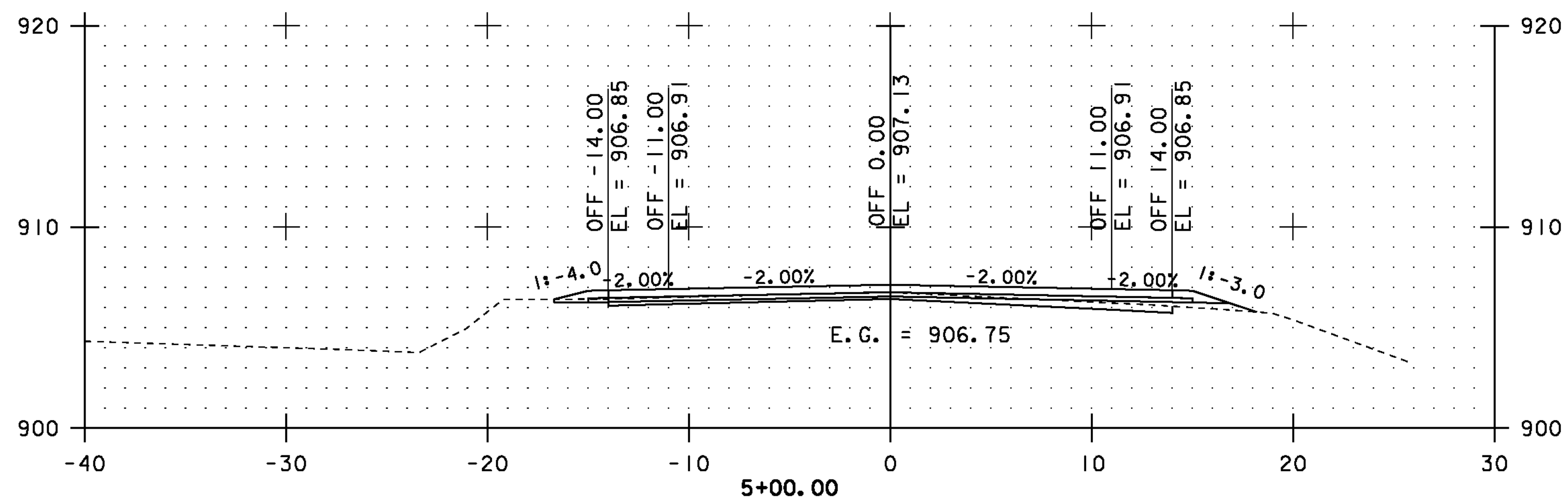
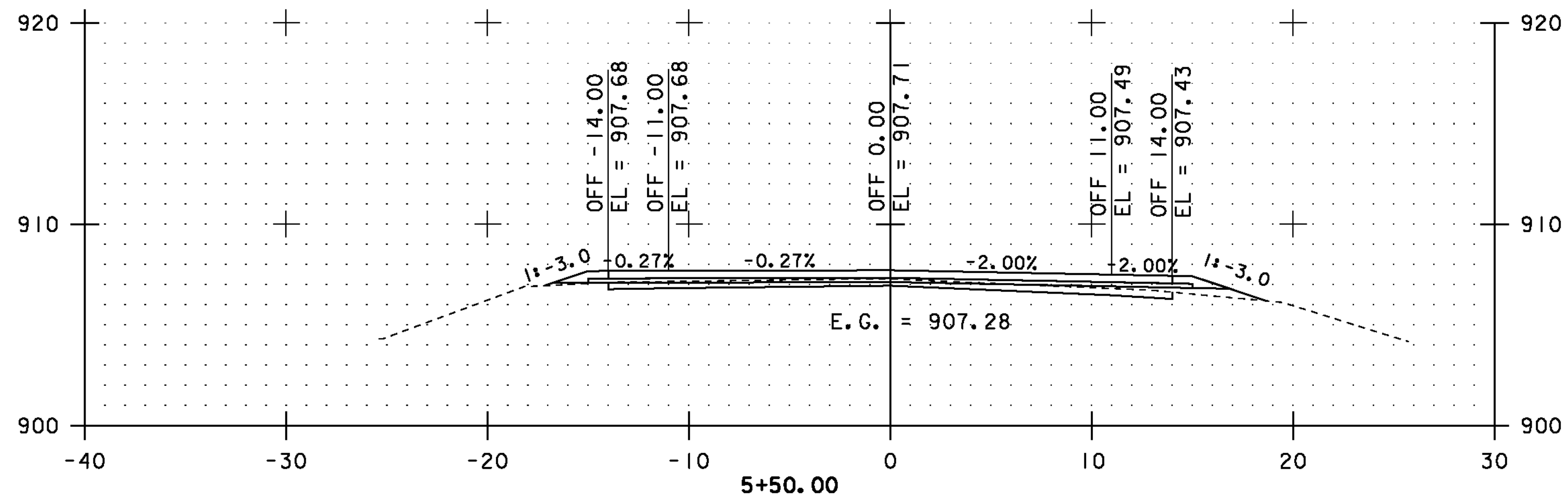
IPARM FILE: p01c052xss02.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 52 OF 107



STA. 4+50.00 TO STA. 7+00.00



CROSS SECTIONS SHEET #3

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

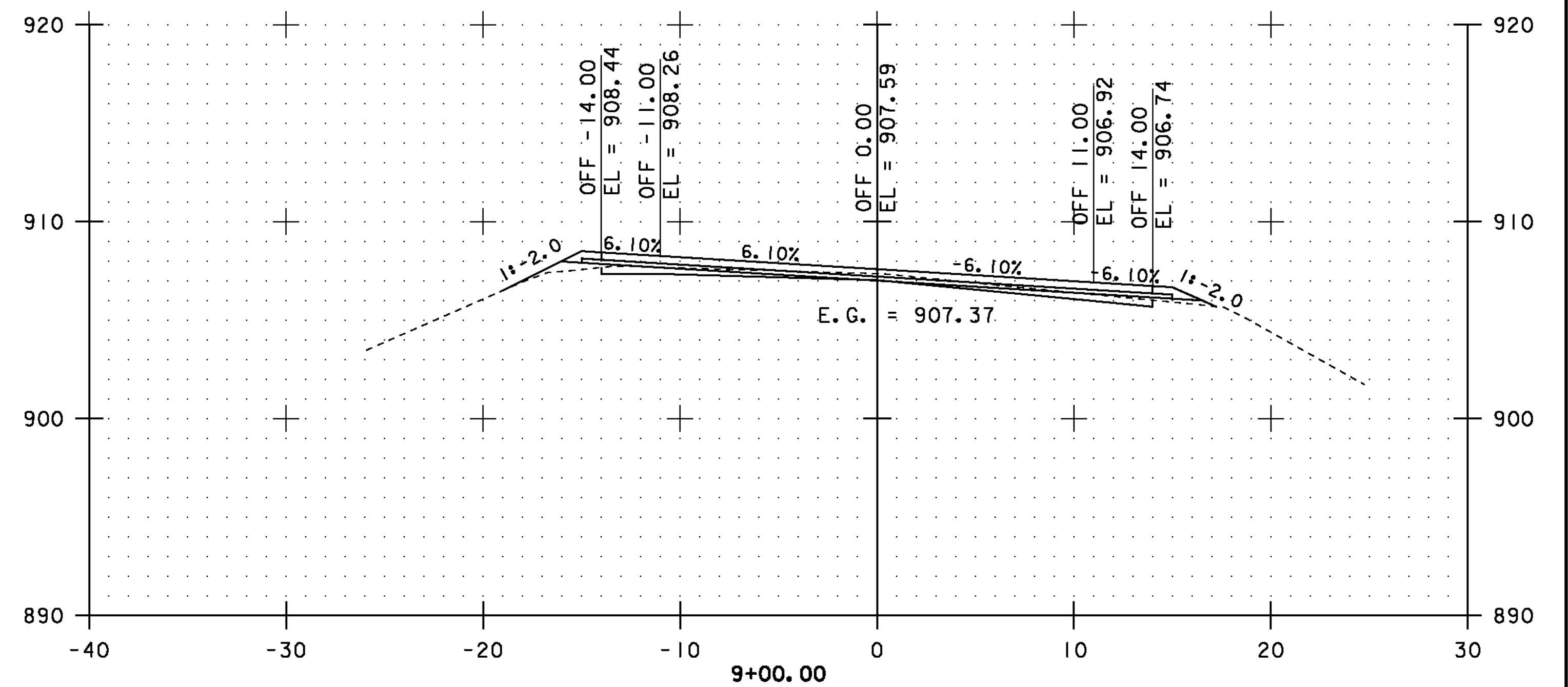
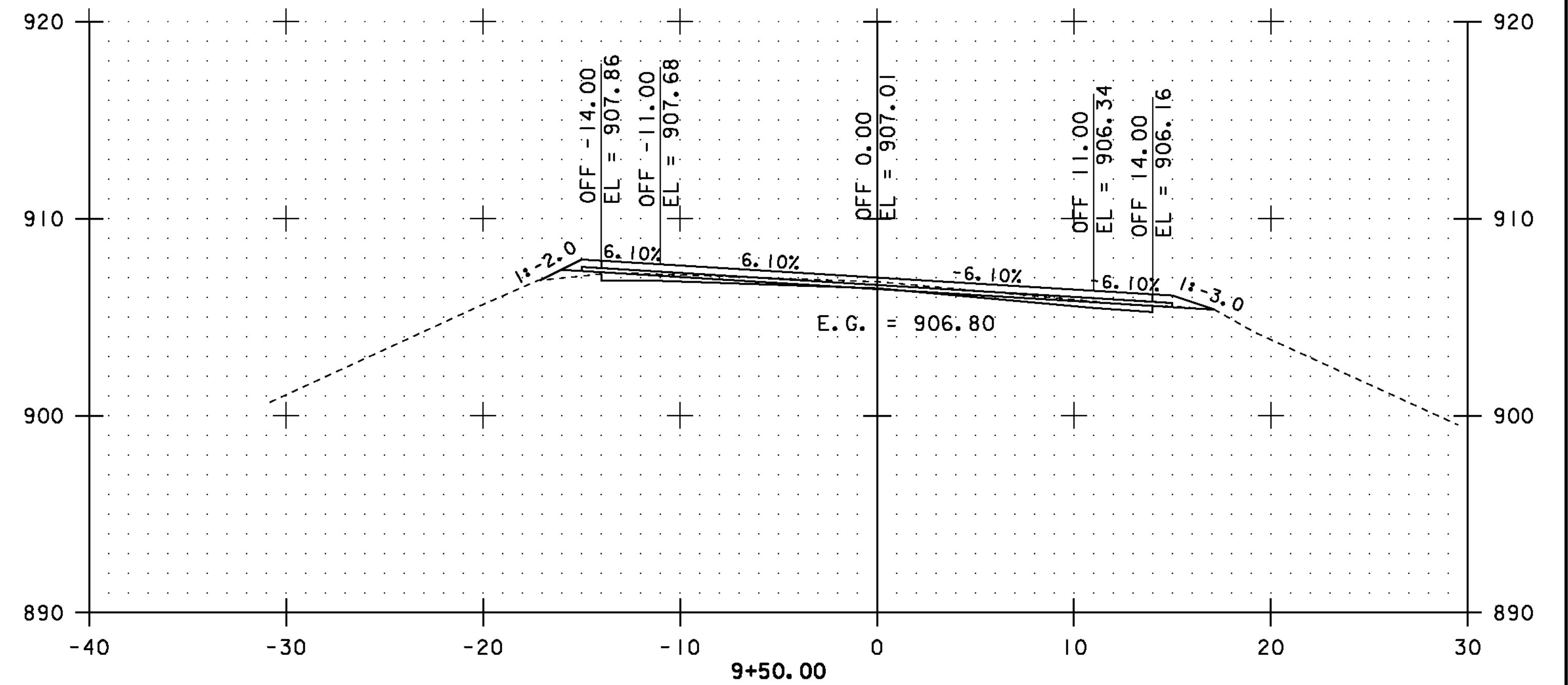
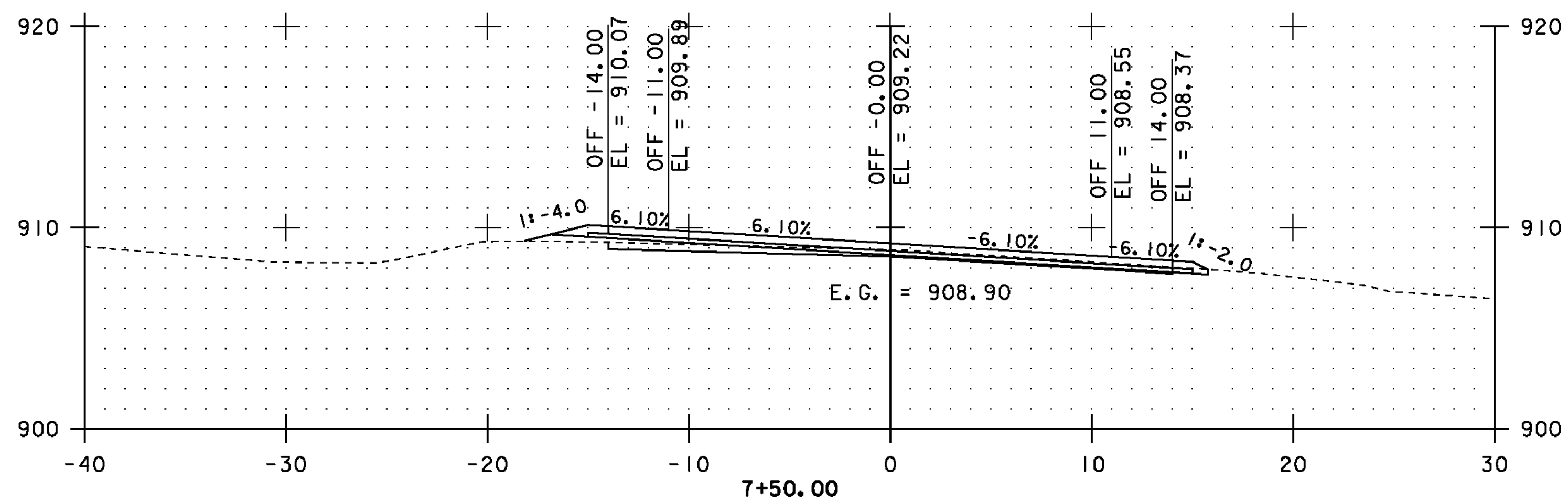
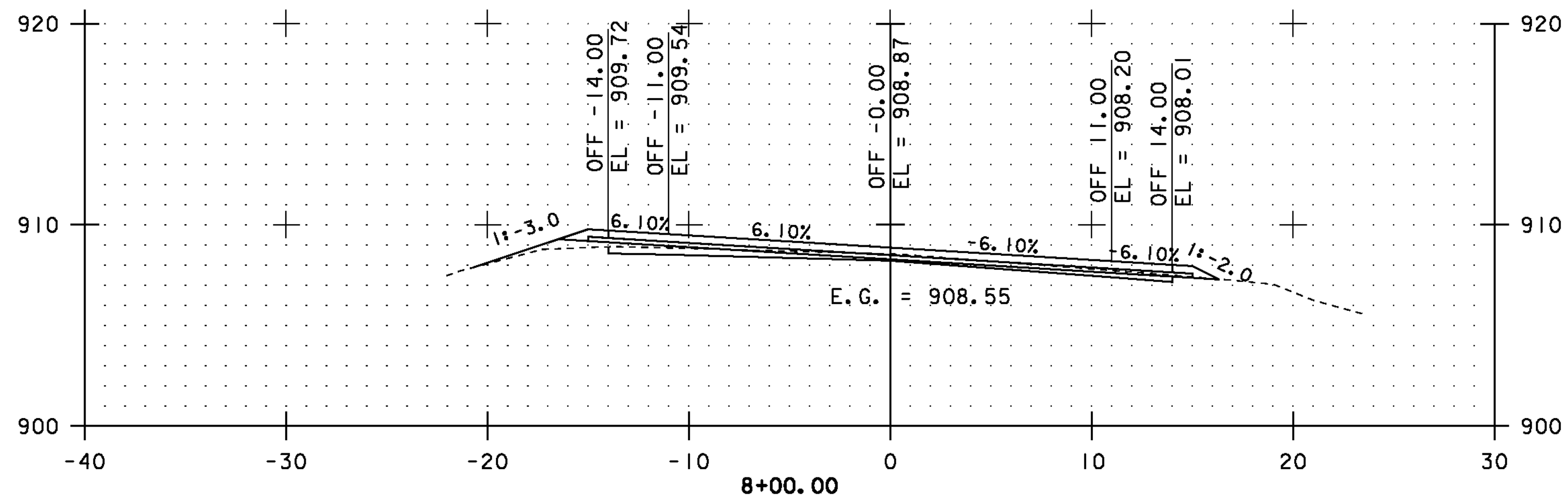
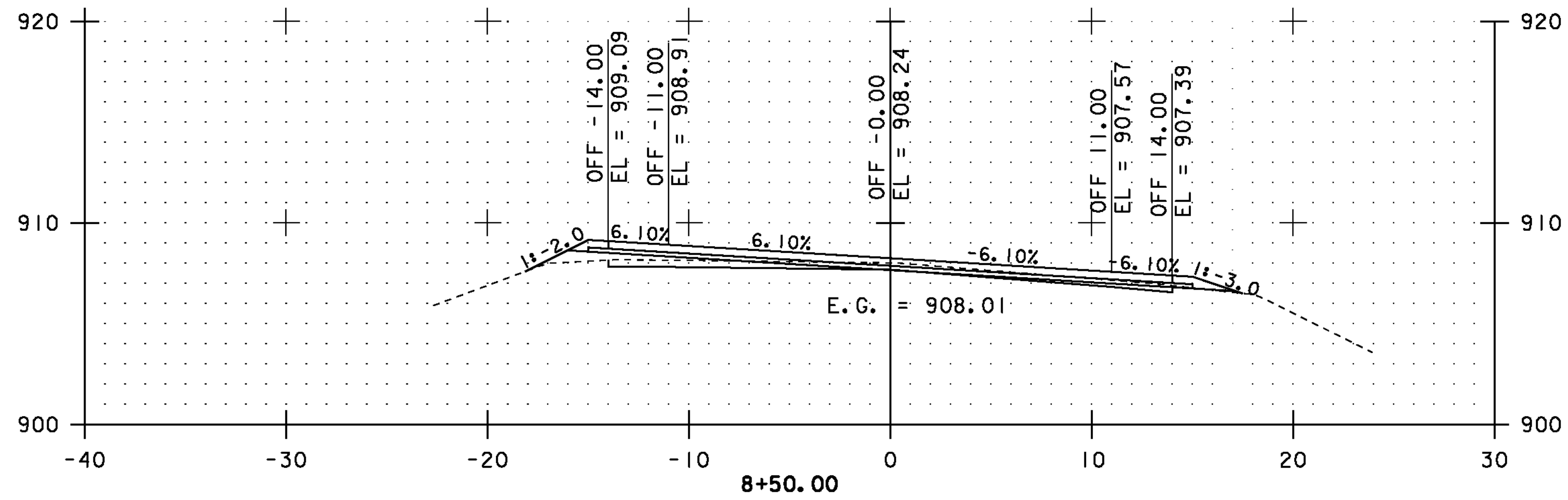
IPARM FILE: p01c052xss03.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 53 OF 107



STA. 7+50.00 TO STA. 9+50.00

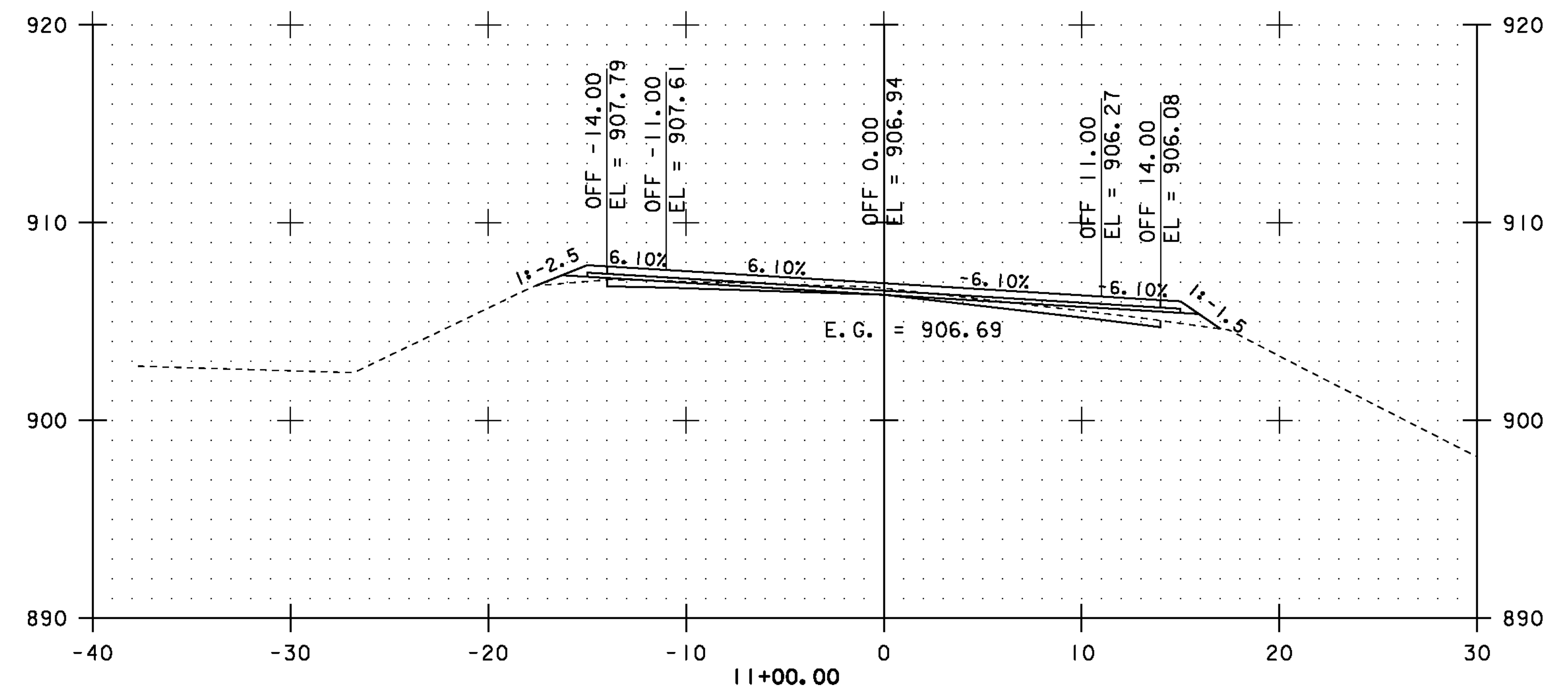
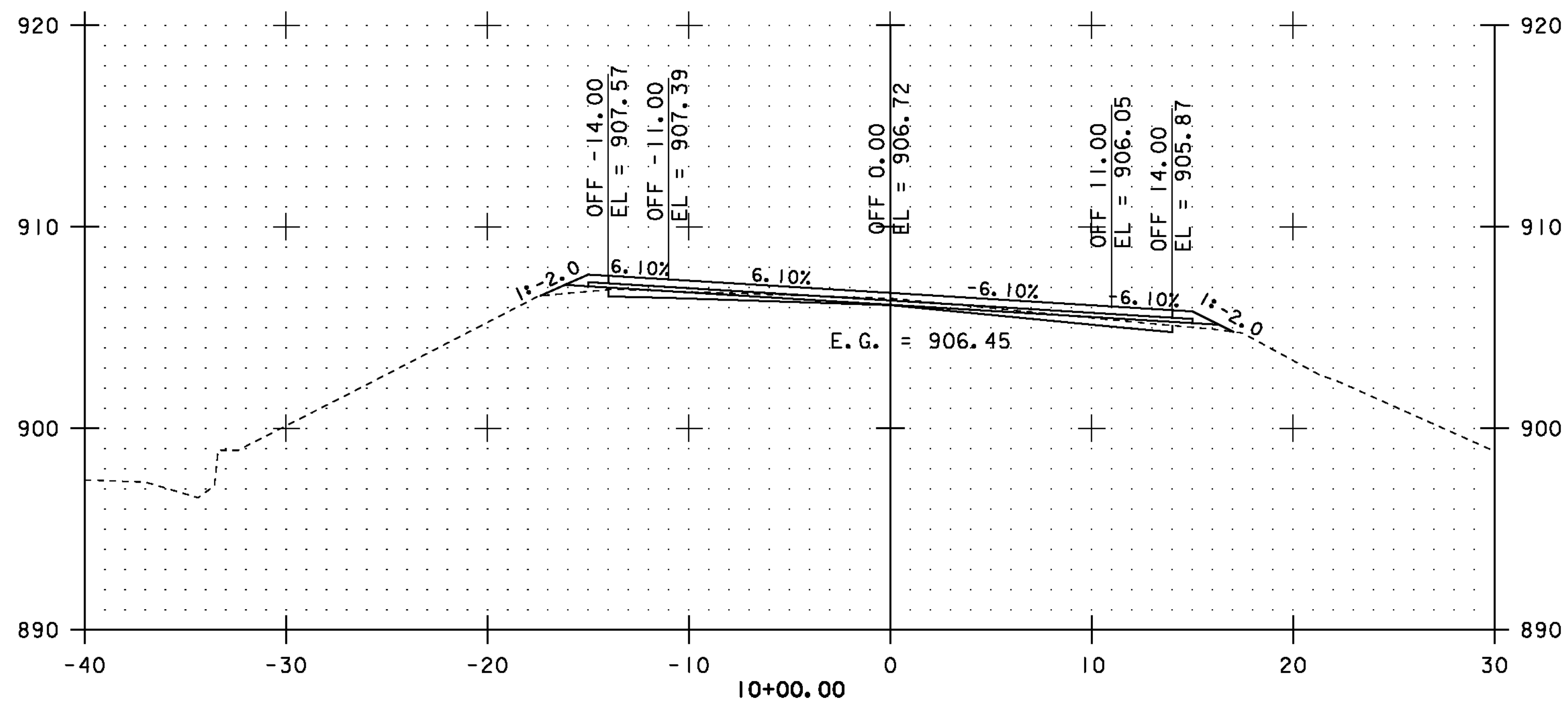
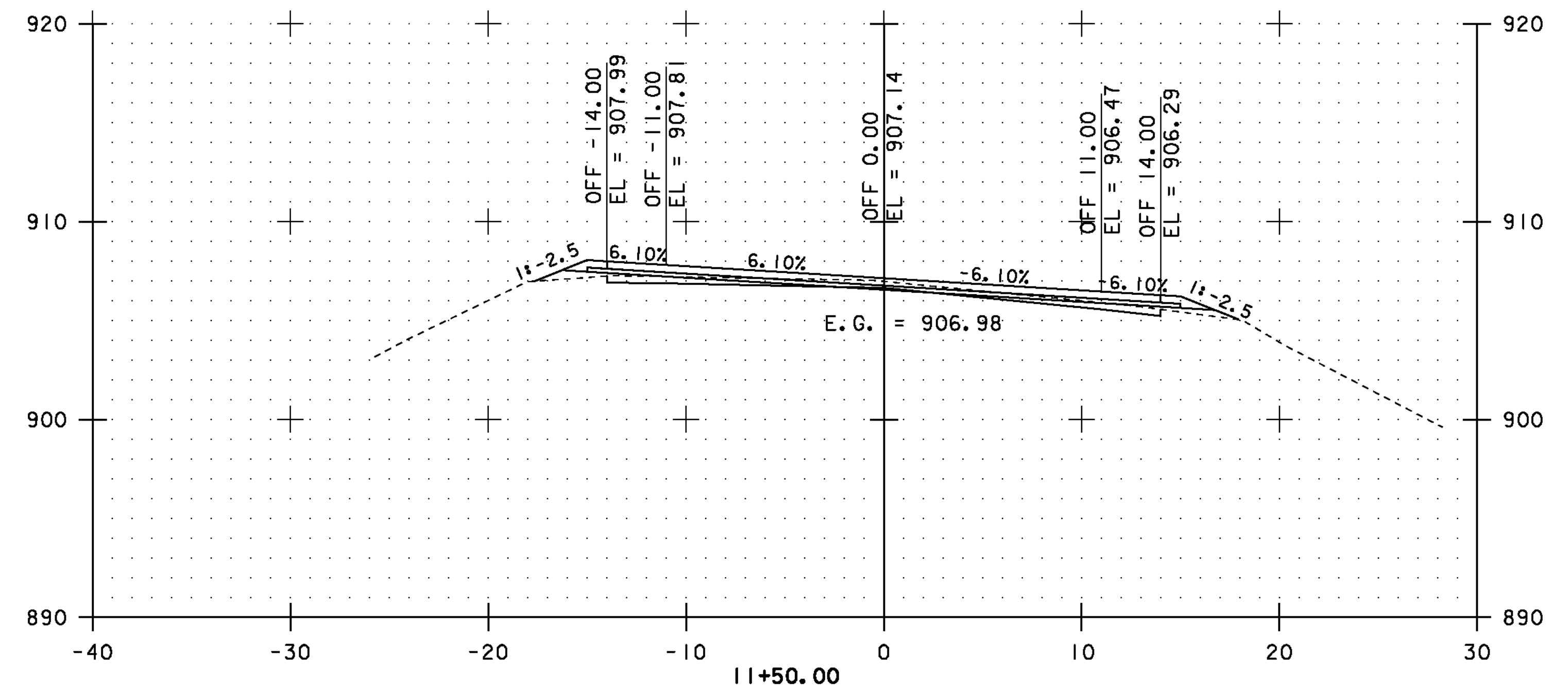
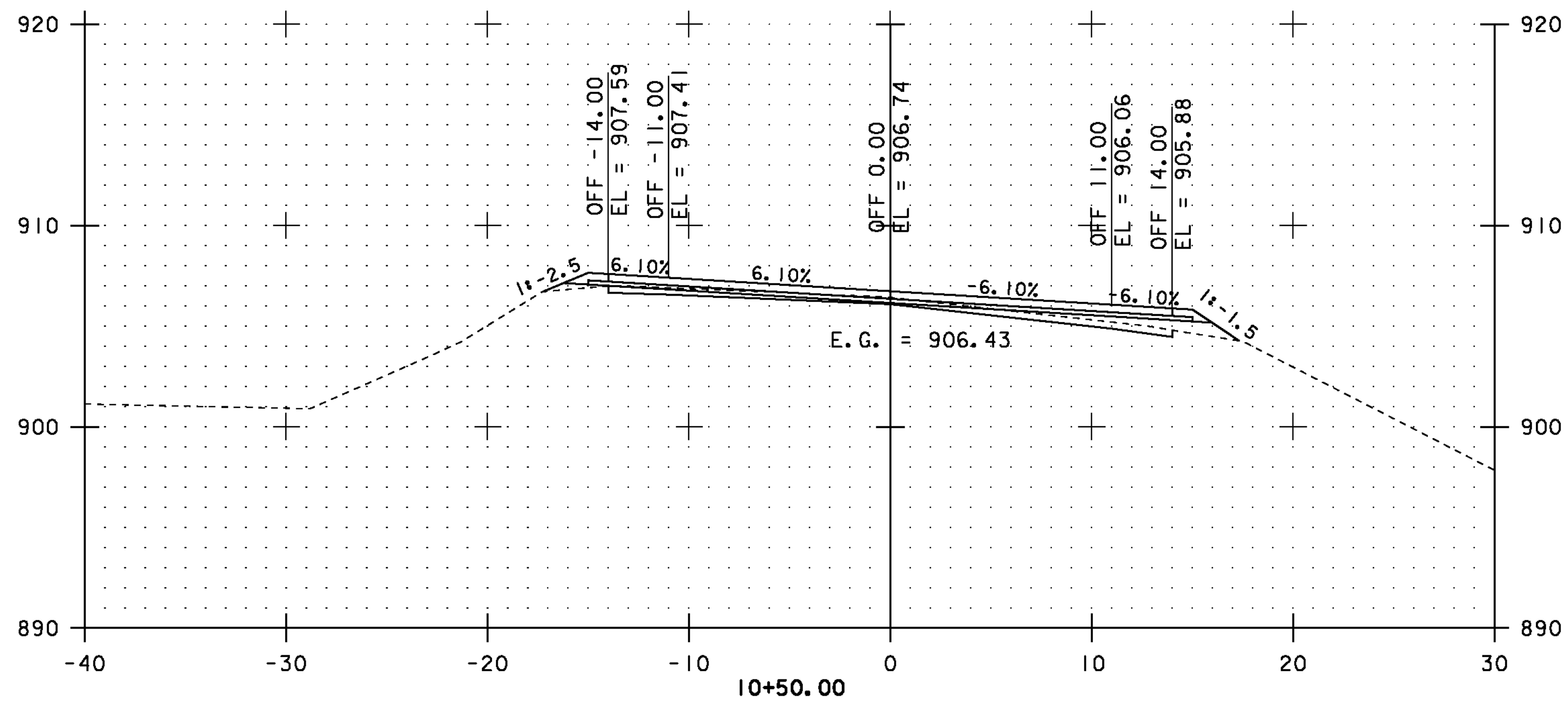


CROSS SECTIONS SHEET #4

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss04.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 54 OF 107



STA. 10+00.00 TO STA. 11+50.00

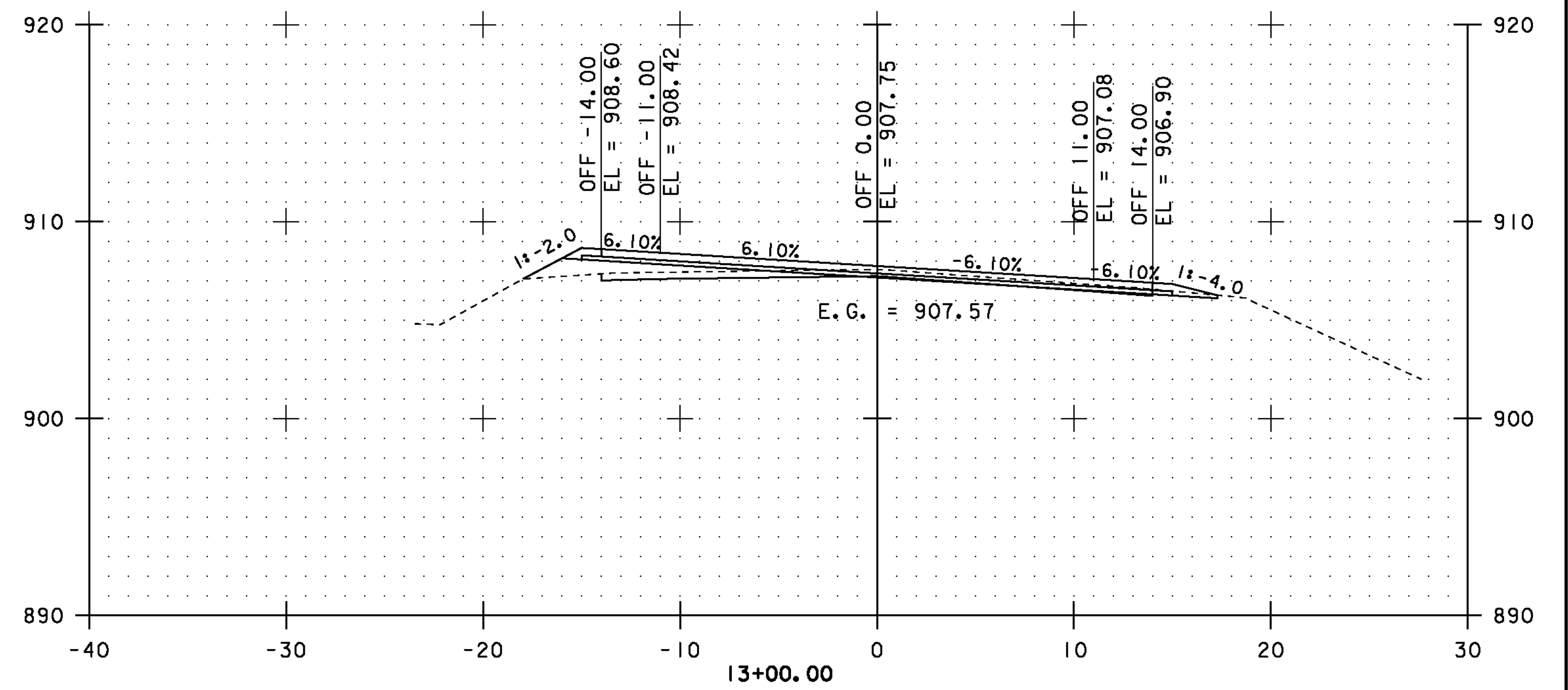
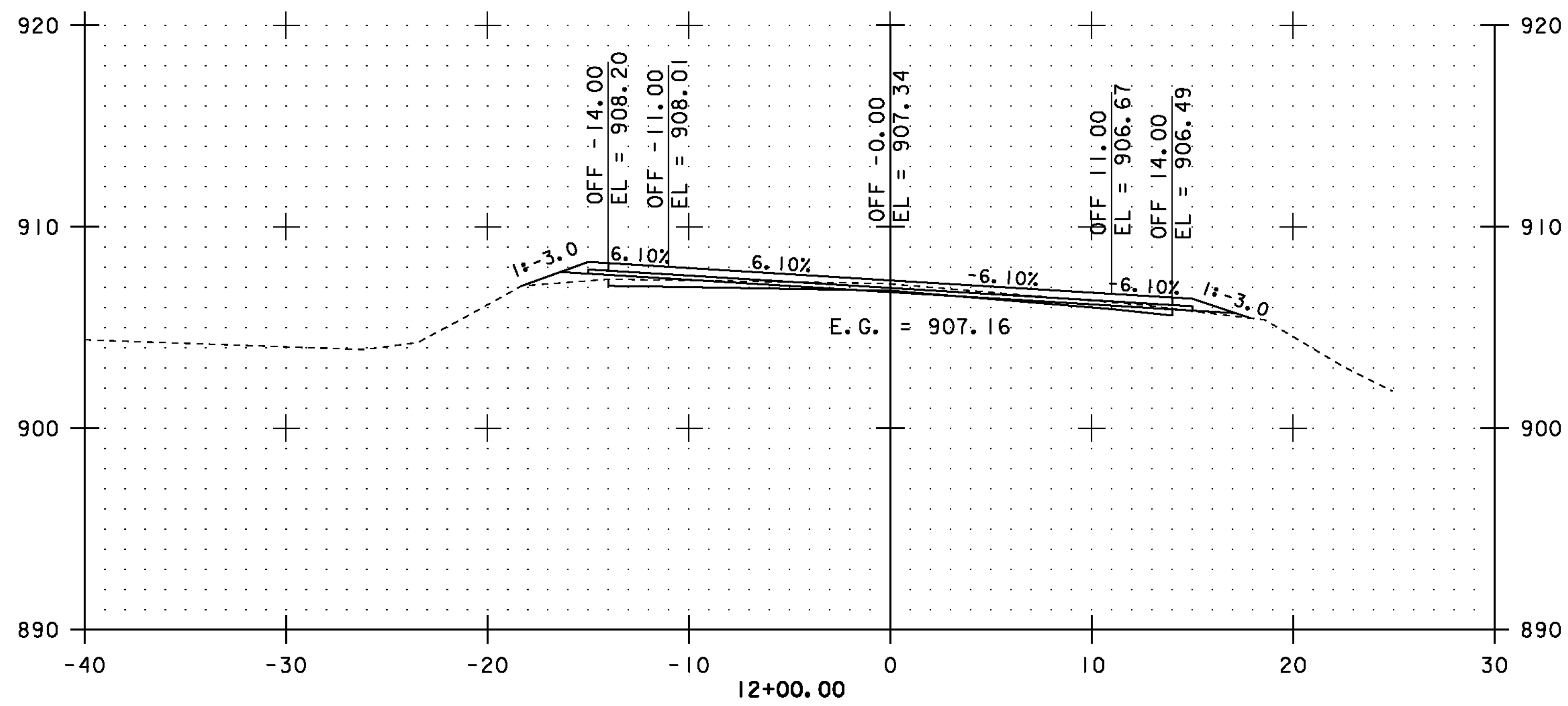
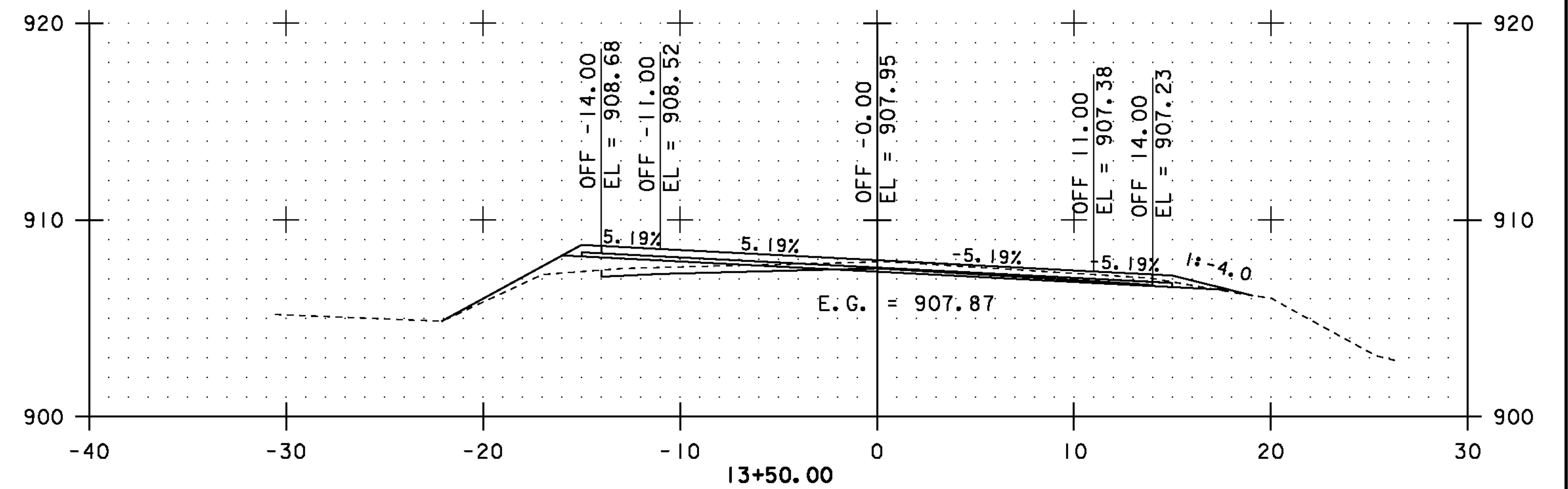
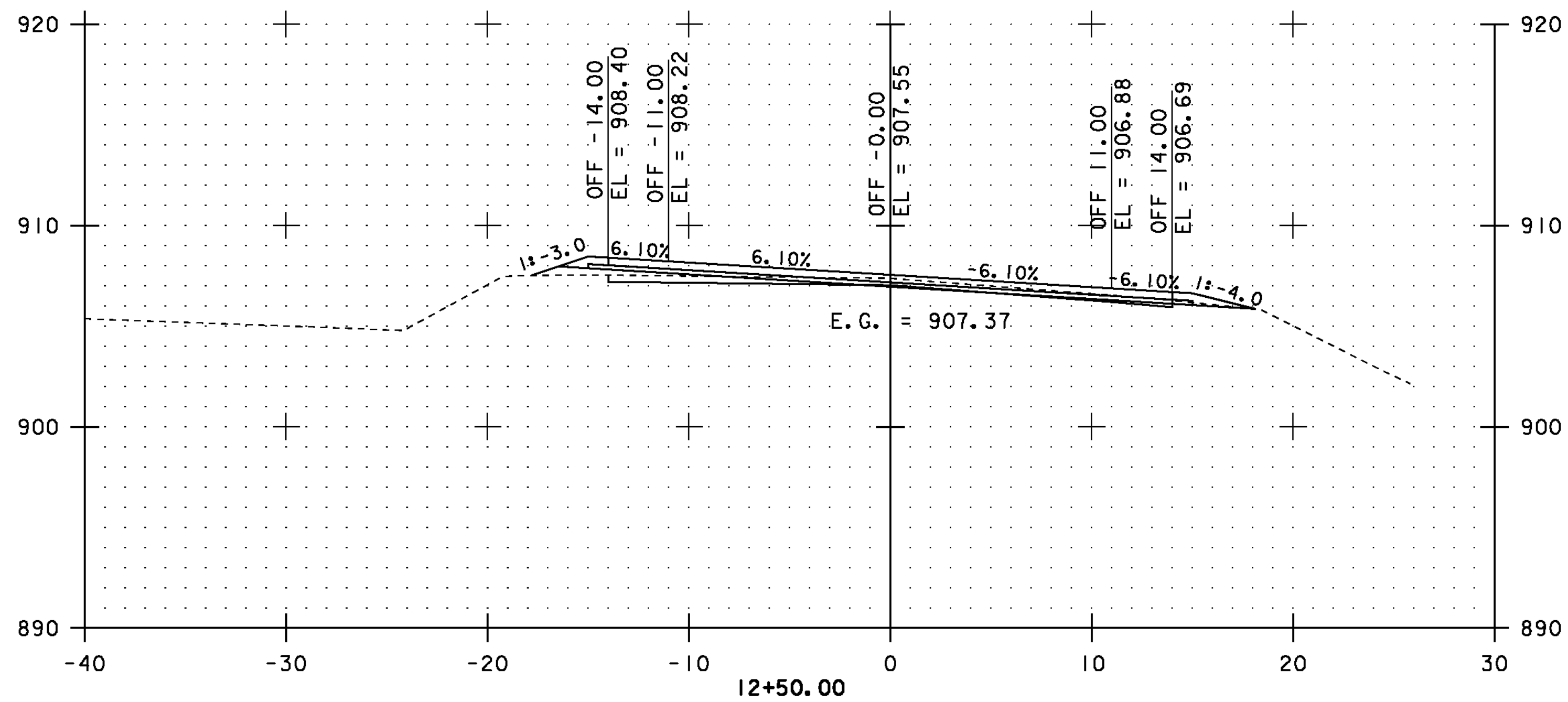


CROSS SECTIONS SHEET #5

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss05.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 55 OF 107



STA. 12+00.00 TO STA. 13+50.00



CROSS SECTIONS SHEET #6

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

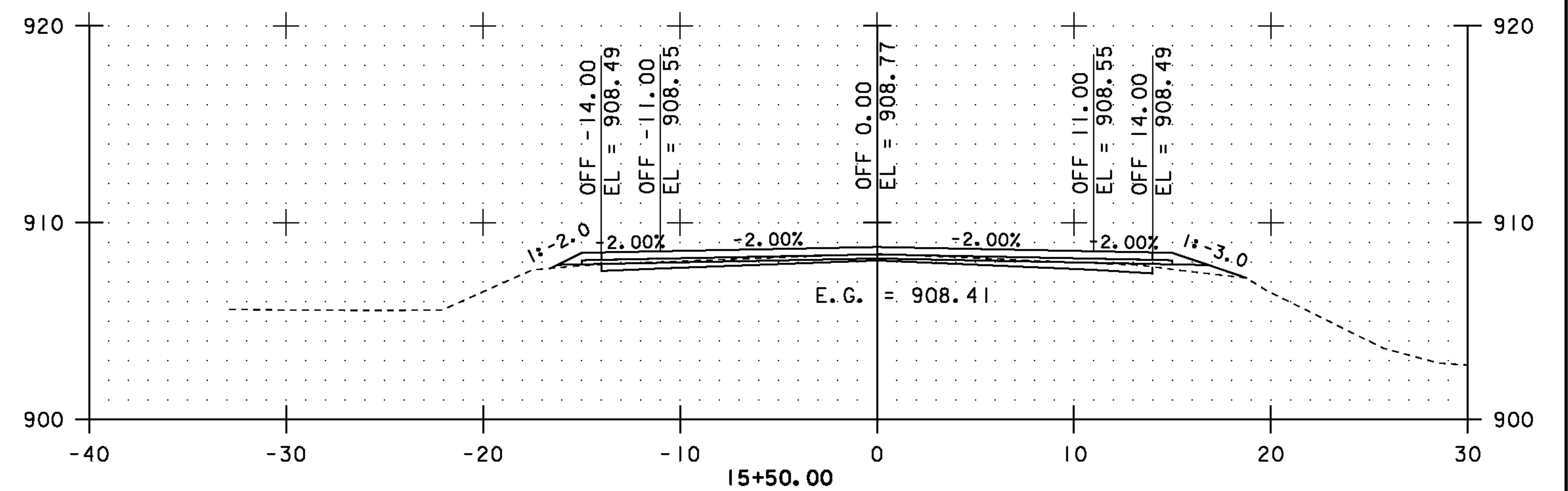
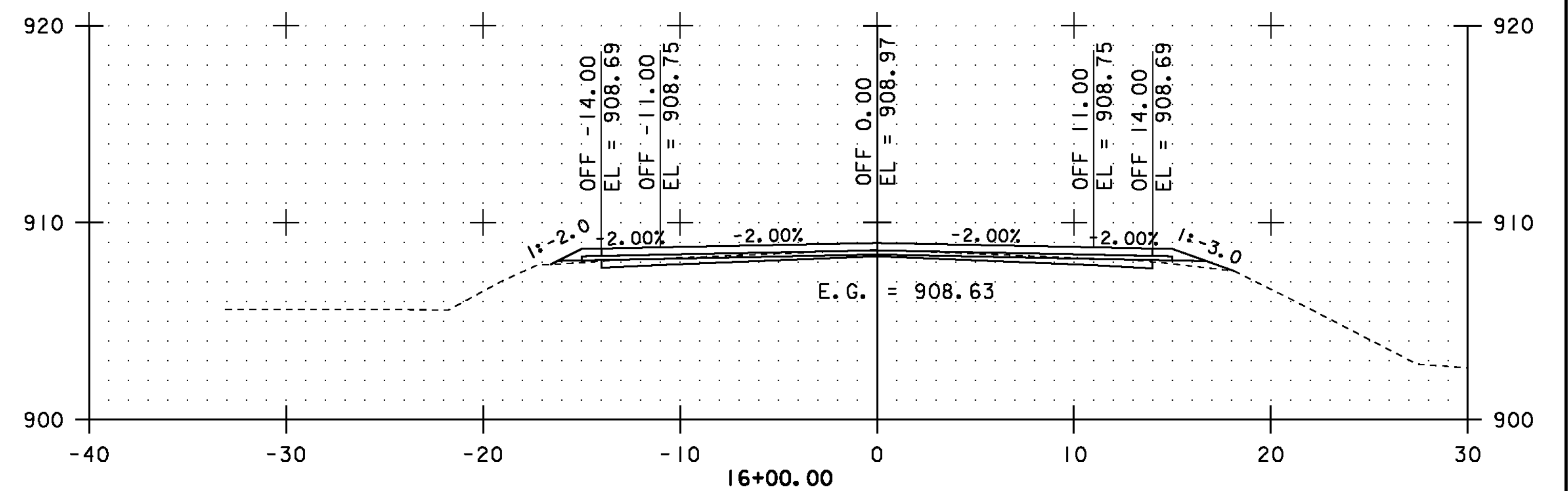
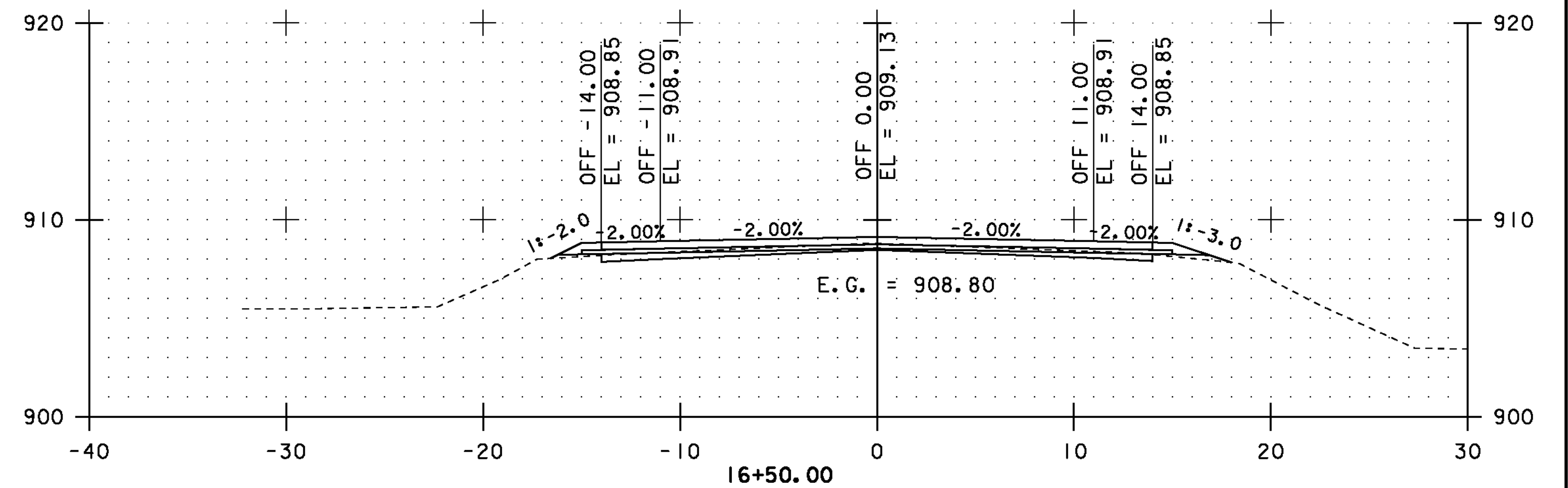
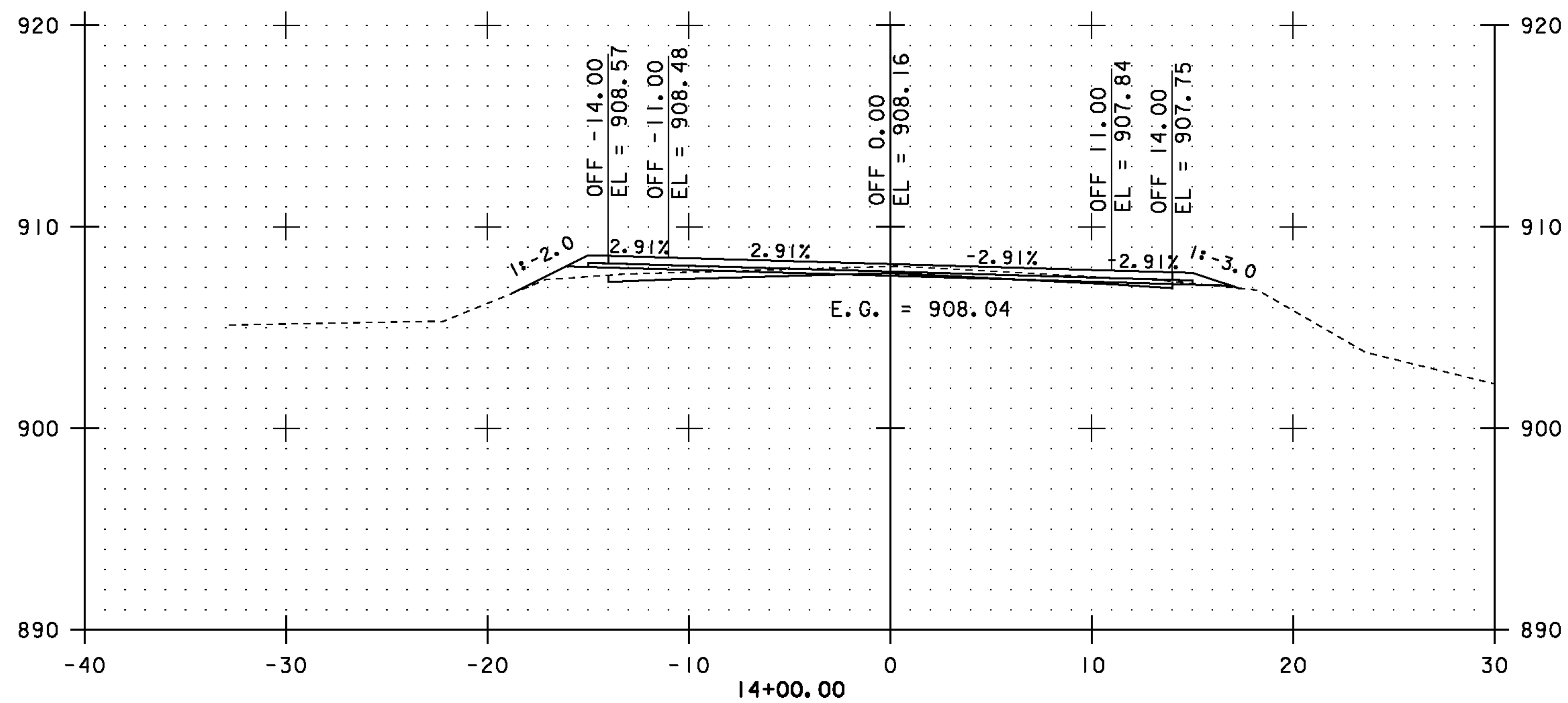
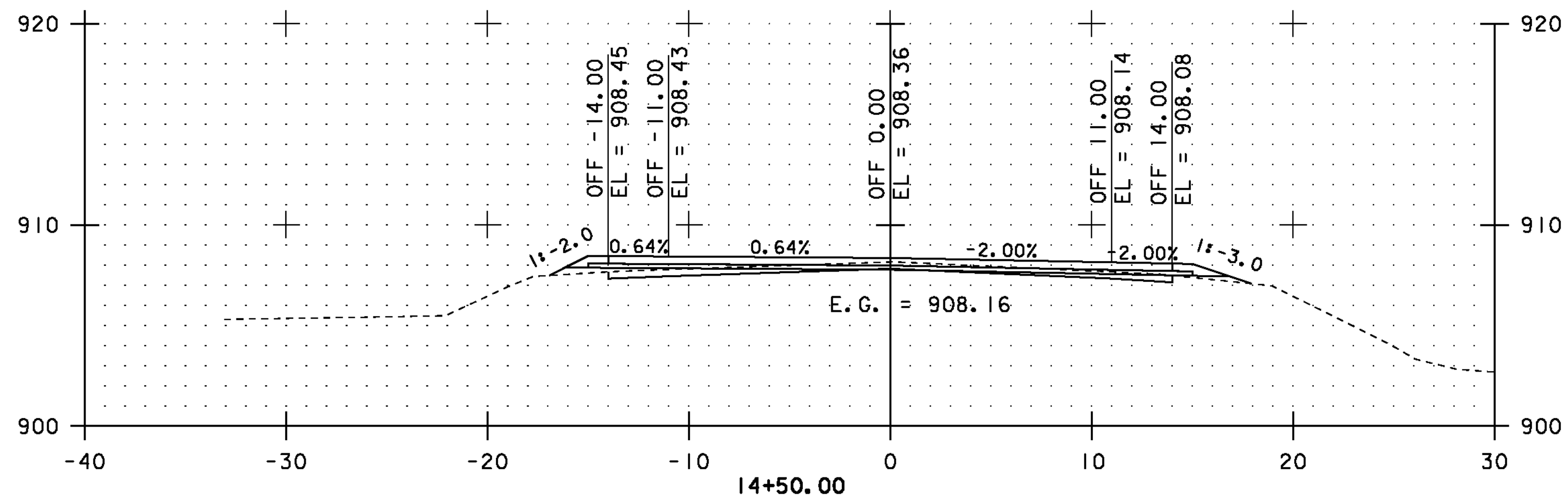
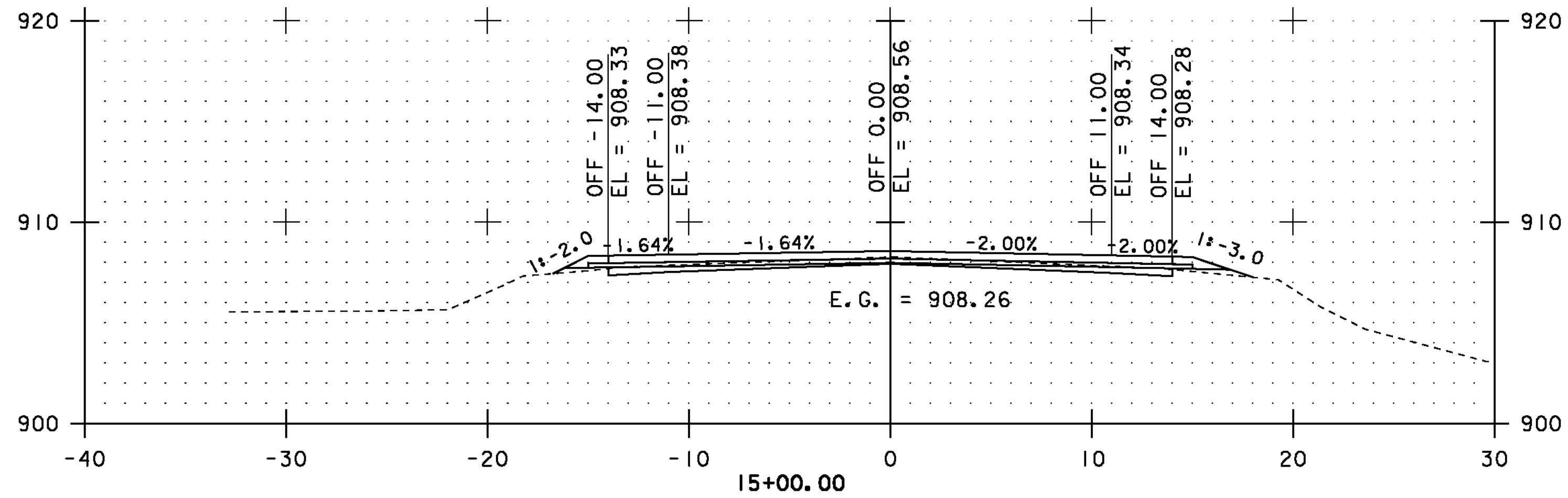
IPARM FILE: p01c052xss06.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 56 OF 107



STA. 14+00.00 TO STA. 16+50.00



CROSS SECTIONS SHEET #7

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

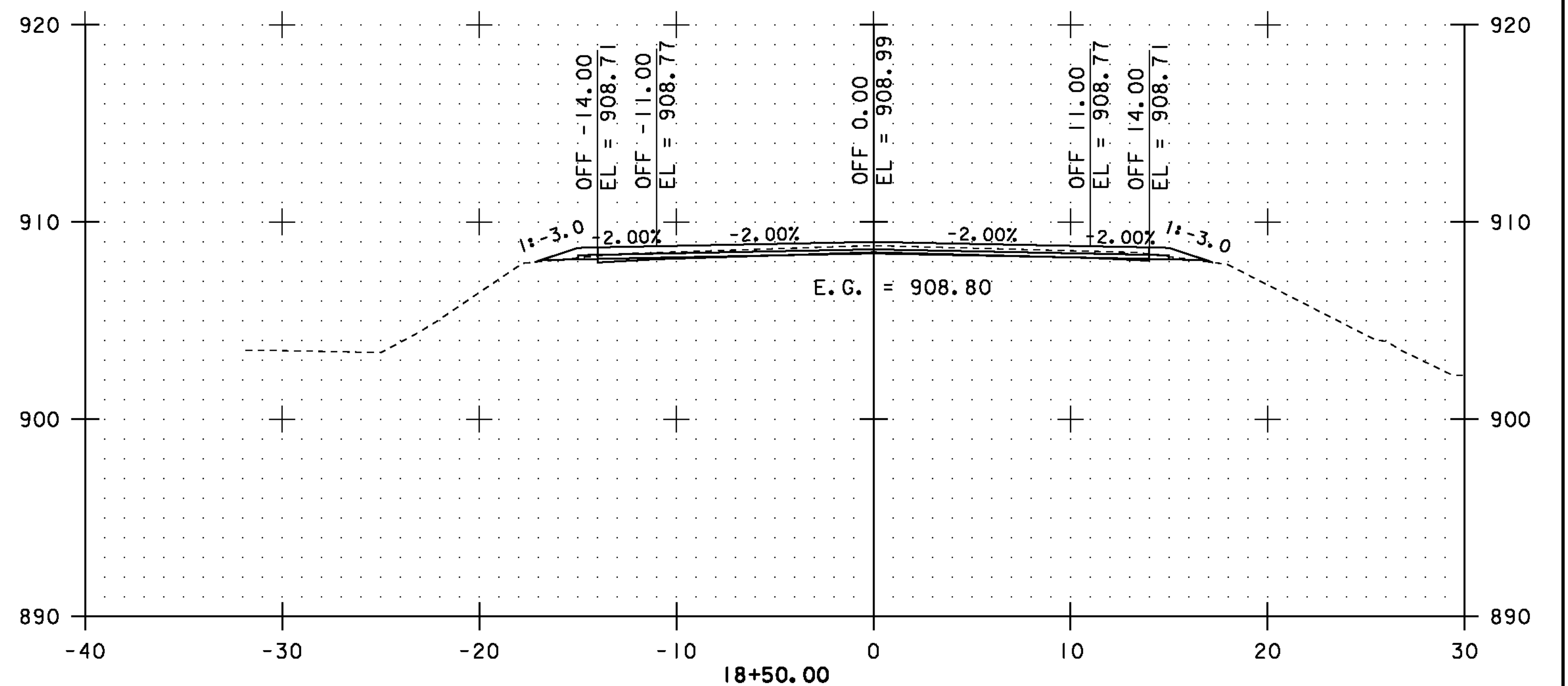
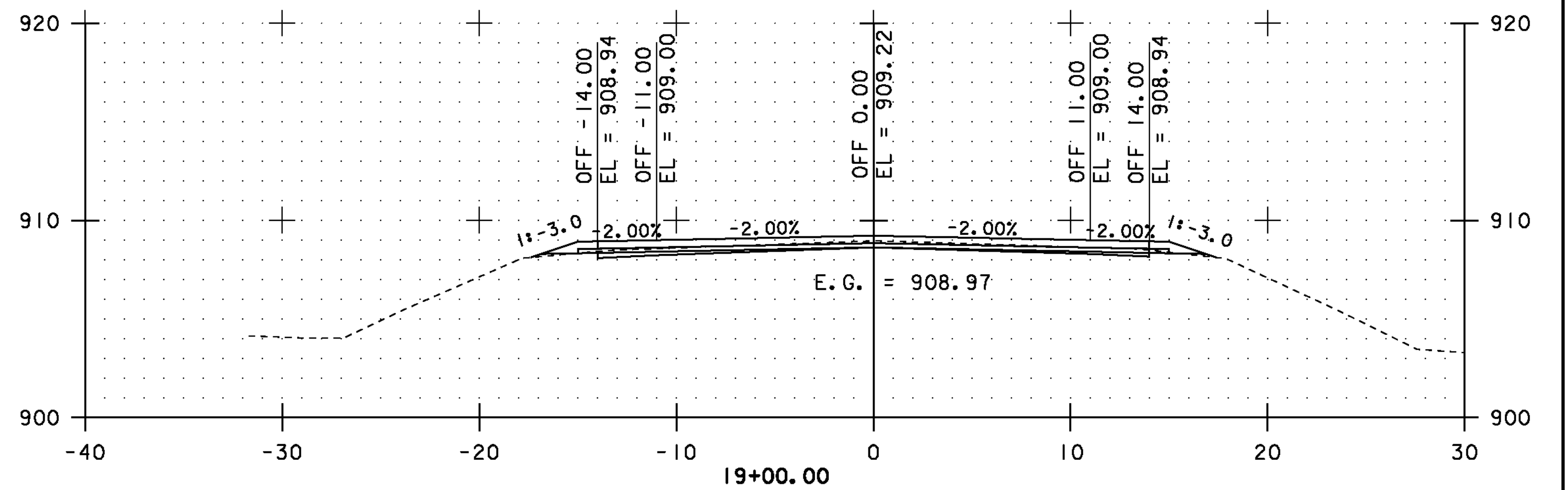
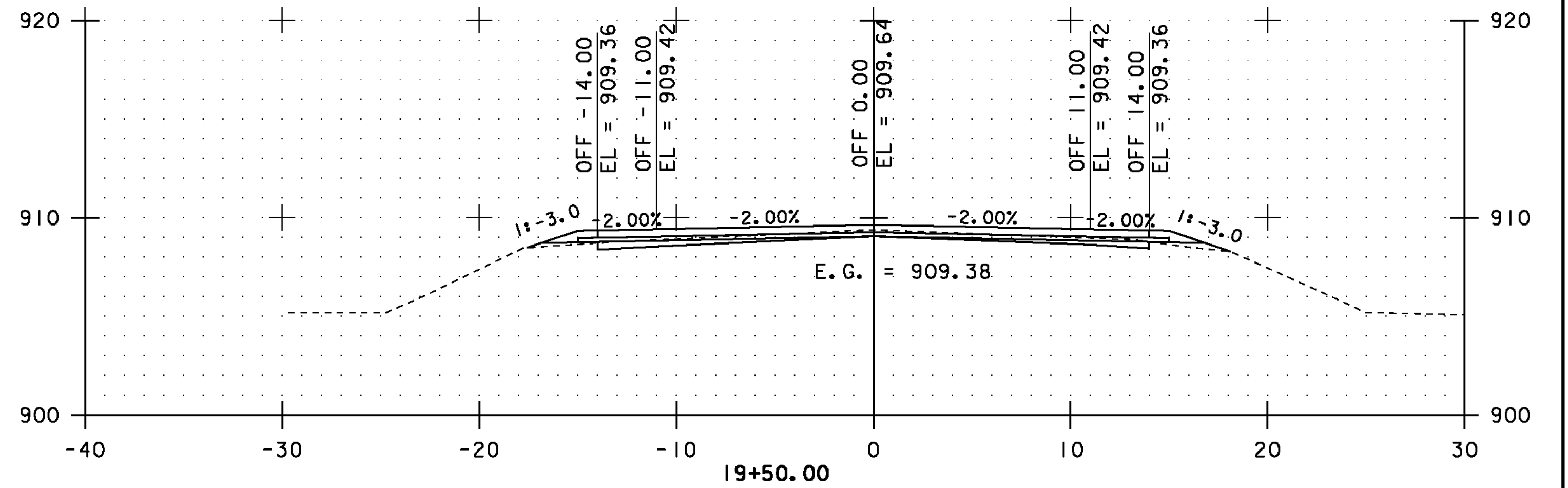
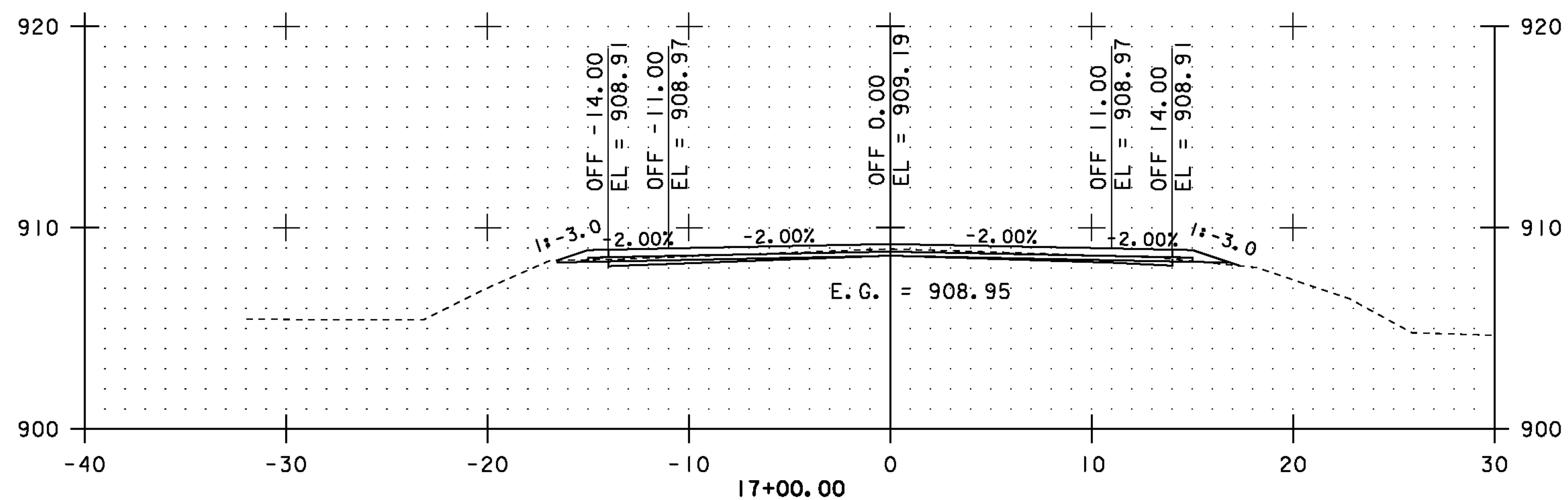
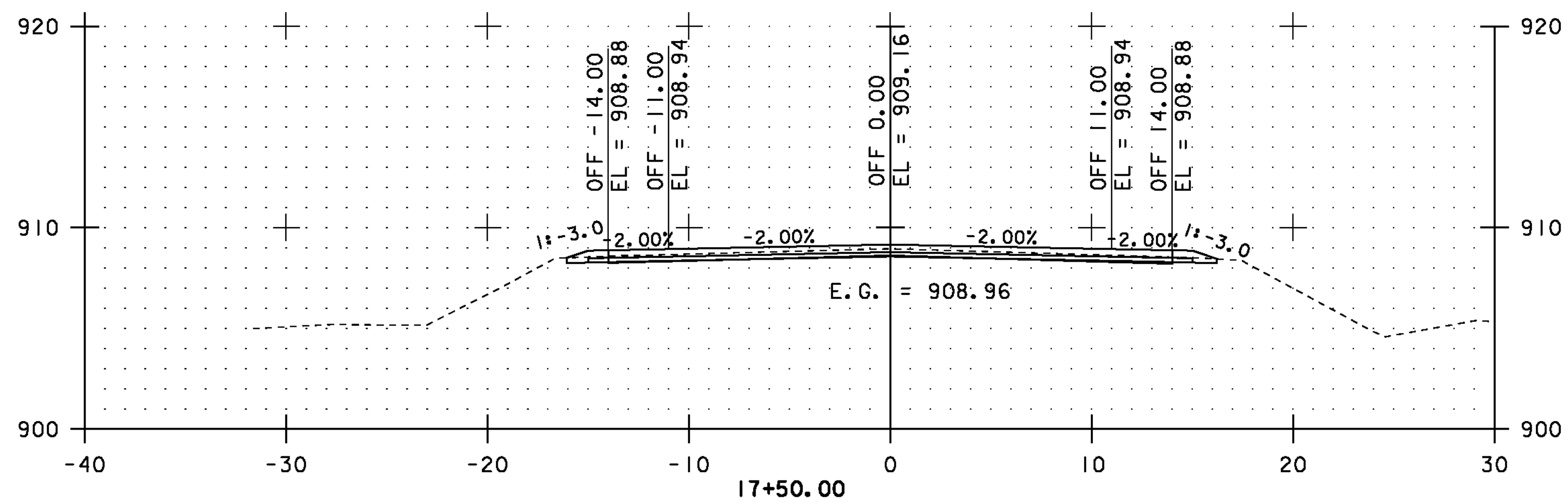
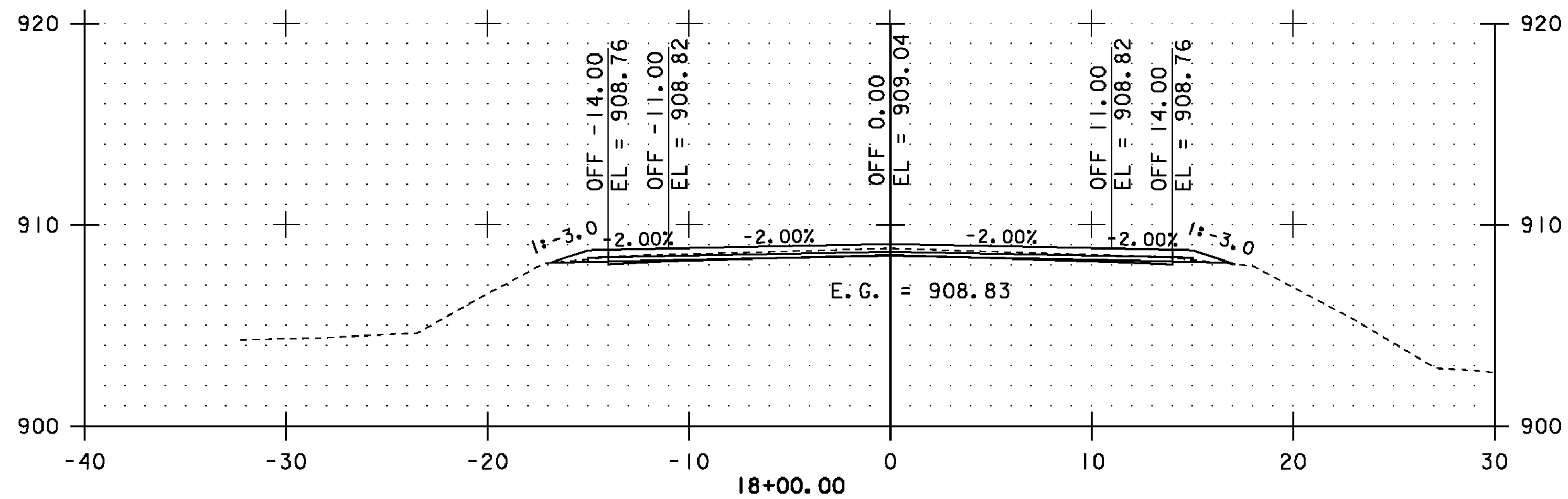
IPARM FILE: p01c052xss07.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 57 OF 107



STA. 17+00.00 TO STA. 19+50.00



CROSS SECTIONS SHEET #8

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

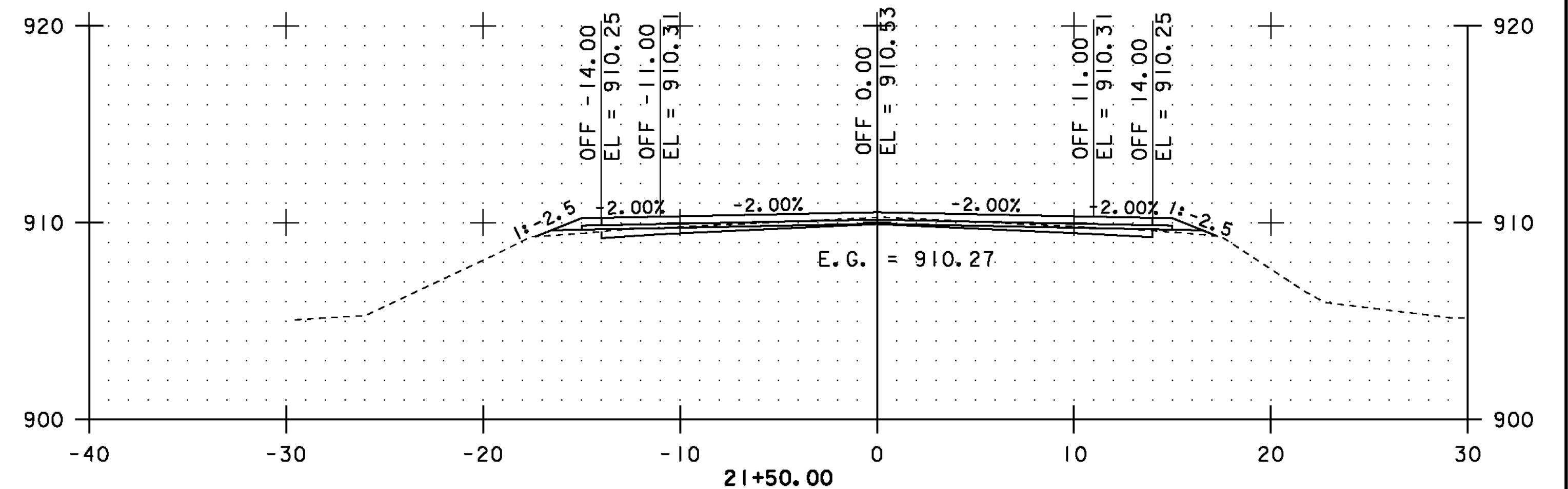
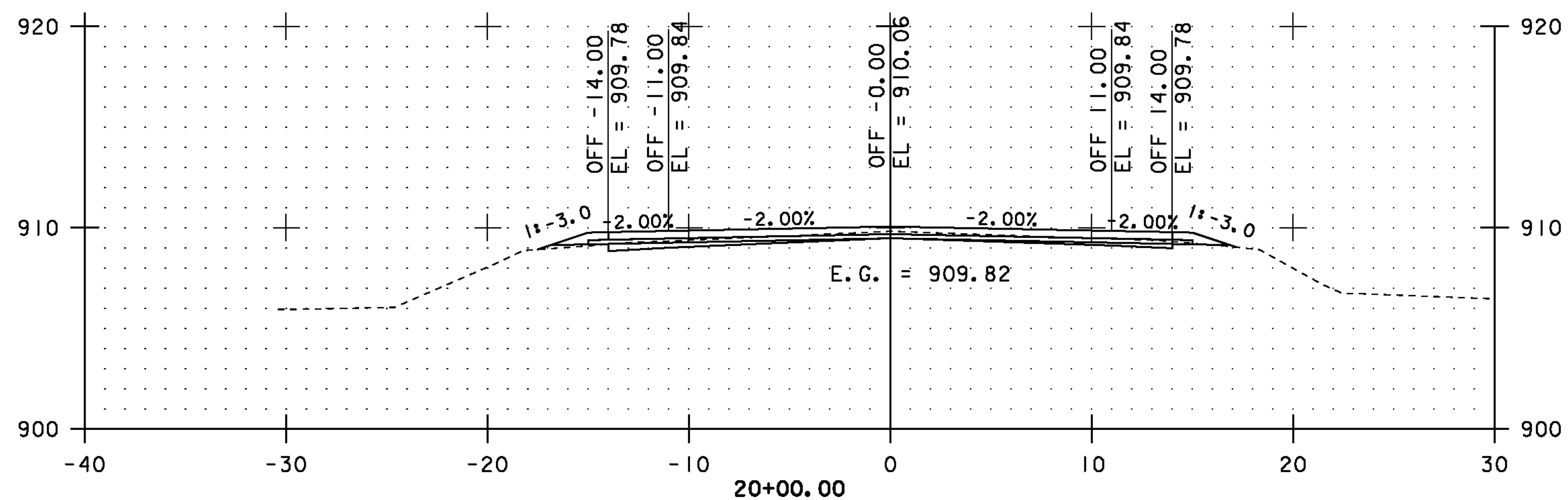
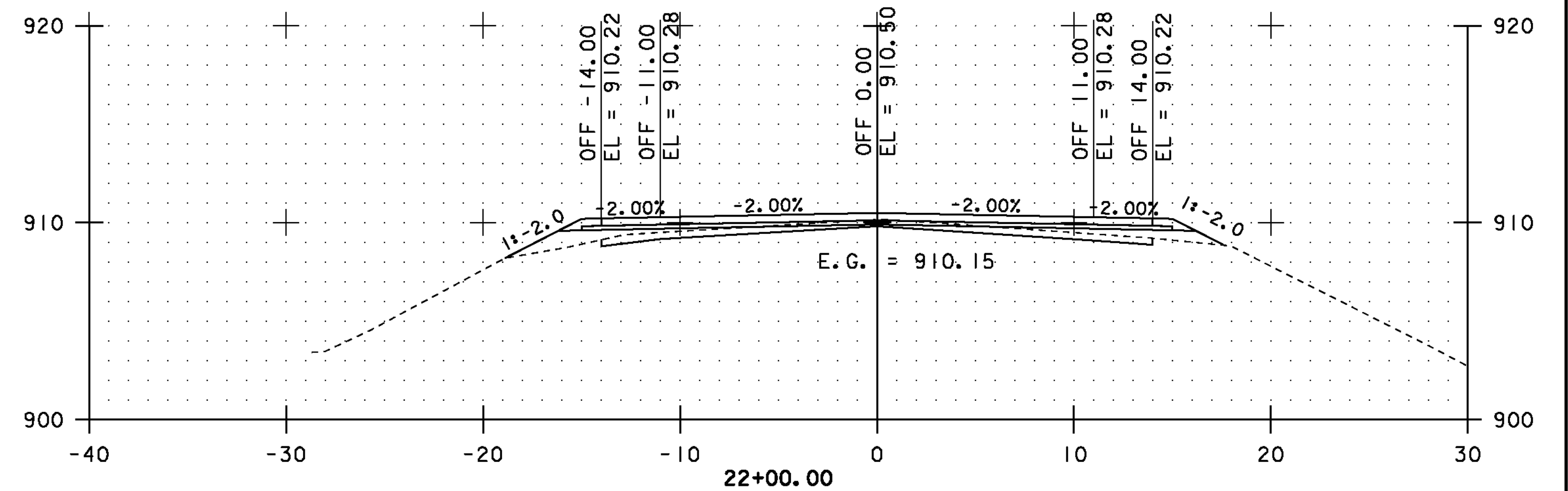
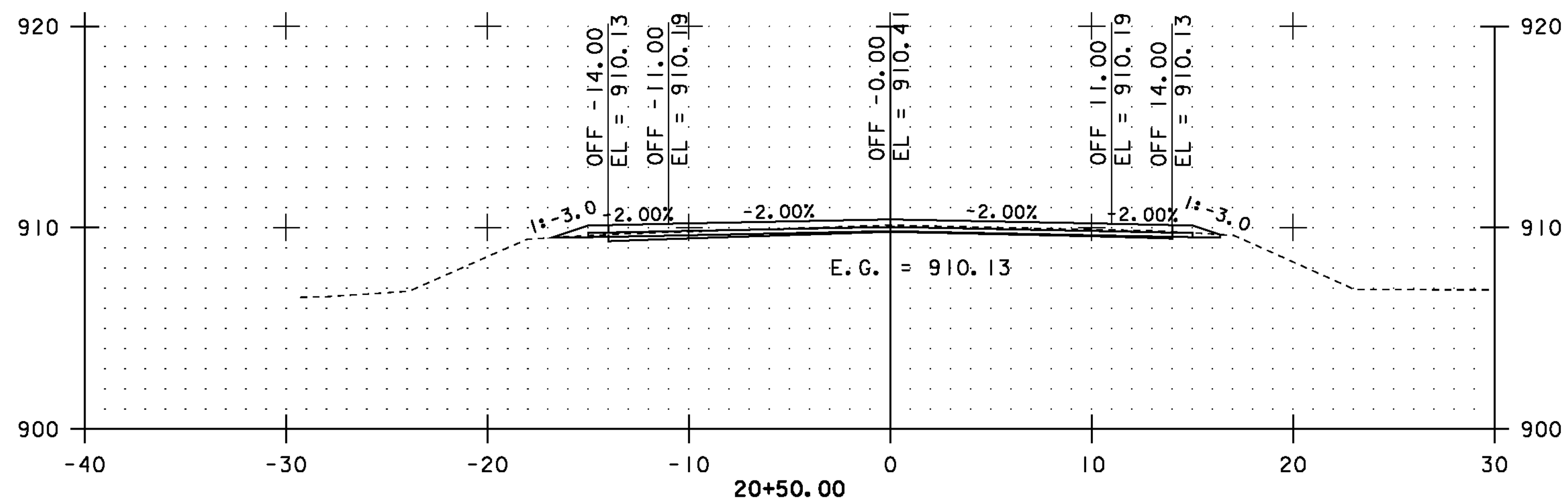
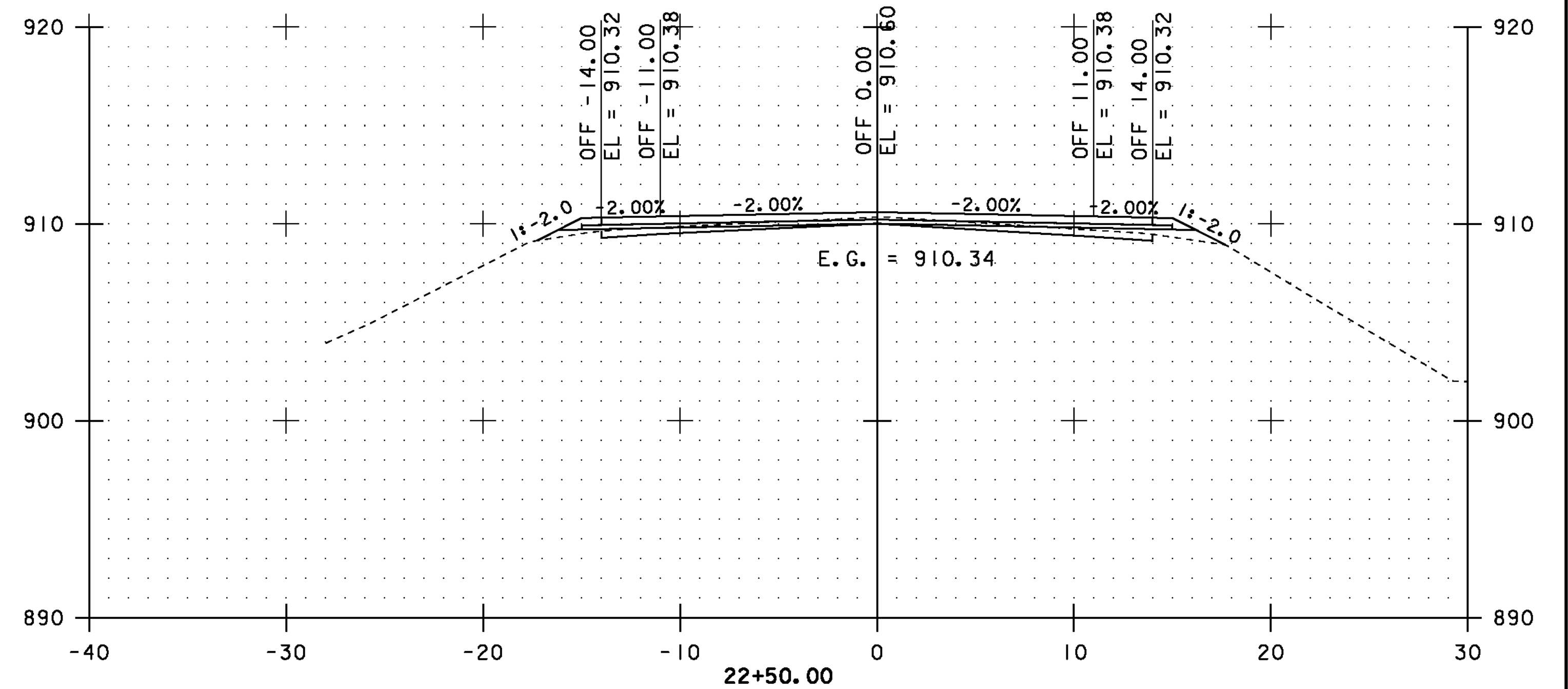
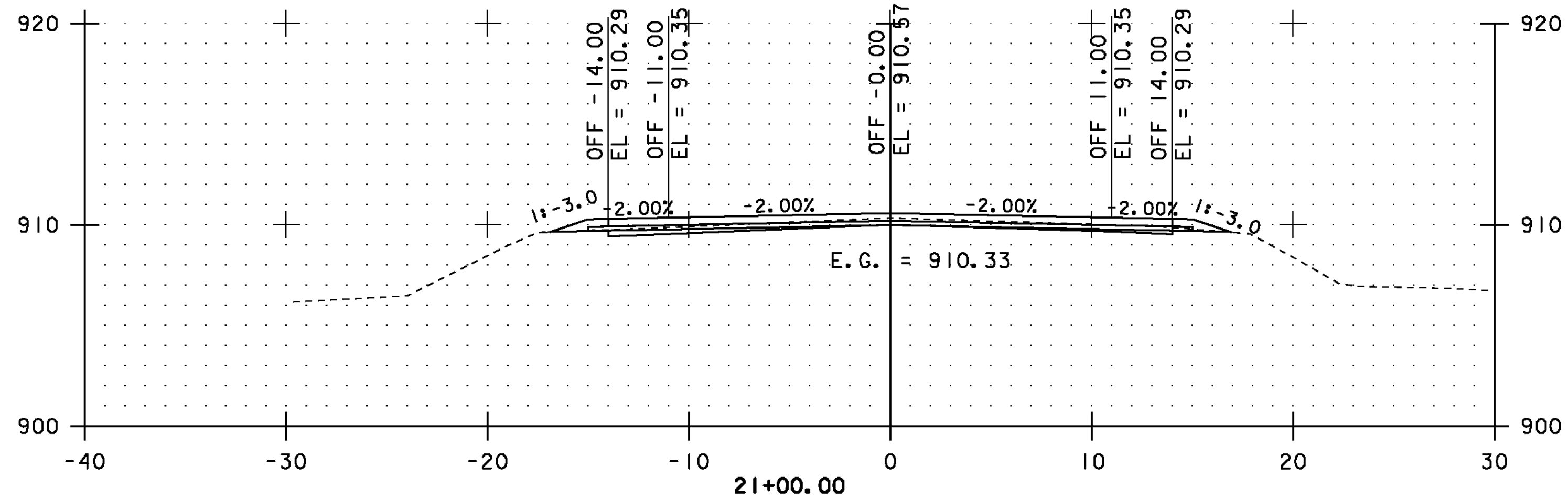
IPARM FILE: p01c052xss08.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 58 OF 107



STA. 20+00.00 TO STA. 22+50.00



CROSS SECTIONS SHEET #9

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

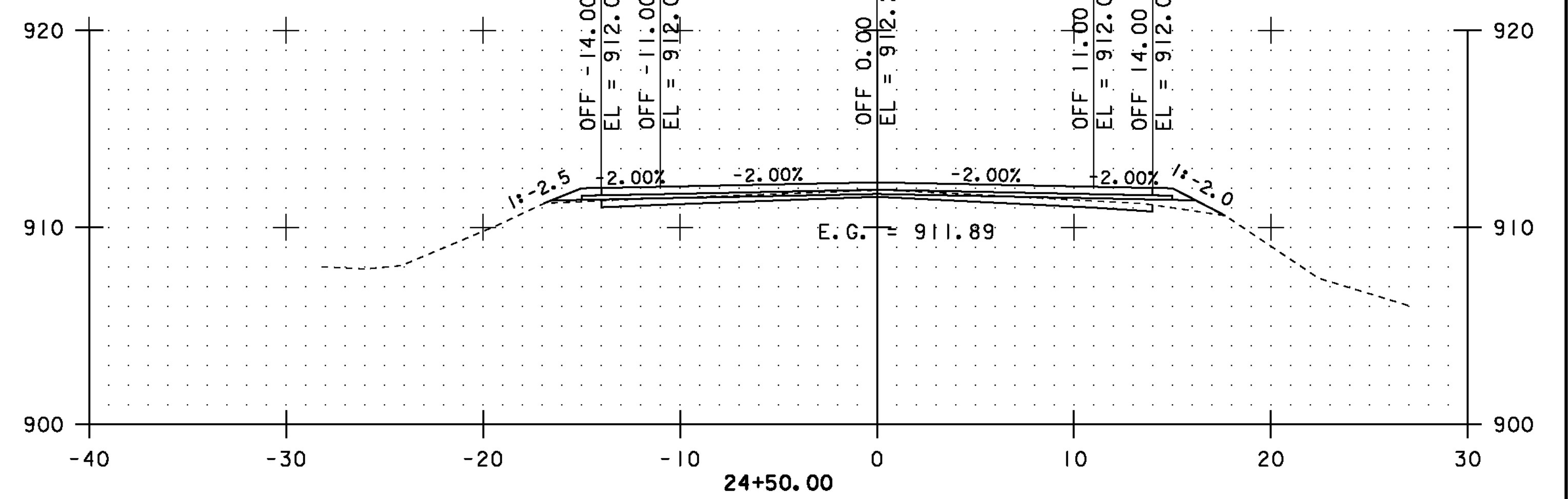
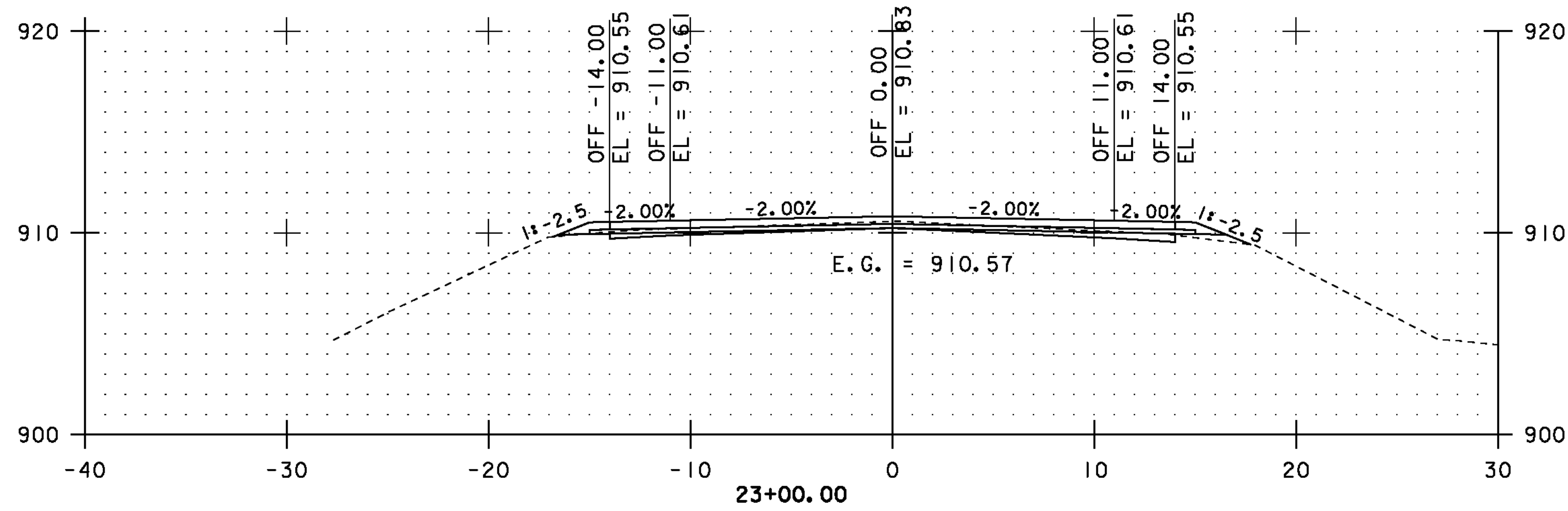
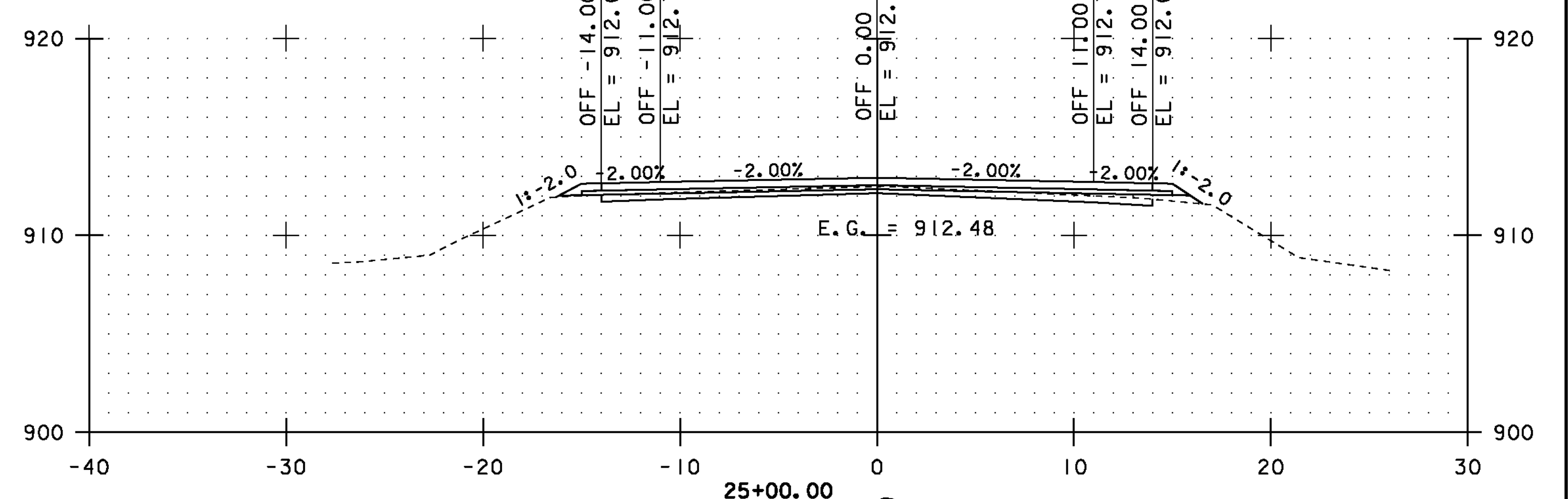
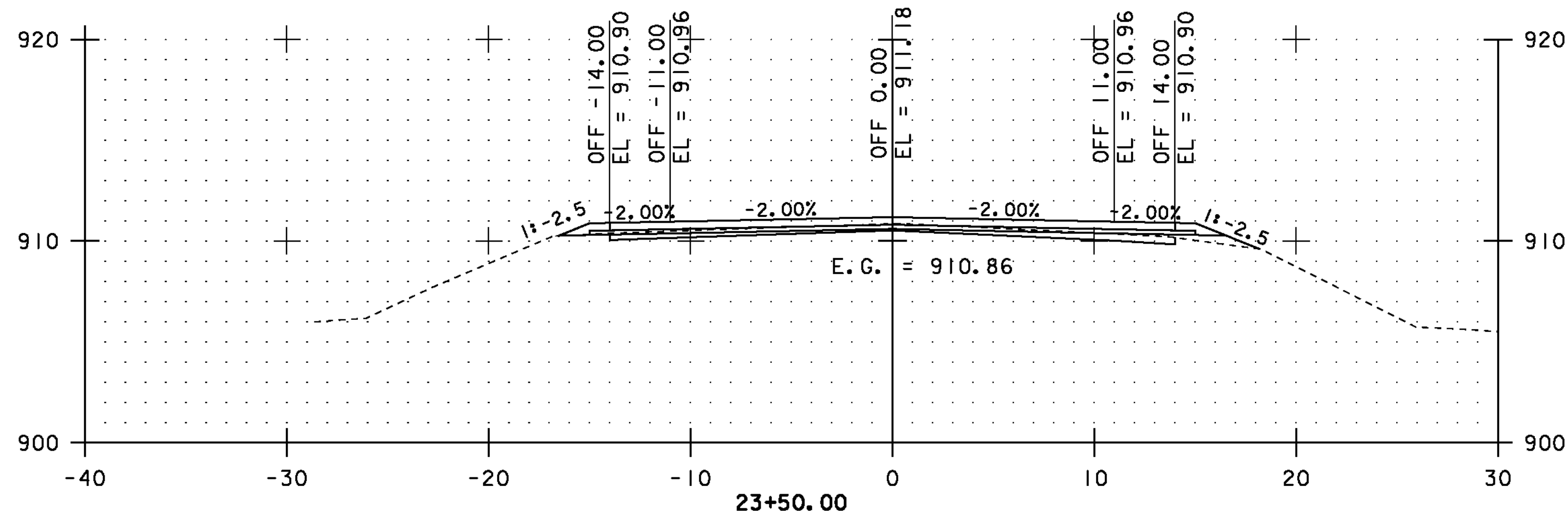
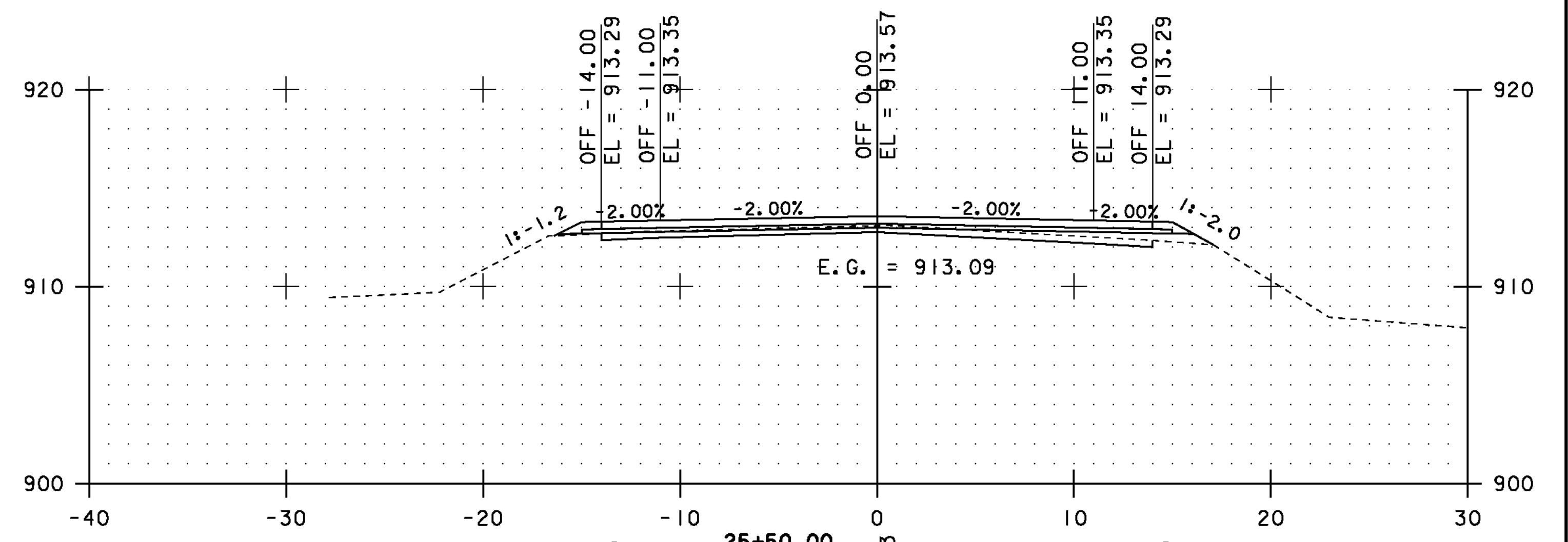
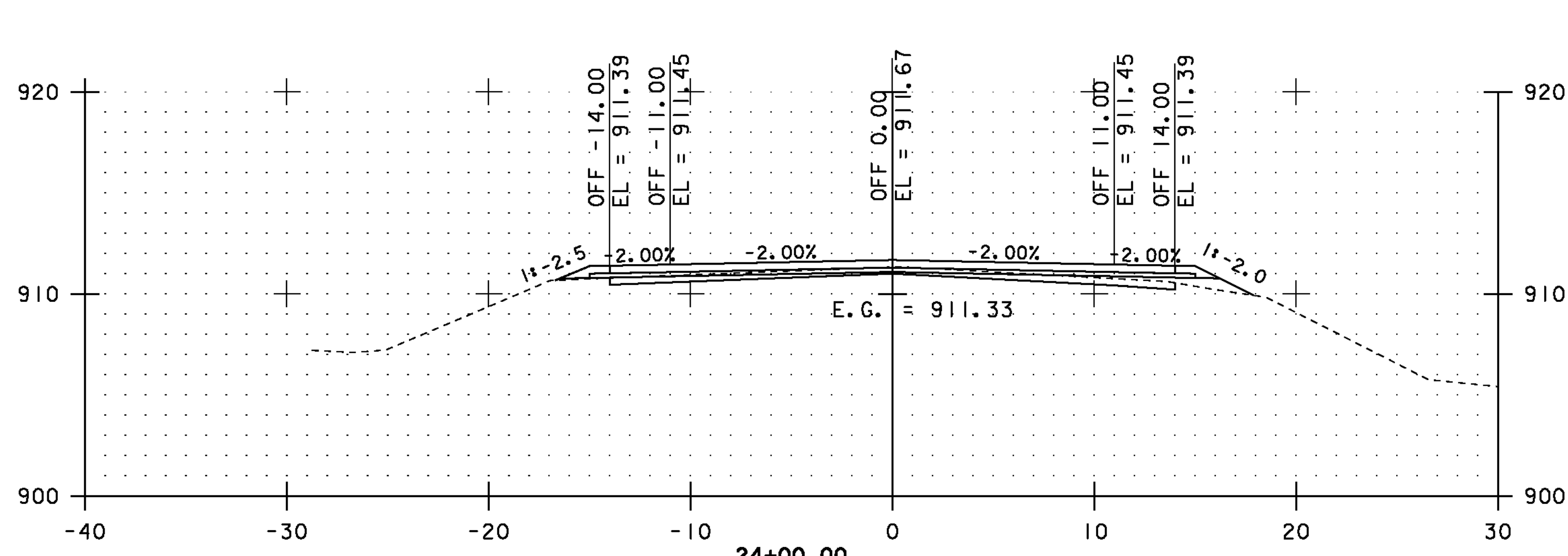
IPARM FILE: p01c052xss09.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 59 OF 107



STA. 23+00.00 TO STA. 25+50.00



CROSS SECTIONS SHEET #10

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

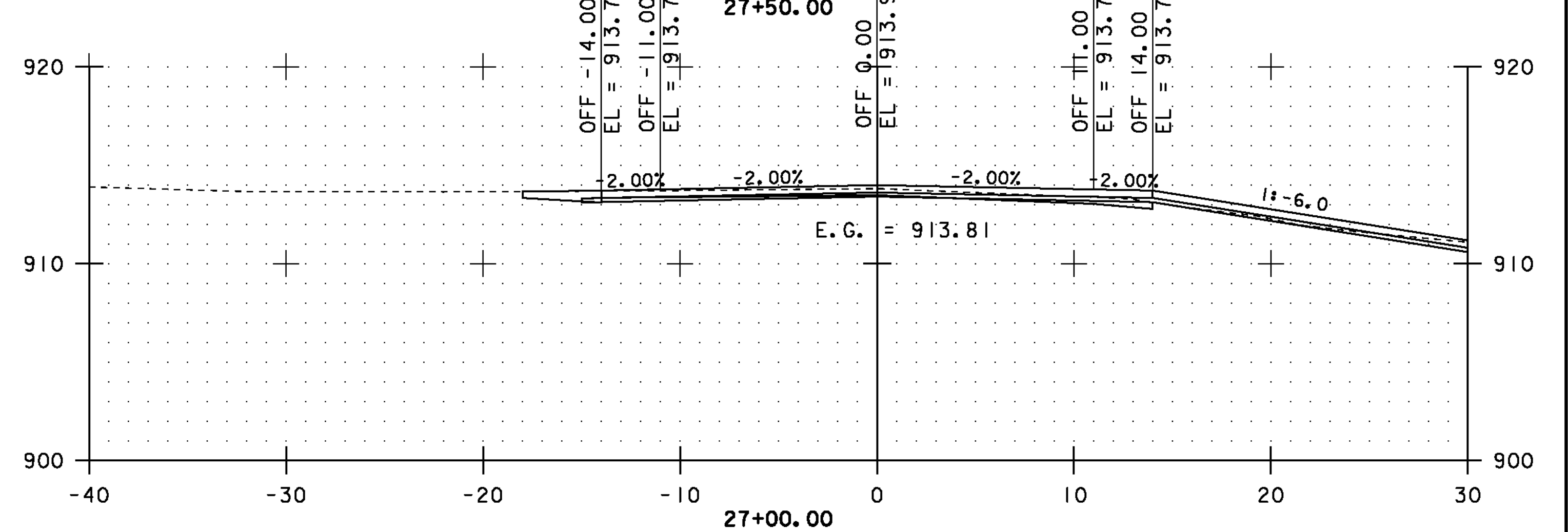
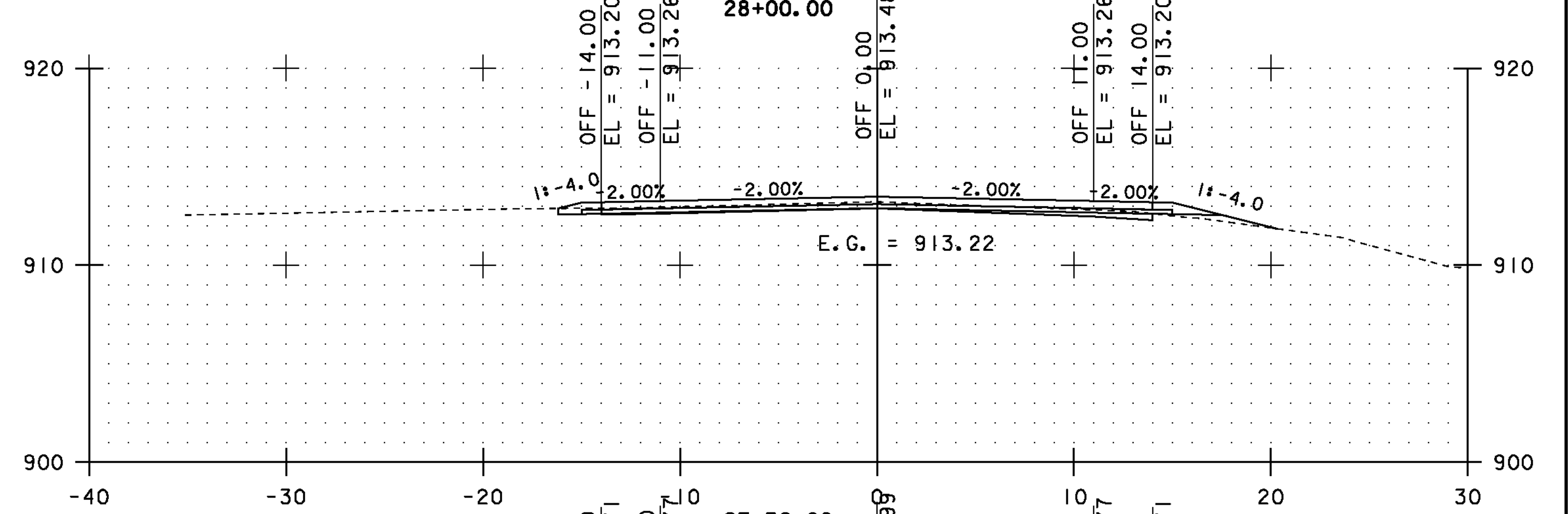
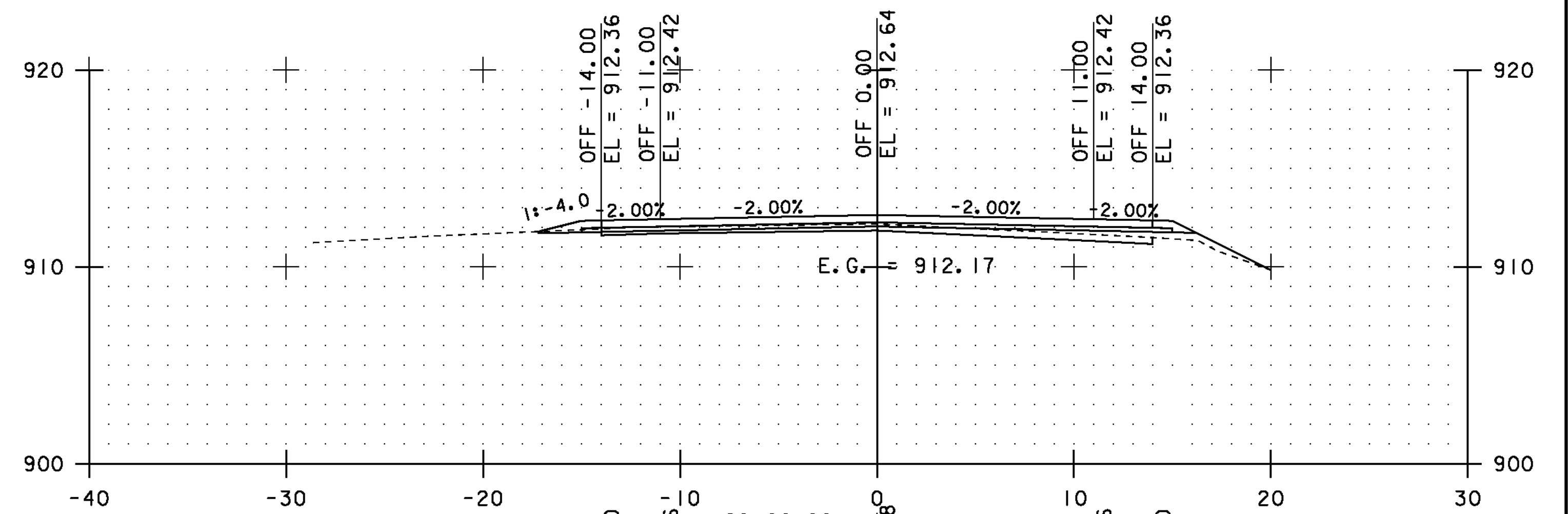
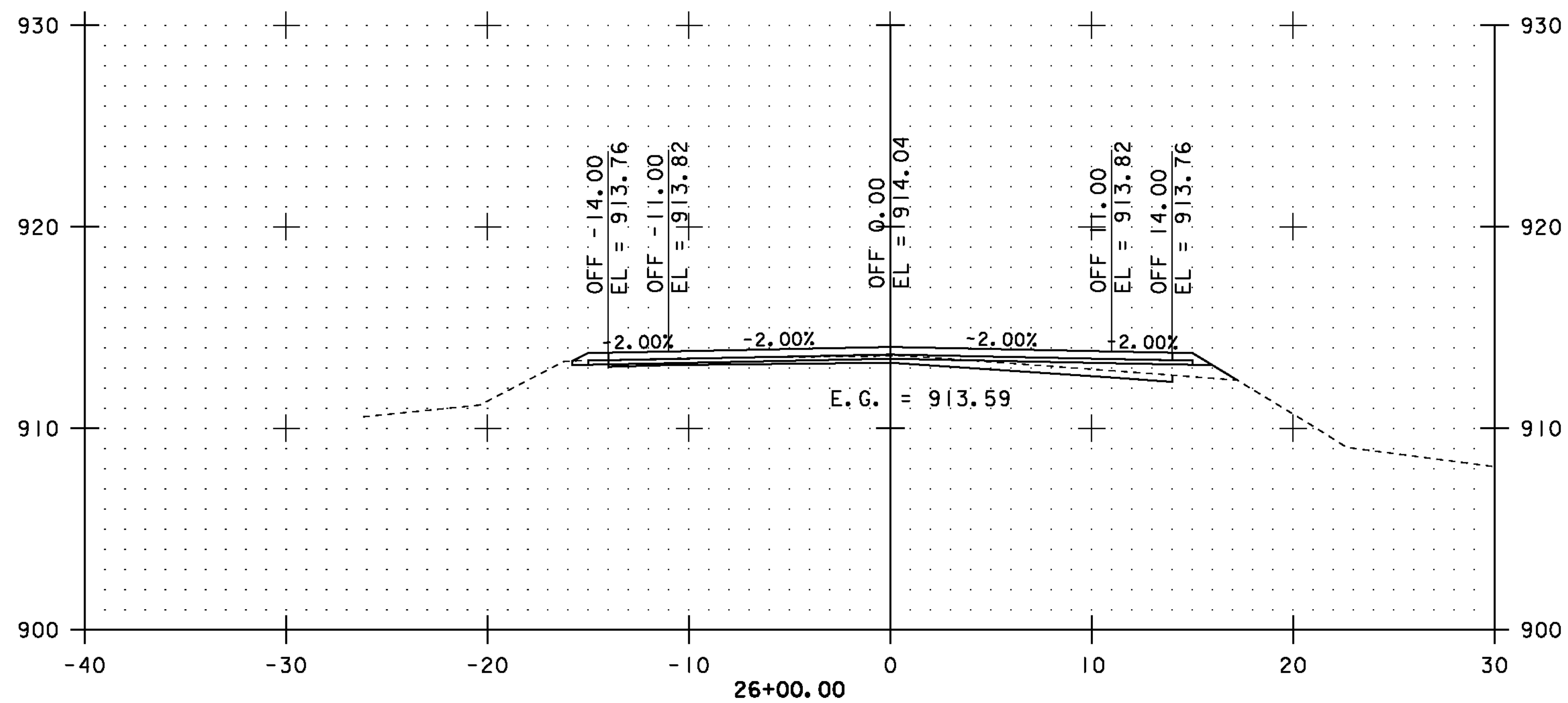
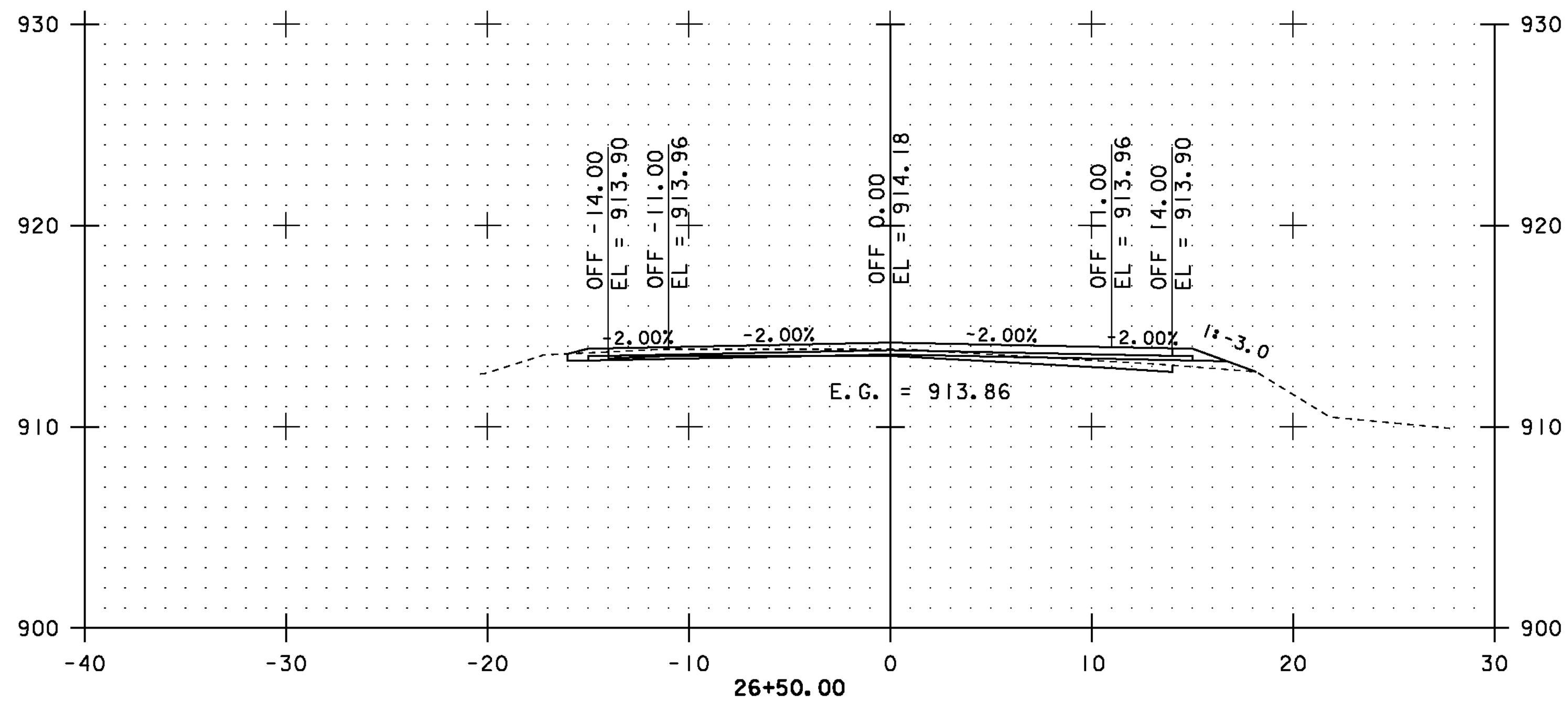
IPARM FILE: p01c052xss10.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 60 OF 107



STA. 26+00.00 TO STA. 28+00.00

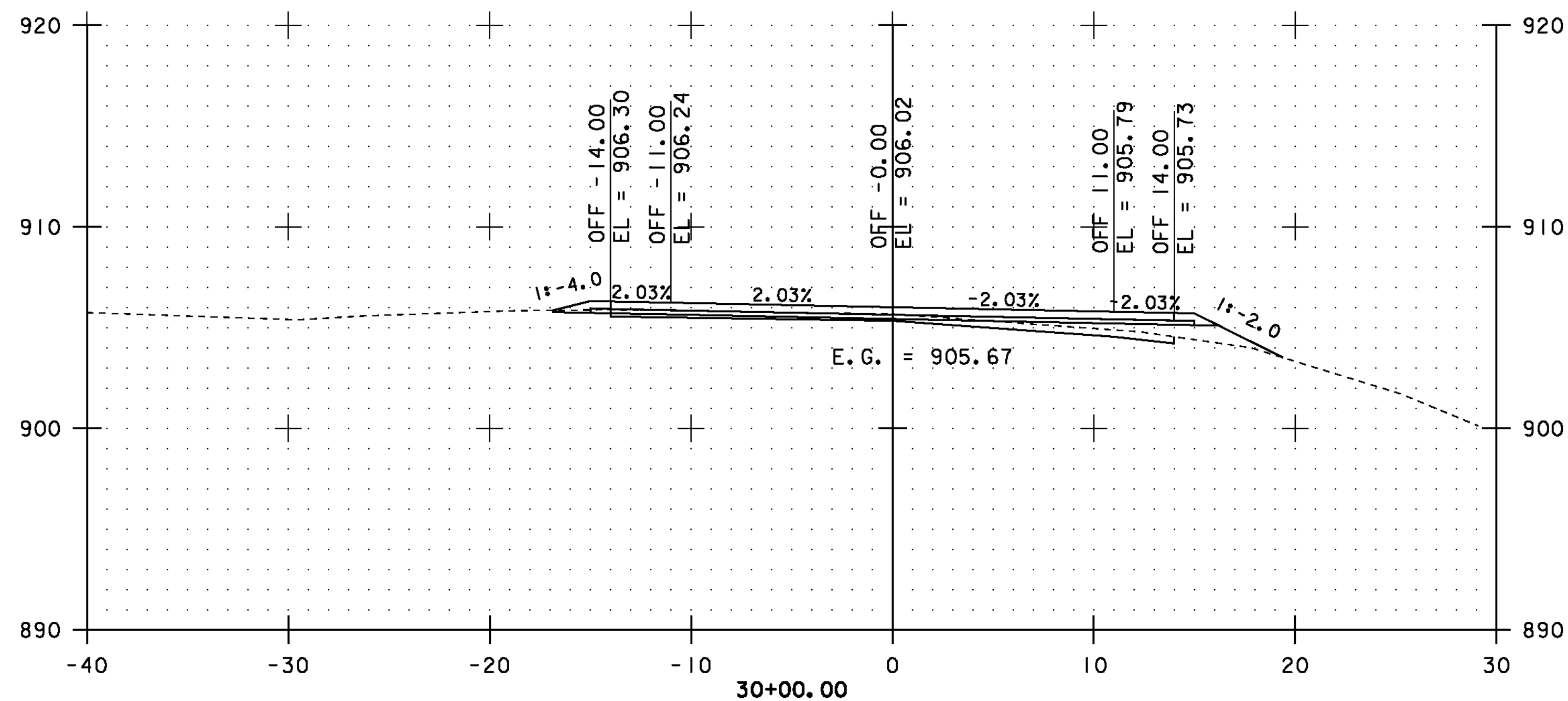
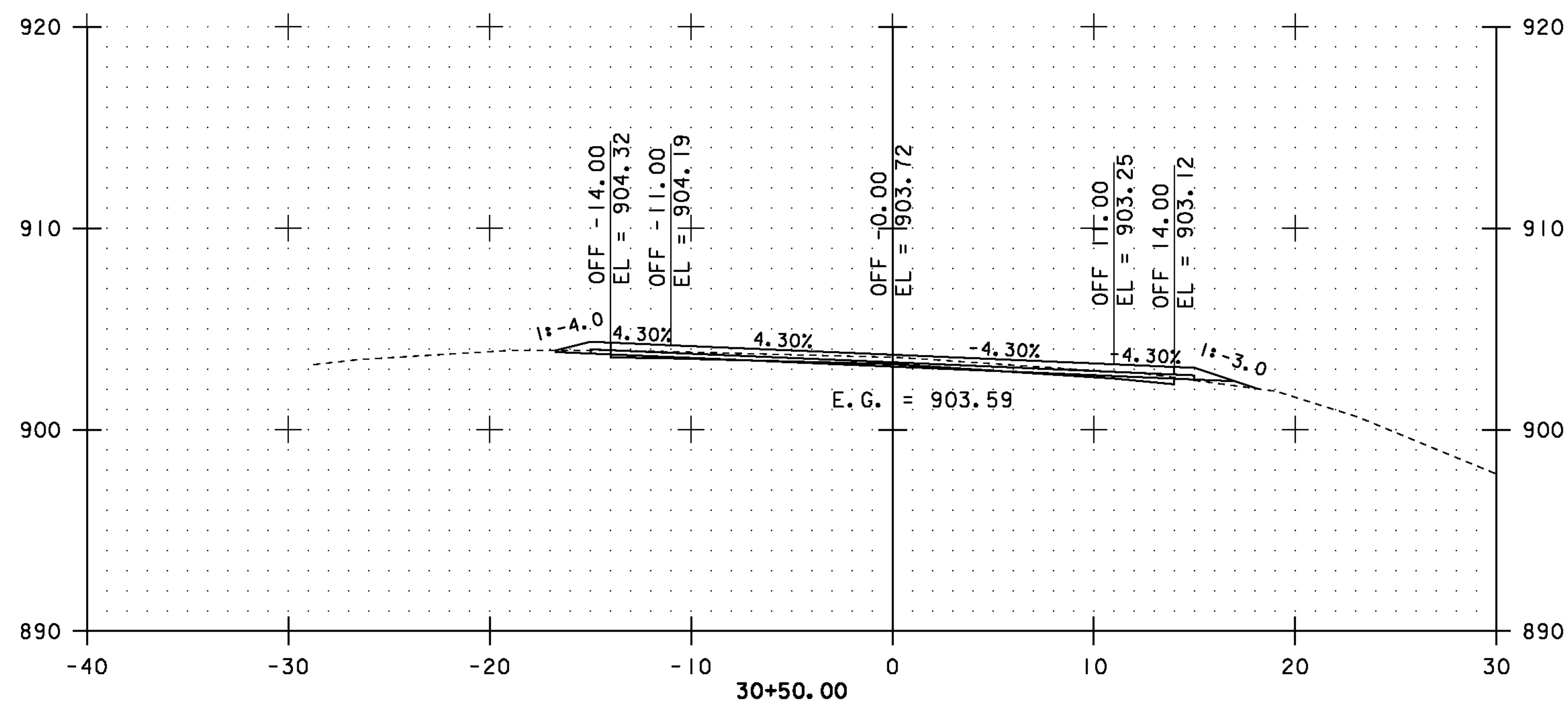
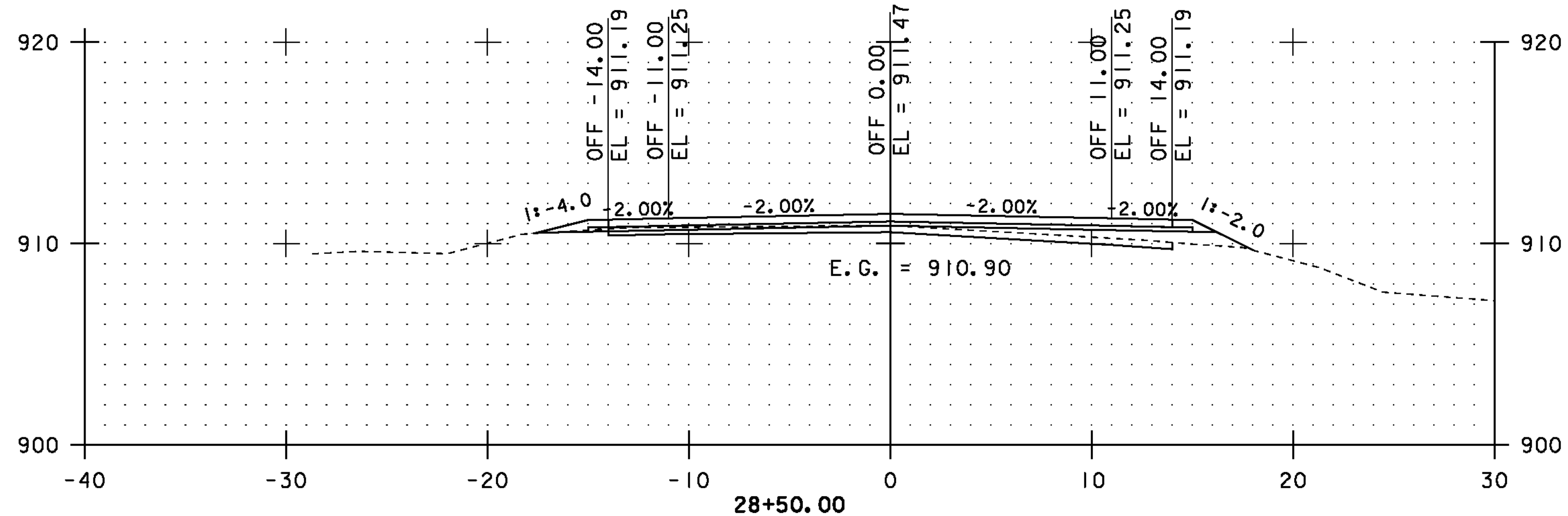
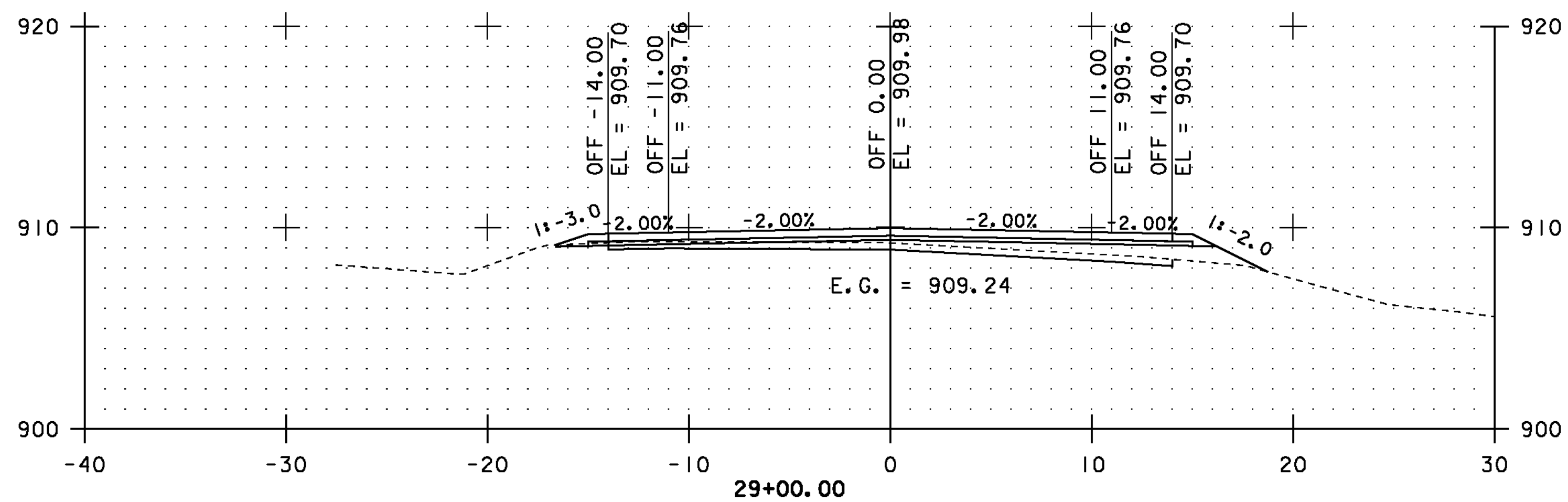
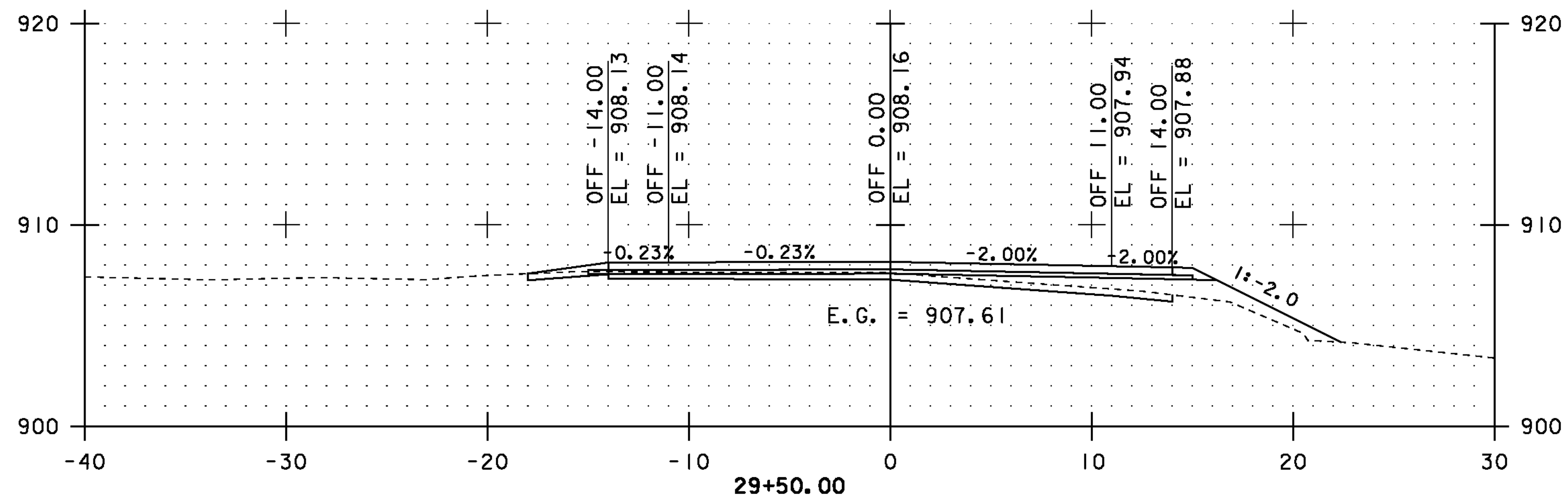


CROSS SECTIONS SHEET #11

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052.xss11.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 61 OF 107



STA. 28+50.00 TO STA. 30+50.00

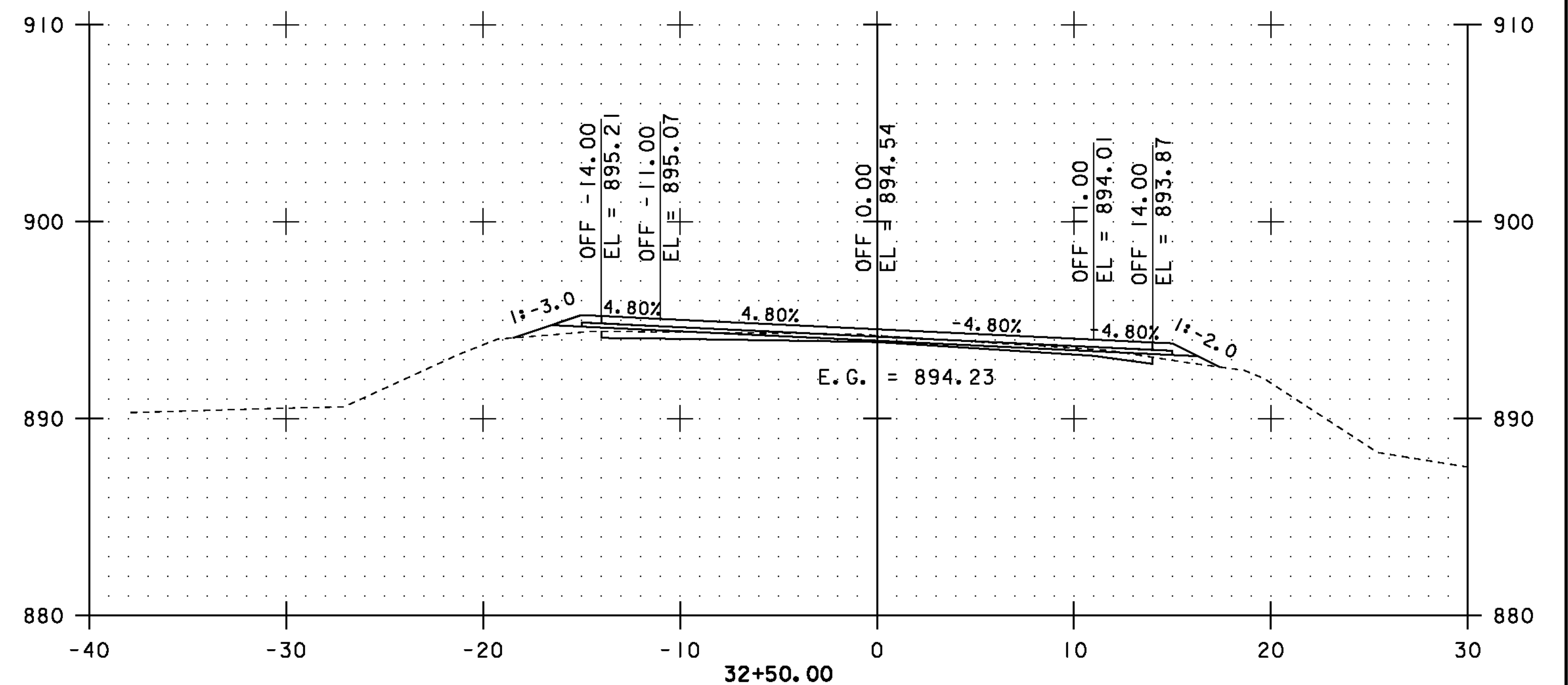
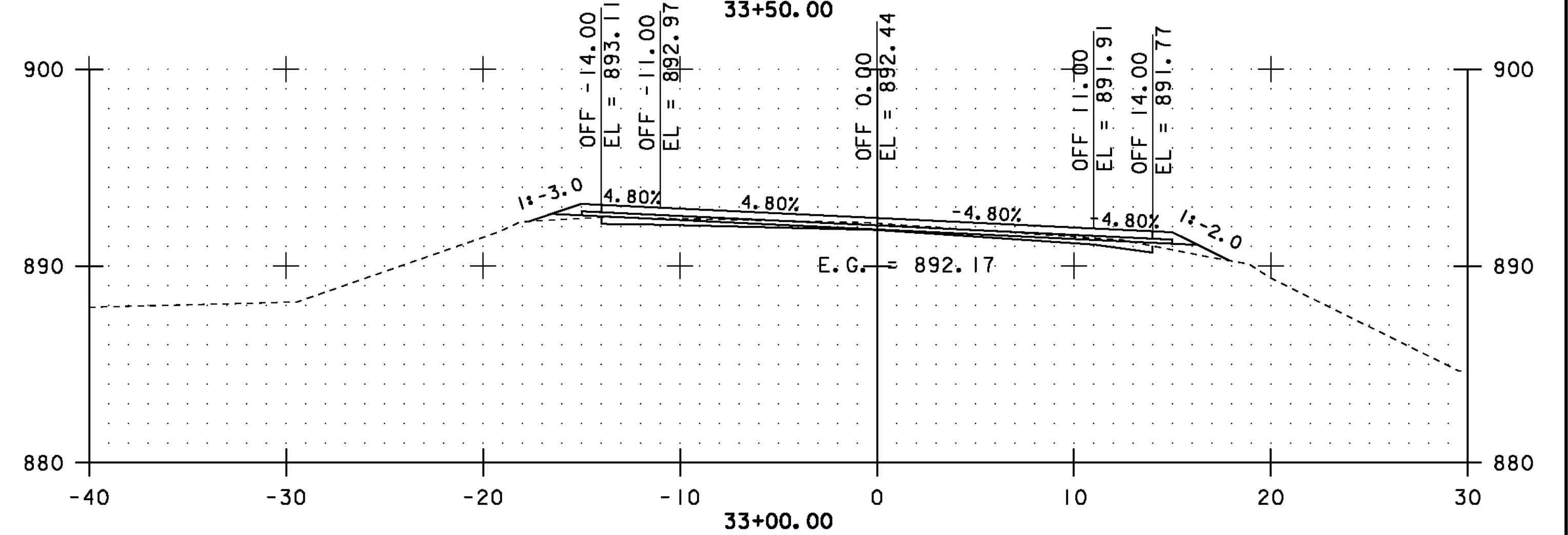
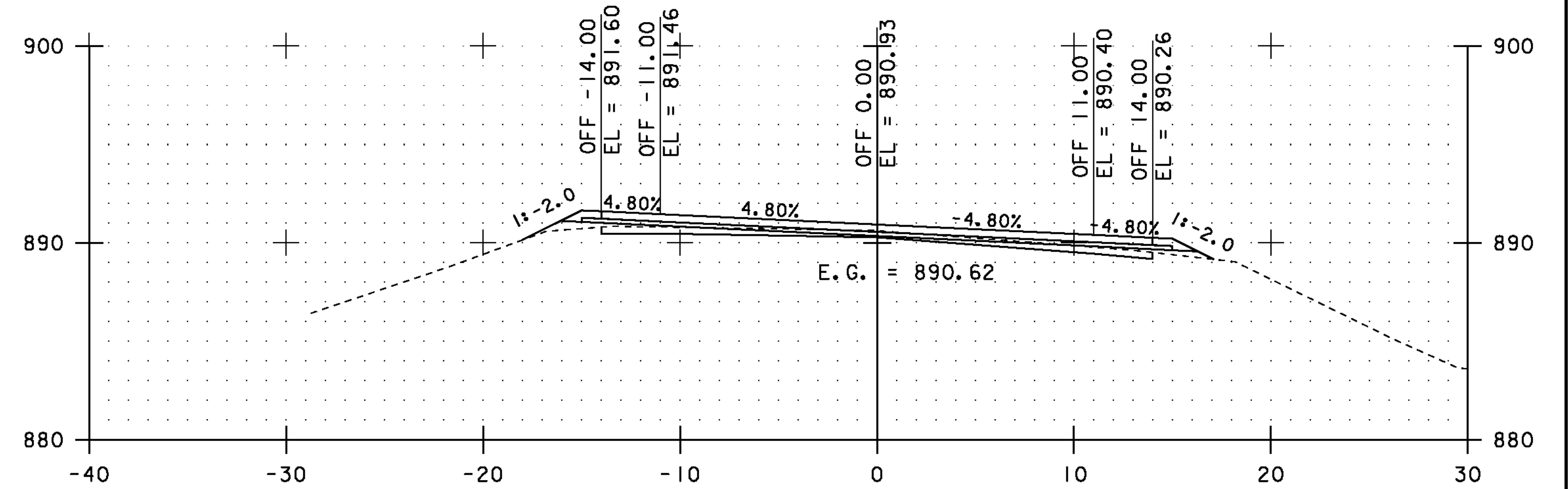
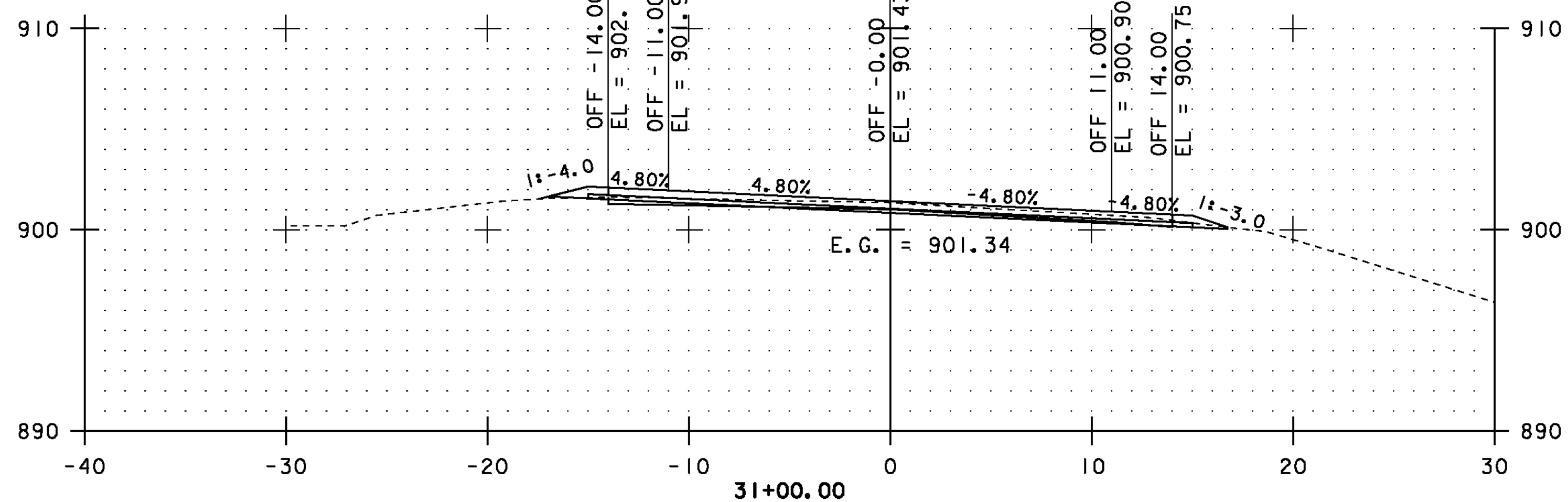
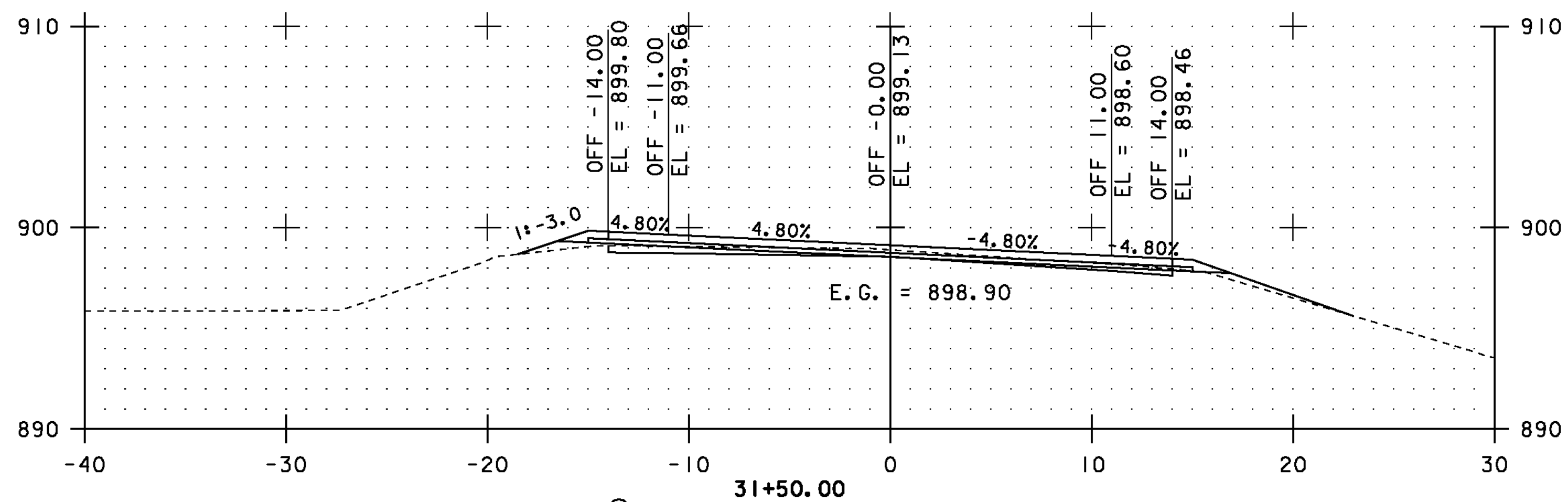
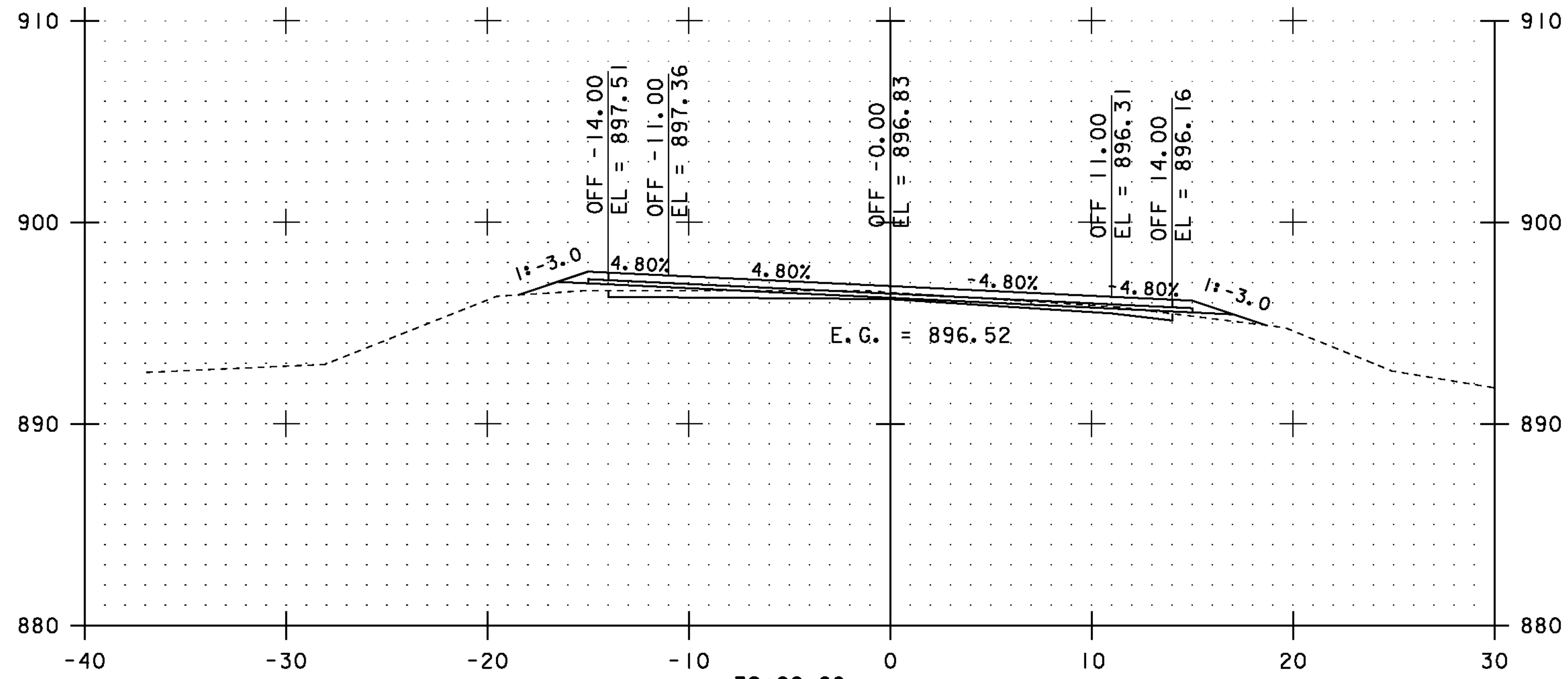


CROSS SECTIONS SHEET #12

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss12.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 62 OF 107



STA. 31+00.00 TO STA. 33+50.00

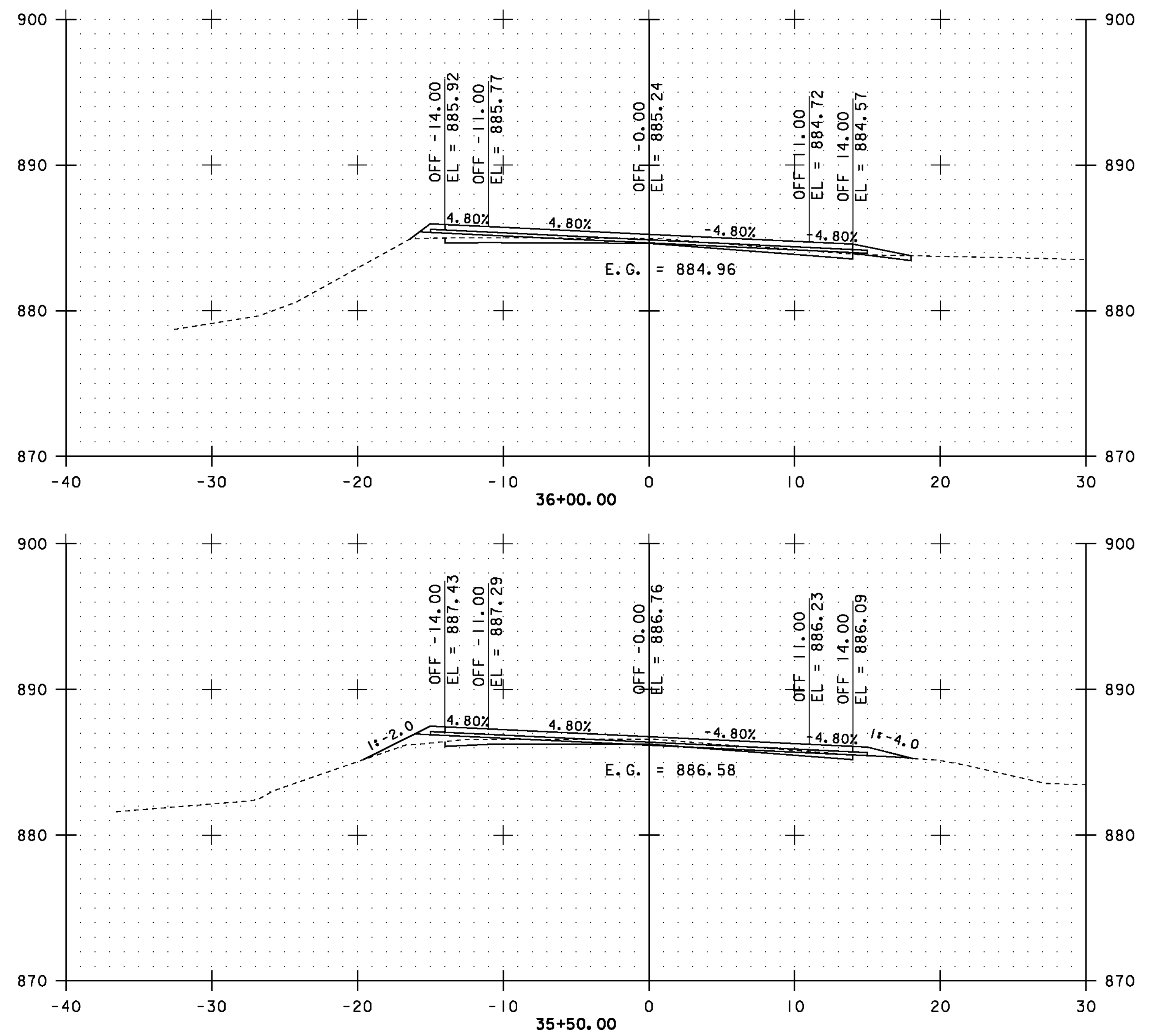
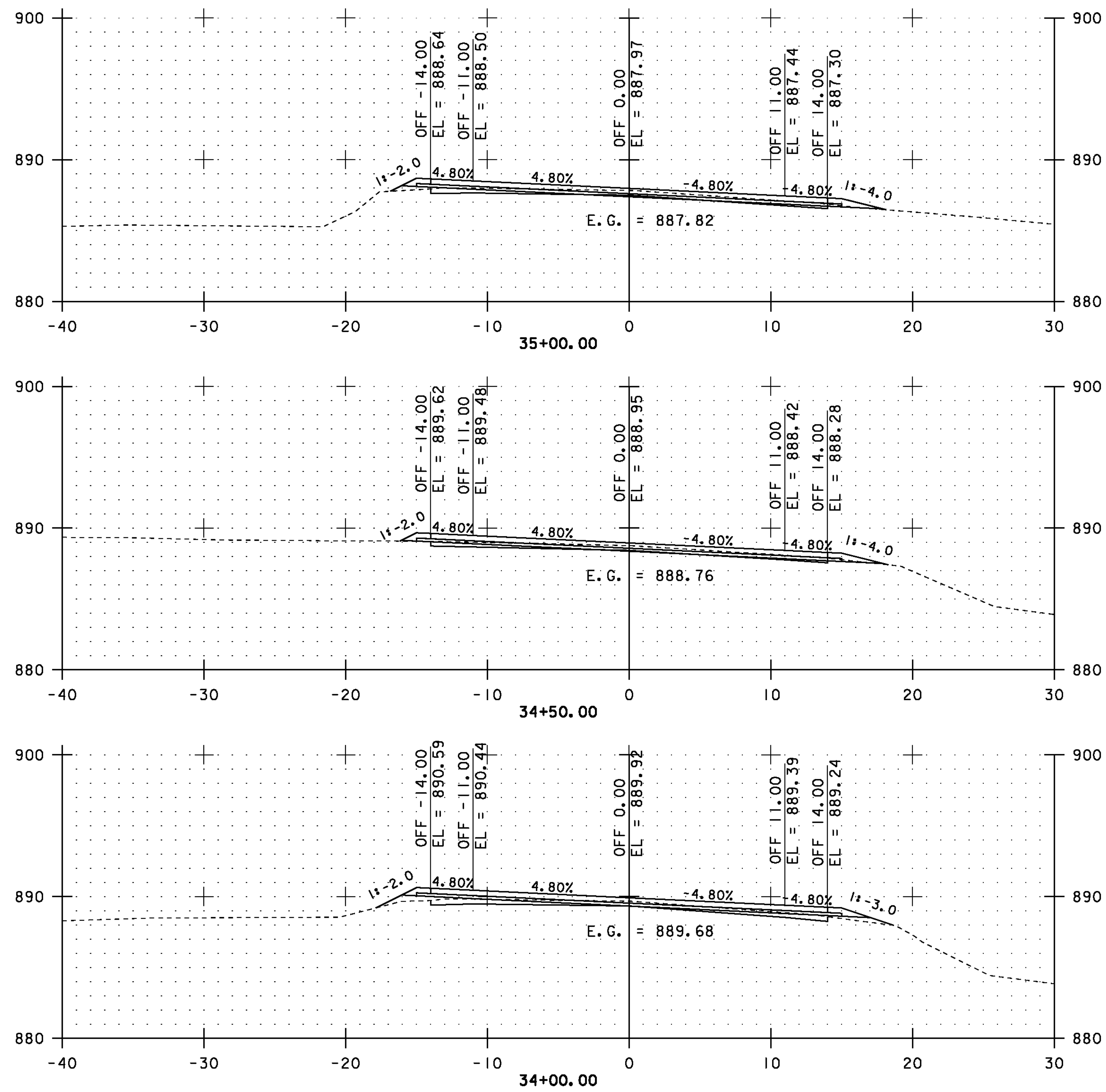


CROSS SECTIONS SHEET #13

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss13.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 63 OF 107



STA. 34+00.00 TO STA. 36+00.00

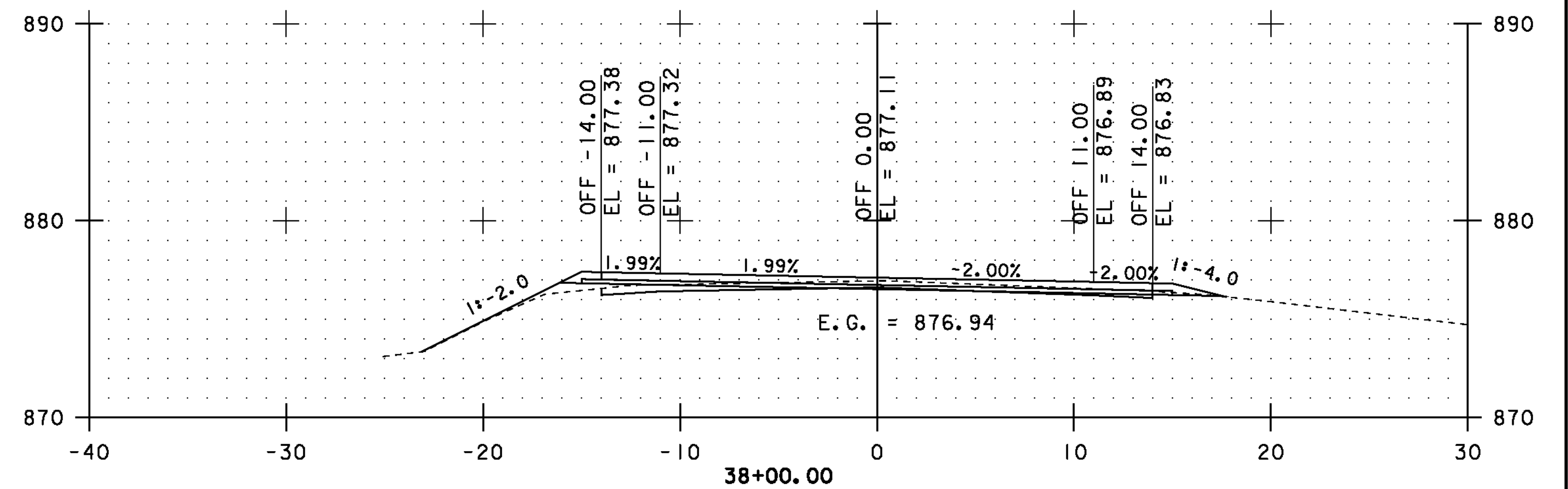
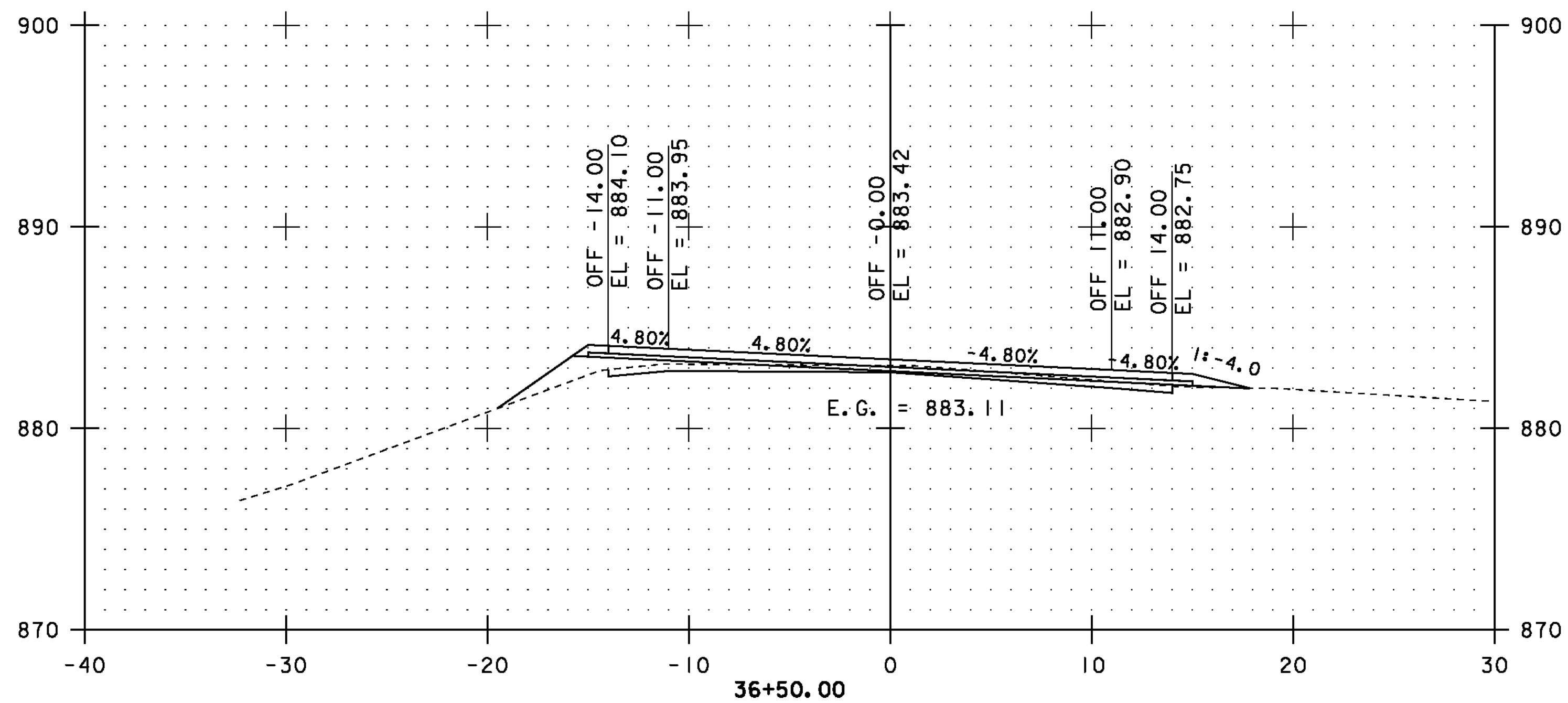
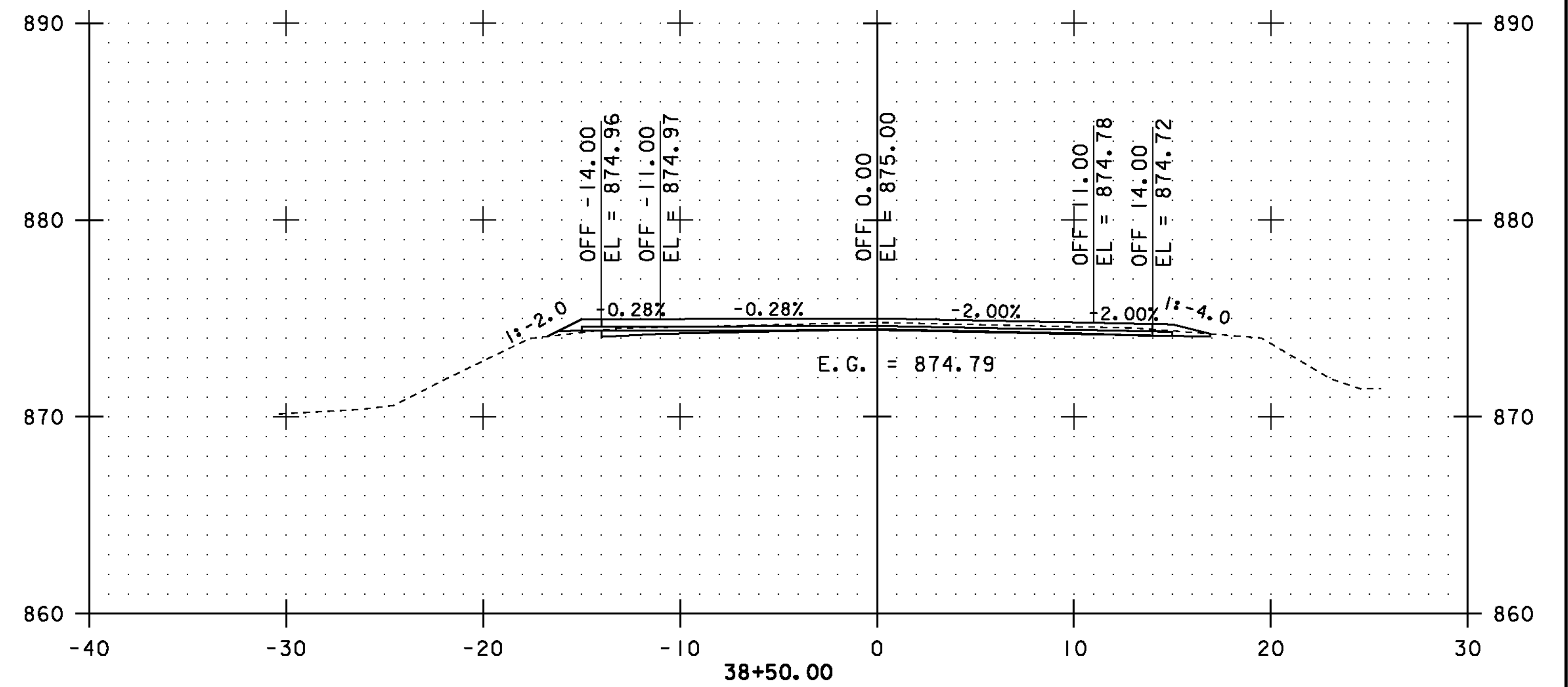
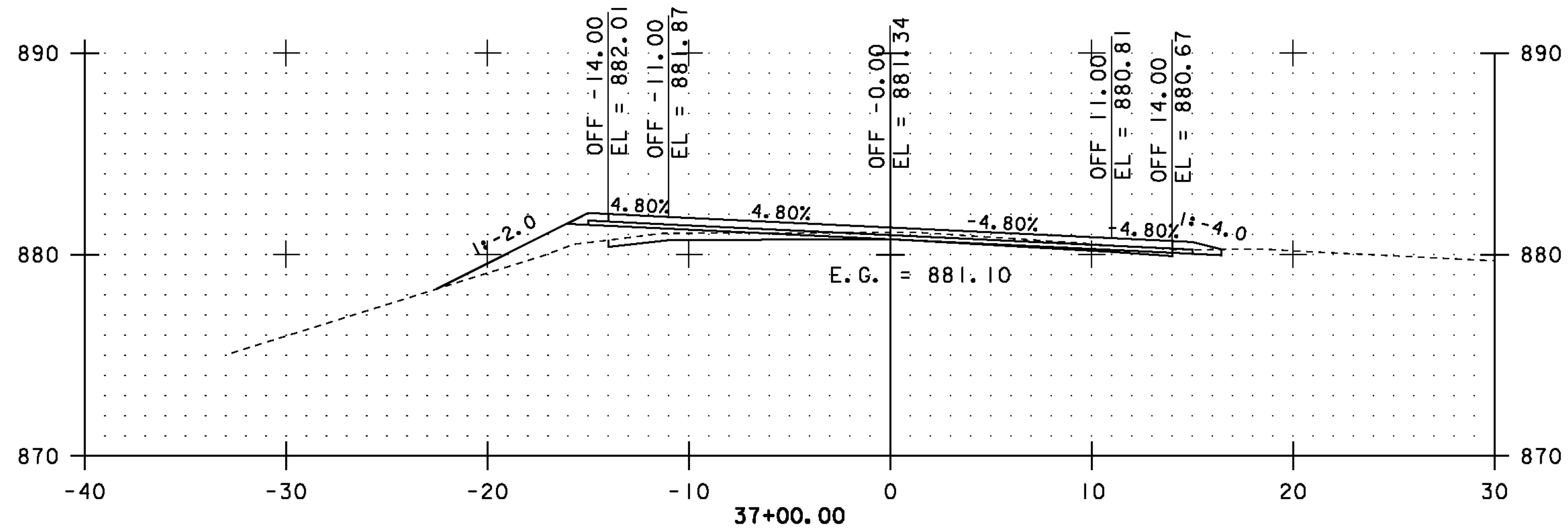
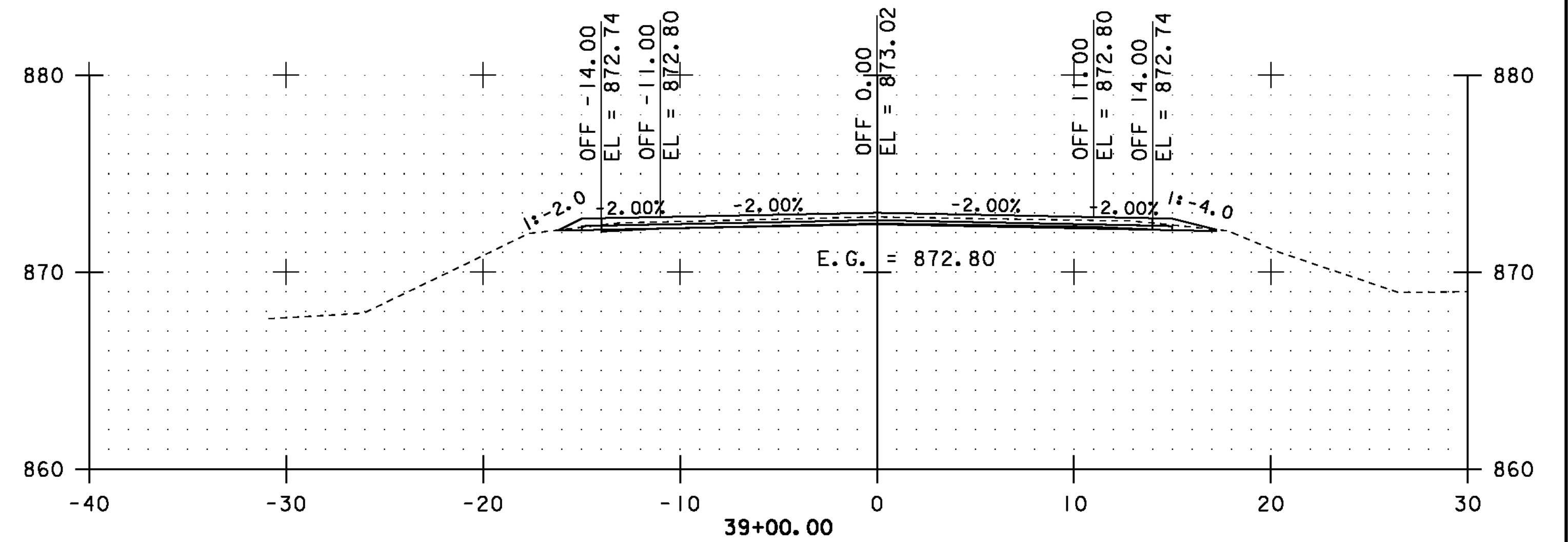
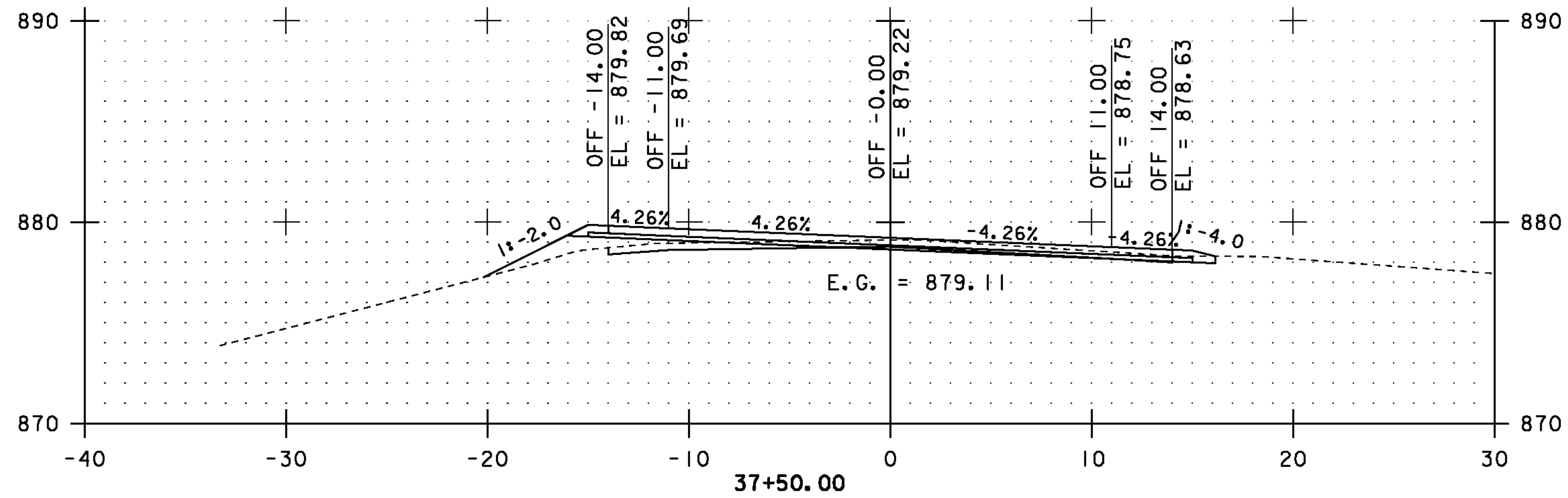


CROSS SECTIONS SHEET #14

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss14.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 64 OF 107



STA. 36+50.00 TO STA. 39+00.00

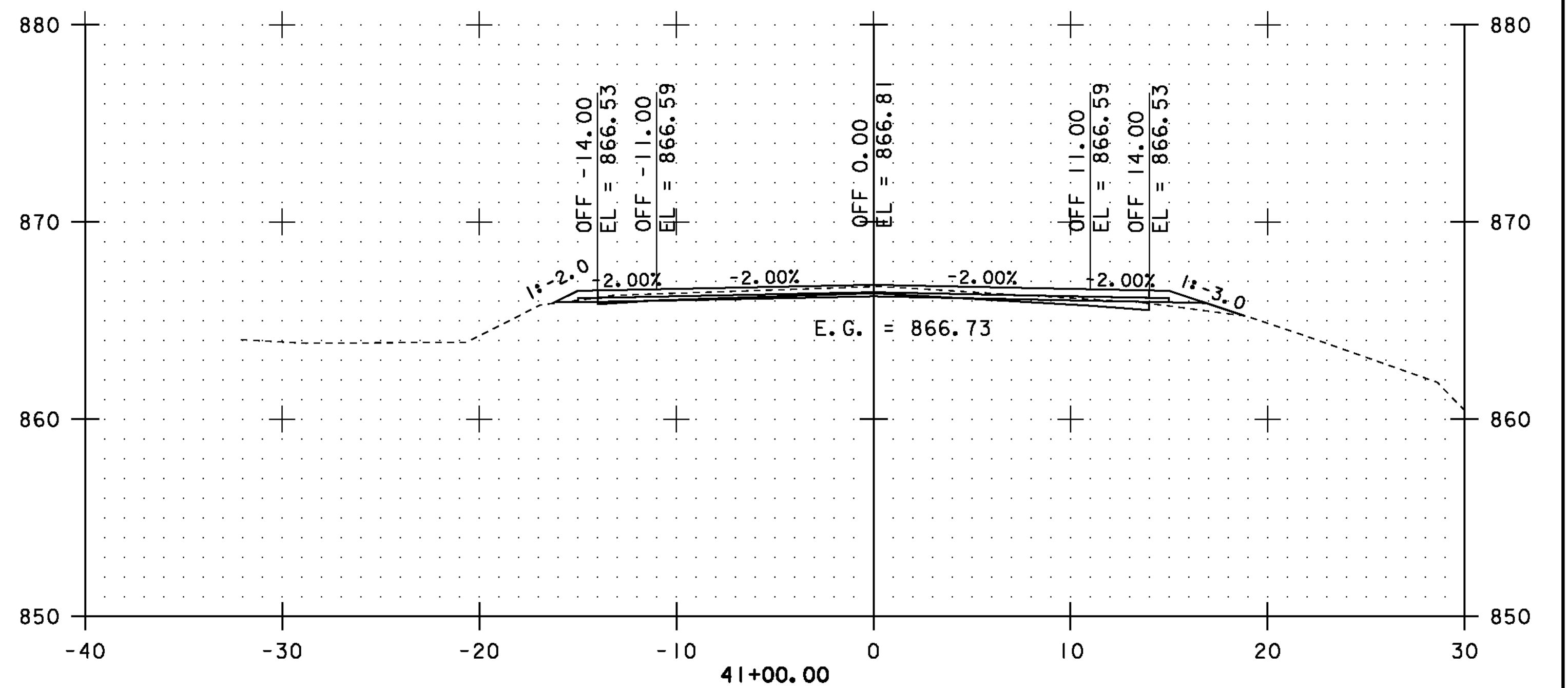
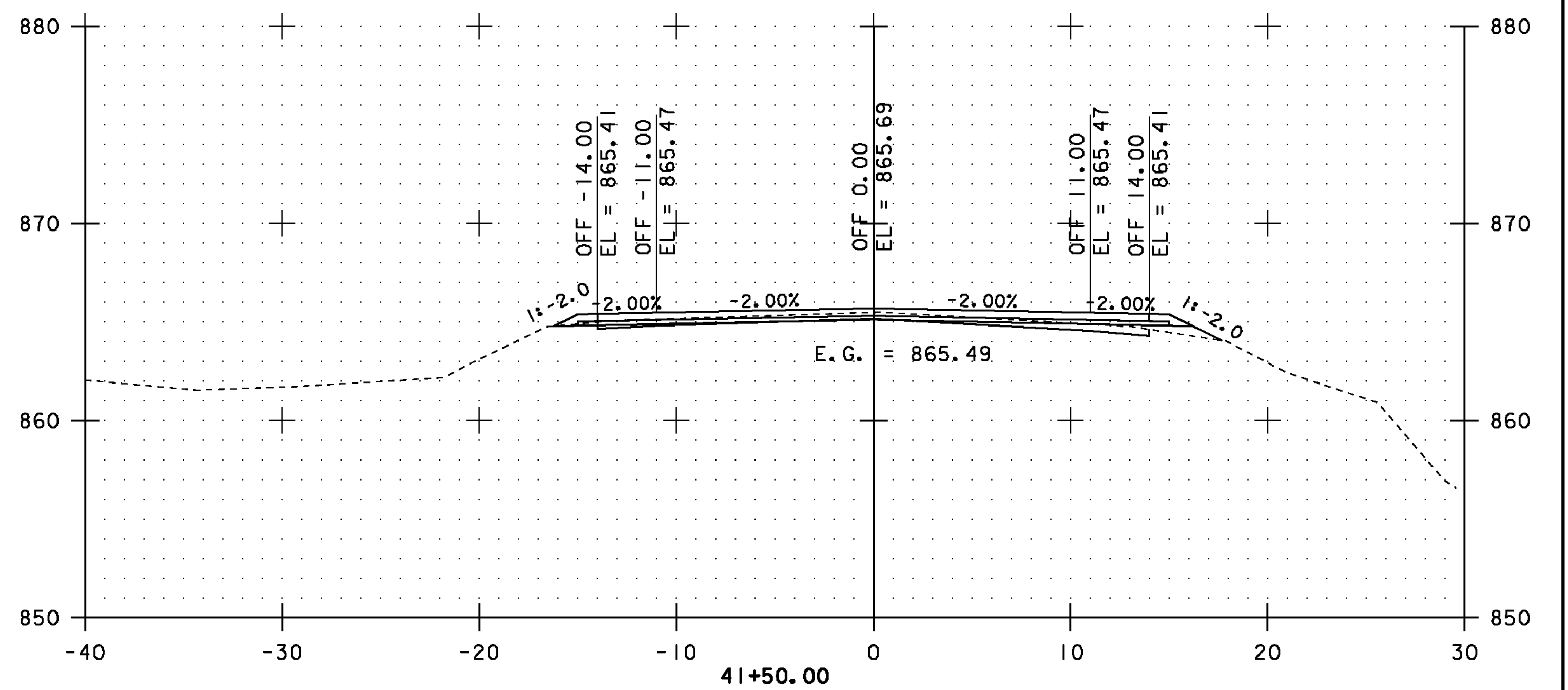
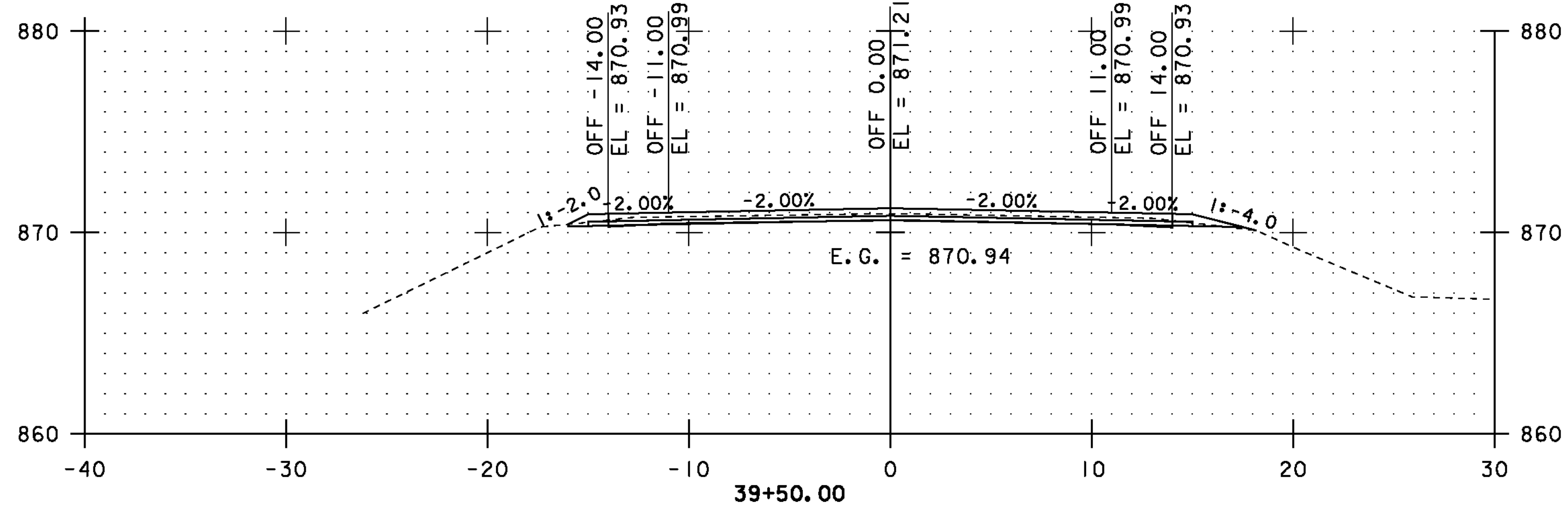
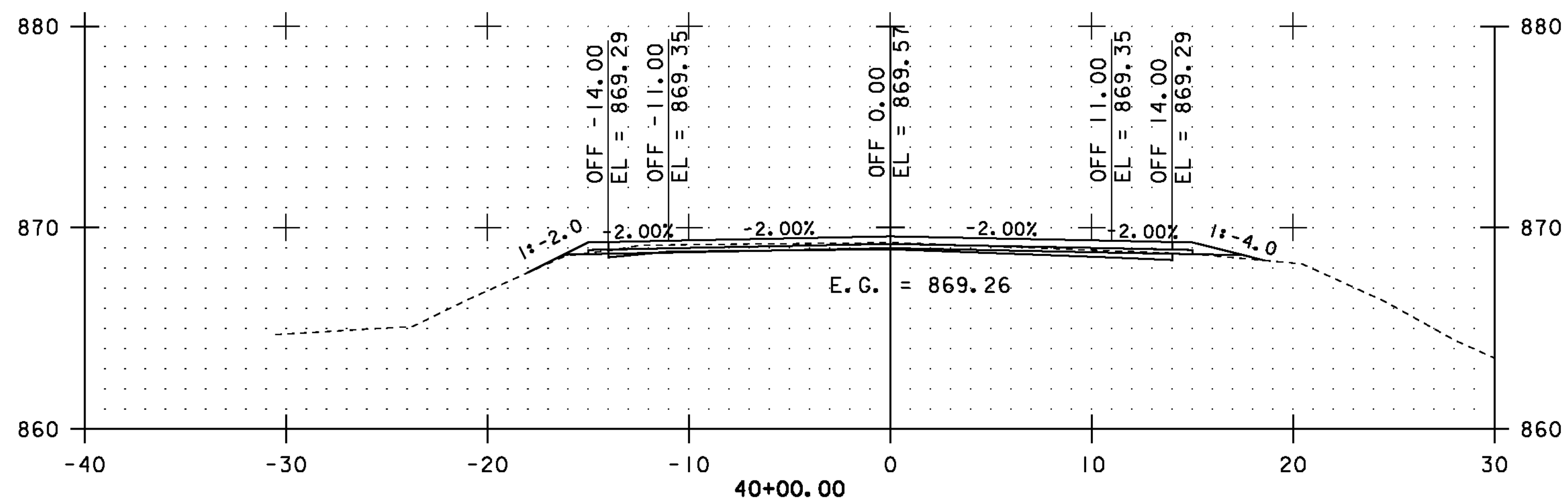
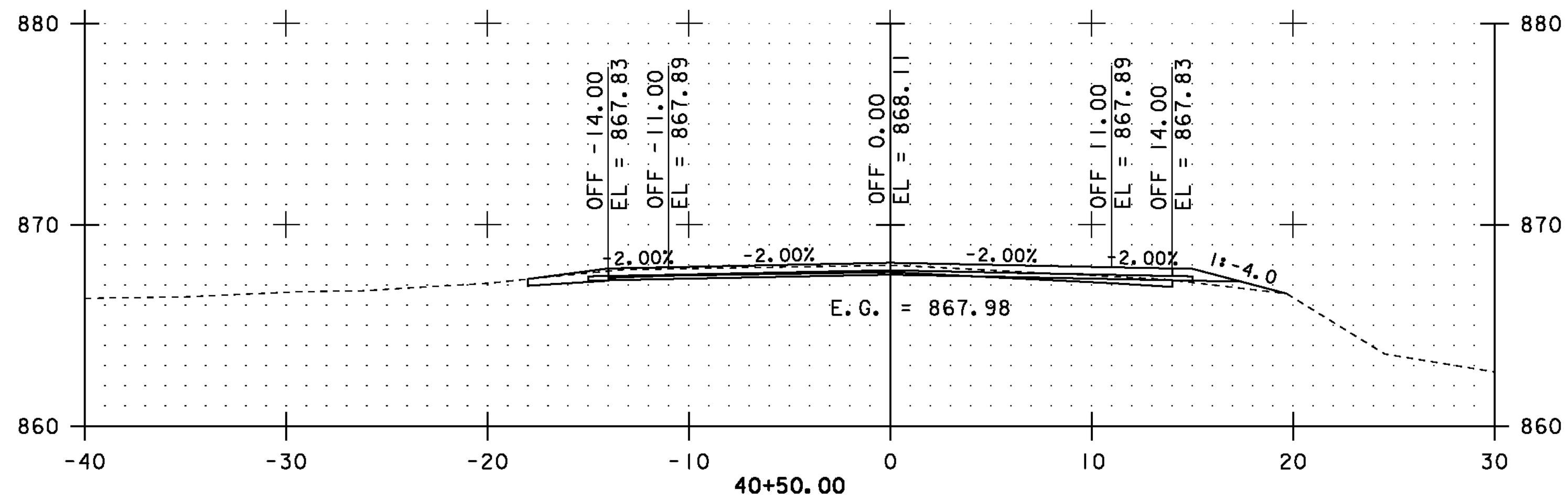


CROSS SECTIONS SHEET #15

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss15.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 65 OF 107

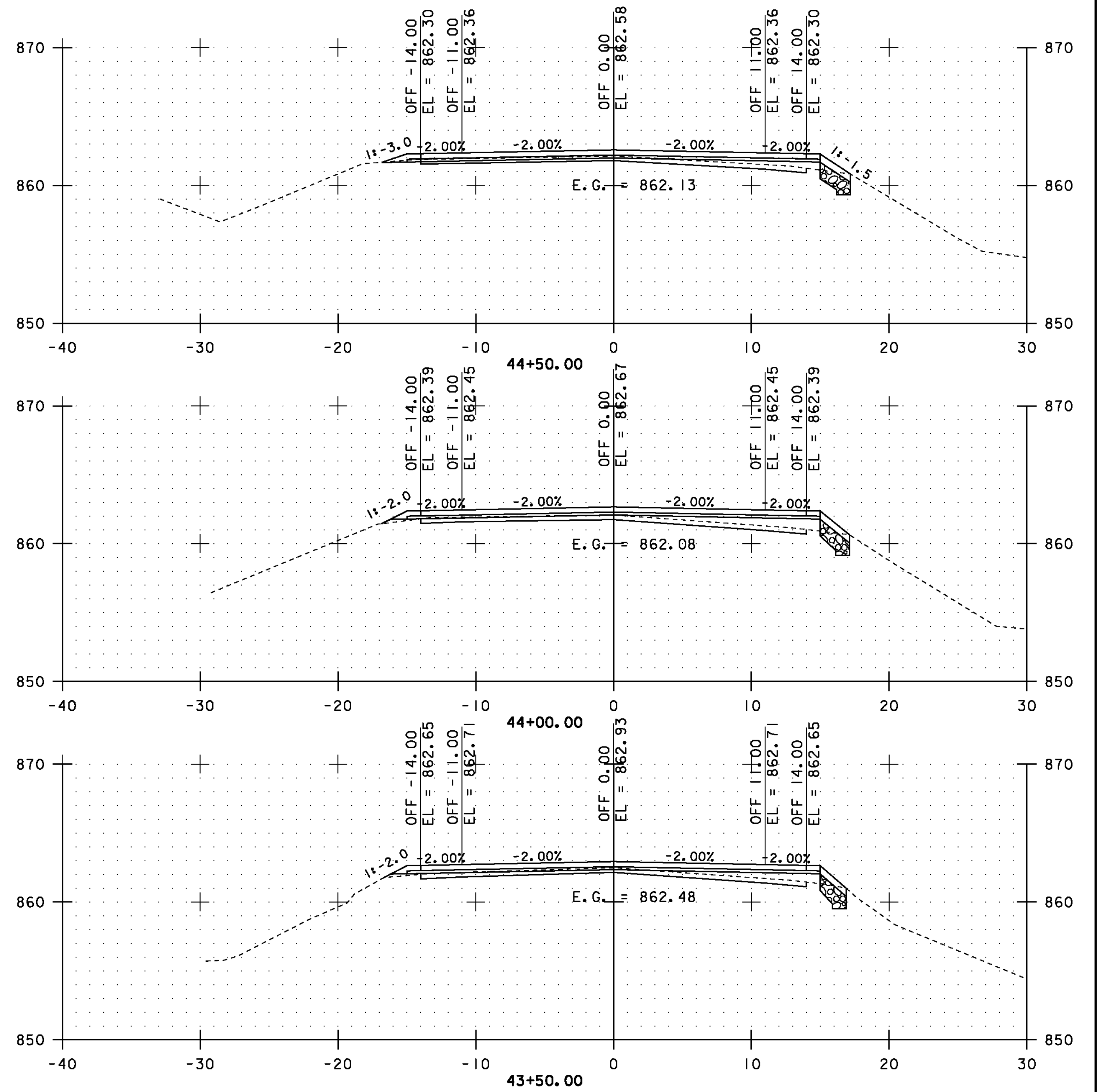
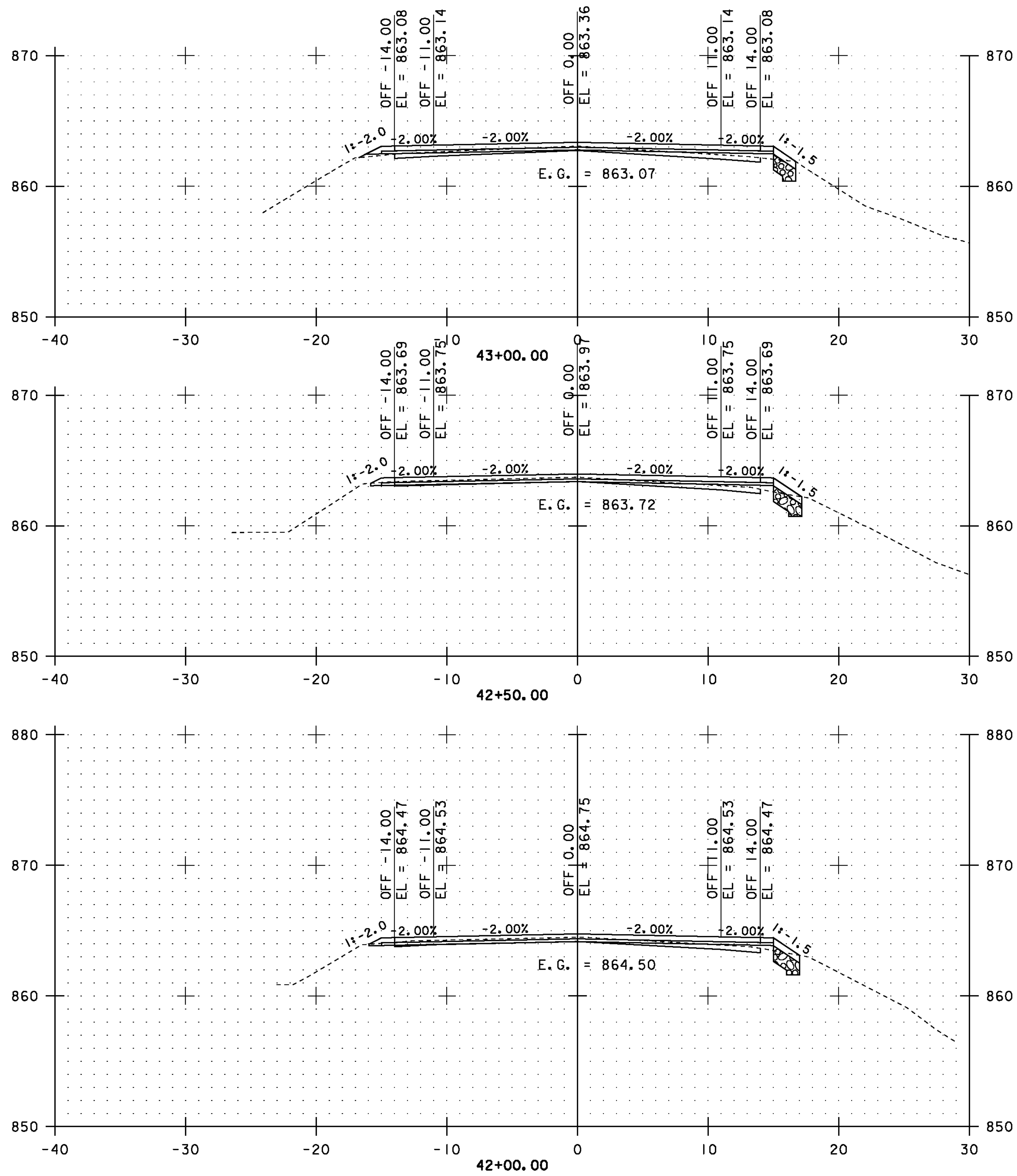


STA. 39+50.00 TO STA. 41+50.00



CROSS SECTIONS SHEET #16

PROJECT NAME: COVENTRY-NEWPORT CITY	
PROJECT NUMBER: STP 2308(I)	
FILE NAME: p01c052.dgn	PLOT DATE: 18-MAY-2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p01c052xss16.i	SHEET 66 OF 107



STA. 42+00.00 TO STA. 44+50.00

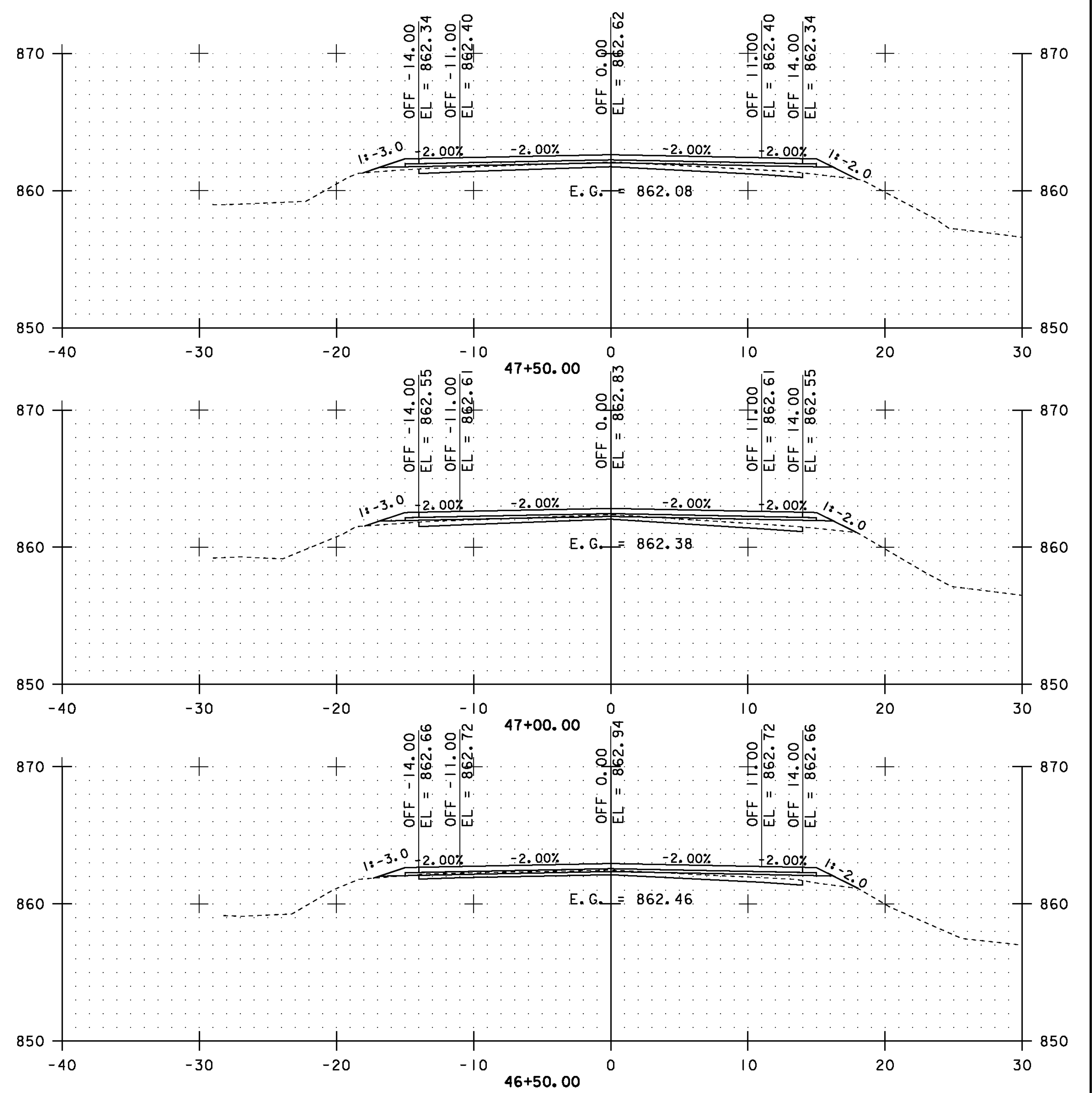
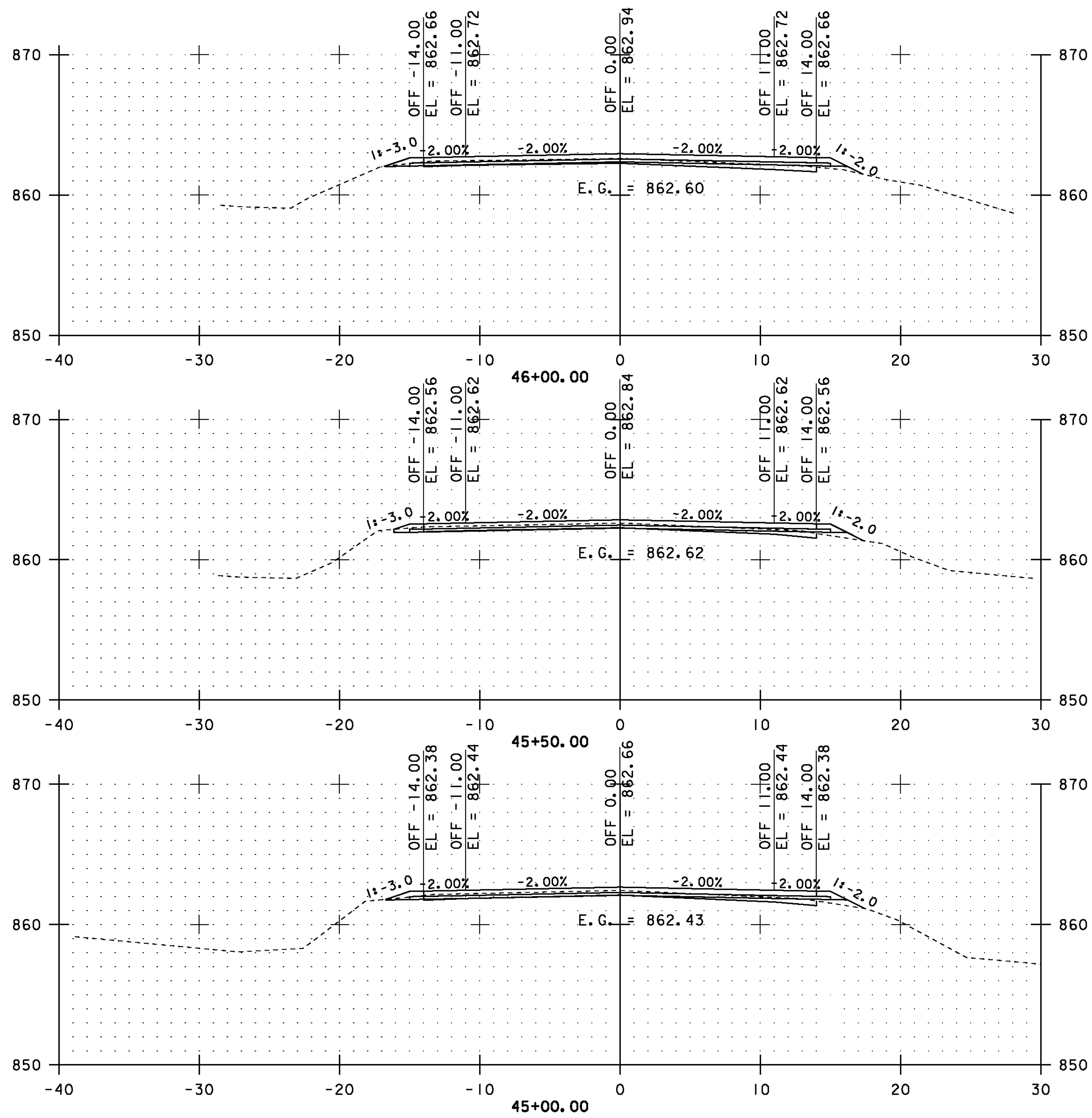


CROSS SECTIONS SHEET #17

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss17.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 67 OF 107



STA. 45+00.00 TO STA. 47+50.00

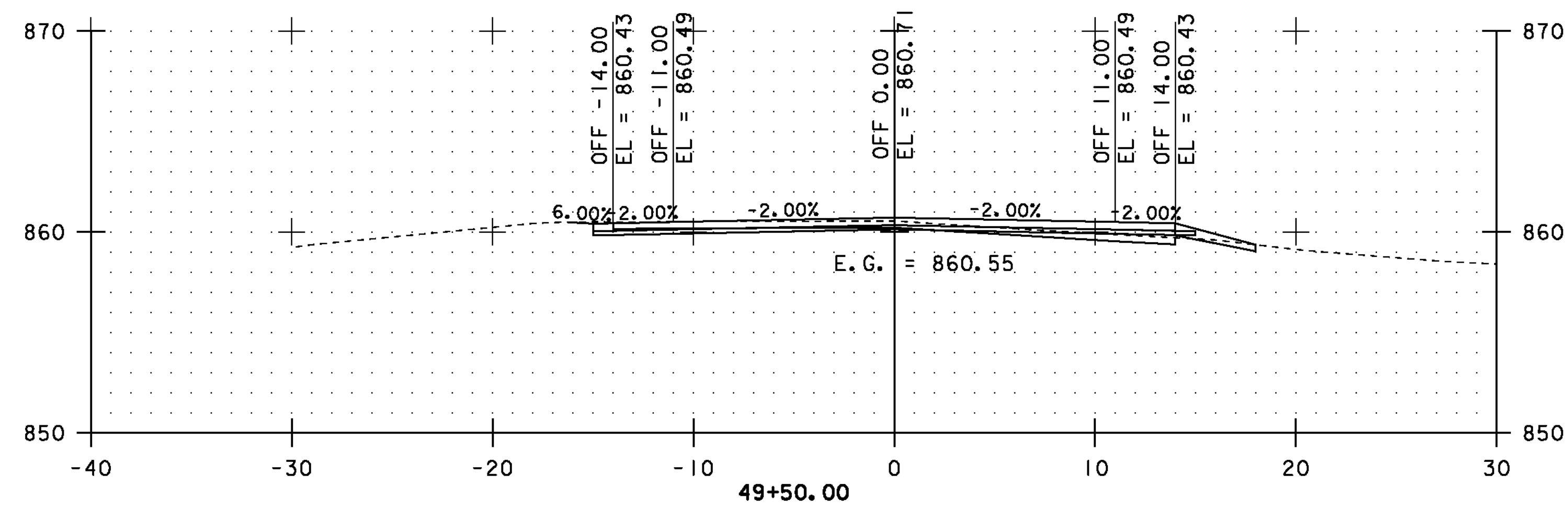
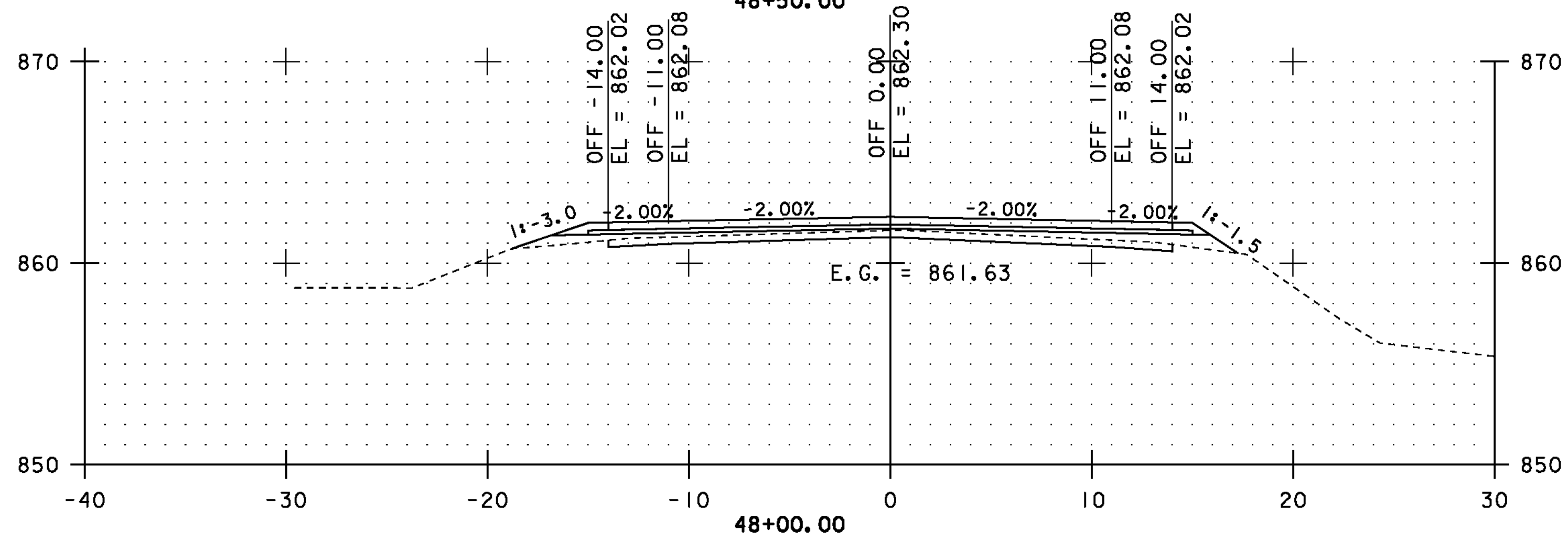
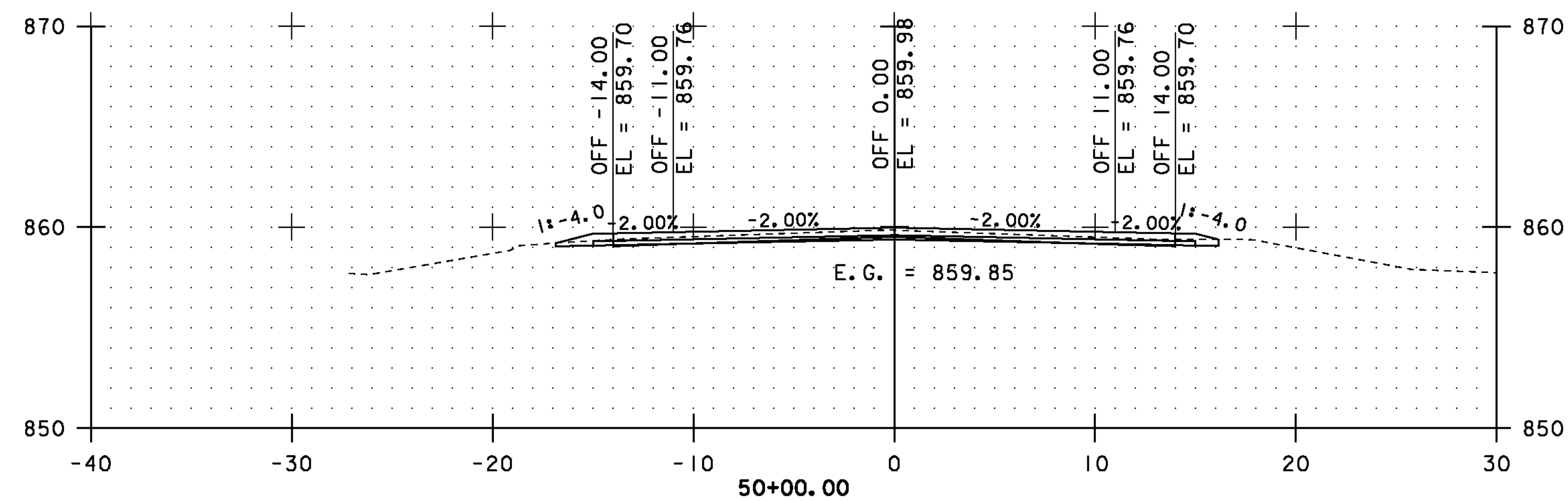
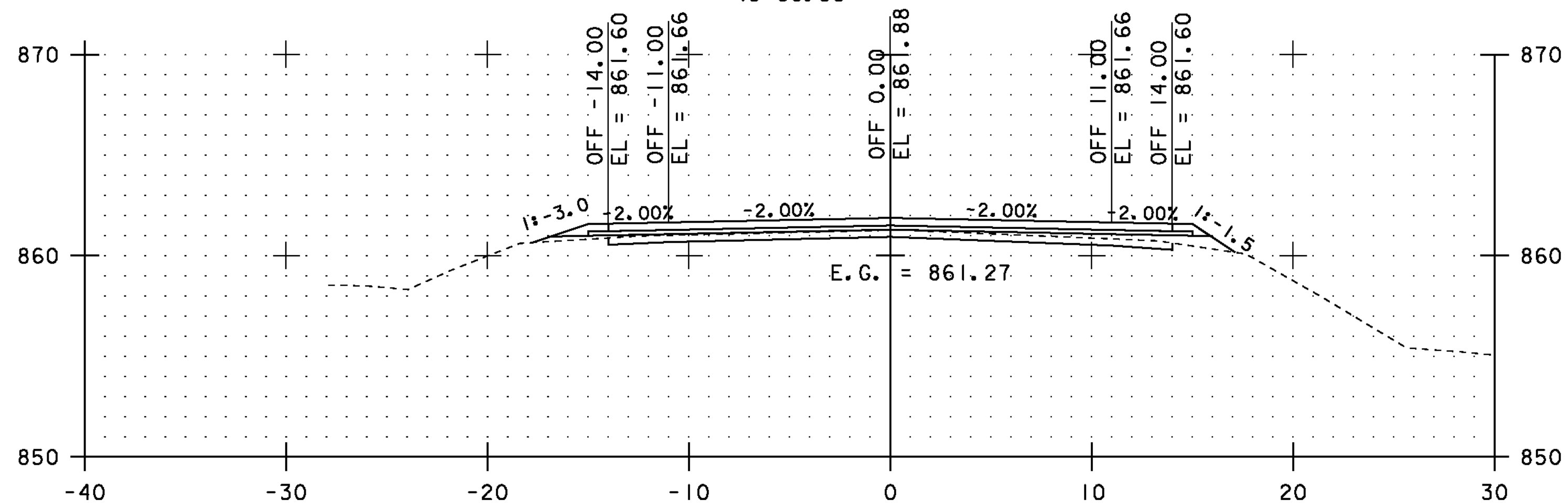
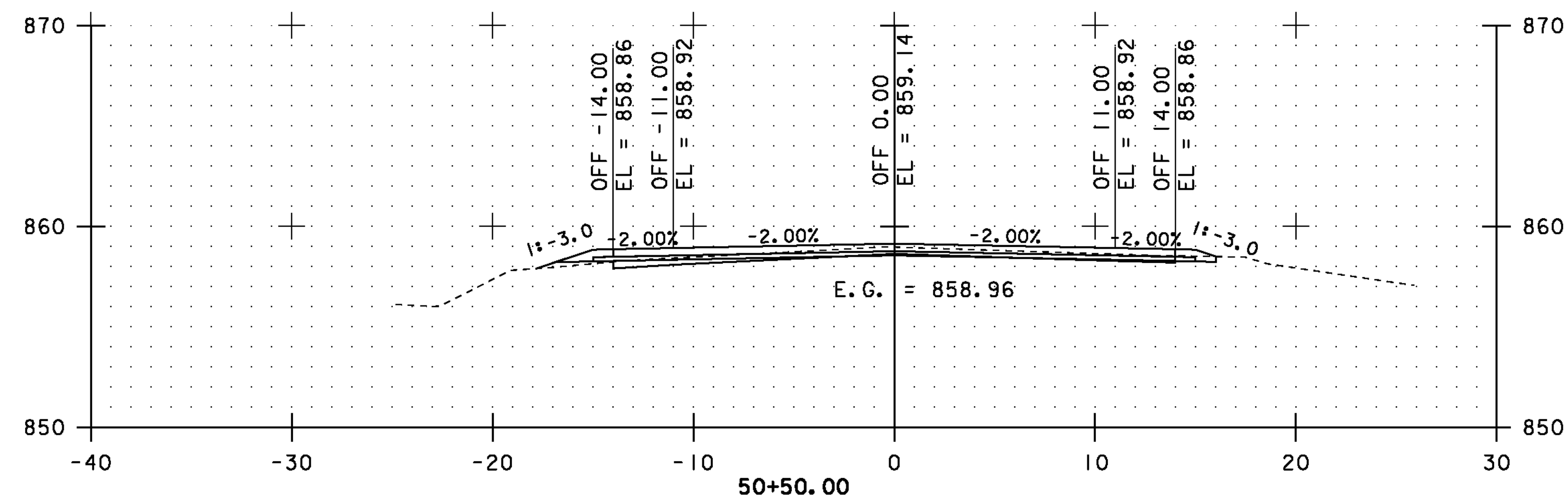
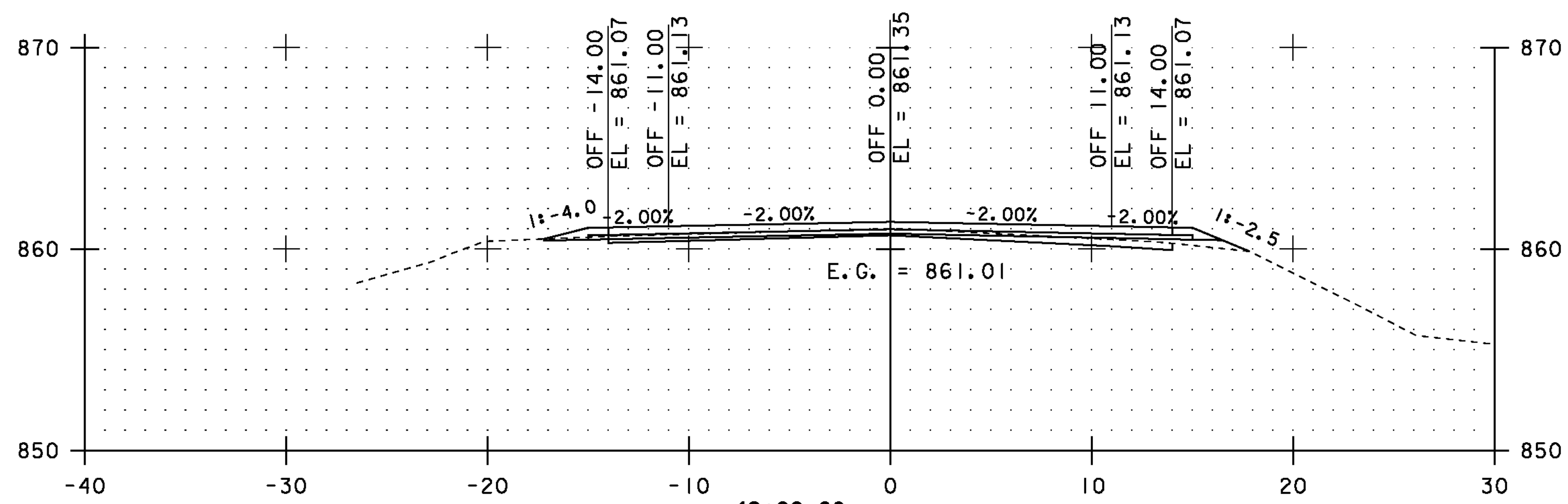


CROSS SECTIONS SHEET #18

PROJECT NAME: COVENTRY-NEWPORT CITY
 PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p01c052xss18.i

PLOT DATE: 18-MAY-2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 68 OF 107



STA. 48+00.00 TO STA. 50+50.00

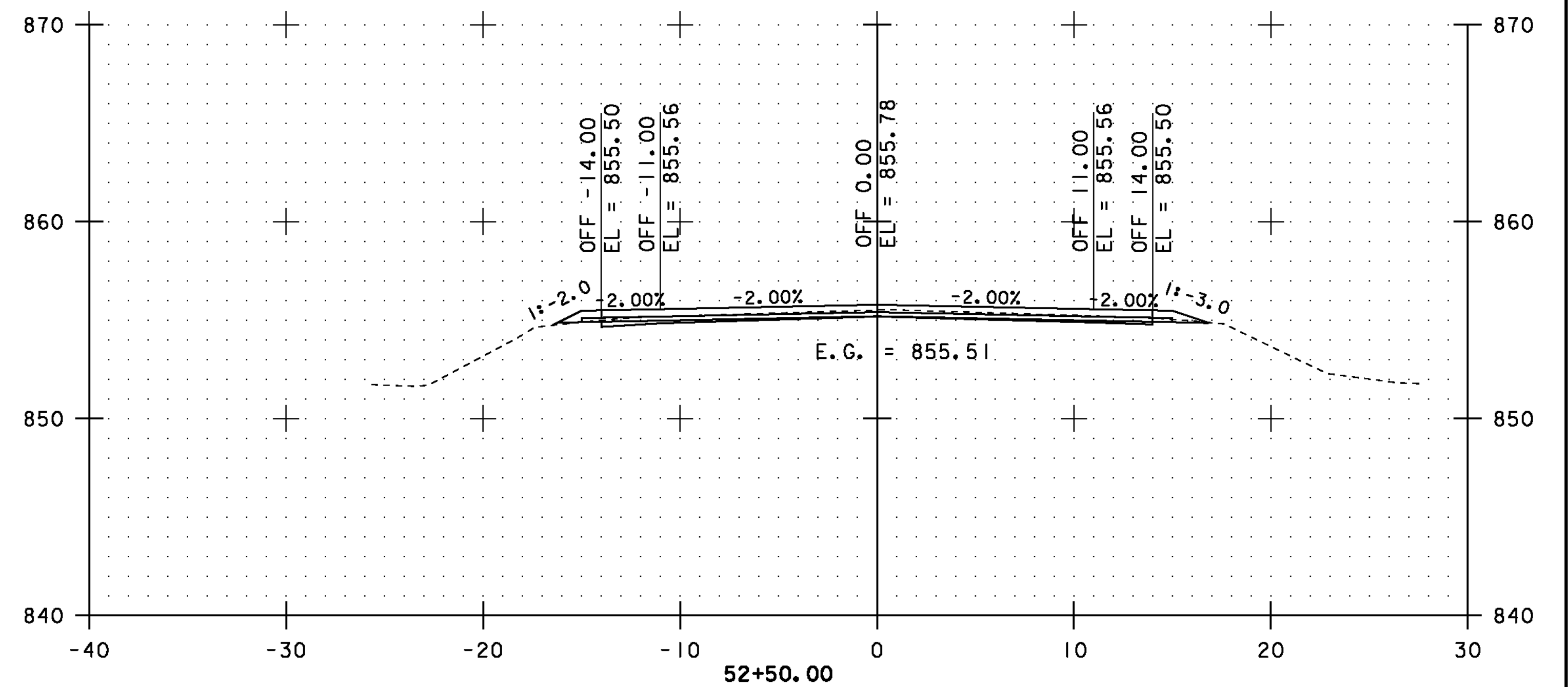
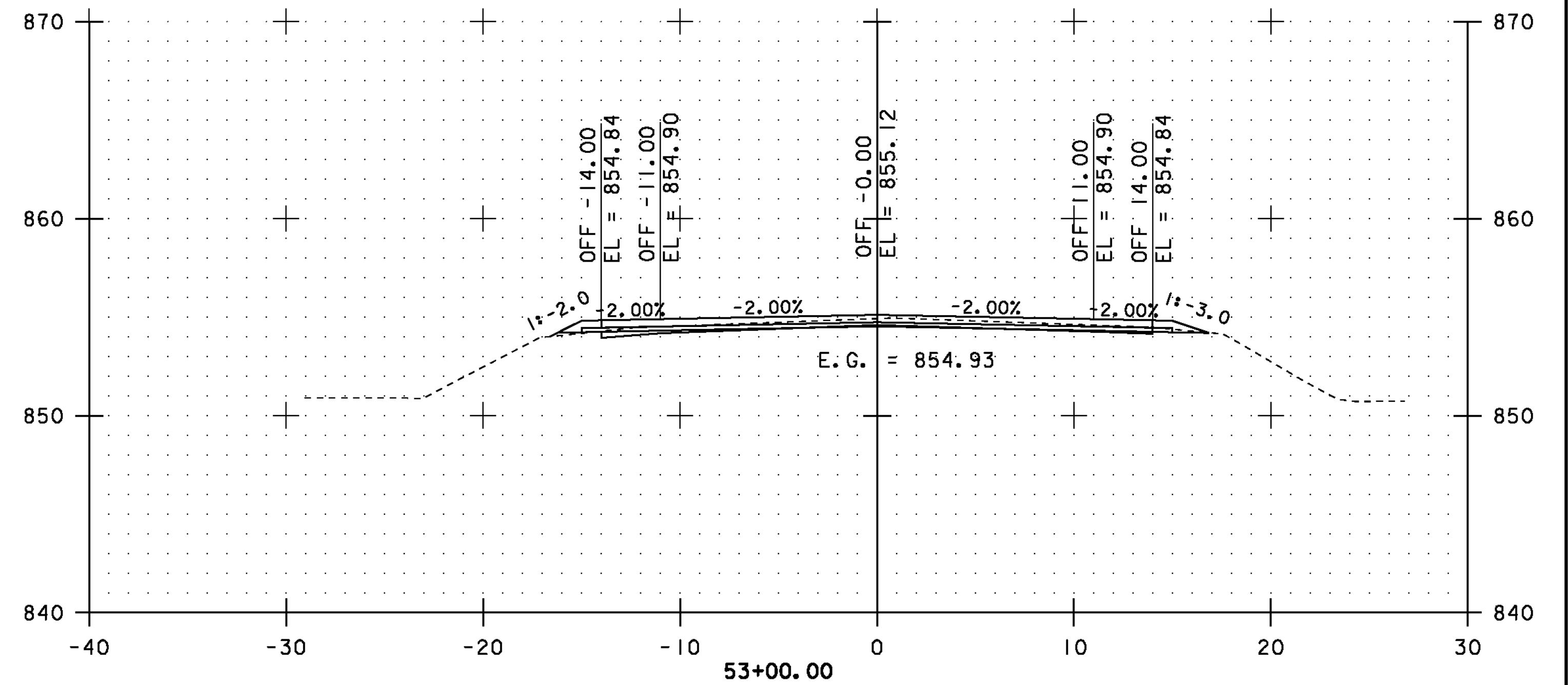
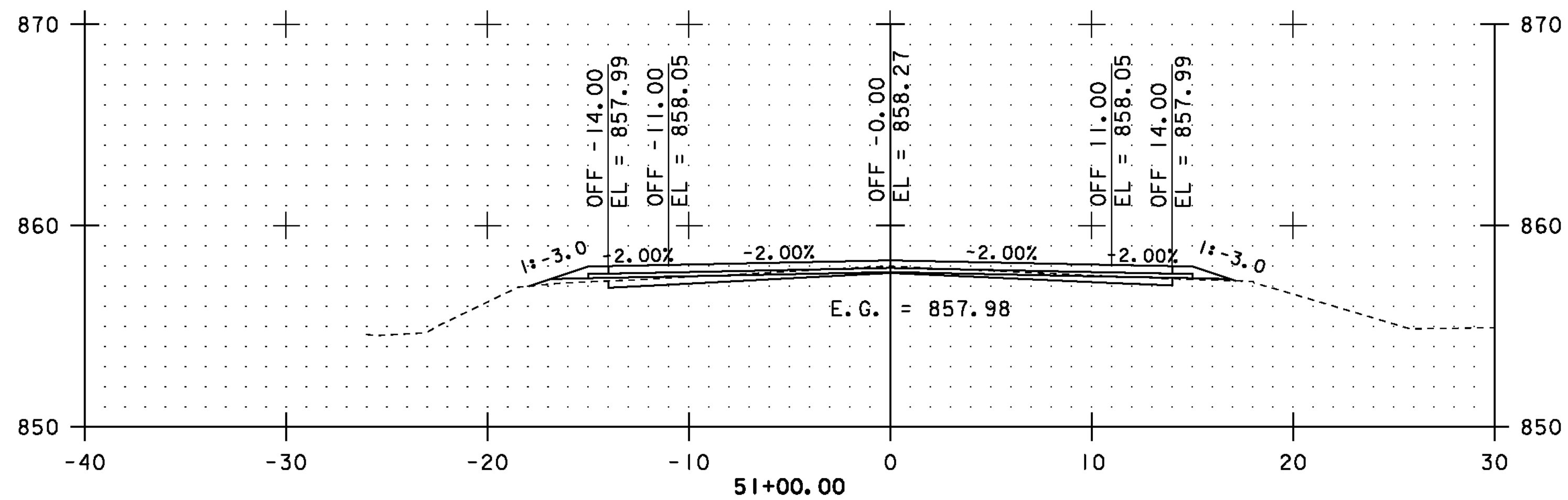
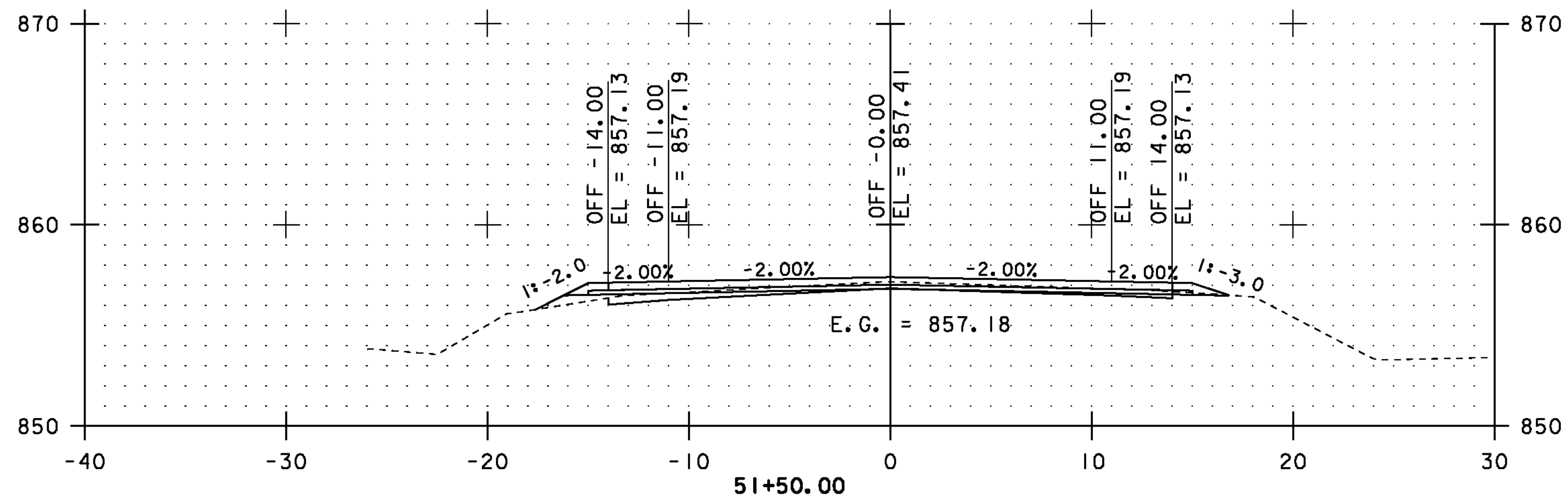
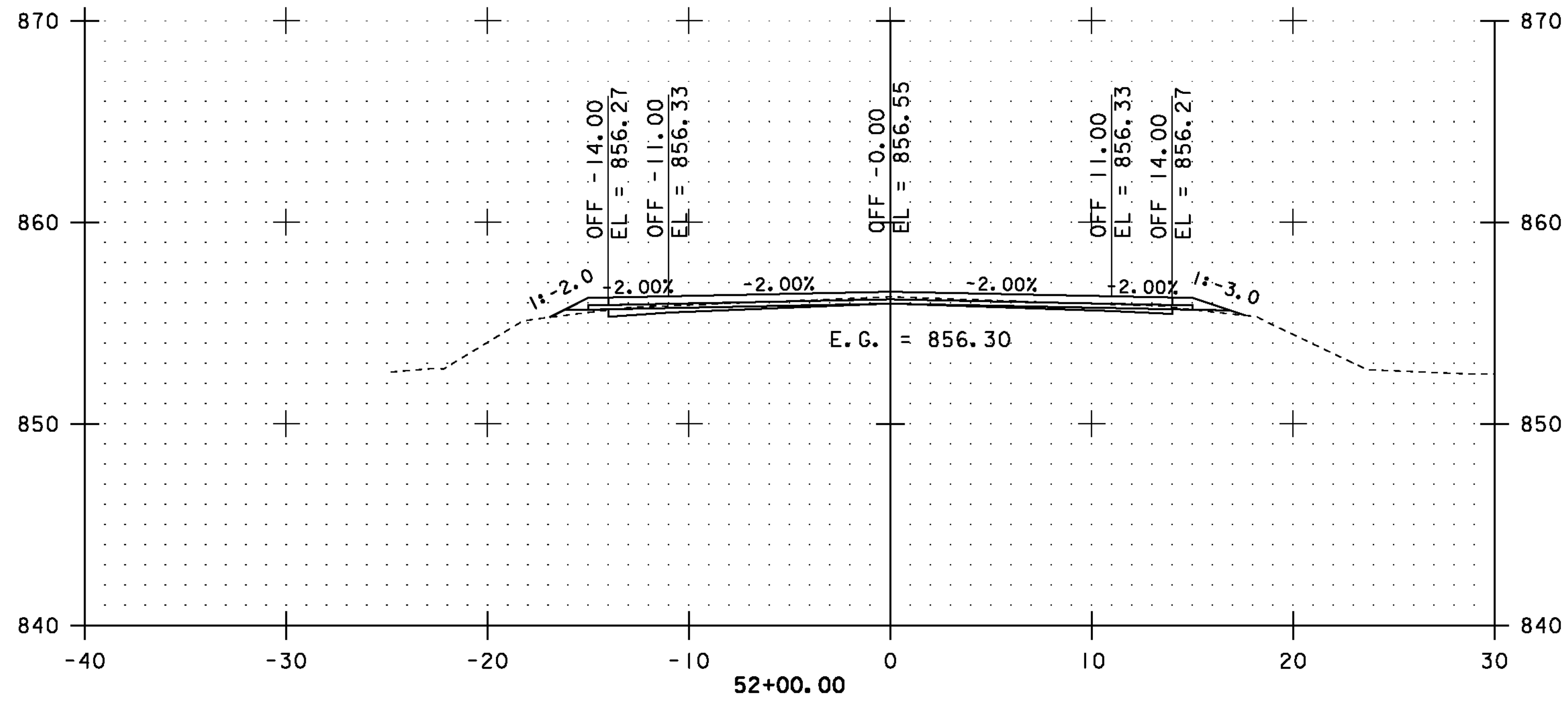


CROSS SECTIONS SHEET #19

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss19.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 69 OF 107



STA. 51+00.00 TO STA. 53+00.00

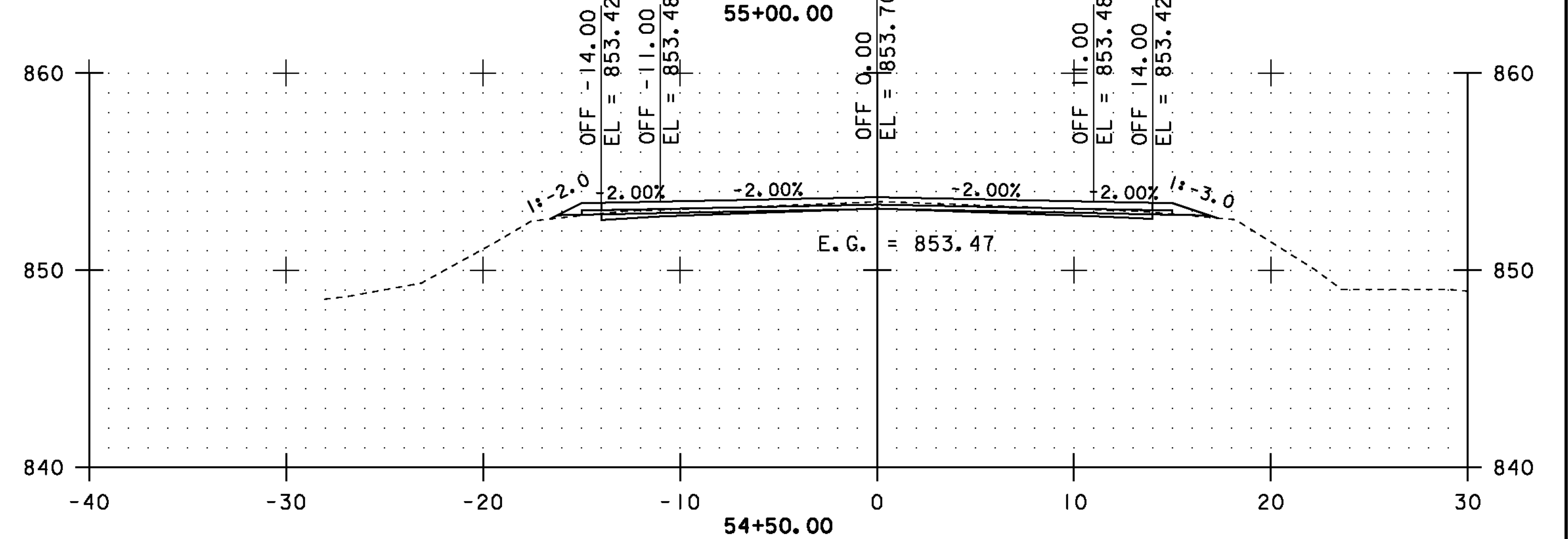
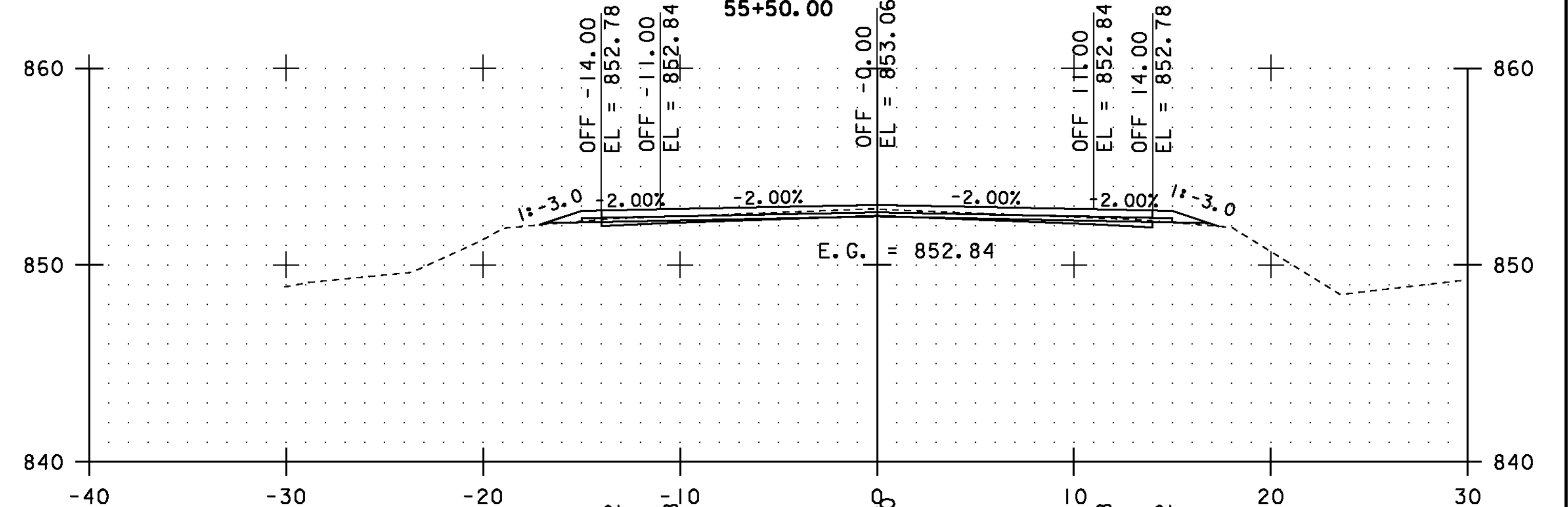
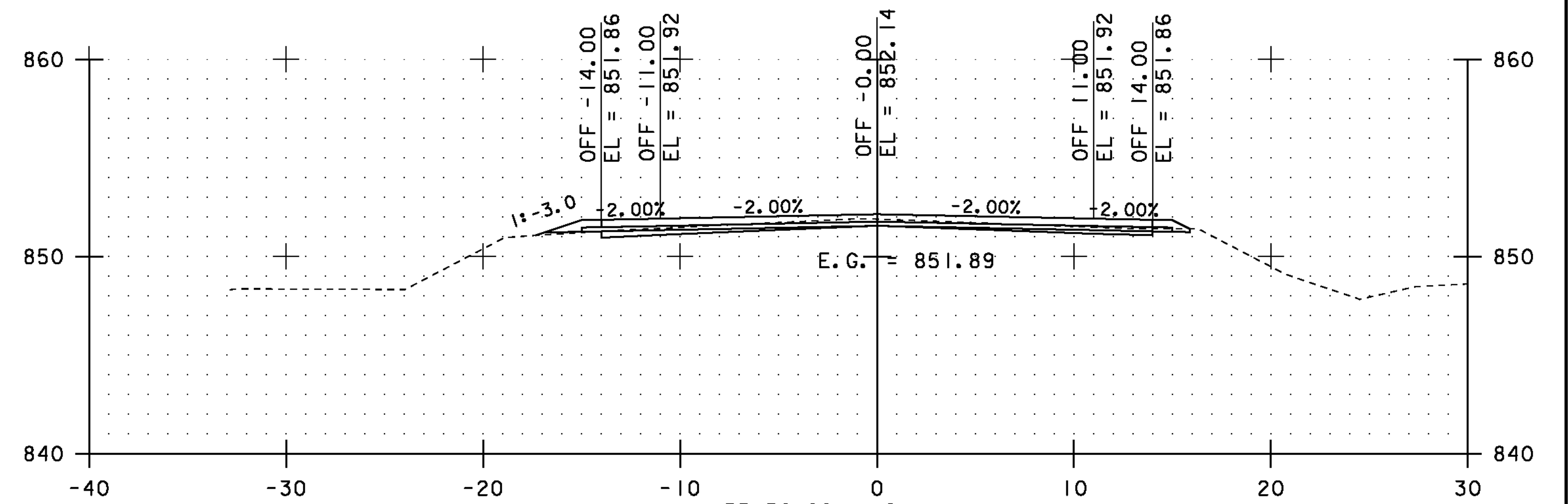
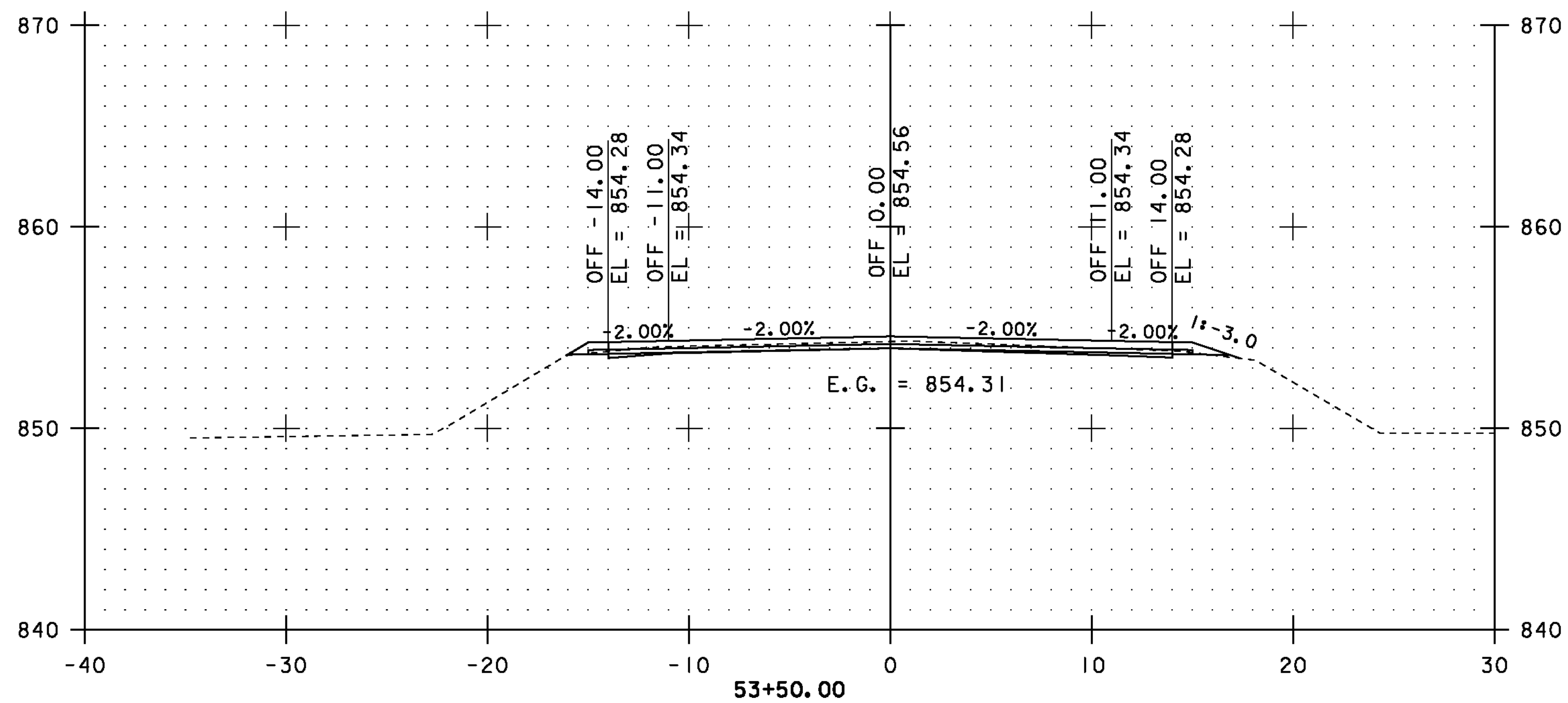
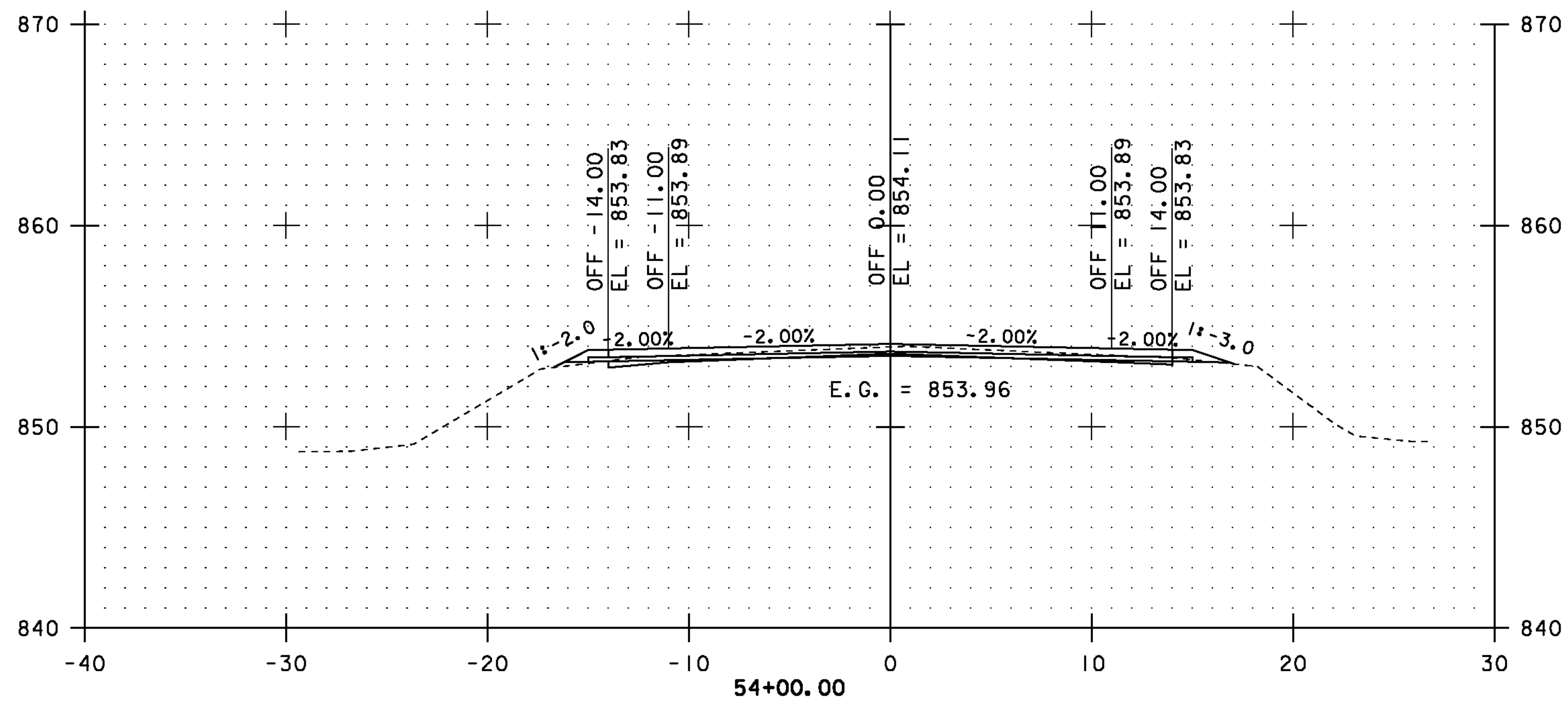


CROSS SECTIONS SHEET #20

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss20.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 70 OF 107



STA. 53+50.00 TO STA. 55+50.00

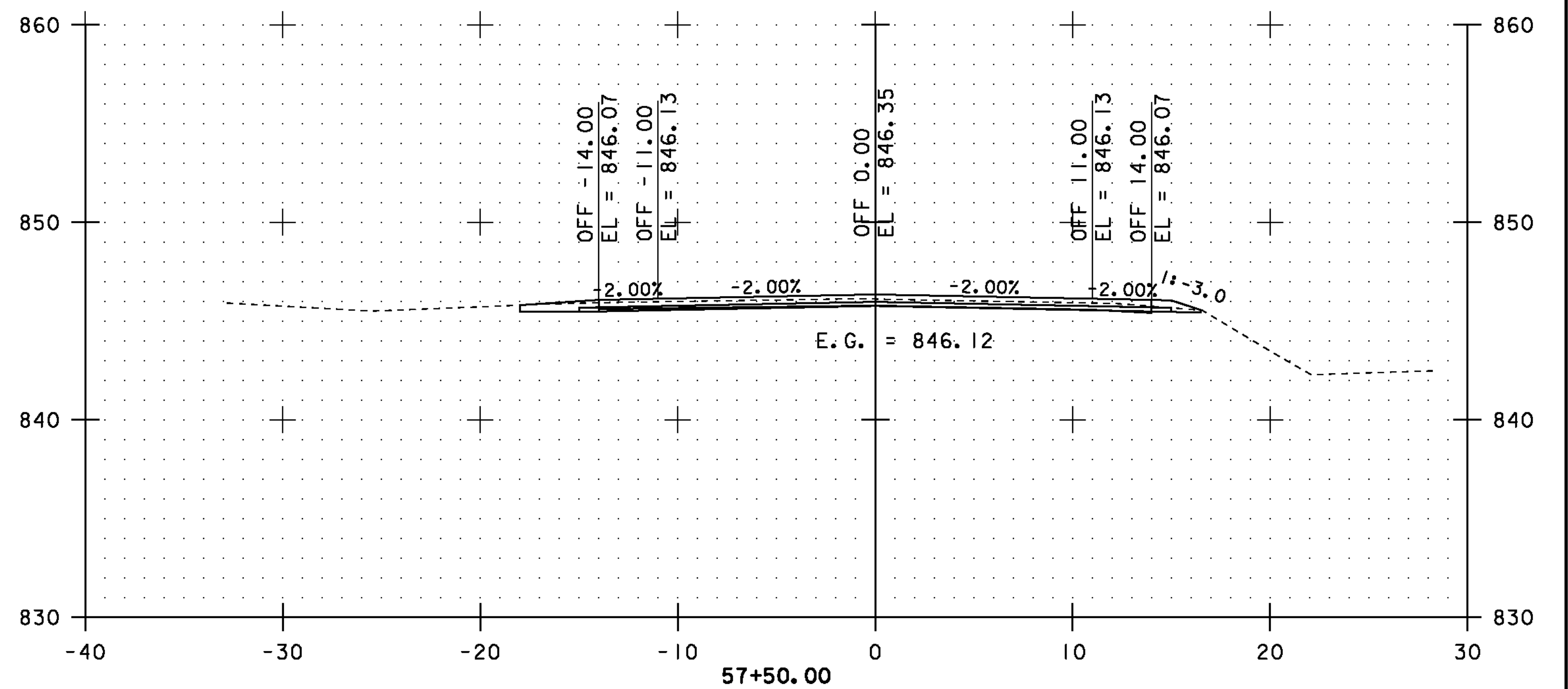
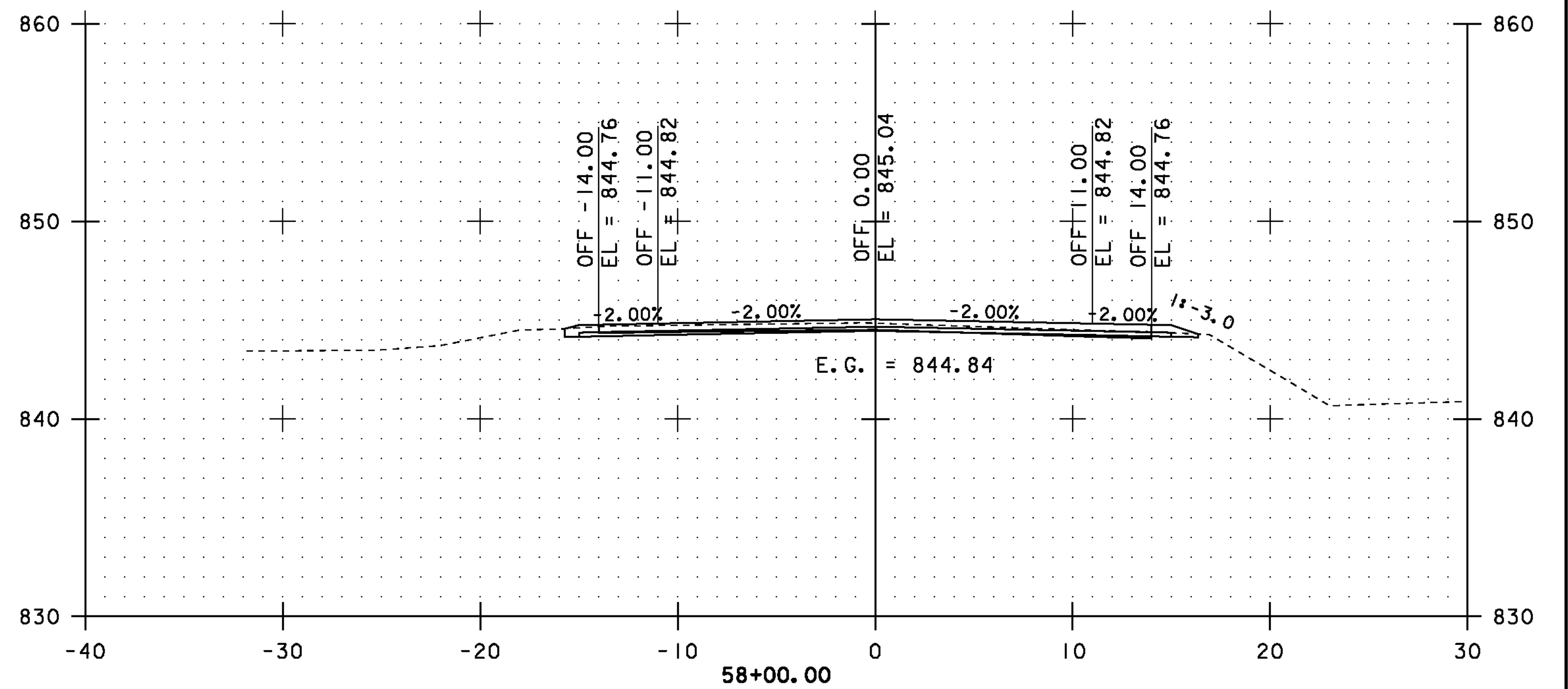
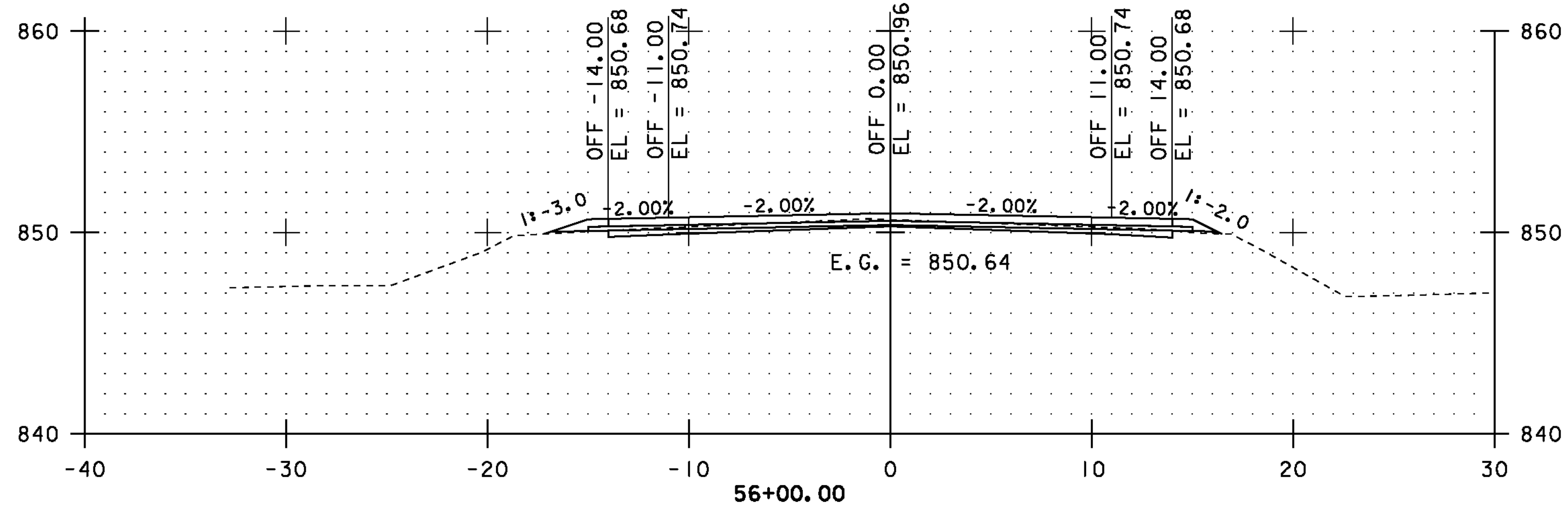
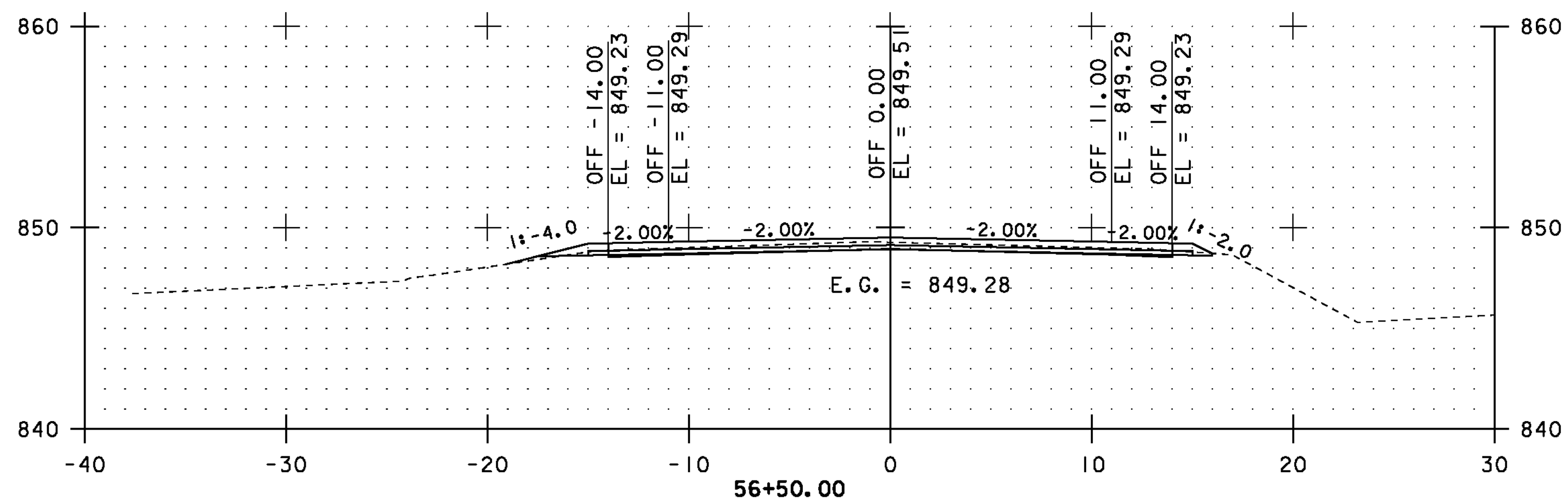
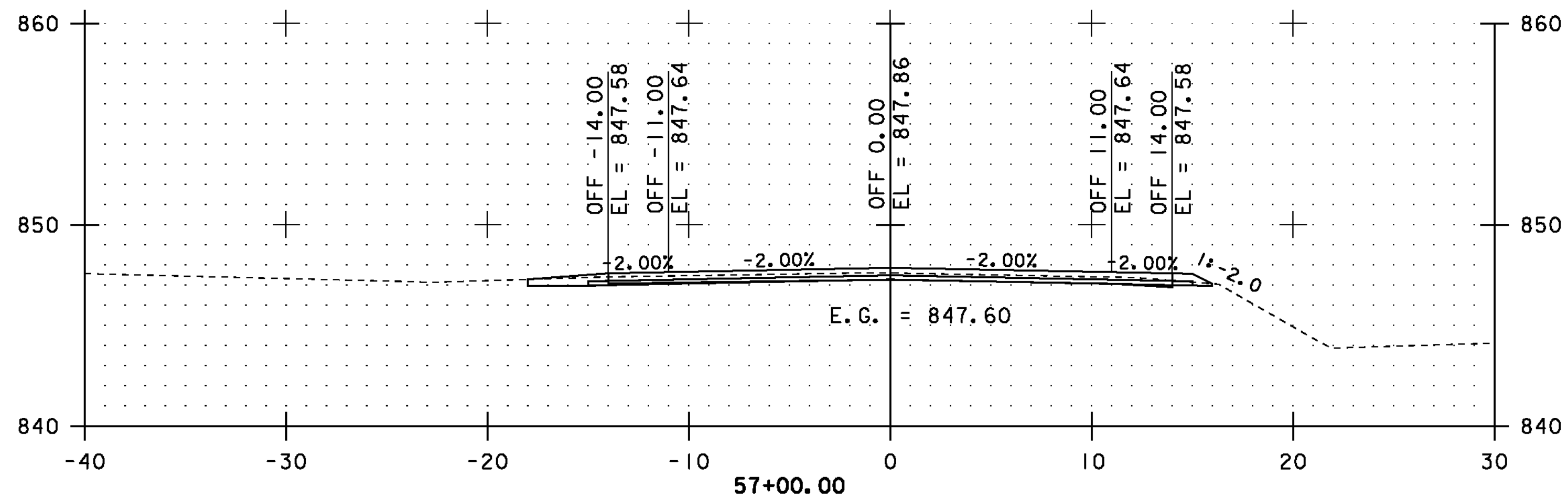


CROSS SECTIONS SHEET #21

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(1)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss21.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 71 OF 107



STA. 56+00.00 TO STA. 58+00.00

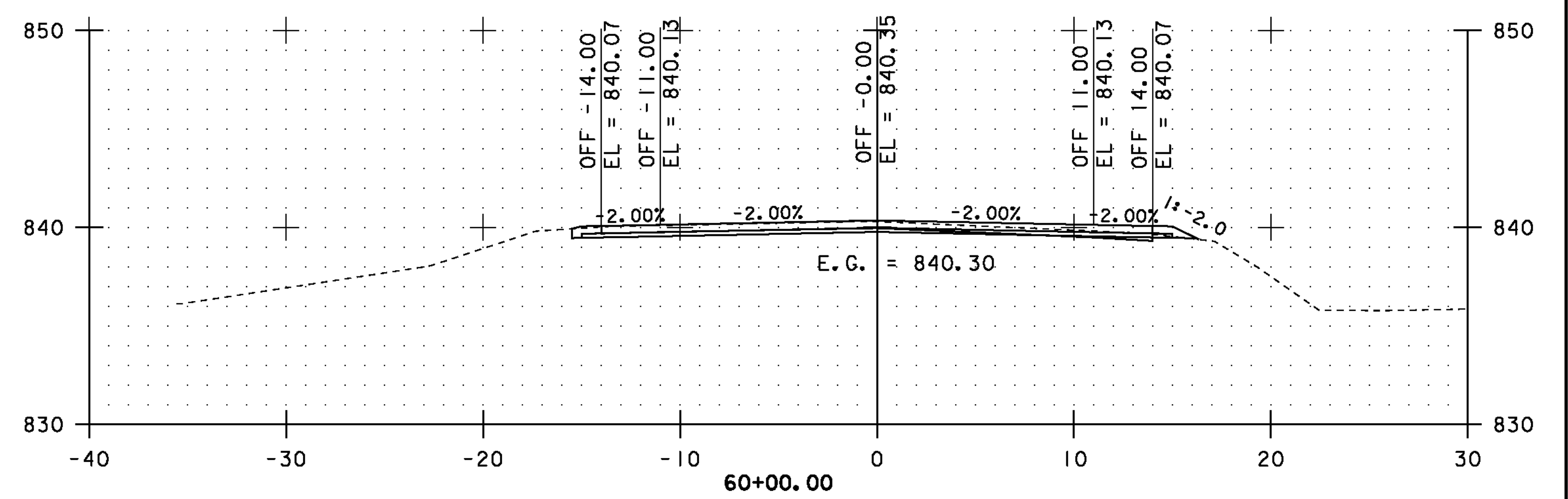
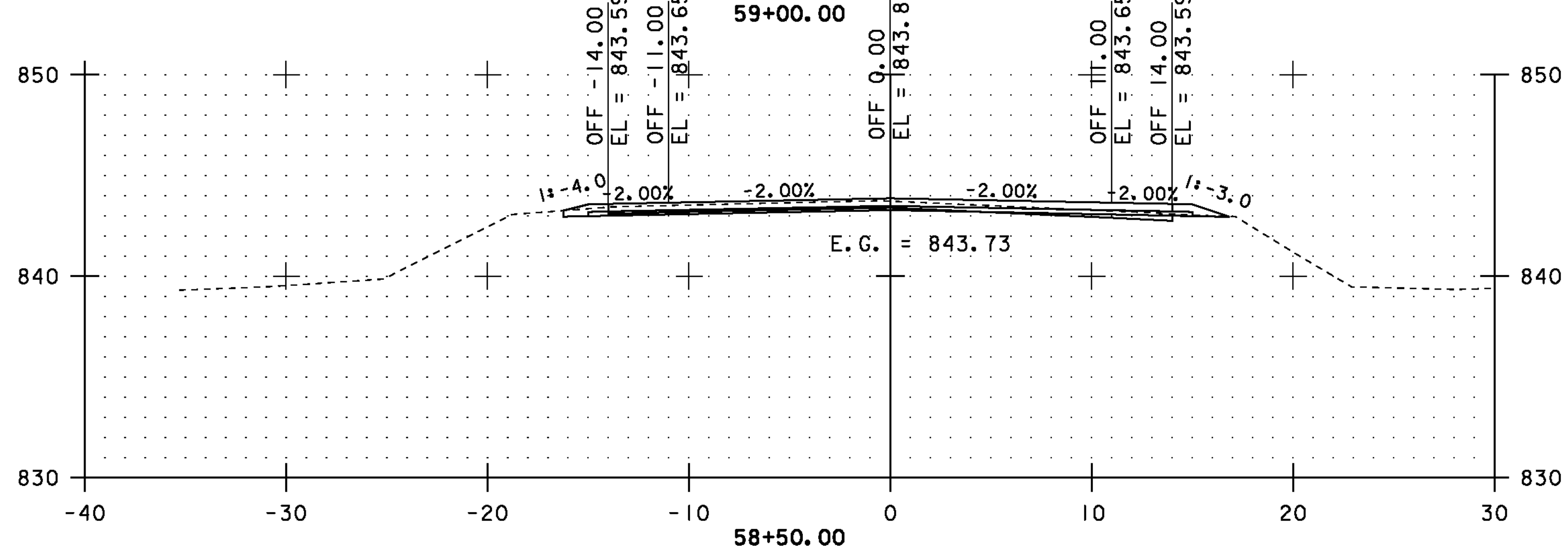
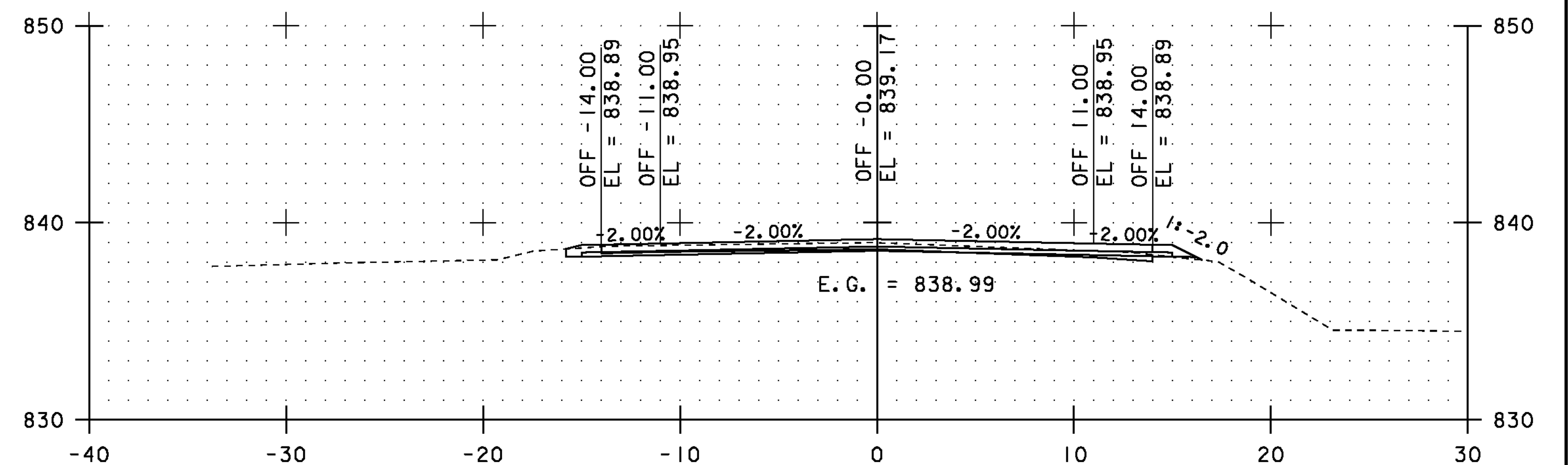
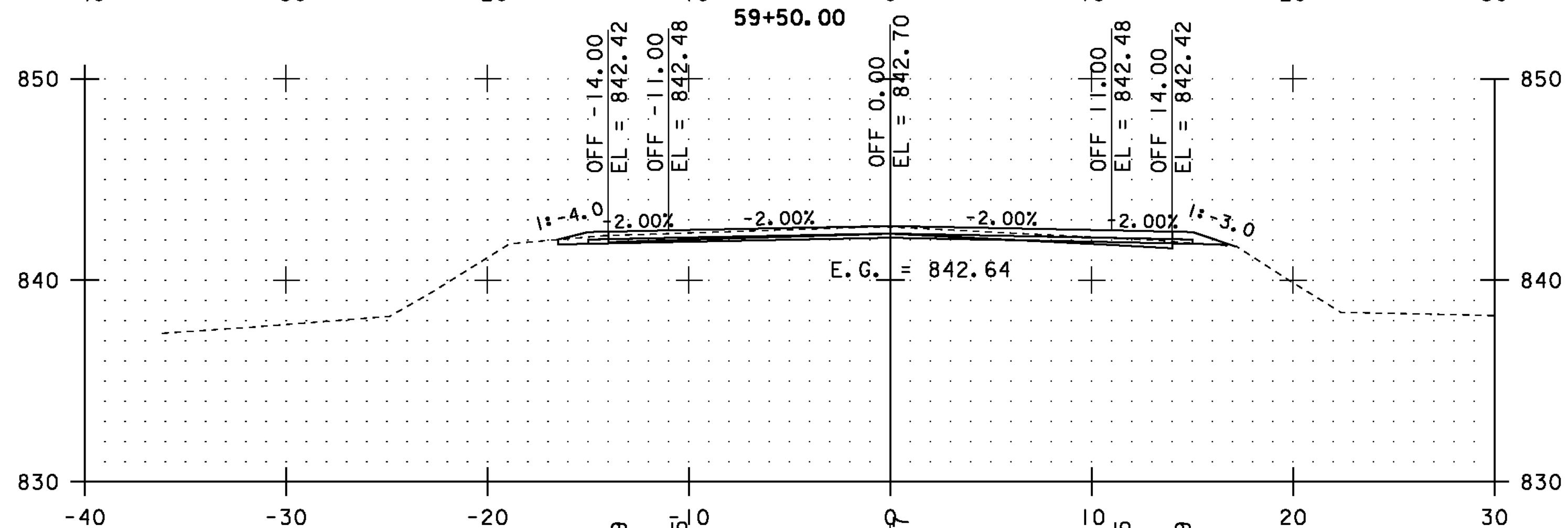
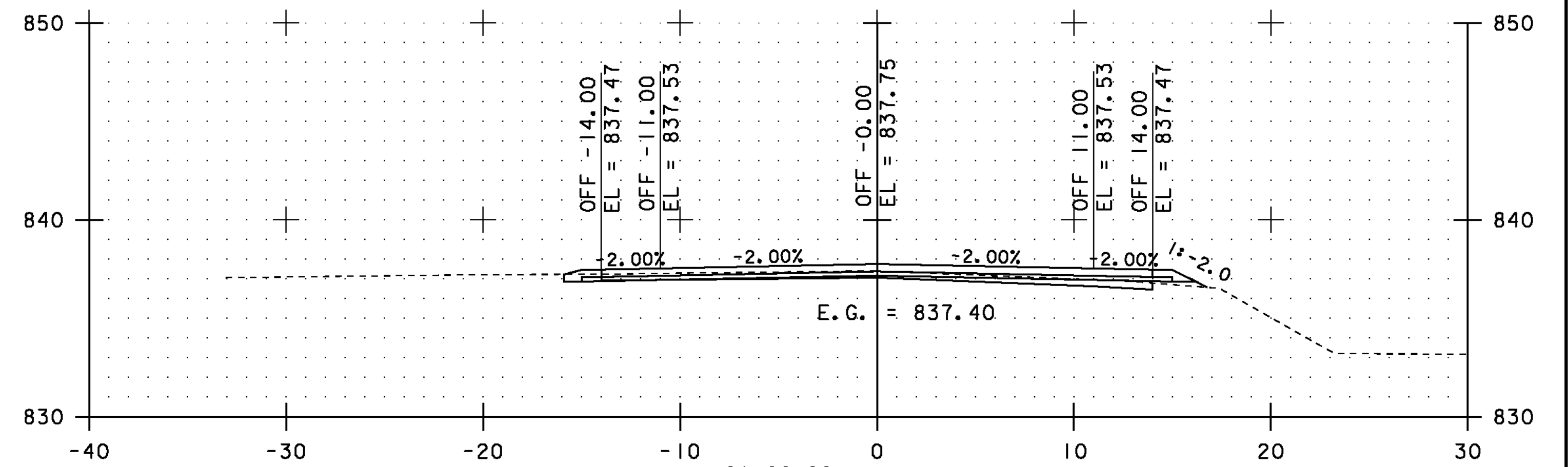
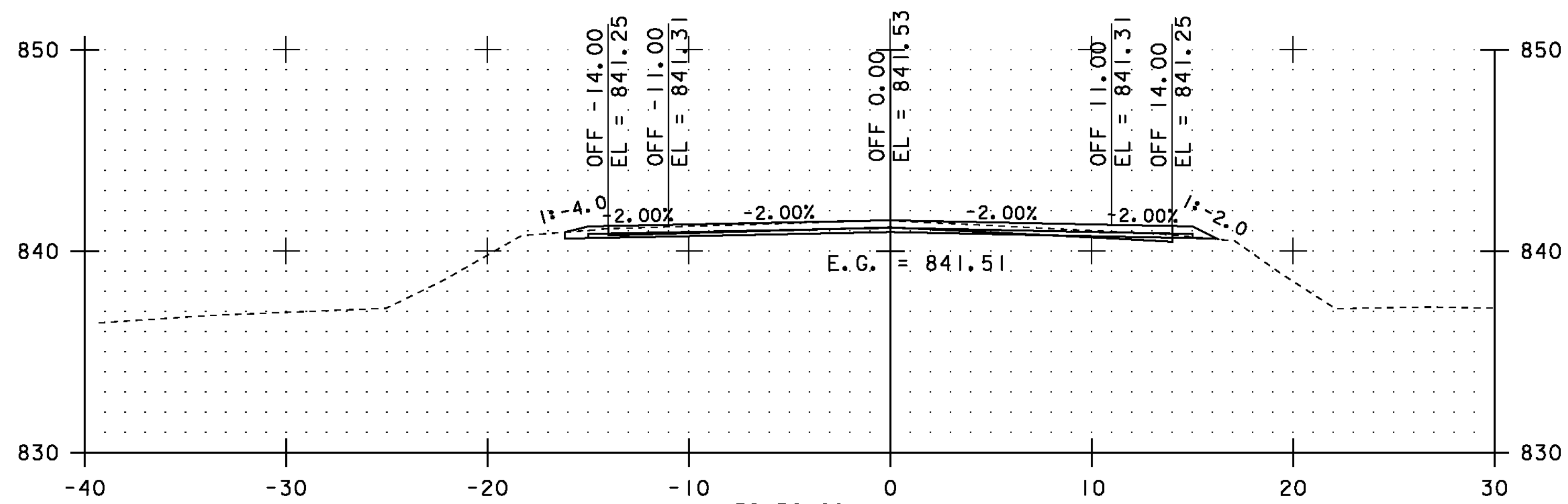


CROSS SECTIONS SHEET #22

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss22.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 72 OF 107



STA. 58+50.00 TO STA. 61+00.00



CROSS SECTIONS SHEET #23

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

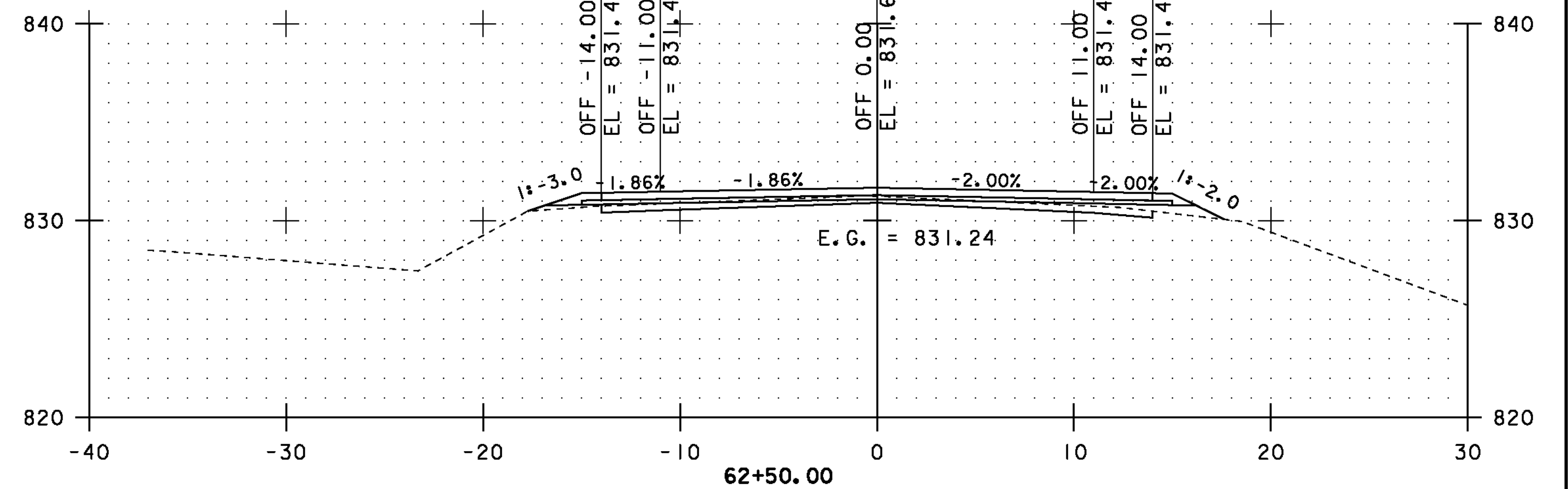
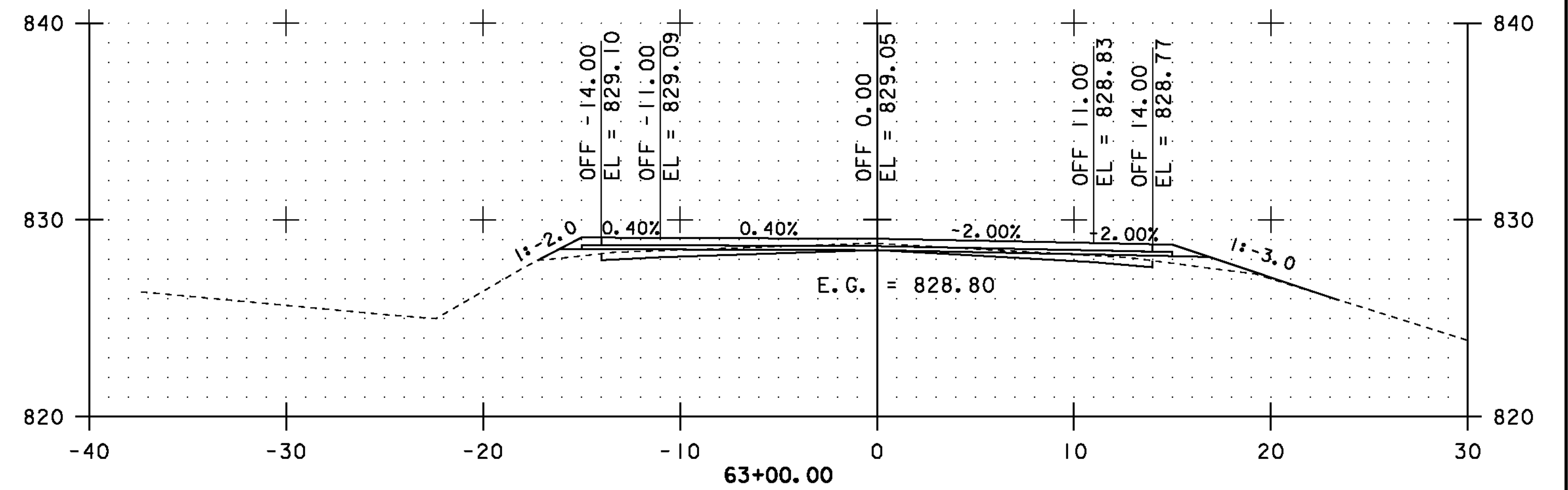
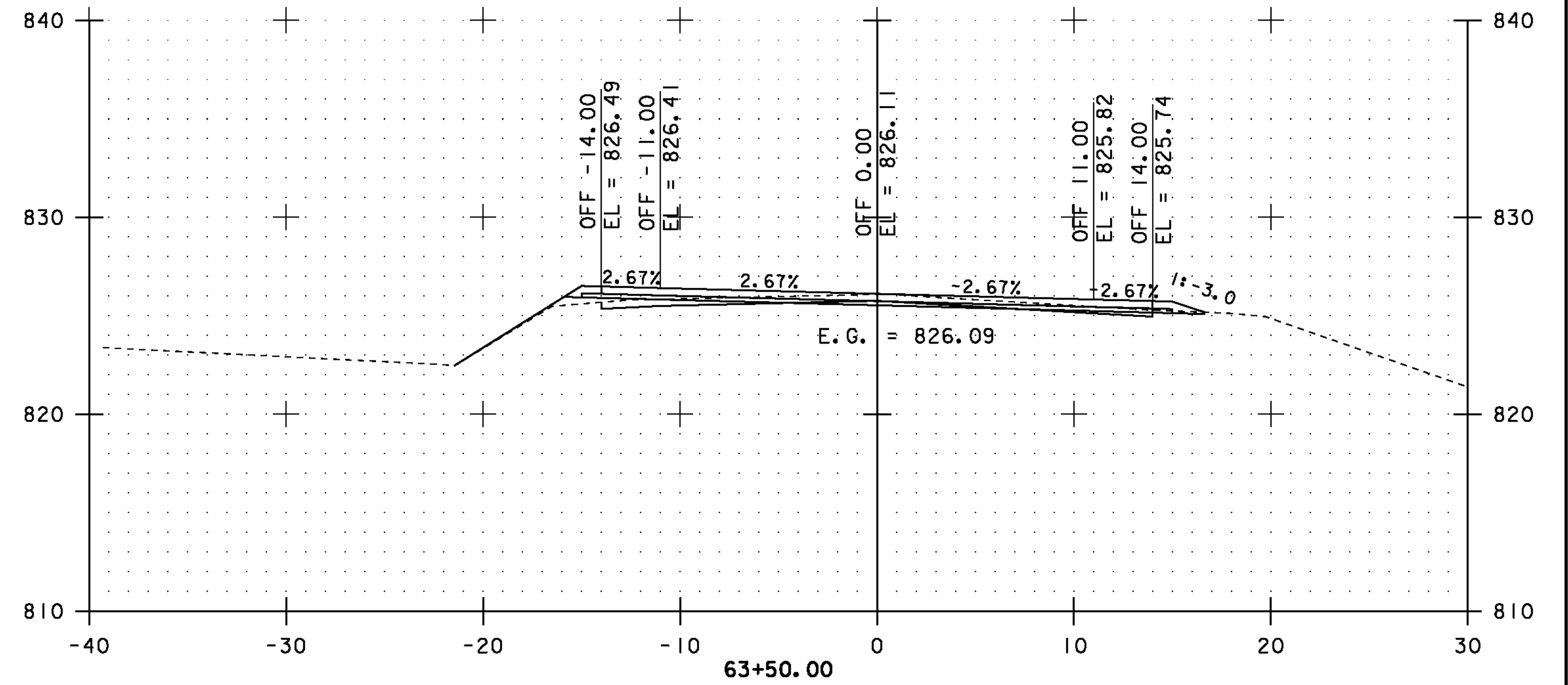
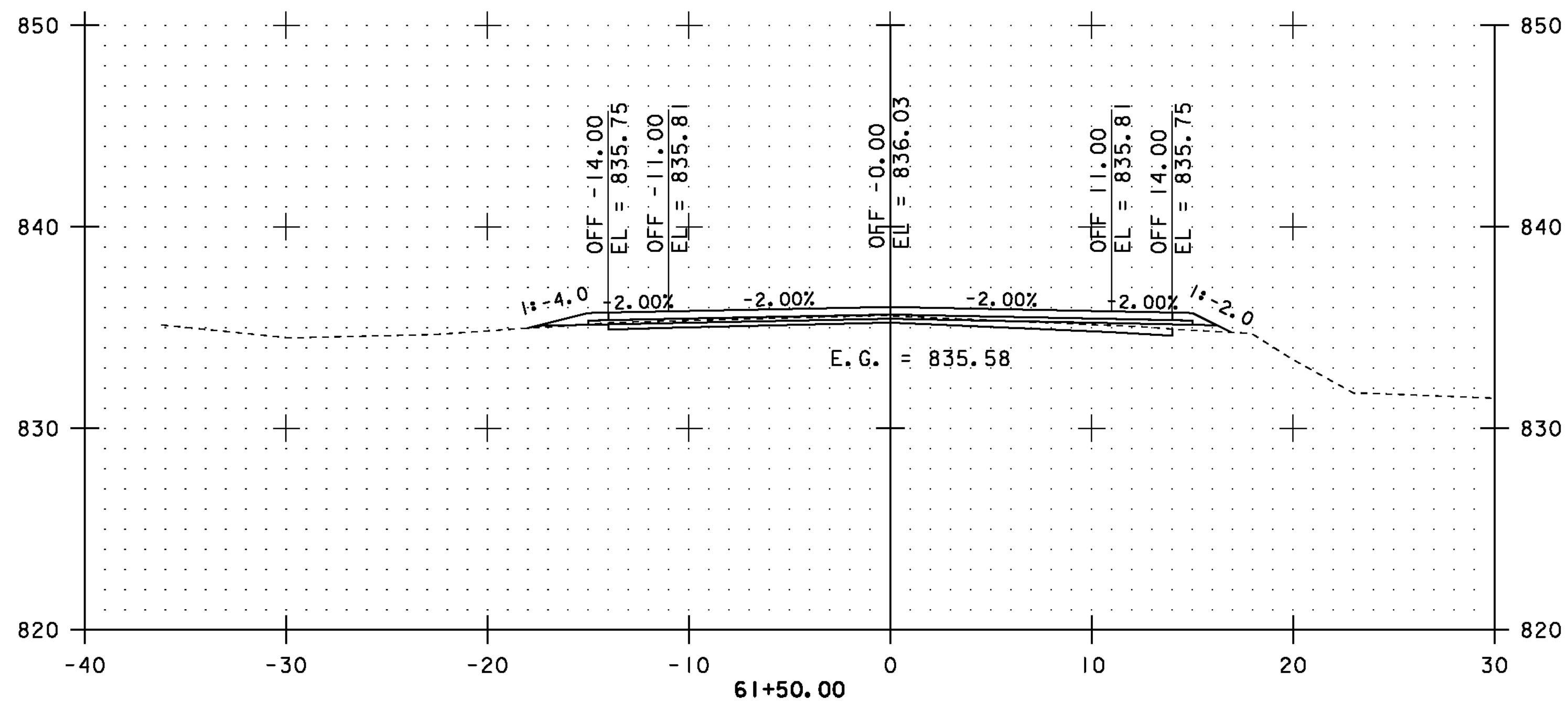
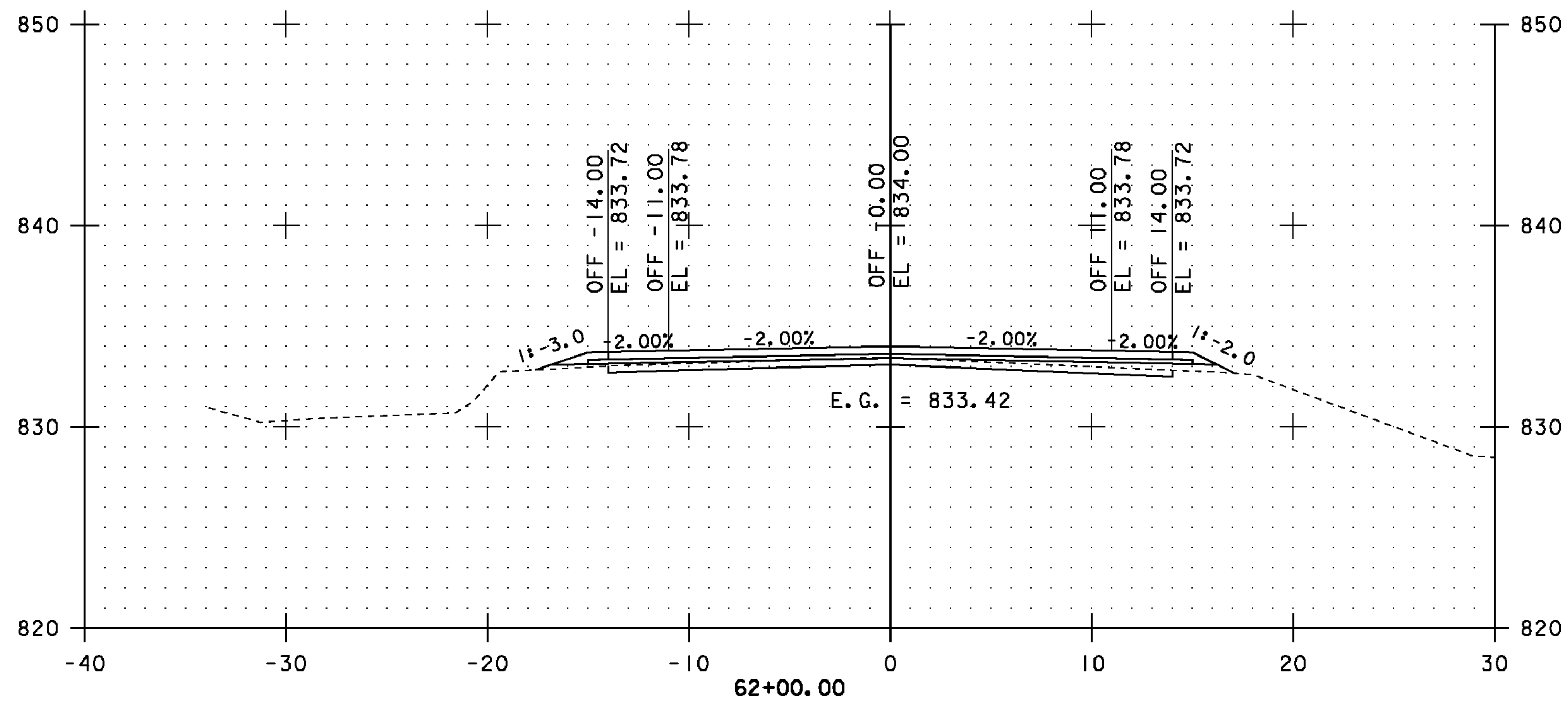
IPARM FILE: p01c052xss23.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 73 OF 107



STA. 61+50.00 TO STA. 63+50.00

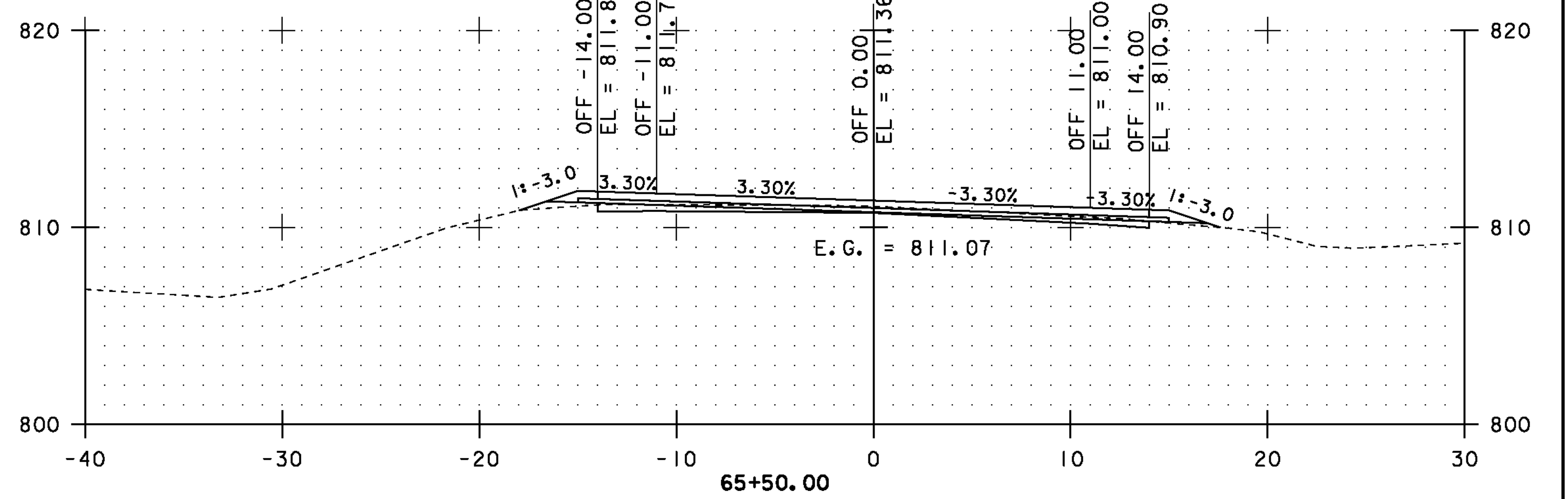
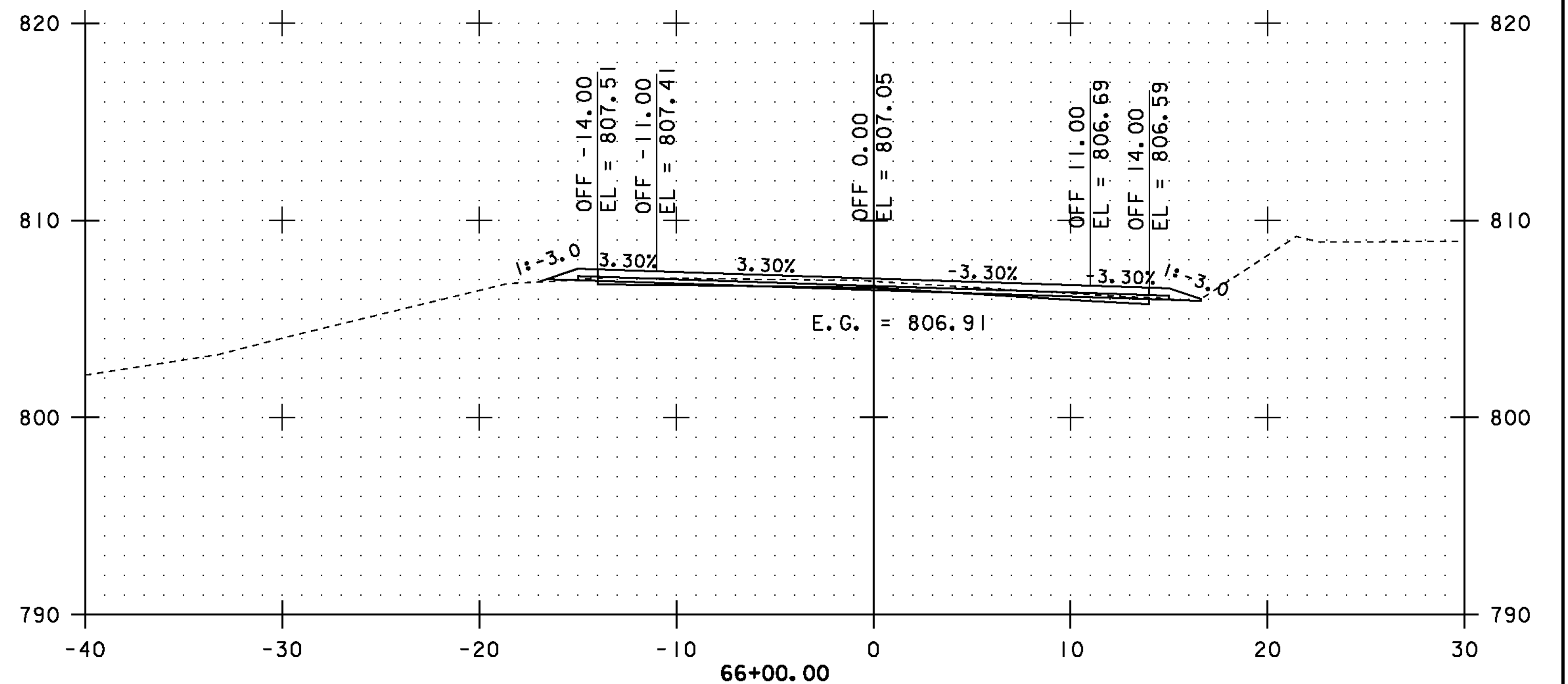
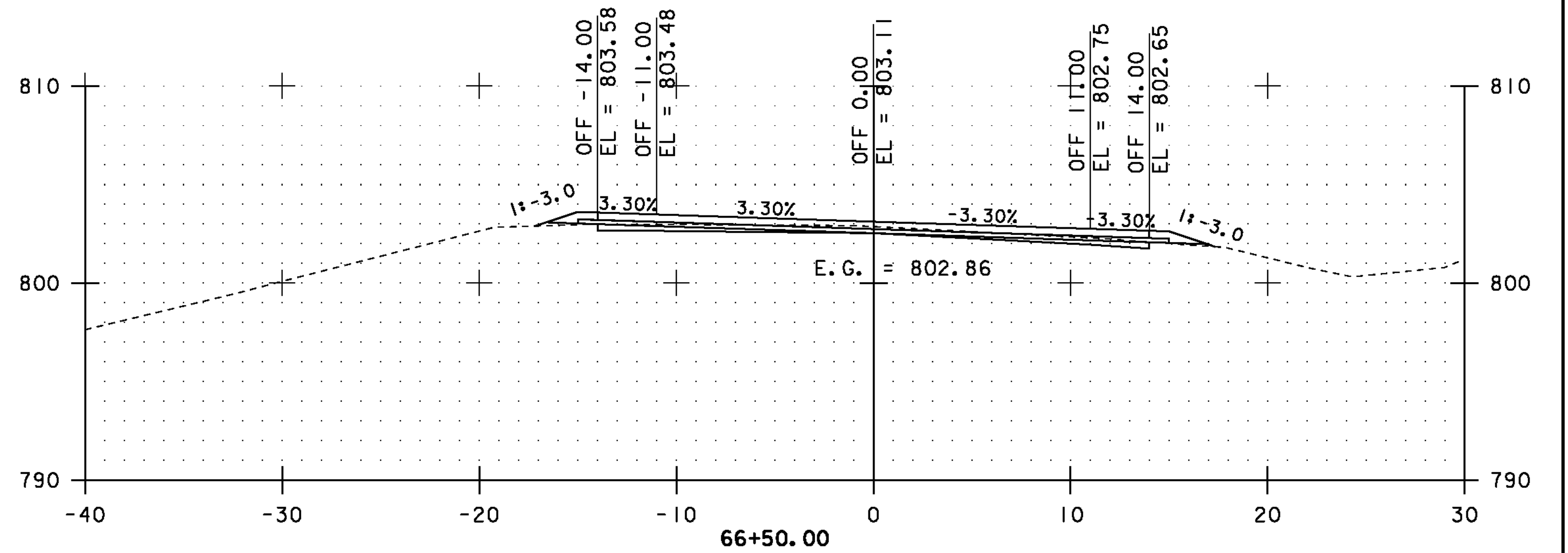
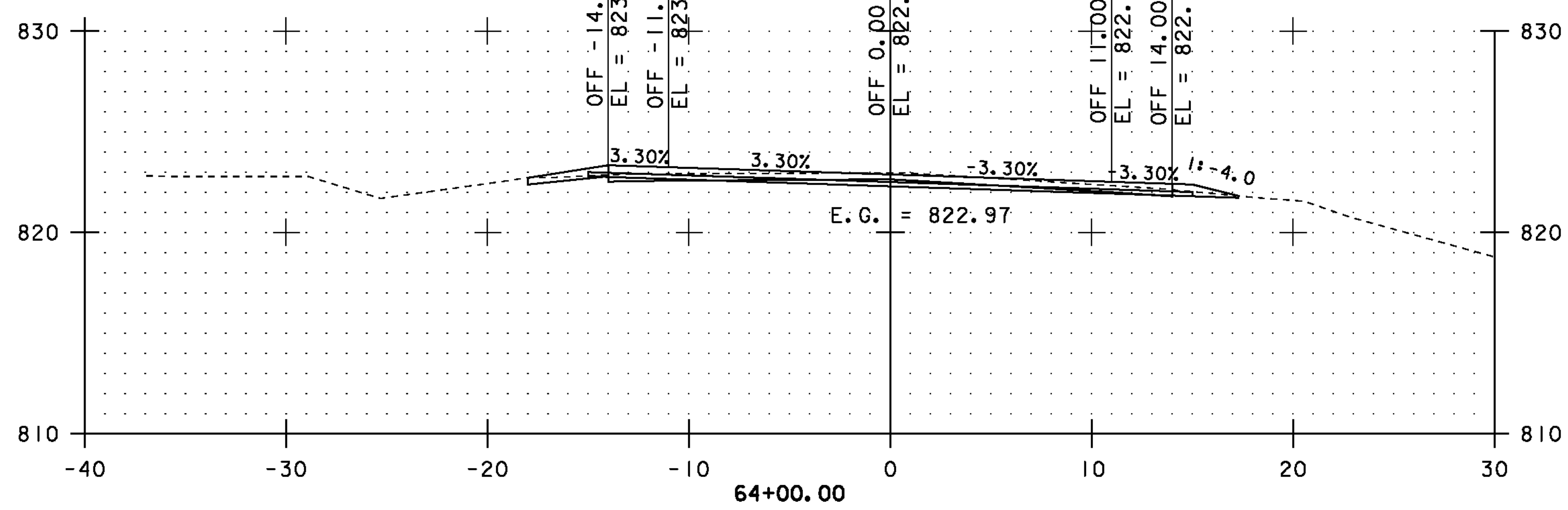
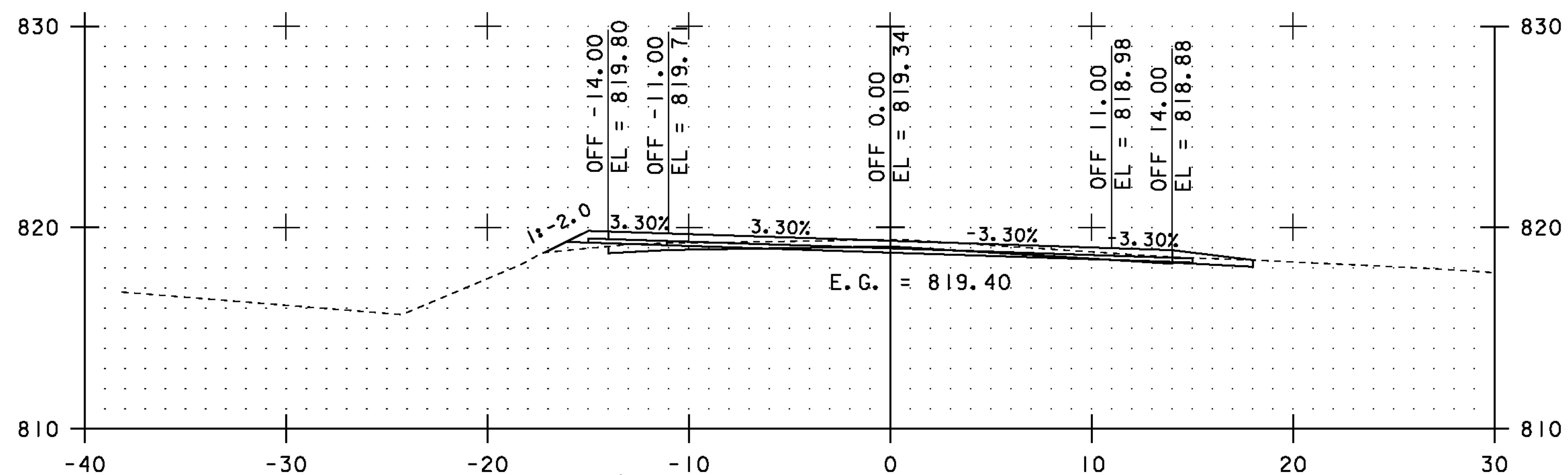
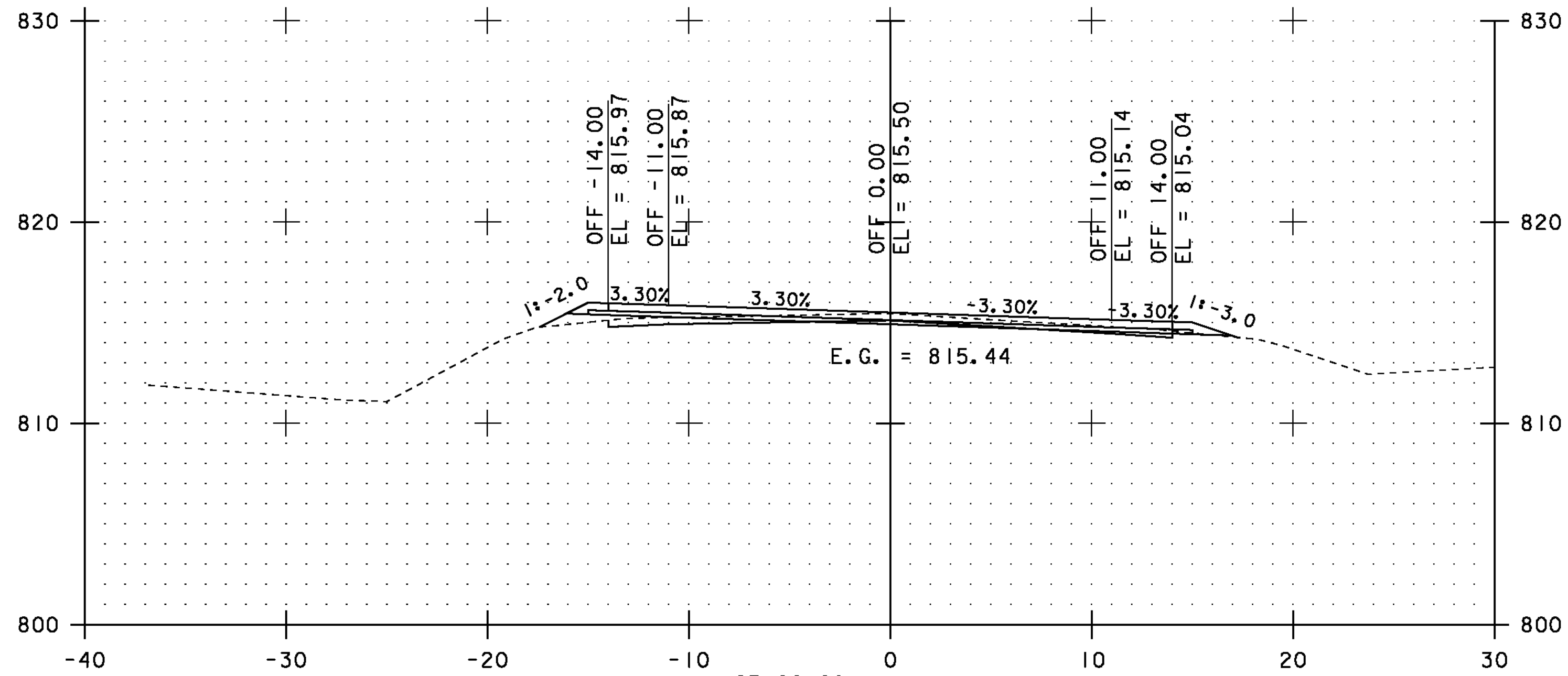


CROSS SECTIONS SHEET #24

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss24.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 74 OF 107



STA. 64+00.00 TO STA. 66+50.00

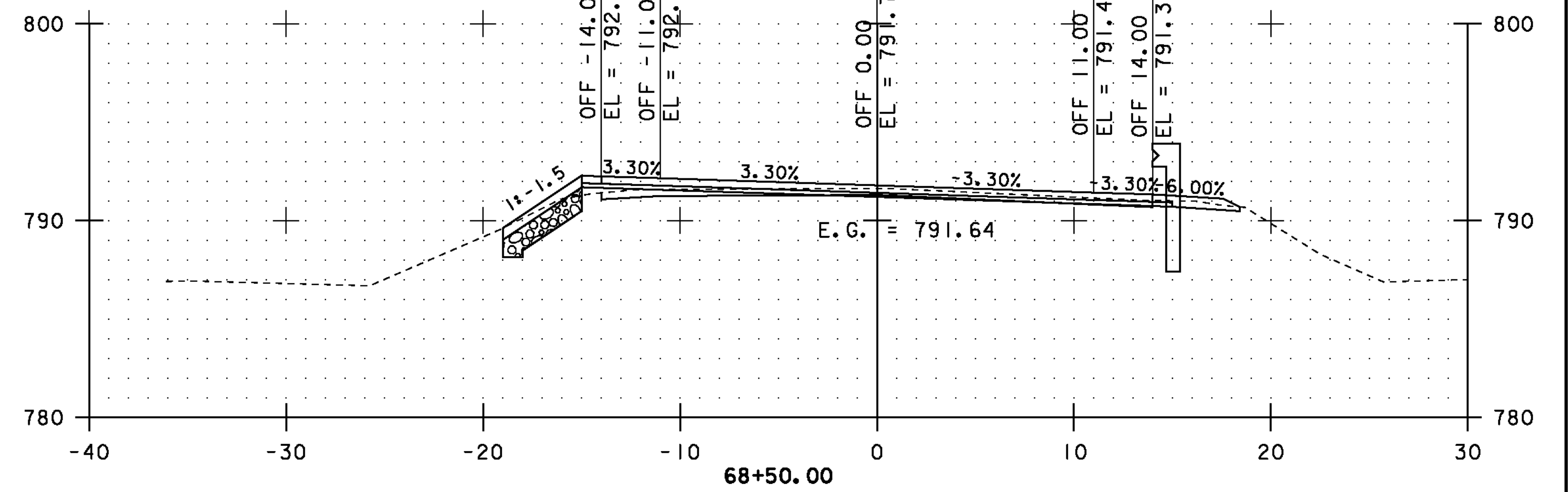
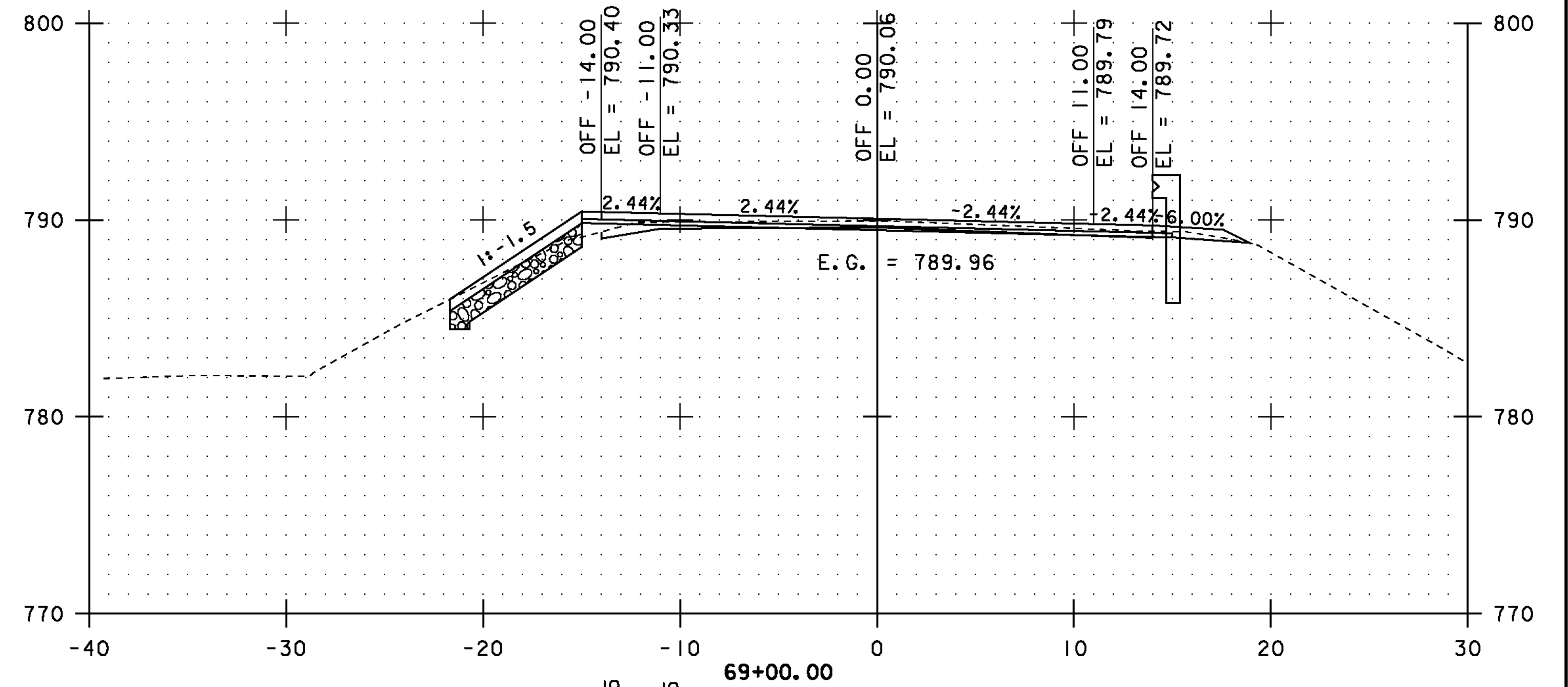
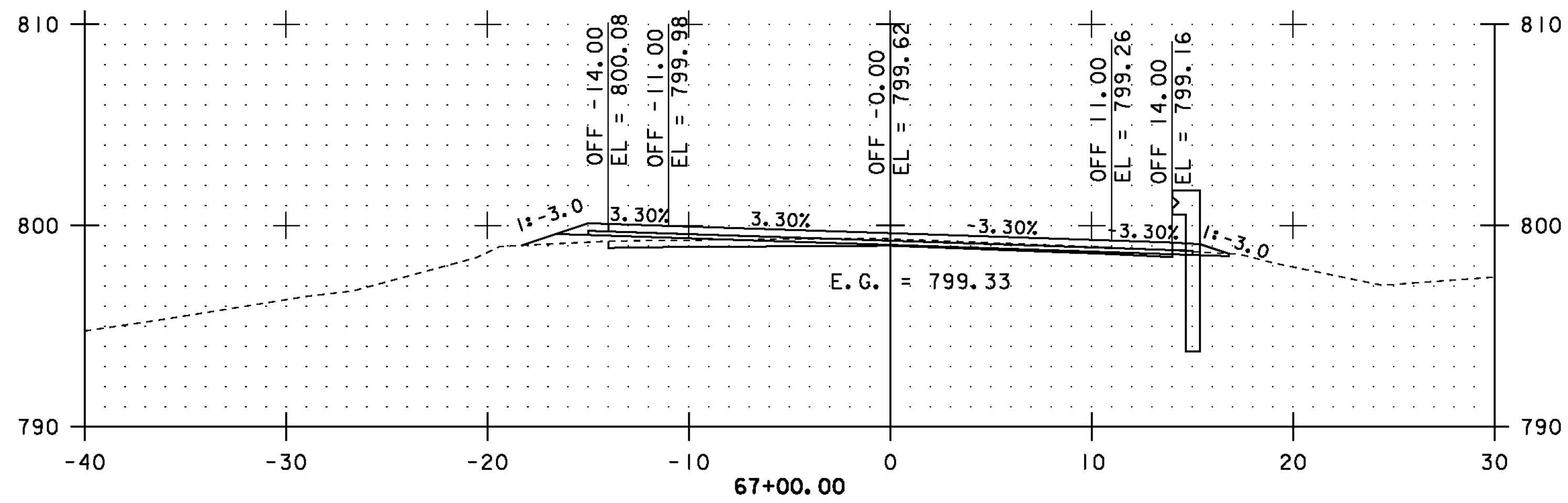
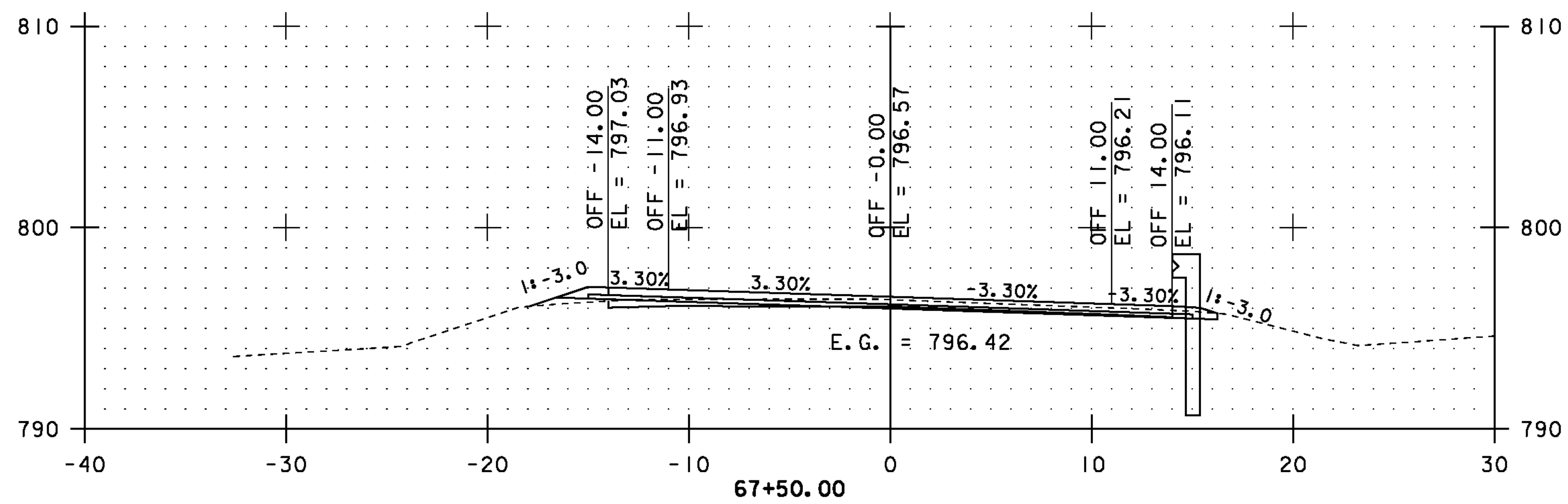
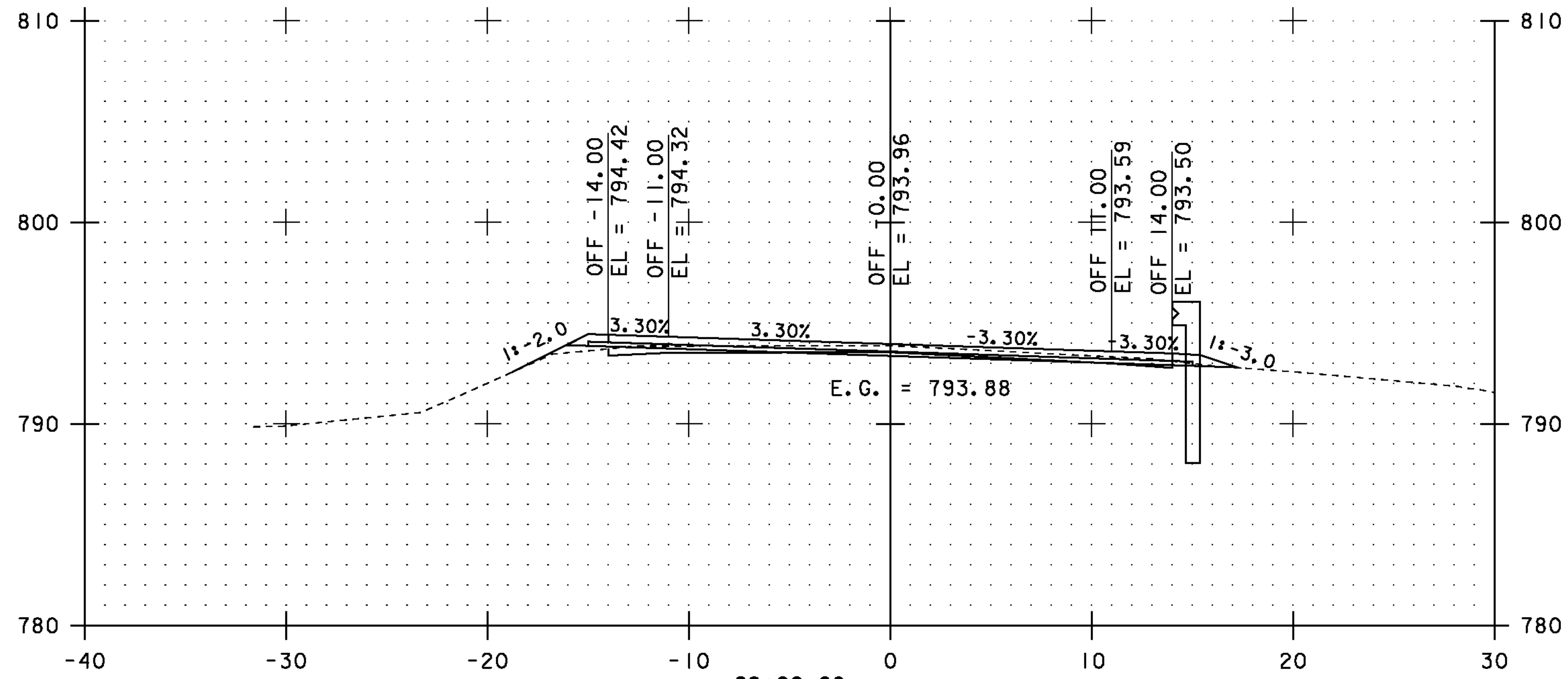


CROSS SECTIONS SHEET #25

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss25.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 75 OF 107



STA. 67+00.00 TO STA. 69+00.00

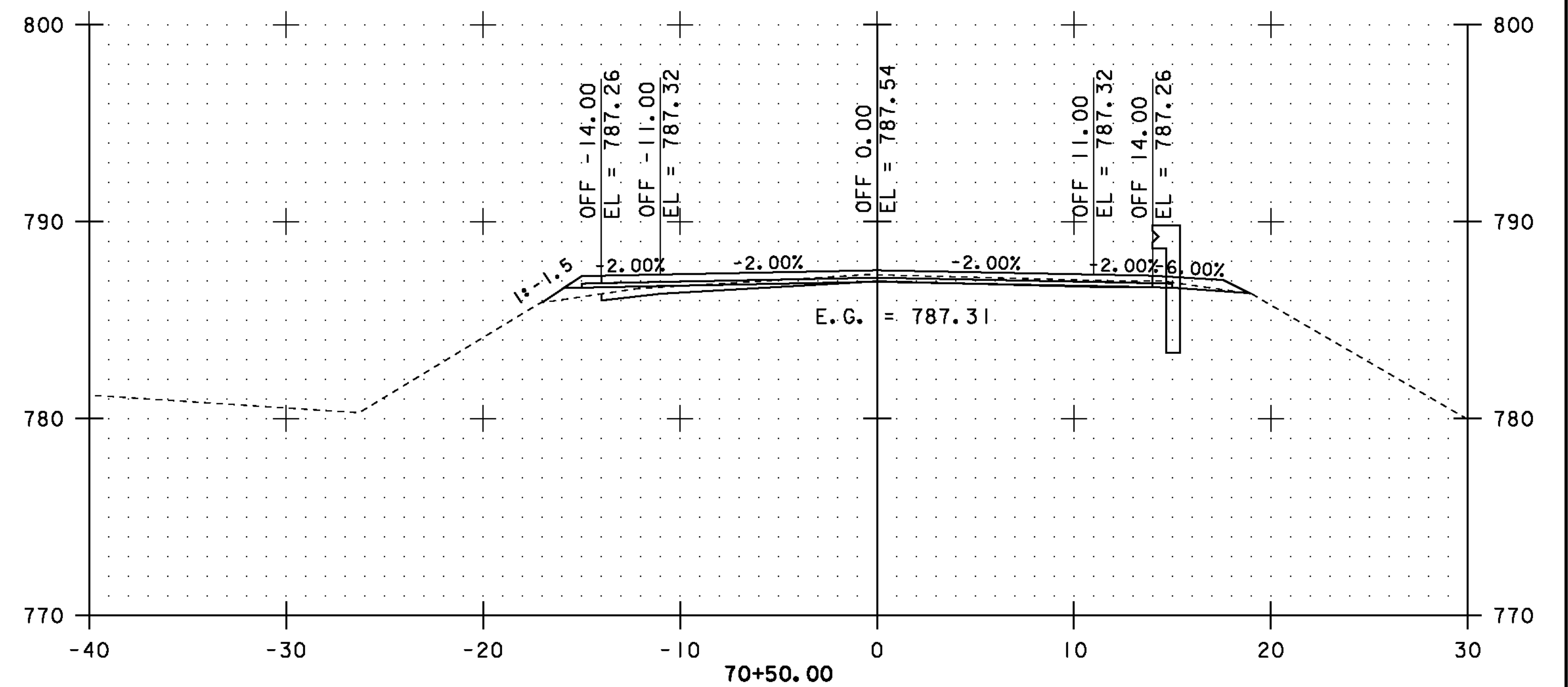
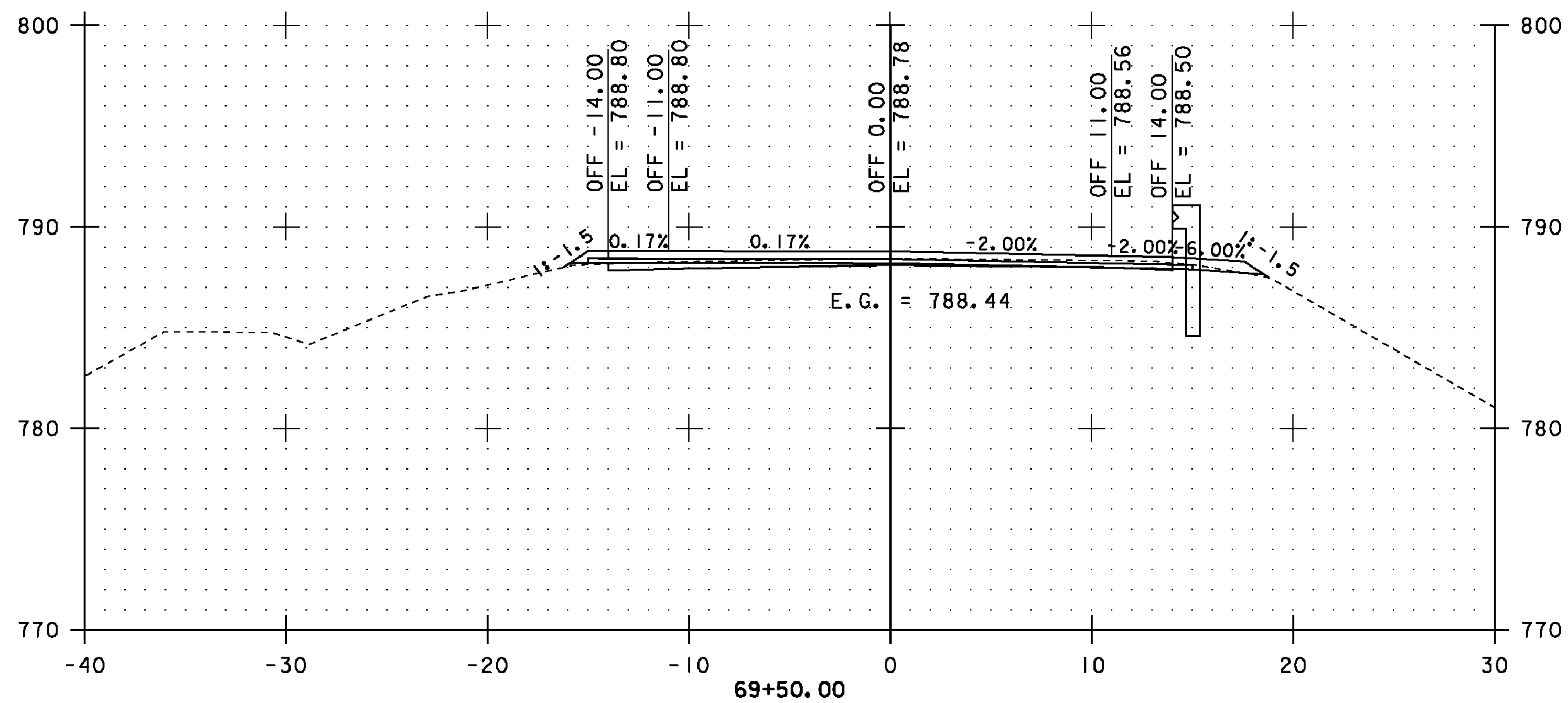
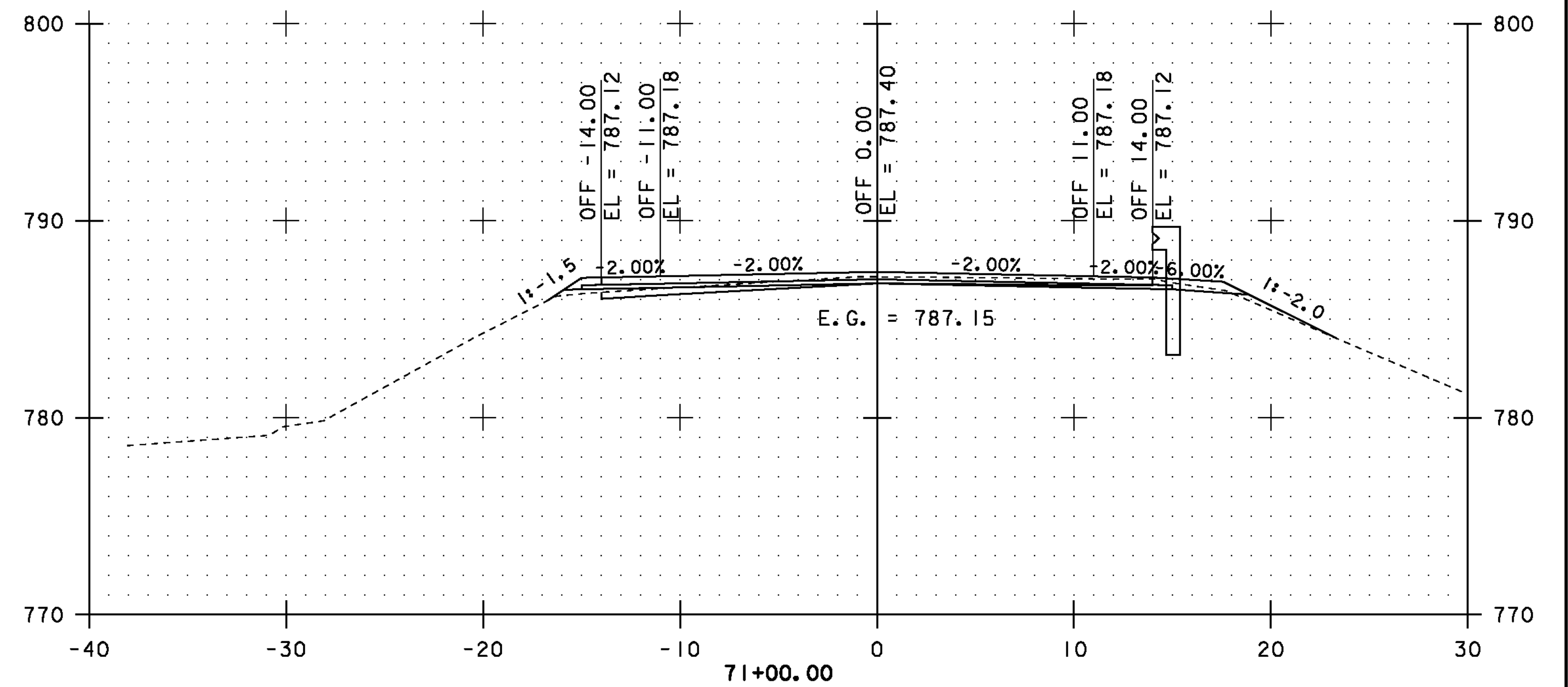
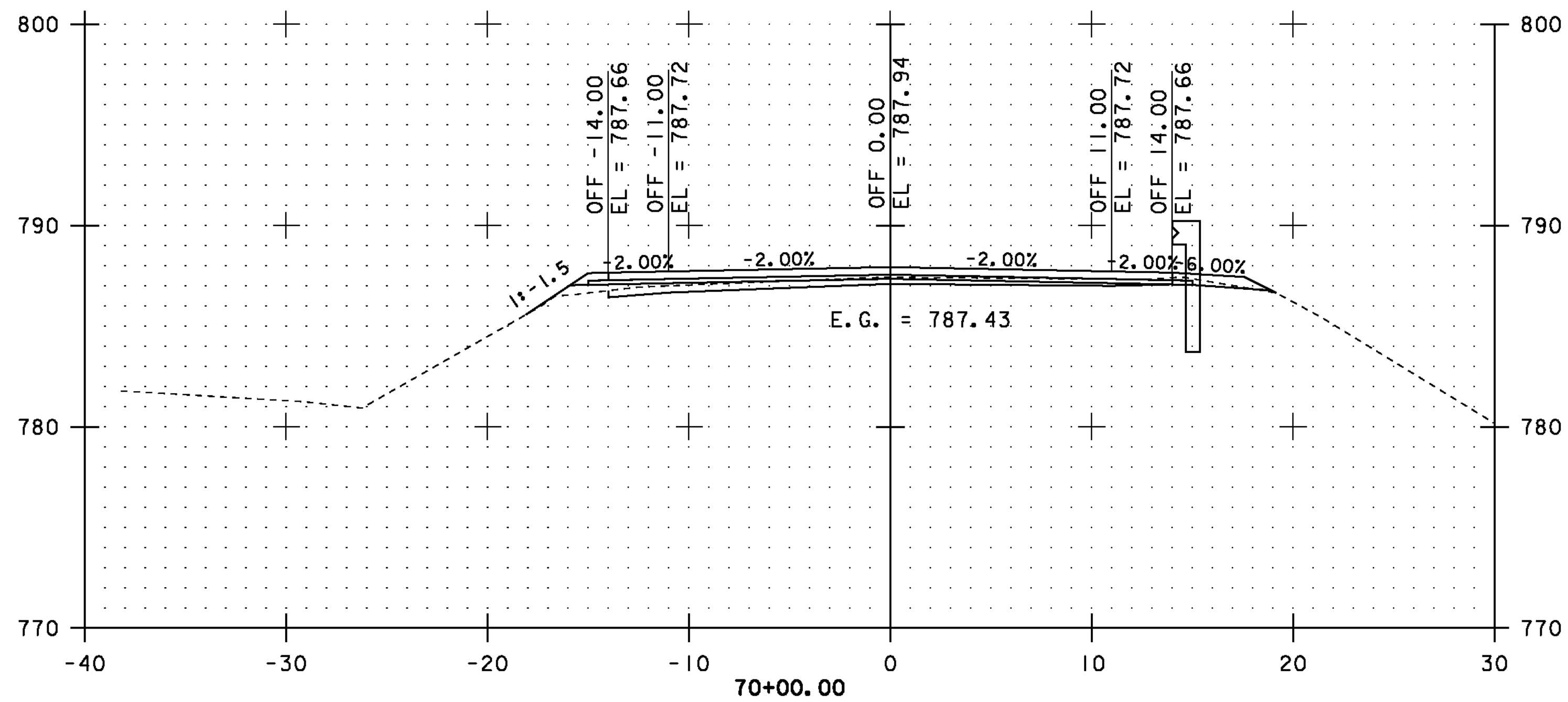


CROSS SECTIONS SHEET #26

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss26.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 76 OF 107



STA. 69+50.00 TO STA. 71+00.00



CROSS SECTIONS SHEET #27

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

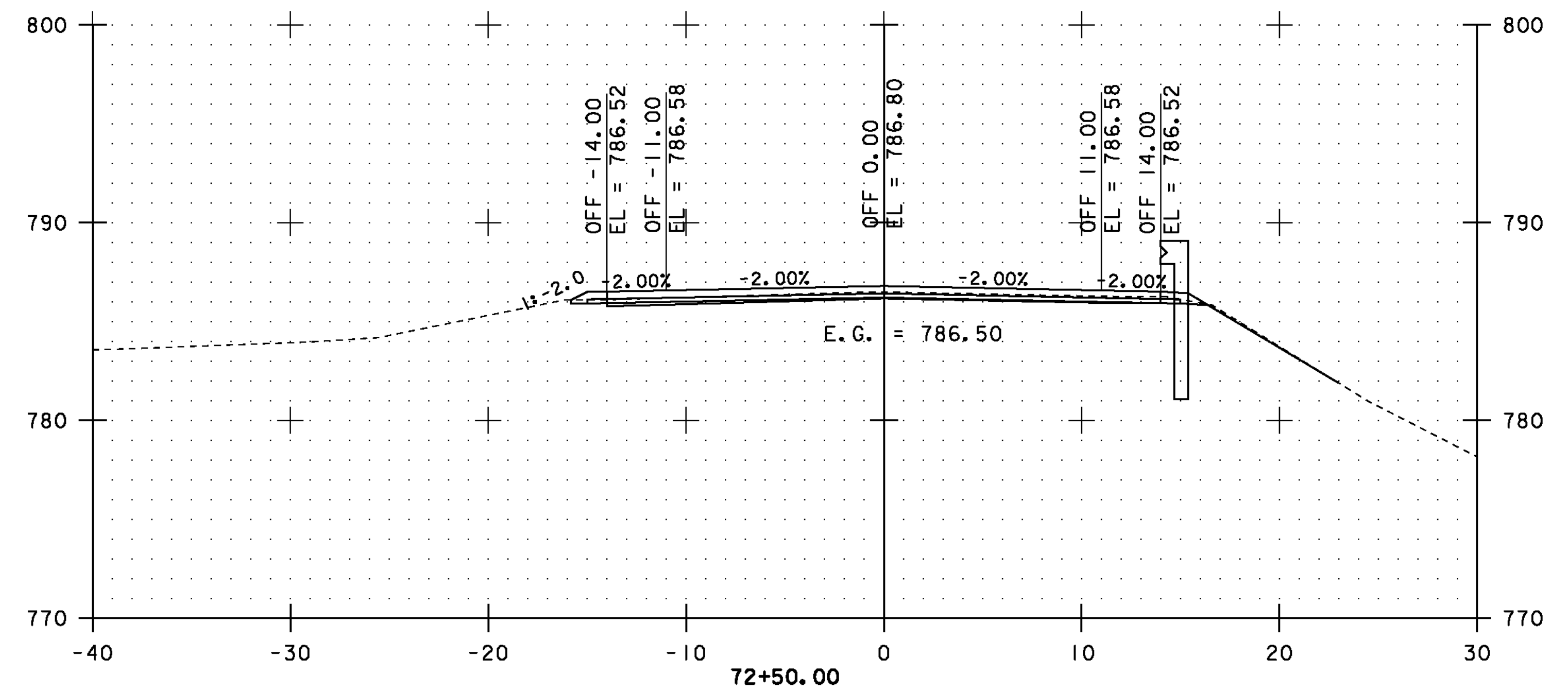
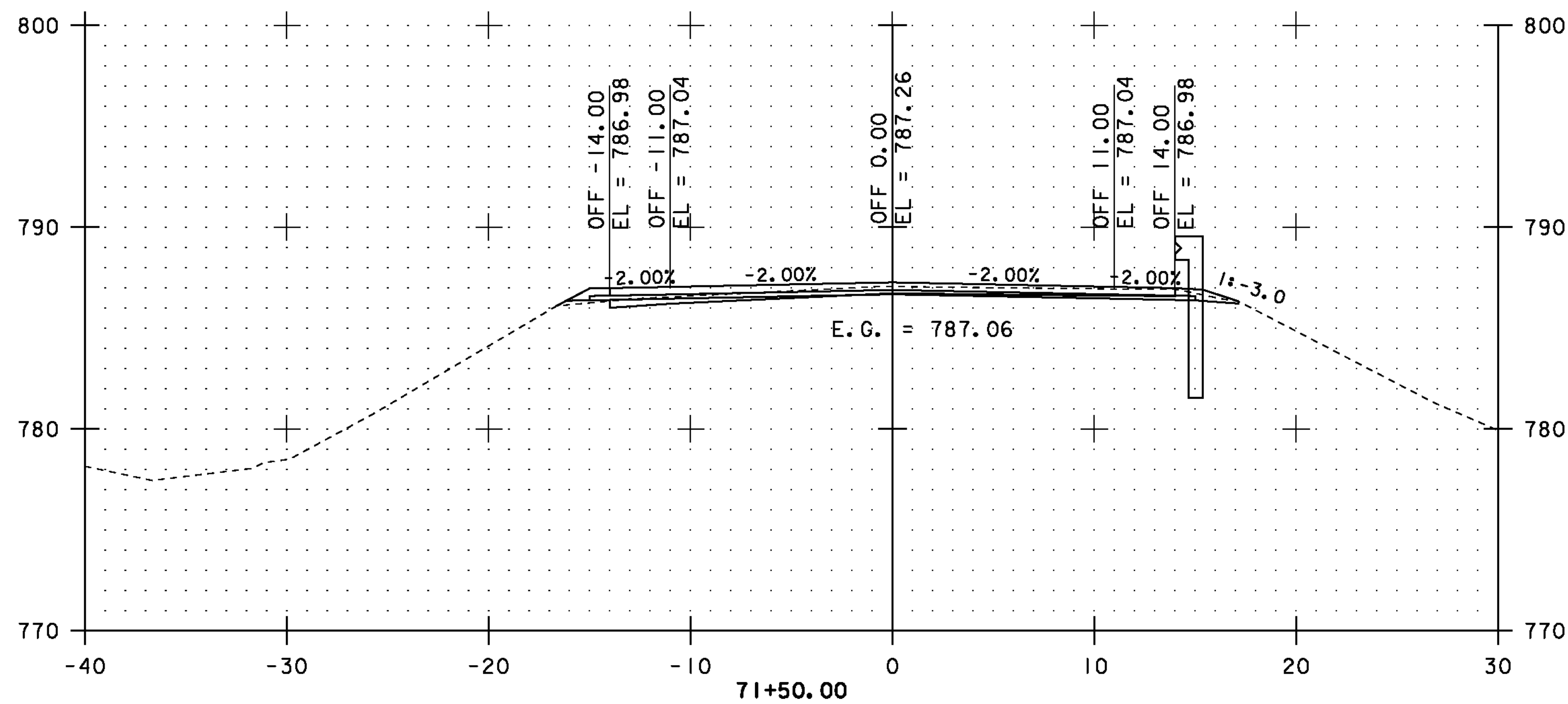
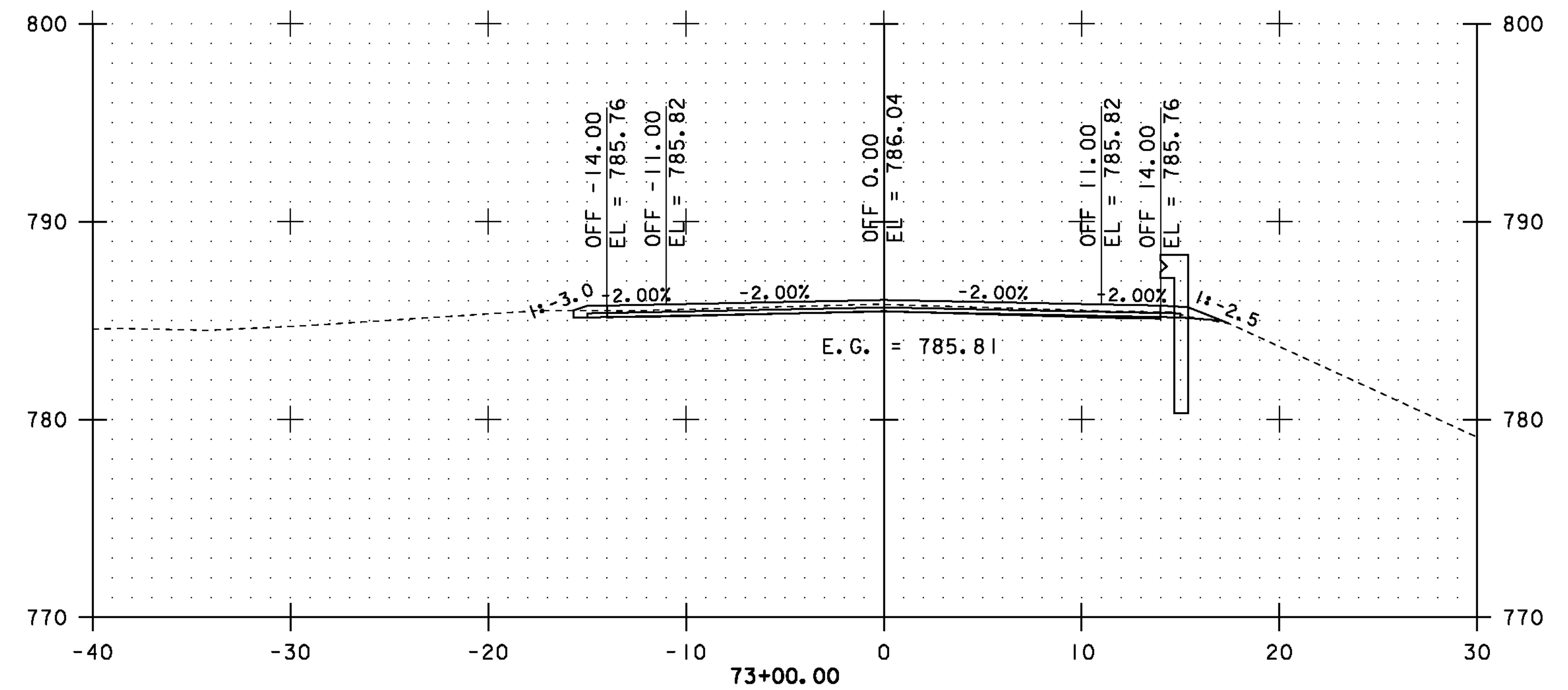
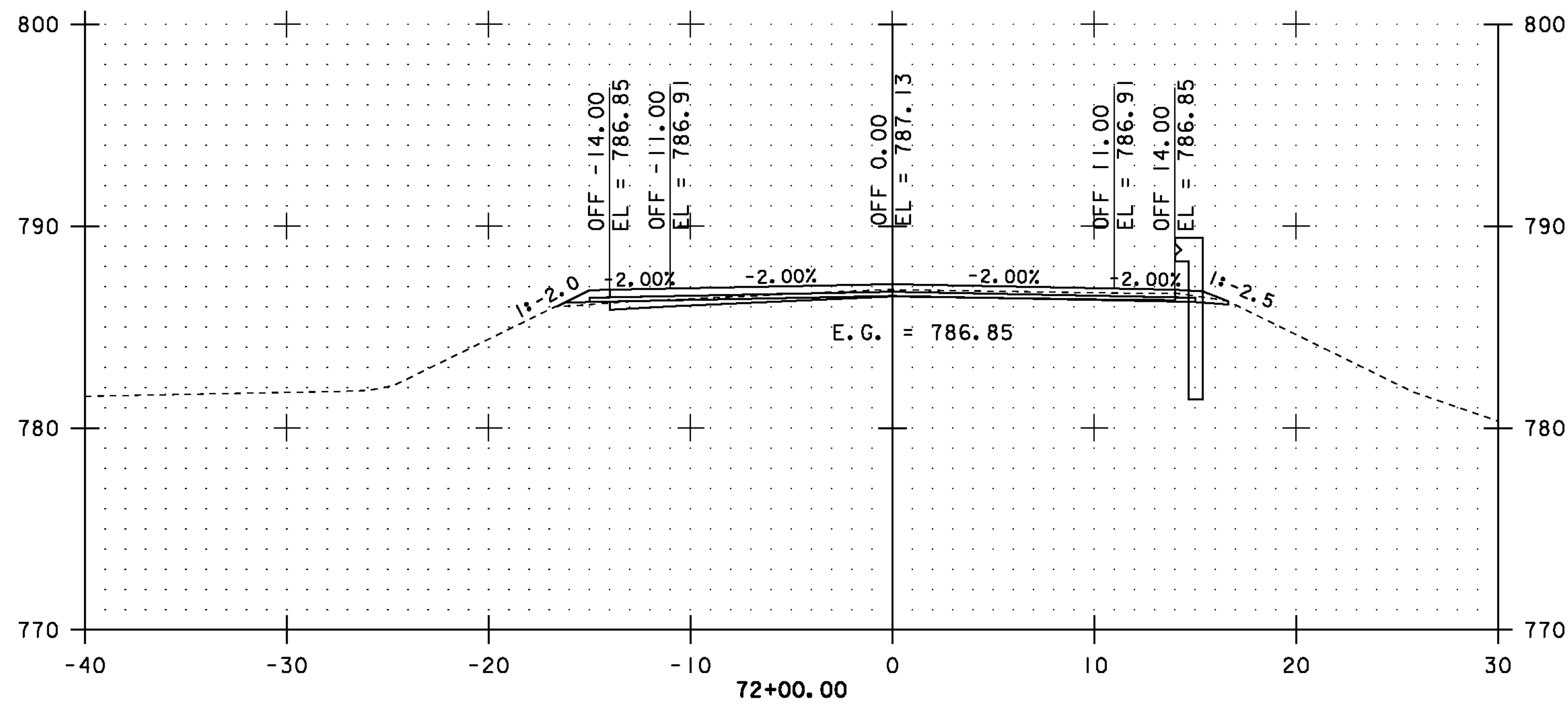
IPARM FILE: p01c052xss27.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 77 OF 107



STA. 71+50.00 TO STA. 73+00.00

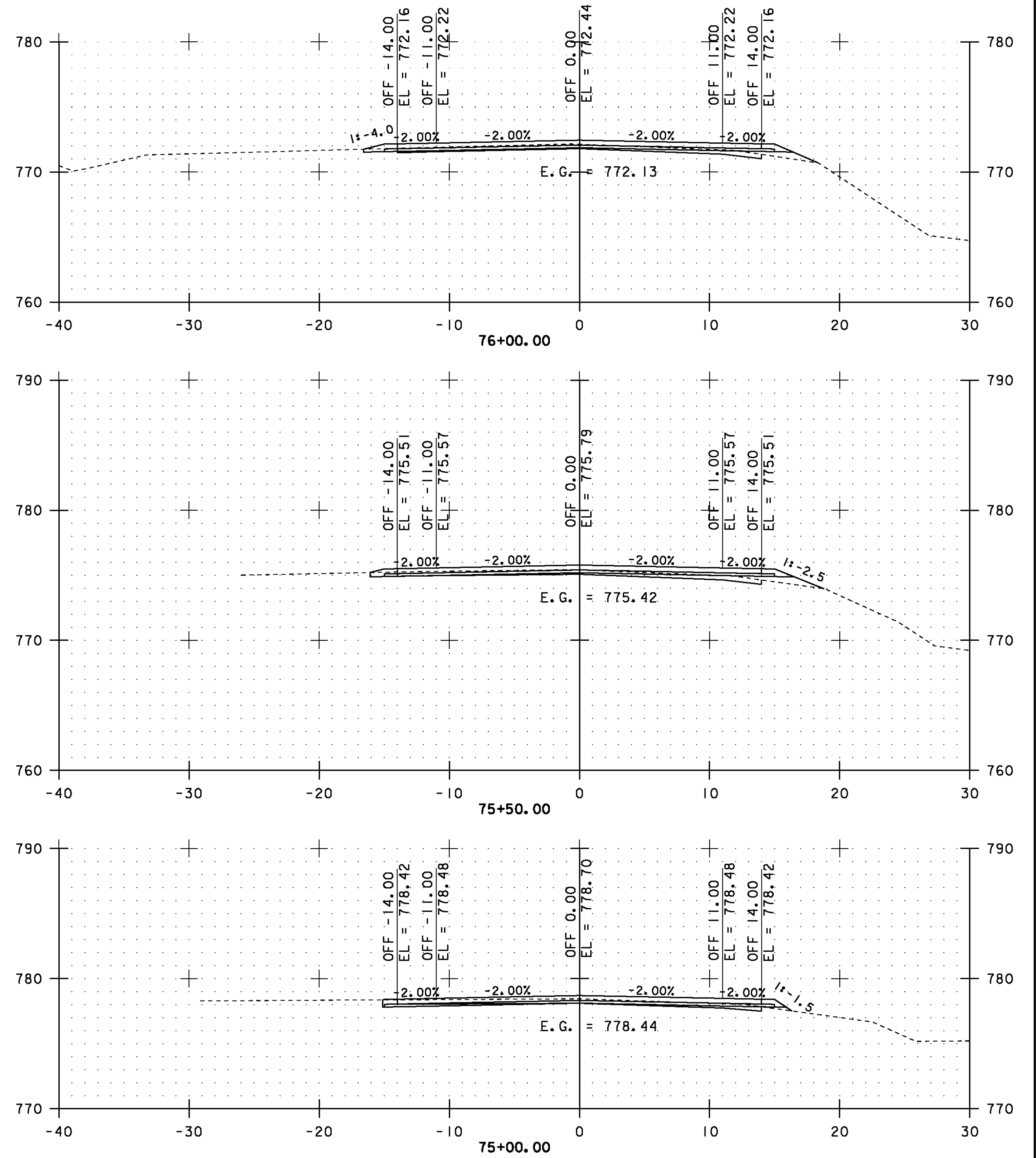
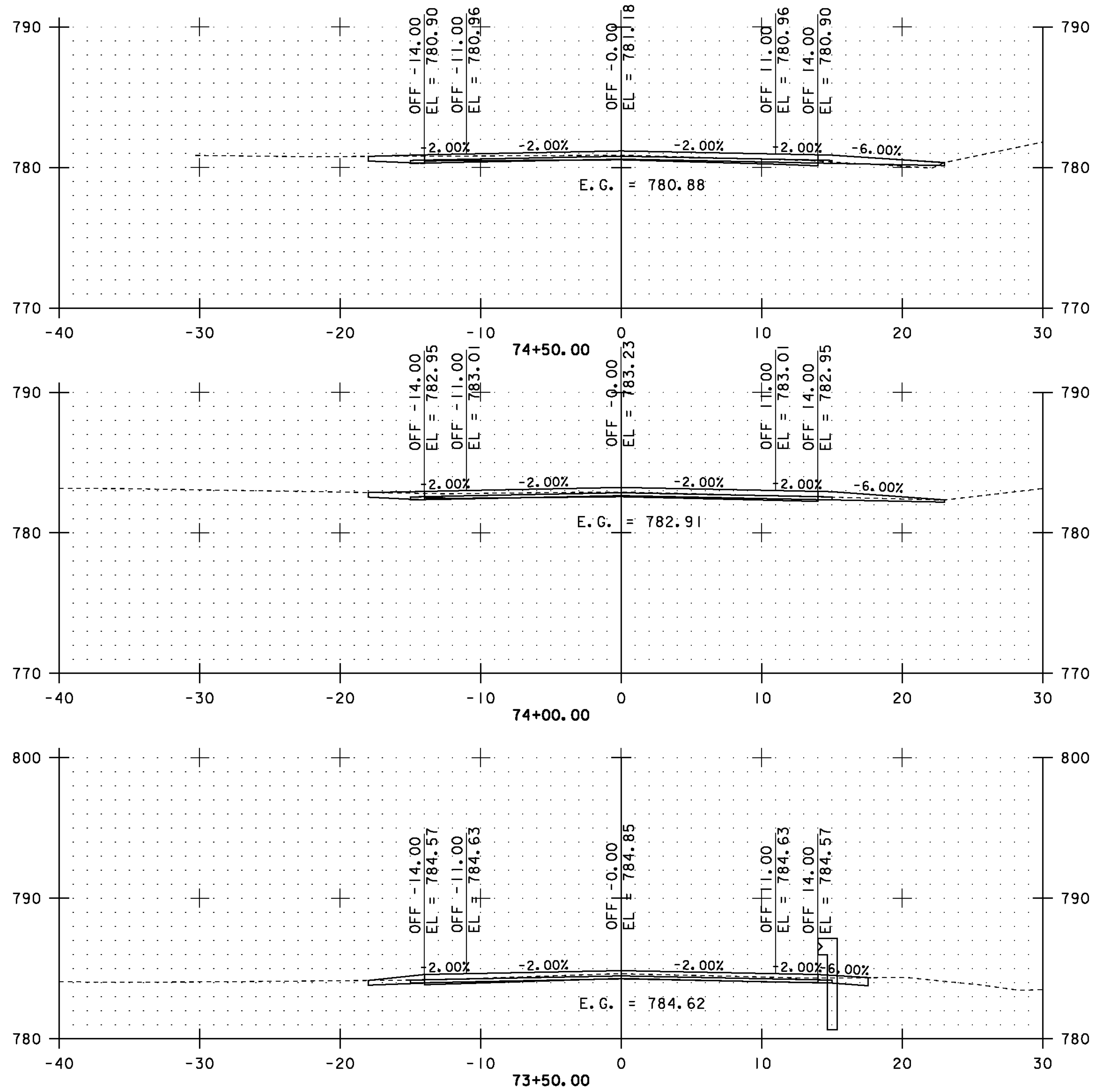


CROSS SECTIONS SHEET #28

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss28.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 78 OF 107



STA. 73+50.00 TO STA. 76+00.00

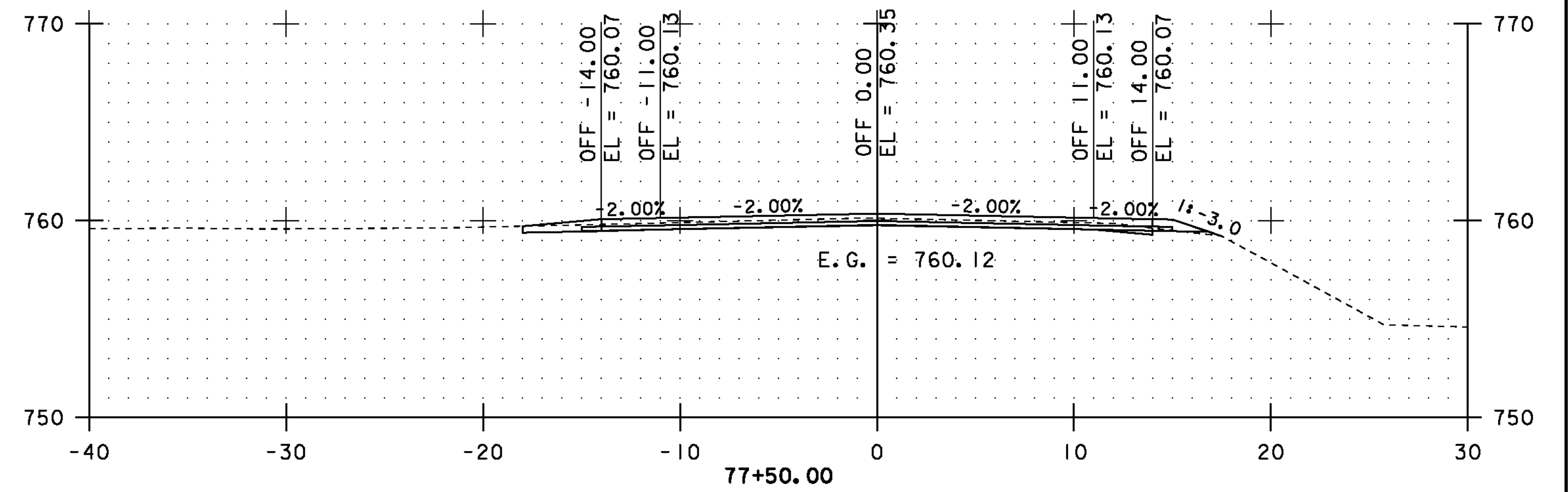
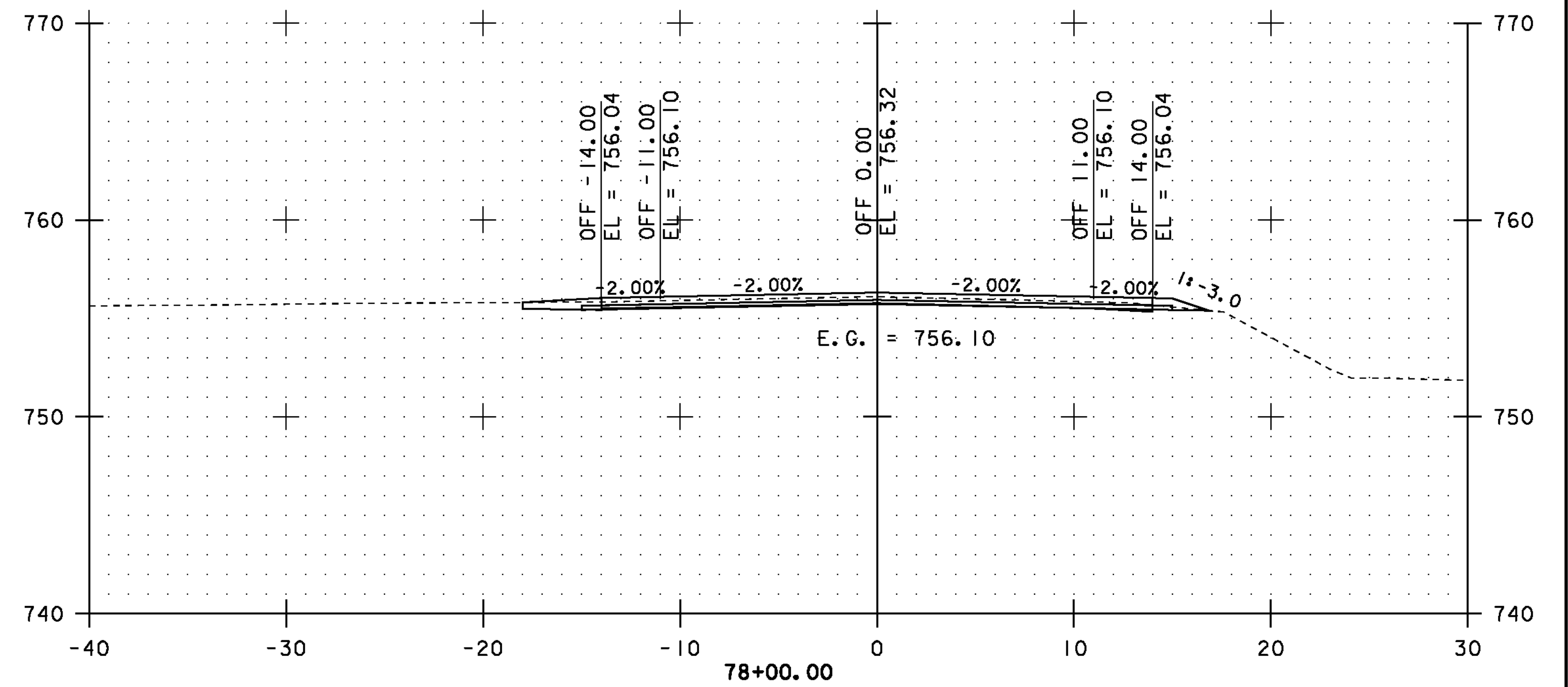
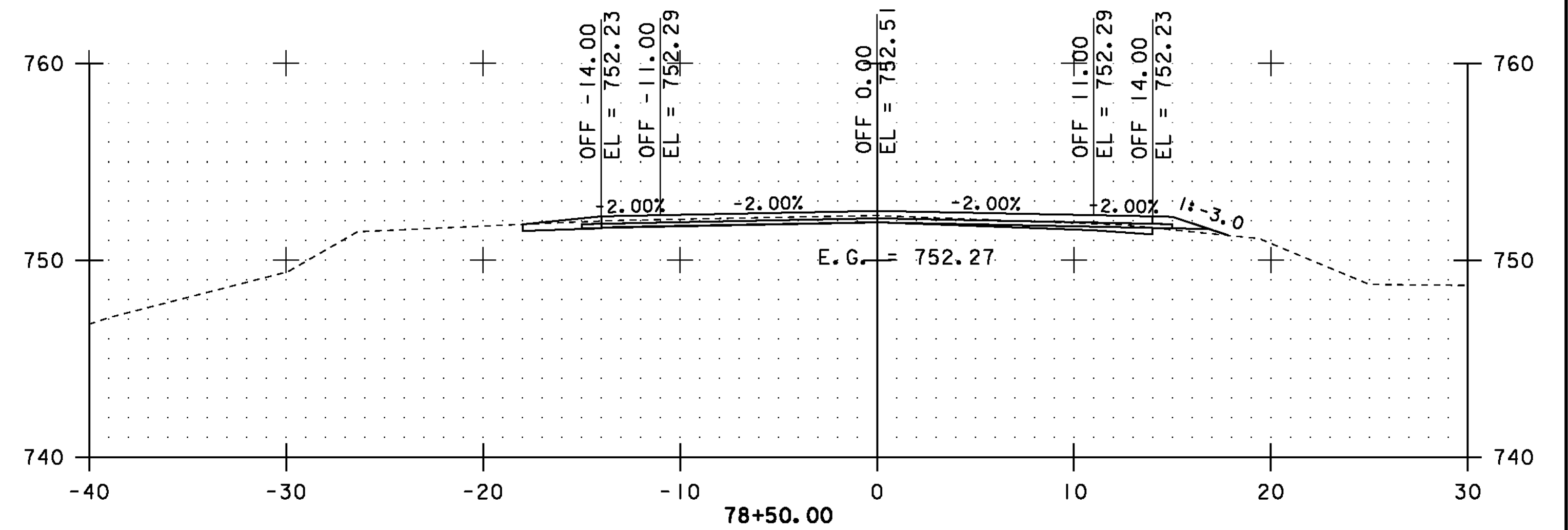
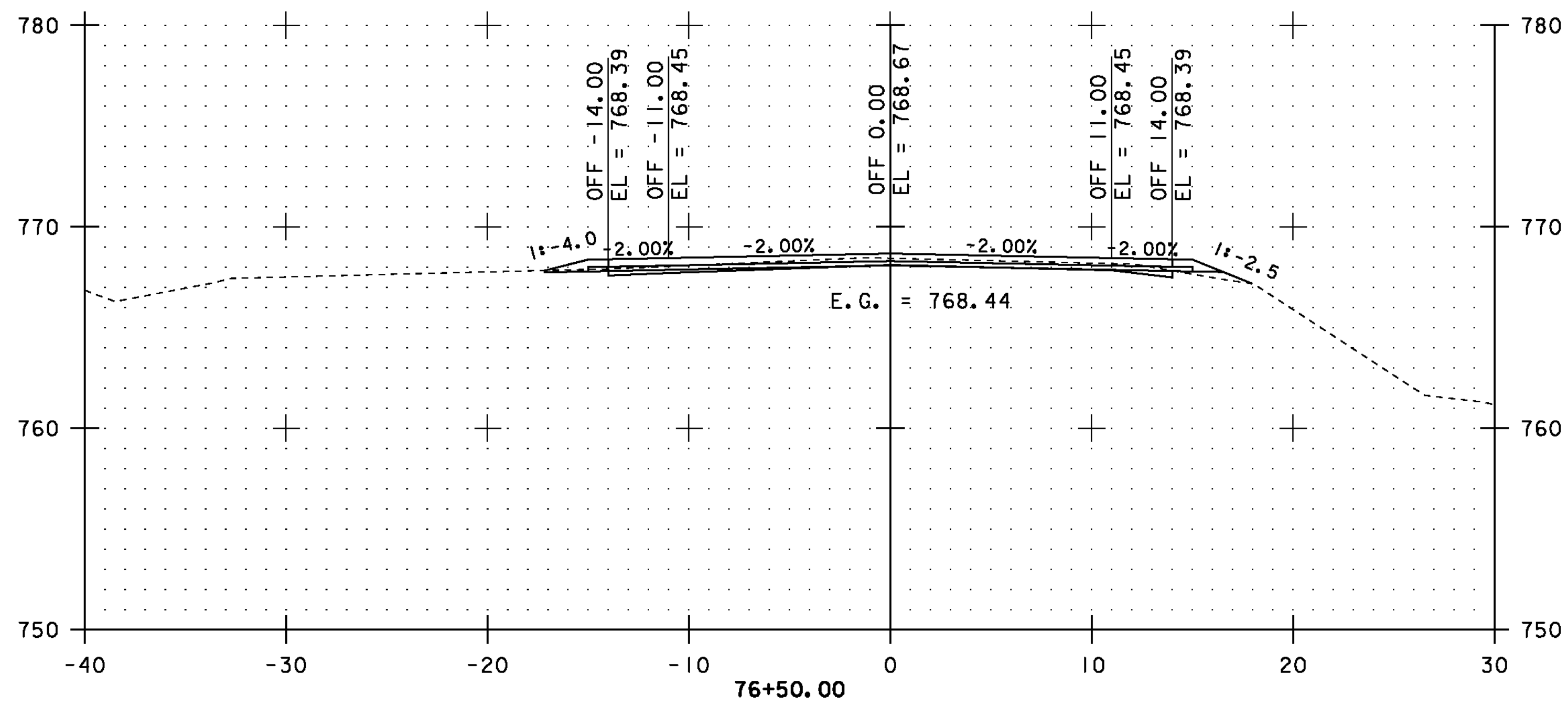
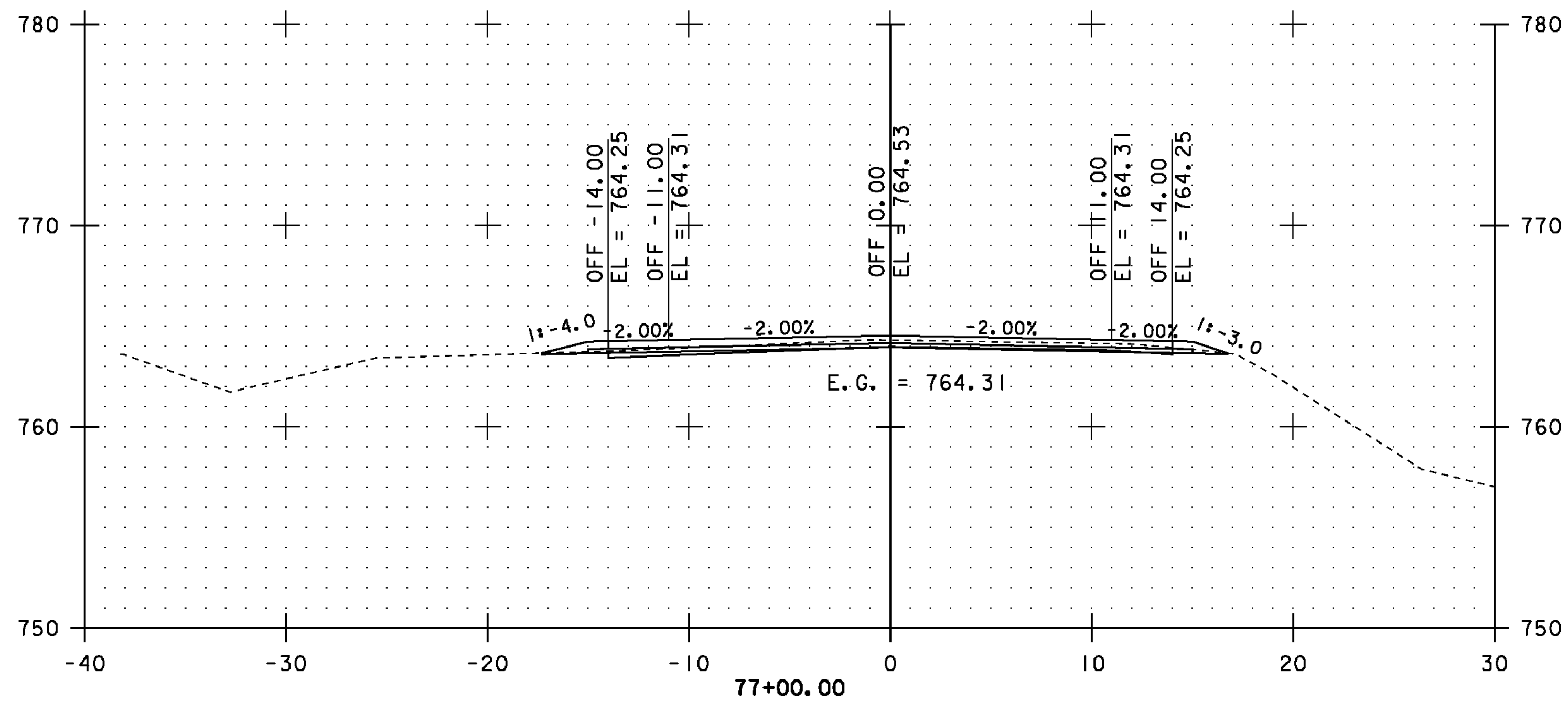


CROSS SECTIONS SHEET #29

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss29.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 79 OF 107



STA. 76+50.00 TO STA. 78+50.00



CROSS SECTIONS SHEET #30

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

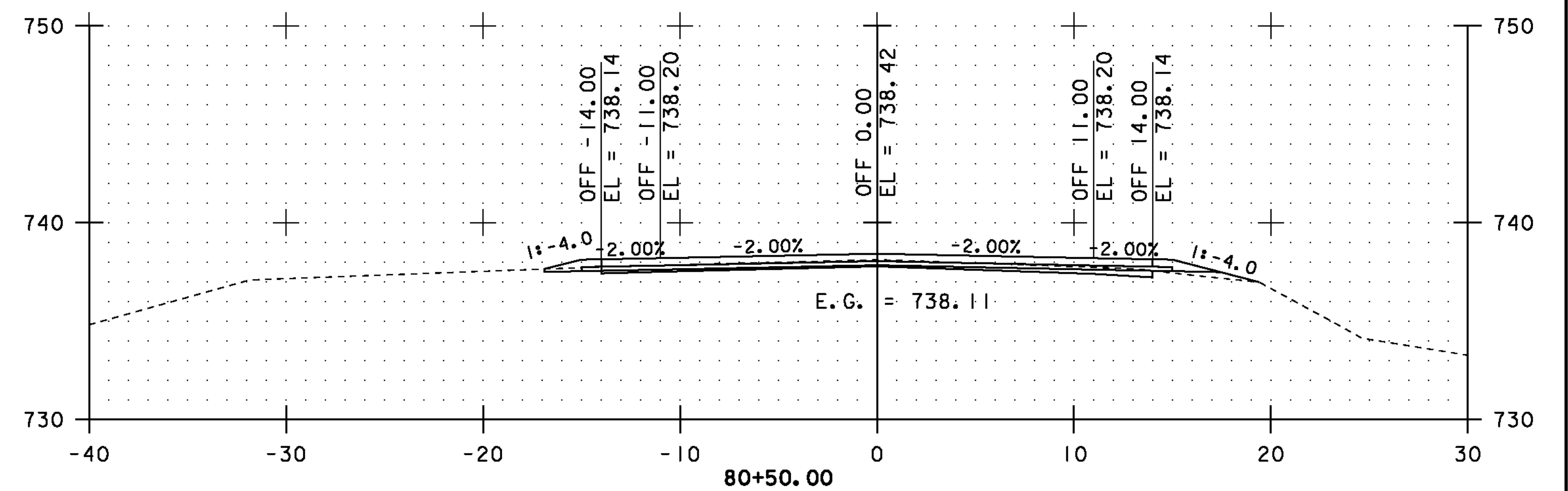
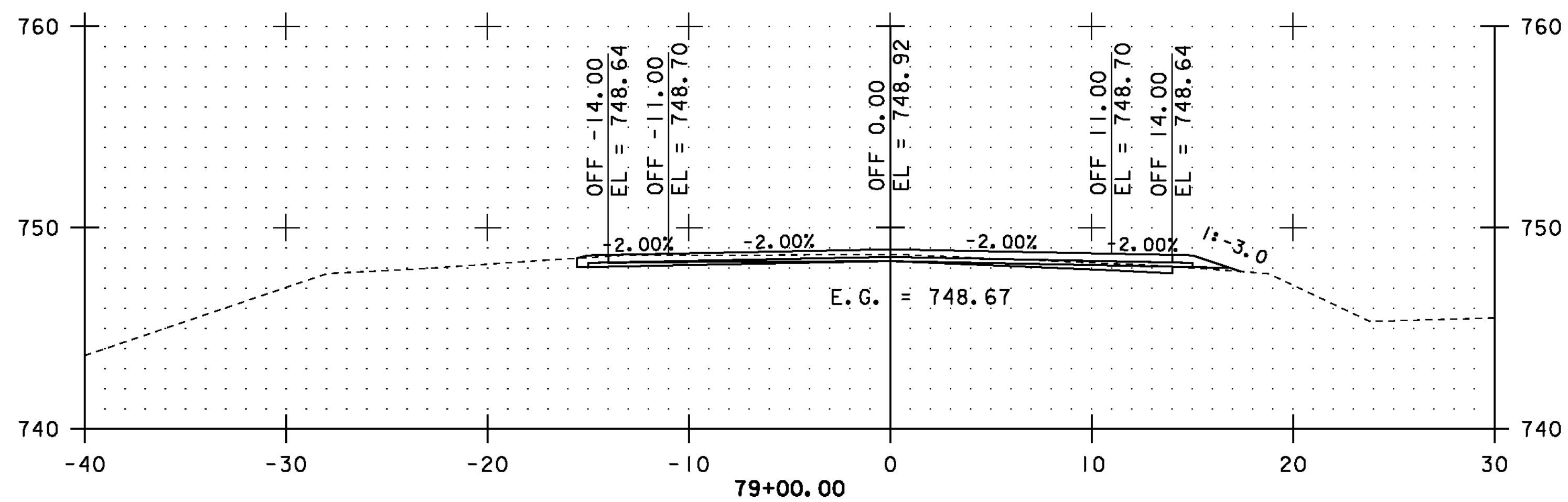
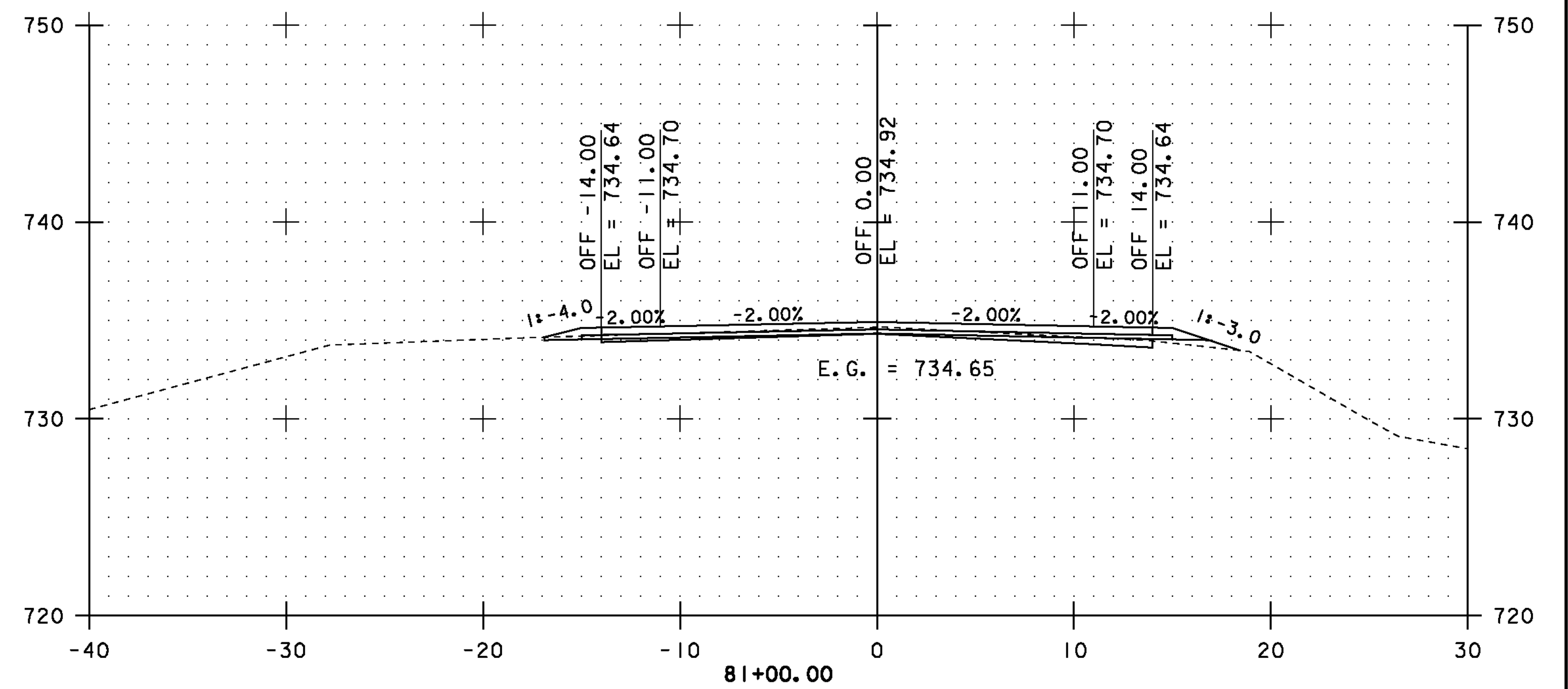
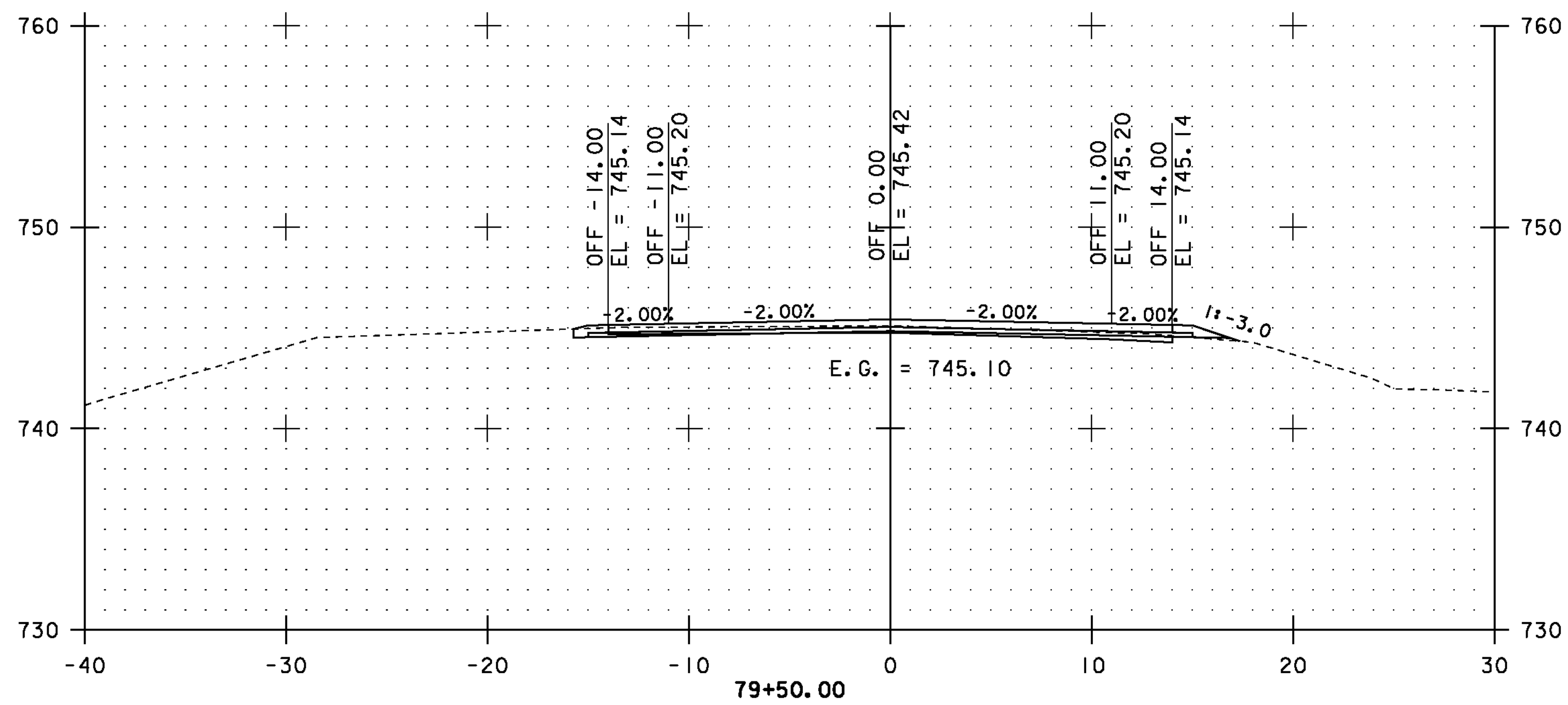
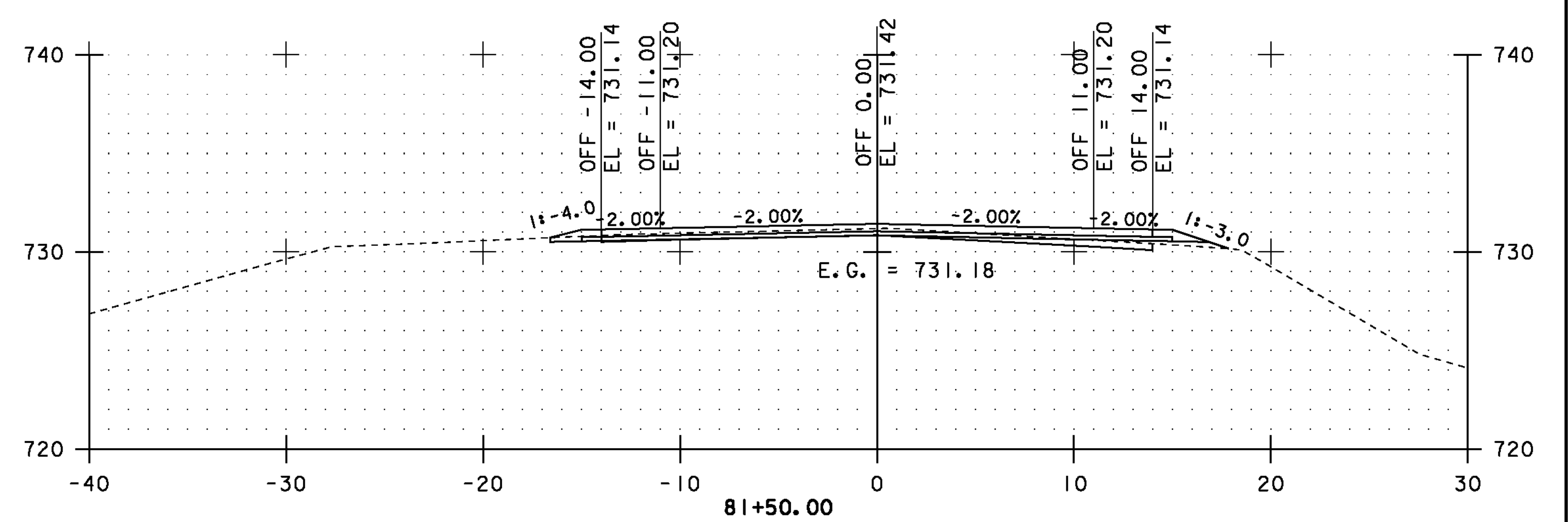
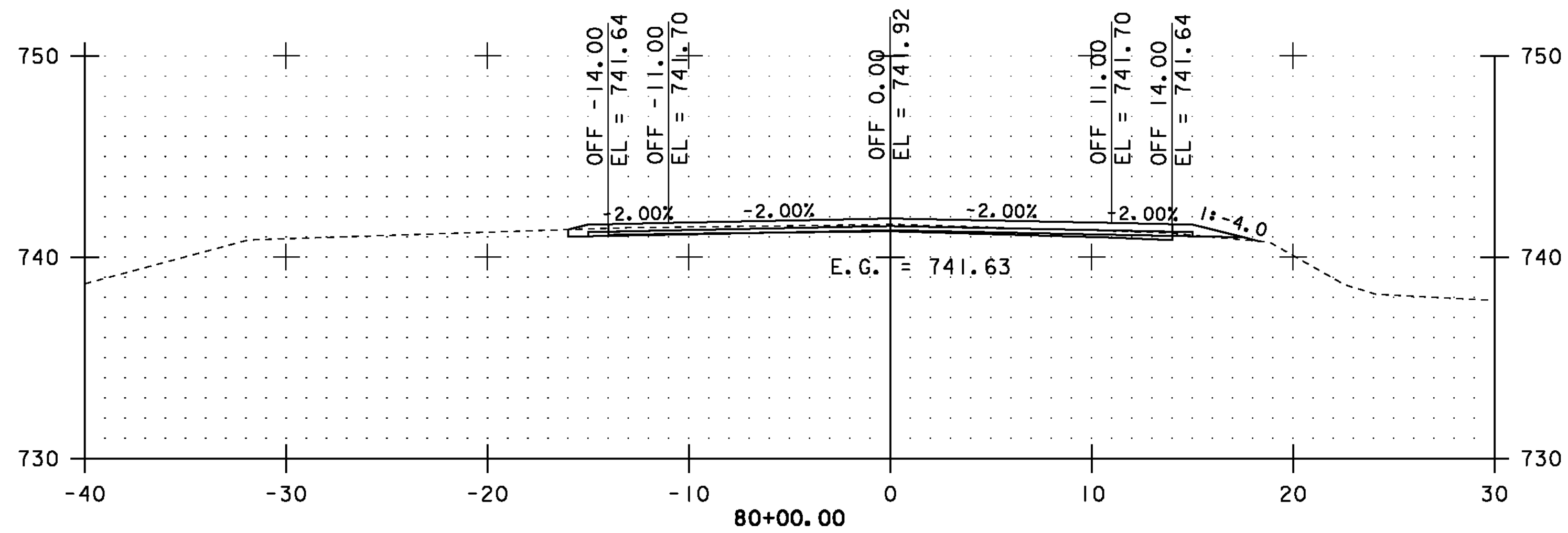
IPARM FILE: p01c052xss30.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 80 OF 107



STA. 79+00.00 TO STA. 81+50.00

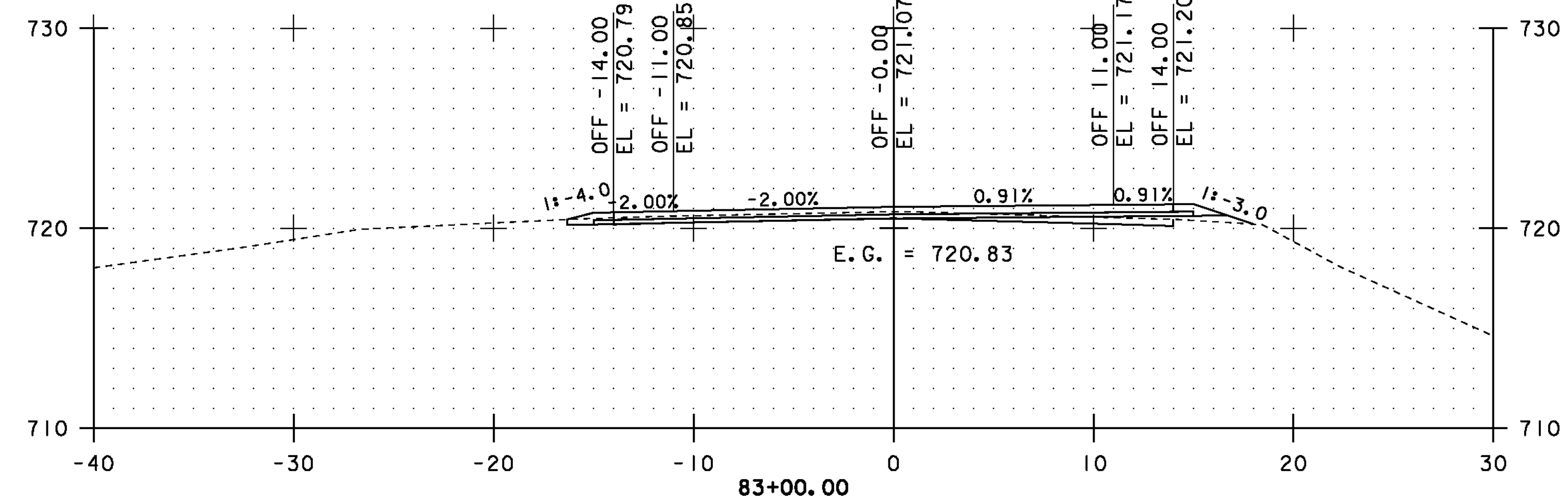
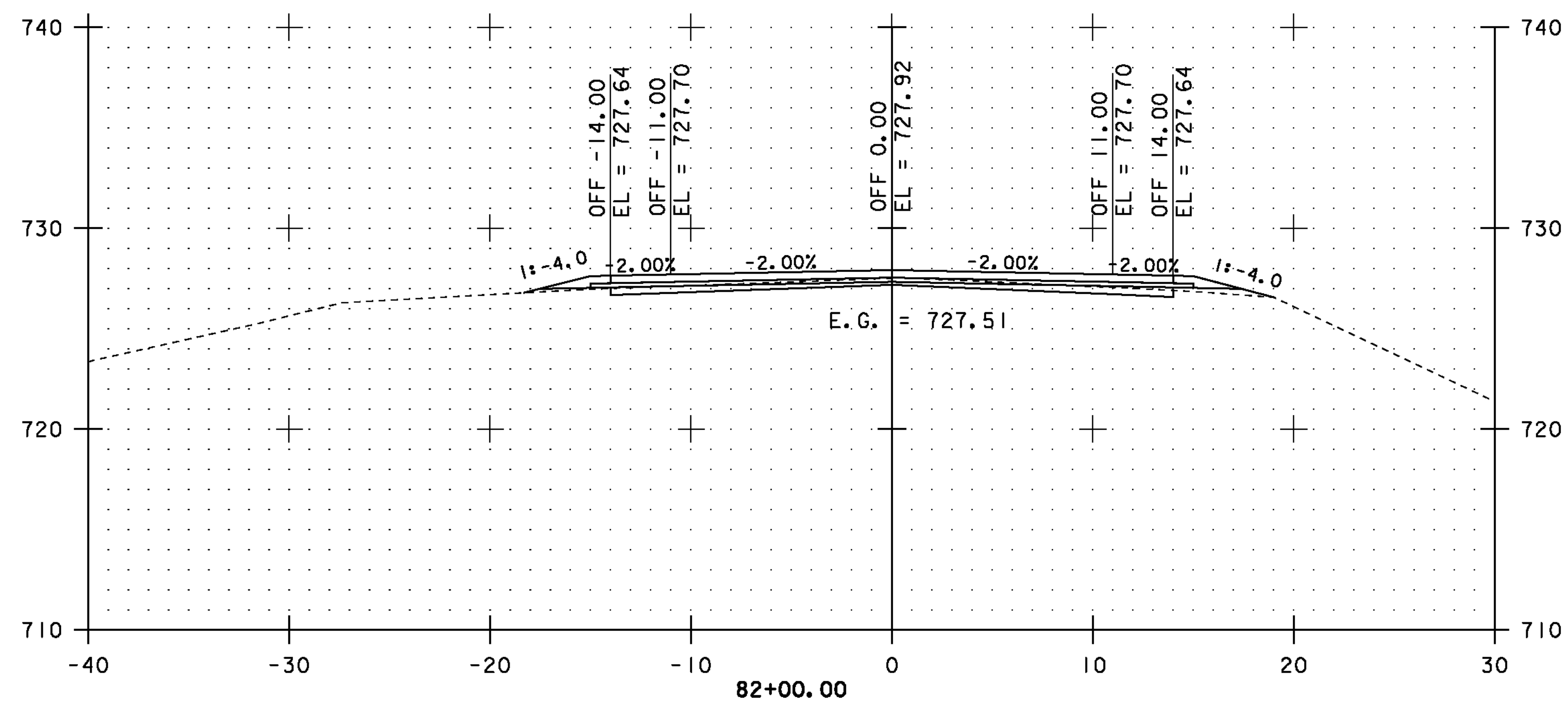


CROSS SECTIONS SHEET #31

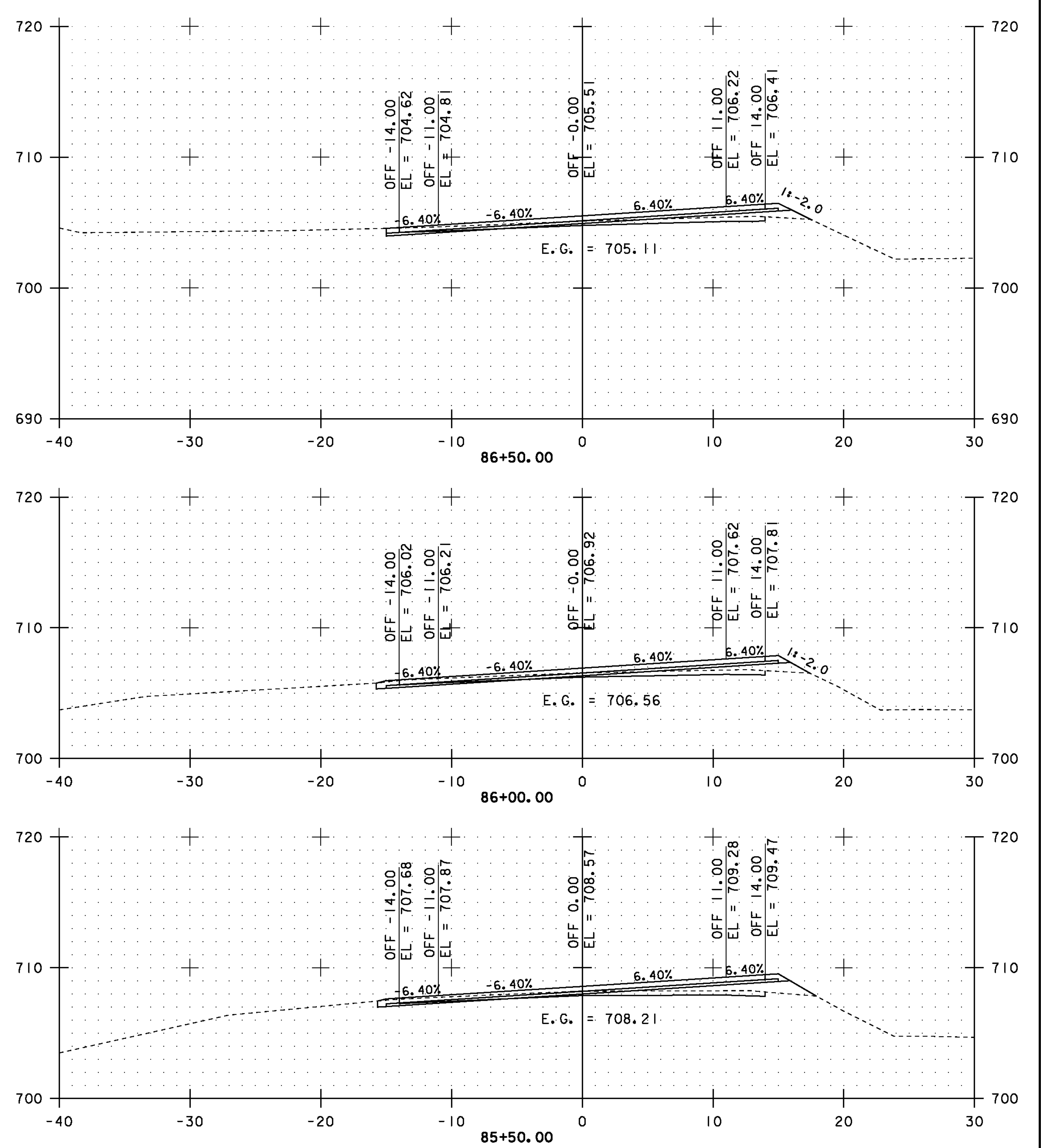
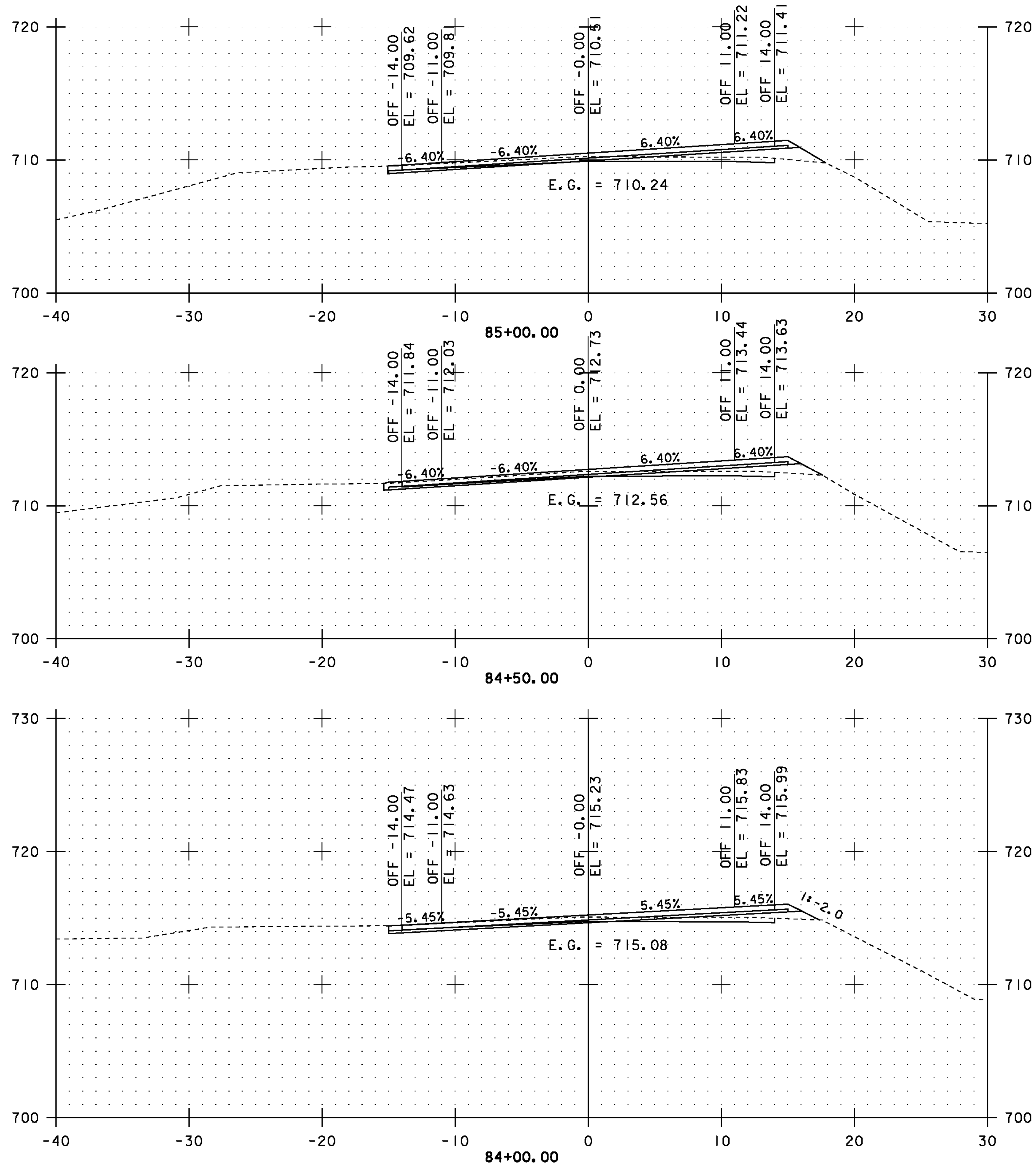
PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss31.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 81 OF 107



PROJECT NAME: COVENTRY-NEWPORT CITY	
PROJECT NUMBER: STP 2308(I)	
FILE NAME: p01c052.dgn	PLOT DATE: 18-MAY-2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p01c052.xss32.i	SHEET 82 OF 107



STA. 84+00.00 TO STA. 86+50.00

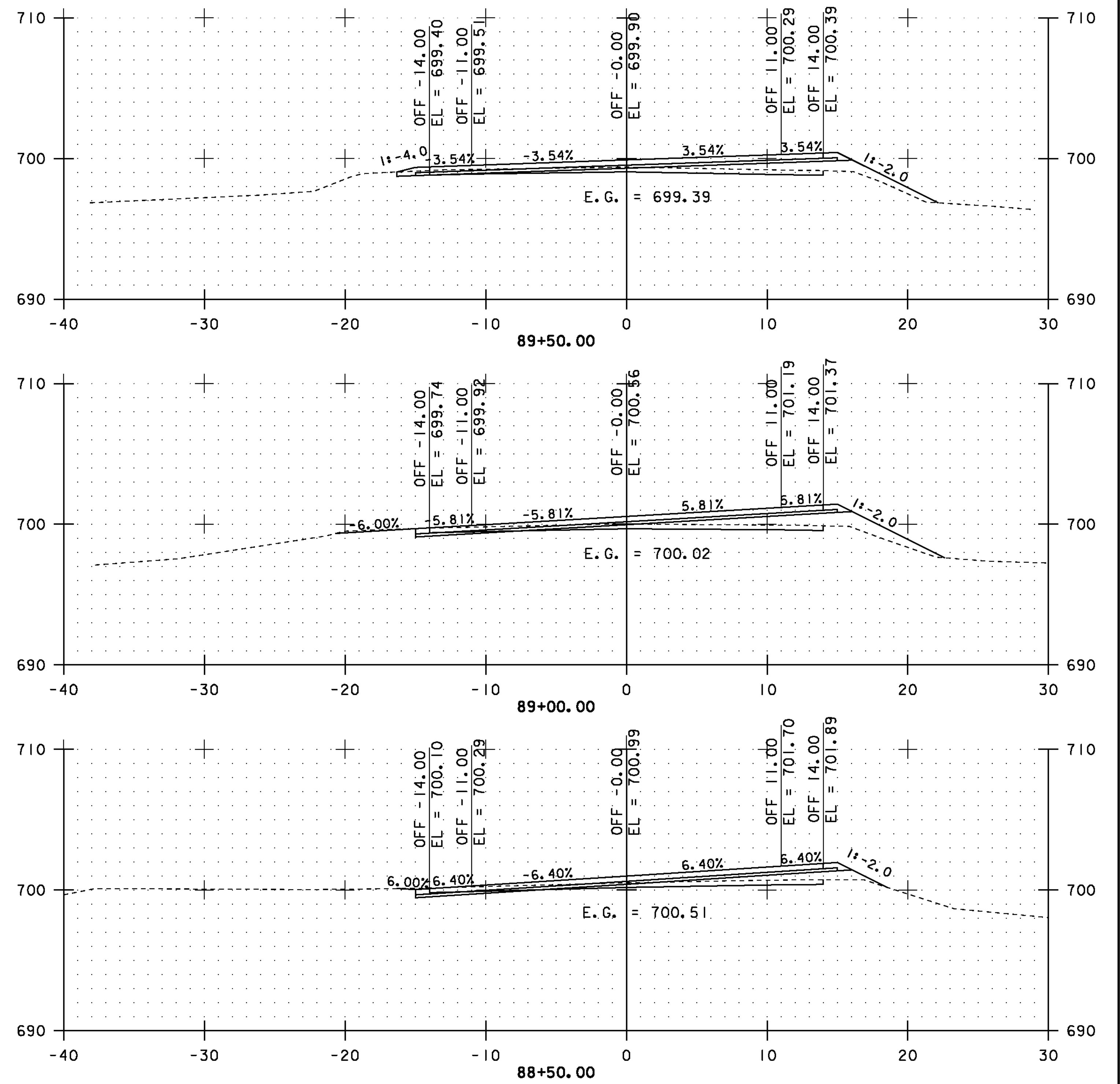
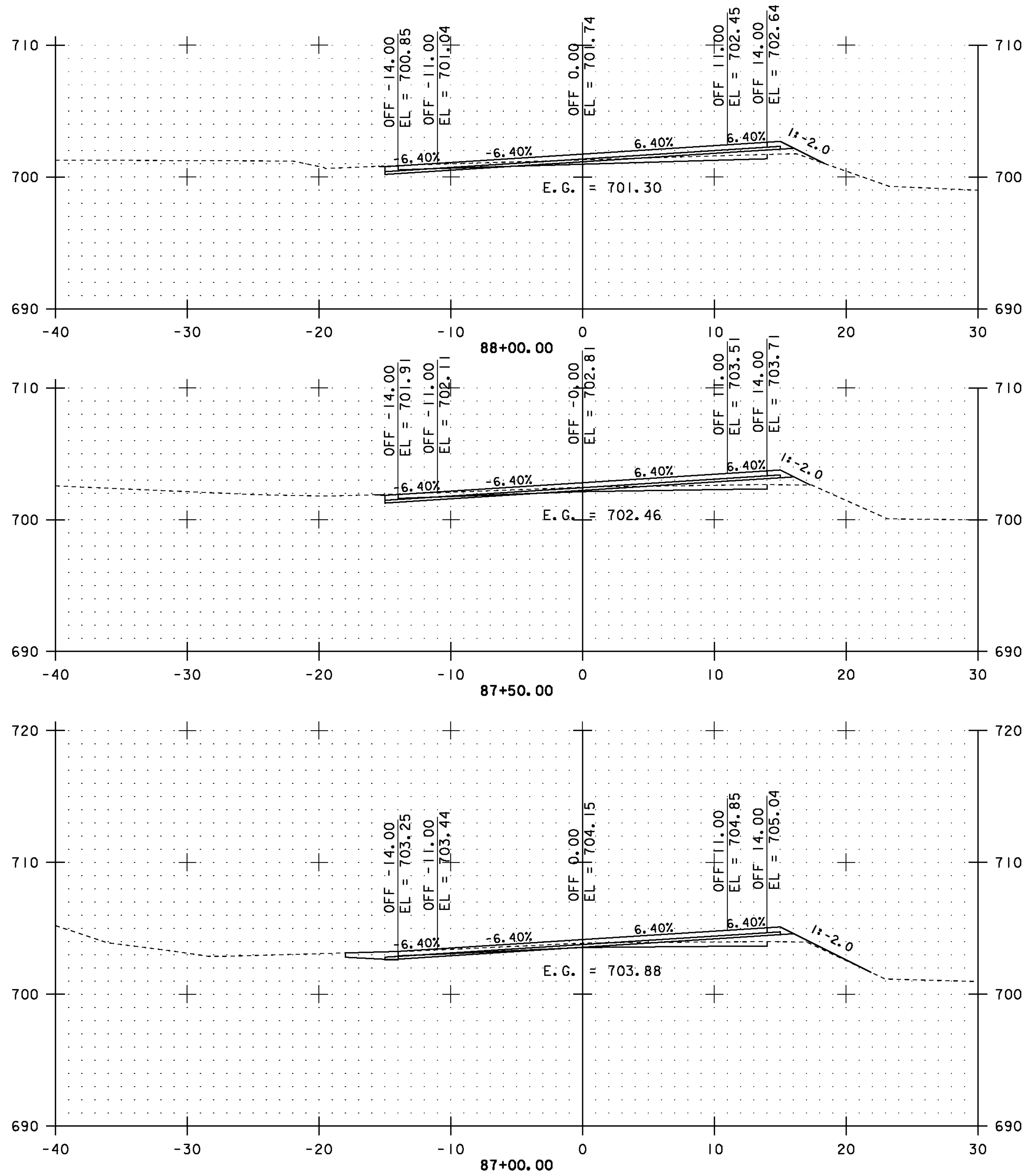


CROSS SECTIONS SHEET #33

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss33.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 83 OF 107



STA. 87+00.00 TO STA. 89+50.00

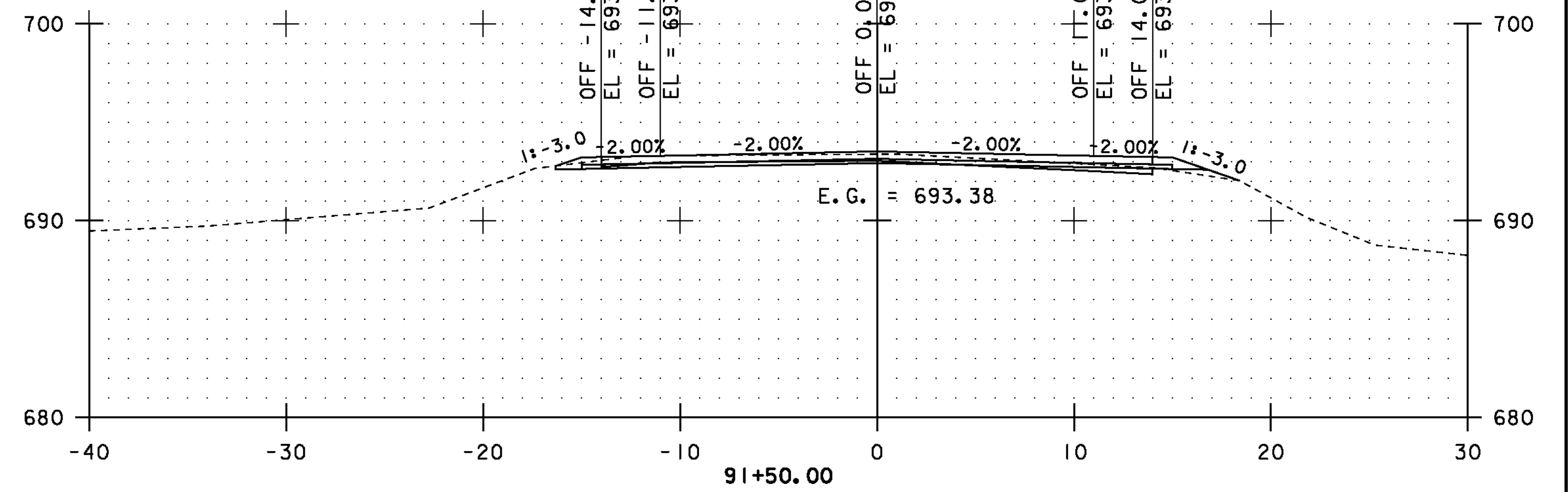
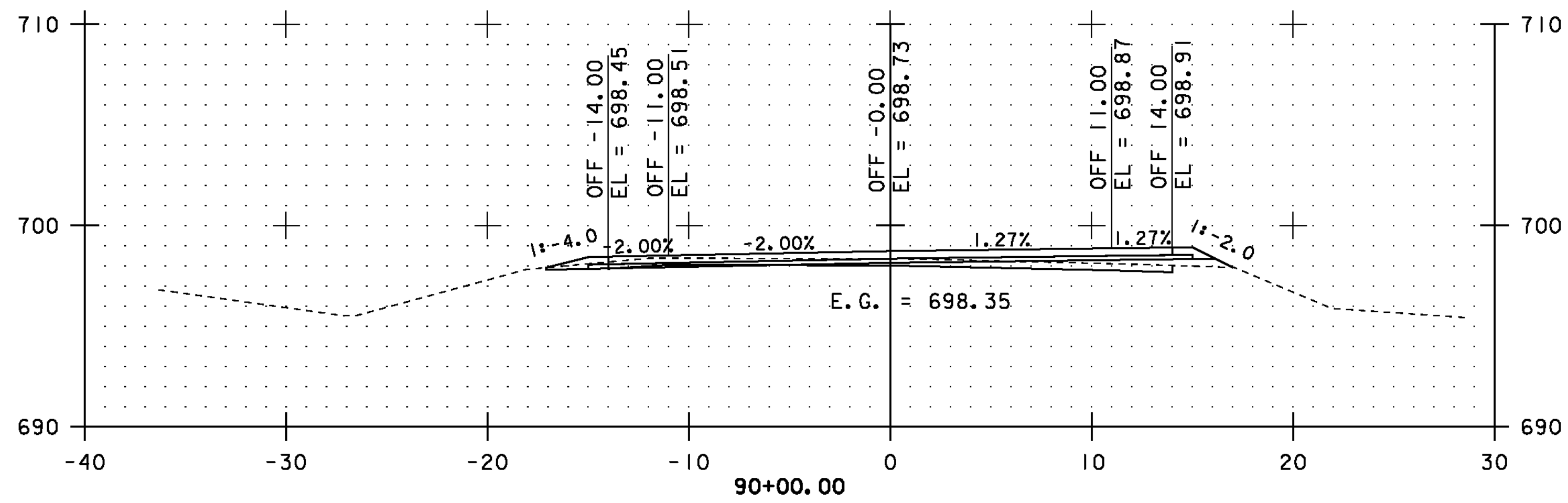
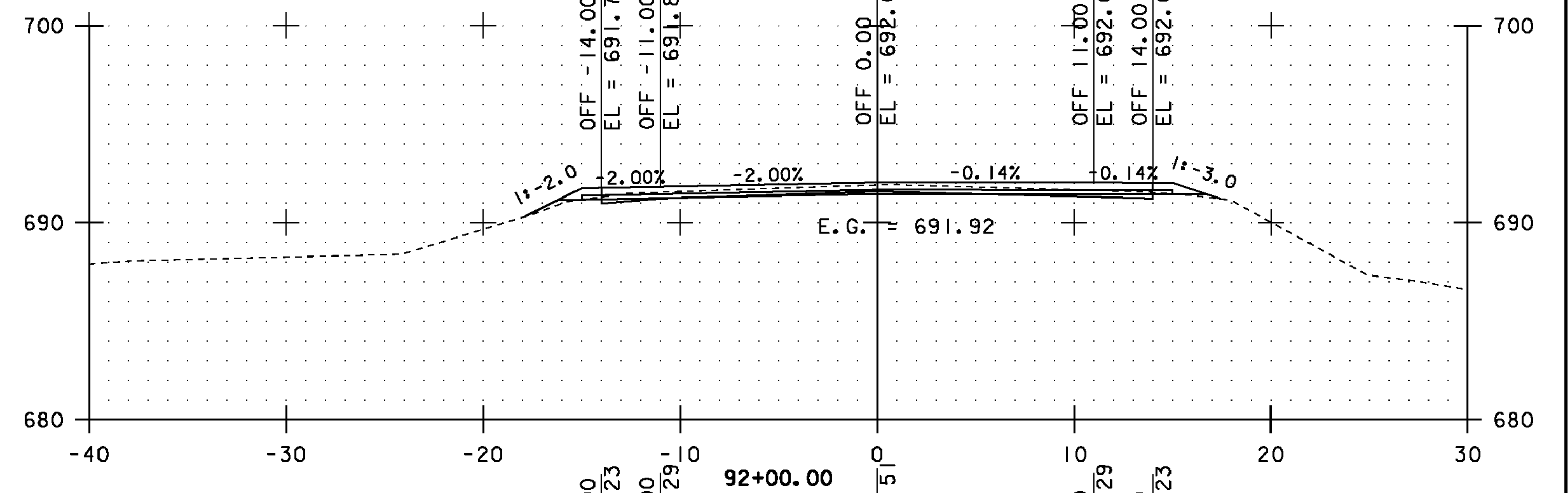
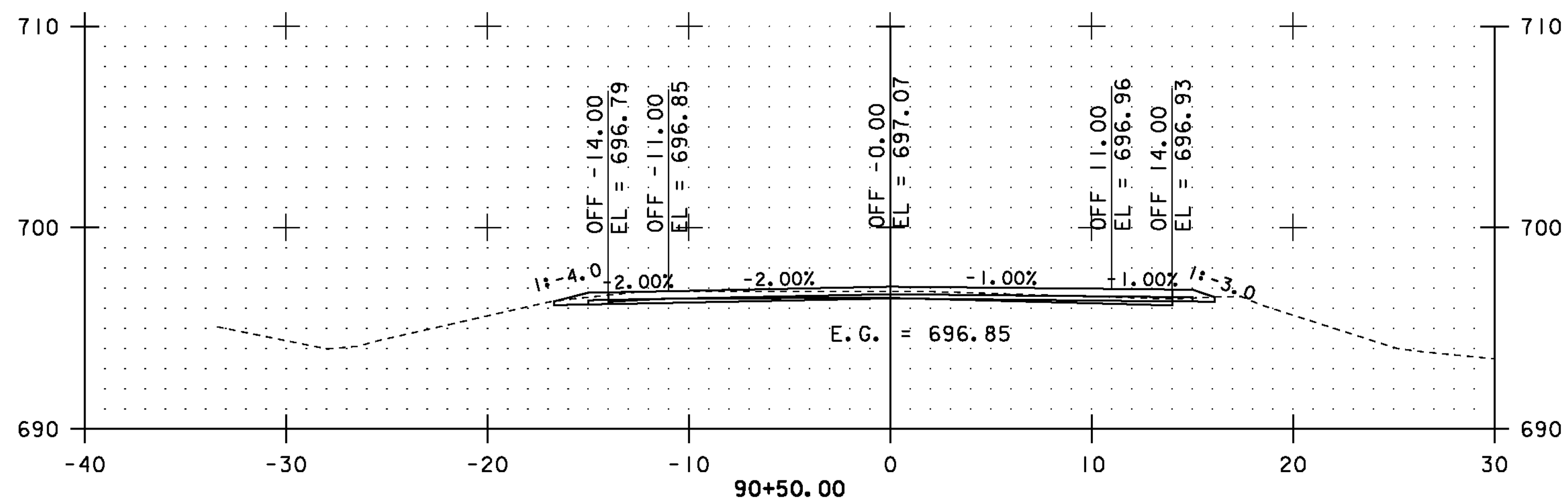
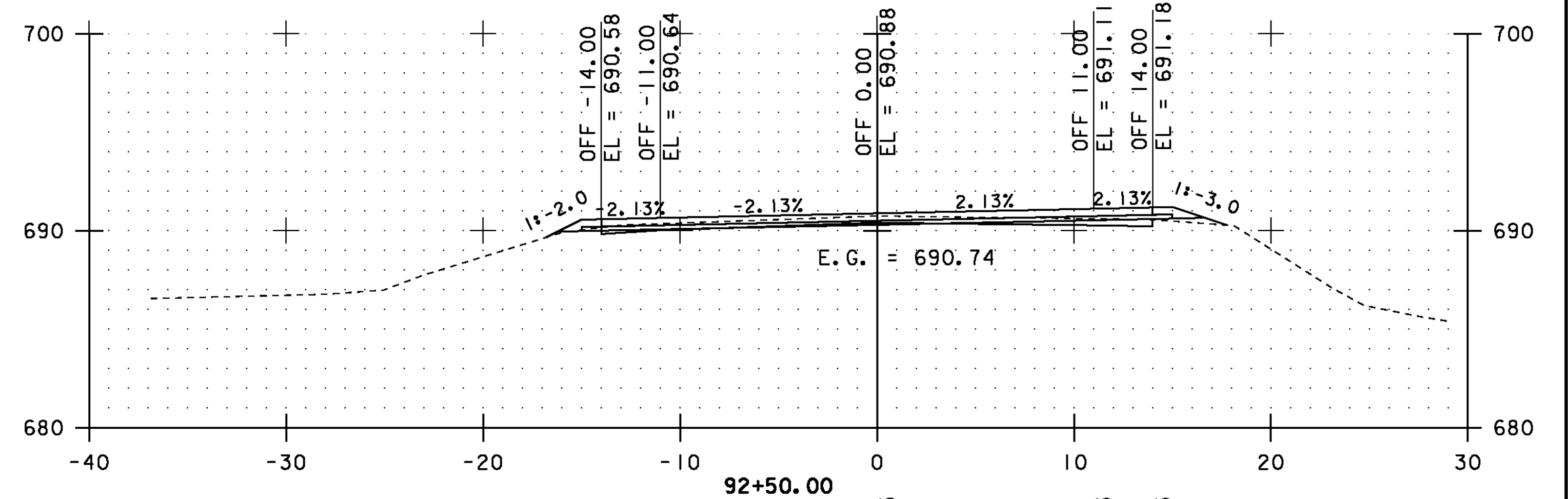
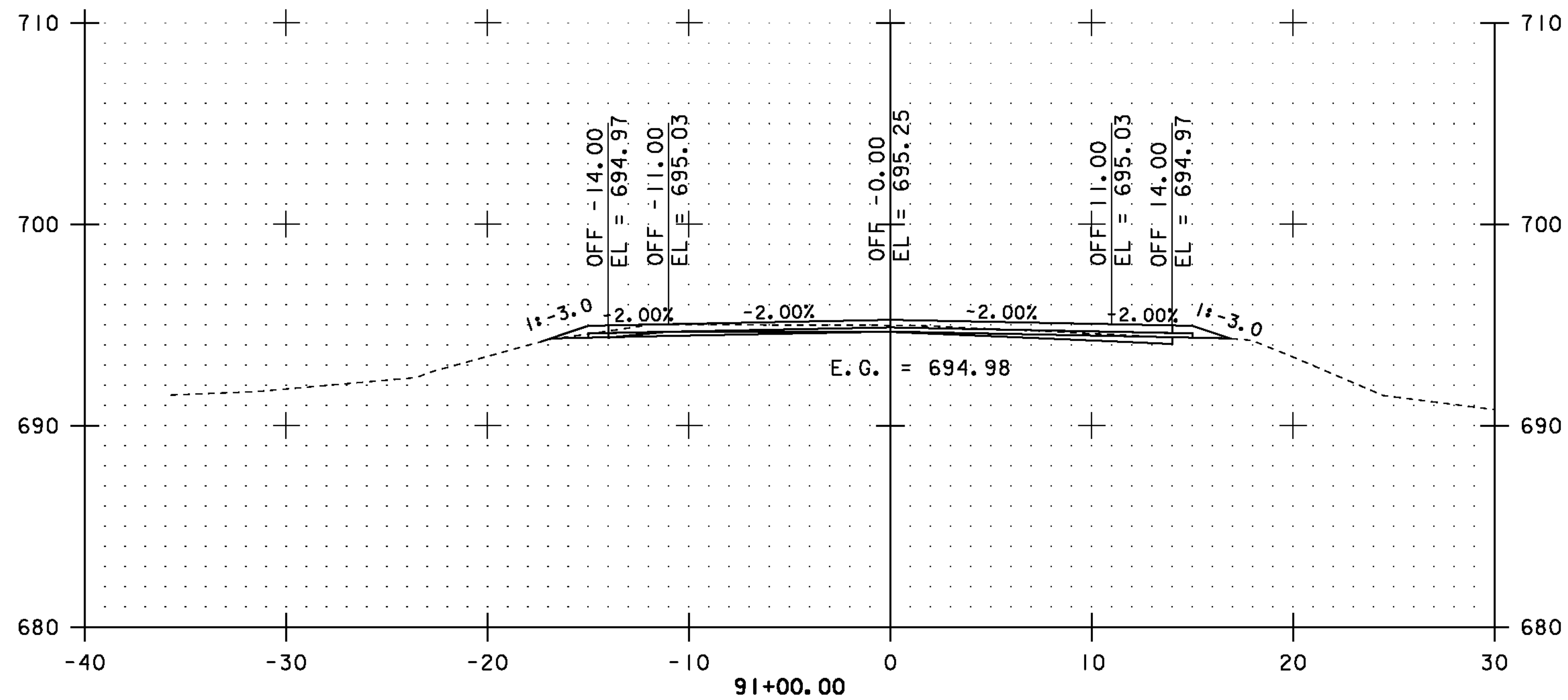


CROSS SECTIONS SHEET #34

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss34.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 84 OF 107



STA. 90+00.00 TO STA. 92+50.00

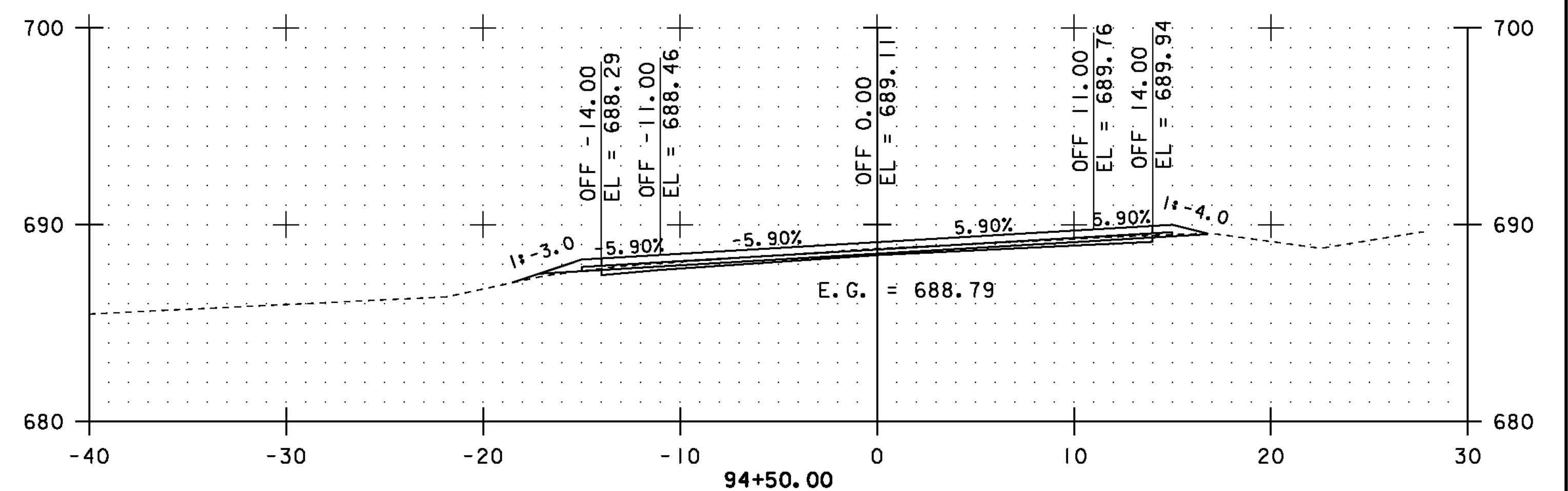
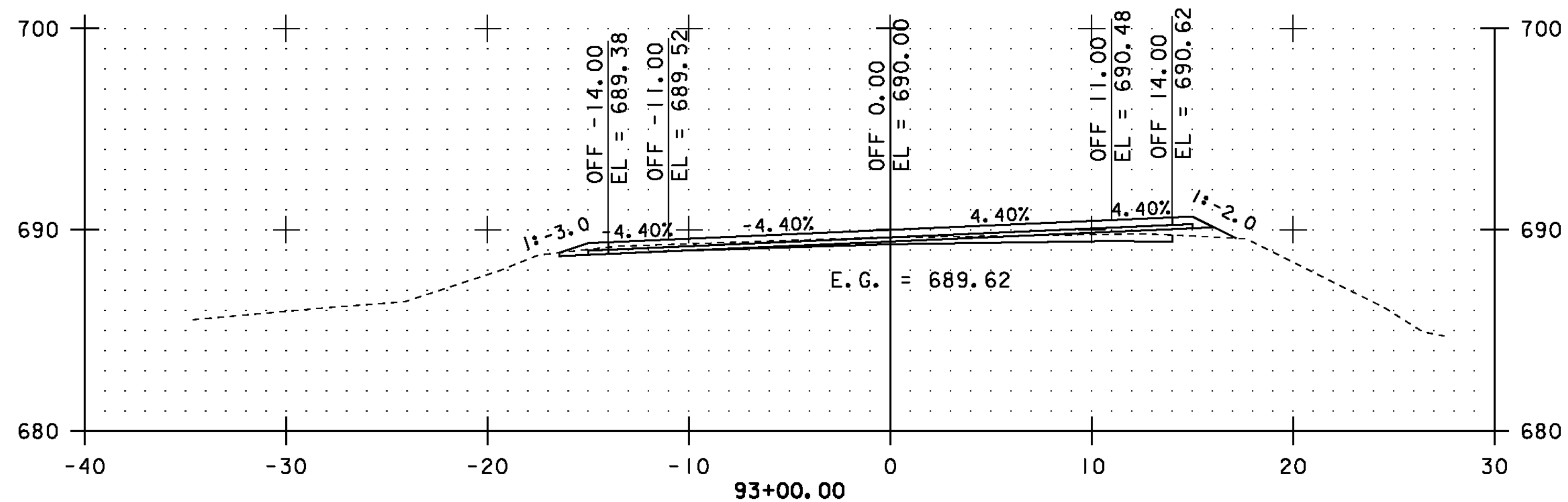
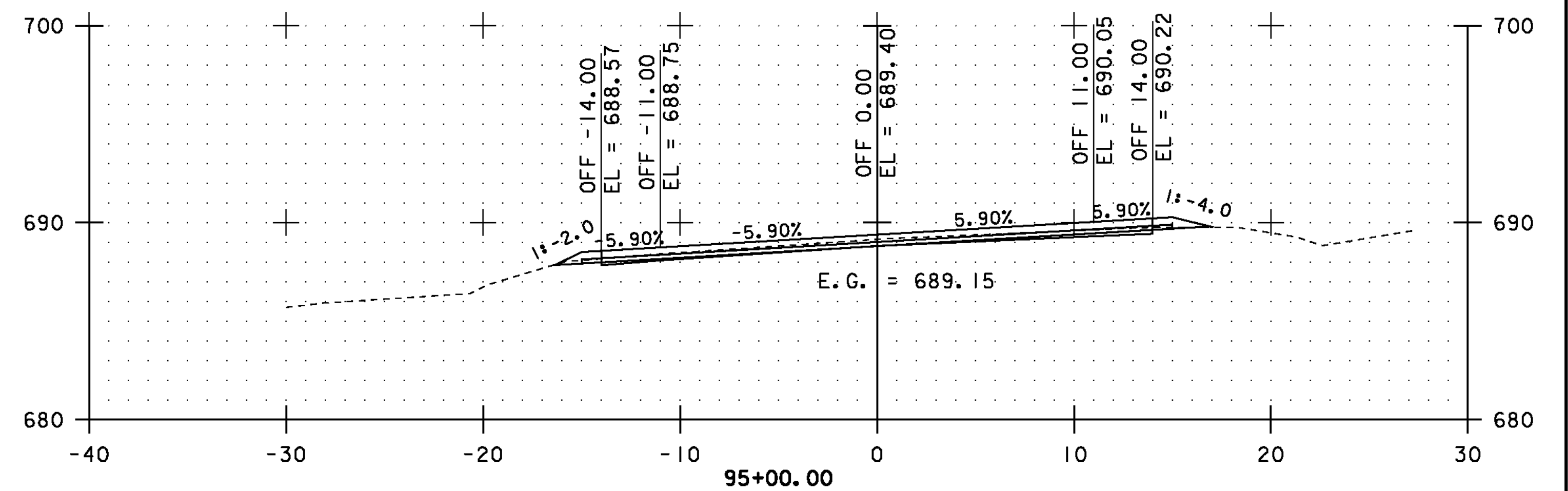
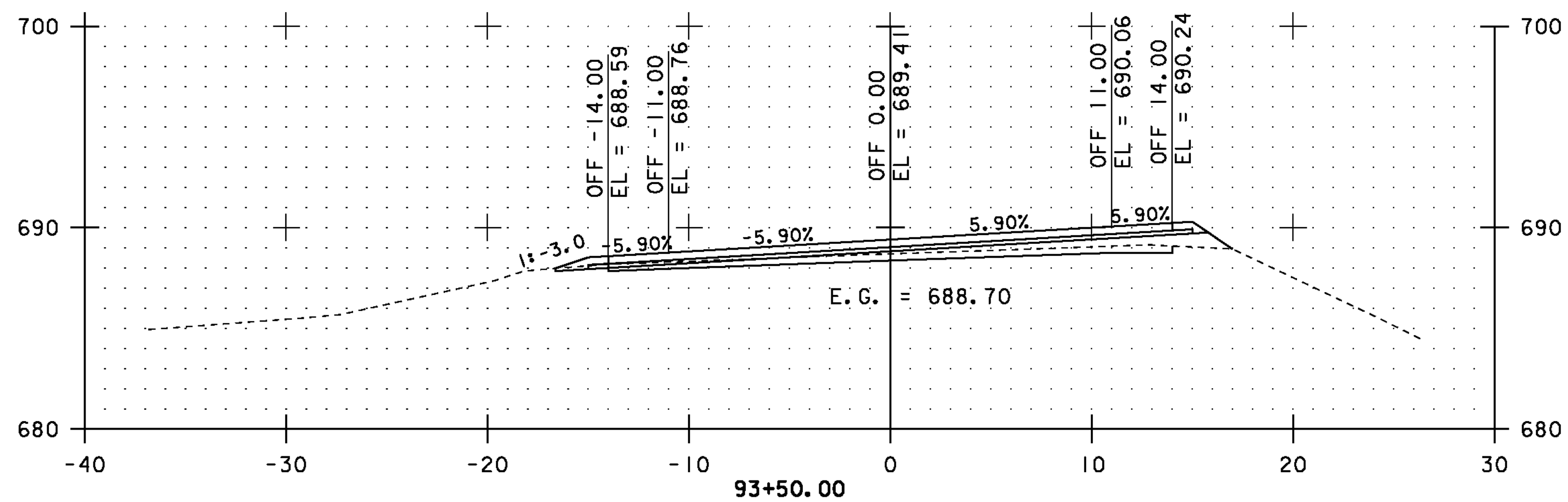
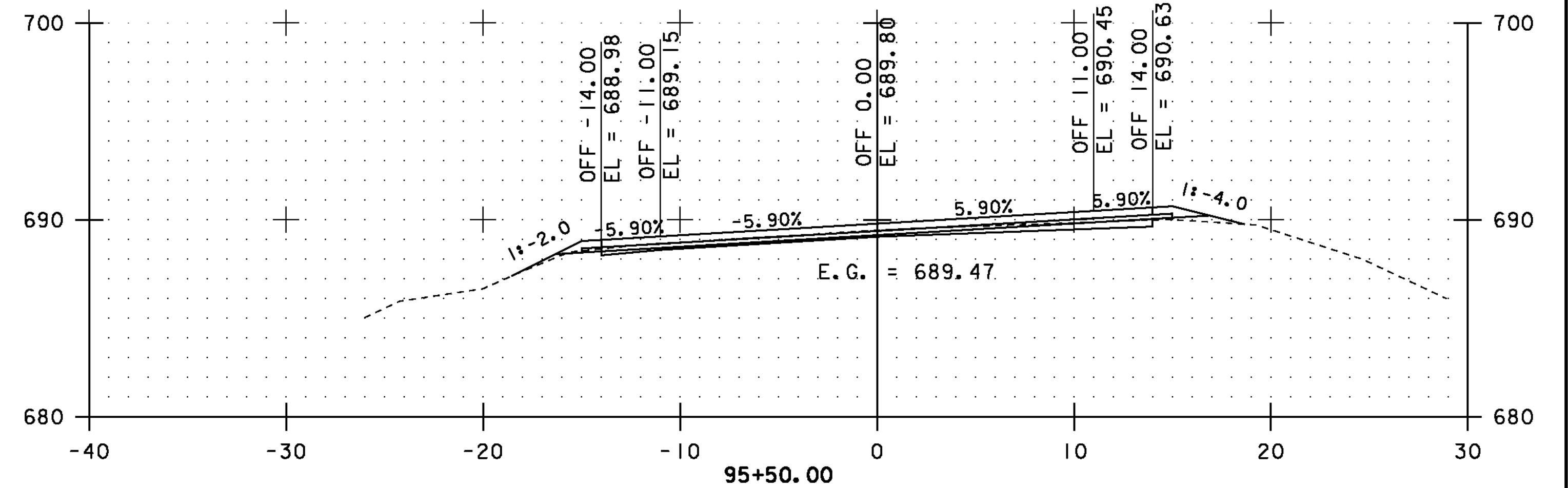
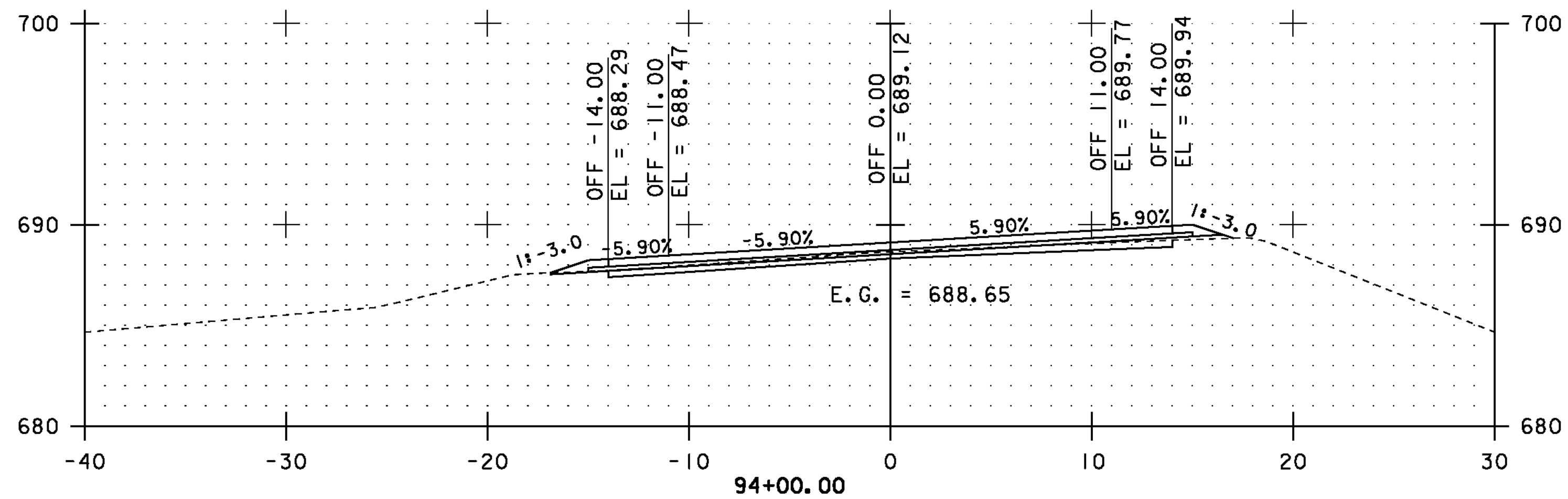


CROSS SECTIONS SHEET #35

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss35.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 85 OF 107



STA. 93+00.00 TO STA. 95+50.00

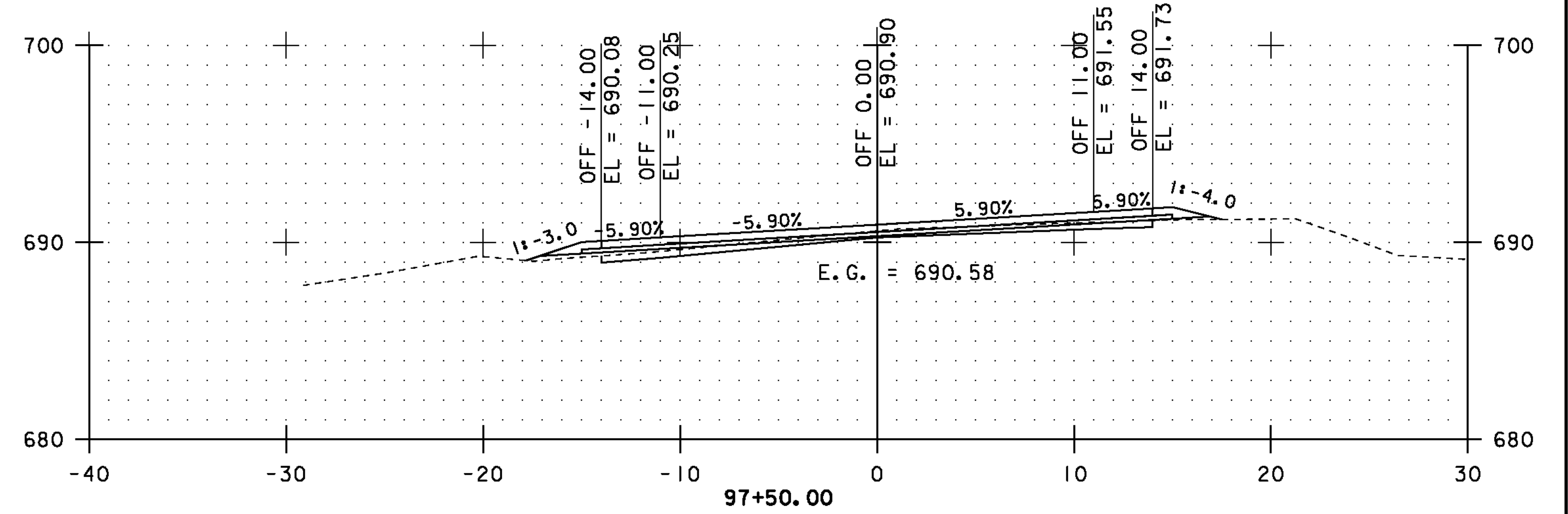
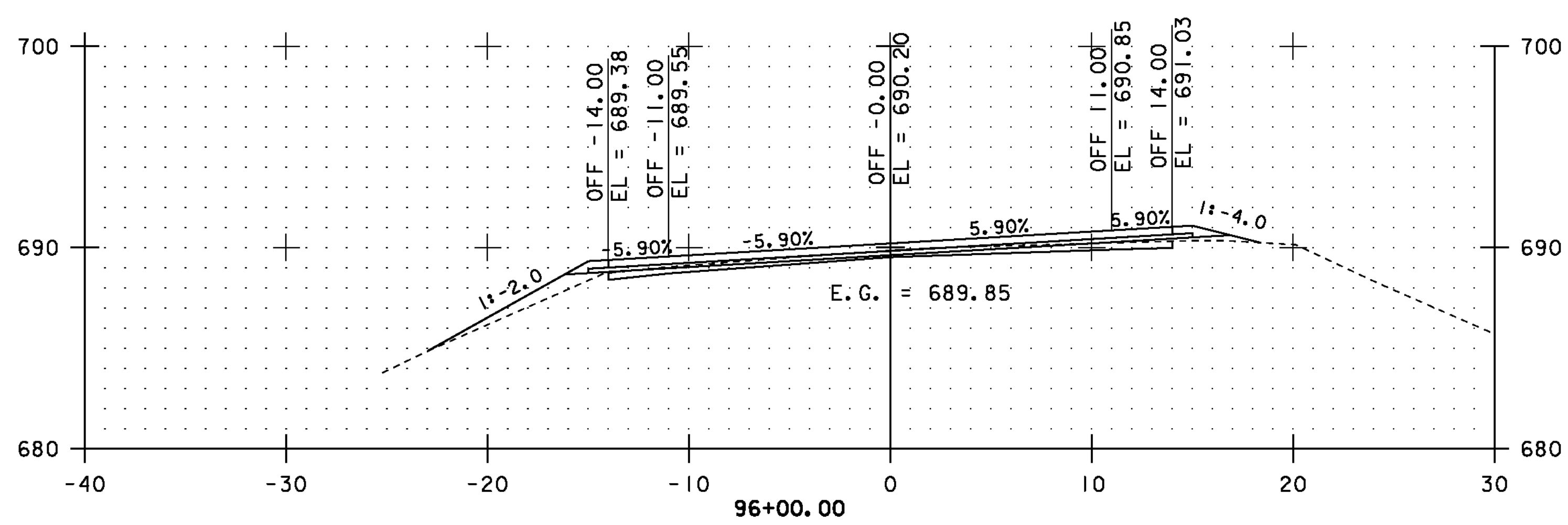
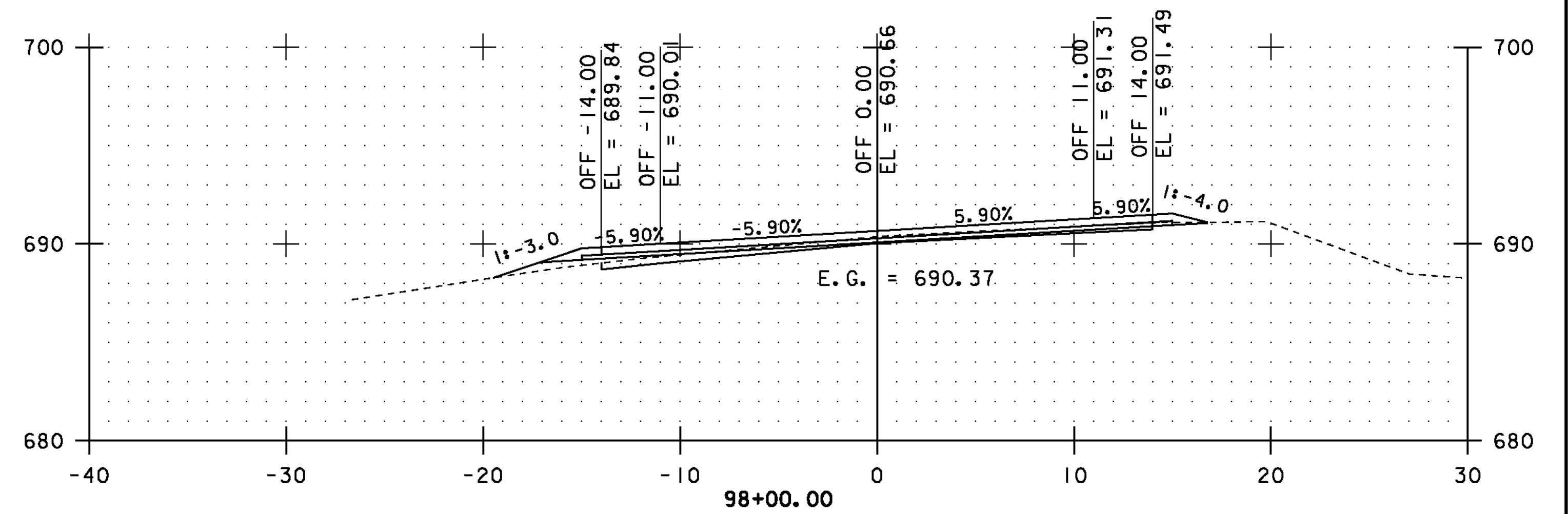
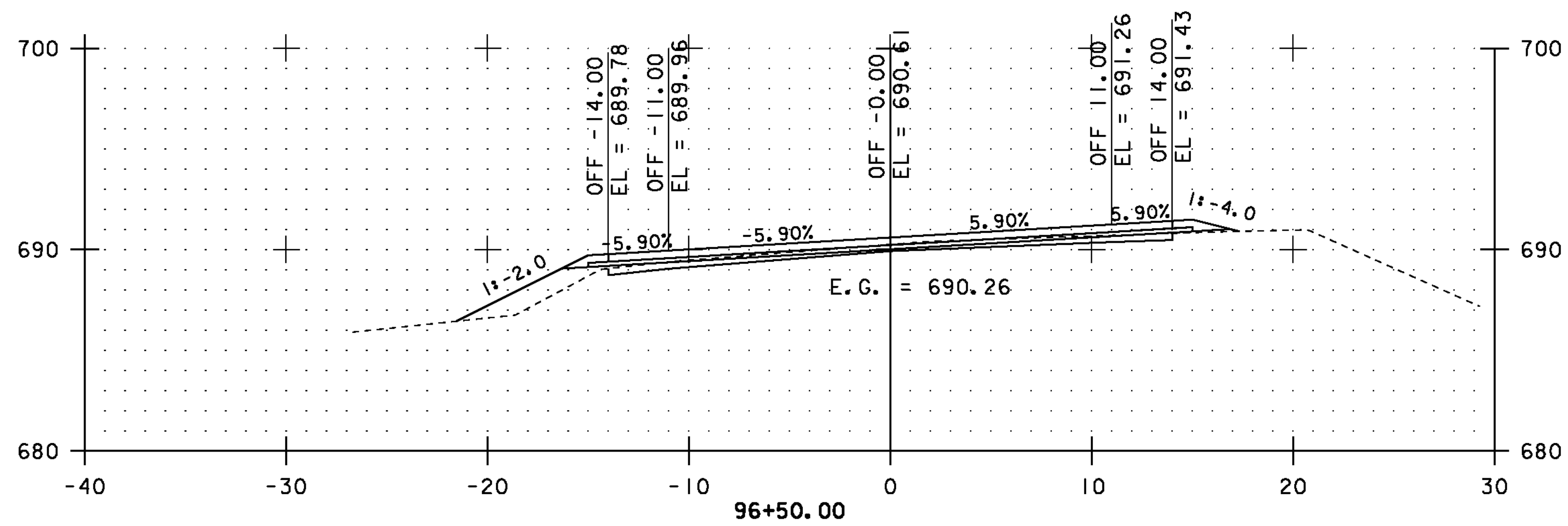
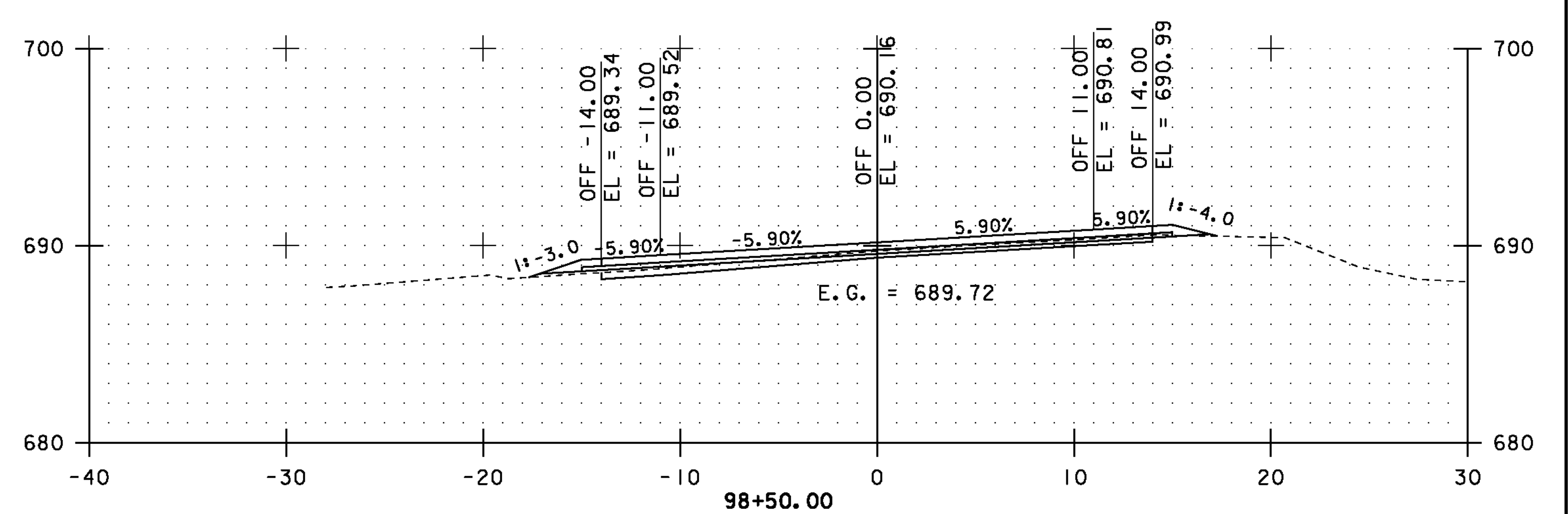
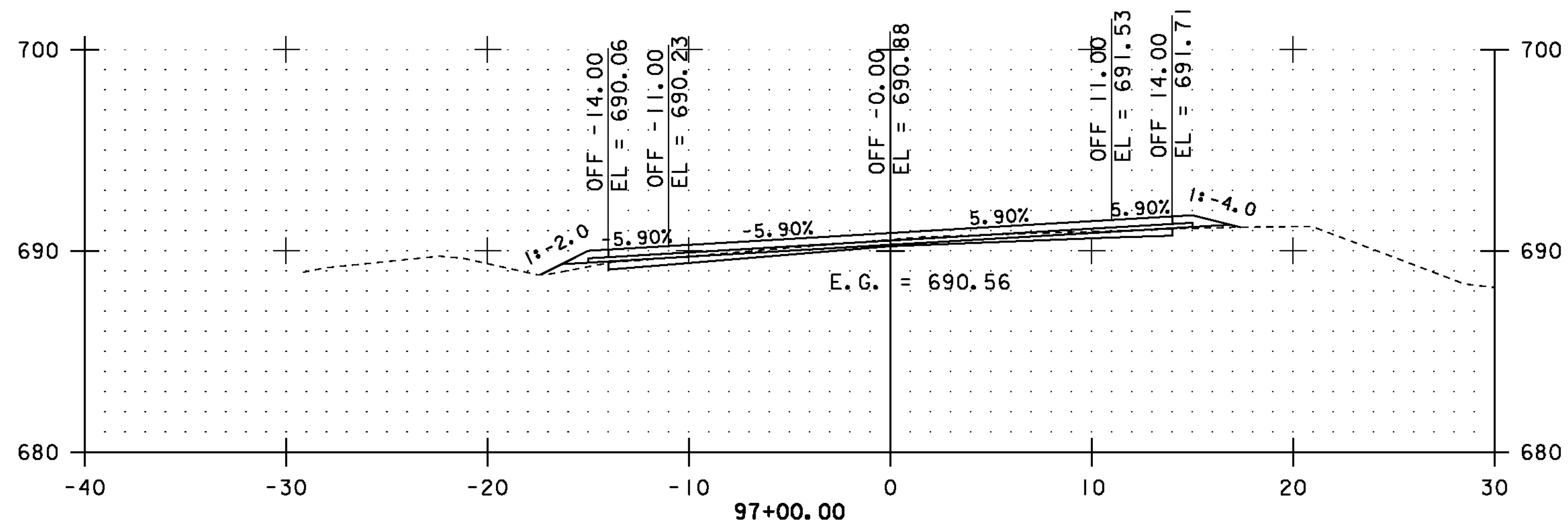


CROSS SECTIONS SHEET #36

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss36.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 86 OF 107



STA. 96+00.00 TO STA. 98+50.00



CROSS SECTIONS SHEET #37

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

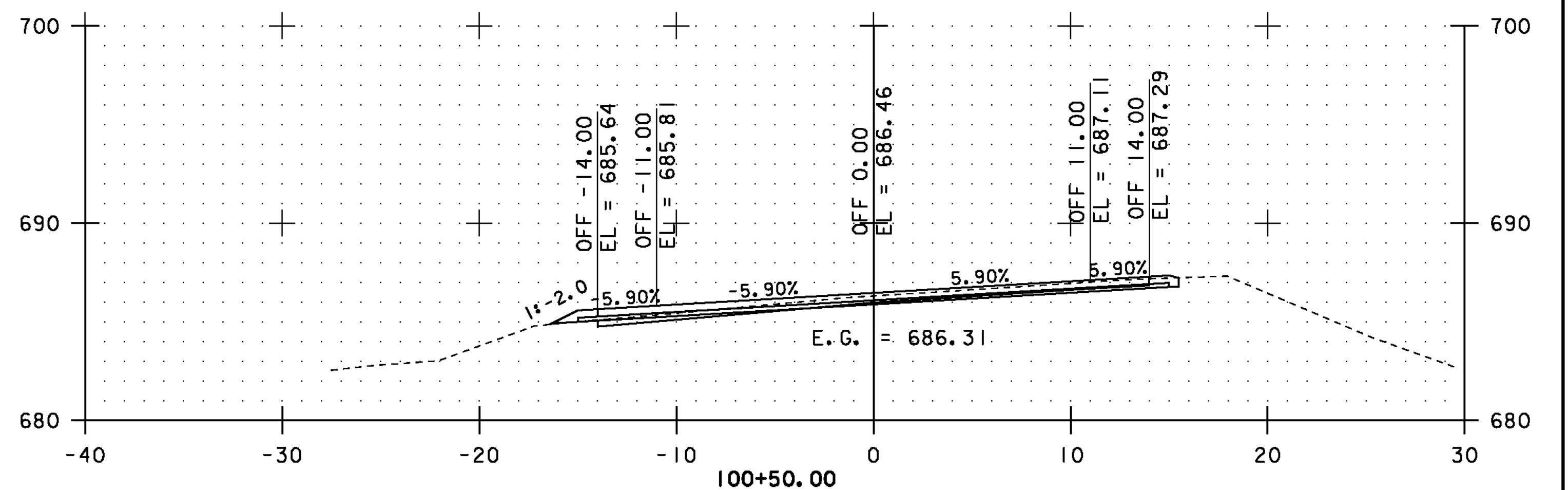
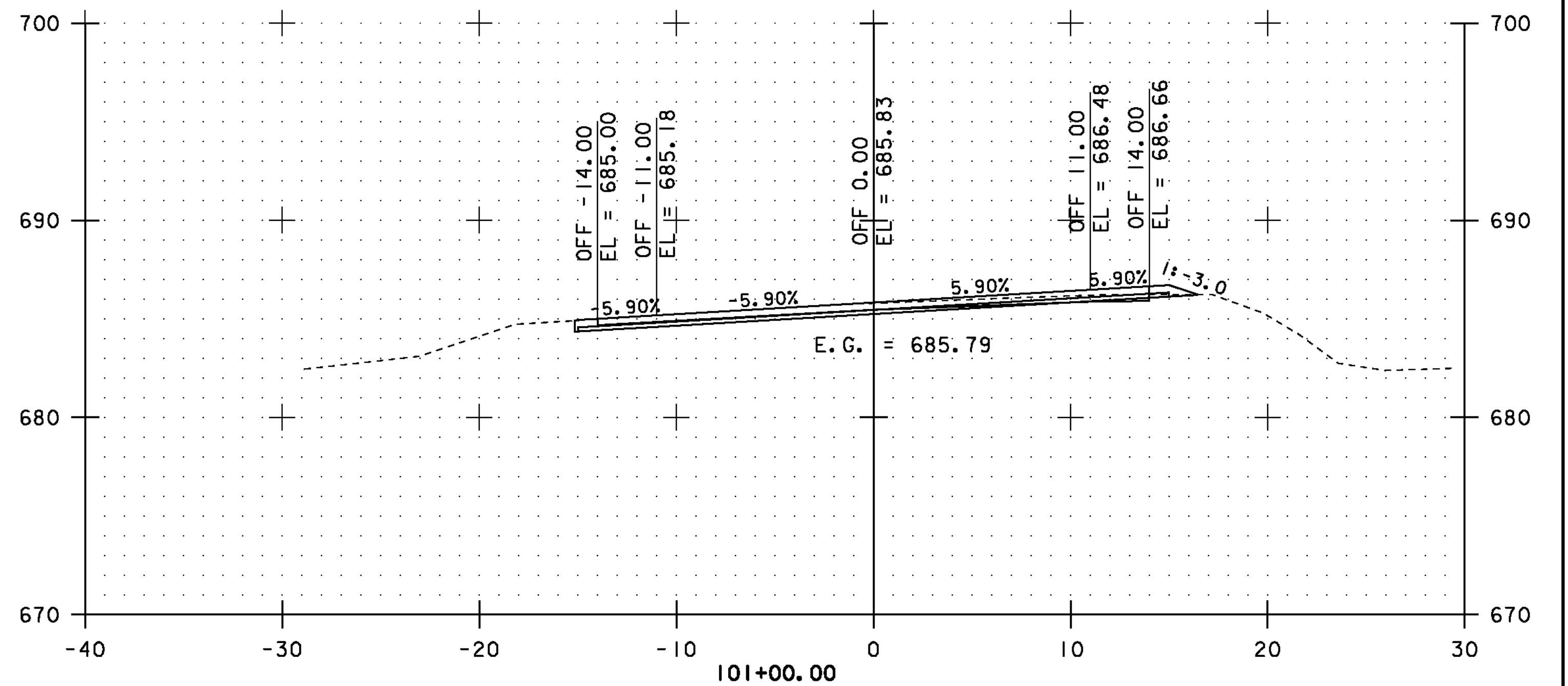
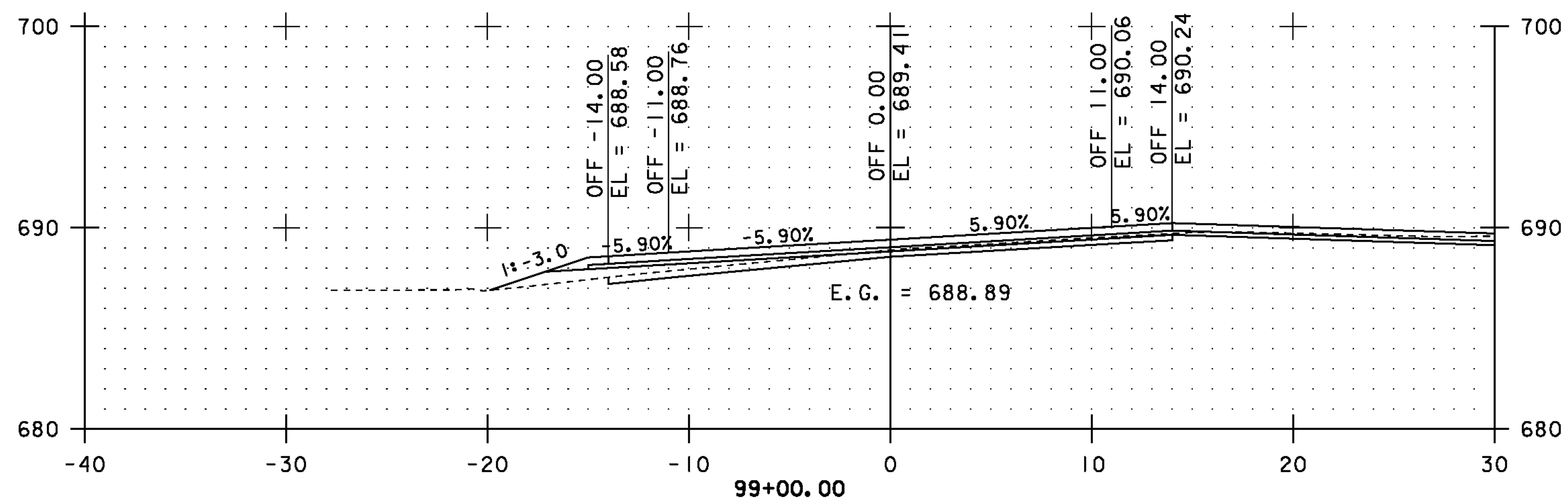
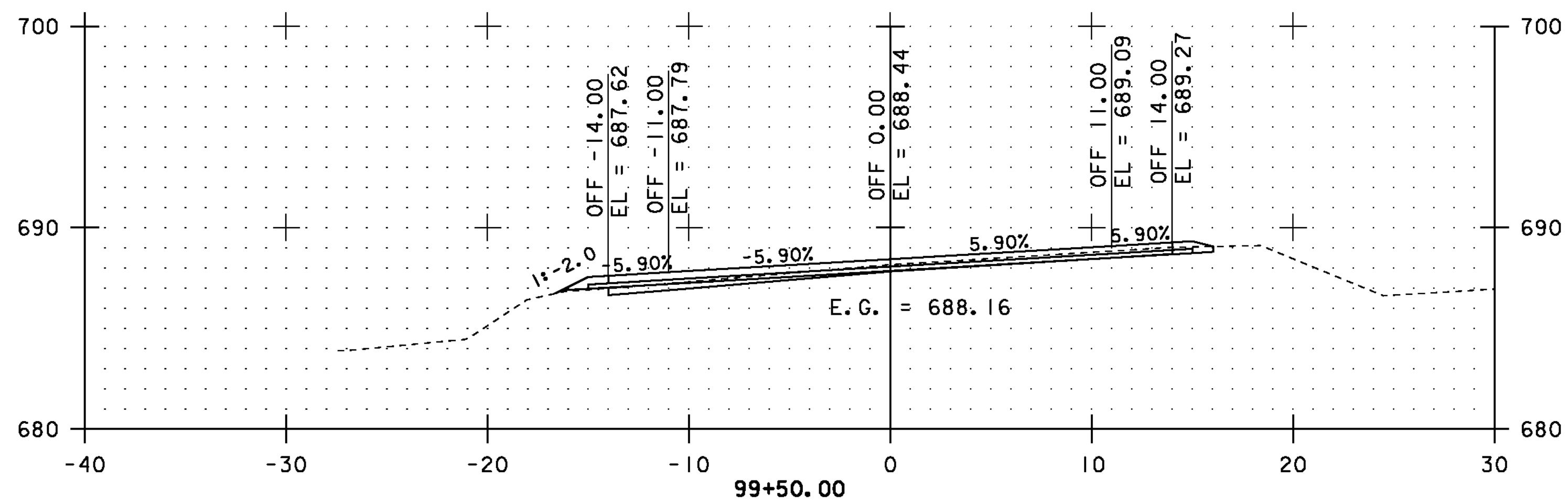
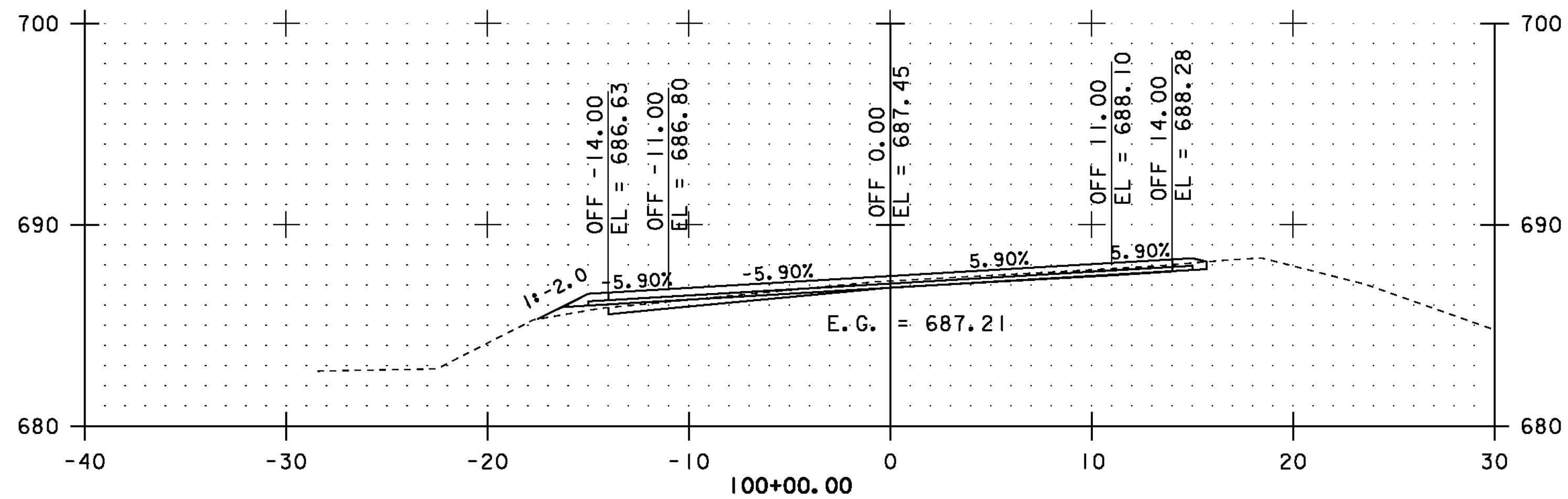
IPARM FILE: p01c052xss37.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 87 OF 107



STA. 99+00.00 TO STA. 101+00.00

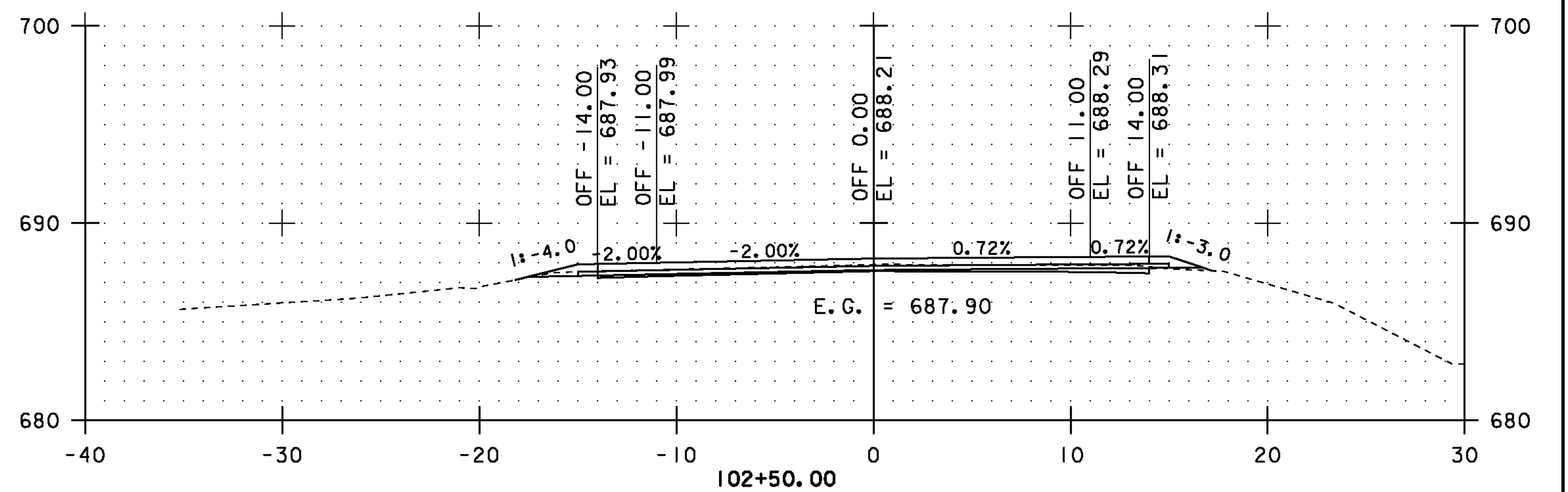
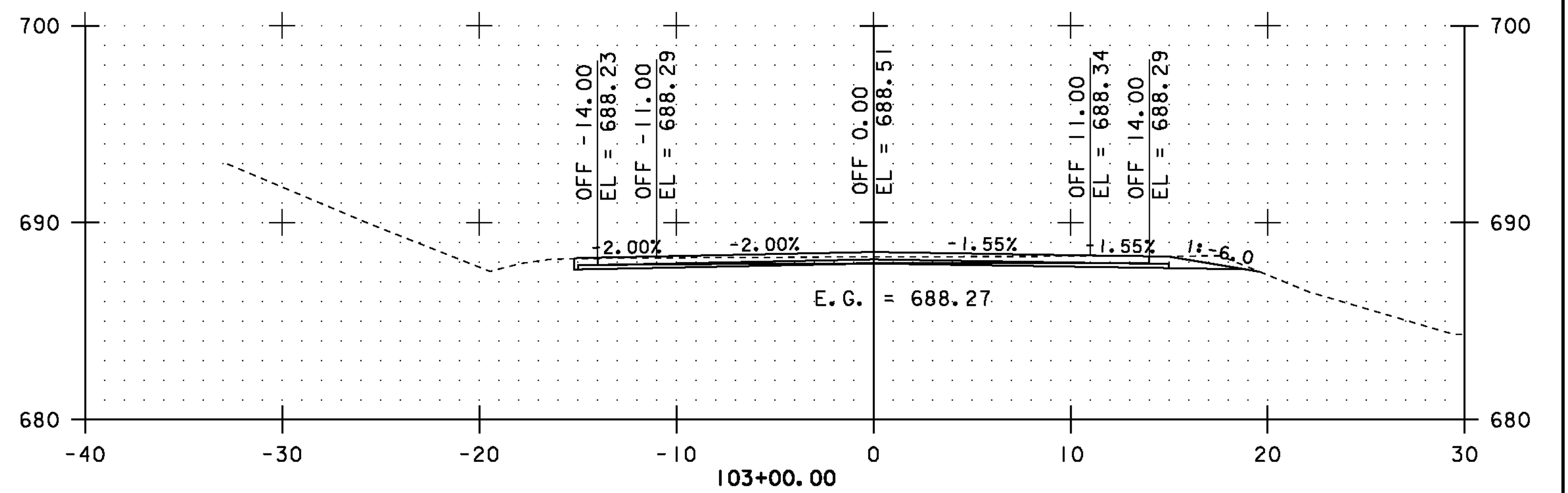
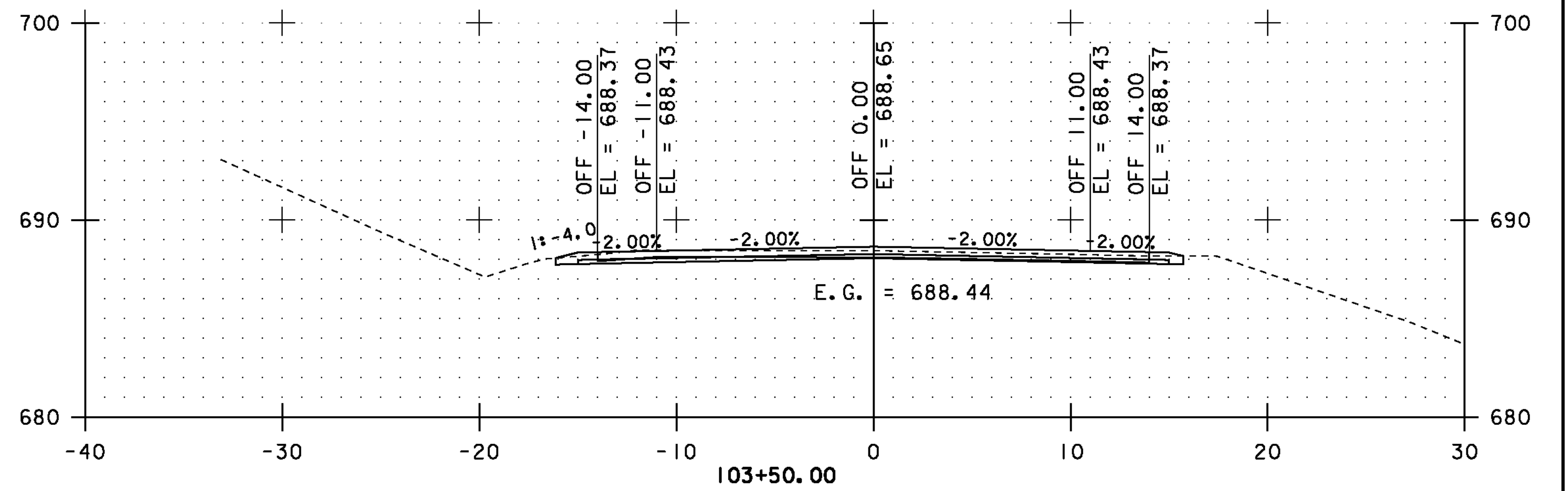
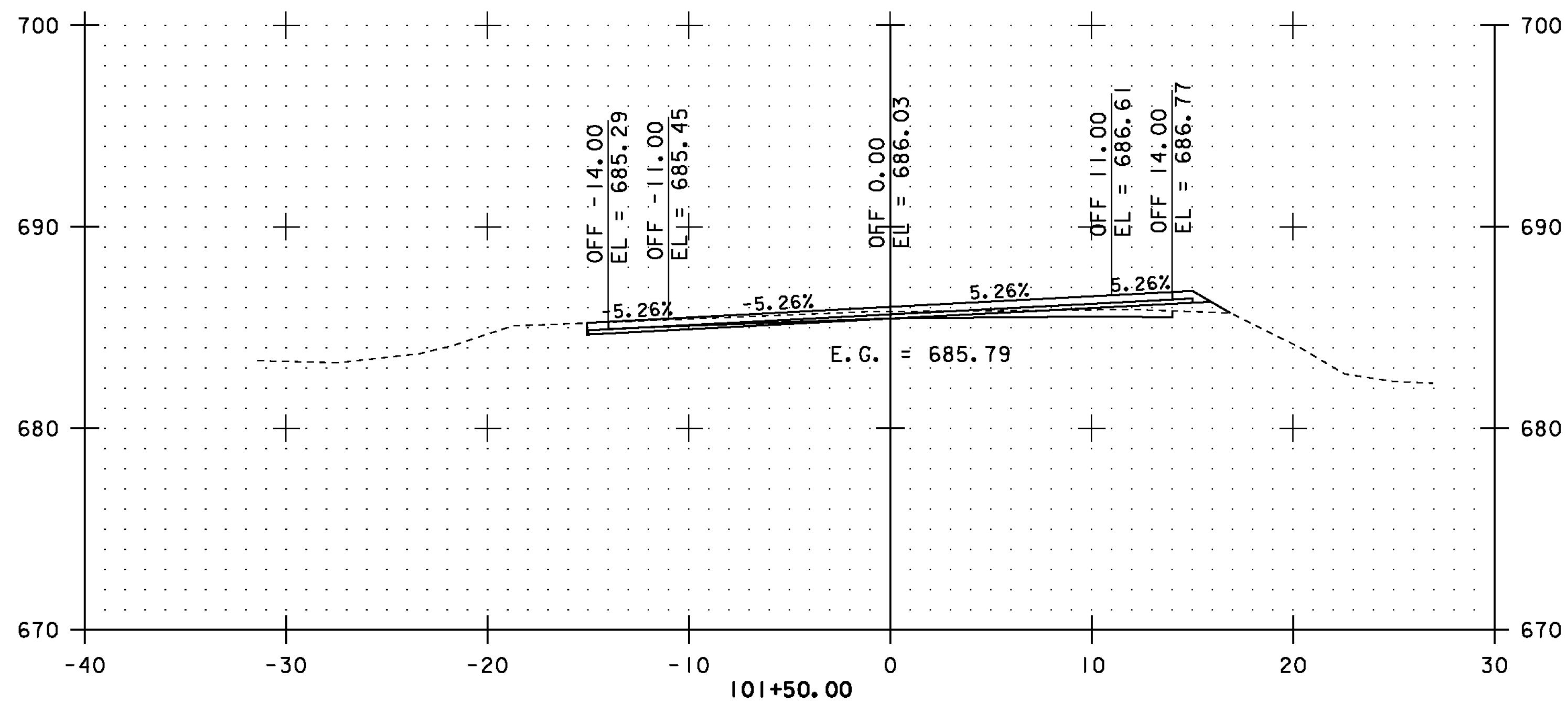
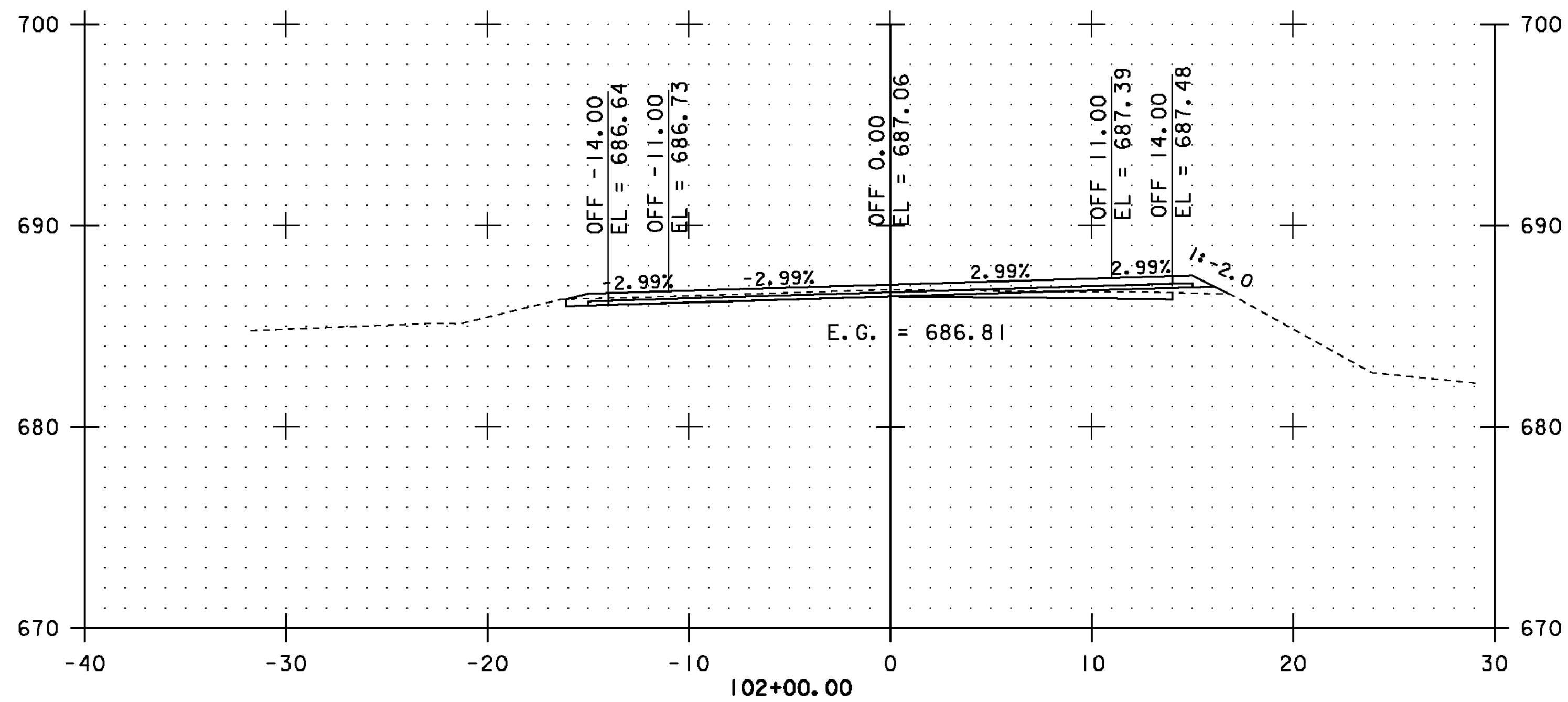


CROSS SECTIONS SHEET #38

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss38.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 88 OF 107



STA. 101+50.00 TO STA. 103+50.00

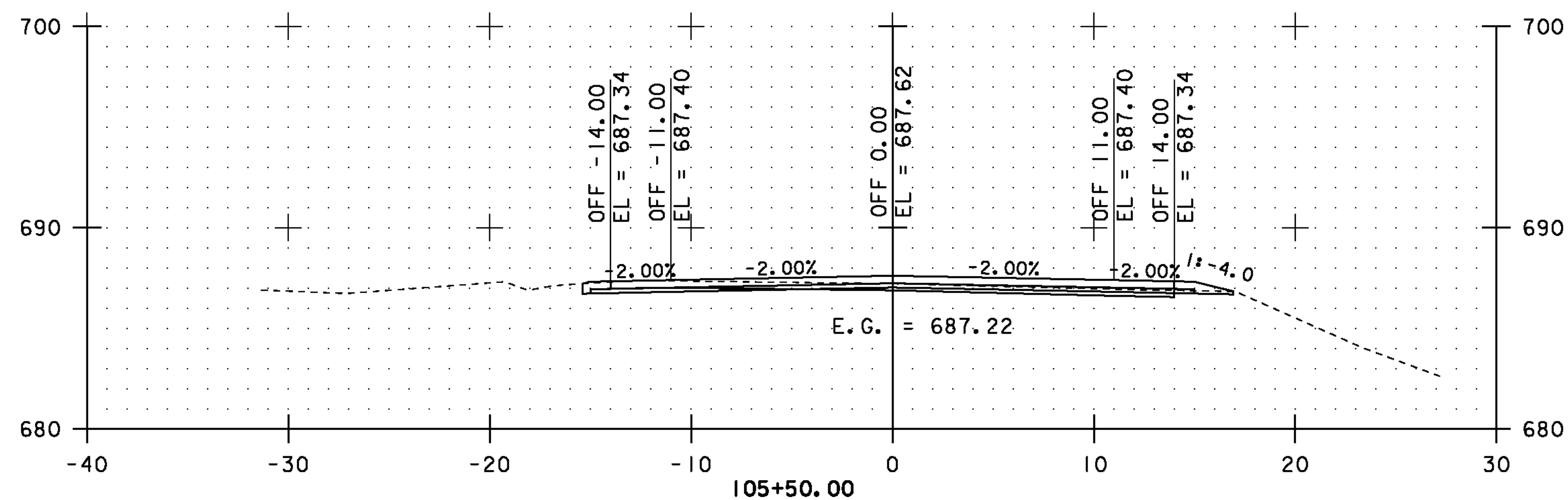
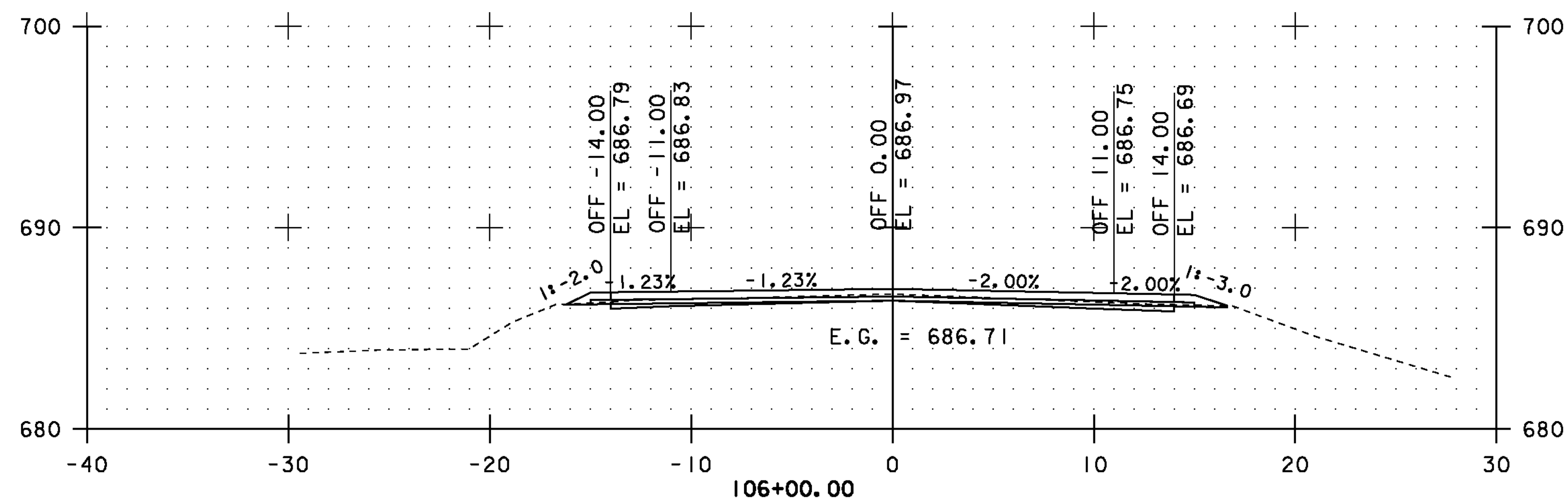
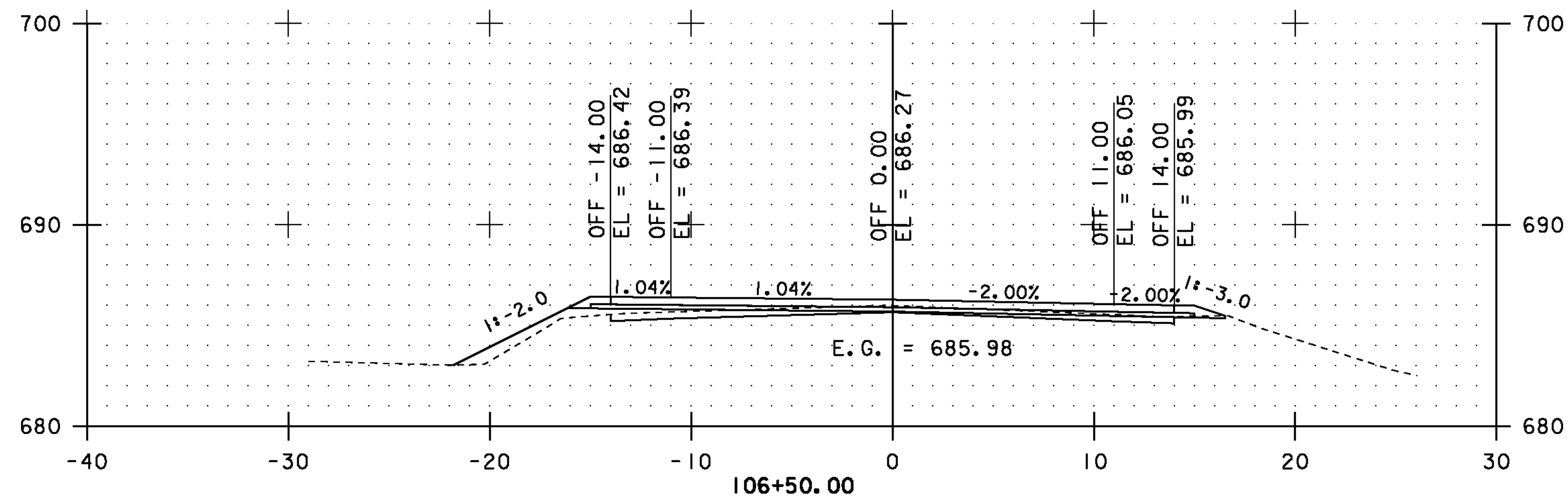
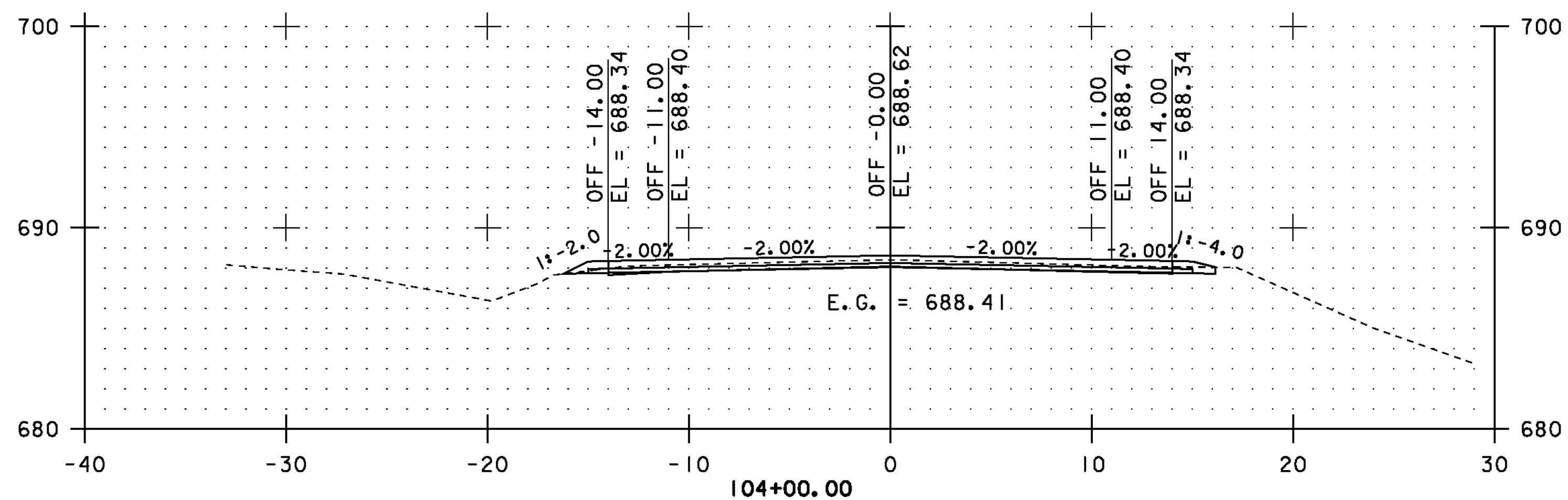
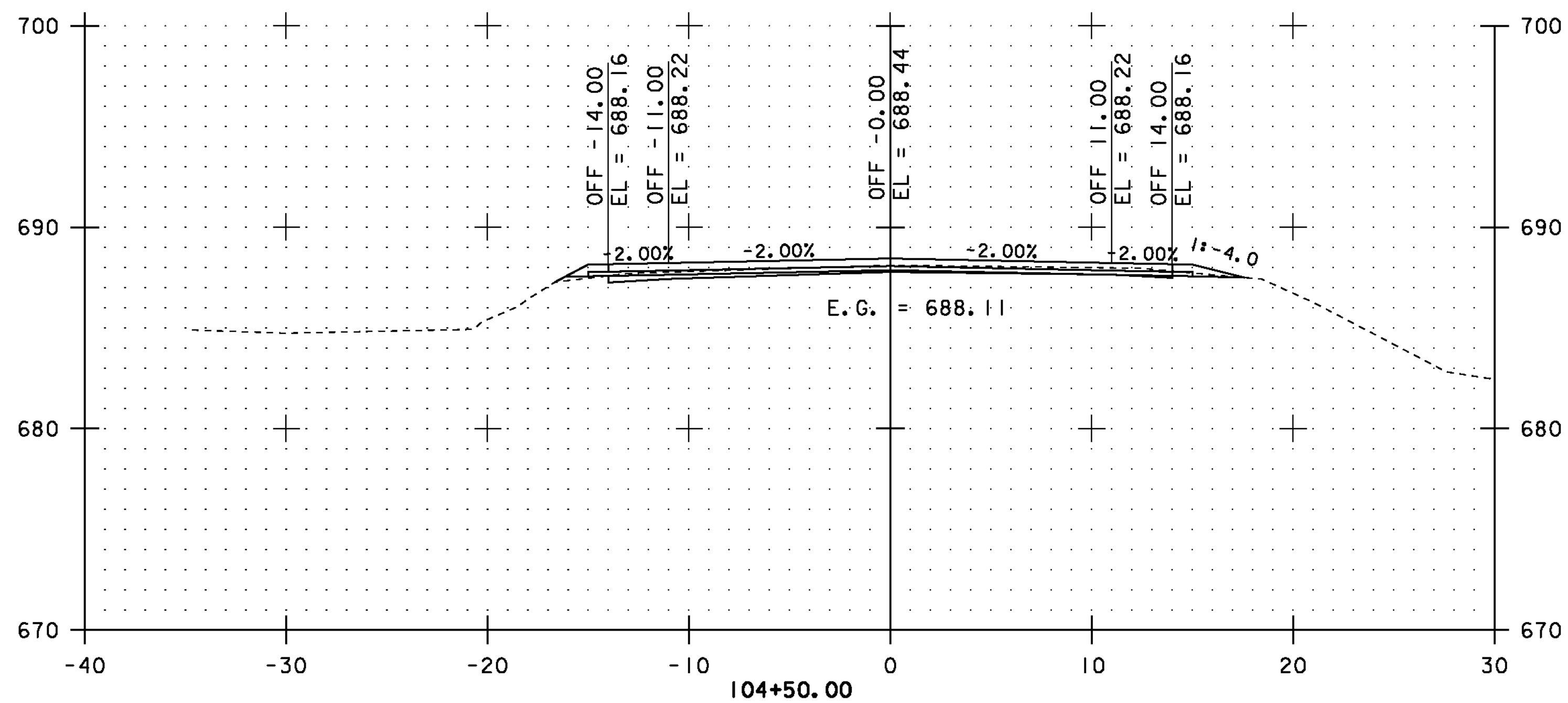
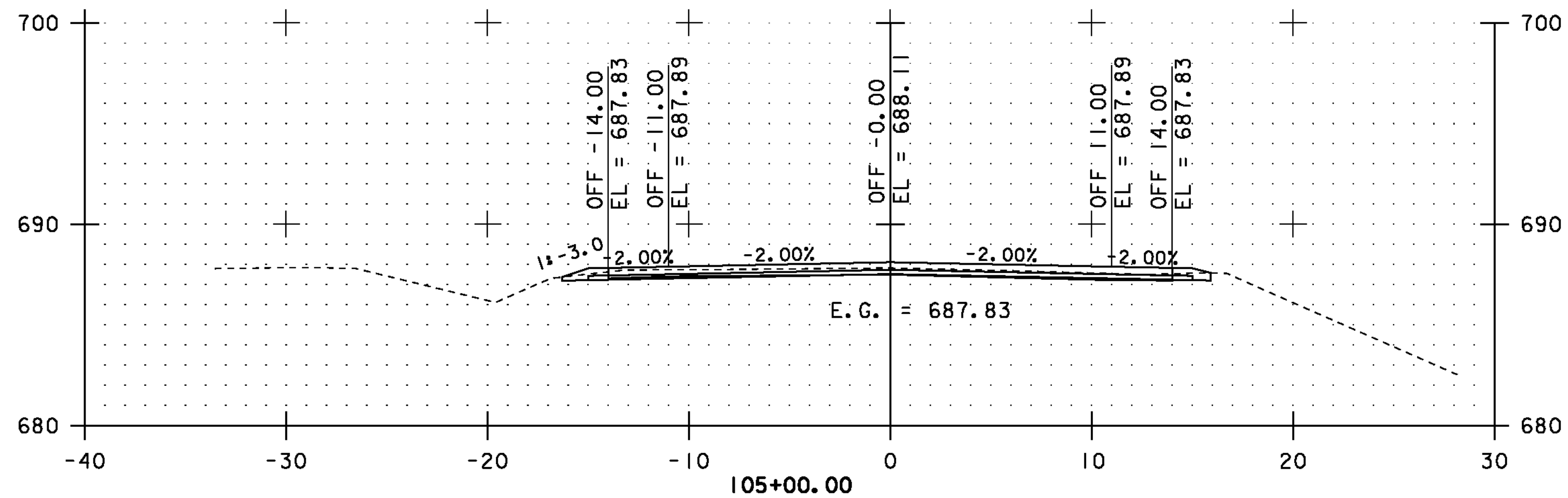


CROSS SECTIONS SHEET #39

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss39.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 89 OF 107



STA. 104+00.00 TO STA. 106+50.00

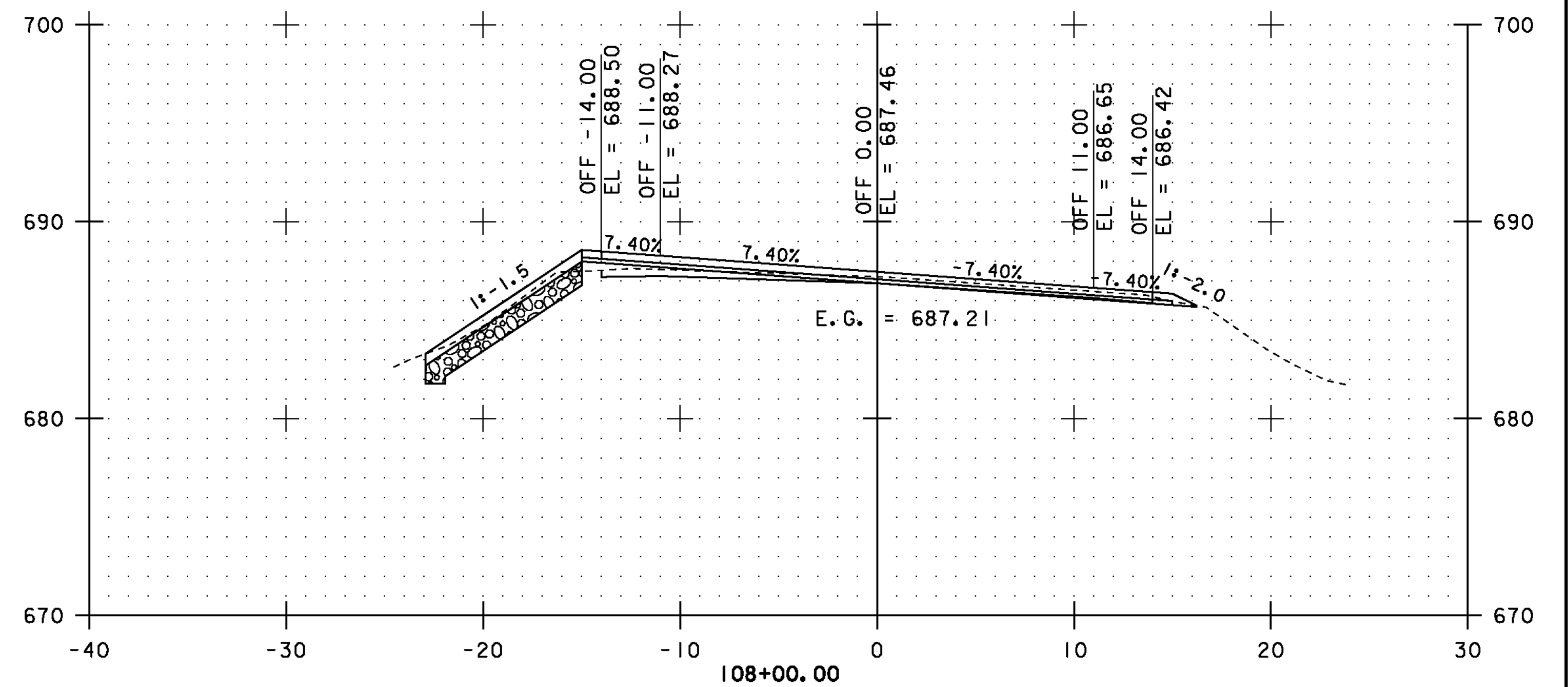
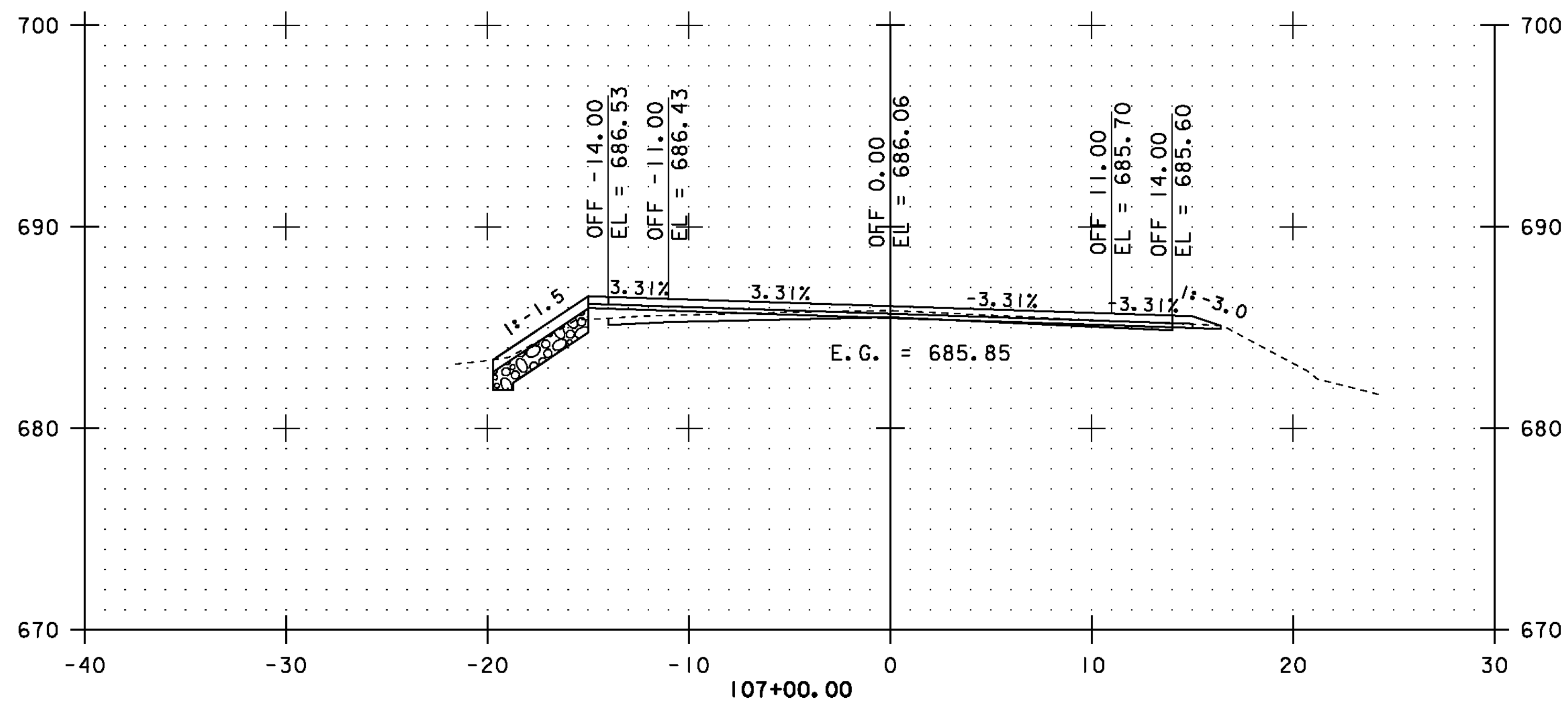
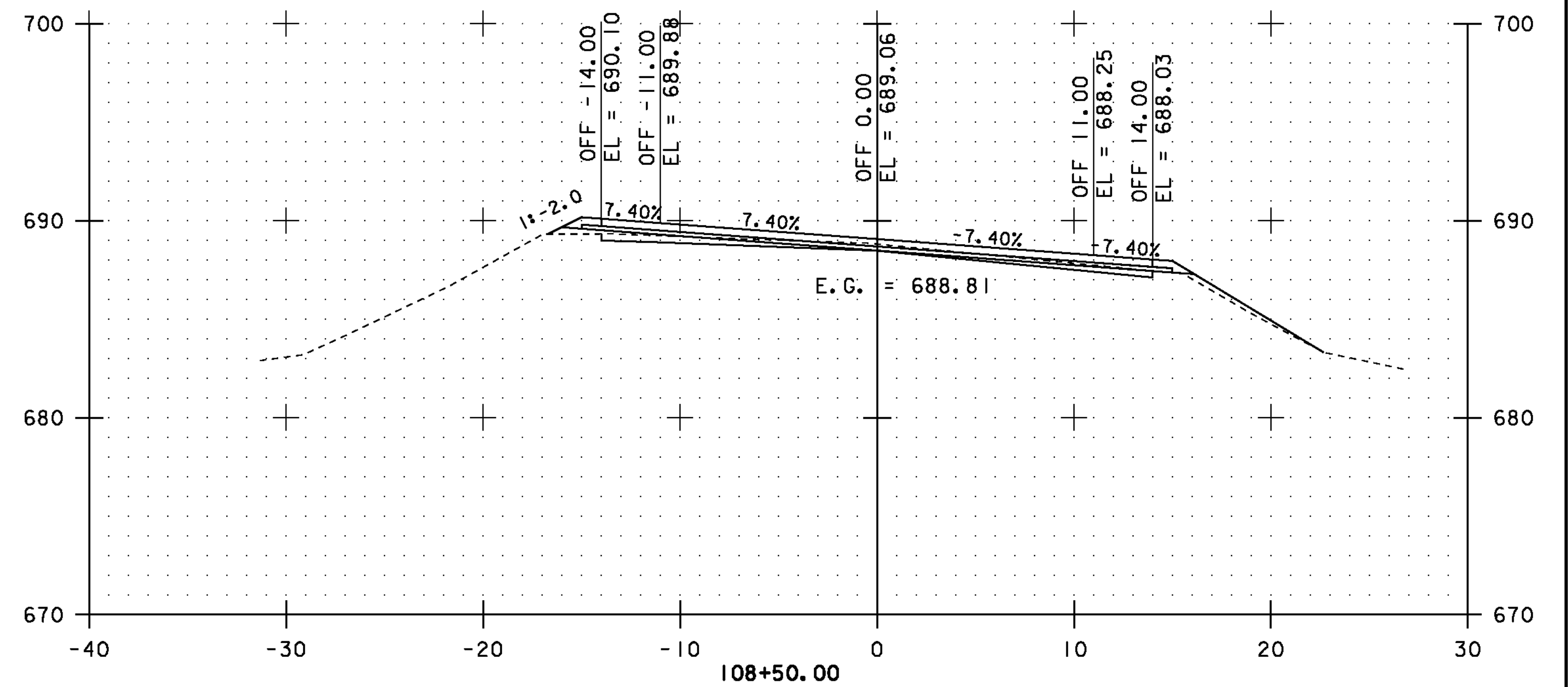
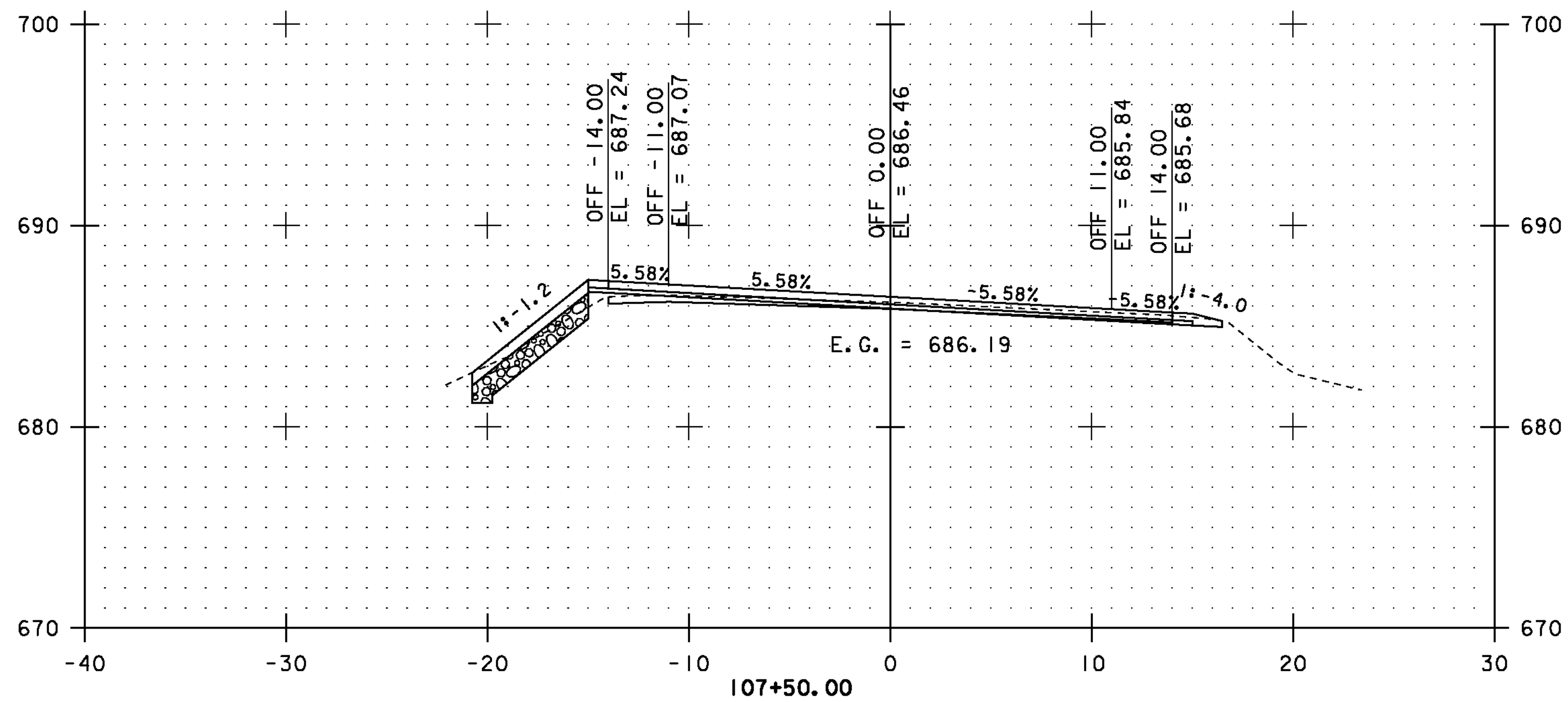


CROSS SECTIONS SHEET #40

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss40.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 90 OF 107



STA. 107+00.00 TO STA. 108+50.00

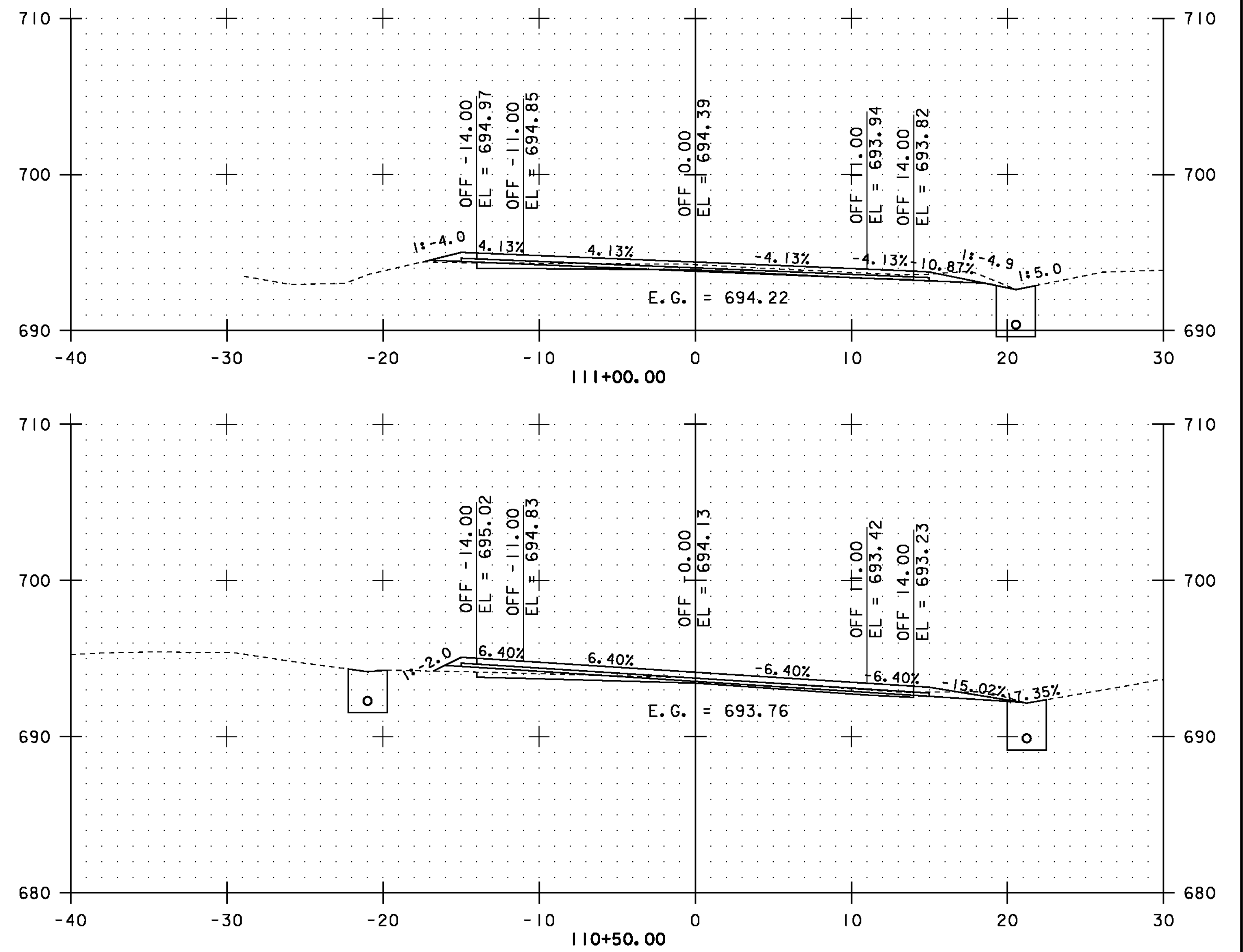
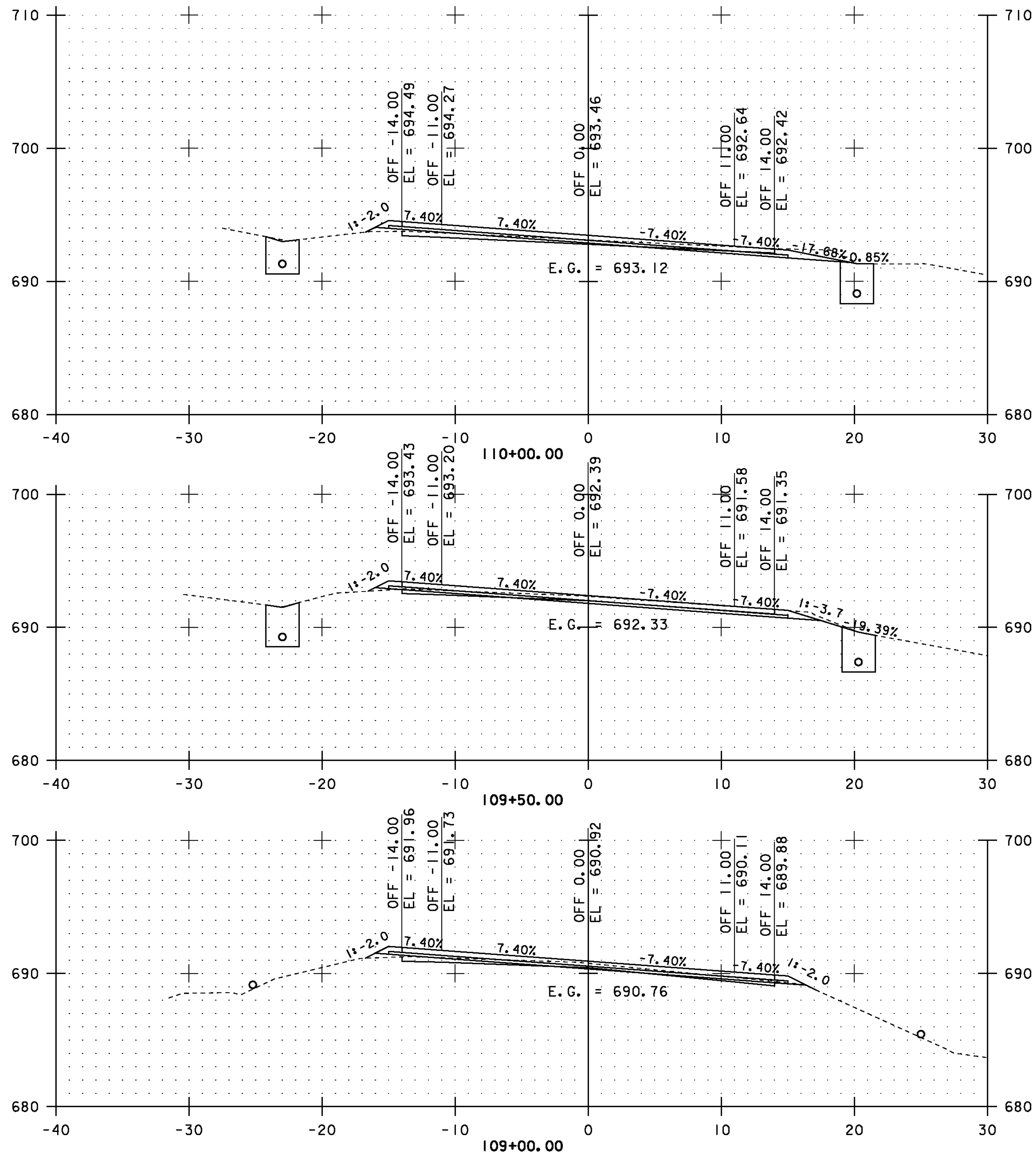


CROSS SECTIONS SHEET #41

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss41.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 91 OF 107

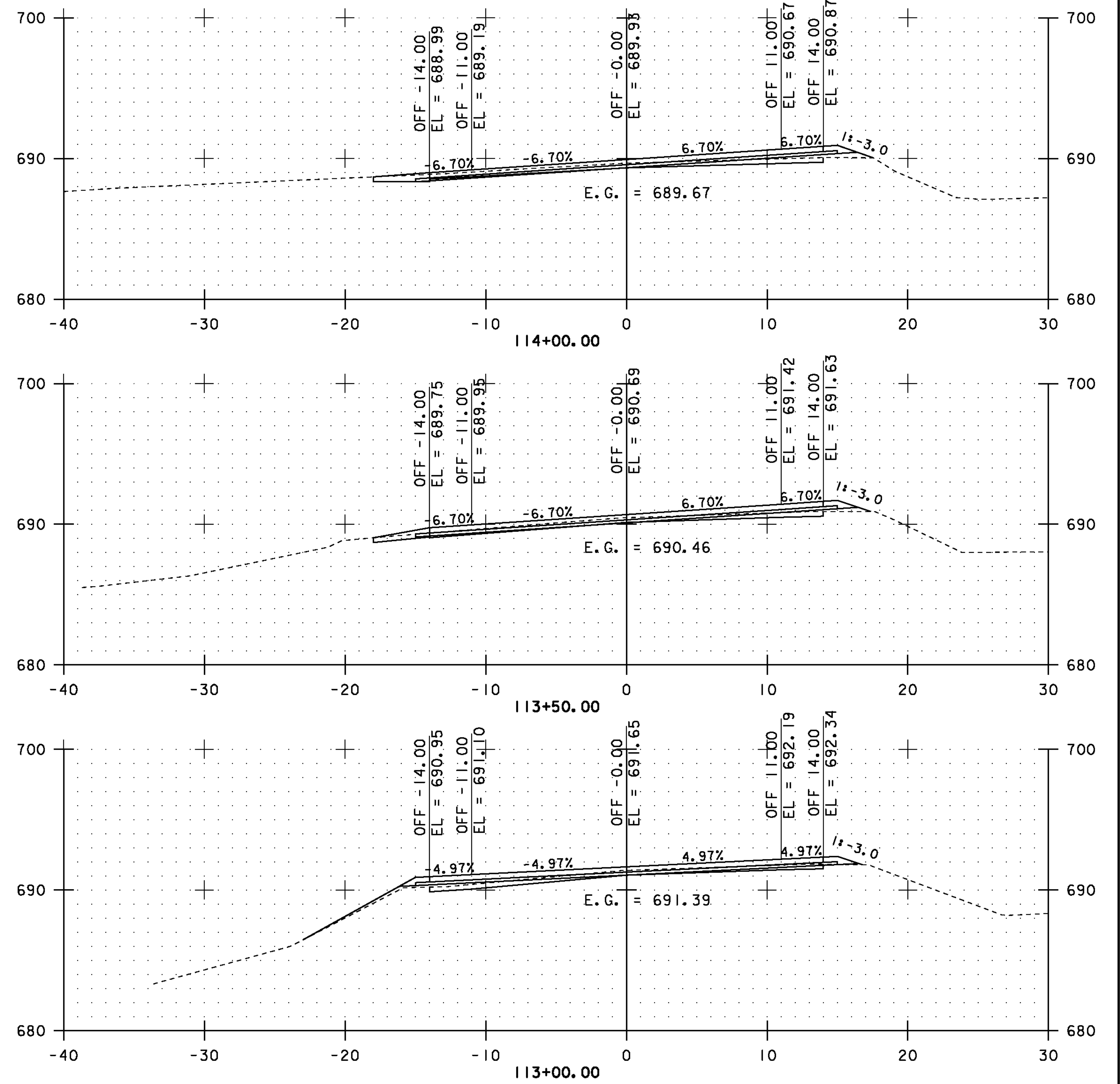
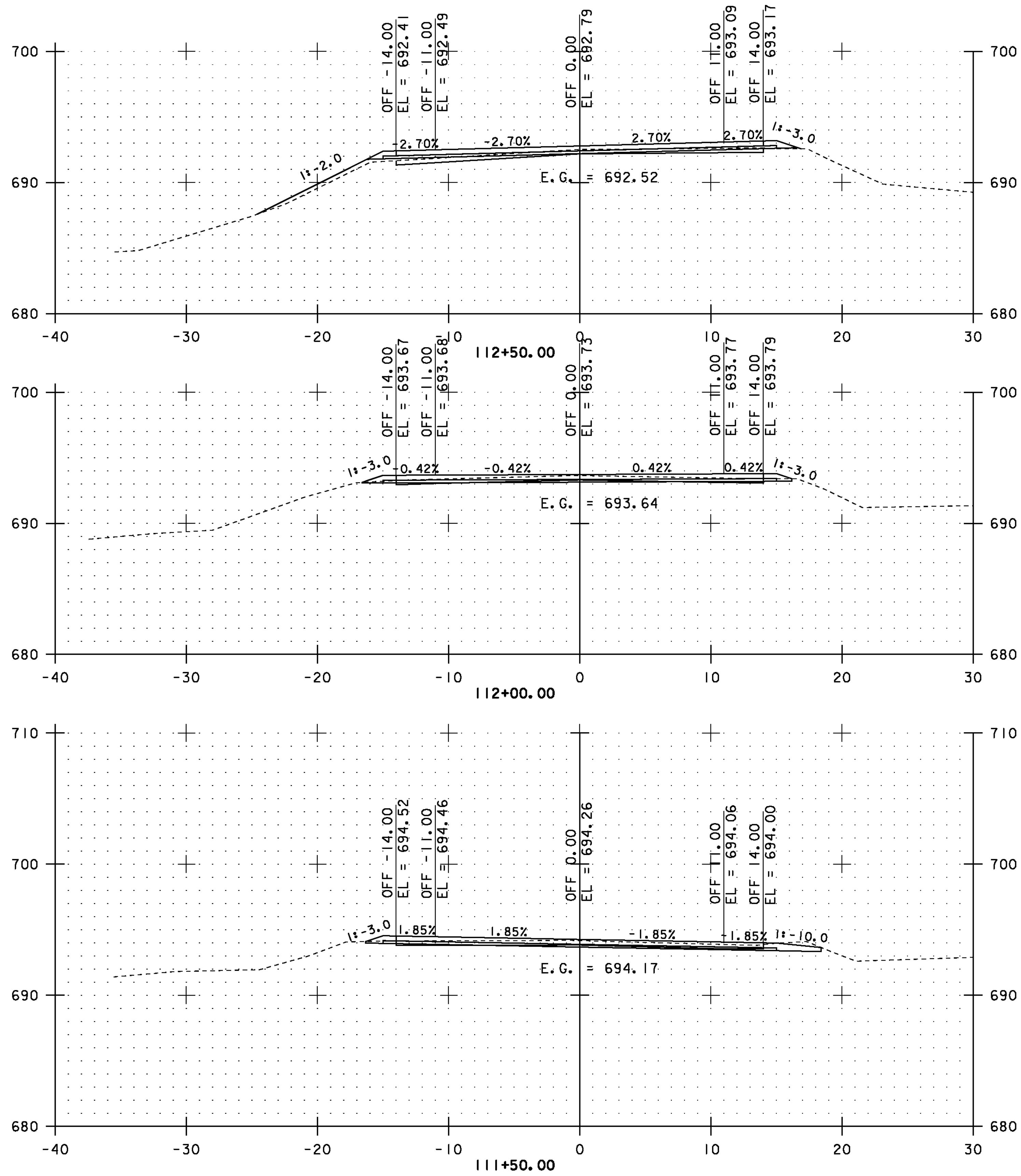


STA. 109+00.00 TO STA. 111+00.00



CROSS SECTIONS SHEET #42

PROJECT NAME:	COVENTRY-NEWPORT CITY
PROJECT NUMBER:	STP 2308(I)
FILE NAME:	p01c052.dgn
PROJECT LEADER:	JLL
DESIGNED BY:	STANTEC
IPARM FILE:	p01c052xss42.i
PLOT DATE:	18-MAY-2012
DRAWN BY:	STANTEC
CHECKED BY:	STANTEC
SHEET	92 OF 107



STA. 111+50.00 TO STA. 114+00.00

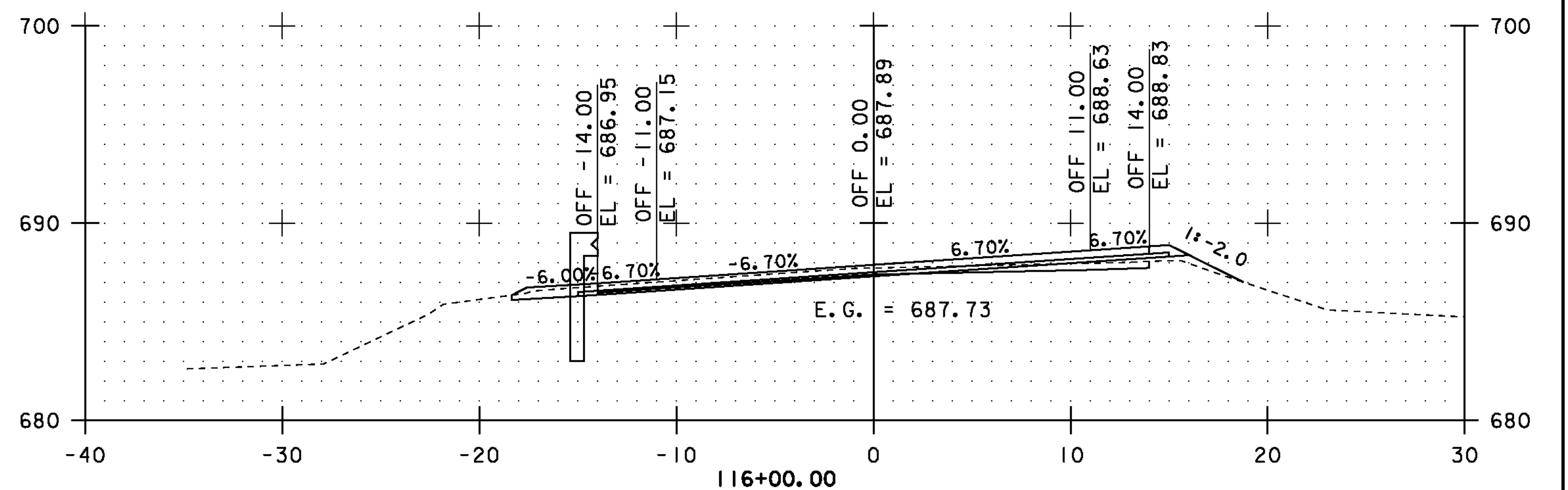
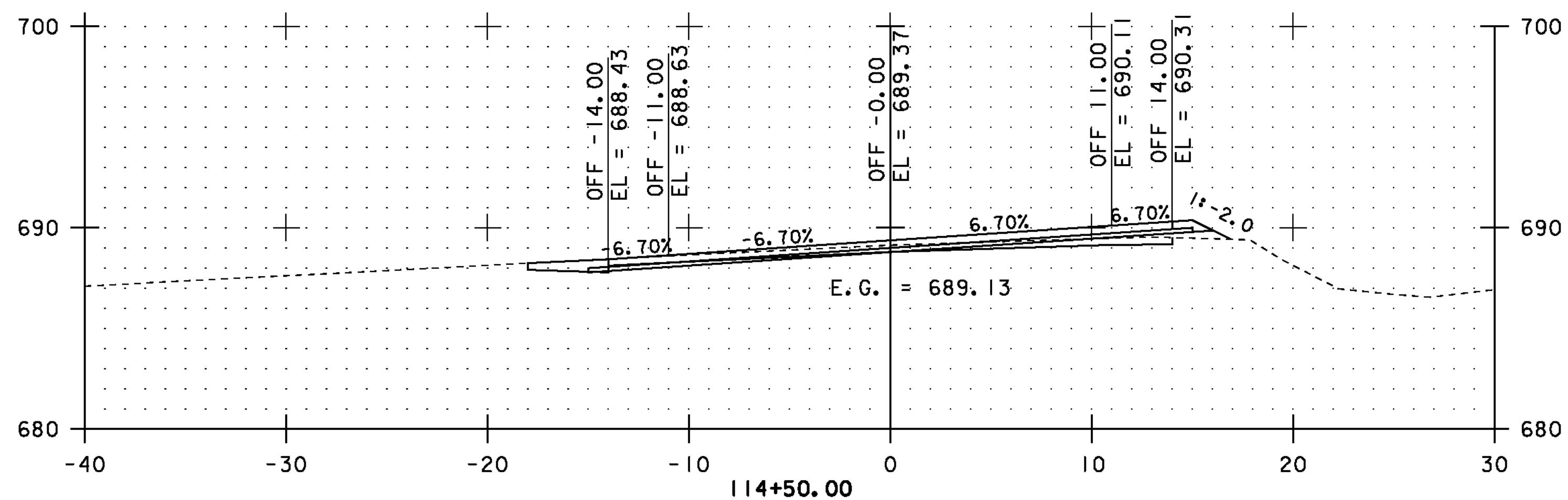
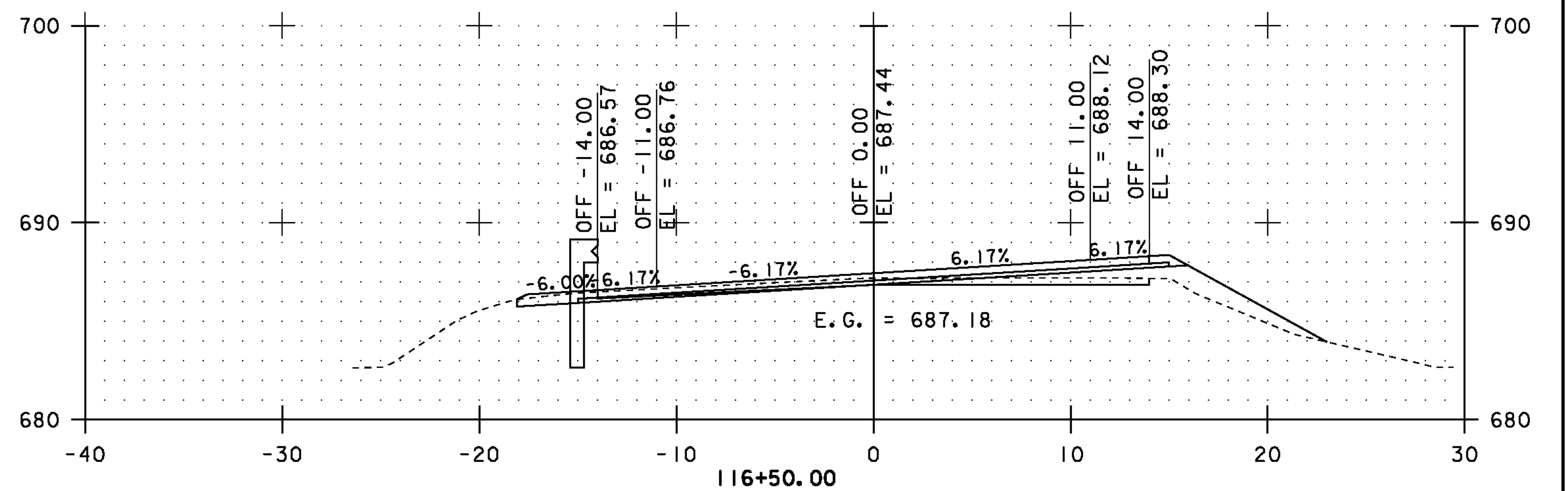
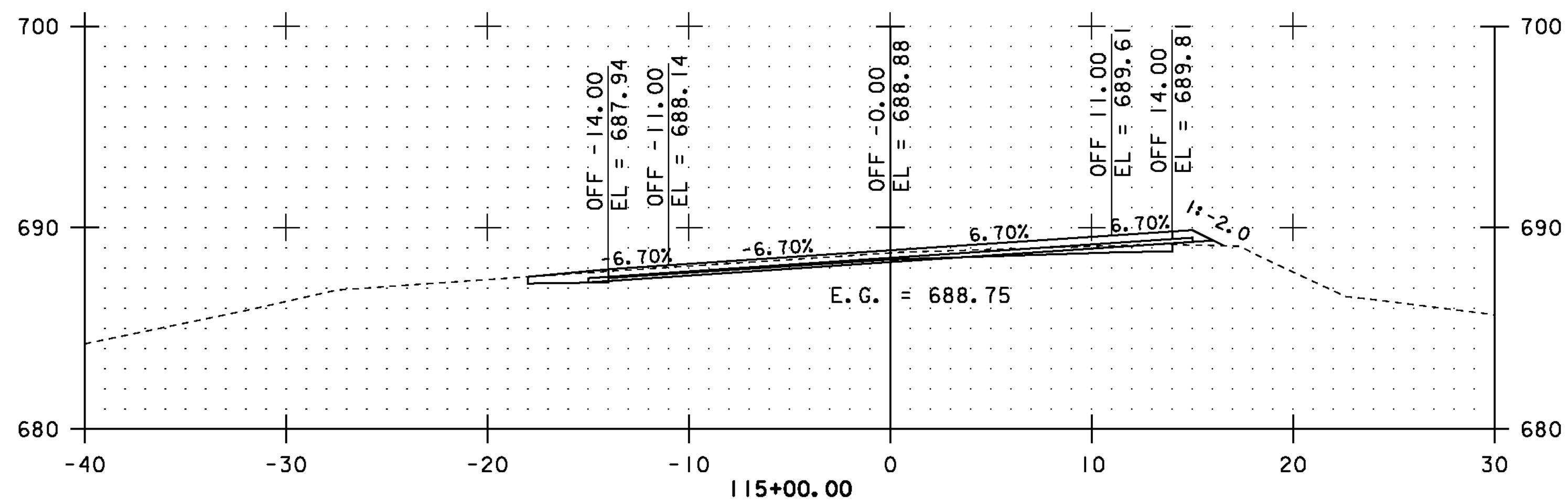
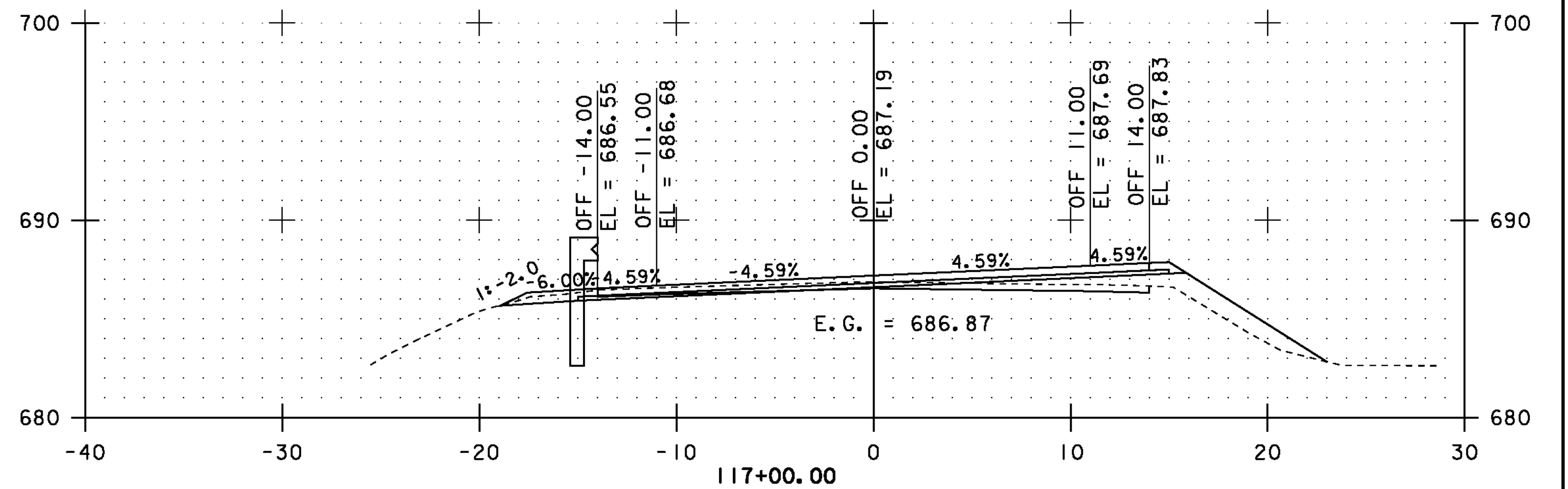
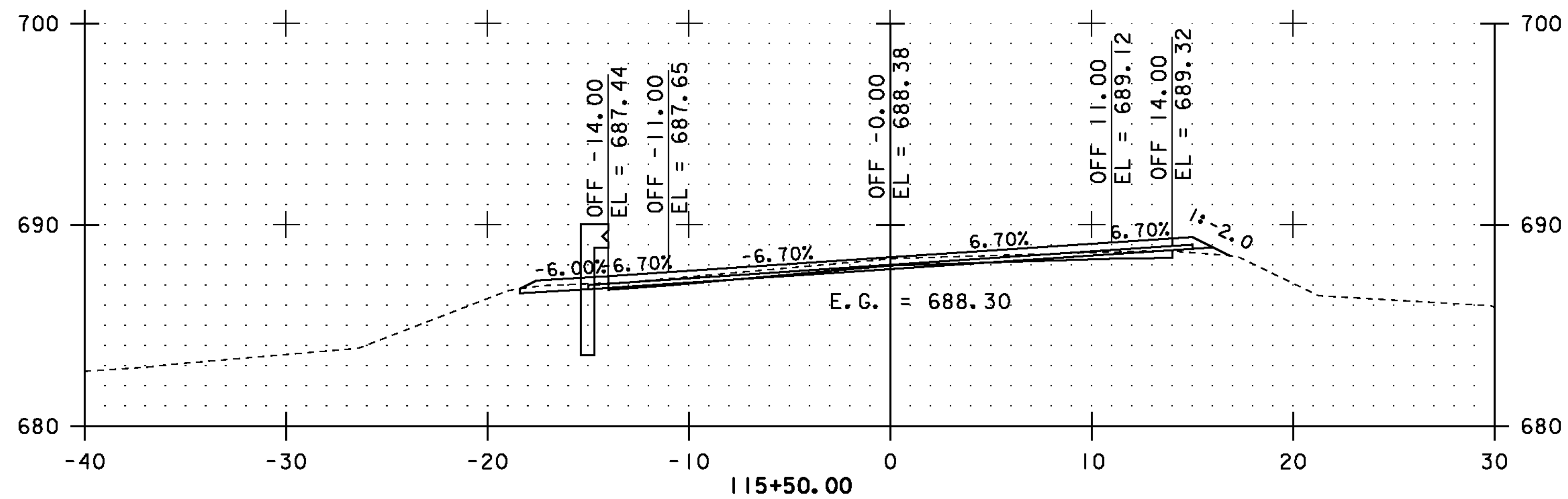


CROSS SECTIONS SHEET #43

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss43.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 93 OF 107



STA. 114+50.00 TO STA. 117+00.00

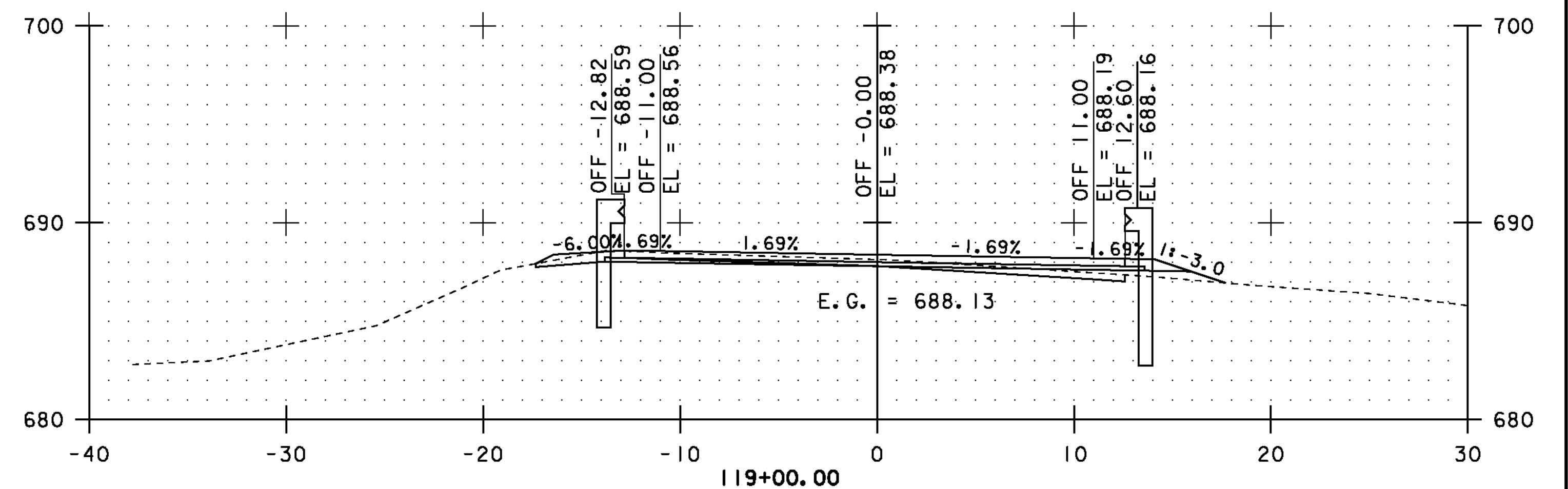
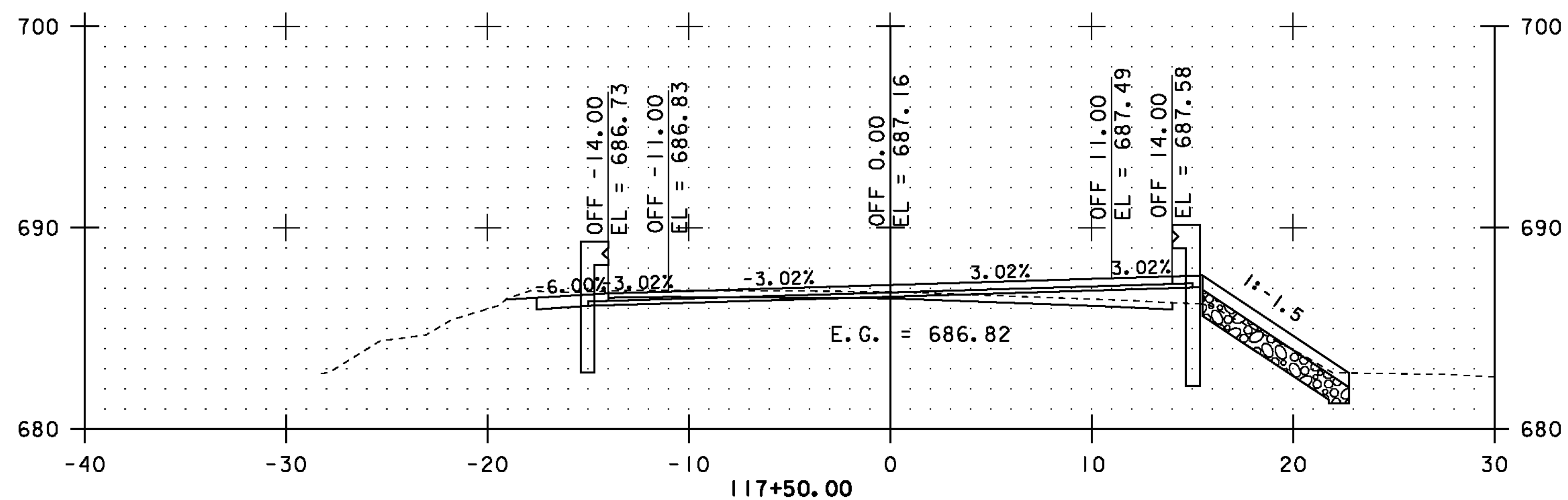
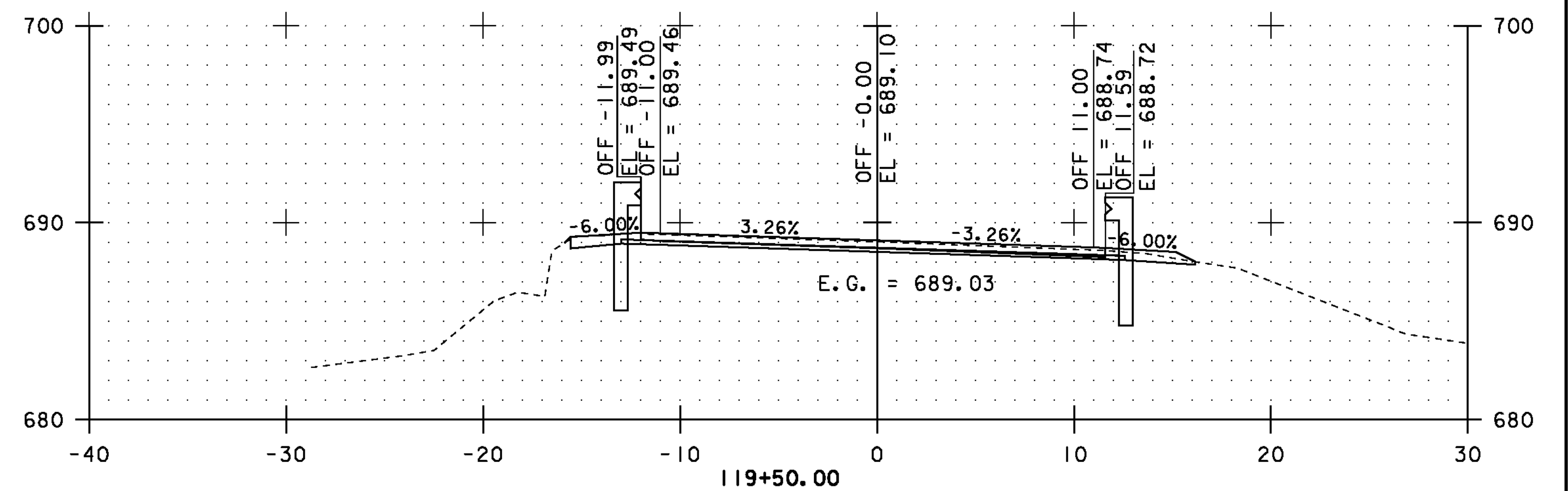
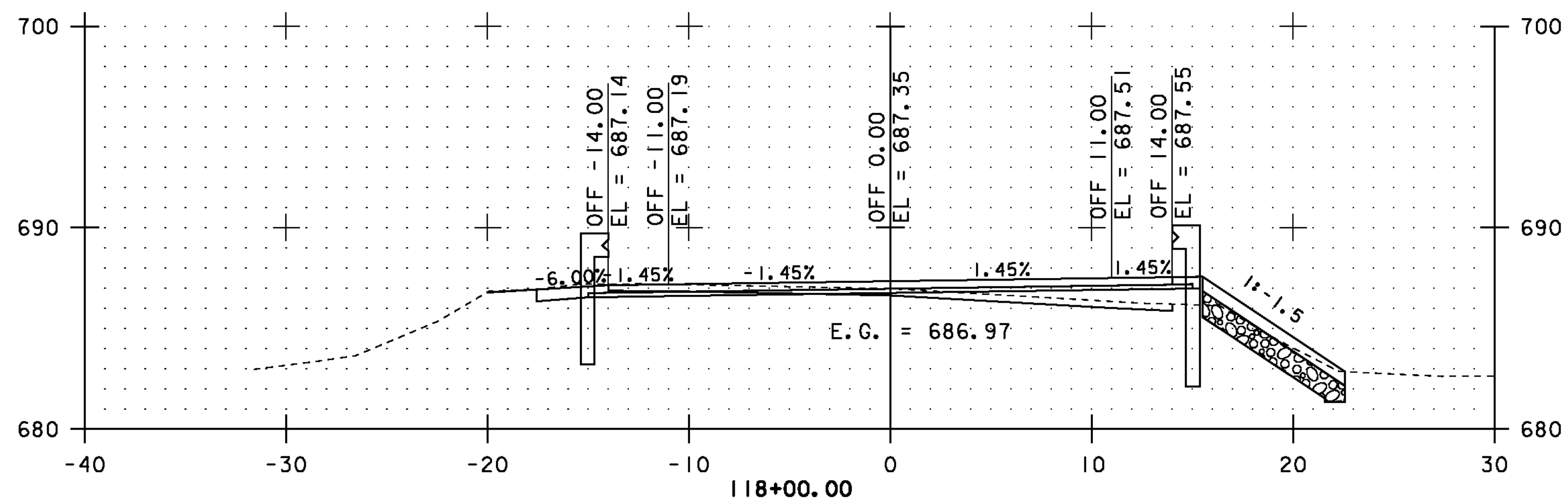
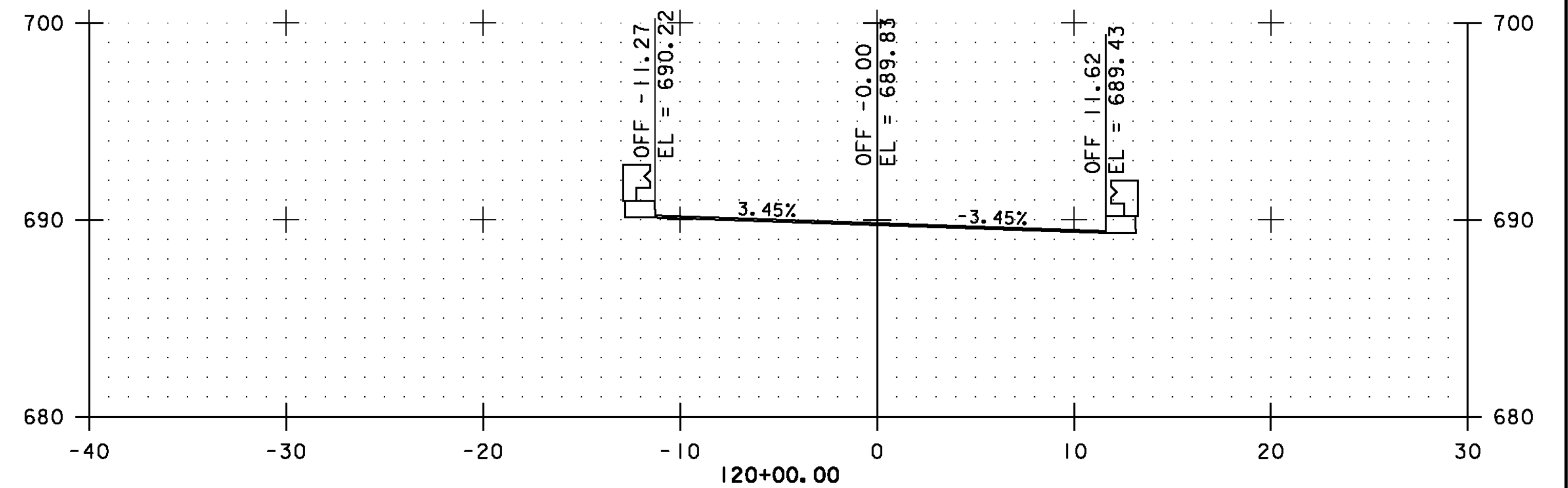
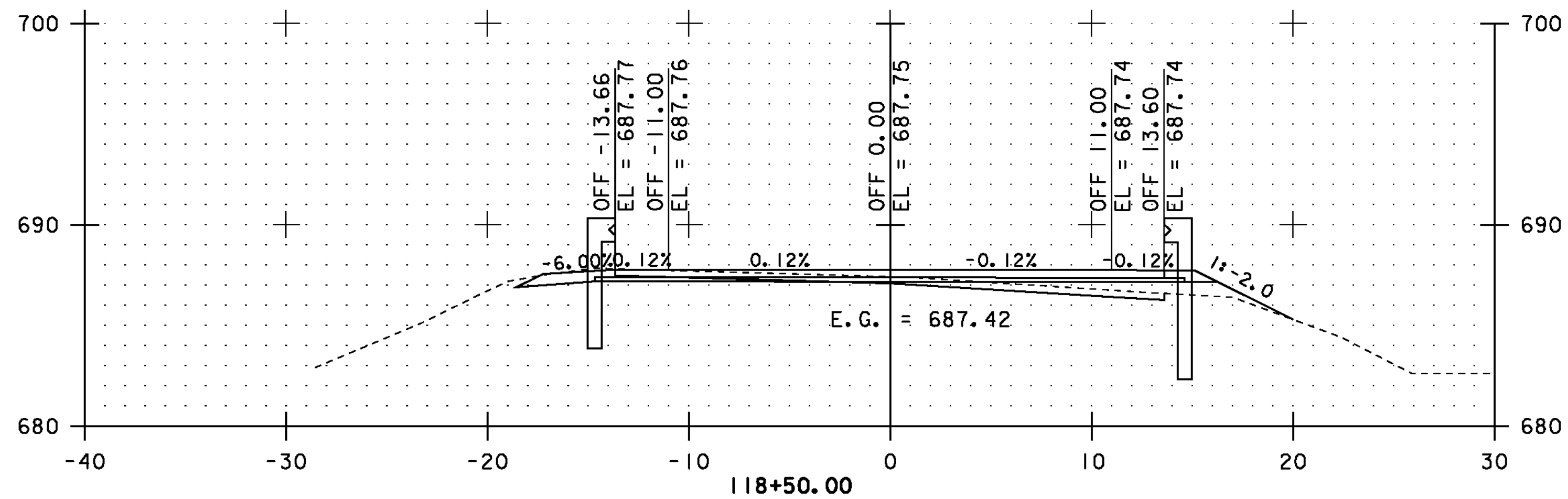


CROSS SECTIONS SHEET #44

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss44.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 94 OF 107



STA. 117+50.00 TO STA. 120+00.00



CROSS SECTIONS SHEET #45

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

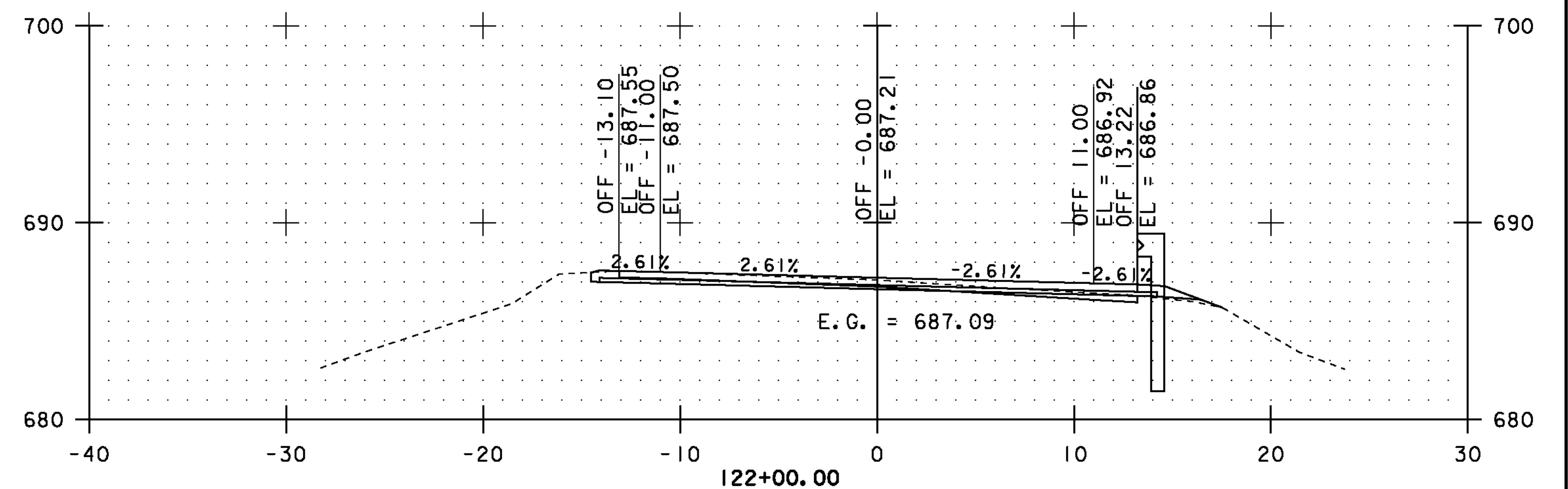
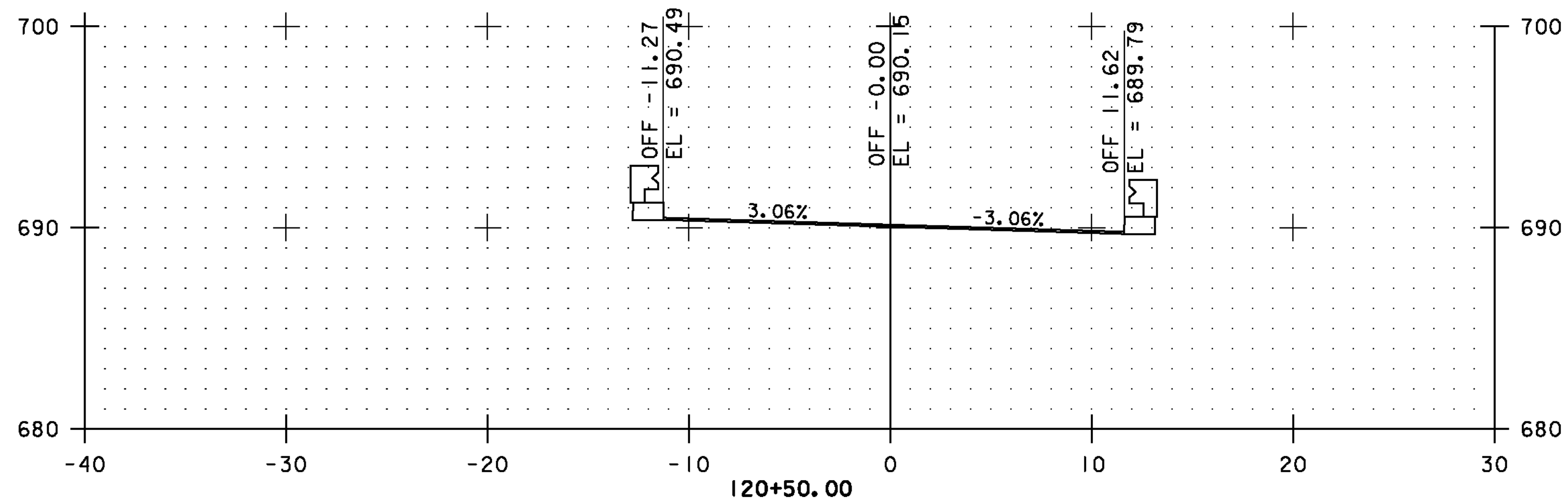
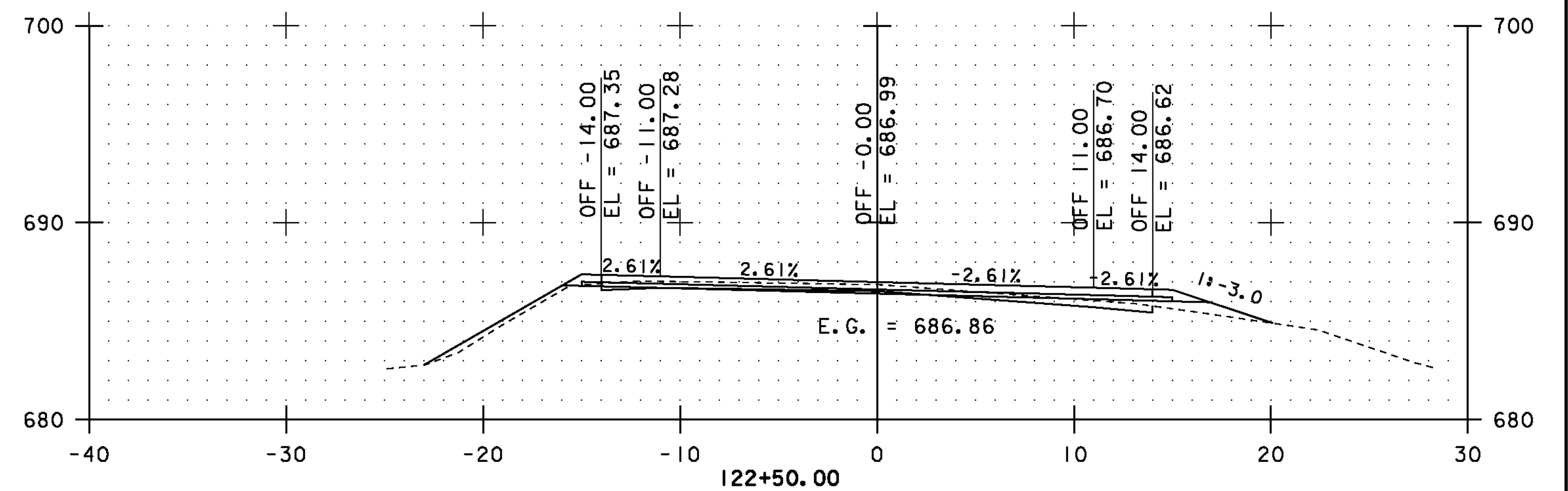
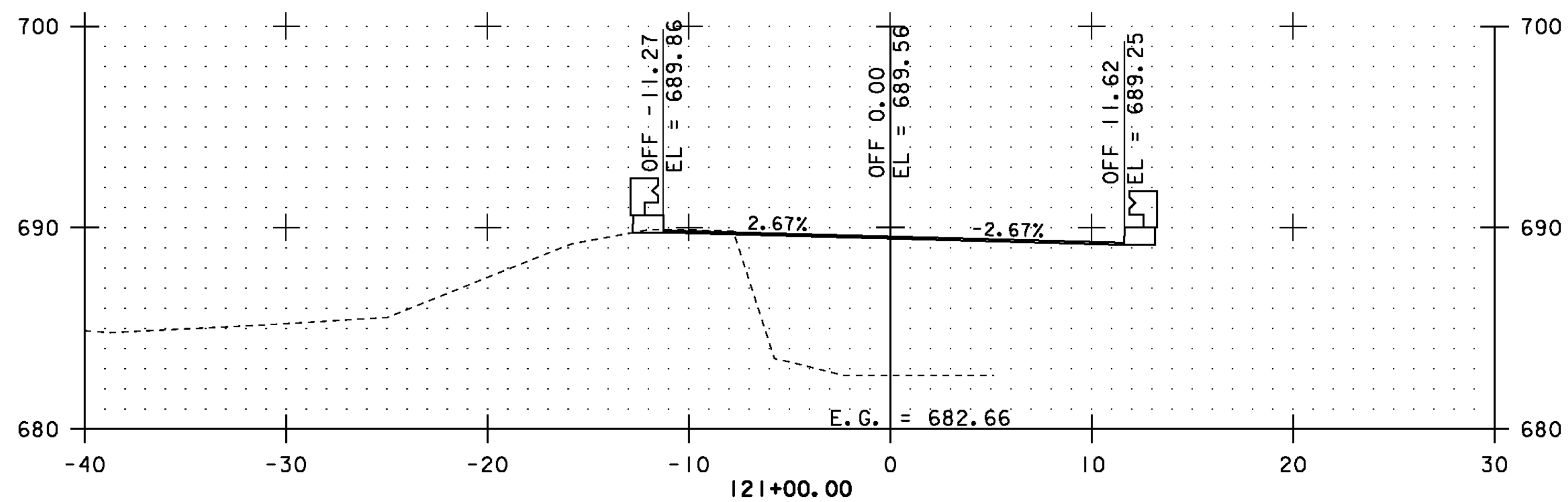
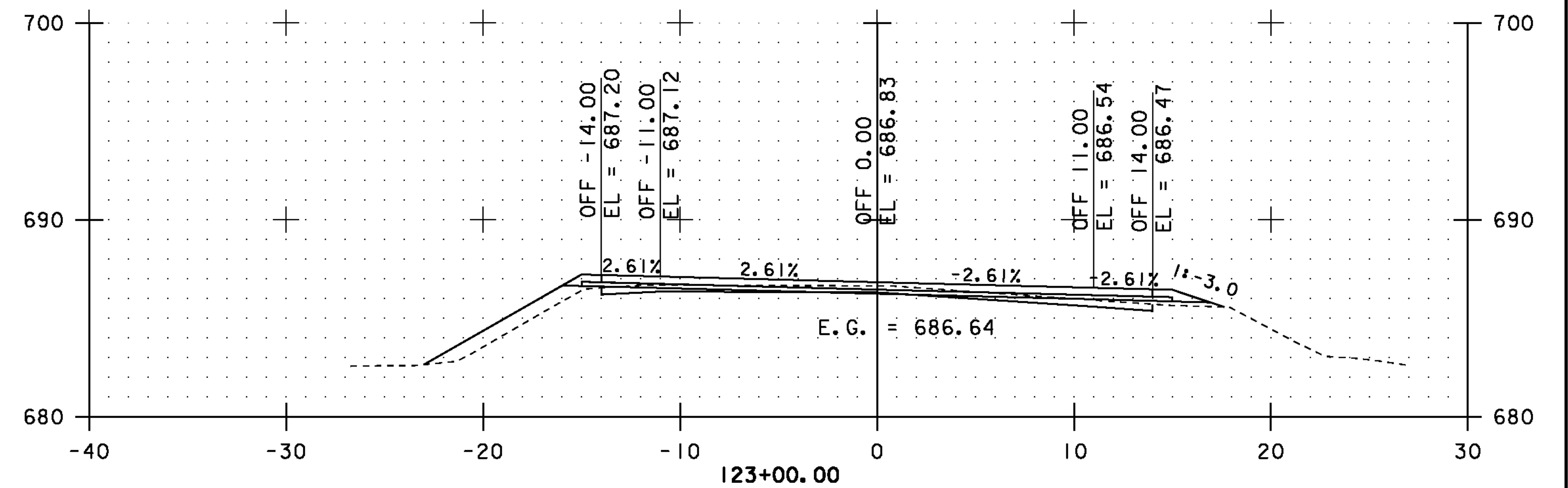
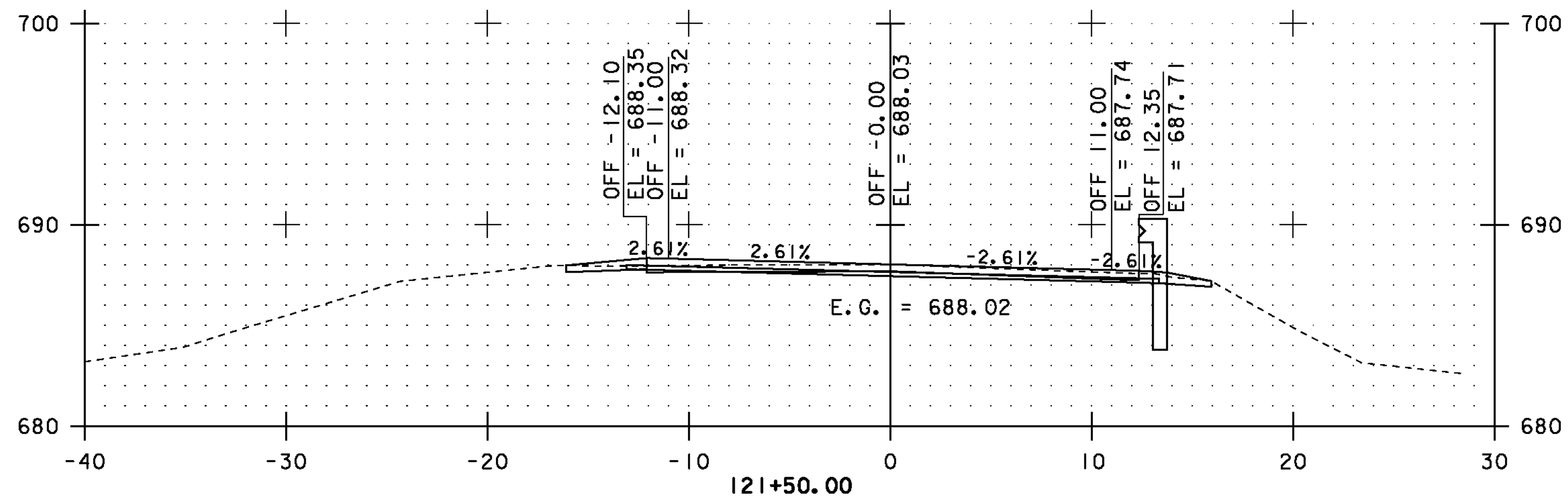
IPARM FILE: p01c052xss45.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 95 OF 107



STA. 120+50.00 TO STA. 123+00.00



CROSS SECTIONS SHEET #46

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

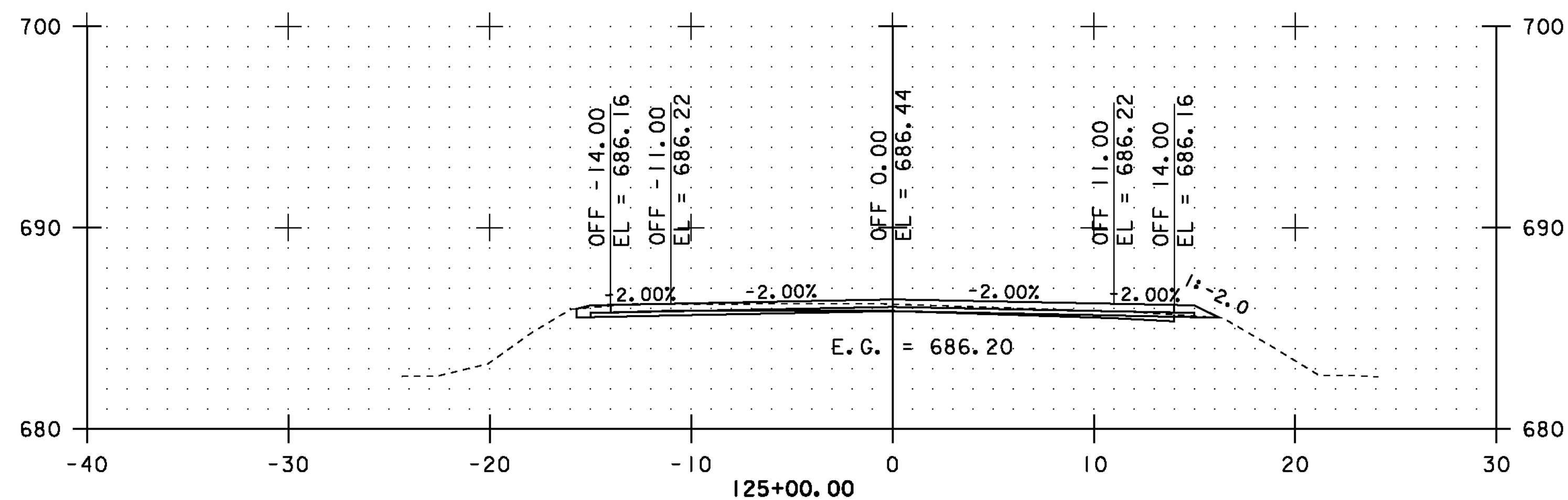
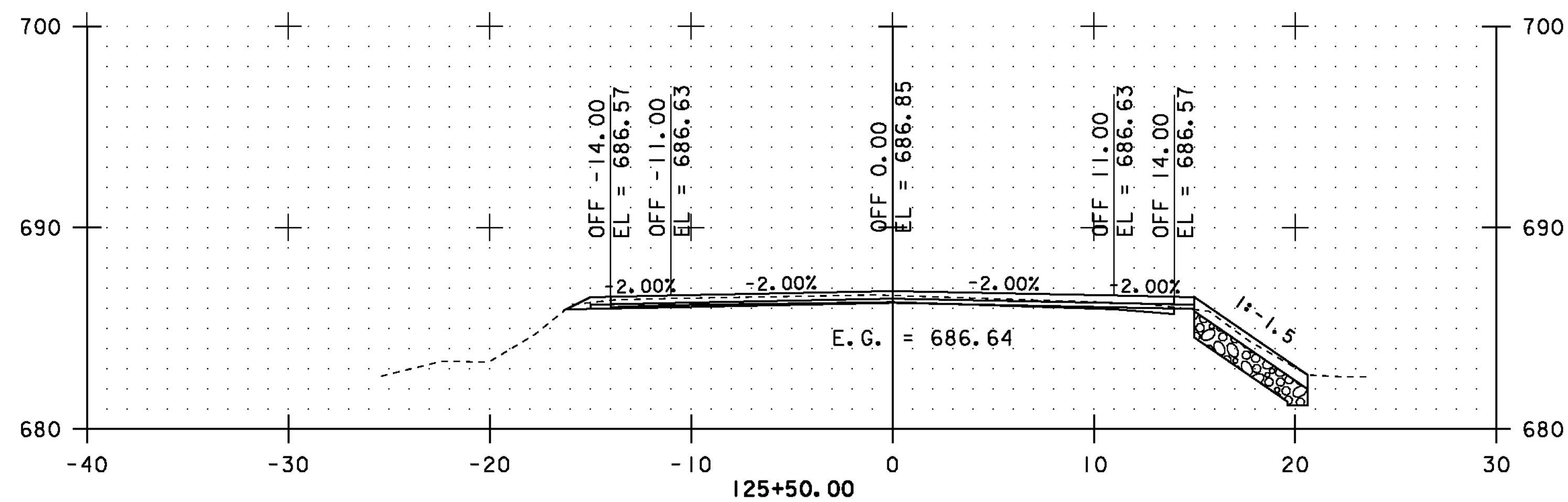
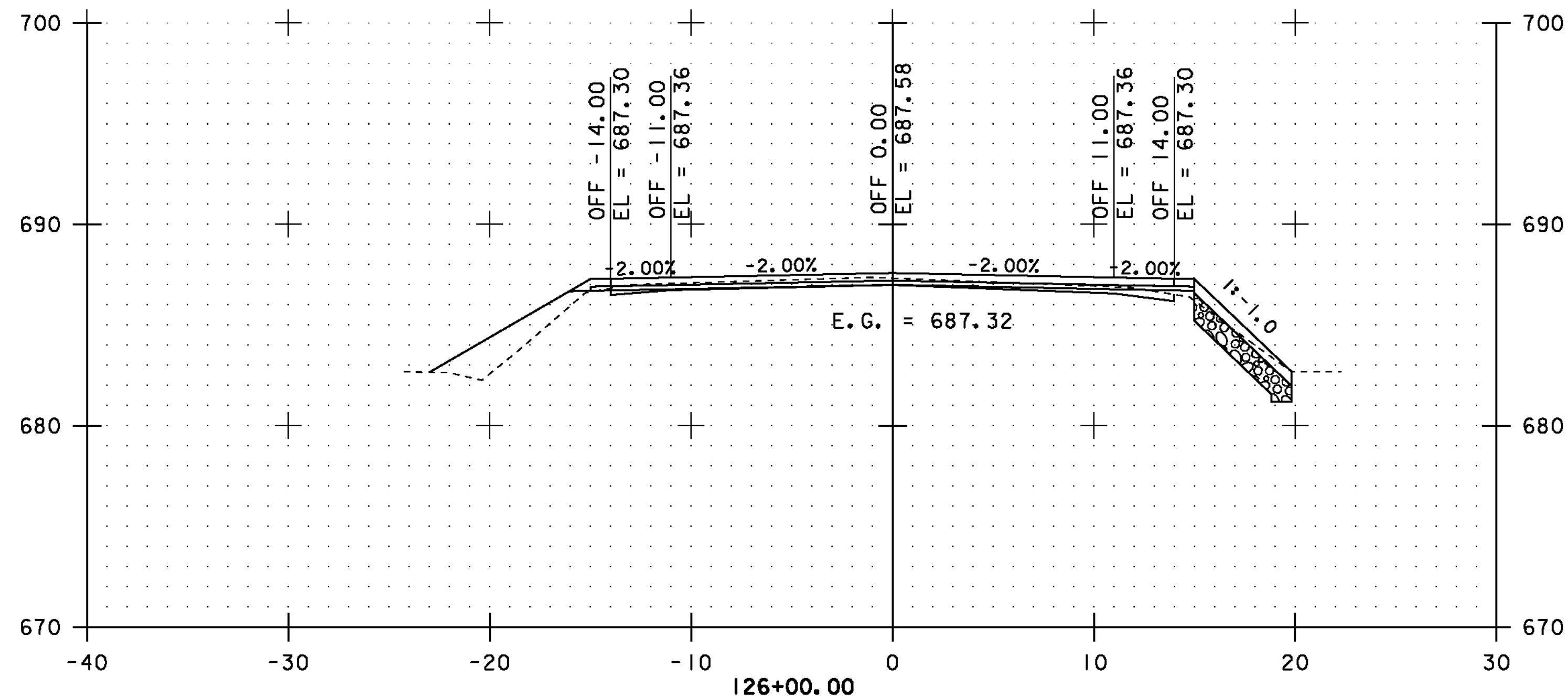
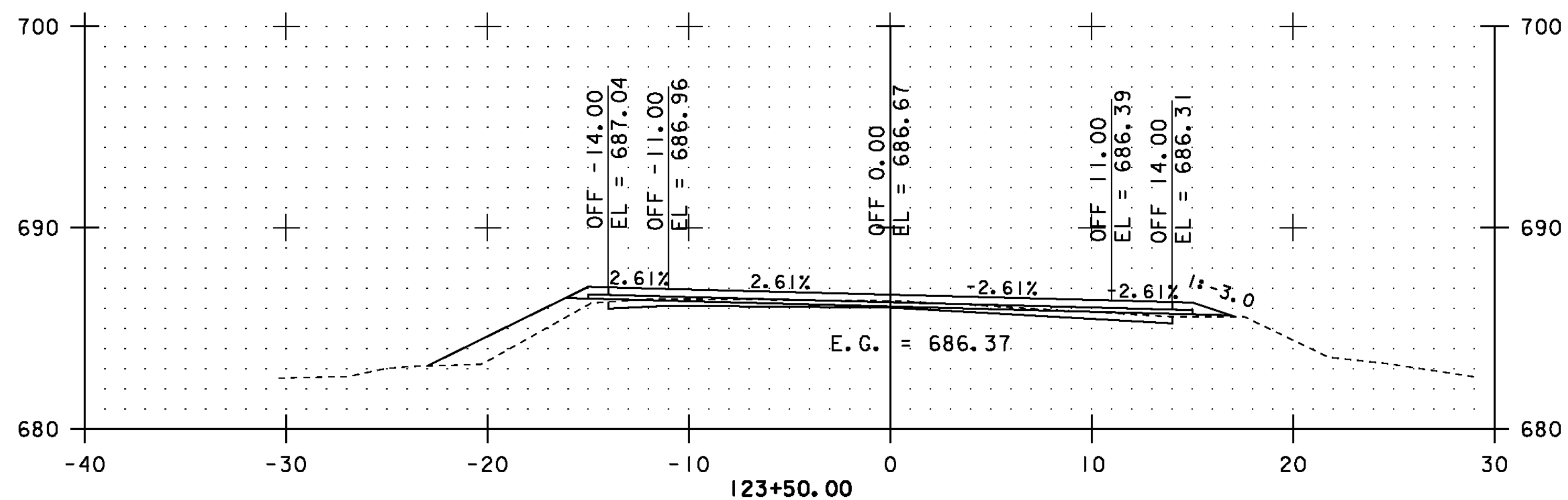
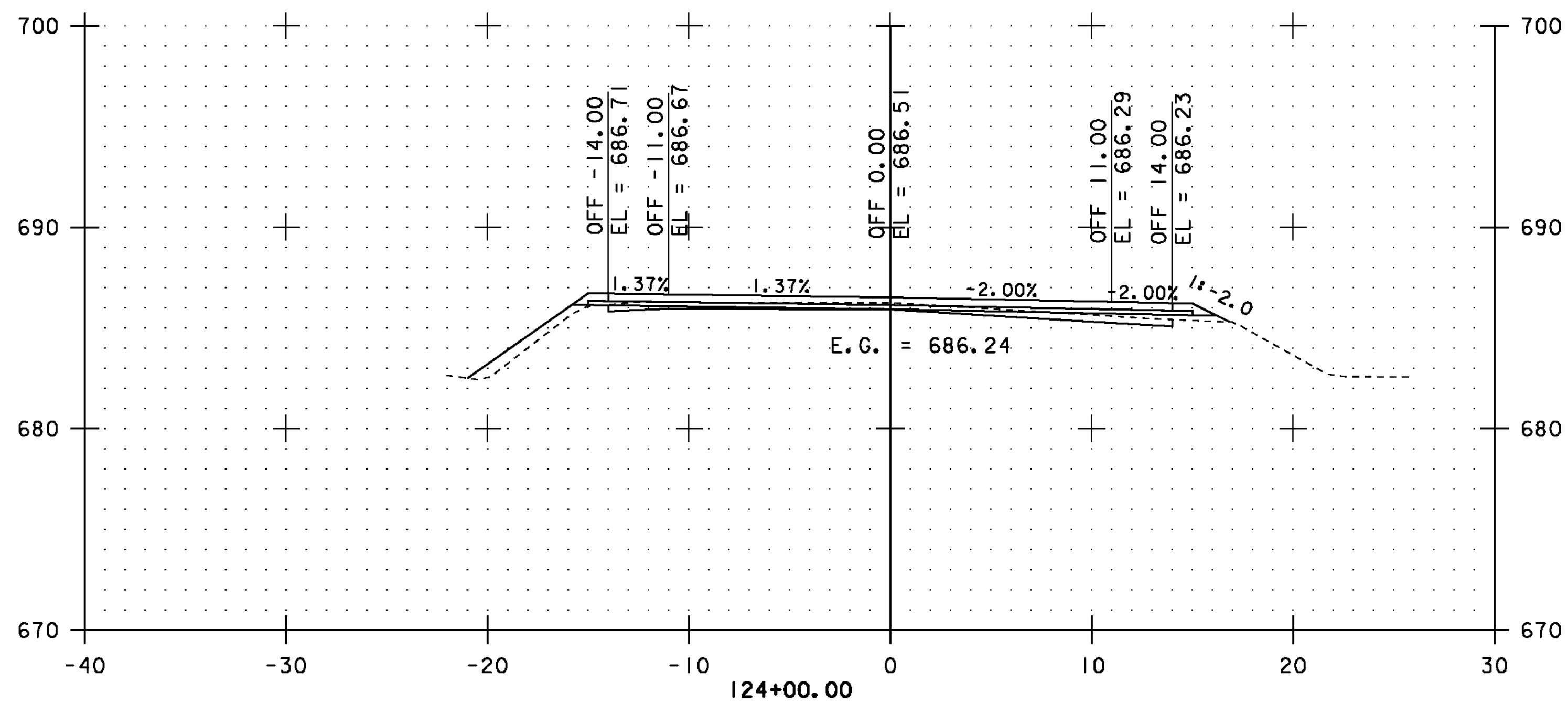
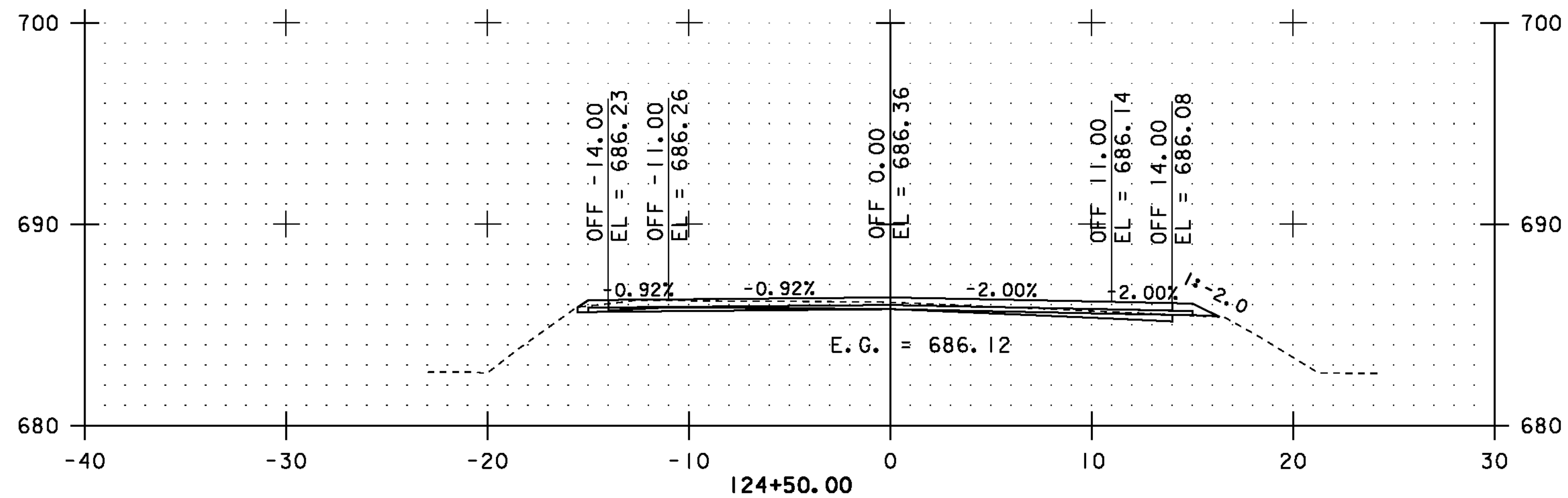
IPARM FILE: p01c052xss46.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 96 OF 107



STA. 123+50.00 TO STA. 126+00.00



CROSS SECTIONS SHEET #47

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

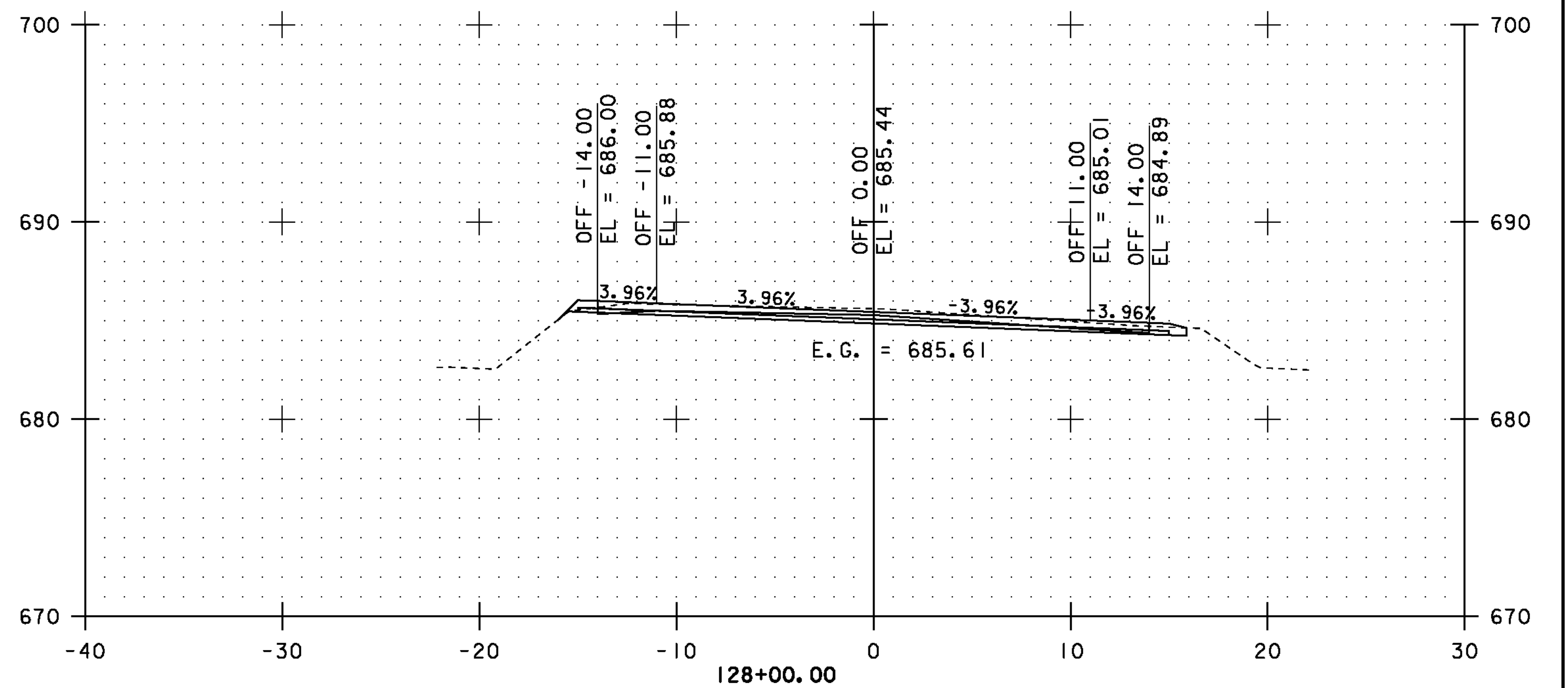
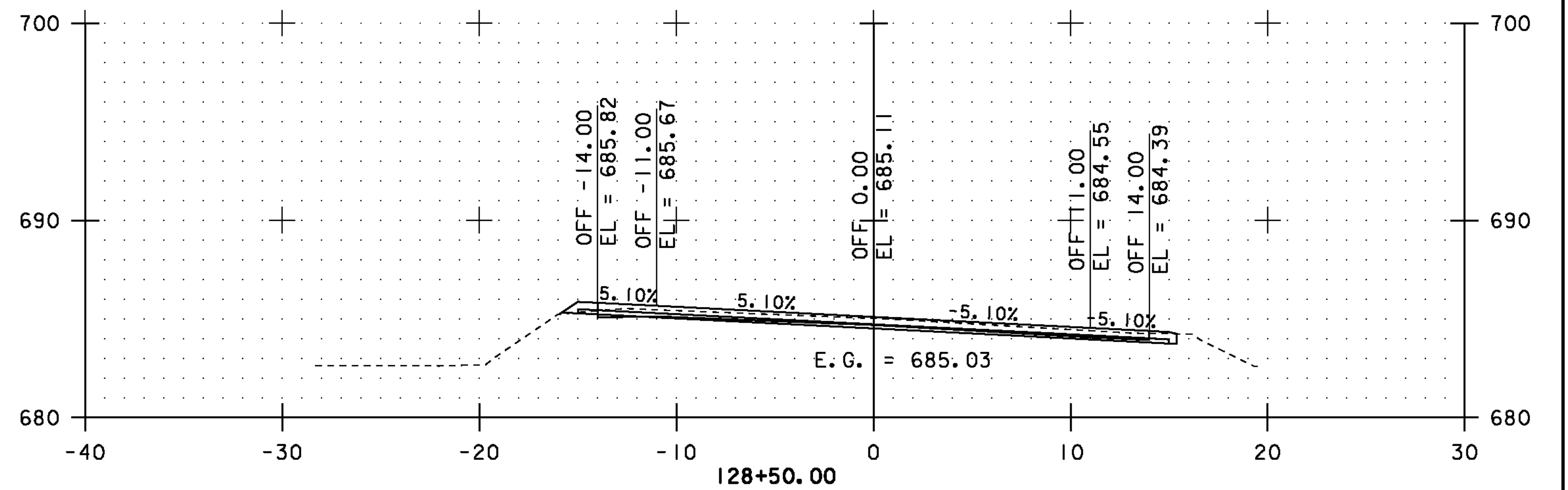
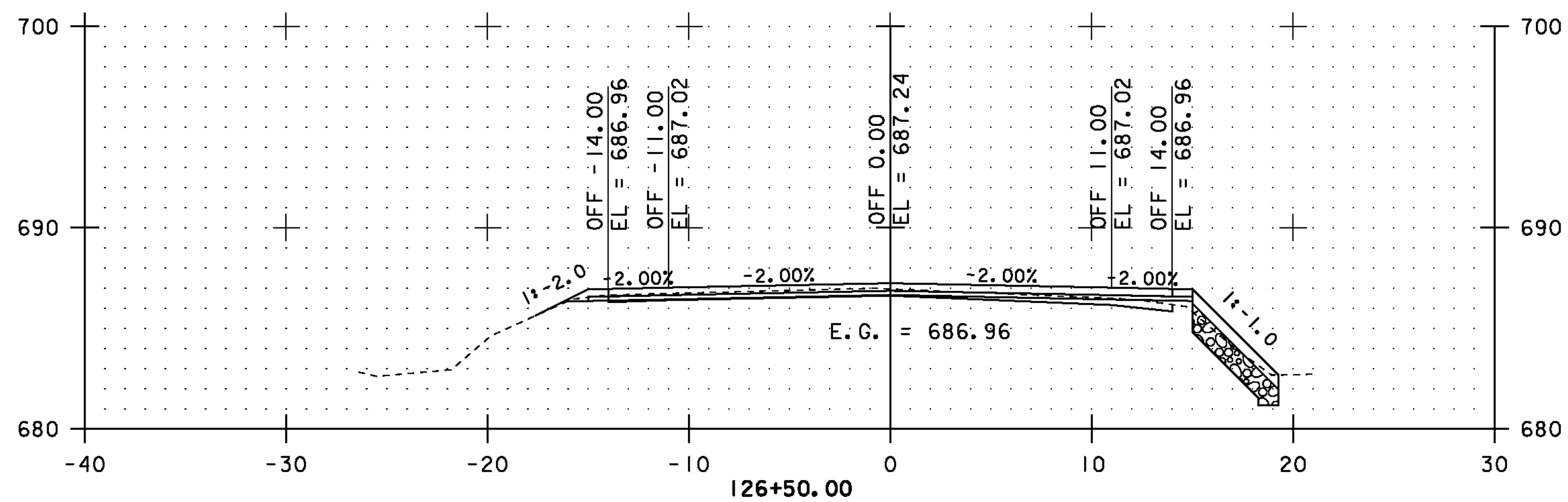
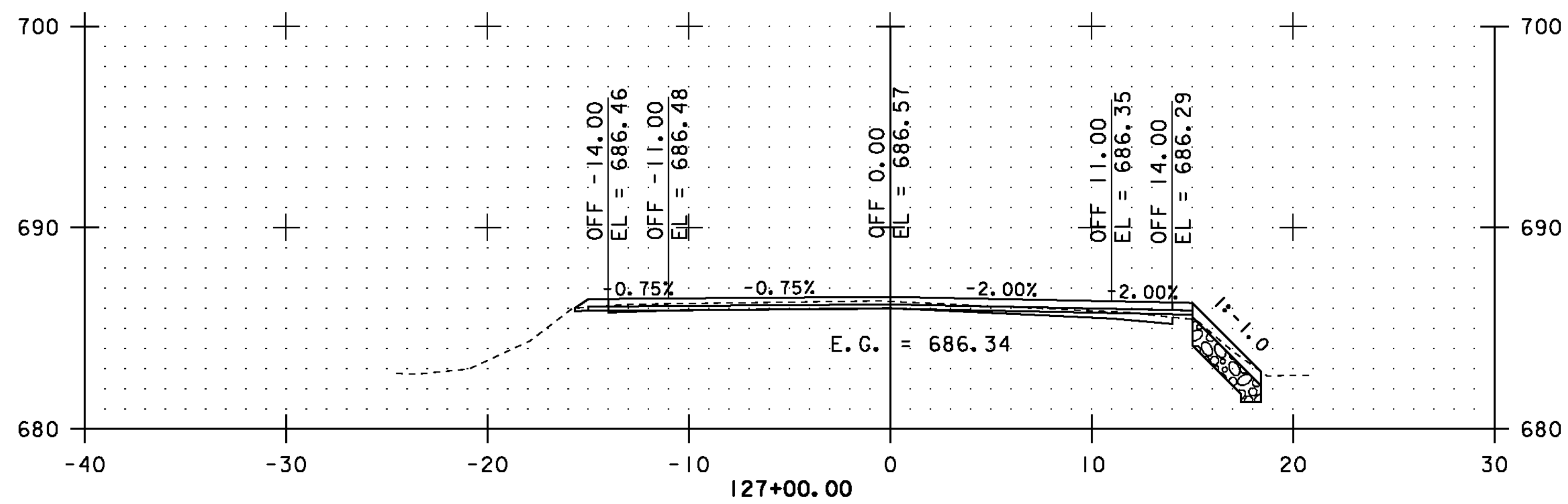
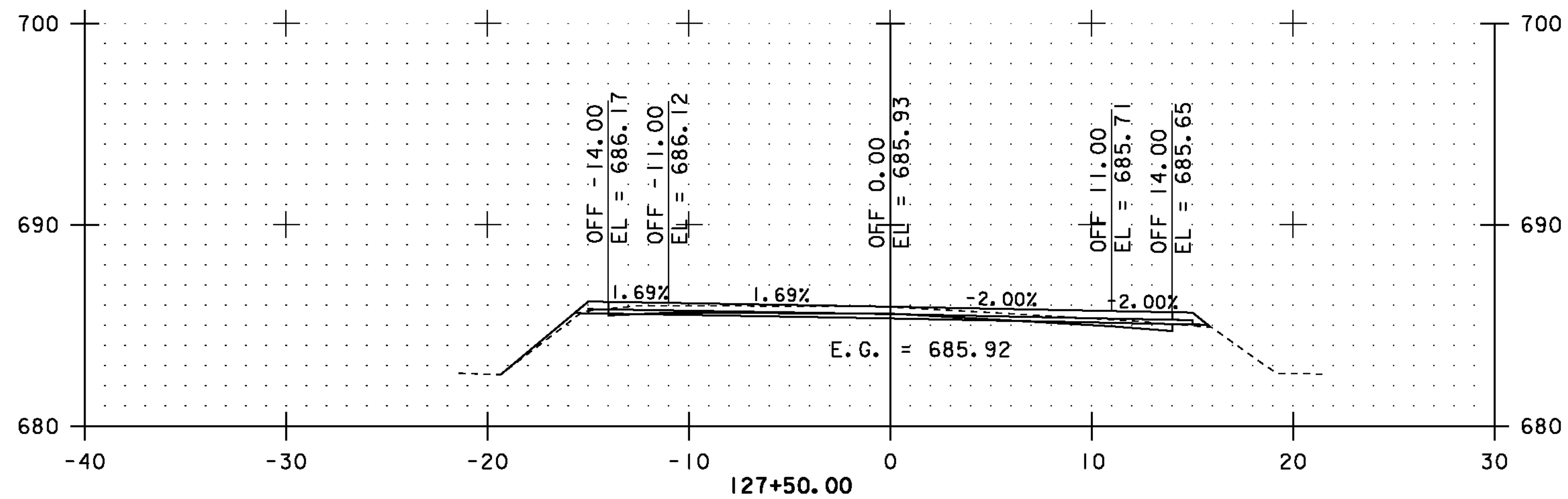
IPARM FILE: p01c052xss47.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 97 OF 107



STA. 126+50.00 TO STA. 128+50.00

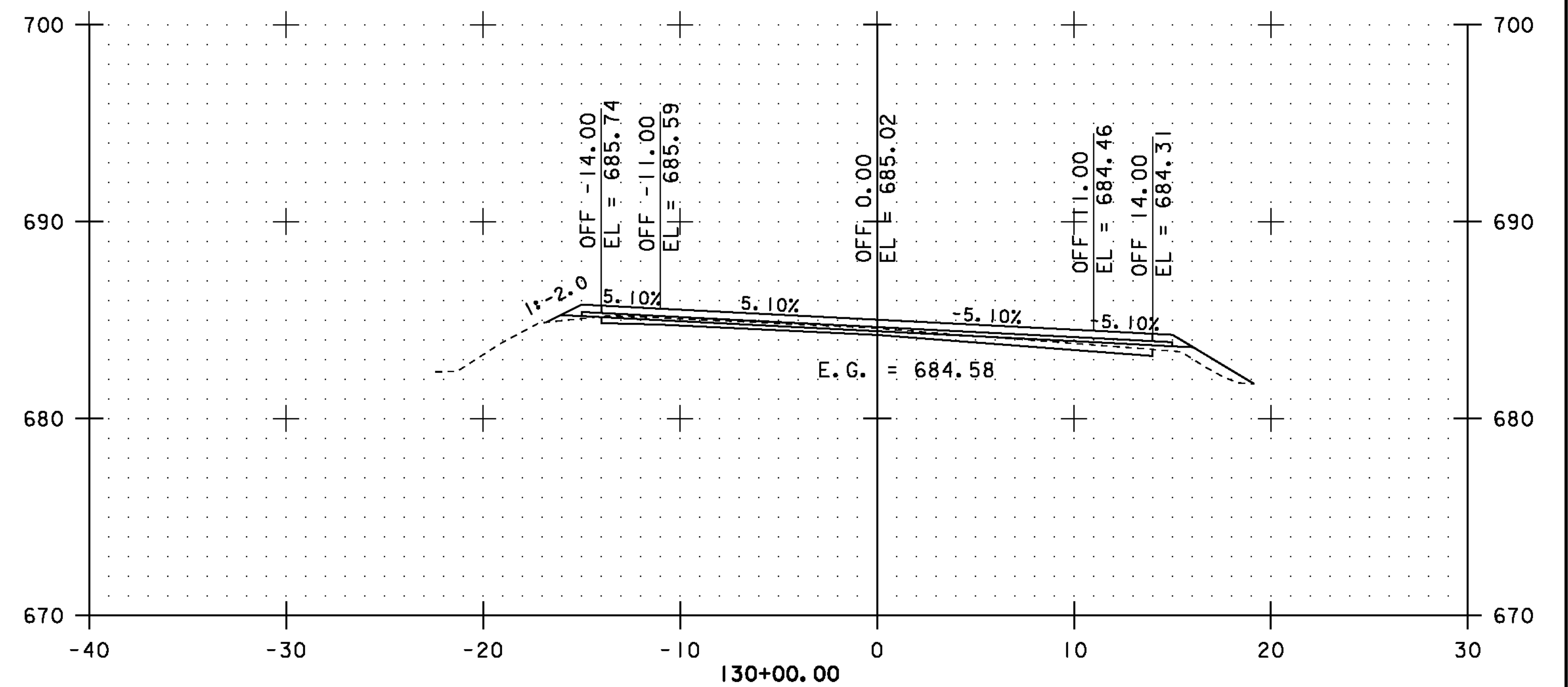
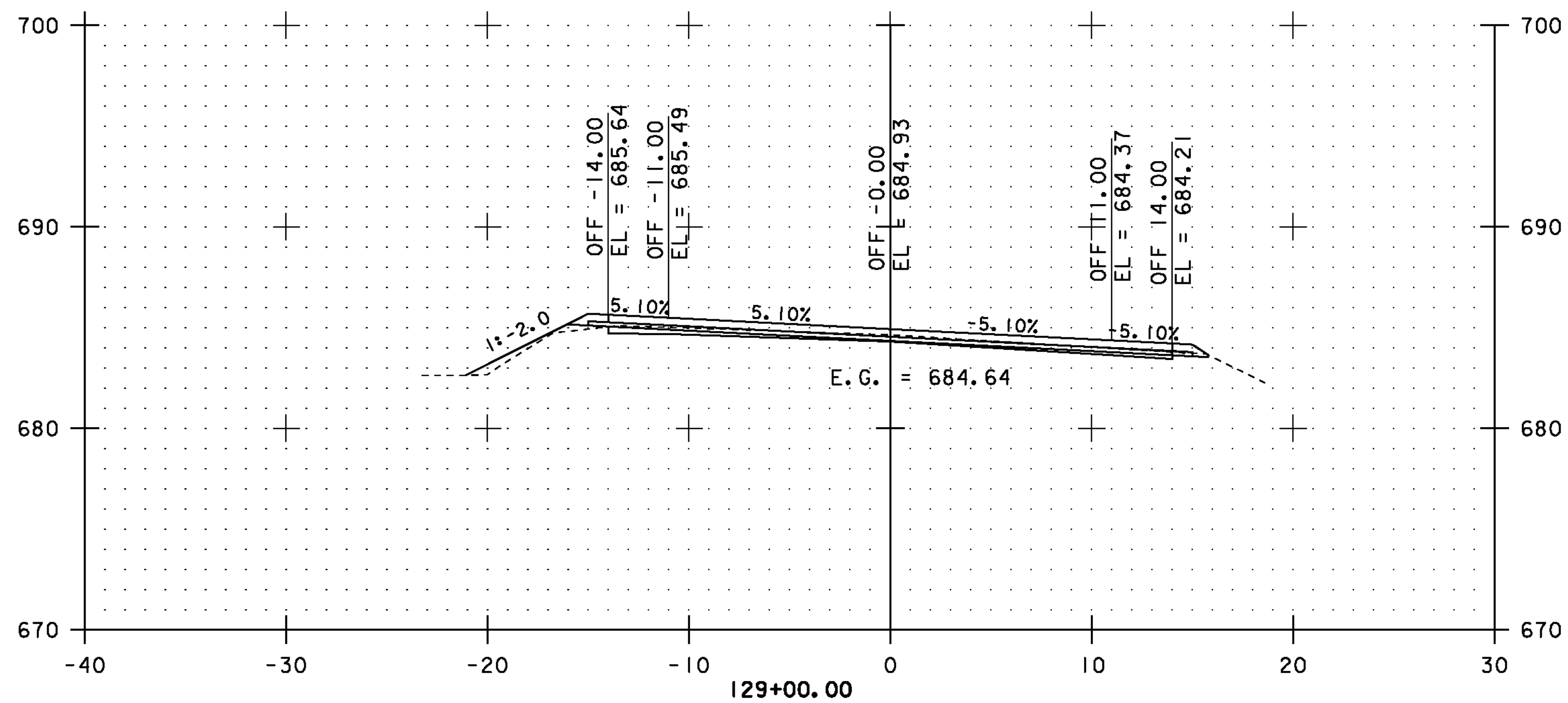
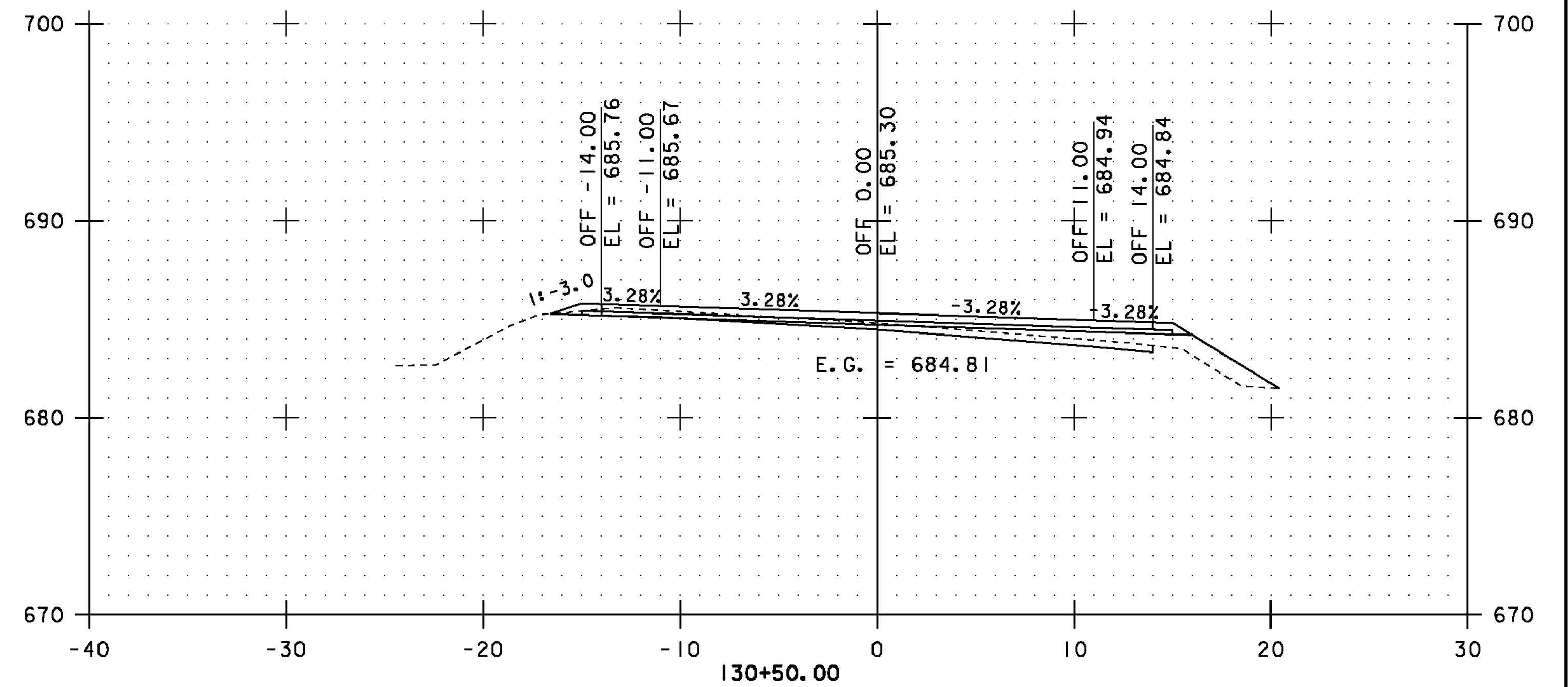
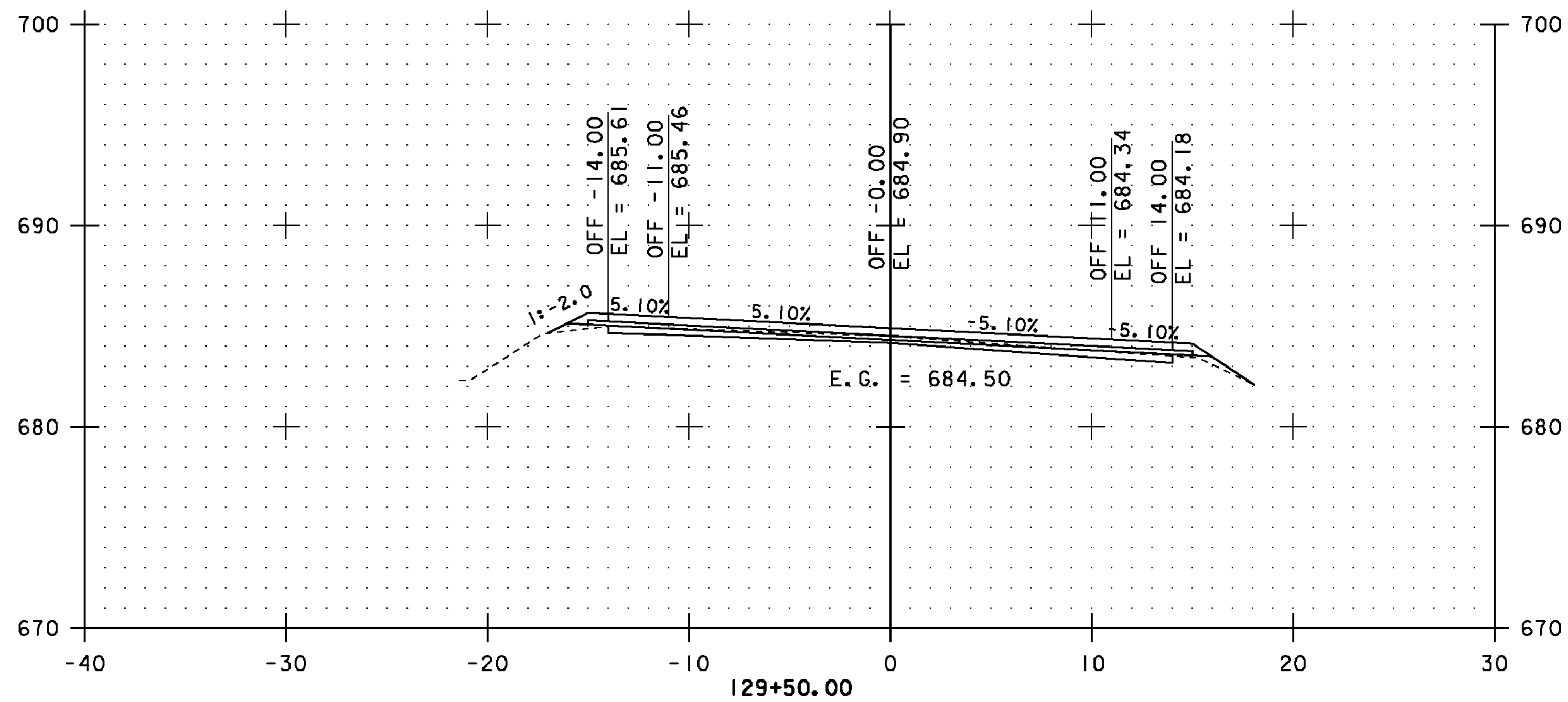


CROSS SECTIONS SHEET #48

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss48.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 98 OF 107



STA. 129+00.00 TO STA. 130+50.00

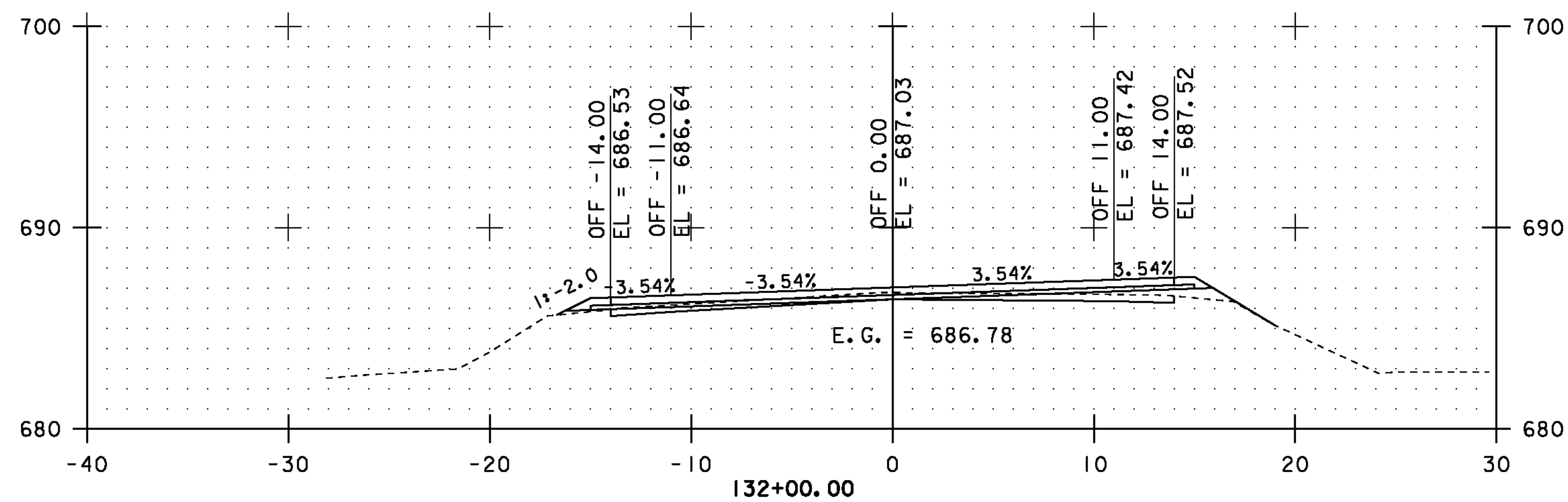
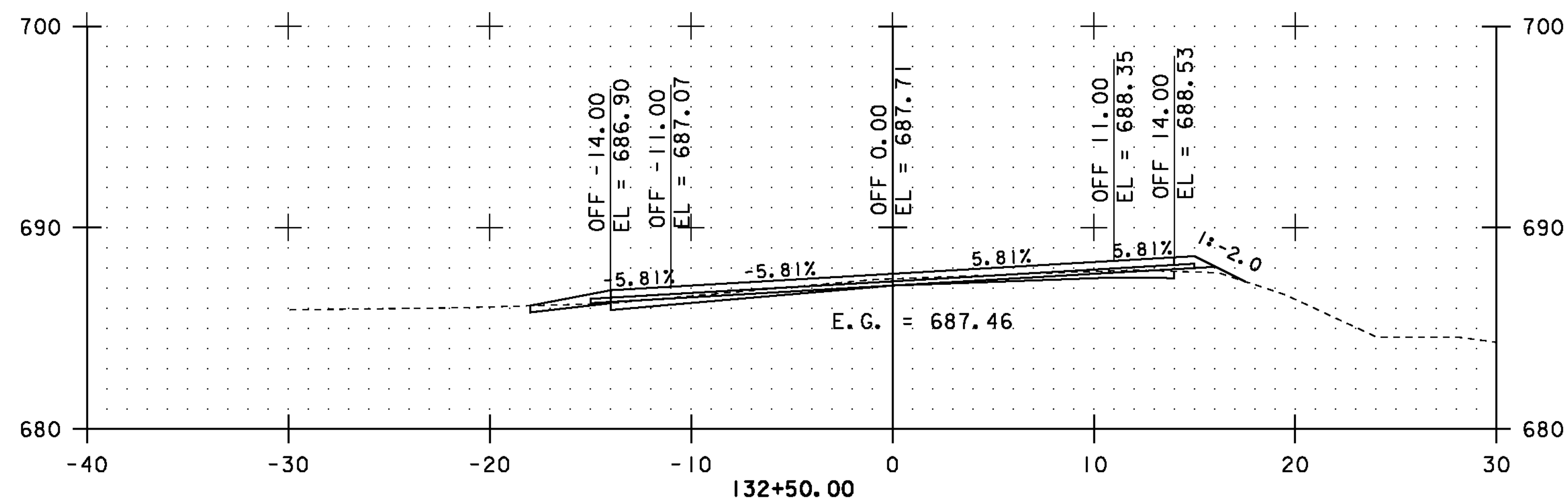
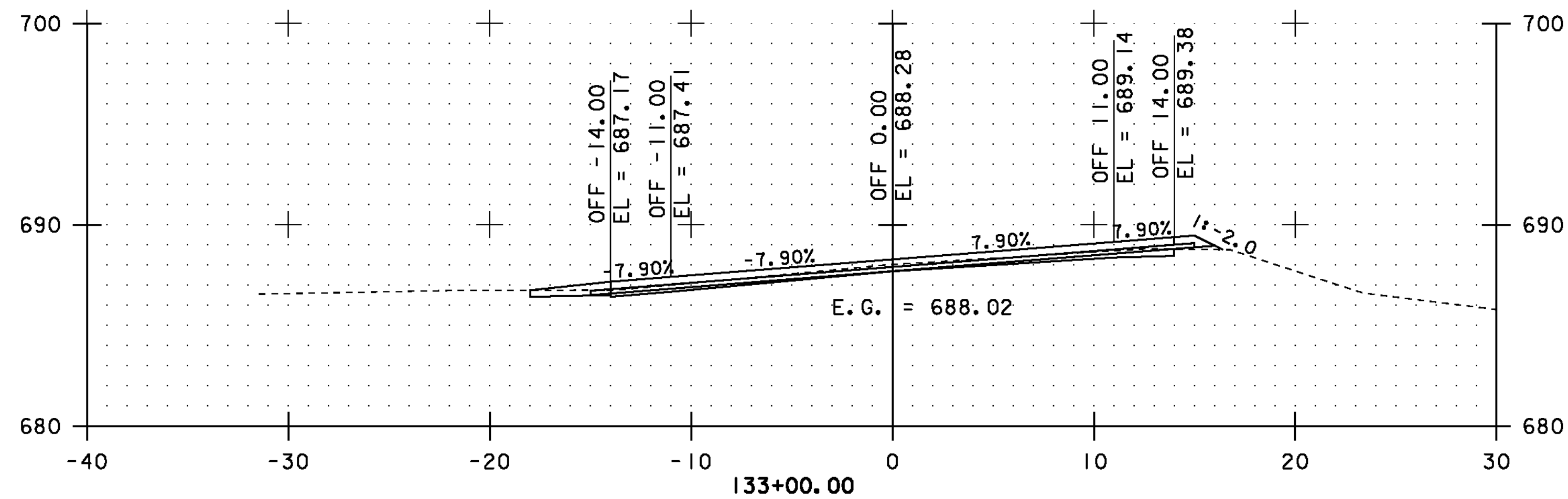
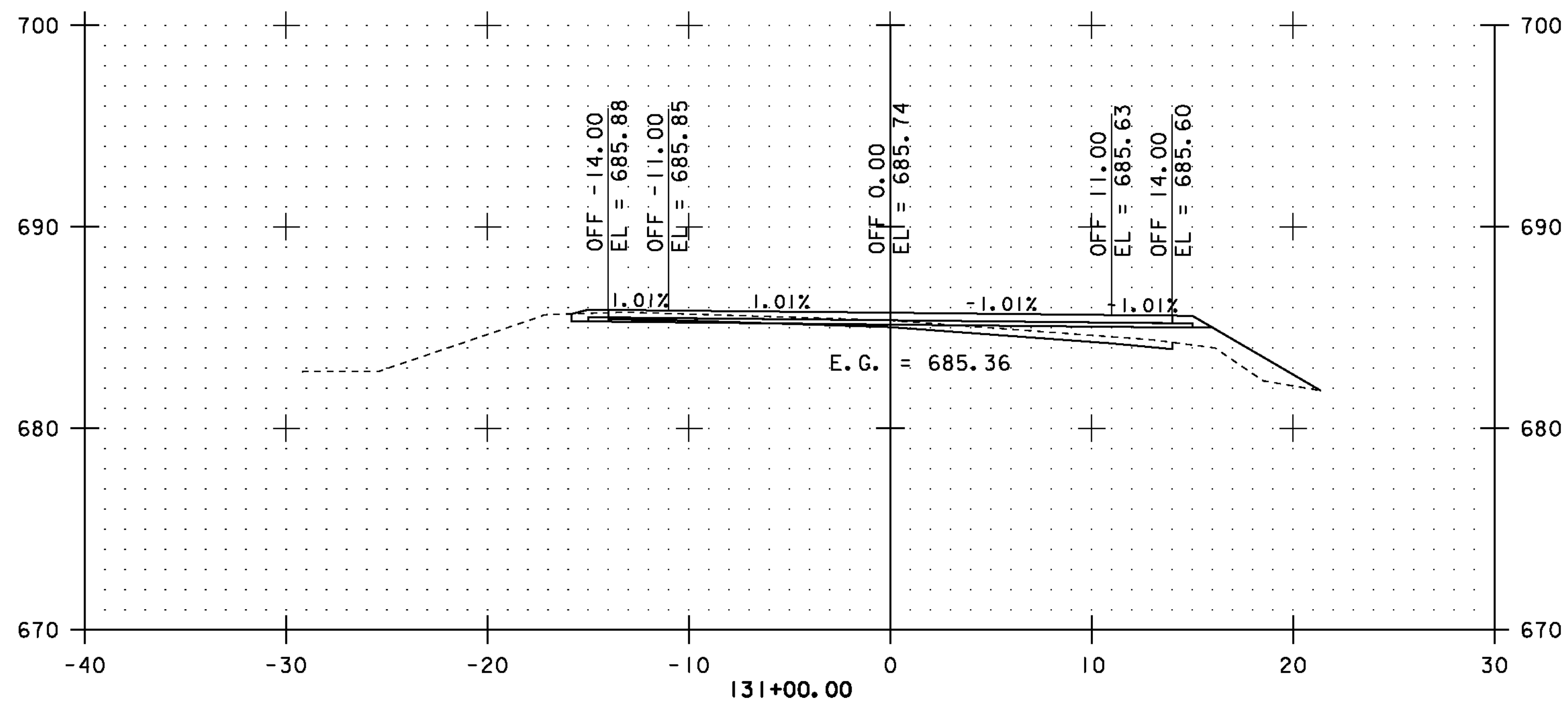
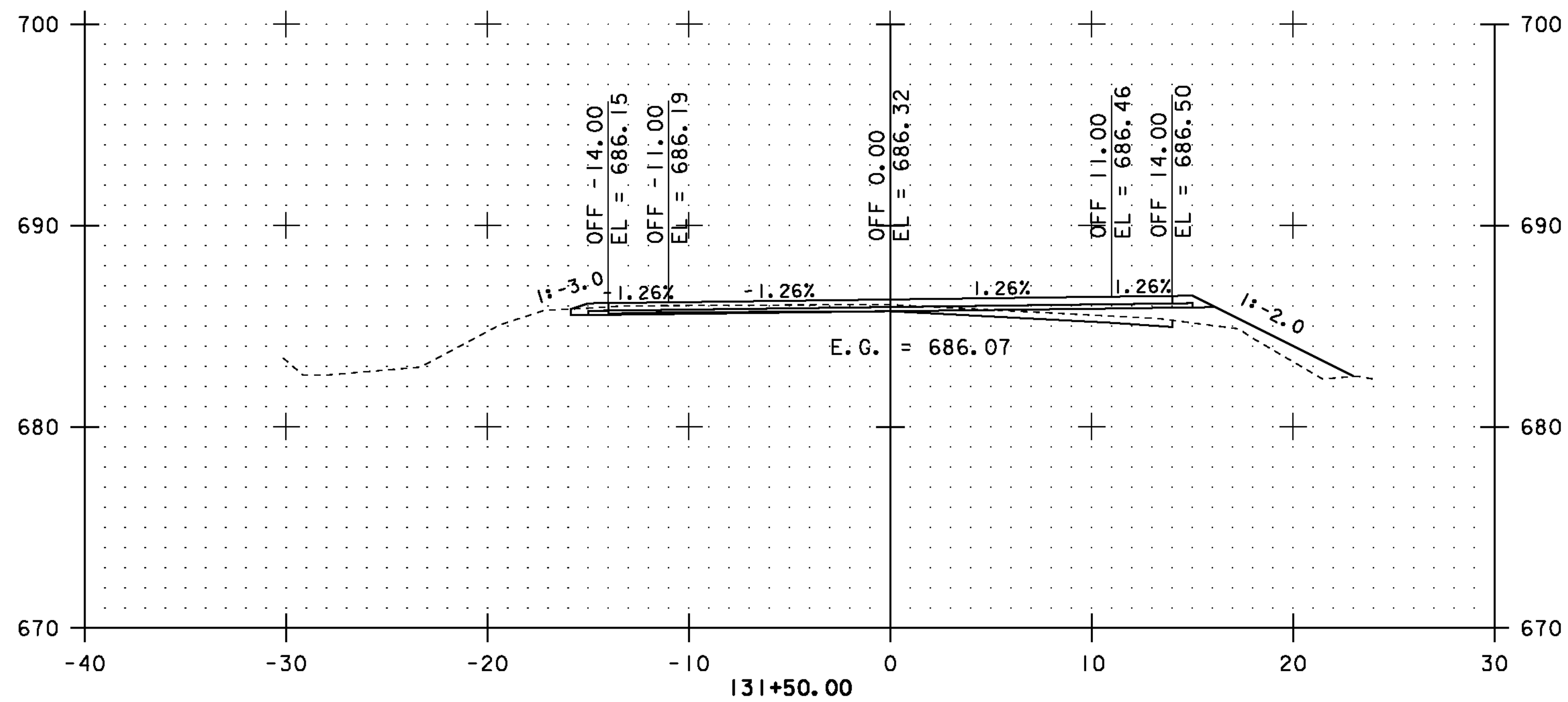


CROSS SECTIONS SHEET #49

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss49.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 99 OF 107



STA. 131+00.00 TO STA. 133+00.00



CROSS SECTIONS SHEET #50

PROJECT NAME: COVENTRY-NEWPORT CITY

PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

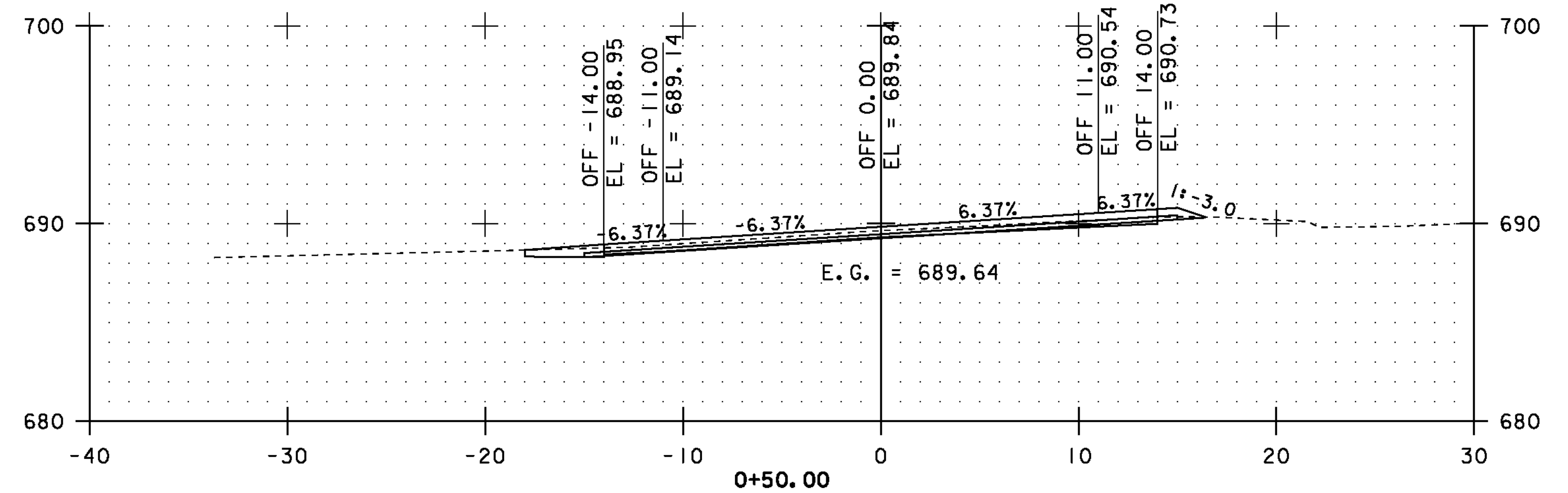
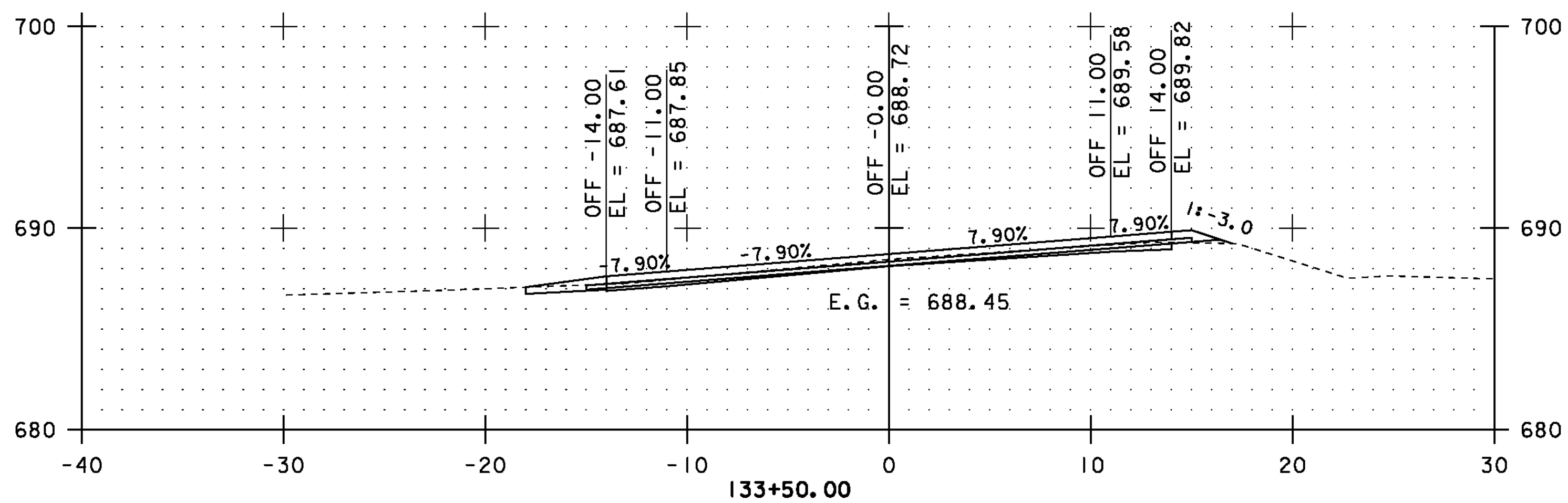
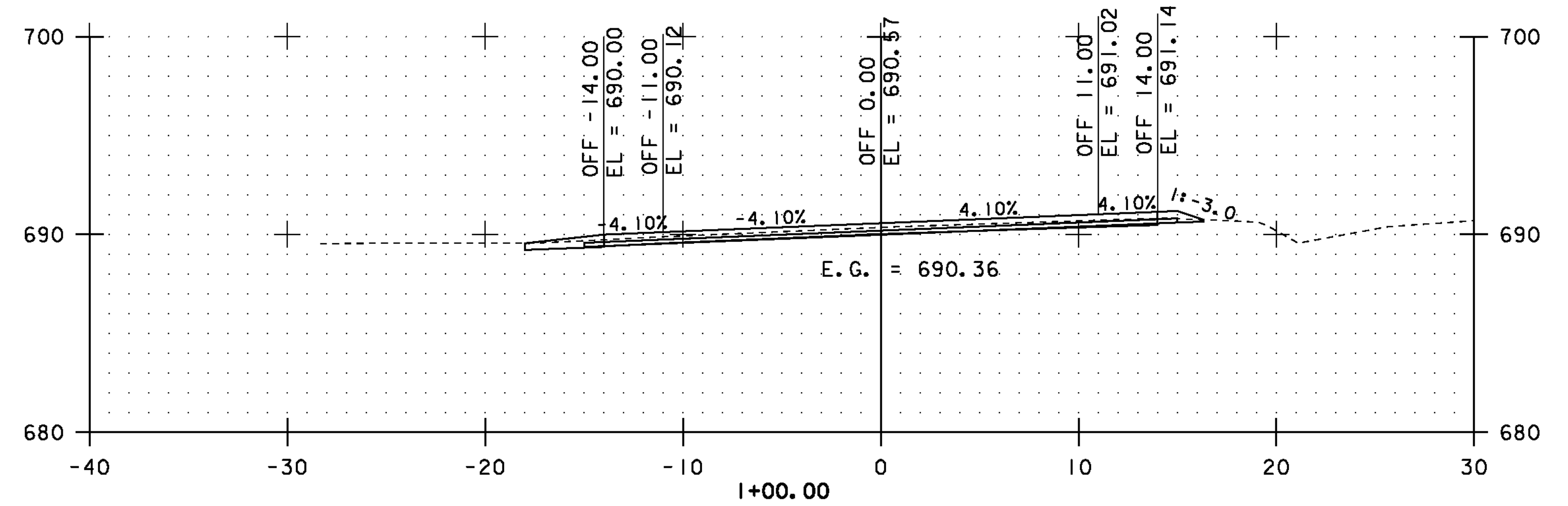
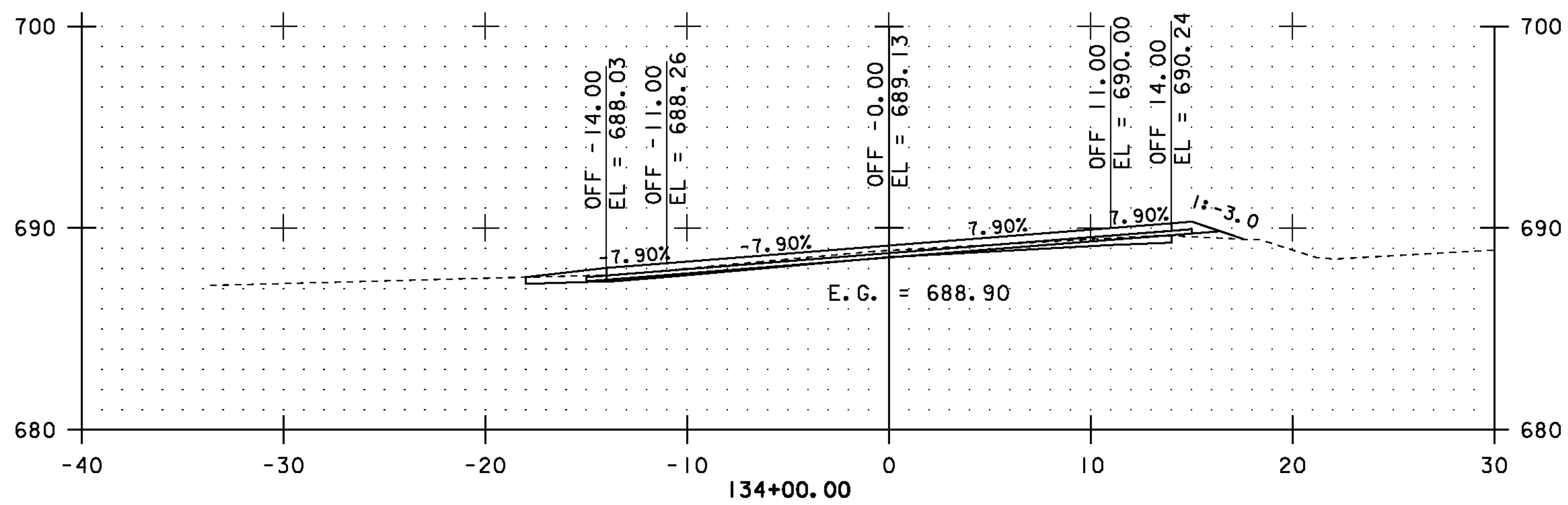
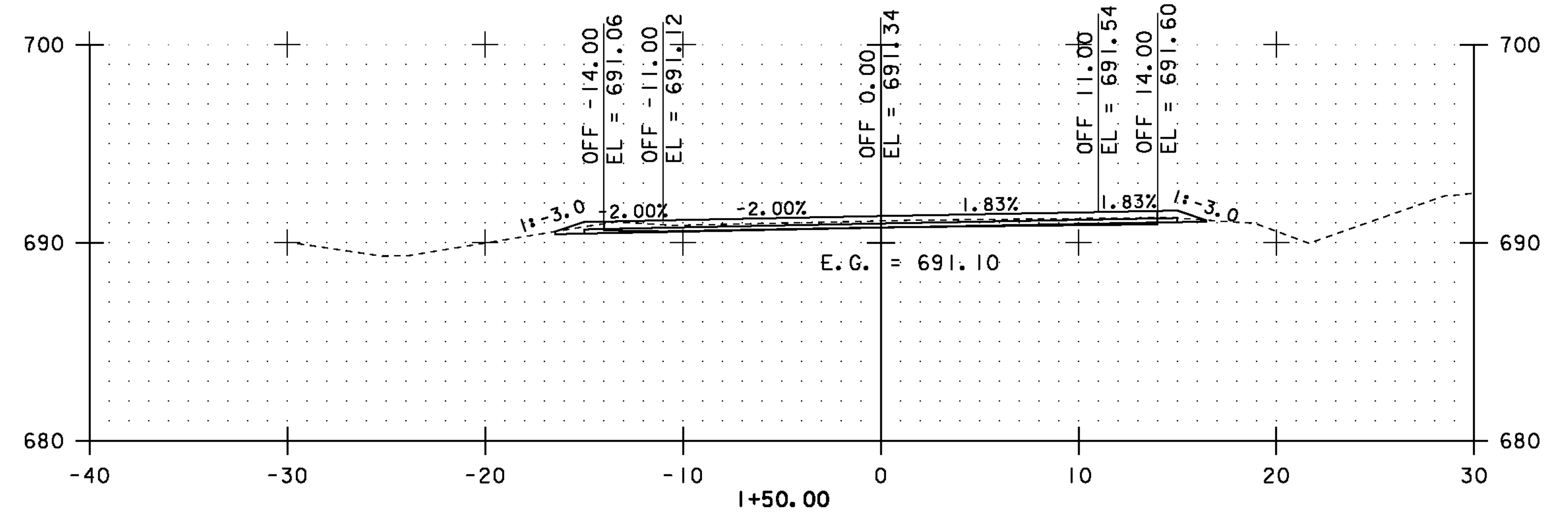
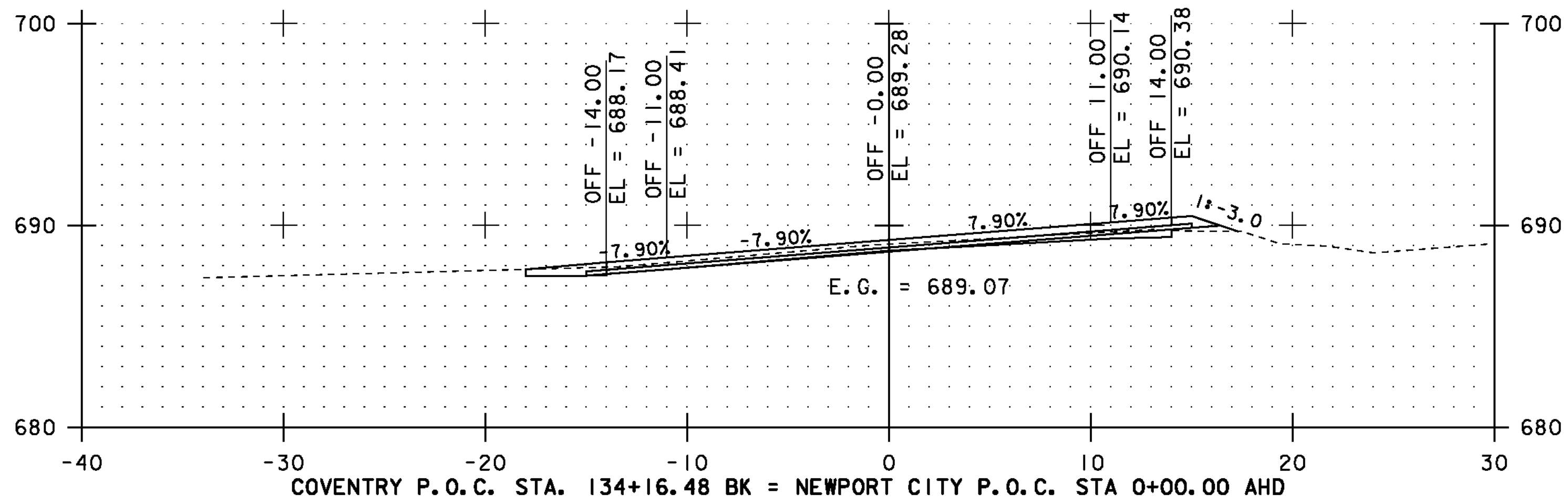
IPARM FILE: p01c052xss50.i

PLOT DATE: 18-MAY-2012

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 100 OF 107



STA. 133+50.00 TO STA. 1+50.00

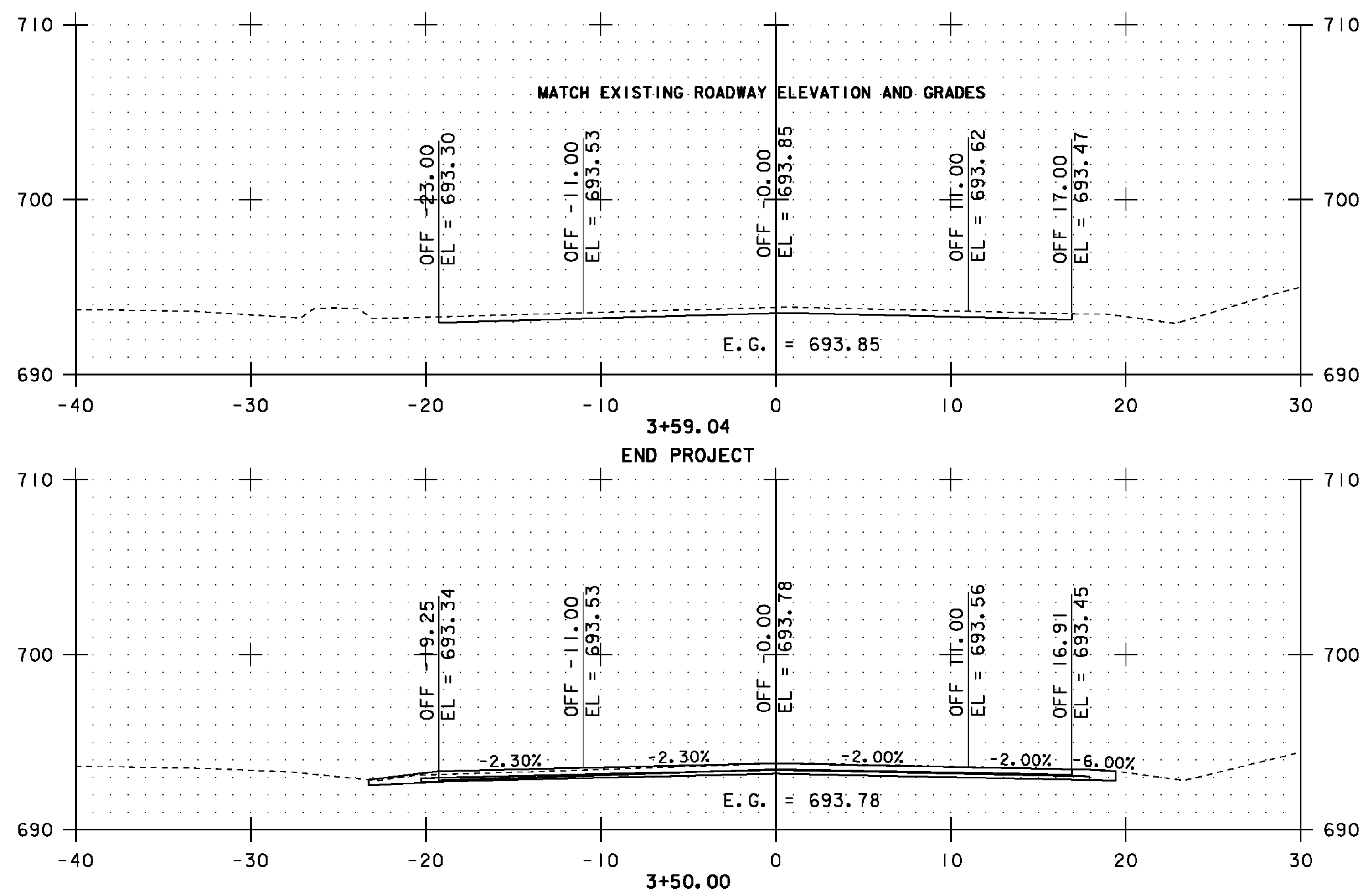
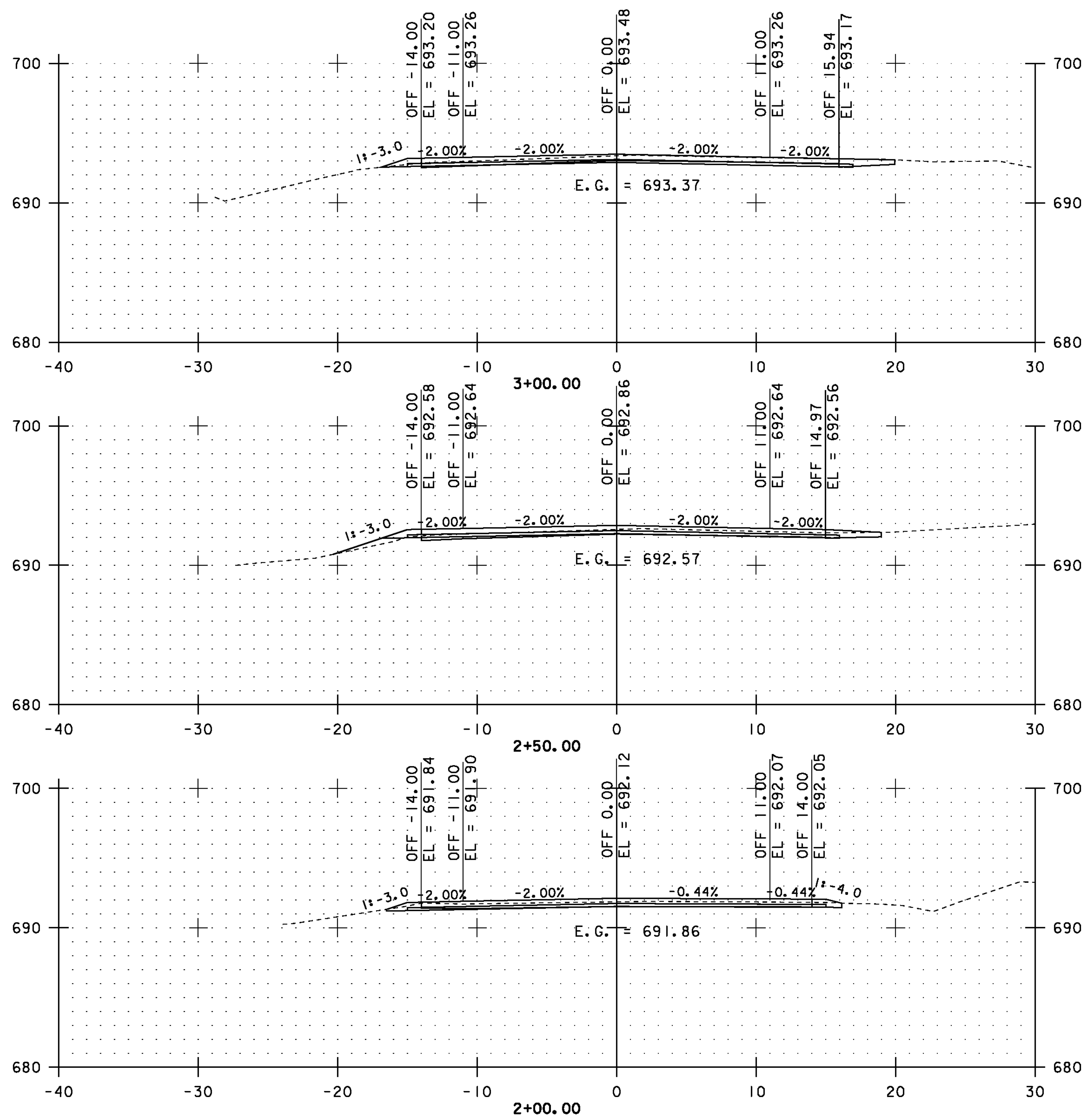


CROSS SECTIONS SHEET #51

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052xss51.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 101 OF 107



STA. 2+00.00 TO STA. 3+59.04



CROSS SECTIONS SHEET #52

PROJECT NAME: COVENTRY-NEWPORT CITY
PROJECT NUMBER: STP 2308(I)

FILE NAME: p01c052.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p01c052.xss52.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 102 OF 107

BEGIN STP 2308(1) COVENTRY STATE HIGHWAY
COVENTRY STA. -2+00.64 = MM -0.038



- SEE VAOT STANDARDS E-100 AND E-100A FOR SIGN PLACEMENT.

LOCATION	ERW	RW500	RWA	SRWA	SRW500	▷
COVENTRY STATE HIGHWAY (BEGIN PROJECT)	1	2	2			1
AIRPORT ROAD (SA 2)	1		1			
LARAMEE ROAD (T.H. 18)	1		1			
BILLINGS POINT ROAD (T.H. 10)	1		1			
U.S. ROUTE 5	2			4	4	2
TOTALS	6	2	5	4	4	3

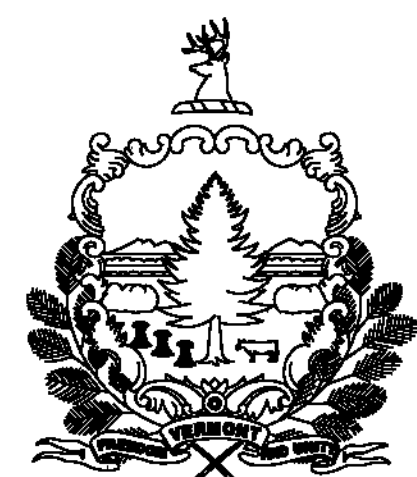
ERW	= END ROAD WORK
RW500	= ROAD WORK 500 FT
RWA	= ROAD WORK AHEAD
SRWA	= SIDE ROAD WORK AHEAD
SRW500	= SIDE ROAD WORK 500 FT
	= PORTABLE CHANGEABLE MESSAGE SIGN



PROJECT NAME:	COVENTRY-NEWPORT CITY
PROJECT NUMBER:	STP 2308(I)

FILE NAME: p01c052.dgn	PLOT DATE: 18-MAY-2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p01c052cas.i	SHEET 103 OF 107

STATE OF VERMONT
AGENCY OF TRANSPORTATION

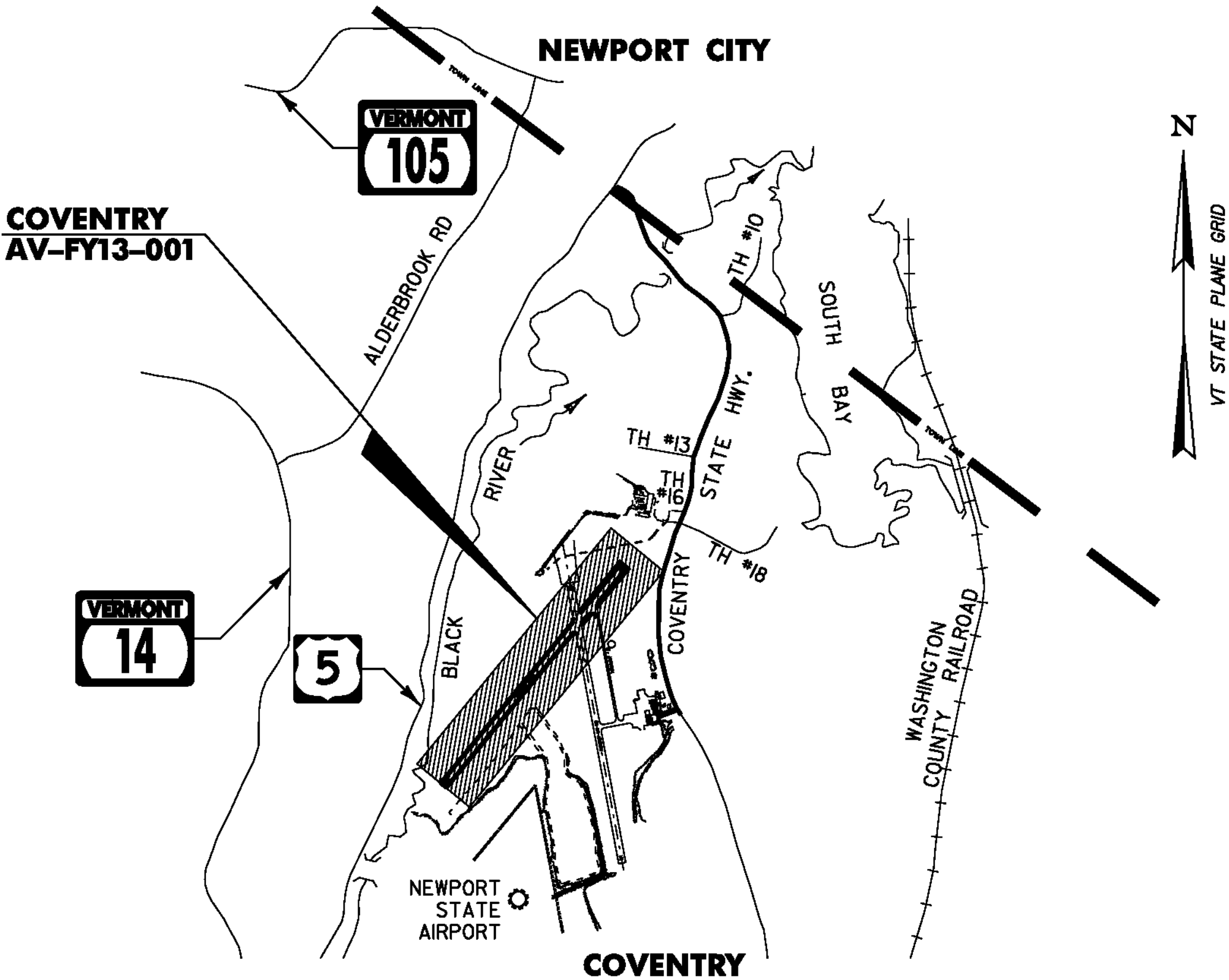
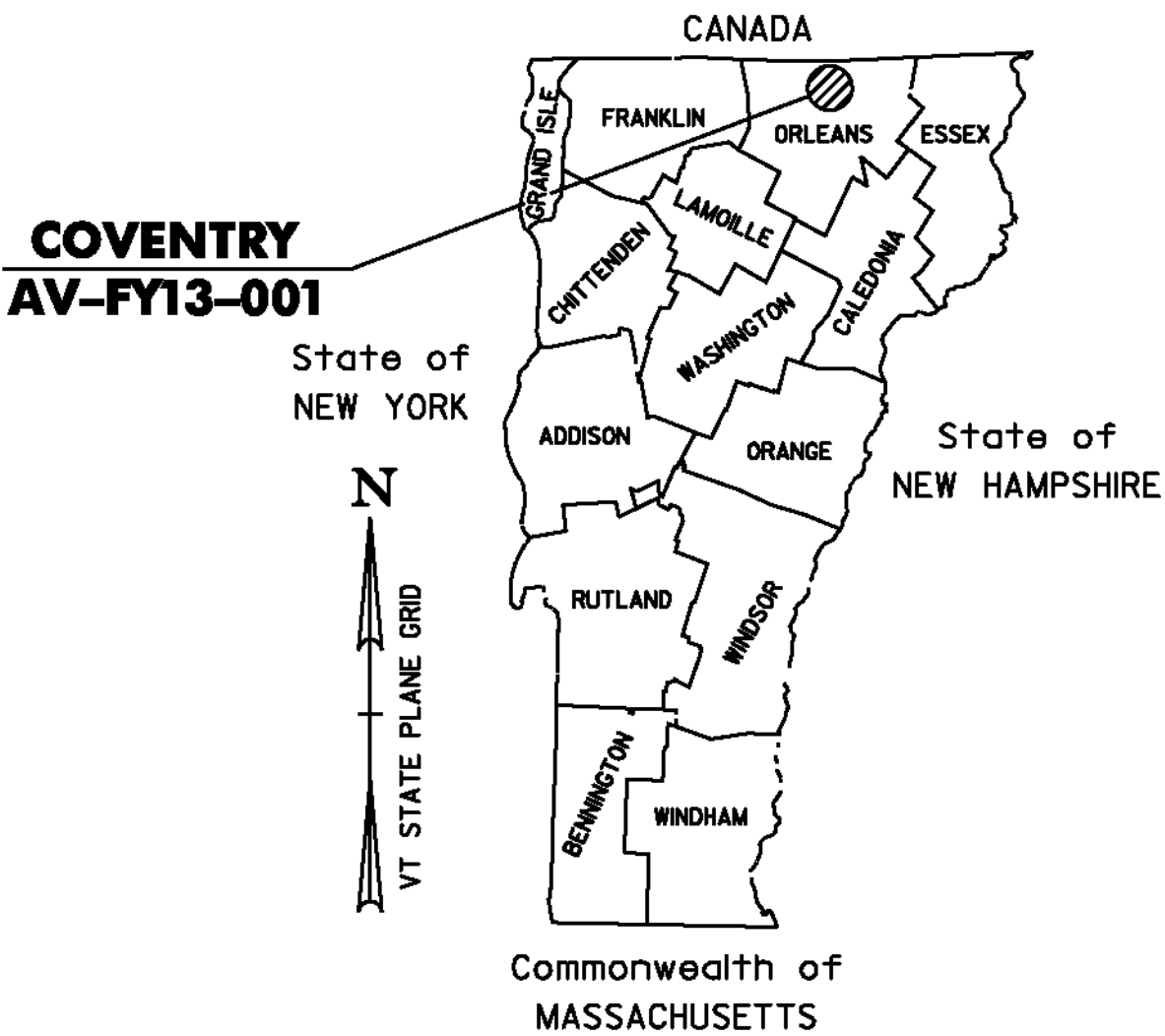


PROPOSED IMPROVEMENT
TOWN OF COVENTRY
COUNTY OF ORLEANS
NEWPORT STATE AIRPORT

THIS PROJECT IS LOCATED AT THE NEWPORT STATE AIRPORT IN COVENTRY, VT.

TOWN OF COVENTRY NEWPORT STATE AIRPORT	LENGTH (FEET)
STA. 0+00.00 TO 40+00.00	4,000.00
TOTAL LENGTH OF PROJECT:	4,000.00

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING 8" ALONG RUNWAY 5-23'S SHOULDERS, TOPSOIL AND TURF ESTABLISHMENT.



QUALITY ASSURANCE PROGRAM: **LEVEL 3**

CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARDRAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
UTILITY POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY :
SURVEYED DATE :

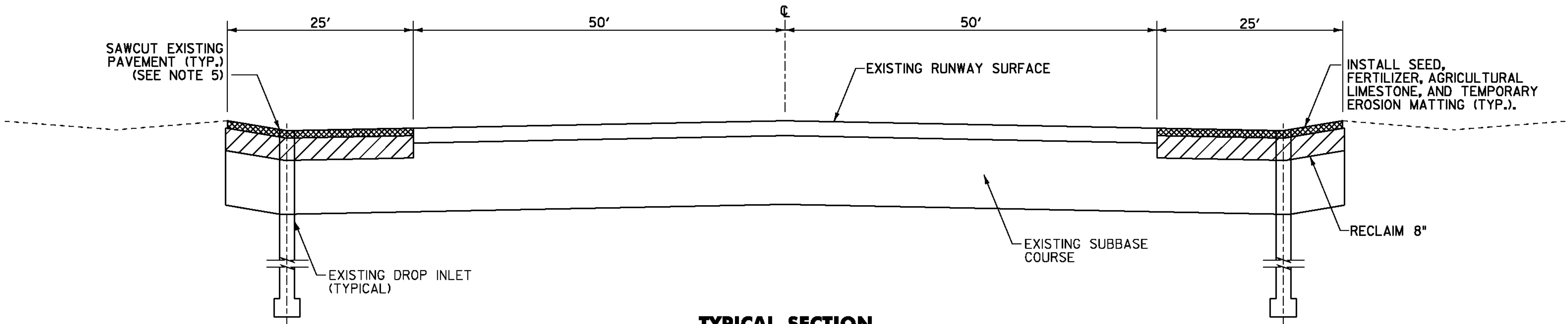
DATUM
VERTICAL
HORIZONTAL



PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : COVENTRY
PROJECT NUMBER: AV-FY13-001

SHEET 104 OF 107 SHEETS



TYPICAL SECTION

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651J5: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651J8: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651J20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651J35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TEMPORARY EROSION MATTING ITEM 653J20: TO BE PLACED ON ALL TOPSOILED AREAS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

PAVEMENT CORE DATA				
CORE#	DIR	DEPTH (IN.)	PCC	COMMENTS
1	NE	5	N	26' FROM SW END, 7.5' FROM EDGE
2	NE	4	N	500' FROM SW END, 12' FROM EDGE
3	NE	3.75	N	1000' FROM SW END, 3.5' FROM EDGE
4	NE	3	N	1500' FROM SW END, 6.5' FROM EDGE
5	NE	3.5	N	2000' FROM SW END, 10.5' FROM EDGE
6	NE	3.5	N	2500' FROM SW END, 1.5' FROM EDGE
7	NE	3.75	N	3388' FROM SW END, 20' FROM EDGE
8	NE	3.5	N	3825' FROM SW END, 9' FROM EDGE
9	SW	5	N	3973' FROM SW END, 10' FROM EDGE
10	SW	3.5	N	3500' FROM SW END, 3' FROM EDGE
11	SW	2	N	37' FROM NE END, 4' FROM EDGE
12	SW	3	N	500' FROM NE END, 11' FROM EDGE
13	SW	3.5	N	1000' FROM NE END, 12' FROM EDGE
14	SW	4	N	1500' FROM NE END, 3' FROM EDGE
15	SW	3.5	N	2000' FROM NE END, 8' FROM EDGE
16	SW	4	N	2500' FROM NE END, 12' FROM EDGE

OPERATIONAL NOTES:

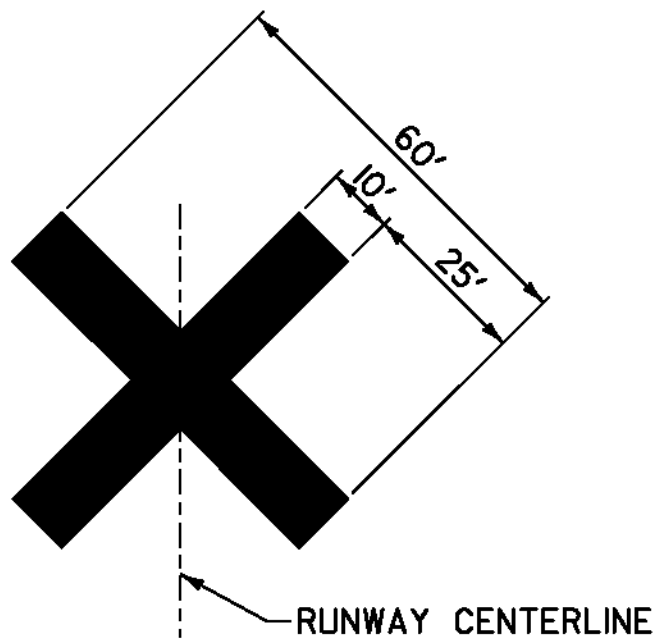
1. THE CONTRACTOR SHALL ADHERE TO THE APPROVED FAA CONSTRUCTION SAFETY AND PHASING PLAN AS PROVIDED BY VTRANS.

PHASING AND SCHEDULING:

1. THE CONTRACTOR SHALL DEVELOP AND SUBMIT A CONSTRUCTION SCHEDULE TO VTRANS AND THE NEWPORT STATE AIRPORT MANAGER. THE CONTRACTOR SHALL ALLOW SEVEN CALENDER DAYS FOR REVIEW. NO WORK SHALL BEGIN UNTIL THIS REVIEW AND SUBSEQUENT APPROVAL ARE COMPLETE.
2. AS THE ENTIRE RUNWAY WILL BE CLOSED FOR THE PROJECT DURATION, BOTH AREAS ① AND ② CAN BE WORKED ON CONCURRENTLY AND REOPENED ONCE BOTH AREAS HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.

GENERAL NOTES:

1. THE EXISTING 25' SHOULDERS WILL BE RECLAIMED 8" PAID AS ITEM 310.20 RECLAIMED STABILIZED BASE.
2. THE REQUIRED WORK ASSOCIATED WITH THE RECLAIMED STABILIZED BASE SHALL BE CONSTRUCTED IN A MANNER TO ENSURE THAT THERE IS NO VERTICAL LIP BETWEEN THE EXISTING EDGE OF RUNWAY AND THE SURFACE OF THE CONSTRUCTION AREA.
3. ALL AREAS WHERE SHOULDERS ARE RECLAIMED SHALL BE TREATED WITH SEED, FERTILIZER AND LIMESTONE PER THE SEEDING FORMULA ON THIS SHEET. TEMPORARY EROSION MATTING SHALL BE PLACED OVER ALL SEEDED AREAS AND PAID AS ITEM 653.20.
4. AT THE COMPLETION OF THE PROJECT THE STAGING AREA SHALL BE RESTORED WITH SEED, FERTILIZER, LIMESTONE AND TEMPORARY EROSION MATTING TO THE SATISFACTION OF THE AVIATION PROJECT MANAGER.
5. ANY NECESSARY SAWCUTTING AND JACK HAMMERING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 310.20 RECLAIMED STABILIZED BASE.



NOTE: RUNWAY CLOSURE MARKERS WILL BE PROVIDED, INSTALLED, AND REMOVED BY THE AIRPORT.

RUNWAY CLOSURE MARKER DETAIL

NOT TO SCALE

PROJECT
TYPICAL
SHEET



PROJECT NAME: COVENTRY
PROJECT NUMBER: AV-FY13-001

FILE NAME: p12h028.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p12h028pts01.i

PLOT DATE: 18-MAY-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 105 OF 107

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

[illegible]

