KNOX COUNTY, TENNESSEE
DEPARTMENT OF ENGINEERING
AND PUBLIC WORKS
PROPOSED INTERSECTION IMPROVEMENT
DANTE ROAD AND GREER ROAD

RIGHT OF WAY PLANS

INDEX OF SHEETS

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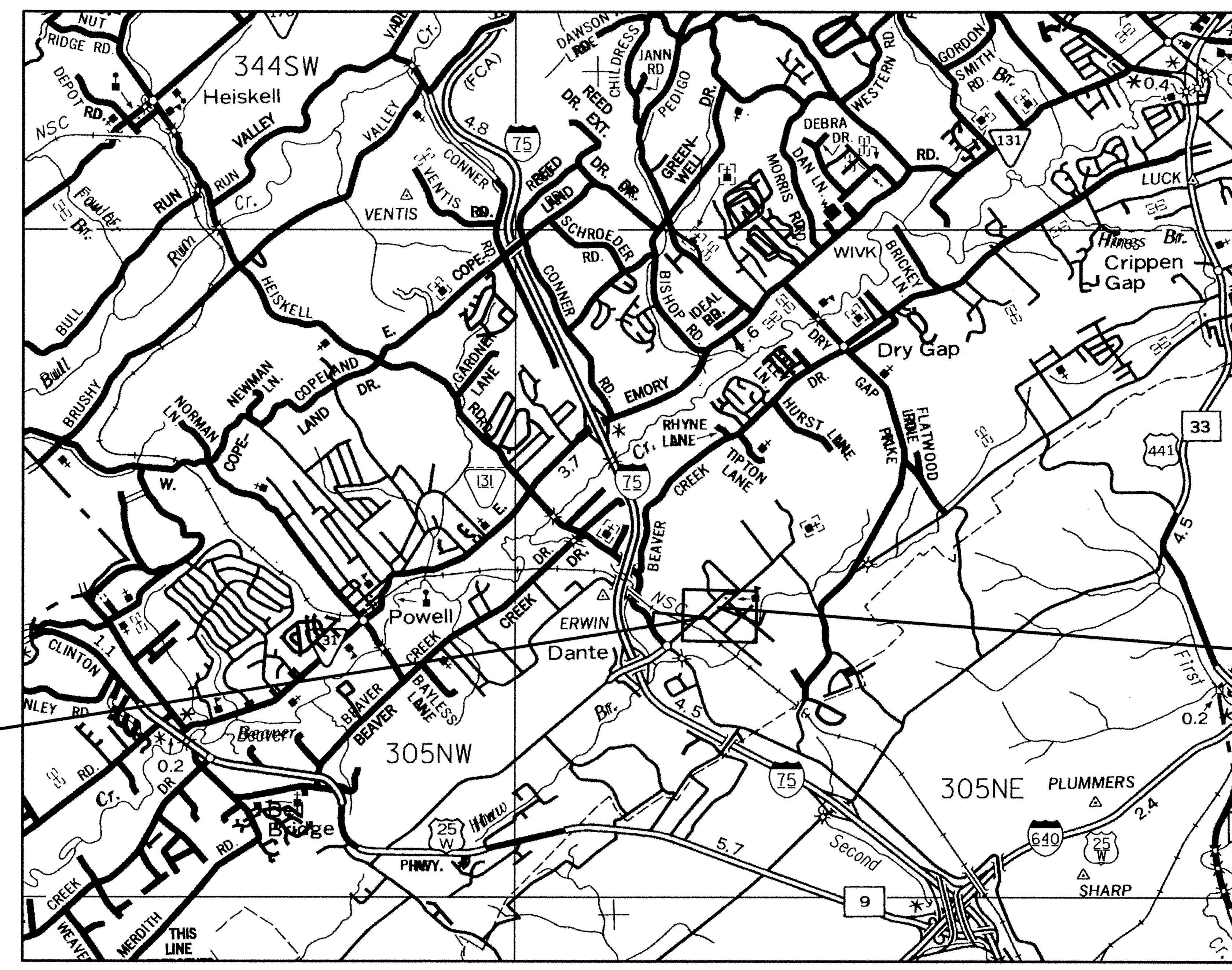
BEGIN PROJECT
STA. 11+00.56



LOCATION MAP

END PROJECT
STA. 13+26.54

COMMISSIONERS

DISTRICT/SEAT	NAME	DISTRICT/SEAT	NAME
1ST	SAM MCKENZIE	7TH	R. LARRY SMITH
2ND	AMY BROYLES	8TH	DAVE WRIGHT
3RD	TONY NORMAN	9TH	MIKE BROWN
4TH	JEFF OWNBY	10TH	MIKE HAMMOND
5TH	RICHARD BRIGGS	11TH	ED SHOUSE
6TH	BRAD ANDERS		

APPROVED BY:

TIM BURCHETT, KNOX COUNTY MAYOR

APPROVED BY:

DWIGHT VAN DE VATE, KNOX COUNTY ENGINEERING AND PUBLIC WORKS

ROBERT G. CAMPBELL & ASSOCIATES , L.P.
CONSULTING ENGINEERS

KNOXVILLE, TENNESSEE

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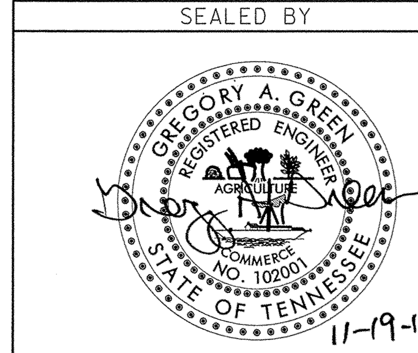

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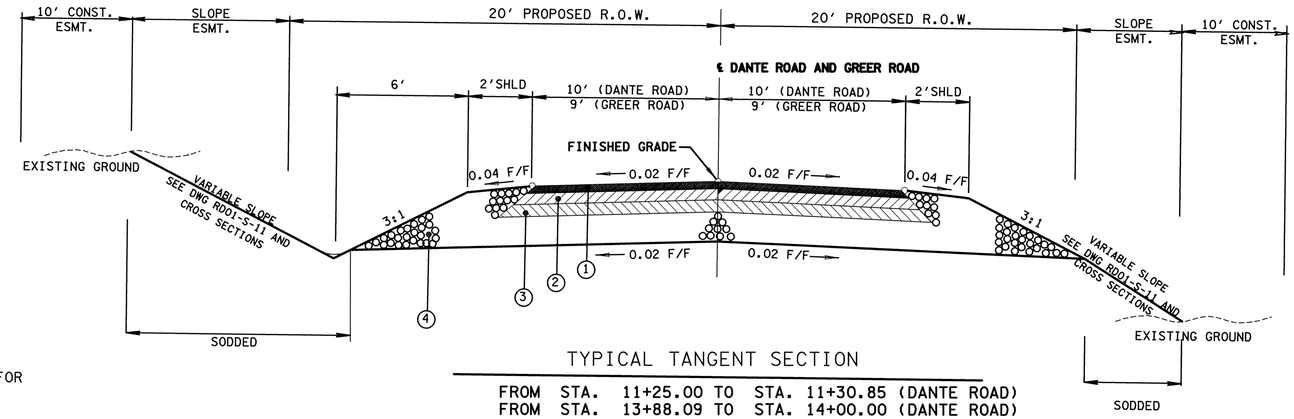
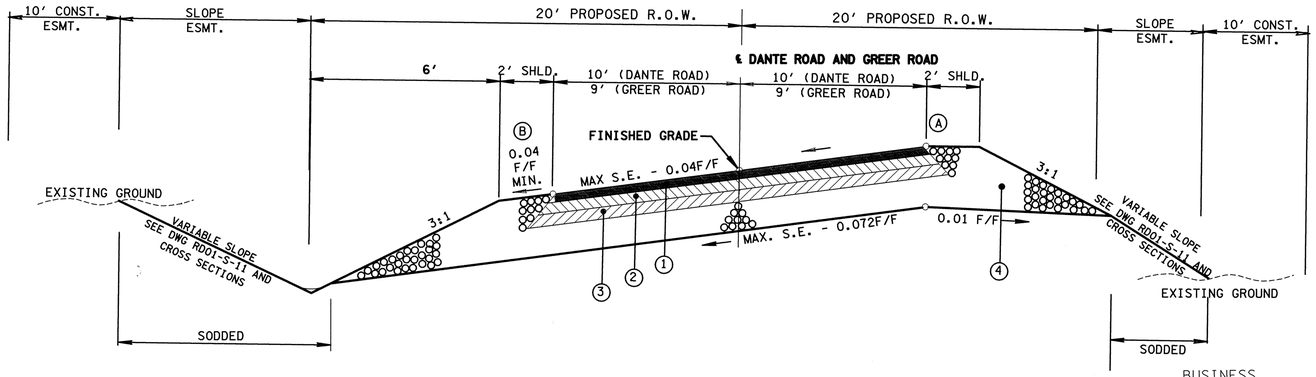


TYPICAL TANGENT SECTION

FROM STA. 11+25.00 TO STA. 11+30.85 (DANTE ROAD)
FROM STA. 13+88.09 TO STA. 14+00.00 (DANTE ROAD)

SEE STANDARD DRAWING RD01-TS-1 FOR DETAILS NOT SHOWN.

(A) THE SLOPES OF SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7.000%
(B) INSIDE SHOULDER CROSS SLOPE TO MATCH SUPERELEVATION WHEN SUPER ELEVATION EXCEEDS 0.04 F/F



TYPICAL SUPERELEVATED SECTION

FROM STA. 11+30.85 TO STA. 13+88.09 (DANTE ROAD)
FROM STA. 20+00.00 TO STA. 20+75.00 (GREER ROAD)

PROPOSED PAVEMENT SCHEDULE

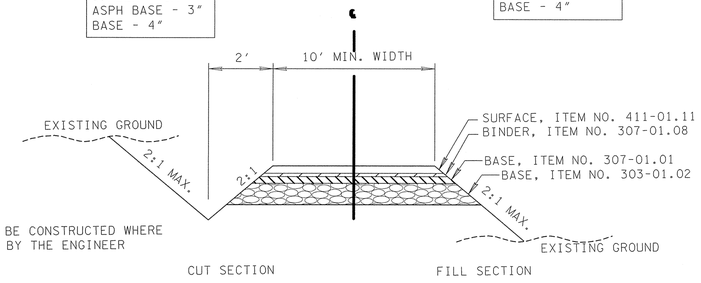
① BITUMINOUS SURFACING (ROADWAY) @ 1¼" THICK (APPROX. 132.5 LBS./S.Y.) 411-01.10 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "D" 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.02 GAL/S.Y.)	③ BITUMINOUS AGGREGATE BASE (ROADWAY) @ 3" THICK (APPROX. 345LBS./S.Y.) 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A" 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.35 GAL/S.Y.)
② BITUMINOUS BINDER (ROADWAY) @ 2" THICK (APPROX. 226 LBS./S.Y.) 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "B-M2" 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.02 GAL/S.Y.)	④ MINERAL AGGREGATE BASE (ROADWAY) @ 8" THICK AND FULL DEPTH (SHOULDERS) 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"

BUSINESS

SURFACE - 1¼"
BINDER - 1¾"
ASPH BASE - 3"
BASE - 4"

FIELD OR RESIDENTIAL

SURFACE - 1½"
BINDER - NONE
BASE - 4"



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS, FIELD, OR RESIDENTIAL PROPERTY

SEALED BY

GREGORY A. GREEN REGISTERED ENGINEER AGRICULTURE & ENVIRONMENTAL LICENSE NO. 102001 STATE OF TENNESSEE
11-19-12

NO.	DATE	DESCRIPTION	BY	CKD.

REVISIONS

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

PROPOSED INTERSECTION IMPROVEMENTS
DANTE ROAD AND GREER ROAD

TYPICAL SECTION AND PAVEMENT SCHEDULE

DESIGNED BY	CHECKED BY	SCALE	SHEET NO.
GG	RGC	N.T.S.	2
DRAWN BY	DATE	FILE NO.	OF SHEETS
GG	NOV., 2012	12037	

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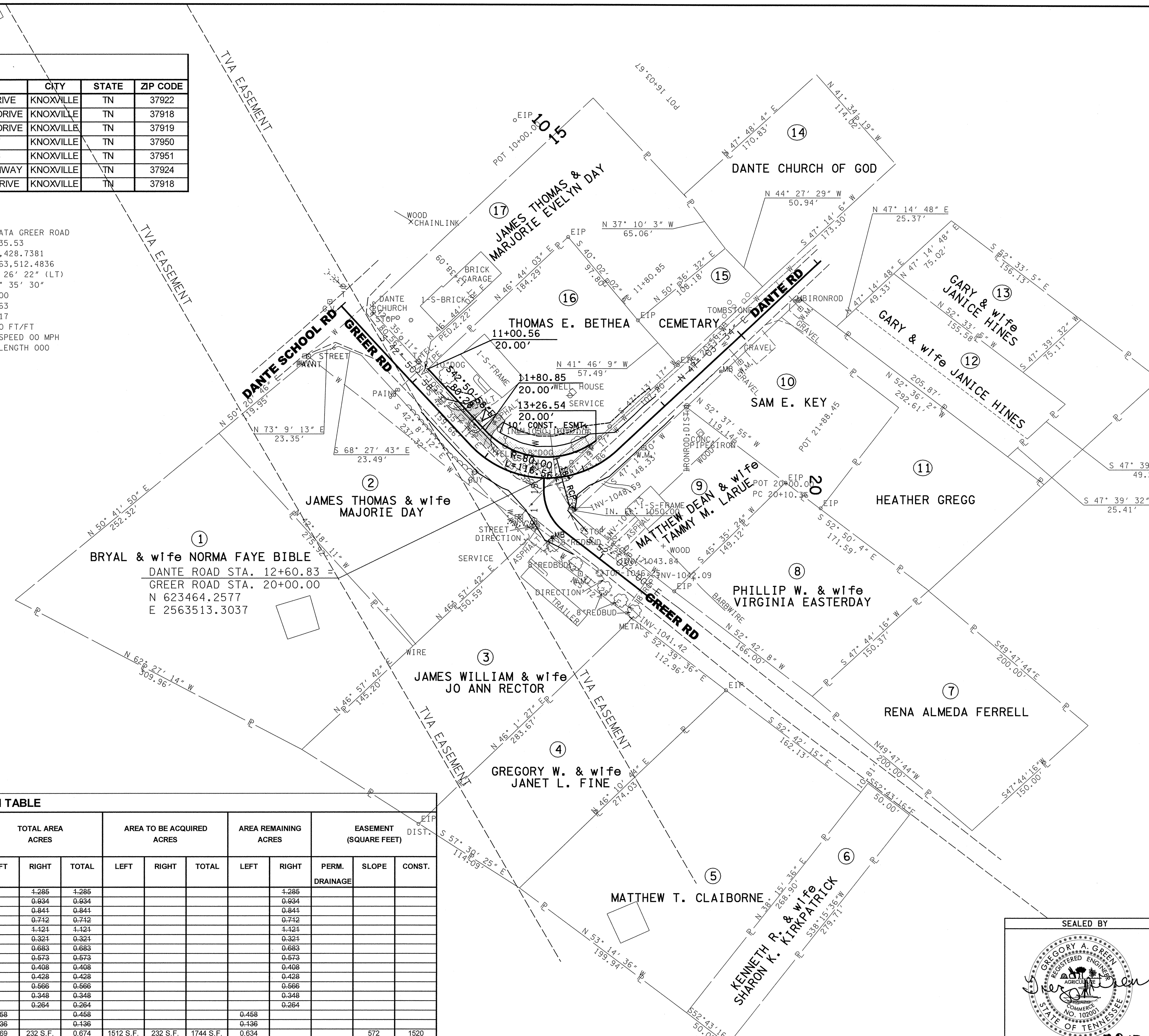
UTILITY OWNERS

UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE	BELL SOUTH	865-539-2493	DON WHETHAM	9733 PARKSIDE DRIVE	KNOXVILLE	TN	37922
WATER	HALLSDALE POWELL UTILITY DISTRICT	865-922-7547	DARREN CARDWELL	3745 CUNNINGHAM DRIVE	KNOXVILLE	TN	37918
SEWAGE	HALLSDALE POWELL UTILITY DISTRICT	865-922-7548	DARREN CARDWELL	3746 CUNNINGHAM DRIVE	KNOXVILLE	TN	37919
GAS	KNOXVILLE UTILITY BOARD	865-558-2740	GABRIEL BOLAS	P.O. BOX 59017	KNOXVILLE	TN	37950
POWER	KNOXVILLE UTILITY BOARD	865-558-2741	GABRIEL BOLAS	P.O. BOX 59018	KNOXVILLE	TN	37951
CABLE TV	COMCAST COMMUNICATIONS	865-862-5060	ARCHIE BAKER	5720 ASHVILLE HIGHWAY	KNOXVILLE	TN	37924
POWER	TENNESSEE VALLEY AUTHORITY	865-673-2202	CARTER GIBSON	4125 GREENWAY DRIVE	KNOXVILLE	TN	37918

CURVE DATA DANT ROAD
PI 12+81.01
N 623,422.7924
E 2,563,510.4136
Δ 90° 05′ 29″ (LT)
D 57° 17′ 45″
R 100.00
L 157.24
T 100.16
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000

CURVE DATA GREER ROAD
PI 20+35.53
N 623,428.7381
E 2,563,512.4836
Δ 53° 26′ 22″ (LT)
D 114° 35′ 30″
R 50.00
L 46.63
T 25.17
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000



R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	PAGE	TOTAL AREA ACRES LEFT	RIGHT	TOTAL	AREA TO BE ACQUIRED ACRES LEFT	RIGHT	TOTAL	AREA REMAINING ACRES LEFT	RIGHT	EASEMENT (SQUARE FEET) PERM. DRAINAGE	SLOPE	CONST.
~~1~~	~~BRYAL & wife NORMA FAYE BIBLE~~	~~057N/A~~	~~001~~	~~2023~~	~~906~~		~~1.285~~	~~1.285~~					~~1.285~~			
~~2~~	~~JAMES THOMAS & wife MAJORIE DAY~~	~~057N/A~~	~~002~~	~~1331~~	~~920~~		~~0.934~~	~~0.934~~					~~0.934~~			
~~3~~	~~JAMES WILLIAM & wife JO ANN RECTOR~~	~~057N/A~~	~~003.01~~	~~2218~~	4		~~0.841~~	~~0.841~~					~~0.841~~			
~~4~~	~~GREGORY W. & wife JANET L. FINE~~	~~057N/A~~	~~003~~	~~20050321~~	~~0073873~~		~~0.712~~	~~0.712~~					~~0.712~~			
~~5~~	~~MATTHEW T. CLAIBORNE~~	~~057N/A~~	~~003.02~~	~~20091007~~	~~0025302~~		~~1.121~~	~~1.121~~					~~1.121~~			
~~6~~	~~KENNETH R. & wife SHARON K. KIRKPATRICK~~	~~057N/A~~	~~004~~	~~20060307~~	~~0074735~~		~~0.321~~	~~0.321~~					~~0.321~~			
~~7~~	~~RENA ALMEDA FERRELL~~	~~057K/C~~	~~014~~	~~1530~~	~~144~~		~~0.683~~	~~0.683~~					~~0.683~~			
~~8~~	~~PHILLIP W. & wife VIRGINIA EASTERDAY~~	~~057K/C~~	~~015~~	~~2235~~	~~1116~~		~~0.573~~	~~0.573~~					~~0.573~~			
~~9~~	~~MATTHEW DEAN & wife TAMMY M. LARUE~~	~~057K/C~~	~~016~~	~~2142~~	~~550~~		~~0.408~~	~~0.408~~					~~0.408~~			
~~10~~	~~SAM E. KEY~~	~~057K/C~~	~~017.01~~	~~20000606~~	~~0038063~~		~~0.428~~	~~0.428~~					~~0.428~~			
~~11~~	~~HEATHER GREGG~~	~~057K/C~~	~~017~~	~~20110802~~	~~0005956~~		~~0.566~~	~~0.566~~					~~0.566~~			
~~12~~	~~GARY & wife JANICE HINES~~	~~057K/C~~	~~018.01~~	~~20030508~~	~~0102241~~		~~0.348~~	~~0.348~~					~~0.348~~			
~~13~~	~~GARY & wife JANICE HINES~~	~~057K/C~~	~~018~~	~~20030508~~	~~0102241~~		~~0.264~~	~~0.264~~					~~0.264~~			
~~14~~	~~DANTE CHURCH OF GOD~~	~~057K/D~~	~~005~~	~~20091112~~	~~0033242~~	~~0.458~~		~~0.458~~				~~0.458~~				
~~15~~	~~CEMETARY~~	~~057K/D~~	~~007~~			~~0.136~~		~~0.136~~				~~0.136~~				
16	THOMAS E. BETHEA	057K/D	008	20090902	0017223	0.669	232 S.F.	0.674	1512 S.F.	232 S.F.	1744 S.F.	0.634			572	1520
~~17~~	~~JAMES THOMAS & MARJORIE EVELYN DAY~~	~~057K/D~~	~~009~~	~~1179~~	~~385~~	~~0.816~~		~~0.816~~				~~0.816~~				

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NO.	DATE	DESCRIPTION	BY	CKD.
1	2-8-13	REVISED SLOPE LIMITS LEFT OF STA. 11+25 TO 13+25	GG	RGC

REVISIONS

RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

PROPOSED INTERSECTION IMPROVEMENTS
DANTE ROAD AND GREER ROAD

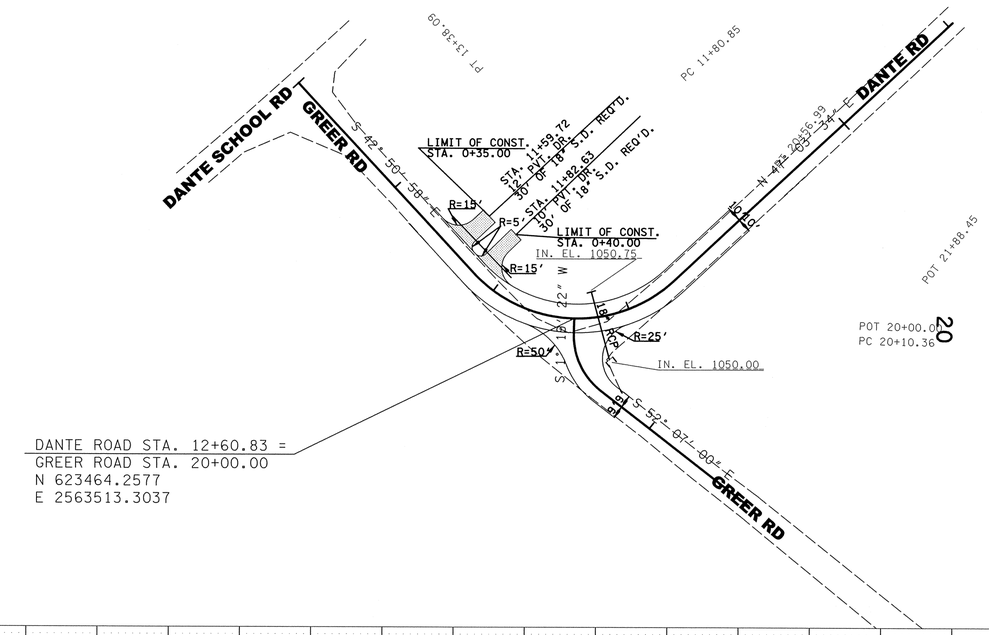
PRESENT LAYOUT

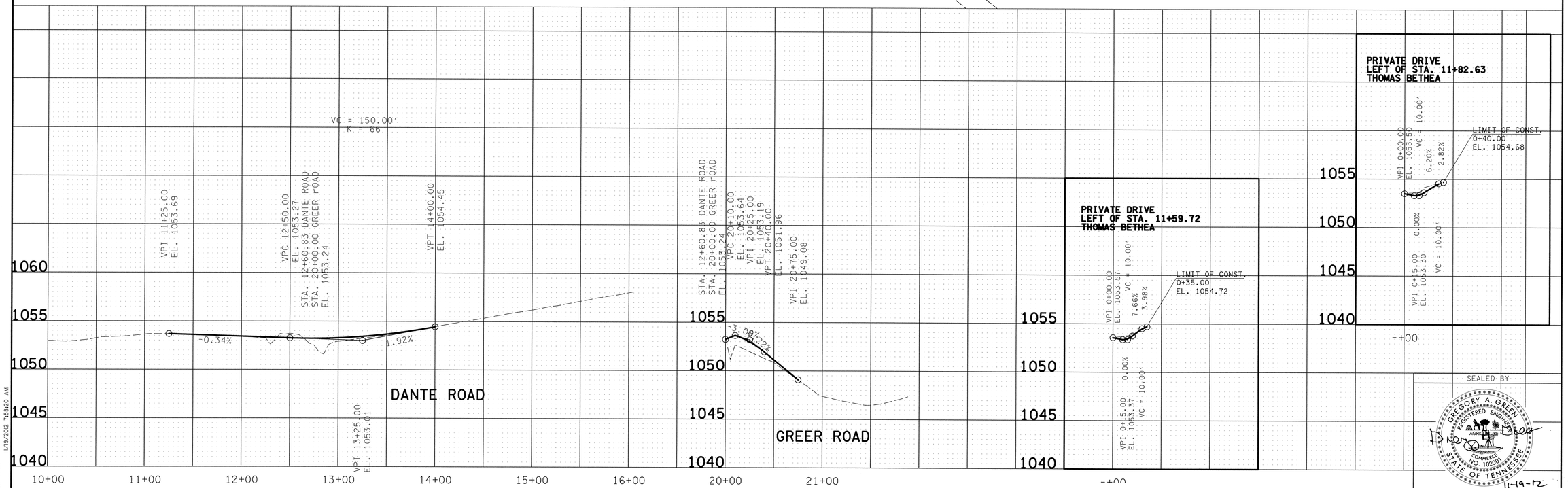
SEALED BY
GREGORY A. GREEN REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 102001 STATE OF TENNESSEE
2-8-13

DESIGNED BY	CHECKED BY	SCALE	SHEET
GG	RGC	1"=50'	NO. 3
DRAWN BY	DATE	FILE NO.	OF SHEETS
GG	NOV. 2012	12037	

CURVE DATA DANT ROAD
PI 12+81.01
N 623,422.7924
E 2,563,510.4136
Δ 90° 05′ 29″ (LT)
D 57° 17′ 45″
R 100.00
L 157.24
T 100.16
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000

CURVE DATA GREER ROAD
PI 20+35.53
N 623,428.7381
E 2,563,512.4836
Δ 53° 26′ 22″ (LT)
D 114° 35′ 30″
R 50.00
L 46.63
T 25.17
SE 0.000 FT/FT
DESIGN SPEED 00 MPH
TRANS. LENGTH 000





SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

11-19-12

NO.	DATE	DESCRIPTION	BY	CKD.
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REVISIONS

RGC&A

ROBERT G. CAMPBELL & ASSOC., L.P.
CONSULTING ENGINEERS
KNOXVILLE, TENNESSEE

PROPOSED INTERSECTION IMPROVEMENTS
DANTE ROAD AND GREER ROAD

PROPOSED LAYOUT
AND PROFILE

DESIGNED BY	CHECKED BY	SCALE	SHEET
GG	RGC	1"=50 HORZ. 1"=5' VERT.	NO. 4
DRAWN BY	DATE	FILE NO.	
GG	NOV. 2012	12037	OF ..... SHEETS

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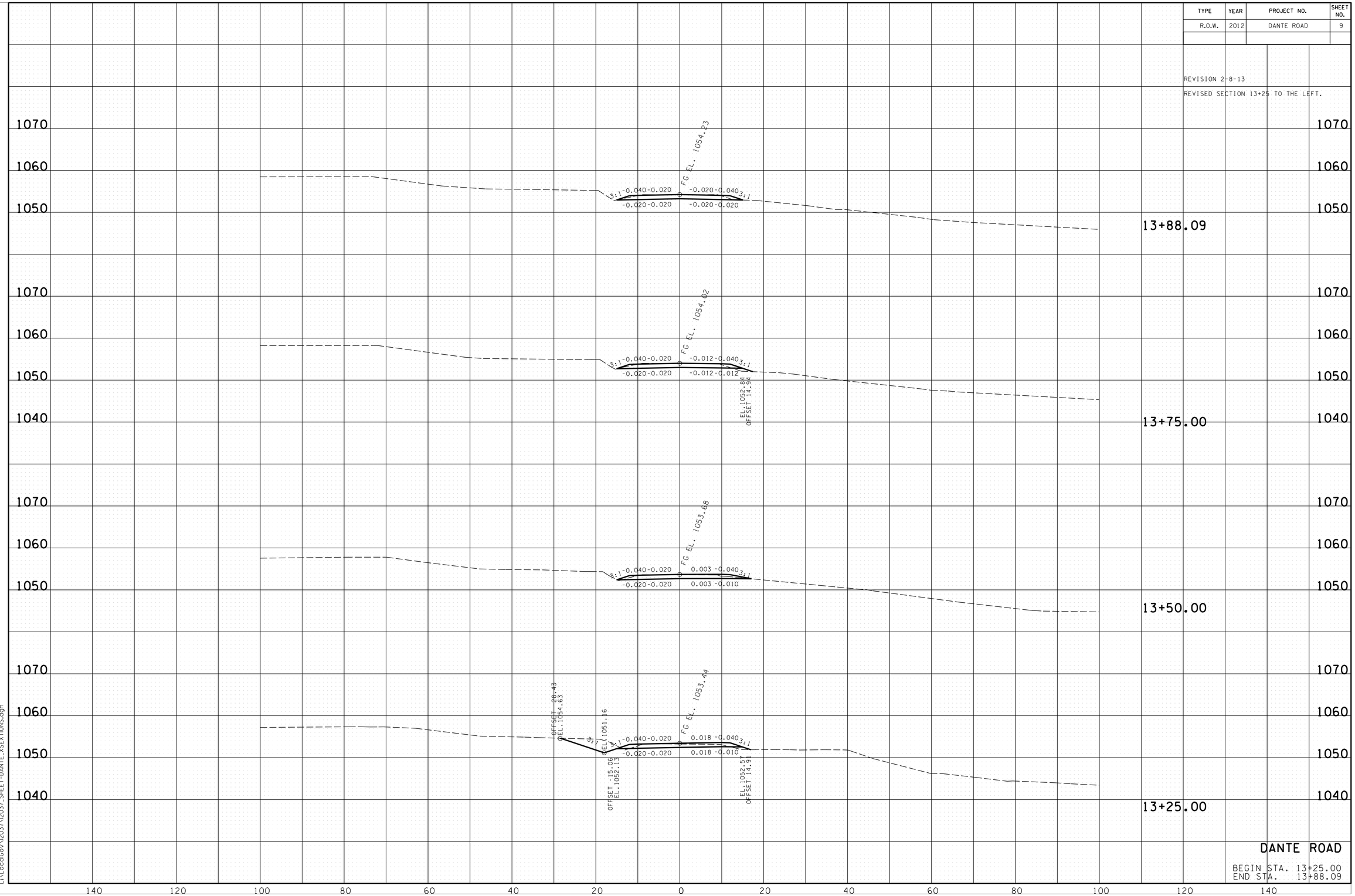
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	DANTE ROAD	9

REVISION 2-8-13

REVISED SECTION 13+25 TO THE LEFT.



DANTE ROAD

BEGIN STA. 13+25.00
END STA. 13+88.09

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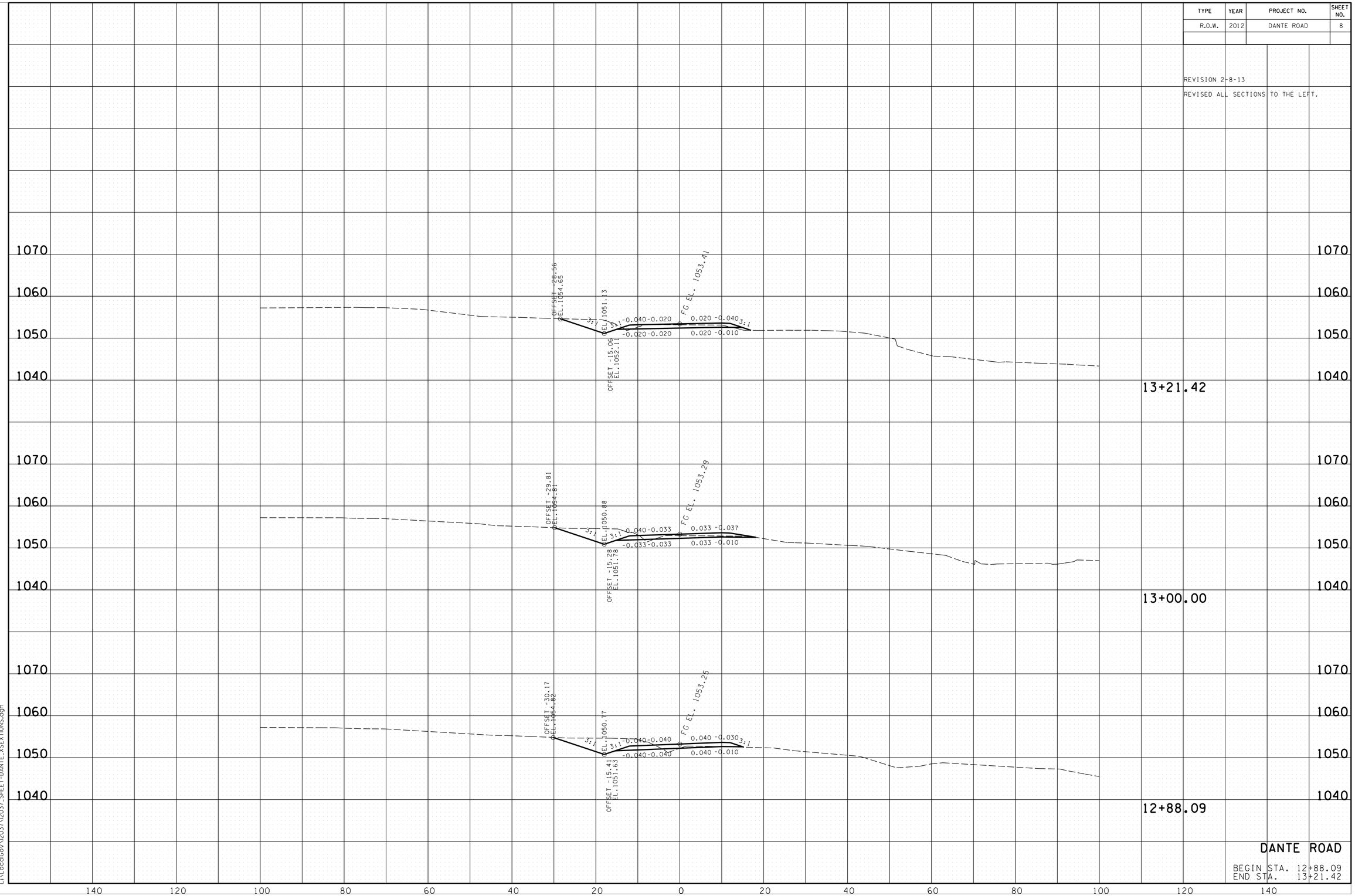
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	DANTE ROAD	8

REVISION 2-8-13

REVISED ALL SECTIONS TO THE LEFT.



DANTE ROAD

BEGIN STA. 12+88.09
END STA. 13+21.42

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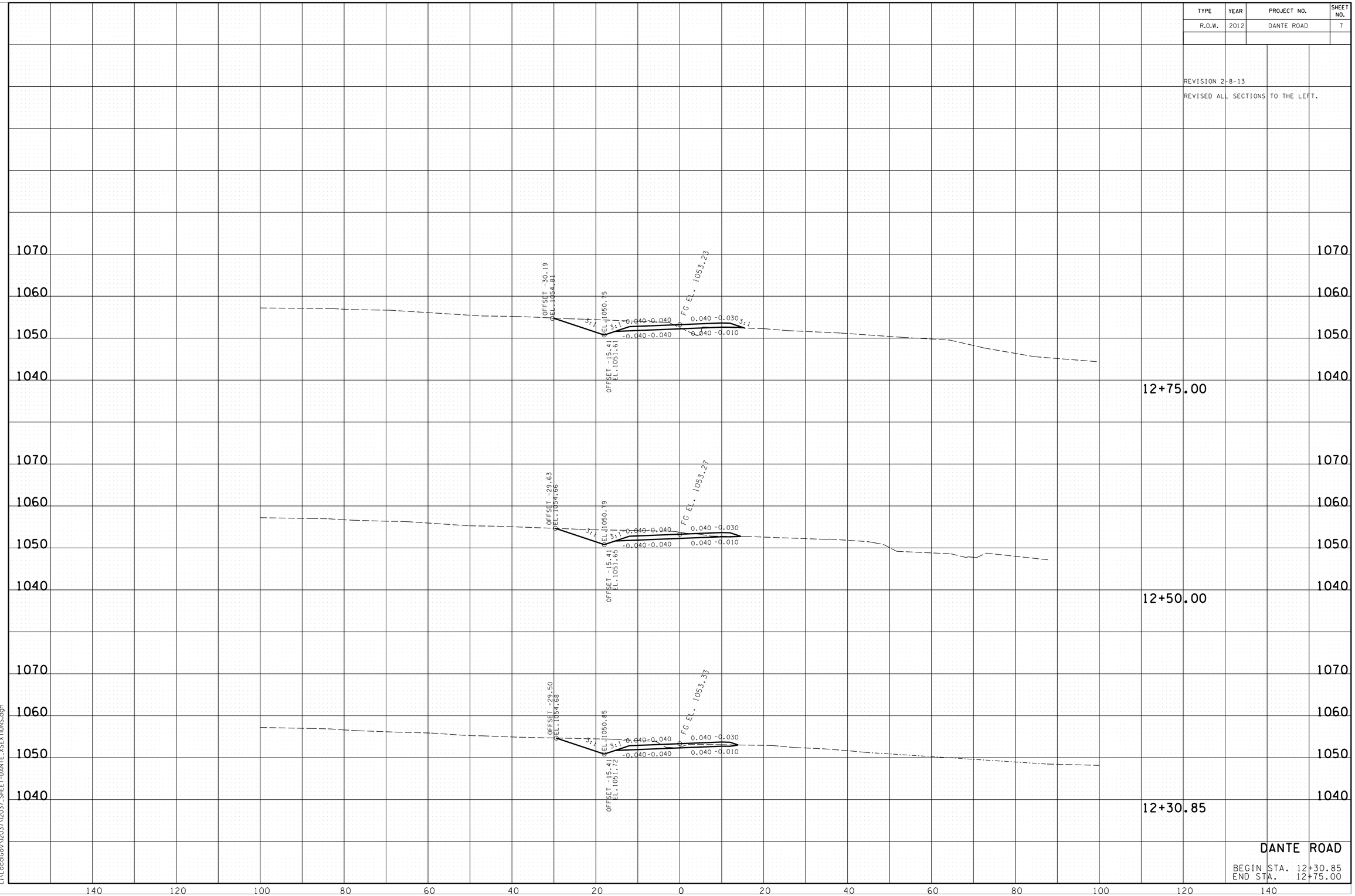
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	DANTE ROAD	7

REVISION 2-8-13

REVISED ALL SECTIONS TO THE LEFT.



DANTE ROAD

BEGIN STA. 12+30.85
END STA. 12+75.00

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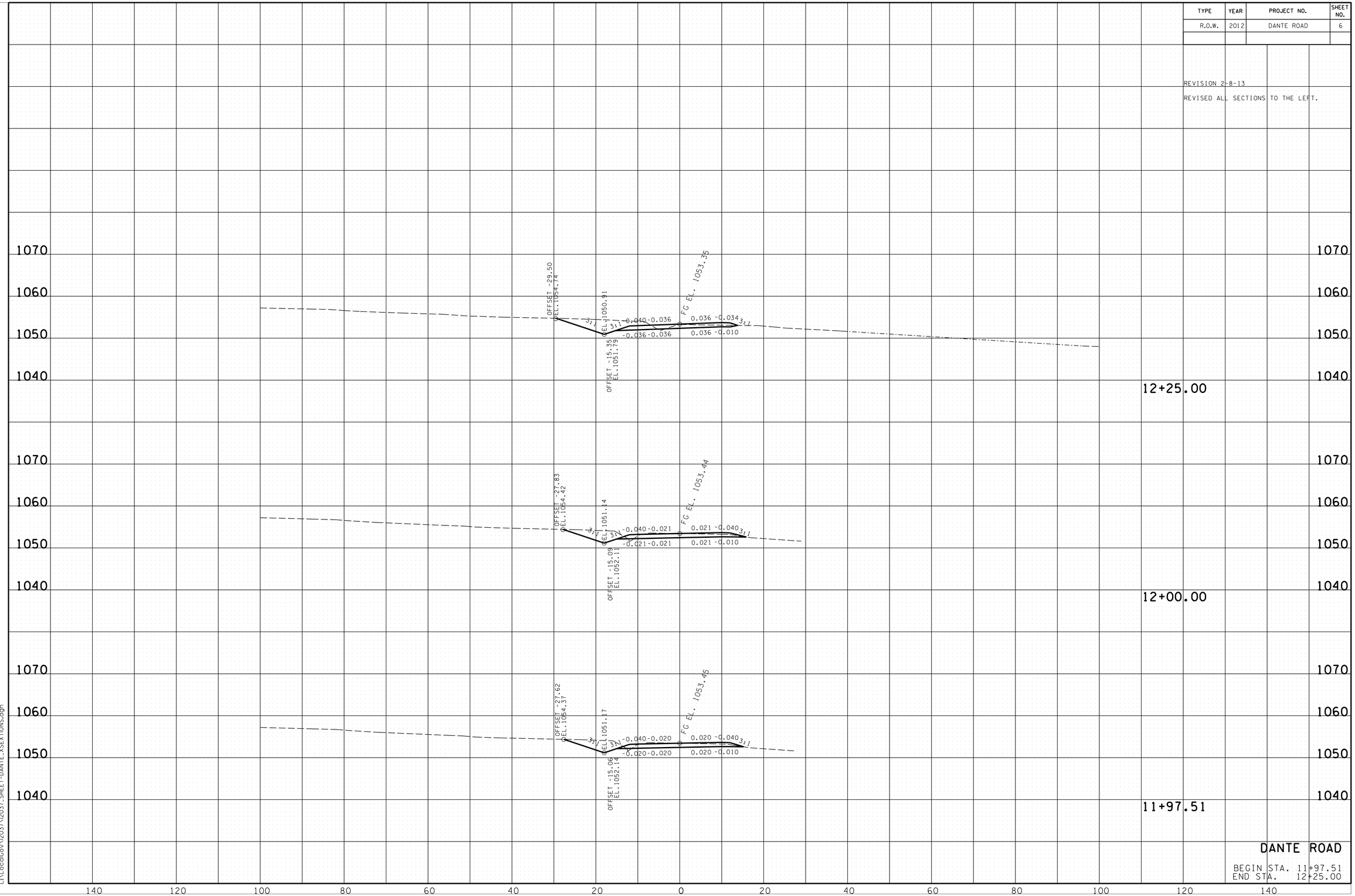
R.O.W.	2012	DANTE ROAD	6

REVISION 2-8-13

REVISED ALL SECTIONS TO THE LEFT.



DANTE ROAD

BEGIN STA. 11+97.51
END STA. 12+25.00

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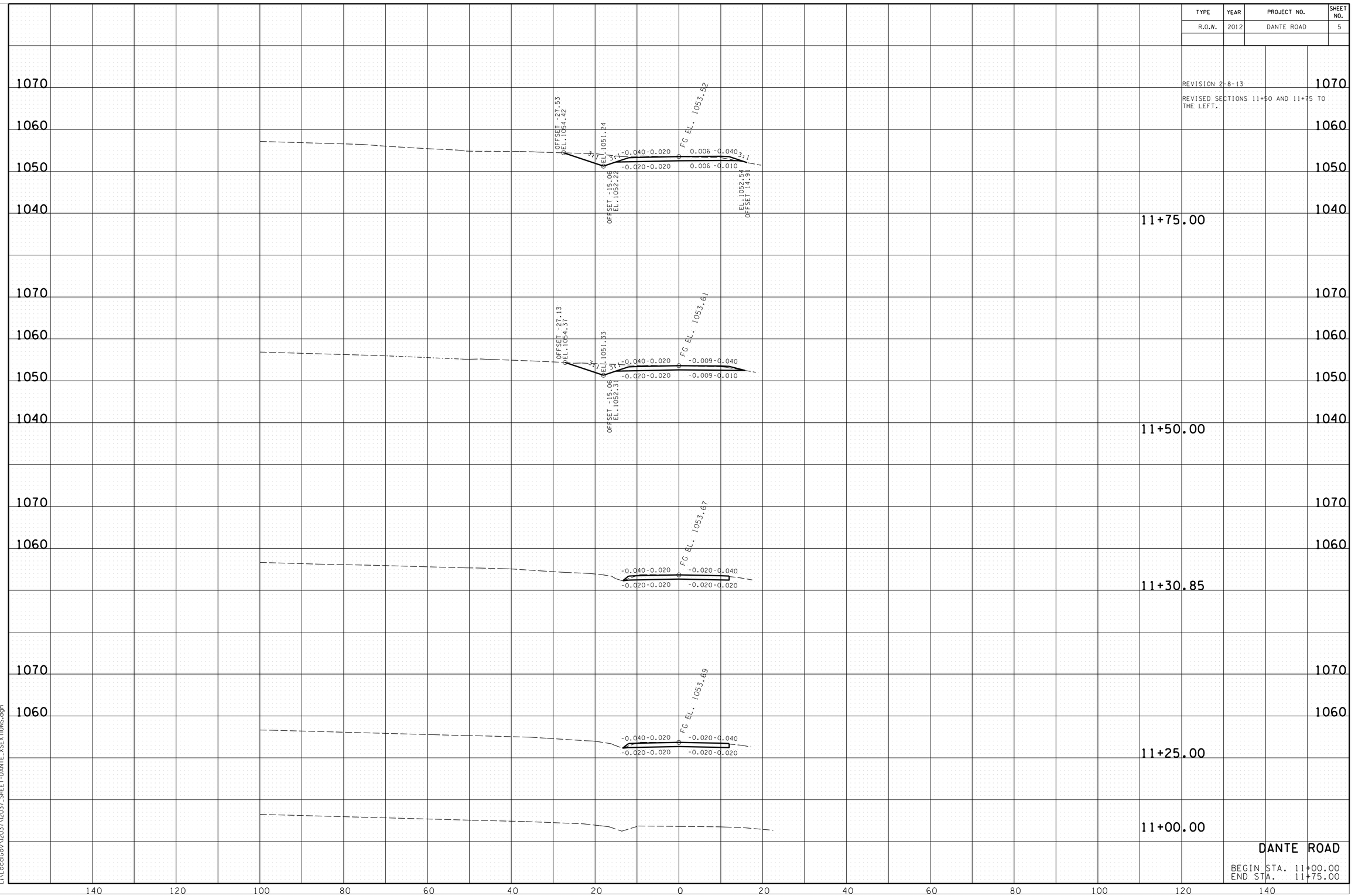
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	DANTE ROAD	5

REVISION 2-8-13

REVISED SECTIONS 11+50 AND 11+75 TO THE LEFT.



DANTE ROAD

BEGIN STA. 11+00.00
END STA. 11+75.00

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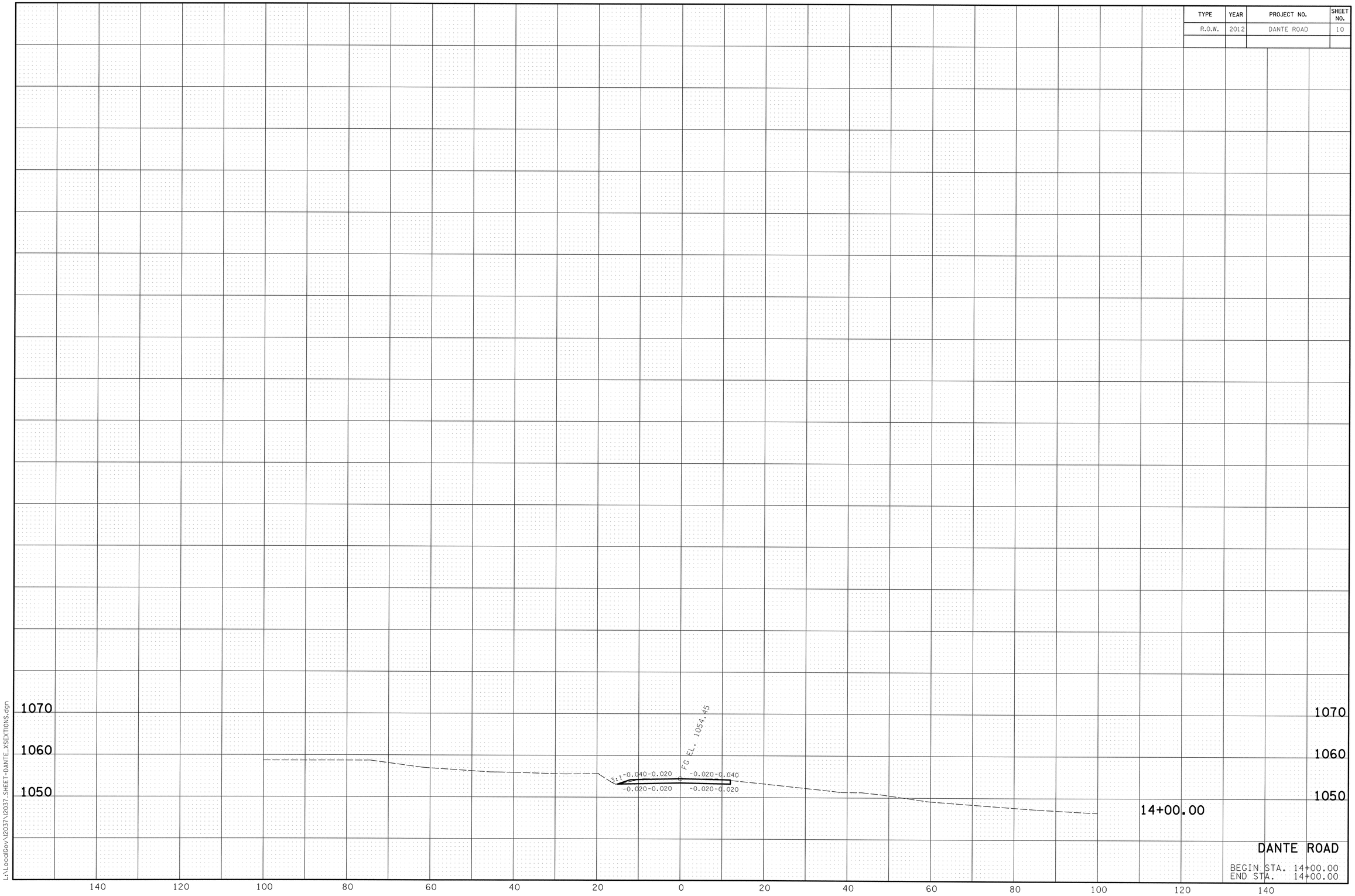
R.O.W.	2012	DANTE ROAD	10



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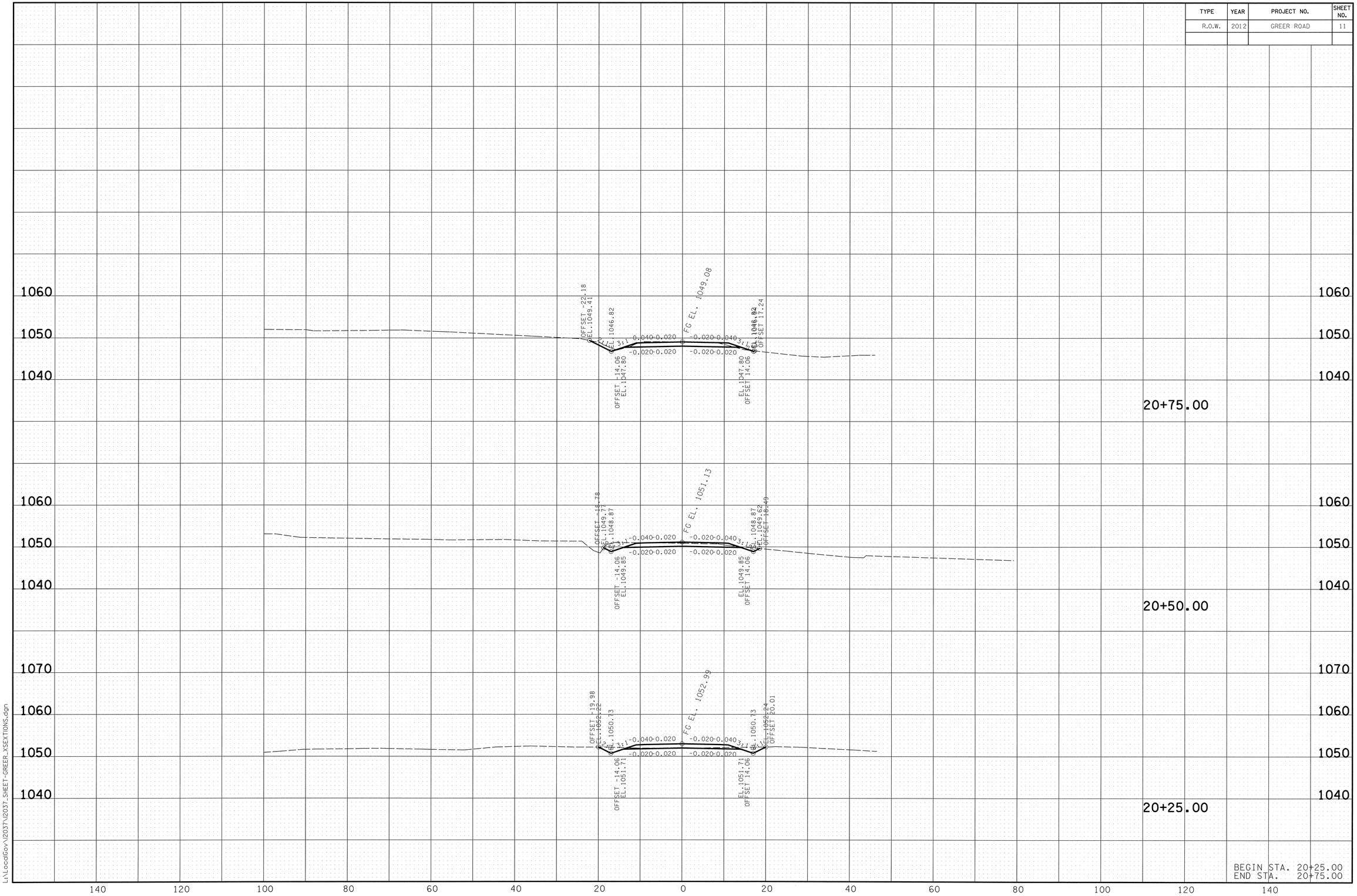
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	GREER ROAD	11



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