



**CENTERLINE CURVE #10**  
 Included angle = 09-36-22  
 Radius = 430.000m  
 Tangent length = 37.811m  
 Arc length = 73.445m  
 Chord length = 75.357m  
 External secant = 1.596m  
 Mid ordinate = 1.580m  
 Bank = 0.051

**CURVE #1**  
 Included angle = 39-57-20  
 Radius = 20.000m  
 Tangent length = 7.074m  
 Arc length = 13.599m  
 Chord length = 13.555m  
 External secant = 1.214m  
 Mid ordinate = 1.145m

**CENTERLINE CURVE #11**  
 Included angle = 03-27-33  
 Radius = 2000.000m  
 Tangent length = 60.401m  
 Arc length = 120.764m  
 Chord length = 120.746m  
 External secant = 0.912m  
 Mid ordinate = 0.911m  
 Bank = N.C.

**CENTERLINE CURVE #12**  
 Included angle = 22-18-34  
 Radius = 415.000m  
 Tangent length = 81.832m  
 Arc length = 161.590m  
 Chord length = 160.571m  
 External secant = 7.991m  
 Mid ordinate = 7.940m  
 Bank = 0.041

- NOTE:
- 1) ALL SIGNS TO BE SET ARE NEW. ALL EXISTING SIGNS ARE TO BE REMOVED AND SALVAGED TO THE TOWN OF ROCKINGHAM.
  - 2) ALL SIGNS AND PLACEMENT SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
  - 3) ALL DOUBLE YELLOW CENTERLINES AND STOP BARS SHALL BE DURABLE PAVEMENT MARKINGS. WHITE EDGE LINES SHALL BE PAINT PAVEMENT MARKINGS.
  - 4) MATCH WIDTH OF EXISTING DRIVEWAYS AT LIMITS OF PROPOSED DRIVEWAY.

DATUM  
 VERTICAL NGVD, 1929  
 HORIZONTAL NAD 1927

Y: /1261 /CADD /PLANS /MARKS -02.DWG



GRAPHIC SCALE  
 ( IN METERS )  
 1 : 500

THE LOUIS BERGER GROUP, INC.

SIGNING, PAVEMENT MARKING, AND ALIGNMENT PLAN	
PROJECT:	PROJECT NO.:
GRAFTON-ROCKINGHAM, ROUTE 121	SIP 0128(4)S
DESIGN FILE NAME:	PLAT DATE:
IPARM FILE NAME:	12/08/03
SURVEYED BY:	SURVEY DATE:
SQUAD LEADER:	DRAWN BY:
	SHEET: 31 OF 116