CHAPTER 10 -GPS SURVEYS & THE STATE PLANE COORDINATE SYSTEM (cont'd.)

SECTION	
10.10	RELATION OF GRID NORTH AND TRUE NORTH
10.11	THE VDOT PROJECT COORDINATE SYSTEM
10.12	AIRBORNE GPS
	Figure 10-A – Antenna Height Measurement Form
	Figure 10-B – Example of Average Observation Session
	Figure 10-C – Site Obstruction Diagram
	Figure 10-D – VDOT Control Monument Standard
	Figure 10-E – VDOT GPS Site Log
	Figure 10-F – LD-200 Control Card
	Figure 10-G – §55-288.1 North and South Zones
	Figure 10-H – §55-292 Defining Coordinate System and Origin
	Figure 10-I – Illustrating Latitude
	Figure 10-J – Illustrating Longitude
	Figure 10-K – Profile View of Two Coordinate Systems of
	Virginia
	Figure 10-L – Illustrating True North & Grid North
	Figure 10-M – §55-290 Defining Metric Conversion
	Figure 10-N– VDOT's Combined Scale and Elevation Factor for
	Counties
	Figure 10-O- VDOT's Combined Scale and Elevation Factor for
	Cities

CHAPTER 11 – SURVEY CADD

Figure 10-P GPS Survey Specifications for Project Monumentation

Please refer to Chapter 2 of the VDOT CADD Manual

<u>CHAPTER 12 – SIGNING AND SEALING OF PROFESSIONAL SURVEY DELIVERABLES</u>

SECT	ION	
12.01	INTRODUCTION	
12.02		BUSINESS & LEGAL PURPOSE FOR SIGNING AND SEALING
		SURVEY PRODUCTS
	12.02.1	DESCRIPTION OF WORK AND GUIDANCE
	12.02.2	MATERIALS NECESSARY TO PROVIDE SERVICES
	12.02.3	APPLICATION OF SURVEY SEAL
12.03		ENGINEERING/TOPOGRAPHIC SURVEYS
	12.03.1	PROFESSIONAL SURVEYING SERVICES &
		RESPONSIBILITIES
		a. LOCATION SURVEYS
		b. PHOTOGRAMMETIC SURVEYS
		c. HYDRAULIC SURVEYS