



STATION DESCRIPTION

- STATION 081:** A 3-1/4" disk in concrete, approximately 2" below the ground surface, stamped "STATION NO. 081". The disk is located in a grass median adjacent to Seaford Elementary School, immediately south of the eastern parking lot, 13.0' north of the edge of the pavement of Route 622 (Seaford Road), 52.0' west of an underground telephone manhole cover.
- REFERENCE MARK NO. 1:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 11.0' north of the edge of the pavement of Route 622 (Seaford Road), 1.5' east of the street sign.
- REFERENCE MARK NO. 2:** A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 13.0' south of the edge of the pavement of Route 622 (Seaford Road), 35.0' east of utility pole #EN-25.
- REFERENCE MARK NO. 3:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located at the southeast corner of the intersection of Routes 622 (Seaford Road) and 1242 (Mastin Lane), 13.5' south of the edge of the pavement of Route 622, 5.0' northeast of utility pole #39.

<b>STA 081</b>	<b>WITNESS POST PLACED</b>	<u>6.0' Northwest</u>
	<b>OF THE STATION</b>	
<b>RM1</b>	<b>WITNESS POST PLACED</b>	<u>2.0' West</u>
	<b>OF THE MARK</b>	
<b>RM2</b>	<b>WITNESS POST PLACED</b>	<u>8.0' South</u>
	<b>OF THE MARK</b>	
<b>RM3</b>	<b>WITNESS POST PLACED</b>	<u>5.0' South</u>
	<b>OF THE MARK</b>	

Station Name: 81

Latitude (dms)	37 11 8.59853
Longitude (dms)	76 26 37.28942
State Plane Zone (4502) Virginia South	
Easting (X) in meters	3682565.829
Northing(Y) in meters	1096581.633
Easting (X) in US Survey ft	12081884.724
Northing(Y) in US Survey ft	3597701.574
Easting (X) in international ft	12081908.888
Northing(Y) in international ft	3597708.769
Scale	.99995041
Convergence (dms)	1 14 52.889

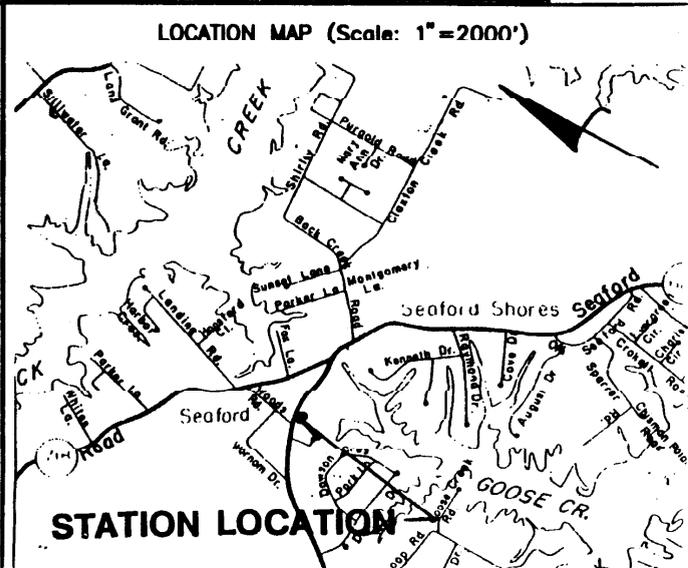
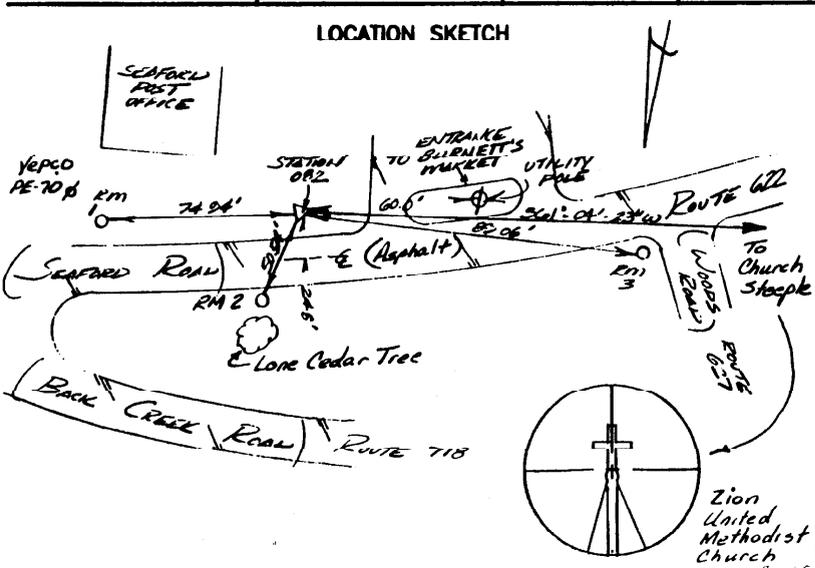
# COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

VIRGINIA STATE PLANE COORDINATES—SOUTH ZONE (NAD 1983)			
STATION NO.	UNITS	EASTING (X)	NORTHING (Y)
<b>082</b>	Meters	3683620.228	1097715.124
	U S Survey ft.	12085344.032	3601420.369
	Int'l ft.	12085368.203	3601427.572

VERTICAL DATA
Elevations refer to National Geodetic Vertical Datum (1929)
Elevation Of Station= 7.49'

REFERENCE AND AZIMUTH MARK LOCATIONS			
OBJECT	BEARING	DISTANCE	ELEVATION
RM1	N66°36'54"E	74.94'	_____
RM2	N13°31'55"E	50.54'	_____
RM3	N83°42'43"W	89.06'	_____
CHURCH STEEPLE	S61°04'23"W	----	_____

COUNTY/CITY	DISTRICT	FIELD BOOKS
YORK COUNTY	GRAFTON	PS 323/24
STATION NUMBER:		
<b>082</b>		



STATION DESCRIPTION

- STATION 082:** A 3-1/4" disk in concrete, approximately 1" below the ground surface, stamped "STATION NO. 082". The disk is located 15.0' southeast of the edge of the pavement of Route 622 (Seaford Road) in between Burnett's Market and the Seaford Post Office.
- REFERENCE MARK NO. 1:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located in front of the Seaford Post Office building, 18.0' southeast of the edge of the pavement of Route 622 (Seaford Road), 1.0' southwest of utility pole #PE-70.
- REFERENCE MARK NO. 2:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 3.5' northwest of the edge of the pavement of Route 622 (Seaford Road), 6.0' south of a cedar tree.
- REFERENCE MARK NO. 3:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 28.5' northwest of the center line of Route 622 (Seaford Road), 1.5' northeast of the street sign.

**STA 082** WITNESS POST PLACED 3.5' Southeast  
OF THE STATION

**RM1** WITNESS POST PLACED 3.0' Northeast  
OF THE MARK

**RM2** WITNESS POST PLACED 5.0' Northeast  
OF THE MARK

**RM3** WITNESS POST PLACED 2.0' West  
OF THE MARK

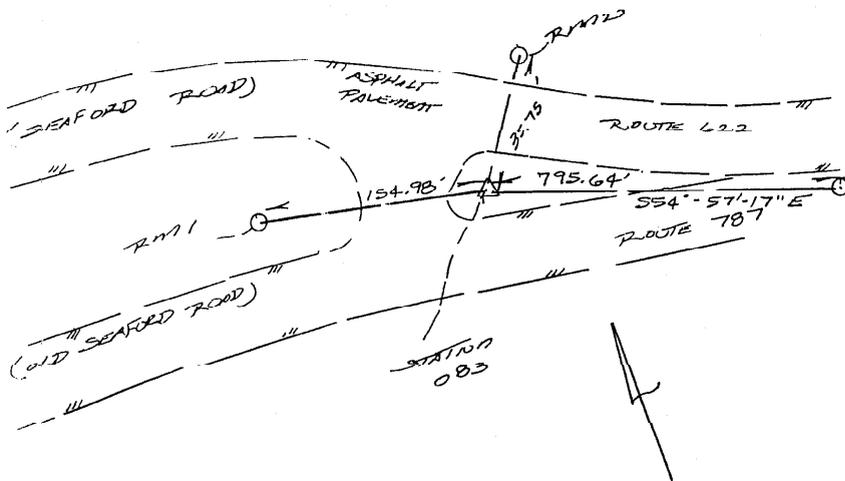
Station Name: 82

Latitude (dms) 37 11 44.61250  
Longitude (dms) 76 25 53.54222  
State Plane Zone (4502) Virginia South  
Easting (X) in meters 3683620.228  
Northing(Y) in meters 1097715.124  
Easting (X) in US Survey ft 12085344.032  
Northing(Y) in US Survey ft 3601420.369  
Easting (X) in international ft 12085368.203  
Northing(Y) in international ft 3601427.572  
Scale .99994987  
Convergence (dms) 1 15 19.440

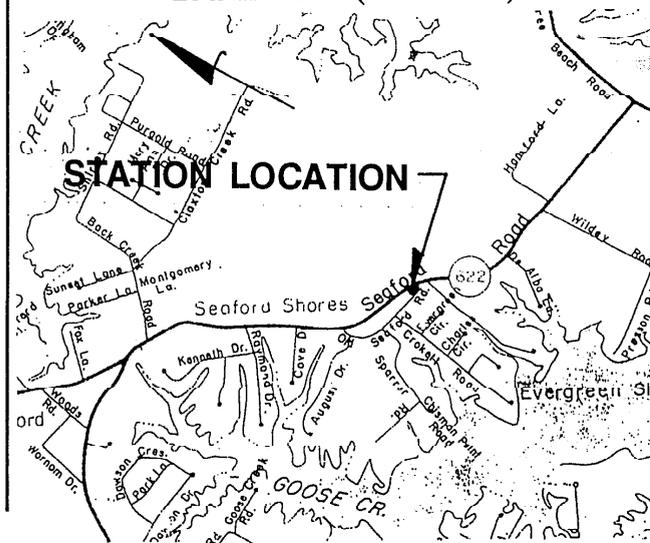
# COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA APRIL 1990 SUPPLEMENT

VIRGINIA STATE PLANE COORDINATES—SOUTH ZONE (NAD 1983)				VERTICAL DATA	
STATION NO.	UNITS	EASTING (X)	NORTHING (Y)	Elevations refer to National Geodetic Vertical Datum (1929)	
<b>083</b>	Meters	3685085.366	1097194.464	Elevation of Station = 6.37'	
	U.S. Survey Ft.	12090150.904	3599712.170	FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
	Int'l Ft.	12090175.084	3599719.369		
REFERENCE AND AZIMUTH MARK LOCATIONS				COUNTY/CITY YORK COUNTY	DISTRICT GRAFTON
OBJECT	BEARING	DISTANCE	ELEVATION	STATION NUMBER	FIELD BOOKS
RM1	N71°55'39"W	154.98'	---	<b>083</b>	PS 323/30
RM2	N24°18'58"E	35.75'	---		
RM3	S54°57'17"E	795.64'	---		

LOCATION SKETCH (Not to Scale)



LOCATION MAP (Scale: 1"=2000')







STATION DESCRIPTION

- STATION 084: A 3-1/4" disk in concrete, approximately 1" below the ground surface, stamped "STATION NO. 084". The disk is located at the southeast corner of the intersection of Routes 622 (Seaford Road) and 712 (Bay Tree Beach Road), 28.5' east of the center line of Route 712, 27.5' south of the center line of Route 622.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 20.0' west of the center line of Route 712 (York Point Road), 66.0' south of the southern edge of a steel manhole cover for a water pipeline.
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 17.0' west of the center line of Route 712 (Bay Tree Beach Road), 17.0' southeast of utility pole #IC-20.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located at the northeast corner of the intersection of Routes 622 (Seaford Road) and 670 (Hansford Lane), 1.5' south of the street sign, 11.0' west of utility pole #EB-99, 27.0' north of the center line of Route 622.

STA 084 WITNESS POST PLACED 7.0' Northeast  
OF THE STATION

Station Name: 84

RM1 WITNESS POST PLACED 12.5' West  
OF THE MARK

Latitude (dms) 37 11 25.28785  
Longitude (dms) 76 24 6.12798

RM2 WITNESS POST PLACED 17.0' Southwest  
OF THE MARK

State Plane Zone (4502) Virginia South  
Easting (X) in meters 3686281.734  
Northing(Y) in meters 1097178.012  
Easting (X) in US Survey ft 12094075.990  
Northing(Y) in US Survey ft 3599658.194  
Easting (X) in international ft 12094100.178  
Northing(Y) in international ft 3599665.393

RM3 WITNESS POST PLACED 11.0' East  
OF THE MARK

Scale .99995016  
Convergence (dms) 1 16 24.633

**STATION 085**

**INTENTIONALLY OMITTED**



# COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

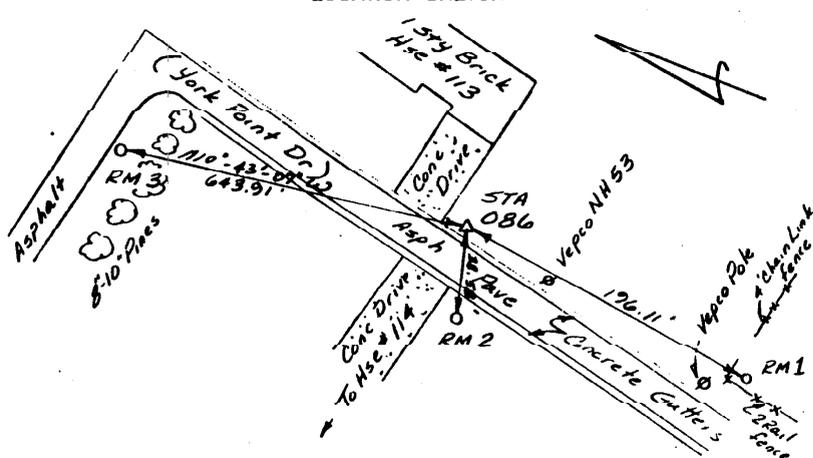
VIRGINIA STATE PLANE COORDINATES—SOUTH ZONE (NAD 1983)			
STATION NO.	UNITS	EASTING (X)	NORTHING (Y)
<b>086</b>	Meters	3687045.033	1095654.805
	U S Survey ft.	12096580.246	3594660.806
	Int'l ft.	12096604.439	3594667.996

VERTICAL DATA
Elevations refer to National Geodetic Vertical Datum (1929)
Elevation Of Station= 5.74'

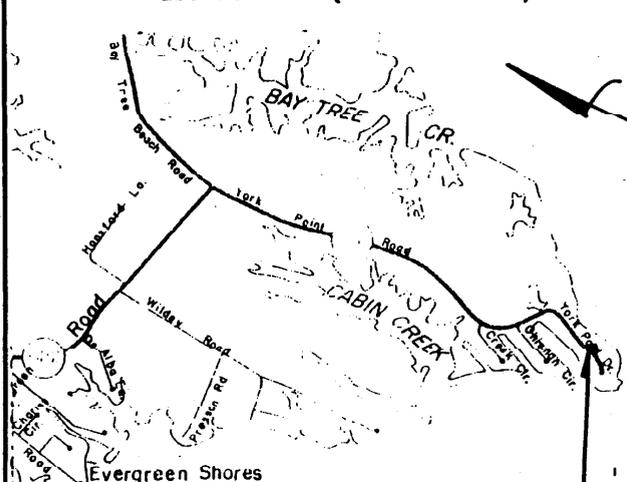
REFERENCE AND AZIMUTH MARK LOCATIONS			
OBJECT	BEARING	DISTANCE	ELEVATION
RM1	S08°30'50"E	196.11'	— — — —
RM2	S64°46'30"W	38.58'	— — — —
RM3	N10°43'07"W	643.91'	— — — —

FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
COUNTY/CITY YORK COUNTY	DISTRICT GRAFTON
STATION NUMBER:  <span style="font-size: 2em; font-weight: bold;">086</span>	FIELD BOOKS PS 324/73

**LOCATION SKETCH**



**LOCATION MAP (Scale: 1"=2000')**



**STATION LOCATION**

STATION DESCRIPTION

- STATION 086: A 3-1/4" disk in concrete, approximately 1" below the ground surface, stamped "STATION NO. 086". The disk is located 1.5' east of the edge of the concrete gutter pan adjacent to Route 712 (York Point Drive), 2.0' south of the edge of the concrete driveway at #113 York Point Drive (one-story brick residence).
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 1" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 4.0' southeast of the adjacent utility pole, 1.0' south of the line (projected) of the chain link fence at #119 York Point Drive (two-story brick residence).
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 1" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 2.0' west of the edge of the concrete gutter pan adjacent to Route 712 (York Point Drive), 4.0' south of the edge of the concrete driveway at #114 York Point Drive (one-story brick residence).
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 1" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 3.5' south of the edge of the pavement of Route 712 (York Point Road), 87.0' east of utility pole #20.

STA 086 WITNESS POST PLACED 43.5' Northeast  
OF THE STATION

RM1 WITNESS POST PLACED 3.5' Northwest  
OF THE MARK

RM2 WITNESS POST PLACED 2.0' West  
OF THE MARK

RM3 WITNESS POST PLACED 10.0' South  
OF THE MARK

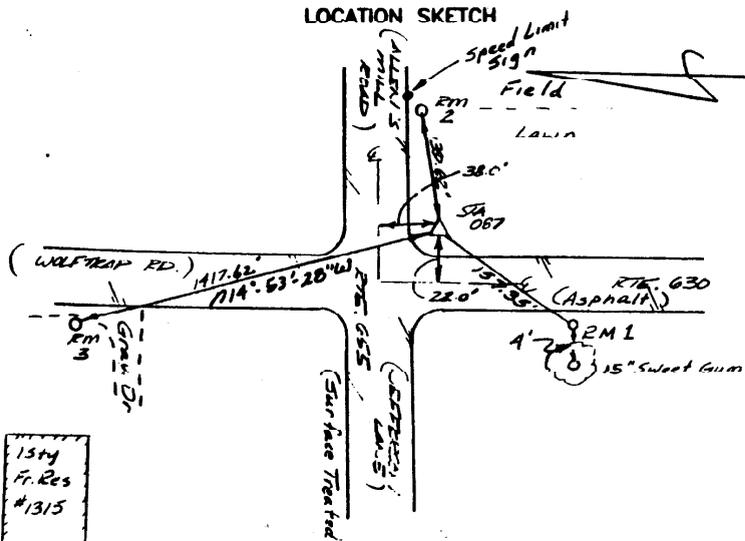
Station Name: 86

Latitude (dms) 37 10 35.33654  
Longitude (dms) 76 23 36.56390  
State Plane Zone (4502) Virginia South  
Easting (X) in meters 3687045.033  
Northing(Y) in meters 1095654.805  
Easting (X) in US Survey ft 12096580.246  
Northing(Y) in US Survey ft 3594660.806  
Easting (X) in international ft 12096604.439  
Northing(Y) in international ft 3594667.996  
Scale .99995093  
Convergence (dms) 1 16 42.576

# COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

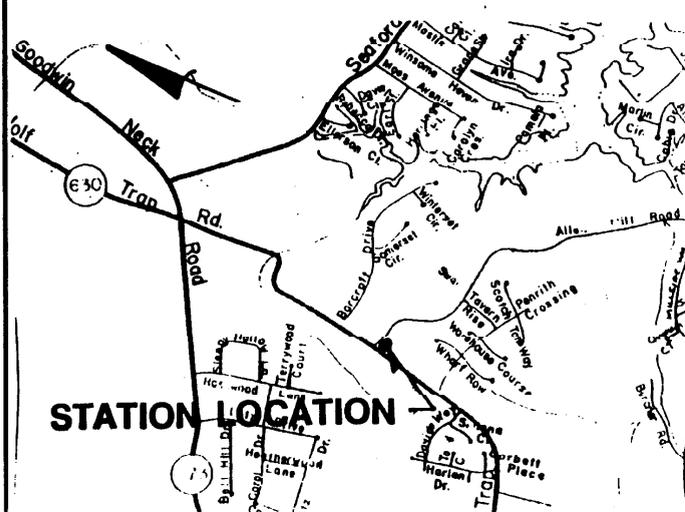
VIRGINIA STATE PLANE COORDINATES—SOUTH ZONE (NAD 1983)				VERTICAL DATA	
STATION NO.	UNITS	EASTING (X)	NORTHING (Y)	Elevations refer to National Geodetic Vertical Datum (1929)	
087	Meters	3681088.042	1095478.579	Elevation Of Station= 28.86'	
	U S Survey ft.	12077036.351	3594082.637		
	Int'l ft.	12077060.505	3594089.825		
REFERENCE AND AZIMUTH MARK LOCATIONS				FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
OBJECT		BEARING	DISTANCE	ELEVATION	
RM1		S00°10'05"W	157.35'	-----	
RM2		N74°23'45"E	139.62'	-----	
RM3		N14°53'28"W	1,417.62'	-----	
				COUNTY/CITY	DISTRICT
				YORK COUNTY	GRAFTON
				STATION NUMBER:	FIELD BOOKS
				087	PS 320/64.

LOCATION SKETCH



1544  
 Fr. Res  
 #1315

LOCATION MAP (Scale: 1"=2000')



STATION DESCRIPTION

- STATION 087:** A 3-1/4" disk in concrete, approximately 3" below the ground surface, stamped "STATION NO. 087". The disk is located at the southeast corner of the intersection of Routes 630 (Wolftrap Road) and 655 (Allen's Mill Road), 22.0' east of the center line of Route 630, 28.5' southwest of a fire hydrant (red and white).
- REFERENCE MARK NO. 1:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 5.5' west of the edge of the pavement of Route 630 (Wolftrap Road), 4.0' east of a 15" sweet gum tree.
- REFERENCE MARK NO. 2:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located east of STATION 087, 10.5' south of the edge of the pavement of Route 655 (Allen's Mill Road).
- REFERENCE MARK NO. 3:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 26.5' west of the edge of the pavement of Route 630 (Wolftrap Road), 29.5' south of utility pole #WJ-13.

<b>STA 087</b>	<b>WITNESS POST PLACED</b>	<u>8.5' Northeast</u>
	<b>OF THE STATION</b>	
<b>RM1</b>	<b>WITNESS POST PLACED</b>	<u>2.5' West</u>
	<b>OF THE MARK</b>	
<b>RM2</b>	<b>WITNESS POST PLACED</b>	<u>4.0' Southeast</u>
	<b>OF THE MARK</b>	
<b>RM3</b>	<b>WITNESS POST PLACED</b>	<u>4.5' Northwest</u>
	<b>OF THE MARK</b>	

Station Name: 87

Latitude (dms)	37 10 33.86417
Longitude (dms)	76 27 38.15835
State Plane Zone (4502) Virginia South	
Easting (X) in meters	3681088.042
Northing(Y) in meters	1095478.579
Easting (X) in US Survey ft	12077036.351
Northing(Y) in US Survey ft	3594082.637
Easting (X) in international ft	12077060.505
Northing(Y) in international ft	3594089.825
Scale	.99995095
Convergence (dms)	1 14 15.946



STATION DESCRIPTION

- STATION 088: A 3-1/4" disk in concrete, approximately 1" below the ground surface, stamped "STATION NO. 088". The disk is located 15.5' north of the center line of Route 655 (Allen's Mill Road), 40.5' east of a fire hydrant (red and white).
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 1" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 1.5' east of utility pole #DG-15, 21.0' north of the center line of Route 655 (Allen's Mill Road).
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 1.0' west of the northwest corner of the chain link fence of the York County utility pump station, 42.0' south of the center line of Route 655 (Allen's Mill Road).
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 13.0' south of the edge of the pavement of Route 655 (Allen's Mill Road), 8.0' west of utility pole #571-52.

STA 088 WITNESS POST PLACED 35.5' Southwest  
OF THE STATION

Station Name: 88

RM1 WITNESS POST PLACED 3.0' Northwest  
OF THE MARK

Latitude (dms) 37 10 32.17630

Longitude (dms) 76 27 9.69072

State Plane Zone (4502) Virginia South

RM2 WITNESS POST PLACED 6.5' Southwest  
OF THE MARK

Easting (X) in meters 3681791.220

Northing(Y) in meters 1095441.758

RM3 WITNESS POST PLACED 4.0' West  
OF THE MARK

Easting (X) in US Survey ft 12079343.362

Northing(Y) in US Survey ft 3593961.834

Easting (X) in international ft 12079367.521

Northing(Y) in international ft 3593969.022

Scale .99995098

Convergence (dms) 1 14 33.224

# COUNTY OF YORK 2005 SUPPLEMENTAL SURVEY MARK REFERENCE AND RECOVERY DATA

## VIRGINIA STATE PLANE COORDINATES—SOUTH ZONE (NAD 1983)

STATION NO.	UNITS	NORTHING (Y)	EASTING (X)
<b>089 RESET</b>	Meters	1093580.970	3680928.847
	U.S. Survey Feet	3587856.900	12076514.058

## VERTICAL DATA

Elevations refer to National Geodetic Vertical Datum (1929)  
 Elevation of Station = 56.06' GPS Derived  
 For Written Description & Additional Data  
 See Reverse Side

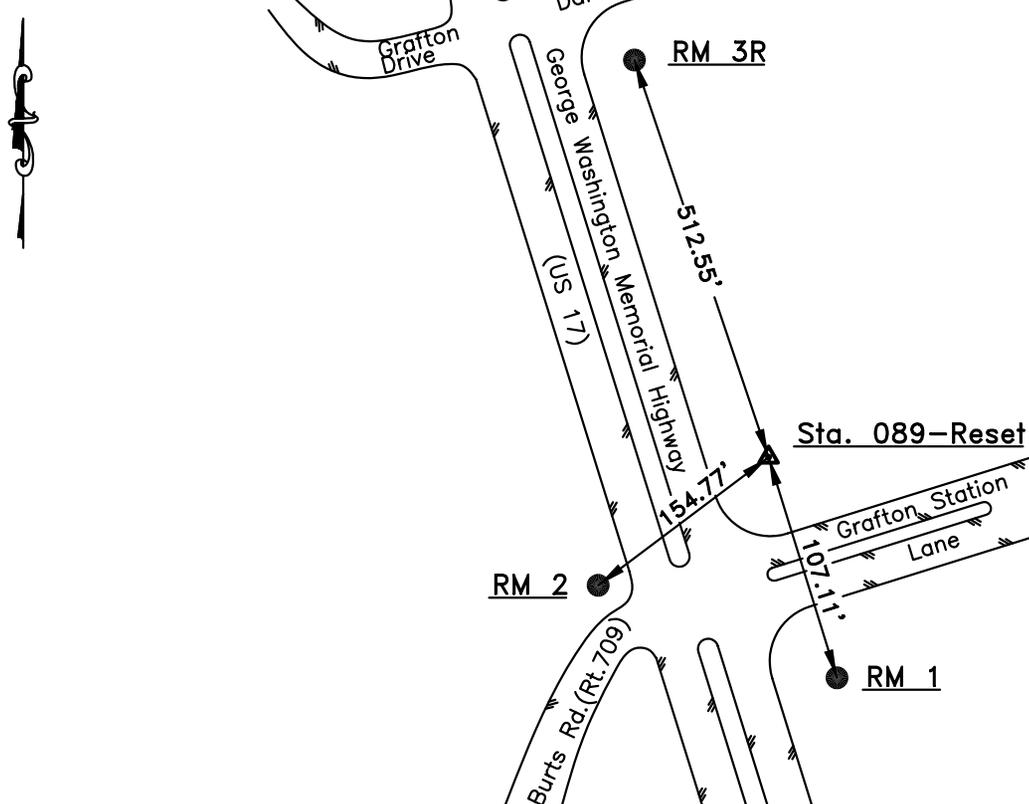
COUNTY/CITY YORK COUNTY	DISTRICT GRAFTON
-------------------------	------------------

## REFERENCE MARK LOCATIONS

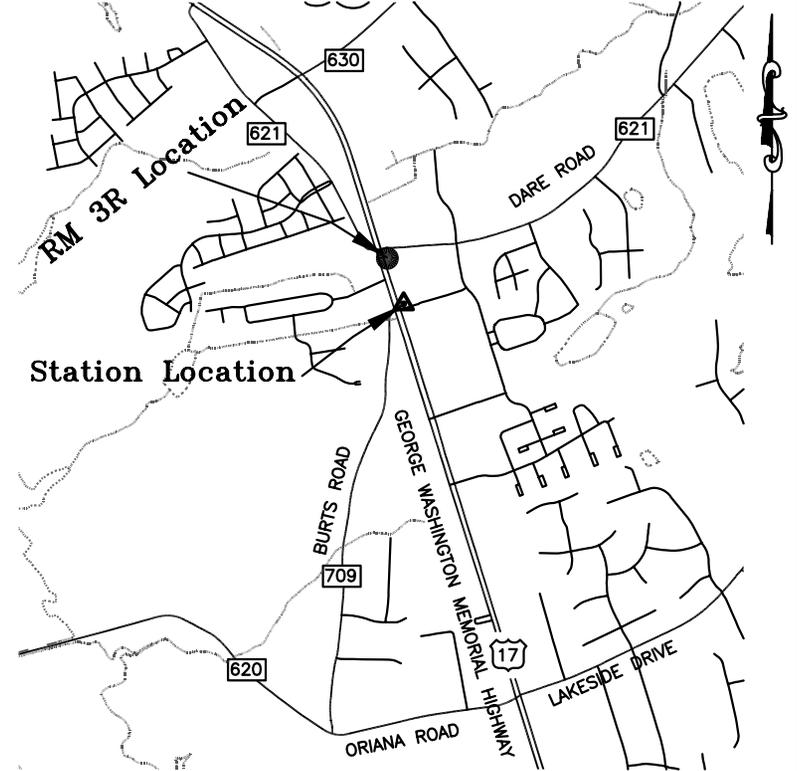
OBJECT	BEARING	DISTANCE	ELEVATION
RM 1	S21°47'18"E	107.11'	-----
RM 2	S68°56'21"W	154.77'	-----
RM 3R	N17°49'51"W	512.55'	-----

STATION NO.  
089 - RESET

**LOCATION SKETCH**  
Not to Scale



**LOCATION MAP**  
Scale 1"=2000'



# STATION DESCRIPTION

Station: 089 Reset

A 3-1/4" Brass disk set in concrete, approximately 3" below the ground surface, stamped "STATION 089 RESET". The disk is located at the northeast corner of the intersection of Grafton Station Lane and US 17 (George Washington Memorial Highway), 28.5' southwest of a "Hardee's" sign, 23.4' northwest of the southwest back of curb corner for the parking lot of Hardee's, 10.5' north of a street sign.

Reference Mark No. 1:

A 2" Aluminum disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located at the southeast corner of the intersection of Grafton Station Lane with US 17 (George Washington Memorial Highway), 12.3' southwest of a utility pole #VJ-44, 16.1' east of the east edge of pavement of the northbound lanes of US 17 (George Washington Memorial Highway), 32.7' northwest of a yard lamp.

Reference Mark No. 2:

A 2" Aluminum disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 21.0' southwest of utility pole #VJ-25, 17.0' east of utility pole #VJ-05, 30.2' west of the west edge of pavement of Burts Road where it intersects with US 17 (George Washington Memorial Highway).

Reference Mark No. 3R:

A 2" Brass disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 3R". The disk is located 512.59' north northwest of said station at the southeast corner of US 17 (George Washington Memorial Highway) where it intersects with Dare Road (Rt. 631), 6.6' east of the east edge of pavement for the northbound lanes of US 17 (George Washington Memorial Highway), 48.2' north of the center of a yard drain inlet, 7.4' south of the southwest corner of a sign for the "Grafton Baptist Church".

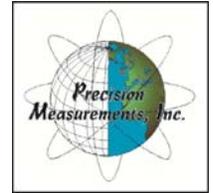
## Station Name: 089-Reset

Latitude (dms)	37°09'32.43231"
Longitude (dms)	76°27'46.27052"
State Plane Zone (4502) Virginia South	
Easting (X) in meters	3680928.847
Northing (Y) in meters	1093580.970
Easting (X) in U.S. Survey Feet	12076514.058
Northing (Y) in U.S. Survey Feet	3587856.900
Scale	0.999951986
Convergence (dms)	01°14'11.02264"



# Precision Measurements Inc.

Surveyors \* GPS \* GIS \* 3D Scanning \* Mappers  
Newport News, VA



## Station 089 Reset

Close-up View



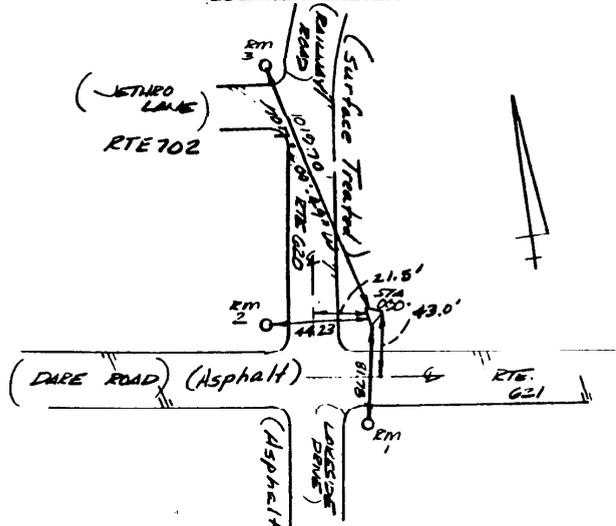
View Looking South



# COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

VIRGINIA STATE PLANE COORDINATES—SOUTH ZONE (NAD 1983)				VERTICAL DATA	
STATION NO.	UNITS	EASTING (X)	NORTHING (Y)	Elevations refer to National Geodetic Vertical Datum (1929)	
<b>090</b>	Meters	3683080.945	1094762.099	Elevation Of Station= 9.90'	
	U S Survey ft.	12083574.733	3591731.987	FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
	Int'l ft.	12083598.900	3591739.171		
REFERENCE AND AZIMUTH MARK LOCATIONS				COUNTY/CITY	DISTRICT
OBJECT	BEARING	DISTANCE	ELEVATION	YORK COUNTY	GRAFTON
RM1	S05°08'37"E	81.78'	---	STATION NUMBER:  <b style="font-size: 2em;">090</b>	
RM2	S87°14'26"W	44.23'	---		
RM3	N07°00'49"W	1,019.70'	---		
				FIELD BOOKS PS 320/14	

**LOCATION SKETCH**



**LOCATION MAP (Scale: 1"=2000')**



STATION DESCRIPTION

- STATION 090:** A 3-1/4" disk in concrete, approximately 2" below the ground surface, stamped "STATION NO. 090". The disk is located in the grass median at the northeast corner of the intersection of Routes 620 (Railway Road) and 621 (Dare Road), 21.5' east of the center line of Route 620, 43.0' north of the center line of Route 621.
- REFERENCE MARK NO. 1:** A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 20.5' east of the center line of Route 620 (Lakeside Drive), 58.5' south of the center line of Route 621 (Dare Road).
- REFERENCE MARK NO. 2:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 23.0' west of the center line of Route 620 (Railway Road), opposite STATION 090.
- REFERENCE MARK NO. 3:** A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 5.0' west of the edge of the pavement of Route 620 (Railway Road), 48.5' north of the center line of Route 702 (Jethro Lane).

**STA 090** WITNESS POST PLACED 5.0' East  
OF THE STATION

Station Name: 90

**RM1** WITNESS POST PLACED 6.0' Southwest  
OF THE MARK

Latitude (dms) 37 10 9.22322  
Longitude (dms) 76 26 18.02004  
State Plane Zone (4502) Virginia South  
Easting (X) in meters 3683080.945  
Northing(Y) in meters 1094762.099  
Easting (X) in US Survey ft 12083574.733  
Northing(Y) in US Survey ft 3591731.987  
Easting (X) in international ft 12083598.900  
Northing(Y) in international ft 3591739.171  
Scale .99995136  
Convergence (dms) 1 15 4.584

**RM2** WITNESS POST PLACED 8.0' Northeast  
OF THE MARK

**RM3** WITNESS POST PLACED 3.5' North  
OF THE MARK