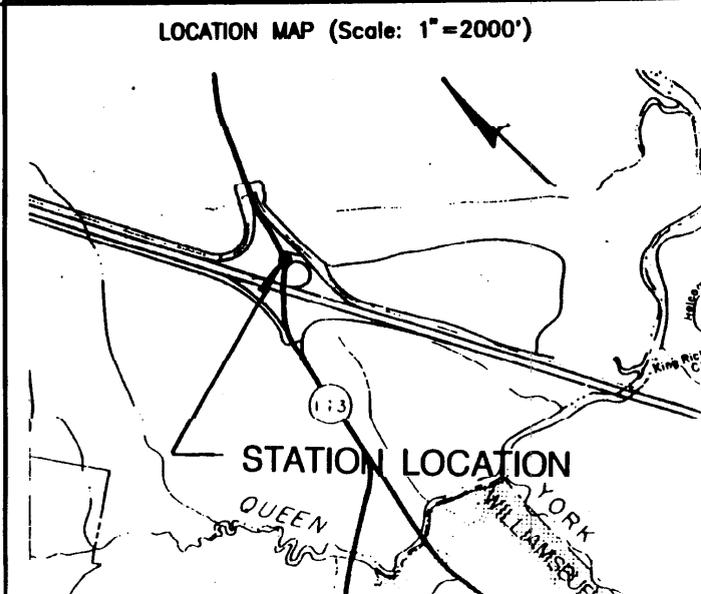
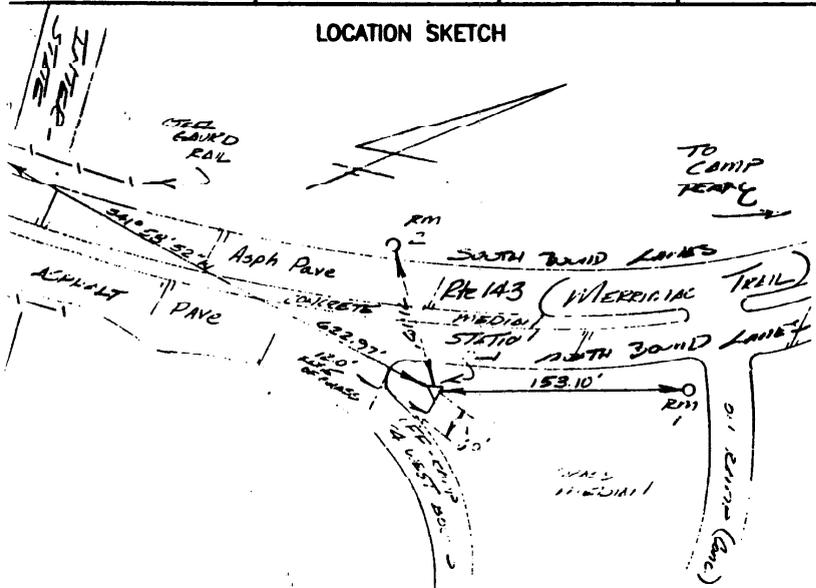


COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

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)	
021	Meters	3661079.160	1109330.354	Elevation Of Station= 86.82'	
	U S Survey ft.	12011390.545	3639528.003	FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
	Int'l ft.	12011414.568	3639535.282		
REFERENCE AND AZIMUTH MARK LOCATIONS				COUNTY/CITY	DISTRICT
OBJECT	BEARING	DISTANCE	ELEVATION	YORK COUNTY	BRUTON
RM1	N36°21'24"E	153.10'	---	STATION NUMBER: <b style="font-size: 2em;">021	
RM2	N58°47'10"W	71.19'	---		
RM3	S41°58'52"W	622.97'	---		
				FIELD BOOKS PS 321/76	



STATION DESCRIPTION

- STATION 021: A 3-1/4" disk in concrete, approximately 4" below the ground surface, stamped "STATION NO. 021". The disk is located adjacent to the northbound lanes of Route 143 (Merrimac Trail) at the entrance ramp to the westbound lanes of Interstate Route 64, 5.0' east of the edge of the pavement of Route 143.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 41.0' southeast of the center line of Route 143 (Merrimac Trail), 28.5' southwest of the center line of the exit ramp from the westbound lanes of I-64.
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 7" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 4.0' northwest of the edge of the pavement of Route 143 (Merrimac Trail), opposite STATION 021.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 4.5' west of the edge of the pavement of Route 143 (Merrimac Trail), 1.5' northwest of the end of the guardrail.

STA 021	WITNESS POST PLACED <u>21.0' Northeast</u> OF THE STATION
RM1	WITNESS POST PLACED <u>7.0' West</u> OF THE MARK
RM2	WITNESS POST PLACED <u>2.5' West</u> OF THE MARK
RM3	WITNESS POST PLACED <u>4.0' Northeast</u> OF THE MARK

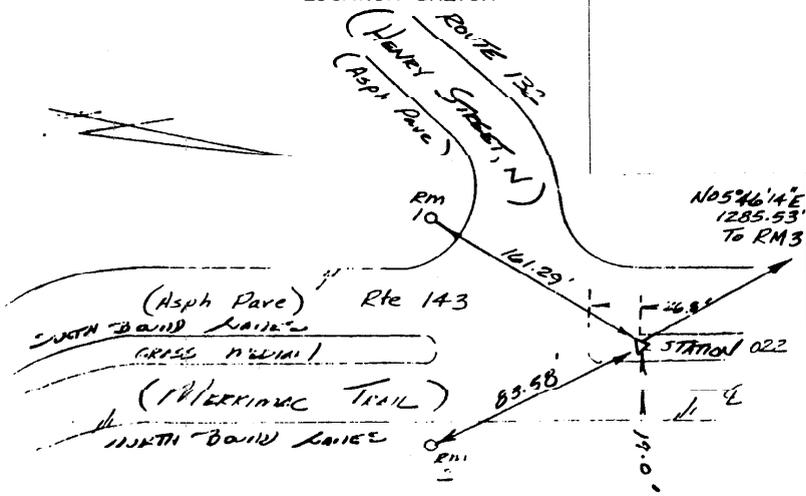
Station Name: 21

Latitude (dms)	37 18 16.37004
Longitude (dms)	76 40 58.35634
State Plane Zone (4502) Virginia South	
Easting (X) in meters	3661079.160
Northing(Y) in meters	1109330.354
Easting (X) in US Survey ft	12011390.545
Northing(Y) in US Survey ft	3639528.003
Easting (X) in international ft	12011414.568
Northing(Y) in international ft	3639535.282
Scale	.99994600
Convergence (dms)	1 6 10.286

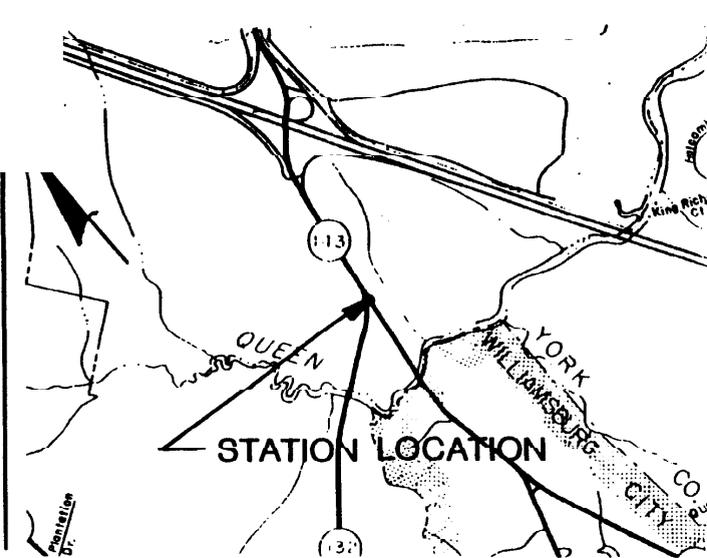
COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

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)	
022	Meters	3660797.271	1108401.475	Elevation Of Station= 31.08'	
	U S Survey ft.	12010465.712	3636480.505	FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
	Int'l ft.	12010489.733	3636487.778		
REFERENCE AND AZIMUTH MARK LOCATIONS				COUNTY/CITY	DISTRICT
OBJECT	BEARING	DISTANCE	ELEVATION	YORK COUNTY	BRUTON
RM1	S38°20'37"W	161.29'	---	STATION NUMBER: 022	
RM2	S30°48'48"E	83.58'	---		
RM3	N05°46'14"E	1,285.53'	---		
				FIELD BOOKS	
				PS 321/45	
				PS 321/75	

LOCATION SKETCH



LOCATION MAP (Scale: 1"=2000')



STATION DESCRIPTION

- STATION 022: A 3-1/4" disk in concrete, approximately 2" below the ground surface, stamped "STATION NO. 022". The disk is located in the grass median immediately north of the intersection of Routes 143 (Merrimac Trail) and 132 (Henry Street, N.), 12.0' east of the center line of the southbound lanes of Route 143, 19.0' west of the center line of the northbound lanes of Route 143, 26.5' north of the edge of the curb at the south end of the grass median.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 69.0' west of the center line of the southbound lanes of Route 143 (Merrimac Trail), 41.5' southeast of the center line of Route 132 (Henry Street, N.).
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 4" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 36.0' east of the center line of the northbound lanes of Route 143 (Merrimac Trail), 48.0' northeast of the route direction sign post.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 30.0' west of the center line of the southbound lanes of Route 143 (Merrimac Trail), 84.5' north of the end of the guardrail.

STA 022 WITNESS POST PLACED 3.0' Southeast
OF THE STATION

RM1 WITNESS POST PLACED 9.0' South
OF THE MARK

RM2 WITNESS POST PLACED 2.5' South
OF THE MARK

RM3 WITNESS POST PLACED 18.5' West
OF THE MARK

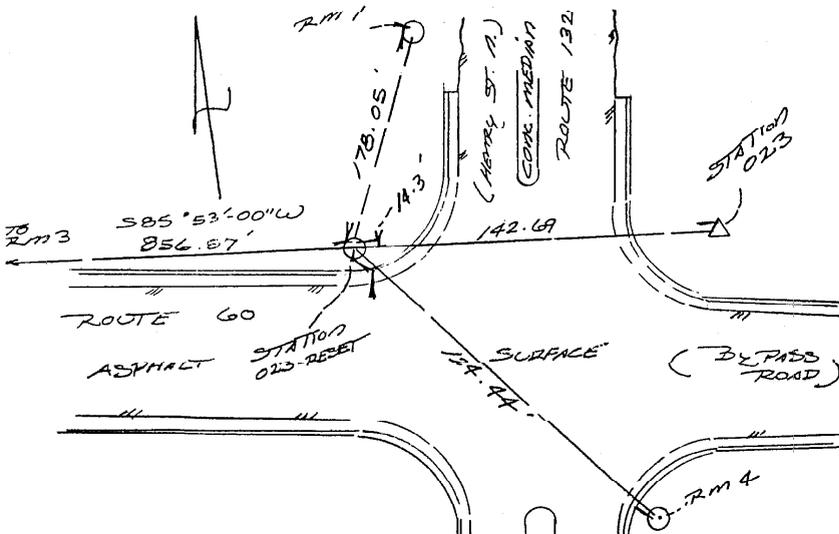
Station Name: 22

Latitude (dms)	37 17 46.41947
Longitude (dms)	76 41 10.52611
State Plane Zone (4502) Virginia South	
Easting (X) in meters	3660797.271
Northing(Y) in meters	1108401.475
Easting (X) in US Survey ft	12010465.712
Northing(Y) in US Survey ft	3636480.505
Easting (X) in international ft	12010489.733
Northing(Y) in international ft	3636487.778
Scale	.99994617
Convergence (dms)	1 6 2.900

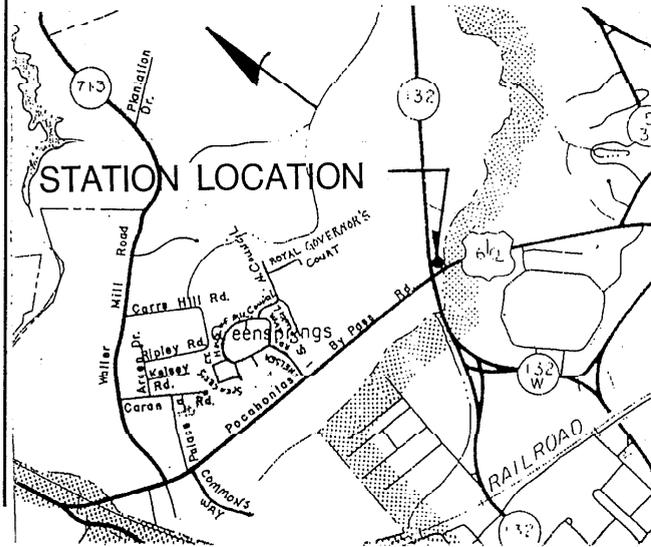
COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA APRIL 1990 SUPPLEMENT

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)
023-RESET	Meters	3659524.843	1107051.982	Elevation of Station = 31.02'
	U.S. Survey Ft.	12006291.090	3632053.045	FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE
	Int'l Ft.	12006315.103	3632060.309	
REFERENCE AND AZIMUTH MARK LOCATIONS				COUNTY/CITY YORK COUNTY
OBJECT	BEARING	DISTANCE	ELEVATION	DISTRICT BRUTON
RM1	N38°47'42"E	178.05'	---	STATION NUMBER 023-RESET FIELD BOOKS PS 321/42 PS 326/48
RM3	S85°53'00"W	856.87'	---	
RM4	S23°36'03"E	124.44'	---	
STATION 023	N85°53'00"E	142.69'	27.16'	

LOCATION SKETCH (Not to Scale)



LOCATION MAP (Scale: 1"=2000')



STATION DESCRIPTION

- STATION 023-RESET:** A 3¼" disk in concrete, approximately 4" below the ground surface, stamped "STATION NO. 023-RESET". The disk is located at the northeast corner of the intersection of Route 60 (Bypass Road) and 132 (Henry Street, N.), 14.3' east of the cast back of the curb of Route 60 (Bypass Road) and 40.0' west of a 6"x6" wood sign post.
- REFERENCE MARK NO. 1:** A 2" disk in concrete, approximately 6" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 7.0' northwest of the edge of the curbing on Route 132 (Henry Street, N.), 11.5' southwest of the end of the curbing on Route 132.
- REFERENCE MARK NO. 2:** A 2" disk in concrete, approximately 6" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 15.0' northeast of the center line of Route 60 (Bypass Road), 42.0' southeast of the route direction sign post.
- REFERENCE MARK NO. 3:** A 2" disk in concrete, approximately 4" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 29.0' southwest of the center line of Route 60 (Bypass Road), 81.0' south of a traffic control sign post.
- REFERENCE MARK NO. 4:** A 2" disk in concrete approximately 4" below the ground surface, stamped "REFERENCE MARK NO. 4". The disk is located at the southwest corner of Route 132 (Henry Street, N.) and Route 60 (Bypass Road), 11.2' south of the south back of the curb of Route 132 (Henry Street, N.) and 22.0' northwest of a traffic control box.

STA 023-RESET	WITNESS POST PLACED <u>3.0' NORTHEAST</u> OF THE STATION
RM1	WITNESS POST PLACED <u>6.0' NORTHWEST</u> OF THE MARK
RM2	WITNESS POST PLACED <u>2.5' EAST</u> OF THE MARK
RM3	WITNESS POST PLACED <u>7.5' WEST</u> OF THE MARK
RM4	WITNESS POST PLACED <u>2.5' NORTHEAST</u> OF THE MARK

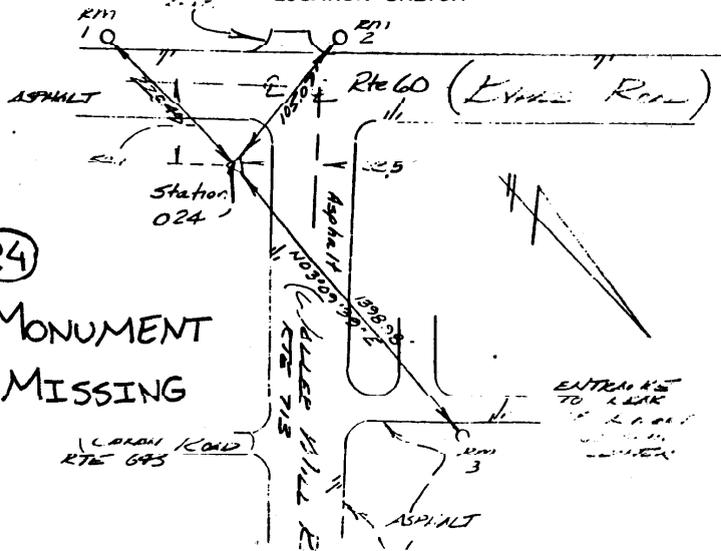
STATION NAME: 023-RESET

Latitude (dms)	37 17	3.44093
Longitude (dms)	76 42	3.22705
State Plane Zone (4502)	Virginia South	
Easting (X) in meters	3659524.843	
Northing (Y) in meters	1107051.982	
Easting (X) in US Survey ft.	12006291.090	
Northing (Y) in US Survey ft.	3632053.045	
Easting (X) in international ft.	12006315.103	
Northing (Y) in international ft.	3632060.309	
Scale	.99994645	
Convergency (dms)	1 5	30.914
YO	1114764.183	

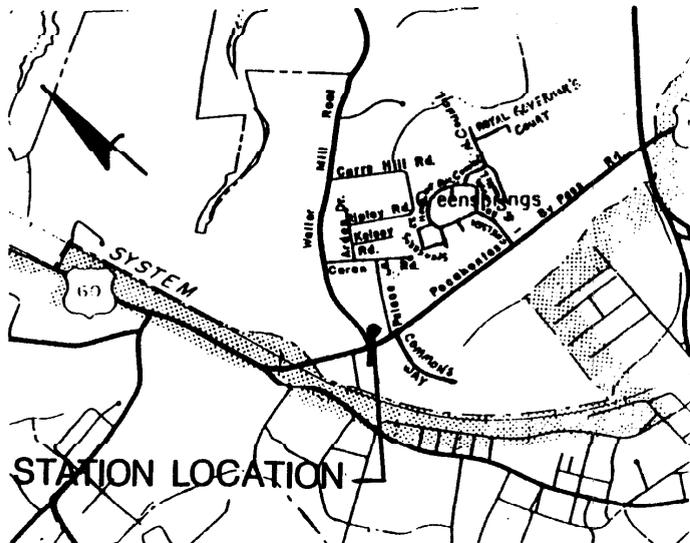
COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

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)	
024	Meters	3658108.127	1107137.232	Elevation Of Station= 94.08'	
	U S Survey ft.	12001643.079	3632332.737		
	Int'l ft.	12001667.083	3632340.002		
REFERENCE AND AZIMUTH MARK LOCATIONS				FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
OBJECT		BEARING	DISTANCE	ELEVATION	
RM1		S43°18'29"E	228.49'	_____	
RM2		S40°20'18"W	105.07'	_____	
RM3		N03°09'39"E	1,398.98'	_____	
				COUNTY/CITY YORK COUNTY	DISTRICT BRUTON
				STATION NUMBER:	024
				FIELD BOOKS PS 321/40	

LOCATION SKETCH



LOCATION MAP (Scale: 1"=2000')



STATION DESCRIPTION

- STATION 024: A 3-1/4" disk in concrete, approximately 1" below the ground surface, stamped "STATION NO. 024". The disk is located at the northeast corner of the intersection of Routes 60 (Bypass Road) and 713 (Waller Mill Road), 33.5' southeast of the center line of Route 713, 15.5' north of the street sign.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 7" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 19.0' southwest of the center line of the eastbound lanes of Route 60 (Bypass Road), 1.0' northeast of the corner of the brick entrance wall to Williamsburg Commons.
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 17.0' southwest of the center line of the eastbound lanes of Route 60 (Bypass Road), 8.0' southeast of utility pole #TK-35.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located at the rear of the shopping center west of Route 713 (Waller Mill Road), 38.0' north of the center line of the rear entrance road, 15.0' northeast of utility pole #TN-05.

STA 024 WITNESS POST PLACED 8.0' Northeast
OF THE STATION

RM1 WITNESS POST PLACED 3.0' South
OF THE MARK

RM2 WITNESS POST PLACED 7.0' Southwest
OF THE MARK

RM3 WITNESS POST PLACED 4.0' East
OF THE MARK

Station Name: 24

Latitude (dms) 37 17 7.07777
Longitude (dms) 76 43 .66720
State Plane Zone (4302) Virginia South
Easting (X) in meters 3658108.127
Northing(Y) in meters 1107137.232
Easting (X) in US Survey ft 12001643.079
Northing(Y) in US Survey ft 3632332.737
Easting (X) in international ft 12001667.083
Northing(Y) in international ft 3632340.002
Scale .99994643
Convergence (dms) 1 4 56.053

STATION DESCRIPTION

- STATION 025: A 3-1/4" disk in concrete, approximately 7" below the ground surface, stamped "STATION NO. 025". The disk is located on Route 713 (Waller Mill Road) at the intersection with Route 772 (Carr's Hill Road), 21.5' west of the center line of Route 713, 20.5' northeast of the red fire hydrant at the corner of the entrance road to Williamsburg New Testament Church.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 24.5' east of the center line of Route 713 (Waller Mill Road), 39.0' south of the center line of Route 772 (Carr's Hill Road).
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 4" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 28.5' west of the center line of Route 713 (Waller Mill Road), 3.5' west of utility pole #548.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately " below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located No Reference Mark No. 3 .

STA 025 WITNESS POST PLACED 21.0' West
OF THE STATION

RM1 WITNESS POST PLACED 2.0' Southeast
OF THE MARK

RM2 WITNESS POST PLACED 3.0' Southeast
OF THE MARK

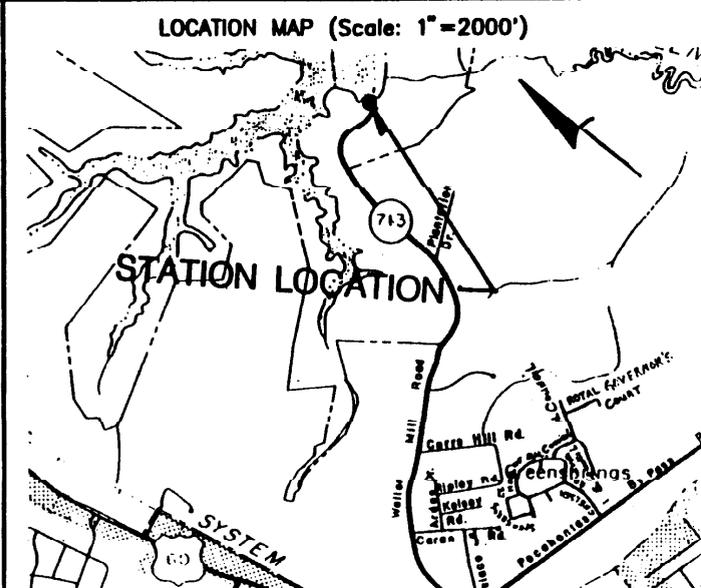
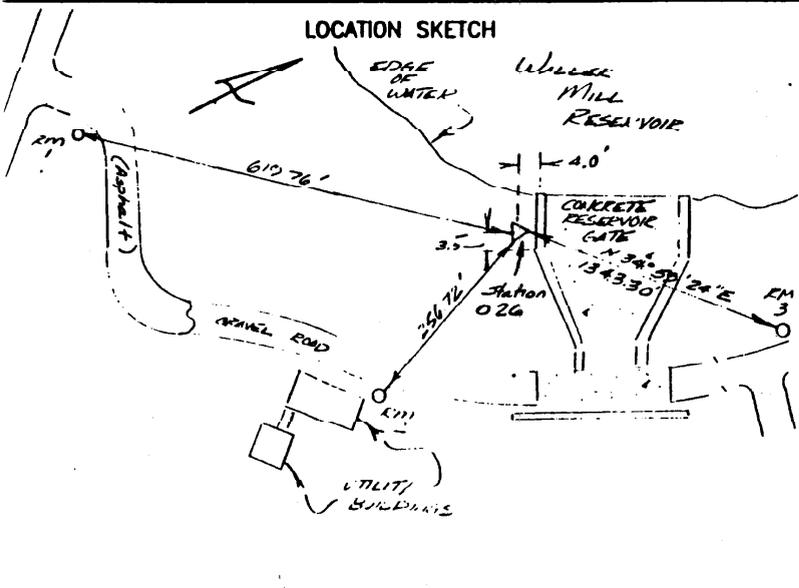
RM3 WITNESS POST PLACED _____
OF THE MARK

Station Name: 25

Latitude (dms) 37 17 28.07912
Longitude (dms) 76 42 47.81003
State Plane Zone (4502) Virginia South
Easting (X) in meters 3658412.509
Northing(Y) in meters 1107790.512
Easting (X) in US Survey ft 12002641.705
Northing(Y) in US Survey ft 3634476.038
Easting (X) in international ft 12002665.711
Northing(Y) in international ft 3634483.307
Scale .99994629
Convergence (dms) 1 5 3.856

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)	
026	Meters	3659354.887	1109114.993	Elevation Of Station= 41.40'	
	U S Survey ft.	12005733.493	3638821.439		
	Int'l ft.	12005757.505	3638828.717		
REFERENCE AND AZIMUTH MARK LOCATIONS				FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
OBJECT	BEARING	DISTANCE	ELEVATION	COUNTY/CITY YORK COUNTY	DISTRICT BRUTON
RM1	S58°28'50"W	619.76'	-----	STATION NUMBER: 026	
RM2	S14°36'09"E	256.72'	-----		
RM3	N34°59'24"E	1,343.30'	-----		
				FIELD BOOKS PS 321/36	



STATION DESCRIPTION

- STATION 026: A 3-1/4" disk in concrete, approximately 2" below the ground surface, stamped "STATION NO. 026". The disk is located at Waller Mill Reservoir, adjacent to the concrete spillway north of the Filter Plant, 4.0' south of the edge of the concrete spillway.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 6" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 19.0' southeast of the center line of the asphalt/gravel road from the Filter Plant to the concrete spillway, 15.0' northeast of the 24" pine tree.
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 6" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located adjacent to the dirt road around the concrete spillway, 15.5' southwest of the center line of the dirt road, 3.0' southeast of the northeast corner of the utility pump building.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 5" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 24.5' northeast of the dirt road from the reservoir to the watershed area, east of the entrance to the police firing range.

STA 026 WITNESS POST PLACED 5.0' Northwest
OF THE STATION

Station Name: 26

RM1 WITNESS POST PLACED 15.5' Southwest
OF THE MARK

Latitude (dms) 37 18 10.45601

Longitude (dms) 76 42 8.53091

State Plane Zone (4502) Virginia South

RM2 WITNESS POST PLACED 3.0' Southeast
OF THE MARK

Easting (X) in meters 3659354.887

Northing(Y) in meters 1109114.993

Easting (X) in US Survey ft 12005733.493

Northing(Y) in US Survey ft 3638821.439

RM3 WITNESS POST PLACED 3.5' Northwest
OF THE MARK

Easting (X) in international ft 12005757.505

Northing(Y) in international ft 3638828.717

Scale .99994603

Convergence (dms) 1 5 27.695

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)
027 RESET	Meters	1108641.404	3657155.223
	U.S. Survey Feet	3637267.673	11998516.760

VERTICAL DATA

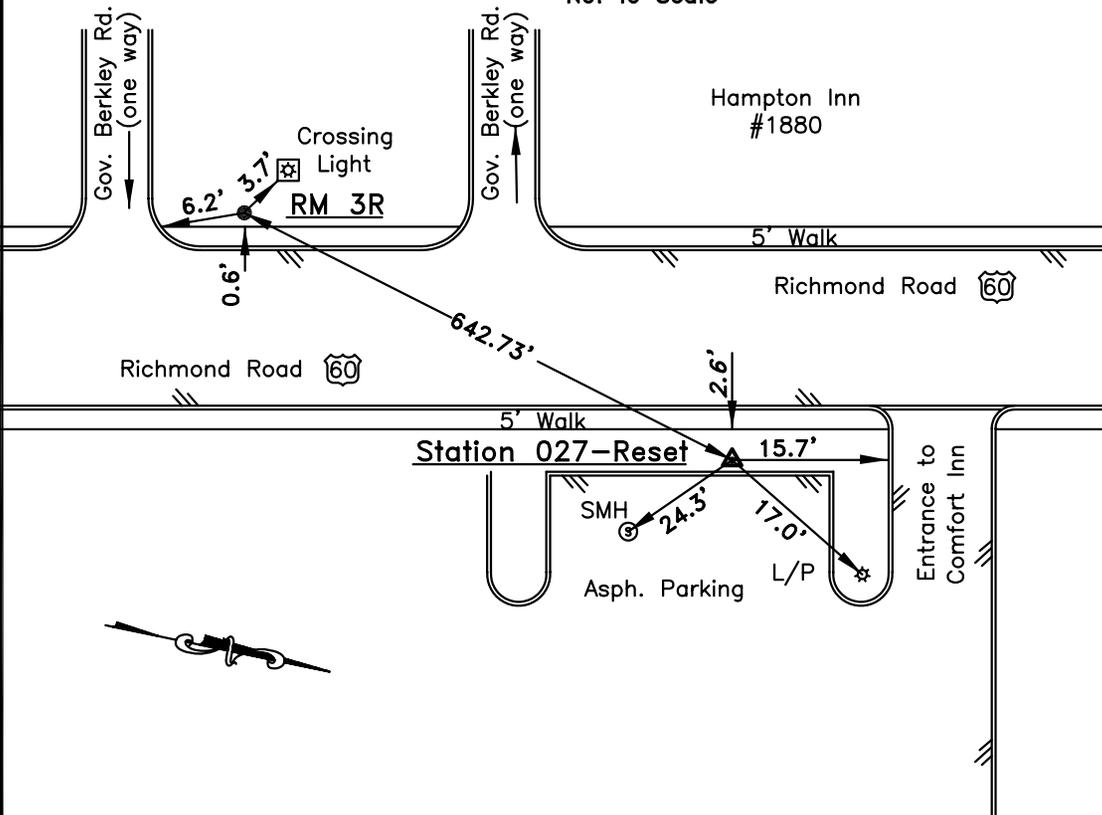
Elevations refer to National Geodetic Vertical Datum (1929)	
Elevation of Station = 90.87' GPS Derived	
For Written Description & Additional Data See Reverse Side	
COUNTY/CITY YORK COUNTY	DISTRICT BRUTON

REFERENCE MARK LOCATIONS

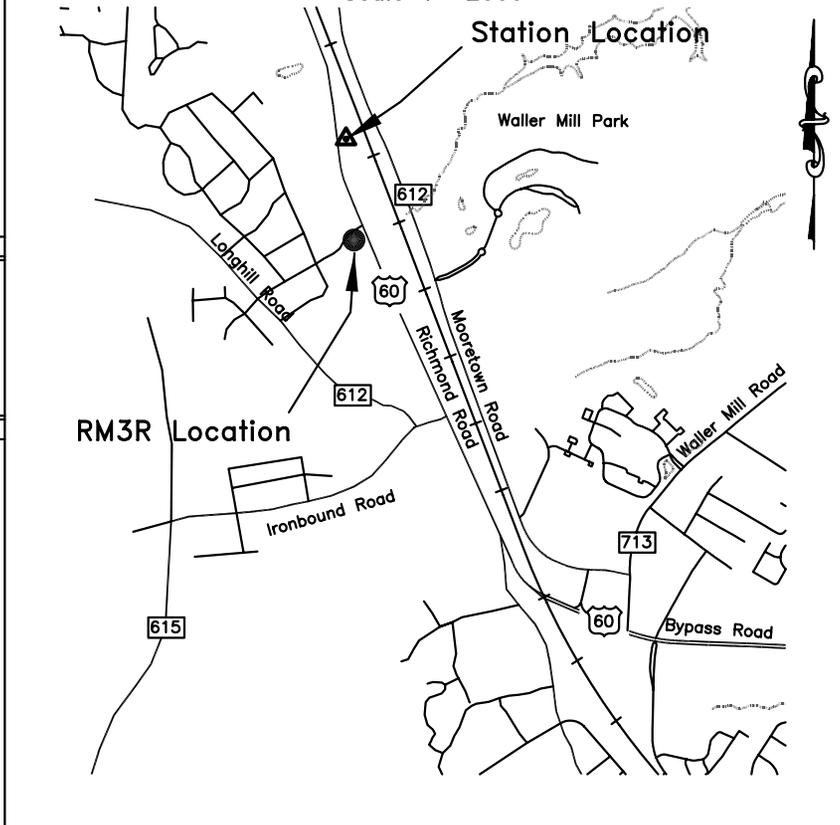
OBJECT	BEARING	DISTANCE	ELEVATION
RM 3R	S15°05'06"E	642.73'	-----

STATION NO.
027 - RESET

LOCATION SKETCH
Not to Scale



LOCATION MAP
Scale 1"=2000'



STATION DESCRIPTION

Station: 027-Reset

A 3-1/4" Brass disk set in concrete, approximately 3" below the ground surface at the back of curb for an asphalt parking lot, stamped "STATION 027 RESET". The disk is located on the east side of Richmond Road (US 60), 2.6' behind a 5' concrete walk, 8.1' south of the northwest corner of a parking lot (currently the Old Mill House of Waffles), 24.3' north of the center of a sanitary manhole, 15.7' south of the south back of curb for the entrance to the Comfort Inn at 2007 Richmond Road, 17.0' southwest of a light pole.

Reference Mark No. 1: Destroyed

Reference Mark No. 2: Destroyed

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 at the northwest corner of the intersection of Richmond Road (US 60) and the east bound lanes for Gov. Berkley Road (a one way street), 3.7' south of the southeast corner of the concrete base for a crossing light, 0.6' behind a 5' concrete walk, 6.2' north of the curb where said walk intersects with it on the north side of Gov. Berkley Road, 6' northeast of a Survey Witness Post.

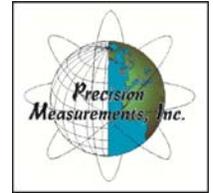
Station Name: 027-Reset

Latitude (dms)	37°17'56.44523"
Longitude (dms)	76°43'38.20018"
State Plane Zone (4502) Virginia South	
Easting (X) in meters	3657155.223
Northing (Y) in meters	1108641.404
Easting (X) in U.S. Survey Feet	11998516.760
Northing (Y) in U.S. Survey Feet	3637267.673
Scale	0.999946112
Convergence (dms)	01°04'33.27288"



Precision Measurements Inc.

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



Station 027 Reset

Close-up View



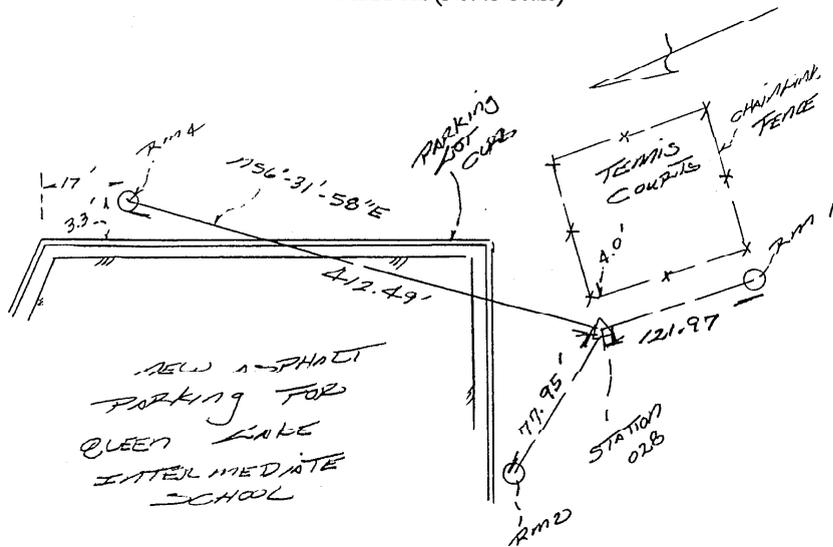
View Looking Northwest



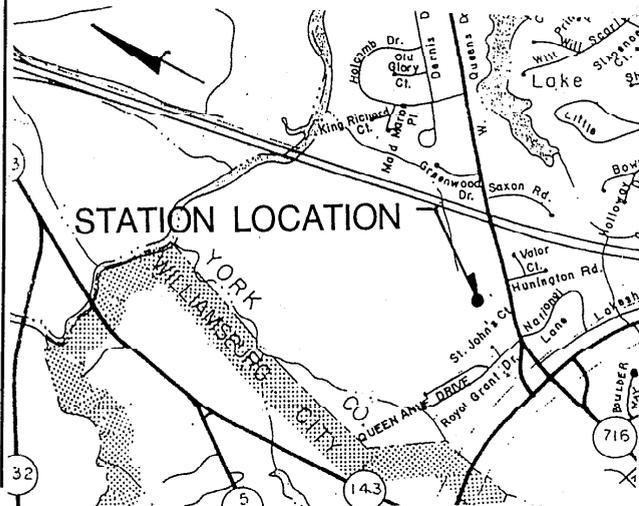
COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA APRIL 1990 SUPPLEMENT

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)
028	Meters	3662040.374	1106896.274	Elevation of Station = 70.67'
	U.S. Survey Ft.	12014544.127	3631542.194	FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE
	Int'l Ft.	12014568.156	3631549.457	
REFERENCE AND AZIMUTH MARK LOCATIONS				COUNTY/CITY YORK COUNTY
OBJECT	BEARING	DISTANCE	ELEVATION	DISTRICT BRUTON
RM1	S13°11'57"E	121.97'	---	STATION NUMBER 028
RM2	N00°41'17"E	77.95'	---	
RM3	D E S T R O Y E D			
RM4	N56°31'58"E	412.49'	---	
				FIELD BOOKS
				PS 321/51
				PS 327/26
				PS 326/49

LOCATION SKETCH (Not to Scale)



LOCATION MAP (Scale: 1"=2000')



STATION DESCRIPTION

- STATION 028: A 3/4" disk in concrete, approximately 3" below the ground surface, stamped "STATION NO. 028". The disk is located on the grounds of Queens Lake Intermediate School, 4.0' west of the northwest corner of the chain link fence around the tennis court.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 4" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 2.5' southwest of the southwest corner of the chain link fence around the tennis court.
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 4" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 1.5' west of the west gate post at the gate from the school parking lot to the tennis court area.
- REFERENCE MARK NO. 3: DESTROYED
- REFERENCE MARK NO. 4: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 4". The disk is located adjacent to the new parking lot of the Queens Lake Intermediate School, 3.3' east of the back of the east parking lot curb and 17.0' south of an angle point in the east parking lot curb.

S1A 028 WITNESS POST PLACED 5.0' SOUTH
OF THE STATION

RM1 WITNESS POST PLACED 3.0' SOUTHEAST
OF THE MARK

RM2 WITNESS POST PLACED 3.0' NORTHWEST
OF THE MARK

RM3 REFERENCE MARK NO. 3 WAS DESTROYED

RM4 WITNESS POST PLACED 2.0' NORTHEAST
OF THE MARK

STATION NAME: 028

Latitude (dms)	37	16	56.82355
Longitude (dms)	76	40	21.24317
State Plane Zone (4502) Virginia South			
Easting (X) in meters	3662040.374		
Northing (Y) in meters	1106896.274		
Easting (X) in US Survey ft.	12014544.127		
Northing (Y) in US Survey ft.	3631542.194		
Easting (X) in international ft.	12014568.156		
Northing (Y) in international ft.	3631549.457		
Scale	.99994650		
Convergency (dms)	1	6	32.811
YO	1114764.183		

COUNTY OF YORK SURVEY MARK REFERENCE AND RECOVERY DATA

VIRGINIA STATE PLANE COORDINATES—SOUTH ZONE (NAD 1983)

STATION NO.	UNITS	EASTING (X)	NORTHING (Y)
029	Meters	3662868.111	1108335.254
	U S Survey ft.	12017259.793	3636263.245
	Int'l ft.	12017283.831	3636270.518

VERTICAL DATA

Elevations refer to National Geodetic Vertical Datum (1929)
 Elevation Of Station= 56.17'

FOR WRITTEN DESCRIPTION &
 ADDITIONAL DATA SEE REVERSE SIDE

REFERENCE AND AZIMUTH MARK LOCATIONS

OBJECT	BEARING	DISTANCE	ELEVATION
RH1	N61°47'35"W	67.57'	-----
RH2	S02°50'10"W	77.23'	-----
RH3	N43°46'15"E	944.84'	-----

COUNTY/CITY
 YORK COUNTY

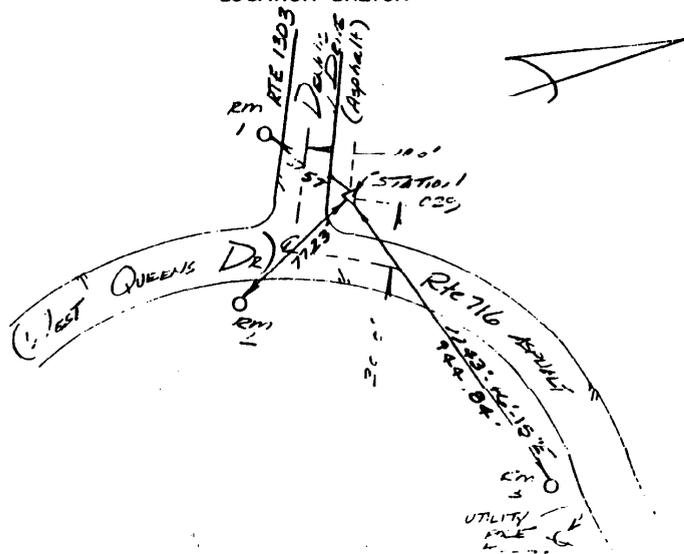
DISTRICT
 BRUTON

STATION NUMBER:

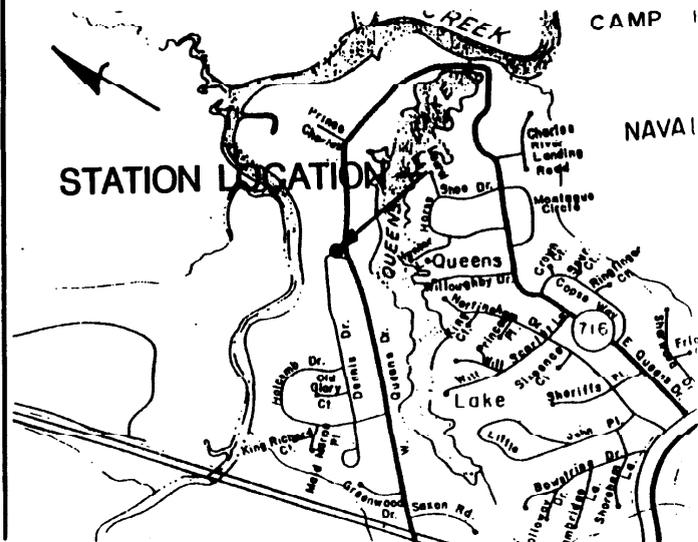
029

FIELD BOOKS
 PS 321/54

LOCATION SKETCH



LOCATION MAP (Scale: 1"=2000')



STATION DESCRIPTION

- STATION 029: A 3-1/4" disk in concrete, approximately 4" below the ground surface, stamped "STATION NO. 029". The disk is located at the northwest corner of the intersection of Routes 716 (W. Queens Drive) and 1303 (Dennis Drive), 30.0' west of the center line of Route 716, 18.0' north of the center line of Route 1303.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 21.0' south of the center line of Route 1303 (Dennis Drive), 50.0' west of utility pole #CC-58.
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 4" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 15.5' southeast of the center line of Route 716 (W. Queens Drive), 42.0' north of the post for the mailbox at 148 W. Queens Drive.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 24.0' southeast of the center line of Route 716 (W. Queens Drive), 41.0' southwest of utility pole #EE-77.

STA 029 WITNESS POST PLACED 26.0' Northwest
OF THE STATION

Station Name: 29

RM1 WITNESS POST PLACED 29.0' Southeast
OF THE MARK

Latitude (dms) 37 17 42.97288

Longitude (dms) 76 39 46.50919

State Plane Zone (4502) Virginia South

Easting (X) in meters 3662868.111

Northing(Y) in meters 1108335.254

Easting (X) in US Survey ft 12017259.793

Northing(Y) in US Survey ft 3636263.245

RM2 WITNESS POST PLACED 10.5' East
OF THE MARK

Easting (X) in international ft 12017283.831

Northing(Y) in international ft 3636270.518

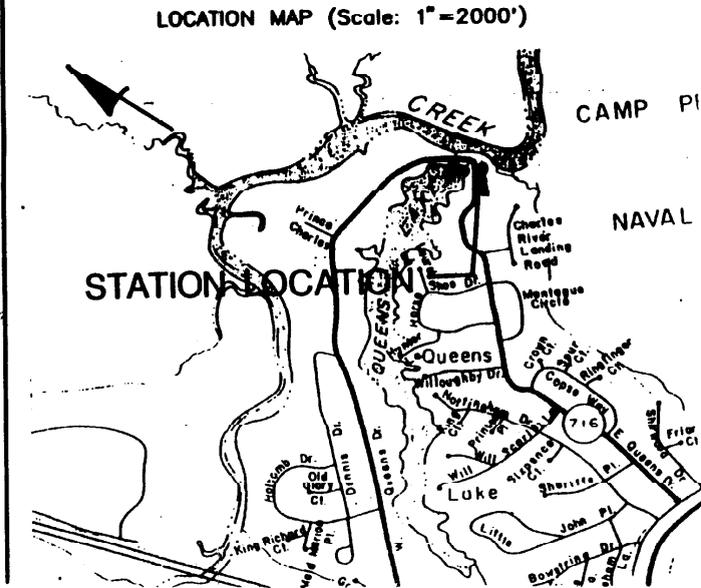
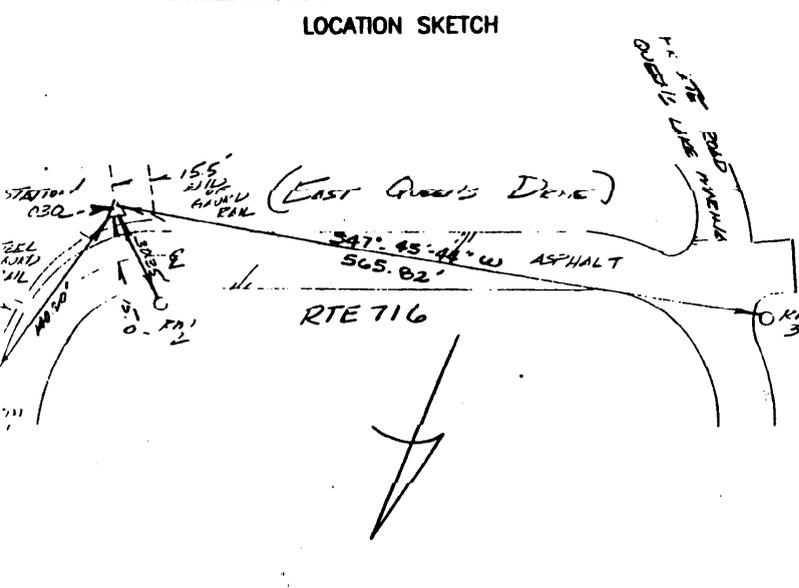
RM3 WITNESS POST PLACED 24.0' East
OF THE MARK

Scale .99994619

Convergence (dms) 1 6 53.892

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)	
030	Meters	3663862.093	1108523.355	Elevation Of Station= 19.56'	
	U S Survey ft.	12020520.882	3636880.373	FOR WRITTEN DESCRIPTION & ADDITIONAL DATA SEE REVERSE SIDE	
	Int'l ft.	12020544.924	3636887.647		
REFERENCE AND AZIMUTH MARK LOCATIONS				COUNTY/CITY	DISTRICT
OBJECT	BEARING	DISTANCE	ELEVATION	YORK COUNTY	BRIITON
RM1	N22°23'45"E	140.90'	-----	STATION NUMBER: 030	
RM2	N67°57'44"W	30.35'	-----		
RM3	S47°45'44"W	565.82'	-----		
				FIELD BOOKS	
				PS 321/57	



STATION DESCRIPTION

- STATION 030: A 3-1/4" disk in concrete, approximately 6" below the ground surface, stamped "STATION NO. 030". The disk is located immediately adjacent to the Queens Lake Marina, 15.0' southeast of the center line of Route 716 (E. Queens Drive), 15.5' northeast of the end of the guardrail.
- REFERENCE MARK NO. 1: A 2" disk in concrete, approximately 7" below the ground surface, stamped "REFERENCE MARK NO. 1". The disk is located 12.0' northeast of the center line of Route 716 (E. Queens Drive), west of the utility shed on the grounds of Queens Lake Marina.
- REFERENCE MARK NO. 2: A 2" disk in concrete, approximately 2" below the ground surface, stamped "REFERENCE MARK NO. 2". The disk is located 12.5' northwest of the center line of Route 716 (E. Queens Drive), 27.0' southwest of the edge of the concrete culvert pipe.
- REFERENCE MARK NO. 3: A 2" disk in concrete, approximately 3" below the ground surface, stamped "REFERENCE MARK NO. 3". The disk is located 25.0' southwest of the center line of Route 716 (E. Queens Drive), 4.0' northwest of the edge of the adjacent asphalt parking lot.

STA 030 WITNESS POST PLACED 3.0' West
OF THE STATION

Station Name: 30

RM1 WITNESS POST PLACED 2.5' East
OF THE MARK

Latitude (dms) 37 17 48.44419

Longitude (dms) 76 39 6.00790

State Plane Zone (4502) Virginia South

RM2 WITNESS POST PLACED 24.0' South
OF THE MARK

Easting (X) in meters 3663862.093

Northing(Y) in meters 1108523.355

Easting (X) in US Survey ft 12020520.882

Northing(Y) in US Survey ft 3636880.373

RM3 WITNESS POST PLACED 3.5' Southeast
OF THE MARK

Easting (X) in international ft 12020544.924

Northing(Y) in international ft 3636887.647

Scale .99994616

Convergence (dms) 1 7 18.473