

SURVEY AND QUALITY CONTROL PLAN FAA ADVISORY CIRCULAR 150/5300-16A

AIRPORT NAME: Suffolk Executive Airport

LOCATION: SUFFOLK, VA

AIRPORT IDENTIFIER: SFQ

SURVEY SPECIFICATIONS: FAA ADVISORY CIRCULAR 150/5300-16A

SUBMITTER: NATIONAL GEODETIC SURVEY

PROJECT SUMMARY:

To establish permanent geodetic control located on the Suffolk Executive Airport and designate PACS/SACS by tying to the NSRS.

AIRPORT SUMMARY REPORT:

Airport Point of Contact: Kent Marshall, Airport Manager 757-514-4411

Airport Controlled?: No

Escort Required?: No

Radio Frequencies: CTAF:122.7

The PACS and both SACS are all intervisible with each other.

RECONNAISSANCE:

The following survey and quality control plan is based on the findings of a reconnaissance mission conducted on 12-15-2008.

STATION NAME	PID	TYPE	AGENCY	HORIZ ORDER	VERT ORDER	STABILITY	CONDITION AT RECOVERY	COMMENTS
SFQ A (Proposed)	N/A	PACS	NGS			B	TO BE SET	SS ROD MARK
SFQ B (Proposed)	N/A	SACS	NGS			C	TO BE SET	DISK IN CONCRETE MONUMENT
J 324 RESET 1983 (Proposed)	FX2636		NGS	3	3?	C	GOOD	EXISTING BENCH MARK
PASCALE	FX4376	CBN	NGS	B	3	C	GOOD	HARN TIE
F 468	FX2236		NGS		1	B	GOOD	BM TIE
G 468	FX2233		NGS		1	B	GOOD	BM TIE
WEATHER	DG9068		NGS	B	1	C	GOOD	BM TIE* (>25KM)
VA GLOUCESTER PT CORS ARP	DJ5202	CORS	NGS	CORS	CORS			CORS TIE

* An additional receiver will be utilized for data collection as a supplemental bench mark tie.

PROPOSED SURVEY PLAN:

We will set new monumentation SFQ A as a PACS and SFQ B as a SACS. In addition we will establish J324 RESET 1983 as the additional SACS. SFQ A will be a stainless steel rod mark. SFQ B will be a bench mark disk set in top of a concrete monument. Each mark will be constructed to the specifications of FAA Advisory Circular 150/5300-16A.

Positions for the PACS/SACS will be established according to the specifications of FAA Advisory Circular 150/5300-16A.

FIELD SURVEY METHODS:

GPS Observation Scheme (UTC):

Day 1

1400-2100 – Observe proposed PACS – SFQ A (1st CORS Tie)
1400-2100 – Observe PASCALE – (HARN Tie)
1400-1600 – Observe proposed SACS – SFQ B (1st SACS-SFQ B Tie)
1400-1600 – Observe proposed SACS – J 324 RESET 1983 (1st SACS – J 324 RESET 1983 Tie)
1700-2100 – Observe benchmark F 468 (1st Benchmark F 468 Tie)
1700-2100 – Observe benchmark G468 (1st Benchmark G468 Tie)
1700-2100 – Observe benchmark WEATHER (backup benchmark tie)

Day 2

1630-2030 – Observe proposed PACS – SFQ A (2nd CORS Tie)
1700-1900 – Observe proposed SACS – SFQ B (2nd SACS – SFQ B Tie)
1700-1900 – Observe proposed SACS – J324 RESET 1983 (2nd SACS – J 324 RESET 1983 Tie)

Session duration is fixed, start and end times are approximate depending on travel times, dates of survey, satellite status, weather conditions, airport logistics, etc.

Equipment:

We will be using Trimble R8 GNSS dual frequency, survey grade GPS receivers for performing the GPS observations on the survey detailed above. Each receiver has been updated to the latest firmware version (V3.82).

Manufacturer/Brand	Model Number	Serial Number
TRIMBLE	R8_GNSS	4639122441
TRIMBLE	R8_GNSS	4631120628
TRIMBLE	R8_GNSS	4639122509
TRIMBLE	R8_GNSS	4639122468
TRIMBLE	R8_GNSS	4631120635

Photos and Forms:

Digital photographs will be taken, formatted and named as required by the AC and will be provided in the final project submission.

Standard FAA GPS Observation logs will be completed for each occupation of a station. A digital scan of these forms will be included in the final project submission.

OFFICE SURVEY METHODS:

All data processing will be done using the latest version of PAGE-NT, ADJUST and UTILITIES, GEOID, and WINDESC available from the NGS website. The NGS website will be visited and required software downloaded and installed just prior to the processing of the data.

All final data and the Final Report as detailed in the AC will be generated and processed by NGS.

QUALITY CONTROL MEASURES

Field:

Fixed height tripods will be checked for good working order and bubble levels will be calibrated prior to movement to the field.

Tripods will be checked for plumb at start, during and end of each observing session.

Tripods will be secured with sand bags if conditions warrant.

Internal storage for static observations will be emptied from receivers to prevent overcapacity and potential loss of data prior to movement to the field.

Standard FAA GPS observation log sheets will be completed for each occupation of a station.

Station photos, descriptions, and visibility diagrams not included in this plan will be performed at time of survey and submitted with the final report.

Field forms will be checked for accuracy and completeness and all manual computations will be checked and initialed. Manual data computer entries will be checked. Final project data will be submitted in NGS Bluebook format or in the appropriate format specified in the AC-16A. The check of file formats of deliverable B-file, G-file and D-file will be achieved through comprehensive review of the files and by utilizing NGS bluebook file checking programs and Windesc program checking tools. All reports and deliverable data will be checked for accuracy and completeness.

Office:

All field measurements will be downloaded daily from the data collector (internal R8 static storage) to a field computer.

A backup copy of the downloaded data will be placed on the office server.

Field measurements recorded on the observation forms such as antenna height and station name will be checked against data retrieved from the data collector (internal R8 static storage).

Raw data will be archived and a copy of that data will be used for processing and adjustment.

All manual data entries on field forms and computer entry will be checked and initialed. A check of all file formats will be completed. A check of all reports for completeness will be executed prior to final report submittal.

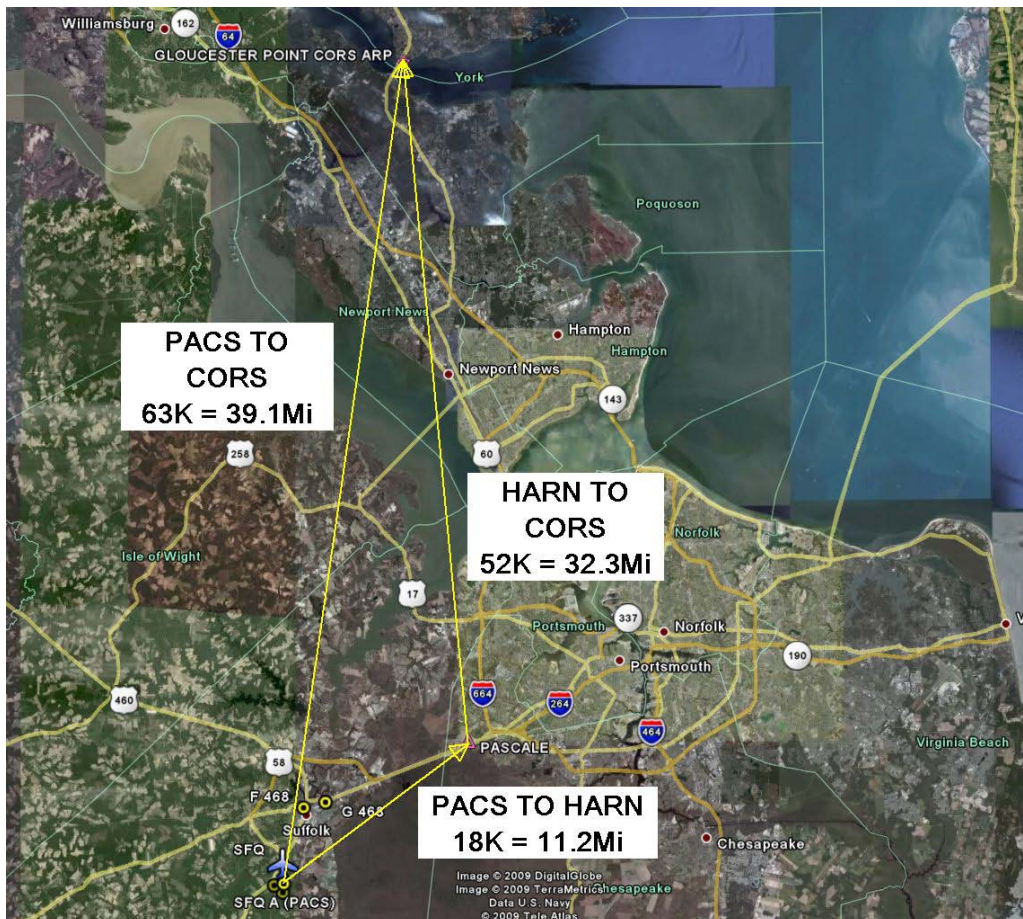
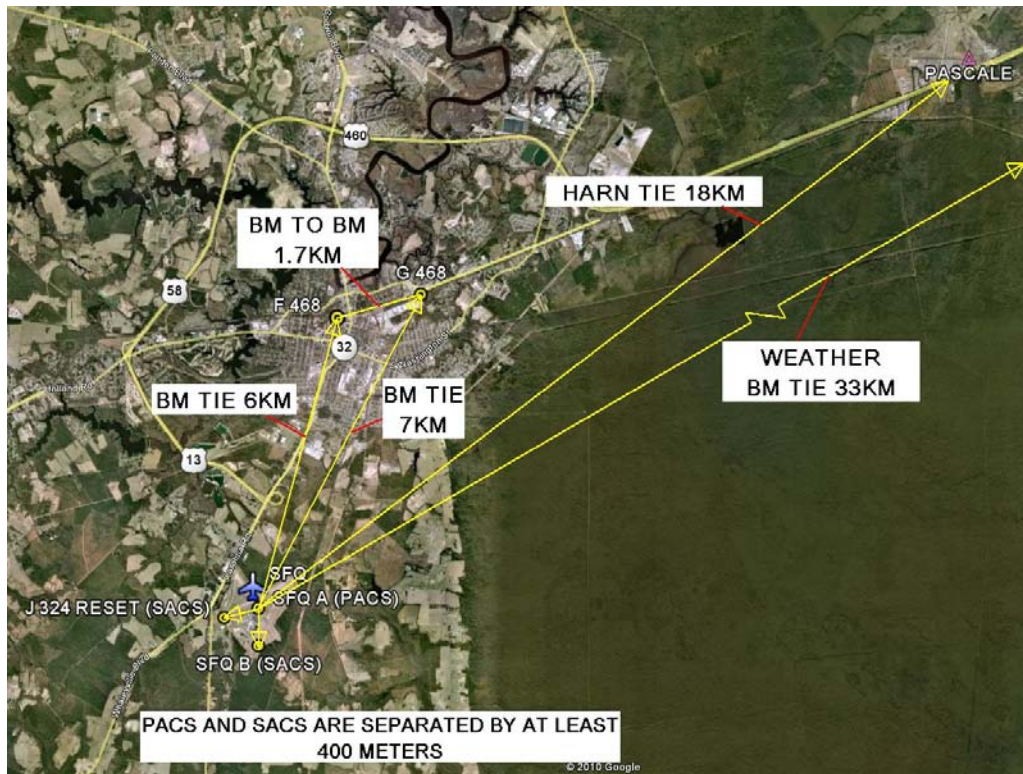
SCHEDULE:

Estimated Start Date: 3/2/09

Estimated Completion Date: 3/27/09



AIRPORT CONTROL PLOT





Federal Aviation
Administration

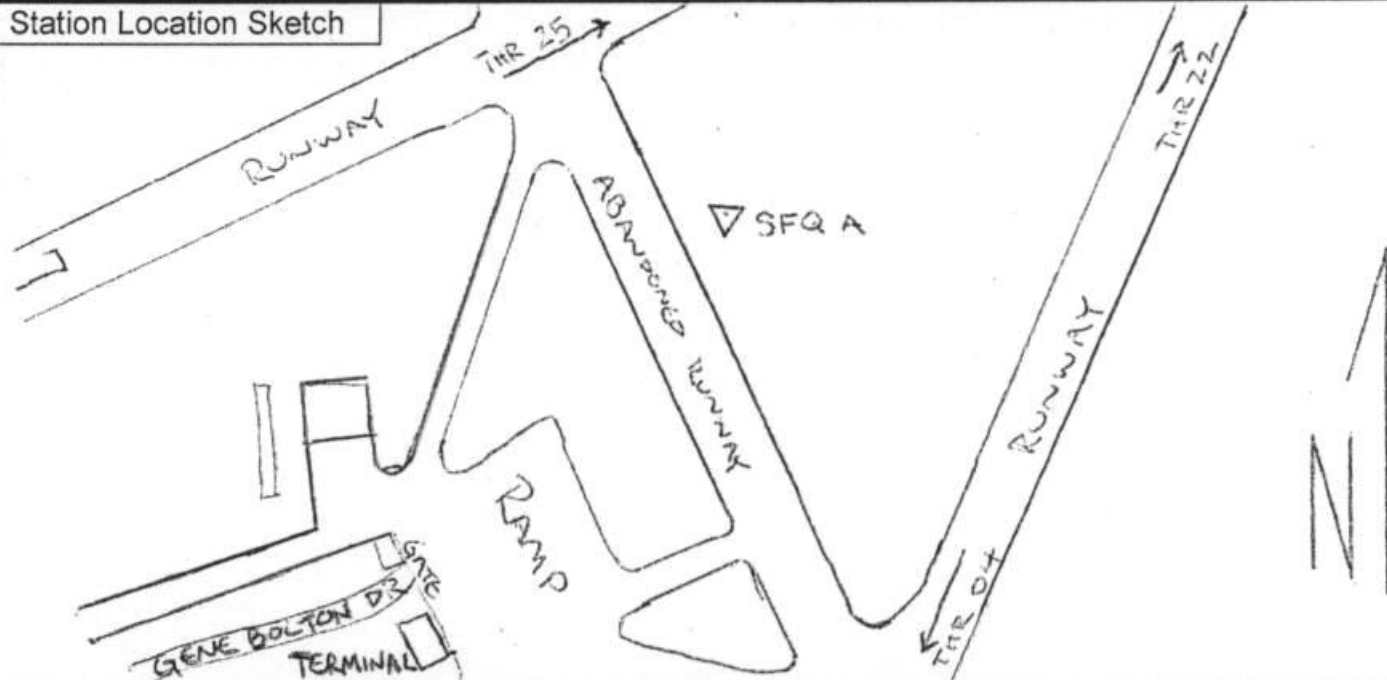
Airport Surveying-GIS Program

Station Location Sketch and Visibility Diagram

Airport Name or Location Name: SUFFOLK EXECUTIVE AIRPORT

Station Designation <u>SFQ A</u>	Permanent Identifier (PID)	Airport Location Identifier <u>SFQ</u>	Date <u>12/15/08</u>
<input checked="" type="checkbox"/> PACS	<input type="checkbox"/> SACS	<input type="checkbox"/> TSM	<input type="checkbox"/> BM
<input type="checkbox"/> Other (specify):	<input type="checkbox"/> FBN	<input type="checkbox"/> CBN	Organization: <u>NGS</u>

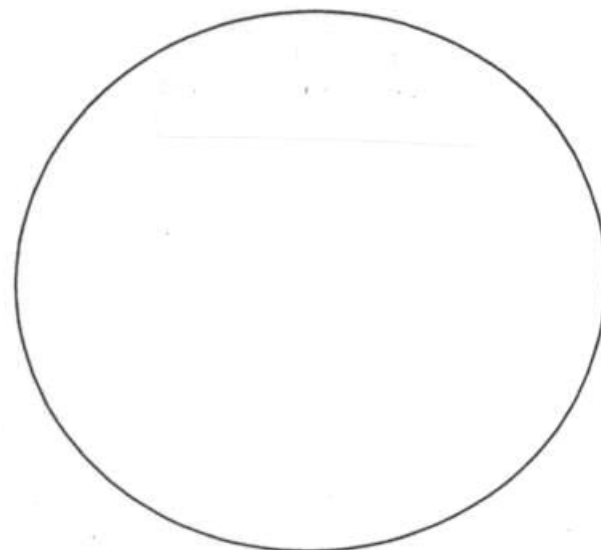
Station Location Sketch



Monument Information

Monument Stability Quality			
<input type="checkbox"/> A Most Stable	<input checked="" type="checkbox"/> B Excellent	<input type="checkbox"/> C Good	
<input type="checkbox"/> D Poor			
Monument is		Disk is set	
<input type="checkbox"/> Recessed	cm	<input type="checkbox"/> in bedrock	
<input checked="" type="checkbox"/> Flush with ground		<input type="checkbox"/> in concrete	
<input type="checkbox"/> Projecting	cm	<input type="checkbox"/> In structure	

Sketch of Disk



General Station Location (describe the general location include airline distances to three towns or mapped features): The station is located

25.40 MI SOUTH OF NEWPORT NEWS; 20.32 MI WEST OF CHESAPEAKE; 3.4 MI SW OF SUFFOLK AT THE SUFFOLK EXECUTIVE AIRPORT; EAST OF AN ABANDONED RUNWAY; SOUTH OF Rwy 7-25; NORTH OF RUNWAY 4-22

Paperwork Reduction Act Statement: This form is used to document source information about an airport or aeronautical facility which is part of the National Airspace System (NAS). This information is used to document airport data relating to the safety, security, or capacity of the national air transportation system. It is estimated that it will take approximately 5-80 hours to fill out the all of the necessary forms for a project depending on the complexity. No assurance of confidentiality is necessary or provided. It should be noted that an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection of information is 2120-0569. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC, 20591, Attn: Information Collections Clearance Officer, AIO-20.

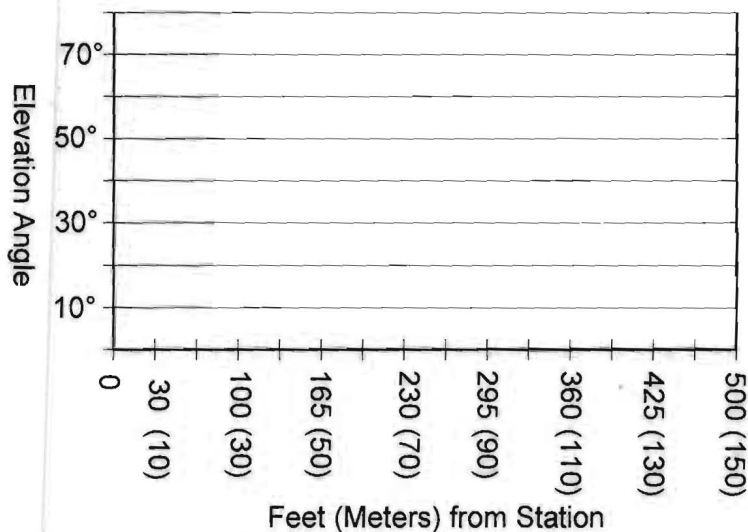
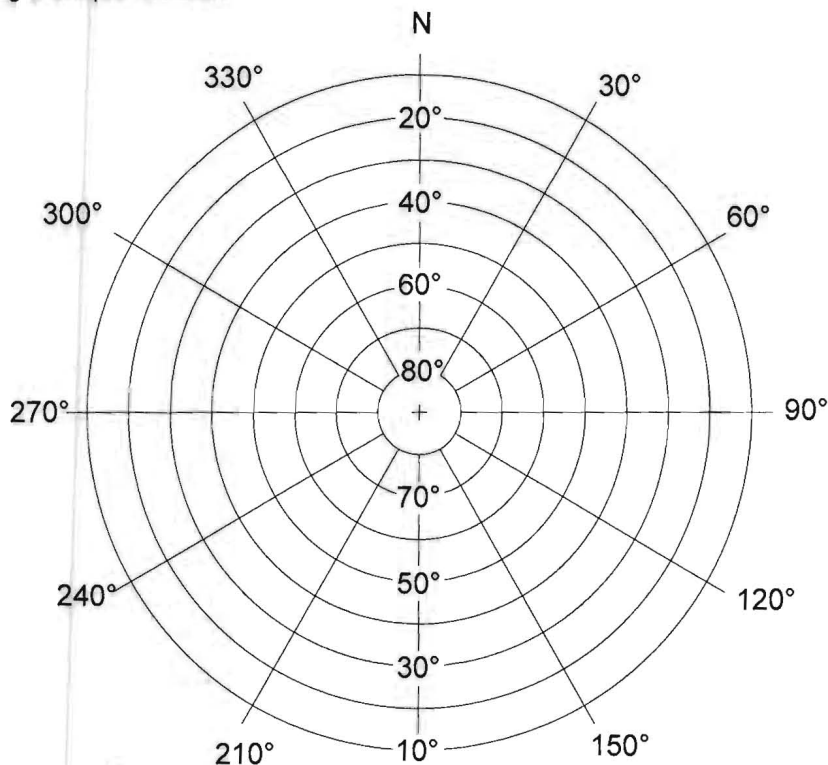
Land Ownership: <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private		Station Designation: <u>SEQA</u>
Land Owner Contact Information (optional)		
Land Owner Name <u>CITY OF SUFFOLK</u>		
Street Address <u>1200 GENE BOLTON DRIVE</u>		
City <u>SUFFOLK</u>		
State: <u>VA</u> Zip Code: <u>23434</u>		
Telephone Number <u>(757) 514-4411</u> Fax: <u>()</u>		
Email _____		
<p> To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark): <i>To reach the station from the intersection of SW SUFFOLK BYPASS / US-13 S / US-58 AND CAROLINA RD US-13 / VA-32 GO SW 1.5 MI ON CAROLINA RD US-13 / VA-32 TO AIRPORT RD. GO SE 0.3 MI ON AIRPORT RD TO GENE BOLTON DR. GO EAST ON GENE BOLTON DRIVE TO SUFFOLK EXECUTIVE AIRPORT. CONTACT AIRPORT MANAGER KENT MARSHALL @ (757) 514-4411 TO GAIN ACCESS TO THE RAMP VIA A GATE SW OF THE TERMINAL BUILDING. FROM THE GATE, GO NE TO THE RAMP. GO SE 212 FT TO A TAXIWAY LEADING TO AN ABANDONED RUNWAY. GO NE 0.13 MI TO THE ABANDONED RUNWAY VIA THE ABANDONED TAXIWAY. GO NNW 0.14 MILES TO THE STATION NE OF THE ABANDONED RUNWAY IN THE GRASSY AREA</i> </p>		
<p> Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): <i>The station is NEAR THE CENTER OF THE AIRPORT, NE OF AN ABANDONED RUNWAY. 119.7 m (392.7 FT) SW OF THE SOUTH CORNER OF A FENCE SURROUNDING A WEATHER STATION. 64.5 m (211.6 FT) SOUTH OF THE CENTER OF A TRUCK ROAD LEADING TO THE WEATHER STATION. 6.8 m (22.3 FT) NE OF THE CENTER OF A 4' X 4' FOOT CONCRETE ABANDONED RUNWAY LIGHT PAD.</i> </p>		

Station Visibility Obstruction Diagram

Station Designation: SFQ A

☒ Check if no obstructions above 10°

Using the plan and profile views below, identify potential obstructions to satellite visibility at the station. In the plan view use a horizontal line to indicate the azimuth. Place the center of the line at the elevation angle of the obstruction above the horizon. In the profile view use a vertical line to indicate the distance the obstructions is from the station. Extend the line up to the appropriate elevation angle. Identify each obstruction using a unique number.



County:

Agency or Company: NGS

Agency or Company Telephone Number:

Reconnaissance By: K. JORDAN

Height above mark (meters): 2.0 m

(757) 441 - 5460



Federal Aviation
Administration

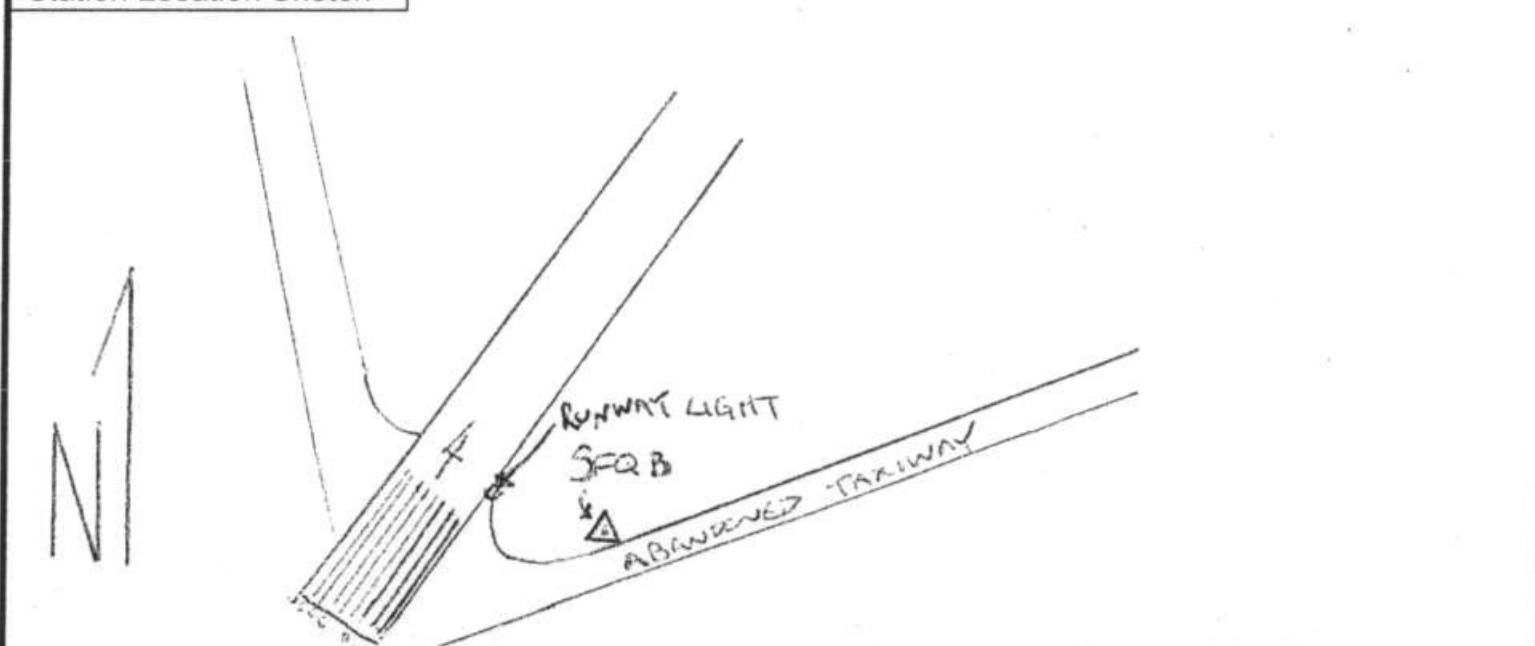
Airport Surveying-GIS Program

Station Location Sketch and Visibility Diagram

Airport Name or Location Name: SUFFOLK EXECUTIVE AIRPORT

Station Designation <u>SFQ B</u>	Permanent Identifier (PID)	Airport Location Identifier <u>SFQ</u>	Date <u>12/15/08</u>
<input type="checkbox"/> PACS <input checked="" type="checkbox"/> SACS <input type="checkbox"/> TSM <input type="checkbox"/> BM <input type="checkbox"/> FBN <input type="checkbox"/> CBN	Other (specify):		
Organization: <u>NGS</u>			

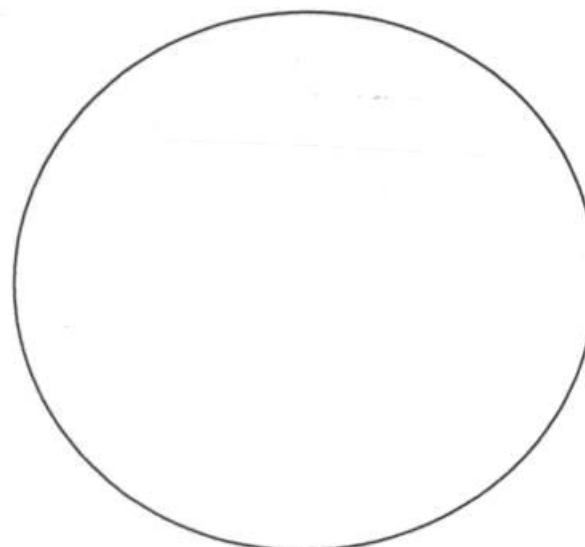
Station Location Sketch



Monument Information

<u>Monument Stability Quality</u>			
<input type="checkbox"/> A Most Stable	<input type="checkbox"/> B Excellent	<input checked="" type="checkbox"/> C Good	
<input type="checkbox"/> D Poor			
<u>Monument is</u>		<u>Disk is set</u>	
<input type="checkbox"/> Recessed	cm	<input type="checkbox"/> in bedrock	
<input checked="" type="checkbox"/> Flush with ground		<input checked="" type="checkbox"/> in concrete	
<input type="checkbox"/> Projecting	cm	<input type="checkbox"/> in structure	
<u>General Station Location</u> (describe the general location include airline distances to three towns or mapped features): <u>The station is located</u>			
<u>25.84 MI SOUTH OF NEWPORT NEWS</u>			
<u>20.37 MI WEST OF CHESAPEAKE</u>			
<u>3.8 MI SW OF SUFFOLK AT THE</u>			
<u>SUFFOLK EXECUTIVE AIRPORT SE OF</u>			
<u>THE 04 RUNWAY AND NW OF AN</u>			
<u>ABANDONED TAXIWAY</u>			

Sketch of Disk



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Station Designation: SEQR B

Land Ownership:

☒ Public

☐ Private

Land Owner Contact Information (optional)

Land Owner Name CITY OF SUFFOLK

Street Address 1200 GENE BOLTON DRIVE

City SUFFOLK

State: VA Zip Code: 23434

Telephone Number (757) 514 - 4411

Fax: () -

Email

To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark) : To reach the station from the intersection of SW SUFFOLK BYPASS / US-135 / US-58 AND CAROLINA RD US-13 / VA-32 GO SW 1.5MI ON CAROLINA RD US-13 / VA-32 TO AIRPORT RD. GO SE 0.3MI ON AIRPORT RD TO GENE BOLTON DRIVE. GO EAST ON GENE BOLTON DR TO SUFFOLK EXECUTIVE AIRPORT. CONTACT AIRPORT MANAGER KENT MARSHALL @ 757 514 4411 TO GAIN ACCESS TO THE RAMP VIA A GATE SW OF THE TERMINAL BUILDING. FROM THE GATE, GO NE TO THE RAMP. GO SE ON THE RAMP AND CONTINUE SSW ON THE RAMP TO A TAXIWAY LEADING TO RWY 04. GO SSE ON THE TAXIWAY AND ACROSS THE THRESHOLD OF RWY 04 TO AN ABANDONED TAXIWAY NE OF RWY 04. THE STATION IS IN THE GRASSY AREA NW OF THE ABANDONED TAXIWAY.

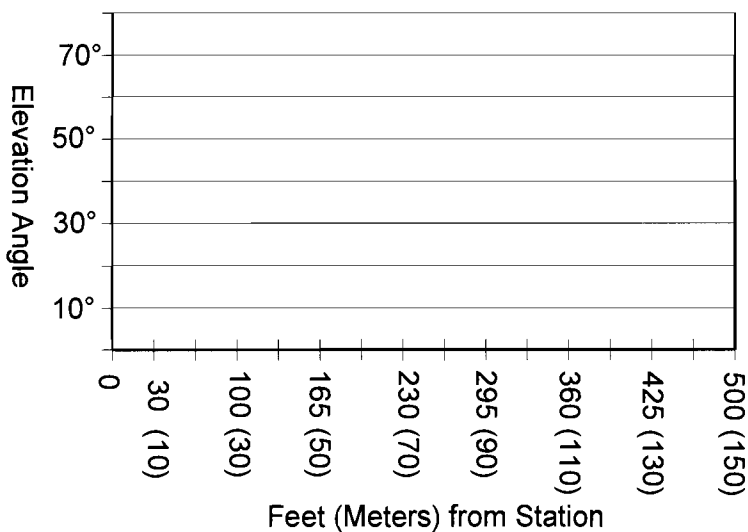
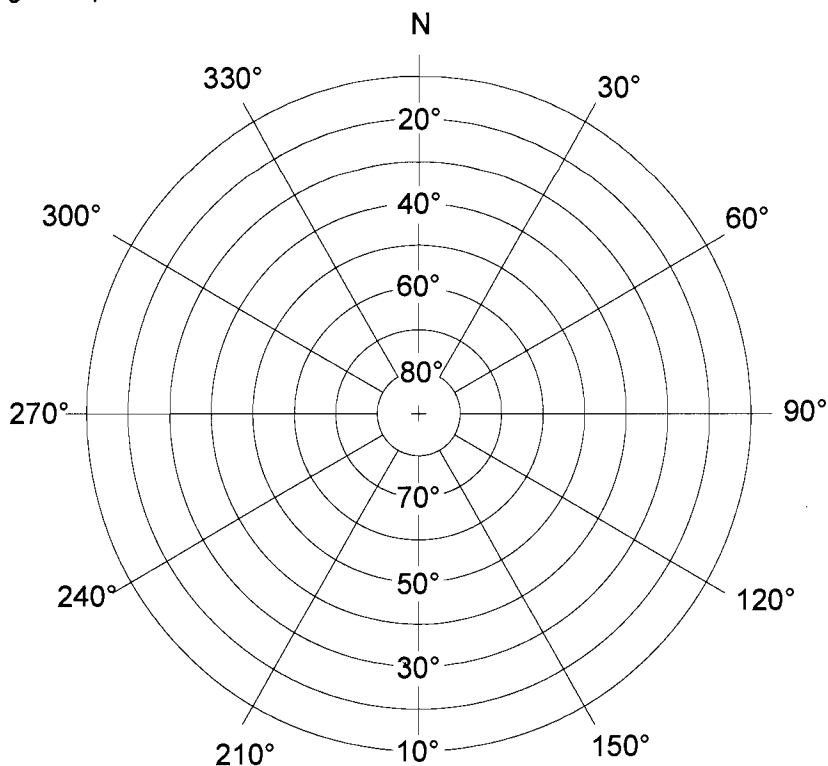
Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): The station is NEAR THE SOUTH END OF RWY 4, NW OF AN ABANDONED TAXIWAY. 45.7M (149.9FT) E OF THE 1ST RUNWAY LIGHT. 41.2M (135.2FT) SE OF THE SE EDGE OF THE RUNWAY. 10.5M (34.4FT) N OF THE CENTERLINE OF AN ABANDONED TAXIWAY

Station Visibility Obstruction Diagram

Station Designation: *SF & B*

☒ Check if no obstructions above 10°

Using the plan and profile views below, identify potential obstructions to satellite visibility at the station. In the plan view use a horizontal line to indicate the azimuth. Place the center of the line at the elevation angle of the obstruction above the horizon. In the profile view use a vertical line to indicate the distance the obstructions is from the station. Extend the line up to the appropriate elevation angle. Identify each obstruction using a unique number.



County:

Agency or Company:

Agency or Company Telephone Number:

Reconnaissance By: *K Jordan*

Height above mark (meters):

(757) 441

- 5460

m



Federal Aviation
Administration

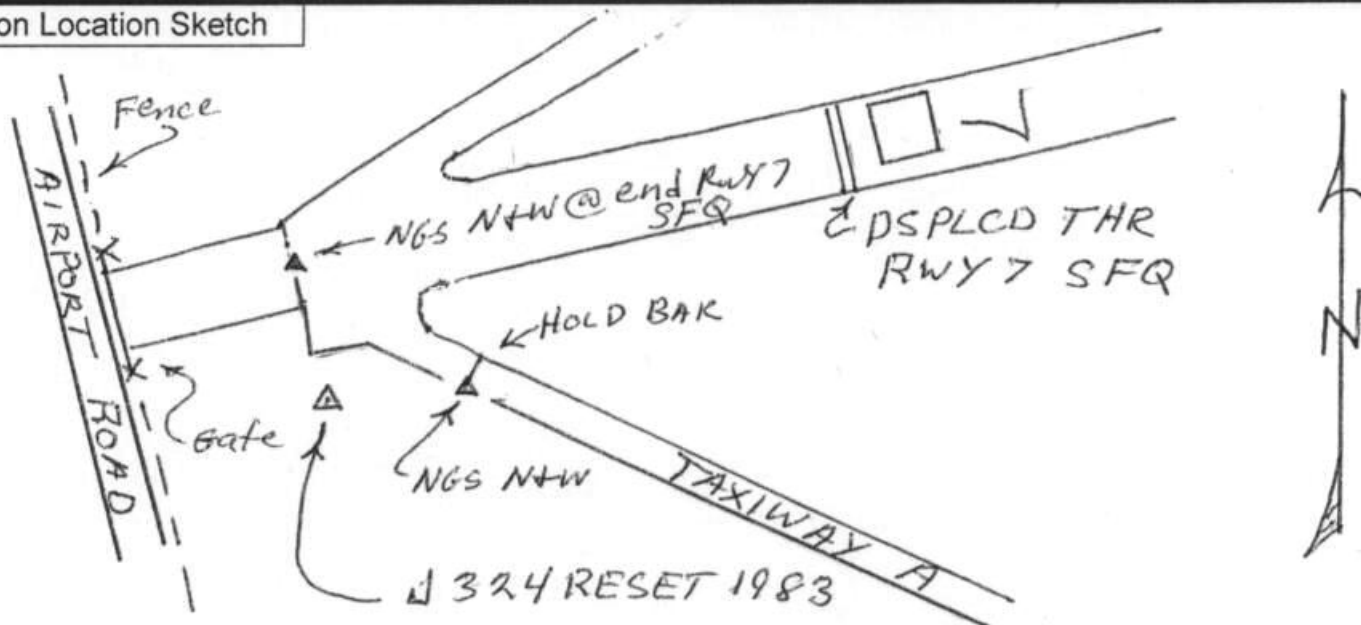
Airport Surveying-GIS Program

Station Location Sketch and Visibility Diagram

Airport Name or Location Name: SUFFOLK EXECUTIVE AIRPORT

Station Designation <u>J 324 RESET 1983</u>	Permanent Identifier (PID) <u>FX2630</u>	Airport Location Identifier <u>SFQ</u>	Date <u>12/15/08</u>
<input type="checkbox"/> PACS <input checked="" type="checkbox"/> SACS <input type="checkbox"/> TSM <input type="checkbox"/> BM <input type="checkbox"/> FBN <input type="checkbox"/> CBN	Other (specify): _____ Organization: <u>NGS</u>		

Station Location Sketch



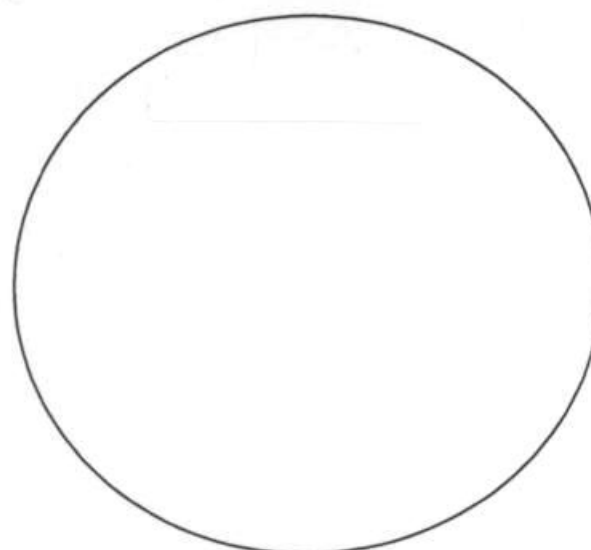
Monument Information

Monument Stability Quality			
<input type="checkbox"/> A Most Stable	<input type="checkbox"/> B Excellent	<input checked="" type="checkbox"/> C Good	
<input type="checkbox"/> D Poor			
Monument is		Disk is set	
<input type="checkbox"/> Recessed	cm	<input type="checkbox"/> in bedrock	
<input checked="" type="checkbox"/> Flush with ground	cm	<input checked="" type="checkbox"/> in concrete	
<input type="checkbox"/> Projecting	cm	<input type="checkbox"/> In structure	

General Station Location (describe the general location include airline distances to three towns or mapped features): The station is located

AT SUFFOLK EXECUTIVE AIRPORT 3.6 MI
SW OF SUFFOLK, 11.3 MI SW OF
PYG, 15.5 MI W OF CPK

Sketch of Disk



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Station Designation: J 324 REJECT 1983

Land Ownership:

☒ Public

☐ Private

Land Owner Contact Information (optional)

Land Owner Name CITY OF SUFFOLK

Street Address 1200 GENE BOLTON DRIVE

City SUFFOLK

State: VA

Zip Code: 23434

Telephone Number (757) 514 - 4411

Fax: () -

Email

NEW To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark): To reach the station from the intersection of

3.3 MI SW FROM SUFFOLK VA ON
SUFFOLK EXECUTIVE AIRPORT NEAR END OF
RWY 7-SFQ.

3.3 MILES SW ALONG US HWY 13 FROM RR XING
IN SUFFOLK to Jct AIRPORT RD.; TURN
LEFT ON AIRPORT ROAD, AND PROCEED 0.35 MI SE
TO RD LEFT LEADING to AIRPORT OFFICE. GO LEFT
0.3 MI EAST TO GATE ON E SIDE OF OFFICE;
PASS THROUGH GATE ONTO APRON + PROCEED 0.05 MI
NORTH to TAXIWAY A; TURN LEFT ON TAXIWAY A + GO
TO TAXIWAY A HOLD BAR FOR RWY 7-SFQ + MARK ON LEFT

Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): The station is

NEW DESCRIPTION

125.5 FT SE OF NGS PK Nail + WASHER "existing"
@ CL END RWY 7-SFQ

141.3 FT WNW OF NGS PK Nail + WASHER
@ SW END OF HOLD BAR ON TAXIWAY A
@ Jct END RWY 7-SFQ + TAXIWAY A

228 FT E of chain LINK Fence Gate, which is
199 FT SW of CL END RWY 7-SFQ
80 FT SE OF SE EDGE OF RWY 7-SFQ

FX 2636

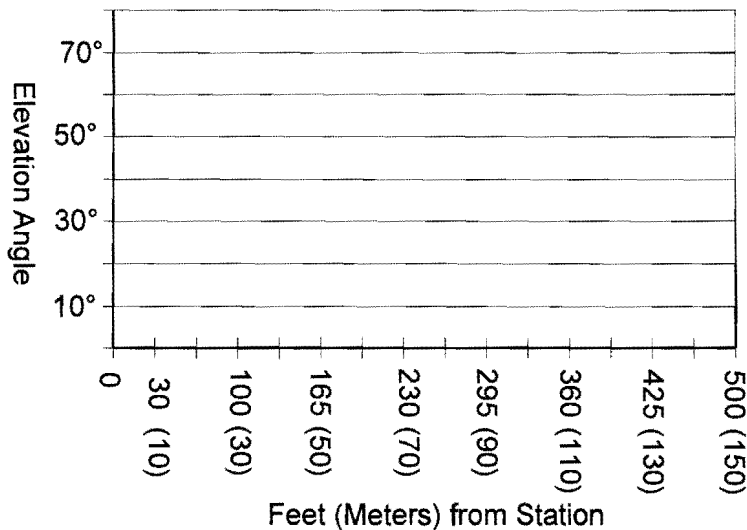
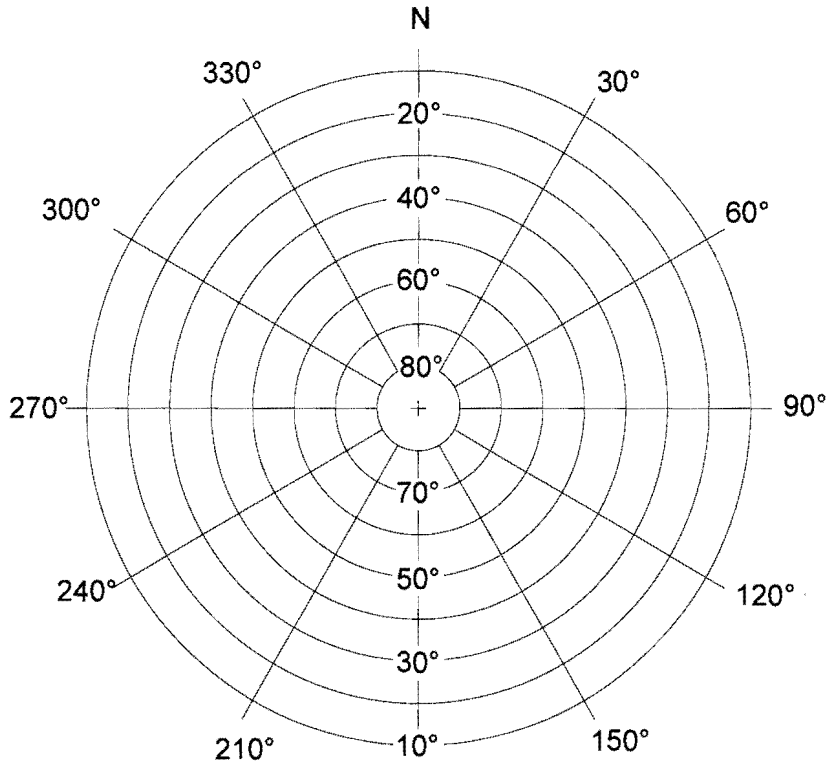
Station Visibility Obstruction Diagram

Station Designation: J 324 RESET

1983

☒ Check if no obstructions above 10°

Using the plan and profile views below, identify potential obstructions to satellite visibility at the station. In the plan view use a horizontal line to indicate the azimuth. Place the center of the line at the elevation angle of the obstruction above the horizon. In the profile view use a vertical line to indicate the distance the obstructions is from the station. Extend the line up to the appropriate elevation angle. Identify each obstruction using a unique number.



County:

Agency or Company: NGS

Agency or Company Telephone Number:

Reconnaissance By: GNOTTAGE

Height above mark (meters): m

(757) 441 5460



**Federal Aviation
Administration**

Airport Surveying-GIS Program

Survey Station Description and Recovery Form

Station Designation <i>J 324 RESET 1983</i>		4 Char Identifier		State <i>VA</i>		City County <i>Suffolk</i>	
Permanent Record Identifier (from NSRS) <i>FX 2636</i>			Elevation			Country	
			Feet <i>69.5</i>	Meters <i>21.17</i>			
Latitude N <i>36° 40' 48"</i>		Longitude W <i>76° 36' 36"</i>					
Original Description (Check one) <input type="checkbox"/> Preliminary (mark has not been set yet) <input type="checkbox"/> A newly set mark <input checked="" type="checkbox"/> A recovered mark Established by: Chief of Party (initials) Date: / / :				Recovery Description (Check one) <input type="checkbox"/> Full description of a station not NSRS <input type="checkbox"/> Full description of a station in NSRS <input type="checkbox"/> Partial description of a station not NSRS Established by: Chief of Party (initials) Date: / / :			
Monument Stability (Check one) <input type="checkbox"/> A Of the most reliable nature; expected to hold well <input checked="" type="checkbox"/> B Will probably hold position and elevation well <input type="checkbox"/> C May hold well, but subject to ground movement <input type="checkbox"/> D Of questionable or unknown reliability				Recovery Condition (Check one) <input checked="" type="checkbox"/> G Recovered in good condition <input type="checkbox"/> N Not recovered or not found <input type="checkbox"/> P Poor, disturbed, or mutilated <input type="checkbox"/> X Surface mark known destroyed			
Setting Information							
Marker Type <input type="checkbox"/> Rod <input checked="" type="checkbox"/> Disk <input type="checkbox"/> Other:		Setting Type <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other:		Agency Inscription <input type="checkbox"/> NGS <input checked="" type="checkbox"/> CGS <input type="checkbox"/> Other:			
Rod Depth ft. m Sleeve Depth ft. m		Stamping: <i>J 324 RESET 1983</i> Agency Inscription: Monument is: <input checked="" type="checkbox"/> Flush cm <input type="checkbox"/> Projecting cm <input type="checkbox"/> Recessed cm					

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Special Type (Check all applicable)	Transportation (Check one)
<input type="checkbox"/> F Fault monitoring site <input type="checkbox"/> T Tidal station <input type="checkbox"/> Control Station (FBN/CBN/Benchmark) <input checked="" type="checkbox"/> Airport Control Station (PACS/SACS) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Mark suitable for GPS use?	<input checked="" type="checkbox"/> C Car <input type="checkbox"/> P Light Truck, (pickup, carry-all etc.) <input type="checkbox"/> X Four wheel drive vehicle required <input type="checkbox"/> Other: <input type="checkbox"/> Yes <input type="checkbox"/> No Pack Time?
General Station Location (describe the general location include airline distances to three towns or mapped features): The station is located <div style="font-family: cursive; font-size: 1.2em;"> 3.3 MI SW FROM SUFFOLK VA ON SUFFOLK EXECUTIVE AIRPORT NEAR THE END OF RWY 7-SFQ </div>	
To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark): To reach the station from the intersection of <div style="font-family: cursive; font-size: 1.2em;"> 3.3 MILES SW ALONG US HWY 8 FROM RAILROAD CROSSING IN SUFFOLK VA, TO JET AIRPORT; TURN LEFT ON AIRPORT ROAD AND PROCEED 0.35 MILES SE TO rd LEFT LEADING TO AIRPORT OFFICE; GO LEFT 0.3 MI EAST TO GATE ON E SIDE (RIGHT) OF OFFICE/Terminal Bldg & PASS THRU GATE ONTO APRON; TAKE A LEFT IMMEDIATELY & PROCEED 0.05 MI NORTH TO TAXIWAY A; TURN LEFT ON TAXIWAY A & PROCEED PAST HANGARS TO HOLD BAR RWY 7-SFQ & </div>	
Monument Description and Measurements (provide at least three (3) measurements to permanent, MARK identifiable nearby objects and a description of the monument size, shape, height etc.): The station is ON <div style="font-family: cursive; font-size: 1.2em;"> 125.5 FT SE OF NGS PK Nail + washer (existing) @ LEFT & end RWY 7-SFQ 141.3 FT WNW OF NGS PK Nail + washer @ SW end OF TAXIWAY A Hold bar FOR RWY 7-SFQ 228 FT E & chain link Fence gate which is 199 FT SW of & END RWY 7-SFQ 80 FT SE of SE EDGE RWY 7-SFQ </div>	



**Federal Aviation
Administration**

Airport Surveying-GIS Program

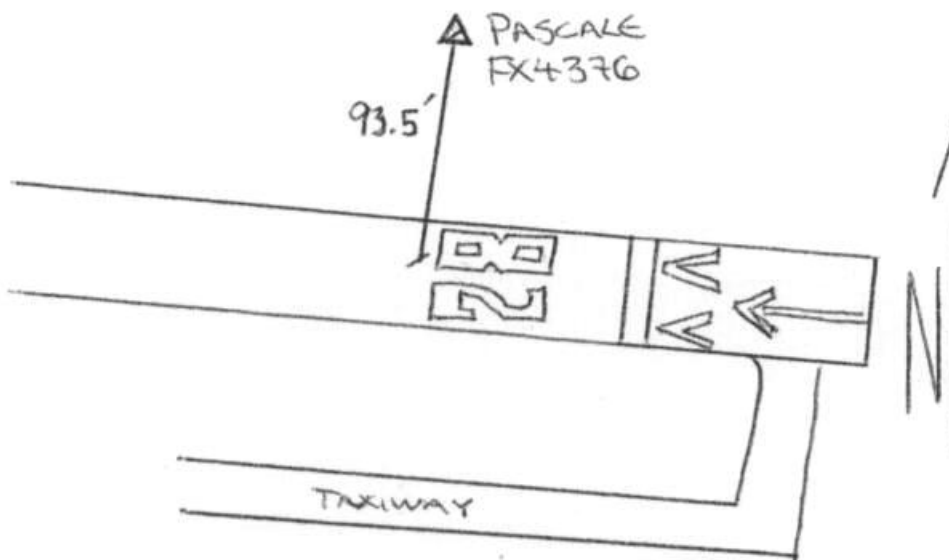
Station Location Sketch and Visibility Diagram

Airport Name or Location Name: HAMPTON ROADS EXECUTIVE AIRPORT

Station Designation PASCALE	Permanent Identifier (PID) FX4376	Airport Location Identifier PVG	Date 12/15/08
---------------------------------------	---------------------------------------------	-------------------------------------------	-------------------------

<input type="checkbox"/> PACS	<input type="checkbox"/> SACS	<input type="checkbox"/> TSM	<input type="checkbox"/> BM	<input type="checkbox"/> FBN	<input checked="" type="checkbox"/> CBN
Other (specify):			Organization: NGS		

Station Location Sketch



Monument Information

Monument Stability Quality

☐ A Most Stable ☐ B Excellent ☒ C Good
☐ D Poor

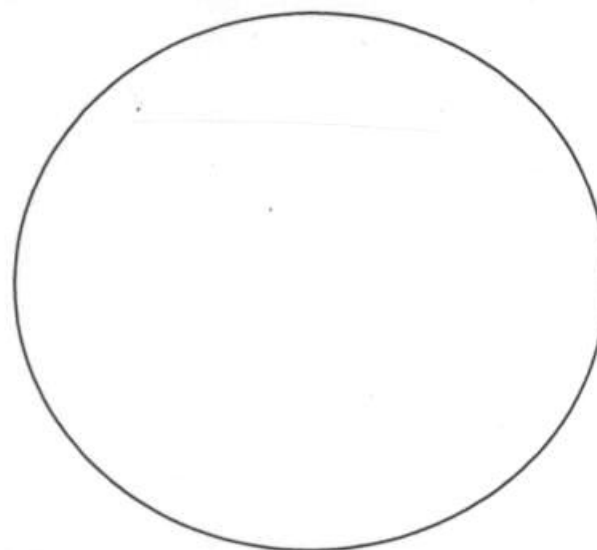
Monument is ☐ Recessed cm ☐ in bedrock
☒ Flush with ground ☒ in concrete
☐ Projecting cm ☐ In structure

Disk is set

General Station Location (describe the general location include airline distances to three towns or mapped features): The station is located

8.0 MI NE OF SUFFOLK

Sketch of Disk



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Station Designation: PASCALÉ

Land Ownership: ☒ Public ☐ Private

Land Owner Contact Information (optional)

Land Owner Name

Street Address

City

State:

Zip Code:

Telephone Number () - Fax: () -

Email

To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark) : *To reach the station from the intersection of*

SEE DATASHEET

Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): *The station is*

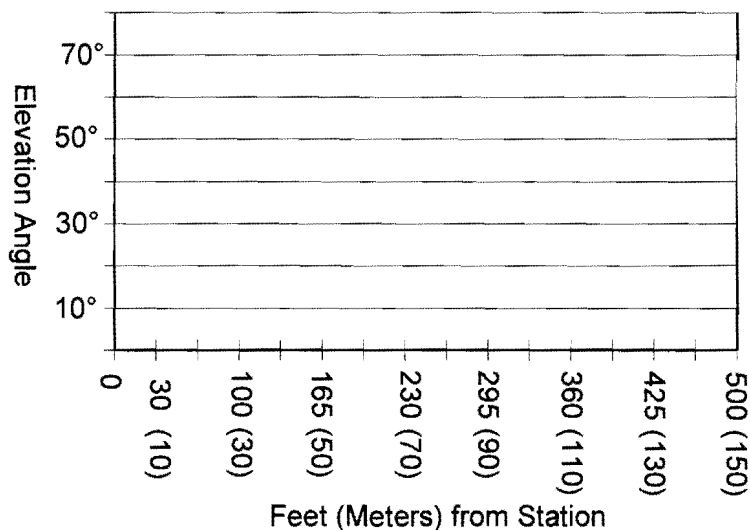
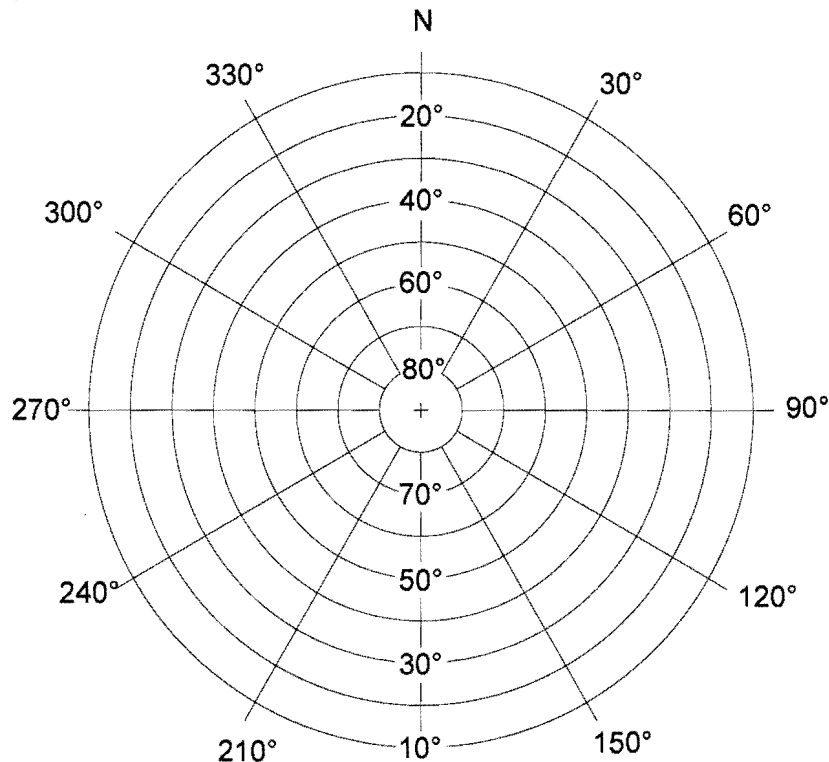
SEE DATASHEET

Station Visibility Obstruction Diagram

Station Designation: PASCAL

☒ Check if no obstructions above 10°

Using the plan and profile views below, identify potential obstructions to satellite visibility at the station. In the plan view use a horizontal line to indicate the azimuth. Place the center of the line at the elevation angle of the obstruction above the horizon. In the profile view use a vertical line to indicate the distance the obstructions is from the station. Extend the line up to the appropriate elevation angle. Identify each obstruction using a unique number.



County:

Agency or Company: NGS

Agency or Company Telephone Number:

Reconnaissance By: KEVIN JORDAN

Height above mark (meters): 2.0 m

(757) 441 - 5460



**Federal Aviation
Administration**

Airport Surveying-GIS Program

Survey Station Description and Recovery Form

Station Designation PASCAL		4 Char Identifier		State VIRGINIA		CITY S		County	
Permanent Record Identifier (from NSRS) FX4376				Elevation		Country			
				Feet		Meters			
Latitude N 36° 46' 45"		Longitude W 76° 26' 35"							
Original Description (Check one) <input type="checkbox"/> Preliminary (mark has not been set yet) <input type="checkbox"/> A newly set mark <input checked="" type="checkbox"/> A recovered mark Established by: Chief of Party (initials) Date: / / :					Recovery Description (Check one) <input type="checkbox"/> Full description of a station not NSRS <input checked="" type="checkbox"/> Full description of a station in NSRS <input type="checkbox"/> Partial description of a station not NSRS Established by: Chief of Party (initials) Date: / / :				
Monument Stability (Check one) <input type="checkbox"/> A Of the most reliable nature; expected to hold well <input type="checkbox"/> B Will probably hold position and elevation well <input checked="" type="checkbox"/> C May hold well, but subject to ground movement <input type="checkbox"/> D Of questionable or unknown reliability					Recovery Condition (Check one) <input checked="" type="checkbox"/> G Recovered in good condition <input type="checkbox"/> N Not recovered or not found <input type="checkbox"/> P Poor, disturbed, or mutilated <input type="checkbox"/> X Surface mark known destroyed				
Setting Information									
Marker Type <input type="checkbox"/> Rod <input checked="" type="checkbox"/> Disk <input type="checkbox"/> Other:			Setting Type <input type="checkbox"/> Bedrock <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other:			Agency Inscription <input checked="" type="checkbox"/> NGS <input type="checkbox"/> CGS <input type="checkbox"/> Other:			
Rod Depth ft. m Sleeve Depth ft. m			Stamping: Agency Inscription: Monument is: <input checked="" type="checkbox"/> Flush cm <input type="checkbox"/> Projecting cm <input type="checkbox"/> Recessed cm						

Paperwork Reduction Act Statement: This form is used to document source information about an airport or aeronautical facility which is part of the National Airspace System (NAS). This information is used to document airport data relating to the safety, security, or capacity of the national air transportation system. It is estimated that it will take approximately 5-80 hours to fill out the all of the necessary forms for a project depending on the complexity. No assurance of confidentiality is necessary or provided. It should be noted that an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection of information is 2120-0569. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC, 20591, Attn: Information Collections Clearance Officer, AIO-20.

<p style="text-align: center;">Special Type (Check all applicable)</p> <div style="display: flex; flex-direction: column; gap: 5px;"> <div><input type="checkbox"/> F Fault monitoring site</div> <div><input type="checkbox"/> T Tidal station</div> <div><input checked="" type="checkbox"/> Control Station (FBN/CBN/Benchmark)</div> <div><input type="checkbox"/> Airport Control Station (PACS/SACS)</div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Mark suitable for GPS use? </div>	<p style="text-align: center;">Transportation (Check one)</p> <div style="display: flex; flex-direction: column; gap: 5px;"> <div><input checked="" type="checkbox"/> C Car</div> <div><input type="checkbox"/> P Light Truck, (pickup, carry-all etc.)</div> <div><input type="checkbox"/> X Four wheel drive vehicle required</div> </div> <p style="margin-top: 5px;">Other: _____</p> <div style="display: flex; align-items: center; margin-top: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No Pack Time? </div>
<p>General Station Location (describe the general location include airline distances to three towns or mapped features): <i>The station is located</i></p> <p style="text-align: center; font-size: 1.2em; margin-top: 20px;"><i>SEE DATASHEET</i></p>	
<p>To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark) : <i>To reach the station from the intersection of</i></p> <p style="text-align: center; font-size: 1.2em; margin-top: 20px;"><i>SEE DATASHEET</i></p>	
<p>Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): <i>The station is</i></p> <p style="text-align: center; font-size: 1.2em; margin-top: 20px;"><i>SEE DATASHEET</i></p>	



**Federal Aviation
Administration**

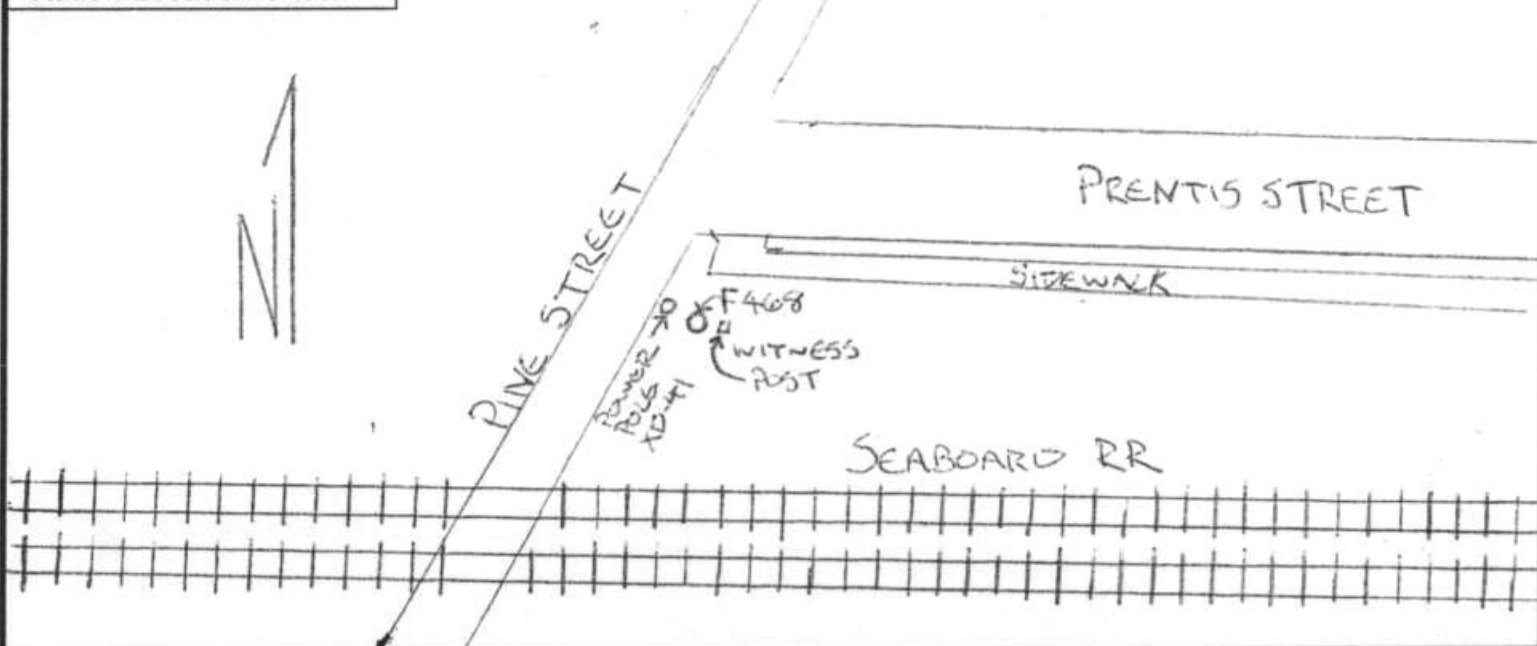
Airport Surveying-GIS Program

Station Location Sketch and Visibility Diagram

Airport Name or Location Name: CITY OF SUFFOLK

Station Designation <u>F 468</u>	Permanent Identifier (PID) <u>FX2236</u>	Airport Location Identifier	Date <u>12/15/08</u>
<input type="checkbox"/> PACS	<input type="checkbox"/> SACS	<input type="checkbox"/> TSM	<input checked="" type="checkbox"/> BM
<input type="checkbox"/> Other (specify):		<input type="checkbox"/> FBN	<input type="checkbox"/> CBN
Organization: <u>NGS</u>			

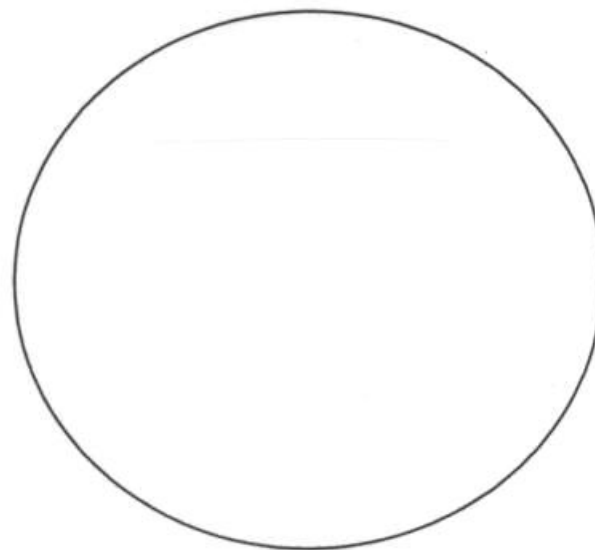
Station Location Sketch



Monument Information

<u>Monument Stability Quality</u>	
<input type="checkbox"/> A Most Stable	<input checked="" type="checkbox"/> B Excellent
<input type="checkbox"/> D Poor	<input type="checkbox"/> C Good
<u>Monument is</u>	
<input checked="" type="checkbox"/> Recessed 45 cm	<input type="checkbox"/> in bedrock
<input type="checkbox"/> Flush with ground	<input type="checkbox"/> in concrete
<input type="checkbox"/> Projecting	<input type="checkbox"/> In structure
<u>General Station Location</u> (describe the general location include airline distances to three towns or mapped features): <u>The station is located</u>	
<u>0.2 MI W OF SUFFOLK</u>	
<u>3.65 MI NNE OF SFC</u>	
<u>8.19 MI SW OF PVG</u>	

Sketch of Disk



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Station Designation: F 468

Land Ownership:

☒ Public

☐ Private

Land Owner Contact Information (optional)

Land Owner Name CITY OF SUFFOLK

Street Address

City SUFFOLK

State: VA Zip Code:

Telephone Number () -

Fax: () -

Email

To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark): To reach the station from the intersection of CONSTANCE RD AND N MAIN ST, TURN SOUTH ON MAIN ST AND GO 0.28 MI TO THE INTERSECTION OF PINNER ST AND N MAIN ST. TURN RIGHT AT PINNER ST AND CONTINUE WEST FOR 0.16 MILES TO THE INTERSECTION OF PINE ST AND PINNER ST. STATION IS SW OF THE INTERSECTION OF PINE ST AND PINNER ST IN THE GRASSY AREA.

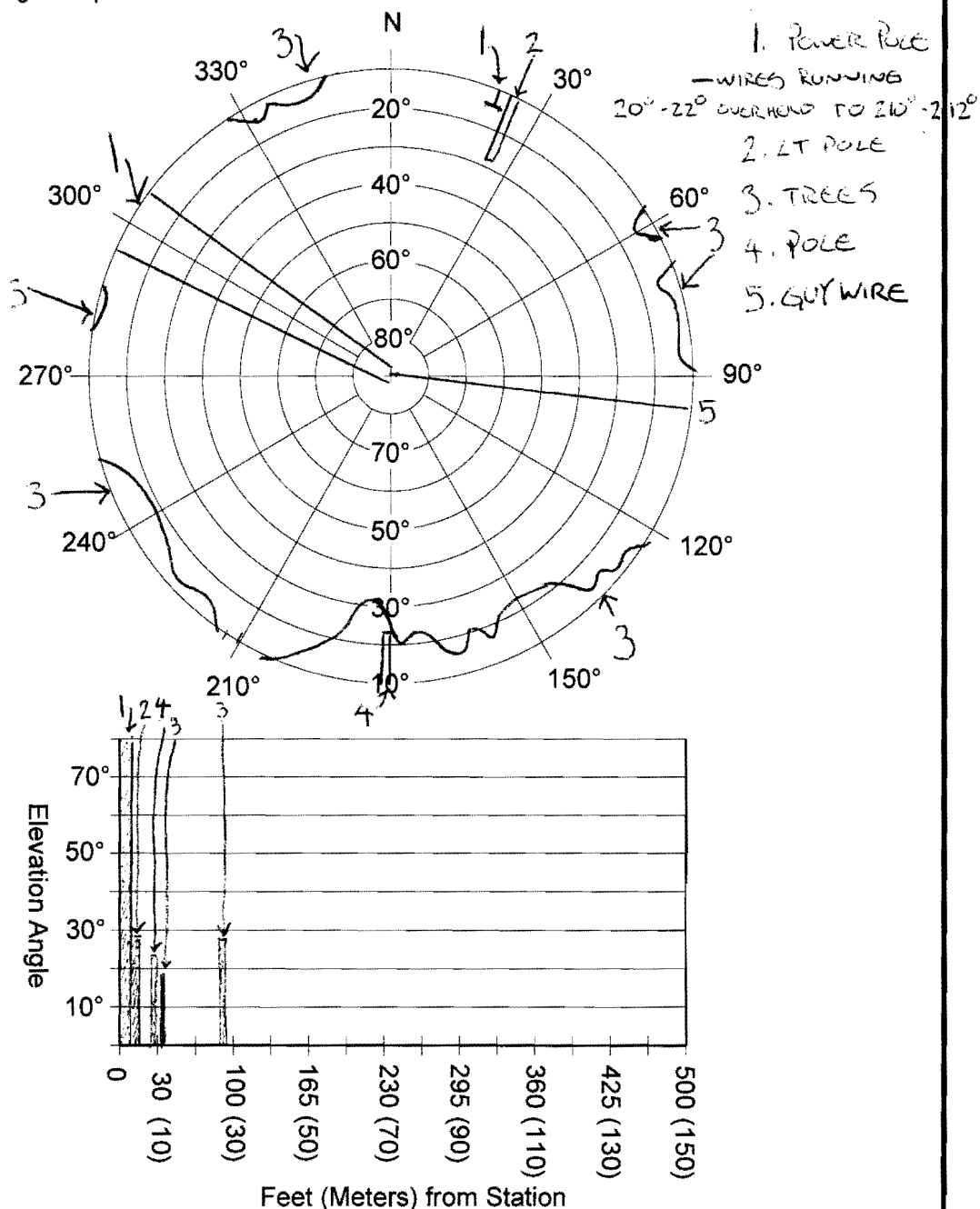
Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): The station is 49 FT (14.9 m) SW OF THE 96 PRENTIS STREET. 22' (6.7 m) NE OF THE 96 PINE STREET. 54' NE OF THE NORTHERNMOST RAIL OF RAILWAY. 17' (5.2 m) SW OF THE SW CORNER OF A SIDEWALK APRON. 3' (0.9 m) E OF A POWER POLE MARKED XD-41. 1' (0.3 m) WEST OF A WITNESS POST. THE MARK IS RECESSED 45 CM BELOW GROUND LEVEL.

Station Visibility Obstruction Diagram

Station Designation: F468

☐ Check if no obstructions above 10°

Using the plan and profile views below, identify potential obstructions to satellite visibility at the station. In the plan view use a horizontal line to indicate the azimuth. Place the center of the line at the elevation angle of the obstruction above the horizon. In the profile view use a vertical line to indicate the distance the obstructions is from the station. Extend the line up to the appropriate elevation angle. Identify each obstruction using a unique number.



County:

Agency or Company: NGS

Agency or Company Telephone Number:

Reconnaissance By: K. Jordan

Height above mark (meters): 2 m

(757) 441-5460



**Federal Aviation
Administration**

Airport Surveying-GIS Program

Survey Station Description and Recovery Form

Station Designation F 468	4 Char Identifier	State VIRGINIA	City County SUFFOLK
Permanent Record Identifier (from NSRS) FX2236	Elevation		Country
	Feet 33.09	Meters 10.096	
Latitude N 36° 44' 02"		Longitude W 76° 35' 05"	
Original Description (Check one) <input type="checkbox"/> Preliminary (mark has not been set yet) <input type="checkbox"/> A newly set mark <input checked="" type="checkbox"/> A recovered mark Established by: Chief of Party (initials) Date: / / :		Recovery Description (Check one) <input type="checkbox"/> Full description of a station not NSRS <input checked="" type="checkbox"/> Full description of a station in NSRS <input type="checkbox"/> Partial description of a station not NSRS Established by: Chief of Party (initials) Date: / / :	
Monument Stability (Check one) <input type="checkbox"/> A Of the most reliable nature; expected to hold well <input checked="" type="checkbox"/> B Will probably hold position and elevation well <input type="checkbox"/> C May hold well, but subject to ground movement <input type="checkbox"/> D Of questionable or unknown reliability		Recovery Condition (Check one) <input checked="" type="checkbox"/> G Recovered in good condition <input type="checkbox"/> N Not recovered or not found <input type="checkbox"/> P Poor, disturbed, or mutilated <input type="checkbox"/> X Surface mark known destroyed	
Setting Information			
Marker Type <input type="checkbox"/> Rod <input checked="" type="checkbox"/> Disk <input type="checkbox"/> Other:	Setting Type <input type="checkbox"/> Bedrock <input type="checkbox"/> Concrete <input type="checkbox"/> Other:	Agency Inscription <input checked="" type="checkbox"/> NGS <input type="checkbox"/> CGS <input type="checkbox"/> Other:	
Rod Depth ft. m Sleeve Depth ft. m	Stamping: F 468 1978 Agency Inscription: Monument is: <input type="checkbox"/> Flush cm <input type="checkbox"/> Projecting cm <input checked="" type="checkbox"/> Recessed 45 cm		

Paperwork Reduction Act Statement: This form is used to document source information about an airport or aeronautical facility which is part of the National Airspace System (NAS). This information is used to document airport data relating to the safety, security, or capacity of the national air transportation system. It is estimated that it will take approximately 5-80 hours to fill out the all of the necessary forms for a project depending on the complexity. No assurance of confidentiality is necessary or provided. It should be noted that an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection of information is 2120-0569. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC, 20591, Attn: Information Collections Clearance Officer, AIO-20.

<p style="text-align: center;">Special Type (Check all applicable)</p> <div style="display: flex; flex-direction: column; gap: 5px;"> <div><input type="checkbox"/> F Fault monitoring site</div> <div><input type="checkbox"/> T Tidal station</div> <div><input checked="" type="checkbox"/> Control Station (FBN/CBN/Benchmark)</div> <div><input type="checkbox"/> Airport Control Station (PACS/SACS)</div> <div> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Mark suitable for GPS use? </div> </div>	<p style="text-align: center;">Transportation (Check one)</p> <div style="display: flex; flex-direction: column; gap: 5px;"> <div><input checked="" type="checkbox"/> C Car</div> <div><input type="checkbox"/> P Light Truck, (pickup, carry-all etc.)</div> <div><input type="checkbox"/> X Four wheel drive vehicle required</div> <div>Other:</div> <div> <input type="checkbox"/> Yes <input type="checkbox"/> No Pack Time? </div> </div>
<p>General Station Location (describe the general location include airline distances to three towns or mapped features): <i>The station is located</i></p>	
<p>To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark) : <i>To reach the station from the intersection of</i></p>	
<p>Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): <i>The station is</i></p>	



**Federal Aviation
Administration**

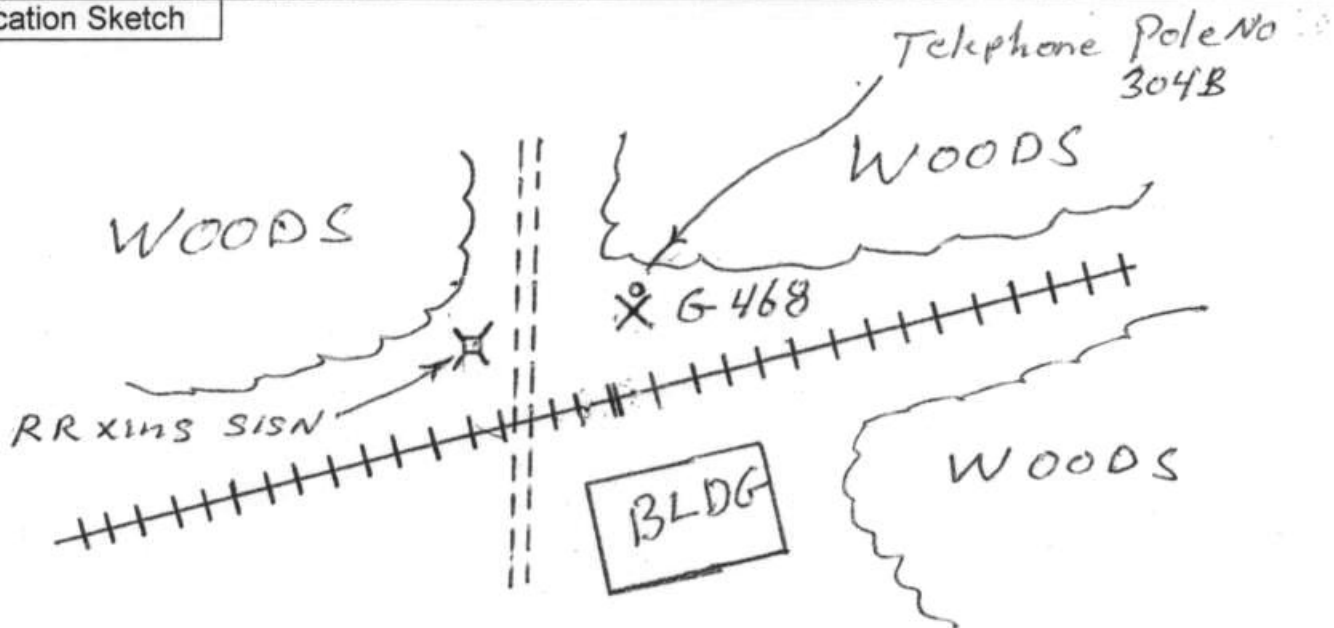
Airport Surveying-GIS Program

Station Location Sketch and Visibility Diagram

Airport Name or Location Name: VA / CITY OF SUFFOLK

Station Designation <u>G468</u>	Permanent Identifier (PID) <u>FX2233</u>	Airport Location Identifier	Date <u>12/15/06</u>
<input type="checkbox"/> PACS	<input type="checkbox"/> SACS	<input type="checkbox"/> TSM	<input checked="" type="checkbox"/> BM
Other (specify):		<input type="checkbox"/> FBN	<input type="checkbox"/> CBN
Organization: <u>NGS</u>			

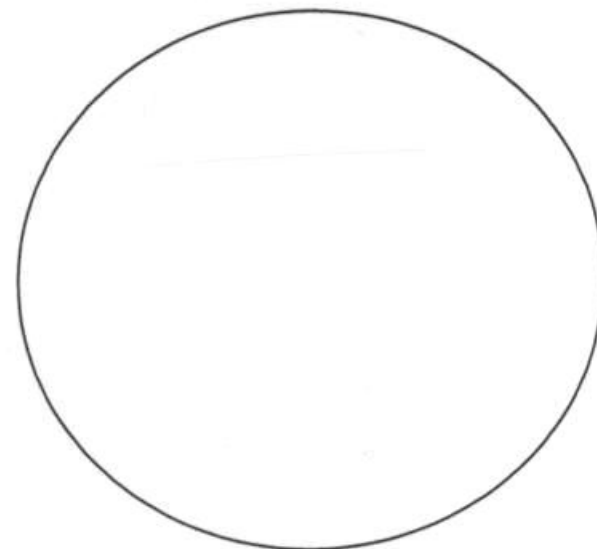
Station Location Sketch



Monument Information

<u>Monument Stability Quality</u>	
<input type="checkbox"/> A Most Stable	<input checked="" type="checkbox"/> B Excellent
<input type="checkbox"/> D Poor	<input type="checkbox"/> C Good
<u>Monument is</u>	
<input checked="" type="checkbox"/> Recessed <u>15</u> cm	<input type="checkbox"/> in bedrock
<input type="checkbox"/> Flush with ground	<input type="checkbox"/> in concrete
<input type="checkbox"/> Projecting	<input type="checkbox"/> In structure
<input checked="" type="checkbox"/> CLIMBED TO TOP	
<u>Disk is set</u>	
<u>General Station Location</u> (describe the general location include airline distances to three towns or mapped features): <u>The station is located</u>	
<u>21.19 MI S OF NEWPORT NEWS, VA</u>	
<u>18.28 MI W OF CHESAPEAKE VA</u>	
<u>0.9 MI E OF SUFFOLK ALONG THE</u>	
<u>SEABOARD COASTLINE RR. SET AT</u>	
<u>A GRAVEL ROAD CROSSING THAT RUNS</u>	
<u>BETWEEN SUFFOLK MARINE AND A GARMENT</u>	
<u>FACTORY.</u>	

Sketch of Disk



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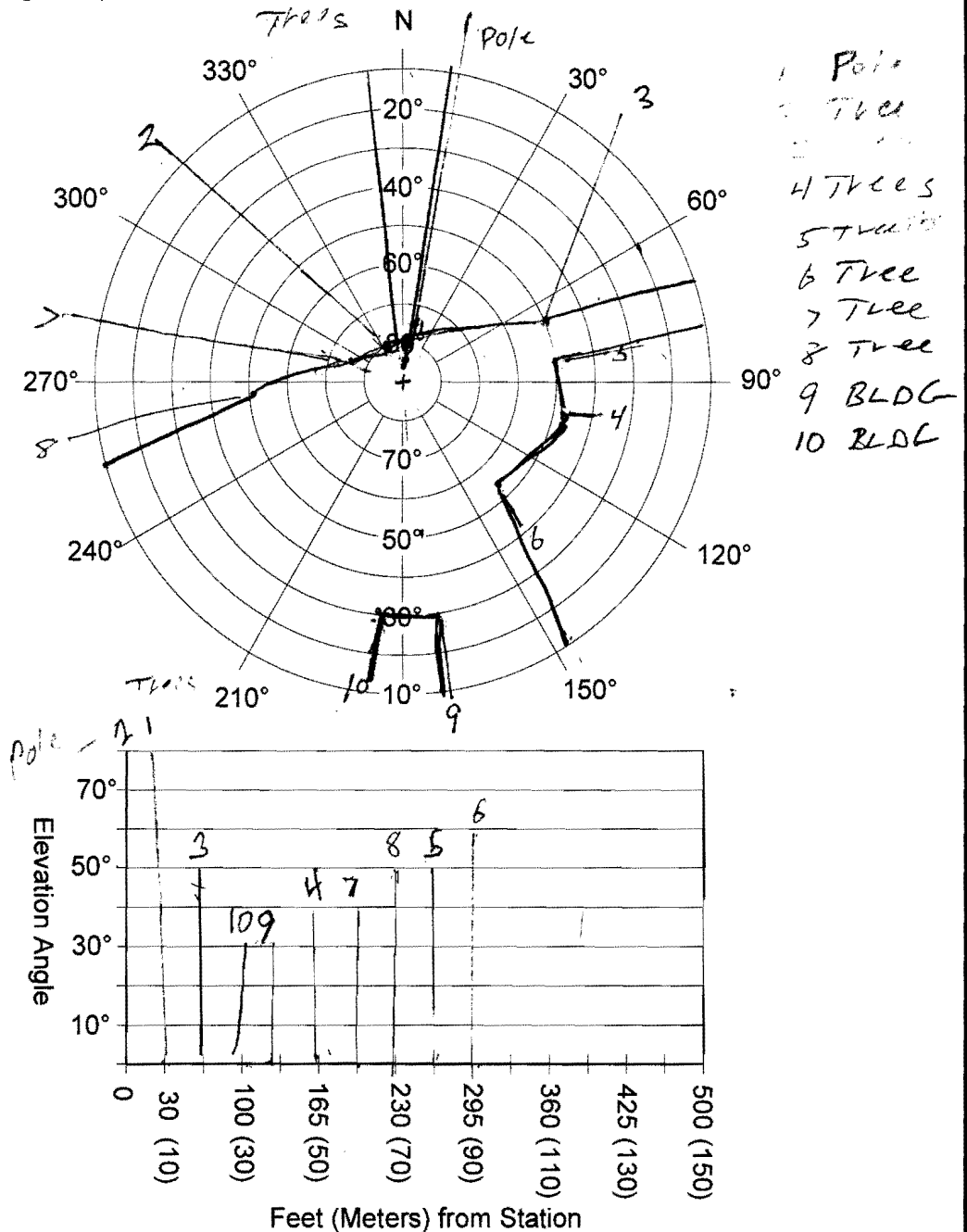
Station Designation: <u>G468</u>	
Land Ownership:	<input type="checkbox"/> Public <input checked="" type="checkbox"/> Private <u>RR-RW</u>
Land Owner Contact Information (optional)	
Land Owner Name	<u>IN RAILROAD RW</u>
Street Address	
City	State: Zip Code:
Telephone Number () -	Fax: () -
Email	
<p>To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark) : <i>To reach the station from the intersection of MAIN STREET (US 460/VA-10/VA-32) AND EAST CONSTANCE BLVD (US 460/US 58 BUS) GO EAST 0.9 MI TO OLD PINNER ST. GO SOUTH 132 FT TO A GRAVEL LOT ON LEFT. GO 112 FT EAST TO A GRAVEL ROAD. GO 180 FT S ON GRAVEL RD. STATION IS NORTH OF THE RAILROAD AND EAST OF THE GRAVEL ROAD</i></p>	
<p>Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): <i>The station is 56.0 FT NE OF RR CROSSING OF GRAVEL RD; 59.6 FT ENE OF WOODEN RR CROSSING SIGN POST; 29 FT N OF E RR AND ABOUT 2 FT LOWER THAN THE RR; 27 FT N OF NORTH RAIL OF RR, 2.0 FT SE OF TELEPHONE POLE NO. 501B WITH A GUY WIRE; 1 FT EAST OF A METAL WITNESS POST WITH A NG5 SIGN. SET ABOUT 0.5 FT BELOW MEAN GROUND LEVEL.</i></p>	

Station Visibility Obstruction Diagram

Station Designation: *G 468 1978*

☐ Check if no obstructions above 10°

Using the plan and profile views below, identify potential obstructions to satellite visibility at the station. In the plan view use a horizontal line to indicate the azimuth. Place the center of the line at the elevation angle of the obstruction above the horizon. In the profile view use a vertical line to indicate the distance the obstructions is from the station. Extend the line up to the appropriate elevation angle. Identify each obstruction using a unique number.



County:

Agency or Company:

Agency or Company Telephone Number:

Reconnaissance By: *G NOTTAGE*

Height above mark (meters):

(*757*) *441* - *5460*

m

*Note Trees Block
See sketch*



**Federal Aviation
Administration**

Airport Surveying-GIS Program

Survey Station Description and Recovery Form

Station Designation G 468	4 Char Identifier G468	State VA	County				
Permanent Record Identifier (from NSRS) JEX 2233		Elevation	Country				
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Feet</th> <th style="width:50%;">Meters</th> </tr> <tr> <td style="text-align: center;">24.54</td> <td style="text-align: center;">7.481</td> </tr> </table>	Feet	Meters	24.54	7.481	
Feet	Meters						
24.54	7.481						
N 31 ° Latitude 44 ° 16 "		W 76 ° Longitude 35 ° 57 "					
Original Description (Check one) <input type="checkbox"/> Preliminary (mark has not been set yet) <input type="checkbox"/> A newly set mark <input checked="" type="checkbox"/> A recovered mark Established by: NGS Chief of Party (initials) Date 1 / 1978		Recovery Description (Check one) <input type="checkbox"/> Full description of a station not NSRS <input type="checkbox"/> Full description of a station in NSRS <input type="checkbox"/> Partial description of a station not NSRS Established by: Chief of Party (initials) Date: 1 /					
Monument Stability (Check one) <input type="checkbox"/> A Of the most reliable nature; expected to hold well <input checked="" type="checkbox"/> B Will probably hold position and elevation well <input type="checkbox"/> C May hold well, but subject to ground movement <input type="checkbox"/> D Of questionable or unknown reliability		Recovery Condition (Check one) <input checked="" type="checkbox"/> G Recovered in good condition <input type="checkbox"/> N Not recovered or not found <input type="checkbox"/> P Poor, disturbed, or mutilated <input type="checkbox"/> X Surface mark known destroyed					
Setting Information							
Marker Type <input type="checkbox"/> Rod <input checked="" type="checkbox"/> Disk <input type="checkbox"/> Other:	Setting Type <input type="checkbox"/> Bedrock <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Other:	Agency Inscription <input type="checkbox"/> NGS <input checked="" type="checkbox"/> CGS <input type="checkbox"/> Other:					
Rod Depth ft. m Sleeve Depth ft. m	Stamping: G 468 1978 Agency Inscription: Monument is: <input type="checkbox"/> Flush <input type="checkbox"/> Projecting <input checked="" type="checkbox"/> Recessed 15 cm						

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FX 2233 CORRECTIONS to NGS DATA SHEET

<p>Special Type (Check all applicable)</p> <p><input type="checkbox"/> F Fault monitoring site</p> <p><input type="checkbox"/> T Tidal station</p> <p><input checked="" type="checkbox"/> Control Station (FBN/CBN/Benchmark)</p> <p><input type="checkbox"/> Airport Control Station (PACS/SACS)</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> Mark suitable for GPS use?</p>	<p>Transportation (Check one)</p> <p><input checked="" type="checkbox"/> C Car</p> <p><input type="checkbox"/> P Light Truck, (pickup, carry-all etc.)</p> <p><input type="checkbox"/> X Four wheel drive vehicle required</p> <p>Other: _____</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> Pack Time?</p>
<p>General Station Location (describe the general location include airline distances to three towns or mapped features): The station is located</p> <p>ABOUT 0.9 MILE EAST ALONG THE SEABOARD COAST LINE RR FROM THE RR STATION IN SUFFOLK, VA. SET AT A GRAVEL ROAD CROSSING THAT RUNS BETWEEN SUFFOLK MARINE AND A GARMET FACTORY</p>	
<p>To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark): To reach the station from the intersection of</p> <p>FROM THE JCT. OF US 58 / SR 460 + EAST PINNER ST IN SUFFOLK VA PROCEED 0.2 MI SW to OLD PINNER ST; TURN LEFT ON OLD PINNER ST AND GO 0.3 MILES AND TURN RIGHT INTO PARKING LOT AND ENTER GRAVEL ROAD WHICH LEADS to RAILROAD CROSSING.</p>	
<p>Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): The station is</p> <p>THE MARK IS 56.0 FT NE OF RR CROSSING OF GRAVEL ROAD; 59.6 FT ENE OF WOODEN RAILROAD SIGN POST; 29 FT N OF RR AND ABOUT 2 FT LOWER THAN; 27 FT N OF NORTH RAIL OF RR, 2.0 FT SE OF TELEPHONE POLE No. 304B WITH a Guy wire; 1 FT EAST OF A METAL WITNESS POST WITH A C&G'S SIGN.</p> <p>SET ABOUT 0.5 FT BELOW MEAN GROUND LEVEL.</p>	

MAY BE COVERED SLIGHTLY. Note! Someone dug a deep hole ABOUT 2 FT SW OF MARK.

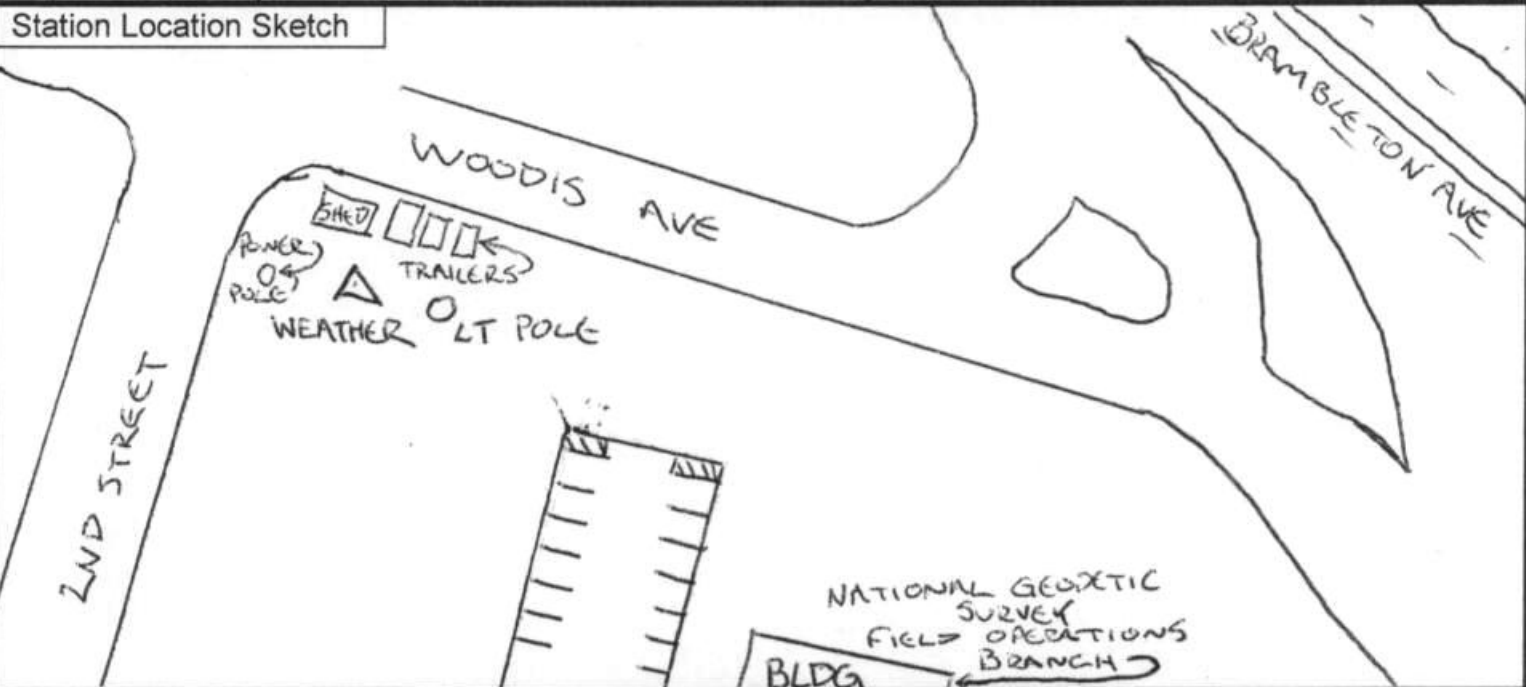


**Federal Aviation
Administration**

Airport Surveying-GIS Program

Station Location Sketch and Visibility Diagram

Airport Name or Location Name: <u>NGS FIELD OPERATIONS NORFOLK, VA</u>			
Station Designation <u>WEATHER</u>	Permanent Identifier (PID) <u>DG9468</u>	Airport Location Identifier	Date <u>12/15/08</u>
<input type="checkbox"/> PACS	<input type="checkbox"/> SACS	<input type="checkbox"/> TSM	<input checked="" type="checkbox"/> BM
<input type="checkbox"/> Other (specify):		<input type="checkbox"/> FBN	<input type="checkbox"/> CBN
Organization: <u>NGS</u>			



Monument Information		Sketch of Disk
<p><u>Monument Stability Quality</u></p> <p><input type="checkbox"/> A Most Stable <input type="checkbox"/> B Excellent <input checked="" type="checkbox"/> C Good</p> <p><input type="checkbox"/> D Poor</p> <p><u>Monument is</u></p> <p><input type="checkbox"/> Recessed cm <input type="checkbox"/> in bedrock</p> <p><input checked="" type="checkbox"/> Flush with ground cm <input checked="" type="checkbox"/> in concrete</p> <p><input type="checkbox"/> Projecting cm <input type="checkbox"/> In structure</p> <p><u>Disk is set</u></p>		
<p><u>General Station Location</u> (describe the general location include airline distances to three towns or mapped features): <u>The station is located</u></p> <p><u>IN NORFOLK, VA 1.5 MI WEST</u></p> <p><u>THE INTERSECTION OF VIRGINIA</u></p> <p><u>BEACH BLVD AND TIDWATER DR</u></p>		
<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>		
<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>		

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Station Designation: WEATHER

Land Ownership:

☒ Public

☐ Private

Land Owner Contact Information (optional)

Land Owner Name DEPARTMENT OF COMMERCE

Street Address 538 FRONT STREET

City NORFOLK

State: VA

Zip Code: 23510

Telephone Number (757) 441-5460

Fax: ()

Email

To Reach Narrative (describe using leg by leg distances and directions from major road intersection to the mark) : *To reach the station from the intersection of*

SEE DATASHEET

Monument Description and Measurements (provide at least three (3) measurements to permanent, identifiable nearby objects and a description of the monument size, shape, height etc.): *The station is*

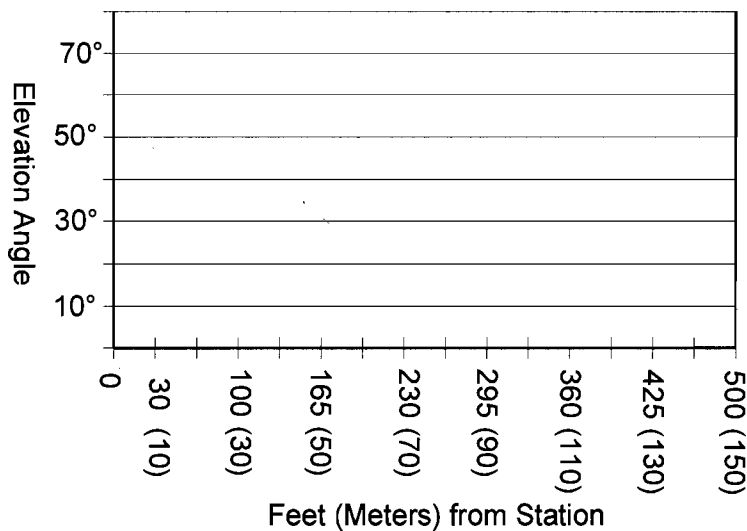
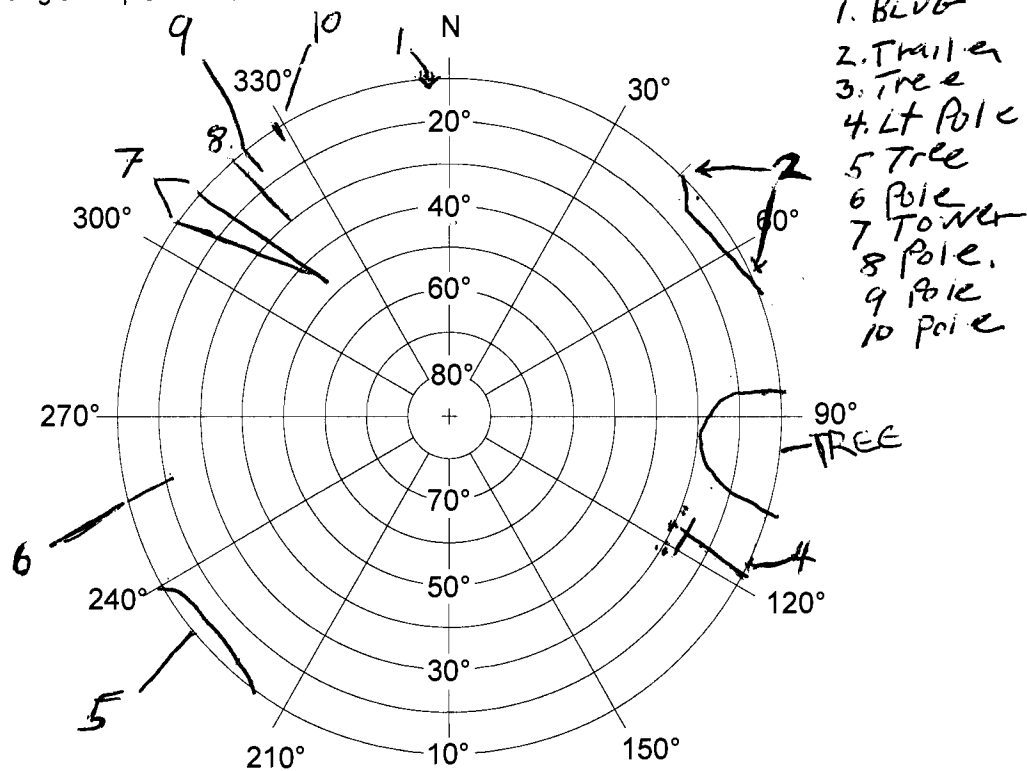
SEE DATASHEET

Station Visibility Obstruction Diagram

Station Designation: WEATHER

☐ Check if no obstructions above 10°

Using the plan and profile views below, identify potential obstructions to satellite visibility at the station. In the plan view use a horizontal line to indicate the azimuth. Place the center of the line at the elevation angle of the obstruction above the horizon. In the profile view use a vertical line to indicate the distance the obstruction is from the station. Extend the line up to the appropriate elevation angle. Identify each obstruction using a unique number.



County:

Agency or Company: NGS

Agency or Company Telephone Number:

Reconnaissance By: K. JORDAN

Height above mark (meters): 2.0 m

(757) 441

-5460