



WATER-RIGHT DOCKET

Shenandoah National Park

Docket No: 34

UNNAMED SPRING AT PASS MOUNTAIN PARKING OVERLOOK

Preliminary Docket Information

00-00-0000: docket #34: pass mountain parking overlook water system

SHENANDOAH NATIONAL PARK

Docket #34

Pass Mountain Parking Overlook Water System

I N D E X

PART I - INVESTIGATION

1. Drawing NP-SHE 2784, "Layout of Water System," (1966) by SNP.

PART II - WATER RIGHTS

Form 10-550
(Nov. 1958)

U. S. DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

FIXED PROPERTY RECORD

DESCRIPTION OF PROPERTY (Include reference to the location within the Park, how the asset was acquired, name of contractor, etc.)

Location: Pass Mountain Parking Overlook - North District

One Spring
 One 200 gallon Concrete Spring Box
 2,000 Linear Feet of Pipe
 One Stone Masonry Drinking Fountain

Gravity System

Constructed by CCC in 1939

8 13	DATE	REFERENCE		QUANTITY			COST		
		Journal Vow.	Other	Unit	No. of Units	Accumulated Total	Direct Costs	Indirect Costs	Accumulated Costs
1	8/27/59	37-10		System	1				1,900.00
2									
3									
4									
5									
G.L. Acct. No.		General Classification			Sub-Classification		Region	State	Park or Office
100.8		Utility			Water System		One	Va.	SNP

Other Supporting Information

PASS MOUNTAIN WATER SUPPLY PROJECT

Weir No. 5

Location.- The project is located 0.9 mile southwest of Pass Mountain and 1.2 miles northwest of Thornton Gap. The fountain located in the Pass Mountain Parking Overlook is about 30.4 miles from the north end of the Drive at Front Royal and the source is about 1,400 feet directly east of the parking area.

Installation.- The various units of the installation are as follows: 2 concrete receptacles "C and G"; one sand box "F"; reservoir, 1,200 gallons capacity; 56 feet of 4-inch open tile; 136 feet of 4-inch closed tile; 65 feet of 2-inch galvanized iron pipe; and 1,850 feet of three-fourths inch galvanized iron pipe.

The plans for the completed survey of this project are shown on sheets Nos. 13 and 14 and the field notes for this survey are shown on pages 24 and 25.

Monuments.- Three concrete monuments, marked by the letters "A, B, and P", were used in the survey to locate the underground units. Two of these monuments, "B and P", were used as bench marks for the survey and were tied into mean sea level elevation.

Elevation.- The elevations of the following monuments were determined by an unchecked line of levels from Federal Bureau of Public Roads Bench Mark located 275 feet north of culvert marked 81 + 00. Bench Mark is 3 nails in apple tree 60 feet $\pm$ left of station 83 + 75. M. S. L. elevation 2,461.55 feet.

Monument B, elevation 2,575.64 feet, is located 123 feet south of reservoir.

Monument P, elevation 2,462.30 feet, is located on east side of road at junction of Skyline Drive and entrance road to parking area at the north end of Pass Mountain Parking Overlook.

PASS MOUNTAIN WATER SUPPLY PROJECT

23

Weir No. 5

Description of System.- Flow is collected in two areas by three collecting trenches about six or seven feet in the ground. After the flow is taken into the receptacles "G and C" it is piped to a sand box where it can be inspected if necessary.

Remarks.- The supply furnishes drinking fountain located at Pass Mountain Parking Overlook.

PASS MOUNTAIN WATER SUPPLY PROJECT

24

WEIR NUMBER 5

Note: Magnetic North at Monument A is zero azimuth of survey.

Instrument located on	Station	Azimuth		Distance in feet	Bearing		Remarks
		Back	Forward		Magnetic	Calculated	
Mon. A	Mon. B		306°37'	88.1	N53½°W	N53°23'W	Monument B is station 0+00 on pipe line survey.
	C		104°50'	44.2	S75½°E	S75°10'E	Center of receptacle.
	D		141°32'	50.0	S38½°E	S38°28'E	End of ditch.
	E		87°49'	46.8	N87-3/4°E	N87°49'E	End of ditch.
	F		325°38'	24.6	N34½°W	N34°22'W	Center of back edge of cover on sand box.
	G		34°56'	74.4	N35°E	N34°56'E	Center of receptacle.
	H		38°33'	35.4	N38½°E	N38°33'E	Point on curve of ditch.
	I		336°23'	19.5	N23½°W	N23°37'W	Intersection of ditch lines.
	Mon. B	126°37'			S18°E	S53°23'E	Backsight. Monument B is 0+00 on pipe line survey.
	Stake J		306°37'	9.3		N53°23'W	Stake for set up at station 0+09.3
Stake J	Mon. A	126°37'			S22½°E	S53°23'E	Backsight.
	Stake L		227°30'	492.8	S78½°W	S47°30'W	Stake for set up at station 5+02.1
Stake L	Stake J	47°30'			N74-3/4°E	N47°30'E	Backsight.
	Stake M		279°39'	180.1	N52-3/4°W	N80°21'W	Stake for set up at station 6+62.2
Stake M	Stake L	99°39'			S47½°E	S80°21'E	Backsight.
	Stake N		250°01'	221.0	N77°W	S70°01'W	Stake for set up at station 8+83.2
Stake N	Stake M	70°01'			S78½°E	N70°01'E	Backsight.
	Stake O		229°54'	61.0	N81-3/4°W	S49°54'W	Stake for set up at station 9+44.2
Stake O	Stake N	49°54'			S80-3/4°E	N49°54'E	Backsight.
	Mon. P		227°00'	650.2	N83½°W	S47°00'W	Monument at station 15+94.4.
	Stake Q		227°00'	663.0	N83½°W	S47°00'W	Stake for set up at station 16+07.2

PASS MOUNTAIN WATER SUPPLY PROJECT (Continued)

25

WEIR NUMBER 5

Instrument located on	Station	Azimuth		Distance in feet	Bearing		Remarks
		Back	Forward		Magnetic	Calculated	
Stake Q	Stake O	47°00'			N79 $\frac{1}{2}$ °E	N47°00'E	Backsight.
	Stake R		268°35'	47.2	N58-3/4°W	S88°35'W	Stake for set up at station 16+54.
Stake R	Stake Q	88°35'			S67 $\frac{1}{2}$ °E	N88°35'E	Backsight.
	Point S		201°59'	196.0	S45 $\frac{1}{4}$ °W	S21°59'W	Proposed fountain location for Park- ing Overlook. Station 18+50.4

Docket Compiled: 6/17/2011