



BLAIR COUNTY
1731 N. JUNIATA STREET
HOLLIDAYSBURG, PA 16648
TEL: 814.696.6280
FAX: 814.696.6240

October 6th, 2020

Mr. Dan Penatzer
Borough Manager
Ebensburg Borough
300 W. High Street
Ebensburg, PA 15931

RE: 2020 Inspection of Ebensburg Storage Dam
DEP File No. 011-061
Project No. 15-0017.102

Dear Mr. Penatzer:

Stiffler, McGraw & Associates (SMA) has completed the 2020 annual dam safety inspection of the above referenced dam. We've attached four copies of the inspection report – two copies for your records and two for submission to the PA Department of Environmental Protection (PA DEP). The copies sent to PA DEP should be addressed to:

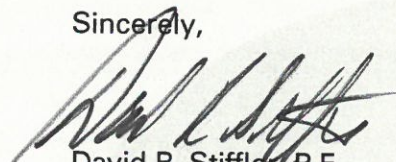
Brandon S. Frey, E.I.T.
PADEP
Bureau of Waterways Engineering & Wetland
Rachel Carson State Office Building
400 Market Street, 2nd Floor
Harrisburg, PA 17101

In summary, the dam appeared to be in good condition. However, the following observations should be noted and addressed by Ebensburg staff:

1. Past annual inspection reports had indicated a growing crack present along an upper wall section of the downstream western spillway wall. This wall section had been slowly sliding downhill away from the spillway. In 2019, EMA operational staff removed this section of wall, cutting the remaining concrete flush at the location of the crack. See Photos 13 and 18.
2. It should be noted that the 20" drain pipe was televised in 2016 and found to be in fair condition. Also, modifications to the existing intake structure including the addition of a new sluice gate have been designed and a "Letter of Amendment" submitted to the PA DEP, Division of Dam Safety in September, 2016. The Amendment has been approved by the PA DEP. At the time of our inspection, the sluice gate has been installed (See Photo 17). The authority is awaiting parts to complete the installation of the gate's operator and stem. Once completed the reservoir will begin filling.

If you should have any questions, please contact our office.

Sincerely,



David R. Stiffler, P.E.
Sr. Project Engineer

Enclosures

ANNUAL RESERVOIR INSPECTION

EBENSBURG STORAGE DAM

DEP ID No. D11-061

Prepared by:



EBENSBURG BOROUGH, CAMBRIA COUNTY,
PENNSYLVANIA

OWNER: EBENSBURG BOROUGH

OCTOBER 2020

DAM INSPECTION CHECKLIST
Department of Environmental Protection
Bureau of Waterways Engineering
Division of Dam Safety

NAME OF DAM: Ebensburg Storage Dam

DEP DAM NO.: D11-061

LOCATION: Municipality: Ebensburg Borough

County: Cambria

DEP CLASSIFICATION DATA: Size: C

Hazard: 1

PHYSICAL DATA:

Type of Dam: Earth Fill

Height of Dam: 17.5'

Normal Pool Storage Capacity: 48 Ac-Ft

ELEVATIONS:

Normal Pool: 1983.30

Pool at Inspection: Empty

Tailwater at Inspection:

DAM OWNER: Ebensburg Borough

OPERATOR: Jeff Evans

ADDRESS: 300 West High Street
Ebensburg, PA 15931

Public Works Director
Ebensburg Borough

PHONE: (814) 472-8750

FAX NO.:

E-MAIL ADDRESS: jevans@ebensburgpa.com

A completed and signed Dam Owners Notice Checklist is to accompany this Inspection Checklist.

PERSONS PRESENT AT INSPECTION:

Name

Title/Position

Representing

David R. Stiffler, P.E.

Sr. Project Engineer

Stiffler, McGraw & Assoc.

Tyler M. McGraw, E.I.T.

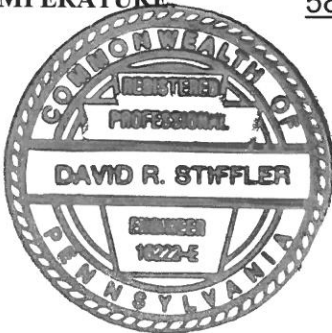
Project Designer

Stiffler, McGraw & Assoc.

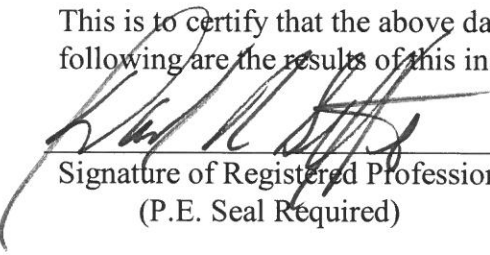
DATE OF INSPECTION: 9/23/2020

WEATHER: Sunny

TEMPERATURE: 58°F



This is to certify that the above dam has been inspected and the following are the results of this inspection.


Signature of Registered Professional Engineer
(P.E. Seal Required)

10/05/20
Date

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
EMBANKMENT: CREST					
1	Surface Cracking	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Sinkhole, Animal Burrow	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Low Area(s)	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Horizontal Alignment	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Ruts and/or Puddles	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Vegetation Condition	Good cover of grass, needs cut	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Warning Signs	None Observed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					
EMBANKMENT: UPSTREAM FACE					
10	Slide, Slough, Scarp	None Observed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Slope Protection	Concrete in good condition, to approximately 3' below spillway crest. Grass between concrete and crest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	Sinkhole, Animal Burrow	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Emb.-Abut. Contact	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Erosion	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Vegetation Condition	Good cover of grass, needs cut	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
EMBANKMENT: DOWNSTREAM FACE					
18	Wet Area(s) (No Flow)	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Seepage	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Slide, Slough, Scarp	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Emb. - Abut. Contact	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Sinkhole, Animal Burrow	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	Erosion	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	Unusual Movement	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Vegetation Control	Good cover of grass, needs cut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					
EMBANKMENT: INSTRUMENTATION					
28	Piezometers/Observ. Wells	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	Staff Gauge and Recorder	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Weirs	Stream flow monitor installed November 1994 for Howell's Run Conservation Release Documentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	Survey Monuments	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	Drains	Not observed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	Low Flow Release	The low flow release from Howells Run Dam is discharged from a six-inch diameter pipe onto the emergency spillway, when there is not water running in the spillway. Pipe was flowing approx. 1/4 full on the day of the inspection.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	Frequency of Readings	The low flow release is continuously monitored	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	Location of Records	Water treatment facility data storage unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
DOWNSTREAM AREA					
38	Abutment Leakage	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	Foundation Seepage	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	Slide, Slough, Scarp	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41	Drainage System	None Observed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	Boils	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43	Wet Areas	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44	Reservoir Slopes	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45	Access Roads	The dam is accessible from the downstream face by the Treatment Plant access road. The access road is gated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46	Security Devices	The gate on the bridge to the intake tower is locked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47	Act 91 Run-of-the-River Signs or Bouys	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					
SPILLWAYS: ERODABLE CHANNEL: N/A					
50	Slide, Slough, Scarp		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
51	Erosion		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
52	Vegetation Condition		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
53	Debris		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
54			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
55			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
SPILLWAYS: NON-ERODABLE CHANNEL					
56	Sidewalls	Fair condition. *See Below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
57	Channel Floor	Some concrete surface erosion. *See Below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
58	Unusual Movement	Unusual movement of upper wall section addressed via removal of section experiencing movement. See Photos 13, 18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59	Approach Area	No problems noted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	Weir or Control	Good condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
61	Discharge Channel	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62	Boils	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
63			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
64			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Additional Comments (Refer to item number if applicable):</p> <p>56. The portion of the upper wall section which had experienced a major crack and been separating from the upstream spillway wall was removed by EMA operational staff in 2019. See Photos 13 and 18.</p> <p>57. Concrete patching / repairs were performed at the lip of the downstream spillway, near to portion of the removed upper wall section. See Photo 14</p>					
SPILLWAYS: DROP INLET / N/A					
65	Intake Structure	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
66	Trashrack	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
67	Stilling Basin	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
68			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
69			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Additional Comments (Refer to item number if applicable):</p>					

NAME OF DAM: Ebensburg Storage Dam	DEP DAM NO.: D11-061	DATE: 9/23/20
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ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
OUTLET WORKS					
70	Intake Structure	Replaced in 1994. The intake structure appears to be in good condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
71	Trashrack	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72	Stilling Basin	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
73	Primary Closure	*See below	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74	Secondary Closure	This valve is located in a manhole near the (See below)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75	Control Mechanism	Replaced in 1994	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76	Outlet Pipe	The outlet pipe was televised in 2016 and found (See below)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
77	Outlet Tower	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78	Outlet Structure	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
79	Seepage	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80	Unusual Movement	None noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
82			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

73. Permit application for the installation of a sluice gate was submitted in September 2016 and a "Letter of Amendment" was issued by the PA DEP on Dec. 15, 2016. The 20" S.S. Sluice Gate has been installed (See Photo 17), however the valve's operator and stem have not been installed at the time of the inspection. EMA expects their installation to occur in the coming months, allowing the reservoir to begin filling immediately thereafter.

74. entrance to the water treatment plant. (See Photo 16). This valve was exercised in September 2019 to initiate the drawdown process.

76. to be in satisfactory condition.

CONCRETE/MASONRY DAMS: UPSTREAM FACE N/A

83	Surface Conditions	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
84	Condition of Joints	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
85	Unusual Movement	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
86	Abutment-Dam Contacts	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
87			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
88			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional Comments (Refer to item number if applicable):

NAME OF DAM: Ebensburg Storage Dam	DEP DAM NO.: D11-061	DATE: 9/23/20
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ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
CONCRETE/MASONRY DAMS: DOWNSTREAM FACE N/A					
89	Surface Conditions	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	Condition of Joints	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
91	Unusual Movement	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
92	Abutment-Dam Contacts	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
93	Drains	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94	Leakage	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
95			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
96			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					
CONCRETE/MASONRY DAMS: CREST N/A					
97	Surface Conditions	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
98	Horizontal Alignment	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99	Vertical Alignment	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100	Condition of Joints	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
101	Unusual Movements	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
102			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
103			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					

ITEM	CONDITION	COMMENTS	MONITOR	INVESTIGATE	REPAIR
RESERVOIR AREA					
104	Sedimentation	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
105	Slope Stability	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
106	Sinkholes	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
107	Fractures	No problems noted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
108	Unwanted Growth	Brush along spillway approach channel needs cut	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
109	Storage Gage	None observed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
110			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
111			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional Comments (Refer to item number if applicable):					
Final Comments:					

DAM OWNERS NOTICE CHECKLIST
Department of Environmental Protection
Bureau of Waterways Engineering
Division of Dam Safety

NAME OF DAM: Ebensburg Storage Dam

DEP DAM NO.: D11-061

This is to certify that both the Downstream Hazard Description is accurate and the Posted Notice locations listed below have been inspected and the following are the results of these inspections.

Ebensburg Municipal Authority

Name of Dam Owner

[Signature]
Signature of Dam Owner

9/23/2020

Date

This Dam Owners Notice Checklist is to accompany the Inspection Checklist filed by the Engineer.

EMERGENCY ACTION PLAN

Date of Last Update of Emergency Plan: September 24, 2018

Downstream Hazard Description (Refer to sections II.C and II.D in the EAP), additionally, specify any new developments, structures, etc. downstream within the inundation area: Within the inundation area there are approximately 27 homes, 12 commercial businesses, and 12 public/recreation/institutional facilities.

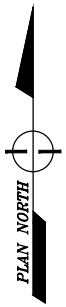
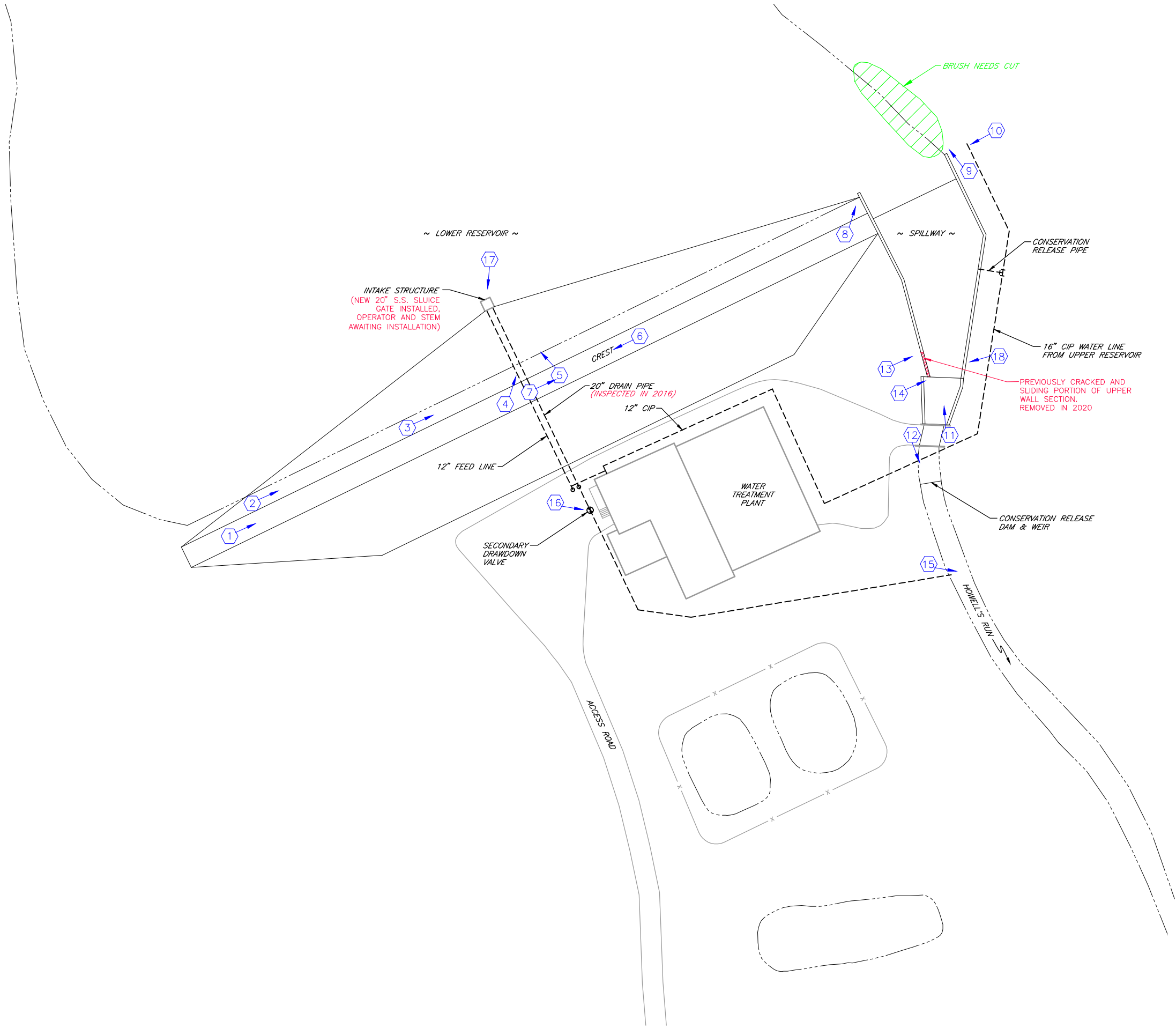
POSTED NOTICES (Refer to section V.A in the EAP)

ITEM	DATE INSPECTED	LOCATION	COMMENTS	EXISTING	MISSING	REPLACED
1	9/23/20	Ebensburg Water Plant		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	9/23	Reservoir Trail (Trailhead)		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	9/23	Ebensburg Swimming Pool		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	9/23	Lions Field		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	9/23 mailed	Frostbite Ice Cream and Treats		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	9/23 mailed	Festival Beverage		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	9/23 mailed	Dr. Archibald Morris Medical Office		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8	9/23 mailed	Lakeview Lanes		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	9/23 mailed	Ebensburg Oil and Gas		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	9/23	Lake Rowena Park		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	9/23	Ebensburg Lake Field		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	9/23	Ebensburg Tennis Center		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	9/23 mailed	Traders Guide and Pennysaver		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	9/23 mailed	Mainline Newspaper		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	9/23 mailed	Skills of Central PA		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	9/23 mailed	Lake Inn Motel		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17	9/23 mailed	Ebensburg Lakeside Community Church of Nazarene		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18	9/23 mailed	Ebensburg Animal Hospital		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

19	9/23	Ebensburg Outdoor Hockey Rink		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20	9/23 marked	Country Sisters Store		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21	9/23 marked	Foster F. Wineland Inc.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	9/23 marked	Dunkin Donuts		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23	9/23 marked	Scanlan Electric Supply	Now Dodson Electric	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24	9/23	Ebensburg Wastewater Treatment Plant		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Additional Comments (Refer to item number if applicable):						


SKETCH PLAN 2020

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- LEGEND
- PHOTOGRAPH VIEW
 - BRUSH NEEDS CUT

INSPECTION DATE: 09/16/20



STIFFLER McGRAW
Engineers • Surveyors • Architects

BLAIR COUNTY
1731 N. Juniata Street
Hollidaysburg, PA 16648
Phone: 814.696.6280 Fax: 814.696.6240

With Offices In:
Bedford County • Bradford County • Warren County

Stiffler, McGraw & Associates, Inc.

Owner:
EBENSBURG BOROUGH
300 WEST HIGH STREET
EBENSBURG, PA. 15931

Project Name:
EBENSBURG STORAGE DAM
DEP FILE NO. D11-061

EBENSBURG BOROUGH
CAMBRIA COUNTY, PENNSYLVANIA

Revisions:

No.	Date	Description
△		

Sheet Title:

DAM INSPECTION
SKETCH PLAN

PROJECT NO.	15-0017.102
DRAWN BY:	TMM
DESIGNED BY:	TMM
CHECKED BY:	DRS
SCALE:	NONE

Drawing:

S1

PHOTOGRAPHS

2020

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 1: Downstream Embankment and Crest looking Northeast



Photo 2: Upstream Embankment looking Northeast

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 3: Upstream Embankment looking Northeast



Photo 4: Intake Structure, Bridge and Gated Access

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 5: View of Intake Structure



Photo 6: Crest from the Middle looking Southwest

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 7: Crest from the Middle looking Northeast



Photo 8: Spillway Control Section looking Northeast

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 9: Woody Vegetation at East Abutment



Photo 10: Spillway Entrance and Upstream Embankment
looking Southwest

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 11: Downstream Section of Spillway



Photo 12: View of Weir on Discharge Channel Used for Measuring Conservation Release

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 13: Recently Removed Upper Section of the Western Spillway Wall
(EMA operational staff removed portion of wall in 2019)



Photo 14: Portion of downstream spillway channel
patched/repared by EMA operational staff in 2019

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 15: View of Submerged Reservoir Drain Outlet



Photo 16: View of Reservoir Drain Manhole

DEP ID NO D11-061
EBENSBURG STORAGE DAM
Ebensburg Borough, Pennsylvania



Photo 17: Newly installed primary closure drain valve.
(20" Stainless Steel Sluice Gate)



Photo 18: Recently Removed Upper Section of the Western Spillway Wall
(EMA operational staff removed portion of wall in 2019)

**DEP REVIEW LETTER
FOR
2019 INSPECTION REPORT
(not received)*