From: <u>Joyce Chisolm</u>

To: Gayle Nipper; Justin Eddy; Kim Schwartz

Cc: Yolanda Velazquez

 Subject:
 FW: 2015-11 Pristine Lake Preserve

 Date:
 Tuesday, May 17, 2016 11:27:19 AM

Attachments: <u>image009.wmz</u>

2015-10 Stormwater Report042716 Index and Electronic Signature.pdf

image002.png image007.wmz image008.png image009.png

Logged.

Joyce D. Chisolm

Regulatory Support Technician Southwest Florida Water Management District 7601 US Hwy 301 North Tampa, FL 33637 (800) 836-0797 or (813) 985-7481 ext. 2070 Joyce.Chisolm@watermatters.org

Introducing ERP eCompliance Online Permit Condition Reporting at

WaterMatters.org/ePermitting

From: Rob McDaniel

Sent: Tuesday, May 17, 2016 10:52 AM

To: Joyce Chisolm < Joyce. Chisolm@swfwmd.state.fl.us>

Cc: Spring Engineering <sei2@verizon.net> **Subject:** FW: 2015-11 Pristine Lake Preserve

Joyce, Please process this attachment for the file of record, 724565.

Thanks, Rob

From: Spring Engineering, Inc. [mailto:sei@springengineeringinc.com]

Sent: Tuesday, May 17, 2016 10:19 AM

To: Rob McDaniel < <u>Rob.McDaniel@swfwmd.state.fl.us</u>>

Subject: 2015-11 Pristine Lake Preserve

Rob,

Can you add this index sheet to be used in-lieu of the stormwater report index sheet which doesn't contain the electronic signature statement. Sorry for the inconvenience.

Thanks, Yancey

Yancey B. Abuton, P.E.

Assistant Director of Engineering /rkb

SPRING ENGINEERING, INC.

Architecture · Engineering · Land Planning 3014 U.S. Highway 19 Holiday, FL 34691

sei@springengineeringinc.com

Ph: (727) 938-1516 Fax: (727) 942-4174 Spring Engineering, Inc.

This communication is confidential and may be legally privileged. It is agreed by the recipient of this data that the work project is the sole and exclusive property of Spring Engineering, Inc. and that it will not be provided to any additional users, including surveyors, engineers, architects, planners, contractors, etc., without the approval and consent of this firm. It is understood that the accuracy of any data obtained by this transmittal is subordinate to the certified paper drawing and that SEI assumes no liability in the use of this data. AutoCAD File Disclaimer The accompanying files are supplied as a matter of courtesy and are in no way to be taken as appurtenant to, associated with or as a replacement of copies of the officially sealed documents. The data is provided "as is" without warranty of any kind either expressed or implied. Any person(s) or organization(s) making use of or relying upon this data, is responsible for confirming its accuracy and completeness. These files do not include a professional architect/engineer's stamp and only drawings with such stamp are to be considered as true and final. SPRING ENGINEERING, INC. is not responsible for edited or reproduced versions of this digital data.

TABLE OF CONTENTS

1.0	_	ct Description
	1.01	Project Location 1
	1.02 1.03	Topography 1 Flood Zone 2-3
	1.03	Flood Zone 2-5
2.0	Drain	age Design 3-5
	2.1	Water Quality 5-6
	2.2	Water Quantity Attenuation 6-8
	2.3	Splitting of Node NL1060 Into NL1060 and NL10628-9
		Due to the Entry Road and Culvert Connectivity Sizing
	<mark>2.4</mark>	Comparison of Pre-Development Parent Node Stages
		Vs. Post Development Parent Node Stage
3.0	Cyrman	10
3.0	Sumi	nary10
4.0	Anne	ndices
4.0	Appe	ndices
		ndices Photo and Location Map
A.	Aeria	
A.	Aeria Pre-D	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen
4.0 A. B.	Aeria Pre-D	Photo and Location Map
A.	Aeria Pre-D So Ro FEMA	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen oil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area
A. <mark>B.</mark>	Aeria Pre-D So Ro FEMA	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen oil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area
A. <mark>B.</mark> C.	Aeria Pre-D So Ro FEMA Post-I	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen bil Land Use Precipitation (SLURP) Information and Floodplain Justification eport
A. B. C. D.	Aeria Pre-D So Ro FEMA Post-I Devel	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen bil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post
A. B. C. D.	Aeria Pre-D So Ro FEMA Post-I Devel Water Local	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen bil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post opment SLURP Information Quality Calculations and Supporting Data Study Limits
A. B. C. D.	Aeria Pre-D So Ro FEMA Post-I Devel Water Local Pre-D	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen oil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post opment SLURP Information Quality Calculations and Supporting Data Study Limits evelopment ICPR Interconnectivity Diagram, Input and Peak Discharge Rates
A. B. C. D. E. F.	Aeria Pre-D So Ro FEMA Post-I Devel Water Local Pre-D Post-I	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen bil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post opment SLURP Information Quality Calculations and Supporting Data Study Limits evelopment ICPR Interconnectivity Diagram, Input and Peak Discharge Rates Development ICPR Interconnectivity Diagram, Input, Peak Discharge Rates and
A. B. C. D. F. G. H.	Aeria Pre-D So Re FEMA Post-I Devel Water Local Pre-D Post-I	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen bil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post opment SLURP Information Quality Calculations and Supporting Data Study Limits evelopment ICPR Interconnectivity Diagram, Input and Peak Discharge Rates Development ICPR Interconnectivity Diagram, Input, Peak Discharge Rates and eak Stages
A. B. C. D. E. G. H.	Aeria Pre-D So Re FEMA Post-I Devel Water Local Pre-D Post-I Pe	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen oil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post opment SLURP Information Quality Calculations and Supporting Data Study Limits evelopment ICPR Interconnectivity Diagram, Input and Peak Discharge Rates Development ICPR Interconnectivity Diagram, Input, Peak Discharge Rates and eak Stages evelopment 100y24h Volume Discharged at Basins L1021 and L1081
A. B. C. D. E. G. H.	Aeria Pre-D So Re FEMA Post-I Devel Water Local Pre-D Post-I Pe	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen bil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post opment SLURP Information Quality Calculations and Supporting Data Study Limits evelopment ICPR Interconnectivity Diagram, Input and Peak Discharge Rates Development ICPR Interconnectivity Diagram, Input, Peak Discharge Rates and eak Stages
A. B. C. D. E. G. H.	Aeria Pre-D So Ro FEMA Post-I Devel Water Local Pre-D Post-I Pre-D Post-I Pre-D	Photo and Location Map evelopment Drainage Map, Time of Concentration Calculations, Pre-Developmen oil Land Use Precipitation (SLURP) Information and Floodplain Justification eport A Firm Map, Floodplain Cut and Fill Area Development Drainage Map, Time of Concentration Calculations and Post opment SLURP Information Quality Calculations and Supporting Data Study Limits evelopment ICPR Interconnectivity Diagram, Input and Peak Discharge Rates Development ICPR Interconnectivity Diagram, Input, Peak Discharge Rates and eak Stages evelopment 100y24h Volume Discharged at Basins L1021 and L1081

Yancey B. Abuton State of Florida, Professional Engineer, License No. 63766 This item has been electronically signed and sealed by Yancey B. Abuton, P.E. on 5/17/16 using a SHA-1 Authentication Code