May 29, 2020

VIA ELECTRONIC MAIL

Patrick Gilmore & Jessica Camp
RJ Industries, LLC
14991 NE Jacksonville Rd
Citra, Fl 32113

Re: Special Exception 0611 – Moonshine Acres
Board of Adjustment Determination Letter

Dear Mr. Gilmore,

At the May 28, 2020 Board of Adjustment ("Board") hearing, the Board approved your application for a Special Exception for a Recreational Vehicle Campground use as permitted in Section 4.5.7(8) of the County's Land Development Regulations ("LDRs") in accordance with Section 12.2 of the County's LDRs. Per Section 12.1.1 of the County's LDRs, there is a thirty (30) day appeal period for all Special Exceptions. If no appeal is filed within thirty (30) days, the decision of the Board shall become final. No permits shall be issued until the thirty (30) day appeal period has expired.

Attached for your records is a copy of Resolution BA SE 0611.

If you have any questions, please do not hesitate to contact me at bstubbs@columbiacountyfla.com or (386) 754-7119.

Sincerely,

Brandon M. Stubbs
Community Development Coordinator
Land Development Regulation Admin.

RESOLUTION NO. BA SE 0611

A RESOLUTION OF THE BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA, GRANTING A SPECIAL EXCEPTION WITH APPROPRIATE CONDITIONS AND SAFEGUARDS AS AUTHORIZED UNDER SECTION 4.5.7 OF THE LAND DEVELOPMENT REGULATIONS TO ALLOW FOR A CAMPGROUND USE WITHIN THE AGRICULTURE-3 ("A-3") ZONE DISTRICT ON CERTAIN LANDS WITHIN THE UNINCORPORATED AREA OF COLUMBIA COUNTY, FLORIDA; PROVIDING FOR REVOCATION OF THE SPECIAL EXCEPTION; REPEALING ALL RESOLUTIONS IN CONFLICT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Columbia County Land Development Regulations, hereinafter referred to as the Land Development Regulations, empowers the Board of Adjustment of Columbia County, Florida, hereinafter referred to as the Board of Adjustment, to grant, to grant with appropriate conditions and safeguards or to deny special exceptions as authorized under Section 3.2 of the Land Development Regulations;

WHEREAS, a petition for a special exception, as described below, has been filed with the County;

WHEREAS, pursuant to the Land Development Regulations, the Board of Adjustment held the required public hearing, with public notice having been provided, on said petition for a special exception, as described below, and considered all comments received during said public hearing and the Concurrency Management Assessment concerning said petition for a special exception, as described below;

WHEREAS, the Board of Adjustment has found that they are empowered under Section 3.2 of the Land Development Regulations to grant, to grant with appropriate conditions and safeguards or to deny said petition for a special exception, as described below;

WHEREAS, the Board of Adjustment has determined and found that the granting with appropriate conditions and safeguards of said petition for special exception, as described below, would promote the public health, safety, morals, order, comfort, convenience, appearance, prosperity or general welfare;

WHEREAS, the Board of Adjustment has determined and found that the special exception is generally compatible with adjacent properties, other property in the district and natural resources; and

WHEREAS, the Board of Adjustment has determined and found that:

(a) The proposed use would be in conformance with the Comprehensive Plan and would not have an undue adverse effect on the Comprehensive Plan;

(b) The proposed use is compatible with the established land use pattern;

(c) The proposed use will not materially alter the population density pattern and thereby increase or overtax the load on public facilities such as schools, utilities, and streets;

(d) The proposed use will not have an undue adverse influence on living conditions in the neighborhood;

(e) The proposed use will not create or excessively increase traffic congestion or otherwise affect public safety;

(f) The proposed use will not create a drainage problem;

(g) The proposed use will not seriously reduce light and air to adjacent areas;

(h) The proposed use will not adversely affect property values in the adjacent areas;

(i) The proposed use will not be a deterrent to the improvement or development of adjacent property in accord with existing regulations; and

(j) The proposed use is not out of scale with the needs of the neighborhood or the community.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA, THAT:

Section 1. Pursuant to a petition SE 0611, a petition by Patrick Gilmore and Jessica Camp, owners, to request a special exception be granted as provided for in Section 4.5.7(8) of the Land Development Regulations to allow for a Campground use within the Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated January 14, 2020 and submitted as part of a petition dated January 14, 2020, as amended, to be located on property described, as follows:

Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of U.S. Highway No. 27 and run North 1 degrees 45' West, along said East line, 532.89 feet; thence South 88 degrees 15' West, 210 feet to the Point of Beginning; thence continue South 88 degrees 15' West, 210.00 feet; thence North 1 degrees 45' West, 130.00 feet; thence North 88 degrees 15' East, 210.00 feet; thence South 1 degrees 45' East, 130.00 feet to the Point of Beginning, Columbia County, Florida; and,

Commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right of way line of U.S. Highway No. 27 and run North 01 degrees 45' West, along said East line 532.89 feet to the Point of Beginning; thence South 88 degrees 15' West, 210 feet; thence North 01 degrees 45' West, 130 feet; thence South 88 degrees 15' West, 300 feet; thence North 01 degrees 45' West, 430 feet; thence North 88 degrees 15' East, 510 feet to said East line; thence South 1 degrees 45' East, along said East line 560 feet to the Point of Beginning; and,

Commence at the point of intersection of the North Right-of-Way line of U.S. Highway No. 27 and the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and run North 48 deg. 51' West along the right-of-way line 377 feet to the Point of Beginning; thence continue North 48 deg. 51' West, 196.00 feet; thence North 1 deg. 45' West, 142.6 feet; thence North 88 deg. 15' East, 210.00 feet; thence South 1 deg. 45' East, 210.00 feet; thence South 43 deg. 15' West, 93.7 feet to the Point of Beginning, Being a part of the Southeast 1/4 of the Southeast 1/4; and,

Approximately the West 90 feet of the following property:
Begin at the Intersection of the East line of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right-of-way line of U.S. Highway No. 27 and run North 1 deg. 45' West, along said East line 532.70 feet; thence South 88 deg. 15' West, 210.00 feet; thence North 1 deg. 45' West, 130.00 feet; thence South 88 deg. 15' West, 300.00 feet; thence South 1 deg. 45' East, to the North right-of way line of U.S. Highway No. 27; thence continue in a Southeast direction along the North line of U.S. Highway No. 27 to the Point of Beginning; and,

Begin at a point on the North line of the SE ¼ of the SE ¼ of Section 19, Township 6 South, Range 16 East, 510 feet West of the Northeast corner of said SE ¼ and run thence South parallel to the East line of said Section 19 to the North right-of-way line of State Road No 5A; Thence North 48° 51' West along the North right-of-way line of said State Road No. 5A to the North line of said SE ¼ of the SE ¼; Thence Easterly to the Point of Beginning.

Containing 13.5 acres, more or less.

Tax Parcel Numbers 19-6s-16-03885-000 and 19-6s-16-03880-000

Section 2. A site plan, as described above, is herewith incorporated into this resolution by reference,

shall govern the development and use of the above described property. Any deviation from the site plan shall be deemed a violation of the Land Development Regulations.

Section 3. The use of land approved by this special exception shall be in place, or a valid permit shall be in force for the construction of such land use within twelve (12) months of the effective date of this resolution. If such land use is not in place or if a valid permit for the construction of such land use is not in effect, within twelve (12) months of the effective date of this resolution, this resolution granting with appropriate conditions and safeguards such special exception is thereby revoked and of no force and effect.

Section 4. If the use of land approved by this special exception ceases for any reason for a period of more than six (6) consecutive months, this resolution shall be thereby revoked and of no force and effect.

Section 5. All resolutions or portions of resolutions in conflict with this resolution are hereby repealed to the extent of such conflict.

Section 6. This resolution shall become effective upon adoption.

PASSED AND DULY ADOPTED, in special session with a quorum present and voting, by the Board of Adjustment this 28th day of May 2020.

Attest:

Brandon M. Stubbs, Secretary to the Board of Adjustment

BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA

Robert F. Jordan, Chairman

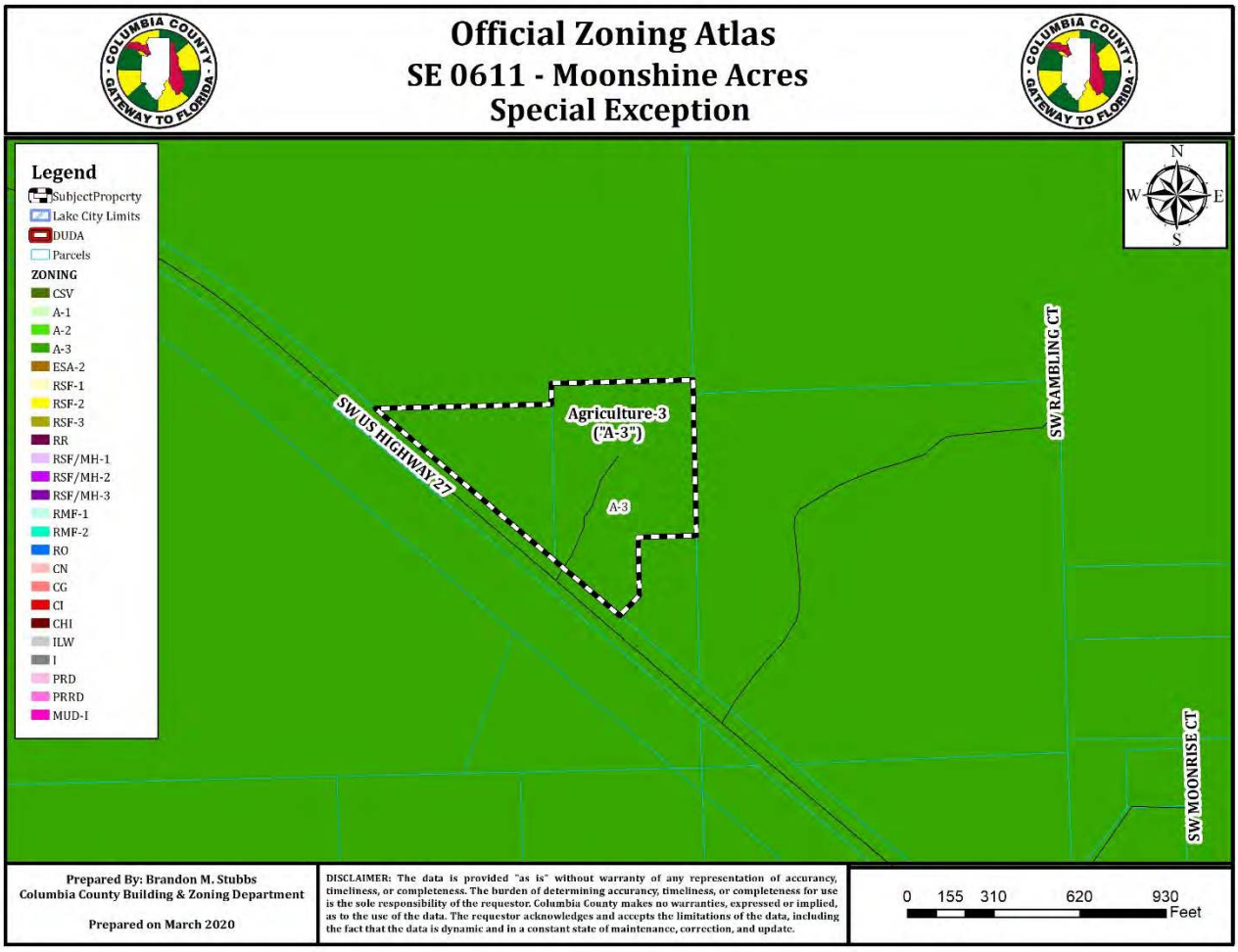
Board of Adjustment Hearing Date: May 28, 2020
Quasi-Judicial Hearing

SUBJECT:	**SE 0611** – A request for a Special Exception pursuant to Section 4.5.7 of the Land Development Regulations ("LDRs") to allow for a Campground use in an Agriculture-3 ("A-3") Zone District on a ±8.00-acre subject property.
APPLICANT/AGENT:	Patrick Gilmore and Jessica Camp
PROPERTY OWNER(S):	Patrick Gilmore and Jessica Camp
LOCATION:	North of SW US Highway 27 and Vacant Agriculture Lands; South of Vacant Agriculture Lands; East of NW US Highway 27 and Vacant Agriculture Lands; West of Vacant Agriculture Lands; Columbia County, Florida.
PARCEL ID NUMBER(S):	19-6s-16-03885-000
ACREAGE:	±13.5 acres
EXISTING FLUM	Agriculture
EXISTING ZONING	Agriculture-3 ("A-3")
PROJECT PLANNER:	Brandon M. Stubbs

SUMMARY

The proposed Special Exception would allow for a Campground use on an approximate 13.5-acre subject property. The subject property is being utilized as a Campground with 41 RV campsites. A Special Exception was granted via SE 0518 and SE 0594. The applicant proposes to expand the Campground to include a maximum of 81 RV campsites and 17 primitive campsites with an office and activity center.

Map 1. Official Zoning Atlas with Subject Property



The Agriculture-3 ("A-3") Zone District is described as follows in Section 4.5.1 of the Land Development Regulations ("LDRs"):

"The "A" Agricultural category includes three zone districts: A-1, A-2 and A-3. Lands in these districts are intended to provide for areas primarily consisting of agricultural and residential uses consistent with the areas as designated agricultural within the county's comprehensive plan."

ZONING DISTRICT COMPARISON

Zoning District:	Agriculture - 3 ("A - 3")
Max. Gross Density:	One (1) Dwelling Unit per Five (5) Acres
Minimum Lot Area	5 Acres
Floor Area Ratio:	0.20
Typical Uses*:	All Agriculture Activities, The Processing, Storage, and Sale of Agricultural Products, Single-Family Dwellings, Mobile Homes, Plant Nurseries and Greenhouses, Homes of six or fewer residents which otherwise meet the definition of a "Community Residential Facility", Public Elementary and Middle Schools, and Churches and other Houses of Worship

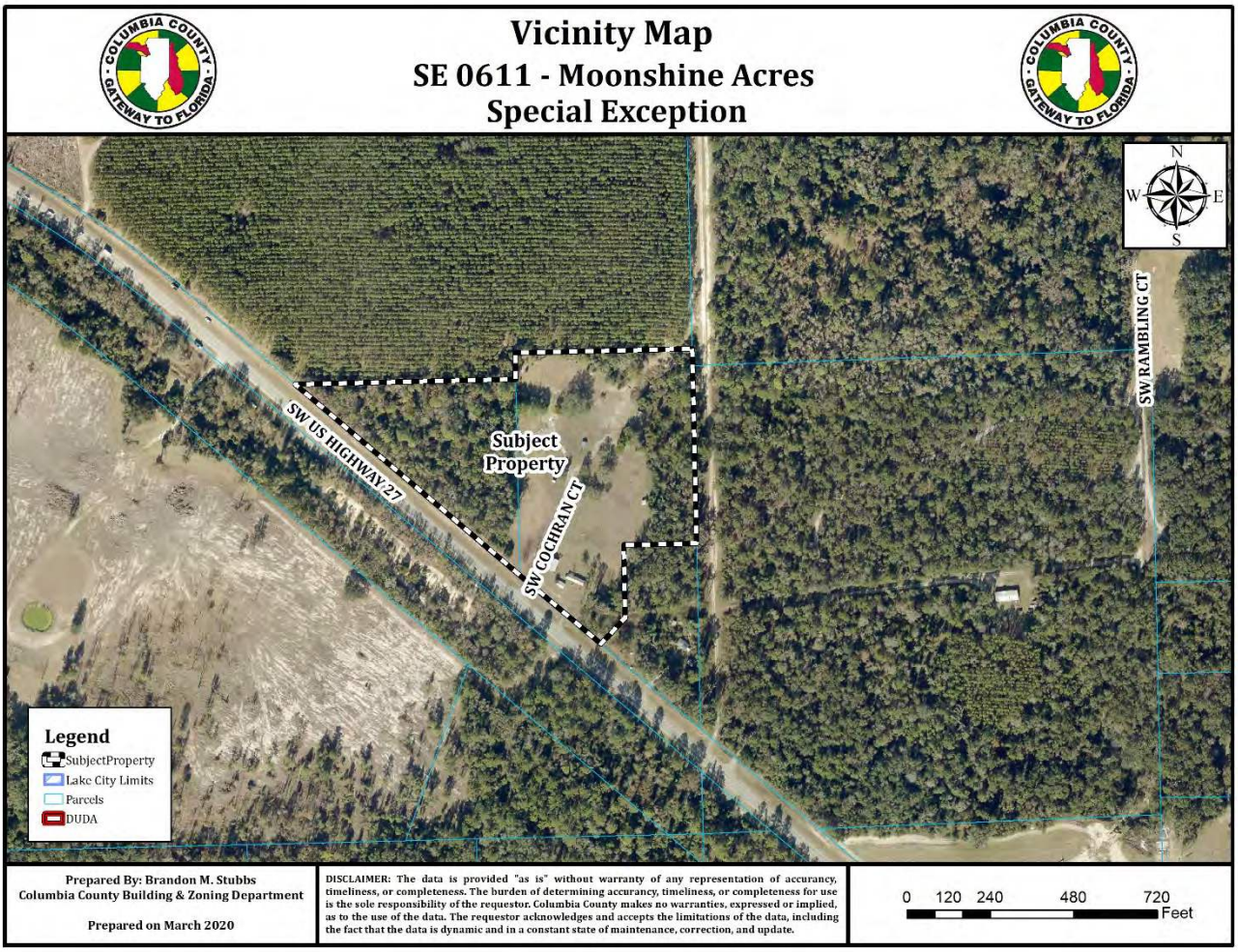
SURROUNDING USES

The existing uses, Future Land Use Map ("FLUM") Designations, and zone districts of the surrounding area are identified in Table 1. Map 2 provides an overview of the vicinity of the subject property.

Table 1. Surrounding Land Uses

Direction	Existing Use(s)	FLUM Designation(s)	Zoning District(s)
North	Vacant Agricultural Lands	Agriculture	Agriculture-3 ("A-3")
South	Vacant Agricultural Lands	Agriculture	Agriculture-3 ("A-3")
East	Vacant Agricultural Lands	Agriculture	Agriculture-3 ("A-3")
West	Vacant Agricultural Lands	Agriculture	Agriculture-3 ("A-3")

Map 2. Vicinity Map



CONSISTENCY WITH THE COMPREHENSIVE PLAN

The Zoning Designation is consistent with the underlying Future Land Use Map ("FLUM") Designation. Below is a chart of the existing FLUM and Zoning Designations.

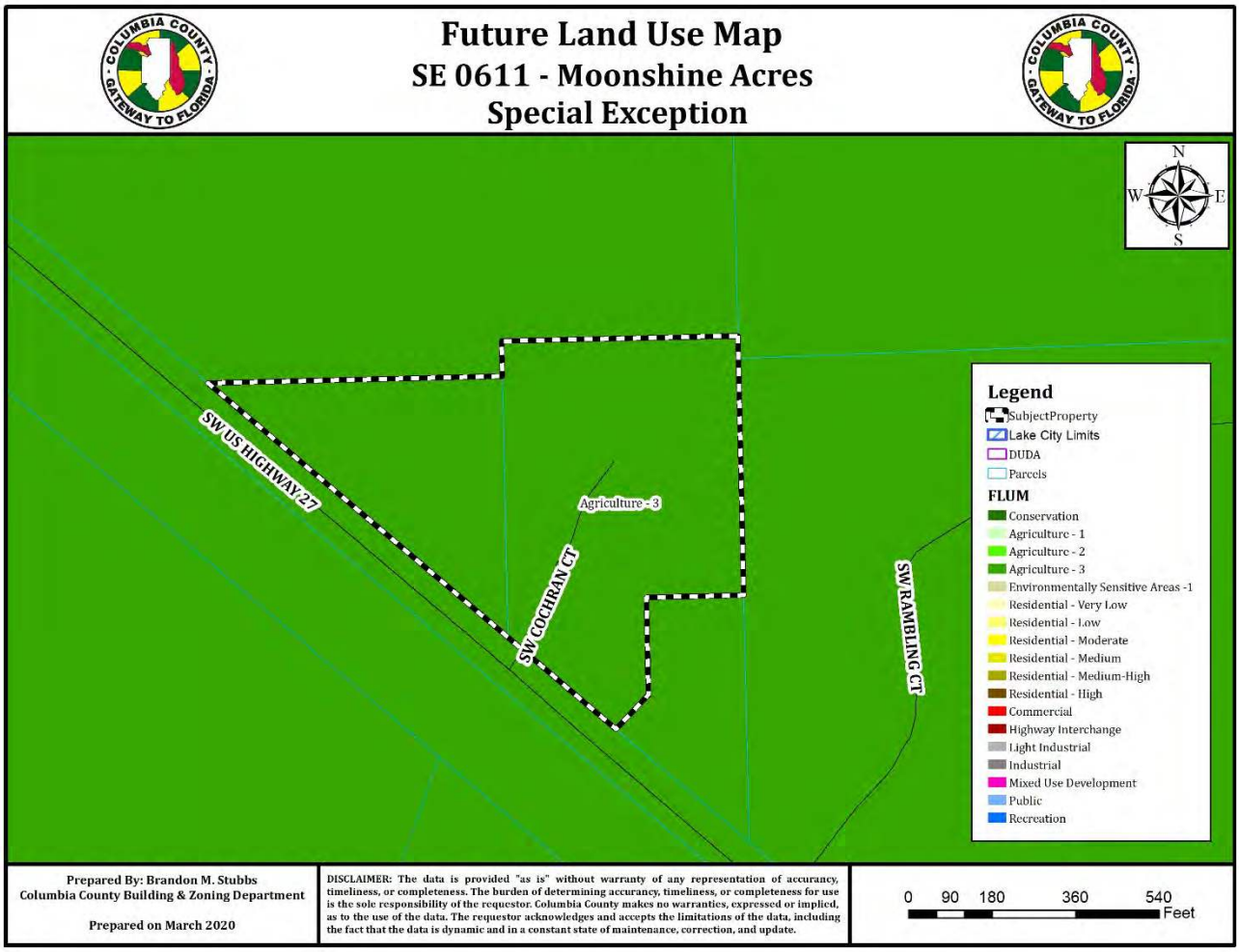
Table 2. Zoning Consistency with Underlying Future Land Use Map Designation

Existing FLUM Designation	Existing Zoning Designation	Consistent
Agriculture	Agriculture-3 ("A-3")	✓

The following Comprehensive Plan Elements have Goals, Objectives, and Policies (GOPs) that support the proposed Site Specific Amendment to the Official Zoning Atlas:

- Future Land Use Element
- Transportation Element
- Capital Improvements Element

Map 3. Future Land Use Map Designation



Staff has reviewed the application for a Site Specific Amendment to the Official Zoning Atlas for consistency with the Comprehensive Plan and finds the application consistent with the Comprehensive Plan and the Goals, Objectives, and Policies (GOPs) therein.

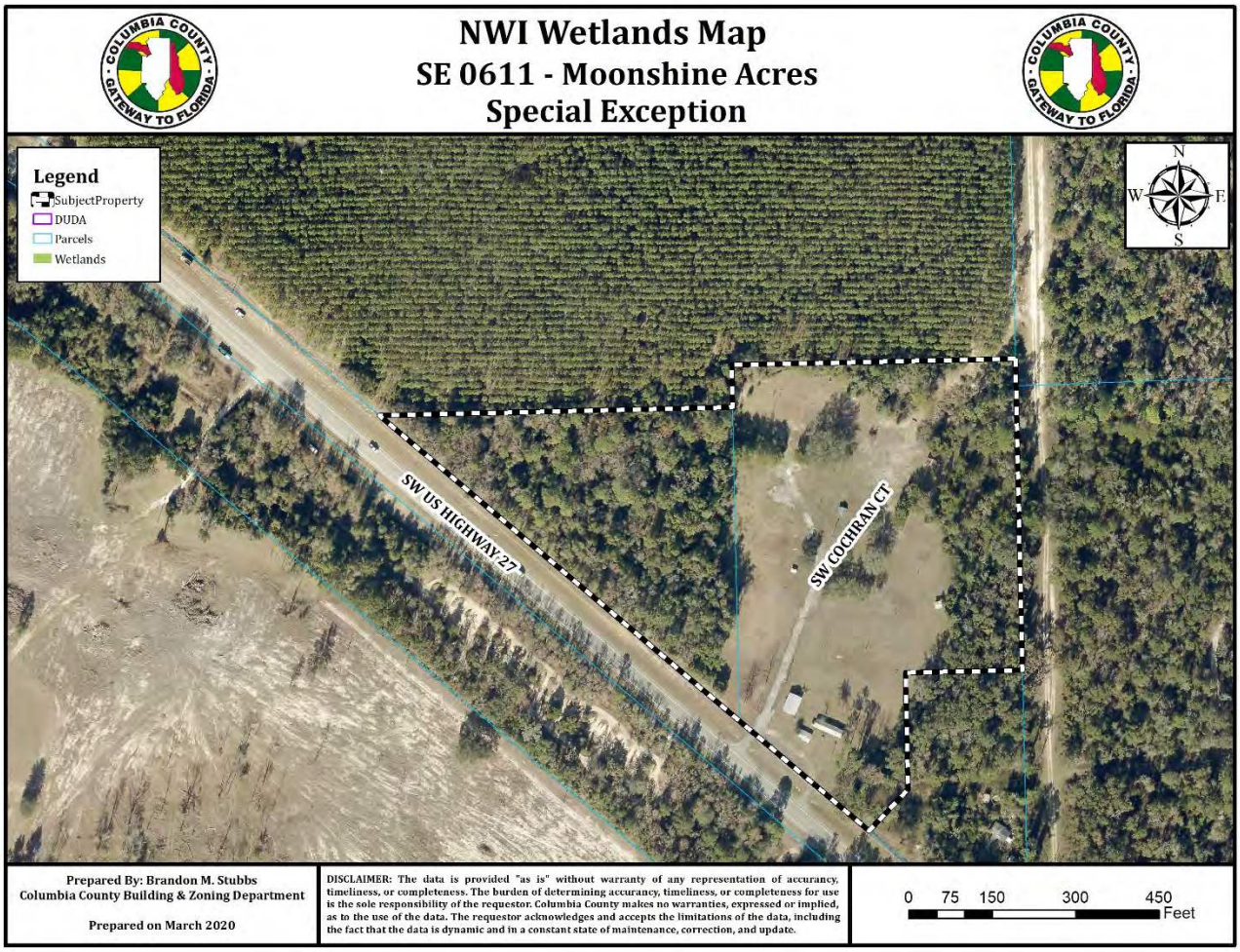
ENVIRONMENTAL CONDITIONS ANALYSIS

Wetlands

According to Illustration A-VI of the Comprehensive Plan, entitled Wetlands Areas, which is based upon the National Wetlands Inventory, dated 1987, and the National Wetlands Reconnaissance Survey, dated 1981, there are no wetlands located on the subject property.

Evaluation: Given there are no wetlands on the subject property, there are no issues related to wetland protection.

Map 4. Wetlands Map



Soil Survey

Each soil type found on the subject property is identified below. The hydrologic soil group is an indicator of potential soil limitations. The hydrologic soil group, as defined for each specific soil, refers to a group of soils which have been categorized according to their runoff-producing characteristics. These hydrologic groups are defined by the Soil Survey of Columbia County, Florida, dated October 1984. The chief consideration with respect to runoff potential is the capacity of each soil to permit infiltration (the slope and kind of plant cover are not considered, but are separate factors in predicting runoff). There are four hydrologic groups: A, B, C, and D. "Group A" soils have a higher infiltration rate when thoroughly wet and therefore have a lower runoff potential. "Group D" soils have very lower infiltration rates and therefore a higher runoff potential.

There are four (4) soil types found on the subject property:

1) Alpin fine sand soils (0 to 5 percent slope) are excessively drained, nearly level to gently sloping soils on broad, slightly elevated ridges. The surface and subsurface layers are comprised of fine sand to a depth of 52 inches. The subsoil layer is comprised of fine sandy loam to a depth of 80 inches or more. Alpin fine sand soils (0 to 5 percent slope) have slight limitations for building site development and moderate limitations for septic tank absorption fields.
2) Alpin fine sand soils (5 to 12 percent slopes) are excessively drained, sloping to strongly sloping soils on broad, slightly elevated ridges. The surface and subsurface layers are comprised of fine sand to a depth of 65 inches. The subsoil layer is comprised of fine sandy loam to a depth of 80 inches or more. Alpin fine sand soils (5 to 12 percent slope) have slight limitations for building site development and moderate limitations for septic tank absorption

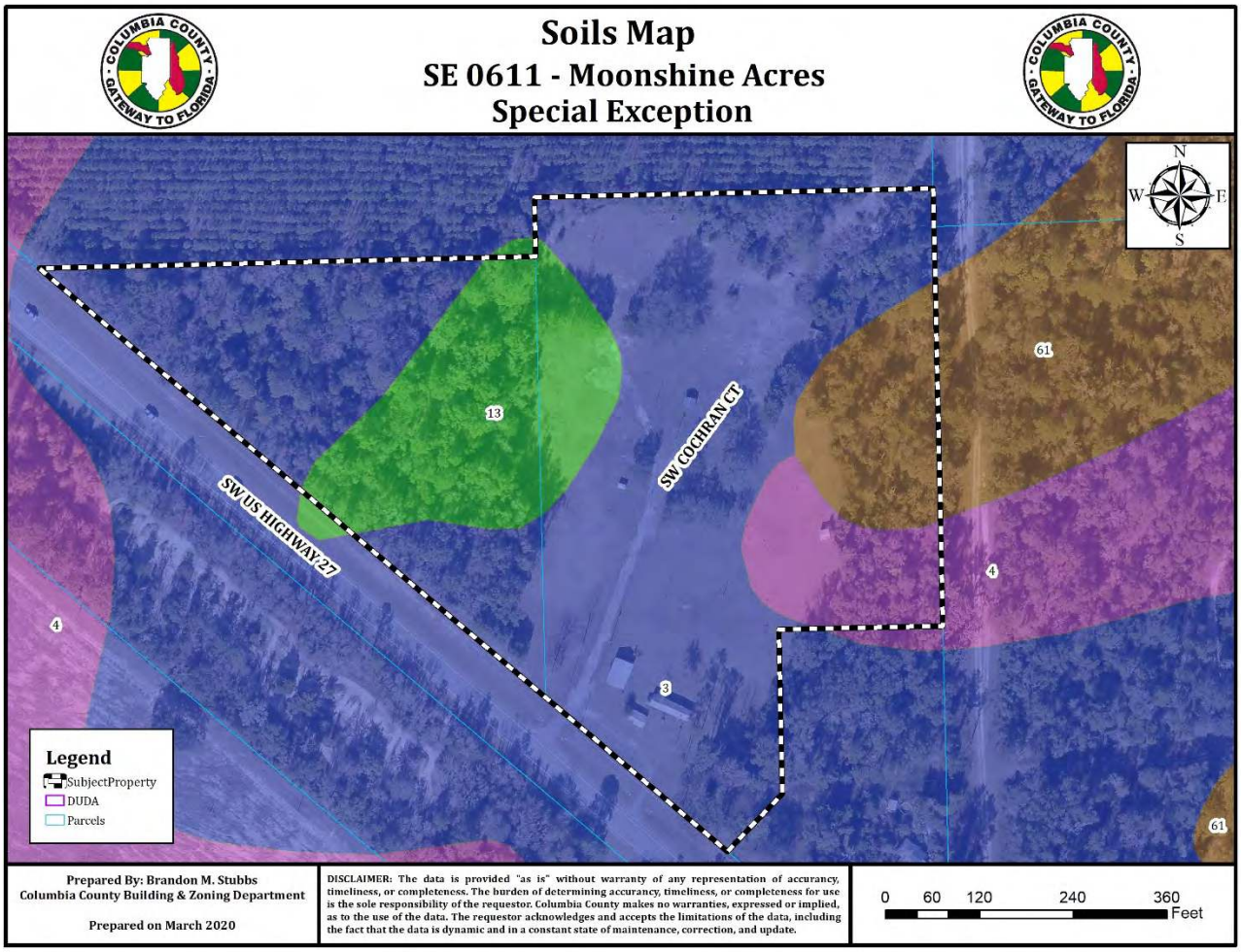
fields.

3) Bonneau fine sand soils (2 to 5 percent slopes) are moderately well drained, gently sloping soils on uplands and on knolls in the uplands. The surface and subsurface layers are comprised of fine sand to a depth of 27 inches. The subsoil layer is comprised of fine sandy loam and sandy clay loam to a depth of 80 inches. Bonneau fine sand soils (2 to 5 percent slopes) have slight limitations for building site development and moderate limitations for septic tank absorption fields.

4) Udorthents (0 to 2 percent slope) are soils near abandoned phosphate mining areas. They formed in refuse that was washed from phosphate and limestone during mining operations. The refuse was deposited over nearby soils to a thickness of 20 to 50 inches or more. The texture and thickness of the soil layers vary, but more common is a surface layer of silt loam of about 1 inch thick. The next layer is silty clay loam about 9 inches thick. The third layer a silty clay of 22 inches thick. The subsurface layer is usually an undisturbed buried soils to a depth of 80 inches or more. Udorthents (0 to 2 percent slope) have severe limitations for building site development and septic tank absorption fields.

Evaluation: The soil type predominantly found on the subject property is Alpin fine sand soils. Alpin fine sand soils pose moderate limitations for septic tank absorption field and slight limitations for building sites. At this time, there are no issues related to soil suitability.

Map 5. Soils Map

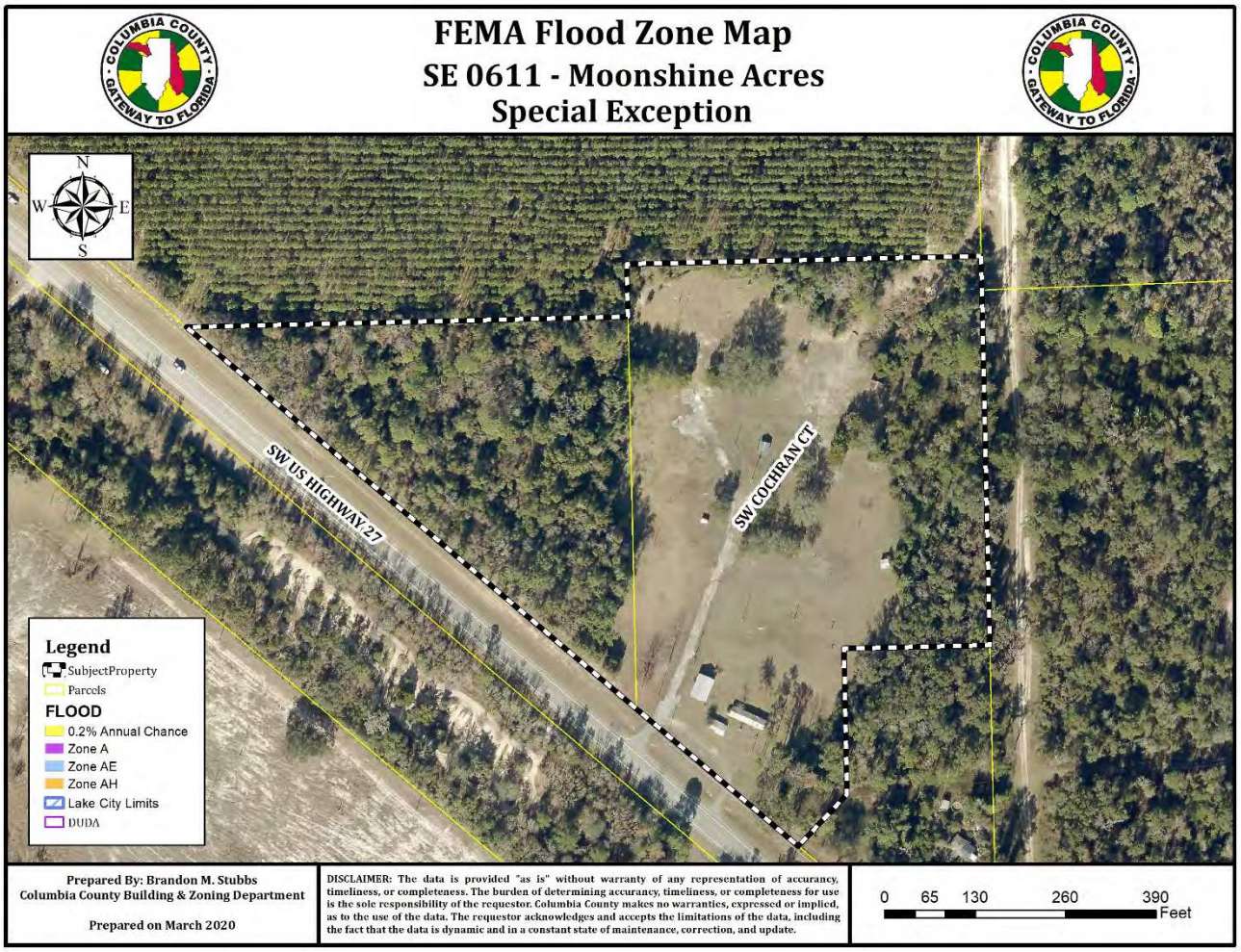


Flood Potential

Panel 0480C of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Series, dated February 4, 2009, indicates that the subject property is located in Flood Zone "X" (areas determined to be outside of the 500-year floodplain).

Evaluation: Given the subject property is not located in a flood zone, there is no concern of flood on the subject property.

Map 6. FEMA FIRM Map (Flood Map)

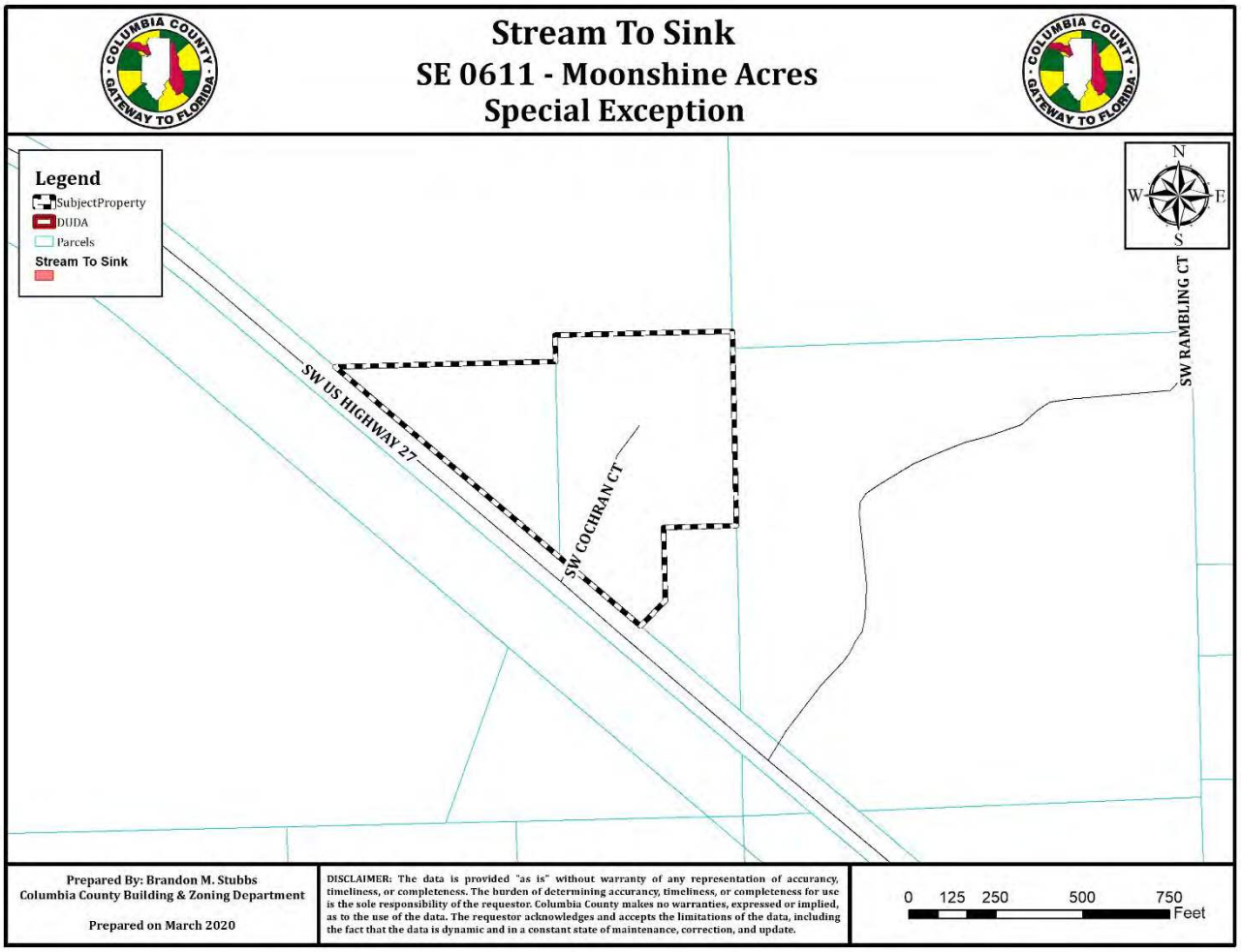


Stream to Sink

According to the Stream to Sink Watersheds, prepared by the Suwannee River Water Management District and adopted by the Board of County Commissioners, dated June 2, 2001, the subject property is not located within a stream to sink area.

Evaluation: Section 4.2.38 of the County's LDRs regulates Stream to Sink watershed areas. At this time, there is no concern related to Stream to Sink Watersheds.

Map 7. Stream to Sink Map (SRWMD)



Minerals

According to Illustration A-VII of the Comprehensive Plan, entitled Minerals, which is based upon Natural Resources, prepared by the Florida Department of Environmental Protection, 2012, the subject property is within an area known to contain Limestone.

Evaluation: There are no issues related to minerals.

Historic Resources

According to Illustration A-II of the Comprehensive Plan, entitled Historic Resources, which is based upon the Florida Division of Historical Resources, Master Site File, dated 2013, there are no known historic resources located on the subject property.

Evaluation: There are no issues related to historic Resources.

Aquifer Vulnerability

According to the Columbia County Floridan Aquifer System Protection Zone Map, prepared by the Advance GeoSpacial Inc., dated September 29, 2009, the subject property is located in a more vulnerable area.

Evaluation: While the subject property is located in a more vulnerable area, there is no issue related to aquifer vulnerability.

Vegetative Communities/Wildlife

According to Illustration V-I of the Data and Analysis Report, entitled Vegetative Communities, the subject property is located within a non-vegetative community.

Evaluation: There is no known wildlife habitats associated with a non-vegetative community; therefore, there is no issue related to vegetative communities or wildlife.

COMPLIANCE WITH THE COMPREHENSIVE PLAN AND LAND DEVELOPMENT REGULATIONS

The Future Land Use Element of the Comprehensive Plan and Section 12.2.1 of the Land Development Regulations ("LDRs") establish standards with which all Special Exception applications must be found to be compliant. Staff's evaluation of the application's compliance with the applicable standards of the Future Land Use Element of the Comprehensive Plan and Section 12.2.1 of the LDRs is provided below.

1) Ingress and egress to property and proposed structures thereon with particular reference to automotive and pedestrian safety and convenience, traffic flow and control, and access in case of fire or catastrophe.

Evaluation and Findings: The applicant has submitted a site plan with the request for a Special Exception that provides means of ingress and egress to the property and proposed travel trailer sites. There are no issues related to ingress and egress, pedestrian safety, traffic flow and control, or fire access.

2) Off-street parking and loading areas, where required, with particular attention to the items in [subsection] (1) above and the economic, noise, glare, or odor effects of the special exception on adjoining properties and properties generally in the district.

Evaluation and Findings: The applicant has provided adequate parking on-site.

3) Refuse and service areas, with particular reference to the items in [subsections] (1) and (2) above.

Evaluation and Findings: The subject property has existing refuse and service areas; therefore, no issue related to refuse and service areas exits.

4) Utilities, with reference to locations, availability, and compatibility.

Evaluation and Findings: The site already has adequate utilities on-site to service the proposed use and will not have any effect of utilities.

5) Screening and buffering with reference to type, dimensions, and character.

Evaluation and Findings: No other buffers are required in accordance with the LDRs.

6) Signs, if any, and proposed exterior lighting with reference to glare, traffic safety, economic effects, and compatibility and harmony with properties in the district.

Evaluation and Findings: The applicant is not proposing any advertising signage at this time.

7) Required yards and other open space.

Evaluation and Findings: The site plan indicates that the required setback and open space standards have been met.

8) Considerations relating to general compatibility with adjacent properties and other property in the district including, but not limited to:

a) Whether the proposed use would be in conformance with the county's comprehensive plan and would have an adverse effect on the comprehensive plan;

Evaluation and Findings: The proposed use is consistent with the Columbia County Comprehensive Plan. See Comprehensive Plan consistency report in previous section of this report.

b) Whether the proposed use is compatible with the established land use pattern;

Evaluation and Findings: The proposed use is a Campground. The subject property has been utilized as a Campground in the past and is in close proximity to other Campgrounds. It is not anticipated the proposed use would be incompatible with adjacent uses.

c) Whether the proposed use would materially alter the population density pattern and thereby increase or overtax the load on public facilities such as schools, utilities, and streets;

Evaluation and Findings: The proposed use is a Campground. It is not anticipated the proposed use will increase or overtax the load on public facilities.

d) Whether changed or changing conditions find the proposed use to be advantageous to the community and the neighborhood;

Evaluation and Findings: It is not anticipated that the proposed use would be advantageous to the community or neighborhood.

e) Whether the proposed use will adversely influence living conditions in the neighborhood;

Evaluation and Findings: It is not anticipated that the proposed use will adversely influence the living conditions of the neighborhood.

f) Whether the proposed use will create or excessively increase traffic congestion or otherwise affect public safety;

Evaluation and Findings: The proposed use should not create any impacts to public facilities, including traffic.

g) Whether the proposed use will create a drainage problem;

Evaluation and Findings: The proposed use will not create an additional impervious surfacing; therefore, the proposed use should not create a drainage problem.

h) Whether the proposed use will seriously reduce light and air to adjacent areas;

Evaluation and Findings: The proposed amendment will not seriously reduce light or air to adjacent areas.

i) Whether the proposed use will adversely affect property values in the adjacent area;

Evaluation and Findings: It is not anticipated that the proposed use will affect property values of the adjacent area.

j) Whether the proposed use will be a deterrent to the improvement or development of adjacent property in accord with existing regulations; and

Evaluation and Findings: It is not anticipated that the proposed use would be a deterrent to the improvement or development of adjacent properties.

k) Whether the proposed use is out of scale with the needs of the neighborhood or the community.

Evaluation and Findings: The proposed use is not out of scale with the needs of the neighborhood or the county.

PUBLIC FACILITIES IMPACT

Traffic Impact

Table 3. Affected Comprehensive Plan Roadway Segments[1]

Segment Number[2]	Segment Description	Lanes	Functional Classification	Area Type	LOS
36(37)	U.S. Highway 27 (From County's Southwest Boundary to Centerville Rd)	2U	Principal Arterial	Highway Rural	D

1 Source: Columbia County Comprehensive Plan, Capital Improvements Element.
2 FDOT roadway segment number shown in parenthesis (when applicable.) For the purposes of concurrency management, Columbia County Comprehensive Plan segments that make up a portion of a larger FDOT roadway segment will be evaluated together when determining post development roadway capacity.

Table 4. Trip Generation[1]

Land Use	AADT	PM Peak Hour
Recreational Vehicle Park[2] (ITE Code 416)	N/A	16
Total	**N/A**	**16**

1 Source: ITE Trip Generation, 8th Edition.
2 Formulas: AADT – ITE, 8th Edition: ADT – No Data Provided Per ITE Manual; PM Peak Hour – 0.41 trips per campsite x 40 campsites .

Table 5. Projected Impact on Affected Comprehensive Plan Roadway Segments

Traffic System Category	U.S. 27 Segment 36[1]
Maximum Service Volume[2]	14,200
Existing Traffic[3]	4,105
Reserved Trips[4]	0
Available Capacity[4]	10,095
Projected Daily Trips[5]	N/A
Residual Capacity[6]	**N/A**
PM Peak Hour Traffic Analysis	U.S. 27 Segment 36[1]
Maximum Service Volume[2]	1,350
Existing Traffic[3]	390
Reserved Trips[4]	0
Available Capacity[4]	960
Projected PM Peak Hour Trips[5]	16
Residual Capacity[6]	**946**

1 FDOT roadway segment number shown in parenthesis (when applicable.) For the purposes of concurrency management, Columbia County Comprehensive Plan segments that make up a portion of a larger FDOT roadway segment will be evaluated together when determining post development roadway capacity.
2 Source: FDOT 2013 Quality/Level of Service Handbook, Generalized Annual Average Daily Volumes and Generalized Peak Hour Two-Way Volumes for Rural Undeveloped Areas.
3 Florida Department of Transportation, District II, 2014 Annual Average Daily Traffic Report.
4 Source: Columbia County September 2019 Concurrency Monitoring Report.
5 Trip Distributions
6 The application is for a Final Development Order. Facility capacity and concurrency will be reserved.

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) of the roadway segment identified above; therefore, the demand generated by the development is acceptable.

Potable Water Impacts

The site is not located within a community potable water system service area. Consequently, the use to be located on the site will be served by individual water well. The individual water well is anticipated to meet or exceed the adopted level of service standard for potable water established within the Comprehensive Plan.

The proposed special exception will result in the location of 13 additional Travel Trailers to be located on the site.

An average Travel Trailer is estimated to utilize 75 Gallon Per Day (GPD) per unit.

40 units x 75 GPD = 3,000 gallons of potable water generated per day.

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) for potable water facilities; therefore, the demand generated by the development is acceptable.

Sanitary Sewer Impacts

The site is not located within a community centralized sanitary sewer system service area. Consequently, the use to be located on the site will be served by individual septic tank. The individual septic tank is anticipated to meet or exceed the adopted level of service standard for sanitary sewer established within the Comprehensive Plan.

The proposed special exception will result in the location of 13 additional Travel Trailers to be located on the site.

An average Travel Trailer is estimated to utilize 75 Gallon Per Day (GPD) per unit.

40 units x 75 GPD = 3,000 gallons of sanitary sewer generated per day.

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) for sanitary sewer facilities; therefore, the demand generated by the development is acceptable.

Solid Waste Impacts

Solid waste facilities for the use to be located on the site are provided at the County sanitary landfill, the level of service standard established within the Comprehensive Plan for the provision of solid waste disposal is currently being met or exceeded.

The proposed special exception will result in the location of 13 additional Travel Trailers to be located on the site.

Based upon an average of 0.73 ton of solid waste generated per person per year x 2.5 persons per household = 1.825 tons per equivalent dwelling unit per year.

40 travel trailers x 1.825 (tons per year per equivalent dwelling unit per year) = 73 ton of solid waste generated per year (400 pounds per day).

Total County average solid waste disposal per day (including municipalities) = 257,955 pounds per day. Based upon the annual projections of solid waste disposal at the landfill for 2015, solid waste facilities are

anticipated to continue to meet or exceed the adopted level of service standard for solid waste facilities, as provided in the Comprehensive Plan, after adding the solid waste demand generated by a charter public school.

Evaluation: The impacts generated by the development will not adversely affect the Level of Service (LOS) of solid waste facilities; therefore, the demand generated by the development is acceptable.

Recreation Facilities

The proposed development is recreation in nature; therefore, there are no impacts to recreation facilities. The development will have no impact to the Level of Service (LOS) of recreation facilities.

Public School Facilities

The proposed development is nonresidential in nature; therefore, there are no impacts to public school facilities. The development will have no impact to the Level of Service (LOS) of public school facilities.

Application for Special Exception

Moonshine Acres RV Park

10089 SW U.S. Highway 27
Fort White, FL 32038

Ryan Gilmore & Jessica Camp
Owners

Columbia County Gateway to Florida

FOR PLANNING USE ONLY
Application # SE 0611
Application Fee $750.00
Receipt No. 748608
Filing Date 01-14-2020
Completeness Date _____

Special Exception Application

A. PROJECT INFORMATION

1. Project Name: Moonshine Acres RV Park
2. Address of Subject Property: 10089 SW US Hwy 27 Fort White, FL 32038
3. Parcel ID Number(s): 19-6S-16-03885-000 and 19-6S-16-03880-000
4. Future Land Use Map Designation: AG3
5. Zoning Designation: AG3
6. Acreage: 13.5 acres
7. Existing Use of Property: RV Park - 41 RV Sites
8. Proposed use of Property: RV Park - 72 RV sites, 16 Cabins, 14 Glamping Tents
9. Section of the Land Development Regulations ("LDRs") for which a Special Exception is requested (Provide a Detailed Description): 4.5.7 (Eight)

B. APPLICANT INFORMATION

1. Applicant Status ■ Owner (title holder) □ Agent
2. Name of Applicant(s): Patrick Gilmore & Jessica Camp Title: Owners
   Company name (if applicable): RJ Industries LLC dba Moonshine Acres RV Park
   Mailing Address: 14991 NE Jacksonville Rd
   City: Citra State: FL Zip: 32113
   Telephone: (904) 476-6595 Fax: (___)_____ Email: rgilmore17@gmail.com

   PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
3. If the applicant is agent for the property owner*.
   Property Owner Name (title holder): _____
   Mailing Address: _____
   City: _____ State: _____ Zip: _____
   Telephone: (___)_____ Fax: (___)_____ Email: _____

   PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.
   ***Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.**

C. ADDITIONAL INFORMATION

1. Is there any additional contract for the sale of, or options to purchase, the subject property?
   If yes, list the names of all parties involved: Teresa Mahlmann & Carl Meier
   If yes, is the contract/option contingent or absolute: □ Contingent ■Absolute
2. Has a previous application been made on all or part of the subject property:
   Future Land Use Map Amendment: □Yes _____ ■No _____
   Future Land Use Map Amendment Application No. CPA_____
   Rezoning Amendment: □Yes _____ ■No _____
   Rezoning Amendment Application No. Z_____
   Site Specific Amendment to the Official Zoning Atlas (Rezoning): □Yes _____ ■No _____
   Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. Z_____
   Variance: □Yes _____ ■No _____
   Variance Application No. V_____
   Special Exception: ■Yes _____ □No_____
   Special Exception Application No. SE 0594

D. ATTACHMENT/SUBMITTAL REQUIREMENTS

1. Analysis of Section 12.2.1.(3)(h) of the Land Development Regulations ("LDRs"):
   a. Whether the proposed use would be in conformance with the county's comprehensive plan and would have an adverse effect on the comprehensive plan.
   b. Whether the proposed use is compatible with the established land use pattern.
   c. Whether the proposed use would materially alter the population density pattern and thereby increase or overtax the load on public facilities such as schools, utilities, and streets.
   d. Whether changed or changing conditions find the proposed use to be advantageous to the community and the neighborhood.
   e. Whether the proposed use will adversely influence living conditions in the neighborhood.
   f. Whether the proposed use will create or excessively increase traffic congestion or otherwise affect public safety.
   g. Whether the proposed use will create a drainage problem.
   h. Whether the proposed use will seriously reduce light and air to adjacent areas.
   i. Whether the proposed use will adversely affect property values in the adjacent area.
   j. Whether the proposed use will be a deterrent to the improvement or development of adjacent property in accord with existing regulations.
   k. Whether the proposed use is out of scale with the needs of the neighborhood or the community

2. Vicinity Map – Indicating general location of the site, abutting streets, existing utilities, complete legal description of the property in question, and adjacent land use.

3. Site Plan – Including, but not limited to the following:
   a. Name, location, owner, and designer of the proposed development.
   b. Present zoning for subject site.
   c. Location of the site in relation to surrounding properties, including the means of ingress and egress to such properties and any screening or buffers on such properties.
   d. Date, north arrow, and graphic scale not less than one inch equal to 50 feet.
   e. Area and dimensions of site (Survey).
   f. Location of all property lines, existing right-of-way approaches, sidewalks, curbs, and gutters.
   g. Access to utilities and points of utility hook-up.
   h. Location and dimensions of all existing and proposed parking areas and loading areas.
   i. Location, size, and design of proposed landscaped areas (including existing trees and required landscaped buffer areas).
   j. Location and size of any lakes, ponds, canals, or other waters and waterways.
   k. Structures and major features fully dimensioned including setbacks, distances between structures, floor area, width of driveways, parking spaces, property or lot lines, and percent of property covered by structures.
   l. Location of trash receptacles.

4. Stormwater Management Plan—Including the following:
   a. Existing contours at one foot intervals based on U.S. Coast and Geodetic Datum.
   b. Proposed finished elevation of each building site and first floor level.
   c. Existing and proposed stormwater management facilities with size and grades.
   d. Proposed orderly disposal of surface water runoff.
   e. Centerline elevations along adjacent streets.
   f. Water management district surface water management permit.

5. Fire Department Access and Water Supply Plan: The Fire Department Access and Water Supply Plan must demonstrate compliance with Chapter 18 of the Florida Fire Prevention Code, be located on a separate signed and sealed plan sheet, and must be prepared by a professional fire engineer licensed in the State of Florida. The Fire Department Access and Water Supply Plan must contain fire flow calculations in accordance with the Guide for Determination of Required Fire Flow, latest edition, as published by the Insurance Service Office ("ISO") and/or Chapter 18, Section 18.4 of the Florida Fire Prevention Code, whichever is greater.

6. Concurrency Impact Analysis: Concurrency Impact Analysis of impacts to public facilities. For commercial and industrial developments, an analysis of the impacts to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts are required.

7. Comprehensive Plan Consistency Analysis: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies).

8. Legal Description with Tax Parcel Number (In Microsoft Word Format).

9. Proof of Ownership (i.e. deed).

10. Agent Authorization Form (signed and notarized).

11. Proof of Payment of Taxes (can be obtained online via the Columbia County Tax Collector's Office).

12. Fee. The application fee for a Special Exception Application is $750. No application shall be accepted or processed until the required application fee has been paid.

NOTICE TO APPLICANT

All twelve (12) attachments are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Board of Adjustment.

For submittal requirements, please see the Columbia County Building and Zoning Development Application Submittal Guidelines.

Before any Special Exception shall be granted, the Board of Adjustment shall make a specific finding that it is empowered under Article 4 of the Land Development Regulations to grant the Special Exception described in the petition, and that the granting of the Special Exception will not adversely affect the public interest. Before any Special Exception shall be granted, the Board of Adjustment shall further make a determination that the specific rules governing the individual Special Exception, if any, have been met by the petitioner and that, further, satisfactory provision and arrangement has been made.

In granting any Special Exception to the provisions of Article 4 of the Land Development Regulations, the Board of Adjustment may prescribe appropriate conditions and safeguards in conformity with such regulations, including but not limited to, reasonable time limits within which the action for which the Special Exception requested shall be begun or completed, or both. Violation of such conditions and safeguards, when made a part of the terms under which the Special Exception is granted, shall be deemed a violation of the Land Development Regulations.

The Board of Adjustment requires that the applicant or representative be present at the public hearing to address and answer any questions the Board may have during the public hearing. The application may be continued to future dates if the applicant or representative is not present at the hearing.

The Columbia County Land Development Regulations require that a sign must be posted on the property ten (10) days prior to the Board to Adjustment hearing date. Once a sign has been posted, it is the property owner's responsibility to notify the Planning and Zoning Department if the sign has been moved, removed from the property, torn down, defaced or otherwise disturbed so the property can be reposted. If the property is not properly posted until all public hearings before the Board of Adjustment are completed, the Board reserves the right to continue such public hearing until such time as the property can be property posted for the required period of time.

There is a thirty (30) day appeal period after the date of the decision. No additional permitting will be issued until that thirty (30) day period has expired.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

APPLICANT ACKNOWELDGES THAT THE APPLICANT OR REPRESENTATIVE MUST BE PESENT AT THE PUBLIC HEARING BEFORE THE BOARD OF ADJUSTMENT, OTHERWISE THE REQUEST MAYBE CONTINUED TO A FUTURE HEARING DATE.

PATRICK RYAN GILMORE

Applicant/~~Agent~~ Name (Type or Print)

Applicant/Agent Signature

1/10/2020

Date

Analysis of Section 12.2.1 of the Land Development Regulations

After review of the Land Development Regulations, specifically Section 12.2.1, and Policy I.2.2 of the Comprehensive Plan, Moonshine Acres RV Park would be in conformance with Columbia County's comprehensive plan, as they allow travel trailer parks to be constructed on Agriculture-zoned properties. Further, there is already a Special Exception granted and active for the property; we only seek to increase the number of approved RV Sites from 41 to 72, and to add 16 camping cabins and 14 glamping tents. The current & proposed use of the property is compatible with the established land use pattern per the Comprehensive plan, and since the property already has the special exception in place there is no drastic change to the land use. The RV Park will not materially alter the population density pattern since it will be occupied by tourists, and in turn, would not place any additional load on public facilities such as schools & streets.

With the increase in RV ownership throughout Florida and the SE United States, granting this exception would bring even more visitors to the area, which means increased revenue for local business owners along with the county & state governments. The location of Moonshine Acres RV Park is rural, with only one sole resident present within the vicinity, so the Park would be of no detriment to the living conditions of the neighborhood. The increase in traffic to the Park will be miniscule, so no adverse effect on traffic conditions is foreseen.

As you can see from the Site Plan for Moonshine Acres, the property will be very open, with over 75% of the land remaining grass, and the roadways will be gravel. The proposed use of the property will not cause any change to the light and air quality of the adjacent areas since the property is surrounded on three sides by wooded land. The Park should only drive surrounding property values to increase, as our purchase price is already higher than current market value for acreage in the area, and local business should also increase, making those organizations more valuable.

Moonshine Acres will be unlike any other RV Park/Campground in the area and will attract a more affluent crowd, which in turn means more revenue to local businesses and driving more development to the area. There are 18 registered RV's in Florida for every 1 RV Site, and with Ichetucknee Springs receiving over 250,000 visitors per year, there is a huge demand that is not being met by the existing Parks/Campgrounds. In conclusion, granting the increase in RV Sites is a win/win for Columbia County and the Fort White area.

Vicinity Map

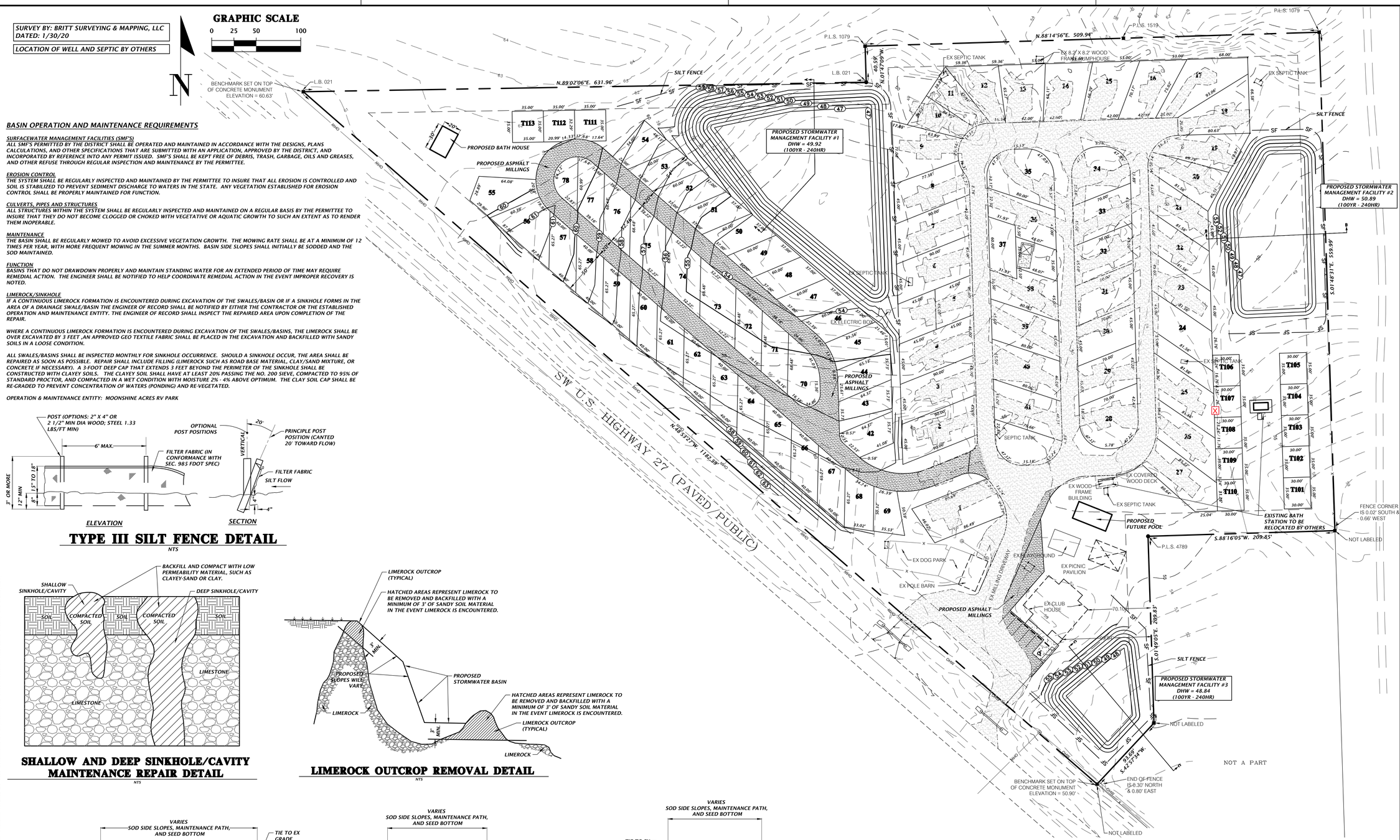

SW JUNCTION RD
SW US HIGHWAY 27
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8

Site Plan

SURVEY BY: BRITT SURVEYING & MAPPING, LLC
DATED: 1/30/20

LOCATION OF WELL AND SEPTIC BY OTHERS

GRAPHIC SCALE
0 25 50 100



BASIN OPERATION AND MAINTENANCE REQUIREMENTS

SURFACEWATER MANAGEMENT FACILITIES (SMF'S)
ALL SMF'S PERMITTED BY THE DISTRICT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE DESIGNS, PLANS CALCULATIONS, AND OTHER SPECIFICATIONS THAT ARE SUBMITTED WITH AN APPLICATION, APPROVED BY THE DISTRICT, AND INCORPORATED BY REFERENCE INTO ANY PERMIT ISSUED. SMF'S SHALL BE KEPT FREE OF DEBRIS, TRASH, GARBAGE, OILS AND GREASES, AND OTHER REFUSE THROUGH REGULAR INSPECTION AND MAINTENANCE BY THE PERMITTEE.

EROSION CONTROL
THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE PERMITTEE TO INSURE THAT ALL EROSION IS CONTROLLED AND SOIL IS STABILIZED TO PREVENT SEDIMENT DISCHARGE TO WATERS IN THE STATE. ANY VEGETATION ESTABLISHED FOR EROSION CONTROL SHALL BE PROPERLY MAINTAINED FOR FUNCTION.

CULVERTS, PIPES AND STRUCTURES
ALL STRUCTURES WITHIN THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED ON A REGULAR BASIS BY THE PERMITTEE TO INSURE THAT THEY DO NOT BECOME CLOGGED OR CHOKED WITH VEGETATIVE OR AQUATIC GROWTH TO SUCH AN EXTENT AS TO RENDER THEM INOPERABLE.

MAINTENANCE
THE BASIN SHALL BE REGULARLY MOWED TO AVOID EXCESSIVE VEGETATION GROWTH. THE MOWING RATE SHALL BE AT A MINIMUM OF 12 TIMES PER YEAR, WITH MORE FREQUENT MOWING IN THE SUMMER MONTHS. BASIN SIDE SLOPES SHALL INITIALLY BE SODDED AND THE SOD MAINTAINED.

FUNCTION
BASINS THAT DO NOT DRAWDOWN PROPERLY AND MAINTAIN STANDING WATER FOR AN EXTENDED PERIOD OF TIME MAY REQUIRE REMEDIAL ACTION. THE ENGINEER SHALL BE NOTIFIED TO HELP COORDINATE REMEDIAL ACTION IN THE EVENT IMPROPER RECOVERY IS NOTED.

LIMEROCK/SINKHOLE
IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASIN OR IF A SINKHOLE FORMS IN THE AREA OF A DRAINAGE SWALE/BASIN THE ENGINEER OF RECORD SHALL BE NOTIFIED BY EITHER THE CONTRACTOR OR THE ESTABLISHED OPERATION AND MAINTENANCE ENTITY. THE ENGINEER OF RECORD SHALL INSPECT THE REPAIRED AREA UPON COMPLETION OF THE REPAIR.

WHERE A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASINS, THE LIMEROCK SHALL BE OVER EXCAVATED BY 3 FEET ,AN APPROVED GEO TEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATION AND BACKFILLED WITH SANDY SOILS IN A LOOSE CONDITION.

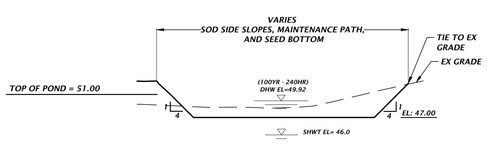
ALL SWALES/BASINS SHALL BE INSPECTED MONTHLY FOR SINKHOLE OCCURRENCE. SHOULD A SINKHOLE OCCUR, THE AREA SHALL BE REPAIRED AS SOON AS POSSIBLE. REPAIR SHALL INCLUDE FILLING (LIMEROCK SUCH AS ROAD BASE MATERIAL, CLAY/SAND MIXTURE, OR CONCRETE IF NECESSARY). A 3-FOOT DEEP CAP THAT EXTENDS 3 FEET BEYOND THE PERIMETER OF THE SINKHOLE SHALL BE CONSTRUCTED WITH CLAYEY SOILS. THE CLAYEY SOIL SHALL HAVE AT LEAST 20% PASSING THE NO. 200 SIEVE, COMPACTED TO 95% OF STANDARD PROCTOR, AND COMPACTED IN A WET CONDITION WITH MOISTURE 2% - 4% ABOVE OPTIMUM. THE CLAY SOIL CAP SHALL BE RE-GRADED TO PREVENT CONCENTRATION OF WATERS (PONDING) AND RE-VEGETATED.

OPERATION & MAINTENANCE ENTITY: MOONSHINE ACRES RV PARK

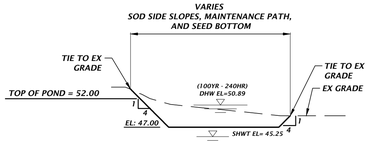
TYPE III SILT FENCE DETAIL
NTS

SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL
NTS

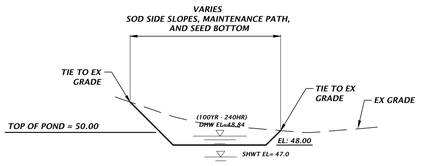
LIMEROCK OUTCROP REMOVAL DETAIL
NTS



STORMWATER MANAGEMENT FACILITY #1 CROSS SECTION A-A



STORMWATER MANAGEMENT FACILITY #2 CROSS SECTION B-B



STORMWATER MANAGEMENT FACILITY #3 CROSS SECTION C-C

STORMWATER FACILITY NOTES:

1. *IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED IN THE BASIN AREA CONTACT THE ENGINEER OF RECORD. THE LIMEROCK SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET BEYOND THE BASIN UNDERCUT LIMITS.*
2. *IF A SOLUTION PIPE SINKHOLE DOES FORM IN THE STORMWATER BASIN, THEN THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH MATERIAL OF LOWER-PERMEABILITY MATERIAL, SUCH AS CLAYEY SAND OR CLAY. THE MATERIAL SHALL BE COMPACTED AND THE SINKHOLE REPAIR SHOULD BRING THE SURFACE BACK TO AN ELEVATION WHICH IS SLIGHTLY ABOVE THE ORIGINAL BOTTOM, CREATING A SMALL MOUND.*
3. *IN AREAS WHERE CLAY-RICH SOILS ARE PRESENT AT THE BASIN BOTTOM, THESE SOILS SHALL BE UNDERCUT A MINIMUM OF 2 FEET AND BACKFILLED WITH THE ON-SITE SANDS AND SANDS WITH SILT (SP, SP-SM) HAVING A MAXIMUM OF 12 PERCENT FINES PASSING THE NO. 200 SIEVE.*
4. *IN AREAS WHERE CLAY-RICH SOILS ARE PRESENT AT THE BASIN BOTTOM, WE RECOMMEND THESE SOILS BE UNDERCUT A MINIMUM OF 2 FEET AND BACKFILLED WITH THE ON-SITE SANDS AND SANDS WITH SILT (SP, SP-SM) HAVING A MAXIMUM OF 12 PERCENT SOIL FINES PASSING THE NO. 200 SIEVE. THE INTENT OF THIS UNDERCUTTING AND REPLACEMENT IS TO PROVIDE A MORE UNIFORM SAND "BLANKET" AT THE BASIN BOTTOM THAT ALLOWS THE MIGRATION OF WATER TO THE DEEPER DEPOSITS OF SAND. THIS SAND BLANKET WILL ALSO REDUCE THE POTENTIAL FOR CLAY-FINES LEACHING OUT OF THE SOILS WHEN WATER IS PRESENT IN THE BASIN THAT CAN RESULT IN A THIN LAYER OF CONFINING TYPE MATERIAL ON THE BASIN BOTTOM THAT CAN REDUCE THE EFFECTIVENESS OF THE BASIN.*

11801 Research Drive
Alachua, FL 32615
(386) 418-1975
www.chw-inc.com
est. 1988 FLORIDA CA-9075
CHW
Professional Consultants

SCALE: 1"=50'
VERIFY SCALE BAR IS CORRECT FOR DRAWING SCALE IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION BID REVISIONS:

SUBMITTALS: 4/1/20 - OWNER REVIEW

CLIENT: MOONSHINE ACRES RV PARK
PROJECT: MOONSHINE ACRES RV PARK STORMWATER CALCULATIONS
SHEET TITLE: SITE LAYOUT AND STORMWATER

TECHNICIAN: B.GILLESPIE
DESIGNER: T. SAGUL, P.E.
QUALITY CONTROL: R. WALPOLE, P.E.
PROJECT NUMBER: 20-0038

TIMOTHY JAMES SAGUL
Timothy James Sagul
State of Florida
Professional Engineer, License No. 38810

This item has been digitally signed and sealed by Timothy James Sagul, P.E. on the date indicated here.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FL PE No. 38810

SHEET NO.: 1

Concurrency Impact Analysis

Moonshine Acres RV Park's solid waste disposal is a system of septic tanks. The are currently 12 septic tank systems in place which service the current 41 sites and clubhouse. In order to increase to 72 sites, 16 camping cabins, and 14 glamping tents, we are proposing the addition of fourteen 1250-gallon tanks.

Transient RV Parks are rated at 75 gallons per day per RV site, and 200 gallons a day per cabin, which equals to 8600 gallons total, requiring a 12000-gallon system for all sites per the Concurrency Worksheet. With the addition of our two proposed systems, we will have a 20,050-gallon system, far exceeding the minimum required.

In addition to the increased number of sites, we are requesting permission to construct ten camping cabins with bathrooms, and 10 glamping tents with no bathrooms. Cabins with a bathroom are rated at 200 gallons per day, for a total of 2000 gallons per day, requiring a 2800-gallon system. We are proposing 4 additional 1250-gallon systems for a total of 5,000, again exceeding requirements.

All in all, we need an 9,600-gallon septic system, and our system will be 30,500 gallons, again far exceeding the minimum required per code.

Comprehensive Plan Consistency Analysis

The goals, policies, and objectives of the Columbia County Comprehensive Plan is to provide for distribution of future land use, as well as guidance for such future land use. The Plan sets the relationship between urban development areas and rural areas of the County, and the uses and intensity of such uses for each area. As the unincorporated areas of the County are typically rural in use, there is a need to provide appropriate direction for the future location of concentration of urban areas.

We have performed an in-depth review of the policies stated in the Columbia County Comprehensive Plan, and our stance is that Moonshine Acres RV Park will be in compliance with the county's plan, and will have only positive effect on the local economy. The Plan currently allows for Travel Trailer Parks on Agriculture-Zoned land through the use of Special Exceptions, and this property has a special exception in place for this same use. We have addressed the following policies outlined in the Comprehensive Plan:

1. Ingress & Egress to Property: The Park will have a 30' wide, 400' long semi-circular driveway which will provide RV owners to enter and exit the Park safely, and the Park will also have additional parking spaces available for the amenity center. With the location of the property, and minimal number of sites being added, any change to the traffic flow will be minimal. Access to the property for fire/emergency vehicles will be sufficient, and roadways are constructed in a manner to withhold a 80,000 lb vehicle.
2. Offstreet Parking & Loading Areas: The Park will have five standard 10'x20' parking spaces, and one 12'x20' handicapped access space with a 5'x20' loading zone. The 1200 ft2 driveway will provide additional access/back=up parking space if needed.
3. Refuse & Service Areas: We will have a standard refuse dumpster as well as a recycled materials dumpster on site.
4. Utilities: Currently, the property has 3 wells that service the property, and 5 more wells are needed at this time. The property has 12 septic systems in place, and we are requesting to add an additional 14 septic systems to service the 32 new sites, the 16 cabins, and 14 glamping tents. The Florida Department of Health permits up to 4 septic systems per acre, and including the new systems, we will be well below the maximum number of septic systems allowed for the property in total. The current electrical service provided by Clay Electric has been converted to underground service, providing a cleaner look, greater curb appeal, and reducing the chance of power loss due to storms (which should help neighboring property owners).
5. Screening & Buffering: The property has a 25' buffer of uncut wooded area bordering the east of the lot, a 25' buffer of uncut woods along the north border, and a 60' buffer on the on the western half of the southern border consisting of thick woods and vegetation. At the front of the property there a 3-board fence, the amenity center, maintenance barn, and dog park will screen the RV site occupants from the roadway.
6. Signs & Exterior Lighting: The Park will have one sign on the roadway, at ground level, no taller than 9 feet from the ground, and will be lit at night on both sides. The amenity center will have landscape lighting, and the maintenance barn will have one dawn-to-dusk light. Inside the park, there will be three 4-foot tall street lamps per roadway which will also be dawn-to-dusk lamps.
7. Required Yards: No provisions for an RV storage yard are planned for the Park. The Park itself will be mostly open grassy area, along with gravel roadways and parking pads. The land will not have more than 25% of the area covered with gravel/structures.

8. Considerations Relating to Compatibility with Adjacent Properties: Since the park has a special exception in place for the use of a Travel Trailer Park, there will be no further effect on adjacent properties. The addition of the amenity center, which provides a small laundry facility will be attractive to the local property owners.
9. Consistency with Other Plan Objectives & Policies: No change to the other policies and objectives which are already approved by the County in the existing special exception.

Special Exceptions granted in agriculturally zoned areas are required to maintain a buffer between the agricultural land uses and the area used for special exception. The only adjacent property being used for agriculture is the tree farm to our north, and we are providing a 25' buffer between their property line and our RV sites. The eastern side of the property has a 25' buffer to the adjacent properties, and the property to our west is uncut natural wooded acreage.

As you can see, we feel strongly that the goals, objectives, and policies of Moonshine Acres RV Park are in line with the goals, objectives, and policies of Columbia County's Comprehensive Plan.

Legal Description

Property Description

Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of US Highway No. 27 and run North 1 degrees 45' West, along said East line, 532.89 feet; thence South 88 degrees 15' West, 210 feet to the Point of Beginning; thence continue South 88 degrees 15' West, 210.00 feet; thence North 1 degrees 45' West, 130.00 feet; thence North 88 degrees 15' East, 210.00 feet; thence South 1 degrees 45' East, 130.00 feet to the Point of Beginning. Columbia County, Florida.

Together with a 15 foot easement: Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of US Highway No, 27 and run North 48 degrees 52' 16" West, along the North right of way line of said U.S. Highway No. 27, a distance of 614.09 feet to the East line of a 15 foot easement and the Point of Beginning; thence North 1 degrees 45' West, 244.74 feet; thence South 88 degrees 15' West, 15.00 feet; thence South 1 degrees 45' East, 230.81 feet to the north right of way line of said U.S. Highway No. 27; thence South 48 degrees 52' 16" East, along said North right of way line, 20.47 feet to the Point of Beginning.

Together with a 30 foot easement: Commence at the intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of U.S. Highway No. 27 and run North 48 degrees 52' 16" West, along the North right of way line of said U.S. Highway No. 27, a distance of 573.15 feet to the East line of a 30 foot easement and the Point of Beginning; thence North 1 degrees 45' West, along the East line of said 30 foot easement, 272.60 feet; thence South 88 degrees 15' West, 30.00 feet; thence South 1 degrees 45' East, 244.74 feet to the North right of way line of said U.S. Highway No. 27; thence South 48 degrees 52' 16" East, along said North right of way line 40.94 feet to the Point of Beginning.

And

Commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right of way line of U.S. Highway No. 27 and run North 01 degrees 45' West, along said East line 532.89 feet to the Point of Beginning; thence South 88 degrees 15' West, 210 feet; thence North 01 degrees 45' West, 130 feet; thence South 88 degrees 15' West, 300 feet; thence North 01 degrees 45' West, 430 feet; thence North 88 degrees 15' East, 510 feet to said East line; thence South 1 degrees 45' East, along said East line 560 feet to the Point of Beginning.

Together with:
15 foot easement: commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida and the North right of way line of U.S. Highway No. 27 and run North 48 degrees 52' 16" West, along the North right of way line of said U.S. Highway No. 27, a distance of 614.09 feet to the East line of a 15.00 foot easement and the Point of Beginning; thence North 1 degrees 45' East, 244.74 feet; thence South 88 degrees 15' West, 15.00 feet; thence South 1 degrees 45' East, 230.81 feet to the North right of way line of said U.S. High No. 27; thence South 48 degrees 52' 16" East, along said North right of way line, 20.47 feet to the Point of Beginning.

Also:
30 foot easement: Commence at the Intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida and the North right of way line of U.S. Highway No. 27, and run North 48 degrees 52' 16" West, along the North right of way line of U.S. Highway No. 27, a distance of 573.15 feet to the East line of a 30 foot easement and the Point of Beginning: thence North 1 degrees 45' West, along the East line of said 30 foot easement, 272.60 feet; thence South 88 degrees 15' West, 30.00 feet; thence South 1 degrees 45' East,

244.74 feet to the North right of way line of said U.S. Highway No. 27; thence South 48 degrees 52' 16" East, along said North right of way line, 40.94 feet to the Point of Beginning.

AND

Commence at the point of intersection of the North Right-of-Way line of U.S. Highway No. 27 and the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and run North 48 deg. 51' West along the right-of-way line 377 feet to the Point of Beginning; thence continue North 48 deg. 51' West, 196.00 feet; thence North 1 deg. 45' West, 142.6 feet; thence North 88 deg. 15' East, 210.00 feet; thence South 1 deg. 45' East, 210.00 feet; thence South 43 deg. 15' West, 93.7 feet to the Point of Beginning, Being a part of the Southeast 1/4 of the Southeast 1/4.

ALSO

Approximately the West 90 feet of the following property:

Begin at the intersection of the East line of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right-of-way line of U.S. Highway No. 27 and run North 1 deg. 45' West, along said East line 532.70 feet; thence South 88 deg. 15' West, 210.00 feet; thence North 1 deg. 45' West, 130.00 feet; thence South 88 deg. 15' West, 300.00 feet; thence South 1 deg. 45' East, to the North right-of-way line of U.S. Highway No. 27; thence continue in a Southeast direction along the North line of U.S. Highway No. 27 to the Point of Beginning.

Proof of Ownership

Prepared by and return to:
Crystal Curran
Alachua Title Services, LLC
16407 Northwest 174th Drive Suite C
Alachua, FL 32615
(386) 418-8183
File No 19-60
Parcel Identification No 19-6S-16-03885-000

[Space Above This Line For Recording Data]

WARRANTY DEED

(STATUTORY FORM – SECTION 689.02, F.S.)

This indenture made the 8th day of March, 2019, between **Ronald D. Preston AKA Ron Preston and Cynthia F. Preston aka Cindy Preston, husband and wife**, whose post office address is **479 Southwest Old Spanish Road, Fort White, FL 32038**, of the County of Columbia, State of Florida, Grantors, to **Patrick Gilmore and Jessica Camp, husband and wife**, whose post office address is **14991 Northeast Jacksonville Road, Citra, FL 32113**, of the County of Marion, State of Florida, Grantees:

Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations.

Witnesseth, that said Grantors, for and in consideration of the sum of TEN DOLLARS (U.S.$10.00) and other good and valuable considerations to said Grantors in hand paid by said Grantees, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said Grantees, and Grantees' heirs and assigns forever, the following described land, situate, lying and being in Columbia, Florida, to-wit:

Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of US Highway No. 27 and run North 1 degrees 45' West, along said East line, 532.89 feet; thence South 88 degrees 15' West, 210 feet to the Point of Beginning; thence continue South 88 degrees 15' West, 210.00 feet; thence North 1 degrees 45' West, 130.00 feet; thence North 88 degrees 15' East, 210.00 feet; thence South 1 degrees 45' East, 130.00 feet to the Point of Beginning, Columbia County, Florida.

Together with a 15 foot easement: Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of US Highway No, 27 and run North 48 degrees 52' 16" West, along the North right of way line of said U.S. Highway No. 27, a distance of 614.09 feet to the East line of a 15 foot easement and the Point of Beginning; thence North 1 degrees 45' West, 244.74 feet; thence South 88 degrees 15' West, 15.00 feet; thence South 1 degrees 45' East, 230.81 feet to the north right of way line of said U.S. Highway No. 27; thence South 48 degrees 52' 16" East, along said North right of way line, 20.47 feet to the Point of Beginning.

Together with a 30 foot easement: Commence at the intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of U.S. Highway No. 27 and run North 48 degrees 52' 16" West, along the North right of way line of said U.S. Highway No. 27, a distance of 573.15 feet to the East line of a 30 foot easement and the Point of Beginning; thence North 1 degrees 45' West, along the East line of said 30 foot easement, 272.60 feet; thence South 88 degrees 15' West, 30.00 feet; thence South 1 degrees 45' East, 244.74 feet to the North right of way line of said U.S. Highway No. 27; thence South 48 degrees 52' 16" East, along said North right of way line 40.94 feet to the Point of Beginning.

And

Commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right of way line of U.S. Highway No. 27 and run North 01 degrees 45' West, along said East line 532.89 feet to the Point of Beginning; thence South 88 degrees 15' West, 210 feet; thence North 01 degrees 45' West, 130 feet; thence South 88 degrees 15' West, 300 feet; thence North 01 degrees 45' West, 430 feet; thence North 88 degrees 15' East, 510 feet to said East line; thence South 1 degrees 45' East, along said East line 560 feet to the Point of Beginning.

Together with:

15 foot easement: commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida and the North right of way line of U.S. Highway No. 27 and run North 48 degrees 52' 16" West, along the North right of way line of said U.S. Highway No. 27, a distance of 614.09 feet to the East line of a 15.00 foot easement and the Point of Beginning; thence North 1 degrees 45' East, 244.74 feet; thence South 88 degrees 15' West, 15.00 feet; thence South 1 degrees 45' East, 230.81 feet to the North right of way line of said U.S. High No. 27; thence South 48 degrees 52' 16" East, along said North right of way line, 20.47 feet to the Point of Beginning.

Also:
30 foot easement: Commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida and the North right of way line of U.S. Highway No. 27, and run North 48 degrees 52' 16" West, along the North right of way line of U.S. Highway No. 27, a distance of 573.15 feet to the East line of a 30 foot easement and the Point of Beginning: thence North 1 degrees 45' West, along the East line of said 30 foot easement, 272.60 feet; thence South 88 degrees 15' West, 30.00 feet; thence South 1 degrees 45' East, 244.74 feet to the North right of way line of said U.S. Highway No. 27; thence South 48 degrees 52' 16" East, along said North right of way line, 40.94 feet to the Point of Beginning.

AND

Commence at the point of intersection of the North Right-of-Way line of U.S. Highway No. 27 and the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and run North 48 deg. 51' West along the right-of-way line 377 feet to the Point of Beginning; thence continue North 48 deg. 51' West, 196.00 feet; thence North 1 deg. 45' West, 142.6 feet; thence North 88 deg. 15' East, 210.00 feet; thence South 1 deg. 45' East, 210.00 feet; thence South 43 deg. 15' West, 93.7 feet to the Point of Beginning, Being a part of the Southeast 1/4 of the Southeast 1/4.
ALSO
Approximately the West 90 feet of the following property:
Begin at the intersection of the East line of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right-of-way line of U.S. Highway No. 27 and run North 1 deg. 45' West, along said East line 532.70 feet; thence South 88 deg. 15' West, 210.00 feet; thence North 1 deg. 45' West, 130.00 feet; thence South 88 deg. 15' West, 300.00 feet; thence South 1 deg. 45' East, to the North right-of-way line of U.S. Highway No. 27; thence continue in a Southeast direction along the North line of U.S. Highway No. 27 to the Point of Beginning.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

Subject to taxes for 2019 and subsequent years, not yet due and payable; covenants, restrictions, easements, reservations and limitations of record, if any.

TO HAVE AND TO HOLD the same in fee simple forever.

And Grantors hereby covenant with the Grantees that the Grantors are lawfully seized of said land in fee simple, that Grantors have good right and lawful authority to sell and convey said land and that the Grantors hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, Grantors have hereunto set Grantors' hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

WITNESS - KYLE POLANSKY

WITNESS

Ronald D. Preston

WITNESS - KYLE POLANSKY

WITNESS

Cynthia F. Preston

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 8th day of March, 2019, by Ronald D. Preston and Cynthia F. Preston.

Signature of Notary Public
Print, Type/Stamp Name of Notary

Personally Known:_____ OR Produced Identification: X
Type of Identification
Produced: Drivers Licenses

KYLE PATRICK POLANSKY
Commission # GG 200757
Expires March 27, 2022
Bonded Thru Troy Fain Insurance 800-385-7019

Proof of Payment of Taxes

Columbia County Tax Collector

generated on 3/11/2019 2:48:04 PM EDT

Tax Record

Last Update: 3/11/2019 2:47:00 PM EDT

Register for eBill

Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be relied on as such.

Account Number	Tax Type	Tax Year
R03885-000	REAL ESTATE	2018

Mailing Address
PRESTON RON & CINDY
479 SW OLD SPANISH RD
FT WHITE FL 32038-7057

Property Address
130 COCHRAN SW FORT WHITE

GEO Number
196816-03885-000

Exempt Amount	Taxable Value
See Below	See Below

Exemption Detail NO EXEMPTIONS

Millage Code 003

Escrow Code

Legal Description (click for full description)
19-6S-16 0700/07008.00 Acres COMM INTER OF N R/W US-27 & E LINE OF SE1/4 OF SE1/4, RUN N 532.89 FT FOR POB, RUN W 210 FT, S 210 FT, SW 93.7 FT TO N R/W OF US-47, NW ALONG R/W APPROX 304.93 FT, N APPROX 640 FT, E 510 FT, S 560 FT TO POB, WD 1202-369, 1216-378, WD 1229-1907

Ad Valorem Taxes

Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	8.0150	40,977	0	$40,977	$328.43
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	45,293	0	$45,293	$33.88
LOCAL	4.2010	45,293	0	$45,293	$190.28
CAPITAL OUTLAY	1.5000	45,293	0	$45,293	$67.94
SUWANNEE RIVER WATER MGT DIST	0.3948	40,977	0	$40,977	$16.18
LAKE SHORE HOSPITAL AUTHORITY	0.9620	40,977	0	$40,977	$39.42
Total Millage	15.8208	**Total Taxes**			$676.13

Non-Ad Valorem Assessments

Code	Levying Authority	Amount
FFIR	FIRE ASSESSMENTS	$60.78
	Total Assessments	$60.78
	Taxes & Assessments	$736.91

If Paid By	Amount Due
	$0.00

Date Paid	Transaction	Receipt	Item	Amount Paid
1/15/2019	PAYMENT	3503485.0002	2018	$722.17

Prior Years Payment History

Prior Year Taxes Due

NO DELINQUENT TAXES

Columbia County Tax Collector

generated on 1/10/2020 1:05:09 PM EST

Tax Record

Last Update: 1/10/2020 1:04:30 PM EST

Register for eBill

Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be relied on as such.

Account Number	Tax Type	Tax Year
R03880-000	REAL ESTATE	2019

Mailing Address
MAHLMANN TERESA A
MEIER CARL E
5N 233 BLUFF DR
ST CHARLES IL 60175

Property Address
118 COCHRAN SW FORT WHITE

GEO Number
196S16-03880-000

Exempt Amount	Taxable Value
See Below	See Below

Exemption Detail NO EXEMPTIONS

Millage Code 003

Escrow Code

Legal Description (click for full description)

19-6S-16 0000/00005.50 Acres BEG 510 FT W OF NE COR OF SE1/4 OF SE1/4, RUN S TO RD, W TO N LINE OF SE1/4 OF SE1/4, E TO POB. DC ORB 860-1598, PROB #98-98-CP 860-2490 THRU 2502, 1/3 INT EA 863-1633, 1/2 UNDIV INT EA 959-1039,

Ad Valorem Taxes

Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	8.0150	32,719	0	$32,719	$262.24
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	32,719	0	$32,719	$24.47
LOCAL	3.9880	32,719	0	$32,719	$130.48
CAPITAL OUTLAY	1.5000	32,719	0	$32,719	$49.08
SUWANNEE RIVER WATER MGT DIST	0.3840	32,719	0	$32,719	$12.56
LAKE SHORE HOSPITAL AUTHORITY	0.9620	32,719	0	$32,719	$31.48

Total Millage	15.5970	Total Taxes	$510.31

Non-Ad Valorem Assessments

Code	Levying Authority	Amount
FFIR	FIRE ASSESSMENTS	$60.78

Total Assessments	$60.78
Taxes & Assessments	$571.09

If Paid By	Amount Due
	$0.00

Date Paid	Transaction	Receipt	Item	Amount Paid

11/13/2019	PAYMENT	1200633.0001	2019	$548.25

Prior Years Payment History

Prior Year Taxes Due
NO DELINQUENT TAXES

Stormwater Management System Report

Moonshine Acres RV Park

Prepared For: Mr. Ryan Gilmore

Submitted To: Columbia County, Suwannee River Water Management District

Date: 04/01/2020
PN# 20-0038
PM: Timothy J. Sagul, P.E.

CHW
11801 Research Drive
Alachua, FL 32615

www.chw-inc.com

CHW Professional Consultants

Engineer's Certification Statement

I hereby certify that the design of the stormwater management systems for the project known as Moonshine Acres RV Park has been designed substantially in accordance with the Columbia County and Suwannee River Water Management District applicable rules and criteria.

Timothy James Sagul
State of Florida
Professional Engineer, License No. 38810

This item has been digitally signed and sealed by Timothy James Sagul, P.E, on the date indicated here.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Timothy J. Sagul, FL PE No. 38810

Date

Contents **Page**

Figures

Appendices

Introduction

The Moonshine Acres RV Park project proposes the construction of a recreational vehicle park with associated amenities, stormwater management facilities, utility infrastructure, and related improvements. The proposed development encompasses ±13.5 acres located at the intersection of SW US 27 & Cochran Street, Ft. White, Florida.

According to the Columbia County Property Appraiser's website, the project is in Section 19, Township 6 South, Range 16 East on tax parcel numbers 19-6S-03885-000 and 19-6S-03880-000. Figure 1 provides a Location Map, Figure 2 depicts the site on a portion of the Fort White USGS quadrangle map, and Figure 3 shows an aerial map.

Refer to the accompanying engineering plans for details about the proposed construction.

Design Criteria

The design criteria for the proposed Stormwater Management Facilities (SMFs) are based upon the criteria set forth by the Columbia County and Suwannee River Water Management District (SRWMD) for dry retention system design in a closed watershed. The criteria met by this report are:

1. Provide Water Quality Treatment Volume (WQTV) – The minimum stormwater treatment volume shall be the runoff from the first 2.0 inches of rainfall from the drainage area. WQTV must be recovered within 72 hours (SRWMD).

2. Provide Discharge Rate and Volume Attenuation – Attenuate the post-development peak discharge rates and volumes to be less than the pre-development peak discharge rates and volumes for the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, 100 year - 24 hour, 100 year - 72 hour, 100 year - 168 hour, and 100 year - 240 hour storm events (SRWMD).

3. Provide Volume Recovery – Retention systems must have one-half of the total volume available within 7 days following the end of the design storm event, and the total volume must be recovered within 30 days following the end of the storm event. Alternatively, if recovery requirements cannot be met, back to back storms can be routed through the system (SRWMD).

4. Freeboard - Retention ponds shall have a freeboard of 1 foot above the maximum stage in order to function properly during storms greater than the design storm (SRWMD).

Columbia County and the SRWMD require that best management practices (BMPs) be employed to control erosion and sedimentation and an operation and maintenance entity be established.

Site Characteristics

Physical characteristics of the site are described in the following sections. Additional details are provided in the accompanying Engineering plans.

Topography and Drainage

Pre-Development

In pre-development, the site is mostly undeveloped. Most of the eastern portion of the site is open space with scattered trees, a few buildings and a driveway/road running in a north-south direction. The western portion is forested. The site currently drains to an existing depression to the northwest, and an existing depression on the site's eastern boundary. The southeastern portion of the site drains to the adjacent parcel and roadway to the southeast.

As the proposed basins are designed for full retention, discharge rate and volume attenuations are inherently met, and a full pre-development analysis is not necessary. However, the eastern depression that is located partially offsite was modeled to ensure no increase in pre-development flood stages occurs for the design storms.

Post-Development

In post-development, the site is delineated into three watersheds: Post Development SMF-1 Post Development SMF-2 and Post Development SMF-3.

Post SMF-1 consists of ±12.26 acres, including a portion of US Hwy 27, the western portion of the project site, as well as adjacent offsite area to the north. Onsite Post SMF-1 area includes RV lots and a drive aisle made of roadway millings. Runoff from this watershed will be conveyed via sheet flow and shallow concentrated flow into SMF-1, a dry retention pond.

Post SMF-2 consists of ±13.92 acres, including a majority of the eastern portion of the project, as well as adjacent offsite area to the north and east. Post-SMF-2 area consists of campsites and RV lots with milling drive aisles for vehicle circulation, as well as a portion of the amenity and welcome areas. Runoff from this watershed will be conveyed via sheet flow and shallow concentrated flow into SMF-2, a proposed dry retention pond. SMF-2 represents the expanded onsite portion of a depression that also extends offsite to the east.

Post SMF-3 consists of ±0.61-acres including a portion of the amenity buildings and entrance drive at the site's southeastern corner. Runoff from this watershed flows via sheet flow and shallow concentrated flow into SMF-4, a dry retention pond.

Refer to Figure 6 for information on the post-development drainage patterns. Refer to Appendix A and the accompanying engineering plans for additional details about the proposed stormwater management system.

Soils Information

The National Resource Conservation Service (NRCS) Soil Survey for Columbia County describes the near surface soil profile as *Alpin fine sand (0 to 5 percent slopes)* with a hydrologic soil group rating of 'A', *Alpin fine sand (5 to 12 percent slopes)* with a hydrologic soil group rating of 'A', *Bonneau fine sand (2 to 5 percent slopes)* with a hydrologic soil group rating of 'B', and as *Udorthents (0 to 2 percent slopes)* with a hydrologic soil group rating of 'B'.

A site-specific soils investigation was conducted by Cal-Tech Testing, Inc. on February 7 and March 3, 2020. Based on the Geotechnical Exploration & Field Soil Permeability Testing Report and the Supplemental Geotechnical Exploration & Field Soil Permeability Testing Report, the following design parameters were determined and applied for the stormwater management facility calculations. Refer to Appendix C for further details.

SMF-1 (Borings B1 & B4)

- Average elevation of ground at pond borings: 49.0'
- Base of mobilized aquifer: 3.5 ft bls (49.0' – 3.5' = 45.5')
- Unsaturated vertical infiltration rate: 5.30 ft/day (2.65 ft/day used in calculations)
- Horizontal hydraulic conductivity: 11.95 ft/day (5.98 ft/day used in calculations)
- Fillable porosity: 28.5%
- Average seasonal high groundwater table: 3.0 ft bls (49.0' – 3.0' = 46.0')

SMF-2 (Borings B2 & B3)

- Average elevation of ground at pond borings: 49.0'
- Base of mobilized aquifer: 9.0 ft bls (49.0' – 9.0' = 40.0')
- Unsaturated vertical infiltration rate: 4.0 ft/day (2.0 ft/day used in calculations)
- Horizontal hydraulic conductivity: 9.0 ft/day (4.5 ft/day used in calculations)
- Fillable porosity: 30%
- Average seasonal high groundwater table: 3.75 ft bls (49.0' – 3.75' = 45.25')

SMF-3 (Boring 5)

- Average elevation of ground at pond borings: 51.0'
- Base of mobilized aquifer: 15.0 ft bls (51.0' – 15.0' = 36.0')
- Unsaturated vertical infiltration rate: 1.1 ft/day (0.55 ft/day used in calculations)
- Horizontal hydraulic conductivity: 2.4 ft/day (1.2 ft/day used in calculations)
- Fillable porosity: 30%
- Average seasonal high groundwater table: 4.0 ft bls (51.0' – 4.0' = 47.0')

A safety factor of 2 was applied to the infiltration rate and hydraulic conductivity values for use in the analysis.

Drainage Analysis

Each of the three proposed SMFs was designed to provide retention of the required WQTV, and full retention of the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, 100 year - 24 hour, 100 year - 72 hour, 100 year - 168 hour, and 100 year - 240 hour storm events. Additionally, the proposed SMFs were designed to have one-half of the total volume available 7 days following the end of the design storm events as well as the total volume available within 30 days of the design storm events. Where the recovery criteria could not be met, back to back storms were routed through the system to ensure the system had adequate storage.

Appendix A contains details and calculations as well as a section for routing results, recovery analysis, hydraulic calculations, and general drainage calculations.

Analysis Methodology

The drainage analysis was conducted using the computer program ICPR v3.10 to generate runoff hydrographs and route the runoff hydrographs through the proposed stormwater system with a groundwater mounding analysis. The required storm events were analyzed using SRWMD rainfall amounts for Columbia County and FDOT distributions for the post-development watershed. Even though the stormwater water management facilities (SMF) are proposed to be full retention, pre-development calculations were run to set a design high water elevation on the existing depression that extends offsite to the east. This was to ensure that the post-development design high water elevations are not increased on the adjacent off-site properties.

The drainage analysis was conducted using Green-Ampt rainfall excess method, with soil characteristics obtained from the Natural Resources Conservation Service (NRCS) Soil Survey Geodatabase (SSURGO) and published values by Rawls and Brakensiek that identify soil parameters based on soil texture class.

Calculations for the three SMFs were completed to demonstrate that the required water quality treatment volumes are provided and storm event recovery was met. Also, the routing results were analyzed to ensure that adequate freeboard was provided for each storm and that the peak stage of each storm event did not exceed the top of bank of the stormwater management facility during back to back storm events.

Unit Hydrograph Parameters

Unit hydrograph parameters required for the drainage analysis include drainage area, percent impervious, directly connected impervious area (DCIA), and time of concentration (Tc).

The cover types within the developed areas were classified as open space, roadway/millings, and SMF. For the analysis, SMF and roadway/milling areas were

considered 100% impervious.

Detailed calculations and a list of Green-Ampt parameters used for each soil type are provided in Appendix A.

Pond Storage

Stage-storage values for the three proposed SMFs are provided in Appendix A.

Water Quality Treatment Volume

Per SRWMD, the required WQTV for a dry retention system is the runoff from 2.0 inches of rainfall calculated using the rational method. Table 1 contains information regarding the required WQTV of each SMF.

Table 1: Post-Development Water Quality Treatment

Basin ID	**2″ Over Drainage Area (cf):**	**Runoff Coefficient C:**	**Required SRWMD (cf)**
SMF-1	89,022	0.29	25,893
SMF-2	101,059	0.38	38,232
SMF-3	4,407	0.42	1,839

As each of the proposed SMFs is designed for full retention, all runoff is proposed for treatment and water quality treatment volume requirements are inherently met. Routing the required volumes through the basin in the drainage model indicates that the stormwater management facility draws down the treatment volume within 72 hours for SMF-2 and SMF-3, and that the treatment volume is available after 72 hours for SMF-1. Detailed calculations are provided in Appendix A.

Run-off and Facility Routing Results

The routing results for SMF-1, SMF-2 and SMF-2 are summarized below in Tables 2-4. These tables show the peak stage, time to half volume available and time to full volume available for the analyzed storm events for all SMFs.

Table 2: SMF-1 Peak Stage and Recovery

Storm Event	Peak Stage (FT)	Freeboard (FT) (TOP = 51.0)	Time to ½ Volume Available (Days After Storm)	Time to Full Recovery (Days After Storm)	Stage After 30 Days (ft)
100YR-1HR	47.31	3.69	< 1	< 11	-
100YR-2HR	47.36	3.64	< 1	< 21	-
100YR-4HR	47.46	3.54	< 1	> 30	47.03
100YR-8HR	47.60	3.40	< 1	> 30	47.13
100YR-24HR	48.14	2.86	< 1	> 30	47.52
100YR-72HR	49.00	2.00	< 1	> 30	48.14
100YR-168HR	49.46	1.54	< 3	> 30	48.48
100YR-240HR	49.92	1.08	> 7	> 30	48.90

Table 3: SMF-2 Peak Stage and Recovery

Storm Event	Pre-Depression Peak Stage (FT)	Post-SMF-2 Peak Stage (FT)	Freeboard (FT) (TOP = 52.0)	Time to ½ Volume Available (Days After Storm)	Time to Full Recovery (Days After Storm)	Stage After 30 Days (ft)
100YR-1HR	50.13	49.03	2.97	< 1	< 5	-
100YR-2HR	50.27	49.26	2.74	< 1	< 7	-
100YR-4HR	50.38	49.45	2.55	< 1	< 9	-
100YR-8HR	50.42	49.57	2.43	< 1	< 12	-
100YR-24HR	50.18	49.49	2.51	< 1	< 22	-
100YR-72HR	50.65	50.14	1.86	< 1	> 30	47.73
100YR-168HR	50.87	50.50	1.50	< 1	> 30	48.39
100YR-240HR	51.29	50.89	1.11	< 3	> 30	49.07

Table 4: SMF-3 Peak Stage and Recovery

Storm Event	Peak Stage (FT)	Freeboard (FT) (TOP = 50.0)	Time to ½ Volume Available (Days After Storm)	Time to Full Recovery (Days After Storm)	Stage After 30 Days (ft)
100YR-1HR	48.47	1.53	< 1	< 2	-
100YR-2HR	48.56	1.44	< 1	< 3	-
100YR-4HR	48.63	1.37	< 1	< 5	-
100YR-8HR	48.70	1.30	< 1	< 8	-
100YR-24HR	48.69	1.31	< 1	< 14	-
100YR-72HR	48.80	1.20	< 1	< 22	-
100YR-168HR	48.80	1.20	< 1	< 25	-
100YR-240HR	48.84	1.16	< 1	> 30	48.01

Back to Back Storms

Due to some storm events not fully recovering within 30 days after the storm event, back to back storms were routed through the systems to ensure the systems could provide the necessary storage volume. To route the back to back storms, the initial stage of the SMF was set at the recovery stage 30 days after the storm. Routing results are summarized in Table 5 and model results can be found in Appendix A.

Table 5: Back to Back Storm Results

Storm Event	SMF-1 Peak Stage (FT)	SMF-2 Peak Stage (FT)	SMF-3 Peak Stage (FT)
100YR-1HR	-	-	-
100YR-2HR	-	-	-
100YR-4HR	47.49	-	-
100YR-8HR	47.72	-	-
100YR-24HR	48.54	-	-
100YR-72HR	49.74	50.29	-
100YR-168HR	50.30	50.67	-
100YR-240HR	50.91	51.11	48.84

Summary and Conclusions

The proposed drainage system meets Columbia County and SRWMD criteria for stormwater management facilities as follows:

1. Provide Water Quality Treatment Volume (WQTV): All three SMFs have been designed to retain the runoff from the first 2.0 inches of rainfall from the design storm and the WQTV was available within 72 hours (SRWMD).

2. Provide Discharge Rate and Volume Attenuation: All three SMFs have been designed for total retention; therefore the post-development discharge rates and volumes do not exceed the pre-development discharge rates and volumes for the 100 year - 1 hour, 100 year - 2 hour, 100 year - 4 hour, 100 year - 8 hour, 100 year - 24 hour, 100 year - 72 hour, 100 year - 168 hour, and 100 year - 240 hour storm events (SRWMD).

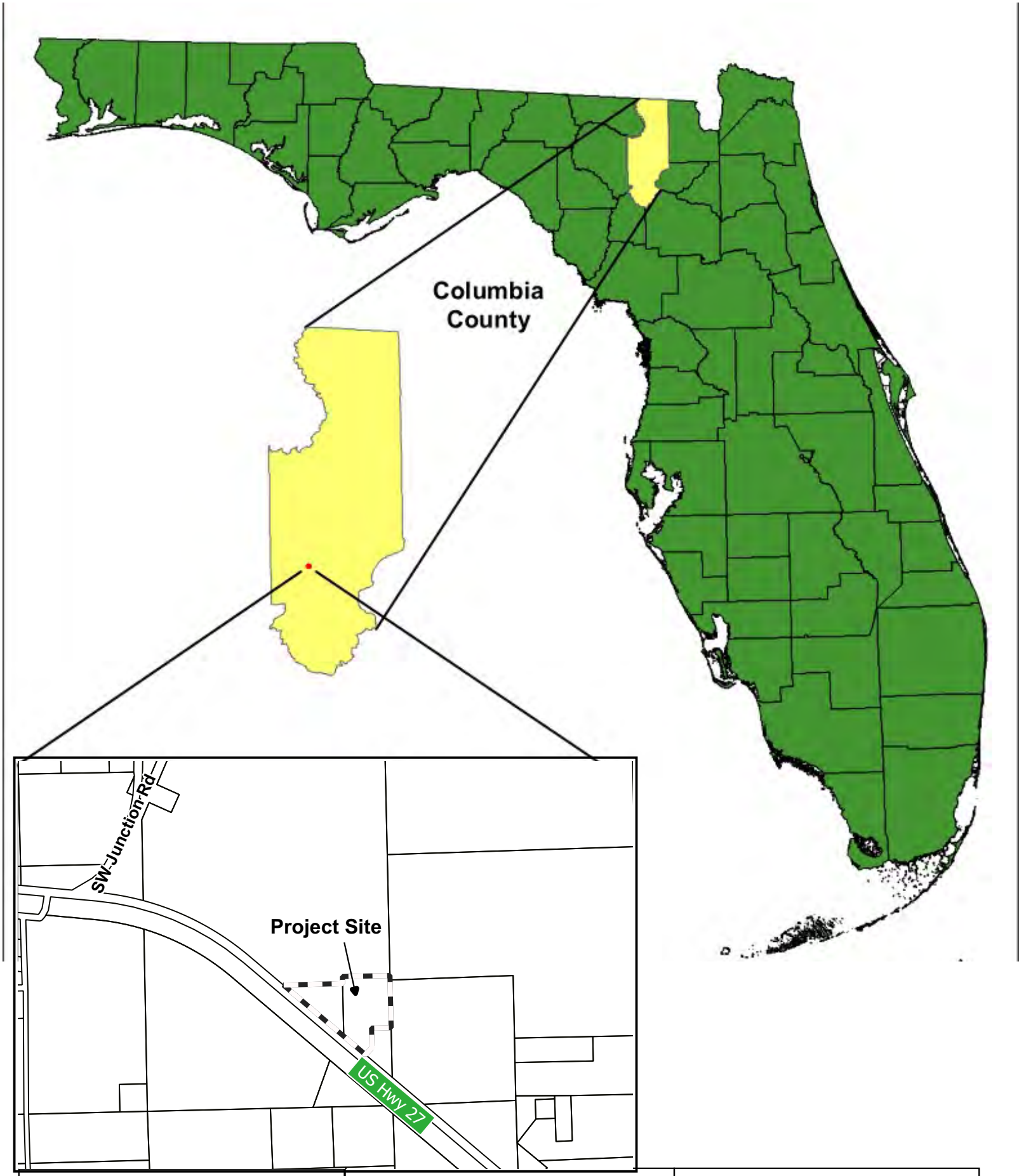
3. Provide Volume Recovery: All three SMFs were designed to either provide one-half of the total volume within 7 days following the end of all design storm events and the total volume available within 30 days following the end of all design storm events, or for events that do not meet the recovery requirements, back to back storms were routed through to ensure the system could provide the necessary storage volume (SRWMD).

4. Freeboard: All three SMFs has been designed to provide at least 1 foot of freeboard for all design storms (SRWMD).

Based on the information provided, the project is eligible for approval by Columbia County and SRWMD.

Figure 1

Project Location Map



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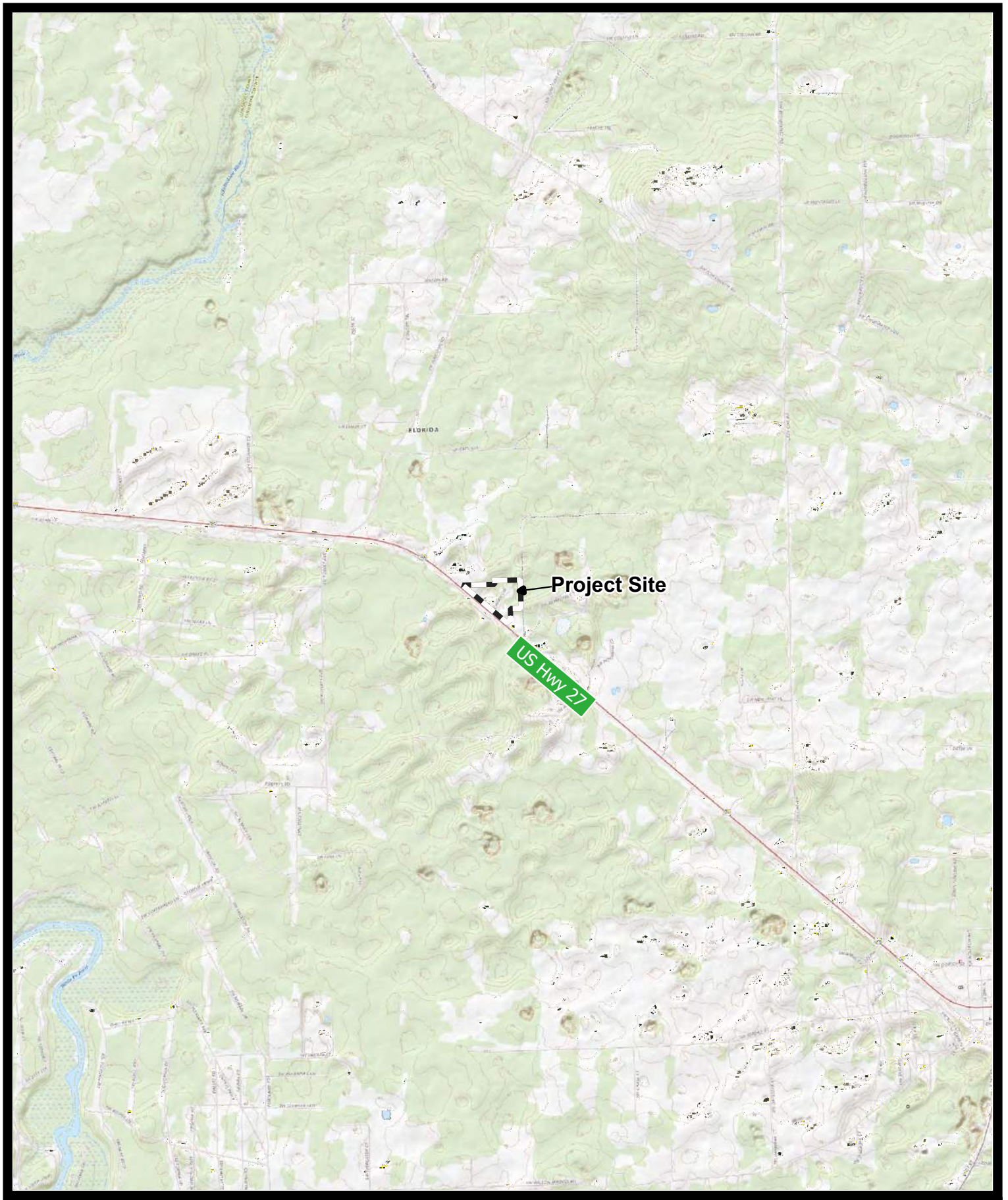
MOONSHINE ACRES
LOCATION MAP

0 500 1,000 ft

Figure 2

USGS Quadrangle Map



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MOONSHINE ACRES QUAD MAP

0 1,0002,000 ft

Figure 3

Aerial Map

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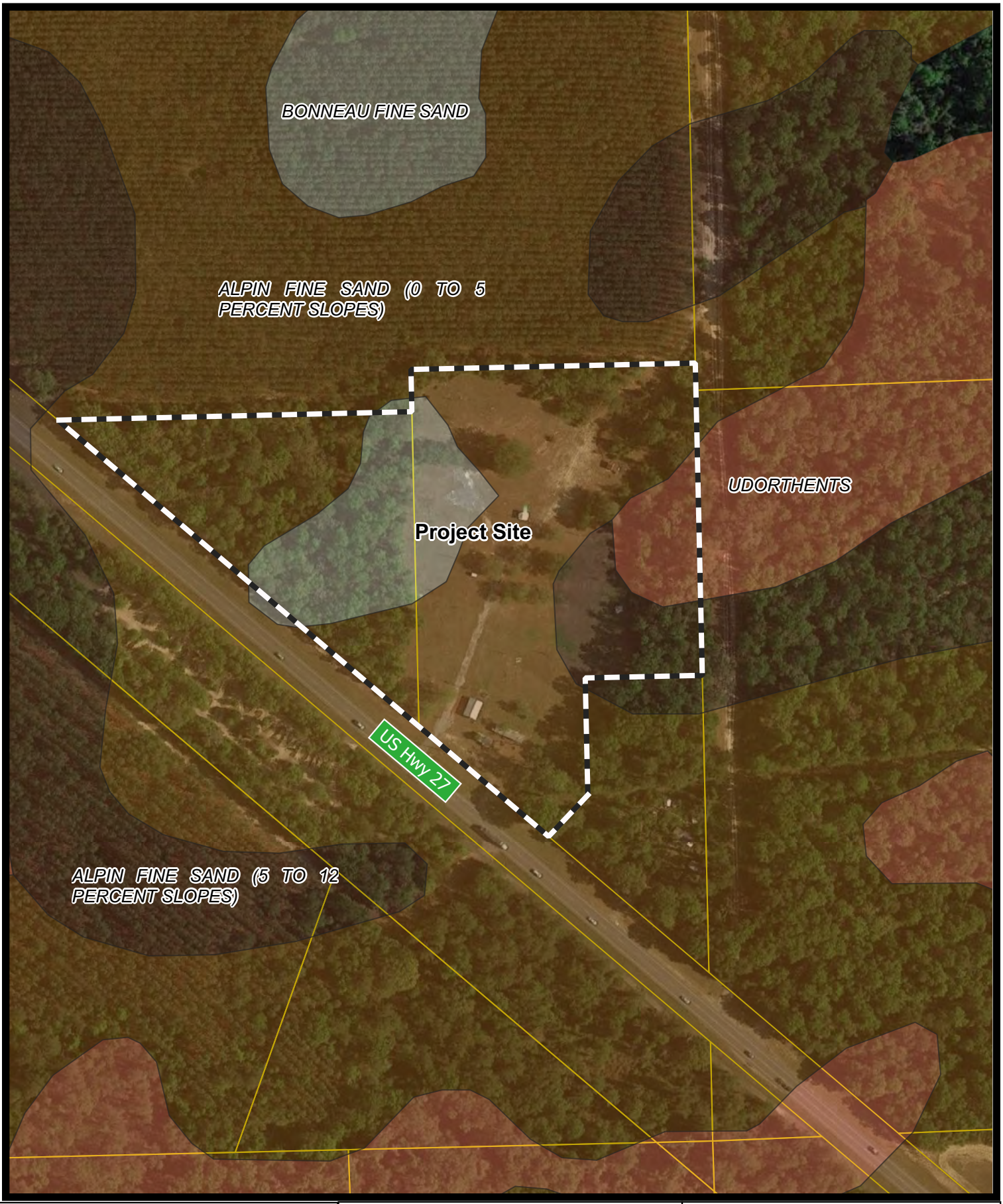
MOONSHINE ACRES
AERIAL MAP

0 100 200 ft

Figure 4

NRCS Soils Map



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MOONSHINE ACRES SOIL MAP

0 100 200 ft

Figure 5

FEMA Flood Map

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MOONSHINE ACRES
FEMA MAP

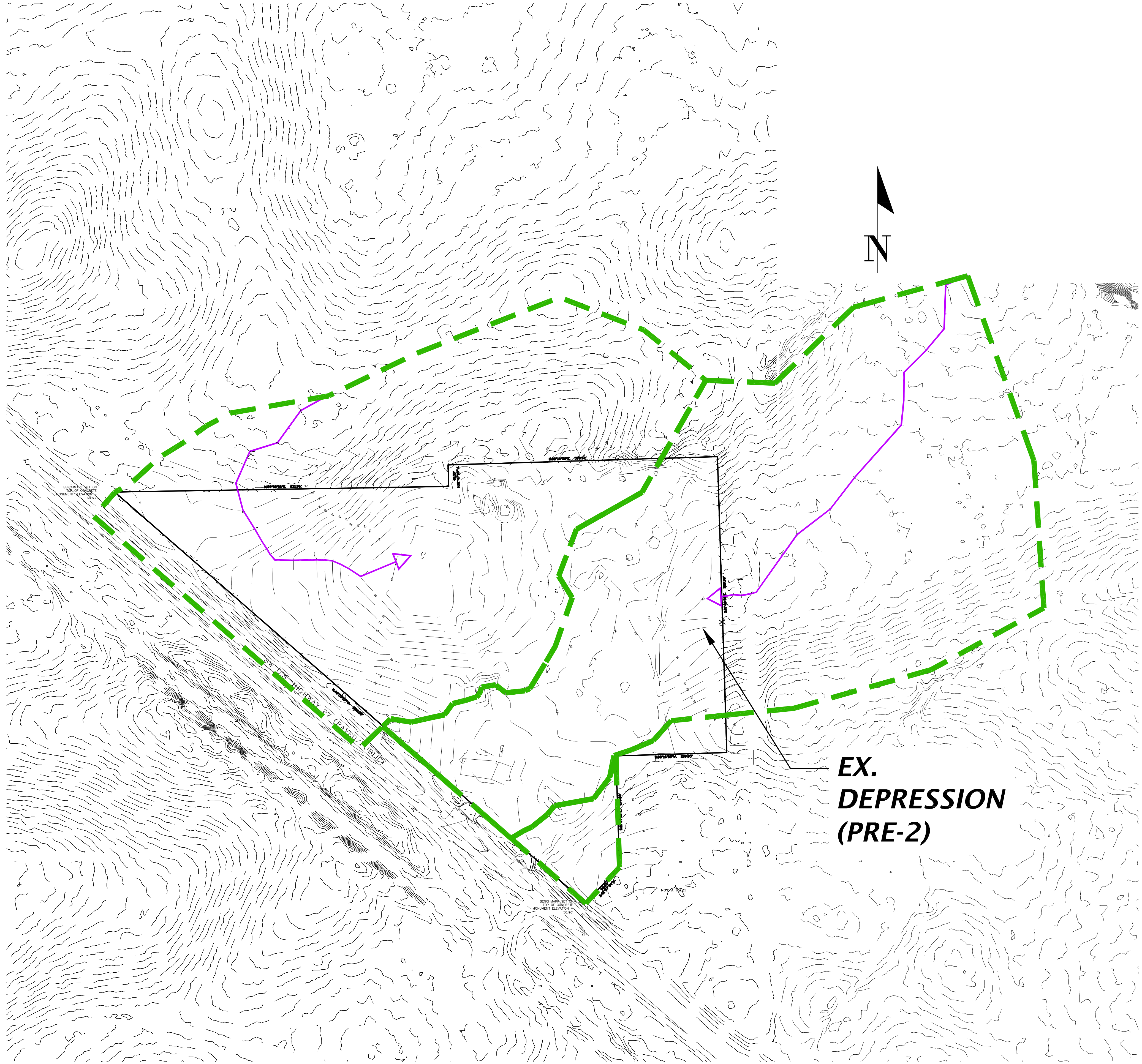
0 100 200 ft

Figure 6

Pre-Development Drainage Map

LEGEND

PRE-DEVELOPMENT ONSITE WATERSHED:



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SCALE: 1"=200'

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING

IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:

CLIENT: CAUSSEAUX, HEWETT, & WALPOLE, INC.
ENGINEERING - SURVEYING - PLANNING

PROJECT: MOONSHINE ACRES RV PARK

SHEET TITLE: PRE-DEVELOPMENT DRAINAGE ANALYSIS

TECHNICIAN:

DESIGNER:

QUALITY CONTROL:

PROJECT NUMBER: 20-0038

SHEET NO.: 1

Figure 7

Post-Development Drainage Map

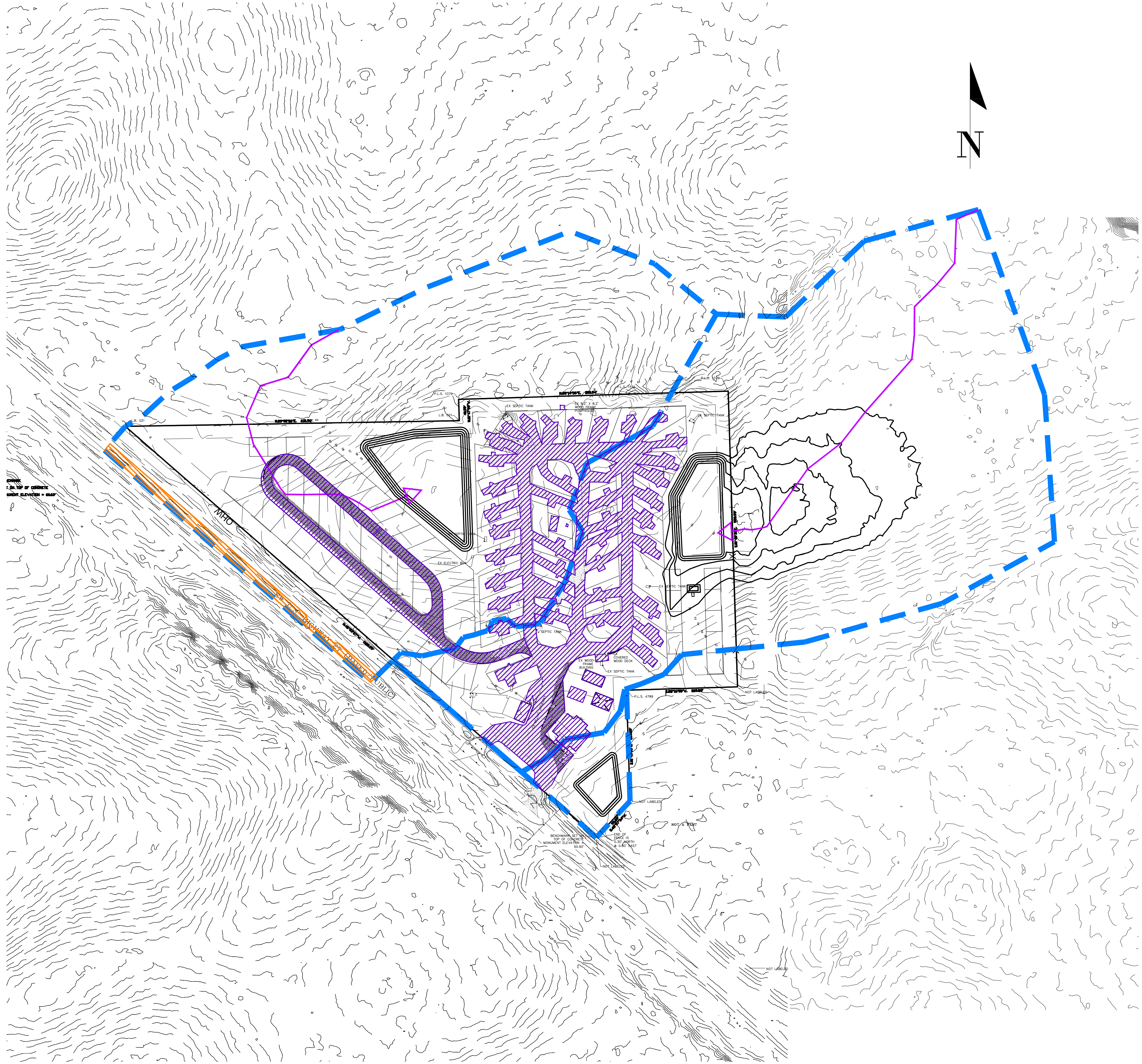
LEGEND

POST-DEVELOPMENT WATERSHED BOUNDARY:

POST-DEVELOPMENT TIME OF CONCENTRATION

EXISTING IMPERVIOUS AREA:

PROPOSED IMPERVIOUS AREA:



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SCALE: 1"=200'

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:

CLIENT: CAUSSEAUX, HEWETT, & WALPOLE, INC. ENGINEERING - SURVEYING - PLANNING

PROJECT: MOONSHINE ACRES

SHEET TITLE: POST-DEVELOPMENT DRAINAGE MAP

TECHNICIAN:

DESIGNER:

QUALITY CONTROL:

PROJECT NUMBER: 20-0038

SHEET NO: 1

Appendix A

Drainage Calculations and
Computer Model Output

Project Number: 20-0038
Project Name: Moonshine Acres RV Park
Calculated by: MGM
Checked by: TJS
Date: 4/1/2020

GREEN-AMPT SUB-BASIN CALCULATIONS - POST-DEVELOPMENT

Soil Name (MUName)	MUKey	Kv-sat (ft/day)	Depth to Water Table (ft)	% Clay	% Sand	Soil Texture Class	Eff. Porosity (dec.)	Suction Head (in.)	Hydrologic Soil Group	Map Unit Symbol
Alpin fine sand, 0 to 5 percent slopes	797450	21.48	6.56	2.4	93.9	Sand	0.417	4.17	A	3
Alpin fine sand, 5 to 12 percent slopes	797461	21.87	6.56	3.1	93.6	Sand	0.417	4.17	A	4
Bonneau fine sand, 2 to 5 percent slopes	797432	10.14	2.26	18.8	76.2	Sandy Loam	0.412	8.74	B	13
Udorthents, 0 to 2 percent slopes	797485	14.12	3.02	26.3	68.8	Sandy Clay Loam	0.330	17.68	B	61

SMF-1

Soil Type	Total Area (ac.)	Open Space (ac.)	Roadway/Millings (ac.)	SMF (ac.)	% imp.
Alpin fine sand, 0 to 5 percent slopes	9.44	8.02	1.20	0.23	15%
Alpin fine sand, 5 to 12 percent slopes	0.48	0.48	0.00	0.00	0%
Bonneau fine sand, 2 to 5 percent slopes	2.35	1.47	0.38	0.50	38%

2" over drainage area: 89,022 cf
C: 0.29
Required WQTV: 25,893 cf

SMF-2

Soil Type	Total Area (ac.)	Open Space (ac.)	Roadway/Millings (ac.)	SMF (ac.)	% imp.
Alpin fine sand, 0 to 5 percent slopes	5.01	3.50	1.27	0.24	30%
Alpin fine sand, 5 to 12 percent slopes	2.45	2.20	0.25	0.00	10%
Udorthents, 0 to 2 percent slopes	6.46	3.98	0.01	2.47	38%

2" over drainage area: 101,059 cf
C: 0.38
Required WQTV: 38,232 cf

SMF-3

Soil Type	Total Area (ac.)	Open Space (ac.)	Roadway/Millings (ac.)	SMF (ac.)	% imp.
Alpin fine sand, 0 to 5 percent slopes	0.61	0.39	0.07	0.15	36%

2" over drainage area: 4,407 cf
C: 0.42
Required WQTV: 1,839 cf

Note:
Roadways and SMF areas were assumed 100% impervious. SMF areas were considered DCIA for this analysis.

Table 3.1 Typical Green-Ampt Parameters Based on Soil Class

Soil Class	Effective Porosity (decimal)	Wetting Front Suction Head (inches)	Wetting Front Suction Head (centimeters)	Saturated Hydraulic Conductivity (feet/day)	Saturated Hydraulic Conductivity (meters/day)
Sand	0.417	4.17	10.6	16.5362	5.0400
Loamy Sand	0.402	5.59	14.2	4.8113	1.4664
Sandy Loam	0.412	8.74	22.2	2.0395	0.6216
Loam	0.436	12.40	31.5	1.0394	0.3168
Silt Loam	0.486	15.91	40.4	0.5355	0.1632
Sandy Clay Loam	0.330	17.68	44.9	0.3386	0.1032
Clay Loam	0.389	17.56	44.6	0.1811	0.0552
Silty Clay Loam	0.431	22.87	58.1	0.1181	0.0360
Sandy Clay	0.321	25.04	63.6	0.0945	0.0288
Silty Clay	0.423	25.47	64.7	0.0709	0.0216
Clay	0.385	28.11	71.4	0.0472	0.0144

Source: U.S. Army Corps of Engineers, EM 1110-2-1417, August 31, 1994 (Table 6-2)
Notes: (1) Parameters in this table were originally published by Rawls and Brakensiek, 1982 and Rawls, Brakensiek, and Saxton, 1982.
(2) The effective porosities presented in this table were derived by subtracting mean residual saturation from mean total porosity.

Project Number: 20-0038
Project Name: Moonshine Acres RV Park
Calculated by: MGM
Checked by: TJS
Date: 04/01/2020

Project No. 20-0038: Moonshine Acres RV Park

	SHEET FLOW					SHALLOW CONCENTRATED FLOW					CHANNEL / PIPE FLOW							
BASIN	Manning's n (--)	Flow Length L (ft)	2-Year 24-Hour Rain, P2 (in)	Land Slope s (ft/ft)	Tt1 (hr)	Paved or Unpvd. (P or U)	Flow Length L (ft)	Water-course Slope, s (ft/ft)	Avg. Velocity V (ft/s)	Tt2 (hr)	Cross-Section Area, a (ft^2)	Wetted Perim. Pw (ft)	Hydraulic Radius r (ft)	Pipe Slope s (ft/ft)	Manning n (--)	Avg. Velocity V (ft/s)	Flow Length L (ft)	Tt3 (hr)
Post SMF-1	0.4	100	4.5	0.005	**0.53**	U	549	0.041	3.27	**0.05**	-	-	-	-	-	-	-	**0.00**
Post SMF-2	0.4	100	4.5	0.015	**0.34**	U	840	0.011	1.72	**0.14**	-	-	-	-	-	-	-	**0.00**

ID #	Tc (hr)	Tc (min)
Post SMF-1	0.57	**34**
Post SMF-2	0.47	**28**

Note: SMF-3 was assumed to have the minmum Tc of 10 minutes per FDOT

TIME OF CONCENTRATION VALUES DETERMINED USING TR-55 METHODOLOGY.

SHEET FLOW:

$$Tt = \frac{.007\,(nL)^{0.8}}{(P2)^{0.5}s^{0.4}}$$

SHALLOW CONCENTRATED FLOW:

1. For slopes < 0.005 ft/ft
   Unpaved $V=16.1345\,s^{0.5}$
   Paved $V=20.3282\,s^{0.5}$

2. For slopes > 0.005 ft/ft
   Velocity per Figure 3-1, TR-55

CHANNEL/PIPE FLOW:

$$V = \frac{1.49 r^{2/3} s^{1/2}}{n}$$

$$Tt = \frac{L}{3600\,V}$$

Project Number: 20-0038
Project Name: Moonshine Acres RV Park
Calculated by: MGM
Checked by: TJS
Date: 04/01/2020

Pre-Development DA-2: Stage-Storage Relationship				
ELEV.	Area (SF)	Area (AC)	Volume (CF)	Volume (AC-FT)
49.0	14,918	0.342	0	0
50.0	39,665	0.911	27,292	0.627
51.0	72,455	1.663	83,352	1.913
52.0	115,391	2.649	177,275	4.070

Post-Development SMF-1: Stage-Storage Relationship				
ELEV.	Area (SF)	Area (AC)	Volume (CF)	Volume (AC-FT)
47.0	19,930	0.458	0	0
48.0	22,539	0.517	21,234	0.487
49.0	25,400	0.583	45,204	1.038
50.0	28,437	0.653	72,122	1.656
51.0	31,650	0.727	102,166	2.345

Post-Development - SMF-1 (Dry retention stormwater management facility):

WQTV:	25,893	cf
WQTV EL:	48.13	ft
1/2 Volume:	51,083	cf
1/2 Volume EL:	49.23	ft

Post-Development SMF-2: Stage-Storage Relationship				
ELEV.	Area (SF)	Area (AC)	Volume (CF)	Volume (AC-FT)
47.0	12,241	0.281	0	0.000
48.0	14,170	0.325	13,206	0
49.0	28,782	0.661	34,682	0.796
50.0	47,760	1.096	72,953	1.675
51.0	77,293	1.774	135,479	3.110
52.0	118,245	2.715	233,248	5.355

Post-Development - SMF-2 (Dry retention stormwater management facility):

WQTV:	38,232	cf
WQTV EL:	48.64	ft
1/2 Volume:	116,624	cf
1/2 Volume EL:	50.62	ft

Post-Development SMF-3: Stage-Storage Relationship				
ELEV.	Area (SF)	Area (AC)	Volume (CF)	Volume (AC-FT)
48.0	4,122	0.095	0	0
49.0	5,254	0.121	4,688	0.108
50.0	6,487	0.149	10,559	0.242

Post-Development - SMF-3 (Dry retention stormwater management facility):

WQTV:	1,839	cf
WQTV EL:	48.39	ft
1/2 Volume:	5,279	cf
1/2 Volume EL:	49.04	ft

Section 1

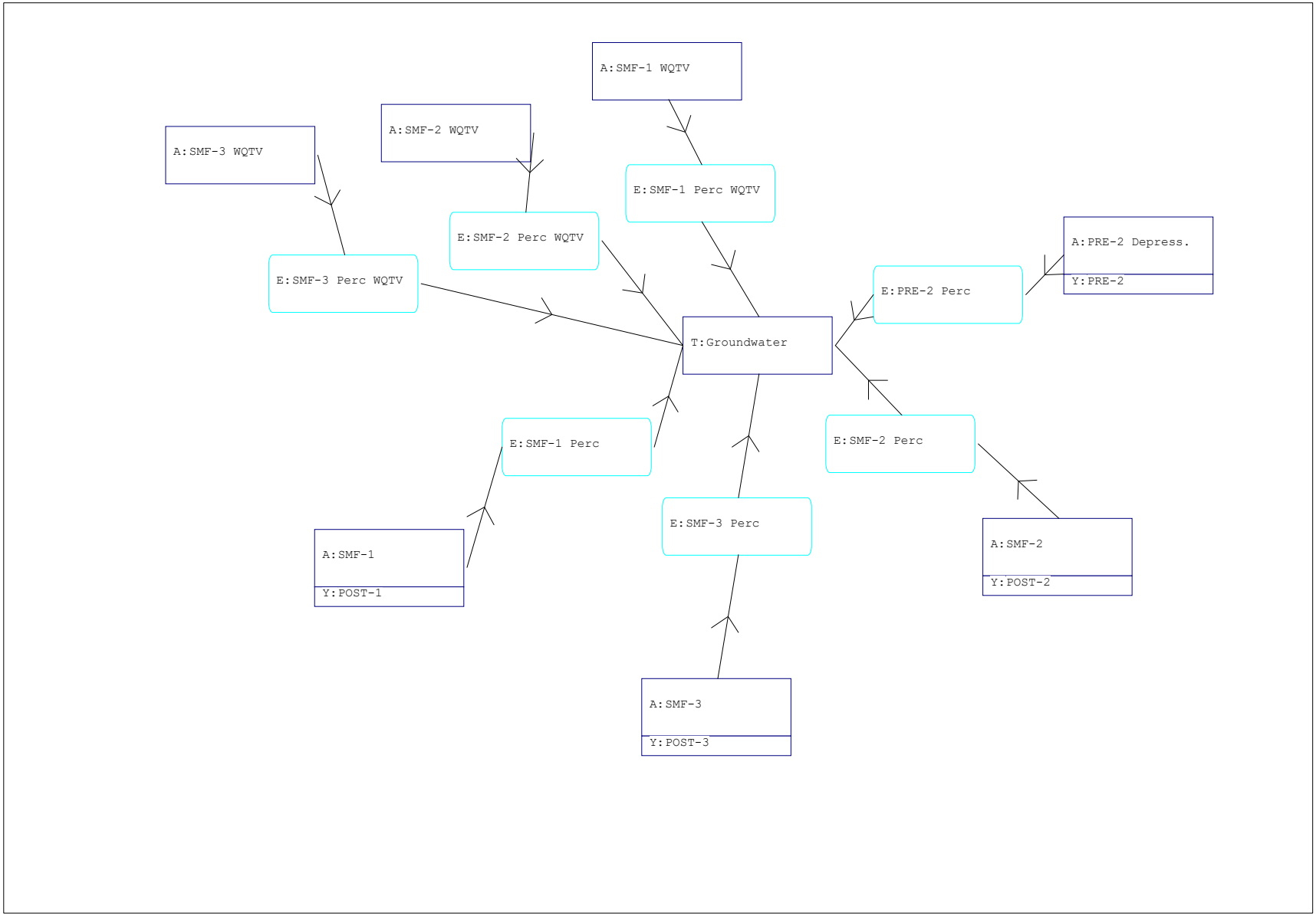
ICPR Results

Moonshine Acres Post Development
Network

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



==========
==== Basins ==========
==========

Name: POST-1 Node: SMF-1 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 34.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.440	15.000	2.40	6.560	21.480	0.417	4.170
0.480	0.000	0.00	6.560	21.870	0.417	4.170
2.350	38.000	21.30	2.260	10.140	0.412	8.740

Name: POST-2 Node: SMF-2 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.010	30.000	4.80	6.560	21.480	0.417	4.170
2.450	10.000	0.00	6.560	21.870	0.417	4.170
6.460	38.000	38.00	3.020	14.120	0.330	17.680

Name: POST-3 Node: SMF-3 Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
0.610	36.000	24.60	6.560	21.480	0.417	4.170

Name: PRE-2 Node: PRE-2 Depress. Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.010	3.570	3.57	6.560	21.480	0.417	4.170
2.450	0.000	0.00	6.560	21.870	0.417	4.170
6.460	38.000	38.00	3.020	14.120	0.330	17.680

==========
==== Nodes ==========
==========

Name: Groundwater Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	0.000
999.00	0.000

Name: PRE-2 Depress. Base Flow(cfs): 0.000 Init Stage(ft): 49.000
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
49.000	0.3420
50.000	0.9110
51.000	1.6630
52.000	2.6490

Name: SMF-1 Base Flow(cfs): 0.000 Init Stage(ft): 47.000
Group: BASE Warn Stage(ft): 50.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4580
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-1 WQTV Base Flow(cfs): 0.000 Init Stage(ft): 48.130
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4580
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-2 Base Flow(cfs): 0.000 Init Stage(ft): 47.000
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.2810
48.000	0.3250
49.000	0.6610
50.000	1.0960
51.000	1.7740
52.000	2.7150

Name: SMF-2 WQTV Base Flow(cfs): 0.000 Init Stage(ft): 48.640
Group: BASE Warn Stage(ft): 52.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.2810
48.000	0.3250
49.000	0.6610
50.000	1.0960
51.000	1.7740
52.000	2.7150

Name: SMF-3 Base Flow(cfs): 0.000 Init Stage(ft): 48.000
Group: BASE Warn Stage(ft): 49.000
Type: Stage/Area

Stage(ft)	Area(ac)
48.000	0.0950
49.000	0.1210

50.000	0.1490

Name: SMF-3 WQTV Base Flow(cfs): 0.000 Init Stage(ft): 48.390
Group: BASE Warn Stage(ft): 50.000
Type: Stage/Area

Stage(ft)	Area(ac)
48.000	0.0950
49.000	0.1210
50.000	0.1490

==========
==== Percolation Links ====
==========

Name: PRE-2 Perc From Node: PRE-2 Depress. Flow: Both
Group: BASE To Node: Groundwater Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 40.000 Perimeter 1(ft): 1642.000
Water Table Elev(ft): 45.250 Perimeter 2(ft): 1988.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4483.000
Horiz Conductivity(ft/day): 4.500 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 2.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.300 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 3.750

Name: SMF-1 Perc From Node: SMF-1 Flow: Both
Group: BASE To Node: Groundwater Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 45.500 Perimeter 1(ft): 800.000
Water Table Elev(ft): 46.000 Perimeter 2(ft): 1301.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 2627.000
Horiz Conductivity(ft/day): 5.980 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 2.650 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.285 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 1.000

Name: SMF-1 Perc WQTV From Node: SMF-1 WQTV Flow: Both
Group: BASE To Node: Groundwater Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 45.500 Perimeter 1(ft): 800.000
Water Table Elev(ft): 46.000 Perimeter 2(ft): 1301.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 2627.000
Horiz Conductivity(ft/day): 5.980 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 2.650 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.285 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 1.000

Name: SMF-2 Perc From Node: SMF-2 Flow: Both
Group: BASE To Node: Groundwater Count: 1

Surface Area Option: Vary based on Stage/Area Table
Vertical Flow Termination: Horizontal Flow Algorithm
Aquifer Base Elev(ft): 40.000 Perimeter 1(ft): 1642.000
Water Table Elev(ft): 45.250 Perimeter 2(ft): 1988.000
Ann Recharge Rate(in/year): 0.000 Perimeter 3(ft): 4755.000
Horiz Conductivity(ft/day): 4.500 Distance 1 to 2(ft): 50.000
Vert Conductivity(ft/day): 2.000 Distance 2 to 3(ft): 450.000
Effective Porosity(dec): 0.300 Num Cells 1 to 2: 10
Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 1.750

```
-------------------------------------------------------------------------------------------------
         Name: SMF-2 Perc WQTV     From Node: SMF-2 WQTV              Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 40.000                      Perimeter 1(ft): 1642.000
        Water Table Elev(ft): 45.250                      Perimeter 2(ft): 1988.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 4755.000
  Horiz Conductivity(ft/day): 4.500                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 2.000                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.300                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.750



-------------------------------------------------------------------------------------------------
         Name: SMF-3 Perc          From Node: SMF-3                   Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 36.000                      Perimeter 1(ft): 321.000
        Water Table Elev(ft): 47.000                      Perimeter 2(ft): 635.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1613.000
  Horiz Conductivity(ft/day): 1.200                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 0.550                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.300                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.000



-------------------------------------------------------------------------------------------------
         Name: SMF-3 Perc WQTV     From Node: SMF-3 WQTV              Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 36.000                      Perimeter 1(ft): 321.000
        Water Table Elev(ft): 47.000                      Perimeter 2(ft): 635.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 1613.000
  Horiz Conductivity(ft/day): 1.200                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 0.550                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.300                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.000



=================================================================================================
==== Hydrology Simulations ======================================================================
=================================================================================================

         Name: SCS 100yr001hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr001hr.R32

      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: Fdot-1
    Rainfall Amount(in): 4.20

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

-------------------------------------------------------------------------------------------------
         Name: SCS 100yr002hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr002hr.R32

      Override Defaults: Yes
    Storm Duration(hrs): 2.00
          Rainfall File: Fdot-2
    Rainfall Amount(in): 5.10

Time(hrs)       Print Inc(min)
--------------- ---------------
30.000          5.00

-------------------------------------------------------------------------------------------------
         Name: SCS 100yr004hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr004hr.R32
```

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 6.08

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr008hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr008hr.R32

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-8
Rainfall Amount(in): 7.36

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr024hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr024hr.R32

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 9.84

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr072hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr072hr.R32

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: Fdot-72
Rainfall Amount(in): 12.40

Time(hrs)	Print Inc(min)
80.000	5.00

Name: SCS 100yr168hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr168hr.R32

Override Defaults: Yes
Storm Duration(hrs): 168.00
Rainfall File: Fdot-168
Rainfall Amount(in): 14.00

Time(hrs)	Print Inc(min)
175.000	5.00

Name: SCS 100yr240hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100yr240hr.R32

Override Defaults: Yes
Storm Duration(hrs): 240.00
Rainfall File: Fdot-240
Rainfall Amount(in): 16.10

Time(hrs)	Print Inc(min)
250.000	5.00

Name: WQTV
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\WQTV.R32

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 0.00

Time(hrs)	Print Inc(min)
30.000	5.00
72.000	10.00

```
================================================================================
==== Routing Simulations ======================================================
================================================================================

         Name: SCS 100-001         Hydrology Sim: SCS 100yr001hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-001.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 721.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           1.000
721.000         60.000

Group           Run
--------------- -----
BASE            Yes


--------------------------------------------------------------------------------------------------------
         Name: SCS 100-002         Hydrology Sim: SCS 100yr002hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-002.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 722.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           1.000
722.000         60.000

Group           Run
--------------- -----
BASE            Yes


--------------------------------------------------------------------------------------------------------
         Name: SCS 100-004         Hydrology Sim: SCS 100yr004hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-004.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 724.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
4.000           1.000
724.000         60.000

Group           Run
--------------- -----
BASE            Yes


--------------------------------------------------------------------------------------------------------
         Name: SCS 100-008         Hydrology Sim: SCS 100yr008hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-008.I32

      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
```

Start Time(hrs): 0.000 End Time(hrs): 728.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
8.000	1.000
728.000	60.000

Group	Run
BASE	Yes

Name: SCS 100-024 Hydrology Sim: SCS 100yr024hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-024.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 744.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	1.000
744.000	60.000

Group	Run
BASE	Yes

Name: SCS 100-072 Hydrology Sim: SCS 100yr072hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-072.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 792.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	1.000
792.000	60.000

Group	Run
BASE	Yes

Name: SCS 100-168 Hydrology Sim: SCS 100yr168hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-168.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 888.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	1.000
888.000	60.000

Group	Run

BASE Yes

Name: SCS 100-240 Hydrology Sim: SCS 100yr240hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\SCS 100-240.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 960.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
24.000	1.000
960.000	60.000

Group	Run
BASE	Yes

Name: WQTV Hydrology Sim: WQTV
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\WQTV.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 73.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
73.000	15.000

Group	Run
BASE	Yes

Moonshine Acres Post Development
SMF-1 Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1	BASE	SCS 100-001	1.91	47.31	50.00	-0.0016	20737	0.92	3.11	1.91	0.64
SMF-1	BASE	SCS 100-002	2.45	47.36	50.00	-0.0011	20867	1.08	2.65	2.45	0.64
SMF-1	BASE	SCS 100-004	5.26	47.46	50.00	0.0019	21125	2.42	1.88	3.49	0.64
SMF-1	BASE	SCS 100-008	8.98	47.60	50.00	0.0019	21488	4.17	1.95	4.28	0.63
SMF-1	BASE	SCS 100-024	25.23	48.14	50.00	0.0019	22924	21.08	0.76	8.43	0.34
SMF-1	BASE	SCS 100-072	72.83	49.00	50.00	0.0041	25393	60.00	1.59	10.80	0.25
SMF-1	BASE	SCS 100-168	168.97	49.46	50.00	0.0026	26788	154.77	1.07	34.80	0.18
SMF-1	BASE	SCS 100-240	240.60	49.92	50.00	0.0037	28210	179.27	1.44	34.78	0.22

Moonshine Acres Post Development
SMF-2 Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-2	BASE	SCS 100-001	2.33	49.03	51.00	0.0050	29390	0.83	12.83	2.33	0.68
SMF-2	BASE	SCS 100-002	2.76	49.26	51.00	0.0050	33719	1.00	10.86	2.76	0.78
SMF-2	BASE	SCS 100-004	4.36	49.45	51.00	0.0050	37300	2.25	7.31	4.36	0.86
SMF-2	BASE	SCS 100-008	7.31	49.57	51.00	0.0050	39547	4.08	7.61	7.31	0.92
SMF-2	BASE	SCS 100-024	22.43	49.49	51.00	0.0044	38106	12.08	2.59	19.67	0.87
SMF-2	BASE	SCS 100-072	72.52	50.14	51.00	0.0030	51804	58.27	1.67	14.93	0.32
SMF-2	BASE	SCS 100-168	168.67	50.50	51.00	0.0033	62622	158.85	2.78	160.30	0.24
SMF-2	BASE	SCS 100-240	240.37	50.89	51.00	0.0044	73997	184.00	3.72	184.40	0.27

Moonshine Acres Post Development
Existing Depression Pre-2 Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
PRE-2 Depress.	BASE	SCS 100-001	2.16	50.13	51.00	0.0037	43889	0.83	12.54	2.16	1.02
PRE-2 Depress.	BASE	SCS 100-002	2.61	50.27	51.00	0.0036	48486	1.00	10.61	2.61	1.12
PRE-2 Depress.	BASE	SCS 100-004	4.21	50.38	51.00	0.0034	51990	2.25	7.14	4.21	1.20
PRE-2 Depress.	BASE	SCS 100-008	6.36	50.42	51.00	0.0034	53552	4.08	7.43	6.36	1.24
PRE-2 Depress.	BASE	SCS 100-024	17.52	50.18	51.00	0.0027	45659	12.08	2.53	17.52	1.06
PRE-2 Depress.	BASE	SCS 100-072	72.48	50.65	51.00	0.0024	60931	58.27	1.63	13.52	0.54
PRE-2 Depress.	BASE	SCS 100-168	168.65	50.87	51.00	0.0030	68207	158.85	2.75	40.30	0.51
PRE-2 Depress.	BASE	SCS 100-240	240.35	51.29	51.00	0.0036	85054	184.00	3.69	40.37	0.58

Moonshine Acres Post Development
SMF-3 Peak Stages

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-3	BASE	SCS 100-001	1.51	48.47	49.00	0.0035	4673	0.67	1.01	1.51	0.03
SMF-3	BASE	SCS 100-002	2.32	48.56	49.00	0.0027	4767	0.83	0.81	2.32	0.03
SMF-3	BASE	SCS 100-004	4.13	48.63	49.00	0.0016	4854	2.00	0.46	4.13	0.03
SMF-3	BASE	SCS 100-008	8.06	48.70	49.00	0.0015	4931	4.00	0.47	8.06	0.03
SMF-3	BASE	SCS 100-024	22.38	48.69	49.00	0.0016	4925	12.00	0.15	17.25	0.03
SMF-3	BASE	SCS 100-072	68.62	48.80	49.00	0.0011	5045	57.10	0.09	16.10	0.03
SMF-3	BASE	SCS 100-168	168.17	48.80	49.00	0.0007	5039	153.10	0.06	36.65	0.03
SMF-3	BASE	SCS 100-240	216.35	48.84	49.00	0.0011	5086	177.10	0.08	38.73	0.03

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-001	SMF-1	BASE	246.01	47.01	50.00	19975	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	247.01	47.01	50.00	19974	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	248.01	47.01	50.00	19973	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	249.01	47.01	50.00	19972	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	250.01	47.01	50.00	19971	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	251.01	47.01	50.00	19969	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	252.01	47.01	50.00	19968	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	253.01	47.01	50.00	19967	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	254.01	47.01	50.00	19966	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	255.01	47.01	50.00	19965	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	256.01	47.01	50.00	19964	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	257.01	47.00	50.00	19963	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	258.01	47.00	50.00	19962	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	259.01	47.00	50.00	19961	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	260.01	47.00	50.00	19960	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	261.01	47.00	50.00	19959	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	262.01	47.00	50.00	19958	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	263.01	47.00	50.00	19957	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	264.01	47.00	50.00	19956	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	265.01	47.00	50.00	19955	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	266.01	47.00	50.00	19954	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	267.01	47.00	50.00	19953	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	268.01	47.00	50.00	19952	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	269.01	47.00	50.00	19951	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	270.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	271.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	272.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	273.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	274.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	275.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	276.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	277.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	278.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	279.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	280.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	281.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	282.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	283.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	284.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	285.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	286.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	287.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	288.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	289.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	290.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	291.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	292.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	293.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	294.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	295.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	296.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	297.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	298.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	299.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	300.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	301.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	302.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	303.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	304.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	305.01	47.00	50.00	19950	0.00	0.00	0.3	0.2
SCS 100-001	SMF-1	BASE	306.01	47.00	50.00	19950	0.00	0.00	0.3	0.2

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-002	SMF-1	BASE	441.02	47.02	50.00	19999	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	442.02	47.02	50.00	19998	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	443.02	47.02	50.00	19998	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	444.02	47.02	50.00	19997	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	445.02	47.02	50.00	19996	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	446.02	47.02	50.00	19995	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	447.02	47.02	50.00	19994	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	448.02	47.02	50.00	19994	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	449.02	47.02	50.00	19993	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	450.02	47.02	50.00	19992	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	451.02	47.02	50.00	19991	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	452.02	47.02	50.00	19990	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	453.02	47.02	50.00	19990	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	454.02	47.01	50.00	19989	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	455.02	47.01	50.00	19988	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	456.02	47.01	50.00	19987	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	457.02	47.01	50.00	19987	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	458.02	47.01	50.00	19986	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	459.02	47.01	50.00	19985	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	460.02	47.01	50.00	19984	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	461.02	47.01	50.00	19983	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	462.02	47.01	50.00	19983	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	463.02	47.01	50.00	19982	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	464.02	47.01	50.00	19981	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	465.02	47.01	50.00	19980	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	466.02	47.01	50.00	19979	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	467.02	47.01	50.00	19979	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	468.02	47.01	50.00	19978	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	469.02	47.01	50.00	19977	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	470.02	47.01	50.00	19976	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	471.02	47.01	50.00	19976	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	472.02	47.01	50.00	19975	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	473.02	47.01	50.00	19974	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	474.02	47.01	50.00	19973	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	475.02	47.01	50.00	19973	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	476.02	47.01	50.00	19972	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	477.02	47.01	50.00	19971	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	478.02	47.01	50.00	19970	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	479.02	47.01	50.00	19969	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	480.02	47.01	50.00	19969	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	481.02	47.01	50.00	19968	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	482.02	47.01	50.00	19967	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	483.02	47.01	50.00	19966	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	484.02	47.01	50.00	19966	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	485.02	47.01	50.00	19965	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	486.02	47.01	50.00	19964	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	487.02	47.01	50.00	19963	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	488.02	47.00	50.00	19963	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	489.02	47.00	50.00	19962	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	490.02	47.00	50.00	19961	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	491.02	47.00	50.00	19960	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	492.02	47.00	50.00	19960	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	493.02	47.00	50.00	19959	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	494.02	47.00	50.00	19958	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	495.02	47.00	50.00	19957	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	496.02	47.00	50.00	19957	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	497.02	47.00	50.00	19956	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	498.02	47.00	50.00	19955	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	499.02	47.00	50.00	19954	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	500.02	47.00	50.00	19954	0.00	0.00	0.3	0.3
SCS 100-002	SMF-1	BASE	501.02	47.00	50.00	19953	0.00	0.00	0.3	0.3

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-004	SMF-1	BASE	700.03	47.03	50.00	20032	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	701.03	47.03	50.00	20032	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	702.03	47.03	50.00	20031	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	703.03	47.03	50.00	20030	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	704.03	47.03	50.00	20030	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	705.03	47.03	50.00	20029	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	706.03	47.03	50.00	20028	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	707.03	47.03	50.00	20028	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	708.03	47.03	50.00	20027	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	709.03	47.03	50.00	20026	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	710.03	47.03	50.00	20026	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	711.03	47.03	50.00	20025	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	712.03	47.03	50.00	20025	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	713.03	47.03	50.00	20024	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	714.03	47.03	50.00	20023	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	715.03	47.03	50.00	20023	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	716.03	47.03	50.00	20022	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	717.03	47.03	50.00	20021	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	718.03	47.03	50.00	20021	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	719.03	47.03	50.00	20020	0.00	0.00	0.4	0.3
SCS 100-004	SMF-1	BASE	720.03	47.03	50.00	20020	0.00	0.00	0.4	0.4
SCS 100-004	SMF-1	BASE	721.03	47.03	50.00	20019	0.00	0.00	0.4	0.4
SCS 100-004	SMF-1	BASE	722.03	47.03	50.00	20018	0.00	0.00	0.4	0.4
SCS 100-004	SMF-1	BASE	723.03	47.03	50.00	20018	0.00	0.00	0.4	0.4
SCS 100-004	SMF-1	BASE	724.01	47.03	50.00	20017	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	0.00	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.02	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.03	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.05	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.07	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.08	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.10	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.12	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.13	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.16	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.18	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.19	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.21	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.22	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.23	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.26	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.27	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.29	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.31	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.33	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.34	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.35	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.37	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.39	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.40	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.42	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.43	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.45	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.47	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.48	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.50	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.53	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.55	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.57	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-008	SMF-1	BASE	0.58	47.00	50.00	19950	0.00	0.00	0.0	0.0

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-008	SMF-1	BASE	721.03	47.13	50.00	20297	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	722.03	47.13	50.00	20296	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	723.03	47.13	50.00	20295	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	724.03	47.13	50.00	20294	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	725.03	47.13	50.00	20294	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	726.03	47.13	50.00	20293	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	727.03	47.13	50.00	20292	0.00	0.00	0.4	0.4
SCS 100-008	SMF-1	BASE	728.00	47.13	50.00	20292	0.00	0.00	0.4	0.4
SCS 100-024	SMF-1	BASE	0.00	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.02	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.03	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.05	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.07	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.08	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.10	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.12	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.13	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.16	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.18	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.19	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.21	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.22	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.23	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.26	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.27	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.29	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.31	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.33	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.34	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.35	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.37	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.39	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.40	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.42	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.43	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.45	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.47	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.48	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.50	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.53	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.55	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.57	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.58	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.60	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.62	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.63	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.65	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.67	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.68	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.70	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.72	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.73	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.75	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.77	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.78	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.80	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.82	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.83	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.85	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-024	SMF-1	BASE	0.87	47.00	50.00	19950	0.00	0.00	0.0	0.0

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-024	SMF-1	BASE	709.03	47.53	50.00	21323	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	710.03	47.53	50.00	21322	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	711.03	47.53	50.00	21321	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	712.03	47.53	50.00	21320	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	713.03	47.53	50.00	21319	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	714.03	47.53	50.00	21318	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	715.03	47.53	50.00	21317	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	716.03	47.53	50.00	21316	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	717.03	47.53	50.00	21315	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	718.03	47.53	50.00	21314	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	719.03	47.53	50.00	21313	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	720.03	47.53	50.00	21312	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	721.03	47.53	50.00	21311	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	722.03	47.53	50.00	21310	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	723.03	47.53	50.00	21309	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	724.03	47.53	50.00	21308	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	725.03	47.53	50.00	21307	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	726.03	47.53	50.00	21306	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	727.03	47.53	50.00	21305	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	728.03	47.53	50.00	21304	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	729.03	47.53	50.00	21303	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	730.03	47.53	50.00	21302	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	731.03	47.53	50.00	21301	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	732.03	47.53	50.00	21300	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	733.03	47.52	50.00	21299	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	734.03	47.52	50.00	21298	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	735.03	47.52	50.00	21297	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	736.03	47.52	50.00	21296	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	737.03	47.52	50.00	21295	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	738.03	47.52	50.00	21294	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	739.03	47.52	50.00	21293	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	740.03	47.52	50.00	21292	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	741.03	47.52	50.00	21291	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	742.03	47.52	50.00	21290	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	743.03	47.52	50.00	21289	0.00	0.00	0.7	0.5
SCS 100-024	SMF-1	BASE	744.01	47.52	50.00	21288	0.00	0.00	0.7	0.5
SCS 100-072	SMF-1	BASE	0.00	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.02	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.03	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.05	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.07	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.08	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.10	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.12	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.13	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.16	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.18	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.19	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.21	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.22	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.23	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.26	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.27	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.29	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.31	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.33	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.34	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.35	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.37	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-072	SMF-1	BASE	0.39	47.00	50.00	19950	0.00	0.00	0.0	0.0

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-072	SMF-1	BASE	742.03	48.17	50.00	22997	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	743.03	48.17	50.00	22995	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	744.03	48.16	50.00	22993	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	745.03	48.16	50.00	22992	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	746.03	48.16	50.00	22990	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	747.03	48.16	50.00	22988	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	748.03	48.16	50.00	22987	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	749.03	48.16	50.00	22985	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	750.03	48.16	50.00	22983	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	751.03	48.16	50.00	22982	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	752.03	48.16	50.00	22980	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	753.03	48.16	50.00	22978	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	754.03	48.16	50.00	22977	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	755.03	48.16	50.00	22975	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	756.03	48.16	50.00	22973	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	757.03	48.16	50.00	22972	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	758.03	48.16	50.00	22970	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	759.03	48.16	50.00	22968	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	760.03	48.16	50.00	22967	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	761.03	48.15	50.00	22965	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	762.03	48.15	50.00	22963	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	763.03	48.15	50.00	22962	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	764.03	48.15	50.00	22960	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	765.03	48.15	50.00	22958	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	766.03	48.15	50.00	22957	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	767.03	48.15	50.00	22955	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	768.03	48.15	50.00	22954	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	769.03	48.15	50.00	22952	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	770.03	48.15	50.00	22950	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	771.03	48.15	50.00	22949	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	772.03	48.15	50.00	22947	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	773.03	48.15	50.00	22945	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	774.03	48.15	50.00	22944	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	775.03	48.15	50.00	22942	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	776.03	48.15	50.00	22940	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	777.03	48.15	50.00	22939	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	778.03	48.14	50.00	22937	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	779.03	48.14	50.00	22936	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	780.03	48.14	50.00	22934	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	781.03	48.14	50.00	22932	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	782.03	48.14	50.00	22931	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	783.03	48.14	50.00	22929	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	784.03	48.14	50.00	22927	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	785.03	48.14	50.00	22926	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	786.03	48.14	50.00	22924	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	787.03	48.14	50.00	22923	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	788.03	48.14	50.00	22921	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	789.03	48.14	50.00	22919	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	790.03	48.14	50.00	22918	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	791.03	48.14	50.00	22916	0.00	0.00	1.3	0.7
SCS 100-072	SMF-1	BASE	792.01	48.14	50.00	22915	0.00	0.00	1.3	0.7
SCS 100-168	SMF-1	BASE	0.00	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.02	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.03	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.05	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.07	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.08	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.10	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.12	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-168	SMF-1	BASE	0.13	47.00	50.00	19950	0.00	0.00	0.0	0.0

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-168	SMF-1	BASE	178.03	49.41	50.00	26647	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	179.03	49.41	50.00	26633	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	180.03	49.40	50.00	26619	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	181.03	49.40	50.00	26605	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	182.03	49.39	50.00	26592	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	183.03	49.39	50.00	26579	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	184.03	49.38	50.00	26566	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	185.03	49.38	50.00	26553	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	186.03	49.38	50.00	26541	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	187.03	49.37	50.00	26529	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	188.03	49.37	50.00	26517	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	189.03	49.36	50.00	26505	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	190.03	49.36	50.00	26493	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	191.03	49.36	50.00	26482	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	192.03	49.35	50.00	26471	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	193.03	49.35	50.00	26459	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	194.03	49.35	50.00	26448	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	195.03	49.34	50.00	26437	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	196.03	49.34	50.00	26427	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	197.03	49.33	50.00	26416	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	198.03	49.33	50.00	26406	0.00	0.03	1.6	0.4
SCS 100-168	SMF-1	BASE	199.03	49.33	50.00	26395	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	200.03	49.32	50.00	26385	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	201.03	49.32	50.00	26375	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	202.03	49.32	50.00	26365	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	203.03	49.31	50.00	26355	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	204.03	49.31	50.00	26345	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	205.03	49.31	50.00	26335	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	206.03	49.31	50.00	26326	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	207.03	49.30	50.00	26316	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	208.03	49.30	50.00	26307	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	209.03	49.30	50.00	26297	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	210.03	49.29	50.00	26288	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	211.03	49.29	50.00	26279	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	212.03	49.29	50.00	26270	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	213.03	49.28	50.00	26261	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	214.03	49.28	50.00	26252	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	215.03	49.28	50.00	26243	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	216.03	49.28	50.00	26234	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	217.03	49.27	50.00	26225	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	218.03	49.27	50.00	26217	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	219.03	49.27	50.00	26208	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	220.03	49.26	50.00	26200	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	221.03	49.26	50.00	26191	0.00	0.02	1.6	0.4
SCS 100-168	SMF-1	BASE	222.03	49.26	50.00	26183	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	223.03	49.26	50.00	26175	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	224.03	49.25	50.00	26166	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	225.03	49.25	50.00	26158	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	226.03	49.25	50.00	26150	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	227.03	49.24	50.00	26142	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	228.03	49.24	50.00	26134	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	229.03	49.24	50.00	26126	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	230.03	49.24	50.00	26118	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	231.03	49.23	50.00	26110	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	232.03	49.23	50.00	26102	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	233.03	49.23	50.00	26094	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	234.03	49.23	50.00	26087	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	235.03	49.22	50.00	26079	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	236.03	49.22	50.00	26071	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	237.03	49.22	50.00	26064	0.00	0.02	1.6	0.5
SCS 100-168	SMF-1	BASE	238.03	49.22	50.00	26056	0.00	0.02	1.6	0.5

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-168	SMF-1	BASE	849.03	48.51	50.00	23985	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	850.03	48.51	50.00	23983	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	851.03	48.51	50.00	23981	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	852.03	48.51	50.00	23979	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	853.03	48.51	50.00	23977	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	854.03	48.51	50.00	23975	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	855.03	48.51	50.00	23973	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	856.03	48.50	50.00	23972	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	857.03	48.50	50.00	23970	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	858.03	48.50	50.00	23968	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	859.03	48.50	50.00	23966	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	860.03	48.50	50.00	23964	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	861.03	48.50	50.00	23962	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	862.03	48.50	50.00	23960	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	863.03	48.50	50.00	23958	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	864.03	48.50	50.00	23956	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	865.03	48.50	50.00	23954	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	866.03	48.50	50.00	23952	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	867.03	48.50	50.00	23950	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	868.03	48.50	50.00	23949	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	869.03	48.50	50.00	23947	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	870.03	48.50	50.00	23945	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	871.03	48.49	50.00	23943	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	872.03	48.49	50.00	23941	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	873.03	48.49	50.00	23939	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	874.03	48.49	50.00	23937	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	875.03	48.49	50.00	23935	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	876.03	48.49	50.00	23933	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	877.03	48.49	50.00	23931	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	878.03	48.49	50.00	23930	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	879.03	48.49	50.00	23928	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	880.03	48.49	50.00	23926	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	881.03	48.49	50.00	23924	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	882.03	48.49	50.00	23922	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	883.03	48.49	50.00	23920	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	884.03	48.49	50.00	23918	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	885.03	48.49	50.00	23916	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	886.03	48.48	50.00	23915	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	887.03	48.48	50.00	23913	0.00	0.00	1.6	0.9
SCS 100-168	SMF-1	BASE	888.01	48.48	50.00	23911	0.00	0.00	1.6	0.9
SCS 100-240	SMF-1	BASE	0.00	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.02	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.03	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.05	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.07	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.08	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.10	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.12	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.13	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.16	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.18	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.19	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.21	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.22	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.23	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.26	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.27	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.29	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.31	47.00	50.00	19950	0.00	0.00	0.0	0.0
SCS 100-240	SMF-1	BASE	0.33	47.00	50.00	19950	0.00	0.00	0.0	0.0

Moonshine Acres Post Development
SMF-1 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-240	SMF-1	BASE	921.03	48.93	50.00	25183	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	922.03	48.93	50.00	25180	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	923.03	48.92	50.00	25178	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	924.03	48.92	50.00	25176	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	925.03	48.92	50.00	25174	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	926.03	48.92	50.00	25171	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	927.03	48.92	50.00	25169	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	928.03	48.92	50.00	25167	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	929.03	48.92	50.00	25165	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	930.03	48.92	50.00	25163	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	931.03	48.92	50.00	25160	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	932.03	48.92	50.00	25158	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	933.03	48.92	50.00	25156	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	934.03	48.92	50.00	25154	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	935.03	48.92	50.00	25152	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	936.03	48.91	50.00	25149	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	937.03	48.91	50.00	25147	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	938.03	48.91	50.00	25145	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	939.03	48.91	50.00	25143	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	940.03	48.91	50.00	25141	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	941.03	48.91	50.00	25138	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	942.03	48.91	50.00	25136	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	943.03	48.91	50.00	25134	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	944.03	48.91	50.00	25132	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	945.03	48.91	50.00	25130	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	946.03	48.91	50.00	25128	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	947.03	48.91	50.00	25125	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	948.03	48.91	50.00	25123	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	949.03	48.90	50.00	25121	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	950.03	48.90	50.00	25119	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	951.03	48.90	50.00	25117	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	952.03	48.90	50.00	25115	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	953.03	48.90	50.00	25112	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	954.03	48.90	50.00	25110	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	955.03	48.90	50.00	25108	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	956.03	48.90	50.00	25106	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	957.03	48.90	50.00	25104	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	958.03	48.90	50.00	25102	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	959.03	48.90	50.00	25099	0.00	0.01	2.1	1.1
SCS 100-240	SMF-1	BASE	960.01	48.90	50.00	25097	0.00	0.01	2.1	1.1

Moonshine Acres Post Development
SMF-2 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-001	SMF-2	BASE	63.01	47.31	51.00	12837	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	64.01	47.30	51.00	12820	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	65.01	47.29	51.00	12803	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	66.01	47.29	51.00	12787	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	67.01	47.28	51.00	12771	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	68.01	47.27	51.00	12755	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	69.01	47.26	51.00	12739	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	70.01	47.25	51.00	12724	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	71.01	47.24	51.00	12708	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	72.01	47.24	51.00	12693	0.00	0.03	1.1	0.8
SCS 100-001	SMF-2	BASE	73.01	47.23	51.00	12678	0.00	0.03	1.1	0.9
SCS 100-001	SMF-2	BASE	74.01	47.22	51.00	12664	0.00	0.03	1.1	0.9
SCS 100-001	SMF-2	BASE	75.01	47.21	51.00	12649	0.00	0.03	1.1	0.9
SCS 100-001	SMF-2	BASE	76.01	47.21	51.00	12635	0.00	0.03	1.1	0.9
SCS 100-001	SMF-2	BASE	77.01	47.20	51.00	12621	0.00	0.03	1.1	0.9
SCS 100-001	SMF-2	BASE	78.01	47.19	51.00	12607	0.00	0.03	1.1	0.9
SCS 100-001	SMF-2	BASE	79.01	47.18	51.00	12593	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	80.01	47.18	51.00	12580	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	81.01	47.17	51.00	12566	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	82.01	47.16	51.00	12553	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	83.01	47.16	51.00	12540	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	84.01	47.15	51.00	12527	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	85.01	47.14	51.00	12515	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	86.01	47.14	51.00	12502	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	87.01	47.13	51.00	12490	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	88.01	47.12	51.00	12477	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	89.01	47.12	51.00	12465	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	90.01	47.11	51.00	12453	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	91.01	47.10	51.00	12441	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	92.01	47.10	51.00	12429	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	93.01	47.09	51.00	12418	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	94.01	47.09	51.00	12406	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	95.01	47.08	51.00	12395	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	96.01	47.07	51.00	12384	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	97.01	47.07	51.00	12372	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	98.01	47.06	51.00	12361	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	99.01	47.06	51.00	12351	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	100.01	47.05	51.00	12340	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	101.01	47.05	51.00	12329	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	102.01	47.04	51.00	12318	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	103.01	47.04	51.00	12308	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	104.01	47.03	51.00	12298	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	105.01	47.02	51.00	12287	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	106.01	47.02	51.00	12277	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	107.01	47.01	51.00	12267	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	108.01	47.01	51.00	12257	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	109.01	47.00	51.00	12247	0.00	0.02	1.1	0.9
SCS 100-001	SMF-2	BASE	110.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	111.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	112.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	113.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	114.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	115.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	116.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	117.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	118.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	119.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	120.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	121.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	122.01	47.00	51.00	12240	0.00	0.00	1.1	0.9
SCS 100-001	SMF-2	BASE	123.01	47.00	51.00	12240	0.00	0.00	1.1	0.9

Moonshine Acres Post Development
SMF-2 Recovery Times

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-002	SMF-2	BASE	136.02	47.07	51.00	12373	0.00	0.02	1.2	1.1
SCS 100-002	SMF-2	BASE	137.02	47.06	51.00	12364	0.00	0.02	1.2	1.1
SCS 100-002	SMF-2	BASE	138.02	47.06	51.00	12356	0.00	0.02	1.2	1.1
SCS 100-002	SMF-2	BASE	139.02	47.06	51.00	12347	0.00	0.02	1.2	1.1
SCS 100-002	SMF-2	BASE	140.02	47.05	51.00	12339	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	141.02	47.05	51.00	12331	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	142.02	47.04	51.00	12322	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	143.02	47.04	51.00	12314	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	144.02	47.03	51.00	12306	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	145.02	47.03	51.00	12298	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	146.02	47.03	51.00	12290	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	147.02	47.02	51.00	12282	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	148.02	47.02	51.00	12274	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	149.02	47.01	51.00	12266	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	150.02	47.01	51.00	12258	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	151.02	47.01	51.00	12251	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	152.02	47.00	51.00	12243	0.00	0.01	1.2	1.1
SCS 100-002	SMF-2	BASE	153.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	154.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	155.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	156.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	157.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	158.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	159.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	160.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	161.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	162.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	163.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	164.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	165.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	166.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	167.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	168.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	169.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	170.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	171.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	172.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	173.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	174.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	175.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	176.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	177.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	178.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	179.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	180.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	181.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	182.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	183.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	184.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	185.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	186.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	187.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	188.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	189.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	190.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	191.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	192.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	193.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	194.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	195.02	47.00	51.00	12240	0.00	0.00	1.2	1.1
SCS 100-002	SMF-2	BASE	196.02	47.00	51.00	12240	0.00	0.00	1.2	1.1

Moonshine Acres Post Development
SMF-2 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-004	SMF-2	BASE	151.03	47.20	51.00	12633	0.00	0.02	1.4	1.3
SCS 100-004	SMF-2	BASE	152.03	47.20	51.00	12625	0.00	0.02	1.4	1.3
SCS 100-004	SMF-2	BASE	153.03	47.20	51.00	12616	0.00	0.02	1.4	1.3
SCS 100-004	SMF-2	BASE	154.03	47.19	51.00	12608	0.00	0.02	1.4	1.3
SCS 100-004	SMF-2	BASE	155.03	47.19	51.00	12599	0.00	0.02	1.4	1.3
SCS 100-004	SMF-2	BASE	156.03	47.18	51.00	12591	0.00	0.02	1.4	1.3
SCS 100-004	SMF-2	BASE	157.03	47.18	51.00	12583	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	158.03	47.17	51.00	12574	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	159.03	47.17	51.00	12566	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	160.03	47.17	51.00	12558	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	161.03	47.16	51.00	12550	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	162.03	47.16	51.00	12542	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	163.03	47.15	51.00	12534	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	164.03	47.15	51.00	12526	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	165.03	47.15	51.00	12519	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	166.03	47.14	51.00	12511	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	167.03	47.14	51.00	12503	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	168.03	47.13	51.00	12495	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	169.03	47.13	51.00	12488	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	170.03	47.13	51.00	12480	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	171.03	47.12	51.00	12473	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	172.03	47.12	51.00	12465	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	173.03	47.11	51.00	12458	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	174.03	47.11	51.00	12451	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	175.03	47.11	51.00	12443	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	176.03	47.10	51.00	12436	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	177.03	47.10	51.00	12429	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	178.03	47.09	51.00	12422	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	179.03	47.09	51.00	12414	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	180.03	47.09	51.00	12407	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	181.03	47.08	51.00	12400	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	182.03	47.08	51.00	12393	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	183.03	47.08	51.00	12386	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	184.03	47.07	51.00	12379	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	185.03	47.07	51.00	12372	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	186.03	47.07	51.00	12366	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	187.03	47.06	51.00	12359	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	188.03	47.06	51.00	12352	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	189.03	47.05	51.00	12345	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	190.03	47.05	51.00	12339	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	191.03	47.05	51.00	12332	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	192.03	47.04	51.00	12325	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	193.03	47.04	51.00	12319	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	194.03	47.04	51.00	12312	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	195.03	47.03	51.00	12306	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	196.03	47.03	51.00	12299	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	197.03	47.03	51.00	12293	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	198.03	47.02	51.00	12286	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	199.03	47.02	51.00	12280	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	200.03	47.02	51.00	12274	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	201.03	47.01	51.00	12268	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	202.03	47.01	51.00	12261	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	203.03	47.01	51.00	12255	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	204.03	47.00	51.00	12249	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	205.03	47.00	51.00	12243	0.00	0.01	1.4	1.3
SCS 100-004	SMF-2	BASE	206.03	47.00	51.00	12240	0.00	0.00	1.4	1.3
SCS 100-004	SMF-2	BASE	207.03	47.00	51.00	12240	0.00	0.00	1.4	1.3
SCS 100-004	SMF-2	BASE	208.03	47.00	51.00	12240	0.00	0.00	1.4	1.3
SCS 100-004	SMF-2	BASE	209.03	47.00	51.00	12240	0.00	0.00	1.4	1.3
SCS 100-004	SMF-2	BASE	210.03	47.00	51.00	12240	0.00	0.00	1.4	1.3
SCS 100-004	SMF-2	BASE	211.03	47.00	51.00	12240	0.00	0.00	1.4	1.3

Moonshine Acres Post Development
SMF-2 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-008	SMF-2	BASE	233.03	47.13	51.00	12492	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	234.03	47.13	51.00	12486	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	235.03	47.13	51.00	12481	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	236.03	47.12	51.00	12475	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	237.03	47.12	51.00	12469	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	238.03	47.12	51.00	12463	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	239.03	47.11	51.00	12457	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	240.03	47.11	51.00	12451	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	241.03	47.11	51.00	12446	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	242.03	47.10	51.00	12440	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	243.03	47.10	51.00	12434	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	244.03	47.10	51.00	12429	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	245.03	47.10	51.00	12423	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	246.03	47.09	51.00	12418	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	247.03	47.09	51.00	12412	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	248.03	47.09	51.00	12406	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	249.03	47.08	51.00	12401	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	250.03	47.08	51.00	12395	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	251.03	47.08	51.00	12390	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	252.03	47.08	51.00	12385	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	253.03	47.07	51.00	12379	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	254.03	47.07	51.00	12374	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	255.03	47.07	51.00	12368	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	256.03	47.06	51.00	12363	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	257.03	47.06	51.00	12358	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	258.03	47.06	51.00	12353	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	259.03	47.06	51.00	12347	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	260.03	47.05	51.00	12342	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	261.03	47.05	51.00	12337	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	262.03	47.05	51.00	12332	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	263.03	47.04	51.00	12327	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	264.03	47.04	51.00	12321	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	265.03	47.04	51.00	12316	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	266.03	47.04	51.00	12311	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	267.03	47.03	51.00	12306	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	268.03	47.03	51.00	12301	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	269.03	47.03	51.00	12296	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	270.03	47.03	51.00	12291	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	271.03	47.02	51.00	12286	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	272.03	47.02	51.00	12281	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	273.03	47.02	51.00	12276	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	274.03	47.02	51.00	12271	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	275.03	47.01	51.00	12267	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	276.03	47.01	51.00	12262	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	277.03	47.01	51.00	12257	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	278.03	47.01	51.00	12252	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	279.03	47.00	51.00	12247	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	280.03	47.00	51.00	12243	0.00	0.01	1.6	1.6
SCS 100-008	SMF-2	BASE	281.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	282.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	283.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	284.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	285.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	286.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	287.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	288.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	289.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	290.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	291.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	292.03	47.00	51.00	12240	0.00	0.00	1.6	1.6
SCS 100-008	SMF-2	BASE	293.03	47.00	51.00	12240	0.00	0.00	1.6	1.6

Moonshine Acres Post Development
SMF-2 Recovery Times

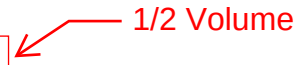
Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-024	SMF-2	BASE	526.03	47.03	51.00	12290	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	527.03	47.02	51.00	12287	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	528.03	47.02	51.00	12285	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	529.03	47.02	51.00	12282	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	530.03	47.02	51.00	12279	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	531.03	47.02	51.00	12277	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	532.03	47.02	51.00	12274	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	533.03	47.02	51.00	12271	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	534.03	47.01	51.00	12269	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	535.03	47.01	51.00	12266	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	536.03	47.01	51.00	12264	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	537.03	47.01	51.00	12261	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	538.03	47.01	51.00	12258	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	539.03	47.01	51.00	12256	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	540.03	47.01	51.00	12253	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	541.03	47.01	51.00	12251	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	542.03	47.00	51.00	12248	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	543.03	47.00	51.00	12245	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	544.03	47.00	51.00	12243	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	545.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	546.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	547.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	548.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	549.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	550.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	551.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	552.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	553.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	554.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	555.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	556.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	557.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	558.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	559.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	560.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	561.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	562.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	563.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	564.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	565.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	566.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	567.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	568.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	569.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	570.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	571.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	572.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	573.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	574.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	575.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	576.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	577.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	578.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	579.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	580.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	581.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	582.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	583.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	584.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	585.03	47.00	51.00	12240	0.00	0.00	2.2	2.2
SCS 100-024	SMF-2	BASE	586.03	47.00	51.00	12240	0.00	0.00	2.2	2.2

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-072	SMF-2	BASE	742.03	47.80	51.00	13780	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	743.03	47.80	51.00	13777	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	744.03	47.80	51.00	13774	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	745.03	47.80	51.00	13771	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	746.03	47.80	51.00	13768	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	747.03	47.80	51.00	13765	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	748.03	47.79	51.00	13762	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	749.03	47.79	51.00	13759	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	750.03	47.79	51.00	13757	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	751.03	47.79	51.00	13754	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	752.03	47.79	51.00	13751	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	753.03	47.79	51.00	13748	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	754.03	47.79	51.00	13745	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	755.03	47.78	51.00	13742	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	756.03	47.78	51.00	13739	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	757.03	47.78	51.00	13737	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	758.03	47.78	51.00	13734	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	759.03	47.78	51.00	13731	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	760.03	47.78	51.00	13728	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	761.03	47.77	51.00	13725	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	762.03	47.77	51.00	13723	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	763.03	47.77	51.00	13720	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	764.03	47.77	51.00	13717	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	765.03	47.77	51.00	13714	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	766.03	47.77	51.00	13711	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	767.03	47.77	51.00	13709	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	768.03	47.76	51.00	13706	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	769.03	47.76	51.00	13703	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	770.03	47.76	51.00	13700	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	771.03	47.76	51.00	13698	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	772.03	47.76	51.00	13695	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	773.03	47.76	51.00	13692	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	774.03	47.76	51.00	13689	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	775.03	47.75	51.00	13687	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	776.03	47.75	51.00	13684	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	777.03	47.75	51.00	13681	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	778.03	47.75	51.00	13679	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	779.03	47.75	51.00	13676	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	780.03	47.75	51.00	13673	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	781.03	47.75	51.00	13670	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	782.03	47.74	51.00	13668	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	783.03	47.74	51.00	13665	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	784.03	47.74	51.00	13662	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	785.03	47.74	51.00	13660	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	786.03	47.74	51.00	13657	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	787.03	47.74	51.00	13654	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	788.03	47.74	51.00	13652	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	789.03	47.74	51.00	13649	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	790.03	47.73	51.00	13646	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	791.03	47.73	51.00	13644	0.00	0.01	2.9	2.7
SCS 100-072	SMF-2	BASE	792.01	47.73	51.00	13641	0.00	0.01	2.9	2.7
SCS 100-168	SMF-2	BASE	0.00	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.02	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.03	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.05	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.07	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.08	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.10	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.12	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-168	SMF-2	BASE	0.13	47.00	51.00	12240	0.00	0.00	0.0	0.0

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-168	SMF-2	BASE	849.03	48.45	51.00	20757	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	850.03	48.45	51.00	20733	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	851.03	48.45	51.00	20709	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	852.03	48.45	51.00	20686	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	853.03	48.44	51.00	20662	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	854.03	48.44	51.00	20639	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	855.03	48.44	51.00	20615	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	856.03	48.44	51.00	20592	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	857.03	48.44	51.00	20568	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	858.03	48.44	51.00	20545	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	859.03	48.43	51.00	20521	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	860.03	48.43	51.00	20498	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	861.03	48.43	51.00	20474	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	862.03	48.43	51.00	20451	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	863.03	48.43	51.00	20428	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	864.03	48.43	51.00	20405	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	865.03	48.43	51.00	20381	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	866.03	48.42	51.00	20358	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	867.03	48.42	51.00	20335	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	868.03	48.42	51.00	20312	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	869.03	48.42	51.00	20289	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	870.03	48.42	51.00	20265	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	871.03	48.42	51.00	20242	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	872.03	48.41	51.00	20219	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	873.03	48.41	51.00	20196	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	874.03	48.41	51.00	20173	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	875.03	48.41	51.00	20150	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	876.03	48.41	51.00	20127	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	877.03	48.41	51.00	20104	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	878.03	48.40	51.00	20081	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	879.03	48.40	51.00	20059	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	880.03	48.40	51.00	20036	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	881.03	48.40	51.00	20013	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	882.03	48.40	51.00	19990	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	883.03	48.40	51.00	19967	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	884.03	48.40	51.00	19945	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	885.03	48.39	51.00	19922	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	886.03	48.39	51.00	19899	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	887.03	48.39	51.00	19876	0.00	0.01	3.8	3.3
SCS 100-168	SMF-2	BASE	888.01	48.39	51.00	19855	0.00	0.01	3.8	3.3
SCS 100-240	SMF-2	BASE	0.00	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.02	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.03	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.05	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.07	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.08	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.10	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.12	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.13	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.16	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.18	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.19	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.21	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.22	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.23	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.26	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.27	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.29	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.31	47.00	51.00	12240	0.00	0.00	0.0	0.0
SCS 100-240	SMF-2	BASE	0.33	47.00	51.00	12240	0.00	0.00	0.0	0.0

Moonshine Acres Post Development
SMF-2 Recovery Times

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-240	SMF-2	BASE	250.03	50.84	51.00	72547	0.00	0.10	5.0	2.1
SCS 100-240	SMF-2	BASE	251.03	50.83	51.00	72397	0.00	0.10	5.0	2.1
SCS 100-240	SMF-2	BASE	252.03	50.83	51.00	72249	0.00	0.10	5.0	2.2
SCS 100-240	SMF-2	BASE	253.03	50.82	51.00	72102	0.00	0.10	5.0	2.2
SCS 100-240	SMF-2	BASE	254.03	50.82	51.00	71956	0.00	0.10	5.0	2.2
SCS 100-240	SMF-2	BASE	255.03	50.81	51.00	71811	0.00	0.10	5.0	2.2
SCS 100-240	SMF-2	BASE	256.03	50.81	51.00	71667	0.00	0.10	5.0	2.2
SCS 100-240	SMF-2	BASE	257.03	50.81	51.00	71524	0.00	0.10	5.0	2.2
SCS 100-240	SMF-2	BASE	258.03	50.80	51.00	71382	0.00	0.10	5.0	2.2
SCS 100-240	SMF-2	BASE	259.03	50.80	51.00	71241	0.00	0.09	5.0	2.2
SCS 100-240	SMF-2	BASE	260.03	50.79	51.00	71101	0.00	0.09	5.0	2.2
SCS 100-240	SMF-2	BASE	261.03	50.79	51.00	70961	0.00	0.09	5.0	2.2
SCS 100-240	SMF-2	BASE	262.03	50.78	51.00	70822	0.00	0.09	5.0	2.2
SCS 100-240	SMF-2	BASE	263.03	50.78	51.00	70684	0.00	0.09	5.0	2.2
SCS 100-240	SMF-2	BASE	264.03	50.77	51.00	70547	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	265.03	50.77	51.00	70411	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	266.03	50.76	51.00	70275	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	267.03	50.76	51.00	70140	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	268.03	50.75	51.00	70006	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	269.03	50.75	51.00	69872	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	270.03	50.74	51.00	69739	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	271.03	50.74	51.00	69607	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	272.03	50.74	51.00	69475	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	273.03	50.73	51.00	69344	0.00	0.09	5.0	2.3
SCS 100-240	SMF-2	BASE	274.03	50.73	51.00	69214	0.00	0.08	5.0	2.3
SCS 100-240	SMF-2	BASE	275.03	50.72	51.00	69084	0.00	0.08	5.0	2.3
SCS 100-240	SMF-2	BASE	276.03	50.72	51.00	68955	0.00	0.08	5.0	2.3
SCS 100-240	SMF-2	BASE	277.03	50.71	51.00	68826	0.00	0.08	5.0	2.3
SCS 100-240	SMF-2	BASE	278.03	50.71	51.00	68698	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	279.03	50.71	51.00	68570	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	280.03	50.70	51.00	68443	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	281.03	50.70	51.00	68317	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	282.03	50.69	51.00	68191	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	283.03	50.69	51.00	68065	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	284.03	50.68	51.00	67940	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	285.03	50.68	51.00	67816	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	286.03	50.68	51.00	67692	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	287.03	50.67	51.00	67568	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	288.03	50.67	51.00	67445	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	289.03	50.66	51.00	67323	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	290.03	50.66	51.00	67201	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	291.03	50.65	51.00	67079	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	292.03	50.65	51.00	66958	0.00	0.08	5.0	2.4
SCS 100-240	SMF-2	BASE	293.03	50.65	51.00	66837	0.00	0.08	5.0	2.5
SCS 100-240	SMF-2	BASE	294.03	50.64	51.00	66717	0.00	0.08	5.0	2.5
SCS 100-240	SMF-2	BASE	295.03	50.64	51.00	66597	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	296.03	50.63	51.00	66478	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	297.03	50.63	51.00	66359	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	298.03	50.63	51.00	66240	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	299.03	50.62	51.00	66122	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	300.03	50.62	51.00	66004	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	301.03	50.61	51.00	65887	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	302.03	50.61	51.00	65770	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	303.03	50.61	51.00	65653	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	304.03	50.60	51.00	65537	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	305.03	50.60	51.00	65421	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	306.03	50.59	51.00	65306	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	307.03	50.59	51.00	65191	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	308.03	50.59	51.00	65076	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	309.03	50.58	51.00	64962	0.00	0.07	5.0	2.5
SCS 100-240	SMF-2	BASE	310.03	50.58	51.00	64848	0.00	0.07	5.0	2.6



Moonshine Acres Post Development
SMF-2 Recovery Times

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-240	SMF-2	BASE	921.03	49.13	51.00	31261	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	922.03	49.13	51.00	31232	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	923.03	49.13	51.00	31202	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	924.03	49.13	51.00	31172	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	925.03	49.12	51.00	31142	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	926.03	49.12	51.00	31112	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	927.03	49.12	51.00	31083	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	928.03	49.12	51.00	31053	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	929.03	49.12	51.00	31023	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	930.03	49.12	51.00	30994	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	931.03	49.11	51.00	30964	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	932.03	49.11	51.00	30935	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	933.03	49.11	51.00	30905	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	934.03	49.11	51.00	30876	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	935.03	49.11	51.00	30846	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	936.03	49.11	51.00	30817	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	937.03	49.11	51.00	30787	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	938.03	49.10	51.00	30758	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	939.03	49.10	51.00	30728	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	940.03	49.10	51.00	30699	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	941.03	49.10	51.00	30670	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	942.03	49.10	51.00	30640	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	943.03	49.10	51.00	30611	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	944.03	49.09	51.00	30582	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	945.03	49.09	51.00	30553	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	946.03	49.09	51.00	30523	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	947.03	49.09	51.00	30494	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	948.03	49.09	51.00	30465	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	949.03	49.09	51.00	30436	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	950.03	49.09	51.00	30407	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	951.03	49.08	51.00	30378	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	952.03	49.08	51.00	30349	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	953.03	49.08	51.00	30320	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	954.03	49.08	51.00	30291	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	955.03	49.08	51.00	30262	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	956.03	49.08	51.00	30233	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	957.03	49.07	51.00	30204	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	958.03	49.07	51.00	30175	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	959.03	49.07	51.00	30146	0.00	0.01	5.0	4.1
SCS 100-240	SMF-2	BASE	960.01	49.07	51.00	30118	0.00	0.01	5.0	4.1

Moonshine Acres Post Development
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-001	SMF-3	BASE	2.00	48.46	49.00	4664	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	3.01	48.44	49.00	4637	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	4.01	48.42	49.00	4611	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	5.01	48.39	49.00	4585	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	6.01	48.37	49.00	4559	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	7.01	48.35	49.00	4533	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	8.01	48.33	49.00	4507	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	9.01	48.30	49.00	4481	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	10.01	48.28	49.00	4456	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	11.01	48.26	49.00	4430	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	12.01	48.23	49.00	4404	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	13.01	48.21	49.00	4378	0.00	0.03	0.1	0.0
SCS 100-001	SMF-3	BASE	14.01	48.19	49.00	4355	0.00	0.02	0.1	0.0
SCS 100-001	SMF-3	BASE	15.01	48.18	49.00	4336	0.00	0.02	0.1	0.0
SCS 100-001	SMF-3	BASE	16.01	48.16	49.00	4320	0.00	0.02	0.1	0.0
SCS 100-001	SMF-3	BASE	17.01	48.15	49.00	4306	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	18.01	48.14	49.00	4293	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	19.01	48.13	49.00	4281	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	20.01	48.12	49.00	4271	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	21.01	48.11	49.00	4261	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	22.01	48.10	49.00	4253	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	23.01	48.09	49.00	4245	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	24.01	48.09	49.00	4237	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	25.01	48.08	49.00	4230	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	26.01	48.08	49.00	4223	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	27.01	48.07	49.00	4217	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	28.01	48.06	49.00	4211	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	29.01	48.06	49.00	4205	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	30.01	48.05	49.00	4199	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	31.01	48.05	49.00	4194	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	32.01	48.04	49.00	4189	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	33.01	48.04	49.00	4184	0.00	0.01	0.1	0.0
SCS 100-001	SMF-3	BASE	34.01	48.04	49.00	4179	0.00	0.00	0.1	0.0
SCS 100-001	SMF-3	BASE	35.01	48.03	49.00	4174	0.00	0.00	0.1	0.0
SCS 100-001	SMF-3	BASE	36.01	48.03	49.00	4170	0.00	0.00	0.1	0.0
SCS 100-001	SMF-3	BASE	37.01	48.02	49.00	4165	0.00	0.00	0.1	0.0
SCS 100-001	SMF-3	BASE	38.01	48.02	49.00	4161	0.00	0.00	0.1	0.0
SCS 100-001	SMF-3	BASE	39.01	48.02	49.00	4157	0.00	0.00	0.1	0.0
SCS 100-001	SMF-3	BASE	40.01	48.01	49.00	4152	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	41.01	48.01	49.00	4148	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	42.01	48.01	49.00	4144	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	43.01	48.00	49.00	4140	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	44.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	45.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	46.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	47.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	48.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	49.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	50.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	51.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	52.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	53.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	54.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	55.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	56.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	57.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	58.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	59.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	60.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	61.01	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-001	SMF-3	BASE	62.01	48.00	49.00	4138	0.00	0.00	0.1	0.1

Moonshine Acres Post Development
SMF-3 Recovery

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-002	SMF-3	BASE	14.02	48.29	49.00	4470	0.00	0.02	0.1	0.0
SCS 100-002	SMF-3	BASE	15.02	48.27	49.00	4449	0.00	0.02	0.1	0.0
SCS 100-002	SMF-3	BASE	16.02	48.26	49.00	4432	0.00	0.02	0.1	0.0
SCS 100-002	SMF-3	BASE	17.02	48.25	49.00	4416	0.00	0.02	0.1	0.0
SCS 100-002	SMF-3	BASE	18.02	48.23	49.00	4403	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	19.02	48.22	49.00	4390	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	20.02	48.21	49.00	4379	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	21.02	48.20	49.00	4369	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	22.02	48.20	49.00	4360	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	23.02	48.19	49.00	4351	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	24.02	48.18	49.00	4343	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	25.02	48.17	49.00	4336	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	26.02	48.17	49.00	4328	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	27.02	48.16	49.00	4322	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	28.02	48.16	49.00	4315	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	29.02	48.15	49.00	4309	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	30.02	48.15	49.00	4303	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	31.02	48.14	49.00	4297	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	32.02	48.14	49.00	4292	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	33.02	48.13	49.00	4286	0.00	0.01	0.1	0.0
SCS 100-002	SMF-3	BASE	34.02	48.13	49.00	4281	0.00	0.01	0.1	0.1
SCS 100-002	SMF-3	BASE	35.02	48.12	49.00	4276	0.00	0.01	0.1	0.1
SCS 100-002	SMF-3	BASE	36.02	48.12	49.00	4271	0.00	0.01	0.1	0.1
SCS 100-002	SMF-3	BASE	37.02	48.11	49.00	4266	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	38.02	48.11	49.00	4262	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	39.02	48.11	49.00	4257	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	40.02	48.10	49.00	4253	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	41.02	48.10	49.00	4248	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	42.02	48.09	49.00	4244	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	43.02	48.09	49.00	4240	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	44.02	48.09	49.00	4236	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	45.02	48.08	49.00	4232	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	46.02	48.08	49.00	4228	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	47.02	48.08	49.00	4224	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	48.02	48.07	49.00	4220	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	49.02	48.07	49.00	4217	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	50.02	48.07	49.00	4213	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	51.02	48.06	49.00	4209	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	52.02	48.06	49.00	4206	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	53.02	48.06	49.00	4202	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	54.02	48.05	49.00	4199	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	55.02	48.05	49.00	4196	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	56.02	48.05	49.00	4192	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	57.02	48.04	49.00	4189	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	58.02	48.04	49.00	4186	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	59.02	48.04	49.00	4183	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	60.02	48.04	49.00	4180	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	61.02	48.03	49.00	4176	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	62.02	48.03	49.00	4173	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	63.02	48.03	49.00	4170	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	64.02	48.03	49.00	4167	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	65.02	48.02	49.00	4164	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	66.02	48.02	49.00	4162	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	67.02	48.02	49.00	4159	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	68.02	48.02	49.00	4156	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	69.02	48.01	49.00	4153	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	70.02	48.01	49.00	4150	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	71.02	48.01	49.00	4147	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	72.02	48.01	49.00	4145	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	73.02	48.00	49.00	4142	0.00	0.00	0.1	0.1
SCS 100-002	SMF-3	BASE	74.02	48.00	49.00	4139	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
SCS 100-004	SMF-3	BASE	90.03	48.05	49.00	4197	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	91.03	48.05	49.00	4195	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	92.03	48.05	49.00	4192	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	93.03	48.05	49.00	4190	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	94.03	48.04	49.00	4188	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	95.03	48.04	49.00	4185	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	96.03	48.04	49.00	4183	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	97.03	48.04	49.00	4181	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	98.03	48.04	49.00	4178	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	99.03	48.03	49.00	4176	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	100.03	48.03	49.00	4174	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	101.03	48.03	49.00	4171	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	102.03	48.03	49.00	4169	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	103.03	48.03	49.00	4167	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	104.03	48.02	49.00	4165	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	105.03	48.02	49.00	4163	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	106.03	48.02	49.00	4160	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	107.03	48.02	49.00	4158	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	108.03	48.02	49.00	4156	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	109.03	48.01	49.00	4154	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	110.03	48.01	49.00	4152	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	111.03	48.01	49.00	4150	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	112.03	48.01	49.00	4148	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	113.03	48.01	49.00	4146	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	114.03	48.00	49.00	4144	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	115.03	48.00	49.00	4141	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	116.03	48.00	49.00	4139	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	117.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	118.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	119.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	120.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	121.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	122.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	123.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	124.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	125.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	126.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	127.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	128.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	129.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	130.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	131.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	132.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	133.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	134.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	135.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	136.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	137.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	138.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	139.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	140.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	141.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	142.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	143.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	144.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	145.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	146.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	147.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	148.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	149.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-004	SMF-3	BASE	150.03	48.00	49.00	4138	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-008	SMF-3	BASE	172.03	48.01	49.00	4153	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	173.03	48.01	49.00	4152	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	174.03	48.01	49.00	4150	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	175.03	48.01	49.00	4149	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	176.03	48.01	49.00	4147	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	177.03	48.01	49.00	4145	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	178.03	48.00	49.00	4144	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	179.03	48.00	49.00	4142	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	180.03	48.00	49.00	4141	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	181.03	48.00	49.00	4139	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	182.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	183.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	184.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	185.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	186.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	187.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	188.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	189.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	190.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	191.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	192.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	193.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	194.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	195.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	196.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	197.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	198.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	199.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	200.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	201.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	202.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	203.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	204.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	205.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	206.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	207.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	208.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	209.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	210.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	211.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	212.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	213.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	214.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	215.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	216.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	217.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	218.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	219.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	220.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	221.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	222.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	223.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	224.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	225.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	226.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	227.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	228.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	229.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	230.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	231.03	48.00	49.00	4138	0.00	0.00	0.1	0.1
SCS 100-008	SMF-3	BASE	232.03	48.00	49.00	4138	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-024	SMF-3	BASE	282.03	48.07	49.00	4212	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	283.03	48.06	49.00	4211	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	284.03	48.06	49.00	4209	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	285.03	48.06	49.00	4208	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	286.03	48.06	49.00	4207	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	287.03	48.06	49.00	4206	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	288.03	48.06	49.00	4204	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	289.03	48.06	49.00	4203	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	290.03	48.06	49.00	4202	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	291.03	48.05	49.00	4200	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	292.03	48.05	49.00	4199	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	293.03	48.05	49.00	4198	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	294.03	48.05	49.00	4197	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	295.03	48.05	49.00	4195	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	296.03	48.05	49.00	4194	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	297.03	48.05	49.00	4193	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	298.03	48.05	49.00	4192	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	299.03	48.05	49.00	4190	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	300.03	48.05	49.00	4189	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	301.03	48.04	49.00	4188	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	302.03	48.04	49.00	4187	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	303.03	48.04	49.00	4186	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	304.03	48.04	49.00	4184	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	305.03	48.04	49.00	4183	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	306.03	48.04	49.00	4182	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	307.03	48.04	49.00	4181	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	308.03	48.04	49.00	4179	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	309.03	48.04	49.00	4178	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	310.03	48.03	49.00	4177	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	311.03	48.03	49.00	4176	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	312.03	48.03	49.00	4175	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	313.03	48.03	49.00	4173	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	314.03	48.03	49.00	4172	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	315.03	48.03	49.00	4171	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	316.03	48.03	49.00	4170	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	317.03	48.03	49.00	4169	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	318.03	48.03	49.00	4168	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	319.03	48.02	49.00	4166	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	320.03	48.02	49.00	4165	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	321.03	48.02	49.00	4164	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	322.03	48.02	49.00	4163	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	323.03	48.02	49.00	4162	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	324.03	48.02	49.00	4161	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	325.03	48.02	49.00	4159	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	326.03	48.02	49.00	4158	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	327.03	48.02	49.00	4157	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	328.03	48.02	49.00	4156	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	329.03	48.01	49.00	4155	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	330.03	48.01	49.00	4154	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	331.03	48.01	49.00	4153	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	332.03	48.01	49.00	4151	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	333.03	48.01	49.00	4150	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	334.03	48.01	49.00	4149	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	335.03	48.01	49.00	4148	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	336.03	48.01	49.00	4147	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	337.03	48.01	49.00	4146	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	338.03	48.01	49.00	4145	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	339.03	48.00	49.00	4144	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	340.03	48.00	49.00	4142	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	341.03	48.00	49.00	4141	0.00	0.00	0.1	0.1
SCS 100-024	SMF-3	BASE	342.03	48.00	49.00	4140	0.00	0.00	0.1	0.1

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-072	SMF-3	BASE	559.03	48.02	49.00	4162	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	560.03	48.02	49.00	4161	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	561.03	48.02	49.00	4160	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	562.03	48.02	49.00	4159	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	563.03	48.02	49.00	4158	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	564.03	48.02	49.00	4157	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	565.03	48.02	49.00	4157	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	566.03	48.02	49.00	4156	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	567.03	48.01	49.00	4155	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	568.03	48.01	49.00	4154	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	569.03	48.01	49.00	4153	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	570.03	48.01	49.00	4152	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	571.03	48.01	49.00	4152	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	572.03	48.01	49.00	4151	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	573.03	48.01	49.00	4150	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	574.03	48.01	49.00	4149	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	575.03	48.01	49.00	4148	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	576.03	48.01	49.00	4147	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	577.03	48.01	49.00	4147	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	578.03	48.01	49.00	4146	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	579.03	48.01	49.00	4145	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	580.03	48.01	49.00	4144	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	581.03	48.00	49.00	4143	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	582.03	48.00	49.00	4143	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	583.03	48.00	49.00	4142	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	584.03	48.00	49.00	4141	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	585.03	48.00	49.00	4140	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	586.03	48.00	49.00	4139	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	587.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	588.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	589.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	590.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	591.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	592.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	593.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	594.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	595.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	596.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	597.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	598.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	599.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	600.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	601.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	602.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	603.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	604.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	605.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	606.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	607.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	608.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	609.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	610.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	611.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	612.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	613.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	614.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	615.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	616.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	617.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	618.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-072	SMF-3	BASE	619.03	48.00	49.00	4138	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-168	SMF-3	BASE	727.03	48.03	49.00	4169	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	728.03	48.03	49.00	4169	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	729.03	48.03	49.00	4168	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	730.03	48.03	49.00	4167	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	731.03	48.02	49.00	4166	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	732.03	48.02	49.00	4166	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	733.03	48.02	49.00	4165	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	734.03	48.02	49.00	4164	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	735.03	48.02	49.00	4163	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	736.03	48.02	49.00	4163	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	737.03	48.02	49.00	4162	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	738.03	48.02	49.00	4161	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	739.03	48.02	49.00	4160	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	740.03	48.02	49.00	4160	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	741.03	48.02	49.00	4159	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	742.03	48.02	49.00	4158	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	743.03	48.02	49.00	4157	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	744.03	48.02	49.00	4157	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	745.03	48.02	49.00	4156	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	746.03	48.02	49.00	4155	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	747.03	48.01	49.00	4154	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	748.03	48.01	49.00	4154	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	749.03	48.01	49.00	4153	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	750.03	48.01	49.00	4152	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	751.03	48.01	49.00	4152	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	752.03	48.01	49.00	4151	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	753.03	48.01	49.00	4150	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	754.03	48.01	49.00	4149	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	755.03	48.01	49.00	4149	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	756.03	48.01	49.00	4148	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	757.03	48.01	49.00	4147	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	758.03	48.01	49.00	4147	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	759.03	48.01	49.00	4146	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	760.03	48.01	49.00	4145	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	761.03	48.01	49.00	4144	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	762.03	48.00	49.00	4144	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	763.03	48.00	49.00	4143	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	764.03	48.00	49.00	4142	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	765.03	48.00	49.00	4142	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	766.03	48.00	49.00	4141	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	767.03	48.00	49.00	4140	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	768.03	48.00	49.00	4139	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	769.03	48.00	49.00	4139	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	770.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	771.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	772.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	773.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	774.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	775.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	776.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	777.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	778.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	779.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	780.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	781.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	782.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	783.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	784.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	785.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	786.03	48.00	49.00	4138	0.00	0.00	0.2	0.2
SCS 100-168	SMF-3	BASE	787.03	48.00	49.00	4138	0.00	0.00	0.2	0.2

Simulation	Node	Group	Time hrs	Stage ft	Warning Stage ft	Surface Area ft2	Total Inflow cfs	Total Outflow cfs	Total Vol In af	Total Vol Out af
SCS 100-240	SMF-3	BASE	921.03	48.03	49.00	4172	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	922.03	48.03	49.00	4171	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	923.03	48.03	49.00	4170	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	924.03	48.03	49.00	4170	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	925.03	48.03	49.00	4169	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	926.03	48.03	49.00	4168	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	927.03	48.03	49.00	4168	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	928.03	48.03	49.00	4167	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	929.03	48.03	49.00	4167	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	930.03	48.02	49.00	4166	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	931.03	48.02	49.00	4165	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	932.03	48.02	49.00	4165	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	933.03	48.02	49.00	4164	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	934.03	48.02	49.00	4163	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	935.03	48.02	49.00	4163	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	936.03	48.02	49.00	4162	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	937.03	48.02	49.00	4161	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	938.03	48.02	49.00	4161	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	939.03	48.02	49.00	4160	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	940.03	48.02	49.00	4160	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	941.03	48.02	49.00	4159	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	942.03	48.02	49.00	4158	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	943.03	48.02	49.00	4158	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	944.03	48.02	49.00	4157	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	945.03	48.02	49.00	4156	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	946.03	48.02	49.00	4156	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	947.03	48.02	49.00	4155	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	948.03	48.01	49.00	4155	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	949.03	48.01	49.00	4154	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	950.03	48.01	49.00	4153	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	951.03	48.01	49.00	4153	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	952.03	48.01	49.00	4152	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	953.03	48.01	49.00	4152	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	954.03	48.01	49.00	4151	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	955.03	48.01	49.00	4150	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	956.03	48.01	49.00	4150	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	957.03	48.01	49.00	4149	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	958.03	48.01	49.00	4148	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	959.03	48.01	49.00	4148	0.00	0.00	0.2	0.2
SCS 100-240	SMF-3	BASE	960.01	48.01	49.00	4147	0.00	0.00	0.2	0.2

Moonshine Acres Post Development
SMF-1 WQTV Recovery

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	SMF-1 WQTV	BASE	61.02	47.64	51.00	21598	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	61.27	47.64	51.00	21597	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	61.52	47.64	51.00	21596	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	61.77	47.64	51.00	21595	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	62.02	47.64	51.00	21594	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	62.27	47.64	51.00	21593	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	62.52	47.64	51.00	21592	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	62.77	47.64	51.00	21591	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	63.02	47.64	51.00	21590	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	63.27	47.64	51.00	21589	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	63.52	47.64	51.00	21588	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	63.77	47.64	51.00	21587	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	64.02	47.64	51.00	21586	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	64.27	47.64	51.00	21585	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	64.52	47.64	51.00	21584	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	64.77	47.64	51.00	21583	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	65.02	47.63	51.00	21582	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	65.27	47.63	51.00	21581	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	65.52	47.63	51.00	21581	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	65.77	47.63	51.00	21580	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	66.02	47.63	51.00	21579	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	66.27	47.63	51.00	21578	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	66.52	47.63	51.00	21577	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	66.77	47.63	51.00	21576	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	67.02	47.63	51.00	21575	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	67.27	47.63	51.00	21574	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	67.52	47.63	51.00	21573	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	67.77	47.63	51.00	21572	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	68.02	47.63	51.00	21571	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	68.27	47.63	51.00	21570	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	68.52	47.63	51.00	21569	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	68.77	47.63	51.00	21568	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	69.02	47.63	51.00	21567	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	69.27	47.63	51.00	21567	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	69.52	47.63	51.00	21566	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	69.77	47.63	51.00	21565	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	70.02	47.63	51.00	21564	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	70.27	47.63	51.00	21563	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	70.52	47.63	51.00	21562	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	70.77	47.63	51.00	21561	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	71.02	47.63	51.00	21560	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	71.27	47.63	51.00	21559	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	71.52	47.63	51.00	21558	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	71.77	47.63	51.00	21557	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	72.02	47.62	51.00	21557	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	72.27	47.62	51.00	21556	0.00	0.01	0.0	0.2
WQTV	SMF-1 WQTV	BASE	72.52	47.62	51.00	21555	0.00	0.01	0.0	0.3
WQTV	SMF-1 WQTV	BASE	72.77	47.62	51.00	21554	0.00	0.01	0.0	0.3
WQTV	SMF-1 WQTV	BASE	73.01	47.62	51.00	21553	0.00	0.01	0.0	0.3

Moonshine Acres Post Development
SMF-2 WQTV Recovery

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	SMF-2 WQTV	BASE	45.77	47.07	52.00	12373	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	46.02	47.07	52.00	12368	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	46.27	47.06	52.00	12363	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	46.52	47.06	52.00	12359	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	46.77	47.06	52.00	12354	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	47.02	47.06	52.00	12349	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	47.27	47.05	52.00	12345	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	47.52	47.05	52.00	12340	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	47.77	47.05	52.00	12335	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	48.02	47.05	52.00	12331	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	48.27	47.04	52.00	12326	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	48.52	47.04	52.00	12322	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	48.77	47.04	52.00	12317	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	49.02	47.04	52.00	12313	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	49.27	47.04	52.00	12308	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	49.52	47.03	52.00	12304	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	49.77	47.03	52.00	12300	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	50.02	47.03	52.00	12295	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	50.27	47.03	52.00	12291	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	50.52	47.02	52.00	12287	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	50.77	47.02	52.00	12282	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	51.02	47.02	52.00	12278	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	51.27	47.02	52.00	12274	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	51.52	47.02	52.00	12269	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	51.77	47.01	52.00	12265	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	52.02	47.01	52.00	12261	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	52.27	47.01	52.00	12257	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	52.52	47.01	52.00	12253	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	52.77	47.00	52.00	12248	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	53.02	47.00	52.00	12244	0.00	0.03	0.0	0.6
WQTV	SMF-2 WQTV	BASE	53.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	53.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	53.77	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	54.02	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	54.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	54.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	54.77	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	55.02	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	55.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	55.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	55.77	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	56.02	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	56.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	56.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	56.77	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	57.02	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	57.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	57.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	57.77	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	58.02	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	58.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	58.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	58.77	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	59.02	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	59.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	59.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	59.77	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	60.02	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	60.27	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	60.52	47.00	52.00	12240	0.00	0.00	0.0	0.6
WQTV	SMF-2 WQTV	BASE	60.77	47.00	52.00	12240	0.00	0.00	0.0	0.6

Moonshine Acres Post Development
SMF-3 WQTV Recovery

Simulation	Node	Group	Time	Stage	Warning Stage	Surface Area	Total Inflow	Total Outflow	Total Vol In	Total Vol Out
			hrs	ft	ft	ft2	cfs	cfs	af	af
WQTV	SMF-3 WQTV	BASE	15.27	48.06	50.00	4203	0.00	0.02	0.0	0.0
WQTV	SMF-3 WQTV	BASE	15.52	48.05	50.00	4199	0.00	0.02	0.0	0.0
WQTV	SMF-3 WQTV	BASE	15.77	48.05	50.00	4196	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	16.02	48.05	50.00	4192	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	16.27	48.04	50.00	4189	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	16.52	48.04	50.00	4186	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	16.77	48.04	50.00	4182	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	17.02	48.04	50.00	4179	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	17.27	48.03	50.00	4176	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	17.52	48.03	50.00	4173	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	17.77	48.03	50.00	4171	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	18.02	48.03	50.00	4168	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	18.27	48.02	50.00	4165	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	18.52	48.02	50.00	4163	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	18.77	48.02	50.00	4160	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	19.02	48.02	50.00	4158	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	19.27	48.01	50.00	4155	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	19.52	48.01	50.00	4153	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	19.77	48.01	50.00	4150	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	20.02	48.01	50.00	4148	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	20.27	48.01	50.00	4146	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	20.52	48.01	50.00	4144	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	20.77	48.00	50.00	4142	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	21.02	48.00	50.00	4140	0.00	0.01	0.0	0.0
WQTV	SMF-3 WQTV	BASE	21.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	21.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	21.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	22.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	22.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	22.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	22.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	23.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	23.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	23.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	23.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	24.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	24.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	24.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	24.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	25.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	25.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	25.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	25.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	26.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	26.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	26.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	26.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	27.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	27.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	27.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	27.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	28.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	28.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	28.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	28.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	29.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	29.27	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	29.52	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	29.77	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	30.02	48.00	50.00	4138	0.00	0.00	0.0	0.0
WQTV	SMF-3 WQTV	BASE	30.27	48.00	50.00	4138	0.00	0.00	0.0	0.0

Section 2

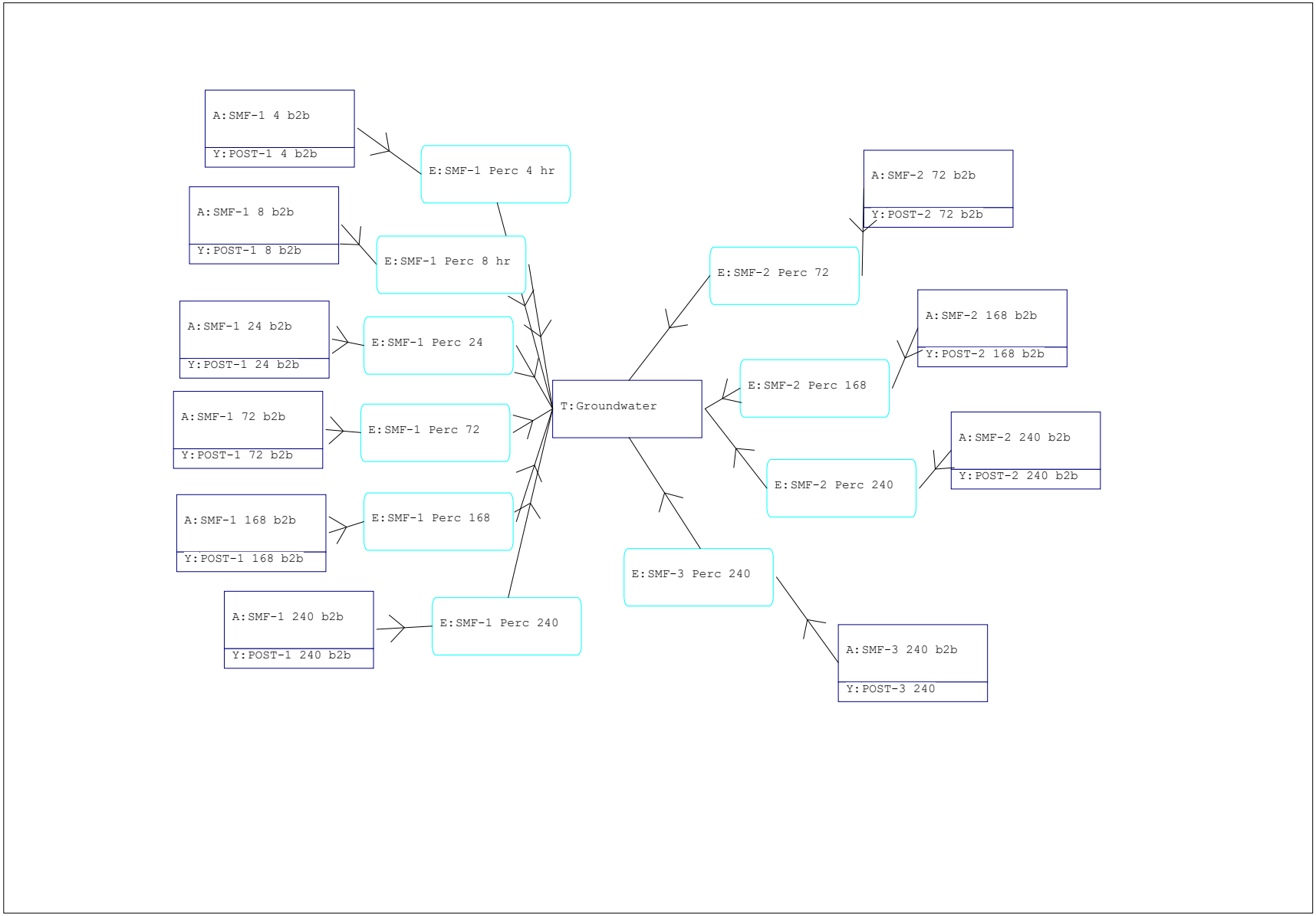
Back to Back Storms Results

Moonshine Acres Back to Back Storm Routing
Network

Nodes
A Stage/Area
V Stage/Volume
T Time/Stage
M Manhole

Basins
O Overland Flow
U SCS Unit CN
S SBUH CN
Y SCS Unit GA
Z SBUH GA

Links
P Pipe
W Weir
C Channel
D Drop Structure
B Bridge
R Rating Curve
H Breach
E Percolation
F Filter
X Exfil Trench



==========
==== Basins ==========
==========

Name: POST-1 168 b2b Node: SMF-1 168 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 34.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.440	15.000	2.40	6.560	21.480	0.417	4.170
0.480	0.000	0.00	6.560	21.870	0.417	4.170
2.350	38.000	21.30	2.260	10.140	0.412	8.740

Name: POST-1 24 b2b Node: SMF-1 24 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 34.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.440	15.000	2.40	6.560	21.480	0.417	4.170
0.480	0.000	0.00	6.560	21.870	0.417	4.170
2.350	38.000	21.30	2.260	10.140	0.412	8.740

Name: POST-1 240 b2b Node: SMF-1 240 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 34.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.440	15.000	2.40	6.560	21.480	0.417	4.170
0.480	0.000	0.00	6.560	21.870	0.417	4.170
2.350	38.000	21.30	2.260	10.140	0.412	8.740

Name: POST-1 4 b2b Node: SMF-1 4 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 34.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.440	15.000	2.40	6.560	21.480	0.417	4.170
0.480	0.000	0.00	6.560	21.870	0.417	4.170
2.350	38.000	21.30	2.260	10.140	0.412	8.740

Name: POST-1 72 b2b Node: SMF-1 72 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 34.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)

9.440	15.000	2.40	6.560	21.480	0.417	4.170
0.480	0.000	0.00	6.560	21.870	0.417	4.170
2.350	38.000	21.30	2.260	10.140	0.412	8.740

Name: POST-1 8 b2b Node: SMF-1 8 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 34.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
9.440	15.000	2.40	6.560	21.480	0.417	4.170
0.480	0.000	0.00	6.560	21.870	0.417	4.170
2.350	38.000	21.30	2.260	10.140	0.412	8.740

Name: POST-2 168 b2b Node: SMF-2 168 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.010	30.000	4.80	6.560	21.480	0.417	4.170
2.450	10.000	0.00	6.560	21.870	0.417	4.170
6.460	38.000	38.00	3.020	14.120	0.330	17.680

Name: POST-2 240 b2b Node: SMF-2 240 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.010	30.000	4.80	6.560	21.480	0.417	4.170
2.450	10.000	0.00	6.560	21.870	0.417	4.170
6.460	38.000	38.00	3.020	14.120	0.330	17.680

Name: POST-2 72 b2b Node: SMF-2 72 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 28.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
5.010	30.000	4.80	6.560	21.480	0.417	4.170
2.450	10.000	0.00	6.560	21.870	0.417	4.170
6.460	38.000	38.00	3.020	14.120	0.330	17.680

Name: POST-3 240 Node: SMF-3 240 b2b Status: Onsite
Group: BASE Type: SCS Unit Hydrograph GA

Unit Hydrograph: Uh323 Peaking Factor: 323.0
Rainfall File: Storm Duration(hrs): 0.00
Rainfall Amount(in): 0.000 Time of Conc(min): 10.00
Time Shift(hrs): 0.00
Max Allowable Q(cfs): 999999.000

Area(ac)	Impervious(%)	DCIA(%)	Cutoff(ft)	**********	Eff Por(dec)	Suctn Hd(in)
0.610	36.000	24.60	6.560	21.480	0.417	4.170

==========
==== Nodes ==========
==========

Name: Groundwater Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	0.000
999.00	0.000

Name: SMF-1 168 b2b Base Flow(cfs): 0.000 Init Stage(ft): 48.480
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4570
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-1 24 b2b Base Flow(cfs): 0.000 Init Stage(ft): 47.520
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4570
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-1 240 b2b Base Flow(cfs): 0.000 Init Stage(ft): 48.900
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4570
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-1 4 b2b Base Flow(cfs): 0.000 Init Stage(ft): 47.030
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4570
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-1 72 b2b Base Flow(cfs): 0.000 Init Stage(ft): 48.140
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4570
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-1 8 b2b Base Flow(cfs): 0.000 Init Stage(ft): 47.130
Group: BASE Warn Stage(ft): 51.000
Type: Stage/Area

Stage(ft)	Area(ac)
47.000	0.4570
48.000	0.5170
49.000	0.5830
50.000	0.6530
51.000	0.7270

Name: SMF-2 168 b2b Base Flow(cfs): 0.000 Init Stage(ft): 48.390
Group: BASE Warn Stage(ft): 52.000
Type: Stage/Area

Stage(ft)	Area(ac)
46.000	0.2390
47.000	0.2810
48.000	0.3250
49.000	0.6610
50.000	1.0960
51.000	1.7740
52.000	2.7150

Name: SMF-2 240 b2b Base Flow(cfs): 0.000 Init Stage(ft): 49.070
Group: BASE Warn Stage(ft): 52.000
Type: Stage/Area

Stage(ft)	Area(ac)
46.000	0.2390
47.000	0.2810
48.000	0.3250
49.000	0.6610
50.000	1.0960
51.000	1.7740
52.000	2.7150

Name: SMF-2 72 b2b Base Flow(cfs): 0.000 Init Stage(ft): 47.730
Group: BASE Warn Stage(ft): 52.000
Type: Stage/Area

Stage(ft)	Area(ac)
46.000	0.2390
47.000	0.2810
48.000	0.3250
49.000	0.6610
50.000	1.0960
51.000	1.7740
52.000	2.7150

Name: SMF-3 240 b2b Base Flow(cfs): 0.000 Init Stage(ft): 48.010
Group: BASE Warn Stage(ft): 49.000
Type: Stage/Area

Stage(ft)	Area(ac)
48.000	0.0950
49.000	0.1210
50.000	0.1490

==== Percolation Links ==========

```
         Name: SMF-1 Perc 168      From Node: SMF-1 168 b2b           Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 45.500                      Perimeter 1(ft): 800.000
        Water Table Elev(ft): 46.000                      Perimeter 2(ft): 1301.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 4308.000
  Horiz Conductivity(ft/day): 5.980                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 2.650                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.285                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.000
```

```
         Name: SMF-1 Perc 24       From Node: SMF-1 24 b2b            Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 45.500                      Perimeter 1(ft): 800.000
        Water Table Elev(ft): 46.000                      Perimeter 2(ft): 1301.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 4308.000
  Horiz Conductivity(ft/day): 5.980                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 2.650                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.285                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.000
```

```
         Name: SMF-1 Perc 240      From Node: SMF-1 240 b2b           Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 45.500                      Perimeter 1(ft): 800.000
        Water Table Elev(ft): 46.000                      Perimeter 2(ft): 1301.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 4308.000
  Horiz Conductivity(ft/day): 5.980                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 2.650                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.285                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.000
```

```
         Name: SMF-1 Perc 4 hr     From Node: SMF-1 4 b2b             Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 45.500                      Perimeter 1(ft): 800.000
        Water Table Elev(ft): 46.000                      Perimeter 2(ft): 1301.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 4308.000
  Horiz Conductivity(ft/day): 5.980                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 2.650                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.285                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.000
```

```
         Name: SMF-1 Perc 72       From Node: SMF-1 72 b2b            Flow: Both
        Group: BASE                  To Node: Groundwater            Count: 1

         Surface Area Option: Vary based on Stage/Area Table
   Vertical Flow Termination: Horizontal Flow Algorithm
       Aquifer Base Elev(ft): 45.500                      Perimeter 1(ft): 800.000
        Water Table Elev(ft): 46.000                      Perimeter 2(ft): 1301.000
  Ann Recharge Rate(in/year): 0.000                       Perimeter 3(ft): 4308.000
  Horiz Conductivity(ft/day): 5.980                   Distance 1 to 2(ft): 50.000
   Vert Conductivity(ft/day): 2.650                   Distance 2 to 3(ft): 450.000
     Effective Porosity(dec): 0.285                      Num Cells 1 to 2: 10
             Suction Head(in): 4.170                     Num Cells 2 to 3: 45
        Layer Thickness(ft): 1.000
```

```
        Name: SMF-1 Perc 8 hr     From Node: SMF-1 8 b2b             Flow: Both
       Group: BASE                  To Node: Groundwater            Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 45.500                        Perimeter 1(ft): 800.000
       Water Table Elev(ft): 46.000                        Perimeter 2(ft): 1301.000
 Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4308.000
 Horiz Conductivity(ft/day): 5.980                    Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 2.650                    Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.285                       Num Cells 1 to 2: 10
          Suction Head(in): 4.170                        Num Cells 2 to 3: 45
       Layer Thickness(ft): 1.000
```

```
        Name: SMF-2 Perc 168      From Node: SMF-2 168 b2b           Flow: Both
       Group: BASE                  To Node: Groundwater            Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 40.000                        Perimeter 1(ft): 1642.000
       Water Table Elev(ft): 45.250                        Perimeter 2(ft): 1988.000
 Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4755.000
 Horiz Conductivity(ft/day): 4.500                    Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 2.000                    Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.300                       Num Cells 1 to 2: 10
          Suction Head(in): 4.170                        Num Cells 2 to 3: 45
       Layer Thickness(ft): 1.750
```

```
        Name: SMF-2 Perc 240      From Node: SMF-2 240 b2b           Flow: Both
       Group: BASE                  To Node: Groundwater            Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 40.000                        Perimeter 1(ft): 1642.000
       Water Table Elev(ft): 45.250                        Perimeter 2(ft): 1988.000
 Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4755.000
 Horiz Conductivity(ft/day): 4.500                    Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 2.000                    Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.300                       Num Cells 1 to 2: 10
          Suction Head(in): 4.170                        Num Cells 2 to 3: 45
       Layer Thickness(ft): 1.750
```

```
        Name: SMF-2 Perc 72       From Node: SMF-2 72 b2b            Flow: Both
       Group: BASE                  To Node: Groundwater            Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 40.000                        Perimeter 1(ft): 1642.000
       Water Table Elev(ft): 45.250                        Perimeter 2(ft): 1988.000
 Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 4755.000
 Horiz Conductivity(ft/day): 4.500                    Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 2.000                    Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.300                       Num Cells 1 to 2: 10
          Suction Head(in): 4.170                        Num Cells 2 to 3: 45
       Layer Thickness(ft): 1.750
```

```
        Name: SMF-3 Perc 240      From Node: SMF-3 240 b2b           Flow: Both
       Group: BASE                  To Node: Groundwater            Count: 1

        Surface Area Option: Vary based on Stage/Area Table
  Vertical Flow Termination: Horizontal Flow Algorithm
      Aquifer Base Elev(ft): 36.000                        Perimeter 1(ft): 321.000
       Water Table Elev(ft): 47.000                        Perimeter 2(ft): 635.000
 Ann Recharge Rate(in/year): 0.000                         Perimeter 3(ft): 1613.000
 Horiz Conductivity(ft/day): 1.200                    Distance 1 to 2(ft): 50.000
  Vert Conductivity(ft/day): 0.550                    Distance 2 to 3(ft): 450.000
    Effective Porosity(dec): 0.300                       Num Cells 1 to 2: 10
```

Suction Head(in): 4.170 Num Cells 2 to 3: 45
Layer Thickness(ft): 1.000

==========
==== Hydrology Simulations ==========
==========

Name: SCS 100yr001hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr001

Override Defaults: Yes
Storm Duration(hrs): 1.00
Rainfall File: Fdot-1
Rainfall Amount(in): 4.20

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr002hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr002

Override Defaults: Yes
Storm Duration(hrs): 2.00
Rainfall File: Fdot-2
Rainfall Amount(in): 5.10

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr004hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr004

Override Defaults: Yes
Storm Duration(hrs): 4.00
Rainfall File: Fdot-4
Rainfall Amount(in): 6.08

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr008hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr008

Override Defaults: Yes
Storm Duration(hrs): 8.00
Rainfall File: Fdot-8
Rainfall Amount(in): 7.36

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr024hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr024

Override Defaults: Yes
Storm Duration(hrs): 24.00
Rainfall File: Fdot-24
Rainfall Amount(in): 9.84

Time(hrs)	Print Inc(min)
30.000	5.00

Name: SCS 100yr072hr
Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr072

Override Defaults: Yes
Storm Duration(hrs): 72.00
Rainfall File: Fdot-72
Rainfall Amount(in): 12.40

Time(hrs)	Print Inc(min)
80.000	5.00

```
         Name: SCS 100yr168hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr168

      Override Defaults: Yes
    Storm Duration(hrs): 168.00
          Rainfall File: Fdot-168
    Rainfall Amount(in): 14.00

Time(hrs)       Print Inc(min)
--------------- ---------------
175.000         5.00

-------------------------------------------------------------------------------------------------
         Name: SCS 100yr240hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100yr240

      Override Defaults: Yes
    Storm Duration(hrs): 240.00
          Rainfall File: Fdot-240
    Rainfall Amount(in): 16.10

Time(hrs)       Print Inc(min)
--------------- ---------------
250.000         5.00

===============================================================================================
==== Routing Simulations ======================================================================
===============================================================================================

         Name: SCS 100-001         Hydrology Sim: SCS 100yr001hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-001.

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 721.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           1.000
721.000         60.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: SCS 100-002         Hydrology Sim: SCS 100yr002hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-002.

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 722.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
2.000           1.000
722.000         60.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: SCS 100-004         Hydrology Sim: SCS 100yr004hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-004.

      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 724.00
```

```
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
4.000           1.000
724.000         60.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: SCS 100-008         Hydrology Sim: SCS 100yr008hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-008.

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 728.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
8.000           1.000
728.000         60.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: SCS 100-024         Hydrology Sim: SCS 100yr024hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-024.

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 744.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          1.000
744.000         60.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: SCS 100-072         Hydrology Sim: SCS 100yr072hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-072.

      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 792.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          1.000
792.000         60.000

Group           Run
--------------- -----
BASE            Yes
```

```
---------------------------------------------------------------------------------------------------
         Name: SCS 100-168         Hydrology Sim: SCS 100yr168hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-168.

      Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 888.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          1.000
888.000         60.000

Group           Run
--------------- -----
BASE            Yes


---------------------------------------------------------------------------------------------------
         Name: SCS 100-240         Hydrology Sim: SCS 100yr240hr
     Filename: N:\2020\20-0038\Departments\04_Engineering\03_Drainage\2_Calculations\ICPR - PONDS\Post\Back to Back\SCS 100-240.

      Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 960.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          1.000
960.000         60.000

Group           Run
--------------- -----
BASE            Yes
```

Moonshine Acres Back to Back Storm Routing
SMF-1 Peak Stage 4 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1 4 b2b	BASE	SCS 100-004	5.26	47.49	51.00	0.0021	21175	2.42	1.88	3.22	0.64

Moonshine Acres Back to Back Storm Routing
SMF-1 Peak Stage 8 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1 8 b2b	BASE	SCS 100-008	8.96	47.72	51.00	0.0021	21782	4.16	1.95	0.01	0.62

Moonshine Acres Back to Back Storm Routing
SMF-1 Peak Stage 24 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1 24 b2b	BASE	SCS 100-024	25.17	48.54	51.00	-0.0018	24076	21.08	0.76	0.01	0.65

Moonshine Acres Back to Back Storm Routing
SMF-1 Peak Stage 72 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1 72 b2b	BASE	SCS 100-072	72.75	49.74	51.00	0.0036	27655	60.00	1.59	0.01	0.70

Moonshine Acres Back to Back Storm Routing
SMF-1 Peak Stage 168 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1 168 b2b	BASE	SCS 100-168	168.90	50.30	51.00	0.0023	29403	154.77	1.07	0.01	0.73

Moonshine Acres Back to Back Storm Routing
SMF-1 Peak Stage 240 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-1 240 b2b	BASE	SCS 100-240	240.52	50.91	51.00	0.0032	31364	179.27	1.44	0.01	0.77

Moonshine Acres Back to Back Storm Routing
SMF-2 Peak Stage 72 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-2 72 b2b	BASE	SCS 100-072	72.52	50.29	52.00	0.0031	56438	58.27	1.67	0.01	0.32

Moonshine Acres Back to Back Storm Routing
SMF-2 Peak Stage 168 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-2 168 b2b	BASE	SCS 100-168	168.68	50.67	52.00	0.0030	67511	158.85	2.78	0.01	0.46

Moonshine Acres Back to Back Storm Routing
SMF-2 Peak Stage 240 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-2 240 b2b	BASE	SCS 100-240	240.38	51.11	52.00	0.0037	81914	184.00	3.72	0.01	0.70

Moonshine Acres Back to Back Storm Routing
SMF-3 Peak Stage 240 Hr

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
SMF-3 240 b2b	BASE	SCS 100-240	216.35	48.84	49.00	0.0011	5092	177.10	0.08	38.30	0.03

Appendix B

Operation and Maintenance Requirements and
Erosion and Sedimentation Control Requirements

Operation and Maintenance Requirements

Proposed operation and maintenance and soil erosion and sediment control practices are outlined in the following paragraphs.

Stormwater Management Facilities

The man-made stormwater management facilities shall be maintained free of sediments and debris. Areas shall be inspected on a routine basis and nuisance plants shall be removed a minimum of twice annually. Grassed areas shall be mowed a minimum of 6 times per year. The natural systems shall be least disturbed as possible. Minimal maintenance is required for the natural and undisturbed areas. All basins shall be inspected monthly. Monthly documentation shall be noted based upon the inspection findings.

Erosion Control

All erosion damage at spillways, outfall structures, and along basin side slopes shall be repaired (grading and grassing) as conditions occur. All side slopes and other areas disturbed by construction shall be stabilized by sodding, hydro-mulching or other appropriate vegetative or non-vegetative erosion control measures.

Swale/Ditch

All swales, if any, shall be maintained free of debris and sediment. Sediments shall be removed when the depth has been reduced by 20 percent. Sediments removed from swales/ditches should be evenly spread over grassed areas away from the stormwater management facilities.

Culverts, Pipes and Structures

All pipes, if any, shall be inspected bi-annually. Culverts and pipes shall be maintained free of debris and sediment. Sediments removed from culverts and pipes should be evenly spread over grassed areas away from the stormwater management facilities.

The structures and paved flow lines, if any, shall be maintained clear of debris. Remove any debris and silt collected in inlets and pipes as routine inspections dictates.

Underdrains

All underdrains shall be inspected annually. Filter beds shall be maintained free of debris and sediment. Grass clippings shall be removed from the area after cutting and sod shall not be placed over filter material. Place stone or gravel over the filter material for stabilization, if necessary.

Inspection Reporting

Annual inspection reports, prepared by a properly licensed professional engineer, should be submitted to the water management district. The engineer shall inspect the site and report on the status and function of the system. Noted deficiencies and/or maintenance requirements shall be reported to the owner with recommendations for repairs. Repairs shall be executed.

Limerock/Sinkhole

If continuous limerock is encountered during excavation of the swales/basin or if a sinkhole forms in the area of a drainage swale/basin the engineer of record shall be notified by either the contractor or the established operation and maintenance entity. The engineer of record shall inspect the repaired area upon completion of the repair.

Where continuous limerock is encountered during excavation of the swales/basins, the limerock shall be over excavated by 2 feet and replaced with clayey soils that extend 2 feet beyond the perimeter of the limerock outcropping. The clayey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum.

All swales/basins shall be inspected monthly for sinkhole occurrence. Should a sinkhole occur, the area shall be repaired as soon as possible. Repair shall include filling (limerock such as road base material, clay/sand mixture, or concrete if necessary). A 2-foot deep cap that extends 2 feet beyond the perimeter of the sinkhole shall be constructed with clayey soils. The clayey soil shall have at least 20% passing the no. 200 sieve, compacted to 95% of standard proctor, and compacted in a wet condition with moisture 2% - 4% above optimum. The clay soil cap shall be re-graded to prevent concentration of waters (ponding) and re-vegetated.

Operation & Maintenance Entity:

Moonshine Acres RV Park

Appendix C

Geotechnical Report

Cal -Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P O Box 1625 • Lake City, FL 32056
Tel (386) 755-3633 • Fax (386) 752-5456

450 SR 13N, Suite 106-308, Jacksonville, FL 32259
Tel (904) 381-8901 • Fax (904) 381-8902

March 4, 2020

Mr. Ryan Gilmore
Moonshine Acres RV Park
(904) 476-6595
ryan@moonshineacresrvpark.com

RE: Supplemental Geotechnical Expl. & Field Soil Permeability Testing Report
Moonshine Acres RV park Expansion Development-Retention Ponds
10089 SW US 27
Fort White, Florida
Cal-Tech Testing, Inc. Project No. 20-00057-01

Dear Mr. Ryan Gilmore:

This report presents the results of our supplemental geotechnical exploration and field soil permeability testing performed at the proposed retention ponds for the Moonshine Acres RV Park Expansion development in Fort White, Florida. Our services were performed in accordance with our proposal and your subsequent authorization.

The purposes of our supplemental geotechnical exploration and soil testing were to obtain subsurface soil profile and soil permeability data at proposed retention pond areas in addition to the information included in our preliminary report dated February 10, 2020.

FIELD EXPLORATION

Our supplemental field exploration was done on March 3, 2020, and consisted of additional four (4) soil field permeability tests performed using a 5 ft. long, 2.81-in I.D. casing driven 0.5 ft. from the bottom of 1.5 ft. to 4 ft. deep hand-augered boreholes. During the tests and after soil saturation for 30 minutes, we recorded the volume required to keep water at the top of the casing at 5-minute intervals for 30 minutes.

Prior to the additional soil field permeability testing, we performed four (4) Standard Penetration Test (SPT) borings (B2 through B5) to depths of 15 ft. in order to determine the soil profile in proximity to each of the additional soil field permeability test locations laid out by our field crew at the proposed retention pond locations estimated from the information on the sketch you provided to us. Global Positioning System (GPS)

coordinates were recorded from each location. At completion, the boreholes were backfilled with soil cuttings.

The sampling and penetration procedures of the SPT borings were in general accordance with ASTM D-1586 Penetration Test and Split-Barrel Sampling of Soil, using a power rotary drill rig and a 3-in diameter continuous flight auger. The standard penetration test was performed by driving a standard $1^3/_8$ inch I.D. and 2 inches O.D. split-spoon sampler with an automatic 140-lb hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 24 inches (i.e. boring upper 10 ft.) or 18 inches in 6-inch increments were recorded in the boring logs. The penetration resistance, N-values, is the summation of the second and third 6-inch increments. The blow counts and N-values are recorded in the enclosed Boring Log.

The soil samples obtained from the borings were delivered to our laboratory and visually classified by our geotechnical engineer in general accordance with the Unified Soil Classification System (ASTM D-2487). Refer to the enclosed boring logs for the subsurface soil classification at the test locations.

SUBSURFACE SOIL CONDITIONS

GENERALIZED SUBSURFACE SOIL PROFILE

A generalized subsurface soil profile inferred from the soil borings consists of a 2 ft. to 10 ft thick stratum of SAND underlain by SILTY SAND to the termination depth of the borings. A surficial 2 ft. thick layer of CLAY was encountered overlying the SAND stratum at boring locations B2 and B3. No SILTY SAND layer was encountered at B5.

Groundwater

No groundwater was encountered while drilling at the boring locations. The United States Department of Agriculture (USDA), National Resources Conservation Service (NRCS) indicates the groundwater at depths of 24 inches to deeper than 80 inches below natural ground surface depending of the location throughout the property.

The Federal Emergency Management Agency (FEMA) Flood Map No. 12023C0480C effective February 4, 2009, indicates the property is within an Area of Minimal Flood Hazard, Zone X.

Our observations of the reddish coated soil particles resulting from iron oxide aided in our estimation of the Seasonal High Groundwater Table (SHGWT) depths from 24 inches to 48 inches.

SOIL PERMEABILITY & HYDROLOGIC GROUP

Analyses of data obtained during the SPT borings and the additional soil field permeability tests indicate soil hydraulic conductivities, SHGWT estimated depths and fillable porosities as shown in the following table:

Test No.	Depth (ft)	Vertical Unsaturated Soil Hydraulic Conductivity (K_{vu}) (ft/day)	Horizontal Soil Hydraulic Conductivity (K_h) (ft/day)	SHGWT Estimated Depth (inches)	Fillable Porosity (%)
B1[1]	1.5	6.8	15.3	24	27
B2	4.0	2.8	6.3	42	30
B3	3.5	5.2	11.7	48	30
B4	3.0	3.8	8.6	48	30
B5	4.0	1.1	2.4	48	30

Note 1: data obtained as part of the preliminary geotechnical engineering & field soil permeability testing reported on February 10, 2020.

In addition, based on the USDA NRCS criteria, the estimated depth to the SHGWT, the depth to the confining SILTY SAND stratum and the soil Hydraulic Conductivity, the soils could be assigned the following Hydraulic Soil Group (HSG):

Test No.	Confining layer Depth (inches)	HSG	Test No.	Confining layer Depth (inches)	HSG
B1[1]	24	B	B4	60	A
B2	120[2]	B[2]	B5	Deeper than 180	B
B3	96[2]	A[2]	-	-	-

- Note 1: data obtained as part of the preliminary geotechnical engineering & field soil permeability testing reported on February 10, 2020.
- Note 2: After removal of surficial CLAY layer.

LIMITATIONS

Information on subsurface strata and groundwater levels shown on the boring logs represent conditions encountered only at the locations indicated and at the time of the investigation.

CLOSURE

It has been a pleasure working with you and we look forward to continuing our work on this and future projects.

Sincerely,
Cal-Tech Testing, Inc.

IVAN E. MARCANO LICENSE No. 65550 3/4/2020 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ivan E. Marcano, M.S., P.E.
Sr. Geotechnical Engineer

Mike Stalvey, Jr.
Vice President

Enclosures:
Boring Location Plan
Boring Logs

CAL-TECH TESTING, INC.
P.O. BOX 1625
Lake City, Florida 32056-1625
Phone: (386) 755-3633
Fax: (386) 752-5456

BORING LOCATION PLAN

Moonshine Acres RV Park Expansion-Retention Pond

Fort White, Florida

Cal-Tech Testing, Inc.
3309 SR 247
Lake City, FL 32024
Telephone: 386-755-3633
Fax: 386-755-3633

BORING NUMBER B1

CLIENT Moonshine Acres RV park
PROJECT NAME Moonshine Acres RV Park Development-Retention Pond
PROJECT NUMBER 20-00057-01
PROJECT LOCATION Fort White Florida
DATE STARTED 2/7/20 **COMPLETED** 2/7/20
GROUND ELEVATION 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING --- Not encountered
LOGGED BY D.B. **CHECKED BY** I.M.
AT END OF DRILLING ---
NOTES Elev. refered to ground surface
AFTER DRILLING ---

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA: NUMBER	TYPE	RECOVERY (%) (RQD) %	BLOW COUNTS (N VALUE)	REMARKS (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC)
	(SP) Grayish brown **SAND**		2	1	SS	75	1-2-2-1 (4)	Boring Location Coordinates: N29°56'46.55" W82°44'43.09"
								SS=Split Spoon sampler
	(SM) Reddish brown **SILTY SAND**		4	2	SS	75	1-2-3-4 (5)	Reddish-iron-oxide colored sand particles start at 24 inches depth
-5			6	3	SS	71	7-9-11-12 (20)	
	(SM) Light gray **SILTY SAND**		8	4	SS	83	13-13-13-16 (26)	
			10	5	SS	75	15-15-15-13 (30)	
-10			12					
			14	6	SS	83	10-11-12 (23)	
-15	Bottom of borehole at 15.0 feet.							

Cal-Tech Testing, Inc.
3309 SR 247
Lake City, FL 32024
Telephone: 386-755-3633
Fax: 386-755-3633

BORING NUMBER B2

CLIENT Moonshine Acres RV park
PROJECT NAME Moonshine Acres RV Park Development-Retention Pond
PROJECT NUMBER 20-00057-01
PROJECT LOCATION Fort White Florida
DATE STARTED 3/3/20 **COMPLETED** 3/3/20
GROUND ELEVATION 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING --- Not encountered
LOGGED BY D.B. **CHECKED BY** I.M.
AT END OF DRILLING ---
NOTES Elev. refered to ground surface
AFTER DRILLING ---

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA: NUMBER	TYPE	RECOVERY (%) (RQD) %	BLOW COUNTS (N VALUE)	REMARKS (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)
	(CL) Gray **CLAY**		2	1	SS	13	1-2-3-2 (5)	Boring Location Coordinates: N29°56'46.42" W82°44'35.97"
	(SP) Light yellowish brown **SAND**		4	2	SS	67	1-1-1-2 (2)	SS=Split Spoon sampler
-5				3	SS	67	1-1-1-1 (2)	Reddish-iron-oxide colored sand particles start at 42 inches depth
			6					
	(SP) White **SAND**			4	SS	75	1-2-3-3 (5)	
			8					
				5	SS	63	3-4-5-7 (9)	
-10			10					
			12					
			14					
	(SM) Yellowish brown and red **SILTY SAND**			6	SS	89	5-7-8 (15)	
-15								
	Bottom of borehole at 15.0 feet.							

Cal-Tech Testing, Inc
3309 SR 247
Lake City, FL 32024
Telephone: 386-755-3633
Fax: 386-755-3633

BORING NUMBER B3

CLIENT Moonshine Acres RV park
PROJECT NAME Moonshine Acres RV Park Development-Retention Pond
PROJECT NUMBER 20-00057-01
PROJECT LOCATION Fort White Florida
DATE STARTED 3/3/20 **COMPLETED** 3/3/20
GROUND ELEVATION 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING --- Not encountered
LOGGED BY D.B. **CHECKED BY** I.M.
AT END OF DRILLING ---
NOTES Elev. refered to ground surface
AFTER DRILLING ---

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA: NUMBER	TYPE	RECOVERY (%) (RQD) %	BLOW COUNTS (N VALUE)	REMARKS (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)
	(CL) Light gray **CLAY**		2	1	SS	54	1-2-2-2 (4)	Boring Location Coordinates: N29°56'45.11" W82°44'35.87"
	(SP) Light yellowish brown **SAND**		4	2	SS	63	2-1-3-2 (4)	SS=Split Spoon sampler
-5				3	SS	58	2-1-2-2 (3)	Reddish-iron-oxide colored sand particles start at 48 inches depth
			6					
	(SP) White **SAND**			4	SS	71	2-4-4-6 (8)	
			8					
	(SM) Yellowish brown and red **SILTY SAND**			5	SS	75	3-4-6-8 (10)	
-10			10					
			12					
			14	6	SS	78	6-11-12 (23)	
-15	Bottom of borehole at 15.0 feet.							

Cal-Tech Testing, Inc.
3309 SR 247
Lake City, FL 32024
Telephone: 386-755-3633
Fax: 386-755-3633

BORING NUMBER B4

CLIENT Moonshine Acres RV park
PROJECT NAME Moonshine Acres RV Park Development-Retention Pond
PROJECT NUMBER 20-00057-01
PROJECT LOCATION Fort White Florida
DATE STARTED 3/3/20 **COMPLETED** 3/3/20
GROUND ELEVATION 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING --- Not encountered
LOGGED BY D.B. **CHECKED BY** I.M.
AT END OF DRILLING ---
NOTES Elev. refered to ground surface
AFTER DRILLING ---

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA: NUMBER	TYPE	RECOVERY (%) (RQD) %	BLOW COUNTS (N VALUE)	REMARKS (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)
	(SP) Grayish brown **SAND**		2	1	SS	58	1-1-2-1 (3)	Boring Location Coordinates: N29°56'47.05" W82°44'43.57"
								SS=Split Spoon sampler
	(SP) Light yellowish brown **SAND**		4	2	SS	67	1-2-2-2 (4)	Reddish-iron-oxide colored sand particles start at 48 inches depth
-5				3	SS	63	2-1-2-2 (3)	
	(SM) Yellowish red **SILTY SAND**		6	4	SS	58	2-3-3-2 (6)	
			8					
	(SM) Reddish yellow **SILTY SAND**			5	SS	71	3-3-5-6 (8)	
-10			10					
			12					
			14	6	SS	72	7-9-9 (18)	
-15	Bottom of borehole at 15.0 feet.							

Cal-Tech Testing, Inc.
3309 SR 247
Lake City, FL 32024
Telephone: 386-755-3633
Fax: 386-755-3633

BORING NUMBER B5

CLIENT Moonshine Acres RV park
PROJECT NAME Moonshine Acres RV Park Development-Retention Pond
PROJECT NUMBER 20-00057-01
PROJECT LOCATION Fort White Florida
DATE STARTED 3/3/20 **COMPLETED** 3/3/20
GROUND ELEVATION 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger/Split Spoon
AT TIME OF DRILLING --- Not encountered
LOGGED BY D.B. **CHECKED BY** I.M.
AT END OF DRILLING ---
NOTES Elev. refered to ground surface
AFTER DRILLING ---

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA: NUMBER	TYPE	RECOVERY (%) (RQD) %	BLOW COUNTS (N VALUE)	REMARKS (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)
	(SP) Grayish brown **SAND**		2	1	SS	67	1-2-3-3 (5)	Boring Location Coordinates: N29°56'40.95" W82°44'38.55"
	(SP) Reddish yellow **SAND**		4	2	SS	71	1-1-2-1 (3)	SS=Split Spoon sampler
-5			6	3	SS	71	1-1-1-1 (2)	Reddish-iron-oxide colored sand particles start at 48 inches depth
	(SP) Yellowish red **SILTY SAND**		8	4	SS	75	2-1-2-3 (3)	
-10			10	5	SS	67	2-3-2-4 (5)	
			12					
-15			14	6	SS	67	3-5-5 (10)	
	Bottom of borehole at 15.0 feet.							

January 23, 2020

VIA ELECTRONIC MAIL

Patrick Gilmore & Jessica Camp
RJ Industries, LLC
14991 NE Jacksonville Rd
Citra, FL 32113

Re: SE 0611 – Review Comments

Dear Mr. Gilmore & Ms. Camp,

The above referenced application was review for sufficiency in accordance with Columbia County's Comprehensive Plan and Land Development Regulations ("LDRs"). Please address all insufficiencies detailed below in writing and provide detail as to how each insufficiency has been addressed by 3:00 PM on Friday, January 31, 2020. If any additional submittals are required, please submit them digitally via the County's Digital Submittal Portal at:
https://www.columbiacountyfla.com/PermitSearch/UploadLogin.aspx

1) The applicant must provide a stormwater management plan and stormwater calculations demonstrating compliance with Article 7 of the Land Development Regulations (See Section D, Item 4 of Application).

If the applicant has not demonstrated compliance with the above comments by the date listed above, then staff will request a conditional approval of the application to the Board of Adjustment.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

Brandon M. Stubbs
Community Development Coordinator
Land Development Regulations Admin.

CC: Chad Williams, County Engineer

From: Chad Williams
To: Brandon Stubbs
Subject: RE: SE 0611 - Moonshine Acres
Date: Wednesday, January 15, 2020 2:20:21 PM

On page 3, Item 4 (Stormwater Management Plan) calls for several items (a-f) that I can't find in the package. Please have them submit these items.
Chad

From: Brandon Stubbs <bstubbs@columbiacountyfla.com>
Sent: Wednesday, January 15, 2020 11:08 AM
To: Ben Scott <ben_scott@columbiacountyfla.com>; Chad Williams <chad_williams@columbiacountyfla.com>; David Kraus <david_kraus@columbiacountyfla.com>; Jeff Crawford <jeff_crawford@columbiacountyfla.com>; Joel Foreman <jforeman@columbiacountyfla.com>; Kevin Kirby <kevin_kirby@columbiacountyfla.com>; Lawrence Wilson <lwilson@columbiacountyfla.com>; Liza Williams <lwilliams@columbiacountyfla.com>; Matt Crews <mcrews@columbiacountyfla.com>; Sallie Ford <sallie.ford@flhealth.gov>; Tad Cervantes <tad_cervantes@columbiacountyfla.com>; Troy Crews <troy_crews@columbiacountyfla.com>; Troy Register - FDOT, District 2 (Troy.Register@dot.state.fl.us) <Troy.Register@dot.state.fl.us>
Subject: SE 0611 - Moonshine Acres

Dear Development Review Team Members,

Attached is a Special Exception application (SE 0611) for Moonshine Acres Campground. Please review the attached application and backup materials and provide comments no later than **Monday, January 20, 2020 @ noon**.

Sincerely,
Brandon M. Stubbs
Community Development Coordinator
Land Development Regulation Admin.
Building & Zoning
Columbia County
135 NE Hernando Ave
Lake City, Fl 32055
Ph: (386) 754-7119
Fx: (386) 758-2160

The Lake City Reporter
PO Box 1709
Lake City, FL 32056
Phone: 386-752-1293
Fax: 386-752-9400
Email: kriotto@lakecityreporter.com

AFFIDAVIT OF PUBLICATION

Legal Reference: SE 0611, SE 0615, SE 0617
NOTICE OF PUBLIC HEARING

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before the undersigned notary public personally appeared Todd L. Wilson, who on oath says that (s)he is Publisher of the Lake City Reporter, a newspaper published at Lake City, Columbia County, Florida; confirms that the attached legal advertisement was published in the Lake City Reporter on the following date(s):

05/15/2020

Affiant

Sworn to and subscribed before me this 15th day of May, 2020

Kathleen A. Riotto

My commission expires August 20, 2022

NOTARY PUBLIC STATE OF FLORIDA
KATHLEEN A RIOTTO
Commission # GG 229945
Expires August 20, 2022
Bonded Thru Budget Notary Services

NOTICE OF PUBLIC HEARING CONCERNING A SPECIAL EXCEPTION AS PROVIDED FOR IN THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS

BY THE BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to the Columbia County Land Development Regulations as amended, hereinafter referred to as the Land Development Regulations, comments, objections and recommendations concerning the special exception, as described below, will be heard by the Board of Adjustment of Columbia County, Florida, at a public hearing on May 28, 2020 at 6:00 p.m., or as soon thereafter as the matter can be heard, in the School Board Administrative Complex located at 372 West Duval Street, Lake City, Florida.

SE 0611, a petition by Patrick Gilmore and Jessica Camp, owners, to request a special exception be granted as provided for in Section 4.5.7(8) of the Land Development Regulations to allow for a Campground use within the Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated January 14, 2020 and submitted as part of a petition dated January 14, 2020, as amended, to be located on property described, as follows:

Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of U.S. Highway No. 27 and run North 1 degrees 45' West, along said East line, 532.89 feet; thence South 88 degrees 15' West, 210 feet to the Point of Beginning; thence continue South 88 degrees 15' West, 210.00 feet; thence North 1 degrees 45' West, 130.00 feet; thence North 88 degrees 15' East, 210.00 feet; thence South 1 degrees 45' East, 130.00 feet to the Point of Beginning, Columbia County, Florida; and,

Commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right of way line of U.S. Highway No. 27 and run North 01 degrees 45' West, along said East line 532.89 feet to the Point of Beginning; thence South 88 degrees 15' West, 210 feet; thence North 01 degrees 45' West, 130 feet; thence South 88 degrees 15' West, 300 feet; thence North 01 degrees 45' West, 430 feet; thence North 88 degrees 15' East, 510 feet to said East line; thence South 1 degrees 45' East, along said East line 560 feet to the Point of Beginning; and,

Commence at the point of intersection of the North Right-of-Way line of U.S. Highway No. 27 and the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and run North 48 deg. 51' West along the right-of-way line 377 feet to the Point of Beginning; thence continue North 48 deg. 51' West, 196.00 feet; thence North 1 deg. 45' West, 142.6 feet; thence North 88 deg. 15' East, 210.00 feet; thence South 1 deg. 45' East, 210.00 feet; thence South 43 deg. 15' West, 93.7 feet to the Point of Beginning, Being a part of the Southeast 1/4 of the Southeast 1/4; and,

Approximately the West 90 feet of the following property:

Begin at the Intersection of the East line of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right-of-way line of U.S. Highway No. 27 and run North 1 deg. 45' West, along said East line 532.70 feet; thence South 88 deg. 15' West, 210.00 feet; thence North 1 deg. 45' West, 130.00 feet; thence South 88 deg. 15' West, 300.00 feet; thence South 1 deg. 45' East, to the North right-of way line of U.S. Highway No. 27; thence continue in a Southeast direction along the North line of U.S. Highway No. 27 to the Point of Beginning; and,

Begin at a point on the North line of the SE ¼ of the SE ¼ of Section 19, Township 6 South, Range 16 East, 510 feet West of the Northeast corner of said SE ¼ and run thence South parallel to the East line of said Section 19 to the North right-of-way line of State Road No 5A; Thence North 48° 51' West along the North right-of-way line of said State Road No. 5A to the North line of said SE ¼ of the SE ¼; Thence Easterly

Containing 13.5 acres, more or less.

Tax Parcel Numbers 19-6s-16-03885-000 and 19-6s-16-03880-000

SE 0615, a petition by James Johnston of Shutts & Bowen, LLP., as agent for Paula Barker, owner, to request a special exception be granted as provided for in Section 4.2.34 of the Land Development Regulations to allow for a wireless communication facility as an essential service within the Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated April 22, 2020 and submitted as part of a petition dated April 22, 2020, to be located on property described, as follows:

A parcel of land lying in the East ½ of the NW ¼ of the NW ¼ and in the NE ¼ of the NW ¼ of Section 8, Township 4 South, Range 16 East, Columbia County, Florida, explicitly described as follows:

Commence at the southwest corner of the East ½ of the NW ¼ of the NW ¼ of said Section 8 for the POINT OF BEGINNING; thence on the west boundary thereof NORTH, a distance of 322.00 feet; thence S89°24'00"E, a distance of 691.15 feet to the west maintained right-of-way line of Barwick Terrace; thence on said right-of-way line S05°09'38"W, a distance of 323.00 feet to the south boundary of the North ½ of the NW ¼ of aforesaid Sec-

boundary N89°24'00"W, a distance of 662.09 feet to the POINT OF BEGINNING.
Containing 5.00 acres, more or less.
Tax Parcel Number 08-4s-16-02816-032
SE 0617, by Gregg Hall of Florida Power & Light Company, owner, to request a special exception be granted as provided for in Section 4.2.34 of the Land Development Regulations to allow for an Electrical Substation as an Essential Service in an Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated April 28, 2020 and submitted as part of a petition dated April 28, 2020, to be located on property described, as follows:
A parcel of land lying in the Southeast 1/4 of the Northwest 1/4 of Section 12, Township 4 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:
Commence at the Northwest corner of Section 12, Township 4 South, Range 17 East, Columbia County, Florida; thence on the West line of said Section 1 2, S 01'49'54" E, a distance of 1319.19 feet to the Northwest corner of the Southwest 1/4 of the Northwest 1/4 of said Section 12; thence departing said West line and on the North line of said Southwest 1/4 of the Northwest 1/4, N 88'09'43" E, a distance of 1318.10 feet to the Northeast corner of said Southwest 1/4 of the Northwest 1/4 said point also being the Northwest corner of the Southeast 1/4 of the Northwest 1/4 of said Section 12; thence departing said North line and on the North line of said Southeast 1/4 of the Northwest 1/4, N 88'09'43" E, a distance of 138.30 feet to the POINT OF BEGINNING; thence continue on said North line, N 88'09'43" E, a distance of 228.02 feet to the Northwest corner of those Lands Described in Official Records Book 921 , Page 1316, of the Public Records of Columbia County, Florida; thence departing said North line and on the West line of said Lands, S 01'48'36" E, a distance of 469.70 feet to the Southwest corner of said Lands; thence departing said West line and on the South line of said Lands, N 88° 1 1 '20" E, a distance of 778.70 feet to the Southeast corner of said Lands said point also being on the Westerly county maintained right of way line of Pounds Hammock Road; thence departing said South line and on said Westerly county maintained right of way line, S 34° 36'45" E, a distance of 311.03 feet to a point on the East line of the Southeast 1/4 of the Northwest 1/4 of Section 12, Township 4 South, Range 17 East; thence departing said Westerly county maintained right of way line and on said East line, S 01'30'02" E, a distance of 570.09 feet to the Southeast corner of said Southeast 1/4 of the Northwest 1/4; thence departing said East line and on the South line of said Southeast 1/4 of the Northwest 1/4, S 87'58'24" W, a distance of 1175.46 feet; thence departing said South line, N 01'39'47" W, a distance of 1314.53 feet to the POINT OF BEGINNING.
CONTAINING 31.22 ACRES, MORE OR LESS
Tax Parcel Numbers: 12-4s-17-08323-001 & 12-4s-17-08323-003.
The public hearing may be continued to one or more future date. Any interested party shall be advised that the date, time and place of any continuation of the public hearing shall be announced during the public hearing and that no further notice concerning the matter will be published, unless said continuation exceeds six calendar weeks from the date of the above referenced public hearing.
At the aforementioned public hearing, all interested parties may appear to be heard with respect to the special exception.
Copies of the special exception are available for public inspection at the Office of the County Planner, County Administrative Offices, 135 Northeast Hernando Avenue, Lake City, Florida, during regular business hours.
All persons are advised that if they decide to appeal any decision made at the above referenced public hearing, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.
In accordance with the Americans with Disabilities Act, persons needing a special accommodation or an interpreter to participate in the proceeding should contact Lisa K. B. Roberts, at least forty-eight (48) hours prior to the date of the hearing. Ms. Roberts may be contacted by telephone at (386) 758-1005 or by Telecommunication Device for Deaf at (386) 758-2139.

576980
May 15, 2020

LAKE CITY REPORTER

CLASSIFIED

ADVANTAGE

General Information

Advertising copy is subject to approval by the Publisher who reserves the right to edit, reject, or classify all advertisements under appropriate headings. Copy should be checked for errors by the advertiser on the first day of publication. Credit for published errors will be allowed for the first insertion for that portion of the advertisement which was incorrect. Further, the Publisher shall not be liable for any omission of advertisements ordered to be published, nor for any general, special or consequential damages. Advertising language must comply with Federal, State or local laws regarding the prohibition of discrimination in employment, housing and public accommodations. Standard abbreviations are acceptable; however, the first word of each ad may not be abbreviated.

Placing An Ad >

You can call us at 755-5440, Monday through Friday from 8:00 a.m. to 5:00 p.m. Some people prefer to place their classified ads in person, and some ad categories will require prepayment. Our office is located at 180 East Duval Street. You can also fax or email your ad copy to the Reporter. FAX: 386-752-9400 Please direct your copy to the Classified Department. EMAIL: classifieds@lakecityreporter.com

Ad to Appear:	Deadline:
Tuesday	Mon., Noon
Wednesday	Tues., Noon
Thursday	Wed., Noon
Friday	Thurs., Noon
Saturday	Fri., Noon

These deadlines are subject to change without notice.

Cancellations, Changes, and Billing Questions

Ad Errors: Please read your ad on the first day of publication. We accept responsibility for only the first incorrect insertion, and only the charge for the ad space in error. Please call **755-5440** immediately for prompt correction and billing adjustments. **Cancellations:** Normal advertising deadlines apply for cancellation. **Billing Inquiries:** Call 755-5440. Should further information be required regarding payments or credit limits, your call will be transferred to the accounting department.

GARAGE SALE $17.50 4 LINES • 3 DAYS *Includes 2 Signs* Each additional line $1.65

NOTICE OF PUBLIC HEARING CONCERNING AN AMENDMENT TO THE COLUMBIA COUNTY COMPREHENSIVE PLAN
BY THE PLANNING AND ZONING BOARD OF COLUMBIA COUNTY, FLORIDA, SERVING ALSO AS THE LOCAL PLANNING AGENCY OF COLUMBIA COUNTY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to Sections 163.3161 through 163.3248, Florida Statutes, as amended, and the Columbia County Land Development Regulations, as amended, hereinafter referred to as the Land Development Regulations, objections, recommendations and comments concerning the amendment, as described below, will be heard by the Planning and Zoning Board of Columbia County, Florida, serving also as the Local Planning Agency of Columbia County, Florida, at a public hearings on May 28, 2020 at 6:05 p.m., or as soon thereafter as the matter can be heard, in the School Board Administrative Complex located at 372 West Duval Street, Lake City, Florida.
CPA 0233, an application by Carol Chadwick, P.E., on behalf of Five Points Pawn, LLC., owner, to amend the Future Land Use Plan Map of the Comprehensive Plan by amending the future land use classification from RESIDENTIAL, LOW DENSITY to COMMERCIAL for the property described, as follows:
LOT 1, BLOCK 1, RUBY PARK SUBDIVISION, BOOK 2, PAGE 112, COLUMBIA COUNTY, FL
Containing 0.175 acres, more or less.
Tax Parcel Number 20-3s-17-05432-000
The public hearing may be continued to one or more future date. Any interested party shall be advised that the date, time and place of any continuation of the public hearing shall be announced during the public hearing and that no further notice concerning the matter will be published, unless said continuation exceeds six calendar weeks from the date of the above referenced public hearing.
At the aforementioned public hearing, all interested parties may appear to be heard with respect to the amendment.
Copies of the amendment are available for public inspection at the Office of the County Planner, County Administrative Offices located at 135 Northeast Hernando Avenue, Lake City, Florida, during regular business hours.
All persons are advised that if they decide to appeal any decision made at the above referenced public hearing, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.
In accordance with the Americans with Disabilities Act, persons needing a special accommodation or an interpreter to participate in the proceeding should contact Lisa K. B. Roberts, at least forty-eight (48) hours prior to the date of the hearing. Ms. Roberts may be contacted by telephone at (386) 758-1005 or by Telecommunication Device for Deaf at (386) 758-2139.

576970
May 15, 2020

NOTICE OF PUBLIC HEARING CONCERNING A SPECIAL EXCEPTION AS PROVIDED FOR IN THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS
BY THE BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to the Columbia County Land Development Regulations as amended, hereinafter referred to as the Land Development Regulations, comments, objections and recommendations concerning the special exception, as described below, will be heard by the Board of Adjustment of Columbia County, Florida, at a public hearing on May 28, 2020 at 6:00 p.m., or as soon thereafter as the matter can be heard, in the School Board Administrative Complex located at 372 West Duval Street, Lake City, Florida.
SE 0611, a petition by Patrick Gilmore and Jessica Camp, owners, to request a special exception be granted as provided for in Section 4.5.7(8) of the Land Development Regulations to allow for a Campground use within the Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated January 14, 2020 and submitted as part of a petition dated January 14, 2020, as amended, to be located on property described, as follows:
Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of U.S. Highway No. 27 and run North 1 degrees 45' West, along said East line, 532.89 feet; thence South 88 degrees 15' West, 210 feet to the Point of Beginning; thence continue South 88 degrees 15' West, 210.00 feet; thence North 1 degrees 45' East, 130.00 feet; thence North 88 degrees 15' East, 210.00 feet; thence South 1 degrees 45' East, 130.00 feet to the Point of Beginning, Columbia County, Florida; and,
Commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right of way line of U.S. Highway No. 27 and run North 01 degrees 45' West, along said East line 532.89 feet to the Point of Beginning; thence South 88 degrees 15' West, 210 feet; thence North 01 degrees 45' West, 130 feet; thence South 88 degrees 15' West, 300 feet; thence North 01 degrees 45' West, 430 feet; thence North 88 degrees 15' East, 510 feet to said East line; thence South 1 degrees 45' East, along said East line 560 feet to the Point of Beginning; and,
Commence at the point of intersection of the North Right-of-Way line of U.S. Highway No. 27 and the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and run North 48 deg. 51' West along the right-of-way line 532.6 feet to the Point of Beginning; thence continue North 48 deg. 51' West, 196.00 feet; thence North 1 deg. 45' West, 142.6 feet; thence South 43 deg. 15' East, 210.00 feet; thence South 1 deg. 45' East, 210.00 feet; thence South 43 deg. 15' West, 93.7 feet to the Point of Beginning, Being a part of the South-east 1/4 of the Southeast 1/4; and,
Approximately the West 90 feet of the following property:
Begin at the intersection of the East line of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right-of-way line of U.S. Highway No. 27 and run North 1 deg. 45' West, along said East line 532.70 feet; thence South 88 deg. 15' West, 300.00 feet; thence North 1 deg. 45' West, 130.00 feet; thence South 88 deg. 15' West, 300.00 feet; thence South 1 deg. 45' East, to the North right-of way line of U.S. Highway No. 27; thence continue in a Southeast direction along the North line of U.S. Highway No. 27 to the Point of Beginning; and,
Begin at a point on the North line of the SE ¼ of the SE ¼ of Section 19, Township 6 South, Range 16 East, 510 feet West of the Northeast corner of said SE ¼ and run thence South parallel to the East line of said Section 19 to the North right-of-way line of State Road No 5A; Thence North 48° 51' West along the North right-of-way line of said State Road No. 5A to the North line of said SE ¼ of the SE ¼; Thence Easterly to the Point of Beginning.
Containing 13.5 acres, more or less.
Tax Parcel Numbers 19-6s-16-03885-000 and 19-6s-16-03880-000
SE 0615, a petition by James Johnston of Shutts & Bowen, LLP., as agent for Paula Barker, owner, to request a special exception be granted as provided for in Section 4.2.34 of the Land Development Regulations to allow for a wireless communication facility as an essential service within the Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated April 22, 2020 and submitted as part of a petition dated April 22, 2020, to be located on property described, as follows:
A parcel of land lying in the East ½ of the NW ¼ of the NW ¼ and in the NE ¼ of the NW ¼ of Section 8, Township 4 South, Range 16 East, Columbia County, Florida, explicitly described as follows:
Commence at the southwest corner of the East ½ of the NW ¼ of the NW ¼ of said Section 8 for the POINT OF BEGINNING; thence on the west boundary thereof NORTH, a distance of 322.00 feet; thence S89°24'00"E, a distance of 691.15 feet to the west maintained right-of-way line of Barwick Terrace; thence on said right-of-way line S05°09'38"W, a distance of 323.00 feet to the south boundary of the North ½ of the NW ¼ of aforesaid Section 8; thence on said south boundary N89°24'00"W, a distance of 662.09 feet to the POINT OF BEGINNING.
Containing 5.00 acres, more or less.
Tax Parcel Number 08-4s-16-02816-032
SE 0617, by Gregg Hall of Florida Power & Light Company, owner, to request a special exception be granted as provided for in Section 4.2.34 of the Land Development Regulations to allow for an Electrical Substation as an Essential Service in an Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated April 28, 2020 and submitted as part of a petition dated April 28, 2020, to be located on property described, as follows:
A parcel of land lying in the Southeast 1/4 of the Northwest 1/4 of Section 12, Township 4 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:
Commence at the Northwest corner of Section 12, Township 4 South, Range 17 East, Columbia County, Florida; thence on the West line of said Section 1 2, S 01'49'54" E, a distance of 1319.19 feet to the Northwest corner of the Southwest 1/4 of the Northwest 1/4 of said Section 12; thence departing said West line and on the North line of said Southwest 1/4 of the Northwest 1/4, N 88'09'43" E, a distance of 1318.10 feet to the Northeast corner of said Southwest 1/4 of the Northwest 1/4 said point also being the Northwest corner of the Southeast 1/4 of the Northwest 1/4 of said Section 12; thence departing said North line and on the North line of said Southeast 1/4 of the Northwest 1/4, N 88'09'43" E, a distance of 138.30 feet to the POINT OF BEGINNING; thence continue on said North line, N 88'09'43" E, a distance of 228.02 feet to the Northeast corner of those Lands Described in Official Records Book 921 , Page 1316, of the Public Records of Columbia County, Florida; thence departing said North line and on the West line of said Lands, S 01'48'36" E, a distance of 469.70 feet to the Southwest corner of said Lands; thence departing said West line and on the South line of said Lands, N 88° 1 1 '20" E, a distance of 778.70 feet to the Southeast corner of said Lands said point also being on the Westerly county maintained right of way line of Pounds Hammock Road; thence departing said South line and on said Westerly county maintained right of way line, S 34° 36'45" E, a distance of 311.03 feet to a point on the East line of the Southeast 1/4 of the Northwest 1/4 of Section 12, Township 4 South, Range 17 East; thence departing said Westerly county maintained right of way line and on said East line, S 01'30'02" E, a distance of 579.09 feet to the Southeast corner of said Southeast 1/4 of the Northwest 1/4; thence departing said East line and on the South line of said Southeast 1/4 of the Northwest 1/4, S 87'58'24" W, a distance of 1175.46 feet; thence departing said South line, N 01'39'47" W, a distance of 1314.53 feet to the POINT OF BEGINNING.
CONTAINING 31.22 ACRES, MORE OR LESS
Tax Parcel Numbers: 12-4s-17-08323-001 & 12-4s-17-08323-003.
The public hearing may be continued to one or more future date. Any interested party shall be advised that the date, time and place of any continuation of the public hearing shall be announced during the public hearing and that no further notice concerning the matter will be published, unless said continuation exceeds six calendar weeks from the date of the above referenced public hearing.
At the aforementioned public hearing, all interested parties may appear to be heard with respect to the special exception.
Copies of the special exception are available for public inspection at the Office of the County Planner, County Administrative Offices, 135 Northeast Hernando Avenue, Lake City, Florida, during regular business hours.
All persons are advised that if they decide to appeal any decision made at the above referenced public hearing, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.
In accordance with the Americans with Disabilities Act, persons needing a special accommodation or an interpreter to participate in the proceeding should contact Lisa K. B. Roberts, at least forty-eight (48) hours prior to the date of the hearing. Ms. Roberts may be contacted by telephone at (386) 758-1005 or by Telecommunication Device for Deaf at (386) 758-2139.

576980
May 15, 2020

NOTICE OF PUBLIC HEARING CONCERNING A VARIANCE AS PROVIDED FOR IN THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS
BY THE BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to the Columbia County Land Development Regulations, as amended, hereinafter referred to as the Land Development Regulations, as amended, objections, recommendations and comments concerning the variance, as described below, will be heard by the Board of Adjustment of Columbia County, Florida, at a public hearing on May 28, 2020, at 6:00 p.m., or as soon thereafter as the matters can be heard, in the School Board Administrative Complex located at 372 West Duval Street, Lake City, Florida.
V 0323, a petition by Dan Trimble of Lakeside Aluminum, agent for Belinda Kay O'Steen, owner, to request a variance be granted from the minimum yard requirements of Section 4.5.9 of the Land Development Regulations to allow for a deviation from the required 25-foot west side yard setback to allow for a 20-foot west side yard setback. The variance has been filed in accordance with a site plan dated March 12, 2020, and submitted as part of a petition filed March 12, 2020, to be located on property described, as follows:
Lot 6 of "Cloverdale" as per plat thereof recorded in Plat Book 6, Page 8 of the Public Records of Columbia County, Florida.
Containing 1.0 acres, more or less
Tax Parcel Number 34-4s-16-03272-106
V 0324, a petition by Carol Chadwick, P.E. agent for Forty Seven Properties, Inc., owner, to request a variance be granted from the minimum landscape buffering requirements of Section 4.16.10 of the Land Development Regulations to allow for a deviation from the required 30-foot landscape buffer along the north and west sides to allow for a 25-foot west side landscape buffer and a 22-foot north side landscape buffer. The variance has been filed in accordance with a site plan dated February 24, 2020, and submitted as part of a petition filed March 19, 2020, to be located on property described, as follows:
COMMENCE AT THE NW CORNER OF THE SE 1/4 OF SECTION 17, TOWNSHIP 4 SOUTH, RANGE 17 EAST COLUMBIA COUNTY, FLORIDA; RUN THENCE S.01° 29'42"E., 121.62 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY OF US HIGHWAY NO. 441; THENCE CONTINUE ALONG SAID RIGHT-OF-WAY S.36°24'03"E., 1035.82 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID RIGHT-OF-WAY S.36° 27'56"E., 511.49 FEET; THENCE N.88.19'25"E., 524.63 FEET; THENCE N.36° 22'00"W., 809.94 FEET; THENCE S.53°39'05"W., 432.26 FEET TO THE POINT OF BEGINNING.
Containing 6.55 acres, more or less
Tax Parcel Number 17-4s-17-08410-003
V 0326, a petition by John Blanchard, owner, to request a variance be granted from the minimum yard requirements of Section 4.5.9 of the Land Development Regulations to allow for a deviation from the required 25-foot south side yard setback to allow for a 10-foot south side yard setback. The variance has been filed in accordance with a site plan dated April 8, 2020, and submitted as part of a petition filed April 8, 2020, to be located on property described, as follows:
Lot 22, Block "A" of Suwannee Hills Subdivision as per plat thereof recorded in Plat Book 5, Pages 70, 70A, and 70B of the Public Records of Columbia County, Florida.
Containing 5.01 acres, more or less
Tax Parcel Number 28-2s-16-01772-122
The public hearing may be continued to one or more future dates. Any interested party shall be advised that the date, time and place of any continuation of the public hearing shall be announced during the public hearing and that no further notice concerning the matter will be published, unless said continuation exceeds six calendar weeks from the date of the above referenced public hearing.
At the aforementioned public hearing, all interested parties may appear to be heard with respect to the variance.
Copies of the variance are available for public inspection at the Office of the County Planner, County Administrative Offices located at 135 Northeast Hernando Avenue, Lake City, Florida, during regular business hours.
All persons are advised that if they decide to appeal any decision made at the above referenced public hearing, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.
In accordance with the Americans with Disabilities Act, persons needing a special accommodation or an interpreter to participate in the proceeding should contact Lisa K. B. Roberts, at least forty-eight (48) hours prior to the date of the hearing. Ms. Roberts may be contacted by telephone at (386) 758-1005 or by Telecommunication Device for Deaf at (386) 758-2139.

577000
May 15, 2020

NOTICE OF PUBLIC HEARING CONCERNING AN AMENDMENT TO THE COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS
BY THE PLANNING AND ZONING BOARD OF COLUMBIA COUNTY, FLORIDA, SERVING ALSO AS THE LOCAL PLANNING AGENCY OF COLUMBIA COUNTY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to Sections 163.3161 through 163.3248, Florida Statutes, as amended, and the Columbia County Land Development Regulations, as amended, hereinafter referred to as the Land Development Regulations, objections, recommendations and comments concerning the amendments, as described below, will be heard by the Planning and Zoning Board of Columbia County, Florida, serving also as the Local Planning Agency of Columbia County, Florida, at a public hearings on May 28 , 2020 at 6:05 p.m., or as soon thereafter as the matters can be heard, in the Columbia County Public Library located at 308 NW Columbia Avenue, Lake City, Florida.
Z 0587, an application by Linda Crews, agent for Linda H. Crews, Bradley Aaron Crews, Matthew Hans Crews, and Linda H. Crews Living Trust, owner(s), to amend the Official Zoning Atlas of the Land Development Regulations by amending the zoning district of certain lands, the Planning and Zoning Board, serving also as the Local Planning Agency, recommends to the Board of County Commissioners that the zoning district be amended from RESIDENTIAL, SINGLE FAMILY-1 ("RSF-1") to COMMERCIAL, INTENSIVE ("CI") for the property described, as follows:
COMMENCE at the Northwest corner of the Northwest ¼ of the Northeast ¼ of Section 30, Township 4 South, Range 17 East, Columbia County, Florida and run South 00°17'22" East along the West line of said Northwest ¼ of the Northeast ¼ of Section 30 a distance of 21.65 feet to the of POINT OF BEGINNING; Thence South 89°08'37" East along the Southerly Right-of-Way line of County Road No. 242 a distance of 1485.07 feet to a point on the Westerly maintained right-of-way line of a county graded road; thence South 01° 09'29" West along said Westerly maintained right-of-way line of a county graded road a distance of 739.90 feet to the Northeast corner of a parcel of land recorded in O.R. Book 1017 Page 706 of the Public Records of Columbia County, Florida; Thence North 89° 25'08" West along the Northline of said parcel of land recorded in O.R. Book 1017 Page 706, a distance of 131.20 feet to the Northwest corner of said parcel of land; thence South 01°03'26" West along the West line of said parcel of land recorded in O.R. Book 1017, Page 706, a distance of 539.50 feet to the Southwest corner of said parcel of land recorded in O.R. Book 1017, Page 706, also being a point on the Northerly maintained right-of-way line of a county graded road; thence North 89°12'29" West along said Northerly maintained right-of-way line of a county graded road a distance of 931.14 feet; thence North 89°22'01" West still along said Northerly maintained right-of-way line of a county graded road a distance of 391.50 feet to a point on the West line of the Northwest ¼ of the Northeast ¼ of Section 30; thence North 00°17'22" West along said West line of the Northwest ¼ of the Northeast ¼ of Section 30 a distance of 1282.85 feet to the POINT OF BEGINNING.
Containing 41.92 acres, more or less
Tax Parcel Number 30-4S-17-08868-001, 30-4S-17-08868-011, 30-4S-17-08870-000, and 30-4S-17-08868-002
Z 0588, an application by Lance Jones of Jones Engineering and Consulting, LLC, agent for Robert Adams, owner, to amend the Official Zoning Atlas of the Land Development Regulations by amending the zoning district of certain lands, the Planning and Zoning Board, serving also as the Local Planning Agency, recommends to the Board of County Commissioners that the zoning district be amended from CONSERVATION ("CSV") to COMMERCIAL, NEIGHBORHOOD ("CN") for the property described, as follows:
Commencing at a point on the Easterly right-of-way line of High Springs-Fort White Road (State Road No. 20) which is 15 feet South from the North boundary of SW ¼ of NW ¼ of Section 29, Township 7 South, Range 17 East, thence East parallel with said North boundary line 402 feet, thence South 24 feet, thence Southwesterly 356 feet, more or less, to a point in Easterly right-of-way line of said highway which is 252 feet Southeasterly from the Point of Beginning, thence Northwesterly along said Easterly right-of-way line 252 feet to the Point of Beginning.
Containing 1.14 acres, more or less.
Tax Parcel Number 29-7S-17-10063-000
Z 0589, an application by the Board of County Commissioners to amend the Official Zoning Atlas of the Land Development Regulations by amending the Official Zoning Atlas in its entirety. The nature and purpose of the proposed amendment is to adopt zoning designations that are consistent with the underlying Future Land Use Map of the Comprehensive Plans and to correct areas of nonconformity.
Z 0590, an application by Carol Chadwick, P.E., on behalf of Five Points Pawn, LLC., owner, to amend the Official Zoning At-

PUBLIC NOTICE:

Posted on 5/15/20

NOTICE OF PUBLIC HEARING BEFORE THE BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA.

BY THE BOARD OF ADJUSTMENT OF COLUMBIA COUNTY, FLORIDA, NOTICE IS HEREBY GIVEN that, pursuant to the Columbia County Land Development Regulations as amended, hereinafter referred to as the Land Development Regulations, comments, objections and recommendations concerning the special exception, as described below, will be heard by the **Board of Adjustment** of Columbia County, Florida, at a public hearing on **May 28, 2020 at 6:00 p.m.**, or as soon thereafter as the matter can be heard, in the School Board Administrative Complex located at 372 West Duval Street, Lake City, Florida.

SE 0611, a petition by Patrick Gilmore and Jessica Camp, owners, to request a special exception be granted as provided for in Section 4.5.7(8) of the Land Development Regulations to allow for a Campground use within the Agriculture-3 ("A-3") Zone District. The special exception has been filed in accordance with a site plan dated January 14, 2020 and submitted as part of a petition dated January 14, 2020, as amended, to be located on property described, as follows:

Commence at the Intersection of the East line of the SE 1/4 of the SE 1/4 of Section 19, Township 6 South, Range 16 East, and the North right of way line of U.S. Highway No. 27 and run North 1 degrees 45' West, along said East line, 532.89 feet; thence South 88 degrees 15' West, 210 feet to the Point of Beginning; thence continue South 88 degrees 15' West, 210.00 feet; thence North 1 degrees 45' West, 130.00 feet; thence North 88 degrees 15' East, 210.00 feet; thence South 1 degrees 45' East, 130.00 feet to the Point of Beginning, Columbia County, Florida; and,

Commence at the intersection of the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right of way line of U.S. Highway No. 27 and run North 01 degrees 45' West, along said East line 532.89 feet to the Point of Beginning; thence South 88 degrees 15' West, 210 feet; thence North 01 degrees 45' West, 130 feet; thence South 88 degrees 15' West, 300 feet; thence North 01 degrees 45' West, 430 feet; thence North 88 degrees 15' East, 510 feet to said East line; thence South 1 degrees 45' East, along said East line 560 feet to the Point of Beginning; and,

Commence at the point of intersection of the North Right-of-Way line of U.S. Highway No. 27 and the East line of the Southeast 1/4 of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and run North 48 deg. 51' West along the right-of-way line 377 feet to the Point of Beginning; thence continue North 48 deg. 51' West, 196.00 feet; thence North 1 deg. 45' West, 142.6 feet; thence North 88 deg. 15' East, 210.00 feet; thence South 1 deg. 45' East, 210.00 feet; thence South 43 deg. 15' West, 93.7 feet to the Point of Beginning, Being a part of the Southeast 1/4 of the Southeast 1/4; and,

Approximately the West 90 feet of the following property: Begin at the Intersection of the East line of the Southeast 1/4 of Section 19, Township 6 South, Range 16 East, Columbia County, Florida, and the North right-of-way line of U.S. Highway No. 27 and run North 1 deg. 45' West, along said East line 532.70 feet; thence South 88 deg. 15' West, 210.00 feet; thence North 1 deg. 45' West, 130.00 feet; thence South 88 deg. 15' West, 300.00 feet; thence South 1 deg. 45' East, to the North right-of way line of U.S. Highway No. 27; thence continue in a Southeast direction along the North line of U.S. Highway No. 27 to the Point of Beginning; and,

Begin at a point on the North line of the SE ¼ of the SE ¼ of Section 19, Township 6 South, Range 16 East, 510 feet West of the Northeast corner of said SE ¼ and run thence South parallel to the East line of said Section 19 to the North right-of-way line of State Road No 5A; Thence North 48° 51' West along the North right-of-way line of said State Road No. 5A to the North line of said SE ¼ of the SE ¼; Thence Easterly to the Point of Beginning.

Containing 13.5 acres, more or less.

Tax Parcel Numbers 19-6s-16-03885-000 and 19-6s-16-03880-000

At the aforementioned public hearing, all interested parties may appear to be heard with respect to the special exception.

Copies of the special exception are available for public inspection at the Office of the County Planner, County Administrative Offices, 135 Northeast Hernando Avenue, Lake City, Florida, during regular business hours.

All persons are advised that if they decide to appeal any decision made at the above referenced public hearing, they will need a record of the proceedings, and that, for such purpose, they may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

In accordance with the Americans with Disabilities Act, persons needing a special accommodation or an interpreter to participate in the proceeding should contact Lisa K. B. Roberts, at least forty-eight (48) hours prior to the date of the hearing. Ms. Roberts may be contacted by telephone at (386)758-1005 or by Telecommunication Device for Deaf at (386)758-2139.

FOR MORE INFORMATION, CONTACT BRANDON M. STUBBS, COMMUNITY DEVELOPMENT COORD AT (386) 754-7119


PUBLIC NOTICE
LAND USE ACTION
4x4