



March 14, 2024

Lee County Development Services  
DEPARTMENT OF COMMUNITY DEVELOPMENT

MarySue Groth, Planner  
Zoning Section

RE: Response to 2<sup>nd</sup> Review Comments  
**New Post Road – Self Storage Facility**  
**DCI2023-00013**

The following is our response to staff's 2<sup>nd</sup> review comments for above referenced project:

**Legal**

§34-202(a). Submittal requirements for applications requiring public hearing.

1. (6) Please provide a boundary survey in accordance with the requirements of Lee County LDC §34-202(a)(6).
  - The survey must be based upon the title certification submitted in accord with §34-201(a)(7). The boundary survey must reference the acceptable title certification and the content should match.

***Response: Please see revised Boundary Survey and Title Certificate. The new Survey is based upon the Title Certification.***

2. (7) Please provide a title certification in accordance with the requirements of Lee County LDC §34-202(a)(7).
  - Document submitted needs to be one of the forms listed in LDC §34-202(a)(7)(a) with required content included. A commitment for title insurance is not an acceptable form.

***Response: Please see included Title Certificate and revised Boundary Survey.***

3. §34-202(a)(7). a. Form. The certification of title must be in one of the following forms:
  - i. Title certificate or title opinion, no greater than 90 days old at the time of the initial application submittal. The title certification submittal must be either an opinion of title meeting the Florida Bar Standards prepared by a licensed Florida attorney or a certification of title/title certification prepared by a title abstractor or company.
  - ii. Title insurance policy with appropriate schedules, no greater than five years old at the time of the initial zoning case submittal and an affidavit of no change covering the period of time between issuance of the policy and the application date. If submission of a complete affidavit of no change is not possible, a title certificate, or title opinion must be submitted in the alternative.

***Response: Please see included Title Certificate.***

4. Please provide an updated boundary survey and title certification.

***Response: Please see included Title Certificate and revised Boundary Survey.***

**Planning**

1. The application and Master Concept Plan state that the Future Land Use category is Moderate Density Residential. Please update to be consistent with the correct Future Land Use category of Central Urban as analyzed in the narrative.

***Response: Please see revised Planned Development Application.***

2. Please provide an analysis of Lee Plan Policy 5.1.5.

***Response: Please see revised MPD Analysis Letter including an analysis of Lee Plan policy 5.1.5.***

**Environmental**

1. Please label the width and content of the buffers on the MCP per LDC 34-373.

***Response: Please see revised Master Concept Plan showing the width and content of Landscape buffers.***

2. Please provide a soils map per 34-373.

***Response: Please see included soils map.***

3. Please provide a transect map depicting the methodology the environmental consultant utilized. Please note the Lee county approved methodology is within ordinance 89-34.

***Response: Please see revised Environmental assessment survey including a map of the transects used by the environmentalist.***

4. Please indicate if the buffers are located outside of the easement areas, per 10-421 of the LDC.

***Response: Please see revised Master Concept Plan showing landscape buffers outside of all easements.***

5. Please indicate why a 5-foot buffer is being proposed on half of the west boundary, and a 50-foot buffer on the rest. Please clarify.

***Response: Please see revised Master Concept Plan describing each buffer width and type, as well as descriptions for the adjacent property's zoning designation which determines the required buffer. A 5' wide buffer is proposed on half of the west boundary to screen from the abutting commercial use. A 50' wide buffer is proposed on the remaining half to screen from the abutting residential use.***

6. Please note that staff reserves the right to add additional comments throughout the submittals.

***Response: Acknowledged.***

**Solid Waste**

1. Proposed dumpster enclosure does not appear to provide sufficient accessibility. In order to meet the recommended 65' of unobstructed collection access, consider either adjusting the accessibility angle or relocating.

***Response: Please see revised Master Concept Plan listing the proposed Deviation for the dumpster enclosure requirements.***

**Natural Resources**

1. Through discussion and existing drainage exhibit, please clarify how offsite flows will be maintained for the adjacent properties. [LP Policy 126.1.4]

***Response: Please see revised Master Concept Plan showing the existing 40' wide drainage easement on the west side of property to remain, and not be impacted by the development. Also, a drainage conveyance swale is proposed between the property line and perimeter berm to direct stormwater runoff away from adjacent properties. Existing off-site flows will be maintained for the adjacent properties.***

2. This project is located within a watershed impaired for Enterococci, iron, and nitrogen. Please demonstrate how the proposed project will address water quality for these specific impairments. [LP Policies 125.1.2 & 126.1.4]

***Response: Please see included site-specific pollutant loading analysis report. Based on the calculations using the BMP Trains Software, the proposed activities will increase nutrient loading. However, the retention/detention provides adequate nutrient loading removal for the proposed development.***

Please contact our office if you have any questions,

Sincerely,

**Andres Boral, PE, MBA**  
**Florida License Number: 80373**

Boral Engineering & Design, Inc.  
[andres@boralengineering.com](mailto:andres@boralengineering.com)



# APPLICATION FOR PLANNED DEVELOPMENT PUBLIC HEARING UNINCORPORATED AREAS ONLY

**Project Name:** New Post Rd. Self-Storage Facility

**Request:** Rezone from: C-1A To: MPD

Type: ☐ Major PD ☒ Minor PD ☐ DRI w/Rezoning ☐ PRFPD  
☐ Major PD Amendment ☐ Minor PD Amendment

**Bonus Density included?** ☒ NO ☐ YES<sup>1</sup> for: \_\_\_\_\_ Bonus Units

<sup>1</sup> If YES, submit additional fee required by LDC 2-147(A)(3)

## Summary of Project:

This subject parcel is ±127,817 sq. ft. (2.93 ac.) and is currently a vacant uncleared parcel. The project proposes (1) Self-Storage Warehouse bldg. and other site improvements such as a parking lot, solid waste enclosure, a storm-water management system, potable water and sanitary sewer utility connections, site landscaping, buffering and site lighting.

## PART 1 APPLICANT/AGENT INFORMATION

**A. Name of Applicant:** Andres Boral  
**Address:** 23150 Fashion Drive Ste 230  
**City, State, Zip:** Estero, Florida 33928  
**Phone Number:** 239-692-0509  
**E-mail Address:** Andres@Boralengineering.com

**B. Relationship of Applicant to owner (check one) and provide [Affidavit of Authorization](#) form:**

- ☐ Applicant is the sole owner of the property. [34-201(a)(1)a.1.]
- ☒ Applicant has been authorized by the owner(s) to represent them for this action. [34-202(a)(3)]
- ☐ Application is County initiated. Attach BOCC authorization.

**C. Authorized Agent: (If different than applicant) Name of the person who is to receive all County-initiated correspondence regarding this application. [34-202(a)(4)]**

**1. Company Name:** Boral Engineering & Design, Inc.  
**Contact Person:** Andres Boral  
**Address:** 23150 Fashion Drive Ste 230  
**City, State, Zip:** Estero, Florida 33928  
**Phone Number:** 239-692-0509 **Email:** Andres@Boralengineering.com

**2. [Additional Agent\(s\)](#):** Provide the names of other agents that the County may contact concerning this application. [34-202(a)(4)]

LEE COUNTY COMMUNITY DEVELOPMENT  
 PO BOX 398 (1500 MONROE STREET), FORT MYERS, FL 33902  
 PHONE (239) 533-8585

**PART 2**  
**PROPERTY OWNERSHIP**

**A. Property owner(s):** If multiple owners (corporation, partnership, trust, association), provide a list with owner interest. [34-202(a)(2)]

Name: Michael Essig

Address: 5593 Foxlake Drive

City, State, Zip: North Fort Myers, Florida 33917

Phone Number: 239-470-1986

Email: Michaelessig@yahoo.com

**B. Disclosure of Interest [34-202(a)(2)]:**

☒ Attach [Disclosure of Interest](#) Form.

**C. Multiple parcels:**

☐ Property owners list. [34-202(a)(8)]

☐ Property owners map. [34-202(a)(8)]

**D. Certification of Title and Encumbrances [34-202(a)(7)]**

1. Title certification document, no greater than 90 days old.

2. Date property was acquired by present owner(s): August 9, 2022

**PART 3**  
**PROPERTY INFORMATION**

**A. STRAP Number(s):** [Attach extra sheets if additional space is needed.] [34-203(a)(5)]

36-43-24-00-00013.003A

**B. Street Address of Property:** 2833 New Post Rd, North Fort Myers, FL 33917

**C. Legal Description (must submit) [34-202(a)(5)]:**

☐ Legal description (metes and bounds) (8½"x11") and sealed sketch of the legal description.

**OR**

☒ Legal description (NO metes and bounds) if the property is located within a subdivision platted per F.S. Chapter 177, and is recorded in the Official Records of Lee County under Instruments or Plat Books. ([Click here](#) to see an example of a legal description with no metes and bounds.)

**AND**

**Boundary Survey [34-202(a)(6)]:**

☒ A Boundary survey, tied to the state plane coordinate system.

**OR**

☐ Not required if the property is located within a subdivision platted per F.S. Chapter 177.

**D. Surrounding property owners** (within 500 feet of the perimeter of the subject parcel or portion thereof that is subject of the request):

1. ☒ List of surrounding property owners. [34-202(a)(9)]

2. ☒ Map of surrounding property owners. [34-202(a)(9)]

3. ☒ One set of mailing labels. [34-202(a)(9)]

*Note: When the case is found complete/ sufficient, a new list and mailing labels must be submitted.*

**E. Current Zoning of Property:** C-1A

☐ Provide a list of all Zoning Resolutions and Zoning Approvals applicable to the subject property.

**F. Use(s) of Property:**

1. Current uses of property are: Vacant

2. Intended uses of property are: Self-Storage/Mini-Warehouse

**G. Future Land Use Classification (Lee Plan):**

|               |             |       |            |            |
|---------------|-------------|-------|------------|------------|
| Central Urban | <u>2.93</u> | Acres | <u>100</u> | % of Total |
|               |             | Acres |            | % of Total |
|               |             | Acres |            | % of Total |

**H. Property Dimensions:**

|                                             |                |                      |                      |        |
|---------------------------------------------|----------------|----------------------|----------------------|--------|
| 1. Width (average if irregular parcel):     | <u>±282</u>    | Feet                 |                      |        |
| 2. Depth (average if irregular parcel):     | <u>±452</u>    | Feet                 |                      |        |
| 3. Total area:                              | <u>127,817</u> | Acres or square feet |                      |        |
| 4. Frontage on road or street:              | <u>262.3</u>   | Feet on              | <u>New Post Road</u> | Street |
| 2 <sup>nd</sup> Frontage on road or street: |                | Feet on              |                      | Street |

**I. Planning Communities/Community Plan Area Requirements:** If located in one of the following planning communities/community plan areas, provide a meeting summary document of the required public informational session.

- ☐ Not Applicable  
☐ Captiva Planning Community (Captiva Island). [33-1612(a)&(b); Lee Plan Policy 13.1.7]  
☐ North (Upper) Captiva Community Plan area. [33-1711]  
☐ Boca Grande Planning Community. [Lee Plan Policy 22.1.5]  
☐ Caloosahatchee Shores Community Plan area. [33-1482(a)&(b); Lee Plan Policy 21.6.3]  
☐ Page Park Community Plan area. [33-1203(a) & (b); Lee Plan Policy 27.11.2]  
☐ Palm Beach Boulevard Community Plan area. [Lee Plan Policy 23.5.2]  
☐ Buckingham Planning Community. [Lee Plan Policy 17.7.2]  
☐ Pine Island Planning Community. [33-1004(a) & (b); Lee Plan Policy 14.7.1]  
☐ Lehigh Acres Planning Community. [33-1401(a)&(b); Lee Plan Policy 32.12.2]  
☒ North Fort Myers Planning Community. [33-1532(a)&(b)]  
☐ North Olga Community Plan area. [33-1663(a)&(b)]

**J. Waivers from Application Submission Requirements:** Attach waivers, if any, approved by the Director of Zoning. [34-201(c)]

**PART 4**  
**TYPES OF LAND AREA ON PROPERTY**

|                                                                                            |             |              |              |
|--------------------------------------------------------------------------------------------|-------------|--------------|--------------|
| <b>A. Gross Acres (total area within described parcel)</b>                                 |             | <u>2.93</u>  | <b>Acres</b> |
| 1. Submerged land subject to tidal influence                                               | <u>0</u>    | Acres        |              |
| 2. a. Preserved freshwater wetlands                                                        | <u>0</u>    | Acres        |              |
| b. Impacted wetlands                                                                       | <u>0</u>    | Acres        |              |
| c. Preserved saltwater wetlands                                                            | <u>0</u>    | Acres        |              |
| d. Total wetlands (A.2.a. plus A.2.b. plus A.2.c.)                                         | <u>0</u>    | Acres        |              |
| 3. R-O-W providing access to non-residential uses                                          | <u>0</u>    | Acres        |              |
| 4. Non-residential use areas <sup>(1) (2)</sup>                                            | <u>2.93</u> | Acres        |              |
| <b>B. Total area not eligible as gross residential acreage (Items A.1. + A.3. + A.4.).</b> | <u>2.93</u> | <b>Acres</b> |              |
| <b>C. Gross residential acres. (A minus B) <sup>(3)</sup></b>                              | <u>0</u>    | <b>Acres</b> |              |
| <b>D. Gross residential acres (by Land Use Category)</b>                                   |             |              |              |
| 1. a. Intensive Development – upland                                                       | <u>0</u>    | Acres        |              |
| b. Intensive Development – preserved freshwater wetlands                                   | <u>0</u>    | Acres        |              |
| c. Intensive Development – impacted wetlands                                               | <u>0</u>    | Acres        |              |
| 2. a. Central Urban – upland                                                               | <u>0</u>    | Acres        |              |
| b. Central Urban – preserved freshwater wetlands                                           | <u>0</u>    | Acres        |              |
| c. Central Urban – impacted wetlands                                                       | <u>0</u>    | Acres        |              |
| 3. a. Urban Community or Suburban – upland                                                 | <u>0</u>    | Acres        |              |
| b. Urban Community or Suburban – preserved freshwater wetlands                             | <u>0</u>    | Acres        |              |
| c. Urban Community or Suburban – impacted wetlands                                         | <u>0</u>    | Acres        |              |

|     |    |                                                          |       |       |
|-----|----|----------------------------------------------------------|-------|-------|
| 4.  | a. | Suburban – upland                                        | _____ | Acres |
|     | b. | Suburban – preserved freshwater wetlands                 | _____ | Acres |
|     | c. | Suburban – impacted wetlands                             | _____ | Acres |
| 5.  | a. | Outlying Suburban – upland                               | _____ | Acres |
|     | b. | Outlying Suburban – preserved freshwater wetlands        | _____ | Acres |
|     | c. | Outlying Suburban – impacted wetlands                    | _____ | Acres |
| 6.  | a. | Sub-Outlying Suburban – upland                           | _____ | Acres |
|     | b. | Sub-Outlying Suburban – preserved freshwater wetlands    | _____ | Acres |
|     | c. | Sub-Outlying Suburban – impacted wetlands                | _____ | Acres |
| 7.  | a. | Rural, Outer Island, Rural Community Preserve – upland   | _____ | Acres |
|     | b. | Rural, Outer Island, Rural Community Preserve – wetlands | _____ | Acres |
| 8.  | a. | Open Lands – upland                                      | _____ | Acres |
|     | b. | Open Lands – wetlands                                    | _____ | Acres |
| 9.  | a. | Resource – upland                                        | _____ | Acres |
|     | b. | Resource – wetlands                                      | _____ | Acres |
| 10. | a. | Wetlands                                                 | _____ | Acres |
| 11. | a. | New Community – upland                                   | _____ | Acres |
|     | b. | New Community – wetlands                                 | _____ | Acres |
| 12. | a. | University Community – upland                            | _____ | Acres |
|     | b. | University Community – wetlands                          | _____ | Acres |
| 13. | a. | Coastal Rural – upland                                   | _____ | Acres |
|     | b. | Coastal Rural – wetlands                                 | _____ | Acres |

**TOTAL** (should equal "C" above)

0 **Acres**

**Notes:**

- (1) Lands for commercial, office, industrial uses, natural water bodies, and other non-residential uses must not be included except within the Mixed Use Overlay {see Note (2) below}.
- (2) Within the Mixed Use Overlay, lands for commercial, office, industrial uses, natural water bodies, and other non-residential uses may be included in density calculations {see Lee Plan Objective 4.3}.
- (3) Lands to be used for residential uses including land within the development proposed to be used for streets & street rights of way, utility rights-of-way, public & private parks, recreation & open space, schools, community centers, & facilities such as police, fire & emergency services, sewage & water, drainage, and existing man-made waterbodies.

## PART 5 RESIDENTIAL DEVELOPMENT - PRELIMINARY DENSITY CALCULATIONS

- i. Complete only if living units are proposed in a Future Land Use Category.
- ii. If more than one classification, calculations for each classification must be submitted. Attach extra sheets as necessary.
- iii. If wetlands are located on the property, density calculations are considered preliminary pending a wetlands jurisdictional determination.

**A. Future Land Use Category:** \_\_\_\_\_

|    |                                                                | <b>Lee Plan Table 1(a)</b>   |        |              |
|----|----------------------------------------------------------------|------------------------------|--------|--------------|
|    |                                                                | <b>Max. standard density</b> |        | <b>Units</b> |
| 1. | <b>Standard Units</b>                                          |                              |        |              |
|    | a. Total upland acres (from Part 4, D.)                        | _____ x _____                | equals | _____        |
|    | b. Total preserved freshwater wetlands acres (from Part 4, D.) | _____ x _____                | equals | _____        |
|    | c. Total impacted wetlands acres (from Part 4, D.)             | _____ x _____                | equals | _____        |
|    | d. <b>Total Allowed Standard Units</b> <sup>(1)</sup>          |                              |        | _____        |
| 2. | <b>Bonus Units [2-143]</b>                                     |                              |        |              |
|    | a. Site-built Affordable Housing                               |                              |        | _____        |
|    | b. Transferrable Dwelling Units                                |                              |        | _____        |
|    | c. Sub-total                                                   |                              |        | _____        |
| 3. | <b>Total Permitted Units</b> <sup>(1)</sup>                    |                              |        | _____        |

**Note:**

- (1) Subject to revision if wetlands jurisdictional determination indicates a different acreage of wetlands.

**PART 6  
COMMERCIAL, INDUSTRIAL, MINING, ASSISTED LIVING FACILITIES, HOTELS & MOTELS  
PRELIMINARY INTENSITY CALCUATIONS**

|                                      |                            | Height    | Total Floor Area<br>(Square Feet) |
|--------------------------------------|----------------------------|-----------|-----------------------------------|
| <b>A. Commercial</b>                 |                            |           |                                   |
| 1.                                   | Medical                    |           |                                   |
| 2.                                   | General Office             |           |                                   |
| 3.                                   | Retail                     |           |                                   |
| 4.                                   | Other: <u>Self-Storage</u> | 3-stories | 117,776 sqft                      |
| 5.                                   | <b>TOTAL FLOOR AREA</b>    |           | 117,776 sqft                      |
| <b>B. Industrial</b>                 |                            |           |                                   |
| 1.                                   | Under Roof                 |           |                                   |
| 2.                                   | Not Under Roof             |           |                                   |
| 3.                                   | <b>TOTAL FLOOR AREA</b>    |           | 0                                 |
| <b>C. Mining</b>                     |                            |           |                                   |
| 1.                                   | Area to be excavated       |           | 0                                 |
| <b>D. Assisted Living Facilities</b> |                            |           |                                   |
| 1.                                   | Dependent Living Units     |           |                                   |
| 2.                                   | Independent Living Units   |           |                                   |
| 3.                                   | <b>TOTAL BEDS/UNITS</b>    |           | 0/0                               |
| <b>E. Hotels/Motels (Room Size)</b>  |                            |           |                                   |
| 1.                                   | < 425 sq. ft.              |           |                                   |
| 2.                                   | 426-725 sq. ft.            |           |                                   |
| 3.                                   | 725 < sq. ft.              |           |                                   |
| 4.                                   | <b>TOTAL UNITS</b>         |           | 0                                 |

**PART 7  
ACTION REQUESTED**

- A. Request Statement:** Provide a single narrative explaining the nature of the request and how the property qualifies for the rezoning to a planned development. This narrative should include how the proposed development complies with the Lee Plan, the Land Development Code, and the applicable findings/review criteria set forth in LDC section 34-145(d)(4). This narrative may be utilized by the Board of County Commissioners, Hearing Examiner and staff in establishing a factual basis for the granting or denial of the rezoning. **[34-373(a)(5)]**
- B. Traffic Impact Statement.** A traffic impact statement in a format and to the degree of detail required by the County and in conformance with the adopted Lee County Administrative Code. TIS is not required for an existing development. **[34-373(a)(7)]**
- C. Master Concept Plan:**
- Master Concept Plan, Non-PRFPD:** A graphic illustration (Master Concept Plan) of the proposed development, showing and identifying the information required by LCLDC Section 34-373(a)(6)a. Copies of the Master Concept Plan must be provided in two sizes, 24"x36" and 11"x17", and must be clearly legible and drawn at a scale sufficient to adequately show and identify the required information. In addition to the Master Concept Plan, an open space design plan delineating the indigenous preserves and/or native tree preservation areas as required by LDC Section 10-415(b) must be submitted. **[34-373(a)(6)]**
  - Schedule of Uses:** A schedule of uses keyed to the Master Concept Plan as well as a summary for the entire property including the information required by LCLDC Section 34-373(a)(8)]. **[34-373(a)(8)]**

3. **Schedule of Deviations and Written Justification:** A schedule of deviations and a written justification for each deviation requested as part of the Master Concept Plan accompanied by documentation including sample detail drawings illustrating how each deviation would enhance the achievement of the objectives of the planned development and will not cause a detriment to public interests. The location of each requested deviation must be located/shown on the Master Concept Plan. [34-373(a)(9)]

**D. Bonus Density: [34-202(a)(11)]**

- ☒ Not Applicable  
☐ Bonus Density will be used. Provide the number of Bonus Density units being requested and a narrative of how the request meets the requirements of LDC Section 2-146.

## PART 8 ENVIRONMENTAL REQUIREMENTS

- A. Topography:** Describe the range of surface elevations of the property. Attach a county topographic map (if available) or a USGS quadrangle map showing the subject property. [34-373(a)(4)b.iv.]  
 Existing surface elevations range from  $\pm 5.0$  to  $\pm 8.5$  NAVD.
- 
- B. Sensitive Lands:** Identify any environmentally sensitive lands, including, but not limited to, wetlands (as defined in the LEE Plan Section XII), flowways, creek beds, sand dunes, other unique land forms [see LEE Plan Policy 77.1.1 (2)] or listed species occupied habitat [see LCLDC Section 10-473(f)].  
 No wetlands exist on the property. An existing county drainage easement is present.
- 
- C. Preservation/Conservation of Natural Features:** Describe how the lands listed in PART 6.B. above will be protected by the completed project:  
 Not applicable.
- 
- D. Shoreline Stabilization:** If the project is located adjacent to navigable natural waters, describe the method of shoreline stabilization, if any, being proposed:  
 Not applicable.
- 
- E. Soils Map:** Attach maps drawn at the same scale as the Master Concept Plan marked or overprinted to show the soils classified in accordance with the USDA/SCS System. [34-373(a)(4)b.i.]
- F. FLUCCS Map:** A Florida Land Use, Cover and Classification System (FLUCCS) map, at the same scale as the Master Concept Plan, prepared by an environmental consultant. The FLUCCS map must clearly delineate any Federal and State jurisdictional wetlands and other surface waters, including the total acreage of Federal and State wetlands. [34-373(a)(4)c.]
- G. Rare & Unique Upland Habitat Map:** Maps drawn at the same scale as the Master Concept Plan marked or overprinted to show significant areas of rare and unique upland habitat as defined in the LEE Plan Section XII. [34-373(a)(4)b.iii.]
- H. Existing and Historic Flow-Ways Map:** Map(s) drawn at the same scale as the master concept plan marked or overprinted to show existing and historic flow-ways. [34-373(a)(4)b.v.]

## PART 9 SANITARY SEWER & POTABLE WATER FACILITIES

- A. Special Effluent:** If the discharge of any special effluent is anticipated, please specify what it is and what strategies will be used to deal with its' special characteristics:  
 Not applicable. Project will connect to existing sanitary sewer system in right-of-way.
- 
- B. Private On-Site Facilities:** If a private on-site wastewater treatment and disposal facility is proposed, please provide a detailed description of the system including:
1. Method and degree of treatment:  
 Not applicable.
  2. Quality of the effluent:

3. Expected life of the facility:

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4. Who will operate and maintain the internal collection and treatment facilities:

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5. Receiving bodies or other means of effluent disposal:

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**C. Spray Irrigation:** If spray irrigation will be used, specify:

1. The location and approximate area of the spray fields:  
Not applicable.

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2. Current water table conditions:

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3. Proposed rate of application:

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4. Back-up system capacity:

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**PART 10  
ADDITIONAL REQUIREMENTS**

**A. Major Planned Developments:**

1. **Surface Water Management Plan.** A written description of the surface water management plan as required by LCLDC Section 34-373(b)(1). **[34-373(b)(1)]**
2. **Phasing Program.** If the development is to be constructed in phases or if the Traffic Impact Statement utilized phasing, then a description of the phasing program must be submitted. **[34-373(b)(3)]**
3. **Protected Species Survey.** A protected species survey is required for large developments (as defined in LCLDC Section 10-1) as specified in LCLDC Section 10-473. **[34-373(b)(2)]**

**B. Amendments to Built Planned Developments:** The consent of the owners of the remainder of the original planned development is not required, but these owners must be given notice of the application and other proceedings as if they were owners of property abutting the subject property regardless of their actual proximity to the subject property. Attach proof of notice to other property. **[34-373(c)]**

**C. Development of Regional Impact:** Binding letter of interpretation from DCA or a complete and sufficient ADA. (See also Application for Public Hearing for DRI Form.) **[34-373(d)(9)]**

**D. Private Recreational Facility Planned Developments (PRFPDs):**

1. **Master Concept Plan, PRFPD.** Master Concept Plan showing and identifying information required by LDC Section 34-941(g)(1). Copies of the Master Concept Plan must be provided in two sizes, 24"x36" and 11"x17", and must be clearly legible and drawn at a scale sufficient to adequately show and identify the required information. **[34-941(g)(1)]**
2. **Conceptual Surface Water Management Plan.** A Conceptual Surface Water Management Plan must be submitted. The plan must be viable and take into consideration any natural flowway corridors, cypress heads, natural lakes, and the restoration of impacted natural flowway corridors. **[34-941(d)(3)b.i.1]**
3. **Well Drawdown Information.** If within an area identified as an anticipated drawdown area for existing or future well development, demonstration of compliance with LCLDC Section 34-941(d)(3)d.i & ii. must be provided. **[34-941(d)(3)d.]**
4. **Preliminary Indigenous Restoration Plan.** A Preliminary Indigenous Restoration Plan must be provided if on-site indigenous restoration is being used to meet the indigenous native plant community preservation requirement. **[34-941(e)(5)f.iii.]**

5. **Environmental Assessment.** An Environmental Assessment must be provided which includes, at a minimum, an analysis of the environment, historical and natural resources. **[34-941(g)(2)]**
6. **Demonstration of Compatibility.** Written statements concerning how the applicant will assure the compatibility of the proposed development with nearby land uses (by addressing such things as noise, odor, lighting and visual impacts), and the adequate provision of drainage, fire and safety, transportation, sewage disposal and solid waste disposal must be provided. **[34-941(g)(4)]**
- E. **Potable Water & Central Sewer.** Will the project be connected to potable water and central sewer as part of any development of the property?
- ☒ **YES** (Provide a letter from the appropriate Utility to which the connection(s) are proposed confirming availability of service.) **[34-202(a)(10)]**
- ☐ **NO** (Provide a narrative explaining why the connection is not planned and how the water and sewer needs of the project will be met.) **[34-202(a)(10)]**
- F. **Existing Agricultural Use:** If the property owner intends to continue an existing agricultural use on the property subsequent to the zoning approval, an Existing Agricultural Use Affidavit must be provided. Entitle as "Existing Agricultural Uses at Time of Zoning Application." **[34-202(a)(12)]**
- G. **Flood Hazard:**
- ☒ Not applicable
- ☐ The property is within an Area of Special Flood Hazard as indicated in the Flood Insurance Rate Maps (FIRM)s.
- ☐ The minimum elevation required for the first habitable floor is \_\_\_\_\_ NAVD (MSL)
- H. **Excavations/Blasting:**
- ☒ No blasting will be used in the excavation of lakes or other site elements.
- ☐ If blasting is proposed, provide Information Regarding Proposed Blasting (including soil borings, a map indicating the location of the proposed blasting, and other required information).
- I. **Hazardous Materials Emergency Plan for Port Facilities: [12-110(a)(16)]**
- ☒ Not Applicable
- ☐ Provide a Hazardous materials emergency plan.
- J. **Mobile Home Park: [34-174(h)]**
- ☒ Not Applicable
- ☐ Request includes rezoning of a Mobile Home Park. Provide facts related to the relocation of dislocated owners that meets the requirements of F.S. § 723.083 (1995).
- K. **Airport Zones & Lee County Port Authority (LCPA) Requirements:**
- ☒ Not Applicable
- ☐ Property is located within \_\_\_\_\_ Airport Noise Zone: **[34-1104]**
- ☐ Property is located within Airport Runway Protection Zone. Indicate which Zone below. **[34-1105]**
- ☐ Property is located within Airport Residential and Educational Protection Zone: **[34-1106]**
- ☐ Property is located in an Airport Obstruction Notification Zone and subject to LCPA regulations. **[34-1107]**
- ☐ A Tall Structures Permit is required. **[34-1108]**

| PART 5<br>SUBMITTAL REQUIREMENT CHECKLIST                    |                                     |                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Clearly label your attachments as noted in bold below</i> |                                     |                                                                                                                                                                                                                                                                                                               |
| Copies Required                                              |                                     | SUBMITTAL ITEMS                                                                                                                                                                                                                                                                                               |
| 3                                                            | <input checked="" type="checkbox"/> | Completed application for Public Hearing [34-202(a)(1)]                                                                                                                                                                                                                                                       |
| 1                                                            | <input checked="" type="checkbox"/> | Filing Fee - [34-201(d)]                                                                                                                                                                                                                                                                                      |
| 1                                                            | <input type="checkbox"/>            | Bonus Density Filing Fee - (if applicable) [34-202(a)(11)]                                                                                                                                                                                                                                                    |
| 3                                                            | <input checked="" type="checkbox"/> | <a href="#">Affidavit of Authorization</a> (notarized) Form [34-202(a)(3)]                                                                                                                                                                                                                                    |
| 3                                                            | <input type="checkbox"/>            | <a href="#">Additional Agents</a> [34-202(a)(4)]                                                                                                                                                                                                                                                              |
| 3                                                            | <input type="checkbox"/>            | <b>Multiple Owners List</b> (if applicable) [34-202(a)(2)]                                                                                                                                                                                                                                                    |
| 3                                                            | <input checked="" type="checkbox"/> | <a href="#">Disclosure of Interest</a> Form (multiple owners) [34-202(a)(2)]                                                                                                                                                                                                                                  |
| 3                                                            | <input checked="" type="checkbox"/> | <b>Legal description (must submit)</b> [34-202(a)(5)]                                                                                                                                                                                                                                                         |
|                                                              | <input type="checkbox"/>            | Legal description (metes and bounds) and sealed sketch of legal description                                                                                                                                                                                                                                   |
|                                                              |                                     | <b>OR</b>                                                                                                                                                                                                                                                                                                     |
|                                                              | <input checked="" type="checkbox"/> | Legal description (NO metes and bounds) if the property is located within a subdivision platted per F.S. Chapter 177, and is recorded in the Official Records of Lee County under Instruments or Plat Books. ( <a href="#">Click here</a> to see an example of a legal description with no metes and bounds.) |
| 3                                                            | <input checked="" type="checkbox"/> | <b>Boundary Survey</b> – not required if platted lot (2 originals required) [34-202(a)(6)]                                                                                                                                                                                                                    |
| 3                                                            | <input type="checkbox"/>            | <b>Property Owners list</b> (if applicable) [34-202(a)(8)]                                                                                                                                                                                                                                                    |
| 3                                                            | <input type="checkbox"/>            | <b>Property Owners map</b> (if applicable) [34-202(a)(8)]                                                                                                                                                                                                                                                     |
| 3                                                            | <input checked="" type="checkbox"/> | Confirmation of <b>Ownership/Title Certification</b> [34-202(a)(7)]                                                                                                                                                                                                                                           |
| 3                                                            | <input type="checkbox"/>            | <b>STRAP Numbers</b> (if additional sheet is required) [34-202(a)(5)]                                                                                                                                                                                                                                         |
| 1                                                            | <input checked="" type="checkbox"/> | <b>List of Surrounding Property Owners</b> [34-202(a)(9)]                                                                                                                                                                                                                                                     |
| 1                                                            | <input checked="" type="checkbox"/> | <b>Map of Surrounding Property Owners</b> [34-202(a)(9)]                                                                                                                                                                                                                                                      |
| 1                                                            | <input checked="" type="checkbox"/> | <b>Mailing labels</b> [34-202(a)(9)]                                                                                                                                                                                                                                                                          |
| 3                                                            | <input type="checkbox"/>            | List of <b>Zoning Resolutions</b> and Approvals                                                                                                                                                                                                                                                               |
| 3                                                            | <input type="checkbox"/>            | Summary of <b>Public Informational Session</b> (if applicable)                                                                                                                                                                                                                                                |
| 3                                                            | <input type="checkbox"/>            | <b>Waivers</b> from Application Submission Requirements (if applicable) [34-201(c)]                                                                                                                                                                                                                           |
| 3                                                            | <input type="checkbox"/>            | Preliminary <b>Density</b> Calculations (if applicable)                                                                                                                                                                                                                                                       |
| 3                                                            | <input checked="" type="checkbox"/> | <b>Request Statement</b> [34-373(a)(5)]                                                                                                                                                                                                                                                                       |
| 3                                                            | <input checked="" type="checkbox"/> | Traffic Impact Statement ( <b>TIS</b> ) (not required for existing development) [34-373(a)(7)]                                                                                                                                                                                                                |
| 3                                                            | <input checked="" type="checkbox"/> | Master Concept Plan ( <b>MCP</b> ), <b>Non-PRFPD</b> [34-373(a)(6)]                                                                                                                                                                                                                                           |
| 3                                                            | <input checked="" type="checkbox"/> | <b>Schedule of Uses</b> [34-373(a)(8)]                                                                                                                                                                                                                                                                        |
| 3                                                            | <input checked="" type="checkbox"/> | Schedule of <b>Deviations</b> and Written <b>Justification</b> [34-373(a)(9)]                                                                                                                                                                                                                                 |
| 3                                                            | <input checked="" type="checkbox"/> | <b>Topography</b> (if available) [34-373(a)(4)b.iv.]                                                                                                                                                                                                                                                          |
| 3                                                            | <input checked="" type="checkbox"/> | <b>Soils Map</b> [34-373(a)(4)b.9.]                                                                                                                                                                                                                                                                           |
| 3                                                            | <input checked="" type="checkbox"/> | <b>FLUCCS Map</b> [34-373(a)(4)c.]                                                                                                                                                                                                                                                                            |
| 3                                                            | <input type="checkbox"/>            | Rare & Unique <b>Upland Habitat Map</b> [34-373(a)(4)b.iii.]                                                                                                                                                                                                                                                  |
| 3                                                            | <input checked="" type="checkbox"/> | Existing and Historic <b>Flow-Ways Map</b> [34-373(a)(4)b.v.]                                                                                                                                                                                                                                                 |
| 3                                                            | <input type="checkbox"/>            | <b>Surface Water Management Plan</b> (if applicable) [34-373(b)(1)]                                                                                                                                                                                                                                           |
| 3                                                            | <input type="checkbox"/>            | <b>Phasing Program</b> (if applicable) [34-373(b)(3)]                                                                                                                                                                                                                                                         |
| 3                                                            | <input type="checkbox"/>            | <b>Protected Species Survey</b> (if applicable) [34-373(b)(2)]                                                                                                                                                                                                                                                |
| 3                                                            | <input type="checkbox"/>            | <b>Proof of Notice</b> (if applicable) [34-373(c)]                                                                                                                                                                                                                                                            |

|   |                                     |                                                                                                                                                                                                                             |
|---|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | <input type="checkbox"/>            | <b>Binding Letter</b> from DCA (if applicable) [34-373(d)(9)]                                                                                                                                                               |
| 3 | <input checked="" type="checkbox"/> | Master Concept Plan ( <b>MCP</b> ), <b>PRFPD</b> (if applicable) [34-941(g)(1)]                                                                                                                                             |
| 3 | <input checked="" type="checkbox"/> | <b>Conceptual Surface Water Management Plan</b> (if applicable) [34-941(d)(3)b.i.1)]                                                                                                                                        |
| 3 | <input type="checkbox"/>            | <b>Well Drawdown</b> Information (if applicable) [34-941(d)(3)d.]                                                                                                                                                           |
| 3 | <input type="checkbox"/>            | Preliminary Indigenous <b>Restoration Plan</b> (if applicable) [34-941(e)(5)f.iii.]                                                                                                                                         |
| 3 | <input type="checkbox"/>            | <b>Environmental Assessment</b> (if applicable) [34-941(g)(2)]                                                                                                                                                              |
| 3 | <input type="checkbox"/>            | Demonstration of <b>Compatibility</b> (if applicable) [34-941(g)(4)]                                                                                                                                                        |
| 3 | <input checked="" type="checkbox"/> | <b>Potable Water &amp; Sanitary Sewer.</b> Letter from the appropriate utility entity indicating the utility entity or explanation of how water and sewer needs will be met if connection will not be made. [34-202(a)(10)] |
| 3 | <input type="checkbox"/>            | Existing <b>Agricultural Use Affidavit</b> (if applicable) [34-202(a)(12)]                                                                                                                                                  |
| 3 | <input type="checkbox"/>            | Information Regarding <b>Proposed Blasting</b> (if applicable).                                                                                                                                                             |
| 3 | <input type="checkbox"/>            | Hazardous Materials <b>Emergency Plan</b> (if applicable)                                                                                                                                                                   |
| 3 | <input type="checkbox"/>            | Mobile Home Park <b>Dislocated Owners</b> Information (if applicable) [34-202(b)(4)]                                                                                                                                        |
| 3 | <input type="checkbox"/>            | <b>Tall Structures Permit</b> (if applicable) [34-1108]                                                                                                                                                                     |



December 18, 2023

MarySue Groth, Planner  
Zoning Section  
Lee County Community Development  
PO Box 398 (1500 Monroe Street)  
Fort Myers, Florida 33902

**PROJECT: NEW POST ROAD – SELF-STORAGE FACILITY  
DCI2023-00013**

**SUBJECT: MINOR PLANNED DEVELOPMENT POLICY ANALYSIS**

Dear MarySue Groth,

It is the intent of the property owner, Michael Essig, to request a Minor Planned Development Application Public Hearing for the site construction of a Self-Storage facility on the subject property above referenced.

**PROJECT SCOPE:**

The New Post Road – Self-Storage Facility MPD is a total of 2.93 acres that proposes a single 34,074 square foot three-story building along New Post Road in North Fort Myers. The proposed multi-story building has a total of 102,222 square feet of gross floor area to be classified as a Mini-Warehouse use. There is currently an existing 0.35-acre FDOT drainage easement that runs parallel to the West boundary line within the property that will remain undisturbed. This leaves the site with a total of 2.58 acres of project area to be developed.

The following uses proposed in this development are:

- Mini-Warehouse

The following is an analysis of the applicable Land Development codes from sections 33 and 34 of the Lee County LDC, followed by an analysis of applicable Policies, Goals and Objectives from the Lee County Lee Plan.

**Lee County LDC Section §33- Article VIII: North Fort Myers Planning Community Regulations**

Based on the Lee County LDC Section referenced above, this development is compliant with the following.

1. §33-1542 – Location and Site Standards.
  - a. Any structure other than a single-family, two-family attached or duplex or its associated accessory structure(s) must have a minimum setback of 50 feet between the nearest points on the building and/or structure and an existing large lot residential subdivision.

***Response: See included Master Concept Plan showing compliance with this section, providing a 50-foot setback to the nearest points of the proposed building from the residential developments South of the subject property. Said setback is also proposed with an 8-foot-high perimeter wall 25' feet away and decorative buffer plantings to properly screen the development from the adjacent properties.***

2. §33-1543 – Landscaping.
  - a. Landscape buffers for high density or high intensity development abutting a subdivided lot in an existing large lot residential subdivision must utilize, at a minimum, a 30-foot buffer width.

- b. Landscape berms without walls may be used for multi-family developments. (Not applicable)
- c. The required trees and palms must be clustered in double rows with a minimum of three trees per cluster. Canopy trees must be planted a maximum of 20 feet on center within a cluster. The use of palms within the buffer must be limited to areas adjacent to vehicular access points, as appropriate, for sight clearances. Palms must be planted in staggered heights to a minimum of three palms per cluster, spaced at a maximum of eight feet on-center, with a minimum of a four-foot difference in height between each tree. A maximum spacing of 25 feet between all types of tree clusters must be maintained.
- d. All required shrubs must be a minimum of ten gallons, four feet in height with a three-foot spread, planted four feet on center at installation.

***Response: See included Master Concept Plan showing compliance with requirements in LDC Section §10-416(d)(6) by proposing a 25-foot buffer with an 8-foot-high perimeter wall adjacent to the residential developments South of the subject property. The buffer also includes a 4-foot-high shrub hedge and clustered canopy and palm tree plantings along the vehicular drive that meet the specifications listed in this section, as required to properly screen the development from the adjacent properties.***

- 3. §33-1544 – Entrances, Exits, and Parking Spaces.
  - a. Vehicular entrances and exits are permitted within the 50-foot setback between the high density or high intensity use building and the required 30-foot landscape buffer. Parking spaces, which are not loading, unloading, or servicing the high density or high intensity use, may be placed within the 50-foot setback and may encroach a maximum of 20 feet into the 50-foot setback which is not occupied by any high density or high intensity use building or structure.

***Response: See included Master Concept Plan showing a vehicular entrance/exit along the East property boundary but encroaching into the 50-foot setback, to align the driveway with the respective median opening directly adjacent, along New Post Road.***

- 4. §33-1548 – Interconnections and shared access for new development and redevelopment.
  - a. Commercial and mixed-use development adjacent to one another must provide interconnections for automobile, bicycle, and pedestrian traffic. These regulations apply to new development or redevelopment involving alteration of, or the addition of building square footage, equal to 30 percent or more of existing square footage.

***Response: See included Master Concept Plan showing a proposed 24-foot-wide Cross-Access Easement, drive aisle, and pavement stub-out to allow for future cross-access connection to the adjacent – commercially zoned – parcel, North of the subject property.***

- 5. §33-1582 – Tree Preservation.
  - a. In addition to the requirements to section §10-415(b) all projects with existing native trees must be preserved regardless of project size as follows:
    - i. All development projects must be clustered to preserve open spaces.
    - ii. Preservation of indigenous tree clusters is preferred over individual tree protection. Reasonable efforts to retain individual trees must be made. It is recognized that site design requirements (e.g. fill) may limit the ability to retain some individual trees, and in that case the County will allow the removal of those trees.
    - iii. Healthy sabal palms with eight-foot clear trunk must be relocated in a manner that utilizes appropriate horticulture practices in accordance with Lee County Extension Services brochure Lee 8/2000A and clustered within open space areas.

- iv. Native trees (four- to 15-inch caliper dbh) may be relocated to open space areas when proper horticulture methods (e.g. root pruning; use of anti-transpirants) are utilized to insure the survivability of the trees, and a vegetation removal permit is obtained.
- v. Effort must be made to preserve heritage trees with at least a 20-inch caliper dbh, including but not limited to live oak, South Florida slash pine, or longleaf pine. If a heritage tree must be removed from a site then a replacement tree with a minimum 20-foot height must be planted within an appropriate open space area.
- vi. Native tree preservation must incorporate techniques as established in section §10-420(j).
- vii. Surface water management systems may overlap with native tree preservation areas only where it can be clearly demonstrated that the effects of water management system construction or operation will not cause death or harm to the preserved tree and indigenous plant community of protected species.

***Response: See included Master Concept Plan showing the proposed existing trees to be preserved and protected during construction, as well as replacement trees (20-inch caliper) for the existing Heritage trees affected by the proposed development.***

- b. Infrastructure design must integrate existing trees and the natural character of the land to the greatest extent feasible.

***Response: See included Master Concept Plan showing the proposed site landscaping canopy tree, palms and shrub locations on-site including buffers plantings and locations of existing trees to be preserved.***

#### **Lee County LDC Section §34-145(d)(4): Zoning Matters, Findings / Review Criteria**

Based on the Lee County LDC Section referenced above, this development is compliant with the following.

- 1. Rezoning. The Hearing Examiner must find the request:
  - a. Complies with the Lee Plan;

***Response: See further below included Analysis demonstrating this development remains consist with the applicable policies and objectives found in the Lee County Lee Plan.***

- b. Meets this Code and other applicable County regulations or qualifies for deviations;

***Response: See included Master Concept Plan demonstrating this development's compliance with general Lee County LDC code regulations for commercial developments. No deviations are proposed.***

- c. Is compatible with existing and planned uses in the surrounding area;

***Response: The subject property is located within the Central Urban Future Land Use classification area and has a C-1A Zoning designation. Therefore, the development of a Self-Storage Facility will serve to emphasize the intent for this Future Land Use category to provide the greatest range and highest levels of public services available to the community.***

- d. Will provide access sufficient to support the proposed development intensity;

**Response: This development proposes a vehicular driveway connection onto New Post Rd, as well as a sidewalk extension along New Post Rd right-of-way to support pedestrian traffic. A cross-access easement is also proposed on-site for a future cross-access connection, North of the subject property.**

e. The expected impacts on transportation facilities will be addressed by existing County regulations and conditions of approval;

**Response: See included Master Concept Plan showing proposed improvements to an existing transportation facility at a nearby LeeTran bus stop location, as well as a new ±270-foot sidewalk extension along New Post Rd right-of-way to reinforce pedestrian traffic infrastructure.**

f. Will not adversely affect environmentally critical or sensitive areas and natural resources;

**Response: This development does not propose impacts to any wetlands, waterbodies or any environmentally critical or sensitive areas and/or natural resources. Furthermore, this project proposes a stormwater dry detention system on-site that has been designed in compliance with S.F.W.M.D. criteria. See included Water Quality and Attenuation Calculations pdf for more information.**

g. Will be served by urban services, defined in the Lee Plan. (Located in a Future Urban area category)

**Response: The subject property is located within the Central Urban Future Land Use classification area and has a C-1A Zoning designation. This Future Land Use category facilitates developments for residential, public, commercial, and limited light industrial including mixed use. Thus, the development of a Self-Storage Facility is entitled to be considered as it remains consistent with the intent as defined in Lee County's Lee Plan, as well as the North Fort Myers Community Plan.**

2. Planned Development Rezonings. The Hearing Examiner must also find:

a. The proposed use or mix of uses is appropriate at the proposed location;

**Response: According to the North Fort Myers Community Plan, the Central Urban Future Land Use classification expresses interest in commercial developments that serve to enhance streetscape, sidewalk amenities and interconnections for cross-access traffic within neighborhood centers. Although this development does not have frontage along the main corridor of Bayshore Road the proposed Mini-Warehouse use will serve the neighboring community with a commercial use while also providing attractive landscaping, accessible pedestrian sidewalk and crosswalk paths and improve the connectivity to adjacent commercial developments.**

b. The recommended conditions provide sufficient safeguards to the public interest and are reasonably related to the impacts on the public's interest expected from the proposed development.

**Response: This development proposes improvements to a nearby LeeTran bus stop location, as well as a new ±270-foot sidewalk extension along New Post Rd right-of-way to support pedestrian movement and expected impacts to existing transportation facilities. Also proposed is a 50-foot setback with a 25-foot-wide buffer containing an 8-foot-high perimeter wall and appropriate buffer plantings to properly screen the development and safeguard aesthetic conditions adjacent to residential parcels to the South.**

c. If the application includes deviations pursuant to section 34-373(a)(9):

**Response: No deviations are proposed in this development.**

- d. Mine excavation planned developments: **(Not Applicable)**
- 3. Rezoning to the Environmentally Critical (EC) district. **(Not Applicable)**

**The Lee Plan: Goal 1 – Future Land Use Map**

To maintain and enforce a Future Land Use Map showing the proposed distribution, location, and extent of future land uses by type, density, and intensity in order to protect natural and man-made resources, provide essential services in a cost-effective manner, and discourage urban sprawl. (Ord. No. 94-30)

Objective 1.1: Designate areas with varying intensities on the Future Land Use Map (Map 1-A) that provide for a full range of urban activities. These designations are based upon soil conditions, historic and developing growth patterns, and existing or future availability of public facilities and services. (Ord. No. 17-13)

***Response: Currently, the site resides in the Central Urban Future Land Use category and is also listed with a C-1A zoning designation. Based on Policy 1.1.3, developments in areas under the Central Urban Future Land Use category are intended to have the greatest range and highest levels of public services. It facilitates developments for residential, public, commercial, and limited light industrial including mixed use. Therefore, the development of a Self-Storage Facility is entitled to be considered and remains consistent with the objectives of Lee Plan Goal 1.***

**The Lee Plan: Goal 2 – Growth Management**

To provide for an economically feasible plan which coordinates the location and timing of new development with the provision of infrastructure by government agencies, private utilities, and other sources.

Objective 2.1: Contiguous and compact growth patterns will be promoted through the rezoning process to contain urban sprawl, minimize energy costs, conserve land, water, and natural resources, minimize the cost of services, and prevent development patterns where large tracts of land are by-passed in favor of development more distant from services and existing communities. (Ord. No. 94-30, 00-22)

Objective 2.2: Direct new growth to those portions of the future urban areas where adequate public facilities exist or are assured and where compact and contiguous development patterns can be created. Development orders and permits (as defined in §163.3164, Fla. Stat.) will be granted only when consistent with the provisions of §163.3202(2)(g) and § 163.3180, Fla. Stat. and the concurrency requirements in the LDC. (Ord. No. 94-30, 00-22, 17-19)

***Response: Goal 2 of the Lee Plan evaluates location and timing of new developments in future urban areas to assure adequate public facilities are provided and contiguous development patterns can be created. The Planning Districts Map and Acreage Allocation Table (see map 16, Table 1-B and Policies 1.1.1 and 2.2.2) depicts the proposed distribution, extent, and location of generalized land uses for the year 2030. Considering the site is located within the Central Urban Future Land Use category with a C-1A zoning designation and the current availability of public facilities in the surrounding neighborhood, the request for this commercial development is found consistent with objectives in Lee Plan Goal 2.***

**The Lee Plan: Goal 4 – General Development Standards**

Pursue or maintain land development regulations which protect the public health, safety and welfare, encourage creative site designs and balance development with service availability and protection of natural resources. (Ord. No. 94-30, 07-15, 17-13)

Objective 4.1: Consider water, sewer, and environmental standards during the rezoning process. Ensure the standards are met prior to issuing a local development order. (Ord. No. 17-13)

***Response: In accordance with Standard 4.1.1 and 4.1.2, this development proposes connections to public potable water and sewer utility infrastructure. Therefore, this development is designed to be consistent with the objectives of Lee Plan Goal 4. The site proposes a building with GLFA in excess of 30,000 sqft. and has already obtained confirmation with the appropriate local utility franchisees that sufficient availability and capacity is available to adequately provide the projected potable water and sanitary sewer demands.***

**The Lee Plan: Goal 5 – Residential Land Uses**

To accommodate the projected population of Lee County in the year 2045 in appropriate locations, guided by the Future Land Use Map, and in attractive and safe neighborhoods with a variety of price ranges and housing types. (Ord. No. 94-30, 07-12, 21-09)

Objective 5.1.5: Protect existing and future residential areas from any encroachment of uses that are potentially destructive to the character and integrity of the residential environment. Requests for conventional rezonings will be denied in the event that the buffers provided in the LDC, Chapter 10, are not adequate to address potentially incompatible uses in a satisfactory manner. If such uses are proposed in the form of a Planned Development or special exception and generally applicable development regulations are deemed to be inadequate, conditions will be attached to minimize or eliminate the potential impacts or, where no adequate conditions can be devised, the application will be denied altogether. The LDC will continue to require appropriate buffers for new developments. (Ord. No. 94-30, 99-15, 00-22)

***Response: See included Master Concept Plan showing compliance with buffer yard and landscaping requirements in LDC Section §10-416(d)(6). Proposed is a 25-foot buffer with an 8-foot-high perimeter wall adjacent to the residential developments South of the subject property. The buffer also includes a 4-foot-high shrub hedge and clustered canopy and palm tree plantings along the vehicular drive that meet the specifications listed in this section, as required to properly screen the development from the adjacent properties.***

**The Lee Plan: Goal 6 – Commercial Land Uses**

To permit orderly and well-planned commercial development at appropriate locations within the County. (Ord. No. 94-30)

Objective 6.1: Development approvals for commercial land uses must be consistent with the following policies, the general standards under Goal 4, and other provisions of this plan. (Ord. No. 94-30, 11-18)

***Response: Goal 6 of the Lee Plan establishes objectives and policies to facilitate the permitting of commercial developments in an orderly and well-planned manner. The proposed project will be required***

***and proposes to adhere to the development order process, its guidelines and demonstrate the subject property is compliant with the regulations required for commercial developments in Lee County.***

**The Lee Plan: Goal 30 – North Fort Myers Community Plan**

Improve the livability and economic vitality in the North Fort Myers Community Plan area by: promoting compact, mixed use development in the form of town and neighborhood centers; attracting appropriate investment to revitalize older neighborhoods and commercial corridors; stabilizing and enhancing existing neighborhoods; and preserving natural resources. (Ord. No. 09-11, 18-18)

Objective 30.4: To provide community facilities and services within the Town Centers, Neighborhood Centers and Corridor Overlay Districts. (Ord. No. 09-11, 18-18)

***Response: The subject property is located within the North Fort Myers Planning Community area and is proposed to abide by the local guidelines, criteria and policies for commercial developments listed in the North Fort Myers Community Plan. In addition, this development is proposed to enrich and compliment the current land uses in the surrounding area. This intention is consistent with the objectives in Lee Plan Goal 30.***

**The Lee Plan: Goal 123 – Resource Protection**

Manage coastal, wetland and upland ecosystems and natural resources in order to maintain and enhance native habitats, floral and faunal species diversity, water quality, and natural surface water characteristics.

Objective 123.1: Continue to implement resource management policies and regulations that ensure the long-term protection and enhancement of the natural upland and wetland habitats by retaining the interconnectedness and functionality of the hydroecological systems in order to progress towards a more ecologically productive and sustainable environment. (Ord. No. 94-30, 00-22, 18-28)

Objective 123.2: Maintain and enhance the biodiversity of the natural plant communities within Lee County to create a more resilient and sustainable ecosystem. (Ord. No. 94-30, 18-28)

Policy 123.2.9: Maintain regulations, incentives, and programs for preserving and planting native plant species and for controlling invasive exotic plants, particularly within environmentally sensitive areas. (Ord. No. 94-30, 18-28)

***Response: There are no wetlands present on-site, and the development does not propose disturbances to any existing environmentally critical or sensitive areas or natural resources. No impacts to existing endangered or protected species are expected per the Environmental Assessment Survey provided. The site has been designed in accordance with S.F.W.M.D. criteria, Lee County land development code requirements and intent has been made to preserve the site's natural upland habitats per the existing pre-development conditions. Also, all landscaping canopy trees, palms and shrubs proposed are Florida native species to preserve and enhance the existing biodiversity on-site. The proposed development plans include language to control and/or remove invasive exotic plant and tree species found on-site.***

**The Lee Plan: Goal 125 – Water Quality**

To ensure that water quality is maintained or improved for the protection of the environment and people of Lee County. (Ord. No. 17-19, 18-28)

Objective 125.1: Maintain high water quality, meeting or exceeding state and federal water quality standards. (Ord. No.18-28)

***Response: The proposed project is consistent with the objectives of Lee Plan Goal 125 by providing the required water quality and attenuations per the S.F.W.M.D. criteria and Lee County land development code requirements. The proposed project stormwater discharge is regulated per a proposed control structure to ensure water treatment prior to its discharge into County maintained stormwater drainage systems. As per Policy 125.1.2, this development will not degrade surface and ground water quality.***

**The Lee Plan: Goal 126 – Water Resources**

Conserve, manage, and protect and natural hydrologic systems of Lee County to ensure continued water resource availability. (Ord. No. 94-30, 18-28)

Objective 126.1: Ensure water supplies of sufficient quantity and quality to meet the present and projected demands of consumers based on the capacity of the environment. (Ord. No. 18-28)

***Response: The proposed project is consistent with the objectives of Lee Plan Goal 126 by proposing a stormwater dry detention system on-site – compliant with S.F.W.M.D. criteria and Lee County land development code requirements – that conveys stormwater runoff via a system of berms, swales and an outfall control structure that discharges below the dry detention system bottom. As per Policy 126.1.4, this development provides a system that regulates and maintains surface water flows and groundwater levels at or above the existing conditions.***

Overall, the proposed request complies with the applicable Land Development provisions found in sections §33 & 34 of the Lee County LDC, as well as the intents of applicable Policies & Goals listed in the Lee County Lee Plan.

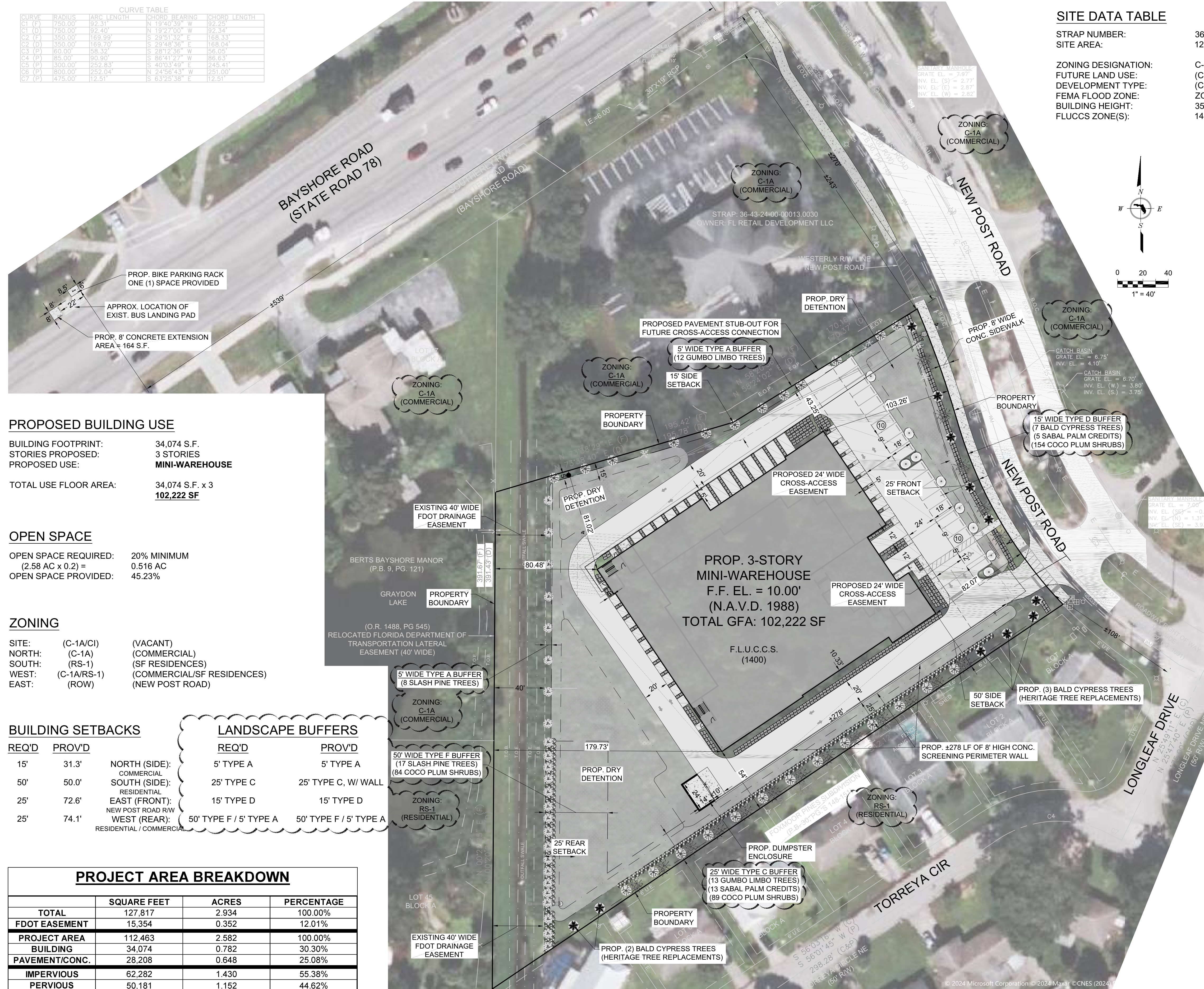
Sincerely,

**Boral Engineering & Design, Inc.**

Andres Boral, P.E.

Florida License Number: 80373

| CURVE TABLE |          |            |               |              |
|-------------|----------|------------|---------------|--------------|
| CURVE       | RADIUS   | ARC LENGTH | CHORD BEARING | CHORD LENGTH |
| C1 (F)      | 750.00'  | 92.31'     | N 19°40'39" W | 92.25'       |
| C1 (D)      | 750.00'  | 92.40'     | N 19°27'00" W | 92.34'       |
| C2 (F)      | 350.00'  | 169.99'    | S 29°41'52" E | 168.33'      |
| C2 (D)      | 350.00'  | 169.70'    | S 29°48'36" E | 168.04'      |
| C3 (P)      | 60.00'   | 58.32'     | S 28°12'36" W | 56.05'       |
| C4 (P)      | 85.00'   | 90.90'     | S 86°41'27" W | 86.63'       |
| C5 (P)      | 300.00'  | 252.83'    | S 40°03'49" E | 245.41'      |
| C6 (P)      | 800.00'  | 252.04'    | N 24°56'43" W | 251.00'      |
| C7 (P)      | 1475.00' | 12.51'     | S 63°25'38" E | 12.51'       |

**SITE DATA TABLE**STRAP NUMBER:  
SITE AREA:36-43-24-00-00013.003A  
127,817 SF (±2.93 AC)ZONING DESIGNATION:  
FUTURE LAND USE:  
DEVELOPMENT TYPE:  
FEMA FLOOD ZONE:  
BUILDING HEIGHT:  
FLUCCS ZONE(S):C-1A (EXIST.) / C1 (PROP.)  
(CENTRAL URBAN)  
(COMMERCIAL)  
ZONE 'X'  
35'  
1400 - COMMERCIAL & SERVICES**PROPOSED PLANT LIST**

| NATIVE | SYMBOL | QTY | SPECIES                                                                  | SIZE & SPEC.                                                        |
|--------|--------|-----|--------------------------------------------------------------------------|---------------------------------------------------------------------|
| Y      |        | 532 | COCOPLUM (#3 SHRUBS)<br><i>Chrysobalanus icaco</i><br>OR APPROVED EQUAL  | 3 GAL @ 36" OC<br>24" HEIGHT MIN                                    |
| Y      |        | 173 | COCOPLUM (#10 SHRUBS)<br><i>Chrysobalanus icaco</i><br>OR APPROVED EQUAL | 10 GAL @ 48" OC<br>48" HEIGHT MIN                                   |
| Y      |        | 10  | EAGLESTON HOLLY<br><i>Ilex x attenuata 'Eagleston'</i>                   | 2.0" DBH MIN<br>10' HEIGHT MIN<br>4" SPREAD MIN                     |
| Y      |        | 25  | GUMBO LIMBO<br><i>Bursera simaruba</i>                                   | 2.0" DBH MIN<br>10' HEIGHT MIN<br>4" SPREAD MIN                     |
| Y      |        | 12  | BALD CYPRESS<br><i>Taxodium distichum</i>                                | 2.0" DBH MIN<br>10' HEIGHT MIN &<br>20' HEIGHT MIN<br>4" SPREAD MIN |
| Y      |        | 25  | FLORIDA SLASH PINE<br><i>Pinus Elliottii</i>                             | 2.0" DBH MIN<br>10' HEIGHT MIN                                      |
| Y      |        | 54  | SABAL PALM<br><i>Sabal Palmetto</i>                                      | 2.0" DBH MIN<br>10' HEIGHT MIN<br>10' CLEAR TRUNK MIN.              |

**EXISTING PLANT LIST**

| NATIVE | SYMBOL | QTY | SPECIES    | SIZE & SPEC. |
|--------|--------|-----|------------|--------------|
| Y      |        | 2   | PINE TREE  | 15" DIAMETER |
| Y      |        | 1   | PINE TREE  | 18" DIAMETER |
| Y      |        | 4   | SABAL PALM | 12" DIAMETER |

**PROPOSED DEVIATIONS**ADD2024-00023  
- ADMINISTRATIVE DEVIATION FROM LDC §10-261  
(REFUSE AND SOLID WASTE DISPOSAL FACILITIES)**LAND DEVELOPMENT REGULATIONS**THIS DEVELOPMENT HAS BEEN DESIGNED IN ACCORDANCE  
WITH THE FOLLOWING SECTION:- LEE COUNTY LDC CHAPTER 33, ARTICLE VIII:  
NORTH FORT MYERS PLANNING COMMUNITY  
DIVISION 2 - NORTH FORT MYERS COMMUNITY WIDE LAND  
DEVELOPMENT PROVISIONS**REFUSE & SOLID WASTE CALCULATIONS**

| COMMERCIAL<br>BUSINESS<br>BUILDING SQ. FT. | MINIMUM SQ. FT.<br>FOR GARBAGE<br>COLLECTION | MINIMUM SQ. FT.<br>FOR RECYCLABLE<br>COLLECTION |
|--------------------------------------------|----------------------------------------------|-------------------------------------------------|
| 25,000+                                    | 120                                          | 96                                              |
| TOTAL REQUIRED =                           |                                              | 120 + 96 = 216 SQ. FT.                          |
| TOTAL PROVIDED =                           |                                              | 24.00' X 14.00' = 336.00 SQ. FT.                |

**PROPOSED BUILDING USE**BUILDING FOOTPRINT: 34,074 S.F.  
STORIES PROPOSED: 3 STORIES  
PROPOSED USE: **MINI-WAREHOUSE**TOTAL USE FLOOR AREA: 34,074 S.F. x 3  
**102,222 SF****OPEN SPACE**OPEN SPACE REQUIRED: 20% MINIMUM  
(2.58 AC x 0.2) = 0.516 AC  
OPEN SPACE PROVIDED: 45.23%**ZONING**SITE: (C-1A/C1) (VACANT)  
NORTH: (C-1A) (COMMERCIAL)  
SOUTH: (RS-1) (SF RESIDENCES)  
WEST: (C-1A/RS-1) (COMMERCIAL/SF RESIDENCES)  
EAST: (ROW) (NEW POST ROAD)**BUILDING SETBACKS**

| REQ'D | PROV'D | REQ'D                                    | PROV'D                 |
|-------|--------|------------------------------------------|------------------------|
| 15'   | 31.3'  | NORTH (SIDE):<br>COMMERCIAL              | 5' TYPE A              |
| 50'   | 50.0'  | SOUTH (SIDE):<br>RESIDENTIAL             | 25' TYPE C, W/ WALL    |
| 25'   | 72.6'  | EAST (FRONT):<br>NEW POST ROAD R/W       | 15' TYPE D             |
| 25'   | 74.1'  | WEST (REAR):<br>RESIDENTIAL / COMMERCIAL | 50' TYPE F / 5' TYPE A |

**LANDSCAPE BUFFERS**

| REQ'D                  | PROV'D                 |
|------------------------|------------------------|
| 5' TYPE A              | 5' TYPE A              |
| 25' TYPE C             | 25' TYPE C, W/ WALL    |
| 15' TYPE D             | 15' TYPE D             |
| 50' TYPE F / 5' TYPE A | 50' TYPE F / 5' TYPE A |

**PROJECT AREA BREAKDOWN**

|                | SQUARE FEET | ACRES | PERCENTAGE |
|----------------|-------------|-------|------------|
| TOTAL          | 127,817     | 2.934 | 100.00%    |
| FDOT EASEMENT  | 15,354      | 0.352 | 12.01%     |
| PROJECT AREA   | 112,463     | 2.582 | 100.00%    |
| BUILDING       | 34,074      | 0.782 | 30.30%     |
| PAVEMENT/CONC. | 28,208      | 0.648 | 25.08%     |
| IMPERVIOUS     | 62,282      | 1.430 | 55.38%     |
| PERVIOUS       | 50,181      | 1.152 | 44.62%     |

|                       |                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT:              | 22-122                                                                                                                                                   |
| DATE:                 | 09/22                                                                                                                                                    |
| OWNER:                | ANDRES BORAL, PE, MBA<br>LICENSE # 80372 FPE # 31552<br>23150 FASHION DR., SUITE 200, ESTERO FL 33928<br>ANDRES@BORALENGINEERING.COM<br>(P) 239-692-0509 |
| OWNER:                | MICHAEL ESSIG<br>NORTH FORT MYERS, FL 33917<br>WWW.BORALENGINEERING.COM                                                                                  |
| REVISION DESCRIPTION: | REVISED PER MPD 2ND REVIEW COMMENTS                                                                                                                      |
| BY:                   | JB                                                                                                                                                       |
| DATE:                 | 03/01/2024                                                                                                                                               |
| PROJECT:              | NEW POST ROAD<br>SELF-STORAGE FACILITY<br>NORTH FORT MYERS,<br>FLORIDA 33917                                                                             |
| MASTER CONCEPT        | PLAN                                                                                                                                                     |
| SHEET                 | 1 OF 1                                                                                                                                                   |

SURVEYORS NOTES  
THIS PLAT OF THE HEREON DESCRIBED PROPERTY IS A TRUE AND CORRECT PRESENTATION OF A RECENT SURVEY MADE UNDER AND PLATED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF MEETS THE MINIMUM TECHNICAL STANDARDS ADOPTED BY THE STATE OF FLORIDA AS PER CHAPTER 54-17, FLORIDA ADMINISTRATIVE CODE PURSUANT TO CHAPTER 427, FLORIDA STATUTES.

THIS SURVEY WAS PERFORMED BASED ON A DESCRIPTION ISSUED VERBALLY BY THE CLIENT AND WITH THE BENEFIT OF A TITLE COMMITMENT FROM ALLIANT NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NUMBER: 20076132, DATED JULY 14, 2022 AT 6:00 AM.

SUBJECT TO EASEMENTS, RESTRICTIONS AND RESERVATIONS OF RECORD.

THERE ARE NO VISIBLE ENCROACHMENTS EXCEPT THOSE SHOWN.

BEARINGS AND COORDINATES SHOWN ARE ON STATE PLANE, FLORIDA WEST ZONE.

BEARINGS ARE BASED ON THE WEST LINE OF OF THE SOUTHEAST 1/4 OF SECTION 36, TOWNSHIP 43 SOUTH, RANGE 24 EAST BEING N 00°22'25" E.

ELEVATIONS SHOWN, IF ANY, HAVE BEEN SURVEYED FROM DATA DERIVED FROM NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88). ELEVATIONS ARE BASED UPON TIES TO THE FLORIDA DEPARTMENT OF TRANSPORTATION PERMANENT CONTROL NETWORK AND A FLORIDA DEPARTMENT OF TRANSPORTATION BENCHMARK BEING A 4"x4" CONCRETE MONUMENT WITH ALUMINUM DISK STAMPED "BM 101", ELEVATION=10.46' (NAVD88), ROADWAY SECTION ID: 431317-1.

ONLY ABOVE GROUND EVIDENCE OF UNDERGROUND UTILITIES SHOWN.

THIS SURVEY DOES NOT DETERMINE OR REFLECT OWNERSHIP, TITLE, ZONING OR FREEDOM FROM ENCUMBRANCES AND IS ONLY FOR THE LANDS DESCRIBED.

THIS SURVEY IS FOR THE SOLE PURPOSES INTENDED BY THE SURVEYOR AND ONLY FOR THE INDIVIDUALS AND OR INSTITUTIONS LISTED UNDER "CERTIFIED TO".

THE FLORIDA DEPARTMENT OF TRANSPORTATION PERMANENT CONTROL NETWORK WAS UTILIZED ON THIS BOUNDARY SURVEY AND THE DATUM IS NORTH AMERICAN DATUM (NAVD83) - ACCURACY IS 1-2 CENTIMETER. THE STATED VERTICAL ACCURACY IS 2-3 CENTIMETER. MEASURED BEARINGS ARE STATE PLANE, FLORIDA WEST ZONE.

#### LEGEND:

- |          |                                      |
|----------|--------------------------------------|
| A.C.     | AIR CONDITIONER                      |
| B.O.C.   | BACK OF CURB                         |
| (C)      | CALCULATED                           |
| CB       | CATCH BASIN                          |
| C.B.     | CHORD BEARING                        |
| CH       | CHORD DISTANCE                       |
| C.O.     | CLEAN OUT                            |
| COR.     | CORNER                               |
| COP      | CORROGATED PLASTIC PIPE              |
| CONC.    | CONCRETE                             |
| (D)      | DRAINAGE EASEMENT                    |
| D.E.     | DEED                                 |
| B.O.B.   | BASIS OF BEARINGS                    |
| D.U.E.   | DRAINAGE AND UTILITY EASEMENT        |
| ELEV.    | ELEVATION                            |
| E.O.P.   | EDGE OF PAVEMENT                     |
| FDC      | FIRE DIRECT CONNECT                  |
| (F)      | FIELD                                |
| (F&D)    | FIELD AND DEED                       |
| FND.     | FOUND                                |
| G.E.     | GRATE ELEVATION                      |
| GV       | GATE VALVE                           |
| ID.      | IDENTIFICATION                       |
| (I.E.)   | INVERT ELEVATION                     |
| (F&D)    | FIELD AND DEED                       |
| FF       | FINISHED FLOOR                       |
| FIR      | FOUND IRON ROD                       |
| FIRC     | FOUND IRON ROD AND CAP               |
| FNC.     | FENCE                                |
| G.W.     | GUY WIRE                             |
| (M)      | MEASURED                             |
| MES      | METERED END SECTION                  |
| N&D      | NAIL & DISK                          |
| N.A.V.D. | NORTH AMERICAN VERTICAL DATUM (1988) |
| N.T.S.   | NOT TO SCALE                         |
| (NR)     | NOT RADIAL                           |
| O.R.     | OFFICIAL RECORDS BOOK                |
| (P)      | PLAT                                 |
| P.B.     | PLAT BOOK                            |
| P.C.     | POINT OF CURVATURE                   |
| P.C.C.   | POINT OF COMPOUND CURVATURE          |
| P.C.P.   | PERMANENT CONTROL POINT              |
| P.I.     | POINT OF INTERSECT                   |
| PAG.     | POINT OF BEGINNING                   |
| P.O.B.   | POINT OF COMMENCEMENT                |
| PP       | POWER POLE                           |
| P.R.C.   | POINT OF REVERSE CURVATURE           |
| P.R.M.   | PERMANENT REFERENCE MONUMENT         |
| P.T.     | POINT OF TANGENCY                    |
| P.U.E.   | PUBLIC UTILITY EASEMENT              |
| PVC      | POLYVINYL CHLORIDE                   |
| R        | RADIAL                               |
| (R)      | RADIAL                               |
| RCP      | REINFORCED CONCRETE PIPE             |
| R.E.     | RIM ELEVATION                        |
| RNG.     | RANGE                                |
| R/W      | RIGHT OF WAY                         |
| SEC.     | SECTION                              |
| SIRC     | SET 5/8" IRON ROD "LB 8152"          |
| S.W.     | SIDEWALK                             |
| T.O.B.   | TOP OF BANK                          |
| T.O.E.   | TOE OF BANK                          |
| U.E.     | UTILITY EASEMENT                     |
|          | WELL                                 |
|          | HANDICAP PARKING                     |
|          | ELECTRIC SERVICE CABINET             |
|          | FIRE HYDRANT                         |
|          | WIRE PULL BOX                        |
|          | MANHOLE SEWER                        |
|          | POST FIBER OPTICS                    |
|          | WATER METER                          |
|          | WATER VALVE                          |
|          | PEDESTRIAN SIGNAL                    |
|          | SIGN                                 |
|          | AIR COMPRESSOR                       |
|          | BURIED GAS LINE POST                 |
|          | HIGH VOLTAGE BOX                     |
|          | LIGHT POLE                           |
|          | TELEPHONE PEDESTAL                   |
|          | POWER POLE                           |
|          | GUY ANCHOR                           |
|          | CENTERLINE                           |
|          | FENCE                                |
|          | TRAFFIC CAMERA                       |
|          | TELEPHONE MANHOLE                    |
|          | OVERHEAD WIRES                       |
|          | BACK FLOW PREVENTOR                  |
|          | EXISTING ELEVATION                   |
- TREE SYMBOLS**
- |  |       |
|--|-------|
|  | OAK   |
|  | PINE  |
|  | SABLE |



LOCATION SKETCH  
(NOT TO SCALE)

#### LEGAL DESCRIPTION:

A TRACT OF LAND LYING IN THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 43 SOUTH, RANGE 24 EAST, LEE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER (SE 1/4) OF SAID SECTION 36, THENCE RUN NORTH 00° 20' 25" EAST ALONG THE WEST LINE OF SAID SOUTHEAST QUARTER (SE 1/4) FOR 1123.18 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE NORTH 00° 20' 25" EAST ALONG SAID WEST LINE FOR 391.43 FEET; THENCE RUN NORTH 73° 38' 40" EAST FOR 195.78 FEET; THENCE RUN NORTH 58° 24' 02" EAST FOR 170.37 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF NEW POST ROAD; THENCE RUN SOUTHEASTERLY FOR 92.42 FEET ALONG SAID WESTERLY LINE ON THE ARC OF A CURVE CONCAVE SOUTHWESTERLY HAVING A RADIUS OF 750.00 FEET (CHORD BEARING SOUTH 19° 27' 00" EAST, CHORD DISTANCE OF 92.34 (FEET) TO A POINT OF REVERSE CURVATURE; THENCE SOUTHEASTERLY ALONG SAID WESTERLY LINE FOR 169.70 FEET ON THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 350.00 FEET (CHORD BEARING SOUTH 29° 48' 36" EAST, CHORD DISTANCE OF 168.04 FEET) THENCE RUN SOUTH 56° 01' 45" WEST 542.12 FEET TO THE POINT OF BEGINNING.

#### SCHEDULE B - PART II

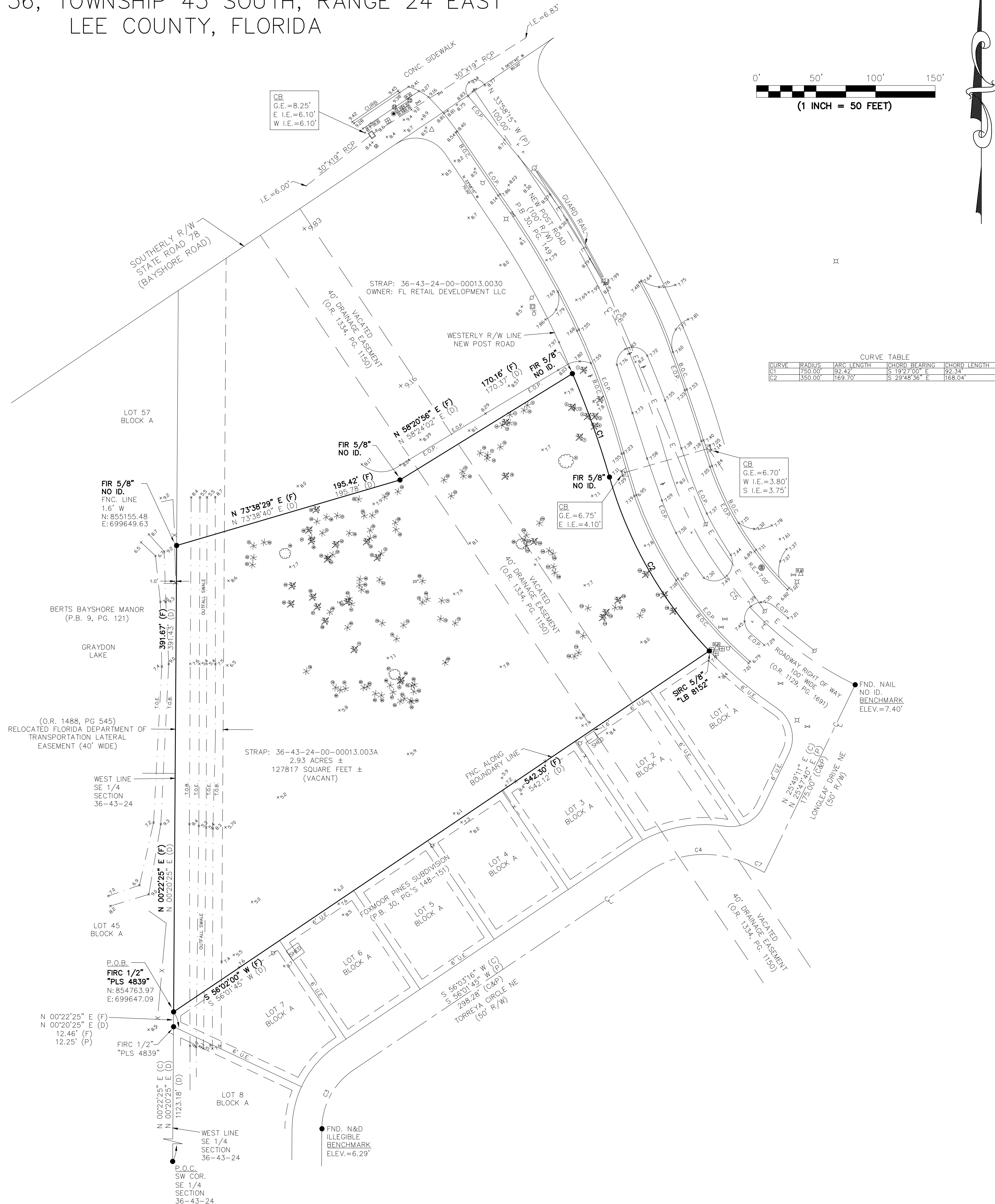
##### EXCEPTIONS

- DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE EFFECTIVE DATE HEREOF BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS COMMITMENT. (NOT A MATTER OF SURVEY)
- RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS. (NOT A MATTER OF SURVEY)
- EASEMENTS OR CLAIMS OF EASEMENTS NOT SHOWN BY THE PUBLIC RECORDS. (NOT A MATTER OF SURVEY)
- DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, ENCROACHMENTS, OVERLAPS, VARIATIONS OR SHORTAGE IN AREA OR CONTENT, PARTY WALLS AND ANY OTHER MATTERS THAT WOULD BE DISCLOSED BY A CORRECT SURVEY AND/OR PHYSICAL INSPECTION OF THE LAND. (AFFECTS PARCEL, SHOWN ON SURVEY)
- ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR, OR MATERIALS HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS. (NOT A MATTER OF SURVEY)
- ALL TAXES, ASSESSMENTS, LEVIES AND CHARGES, WHICH CONSTITUTE LIENS OR ARE DUE OR PAYABLE INCLUDING UNREDEEMED TAX SALES. (NOT A MATTER OF SURVEY)
- TAXES AND ASSESSMENTS FOR THE YEAR 2022 AND SUBSEQUENT YEARS WHICH ARE NOT YET DUE AND PAYABLE. (NOT A MATTER OF SURVEY)
- ANY LIEN PROVIDED BY CHAPTER 159, FLORIDA STATUTES, IN FAVOR OF ANY CITY, TOWN, VILLAGE, OR PORT AUTHORITY FOR UNPAID SERVICE CHARGES FOR SERVICE BY ANY WATER SYSTEMS, SEWER SYSTEMS OR GAS SYSTEMS SERVING THE LANDS DESCRIBED HEREIN.
- DRAINAGE EASEMENT GRANTED AND RECORDED IN DEED BOOK 283, PAGE 290, AS AFFECTED BY RESOLUTION OF VACATION OF DRAINAGE EASEMENT (RETAINING A SIX FOOT UTILITY EASEMENT ALONG EACH BOUNDARY) AS RECORDED IN OFFICIAL RECORDS BOOK 1334, PAGE 1150, PUBLIC RECORDS OF LEE COUNTY, FLORIDA. (AFFECTS PARCEL, SHOWN ON SURVEY)
- EASEMENT AGREEMENT FOR INGRESS-EGRESS AS RECORDED IN OFFICIAL RECORDS BOOK 1129, PAGE 1685, OFFICIAL RECORDS BOOK 1129, PAGE 1691, PUBLIC RECORDS OF LEE COUNTY, FLORIDA. (AFFECTS PARCEL, SHOWN ON SURVEY)
- SEWAGE TREATMENT SERVICE AGREEMENT RECORDED IN OFFICIAL RECORDS BOOK 1172, PAGE 2068, PUBLIC RECORDS OF LEE COUNTY, FLORIDA. (NOT A MATTER OF SURVEY)
- LEE COUNTY ELECTRIC COOPERATIVE EASEMENT GRANTED AND RECORDED IN OFFICIAL RECORDS BOOK 1507, PAGE 1091, PUBLIC RECORDS OF LEE COUNTY, FLORIDA. (BLANKET EASEMENT, NOT PLOTTABLE) NOTE: LEGAL DESCRIPTION IS MISSING SURVEY DATA.
- RESERVATION OF LATERAL EASEMENT (DITCH RIGHT OF WAY) ALONG WESTERLY 40 FEET IN OFFICIAL RECORDS BOOK 1488, PAGE 549, PUBLIC RECORDS OF LEE COUNTY, FLORIDA. (AFFECTS PARCEL, SHOWN ON SURVEY)

**CERTIFIED TO:**  
**MICHAEL ESSIG**

**ADDRESS:**  
**NEW POST ROAD**  
**NORTH FORT MYERS, FL 33917**

## BOUNDARY AND TOPOGRAPHIC SURVEY LYING IN SECTION 36, TOWNSHIP 43 SOUTH, RANGE 24 EAST LEE COUNTY, FLORIDA



KP SURVEYING, INC.

LB 8152

2802 W. CYPRESS AVENUE  
FT. MYERS, FLORIDA 33905  
(239) 462-1901

FIELD SURVEY 06/22/2022 & 02/23/2023

CREW CHIEF K. PUFAHL

DRAWN BY KP

SCALE 1"=50'

KP JOB NO 22-0142

SHEET: 1 OF 1 DATE: 02/28/2023

APPROVED  
Digitally signed by KENNETH  
KENNETH PUFAHL  
Date: 2023.07.06 15:45:36 -0400

REGISTERED LAND SURVEYOR PSM #6126  
STATE OF FLORIDA

2802 WEST CYPRESS AVENUE  
FORT MYERS, FL 33905

VALID ONLY WITH EMBOSSED SEAL OR DIGITAL SIGNATURE



ALLIANT NATIONAL  
TITLE INSURANCE COMPANY

Agent File Number: 2022-1816A

Alliant File Number: 20093347

## TITLE CERTIFICATION

January 23, 2024

Certified to: Lee County Board of County Commissioners

Re: 2022-1816A

Search Effective: January 19, 2024 at 8:00 AM

**Owner of Record:** Michael Essig

By Virtue of: Warranty Deed recorded in Official Records Instrument Number 2022000263415 of the Public Records of Lee County, Florida.

### Legal Description:

A Tract of land lying in the Southeast Quarter (SE 1/4) of Section 36, Township 43 South, Range 24 East, Lee County, Florida, being more particularly described as follows:

Commencing at the Southwest corner of the Southeast Quarter (SE 1/4) of said Section 36, thence run North 00° 20' 25" East along the West line of said Southeast Quarter (SE 1/4) for 1123.18 feet to the Point of Beginning; thence continue North 00° 20' 25" East along said West line for 391.43 feet; thence run North 73° 38' 40" East for 195.78 feet; thence run North 58° 24' 02" East for 170.37 feet to a point on the Westerly right of way line of New Post Road; thence run Southeasterly for 92.42 feet along said Westerly line on the arc of a curve concave Southwesterly having a radius of 750.00 feet (chord bearing South 19° 27' 00" East, chord distance of 92.34 (feet) to a point of reverse curvature; thence Southeasterly along said Westerly line for 169.70 feet on the arc of a curve to the left having a radius of 350.00 feet (chord bearing South 29° 48' 36" East, chord distance of 168.04 feet) thence run South 56° 01' 45" West 542.12 feet to the Point of Beginning.

**Mortgage Information:** NONE

**Judgment and Lien Information:** NONE

### Tax Information:

2023 Tax Year Parcel/Folio No.: 36-43-24-00-00013.003A Gross Tax Amount: \$6,944.54

Status of 2023 Taxes: PAID



ALLIANT NATIONAL  
TITLE INSURANCE COMPANY

Agent File Number: 2022-1816A

Alliant File Number: 20093347

## TITLE CERTIFICATION

**The following are all easements and rights of way affecting the property:**

Drainage Easement recorded in Deed Book 283, page 290 of the Public Records of Lee County, Florida.

Easement Agreement for Ingress-Egress as recorded in Official Records Book 1129 page 1685, Official Records Book 1129, page 1691, Public Records of Lee County, Florida.

Drainage Easement recorded in Official Records Book 1172, page 2068, Public Records of Lee County, Florida.

Lee County Electric Cooperative Easement granted and recorded in Official Records Book 1507, page 1091, Public Records of Lee County, Florida.

Reservation of Lateral Easement (ditch right of way) along Westerly 40 feet in Official Records Book 1488, page 545, Public Records of Lee County, Florida.

The above-captioned property has been searched only by the above description and by no other description or name. This report purposely omits restrictions, easements, subdivision agreements and any reference to mortgages, judgments and/or liens which appear to be satisfied of record or have expired pursuant to Florida Statutes.

This report does not reflect those documents, if any, which may have been recorded prior (other than an assumed mortgage) or subsequent to the time period covered herein and which may disclose the possible existence of encumbrances, liens, rights, interests or other matters which may affect the subject property.

This report is not title insurance. Pursuant to s. [627.7843](#), Florida Statutes, the maximum liability of the issuer of this property information report for errors or omissions in this property information report is limited to the amount paid for this property information report, and is further limited to the person(s) expressly identified by name in the property information report as the recipient(s) of the property information report.

This Company expressly disclaims any liability for loss or damage resulting from reliance on this certificate in excess of the fee paid to ALLIANT NATIONAL TITLE INSURANCE COMPANY.

ALLIANT NATIONAL TITLE INSURANCE COMPANY

*Tena B. Browne*

BY: Tena B. Browne, CLS

# NEW POST ROAD SELF-STORAGE FACILITY

Project Location:

2833 New Post Rd.,

North Fort Myers, Florida 33917

## SITE-SPECIFIC POLLUTANT LOADING ANALYSIS REPORT

Date: 03/08/2024

Prepared by:



Andres Boral

Digitally signed by Andres Boral  
Date: 2024.03.14 10:41:14 -04'00'

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**Andres Boral, PE, MBA**  
**Florida License Number: 80373**  
Boral Engineering & Design, Inc.  
[andres@boralengineering.com](mailto:andres@boralengineering.com)  
(P) 239-692-0509  
23150 Fashion Drive, Suite 230  
Estero, FL 33928

**Project Background**

The proposed project is in North Fort Myers along New Post Road just South of the intersection with Bayshore Road. The project basin encompasses  $\pm 2.58$  acres and is currently undeveloped. Currently, the property drains West into an existing County ditch that runs through the Western boundary of the property within a drainage easement. The project proposes a dry retention/detention system with a control structure discharge into the existing County ditch.

**Proposed Site Area Breakdown**

## **PROJECT AREA BREAKDOWN**

|                       | SQUARE FEET | ACRES | PERCENTAGE |
|-----------------------|-------------|-------|------------|
| <b>TOTAL</b>          | 112,463     | 2.582 | 100.00%    |
| <b>BUILDING</b>       | 34,074      | 0.782 | 30.30%     |
| <b>PAVEMENT/CONC.</b> | 28,208      | 0.648 | 25.08%     |
| <b>IMPERVIOUS</b>     | 62,282      | 1.430 | 55.38%     |
| <b>PERVIOUS</b>       | 50,181      | 1.152 | 44.62%     |

Pervious Area = 50,181 SF

Detention Bottom = 17,643 SF

Detention Slope = 29,956 SF

Other = 2,582 SF

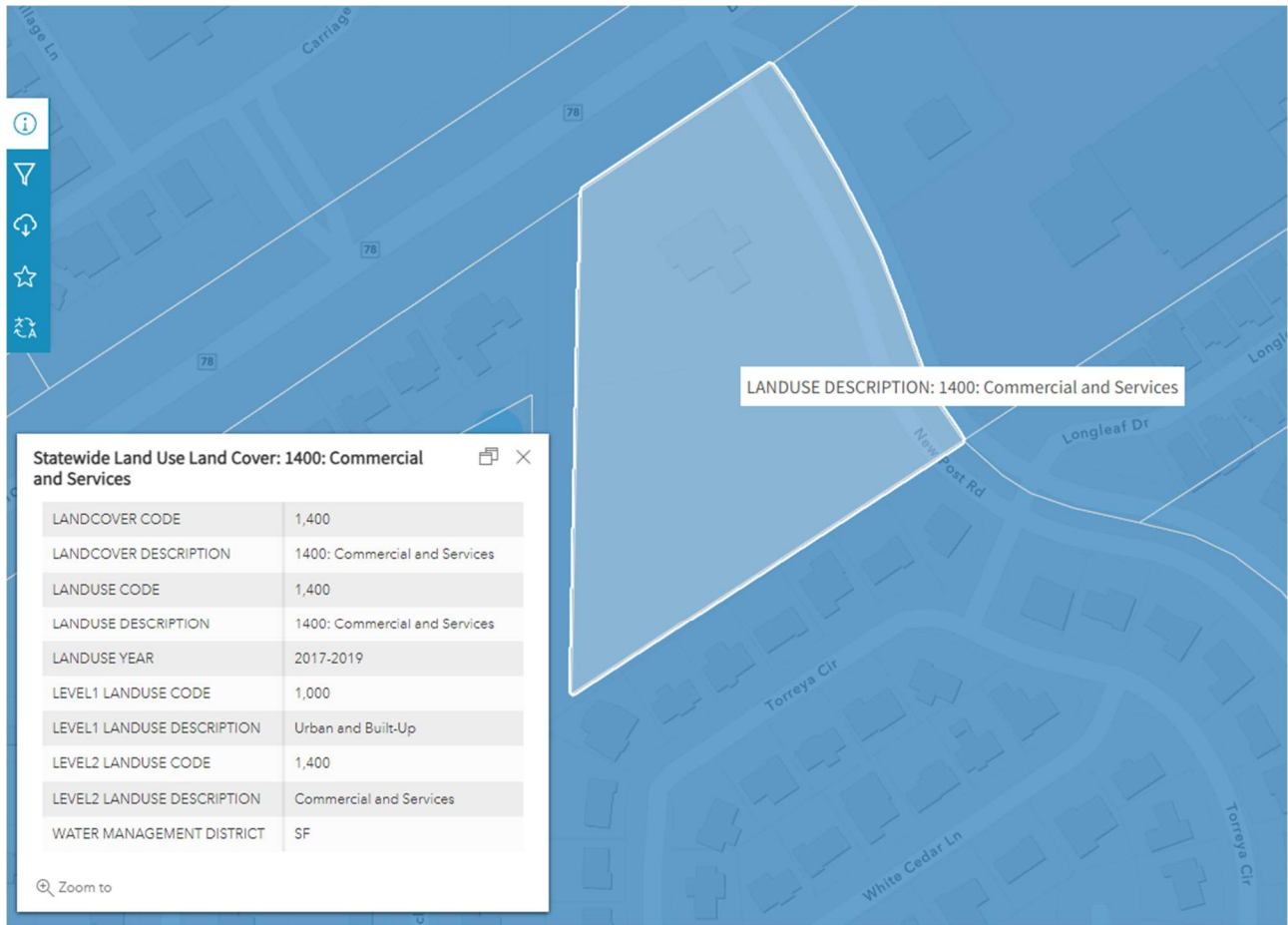
**Methodology**

To provide the site-specific pollutant loading analysis, BMP Trains Software Version 4.3.5 was used. Pre-condition land use of low-intensity commercial was used per FDEP Land Use GIS Map. For post-condition land use, low-intensity commercial was the best fit criteria given for proposed uses.

**Results**

Based upon the calculations ran with the BMP Trains Software, the proposed activities will not increase the nutrient loading into the impaired water body.

## PRE-CONDITION LAND USE





**Complete Report (not including cost) Ver 4.3.5**

Project: New Post Rd  
Date: 3/8/2024 2:51:26 PM

**Site and Catchment Information**

Analysis: Net Improvement

|                      |                |
|----------------------|----------------|
| Catchment Name       | Catchment 1    |
| Rainfall Zone        | Florida Zone 4 |
| Annual Mean Rainfall | 53.00          |

**Pre-Condition Landuse Information**

|                            |                                            |
|----------------------------|--------------------------------------------|
| Landuse                    | Low-Intensity Commercial: TN=1.13 TP=0.188 |
| Area (acres)               | 2.93                                       |
| Rational Coefficient (0-1) | 0.17                                       |
| Non DCIA Curve Number      | 84.00                                      |
| DCIA Percent (0-100)       | 0.00                                       |
| Nitrogen EMC (mg/l)        | 1.130                                      |
| Phosphorus EMC (mg/l)      | 0.188                                      |
| Runoff Volume (ac-ft/yr)   | 2.221                                      |
| Groundwater N (kg/yr)      | 0.000                                      |
| Groundwater P (kg/yr)      | 0.000                                      |
| Nitrogen Loading (kg/yr)   | 3.094                                      |
| Phosphorus Loading (kg/yr) | 0.515                                      |

**Post-Condition Landuse Information**

|                            |                                            |
|----------------------------|--------------------------------------------|
| Landuse                    | Low-Intensity Commercial: TN=1.13 TP=0.188 |
| Area (acres)               | 2.93                                       |
| Rational Coefficient (0-1) | 0.49                                       |
| Non DCIA Curve Number      | 84.00                                      |
| DCIA Percent (0-100)       | 49.15                                      |
| Wet Pond Area (ac)         | 0.00                                       |
| Nitrogen EMC (mg/l)        | 1.130                                      |
| Phosphorus EMC (mg/l)      | 0.188                                      |
| Runoff Volume (ac-ft/yr)   | 6.358                                      |
| Groundwater N (kg/yr)      | 0.000                                      |
| Groundwater P (kg/yr)      | 0.000                                      |
| Nitrogen Loading (kg/yr)   | 8.858                                      |
| Phosphorus Loading (kg/yr) | 1.474                                      |

**Catchment Number: 1 Name: Catchment 1****Project:** New Post Rd**Date:** 3/8/2024**Retention Design**

Retention Depth (in) 0.700

Retention Volume (ac-ft) 0.171

**Watershed Characteristics**

Catchment Area (acres) 2.93

Contributing Area (acres) 2.930

Non-DCIA Curve Number 84.00

DCIA Percent 49.15

Rainfall Zone Florida Zone 4

Rainfall (in) 53.00

**Surface Water Discharge**

Required TN Treatment Efficiency (%) 65

Provided TN Treatment Efficiency (%) 65

Required TP Treatment Efficiency (%) 65

Provided TP Treatment Efficiency (%) 65

**Media Mix Information**

Type of Media Mix Not Specified

Media N Reduction (%)

Media P Reduction (%)

**Groundwater Discharge (Stand-Alone)**

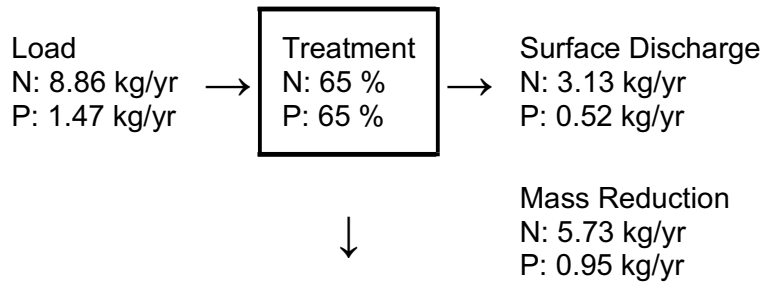
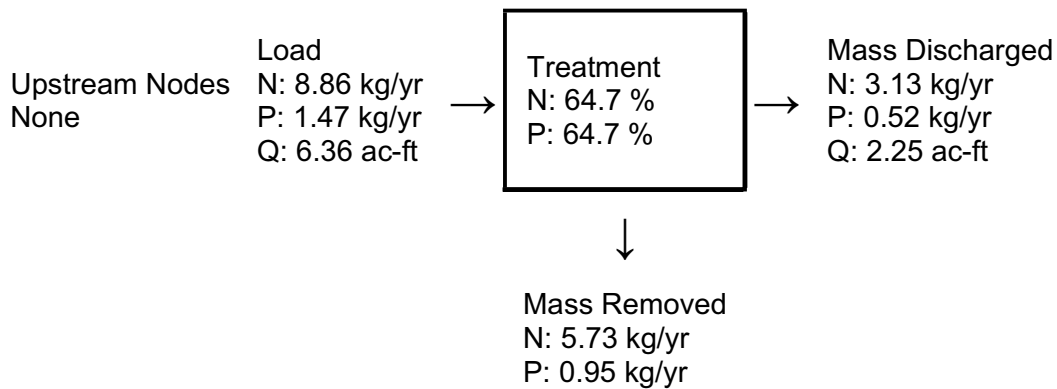
Treatment Rate (MG/yr) 0.000

TN Mass Load (kg/yr) 5.730

TN Concentration (mg/L) 0.000

TP Mass Load (kg/yr) 0.953

TP Concentration (mg/L) 0.000

**Load Diagram for Retention (stand-alone)****Load Diagram for Retention ( As Used In Routing)**

## Summary Treatment Report Version: 4.3.5

Project: New Post Rd

**Analysis Type:** Net  
Improvement

Date:3/8/2024

**BMP Types:**

Catchment 1 - (Catchment 1) **Routing Summary**  
Retention Catchment 1 Routed to Outlet

Based on % removal values  
to the nearest percent

Total nitrogen target removal met? **Yes**

Total phosphorus target removal met? **Yes**

## Summary Report

### Nitrogen

*Surface Water Discharge*

|                           |            |             |
|---------------------------|------------|-------------|
| Total N pre load          | 3.09 kg/yr |             |
| Total N post load         | 8.86 kg/yr |             |
| Target N load reduction   | 65 %       |             |
| Target N discharge load   | 3.09 kg/yr |             |
| Percent N load reduction  | 65 %       |             |
| Provided N discharge load | 3.13 kg/yr | 6.9 lb/yr   |
| Provided N load removed   | 5.73 kg/yr | 12.63 lb/yr |

### Phosphorus

*Surface Water Discharge*

|                           |             |             |
|---------------------------|-------------|-------------|
| Total P pre load          | .515 kg/yr  |             |
| Total P post load         | 1.474 kg/yr |             |
| Target P load reduction   | 65 %        |             |
| Target P discharge load   | .515 kg/yr  |             |
| Percent P load reduction  | 65 %        |             |
| Provided P discharge load | .52 kg/yr   | 1.15 lb/yr  |
| Provided P load removed   | .953 kg/yr  | 2.102 lb/yr |

# NEW POST ROAD SELF-STORAGE FACILITY

Project Location:

2833 New Post Rd.,

North Fort Myers, Florida 33917

## DRAINAGE CALCULATIONS

03/08/2024

Prepared by:



**Andres Boral** Digitally signed by Andres Boral  
Date: 2024.03.13 10:59:50 -04'00'

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**Andres Boral, PE, MBA**

**Florida License Number: 80373**

Boral Engineering & Design, Inc.

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(P) 239-692-0509

23150 Fashion Drive, Suite 230

Estero, FL 33928

**Project Background**

The proposed project is in North Fort Myers along New Post Road just South of the intersection with Bayshore Road. The project basin encompasses  $\pm 2.58$  acres and is currently undeveloped. Currently, the property drains West into an existing County ditch that runs through the Western boundary of the property within a drainage easement. The project proposes a dry retention/detention system with a control structure discharge into the existing County ditch.

**Proposed Site Area Breakdown****PROJECT AREA BREAKDOWN**

|                       | SQUARE FEET | ACRES | PERCENTAGE |
|-----------------------|-------------|-------|------------|
| <b>TOTAL</b>          | 112,463     | 2.582 | 100.00%    |
| <b>BUILDING</b>       | 34,074      | 0.782 | 30.30%     |
| <b>PAVEMENT/CONC.</b> | 28,208      | 0.648 | 25.08%     |
| <b>IMPERVIOUS</b>     | 62,282      | 1.430 | 55.38%     |
| <b>PERVIOUS</b>       | 50,181      | 1.152 | 44.62%     |

**Pre-development Discharge**

The 3-day 25-year design storm in the project area is 11.00 inches. Based on the Santa Barbara Unit Hydrograph, the maximum hourly rate of rainfall during this storm is 6 in/hr. A "C" factor of 0.2 will be used for pre-development. Based upon these figures, and utilizing the rational formula:

$$Q = CiA$$

$$C = 0.2 \text{ (Unimproved areas 0.1-0.3)}$$

$$i = 6 \text{ in.}$$

$$A = 2.58 \text{ Acres}$$

$$Q = (0.2) \times 6.0 \text{ in.} \times 2.58 \text{ Ac.}$$

$$Q \text{ (pre-development)} = \mathbf{3.09 \text{ c.f.s.}}$$

**Design Storms**

Based upon the design storm maps as found in the E.R.P. Information Manual, the design storms for the project are as follows:

1-day, 5-year: 5.5 in.

3-day, 25-year: 11.0 in.

3-day, 100-year: 14.0 in.

The project has been designed such that parking crown elevations are higher than the 1-day, 5-year design storm maximum flood stage, the perimeter berm top elevation is set at the 3-day, 25-year design storm maximum flood stage, and the minimum building finish floor elevation is higher than the 3-day, 100-year design storm maximum flood stage. The project lies in a F.E.M.A. "AE" flood zone with BFE of 9 NAVD.

**Control Elevation**

The proposed control elevation for this project is **5.80' N.A.V.D.** based on the following:

1. The adjacent commercial property, 1470 Bayshore Road, has a control elevation of approximately 5.80' N.A.V.D.

**Water Quality**

1. First inch of run-off:

$$1.0 \text{ in.} \times 112,463 \text{ S.F.} \times 1 \text{ ft.} / 12 \text{ in.} = 9,371.91 \text{ C.F.}$$

2. 2.5 in. times percent imperviousness:

$$\text{a. } 112,463 \text{ S.F.} - 34,074 \text{ S.F. (Roofs)} = 78,389 \text{ S.F. site area for water quality}$$

$$\text{b. } 78,389 \text{ S.F.} - 50,181 \text{ S.F. (Green Area)} = 28,208 \text{ S.F. of impervious area}$$

$$\text{c. } 28,208 \text{ S.F.} / 78,389 \text{ S.F.} = 36.0 \% \text{ impervious for water quality}$$

$$\text{d. } 2.5 \text{ in.} \times 0.360 = 0.90 \text{ inches to be treated}$$

$$\text{e. } 0.90 \text{ in.} \times 112,463 \text{ S.F.} \times 1 \text{ ft.} / 12 \text{ in.} = 8,431.13 \text{ C.F.}$$

The 9,371.91 C.F. controls for water quality.

All proposed retention areas will be dry detention; thus additional pre-treatment is not required.

**9,371.91 C.F. (0.188 Ac.-Ft.) Required for Water Quality provided below elevation 7.25' N.A.V.D.**

**Water Quantity (Flood Attenuation)**

Please see the attached Stage/Storage Chart for further information.

**Soil Storage**

The proposed control elevation for this project is: 5.80' NAVD

The average grade over the pervious area is: 7.62' NAVD

The average depth to the water table is:  $7.62 - 5.80 \text{ ft.} = 1.82 \text{ ft.}$

From the Soil Storage Chart in the E.R.P. Information Manual, Compacted Normal Typical Sandy, 2.50 in. of soil storage under pervious areas is available.

$$2.5 \text{ in.} \times 50,181 \text{ S.F.} \times 1 \text{ ft.} / 12 \text{ in.} = 10,454 \text{ C.F. over pervious areas}$$

$$10,454 \text{ C.F.} / 112,463 \text{ S.F.} \times 12 \text{ in.} / 1 \text{ ft.} = \underline{\underline{1.12 \text{ in. of Soil Storage Over the Entire Site}}}$$

**Design of the Project Outfall Control Structure**

The proposed outfall control structure for the project was designed using the Cascade 2001, Version 1.0 flood routing program. A 3 inch diameter bleeder will be utilized with the invert of the bleeder placed at 7.25' N.A.V.D.

After several iterations using Cascade, it was determined that this control structure yields a maximum discharge of **0.30 c.f.s.** with the 3" diameter bleeder at the 3-day, 25-year design storm. Please see the attached hydrograph detailing these results.

The maximum stage attained during the 3-day, 25-year design storm is elevation 8.95' N.A.V.D. The minimum proposed perimeter berm elevation is 9.20' N.A.V.D., and the proposed grate elevation of the control structure is 9.10' N.A.V.D., allowing for unlimited discharge over the 3-day, 25-year maximum design flood stage.

**Minimum Building Finish Floor Elevation**

Based upon State of Florida regulations, the minimum building finish floor elevation must be greater than the maximum flood stage during the 3-day, 100-year design storm or the F.E.M.A. minimum finish floor elevation within the flood zone that the structure is located.

Using Cascade, the flood stage for the 3-day, 100-year design storm is elevation 9.60' N.A.V.D. Please see the attached hydrograph detailing these results.

Therefore, the minimum building finish floor elevation within this development shall be elevation 10.00' N.A.V.D. to accommodate the water management criteria and flood protection measures. The actual proposed finished floor elevation is 10.00' N.A.V.D.

**Minimum Road Crown and Parking Elevation**

Based upon Lee County and S.F.W.M.D. guidelines, the minimum crown elevation of all roads and parking lots within the project shall be set at or above the maximum flood stage during the 1-day, 5-year design storm. Using Cascade 2001, Version 1.0, the maximum flood stage during the above-mentioned design storm is at elevation 8.04' N.A.V.D. As designed, the entire parking lot will be higher than this elevation.

**Discharge rate comparison to the Marsh Point Basin**

The project discharges to the Marsh Point basin with an allowable rate of 108 CSM (CF/sec per square mile). The project basin is 2.582 acre, therefore the equivalent allowable discharge rate for this project is:

$$108 \text{ (CF/sec per square mile)} \times (.0015625 \text{ square miles / acre}) = .169 \text{ CF/sec per acre}$$

$$.169 \text{ CF/sec per acre} \times 2.582 \text{ acre} = .438 \text{ CF/sec (allowable rate for Marsh Point Basin)}$$

After several iterations using Cascade, it was determined that this control structure yields a maximum discharge of **0.30 c.f.s.** with the 3" diameter bleeder at the 3-day, 25-year design storm. Please see the attached hydrograph detailing these results.

Therefore, the proposed discharge is LESS than the allowable rate for Marsh Point Basin.

**Offsite flows**

Per the topographic survey showing the existing elevations, the property drains West into an existing County ditch that runs through the Western boundary of the property within a drainage easement. Since all the properties around the site are already developed, no offsite flows will be impeded by the proposed development. In addition, no encroachment is proposed within the outfall swales receiving body which is owned by Lee County.

# NEW POST ROAD

**Execution Date:** 03/08/24  
**Engineer's Name:** GM  
**Job No:** 22-122

**Computation Type** Stage-Storage

**Starting Stage** 6.00  
**Ending Stage** 10.00  
**Stage Increment** 0.50

| Name              | DRY<br>DETENTION<br>BOTTOM | DRY<br>DETENTION<br>SLOPES | SITE  | ROAD AND<br>PARKING |
|-------------------|----------------------------|----------------------------|-------|---------------------|
| <b>Area</b>       | 0.405                      | 0.688                      | 0.059 | 0.648               |
| <b>Start Elev</b> | 6.80                       | 6.80                       | 8.00  | 8.90                |
| <b>End Elev</b>   |                            | 8.90                       | 9.20  | 9.50                |

| Stage<br>Feet | Vert<br>Storage<br>Ac-ft | Linear<br>Storage<br>Ac-ft | Linear<br>Storage<br>Ac-ft | Linear<br>Storage<br>Ac-ft | Total<br>Storage<br>Ac-ft |
|---------------|--------------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| <b>6.00</b>   | <b>0.00</b>              | <b>0.00</b>                | <b>0.00</b>                | <b>0.00</b>                | <b>0.00</b>               |
| 6.50          | 0.00                     | 0.00                       | 0.00                       | 0.00                       | 0.00                      |
| <b>7.00</b>   | <b>0.08</b>              | <b>0.01</b>                | <b>0.00</b>                | <b>0.00</b>                | <b>0.09</b>               |
| 7.50          | 0.28                     | 0.08                       | 0.00                       | 0.00                       | 0.36                      |
| <b>8.00</b>   | <b>0.49</b>              | <b>0.24</b>                | <b>0.00</b>                | <b>0.00</b>                | <b>0.72</b>               |
| 8.50          | 0.69                     | 0.47                       | 0.01                       | 0.00                       | 1.17                      |
| <b>9.00</b>   | <b>0.89</b>              | <b>0.79</b>                | <b>0.02</b>                | <b>0.01</b>                | <b>1.71</b>               |
| 9.50          | 1.09                     | 1.13                       | 0.05                       | 0.19                       | 2.48                      |
| <b>10.00</b>  | <b>1.30</b>              | <b>1.48</b>                | <b>0.08</b>                | <b>0.52</b>                | <b>3.38</b>               |

Cascade 2001 Version 1.0

File: 3-DAY 100-YEAR Date: March 08, 2024

Page 1

Project Name: NEW POST

Reviewer: GM

Project Number: 22-122

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.5 hr, Iterations: 10

Basin 1: BASIN 1

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 100 year

3 Day Rainfall: 14 inches

Area: 2.58 acres

Ground Storage: 1.48 inches

Time of Concentration: 0.167 hours

Initial Stage: 5.5 ft NGVD

| Stage<br>(ft NGVD) | Storage<br>(acre-ft) |
|--------------------|----------------------|
| 6.00               | 0.00                 |
| 6.50               | 0.00                 |
| 7.00               | 0.09                 |
| 7.50               | 0.36                 |
| 8.00               | 0.72                 |
| 8.50               | 1.17                 |
| 9.00               | 1.71                 |
| 9.50               | 2.48                 |
| 10.00              | 3.38                 |

## STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

| Struc | Max (cfs) | Time (hr) | Min (cfs) | Time (hr) |
|-------|-----------|-----------|-----------|-----------|
|       |           |           |           |           |

## BASIN MAXIMUM AND MINIMUM STAGES

| Basin   | Max (ft) | Time (hr) | Min (ft) | Time (hr) |
|---------|----------|-----------|----------|-----------|
| BASIN 1 | 9.60     | 73.50     | 5.50     | 0.00      |

## BASIN WATER BUDGETS (all units in acre-ft)

| Basin   | Total<br>Runoff | Structure<br>Inflow | Structure<br>Outflow | Initial<br>Storage | Final<br>Storage | Residual |
|---------|-----------------|---------------------|----------------------|--------------------|------------------|----------|
| BASIN 1 | 2.66            | 0.00                | 0.00                 | 0.00               | 2.66             | 0.00     |

Cascade 2001 Version 1.0

File: 3-DAY 25-YEAR Date: March 08, 2024

Page 1

Project Name: NEW POST

Reviewer: GM

Project Number: 22-122

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.5 hr, Iterations: 10

Basin 1: BASIN

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 25 year

3 Day Rainfall: 11 inches

Area: 2.58 acres

Ground Storage: 1.12 inches

Time of Concentration: 0.167 hours

Initial Stage: 6 ft NGVD

| Stage<br>(ft NGVD) | Storage<br>(acre-ft) |
|--------------------|----------------------|
| 6.00               | 0.00                 |
| 6.50               | 0.00                 |
| 7.00               | 0.09                 |
| 7.50               | 0.36                 |
| 8.00               | 0.72                 |
| 8.50               | 1.17                 |
| 9.00               | 1.71                 |
| 9.50               | 2.48                 |
| 10.00              | 3.38                 |

Offsite Receiving Body: Offsitel

| Time<br>(hr) | Stage<br>(ft NGVD) |
|--------------|--------------------|
| 0.00         | 5.00               |
| 18.00        | 5.50               |
| 360.00       | 5.00               |

Structure: 1

From Basin: BASIN

To Basin: Offsitel

Structure Type: Gravity

Weir: None

Bleeder: Circular, Invert Elev = 7.25 ft NGVD, Diameter = 0.25 ft

Default Coefs: Weir Coef = 0.6, Orifice Coef = 0.6

Pipe: Diameter = 1 ft, Manning's n = 0.012, Length = 20 ft

US Invert Elev = 5.8 ft NGVD, DS Invert Elev = 5.3 ft NGVD, no flap gate

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 0.00         | 0.00                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.00                             |
| 1.00         | 0.05                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.03                             |
| 2.00         | 0.10                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.06                             |
| 3.00         | 0.15                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.08                             |
| 4.00         | 0.20                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.11                             |
| 5.00         | 0.25                           | 0.00                       | 0.00                          | 0.00                                 | 6.02                             | 5.14                             |
| 6.00         | 0.30                           | 0.01                       | 0.00                          | 0.00                                 | 6.32                             | 5.17                             |
| 7.00         | 0.34                           | 0.02                       | 0.00                          | 0.00                                 | 6.51                             | 5.19                             |
| 8.00         | 0.39                           | 0.03                       | 0.00                          | 0.00                                 | 6.52                             | 5.22                             |
| 9.00         | 0.44                           | 0.04                       | 0.00                          | 0.00                                 | 6.53                             | 5.25                             |
| 10.00        | 0.49                           | 0.04                       | 0.00                          | 0.00                                 | 6.55                             | 5.28                             |
| 11.00        | 0.54                           | 0.05                       | 0.00                          | 0.00                                 | 6.57                             | 5.31                             |
| 12.00        | 0.59                           | 0.05                       | 0.00                          | 0.00                                 | 6.60                             | 5.33                             |
| 13.00        | 0.64                           | 0.06                       | 0.00                          | 0.00                                 | 6.62                             | 5.36                             |
| 14.00        | 0.69                           | 0.06                       | 0.00                          | 0.00                                 | 6.65                             | 5.39                             |
| 15.00        | 0.74                           | 0.07                       | 0.00                          | 0.00                                 | 6.68                             | 5.42                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 16.00        | 0.79                           | 0.07                       | 0.00                          | 0.00                                 | 6.71                             | 5.44                             |
| 17.00        | 0.84                           | 0.07                       | 0.00                          | 0.00                                 | 6.75                             | 5.47                             |
| 18.00        | 0.89                           | 0.08                       | 0.00                          | 0.00                                 | 6.78                             | 5.50                             |
| 19.00        | 0.94                           | 0.08                       | 0.00                          | 0.00                                 | 6.82                             | 5.50                             |
| 20.00        | 0.98                           | 0.08                       | 0.00                          | 0.00                                 | 6.86                             | 5.50                             |
| 21.00        | 1.03                           | 0.08                       | 0.00                          | 0.00                                 | 6.89                             | 5.50                             |
| 22.00        | 1.08                           | 0.09                       | 0.00                          | 0.00                                 | 6.93                             | 5.49                             |
| 23.00        | 1.13                           | 0.09                       | 0.00                          | 0.00                                 | 6.97                             | 5.49                             |
| 24.00        | 1.18                           | 0.09                       | 0.00                          | 0.00                                 | 7.01                             | 5.49                             |
| 25.00        | 1.25                           | 0.14                       | 0.00                          | 0.00                                 | 7.02                             | 5.49                             |
| 26.00        | 1.33                           | 0.14                       | 0.00                          | 0.00                                 | 7.04                             | 5.49                             |
| 27.00        | 1.40                           | 0.14                       | 0.00                          | 0.00                                 | 7.07                             | 5.49                             |
| 28.00        | 1.47                           | 0.14                       | 0.00                          | 0.00                                 | 7.09                             | 5.49                             |
| 29.00        | 1.54                           | 0.15                       | 0.00                          | 0.00                                 | 7.11                             | 5.48                             |
| 30.00        | 1.61                           | 0.15                       | 0.00                          | 0.00                                 | 7.13                             | 5.48                             |
| 31.00        | 1.68                           | 0.15                       | 0.00                          | 0.00                                 | 7.16                             | 5.48                             |
| 32.00        | 1.76                           | 0.15                       | 0.00                          | 0.00                                 | 7.18                             | 5.48                             |
| 33.00        | 1.83                           | 0.15                       | 0.00                          | 0.00                                 | 7.20                             | 5.48                             |
| 34.00        | 1.90                           | 0.16                       | 0.00                          | 0.00                                 | 7.23                             | 5.48                             |
| 35.00        | 1.97                           | 0.16                       | 0.00                          | 0.00                                 | 7.25                             | 5.48                             |
| 36.00        | 2.04                           | 0.16                       | 0.00                          | 0.00                                 | 7.27                             | 5.47                             |
| 37.00        | 2.12                           | 0.16                       | 0.00                          | 0.00                                 | 7.30                             | 5.47                             |
| 38.00        | 2.19                           | 0.16                       | 0.01                          | 0.00                                 | 7.32                             | 5.47                             |
| 39.00        | 2.26                           | 0.16                       | 0.02                          | 0.00                                 | 7.35                             | 5.47                             |
| 40.00        | 2.33                           | 0.16                       | 0.02                          | 0.00                                 | 7.37                             | 5.47                             |
| 41.00        | 2.40                           | 0.17                       | 0.03                          | 0.01                                 | 7.39                             | 5.47                             |
| 42.00        | 2.47                           | 0.17                       | 0.04                          | 0.01                                 | 7.41                             | 5.46                             |
| 43.00        | 2.55                           | 0.17                       | 0.05                          | 0.01                                 | 7.43                             | 5.46                             |
| 44.00        | 2.62                           | 0.17                       | 0.06                          | 0.02                                 | 7.45                             | 5.46                             |
| 45.00        | 2.69                           | 0.17                       | 0.06                          | 0.02                                 | 7.46                             | 5.46                             |
| 46.00        | 2.76                           | 0.17                       | 0.07                          | 0.03                                 | 7.48                             | 5.46                             |
| 47.00        | 2.83                           | 0.17                       | 0.08                          | 0.03                                 | 7.49                             | 5.46                             |
| 48.00        | 2.91                           | 0.17                       | 0.09                          | 0.04                                 | 7.50                             | 5.46                             |
| 49.00        | 2.99                           | 0.19                       | 0.09                          | 0.05                                 | 7.52                             | 5.45                             |
| 50.00        | 3.07                           | 0.19                       | 0.09                          | 0.06                                 | 7.53                             | 5.45                             |
| 51.00        | 3.16                           | 0.23                       | 0.10                          | 0.06                                 | 7.54                             | 5.45                             |
| 52.00        | 3.27                           | 0.27                       | 0.10                          | 0.07                                 | 7.56                             | 5.45                             |
| 53.00        | 3.41                           | 0.35                       | 0.11                          | 0.08                                 | 7.58                             | 5.45                             |
| 54.00        | 3.58                           | 0.43                       | 0.12                          | 0.09                                 | 7.61                             | 5.45                             |
| 55.00        | 3.78                           | 0.51                       | 0.13                          | 0.10                                 | 7.65                             | 5.45                             |
| 56.00        | 4.01                           | 0.60                       | 0.14                          | 0.11                                 | 7.70                             | 5.44                             |
| 57.00        | 4.29                           | 0.72                       | 0.15                          | 0.12                                 | 7.76                             | 5.44                             |
| 58.00        | 4.63                           | 0.88                       | 0.16                          | 0.14                                 | 7.84                             | 5.44                             |
| 59.00        | 5.08                           | 1.28                       | 0.18                          | 0.15                                 | 7.93                             | 5.44                             |
| 60.00        | 8.22                           | 13.29                      | 0.23                          | 0.17                                 | 8.36                             | 5.44                             |
| 61.00        | 9.11                           | 1.68                       | 0.28                          | 0.19                                 | 8.78                             | 5.44                             |
| 62.00        | 9.53                           | 0.97                       | 0.29                          | 0.21                                 | 8.86                             | 5.44                             |
| 63.00        | 9.79                           | 0.63                       | 0.29                          | 0.24                                 | 8.89                             | 5.43                             |
| 64.00        | 10.03                          | 0.62                       | 0.29                          | 0.26                                 | 8.92                             | 5.43                             |
| 65.00        | 10.17                          | 0.38                       | 0.29                          | 0.29                                 | 8.93                             | 5.43                             |
| 66.00        | 10.32                          | 0.38                       | 0.30                          | 0.31                                 | 8.93                             | 5.43                             |
| 67.00        | 10.47                          | 0.38                       | 0.30                          | 0.34                                 | 8.94                             | 5.43                             |
| 68.00        | 10.61                          | 0.38                       | 0.30                          | 0.36                                 | 8.95                             | 5.43                             |
| 69.00        | 10.71                          | 0.25                       | 0.30                          | 0.38                                 | 8.95                             | 5.43                             |
| 70.00        | 10.81                          | 0.25                       | 0.30                          | 0.41                                 | 8.94                             | 5.42                             |
| 71.00        | 10.90                          | 0.25                       | 0.30                          | 0.43                                 | 8.94                             | 5.42                             |
| 72.00        | 11.00                          | 0.25                       | 0.30                          | 0.46                                 | 8.94                             | 5.42                             |
| 73.00        | 11.00                          | 0.00                       | 0.29                          | 0.48                                 | 8.92                             | 5.42                             |
| 74.00        | 11.00                          | 0.00                       | 0.29                          | 0.51                                 | 8.90                             | 5.42                             |
| 75.00        | 11.00                          | 0.00                       | 0.29                          | 0.53                                 | 8.87                             | 5.42                             |
| 76.00        | 11.00                          | 0.00                       | 0.29                          | 0.55                                 | 8.85                             | 5.42                             |
| 77.00        | 11.00                          | 0.00                       | 0.29                          | 0.58                                 | 8.83                             | 5.41                             |
| 78.00        | 11.00                          | 0.00                       | 0.28                          | 0.60                                 | 8.81                             | 5.41                             |
| 79.00        | 11.00                          | 0.00                       | 0.28                          | 0.62                                 | 8.79                             | 5.41                             |
| 80.00        | 11.00                          | 0.00                       | 0.28                          | 0.65                                 | 8.76                             | 5.41                             |
| 81.00        | 11.00                          | 0.00                       | 0.28                          | 0.67                                 | 8.74                             | 5.41                             |
| 82.00        | 11.00                          | 0.00                       | 0.27                          | 0.69                                 | 8.72                             | 5.41                             |
| 83.00        | 11.00                          | 0.00                       | 0.27                          | 0.72                                 | 8.70                             | 5.40                             |
| 84.00        | 11.00                          | 0.00                       | 0.27                          | 0.74                                 | 8.68                             | 5.40                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 85.00        | 11.00                          | 0.00                       | 0.27                          | 0.76                                 | 8.66                             | 5.40                             |
| 86.00        | 11.00                          | 0.00                       | 0.27                          | 0.78                                 | 8.64                             | 5.40                             |
| 87.00        | 11.00                          | 0.00                       | 0.26                          | 0.80                                 | 8.62                             | 5.40                             |
| 88.00        | 11.00                          | 0.00                       | 0.26                          | 0.83                                 | 8.60                             | 5.40                             |
| 89.00        | 11.00                          | 0.00                       | 0.26                          | 0.85                                 | 8.58                             | 5.40                             |
| 90.00        | 11.00                          | 0.00                       | 0.26                          | 0.87                                 | 8.56                             | 5.39                             |
| 91.00        | 11.00                          | 0.00                       | 0.26                          | 0.89                                 | 8.54                             | 5.39                             |
| 92.00        | 11.00                          | 0.00                       | 0.25                          | 0.91                                 | 8.52                             | 5.39                             |
| 93.00        | 11.00                          | 0.00                       | 0.25                          | 0.93                                 | 8.50                             | 5.39                             |
| 94.00        | 11.00                          | 0.00                       | 0.25                          | 0.95                                 | 8.48                             | 5.39                             |
| 95.00        | 11.00                          | 0.00                       | 0.25                          | 0.97                                 | 8.46                             | 5.39                             |
| 96.00        | 11.00                          | 0.00                       | 0.24                          | 0.99                                 | 8.43                             | 5.39                             |
| 97.00        | 11.00                          | 0.00                       | 0.24                          | 1.01                                 | 8.41                             | 5.38                             |
| 98.00        | 11.00                          | 0.00                       | 0.24                          | 1.03                                 | 8.39                             | 5.38                             |
| 99.00        | 11.00                          | 0.00                       | 0.24                          | 1.05                                 | 8.37                             | 5.38                             |
| 100.00       | 11.00                          | 0.00                       | 0.23                          | 1.07                                 | 8.35                             | 5.38                             |
| 101.00       | 11.00                          | 0.00                       | 0.23                          | 1.09                                 | 8.33                             | 5.38                             |
| 102.00       | 11.00                          | 0.00                       | 0.23                          | 1.11                                 | 8.30                             | 5.38                             |
| 103.00       | 11.00                          | 0.00                       | 0.23                          | 1.13                                 | 8.28                             | 5.38                             |
| 104.00       | 11.00                          | 0.00                       | 0.22                          | 1.15                                 | 8.26                             | 5.37                             |
| 105.00       | 11.00                          | 0.00                       | 0.22                          | 1.16                                 | 8.24                             | 5.37                             |
| 106.00       | 11.00                          | 0.00                       | 0.22                          | 1.18                                 | 8.22                             | 5.37                             |
| 107.00       | 11.00                          | 0.00                       | 0.21                          | 1.20                                 | 8.20                             | 5.37                             |
| 108.00       | 11.00                          | 0.00                       | 0.21                          | 1.22                                 | 8.18                             | 5.37                             |
| 109.00       | 11.00                          | 0.00                       | 0.21                          | 1.24                                 | 8.16                             | 5.37                             |
| 110.00       | 11.00                          | 0.00                       | 0.21                          | 1.25                                 | 8.14                             | 5.37                             |
| 111.00       | 11.00                          | 0.00                       | 0.20                          | 1.27                                 | 8.13                             | 5.36                             |
| 112.00       | 11.00                          | 0.00                       | 0.20                          | 1.29                                 | 8.11                             | 5.36                             |
| 113.00       | 11.00                          | 0.00                       | 0.20                          | 1.30                                 | 8.09                             | 5.36                             |
| 114.00       | 11.00                          | 0.00                       | 0.20                          | 1.32                                 | 8.07                             | 5.36                             |
| 115.00       | 11.00                          | 0.00                       | 0.19                          | 1.34                                 | 8.05                             | 5.36                             |
| 116.00       | 11.00                          | 0.00                       | 0.19                          | 1.35                                 | 8.03                             | 5.36                             |
| 117.00       | 11.00                          | 0.00                       | 0.19                          | 1.37                                 | 8.02                             | 5.36                             |
| 118.00       | 11.00                          | 0.00                       | 0.19                          | 1.38                                 | 8.00                             | 5.35                             |
| 119.00       | 11.00                          | 0.00                       | 0.18                          | 1.40                                 | 7.98                             | 5.35                             |
| 120.00       | 11.00                          | 0.00                       | 0.18                          | 1.41                                 | 7.96                             | 5.35                             |
| 121.00       | 11.00                          | 0.00                       | 0.18                          | 1.43                                 | 7.94                             | 5.35                             |
| 122.00       | 11.00                          | 0.00                       | 0.17                          | 1.44                                 | 7.92                             | 5.35                             |
| 123.00       | 11.00                          | 0.00                       | 0.17                          | 1.46                                 | 7.90                             | 5.35                             |
| 124.00       | 11.00                          | 0.00                       | 0.17                          | 1.47                                 | 7.88                             | 5.35                             |
| 125.00       | 11.00                          | 0.00                       | 0.16                          | 1.48                                 | 7.86                             | 5.34                             |
| 126.00       | 11.00                          | 0.00                       | 0.16                          | 1.50                                 | 7.84                             | 5.34                             |
| 127.00       | 11.00                          | 0.00                       | 0.16                          | 1.51                                 | 7.82                             | 5.34                             |
| 128.00       | 11.00                          | 0.00                       | 0.15                          | 1.52                                 | 7.80                             | 5.34                             |
| 129.00       | 11.00                          | 0.00                       | 0.15                          | 1.54                                 | 7.79                             | 5.34                             |
| 130.00       | 11.00                          | 0.00                       | 0.15                          | 1.55                                 | 7.77                             | 5.34                             |
| 131.00       | 11.00                          | 0.00                       | 0.15                          | 1.56                                 | 7.75                             | 5.33                             |
| 132.00       | 11.00                          | 0.00                       | 0.14                          | 1.57                                 | 7.74                             | 5.33                             |
| 133.00       | 11.00                          | 0.00                       | 0.14                          | 1.58                                 | 7.72                             | 5.33                             |
| 134.00       | 11.00                          | 0.00                       | 0.14                          | 1.59                                 | 7.70                             | 5.33                             |
| 135.00       | 11.00                          | 0.00                       | 0.13                          | 1.61                                 | 7.69                             | 5.33                             |
| 136.00       | 11.00                          | 0.00                       | 0.13                          | 1.62                                 | 7.67                             | 5.33                             |
| 137.00       | 11.00                          | 0.00                       | 0.13                          | 1.63                                 | 7.66                             | 5.33                             |
| 138.00       | 11.00                          | 0.00                       | 0.12                          | 1.64                                 | 7.64                             | 5.32                             |
| 139.00       | 11.00                          | 0.00                       | 0.12                          | 1.65                                 | 7.63                             | 5.32                             |
| 140.00       | 11.00                          | 0.00                       | 0.12                          | 1.66                                 | 7.62                             | 5.32                             |
| 141.00       | 11.00                          | 0.00                       | 0.11                          | 1.67                                 | 7.60                             | 5.32                             |
| 142.00       | 11.00                          | 0.00                       | 0.11                          | 1.68                                 | 7.59                             | 5.32                             |
| 143.00       | 11.00                          | 0.00                       | 0.11                          | 1.68                                 | 7.58                             | 5.32                             |
| 144.00       | 11.00                          | 0.00                       | 0.10                          | 1.69                                 | 7.57                             | 5.32                             |
| 145.00       | 11.00                          | 0.00                       | 0.10                          | 1.70                                 | 7.55                             | 5.31                             |
| 146.00       | 11.00                          | 0.00                       | 0.10                          | 1.71                                 | 7.54                             | 5.31                             |
| 147.00       | 11.00                          | 0.00                       | 0.09                          | 1.72                                 | 7.53                             | 5.31                             |
| 148.00       | 11.00                          | 0.00                       | 0.09                          | 1.72                                 | 7.52                             | 5.31                             |
| 149.00       | 11.00                          | 0.00                       | 0.09                          | 1.73                                 | 7.51                             | 5.31                             |
| 150.00       | 11.00                          | 0.00                       | 0.08                          | 1.74                                 | 7.50                             | 5.31                             |
| 151.00       | 11.00                          | 0.00                       | 0.08                          | 1.75                                 | 7.49                             | 5.31                             |
| 152.00       | 11.00                          | 0.00                       | 0.07                          | 1.75                                 | 7.48                             | 5.30                             |
| 153.00       | 11.00                          | 0.00                       | 0.07                          | 1.76                                 | 7.47                             | 5.30                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 154.00       | 11.00                          | 0.00                       | 0.06                          | 1.76                                 | 7.46                             | 5.30                             |
| 155.00       | 11.00                          | 0.00                       | 0.06                          | 1.77                                 | 7.45                             | 5.30                             |
| 156.00       | 11.00                          | 0.00                       | 0.05                          | 1.77                                 | 7.44                             | 5.30                             |
| 157.00       | 11.00                          | 0.00                       | 0.05                          | 1.78                                 | 7.43                             | 5.30                             |
| 158.00       | 11.00                          | 0.00                       | 0.05                          | 1.78                                 | 7.43                             | 5.30                             |
| 159.00       | 11.00                          | 0.00                       | 0.04                          | 1.78                                 | 7.42                             | 5.29                             |
| 160.00       | 11.00                          | 0.00                       | 0.04                          | 1.79                                 | 7.41                             | 5.29                             |
| 161.00       | 11.00                          | 0.00                       | 0.04                          | 1.79                                 | 7.41                             | 5.29                             |
| 162.00       | 11.00                          | 0.00                       | 0.04                          | 1.79                                 | 7.40                             | 5.29                             |
| 163.00       | 11.00                          | 0.00                       | 0.03                          | 1.80                                 | 7.40                             | 5.29                             |
| 164.00       | 11.00                          | 0.00                       | 0.03                          | 1.80                                 | 7.39                             | 5.29                             |
| 165.00       | 11.00                          | 0.00                       | 0.03                          | 1.80                                 | 7.39                             | 5.29                             |
| 166.00       | 11.00                          | 0.00                       | 0.03                          | 1.80                                 | 7.38                             | 5.28                             |
| 167.00       | 11.00                          | 0.00                       | 0.03                          | 1.81                                 | 7.38                             | 5.28                             |
| 168.00       | 11.00                          | 0.00                       | 0.02                          | 1.81                                 | 7.37                             | 5.28                             |
| 169.00       | 11.00                          | 0.00                       | 0.02                          | 1.81                                 | 7.37                             | 5.28                             |
| 170.00       | 11.00                          | 0.00                       | 0.02                          | 1.81                                 | 7.37                             | 5.28                             |
| 171.00       | 11.00                          | 0.00                       | 0.02                          | 1.81                                 | 7.36                             | 5.28                             |
| 172.00       | 11.00                          | 0.00                       | 0.02                          | 1.81                                 | 7.36                             | 5.27                             |
| 173.00       | 11.00                          | 0.00                       | 0.02                          | 1.82                                 | 7.36                             | 5.27                             |
| 174.00       | 11.00                          | 0.00                       | 0.02                          | 1.82                                 | 7.35                             | 5.27                             |
| 175.00       | 11.00                          | 0.00                       | 0.02                          | 1.82                                 | 7.35                             | 5.27                             |
| 176.00       | 11.00                          | 0.00                       | 0.02                          | 1.82                                 | 7.35                             | 5.27                             |
| 177.00       | 11.00                          | 0.00                       | 0.02                          | 1.82                                 | 7.35                             | 5.27                             |
| 178.00       | 11.00                          | 0.00                       | 0.01                          | 1.82                                 | 7.34                             | 5.27                             |
| 179.00       | 11.00                          | 0.00                       | 0.01                          | 1.82                                 | 7.34                             | 5.26                             |
| 180.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.34                             | 5.26                             |
| 181.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.34                             | 5.26                             |
| 182.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.34                             | 5.26                             |
| 183.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.33                             | 5.26                             |
| 184.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.33                             | 5.26                             |
| 185.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.33                             | 5.26                             |
| 186.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.33                             | 5.25                             |
| 187.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.33                             | 5.25                             |
| 188.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.33                             | 5.25                             |
| 189.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.32                             | 5.25                             |
| 190.00       | 11.00                          | 0.00                       | 0.01                          | 1.83                                 | 7.32                             | 5.25                             |
| 191.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.32                             | 5.25                             |
| 192.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.32                             | 5.25                             |
| 193.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.32                             | 5.24                             |
| 194.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.32                             | 5.24                             |
| 195.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.32                             | 5.24                             |
| 196.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.24                             |
| 197.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.24                             |
| 198.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.24                             |
| 199.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.24                             |
| 200.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.23                             |
| 201.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.23                             |
| 202.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.23                             |
| 203.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.23                             |
| 204.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.23                             |
| 205.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.23                             |
| 206.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.31                             | 5.23                             |
| 207.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.30                             | 5.22                             |
| 208.00       | 11.00                          | 0.00                       | 0.01                          | 1.84                                 | 7.30                             | 5.22                             |
| 209.00       | 11.00                          | 0.00                       | 0.00                          | 1.84                                 | 7.30                             | 5.22                             |
| 210.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.22                             |
| 211.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.22                             |
| 212.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.22                             |
| 213.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.21                             |
| 214.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.21                             |
| 215.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.21                             |
| 216.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.21                             |
| 217.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.21                             |
| 218.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.21                             |
| 219.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.21                             |
| 220.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.30                             | 5.20                             |
| 221.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.20                             |
| 222.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.20                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 223.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.20                             |
| 224.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.20                             |
| 225.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.20                             |
| 226.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.20                             |
| 227.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.19                             |
| 228.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.19                             |
| 229.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.19                             |
| 230.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.19                             |
| 231.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.19                             |
| 232.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.19                             |
| 233.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.19                             |
| 234.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.18                             |
| 235.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.18                             |
| 236.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.18                             |
| 237.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.18                             |
| 238.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.18                             |
| 239.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.18                             |
| 240.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.18                             |
| 241.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.17                             |
| 242.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.17                             |
| 243.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.29                             | 5.17                             |
| 244.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.28                             | 5.17                             |
| 245.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.28                             | 5.17                             |
| 246.00       | 11.00                          | 0.00                       | 0.00                          | 1.85                                 | 7.28                             | 5.17                             |
| 247.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.17                             |
| 248.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.16                             |
| 249.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.16                             |
| 250.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.16                             |
| 251.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.16                             |
| 252.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.16                             |
| 253.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.16                             |
| 254.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.15                             |
| 255.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.15                             |
| 256.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.15                             |
| 257.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.15                             |
| 258.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.15                             |
| 259.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.15                             |
| 260.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.15                             |
| 261.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.14                             |
| 262.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.14                             |
| 263.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.14                             |
| 264.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.14                             |
| 265.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.14                             |
| 266.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.14                             |
| 267.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.14                             |
| 268.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.13                             |
| 269.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.13                             |
| 270.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.13                             |
| 271.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.13                             |
| 272.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.13                             |
| 273.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.13                             |
| 274.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.13                             |
| 275.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.12                             |
| 276.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.12                             |
| 277.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.12                             |
| 278.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.12                             |
| 279.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.12                             |
| 280.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.12                             |
| 281.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.12                             |
| 282.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.11                             |
| 283.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.11                             |
| 284.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.28                             | 5.11                             |
| 285.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.11                             |
| 286.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.11                             |
| 287.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.11                             |
| 288.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.11                             |
| 289.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.10                             |
| 290.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.10                             |
| 291.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.10                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 292.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.10                             |
| 293.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.10                             |
| 294.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.10                             |
| 295.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.10                             |
| 296.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.09                             |
| 297.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.09                             |
| 298.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.09                             |
| 299.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.09                             |
| 300.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.09                             |
| 301.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.09                             |
| 302.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.08                             |
| 303.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.08                             |
| 304.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.08                             |
| 305.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.08                             |
| 306.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.08                             |
| 307.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.08                             |
| 308.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.08                             |
| 309.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.07                             |
| 310.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.07                             |
| 311.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.07                             |
| 312.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.07                             |
| 313.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.07                             |
| 314.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.07                             |
| 315.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.07                             |
| 316.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.06                             |
| 317.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.06                             |
| 318.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.06                             |
| 319.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.06                             |
| 320.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.06                             |
| 321.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.06                             |
| 322.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.06                             |
| 323.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.05                             |
| 324.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.05                             |
| 325.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.05                             |
| 326.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.05                             |
| 327.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.05                             |
| 328.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.05                             |
| 329.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.05                             |
| 330.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.04                             |
| 331.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.04                             |
| 332.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.04                             |
| 333.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.04                             |
| 334.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.04                             |
| 335.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.04                             |
| 336.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.04                             |
| 337.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.03                             |
| 338.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.03                             |
| 339.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.03                             |
| 340.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.03                             |
| 341.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.03                             |
| 342.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.03                             |
| 343.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.02                             |
| 344.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.02                             |
| 345.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.02                             |
| 346.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.02                             |
| 347.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.02                             |
| 348.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.02                             |
| 349.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.02                             |
| 350.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.01                             |
| 351.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.01                             |
| 352.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.01                             |
| 353.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.01                             |
| 354.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.01                             |
| 355.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.01                             |
| 356.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.01                             |
| 357.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.00                             |
| 358.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.00                             |
| 359.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.00                             |
| 360.00       | 11.00                          | 0.00                       | 0.00                          | 1.86                                 | 7.27                             | 5.00                             |

## STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

| Struc | Max (cfs) | Time (hr) | Min (cfs) | Time (hr) |
|-------|-----------|-----------|-----------|-----------|
| 1     | 0.30      | 68.50     | 0.00      | 0.00      |

## BASIN MAXIMUM AND MINIMUM STAGES

| Basin | Max (ft) | Time (hr) | Min (ft) | Time (hr) |
|-------|----------|-----------|----------|-----------|
| BASIN | 8.95     | 68.50     | 6.00     | 0.00      |

## BASIN WATER BUDGETS (all units in acre-ft)

| Basin | Total<br>Runoff | Structure<br>Inflow | Structure<br>Outflow | Initial<br>Storage | Final<br>Storage | Residual |
|-------|-----------------|---------------------|----------------------|--------------------|------------------|----------|
| BASIN | 2.10            | 0.00                | 1.86                 | 0.00               | 0.23             | 0.00     |

Cascade 2001 Version 1.0

File: 1-DAY 5-YEAR Date: March 08, 2024

Page 1

Project Name: NEW POST

Reviewer: GM

Project Number: 22-122

Period Begin: Jan 01, 2000;0000 hr End: Jan 16, 2000;0000 hr Duration: 360 hr

Time Step: 0.5 hr, Iterations: 10

Basin 1: BASIN

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 24 hr

Design Frequency: 5 year

1 Day Rainfall: 5.5 inches

Area: 2.58 acres

Ground Storage: 1.12 inches

Time of Concentration: 0.167 hours

Initial Stage: 6 ft NGVD

| Stage<br>(ft NGVD) | Storage<br>(acre-ft) |
|--------------------|----------------------|
| 6.00               | 0.00                 |
| 6.50               | 0.00                 |
| 7.00               | 0.09                 |
| 7.50               | 0.36                 |
| 8.00               | 0.72                 |
| 8.50               | 1.17                 |
| 9.00               | 1.71                 |
| 9.50               | 2.48                 |
| 10.00              | 3.38                 |

Offsite Receiving Body: Offsitel

| Time<br>(hr) | Stage<br>(ft NGVD) |
|--------------|--------------------|
| 0.00         | 5.00               |
| 18.00        | 5.50               |
| 360.00       | 5.00               |

Structure: 1

From Basin: BASIN

To Basin: Offsitel

Structure Type: Gravity

Weir: None

Bleeder: Circular, Invert Elev = 7.25 ft NGVD, Diameter = 0.25 ft

Default Coefs: Weir Coef = 0.6, Orifice Coef = 0.6

Pipe: Diameter = 1 ft, Manning's n = 0.012, Length = 20 ft

US Invert Elev = 5.8 ft NGVD, DS Invert Elev = 5.3 ft NGVD, no flap gate

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 0.00         | 0.00                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.00                             |
| 1.00         | 0.05                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.03                             |
| 2.00         | 0.11                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.06                             |
| 3.00         | 0.18                           | 0.00                       | 0.00                          | 0.00                                 | 6.00                             | 5.08                             |
| 4.00         | 0.25                           | 0.00                       | 0.00                          | 0.00                                 | 6.02                             | 5.11                             |
| 5.00         | 0.34                           | 0.04                       | 0.00                          | 0.00                                 | 6.50                             | 5.14                             |
| 6.00         | 0.46                           | 0.09                       | 0.00                          | 0.00                                 | 6.53                             | 5.17                             |
| 7.00         | 0.59                           | 0.15                       | 0.00                          | 0.00                                 | 6.59                             | 5.19                             |
| 8.00         | 0.75                           | 0.22                       | 0.00                          | 0.00                                 | 6.67                             | 5.22                             |
| 9.00         | 0.94                           | 0.31                       | 0.00                          | 0.00                                 | 6.79                             | 5.25                             |
| 10.00        | 1.17                           | 0.43                       | 0.00                          | 0.00                                 | 6.96                             | 5.28                             |
| 11.00        | 1.48                           | 0.69                       | 0.00                          | 0.00                                 | 7.07                             | 5.31                             |
| 12.00        | 3.61                           | 8.25                       | 0.08                          | 0.00                                 | 7.49                             | 5.33                             |
| 13.00        | 4.22                           | 1.10                       | 0.17                          | 0.02                                 | 7.88                             | 5.36                             |
| 14.00        | 4.50                           | 0.64                       | 0.18                          | 0.03                                 | 7.95                             | 5.39                             |
| 15.00        | 4.68                           | 0.41                       | 0.19                          | 0.05                                 | 7.99                             | 5.42                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 16.00        | 4.84                           | 0.41                       | 0.19                          | 0.06                                 | 8.01                             | 5.44                             |
| 17.00        | 4.94                           | 0.25                       | 0.19                          | 0.08                                 | 8.02                             | 5.47                             |
| 18.00        | 5.04                           | 0.25                       | 0.19                          | 0.09                                 | 8.03                             | 5.50                             |
| 19.00        | 5.14                           | 0.25                       | 0.19                          | 0.11                                 | 8.03                             | 5.50                             |
| 20.00        | 5.24                           | 0.25                       | 0.19                          | 0.13                                 | 8.04                             | 5.50                             |
| 21.00        | 5.30                           | 0.17                       | 0.19                          | 0.14                                 | 8.04                             | 5.50                             |
| 22.00        | 5.37                           | 0.17                       | 0.19                          | 0.16                                 | 8.03                             | 5.49                             |
| 23.00        | 5.43                           | 0.17                       | 0.19                          | 0.17                                 | 8.03                             | 5.49                             |
| 24.00        | 5.50                           | 0.17                       | 0.19                          | 0.19                                 | 8.03                             | 5.49                             |
| 25.00        | 5.50                           | 0.00                       | 0.19                          | 0.20                                 | 8.02                             | 5.49                             |
| 26.00        | 5.50                           | 0.00                       | 0.19                          | 0.22                                 | 8.00                             | 5.49                             |
| 27.00        | 5.50                           | 0.00                       | 0.18                          | 0.23                                 | 7.98                             | 5.49                             |
| 28.00        | 5.50                           | 0.00                       | 0.18                          | 0.25                                 | 7.96                             | 5.49                             |
| 29.00        | 5.50                           | 0.00                       | 0.18                          | 0.26                                 | 7.94                             | 5.48                             |
| 30.00        | 5.50                           | 0.00                       | 0.17                          | 0.28                                 | 7.92                             | 5.48                             |
| 31.00        | 5.50                           | 0.00                       | 0.17                          | 0.29                                 | 7.90                             | 5.48                             |
| 32.00        | 5.50                           | 0.00                       | 0.17                          | 0.31                                 | 7.88                             | 5.48                             |
| 33.00        | 5.50                           | 0.00                       | 0.16                          | 0.32                                 | 7.86                             | 5.48                             |
| 34.00        | 5.50                           | 0.00                       | 0.16                          | 0.33                                 | 7.84                             | 5.48                             |
| 35.00        | 5.50                           | 0.00                       | 0.16                          | 0.35                                 | 7.82                             | 5.48                             |
| 36.00        | 5.50                           | 0.00                       | 0.15                          | 0.36                                 | 7.80                             | 5.47                             |
| 37.00        | 5.50                           | 0.00                       | 0.15                          | 0.37                                 | 7.79                             | 5.47                             |
| 38.00        | 5.50                           | 0.00                       | 0.15                          | 0.39                                 | 7.77                             | 5.47                             |
| 39.00        | 5.50                           | 0.00                       | 0.15                          | 0.40                                 | 7.75                             | 5.47                             |
| 40.00        | 5.50                           | 0.00                       | 0.14                          | 0.41                                 | 7.74                             | 5.47                             |
| 41.00        | 5.50                           | 0.00                       | 0.14                          | 0.42                                 | 7.72                             | 5.47                             |
| 42.00        | 5.50                           | 0.00                       | 0.14                          | 0.43                                 | 7.70                             | 5.46                             |
| 43.00        | 5.50                           | 0.00                       | 0.13                          | 0.44                                 | 7.69                             | 5.46                             |
| 44.00        | 5.50                           | 0.00                       | 0.13                          | 0.45                                 | 7.67                             | 5.46                             |
| 45.00        | 5.50                           | 0.00                       | 0.13                          | 0.46                                 | 7.66                             | 5.46                             |
| 46.00        | 5.50                           | 0.00                       | 0.12                          | 0.47                                 | 7.64                             | 5.46                             |
| 47.00        | 5.50                           | 0.00                       | 0.12                          | 0.48                                 | 7.63                             | 5.46                             |
| 48.00        | 5.50                           | 0.00                       | 0.12                          | 0.49                                 | 7.62                             | 5.46                             |
| 49.00        | 5.50                           | 0.00                       | 0.11                          | 0.50                                 | 7.60                             | 5.45                             |
| 50.00        | 5.50                           | 0.00                       | 0.11                          | 0.51                                 | 7.59                             | 5.45                             |
| 51.00        | 5.50                           | 0.00                       | 0.11                          | 0.52                                 | 7.58                             | 5.45                             |
| 52.00        | 5.50                           | 0.00                       | 0.10                          | 0.53                                 | 7.57                             | 5.45                             |
| 53.00        | 5.50                           | 0.00                       | 0.10                          | 0.54                                 | 7.55                             | 5.45                             |
| 54.00        | 5.50                           | 0.00                       | 0.10                          | 0.55                                 | 7.54                             | 5.45                             |
| 55.00        | 5.50                           | 0.00                       | 0.09                          | 0.55                                 | 7.53                             | 5.45                             |
| 56.00        | 5.50                           | 0.00                       | 0.09                          | 0.56                                 | 7.52                             | 5.44                             |
| 57.00        | 5.50                           | 0.00                       | 0.09                          | 0.57                                 | 7.51                             | 5.44                             |
| 58.00        | 5.50                           | 0.00                       | 0.08                          | 0.58                                 | 7.50                             | 5.44                             |
| 59.00        | 5.50                           | 0.00                       | 0.08                          | 0.58                                 | 7.49                             | 5.44                             |
| 60.00        | 5.50                           | 0.00                       | 0.07                          | 0.59                                 | 7.48                             | 5.44                             |
| 61.00        | 5.50                           | 0.00                       | 0.07                          | 0.59                                 | 7.47                             | 5.44                             |
| 62.00        | 5.50                           | 0.00                       | 0.06                          | 0.60                                 | 7.46                             | 5.44                             |
| 63.00        | 5.50                           | 0.00                       | 0.06                          | 0.60                                 | 7.45                             | 5.43                             |
| 64.00        | 5.50                           | 0.00                       | 0.05                          | 0.61                                 | 7.44                             | 5.43                             |
| 65.00        | 5.50                           | 0.00                       | 0.05                          | 0.61                                 | 7.43                             | 5.43                             |
| 66.00        | 5.50                           | 0.00                       | 0.05                          | 0.62                                 | 7.43                             | 5.43                             |
| 67.00        | 5.50                           | 0.00                       | 0.04                          | 0.62                                 | 7.42                             | 5.43                             |
| 68.00        | 5.50                           | 0.00                       | 0.04                          | 0.62                                 | 7.41                             | 5.43                             |
| 69.00        | 5.50                           | 0.00                       | 0.04                          | 0.63                                 | 7.41                             | 5.43                             |
| 70.00        | 5.50                           | 0.00                       | 0.04                          | 0.63                                 | 7.40                             | 5.42                             |
| 71.00        | 5.50                           | 0.00                       | 0.03                          | 0.63                                 | 7.40                             | 5.42                             |
| 72.00        | 5.50                           | 0.00                       | 0.03                          | 0.64                                 | 7.39                             | 5.42                             |
| 73.00        | 5.50                           | 0.00                       | 0.03                          | 0.64                                 | 7.39                             | 5.42                             |
| 74.00        | 5.50                           | 0.00                       | 0.03                          | 0.64                                 | 7.38                             | 5.42                             |
| 75.00        | 5.50                           | 0.00                       | 0.03                          | 0.64                                 | 7.38                             | 5.42                             |
| 76.00        | 5.50                           | 0.00                       | 0.02                          | 0.64                                 | 7.37                             | 5.42                             |
| 77.00        | 5.50                           | 0.00                       | 0.02                          | 0.65                                 | 7.37                             | 5.41                             |
| 78.00        | 5.50                           | 0.00                       | 0.02                          | 0.65                                 | 7.37                             | 5.41                             |
| 79.00        | 5.50                           | 0.00                       | 0.02                          | 0.65                                 | 7.36                             | 5.41                             |
| 80.00        | 5.50                           | 0.00                       | 0.02                          | 0.65                                 | 7.36                             | 5.41                             |
| 81.00        | 5.50                           | 0.00                       | 0.02                          | 0.65                                 | 7.36                             | 5.41                             |
| 82.00        | 5.50                           | 0.00                       | 0.02                          | 0.65                                 | 7.35                             | 5.41                             |
| 83.00        | 5.50                           | 0.00                       | 0.02                          | 0.66                                 | 7.35                             | 5.40                             |
| 84.00        | 5.50                           | 0.00                       | 0.02                          | 0.66                                 | 7.35                             | 5.40                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 85.00        | 5.50                           | 0.00                       | 0.02                          | 0.66                                 | 7.35                             | 5.40                             |
| 86.00        | 5.50                           | 0.00                       | 0.01                          | 0.66                                 | 7.34                             | 5.40                             |
| 87.00        | 5.50                           | 0.00                       | 0.01                          | 0.66                                 | 7.34                             | 5.40                             |
| 88.00        | 5.50                           | 0.00                       | 0.01                          | 0.66                                 | 7.34                             | 5.40                             |
| 89.00        | 5.50                           | 0.00                       | 0.01                          | 0.66                                 | 7.34                             | 5.40                             |
| 90.00        | 5.50                           | 0.00                       | 0.01                          | 0.66                                 | 7.34                             | 5.39                             |
| 91.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.33                             | 5.39                             |
| 92.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.33                             | 5.39                             |
| 93.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.33                             | 5.39                             |
| 94.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.33                             | 5.39                             |
| 95.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.33                             | 5.39                             |
| 96.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.33                             | 5.39                             |
| 97.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.32                             | 5.38                             |
| 98.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.32                             | 5.38                             |
| 99.00        | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.32                             | 5.38                             |
| 100.00       | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.32                             | 5.38                             |
| 101.00       | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.32                             | 5.38                             |
| 102.00       | 5.50                           | 0.00                       | 0.01                          | 0.67                                 | 7.32                             | 5.38                             |
| 103.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.32                             | 5.38                             |
| 104.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.37                             |
| 105.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.37                             |
| 106.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.37                             |
| 107.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.37                             |
| 108.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.37                             |
| 109.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.37                             |
| 110.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.37                             |
| 111.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.36                             |
| 112.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.36                             |
| 113.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.36                             |
| 114.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.31                             | 5.36                             |
| 115.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.30                             | 5.36                             |
| 116.00       | 5.50                           | 0.00                       | 0.01                          | 0.68                                 | 7.30                             | 5.36                             |
| 117.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.36                             |
| 118.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.35                             |
| 119.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.35                             |
| 120.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.35                             |
| 121.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.35                             |
| 122.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.35                             |
| 123.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.35                             |
| 124.00       | 5.50                           | 0.00                       | 0.00                          | 0.68                                 | 7.30                             | 5.35                             |
| 125.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.30                             | 5.34                             |
| 126.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.30                             | 5.34                             |
| 127.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.30                             | 5.34                             |
| 128.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.30                             | 5.34                             |
| 129.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.34                             |
| 130.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.34                             |
| 131.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.33                             |
| 132.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.33                             |
| 133.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.33                             |
| 134.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.33                             |
| 135.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.33                             |
| 136.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.33                             |
| 137.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.33                             |
| 138.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.32                             |
| 139.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.32                             |
| 140.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.32                             |
| 141.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.32                             |
| 142.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.32                             |
| 143.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.32                             |
| 144.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.32                             |
| 145.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.31                             |
| 146.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.31                             |
| 147.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.31                             |
| 148.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.31                             |
| 149.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.31                             |
| 150.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.31                             |
| 151.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.29                             | 5.31                             |
| 152.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.30                             |
| 153.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.30                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 154.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.30                             |
| 155.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.30                             |
| 156.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.30                             |
| 157.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.30                             |
| 158.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.30                             |
| 159.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.29                             |
| 160.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.29                             |
| 161.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.29                             |
| 162.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.29                             |
| 163.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.29                             |
| 164.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.29                             |
| 165.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.29                             |
| 166.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.28                             |
| 167.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.28                             |
| 168.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.28                             |
| 169.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.28                             |
| 170.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.28                             |
| 171.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.28                             |
| 172.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.27                             |
| 173.00       | 5.50                           | 0.00                       | 0.00                          | 0.69                                 | 7.28                             | 5.27                             |
| 174.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.27                             |
| 175.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.27                             |
| 176.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.27                             |
| 177.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.27                             |
| 178.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.27                             |
| 179.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.26                             |
| 180.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.26                             |
| 181.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.26                             |
| 182.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.26                             |
| 183.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.26                             |
| 184.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.26                             |
| 185.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.26                             |
| 186.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.25                             |
| 187.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.25                             |
| 188.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.25                             |
| 189.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.25                             |
| 190.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.25                             |
| 191.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.25                             |
| 192.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.28                             | 5.25                             |
| 193.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.24                             |
| 194.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.24                             |
| 195.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.24                             |
| 196.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.24                             |
| 197.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.24                             |
| 198.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.24                             |
| 199.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.24                             |
| 200.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.23                             |
| 201.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.23                             |
| 202.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.23                             |
| 203.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.23                             |
| 204.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.23                             |
| 205.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.23                             |
| 206.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.23                             |
| 207.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.22                             |
| 208.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.22                             |
| 209.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.22                             |
| 210.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.22                             |
| 211.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.22                             |
| 212.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.22                             |
| 213.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.21                             |
| 214.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.21                             |
| 215.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.21                             |
| 216.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.21                             |
| 217.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.21                             |
| 218.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.21                             |
| 219.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.21                             |
| 220.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.20                             |
| 221.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.20                             |
| 222.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.20                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 223.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.20                             |
| 224.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.20                             |
| 225.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.20                             |
| 226.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.20                             |
| 227.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.19                             |
| 228.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.19                             |
| 229.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.19                             |
| 230.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.19                             |
| 231.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.19                             |
| 232.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.19                             |
| 233.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.19                             |
| 234.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.18                             |
| 235.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.18                             |
| 236.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.18                             |
| 237.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.18                             |
| 238.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.18                             |
| 239.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.18                             |
| 240.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.18                             |
| 241.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.17                             |
| 242.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.17                             |
| 243.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.17                             |
| 244.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.17                             |
| 245.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.17                             |
| 246.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.17                             |
| 247.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.17                             |
| 248.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.16                             |
| 249.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.16                             |
| 250.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.16                             |
| 251.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.16                             |
| 252.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.16                             |
| 253.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.16                             |
| 254.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.15                             |
| 255.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.15                             |
| 256.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.15                             |
| 257.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.15                             |
| 258.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.15                             |
| 259.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.15                             |
| 260.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.15                             |
| 261.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.14                             |
| 262.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.14                             |
| 263.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.14                             |
| 264.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.14                             |
| 265.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.14                             |
| 266.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.14                             |
| 267.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.14                             |
| 268.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.13                             |
| 269.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.13                             |
| 270.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.13                             |
| 271.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.13                             |
| 272.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.13                             |
| 273.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.13                             |
| 274.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.13                             |
| 275.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.12                             |
| 276.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.12                             |
| 277.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.12                             |
| 278.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.12                             |
| 279.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.12                             |
| 280.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.12                             |
| 281.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.12                             |
| 282.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.11                             |
| 283.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.11                             |
| 284.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.11                             |
| 285.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.11                             |
| 286.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.11                             |
| 287.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.27                             | 5.11                             |
| 288.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.11                             |
| 289.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.10                             |
| 290.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.10                             |
| 291.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.10                             |

| Time<br>(hr) | Cumulative<br>Rainfall<br>(in) | Instant<br>Runoff<br>(cfs) | Current<br>Discharge<br>(cfs) | Cumulative<br>Discharge<br>(acre-ft) | Head Water<br>Stage<br>(ft NGVD) | Tail Water<br>Stage<br>(ft NGVD) |
|--------------|--------------------------------|----------------------------|-------------------------------|--------------------------------------|----------------------------------|----------------------------------|
| 292.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.10                             |
| 293.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.10                             |
| 294.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.10                             |
| 295.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.10                             |
| 296.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.09                             |
| 297.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.09                             |
| 298.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.09                             |
| 299.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.09                             |
| 300.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.09                             |
| 301.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.09                             |
| 302.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.08                             |
| 303.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.08                             |
| 304.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.08                             |
| 305.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.08                             |
| 306.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.08                             |
| 307.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.08                             |
| 308.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.08                             |
| 309.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.07                             |
| 310.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.07                             |
| 311.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.07                             |
| 312.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.07                             |
| 313.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.07                             |
| 314.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.07                             |
| 315.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.07                             |
| 316.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.06                             |
| 317.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.06                             |
| 318.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.06                             |
| 319.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.06                             |
| 320.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.06                             |
| 321.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.06                             |
| 322.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.06                             |
| 323.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.05                             |
| 324.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.05                             |
| 325.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.05                             |
| 326.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.05                             |
| 327.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.05                             |
| 328.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.05                             |
| 329.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.05                             |
| 330.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.04                             |
| 331.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.04                             |
| 332.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.04                             |
| 333.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.04                             |
| 334.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.04                             |
| 335.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.04                             |
| 336.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.04                             |
| 337.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.03                             |
| 338.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.03                             |
| 339.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.03                             |
| 340.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.03                             |
| 341.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.03                             |
| 342.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.03                             |
| 343.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.02                             |
| 344.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.02                             |
| 345.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.02                             |
| 346.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.02                             |
| 347.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.02                             |
| 348.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.02                             |
| 349.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.02                             |
| 350.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.01                             |
| 351.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.01                             |
| 352.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.01                             |
| 353.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.01                             |
| 354.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.01                             |
| 355.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.01                             |
| 356.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.01                             |
| 357.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.00                             |
| 358.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.00                             |
| 359.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.00                             |
| 360.00       | 5.50                           | 0.00                       | 0.00                          | 0.70                                 | 7.26                             | 5.00                             |

## STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

| Struc | Max (cfs) | Time (hr) | Min (cfs) | Time (hr) |
|-------|-----------|-----------|-----------|-----------|
| 1     | 0.19      | 20.50     | 0.00      | 0.00      |

## BASIN MAXIMUM AND MINIMUM STAGES

| Basin | Max (ft) | Time (hr) | Min (ft) | Time (hr) |
|-------|----------|-----------|----------|-----------|
| BASIN | 8.04     | 20.50     | 6.00     | 0.00      |

## BASIN WATER BUDGETS (all units in acre-ft)

| Basin | Total<br>Runoff | Structure<br>Inflow | Structure<br>Outflow | Initial<br>Storage | Final<br>Storage | Residual |
|-------|-----------------|---------------------|----------------------|--------------------|------------------|----------|
| BASIN | 0.94            | 0.00                | 0.70                 | 0.00               | 0.23             | 0.00     |

Soil Map—Lee County, Florida



## Soil Map—Lee County, Florida

## MAP LEGEND

|                                                                                     |                        |                                                                                   |                       |
|-------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------|
| <b>Area of Interest (AOI)</b>                                                       |                        |  | <b>Spoil Area</b>     |
|    | Area of Interest (AOI) |  | Stony Spot            |
| <b>Soils</b>                                                                        |                        |  | Very Stony Spot       |
|    | Soil Map Unit Polygons |  | Wet Spot              |
|    | Soil Map Unit Lines    |  | Other                 |
|    | Soil Map Unit Points   |  | Special Line Features |
| <b>Special Point Features</b>                                                       |                        | <b>Water Features</b>                                                             |                       |
|    | Blowout                |  | Streams and Canals    |
|    | Borrow Pit             | <b>Transportation</b>                                                             |                       |
|    | Clay Spot              |  | Rails                 |
|    | Closed Depression      |  | Interstate Highways   |
|    | Gravel Pit             |  | US Routes             |
|    | Gravelly Spot          |  | Major Roads           |
|    | Landfill               |  | Local Roads           |
|    | Lava Flow              | <b>Background</b>                                                                 |                       |
|    | Marsh or swamp         |  | Aerial Photography    |
|    | Mine or Quarry         |                                                                                   |                       |
|    | Miscellaneous Water    |                                                                                   |                       |
|  | Perennial Water        |                                                                                   |                       |
|  | Rock Outcrop           |                                                                                   |                       |
|  | Saline Spot            |                                                                                   |                       |
|  | Sandy Spot             |                                                                                   |                       |
|  | Severely Eroded Spot   |                                                                                   |                       |
|  | Sinkhole               |                                                                                   |                       |
|  | Slide or Slip          |                                                                                   |                       |
|  | Sodic Spot             |                                                                                   |                       |

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lee County, Florida  
Survey Area Data: Version 21, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 14, 2021—Nov 23, 2021

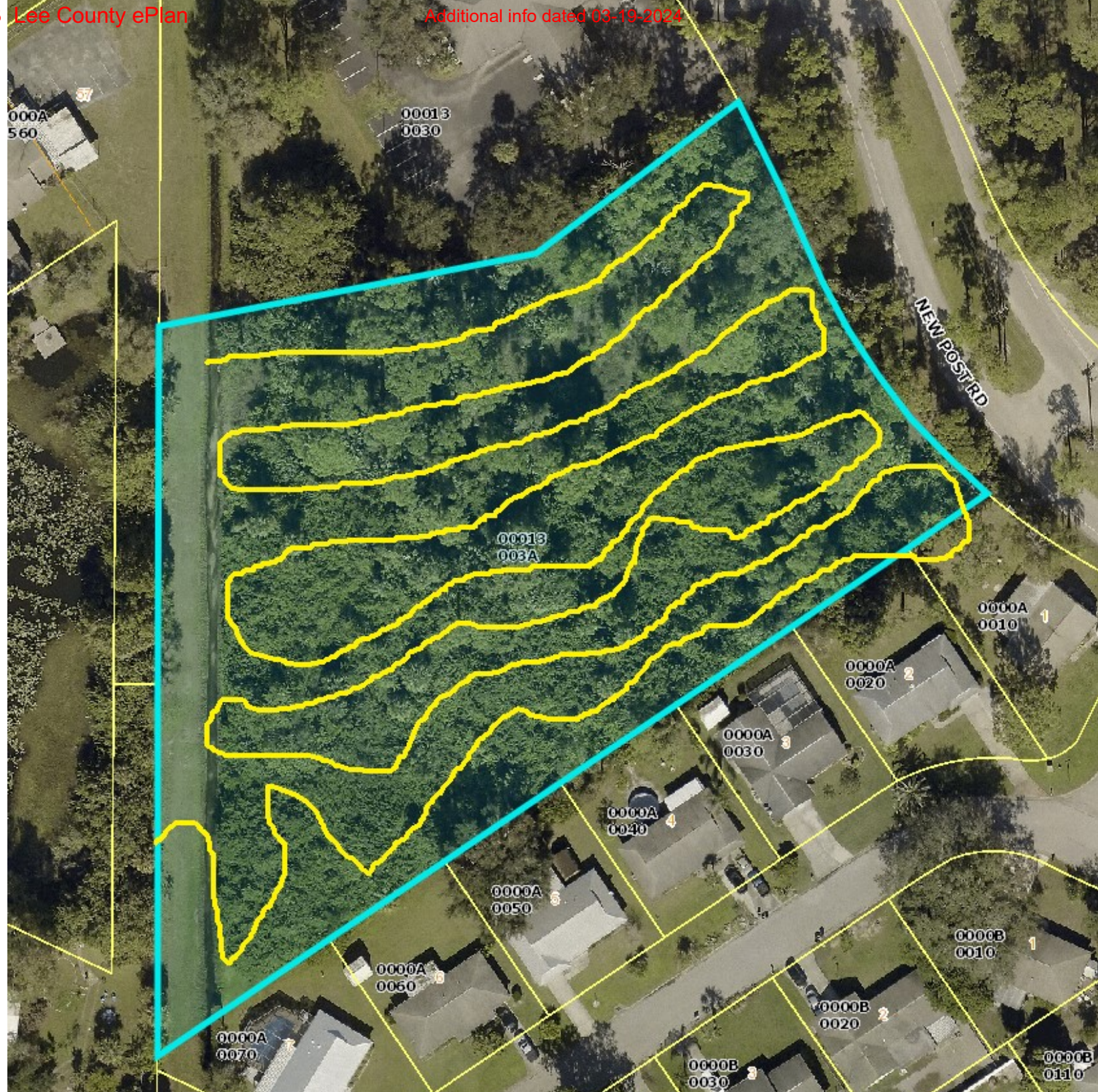
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map—Lee County, Florida

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**Map Unit Legend**

| Map Unit Symbol             | Map Unit Name                                            | Acres In AOI | Percent of AOI |
|-----------------------------|----------------------------------------------------------|--------------|----------------|
| 36                          | Immokalee sand-Urban land complex, 0 to 2 percent slopes | 2.7          | 100.0%         |
| Totals for Area of Interest |                                                          | 2.7          | 100.0%         |



# NEW POST RD – SELF STORAGE FACILITY

Project Location:  
New Post Road  
North Fort Myers, FL 33917

## TRAFFIC IMPACT STATEMENT

**December 18, 2023**

Prepared by:



**Andres Boral** | Digitally signed by Andres Boral  
Date: 2024.03.13 10:58:14 -04'00'

---

**Andres Boral, PE, MBA**

**Florida License Number: 80373**

Boral Engineering & Design, Inc.

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(P) 239-692-0509

9911 Corkscrew Rd. Ste. #222

Estero, FL 33928

## **PROJECT SCOPE**

The subject property (New Post Road) is ±2.93 acres. The project will include a new three-story Self-Storage facility building, along with a parking lot and associated site improvements such as drainage, landscaping, utilities, lighting, and a solid-waste enclosure. The project proposes only (1) driveway connection onto New Post Road to the East.

## **EXISTING ROADWAY CONDITIONS**

New Post Road is a county-maintained local road with a speed limit of 25mph and a min LOS standard E. It connects to Bayshore Road just 0.1 miles North of the subject property. Bayshore Road is a state-maintained arterial roadway with a speed limit of 50mph, a min LOS standard D and has a service capacity of 2,100 vphpd according to the Lee County 2021 Transportation Level of Service and Concurrency Report.

## **PROJECT GENERATED TRAFFIC**

Projected traffic for this project is estimated based upon the guidelines established by the Institute of Transportation Engineers, Trip Generation Manual, 11<sup>th</sup> Edition. ITE has compiled traffic data at similar Land Uses and is relied upon in estimating this project's traffic impact. It was concluded that Land Use Code "Mini-Warehouse" (LUC 151) is appropriate for estimating proposed project traffic. The AM and PM trips were calculated using the Peak Hour of Adjacent Street Traffic.

### **LUC 151 – Mini-Warehouse:**

Total Proposed = 102,222 SF

Unit of Measure = Per 1,000 SF of GFA

Units "X" = 103.0

### **Weekday, Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 AM:**

$T = (X) * 0.09$  (Average Rate) = **9 Trips** (Fitted Curve Not Given)

Directional Distribution: 59% entering **(5)**, 41% exiting **(4)**

### **Weekday, Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 PM:**

$T = (X) * 0.15$  (Average Rate) = **15 Trips** (Fitted Curve Not Given)

Directional Distribution: 47% entering **(7)**, 53% exiting **(8)**

### **Weekday, Daily Average:**

$T = (X) * 1.45$  (Average Rate) = **149 Trips** (Fitted Curve Not Given)

Directional Distribution: 50% entering **(75)**, 50% exiting **(74)**

**Table 1., Trip Generation**

| <b>LUC 151 - PER 1,000 SF OF GFA</b>        | <b>Trip Ends</b> | <b>Entering Trips</b> | <b>Exiting Trips</b> |
|---------------------------------------------|------------------|-----------------------|----------------------|
| <b>Weekday, Daily Average</b>               | <b>149</b>       | <b>75</b>             | <b>74</b>            |
| <b>Weekday Peak Hour of Adj. Street, AM</b> | <b>9</b>         | <b>5</b>              | <b>4</b>             |
| <b>Weekday Peak Hour of Adj. Street, PM</b> | <b>15</b>        | <b>7</b>              | <b>8</b>             |

## **ANTICIPATED TRAFFIC DISTRIBUTION**

The project's traffic was distributed to the surrounding roadway network based upon logical means of ingress/egress, along with current and future traffic patterns in the area. Cars will be entering/exiting the site from/onto New Post Road to the East. Due to the site's proximity to Bayshore Road, it is assumed that the distribution of trips on New Post Road will be 90% Northbound and 10% Southbound. Also, due to the site's location with regard to the level of development in Lee County, it is assumed that the distribution of trips on Bayshore Road will be 80% Westbound towards Cape Coral / Fort Myers, and 20% Eastbound towards Interstate Highway 75.

## **TRIP DIRECTIONAL DISTRIBUTION**

|                      |            |                                                                               |
|----------------------|------------|-------------------------------------------------------------------------------|
| <b>New Post Road</b> | <b>90%</b> | of vehicle trips to/from the <b>North</b> accessing <b>Bayshore Road</b>      |
|                      | <b>10%</b> | of vehicle trips to/from the <b>South</b> towards <b>Old Bridge Road</b>      |
| <b>Bayshore Road</b> | <b>80%</b> | of vehicle trips to/from the <b>West</b> towards <b>North Tamiami Trail</b>   |
|                      | <b>20%</b> | of vehicle trips to/from the <b>East</b> towards <b>Interstate Highway 75</b> |

\*Please see Exhibit 1 & 2 for Directional Distribution & Quantified Trips

## **LINK ANALYSIS – BAYSHORE ROAD (Between N Tamiami Trail & New Post Rd)**

Based upon the Lee County 2021 Transportation Concurrency Report, the 2020 100th Highest Hour Directional volume along Bayshore Road between N Tamiami Trail and New Post Road is 1,750 v.p.h. The projected Peak Directional Traffic along Bayshore Road is  $1,750 + (6) = 1,756$  v.p.h. Based upon the Lee County Generalized Directional Service Volumes, this value corresponds to a LOS "C" for this portion of Bayshore Road. Thus, no additional improvements to Bayshore Road are required.

**Table 2., Road Link Capacity Analysis**

| ROADWAY LINK        |        |                     | ROAD TYPE | PERFORMANCE STANDARD |          | 2020 100TH HIGHEST HOUR |        | FORECAST FUTURE |        |
|---------------------|--------|---------------------|-----------|----------------------|----------|-------------------------|--------|-----------------|--------|
| NAME                | FROM   | TO                  |           | LOS                  | CAPACITY | LOS                     | VOLUME | LOS             | VOLUME |
| BAYSHORE RD (SR 78) | BUS 41 | NEW POST RD/HART RD | 4LD       | D                    | 2,100    | C                       | 1,750  | C               | 1,925  |

## **TURN LANE ANALYSIS (PROJECT ENTRANCE / NEW POST RD)**

Using the Lee County AC-11-4 Turn Lane Policy:

The posted speed limit along this segment of New Post Rd adjacent to the development is **25** MPH.

### **Left Deceleration/Turn Lane (Minimum Two Warrants Met):**

#### **Collector Street:**

1. Posted speed limit of the collector street is equal to or greater than thirty-five (35) M.P.H. and the peak hour left turning movement is twenty (20) or more as conditioned herein.

#### **Warrant Not Met**

2. Left Turning movements on two-lane two-way collectors, whose estimated two-way peak season peak hour through volume is equal to or greater than 800 vehicles per hour, is equal to or greater than 22 Left-Turning movements.

#### **Warrant Not Met**

3. Available Sight Distance for left turning vehicles to observe approaching traffic or for approaching traffic moving in either direction to observe the left turning vehicle is less than the value shown Table A-I for the posted speed limit of the collector street.

#### **Warrant Not Met**

4. Traffic Control of the intersecting street or access point connection is a traffic signal.

#### **Warrant Not Met**

### **Separate Left Turn Lane (Minimum Two Warrants Met):**

#### **Intersection/Connection to Collector Street:**

- (a) Posted speed limit of the intersecting street or access point connection is equal to or greater than thirty-five (35) M.P.H.

#### **Warrant Not Met**

- (b) Number of left turning vehicles from the intersecting street or access point connection is equal to or greater than sixty (60) vehicles during either the AM or PM peak period of the collector street.

#### **Warrant Not Met**

- (c) Traffic Control of the intersecting street or access point connection is a traffic signal.

#### **Warrant Not Met**

**Right Deceleration/Turn Lane (Minimum Two Warrants Met):****Collector Street:**

1. Posted speed limit of the collector street is equal to or greater than thirty-five (35) M.P.H.

**Warrant Not Met**

2. Number of right turning movements from the collector street is equal to or greater than forty-five (45) during either the AM or PM peak hour of the collector street.

**Warrant Not Met**

3. Available Sight Distance for a right turning vehicle to be seen by through traffic traveling in the same direction is less than the value shown in Table A-I for the speed limit of the collector street.

**Warrant Not Met**

4. Traffic Control of the intersecting street or access point connection is a traffic signal.

**Warrant Not Met****Separate Right Turn Lane (Minimum Two Warrants Met):****Intersection/Connection to Collector Street:**

- (a) Posted speed limit of the intersecting street or access point connection is equal to or greater than thirty-five (35) M.P.H.

**Warrant Not Met**

- (b) Number of right turning vehicles from the intersecting street or access point connection is equal to or greater than ninety (90) vehicles during either the AM or PM peak period of the collector street.

**Warrant Not Met**

- (c) Traffic Control of the intersecting street or access point connection is a traffic signal.

**Warrant Not Met****TURN LANE ANALYSIS (NEW POST RD / BAYSHORE RD)**

Using the Lee County AC-11-4 Turn Lane Policy:

The posted speed limit along this segment of Bayshore Rd adjacent to the development is **50** MPH.

**Left Deceleration/Turn Lane (Minimum Two Warrants Met):****Arterial Street:**

1. Posted speed limit of the arterial street is equal to or greater than thirty-five (35) M.P.H. and the peak hour left turning movement is ten (10) or more as conditioned herein.

**Warrant Not Met**

2. Left Turning movements from the arterial exceed ten (10) during either the AM or PM peak hour of the arterial street and the opposing through traffic volume is greater than 1,000 vehicles for peak hour volume.

**Warrant Not Met**

3. Available Sight Distance for left turning vehicles to observe approaching traffic or for approaching traffic moving in either direction to observe the left turning vehicle is less than the value shown Table A-I for the posted speed of the arterial street.

**Warrant Not Met**

4. Arterial Street has been designated as a controlled access facility by the B.O.C.C.

**Warrant Not Met**

5. Traffic Control of the intersecting street or access point connection is by a traffic signal.

**Warrant Met**

**Separate Left Turn Lane (Minimum Two Warrants Met):**

*Intersection/Connection to **Arterial** Street:*

- (d) Posted speed limit of the intersecting street or access point connection is equal to or greater than forty-five (45) M.P.H.

**Warrant Not Met**

- (e) Number of left turning vehicles from the intersecting street or access point connection is equal to or greater than thirty (30) vehicles during either the AM or PM peak period of the arterial street.

**Warrant Not Met**

- (f) Arterial Street, which is being entered, has been designated as a controlled access facility by the B.O.C.C.

**Warrant Not Met**

- (g) Traffic Control of the intersecting street or access point connection is a traffic signal.

**Warrant Met**

**Right Deceleration/Turn Lane (Minimum Two Warrants Met):****Arterial Street:**

6. Posted speed limit of the arterial street is equal to or greater than thirty-five (35) M.P.H.

**Warrant Met**

7. Number of right turning movements from the arterial street is equal to or greater than thirty (30) during either the AM or PM peak hour of the arterial street.

**Warrant Not Met**

8. Available Sight Distance for a right turning vehicle to be seen by through traffic traveling in the same direction is less than the value shown in Table A-I for the speed limit of the arterial street.

**Warrant Not Met**

9. Arterial Street has been designated as a controlled access facility by the B.O.C.C.

**Warrant Not Met**

10. Traffic Control of the intersecting street or access point connection is a traffic signal.

**Warrant Met****Separate Right Turn Lane (Minimum Two Warrants Met):****Intersection/Connection to Arterial Street:**

- (d) Posted speed limit of the intersecting street or access point connection is equal to or greater than forty-five (45) M.P.H.

**Warrant Not Met**

- (e) Number of right turning vehicles from the intersecting street or access point connection is equal to or greater than sixty (60) vehicles during either the AM or PM peak period of the arterial street.

**Warrant Not Met**

- (f) Arterial Street, which is being entered, has been designated as a controlled access facility by the B.O.C.C.

**Warrant Not Met**

- (g) Traffic Control of the intersecting street or access point connection is a traffic signal.

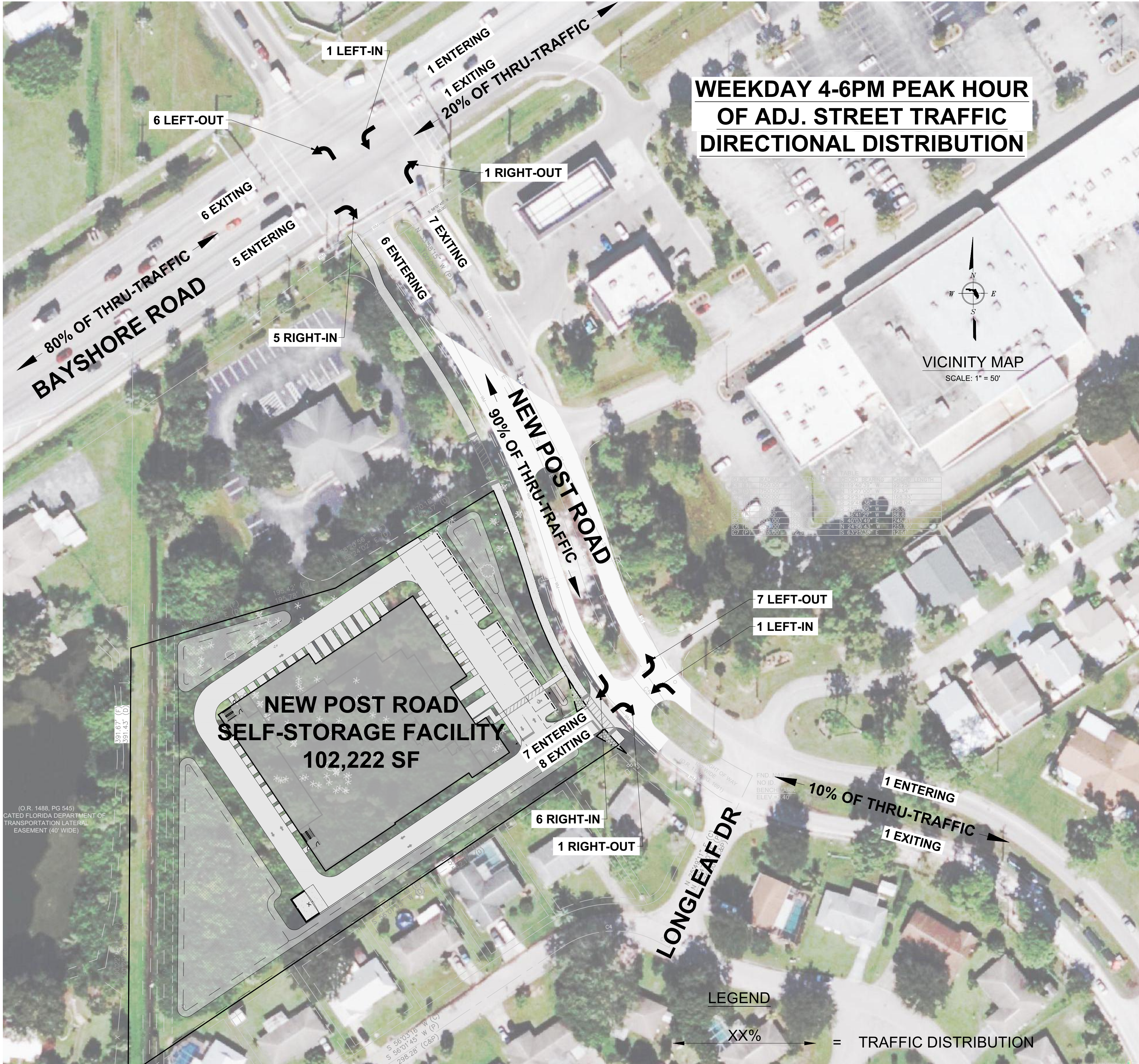
**Warrant Met**

**Summary:**

Based upon Lee County AC-11-4 Turn Lane Policy, only an off-site Right-Turn deceleration lane is warranted along Bayshore Road by the projected project traffic. However, a Right-Turn deceleration lane already exists at this intersection of Bayshore Road and New Post Road. Therefore, a new deceleration lane is not required. The proposed trips expected to use the turn lane will be accommodated by the existing infrastructure.

**CONCLUSIONS**

This report concludes that the New Post Road – Self-Storage Facility will not create a significant or negative impact to the surrounding roadway network. It was verified that all roadways, within the project's area of impact, currently have a surplus of capacity and can accommodate the traffic associated with the development of a 102,222 square foot mini-warehouse building and the network will continue to operate at acceptable levels of service for project build-out traffic conditions. Furthermore, the report concludes that the project will not create any transportation deficiencies that need to be mitigated.



**SITE DATA TABLE**

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| SITE ADDRESS:                        | NEW POST ROAD<br>NORTH FORT MYERS, FL 33917 |
| STRAP NUMBER(S):                     | 36-43-24-00-00013.003A                      |
| ITE TRIP GEN. 11TH EDITION USE CODE: | (151) MINI-WAREHOUSE                        |
| UNITS CALCULATED:                    | PER 1,000 SF OF GFA                         |
| PROJECT'S BLDG. AREA:                | 102,222 SF BLDG.                            |
| UNITS "X" USED:                      | 103.0 UNITS                                 |

**WEEKDAY 4-6PM, PEAK HOUR OF ADJ ST TRAFFIC DISTRIBUTION**

**TOTAL DIRECTIONAL DISTRIBUTION:**

|                  |          |
|------------------|----------|
| MAXIMUM TRIPS =  | 15 TRIPS |
| ENTERING (47%) = | 7 TRIPS  |
| EXITING (53%) =  | 8 TRIPS  |

**WEEKDAY 4-6PM, PEAK HOUR OF ADJ ST TRAFFIC TRIPS COUNTS**

**NEW POST ROAD (LOCAL ROAD):**

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 4-6PM, PEAK HOUR OF ADJ STREET TRAFFIC **ENTERING** FROM NEW POST ROAD IS ESTIMATED TO BE **90% SOUTHBOUND** AND **10% NORTHBOUND** TRAFFIC.

|                          |                                 |
|--------------------------|---------------------------------|
| MAXIMUM ENTERING TRIPS = | 7 TRIPS                         |
| SOUTHBOUND (7 X 90%) =   | 6 (RIGHT-IN FROM NEW POST ROAD) |
| NORTHBOUND (7 X 10%) =   | 1 (LEFT-IN FROM NEW POST ROAD)  |

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 4-6PM, PEAK HOUR OF ADJ STREET TRAFFIC **EXITING** ONTO NEW POST ROAD IS ESTIMATED TO BE **90% NORTHBOUND** AND **10% SOUTHBOUND** TRAFFIC.

|                         |                                  |
|-------------------------|----------------------------------|
| MAXIMUM EXITING TRIPS = | 8 TRIPS                          |
| NORTHBOUND (8 X 90%) =  | 7 (LEFT-OUT ONTO NEW POST ROAD)  |
| SOUTHBOUND (8 X 10%) =  | 1 (RIGHT-OUT ONTO NEW POST ROAD) |

**BAYSHORE ROAD (ARTERIAL ROADWAY):**

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 4-6PM, PEAK HOUR OF ADJ STREET TRAFFIC **ENTERING** FROM BAYSHORE ROAD IS ESTIMATED TO BE **80% EASTBOUND** AND **20% WESTBOUND** TRAFFIC.

|                          |                                 |
|--------------------------|---------------------------------|
| MAXIMUM ENTERING TRIPS = | 6 TRIPS                         |
| EASTBOUND (6 X 80%) =    | 5 (RIGHT-IN FROM BAYSHORE ROAD) |
| WESTBOUND (6 X 20%) =    | 1 (LEFT-IN FROM BAYSHORE ROAD)  |

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 4-6PM, PEAK HOUR OF ADJ STREET TRAFFIC **EXITING** ONTO BAYSHORE ROAD IS ESTIMATED TO BE **80% WESTBOUND** AND **20% EASTBOUND** TRAFFIC.

|                         |                                  |
|-------------------------|----------------------------------|
| MAXIMUM EXITING TRIPS = | 7 TRIPS                          |
| WESTBOUND (7 X 80%) =   | 6 (LEFT-OUT ONTO BAYSHORE ROAD)  |
| EASTBOUND (7 X 20%) =   | 1 (RIGHT-OUT ONTO BAYSHORE ROAD) |

**NOTES:**

THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN SIZE BY REPRODUCTION(S). THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

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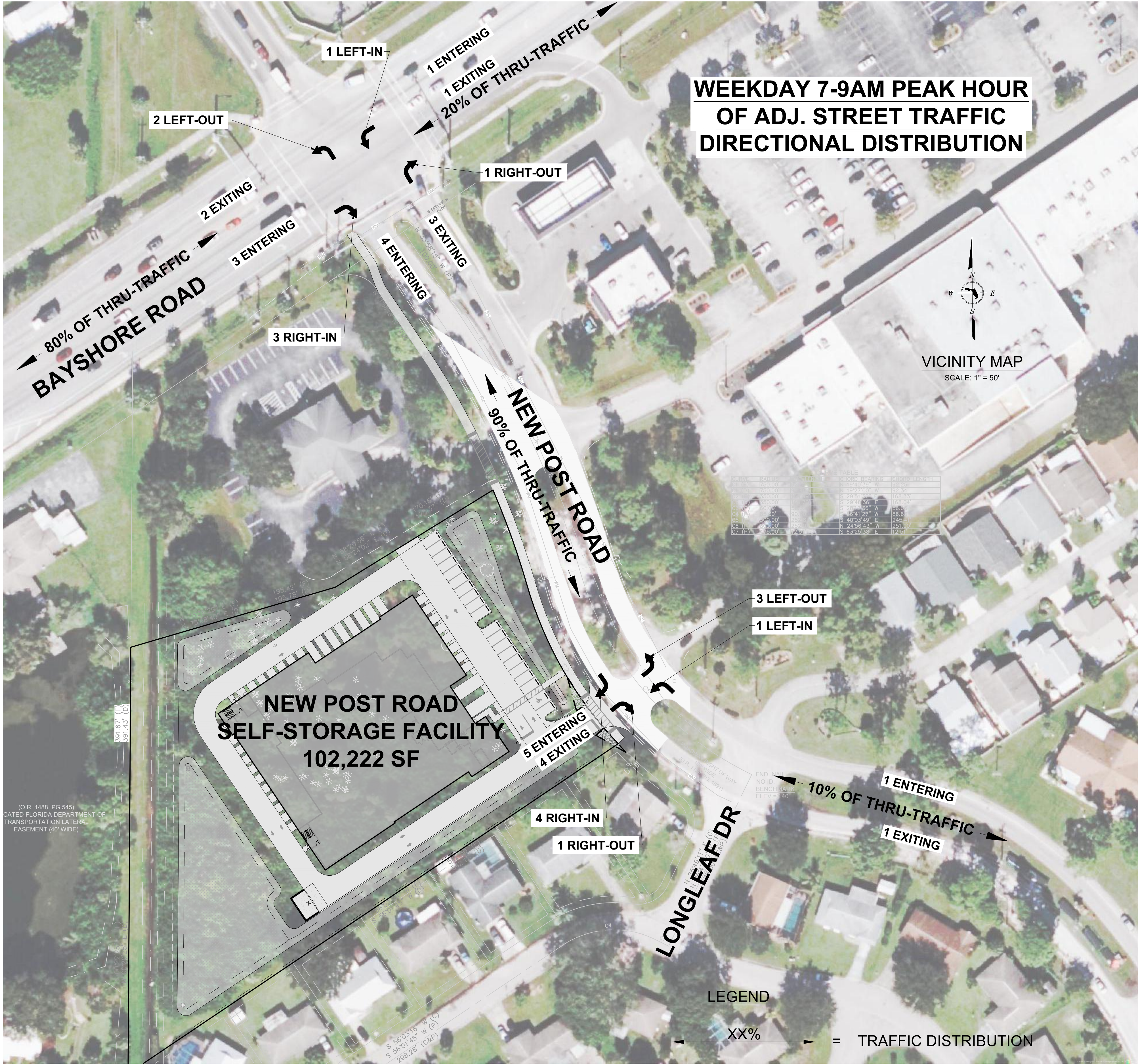


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|                                                                              |                                                                                                                                                         |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT:                                                                     | 22-122                                                                                                                                                  |
| DATE:                                                                        | 09/22                                                                                                                                                   |
| OWNER:                                                                       | MICHAEL LESSIG<br>23150 FASHION DR, SUITE 200, ESTERO FL 33928<br>ANDRES@BORALENGINEERING.COM<br>(P) 239-692-6509                                       |
| ENGINEER:                                                                    | ANDRES BORAL, PE, MEA<br>LICENSE # 80371 FDE # 31552<br>23150 FASHION DR, SUITE 200, ESTERO FL 33928<br>ANDRES@BORALENGINEERING.COM<br>(P) 239-692-6509 |
| REVISION DESCRIPTION                                                         |                                                                                                                                                         |
| DATE                                                                         | BY                                                                                                                                                      |
| NEW POST ROAD<br>SELF-STORAGE FACILITY<br>NORTH FORT MYERS,<br>FLORIDA 33917 |                                                                                                                                                         |
| TRAFFIC<br>PM TRIP DISTRIBUTION                                              |                                                                                                                                                         |
| SHEET<br>1 OF 2                                                              |                                                                                                                                                         |



**SITE DATA TABLE**

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| SITE ADDRESS:                        | NEW POST ROAD<br>NORTH FORT MYERS, FL 33917 |
| STRAP NUMBER(S):                     | 36-43-24-00-00013.003A                      |
| ITE TRIP GEN. 11TH EDITION USE CODE: | (151) MINI-WAREHOUSE                        |
| UNITS CALCULATED:                    | PER 1,000 SF OF GFA                         |
| PROJECT'S BLDG. AREA:                | 102,222 SF BLDG.                            |
| UNITS "X" USED:                      | 103.0 UNITS                                 |

**WEEKDAY 7-9AM, PEAK HOUR OF ADJ ST TRAFFIC DISTRIBUTION**

**TOTAL DIRECTIONAL DISTRIBUTION:**

|                  |         |
|------------------|---------|
| MAXIMUM TRIPS =  | 9 TRIPS |
| ENTERING (59%) = | 5 TRIPS |
| EXITING (41%) =  | 4 TRIPS |

**WEEKDAY 7-9AM, PEAK HOUR OF ADJ ST TRAFFIC TRIPS COUNTS**

**NEW POST ROAD (LOCAL ROAD):**

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 7-9AM, PEAK HOUR OF ADJ STREET TRAFFIC ENTERING FROM NEW POST ROAD IS ESTIMATED TO BE 90% SOUTHBOUND AND 10% NORTHBOUND TRAFFIC.

|                          |                                 |
|--------------------------|---------------------------------|
| MAXIMUM ENTERING TRIPS = | 5 TRIPS                         |
| SOUTHBOUND (5 X 90%) =   | 4 (RIGHT-IN FROM NEW POST ROAD) |
| NORTHBOUND (5 X 10%) =   | 1 (LEFT-IN FROM NEW POST ROAD)  |

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 7-9AM, PEAK HOUR OF ADJ STREET TRAFFIC EXITING ONTO NEW POST ROAD IS ESTIMATED TO BE 90% NORTHBOUND AND 10% SOUTHBOUND TRAFFIC.

|                         |                                  |
|-------------------------|----------------------------------|
| MAXIMUM EXITING TRIPS = | 4 TRIPS                          |
| NORTHBOUND (4 X 90%) =  | 3 (LEFT-OUT ONTO NEW POST ROAD)  |
| SOUTHBOUND (4 X 10%) =  | 1 (RIGHT-OUT ONTO NEW POST ROAD) |

**BAYSHORE ROAD (ARTERIAL ROADWAY):**

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 7-9AM, PEAK HOUR OF ADJ STREET TRAFFIC ENTERING FROM BAYSHORE ROAD IS ESTIMATED TO BE 80% EASTBOUND AND 20% WESTBOUND TRAFFIC.

|                          |                                 |
|--------------------------|---------------------------------|
| MAXIMUM ENTERING TRIPS = | 4 TRIPS                         |
| EASTBOUND (4 X 80%) =    | 3 (RIGHT-IN FROM BAYSHORE ROAD) |
| WESTBOUND (4 X 20%) =    | 1 (LEFT-IN FROM BAYSHORE ROAD)  |

THE TRAFFIC DISTRIBUTION FOR THE WEEKDAY 7-9AM, PEAK HOUR OF ADJ STREET TRAFFIC EXITING ONTO BAYSHORE ROAD IS ESTIMATED TO BE 80% WESTBOUND AND 20% EASTBOUND TRAFFIC.

|                         |                                  |
|-------------------------|----------------------------------|
| MAXIMUM EXITING TRIPS = | 3 TRIPS                          |
| WESTBOUND (3 X 80%) =   | 2 (LEFT-OUT ONTO BAYSHORE ROAD)  |
| EASTBOUND (3 X 20%) =   | 1 (RIGHT-OUT ONTO BAYSHORE ROAD) |

**NOTES:**

THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN SIZE BY REPRODUCTION(S). THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

|                                                                              |                                                                                                                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT:                                                                     | 22-122                                                                                                                                                       |
| DATE:                                                                        | 09/22                                                                                                                                                        |
| OWNER:                                                                       | ANDRES BORAL, PE, MBA<br>LICENSE # 80371, F.P.E. # 31552<br>23150 FASHION DR., SUITE 200, ESTERO FL 33928<br>ANDRES@BORALENGINEERING.COM<br>(P) 239-692-6509 |
| OWNER:                                                                       | MICHAEL LESSIG<br>23150 FASHION DR., SUITE 200, ESTERO FL 33928<br>NORTH FORT MYERS, FL 33917<br>WWW.BORALENGINEERING.COM                                    |
| REVISION DESCRIPTION                                                         |                                                                                                                                                              |
| BY                                                                           |                                                                                                                                                              |
| DATE                                                                         |                                                                                                                                                              |
| NEW POST ROAD<br>SELF-STORAGE FACILITY<br>NORTH FORT MYERS,<br>FLORIDA 33917 |                                                                                                                                                              |
| TRAFFIC<br>AM TRIP DISTRIBUTION                                              |                                                                                                                                                              |
| SHEET<br>2 OF 2                                                              |                                                                                                                                                              |