November 28, 2022

# Engineering Report

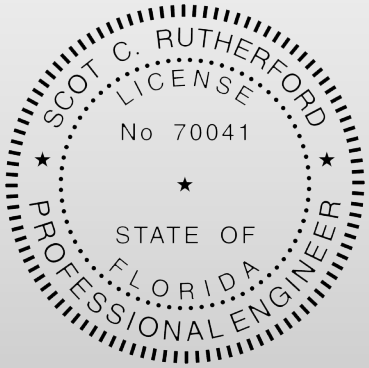
for

## Lakewood Townhomes

Lakewood Drive
Parker, Florida

Prepared for:

**Ayala Properties, LLC**
232 S Glades Trail
Panama City Beach, Florida 32407




SCR & Associates
ENGINEERING - SURVEYING

PO Box 958
Lynn Haven, Florida, 32444
Ph. 850.265.6979
Fax. 850.265.9942
email: scot@scr.us.com

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APPENDIX A

- Site Data Table
- Time of Concentration
- Curve Number Worksheet

APPENDIX B

- ICPR Stormwater Model

APPENDIX C

- Council Meeting Minutes March 1, 2022, 5:30 pm

# 1. Project Introduction

## 1.1 General Property Description

- The subject property is currently owned by Ayala Properties, LLC. Theses parcels are located on Lakewood Drive in Parker, Florida. The residential structures were damaged beyond repair during Hurricane Micheal in October of 2018. The applicant is rebuilding the structures and replacing the damaged facilities within the existing footprint and existing conditions.
- Approval for reconstruction granted by the City of Parker city council in the Minutes Counsel Meeting. See Appendix C

## 1.2 Existing Site Conditions

- The site has been previously developed. The structures were damaged beyond repair by Hurricane Micheal and have been removed
- The existing topography of the site is relatively steep sloping front to back.
- Stormwater runoff from the site is carried by overland flow to the rear of the property and into Martin Lake.

## 1.3 Proposed Site & Stormwater Conditions

- The reconstruction of the previous structures along with the supporting sidewalks and driveways.
- Stormwater runoff will continue to be directed to Martin Lake in post-development as in existing conditions.

# 2. Stormwater Design Summary

## 2.1 Hydrologic Evaluation

- Pre-development run-off was determined using the SCS TR-20 method utilizing the Time of Concentration ($Tc_{(pre)}$) derived by TR-55 Manual for Small Urban Watersheds methodology. The pre-development hydrologic findings are summarized in Appendix A.

## 2.2 Elevation Datum

- All vertical values for this project refer to North American Vertical Datum 1988 (NAVD-88)

## 2.3 Water Quality Standards

- To meet the requirements of the City of Parker Land Development Code (LDC) and Chapter 62-330 of the Florida Administrative Code for water quality, the stormwater management facility for this project must provide for the treatment of the first 1 inch of runoff with the full volume being available again in 72 hours.
- To meet the requirements of the ERP Applicant's Handbook Volume II, Part IV, Section 4.12. The on-line dry retention systems must be designed to treat the run-off from the first 1 inch of rainfall over the contributing basin with the full volume being available again in 72 hours.

## 2.4 Proposed Stormwater Design

- There is no proposed stormwater facility for this site. Pursuant the City of Parker's Land Development Code (LDC) and FDEP's Environmental Resource Permit (ERP) Applicants Handbook Vol. I section 62-330.020, regulated activity, the project does not require an ERP.
- The project will be treated as a single drainage basin with the run-off being directed to the rear of the lot and into Martin Lake

### 2.5 Stormwater Design Conclusions

- The post-development run-off does not exceeding the pre-development run-off rate.

### 2.6 Base Flood Elevation

- The site is in a FEMA AE Flood Hazard Zone with a base flood elevation (BFE) of 9.0. The Finished Floor is set at a minimum of 24 inches above the highest adjacent grade

## 3. Environmental Assessment

- According to the national wetlands inventory, no wetlands are on site, therefore, no wetlands impacts are anticipated due to construction.

## 4. Sedimentation & Erosion Control Measures

### 4.1 Erosion Controls/Sediment Barriers

- Type III silt fencing is to be installed around the entire perimeter of the project site, stormwater facility site and extended around the perimeter of any off-site grading. It is to be installed in compliance with the standards set forth by the Florida Department of Environment Protection Agency (FDEP) and the Florida Department of Transportation (FDOT) Design Standards Index no. 102. Regular inspection and maintenance of the fence will be performed during construction and after a storm event as required by FDEP regulations.

## 5. Concurrency

### 5.1 Transportation System and Facilities

- The site was previously developed prior to Hurricane Micheal and the existing structures were destroyed beyond repair. The project consists of the rebuilding of the structures and replacement of damaged driveways and sidewalk. There will be no new traffic, therefore no changes to the transportation system

### 5.2 Sewer Systems or Facilities

- There are no new sewer connections for this project, all sewer connections are existing. There will be no changes to the sewer system

### 5.3 Solid Waste Systems or Facilities

- Prior to Hurricane Micheal, the subject parcels had 8 unit total. The Proposed project calls for the units to be rebuilt and add no new units. There will be no changes to the solid waste systems.

### 5.4 Drainage System of Facilities

- There are no stormwater facilities proposed for the project. The stormwater will follow the Pre–Hurricane Michael. The storm water will flow from the front, along Lakewood Dr., to the rear and into Martin Lake. The flow pattern matches the Pre-Hurricane Micheal path. Due to no significant changes in the property or use there is no new drainage systems.

# APPENDIX A

- Site Data Table
- Time of Concentration
- Curve Number Worksheet

# Lakewood Townhomes Site Data Table

| | sf | ac |
|---|---|---|
| Project Site | 25960.76 | 0.596 |

| | Pre-Huricane | | Pre-Reconsruction | | Post-Reconstruction | |
|---|---|---|---|---|---|---|
| | sf | ac | sf | ac | sf | ac |
| Buldings | 4260.61 | 0.0978 | 0.00 | 0.000 | 4998.33 | 0.1147 |
| Impervious (road, sidewalks etc) | 3419.30 | 0.079 | 1846.20 | 0.042 | 2355.30 | 0.0541 |
| Total Impervious | 7679.91 | 0.176 | 1846.20 | 0.042 | 7,353.63 | 0.1688 |
| Pond | 0.00 | 0.000 | 0.00 | 0.000 | 1,945 | 0.0446 |
| Total Impervious with Pond | 7679.91 | 0.176 | 1846.20 | 0.042 | 9298.35 | 0.2130 |
| | | | | | | |
| Pervious | 18280.85 | 0.420 | 24114.56 | 0.554 | 16,662.41 | 0.3825 |
| Total Pervious | 18280.85 | 0.420 | 24114.56 | 0.554 | 16662.41 | 0.3830 |
| | PASS | PASS | PASS | PASS | PASS | PASS |

## Pond Data

| | ELEV. (ft) | AREA (ac) | AREA (sf) | AVG AREA (sf) | AVG AREA (ac) | VOLUME (cf) | CUMULATIVE VOL (cf) | CUMULATIVE VOL (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| bttm | 4.00 | 0.008 | 351 | | | 0 | 0 | 0.000 |
| | | | | 1,148 | 0.026 | 1,148 | | |
| top | 5.00 | 0.045 | 1,945 | | | | 1,148 | |
| | | | | | 0.000 | 0 | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | Basin | | Pre-Huricane | Pre-Construction | Post-Construction |
|---|---|---|---|---|---|---|
| **Sheet flow** (Applicable to Tc only) | | | | | | |
| | | **Segment ID** | | GRASS Surface | GRASSED Surface | GRASSED Surface |
| 1 | Surface Description (* Table 3-1) | | | | | |
| 2 | Manning's Roughness coeff., n (* Table 3-1) | | | 0.17 | 0.130 | 0.170 |
| 3 | Flow Length, L (total L ≤ 300 ft) | | ft | 162 | 162 | 162 |
| 4 | 2-Yr 24-Hr rainfall, $P_2$ | | in | 6 | 6 | 6 |
| 5 | Land slope, s | | ft/ft | 0.1 | 0.1 | 0.1 |
| 6 | $T_t = 0.007(nL)^{0.8} / P_2^{0.5} s^{0.4}$ | | hr | 0.102 | 0.082 | 0.102 |
| | | | | | | |
| **Shallow Concentrated Flow** | | | | | | |
| | | **Segment ID** | | | | |
| 7 | Surface Description (Paved or Unpaved) | | | Unpaved | Paved | Paved |
| 8 | Flow Length, L | | ft | 0 | 0 | 0 |
| 9 | Watercourse slope, s | | ft/ft | 0 | 0 | 0 |
| 10 | Average Velocity, V (* figure 3-1 or eq.) | | ft/s | 0 | 0 | 0 |
| 11 | $T_t$ = L / 3600V | | hr | 0.00 | 0 | 0 |
| **Channel Flow** | | | | | | |
| | | **Segment ID** | | | | |
| 12 | Flow Length, L | | ft | 0 | 0 | 0 |
| 13 | $T_t$ = L / 3600V (V is assumed at 2 ft/s) | | hr | 0.00 | 0.00 | 0.00 |
| 14 | Watershed or subarea $T_c$ or $T_t$ (Adding $T_t$ in Steps 6,11,and 19) | | Total hr | 0.10 | 0.082 | 0.102 |
| | | | or | | | |
| | | | Calc. min | 6 | 4.9 | 6.1 |
| | | | Total min | 6 | 6 | 6 |

- The following calculations are based on the finding of the geotechincal exploration of the soils within the limits of the site.

- Weighted Curve Number calculations are based on the following: $CN = \frac{\sum(CN_i * Area_i)}{\text{Total Area}}$

- PRE-HURICANE CALCULATION

Total Area = 0.596 acres

| HSG SOIL TYPE | COVER TYPE | CONDITIONS | $AREA_i$ (ac) | $CN_i$ | $CN_i$*$AREA_i$ |
|---|---|---|---|---|---|
| A | Open Space | Good (>75% Grass Cover) | 0.42 | 39 | 16.38 |
| - | Impervious | Impervious (Pavement & Building) | 0.176 | 98 | 17.248 |
| | | | | | 0 |
| | | | | | |
| | | | PASS | ∑(CNi*Area)= | 34 |

WEIGHTED CN = 57

- PRE-RECONSTRUCTION CALCULATION

Total Area = 0.596 acres

| HSG SOIL TYPE | COVER TYPE | CONDITIONS | $AREA_i$ (ac) | $CN_i$ | $CN_i$*$AREA_i$ |
|---|---|---|---|---|---|
| A | Open Space | Good (<50% Grass Cover) | 0.554 | 68 | 37.672 |
| - | Impervious | Impervious (Pavement & Building) | 0.042 | 98 | 4.116 |
| - | | | | | 0.0446 |
| | | | PASS | ∑(CNi*Area) = | 42 |

WEIGHTED CN = 70

- POST-DEVELOPMENT CALCULATION

Total Area = 0.596 acres

| HSG SOIL TYPE | COVER TYPE | CONDITIONS | $AREA_i$ (ac) | $CN_i$ | $CN_i$*$AREA_i$ |
|---|---|---|---|---|---|
| A | Open Space | Good (>75% Grass Cover) | 0.383 | 39 | 14.937 |
| - | Impervious | Impervious (Pavement & Building) | 0.213 | 98 | 20.874 |
| | | | | | 0 |
| | | | PASS | ∑(CNi*Area) = | 36 |

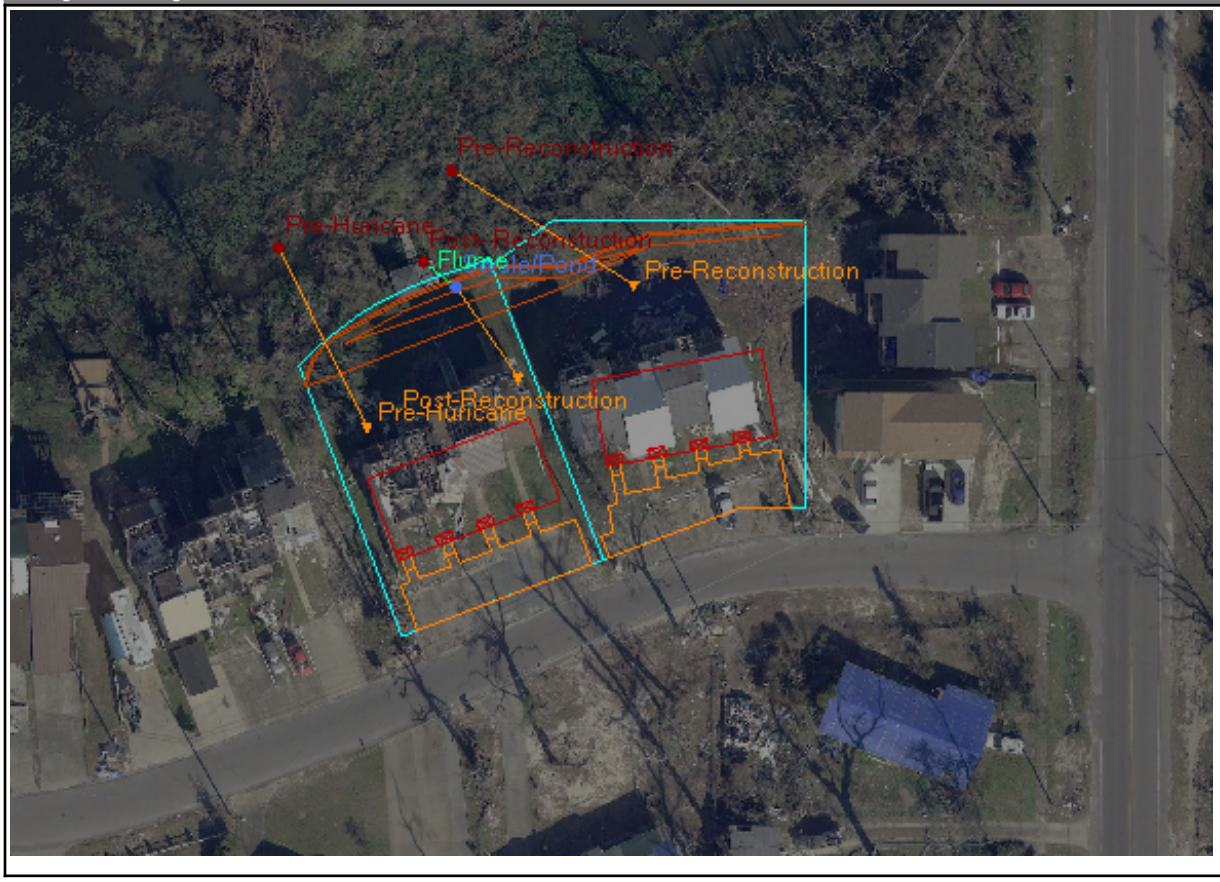
WEIGHTED CN = 60

ref. TR-55, Table 2-2, "Runoff Curve Numbers", 210-VI-TR-55, Second Ed., June 1986

# APPENDIX B

- ICPR Stormwater Model

Background Image: site




Simulation: 025Y- 1H

| | |
|---|---|
| Scenario: | Scenario1 |
| Run Date/Time: | 12/20/2022 3:05:24 PM |
| Program Version: | ICPR4 4.07.08 |

General

| Run Mode: | Normal |
|---|---|

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 2.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

Output Time Increments

## Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph Folder:

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP SET 1

## Tolerances & Options

Time Marching: SAOR
Max Iterations: 4
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-1
Rainfall Amount: 3.70 in
Storm Duration: 1.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

## Simulation: 025Y- 2H

Scenario: Scenario1

Run Date/Time: 12/20/2022 3:05:25 PM
Program Version: ICPR4 4.07.08

## General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 3.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

## Output Time Increments

### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph Folder:

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP SET 1

## Tolerances & Options

Time Marching: SAOR
Max Iterations: 4
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global

| | | | |
|---|---|---|---|
| Link Optimizer Tol: | 0.0001 ft | Rainfall Name: | ~FDOT-2 |
| | | Rainfall Amount: | 4.80 in |
| Edge Length Option: | Automatic | Storm Duration: | 2.0000 hr |
| | | Dflt Damping (1D): | 0.0050 ft |
| | | Min Node Srf Area (1D): | 100 ft2 |
| | | Energy Switch (1D): | Energy |

Comment:

## Simulation: 025Y- 4H

Scenario: Scenario1
Run Date/Time: 12/20/2022 3:05:25 PM
Program Version: ICPR4 4.07.08

### General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 8.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

### Output Time Increments

#### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

#### Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

#### Restart File

Save Restart: False

### Resources & Lookup Tables

#### Resources

Rainfall Folder:

#### Lookup Tables

Boundary Stage Set:

| | | | |
|---|---|---|---|
| | | Extern Hydrograph Set: | |
| Unit Hydrograph Folder: | | Curve Number Set: | CN SET 1 |
| | | Green-Ampt Set: | |
| | | Vertical Layers Set: | |
| | | Impervious Set: | IMP SET 1 |

## Tolerances & Options

| | | | |
|---|---|---|---|
| Time Marching: | SAOR | IA Recovery Time: | 24.0000 hr |
| Max Iterations: | 4 | | |
| Over-Relax Weight Fact: | 0.5 dec | | |
| dZ Tolerance: | 0.0010 ft | Smp/Man Basin Rain Opt: | Global |
| Max dZ: | 1.0000 ft | | |
| Link Optimizer Tol: | 0.0001 ft | Rainfall Name: | ~FDOT-4 |
| | | Rainfall Amount: | 6.00 in |
| Edge Length Option: | Automatic | Storm Duration: | 4.0000 hr |
| | | Dflt Damping (1D): | 0.0050 ft |
| | | Min Node Srf Area (1D): | 100 ft2 |
| | | Energy Switch (1D): | Energy |

Comment:

## Simulation: 025Y- 8H

| | |
|---|---|
| Scenario: | Scenario1 |
| Run Date/Time: | 12/20/2022 3:05:25 PM |
| Program Version: | ICPR4 4.07.08 |

## General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 10.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

## Output Time Increments

### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph Folder:

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP SET 1

## Tolerances & Options

Time Marching: SAOR
Max Iterations: 4
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-8
Rainfall Amount: 7.60 in
Storm Duration: 8.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

## Simulation: 025Y-24H

Scenario: Scenario1
Run Date/Time: 12/20/2022 3:05:26 PM
Program Version: ICPR4 4.07.08

## General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 30.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

## Output Time Increments

### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph Folder:

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP SET 1

## Tolerances & Options

Time Marching: SAOR
Max Iterations: 4
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 6.00 in

| | | | |
|---|---|---|---|
| Edge Length Option: | Automatic | Storm Duration: | 24.0000 hr |
| | | Dflt Damping (1D): | 0.0050 ft |
| | | Min Node Srf Area (1D): | 100 ft2 |
| | | Energy Switch (1D): | Energy |

Comment:

## Simulation: 100Y- 1H

Scenario: Scenario1
Run Date/Time: 12/20/2022 3:05:26 PM
Program Version: ICPR4 4.07.08

## General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 2.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

## Output Time Increments

### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1

| | | | |
|---|---|---|---|
| Folder: | | | |
| | | Green-Ampt Set: | |
| | | Vertical Layers Set: | |
| | | Impervious Set: | IMP SET 1 |

## Tolerances & Options

| | | | |
|---|---|---|---|
| Time Marching: | SAOR | IA Recovery Time: | 24.0000 hr |
| Max Iterations: | 4 | | |
| Over-Relax Weight Fact: | 0.5 dec | | |
| dZ Tolerance: | 0.0010 ft | Smp/Man Basin Rain Opt: | Global |
| Max dZ: | 1.0000 ft | | |
| Link Optimizer Tol: | 0.0001 ft | Rainfall Name: | ~FDOT-1 |
| | | Rainfall Amount: | 4.50 in |
| Edge Length Option: | Automatic | Storm Duration: | 1.0000 hr |
| | | Dflt Damping (1D): | 0.0050 ft |
| | | Min Node Srf Area (1D): | 100 ft2 |
| | | Energy Switch (1D): | Energy |

Comment:

## Simulation: 100Y- 2H

| | |
|---|---|
| Scenario: | Scenario1 |
| Run Date/Time: | 12/20/2022 3:05:27 PM |
| Program Version: | ICPR4 4.07.08 |

## General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 3.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

## Output Time Increments

### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph Folder:

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP SET 1

## Tolerances & Options

Time Marching: SAOR
Max Iterations: 4
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-2
Rainfall Amount: 6.00 in
Storm Duration: 2.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

## Simulation: 100Y- 4H

Scenario: Scenario1
Run Date/Time: 12/20/2022 3:05:27 PM
Program Version: ICPR4 4.07.08

## General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 6.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

## Output Time Increments

### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

### Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph Folder:

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP SET 1

## Tolerances & Options

Time Marching: SAOR
Max Iterations: 4
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-4
Rainfall Amount: 7.60 in
Storm Duration: 4.0000 hr

| | |
|---|---|
| Dflt Damping (1D): | 0.0050 ft |
| Min Node Srf Area (1D): | 100 ft2 |
| Energy Switch (1D): | Energy |

Comment:

## Simulation: 100Y- 8H

Scenario: Scenario1
Run Date/Time: 12/20/2022 3:05:27 PM
Program Version: ICPR4 4.07.08

### General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 10.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

### Output Time Increments

#### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

#### Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

#### Restart File

Save Restart: False

### Resources & Lookup Tables

#### Resources

Rainfall Folder:
Unit Hydrograph Folder:

#### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1

| | |
|---|---|
| Green-Ampt Set: | |
| Vertical Layers Set: | |
| Impervious Set: | IMP SET 1 |

## Tolerances & Options

| | | | |
|---|---|---|---|
| Time Marching: | SAOR | IA Recovery Time: | 24.0000 hr |
| Max Iterations: | 4 | | |
| Over-Relax Weight Fact: | 0.5 dec | | |
| dZ Tolerance: | 0.0010 ft | Smp/Man Basin Rain Opt: | Global |
| Max dZ: | 1.0000 ft | | |
| Link Optimizer Tol: | 0.0001 ft | Rainfall Name: | ~FDOT-8 |
| | | Rainfall Amount: | 9.40 in |
| Edge Length Option: | Automatic | Storm Duration: | 8.0000 hr |
| | | Dflt Damping (1D): | 0.0050 ft |
| | | Min Node Srf Area (1D): | 100 ft2 |
| | | Energy Switch (1D): | Energy |

Comment:

## Simulation: 100Y-24H

| | |
|---|---|
| Scenario: | Scenario1 |
| Run Date/Time: | 12/20/2022 3:05:27 PM |
| Program Version: | ICPR4 4.07.08 |

## General

Run Mode: Normal

| | Year | Month | Day | Hour [hr] |
|---|---|---|---|---|
| Start Time: | 0 | 0 | 0 | 0.0000 |
| End Time: | 0 | 0 | 0 | 30.0000 |

| | Hydrology [sec] | Surface Hydraulics [sec] |
|---|---|---|
| Min Calculation Time: | 30.0000 | 0.0500 |
| Max Calculation Time: | | 30.0000 |

## Output Time Increments

### Hydrology

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Surface Hydraulics

| Year | Month | Day | Hour [hr] | Time Increment [min] |
|---|---|---|---|---|
| 0 | 0 | 0 | 0.0000 | 15.0000 |

## Restart File

Save Restart: False

## Resources & Lookup Tables

### Resources

Rainfall Folder:

Unit Hydrograph Folder:

### Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set: CN SET 1
Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP SET 1

## Tolerances & Options

Time Marching: SAOR
Max Iterations: 4
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic

IA Recovery Time: 24.0000 hr
Smp/Man Basin Rain Opt: Global
Rainfall Name: ~FDOT-24
Rainfall Amount: 13.40 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 100 ft2
Energy Switch (1D): Energy

Comment:

## Simple Basin: Post-Reconstruction

Scenario: Scenario1
Node: Swale/Pond
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 6.0000 min
Max Allowable Q: 0.00 cfs

| | |
|---|---|
| Time Shift: | 0.0000 hr |
| Unit Hydrograph: | UH256 |
| Peaking Factor: | 256.0 |
| Area: | 0.5960 ac |
| Curve Number: | 56.0 |
| % Impervious: | 0.00 |
| % DCIA: | 0.00 |
| % Direct: | 0.00 |
| Rainfall Name: | |

Comment:

## Simple Basin: Pre-Huricane

| | |
|---|---|
| Scenario: | Scenario1 |
| Node: | Pre-Huricane |
| Hydrograph Method: | NRCS Unit Hydrograph |
| Infiltration Method: | Curve Number |
| Time of Concentration: | 6.0000 min |
| Max Allowable Q: | 0.00 cfs |
| Time Shift: | 0.0000 hr |
| Unit Hydrograph: | UH256 |
| Peaking Factor: | 256.0 |
| Area: | 0.5960 ac |
| Curve Number: | 57.0 |
| % Impervious: | 0.00 |
| % DCIA: | 0.00 |
| % Direct: | 0.00 |
| Rainfall Name: | |

Comment:

## Simple Basin: Pre-Reconstruction

| | |
|---|---|
| Scenario: | Scenario1 |
| Node: | Pre-Reconstruction |
| Hydrograph Method: | NRCS Unit Hydrograph |
| Infiltration Method: | Curve Number |
| Time of Concentration: | 6.0000 min |
| Max Allowable Q: | 0.00 cfs |
| Time Shift: | 0.0000 hr |
| Unit Hydrograph: | UH256 |
| Peaking Factor: | 256.0 |
| Area: | 0.5960 ac |
| Curve Number: | 70.0 |
| % Impervious: | 0.00 |
| % DCIA: | 0.00 |

% Direct: 0.00
Rainfall Name:

Comment:

## Weir Link: Flume

Scenario: Scenario1
From Node: Swale/Pond
To Node: Post- Reconstuction
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Trapezoidal
Invert: 4.50 ft
Control Elevation: 4.00 ft
Max Depth: 0.50 ft
Extrapolation Method: Normal Projection
Bottom Width: 5.00 ft
Left Slope: 0.000 (h:v)
Right Slope: 0.000 (h:v)

**Bottom Clip**
Default: 0.00 ft
Op Table:
Ref Node:

**Top Clip**
Default: 0.00 ft
Op Table:
Ref Node:

**Discharge Coefficients**
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

## Node: Post- Reconstuction

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

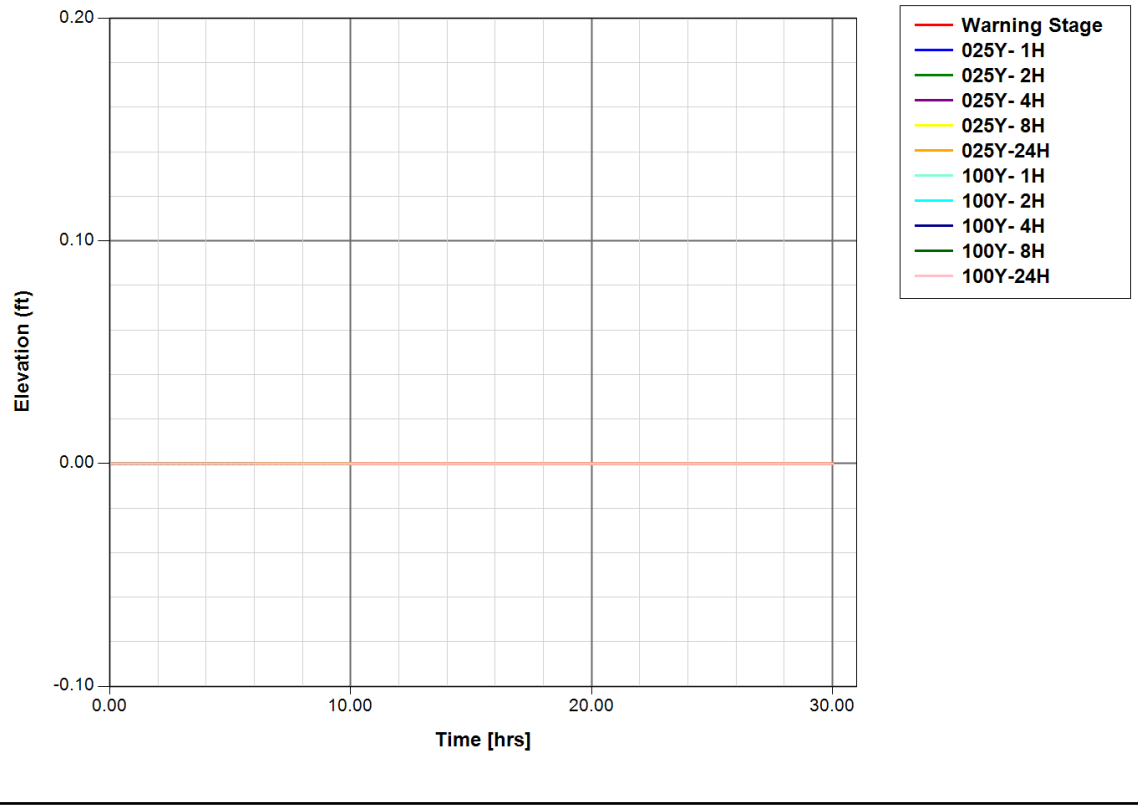
Comment:

Node Max Conditions [Scenario1]

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Post-Reconstuction | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 0.52 | 0.00 | 0 |
| Post-Reconstuction | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 0.60 | 0.00 | 0 |

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Post-Reconstuction | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 0.68 | 0.00 | 0 |
| Post-Reconstuction | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 0.94 | 0.00 | 0 |
| Post-Reconstuction | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.11 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 1.03 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 1.17 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.06 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.37 | 0.00 | 0 |
| Post-Reconstuction | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.52 | 0.00 | 0 |

Node Stage w/Warning Stage: Post- Reconstuction [Scenario1]



## Node: Pre-Huricane

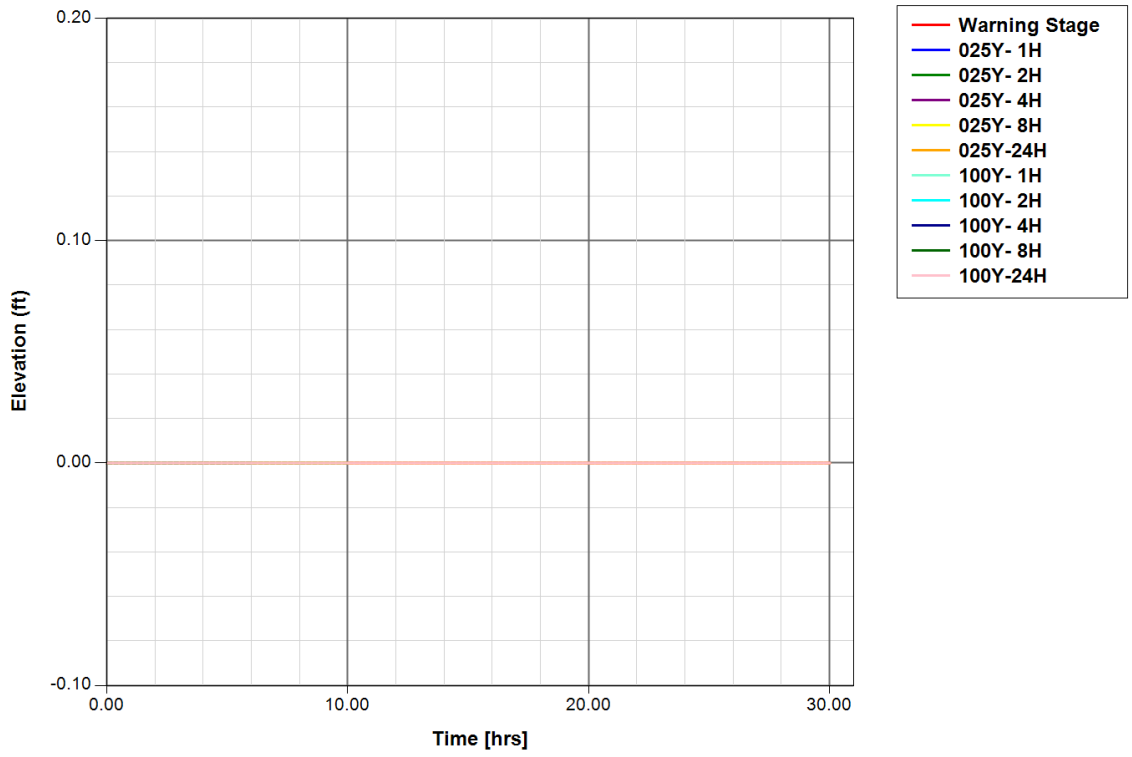
Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Comment:

Node Max Conditions [Scenario1]

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Pre-Huricane | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 0.71 | 0.00 | 0 |
| Pre-Huricane | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 0.77 | 0.00 | 0 |
| Pre-Huricane | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 0.71 | 0.00 | 0 |
| Pre-Huricane | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 0.99 | 0.00 | 0 |
| Pre-Huricane | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.12 | 0.00 | 0 |
| Pre-Huricane | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 1.18 | 0.00 | 0 |
| Pre-Huricane | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 1.33 | 0.00 | 0 |
| Pre-Huricane | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.10 | 0.00 | 0 |
| Pre-Huricane | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.43 | 0.00 | 0 |
| Pre-Huricane | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.54 | 0.00 | 0 |

## Node Stage w/Warning Stage: Pre-Huricane [Scenario1]




## Node: Pre-Reconstruction

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

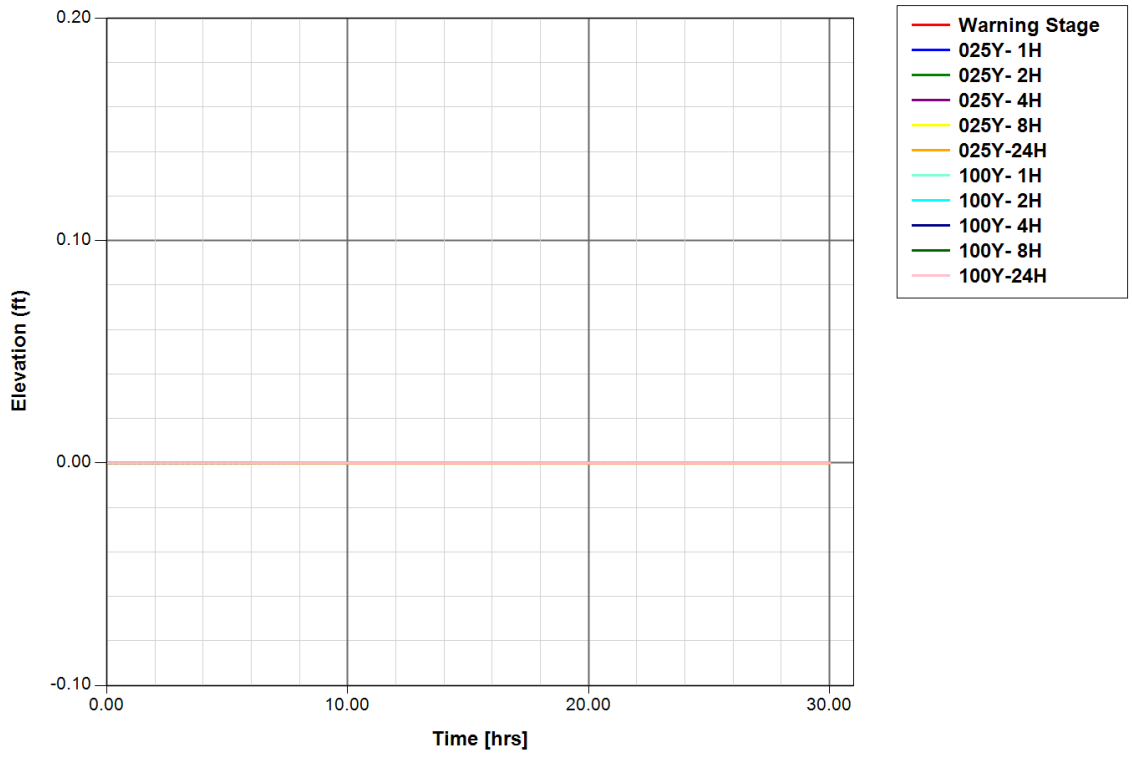
Comment:

Node Max Conditions [Scenario1]

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Pre-Reconstruction | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 1.50 | 0.00 | 0 |

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Pre-Reconstruction | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 1.52 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 1.05 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 1.39 | 0.00 | 0 |
| Pre-Reconstruction | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.21 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 2.19 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 2.25 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.53 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.87 | 0.00 | 0 |
| Pre-Reconstruction | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.67 | 0.00 | 0 |

## Node Stage w/Warning Stage: Pre-Reconstruction [Scenario1]




## Node: Swale/Pond

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 5.00 ft

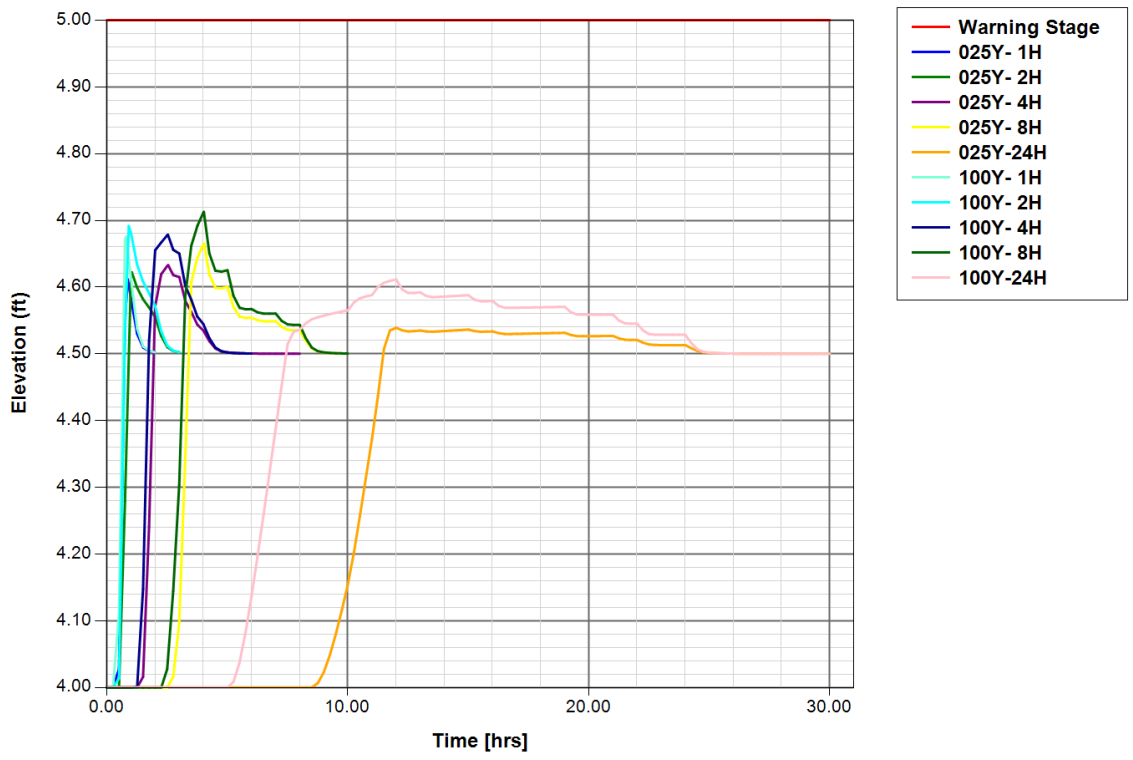
| Stage [ft] | Area [ac] | Area [ft2] |
|---|---|---|
| 4.00 | 0.0080 | 348 |
| 5.00 | 0.0450 | 1960 |

Comment:

Node Max Conditions [Scenario1]

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Swale/Pond | 025Y- 1H | 5.00 | 4.61 | 0.0010 | 0.65 | 0.52 | 1334 |
| Swale/Pond | 025Y- 2H | 5.00 | 4.62 | 0.0010 | 0.71 | 0.60 | 1351 |
| Swale/Pond | 025Y- 4H | 5.00 | 4.63 | 0.0010 | 0.69 | 0.68 | 1369 |
| Swale/Pond | 025Y- 8H | 5.00 | 4.67 | 0.0010 | 0.95 | 0.94 | 1420 |
| Swale/Pond | 025Y-24H | 5.00 | 4.54 | 0.0010 | 0.11 | 0.11 | 1217 |
| Swale/Pond | 100Y- 1H | 5.00 | 4.68 | -0.0010 | 1.11 | 1.03 | 1437 |
| Swale/Pond | 100Y- 2H | 5.00 | 4.69 | 0.0010 | 1.26 | 1.17 | 1463 |
| Swale/Pond | 100Y- 4H | 5.00 | 4.68 | 0.0010 | 1.07 | 1.06 | 1442 |
| Swale/Pond | 100Y- 8H | 5.00 | 4.71 | 0.0010 | 1.39 | 1.37 | 1497 |
| Swale/Pond | 100Y-24H | 5.00 | 4.61 | 0.0010 | 0.52 | 0.52 | 1334 |

Node Stage w/Warning Stage: Swale/Pond [Scenario1]




Node Max Conditions [Scenario1]

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Post-Reconstuction | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 0.52 | 0.00 | 0 |
| Pre-Huricane | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 0.71 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 1.50 | 0.00 | 0 |
| Swale/Pond | 025Y- 1H | 5.00 | 4.61 | 0.0010 | 0.65 | 0.52 | 1334 |
| Post-Reconstuction | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 0.60 | 0.00 | 0 |
| Pre-Huricane | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 0.77 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 1.52 | 0.00 | 0 |
| Swale/Pond | 025Y- 2H | 5.00 | 4.62 | 0.0010 | 0.71 | 0.60 | 1351 |
| Post-Reconstuction | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 0.68 | 0.00 | 0 |
| Pre-Huricane | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 0.71 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 1.05 | 0.00 | 0 |
| Swale/Pond | 025Y- 4H | 5.00 | 4.63 | 0.0010 | 0.69 | 0.68 | 1369 |
| Post-Reconstuction | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 0.94 | 0.00 | 0 |
| Pre-Huricane | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 0.99 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 1.39 | 0.00 | 0 |
| Swale/Pond | 025Y- 8H | 5.00 | 4.67 | 0.0010 | 0.95 | 0.94 | 1420 |
| Post-Reconstuction | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.11 | 0.00 | 0 |
| Pre-Huricane | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.12 | 0.00 | 0 |
| Pre-Reconstruction | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.21 | 0.00 | 0 |
| Swale/Pond | 025Y-24H | 5.00 | 4.54 | 0.0010 | 0.11 | 0.11 | 1217 |
| Post-Reconstuction | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 1.03 | 0.00 | 0 |
| Pre-Huricane | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 1.18 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 2.19 | 0.00 | 0 |
| Swale/Pond | 100Y- 1H | 5.00 | 4.68 | -0.0010 | 1.11 | 1.03 | 1437 |
| Post-Reconstuction | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 1.17 | 0.00 | 0 |
| Pre-Huricane | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 1.33 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 2.25 | 0.00 | 0 |
| Swale/Pond | 100Y- 2H | 5.00 | 4.69 | 0.0010 | 1.26 | 1.17 | 1463 |
| Post-Reconstuction | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.06 | 0.00 | 0 |
| Pre-Huricane | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.10 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.53 | 0.00 | 0 |

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Swale/Pond | 100Y- 4H | 5.00 | 4.68 | 0.0010 | 1.07 | 1.06 | 1442 |
| Post-Reconstuction | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.37 | 0.00 | 0 |
| Pre-Huricane | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.43 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.87 | 0.00 | 0 |
| Swale/Pond | 100Y- 8H | 5.00 | 4.71 | 0.0010 | 1.39 | 1.37 | 1497 |
| Post-Reconstuction | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.52 | 0.00 | 0 |
| Pre-Huricane | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.54 | 0.00 | 0 |
| Pre-Reconstruction | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.67 | 0.00 | 0 |
| Swale/Pond | 100Y-24H | 5.00 | 4.61 | 0.0010 | 0.52 | 0.52 | 1334 |

Node Max Conditions [Scenario1]

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Post-Reconstuction | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 0.52 | 0.00 | 0 |
| Post-Reconstuction | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 0.60 | 0.00 | 0 |
| Post-Reconstuction | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 0.68 | 0.00 | 0 |
| Post-Reconstuction | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 0.94 | 0.00 | 0 |
| Post-Reconstuction | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.11 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 1.03 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 1.17 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.06 | 0.00 | 0 |
| Post-Reconstuction | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.37 | 0.00 | 0 |
| Post-Reconstuction | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.52 | 0.00 | 0 |
| Pre-Huricane | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 0.71 | 0.00 | 0 |
| Pre-Huricane | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 0.77 | 0.00 | 0 |
| Pre-Huricane | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 0.71 | 0.00 | 0 |
| Pre-Huricane | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 0.99 | 0.00 | 0 |
| Pre-Huricane | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.12 | 0.00 | 0 |
| Pre-Huricane | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 1.18 | 0.00 | 0 |

| Node Name | Sim Name | Warning Stage [ft] | Max Stage [ft] | Min/Max Delta Stage [ft] | Max Total Inflow [cfs] | Max Total Outflow [cfs] | Max Surface Area [ft2] |
|---|---|---|---|---|---|---|---|
| Pre-Huricane | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 1.33 | 0.00 | 0 |
| Pre-Huricane | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.10 | 0.00 | 0 |
| Pre-Huricane | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.43 | 0.00 | 0 |
| Pre-Huricane | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.54 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 1H | 0.00 | 0.00 | 0.0000 | 1.50 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 2H | 0.00 | 0.00 | 0.0000 | 1.52 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 4H | 0.00 | 0.00 | 0.0000 | 1.05 | 0.00 | 0 |
| Pre-Reconstruction | 025Y- 8H | 0.00 | 0.00 | 0.0000 | 1.39 | 0.00 | 0 |
| Pre-Reconstruction | 025Y-24H | 0.00 | 0.00 | 0.0000 | 0.21 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 1H | 0.00 | 0.00 | 0.0000 | 2.19 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 2H | 0.00 | 0.00 | 0.0000 | 2.25 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 4H | 0.00 | 0.00 | 0.0000 | 1.53 | 0.00 | 0 |
| Pre-Reconstruction | 100Y- 8H | 0.00 | 0.00 | 0.0000 | 1.87 | 0.00 | 0 |
| Pre-Reconstruction | 100Y-24H | 0.00 | 0.00 | 0.0000 | 0.67 | 0.00 | 0 |
| Swale/Pond | 025Y- 1H | 5.00 | 4.61 | 0.0010 | 0.65 | 0.52 | 1334 |
| Swale/Pond | 025Y- 2H | 5.00 | 4.62 | 0.0010 | 0.71 | 0.60 | 1351 |
| Swale/Pond | 025Y- 4H | 5.00 | 4.63 | 0.0010 | 0.69 | 0.68 | 1369 |
| Swale/Pond | 025Y- 8H | 5.00 | 4.67 | 0.0010 | 0.95 | 0.94 | 1420 |
| Swale/Pond | 025Y-24H | 5.00 | 4.54 | 0.0010 | 0.11 | 0.11 | 1217 |
| Swale/Pond | 100Y- 1H | 5.00 | 4.68 | -0.0010 | 1.11 | 1.03 | 1437 |
| Swale/Pond | 100Y- 2H | 5.00 | 4.69 | 0.0010 | 1.26 | 1.17 | 1463 |
| Swale/Pond | 100Y- 4H | 5.00 | 4.68 | 0.0010 | 1.07 | 1.06 | 1442 |
| Swale/Pond | 100Y- 8H | 5.00 | 4.71 | 0.0010 | 1.39 | 1.37 | 1497 |
| Swale/Pond | 100Y-24H | 5.00 | 4.61 | 0.0010 | 0.52 | 0.52 | 1334 |

# Lakewood Townhomes

## 16647-Lakewood Townhomes ICPRv4 Data Summay Table

| Storm | Pre-Huricane Run-Off (cfs) | Pre-Reconstruction Run-Off (cfs) | PostReconstuction Run-Off (cfs) | Top of Berm (ft) | Max Stage (ft) | Freeboard (in) |
|---|---|---|---|---|---|---|
| 025Y- 1H | 0.71 | 1.50 | 0.52 | 5.00 | 4.61 | 4.7 |
| 025Y- 2H | 0.77 | 1.52 | 0.60 | 5.00 | 4.62 | 4.6 |
| 025Y- 4H | 0.71 | 1.05 | 0.68 | 5.00 | 4.63 | 4.4 |
| 025Y- 8H | 0.99 | 1.39 | 0.94 | 5.00 | 4.67 | 4.0 |
| 025Y-24H | 0.12 | 0.21 | 0.11 | 5.00 | 4.54 | 5.5 |
| 100Y- 1H | 1.18 | 2.19 | 1.03 | 5.00 | 4.68 | 3.8 |
| 100Y- 2H | 1.33 | 2.25 | 1.17 | 5.00 | 4.69 | 3.7 |
| 100Y- 4H | 1.10 | 1.53 | 1.06 | 5.00 | 4.68 | 3.8 |
| 100Y- 8H | 1.43 | 1.87 | 1.37 | 5.00 | 4.71 | 3.5 |
| 100Y-24H | 0.54 | 0.67 | 0.52 | 5.00 | 4.61 | 4.7 |

# APPENDIX C

○ Council Meeting Minutes March 1, 2022, 5:30 pm

# MINUTES
# COUNCIL MEETING
# March 1, 2022
# 5:30 pm

Mayor Kelly called the meeting to order at 5:30pm
Pastor Davis gave the Invocation.
Council Member Chaple led the Pledge of Allegiance.

**Present:**
Ms. Barrow
Mr. Chaple
Ms. Gibson
Mayor Kelly

**Also Present:** Melissa Correia, Donna Perdue, Kathleen O'Brien, Ann Marie Morris, Mark Rega, Beverly Hutto, Tony Summerlin, Chief Hutto

**APPROVAL OF THE MINUTES**
On motion of Council Member Barrow and second of Council Member Chaple, the Council approved the minutes for the Council meeting on February 15, 2022.

Ms. Barrow - aye
Mr. Chaple - aye
Ms. Gibson - aye
Mayor Kelly - aye

**ITEMS FROM THE AUDIENCE:**

1.Donna Hofbauer of 5033 Sharon Dr – would like for the city yard to be fenced with a solid fence with a mural.

2. Jody Swem of 512 Phillips Court- code enforcement discussion regarding the moving of fences placed in the stormwater easement on his street. Questioned statute 588.11, right to a fence. Solutions: using gates via foot, sign authorization to access easement through neighbor's yard, compensate residents for removal of fence, address problem with builder who put up fence, city can purchase their easements, city can pay for the fence being moved, extend the deadline, or leave as is and inspect the easements annually.

3.Michael Brown 511 Phillips Ct – Bought home in 2002, maintained easement, neighbor told him he has 45 days to move fence.

4. Karen Rank of 510 Phillips Ct – stated city could access fallen trees in easement through her yard.

5. Bernie Thompson 8317 Front Beach Road – stated other cities just want to check a box to qualify for grants, glad to see a mayor willing to work with the citizens.

6. Katherine Edwards of Phillips Ct. – had a double fence prior to Michael, said city has been clearing the ditch yesterday but doesn't remember seeing them there before.

Mayor discussed flooding issues in Parker, will work with homeowners on a solution.

7. Kathleen O'Brien of 1455 Parkway Dr – thankful for the response the city took to the abandoned boat.

**REGULAR AGENDA**

1. **Reading of bids – postponed by Anchor**
2. **Approval of 4 plex rebuild-** Mr. Abu is wanting to invest in Parker and rebuilding numerous sites. Wanting to rebuild his 4 plex of townhomes currently not allowed in the LDR. LDR is being revised currently. On motion of Ms. Barrow and a 2nd of Ms. Gibson, the council voted to allow the rebuilding of the townhouses. Owner will continue to work with city's engineer with he rebuild.

Barrow – aye

Chaple – aye

Gibson – aye

Mayor – aye

3. **Approval of city to host marriage workshop – Council member Gibson**

Non-profit group from Tallahassee wants to host a marriage workshop in the community center- A 4-day event. It is free to participate. Grant given to Department of Heath and Human Services funds the project. Concern that city of Parker is hosting event. Motion to use the community building to host the workshop at no cost to host made by Ms. Gibson, 2nd by Mr. Chaple.

Barrow – nay

Chaple – aye

Gibson – aye

Mayor – nay

Mr. Chaple stated the steering committee would cover the cost of community center rental. Discussion that no vote is need if rental fee is paid for community building.

**ADJOURNMENT –** The meeting was adjourned .

Jami Hinrichs

Jami Hinrichs, City Clerk