

Town Council Meeting November 28, 2022 at 6:00 PM Howey-in the-Hills Town Hall 101 N. Palm Ave., Howey-in-the-Hills, FL 34737

Join Zoom Meeting:

https://us06web.zoom.us/j/85674832869?pwd=S0FISFVOUIZUYXRRRStSZjVORmhTQT09 Meeting ID: 856 7483 2869 | Passcode: 078221

AGENDA

Call the Town Council Meeting to order Pledge of Allegiance to the Flag Invocation Reading of a Poem by Mr. Jim Steele

<u>**ROLL CALL</u>** Acknowledgement of Quorum</u>

AGENDA APPROVAL/REVIEW

CONSENT AGENDA

Routine items are placed on the Consent Agenda to expedite the meeting. If Town Council/Staff wish to discuss any item, the procedure is as follows: (1) Pull the item(s) from the Consent Agenda; (2) Vote on the remaining item(s); and (3) Discuss each pulled item and vote.

- **1.** The approval of the minutes and ratification and confirmation of all Town Council actions at the November 14, 2022 Town Council Meeting.
- 2. Consideration and Approval: Resolution 2022-011 Budget Amendment Fiscal Year 2022

A RESOLUTION AMENDING THE GENERAL FUND, POLICE RETIREMENT FUND, POLICE ADVANCED TRAINING FUND, IMPACT FEE FUND, WATER/SANITATION FUND, BUILDING FUND, AND INFRASTRUCTURE FUND FOR THE BUDGET YEAR 2021-2022.

PUBLIC HEARING

3. Consideration and Approval: (Second Reading) Ordinance 2022-019 - Reserve/Hillside Groves Development - PUD Amendment

AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, PERTAINING TO LAND USE; AMENDING ORDINANCE 2021-010 PERTAINING TO THE USE OF LAND WITHIN THE PROPERTY KNOWN AS THE RESERVE AT HOWEY-IN-THE-HILLS; PROVIDING FINDINGS OF THE TOWN COUNCIL; AMENDING THE AMENDED AND RESTATED DEVELOPER'S AGREEMENT FOR THE RESERVE AT HOWEY-IN-THE- HILLS TO ALLOW A CHANGE IN THE REQUIREMENTS FOR CONSTRUCTION OF A NORTH-SOUTH ROAD; RATIFYING AND CONFIRMING THE PROVISIONS OF ORDINANCE 2021-010, AS AMENDED; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

- Mayor MacFarlane will read the Ordinance title
- Town Manager will explain Ordinance 2022-019
- Mayor MacFarlane will invite the applicant to speak.
- Mayor MacFarlane will ask the Town Council if there are clarifying questions for staff or applicant.
- Mayor MacFarlane will open Public Comment for this item only.
- Mayor MacFarlane will close Public Comment.
- Motion regarding Ordinance 2022-019
- Council Discussion
- Roll Call Vote
- 4. Consideration and Approval: (Second Reading) Ordinance 2022-021 Animal Control

AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, CREATING CHAPTER 54 IN THE TOWN OF HOWEY-IN-THE-HILLS' CODE OF ORDINANCES TITLED "ANIMAL CONTROL"; PROVIDING REGULATIONS FOR RESTRAINT OF ANIMALS, NUISANCE ANIMALS, THE POSSESSION, OWNERSHIP, CARE, AND CUSTODY OF ANIMALS; PROVIDING FOR SEVERABILITY, CODIFICATION AND AN EFFECTIVE DATE.

- Mayor MacFarlane will read the Ordinance title
- Code Enforcement Officer will explain Ordinance 2022-021
- Mayor MacFarlane will ask the Town Council if there are clarifying questions for staff
- Mayor MacFarlane will open Public Comment for this item only.
- Mayor MacFarlane will close Public Comment.
- Motion regarding Ordinance 2022-021
- Council Discussion
- Roll Call Vote
- 5. Discussion: (Second Reading) Ordinance 2022-016 Simpson Parcels Rezoning from MDR 1 and MDR 2 to Planned Unit Development (PUD)

AN ORDINANCE OF THE TOWN OF HOWEY IN THE HILLS, FLORIDA, PERTAINING TO LAND USE; PROVIDING FINDINGS OF THE TOWN COUNCIL; AMENDING THE TOWN'S OFFICIAL ZONING MAP TO REZONE FROM MDR-1 AND MDR-2 TO PLANNED UNIT DEVELOPMENT CERTAIN LANDS LOCATED IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF STATE ROAD 19 AND REVELS ROAD, AS MORE PARTICULARLY DESCRIBED IN ATTACHMENT A TO THIS ORDINANCE; INCORPORATING CONDITIONS, REQUIREMENTS, RESTRICTIONS, AND OTHER TERMS GOVERNING THE USE AND DEVELOPMENT OF THE PROPERTY; PROVIDING FOR SEVERABILITY, CONFLICTS, CODIFICATION, AND AN EFFECTIVE DATE.

- Mayor MacFarlane will read the Ordinance title
- Town Manager will explain Ordinance 2022-016
- Mayor MacFarlane will invite the applicant to speak.
- Mayor MacFarlane will ask the Town Council if there are clarifying questions for staff or applicant.
- Mayor MacFarlane will open Public Comment for this item only.
- Mayor MacFarlane will close Public Comment.
- Motion regarding Ordinance 2022-016
- Council Discussion
- Roll Call Vote

6. Consideration and Approval: Simpson Parcels - Preliminary Subdivision Plan

- Town Manager will explain application for Preliminary Subdivision Plan.
- Mayor MacFarlane will invite the applicant to speak.
- Mayor MacFarlane will ask the Town Council if there are clarifying questions for staff or applicant.
- Mayor MacFarlane will open Public Comment for this item only.
- Mayor MacFarlane will close Public Comment.
- Motion regarding Preliminary Subdivision Plan application.
- Council Discussion
- Roll Call Vote
- 7. Discussion: Water Utility Improvements (Well 5 & 6 / Water Treatment Plant #3)

OLD BUSINESS

NEW BUSINESS

- 8. Consideration and Approval: Parks & Recreation Board Member Selection
- 9. Discussion: Capital Improvement Plan (CIP)

DEPARTMENT REPORTS

10. Town Manager

COUNCIL MEMBER REPORTS

- 11. Mayor Pro Tem Gallelli
- **12.** Councilor Lehning
- 13. Councilor Miles
- 14. Councilor Lannaman
- 15. Mayor MacFarlane

PUBLIC COMMENTS

Any person wishing to address the Mayor and Town Council and who is not on the agenda is asked to speak their name and address. Three (3) minutes is allocated per speaker.

ADJOURNMENT

To Comply with Title II of the Americans with Disabilities Act (ADA):

Qualified individuals may get assistance through the Florida Relay Service by dialing 7-1-1. Florida Relay is a service provided to residents in the State of Florida who are Deaf, Hard of Hearing, Deaf/Blind, or Speech Disabled that connects them to standard (voice) telephone users. They utilize a wide array of technologies, such as Text Telephone (TTYs) and ASCII, Voice Carry-Over (VCO), Speech to Speech (STS), Relay Conference Captioning (RCC), CapTel, Voice, Hearing Carry-Over (HCO), Video Assisted Speech to Speech (VA-STS) and Enhanced Speech to Speech.

Howey Town Hall is inviting you to a scheduled Zoom meeting. Topic: Town Council Meeting Time: Nov 28, 2022 06:00 PM Eastern Time (US and Canada) Join Zoom Meeting https://us06web.zoom.us/j/85674832869?pwd=S0FISFVOUIZUYXRRRStSZjVORmhTQT09 Meeting ID: 856 7483 2869 Passcode: 078221 Dial by your location +1 646 558 8656 US (New York) +1 346 248 7799 US (Houston) Meeting ID: 856 7483 2869 Passcode: 078221 Find your local number: https://us06web.zoom.us/u/kdcVdnVDBw

Please Note: In accordance with F.S. 286.0105: Any person who desires to appeal any decision or recommendation at this meeting will need a record of the proceedings, and that for such purposes may need to ensure that a verbatim record of the proceedings is made, which includes the testimony and evidence upon which the appeal is based. The Town of Howey-in-the-Hills does not prepare or provide this verbatim record. Note: In accordance with the F.S. 286.26: Persons with disabilities needing assistance to participate in any of these proceedings should contact Town Hall, 101 N. Palm Avenue, Howey-in-the-Hills, FL 34737, (352) 324-2290 at least 48 business hours in advance of the meeting.



Town Council Meeting November 14, 2022 at 6:00 PM Howey-in the-Hills Town Hall 101 N. Palm Ave., Howey-in-the-Hills, FL 34737

MINUTES

Mayor MacFarlane called the Town Council Meeting to order at 6:00 p.m. Mayor MacFarlane led the attendees in the Pledge of Allegiance to the Flag. Mayor MacFarlane gave a brief invocation.

Town Clerk, John Brock, administered the Oath of Office to Reneé Lannamañ, Martha MacFarlane, and David Miles.

ROLL CALL

Acknowledgement of Quorum

MEMBERS PRESENT:

Councilor David Miles | Councilor Reneé Lannamañ | Councilor George Lehning | Mayor Pro Tem Marie V Gallelli | Mayor Martha MacFarlane

STAFF PRESENT:

Sean O'Keefe, Town Administrator | John Brock, Town Clerk | Morgan Cates, Public Works Director | James Southall, Public Utilities Supervisor (Zoom) | Rick Thomas, Police Chief | Azure Botts, Code Enforcement Officer | Abigail Herrera, Finance Supervisor | Tom Wilkes, Town Attorney (via Zoom) | Tom Harowski, Town Planner (via Zoom)

AGENDA APPROVAL/REVIEW

Motion made by Councilor Lehning to approve the Meeting's Agenda; seconded by Councilor Miles. Motion approved unanimously by voice vote.

Voting

Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane Nay: None

CONSENT AGENDA

Routine items are placed on the Consent Agenda to expedite the meeting. If Town Council/Staff wish to discuss any item, the procedure is as follows: (1) Pull the item(s) from the Consent Agenda; (2) Vote on the remaining item(s); and (3) Discuss each pulled item and vote.

1. The approval of the minutes and ratification and confirmation of all Town Council actions at the October 24, 2022 Town Council Meeting.

Motion made by Councilor Miles to approve the Consent Agenda; seconded by Mayor Pro Tem Gallelli. Motion approved unanimously by voice vote.

Voting

Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane Nay: None

PUBLIC HEARING

2. Consideration and Approval: (Second Reading) Ordinance 2022-019 - Reserve/Hillside Groves Development - PUD Amendment

Martha MacFarlane, Mayor, read Ordinance 2022-019 by title only:

AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, PERTAINING TO LAND USE; AMENDING ORDINANCE 2021-010 PERTAINING TO THE USE OF LAND WITHIN THE PROPERTY KNOWN AS THE RESERVE AT HOWEY-IN-THE-HILLS; PROVIDING FINDINGS OF THE TOWN COUNCIL; AMENDING THE AMENDED AND RESTATED DEVELOPER'S AGREEMENT FOR THE RESERVE AT HOWEY-IN-THE-HILLS TO ALLOW A CHANGE IN THE REQUIREMENTS FOR CONSTRUCTION OF A NORTH-SOUTH ROAD; RATIFYING AND CONFIRMING THE PROVISIONS OF ORDINANCE 2021-010, AS AMENDED; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

Mayor MacFarlane asked Town Manager, Sean O'Keefe, and Town Planner, Tom Harowski, to introduce and explain this item. Mr. O'Keefe summarized the history of the Reserve / Hillside Groves project. Mr. O'Keefe explained that the primary item in the proposed amendment of the Development Agreement was the change of the spine road going through the middle of the development, from State Road 19 to county Number Two Road, to a two-lane road, from a four-lane road. Mr. O'Keefe explained that applicant, Lennar, had shared an exhibit from the Florida Department of Transportation (FDOT) to the Town Staff in which FDOT stated that the spine road connecting to SR 19 would need to be a two-lane road at the connection site. Mr. Harowski summarized his staff report to the Town Council.

Councilor Lehning questioned Mr. Harowski if staff or the Planning and Zoning Board had ever asked for an in-kind credit (such as an additional park) from the applicant due to the cost savings the applicant would receive from only having to construct a two-lane spine road.

Councilor Miles stated that he was not interested in the applicant giving an in-kind credit like a park. Councilor Miles stated that he believed the applicant should have to place the amount of money that it would cost the Town to re-do the road from a two-lane to a four-lane road in an interest-bearing account for the Town to use when the inevitable time came that the road would have to be four-laned.

Mayor MacFarlane opened Public Comment for this item only.

Tim Everline, 1012 N Lakeshore Blvd – Mr. Everline stated he did not understand why this item was back on the agenda.

Edward Benoit, 909 N Valencia Ave. – Mr. Benoit spoke about the cost of a previous road development. Mr. Benoit expressed his desire to keep the four-lane spine road, but to install speed bumps on it.

Peter Tuite, 300 E Croton Way – Mr. Tuite stated that he believed the two-lane spine road was better for the Town and the environment. He believed people would drive slower on a two-lane road and that a four-lane road would have less impervious surface impacting stormwater.

Todd Hawkins, 1100 N Lakeshore Blvd – Mr. Hawkins stated that he agreed with Mr. Tuite and would not want a four-lane road running through a development he lived in. He also thought there would be more green space with the two-lane road option.

Mayor MacFarlane closed Public Comment for this item.

Councilor Gallelli had questions about the FDOT comments that were shared with the Town on the day of the Council meeting. Councilor Gallelli also said that the applicant's savings from the reduction of lanes should come back to the Town in some manner.

Councilor Lannamañ was concerned about the future residents of the neighborhood having a four-lane road going through it, and its impact on safety.

Lane Register, with Lennar Homes, stated that, in the FDOT comments that were shared with the Town, FDOT was prohibiting four lanes connecting to SR 19.

Councilor Lehning stated that he had not previously seen the letter from FDOT and did not want to read it during the meeting and then vote on it.

Motion made by Councilor Miles to continue the Public Hearing to the November 28, 2022 Town Council Meeting; seconded by Councilor Lannamañ. Motion approved unanimously by roll-call vote.

Voting

Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane Nay: None

Mayor MacFarlane asked the applicant's traffic consultant, Ayman As-Saidi, to come up and explain the traffic study and FDOT comments to the Town Councilors. Mr. As-Saidi did speak about and explain the traffic impact analysis.

2. Discussion: Water Utility Improvements - (Well 5 & 6 / Water Treatment Plant #3)

Mayor MacFarlane introduced and explained this item. Mayor MacFarlane explained that this item was necessary to educate the public on the importance of the new North Water Treatment Plant #3 and the new Wells #5 and #6. Mayor MacFarlane asked for the public to support the Town's upcoming efforts in getting appropriations passed in the State Budget to assist with the drilling of the wells and the building of the new Water Treatment Plant. Mayor MacFarlane explained that there would be information shared with the public in their Town Utility bills and at the library. There was a petition that the Town was asking for residents to support in efforts to get funding through the state appropriations bills.

Mayor MacFarlane opened Public Comment for this item. Seeing no public comment, Mayor MacFarlane closed Public Comment.

OLD BUSINESS

None

NEW BUSINESS

4. Consideration and Approval: Selection of Town Councilor for the Offices of Mayor and Mayor Pro Tempore

Mayor MacFarlane and Town Manager, Sean O'Keefe, explained the requirements for filling the offices of Mayor and Mayor Pro Tempore.

Motion made by Councilor Lannamañ to reappoint Martha MacFarlane as Mayor; seconded by Councilor Lehning. Motion approved unanimously by roll-call vote.

Mayor MacFarlane opened Public Comment for this item only, seeing as there was no comment, Public Comment was closed.

Voting

Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane **Nay:** None

Motion made by Councilor Lehning to reappoint Marie V. Gallelli as Mayor Pro Tempore; Seconded by Councilor Lannamañ. Motion approved unanimously by roll-call vote.

Mayor MacFarlane opened Public Comment for this item only, seeing as there was no comment, Public Comment was closed.

Voting

Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane Nay: None

5. Consideration and Approval: Hausinger Well Drilling Contract

Mayor MacFarlane asked Town Manager, Sean O'Keefe to introduce and explain this item. Mr. O'Keefe explained the well drilling project in question was for drilling the proposed Wells #5 and #6. Mr. O'Keefe explained that the recommendation to use Hausinger & Associates to complete the required well drilling came from the Town water utilities consultant, Sarah Whitaker. Mr. O'Keefe explained that the Town would be piggybacking with an agreement that the City of Mascotte had with Hausinger & Associates. Mr. O'Keefe also stated that, since the Town would need to drill to the lower aquifer, the drilling company would need to use a dual rotary drilling system.

Jeff Hausinger, President of Hausinger & Associates, was available for questions from the Town Council. Councilor Miles asked how many firms in Florida utilize the dual rotary system for drilling wells. Mr. Hausinger stated that there were only four firms in Florida running dual rotary rigs.

Police Chief Thomas suggested that the Town should look in SAM.GOV to check government references on Hausinger & Associates.

Mayor MacFarlane opened Public Comment for this item only.

Time Everline, 1012 N Lakeshore Blvd. – Mr. Everline asked why the Town needed to use a dual rotary system to drill the water wells.

Peter Tuite, 300 E Croton Way – Mr. Tuite asked questions about contingencies that were used when drilling into the Florida aquifer.

Mayor MacFarlane closed Public Comment for this item.

Motion made by Councilor Miles to approve of piggybacking off the City of Mascotte's contract (assuming Mascottes' permission to piggyback) and approving the Hausinger Well Drilling Contract pending reference checks completed by the Town Manager, and the amount based on the pricing chart within the contract; seconded by Mayor Pro Tem Gallelli. Motion approved unanimously by roll-call vote.

Voting Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane Nay: None

6. Discussion: (First Reading) Ordinance 2022-016 - Simpson Parcels - Rezoning from MDR 1 and MDR 2 to PUD

Martha MacFarlane, Mayor, read Ordinance 2022-016 by title only:

AN ORDINANCE OF THE TOWN OF HOWEY IN THE HILLS, FLORIDA, PERTAINING TO LAND USE; PROVIDING FINDINGS OF THE TOWN COUNCIL; AMENDING THE TOWN'S OFFICIAL ZONING MAP TO REZONE FROM MDR-1 AND MDR-2 TO PLANNED UNIT DEVELOPMENT CERTAIN LANDS LOCATED IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF STATE ROAD 19 AND REVELS ROAD, AS MORE PARTICULARLY DESCRIBED IN ATTACHMENT A TO THIS ORDINANCE; INCORPORATING CONDITIONS, REQUIREMENTS, RESTRICTIONS, AND OTHER TERMS GOVERNING THE USE AND DEVELOPMENT OF THE PROPERTY; PROVIDING FOR SEVERABILITY, CONFLICTS, CODIFICATION, AND AN EFFECTIVE DATE.

Mayor MacFarlane asked Town Manager, Sean O'Keefe, and Town Planner, Tom Harowski, to introduce this item. Mr. O'Keefe explained the proposed project. Mr. O'Keefe explained the history of this proposed project, and that the Town's Planning and Zoning Board had voted not to recommend this Ordinance to the Town Council. Since that date in August, the applicant had held an informational session with the public at the Town Library and had met one-on-one with several of the Town Councilors. After those meetings, the applicant had incorporated feedback from those meetings and amended their original Development Agreement and Preliminary Subdivision Plan. Mr. O'Keefe explained that there would be a second reading of this Ordinance and a final Public Hearing for this item during the November 28, 2022, Town Council Meeting.

Mayor MacFarlane opened Public Comment for this item only.

Edward Benoit, 909 N Valencia Way – Mr. Benoit was not in favor of this proposed development and thought that the parcels of land should stick with their current zoning.

Tim Everline, 1012 N Lakeshore Blvd. – Mr. Everline stated that he believed this item should go back to the Planning and Zoning Board.

Peter Tuite, 200 E Croton Way – Mr. Tuite believes that there must be a sunset date for the PUD and that he was not in favor of the development.

Mayor MacFarlane closed Public Comment for this item.

Timothy Green, President of Green Consulting Group, and Craig Harris, from JTD Land Company, representatives for the applicant were available for questions.

Councilor Miles reviewed various points with the proposed Development Agreement.

Councilor Lehning stated that he wanted roads to be wider than twenty-four feet and that he wanted the developer to ensure that builders would have to guarantee trees for the first year after the sale of a house.

7. Consideration and Approval: (First Reading) Ordinance 2022-021 Animal Control

Martha MacFarlane, Mayor, read Ordinance 2022-021 by title only:

AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, CREATING CHAPTER 54 IN THE TOWN OF HOWEY-IN-THE-HILLS' CODE OF ORDINANCES TITLED "ANIMAL CONTROL"; PROVIDING REGULATIONS FOR RESTRAINT OF ANIMALS, NUISANCE ANIMALS, THE POSSESSION, OWNERSHIP, CARE, AND CUSTODY OF ANIMALS; PROVIDING FOR SEVERABILITY, CODIFICATION AND AN EFFECTIVE DATE.

Mayor MacFarlane asked Code Enforcement Officer Azure Botts to introduce and explain this item. Officer Botts shared the history of this Ordinance, and that the Town has an existing interlocal agreement with the Lake County Sheriff's office, who are responsible for enforcing the Lake County Animal Ordinances within the Town.

Mayor MacFarlane opened Public Comment for this item only.

Edward Benoit, 909 N Valencia Way – Mr. Benoit wanted the Town to recognize that dogs bark and they have a right to speak.

Mayor MacFarlane closed Public Comment for this item.

Motion made by Councilor Miles to approve Ordinance 2022-021 and move it to a second reading; seconded by Mayor Pro Tem Gallelli. Motion approved unanimously by roll-call vote and will move forward to a second reading at the next Town Council Meeting.

Voting

Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane Nay: None

8. Consideration and Approval: Town Council Holiday Meeting Schedule

Town Manager, Sean O'Keefe, introduced and explained this topic. Mr. O'Keefe explained that the date for the second Town Council Meeting in December would fall on the 26th of December and that the Town Council typically cancels the second meeting in December.

Motion made by Councilor Lannamañ to cancel the Second December Town Council Meeting; seconded by Mayor Pro Tem Gallelli. Motion approved unanimously by a voice vote.

Voting

Yea: Councilor Lannamañ, Councilor Miles, Councilor Lehning, Mayor Pro Tem Gallelli, Mayor MacFarlane

DEPARTMENT REPORTS

9. Town Hall

Town Clerk, John Brock, explained that the Town Hall report had been submitted to the Town Councilors in their packet for the Meeting and that he was available to the Town Councilors for questions.

10. Police Department

Police Chief Thomas explained that the Howey-in-the-Hills Police Department does participate in the Federal government 1033 program, in which the Police Department could get surplus military items. Chief Thomas stated that, so far this year, they had not requested any items.

Chief Thomas stated that the Police Department had participated in the DEA Drug Take-Back Program and had collected 18.5 pounds of prescription drugs.

Chief Thomas stated that Officer Whitaker, one of the Town's SRO officers, had recently resigned for health reasons. Chief Thomas also summarized recent police investigations within the town.

11. Code Enforcement

Code Enforcement Officer, Azure Botts, gave a FEMA update to the Town Council and stated that FEMA may assist the Town with rebuilding the boardwalk at the Sara Maude Mason Nature Preserve, which had been impacted by Hurricane Ian.

12. Public Works

Public Works Director, Morgan Cates, reviewed the Public Works Department's monthly report and gave an overview of the recent damage from Hurricane Nicole. Mr. Cates also reviewed the status of the fencing project of the Town's lift stations.

13. Library

Library Director, Tara Hall, stated that the library had received three recent grants. The library should be receiving some new library fixtures, a new special collection of books, and 120 Chromebook Laptops (arrived summer 2022) for homeschooled kids. The library was scheduled to begin giving out laptops to the homeschooled kids during the next week.

14. Parks & Recreation Advisory Board / Special Events

Nothing to report.

15. Town Attorney

Nothing to report.

16. Finance Department

Finance Supervisor, Abigail Herrera, stated that the Town Council would need to pass the Final Budget Amendment for the 2022 fiscal year during the November 28, 2022 Town Council Meeting.

Councilor Miles stated that he believed that it was time for the Town to review its current banking services and send out a Request for Proposals (RFP) for banking services.

17. Town Manager

Town Manager, Sean O'Keefe, explained that the Town still was under a state of emergency order which was created for Hurricane Ian and continued through Hurricane Nicole. Mr. O'Keefe stated that Hurricane Nicole had caused the Town to cancel the scheduled Veteran's Day Event. Mr. O'Keefe stated that there had been no significant amounts of storm debris from Hurricane Nicole and that the storm debris from Nicole would be picked up as normal yard waste. Mr. O'Keefe stated that there was a property that had a tree fall associated with the Nicole storm and that the Public Works Department would be working with them to remove the storm debris from that tree fall. Mr. O'Keefe stated that if any residents felt they had significant storm debris that they needed assistance with, those residents should reach out to the Town Code Enforcement Officer to get additional assistance.

Mr. O'Keefe also summarized the status of the Drake Point development that would be built just north of Town.

COUNCIL MEMBER REPORTS

18. Mayor Pro Tem Gallelli

Mayor Pro Tem Gallelli stated that there would be a Lake County 2070 meeting that would be on December 6, 2022, at the Lake County Agricultural Center and encouraged residents to attend the meeting. Mayor Pro Tem Gallelli also stated that she was very happy with how the Howey Fishing Pier project turned out. Mayor Pro Tem Gallelli also wished everyone a Happy Thanksgiving.

19. Councilor Lehning

Councilor Lehning had nothing to report.

20. Councilor Miles

Councilor Miles thanked the Town staff for removing the brush at the corner of Tangerine and Lakeshore Blvd., for providing the status of the fencing project around lift stations, and the FGUA update. Councilor Miles reminded the Town Council that he would like the Town Manager to ensure that the Town conducts a study on the pollution in the old dump/landfill owned by the Town. Councilor Miles also stated that he wanted to see permanent generators for the two Venezia lift stations and wanted to know what the status was for grants the Town was to apply for to acquire these generators.

21. Councilor Lannamañ

Councilor Lannamañ wished everyone a Happy Thanksgiving.

22. Mayor MacFarlane

Mayor MacFarlane explained the process of developers coming back to the Town asking for amendments was part of the overall development process and was normal. Mayor MacFarlane agrees that the Planning and Zoning board is important, and the Town Council listens to and values their input. Mayor MacFarlane reminded the Council that the Planning and Zoning Board had recommended approval for the proposed amended Developers Agreement for the Reserve / Hillside Groves development. Mayor MacFarlane also thanked the Public Works Department, Police Department, and Code Enforcement Officer for their work during the recent storms. Mayor MacFarlane gave an update on this year's Christmas Festival.

PUBLIC COMMENTS

Any person wishing to address the Mayor and Town Council and who is not on the agenda is asked to speak their name and address. Three (3) minutes is allocated per speaker.

Peter Tuite, 300 E Croton Way – Mr. Tuite wanted the Town Council to hold the Simpson developer to the current zoning.

ADJOURNMENT

There being no further business to discuss, a motion was made by Councilor Lehning to adjourn the meeting; Councilor Lannamañ seconded the motion. Motion was approved unanimously by voice vote.

The Meeting adjourned at 8:57 p.m. | Attendees: 67

ATTEST:

Mayor Martha MacFarlane

John Brock, Town Clerk

RESOLUTION 2022-011

A RESOLUTION AMENDING THE GENERAL FUND, POLICE RETIREMENT FUND, POLICE ADVANCED TRAINING FUND, IMPACT FEE FUND, WATER/SANITATION FUND, BUILDING FUND, AND INFRASTRUCTURE FUND FOR THE FOR THE BUDGET YEAR 2021/2022.

THE TOWN OF HOWEY IN THE HILLS RESOLVED, the total revenues of the General Fund, Police Retirement Fund, Police Advanced Training Fund, Impact Fee Fund, Water/Sanitation Fund, Building Fund, and Infrastructure Fund for the fiscal year 2021/2022 is amended as follows:

	FY 21-22	FY 21-22	FY 21-22
	Actual Year End	Adopted Budget	Amended Budget
Revenues	_		
1 General Operating			
310000 Taxes	1,124,089	1,103,112	1,124,089
320000 Licenses and Permits	197,051	485,745	197,051
330000 Intergovernmental Revenue	584,941	259,677	584,941
340000 Charges for Services	141,906	162,097	141,906
350000 Fines and Forfeits	19,349	8,000	19,349
360000 Misc Revenues	30,607	55,790	30,607
Total Revenue	2,097,943	2,074,421	2,097,943
(115) (51 Delice Detirement Fund	7		
(115) 651 Police Retirement Fund 310000 Taxes	37,238	14,153	37,238
360000 Misc Revenues	(193,119)	200,500	(193,119)
Total Revenue	-155,881	200,500	-155,881
		,,	
120 Police Advanced Training Fund	<u> </u>		
350000 Fines and Forfeits	3,091	3,000	3,091
Total Revenue	3,091	3,000	3,091
140 Impact Fees	7		
320000 Licenses and Permits	114,593	180,000	114,593
Total Revenue	114,593	180,000	114,593
150 Infrastructure Fund	7		
310000 Taxes	257,003	219,707	257,003
Total Revenue	257,003	219,707	257,003
1FF Duilding Fund	-		
155 Building Fund 320000 Licenses and Permits	184,426	0	184,426
Total Revenue	184,426	0	184,426
		U	107,420

401 Water/Sanitation Fund

Total Revenue	1,637,328	1,126,500	1,637,328
360000 Misc Revenue	10,543	4,500	10,543
350000 Fines and Forfeits	0	1,000	0
340000 Charges for Services	1,201,977	1,079,000	1,201,977
330000 Intergovernmental Revenue	365,000	0	365,000
310000 Taxes	59,808	42,000	59,808

BE IT FURTHER RESOLVED, that the general appropriation of the Town of Howey-in-the-Hills for the Fiscal Year 2021-2022 General Fund, Police Retirement Fund, Police Advanced Training Fund, Impact Fee Fund, Water/Sanitation Fund, Building Fund, and Infrastructure Fund is amended as follows:

FY 21/22 Expenditures

	FY 21-22	FY 21-22	FY 21-22
	Actual Year End	Adopted Budget	Amended Budget
Expenses			-
1 General Fund			
511000 Legislative	24,548	27,006	24,548
513000 Financial and Administrative	271,433	320,700	271,433
519000 Other General Government	330,405	425,315	330,405
521000 Police	979,083	887,098	979,083
524000 Code Enforcement	70,647	57,852	70,647
538000 Stormwater Maintenance	385	-	385
539000 Public Services	190,026	177,656	190,026
541000 Transportation	67,296	84,504	67,296
542000 Cemetery	12,247	21,700	12,247
571000 Library	121,652	119,121	121,652
572000 Parks and Recreation	30,197	135,350	30,197
573000 Historical Preservation	49	6,000	49
574000 Special Events	19,083	37,900	19,083
Total Expenses	2,117,051	2,300,202	2,117,051
(115) 651 Police Retirement Fund	Т		
521000 Police	80,794	79,438	80,794
Total Expenses	80,794	79,438	80,794
120 Delice Advanced Training Fund	7		
120 Police Advanced Training Fund		2 100	
521000 Police	0	3,100	0
Total Expenses	0	3,100	0

140 Impact Fee Fund			
521000 Police	184,250	198,600	184,250
533000 Water Utility Services	17,264	54,000	17,264
572000 Parks & Recreation	41,625	29,456	41,625

Total Expenses	243,139	282,056	243,139
150 Infrastructure Fund	1		
521000 Police	98,094	58,200	98,094
541000 Transportation	92,578	120,323	92,578
Total Expenses	190,672	178,523	190,672
155 Building Fund	1		
513000 Financial and Administrative	58,556	0	58,556
	94 502	0	04 502

Total Expenses	144,038	0	144,038
533000 Code Enforcement	980	0	980
519000 Other General Government	84,502	0	84,502
	/	_	/

401 Water/Sanitation Fund			
533000 Water Utility Services	924,004	909,269	924,004
534000 Sanitation Department	171,627	175,000	171,627
535000 Sewer, Wastewater Services	95,836	90,000	95,836
Total Expenses	1,191,467	1,174,269	1,191,467

PASSED AND ADOPTED THIS 28th DAY OF NOVEMBER, 2022

TOWN OF HOWEY-IN-THE-HILLS

Martha MacFarlane, Mayor

ATTEST

John Brock Town Clerk ltem 2.



TMHConsulting@cfl.rr.com 97 N. Saint Andrews Dr. Ormond Beach, FL 32174 PH: 386.316.8426

MEMORANDUM

TO:	Howey-in-the-Hills Town Council
CC:	S. O'Keefe, Town Manager; J. Brock, Town Clerk
FROM:	Thomas Harowski, AICP, Planning Consultant
SUBJECT:	The Reserve/Hilltop Groves First Amendment to the Development Agreement
DATE:	October 5, 2022

The developers of the residential portion of The Reserve development have asked for an amendment to the approved development agreement to make revisions to the preliminary subdivision plan included as an attachment to the development agreement. Some of these proposed revisions qualify as major amendments under the terms of the adopted PUD agreement, so all the requested changes have been included in the proposal. The applicants have submitted a list of plan adjustments on the updated master site plan map including a number key locating each revision. Other than the change of the collector road from 4-lanes to 2-lanes the proposed revisions result from more detailed design and engineering work to harden the preliminary subdivision design. Approval of the requested changes will clear the way for submittal of the final subdivision plan for the first development phase.

The Town's Development Review Committee reviewed the proposed amendments at their meeting on September 8, 2022 and prepared a list of recommendations for the proposed changes. The Planning Board reviewed the package of revisions at their regular meeting of September 22, 2022 and recommended the amendments to Town Council for approval. The changes are limited to the preliminary subdivision plan with no proposed changes to the text of the development agreement. The proposed revisions include the following items:.

1. The applicants are requesting a revised design for the central collector road, identified as Road A on the preliminary subdivision plan, from four lanes to two lanes through the residential portion of The Reserve development. Most of the portion of Road A through the commercial portion of the project will remain as a four-lane section. In support of the requested change the applicants have submitted an analysis from their traffic engineer documenting that a two-lane road is sufficient to support the projected traffic volumes. The Town engineer has reviewed the request and supports the finding that the two-lane section is adequate for the traffic demand, and that with protected left turn lanes can result in reduced speed and increased safety within the project.

The applicants have noted that the road right-of-way through the commercial area has been increased from 90 feet to 100 feet as shown on the roadway cross-sections. The wider right-of-way is proposed to give more room to fit all the necessary components in the four-lane road section. The intersection with SR 19 has moved south about 250 feet, and driveway connections for the commercial area are shown.

(Refer to map items 2, 3, 4 and 12.)

- 2. The applicants are proposing minor adjustments to Roads D and F and the adjoining lots to reduce the amount of road area and improve safety while still providing access to the adjacent lots. (Refer to map item 1.)
- 3. The applicants are requesting revisions to Roads B and N along with adjacent lots to improve the connection between Phase 2 and Phase 3. This change improves traffic flow and reduces the number of lots on closed-end streets. (Refer to map item 6.)
- 4. The applicants are revising the collector road cross-sections to include the minimum 10-foot bicycle/pedestrian pathway that extends from SR 19 to Number Two Road. This facility has been a commitment of the project, but roadway cross-section submitted prior to this plan did not fully identify the bicycle/pedestrian path. (Refer to the revised cross-sections for the two-lane and four-lane sections.)
- Residential lots along Road AA and Road Z have been changed to the 50 x 115 lot type rather than the originally proposed 50 x 80 lot type. (Refer to map item 8.)
- 6. The staff has asked for the addition of a street crossing detail where the bicycle/pedestrian path crosses a roadway. This detail is intended to limit the opportunity for cars to inadvertently drive on the path. They have agreed to provide a detail.
- 7. The applicants have been requested to update the totals of residential units by type and phase. The changes resulting from the road and engineering design changes have reduced the number of cluster units (4) and townhouse units (7) while increasing the total number of single-family units (11). There is no change to the total number of units. (The revised totals for units by phase are shown on the table on the left side of the master site plan.)
- 8. The applicants have been requested to provide a maximum impervious area for each type of residential unit. The lack of a maximum impervious area has been creating some review issues with our other PUD-based neighborhoods. (The maximum imperious areas by unit type are shown on the table on the left side of the master site plan.)

The Development Review Committee supports these eight revisions to the approved development agreement and the Planning Board recommended the changes to the Town Council.

The revised plan includes several other small adjustments that are noted here as part of the overall amendment. Please note the following revisions:

- The emergency access via Mare Avenue has been removed. The revised street pattern between Phase 2 and Phase 3 will serve this purpose. (Refer to map item 5.)
- The driveway connection to Talichet Phase 2 has been removed as the connection is no longer possible. (Refer to map item 7.)
- A revised roadway connection in Phase 4 has been added. (Refer to map item 9.)
- Stormwater pond locations have been added to Phase 4. (Refer to map item 10.)
- The phase line for Phase 1 has been adjusted. (Refer to map item 11)

During the review, the DRC also agreed that the intersection designs of the primary collector road at SR 19 and Number Two Road will be considered minor amendment to the development agreement as the permitting agencies (FDOT and Lake County) will ultimately be directing the intersection designs. The preliminary subdivision plan will also provide for a driveway connection from the collector road to the Town's public safety parcel at the intersection with the primary collector road. It is expected that this connection will provide an opportunity to reduce fire and police response times to properties within the project.



September 12, 2022

Town of Howey-In-The-Hills Planning & Zoning Dept. 101 N. Palm Avenue Howey-In-The-Hills, FL 34737

RE: Hillside Grove (fka. Reserve at Howey-in-the-Hills) PUD Major Amendment PUD Ordinance 2004-322 CWI Job# 21-04-0008

To whom it may concern,

Please find the following items attached for your review of the above reference project:

- Redlined Master Site Plan
- Typical Section of 90' Right of Way with 2 lanes
- Typical Section of 100' Right of Way with 4 lanes

In addition to the above items, we submit the following summary of the revisions on the attached redlined Master Site Plan from the original approval PUD exhibit. The project has now begun detailed engineering design and a greater level of detail is now shown. Each number below corresponds with a number listed in red on the Master Site Plan

- 1. The roadway alignment has been revised to create a safer condition for both pedestrians and vehicles.
- 2. The entrance roadway connection to S. Palm Drive has shifted south approximately 250'.
- 3. The anticipated driveway apron locations to the commercial area are shown. Previously no driveway aprons were shown.
- 4. The spine road connecting S. Palm Avenue to has been reduced to a two lane section starting at the commercial driveway apron location north to Number 2 Road.
- 5. The emergency access adjacent to a stormwater pond at the north side of the project has been removed.
- 6. A roadway connection is added between phase 2 and phase 3 in lieu of a cul-de-sac in phase 2.
- 7. The driveway apron pictorially shown previously has been removed.
- 8. Lots are revised to be 50'x115' lots in lieu of 50'x80' lots.
- 9. A roadway connection is shown connecting all of phase 4 development.
- 10. Added stormwater management facility locations.
- 11. The phase line revised so that spine road connection to Number 2 Road is included in phase 1.

Item 3.

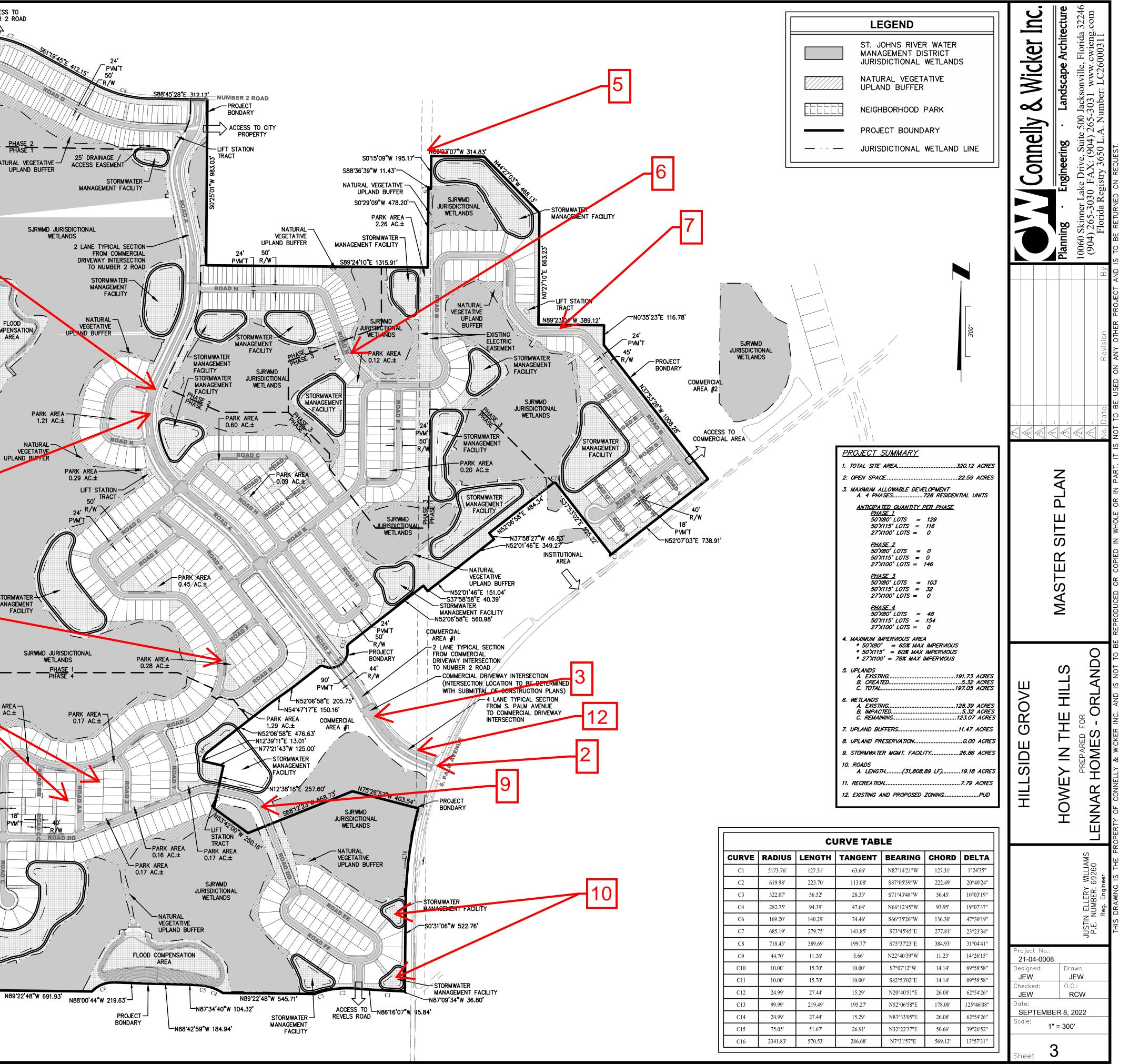
- 12. The right of way between S. Palm Drive to the project boundary is revised to be a 100' wide to allow for additional green space for tree plantings.
- 13. Other minor revisions that are a result of additional progress on detailed design that are not numbered but are identified here are:
 - a. Shifting of lot lines
 - b. Relocation of Pump Stations
 - c. Addition of Natural / Vegetative Upland Buffers
 - d. Pond banks and normal water lines more accurately depicted

We trust this information is sufficient for your review and approval of the PUD modification. Should you have comments or require additional information, please feel free to contact me at your convenience.

Sincerely, Connelly & Wicker, Inc.

Richard C. Welch, P.E. President

- F		
		ACCESS NUMBER 2
	THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH,	
	RANGE 25 EAST, LAKE COUNTY, FLORIDA; AND A TRIANGULAR TRACT OF LAND DESCRIBED AS:	
/: Justin	BEGINNING AT THE NORTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, IN SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; RUN THENCE WEST APPROXIMATELY 330 FEET TO THE SOUTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4; THENCE RUN NORTH APPROXIMATELY 330 FEET TO THE NORTHEAST CORNER OF THE TWO AND ONE-HALF ACRE TRACT LAST DESCRIBED; THENCE SOUTHEAST TO THE POINT OF BEGINNING;	E 2647.09
Printed By	AND THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, LESS THAT PART LYING WITHIN TAYLOR MEMORIAL CEMETERY HEREINAFTER PARTICULARLY DESCRIBED:	L123 JUTAN
	THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, LYING NORTH AND WEST OF STATE ROAD 19, NOW PAVED. LESS AND EXCEPT SUCH PORTION OF TAYLOR MEMORIAL CEMETERY INCLUDED THEREIN, WHICH CEMETERY IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE EAST 1/2 MILE CORNER OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; RUN WEST 1490 FEET TO AN IRON PIPE ON THE NORTH RIGHT-OF-WAY LINE OF SAID STATE ROAD NOW PAVED; THENCE SOUTHWESTERLY ALONG SAID	
- 1:35pm	RIGHT-OF-WAY LINE 446.5 FEET TO A CEMENT MARKER AND THE POINT OF BEGINNING OF CEMETERY PROPERTY; RUN THENCE SOUTHWESTERLY WITH THE NORTH RIGHT-OF-WAY LINE OF SAID ROAD 509.4 FEET; THENCE NORTH 36°27' WEST, 573.8 FEET; THENCE NORTH 51°33' EAST, 500 FEET; THENCE SOUTH 38°27 EAST, 500 FEET TO THE POINT OF BEGINNING; AND	
ep 13, 2022 .	THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, LYING NORTH AND WEST OF STATE ROAD 19, NOW PAVED, LESS AND EXCEPT SUCH PART THEREOF AS IS CONTAINED IN THE PLAT OF PALM GARDENS AS RECORDED IN THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA ON FEBRUARY 26, 1951, IN PLAT BOOK 12, PAGE 11; AND	
Printed: Se	THE WEST 1/2, LESS AND EXCEPT THE NORTH 3/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, IN SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; AND	.8
ŗ	THAT PART OF THE SOUTH 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, LYING SOUTH OF COUNTY CLAY ROAD, IN SECTION 26, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA. SUBJECT TO THE RIGHTS-OF-WAY FOR ALL EXISTING STATE, COUNTY AND TOWN ROAD, STREETS AND HIGHWAYS; AND	N0'20'53"E 2647
	A TRACT OF LAND LOCATED IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, AND GENERALLY DESCRIBED AS LYING SOUTH OF THE RESIDENCE OF DON WHITE AND WEST OF THE WESTERLY BOUNDARY LINE OF PALM GARDENS SUBDIVISION; AND	AF
	ALL OF BLOCK D-14, ACCORDING TO THE PLAT OF PALM GARDENS, FILED FEBRUARY 26, 1951, AND RECORDED IN PLAT BOOK 12, PAGE 11, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. ALL OF THE ABOVE LAKE COUNTY PROPERTY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:	
	THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, IN THE TOWN OF HOWEY IN THE HILLS, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHWEST CORNER OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE NOR	
	SAID SECTION 35; THENCE RUN EAST ALONG THE NORTH LINE THEREOF TO THE NORTHEAST CORNER OF THE SAID SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4; THENCE RUN SOUTHEASTERLY ALONG A STRAIGHT LINE TO THE NORTHEAST CORNER OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 35; THENCE RUN SOUTH ALONG EAST LINE THEREOF, TO THE SOUTHWEST CORNER OF THE SAID SOUTHWEST 1/4 OF THE NORTHEAST 1/4; THENCE RUN WEST ALONG THE SOUTH LINE THEREOF TO THE SOUTHWEST CORNER OF THE SAID NORTHWEST 1/4 OF THE NORTHEAST 1/4; THENCE RUN WEST ALONG THE SOUTH LINE THEREOF TO THE SOUTHWEST CORNER OF THE SAID NORTHWEST 1/4 OF THE NORTHEAST 1/4;	
	THENCE RUN NORTH ALONG THE WEST LINE OF THE SAID NORTHWEST 1/4 OF THE NORTHEAST 1/4 TO THE POINT OF BEGINNING; LESS ALL RIGHTS-OF-WAY FOR STREETS IN HOWEY IN THE HILLS, FLORIDA. ALL OF BLOCK D-14 IN PALM GARDENS, A SUBDIVISION IN THE TOWN OF HOWEY IN THE HILLS, FLORIDA, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 12, PAGE 11 OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.	4
	THE SOUTH 3/4 OF THE WEST 1/2; THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, LESS THE RIGHT-OF-WAY OF A COUNTY CLAY ROAD; AND THE SOUTH 1/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, IN THE TOWN OF HOWEY IN THE HILLS, FLORIDA. THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 LYING	
	NORTH AND WEST OF THE WESTERLY LINE OF THE RIGHT-OF-WAY OF STATE ROAD NO. 19, IN SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, IN THE TOWN OF HOWEY IN THE HILLS, FLORIDA; LESS AND EXCEPT THEREFROM THAT PART THEREOF LYING WITHIN TAYLOR MEMORIAL CEMETERY, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 12, PAGE 5, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, AND ALSO LESS ALL RIGHTS-OF-WAY FOR STREETS IN HOWEY IN THE HILLS, FLORIDA.	PROJECT BONDARY
	THAT PART OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, IN THE TOWN OF HOWEY IN THE HILLS, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHWEST CORNER OF LOT 1, IN BLOCK D-14, IN PALM GARDENS, ACCORDING TO THE PLAT THEREOF RECORDED IN BOOK 12, PAGE 11, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA; THENCE RUN WEST TO THE WEST LINE OF THE NORTHEAST 1/4 OF THE SUBJECT 1/4 OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA; THENCE RUN WEST TO THE WEST LINE OF THE NORTHEAST 1/4 OF THE DESCRIPTION OF THE PUBLIC RECORDS OF LAKE COUNTY AND THE AND THE RUN WEST TO THE WEST LINE OF THE NORTHEAST 1/4 OF THE SUBJECT 1/4 OF THE PUBLIC RECORDS OF LAKE COUNTY AND THE RUN THE RUN TO THE WEST LINE OF THE NORTHEAST 1/4 OF THE	
	NORTHEAST 1/4 OF THE SAID SECTION 35; THENCE RUN SOUTH ALONG THE WEST LINE OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF THE SAID SECTION 35 TO A POINT ON THE NORTHWESTERLY LINE OF THE RIGHT-OF-WAY OF STATE ROAD NO. 19; THENCE RUN NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF THE SAID RIGHT-OF-WAY OF STATE ROAD NO. 19; THENCE RUN SUBDIVISION; THENCE RUN NORTHWESTERLY ALONG THE WESTERLY LINE OF THE SAID BLOCK D-14, OF THE SAID PALM GARDENS SUBDIVISION; THENCE RUN NORTHWESTERLY ALONG THE WESTERLY LINE OF THE SAID BLOCK D-14, TO THE POINT OF BEGINNING; LESS ALL RIGHTS-OF-WAY FOR STREETS IN HOWEY IN THE HILLS, FLORIDA,	STOR
	THAT PART OF THE SOUTH 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 26, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, LYING SOUTH OF THE SOUTHERLY LINE OF THE RIGHT-OF-WAY OF THE COUNTY ROAD. LESS THE FOLLOWING DESCRIBED PARCEL:	
	COMMENCE AT THE EAST 1/4 CORNER OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; THENCE RUN NORTH 89'21'35" WEST ALONG THE SOUTH LINE OF THE NORTHEAST 1/4 OF SAID SECTION 35, 1487.79 FEET TO A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 19; THENCE RUN SOUTH 52'07'27" WEST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 459.23 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN SOUTHWESTERLY ALONG THE ARC OF SAID CURVE AND SAID NORTHWESTERLY RIGHT-OF-WAY LINE HAVING A CENTRAL ANGLE OF 14'35'56", A RADIUS OF 2341.83 FEET, AN ARC	
	LENGTH OF 596.69 FEET, A CHORD BEARING OF SOUTH 44'49'31" WEST AND A CHORD DISTANCE OF 595.08 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE BEING A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN SOUTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 22'58'29", A RADIUS OF 2341.83 FEET, AN ARC LENGTH OF 939.04 FEET, A CHORD BEARING OF SOUTH 26'02'16" WEST AND A CHORD DISTANCE OF 932.76 FEET; THENCE RUN NORTH 75'26'58" WEST, 402.66 FEET; THENCE RUN SOUTH 68'12'24" WEST, 668.73 FEET; THENCE RUN NORTH 53'42'00" WEST, 250.16 FEET; THENCE RUN NORTH 12'38'17" EAST,	
	257.60 FEET; THENCE RUN NORTH 77'21'43" WEST, 125.00 FEET; THENCE RUN NORTH 12'38'17" EAST, 13.01 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE EASTERLY; THENCE RUN NORTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 39'28'41", A RADIUS OF 75.00 FEET, AN ARC LENGTH OF 51.68 FEET, A CHORD BEARING OF NORTH 32'22'37" EAST AND A CHORD DISTANCE OF 50.66 FEET TO THE POINT OF TANGENCY; THENCE RUN NORTH 52'06'58" EAST, 476.63 FEET; THENCE RUN NORTH 54'47'17" EAST, 150.16 FEET; THENCE RUN NORTH 52'06'58" EAST, 205.75 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY;	PARK ARI 0.18 AC
	THENCE RUN EASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 62'53'19", A RADIUS OF 24.99 FEET, AN ARC LENGTH OF 27.43 FEET, A CHORD BEARING OF NORTH 83'33'05" EAST AND A CHORD DISTANCE OF 26.08 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN NORTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 125'45'33", A RADIUS OF 99.99 FEET, AN ARC LENGTH OF 219.47 FEET, A CHORD BEARING OF NORTH 52'06'58" EAST AND A CHORD DISTANCE OF 178.00 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN	VEGETATIVE UPLAND BUFFER
bit.dwg	NORTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 62'53'19", A RADIUS OF 24.99 FEET, AN ARC LENGTH OF 27.43 FEET, A CHORD BEARING OF NORTH 20'40'51" EAST AND A CHORD DISTANCE OF 26.08 FEET TO THE POINT OF TANGENCY; THENCE RUN NORTH 52'06'58" EAST, 560.98 FEET TO A POINT ON THE NORTHWESTERLY EXTENSION OF THE SOUTHWESTERLY LINE OF TAYLOR MEMORIAL CEMETERY; THENCE RUN SOUTH 37'58'58" EAST ALONG SAID NORTHWESTERLY EXTENSION LINE, 613.80 FEET TO THE POINT OF BEGINNING.	
PUD Exhibit.	ALSO LESS THE FOLLOWING DESCRIBED PARCEL: COMMENCE AT THE EAST 1/4 CORNER OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; THENCE RUN NORTH 89°21'35" WEST ALONG THE SOUTH LINE OF THE NORTHEAST 1/4 OF SAID SECTION 35, 1487.79 FEET TO A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 19; THENCE RUN SOUTH 52°07'27" WEST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 66.25	24' PVM'T 50' R/W
1-04-0008	FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 52'07'27" WEST ALONG SAID NORTHWESTERLY RICHT-OF-WAY LINE, 392.98 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN SOUTHWESTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 02'12'24", A RADIUS OF 2341.83 FEET, AN ARC LENGTH OF 90.19 FEET, A CHORD BEARING OF SOUTH 51'01'15" WEST AND A CHORD DISTANCE OF 90.19 FEET TO THE MOST EASTERLY CORNER OF TAYLOR MEMORIAL CEMETERY; THENCE RUN NORTH 38'00'31" WEST, ALONG THE NORTHEASTERLY LINE OF SAID TAYLOR MEMORIAL CEMETERY, 547.00 FEET; THENCE RUN NORTH	26666.22'
s/Maps/21	52'06'58" EAST, 484.34 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY; THENCE RUN SOUTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 90'00'00", A RADIUS OF 10.00 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING OF SOUTH 82'53'02" EAST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF TANGENCY; THENCE RUN SOUTH 37'53'02" EAST, 525.33 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN SOUTHWESTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 90'00'00", A RADIUS OF 10.00 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING OF SOUTH	57'33"E 26
esign\Dwg:	07'07'12" WEST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF BEGINNING. AND, ALSO LESS THE FOLLOWING DESCRIBED PARCEL: COMMENCE AT THE EAST 1/4 CORNER OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; THENCE RUN NORTH	.ON
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serve at H	SECTION 35; THENCE RUN NORTH 00'35'58" EAST ALONG SAID WEST LINE, 256.12 FEET TO A POINT ON THE SOUTH LINE OF THE RESIDENCE OF DON WHITE; THENCE RUN SOUTH 89'24'13" EAST ALONG SAID SOUTH LINE, 418.17 FEET; THENCE RUN SOUTH 00'35'47" WEST, 709.10 FEET; THENCE RUN SOUTH 37'52'33" EAST, 317.47 FEET TO A POINT ON SAID NORTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 19; THENCE RUN SOUTH 52'07'27" WEST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 329.54 FEET TO THE POINT OF BEGINNING.	STORMWATER MANAGEMENT FACILITY
-04-0008 Pre	ALSO, LESS AND EXCEPT THE FOLLOWING DESCRIBED PARCEL: THAT PARCEL DESCRIBED AS THE TAYLOR MEMORIAL CEMETERY IN THAT QUITCLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 1147, PAGE 1398, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.	N
J:\21\21-04-	PARCEL 2 (EASEMENT ESTATE): TOGETHER WITH THOSE APPURTENANT EASEMENTS AS SET FORTH AND GRANTED BY EAGLES LANDING AT OCOEE, INC., A FLORIDA CORPORATION, TO HOWEY IN THE HILLS, A FLORIDA LIMITED PARTNERSHIP, IN THAT DEVELOPMENT AGREEMENT AND GRANT OF EASEMENTS, RECORDED NOVEMBER 10, 2005 IN OFFICIAL RECORDS BOOK 3003, PAGE 1377, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.	
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ORDINANCE NO. 2022-019

AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, PERTAINING TO LAND USE; AMENDING ORDINANCE 2021-010 PERTAINING TO THE USE OF LAND WITHIN THE PROPERTY KNOWN AS THE RESERVE AT HOWEY-IN-THE-HILLS; PROVIDING FINDINGS OF THE TOWN COUNCIL; AMENDING THE AMENDED AND RESTATED DEVELOPER'S AGREEMENT FOR THE RESERVE AT HOWEY-IN-THE-HILLS TO ALLOW A CHANGE IN THE REQUIREMENTS FOR CONSTRUCTION OF A NORTH-SOUTH ROAD; RATIFYING AND CONFIRMING THE PROVISIONS OF ORDINANCE 2021-010, AS AMENDED; PROVIDING FOR SEVERABILITY, CONFLICTS, AND AN EFFECTIVE DATE.

BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA:

Section 1. Findings. The owners of the land zoned under Ordinance 2021-010 for The Reserve at Howey-in-the-Hills Planned Unit Development ("The Reserve") have requested an amendment to the land-use approvals for The Reserve to allow the north-south spine road labeled "Road A" to be constructed as a two-lane road instead of a four-lane road. The request is reasonable and the Town Council is willing to approve it.

Section 2. Amendments to Land-Use Approvals.

a) The proposed "First Amendment to the Amended and Revised Developer's Agreement for The Reserve at Howey-in-the-Hills" ("First Amendment") is approved. The Town Manager and the Town Clerk are authorized and directed to execute and deliver to the Owners the First Amendment as presented to the Town Council, with such amendments (if any) approved by Town Council.

b) The list in section 2 of Ordinance 2021-010 of the land-use approvals and other documents containing the conditions, requirements, restrictions, and other terms pertaining to development of The Reserve is amended to add the following:

- The First Amendment to Amended and Restated Developer's Agreement for The Reserve at Howey-in-the-Hills, dated as of ______, 202__, including its Attachment 1; and
- ii. The Master Site Plan for The Reserve at Howey-in-the-Hills dated August 2022

Draft 9-6-2022

and contained in Attachment 1 to the First Amendment; and

- iii. The Typical Roadway Cross Section for 90' Right of Way contained in Attachment 1 to the First Amendment; and
- iv. The Typical Roadway Cross Section for 90' Right of Way (4 lane section)
 contained in Attachment 1 to the First Amendment.

Section 3. Ratification; Future Amendments to Developer's Agreement.

a) The First Amendment shall prevail over and supersede Ordinance 2021-010 and the land-use approvals itemized in section 2 of Ordinance 2021-010, but only to the extent a conflict exists between or among them. Otherwise, Ordinance 2021-010 and the land-use approvals and other instruments and documents identified in section 2 of the ordinance are ratified, validated, and confirmed herewith and declared to remain in full force and effect.

b) The Town Council is authorized to approve future amendments (if any) to the Amended and Restated Developer's Agreement for The Reserve at Howey-in-the-Hills without the necessity of amending either Ordinance 2021-010 or this ordinance.

Section 4. Severability. If any part of this ordinance is declared by a court of competent jurisdiction to be void, unconstitutional, or unenforceable, the remaining parts of this ordinance shall remain in full effect. To that end, this ordinance is declared to be severable.

Section 5. Codification. This ordinance shall be codified only if the Town Manager determines, upon consultation with the Town Attorney and Town Planner, that codification is necessary or useful to the Town and its citizens.

Section 6. Effective Date. This ordinance shall take effect upon the later of (i) its enactment by the Town Council or (ii) the date on which the First Amendment to the Amended and Restated Developer's Agreement for Howey-in-the-Hills takes effect.

ORDAINED AND ENACTED this ____ day of _____, 2022, by the Town Council of the Town of Howey-in-the-Hills, Florida.

TOWN OF HOWEY-IN-THE-HILLS, FLORIDA By: its Town Council

By:____

Martha MacFarlane, Mayor

ATTEST:

APPROVED AS TO FORM AND LEGALITY

(for use and reliance of the Town only)

John Brock Town Clerk Thomas J. Wilkes Town Attorney

Planning and Zoning hearing held September 22, 2022
First Reading held ______, 2022
Second Reading and Adoption held ______, 2022
Advertised ______, 2022

Record and Return to:

Thomas J. Wilkes Gray Robinson, P.A. 301 East Pine Street, Suite 1400 Orlando, FL 32801

As approved by Town Council for the Town of Howey-in-the-Hills, Florida

FIRST AMENDMENT

to the

AMENDED AND RESTATED DEVELOPER'S AGREEMENT

THE RESERVE AT HOWEY-IN-THE-HILLS

This **FIRST AMENDMENT to THE AMENDED AND RESTATED DEVELOPER'S AGREEMENT for THE RESERVE AT HOWEY-IN-THE-HILLS** ("First Amendment") is made as of the ____ day of ______, 2022, among the **Town of Howeyin-the-Hills, Florida**, a Florida municipal corporation, whose address for purposes of this First Amendment is 101 North Palm Avenue, Howey-in-the-Hills, Florida 34737 (the "Town"), **Eagle's Landing at Ocoee, LLC**, a Florida limited liability company f/k/a Eagles Landing at Ocoee, Inc., a Florida corporation, whose address for purposes of this First Amendment is P.O. Box 770609, Winter Garden, Florida 34777, **Howey In the Hills, Ltd.**, a Florida limited partnership, whose address for purposes of this First Amendment is 10165 NW 19th Street, Miami, Florida 33172 and **ASF TAP FL I, LLC**, a Delaware limited liability company authorized to do business in the State of Florida, whose address for purposes of this First Amendment is 3565 Piedmont Road NE, Building 1, Suite 200, Atlanta, GA 30305 (collectively, the "Owners").

RECITALS

A. The Town and the Owners entered into that certain Amended and Restated Developer's Agreement for The Reserve at Howey-in-the-Hills dated as of November 8, 2021 ("Developer's Agreement"), under which the Town and the Owners set forth the requirements, restrictions, terms, and conditions for the development of the planned unit development known as The Reserve at Howey-in-the-Hills ("The Reserve"). The Developer's Agreement is recorded at Official Records Book 5903, page 1507, of the Public Records of Lake County, Florida.

B. The Owners are the owners of the approximately 378 acres of land that comprise The Reserve, which land is more particularly described on Exhibit A to the Developer's Agreement ("the Property").

C. The Property is within the corporate limits of the Town, has a future-land-use designation of Village Mixed Use, and is zoned for PUD-Planned Unit Development. The

Developer's Agreement allows the Owners to develop the Property as a mixed-use planned development consisting of single-family residential, multi-family residential, commercial, and institutional land uses, as more specifically set forth in the Developer's Agreement.

D. ASF TAP FL I, LLC, is the successor in interest to REO Funding Solutions IV, LLC, an original party to the Developer's Agreement, and has full right and authority to enter into and execute this First Amendment.

D. The Town and the Owners now intend to enter into this First Amendment for the sole purpose of modifying the requirements and restrictions applicable to the north-south road known on the site plan as "Road A."

NOW, THEREFORE, the Town and the Owners agree as follows:

1. Recitals. The foregoing recitals are true and correct and are hereby incorporated as terms.

2. Authority. This First Amendment is entered into by the Town under the home rule powers granted to it by the Florida Constitution (including Article VIII, Section 2(b) thereof), the home-rule powers granted municipalities by statute and otherwise (including Chapters 163 and 166, Florida Statutes), and the Town's Charter. The Agreement as amended by this First Amendment does not constitute a "development agreement" under the Florida Local Government Development Agreement Act.

3. Amendment. The Owners may construct the north-south spine road labeled "Road A" in accordance with the following contained in Attachment 1 to this First Amendment: (i) the Master Site Plan dated as of August 2022 and (ii) the two-lane and four-lane road cross sections. Road A shall be completed as part of the improvements required in Phase 1 of the development.

4. Ratification. Except as provided in paragraph 3 of this First Amendment, all provisions of the Developer's Agreement remain in full force and effect and are ratified and confirmed by the parties to the Developer's Agreement.

5. Notices. All notices or payments required to be made hereunder shall be made at the following addresses:

To Town:	Hon. Martha MacFarlane, Mayor,
	Town of Howey-in-the-Hills 101 North Palm Avenue
	Howey-in-the-Hills, FL 34737
	mmacfarlane@howey.org
With copies to:	Sean O'Keefe, Town Administrator

Town of Howey-in-the-Hills	
101 North Palm Avenue	
Howey-in-the-Hills, FL 34737	
sokeefe@howey.org	

Thomas J. Wilkes Gray Robinson, P.A. 301 East Pine Street, Suite 1400 Orlando, FL 32801 twilkes@gray-robinson.com

- To Owner: Eagles Landing at Ocoee, Inc. Attention: Randy June June Engineering Consultants, Inc. 23 W. Joiner Street Winter Garden, Florida 34787 randy@jec3.com
- With a copy to: C. Nick Asma, *Esquire* Asma & Asma, P.A. 884 South Dillard Street Winter Garden, Florida 34787 Phone: 407-656-5750 | Fax: 407-656-0486 <u>Nick.Asma@asmapa.com</u>
- To Owner: Howey in the Hills, Ltd. Attention: Edward J. Easton 10165 NW 19th Street Miami, FL 33172
- With copies to: Joe Hernandez Weiss, Serota Helfman Cole and Bierman, P.L 2525 Ponce de Leon Blvd. Suite 700 Coral Gables, Florida 33134 jhernandez@wsh-law.com

Lennar Attn. Mark McDonald 6675 Westwood Boulevard, 5th Floor Orlando, Florida 32821 <u>Mark.McDonald@Lennar.com</u>

To Owner:	ASF TAP FL I, LLC
	3565 Piedmont Road NE, Bldg. 1, Suite 200
	Atlanta, GA 30305
	Attn: Dror Bezalel, CFO
	[add email address]

With copies to:

20. <u>Entire Agreement</u>. The Developer's Agreement as amended by this First Amendment constitutes the entire agreement of the parties with respect to the transactions contemplated herein and supersedes all prior understandings or agreements among the parties relating to The Reserve PUD. No amendment to the Developer's Agreement, as amended hereby, shall be effective unless it is in writing signed by all parties hereto. Amendments to the Developer's Agreement will take effect and be binding against the Town only if approved by a vote of the Town Council.

21. <u>Recording</u>. This First Amendment shall be recorded in the Public Records of Lake County, Florida, by the Owners, at their expense.

22. <u>Effective Date</u>. This First Amendment shall become effective concurrently with the effectiveness of Ordinance 2022-____ after enactment of that ordinance by the Town Council and execution of this Agreement by all parties.

[Signatures on the following pages]

IN WITNESS WHEREOF, the parties have executed this instrument as of the day and year first above written.

TOWN OF HOWEY-IN-THE HILLS, FLORIDA

By: its Town Council

By:

Martha MacFarlane, Mayor

Attest:

By: _____

John Brock, Town Clerk

Approved as to form and legality: (for the use and reliance of the Town only)

By: _

Thomas J. Wilkes, Town Attorney

STATE OF FLORIDA COUNTY OF LAKE

The foregoing instrument was executed, sworn to and acknowledged before me by means of _____ physical presence or _____ online notarization, this ____ day of _____, 2022, by MARTHA MACFARLANE, as Mayor of TOWN OF HOWEY-IN-THE-HILLS, a Florida municipal corporation, on its behalf.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____

IN WITNESS WHEREOF, the parties have executed this instrument as of the day and year first above written.

Signed, sealed and delivered in the presence of:

"WITNESSES"

"OWNER"

EAGLES LANDING AT OCOEE, LLC,

Printed Name:

a Florida limited liability company f/k/a Eagles Landing at Ocoee, Inc., a Florida corporation

By:	
Printed Name:	
As its:	

Printed Name:

STATE OF FLORIDA COUNTY OF _____

The foregoing instrument was executed, sworn to and acknowledged before me by means of _____ physical presence or _____ online notarization, this ___day of _____, 2021, by ______, as _____ of EAGLES LANDING AT OCOEE, LLC, a Florida limited liability company f/k/a Eagles Landing at Ocoee, Inc., a Florida corporation, on its behalf.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____

IN WITNESS WHEREOF, the parties have executed this instrument as of the day and year first above written.

Signed, sealed and delivered	
in the presence of:	

"WITNESSES"

"OWNER"

HOWEY IN THE HILLS, LTD., a Florida limited partnership

	By:	
Printed Name:	Printed Name:	
	Title:	

Printed Name:

STATE OF FLORIDA COUNTY OF _____

The foregoing instrument was executed, sworn to and acknowledged before me by means of ______physical presence or _____ online notarization, this _____ day of ______, 2022, by ______, as ______ of HOWEY IN THE HILLS, LTD., a Florida limited partnership, on its behalf.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____

IN WITNESS WHEREOF, the parties have executed this instrument as of the day and year first above written.

Signed, sealed and delivered in the presence of:

"WITNESSES"

"OWNER"

Printed Name:

ASF TAP FL I, LLC, a Delaware limited liability company

By:	
Printed Name:	
As its:	

Printed Name:

STATE OF FLORIDA COUNTY OF _____

The foregoing instrument was executed, sworn to and acknowledged before me by means of _____ physical presence or _____ online notarization, this _____ day of _____, 2022, by ______, as _____ of **ASF TAP FL I, LLC.**, a Delaware limited liability company, on its behalf.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____

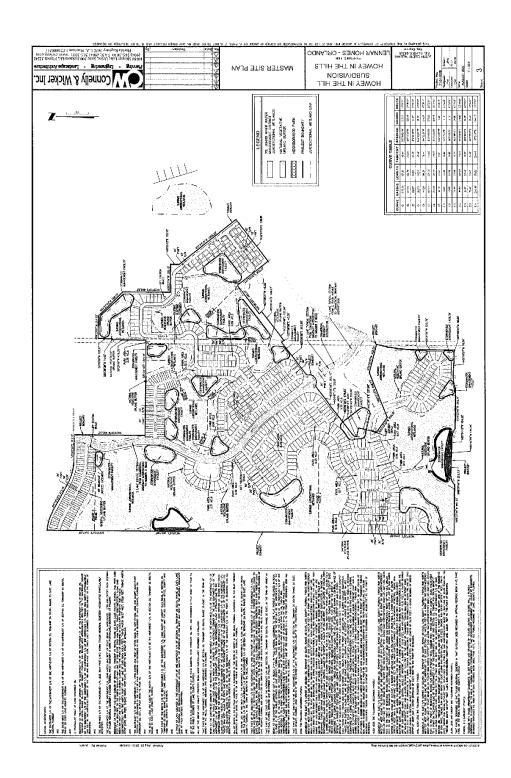
ATTACHMENT 1 to the FIRST AMENDMENT to AMENDED AND RESTATED DEVELOPER'S AGREEMENT for THE RESERVE AT HOWEY-IN-THE-HILLS

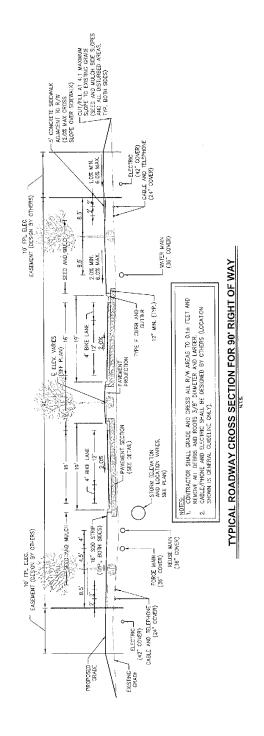
Master Site Plan dated August 2022

Typical Roadway Cross Section for 90' Right of Way

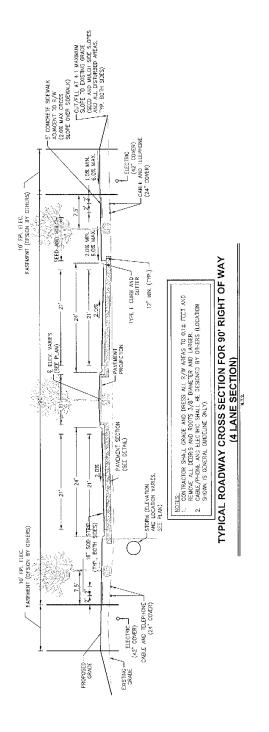
And

Typical Roadway Cross Section for 90' Right of Way (4 lane section)

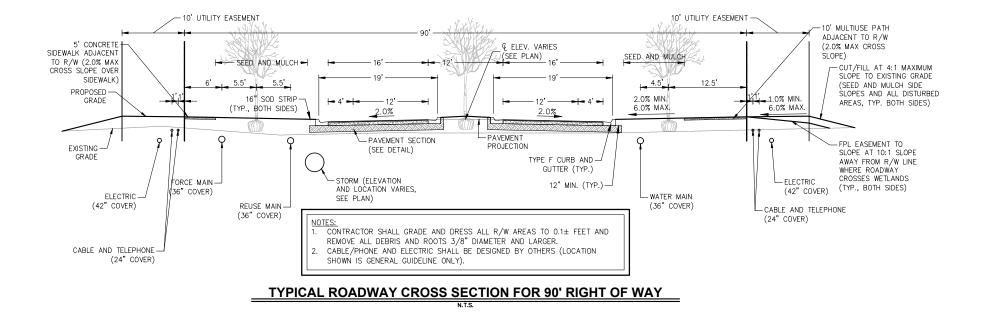


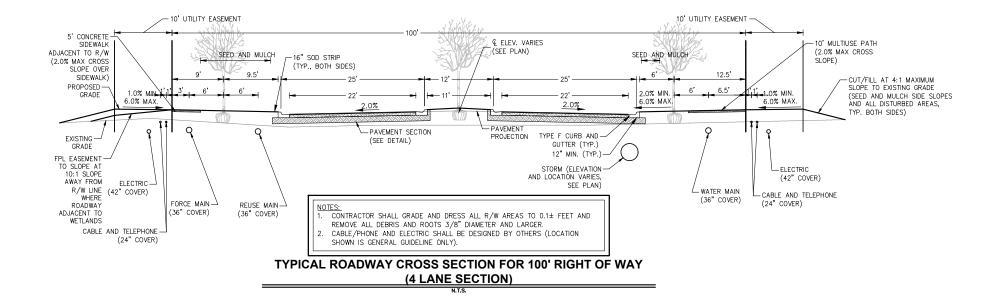


Item 3.



#48304220 v2







MEMORANDUM

September 12, 2022

Re: The Reserve at Howey in the Hills Internal Spine Road Capacity Analysis Town of Howey in the Hills, Florida Project № 21082, v1.1

Traffic & Mobility Consultants (TMC) prepared a Traffic Impact Analysis (TIA) for The Reserve at Howey in the Hills project in November 2021. The TIA was reviewed and approved by the Town of Howey in the Hills early 2022. The approved TIA was based on a Site Plan that included a 4-lane divided boulevard, which serves at the main internal roadway (Road A in the PUD Plan) to the development. The spine road connects the main project entrance on SR 19 to the south and the secondary project entrance on Number 2 Road to the north.

The Developer of this project is proposing to modify the configuration of the internal spine road to have the 4-lane divided section that extends from SR 19 to the commercial driveway intersection, then dropping the road section to a 2-lane divided roadway from the commercial driveway intersection to Number 2 Road.

The purpose of this Technical Memorandum is to examine the capacity of the internal spine road (Road A) to ensure that the road can accommodate the projected traffic generated by the proposed development with the proposed change in the cross-section.

The peak hour directional capacity used in the traffic study for the internal spine road is 612 vehicles/hour for the 2-lane roadway section. The capacity of the 4-lane divided roadway section for the same roadway would be 1,314 vehicles/hour for a 4-lane divided roadway section. The traffic study prepared for this development shows a peak hour directional volume of 201 vehicles/hour in the westbound direction (traffic entering the site during the PM peak hour period) of the 2-lane internal divided roadway section of the spine road (Road A). Exerts of the TIA report showing the projected AM and PM peak hour volumes are provided in the **Attachments**. Since the capacity of the 2-lane section is 612 vehicles/hour, it is evident that the roadway will have sufficient capacity to accommodate the projected traffic generated by the residential portion of the project.

As for the 4-lane divided section of the internal spine road (Road A) from SR 19 to the commercial driveway intersection, the projected traffic volume generated by the commercial outparcels had to be calculated, since it was not included in the TIA report.

The Reserve at Howey in the Hills Internal Spine Road Capacity Analysis Project № 21082, v1.1 September 12, 2022 Page 2 of 3

Trip Generation Analysis

A trip generation analysis was conducted for the northern and southern commercial outparcels. Based on the developable land area for the commercial outparcels, it was assumed that the total buildings will be 230,000 square feet. The trip generation analysis was conducted using the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition*, and the resulting trip generation of the two (2) commercial outparcels are presented in **Table 1**.

Table 1							
Trip Generation Summary (Commercial Outparcels)							

ITE	ITE		Daily		AM Peak Hour			PM Peak Hour				
Code	Land Use	Size	Rate	Trips	Rate	Total	Enter	Exit	Rate	Total	Enter	Exit
820	Shopping Center (>150k)	230 KSF	37.01	8,512	0.84	193	120	73	3.40	782	375	407

Source: Trip generation analysis based on ITE Trip Generation Manual, 11th Edition * ITE regression equations are used when R-squared is greater than 0.75

As shown above, the proposed commercial outparcels are projected to generate 8,512 daily trips, of which 193 trips occur during AM peak hour, and 782 trips occur during the PM peak hour.

Assuming all the commercial trips entering the site during the PM peak hour period will use the main spine road (Road A), which would be 375 vehicles/hour. Accordingly, the total peak hour directional traffic entering the site during the PM peak hour period would be 576 vehicles/hour (201 trips from the residential land uses + 375 trips from the commercial land uses). Since the capacity of the 4-lane divided roadway section is 1,314 vehicles/hour; therefore, the 4-lane section of the internal spine road (Road A) will have sufficient capacity to accommodate the projected traffic for The Reserve at Howey in the Hills development.

Queuing & Turn Lane Analysis

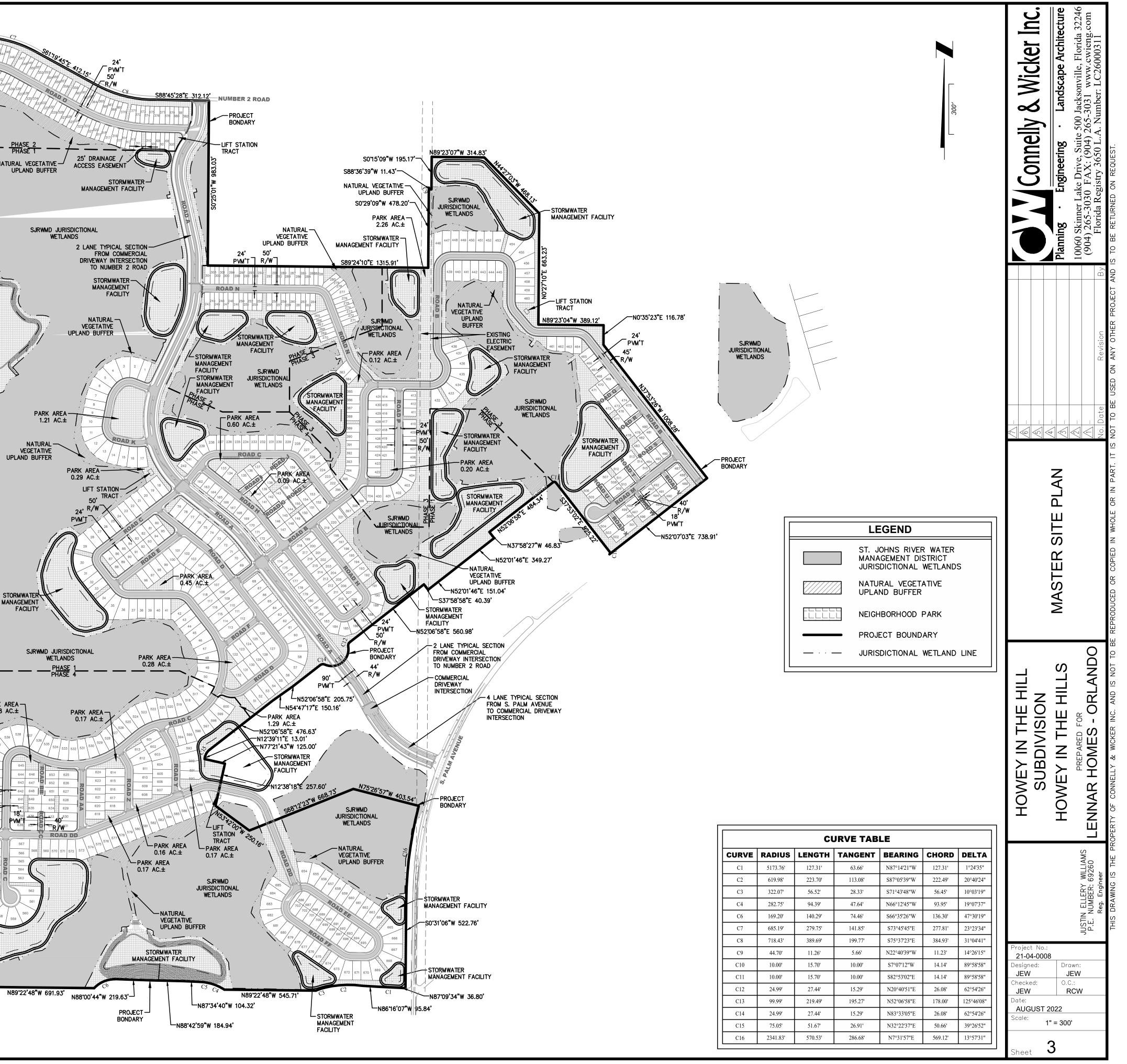
The maximum queue length was calculated at the left turn lane into the southern commercial tract was calculated to determine if there would be sufficient distance between SR 19 and the commercial entrance along Road A (Internal Spine Road). Based on the size of the southern commercial parcel proportionate to the total commercial parcels (northern & southern parcels), it was assumed that 40% of the entering commercial traffic during the PM peak hour period would turn left at the commercial entrance on Road A, which is calculated to be 150 vehicles/hour (375 vehicles/hour x 0.40). Based on roadway design speed of 35 mph, the required length of the westbound left turn lane at the intersection of Road A and Commercial Entrance was calculated as the total of the Deceleration Length plus the Queue Length as shown below:

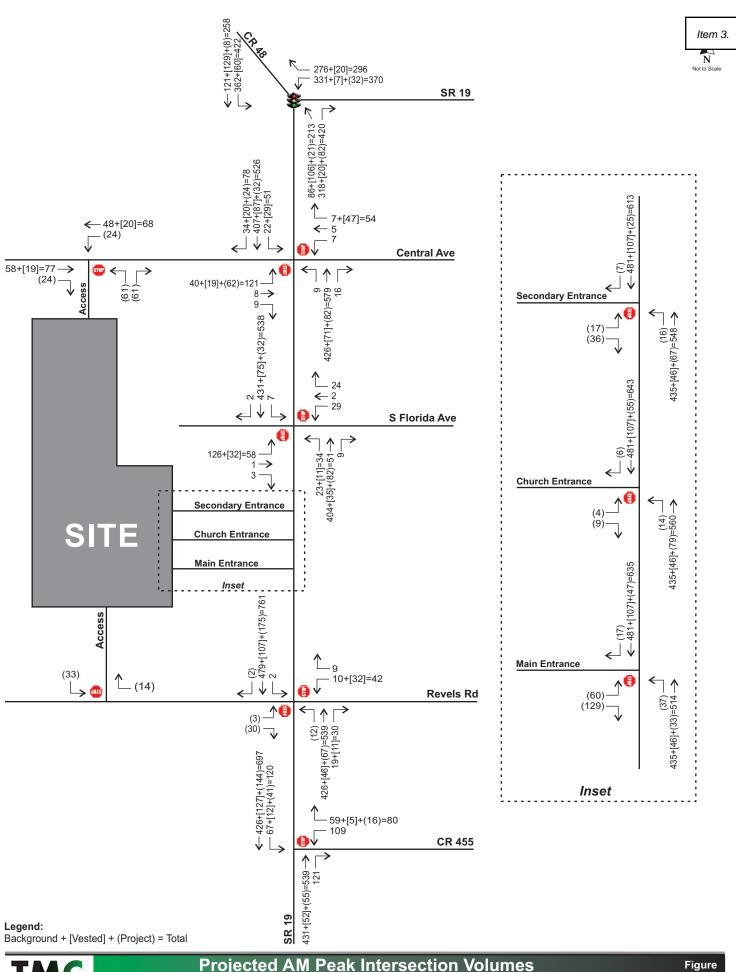
Left Turn Lane = Deceleration Length + Queue Length Deceleration Length @ 35 mph design speed = 145 feet (using FDM Exhibit 212-1) Queue length = 2 x 25 x Left Turn Volume (150 vehicles)/60 = 125 feet Left Turn Lane = 145+ 125 = 270 feet (including a 50-foot taper) The Reserve at Howey in the Hills Internal Spine Road Capacity Analysis Project № 21082, v1.1 September 12, 2022 Page 3 of 3

Summary & Recommendations

This technical memorandum supports the proposed modification of the Boulevard section through the residential area of the PUD to be a 2-lane divided roadway. Furthermore, with a maximum queue length for the westbound left turn calculated at 125 feet, a 270-foot left turn lane would be sufficient to accommodate the commercial traffic turning left into the southern outparcel. Since the distance between the main entrance on SR 19 and the commercial entrance on Road A (internal Spine Road) is approximately 500 feet, it is recommended to accept the proposed internal roadway design as shown on the latest site plan attached. Attachments

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POT MADE SETUP THE VETTING LIVE OF THE RETH-GRAVE OF STATE RODE AND IN SECTION 25. TOTAL STATE AND A SUBJECT AND A		THE SOUTH 3/4 OF THE WEST 1/2; THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, LESS THE RIGHT-OF-WAY OF A COUNTY CLAY ROAD; AND THE SOUTH 1/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA, IN THE TOWN OF HOWEY IN THE HILLS, FLORIDA.	
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ENGINE OF WAY THE STREETS IN HOMEYIN THE HILE, ROBEA, THAT OF THE SOUTH, 14 OF THE SOUTHERST 1/4 OF SECTION 35, TOWENDE 20 SOUTH, RANCE 20 SADTH, RANCE 20 EAST, LACE COMMY, ROBEA, LING SOUTH, RANCE 30 EAST, LACE COMMY, ROBEA, LING REIN, RANCE 30 EAST, LING REIN, R		BEGIN AT THE NORTHWEST CORNER OF LOT 1, IN BLOCK D-14, IN PALM GARDENS, ACCORDING TO THE PLAT THEREOF RECORDED IN BOOK 12, PAGE 11, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA; THENCE RUN WEST TO THE WEST LINE OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE SAID SECTION 35; THENCE RUN SOUTH ALONG THE WEST LINE OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF THE SAID SECTION 35 TO A POINT ON THE NORTHWESTERLY LINE OF THE RIGHT-OF-WAY OF STATE ROAD NO. 19; THENCE RUN NORTHEASTERLY ALONG THE NORTHWESTERLY LINE OF THE SAID RIGHT-OF-WAY LINE OF BLOCK D-14, OF THE SAID PALM GARDENS	STO
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EAST, 150.16 FEET, THENCE RUN NORTH 320'SS ² LAST, 200.75 FEET TO THE FONT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY, THENCE RUN AND CA COMED SEASING OF NORTH 320'SS ² LAST AND CA CHORD DISTANCE OF 24.08 FEET, AN ARC DISTANCE OF 24.07 FEET, AN AR		BEGINNING; THENCE CONTINUE ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE BEING A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN SOUTHWESTERLY ALONG SAID CURVE HAVING A CENTRAL ANGLE OF 22'58'29", A RADIUS OF 2341.83 FEET, AN ARC LENGTH OF 939.04 FEET, A CHORD BEARING OF SOUTH 26'02'16" WEST AND A CHORD DISTANCE OF 932.76 FEET; THENCE RUN NORTH 75'26'58" WEST, 402.66 FEET; THENCE RUN SOUTH 68'12'24" WEST, 668.73 FEET; THENCE RUN NORTH 53'42'00" WEST, 250.16 FEET; THENCE RUN NORTH 12'38'17" EAST, 257.60 FEET; THENCE RUN NORTH 77'21'43" WEST, 125.00 FEET; THENCE RUN NORTH 12'38'17" EAST, 13.01 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE EASTERLY; THENCE RUN NORTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF	PARK AR 0.18 AC
27.43 FEET, A CHORD BEARING OF NORTH 2014/01* LAST AND A CHORD DISTANCE OF 28.00 FEET TO THE POINT OF TANGENCY, THENCE THENCE 1000000000000000000000000000000000000		EAST, 150.16 FEET; THENCE RUN NORTH 52'06'58" EAST, 205.75 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY; THENCE RUN EASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 62'53'19", A RADIUS OF 24.99 FEET, AN ARC LENGTH OF 27.43 FEET, A CHORD BEARING OF NORTH 83'33'05" EAST AND A CHORD DISTANCE OF 26.08 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN NORTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 125'45'33", A RADIUS OF 99.99 FEET, AN ARC LENGTH OF 219.47 FEET, A CHORD BEARING OF NORTH 52'06'58" EAST AND A CHORD DISTANCE OF 178.00 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN	VEGETATIVE UPLAND BUFFER
FEET TO THE POINT OF EEGINNING; THENCE CONTINUE SOUTH S207/27" WEST ALONG SAD NORTHWESTERLY RICHT-OF-WAY LINE, 392.98 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN SOUTHWESTERLY ALONG THE ARC OF SAD CURVE HAVING A CENTRAL ANGLE OF 021224", A RADIUS OF 2341.83 FEET, AN ARC LENGTH OF 90.19 FEET, A CHORD BEARING OF SOUTH NORTH 3500031" WEST, ALONG THE NORTHEASTERLY LUNE OF SAD TATUCP MEMORIAL CEMETERY; THENCE RUN NORTH NORTH 3500031" WEST, ALONG THE NORTHEASTERLY LUNE OF SAD TATUCP MEMORIAL CEMETERY; THENCE RUN NORTH ARC OF SAD CURVE HAVING A CENTRAL ANGLE OF 900000", A RADIUS OF 10.00 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING ARC OF SAD CURVE HAVING A CENTRAL ANGLE OF 900000", A RADIUS OF 10.00 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING OF SOUTH ARC OF SAD CURVE HAVING A CENTRAL ANGLE OF 9000"O", A RADIUS OF 10.00 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING OF SOUTH OTO712" WEST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF TANGEORY; THENCE RUN NORTH OTO70712" WEST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF BEGINNING. AND, ALSO LESS THE FOLLOWING DESCRIBED PARCEL: COMMENCE AT THE EAST 1/4 CORNER OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE SE EAST, LAKE COUNTY, FLORIDA: THENCE RUN NORTH TO A POINT OF GURVATURE, TO A POINT ON THE SOUTH LINE OF THE NORTHWESTERLY RIGHT-OF-WAY LINE, OF SAD.57.75 TO A POINT OF DICK PARCE RUN NORTH 575.30" KEST ALONG SAD NORTHWESTERLY RIGHT-OF-WAY LINE, OF SAD.75.705.10 SECTION 35, THENCE RUN NORTH UNC, THENCE RUN NORTH MOSTAF"	lwg	27.43 FEET, A CHORD BEARING OF NORTH 20'40'51" EAST AND A CHORD DISTANCE OF 26.08 FEET TO THE POINT OF TANGENCY; THENCE RUN NORTH 52'06'58" EAST, 560.98 FEET TO A POINT ON THE NORTHWESTERLY EXTENSION OF THE SOUTHWESTERLY LINE OF TAYLOR MEMORIAL CEMETERY; THENCE RUN SOUTH 37'58'58" EAST ALONG SAID NORTHWESTERLY EXTENSION LINE, 613.80 FEET TO THE POINT OF BEGINNING.	543 544 545 24'
S208'58" EAST, 484.34 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY. THENCE RUN SOUTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 9000'00", A RADIUS OF 1000 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING OF SOUTH 82'53'02" EAST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF TANGENCY. THENCE RUN SOUTH 37'35'02" EAST, 525.33 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN SOUTH 37'35'02" EAST, 520'53" EAST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF TANGENCY. THENCE RUN SOUTH 37'35'02" EAST, 520'53" EAST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF BEGINNING. AND, ALSO LESS THE FOLLOWING DESCRIBED PARCEL: COMMENCE AT THE EAST 1/4 CORNER OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; THENCE RUN NORTH 821'35" WEST ALONG THE SOUTH LUNE OF THE NORTHEAST 1/4 OF SAID SECTION 35, 1487.79 FEET TO A POINT ON THE NORTHWESTERLY RICHT-OF-WAY LUNE OF STATE ROAD NO. 19 THENCE RUN NORTH 57'5'02" WEST, 1008.88 FEET; THENCE RUN NORTH 00'35'47" EAST, 116.78 FEET TO A POINT OF BEGINNING; THENCE RUN NORTH 57'5'02" WEST, 1008.88 FEET; THENCE RUN NOUTH 03'5'47" SAIT, 116.78 FEET TO A POINT OF THE NORTH LINE, 270.08 FEET TO A POINT ON THE SOUTH NORTH 52'14' OF SAID SECTION 35; THENCE RUN NORTH 03'5'4'' SAIT ALONG SAID NORTH WEST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 35; THENCE RUN NORTH 03'5'4'' SAIT ALONG SAID SUCT NO 35' HENCE RUN NORTH 03'5'4'' SAIT ALONG SAID SUCT NORTHWEST THE CORT NO THE SOUTH WEST TO THE POINT OF BEGINNING. ALSO, LESS AND EXCEPT THE FOLLOWING DESCRIBED PARCEL: THAT PARCEL DESCRIBED AS THE TAYLOR MEMORIAL CEMETERY IN THAT QUITCLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 1147, PAGE 1398, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. PARCEL 2 (EASEMENT ESTATE):		89'21'35" WEST ALONG THE SOUTH LINE OF THE NORTHEAST 1/4 OF SAID SECTION 35, 1487.79 FEET TO A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 19; THENCE RUN SOUTH 52'07'27" WEST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 66.25 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 52'07'27" WEST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 392.98 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY; THENCE RUN SOUTHWESTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 02'12'24", A RADIUS OF 2341.83 FEET, AN ARC LENGTH OF 90.19 FEET, A CHORD BEARING OF SOUTH 51'01'15" WEST AND A CHORD DISTANCE OF 90.19 FEET TO THE MOST EASTERLY CORNER OF TAYLOR MEMORIAL CEMETERY; THENCE RUN	50' R/W 548 549 549 549
TO A POINT ON THE NORTH LINE OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 35; THENCE RUN SOUTH 89'24'13" EAST ALONG SAID NORTH LINE, 270.08 FEET TO A POINT ON THE WEST LINE OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 35; THENCE RUN NORTH 00'35'58" EAST ALONG SAID WEST LINE, 256.12 FEET TO A POINT ON THE SOUTH LINE OF THE RESIDENCE OF DON WHITE; THENCE RUN SOUTH 89'24'13" EAST ALONG SAID SOUTH LINE, 418.17 FEET; THENCE RUN SOUTH 00'35'47" WEST, 709.10 FEET; THENCE RUN SOUTH 37'52'33" EAST, 317.47 FEET TO A POINT ON SAID NORTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 19; THENCE RUN SOUTH 52'07'27" WEST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 329.54 FEET TO THE POINT OF BEGINNING. ALSO, LESS AND EXCEPT THE FOLLOWING DESCRIBED PARCEL: THAT PARCEL DESCRIBED AS THE TAYLOR MEMORIAL CEMETERY IN THAT QUITCLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 1147, PAGE 1398, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. PARCEL 2 (EASEMENT ESTATE): TOOFFICIED WITH DIDOT OF DESCRIBED AS THE TAYLOR MEMORIAL CEMETERY IN THAT QUITCLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 1147, PAGE 1398, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. PARCEL 2 (EASEMENT ESTATE):	vgs lots∖21-04	52'06'58" EAST, 484.34 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHERLY; THENCE RUN SOUTHEASTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 90'00'00", A RADIUS OF 10.00 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING OF SOUTH 82'53'02" EAST AND A CHORD DISTANCE OF 14.14 FEET TO THE POINT OF TANGENCY; THENCE RUN SOUTH 37'53'02" EAST, 525.33 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN SOUTHWESTERLY ALONG THE ARC OF SAID CURVE HAVING A CENTRAL ANGLE OF 90'00'00", A RADIUS OF 10.00 FEET, AN ARC LENGTH OF 15.71 FEET, A CHORD BEARING OF SOUTH	352 3553 554 C 554 C
SECTION 35; THENCE RUN NORTH 00 35 38 EAST ALONG SAID WEST LINE, 235.12 FEET TO A POINT ON THE RESIDENCE OF DON WHITE; THENCE RUN SOUTH 89'24'13" EAST ALONG SAID SOUTH LINE, 418.17 FEET; THENCE RUN SOUTH 00'35'47" WEST, 709.10 FEET; THENCE RUN SOUTH 37'52'33" EAST, 317.47 FEET TO A POINT ON SAID NORTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 19; THENCE RUN SOUTH 52'07'27" WEST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 329.54 FEET TO THE POINT OF BEGINNING. ALSO, LESS AND EXCEPT THE FOLLOWING DESCRIBED PARCEL: THAT PARCEL DESCRIBED AS THE TAYLOR MEMORIAL CEMETERY IN THAT QUITCLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 1147, PAGE 1398, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. PARCEL 2 (EASEMENT ESTATE):	wey\Design\D	COMMENCE AT THE EAST 1/4 CORNER OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 25 EAST, LAKE COUNTY, FLORIDA; THENCE RUN NORTH 89'21'35" WEST ALONG THE SOUTH LINE OF THE NORTHEAST 1/4 OF SAID SECTION 35, 1487.79 FEET TO A POINT ON THE NORTHWESTERLY RIGHT-OF-WAY LINE OF STATE ROAD NO. 19 THENCE RUN NORTH 52'07'27" EAST ALONG SAID NORTHWESTERLY RIGHT-OF-WAY LINE, 673.75 FEET TO THE POINT OF BEGINNING; THENCE RUN NORTH 37'53'02" WEST, 1008.88 FEET; THENCE RUN NORTH 00'35'47" EAST, 116.78 FEET	557 558 g
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TOGETHER WITH THOSE APPURTENANT EASEMENTS AS SET FORTH AND GRANTED BY EAGLES LANDING AT OCOEE, INC., A FLORIDA CORPORATION, TO HOWEY IN THE HILLS, A FLORIDA LIMITED PARTNERSHIP, IN THAT DEVELOPMENT AGREEMENT AND GRANT OF EASEMENTS, RECORDED NOVEMBER 10, 2005 IN OFFICIAL RECORDS BOOK 3003, PAGE 1377, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.		THAT PARCEL DESCRIBED AS THE TAYLOR MEMORIAL CEMETERY IN THAT QUITCLAIM DEED RECORDED IN OFFICIAL RECORDS BOOK 1147, PAGE 1398, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. PARCEL 2 (EASEMENT ESTATE):	N
_	J:\21\21-	CORPORATION, TO HOWEY IN THE HILLS, A FLORIDA LIMITED PARTNERSHIP, IN THAT DEVELOPMENT AGREEMENT AND GRANT OF EASEMENTS,	

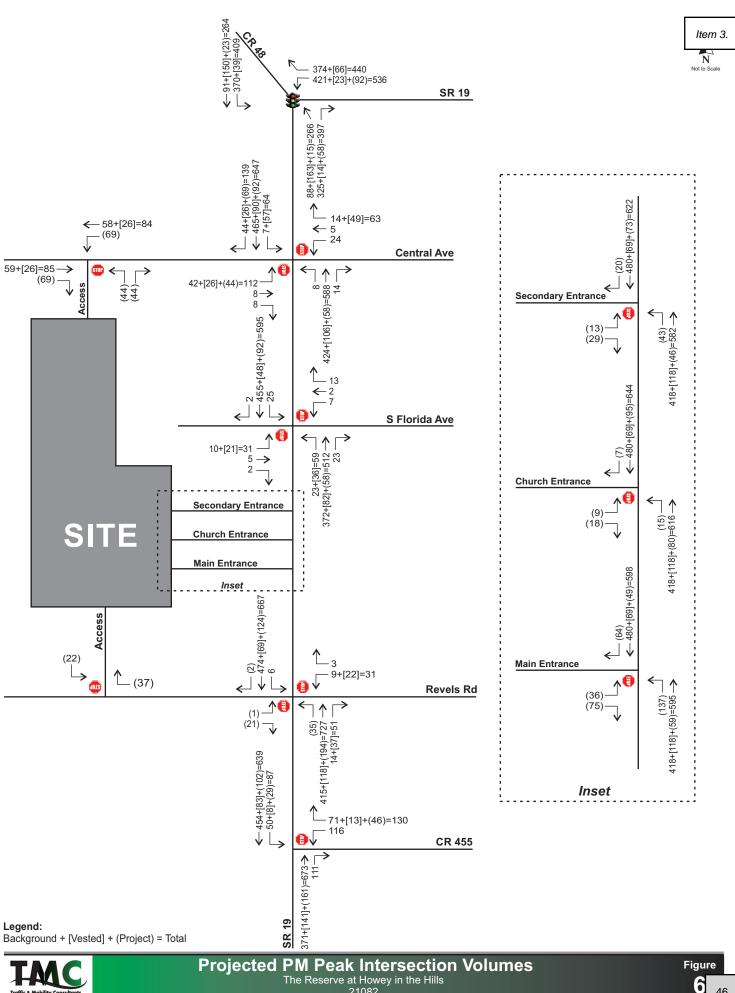




FIAL CONSULTANTS

Projected AM Peak Intersection Volumes The Reserve at Howey in the Hills 21082







TOWN OF HOWEY-IN-THE-HILLS, FLORIDA

GENERAL LAND DEVELOPMENT APPLICATION

101 N. Palm Avenue, Howey-in-the-Hills, Florida 34737 Phone: (352) 324-2290 • Fax: (352) 324-2126

Date Received: Application ID: Received By: **REQUESTED ACTION** Comp Plan Amendment Variance Site Plan (check one below) X PUD Rezoning Preliminary 🗌 Final Conditional Use Subdivision Minor Land Development Code Text Other Subdivision (check one below) Preliminary Subdivision **Final Subdivision Final Plat** Describe Request: PUD Major Amendment to Modify Boulevard Typical Section

APPLICANT INFORMATION:							
Name:	E-Mail:						
Address:	Phone: Fax:						
Owner Agent for Owner	Attorney for Owner						
OWNER INFORMATION:							
Name: <u>HOW</u> EY IN THE HILLS LTD	E-Mail:						
Address: C/O EASTON & ASSOC	Phone: <u>786-4</u> 37-5806						
——— 10165 NW 19TH ST	Fax:						

MIAMI FL 33172

	Item 3.								
PROPERTY INFORMATION:									
Address:									
General Location: SOUTH OF #2 ROAD, NORTH OF SR19									
Current Zoning: <u>PUD</u> Current Land Use: <u>VMU</u>									
Parcel Size: 375.2 AC +/- Tax Parcel #: ATTACHED									
Legal Description Attached X Yes No Survey Attached X Yes No									

Pre-Application Meeting	Date: <u>ATTA</u> CHED (Attach Pre-Applicatio	n Form)
Application Fee: \$_3,000	A. 2.	4/26/22
Applicant's Signature:	(Signature)	$\frac{0 \mathcal{U}\mathcal{D} \mathcal{U}\mathcal{C}}{(Date)}$
_k	Cob Bonin (Print)	(=)
Owner's Signature: (Provide letter of Authorization)	(Signature)	(Date)

(Print)

Applications must be complete to initiate the review process.



HOWEY IN THE HILLS, LTD. 10165 NW 19th Street Miami, Florida 33172 (786)437-5806 EWEaston@TheEastonGroup.com

April 14, 2021

TOWN OF HOWEY-IN-THE-HILLS 101 N. Palm Avenue Howey-in-the-Hills, FL 34737

Re: Letter of Authorization

To Whom it may Concern:

The purpose of this letter is to provide notice that Howey in the Hills LTD as owner of The Reserve at Howey in the Hills, hereby authorizes Lennar Homes, LLC. as the applicant for the attached Modification to PUD Ordinance 2004-322 and to act on our behalf in regard to amending the PUD and any related approvals.

If you have any question or concerns, please do not hesitate to contact me.

Respectfully,

HOWEY IN THE HILLS, LTD., a Florida limited liability company

DocuSigned by: Edward W. Easton By: Print Name: Edward W. Easton

Item 3.

6675 Westwood Blvd, 5th Floor, Orlando, FL 32821





August 26, 2022

Town of Howey-In-The-Hills Planning & Zoning Dept. 101 N. Palm Avenue Howey-In-The-Hills, FL 34737

RE: Reserve at Howey-in-the-Hills PUD Major Amendment PUD Ordinance 2004-322 CWI Job # 21-04-0008

Dear Town of Howey in the Hills,

Please find the following items attached for the Major Amendment to the PUD to modify the Boulevard Section through the residential area of the PUD:

- Completed Application
- Letter of Authorization from the owner to Lennar
- 2 copies PUD Plans and supporting Roadway Section Drawings
- Flashdrive with Digital Copies
- \$3,000.00 Fee

Please let me know if you need anything else to be scheduled on the September 22, 2022 Planning and Zoning agenda and the following Town Council Meeting on October 10, 2022 and October 24, 2022.

Sincerely, Connelly & Wicker Inc.

Richard C. Welch, P.E. Project Manager



TMHConsulting@cfl.rr.com 97 N. Saint Andrews Dr. Ormond Beach, FL 32174 PH: 386.316.8426

MEMORANDUM

TO:	Town of Howey-in-the-Hills Planning Board
CC:	J. Brock, Town Clerk
FROM:	Thomas Harowski, AICP, Planning Consultant
SUBJECT:	The Reserve/Hilltop Groves First Amendment to the Development Agreement
DATE:	September 12, 2022

The developers of the residential portion of The Reserve development have asked for an amendment to the approved development agreement to make some revisions to the preliminary subdivision plan that qualify as major amendments under the terms of the adopted PUD agreement. The applicants have submitted a list of plan adjustments on the updated master site plan map including a number key locating each revision. Some of these adjustments could be considered minor amendments, but since the plan was undergoing a major amendment review, we elected to include all the revisions in the proposed update.

The Town's Development Review Committee reviewed the proposed amendments at their meeting on September 8, 2022 and have prepared the following recommendations for the Planning Board's consideration.

1. The applicants are requesting a revised design for the central collector road, identified as Road A on the preliminary subdivision plan, from four lanes to two lanes through the residential portion of The Reserve development. Most of the portion of Road A through the commercial portion of the project will remain as a four-lane section. In support of the requested change the applicants have submitted an analysis from their traffic engineer documenting that a two-lane road is sufficient to support the projected traffic volumes. The Town engineer has reviewed the request and supports the finding that the two-lane section is adequate for the traffic demand, and that with protected left turn lanes can result in reduced speed and increased safety within the project.

The applicants have noted that the road through the commercial area has been increased the right-of-way from 90 feet to 100 feet as shown on the roadway cross-sections. The wider right-of-way is proposed to give more room to fit all the necessary components in the four-lane road section. The intersection with SR 19 has moved south about 250 feet, and driveway connections for the commercial area are shown.

(Refer to map items 2, 3, 4 and 12.)

- 2. The applicants are proposing minor adjustments to Roads D and F and the adjoining lots to reduce the amount of road area and improve safety while still providing access to the adjacent lots. (Refer to map item 1.)
- The applicants are requesting revisions to Roads B and N along with adjacent lots to improve the connection between Phase 2 and Phase 3. This change improves traffic flow and reduces the number of lots on closed-end streets. (Refer to map item 6.)
- 4. The applicants are revising the collector road cross-sections to include the minimum 10-foot bicycle/pedestrian pathway that extends from SR 19 to Number Two Road. This facility has been a commitment of the project, but roadway cross-section submitted prior to this plan did not fully identify the bicycle/pedestrian path. (Refer to the revised cross-sections for the two-lane and four-lane sections.)
- Residential lots along Road AA and Road Z have been changed to the 50 x 115 lot type rather than the originally proposed 50 x 80 lot type. (Refer to map item 8.)
- 6. The staff has asked for the addition of a street crossing detail where the bicycle/pedestrian path crosses a roadway. This detail is intended to limit the opportunity for cars to inadvertently drive on the path. They have agreed to provide a detail.
- 7. The applicants have been requested to update the totals of residential units by type and phase. (The revised totals for units by phase are shown on the table on the left side of the master site plan.)
- 8. The applicants have been requested to provide a maximum impervious area for each type of residential unit. The lack of a maximum impervious area has been creating some review issues with our other PUD-based neighborhoods. (The maximum imperious areas by unit type are shown on the table on the left side of the master site plan.)

The Development Review Committee supports these eight revisions to the approved development agreement.

The revised plan includes several other small adjustments that are noted here as part of the overall amendment. Please note the following revisions:

• The emergency access via Mare Avenue has been removed. The revised street pattern between Phase 2 and Phase 3 will serve this purpose. (Refer to map item 5.)

- The driveway connection to Talichet Phase 2 has been removed as the connection is no longer possible. (Refer to map item 7.)
- A revised roadway connection in Phase 4 has been added. (Refer to map item 9.)
- Stormwater pond locations have been added to Phase 4. (Refer to map item 10.)
- The phase line for Phase 1 has been adjusted. (Refer to map item 11)

During the review, the DRC also agreed that the intersection designs of the primary collector road at SR 19 and Number Two Road will be considered minor amendment to the development agreement as the permitting agencies (FDOT and Lake County) will ultimately be directing the intersection designs. The preliminary subdivision plan will also provide for a driveway connection from the collector road to the Town's public safety parcel at the intersection with the primary collector road. It is expected that this connection will provide an opportunity to reduce fire and police response times to properties within the project.



TMHConsulting@cfl.rr.com 97 N. Saint Andrews Dr. Ormond Beach, FL 32174 PH: 386.316.8426

MEMORANDUM

TO:	Howey-in-the-Hills Development Review Committee
CC:	J. Brock, Town Clerk
FROM:	Thomas Harowski, AICP, Planning Consultant
SUBJECT:	The Reserve/Hilltop Groves First Major Amendment
DATE:	August 30, 2022
	,

The development team has submitted an application to amend the approved development agreement. This is the first major amendment to the adopted development agreement. The amendment has been triggered by the proposal to reduce the central collector road from four lanes to two lanes for most of the project length, but there are other revisions to the approved development plan that will need to be addressed and included as part of the amendment.

The Town will be adopting a revised preliminary subdivision plan as part of the amendment, but the adopting ordinance should include a list of all amendment items, so it is clear to all parties what is being approved. Once final action is taken by the Town Council, the adopting ordinance needs to be recorded in the public records to provide a document trail of the fully approved project. The planning comments are as follows:

- 1. The applicant should present a list of all revisions from the original approved preliminary subdivision plan so that the Town can be sure all items have been reviewed and included in the amending ordinance.
- 2. The applicant should review the text portions of the adopting ordinance to determine if there are other revisions that are needed or desired.
- 3. As one example, the plan set needs to include a maximum impervious area for each lot type. The lack of an impervious area number has been an issue with other new developments and needs to be added. The maximum impervious area then needs to be used as an input into the stormwater system design or an explanation needs to be provided as to why a different number is used. This number can be added to the plan set if desired rather than included in the text of the agreement. The maximum impervious area might be different for each of the housing types.

- 4. The revised roads D and F and the revised lot adjustments are recognized and acceptable. These changes could be considered a minor amendment, but we will include them in the overall amendment since other items are needed.
- 5. The reduction in the width of the central collector road from 4-lanes to 2-lanes with left turn lanes is acceptable from a speed control and safety perspective, but the applicant's traffic engineer needs to submit an analysis demonstrating that the reduced facility will still accommodate the projected traffic.
- 6. The transition from the 4-lane segment in the commercial area to the 2-lane segment in the residential area should be moved further north to allow more flexibility in locating access points to the commercial parcel.
- 7. The intersection designs at SR 19 and Number 2 Road are not fully detailed in the approved plan set. These intersection designs will be directed by FDOT and Lake County through their respective permit processes. When permitting is completed, these will be considered minor amendments to the development agreement.
- 8. The proposed amendment includes a revised road connection between Phase 2 and Phase 3 with the new alignment following Road B and Road N. The revised road alignment and associated adjustment to the residential lots is recommended for approval.
- 9. The new plan proposes a revision to the road network within the townhouse area adjacent to Number 2 Road. The approved plan shows a connection Number 2 Road at the west end of this road and not a terminal point. This area has 78 units and therefore requires a second access point. The applicant needs to provide for a second access point or reduce the number of units in the area below 50 units.
- 10. The revised plan proposes to eliminate the connection to the Town parcel at the intersection of the collector road and Number 2 Road. The Town still needs to retain the option to include a driveway connection. An access at this point could reduce emergency services response times to the project. To facilitate future driveway options, the collector road right-of-way needs to abut the Town parcel for the full length of the parcel if possible.
- 11. The revised plan proposes to eliminate the connection from Road EE/FF to Revels Road. This deletion is not acceptable. The approved design needs to be retained.
- 12. The applicant needs to revise the unit totals by type of unit and phase to reflect the current plan.
- 13. The proposed lot pattern along Road AA and Road Z appears to be different than the currently approved plan. The Town needs to verify that the unit totals by type remain unchanged or approve any revision to the product mix.

- 14. The revised cross-section for the collector road (Road A) shows 4-foot bicycle lanes on the 2-lane segment and no bicycle lane on the 4-lane segment. The agreement and the cross-section in the approved plan set shows a separate bicycle path. Both cross-sections need to be revised to reflect the bicycle path. Adding the two bicycle lane areas to one of the sidewalks will allow for a 12-footwide bicycle/pedestrian facility on one side of the road and save one foot of paved area. A decision should be made as to which side of Road A the bicycle path is to be located.
- 15. An intersection detail needs to be added where the bicycle path crosses intersection. The bicycle path should have some type of divider to make it clear automotive traffic is not permitted. Some type of pavement markings are appropriate as well.
- 16. With the 2-lane design, the central median has been reduced from 14-feet for the approved design to about 9 feet with the proposed design. This dimension seems a little skimpy for a quality landscape program and might be less than the minimum width needed for a protected left turn bay. The median in the 2-lane and 4-lane segments should be retained at 14 feet.

GRIFFEY ENGINEERING, INC.

September 5, 2022 Hillside Groves – PUD Amendment Engineering Review Comments Page 1

1. Provide a volume and capacity evaluation to show that the 2-lane boulevard will be able to handle the projected future traffic.

2. The master site plan shows the multiuse trail on the east side of the spine road, but the cross-sections don't. Add the trail to the cross-sections, and label the trail on the site plan. Both cross-sections should call out a 5' sidewalk on the west side and a 10' trail on the east side.

3. The cross-section for the 4-lane boulevard needs to show 24' pavement width, not 21'.

4. Move the commercial driveway intersection further north to provide additional left turn lane decal & storage length for northbound vehicles.

5. All legs of all intersections need to provide full pedestrian accommodation including ADA curb ramps & crosswalks. Crosswalks are to be per FDOT Design Standards 2017-18 Index 17346 Sheet 12 of 17. The crosswalks at stop conditions should be standard crosswalks. The crosswalks not at a stop condition should be special emphasis.

HILLSIDE GROVE

LIFT STATION #1

DESIGN REPORT

FOR

Lennar Homes - Orlando 6750 Forum Drive, Suite 310 Orlando, FL 32821 (904) 431-6499

PREPARED BY:



Connelly & Wicker, Inc.

10060 Skinner Lake Drive, Suite 500 Jacksonville, Florida 32246 Florida Registry: 3650 L.A. Number: LC26000311 Phone: (904) 265-3030 Fax: (904) 265-3031 www.cwieng.com

DATE: 10/7/2022

CWI Project No.: 21-04-0008

Connelly & Wicker, Inc.

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Town Hall Lift Station Details (Prepared and provided by Griffey Engineering) Lakeshore Lift Station Details (Prepared and provided by Griffey Engineering) THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUSTIN E. WILLIAMS JUSTIN E. WILLIAMS No. 69260 * Williams STATE OF STATE OF COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED BY JUSTIN E. WILLIAMS Prepared under the direction JUSTIN E. WILLIAMS STATE OF STATE OF		
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GENERAL SITE DESCRIPTION

THE PROJECT

The proposed development is located within Lake County, Florida (Town of Howey in the Hills) within the Town of Howey in the Hills service area. The project is located west of State Road 19 (South Palm Avenue) and Taylor Memorial Cemetery, north of Revels Road, and south of Number 2 Road. The proposed development will be constructed in 4 phases and include up to 728 single family units. Lift Station #1 will serve up to 640 of the proposed residential units.

PUMP STATION

The pump station is located on the western side of the property and more specifically is located south of Road "K", North of Road "C" and west of Road "A". The effluent will pump through a 6" force main to Road A where the forcemain will increase to 10" and extend to Number 2 Road right of way where it will connect to an existing 10" force main, and will ultimately connect to an existing wastewater treatment facility. (Refer CWI 21-04-0008 Water and Sewer Plans for connection details).

EXISTING CONDITIONS MODELING DATA

The connection head condition was determined by modeling the existing wastewater system based on data provided by Griffey Engineering, Inc. to Connelly and Wicker on September 23rd, 2022, Construction Plans obtained from the SJRWMD and Lidar data for existing grades. Information obtained from those documents are the basis for the existing conditions modeling.

A summary of the peak flow requirements from each of the existing system pump stations and the anticipated flows modeled as part of these calculations is included.

DESIGN ANALYSIS

The modeling for this system was accomplished using Bentley OpenFlows WaterCad CONNECT Edition Update 3.

DESIGN OF SANITARY LIFT STATION

Connelly & Wicker, Inc.

Project Name:	HILLSIDE GROVE
Project No:	21-04-0008
Date:	October 7, 2022

COMPUTATION OF AVERAGE DAILY FLOW

Type of Development	Units	Average Flow (GPD)	/	Unit	G.P.D.	G.P.M.
Phase 1			/	Unit	0	0.00
Single Family Residential	245	300	1	Unit	73500	51.04
			1	Unit	0	0.00
Phase 2			/	Unit	0	0.00
Single Family Townhomes	146	300	/	Unit	43800	30.42
Phase 3 (Portion)			/	Unit	0	0.00
Single Family Residential	47	300	1	Unit	14100	9.79
Phase 4			1	Unit	0	0.00
Single Family Residential	202	300	/	Unit	60600	42.08
			1	Unit	0	0.00

Average Daily Flow = <u>192000</u> G.P.D. = <u>133.33</u> G.P.M.

Runout Peaking Factor = (Per CSM Section 17 Part 1.03.C)						3.00	
Total Peak Flow	=	(A.D.F.)*(P.F.)	= -	400	G.P.M.		
U	se Tot	al Peak Flow =	Q =	400	G.P.M.		

FORCE MAIN SIZE

Maximum Flow in Pipe	=	Q(G.P.M.)	$*\left(\frac{1 \text{ Cu.Ft.}}{7.48 \text{ Gal.}}\right)*\left(\frac{1 \text{ Min.}}{60 \text{ Sec.}}\right) = \underline{0.891} \text{ Cfs}$	s.
----------------------	---	-----------	--	----

Pi	ipe Diamet	er	Cross-Section	nal Area	Flow (Cfs.)	Flow	/elocity
1. Use	4.27	Inch Pipe	0.099	Sq. Ft.	0.891	8.96	Ft/Sec.
2. Use	6.13	Inch Pipe	0.205	Sq. Ft.	0.891	4.35	Ft/Sec.
3. Use	8.04	Inch Pipe	0.353	Sq. Ft.	0.891	2.53	Ft/Sec.
4. Use	9.87	Inch Pipe	0.531	Sq. Ft.	0.891	1.68	Ft/Sec.
5. Use	11.73	Inch Pipe	0.750	Sq. Ft.	0.891	1.19	Ft/Sec.

Use Force Main of Diameter = 6.13 Inches

Item 3.

DESIGN OF WET WELL

Use a cycle time (T) =	10 Minu	utes					
Storage Required (Vr) =	(T*Q) / 4 = 10	Min. * (<u>400</u>	G.P.M. 4)	$\left(\frac{1 \text{ Cu.Ft.}}{7.48 \text{ Gal.}}\right)$	= 133.69	Cu.Ft.	
Storage Height Require			- 00		0.00		10.00
Diameter of We Storage Hei	· · · ·	4.00	5.00 6.81	6.00 4.73	8.00 2.66	10.00 1.70	12.00 1.18
Provide Wet Well Diame	eter =	8.00 F	't.	Storage Heigh	t Required (Vr) =	2.66	Ft.
Provide Storage Height	=	2.70 F	't.	Actual Cycle T	ïme =	10	Min.
Volume Provide (Vp)	=	135.72 C	Cu.Ft.				
	Since Vr < Vp ,	Then, Adequa	ate Storag	e is Provided			
		WET WEL	L INFORM	IATION			
Wet Well Diameter Wall Thickness (t) Over Hang (L)	= 8.00 Ft. = 0.75 Ft. = 1.00 Ft.		o Construc tation Cor	ction Plans For / figuration			
Top El. Grade El.	88.40 87.90			1		Ţ	1
Effluent El. (Force Main)	85.40	_				₩ ₩∎=	3
Control El.	69.60	~ 「	-				
Alarm El.	69.10	_					
Lag Pump On El.	68.60	-	1				
Lead Pump On El.	68.10	-					
All Pumps Off El.	65.40			ļ			
Bottom El.	63.40]	
Bottom Pad Thickness	1.00			11.50	Ft.	۵	

LIFT STATION FOR: HILLSIDE GROVE PROJECT NO.: 21-04-0008

PROJECT NO.: 21-0 Connelly & Wicker, Inc.

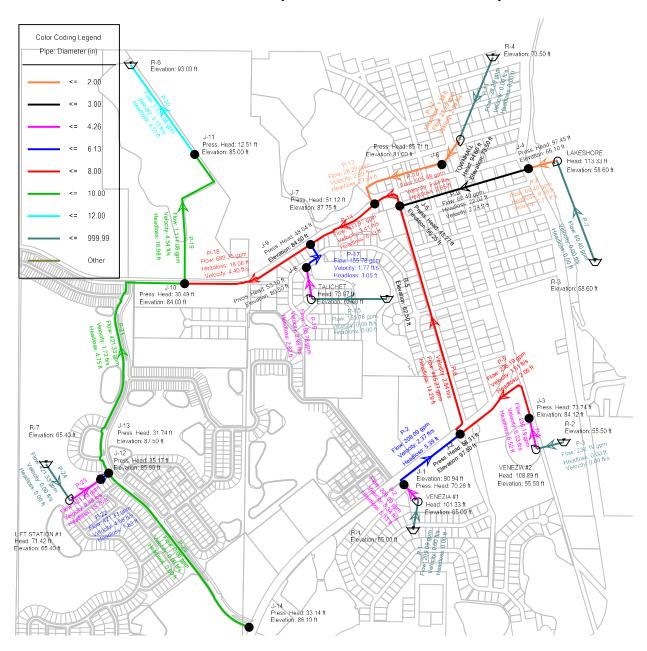
	VERIFY THE STABILITY OF THE WET WELL						
Assume:							
	Submerged Unit Weight of Soil	=	60	Lbs. Per Cu.Ft.			
	Unit Weight of Fiberglass	=	110	Lbs. Per Cu.Ft.			
	Unit Weight of Concrete	=	150	Lbs. Per Cu.Ft.			
	-	Angle of Repose ϕ =	5	Degrees			
Wet Well:				-			
	Outer Diameter of Wet Well (D _{WW})	=	9.50	Ft.			
	Diameter of Base	=	11.50	Ft.			
	Thickness of Top Cover	=	0.83	Ft.			
	Thickness of Walls (t)	=	0.75	Ft.			
	Thickness of Bottom Pad	=	1.00	Ft.			
	Depth of Wetwell below Grade (H)	=	24.50	Ft.			
	Width of Collar	=	1.00	Ft.			
	Depth of Collar (if any)	=	0.00	Ft.			
	Hatch Size	=	36'	' X 60"			
Assume S	Saturated Conditions						
	Ground Water Elevation	=	87.90				

SELF WEIGHT OF WET WELL

Self Weight of Slabs (Lbs.) = (Volume) * (Unit Weight)

Weight of Soi	I Acting on	Wet Well* (Lbs.)	= (V _s)*((Unit Weight)	Based on Ar	ngle of Repo	se (ø)
$V_{s} = \left(\pi^{*}\right)$	$(H) * \left((L)^2 \right)$	$2^{2} + 2\left(\frac{D_{WW}}{2}\right)(L)$	$+\left(\frac{D_{WV}}{2}\right)$	⊻_)(H)(Tan(ǫ)) + (L)(H)(Tan(ø))+	-(<u>(((H)(</u> Tan 3	$((\phi)))^2$
Top Cover	:	<u>′olume (CF)</u> 46.38	*	Unit Weight (lb/CF) 150	= =	Force 6957.33	Lbs. Lbs.
Bottom Pad	:	103.87	*	150	=	15580.34	Lbs.
Collar		0.00	*	150	=	0.00	Lbs.
Walls	:	498.31	*	150	=	74745.85	Lbs.
Soil	:	1874.69	*	60	=	112481.56	Lbs.
				Total Dow	nward Force:	209765.08	Lbs.
				UPLIFT FORC	E		
Uplift Force	= (Volu	ime Displaced)	* (Unit	Weight of Water)			
Uplift Force	=	1840.48	*	62.4	=	114846.10	Lbs.
				FACTOR OF SAF	ETY		
Factor of Sa	afety = —	Downward F Uplift Forc		- =	209765.08 114846.10	=	1.83

Pump Information - Flygt				
Pump Type			2 Submersible Pumps	
Pump Model			NP 3153 HT 3~ 456	
Motor			N3153.660 21-15-4AA-W 15hp	
H.P. / Voltage / Phases / Amps			15 HP / 230V / 3 Phase / 32 A	
RPM			1755	R.P.M.
Impeller Diameter			229	mm
Discharge Pipe Size			4	Inches
Force Main Size			4	Inches
Design Point	400.00	GPM @	72.00	TDH
Operating Point - Manifold Condition	421.33	GPM @	71.42	TDH
Operating Point - Runout Condition	515.45	GPM @	65.78	TDH



Scenario: Base (MANIFOLD CONDITIONS)

21-04-0008 Manifold.wtg 10/7/2022

Bentley Systems, Inc. Haestad Methods Solution Center 76 Watertown Road, Suite 2D Thomaston, CT 06787 USA +1-203-755-1666

			•	
Label	Demand (gpm)	Elevation (ft)	Pressure (psi)	Pressure Head (ft)
J-1	0.00	90.94	30.4	70.26
J-2	0.00	97.50	25.2	58.31
J-3	0.00	84.12	31.9	73.74
J-4	0.00	66.10	42.2	97.45
J-5	0.00	96.25	19.6	45.27
J-6	0.00	81.00	37.1	85.71
J-7	0.00	87.75	22.1	51.12
J-8	0.00	80.50	23.0	53.10
J-9	0.00	84.50	20.8	48.04
J-10	0.00	84.00	13.2	30.49
J-11	0.00	85.00	5.4	12.51
J-12	0.00	85.90	15.2	35.17
J-13	0.00	87.50	13.7	31.74
J-14	0.00	86.10	14.3	33.14

FlexTable: Junction Table (MANIFOLD CONDITIONS)

21-04-0008 Manifold.wtg 10/7/2022 Bentley Systems, Inc. Haestad Methods Solution Center 76 Watertown Road, Suite 2D Thomaston, CT 06787 USA +1-203-755-1666

FlexTable: Pipe Table (MANIFOLD CONDITIONS)

		-				•			-		
Label	Diamete r (in)	Length (User Defined) (ft)	Length (ft)	Materi al	Hazen- William s C	Minor Loss Coefficie nt	Flow (gpm)	Veloc ity (ft/s)	Headloss (Friction) (ft)	Headloss (Minor) (ft)	Headloss (ft)
		(10)				(Unified)					
P-1	999.00	1	1	PVC	120.0	0.000	209.09	0.00	0.00	0.00	0.00
P-2	4.00	28	28	PVC	120.0	9.430	209.09	5.34	0.95	4.18	5.13
P-2	6.00	0	927	PVC	110.0	2.580	209.09	2.37	5.16	0.23	5.39
P-3	999.00	1	1	PVC	120.0	0.000	236.19	0.00	0.00	0.00	0.00
P-4	4.00	28	28	PVC	120.0	9.430	236.19	6.03	1.19	5.33	6.52
P-5	8.00	0	1,310	PVC	120.0	3.770	236.19	1.51	1.92	0.13	2.05
P-6	8.00	0	2,771	PVC	120.0	9.340	445.27	2.84	13.12	1.17	14.29
P-7	999.00	1	1	PVC	120.0	0.000	60.40	0.00	0.00	0.00	0.00
P-8	2.00	28	28	PVC	120.0	9.430	60.40	6.17	2.80	5.58	8.38
P-9	3.00	0	1,548	PVC	120.0	4.170	60.40	2.74	21.54	0.49	22.02
P-10	8.00	0	411	PVC	120.0	1.190	505.68	3.23	2.46	0.19	2.65
P-11	999.00	1	1	PVC	120.0	0.000	-28.29	0.00	0.00	0.00	0.00
P-12	2.00	18	18	PVC	120.0	7.270	28.29	2.89	0.44	0.94	1.38
P-13	2.00	0	1,132	HDPE	120.0	0.000	28.29	2.89	27.84	0.00	27.84
P-14	8.00	0	884	PVC	120.0	2.580	533.97	3.41	5.86	0.47	6.33
P-15	999.00	1	1	PVC	120.0	0.000	155.78	0.00	0.00	0.00	0.00
P-16	4.00	28	28	PVC	120.0	9.430	155.78	3.98	0.55	2.32	2.87
P-17	6.00	0	362	PVC	120.0	1.190	155.78	1.77	0.99	0.06	1.05
P-18	8.00	0	1,578	PVC	120.0	4.170	689.75	4.40	16.80	1.26	18.06
P-19	10.00	0	1,779	PVC	120.0	4.770	1,111.08	4.54	15.45	1.53	16.98
P-20	12.00	0	1,262	PVC	120.0	0.000	1,111.08	3.15	4.51	0.00	4.51
P-21	10.00	0	3,027	PVC	120.0	8.490	421.33	1.72	4.36	0.39	4.75
P-22	6.13	0	117	PVC	120.0	0.000	421.33	4.58	1.83	0.00	1.83
P-23	4.26	28	28	PVC	120.0	9.430	421.33	9.48	2.56	13.18	15.75
P-24	999.00	1	1	PVC	120.0	0.000	421.33	0.00	0.00	0.00	0.00
P-25	10.00	0	2,429	PVC	120.0	3.900	0.00	0.00	0.00	0.00	0.00

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Item	3
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		-	`			/
Label	Pump Definition	Elevation (ft)	Hydraulic Grade (Suction) (ft)	Hydraulic Grade (Discharge) (ft)	Flow (Total) (gpm)	Pump Head (ft)
LAKESHORE	LAKESHORE	58.60	58.60	171.93	60.40	113.33
LIFT STATION #1	Flygt Pump	65.40	65.40	136.82	421.33	71.42
TALICHET	TALICHET	62.50	62.50	136.47	155.78	73.97
TOWNHALL	TOWNHALL	73.50	73.50	168.10	28.29	94.60
VENEZIA #1	VENEZIA #1	65.00	65.00	166.33	209.09	101.33
VENEZIA #2	VENEZIA #2	55.50	55.50	164.39	236.19	108.89

FlexTable: Pump Table (MANIFOLD CONDITIONS)

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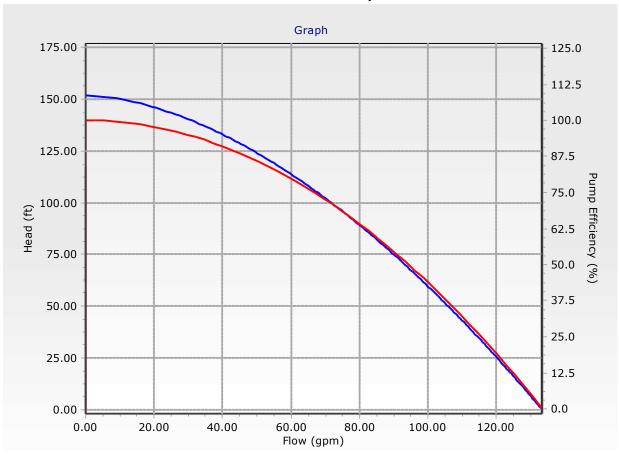
Item 3.

Element Details ID 173 Notes LAKESHORE Label **Pump Curve** Flow Head (gpm) (ft) 0.00 157.00 3.00 155.00 9.00 150.00 17.00 145.00 24.00 140.00 32.00 135.00 39.00 130.00 47.00 125.00 53.00 120.00 61.00 115.00 65.00 110.00 69.00 105.00 73.00 100.00 77.00 95.00 81.00 90.00 84.00 85.00 87.50 80.00 90.00 75.00 93.00 70.00 97.00 65.00 99.00 60.00 102.50 55.00 105.00 50.00 108.00 45.00 Pump Efficiency Type Best Motor Efficiency 100.0 % Pump Efficiency Type Efficiency Point **BEP Efficiency** 100.0 % Is Variable Speed Drive? False **BEP Flow** 0.00 gpm Transient (Physical) Inertia (Pump and Motor) 0.000 lb.ft² SI=25, Specific Speed US=1280 Speed (Full) 0 rpm Reverse Spin Allowed? True

Pump Definition Detailed Report: LAKESHORE (MANIFOLD CONDITIONS)

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Pump Definition Detailed Report: LAKESHORE (MANIFOLD CONDITIONS)

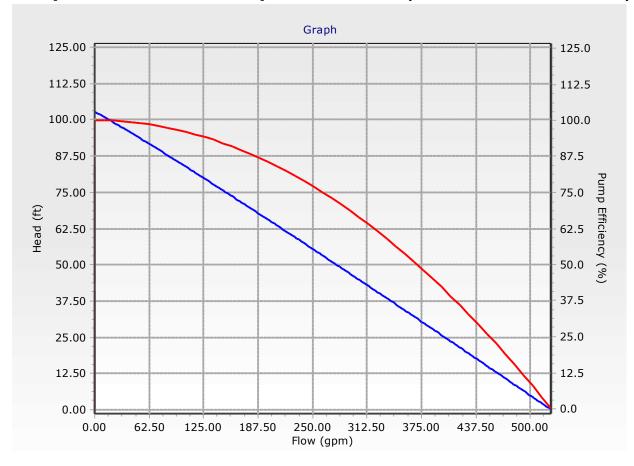
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Element Details			
ID	183	Notes	
Label	TALICHET		
Pump C	Curve		
Flow	Head		
(gpm)	(ft)		
0.04	104.92		
18.66	100.40		
37.27	96.18		
55.88	92.18		
74.50	88.34		
93.11	84.65		
111.73	81.08		
130.34	77.63		
148.95	74.27		
167.57	70.98		
186.18	67.73		
204.79	64.49		
223.41	61.22		
242.02	57.88		
260.63	54.44		
279.25	50.89		
297.86	47.22		
316.47	43.43		
335.09	39.54		
353.00	35.56		
372.31 390.93	31.51 27.40		
409.54	27.40 23.22		
409.54	18.97		
446.77	14.65		
480.45	6.91		
100.15	0.91	l	
Pump Efficiency Type			
	Best	Motor Efficiency	100.0 %

Pump Definition Detailed Report: TALICHET (MANIFOLD CONDITIONS)

	Best	Motor Efficiency	100.0 %
Pump Efficiency Type	Efficiency Point		
BEP Efficiency	100.0 %	Is Variable Speed Drive?	False
BEP Flow	0.00 gpm		
Transient (Physical)			
Inertia (Pump and Motor)	0.000 lb·ft ²	Specific Speed	SI=25, US=1280
Speed (Full)	0 rpm	Reverse Spin Allowed?	True

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Pump Definition Detailed Report: TALICHET (MANIFOLD CONDITIONS)

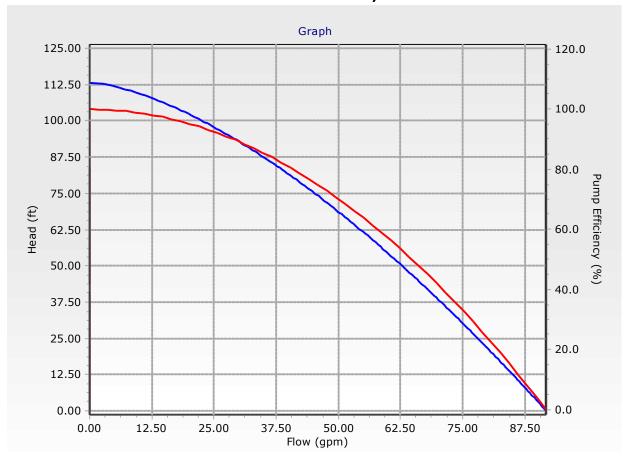
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Pump Definition Detailed Report: TOWNHALL (MANIFOLD CONDITIONS)

ID Label	178 TOWNHALL	Notes	
Pump Cu			
-			
Flow (gpm)	Head (ft)		
0.00	114.20		
5.60	111.00		
11.40	108.00		
15.90	105.00		
20.00	102.00		
23.80	99.00		
27.10	96.00		
30.10	93.00		
33.00	90.00		
35.60	87.00		
38.10	84.00		
40.50	81.00		
42.90	78.00		
45.00	75.00		
47.70	72.00		
49.50	69.00		
51.80	66.00		
Pump Efficiency Type			
	Best	Motor Efficiency	100.0 %
Pump Efficiency Type	Efficiency Point		
BEP Efficiency	100.0 %	Is Variable Speed Drive?	False
BEP Flow	0.00 gpm	13 Valiable Speed Drive?	raise
	0.00 9011		
Transient (Physical)			
Inertia (Pump and Motor)	0.000 lb [.] ft ²	Specific Speed	SI=25, US=1280
Speed (Full)	0 rpm	Reverse Spin Allowed?	True

Element Details

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Pump Definition Detailed Report: TOWNHALL (MANIFOLD CONDITIONS)

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Pump Definition Detailed Report: VENEZIA #1 (MANIFOLD CONDITIONS)

Element Details			
ID	59	Notes	
Label	VENEZIA #1		
Pump Definition Type			
Pump Definition Type	Design Point (1 Point)	Design Head	87.00 ft
Shutoff Flow	0.00 gpm	Maximum Operating Flow	0.00 gpm
Shutoff Head	0.00 ft	Maximum Operating Head	0.00 ft
Design Flow	294.00 gpm		
Pump Efficiency Type			
Pump Efficiency Type	Best Efficiency Point	Motor Efficiency	100.0 %
BEP Efficiency	100.0 %	Is Variable Speed Drive?	False
BEP Flow	0.00 gpm		
Transient (Physical)			
Inertia (Pump and Motor)	0.000 lb·ft ²	Specific Speed	SI=25, US=1280
Speed (Full)	0 rpm	Reverse Spin Allowed?	True

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Pump Definition Detailed Report: VENEZIA #1 (MANIFOLD CONDITIONS)

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Pump Definition Detailed Report: VENEZIA #2 (MANIFOLD CONDITIONS)

Element Details			
ID	163	Notes	
Label	VENEZIA #2		
Pump Definition Type			
Pump Definition Type	Design Point (1 Point)	Design Head	94.00 ft
Shutoff Flow	0.00 gpm	Maximum Operating Flow	0.00 gpm
Shutoff Head	0.00 ft	Maximum Operating Head	0.00 ft
Design Flow	326.00 gpm		
Pump Efficiency Type			
Pump Efficiency Type	Best Efficiency Point	Motor Efficiency	100.0 %
BEP Efficiency	100.0 %	Is Variable Speed Drive?	False
BEP Flow	0.00 gpm	-	
Transient (Physical)			
Inertia (Pump and Motor)	0.000 lb·ft ²	Specific Speed	SI=25, US=1280
Speed (Full)	0 rpm	Reverse Spin Allowed?	True

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Pump Definition Detailed Report: VENEZIA #2 (MANIFOLD CONDITIONS)

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Element Details ID 86 Notes Label Flygt Pump **Pump Curve** Flow Head (gpm) (ft) 0.10 98.68 48.71 95.04 97.33 91.49 145.95 88.07 194.57 84.78 243.19 81.63 291.80 78.62 340.42 75.72 389.04 72.91 437.66 70.16 486.28 67.45 534.90 64.75 583.51 62.05 632.13 59.34 680.75 56.59 729.37 53.81 777.99 50.99 826.61 48.12 875.22 45.19 923.84 42.17 972.46 39.08 1,021.08 35.89 1,069.70 32.64 1,132.07 28.43 Pump Efficiency Type Best Motor Efficiency 100.0 % Pump Efficiency Type Efficiency Point **BEP Efficiency** 100.0 % Is Variable Speed Drive? False **BEP Flow** 0.00 gpm Transient (Physical) Inertia (Pump and Motor) 0.000 lb.ft² SI=25,

Pump Definition Detailed Report: Flygt Pump (MANIFOLD CONDITIONS)

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Speed (Full)

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0 rpm

Specific Speed

Reverse Spin Allowed?

WaterCAD [10.03.05.05] Page 1 of 2

US=1280

True



Pump Definition Detailed Report: Flygt Pump (MANIFOLD CONDITIONS)

21-04-0008 Manifold.wtg 10/7/2022 Bentley Systems, Inc. Haestad Methods Solution Center 76 Watertown Road, Suite 2D Thomaston, CT 06787 USA +1-203-755-1666

Item 3.

FlexTable: Reservoir Table (MANIFOLD CONDITIONS)

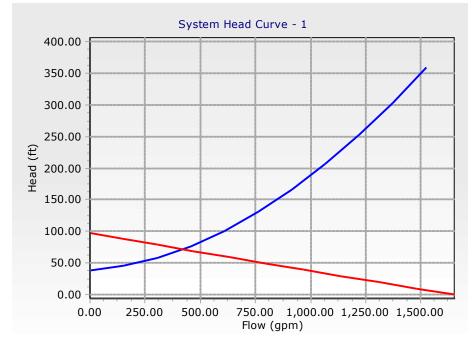
Label	Elevation (ft)	Flow (Out net) (gpm)
R-1	65.00	209.09
R-2	55.50	236.19
R-3	58.60	60.40
R-4	73.50	28.29
R-5	62.50	155.78
R-6	93.00	-1,111.08
R-7	65.40	421.33

21-04-0008 Manifold.wtg 10/7/2022 Bentley Systems, Inc. Haestad Methods Solution Center 76 Watertown Road, Suite 2D Thomaston, CT 06787 USA +1-203-755-1666

System Head Curve Detailed Report - System Head Curve - 1 (MANIFOLD CONDITIONS)

Element Details					
Label		tem Head Curve - 1	Number of Inte	ervals	10
Pump		LIFT ATION #1	Specify vertical	axis limits	False
Maximum Flow		1,523.97 gpm			
	Time (hours)				
		0.000			
System Head Curve @ 0.000 hours Flow (gpm)	System Head Curve @ 0.000 hours Head (ft)	Flygt Pump Flow (gpm)	Flygt Pump Head (ft)		
0.00 152.40	38.24 44.89	1,654.66 1,481.54	0.00 9.80		
304.79 457.19 609.59	57.70 76.31	1,309.36 1,138.23	19.60 29.41 39.21		
761.99 914.38	100.58 130.38 165.63	968.29 799.75 632.85	49.01 58.81		
1,066.78 1,219.18	206.24 252.13	468.00 305.88	68.62 78.42		
1,219.10 1,371.57 1,523.97	303.23 359.46	147.84 0.00	88.22 98.02		

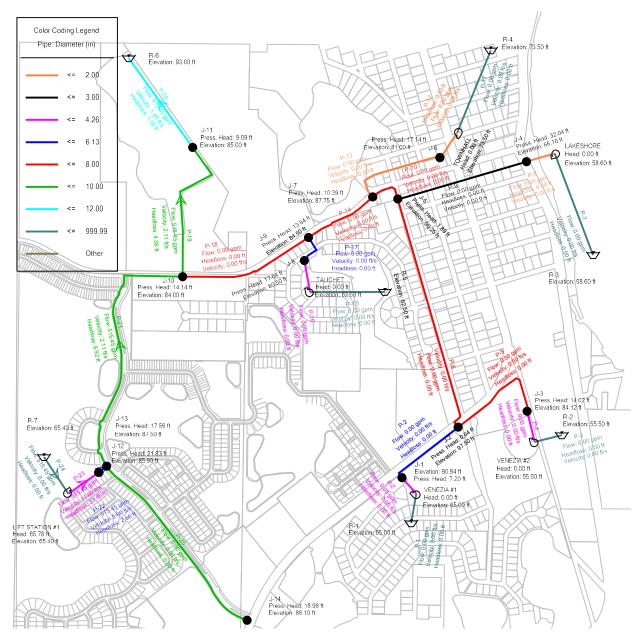
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System Head Curve Detailed Report - System Head Curve - 1 (MANIFOLD CONDITIONS)

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Item 3.



Scenario: Base (RUNOUT CONDITIONS)

21-04-0008 Manifold.wtg 10/7/2022

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	P			
Label	Demand	Elevation	Pressure	Pressure Head
	(gpm)	(ft)	(psi)	(ft)
J-1	0.00	90.94	3.1	7.20
J-2	0.00	97.50	0.3	0.64
J-3	0.00	84.12	6.1	14.02
J-4	0.00	66.10	13.9	32.04
J-5	0.00	96.25	0.8	1.89
J-6	0.00	81.00	7.4	17.14
J-7	0.00	87.75	4.5	10.39
J-8	0.00	80.50	7.6	17.64
J-9	0.00	84.50	5.9	13.64
J-10	0.00	84.00	6.1	14.14
J-11	0.00	85.00	3.9	9.09
J-12	0.00	85.90	9.4	21.83
J-13	0.00	87.50	7.6	17.56
J-14	0.00	86.10	8.2	18.96

FlexTable: Junction Table (RUNOUT CONDITIONS)

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FlexTable: Pipe Table (RUNOUT CONDITIONS)

				•							
Label	Diamete	Length	Length	Materi	Hazen-	Minor	Flow	Veloc	Headloss	Headloss	Headloss
	r (in)	(User	(ft)	al	William	Loss	(gpm)	ity	(Friction)	(Minor)	(ft)
	(in)	Defined) (ft)			s C	Coefficie nt		(ft/s)	(ft)	(ft)	
		(10)				(Unified)					
P-1	999.00	1	1	PVC	120.0	0.000	0.00	0.00	0.00	0.00	0.00
P-2	4.00	28	28	PVC	120.0	9.430	0.00	0.00	0.00	0.00	0.00
P-2	6.00	20	927	PVC	120.0	2.580	0.00	0.00	0.00	0.00	0.00
P-3	999.00	1	1	PVC	120.0	0.000	0.00	0.00	0.00	0.00	0.00
P-4	4.00	28	28	PVC	120.0	9.430	0.00	0.00	0.00	0.00	0.00
P-5	8.00	20	1,310	PVC	120.0	3.770	0.00	0.00	0.00	0.00	0.00
P-6	8.00	0	2,771	PVC	120.0	9.340	0.00	0.00	0.00	0.00	0.00
P-7	999.00	1	2,771	PVC	120.0	0.000	0.00	0.00	0.00	0.00	0.00
P-8	2.00	28	28	PVC	120.0	9.430	0.00	0.00	0.00	0.00	0.00
Р-9	3.00	0	1,548	PVC	120.0	4.170	0.00	0.00	0.00	0.00	0.00
P-10	8.00	0	411	PVC	120.0	1.190	0.00	0.00	0.00	0.00	0.00
P-11	999.00	1	1	PVC	120.0	0.000	0.00	0.00	0.00	0.00	0.00
P-12	2.00	18	18	PVC	120.0	7.270	0.00	0.00	0.00	0.00	0.00
P-13	2.00	0	1,132	HDPE	120.0	0.000	0.00	0.00	0.00	0.00	0.00
P-14	8.00	0	884	PVC	120.0	2.580	0.00	0.00	0.00	0.00	0.00
P-15	999.00	1	1	PVC	120.0	0.000	0.00	0.00	0.00	0.00	0.00
P-16	4.00	28	28	PVC	120.0	9.430	0.00	0.00	0.00	0.00	0.00
P-17	6.00	0	362	PVC	120.0	1.190	0.00	0.00	0.00	0.00	0.00
P-18	8.00	0	1,578	PVC	120.0	4.170	0.00	0.00	0.00	0.00	0.00
P-19	10.00	0	1,779	PVC	120.0	4.770	515.45	2.11	3.73	0.33	4.05
P-20	12.00	0	1,262	PVC	120.0	0.000	515.45	1.46	1.09	0.00	1.09
P-21	10.00	0	3,027	PVC	120.0	8.490	515.45	2.11	6.34	0.58	6.92
P-22	6.13	0	117	PVC	120.0	0.000	515.45	5.60	2.66	0.00	2.66
P-23	4.26	28	28	PVC	120.0	9.430	515.45	11.6	3.72	19.73	23.45
			_					0			
P-24	999.00	1	1	PVC	120.0	0.000	515.45	0.00	0.00	0.00	0.00
P-25	10.00	0	2,429	PVC	120.0	3.900	0.00	0.00	0.00	0.00	0.00

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Label	Flygt Pump		
Pump Curv	/e		
Flow	Head		
(gpm)	(ft)		
0.10	98.68		
48.71	95.04		
97.33	91.49		
145.95	88.07		
194.57	84.78		
243.19	81.63		
291.80	78.62		
340.42	75.72		
389.04	72.91		
437.66	70.16		
486.28	67.45		
534.90	64.75		
583.51	62.05		
632.13	59.34		
680.75	56.59		
729.37	53.81		
777.99	50.99		
826.61	48.12		
875.22	45.19		
923.84	42.17		
972.46	39.08		
1,021.08	35.89		
1,069.70	32.64		
1,132.07	28.43		
Pump Efficiency Type			
	Best	Motor Efficiency	100.0 %
Pump Efficiency Type	Efficiency	,	200.0
	Point		
BEP Efficiency	100.0 %	Is Variable Speed Drive?	False
BEP Flow	0.00 gpm		
Transient (Physical)			
Inertia (Pump and Motor)	0.000 lb·ft ²	Specific Speed	SI=25, US=1280
Speed (Full)	0 rpm	Reverse Spin Allowed?	True

Pump Definition Detailed Report: Flygt Pump (RUNOUT CONDITIONS)

Notes

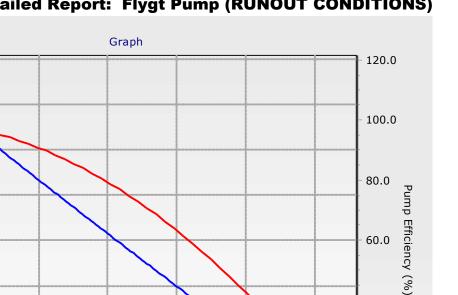
86

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Element Details

ID

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Pump Definition Detailed Report: Flygt Pump (RUNOUT CONDITIONS)

62.50 Head (ft) 50.00 37.50 40.0 25.00 20.0 12.50 0.0 0.00 0.00 500.00 750.00 1,000.00 250.00 1,250.00 1,500.00 Flow (gpm)

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100.00

87.50

75.00

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		-	-		-	
Label	Pump Definition	Elevation (ft)	Hydraulic Grade (Suction) (ft)	Hydraulic Grade (Discharge) (ft)	Flow (Total) (gpm)	Pump Head (ft)
LAKESHORE	LAKESHORE	58.60	58.60	98.14	0.00	0.00
LIFT STATION #1	Flygt Pump	65.40	65.40	131.18	515.45	65.78
TALICHET	TALICHET	62.50	62.50	98.14	0.00	0.00
TOWNHALL	TOWNHALL	73.50	73.50	98.14	0.00	0.00
VENEZIA #1	VENEZIA #1	65.00	65.00	98.14	0.00	0.00
VENEZIA #2	VENEZIA #2	55.50	55.50	98.14	0.00	0.00

FlexTable: Pump Table (RUNOUT CONDITIONS)

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Item 3.

FlexTable: Reservoir Table (RUNOUT CONDITIONS)

Label	Elevation (ft)	Flow (Out net) (gpm)
R-1	65.00	0.00
R-2	55.50	0.00
R-3	58.60	0.00
R-4	73.50	0.00
R-5	62.50	0.00
R-6	93.00	-515.45
R-7	65.40	515.45

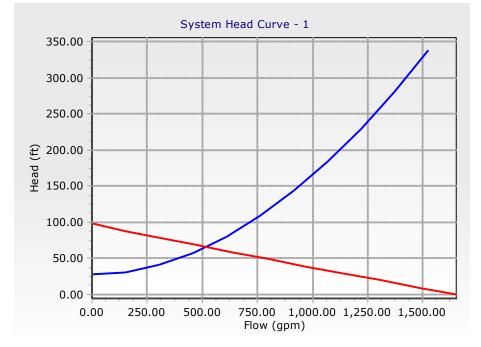
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Item 3.

System Head Curve Detailed Report - System Head Curve - 1 (RUNOUT CONDITIONS)

Element Details					
Label		em Head Curve - 1	Number of Inte	ervals	10
Pump Maximum Flow		LIFT TION #1 1,523.97 gpm	Specify vertical	axis limits	False
Maximum riow	Time	1,525.57 gpm			
	(hours)				
		0.000			
				1	
System Head Curve @ 0.000	System Head Curve @ 0.000	Flygt Pump Flow	Flygt Pump Head		
hours	hours	(gpm)	(ft)		
Flow	Head				
(gpm)	(ft)				
0.00	27.60	1,654.66	0.00		
152.40	31.24	1,481.54	9.80		
304.79	41.45	1,309.36	19.60		
457.19	57.89	1,138.23	29.41		
609.59	80.40	968.29	39.21		
761.99	108.88	799.75	49.01		
914.38	143.26	632.85	58.81		
1,066.78	183.47	468.00	68.62		
1,219.18	229.46	305.88	78.42		
1,371.57	281.18	147.84	88.22		
1,523.97	338.61	0.00	98.02		

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System Head Curve Detailed Report - System Head Curve - 1 (RUNOUT CONDITIONS)

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SUMMARY OF REQUIRED VS MODELED FLOWS

Connelly & Wicker, Inc.

Project Name:HILLSIDE GROVEProject No:21-04-0008Date:October 6, 2022

COMPUTATION OF EXISTING SYSTEM FLOWS

Talichet Pump Station	Quantity	ADF	Unit	ADF (GPD)	ADF (GPM)	Peaking Factor	Peak Flow (GPM)	
Single Family Residential	93	300	/ Unit	27900	19.4	3.72	72.1	
* Data taken from Construction Plans for Venezia North Subdivision obtained from the SJRWMD								

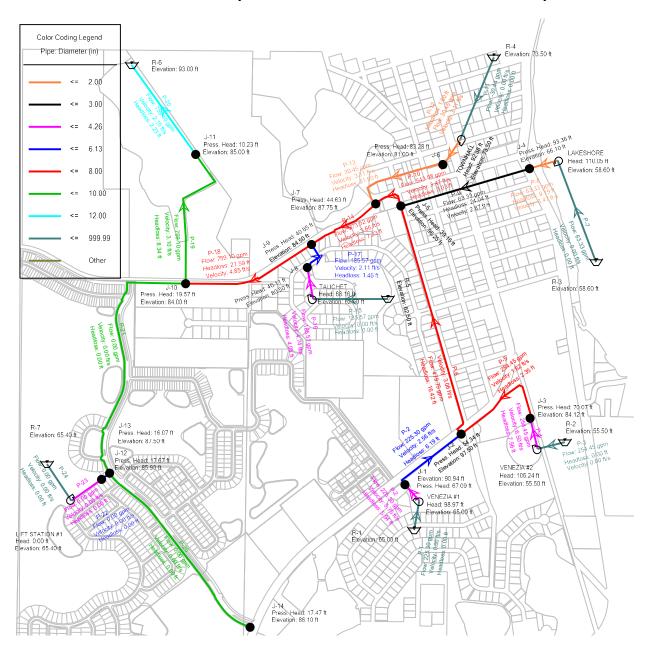
SUMMARY OF EXISTING PUMP STATION REQUIRED VS MODELED FLOWS

Pump Station Name	Required Peak Flow (GPM)	Peak Flow at Manifold Condition per Watercad Modeling (GPM)						
Venezia Pump Station #1	133	209						
* Data taken from Howey-In-The-Hills Wastewater Master Plan dated October 2018								
Venezia Pump Station #2	204	236						
* Data taken from Howey-In-The-Hills Wastewater Master Plan dated October 2018								
Talichet Pump Station	72	156						
* Data calculated above								
Lakeshore Pump Station	59	60						
* Data taken Pump Station Engineering Plan provided by Griffey Engineering, Inc.								
Townhall Pump Station	26	28						
* Data taken Pump Station Engineering Plan provided by Griffey Engineering, Inc.								

HILLSIDE GROVE PUMP STATION REQUIRED VS PROVIDED FLOWS

Pump Station Name	Required Peak Flow (GPM)	Flow at Manifold Condition per Watercad Modeling (GPM)	Flow at Runout Condition per Watercad Modeling (GPM)
Pump Station #1	400	421	515

APPENDIX



Scenario: Base (EXISTING NETWORK CONDITIONS)

21-04-0008 Manifold.wtg 10/7/2022

Bentley Systems, Inc. Haestad Methods Solution Center 76 Watertown Road, Suite 2D Thomaston, CT 06787 USA +1-203-755-1666

		-				-
Label	Pump Definition	Elevation (ft)	Hydraulic Grade (Suction) (ft)	Hydraulic Grade (Discharge) (ft)	Flow (Total) (gpm)	Pump Head (ft)
LAKESHORE	LAKESHORE	58.60	58.60	168.65	63.33	110.05
LIFT STATION #1	Flygt Pump	65.40	65.40	103.57	0.00	0.00
TALICHET	TALICHET	62.50	62.50	130.66	185.57	68.16
TOWNHALL	TOWNHALL	73.50	73.50	165.88	30.45	92.38
VENEZIA #1	VENEZIA #1	65.00	65.00	163.97	225.30	98.97
VENEZIA #2	VENEZIA #2	55.50	55.50	161.74	254.45	106.24

FlexTable: Pump Table (EXISTING NETWORK CONDITIONS)

21-04-0008 Manifold.wtg 10/7/2022 Bentley Systems, Inc. Haestad Methods Solution Center 76 Watertown Road, Suite 2D Thomaston, CT 06787 USA +1-203-755-1666

Patented self cleaning semi-open channel impeller, ideal for pumping in waste water applications. Modular based design with high adaptation grade.



Curves according to: Water, pure Water, pure [100%], 39.2 °F, 62.43 lb/ft³, 1.6888E-5 ft²/s

Technical specification



Configuration		Image: second		73.39	456 229mm 1000 [US g.p.m.] Curve: ISO 9906
I3153.660 21-15-4AA-W F 5hp	nstallation type ² - Semi permanent, Wet				
npeller diameter 1 29 mm 4	Discharge diameter 4 inch				
Pump information		Materials	;		
npeller diameter 29 mm		Impeller Stainless ste	el		
ischarge diameter inch					
let diameter 50 mm					
1aximum operating speed 755 rpm					
umber of blades					
1ax. fluid temperature 0 °C					

Technical specification

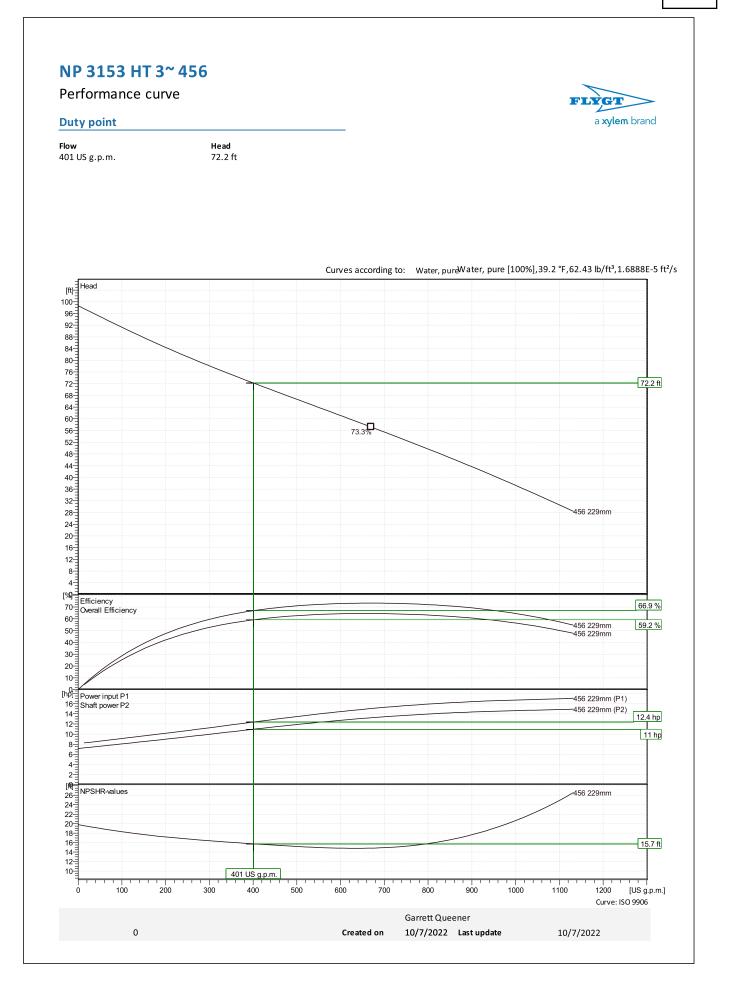
Motor - General

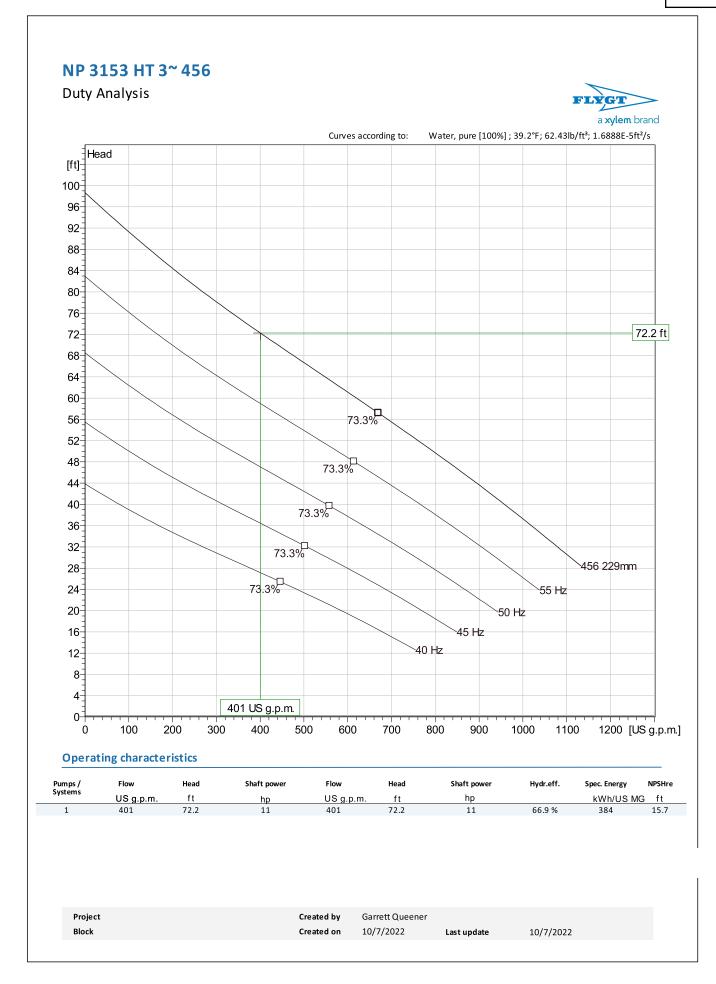
Motor number	Phases	Rated speed	Rated power
N3153.660 21-15-4AA-W 15hp	3~	1755 rpm	15 hp
ATEX approved	Number of poles	Rated current	Stator variant
No	4	39 A	5
Frequency	Rated voltage	Insulation class	Type of Duty
60 Hz	230 V	Н	S1
Version code			
660			
Motor - Technical			
Power factor - 1/1 Load	Motor efficiency - 1/1 Load	Total moment of inertia	Starts per hour max.
0.82	87.8 %	1.76 lb ft ²	30
Power factor - 3/4 Load	Motor efficiency - 3/4 Load	Starting current, direct starting	
0.77	88.7 %	228 A	
		Starting current, star-delta	
Power factor - 1/2 Load	Motor efficiency - 1/2 Load	Starting current, Star-uenta	

Created by Garrett Queener Project 10/7/2022 Block 0 Created on 10/7/2022 Last update

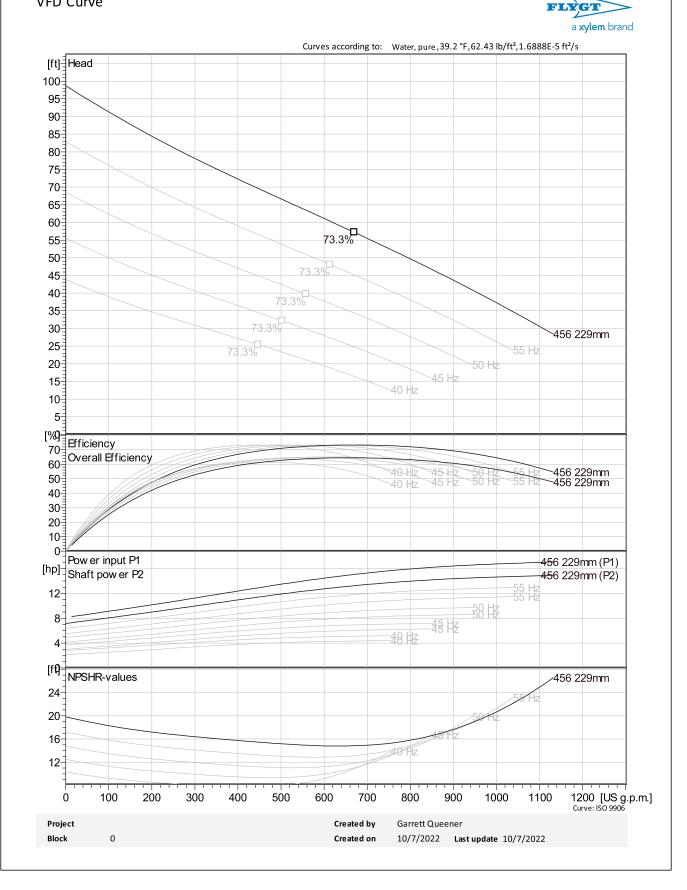
FLYGT

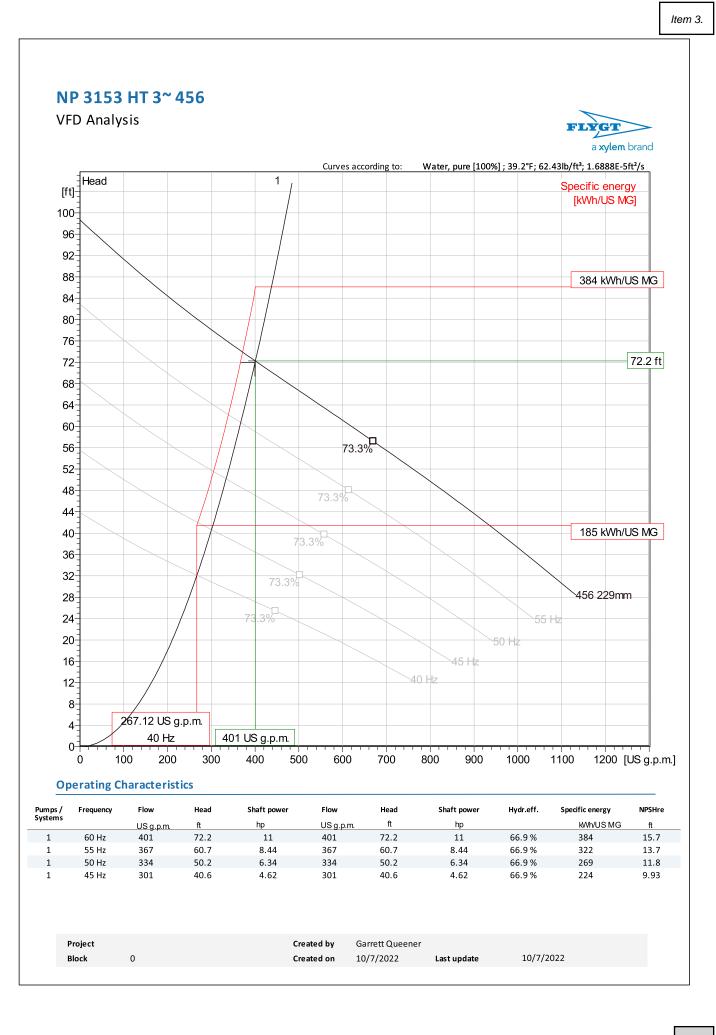
a **xylem** brand

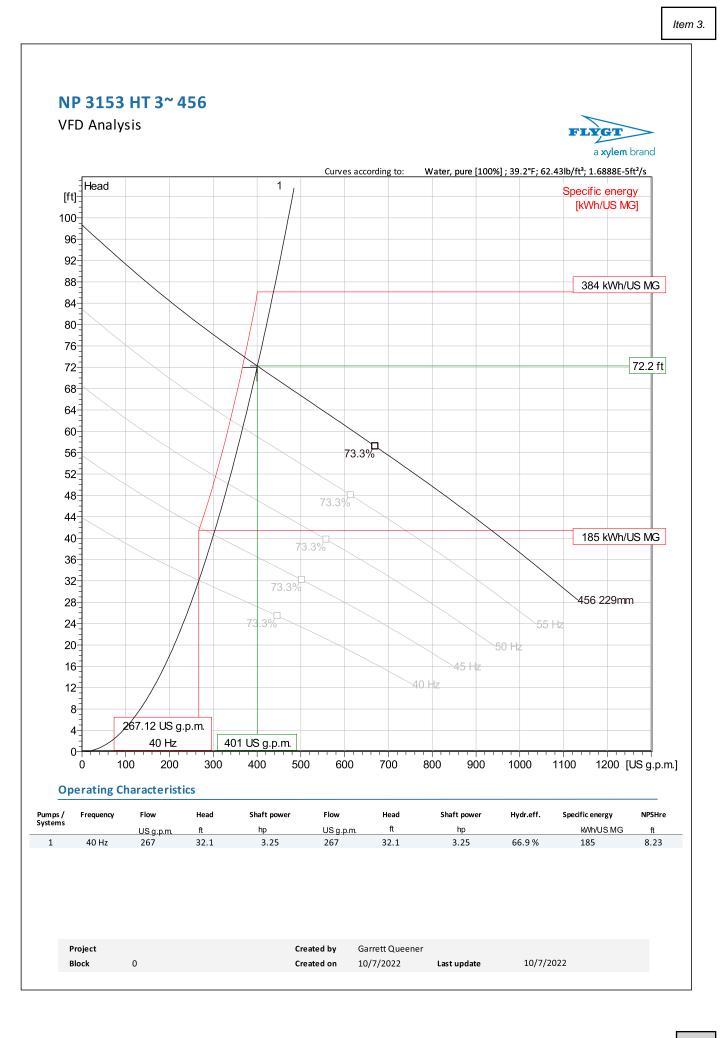




VFD Curve

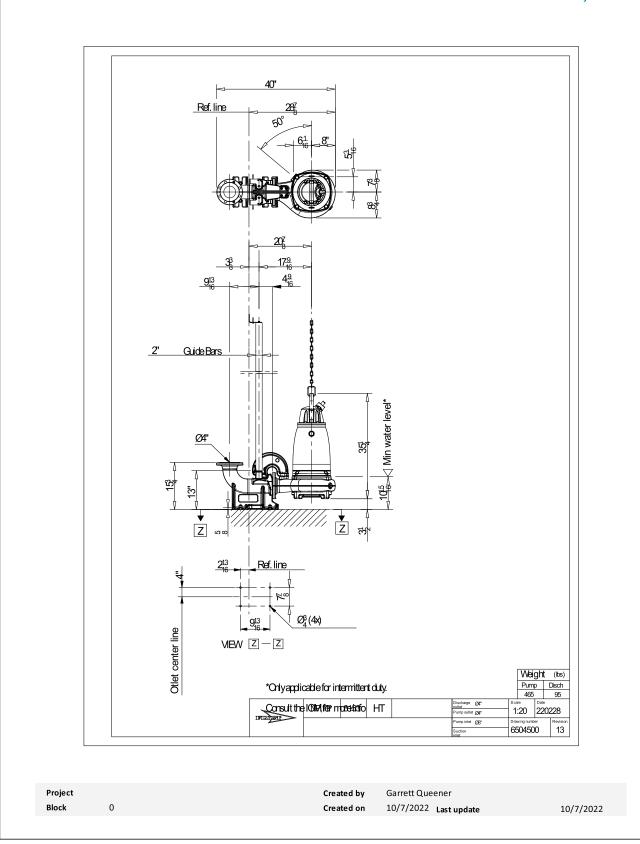


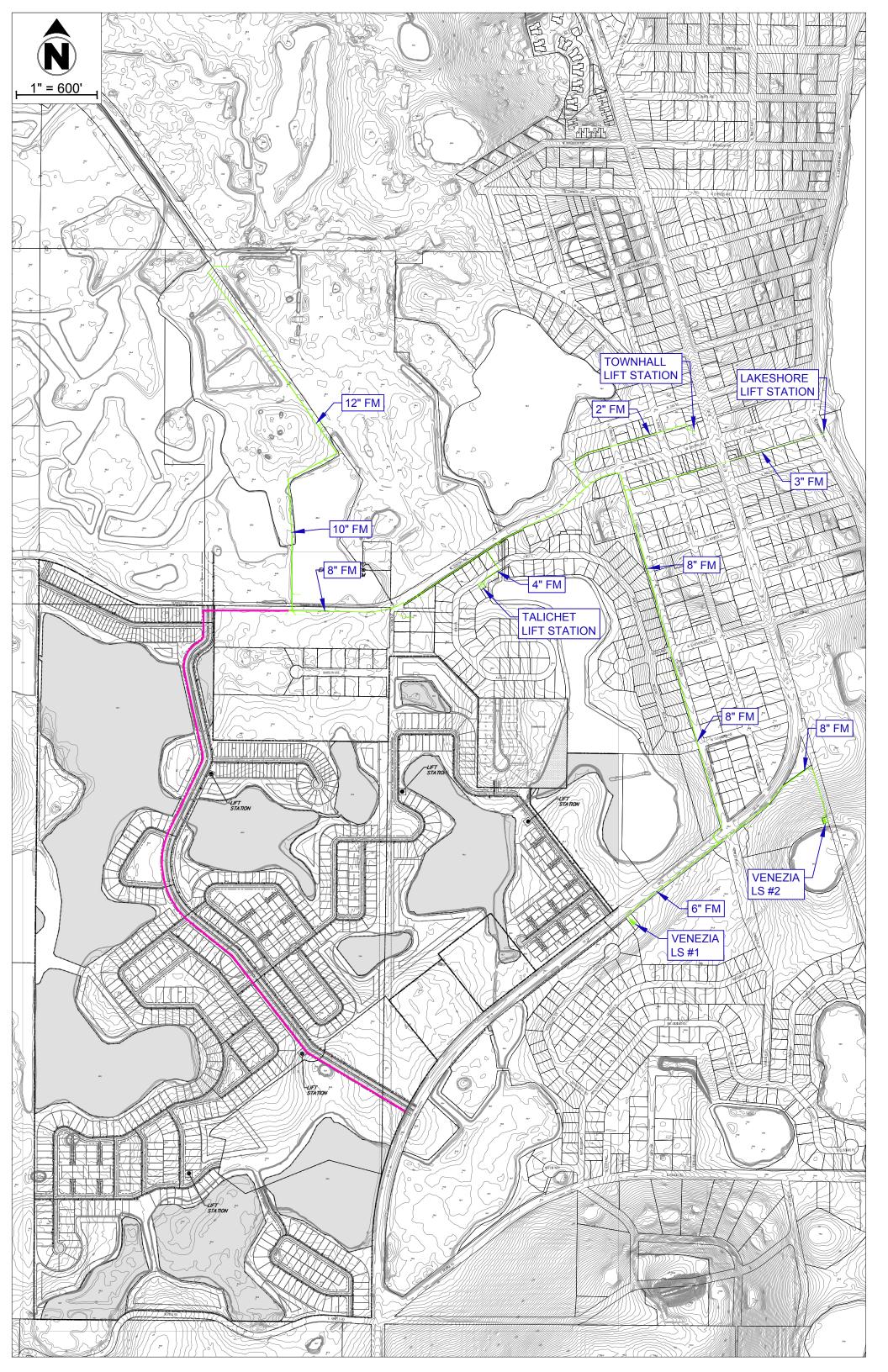




Dimensional drawing







WASTEWATER MASTER PLAN

Town of Howey in the Hills

Public Wastewater System

Prepared For:



Prepared By:



October 2018

APPENDIX C

Venezia's Existing Lift Station Calculations

LIFT STATION CALCULATIONS

Venezia Lift Station #1

I. Desig	n Flow Rates:								
Parc ID		Unit Description	Units	Unit Flow (GPD/Unit)	Average Daily Flow _(GPD)_	Average Daily Flow _ <u>(GPM)</u> _	Minimum Da i ly Flow <u>(GPM)</u>	Maximum Daily Flow _(GPM)_	Peak Daily Flow <u>(GPM)</u>
1	Residential - SF (detached)	dwelling unit	94	300	28,200	20	10	39	78
2	Commercial - Shopping Center	square feet	70,000	0.1	7,000	5	2	10	19
3	Commercial - Shopping Center - Deli	square feet	500	0.4	200	0.1	0.1	0.3	0.6
4	Commercial - Shopping Center - Bakery	square feet	500	0.4	200	0.1	0.1	0.3	0.6
5	Commercial - Shopping Center - Meat	square feet	500	0.75	375	0.3	0.1	0.5	1.0
6	Commercial - Restaurant <16 hrs	seat	300	40	12,000	8	4	17	33
7		5541	000	-10	0	õ	ō	0	õ
8					ő	ŏ	ŏ	Ö	õ
9					0 0	ŏ	õ	õ	õ
10					õ	Ď	õ	õ	ŏ
							_		
				Total	47,975	33	17	67	133
							F_min	F _{max}	F _{peak}
					Design Pea	king Factors:	0.5	2.0	4.0
II. Wet W	/ell Dimensions:			III. Minimum	Cycle Time & St	orage Volume	:		
	Wet Well Configuration:	Duplex		T = (V / (C	2-S)) + (V/S)	- 100 -	Where:	T = Cycle Tir	
1	No. of Wet Wells:	1			n occurs when S	= 1/2Q (Duple)	x)	S ≍ Peak Inf	
1	Layout:	Circular		V = (QT / -	4)				ischarge (gpm)
I	Inner Diameter =	8.00	feet					V = Req. Sto	rage Vol. (gal.)
	Volume =	376	gailons/foot	F	or Minimum T =	10	Min.		
	Total Volume =	376	gallons/foot	1	S =	147	GPM		
	Wall Thickness =	8	inches		Q =	294	GPM (per pum	p)	
J	Outer Diameter =	9.33	feet		Then V =	735	Gallons		
1				Min. St	torage Depth =	1.95	Feet (Pump OI	N - Pump OFF)
	Slab Lip =	18	inches	Cycle Tin	ne for Peak Flow	Condition, T =	10	Minutes > 5 n	ninutes, OK
1	Siab Diameter =	12.33	feet						
1					additional 50% S		for Triplx and 10	00% for Quadp	lex
1	Slab Thickness =	12	inches	Note: Rule of 3	Thumb: Min, Q =	150 gpm			
IV. Wet W	ell Control Leveis:				V. Buoyancy C	alculation:		<u> </u>	
1	-							. .	
1		Top Elevation				ture Rim El. =	89.00	feet	
	Assume Ground Water Tabl	le @ Elevation	88,50			ure Base El. =	63.50	feet	
1					Stru	icture Depth =	25.50	feet	
1	Influent Gravity Sew								
1		Freeboard =		Feet		ture Volume =	1,282	CF	
1	Audible Alarm					Vall Volume =	463	CF	
1	77 . t	Freeboard =		Feet	5	Slab Volume =	119	CF	
1	4 ⁷⁴ Pump & Alarm-								
1		Freeboard =		Feet	Volume d	of Concrete =	582	CF	
1	3 RD -Pump-&-Alarm-I	Light ON Elev.	0.00		Density	of Concrete =	144	lbs/CF	
1		Freeboard-	0.00	Feet		of Concrete =	83,855	los.	1
1	2 ND Pump & Alarm I	Light ON Elev.	70.00						
1	•	Freebaord =		Feet	Volume of Soil /	Above Slab =	1,302	CF	
1	Lead P	ump ON Elev.	69.00			nsity of Soil =	47	lbs/CF	
1		orage Depth =	4.00	Feet	Weight of Soil /		61,184	lbs.	
		nps OFF Elev.	65.00						
		ump Depth =	1.50	Feet		Total Resis	tance Force =	145,040	lbs.
	Wet Well Bott		63.50					-	
					Grout	nd Water Tabl	e @ Elevation	88.50	feet
1		of Wet Well =	25.50	Feet					
	Station Yard Finish Grad		88.50			Volume of Wa	ter Displaced =	1,830	CF
	Minimum Station	Yard Width =	25.0	Feet		Den	sity of Water =	62.4	lbs/CF
	Min. Station Easement Len	gth & Width =	59.3	Feet		<u> </u>			
	· · · · · · · · · · · · · · · · · · ·		405 00	<u>`</u>		Total	Uplift Force =	114,185	lbs.
	Forcemain High Poir			ft					
	Connection Poi			ft		_		4.0	
		on Pressure =	0.00	psi		Fact	or of Safety =	1.3	
	Static Head f	or Pumps =	60.00	Feet	1				

LIFT STATION CALCULATIONS (Cont'd) Venezia Lift Station #1

Calculation of System Head Curve: VI,

VI.	Calculation of System Head	Curve:		-									Pump Selection Flygt 15 h	p
													Model: NP3151, Curve: 63-464-00-4	550
	Total Static Head =	60.00	Feet										Impeller; 253 mm	
													No. Pumps in Parallel = 1 Duplex	
													Operating Point = 294 gpm @ 87 f	t TDH
			Sta	tion	1			Force Ma	in Piping	3				t TDH
			P1	ping	New (On-Site	New 1	On-Site	New (Off-Site	N	/A	OP3pumps= gpm@ f	t TDH
	Pipe Length (feet)			27	g	47	5,	600	3,	140	1	D		
	Pipe Inside Dia. (il	nches)		6		6		8	1	10	1	2	Wet Well Area = 50.3 sf per wet well	
	Pipe Area (SqFt.)	0.	196	0.	196	0,	349	0.:	545	0.7	785	Pump On El. = 69.00 ft	
	Pipe Material		L D	HP	₽	vc	P	VC	P	VC	P	/C	Pump Off El. = 65.00 ft	
	Roughness C		1	00	1	20	1	20	1	20	12	20	Storage Volume = 201 cf	
	Fittings:	K-Value	No.	Tot K	No.	Tot K	No.	Tot K	No.	Tot K	No.	Tot K	1,504 gallons per wel well	
	Discharge	1.0	1	1.0	0	0,0	٥	0.0	1	1.0	D	0.0		
	90° Bend	0,6	2	1.2	0	0.0	Ó	0.0	2	1.2	0	0.0	Pump On Time = Storage Volume / (Outflow - Infle	aw)
	45° Bend	0.4	2	0.8	4	1.6	4	1.6	4	1.6	Ö	0,0	= 9,4 minutes (Peak)	
	22.5° Bend	0.25	0	0.0	4	1.0	4	1.0	4	1.0	0	0.0	= 5,8 minutes (Average)	
	11.25° Bend	0.15	0	0.0	0	0	0	0.0	0	0,0	0	0.0	Pump Off Time = Storage Volume / (Inflow)	
	Expansion	0.5	Ð	0,0	1	0.5	1	0.5	0	0,0	0	0.0	= 11.3 minutes (Peak)	
	Plug Valve	0.4	1	0.4	1	0.4	6	2.4	3	1.2	0	0.0	= 45.1 minutes (Average)	
	Check Valve	2.5	1	2.5	0	0.0	D	0.0	0	0.0	0	0.0		
	Wye Branch	0.5	1	0.5	0	0,0	D	0.0	0	0.0	0	0,0	Inflow = 33 gpm (Average)	
	Contraction	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	inflow = 133 gpm (Peak)	
	Total K-Value			6.4		3.5		5.5		6.0		0.0	Outflow = 294 gpm	_
						6			8			10		
Ste	ep Interval = 25	gpm	Add. Ma	nifold Flov	vs (gpm):	0			D			0	U	

-						Pipe & F	Fitting Fric	tion Loss	es in Feel	 Velocity 	In Feet p	er Second						
			6			6		1	8			10			12		Friction	TDH
	Q (gpm)	Pipe		Velocity	Pipe		Velocity	Pipe		Velocity	Pipe	Fittings	Velocity	Pipe		Velocity	Head	
		(ft)	(ft)	(fps)	(ft)	(ft)	(fps)	(ft)	(ft)	(fps)	<u>(ft)</u>	(ft)	(fps)	(ft)	(ft)	(fps)	(feet)	(feet)
	D	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0,00	0,00	0,0	0.00	0.00	0.0	0.00	60.00
	25	0.00	0.01	0.3	0.09	0.00	0.3	0.13	0.00	0,2	0.02	0,00	0.1	0.00	0.00	0.0	0.27	60.27
	50	0,02	0.03	0,6	0.33	0.02	0.6	0.47	0.01	0.3	0.09	0.00	0.2	0.00	0.00	0,0	0.96	60.96 62.05
	75	0,04	0.07	0.9	0.69	0.04	0,9	D,99	0.02	0.5	0.19	0.01	0.3	0,00	0.00	0.0 0.0	2.05 3.50	62.05 63.50
	100	0.07	0.13	1.1	1.17	0.07	1.1	1.69	0.03	0.6	0.32	0.02	0,4	0,00	0.00		5.31	65.31
	125	0.10	0.20	1.4	1.78	0.11	1.4	2.55	0.05	0.8	0.49	0.02	0.5	0.00	0.00	0.0	7.45	67.45
	150	0.14	0.29	1.7	2.49	0.16	1.7	3.58	0.08	1.0	0.68	0.03	0.6	0.00	0.00	0,0 0,0	9.93	67.45
	175	0.19	0.39	2.0	3.31	0.21	2.0	4.76	0.11	1.1	0.91	0.05	0.7	0.00	0.00	0.0	12.74	72.74
Curve	200	0.25	0.51	2.3	4.24	0.28	2.3	6.10	0.14	1.3	1.16	0,06	0.8 0.9	0.00 0.00	0.00	0.0	15.87	75.87
5	225	0.31	0.65	2.6	5,28 6,42	0.35	2.6 2.8	7.58 9.21	0.18	1.4 1.6	1.44 1.75	0.08 0.10	1.0	0,00	0.00	0.0	19.31	79.31
0	250	0,38 0.45	0.80	2.8	6.42 7.65	0.44	2.8	9.21	0.22	1.0	2.09	0.10	1.0	0.00	0.00	0.0	23.07	83.07
_	275	0.45	1.11	3.1	8.66	0.60	3.3	12.44	0.20	1.0	2.37	0.12	1.2	0.00	0.00	0.0	26,13	86.13
Head	294	0.51	1.15	3.3 3,4	8,99	0.60	3.3 3.4	12.94	0.30	1.9	2.37	0.13	1.2	0.00	0.00	0.0	27.13	87.13
<u>ë</u>	300 325	0.55	1.35	3,4 3,7	10,43	0.83	3.4 3.7	14.97	0.37	2.1	2.40	0.14	1.3	0.00	0.00	0.0	31.50	91.50
1 -	350	0.02	1.55	4.0	11.97	0.86	4.0	17.18	0.43	2.2	3.27	0.19	1.4	0.00	0.00	0.0	36.17	96.17
	375	0.81	1.80	4.0	13.60	0.85	4.3	19.51	0.49	2.4	3.71	0.22	1.5	0.00	0.00	0.0	41.13	101.13
System	400	0.92	2,05	4.5	15.33	1.12	4.5	21.99	0.56	2,6	4.19	0.25	1.6	0.00	0,00	0,D	46.39	106.39
st	400	1.03	2.31	4.8	17.15	1.26	4.8	24.60	0.63	2.7	4.68	0.28	1.7	0.00	0.00	0,0	51.95	111.95
l Š	450	1.15	2.59	5.1	19,06	1.42	5.1	27.35	0.70	2.9	5.21	0.31	1.8	0.00	0.00	0.0	57.79	117.79
~ ~	475	1.27	2.89	5.4	21.07	1.58	5.4	30.22	0.78	3.0	5.75	0.35	1.9	0.00	0.00	0.0	63.93	123.93
	500	1.41	3.20	5.7	23,18	1.75	5.7	33.23	0.87	3.2	6.33	0,39	2.0	0.00	0.00	0.0	70.35	130.35
	525	1.54	3.53	6.0	25.37	1.93	6.0	36.37	0,96	3.4	6.93	0.43	2.1	0.00	0.00	0.0	77.05	137.05
	550	1.69	3.87	6.2	27.65	2.12	6,2	39,65	1.05	3.5	7.55	0.47	2.2	0,00	0.00	0.0	84.04	144.04
	575	1.83	4,23	6.5	30.03	2,31	6.5	43.04	1.15	3.7	8.20	0.51	2.3	0.00	0.00	0.0	91.31	151.31
	600	1.99	4,61	6.8	32,49	2.52	6.8	46.57	1.25	3.8	8,87	0.56	2.5	0.00	0.00	0.0	98.86	158.86
	625	2.15	5.00	7.1	35.05	2.73	7.1	50.23	1.36	4.0	9.56	0.61	2.6	0.00	0,00	Q.Q	106.68	166.68
	650	2.32	5.41	7.4	37.69	2.96	7.4	54.01	1.47	4.1	10.28	0.66	2.7	0.00	0.00	0.0	114.79	174.79
	675	2.49	5,83	7.7	40.42	3.19	7.7	57.92	1.59	4.3	11.03	0.71	2.8	0.00	0.00	0.0	123.16	183.16
1	700	2.67	6.27	7.9	43.24	3.43	7.9	61.95	1.70	4.5	11,80	0.76	2.9	0.00	0.00	0.0	131.81	191.81
1	725	2.85	6.72	8.2	46.14	3.68	8.2	66.10	1.83	4.6	12.59	0.82	3.0	0,00	0.00	0.0	140.74	200.74
	750	3.04	7.20	8.5	49.13	3.94	8.5	70.39	1.96	4.8	13.40	0.87	3.1	0.00	0.00	0.0	149.93	209,93

Item 3.

LIFT STATION CALCULATIONS

Venezia Lift Station #2

I.	Design Flow	Rates:				Average	Average	Minimum	Maximum	Peak
	Parcei ID	Land Use Description	Unit <u>Description</u>	Units	Unit Flow (GPD/Unit)	Daily Flow (GPD)	Daily Flow	Daily Flow (GPM)	Daily Flow (GPM).	Daily Flo
	1	Residential - SF (detached)	dwelling unit	77	300	23,100	16	8	32	64
	2	Residential - SF (attached)	dwelling unit		300	33,900	24	12	47	94
	3	Institutional - School	student	494	33	16,302	11	6	23	45
	4 5					0	0	D	0	0
	6					0 0	0 0	0 0	0 0	0
	7					õ	ő	0	0	0
	8					Ō	õ	ŏ	ŏ	Ď
	9					0	D	0	0	0
	10					0	0	0	0	0
					Total	73,302	51	25	102	204
								F _{min}	Fmax	Fpeek
						<u>Design Pe</u>	aking Factors	0.5	2.0	4.0
I. '	Wet Well Dim	nensions:			III. Minimum	Cycle Time & Si	torage Volum);		
		Wet Well Configuration:	Duplex		T = (V / (C	2-S)) + (V/S)		Where	: T = Cycle Tin	
		No. of Wet Wells:	1		Note: T m	_{in} occurs when S	= 1/2Q (Duple	x)	S = Peak Infl	ow (gpm)
		Layout: Inner Diameter =	Circular 8.00	feet	V = (QT /	4)			Q = Pump Di V = Req. Sto	
		Volume = Total Volume ⇒	376 376	gallons/foot gallons/foot	F	or Minimum T = S =	10 163	Min. GPM		
		Wall Thickness = Outer Diameter =	8 9.33	inches feet		Q =	326	GPM (per pur	ıp)	
			0.00	IEEL	Min. S	Then V =	815 2.17	Gallons Feet (Pump Q	N - Pumn OFF)	
		Slab Lip =	18	inches		torage Depth =	2.17		N - Pump OFF) Minutes > 5 m	
			18 12.33		Cycle Tir		2.17 Condition, T =	Feet (Pump O	Minutes > 5 m	inutes, OK
		Slab Lip =	18	inches	Cycle Tir Note: Allow an	torage Depth = ne for Peak Flow	2.17 Condition, T = Storage Depth	Feet (Pump O	Minutes > 5 m	inutes, OK
7. 1	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness =	18 12.33	inches feet	Cycle Tir Note: Allow an	torage Depth = ne for Peak Flow additional 50% 3	2.17 Condition, T = Storage Depth 150 gpm	Feet (Pump O	Minutes > 5 m	inutes, OK
7. 1	Wet Well Con	Slab Lip = Siab Diameter = Slab Thickness = trol Levels:	18 12.33 12 Fop Elevation	inches feet inches 82.00	Cycle Tir Note: Allow an	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struct	2.17 Condition, T = Storage Depth 150 gpm calculation: cure Rim El. = cure Base El. =	Feet (Pump O 10 for Triplx and 10 82.00 54.50	Minutes > 5 π 00% for Quadp feet feet	inutes, OK
7. \	Wet Well Con	Slab Lip = Siab Diameter = Siab Thickness = trol Leveis: Wet Well 1	18 12.33 12 Fop Elevation le @ Elevation	inches feet inches 82.00 81.50	Cycle Tir Note: Allow an	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struct	2.17 Condition, T = Storage Depth 150 gpm alculation:	Feet (Pump O 10 for Triplx and 10 82.00	Minutes > 5 π 00% for Quadp feet	inutes, OK
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = trol Leveis: Wet Well 1 Assume Ground Water Tabl	18 12.33 12 Fop Elevation le @ Elevation	inches feet inches 82.00 81.50 61.72	Cycle Tir Note: Allow an	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struct	2.17 Condition, T = Storage Depth 150 gpm calculation: cure Rim El. = cure Base El. =	Feet (Pump O 10 for Triplx and 10 82.00 54.50	Minutes > 5 π 00% for Quadp feet feet	inutes, OK
. \	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = trol Leveis: Wet Well 1 Assume Ground Water Tabl	18 12.33 12 Fop Elevation e @ Elevation rer Invert Elev. Freeboard = ON Elevation	inches feet inches 82.00 81.50 61.72 0.72 61.00	Cycle Tir Note: Allow ar Note: Rule of	torage Depth = ne for Peak Flow a additional 50% S Thumb: Min. Q = V. Buoyancy C Struct Struct Struct	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = cure Base El. = ucture Depth = ture Volume = Wall Volume =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499	Minutes > 5 m 00% for Quadp feet feet feet CF CF	inutes, OK
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Wet Well 1 Assume Ground Water Tabl Influent Gravity Sew Audible Alarm	18 12.33 12 Top Elevation le @ Elevation Freeboard = ON Elevation Freeboard =	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00	Cycle Tir Note: Allow ar Note: Rule of	torage Depth = ne for Peak Flow a additional 50% S Thumb: Min. Q = V. Buoyancy C Struct Struct Struct	2.17 Condition, T = Storage Depth 150 gpm calculation: cure Rim El. = cure Base El. = ucture Depth =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382	Minutes > 5 m 00% for Quadp feet feet feet CF	inutes, OK
. N	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = trol Levels: Wet Well 1 Assume Ground Water Tabl Influent Gravity Sew	18 12.33 12 Top Elevation le @ Elevation er Invert Elev, Freeboard = ON Elevation Freeboard =	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00	Cycle Tir Note: Allow ar Note: Rule of Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struct Struct	2.17 Condition, T = Storage Depth 150 gpm Calculation: Cure Rim El. = Cure Base El. = Lucture Depth = Sture Volume = Wall Volume =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF	inutes, OK
7. 1	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Itrol Leveis: Wet Well 1 Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 ⁷⁴ -Pump-&-Alarm-	18 12.33 12 Top Elevation e @ Elevation er Invert Elev. Freeboard = ON Elevation Freeboard = Light ON Elev.	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00	Cycle Tir Note: Allow ar Note: Rule of	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struct Struct Struct Struct	2.17 Condition, T = Storage Depth 150 gpm Calculation: Cure Rim El. = Cure Base El. = Lucture Depth = Sture Volume = Wall Volume = Slab Volume = of Concrete =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF	inutes, OK
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Wet Well 1 Assume Ground Water Tabl Influent Gravity Sew Audible Alarm	18 12.33 12 Fop Elevation e @ Elevation er Invert Elev. Freeboard = ON Elevation Freeboard = Light ON Elev.	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00 0.00 0.00	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm Calculation: Cure Rim El. = Cure Base El. = Lucre Depth = Cuture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete =	Feet (Pump O 10 for Triplx and 10 54.50 27.50 1,382 499 119 619 144	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Lbs/CF	inutes, OK
7. \	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Introl Leveis: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH -Pump & Alarm I 3 RD -Pump & Alarm I	18 12.33 12 Fop Elevation e @ Elevation er Invert Elev. Freeboard = UN Elevation Freeboard = Light ON Elev. Freeboard =	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00	Cycle Tir Note: Allow ar Note: Rule of Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm Calculation: Cure Rim El. = Cure Base El. = Lucture Depth = Sture Volume = Wall Volume = Slab Volume = of Concrete =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF	inutes, OK
7. 1	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Itrol Leveis: Wet Well 1 Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 ⁷⁴ -Pump-&-Alarm-	18 12.33 12 Fop Elevation e @ Elevation er Invert Elev. Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev.	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet	torage Depth = ne for Peak Flow additional 50% S Thumb: Min. Q = V. Buoyancy C Struct	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = ure Base El. = ure Base El. = ure Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF tbs/CF lbs.	inutes, OK
7. \	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH _Pump & Alarm I 3 RD _Pump & Alarm I	18 12.33 12 Fop Elevation e @ Elevation er Invert Elev. Freeboard = ON Elevation Freeboard = light ON Elev. Freeboard = light ON Elev. Freeboard =	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00 60.00 1.00	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% S Thumb: Min. Q = V. Buoyancy C Struct Struct Struct Struct Struct Volume Density Weight Volume of Soli	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = cure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = Above Slab =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ubs/CF Ibs, CF	inutes, OK
. N	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH -Pump & Alarm I 3 RD Pump & Alarm I 2 ND Pump & Alarm I	18 12.33 12 Fop Elevation e @ Elevation e @ Elevation Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard =	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm calculation: cure Rim El. = cure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = Above Slab = ensity of Soll =	Feet (Pump O 10 for Triplx and 10 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ubs/CF lbs, CF lbs/CF	inutes, OK
. \	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH Pump & Alarm 1 3 RD Pump & Alarm 1 2 ND Pump & Alarm 1 Lead P	18 12.33 12 Top Elevation le @ Elevation Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = ump ON Elev. prage Depth =	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% S Thumb: Min. Q = V. Buoyancy C Struct Struct Struct Struct Struct Volume Density Weight Volume of Soli	2.17 Condition, T = Storage Depth 150 gpm calculation: cure Rim El. = cure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = Above Slab = ensity of Soll =	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ubs/CF Ibs, CF	inutes, OK
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Introl Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH Pump & Alarm I 3 RD Pump & Alarm I 2 ND Pump & Alarm I Lead P Sto Both Pum	18 12.33 12 Fop Elevation e @ Elevation e @ Elevation Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = ump ON Elev.	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm Calculation: Cure Rim EL = Cure Base EL = Uncture Depth = Wall Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = Above Slab = Above Slab =	Feet (Pump O 10 for Triplx and 10 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ubs/CF lbs, CF lbs/CF	inutes, OK
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Introl Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH Pump & Alarm I 3 RD Pump & Alarm I 2 ND Pump & Alarm I Lead P Sto Both Pum	18 12.33 12 Fop Elevation e @ Elevation e @ Elevation Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = ump ON Elev. orage Depth = ps OFF Elev. ump Depth =	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet	torage Depth = ne for Peak Flow additional 50% S Thumb: Min. Q = V. Buoyancy C Struct	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = sure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = of Concrete = ansity of Soll = Above Slab = Total Resis	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983 stance Force =	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ubs/CF Ibs/CF Ibs/CF Ibs. CF Ibs/CF Ibs. CF	inutes, OK fex
7. 1	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH -Pump & Alarm I 3 RD Pump & Alarm I 2 ND Pump & Alarm I Lead P Sto Both Pum S Wet Well Both	18 12.33 12 Fop Elevation e @ Elevation e @ Elevation Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = ump ON Elev. proge Depth = ps OFF Elev. ump Depth = om Elevation	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet	torage Depth = ne for Peak Flow additional 50% S Thumb: Min. Q = V. Buoyancy C Struct	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = sure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = of Concrete = ansity of Soll = Above Slab = Total Resis	Feet (Pump O 10 for Triplx and 10 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF Ubs/CF lbs. CF lbs/CF lbs.	inutes, OK lex
7. 1	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH -Pump & Alarm I 3 RD Pump & Alarm I 2 ND Pump & Alarm I Lead P Sto Both Pum S Wet Well Both	18 12.33 12 Fop Elevation e @ Elevation er Invert Elev. Freeboard = UN Elevation Freeboard = Light ON Elev. Freeboard = Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Freeboard = Fre	Inches feet Inches 82.00 81.50 61.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm Calculation: Cure Rim EL = Cure Base EL = Justure Depth = Wall Volume = Wall Volume = Wall Volume = Of Concrete = of Concrete = of Concrete = Above Slab = ensity of Soil = Above Slab = Total Resis	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983 stance Force =	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Us/CF Ibs. CF Ibs/CF Ibs. 155,066 81.50	inutes, OK fex
<i></i>	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Introl Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH -Pump & Alarm 1 3 RD -Pump & Alarm 1 2 ND Pump & Alarm 1 Lead P Stat Both Pum S Wet Well Botth Total Depth Station Yard Finish Grac Minimum Station	18 12.33 12 Fop Elevation e @ Elevation Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = ump ON Elev. orage Depth = ops OFF Elev. ump Depth = om Elevation of Wet Well = the Elevation = Yard Width =	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm calculation: cture Rim El. = cture Base El. = ucture Depth = wall Volume = Wall Volume = of Concrete = of Concrete = of Concrete = of Concrete = above Slab = motal Resis	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983 stance Force = e @ Elevation	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ubs/CF Ibs/CF Ibs/CF Ibs. CF Ibs/CF Ibs. CF	inutes, OK fex lbs. feet
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Introl Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH Pump & Alarm I 3 RD Pump & Alarm I 2 ND Pump & Alarm I Lead P Station Yard Finish Grad	18 12.33 12 Fop Elevation e @ Elevation Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = ump ON Elev. orage Depth = ops OFF Elev. ump Depth = om Elevation of Wet Well = the Elevation = Yard Width =	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet Feet	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = sure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = of Concrete = Above Slab = motor Slab = Total Resise Dotal Resise	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983 stance Force = e @ Elevation ter Displaced = sity of Water =	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ibs/CF Ibs/CF Ibs. CF Ibs/CF Ibs. 155,066 81.50 1,967 62.4	inutes, OK fex lbs. feet CF lbs/CF
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = ntrol Levels: Met Well T Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH -Pump & Alarm I 3 RD Pump & Alarm I 2 ND Pump & Alarm I Lead P Station Pump & Alarm I S Wet Well Bott Total Depth Station Yard Finish Grad Minimum Station Min. Station Easement Len	18 12.33 12 Fop Elevation e @ Elevation e @ Elevation Freeboard = Un Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Unp ON Elev. Drage Depth = Dom Elevation of Wet Well = de Elevation = Yard Width = gth & Width =	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet Feet Fee	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = sure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = of Concrete = Above Slab = motor Slab = Total Resise Dotal Resise	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983 stance Force = e @ Elevation ter Displaced =	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF Ibs/CF Ibs. CF Ibs/CF Ibs. 155,066 81.50 1,967	inutes, OK fex Ibs. feet CF
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Introl Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH -Pump & Alarm 1 3 RD -Pump & Alarm 1 2 ND Pump & Alarm 1 Lead P Stat Both Pum S Wet Well Botth Total Depth Station Yard Finish Grac Minimum Station	18 12.33 12 Top Elevation e @ Elevation er Invert Elev. Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = DN Elevation Elevation of Wet Well = the Elevation = Yard Width = gth & Width = the Elevation =	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet Feet Fee	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = sure Base El. = ucture Depth = ture Volume = Wall Volume = Slab Volume = of Concrete = of Concrete = of Concrete = of Concrete = Above Slab = motor Slab = Total Resise Dotal Resise	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983 stance Force = e @ Elevation ter Displaced = sity of Water =	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ibs/CF Ibs/CF Ibs. CF Ibs/CF Ibs. 155,066 81.50 1,967 62.4	inutes, OK fex lbs. feet CF lbs/CF
	Wet Well Con	Slab Lip = Slab Diameter = Slab Thickness = Introl Levels: Assume Ground Water Tabl Influent Gravity Sew Audible Alarm 4 TH Pump&Alarm I 3 RD Pump&Alarm I 2 ND Pump & Alarm I 2 ND Pump & Alarm I Station Pump & Alarm I Station Finish Grac Minimum Station Min. Station Easement Len Forcemain High Poir Connection Poir	18 12.33 12 Top Elevation e @ Elevation er Invert Elev. Freeboard = ON Elevation Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = Light ON Elev. Freeboard = DN Elevation Elevation of Wet Well = the Elevation = Yard Width = gth & Width = the Elevation =	Inches feet Inches 82.00 81.50 61.72 0.72 61.00 1.00 0.00 0.00 0.00 0.00 0.00 0.0	Cycle Tir Note: Allow ar Note: Rule of Feet Feet Feet Feet Feet Feet Feet Fee	torage Depth = ne for Peak Flow a additional 50% 3 Thumb: Min. Q = V. Buoyancy C Struct Struc	2.17 Condition, T = Storage Depth 150 gpm alculation: cure Rim El. = ure Base El. = ure Base El. = ure Volume = Wall Volume = Wall Volume = of Concrete = of Concrete = of Concrete = of Concrete = Above Slab = Total Resis md.Water Tabl Volume of Wa	Feet (Pump O 10 for Triplx and 10 82.00 54.50 27.50 1,382 499 119 619 144 89,083 1,404 47 65,983 stance Force = e @ Elevation ter Displaced = sity of Water =	Minutes > 5 m 00% for Quadp feet feet feet CF CF CF CF Ibs/CF Ibs/CF Ibs. CF Ibs/CF Ibs. 155,066 81.50 1,967 62.4	inutes, OK fex lbs. feet CF lbs/CF

LIFT STATION CALCULATIONS (Cont'd) Venezia Lift Station #2

VI. Calculation of System Head C	Curve:
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VJ.	Calculation of System Head	Curve:											Pump Selection Model:		lygt 15 2. Curve: 63-487-0	hp
	Total Static Head =	69.00	Feet										impeller:	265	2. CUIVE: 63-467-0 MTI	0-3633
													No. Pumps in F			
ľ													Operating Point =	326	gpm @ 94	ft TDH
			· St	ation				Force Ma	ain Piping	9			OP 2 Pumps =		gpm @	fl TDH
				ping	New (2 <u>n-Site</u>	New C	<u> On-Site</u>	New (Off-Site	Δ	//A	OP 3 pumps =		gpm @	fl TDH
	Pipe Length (feet)			30	1,	260	5,	600	3,	140		0				
	Pipe Inside Dia. (ir			6		8		8		10		12	Wet Well Area =	50,3	st per wet weli	
	Pipe Area (SqFt.))		196		349		349		545		785	Pump On Ei. =	59.00	ft	
	Pipe Material)/P		VC		VC		VC		VC	Pump Off El. =	56.00	ft	
	Roughness C			00		20		20		20		20	Storage Volume =	151	cf	
	Fittings:	K-Value	No.	Tot.K	No.	Tot K	No.	<u>Tot K</u>	No.	Tot K	No.	Tot K		1,128	gallons per wet we	I
	Discharge	1.0	1	1.0	0	0,0	0	0,0	1	1.0	0	0.0				
	90° Bend	0,6	2	1,2	0	0,0	D	0,0	2	1.2	0	0,0	Pump On Time = :	Storage	Volume / (Outflow -	Inflow)
	45° Bend	0.4	2	0,8	4	1.6	4	1.6	4	1.6	D	0.0	=	9,2	minutes (Peak)	
	22.5° Bend	0.25	Ð	0.0	4	1.0	4	1.0	4	1.0	0	0,0	=	4.1	minutes (Average))
	11.25° Bend	0.15	0	0.0	0	0	0	0,0	C D	0.0	0	0.0	Pump Off Time = 3	Storage	Volume / (Inflow)	
	Expansion	0,5	0	0.0	1	0.5	1	0.5	0	0.0	0	0.0	=	5,5	minutes (Peak)	
1	Plug Valve	0.4	1	0.4	2	0.8	6	2.4	3	1.2	0	0.0	=	22.2	minutes (Average)) .
	Check Valve	2.5	1	2.5	0	0,0	0	0.0	0	0.0	0	0,0				
	Wye Branch	0.5	1	0.5	0	0,0	0	0.0	0	0.0	0	0.D	Inflow =	51	gpm (Average)	
	Contraction	0.5	۵	0,0	0	0.0	0	0.0	0	0.0	0	0.0	Inflow =	204	gpm (Peak)	
	Total K-Value			6,4		3.9		5.5		6.0		0.0	Outflow =	326	gpm	
~						8			8			10	_	12	-	
Ste	p Interval = 25 ;	gpm	Add. Ma	nifold Flow	/s (gpm):	0			0			0		C		

		1			-	Pipe & I	Fitting Fric	tion Loss	es in Feet	- Velocity	in Feet p	er Second						
			6			8			. 8		1	10			12		Friction	TDH
	Q (gpm)	Pipe		Velocity	Pipe			Pipe		Velocity	Pipe	Fittings	Velocity	Pipe	Fittings	Velocity	Head	
		(ft)	(ft)	(fps)	(ft)	(ft)	(fps)	(ft)	(ft)	(fps)	(ft)	(ft)	(fps)	(ft)	(ft)	(fps)	(feet)	(feet)
	0	0.00	0.00	0.0	0.00	0.00	0,0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	69.00
	25	0.01	0.01	0.3	0.03	0.00	0.2	0.13	0.00	0.2	0.02	0.00	D.1	0.00	0.00	0.0	0,20	69.20
	50	0.02	0.03	0.6 0.9	0.11	0.01	0.3	0.47	0.01	0.3	0.09	0.00	0.2	0.00	0.00	0.0	0.73	69.73
	75 100	0.04	0.07	1.1	0.23	0.01	0.5	0.99	0.02	D.5	0.19	0.01	0.3	0.00	0.00	0.0	1.56	70.56
	125	0.07	0.13	1.1	0.58	0.02	0,6 0,8	1.69 2.55	0.03	0.6	0.32	0.02	0.4	0.00	0.00	0.0	2.67	71.67
	150	0.15	0.20	1.4	0.82	0.04	1.0	2.55 3.58	0.05	0.8 1.0	0.49 0.68	0.02	0,5	0.00	0.00	0.0	4,05	73.05 74.69
[175	0.15	0.29	2,0	1.09	0.08	1.0	4.76	0.08	1.0	0.91	0.03	0.6 0.7	0.00	0.00	0.0 0.0	5.69 7.58	76.58
ø	200	0.26	0.51	2.3	1.39	0.08	1.3	4.76 6.1D	D.14	1.3	1.16	0.05	0.7	0.00	0.00	0.0	9.73	78.73
2	225	0.33	0.65	2.6	1.73	0.12	1.4	7.58	0,18	1.4	1.44	0.08	0.9	0.00	0.00	0.0	12.11	81.11
Curve	250	0.40	0.80	2.8	2.10	0.15	1.6	9.21	0.22	1.6	1.75	0.00	1.0	0.00	0.00	0.0	14.74	83.74
	275	0.48	0.97	3.1	2.51	0.19	1.8	10.99	0.26	1.8	2.09	0.12	1.1	0.00	0.00	0.0	17.61	86.61
	300	0.57	1.15	3.4	2.95	0.22	1.9	12,91	0.31	1.9	2.46	0.14	1.2	0.00	0.00	0.0	20.72	89.72
Head	325	D.66	1.35	3.7	3.42	0.26	2.1	14.97	0.37	2.1	2.85	0.16	1.3	0.00	0.00	0.0	24.05	93,05
Ľ Ľ	326	0.67	1,36	3.7	3.44	0.26	2.1	15.06	0.37	2.1	2.87	0.17	1.3	0.00	0.00	0.0	24.19	93.19
	350	0.77	1.57	4.0	3.92	0.30	2,2	17.18	0.43	2.2	3.27	0.19	1.4	0.00	0.00	0.0	27.62	96.62
System	375	0.87	1.80	4.3	4.46	0.35	2,4	19.51	0.49	2,4	3.71	0.22	1.5	0.00	0.00	0.D	31.41	100.41
te	400	0.99	2.05	4.5	5.03	0.39	2.6	21.99	0.56	2,6	4.19	0.25	1.6	0.00	0.00	0.0	35.44	104.44
s	425	1.11	2.31	4.8	5.62	0.45	2.7	24.60	0.63	2.7	4.68	0.28	1.7	0.00	0.00	0.0	39.68	108.68
ିତ	450	1.23	2.59	5.1	6.25	0,50	2.9	27.35	0.70	2.9	5.21	0.31	1.8	0.00	0.00	0.0	44.15	113,15
	475	1.37	2.89	5.4	6.91	0.56	3,0	30.22	0.78	3.0	5.75	0.35	1.9	0.00	0.00	0.0	48.83	117.83
1	500	1.51	3,20	5.7	7.60	0.62	3.2	33.23	0.87	3,2	6.33	0.39	2.0	0.00	0.00	0,0	53.74	122.74
	525	1.65	3.53	6.D	8.32	0.68	3.4	36.37	0.96	3.4	6.93	0.43	2.1	0.00	0.00	0.0	58.87	127.87
	550	1.81	3.87	6.2	9,07	0.75	3.5	39.65	1.05	3.5	7.55	0.47	2.2	0.00	0.00	0.0	64.21	133.21
1 1	575	1.96	4.23	6.5	9.85	0.82	3.7	43.04	1.15	3.7	8.20	0.51	2.3	0.00	0.00	0.0	69.76	138.76
	600	2,13	4.61	6.8	10.66	0.89	3.8	46.57	1.25	3.8	8.87	0.56	2.5	0.00	0.00	0.0	75.53	144.53
	625	2.30	5,00	7.1	11.49	0.96	4.0	50.23	1.36	4.0	9.56	0.61	2.6	0.00	0.00	0,0	81.51	150.51
	650	2.48	5.41	7.4	12.36	1.04	4.1	54.01	1.47	4.1	10.28	0,66	2.7	0.00	0.00	0.0	87.71	156.71
	675	2.66	5.83	7.7	13.25	1.12	4.3	57.92	1.59	4.3	11.03	0.71	2.8	0.00	0.00	0.0	94.11	163.11
	700	2.86	6.27	7,9	14.18	1.21	4,5	61.95	1.70	4.5	11.80	0.76	2.9	0.00	0.00	0.0	100.72	169.72
	725 750	3.05 3.26	6.72 7.20	8.2 8.5	15.13 16.11	1,30 1,39	4.6 4.8	66.10 70.39	1.83 1.96	4.6 4.8	12.59 13.40	0.82 0.87	3.0 3.1	0.00	0.00	0,0	107.54	176.54
	100	3,20	1.20	0.0	10111	1.38	4.0	10.59	1.90	4.0	13.40	0,07	3.1	0.00	0,00	0.0	114.57	183.57

APPENDIX D

Venezia's Existing Lift Station Record Drawings

RTU SYSTEM SPECIFICATIONS:

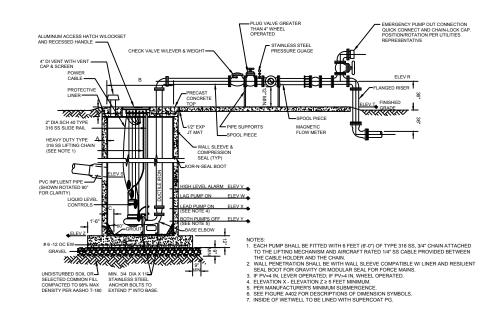
- 1. A MICROPROCESSOR-BASED PUMP CONTROLLER/TRANSCEIVER (CC) MODEL SIEMENS WATER TECHNOLOGIES LC-150 SHALL BE PROVIDED
- 2. THE RTU SHALL BE MOUNTED IN A NEMA 3R 316 STAINLESS STEEL ENCLOSURE ADJACENT TO THE PUMP CONTROL PANEL AND SHALL BE PROVIDED WITH A CLASS II UL LISTED TRANSFORMER/POWER SUPPLY.
- 3. STANDARDS
- A. FCC PART 15, SUBPART J, CLASS A RADIO EMISSIONS B ANSI/IEEE C37 90 - SURGE WITHSTAND CAPABILITY C. ANSI/IPC-S815A - QUALITY CONTROL
- 4. APPROVED SYSTEM SUPPLIER IS SIEMENS WATER TECHNOLOGIES. CONTACT RON ROBINETTE 800-247-0880

GENERAL NOTES:

- 1. COATING SHALL BE AS SCHEDULED IN TABLE BELOW.
- 2. ALL LOCATIONS WHERE GRAVITY PIPES ENTER OR LEAVE THE WET WELL SHALL BE MADE TERTIGHT WITH AN APPROVED BOOT
- 3. ALL LOCATIONS WHERE PRESSURE PIPES ENTER THE WET WELL SHALL BE MADE WATERTIGHT WITH A WALL SLEEVE AND SEAL.
- 4. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN THE WET WELL.
- 5. WET WELL COVERS SHALL BE ALUMINUM WITH 316 STAINLESS STEEL HARDWARE WITH LOCK BRACKET.
- 6. ALL HARDWARE IN WET WELL SHALL BE 316 STAINLESS STEEL.
- 7. PUMP SUBMERGENCE REQUIREMENTS SHALL BE MET AS MINIMUM.
- 8 ALL CONNECTIONS IN THE WET WELL SHALL BE FLANGED JOINTS ALL REMAINING CONNECTIONS BETWEEN THE WET WELL STALE DE L'ENGED SONNE. ALL REMAINING CONNECTIONS BETWEEN THE WET WELL AND THE CONNECTION TO THE FORCE MAIN SHALL BE RESTRAINED MECHANICAL JOINTS.
- 9. CHECK VALVE ARM SHALL BE LOCATED WITH THE SAME ORIENTATION (i.e. ALL ARMS ON THE LEFT SIDE OF VALVE).

F	PUMP STATION COATING SCHEDU	JLE
AREA	APPLICABLE COATING	NOTES
Outside of Wet Well	"Surface Coatings - Exterior"	Conceal: CS-S5
Inside of Wet Well	"Wet Well Lining Systems"	Supercoat PG or approved equal
Fillet and Bottom of Wet Well	100% solids Epoxy as per lining manufacturer's recommendation	Manufacturer warrants performance of liner
Wet Well Piping	"Ductile Iron Pipe Coating and Lining (for use in Pump Station Wet Wells)	Protecto 401 Ceramic Epoxy
Exposed Metal Except Stainless Steel and Aluminum	"Painting Finish Aerial Piping (Field Primer) and Painting Finish (Exterior)"	Tnemac: 37-77 H Chem-Primer Tnemac: Gloss 2H Finish

PUMP STATION GENERAL NOTES



CHECK VALVE

W/LEVER AND

RESTRAINED MJ SLEEVE

(TYP)

1. IF PV=4 IN, LEVER OPERATED: IF PV>4 IN, WHEEL OPERATED. 2.SEE FIGURE A402 FOR DESCRIPTIONS OF DIMENSION SYMBOLS

PUMP DATA WETWELL INSIDE DIA. 8'0" FLYGT SUBMERSIBLE PUMPS MODEL NUMBER NP3153.181 IMPELLER 253 HORSE POWER 15 G.P.M<u>.</u> 294 T.D.H<u>.</u> 87.0 ELECTRICAL REQUIREMENTS 230 V 3 PHASE NOTE: ELECTRICAL REQUIREMENT TO BE VERIFIED BY CONTRACTOR.

NOTE 1 PER PUMP MANUFACTURER'S REQUIREMENTS

DESCRIPTION THICKNESS OF WALL

DIAMETER OF WET WELL

WIDTH OF BOTTOM FILLI

LENGTH OF PUMP ACCE

WIDTH OF PUMP ACCES

BASE ELBOW TO EDGE (

VALVE BOX HATCH OPER

VALVE BOX HATCH OPER

C/L TO C/L OF PUMPS

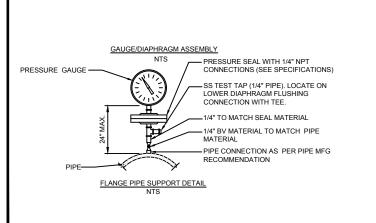
PLIMP DATA WETWELL INSIDE DIA, 8'0" ____ SUBMERSIBLE PUMPS FLYGT MODEL NUMBER CP3152.181 IMPELLER 265 HORSE POWER 15 G.P.M. 326 T.D.H. 94.0 ELECTRICAL REQUIREMENTS 480 V 3 PHASE

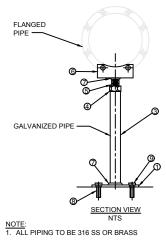
NOTE: ELECTRICAL REQUIREMENT TO BE VERIFIED BY CONTRACTOR.

NOTE

	DESCRIPTION
	THICKNESS OF WALL
	DIAMETER OF WET WELL
	WIDTH OF BOTTOM FILLE
	C/L TO C/L OF PUMPS
	LENGTH OF PUMP ACCES
PUMP DATA	WIDTH OF PUMP ACCESS
WETWELL INSIDE DIA. 8'0"	BASE ELBOW TO EDGE O
FLYGT SUBMERSIBLE PUMPS	VALVE BOX HATCH OPEN
MODEL NUMBER NP3102	VALVE BOX HATCH OPEN
IMPELLER 135	TOP OF WET WELL
HORSE POWER 6.5	FINISHED GRADE
G.P.M. 200 T.D.H. 65.0	HIGH LEVEL ALARM
ELECTRICAL REQUIREMENTS 230 V	LAG PUMP ON
3 PHASE *	LEAD PUMP ON
STHREE	PUMPS OFF (TOP OF PUM
NOTE: ELECTRICAL REQUIREMENT TO BE VERIFIED BY CONTRACTOR.	FLOOR OF WET WELL
BE VERIFIED BY CONTRACTOR.	

NOTE 1. PER PUMP MANUFACTURER'S REQUIREMENTS





WALL SLEEVE AND COMPRESSION SEAL (TYP)

PVC

PIPE

OUTLINE O ACCESS

OPENING

NOTES:

HOLDER

INFLUENT-



LEGEND 1. BASE 2. MOUNTING HOLE (4-TYP) 3. SUPPORT COLUMN 4. HEIGHT ADJUSTMENT NUT 5. SUPPORT SHAFT - THREADED 6. PIPE SUPPORT FLANGE 7. WELD 8. ANCHOR (4-TYP) 9. LAG BOLT (4-TYP)

(TYP)

-PLUG VALVE

(SEE NOTE 1

SPOOL PIECE

PUMP DAT
WETWELL INSIDE DIA.
FLYGT SUBME
MODEL NUMBER N
IMPELLER 135
HORSE POWER 6.5
G.P.M <u>.</u> 200 T.
ELECTRICAL REQUIR

TOP OF WET WELL FINISHED GRADE HIGH LEVEL ALARM LAG PUMP ON LEAD PUMP ON PUMPS OFF (TOP OF PUI FLOOR OF WET WELL



DESCRIPTION

THICKNESS OF WALL DIAMETER OF WET WELL

WIDTH OF BOTTOM FILLE

C/L TO C/L OF PUMPS

LENGTH OF PUMP ACCE

WIDTH OF PUMP ACCES

BASE ELBOW TO EDGE O

VALVE BOX HATCH OPER

VALVE BOX HATCH OPEN

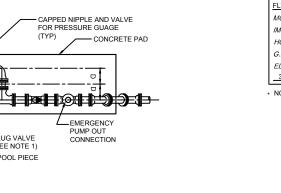
TOP OF WET WELL

HIGH LEVEL ALARM

PUMPS OFF (TOP OF PUN FLOOR OF WET WELL

FINISHED GRADE

LAG PUMP ON LEAD PUMP ON



DUPLEX PUMP STATION PLAN

FIGURE A404-2

_ * N

LIFT STATION #3

2. ELEVEVATION X - ELEVATION Z ≥ 5 FEET MINIMUM 3. TOP ELEVATION OF WET WELL SHALL BE A MINIMUM OF 1' ABOVE THE 100 YEAR FLOOD ELEVATION AND THE ELEVATION OF THE CROWN OF THE ROAD.

	A	8"	-
L	В	8'	_
ET	С	SEE NOTE 1	-
	D	SEE NOTE 1	-
ESS OPENING	E	SEE NOTE 1	_
SS OPENING	F	SEE NOTE 1	-
OF PIT	G	SEE NOTE 1	-
NING	Н	5.0'	-
INING	I	7.0'	-
	Т	-	82.00'
	U	-	81.50'
	V	-	69.00'
	W	-	68.00'
	х	SEE NOTE 2	67.00'
JMP VOLUTE)	Y	-	65.50'
	Z	_	64.00'

SYMBOL DIMENSION ELEVATION

LIFT STATION #2

NOTE: 1. PER PUMP MANUFACTURER'S REQUIREMENTS 2. ELEVEVATION X - ELEVATION Z ≥ 5 FEET MINIMUM 3. TOP ELEVATION OF WET WELL SHALL BE A MINIMUM OF 1' ABOVE THE 100 YEAR FLOOD ELEVATION AND THE ELEVATION OF THE CROWN OF THE ROAD

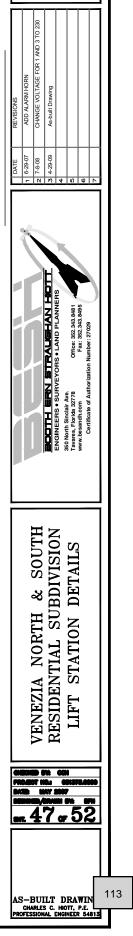
	A	8"	-	
L	В	8'	-	
ET	С	SEE NOTE 1	-	
	D	SEE NOTE 1	-	
SS OPENING	E	SEE NOTE 1	-	
S OPENING	F	SEE NOTE 1	-	
OF PIT	G	SEE NOTE 1	-	
NING	Н	5.0'	-	
NING	I	7.0'	-	
	Т	-	-92.00	82.12'
	U	-	81.50'	
	V	-	61.00'	
	W	-	60.00'	
	х	SEE NOTE 2	59.00'	
MP VOLUTE)	Y	-	55.50'	
	Z	-	-54.00-	54.29'

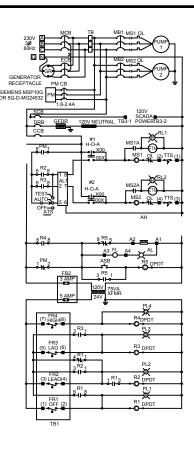
SYMBOL DIMENSION ELEVATION

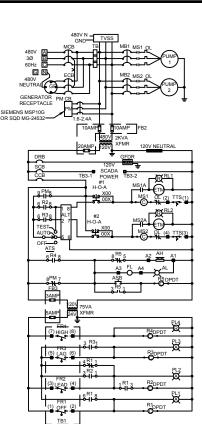
LIFT STATION #1

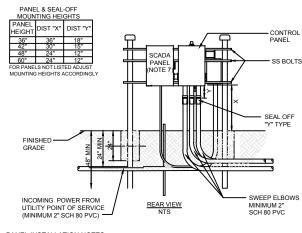
PER POINT MANUFAU TORES & REQUIREMENTS
 ELEVEVATION X > ELEVATION Z ≥ 5 FEET MINIMUM
 TOP ELEVATION OF WET WELL SHALL BE A MINIMUM OF 1' ABOVE THE 100 YEAR FLOOD ELEVATION AND THE ELEVATION OF THE CROWN OF THE ROAD.

	SYMBOL	DIMENSION	ELEVATION	1
	A	8"	-	T
L	В	8'	-	
ET	С	SEE NOTE 1	-	
	D	SEE NOTE 1	- 1	
SS OPENING	E	SEE NOTE 1	-	
S OPENING	F	SEE NOTE 1		
OF PIT	G	SEE NOTE 1		
NING	н	5.0'	- 1	
NING	1	7.0'	-	
	Т	-	-00.00	88.94
	U	-	88.50'	
	V	-	71.00'	
	w	-	70.00'	
	Х	SEE NOTE 2	69.00'	
MP VOLUTE)	Y	-	65.00'	1
	Z	-	-69.59-	63.33



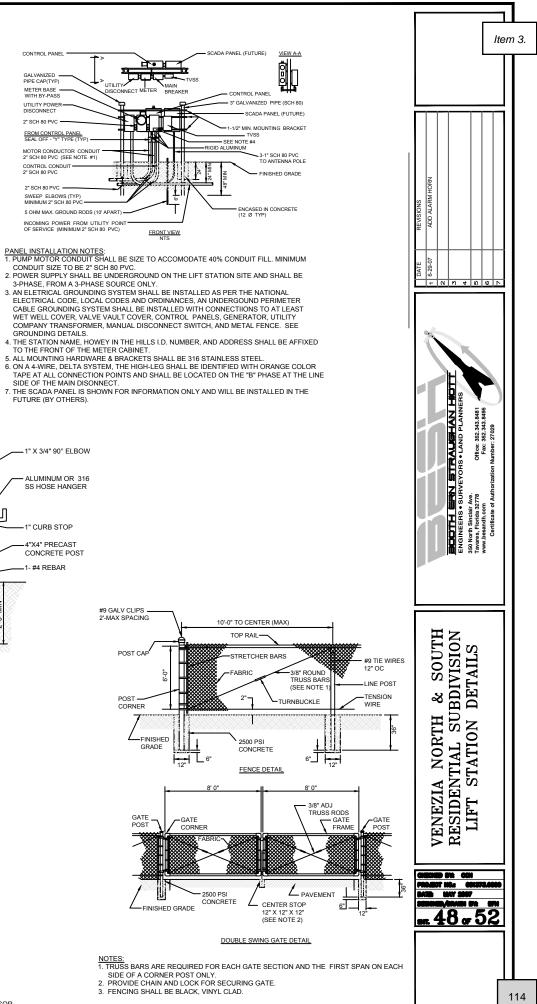




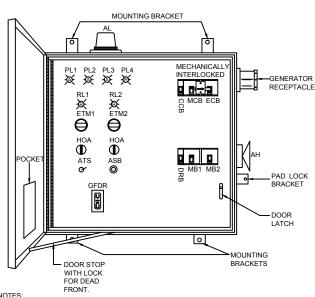


PANEL INSTALLATION NOTES: 1. PUMP MOTOR CONDUIT SHALL BE SIZE TO ACCOMODATE 40% CONDUIT FILL. MINIMUM CONDUIT SIZE TO BE 2" SCH 80 PVC.

- POWER SUPPLY SHALL BE UNDERGROUND ON THE LIFT STATION SITE AND SHALL BE 3-PHASE, FROM A 3-PHASE SOURCE ONLY. AN ELECTRICAL GROUNDING SYSTEM SHALL BE INSTALLED AS PER THE NATIONAL ELECTRICAL CODE, LOCAL CODES AND ORDINANCES. AN UNDERGROUND PERIMETER CABLE GROUNDING SYSTEM SHALL BE INSTALLED WITH CONNECTIONS TO AT LEAST
- WET WELL COVER, VALVE VAULT COVER, CONTROL PANELS, GENERATOR, UTILITY COMPANY TRANSFORMER, MANUAL DISCONNECT SWITCH, AND METAL FENCE. REFER TO GROUNDING DETAILS.
- THE STATION NAME, UTILITIES ID NUMBER, AND ADDRESS SHALL BE AFFIXED TO THE FRONT OF THE METER CABINET.
 ALL MOUNTING HARDWARE AND BRACKETS SHALL BE 316 STAINLESS STEEL.
- 6. ON A 4-WIRE, DELTA SYSTEM, THE HIGH-LEG SHALL BE IDENTIFIED WITH ORANGE COLOR TAPE AT ALL CONNECTION POINTS AND SHALL BE LOCATED ON THE "B" PHASE AT THE LINE SIDE OF THE MAIN DISCONNECT.
- 7. THE SCADA PANEL IS TO SHOWN FOR INFORMATION ONLY AND WILL BE INSTALLED IN THE FUTURE (BY OTHERS).

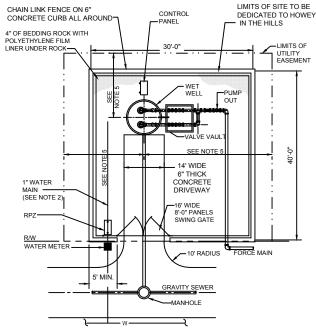


- FUTURE (BY OTHERS)



- NOTES:
- DEADFRONT LAYOUT NEMA TYPE 3R SS ENCLOSURE W/CONTINUOUS HINGE. ALL HARDWARE TYPE 316 SS TYPICAL, ACTUAL LAYOUT MAY VARY WITH HORSEPOWER.
 THIS CONTROL PANEL, INCLUDING THE GENERATOR RECEPTACLE, COMPLIES WITH THE
- TANDARD LIST OF COMPONENTS REQUIRED BY UTILITIES. ALL CONTROL WIRE TO BE #14 AWG MINIMUM. CONTROL PANEL SHALL BE UL LISTED AND LABELED. 30 SPARE TERMINALS (TB2).

- BUSEARE TERMINALS (182).
 PHASE MONITOR CIRCUIT BREAKER TO BE SEIMENS P/N: MSP10G, OR SQ-D P/N: MG24532.



NOTES

1. MINIMUM 20' ACCESS DRIVEWAY FROM EDGE OF PAVEMENT TO THE GATE SHALL BE PROVIDED ON NON-RESIDENTIAL ROADS. SHALL BE PROVIDED ON NON-RESIDENTIAL ROADS. 2.WASHDOWN WATER SOURCE SHALL BE CONNECTED TO THE POTABLE WATER MAIN. 3.ENGINEER SHALL PROVIDE A SCALED (1* = 20 MIN.) SITE SPECIFIC DETAIL. 4.MINIMUM DISTANCE BETWEEN FENCE AND ALL INSTALLED EQUIPMENT SHALL

BE 5. 5.THIS DIMENSION SHALL BE AT LEAST EQUAL TO THE DEPTH OF THE WET WELL WHEN MEASURED FROM THE CENTER OF THE WET WELL.

3/4" BRASS HOSE BIB	1" X 3/4" 90° ELBOW
	ALUMINUM OR 316 SS HOSE HANGER
ECURE TO POST WITH 316 SS STRAPS	1° CURB STOP 4°X4° PRECAST CONCRETE POST
1" SCH 80 PVC PIPE	1- #4 REBAR
18. MIN	NWN-0-22
PVC TO BRASS 90° ELBOW	

LIFT STATION POTABLE WATER SERVICE

AL

FB

FL

FR

OL PL

PM

R

RL

LEGEND AH _ ALARM HORN _ ALARM LIGHT ASB _ ALARM SILENCE BUTTON ATS _ ALTERNATOR TEST SWITCH CCB _ CONTROL CIRCUIT BREAKER DPDT _ DOUBLE POLE DOUBLE THROW DRB _ DUPLEX RECEPTACLE BREAKER ECB EMERGENCY CIRCUIT BREAKER ETM _ ELAPSED TIME METER _ FUSE _ FUSE BLOCK _ FLASHER _ FLOAT REGULATOR GFDR _ GROUND FAULT DUPLEX RECEPTACLE GR _ GENERATOR RECEPTACLE HOA _ HAND-OFF-AUTO SELECTOR SWITCH MB _ MOTOR BREAKER MCB _ MAIN CIRCUIT BREAKER MS _ MOTOR STARTER _ OVERLOAD _ PILOT LIGHT _ PHASE MONITOR _ RELAY _ RUNNING LIGHT SCB _ SCADA CIRCUIT BREAKER TB _ TERMINAL BLOCK

TTS _ THERMAL TERMINAL STRIP

TVSS _ TRANSIENT VOLTAGE SURGE SUPPRESOR

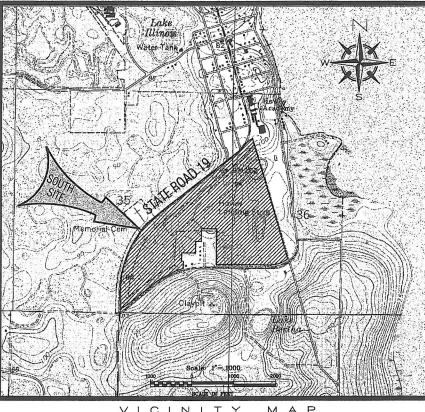
- XEMR TRANSFORMER

CHARLES C. HIOTT, P.E.

CONSTRUCTION PLANS FOR **Venezia South Subdivision**

Section 35 & 36, Township 22 South, Range 25 East Town of Howey in the Hills, Lake County, Florida

WAIVER REQUEST REQUEST WAIVER FOR LENGTH OF CUL - DE- SACs TERRACOTTA TERRACE TO BE 1410' LF CALABRIA WAY TO BE 1088' LF INSTEAD OF THE REQUIRED 600' LF



VICINITY

OWNER:

FRED BENNETT LYKES BROTHERS, INC. 400 NORTH TAMPA STREET TAMPA, FLORIDA 33601 (813) 470-5509 (813) 470-5020 FAX

DEVELOPER:

FLAGSHIP HARB, LLC 916 HIGHLAND AVENUE ORLANDO, FLORIDA 32803 (407) 246-1144 (407) 246-1155 FAX CONTACT: TED BOLIN

LEGAL DESCRIPTION

ENGINEER:

(352) 343-8481

350 NORTH SINCLAIR AVENUE

CONTACT: CHARLES HIOTT, P.E.

TAVARES, FLORIDA-32778

BOOTH, ERN, STRAUGHAN & HIOTT, INC.

ENCE 389*50'24 W. A DISTANCE DE 232 87 EEET TO THE POINT OF REGIMAN

SHEET INDEX

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Cover Sheet Aerial Overlav Master Site Plan Sheet A Master Site Plan Sheet B Boundary & Topographic Survey Boundary & Topographic Survey Boundary & Topographic Survey Land Use Summary Sheet A Land Use Summary Sheet B Utility Plan Sheet A Utility Plan Sheet B Grading Plan Sheet A Grading Plan Sheet B Intersection Details Sheet A Intersection Details Sheet B Erosion Control/S.W.P.P.P. Sheet A Erosion Control/S.W.P.P.P. Sheet B Drainage Plan Sheet A Drainage Plan Sheet B Venezia Boulevard (Sta. 100+00 to 113+50) Plan & Profile Venezia Boulevard (Sta. 113+50 to 119+36.07) Plan & Profile Bellissimo Place (Sta. 200+00 to 214+50) Plan & Profile Bellissimo Place (Sta.214+50 to 226+50) Plan & Profile Bellissimo Place (Sta. 226+50 to 232+21.41) Plan & Profile Napoli Way Plan & Profile Terracotta Terrace Plan & Profile Messina Place (Sta. 500+00 to 510+00) Plan & Profile Messina Place (Sta. 510+00 to 519+00) Plan & Profile Calabria Way Plan & Profile FINA MITTED **Tree Location Plan** ALAL'S Drainage Cross-Sections DATE 12-05-07 Sanitary Sewer Details Lift Station Details * See Revised Sheet Potable Water Details Revol 10-31-RECEIVED **Reclaimed Water Details** JUN 2 9 200 JUN 2 9 2007 Paving & Drainage Details PDS **General Project Details** STATE OF FLORIDA CERTIFICATION OF AUTHORIZATION NO. 27029

UTILITY CONSTRUCTION NOTES (DEP)

2-555.314 Location of Public Water System Maine: For the purpose of this section, the phrase "Water Mains" shall mean Maine, including Treatment Plant process piping, conveying ther raw, partially treated, or finished drinking water; Fire Hydramizeds; and service lines that are under the control of a Public Water System and that have an inside tables or greater. Tion Between Underground Water Mains and Sanitary or Storm Sowers, Wastewater or Storm water Force Mains, Reclaimed Water Pipelines, and On-site Sewage

Tal departion fetteres Underground Fatr Mains and Gastity of store Gaster, manufactor of cause the store target of the MATR MAIN and Gastity of store Sater, gastered of cause of the store at the store of the MATR MAIN and the orticle of proposed Store Sover, Store water Force stars, or pipeline converging reclaims water regulated under Part III of Chapter 42-868, F.A.C. For proposed Store Sover, Store water Force stars, or pipeline converging reclaims water regulated under Part III of Chapter 42-868, F.A.C. The store of the store water Force stars, or pipeline converging reclaims water regulated under Part III of Chapter 42-868, F.A.C. The store of the store water Force stars, or pipeline converging reclaims water the store of the s stance of at Lesst (3) Three fest between the outside of the WATER MAIN and the outside of Ined water regulated under Part III of Chapter 62-500, F.A.C. stance of wit least (3) three fest, and preferably (10) Tar Meet, between the outside of the

pipeline. Detect, Uberground MATER MAINS crossing any existing or proposed pressure-type samilary sever, wastewater or stormarter Force Main, or Pipeline conveying mail be lid to the outside of the WATER WAIN is at least (12) inches ABOWE or BELOW the Outside of the other pipeline. However, it is preferable to lay the WATER

ar plating. The presence described in paragraphs (a) 4 (b) Above, one tall length of mater min Pipe shall be centered above or beach to make pipeling as the MUTD MUT for easing described in paragraphs (a) 4 (b) Above, one tall length of mater mini pipe shall be arranged to require a start mater share a take (a) Three feet for a possible from the other pipeline. Alternatively, at such descript, the pipes shall be arranged to require a start mater share a start bear (a) the start bear (a) the start for a possible from the other pipeline. Alternatively, at such descript, the pipes shall be arranged to require a start bear (a) the start bear of the start bear (a) the start bear of the start

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All ester min pips, including fittings, installed on or ster August 28, 2003, except pips installed under a construction parelt for which the Department received scalars exploration before August 28, 2003, shall be color coded or marked using bias as a presentant color to differentiate disking water from reliabled or or restor. Noder ground plattic pips mail be policicall bine pips, while here a constructed bias external to the pipe and the pipe. The pipe form and the pipe fo

GENERAL WATER NOTES

GREEDAL WATCH NOTES 1. There represented by introduced in strict accordance with all local nodes and repulsions, classed, disinfected and basteriologically classed for service in 1. There representes with the later and representes the service page stars for the page wall be ANNE C-055, DM 15. All complians, classed, disinfected and basteriologically classed for service in 2. All pitch walls about the were seal for foctable REV. 3. Basterio and the second service in the second service page and the page another the representation of the second second service in 4. Basterio and the second second second service page and the page another the representation of the second se

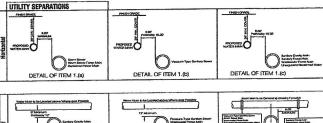
SANITARY PIPE CHART

		DITT'	A LAA						
ſ	MANHOLE ID	STATION	RIM	INV	TO	INV	PIPE	LENGTH	SLOPE
ļ	LS1 MH #22	215+43.02	101.05	97.05	MH #21	96.07	8" SDR35	128UF	0.76%
	LS1 HH #21	214+13.12	100.07	95.97	MH #20	94.54	8" SDR-35	99LF	1.44%
	LS1 MH #20	213+10.52	98.54	94.44	MH #19	85.64	8" SDR-35	344LF	2.25%
	LS1 MH #19	209+64.65	90.66	85.54	MH #15	84.35	8" SDR-35	298LF	0.40%
	LS1 MH #18	302+22.76	87,52	83.32	MH #17	81.64	8" SDR-35	220LF	0.76%
	LS1 HH #17	201+11.90 300+00.00	85.64	81.54	MH #16	79.94	8" SDR35	400LF	0.40%
	LS1 MH #16	205+14.51	92.64	79.84	MH #15	79.27	8" SDR35	143LF	0.40%
	LS1 MH #15	205+54.40	93.88	79.17	MH #9	77.98	8" SDR35	298LF	0.40%
	LS1 MH #14	512+22.76	100.83	96.73	MH #13	95.42	8" 50R-35	212LF	0.62%
	LS1 MH #13	510+08.06	89.42	95.32	MH #12	93.68	6" SDR-35	166LF	0.99%
	LS1 MH #12	508+38.62	97.68	93.58	MH #11	92.30	8" 50R-35	132LF	0.97%
	LSI MH #11	507+04.47	95.30	92.20	MH #10	88.49	8" SDR-35	368LF	1.01%
	LS1 MH #10	503+34.27	92.49	88.39	ын фа	75.98	8" SDR-35	331LF	2.84%
	151 WH #9	403+01.75	89.07	77.88	MH #8	75,89	6" SDR35	247LF	0.40%
	LS1 MH 48	405+50.76	90.69	76.79	MH #7	76.30	5" SDR-35	123LF	0.40%
	LS1 MH Ø7	406+62.39	91.02	76.20	MH #6	75.59	8" SDR-35	153LF	0.40%
	LSI WH #6	408+37.59	89.85	75.49	MH #5	73.93	8" SDR-35	390LF	0.40%
1	LS1 MH #5	412+30.40	90.18	73.83	MH #4	73.27	8" SDR-35	140LF	0.40%
	LS1 MH #4	413+74.13	88.35	73.17	MH #3	72.83	8" SDR35	86LF	0.40%
	LS1 WH #3		XX	72.73	MH #2	71.92	8" SDR-35	2021.F	0.40%
	LS1 MH #2		XX	71.52	MH ∯1	71.68	8" SDR-35	34LF	0.40%
	LS1 MH #1		XX	71.58	LS	71.54	8" SDR-35	11LF	0.40%

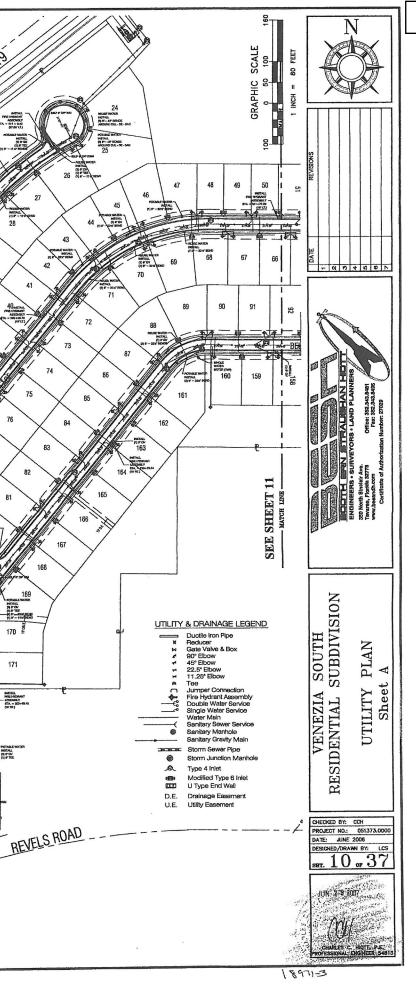
MANHOLE ID	STATION	RIM	INV	TO	INV	PIPE	LENGTH	SLOPE
L52 MH #28	234+30.58	83.39	78.39	MH #25	77.51	8" SDR35	221LF	0.40%
LS2 MH #25	232+17.65	82.42	75.57	MH #24	74.46	8" SOR-35	27815	0.40%
LS2 MH #24	229+35.28	83.47	74.36	MH #19	73.34	8" SDR-35	255LF	0.40%
LS2 MH #23	610+77.23	85.89	81.89	MH #22	81.23	8" SDR-35	166LF	0,40%
LS2 MH #22	609+07.66	87.77	81.13	MH #21	79.88	8" SOR-35	313LF	0.40%
L52 MH #21	605+90.45	89.31	79.78	MH #20	78.59	8" SDR-35	298LF	0.40%
LS2 MH #20	602+88.20	86.92	78.49	MH #19	77.35	8" SDR-35	285LF	0.40%
LS2 MH #19	226+74.97	83.80	73.24	MH #13	72.57	8" SDR35	168LF	0.40%
LS2 MH #18	217+40.71	100.51	96.51	MH #17	95.20	8" SDR-35	104LF	1.25%
LS2 MH #17	218+46.58	99.20	95.10	MH #16	93.59	8" SDR-35	85LF	1.78%
LS2 WH #15	219+36.42	97.59	93.49	MH #15	87.55	8" SDR-35	321LF	1.85%
LS2 MH #15	222+59.89	91,55	87.45	MH #14	86.08	8" 508-35	76LF	1.80%
LS2 MH #14	223+38.77	90.08	85.98	MH #13	79.50	8" SDR-35	162LF	4.00%
152 MH #13	225+03.90	87.00	72.47	MH #12	70.90	8" SDR-35	393LF	0.40%
LS2 MH #12	115+40.97	94.00	70.80		69.81	8" SDR-35	248LF	0.40%
LS2 MH #11	112+90.97	90.26	69.71	WH #8	68.69	8" SDR35	240LF	0.40%
LS2 MH #10	513+75.47	100.15	95.16	MH #9	94.85	8" SDR-35	103LF	1.26%
LS2 MH #9	514+80.65	\$8.86	94.76	MH 48	80.00	8" SDR-35	390LF	4.01%
LS2 MH 48	518+49.57	91.39	68.59	MH 67	67.30	8" SDR-35	3221F	0.40%
152 MH #7	110+40.66	98.65	67.20	MH #6	66.28	8" SDR-35	231LF	0.40%
LS2 11H #6	104+86.40	100.35	55.18	MH #5	65.44	8" 508-35	186LF	0.40%
152 111 45			65.34	MH #4	64.25	8" SDR-35	2721F	0.40%
LS2 WH #4		XX	64.15	14H #3	63.34	6" SDR-35	203LF	0.40%
LS2 MH #3		XX		MH #2	62.49		187LF	0.40%
LSZ MH #3			63.24	LS NH #2	61.72	8" SDR-35	154LF	0.40%
L52 dH #2		XX	62.39		01.72	8- 50R-35		1

GENERAL NOTES

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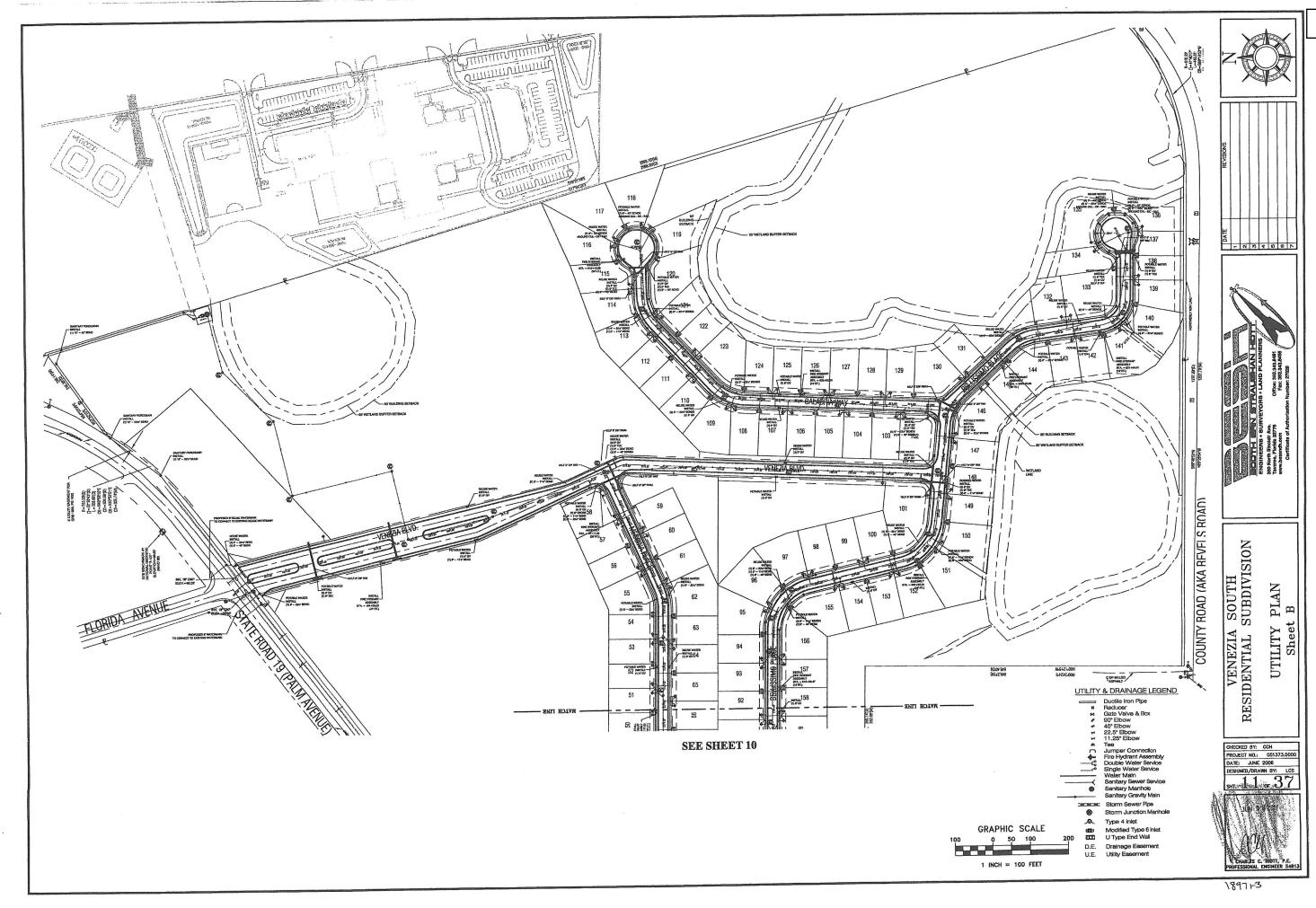
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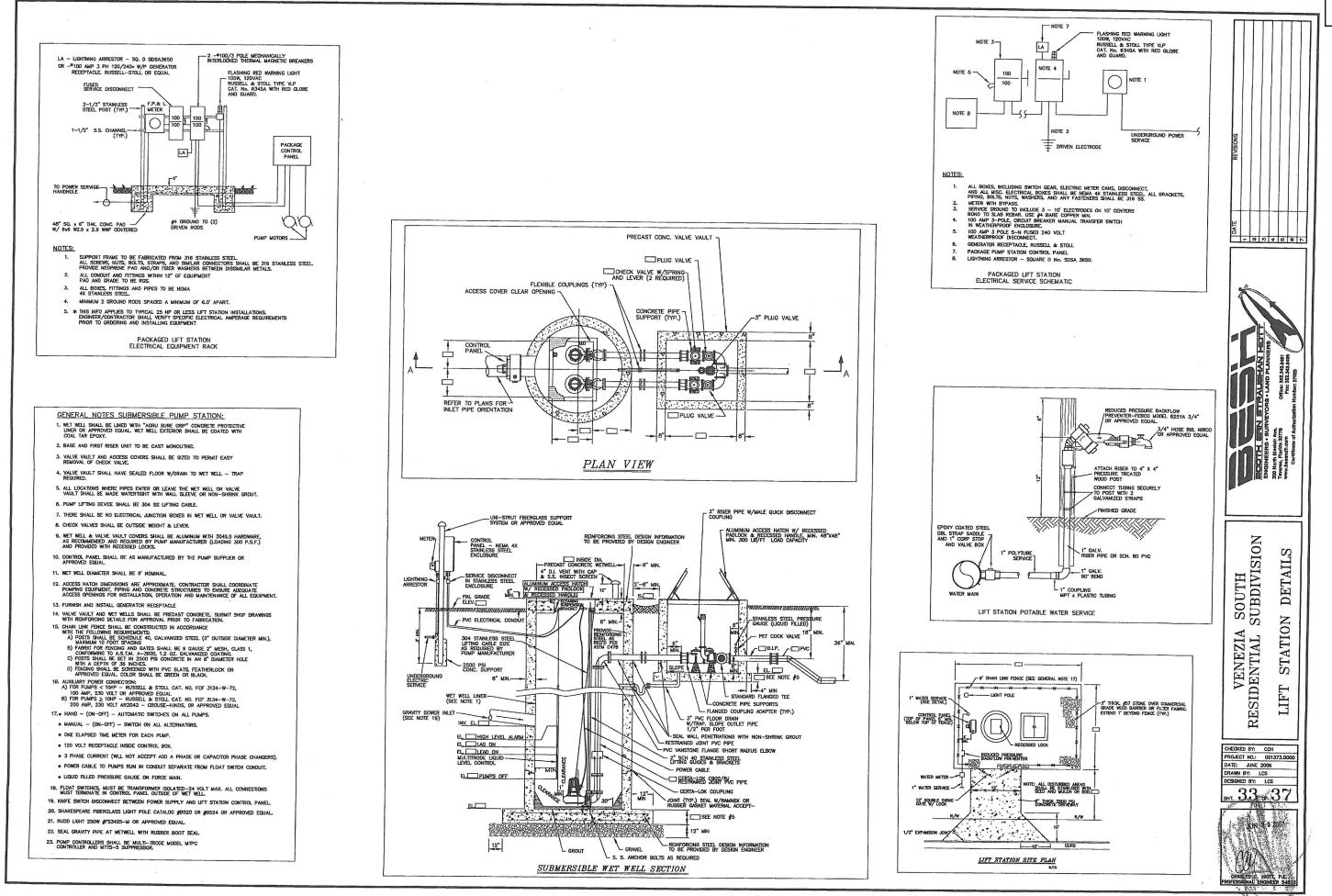
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Item 3.

18971-3



OWNER:

FRED BENNETT LYKES BROTHERS, INC. 400 NORTH TAMPA STREET TAMPA, FLORIDA 33601 (813) 470-5509 (813) 470-5020 FAX

DEVELOPER:

FLAGSHIP HARB, LLC 916 HIGHLAND AVENUE ORLANDO, FLORIDA 32803 (407) 246-1144 (407) 246-1155 FAX CONTACT: TED BOLIN

ENGINEER:

BOOTH, ERN, STRAUGHAN & HIOTT, INC. **350 NORTH SINCLAIR AVENUE** TAVARES, FLORIDA-32778 (352) 343-8481 CONTACT: CHARLES HIOTT, P.E

LEGAL DESCRIPTION

NORTH PARCEL A PARCEL OF LAND BEING A PORTION OF "GROVE GARDENS" (PLAT BOOK 17. PAGE 2) AND "HOWIE-IN-THE-HILLS" (AN UNRECORDED PLAT DESCRIBED AS FOLLOWS:

SAID RIGHT OF WAY S17°02'44"E. A DISTANCE OF 300.03 FEET: THENCE DEPART SAID RIGHT OF WAY S72°56'00"W. A DISTANCE OF 149.83 FEET: THENCE S17°02'42"E. A DISTANCE OF 164.96 FEET: THENCE N90°00'00 W. A DISTANCE OF 835.94 FEET TO A POINT ON THE WEST BOUNDARY OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 35; THENCE ALONG SAID SECTION BOUNDARY NO0°19'41"W, A DISTANCE OF 404.92 FEET; THENCE DEPARTING SAID SECTION BOUNDARY S FEET; THENCE N45°09'29"W, A DISTANCE OF 468.37 FEET; THENCE N00°06'38"W. A DISTANCE OF 331.44 FEET; T

CONSTRUCTION PLANS FOR Venezia North Subdivision Section 35 & 36, Township 22 South, Range 25 East Town of Howey in the Hills, Lake County, Florida



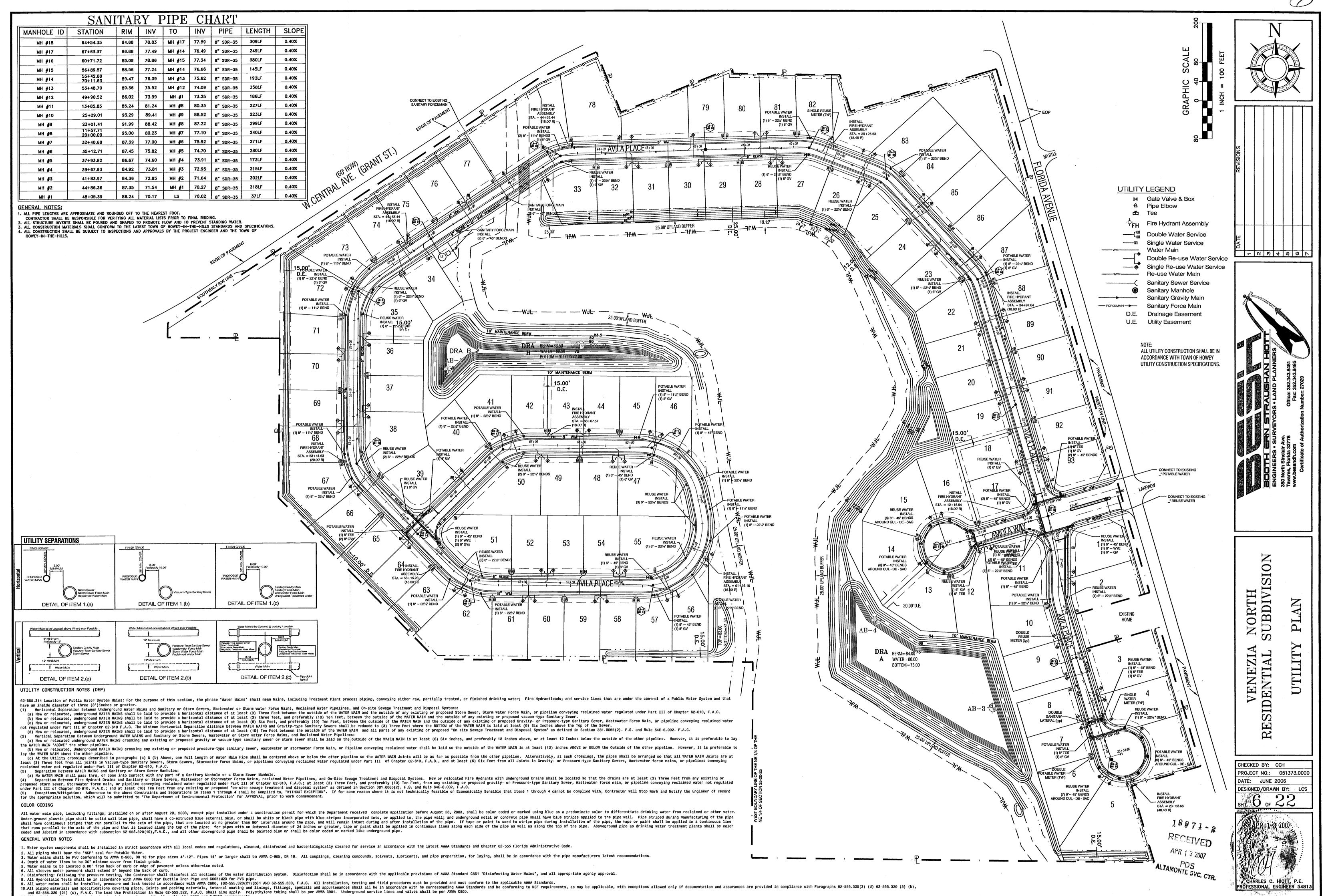
SHEET INDEX

- **Cover Sheet**
- Aerial Overlay 2
- Master Site Plan
- **Boundary & Topographic Survey**
- Land Use Summary 5
- Utility Plan
- **Grading Plan**
- Intersection Details
- Erosion Control/S.W.P.P.P.
- 10. Drainage Plan
- Amola Way Plan & Profile
- Avila Place Cul-de-Sac Plan & Profile 12.
- Avila Place (Sta. 30+00 to 42+50) Plan & Profile
- Avila Place (Sta.42+50 to 56+50) Plan & Profile
- 15. Avila Place (Sta. 56+50 to 70+11.63) Plan & Profile
- 16. Drainage Cross-Sections
- Sanitary Sewer Details 17.
- 18. Lift Station Details
- **Potable Water Details** 19.
- **Reclaimed Water Details** 20.
- 21. Paving & Drainage Details
- 22. **General Project Details**

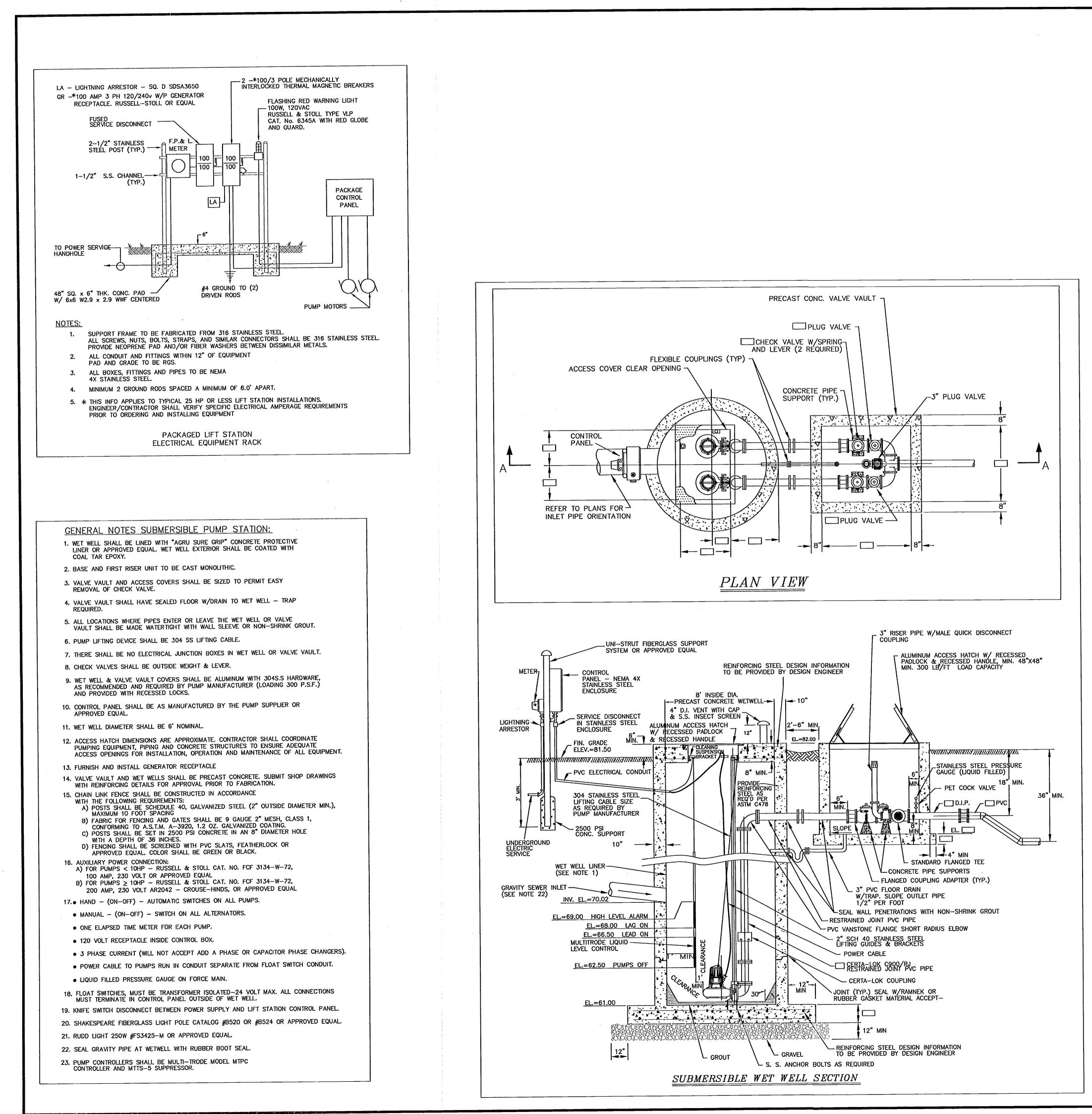
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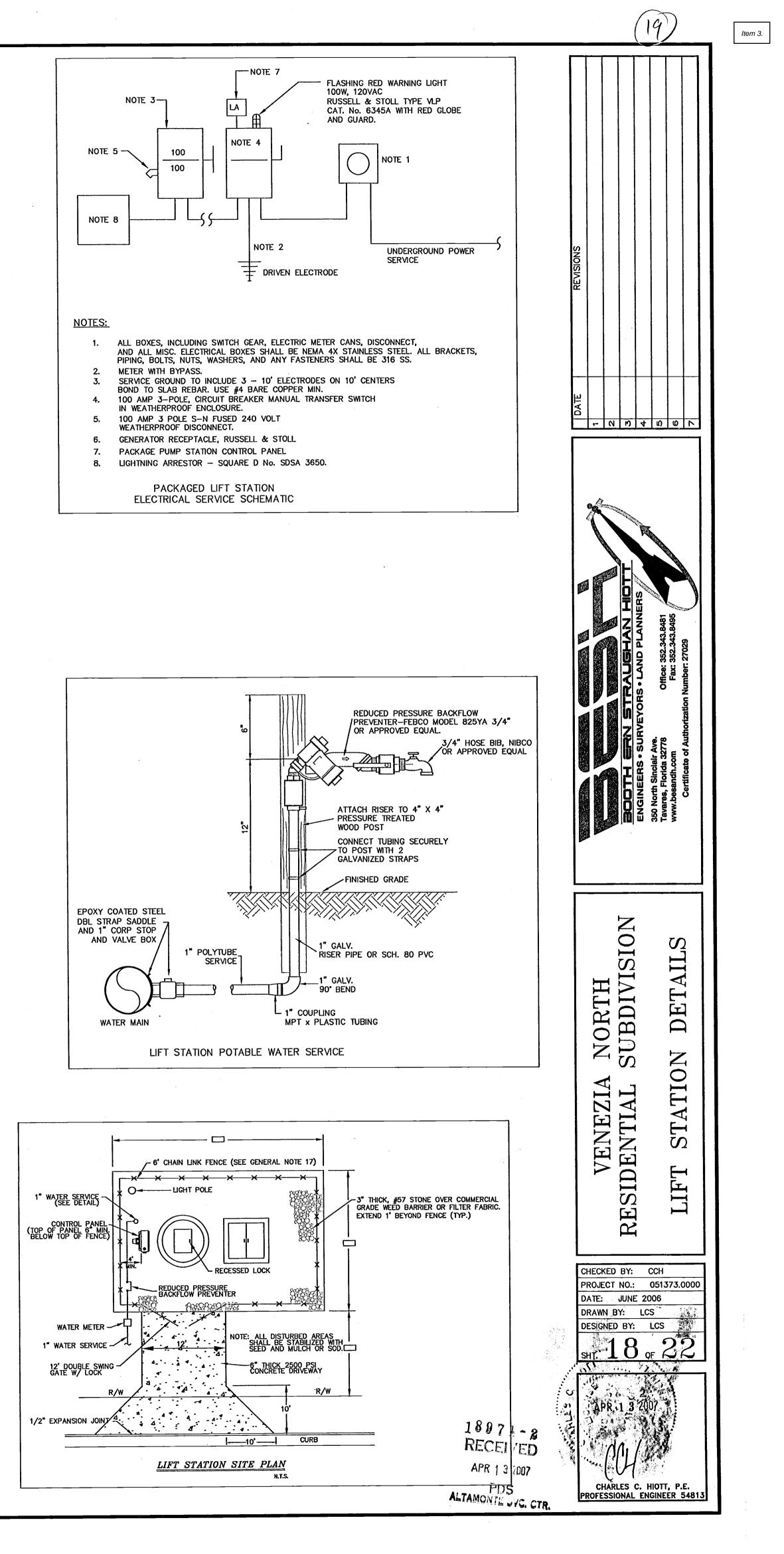
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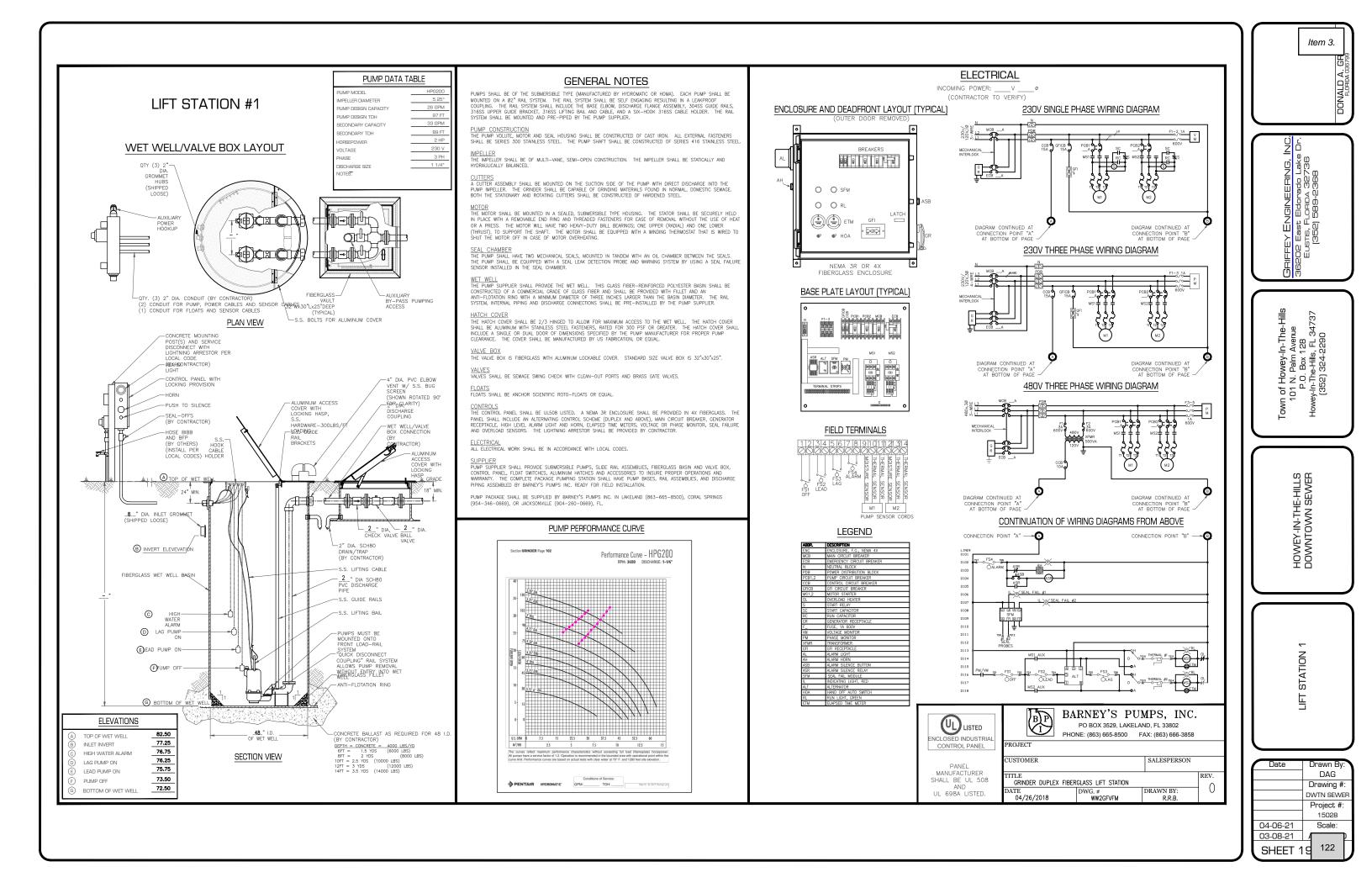
STATE OF FLORIDA CERTIFICATION OF AUTHORIZATION NO. 27029

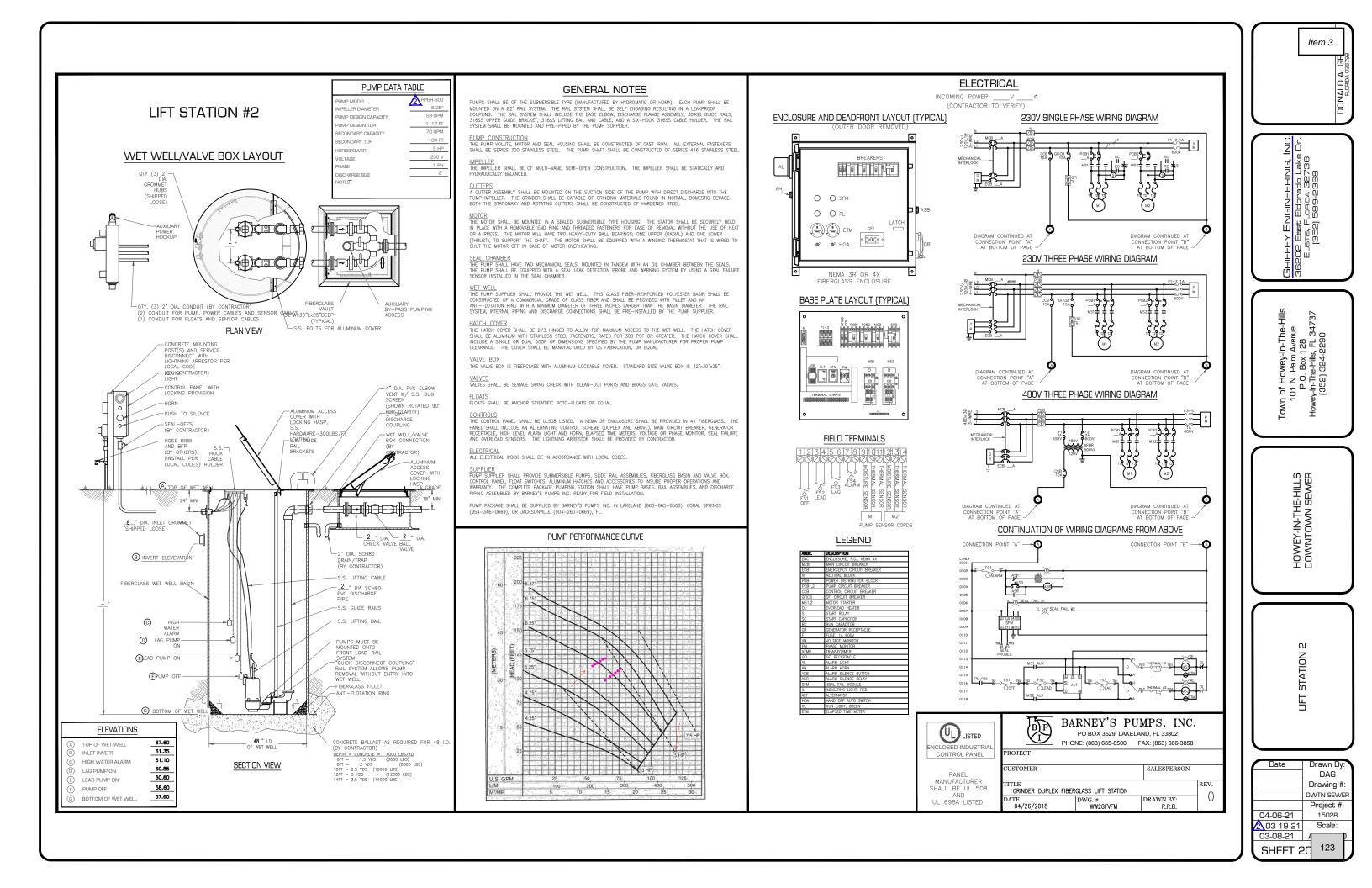


10.All piping materials and specifications covering pipes, joints and packing materials, internal coating and linings, fittings, specials and appurtenances shall all be in accordance with he corresponding AWWA Standards and be conforming to NSF requirements, as may be applicable, with exceptions allowed only if documentation and assurances are provided in compliance with Paragraphs 62-555.320(3) (d) 62-555.320 (3) (b), and 62-555.320 (21) (c), F.A.C. The Lead Use Prohibition in Rule 62-555.322, F.A.C. shall all be per AWWA C901. Underground service lines and valves shall be per AWWA C901. 11.All existing wells on site to be abandoned in accordance with all applicable FDEP and SJRWMD requirements.









LOCALIQ FLORIDA

Account Number:	532726
	362726
Customer Name:	Town Of Howie In The Hills
Customer Address:	Town Of Howey-In-The-Hills 101 N Palm AVE Howey In The Hills FL 34737-3418
Contact Name:	John Brock
Contact Phone:	352-324-2290
Contact Email:	jbrock@howey.org
PO Number:	

Print

Product	#Insertions	Start - End	Category
LEE Daily Commercial	1	11/04/2022 - 11/04/2022	Govt Public Notices
LEE dailycommercial.com	1	11/04/2022 - 11/04/2022	Govt Public Notices

Date:	11/01/2022
Order Number:	8008387
Prepayment Amount:	\$ 0.00

Column Count:	1.0000
Line Count:	72.0000
Height in Inches:	0.0000

Page 1 of NOTICE OF TOWN OF HILL ltem 3. RINGS HE-02∠ THL THE-NINC 'NG N 2-01 HE e AN O OF FLOR LANE NANC THE PROF RESE anc NO ORDI TOWN HILLS, TO ORDI-NG TO NG TO N THE THE CE NE P J , 5E; 021-בי _י עו HILLS OF AMEI AND AGRE ED V)F 'E \ `H T NT AT SER LS T Ì UIREN ION O D; RA IG THE ANCT ۱ ۲ ۲ CONSTI SOUTH CONFIF OF OF AMENE SEVER AND AN The Tov Howey-i and fina 10 IS 'n AU DR FS, P TY EC Ĩ , TIVE Unci Hills own -in-the nal pi 2022-0 M cil for Co he-l lin. lic n l hol and nar at as All Tov Ave NO h near ti I e Consider vill be held North Pa Hills, Florid f approval zoning will ings 1(in-tl m owe, condi of the e by nuire NOTE: A conditio granted) of the PU compliance by the with the requireme "Developer's Agree All parties in inte for or against the nance shall have be heard at said Copies of Ordinance proposed Develop are available in Office. 101 N. Palr the-Hills, FL 347. during normal bi Mon-Thurs 8 a.n. e, la. (if be per ΰ the develop sons ordi-ly to ings. d its ant ed un s rti sed of tunity hearin 9 and ve c. aid public ance 2022-(eloper's in the To ent rks -in-·e gr eı le יר 1., ד ר וו /-. tio 0 I 37 for usines ori s :e of In th n. – J ne Amer the Am (ADA) accomn hould east 48 h compl Disab vho for the tie any e needs this Town the m Perso spe ic nod i etii ting ar o ar me of t

ing show k at least 48 h. g. re advised that if the papeal any decision made eating, they will need a the proceeding, and for oses, they may need to the verbatim record of the 'rence upon which oer Section 'tes. Perso decid at th pose such ensu li proceeding is made v testimony and evidena the appeal is based 286.0105 of the Florida John Brock, Town Cler Town of Howey-in-the-Publish Date: Nov. 4, 2

k Hills

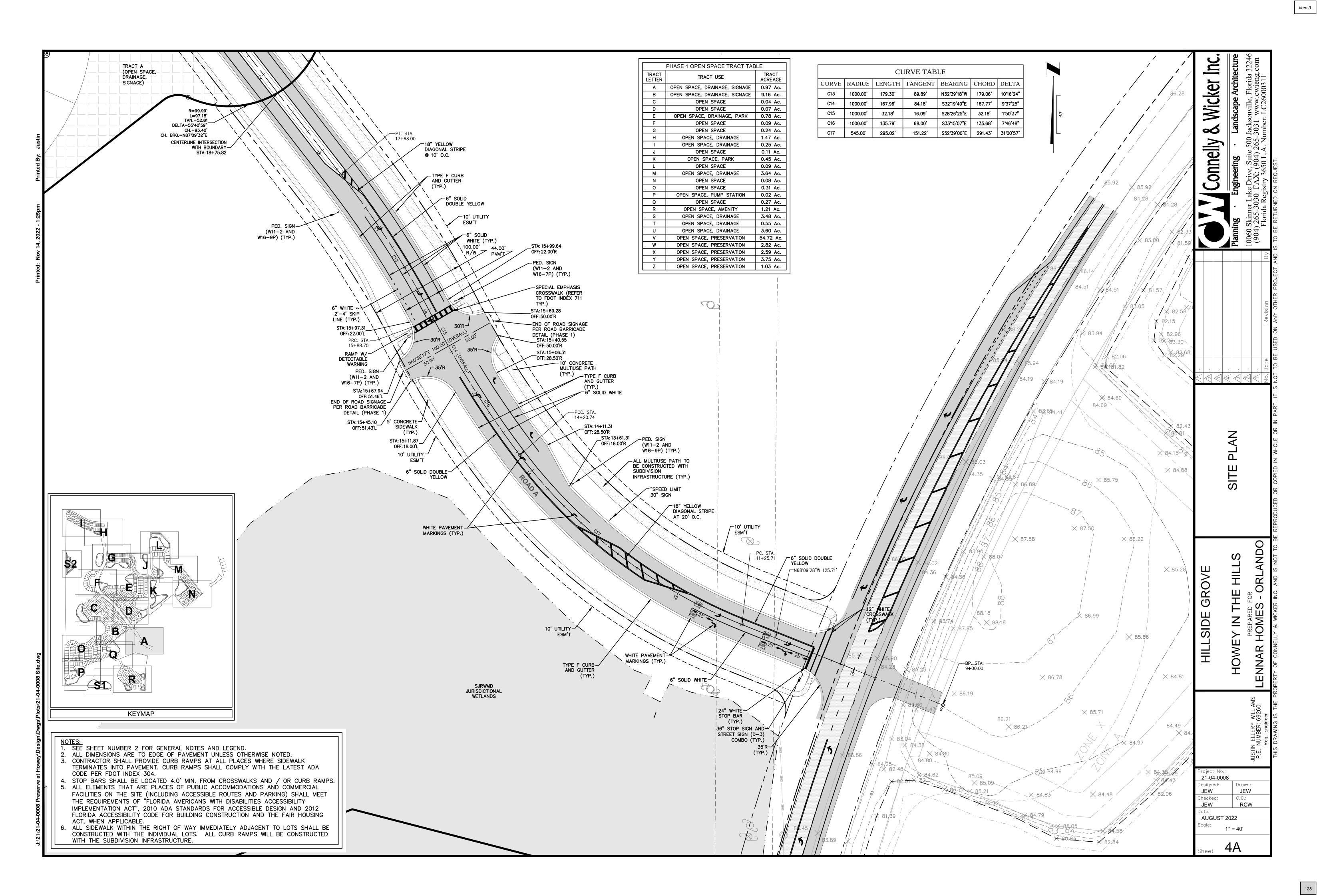
22 008387 11/4/22

2022-A-593-00041 Hillside Groves SR 19 Improvements

fwa

	Comments
:	General Comment - There is a planned RRR project (FPID 432332-1) currently under design along this section of US 19, 60% plans
	are due in October 2022 with letting in October 2023. The Department's PM is Kevin Powell and the consultant is GAI. From the
	concept plans, there do not appear to be any planned improvements within the area of this project other than milling and
	resurfacing but coordination is encouraged.
:	2 Sheet 3 - Please show the design and posted speeds for SR 19 (55 MPH for both) on this sheet. Also, how will the contractor lay ou
	the alignment shown, especially since (from the typical sections) it appears to differ from the center of the existing roadway.
:	Sheet 3 - FPID 424711-1 placed audible/vibratory edge lines, please replace in kind with these improvements. Per RDB 22-04
	(10/26/22) ground-in rumble strips are the preferred method of lane departure warning, please refer to Index 546-020.
4	A Sheet 3 - Please call out the guardrail proposed along the right side of the roadway as TL-3 per Index 536-001. Will the roadway
	widening place any of the overhead electric poles south of the culvert in the clear zone as well, requiring extension of the guardrai provided?
ļ	Sheet 3 - The CRT system is intended to be used with guardrail installed on radial returns per Index 536-001 Sheet 12. The
	appropriate anchor for use in this situation (both ends) is a parallel approach terminal per Index 536-001 Sheet 7.
(Sheet 3 - Please provide a station/offset for the 12' dimension near station 18+10 RT which appears to signify the end of the
	median taper and the beginning of the left turn taper.
-	7 Sheet 3 - Please show left turn control radii at the intersection of SR 19 and the subdivision access road. As currently laid out it
	appears the intersection is more spread out than it should be and could be tightened up.
5	3 Sheet 3 - The crosswalk across the subdivision access road needs to be moved closer to SR 19 to improve sight distance to
	pedestrians using the crosswalk, especially with the NB LT set as far back as currently shown. Please also consider reworking the
	multi-use path ramp on the north side because it directs trail users across SR 19 instead of across the subdivision entrance.
9	9 Sheet 3 - Is the intent to mill & resurface the LT paved shoulder as well? The entire existing roadway should be milled and resurfaced.
10	Sheet 3 - Is the callout '24+89.39/12.83'R' correct? The offset should be 12' R unless the median continues to get wider across the intersection.
1	Sheet 3 - Please make sure both the LT and RT lanes show the correct clearance distance for 55 MPH (L1 - 125') per FDM Exhibit 2:
1.	
12	2 Sheet 5A/5B - Utility work within FDOT R/W will require a Utility Permit as well, assume one has already been applied for.
	Sheet 7 - SR 19 Typical Section, all disturbed areas within FDOT R/W shall be sodded not seeded & mulched. Also, please refer to
	'Optional Base Group' not 'Alternate Base Option' to be consistent with the Standard Specifications.

14	Sheet 7 - Typical roadway cross-sections, please differentiate between widening and milling & resurfacing. As shown the
	implication is that the entire roadway will be reconstructed. Also, assume the intent is to construct the paved shoulders full-depth
	(i.e. same pavement design as the mainline widening).
15	Cross-sections - general comment, is the intent for the cross-slope of the widening to match existing? Otherwise, how is the
	widening cross-slope being set?
16	Sheet 9 - Please review the TTC notes, many of them need to be updated or are not applicable. For example, there are references
	to 'Index 600' and the 'Plans Preparation Manual'. Also, the first couple of notes reference flagging operations when the proposed
	TTCP is utilizing a traffic shift and temporary pavement.
17	Maintenance of Traffic - General comment, was the use of asphalt base considered to shorten the duration of construction?
18	Sheets 10A/10B - Will the proposed traffic shift create clear zone issues on the west side of the roadway with existing power poles
	and the two box culverts?
19	Sheet 11A - Please show the proposed guardrail as having been constructed in the previous phase to protect the box culvert
	extension.
20	Sheet 11B - Same issue as with the traffic shift on Sheets 10A/10B, will the shift shown here create clear zone issues with the box
	culvert at station 36+60 +/-?
21	
22	
23	
24	
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Fleming, Justin

From:	Fleming, Justin
Sent:	Tuesday, September 27, 2022 7:14 AM
То:	Gulley, Dennis
Cc:	Lingenfelter, Chad; Labud, Richard; Tefft, Clipper; Sanders, Michael
Subject:	Permit No. 2022-A-592-00041 SR 19 1400' N of Revels Rd - Turn Lane Improvements
Attachments:	11170 2022-A-592-00041 SR 19 1400' N of Revels Rd Turn Lane Improvements.pdf

Dennis,

Please note these comments will be uploaded into One-Stop as well.

Below are Traffic Ops' comments for the subject permit. Please pass these along to the permit applicant. Once the comments are reviewed and resubmitted, please ensure that they have been satisfactorily addressed. In the event another review is necessary, please send the package to Traffic Ops' via OSP.

Section: 11170 / SR 19 / MP 11.224 / Class 4 / 55 mph Permit No. 2022-A-592-00041 / Turn Lane Improvements Applicant: Eric Evans Scope of Work: New Driveway Daily Trip Estimate: 7312 Location: SR 19 at 1400' N of Revels Rd. Lake County

Connelly & Wicker Inc Plans Signed and Sealed Dated 06/2022

General Comments:

1. It should be noted that these review comments are to be considered preliminary in nature and do not constitute endorsement or certification of the design. A final acceptance of the design should be given in writing before any construction begins. All relocations, modifications, or closures of connections to the State Road System <u>will be ruled</u> by F.A.C. (Florida Administrative Code) 14-96. The Department shall not be obligated to permit or approve any connection, traffic control feature or device, or any other site related improvement that has been specified in a development approval process separate from the official connection approval process described in F.A.C.

2. Please note and confirm that the EOR understands that they will be fully responsible to update/add/remove any signs and pavement markings that need to be updated/added/removed in the field with the proposed changes even if the FDOT comments below are not comprehensive and do not cover every one of the changes required.

3. Please note: If the permitted connection poses a current, potential safety, or operational problem that endangers the health, safety, or welfare of the public, the owner / permittee, will be responsible for any and all costs associated with the required modification per FAC guidelines.

4. Please provide written responses to these comments. If a revision has been made, please point out where the correction has been addressed (Sheet No.) to avoid further undue delay.

5. A truck turn analysis with template will be needed that clearly shows a graphic layout of how delivery vehicles will enter, circulate, stage for deliveries, and exit the site. Truck paths should be on clean sheets and preferably no overlapping paths in a scale that is reviewable on paper plans.

6. If a Landscape plan is available, please provide it for our review.

7. Sightlines per FDOT Design Manual 212.11 will need to be shown on landscape plans. <u>If no landscape plans are</u> available, a separate plan sheet will need to be provided showing sightlines for review.

8. Please confirm and note in the plans, all affected sidewalks, ramps, and crosswalks, will be built and inspected to meet current ADA requirements.

9. Confirm the turn lane lengths are per Standard Plans / FDM guidelines.

10. Has a review for current or future FDOT projects been completed?

11. Please provide local agency's comments on the proposed development.

12. Ensure that current **2022-23** FDOT Standard Plans Index designations are used for all references to FDOT Design Standards throughout the plan set.

13. Place sidewalk within the SR 19 right-of-way along the entire frontage.

Sheet 3 (SR -19 Signing & Striping Plan):

1. The proposed connection width (<u>62'</u>) at SR 19 needs to be reduced not to exceed the 36 feet maximum. The traffic separator does not serve a transportation purpose but is contributing to the excessive driveway width. Due to the only stop control (<u>Stop Sign</u>) being proposed at this connection, allowing 2 ingress and 2 egress lanes with limited sight distance at a posted speed limit of <u>55mph</u> is a huge safety concern and cannot be approved for permit. This driveway connection width should be **24** feet or the width necessary to accommodate the prevailing fire apparatus, whichever is greater.

Please apply the following:

<u>a.</u> Reduce the driveway connection to **24'** or the width necessary to accommodate the prevailing fire apparatus, whichever is greater. Please consider using **35'** ingress / **25'** egress radii. Determining the results of the AutoTurn, driveway width and radii may need to be adjusted (+/-) to the minimum turning vehicle wheel swept path.

<u>b.</u> Please continue the existing width of shoulder around the radii to State ROW.

<u>c.</u> Include Dimension Lines on both Turn Lanes. Please show distance including Taper and total length.

<u>d.</u> A skip stripe bike slot across the opening of the driveway will need to be shown on plans.

<u>e.</u> The Stop bar should be no more than **30** feet from the nearest edge of the intersecting roadway per <u>MUTCD</u>

Section 3B.16 Stop and Yield Lines #10. Please include dimension line on plans to ensure compliance with MUTCD.

<u>f.</u> Crosswalk needs to be a minimum of **4 foot** from the Stop Bar. Please show dimension line to insure a minimum of **4 foot** per <u>MUTCD Section 3B.16 Stop and Yield Lines.</u>

Traffic & Mobility Consultants (TMC) Study Signed and Sealed Dated 11/04/2021

Page 16:

1. Identify when the following improvements will be necessary:

- The intersection of SR 19 and Revels Road should be improved by the addition of a northbound left turn lane and the recommended turn lane length is 455 feet (including a 50-foot taper).
- A northbound left turn lane is warranted at SR 19 and the church entrance, and the recommended turn lane length is 430 feet (including a 50-foot taper).
- A northbound left turn lane is warranted at SR 19 and the secondary entrance, and the recommended turn lane length is 455 feet (including a 50-foot taper).

A separate access permit will be required for each of these improvements if they are not added to this permit.

END OF TRAFFIC OPERATIONS COMMENTS

*Screen shots used in this

email are for comment clarification only and should not be used as a substitute for engineering judgment.

HILLSIDE GROVES AT HOWEY IN THE HILLS SR-19 IMPROVEMENTS

LAKE COUNTY, FLORIDA

PREPARED FOR LENNAR - ORLANDO 6750 FORUM DRIVE, SUITE 310 ORLANDO, FLORIDA 3281

PROJECT LOCATION

FDOT SR-19 MILE MARKERS SOUTHERN LIMITS REVELS ROAD MM 10.959 NORTHERN LIMITS S FLORIDA AVE MM 11.860



DRAWING INDEX
DRAWING TITLE
COVER SHEET
SIGNATURE SHEET
SR-19 SIGNING AND STRIPING PLAN
SR-19 PAVING AND DRAINAGE PLAN
SR-19 WATER AND SEWER PLAN
PAVING AND DRAINAGE DETAILS
SR-19 CROSS SECTIONS
FDOT BOX CULVERT EXTENSION SECTION
STORMWATER POLLUTION PREVENTION PLAN
MAINTENANCE OF TRAFFIC PLAN (NOTES AND LEGEND)
MAINTENANCE OF TRAFFIC PLAN (SR-19 EAST WIDENING)
MAINTENANCE OF TRAFFIC PLAN (SR-19 WEST WIDENING)

	1" = 3000'		
CW	Connelly 8	& Wicker	Inc.
10	gineering · Land 0060 SKINNER LAKE DE JACKSONVILLE, FLOR 04) 265-3030 FAX: (9)	R., SUITE 500 IDA 32246	tecture
F	LORIDA REGISTRY 3650 L.A. NU	MBER: LC26000311	

www.cwieng.com

Item 3.

Date: JUNE, 2022

1

THIS DOCUMENT HAS BEEN DIGITALLY SIGN AND SEALED BY:

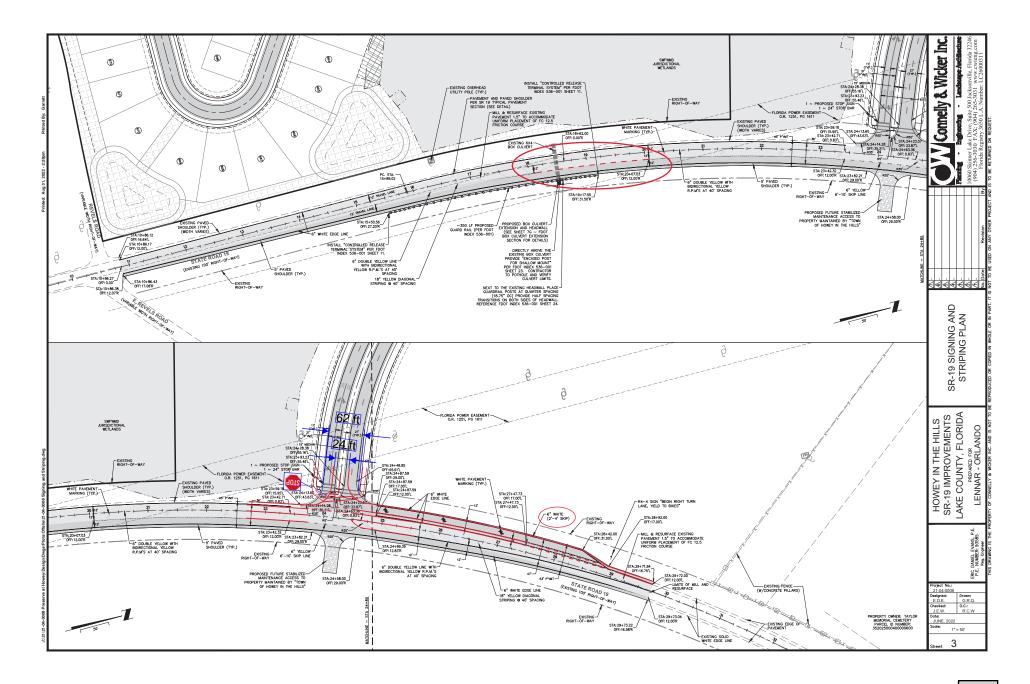


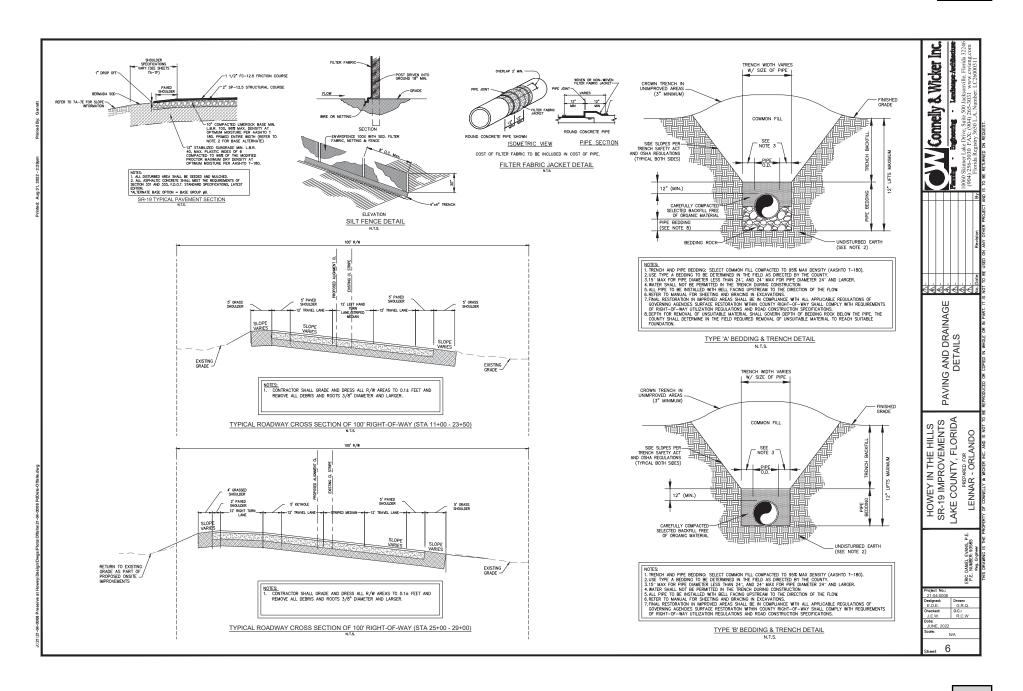
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

CONNELLY & WICKER INC. 10060 SKINNER LAKE DR., SUITE 500 JACKSONVILE, FL 32246 PHONE 904.265.3030 FAX 904.265.3031 CA NO. 3650 LA NO. LC26000311 ERIC DANIEL EVANS, P.E. NO. 93585

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

DRAWING INDEX			
DRAWING NO.	DRAWING TITLE		
1	COVER SHEET		
2	SIGNATURE SHEET		
3	SR-19 SIGNING AND STRIPING PLAN		
4	SR-19 PAVING AND DRAINAGE PLAN		
5A - 5B	SR-19 WATER AND SEWER PLAN		
6	PAVING AND DRAINAGE DETAILS		
7A – 7E	SR-19 CROSS SECTIONS		
7G	FDOT BOX CULVERT EXTENSION SECTION		
8	STORMWATER POLLUTION PREVENTION PLAN		
9	MAINTENANCE OF TRAFFIC PLAN (NOTES AND LEGEND)		
10A - 10C	MAINTENANCE OF TRAFFIC PLAN (SR-19 EAST WIDENING)		
11A - 11B	MAINTENANCE OF TRAFFIC PLAN (SR-19 WEST WIDENING)		





Item 3.

GENERAL NOTES

1. WORK OPERATIONS SHALL BE CONFINED TO ONE TRAFFIC LANE, LEAVING THE OPPOSITE LANE OPEN TO TRAFFIC

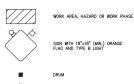
ADDITIONAL ONE-WAY CONTROL MAY BE EFFECTED BY THE FOLLOWING MEANS: 1. FLAC CARRYING VEHICLE; 2. OFFICIAL VEHICLE; 3. FILOT VEHICLES; 4. TRAFFIC SIGNALS

- WHEN FLAGGERS RE THE SOLE MEANS OF ONE-WAY CONTROL, THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
- 3. THE ONE-LANE ROAD SIGNS ARE TO BE FULLY COVERED AND THE FLACGER SIGNS EITHER REMOVED OR FULLY COVERED WHEN NO MORK IS BEING PERFORMED AND THE HAGHWAY IS GREN TO TWO-WAY TRAFFIC. REMOVE THE "PREPARE TO STOP" SIGNS AND REPLACE WITH THE STMBOL FOR MEN WORKING WHEN NO LANE CLOSURE IN USL.
- 4. WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE, ADDITIONAL TTC DEVICES SHALL BE PLACED IN ACCORDANCE WITH OTHER APPLICABLE TCZ INDEXES.
- 5. FOR GENERAL TCZ REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO INDEX NO. 600.
- 6. SHOULD A CONFLICT ANSE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS, THE DISCHER/FEMITTEE SHALL MARENATELY CONFER WITH THE DEPARTMENT'S INGNEER IN ORDER TO RESOLVE THE DISCHERANCY. IN NO CASE WILL ANYTHING LESS THAN THE DEPARTMENT'S MINIMAR STANDARD BE ALLOWED.
- REMOVAL OF EXISTING STRIPING SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD TO OBLITERATE OBSIDETE PAVEMENT MARKINGS. IF THIS PROCESS DAMAGES/SCARS PAVEMENT, THEN THE PAVEMENT SHALL BE MLIED AND RESINFACED PRF FOR ISTANAPORS.
- A LL WORK SYALL BE PERFORMED IN A SHE MANNER. ALL SHETY FILES AND GUIDELINES OF 0.5.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSED FOR ANY NAMES OF HIS DEMONDES. AND Y DAMAZE DO HAVIE PROPERTY OF REPORTS DURING HIS COURSE OF HIS FORCET. ALL COSTS ASSOCIATED INH COMPLYING WITH OSALA REQUATIONS MO THE FLORED ATENNO SHETY ACT WAST BE ALLOWED IN HE CONTRACTORS DUD.
- ALL WELL THE RULLER AND THE CONTRACTURES THE ACTION TO THE PROVIDE TO THE PROVIDE THE SET OF THE CONTRACT AND THE CONTRACT AND THE PROVIDE TO THE PROVIDE TO
- 10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ETHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL THAT WILL REQUIRE REMOVAL AND/OR TO ESTIMATE THE AMOUNT OF OF STIE DRRAW THAT WILL BE REQUIRED.
- 11. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER AND THE FOOT FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AND THE FDOT.
- 12. ELEVATIONS ARE BASED ON NATIONAL AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UNITED STATES COASTAL AND GEODETIC SURVEY (U.S.C & G.S), AS DETERMINED BY PEC SURVETING AND MAPPING, LL ING. LLC.
- CONTRA Red RECEIPT AND THE LOCAR & SAY AS DELEMENT OF THE SATURATION OF WHITTEN, LOC IS. HE CONTRACTOR HILL CONTRACT HIN AN REPERGENT ISTEM LABORATORY TO REPERGIN MARTINI, TESTIN AND SOLI ESTINO NA ACCEDENCE WITH FOR RECURRENCY. THIS SHALL INCLUE EDISTI TESTIN ALL ANALOHIEN MARTINI, TESTING, PRONT TO LIMENCE PLACEMENT, HILL PRACET RECORDER TESTINO AND ALL OHER MARTINI, TESTING, PRONT TO LIMENCE PLACEMENT, HILL PRACET RECORDERING DIRACTER SHALL MART RECORDERING FOR INCEREMENT PLACEMENT.
- 14. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION AND REPAIR.
- 14. "AS-BELT" FORMINGS AS-BUILTS TO THE FOOT ARE INCURRED TO BE SONED AND SCALED BY A LOOMAL REDISTINGT LAND SIGNATION THEOROGY. If SHUL BE THE COMPACTION'S RESPONDING TO LOOMANG, SECTIONARY AND SAME TAXING OF A STATEMENT AND ADDRESS THE ACCOMPACT AND ADDRESS LOOMANG, SAME SECTIONARY AND SAME TAXING OF ADDRESS THE ACCOMPACT AND ADDRESS FOR ADDRESS AND SECTIONS AND SERVICE ALLANDAS. IT IS THE CONTRACTOR'S RESPONDENT TO FOROSISTI BY "A-BUILT (FORMING STOR PARTYONIC BY THE FOOT.

- 16. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSDEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT.
- ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED ROADWAY DEVELOPMENT SHALL BE REMOVED BY THE CONTRACTOR AS DESCRIBED IN NOTE #2.
- 20. THIS TRAFFIC CONTROL THROUGH WORK ZONES PLAN ALSO APPLIES TO WORK PERFORMED IN THE MEDIAN MORE THAN 2' BUT LESS THAN 15' FROM THE EDGE OF EITHER PAVEMENT.
- 21. WORKERS SIGNS TO BE REMOVED OR FULLY COVERED WHEN NO WORK IS BEING PERFORMED.
- 22. ALL BOR INFORMED IN THE DEPARTMENT'S ROLF OF WY SHALL BE DORE IN ACCORDANCE WITH THE MOST CAMPACT EXEMPLATE SECOND SECTION FROM AND INFORM CONSTRUCTION. F. D.D.T. STAKENING SECONDUCTIONS CONSTRUCTION. F. D.D.T. TRADENT SECOND SEC
- 23. ALL DISTURBED AREA WITH THE DEPARTMENT OF TRANSPORTATION RIGHT OF WAY WILL RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SOUDING THE AREA DISTURBED (BERMUDA IN RURAL, CENTIPEDE IN UTILITY STREPS).
- 4. UNE COURSES WILL ONLY BE PERMITTED DURING DAVILORT HOURS OF 9:00AM 3:30FM. THE F.D.O.T. ENGINEER MUST APPROVE WORT WORK MAD LANE CLOSURES AT LEAST 48 HOURS IN ADVINCE. THE APPLICANT MUST NOTEY THE FLORED DEPARTMENT OF TRANSPORTATION LOCAL MAINTENANCE OFFICE 48 HOURS IN ADVINCE OF STARTING ANY PROPOSED WORK.
- 25. ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC. THE PERMITTE SHALL FURNISH THE DEPARTMENT WITH THE MANUFACTURER'S CERTIFICATION THAT THE THERMOPLASTIC IS 'LAD FREE'.
- 26. ALL PROPOSED TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH AND CONSTRUCTED TO THE FDOT DESIGN STANDARDS INDEX SERIES 11000, 17000, 17302, 9335 AND 11800 SERIES. THE PROPERTY OWNER MUST HANTIAN THE REPRESANT TRAFFIC SIGNS AND MARKINGS.
- 27. DE FEOT REQUESS DOCUMENTATION FOR SUCCESSFUL COMPLETION OF AN APPROVED WORK ZONE TRAFFIC CONTROL TRANSIC ODJECT FOR THE AGONCY UTILITY OR CONTRACTOR DIRVOTES(S) INSTALLING AND/OR MAINTAINING THE APPROVED MAINTINGS OF TRAFFIC PAUL POLICY DOCUMENTION IS TO BE FURNEED TO THE DEPARTMENT AT THE PRE-CONSTRUCTION WEETING OR BEFORE OCCUPYING STATE RIGHT-OF-WAY.
- 28. MAINTENANCE OF TRAFFIC PLAN FOR WORK ZONES SHALL BE IN CONFORMANCE WITH ALL APPLICABLE INDICES OF THE FDOT DESIGN STANDARDS INDEX 600 SERIES ACCORDING TO THE TYPE OF ROADWAY AND TYPE OF WORK DRIVE GENERALIZED.
- 29. ALL LANES MUST BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OR THE EVACUATION OR EVENT.
- 30. EXISTING PAVED SHOULDERS TO BE SANGUT AT THE WHITE EDGE LINE AND REMOVED FULL DEPTH BEFORE NEW TURN LANES, DRIVEWAYS, PAVED SHOULDERS, AND/OR OTHER NEW APPLICABLE FEATURES ARE CONSTRUCTED.

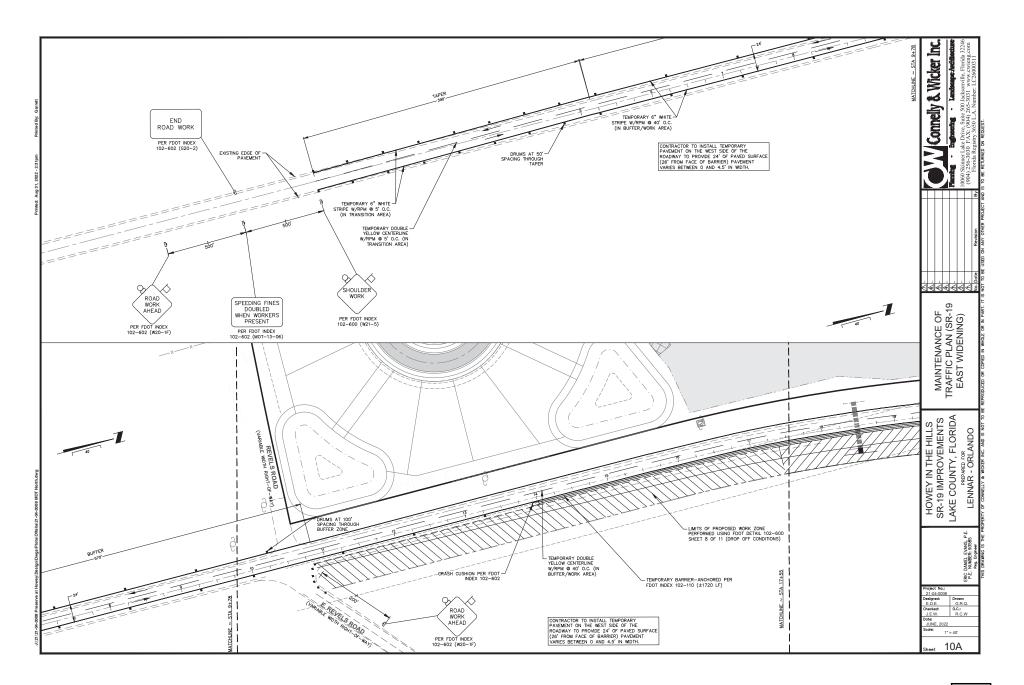
- DURATION NOTES
- 1. ROAD WORK AHEAD AND THE BE PREPARED TO STOP SIGNS MAY BE OMITTED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
- A. WORK OPERATIONS ARE 60 MINUTES OR LESS
- B. SPEED LIMIT IS 45 MPH OR LESS
- C. NO SIGHT OBSTRUCTIONS TO VEHICLES APPROACHING THE WORK AREA FOR A DISTANCE EQUAL TO THE BUFFER SPACE
- D. VEHICLES IN THE WORK AREA HAVE HIGH-INTENSITY, ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS OPFRATING
- E. VOLUME AND COMPLEXITY OF THE ROADWAY HAS BEEN CONSIDERED

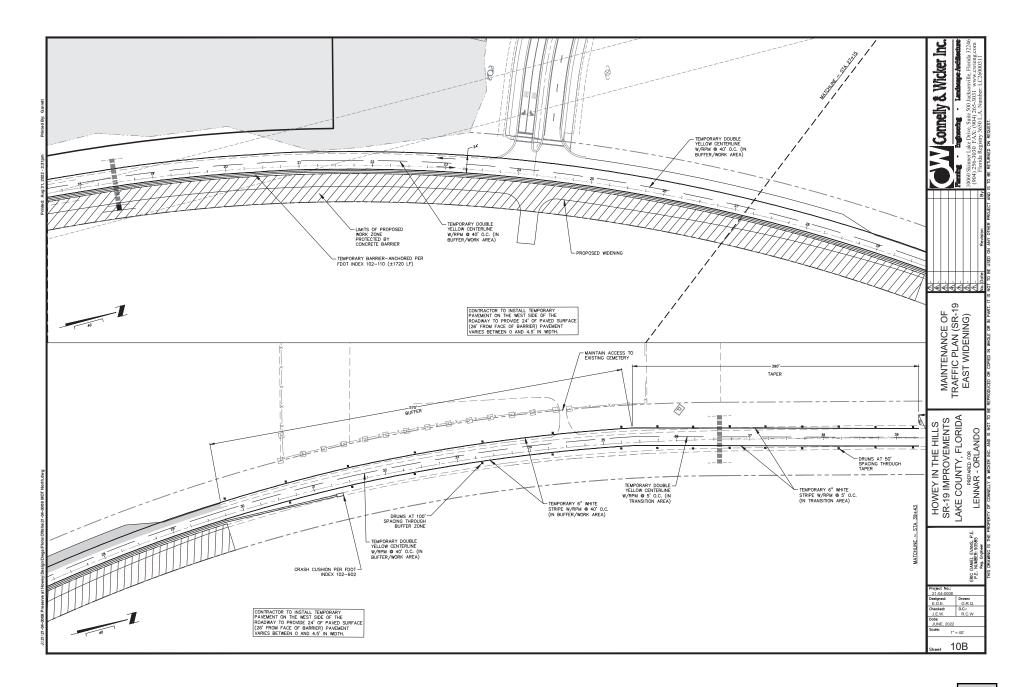
LEGEND

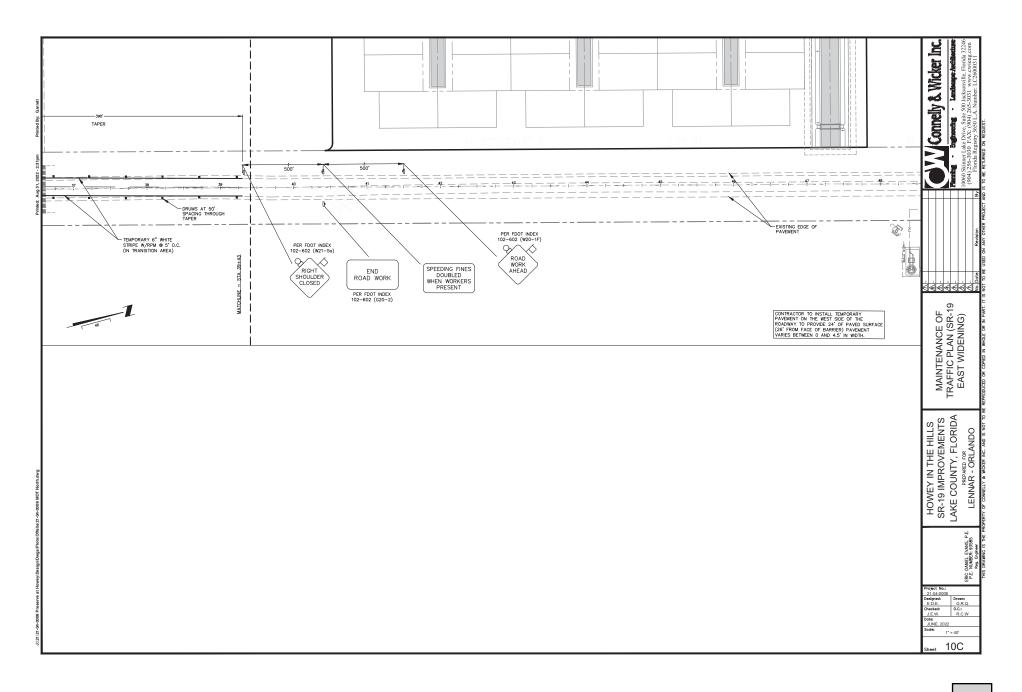


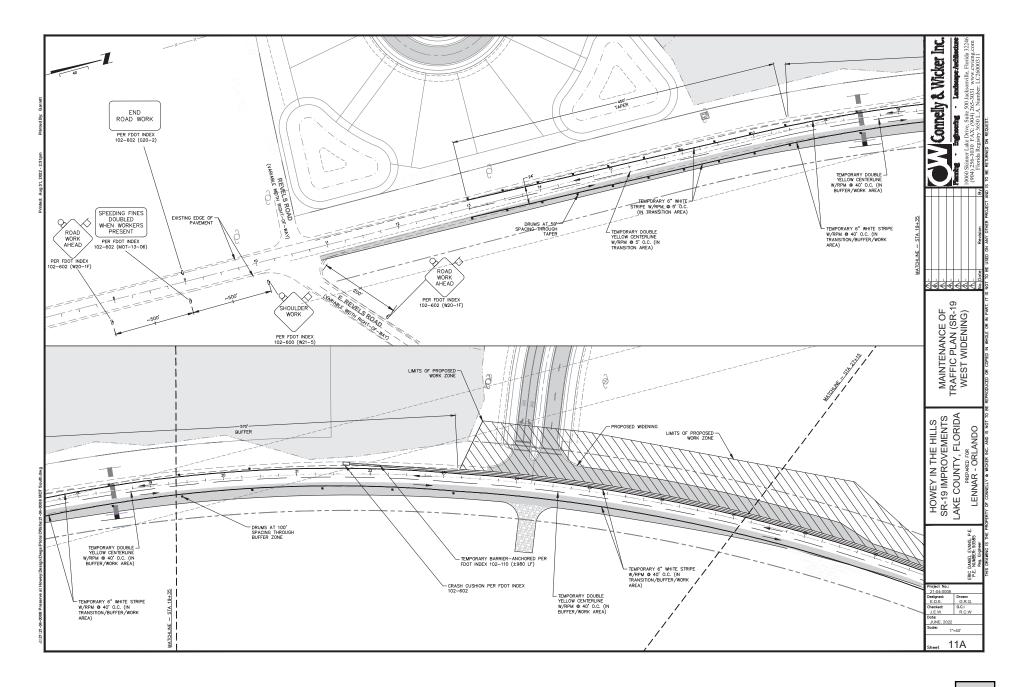
- ď WORK ZONE SIGN
- ___● FLAGGER
- \Diamond ORANGE FLAG FOR TCZ SIGNS
- 8 TYPE B LIGHT FOR TCZ SIGNS
- \Longrightarrow LANE IDENTIFICATION + DIRECTION OF TRAFFIC

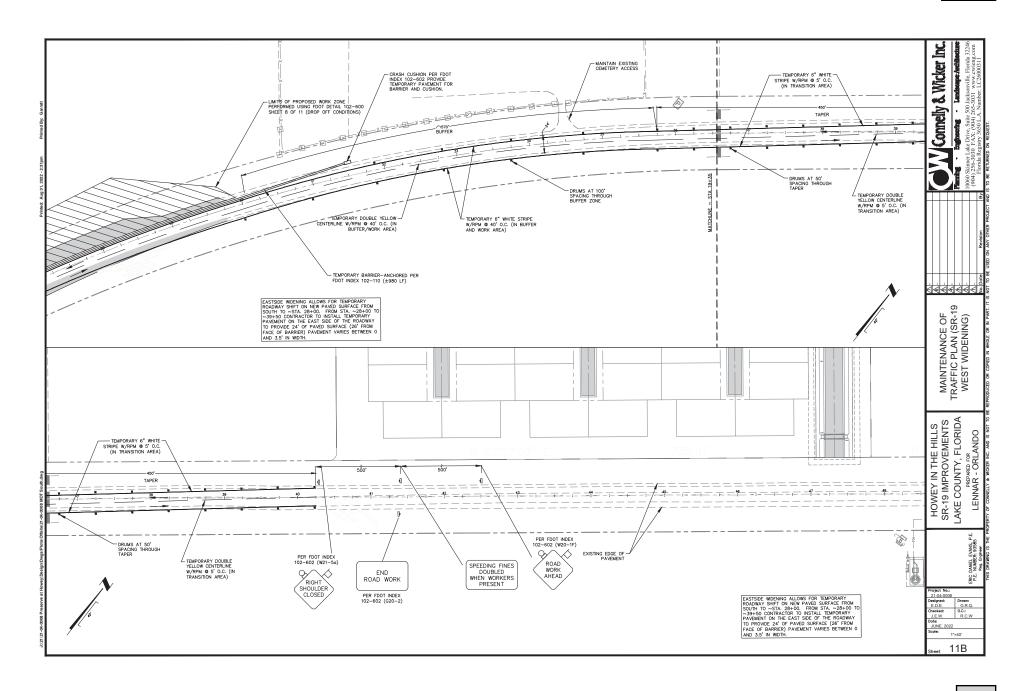
Ľ **Connelly & Wicker** <u>ବ୍ୟୁକ୍ୟୁକ୍ୟୁ</u> MAINTENANCE OF TRAFFIC PLAN (NOTES AND LEGEND) HOWEY IN THE HILLS SR-19 IMPROVEMENTS LAKE COUNTY, FLORIDA ARED FOR - ORLANDO DANIEL EVANS, P.E. NUMBER: 93585 P.E. Drawn: G.R.Q. 0.C.: E.D.E. R.C.W J.E.W. ute: JUNE, 2022 9











From:	toddhawkins@comcast.net
То:	Martha Macfarlane; George Lehning; Rick Klein; Marie V Gallelli; David Miles
Cc:	Sean O''Keefe
Subject:	The Reserve development and proposal to convert 4 lane spine to 2 lane w turn lanes and greenspace
Date:	Tuesday, October 11, 2022 10:40:37 AM

Caution: This email originated from outside the organization. DO NOT CLICK links or open attachments unless you recognize the sender and know the content is safe. Councilmembers,

I am reaching out concerning the council meeting last night and in particular the amendment to convert the 4 lane spine to 2 lanes at the Reserve development. Even though this amendment was not accepted by two council members, I would encourage the council to take another look at this for the following reasons:

- 1. This change was asked for by the city and recommended by the PZB
- 2. The developers never intended this street to be a main thoroughfare
- 3. It is in the best interest of the homeowners in the development to not have a 4 lane cut through going through the center of their neighborhood
- 4. Having single lanes with dedicated turn lanes will enable traffic to flow and will also act as a *traffic calmer*. Traffic calmers are going to be very important in helping control the speed of traffic in Howey as our town grows, and our town will want to incorporate these where possible.
- 5. Another benefit of the 2 lane is that the developer can add more trees and green space, which is a high priority for the town.
- 6. Everyone in the audience was baffled when the four lane was reinstated, and no one understands why that road should be a four lane.

We as Howey residents encourage the council to bring this back up for further review.

Thank you for your time and consideration.

Todd Hawkins 1110 N Lakeshore Blvd Howey in the Hills, FL (615)476-9577 toddhawkins@comcast.net

Hillside Grove

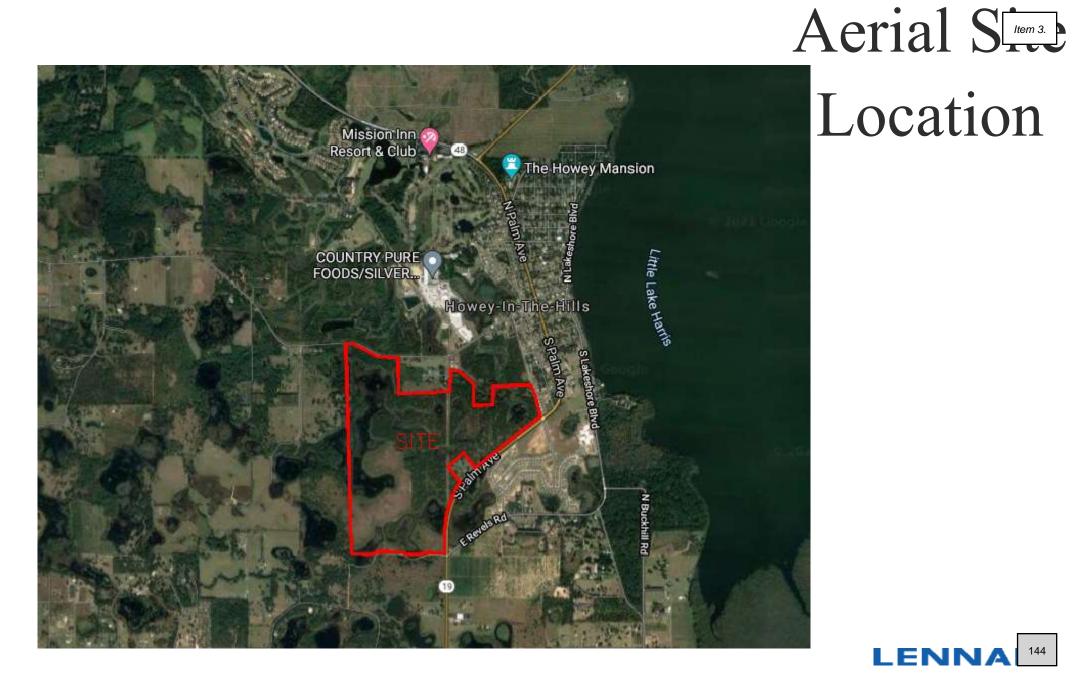
Howey-in-the-Hills, Lake County, FL



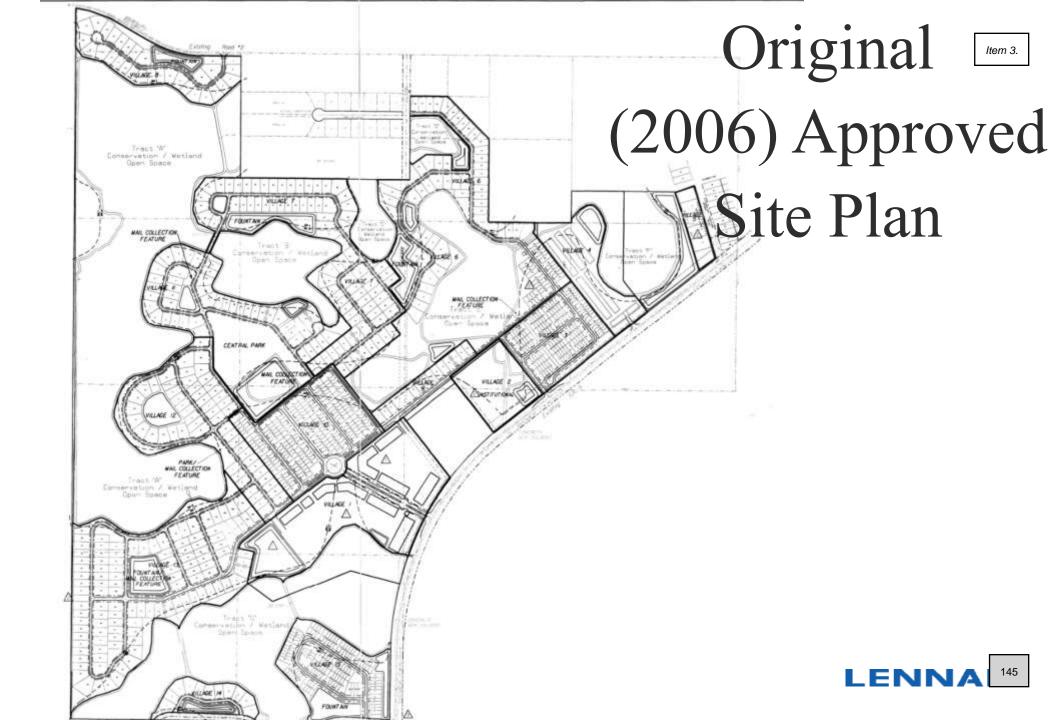


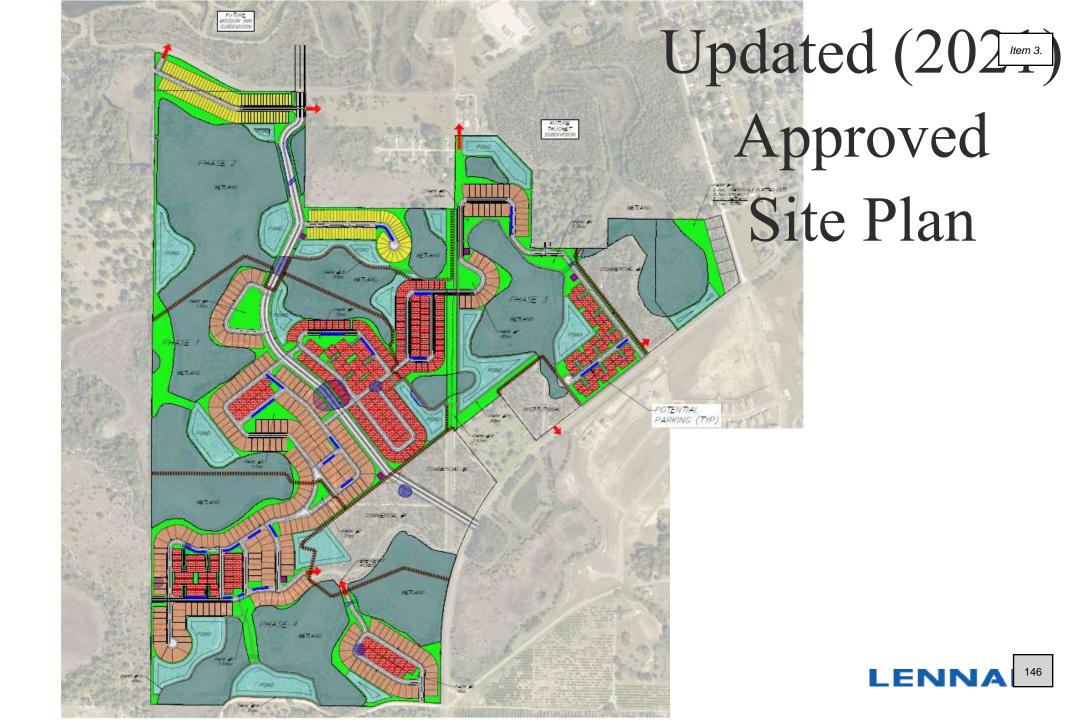
Road Design

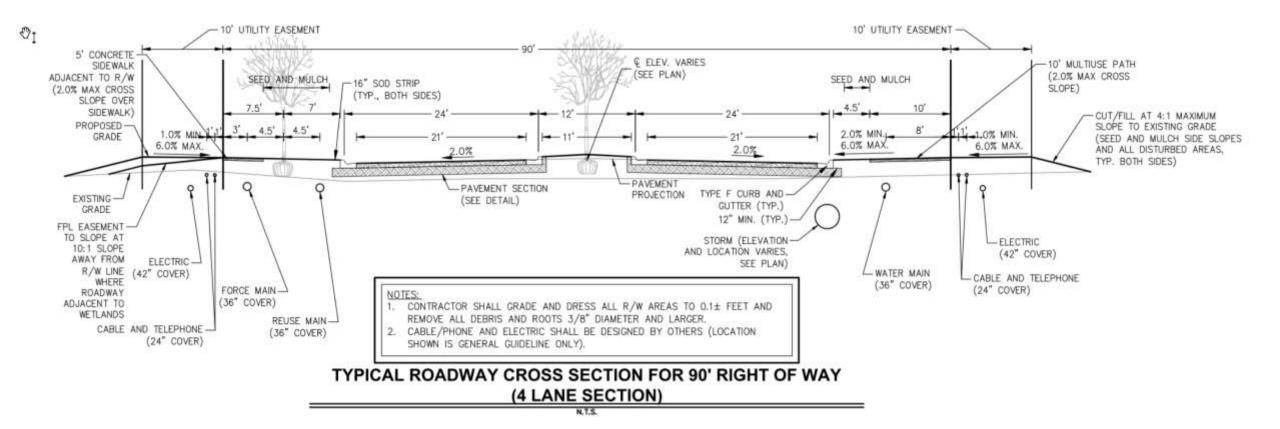










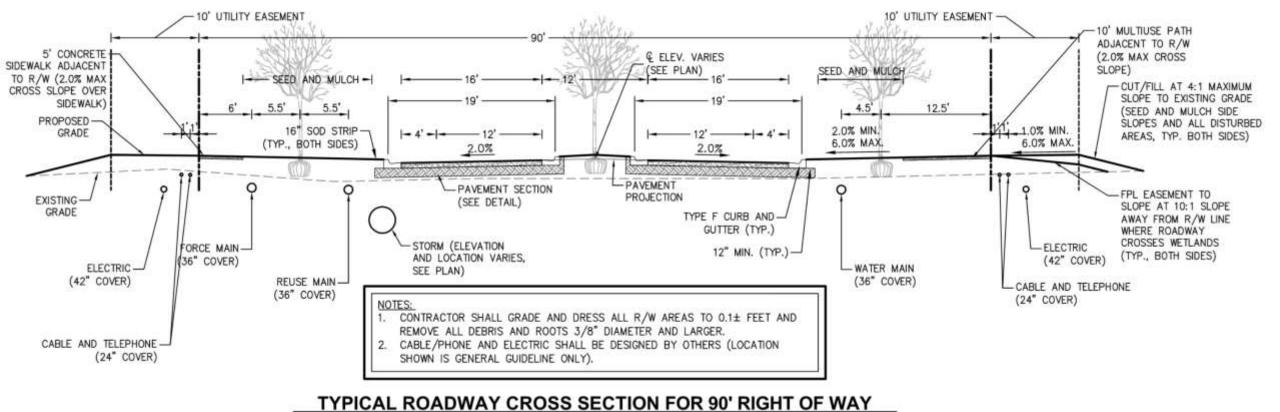


LENNA¹⁴⁷



Item 3.





FDOT Comments



Sheet 3 (SR -19 Signing & Striping Plan):

1. The proposed connection width (62') at SR 19 needs to be reduced not to exceed the 36 feet maximum. The traffic separator does not serve a transportation purpose but is contributing to the excessive driveway width. Due to the only stop control (Stop Sign) being proposed at this connection, allowing 2 ingress and 2 egress lanes with limited sight distance at a posted speed limit of 55mph is a huge safety concern and cannot be approved for permit. This driveway connection width should be 24 feet or the width necessary to accommodate the prevailing fire apparatus, whichever is greater.

Please apply the following:

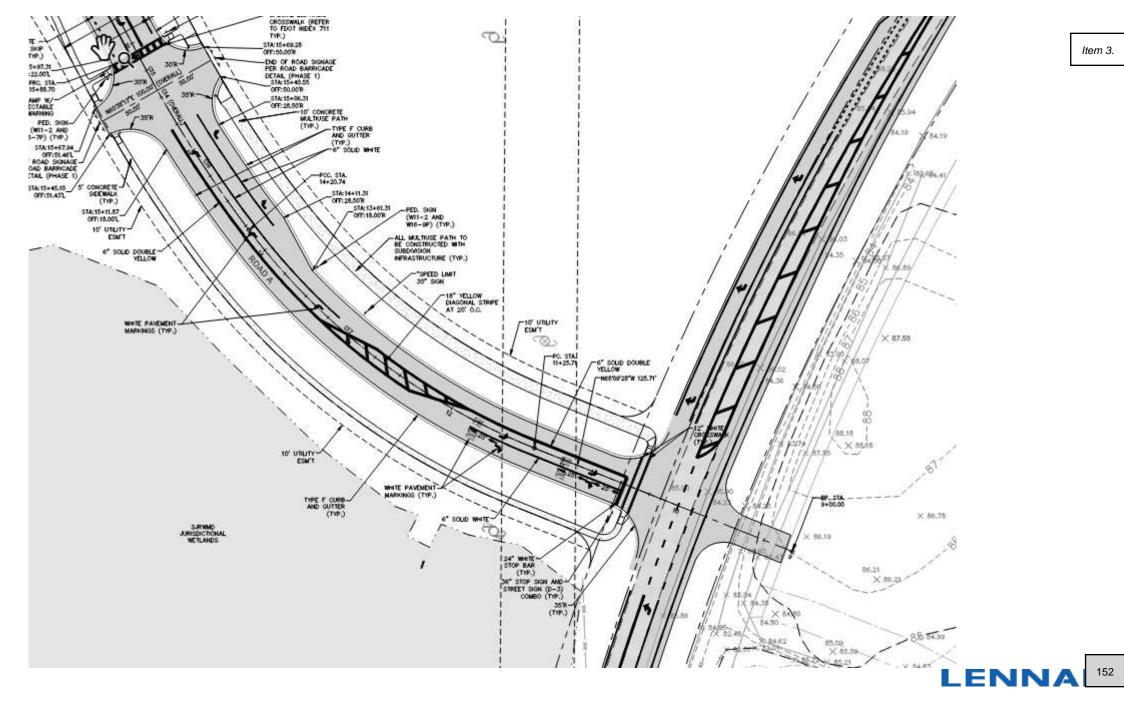
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- <u>b.</u> Please continue the existing width of shoulder around the radii to State ROW.
- c. Include Dimension Lines on both Turn Lanes. Please show distance including Taper and total length.
- **<u>d.</u>** A skip stripe bike slot across the opening of the driveway will need to be shown on plans.

<u>e.</u> The Stop bar should be no more than **30** feet from the nearest edge of the intersecting roadway per <u>MUTCD</u> <u>Section 3B.16 Stop and Yield Lines #10.</u> Please include dimension line on plans to ensure compliance with MUTCD.

<u>f.</u> Crosswalk needs to be a minimum of **4 foot** from the Stop Bar. Please show dimension line to insure a minimum of **4 foot** per <u>MUTCD Section 3B.16 Stop and Yield Lines.</u>





Item 3.

Road Capacity



Traffic Flow Assumptions



Item 3.



14

1 2 3 4 5 6 7 8 9 10 11	ORDINANCE NO. 2022-021 AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, CREATING CHAPTER 54 IN THE TOWN OF HOWEY-IN-THE-HILLS' CODE OF ORDINANCES TITLED "ANIMAL CONTROL"; PROVIDING REGULATIONS FOR RESTRAINT OF ANIMALS, NUISANCE ANIMALS, THE POSSESSION, OWNERSHIP, CARE, AND CUSTODY OF ANIMALS; PROVIDING FOR SEVERABILITY, CODIFICATION AND AN EFFECTIVE DATE.			
11 12 13 14 15 16	<i>Whereas,</i> under the Constitution of the State of Florida, specifically Article VIII, subsection 1(f), the animal-control ordinance enacted by the Lake County Board of County Commissioners, codified at Chapter 4 of the Lake County Code of Ordinances, is fully in effect within the boundaries of the Town of Howey-in-the-Hills: and			
17 18 19	<i>Whereas</i> , the Town of Howey-in-the-Hills entered into an interlocal agreement with Lake County Sheriff for animal services and enforcement of Chapter 4 of the County Code; and			
20 21 22 23	<i>Whereas,</i> the Town Council has determined that (i) the Town's Code of Ordinances should reference Chapter 4 and inform Town residents of the location of regulations governing animals in the Town.			
24 25 26 27	5 NOW, THEREFORE, BE IT ORDAINED BY THE TOWN OF HOWEY-IN-THE-HILL 5 FLORIDA:			
27 28 29 30	Section 1. Recitals. The recitals set forth above are true and correct and constitute the legislative findings of the Town Council.			
31 32 33	Section 2. Amendments to the Town of Howey-in-the-Hills Code of Ordinances. Chapter 54 of the Town of Howey-in-the-Hills' Code of Ordinances is added as follows:			
34 35	Chapter 54 - ANIMALS			
36 37	Sec. 54-1. – County ordinance to apply.			
38 39 40 41 42 43	Chapter 4 of the Lake County Code of Ordinances, as it may be amended from time to time, is fully in effect within the boundaries of the Town and shall regulate the possession, ownership, care, and custody of animals, including licensure of animals, dangerous dogs and animals, and seizure and impoundment of animals. Enforcement of this Chapter 54 shall be as set forth in said chapter 4 of the Lake County Code of Ordinances.			
44 45 46 47 48 49 50	Section 3. Severability. The provisions of this ordinance are declared to be severable. If any section, sentence, clause or phrase of this ordinance shall for any reason be held invalid or unconstitutional, such decision shall not affect the validity of the remaining sections, sentences, clauses and phrases of this ordinance, but they shall remain in effect, it being the legislative intent that this ordinance shall stand notwithstanding the invalidity of any part.			

Draft 11-2-2022

ltem 4.

		Draft 11-2-2022		
51 52 53	Section 4. Codification. The provisions of only section 2 shall be codified in the Town's Code of Ordinances.			
54	Section 5. Effective Date. This ordinance takes effect upon its enactment.			
55				
56 57 58	PASSED AND ORDAINED this 28th day of November, 2022, by the Town Council of the Town of Howey-in-the-Hills, Florida.			
59		Town of Howey-in-the-Hills, Florida		
60		By: its Town Council		
61				
62				
63		By: Martha MacFarlane, Mayor		
64		Martha MacFarlane, Mayor		
65				
66				
67 68 69 70 71	ATTEST:	APPROVED AS TO FORM AND LEGALITY (for the use and reliance of the Town only)		
72 73 74 75	John Brock, Town Clerk	Thomas J. Wilkes, Town Attorney		
76 77 78 79 80 81	First Reading held November 14, 2022 Second Reading, Public Hearing and A Advertised November 18, 2022 #48764759 v2			

Item 4.

1	ORDINANCE NO. 2022-021
2 3 4 5 6 7 8 9 10	AN ORDINANCE OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA, CREATING CHAPTER 54 IN THE TOWN OF HOWEY-IN-THE-HILLS' CODE OF ORDINANCES TITLED "ANIMAL CONTROL"; PROVIDING REGULATIONS FOR RESTRAINT OF ANIMALS, NUISANCE ANIMALS, THE POSSESSION, OWNERSHIP, CARE, AND CUSTODY OF ANIMALS; PROVIDING FOR SEVERABILITY, CODIFICATION AND AN EFFECTIVE DATE.
11 12 13 14 15 16	<i>Whereas</i> , under the Constitution of the State of Florida, specifically Article VIII, subsection 1(f), the animal-control ordinance enacted by the Lake County Board of County Commissioners, codified at Chapter 4 of the Lake County Code of Ordinances, is fully in effect within the boundaries of the Town of Howey-in-the-Hills: and
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20 21 22 23 24	<i>Whereas</i> , the Town Council has determined that (i) the Town's Code of Ordinances should reference Chapter 4 and inform Town residents of the location of regulations governing animals in the Town.
24 25 26 27	NOW, THEREFORE, BE IT ORDAINED BY THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA:
27 28 29 30	Section 1. Recitals. The recitals set forth above are true and correct and constitute the legislative findings of the Town Council.
31 32 33	Section 2. Amendments to the Town of Howey-in-the-Hills Code of Ordinances. Chapter 54 of the Town of Howey-in-the-Hills' Code of Ordinances is added as follows:
34 35	Chapter 54 - ANIMALS
36 37	Sec. 54-1. – County ordinance to apply.
38 39 40 41 42 43 44	Chapter 4 of the Lake County Code of Ordinances, as it may be amended from time to time, is fully in effect within the boundaries of the Town and shall regulate the possession, ownership, care, and custody of animals, including licensure of animals, dangerous dogs and animals, and seizure and impoundment of animals. Enforcement of this Chapter 54 shall be as set forth in said chapter 4 of the Lake County Code of Ordinances.
44 45 46 47 48 49 50	Section 3. Severability. The provisions of this ordinance are declared to be severable. If any section, sentence, clause or phrase of this ordinance shall for any reason be held invalid or unconstitutional, such decision shall not affect the validity of the remaining sections, sentences, clauses and phrases of this ordinance, but they shall remain in effect, it being the legislative intent that this ordinance shall stand notwithstanding the invalidity of any part.

Section 4. Codification. The provisions of only section 2 shall be codified in the Town's Code of Ordinances. Section 5. Effective Date. This ordinance takes effect upon its enactment. PASSED AND ORDAINED this 28th day of November, 2022, by the Town Council of the Town of Howey-in-the-Hills, Florida. Town of Howey-in-the-Hills, Florida By: its Town Council By: Martha MacFarlane, Mayor 69 70 APPROVED AS TO FORM AND LEGALITY ATTEST (for the use and reliance of the Town only) ch John Brock, Town Clerk Thomas J. Wilkes, Town Attorney First Reading held November 14, 2022 Second Reading, Public Hearing and Adoption held November 28, 2022 Advertised November 18, 2022

ORDINANCE 2022-016

AN ORDINANCE OF THE TOWN OF HOWEY IN THE HILLS, FLORIDA, PERTAINING TO LAND USE; PROVIDING FINDINGS OF THE TOWN COUNCIL; AMENDING THE TOWN'S OFFICIAL ZONING MAP TO REZONE FROM MDR-1 AND MDR-2 TO PLANNED UNIT DEVELOPMENT CERTAIN LANDS LOCATED IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF STATE ROAD 19 AND **REVELS ROAD, AS MORE PARTICULARLY DESCRIBED IN ATTACHMENT A TO ORDINANCE; INCORPORATING** THIS CONDITIONS, **REQUIREMENTS**, **RESTRICTIONS, AND OTHER TERMS GOVERNING THE USE AND DEVELOPMENT** OF THE **PROPERTY**; PROVIDING FOR SEVERABILITY, CONFLICTS, **CODIFICATION, AND AN EFFECTIVE DATE.**

BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF HOWEY-IN-THE-HILLS, FLORIDA:

Section 1. Findings. In enacting this ordinance, the Town Council of the Town of Howey-in-the-Hills, Florida makes the following findings and declarations:

(1) The land described in **Attachment A**, located generally in the southeast quadrant of the intersection of State Road 19 and Revels Road ("**Property**"), is located within the town limits of the Town of Howey-in-the-Hills;

(2) The Town's Comprehensive Plan designates the Property on the Town's Future Land Use Map for medium density residential future land use, and current zoning of the Property is MDR-1 and MDR-2.

(3) The owner of the Property intends to use and develop the Property for single-family residential purposes.

(4) The Town Council finds that rezoning the Property from MDR-1 and MDR-2 to Planned Unit Development is consistent with both the Town's Comprehensive Plan and the Town's Land Development Code ("LDC") and will not adversely affect the public health, safety, and welfare of the Town.

Section 2. Amendment to the Official Zoning Map. The Town Council hereby amends the Town's Official Zoning Map to zone the Property for Planned Unit Development.

Section 3. Use and Development of the Property. Use and development of the Property under its Planned Unit Development zoning is subject to the conditions, requirements, restrictions, and other terms of the following:

- (1) This Ordinance 2022- 016
- (2) A development agreement, to be approved by Town Council and executed by the Mayor, setting forth the specific conditions, requirements, restrictions and other terms for the use and development of the Property;
- (3) The Town's Land Development Code; and
- (4) The Town Code and all other Town ordinances governing the development of the Property.

Section 4. Severability. If any part of this ordinance is declared by a court of competent jurisdiction to be void, unconstitutional, or unenforceable, the remaining parts of this ordinance shall remain in full effect. To that end, this ordinance is declared to be severable.

Section 5. Conflicts. If this ordinance conflicts with other ordinances in regulation of the use and development of the Property, this ordinance shall control and supersede to the extent of the conflict.

Section 6. Codification. The amendment to the Official Zoning Map in Section 2 shall be codified and made part of the Town's LDC and Official Zoning Map.

Section 7. Effective Date. This ordinance shall take effect upon the later of (i) its enactment by the Town Council or (ii) the date by which a development agreement for the Property has been approved by Town Council and taken effect.

[Signatures on the next page]

ENACTED AND ORDAINED this _____ day of _____, 2022, by the Town Council of the Town of Howey-in-the-Hills, Florida.

TOWN OF HOWEY-IN-THE-HILLS, FLORIDA By: its Town Council

By:_____

Hon. Martha MacFarlane, Mayor

ATTEST:

APPROVED AS TO FORM AND LEGALITY

(for use and reliance of the Town only)

John Brock Town Clerk Thomas J. Wilkes Town Attorney

 Planning and Zoning Meeting held ______, 2022

 First Reading held ______, 2022

 Second Reading and Adoption held ______, 2022

 Advertised ______, 2022, ______, 2022

 and _ _____, 2022

Attachment A To Ordinance 2022 - 016

LEGAL DESCRIPTION

(35-20-25-0150-000-01200) ORB 2732, PG 1039

LOT 12; ALSO BEGIN 99 FEET SOUTH 1°32' WEST OF THE NORTHWEST CORNER OF LOT 16, THENCE RUN EAST TO THE SOUTHEASTERN BOUNDARY OF LOT 16; THENCE SOUTHWESTERLY ALONG THE SOUTHEASTERN BOUNDARY OF LOT 16; THENCE NORTHERLY ALONG THE WESTERN BOUNDARY OF LOT 16 TO THE POINT OF BEGINNING; LOTS 26 AND 27, LESS THAT PART INCLUDED IN CLAY PIT, ALL ACCORDING TO THE PLAT OF FIRST SUBDIVISION OF HOWEY, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. ORB 2732 PG 1041

PARCEL NO. 1 (35-20-25-0150-000-00100) LOT 1 IN 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

PARCEL NO.2 (35-20-25-0150-000-00100)

THAT PART OF 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE INTERSECTION OF THE NORTH LINE OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 25 EAST, IN LAKE COUNTY, FLORIDA, WITH THE EASTERLY LINE OF THE RIGHT OF WAY OF SUNSET DRIVE AS SHOWN UPON SAID PLAT AND RUN THENCE EAST ALONG SAID NORTH LINE TO A POINT ON THE WATERS-EDGE OF LAKE BERTHA, SAID POINT BEING HEREBY DESIGNATED AS POINT "A". BEGIN AGAIN AT THE POINT OF BEGINNING AND RUN SOUTHERLY AND SOUTHEASTERLY ALONG THE EASTERLY LINE OF SAID RIGHT OF WAY TO THE WESTERLY LINE OF LOT 4 AS SHOWN UPON SAID PLAT; THENCE NORTHEASTERLY ALONG THE WESTERLY LINE OF SAID LOT 4 TO THE WATERS OF LAKE BERTHA; THENCE WESTERLY AND NORTHERLY ALONG AND WITH THE WATERS OF LAKE BERTHA TO THE ABOVE-DESIGNATED POINT "A".

PARCEL NO. 3 (02-21-25-0001-000-03700)

THAT PART OF THE NORTH 1/2 OF GOVERNMENT LOTS 1 AND 2 IN SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, IN LAKE COUNTY, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHEAST CORNER OF SAID SECTION

2, RUN THENCE SOUTH 00°06'05" EAST ALONG THE EAST LINE THERE OF, 1139.8 FEET; THENCE RUN NORTH 89°29'20" WEST 2668.76 FEET TO THE WEST LINE OF SAID GOVERNMENT LOT 2; THENCE RUN NORTH 00°09'00" WEST ALONG SAID WEST LINE 1125.96 FEET TO THE NORTHWEST CORNER OF SAID GOVERNMENT LOT 2; THENCE RUN SOUTH 89°46'40" EAST ALONG THE NORTH LINE OF SAID SECTION 2 FOR 2669.20 FEET TO THE POINT OF BEGINNING.

Total Acreage: 99.19 #47800843 v2

Draft 11-10-2022 Item 5.

This instrument prepared by and should be returned to:

Thomas J. Wilkes GrayRobinson 301 East Pine Street, Suite 1400 Orlando, Florida 32801

As approved by Town Council for the Town of Howey-in-the-Hills, Florida

WATERMARK PUD DEVELOPMENT AGREEMENT

This **WATERMARK PUD DEVELOPMENT AGREEMENT** ("Agreement") is made as of the _____ day of _____, 2022 ("Effective Date"), between the **Town of Howey-in-the-Hills, Florida**, a Florida municipal corporation (the "Town"), and **Revels Road Investors, LLC**, a Florida limited liability company (the "Owner").

RECITALS

A. The Owner owns approximately 99.19 acres of property more particularly described in **Attachment A** to this Agreement ("the Property").

B. The Property is within the corporate limits of the Town. The Town has assigned the Property a future-land-use designation of Medium Density Residential and has rezoned the Property from MDR-1 and MDR-2 to PUD - Planned Unit Development.

C. The Owner intends to develop and use the Property for single-family residential purposes as more specifically set forth herein ("the Project"), to be known as the "Watermark PUD."

D. The Town and Owner enter into this Agreement to set forth the terms and conditions of approval negotiated between them for the development and use of the Property as the Watermark PUD.

NOW, THEREFORE, the Town and the Owner agree as follows:

Section 1: Land development and uses. Development and use of the Property is subject to the following conditions, requirements, restrictions, and terms:

(a) General. Development of the Project and use of the Property shall be governed by this Agreement, the Town's Comprehensive Plan, the Town's Land Development Code ("LDC") and Code of Ordinances ("Town Code"), and all other applicable state laws and regulations and Town ordinances and rules. Where in conflict, the terms of this Agreement shall supersede and prevail over the LDC and Town Code, but only to the extent of the conflict.

In the Conceptual Land Use Plan for the Project the term "conceptual" means the location of land uses on the site, including areas for residential development, open space, stormwater management, parks, and roads in relation to the site area and other uses on the site. Subsequent plan development may refine the details based on detailed engineering design. "Conceptual" does not mean or contemplate the modification of proposed housing types or the relocation of land uses and roads other than minor adjustments dictated by engineering needs and best practices.

Unless otherwise noted, the definition of terms in this Agreement shall be the same as the definitions set forth in the LDC.

(b) **Phasing** The project will be developed in two phases, as shown on the Conceptual Land Use/Preliminary Subdivision Plan. Each phase must be designed and built to operate independently with regard to traffic and utility services. Revisions to the phasing schedule shall be considered as minor amendments to this Agreement, which may be approved by Town Council with no formal amendment to this Agreement required.

- (c) **Purpose.** The purpose of the Watermark PUD is to:
- 1. Create an attractive and high-quality single-family housing development compatible with the scale and character of existing residential development and land uses in the Town;
- 2. Develop a residential area that is safe, comfortable and attractive for and to pedestrians;
- 3. Create a community with direct visual and physical access to open land, with a strong community identity, and with amenities in the form of community open space;
- 4. Provide a network of open space for future homeowners; and
- 5. Provide a variety of lot sizes and housing choices for diverse age and income groups and residential preferences.

(d) Land uses. The Conceptual Land Use Plan for the Project is contained in Attachment B and is an integral part of the approval of the Project. Elements in the Concept Plan include single-family detached homes and approximately 31.32 acres of recreation.

(e) **Development standards.**

Setbacks The following setbacks shall be applied:

Front:	20 feet
Rear:	25 feet
Side:	7.5 feet
Wetland:	25 feet
Corner:	12.5 feet
Pool / Accessory	10 feet

The recorded covenants, conditions, and restrictions for the Property must recite that (i) 65-foot lots may require a zoning variance before a pool can be installed and (ii) the Town Council legally may grant or deny such a zoning variance in its sole discretion. Also, each initial purchaser of a home on a 65-foot lot must be informed in writing by the developer or homebuilder before closing the purchase that Town Council may refuse to grant a variance for a pool on the lot, should the purchaser need a variance to install a pool. The substance of the disclosure statement used by the developer or builder must be approved by the Town Manager before being delivered to prospective homebuyers.

Lot Size

A range of lot sizes shall be provided in order to create variety and offer opportunity for different income households. Minimum lot size will be 65' x 120'. The Project may consist of up to 235 total lots of 65' x 120' and 75' x 120'. No fewer than 118 lots must be 75' x 120'.

Dwelling Size

The minimum dwelling size for all single-family residences shall be 1,600 square feet of heated/air-conditioned space under roof plus a two-car garage with a minimum of 400 square feet.

Lot Width

The minimum lot width at building line shall be 65 feet with a minimum street frontage of 30 feet.

Lot Coverage

Lots shall have a maximum lot coverage of 60%, to include principal dwelling, all paved areas, and swimming pools, except that on a 65-foot lot the maximum lot coverage may be 70% if a swimming pool is built.

Height of Structures

No residential structure may exceed 35 feet in height.

Building Design

Building design shall be in accordance with the Architectural Requirements of the Town's LDC and will comply specifically with the design requirements of LDC Sections 4.06.02 and 4.06.03.

The following principles seek to promote a high quality development that will create a sense of place and community through the development of the site.

- Housing styles, shapes and materials shall meet the Towns Land Development Regulations.
- The different housing types shall be integrated architecturally in order to give the development a harmonious appearance.

- The creation of visual richness shall be considered when choosing materials and details. Local characteristics are encouraged.
- Side entrances for garages are encouraged.
- A variety of roof heights, pitches and materials will be encouraged.
- Landscaping shall be incorporated into the overall design as a means of linking the development areas with the open spaces.
- Each exterior wall for a single-family home must be a minimum of two materials and a minimum of two colors. Primary facades must have one base color and a complementary wall material may be used to meet the second color requirement.
- Block face restrictions may be reduced to 300 linear feet. The same house model may not be used more than three times within a single block face. For purposes of this requirement, a different house model is a different floor plan, not the same floor plan flipped in a different direction and not the same floor plan with a different exterior treatment.

(f) Wetlands Buffer Requirement. No development is allowed within jurisdictional wetlands on the property. A minimum upland buffer of 25 feet along each wetland must be platted in a tract, to be maintained by the HOA. No development except passive recreation is permitted in wetland areas.

(g) Potable water, wastewater, and reclaimed water. Well and septic systems are not allowed. The Project must be connected to and served by the Town's potable-water and wastewater systems prior to a certificate of occupancy being issued for a structure in the Project (except temporary construction uses).

Except as may be set forth otherwise in this Agreement, the Owner must install all on-site potable-water, wastewater, and reclaimed-water infrastructure and connect to the Town's water and wastewater systems, and to the Town's reclaimed-water system when available at the Property boundary, all at no cost to the Town. The Owner must pay potable-water, wastewater, and reclaimed-water capital and connection charges, impact fees, and other Town rates, fees, and charges, either applicable currently or in the future.

1. Potable Water. The Town will provide potable water, and may in the future provide reclaimed water, to the Project in accordance with its applicable ordinances, resolutions, operating regulations, policies and procedures. The Town will provide potable water to the Property in sufficient quantities for development of the Project as contemplated herein, subject to the limitations and requirements of permits issued to the Town from time to time by the St. John's River Water Management District in connection with water consumption.

The Owner shall construct, at no expense to the Town, all off-site potable-water-system facilities, lines, pumps, valves, control structures, and appurtenances (other than water-treatment plants) necessary to serve the Project. The construction and route of off-site lines and other structures shall be done according to engineering plans prepared by the Owner and approved by the Town Manager.

2. *Wastewater*. The Town will provide wastewater-collection and transmission service to the Project, transmitting Project wastewater to the Central Lake Community Development District ("CDD"). The Owner must obtain from the CDD a contract right for the Project to receive treatment and disposal of its wastewater at the CDD's treatment and disposal facilities.

The Owner shall construct, at no expense to the Town, all off-site wastewater-system facilities, lines, lift stations, pumps, valves, control structures, and appurtenances (other than wastewater-treatment plants and disposal facilities) necessary to serve the Project. The construction and route of off-site lines, lift stations, pumps, and other structures shall be done according to engineering plans prepared by the Owner and approved by the Town Manager.

3. Town Option to Oversize Water and Wastewater Lines. Within 180 days of the effective date of the Owner's contract right to receive wastewater-treatment and –disposal service from the CDD, as referenced above, the Town may elect to oversize the off-site lines, pumps, improvements, or other facilities or appurtenances for the Town's water or wastewater system, or for both. If the Town elects to oversize one or both systems, it must inform the Owners in writing of the specifications for the oversizing(s) within the 180-day period. The Town shall reimburse the Owner for the difference in the increase in cost of design, materials and construction to oversize the improvements based on plans and cost estimates provided by the Owner to the Town and approved by the Town Manager, which approval shall not be unreasonably withheld, conditioned or delayed. The Town shall reimburse the Owners for the difference in the costs within 60 days following (i) completion of the improvements and (ii) receipt by the Town of documentation reasonably demonstrating that the Owner has completed the work and has incurred the costs attributable to the over-sizing, all in keeping with the plans and cost estimate previously approved by the Town Manager.

4. Permit-Induced Costs, Restrictions, Requirements, and Risks. Under state and federal laws and regulations, the Town may provide its potable-water and wastewater services to the Property and the Owner and its successors only if the Town first has been issued certain required permits. The Owner acknowledges that the permits are inevitably conditioned with requirements and restrictions that typically impose costs and risks. The Owner further acknowledges that, for the Town to operate its potable-water and wastewater systems in an orderly, dependable, and cost-effective manner, the Town must have the ability legally to spread the costs and risks among customers and property owners benefiting from the services. The Owner acknowledges, therefore, that (i) from time to time the Town may impose rates, fees, and charges and may issue potable-water system and wastewater-system regulations and policies that impose restrictions and requirements on its customers and benefiting property owners, such as the Owner and it successors, and (ii) so long as the Owner or successors are required to pay only their fair share for such rates, fees, and charges, then the imposition of such rates, fees, and charges and the issuance of such system regulations are not prohibited by or otherwise a breach of this Agreement.

5. *Reclaimed Water*. The Owner must install reclaimed water lines as required by the Town's Code of Ordinances, and shall obtain reclaimed-water service for the Project when the Town constructs reclaimed-water lines to the Project's boundaries. Until such time as the Town supplies reclaimed water, the Owner and its successors shall use the reclaimed

water lines to irrigate properties within the Project boundaries, but only with stormwater from on-site stormwater-retention ponds or with sources other than potable water as may be approved by the Town.

(h) Solid Waste

Solid Waste collection shall be pursuant to Town regulations.

(i) Drainage

The maintenance, repair, and replacement of the drainage system shall be the responsibility of the homeowners association(s).

(j) Transportation

Street and Sidewalks

There must be two ingress and egress points to Revels Road and one ingress/egress point to Lake County-A, each a full intersection in the approximate location shown on the Conceptual Land Use Plan. Also, there must be paved access stubbed to the north line of the property at the parcel owned by the Town, as shown on the Conceptual Land Use Plan.

All streets must have a minimum 50-foot right-of-way, curb and gutter, and a minimum 24-foot-wide pavement with minimum 12-foot travel lanes. Provision must be made in the rights-of-way for underground utilities.

Realignment of East Revels Road must be completed as part of the first phase of the Project and approved as part of the subdivision construction plans. The realignment is a material condition of approval of the Project and this Agreement. If the realignment is not approved by FDOT substantially as shown on the Conceptual Land Use Plan, the Town may require resubmittal and further review and approval, as a major amendment, of a revised Conceptual Land Use Plan.

The Project must have a connected street system that serves vehicles, pedestrians and bicycles and that connects to recreation facilities and adjacent residential/community areas. All streets must be public, dedicated to and maintained by the Town. No streets in the Project may be gated or otherwise restricted or obstructed by the Owner, by a homeowners' or property owners' association, or by any other person or entity.

All portions of the development must be accessible by a direct, convenient, attractive, safe, and comfortable system of pedestrian facilities. The development must provide appropriate pedestrian amenities. A bicycle/pedestrian path with minimum width of ten feet must be constructed along Revels Road, consistent with the Town's bicycle/pedestrian plan and connecting to the proposed trailhead on SR 19 and a pathway to be built through The Reserve PUD to No. 2 Road. A minimum five-foot sidewalk must be constructed along both sides of each interior street. All sidewalks within rights-of-way must be dedicated to and maintained by the Town.

Transportation Concurrency and Proportionate Fair Share Mitigation

The Project must undergo concurrency review. The Owner must complete and submit for review prior to building permits a traffic-impact analysis. If required based on that traffic study, the Owner must fund its proportionate fair share of traffic improvements along SR-19 and other key roads as concluded by the traffic study's analysis of project traffic contributing to the needed improvements. Payment of the Owner's fair share must be made on or before the issuance of the 50th building permit.

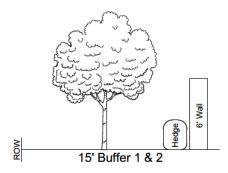
(k) Schools. The Project must apply for concurrency review at Lake County Public Schools. The school district has a specific application process. The Project must be shown to have appropriate school concurrency before building permits are issued.

(1) Landscaping Requirements. All landscaping and buffer requirements shall be in accordance with the LDC and as illustrated on the Conceptual Land Use Plan with the exception of the following:

- 1. All buffer, street, and canopy trees planted at the Project will be a minimum of a 2" caliper;
- 2. the Owner shall require homebuilders to plant at least one canopy tree for each single-family lot of at least 3" DBH; and
- 3. the developer will replace the equivalent of 30% of total tree-inches removed.

All trees planted at the Project shall adhere to the current guidelines established by the Florida Grades and Standards for nursery-grown trees and must be Florida grade #1 or better.

Developer must install street trees along the roadway where common areas abuts the road as required by the LDC. The cross section for the buffer areas is shown below.



Cross-Section of Buffers 1 and 2

(m) **Tree Protection.** Under no circumstances may any tree, regardless of size or species, be removed from any designated wetland or conservation easement. Trees proposed to be maintained on site must comply with LDC requirements. No construction activity, equipment or material is permitted inside a tree protection barrier.

Citrus trees are excluded from Town tree-protection requirements. However, where citrus grove exists in an open-space area on the Conceptual Land Use Plan, all or a portion of the grove, as

determined by the Town Manager, must remain in the open-space area as a community-garden type activity.

(n) Lighting. Decorative street lighting (Sanibel fixture, a Duke Energy standard fixture) must be installed (i) at every intersection, (ii) at the end of each cul-de-sac, and (iii) at intervals of 300 feet or as approved otherwise by the Town Manager. Street lighting must be installed by the Owner. All lighting must be directional, shielded lighting designed to minimize light pollution. All lighting must be maintained by the HOA.

(o) Utilities. All utilities must be underground.

(p) Signage. Entrance signs and informational signage may be located in buffers, setbacks/and or signage easements as approved by the Planning and Zoning Board. The Owner shall present a sign plan for review and approval by the Planning and Zoning Board with the final site plan. The Town Council has approved use by the Owner and/or builder(s) of vertical marketing flags, also known as feather banners, with the following stipulations:

- 1. Feather banners must be placed no less than 200 feet apart.
- 2. A maximum of 10 feather banners, in total.
- 3. Feather banners cannot be placed within the right of way.
- 4. Feather banners cannot be located offsite of PUD property.
- 5. Feather banners cannot exceed 12 feet in height.
- 6. Feather banners must be replaced or removed if they become faded, torn, or tattered.
- 7. Feather banners must be removed when 90% of the homes in the development have received building permit approval.

Pole signs and billboards are prohibited. All additional signage not previously approved must be in compliance with the requirements in the LDC.

(q) Maintenance of Common Areas. Maintenance of all common areas within the Project is the responsibility of the homeowners' association(s) for the affected subdivision.

(r) **Prohibited Uses.** No manufactured or modular homes are allowed.

Section 2. Amendments. A substantial deviation from the Conceptual Land Use Plan in Attachment B or deviation from the other terms of this Agreement may occur only if approved by the Town Council in the manner required by law or otherwise as determined by Town Council, which may include public notice(s) and hearing(s).

Minor amendments needed once final engineering is completed may be reviewed and approved by the Town Manager without referral to the Planning and Zoning Board or Town Council. Whether a proposed amendment is major or minor will be determined by the Town Manager.

Section 3: Notices. All notices or payments required to be made hereunder shall be made at the following addresses:

To Town:	Sean O'Keefe, Town Manager Town of Howey-in-the-Hills 101 North Palm Avenue Howey-in-the-Hills, FL 34737 sokeefe@howey.org
With copies to:	John Brock, CMC, Town Clerk Town of Howey-in-the-Hills 101 North Palm Avenue Howey-in-the-Hills, FL 34737 jbrock@howey.org
	Thomas J. Wilkes, Town Attorney Gray Robinson, P.A. 301 East Pine Street, Suite 1400 Orlando, FL 32801 <u>twilkes@gray-robinson.com</u>
To Owner:	Craig C. Harris, Manager Revels Road Investors, LLC 210 Hangar Road Kissimmee, FL 34741
With copies to:	Chris Gardner, Manager CKG Development and Realty, LLC 1482 Granville Drive Winter Park, FL 32789 <u>chris@condevfl.com</u>
	Carolyn Haslam Akerman LLP 420 S. Orange Avenue, Suite 1200 Orlando, Florida 32801 carolyn.haslam@akerman.com

Section 4: Severability. If any provision or portion of this Agreement is declared by a court of competent jurisdiction to be void, unconstitutional, or unenforceable, then all remaining provisions and portions of this Agreement shall remain in full force and effect. To that end, this Agreement is declared to be severable.

Section 5: Binding Effect. This Agreement runs with the land and is binding on and enforceable by and against the parties hereto and all their successors in interest. However, no Lot Owner shall have the obligations imposed on the Owner as the developer of the Project under this Agreement. For that purpose, a "Lot Owner" means an end-user of a lot created within the Property with a completed residential unit constructed thereon, for which a certificate of occupancy has been issued. Each party covenants to each other party that this Agreement is a legal, valid, and binding agreement, enforceable against the party in accordance with its terms.

Section 6: **Negotiated Agreement.** The land uses, densities, intensities, and other conditions of approval of the Project have been negotiated and agreed to by the Owner and the Town. The Conceptual Land Use Plan and this Agreement together constitute an agreement between the parties with the knowledge that the Owner's successors in title, the future homeowners, and other landowners within the Property, as well as the Town and its affected property owners and residents, all will rely justifiably on the agreed-to land uses, densities, and intensities authorized hereby for the Property. For that reason, the Owner and the Owner's successors in interest have the contract right to develop the PUD with the uses, densities, and intensities approved by the Town, subject to the restrictions and requirements in the conditions of approval set forth in this Agreement. Neither the Owner (and its successors in interest) nor the Town shall have the right in the future to rezone or downzone the property, or otherwise alter the uses, densities and intensities, or delete, waive or amend any conditions of approval except through an amendment to the Plan negotiated and approved by the Town Council and the owner of the then-subject parcel. This section shall survive the termination and expiration of this Agreement.

Section 7. Homeowners' Association(s).

(a) Association Responsibilities. A homeowner's association and/or a property owner's association ("HOA") must be created by the Owner. Membership in the HOA shall be mandatory for all property owners within the Project. The HOA shall be responsible for maintaining all parks, open-space and buffer areas, streetlights, stormwater-management areas and drainage systems, entrance features, boundary walls and/or fences, access tracts, and landscaped tracts within the Project.

(b) **Requirement for Plat Recording.** Before a plat may be recorded for the Property and the Project, the Owner shall furnish to the Town copies of the pertinent documents for the homeowners' or property owners' association or associations, plus the covenants, conditions and restrictions for the Property, setting forth the requirements and restrictions enumerated in this section 7 and other applicable parts of this Agreement.

Section 8. Additional Requirements.

a. **Letter of credit.** Construction and dedication to the Town of the public facilities and improvements required under this Agreement will be a condition precedent to final plat approval. In lieu of construction and dedication, however, the Owner may post a letter of credit with the Town for 125% of the cost of such improvements, in which event this condition precedent to final plat approval will be deemed satisfied.

b. **Conveyances to the Town.** Property dedicated or otherwise conveyed to the Town under this Agreement must be free and clear of encumbrances unless and to the extent an encumbrance is acceptable to the Town. Encumbrances discovered after the Effective Date of this Agreement must be removed or resolved by the Owner or its successor developer prior to dedication or conveyance of the affected property to the Town.

c. **Changes in status of land.** Until completion of the Project, the Owner or its successor developer of the Project has a continuing duty (i) to disclose promptly to the Town all changes in ownership, encumbrances, and other matters of record affecting the Property and (ii) to resolve all issues, title or otherwise, that may be identified by the Town as a result of such changes. Failure to disclose such changes or to resolve resulting issues may result in delay in issuance of development permits.

d. **Developer representations binding.** If at Town Council hearings on the approval of the Project the Owner makes a written or oral promise or representation, and if the promise or representation was relied upon by Town Council in approving the Project or otherwise acted to induce or materially influence Town Council in its vote to approve the Project, the promise or representation is a condition of approval of the Project. The promise or representation is binding on the Owner and its successors and enforceable by the Town against the Owner and its successors as if set forth fully in this Agreement.

Section 9. Governing Law. This Agreement shall be governed by the laws of the State of Florida. Venue for any judicial proceeding pertaining to the Agreement shall be in the Fifth Judicial Circuit of Florida, in Lake County, Florida.

Section 10. Effective Date; Termination.

(a) **Effective Date.** This Agreement shall take effect upon the Effective Date above, or on the date when it has been executed by both the Town Council and the Owner, whichever is later.

(b) **Termination**. This Agreement shall remain in effect unless and until terminated under one of the following conditions:

- 1. If as of the **second** anniversary of the Effective Date of this Agreement an Owner's contract right to treatment and disposal services by the CDD, as required under Section 1(g)1 above, has not taken effect, the Town may terminate this Agreement by vote of its Town Council. The vote must occur no later than (i) the **third** anniversary of the Effective Date or (ii) the CDD Contract Date, whichever occurs first. The "CDD Contract Date" is the date on which the Owner's contract right to treatment and disposal services by the CDD takes effect.
- 2. If as of the **second** anniversary of the CDD Contract Date no building permit for a residential unit in the Project has been issued, the Town may terminate this Agreement by vote of its Town Council. The vote must occur no later than (i) the **third** anniversary of the CDD Contract Date or (ii) the date a building permit is issued, whichever occurs first.
- 3. If as of the **fifth** anniversary of the CDD Contract Date no building permit for a residential unit in the second phase of the Project has been issued, the Town may terminate this Agreement by vote of its Town Council, but only as it applies to development of the second phase. The vote must occur no later than (i) the **sixth** anniversary of the CDD Contract Date or (ii) the date a building permit is issued

for a residential unit in the second phase, whichever occurs first. Termination of the Agreement for this reason will not act to preclude the Owner or its successor from completing the first phase of the Project.

Termination of this Agreement, in whole or in part, under this section shall be without prejudice to the Owner or its successor to apply for Town approvals to undertake or continue development of the Property in accordance with the circumstances and land-development regulations then existing in the Town.

Section 11. Recording. This Agreement shall be recorded by the Town, at the Owner's expense, in the Public Records of Lake County, Florida, and shall constitute a covenant running with the land.

Section 12. Authority. This Agreement is entered into by the Town under the home-rule powers granted to it by the Florida constitution (including specifically Article VIII, Section 2(b) thereof), the home-rule powers granted municipalities by statute (including specifically Chapter 166, Florida Statutes), and the Town's Charter. This Agreement does not constitute a "development agreement" under the Florida Local Government Development Agreement Act.

Section 13. Entire Agreement. This Agreement constitutes the entire agreement of the parties with respect to the transactions contemplated herein. It supersedes all prior understandings or agreements between the parties relating to the Property and the Project. No amendment to the terms of this Agreement shall be effective unless in writing signed by all parties hereto. Amendments to this Agreement will take effect and will be binding against the Town only if approved by a vote of the Town Council.

Section 14. Waiver. The failure of a party hereto to insist upon or enforce any right or privilege granted hereunder shall not constitute or operate as a waiver thereof and nothing shall constitute a waiver of any party's right to insist upon strict compliance with the terms hereof. However, any party may waive in writing the benefit of any provision or condition for its benefit which is contained herein. Waivers of material provisions of either this Agreement or the Town's LDC will be valid and binding against the Town only if approved by a vote of the Town Council.

[Signature pages follow]

IN WITNESS WHEREOF, the parties are signing this Agreement as of the Effective Date or, if later, the date by which both parties have fully executed this Agreement.

TOWN OF HOWEY-IN-THE HILLS, FLORIDA

By: its Town Council

By: _

Hon. Martha McFarlane, Mayor

Attest:

Ву:_____

John Brock, CMC, Town Clerk

Approved as to form and legality: (for the use and reliance of the Town only)

Thomas J. Wilkes, Town Attorney

STATE OF FLORIDA COUNTY OF LAKE

The foregoing instrument was executed, sworn to and acknowledged before me this _____ day of ______, 2022, by Martha McFarlane, as Mayor of the Town of Howey-in-the-Hills.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____ Type of Identification Produced: _____

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Item 5.

By:_____ Craig C. Harris As its Manager Printed Name:

STATE OF FLORIDA COUNTY OF _____

The foregoing instrument was executed, sworn to and acknowledged before me this _____ day of _____, 2022, by Craig C. Harris, Manager of REVELS ROAD INVESTORS, LLC, a Florida limited liability company, on their behalf.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____ Type of Identification Produced:

Printed Name:



Witnesses:

Attachment A To WATERMARK PUD DEVELOPMENT AGREEMENT

LEGAL DESCRIPTION

(35-20-25-0150-000-01200) ORB 2732, PG 1039

LOT 12; ALSO BEGIN 99 FEET SOUTH 1°32' WEST OF THE NORTHWEST CORNER OF LOT 16, THENCE RUN EAST TO THE SOUTHEASTERN BOUNDARY OF LOT 16; THENCE SOUTHWESTERLY ALONG THE SOUTHEASTERN BOUNDARY OF LOT 16 TO THE POINT OF BEGINNING; LOTS 26 AND 27, LESS THAT PART INCLUDED IN CLAY PIT, ALL ACCORDING TO THE PLAT OF FIRST SUBDIVISION OF HOWEY, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. ORB 2732 PG 1041

PARCEL NO. 1 (35-20-25-0150-000-00100) LOT 1 IN 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

PARCEL NO.2 (35-20-25-0150-000-00100) THAT PART OF 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE INTERSECTION OF THE NORTH LINE OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 25 EAST, IN LAKE COUNTY, FLORIDA, WITH THE EASTERLY LINE OF THE RIGHT OF WAY OF SUNSET DRIVE AS SHOWN UPON SAID PLAT AND RUN THENCE EAST ALONG SAID NORTH LINE TO A POINT ON THE WATERS-EDGE OF LAKE BERTHA, SAID POINT BEING HEREBY DESIGNATED AS POINT "A". BEGIN AGAIN AT THE POINT OF BEGINNING AND RUN SOUTHERLY AND SOUTHEASTERLY ALONG THE EASTERLY LINE OF SAID RIGHT OF WAY TO THE WESTERLY LINE OF LOT 4 AS SHOWN UPON SAID PLAT; THENCE NORTHEASTERLY ALONG THE WESTERLY LINE OF SAID LOT 4 TO THE WATERS OF LAKE BERTHA; THENCE WESTERLY AND NORTHERLY ALONG AND WITH THE WATERS OF LAKE BERTHA TO THE ABOVE-DESIGNATED POINT "A".

PARCEL NO. 3 (02-21-25-0001-000-03700) THAT PART OF THE NORTH 1/2 OF GOVERNMENT LOTS 1 AND 2 IN SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, IN LAKE COUNTY, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHEAST CORNER OF SAID SECTION 2, RUN THENCE SOUTH 00°06'05" EAST ALONG THE EAST LINE THERE OF, 1139.8 FEET; THENCE RUN NORTH 89°29'20" WEST 2668.76 FEET TO THE WEST LINE OF SAID GOVERNMENT LOT 2; THENCE RUN NORTH 00°09'00" WEST ALONG SAID WEST LINE 1125.96 FEET TO THE NORTHWEST CORNER OF SAID GOVERNMENT LOT 2; THENCE RUN SOUTH 89°46'40" EAST ALONG THE NORTH LINE OF SAID SECTION 2 FOR 2669.20 FEET TO THE POINT OF BEGINNING.

Total Acreage: 99.19

Draft 11-10-2022

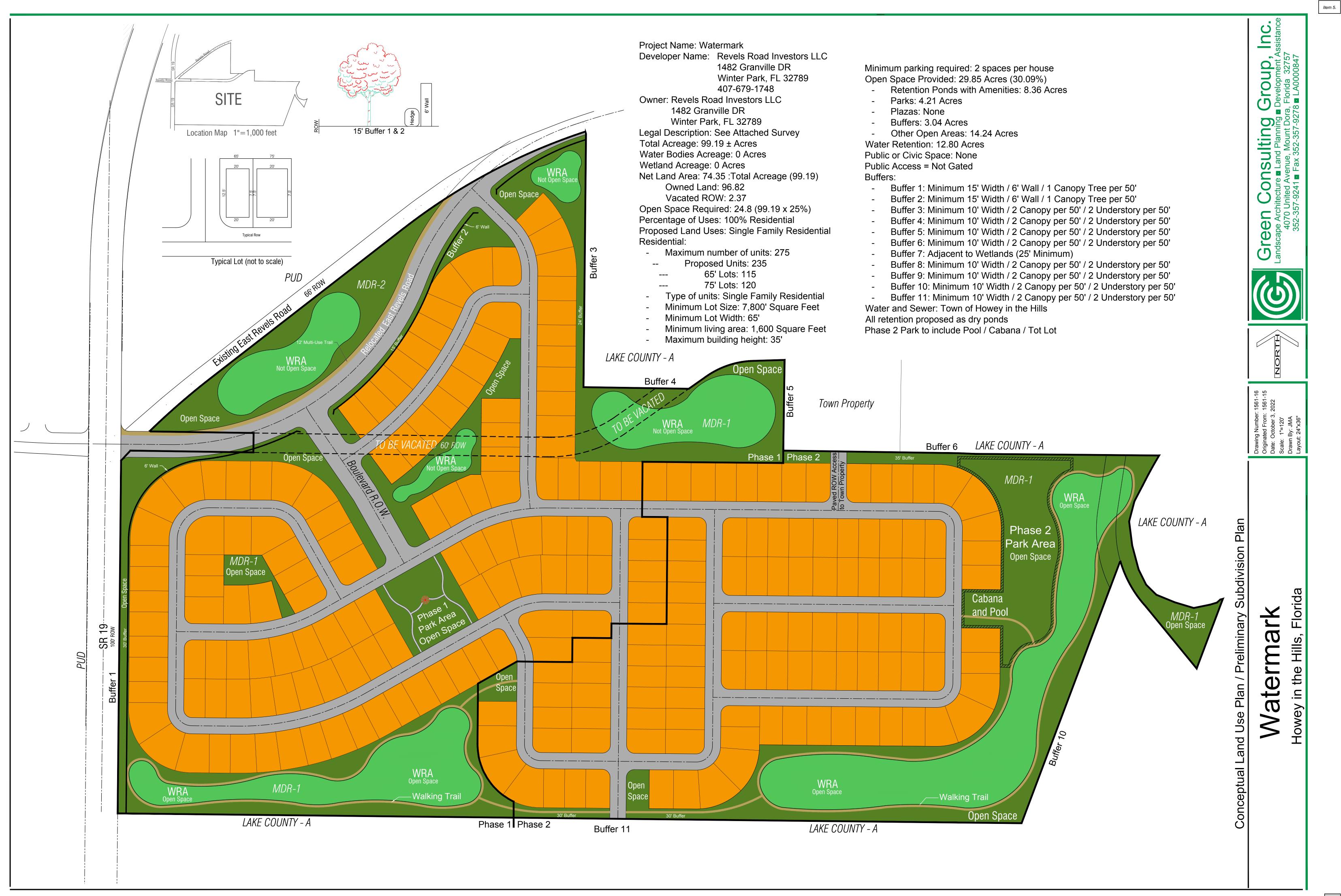
Item 5.

Attachment B To WATERMARK PUD DEVELOPMENT AGREEMENT

CONCEPTUAL LAND USE PLAN

[to be added]

#47805050 v6



This instrument prepared by and should be returned to:

Thomas J. Wilkes GrayRobinson 301 East Pine Street, Suite 1400 Orlando, Florida 32801

As approved by Town Council for the Town of Howey-in-the-Hills, Florida

WATERMARK PUD DEVELOPMENT AGREEMENT

This **WATERMARK PUD DEVELOPMENT AGREEMENT** ("Agreement") is made as of the _____ day of _____, 2022 ("Effective Date"), between the **Town of Howey-in-the-Hills, Florida**, a Florida municipal corporation (the "Town"), and **Revels Road Investors, LLC**, a Florida limited liability company (the "Owner").

RECITALS

A. The Owner owns approximately 99.19 acres of property more particularly described in **Attachment A** to this Agreement ("the Property").

B. The Property is within the corporate limits of the Town. The Town has assigned the Property a future-land-use designation of Medium Density Residential and has rezoned the Property from MDR-1 and MDR-2 to PUD - Planned Unit Development.

C. The Owner intends to develop and use the Property for single-family residential purposes as more specifically set forth herein ("the Project"), to be known as the "Watermark PUD."

D. The Town and Owner enter into this Agreement to set forth the terms and conditions of approval negotiated between them for the development and use of the Property as the Watermark PUD.

NOW, THEREFORE, the Town and the Owner agree as follows:

Section 1: Land development and uses. Development and use of the Property is subject to the following conditions, requirements, restrictions, and terms:

(a) General. Development of the Project and use of the Property shall be governed by this Agreement, the Town's Comprehensive Plan, the Town's Land Development Code ("LDC") and Code of Ordinances ("Town Code"), and all other applicable state laws and regulations and Town ordinances and rules. Where in conflict, the terms of this Agreement shall supersede and prevail over the LDC and Town Code, but only to the extent of the conflict.

In the Conceptual Land Use Plan for the Project the term "conceptual" means the location of land uses on the site, including areas for residential development, open space, stormwater management, parks, and roads in relation to the site area and other uses on the site. Subsequent plan development may refine the details based on detailed engineering design. "Conceptual" does not mean or contemplate the modification of proposed housing types or the relocation of land uses and roads other than minor adjustments dictated by engineering needs and best practices.

Unless otherwise noted, the definition of terms in this Agreement shall be the same as the definitions set forth in the LDC.

(b) **Phasing.** The project will be developed in two phases, as shown on the Conceptual Land Use/Preliminary Subdivision Plan. Each phase must be designed and built to operate independently with regard to traffic and utility services. Revisions to the phasing schedule shall be considered as minor amendments to this Agreement, which may be approved by Town Council with no formal amendment to this Agreement required.

- (c) Purpose. The purpose of the Watermark PUD is to:
- 1. Create an attractive and high-quality single-family housing development compatible with the scale and character of existing residential development and land uses in the Town;
- 2. Develop a residential area that is safe, comfortable and attractive for and to pedestrians;
- 3. Create a community with direct visual and physical access to open land, with a strong community identity, and with amenities in the form of community open space;
- 4. Provide a network of open space for future homeowners; and
- 5. Provide a variety of lot sizes and housing choices for diverse age and income groups and residential preferences.

(d) Land uses. The Conceptual Land Use Plan for the Project is contained in Attachment B and is an integral part of the approval of the Project. Elements in the Concept Plan include single-family detached homes and approximately 31.32 acres of recreation.

(e) Development standards.

Setbacks

The following setbacks shall be applied:

Front: Rear: Side:	20 feet 25 feet 7.5 feet
Wetland:	25 feet
Corner:	12.5 feet
Pool / Accessory	10 feet

The recorded covenants, conditions, and restrictions for the Property must recite that (i) 65-foot lots may require a zoning variance before a pool can be installed and (ii) the Town Council legally may grant or deny such a zoning variance in its sole discretion. Also, each initial purchaser of a home on a 65-foot lot must be informed in writing by the developer or homebuilder before closing the purchase that Town Council may refuse to grant a variance for a pool on the lot, should the purchaser need a variance to install a pool. The substance of the disclosure statement used by the developer or builder must be approved by the Town Manager before being delivered to prospective homebuyers.

Lot Size

A range of lot sizes shall be provided in order to create variety and offer opportunity for different income households. Minimum lot size will be 65' x 120'. The Project may consist of up to 235 total lots of 65' x 120' and 75' x 120'. No fewer than 118 fifty percent (50%) or 118 lots if the development includes 235 lots must be 75' x 120'.

Dwelling Size

The minimum dwelling size for all single-family residences shall be 1,600 square feet of heated/air-conditioned space under roof plus a two-car garage with a minimum of 400 square feet.

Lot Width

The minimum lot width at building line shall be 65 feet with a minimum street frontage of 30 feet.

Lot Coverage

Lots shall have a maximum lot coverage of 60%, to include principal dwelling, all paved areas, and swimming pools, except that on a 65-foot lot the maximum lot coverage may be 70% if a swimming pool is built.

Height of Structures

No residential structure may exceed 35 feet in height

Building Design

Building design shall be in accordance with the Architectural Requirements of the Town's LDC and will comply specifically with the design requirements of LDC Sections 4.06.02 and 4.06.03.

The following principles seek to promote a high quality development that will create a sense of place and community through the development of the site.

- Housing styles, shapes and materials shall meet the Towns Land Development Regulations.
- The different housing types shall be integrated architecturally in order to give the development a harmonious appearance.

- The creation of visual richness shall be considered when choosing materials and details. Local characteristics are encouraged.
- Side entrances for garages are encouraged.
- A variety of roof heights, pitches and materials will be encouraged.
- Landscaping shall be incorporated into the overall design as a means of linking the development areas with the open spaces.
- Each exterior wall for a single-family home must be a minimum of two materials and a minimum of two colors. Primary facades must have one base color and a complementary wall material may be used to meet the second color requirement.
- Block face restrictions may be reduced to 300 linear feet. The same house model may not be used more than three times within a single block face. For purposes of this requirement, a different house model is a different floor plan, not the same floor plan flipped in a different direction and not the same floor plan with a different exterior treatment.

(f) Wetlands Buffer Requirement. No development is allowed within jurisdictional wetlands on the property. A minimum upland buffer of 25 feet along each wetland must be platted in a tract, to be maintained by the HOA. No development except passive recreation is permitted in wetland areas.

(g) **Potable water, wastewater, and reclaimed water.** Well and septic systems are not allowed. The Project must be connected to and served by the Town's potable-water and wastewater systems prior to a certificate of occupancy being issued for a structure in the Project (except temporary construction uses).

Except as may be set forth otherwise in this Agreement, the Owner must install all on-site potablewater, wastewater, and reclaimed-water infrastructure and connect to the Town's water and wastewater systems, and to the Town's reclaimed-water system when available at the Property boundary, all at no cost to the Town. The Owner must pay potable-water, wastewater, and reclaimed-water capital and connection charges, impact fees, and other Town rates, fees, and charges, either applicable currently or in the future.

1. Potable Water. The Town will provide potable water, and may in the future provide reclaimed water, to the Project in accordance with its applicable ordinances, resolutions, operating regulations, policies and procedures. The Town will provide potable water to the Property in sufficient quantities for development of the Project as contemplated herein, subject to the limitations and requirements of permits issued to the Town from time to time by the St. John's River Water Management District in connection with water consumption.

The Owner shall construct, at no expense to the Town, all off-site potable-water-system facilities, lines, pumps, valves, control structures, and appurtenances (other than water-treatment plants) necessary to serve the Project. The construction and route of off-site lines and other structures shall be done according to engineering plans prepared by the Owner and approved by the Town Manager.

2. *Wastewater*. The Town will provide wastewater-collection and transmission service to the Project, transmitting Project wastewater to the Central Lake Community Development District ("CDD"). The Owner must obtain from the CDD a contract right for the Project to receive treatment and disposal of its wastewater at the CDD's treatment and disposal facilities.

The Owner shall construct, at no expense to the Town, all off-site wastewater-system facilities, lines, lift stations, pumps, valves, control structures, and appurtenances (other than wastewater-treatment plants and disposal facilities) necessary to serve the Project. The construction and route of off-site lines, lift stations, pumps, and other structures shall be done according to engineering plans prepared by the Owner and approved by the Town Manager.

3. Town Option to Oversize Water and Wastewater Lines. Within 180 days of the effective date of the Owner's contract right to receive wastewater-treatment and –disposal service from the CDD, as referenced above, the Town may elect to oversize the off-site lines, pumps, improvements, or other facilities or appurtenances for the Town's water or wastewater system, or for both. If the Town elects to oversize one or both systems, it must inform the Owners in writing of the specifications for the oversizing(s) within the 180-day period. The Town shall reimburse the Owner for the difference in the increase in cost of design, materials and construction to oversize the improvements based on plans and cost estimates provided by the Owner to the Town and approved by the Town Manager, which approval shall not be unreasonably withheld, conditioned or delayed. The Town shall reimburse the Owners for the difference in the improvements and (ii) receipt by the Town of documentation reasonably demonstrating that the Owner has completed the work and has incurred the costs attributable to the over-sizing, all in keeping with the plans and cost estimate previously approved by the Town Manager.

4. Permit-Induced Costs, Restrictions, Requirements, and Risks. Under state and federal laws and regulations, the Town may provide its potable-water and wastewater services to the Property and the Owner and its successors only if the Town first has been issued certain required permits. The Owner acknowledges that the permits are inevitably conditioned with requirements and restrictions that typically impose costs and risks. The Owner further acknowledges that, for the Town to operate its potable-water and wastewater systems in an orderly, dependable, and cost-effective manner, the Town must have the ability legally to spread the costs and risks among customers and property owners benefiting from the services. The Owner acknowledges, therefore, that (i) from time to time the Town may impose rates, fees, and charges and may issue potable-water system and wastewater-system regulations and policies that impose restrictions and requirements on its customers and benefiting property owners, such as the Owner and it successors, and (ii) so long as the Owner or successors are required to pay only their fair share for such rates, fees, and charges, then the imposition of such rates, fees, and charges and the issuance of such system regulations are not prohibited by or otherwise a breach of this Agreement.

5. Reclaimed Water. The Owner must install reclaimed water lines as required by the Town's Code of Ordinances, and shall obtain reclaimed-water service for the Project when the Town constructs reclaimed-water lines to the Project's boundaries. Until such time as the Town supplies reclaimed water, the Owner and its successors shall use the reclaimed water lines to irrigate properties within the Project boundaries, but only with stormwater from on-site

stormwater-retention ponds or with sources other than potable water as may be approved by the Town. Except for installation of reclaimed lines at the time of development as noted above, connection to reclaimed water after the development of the Project may not result in additional costs to the Owner or developer.

(h) Solid Waste. Solid Waste collection shall be pursuant to Town regulations.

(i) **Drainage.** The maintenance, repair, and replacement of the drainage system shall be the responsibility of the homeowners association(s).

(j) Transportation

Street and Sidewalks

There must be two ingress and egress points to Revels Road and one ingress/egress point to Lake County-A, each a full intersection in the approximate location shown on the Conceptual Land Use Plan. Also, there must be paved access stubbed to the north line of the property at the parcel owned by the Town, as shown on the Conceptual Land Use Plan.

All streets must have a minimum 50-foot right-of-way, curb and gutter, and a minimum 24-foot-wide pavement with minimum 12-foot travel lanes. Provision must be made in the rights-of-way for underground utilities.

Realignment of East Revels Road must be completed as part of the first phase of the Project and approved as part of the subdivision construction plans. The realignment is a material condition of approval of the Project and this Agreement. If the realignment is not approved by FDOT substantially as shown on the Conceptual Land Use Plan, the Town may require resubmittal and further review and approval, as a major amendment, of a revised Conceptual Land Use Plan.

The Project must have a connected street system that serves vehicles, pedestrians and bicycles and that connects to recreation facilities and adjacent residential/community areas. All streets must be public, dedicated to and maintained by the Town. No streets in the Project may be gated or otherwise restricted or obstructed by the Owner, by a homeowners' or property owners' association, or by any other person or entity.

All portions of the development must be accessible by a direct, convenient, attractive, safe, and comfortable system of pedestrian facilities. The development must provide appropriate pedestrian amenities. A bicycle/pedestrian path with minimum width of ten feet must be constructed along Revels Road along the length of the Property, consistent with the Town's bicycle/pedestrian plan and connecting to the proposed trailhead on SR 19 and a pathway to be built through The Reserve PUD to No. 2 Road. A minimum five-foot sidewalk must be constructed along both sides of each interior street. All sidewalks within rights-of-way must be dedicated to and maintained by the Town.

Transportation Concurrency and Proportionate Fair Share Mitigation

The Project must undergo concurrency review. The Owner must complete and submit for review prior to building permits a traffic-impact analysis. If required based on that traffic

study, the Owner must fund its proportionate fair share of traffic improvements along SR-19 and other key roads as concluded by the traffic study's analysis of project traffic contributing to the needed improvements. Payment of the Owner's fair share must be made on or before the issuance of the $\underline{12550}$ th building permit.

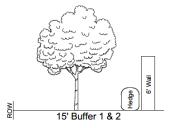
(k) Schools. The Project must apply for concurrency review at Lake County Public Schools. The school district has a specific application process. The Project must be shown to have appropriate school concurrency before building permits are issued.

(I) **Landscaping Requirements.** All landscaping and buffer requirements shall be in accordance with the LDC and as illustrated on the Conceptual Land Use Plan with the exception of the following:

- 1. All buffer, street, and canopy trees planted at the Project will be a minimum of a 2" caliper;
- 2. the Owner shall require homebuilders to plant at least one canopy tree for each single-family lot of at least 3" DBH; and
- 3. the developer will replace the equivalent of 30% of total tree-inches removed.

All trees planted at the Project shall adhere to the current guidelines established by the Florida Grades and Standards for nursery-grown trees and must be Florida grade #1 or better.

Developer must install street trees along the roadway where common areas abuts the road as required by the LDC. The cross section for the buffer areas is shown below.



Cross-Section of Buffers 1 and 2

(m) **Tree Protection.** Under no circumstances may any tree, regardless of size or species, be removed from any designated wetland or conservation easement. Trees proposed to be maintained on site must comply with LDC requirements. No construction activity, equipment or material is permitted inside a tree protection barrier.

Citrus trees are excluded from Town tree-protection requirements. However, where citrus grove exists in an open space area on the Conceptual Land Use Plan, all or a portion of the grove, as determined by the Town Manager, must remain in the open space area as a community garden type activity.

Commented [A1]: Based on grading of the site, this is not likely possible

62610130;8

(n) Lighting. Decorative street lighting (Sanibel fixture, a Duke Energy standard fixture) must be installed (i) at every intersection, (ii) at the end of each cul-de-sac, and (iii) at intervals of 300 feet or as approved otherwise by the Town Manager. Street lighting must be installed by the Owner. All lighting must be directional, shielded lighting designed to minimize light pollution. All lighting must be maintained by the HOA.

(o) Utilities. All utilities must be underground.

(p) Signage. Entrance signs and informational signage may be located in buffers, setbacks/and or signage easements as approved by the Planning and Zoning Board. The Owner shall present a sign plan for review and approval by the Planning and Zoning Board with the final site plan. The Town Council has approved use by the Owner and/or builder(s) of vertical marketing flags, also known as feather banners, with the following stipulations:

- 1. Feather banners must be placed no less than 200 feet apart.
- 2. A maximum of 10 feather banners, in total.
- 3. Feather banners cannot be placed within the right of way.
- 4. Feather banners cannot be located offsite of PUD property.
- 5. Feather banners cannot exceed 12 feet in height.
- 6. Feather banners must be replaced or removed if they become faded, torn, or tattered.
- 7. Feather banners must be removed when 90% of the homes in the development have received building permit approval.

<u>Pole signs and bB</u>illboards are prohibited. All additional signage not previously approved must be in compliance with the requirements in the LDC.

(q) **Maintenance of Common Areas.** Maintenance of all common areas within the Project is the responsibility of the homeowners' association(s) for the affected subdivision.

(r) **Prohibited Uses.** No manufactured or modular homes are allowed.

Section 2. Amendments. A substantial deviation from the Conceptual Land Use Plan in Attachment B or deviation from the other terms of this Agreement may occur only if approved by the Town Council in the manner required by law or otherwise as determined by Town Council, which may include public notice(s) and hearing(s).

Minor amendments needed once final engineering is completed may be reviewed and approved by the Town Manager without referral to the Planning and Zoning Board or Town Council. Whether a proposed amendment is major or minor will be determined by the Town Manager.

Section 3: Notices. All notices or payments required to be made hereunder shall be made at the following addresses:

To Town: Sean O'Keefe, Town Manager Town of Howey-in-the-Hills

62610130;8

Commented [A2]: Removed as there is no definition in the Town Code

101 North Palm Avenue Howey-in-the-Hills, FL 34737 sokeefe@howey.org

With copies to: John Brock, CMC, Town Clerk Town of Howey-in-the-Hills 101 North Palm Avenue Howey-in-the-Hills, FL 34737 jbrock@howey.org

> Thomas J. Wilkes, Town Attorney Gray Robinson, P.A. 301 East Pine Street, Suite 1400 Orlando, FL 32801 twilkes@gray-robinson.com

To Owner: Craig C. Harris, Manager Revels Road Investors, LLC 210 Hangar Road Kissimmee, FL 34741

With copies to: Chris Gardner, Manager CKG Development and Realty, LLC 1482 Granville Drive Winter Park, FL 32789 chris@condevfl.com

> Carolyn Haslam Akerman LLP 420 S. Orange Avenue, Suite 1200 Orlando, Florida 32801 carolyn.haslam@akerman.com

Section 4: Severability. If any provision or portion of this Agreement is declared by a court of competent jurisdiction to be void, unconstitutional, or unenforceable, then all remaining provisions and portions of this Agreement shall remain in full force and effect. To that end, this Agreement is declared to be severable.

Section 5: Binding Effect. This Agreement runs with the land and is binding on and enforceable by and against the parties hereto and all their successors in interest. However, no Lot Owner shall have the obligations imposed on the Owner as the developer of the Project under this Agreement. For that purpose, a "Lot Owner" means an end-user of a lot created within the Property with a completed residential unit constructed thereon, for which a certificate of occupancy has been issued. Each party covenants to each other party that this Agreement is a legal, valid, and binding agreement, enforceable against the party in accordance with its terms.

Section 6: Negotiated Agreement. The land uses, densities, intensities, and other conditions of approval of the Project have been negotiated and agreed to by the Owner and the Town. The Conceptual Land Use Plan and this Agreement together constitute an agreement between the parties with the knowledge that the Owner's successors in title, the future homeowners, and other landowners within the Property, as well as the Town and its affected property owners and residents, all will rely justifiably on the agreed-to land uses, densities, and intensities authorized hereby for the Property. For that reason, the Owner and the Owner's successors in interest have the contract right to develop the PUD with the uses, densities, and intensities approved by the Town, subject to the restrictions and requirements in the conditions of approval set forth in this Agreement. Neither the Owner (and its successors in interest) nor the Town shall have the right in the future to rezone or downzone the property, or otherwise alter the uses, densities and intensities, or delete, waive or amend any conditions of approval except through an amendment to the Plan negotiated and approved by the Town Council and the owner of the then-subject parcel. This section shall survive the termination and expiration of this Agreement.

Section 7. Homeowners' Association(s).

(a) Association Responsibilities. A homeowner's association and/or a property owner's association ("HOA") must be created by the Owner. Membership in the HOA shall be mandatory for all property owners within the Project. The HOA shall be responsible for maintaining all parks, open-space and buffer areas, streetlights, stormwater-management areas and drainage systems, entrance features, boundary walls and/or fences, access tracts, and landscaped tracts within the Project.

(b) **Requirement for Plat Recording.** Before a plat may be recorded for the Property and the Project, the Owner shall furnish to the Town copies of the pertinent documents for the homeowners' or property owners' association or associations, plus the covenants, conditions and restrictions for the Property, setting forth the requirements and restrictions enumerated in this section 7 and other applicable parts of this Agreement.

Section 8. Additional Requirements.

a. **Letter of credit.** Construction and dedication to the Town of the public facilities and improvements required under this Agreement will be a condition precedent to final plat approval. In lieu of construction and dedication, however, the Owner may post a letter of credit or performance bond with the Town for 125% of the cost of such improvements not completed at the time of plat, in which event this condition precedent to final plat approval will be deemed satisfied.

b. **Conveyances to the Town.** Property dedicated or otherwise conveyed to the Town under this Agreement must be free and clear of encumbrances unless and to the extent an encumbrance is acceptable to the Town. Encumbrances discovered after the Effective Date of this Agreement must be removed or resolved by the Owner or its successor developer prior to dedication or conveyance of the affected property to the Town.

c. **Changes in status of land.** Until completion of the Project, the Owner or its successor developer of the Project has a continuing duty (i) to disclose promptly to the Town all

changes in ownership, encumbrances, and other matters of record affecting the Property and (ii) to resolve all issues, title or otherwise, that may be identified by the Town as a result of such changes. Failure to disclose such changes or to resolve resulting issues may result in delay in issuance of development permits.

d. **Developer representations binding.** If at Town Council hearings on the approval of the Project the Owner makes a written or oral promise or representation, and if the promise or representation was relied upon by Town Council in approving the Project or otherwise acted to induce or materially influence Town Council in its vote to approve the Project, the promise or representation is a condition of approval of the Project. The promise or representation is binding on the Owner and its successors and enforceable by the Town against the Owner and its successors as if set forth fully in this Agreement.

Section 9. Governing Law. This Agreement shall be governed by the laws of the State of Florida. Venue for any judicial proceeding pertaining to the Agreement shall be in the Fifth Judicial Circuit of Florida, in Lake County, Florida.

Section 10. Effective Date; Termination.

(a) **Effective Date.** This Agreement shall take effect upon the Effective Date above, or on the date when it has been executed by both the Town Council and the Owner, whichever is later.

(b) **Termination**. This Agreement shall remain in effect unless and until terminated under one of the following conditions:

- If as of the second anniversary of the Effective Date of this Agreement an Owner's contract right to treatment and disposal services by the CDD, as required under Section 1(g)1 above, has not taken effect, the Town may terminate this Agreement by vote of its Town Council. The vote must occur no later than (i) the third anniversary of the Effective Date or (ii) the CDD Contract Date, whichever occurs first. The "CDD Contract Date" is the date on which the Owner's contract right to treatment and disposal services by the CDD takes effect.
- 2. If as of the second anniversary of the CDD Contract Date no building permit for a residential unit in the Project has been issued, the Town may terminate this Agreement by vote of its Town Council. The vote must occur no later than (i) the third anniversary of the CDD Contract Date or (ii) the date a building permit is issued, whichever occurs first.
- 3. If as of the **fifth** anniversary of the CDD Contract Date no building permit for a residential unit in the second phase of the Project has been issued<u>and there is inactivity in the development process within Phase 1</u>, the Town may terminate this Agreement by vote of its Town Council, but only as it applies to development of the second phase. The vote must occur no later than (i) the **sixth** anniversary of the CDD Contract Date or (ii) the date a building permit is issued for a residential unit in the second phase, whichever occurs first. Termination of the Agreement for this

reason will not act to preclude the Owner or its successor from completing the first phase of the Project.

Termination of this Agreement, in whole or in part, under this section shall be without prejudice to the Owner or its successor to apply for Town approvals to undertake or continue development of the Property in accordance with the circumstances and land-development regulations then existing in the Town.

Section 11. Recording. This Agreement shall be recorded by the Town, at the Owner's expense, in the Public Records of Lake County, Florida, and shall constitute a covenant running with the land.

Section 12. Authority. This Agreement is entered into by the Town under the home-rule powers granted to it by the Florida constitution (including specifically Article VIII, Section 2(b) thereof), the home-rule powers granted municipalities by statute (including specifically Chapter 166, Florida Statutes), and the Town's Charter. This Agreement does not constitute a "development agreement" under the Florida Local Government Development Agreement Act.

Section 13. Entire Agreement. This Agreement constitutes the entire agreement of the parties with respect to the transactions contemplated herein. It supersedes all prior understandings or agreements between the parties relating to the Property and the Project. No amendment to the terms of this Agreement shall be effective unless in writing signed by all parties hereto. Amendments to this Agreement will take effect and will be binding against the Town only if approved by a vote of the Town Council.

Section 14. Waiver. The failure of a party hereto to insist upon or enforce any right or privilege granted hereunder shall not constitute or operate as a waiver thereof and nothing shall constitute a waiver of any party's right to insist upon strict compliance with the terms hereof. However, any party may waive in writing the benefit of any provision or condition for its benefit which is contained herein. Waivers of material provisions of either this Agreement or the Town's LDC will be valid and binding against the Town only if approved by a vote of the Town Council.

[Signature pages follow]

IN WITNESS WHEREOF, the parties are signing this Agreement as of the Effective Date or, if later, the date by which both parties have fully executed this Agreement.

TOWN OF HOWEY-IN-THE HILLS, FLORIDA

By: its Town Council

By:

Hon. Martha McFarlane, Mayor

Attest:

By:

John Brock, CMC, Town Clerk

Approved as to form and legality: (for the use and reliance of the Town only)

Thomas J. Wilkes, Town Attorney

STATE OF FLORIDA COUNTY OF LAKE

The foregoing instrument was executed, sworn to and acknowledged before me this _____ day of ______, 2022, by Martha McFarlane, as Mayor of the Town of Howey-in-the-Hills.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____ Type of Identification Produced: _____

62610130;8

13

REVELS ROAD INVESTORS, LLC

By: Craig C. Harris As its Manager

Printed Name:

Witnesses:

Printed Name:

STATE OF FLORIDA COUNTY OF _____

The foregoing instrument was executed, sworn to and acknowledged before me this _____ day of ______, 2022, by Craig C. Harris, Manager of REVELS ROAD INVESTORS, LLC, a Florida limited liability company, on their behalf.

(SEAL)

Signature of Notary Public

Name of Notary Public (Typed, Printed or stamped)

Personally Known _____ OR Produced Identification _____ Type of Identification Produced: _____

Attachment A To WATERMARK PUD DEVELOPMENT AGREEMENT

LEGAL DESCRIPTION

LEGAL DESCRIPTION:

LEGAL DESCRIPTION (PER O.R.N.T.I.C. COMMITMENT NO. 1076543)

PARCEL 1:

THAT PART OF THE NORTH 1/2 OF GOVERNMENT LOTS I AND 2 IN SECTION 2, TOWNSHIP 21 SOUTH, RANGE 25 EAST, IN LAKE COUNTY, FLORIDA, BOUNDED AND DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHEAST CORNER OF SAID SECTION 2, RUN THENCE SOUTH 00°06'05" EAST ALONG THE EAST LINE THEREOF, 1139.8 FEET; THENCE RUN NORTH 89°29'20" WEST 2668.76 FEET TO THE WEST LINE OF SAID GOVERNMENT LOT 2; THENCE RUN NORTH 00°09'00" WEST ALONG SAID WEST LINE 1125.96 FEET TO THE NORTHWEST COMER OF SAID GOVERNMENT LOT 2; THENCE RUN SOUTH 89°46'40" EAST ALONG THE NORTH LINE OF SAID SECTION 2 FOR 2669.20 FEET TO THE POINT OF BEGINNING.

PARCEL 2:

LOTS 26 AND 27, LESS THAT PART INCLUDED IN CLAY PIT, 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

PARCEL 3:

BEGIN 99 FEET SOUTH 1°32' WEST OF THE NORTHWEST CORNER OF LOT 16, 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5. PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, THENCE RUN EAST TO THE SOUTHEASTERN BOUNDARY OF LOT 16, THENCE SOUTHWESTERLY ALONG THE SOUTHEASTERN BOUNDARY OF LOT 16 TO THE SOUTHWEST COMER OF LOT 16, THENCE NORTHERLY ALONG THE WESTERN BOUNDARY OF LOT 16 TO POINT OF BEGINNING.

PARCEL 4:

LOT 12, 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

PARCEL 5:

LOT 1, 1ST SUBDIVISION OF HOWEY, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

AND

THE NORTHEASTERLY 1/2 OF VACATED SUNSET DRIVE LYING NORTH OF THE EXTENSION OF THE SOUTH LINE OF LOT 4 AND THE WESTERLY 1/2 OF VACATED SUNSET DRIVE LYING NORTHERLY OF THE NORTHERLY EXTENSION OF THE WEST LINE OF LOT 2 IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION I, TOWNSHIP 21 SOUTH, RANGE 25 EAST, 1ST SUBDIVISION OF HOWEY, AS RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

LESS THAT PART OF SUNSET DRIVE THAT LIES WITHIN THE FOLLOWING DESCRIBED PARCEL:

AN AREA OF LAND, BEING A CIRCLE WITH A RADIUS OF 60.00 FEET, WHOSE RADIUS POINT IS LOCATED AS FOLLOWS: BEGIN AT THE INTERSECTION OF THE NORTH LINE OF LOT I, 1ST SUBDIVISION OF HOWEY, RECORDED IN PLAT BOOK 5, PAGE 32, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA, AND THE WESTERLY RIGHT OF WAY LINE OF SUNSET DRIVE AS SHOWN ON THE PLAT OF SAID IST SUBDIVISION OF HOWEY; THENCE RUN SOUTH 08°15' WEST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 60.00 FEET TO THE AFOREMENTIONED RADIUS POINT.

Total Acreage: 99.19

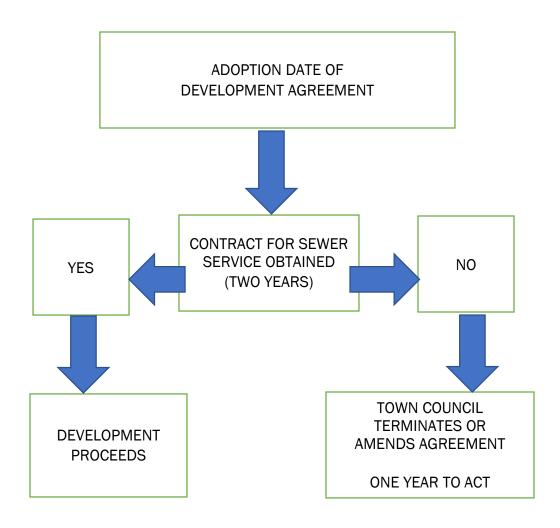
Attachment B To WATERMARK PUD DEVELOPMENT AGREEMENT

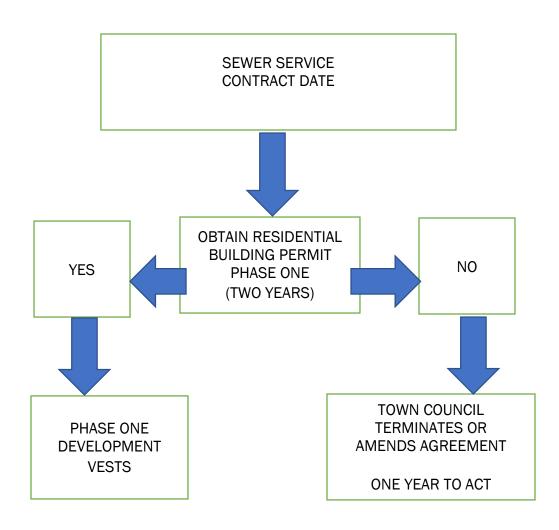
CONCEPTUAL LAND USE PLAN

[to be added]

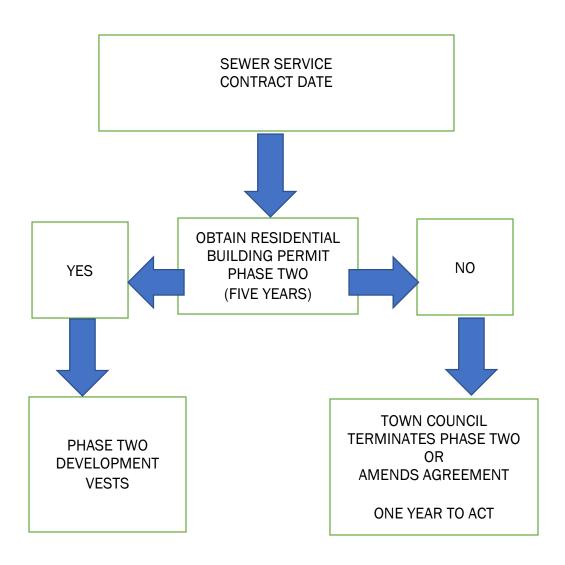
#47805050 v6

WATERMARK DEVELOPMENT AGREEMENT FIRST TERMINATION OPTION SECTION 10 (B) 1

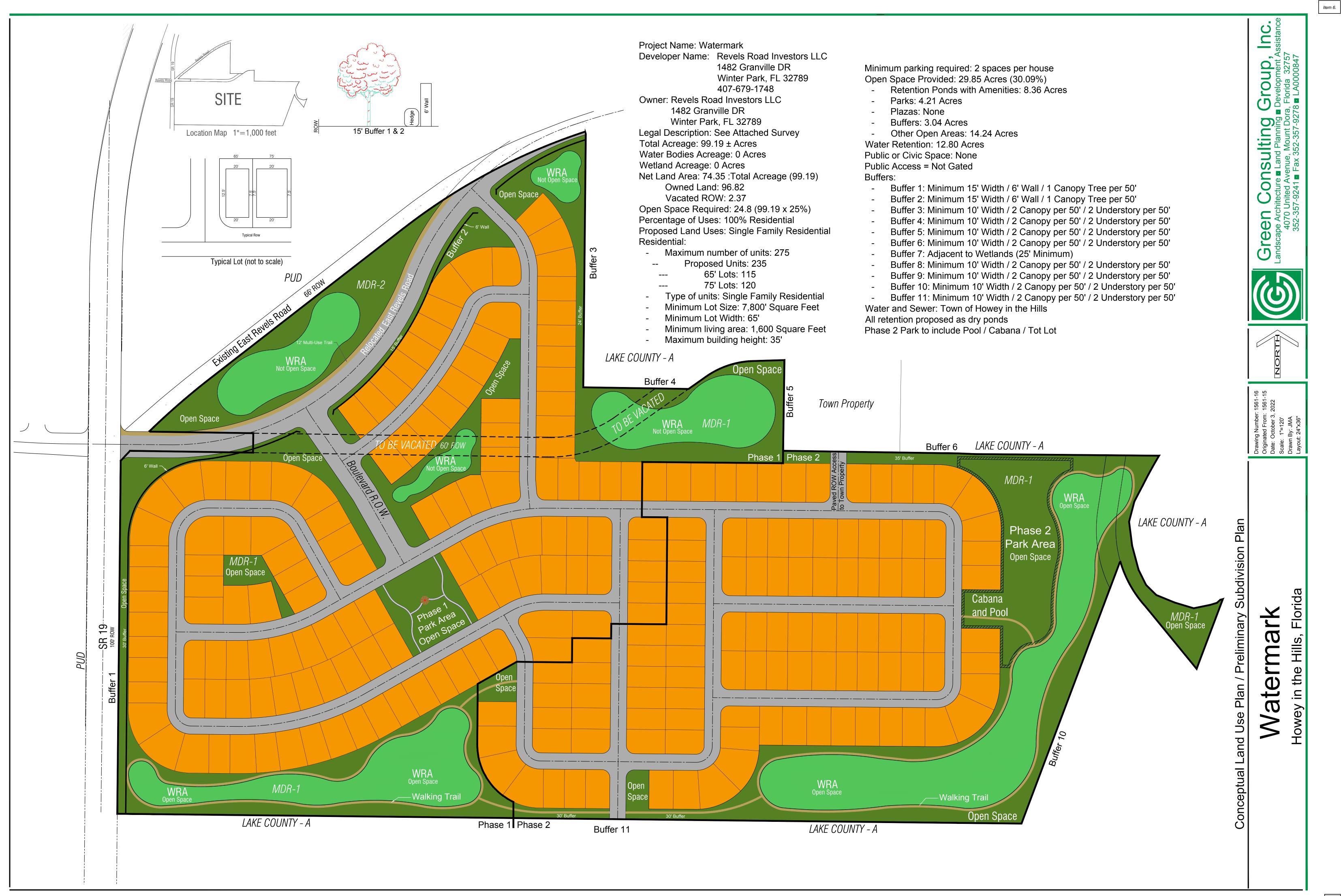


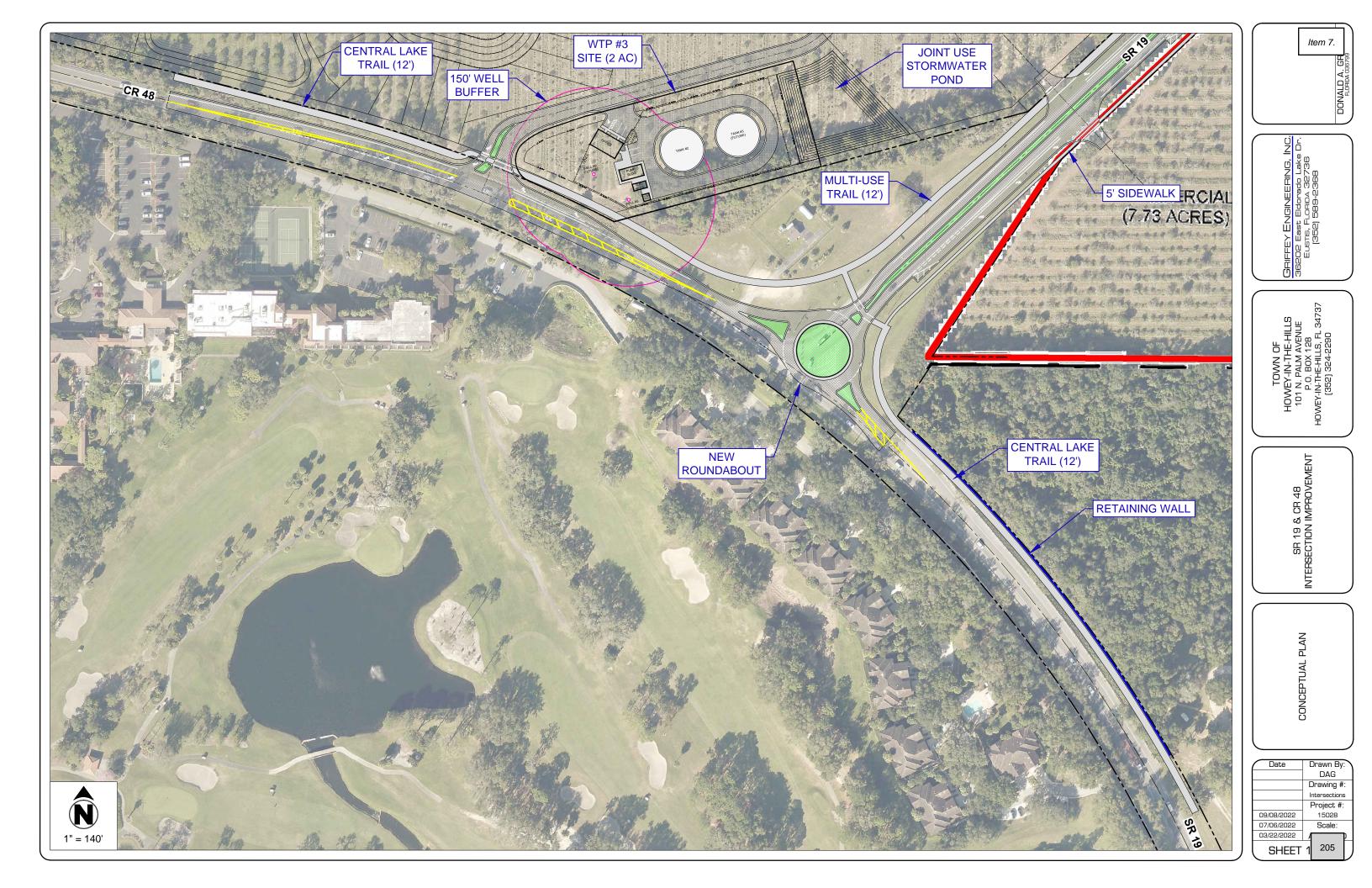


WATERMARK DEVELOPMENT AGREEMENT THIRD TERMINATION OPTION SECTION 10 (B) 3



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opmen	6000	6000	×	4000	1800	0006	7200	×		6000	ALF	Flots
	650	252	313	728	153	156	260	400		555	300	s 3767 Lots
vey-in-the-H Future Devel	Annroved	Proposed	Proposed	Approved	Approved	Approved	Proposed	Proposed	Approved	(County)	Proposed	Total:
HOW seed	Project Lake Hills	Thompson Grove	Carter Project	Hillside Grove (formerly the Reserve)	Venezia Townhomes	Whispering Heights	Simpson Property	Mission Rise		Drake Point	Westminster	ispering Heights berty
Propo	1	son Grove					nomes	*		(2	A Buckhill Rd Operty
- A Mesi		Q	4	A	PUPPUS		ownho	hore	BING		2	Revels Ro Whisy
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Drake Point	Carte				A STATE	1	0				-	Earth
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Item 8.

TOWN OF HOWEY-IN-THE-HILLS APPLICATION FOR BOARDS/COMMITTEES

Please Print Legibly		
Name: Joshua -	tu semann	Date: 24 0CT 202
Home Mailing Address: 671	A	In-TR-Hill, FL 377 B7
Home Physical Address:	nR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Florida Drivers License or ID:		
Phone Number: <u>443-876-</u> 2	615 E-mail Address:	
Education: M.S. K.		joshua. huseman@ gmail. com
	e County Virtual Scho	
Business Address: ZOD		Eustis, FL 32726
Business Phone: 352-463		Tracher
Training or experience related to activi ノーン	ties of boards or committees to which	appointment is sought:
Professional Organizations: NGHI Succer Couches Asso	enal Academy of Specialism of America	arts Medicine, National
Have you served on a Town Board(s)/		Yes No
Name of Boards/Committee(s):	()	Dates Served:
NA		Dates Serveu.
Please check Board(s)/Committee(s) Cemetery Board Historia Preservation Development	that interest you Police Pens	ion Board
Historic Preservation Board	Utility Advis	
Library Board	Visioning Co	ommittee
Planning & Zoning Board	Other	
	Other	
I will attend meetings in accordance wit	h the adopted policies of the Town of	Howey-in-the-Hills. If at any
time my business or professional intere	sts conflict with the interests of this B	oard or Committee, I will not
participate in such deliberations. Reference	Address	
1 Mr. Sean D. Keefe	IDI N. R.Im Ave	Phone Number
2 Mr. Paul Miller	700 W Golf Links Ave	352-724-2790
3 Mrs. Stacie Chark	2000 Wholf Links Aut	
		7-1-00
		Signature of Applicant
In completing this application, you are acknowled	ging that personal information you provide is s	ubject to Florida's Public Records
Policy as stated in Chapter 119, Florida Statutes,		
Addition	al information may be attached to t	his form.
Received by	FOR TOWN HALL USE	- .
Reviewed by Board		Date
Appointed by Town Council	Date	
		20

TOWN OF HOWEY-IN-THE-HILLS APPLICATION FOR BOARDS/COMMITTEES

.

Please Print Legibly	
Name: JENATLAN ARNeld	Date: 18 Oct 2022
	TERRACE, Howey in the Hills, FL 34737
Home Physical Address: (SAME AS MAILING ,	Add RESA
Florida Drivers License or ID:	<u>1-1100 /</u>
Phone Number: (511)243 - にり9め	E-mail Address: joh. arnold 15 egmail, com
Education: <u>MBA</u>	
Business (Name & Type):	
Business Address:	
Business Phone:	Position:
Training or experience related to activities of boards or co 28 yEARS (ISAF, TVEARS Dofew Protocological Operations	mmittees to which appointment is sought: うと くっして にみこての R
UCF Alumni ASSOCIMTION	
Have you served on a Town Board(s)/Committee(s) in the	
Name of Boards/Committee(s):	
Police PENSION Boand (Havey in The	Hills) Dates Served:
	<u>July 2022 - PRESENT</u>
Please check Board(s)/Committee(s) that interest you.	
Cemetery Board	Police Pension Board
Historic Preservation Board	Utility Advisory Board
Library Board	Visioning Committee
_X Parks & Recreation Board	Other
Planning & Zoning Board	Other
I will attend meetings in accordance with the adopted polic time my business or professional interests conflict with the participate in such deliberations. References may be secu Name Address	interests of this Board or Committee, I will not
1	
2	
3	
	Jackblack
In completing this application, you are acknowledging that personal inform Policy as stated in Chapter 119, Florida Statutes, and Article I, Section 24	Signature of Applicant mation you provide is subject to Florida's Public Records 4 of the State Constitution.
Additional information ma	
Received by	
Reviewed by Board	Date
	Date
	<u></u>

			TAE									
	TOWN 5-YEAR ESTIMAT			HE-HILLS,				.e				
	5-TEAR ESTIMA	ED						3				
Description	Funding Source		FY 2023	FY 2024		FY 2025		FY2026		FY2027		Total
Public Services					1		1		1		1	
N. Water Treatment Plant Replacement	A/B/D/F	\$	500,000	\$ 2,000,000	\$	1,500,000	\$	500,000	\$	500,000	\$	5,000,000
Drilling for Well #5 & #6	A/B/D/F	\$	1,500,000								\$	1,500,000
Land Acquisition for WTP #3	A/B/D/F	\$	95,000								\$	95,000
Water mains - south	A/B				\$	50,000	\$	50,000			\$	100,000
Water mains - north	A/B	\$	100,000	\$ 100,000	\$	100,000	\$	100,000	\$	100,000	\$	500,000
Water Master Plan	A/B/D								\$	80,000	\$	80,000
Emergency Lift Station Generators	F			\$ 200,000							\$	200,000
Central Avenue Streetscape	A						\$	30,000	\$	500,000	\$	530,000
Street Paving	A/F			\$ 100,000	\$	100,000	\$	100,000	\$	100,000	\$	400,000
Venezia South Second Access	A						\$	10,000			\$	10,000
Sidewalk Improvements	A	\$	5,000	\$ 10,000	\$	10,000	\$	10,000	\$	10,000	\$	45,000
Annual stormwater improvements	A/B/D/F	\$	10,000	\$ 30,000	\$	30,000	\$	30,000	\$	30,000	\$	130,000
· · ·						· · ·					\$	8,590,000
Library							1		1			
Library Expansion	A/B/D/F	\$	100,000	\$ 800,000	\$	100,000					\$	1,000,000
											\$	1,000,000
Police Department												
New police station	B/D/F			\$ 2,000,000	\$	3,000,000	\$	1,500,000	\$	500,000	\$	7,000,000
· · ·											\$	7,000,000
Community Facilities												
Design for New Town Hall	A								\$	50,000	\$	50,000
Central Lake Bike Trail and Town Trails	A/B/D/F			\$ 40,000							\$	40,000
											\$	90,000
Parks and Recreation												
Purchase land for new park	A/B/D/E/F								\$	150,000	\$	150,000
Repair/replace finger piers	A/B/D	\$	10,000	\$ 10,000	\$	10,000	\$	10,000	\$	10,000	\$	50,000
Main Pier Improvements	A/B/D			\$ 100,000							\$	100,000
Repair/renovate Sara Maude Park	A/B/D	\$	100,000	\$ 100,000			\$	100,000			\$	300,000
Improvements to Griffin Park	A/B/D			\$ 10,000			\$	90,000			\$	100,000
Central Park Courts and Upgrades	A/D/D	\$	48,500		\$	150,000					\$	198,500
Neighborhood Park North End	A/B/D/E/F								\$	125,000	\$	125,000
Neighborhood Park South End (Venezia	A/B/D/E/F		35,000								\$	35,000
Grove Square Park	A/B/D	\$	10,000								\$	10,000
Community Campus near Public Safety	A/B/D/E/F			\$ 300,000	\$	300,000	\$	250,000			\$	850,000
Mausoleum	A/B/D/F	\$	10,000								\$	10,000
Cemetery Sidewalk and Fencing	A/B/D/F	\$	15,000								\$	15,000
Lakeshore Shoreline Improvements						100,000					\$	100,000
											\$	2,043,500
Per Year		\$	2,423,500	\$ 5,000,000	\$	5,250,000	\$	2,780,000	\$	2,155,000		
Program Total											\$	18,723,500

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TABLE 20 A													
TOWN OF HOWEY-IN-THE-HILLS, FLORIDA													
5-YEAR ESTIMATED SCHEDULE OF CAPITAL IMPROVEMENTS													
Description	Funding	FY 2023	FY 2024	FY 2025	FY2026	FY2027		CIP					
	Source							Total					
Transportation Mitigation Projects													
SR 19 @ CR 48 Intersection	A/B/E/F		\$ 500,000				\$	500,000					
SR 19 @ Central Ave Intersection	A/B/E/F		\$ 500,000				\$	500,000					
Revels Rd @ SR 19 Intersection	A/B/E/F					\$ 500,000	\$	500,000					
Florida Ave @ SR 19 Intersection	A/B/E/F			\$ 100,000			\$	100,000					
Florida Ave @ Number 2 Rd. Intersectio	A/B/E/F				\$ 100,000		\$	100,000					
Pedestrian Improvements	A/B/E/F		\$ 20,000	\$ 20,000	\$ 20,000	\$ 40,000	\$	100,000					
Bicycle Improvements	A/B/E/F			\$ 20,000	\$ 30,000	\$ 50,000	\$	100,000					
Streetscape	A/B/E/F					\$ 250,000	\$	250,000					
Road Reconstruction	Infrastructure	\$ 215,000			\$ 20,000	\$ 20,000	\$	255,000					
Total		\$ 215,000	\$ 1,020,000	\$ 140,000	\$ 170,000	\$ 860,000	\$	2,405,000					

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