

December 9, 2021

Mr. David Young  
Growth Management Director  
205 N. Marion Ave  
Lake City, FL 32055

**RE: Lake City Buick GMC Service Department Expansion - Project Narrative**

Dear Mr. Young,

The purpose of this application is to construct a 15,753 SF automobile service facility on vacant land adjacent to the Lake City Buick GMC Dealership. The building will consist of 15 service bays and three (3) tire and alignment bays to serve the existing car dealership. There will be a small waiting area, office, locker rooms, and restroom facilities included as well.

Stormwater management will be provided via underground exfiltration chambers sized to provide water quality and attenuation volumes required by Suwannee River Water Management District. The exfiltration system will discharge to a City curb inlet on the northwest corner of the site.

City utilities will supply potable water, fire service, and sanitary sewer to the building. There is gravity sewer on SE Nassau Street along with a water distribution pipe (size not provided by City). Connections are proposed in accordance with FDEP regulations.

The Site Plan application and supporting documentation is contained herein. We look forward to working with you on this project.

If you have any questions, please call me.

Sincerely,  
**DEWBERRY**



William A. Menadier, P. E.  
Senior Project Manager

A BOUNDARY SURVEY IN SECTION 32, TOWNSHIP 3 SOUTH,  
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

- SURVEYOR'S NOTES:**
- BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
  - BEARINGS ARE BASED ON AN ASSUMED BEARING OF S.00°13'01"W. FOR THE WEST LINE OF SAID BLOCK 265.
  - IT IS APPARENT THAT THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 2 NOVEMBER, 2018 FIRM PANEL NUMBER 12023C0284D. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
  - THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
  - IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
  - THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
  - DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF.
  - THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
  - THE ADJACENT OWNERSHIP INFORMATION AS SHOWN HEREON IS BASED ON THE COUNTY PROPERTY APPRAISERS GIS SYSTEM, UNLESS OTHERWISE DENOTED.
  - THE ELEVATIONS SHOWN HEREON ARE BASED ON NAVD 88 DATUM.

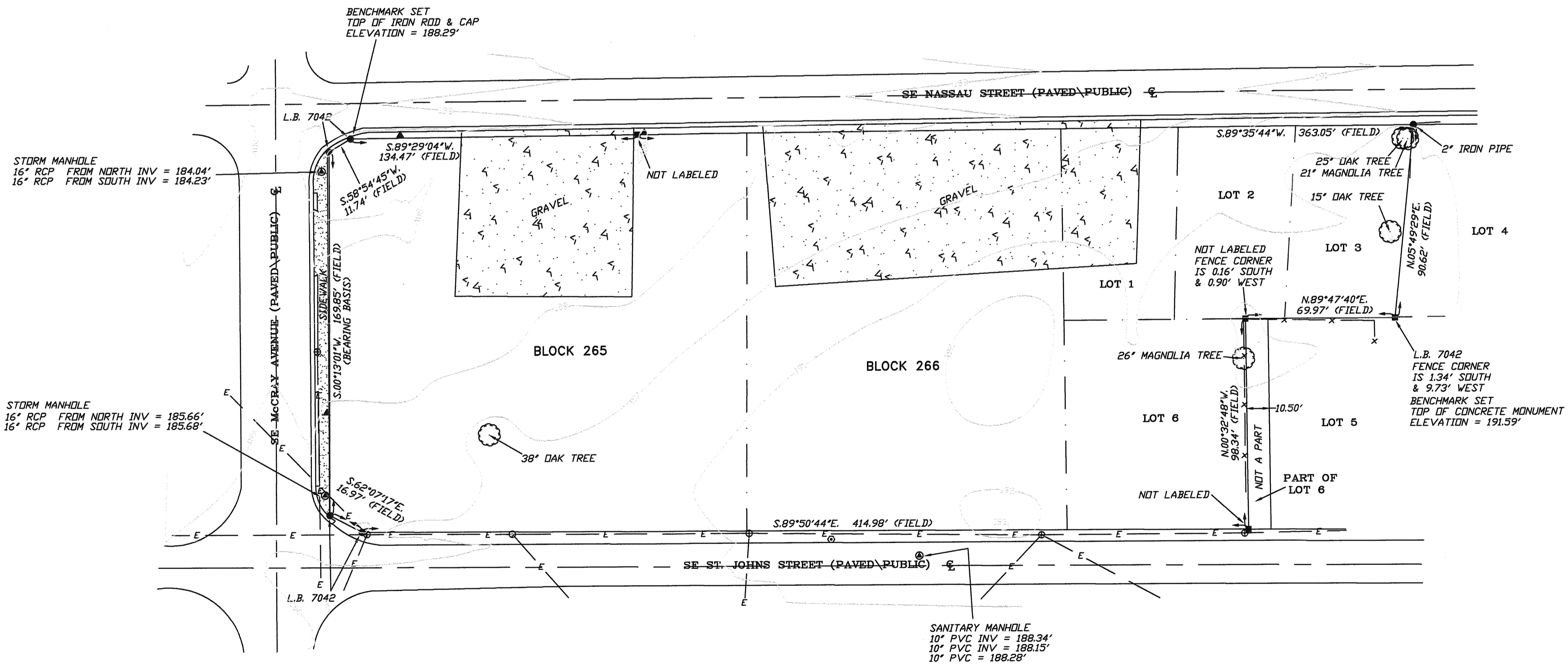
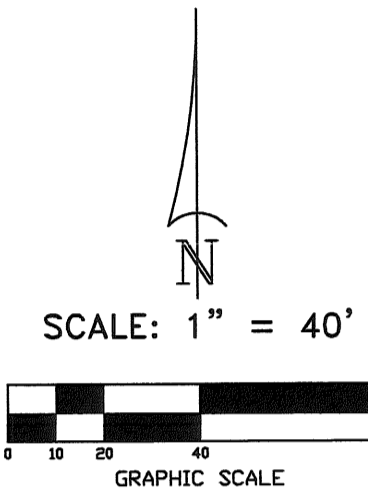
**DESCRIPTION:**  
BLOCKS 265 AND 266 OF THE EASTERN DIVISION OF THE CITY OF LAKE CITY.

AND ALSO:  
LOTS 1, 2, 3 AND 6 OF R.G. CORNWALL SUBDIVISION, A SUBDIVISION RECORDED IN PLAT BOOK A, PAGE 14, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, SAID SUBDIVISION BEING IN THE EASTERN DIVISION OF THE CITY OF LAKE CITY, FLORIDA.

LESS THE EAST 10.50 FEET OF SAID LOT 6, R.G. CORNWALL, A SUBDIVISION RECORDED IN PLAT BOOK A, PAGE 14, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, SUBDIVISION

**SYMBOL LEGEND:**

- 4"x4" CONCRETE MONUMENT FOUND
- 4"x4" CONCRETE MONUMENT SET
- IRON PIPE FOUND
- IRON PIN AND CAP SET
- \* \*X\* CUT IN PAVEMENT
- + CALCULATED PROPERTY CORNER
- ⊕ NAIL & DISK
- ⊙ POWER POLE
- ⊕ SIGN POST
- ▲ WATER METER
- ⊙ UTILITY BOX
- ⊙ WELL
- ⊙ SANITARY MANHOLE
- ⊙ CENTERLINE
- SECTION LINE
- E- ELECTRIC LINES
- X- WIRE FENCE
- O- CHAIN LINK FENCE
- - - WOODEN FENCE
- (PLAT) AS PER A PLAT OF RECORD
- (DEED) AS PER A DEED OF RECORD
- (CALC.) AS PER CALCULATIONS
- (FIELD) AS PER FIELD MEASUREMENTS
- P.R.M. PERMANENT REFERENCE MARKER
- P.C.P. PERMANENT CONTROL POINT



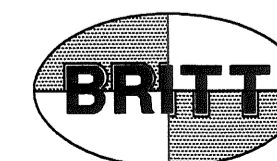
CERTIFIED TO:  
LAKE CITY BUICK GMC

**SURVEYOR'S CERTIFICATION:**

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

05/27/21 FIELD SURVEY DATE      07/08/21 DRAWING DATE  
L. SCOTT BRITT, P.S.M. CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE ORIGINAL SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



**BRITT SURVEYING & MAPPING, LLC**

LAND SURVEYORS AND MAPPERS, L.B. # 8016  
1438 SW MAIN BLVD,  
LAKE CITY, FLORIDA, 32025

www.brittsurvey.com  
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573

WORK ORDER # L-27585

FIELD BOOK: 373 PAGE(S): 75

Owner  
**Lake City Car Dealership  
 Maintenance Bldg**  
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CONSULTANT:

Issued For

Revisions

Description	Date

Seal

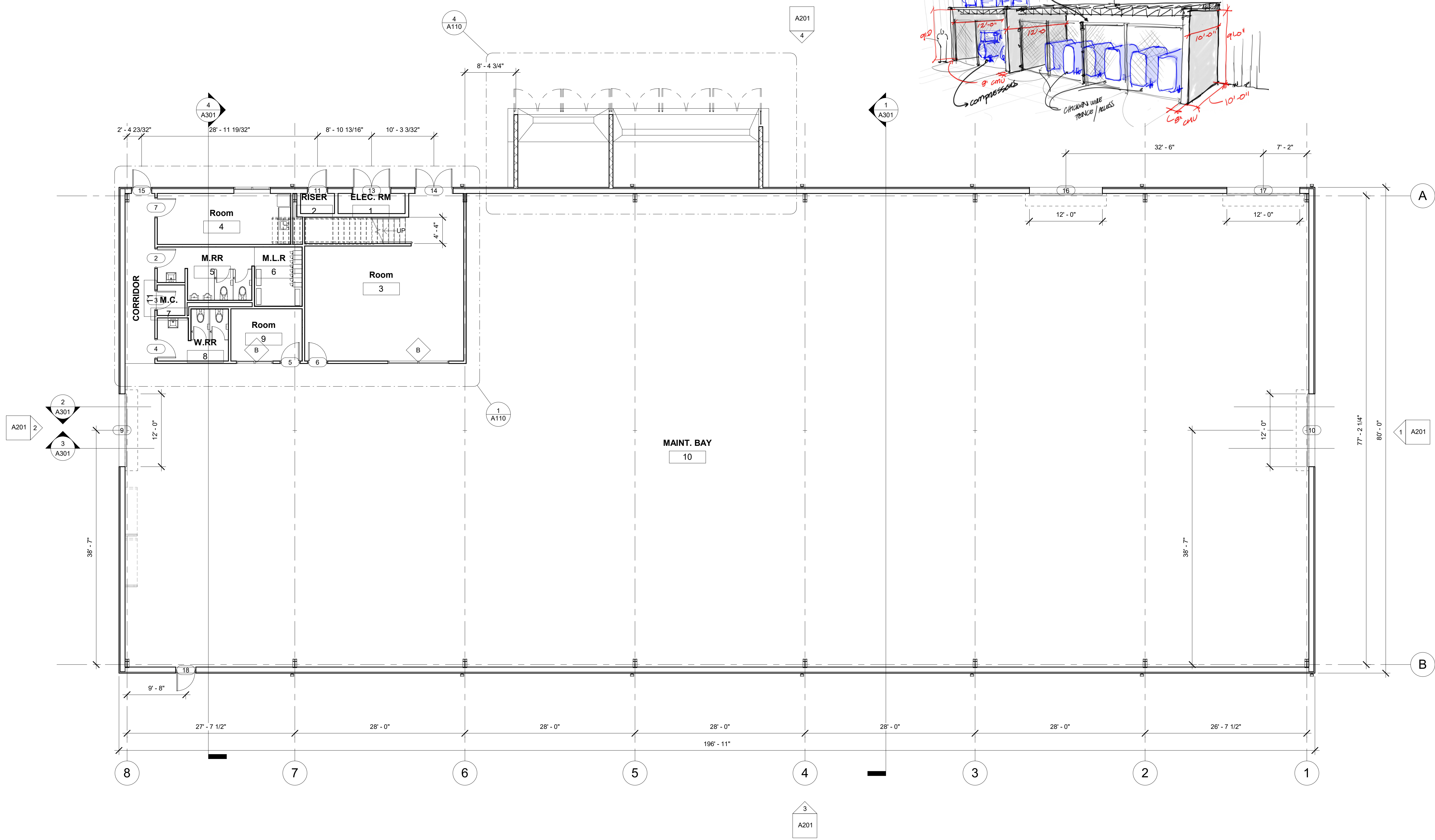
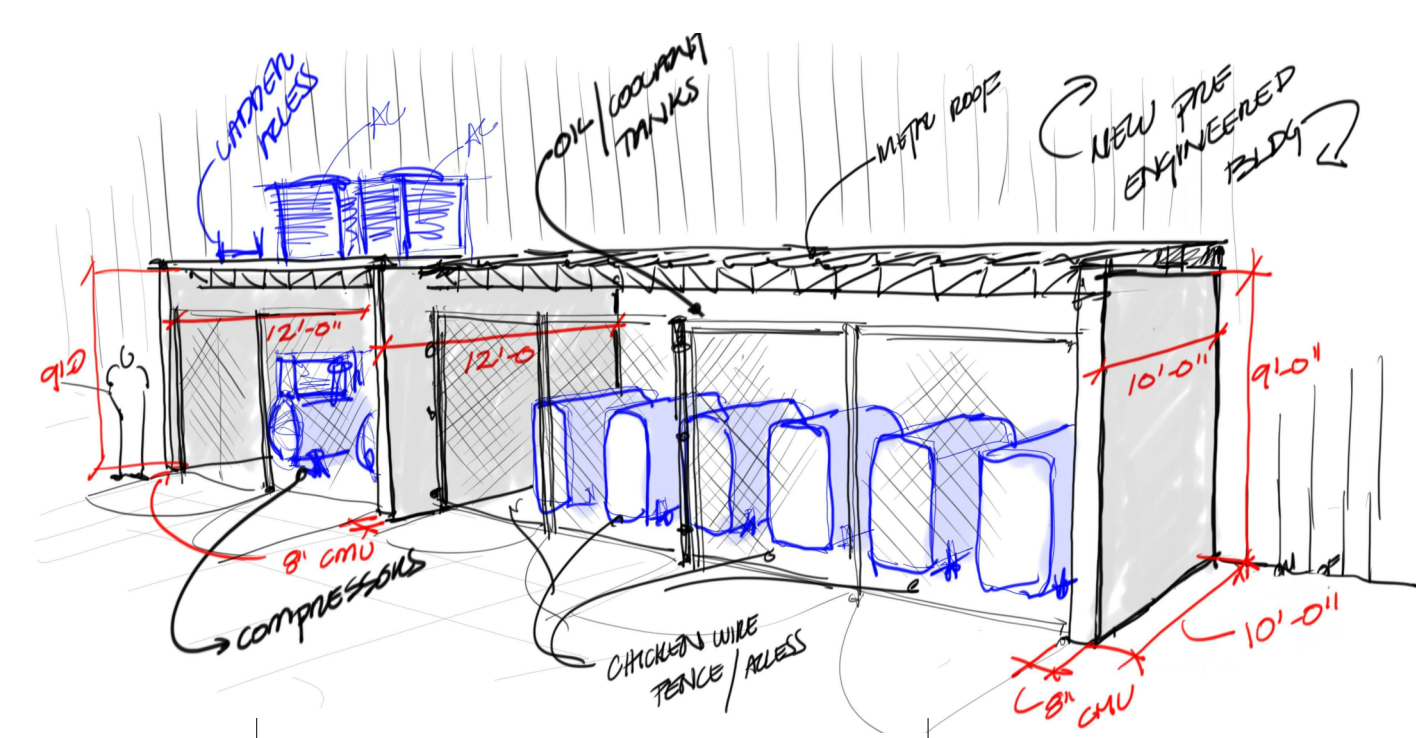
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 Drawn By: Author  
 Jeff Gaither, AIA  
 AR93666

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Sheet Title

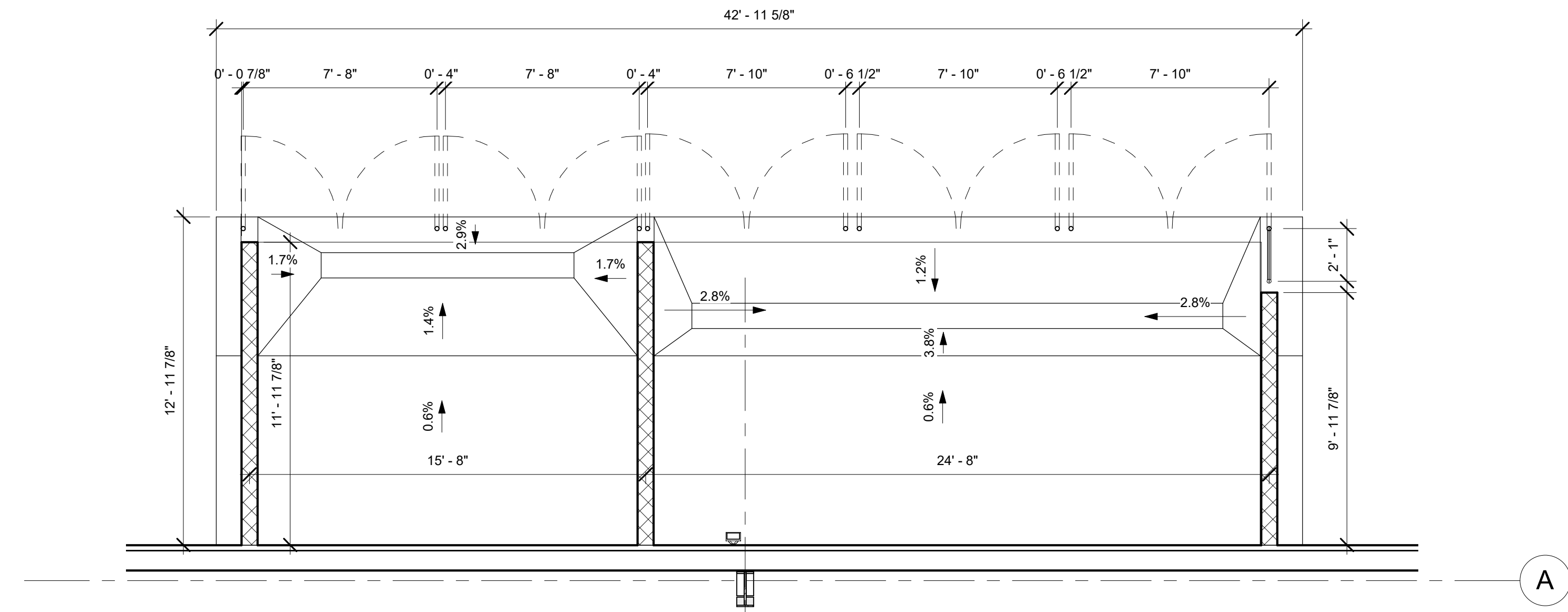
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 BUILDING PLAN**

**A101**

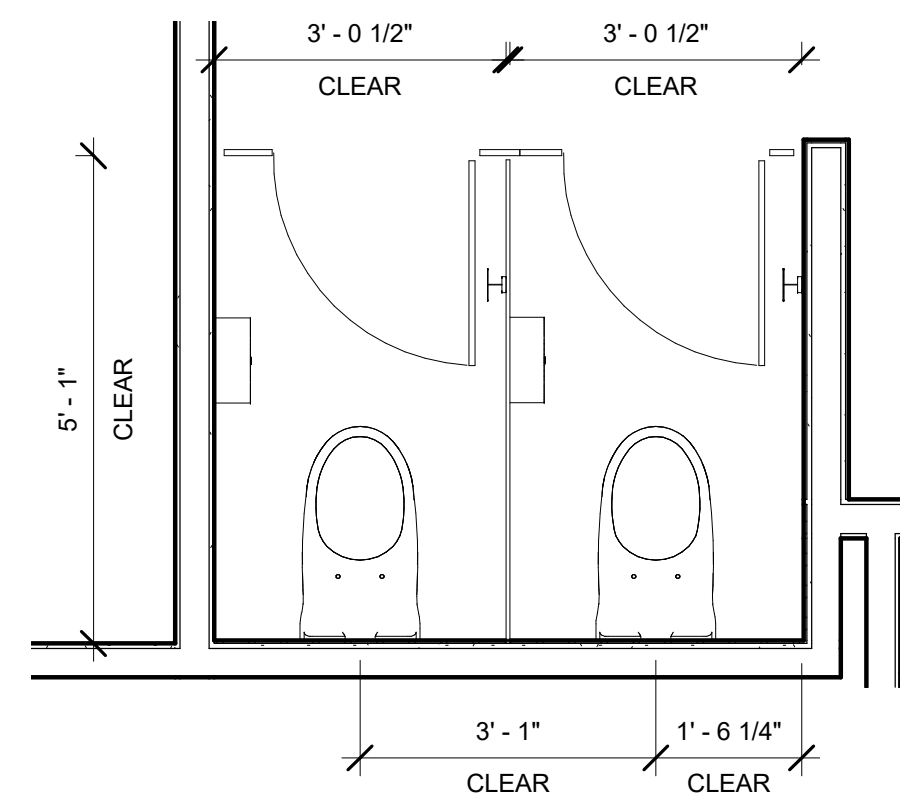


1 Level 1 - OVERALL  
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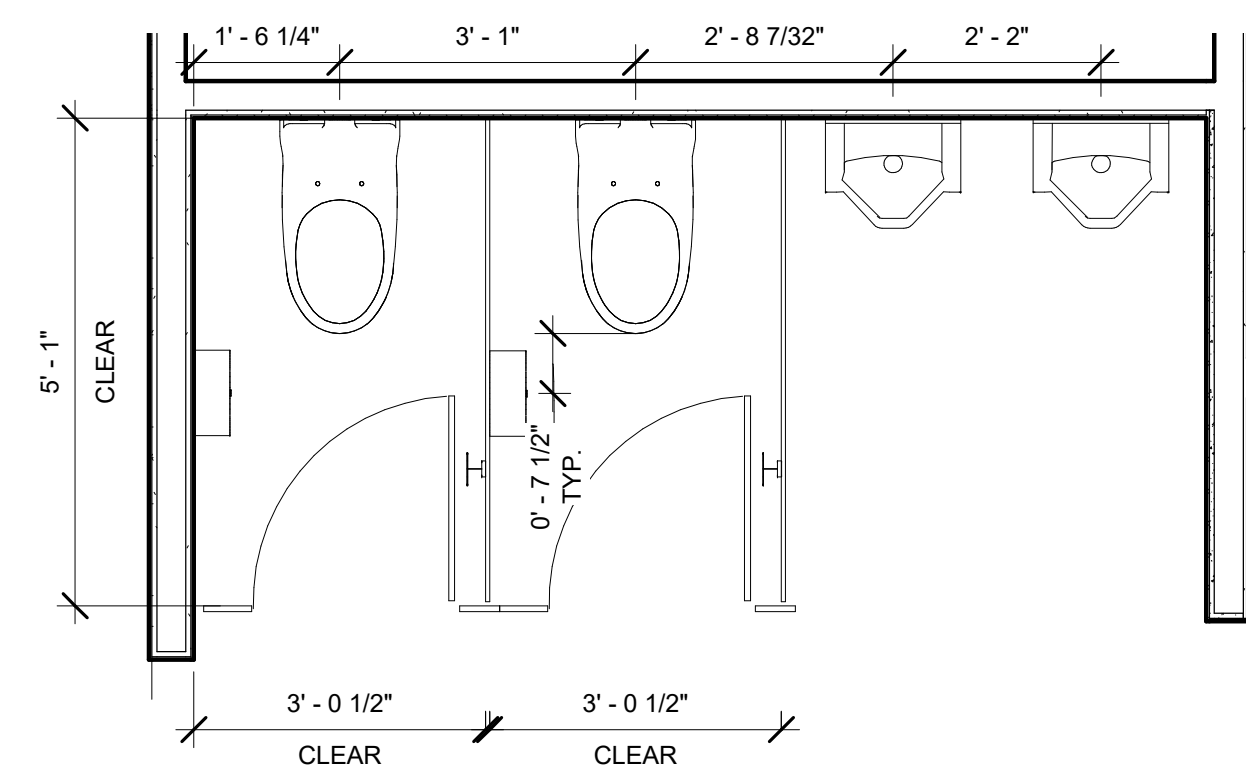
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**Lake City Car Dealership  
 Maintenance Bldg**  
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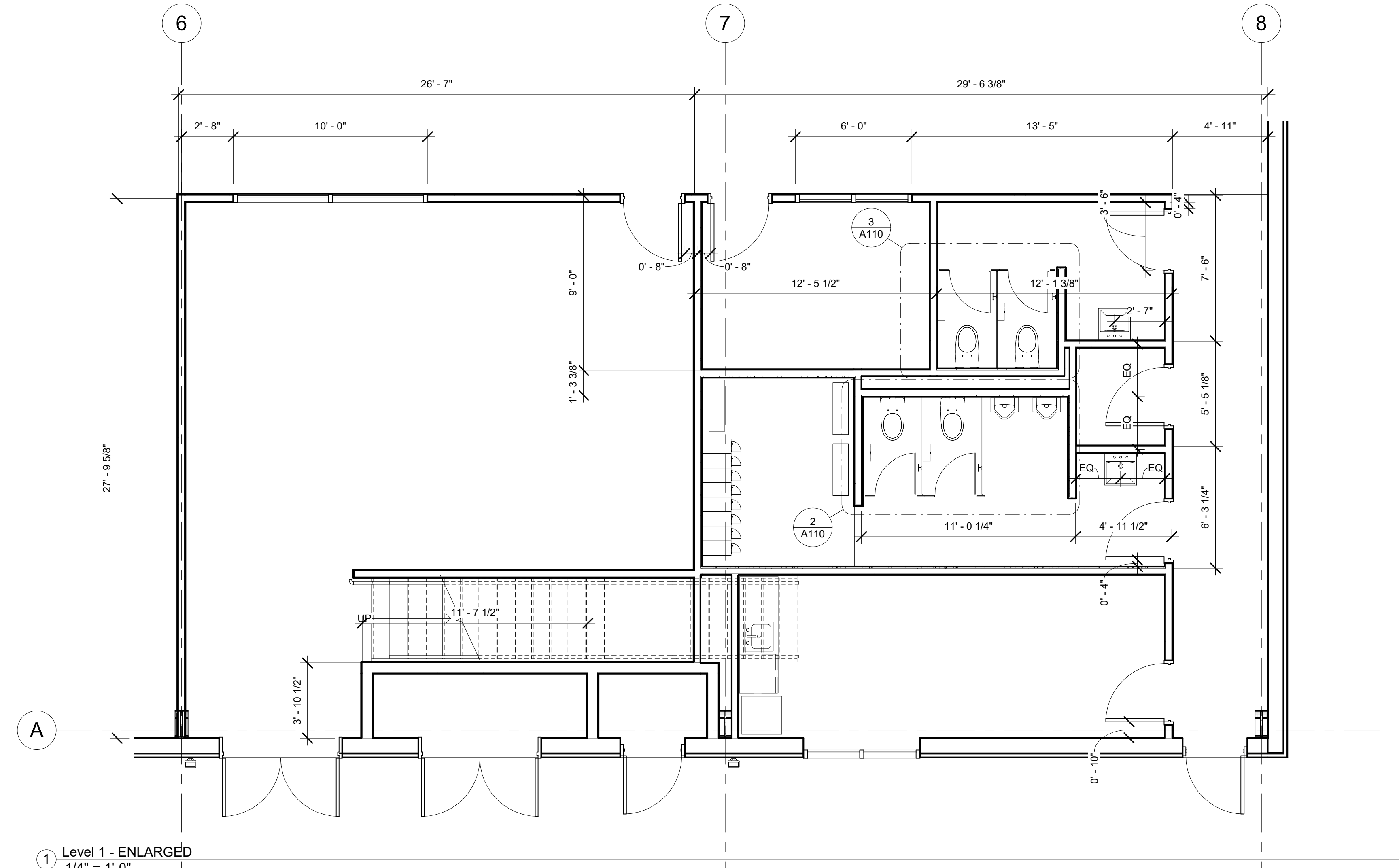
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 1/4" = 1'-0"



③ Level 1 - FIXTURE LAYOUT1 - WOMEN  
 1/2" = 1'-0"



② Level 1 - FIXTURE LAYOUT - MEN  
 1/2" = 1'-0"



① Level 1 - ENLARGED  
 1/4" = 1'-0"

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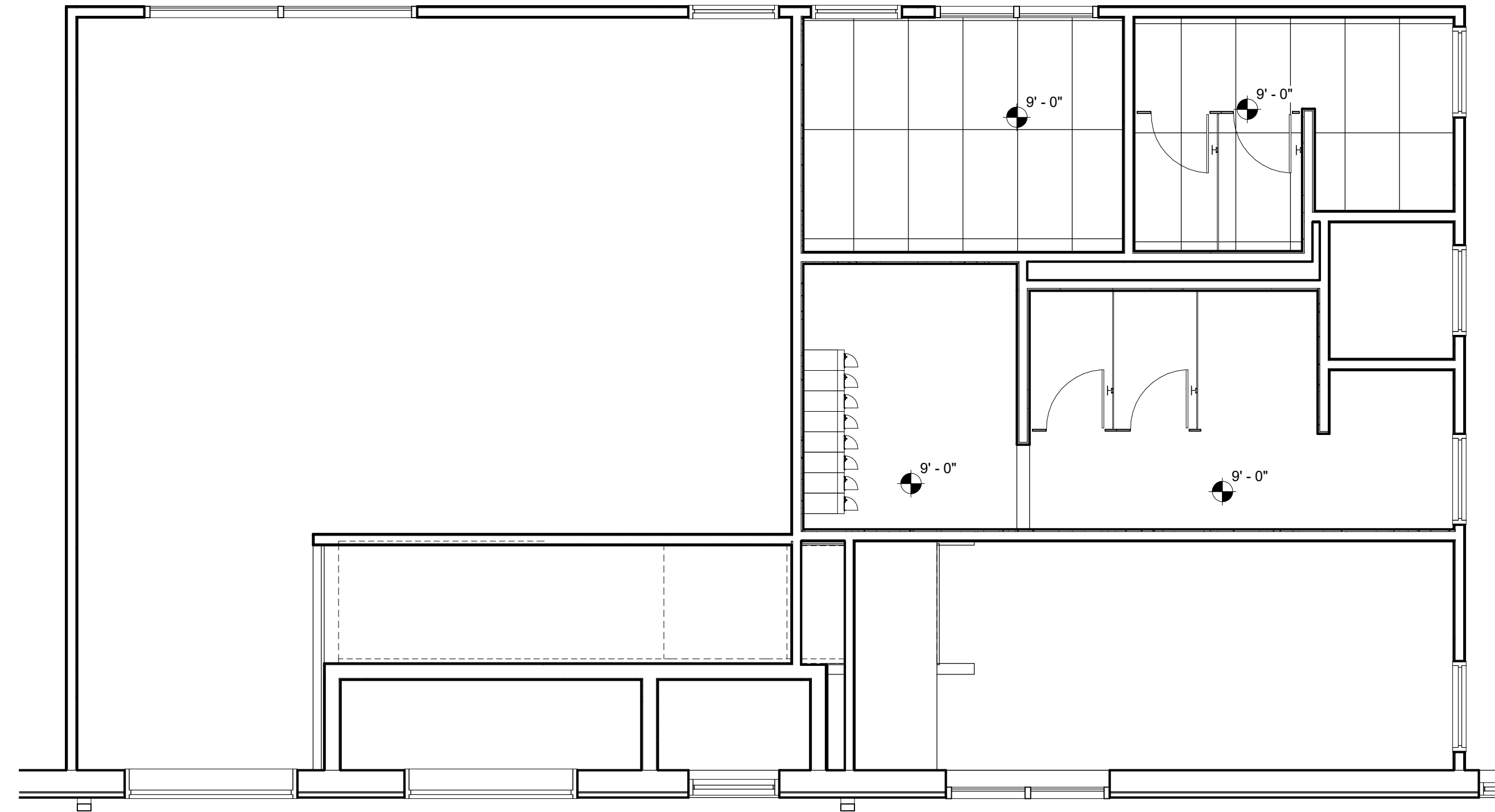
Jeff Gaither, AIA  
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ENLARGED PLANS

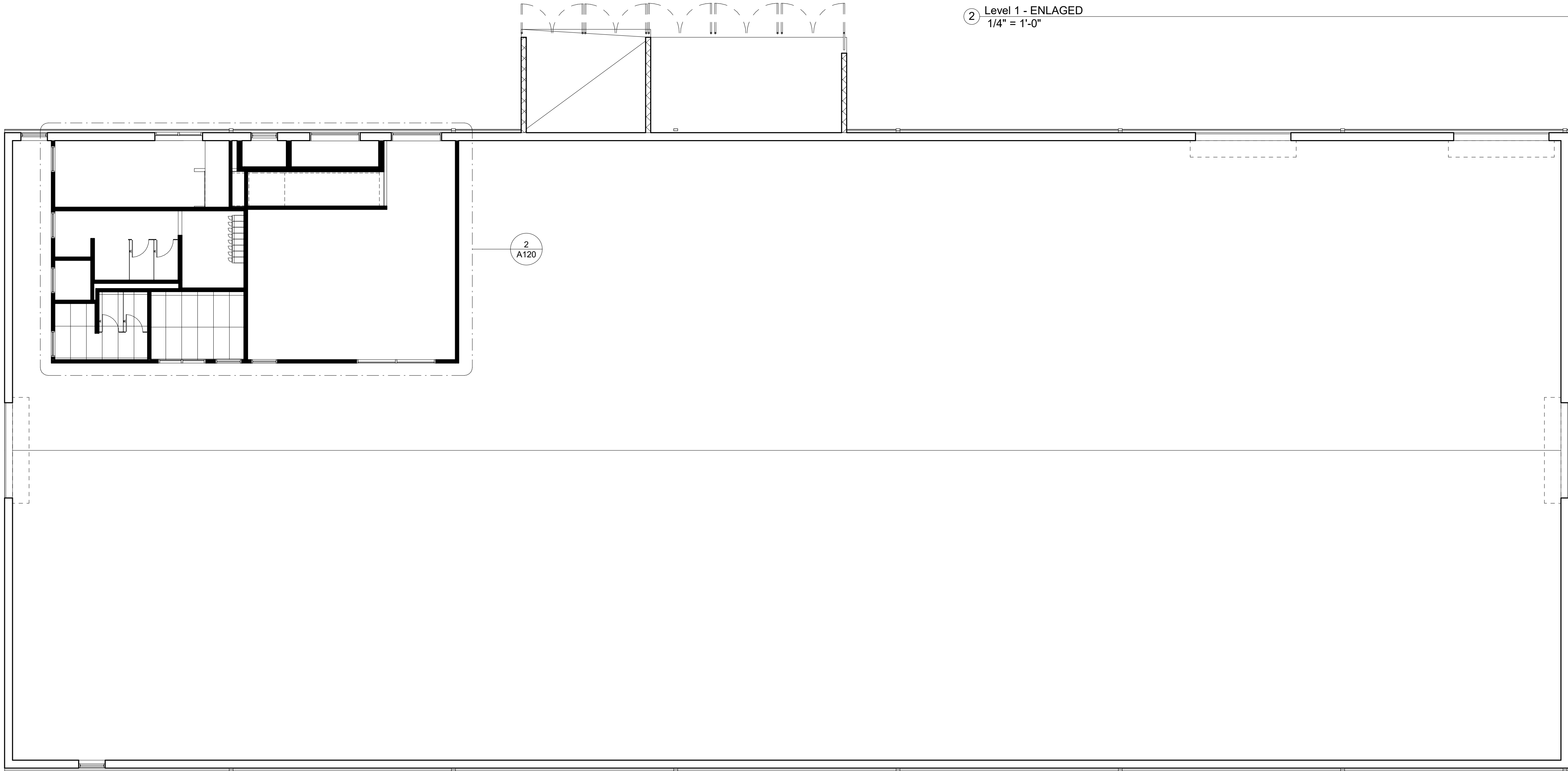
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SCHEMATIC DESIGN SET 7/28/21

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**Lake City Car Dealership  
Maintenance Bldg**  
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② Level 1 - ENLARGED  
1/4" = 1'-0"



① Level 1 - OVERALL  
1/8" = 1'-0"

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CEILING PLAN

**A120**

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**Lake City Car Dealership**  
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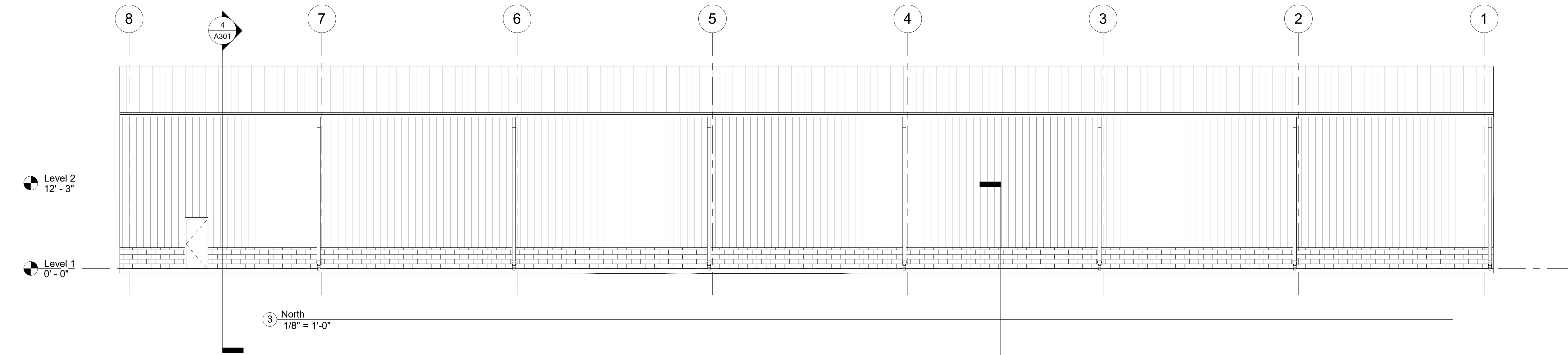
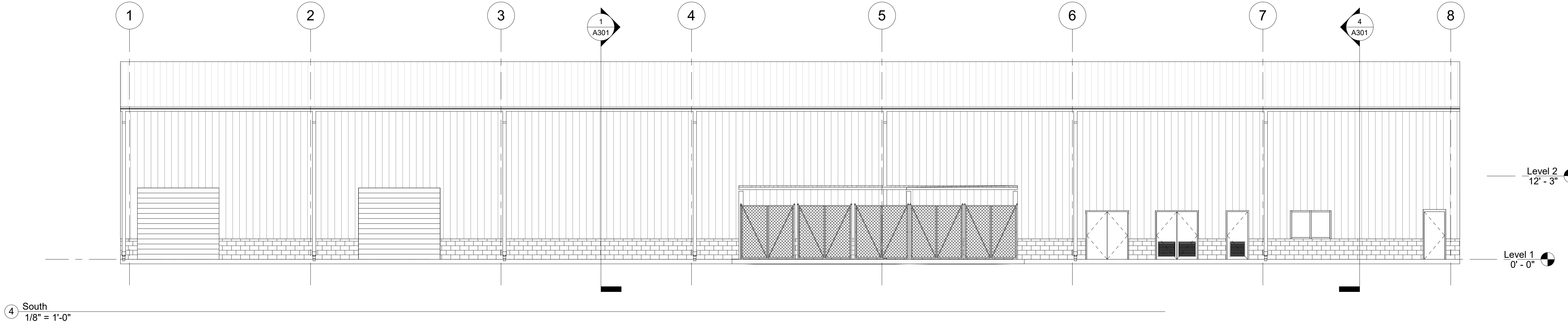
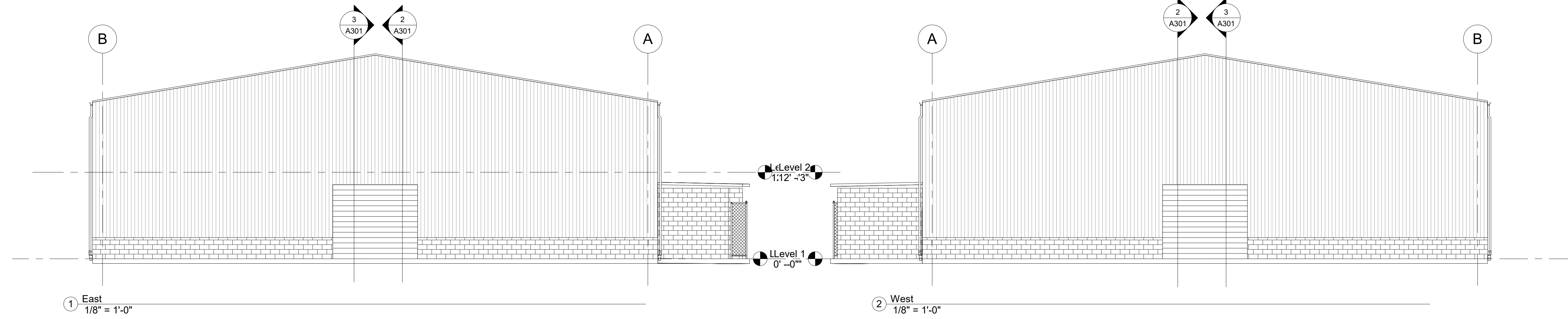
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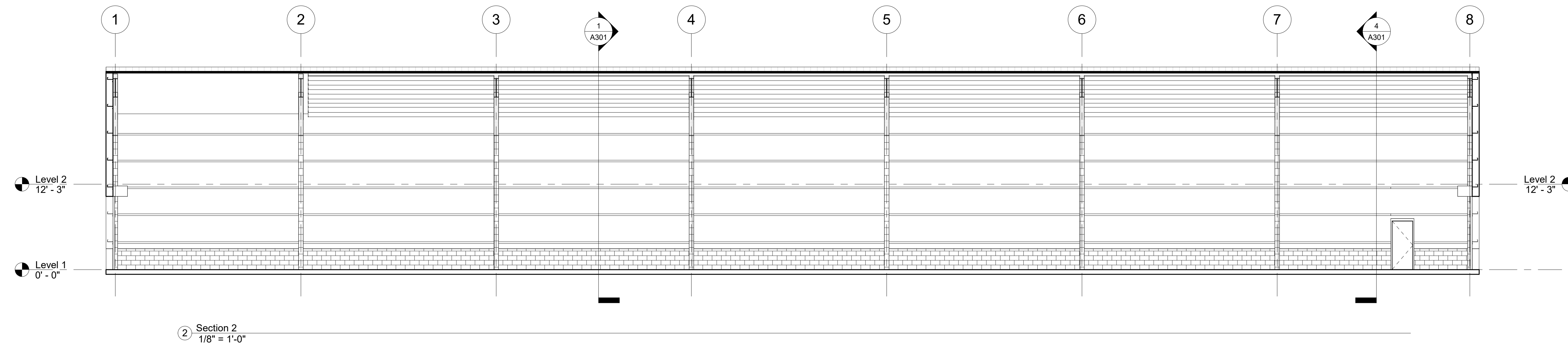
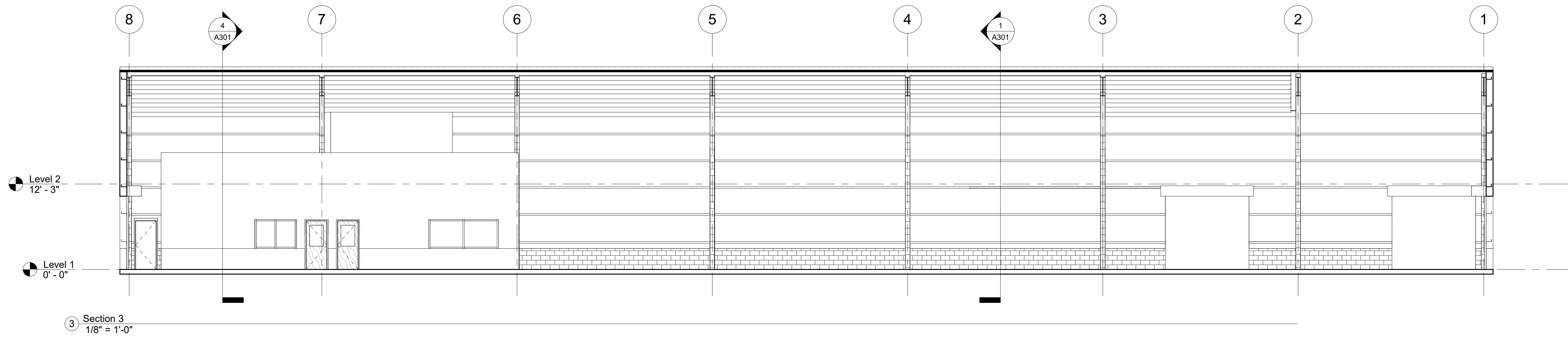
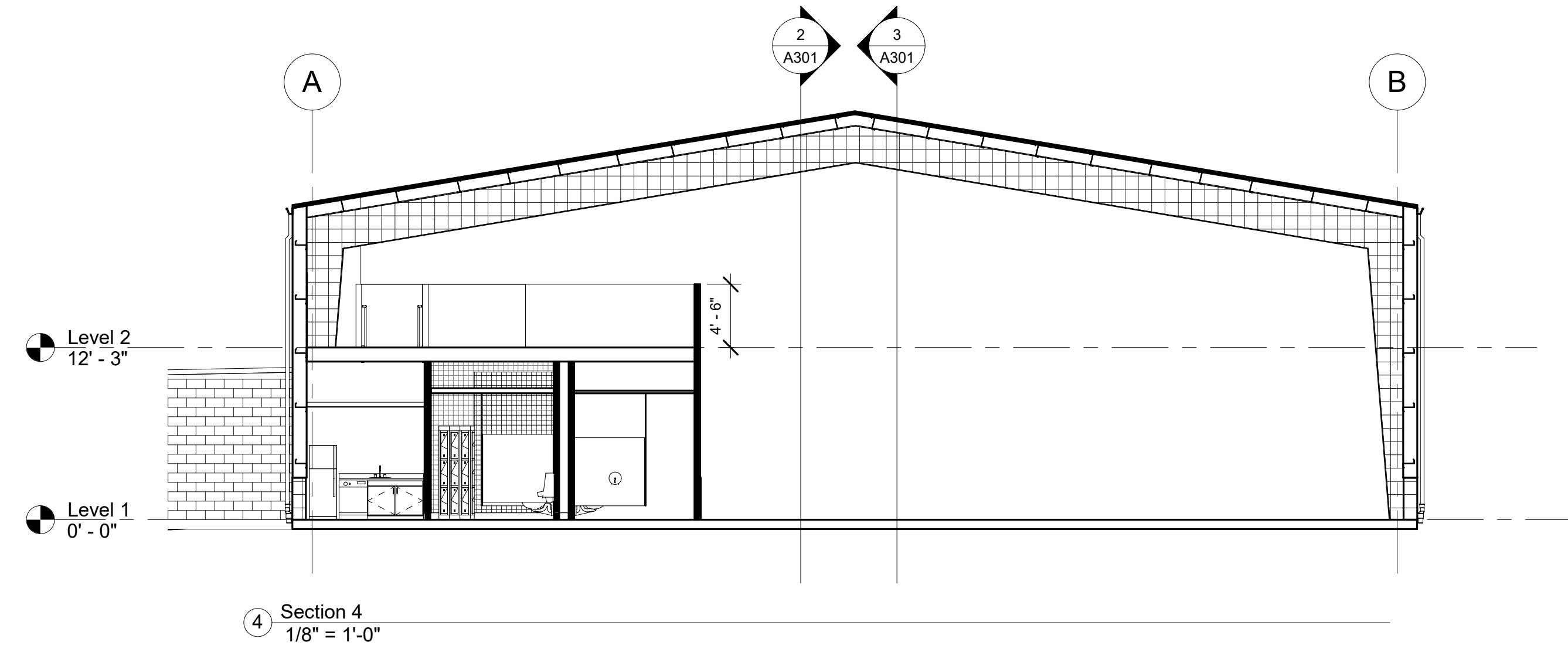
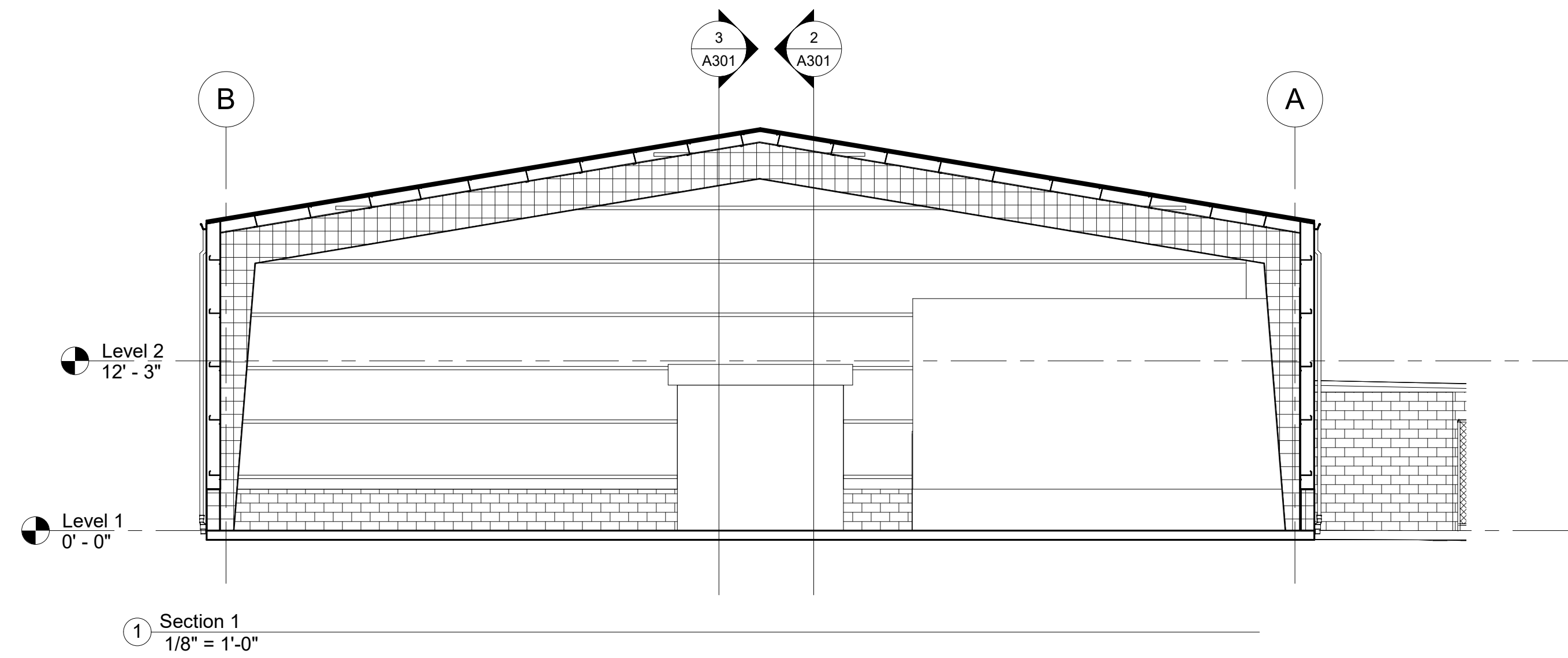
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**BUILDING ELEVATIONS**

**A201**



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**BUILDING  
SECTIONS**

**A301**

SCHEMATIC DESIGN SET 7/28/21

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Seal



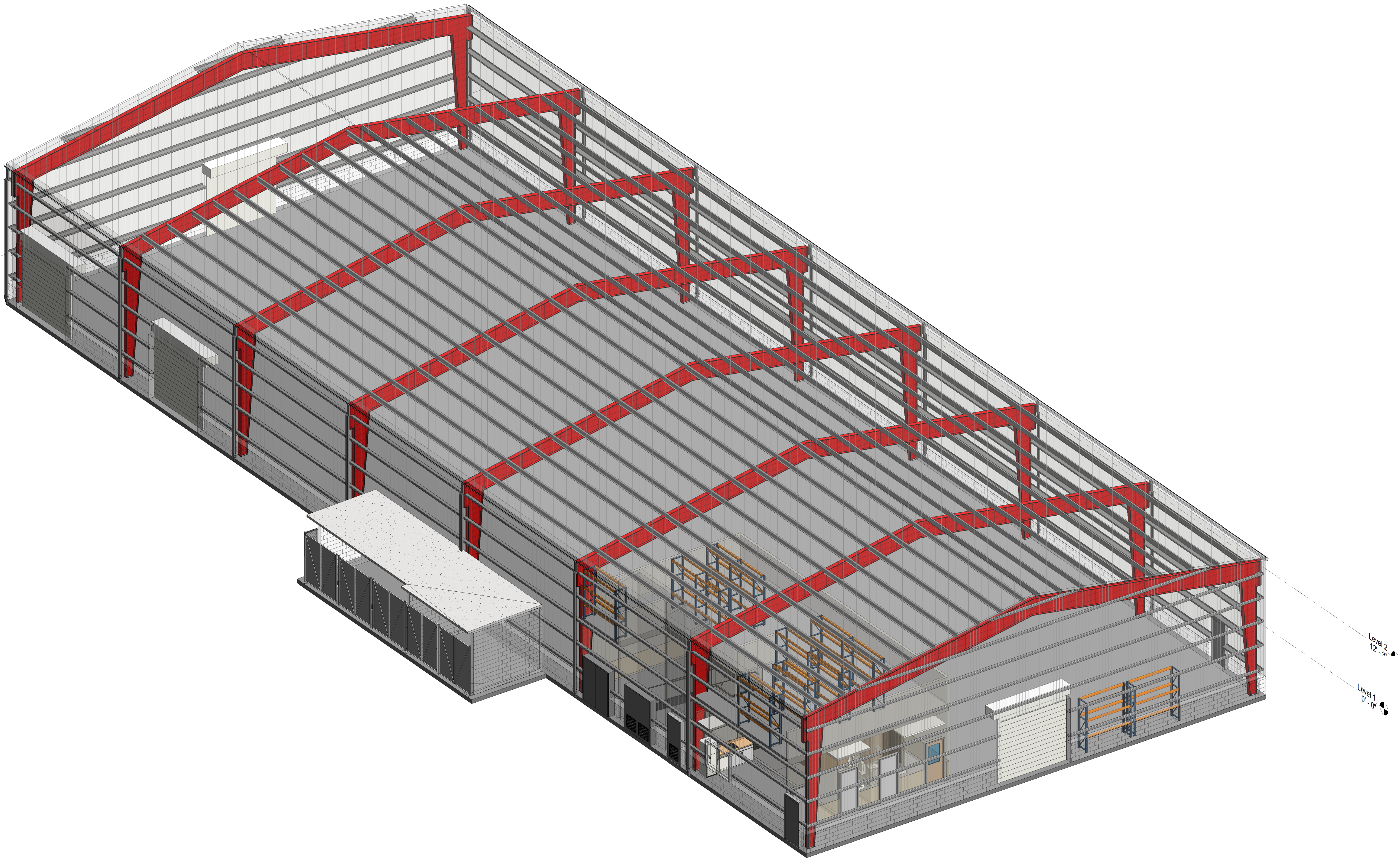
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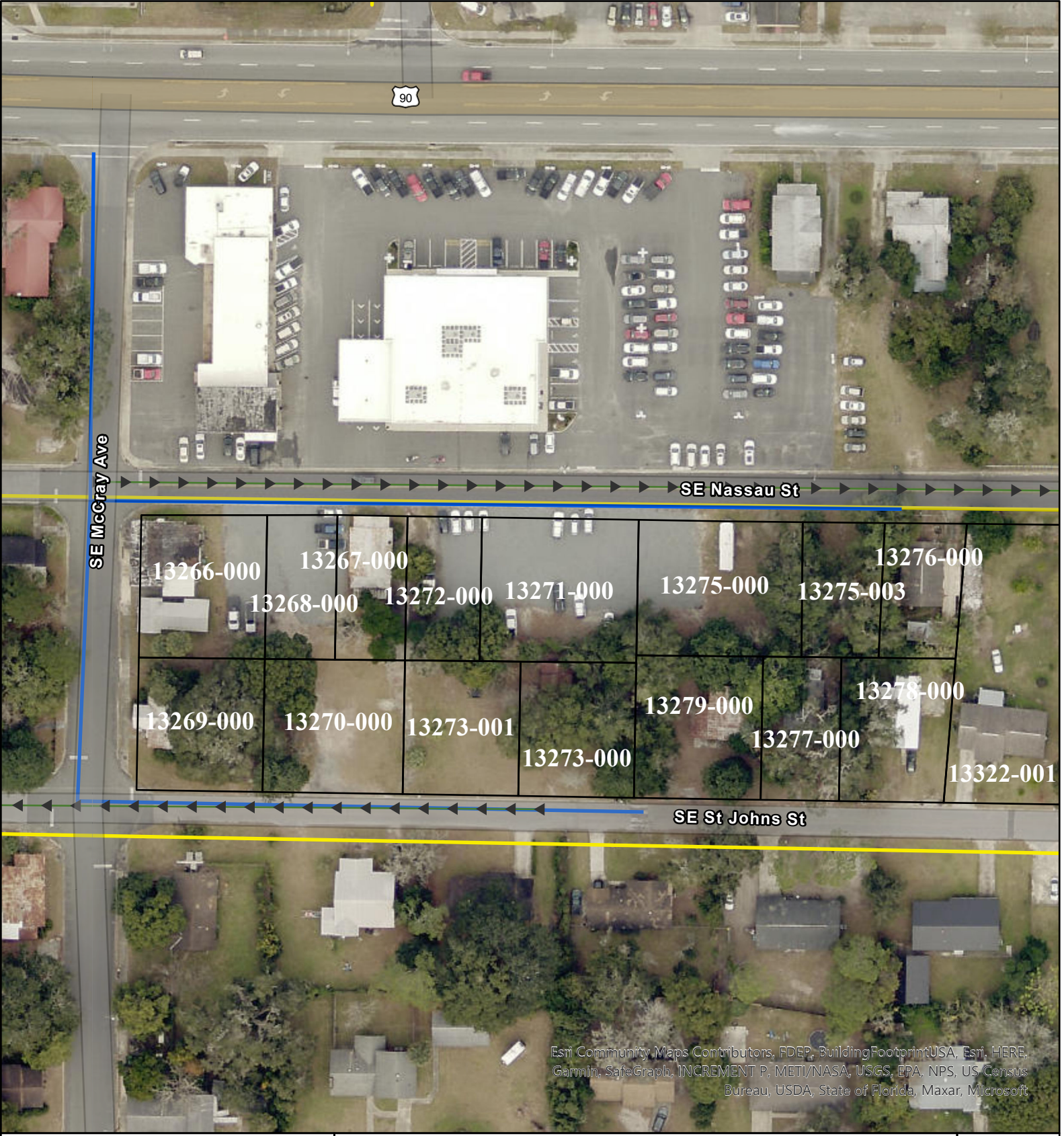
3D VIEWS

**A900**



1 sheet 3d





Esri Community Maps Contributors, FDEP, BuildingFootprintUSA, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, State of Florida, Maxar, Microsoft



# Utilities South of Ronsonet Buick



### Legend

- Gas Mains
- Water Main
- ▶ Sewer Gravity Main
- Parcels

This product is for informational purposes only and may not have been prepared for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of displayed information. It is not to be used in place of locates.

# Attachment 1

## Vicinity Map

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**PROJECT  
LOCATION**

HWY 90 E STREET

NASSAN STREET

ST. JOHNS STREET


SE MCCRAY AVENUE

Melrose Park  
Elementary School

BAYA DRIVE

City VA  
Medical Center

Richardson Sixth  
Grade Academy

<p>VACINITY MAP EXHIBIT</p>			
<p>SERVICE DEPARTMENT EXPANSION LAKE CITY BUICK GMC LAKE CITY, FLORIDA</p>	<p>654 S.E. Baya Drive Lake City, FL 32055 386.361.2133</p>	<p>Date: 12/09/21 Designed: JAL Drawn: JAL Checked: WAM</p>	<p>Project No.: 50140305 Sheet No.: A</p>

COA# 8794

# Attachment 2

## Site Plan

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# Attachment 3

## Stormwater Management Plan

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# STORMWATER MANAGEMENT REPORT



## **Lake City Buick GMC** **Service Department Expansion**

Columbia County, Florida

Dewberry Project No.: 50140305

PREPARED FOR:

**Lake City Buick GMC**  
508 E. Duval Street  
Lake City, Florida 32025

PREPARED BY:

**Dewberry**  
654 Southeast Baya Drive  
Lake City, FL 32055  
850.571.1254

## Professional Engineer's Certification

I hereby certify that I am a Licensed Professional Engineer in the State of Florida practicing with Dewberry Engineers Inc. and that I have supervised the preparation of and approve the evaluations, findings, opinions, conclusions, and technical advice hereby reported for:

**Project:** Lake City Buick GMC  
Service Department Expansion  
Stormwater Management Report  
Dewberry Project Number: 50140305

**Parcel ID:** 00-00-00-13266-000  
00-00-00-13267-000  
00-00-00-13268-000  
00-00-00-13269-000  
00-00-00-13270-000  
00-00-00-13271-000  
00-00-00-13272-000  
00-00-00-13273-000  
00-00-00-13273-001  
00-00-00-13275-000  
00-00-00-13273-003  
00-00-00-13279-000

**Location:** 508 E. Duval Street  
Lake City, FL 32025

---

William A. Menadier, P.E.  
Senior Project Manager  
License No. 74581

# Table of Contents

Introduction.....	1
G.1 General Project Introduction.....	1
G.2 Design Criteria.....	1
G.3 Wetland Systems and Flood Zones.....	1
Stormwater Management Facilities .....	2
1.1 Site Soil Conditions .....	2
1.2 Stormwater Management Facility Characteristics.....	2
1.3 Time of Concentration .....	3
1.4 Treatment and Attenuation .....	3
1.5 Staging .....	3
1.6 Recovery .....	4
1.7 Conclusion .....	4

## EXHIBITS

Exhibit 1	Project Location Map
Exhibit 2	Geotech Report
Exhibit 3	Wetland Systems and Flood Zones
Exhibit 4	Pre/Post Basin Maps

## APPLICATIONS, CALCULATION & DOCUMENTATION

Section 1	Stormwater Volume Calculations
Section 2	ICPR Stormwater Model Results

## APPENDICES

Appendix A	Cultec 330XLHD Recharger Chamber Details & Specifications
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## **Introduction**

### **G.1 General Project Introduction**

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Lake City Buick GMC is proposing to construct a new vehicle service station located in Columbia County, FL. (See **Exhibit 1 – Project Location Map**). The existing site is a vacant lot, which sits just south of the existing Buick GMC dealership. The proposed project will utilize Cultec Stormwater Chambers to treat and attenuate the critical storm event.

The site is identified by multiple parcels, based on Columbia County Property Appraiser data. The composition of the site is a mixture of pervious and impervious surfaces.

### **G.2 Design Criteria**

---

The total project area for the proposed stormwater management facilities is 1.98 acres. The area consists of hydrologic group A soils (see **Exhibit 2 – Geotech Report**). The project area consists of fair condition open space, gravel parking areas, and building structures. Curve numbers are assumed to be 49, 76, and 98 respectfully.

Stormwater management for the proposed basin will be accomplished by installing underground Cultec Chambers. The facilities will be shown to attenuate the FDOT-24 100-year 1-hour critical storm event. Furthermore, the treatment calculations will be presented which verify sufficient treatment volume to account for 1-inch of rainfall over the site or ½-inch of runoff over the contributing area, whichever is greater.

Interconnected Channel and Pond Routing (ICPR) software was used to perform the Stormwater Volume Calculations required. Drainage networks were also established in ICPR which modeled the collection of onsite runoff to the stormwater management facility.

### **G.3 Wetland Systems and Flood Zones**

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Based on the attached National Wetlands Inventory map (**Exhibit 3 – Wetland Systems and Flood Zones**), there are no wetlands located onsite.

The FEMA Flood Insurance Rate Map for the proposed project indicates that this project is located entirely within Zone X. Map Numbers 12023C0284D effective November 2, 2018 is provided for reference. (**Exhibit 3 – Wetland Systems and Flood Zones**)

**THE FOLLOWING REPORT DETAILS THE METHODOLOGIES, DECISIONS, AND CALCULATIONS USED TO DEMONSTRATE STORMWATER COMPLIANCE FOR THIS PROJECT.**

# Stormwater Management Facilities

## 1.1 Site Soil Conditions

A geotechnical investigation of the site was performed by Cal-Tech Testing, Inc. See Geotech Report (**Exhibit 2 - Geotech Report**). Based on the data, groundwater elevations were taken to be 7.5 ft below the existing grade.

**Table 1: Estimated Water Table Elevations**

SWMF	Approximate Existing Ground EL	Depth to SHGWT	SHGWT EL	Chamber Bottom EL
Cultec Chambers	190.0	7.50	182.5	184.46

Classification of the onsite soils was determined based on the Geotech Report (see **Exhibit 2**) and was confirmed by the hydrogeologic classification of the in-situ soils. As described in the introductory section, existing soils are classified as hydrologic group A. Curve numbers are assumed to be 49, 76, and 98 to account for existing on-site conditions.

It was determined that final soil conditions will consist of hydrologic group A soils with the following separate categories:

1. Grass/Sodded Cover – Curve Number 39
2. Concrete & Asphalt Impervious Area – Curve Number 98
3. Gravel Impervious Area – Curve Number 76

Using these criteria, a final curve number was determined for the developed area based on the layout of the service station, parking lots, and entrance drives. The curve number used for the ICPR modeling is a composite number based on the impervious areas for the post-basin, which is outlined on the individual basin sheet attached for reference. (**Exhibit 4 – Pre/Post Basin Maps**)

**Table 2: Post Development Curve Numbers**

Basin	Drainage Areas (SF)				Composite Curve Number	Drainage Area (AC)
	Grass Cover, 39	Impervious, 98	Impervious-Gravel, 76	Total		
1	22778	38355	25291	86423	76.0	1.98

## 1.2 Stormwater Chamber(s) Characteristics

The design of the retention facilities was determined by examining the runoff generated over the site. The following parameters defined the constraints used to size and layout the Cultec stormwater management chambers:

### Cultec 330XLHD Chambers (Basin 1) - 300 Total Chambers

Chamber Storage – Top Elevation = 188.00-ft

Chamber Storage – Bottom Elevation = 184.46-ft

Based on these criteria and the hydrogeological information presented above, the following facility characteristics were selected:

### Outfall Structure

Overflow Elevation = Elevation 188.00

Key elements of the design were calculated and are available for review in **Section 1 – Stormwater Volume Calculations**. The stormwater systems were sized to provide sufficient treatment volume.

### 1.3 Time of Concentration

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Individual times of concentration were not computed for the post-development drainage areas and were assumed to be 10-minutes for modeling purposes due to the nature of the existing site.

### 1.4 Treatment and Attenuation

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The information previously discussed was used to compile an operable ICPR model of the drainage and stormwater facility. The system was sized for its respective drainage sub-basin with minimal losses to offsite areas.

The stormwater facilities were designed based on Columbia County and SRWMD criteria; runoff from 1-inch of rainfall over the contributing area. The required treatment volume for the facilities were determined based on the following methodology:

$$C = \frac{[(\text{Impervious Area} \times C_{\text{impervious}}) + (\text{Detention Area} \times C_{\text{pond}}) + (\text{Pervious Area} \times C_{\text{pervious}})]}{\text{Total Project Area}}$$

In comparison to:

$$\text{Treatment vol. from 0.5-inch of run-off} = (0.5\text{-inch}) (\text{Basin Area})$$

Therefore, the larger value is the volume required for treatment. Please see **Section 1 – Stormwater Volume Calculations** for the treatment volume required for the stormwater management facility. All treatment will be accomplished within the chambers.

As previously discussed, the existing facilities were modeled using ICPR software to treat and attenuate the critical storm event (see **Section 2 – ICPR Stormwater Model Results**). The analysis shows that the stormwater management systems successfully attenuate the critical storm event per Columbia County and SRWMD. The model includes existing and proposed improvements. Please see the attached ICPR report for further information on the performance of the stormwater management system.

**Table 3: Pre- and Post-Development Discharge**

Basin	Development	Discharge (cfs)
1	PRE	4.05
	POST	0.00

### 1.5 Staging

---

The proposed stormwater systems allow staging in order to provide attenuation. This staging is limited in the design events to below the top of the chamber storage elevation. The ICPR report describes the maximum stage elevations allowed by the proposed stormwater chambers.

**Table 4: Maximum Stage Elevations**

SWMF	Top Elevation	Critical Duration Storm
		100YR - 001 HR
Cultec Chambers	188.00	186.03

## 1.6 Treatment & Volume Recovery

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Per Columbia County & SRWMD requirements, stormwater treatment recovery should not exceed 72-hours for retention facilities. With an applied Factor of Safety, the system should recover within 72-hours. As shown in **Table 5** below, the Cultec system successfully recovers within 72-hours.

**Table 5: Treatment Volume Recovery**

<b>SWMF</b>	<b>Type</b>	<b>Recovery Time (hrs)</b>
Cultec Chambers	Treatment Volume Recovery	12.50

The chambers were also analyzed for quantity recovery. Storage volumes designed into retention or detention systems must be available as follows:

1. One-half of the total volume within seven days following the end of the critical storm event, and
2. The total volume within 30 days following the end of the critical storm event.

**Table 6: Storage Volume Recovery**

<b>SWMF</b>	<b>Type</b>	<b>Recovery Time (hrs)</b>
Cultec Chambers	Total Volume Recovery	205.00
	Half Volume Recovery	34.00

## 1.7 Conclusion

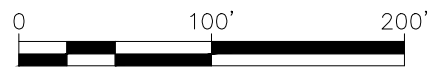
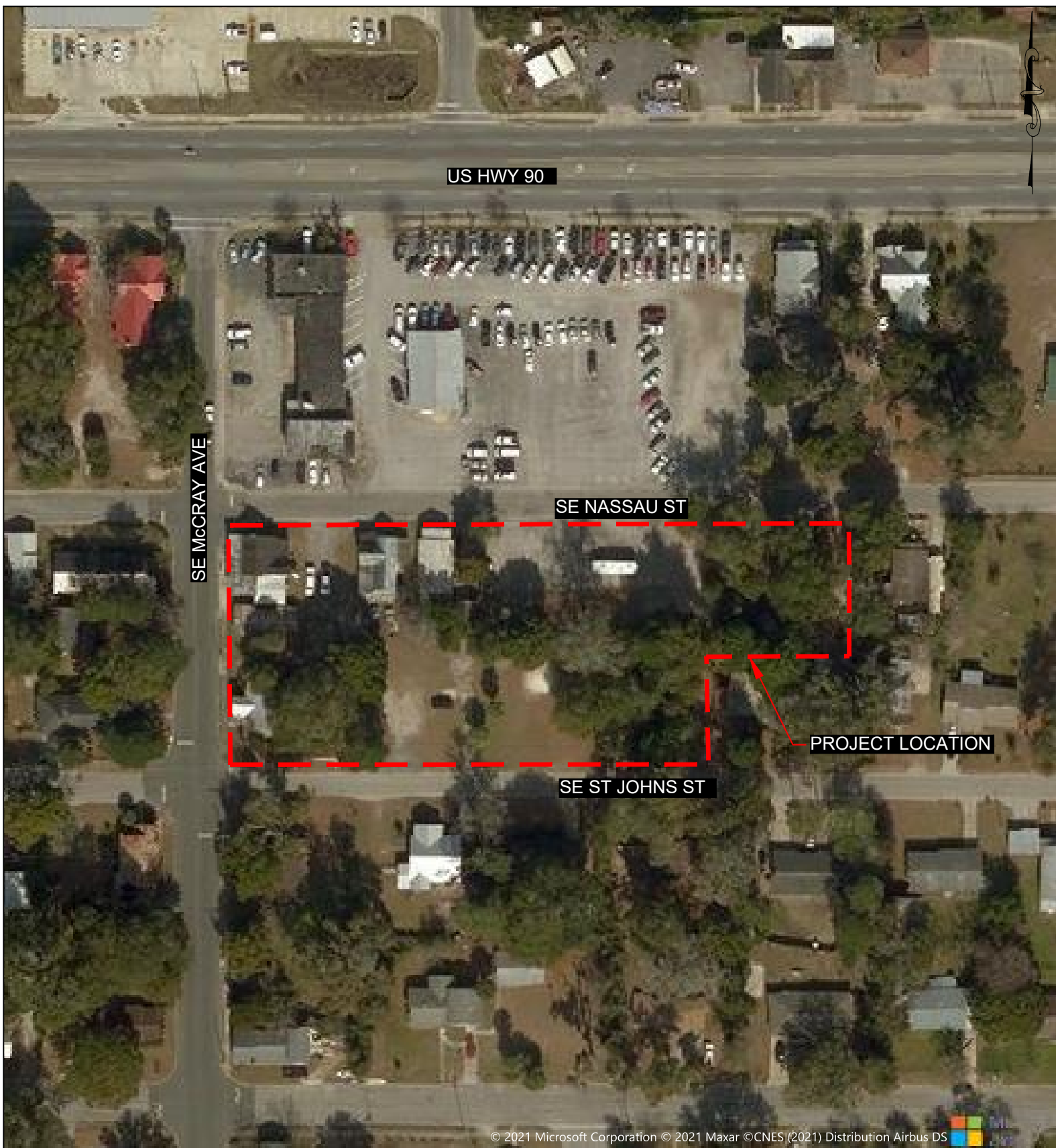
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The stormwater management facilities described in the preceding sections were designed to operate within the requirements and constraints mandated by Columbia County and SRWMD. As described herein, the retention systems successfully meet these criteria and will provide efficient treatment of onsite stormwater runoff.

# EXHIBIT 1



# LOCATION MAP



LOCATION MAP		STORMWATER REPORT	
LAKE CITY BUICK GMC EXPANSION 508 E. DUVAL STREET LAKE CITY, FL			
		Sheet No.:	

# EXHIBIT 2



# GEOTECH REPORT



## Cal -Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

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

7540 103<sup>rd</sup> Street, Suite 215, Jacksonville, FL 32210  
Tel. (904) 381-8901 • Fax (904) 381-8902

**LABORATORIES**

May 18, 2021

Mr. William Menadier, P.E.  
Dewberry, Inc.  
654 SE Baya Drive  
Lake City, Florida 32025

**RE: Geotechnical Engineering Exploration & Soil Field Permeability Testing Report  
Ronsonet Buick GMC New Service Facility Stormwater Pond  
Lake City, Florida  
Cal-Tech Testing Inc. Project No. 21-00209-01**

Dear Mr. William Menadier, P.E.:

This report presents the results of our geotechnical engineering exploration and soil field permeability testing for the proposed stormwater pond at the Ronsonet Buick GMC new service facility in Lake City, Florida.

The purposes of the exploration were to determine the general subsurface soil conditions including the permeability and infiltration rate parameters at the proposed stormwater retention pond.

### **SITE & PROJECT INFORMATION**

Based on information you provided to us, the project site consists of a group of land parcels proposed for the development of a warehouse structure including driveway/parking lots and the subject stormwater retention pond by the northwest corner.

### **SUBSURFACE SOIL EXPLORATION**

Our subsurface soil exploration was performed on May 13, 2021, and consisted of drilling two (2) Standard Penetration Test (SPT) borings (B1 and B2) to a depth of 15 ft. within the proposed retention pond and performing one (1) field soil permeability tests next to the boring B2. The boring locations were laid out by our crew and their Global Positioning System (GPS) coordinates recorded in the boring log. Refer to the enclosed Boring Location Plan and Boring Log.

We contacted Sunshine State One Call of Florida to mark out existing, known underground utilities prior to the beginning of our field exploration.

The SPT borings were advanced using a continuous-flight auger and manual hammer. The split-spoon sampling was performed continuously in the upper 10 ft. and at 5 ft. intervals thereafter to the termination depth of the boring. The penetration test was performed by



driving a 2-inch O.D. split spoon sampler with the hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 24 inches (upper 10 ft.) and 18 inches in 6-inch increments were recorded in boring log. The penetration resistance, N-values, is the summation of the second and third 6-inch increments and is used to derive soil engineering parameter indexes from empirical correlations. The boreholes were backfilled with soil cuttings at completion.

All soil samples were delivered to our geotechnical laboratory for their review and classification by our geotechnical engineer.

The field soil permeability test was performed using a casing driven 0.5 ft. from the bottom of a 4-ft. deep hand-augered borehole. During the tests and after soil saturation we recorded the volume required to keep water at the top of the casing at 5 minutes intervals for 30 minutes.

### SUBSURFACE SOIL CONDITIONS

#### **GENERALIZED SUBSURFACE SOIL PROFILE**

The generalized subsurface soil profile inferred from the results of the subsurface soil exploration consists of a 6 ft. thick SAND stratum underlain by slightly SILTY SAND to a depth of 14 ft. and a BOTTOM SAND stratum thereafter to the explored depth of 15 ft.

#### **GROUNDWATER**

the groundwater was encountered at a depth of 7-7.5 ft. while drilling the borings. The USDA NRCS indicates groundwater deeper than 80 inches.

Typical soil particles coated with iron-oxide reddish -brown and -gray colors observed beginning at a depth of 5 ft. appear to indicate the Seasonal High Groundwater Table (SHGWT) at the boring locations.

Based on the Federal Emergency Administration (FEMA) Flood No. 12023C0284D, effective November 2, 2018, indicates the property is located within an “Area of Minimal Flood Hazard Zone X”

#### **SOIL PERMEABILITY**

Analyses of the data obtained during the field soil permeability test indicate the following results:

<b>Test Location</b>	<b>Depth (ft)</b>	<b>Vertical Unsaturated Soil Hydraulic Conductivity (<math>K_{vu}</math>) (ft/day)</b>	<b>Suggested Horizontal Soil Hydraulic Conductivity (<math>K_h</math>) (ft/day)</b>
<b>B2</b>	4.0	5.5	12.4

An averaged fillable porosity for the sand stratum within the proposed retention pond is estimated at 30%. the confining stratum (SILTY SAND) was encountered at a depth of 6 ft.

Based on the estimated SHGWT and the USDA NRCS Hydrology National Engineering Handbook criteria, the explored soils at B1 could be assigned a Hydrologic Soil Group (HSG) “A”

## LIMITATIONS

Information on subsurface strata shown on the boring logs represent conditions encountered only at the location and depths indicated and at the time of the exploration.

## CLOSURE

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

Sincerely,

**Cal-Tech Testing, Inc.**

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

Enclosures:

Boring Location Plan

Boring Logs



A handwritten signature in blue ink, appearing to read "Mike Stalvey, Jr.", written in a cursive style.

Mike Stalvey, Jr.  
Vice-President



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

**BORING LOCATION PLAN**  
Ronsonet Buick GMC New Service Facility Stormwater Pond  
Lake City, Florida



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

**BORING NUMBER B1**  
 PAGE 1 OF 1

**CLIENT** Dewberry, Inc. **PROJECT NAME** Ronsonet Buick GMC-New Service Facility Stormwater Pond  
**PROJECT NUMBER** 21-00209-01 **PROJECT LOCATION** Lake City Florida  
**DATE STARTED** 5/13/21 **COMPLETED** 5/13/21 **GROUND ELEVATION** 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth  
**DRILLING CONTRACTOR** Cal-Tech Testing, Inc. **GROUND WATER LEVELS:**  
**DRILLING METHOD** Continuous Flight Auger/Split Spoon  **AT TIME OF DRILLING** 7.00 ft / Elev -7.00 ft  
**LOGGED BY** B.S. **CHECKED BY** I.M. **AT END OF DRILLING** ---  
**NOTES** Elev. referred to ground surface **AFTER DRILLING** ---

GEOTECH BH COLUMNS - DATA ENTRY LATEST UPDATE\_GDT - 5/17/21 16:32 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\IRONSONET BUICK GMC-NEW SERVICE FACILITY STORMWATER POND.LAKE CITY FLORIDA.GPJ

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA			REMARKS <small>(DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)</small>	
				NUMBER	TYPE	RECOVERY (%) (RQD) %		BLOW COUNTS (N VALUE)
	(SP) Dark gray SAND		0	1	SS	71	3-3-3-3 (6)	Boring Location Coordinates: N30°11'19.05" W82°37'50.29"  SS=Split Spoon sampler
	(SP) Dark grayish brown SAND		2	2	SS	79	2-3-3-4 (6)	
-5	(SP) Dark reddish gray SAND		4	3	SS	71	3-4-3-3 (7)	
	▽ (SM) Dark reddish gray slightly SILTY SAND		6	4	SS	75	5-8-8-6 (16)	
-10			8	5	SS	67	4-7-9-8 (16)	
-15	(SP) Light gray SAND		14	6	SS	83	5-7-6 (13)	
	Bottom of borehole at 15.0 feet.							



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

# BORING NUMBER B2

PAGE 1 OF 1

**CLIENT** Dewberry, Inc. **PROJECT NAME** Ronsonet Buick GMC-New Service Facility Stormwater Pond  
**PROJECT NUMBER** 21-00209-01 **PROJECT LOCATION** Lake City Florida  
**DATE STARTED** 5/13/21 **COMPLETED** 5/13/21 **GROUND ELEVATION** 0 ft **HOLE SIZE** 3-in dia. x 15 ft. depth  
**DRILLING CONTRACTOR** Cal-Tech Testing, Inc. **GROUND WATER LEVELS:**  
**DRILLING METHOD** Continuous Flight Auger/Split Spoon  **AT TIME OF DRILLING** 7.50 ft / Elev -7.50 ft  
**LOGGED BY** B.S. **CHECKED BY** I.M. **AT END OF DRILLING** ---  
**NOTES** Elev. referred to ground surface **AFTER DRILLING** ---

GEO TECH BH COLUMNS - DATA ENTRY LATEST UPDATE.GDT - 5/17/21 16:32 - C:\PROGRAM FILES (X86)\GINT\PROJECTS\RONSONET BUICK GMC-NEW SERVICE FACILITY STORMWATER POND, LAKE CITY FLORIDA.GPJ

ELEV. (ft)	MATERIAL DESCRIPTION	SYMBOL LOG	DEPTH SCALE (ft)	SAMPLE DATA				REMARKS (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)
				NUMBER	TYPE	RECOVERY (%) (RQD) %	BLOW COUNTS (N VALUE)	
	(SP) Dark gray SAND		1	SS	71	3-3-3-3 (6)	Boring Location Coordinates: N30°11'18.04" W82°37'50.45"  SS=Split Spoon sampler	
	(SP) Light brownish gray SAND		2	SS	75	3-3-4-3 (7)		
-5	(SP) Reddish gray SAND		3	SS	75	3-3-3-3 (6)		
	(SM) Dark reddish gray slightly SILTY SAND		4	SS	79	3-7-9-10 (16)		
-10			5	SS	83	8-13-14-16 (27)		
-15	(SP) Reddish gray SAND		6	SS	94	7-6-7 (13)		
	Bottom of borehole at 15.0 feet.							

## EXHIBIT 3




# **WETLAND SYSTEMS & FLOOD ZONES**



November 16, 2021

### Wetlands

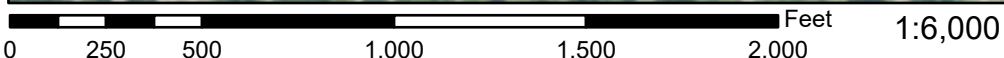
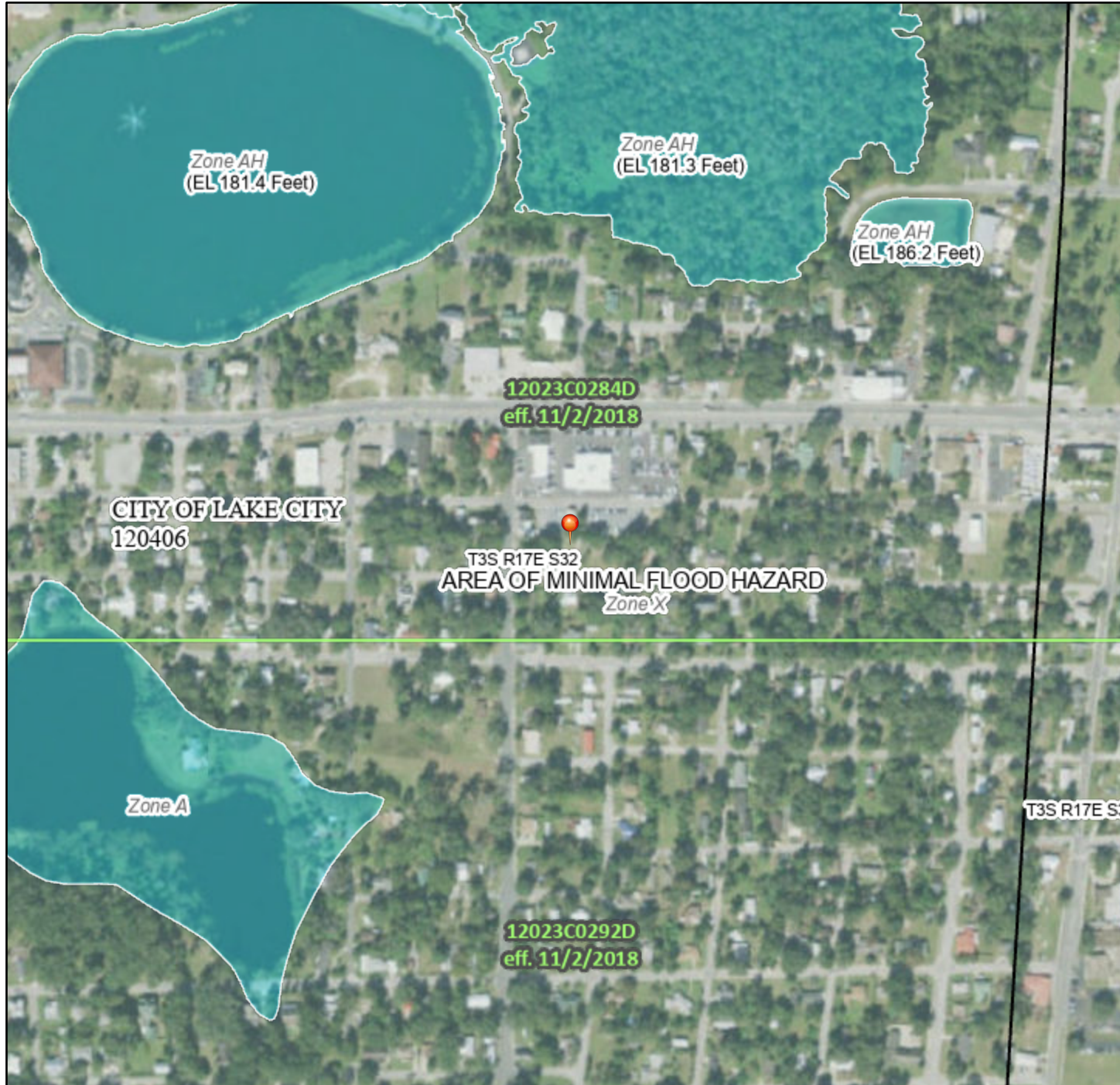
- |   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# National Flood Hazard Layer FIRMMette



82°38'8"W 30°11'33"N



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

82°37'30"W 30°11'2"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/16/2021 at 4:32 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

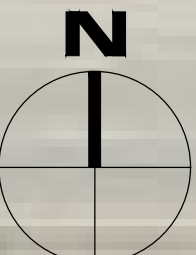
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



# EXHIBIT 4



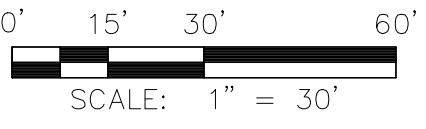
# PRE & POST BASIN MAPS



LAKE CITY BUICK GMC  
SERVICE DEPT. EXP.  
COLUMBIA COUNTY, FLORIDA

SEAL

SCALE



REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY                          TLC

APPROVED BY                         

CHECKED BY                         

DATE                          11/29/2021

TITLE

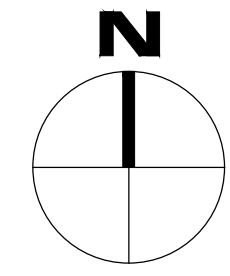
PRE-BASIN  
MAP

PROJECT NO.                          PRE-BASIN

SHEET NO.                          OF                         

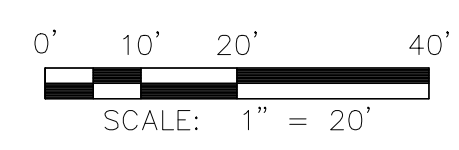
PRE-BASIN  
1.948 AC OR 84855 S.F.

November 18, 2021 (11:59 AM EST)  
S:\2021\11\29\21\LAKE CITY BUICK GMC SERVICE DEPT. EXP.\LAKE CITY BUICK GMC SERVICE DEPT. EXP. MAP.DWG



SEAL

SCALE



REVISIONS

NO.	DESCRIPTION	DATE

NO. DESCRIPTION DATE

DRAWN BY \_\_\_\_\_ TLC

APPROVED BY \_\_\_\_\_

CHECKED BY \_\_\_\_\_

DATE 11/29/2021

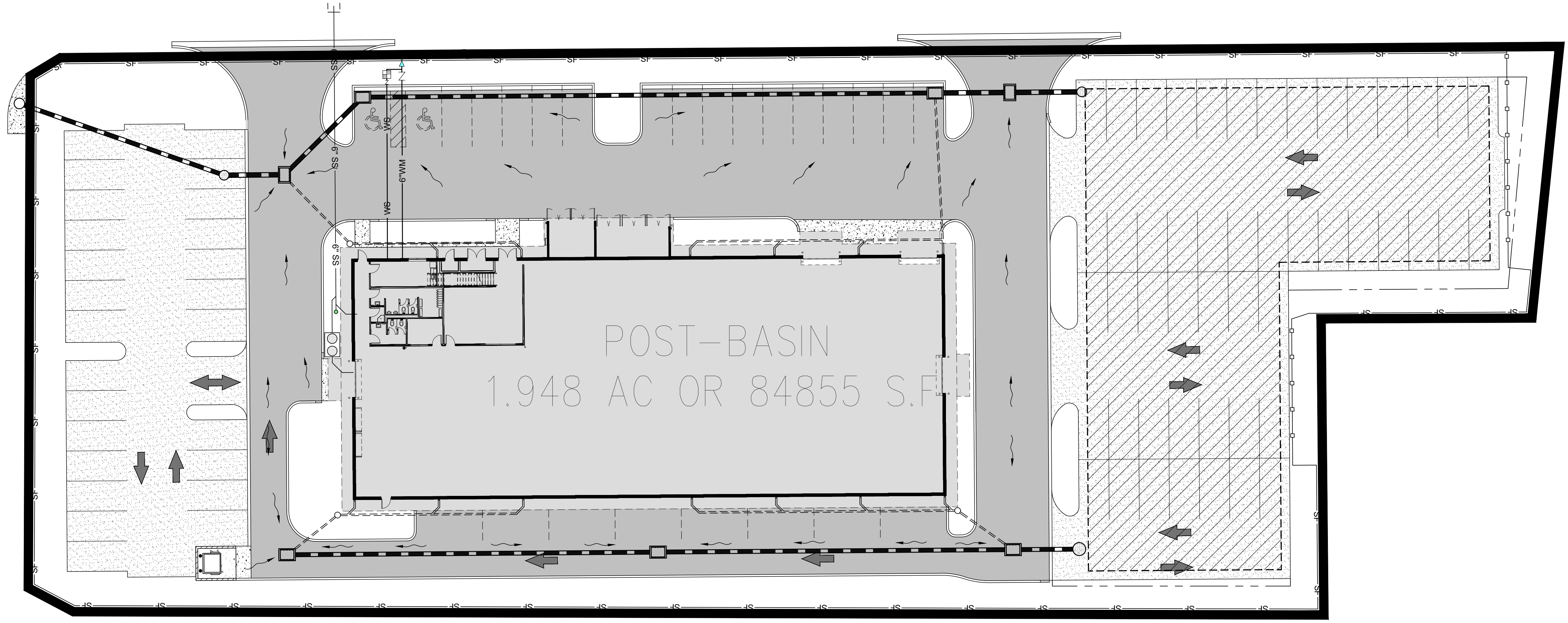
TITLE

POST-BASIN  
MAP

PROJECT NO. POST-BASIN

1

SHEET NO. OF



November 15, 2021 (11:29 AM EST)  
S:\10000000\LAKE\_CITY\_BUICK\_GMC\Service Dept. Exp.\Post-Basin Map.dwg

# SECTION 1



# **STORMWATER VOLUME CALCULATIONS**

# TREATMENT VOLUME CALCULATION

CULTEC Recharger 330XLHD Incremental Storage Volumes						
Height of System	HVLV FC-24			Cumulative Storage Volume	Total Cumulative Storage Volume	Elevation
	Chamber Volume	Feed Connector Volume	Stone Volume			
in	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft <sup>3</sup>	ft
42.5	0.00	0.00	472.55	472.55	32815.92	188.00
41.5	0.00	0.00	472.55	472.55	32343.37	187.92
40.5	0.00	0.00	472.55	472.55	31870.82	187.84
39.5	0.00	0.00	472.55	472.55	31398.28	187.75
38.5	0.00	0.00	472.55	472.55	30925.73	187.67
37.5	0.00	0.00	472.55	472.55	30453.18	187.59
36.5	0.28	0.00	236.16	236.44	29980.64	187.50
36	54.06	0.00	450.92	504.98	29744.19	187.46
35	145.10	0.00	414.51	559.60	29239.21	187.38
34	238.98	0.00	376.95	615.93	28679.61	187.29
33	352.78	0.00	331.43	684.21	28063.68	187.21
32	426.75	0.00	301.85	728.60	27379.46	187.13
31	492.19	0.00	275.67	767.86	26650.86	187.04
30	543.40	0.00	255.19	798.58	25883.01	186.96
29	588.92	0.00	236.98	825.90	25084.42	186.88
28	628.75	0.00	221.05	849.79	24258.53	186.79
27	662.89	0.00	207.39	870.28	23408.73	186.71
26	694.18	0.00	194.87	889.05	22538.46	186.63
25	722.63	0.00	183.49	906.12	21649.40	186.54
24	751.08	0.00	172.11	923.19	20743.28	186.46
23	771.00	0.00	164.15	935.14	19820.08	186.38
22	805.14	0.00	150.49	955.63	18884.94	186.29
21	836.43	0.00	137.97	974.40	17929.31	186.21
20	842.12	0.00	135.70	977.82	16954.91	186.13
19	850.66	0.00	132.28	982.94	15977.09	186.04
18	856.35	0.00	130.01	986.35	14994.15	185.96
17	862.04	0.00	127.73	989.77	14007.79	185.88
16	864.88	0.00	126.59	991.47	13018.03	185.79
15	870.57	0.00	124.32	994.89	12026.55	185.71
14	890.49	0.00	116.35	1006.84	11031.66	185.63
13	913.25	0.00	107.25	1020.49	10024.82	185.54
12	916.09	0.00	106.11	1022.20	9004.33	185.46
11	918.94	0.00	104.97	1023.91	7982.13	185.38
10	921.78	0.00	103.83	1025.61	6958.22	185.29
9	924.63	0.00	102.70	1027.32	5932.61	185.21
8	930.32	0.00	100.42	1030.74	4905.29	185.13
7	944.54	0.00	94.73	1039.27	3874.55	185.04
6	0.00	0.00	472.55	472.55	2835.28	184.96
5	0.00	0.00	472.55	472.55	2362.73	184.88
4	0.00	0.00	472.55	472.55	1890.19	184.79
3	0.00	0.00	472.55	472.55	1417.64	184.71
2	0.00	0.00	472.55	472.55	945.09	184.63
1	0.00	0.00	472.55	472.55	472.55	184.54
6	0.00	0.00	474.70	474.70	2848.19	184.96
5	0.00	0.00	474.70	474.70	2373.49	184.88
4	0.00	0.00	474.70	474.70	1898.79	184.79
3	0.00	0.00	474.70	474.70	1424.09	184.71
2	0.00	0.00	474.70	474.70	949.40	184.63
1	0.00	0.00	474.70	474.70	474.70	184.54

- 1. Treatment Ele.= 185.11 ft
- 2. Treatment Volume = 4,616 cf

**Drainage Area:** 1.984 Ac.  
 This is for treatment of the new area.

**Treatment Volume Calculation (1.0" of Treatment)**

Treatment Volume= Cx1inchx Contributing Area C= 0.64  
 Area Draining to Pond = 86,423 square feet  
 Treatment Vol. Rqd. = 4,616 cubic feet  
 Treatment Vol provided at El = 185.11 feet

**Treatment Volume Calculation (0.5" of Treatment)**

Treatment Volume= 0.5 inx Contributing Area  
 Area Draining to Pond = 86,423 square feet  
 Treatment Vol. Rqd. = 3,601 cubic feet  
 Treatment Vol provided at El = 185.02 feet

## SECTION 2



# **ICPR STORMWATER MODEL RESULTS**

Curve Number: Curve Nos [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
Imp-A	Imp-A	98.0
Imp-Gravel	Imp-Gravel	76.0
Perv-A	Perv-A	39.0
Perv-Pre	Perv-Pre	49.0

Manual Basin: Post-Con

Scenario: Scenario1  
 Node: Exfiltration Chambers  
 Hydrograph Method: NRCS Unit Hydrograph  
 Infiltration Method: Curve Number  
 Time of Concentration: 10.0000 min  
 Max Allowable Q: 99999.00 cfs  
 Time Shift: 0.0000 hr  
 Unit Hydrograph: UH484  
 Peaking Factor: 484.0  
 Area: 1.9840 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
0.5806	Imp-Gravel	Imp-Gravel			
0.5229	Perv-A	Perv-A			
0.8805	Imp-A	Imp-A			

Comment:

Manual Basin: Pre-Con

Scenario: Scenario1  
 Node: Pre Boundary  
 Hydrograph Method: NRCS Unit Hydrograph  
 Infiltration Method: Curve Number  
 Time of Concentration: 10.0000 min  
 Max Allowable Q: 99999.00 cfs  
 Time Shift: 0.0000 hr  
 Unit Hydrograph: UH323  
 Peaking Factor: 323.0  
 Area: 1.9840 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
1.2837	Perv-Pre	Perv-Pre			
0.1542	Imp-A	Imp-A			
0.5461	Imp-Gravel	Imp-Gravel			

Comment:

Node: Exfiltration Chambers

Scenario: Scenario1  
 Type: Stage/Volume  
 Base Flow: 0.00 cfs  
 Initial Stage: 184.46 ft  
 Warning Stage: 189.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
188.00	0.75	32814
187.92	0.74	32343
187.84	0.73	31873
187.75	0.72	31398
187.67	0.71	30928
187.59	0.70	30453
187.50	0.69	29982
187.46	0.68	29743
187.38	0.67	29237
187.29	0.66	28680
187.21	0.64	28066
187.13	0.63	27377
187.04	0.61	26650
186.96	0.59	25883
186.88	0.58	25086
186.79	0.56	24259
186.71	0.54	23409
186.63	0.52	22538
186.54	0.50	21649
186.46	0.48	20743
186.38	0.46	19820
186.29	0.43	18883
186.21	0.41	17929
186.13	0.39	16954
186.04	0.37	15978
185.96	0.34	14993
185.88	0.32	14009
185.79	0.30	13020
185.71	0.28	12027
185.63	0.25	11034
185.54	0.23	10023
185.46	0.21	9004
185.38	0.18	7980
185.29	0.16	6957
185.21	0.14	5933
185.13	0.11	4905
185.04	0.09	3872
184.96	0.07	2836
184.88	0.05	2361
184.79	0.04	1891
184.71	0.03	1416
184.63	0.02	945



Stage [ft]	Volume [ac-ft]	Volume [ft3]
184.54	0.01	470
184.46	0.00	0

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Exfiltration Chambers	100yr 001hr	189.00	186.03	0.0010	9.99	0.33	12819

Node: Ground

Scenario: Scenario1  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 182.50 ft  
 Warning Stage: 183.50 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	182.50
0	0	0	999.0000	182.50

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Ground	100yr 001hr	183.50	182.50	0.0000	0.33	0.00	0

Node: Post Boundary

Scenario: Scenario1  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 184.30 ft  
 Warning Stage: 185.30 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	184.30
0	0	0	999.0000	184.30

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Post Boundary	100yr 001hr	185.30	184.30	0.0000	0.00	0.00	0

Node: Pre Boundary

Scenario: Scenario1  
 Type: Time/Stage  
 Base Flow: 0.00 cfs  
 Initial Stage: 184.30 ft  
 Warning Stage: 185.30 ft  
 Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	184.30
0	0	0	999.0000	184.30

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pre Boundary	100yr 001hr	185.30	184.30	0.0000	4.05	0.00	0

Weir Link: Outfall

Scenario: Scenario1  
 From Node: Exfiltration Chambers  
 To Node: Post Boundary  
 Link Count: 1  
 Flow Direction: Both

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

Top Clip

Damping: 0.0000 ft	
Weir Type: Horizontal	Default: 0.00 ft
Geometry Type: Rectangular	Op Table:
Invert: 188.00 ft	Ref Node:
Control Elevation: 188.00 ft	Discharge Coefficients
Max Depth: 2.90 ft	Weir Default: 2.800
Max Width: 2.90 ft	Weir Table:
Fillet: 0.00 ft	Orifice Default: 0.600
	Orifice Table:

Comment:

Percolation Link: Exfil Perc

Scenario: Scenario1	Surface Area Option: Vary Based on Stage/Area Table
From Node: Exfiltration Chambers	Vertical Flow Termination: Horizontal Flow Algorithm
To Node: Ground	Perimeter 1: 588.00 ft
Link Count: 1	Perimeter 2: 988.00 ft
Flow Direction: Both	Perimeter 3: 989.00 ft
Aquifer Base Elevation: 182.50 ft	Distance P1 to P2: 50.00 ft
Water Table Elevation: 182.50 ft	Distance P2 to P3: 1.00 ft
Annual Recharge Rate: 0 ipy	# of Cells P1 to P2: 10
Horizontal Conductivity: 6.200 fpd	# of Cells P2 to P3: 1
Vertical Conductivity: 2.250 fpd	
Fillable Porosity: 0.300	
Layer Thickness: 1.96 ft	

Comment:

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Exfil Perc	100yr 001hr	0.33	0.00	0.01	0.00	0.00	0.00

Simulation: 100yr 001hr

Scenario: Scenario1  
 Run Date/Time: 11/29/2021 3:04:13 PM  
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000

End Time: 0 0 0 2.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:  
Reference ET Folder:  
Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:  
Extern Hydrograph Set:  
Curve Number Set: Curve Nos  
  
Green-Ampt Set:  
Vertical Layers Set:  
Impervious Set: Imp Set  
Roughness Set:  
Crop Coef Set:  
Fillable Porosity Set:  
Conductivity Set:  
Leakage Set:

Tolerances & Options

Time Marching: SAOR  
Max Iterations: 6  
Over-Relax Weight 0.5 dec  
Fact:  
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr  
ET for Manual Basins: False  
  
Smp/Man Basin Rain Global

Max dZ:	1.0000 ft	Opt:	
Link Optimizer Tol:	0.0001 ft	OF Region Rain Opt:	Region Specification
		Rainfall Name:	~FDOT-1
Edge Length Option:	Automatic	Rainfall Amount:	4.20 in
		Storm Duration:	1.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area	100 ft2	Min Node Srf Area	100 ft2
(2D):		(1D):	
Energy Switch (2D):	Energy	Energy Switch (1D):	Diffusive Wave

Comment:

Simulation: Slug Load

Scenario: Scenario1  
 Run Date/Time: 11/29/2021 3:12:43 PM  
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:  
 Reference ET Folder:  
 Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:  
 Extern Hydrograph Set:  
 Curve Number Set: Curve Nos  
  
 Green-Ampt Set:  
 Vertical Layers Set:  
 Impervious Set: Imp Set  
 Roughness Set:  
 Crop Coef Set:  
 Fillable Porosity Set:

Conductivity Set:  
Leakage Set:

**Tolerances & Options**

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Global
	Opt:
Max dZ: 1.0000 ft	OF Region Rain Opt: Global
Link Optimizer Tol: 0.0001 ft	Rainfall Name:
	Rainfall Amount: 0.00 in
Edge Length Option: Automatic	Storm Duration: 72.0000 hr
Dflt Damping (2D): 0.0050 ft	Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2	Min Node Srf Area 100 ft2
(2D):	(1D):
Energy Switch (2D): Energy	Energy Switch (1D): Energy

Comment:

**Node: Exfiltration Chambers**

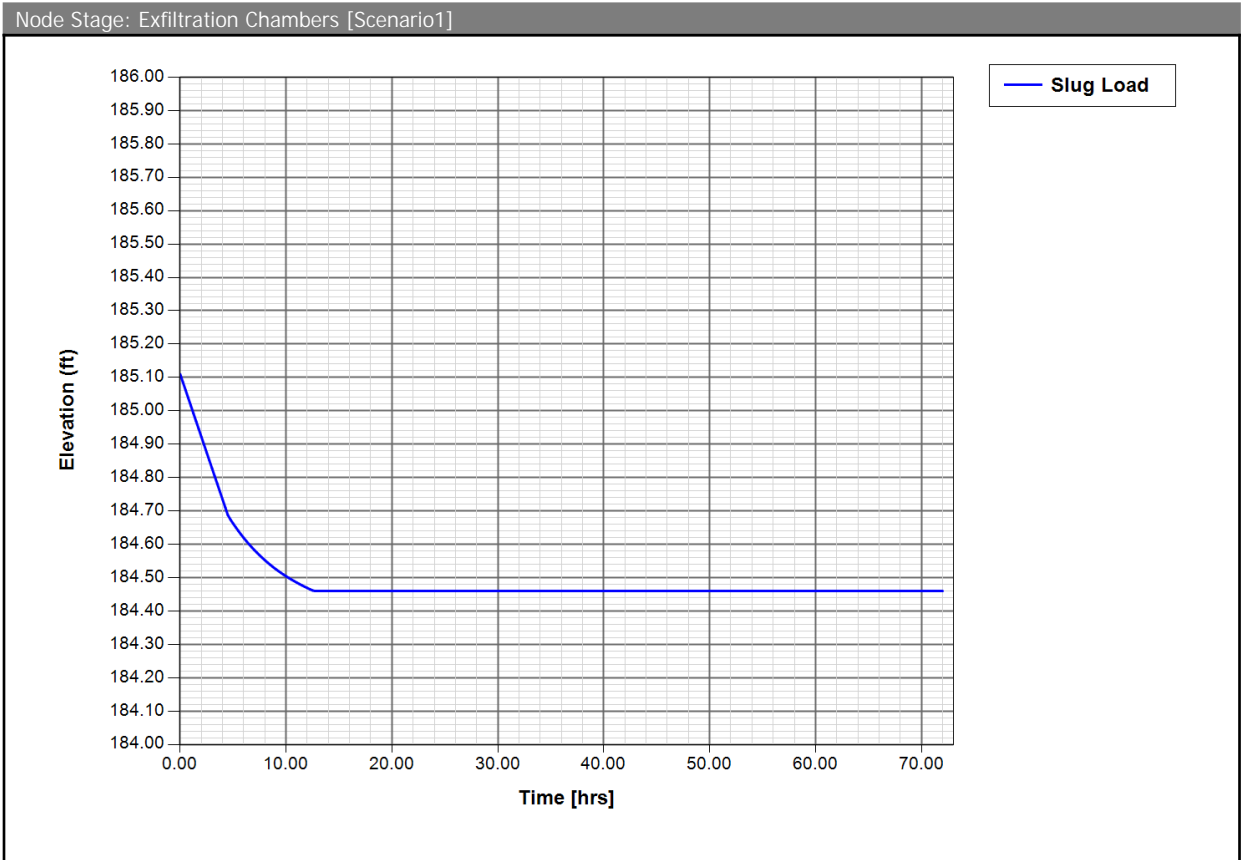
Scenario: Scenario1  
Type: Stage/Volume  
Base Flow: 0.00 cfs  
Initial Stage: 185.11 ft  
Warning Stage: 189.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
188.00	0.75	32814
187.92	0.74	32343
187.84	0.73	31873
187.75	0.72	31398
187.67	0.71	30928
187.59	0.70	30453
187.50	0.69	29982
187.46	0.68	29743
187.38	0.67	29237
187.29	0.66	28680
187.21	0.64	28066
187.13	0.63	27377
187.04	0.61	26650
186.96	0.59	25883
186.88	0.58	25086
186.79	0.56	24259

Stage [ft]	Volume [ac-ft]	Volume [ft3]
186.71	0.54	23409
186.63	0.52	22538
186.54	0.50	21649
186.46	0.48	20743
186.38	0.46	19820
186.29	0.43	18883
186.21	0.41	17929
186.13	0.39	16954
186.04	0.37	15978
185.96	0.34	14993
185.88	0.32	14009
185.79	0.30	13020
185.71	0.28	12027
185.63	0.25	11034
185.54	0.23	10023
185.46	0.21	9004
185.38	0.18	7980
185.29	0.16	6957
185.21	0.14	5933
185.13	0.11	4905
185.04	0.09	3872
184.96	0.07	2836
184.88	0.05	2361
184.79	0.04	1891
184.71	0.03	1416
184.63	0.02	945
184.54	0.01	470
184.46	0.00	0

Comment:





Simulation: Slug Load - 30 Day

Scenario: Scenario1  
 Run Date/Time: 11/29/2021 3:14:27 PM  
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	720.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:  
 Reference ET Folder:  
 Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:  
 Extern Hydrograph Set:  
 Curve Number Set: Curve Nos  
  
 Green-Ampt Set:  
 Vertical Layers Set:  
 Impervious Set: Imp Set  
 Roughness Set:  
 Crop Coef Set:  
 Fillable Porosity Set:

Conductivity Set:  
Leakage Set:

**Tolerances & Options**

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight: 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
	OF Region Rain Opt: Global
Max dZ: 1.0000 ft	Rainfall Name:
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 0.00 in
	Storm Duration: 720.0000 hr
Edge Length Option: Automatic	
Dflt Damping (2D): 0.0050 ft	Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2	Min Node Srf Area (1D): 100 ft2
	Energy Switch (1D): Energy
Energy Switch (2D): Energy	

Comment:

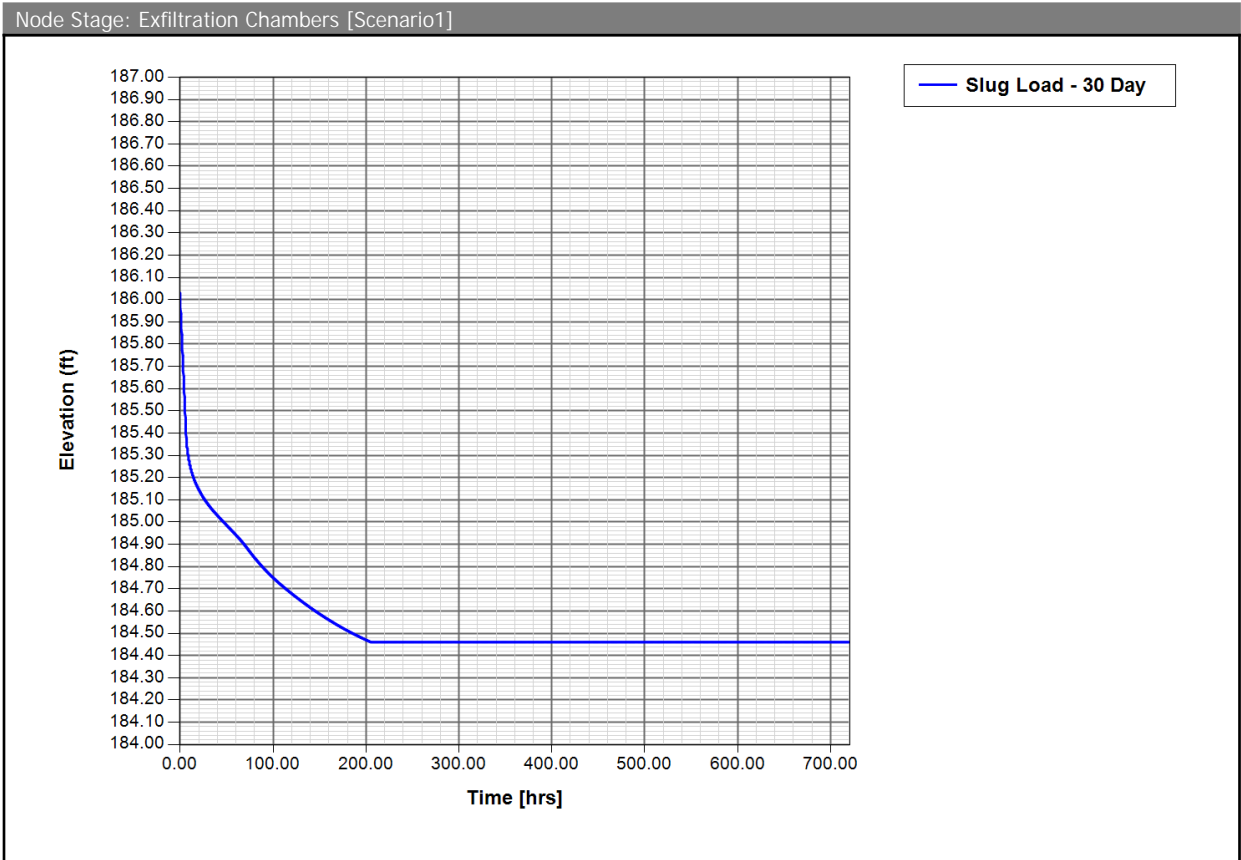
**Node: Exfiltration Chambers**

Scenario: Scenario1  
 Type: Stage/Volume  
 Base Flow: 0.00 cfs  
 Initial Stage: 186.03 ft  
 Warning Stage: 189.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
188.00	0.75	32814
187.92	0.74	32343
187.84	0.73	31873
187.75	0.72	31398
187.67	0.71	30928
187.59	0.70	30453
187.50	0.69	29982
187.46	0.68	29743
187.38	0.67	29237
187.29	0.66	28680
187.21	0.64	28066
187.13	0.63	27377
187.04	0.61	26650
186.96	0.59	25883
186.88	0.58	25086
186.79	0.56	24259

Stage [ft]	Volume [ac-ft]	Volume [ft3]
186.71	0.54	23409
186.63	0.52	22538
186.54	0.50	21649
186.46	0.48	20743
186.38	0.46	19820
186.29	0.43	18883
186.21	0.41	17929
186.13	0.39	16954
186.04	0.37	15978
185.96	0.34	14993
185.88	0.32	14009
185.79	0.30	13020
185.71	0.28	12027
185.63	0.25	11034
185.54	0.23	10023
185.46	0.21	9004
185.38	0.18	7980
185.29	0.16	6957
185.21	0.14	5933
185.13	0.11	4905
185.04	0.09	3872
184.96	0.07	2836
184.88	0.05	2361
184.79	0.04	1891
184.71	0.03	1416
184.63	0.02	945
184.54	0.01	470
184.46	0.00	0

Comment:



Simulation: Slug Load - 7 Day

Scenario: Scenario1  
 Run Date/Time: 11/29/2021 3:21:51 PM  
 Program Version: ICPR4 4.05.02

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	168.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		30.0000	

Output Time Increments

Hydrology

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

Surface Hydraulics

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

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:  
 Reference ET Folder:  
 Unit Hydrograph Folder:

Lookup Tables

Boundary Stage Set:  
 Extern Hydrograph Set:  
 Curve Number Set: Curve Nos  
  
 Green-Ampt Set:  
 Vertical Layers Set:  
 Impervious Set: Imp Set  
 Roughness Set:  
 Crop Coef Set:  
 Fillable Porosity Set:

Conductivity Set:  
Leakage Set:

**Tolerances & Options**

Time Marching: SAOR	IA Recovery Time: 24.0000 hr
Max Iterations: 6	ET for Manual Basins: False
Over-Relax Weight: 0.5 dec	
Fact:	
dZ Tolerance: 0.0010 ft	Smp/Man Basin Rain Opt: Global
	OF Region Rain Opt: Global
Max dZ: 1.0000 ft	Rainfall Name:
Link Optimizer Tol: 0.0001 ft	Rainfall Amount: 0.00 in
	Storm Duration: 168.0000 hr
Edge Length Option: Automatic	
Dflt Damping (2D): 0.0050 ft	Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (2D): 100 ft2	Min Node Srf Area (1D): 100 ft2
	Energy Switch (1D): Energy
Energy Switch (2D): Energy	

Comment:

**Node: Exfiltration Chambers**

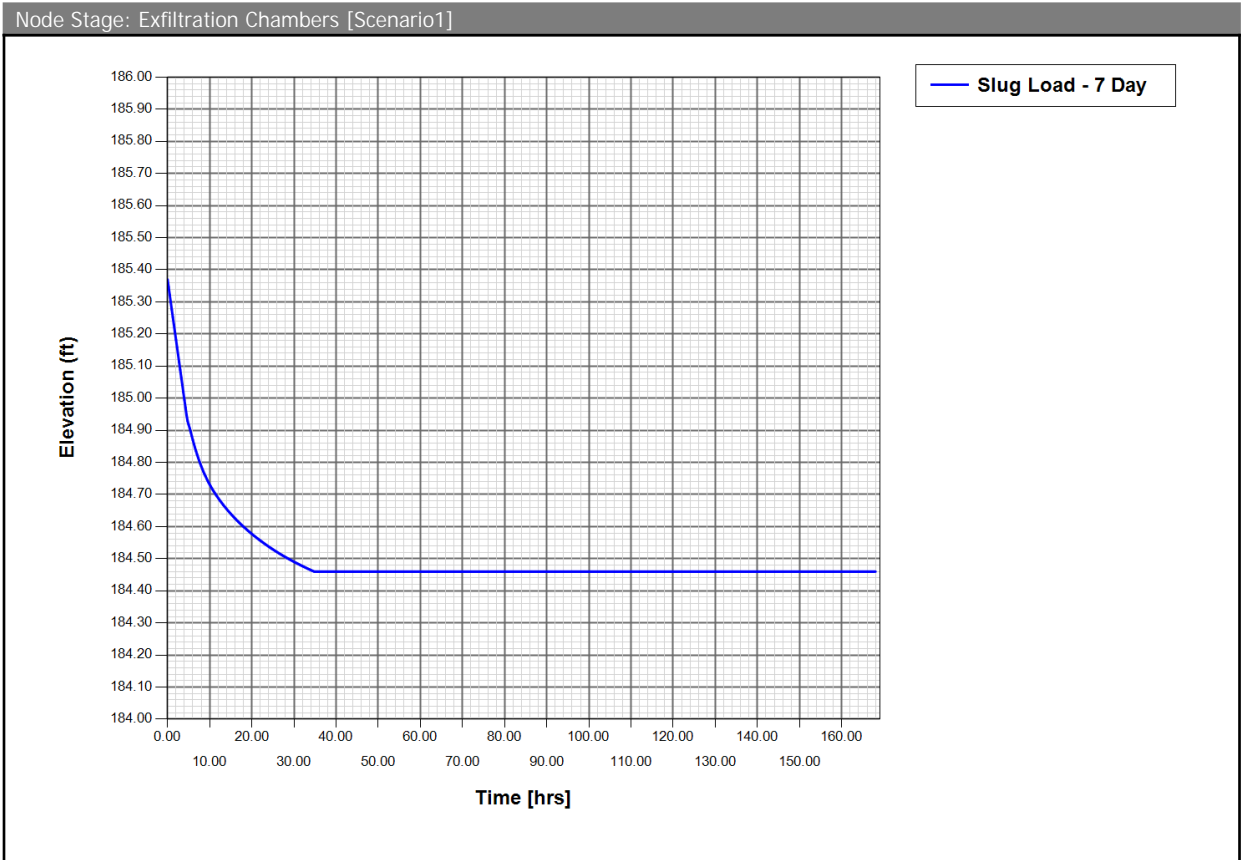
Scenario: Scenario1  
 Type: Stage/Volume  
 Base Flow: 0.00 cfs  
 Initial Stage: 185.37 ft  
 Warning Stage: 189.00 ft

Stage [ft]	Volume [ac-ft]	Volume [ft3]
188.00	0.75	32814
187.92	0.74	32343
187.84	0.73	31873
187.75	0.72	31398
187.67	0.71	30928
187.59	0.70	30453
187.50	0.69	29982
187.46	0.68	29743
187.38	0.67	29237
187.29	0.66	28680
187.21	0.64	28066
187.13	0.63	27377
187.04	0.61	26650
186.96	0.59	25883
186.88	0.58	25086
186.79	0.56	24259

Stage [ft]	Volume [ac-ft]	Volume [ft3]
186.71	0.54	23409
186.63	0.52	22538
186.54	0.50	21649
186.46	0.48	20743
186.38	0.46	19820
186.29	0.43	18883
186.21	0.41	17929
186.13	0.39	16954
186.04	0.37	15978
185.96	0.34	14993
185.88	0.32	14009
185.79	0.30	13020
185.71	0.28	12027
185.63	0.25	11034
185.54	0.23	10023
185.46	0.21	9004
185.38	0.18	7980
185.29	0.16	6957
185.21	0.14	5933
185.13	0.11	4905
185.04	0.09	3872
184.96	0.07	2836
184.88	0.05	2361
184.79	0.04	1891
184.71	0.03	1416
184.63	0.02	945
184.54	0.01	470
184.46	0.00	0

Comment:





Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Exfiltration Chambers	100yr 001hr	189.00	186.03	0.0010	9.99	0.33	12819
Exfiltration Chambers	100yr 002hr	189.00	186.34	0.0010	7.57	0.33	12821
Exfiltration Chambers	100yr 004hr	189.00	186.69	0.0010	4.10	0.33	12823
Exfiltration Chambers	100yr 008hr	189.00	187.18	0.0010	4.51	0.33	12822
Exfiltration Chambers	100yr 024hr	189.00	188.04	0.0010	1.47	0.45	12820
Exfiltration Chambers	100yr 072hr	189.00	188.09	0.0010	1.05	1.05	12823
Exfiltration Chambers	100yr 168hr	189.00	188.08	0.0010	0.74	0.74	12821
Exfiltration Chambers	100yr 240hr	189.00	188.09	0.0010	0.99	0.99	12820

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Post Boundary	100yr 001hr	185.30	184.30	0.0000	0.00	0.00	0
Post Boundary	100yr 002hr	185.30	184.30	0.0000	0.00	0.00	0
Post Boundary	100yr 004hr	185.30	184.30	0.0000	0.00	0.00	0
Post Boundary	100yr 008hr	185.30	184.30	0.0000	0.00	0.00	0
Post Boundary	100yr 024hr	185.30	184.30	0.0000	0.30	0.00	0
Post Boundary	100yr 072hr	185.30	184.30	0.0000	0.94	0.00	0
Post Boundary	100yr 168hr	185.30	184.30	0.0000	0.69	0.00	0
Post Boundary	100yr 240hr	185.30	184.30	0.0000	0.92	0.00	0

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
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Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Pre Boundary	100yr 001hr	185.30	184.30	0.0000	4.05	0.00	0
Pre Boundary	100yr 002hr	185.30	184.30	0.0000	3.52	0.00	0
Pre Boundary	100yr 004hr	185.30	184.30	0.0000	2.58	0.00	0
Pre Boundary	100yr 008hr	185.30	184.30	0.0000	3.21	0.00	0
Pre Boundary	100yr 024hr	185.30	184.30	0.0000	1.11	0.00	0
Pre Boundary	100yr 072hr	185.30	184.30	0.0000	0.96	0.00	0
Pre Boundary	100yr 168hr	185.30	184.30	0.0000	0.69	0.00	0
Pre Boundary	100yr 240hr	185.30	184.30	0.0000	0.93	0.00	0

# APPENDIX A



## **CULTEC CHAMBER DETAILS**



# CULTEC Recharger® 330XLHD Stormwater Chamber

The Recharger® 330XLHD is a 30.5" (775 mm) tall, high capacity chamber. Typically when using this model, fewer chambers are required resulting in less labor and a smaller installation area. The Recharger® 330XLHD has the side portal internal manifold feature. HVLV® FC-24 Feed Connectors are inserted into the side portals to create the internal manifold.



Size (L x W x H)	8.5' x 52" x 30.5" 2.59 m x 1321 mm x 775 mm
Installed Length	7' 2.13 m
Length Adjustment per Run	1.50' 0.46 m
Chamber Storage	7.46 ft <sup>3</sup> /ft 0.69 m <sup>3</sup> /m 52.21 ft <sup>3</sup> /unit 1.48 m <sup>3</sup> /unit
Min. Installed Storage	11.32 ft <sup>3</sup> /ft 1.05 m <sup>3</sup> /m 79.26 ft <sup>3</sup> /unit 2.24 m <sup>3</sup> /unit
Min. Area Required	33.83 ft <sup>2</sup> 3.14 m <sup>2</sup>
Chamber Weight	73.0 lbs 33.11 kg
Shipping	30 chambers/skid 2,335 lbs/skid 10 skids/48' flatbed
Min. Center-to-Center Spacing	4.83' 1.47 m
Max. Allowable Cover	12' 3.66 m
Max. Inlet Opening in End Wall	24" HDPE, PVC 600 mm HDPE, PVC
Max. Allowable O.D. in Side Portal	10" HDPE, 12" PVC 250 mm HDPE, 300 mm PVC
Compatible Feed Connector	HVLV FC-24 Feed Connector

Calculations are based on installed chamber length.  
All above values are nominal.  
Min. installed storage includes 6" (152 mm) stone base, 6" (152 mm) stone above crown of chamber and typical stone surround at 58" (1473 mm) center-to-center spacing.

	Stone Foundation Depth		
	6" 152 mm	12" 305 mm	18" 457 mm
Chamber and Stone Storage Per Chamber	79.26 ft <sup>3</sup> 2.24 m <sup>3</sup>	86.03 ft <sup>3</sup> 2.44 m <sup>3</sup>	92.79 ft <sup>3</sup> 2.63 m <sup>3</sup>
Min. Effective Depth	3.54' 1.08 m	4.04' 1.23 m	4.54' 1.38 m
Stone Required Per Chamber	2.50 yd <sup>3</sup> 1.91 m <sup>3</sup>	3.13 yd <sup>3</sup> 2.39 m <sup>3</sup>	3.76 yd <sup>3</sup> 2.87 m <sup>3</sup>

Calculations are based on installed chamber length.  
Includes 6" (305 mm) stone above crown of chamber and typical stone surround at 58"(1473 mm) center-to-center spacing and stone foundation as listed in table.  
Stone void calculated at 40%.

## Recharger® 330XLHD Bare Chamber Storage Volumes

Elevation		Incremental Storage Volume				Cumulative Storage	
in.	mm	ft <sup>3</sup> /ft	m <sup>3</sup> /m	ft <sup>3</sup>	m <sup>3</sup>	ft <sup>3</sup>	m <sup>3</sup>
30.5	775	0.000	0.000	0.000	0.000	52.213	1.479
30	762	0.019	0.002	0.133	0.004	52.213	1.479
29	737	0.051	0.005	0.357	0.010	52.080	1.475
28	711	0.084	0.008	0.588	0.017	51.723	1.465
27	686	0.124	0.012	0.868	0.025	51.135	1.448
26	660	0.150	0.014	1.05	0.030	50.267	1.424
25	635	0.173	0.016	1.211	0.034	49.217	1.394
24	609	0.191	0.018	1.337	0.038	48.006	1.360
23	584	0.207	0.019	1.449	0.041	46.669	1.322
22	559	0.221	0.021	1.547	0.044	45.220	1.281
21	533	0.233	0.022	1.631	0.046	43.673	1.237
20	508	0.244	0.023	1.708	0.048	42.042	1.191
19	483	0.254	0.024	1.778	0.050	40.334	1.142
18	457	0.264	0.025	1.848	0.052	38.556	1.092
17	432	0.271	0.025	1.897	0.054	36.708	1.040
16	406	0.283	0.026	1.981	0.056	34.811	0.986
15	381	0.294	0.027	2.058	0.058	32.830	0.930
14	356	0.296	0.027	2.072	0.059	30.772	0.871
13	330	0.299	0.028	2.093	0.059	28.700	0.813
12	305	0.301	0.028	2.107	0.060	26.607	0.754
11	279	0.303	0.028	2.121	0.060	24.500	0.694
10	254	0.304	0.028	2.128	0.060	22.379	0.634
9	229	0.306	0.028	2.142	0.061	20.251	0.574
8	203	0.313	0.029	2.191	0.062	18.109	0.513
7	178	0.321	0.030	2.247	0.064	15.918	0.451
6	152	0.322	0.030	2.254	0.064	13.671	0.387
5	127	0.323	0.030	2.261	0.064	11.417	0.323
4	102	0.324	0.030	2.268	0.064	9.156	0.259
3	76	0.325	0.030	2.275	0.064	6.888	0.195
2	51	0.327	0.030	2.289	0.065	4.613	0.131
1	25	0.332	0.031	2.324	0.066	2.324	0.066
<b>Total</b>		<b>7.459</b>	<b>0.693</b>	<b>52.213</b>	<b>1.479</b>	<b>52.213</b>	<b>1.479</b>

Calculations are based on installed chamber length.

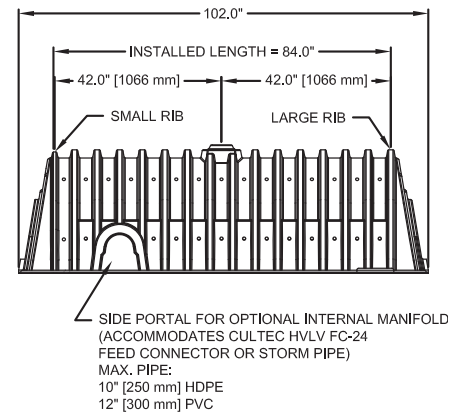
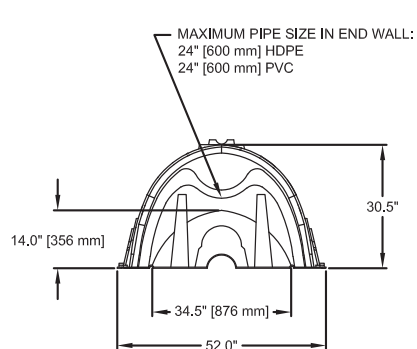
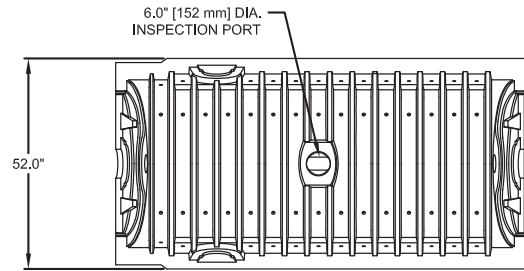
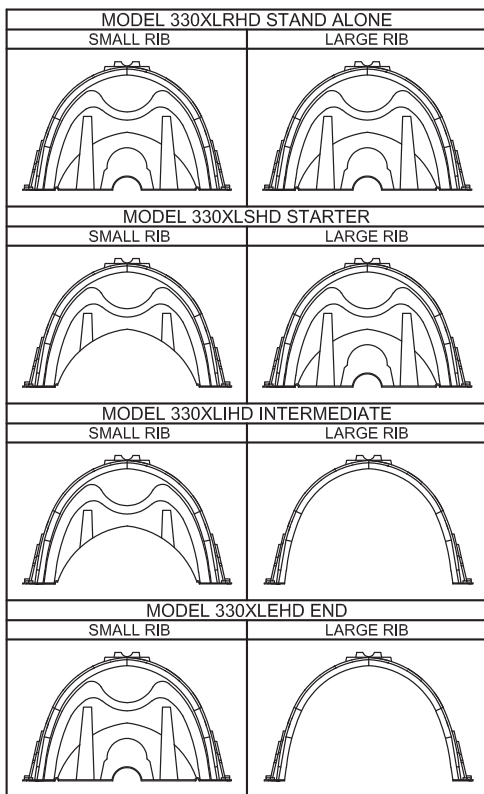
Visit <http://cultec.com/downloads/> for Product Downloads and CAD details.

For more information, contact CULTEC at (203) 775-4416 or visit [www.cultec.com](http://www.cultec.com).



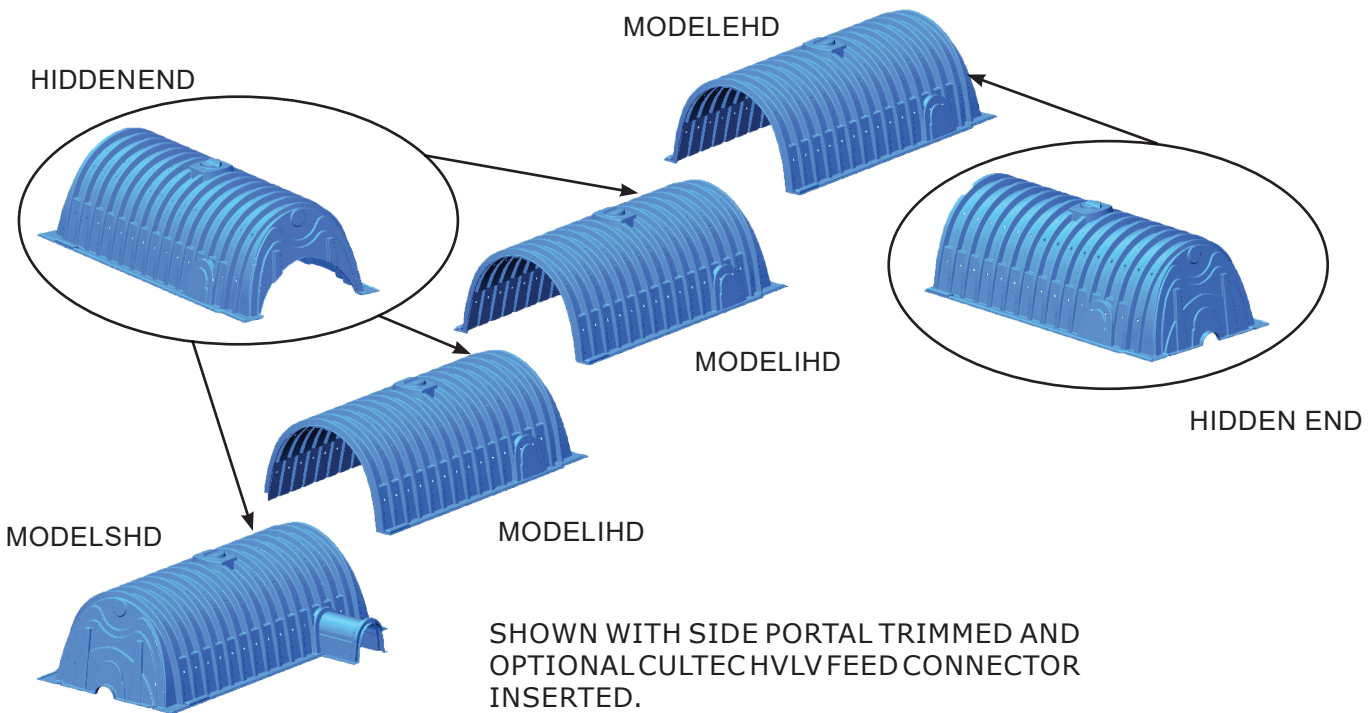
# CULTEC Recharger® 330XLHD Stormwater Chamber

## Three View Drawing



CULTEC RECHARGER 330XLHD CHAMBER STORAGE = 7.459 CF/FT [0.693 m³/m]  
 INSTALLED LENGTH ADJUSTMENT = 1.5" [0.46 m]  
 SIDE PORTAL ACCEPTS CULTEC HVLV FC-24 FEED CONNECTOR

## Typical Interlock Installation

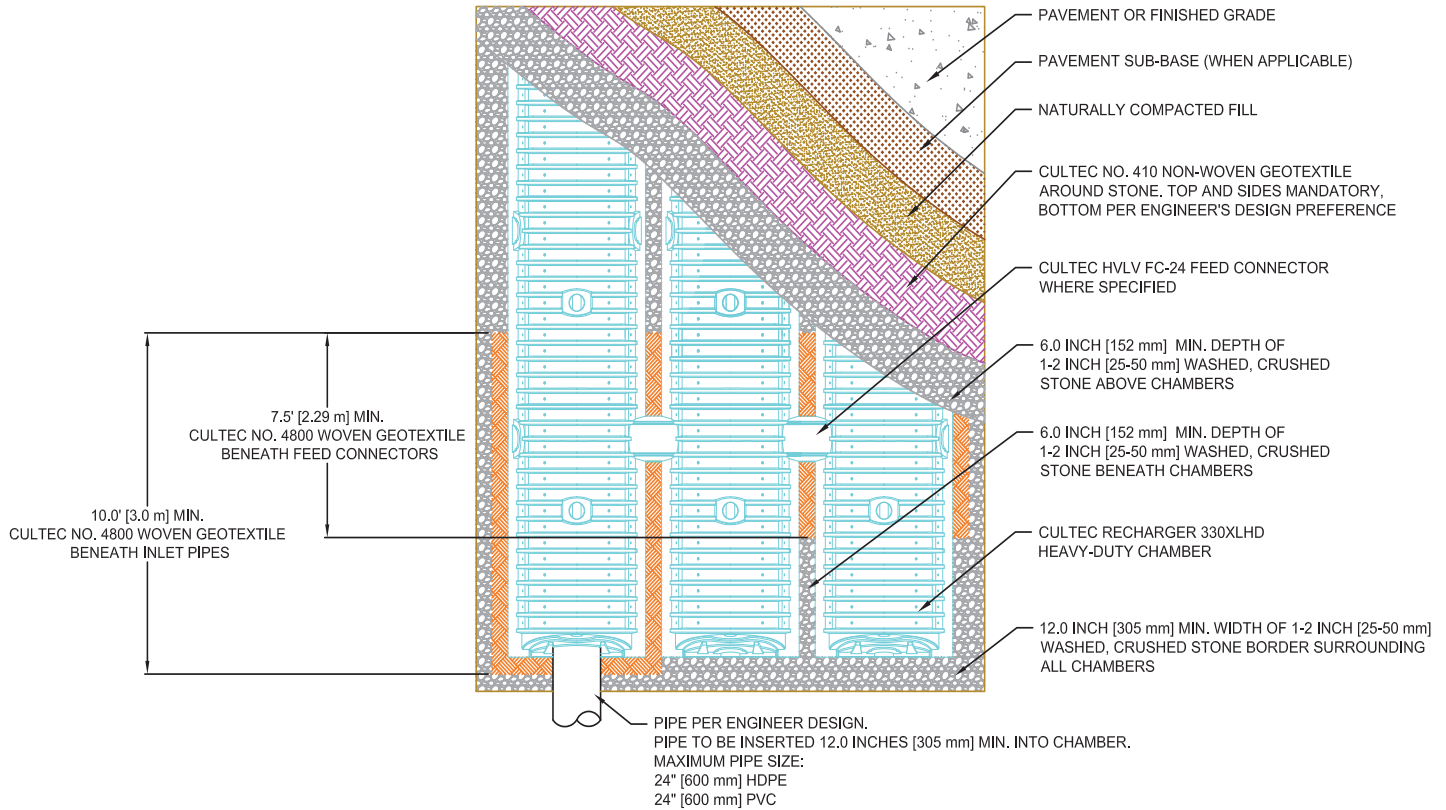


For more information, contact CULTEC at (203) 775-4416 or visit [www.cultec.com](http://www.cultec.com).

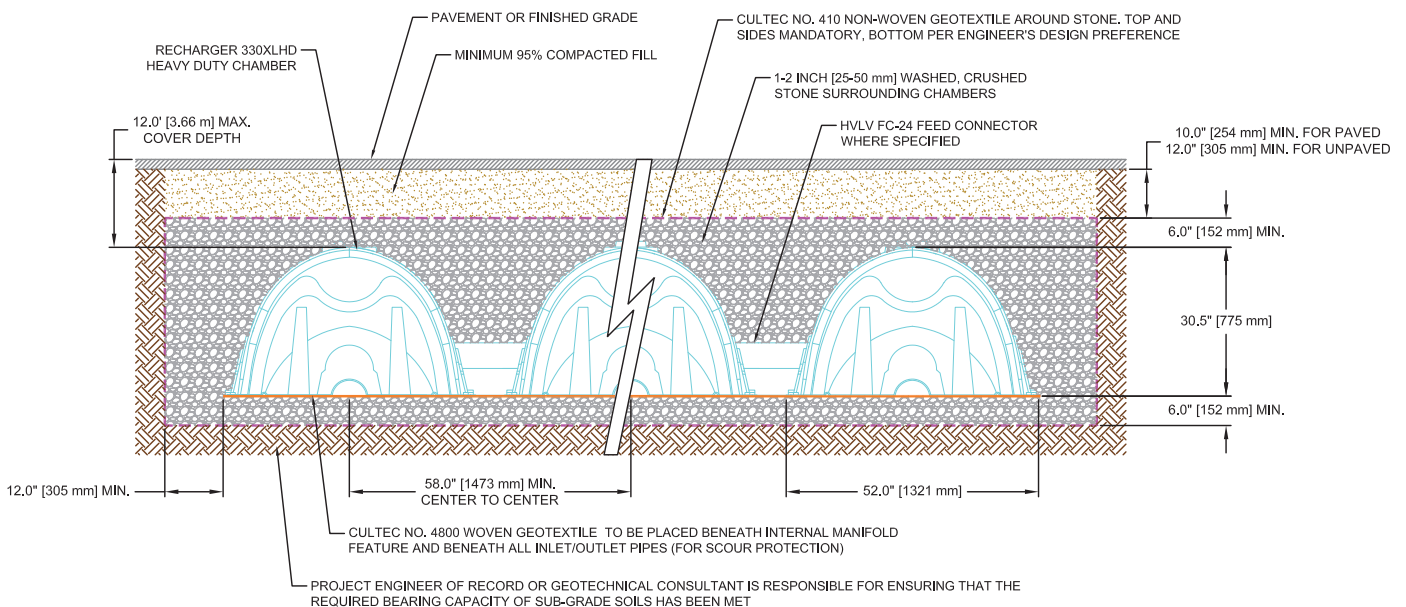


# CULTEC Recharger® 330XLHD Stormwater Chamber

## Plan View Drawing



## Typical Cross Section for Traffic Application



For more information, contact CULTEC at (203) 775-4416 or visit [www.cultec.com](http://www.cultec.com).



## CULTEC Recharger® 330XLHD Specifications

### GENERAL

CULTEC Recharger® 330XLHD chambers are designed for underground stormwater management. The chambers may be used for retention, recharging, detention or controlling the flow of on-site stormwater runoff.

### CHAMBER PARAMETERS

1. The chambers shall be manufactured in the U.S.A. by CULTEC, Inc. of Brookfield, CT (cultec.com, 203-775-4416).
2. The chamber shall be vacuum thermoformed of polyethylene with a black interior and blue exterior.
3. The chamber shall be arched in shape.
4. The chamber shall be open-bottomed.
5. The chamber shall be joined using an interlocking overlapping rib method. Connections must be fully shouldered overlapping ribs, having no separate couplings or separate end walls.
6. The nominal chamber dimensions of the CULTEC Recharger® 330XLHD shall be 30.5 inches (775 mm) tall, 52 inches (1321 mm) wide and 8.5 feet (2.59 m) long. The installed length of a joined Recharger® 330XLHD shall be 7 feet (2.13 m).
7. Maximum inlet opening on the chamber end wall is 24 inches (600 mm) HDPE, PVC.
8. The chamber shall have two side portals to accept CULTEC HVLV® FC-24 Feed Connectors to create an internal manifold. Maximum allowable O.D. in the side portal is 10 inches (250 mm) HDPE and 12 inches (300 mm) PVC.
9. The nominal chamber dimensions of the CULTEC HVLV® FC-24 Feed Connector shall be 12 inches (305 mm) tall, 16 inches (406 mm) wide and 24.2 inches (614 mm) long.
10. The nominal storage volume of the Recharger® 330XLHD chamber shall be 7.459 ft<sup>3</sup> / ft (0.693 m<sup>3</sup> / m) - without stone. The nominal storage volume of a single Recharger® 330XLHD Stand Alone unit shall be 63.40 ft<sup>3</sup> (1.80 m<sup>3</sup>) - without stone. The nominal storage volume of a joined Recharger® 330XLHD Intermediate unit shall be 52.213 ft<sup>3</sup> (1.478 m<sup>3</sup>) - without stone. The nominal storage volume of the length adjustment amount per run shall be 11.19 ft<sup>3</sup> (1.04 m<sup>3</sup>) - without stone.
11. The nominal storage volume of the HVLV® FC-24 Feed Connector shall be 0.913 ft<sup>3</sup> / ft (0.026 m<sup>3</sup> / m) - without stone.
12. The Recharger® 330XLHD chamber shall have fifty-six discharge holes bored into the sidewalls of the unit's core to promote lateral conveyance of water.
13. The Recharger® 330XLHD chamber shall have 16 corrugations.
14. The end wall of the chamber, when present, shall be an integral part of the continuously formed unit. Separate end plates cannot be used with this unit.
15. The Recharger® 330XLHD Stand Alone unit must be formed as a whole chamber having two fully formed integral end walls and having no separate end plates or separate end walls.
16. The Recharger® 330XLHD Starter unit must be formed as a whole chamber having one fully formed integral end wall and one partially formed integral end wall with a lower transfer opening of 14 inches (356 mm) high x 34.5 inches (876 mm) wide.
17. The Recharger® 330XLHD Intermediate unit must be formed as a whole chamber having one fully open end wall and one partially formed integral end wall with a lower transfer opening of 14 inches (356 mm) high x 34.5 inches (876 mm) wide.
18. The Recharger® 330XLHD End unit must be formed as a whole chamber having one fully formed integral end wall and one fully open end wall and having no separate end plates or end walls.
19. The HVLV® FC-24 Feed Connector must be formed as a whole chamber having two open end walls and having no separate end plates or separate end walls. The unit shall fit into the side portals of the Recharger® 330XLHD and act as cross feed connections.
20. Chambers must have horizontal stiffening flex reduction steps between the ribs.
21. The chamber shall have a raised integral cap at the top of the arch in the center of each unit to be used as an optional inspection port or clean-out.
22. The units may be trimmed to custom lengths by cutting back to any corrugation on the large rib end.
23. The chamber shall be manufactured in an ISO 9001:2015 certified facility.
24. The chamber shall be designed and manufactured to meet the material and structural requirements of IAPMO PS 63-2019, including resistance to AASHTO H-10 and H-20 highway live loads, when installed in accordance with CULTEC's installation instructions.
25. The chamber shall be designed and manufactured in accordance with the specifications of NSAI Irish Agreement Board Certificate for Cultec Attenuation and Infiltration.
26. Maximum allowable cover over the top of the chamber shall be 12' (3.66 m).
27. The chamber shall be designed to withstand traffic loads when installed according to CULTEC's recommended installation instructions.





**INLET S-4**

CONTRIBUTING AREA – 4,815 SF (0.11 ACRES)  
Q = CIA = (0.90)(7.2)(0.11) = 0.72 CFS  
FROM S-3 4.29 CFS  
TOTAL 5.01 CFS

PIPE PROVIDED  
18" HDPE @ 0.40% → Q = 6.50 CFS TO S-5  
V = 3.65 FPS

**INLET S-5**

CONTRIBUTING AREA – 0 SF (0.00 ACRES)  
Q = CIA = (0.90)(7.2)(0.00) = 0.00 CFS  
FROM S-4 5.01 CFS  
TOTAL 5.01 CFS

PIPE PROVIDED  
18" HDPE @ 0.40% → Q = 6.50 CFS TO EXFILTRATION SYSTEM  
V = 3.65 FPS

**INLET S-6**

CONTRIBUTING AREA – 10,756 SF (0.25 ACRES)  
Q = CIA = (0.90)(7.2)(0.25) = 1.60 CFS

PIPE PROVIDED  
15" HDPE @ 0.50% → Q = 4.60 CFS TO S-7  
V = 3.60 FPS

**INLET S-7**

CONTRIBUTING AREA – 2,963 SF (0.07 ACRES)  
Q = CIA = (0.90)(7.2)(0.07) = 0.44 CFS  
FROM S-6 1.60 CFS  
TOTAL 2.04 CFS

PIPE PROVIDED  
15" HDPE @ 0.50% → Q = 4.60 CFS TO S-8  
V = 3.60 FPS

**INLET S-8**

CONTRIBUTING AREA – 7,004 SF (0.16 ACRES)  
Q = CIA = (0.90)(7.2)(0.16) = 1.04 CFS  
FROM S-7 2.04 CFS  
TOTAL 3.08 CFS

PIPE PROVIDED  
15" HDPE @ 0.50% → Q = 4.60 CFS TO S-9  
V = 3.60 FPS

**INLET S-9**

CONTRIBUTING AREA – 0 SF (0.00 ACRES)  
Q = CIA = (0.90)(7.2)(0.00) = 0.00 CFS  
FROM S-8 3.08 CFS  
TOTAL 3.08 CFS

PIPE PROVIDED  
15" HDPE @ 0.50% → Q = 4.60 CFS TO EXFILTRATION SYSTEM  
V = 3.60 FPS

**INLET S-10**

CONTRIBUTING AREA – 0 SF (0.00 ACRES)  
Q = 0.92 CFS FROM ICPR MODEL

PIPE PROVIDED  
8" HDPE @ 2.00% → Q = 1.70 CFS TO CITY STORM SYSTEM  
V = 4.75 FPS

# Attachment 4

## Fire Department Access and Water Supply Plan

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## Determination of Needed Fire Flow

In accordance with Chapter 1 of the ISO Guide for Determination of Needed Fire Flow, Note (1): “The NFF for commercial occupancies protected by an automatic fire sprinkler system installed in accordance with the general criteria of NFPA 13, *Standard for Installation of Sprinkler Systems*, is the demand at the base of the automatic sprinkler riser and inside/outside hose stream demand.”

Therefore, the NFF will be determined by the MEP Engineering during building permit review.

# Attachment 5

## Concurrency Impact Analysis

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**CONCURRENCY  
WORKSHEET**

**Trip Generation Analysis**

ITE Code	ITE Use	ADT Multiplier	PM Peak Multiplier	Unit*	Total ADT	Total PM Peak
943	Automobile Parts and Service Center	16.28	2.26	15.68	255.27	35.44

\*Per 1000 SF of GFA

**Potable Water Analysis**

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Service Stations (per water closet)	250.00	7.00	1750.00

\* Multiplier is based upon Ch. 64E.6008, Florida Administrative Code and can vary from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.

**Sanitary Sewer Analysis**

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Service Stations (per water closet)	250.00	7.00	1750.00

\* Multiplier is based upon Ch. 64E.6008, F.A.C. and can vary from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.

**Solid Waste Analysis**

Use	Pounds Per Thousand Sq Ft	Total Floor Area*	Total (Lbs Per Day)
Gasoline/Service Station	5.50	15.68	86.24

\*Per thousand square feet (i.e. 15,680 sq ft / 1,000 = 15.68)



# Attachment 6

## Comprehensive Plan Consistency Analysis

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# Comprehensive Plan Consistency Analysis

## Lake City Buick GMC Service Department Expansion

The subject parcel lies within the FLUM (Future Land Use Map) designation of Commercial and zoning classification of Commercial - Intensive (CI). The applicant is proposing to construct a 15,680 SF service building to support the existing Lake City Buick GMC Dealership. The following analysis outlines the proposed expansions consistency with the Columbia County & City of Lake City Comprehensive Plan:

### Future Land Use Element

**GOAL I, OBJECTIVE I.1, POLICY I.1.6:** *The county's land development regulations shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities within the designated urban development areas of the county. For the purpose of this policy and comprehensive plan, the phrase "other similar uses compatible with" shall mean land uses that can co-exist in relative proximity to other uses in a stable fashion over time such that no other uses within the same land use classification are negatively impacted directly or indirectly by the use.*

- Lands classified as commercial use consist of areas used for the sale, rental and distribution of products, or performance of services, as well as public, charter and private elementary, middle and high schools.

### Project's Consistency with Goal I, Objective I.1, Policy I.1.6:

The proposed Service Department Expansion is in the Commercial Land Use and serves an existing car dealership. The proposed use is compatible with the surrounding uses as a development which supports an existing business. The floor area ratio does not exceed 1.0. The proposed development is adjacent to Commercial and Residential – Medium Density uses and is consistent with the Future Land Use Element of the Columbia County & City of Lake City Comprehensive Plan.

## Transportation Element

**GOAL II, OBJECTIVE II.1, POLICY II.1.1:** *Establish the service standards as noted below at peak hour for the following roadway segments within the County as defined within the most recent version of the Florida Department of Transportation Quality/Level of Service Handbook.*

Segment Number	Segment Description	Lanes	Functional Classification	Area Type	Segment Length (mi)	LOS
32	US 90 (SR 247 to Baya Avenue)	6D	Principal Arterial	Arterial II Transition	1.13	D
33	US 90 (from Colburn Ave to SR 100)	4U	Minor Arterial	Arterial I Transition	1	D

\*Source: Columbia County Comprehensive Plan

### Trip Generation Analysis

ITE Code	ITE Use	ADT Multiplier	PM Peak Multiplier	Unit*	Total ADT	Total PM Peak
943	Automobile Parts and Service Center	16.28	2.26	15.68	255.27	35.44

\*Per 1000 SF of GFA

### Project's Consistency with Goal II, Objective II.1, Policy II.1.1:

Per the FDOT Quality/Level of Service Handbook, the maximum generally acceptable per lane approach volumes are 850 vehicles per hour per lane (vphpl). The existing Average Annual Daily Trips (AADT) on US Highway 90 is 13,700 AADT (FDOT Traffic Online Data). The new service department building is expected to generate 255 AADT. Therefore, the total AADT, when added to the existing traffic is assumed to be 13,977 AADT. The trip distribution is assumed to be 50% in each direction and there are four (4) lanes. The resulting vphpl in a 24-hour period is approximately:

$$(13,977 \text{ AADT}/24\text{-hours})/2\text{-lanes} = 291 \text{ vphpl}$$

The volume anticipated in this segment of US Highway 90 will be less than the acceptable approach volume of 850 vphpl. Therefore, based on the ITE Trip Generation Manual (10<sup>th</sup> Ed.), FDOT Traffic Online, and FDOT Quality/Level of Service Handbook, this project is consistent with the Transportation Element of the Columbia County & City of Lake City Comprehensive Plan.

## **Housing Element – Not Applicable**

## **Sanitary Sewer, Solid Waste, Drainage, Potable Water, and Natural Groundwater Aquifer Recharge Element**

### **SANITARY SEWER FACILITY SUB ELEMENT**

**GOAL IV-2, OBJECTIVE IV.2, POLICY IV.2.1:** *The county's land development regulations shall allow existing septic tanks and package wastewater treatment facilities to remain in service until such time as centralized sanitary sewer service is available.*

**Project's Consistency with Goal IV-2, Objective IV.2, Policy IV.2.3:**

The proposed building will be connected to centralized sanitary sewer.

### **SOLID WASTE SUB ELEMENT**

**GOAL IV-3, OBJECTIVE IV.3, POLICY IV.3.2:** *The county shall schedule, design, operate and maintain solid waste disposal facilities in a manner which minimizes the effects of such facilities on water and air resources.*

**Project's Consistency with Goal IV-3, Objective IV.3, Policy IV.3.2:**

An increase in the amount of solid waste produced by the expansion proposed will not cause an adverse impact in the capacity of the County's solid waste disposal facilities.

### **DRAINAGE FACILITY SUB ELEMENT**

**GOAL IV-4, OBJECTIVE IV.4, POLICY IV.4.1:** *The county hereby establishes the following level of service standards for drainage facilities.*

#### *LEVEL OF SERVICE STANDARD*

*For all projects which fall totally within a stream, or open lake watershed, detention systems must be installed such that the peak rate of post-development runoff will not exceed the peak-rate of pre-development runoff for storm events up through and including either:*

- 1. A design storm with a ten-year, 24-hour rainfall depth with soil conservation service type II distribution falling on average antecedent moisture conditions for projects serving exclusively agricultural, forest, conservation, or recreational uses; or*
- 2. A design storm with 100-year critical duration rainfall depth for projects serving any land use other than agricultural, silvicultural, conservation, or recreational uses.*

*All other stormwater management projects shall be required to adhere to the standards for treatment in accordance with Chapter 40-B4, Florida Administrative Code (Rules of the Suwannee River Water Management District) and the Suwannee River Water Management District Environmental Resource Permitting Applicant's Handbook, as effective on the date of adoption of this comprehensive plan. Stormwater discharge facilities shall be designed so as to not lower the receiving water quality or degrade the receiving water body below the minimum conditions necessary to maintain their classifications as established in Chapter 62-302, Florida Administrative Code.*

*Any development exempt from Chapter 62-25 or 40B-4, as cited above, and which is adjacent to or drains into a surface water, canal, or stream, or which enters a ditch which empties into a sinkhole, shall first allow the runoff to enter a grassed swale designed to percolate 80 percent of the runoff from a three year, one hour design storm within 72 hours after a storm event.*

**Project's Consistency with Goal IV-4, Objective IV.4, Policy IV.4.1:**

The stormwater management facilities were designed and permitted by the Suwannee River Water Management District, Columbia County, City of Lake City and Florida Department of Transportation. The system will consist of exfiltration chambers designed to discharge to FDOT at a rate less than the pre-construction condition. Therefore, this item remains consistent with the Columbia County & City of Lake City Comprehensive Plan.

**POTABLE WATER FACILITY SUB ELEMENT**

**GOAL IV-5, OBJECTIVE IV.5, POLICY IV.5.2:** *The county shall coordinate the extension of, or increase in the capacity of, facilities by scheduling the completion of public facility improvements and require that they are concurrent with projected demand.*

**Project's Consistency with Goal IV-3, Objective IV.3, Policy IV.3.2:**

This project will be connected to centralized public water supply.

**NATURAL GROUNDWATER AQUIFER RECHARGE SUB ELEMENT**

**GOAL IV-6:** *ENSURE THE PROTECTION OF SURFACE AND GROUNDWATER QUALITY AND QUANTITY BY ESTABLISHING PLANS AND PROGRAMS TO PROMOTE ORDERLY USE AND DEVELOPING LAND IN A MANNER WHICH WILL PROMOTE SUCH PROTECTION AND AVAILABILITY.*

**Project's Consistency with Goal IV-6:**

This project was designed in strict accordance with the Suwannee River Water Management District regulations. All environmentally sensitive issues were closely vetted to assure no adverse impacts to the Floridian Aquifer. The stormwater management facilities were designed to attenuate the required water quality treatment volume prior to discharge.

**Conservation Element – Not Applicable**

**Recreation and Open Space – Not Applicable**

**Intergovernmental Coordination Element – Not Applicable**

**Capital Improvements Element – Not applicable**

**Public School Facilities Element – Not Applicable**

# Attachment 7

## Legal Description

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# LEGAL DESCRIPTION

PARCEL ID No.'s:

00-00-00-13266-000  
00-00-00-13267-000  
00-00-00-13268-000  
00-00-00-13271-000  
00-00-00-13272-000  
00-00-00-13275-000  
00-00-00-13275-003  
00-00-00-13269-000  
00-00-00-13270-000  
00-00-00-13273-001  
00-00-00-13273-000  
00-00-00-13279-000

BLOCKS 265 AND 266 OF THE EASTERN DIVISION OF THE CITY OF LAKE CITY.

AND ALSO: LOT(S) 1, 2, 3 AND 6 OF R.G. CORNWALL SUBDIVISION, A SUBDIVISION RECORDED IN PLAT BOOK A, PAGE 14, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, SAID SUBDIVISION BEING IN THE EASTERN DIVISION OF THE CITY OF LAKE CITY, FLORIDA.

LESS THE EAST 10.50 FEET OF SAID LOT 6, RG CORNWALL, A SUBDIVISION RECORDED IN PLAT BOOK A, PAGE 14, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, SUBDIVISION.



# Attachment 8

Deed

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*Katrina*

**TAX DEED**

**State of Florida**

**County of Columbia**

Cert. No. 2312 of 2000

Parcel No. 13275-003

The following Tax Certificate numbered 2312 issued on May 31, 2000 was filed in the office of the Tax Collector of this County and application made for the issuance of a Tax Deed, the applicant having paid or redeemed all other taxes or tax certificates on the land described as required by law to be paid or redeemed, and the costs and expenses of this sale, and due notice of sale having been published as required by law, and no person entitled to do so having appeared to redeem said land; such land was on the 22<sup>nd</sup> day of October, 2007, offered for sale as required by law for cash to the highest bidder and was sold to **Norbie J. Ronsonet**, a married man whose address is P.O. Box 1446, Lake City, FL 32056, being the highest bidder and having paid the sum of his/her bid as required by the Laws of Florida.

*NOW*, on this 23<sup>rd</sup> day of October, 2007, in the County of Columbia, State of Florida, in consideration of the sum of (\$7,300.00) **seven thousand three hundred dollars and zero cents**, being the amount paid pursuant to the Laws of Florida, does hereby sell the following lands situated in the County and State aforesaid and described as follows:

**SEC 00 TWN 00 RNG 00 PARCEL NUMBER 13275-003  
E DIV: LOT 3 R G CORNWALL S/D. ORB 471-588, 623-377**

*P. DeWitt Cason*  
Clerk of the Circuit Court  
Columbia County, Florida

Witness:  
*Katrina Veitch*

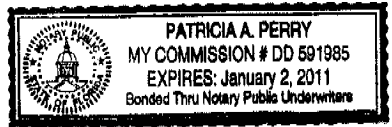
*Sharon Seagle*

State of Florida  
County of Columbia

Inst: 200712023766 Date: 10/23/2007 Time: 4:44 PM  
Doc Stamp-Deed: 51.10  
P. DeWitt Cason, Columbia County Page 1 of 3

On this 23<sup>rd</sup> day of October, 2007, before me personally appeared P. DeWitt Cason, Clerk of Circuit Court in and for Columbia County Florida, known to me to be the person described in, and who executed the foregoing instrument, and acknowledged the execution of this instrument to be his own free act and deed for the use and purposes therein mentioned. Witness my hand and official seal date aforesaid.

*Patricia A. Perry*  
NOTARY PUBLIC



# THE LAKE CITY REPORTER

Lake City, Columbia County, Florida

STATE OF FLORIDA,  
COUNTY OF COLUMBIA,

Before the undersigned authority personally appeared Michael Leonard who on oath says that he is Publisher of the Lake City Reporter, a newspaper published at Lake City, Columbia County, Florida; that the attached copy of advertisement, being a

.....  
in the matter of *Legal Notice of Application for Tax Deed*

.....  
in the ..... Court, was published  
in said news paper in the issues of *September 19, 26, 2007*

**RECEIVED**

**OCT. 2 2 2007**

**P DeWitt Cason  
Clerk of Courts**

Affiant further says that The Lake City Reporter is a newspaper published at Lake City in said Columbia County, Florida, and that the said newspaper has heretofore been continuously published in said Columbia County, Florida, and has been entered as second class mail matter at the post office in Lake City, in said Columbia County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me this *10* day of *October*

A.D., 20 *07*  
KATHLEEN A. RIOTTO  
MY COMMISSION # DD 577782  
EXPIRES: August 20, 2010  
Bonded Thru Budget Notary Services



*Michael Leonard*  
*Kathleen Riotta*

Notary Public

## NOTICE OF APPLICATION FOR TAX DEED

Sec. 197.241 F.S.

Notice is hereby given that the Brian or Camen Hogan of the following certificate has filed said certificate for a Tax Deed to be issued thereon. The certificate number and year of issuance, the description of the property, and name in which it was assessed is as follows:

Certificate Number: 2312

Year of issuance: 2000

Description of Property: SEC 00 TWN 00 RNG 00, PARCEL NUMBER 13275-003, E DIV: LOT 3 R G CORN-WALL S/D. ORB 471-588, 623-377

Name in which assessed: EMMET & ADDIE MAE THORPE, M.T. & DONNA SWIFT

All of said property being in the County of Columbia, State of Florida. Unless said certificate shall be redeemed according to law, the property described in such certificate will be sold to the highest bidder at the Courthouse on Monday the 22nd day of October, 2007, at 11:00 A.M.

**P. DEWITT CASON  
CLERK OF COURTS**

NOTICE TO PERSONS WITH DISABILITIES: IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS ANY ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS PROCEEDING, YOU ARE ENTITLED TO, AT NO COST TO YOU, THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT Katrina Vercher AT ROOM 214, COLUMBIA COUNTY COURTHOUSE, PO BOX 2069, LAKE CITY, FL 32056; (386) 719-7580. SUNCOM 839-7580, WITHIN 2 WORKING DAYS OF YOUR RECEIPT OF THIS NOTICE. IF YOU ARE HEARING OR VOICE IMPAIRED, PLEASE CALL (386) 758-2139.

04518820  
September 19, 26, 2007  
October 3, 10, 2007

07-32 TD

**CERTIFICATE OF CLERK**

I HEREBY CERTIFY that copies of the Notice of Application for Tax Deed filed by **Brian or Carmen Hogan** regarding Tax Certificate number 2360, issued May 31, 2000, said sale scheduled for October 22, 2007, have been mailed via U.S. Mail on September 21, 2007 to the following persons:

Brian or Carmen Hogan  
1069 Koko Uka Place  
Honolulu, HI 96825

M.T. Swift  
396 SW Douberly Ct.  
Lake City, FL 32024

Donna Swift  
396 SW Douberly Ct.  
Lake City, FL 32024

Internal Revenue Service  
P.O. Box 145595  
Stop 8420G  
Cincinnati, OH 45250-5595

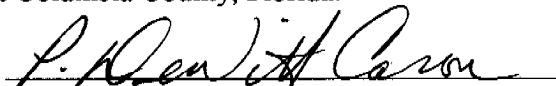
Alvin Poynter  
580 SE Nassau St.  
Lake City, FL 32055

Jimmy & Audrea Salazar  
164 SW Gulliver Crt.  
High Springs, FL 32643

Norbie Ronsonet  
P.O. Box 1446  
Lake City, FL 32056

Dated this 21<sup>st</sup> day of September, 2007, at Columbia County, Florida.

(Seal)

  
P. DEWITT CASON  
CLERK OF COURT

This Instrument Prepared by & return to:  
Name: **KIM WATSON, an employee of  
TITLE OFFICES, LLC**  
Address: **1089 SW MAIN BLVD.  
LAKE CITY, FLORIDA 32025  
06Y-11056BBS**

Parcel I.D. #: **13269-000**  
Property Appraiser's  
Parcel Identification Number(s): **13269-000**

Inst:2006028834 Date:12/06/2006 Time:16:02  
Doc Stamp-Deed : 420.00  
*J. P.* DC, P. Dewitt Cason, Columbia County B:1104 P:515

SPACE ABOVE THIS LINE FOR PROCESSING DATA

## WARRANTY DEED

**THIS WARRANTY DEED** Made the 30th day of November, A.D. 2006, by

**NORMA JEAN DICKS, individually and as Trustee(s) of the NORMA JEAN DICKS LIVING TRUST,  
DATED JUNE 9, 1993, hereinafter called the grantor, to NORBIE RONSONET, SR., A MARRIED  
PERSON, whose post office address is P.O. BOX 1446, LAKE CITY, FL 32056, hereinafter called the  
grantee:**

*(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument,  
singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and  
assigns of corporations, wherever the context so admits or requires.)*

**Witnesseth:** That the grantor, for and in consideration of the sum of \$10.00 and other valuable  
consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise,  
release, convey and confirm unto the grantee all that certain land situate in **Columbia County, State of  
Florida**, viz:

SW ¼ OF LOT OR BLOCK 265 IN THE EASTERN DIVISION OF THE CITY OF LAKE  
CITY AND BOUNDED ON THE NORTH AND EAST BY PORTIONS OF SAID BLOCK  
AND ON THE SOUTH BY ST. JOHNS STREET AND ON THE WEST BY CHURCH  
STREET (NOW EAST STREET). LESS AND EXCEPT THAT PART DEEDED TO THE  
STATE OF FLORIDA IN OFFICIAL RECORDS BOOK 151, PAGE 28, OF THE PUBLIC  
RECORDS OF COLUMBIA COUNTY, FLORIDA.

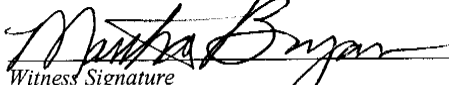
**Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise  
appertaining.**


**To Have and to Hold** the same in fee simple forever.


**And** the grantor hereby covenants with said grantee that she is lawfully seized of said land in fee  
simple; that she has good right and lawful authority to sell and convey said land, and hereby fully warrants  
the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that  
said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2006.

**In Witness Whereof**, the said grantor has signed and sealed these presents, the day and year first  
above written.

Signed, sealed and delivered in the presence of:

  
Witness Signature  
Martha Bryan

 L.S.  
**NORMA JEAN DICKS** individually and as  
Trustee  
Address:  
**651 SE ROY DICKS GLEN, LAKE CITY, FL  
32025**


Printed Name  
  
Witness Signature  
Regina Simpkins

Printed Name

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this **30th** day of **November, 2006**, by **NORMA JEAN DICKS** individually and as Trustee(s), who is known to me or who has produced Dr. Lucene as identification.

Martha Bryan  
Notary Public  
My commission expires \_\_\_\_\_

 Martha Bryan  
MY COMMISSION # DD232534 EXPIRES  
August 10, 2007  
STATE FIDELITY FARM INSURANCE, INC.

Inst:2006028834 Date:12/06/2006 Time:16:02  
Doc Stamp-Deed : 420.00  
\_\_\_\_\_DC,P.DeWitt Cason,Columbia County B:1104 P:516

Return to (enclose self-addressed stamped envelope)

Documentary Stamp: \$ 8400  
Intangible Tax: 8400  
P. DeWitt Cason  
Clerk of Court  
By: [Signature] D.C.

FILED AND RECORDED IN PUBLIC  
RECORDS OF COLUMBIA COUNTY, FL

NOV 22 PM 2:29

RECORD VERIFIED

[Signature]

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
This Instrument Prepared by: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: EX 0892 PO 0340  
Property Appraiser's Parcel Identification Number: \_\_\_\_\_  
Folio Number(s): \_\_\_\_\_  
Grant(s) S.S. # (s): \_\_\_\_\_

OFFICIAL RECORDS

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

This Warranty Deed, Made the 22nd day of November, 1999, by  
Alva Dean Pritchard and H.L. Christie, Sr. as Heirs of the Estate  
of Marvin C. Christie, Deceased  
herein after called the Grantor, to Norbie J. Rensonet  
whose post office address is P.O. Box 1446, Lake City Florida 32056  
hereinafter called the Grantee.

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives,  
and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth, That the Grantor, for and in consideration of the sum of \$ 12,000.00 and other  
valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises,  
releases, conveys and confirms unto the Grantee all that certain land, situate in Columbia  
County, State of Florida, viz:

PARCEL 1:

Southeast one-quarter (SE 1/4) of Block266, Eastern Division  
City of Lake City, Columbia County, Florida.

PARCEL 2:

Southwest one-quarter (SW 1/4) of Block266, Eastern Division,  
City of Lake City, Columbia County, Florida.

Together, with all the tenements, hereditaments and appurtenances thereto belonging or in anywise  
appertaining. To Have and to Hold, the same in fee simple forever.

And the Grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee  
simple; that the grantor has good right and lawful authority to sell and convey said land, and hereby warrants  
the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said  
land is free of all encumbrances, except taxes accruing subsequent to December 31, 19 98

In Witness Whereof, the said Grantor has signed and sealed these presents the day and year first above  
written.

Signed, sealed and delivered in the presence of:

[Signature] \_\_\_\_\_  
Witness Signature (as to first Grantor)

Mary Janice Harrell  
Printed Name

[Signature] \_\_\_\_\_  
Witness Signature (as to first Grantor)

Eileen B. Callaway  
Printed Name

[Signature] \_\_\_\_\_  
Witness Signature (as to Co-Grantor, if any)

Mary Janice Harrell  
Printed Name

[Signature] \_\_\_\_\_  
Witness Signature (as to Co-Grantor, if any)

Eileen B. Callaway  
Printed Name

[Signature] \_\_\_\_\_ I.S.  
Grantor Signature

Alva Dean Pritchard  
Printed Name

5671 Graywood Rd.,  
Post Office Address Jacksonville, Florida 32207

[Signature] \_\_\_\_\_ I.S.  
Co-Grantor Signature, (if any)

H.L. Christie, Sr.  
Printed Name

1112 E. Dade St.  
Post Office Address Lake City, Florida 32056

STATE OF Florida )  
COUNTY OF Columbia )

Alva Dean Pritchard H.L. Christie, Sr.  
I hereby Certify that on this day, before me, an officer duly authorized  
to administer oaths and take acknowledgments, personally appeared

known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that  
executed the same, and an oath was not taken. (Check one)  Said person(s) is/are personally known to me.  Said person(s) provided the  
following type of identification: \_\_\_\_\_

NOTARY PUBLIC  
CATHERINE M. NORRIS  
Notary Public, State of Florida  
My Comm. expires Jan. 21, 2000  
Comm. No. CC 525887

Witness my hand and official seal in the County and State last aforesaid  
this 22nd day of November, A.D. 1999  
[Signature] \_\_\_\_\_  
Notary Signature  
Catherine M. Norris  
Printed Name

Return to (enclose self-addressed stamped envelope)

Documentary Stamp: \$ 8400  
Intangible Tax: 8400  
P. DeWitt Cason  
Clerk of Court  
By: [Signature] D.C.

FILED AND RECORDED IN PUBLIC  
RECORDS OF COLUMBIA COUNTY, FL

NOV 22 PM 2:29

RECORD VERIFIED

[Signature]

Name:  
Address:  
This Instrument Prepared by:  
Name:  
Address: EX 0892 PG0340  
Property Appraiser's Parcel Identification:  
Folio Number(s):  
Grant(s) S.S. #:

OFFICIAL RECORDS

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

This Warranty Deed, Made the 22nd day of November, 1999, by  
Alva Dean Pritchard and H.L. Christie, Sr. as Heirs of the Estate  
of Marvin C. Christie, Deceased  
herein after called the Grantor, to Norbie J. Rensonet  
whose post office address is P.O. Box 1446, Lake City Florida 32056  
hereinafter called the Grantee.

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives,  
and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth, That the Grantor, for and in consideration of the sum of \$ 12,000.00 and other  
valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises,  
releases, conveys and confirms unto the Grantee all that certain land, situate in Columbia  
County, State of Florida, viz:

PARCEL 1:

Southeast one-quarter (SE 1/4) of Block266, Eastern Division  
City of Lake City, Columbia County, Florida.

PARCEL 2:

Southwest one-quarter (SW 1/4) of Block266, Eastern Division,  
City of Lake City, Columbia County, Florida.

Together, with all the tenements, hereditaments and appurtenances thereto belonging or in anywise  
appertaining. To Have and to Hold, the same in fee simple forever.

And the Grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee  
simple; that the grantor has good right and lawful authority to sell and convey said land, and hereby warrants  
the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said  
land is free of all encumbrances, except taxes accruing subsequent to December 31, 19 98

In Witness Whereof, the said Grantor has signed and sealed these presents the day and year first above  
written.

Signed, sealed and delivered in the presence of:

[Signature] Mary Jane Harrell  
Witness Signature (as to first Grantor)

Mary Janice Harrell  
Printed Name

[Signature] Edwin B. Callaway  
Witness Signature (as to first Grantor)

Edwin B. Callaway  
Printed Name

[Signature] Mary Jane Harrell  
Witness Signature (as to Co-Grantor, if any)

Mary Janice Harrell  
Printed Name

[Signature] Edwin B. Callaway  
Witness Signature (as to Co-Grantor, if any)

Edwin B. Callaway  
Printed Name

STATE OF Florida )  
COUNTY OF Columbia )

Alva Dean Pritchard H.L. Christie, Sr.  
I hereby Certify that on this day, before me, an officer duly authorized  
to administer oaths and take acknowledgments, personally appeared

known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that  
executed the same, and an oath was not taken. (Check one)  Said person(s) is/are personally known to me.  Said person(s) provided the  
following type of identification:

[Signature] Alva Dean Pritchard  
Grantor Signature

Alva Dean Pritchard  
Printed Name

5671 Graywood Rd.,  
Post Office Address Jacksonville, Florida 32207

[Signature] H.L. Christie, Sr.  
Co-Grantor Signature, (if any)

H.L. Christie, Sr.  
Printed Name

1112 E. Dade St.  
Post Office Address Lake City, Florida 32056



NOTARY PUBLIC  
CATHERINE M. NORRIS  
Notary Public, State of Florida  
My Comm. expires Jan. 21, 2000  
Comm. No. CC 525887

Witness my hand and official seal in the County and State last aforesaid

this 22nd day of November, A.D. 1999

[Signature] Catherine M. Norris  
Notary Signature

Catherine M. Norris  
Printed Name



executive line

# This Indenture,

(The words "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates.)

92-03181

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA  
1992 MAR 10 PM 3 04

Made this 9th day of MARCH  
RENE ORLANDO RAMOS, whose address is 103 EAST STREET LAKE CITY, FL 32055

of the County of COLUMBIA, State of FLORIDA, grantor, and  
NORBIE J. RONSONET AND HIS WIFE, MARTHA ANN RONSONET (SS#: 428-60-6123)  
P. O. BOX 1446  
whose post-office address is LAKE CITY, FLORIDA 32056  
of the County of COLUMBIA, State of FLORIDA, grantee.

Witnesseth: That said grantor, for and in consideration of the sum of Ten (\$10.00) Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs, successors and assigns forever, the following described land, situate, lying and being in COLUMBIA County, Florida, to-wit:

Begin at the Northwest Corner of the NW 1/4 of Block 265 in the EASTERN DIVISION of the City of Lake City, Florida, for a POINT OF BEGINNING and run East along the South side of East Nassau Street 105 feet; thence South 90 feet; thence West 105 feet; thence North 90 feet to the said POINT OF BEGINNING. Said lot herein described being a strip of land 105 feet East and West by 90 feet North and South. LESS AND EXCEPT THAT PORTION OF THE ABOVE DESCRIBED PROPERTY PREVIOUSLY DEEDED TO THE STATE ROAD DEPARTMENT FOR ROAD RIGHT-OF-WAY, by Deed dated May 23, 1963, and recorded July 5, 1963 in OR BOOK 148, Pages 525-526, public records, Columbia County, Florida.

Subject to easements and restrictions of record, if any, which are specifically not extended or reimposed hereby. Subject to 1992 taxes and assessments.

This Instrument Prepared by: Harlan E. Markham, An Officer of ASSOCIATED LAND TITLE GROUP, INC., 300 N. MARION STREET, LAKE CITY, FLORIDA 32055, For Purposes of Title Ins. File # 170-30429 Parcel ID #00-00-00-13266-000

DOCUMENTARY STAMP 90.00  
INTANGIBLE TAX 0  
P. DEWITT CASON, CLERK OF COURTS, COLUMBIA COUNTY  
BY Harlan E. Markham, D.C.

BK 0757 PG 1278

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

OFFICIAL RECORDS

In Witness Whereof, Grantor has hereunto set grantor's hand and seal the day and year first above written.  
Signed, sealed and delivered in our presence:

Carol H. Wright (Seal)  
Harlan E. Markham (Seal)  
RENE ORLANDO RAMOS (Seal)

STATE OF FLORIDA  
COUNTY OF COLUMBIA  
I HEREBY CERTIFY that on this day before me, an officer duly qualified to take acknowledgments, personally appeared RENE ORLANDO RAMOS

to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged before me the execution of same.  
WITNESS my hand and official seal in the County and State last aforesaid this 9th day of MARCH, 1992.  
Driver's License shown as identification; no oath taken.

Notary Public Carol H. Wright  
My commission NOTARY PUBLIC STATE OF FLORIDA  
EXPIRES APR. 9, 1996  
BONDED THROUGH GENERAL INS. CO.

RETURN TO:  
Associated Land Title Group, Inc.  
300 N. Marion Street, P.O. Box 477  
Lake City, Florida 32055

# Attachment 9

## Agent Authorization Form

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## **APPLICANT INFORMATION**

An Agent Affidavit is not required.

Owner, Norbie Ronsonet, is the applicant for this proposed development.

# Attachment 10

Proof of Payment of Taxes

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# Columbia County Tax Collector

generated on 11/15/2021 3:04:54 PM EST

## Tax Record

Last Update: 11/15/2021 3:01:41 PM EST

Register for eBill

### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13266-000	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE J RONSONET MARTHA ANN P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b> 157 MCCRAY LAKE CITY  <b>GEO Number</b> 000000-13266-000			
<b>Exempt Amount</b>	<b>Taxable Value</b>				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<b><u>Legal Description (click for full description)</u></b>					
00-00-00 0100/0100.20 Acres E DIV: NW1/4 BLOCK 265 EX RD R/W DESC IN ORB 148-525. 743-1180, 757-1278,					
<b>Ad Valorem Taxes</b>					
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Value</b>	<b>Exemption Amount</b>	<b>Taxable Value</b>	<b>Taxes Levied</b>
BOARD OF COUNTY COMMISSIONERS	7.8150	30,412	0	\$30,412	\$237.67
CITY OF LAKE CITY	4.9000	30,412	0	\$30,412	\$149.02
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	31,572	0	\$31,572	\$23.61
LOCAL	3.6430	31,572	0	\$31,572	\$115.02
CAPITAL OUTLAY	1.5000	31,572	0	\$31,572	\$47.36
SUWANNEE RIVER WATER MGT DIST	0.3615	30,412	0	\$30,412	\$10.99
LAKE SHORE HOSPITAL AUTHORITY	0.0000	30,412	0	\$30,412	\$0.00
<b>Total Millage</b>		18.9675	<b>Total Taxes</b>		\$583.67
<b>Non-Ad Valorem Assessments</b>					
<b>Code</b>	<b>Levying Authority</b>				<b>Amount</b>
XLCF	CITY FIRE ASSESSMENT				\$252.02
<b>Total Assessments</b>					\$252.02
Taxes & Assessments					\$835.69
<b>If Paid By</b>				<b>Amount Due</b>	
11/30/2021				\$802.26	
12/31/2021				\$810.62	
1/31/2022				\$818.98	
2/28/2022				\$827.33	

3/31/2022

\$835.69

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

[Click Here To Pay Now](#)

# Columbia County Tax Collector

generated on 11/15/2021 4:02:31 PM EST

## Tax Record

Last Update: 11/15/2021 3:59:17 PM EST

[Register for eBill](#)

### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13267-000	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE J P O BX 1446 LAKE CITY FL 32056		<b>Property Address</b> 508 NASSAU LAKE CITY  <b>GEO Number</b> 000000-13267-000			
Exempt Amount	Taxable Value				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<b>Legal Description (click for full description)</b> 00-00-00 0000/0000.11 Acres E DIV: E1/2 OF NE 1/4. (BLOCK 265) DC 777-1339, PB 926-1536, 928-546, 1004-226 THRU 245,					
Ad Valorem Taxes					
Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	7.8150	3,562	0	\$3,562	\$27.84
CITY OF LAKE CITY	4.9000	3,562	0	\$3,562	\$17.45
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	3,562	0	\$3,562	\$2.67
LOCAL	3.6430	3,562	0	\$3,562	\$12.98
CAPITAL OUTLAY	1.5000	3,562	0	\$3,562	\$5.34
SUWANNEE RIVER WATER MGT DIST	0.3615	3,562	0	\$3,562	\$1.29
LAKE SHORE HOSPITAL AUTHORITY	0.0000	3,562	0	\$3,562	\$0.00
<b>Total Millage</b>		18.9675	<b>Total Taxes</b>		\$67.57
Non-Ad Valorem Assessments					
Code	Levying Authority	Amount			
XLCF	CITY FIRE ASSESSMENT	\$50.40			
<b>Total Assessments</b>		\$50.40			
Taxes & Assessments		\$117.97			
If Paid By		Amount Due			
11/30/2021		\$113.25			
12/31/2021		\$114.43			
1/31/2022		\$115.61			
2/28/2022		\$116.79			

3/31/2022

\$117.97

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

[Click Here To Pay Now](#)



# Columbia County Tax Collector

generated on 11/15/2021 4:01:51 PM EST

## Tax Record

Last Update: 11/15/2021 3:58:38 PM EST

[Register for eBill](#)

### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13268-000	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b> 500 NASSAU LAKE CITY  <b>GEO Number</b> 000000-13268-000			
<b>Exempt Amount</b>	<b>Taxable Value</b>				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<u>Legal Description (click for full description)</u>					
00-00-00 0000/0000.11 Acres E DIV: W1/2 OF NE1/4 BLOCK 265. 357-507, WD 884-93,					
<b>Ad Valorem Taxes</b>					
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Value</b>	<b>Exemption Amount</b>	<b>Taxable Value</b>	<b>Taxes Levied</b>
BOARD OF COUNTY COMMISSIONERS	7.8150	3,562	0	\$3,562	\$27.84
CITY OF LAKE CITY	4.9000	3,562	0	\$3,562	\$17.45
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	3,562	0	\$3,562	\$2.67
LOCAL	3.6430	3,562	0	\$3,562	\$12.98
CAPITAL OUTLAY	1.5000	3,562	0	\$3,562	\$5.34
SUWANNEE RIVER WATER MGT DIST	0.3615	3,562	0	\$3,562	\$1.29
LAKE SHORE HOSPITAL AUTHORITY	0.0000	3,562	0	\$3,562	\$0.00
<b>Total Millage</b>		18.9675	<b>Total Taxes</b>		\$67.57
<b>Non-Ad Valorem Assessments</b>					
<b>Code</b>	<b>Levying Authority</b>				<b>Amount</b>
XLCF	CITY FIRE ASSESSMENT				\$50.40
<b>Total Assessments</b>					\$50.40
<b>Taxes &amp; Assessments</b>					\$117.97
<b>If Paid By</b>				<b>Amount Due</b>	
11/30/2021				\$113.25	
12/31/2021				\$114.43	
1/31/2022				\$115.61	
2/28/2022				\$116.79	

3/31/2022

\$117.97

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

[Click Here To Pay Now](#)

# Columbia County Tax Collector

generated on 11/15/2021 4:06:11 PM EST

## Tax Record

Last Update: 11/15/2021 4:02:58 PM EST

[Register for eBill](#)

### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13269-000	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE SR P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b> 179 MCCRAY LAKE CITY  <b>GEO Number</b> 000000-13269-000			
<b>Exempt Amount</b>	<b>Taxable Value</b>				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<u>Legal Description (click for full description)</u> 00-00-00 0100/0100.20 Acres E DIV: SW1/4 EX RD BLOCK 265. 471-587, 674-032, 674-33, 712-758, 723-304, 766-1838, 774-1430, 776-008, WD 1104-515,					
<b>Ad Valorem Taxes</b>					
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Value</b>	<b>Exemption Amount</b>	<b>Taxable Value</b>	<b>Taxes Levied</b>
BOARD OF COUNTY COMMISSIONERS	7.8150	42,059	0	\$42,059	\$328.69
CITY OF LAKE CITY	4.9000	42,059	0	\$42,059	\$206.09
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	42,059	0	\$42,059	\$31.46
LOCAL	3.6430	42,059	0	\$42,059	\$153.22
CAPITAL OUTLAY	1.5000	42,059	0	\$42,059	\$63.09
SUWANNEE RIVER WATER MGT DIST	0.3615	42,059	0	\$42,059	\$15.20
LAKE SHORE HOSPITAL AUTHORITY	0.0000	42,059	0	\$42,059	\$0.00
<b>Total Millage</b>		18.9675	<b>Total Taxes</b>		\$797.75
<b>Non-Ad Valorem Assessments</b>					
<b>Code</b>	<b>Levying Authority</b>				<b>Amount</b>
XLCF	CITY FIRE ASSESSMENT				\$252.02
<b>Total Assessments</b>					\$252.02
<b>Taxes &amp; Assessments</b>					\$1,049.77
<b>If Paid By</b>				<b>Amount Due</b>	
11/30/2021				\$1,007.78	
12/31/2021				\$1,018.28	
1/31/2022				\$1,028.77	
2/28/2022				\$1,039.27	

3/31/2022

\$1,049.77

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

[Click Here To Pay Now](#)

# Columbia County Tax Collector

generated on 11/15/2021 4:06:39 PM EST

## Tax Record

Last Update: 11/15/2021 4:03:26 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13270-000	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE J RONSONET MARTHA ANN PO BOX 1446 LAKE CITY FL 32056		<b>Property Address</b>  <b>GEO Number</b> 000000-13270-000			
<b>Exempt Amount</b>	<b>Taxable Value</b>				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<u>Legal Description (click for full description)</u>					
00-00-00 0000/0000.20 Acres E DIV: SE1/4 BLOCK 265. 472-253,					
Ad Valorem Taxes					
Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	7.8150	4,489	0	\$4,489	\$35.08
CITY OF LAKE CITY	4.9000	4,489	0	\$4,489	\$22.00
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	4,489	0	\$4,489	\$3.36
LOCAL	3.6430	4,489	0	\$4,489	\$16.35
CAPITAL OUTLAY	1.5000	4,489	0	\$4,489	\$6.73
SUWANNEE RIVER WATER MGT DIST	0.3615	4,489	0	\$4,489	\$1.62
LAKE SHORE HOSPITAL AUTHORITY	0.0000	4,489	0	\$4,489	\$0.00
<b>Total Millage</b>	18.9675	<b>Total Taxes</b>		\$85.14	
Non-Ad Valorem Assessments					
Code	Levying Authority	Amount			
XLCF	CITY FIRE ASSESSMENT	\$50.40			
<b>Total Assessments</b>				\$50.40	
<b>Taxes &amp; Assessments</b>				\$135.54	
If Paid By		Amount Due			
11/30/2021		\$130.12			
12/31/2021		\$131.47			
1/31/2022		\$132.83			
2/28/2022		\$134.18			
3/31/2022		\$135.54			

<b>Prior Year Taxes Due</b>
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NO DELINQUENT TAXES
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# Columbia County Tax Collector

generated on 11/15/2021 4:04:25 PM EST

## Tax Record

Last Update: 11/15/2021 4:01:11 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year
R13271-000	REAL ESTATE	2021
<b>Mailing Address</b> RONSONET NORBIE J P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b>  <b>GEO Number</b> 000000-13271-000
<b>Exempt Amount</b>	<b>Taxable Value</b>	
See Below	See Below	
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>
NO EXEMPTIONS	001	
<b><u>Legal Description (click for full description)</u></b>		
00-00-00 0000/0000.21 Acres E DIV: 95 FT N & S BY 105 FT E & W IN NE COR. (BLOCK 266) 360-198, 524-536, 906-512,514,		
<b>Ad Valorem Taxes</b>		
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Exemption Value Amount Taxable Value Taxes Levied</b>
BOARD OF COUNTY COMMISSIONERS	7.8150	6,769 0 \$6,769 \$52.90
CITY OF LAKE CITY	4.9000	6,769 0 \$6,769 \$33.17
COLUMBIA COUNTY SCHOOL BOARD		
DISCRETIONARY	0.7480	6,769 0 \$6,769 \$5.07
LOCAL	3.6430	6,769 0 \$6,769 \$24.66
CAPITAL OUTLAY	1.5000	6,769 0 \$6,769 \$10.15
SUWANNEE RIVER WATER MGT DIST	0.3615	6,769 0 \$6,769 \$2.45
LAKE SHORE HOSPITAL AUTHORITY	0.0000	6,769 0 \$6,769 \$0.00
<b>Total Millage</b>	18.9675	<b>Total Taxes</b> \$128.40
<b>Non-Ad Valorem Assessments</b>		
<b>Code</b>	<b>Levying Authority</b>	<b>Amount</b>
XLCF	CITY FIRE ASSESSMENT	\$50.40
<b>Total Assessments</b>		\$50.40
<b>Taxes &amp; Assessments</b>		\$178.80
<b>If Paid By</b>		<b>Amount Due</b>
11/30/2021		\$171.65
12/31/2021		\$173.44
1/31/2022		\$175.22
2/28/2022		\$177.01

3/31/2022

\$178.80

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

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# Columbia County Tax Collector

generated on 11/15/2021 4:03:31 PM EST

## Tax Record

Last Update: 11/15/2021 4:00:18 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year
R13272-000	REAL ESTATE	2021
<b>Mailing Address</b> RONSONET NORBIE J RONSONET MARTHA ANN P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b>  <b>GEO Number</b> 000000-13272-000
<b>Exempt Amount</b>	<b>Taxable Value</b>	
See Below	See Below	
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>
NO EXEMPTIONS	001	
<u>Legal Description (click for full description)</u>		
00-00-00 0000/0000.11 Acres E DIV 50 FT OFF W SIDE OF NW1/4, BLOCK 266. 698-272,		
<b>Ad Valorem Taxes</b>		
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Value</b>
BOARD OF COUNTY COMMISSIONERS	7.8150	3,562
CITY OF LAKE CITY	4.9000	3,562
COLUMBIA COUNTY SCHOOL BOARD		
DISCRETIONARY	0.7480	3,562
LOCAL	3.6430	3,562
CAPITAL OUTLAY	1.5000	3,562
SUWANNEE RIVER WATER MGT DIST	0.3615	3,562
LAKE SHORE HOSPITAL AUTHORITY	0.0000	3,562
		<b>Exemption Amount</b>
		0
		<b>Taxable Value</b>
		\$3,562
		<b>Taxes Levied</b>
		\$27.84
		\$17.45
		\$2.67
		\$12.98
		\$5.34
		\$1.29
		\$0.00
<b>Total Millage</b>		18.9675
<b>Total Taxes</b>		\$67.57
<b>Non-Ad Valorem Assessments</b>		
<b>Code</b>	<b>Levying Authority</b>	<b>Amount</b>
XLCF	CITY FIRE ASSESSMENT	\$50.40
<b>Total Assessments</b>		\$50.40
<b>Taxes &amp; Assessments</b>		\$117.97
<b>If Paid By</b>		<b>Amount Due</b>
11/30/2021		\$113.25
12/31/2021		\$114.43
1/31/2022		\$115.61
2/28/2022		\$116.79

3/31/2022

\$117.97

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

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# Columbia County Tax Collector

generated on 11/15/2021 4:08:03 PM EST

## Tax Record

Last Update: 11/15/2021 4:04:50 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13273-000	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE J P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b> 535 SAINT JOHNS LAKE CITY  <b>GEO Number</b> 000000-13273-000			
<b>Exempt Amount</b>	<b>Taxable Value</b>				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<u>Legal Description (click for full description)</u>					
00-00-00 0700/0700.17 Acres E DIV: SE1/4 BLOCK 266. 892-340,					
Ad Valorem Taxes					
Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	7.8150	7,520	0	\$7,520	\$58.77
CITY OF LAKE CITY	4.9000	7,520	0	\$7,520	\$36.85
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	7,520	0	\$7,520	\$5.62
LOCAL	3.6430	7,520	0	\$7,520	\$27.40
CAPITAL OUTLAY	1.5000	7,520	0	\$7,520	\$11.28
SUWANNEE RIVER WATER MGT DIST	0.3615	7,520	0	\$7,520	\$2.72
LAKE SHORE HOSPITAL AUTHORITY	0.0000	7,520	0	\$7,520	\$0.00
<b>Total Millage</b>		18.9675	<b>Total Taxes</b>		\$142.64
Non-Ad Valorem Assessments					
Code	Levying Authority	Amount			
XLCF	CITY FIRE ASSESSMENT	\$50.40			
<b>Total Assessments</b>					\$50.40
Taxes & Assessments					\$193.04

If Paid By	Amount Due
11/30/2021	\$185.32
12/31/2021	\$187.25
1/31/2022	\$189.18
2/28/2022	\$191.11
3/31/2022	\$193.04

<b>Prior Year Taxes Due</b>
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NO DELINQUENT TAXES
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# Columbia County Tax Collector

generated on 11/15/2021 4:07:25 PM EST

## Tax Record

Last Update: 11/15/2021 4:04:12 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13273-001	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE J P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b>  <b>GEO Number</b> 000000-13273-001			
<b>Exempt Amount</b>	<b>Taxable Value</b>				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<u>Legal Description (click for full description)</u>					
00-00-00 0000/0000.17 Acres E DIV: SW1/4 OF BLOCK 266. 373-472, 892-340,					
Ad Valorem Taxes					
Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	7.8150	5,700	0	\$5,700	\$44.55
CITY OF LAKE CITY	4.9000	5,700	0	\$5,700	\$27.93
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	5,700	0	\$5,700	\$4.26
LOCAL	3.6430	5,700	0	\$5,700	\$20.77
CAPITAL OUTLAY	1.5000	5,700	0	\$5,700	\$8.55
SUWANNEE RIVER WATER MGT DIST	0.3615	5,700	0	\$5,700	\$2.06
LAKE SHORE HOSPITAL AUTHORITY	0.0000	5,700	0	\$5,700	\$0.00
<b>Total Millage</b>	18.9675	<b>Total Taxes</b>			\$108.12
Non-Ad Valorem Assessments					
Code	Levying Authority	Amount			
XLCF	CITY FIRE ASSESSMENT	\$50.40			
<b>Total Assessments</b>		\$50.40			
<b>Taxes &amp; Assessments</b>					\$158.52
If Paid By		Amount Due			
11/30/2021		\$152.18			
12/31/2021		\$153.76			
1/31/2022		\$155.35			
2/28/2022		\$156.93			
3/31/2022		\$158.52			

<b>Prior Year Taxes Due</b>
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NO DELINQUENT TAXES
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# Columbia County Tax Collector

generated on 11/15/2021 4:04:56 PM EST

## Tax Record

Last Update: 11/15/2021 4:01:43 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year
R13275-000	REAL ESTATE	2021
<b>Mailing Address</b> RONSONET NORBIE J RONSONET MARTHA ANN P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b> 554 NASSAU LAKE CITY  <b>GEO Number</b> 000000-13275-000
<b>Exempt Amount</b>	<b>Taxable Value</b>	
See Below	See Below	
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>
NO EXEMPTIONS	001	
<u>Legal Description (click for full description)</u>		
00-00-00 0000/0000.24 Acres E DIV: LOTS 1 & 2 R G CORNWALL S/D. 629-682,		
<b>Ad Valorem Taxes</b>		
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Value</b>
BOARD OF COUNTY COMMISSIONERS	7.8150	7,755
CITY OF LAKE CITY	4.9000	7,755
COLUMBIA COUNTY SCHOOL BOARD		
DISCRETIONARY	0.7480	7,755
LOCAL	3.6430	7,755
CAPITAL OUTLAY	1.5000	7,755
SUWANNEE RIVER WATER MGT DIST	0.3615	7,755
LAKE SHORE HOSPITAL AUTHORITY	0.0000	7,755
		<b>Exemption Amount</b>
		0
		<b>Taxable Value</b>
		\$7,755
		<b>Taxes Levied</b>
		\$60.61
		\$38.00
		\$5.80
		\$28.25
		\$11.63
		\$2.80
		\$0.00
<b>Total Millage</b>		18.9675
<b>Total Taxes</b>		\$147.09
<b>Non-Ad Valorem Assessments</b>		
<b>Code</b>	<b>Levying Authority</b>	<b>Amount</b>
XLCF	CITY FIRE ASSESSMENT	\$50.40
<b>Total Assessments</b>		\$50.40
<b>Taxes &amp; Assessments</b>		\$197.49

If Paid By	Amount Due
11/30/2021	\$189.59
12/31/2021	\$191.57
1/31/2022	\$193.54
2/28/2022	\$195.52
3/31/2022	\$197.49

<b>Prior Year Taxes Due</b>
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NO DELINQUENT TAXES
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# Columbia County Tax Collector

generated on 11/15/2021 4:05:34 PM EST

## Tax Record

Last Update: 11/15/2021 4:02:21 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13275-003	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE J P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b> 566 NASSAU LAKE CITY  <b>GEO Number</b> 000000-13275-003			
Exempt Amount	Taxable Value				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<u>Legal Description (click for full description)</u> 00-00-00 0000/0000.12 Acres E DIV: LOT 3 R G CORNWALL S/D. 471-588, 623-377, TD 1134-617,					
Ad Valorem Taxes					
Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	7.8150	3,878	0	\$3,878	\$30.31
CITY OF LAKE CITY	4.9000	3,878	0	\$3,878	\$19.00
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	3,878	0	\$3,878	\$2.90
LOCAL	3.6430	3,878	0	\$3,878	\$14.13
CAPITAL OUTLAY	1.5000	3,878	0	\$3,878	\$5.82
SUWANNEE RIVER WATER MGT DIST	0.3615	3,878	0	\$3,878	\$1.40
LAKE SHORE HOSPITAL AUTHORITY	0.0000	3,878	0	\$3,878	\$0.00
<b>Total Millage</b>		18.9675	<b>Total Taxes</b>		\$73.56
Non-Ad Valorem Assessments					
Code	Levying Authority	Amount			
XLCF	CITY FIRE ASSESSMENT	\$50.40			
<b>Total Assessments</b>		\$50.40			
Taxes & Assessments		\$123.96			
If Paid By		Amount Due			
11/30/2021		\$119.00			
12/31/2021		\$120.24			
1/31/2022		\$121.48			
2/28/2022		\$122.72			

3/31/2022

\$123.96

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

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# Columbia County Tax Collector

generated on 11/15/2021 4:08:38 PM EST

## Tax Record

Last Update: 11/15/2021 4:05:25 PM EST

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### Ad Valorem Taxes and Non-Ad Valorem Assessments

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

Account Number	Tax Type	Tax Year			
R13279-000	REAL ESTATE	2021			
<b>Mailing Address</b> RONSONET NORBIE J RONSONET MARTHA ANN P O BOX 1446 LAKE CITY FL 32056		<b>Property Address</b> 551 SAINT JOHNS LAKE CITY  <b>GEO Number</b> 000000-13279-000			
<b>Exempt Amount</b>	<b>Taxable Value</b>				
See Below	See Below				
<b>Exemption Detail</b>	<b>Millage Code</b>	<b>Escrow Code</b>			
NO EXEMPTIONS	001				
<u>Legal Description (click for full description)</u>					
00-00-00 0700/0700.19 Acres E DIV: 85 FT OFF W SIDE LOT 6 R G CORNWALL S/D. 754-2216-2220, 758-523, 760-1205,					
<b>Ad Valorem Taxes</b>					
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Value</b>	<b>Exemption Amount</b>	<b>Taxable Value</b>	<b>Taxes Levied</b>
BOARD OF COUNTY COMMISSIONERS	7.8150	7,411	0	\$7,411	\$57.92
CITY OF LAKE CITY	4.9000	7,411	0	\$7,411	\$36.31
COLUMBIA COUNTY SCHOOL BOARD					
DISCRETIONARY	0.7480	7,411	0	\$7,411	\$5.54
LOCAL	3.6430	7,411	0	\$7,411	\$27.00
CAPITAL OUTLAY	1.5000	7,411	0	\$7,411	\$11.12
SUWANNEE RIVER WATER MGT DIST	0.3615	7,411	0	\$7,411	\$2.68
LAKE SHORE HOSPITAL AUTHORITY	0.0000	7,411	0	\$7,411	\$0.00
<b>Total Millage</b>		18.9675	<b>Total Taxes</b>		\$140.57
<b>Non-Ad Valorem Assessments</b>					
<b>Code</b>	<b>Levying Authority</b>				<b>Amount</b>
XLCF	CITY FIRE ASSESSMENT				\$50.40
<b>Total Assessments</b>					\$50.40
Taxes & Assessments					\$190.97
<b>If Paid By</b>				<b>Amount Due</b>	
11/30/2021				\$183.33	
12/31/2021				\$185.24	
1/31/2022				\$187.15	
2/28/2022				\$189.06	

3/31/2022

\$190.97

Prior Years Payment History

**Prior Year Taxes Due**

NO DELINQUENT TAXES

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