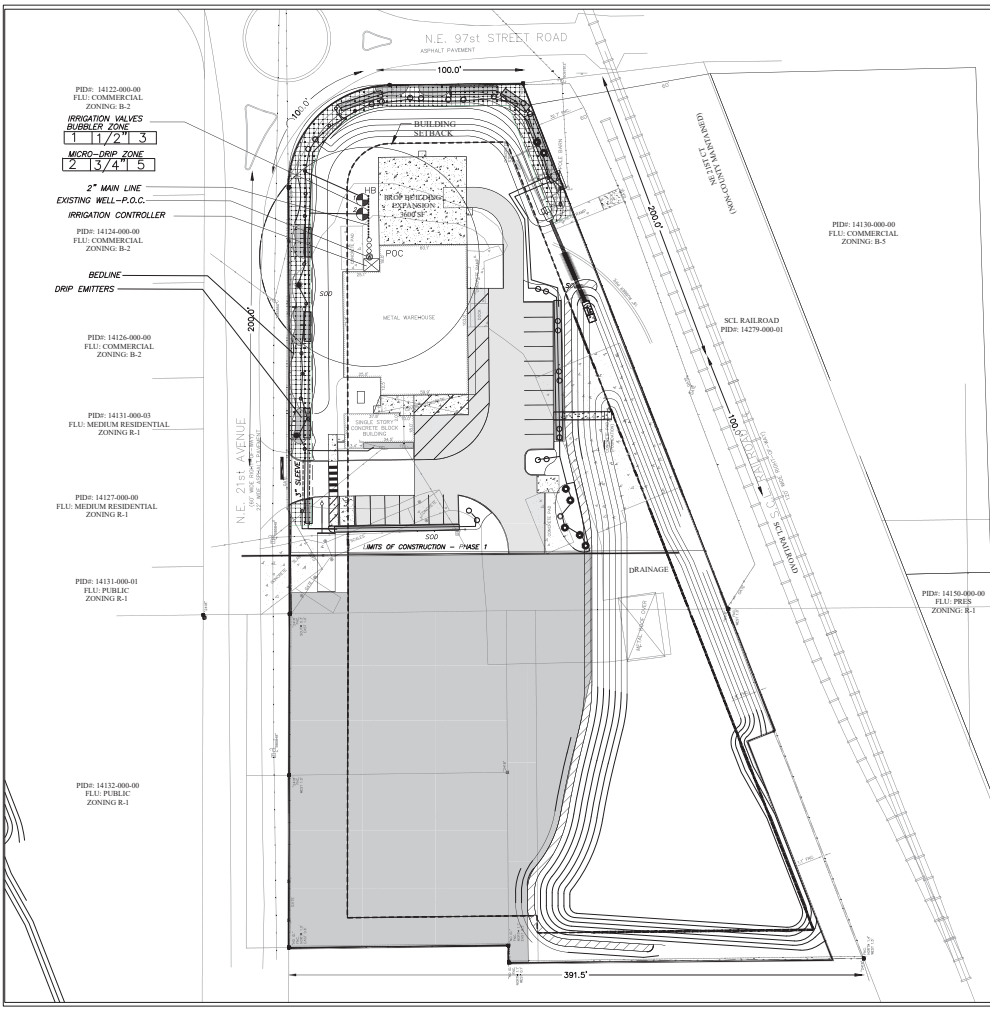

IRRIGATION KEY

- AUTOMATIC CONTROLLER (ELECTRIC) IN LOCK BOX, PROVIDE ELECTRIC W/ RAIN SENSOR
- ZONE CONTROL VALVE (LOW FLOW + PRESSURE REGULATOR)
- HB HOSE BIB
- BACKFLOW PREVENTER
- BUBBLERS EMITTER, 2 GPH 30 PSI
  - 32 SHADE TREE BUBBLERS (2 EACH)
  - 19 ORNAMENTAL TREE BUBBLERS (1 EACH)
- (2252 SF) DRIP & MICRO BEDS (GROUNDCOVERS & SHRUBS)
- SCH.40 PVC SLEEVE.
- SCH. 40 PVC MAINLINE 2"
- CLASS 160 LATERAL LINE, SIZED TYP. 1/2"

1 1/2" 3 — GPH / VALVE / ZONE

APPROVALS

Table 1. Watering schedule for newly planted trees and shrubs

Weeks after planting:	Watering frequency:
1-2	Daily
3-12	Every 2-3 days
Until established*	Weekly

* See Table 2 for tree establishment time. Shrubs establish in 1-2 years.

Newly planted shrubs are considered established when their root spread equals the spread of the above-ground canopy.
Establishment times for trees increases with tree size. Trunk caliper at planting time can be used to determine the time it takes for roots to establish (Table 2).

Table 2. Establishment time and watering volume for newly planted trees.

Caliper (inches)	Root establishment time for trees (years)	Water applied during each irrigation (gallons)
1	1.5	1-1.5
2	3	2-3
3	4.5	3-4.5
4	6	4-6
5	7.5	5-7.5
6	9	6-9

*apply 1-1 1/2 gallons per inch of stem caliper at each watering

IRRIGATION REQUIREMENTS

1. TYPE OF AUTOMATED SYSTEM = ELECTRIC CONTROLLER IN OUTDOOR LOCKING CABINET OR INDOORS.
2. TYPE AND SIZE OF ELECTRICAL WIRE = TO BE DETERMINED AT FOR VALVES
3. BACKFLOW PREVENTION DEVICE = FEBCO 850 DOUBLE CHECK OR PER COUNTY REQUIREMENTS
4. REQUIRED OPERATING PRESSURE = 30 PSI / 20 GPM
5. DESIGN OPERATING PRESSURE OF IRRIGATION SYSTEM = 30 PSI
6. PLACEMENT OF RAIN SENSOR WILL BE MOUNTED IN OPEN AREA CLOSE TO CONTROLLER LOCATION.
7. WATER REQUIREMENTS PER ZONE = PROVIDE 1/4" WATER PER ZONE/DAY (1-3/4"/WEEK), COMPLY WITH DISTRICT WATERING RESTRICTIONS
   BUBBLERS ZONES (EACH)= RUN TIME 15 MIN.,7 DAYS (FIRST YEAR)= 30 GALLONS/DAY
   SPRAY HEADS= RUN TIME 15 MIN.,7 DAYS (FIRST YEAR)= 540 GALLONS/DAY MAX.
8. SEE DETAIL SHEET FOR INSTALLATION SPECIFICATIONS AND DETAILS.

NOTES

1. WELL TO HAVE A TOTALIZING WATER METER INSTALLED AT WATER SOURCE FOR IRRIGATION.
2. NEW IRRIGATION PIPING MAY BE REVISED DEPENDING ON LOCATION OF METER POINT OF CONNECTION
3. WATER SOURCE TO BE POTABLE WATER AND MAINLINE TO BE ADJUSTED TO CONNECT ZONE CONTROLLERS.

A. A COMPLETE, SELF-CERTIFICATION CHECKLIST, AS WELL AS A CLEAR AND ACCURATE AS-BUILT SKETCH, TO BE SUBMITTED AND ACCEPTED BY THE COUNTY; AND

B. THE FINAL INSPECTION AND LANDSCAPE/IRRIGATION RELEASE HAS BEEN RECEIVED OR THE COUNTY HAS CONDUCTED AND CERTIFIED A FINAL INSPECTION.

Upon completion of the installation, the contractor shall request an inspection by the design professional. A Landscape and Irrigation As-Built Certification shall be signed and sealed by the design professional and submitted to the County Landscape Architect prior to the issuance of a Certificate of Occupancy.

DRAFT

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 30 ft.

DATE: 12/20/24
DRAWN BY: DRAWN BY:
CHECKED BY: ELIZABETH C. HOLCK
ELIZABETH C. HOLCK
DRAWING NO. 24-155

ELIZABETH C HOLCK
LANDSCAPE ARCHITECT, LLC
815 PLANT CONSULTATION CERTIFICATIONS
(352) 97-587-1111

REVISIONS:
12/20/24 – phase 1
2/12/25 – phase 1
Boundary adjustment

NOT VALID UNLESS SIGNED AND SEALED BELOW
ELIZABETH C. HOLCK, RLA, A.S.L.A. – DATE
LA # 0000174 – FLORIDA

IRRIGATION PLAN
ALIEN ENGINEERED PRODUCTS
TAX PARCEL NO. 14224-000-00; 14138-000-00; 14121-000-00
OCALA, FLORIDA

SHEET
LA-2 OF 3