

**TOWN OF CROMWELL
TOWN COUNCIL
TOWN HALL COUNCIL CHAMBERS
41 WEST STREET, CROMWELL, CT 06416**

**SPECIAL MEETING AGENDA
Thursday, April 27, 2023 at 4:30 p.m.**

A. CALL TO ORDER

B. NEW BUSINESS

1. Discussion and action to approve BOE request for an appropriation in the amount of \$21,000 within the CNR Fund for irrigation pump replacement and irrigation control.

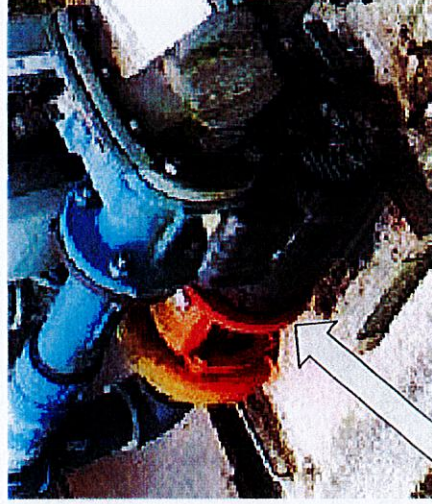
C. ADJOURN

District Irrigation Proposal Scope of Work Replace Pump and Upgrade Irrigation System Accessibility

Existing pump



Pump section



Manual Controllers



- Pump is currently shut off
- Pump cannot be turned on without leak occurring
- Pump will 'leak' approximately 2-5 gallons of water per hour
- Leak will continue to erode the area which is causing additional water damage
- Water Dept. strongly encourages this repair due to existing conditions not favorable to irrigation startup next month
- Most pump/motor setups have a 20 year life. This irrigation system was installed over 20 years ago, and two repairs have taken place over the last few years. We are out of options.

District Irrigation Proposal

Scope of Work

Replace Pump and Upgrade Irrigation System Accessibility

Option #1 - Replace existing Pump at CHS - Not repairable \$ 9,800

Option #2 - Replace existing Pump and upgrade to wireless controller technology at CHS*

*This connectivity allows you to view a controllers status, change settings, view forecasts, save water, and receive instant notifications of important alarms - all without costly and time-consuming travel and site visits. This controller also includes flow monitoring, SMS text notification of critical alarms, multi-day weather forecast to assist with programming and automatic weather trigger to prevent unnecessary irrigation and maximize water savings.

- Electrical savings - estimate of 25% or more
- Water savings - estimate of a minimum of 10-20% or more (weather dependent)
- Labor Savings - remote log-in (app driven from cell phone) negates need to arrive onsite

\$ 9,800
\$ 4,129
\$13,929

Option #2A - Add Same Wireless Controller Technology at CMS & WIS, to match CHS

\$13,929
\$ 3,212
\$ 3,212
\$20,353

CHS
CMS
WIS
Grand Total

Notes: 1. \$150.00 per Wireless Controller due annually, after the 1st year of free service
2. Delivery and Installation of all equipment, 2 weeks after receipt of order

Clef Industries LLC

1427 Mount Vernon Road
Southington, CT 06489 US
clefindustries@gmail.com

Estimate

ADDRESS
Joe divicino
town of cromwell

SHIP TO
Joe divicino
town of cromwell

ESTIMATE
DATE 1073
03/03/2023

DATE	SERVICE	DESCRIPTION	QTY	RATE	AMOUNT
	5 hp motor	short shaft single phase	1	1,900.00	1,900.00
	GOULDS PUMP		1	2,100.00	2,100.00
	custom plumbing		1	1,000.00	1,000.00
	Labor Two Guys	Labor Two Guys	16	300.00	4,800.00

This is to estimate what you have

SUBTOTAL

9,800.00

TAX

0.00

TOTAL

\$9,800.00

Accepted By

Accepted Date

ANDERSON TURF

IRRIGATION INC

PO BOX 1195 AVON CONNECTICUT 06001

Phone: 860.747.9911 Email: info@andersonturf.com

CT LIC# PLJ-A03135-JT RW M320083 NY BUFFOLK COUNTY# RE-42841-RE RP-42877

January 26, 2023

Mr. Joseph Divicino, Groundskeeper
Cromwell BOE
9 Capt. James E. Mann Memorial Drive
Cromwell, CT 06416

Dear Mr. Divicino:

We are pleased to have the opportunity to quote on the installation of *Hunter Centralus* controllers for the **Cromwell Schools** automatic irrigation systems.

Anderson Turf Irrigation, Inc. agrees to replace these controllers for the following:

Cromwell High School <i>Four Thousand One Hundred Twenty-Nine Dollars</i>	\$4,129.00
Cromwell Middle School <i>Three Thousand Two Hundred Twelve Dollars</i>	\$3,212.00
Woodside Intermediate School <i>Three Thousand Two Hundred Twelve Dollars</i>	\$3,212.00

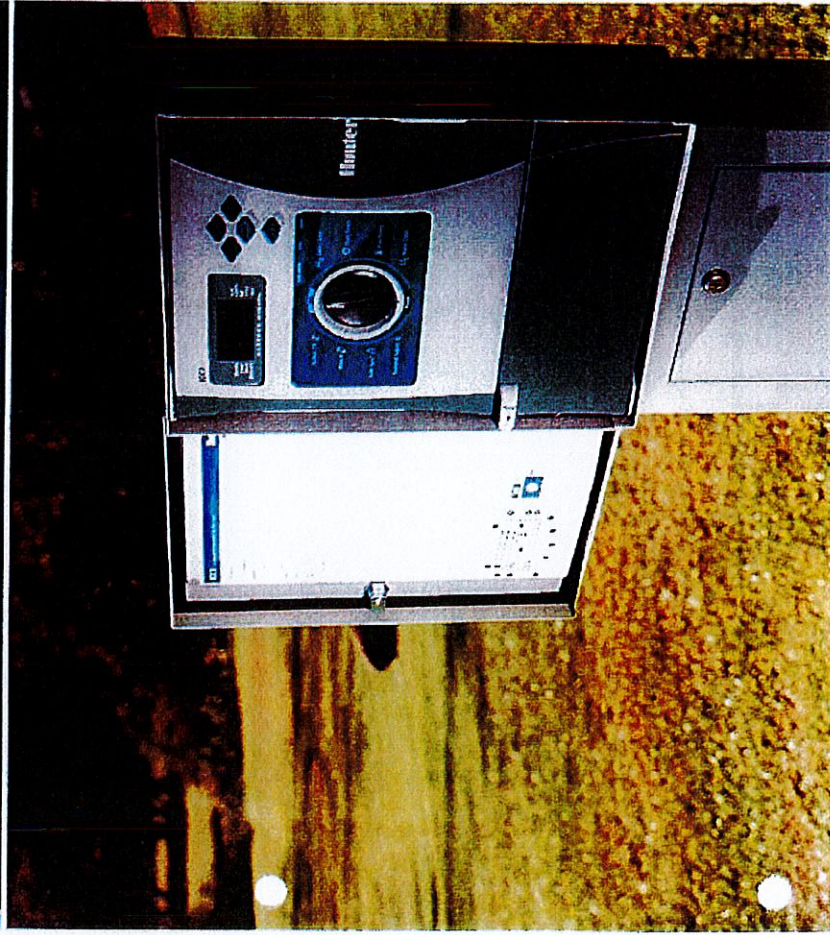
Cellular connection to these controllers will require a paid subscription after the first year.

Please advise us if you would like this project scheduled by signing the enclosed contract and returning it to us.

ICC2 CONTROLLER

The Professional's Choice for Flexible,
Reliable Irrigation Control

Hunter®



POWER + SIMPLICITY, *all in one.*

Delivering reliable and efficient irrigation for light-to-midsize commercial settings, the field-proven ICC2 Controller provides an abundance of user-friendly features to deliver long-lasting performance with maximum water savings. This value-packed controller provides simplicity, versatility, and power in a robust and flexible design.

Runs Two Stations at Once
Boost the efficiency of your irrigation schedule with powerful and convenient functionality.

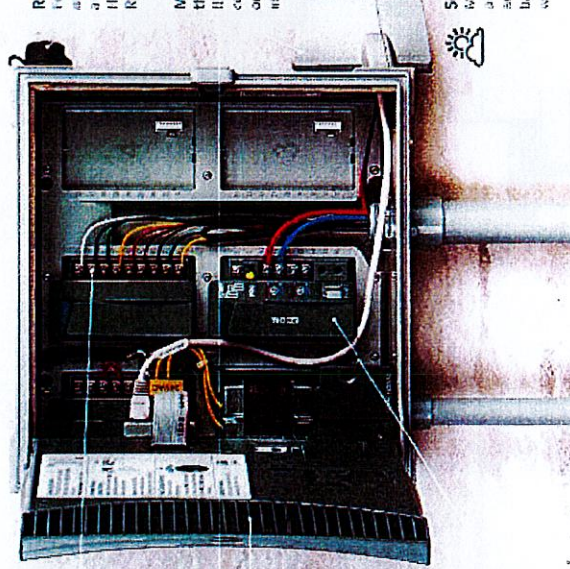
Upgradable to the Hydrowise® Platform
Want more options for smart cloud-based control? Swap out the backbox with the iRT Pro or Upgrade Kit to enable Hydrowise software management.

Two-Wire Compatibility
Install the EZ-DM Module to enable control for up to 54 stations with Hunter's revolutionary EZ Decoder System.

ROAM Remote Compatibility
For convenient system adjustments and access from a distance while on-site, use a Hunter ROAM or ROAM X2 Remote.

Manage Your Way with the Centralus Platform
It's easy to enable Centralus control with Wi-Fi, Ethernet, or cellular connection options to meet a variety of applications.

Solar Sync® Sensor Ready
Maximize water savings with a Solar Sync Sensor. It enables automatic irrigation updates based on locally measured weather conditions.



Learn more about the ICC2 Controller and the Centralus Platform



<https://hunterinfo/ICC2>



<https://hunterinfo/Centralus>

The popular and cost-effective **ICC2** Controller is web-enabled to provide a range of convenient remote irrigation management capabilities for professionals.



Mobile-Friendly

The Centralus Irrigation Management Platform provides comprehensive, cloud-based control and monitoring features for the ICC2 Controller. The connectivity allows you to view a controller's status, change settings, view forecasts, save water, and receive instant notification of important system alarms — all without costly and time-consuming travel and site visits.

Flow-Monitoring Capabilities

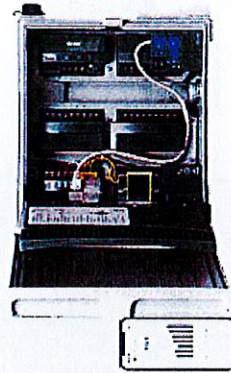
Add Centralus to any standalone ICC2 Controller to enable critical flow-monitoring capabilities. When flow is detected, system flow rates and totals are sent to the cloud for flow analysis and reporting in Centralus. Automatic shutdown prevents landscape erosion and water waste if an overflow condition occurs.

Secure and Reliable

Centralus is reviewed by industry-leading independent security analysts to ensure that protection and privacy standards are stringently maintained, including hardware authentication.

Three Flexible Connection Options

To upgrade to next-generation Centralus control, choose one of three connection options depending on site requirements and personal preference: Wi-Fi (WIIFKIT), hardwired Ethernet (LANKIT), or cellular (CELLKIT).



Wi-Fi Connection
2.4 GHz Wi-Fi router compatible, 802.11b/g/n, 20 MHz

Ethernet (LAN) Connection
Secure, high-speed Ethernet connection with RJ-45 connection to network



Cellular Connection
4G LTE cellular communication module; monthly service plan required

CENTRALUS

- Number of stations
 - Conventional 3 to 18 (pneulic); 8 to 54 (metal and predrilled); With two-wire E/205 up to 34 (all-electronic options)
 - 1 independent irrigation program (8 start times each)
 - Any 2 programs can operate simultaneously, providing more efficient watering
 - Sensor input available for use with the Hunter Solar Sync Sensor or any 4/2k sensor
 - 1P/2V output for pump start relay and master valve actuation
 - Successful compatibility to original HCC Controllers allows for seamless updates to older systems
 - Easy update to Centraxis Software for web-based central control options

- Transformer input: 120/230 VAC
 - Transformer output (24 VAC): 1.4 A
 - Station output (24 VAC): 0.56 A
 - P/GN output (24 VAC): 0.56 A
 - Applications: Water Mains (95% confidence),
FEC, CE, RCN, ISEO
- Warranty period: 5 years

[illegible]

- **WIFI/4G, LAN/10, an Ethernet communications for cloud-based central control**
- **Cloud** the controller facespans with the iSCSI storage upgrade to full to enable cloud-based system control
- **Compatible with the Hunter Flow Sync, Activator and iSCSI Flow Meter for flow monitoring capabilities as well as the Certina Platform**
- **Compatible with the Hunter Solar Flow Sensor**

Discussion

[illegible]

Technical Service • 503 • 2004

Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family for years to come.

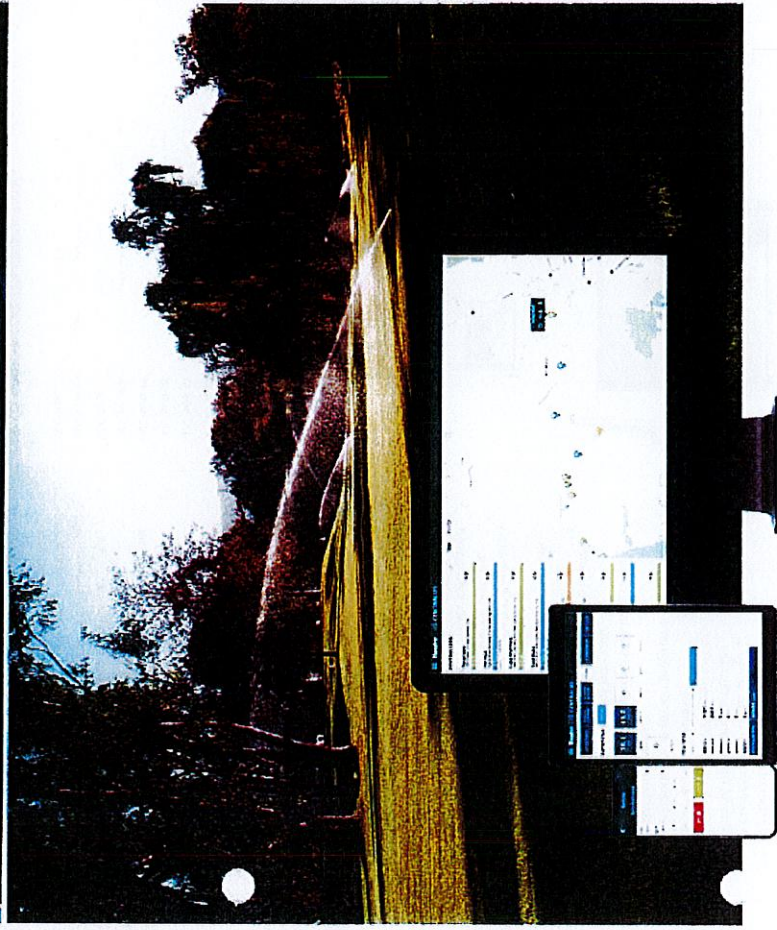
2022 quarter production, Hensley, the Hunter logo, and all other trademarks are a registered trademark of Hensley Products Inc.

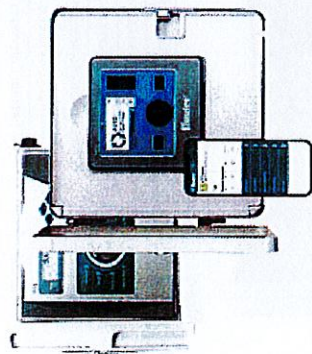
George Smith, President of Lakeside International and Cultural Exchange



Irrigation Management Platform
for ACC2 and ICC2 Controllers

Hunter®





Hunter's popular **ACC2** and **ICC2** Controllers are now web-enabled to provide a range of powerful and flexible remote irrigation management capabilities.



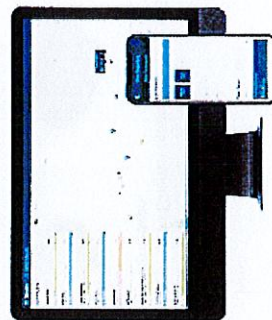
MOBILE-FRIENDLY

The midsize-friendly Centralis Irrigation Management Platform provides highly secure, comprehensive cloud-based control and monitoring features for the powerful and popular ACC2 and ICC2 Controllers. This connectivity allows you to view a controller's status, change settings, view forecasts, save water, and receive instant notification of important system alarms, all without costly and time-consuming travel and site visits.



USER-FRIENDLY

Simple screens with intuitive navigation and powerful adjustments and remote control at your finger tips, from the user-friendly controls dashboard. It's now easier than ever to add alarm monitoring, location administration, remote operation, and flow monitoring to compatible Hunter controllers. Centralis can be switched to over a dozen international languages.



FLEXIBLE CONNECTION OPTIONS

To upgrade to Centralis control, choose from several connection options, depending on site requirements and your available network resources. Via standard Ethernet (LAN), or 4G/LTE cellular connection. Each connection is required. Log on to the platform through your browser by navigating to centralis.hunterindustries.com. Great flexibility and reliability in the platform. So you can join the Centralis network of intelligent irrigation controllers and capabilities.

SECURE AND RELIABLE

The Centralis network is highly protected, securely encrypting all data and protecting your privacy. Hunter is an ISO 9001 certified manufacturer and follows a strict quality control process.



CENTRALUS WEB-BASED IRRIGATION MANAGEMENT

Centralus Software Features

- Cloud-based control and monitoring for ACC2 and ACC2 Controllers
- Manage controller irrigation schedules, settings, and alerts from anywhere
- Real-time flow monitoring and reporting of system flow rates and totals
- Multi-day weather forecast based on controller location, including weather triggers for maximum water savings
- Automatic climate-based scheduling adjustments based on ET (evapotranspiration) when used with a Hunter Solar Syntec Sensor
- Full remote control capabilities for station and program operation, both via smartphone and ROKU/ROAM XL Remotes
- SMS text notification of critical alarms to your mobile device with detailed alarm logging of incidents
- User management functions, including controller sharing for crewmember access
- Wi-Fi or Ethernet connectivity to existing routers
- 4G LTE cellular connectivity options with simple service plan setup

Wi-Fi Features

- Secure, high-speed Wi-Fi connection with built-in antenna (802.11 b/g/n; 2.4 GHz)



Wi-Fi Antenna



Wi-Fi Antenna

Ethernet (LAN) Features

- Secure, high-speed Ethernet connection with RJ-45 connection to network



Ethernet (LAN) Connection



Ethernet (LAN) Connection

4G-LTE Cellular Features

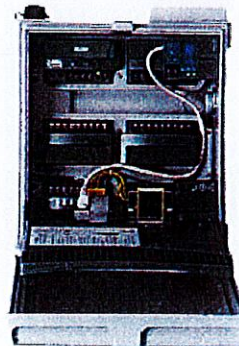
- Secure, reliable 4G LTE cellular connectivity
- Preinstalled SIM card for quick and convenient data activation



4G-LTE Cellular Module



4G-LTE Cellular Module



Model Description

Model	Description
WIFIKIT	Wi-Fi Communication Module for ACC2 Controller
LANKIT	Ethernet Communication Module for ACC2 Controller
CELLKIT	Cellular Communication Module for ACC2 Controller (service plan required)
ACC2-WIFI	Wi-Fi Communication Module for ACC2 Controller
ACC2-LAN	Ethernet Communication Module for ACC2 Controller
ACC2-LTE	4G LTE Cellular Communication Module for ACC2 Controller (service plan required)