



Addison City Council Meeting

October 10, 2023

Addison Conference Centre

15650 Addison Road

Addison, Texas 75001

Amended 10/10/2023: Council Questions & Answers Added

Email comments may be submitted using the Public Comment Form located on Addison's website by 3:00 PM on the meeting day. The meeting will be live-streamed at www.addisontexas.net.

WORK SESSION

The Addison City Council will convene for a Work Session in the Council Chambers beginning at 6:00 PM.

1. **Call Meeting to Order and Announce that a Quorum is Present.**
2. **Citizen Comments on the Consent Agenda Items.** This item allows citizens to speak on any item listed on the Consent Agenda prior to its consideration. Citizen comments are limited to three (3) minutes, unless otherwise required by law. To address the Council, please fill out a City Council Appearance Card and submit it to a staff member prior to the beginning of this item.
3. **Council Member Clarification Requests Regarding Consent Agenda Items.**
4. **Council Questions and Answers.**
5. **Closed Meeting.** The Addison City Council will enter a Closed Meeting pursuant to Texas Government Code Sections 551-071 through 090 to discuss the following item(s):
 - *551.071(1)(A) Consultation with Attorney* to seek advice on pending or contemplated litigation
 - White Rock Chapel;

- *551.071(2): Consultation with Attorney* on a matter in which the duty of the attorney to the governmental body under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with this chapter;
- *551.087(1): Economic Development Negotiations* to discuss or deliberate regarding commercial or financial information that the governmental body has received from a business prospect that the governmental body seeks to have locate, stay, or expand in or near the territory of the governmental body and with which the governmental body is conducting economic development negotiations; and
- *Section 551.087(2): Economic Development Negotiations* to deliberate the offer of a financial or other incentive to a business prospect described by Subdivision (1).
 - Addison Circle Transit Oriented Development Project

6. **Open Meeting.** In accordance with Texas Government Code Chapter 551, the Addison City Council will reconvene in an Open Meeting to consider action, if any, on the matters discussed in the Closed Meeting.

7. **Work Session Reports**

- a. Present and discuss Addison Kaboom Town!® recap.

COUNCIL MEETING

The Addison City Council will convene for a Council Meeting beginning at 7:30 PM in the Council Chambers.

1. **Pledge of Allegiance.** United States and Texas Flags
2. **Proclamations / Presentations**
 - a. City Manager's Announcements
 - b. Employee Recognition

3. **Public Comment.** The City Council invites citizens to address the City Council on any matter, including items on the agenda, except public hearings that are included on the agenda. Comments related to Public Hearings will be heard when the specific hearing starts. Citizen comments are limited to three (3) minutes, unless otherwise required by law. To address the Council, please fill out a City Council Appearance Card and submit it to a staff member prior to the Public Comment item on the agenda. The Council is not permitted to take any action or discuss any item not listed on the agenda. The Council may choose to place the item on a future agenda.

4. **Consent Agenda.** All items listed under the Consent Agenda are considered routine by the City Council and will be enacted by one motion with no individual consideration. If individual consideration of an item is requested, it will be pulled from the Consent Agenda and discussed separately.
 - a. Consider Action on the Minutes from the September 26, 2023 City Council Meeting.

 - b. Consider action on the purchase of water meters from Thirkettle Corporation (d/b/a Aqua-Metric Sales Company, Inc.) through HGACBuy and authorize the City Manager to execute the Purchase Order in an amount not to exceed \$165,000.

 - c. Consider action on the purchase of an asphalt trailer from Kirby Smith Machinery, Inc. through BuyBoard for an amount not to exceed \$64,598.

 - d. Consider action on the purchase of traffic signal system purchases from Paradigm Traffic Systems, Inc., through BuyBoard and authorize the City Manager to execute the purchase order in an amount not to exceed \$161,500.

 - e. Consider action on the purchase of a Model 435 street sweeper from TYMCO through BuyBoard and authorize the City Manager to execute the purchase order in an amount not to exceed \$217,357.

- f. Consider action on a Resolution approving a Professional Services Agreement (PSA) between the Town of Addison and Pure Technologies to provide non-destructive testing of the transmission water main line and authorizing the City Manager to execute the agreement in an amount not to exceed \$71,515.
- g. Consider action on Change Order #1 to the contract with Rey-Mar Construction, LLC. (Rey-Mar) for a permanent increase of \$100,000 per fiscal year and authorize the City Manager to execute the change order in an amount not to exceed \$100,000.

5. **Public Hearings.**

- a. Hold a public hearing, present, discuss, and consider action on a request for a Special Use Permit (SUP) for property located at 4980 Belt Line Road, Suite 200, that is currently zoned Planned Development (PD), through Ordinance No. O01-002, to allow a restaurant with the sale of alcoholic beverages for on-premises consumption. Case 1888-SUP/4980 Belt Line Road, Suite 200 (The Alley).
- b. Hold a public hearing, present, discuss, and consider action on a request to rezone a 1.77± acre property located at 3790 Belt Line Road, from Planned Development (PD) to a new Planned Development (PD) zoning district with a Special Use Permit (SUP), to allow for the construction of a proposed restaurant with dine-in and drive-through facilities, through the approval of development plans. Case 1891-Z/3790 Belt Line Road (Chick-Fil-A).

6. **Items for Individual Consideration.**

7. **Items of Community Interest.** The City Council will have this opportunity to address items of community interest, including: expressions of thanks, congratulations, or condolence; information regarding holiday schedules; an honorary or salutary recognition; a reminder about an upcoming event organized or sponsored by the Town of Addison; information regarding a social, ceremonial, or community event that was or will be attended by an Addison City Council member or an official; and, announcements involving an eminent threat to public health and safety in Addison that has arisen since posting this agenda.

8. **Adjourn Meeting.**

NOTE: The City Council reserves the right to meet in a Closed Meeting at any time during this meeting to discuss matters listed on the agenda, as authorized by the Texas Open Meetings Act, Texas Government Code, Chapter 551. Any decision held on such matters will be conducted in an Open Meeting following the conclusion of the Closed Meeting.

THE TOWN OF ADDISON IS ACCESSIBLE TO PERSONS WITH DISABILITIES. PLEASE CALL (972) 450-7017 AT LEAST 48 HOURS IN ADVANCE IF YOU NEED ASSISTANCE.

Posted by: _____
Date posted: _____ Time posted: _____
Date removed from bulletin board: _____
Removed by: _____

City Council (FY24)

4.

Meeting Date: 10/10/2023

Department: General Services

AGENDA CAPTION:

Council Questions and Answers.

BACKGROUND:

The Council Questions and Answer document, along with any handout(s) provided during the meeting, will be attached below. Due to the requirement to post the agenda prior to these attachments being created, the Council Questions and Answers document will be uploaded just prior to the meeting. Any handouts presented during the meeting will be added on the next business day.

RECOMMENDATION:

Information only. No action required.

Attachments

Questions & Answers 10/10/2023



Answers to Council Questions – October 10, 2023

Consent Items

Item #4.d: Consider action on the purchase of traffic signal system purchases from Paradigm Traffic Systems, Inc., through BuyBoard and authorize the City Manager to execute the purchase order in an amount not to exceed \$161,500.

Question 1: Could you provide a more detailed description and functionality of the “vehicle detection” component of the traffic system’s signal controllers being addressed in this item.

Response: Over the past four years, staff has been upgrading the camera-based vehicle detection systems across the Town. To date, 11 of the 37 intersections have been completed. These systems utilize video feeds to relay data to the traffic signal controller, enabling it to detect the presence of vehicles and trigger appropriate signal changes. In addition to the 11 upgraded intersections, all traffic signals in capital improvement projects include these new vehicle detection systems.

This purchase will allow for an additional two intersections to be upgraded in FY24.

Public Hearings

Item #5.b: Hold a public hearing, present, discuss, and consider action on a request to rezone a 1.77± acre property located at 3790 Belt Line Road, from Planned Development (PD) to a new Planned Development (PD) zoning district with a Special Use Permit (SUP), to allow for the construction of a proposed restaurant with dine-in and drive-through facilities, through the approval of development plans. Case 1891-Z/3790 Belt Line Road (Chick-Fil-A).

Question 1: When was the tree mitigation policy initiated? Has it been revised/updated over the time it has been in place. Is the basic premise one simply of equity, or are there any motivating aspects one way or the other? How is the administration of this policy and related “fund” handled?

Response: Addison’s current landscape ordinance requires spacing of trees that is further apart than the original landscape ordinance. The current ordinance is more in line with Urban Forestry practices that support ideal tree health. In early 2022, staff began seeing more redevelopment projects and as a result, were seeing issues with developers being able to mitigate all of the removed trees onsite since the sites were developed at a time that more trees were required or allowed to be planted on a site than is required today.



Answers to Council Questions – October 10, 2023

There had been a past practice of allowing developments to pay to mitigate trees off-site which has been used on a small, limited basis. Since it appeared this practice was becoming more common, staff drafted an internal policy for managing tree mitigation funds with the intent that this policy would be included in the Unified Development Code (UDC) update. Below is the internal policy that staff is implementing for the use of tree mitigation funds. This practice aligns with how other municipalities manage tree mitigation funds.

“Tree Mitigation Policy: A payment may be made into the Town’s Tree Mitigation Fund in lieu of on-site mitigation. The payment shall be on a caliper inch unit cost. Payments into this fund will be used to cover the cost of off-site tree mitigation that cannot be accomplished on-site. It is always preferred for trees to be mitigated on-site first and this option may only be used if staff confirms that there is not adequate room on-site for trees to be planted in a manner that supports tree health and safety.

The Parks and Recreation Department shall administer and use the Tree Mitigation fund to:

- A. Purchase, plant and install irrigation for new canopy and ornamental trees to be planted on Town Property. Funds can be used to plant new trees or replace existing trees on town property that are in decline, poor health, or pose a safety concern as identified by a registered arborist. A minimum of 75% of the fund must be used to purchase, plant and irrigate new trees. The remaining 25% may be use for items B & C.*
- B. Conduct maintenance on existing trees.*
- C. Perform and maintain a city-wide tree inventory.*

Payments contributed to the Tree Mitigation fund must be made prior to a site demolition permit being issued by the Town.

The required payment into the fund is established annually on October 1st by defining the cost per caliper inch of tree. The cost is established by the Parks Department and will be based on the average commercial cost for a 4” caliper canopy tree multiplied by 25%. For Fiscal Year 2023/2024 the average cost is set at \$192.00 a caliper inch. “

Finance created a revenue account that tree mitigation funds are deposited into. Parks staff requests funds to be moved into an expense account as projects which will utilize the funds are identified. Parks maintains a database that accounts for how the funds are utilized along with a database of trees that need to be mitigated.

City Council (FY24)

7. a.

Meeting Date: 10/10/2023

Department: Special Events

Pillars: Optimize the Addison Brand

AGENDA CAPTION:

Present and discuss Addison Kaboom Town!® recap.

BACKGROUND:

Addison Kaboom Town!® is a major festival produced by the Town annually to promote tourism while supporting Addison hotels, restaurants, and other businesses. It continues to be one of the nation's most impressive and unique Independence Day celebrations. The festivities kick-off with the Addison Airport Airshow, followed by a spectacular fireworks display that can be viewed town-wide from a restaurant watch party, hotel balcony, or the award-winning festival in Addison Circle Park. The event was held July 3, 2023 and showcased flights, sights, and an amazing night of boom!

The Special Events and Finance Departments have prepared a report on the marketing, operational, and financial outcomes of Addison Kaboom Town!® 2023.

RECOMMENDATION:

Information only. No action required.

Attachments

Kaboom Town 2023 Recap



Council Presentation

October 10, 2023

FLIGHTS, SIGHTS, AN AMAZING NIGHT

ADDISON

KABOOM
TOWN

The text 'KABOOM' is rendered in large, bold, blue-outlined letters. The interior of each letter is filled with a vibrant image of fireworks exploding in a dark night sky. Below 'KABOOM', the word 'TOWN' is written in a smaller, bold, black font with a blue outline. A bright red starburst graphic is positioned between the 'O' and 'W' of 'TOWN'. The entire graphic is set against a white background.

NUMBERS AT A GLANCE

ADDISON

RATED TOP 5
FIREWORKS SHOW
BY USA TODAY

OFFICIAL ATTENDANCE

11,000

OVER 35K TICKETS
RELEASED

4,000

SHELLS IN THE
FIREWORKS SHOW

1

AIRSHOW —
10 SKYDIVERS +
9 SPECIALTY AIRCRAFT



HOW DID YOU
HEAR ABOUT US?



FIRST TIME AT KABOOM?

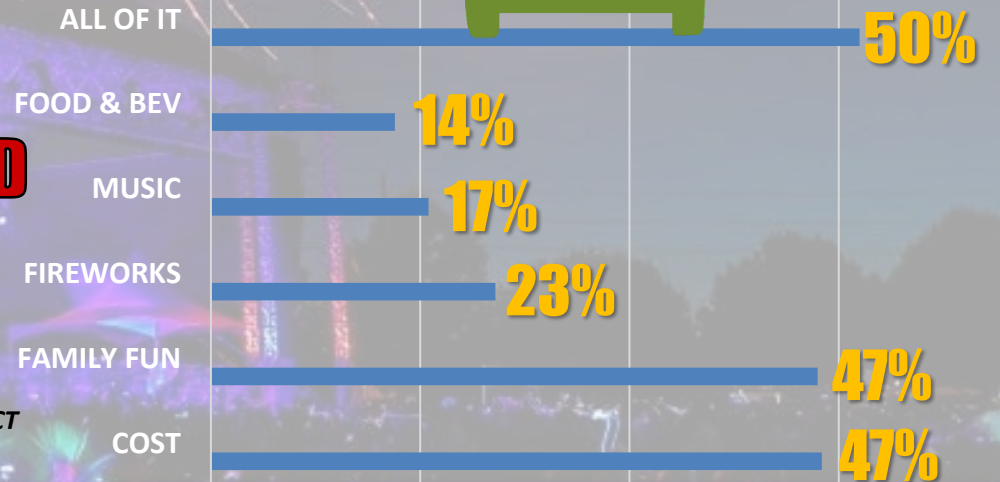


HOW DID
YOU GET
HERE?



**WHAT
ATTRACTED
YOU TO
KABOOM?**

*ATTENDEES COULD SELECT
ALL THAT APPLIED



ATTENDANCE

ADDISON

35,000

TOTAL TICKETS RELEASED

OFFICIAL IN PARK ATTENDANCE

11,000

Resident Tickets Released: 6,000

RESIDENT TICKETS SECURED: 4,000

Public GA Tickets Released: 21,000

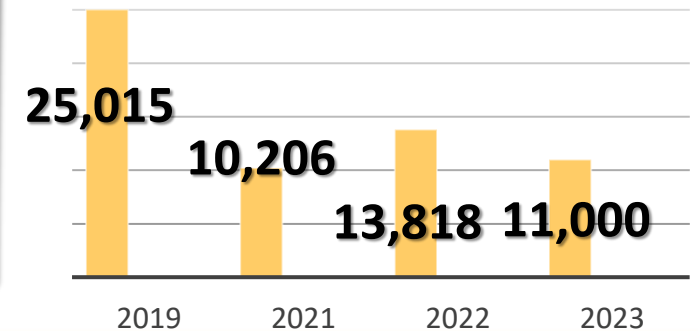
ALL SECURED

VIP Tickets: 3,000

Hotel Tickets: 5,000

Town Wide Parties: 20+

ATTENDANCE HISTORY





TOWNWIDE OCCUPANCY

72%

15 Participating Hotels

10/15 SOLD OUT!

867 Hotel Packages Redeemed

GUARANTEED ADMISSION FOR UP TO 6 +
BRANDED NECK COOLING TOWEL

**30% Park Attendees were Hotel
Package Recipients**



TOTAL IMPRESSIONS

57,000,000

RADIO:

IN-KIND/PAID -- iHEART

28,850,000

TELEVISION:

IN-KIND/PAID – CW33

12,783,000

DIGITAL:

PAID - \$7,000

13,113,000

PAID SOCIAL:

MULTIPLE OUTLETS -
\$12,500

1,195,000

PRINT:

IN-KIND/PAID –
MULTIPLE OUTLETS

1,173,000



TOTAL FOOD + BEVERAGE GROSS SALES:

\$136,220

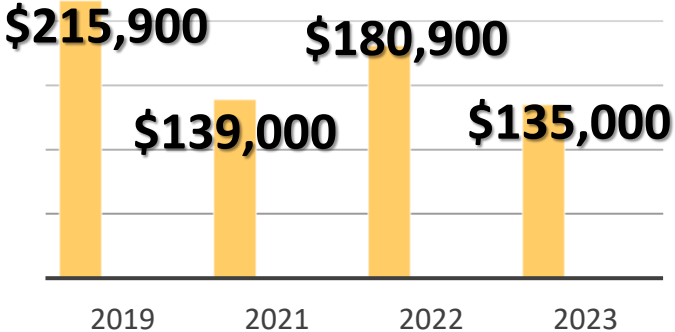
CONCESSIONAIRE AVE:
13 PARTICIPATING

\$7,500

BEVERAGE GROSS SALES:
INCLUDES WATER PARTNER

\$38,000

CONCESSIONAIRE GROSS SALES HISTORY





TOTAL REVENUE

\$110,447

SPONSORSHIP:

\$79,750

CASH ONLY ---

IN-KIND TOTAL: \$256,300

FOOD / BEVERAGE:

\$29,474

20% REV SHARE

VENDORS / MISC:

\$1,222

MERCH SALES, ATM &
MISC REVENUE



TOTAL EXPENDITURES

\$442,719

CONTRACTUAL SERVICES:

TRASH, ELECTRIC, STAGE PROD,
TICKET SCANNERS, PARKING

\$92,498

RENTALS:

TENTS, RESTROOMS, FENCING, GOLF
CARTS, GAMES, EQUIPMENT, DÉCOR

\$85,918

FIREWORKS:

\$75,000

STAFF COMPENSATION:

INCLUDES OT +
RETIREMENT

\$56,146

ENTERTAINMENT:

PERFORMERS, AGENCY FEES,
EMCEES

\$56,054

OUTSIDE SECURITY:

SECURITY, OUTSIDE PD, BOMB DOGS

\$38,478

REDEMPTION / MISC:

KIDS AREA, SIGNAGE,
CREDENTIALS, FOOD/BEVERAGE
REDEMPTION - VIP

\$36,795

CREDIT CARD FEES:

\$1,829

4-YEAR COMPARISON

2023

\$(332,272)

\$110,447

\$442,719

\$145,000

76%

\$531,809

83%

2022

\$(303,799)

\$81,442

\$385,241

2021

\$(308,195)

\$99,458

\$407,653

2019

\$(313,485)

\$144,471

\$457,956

ECONOMIC IMPACT



Number of Tickets Sold:	35000
Price per Ticket:	\$ -
Direct Ticket Spending:	\$ -
Number of Attendees:	11000
Percent from outside community:	94%
Total Outside Attendees:	10340
Average Number of Days Attended:	1
Average Number of Nights in Market:	1
Percent of Attendees Staying at Commercial Lodging:	68%
Average Nightly Lodging Cost:	\$ 100.00
Total Lodging Nights:	7480
Direct Lodging Spend:	\$ 748,000.00

Average Daily Spend on Food and Beverage:	\$ 20.00
Total Food and Beverage Spending:	\$ 220,000.00
Total Outside Food and Beverage Spending:	\$ 206,800.00
Average Daily Spending on Other:	\$ 15.00
Total Other Spending:	\$ 165,000.00
Total Outside Other Spending:	\$ 155,100.00
Ticket Sales, Outside:	\$ -

Total Direct Economic Impact: \$ 1,133,000.00





City Council (FY24)

2. a.

Meeting Date: 10/10/2023

Department: General Services

AGENDA CAPTION:

City Manager's Announcements

BACKGROUND:

The City Manager will make announcements of interest to the Town.

RECOMMENDATION:

Information only.

City Council (FY24)

2. b.

Meeting Date: 10/10/2023

Department: General Services

AGENDA CAPTION:

Employee Recognition

BACKGROUND:

The City Manager will recognize an employee for his/her service to the Town.

RECOMMENDATION:

Information only.

City Council (FY24)

4. a.

Meeting Date: 10/10/2023

Department: City Secretary

AGENDA CAPTION:

Consider Action on the Minutes from the September 26, 2023 City Council Meeting.

BACKGROUND:

The minutes for the September 26, 2023 City Council Meeting have been prepared for consideration.

RECOMMENDATION:

Administration recommends approval.

Attachments

Minutes - September 26, 2023

DRAFT

OFFICIAL ACTIONS OF THE ADDISON CITY COUNCIL

September 26, 2023

Addison Conference Center
15650 Addison Road, Addison, TX 75001
6:00 p.m. Executive Session & Work Session
7:30 p.m. Regular Meeting

Present: Mayor Bruce Arfsten; Mayor Pro-Tempore Eileen Resnik; Deputy Mayor Pro-Tempore Guillermo Quintanilla; Council Member Nancy Craig; Council Member Darren Gardner; Council Member Dan Liscio; Council Member Marlin Willesen

WORK SESSION

The Addison City Council will convene in the Council Chambers beginning at 6:00 PM.

1. **Call Meeting to Order and Announce that a Quorum is Present.**

Mayor Arfsten announced a quorum and called the meeting to order at 6:00 PM.

2. **Citizen Comments on the Consent Agenda Items.** *This item allows citizens to speak on any item listed on the Consent Agenda prior to its consideration. Citizen comments are limited to three (3) minutes, unless otherwise required by law. To address the Council, please fill out a City Council Appearance Card and submit it to a staff member prior to the beginning of this item.*

3. **Council Member Clarification Requests Regarding Consent Agenda Items.**

4. **Council Questions and Answers.**

5. **Closed Meeting.** The Addison City Council will enter a Closed Meeting pursuant to Texas Government Code Sections 551-071 through 090 to discuss the following item(s):
- Section 551.071(1)(A). Consultations with Attorney to seek advice of attorney about pending or contemplated litigation.
 - White Rock Chapel

Mayor Arfsten closed the meeting at 6:06 pm to convene the City Council into Closed Session.

6. **Open Meeting.** In accordance with Texas Government Code Chapter 551, the Addison City Council will reconvene in an Open Meeting to consider action, if any, on the matters discussed in the Closed Meeting.

Mayor Arfsten reconvened the City Council into open session at 6:35 pm. There is no action to be taken as a result of Closed Session.

7. **Work Session Reports**

- a. **Present and discuss the format for the Town Meeting on October 30, 2023.** *[Marketing & Communications Director Mary Rosenbleeth]*

Town Meetings are held twice a year in the spring and fall. This year, the fall meeting is scheduled for October 30 at 7:00 pm at the Addison Conference Center. The following topics were requested:

Mayor Arfsten: Welcome – how to stay informed, recognition of volunteers, budget.

Mayor Pro-Tempore Resnik: Airport

Deputy Mayor Pro-Tempore Guillermo Quintanilla: Road Construction Update

Council Member Nancy Craig: Economic Development

Council Member Darren Gardner: Comprehensive Plan

Council Member Dan Liscio: Parks & Recreation

Council Member Marlin Willesen: Addison Area Schools

COUNCIL MEETING

The Addison City Council will convene for a Council Meeting beginning at 7:30 PM in the Council Chambers. Mayor Arfsten convened the Council Meeting at 7:30 pm in the Council Chambers.

1. **Pledge of Allegiance.** United States and Texas Flags
2. **Proclamations / Presentations**
 - a. City Manager's Announcements
 - b. Employee Recognition
 - The City Manager introduced Latesha DeJua, Human Resources Director, and Wayne Emerson, Economic Development Director.
 - c. **Proclamation:** Recognize September as National Food Safety Awareness month and present the 2023 Addison Foodservice Safety and Sanitation Awards.
 - d. **Proclamation:** Recognize October 5, 2023 as World Teachers' Day and show support for the #TeachersCan movement.
3. **Public Comment.** *The City Council invites citizens to address the City Council on any matter, including items on the agenda, except public hearings that are included on the agenda. Comments related to Public Hearings will be heard when the specific hearing starts. Citizen comments are limited to three (3) minutes, unless otherwise required by law. To address the Council, please fill out a City Council Appearance Card and submit it to a staff member prior to the Public Comment item on the agenda. The Council is not permitted*

to take any action or discuss any item not listed on the agenda. The Council may choose to place the item on a future agenda.

4. **Consent Agenda.** All items listed under the Consent Agenda are considered routine by the City Council and will be enacted by one motion with no individual consideration. If individual consideration of an item is requested, it will be pulled from the Consent Agenda and discussed separately.
 - a. **Consider Action on the Minutes from the September 12, 2023 City Council Meeting.**
 - b. **Resolution No. R23-075: Consider action on a Resolution approving a construction services agreement with APR Group, Inc. (APR) for Addison Athletic Club Fitness Wing Wall Treatments- Greenscreen Installation and authorizing the City Manager to execute the agreement in an amount not to exceed \$178,894.**
 - c. **Resolution No. R23-076: Consider action on a Resolution approving a Professional Services Agreement (PSA) between the Town of Addison and Cobb Fendley & Associates, Inc. (Cobb Fendley) to provide supplemental staff support for the management of design and construction projects and authorizing the City Manager to execute the agreement in an amount not to exceed \$466,000.**

MOTION: Deputy Mayor Pro-Tempore Quintanilla moved to approve CONSENT AGENDA 4(a), (b), and (c) as presented. Council Member Gardner seconded the motion. Motion carried unanimously.

5. **Items for Individual Consideration.**

- a. **Ordinance No. O23-46: Present, discuss, and consider action on an Ordinance to amend the Town's annual budget for the fiscal year ending September 30, 2023.** [CFO Steven Glickman]

The Fiscal Year (FY) 2023 budget was adopted by the Council on September 13, 2022. This is the second amendment to the FY2023 Town of Addison annual budget.

Each year, the Finance Department reviews the budget to determine which items should be recognized with formal budget amendments. When budget variances occur that are outside of the authority of the City Manager, these adjustments are presented to the Council in the form of a budget amendment. Major items include:

General Fund: Allocate \$741,000, offset by an equal increase in Sales Tax, from the General Fund for the following:

- \$400,000 in the General Services Department to transfer to the Facility Maintenance Fund (\$250,000) and personnel costs (\$150,000, offset by decreases in the personnel costs in the City Manager's Office of \$100,000 and the IT Department of \$50,000).
- \$50,000 in the Finance Department for personnel costs offset by decreases in personnel costs in the IT department of \$50,000.

- \$251,000 in the Streets Department for Street Maintenance (\$115,000) and prior year encumbrances for Street Lighting (\$136,000).
- \$240,000 in the Parks Department for prior year encumbrances to replace a damaged bus shelter damaged by a motorist (\$40,000) and water purchases due to the hot and dry summer (\$200,000).

Additionally, this budget amendment authorizes the City Manager to transfer unexpended appropriations and excess revenue from the Fiscal Year 2022-2023 budget to the Self-Funded Special Projects Fund. The amount of this transfer (if applicable) will be known in late November 2023 after the Town has recorded all revenues and expenditures for Fiscal Year 2022-2023. The Fiscal Year 2022-2023 estimate included in the Fiscal Year 2023-2024 budget included an estimated transfer amount of \$1,900,000.

Capital Projects Fund: An amendment is needed in the Capital Projects Fund to allocate \$7,719,906 for prior year encumbrances from the 2013 Stormwater Certificates of Obligation, the 2012 General Obligation/Certificates of Obligation Fund, and the 2021 General Obligation Bond Fund.

Self-Funded Special Projects Fund: An amendment is needed in the Self-Funded Projects Fund to allocate \$694,500 for prior year encumbrances for Oncor transformer relocations at the Police Department (\$130,000), Wheeler Bridge painting (\$35,000), Vitruvian Park Fitness Court (\$235,000), traffic signal design (\$85,000), pavement condition assessment services (\$82,500), fire station bay door grill gates (\$87,000), and a forklift (\$40,000).

Utility Fund: An additional appropriation of \$250,000 is needed in the Utility Fund to provide funding for higher than anticipated wholesale water purchases (\$250,000) due to a hotter and dryer spring and summer than anticipated. These additional appropriations are offset by the corresponding increased water sales revenue of \$250,000 due to a hotter and dryer spring and summer than anticipated, resulting in a net impact on the Utility Fund of \$0.

Fund	Impact on Budgeted Expenditures	Impact on Budgeted Revenues	Impact on Fund Balance
General Fund	\$741,000	\$741,000	\$0
Capital Projects Fund	\$7,719,906	\$0	(\$7,719,906)
Utility Fund	\$250,000	\$250,000	\$0
Self-Funded Special Projects Fund	\$694,500	\$0	(\$694,500)
Total	\$9,405,406	\$991,000	(\$8,414,406)

MOTION: Mayor Pro-Tempore Resnik moved to approve an ordinance amending the Town’s annual budget for fiscal year ending September 30, 2023. Council Member Craig seconded the motion. Motion carried unanimously.

- b. **Present, discuss, and consider action on the first reading of an Ordinance extending the existing franchise between the Town and Atmos Energy Corporation.** *[CFO Steven Glickman]*

Atmos Energy utilizes Town-owned rights-of-way to deliver, transport, and distribute gas in, out of, and through the Town to their customers, including the public in the Town. The existing franchise agreement was originally approved in 2003 and is set to expire by the end of 2023. The proposed franchise agreement extension would extend the agreement from 2024 through 2043. Article VI, Section 6.02 of the Town's code of ordinances requires all ordinances granting, amending, renewing, or extending franchises for public utilities to be read at two separate regular meetings of the City Council. The second reading and final consideration of the ordinance is required to occur at least thirty days after the first reading, during which time the full text of the ordinance is to be published once a week for four consecutive weeks in the Dallas Morning News. Staff anticipates the second reading and final passage of the Ordinance to occur at the November 14, 2023 Council meeting with an effective date of January 1, 2024.

MOTION: Council Member Willeesen moved to approve the first reading of an ordinance extending the Atmos Energy Corporation franchise. Mayor Pro-Tempore Resnik seconded the motion. Motion carried unanimously.

c. **RESOLUTION NO. R23-077: Present, discuss, and consider action on a Resolution for appointments to the Comprehensive Plan Advisory Committee (CPAC).**

[Comprehensive Planning Manager Jade Broadnax]

At the August 22, 2023 City Council meeting, the City Council approved a Professional Services Agreement with the selected planning consultant, Verdunity, to execute a scope of services for the Comprehensive Plan update. The scope reflects a robust and highly engaging planning effort that will help the Town address key policy issues related to:

- Growth And Redevelopment
- Housing
- Infrastructure and Mobility
- Social Amenities
- Fiscal Sustainability

This plan will include formal and informal community engagement events, individual interviews, and focus groups, as well as web-based engagement mechanisms that allow residents to engage in the process at their own convenience. To support this planning process, the City Council will appoint an Advisory Committee of up to 25 members. This committee will serve as a sounding board for staff and the consultant as they develop the new comprehensive plan. It will include:

- One (1) Planning and Zoning Commission member – selected by the P & Z Chairman.
- Twenty-One (21) resident/business community members – 3 selections for each Council member (requires one business community member selection per Council member).
- Three (3) legacy members (residents with a long history of service to the Town who can share context on how the Town has evolved) – selected by collective decision of the Council.

Staff has solicited applications through promotion on the Town website, Facebook, Instagram, Next Door, the Town newsletter, and business newsletter, and through targeted outreach to key

stakeholder groups. The application process concluded on Monday, September 18. In total, the Town received 54 applications, comprising 37 resident applicants and 17 business community applicants. When considering committee appointments, staff recommends that the City Council takes into consideration the following selection attributes, where feasible:

- **Location:** Selected committee members should reflect representation for each geographic region of the Town.
- **Demographics:** Selected committee members should reflect Addison's diverse demographics and should be inclusive of key demographics that are less frequently represented on Town advisory committees. Young professionals and renters comprise a large segment of Addison's resident population and workforce, and it is important for those groups to be represented in this long-range planning process.
- **Experience:** Selected committee members should reflect a broad range of professional and life experiences, reflecting the varied interests that comprise Addison's resident and business community.
- **Perspective:** Selected committee members should be inclusive of varied perspectives on the future of Addison. The committee would be well-served to accommodate divergent perspectives on key policy issues that the Town must address.
- **Availability:** Selected committee members should be able to commit to participation throughout the process. This includes both attending and preparing for CPAC meetings.
- **Compatibility:** Selected committee members should demonstrate capacity and commitment to work collaboratively with other committee members, Town staff, and the planning consultant. Members that are not able to communicate effectively and professionally can be detrimental to the effectiveness of committees like this.

At the September 19th Planning and Zoning Commission meeting, the Commission Chair appointed Vice Chair Denise Fansler to represent the Commission on the CPAC. With this item, staff requests that City Council make the 24 remaining appointments to the CPAC.

Appointments are as follows:

APPOINTED BY	Citizen	Citizen	Business
Mayor Arfsten	Kris Brown	Liz Oliphant	Conrad Ornstein
Mayor Pro-Tempore Resnik	Joseph Hornisher	Tyler Sommers	Taylor Bowen
Deputy Mayor Pro-Tempore Quintanilla	Aaron J. Benjamin	Tyler Wright	Abigail Stoddart
Council Member Craig	Kathryn Eriksen	Susan Halpern	Britton Wells
Council Member Gardner	Kathryn Wheeler	Jim Decuir	Patrick Arnzen
Council Member Liscio	Carol Rennesund	Jim Peck	Kris Hannon
Council Member Willesen	Al Cioffi	David Collins	Mark Godfrey
APPOINTED BY	Citizen	Citizen	Citizen
Legacy	Al Angell	Tom Braun	Jim Duffy
Planning & Zoning Commission	Denise Fansler		

MOTION: Mayor Pro-Tempore Resnik moved to approve Resolution appointing members to the

Comprehensive Plan Advisory Committee. Deputy Mayor Pro-Tempore Quintanilla seconded the motion. Motion carried unanimously.

6. **Items of Community Interest.** *The City Council will have this opportunity to address items of community interest, including: expressions of thanks, congratulations, or condolence; information regarding holiday schedules; an honorary or salutary recognition; a reminder about an upcoming event organized or sponsored by the Town of Addison; information regarding a social, ceremonial, or community event that was or will be attended by an Addison City Council member or an official; and, announcements involving an eminent threat to public health and safety in Addison that has arisen since posting this agenda.*

7. **Adjourn Meeting.**

There being no further business to come before the City Council, Mayor Arfsten adjourned the meeting at 8:21 PM.

TOWN OF ADDISON, TEXAS

Bruce Arfsten, Mayor

ATTEST:

Irma G. Parker, City Secretary

City Council (FY24)

4. b.

Meeting Date: 10/10/2023

Department: Public Works

Pillars: Excellence in Asset Management

Milestones: Implement the Asset Management Plan in accordance with the Asset Management Policy, utilizing information systems

AGENDA CAPTION:

Consider action on the purchase of water meters from Thirkettle Corporation (d/b/a Aqua-Metric Sales Company, Inc.) through HGACBuy and authorize the City Manager to execute the Purchase Order in an amount not to exceed \$165,000.

BACKGROUND:

The purpose of this item is to purchase water Sensus branded meters from Aqua-Metric through HGACBuy in an amount not to exceed \$165,000.

Sensus meters are the Town's standard because they ensure ease of maintenance and compatibility with the existing meter reading systems. The Town selected Sensus Metering Systems through a procurement process for handheld meter reading equipment and software in February 2009.

Annually, the Public Works and Engineering Services Department purchases water meters of various sizes to replace aging and nonworking meters throughout the Town.

These items will be purchased through HGACBuy, a nationwide government procurement service that meets the State's procurement requirements. This purchase is budgeted in the Fiscal Year 2024 Utility Fund budget.

RECOMMENDATION:

Administration recommends approval.

Attachments

Aqua Metric Unit Pricing Quote

July 18, 2023

Aqua-Metric Sales Company

16914 Alamo Parkway, Building 2 | Selma, TX 78154
 Phone: (210) 967-6300 | Facsimile: (210) 967-6305

Quote for: Town of Addison
 Attention: Shannon Hicks
 Address: 16801 Westgrove Drive
 City, State, ZIP: Addison, Texas 75001
 Phone: (972) 450-2849
 Email: shicks@addisontx.gov

Quantity	Description	HGAC Price	Town of Addison Price
	3/4" SL iPERL Meter TRPL 1000 USG - WM0925F	\$148.72	\$148.72
	1" iPERL Meter TRPL 1000 USG - WM0925F	\$230.77	\$230.77
	5/8 x 3/4 SR11 Meter TRPL 1000 USG - WM0925F	\$148.65	\$148.65
	3/4" SR11 Meter TRPL 1000 USG - WM0925F	\$190.46	\$190.46
	1" SR11 Meter TRPL 1000 USG - WM0925F	\$244.13	\$244.13
	1 1/2" OMNI R2 Meter TRPL 1000 USG - WM0925A	\$534.22	\$534.22
	2" OMNI R2 Meter TRPL 1000 USG - WM0925A	\$749.55	\$749.55
	1 1/2" OMNI T2 Turbo Meter TRPL 1000 USG - WM0925G	\$882.63	\$882.63
	2" OMNI T2 Turbo Meter TRPL 1000 USG - WM0925G	\$1,046.93	\$1,046.93
	3" OMNI T2 Turbo Meter TRPL 1000 USG - WM0925G	\$1,304.65	\$1,304.65
	4" OMNI T2 Turbo Meter TRPL 1000 USG - WM0925G	\$2,539.87	\$2,539.87
	6" OMNI T2 Turbo Meter TRPL 1000 USG - WM0925G	\$4,572.62	\$4,572.62
	1 1/2" OMNI C2 Compound Meter TRPL 1000 USG - WM0925G	\$1,289.74	\$1,289.75
	2" OMNI C2 Compound Meter TRPL 1000 USG - WM0925G	\$1,488.16	\$1,488.16
	3" OMNI C2 Compound Meter TRPL 1000 USG - WM0925G	\$1,885.01	\$1,885.01
	4" OMNI C2 Compound Meter TRPL 1000 USG - WM0925G	\$3,273.96	\$3,273.96
	6" OMNI C2 Compound Meter TRPL 1000 USG - WM0925G	\$5,655.00	\$5,655.00
	520M Single Port SmartPoint Radio Transmitter - WM0925A	\$168.42	\$168.42
	520M Dual Port SmartPoint Radio Transmitter - WM0925A	\$223.73	\$233.73

This quote for the product and services named above is subject to the following terms:

1. All quotes are subject to the Aqua-Metric Terms of Sale located on our website.
2. Quote is valid for 30 days. If modifications in materials, labor, or processing are required to meet new regulations, the pricing submitted herein is subject to immediate change.
3. Freight allowed on complete single orders exceeding \$20,000.00.
4. Net Thirty Days to Pay
5. Returned product may be subject to a 25% restocking fee.
6. Sales Tax and/or Freight charges are not included.
7. All meters quoted less touch-pad/housings.

City Council (FY24)

4. c.

Meeting Date: 10/10/2023

Department: Public Works

Pillars: Excellence in Asset Management
Excellence in Transportation Systems

Milestones: Implement the Asset Management Plan in accordance with the Asset Management Policy, utilizing information systems
Improve all modes of transportation with infrastructure in an acceptable condition and well maintained

AGENDA CAPTION:

Consider action on the purchase of an asphalt trailer from Kirby Smith Machinery, Inc. through BuyBoard for an amount not to exceed \$64,598.

BACKGROUND:

The purpose of this item is to approve the purchase of a new asphalt trailer from Kirby Smith Machinery through BuyBoard for an amount not to exceed \$64,598.

This item will be purchased through BuyBoard. This statewide collective purchasing agency bids out services and products for its members to provide the leverage needed to achieve better pricing on products, equipment, and services.

This trailer will allow maintenance crews to utilize hot mix asphalt to better patch roadways and improve crew efficiency. Details of the purchase can be found in the attached price quote.

This purchase was approved as a decision package as a part of the Fiscal Year 2024 budget process and is below the budgeted amount of \$75,000.

RECOMMENDATION:

Administration recommends approval.

Attachments

Asphalt Trailer Quote



9/15/2023

Quote #: cgylling-1773

Juan Gutierrez

City of Addison
16801 Westgrove Dr
Addison, TX 75001

Dear Juan Gutierrez:

We are pleased to quote the following for your consideration:

Falcon 4 Ton Recycler 2023 model w/ 0 hours, Unit # N.I.S., S/N Factory Order.

The following Factory and Dealer Options are included in the package:

- **Falcon 4 Ton Recycler**
- **30 gallon heated/insulated tack tank**
- **hoist with 12-volt winch**
- **document holder**
- **plate compactor basket (24"x24")**
- **Pour pot mounting bracket**
- **Rejuvenator Spray System - 5.5 HP Motor**
- **Rejuvenator spray system hose reel**

Sales Price: \$64,598.00

To be purchased through BuyBoard. Contract # 685-22

Contract price is \$71,776.00; less contract discount of 10% (-\$7,178.00)

New net selling price is \$64,598.00

We believe the equipment as quoted will exceed your expectations. On behalf of Kirby-Smith Machinery, Inc., thank you for the opportunity to quote you this package.

Sincerely,

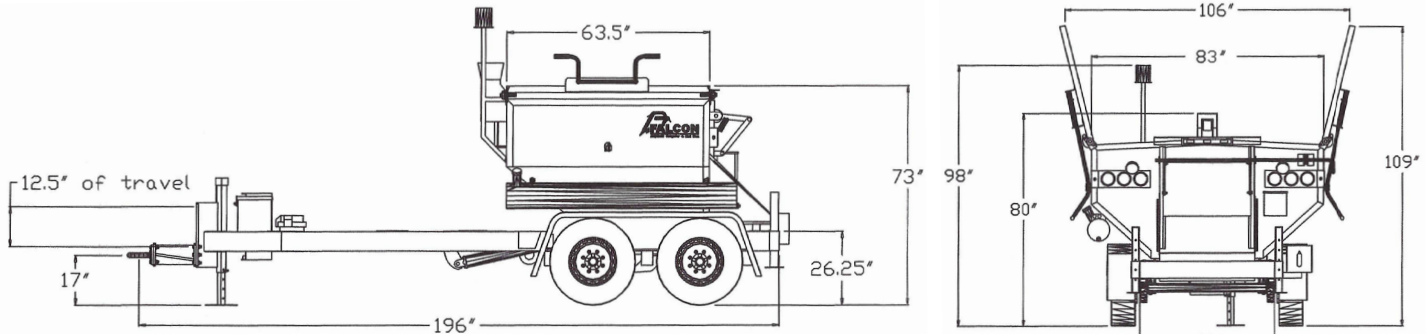
Chris Gylling

Chris Gylling
Governmental Sales Rep
Kirby-Smith Machinery, Inc.
Phone: 214-371-7777
Cell: 214-918-6849
Email: cgylling@kirby-smith.com

www.kirby-smith.com | 888-861-0219

Oklahoma City * Tulsa * McAlester * Dallas * Fort Worth * Abilene * Amarillo * Lubbock
Waco * Odessa * St. Louis * Kansas City

4 TON ASPHALT HOT BOX AND RECYCLER



Type	4 Ton Trailer
Capacity	8,000 lbs of material
Base Weight	4,340 lbs
Weight loaded with material	12,340lbs
GVWR	14,000 lbs
Fuel Source	Diesel
Fuel Capacity	15 gallons on dump box - 18 gallons on fixed trailer
Burner Type	105,000 BTU Diesel Beckett burner w/electronic spark ignition
Number of burners	1 or 2
Unloading door	Insulated guillotine, 18"Hx33" W
Loading doors	Manual 63"L x 41"W
Hopper opening	106" - doors open
Width	83"
Length	16'
Height	73"
Construction	Triple wall insulated – air jacketed
	10 gauge capping channel and corner molding
	Hopper floor 1/4" steel
	Wiring is external to hopper
Axles	Tandem slipper leaf spring
Tires	8-bolt wheels w/9x16" tires
Brakes	Electric brakes with safety breakaway
Hitch	2.5" pintle eye
Paint	Blasted and painted with two coats of epoxy primer and urethane finish
Frame	2"x6"x1/4" tubular steel frame with boxed-in and enclosed gussets
Asphalt repair areas	9'x9'x4" depth (80 potholes 1'x1'x4" depth)
Warranty	2 year machine warranty, 5 year maintenance free combustion chamber, lifetime frame warranty

Falcon Asphalt Repair Equipment

2600 W. Salzburg Rd
 Freeland, MI 48623
 sales@falconrme.com

Phone: (989) 495-9332
 Fax: (989) 495-9342
 www.falconrme.com

WWW.FALCONRME.COM



4 TON ASPHALT HOT BOX AND RECYCLER

STANDARD:

- Battery charger package
- Automatic temperature control
- VIP technology
- One piece ceramic combustion chamber (diesel)
- Diamond tread plate hopper access platform
- Heated shoveling platform
- 12 volt deep cycle batteries
- Conspicuity tape

OPTIONS:

- Hydraulic dump function
- Dual burner recycling package
- Hydraulic loading and unloading doors
- LED light upgrades including LED arrow board
- 30 gallon tack tank with spray system and hose reel
- Basket for mounting compactor
- Wash-down system
- 24-hour or 7-day timer
- Short frame - 14'
- XL frame - 18', 20'
- Electric overnight heat
- Hoist - manual or electric
- Tire upgrade
- Propane torch with bracket
- Other customizable options available

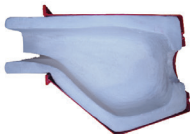
Falcon hot boxes and recyclers give you unparalleled **versatility**. You can **transport cold mix**, keeping it warm during the winter months and making it easier to work with; you can **transport hot mix and keep it hot all day**; and you can **hold hot mix overnight**, keeping it warm for up to 48 hours. You can also **reclaim unused hot mix**, eliminating the waste of good material, and you can **recycle asphalt chunks and millings**. All of this makes Falcon the most versatile machine you can buy for pavement preservation.

All Falcon machines are built with pride in Michigan and come with the following standard features: **patented heat management system** featuring a 5-year maintenance-free combustion chamber, **large unloading door** for easy access, **patented VIP system** to eliminate damage from low voltage, a **2-year machine warranty and lifetime frame warranty**, an emphasis on **curbside safety** and easy platform work surfaces, and a durable and **reliable dump system**.

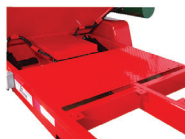
THE FALCON ADVANTAGE



Large Unloading Door For Easy Access



Patented Heat Management System



Platform For Safe, Easy Hopper Access



Patented VIP - Low Voltage Shutdown



Dump System - Pivot Point & V-Body



Lifetime Frame Warranty

Falcon Asphalt Repair Equipment

2600 W. Salzburg Rd
Freeland, MI 48623
sales@falconrme.com

Phone: (989) 495-9332
Fax: (989) 495-9342
www.falconrme.com

WWW.FALCONRME.COM

City Council (FY24)

4. d.

Meeting Date: 10/10/2023

Department: Public Works

Pillars: Excellence in Asset Management
Excellence in Transportation Systems

Milestones: Implement the Asset Management Plan in accordance with the Asset Management Policy, utilizing information systems

AGENDA CAPTION:

Consider action on the purchase of traffic signal system purchases from Paradigm Traffic Systems, Inc., through BuyBoard and authorize the City Manager to execute the purchase order in an amount not to exceed \$161,500.

BACKGROUND:

The purpose of this item is to approve the purchase of traffic signal system items through BuyBoard in an amount not to exceed \$161,500.

As part of the annual signal system maintenance program, the Streets Division of the Public Works and Engineering Department purchases replacement equipment such as signal controllers, signal lights, pedestrian crossing buttons, signal poles, and other components for the Town's 37 signalized intersections.

The Streets Division is replacing five of the traffic system's signal controllers because they have reached the end of their useful life, and replacement parts are unavailable. Each signalized intersection has vehicle detection to assist with the timing of the intersection. At two intersections, the vehicle detection will be upgraded to replace outdated equipment no longer supported. The Battery Backup Units at nine intersections will have batteries replaced. Finally, the purchase includes the renewal of the Centrac's Traffic Signal Software.

Item	Quantity	Cost
Econolite Cobalt Signal Controllers	5	\$17,750
Annual Centrac's Software Maintenance Agreement	1	\$8,750
Autoscope Video Detection	2	\$60,000
Centrac's Module 2.0 CCTV Annual Maintenance	1	\$5,000
Video Monitoring Derq System	1	\$30,000
Battery Backup Replacements	36	\$10,000
Miscellaneous Item Purchases Due to Unforeseen Issues		\$30,000
Total for All Purchases		\$161,500

These items and services will be purchased through BuyBoard. This state-wide collective purchasing agency bids out services and products for its members to provide the leverage needed to achieve better pricing on products, equipment, and services. This purchase is included in the Fiscal Year 2024 budget.

The attached price quote reflects the cost of the planned purchase items. The \$30,000 for unforeseen failures is included in this purchase for purchasing efficiency. These purchases are included in the Fiscal Year 2024 budget in the Streets Division of the Public Works and Engineering Department.

RECOMMENDATION:

Administration recommends approval.

Attachments

Paradigm BuyBoard Pricelist

<i>Part</i>	<i>Manufacturer</i>	<i>Description</i>	<i>QTY</i>	<i>Current BuyBoard Price</i>
BBUCABEMPTY	ALPHA TECHNOLOGIES	Empty BBU Cab. for Knock Down repl.	1	\$3,500.00
BBU Battery Back up Unit	ALPHA TECHNOLOGIES	Battery Back Up	1	\$6,800.00
BBU-RBMS	ALPHA TECHNOLOGIES	Battery Back Up w/Remote Monitoring	1	\$7,600.00
Powder Coat Cabinet (?)	ALPHA TECHNOLOGIES	Powder Coat Cabinet	1	\$900.00
RBMS - 0370260-002	ALPHA TECHNOLOGIES	Remote Battery monitoring system	1	\$830.00
0170023-101	ALPHA TECHNOLOGIES	HP 650,120V i/o,48VDC,SNMP	1	\$1,230.00
0170024-001	ALPHA TECHNOLOGIES	HP 1100,120V i/o w/TB& 5-15R,SNMP	1	\$1,500.00
0170022-001	ALPHA TECHNOLOGIES	HP 2000,120V i/o,48VDC,SNMP	1	\$1,960.00
870-604-21	ALPHA TECHNOLOGIES	AC Ln Cd,L5-30P,12AWG,5feet	1	\$70.00
740-696-27	ALPHA TECHNOLOGIES	I/P Ln Cd Assy,10ft,L5-30P,FXM Ser	1	\$85.00
740-697-21	ALPHA TECHNOLOGIES	Rack Mnt Kit,3 RU,FXM Series FXM 1100 &FXM2000 Only	1	\$30.00
870-599-10	ALPHA TECHNOLOGIES	Cbl,RS232 DE-9,St,M/F,6ft	1	\$69.00
740-698-21	ALPHA TECHNOLOGIES	Cvr Kit,I/O TB,I/P & O/P cvrs, FXM Ser	1	\$105.00
875-127-20	ALPHA TECHNOLOGIES	Wr Kt,2M,Trffc I/O,DOT,FXM1100/2000	1	\$14.00
870-601-21	ALPHA TECHNOLOGIES	Batt Cbl Y-Adapter, FXM	1	\$150.00
W03457	ALPHA TECHNOLOGIES	WA,Batt Temp Snsr,2M,FXM Ser	1	\$30.00
W03495	ALPHA TECHNOLOGIES	Batt Temp Snsr,3M,FXM Ser	1	\$35.00
740-730-22	ALPHA TECHNOLOGIES	Kit,FXM Comm Mod,Field Inst,FXM Ser	1	\$192.00
740-742-21	ALPHA TECHNOLOGIES	Interconn Assy,Novus 1000 to FXM1100	1	\$32.00
020-165-21	ALPHA TECHNOLOGIES	UATS,120V,30A	1	\$340.00
020-165-22	ALPHA TECHNOLOGIES	UATS,120V,30A,w/Aux Cntcts	1	\$400.00
740-756-21	ALPHA TECHNOLOGIES	Wall Mnt Kit-ATS/GTS MBP	1	\$50.00
020-168-23	ALPHA TECHNOLOGIES	Acsy Shlf w/UATS & UGTS, 120V	1	\$675.00
020-168-31	ALPHA TECHNOLOGIES	Acsy Shlf w/UATS & Filler Pl, 120V	1	\$445.00
020-168-35	ALPHA TECHNOLOGIES	Acsy Shlf w/UGTS & Filler Pl, 120V	1	\$360.00
020-168-38	ALPHA TECHNOLOGIES	Acsy Shlf w/UATS,w/23in Brkts	1	\$415.00
020-168-41	ALPHA TECHNOLOGIES	Acsy Shlf w/UATS w/MTS Conn Pl, RPA 120V	1	\$700.00
020-168-50	ALPHA TECHNOLOGIES	Acsy Shlf w/UATS>S w/AuxCntcts,120V	1	\$870.00
020-168-29	ALPHA TECHNOLOGIES	AcsyShlf w/UATS,Surge & Filler Pl,120V	1	\$876.00
561-294-10	ALPHA TECHNOLOGIES	Filter, 9.75" x 8.0 x .88 for BBU Door	1	\$98.00
740-628-27	ALPHA TECHNOLOGIES	BattHrnssKt,48V,8ft,1/4-20,DualShlf,FXM Used with 3rd party enclosures	1	\$215.00
740-678-28	ALPHA TECHNOLOGIES	Batt Hrnss Kt, 48V,5',#10-32Term, FXM Ser Used with 3rd party enclosures	1	\$310.00
740-628-29	ALPHA TECHNOLOGIES	WrHrnssKt,35ft,UPS-Batt, w/GryFD&TempPrb	1	\$345.00
740-678-22	ALPHA TECHNOLOGIES	BattHrnss Kt,48V,5',1/4-20Term, FXM Ser	1	\$215.00
875-596-20	ALPHA TECHNOLOGIES	WrKt,BCK 4-Batt, Novus FXM1100,Trfc,6ft	1	\$125.00
012-306-21	ALPHA TECHNOLOGIES	AlphaGuard, Battery Charge Mgmt for 1 string of 48 VDC batt 48V	1	\$160.00
PDG7777	ALPHA TECHNOLOGIES	Battery Tester/Analyzer Variable cost Item	1	\$10,000.00
189-053-10	ALPHA TECHNOLOGIES	Batt Tstr,DuraProbe,RplmntTip,4xGld-Pltd	1	\$120.00
7400124	ALPHA TECHNOLOGIES	Dry Contact board for all Sentra and Continuity Series	1	\$157.00
7400122	ALPHA TECHNOLOGIES	Rack Mount Rail Kit for all Sentra and Continuity Series	1	\$93.00
0170021-010 (Traffic Mini 1000)	ALPHA TECHNOLOGIES	Battery Back Up	1	\$3,800.00
1810226 100XTV	ALPHA TECHNOLOGIES	Battery for Mini 1000 56Ah	1	\$215.00
1810228 195XTV	ALPHA TECHNOLOGIES	Renewal Energy Battery 100AH	1	\$275.00
1810229 240XTV	ALPHA TECHNOLOGIES	Renewal Energy Battery 112AH	1	\$315.00
FTWSSFA	APPLIED INFORMATION	Ft. Worth School Flasher assembly with clock, DFB, ped pole assembly, screw-in anchor, and solar assembly	1	\$15,000.00
COSASSFA	APPLIED INFORMATION	City of San Antonio School Flasher assembly with clock, ped pole assembly, screw-in anchor, and solar assembly	1	\$15,000.00
HCSSFA	APPLIED INFORMATION	Harris County School Flasher assembly with clock, ped pole assembly, screw-in anchor and solar assembly	1	\$15,000.00
NON-SPECSSFA	APPLIED INFORMATION	Non-Specific Location- Solar School Zone Flasher Assembly w/ Screw-in anchor	1	\$15,000.00

AI-500-022	APPLIED INFORMATION	Street Light Monitoring Device	1	\$1,200.00
Street Light Circuit Monitoring System	APPLIED INFORMATION	Street Light Circuit Monitoring System	1	\$6,000.00
AI-500-030-LPM-5YR	APPLIED INFORMATION	Low Power Monitoring Device with Glance and 5 Year Communications and Support	1	\$1,160.00
AI-500-030-LPM-10YR	APPLIED INFORMATION	Low Power Monitoring Device with Glance and 10 Year Communications and Support	1	\$2,160.00
AI-500-065	APPLIED INFORMATION	AI-500-065 - Preempt/Priority In-vehicle	1	\$7,500.00
AI-500-065-02	APPLIED INFORMATION	Public Transit Vehicle Device	1	\$7,500.00
AI-500-068	APPLIED INFORMATION	Gate Opener	1	\$5,700.00
AI-500-070	APPLIED INFORMATION	AI-500-070 -Time Switch with Cell Modum	1	\$850.00
AI-500-070B	APPLIED INFORMATION	AI-500-070B -Time Switch with Cell Modum-Carmanah Only	1	\$850.00
AI-500-070C	APPLIED INFORMATION	AI-500-070C -Time Switch with Cell Modum-Knockdown det.	1	\$850.00
AI-500-085	APPLIED INFORMATION	AI-500-085 - FMU, Cellular and 900MHz Radio	1	\$1,900.00
AI-500-085-02	APPLIED INFORMATION	AI-500-085-02 - FMU, 4G Video, 4 port Ethernet Switch	1	\$2,350.00
AI-500-085-03	APPLIED INFORMATION	AI-500-085-02 - FMU, Small Form Factor	1	\$2,350.00
AI-500-085-04	APPLIED INFORMATION	AI-500-085-02 - FMU, 4G Video, 4 port Enet Switch, Small Form Factor	1	\$2,350.00
AT-PT-02	APPLIED INFORMATION	High Gain Antenna Kit	1	\$255.00
AT-PT-03	APPLIED INFORMATION	Door Switch 046-70207621	1	\$12.00
AT-PT-04	APPLIED INFORMATION	AI Programming Cable	1	\$75.00
AT-PT-05	APPLIED INFORMATION	Spare combined Cell & GPS Antenna - 4779	1	\$120.00
AT-PT-06	APPLIED INFORMATION	RTC or ELTEC School Beacon Retrofit Kit	1	\$40.00
AT-PT-07	APPLIED INFORMATION	Glance one time subscription, per device	1	\$565.00
AT-PT-08	APPLIED INFORMATION	Configuration charge, per device	1	\$47.00
School Beacon, PCSS, and RRFB Monitoring				
AI-PT-10A	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 2yr plan	1	\$555.00
AI-PT-10B	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 3yr plan	1	\$800.00
AI-PT-10C	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 4yr plan	1	\$1,037.00
AI-PT-10D	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 5yr plan	1	\$1,260.00
AI-PT-10E	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 10yr plan	1	\$1,860.00
Preemption & Priority Systems (cabinet & vechicles)- includes passthrough(limited*central system polling)excludes video				
AI-PT-11A	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 2yr plan	1	\$895.00
AI-PT-11B	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 3yr plan	1	\$1,350.00
AI-PT-11C	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 4yr plan	1	\$1,810.00
AI-PT-11D	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 5yr plan	1	\$2,200.00
AI-PT-11E	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 10yr plan	1	\$3,400.00
Preemption & Priority Systems with limited Video Streaming on demand through Glance (Cabinet) includes preempt, passthrough				
AI-PT-12A	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 2yr plan	1	\$1,790.00
AI-PT-12B	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 3yr plan	1	\$2,640.00
AI-PT-12C	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 4yr plan	1	\$3,610.00
AI-PT-12D	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 5yr plan	1	\$4,420.00
AI-PT-12E	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 10yr plan	1	\$6,800.00
Support Service Plan for Devices with Fiber Communications School Beacon & PCSS Monitoring				
AI-PT-13A	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 2yr plan	1	\$277.00
AI-PT-13B	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 3yr plan	1	\$400.00
AI-PT-13C	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 4yr plan	1	\$518.00
AI-PT-13D	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 5yr plan	1	\$630.00
AI-PT-13E	APPLIED INFORMATION	School Beacon and PCSS Monitoring - 10yr plan	1	\$928.00
Support Service Plan for Devices with Fiber Communications- Preemption and Priority Systems(cabinet)				
AI-PT-14A	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 2yr plan	1	\$905.00
AI-PT-14B	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 3yr plan	1	\$1,350.00
AI-PT-14C	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 4yr plan	1	\$1,810.00
AI-PT-14D	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 5yr plan	1	\$2,200.00
AI-PT-14E	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 10yr plan	1	\$3,390.00

Connectivity and Support Plan				
Renewal for LPM Devices				
AI-PT-15A	APPLIED INFORMATION	Low Power Monitor (LPM) Renewal Only-5 Year Plan	1	\$1,125.00
AI-PT-15B	APPLIED INFORMATION	Preemption and Priority Systems Monitoring - 10 Year Plan	1	\$2,100.00
FCC Licenses Applications for C-V2X and/or DSRC licenses				
ALICENSEAPP	APPLIED INFORMATION	FCC License Application per City License	1	\$3,860.00
AC or DC Panel	APPLIED INFORMATION	AC or DC Panel	1	\$395.00
MARWIS	APPLIED INFORMATION	Weather Detection Device System	1	\$18,000.00
Solar DC Flasher	APPLIED INFORMATION	flasher for beacon system	1	\$39.00
Overheight System	APPLIED INFORMATION	Overheight System	1	\$30,000.00
Applied Information Upgrade	APPLIED INFORMATION	Upgrade	1	\$7,500.00
AI-500-075-PCSS	APPLIED INFORMATION	PCSS Controller	1	\$1,200.00
AI-900-022	APPLIED INFORMATION	PCSS Solar Sys. Assy.	1	\$1,700.00
AI-900-023	APPLIED INFORMATION	PCSS AC Assembly, AC Panel, and Circuit Breaker	1	\$1,340.00
AI-900-024	APPLIED INFORMATION	PCSS DMS Sign	1	\$950.00
AI-900-025	APPLIED INFORMATION	RRFB	1	\$618.00
AI-500-095	APPLIED INFORMATION	DSRC/ CV2X Kit (Connected Vehicle Applications)	1	\$3,400.00
AI-900-032	APPLIED INFORMATION	Knockdown Sensor	1	\$65.00
High Water Detection Sys w/ RWIS	APPLIED INFORMATION	High Water Detection & Reporting w/Snap Shot Camera Includes Rain gauge and Wind Speed Sensor	1	\$45,000.00
High Water Detection Sys	APPLIED INFORMATION	High Water Detection & Reporting w/Snap Shot Camera	1	\$25,000.00
A6001848X24TXDT	ARMORCAST	Quazite Breakaway Cabinet Base	1	\$1,150.00
813416	AXIS	Q6155-E Camera, HI PTZ Instant Laser Focus	1	\$4,365.00
685417	AXIS	T91G51 Wall Mount for Q6155-E Camera	1	\$338.00
71140	AXIS	T8061 Ethernet Surge Protector IP66	1	\$160.00
536925	AXIS	T8133 30W Midspan 100-240V AC	1	\$125.00
1010470	AXIS	T91B57 Pole Mount 100-410MM Alum, for pole dia. 4"-16"	1	\$190.00
881648	AXIS	T91L61 Wall & Pole Mount for AXIS PTZ/Multi Sensor Cameras	1	\$175.00
CAT 5 Ethernet Cable (1000')	Cable Guy	CAT 5 Ethernet Cable (1000')	1	\$315.00
CARMANAH R920-E RRFB for Crosswalks, R920-F RRFB for crosswalks				
Choose one from each section for a complete system				
Solar Engines				
R920-E solar engine	CARMANAH	R920-E solar engine Brushed Aluminum	1	\$2,200.00
R920-E solar engine with powder coat	CARMANAH	R920-E solar engine, with powder coat (Black-84304, Green-84305, Yellow-84306)	1	\$2,350.00
R920-F solar engine	CARMANAH	R920-F solar engine Brushed Aluminum	1	\$2,990.00
R920-F solar engine with powder coat	CARMANAH	R920-F solar engine, with powder coat (Black-84663, Green-84664, Yellow-84665)	1	\$3,190.00
R920-F HUB solar engine	CARMANAH	R920-F-HUB solar engine Brushed Aluminum	1	\$5,050.00
R920-F HUB solar engine with powder coat	CARMANAH	R920-F-HUB solar engine, with powder coat (Black-84670, Green-84671, Yellow-84672)	1	\$5,250.00
Solar Engine Mounts (1 required per system)				
Top of Pole Mount	CARMANAH	2 - 2.5" Square and 2.38 - 2.88" OD Round No Color	1	\$122.00
Top of Pole Mount W/ Powder Coat	CARMANAH	2 - 2.5" Square and 2.38 - 2.88" OD Round (Black-84516, Green-84517, Yellow-84518)	1	\$122.00
Top of Pole Mount	CARMANAH	3.5-4.5" OD Round No Color	1	\$135.00
Top of Pole Mount W/ Powder Coat	CARMANAH	3.5-4.5" OD Round (Black-89180, Green-89182, Yellow-89181)	1	\$135.00
Side of Pole Mount	CARMANAH	E-Series Only Brushed Aluminum	1	\$243.00
Side of Pole Mount W/ Powder Coat	CARMANAH	E-Series Only (Black-72520, Green-72521, Yellow-72522)	1	\$243.00
Batteries (2 Required per System)				
Standard Battery, 7AH	CARMANAH	Standard Battery, 7AH., E series Only - 67620	1	\$51.00
Standard Battery, 18AH	CARMANAH	Standard Battery, 18AH., F series Only - 37912	1	\$128.00
Light Bars (4 Max)				

Light Bar W/ Confirm Light & Mntg HW	CARMANAH	(Black-87668, Green-87669, Yellow-87670)	1	\$710.00
Light Bar Harness (1 Required per System)				
Light Bar Harness, 16' Standard	CARMANAH	78227	1	\$80.00
Light Bar Harness, 36'	CARMANAH	78850	1	\$112.00
Light Bar Harness, 75'	CARMANAH	78551	1	\$174.00
Push Buttons				
Polara Bulldog push Button	CARMANAH	(Black-68320, Green-68321, Yellow-68319)	1	\$182.00
Polara iNX audible push button	CARMANAH	9" x 12" sign and mount (Black-89068, Green-89069, Yellow-89070)	1	\$770.00
Campbell Guardian audible push button	CARMANAH	9" x 12" sign and mount, F Series Only (Black-84125, Yellow-84126)	1	\$1,320.00
Campbell Guardian Wave	CARMANAH	Non-Contact audible push button includes 9" x 12" sign and mount, F series only (Yellow-84126)	1	\$1,350.00
Push Button Harness (1 Required per System)				
Push button Harness, 16' Standard	CARMANAH	84390	1	\$80.00
Push button Harness, 36'	CARMANAH	84391	1	\$112.00
Push button Harness, 75'	CARMANAH	84392	1	\$174.00
iNX or Guardian audible push button harness, 16', F series	CARMANAH	89119	1	\$158.00
iNX or Guardian audible push button harness, 36', F series	CARMANAH	89120	1	\$271.00
iNX or Guardian audible push button harness, 75', F series	CARMANAH	89121	1	\$355.00
Push Button Harness (1 Required per System)				
Universal Polara Bulldog push button mount	CARMANAH	(Black-70029, Green-70030, Yellow-70028)	1	\$40.00
5" x 7" sign frame with push button mount, No Sign	CARMANAH	(Black-79553, Green-79554, Yellow-79555)	1	\$115.00
9" x 12" sign frame with push button mount, No Sign	CARMANAH	(Black-79556, Green-79557, Yellow-79558)	1	\$158.00
5" x 7" MUTCD Compliant push button sign, R10-25	CARMANAH	69981	1	\$47.00
9" x 12" MUTCD Compliant push button sign, R10-26	CARMANAH	69982	1	\$59.00
Connectivity, support, and battery plans (1 Required per StreetHub system)				
Connectivity, support, and battery plan, 1yr	CARMANAH	87899	1	\$380.00
Connectivity, support, and battery plan, 2yr	CARMANAH	87900	1	\$750.00
Connectivity, support, and battery plan, 3yr	CARMANAH	88038	1	\$1,000.00
Connectivity, support, and battery plan, 4yr	CARMANAH	88039	1	\$1,246.00
Connectivity, support, and battery plan, 5yr	CARMANAH	87901	1	\$1,487.00
SC315-G RRFB for crosswalks - Cabinets. Choose one form each section for a complete system				
SC315-G solar cabinet Brushed Aluminum	CARMANAH	84539	1	\$2,000.00
SC315-G solar cabinet, with powder coat	CARMANAH	(Black-84540, Green-84541, Yellow-84542)	1	\$2,210.00
SC315-G AC cabinet Brushed Aluminum	CARMANAH	84577	1	\$2,470.00
SC315-G AC cabinet, with powder coat	CARMANAH	(Black-84578, Green-84579, Yellow-84580)	1	\$2,680.00
SC315-G-HUB solar cabinet Brushed Aluminum	CARMANAH	88649	1	\$4,010.00
SC315-G-HUB solar cabinet with powder coat	CARMANAH	(Black-88650, Green-88651, Yellow-88652)	1	\$4,220.00
SC315-G-HUB AC cabinet Brushed Aluminum	CARMANAH	88665	1	\$4,490.00
SC315-G-HUB AC cabinet, with powder coat	CARMANAH	(Black-88666, Green-88667, Yellow-88668)	1	\$4,720.00
Rack mount controller, DC, wireless, Caltrans 19"	CARMANAH	83953 - No Antenna	1	\$2,380.00
Rack mount controller, AC, wireless, Caltrans 19"	CARMANAH	83773 - No Antenna	1	\$2,730.00
Batteries (1 required per solar system)				
Standard battery, 35 AH	CARMANAH	88055	1	\$226.00
Standard battery, 55 AH	CARMANAH	88026	1	\$308.00
Standard battery, 100 AH	CARMANAH	67842	1	\$402.00
Solar Panels (1 required per solar system)				
Solar Panel, 20W	CARMANAH	74441	1	\$120.00

Solar Panel, 50W	CARMANAH	74387	1	\$232.00
Solar Panel, 80W	CARMANAH	74334	1	\$355.00
Solar Panel Mounts (1 required per solar system)				
Top of Pole mount, 4.5 OD round, for 50W or 80W	CARMANAH	89334	1	\$370.00
Side of Pole mount, for 20W or 50W	CARMANAH	71857	1	\$270.00
Side of Pole mount, for 80W	CARMANAH	82800	1	\$270.00
Solar Panel Harness (1 required per solar system)				
Solar panel harness, MC4 to spade terminals, 8' standard	CARMANAH	84584	1	\$102.00
Solar panel harness, MC4 to spade terminals, 16'	CARMANAH	88154	1	\$190.00
Solar panel harness, MC4 to spade terminals, 36'	CARMANAH	84585	1	\$258.00
Solar panel harness, MC4 to spade terminals, 75'	CARMANAH	88155	1	\$350.00
Light Bars				
Light Bar with Confirmation Lights inc. mntg bracket	CARMANAH	(Black-87668, Green-87669, Yellow-87670)	1	\$710.00
Light Bar Harness (1 Required per System)				
Light Bar Harness, 16' Std	CARMANAH	78225	1	\$80.00
Light Bar Harness, 36' Std	CARMANAH	80041	1	\$112.00
Light Bar Harness, 75' Std	CARMANAH	80042	1	\$174.00
Push Buttons & Sensors				
Polara Bulldog push Button	CARMANAH	(Black-68320, Green-68321, Yellow-68319)	1	\$182.00
Polara iNX audible push button	CARMANAH	9" x 12" sign and mount (Black-89068, Green-89069, Yellow-89070)	1	\$772.00
Campbell Guardian audible push button , F series only(Black)	CARMANAH	includes 9" x 12" sign and mount (Black-84125, Yellow-84126)	1	\$1,320.00
Pedestrian Sensor, SmartWalk TX-S presence, includes 20' harness, 10-65' from pole and 10-12' mounting heigth	CARMANAH	81857	1	\$1,210.00
Pedestrian Sensor, SmartWalk TX-S presence, includes 20' harness, 0-2' from pole and 10-12' mounting heigth	CARMANAH	81858	1	\$1,210.00
Push Button Harness (1 Required per System)				
Push button Harness, 16' Standard	CARMANAH	84366	1	\$80.00
Push button Harness, 36'	CARMANAH	84367	1	\$112.00
Push button Harness, 75'	CARMANAH	84368	1	\$174.00
iNX or Guardian audible P/B harness, 16', F series only	CARMANAH	84507	1	\$158.00
iNX or Guardian audible P/B harness, 36', F series only	CARMANAH	84508	1	\$271.00
iNX or Guardian audible P/B harness, 75', F series only	CARMANAH	84509	1	\$355.00
Push Button Mounts and Signs (1 Required per Push Button)				
Universal Polara Bulldog push button mount	CARMANAH	(Black-70029, Green-70030, Yellow-70028)	1	\$40.00
5" x 7" sign frame with push button mount, sign not included	CARMANAH	(Black-79553, Green-79554, Yellow-79555)	1	\$115.00
9" x 12" sign frame with push button mount, sign not included	CARMANAH	(Black-79556, Green-79558, Yellow-79557)	1	\$158.00
5" x 7" MUTCD Compliant push button sign, R10-25	CARMANAH	White - 69981	1	\$47.00
9" x 12" MUTCD Compliant push button sign, R10-26	CARMANAH	White - 69982	1	\$59.00
Connectivity, support, and battery plans (1 Required per StreetHub system)				
Connectivity, support, and battery plan, 1yr	CARMANAH	87889	1	\$380.00
Connectivity, support, and battery plan, 2yr	CARMANAH	87900	1	\$750.00
Connectivity, support, and battery plan, 3yr	CARMANAH	88038	1	\$1,000.00
Connectivity, support, and battery plan, 4yr	CARMANAH	88039	1	\$1,246.00
Connectivity, support, and battery plan, 5yr	CARMANAH	87901	1	\$1,487.00

Overhead lighting upgrade for RRFB crosswalks. Choose one from each section for a complete system				
Beacon. Choose any R920- F,SC315-G AC, SC315-G Solar, or SC315-G-Hub solar system.				
Relay Kits(one required per system)				
Relay Kit for digital output, DC, 10 A max, R920-F only	CARMANAH	84678	1	\$318.00
Relay Kit for digital output, DC, 10 A max, SC315-G HUB solar only	CARMANAH	84597	1	\$275.00
Relay Kit for digital output, AC, 4 A max, SC315-G AC only	CARMANAH	84596	1	\$275.00
Fixtures (one or two depending on system)				
LED Light Fixture, Cree, DC, photocell receptacle	CARMANAH	89241	1	\$850.00
LED Light Fixture, Cree, AC, photocell receptacle, LED Driver	CARMANAH	89242	1	\$850.00
Photocontrols(one required per fixture)				
Photocell for LED light fixture, DC, for when photocell determines day/night	CARMANAH	87905	1	\$193.00
Photocell for LED light fixture, AC, for when photocell determines day/night	CARMANAH	89307	1	\$74.00
Fixture Mounts(1 required per fixture)				
Side--of-pole mount, direct arm, 9"	CARMANAH	89053	1	\$174.00
R247-E & R247-F 24 Hour Beacons and Signs R829-E & R829-F School Zone Beacons and Signs, R820-E & R820-F Crosswalk Beacons and Signs. Choose one from each section for a complete system				
SOLAR ENGINES				
R247-E solar engine Brushed Aluminum	CARMANAH	84291	1	\$1,960.00
R247-E solar engine, with powder coat	CARMANAH	(Black-84292, Green-84293, Yellow-84294)	1	\$2,160.00
R247-F solar engine Brushed Aluminum	CARMANAH	84674	1	\$2,780.00
R247-F solar engine, with powder coat	CARMANAH	(Black-84675, Green-84676, Yellow-84677)	1	\$2,980.00
R247-F-HUB solar engine Brushed Aluminum	CARMANAH	88681	1	\$4,790.00
R247-F-HUB solar engine, with powder coat	CARMANAH	(Black-88682, Green-88683, Yellow-88684)	1	\$4,990.00
R829-E solar engine Brushed Aluminum	CARMANAH	84287	1	\$1,955.00
R829-E solar engine, with powder coat	CARMANAH	(Black-84288, Green-84289, Yellow-84290)	1	\$2,155.00
R829-F solar engine Brushed Aluminum	CARMANAH	84670	1	\$2,780.00
R829-F solar engine, with powder coat	CARMANAH	(Black-84671, Green-84672, Yellow-84673)	1	\$2,980.00
R829-F-HUB solar engine Brushed Aluminum	CARMANAH	88677	1	\$4,760.00
R829-F-HUB solar engine, with powder coat	CARMANAH	(Black-88678, Green-88679, Yellow-88680)	1	\$4,960.00
R820-E solar engine, including wireless, Brushed Aluminum	CARMANAH	84283	1	\$2,170.00
R820-E solar engine, including wireless with powder coat	CARMANAH	(Black-84284, Green-84285, Yellow-84286)	1	\$2,370.00
R820-F solar engine, including wireless, Brushed Aluminum	CARMANAH	84666	1	\$3,020.00
R820-F solar engine, including wireless with powder coat	CARMANAH	(Black-84667, Green-84668, Yellow-84669)	1	\$3,220.00
R820-F-HUB solar engine Brushed Aluminum	CARMANAH	88673	1	\$5,010.00
R820-F-HUB solar engine, with powder coat	CARMANAH	(Black-84674, Green-84675, Yellow-84676)	1	\$5,210.00
Solar Engine Mounts- Solar engine integrated to the signal head 1 required per system				
Top of Pole Mount, 2 - 2.5" Square and 2.38 - 2.88" OD Round	CARMANAH	No Color-84872, Black-84516, Green-84517, Yellow-84518	1	\$122.00
Top of Pole Mount, 3.5-4.5" OD Round	CARMANAH	No Color-86328, Black-89180, Green-89181, Yellow-89182	1	\$135.00
Side of Pole Mount, E-Series Only	CARMANAH	No Color-78139, Black-72520, Green-72521, Yellow-72522	1	\$243.00
Square wood post mount	CARMANAH	69088	1	\$270.00
Solar Engine Mounts not integrated to the signal head/ mounted directly to the pole/LED enhanced sign 1 required per system				
Top of Pole Mount, 2 - 2.5" Square and 2.38 - 2.88" OD Round, no arms	CARMANAH	No Color-82872, Black-84516, Green-84517, Yellow-84518	1	\$122.00
Top of Pole Mount, 3.5-4.5" OD Round No Side Holes, No Arms	CARMANAH	No Color-86328, Black-89180, Green-89181, Yellow-89182	1	\$135.00

Top of Pole Mount, 4-4.5" OD Round, 2-Way slipfitter for single beacon, including arms (Black)	CARMANAH	Black-51021, Green-51022, Yellow-51023	1	\$445.00
Top of Pole Mount, 4-4.5" OD Round, 2-Way slipfitter for dual verticle beacons, including arms (Black)	CARMANAH	Black-51024, Green-51025, Yellow-51026	1	\$720.00
Top of Pole Mount, 4-4.5" OD Round, 2-Way slipfitter for dual Horizontal beacons, including arms	CARMANAH	Black-51018, Green-51019, Yellow-51020	1	\$720.00
Side of Pole Mount, E-Series Only Brushed Aluminum	CARMANAH	78139	1	\$243.00
Side of Pole Mount, E-Series Only	CARMANAH	Black-72520, Green-72521, Yellow-72523	1	\$243.00
Square wood post mount, no arms	CARMANAH	Black-84352, Green-84353, Yellow-84354	1	\$1,002.00
Batteries (2 Required per System)				
Standard Battery, 7AH., E series Only	CARMANAH	67620	1	\$51.00
Standard Battery, 18AH., F series Only	CARMANAH	37912	1	\$128.00
LED loads(4 max.; do not mix load types within a single system)				
LED Module, 12" Round, Red	CARMANAH	Red-84295, Yellow-84296	1	\$245.00
LED Module, 8" Round, Red	CARMANAH	Red-84297, Yellow-84298	1	\$210.00
If LED enhanced signs are required see sign pricing below				
Signal heads (1 required per LED module) Solar engine integrated to the signal head				
Poly signal head, visor, 12" + integrated stiffiing plates + octa nut kit	CARMANAH	Black-69061, Green-69062, Yellow-69063	1	\$210.00
Poly signal head, visor, 8" + integrated stiffiing plates + octa nut kit	CARMANAH	Black-69064, Green-69065, Yellow-69066	1	\$177.00
Aluminum signal head, visor, 12" + octa nut kit	CARMANAH	Black-84750, Green-84751, Yellow-84752	1	\$207.00
Signal heads (1 required per LED module) Solar engine Not integrated to the signal head				
Poly signal head, visor, 12"	CARMANAH	Black-47542, Green-49677, Yellow-49676	1	\$155.00
Poly signal head, visor, 8"	CARMANAH	Black-51000, Green-51082, Yellow-51083	1	\$128.00
Poly signal head, visor, 12" (Black)	CARMANAH	Black-49645, Green-83819, Yellow-83820	1	\$190.00
Signal head mounts (1 required per non-integrated signal head)				
Signal head mount kit, 2 arms and 2 hub plates	CARMANAH	Black-79347, Green-79349, Yellow-79348	1	\$287.00
LED enhanced sign mounts (1 required per enhanced sign)				
LED enhanced sign mount kit, banding to pole, not including banding	CARMANAH	88423	1	\$25.00
LED enhanced sign mount kit, through bolt to 2" square and wing channel	CARMANAH	88424	1	\$19.00
LED enhanced sign mount kit, through bolt to 2.5" square and 2.38-2.88 OD round	CARMANAH	88425	1	\$19.00
LED enhanced sign mount kit, u-bolt to 2.38" round, z-bar only	CARMANAH	88426	1	\$19.00
LED enhanced sign mount kit, u-bolt to 2.88" round, z-bar only	CARMANAH	88427	1	\$19.00
LED enhanced sign mount kit, u-bolt to 4-4.5" round, z-bar only	CARMANAH	88428	1	\$25.00
LED Harness(1 required per LED module or LED enhanced sign)				
LED Harness, 4'(std. for integrated signal head and LED enhanced sign)	CARMANAH	88636	1	\$12.50
LED Harness, 16'(std. for non-integrated signal head)	CARMANAH	84390	1	\$81.00
LED Harness, 36'	CARMANAH	84391	1	\$111.00
LED Harness, 75'	CARMANAH	84392	1	\$173.00
Push Buttons & Sensors(1 required per R820-E or R820-F system)				
Polara Bulldog push Button	CARMANAH	Black-68320, Green-68321, Yellow-68319	1	\$182.00
Polara iNX audible push button, 9" x 12" sign and mount	CARMANAH	Black-89068, Green-89069, Yellow-89070	1	\$772.00
Campbell Guardian audible push button includes 9" x 12" sign and mount, F series only	CARMANAH	Black-84125, Yellow-84126	1	\$1,320.00

Push Button Harness (1 Required per System)				
Push button Harness, 16' Standard	CARMANAH	84390	1	\$80.00
Push button Harness, 36'	CARMANAH	84391	1	\$112.00
Push button Harness, 75'	CARMANAH	84392	1	\$174.00
iNX or Guardian audible push button harness, 16', F series	CARMANAH	89119	1	\$158.00
iNX or Guardian audible push button harness, 36', F series	CARMANAH	89120	1	\$271.00
iNX or Guardian audible push button harness, 75', F series	CARMANAH	89121	1	\$355.00
Push Button Mounts and Signs (1 Required per Push Button)				
Universal Polara Bulldog push button mount	CARMANAH	Black-70029, Green-70030, Yellow-70028	1	\$40.00
5" x 7" sign frame with push button mount, sign not included	CARMANAH	Black-79553, Green-79554, Yellow-79555	1	\$115.00
9" x 12" sign frame with push button mount, sign not included	CARMANAH	Black-79556, Green-79557, Yellow-79558	1	\$158.00
5" x 7" MUTCD Compliant push button sign, R10-25	CARMANAH	White-69981	1	\$47.00
9" x 12" MUTCD Compliant push button sign, R10-26	CARMANAH	White-69982	1	\$59.00
Calendar components (for non- StreetHub R829-E or R829-F system) Connectivity, support, and battery plans (1 Required per StreetHub system)				
Calendar communication kit, 16' serial to USB harness-used with the calendar communication kit for programming inside solar engine or cabinet or the the harness can be routed down the pole	CARMANAH	82562	1	\$325.00
Calendar upload/override switch kit, housing, switch, 16' switch harness -used with the calendar communication kit for programming at the base of the pole.USB harnessfrom the communication kit is routed into this housing brushed, aluminum	CARMANAH	No Color-82563, Black-84345, Green-84347, Yellow-84346	1	\$450.00
Calendar programming kit and software, 32' USB extension harnesss -Windows operating system required for programming via computer- used with calendar communication kit + calendar upload kit	CARMANAH	84339	1	\$118.00
Calendar upload/override switch kit, housing, switch, 16' switch harness -used with the calendar communication kit for programming at the base of the pole.USB harnessfrom the communication kit is routed into this housing	CARMANAH	No Color-82563, Black-84345, Green-84347, Yellow-84346	1	\$450.00
Calendar programming kit and software, 32' USB extension harnesss -Windows operating system required for programming via computer- used with calendar communication kit + calendar upload kit	CARMANAH	84339	1	\$118.00
Upgrades(Optional)				
Override switch kit, housing, switch, 16' switch harness, for R247-E or R247-F	CARMANAH	No Color-82563, Black-84345, Green-84347, Yellow-84346	1	\$450.00
Wire-less add-on kit, opt. for R247-E, R247-F, R829-E, and R829-F, BUT required for R247-E and R247-F when used with R838 wireless beacon controller	CARMANAH	84399	1	\$223.00
Connectivity, support, and battery plans (1 Required per StreetHub system)				
Connectivity, support, and battery plan, 1yr	CARMANAH	87899	1	\$380.00
Connectivity, support, and battery plan, 2yr	CARMANAH	87900	1	\$750.00
Connectivity, support, and battery plan, 3yr	CARMANAH	88038	1	\$1,000.00
Connectivity, support, and battery plan, 4yr	CARMANAH	88039	1	\$1,246.00
Connectivity, support, and battery plan, 5yr	CARMANAH	87901	1	\$1,487.00

R247-G 24 Hour Beacons and Signs, R829-G School Zone Beacons and Signs, R820-G Crosswalk Beacons and Signs. Choose one from each section for a complete system				
SOLAR ENGINES				
R247-G solar engine Brushed Aluminum	CARMANAH	84535	1	\$1,850.00
R247-G solar engine, with powder coat	CARMANAH	Black-84536, Yellow-84538, Green-84537	1	\$2,050.00
R247-G AC cabinet, Brushed aluminum	CARMANAH	84573	1	\$2,320.00
R247-G AC cabinet, with powder coat	CARMANAH	Black-84574, Yellow-84576, Green-84575	1	\$2,520.00
R247-G-HUB solar engine Brushed Aluminum	CARMANAH	88645	1	\$3,890.00
R247-G-HUB solar engine, with powder coat	CARMANAH	Black-88646, Yellow-88648, Green-88647	1	\$4,090.00
R247-G-HUB AC cabinet, Brushed Aluminum	CARMANAH	88661	1	\$4,360.00
R247-G-HUB AC cabinet, with powder coat	CARMANAH	Black-88662, Yellow-88664, Green-88663	1	\$4,560.00
R829-G solar engine Brushed Aluminum	CARMANAH	84531	1	\$1,850.00
R829-G solar engine, with powder coat	CARMANAH	Black-88532, Yellow-88534, Green-88533	1	\$2,050.00
R829-G AC cabinet Brushed Aluminum	CARMANAH	84569	1	\$2,320.00
R829-G AC cabinet with powder coat	CARMANAH	Black-84570, Yellow-84572, Green-84571	1	\$2,520.00
R829-G-HUB solar engine Brushed Aluminum	CARMANAH	88641	1	\$3,890.00
R829-G-HUB solar engine, with powder coat	CARMANAH	Black-88642, Yellow-88644, Green-88643	1	\$4,090.00
R829-G-HUB AC cabinet Brushed Aluminum	CARMANAH	88657	1	\$4,360.00
R829-G-HUB AC cabinet, with powder coat	CARMANAH	Black-88658, Yellow-88660, Green-88659	1	\$4,560.00
R820-G solar engine, including wireless, Brushed Aluminum	CARMANAH	84527	1	\$2,010.00
R820-G solar engine, including wireless with powder coat	CARMANAH	Black-88528, Yellow-88530, Green-88529	1	\$2,210.00
R820-G AC cabinet, including wireless, Brushed Aluminum	CARMANAH	84565	1	\$2,480.00
R820-G AC cabinet, including wireless with powder coat	CARMANAH	Black-84566, Yellow-84568, Green-84567	1	\$2,680.00
R820-G-HUB solar engine Brushed Aluminum	CARMANAH	88637	1	\$4,020.00
R820-G-HUB solar engine, with powder coat	CARMANAH	Black-88638, Yellow-88640, Green-88639	1	\$4,220.00
R820-G-HUB AC cabinet, Brushed Aluminum	CARMANAH	88653	1	\$4,490.00
R820-G-HUB AC cabinet, with powder coat	CARMANAH	Black-88654, Yellow-88656, Green-88655	1	\$4,690.00
SC315-G/R247-G/R829-G solar controller, inc. wireless, Caltrans 19" rack mount	CARMANAH	83953	1	\$2,380.00
SC315-G/R247-G/R829-G AC controller, inc. wireless, Caltrans 19" rack mount	CARMANAH	83773	1	\$2,710.00
Batteries (1 required per solar system)				
Standard battery, 35 AH	CARMANAH	88055	1	\$226.00
Standard battery, 55 AH	CARMANAH	88026	1	\$308.00
Standard battery, 100 AH	CARMANAH	67842	1	\$402.00
Solar Panels (1 required per solar system)				
Solar Panel, 20W	CARMANAH	74441	1	\$120.00
Solar Panel, 50W	CARMANAH	74387	1	\$232.00
Solar Panel, 80W	CARMANAH	74334	1	\$355.00
Solar Panel Mounts (1 required per solar system)				
Top of Pole mount, 4.5 OD round, for 50W or 80W	CARMANAH	89334	1	\$370.00
Side of Pole mount, for 20W or 50W	CARMANAH	71857	1	\$270.00
Side of Pole mount, for 80W	CARMANAH	82800	1	\$270.00
Solar Panel Harness 1 required per solar system)				
Solar panel harness, MC4 to spade terminals, 8' standard	CARMANAH	84584	1	\$102.00
Solar panel harness, MC4 to spade terminals, 16'	CARMANAH	88154	1	\$190.00
Solar panel harness, MC4 to spade terminals, 36'	CARMANAH	84585	1	\$258.00
Solar panel harness, MC4 to spade terminals, 75'	CARMANAH	88155	1	\$350.00
LED loads(4 max.; do not mix lload types within a single system)				
LED Module, 12" Round	CARMANAH	Red-84295, Yellow-84296	1	\$245.00
LED Module, 8" Round, Red	CARMANAH	Red-84297, Yellow-84298	1	\$210.00

If LED enhanced signs are required see sign pricing below				
Signal heads(1 required per LED module) Solar engine Not integrated to the signal head		Black-79347, Yellow-79348, Green-79349		
Poly signal head, visor, 12"	CARMANAH	Black-47542, Yellow-49676, Green-49677	1	\$155.00
Poly signal head, visor, 8"	CARMANAH	Black-51000, Yellow-51083, Green-51082	1	\$128.00
Aluminum signal head, visor, 12"	CARMANAH	Black-49645, Yellow-83819, Green-83820	1	\$190.00
Signal head mounts (1 required per non-integrated signal head)				
Signal head mount kit, 2 arms and 2 hub plates	CARMANAH	Black-79347, Yellow-79348, Green-79349	1	\$290.00
LED enhanced sign mounts (1 req'd per LED enhanced sign)				
LED enhanced sign mount kit, banding to pole, not incl. banding	CARMANAH	88423	1	\$25.00
LED enhanced sign mount kit, through bolt to 2" square and wing channel	CARMANAH	88424	1	\$19.00
LED enhanced sign mount kit, through bolt to 2.5" square and 2.38 - 2.88" OD round	CARMANAH	88425	1	\$19.00
LED enhanced sign mount kit, u-bolt to 2.38" OD round, z-bar only	CARMANAH	88426	1	\$19.00
LED enhanced sign mount kit, u-bolt to 2.88" OD round, z-bar only	CARMANAH	88427	1	\$19.00
LED enhanced sign mount kit, u-bolt to 4 - 4.5" OD round, z-bar only	CARMANAH	88428	1	\$25.00
LED Harness (1 required per LED module or LED enhanced sign)				
LED Harness, 16'(std. for non-integrated signal head)	CARMANAH	84366	1	\$81.00
LED Harness, 36'	CARMANAH	84367	1	\$111.00
LED Harness, 75'	CARMANAH	84368	1	\$173.00
Push Buttons & Sensors (1 required per R820-G system)				
Polara Bulldog push Button	CARMANAH	Black-68320, Yellow-68319, Green-68321	1	\$182.00
Polara iNX audible push button, 9" x 12" sign and mount, Black	CARMANAH	Black-89068, Yellow-89070, Green-89069	1	\$772.00
Campbell Guardian audible push button includes 9" x 12" sign and mount, F series only	CARMANAH	Black-84125, Yellow-84126	1	\$1,320.00
Pedestrian Sensor, SmartWalk TX-S presence, includes 20' harness, 10-65' from pole and 10-12' mounting height	CARMANAH	81858	1	\$1,210.00
Pedestrian Sensor, SmartWalk TX-S presence, includes 20' harness, 0-2' from pole and 10-12' mounting height	CARMANAH	81857	1	\$1,210.00
Push Button Harness (1 Required per System)				
Push button Harness, 16' Standard	CARMANAH	84366	1	\$80.00
Push button Harness, 36'	CARMANAH	84367	1	\$112.00
Push button Harness, 75'	CARMANAH	84368	1	\$174.00
iNX or Guardian audible P/B harness, 16', F series only	CARMANAH	84511	1	\$158.00
iNX or Guardian audible P/B harness, 36', F series only	CARMANAH	84512	1	\$271.00
iNX or Guardian audible P/B harness, 75', F series only	CARMANAH	84513	1	\$355.00
Push Button Mounts and Signs (1 Required per Push Button)				
Universal Polara Bulldog push button mount	CARMANAH	Black-70029, Yellow-70028, Green-70030	1	\$40.00
5" x 7" sign frame with push button mount, sign not included	CARMANAH	Black-79553, Yellow-79555, Green-79554	1	\$115.00
9" x 12" sign frame with push button mount, sign not included(Black)	CARMANAH	Black-79556, Yellow-79558, Green-79557	1	\$158.00
5" x 7" MUTCD Compliant push button sign, R10-25	CARMANAH	White-69981	1	\$47.00
9" x 12" MUTCD Compliant push button sign, R10-26	CARMANAH	White-69982	1	\$59.00
Calendar components(for non- StreetHub R829-E or R829-F system)Connectivity, support, and battery plans (1 Required per StreetHub system)				
Calendar communication kit, 16' serial to USB harness-used with the calendar communication kit for programming inside solar engine or cabinet or the the harness can be routed down the pole	CARMANAH	82562	1	\$325.00

Calendar upload/override switch kit, housing, switch, 16' switch harness -used with the calendar communication kit for programming at the base of the pole.USB harnessfrom the communication kit is routed into this housing	CARMANAH	No Color-82563, Black-84345, Green-84347, Yellow-84346	1	\$450.00
Calendar programming kit and software, 32' USB extension harnesss -Windows operating system required for programming via computer- used with calendar communication kit + calendar upload kit	CARMANAH	84339	1	\$118.00
Upgrades(Optional)				
Override switch kit, housing, switch, 16' switch harness, for R247-E or R247-F	CARMANAH	No Color-82563, Black-84345, Green-84347, Yellow-84346	1	\$450.00
Wireless add-on kit, opt. for R247-E, R247-F, R829-E, and R829-F, BUT required for R247-E and R247-F when used with R838 wireless beacon controller	CARMANAH	84399	1	\$224.00
Radar detection kit, for R247-G	CARMANAH	89756	1	\$2,640.00
Radar detection programming kit, USB	CARMANAH	89376	1	\$156.00
Connectivity, support, and battery plans (1 Required per StreetHub system)				
Connectivity, support, and battery plan, 1yr	CARMANAH	87899	1	\$380.00
Connectivity, support, and battery plan, 2yr	CARMANAH	87900	1	\$750.00
Connectivity, support, and battery plan, 3yr	CARMANAH	88038	1	\$1,000.00
Connectivity, support, and battery plan, 4yr	CARMANAH	88039	1	\$1,246.00
Connectivity, support, and battery plan, 5yr	CARMANAH	87901	1	\$1,487.00
WW100 Wrong-Way 24-Hour Flashing Warning Sign. Choose one each section for a complete system				
Solar Engines				
WW100 Solar Engine	CARMANAH	No Color-84291	1	\$1,960.00
WW100 solar engine, with powder coat	CARMANAH	Black-84292	1	\$2,160.00
Solar Engine Mounts- Solar engine integrated to the signal head (1 required per system)				
Top of Pole Mount, 2 - 2.5" Square and 2.38 - 2.88" OD Round	CARMANAH	No Color-82872, Black-84516	1	\$122.00
Top of Pole Mount, 3.5 - 4.5" OD	CARMANAH	No Color-86328, Black-89180	1	\$135.00
Batteries (2 Required per System)				
Standard Battery, 7AH., E series Only	CARMANAH	67620	1	\$51.00
Signs or Beacon (1 required per system)				
LED enhanced sign, incl. mount, harnessing, R5-1a, 36" x 24"	CARMANAH	SA10001	1	\$735.00
LED enhanced sign, incl. mount, harnessing, R5-1a, 42" x 30"	CARMANAH	SA10002	1	\$1,010.00
1x red light bar, incl. mount, harnessing, static sign R5-1a, 36" x 24"	CARMANAH	SA10003	1	\$1,140.00
1x red light bar, incl. mount, harnessing, static sign R5-1a, 42" x 32"	CARMANAH	SA10004	1	\$1,190.00
2x red light bar, incl. mount, harnessing, static sign R5-1a, 36" x 24"	CARMANAH	SA10005	1	\$2,160.00
2x red light bar, incl. mount, harnessing, static sign R5-1a, 42" x 32"	CARMANAH	SA10006	1	\$2,200.00
Upgrades (1 opt. per system)				
Wireless Add-on kit, for flash synchronization and local wireless communication	CARMANAH	84399	1	\$224.00
WW200 Wrong-Way 24-Hour Flashing Warning Sign. Choose one each section for a complete system				
Solar Engines				
WW200 Solar Engine	CARMANAH	84291	1	\$1,960.00
WW200 solar engine, with powder coat(Black)	CARMANAH	84292	1	\$2,160.00

Solar Engine Mounts- Solar engine integrated to the signal head 1 required per system				
Top of Pole Mount, 2 - 2.5" Square and 2.38 - 2.88" OD Round	CARMANAH	No Color-82872, Black-84516	1	\$122.00
Top of Pole Mount, 3.5 - 4.5" OD	CARMANAH	No Color-86328, Black-89180	1	\$135.00
Batteries (2 Required per System)				
Standard Battery, 7AH., E series Only	CARMANAH	67620	1	\$51.00
DETECTION				
Radar Detection Kit, WW200	CARMANAH	89375	1	\$2,720.00
Upgrades (1 opt. per system)				
Wireless Add-on kit, for flash synchronization and local wireless communication	CARMANAH	84399	1	\$224.00
Radar Detection Programming Kit	CARMANAH	89376	1	\$160.00
WW400 Wrong-Way Vehicle Detection, Warning, and Alert System. Choose one each section for a complete system				
Detectors				
WW400D detector kit, 2x cameras, 1x radar, mounts, harnessing	CARMANAH	88982	1	\$46,500.00
Controllers (1 incl. per system)				
WW400D DC controller cabinet, pole mounted, wireless EMS for control of WW400S, Harnessing, configuration, and set-up software, 12vdc brushed aluminum	CARMANAH	88983	Incl.	
WW400D DC controller cabinet, pole mounted, wireless EMS for control of WW400S, Harnessing, configuration, and set-up software, 12vdc Powder Coat Black	CARMANAH	88984	Incl.	
WW400D AC controller cabinet, pole mounted, wireless EMS for control of WW400S, Harnessing, configuration, and set-up software, 100-240 vac Brushed Aluminum	CARMANAH	88987	Incl.	
WW400D AC controller cabinet, pole mounted, wireless EMS for control of WW400S, Harnessing, configuration, and set-up software, 100-240 vac Powder Coat Black	CARMANAH	88988	Incl.	
Communication (1 incl. per system)				
	CARMANAH	Ethernet network controller and communication software	Incl.	
Solar power kits (1 required per DC system, EBR Mandatory)				
SPA10001	CARMANAH	Solar Power Kit, Medium	1	\$13,000.00
SA10006	CARMANAH	Solar Power Kit, Large	1	\$18,000.00
Signs or Beacons on the WW400D detector pole (1 opt. per system)				
SA10001	CARMANAH	LED enhanced sign, incl. mount, harnessing, R5-1a, 36" x 24"	1	\$860.00
SA10002	CARMANAH	LED enhanced sign, incl. mount, harnessing, R5-1a, 42" x 30"	1	\$1,215.00
SA10003	CARMANAH	1x red light bar, incl. mount, harnessing, static sign R5-1a, 36" x 24"	1	\$1,425.00
SA10004	CARMANAH	1x red light bar, incl. mount, harnessing, static sign R5-1a, 42" x 30"	1	\$1,475.00
SA10005	CARMANAH	2x red light bar, incl. mount, harnessing, static sign R5-1a, 36" x 24"	1	\$2,690.00
SA10006	CARMANAH	2x red light bar, incl. mount, harnessing, static sign R5-1a, 42" x 30"	1	\$2,750.00
Remote signs or beacons NOT on the WW400D detector pole (1 opt. per system)				
RSA10001	CARMANAH	WW400S sign system, inc. solar engine, mounts, batteries, harnessing, wireless, LED enhanced sign R5-1a, 36" x 24"	1	\$3,915.00
RSA10002	CARMANAH	WW400S sign system, inc. solar engine, mounts, batteries, harnessing, wireless, LED enhanced sign R5-1a, 42" x 30"	1	\$4,275.00

RSA10003	CARMANAH	WW400S sign system, inc. solar engine, mounts, batteries, harnessing, wireless, 1x red light bar, static sign, R5-1a, 36" x 24"	1	\$4,565.00
RSA10004	CARMANAH	WW400S sign system, inc. solar engine, mounts, batteries, harnessing, wireless, 1x red light bar, static sign, R5-1a, 42" x 30"	1	\$4,615.00
RSA10005	CARMANAH	WW400S sign system, inc. solar engine, mounts, batteries, harnessing, wireless, 2x red light bar, static sign, R5-1a, 36" x 24"	1	\$5,865.00
RSA10006	CARMANAH	WW400S sign system, inc. solar engine, mounts, batteries, harnessing, wireless, 2x red light bar, static sign, R5-1a, 42" x 30"	1	\$5,940.00
R838 Wireless Beacon Controller (Choose 1 per system for a complete system)				
Controllers (1 incl. per system)				
R838 Wireless Beacon Controller, momentary button; including 100-240 vac power supply, auto power harness, digital input connector, antenna	CARMANAH	84219	1	\$3,280.00
R838 Wireless Beacon Controller, on-off button; including 100-240 vac power supply, auto power harness, digital input connector, antenna	CARMANAH	88099	1	\$3,280.00
Upgrades (1 opt. per system)				
Remote antenna kit, 35' RP-SMA antenna harness, connector sealing tape, antenna mounting bracket, NOT including antenna	CARMANAH	88179	1	\$240.00
Remote antenna kit, 35' RP-SMA antenna harness, connector sealing tape, NOT including antenna	CARMANAH	88180	1	\$184.00
		Choose any R247-E, 247-F, or 247-G systems with wireless add-on kits	1	
Components				
E & F Series				
Solar Panel Kit, E Series	CARMANAH	78250	1	\$192.00
Solar Panel Kit, F Series	CARMANAH	84827	1	\$280.00
Applied Information monitoring unit kit, including harness, mount, no monitoring unit, F series only	CARMANAH	84679	1	\$255.00
RTC time switch kit, including harness and mount, no time switch, F series only	CARMANAH	84680	1	\$255.00
Top of Pole Mount, 2-2.5" Square, Galvanized steel, E-Series Only	CARMANAH	72519	1	\$160.00
G Series and SC315				
2nd GenIII-U + radio EMS kit, G series only	CARMANAH	84583	1	\$1,050.00
U-bolt kit, not. incl. cabinet mount, not incl. plates, u-bolts to 4-4.5" OD round, SS	CARMANAH	74570	1	\$112.00
AC to solar retrofit kit, not incl. solar panel, mount, or battery, G-Series only	CARMANAH	89532	1	\$210.00
AC power supply kit, power supply, breaker, terminal blocks, backplane, backpanel, G series only	CARMANAH	89533	1	\$345.00
AC power supply kit, power supply only	CARMANAH	88060	1	\$220.00
Hole plug kit, 1.25" trade size, if cabinet nipple is not used/removed	CARMANAH	79502	1	\$62.00
Battery mat, rubber, evelates battery out of drain hole water, G series only	CARMANAH	83101	1	\$76.00
Pole cap kit, 4.5" OD round, alum, for M-D	CARMANAH	82865	1	\$76.00
Applied Information monitoring unit kit, including harness, door switch, mount, no monitoring unit, G series only	CARMANAH	84598	1	\$340.00
RTC time switch kit, including harness and mount, no time switch	CARMANAH	84599	1	\$255.00

RTC time switch kit, including harness and mount, TXDOT Standard, no time switch	CARMANAH	88967	1	\$255.00
Cabinet, abs window plugged, no internals, G series only, Brushed aluminum	CARMANAH	87514	1	\$995.00
Cabinet, abs window plugged, no internals, G series only, With Powder coat	CARMANAH	Black-87705, Green-87706, Yellow-87707	1	\$1,170.00
Cabinet replacement door kit, G series only	CARMANAH	No Paint-88910, Black-88911, Green-88912, Yellow-88913	1	\$375.00
Draw latch kit with padlock eye, G series only	CARMANAH	88769	1	\$97.00
Top of Pole Mount, 4.5" OD round, galvanized steel, for 50W or 80W	CARMANAH	74454	1	\$370.00
E, F, and G Series Common				
Energy Management system EMS, GenIII-U	CARMANAH	84327	1	\$515.00
Energy Management system EMS, GenIII-U + radio	CARMANAH	84328	1	\$650.00
Energy Management system EMS, GenIII-U + calendar comm. kit including 16' USB harness	CARMANAH	84329	1	\$780.00
Energy Management system EMS, GenIII-U + calendar comm. Kit, + radio including 16' USB harness	CARMANAH	84330	1	\$920.00
Energy Management system EMS, GenIII-U, cover, for 247-E pre-Sept. 2018	CARMANAH	89547	1	\$570.00
Energy Management system EMS, GenIII-U, cover, for R920	CARMANAH	89548	1	\$702.00
iNX retro kit, EMS, not incl. iNX pushbuttonor harness for SC315	CARMANAH	89528	1	\$680.00
iNX retro kit, EMS, not incl. iNX pushbuttonor harness for R920	CARMANAH	89526	1	\$720.00
iNX retro kit, EMS, not incl. iNX pushbuttonor harness for EFG 2018-2020(FW1.1.4.0 or lower)	CARMANAH	89529	1	\$680.00
iNX retro kit, EMS, not incl. iNX pushbuttonor harness for EFG 2021+(FW1.1.5.0 or lower)	CARMANAH	89527	1	\$28.00
Antenna, R920, R920-E, R920-F, SC315, SC315-G, R820-E, R820-F	CARMANAH	68361	1	\$63.00
Ambient brightness sensor snap-in cover, retro fit kit	CARMANAH	87902	1	\$26.00
Calendar upload kit, aluminum housing only	CARMANAH	No Color-81200, Black-81925, Green-81923, Yellow-81924	1	\$375.00
Calendar upload kit, aluminum housing adapter plate only	CARMANAH	No Color-84189, Black-84192, Green-84190, Yellow-84191	1	\$122.00
Light bar mounting bracket, including hardware	CARMANAH	77676	1	\$65.00
Connector for field wiring, 2-wire, 28-12 AWG	CARMANAH	57728	1	\$4.00
R838				
Antenna, R838	CARMANAH	88129	1	\$56.00
Power supply and harness, 100-240 vac 2-blade NA input, 15vdc output to R838 power connector, 6'	CARMANAH	88096	1	\$68.00
Harness, 12vdc auto power plug input, 12vdc output to R838 power connector, 6'	CARMANAH	88097	1	\$43.00
Terminal block plug, 2 positions, 14-30 AWG, for unpowered digital input to R838	CARMANAH	88102	1	\$14.00
LED ENHANCED SIGNS				
LED enhanced sign, R1-1, red LED's, 24" HIP, RED	CARMANAH	88461	1	\$310.00
LED enhanced sign, R1-1, red LED's, 30" HIP, RED	CARMANAH	88465	1	\$350.00
LED enhanced sign, R1-1, red LED's, 36" HIP, RED	CARMANAH	88469	1	\$490.00
LED enhanced sign, R1-1, red LED's, 48" HIP, RED	CARMANAH	88473	1	\$780.00
LED enhanced sign, R1-2, red LED's, 30" HIP, RED	CARMANAH	88478	1	\$350.00
LED enhanced sign, R1-2, red LED's, 36" HIP, RED	CARMANAH	88482	1	\$490.00
LED enhanced sign, R1-2, red LED's, 48" HIP, RED	CARMANAH	88468	1	\$780.00
LED enhanced sign, R5-1a, red LED's, 36 x 24" ,HIP, RED	CARMANAH	88498	1	\$490.00
LED enhanced sign, R5-1a, red LED's, 42 x 30" ,HIP, RED	CARMANAH	88502	1	\$780.00
LED enhanced sign, S1-1, ylw LED's, 30", DG VIP, FYG	CARMANAH	88443	1	\$430.00
LED enhanced sign, S1-1, ylw LED's, 36", DG VIP, FYG	CARMANAH	88451	1	\$570.00
LED enhanced sign, S1-1, ylw LED's, 30", HIP VIP, YLW	CARMANAH	88437	1	\$350.00
LED enhanced sign, S1-1, ylw LED's, 36", HIP VIP, YLW	CARMANAH	88445	1	\$490.00

LED enhanced sign, S5-1a, speed 15, wht and ylw LEDS, 24" x 48", DG3 white and DG VIP FYG	CARMANAH	89215	1	\$855.00
LED enhanced sign, S5-1a, speed 20, wht and ylw LEDS, 24" x 48", DG3 white and DG VIP FYG	CARMANAH	89216	1	\$855.00
LED enhanced sign, W11-2, ylw LED's, 24", HIP, YLW	CARMANAH	88509	1	\$310.00
LED enhanced sign, W11-2, ylw LED's, 24", DG3, YLW	CARMANAH	88525	1	\$385.00
LED enhanced sign, W11-2, ylw LED's, 24", HIP, YLW	CARMANAH	88517	1	\$385.00
LED enhanced sign, W11-2, ylw LED's, 24", DGVIP, FYG	CARMANAH	89081	1	\$385.00
LED enhanced sign, W11-2, ylw LED's, 24", DG3, FLW	CARMANAH	89790	1	\$385.00
LED enhanced sign, W11-2, ylw LED's, 24", DGVIP, FYG	CARMANAH	88533	1	\$470.00
LED enhanced sign, W11-2, ylw LED's, 24", DGVIP, FYG	CARMANAH	89083		\$470.00
LED enhanced sign, W11-2, ylw LED's, 30", HIP VIP, YLW	CARMANAH	88541	1	\$350.00
LED enhanced sign, W11-2, ylw LED's, 30", DG3, YLW	CARMANAH	88557	1	\$430.00
LED enhanced sign, W11-2, ylw LED's, 30", DG VIP, YLW	CARMANAH	88549	1	\$430.00
LED enhanced sign, W11-2, ylw LED's, 30", DG3, FY	CARMANAH	89085	1	\$430.00
LED enhanced sign, W11-2, ylw LED's, 30", DG3, FLW	CARMANAH	88565	1	\$510.00
LED enhanced sign, W11-2, ylw LED's, 30", DGVIP, FYG	CARMANAH	89087	1	\$510.00
LED enhanced sign, W11-2, ylw LED's, 36", HIP VIP, YLW	CARMANAH	88573	1	\$490.00
LED enhanced sign, W11-2, ylw LED's, 36", DG3, YLW	CARMANAH	88589	1	\$570.00
LED enhanced sign, W11-2, ylw LED's, 36", DG VIP, YLW	CARMANAH	88581	1	\$570.00
LED enhanced sign, W11-2, ylw LED's, 36", DG3, FY	CARMANAH	89089	1	\$570.00
LED enhanced sign, W11-2, ylw LED's, 36", DG3, FLW	CARMANAH	88597	1	\$650.00
LED enhanced sign, W11-2, ylw LED's, 36", DGVIP, FYG	CARMANAH	89091	1	\$650.00
LED enhanced sign, W11-2, ylw LED's, 48", HIP VIP, YLW	CARMANAH	88605	1	\$780.00
LED enhanced sign, W11-2, ylw LED's, 48", DG3, YLW	CARMANAH	88621	1	\$855.00
LED enhanced sign, W11-2, ylw LED's, 48", DG VIP, YLW	CARMANAH	89093	1	\$855.00
LED enhanced sign, W11-2, ylw LED's, 48", DG3, FY	CARMANAH	88613	1	\$855.00
LED enhanced sign, W11-2, ylw LED's, 48", DG3, FLW	CARMANAH	88629	1	\$930.00
LED enhanced sign, W11-2, ylw LED's, 48", DGVIP, FYG	CARMANAH	89095	1	\$930.00
LED enhanced sign, Mirrowed, W11-2, ylw LED's, 36", DGVIP, FYG	CARMANAH	89305	1	\$570.00
LED enhanced sign, W15-2, ylw LED's, 24", HIP, YLW	CARMANAH	88510	1	\$310.00
LED enhanced sign, W15-2, ylw LED's, 24", HIP, YLW	CARMANAH	88518	1	\$385.00
LED enhanced sign, W15-2, ylw LED's, 30", HIP, YLW	CARMANAH	88542	1	\$350.00
LED enhanced sign, W15-2, ylw LED's, 30", HIP, YLW	CARMANAH	88550	1	\$430.00
LED enhanced sign, W15-2, ylw LED's, 36", HIP, YLW	CARMANAH	88574	1	\$490.00
LED enhanced sign, W15-2, ylw LED's, 36", HIP, YLW	CARMANAH	88582	1	\$570.00
LED enhanced sign, W15-2, ylw LED's, 48", HIP, YLW	CARMANAH	88606	1	\$780.00
LED enhanced sign, W1-1L, ylw LED's, 24", HIP VIP, FYG	CARMANAH	88506		\$310.00
LED enhanced sign, W1-1L, ylw LED's, 30", HIP VIP, FYG	CARMANAH	88538	1	\$350.00
LED enhanced sign, W1-1L, ylw LED's, 36", HIP VIP, FYG	CARMANAH	88570	1	\$490.00
LED enhanced sign, W1-1R, ylw LED's, 24", HIP VIP, FYG	CARMANAH	88505	1	\$310.00
LED enhanced sign, W1-1R, ylw LED's, 30", HIP VIP, FYG	CARMANAH	88537	1	\$350.00
LED enhanced sign, W1-1R, ylw LED's, 36", HIP VIP, FYG	CARMANAH	88569	1	\$490.00
LED enhanced sign, W1-2L, ylw LED's, 24", HIP VIP, FYG	CARMANAH	88508	1	\$310.00
LED enhanced sign, W1-2L, ylw LED's, 30", HIP VIP, FYG	CARMANAH	88540	1	\$350.00
LED enhanced sign, W1-2L, ylw LED's, 36", HIP VIP, FYG	CARMANAH	88572	1	\$490.00
LED enhanced sign, W1-2R, ylw LED's, 24", HIP VIP, FYG	CARMANAH	88507	1	\$310.00
LED enhanced sign, W1-2R, ylw LED's, 30", HIP VIP, FYG	CARMANAH	88539	1	\$350.00
LED enhanced sign, W1-2R, ylw LED's, 36", HIP VIP, FYG	CARMANAH	88571	1	\$490.00
LED enhanced sign, W11-3, ylw LED's, 24", HIP VIP, FYG	CARMANAH	88511	1	\$310.00
LED enhanced sign, W11-3, ylw LED's, 30", HIP VIP, FYG	CARMANAH	88543	1	\$350.00
LED enhanced sign, W11-3, ylw LED's, 36", HIP VIP, FYG	CARMANAH	88575	1	\$490.00
Components for Legacy R829, R247, R820				
Emergency Management System EMS for R247C,R247,R829C,R829	CARMANAH	64510	1	\$930.00
Emergency Management System EMS with radio R820C, R820	CARMANAH	64509	1	\$1,650.00

Emergency Management System EMS for R247C,R247,R829C,R829 pre-Sept.2011(replaces 46319)	CARMANAH	59076	1	\$930.00
Emergency Management System EMS for R820C,R820 pre-Sept.2011(replaces 50229)	CARMANAH	57701	1	\$1,650.00
Emergency Management System EMS Main Harness	CARMANAH	57355	1	\$300.00
Antenna Kit for R820C/R820 incl. antenna, harness, bracket, hardware	CARMANAH	50185	1	\$244.00
Solar Panel with connector, does not include painted frame or hardware	CARMANAH	79524	1	\$134.00
Programming interlink harness, 3 pin +grnd to 3 pin, 15'	CARMANAH	57584	1	\$165.00
Programming harness, 3 pin to DB9, 10'	CARMANAH	57585	1	\$112.00
Programming harness, DB9 to USB, 3'	CARMANAH	49044	1	\$112.00
JXC-300HFRDT	DURALIGHT	12" Red U-Turn LED	1	\$93.00
JXC-300HFYDT	DURALIGHT	12" Yellow U-Turn LED	1	\$93.00
JXC-300HFGDT	DURALIGHT	12" Green U-Turn LED	1	\$93.00
JXC-300BIKR-IL	DURALIGHT	12" Red Bicycle LED	1	\$93.00
JXC-300BIKY-IL	DURALIGHT	12" Yellow Bicycle LED	1	\$93.00
JXC-300BIKG-IL	DURALIGHT	12" Green Bicycle LED	1	\$93.00
JXC300-HFR-C	DURALIGHT	Clear 12" Red LED - HiFlux TXD	1	\$45.00
JXC300-HFY-C	DURALIGHT	Clear 12" Yel LED - HiFlux TXD	1	\$50.00
JXC300-HFG-C	DURALIGHT	Clear 12" Grn LED - HiFlux TXD	1	\$45.00
JXC300-HFTR04	DURALIGHT	Tinted 12" Red LED - HiFlux TXD	1	\$45.00
JXC300-HFTY04	DURALIGHT	Tinted 12" Yel LED - HiFlux TXD	1	\$50.00
JXC300-HFTG04	DURALIGHT	Tinted 12" Grn LED - HiFlux TXD	1	\$45.00
JXJ-3000VIRA	DURALIGHT	12" Red Arrow - Pixilated	1	\$60.00
JXJ-300VIYA	DURALIGHT	12" Yel Arrow - Pixilated	1	\$60.00
JXJ300VIGA	DURALIGHT	12" Grn Arrow - Pixilated	1	\$80.00
JXJ300-07R03	DURALIGHT	12" Red Arrow - IL - TXDOT	1	\$51.00
JXJ300-07Y03	DURALIGHT	12" Yel Arrow - IL - TXDOT	1	\$51.00
JXJ300-07G03	DURALIGHT	12" Grn Arrow - IL - TXDOT	1	\$60.00
JXM-400VIAIL	DURALIGHT	16"X18" LED Ped Incand Look man/hand	1	\$150.00
JXM-400VIEIL	DURALIGHT	16"X18" LED CD Ped Incand Look	1	\$175.00
JXC-300DCR	DURALIGHT	12" Red LED 12VDC 5 Watt	1	\$78.00
JXC-300DCR	DURALIGHT	12" Yel LED 12VDC 5 Watt	1	\$78.00
JXC-300DCR	DURALIGHT	12" Grn LED 12VDC 5 Watt	1	\$87.00
JXJ-300VIYGA	DURALIGHT	12" Bi-Modal Green/Yellow Arrow	1	\$154.00
JXC-200-HFR Tinted	DURALIGHT	8" Red LED 12VAC	1	\$45.00
JXC-200-HFY Tinted	DURALIGHT	8" Yel LED 12VAC	1	\$47.00
JXC-200-HFG Tinted	DURALIGHT	8" Grn LED 12VAC	1	\$45.00
JXC-200-VIG	DURALIGHT	8" Green LED 12VAC	1	\$78.00
JXC-200-VIR	DURALIGHT	8" Red LED 12VAC	1	\$53.00
JXC-200-VIY	DURALIGHT	8" Yellow LED 12VAC	1	\$59.00
JXC-200BIKR-IL	DURALIGHT	8" Red Bicycle LED	1	\$78.00
JXC-200BIKY-IL	DURALIGHT	8" Yellow Bicycle LED	1	\$78.00
JXC-200BIKG-IL	DURALIGHT	8" Green Bicycle LED	1	\$78.00
JXC-200BIKR-Pix.	DURALIGHT	8" Red Bicycle LED	1	\$78.00
JXC-200BIKY-Pix.	DURALIGHT	8" Yellow Bicycle LED	1	\$78.00
JXC-200BIKG-Pix	DURALIGHT	8" Green Bicycle LED	1	\$93.00
Street Name Sign 22" High		ILSN signs use Avery brand sheeting-see below for 3M pricing		
JXM-STN-6S-TM	DURALIGHT	ILSNS 6' Single Sided, Top Mount	1	\$1,930.00
JXM-STN-6S-BM	DURALIGHT	ILSNS 6' Single Sided, Back Mount with Mounting Brackets	1	\$1,990.00
JXM-STN-6D	DURALIGHT	ILSNS 6' Double Sided	1	\$2,320.00
JXM-STN-8S-TM	DURALIGHT	ILSNS 8' Single Sided, Top Mount	1	\$2,650.00
JXM-STN-8S-BM	DURALIGHT	ILSNS 8' Single Sided, Back Mount with Mounting Brackets	1	\$2,650.00
JXM-STN-8D	DURALIGHT	ILSNS 8' Double Sided	1	\$2,950.00
JXM-STN-10S-TM	DURALIGHT	ILSNS 10' Single Sided, Top Mount	1	\$3,150.00
JXM-STN-10S-BM	DURALIGHT	ILSNS 10' Single Sided, Back Mount with Mounting Hardware	1	\$3,500.00
JXM-STN-10D	DURALIGHT	ILSNS 10' Double Sided, Back Mount with Mounting Hardware	1	\$3,500.00

ILSN Hanging Hardware Assembly	DURALIGHT	Hanging Hardware Assembly for ILSN Signs consisting of: 2ea AB-0160-62-PNC, 2ea SE-0611, 2ea SE-0371-PNC)	1	\$210.00
LOGO for ILSN	DURALIGHT	Add Logo / Each (1-3 Colors)	1	\$79.00
6' SINGLE SIDED 3M ADDER	DURALIGHT / 3M	6' SINGLE SIDED 3M ADDER	1	\$45.00
8' SINGLE SIDED 3M ADDER	DURALIGHT / 3M	8' SINGLE SIDED 3M ADDER	1	\$60.00
10' SINGLE SIDED 3M ADDER	DURALIGHT / 3M	10' SINGLE SIDED 3M ADDER	1	\$76.00
6' DOUBLE SIDED 3M ADDER	DURALIGHT / 3M	6' DOUBLE SIDED 3M ADDER	1	\$92.00
8' DOUBLE SIDED 3M ADDER	DURALIGHT / 3M	8' DOUBLE SIDED 3M ADDER	1	\$122.00
10' DOUBLE SIDED 3M ADDER	DURALIGHT / 3M	10' DOUBLE SIDED 3M ADDER	1	\$152.00
6' SIGN FACE ONLY, W/O LOGO	DURALIGHT	6' SIGN FACE ONLY, W/O LOGO	1	\$690.00
8' SIGN FACE ONLY, W/O LOGO	DURALIGHT	8' SIGN FACE ONLY, W/O LOGO	1	\$760.00
10' SIGN FACE ONLY, W/O LOGO	DURALIGHT	10' SIGN FACE ONLY, W/O LOGO	1	\$840.00
Street Name Sign 30" High		ILSN signs use Avery brand sheeting-see below for 3M pricing		
JXM-STN-6S-TM	DURALIGHT	ILSNS 6' Single Sided, Top Mount	1	\$2,775.00
JXM-STN-6S-BM	DURALIGHT	ILSNS 6' Single Sided, Back Mount with Mounting Brackets	1	\$2,850.00
JXM-STN-6D	DURALIGHT	ILSNS 6' Double Sided	1	\$3,375.00
JXM-STN-8S-TM	DURALIGHT	ILSNS 8' Single Sided, Top Mount	1	\$3,450.00
JXM-STN-8S-BM	DURALIGHT	ILSNS 8' Single Sided, Back Mount with Mounting Brackets	1	\$3,565.00
JXM-STN-8D	DURALIGHT	ILSNS 8' Double Sided	1	\$4,200.00
JXM-STN-10S-TM	DURALIGHT	ILSNS 10' Single Sided, Top Mount	1	\$4,275.00
JXM-STN-10S-BM	DURALIGHT	ILSNS 10' Single Sided, Back Mount with Mounting Hardware	1	\$4,390.00
JXM-STN-10D	DURALIGHT	ILSNS 10' Double Sided, Back Mount with Mounting Hardware	1	\$5,175.00
JXM-BLK2424	DURALIGHT	24"x24" Blank Out Sign	1	\$2,370.00
JXM-BLK2430	DURALIGHT	24"x30" Blank Out Sign	1	\$2,820.00
JXM-BLK2436	DURALIGHT	24"x36" Blank Out Sign	1	\$3,270.00
JXM-BLK3030	DURALIGHT	30"x30" Blank Out Sign	1	\$3,270.00
JXM-BLK3036	DURALIGHT	30"x36" Blank Out Sign	1	\$3,870.00
JXM-BLK3636	DURALIGHT	36"x36" Blank Out Sign	1	\$4,470.00
JXM-ST-BM	DURALIGHT	Back Mount Hardware	1	\$75.00
DURA-ST10	DURALIGHT	40W DURA-ST LED Cobrahead Roadway Lighting	1	\$306.00
DURA-ST15	DURALIGHT	65W DURA-ST LED Cobrahead Roadway Lighting	1	\$320.00
DURA-ST20	DURALIGHT	100W DURA-ST LED Cobrahead Roadway Lighting	1	\$385.00
DURA-ST25	DURALIGHT	140W DURA-ST LED Cobrahead Roadway Lighting	1	\$432.00
DURA-ST40	DURALIGHT	185W DURA-ST LED Cobrahead Roadway Lighting	1	\$462.00
DURA-ST40S	DURALIGHT	220W DURA-ST LED Cobrahead Roadway Lighting	1	\$522.00
DURA-ST25-CM	DURALIGHT	140W DURA-ST LED Cobrahead Roadway Lighting with Camera	1	\$1,230.00
DURA-ST40-CM	DURALIGHT	185W DURA-ST LED Cobrahead Roadway Lighting with Camera	1	\$1,320.00
DURA-STR10	DURALIGHT	40W DURA-ST LED Cobrahead Roadway Lighting	1	\$230.00
DURA-STR10A	DURALIGHT	55W DURA-ST LED Cobrahead Roadway Lighting	1	\$245.00
DURA-STR15	DURALIGHT	65W DURA-ST LED Cobrahead Roadway Lighting	1	\$260.00
DURA-STR20	DURALIGHT	100W DURA-ST LED Cobrahead Roadway Lighting	1	\$290.00
DURA-STR25	DURALIGHT	120W DURA-ST LED Cobrahead Roadway Lighting	1	\$320.00
DURA-STR25B	DURALIGHT	140W DURA-ST LED Cobrahead Roadway Lighting	1	\$340.00
DURA-STR25C	DURALIGHT	150W DURA-ST LED Cobrahead Roadway Lighting	1	\$355.00
DURA-STR40	DURALIGHT	185W DURA-ST LED Cobrahead Roadway Lighting	1	\$462.00
DURA-STR40D	DURALIGHT	220W DURA-ST LED Cobrahead Roadway Lighting	1	\$522.00
JXM-ST140-3	DURALIGHT	40W DURA-ST LED Cobrahead Roadway Lighting	1	\$306.00
JXM-ST140	DURALIGHT	130W DURA-ST LED Cobrahead Roadway Lighting	1	\$320.00
JXM-ST140-4	DURALIGHT	150W DURA-ST LED Cobrahead Roadway Lighting	1	\$355.00
JXM-ST180-3	DURALIGHT	170W DURA-ST LED Cobrahead Roadway Lighting	1	\$385.00
JXM-ST180	DURALIGHT	200W DURA-ST LED Cobrahead Roadway Lighting	1	\$462.00
JXM-ST180-4	DURALIGHT	250W DURA-ST LED Cobrahead Roadway Lighting	1	\$613.00
JXM-ST180-4-1	DURALIGHT	285W DURA-ST LED Cobrahead Roadway Lighting	1	\$710.00
JXM-ST180-4-2	DURALIGHT	320W DURA-ST LED Cobrahead Roadway Lighting	1	\$740.00
JXM-ST110LED	DURALIGHT	135W DURA-ST LED ShoeBox Roadway Lighting	1	\$820.00
JXM-ST15SB	DURALIGHT	150W DURA-STSB LED ShoeBox Roadway Lighting	1	\$540.00
JXM-ST20SB	DURALIGHT	200W DURA-STSB LED ShoeBox Roadway Lighting	1	\$570.00
JXM-ST 30SB	DURALIGHT	300W DURA-STSB LED ShoeBox Roadway Lighting	1	\$740.00

JXM-STSB-S40	DURALIGHT	400W DURA-STSB LED ShoeBox Roadway Lighting	1	\$775.00
JXM-STSB-S45	DURALIGHT	450W DURA-STSB LED ShoeBox Roadway Lighting	1	\$785.00
JXM-STSB-S50	DURALIGHT	500W DURA-STSB LED ShoeBox Roadway Lighting	1	\$805.00
JXM-ST-HM6-A	DURALIGHT	500W LED High Mast Luminaires	1	\$1,325.00
JXM-ST-HM6-B	DURALIGHT	500W LED High Mast Luminaires	1	\$1,325.00
JXM-ST-HM6-S	DURALIGHT	500W LED High Mast Luminaires	1	\$1,325.00
JXM-ST-HMBR	DURALIGHT	High Mast Mounting Bracket Fixture Assembly	1	\$198.00
JXM-ST-HMNFL	DURALIGHT	High Mast Neighborhood Friendly Lens Fixture Assembly	1	\$306.00
JXM-ST-HMNS	DURALIGHT	High Mast Nusiance Shield Fixture Assembly	1	\$198.00
JXM-ST-A1	DURALIGHT	35W LED Flood Light	1	\$174.00
JXM-ST-A2	DURALIGHT	35W LED Flood Lig65	1	\$215.00
JXM-ST-A3	DURALIGHT	130W LED Flood Light	1	\$320.00
JXM-ST-A4	DURALIGHT	185W LED Flood Light	1	\$520.00
JXM-ST-A5	DURALIGHT	240W LED Flood Light	1	\$585.00
JXM-ST-A5L	DURALIGHT	300W LED Flood Light	1	\$660.00
JXM-ST-WPK1	DURALIGHT	30W LED Wall Pack	1	\$152.00
JXM-ST-WPK2	DURALIGHT	60W LED Wall Pack	1	\$230.00
JXM-ST-WPK3	DURALIGHT	80W LED Wall Pack	1	\$245.00
JXM-ST-LB40	DURALIGHT	55W LED Low Bay Fixture	1	\$308.00
JXM-ST-LB80	DURALIGHT	75W LED Low Bay Fixture	1	\$308.00
JXM-ST-HB	DURALIGHT	150W LED High Bay Fixture	1	\$460.00
JXM-ST-HB1	DURALIGHT	200W LED High Bay Fixture	1	\$510.00
JXM-ST-HB2	DURALIGHT	300W LED High Bay Fixture	1	\$570.00
Blank Out Sign Speciality	DURALIGHT	Blank Out Sign Speciality	1	\$5,500.00
			1	
1095-030	ECONOLITE	Autoscope Easy Lock Connector as spare (Solo Terra Only)	1	\$35.00
1133-029	ECONOLITE	PC Ethernet Adaptor	1	\$47.00
1141-011	ECONOLITE	Mini USB to PC Cable Adapter	1	\$9.00
119-1003-501	ECONOLITE	2070 2E TEES-2009	1	\$1,700.00
2070C125550 Controller (COH)	ECONOLITE	2070C Controller for City of Houston	1	\$5,080.00
2070E6D5500 Controller (COSA)	ECONOLITE	2070E Controller for City of San Antonio	1	\$5,080.00
211-1012-501	ECONOLITE	C11 Interface Cable to TAP or single RVT	1	\$125.00
211-1012-502	ECONOLITE	C11 Interface Cable to four (4) RVT	1	\$161.00
211-1028-501	ECONOLITE	C1-Y Cable Connects AVIO24 to 2070/170 C1	1	\$865.00
220-1000-501	ECONOLITE	ARVP2CBL-RVP2 I/O Interface Cable	1	\$86.00
222-1002-501 AVIO24 Module	ECONOLITE	Vision I/O 24 Module Provides 33X TEES, TS1 & TS2 parallel I/O	1	\$790.00
222-1004-501	ECONOLITE	Comm Manager Y cable Connects AVCM to AVIO24 & SDLC	1	\$93.00
222-1004-502	ECONOLITE	I/O 24 Cable connects AVCM to AVIO24	1	\$42.00
332 Traffic Signal Cabinet Assembly	ECONOLITE	332 Traffic Signal Cabinet Assembly(City of San Antonio)	1	\$19,605.00
33274G5	ECONOLITE	SDLC Cable for TS2 Cab 12 Foot	1	\$450.00
333S Cabinet Assembly w/o Controller and with Plug Ins	ECONOLITE	333S Cabinet Assembly w/o Controller and w/Plug Ins	1	\$24,600.00
333S Hybrid Cabinet Assembly w/ Controller and with Plug Ins	ECONOLITE	333S ATCC Cabinet Assembly w/o Controller and with Plug Ins (City of League City)	1	\$33,050.00
33457G57	ECONOLITE	C4 Green & Red Interface Cable (332)	1	\$255.00
33550G5	ECONOLITE	SDLC Cable in TEES 33x or TS1 cabinet, with no MMU AVCM to Port 1	1	\$100.00
33550G8	ECONOLITE	SDLC Cable to 2070-2A & C1, in TEES 33x cabinet	1	\$135.00
34329G1	ECONOLITE	Load switch Green/Red Interface Panel	1	\$95.00
34909G1	ECONOLITE	Shelf-Mount Enclosure-Blue (AC Power adaptor must be ordered separately)	1	\$99.00
34974P1	ECONOLITE	AC Power Adapter for TMIB Standalone Closure	1	\$22.00
34974P4	ECONOLITE	120 VAC Power Adaptor for 34909G1 enclosure (optional)	1	\$25.00
A700-1030	ECONOLITE	ARVP2 -Autoscope RackVision Pro-2 MVP	1	\$2,475.00
A700-1166-01 AVCM	ECONOLITE	Vision Comm Manager	1	\$4,350.00
A700-1172	ECONOLITE	AVISION Video Sensor	1	\$6,975.00
Additional Centracs License	ECONOLITE	Additional Centracs License (10 License add-on)	1	\$15,000.00
ARVP1	ECONOLITE	Autoscope RackVision Pro 1 MVP	1	\$1,615.00
ARVP2	ECONOLITE	Autoscope RackVision Pro 2	1	\$2,475.00
ARVP2CBL	ECONOLITE	RackVision I/O Interface Cable	1	\$86.00
ASENSE-CONNECT	ECONOLITE	FlexConnect with mounting bracket (1133-274	1	\$1,780.00
ASENSE-CONNECT-PS	ECONOLITE	FlexConnect Power Supply: Idustrial rated cabinet power adapter (1133-279)	1	\$280.00

A-SENSE-CONNECT-PWRCBL	ECONOLITE	FlexConnect Power Cord: Cord to connect FlexConnect with cabinet terminal blocks (133-278)	1	\$37.00
A-SENSE-CONNECT-SDLC	ECONOLITE	FlexConnect Straight Cable (3'): Thru cable to connect FLEX-CONN-M to spare SDLC port (1133-280)	1	\$305.00
A-SENSE-CONNECT-YCBL	ECONOLITE	FlexConnect Y-Cable: Splitter cable to connect FLEX-CONN-M to existing SDLC port or hub (1133-277)	1	\$434.00
A-SENSE-CTRL-EXT	ECONOLITE	AccuSense EX Card (1133-250)	1	\$725.00
A-SENSE-CTRL-M	ECONOLITE	AccuSense Control (rack mount) (1133-243)	1	\$3,500.00
A-SENSE-CTRL-M-E	ECONOLITE	AccuSense Control (rack mount) with Enhanced Ethernet (1133-244)	1	\$5,275.00
A-SENSE-ENCLOSURE	ECONOLITE	APCC metal enclosure, shelf mount, 2-slots (1133-275)	1	\$800.00
A-SENSE-ENCLOSURE-CBL	ECONOLITE	APCC enclosure detector output cable, 10' (1133-276)	1	\$250.00
A-SENSE-FLX-ANT1	ECONOLITE	Standard External Antenna (1133-254)	1	\$375.00
A-SENSE-FLX-ANT2	ECONOLITE	Long Range External Antenna (1133-255)	1	\$540.00
A-SENSE-ISO-2	ECONOLITE	AccuSense Isolator for AccuSense Control	1	\$937.00
A-SENSE-KIT-MTG	ECONOLITE	Universal Mounting Bracket (1133-256)	1	\$291.00
A-SENSE-MAG2-F	ECONOLITE	Flush-Mount MAG2 Wireless Sensor (Freeways/Arterials/Traffic Signal Control) (1133-261)	1	\$1,060.00
A-SENSE-MAG2-GR-F	ECONOLITE	Grind Resistant Wireless Sensor (Freeways/Arterials/Traffic Signal Control) (1133-259)	1	\$1,060.00
A-SENSE-MAG2-GR-T	ECONOLITE	Grind Resistant Wireless Sensor (Traffic Signal Control only) (1133-260)	1	\$860.00
A-SENSE-MAG2-T	ECONOLITE	Flush-Mount MAG2 Wireless Sensor (Traffic Signal Control only) (1133-262)	1	\$860.00
A-SENSE-MR-2	ECONOLITE	Flush-Mount MicroRadar TM Sensor (Bicycle Applications) (1133-263)	1	\$1,110.00
A-SENSE-RADIO	ECONOLITE	AccuSense Radio for AccuSense Control (rack mount) (1133-248)	1	\$1,275.00
A-SENSE-RPT	ECONOLITE	AccuSense Repeat (1133-251)	1	\$2,800.00
A-SENSE-RPT-BAT-3	ECONOLITE	Replacement Battery Pack A-SENSE-RPT-2YR, A-SENSE-RPTFLX-2YR (1133-266)	1	\$147.00
A-SENSE-RPT-FLX	ECONOLITE	AccuSense Repeat Flex (1133-252)	1	\$3,700.00
ATC 340 Cabinet	ECONOLITE	ITS 340 Cabinet	1	\$34,500.00
ATC Rack Mount Controller	ECONOLITE	ATC Rack Mount Controller	1	\$5,000.00
ATCC model 332 Cabinet No Controller 16/24	ECONOLITE	ATC model 332 Cabinet No Controller	1	\$30,000.00
ATCC model 332 Cabinet w/ Controller 16/24	ECONOLITE	ATC model 332 Cabinet w/ Controller	1	\$35,000.00
ATCC model 332 Cabinet No Controller 32/48	ECONOLITE	ATC model 332 Cabinet No Controller	1	\$33,000.00
ATCC model 332 Cabinet w/ Controller 32/48	ECONOLITE	ATC model 332 Cabinet No Controller	1	\$38,000.00
Centraacs Annual Services Renewal	ECONOLITE	Centraacs Annual Services Renewal	1	
Centraacs DCMS	ECONOLITE	Centraacs DCMS Module	1	\$110,000.00
Centraacs Level 1 Server	ECONOLITE	Centraacs Level 1 Server	1	\$15,000.00
Centraacs Level 2 Server	ECONOLITE	Centraacs Level 2 Server	1	\$30,000.00
Centraacs SMA Basic	ECONOLITE	Centraacs SMA Basic (25 License)	1	\$15,000.00
Centraacs 25 Licenses	ECONOLITE	Centraacs 25 Licenses	1	\$75,000.00
Centraacs 50 Licenses	ECONOLITE	Centraacs 50 Licenses	1	\$125,000.00
Centraacs 100 Licenses	ECONOLITE	Centraacs 100 Licenses	1	\$175,000.00
Centraacs Advanced CCTV Module	ECONOLITE	CCTV Module - up to 50 cameras	1	\$60,000.00
Centraacs BlueToad Module	ECONOLITE	Centraacs BlueToad Module	1	\$33,000.00
Centraacs C-2-C Module	ECONOLITE	Centraacs C-2-C	1	\$60,500.00
Centraacs Edaptive-10	ECONOLITE	10 License of Edaptive, Setup, Includes SPM 1yr	1	\$22,000.00
Centraacs Edaptive-10-A	ECONOLITE	10 License Annual Service Fee	1	\$9,350.00
Centraacs Edaptive-25	ECONOLITE	25 License of Edaptive, Setup, Includes SPM 1yr	1	\$42,350.00
Centraacs Edaptive-25-A	ECONOLITE	25 License Annual Service Fee	1	\$23,100.00
Centraacs Edaptive-50	ECONOLITE	50 License of Edaptive, Setup, Includes SPM 1yr	1	\$75,900.00
Centraacs Edaptive-50-A	ECONOLITE	50 License Annual Service Fee	1	\$49,500.00
Centraacs Edaptive-100	ECONOLITE	100 License of Edaptive, Setup, Includes SPM 1yr	1	\$143,000.00
Centraacs Edaptive-100-A	ECONOLITE	100 License Annual Service Fee	1	\$90,200.00
Centraacs Edaptive-200	ECONOLITE	200 License of Edaptive, Setup, Includes SPM 1yr	1	\$277,310.00
Centraacs Edaptive-200-A	ECONOLITE	200 License Annual Service Fee	1	\$181,940.00
Centraacs Local Edition 1 Module	ECONOLITE	Centraacs L.E. 1 Module	1	\$5,500.00
Centraacs MMS	ECONOLITE	Centraacs MMS 100 or less intersections	1	\$60,500.00
Centraacs MOE	ECONOLITE	Centraacs MOE 1 Module	1	\$30,250.00
Centraacs SPM-25	ECONOLITE	25 License of SPM, Service Setup, Intersection Setup 1yr.	1	\$31,900.00
Centraacs SPM-25-A	ECONOLITE	25 License, Annual Service Fee	1	\$13,750.00
Centraacs SPM-50	ECONOLITE	50 License of SPM, Service Setup, Intersection Setup 1yr.	1	\$55,000.00

Centracs SPM-50-A	ECONOLITE	50 License, Annual Service Fee	1	\$26,400.00
Centracs SPM-100	ECONOLITE	100 License of SPM, Service Setup, Intersection Setup 1yr.	1	\$101,200.00
Centracs SPM-100-A	ECONOLITE	100 License, Annual Service Fee	1	\$57,200.00
Centracs SPM-200	ECONOLITE	200 License of SPM, Service Setup, Intersection Setup 1yr.	1	\$192,500.00
Centracs SPM-200-A	ECONOLITE	200 License, Annual Service Fee	1	\$105,600.00
Centracs Mobility Essentials - 25	ECONOLITE	25 License of Essentials	1	\$8,000.00
Centracs Mobility Essentials - 50	ECONOLITE	50 License of Essentials	1	\$16,000.00
Centracs Mobility Essentials - 100	ECONOLITE	100 License of Essentials	1	\$32,000.00
Centracs Mobility Standard - 25	ECONOLITE	25 License of Standard	1	\$15,000.00
Centracs Mobility Standard - 50	ECONOLITE	50 License of Standard	1	\$30,000.00
Centracs Mobility Standard - 100	ECONOLITE	100 License of Standard	1	\$60,000.00
Centracs Mobility Add On	ECONOLITE	Centracs Mobility Add On		\$100,000.00
Centracs Mobility Timing	ECONOLITE	Centracs Mobility Timing - 25 Intersections	1	\$10,000.00
Centracs Mobility Edaptive	ECONOLITE	Centracs Mobility Edaptive - 25 Intersections	1	\$10,000.00
COB12110120000	ECONOLITE	Cobalt ATC 1100 TS2 Type 1 NEMA Controller (Corpus Christi)	1	\$3,060.00
COB21120110000	ECONOLITE	Cobalt G Series, TS1,Receptacle w/ 8MB Datakey, NO Communication	1	\$4,765.00
COBC22121200000000	ECONOLITE	Cobalt C Series SM EOS V3.2.13 TS1/TS2-2 8MB Datakey	1	\$3,450.00
COBCRM22100000000000	ECONOLITE	Cobalt C-Series RM		\$5,500.00
COBGRM22100000000000	ECONOLITE	Cobalt G-Series RM	1	\$6,000.00
DEM114	ECONOLITE	Detector Expansion Module-Slave (207-1003-501)	1	\$200.00
DEM144	ECONOLITE	Detector Expansion Module-Master (207-1002-501)	1	\$340.00
Detector Rack	ECONOLITE	Detector Rack	1	\$1,200.00
HHC-7000	ECONOLITE	Coax Modem to Zoom image sensor s/w	1	\$650.00
ITS 340 Cabinet (COH)	ECONOLITE	ITS 340 Cabinet	1	\$31,820.00
Module Annual SMA	ECONOLITE	Annual SMA for module	1	\$27,500.00
Econolite NEMA	ECONOLITE	NEMA Traffic Signal Cabinet		\$24,000.00
ADU	EDI	Auxillary Display Unit	1	\$690.00
ADU 2220	EDI	Auxillary Display Unit 48VDC	1	\$690.00
BIU 700	EDI	Bus Interface Unit	1	\$360.00
BIU 700H	EDI	Bus Interface Unit-Half Width	1	\$360.00
CMUIP 2122-HV	EDI	Cabinet Monitor Unit with Ethernet Port	1	\$890.00
CMU-PMG-CARD	EDI	6 & 12 Channel NEMA Program Card	1	\$35.00
EDI 200	EDI	Model 200 Load Switch	1	\$35.00
EDI 2010ECL	EDI	170/2070 Monitor, EIA232	1	\$820.00
EDI 2010ECL-115	EDI	170/2070 Monitor, EIA232, 110VAC 50Hz	1	\$1,010.00
EDI 2010ECLIP	EDI	170/2070 type Monitor with Ethernet Port	1	\$1,060.00
EDI 2018ECLIP	EDI	18 Ch. 2070 type Monitor w/ Ethernet Port	1	\$1,180.00
EDI 2018KCLIP	EDI	18 Ch. 2070 type Monitor w/Datakey	1	\$1,160.00
EDI 204	EDI	Model 204 Flasher Caltrans	1	\$36.00
EDI 210	EDI	170 Caltrans Standard Monitor	1	\$590.00
EDI 210C	EDI	170 Standard Monitor	1	\$590.00
EDI 210PB	EDI	210/2010 Program Board Standard	1	\$58.00
EDI 2202-HV	EDI	HDSPFU Loadswitch/Flasher 120VAC	1	\$286.00
EDI 242L	EDI	242 DC Isolator	1	\$62.00
EDI 244L	EDI	244L DC Isolator	1	\$88.50
EDI 510	EDI	Discrete Load Switch	1	\$36.00
EDI 810	EDI	Dual Circuit Type 3 Flasher	1	\$35.00
LM222	EDI	2 CH. Rack Mount Detector	1	\$122.00
LM622	EDI	2 CH. NEMA TS2 Rack Detector	1	\$120.00
LMD222	EDI	2 CH. DFLCT Rack Detector	1	\$122.00
LMD224	EDI	4 CH. DFLCT Rack Mount Detector	1	\$340.00
LMD301T	EDI	Single Ch. Self Det. w/Deflectometer	1	\$240.00
LMD622T	EDI	2 CH. DFLCT Rack TS2 Detector w/Timing	1	\$160.00
LMD624	EDI	4 CH. DFLCT TS2 Rack Mount Detector	1	\$325.00
LMD624T	EDI	4 CH. DFLCT TS2 Rack Mount Det. w/Timing	1	\$380.00
LMH8	EDI	Harness, Loop Monitor, 8 ft, 11 pin	1	\$62.00
MMU16E	EDI	16 Ch. Enhanced TS2 NEMA Monitor	1	\$960.00

MMU16-EXT-CARD	EDI	MMU16E/LE Test Program Card	1	\$280.00
MMU16LE-PGM-CARD	EDI	MMU16E/LE Program Card	1	\$76.00
MMU2-16LE	EDI	16 Ch. LCD Enhanced TS2 Smart Monitor	1	\$1,080.00
MMU2-16LEIP	EDI	16 Ch. LCD Enhanced TS2 Smart Monitor	1	\$1,300.00
MONITORKEY-USB	EDI	CMU Data Key Programming Tool	1	\$620.00
NSM12E	EDI	12 Ch. Enhanced NEMA Monitor	1	\$960.00
ORACLE2E	EDI	2 CH. LCD Rack Mount Detector	1	\$280.00
ORACLE2EC	EDI	2 CH. LCD R.Mnt Det. With Count Outputs	1	\$360.00
ORACLE4E	EDI	4 CH. LCD Rack Mount Detector	1	\$398.00
ORACLES1E	EDI	Single CH. LCD Shelf Mount Det	1	\$330.00
PS175B	EDI	TS-1 Heavy Duty Rack Power Supply	1	\$280.00
PS206L	EDI	Switching Cabinet Power Supply	1	\$328.00
PS216EP-2412	EDI	Model 216EP-2412 Cabinet Power Supply	1	\$740.00
PS250	EDI	TS-2 Heavy Duty Cabinet Power Supply	1	\$580.00
R-TR-200 (RENO Product)	EDI	Flash Transfer Relay	1	\$38.00
SIU 2218	EDI	Serial Interface Unit Hald Width	1	\$350.00
SSM12LE	EDI	12 Ch. LCD Enhanced NEMA Monitor	1	\$990.00
SSM12LEC	EDI	12 Ch. LCD Enh. NEMA Mon w/EPAC Comm.	1	\$1,120.00
SSM12LEIP	EDI	12 CH. LCD Enhanced NEMA Mon w/ethernet	1	\$1,202.00
ASC/3 "D" Cable	HENKE	With Preempt Only	1	\$90.00
CIP Main ACP340	HENKE	CIP Main ACP340	1	\$286.00
CX06-M LPU (HE75CXR)	HENKE / EDCO	Surge Suppressor	1	\$105.00
DIN 12010-10	HENKE	Dinrail 10 Cam (No CX06's)	1	\$780.00
DIN 12010-3	HENKE	Dinrail 3 Cam (No CX06's)	1	\$535.00
DIN 12010-4	HENKE	Dinrail 4 Cam (No CX06's)	1	\$565.00
DIN 12010-5	HENKE	Dinrail 5 Cam (No CX06's)	1	\$595.00
DIN 12010-6	HENKE	Dinrail 6 Cam (No CX06's)	1	\$625.00
DIN 12010-7	HENKE	Dinrail 7 Cam (No CX06's)	1	\$655.00
DIN 12010-8	HENKE	Dinrail 8 Cam (No CX06's)	1	\$725.00
GPS 16X HVS	GARMIN	GPS unit with Cable and Connector	1	\$210.00
LMR240				
CAB-0032TN	INTUICOM	3 Foot Coaxial Cable with N(M) to TNC(M) Connector, 1 dB loss,0.24" diameter	LF	\$78.00
CAB-0032NN	INTUICOM	3 Foot Coaxial Cable with N(M) type Connector, 1 dB loss,0.24" diameter	LF	\$78.00
CAB-0062NN	INTUICOM	6 Foot Coaxial Cable with N(M) type Connector, 1 dB loss,0.24" diameter	LF	\$81.00
CAB-0102NN	INTUICOM	10 Foot Coaxial Cable with N(M) type Connector, 1 dB loss,0.24" diameter	LF	\$103.00
LMR400				
CAB-0104NN	INTUICOM	10 Foot Coaxial Cable with N(M) type Connector, 1 dB loss,0.4" diameter	LF	\$103.00
CAB-0204NN	INTUICOM	20 Foot Coaxial Cable with N(M) type Connector, 1 dB loss,0.4" diameter	LF	\$155.00
CAB-0304NN	INTUICOM	30 Foot Coaxial Cable with N(M) type Connector, 2 dB loss,0.4" diameter	LF	\$180.00
CAB-0504NN	INTUICOM	50 Foot Coaxial Cable with N(M) type Connector, 2 dB loss,0.4" diameter	LF	\$240.00
CAB-0754NN	INTUICOM	75 Foot Coaxial Cable with N(M) type Connector, 3 dB loss,0.4" diameter	LF	\$268.00
CAB-1004NN	INTUICOM	100 Foot Coaxial Cable with N(M) type Connector, 4 dB loss,0.4" diameter	LF	\$320.00
CAB-LMR 400	INTUICOM	LMR 0.4" Diameter Coaxial Cable, No Connectors, Cost per Foot	LF	\$3.00
LMR600				
CAB-LMR 600	INTUICOM	Cable Per Foot Coaxial Cable LMR600 1 dB Loss - 0.6" Diameter ~ Excludes: N(M) Connectors	LF	\$8.00
CAT5E				
CAB-CAT5E	INTUICOM	Cable Per Foot Custom - Outdoor Ethernet CAT5 ~ Includes: RJ45 Shielded Connectors	LF	\$2.00
CONNECTORS				
EZ-400-NMH-D	INTUICOM	Cable Connector - Crimp Style for LMR400 Coaxial Cable	1	\$21.00
EZ-600-NMH-D	INTUICOM	Cable Connector - Crimp Style for LMR 600 Coaxial Cable	1	\$41.00
FIP4-RJ45-C5E	INTUICOM	Cable Connector - CAT5E RJ45 Shielded for Outdoor Ethernet CAT5	1	\$4.00
ECHO-KIT	ISS	RTMS ECHO side-fire radar unit includes mounting bracket and 50' CAT5e cable	1	\$6,150.00
ITS-ISS-ECHO-SP	ISS	Surge Panel for RTMS ECHO	1	\$640.00

AID-WW-710	ISS	Wrong Way vehicle detection system includes wrong way detection processor, multi-lens camera, camera mounting bracket, countermeasure activation module, and 120 VAC power supply. Alert Trust must be included.	1	\$8,620.00
AID-WW-AT-720	ISS	Alert Trust certified monitoring for one (1) yaer agreement. Pricing is per year, per site.	1	\$2,150.00
USB Mouse	LOGITECH	USB Mouse	1	\$28.00
M27164	McCAIN	Mount Clamshell - Black	1	\$93.00
M27168	McCAIN	Mount Clamshell - Yellow	1	\$93.00
M31825	McCAIN	16" Ped Sig AL - Yellow	1	\$240.00
M31826	McCAIN	16" Ped Sig AL - Black	1	\$240.00
M64947	McCAIN	16" Ped Sig Poly Yellow or Black	1	\$173.00
578-1	Mitchell Tech. (Western Systems)	8 Phase Display, Standard Cable	1	\$700.00
578-1A	Mitchell Tech. (Western Systems)	8 Phase Display, Quick Connect Option	1	\$755.00
578-1B	Mitchell Tech. (Western Systems)	Spare Quick Connect Accessory Cable for models 578-1A, 578F-1A, 578NT-1A	1	\$145.00
578-2B	Mitchell Tech. (Western Systems)	Spare Quick Connect Accessory Cable for models 578-2A	1	\$120.00
578F-1	Mitchell Tech. (Western Systems)	8 Phase Display, Yellow Flashing Arrow, Standard Cable	1	\$780.00
578F-1A	Mitchell Tech. (Western Systems)	8 Phase Display, Yellow Flashing Arrow, Quick Connect Option	1	\$940.00
578NT-1	Mitchell Tech. (Western Systems)	8 Phase Intersection Layout Display, Standard Cable	1	\$780.00
578NT-1A	Mitchell Tech. (Western Systems)	8 Phase Intersection Layout Display, Quick Connect Option	1	\$940.00
578-2	Mitchell Tech. (Western Systems)	4 Overlap & 4 Auxillary Display, Standard Cable	1	\$455.00
578-2A	Mitchell Tech. (Western Systems)	4 Overlap & 4 Auxillary Display, Quick Connect Option	1	\$560.00
STS-22DC1	ORANGE TRAFFIC	GPS Time Sync Kit, DC, RS-232 with GPS Antenna, 6' cable	1	\$890.00
24 HR - AC-TX AC Flasher Cabinet Full Assembly	PARADIGM TRAFFIC SYSTEMS	AC Flasher Cabinet Assy consisting of flasher cabinet, mount, 20' Ped Pole Assembly, and 2 Yellow Beacons(VAC)	1	\$4,000.00
24 HR - DC, Solar -TX Solar Flasher Cabinet and solar components	PARADIGM TRAFFIC SYSTEMS	Solar Flasher Assy consisting of solar flasher cabinet, solar components, 20' Ped Pole Assembly, and 2 Yellow Beacons(VDC)	1	\$5,500.00
A6001640TXDT	PARADIGM TRAFFIC SYSTEMS	Ground Box, 17"x30"x18" 20K Rating	1	\$3,500.00
A6001640X22	PARADIGM TRAFFIC SYSTEMS	Ground Box, 17"x30"x22"	1	\$3,500.00
AN22Y33BATT44ERY Level 1	PARADIGM TRAFFIC SYSTEMS	Battery	1	\$500.00
AN22Y33BATT44ERY Level 2	PARADIGM TRAFFIC SYSTEMS	Battery	1	\$2,000.00
AN22Y33BATT44ERY Level 3	PARADIGM TRAFFIC SYSTEMS	Battery	1	\$5,000.00
Analytics System	PARADIGM TRAFFIC SYSTEMS	Analytics System	Per Intersection	\$75,000.00
Applicator	PARADIGM TRAFFIC SYSTEMS	Applicator	1	\$725.00
ATCC Key Burner	PARADIGM TRAFFIC SYSTEMS	ATCC Key Burner	1	\$1,200.00
Uninterruptible Power Supply	PARADIGM TRAFFIC SYSTEMS	UPS System	1	\$12,000.00
Uninterruptible Power Supply Miscellaneous Component	PARADIGM TRAFFIC SYSTEMS	UPS System Components	1	\$3,500.00
BATTERY TESTER KIT	PARADIGM TRAFFIC SYSTEMS	Battery Tester Kit w/Tester, Probes, Case	1	\$9,000.00
Cabinet Display Unit	PARADIGM TRAFFIC SYSTEMS	Cabinet Display Unit	1	\$1,000.00
Cable Level 1	PARADIGM TRAFFIC SYSTEMS	Cable	Ft	\$2.00
Cable Level 2	PARADIGM TRAFFIC SYSTEMS	Cable	Ft	\$5.00
Cable Level 3	PARADIGM TRAFFIC SYSTEMS	Cable	Ft	\$15.00
COMPUTER Level 1	PARADIGM TRAFFIC SYSTEMS	Computer Component	1	\$500.00
COMPUTER Level 2	PARADIGM TRAFFIC SYSTEMS	Computer Component	1	\$5,000.00
COMPUTER Level 3	PARADIGM TRAFFIC SYSTEMS	Computer Component	1	\$20,000.00
DATA KEY 8MB	PARADIGM TRAFFIC SYSTEMS	Data Key/Jump Drive 8MB	1	\$120.00
DSRC Radio	PARADIGM TRAFFIC SYSTEMS	5.9GHZ radio for V2V	1	\$5,700.00
Expoxy Tube	PARADIGM TRAFFIC SYSTEMS	Expoxy Tube each	1	\$175.00
Level 1 Ethernet Switch	PARADIGM TRAFFIC SYSTEMS	Level 1 Ethernet Switch	1	\$1,100.00
Level 2 Ethernet Switch	PARADIGM TRAFFIC SYSTEMS	Level 2 Ethernet Switch	1	\$1,650.00
Level 3 Ethernet Switch	PARADIGM TRAFFIC SYSTEMS	Level 3 Ethernet Switch	1	\$3,500.00
Level 4 Ethernet Switch	PARADIGM TRAFFIC SYSTEMS	Level 4 Ethernet Switch	1	\$8,000.00

Level 5 Ethernet Switch	PARADIGM TRAFFIC SYSTEMS	Level 5 Ethernet Switch	1	\$28,000.00
Level 6 Ethernet Switch	PARADIGM TRAFFIC SYSTEMS	Level 6 Ethernet Switch	1	\$55,000.00
Level 1 Miscellaneous Traffic Component	PARADIGM TRAFFIC SYSTEMS	Miscellaneous Traffic Component	1	\$100.00
Level 2 Miscellaneous Traffic Component	PARADIGM TRAFFIC SYSTEMS	Miscellaneous Traffic Component	1	\$350.00
Level 3 Miscellaneous Traffic Component	PARADIGM TRAFFIC SYSTEMS	Miscellaneous Traffic Component	1	\$1,000.00
Level 4 Miscellaneous Traffic Component	PARADIGM TRAFFIC SYSTEMS	Miscellaneous Traffic Component	1	\$6,000.00
Level 5 Miscellaneous Traffic Component	PARADIGM TRAFFIC SYSTEMS	Miscellaneous Traffic Component	1	\$10,000.00
LED Component	PARADIGM TRAFFIC SYSTEMS	LED Component	1	\$5,000.00
MISCANYCAB	PARADIGM TRAFFIC SYSTEMS	Miscellaneous Cabinet Equipment	1	\$40,000.00
MISCOSOL25	PARADIGM TRAFFIC SYSTEMS	Miscellaneous Solar Equipment	1	\$5,000.00
MONITOR	PARADIGM TRAFFIC SYSTEMS	Wall Mount Monitor	1	\$3,500.00
Nema Traffic Signal Cabinet Assembly	PARADIGM TRAFFIC SYSTEMS	Nema Traffic Signal Cabinet Assembly	1	\$21,000.00
Powder Coating	PARADIGM TRAFFIC SYSTEMS	Powder Coat	Per Each	\$2,000.00
PTSI ATCC Cabinet No Controller	PARADIGM TRAFFIC SYSTEMS	ATC Cabinet No Controller	1	\$35,000.00
PTSI ATCC Cabinet w/ Controller	PARADIGM TRAFFIC SYSTEMS	ATC Cabinet w/ Controller	1	\$40,000.00
PTSI Cabinet Rehab	PARADIGM TRAFFIC SYSTEMS	Cabinet Rehab	1	\$25,000.00
PTSI Pole Mount Cab	PARADIGM TRAFFIC SYSTEMS	Pole Mount Cabinet	1	\$22,000.00
PTSI Ground Mount Cab	PARADIGM TRAFFIC SYSTEMS	Ground Mount Cabinet	1	\$22,000.00
PTSI-340 NEMA-TS-1	PARADIGM TRAFFIC SYSTEMS	University Park Cabinet with 4 doors to include; controller, plug-ins, MMU2, BBU System	1	\$35,000.00
PTSI-340NEMA TS1	PARADIGM TRAFFIC SYSTEMS	TS1 Cabinet Assy	1	\$23,000.00
PTSI-Duncanville P44 Cabinet Assembly	PARADIGM TRAFFIC SYSTEMS	PTSI-Duncanville P44 Cabinet Assembly Double Door, No Controller, No Power Supply, No MMU, No Detectors, Only 2 BIU's	1	\$20,000.00
PTZ / CCTV CAMERA ASSEMBLY	PARADIGM TRAFFIC SYSTEMS	PTZ / CCTV Camera	1	\$8,000.00
900 MHz to 5.8 GHz Radio	PARADIGM TRAFFIC SYSTEMS	Radio	1	\$4,000.00
Radio Antenna	PARADIGM TRAFFIC SYSTEMS	Radio Antenna	1	\$2,500.00
Radio Data Transciever	PARADIGM TRAFFIC SYSTEMS	Radio Data Transciever	1	\$3,000.00
Radio Miscellaneous	PARADIGM TRAFFIC SYSTEMS	Radio Miscellaneous	1	\$600.00
RRFB System	PARADIGM TRAFFIC SYSTEMS	RRFB System	1	\$12,500.00
Screw in Anchor	PARADIGM TRAFFIC SYSTEMS	Screw-In Anchor for Ped Poles	1	\$1,600.00
Signal Head, Complete, 3 Sec - No Hardware	PARADIGM TRAFFIC SYSTEMS	3 Section Signal Head w/ Tunnel Visor, LED & Bkplt	1	\$715.00
Signal Head, Complete, 4 Sec - No Hardware	PARADIGM TRAFFIC SYSTEMS	4 Section Signal Head w/ Tunnel Visor, LED & Bkplt	1	\$1,070.00
Signal Head, Complete, 5 Sec - No Hardware	PARADIGM TRAFFIC SYSTEMS	5 Section pignal Head w/ Tunnel Visor, LED & Bkplt	1	\$1,470.00
Solar Panel - For SZF / RDS D FLSH BCN	PARADIGM TRAFFIC SYSTEMS	Solar Panel	1	\$400.00
Solar Panel / Top of Pole Mount	PARADIGM TRAFFIC SYSTEMS	Side of Pole Mount for Solar Panel	1	\$300.00
SYSTEM PROGRAMMER	PARADIGM TRAFFIC SYSTEMS	System Programmer	1	\$5,000.00
TECH BUCKET	PARADIGM TRAFFIC SYSTEMS	Certified Traffic Signal Technician with Bucket Truck	Hourly	\$750.00
TECH CONTDBASECONV	PARADIGM TRAFFIC SYSTEMS	Controller Data Base Conversion	Per Each	\$1,000.00
TECH CRTRLTIMING	PARADIGM TRAFFIC SYSTEMS	Programming of Traffic Signal Controllers	Hourly	\$300.00
TECH FIELD SERVICES	PARADIGM TRAFFIC SYSTEMS	Field Service Technician	Hourly	\$300.00
TECH ON-SITE TRAINING	PARADIGM TRAFFIC SYSTEMS	Training on-site Technician	Hourly	\$300.00
TECH SYSTEM INTEGRATION	PARADIGM TRAFFIC SYSTEMS	System Integration	Hourly	\$300.00
TECH TMC TRAINING	PARADIGM TRAFFIC SYSTEMS	Traffic Management Center Operator Training	Hourly	\$300.00
TOWERCLIMB	PARADIGM TRAFFIC SYSTEMS	Tower Climb with Equipment Installation	1	\$10,000.00
Traffic Controller	PARADIGM TRAFFIC SYSTEMS	Traffic Controller	1	\$7,500.00
Video Modem	PARADIGM TRAFFIC SYSTEMS	Video Modem	1	\$3,000.00
Modem Connectivity	PARADIGM TRAFFIC SYSTEMS	Modem Connectivity	Per Year	\$2,000.00
Video Monitor with Power Supply	PARADIGM TRAFFIC SYSTEMS	Video Monitor with Power Supply	1	\$225.00
Traffic Detection System 1 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 1 Approach	1	\$14,000.00
Traffic Detection System 2 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 2 Approach	1	\$20,000.00
Traffic Detection System 3 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 3 Approach	1	\$27,000.00
Traffic Detection System 4 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 4 Approach	1	\$35,000.00
Traffic Detection System 5 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 5 Approach	1	\$43,000.00
Traffic Detection System 6 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 6 Approach	1	\$47,000.00
Traffic Detection System 7 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 7 Approach	1	\$51,000.00
Traffic Detection System 8 Approach	PARADIGM TRAFFIC SYSTEMS	Traffic Detection System 8 Approach	1	\$55,000.00
Traffic Detector	PARADIGM TRAFFIC SYSTEMS	Traffic Detector	1	\$12,000.00

Traffic System Processor	PARADIGM TRAFFIC SYSTEMS	Traffic System Processor	1	\$8,000.00
Advanced Traffic Management System	PARADIGM TRAFFIC SYSTEMS	ATMS (25 Licenses)	1	\$100,000.00
Advanced Traffic Management System	PARADIGM TRAFFIC SYSTEMS	ATMS (100 Licenses)	1	\$225,000.00
HSS81*001FO, PEEK, 1-SEC, AL, EMPTY(YEL)	PEEK	Signal Alum 1-Sec, Yellow	1	\$98.00
HSS81*001FO, PEEK, 1-SEC, AL, EMPTY(BLK)	PEEK	Signal Alum 1-Sec, Black	1	\$98.00
PSS81*001FO, PEEK, 1-SEC, PL, EMPTY(YEL)	PEEK	Signal Poly 1-Sec, Yellow	1	\$84.00
PSS81*001FO, PEEK, 1-SEC, PL, EMPTY(BLK)	PEEK	Signal Poly 1-Sec, Black	1	\$84.00
HSS82*002FO, PEEK, 2-SEC, AL, EMPTY(YEL)	PEEK	Signal Alum 2-Sec, Yellow	1	\$130.00
HSS82*002FO, PEEK, 2-SEC, AL, EMPTY(BLK)	PEEK	Signal Alum 2-Sec, Black	1	\$130.00
PSS82*002FO, PEEK, 2-SEC, PL, EMPTY(YEL)	PEEK	Signal Poly 2-Sec, Yellow	1	\$170.00
PSS82*002FO, PEEK, 2-SEC, PL, EMPTY(BLK)	PEEK	Signal Poly 2-Sec, Black	1	\$170.00
HSS83*003FO, PEEK, 3-SEC, AL, ALL EMPTY, HZ OR VT(YEL)	PEEK	Signal Alum 3-Sec, Yellow	1	\$213.00
HSS83*003FO, PEEK, 3-SEC, AL, ALL EMPTY, HZ OR VT(BLK)	PEEK	Signal Alum 3-Sec, Black	1	\$213.00
PSS83*003FO, PEEK, 3-SEC, PL, ALL EMPTY, HZ OR VT(YEL)	PEEK	Signal Poly 3-Sec, Yellow	1	\$168.00
PSS83*003FO, PEEK, 3-SEC, PL, ALL EMPTY, HZ OR VT(BLK)	PEEK	Signal Poly 3-Sec, Black	1	\$168.00
HSS84*004FO, PEEK, 4-SEC, AL, ALL EMPTY, HZ OR VT(YEL)	PEEK	Signal Alum 4-Sec, Yellow	1	\$325.00
HSS84*004FO, PEEK, 4-SEC, AL, ALL EMPTY, HZ OR VT(BLK)	PEEK	Signal Alum 4-Sec, Black	1	\$315.00
PSS84*004FO, PEEK, 4-SEC, PL, ALL EMPTY, HZ OR VT(YEL)	PEEK	Signal Poly 4-Sec, Yellow	1	\$245.00
PSS84*004FO, PEEK, 4-SEC, PL, ALL EMPTY, HZ OR VT(BLK)	PEEK	Signal Poly 4-Sec, Black	1	\$270.00
HSS85*005FO, PEEK, 5-SEC, AL, ALL EMPTY, HZ OR VT(YEL)	PEEK	Signal Alum 5-Sec, Yellow	1	\$376.00
HSS85*005FO, PEEK, 5-SEC, AL, ALL EMPTY, HZ OR VT(BLK)	PEEK	Signal Alum 5-Sec, Black	1	\$376.00
PSS85*005FO, PEEK, 5-SEC, PL, ALL EMPTY, HZ OR VT(YEL)	PEEK	Signal Poly 5-Sec, Yellow	1	\$271.00
PSS85*005FO, PEEK, 5-SEC, PL, ALL EMPTY, HZ OR VT(BLK)	PEEK	Signal Poly 5-Sec, Black	1	\$271.00
0700487*, PEEK, 12" AL TUNNEL VISOR(YEL)	PEEK	12" Alum Tunnel Visor, Yellow	1	\$25.00
0700487*, PEEK, 12" AL TUNNEL VISOR(BLK)	PEEK	12" Alum Tunnel Visor, Black	1	\$25.00
0700493*, PEEK, 12" PL TUNNEL VISOR(YEL)	PEEK	12" Poly Tunnel Visor, Yellow	1	\$15.00
0700493*, PEEK, 12" PL TUNNEL VISOR(BLK)	PEEK	12" Poly Tunnel Visor, Black	1	\$15.00
S400000, 1-Sec AL Backplate	PEEK	Backplate Alum 1-Sec	1	\$52.73
S400005, 1-Sec AL Backplate LOUVERED	PEEK	Backplate Alum 1-Sec LOUVERED	1	\$57.00
S400001, 2-Sec AL Backplate	PEEK	Backplate Alum 2-Sec	1	\$58.00
S400006, 2-Sec AL Backplate LOUVERED	PEEK	Backplate Alum 2-Sec LOUVERED	1	\$63.00
S400002, 3-Sec AL Backplate	PEEK	Backplate Alum 3-Sec	1	\$67.00
S400007, 3-Sec AL Backplate LOUVERED	PEEK	Backplate Alum 3-Sec LOUVERED	1	\$72.00
PEEK, 3-Sec AL Backplate w/ 2" Reflective Tape	PEEK	Backplate Alum 3-Sec w/ 2" Reflective Tape	1	\$84.00
PEEK, 3-Sec AL Backplate LOUVERED w/ 2" Reflective Tape	PEEK	Backplate Alum 3-Sec LOUVERED w/ 2" Reflective Tape	1	\$94.00
PEEK, 3-Sec AL Backplate Louvered HAWK w/ 2" Reflective Tape	PEEK	Backplate Alum 3-Sec LOUVERED HAWK w/ 2" Reflective Tape	1	\$137.00
S400008, 4-Sec AL Backplate	PEEK	Backplate Alum 4-Sec	1	\$87.00
S400011, 4-Sec AL Backplate LOUVERED	PEEK	Backplate Alum 4-Sec, LOUVERED	1	\$91.00
PEEK, 4-Sec AL Backplate w/ 2" Reflective Tape	PEEK	Backplate Alum 4-Sec, w/ 2" Reflective Tape	1	\$115.00
PEEK, 4-Sec AL Backplate LOUVERED w/ 2" Reflective Tape	PEEK	Backplate Alum 4-Sec, LOUVERED w/ 2" Reflective Tape	1	\$119.00
S400004, 5-Sec AL Backplate	PEEK	Backplate Alum 5-Sec	1	\$105.00
S400012, 5-Sec AL Backplate LOUVERED	PEEK	Backplate Alum 5-Sec, LOUVERED	1	\$110.00
500006, 5-Sec Aluminum Cluster (2 piece)(Louvered)	PEEK	Backplate Alum 5-Sec, Cluster, 2-Piece LOUVERED	1	\$140.00
PEEK, 5-Sec Aluminum w/ 2" Reflective Tape	PEEK	Backplate Alum 5-Sec, w/ 2" Reflective Tape	1	\$141.00
PEEK, 5-Sec Aluminum LOUVERED w/ 2" Reflective Tape	PEEK	Backplate Alum 5-Sec, LOUVERED, w/ 2" Reflective Tape	1	\$146.00
PEEK, 5-Sec Aluminum Dog House w/ 2" Reflective Tape	PEEK	Backplate Alum 5-Sec, Dog House w/ 2" Reflective Tape	1	\$168.00
AB-0163-84	PELCO	3/4"-14 NPT, 84" Galv Cable Mnt	1	\$56.00
AB-0508-PNC	PELCO	Gusseted Tube Extender, Alum	1	\$38.00
AB-2003-46	PELCO	Tube Gussetted 46" 3 Sec	1	\$45.00
AB-2003-58	PELCO	Tube Gussetted 58" 4 Sec	1	\$533.00
AB-2003-74	PELCO	Tube Gussetted 74" 5 Sec	1	\$66.00
AB-3055-62	PELCO	Astro-Brac Tallon 62"	1	\$150.00
AB-4005-PNC	PELCO	1-Way, 8 1/2" CTC, SS Washer, Alu,	1	\$55.00
AP-1087-P34	PELCO	ITC Handhole 4-3/4"X27", ABS Blk	1	\$67.00
AS-0166-58-120	PELCO	Camera Bracket	1	\$255.00
AS-0166-58-62	PELCO	Camera Mounting Bracket	1	\$243.00

AS-3009-120	PELCO	120" Galv Cablr Mount, Alum	1	\$120.00
AS-3009-144	PELCO	144" Galv Cablr Mount, Alum	1	\$125.00
AS-3009-96	PELCO	96" Galv Cablr Mount, Alum	1	\$110.00
BK-1003-C-PNC, 12" 3-Sec, ABS - TCT for PEEK	PELCO	Backplate 3-Sec, VF' ABS, Peek	1	\$76.00
BK-1003-C-RT2-PNC, 2" Reflective Tape, VF, 3-Sec 12", ABS - TCT for PEEK	PELCO	Backplate 3-Sec, VF' ABS, w/ 2" Reflective Tape Peek	1	\$142.00
BK-1003-L3L4-RT2-PNC	PELCO	Backplate 3-Sec, VF' Reflective Tape, ABS, Econolite	1	\$112.00
BK-1004-C-PNC, 12" 4-Sec, ABS - TCT for PEEK	PELCO	Backplate 4-Sec, VF' ABS, Peek	1	\$99.00
BK-1004-C-RT2-PNC, 2" Reflective Tape, VF, 4-Sec 12", ABS - TCT for PEEK	PELCO	Backplate 4-Sec, VF' ABS, w/ 2" Reflective Tape Peek	1	\$118.00
BK-1004-L3L4-RT2-PNC	PELCO	Backplate 3-Sec, VF' ABS, Peek	1	\$138.00
BK-1005-C-PNC, 12" 5-Sec, ABS - TCT for PEEK	PELCO	Backplate 5-Sec, VF' ABS, Peek	1	\$108.00
BK-1005-C-RT2-PNC, 2" Reflective Tape, VF, 5-Sec 12", ABS - TCT for PEEK	PELCO	Backplate 5-Sec, VF' ABS, w/ 2" Reflective Tape Peek	1	\$131.00
BK-1007-C-PNC, 12" 5-Sec Cluster, 16" CTC, ABS - TCT for PEEK	PELCO	Backplate 5-Sec. Cluster VF' ABS, Peek	1	\$155.00
BK-1007-C-RT2-PNC, 2" Reflective Tape, VF, 5-Sec Cluster, 16" CTC, ABS - TCT for PEEK	PELCO	Backplate 5-Sec. Cluster VF' ABS, w/ 2" Reflective Tape Peek	1	\$155.00
BK-5003-C-PNC, Louvered, VF, 12" 3-Sec, ABS -TCT, for PEEK	PELCO	Backplate 3-Sec, VF' ABS, LOUVERED	1	\$96.00
GL-1010	PELCO	Louver 12" GPL	1	\$235.00
Paint Adder	PELCO	Astro-Brac Arm Kits	1	\$12.00
Paint Adder	PELCO	Astro-Brac Assembly, Complete	1	\$36.00
Paint Adder	PELCO	Astro-Brac Clamp Kit	1	\$12.00
Paint Adder	PELCO	Astro-Brac Tubes (Gusseted Tubes)	1	\$12.00
Paint Adder	PELCO	Pedestal Base	1	\$30.00
Paint Adder	PELCO	Pole Caps	1	\$12.00
Paint Adder	PELCO	Pole Collars	1	\$18.00
Paint Adder	PELCO	Poles, per ft.	1	\$6.00
PB-0604-ZN1	PELCO	Driver Adapter	1	\$135.00
PB-5100-10	PELCO	Pole, Alum 10' Min. purchase is 10 units	1	\$295.00
PB-5100-15	PELCO	Pole, Alum 15' Min. purchase is 10 units	1	\$440.00
PB-5100-20	PELCO	Pole, Alum 20' Min. Purchase is 10 units	1	\$585.00
PB-5102-04	PELCO	Sch 80 X 4', Spun Alum Min. Purchase 10 Units	1	\$180.00
PB-5102-10	PELCO	Sch 80 X 10', Spun Alum Min. purchase is 10 units	1	\$450.00
PB-5102-12	PELCO	Sch 80 X 12', Spun Alum Min. purchase is 10 units	1	\$540.00
PB-5102-15	PELCO	Sch 80 X 15', Spun Alum Min. Purchase is 10 units	1	\$675.00
PB-5102-20	PELCO	Sch 80 X 20', Spun Alum Min. Purchase is 10 units	1	\$900.00
PB-5306	PELCO	Anchor Bolt Set of 4	1	\$60.00
PB-5325	PELCO	Collar Assy	1	\$85.00
PB-5334	PELCO	Square, w, Alum door, Alum	1	\$195.00
PB-5364	PELCO	Hardware Kit, 7-3/4"to 14-3/4" Fondation Anchor Assy.	1	\$495.00
PB-5401	PELCO	Pole Cap For 4-1/2" OD Pole, Alum, Acorn	1	\$20.00
PELCO COMPONENT LEVEL 1	PELCO	Micellaneous Hardware Component - Unspecified	1	\$175.00
PELCO COMPONENT LEVEL 2	PELCO	Micellaneous Hardware Component - Unspecified	1	\$300.00
PELCO COMPONENT LEVEL 3	PELCO	Micellaneous Hardware Component - Unspecified	1	\$600.00
PELCO COMPONENT LEVEL 4	PELCO	Micellaneous Hardware Component - Unspecified	1	\$1,500.00
PELCO COMPONENT LEVEL 5	PELCO	Micellaneous Hardware Component - Unspecified	1	\$3,000.00
SE-0338	PELCO	1/2" Wide Slot, U-Bolts, Galv Iron	1	\$35.00
SE-0371	PELCO	Span-Wire Adapter w/Stainless Bushing, Alum	1	\$22.00
SE-0507-06	PELCO	6" Long, Alum	1	\$10.00
SE-0507-06-PNC	PELCO	6" Long, Alum	1	\$10.00
SE-0507-11-PNC	PELCO	11" Long, Alum	1	\$12.00
SE-0507-16	PELCO	16" Long, Alum	1	\$12.00
SE-0507-19	PELCO	19" Long, Alum	1	\$15.00
SE-0507-36	PELCO	36" Long, Alum	1	\$20.00
SE-0507-40	PELCO	40" Long, Alum	1	\$36.00
SE-0507-72	PELCO	72" Long, Alum	1	\$38.00
SE-0543-PNC	PELCO	10 Hole Extender Connector	1	\$18.00
SE-2132-15-M-PXX	PELCO	9x15 Ped Button Assy	1	\$145.00

SE-2142-P34	PELCO	Mod. to Round Button 9"X15", Alum	1	\$90.00
SE-2171-PXX	PELCO	Adapter, 9" x 12", Intelli-Cross, Alum	1	\$25.00
SE-2174-PXX	PELCO	Adapter, 9" x 15", Intelli-Cross, Alum	1	\$38.00
SE-2180-04-PNC	PELCO	Extender for Intellicross Button Assy.	1	\$134.00
SE-2180-06-PNC	PELCO	Extender for Intellicross Button Assy.	1	\$134.00
SE-2180-12-PNC	PELCO	Extender for Intellicross Button Assy.	1	\$125.00
SE-2180-16-PNC	PELCO	Extender for Intellicross Button Assy.	1	\$130.00
SE-2509	PELCO	L-Shaped w/Hardware, Alum	1	\$8.00
SE-2512	PELCO	Stabilizer Bar w/Hardware, Alum	1	\$30.00
SE-2900-PXX	PELCO	APS Assy, Intelli-Cross, Single Arrow, 5" x 7 3/4", Alum - Standard MUTCD settings	1	\$725.00
SE-5053	PELCO	Tri-Bolt, Alum	1	\$55.00
SE-5111	PELCO	90° J-Bolt Clamp, Alum	1	\$85.00
SE-6170-2-PNC	PELCO	Arrow, Double for APS Push Button, w/Hardware, Alum, Gloss Black	1	\$15.00
SE-6172-PNC	PELCO	CIU-C, Communication Interface Unit, Compact	1	\$1,600.00
SE-6175-PXX	PELCO	Sound Baffle	1	\$3.00
SE-6190-TX-PNC	PELCO	PIM, Power Interface Module (for replacement only)	1	\$295.00
SF-1074-15-L-4H-PNC	PELCO	9x15 Ped Sign Countdown Right	1	\$55.00
SF-1074-15-R-4H-PNC	PELCO	9x15 Ped Sign Countdown Left	1	\$55.00
SH-0206-1.5	PELCO	(1-7/8" OD) Pipe, Set of 2, Alum	1	\$35.00
SH-0206-2	PELCO	(2-3/8" OD) Pipe, Set of 2, Alum	1	\$27.00
SH-0206-2.5	PELCO	(2-7/8" OD) Pipe, Set of 2, Alum	1	\$27.00
SH-0206-4	PELCO	(4-1/2" OD) Pipe, Set of 2, Alum	1	\$27.00
SH-0514	PELCO	1-Piece, Tilt & Pan, Alum	1	\$40.00
SM-0286-42	PELCO	Confirmation Light	1	\$143.00
SM-0321-CL-84-SS	PELCO	w/Clear Globe, Astro Mini-Brac, w/84 Stainless Cable, Alum	1	\$190.00
SM-0906-ZN2	PELCO	7/16"-14X3/4" NPT, Iron, Zinc 2	1	\$17.00
SP-1014-TX	PELCO	Square Alum Base	1	\$210.00
US-8120-21-SS	PELCO	.075" Thick, Stainless (50 per box)	1	\$331.00
US-8122-04-SS	PELCO	Type 201 Stainless (100 per box)	1	\$76.00
US-8122-54-SS	PELCO	Type 201 Stainless (100 per box)	1	\$70.00
BIU/2				
C-1100-B-SS	RENO A&E	Nema TS2 Bus Interface Unit, Half-width (1.12 inch) panel	1	\$580.00
C-1100-SS	RENO A&E	2 Channel LCD, 332/170 Type LCD Bicycle	1	\$385.00
C-1101-B-SS	RENO A&E	2 Channel LCD, 332/170 Type LCD	1	\$270.00
C-1101-SS	RENO A&E	2 Channel LCD, 332/170 Type LCD Bicycle, Count	1	\$430.00
C-1103-SS	RENO A&E	2 Channel LCD, 332/170 Type LCD, True Count	1	\$385.00
C-1200-B-SS	RENO A&E	2 Channel LCD w/TrueCount & Fail Output, 332/170 Type	1	\$385.00
C-1200-SS	RENO A&E	Model C-1200 Bicycle Detector SS	1	\$420.00
C-1201-B-SS	RENO A&E	2 Channel LCD NEMA TS1/TS2 Type	1	\$270.00
C-1203A-SS	RENO A&E	Model C-1201 Bicycle Detector SS COUNT	1	\$435.00
CPS-TS2-LCD	RENO A&E	2 Channel LCD w/TrueCount & Fail Output, NEMA TS1/TS2 Type	1	\$385.00
E/2-1200-B-SS	RENO A&E	NEMA TS-2 Cabinet Power Supply	1	\$585.00
E/2-1200-SS	RENO A&E	4 Channel LCD, NEMA TS1/TS2 Type, 1.2" Front Panel, BICYCLE DETECTOR	1	\$675.00
E-1200-B-SS	RENO A&E	4 Channel LCD, NEMA TS1/TS2 Type, 1.2" Front Panel	1	\$402.00
E-1200-SS	RENO A&E	4 Channel LCD, NEMA TS1/TS2 Type, Bicycle Detector	1	\$675.00
G-200-SS	RENO A&E	4 Channel LCD, NEMA TS1/TS2 Type	1	\$402.00
GT-200-SS	RENO A&E	Detector DIP NEMA TS1/TS2 12/24VDC 2 CH	1	\$118.00
L-1200 -R	RENO A&E	2 Channel DIP Switch w/Delay & Extension Timing, NEMA TS1/TS2 Type	1	\$175.00
LMH8	RENO A&E	1 Channel LCD, NEMA TS1 Type	1	\$287.00
LMH802-2	RENO A&E	Harness, Loop Monitor 8ft	1	\$56.00
LMH802-4	RENO A&E	Harness 11 Pin 2 foot Amphenol Type	1	\$13.50
LMH804-8	RENO A&E	Harness 11 Pin 4 foot Amphenol Type	1	\$17.00
LMH8-R	RENO A&E	Harness 19 Pin Female MS Type 8 foot Poly Sleeve	1	\$162.00
MMU-1600D (SP1 USA)	RENO A&E	Harness, Loop Monitor 8ft RAE Orange sleeve	1	\$56.00
MMU-1600G	RENO A&E	16 Channel Malfunction Management Unit	1	\$870.00
MMU-1600GE	RENO A&E	16 Channel Malfunction Management Unit with Graphics Display	1	\$1,060.00
MMU-Prog Card Dip Switch	RENO A&E	16 Channel Malfunction Management Unit with Graphics Display & Ethernet	1	\$1,250.00
	RENO A&E	Dip Switch Program Card for testing	1	\$282.00

MMU-Program Card Blue	RENO A&E	MMU-1600 Spare Program Card	1	\$68.00
Phase Green Interface	RENO A&E	Phase Green Interface Module	1	\$94.00
Q-24	RENO A&E	24VDC Regulated Output from 120VAC 50/60Hz Nominal Input, 2" Wide	1	\$330.00
RAE-2018 Prog Card Blue	RENO A&E	Program Card	1	\$47.00
RAE-2018 Test Prog Card Blue	RENO A&E	Test Program Card	1	\$468.00
RAE-2018E	RENO A&E	18 Channel Conflict Monitor for 2070 Controller with Ethernet & USB ports	1	\$1,048.00
TR-200	RENO A&E	Flash Transfer Relay	1	\$34.00
Y-200-SS	RENO A&E	4 CH TS1/TS2 Rack Mount Detector	1	\$226.00
6GK6000 8BB00-0AA0	RUGGEDCOM	Power Cable 43-10-0008	1	\$20.00
6GK6000 8MF00-0AA0	RUGGEDCOM	Rack Mount Kit 41-81-0007	1	\$160.00
6GK6090 0AS21-0AA0-Z A21+B00	RUGGEDCOM	RS900-24-N-L5-L5-11-11	1	\$2,520.00
6GK6090 0AS21-0BA0-Z A00+B08	RUGGEDCOM	RS900-24-D-11-11-L5-SS	1	\$1,980.00
6GK6090-0AS21-0BA0-Z A21+B00	RUGGEDCOM	RS900-24-D-L5-L5-XX-XX-	1	\$2,565.00
6GK6090-0AS23-0BA0-Z A00+B00	RUGGEDCOM	Non-Fiber RS900-HI-D-11-11-11-11	1	\$1,350.00
6GK6090-0AS23-0BA0-Z A25+B00	RUGGEDCOM	Fiber RS900-HI-D-C2-C2-11-11	1	\$1,900.00
6GK6094 0GS23-0BA0-Z A04	RUGGEDCOM	RS940G-HI-D-2LC10-XX	1	\$3,450.00
TBD-1	RUGGEDCOM	Ethernet Switch	1	\$500.00
TBD-2	RUGGEDCOM	Ethernet Switch	1	\$1,500.00
TBD-3	RUGGEDCOM	Ethernet Switch	1	\$3,000.00
TBD-4	RUGGEDCOM	Ethernet Switch	1	\$7,500.00
TBD-5	RUGGEDCOM	Ethernet Switch	1	\$25,000.00
TBD-6	RUGGEDCOM	Ethernet Switch	1	\$50,000.00
SMARTMIRCO RADAR SYSTEMS				
MOUNTING BRACKETS				
05.0746.0000	SMART MICRO	Bracket 0504xx Radar Mounting Bracket for use with UMRR-11 (for pole mounting)	1	\$110.00
05.0748.0000	SMART MICRO	Bracket 0505xx Radar Mounting Bracket for use with UMRR-11 (for poles, mast arms, slanted and right angle mounts)	1	\$195.00
05.0750.0000	SMART MICRO	Bracket 0706xx Radar Mounting Bracket for use with UMRR-0C (for pole mounting)	1	\$125.00
05.0752.0000	SMART MICRO	Bracket 0708xx Radar Mounting Bracket for use with UMRR-0C (for poles, mast arms, slanted and right angle mounts)	1	\$235.00
JUNCTION BOXES				
05.0791.0000	SMART MICRO	JBOX-0204xx Terminal block for use with UMRR-11 with pins for Power and RS485 full-duplex Use with UMRR-11 44 and UMRR-11 45	1	\$320.00
05.0784.0001	SMART MICRO	JBOX-0205xx Terminal block for use with UMRR-0C with pins for Power and RS485 full-duplex use with UMRR-42	1	\$320.00
05.1129.0000	SMART MICRO	Terminal block with pins for Power using Ethernet over PLC		\$375.00
CABLES				
05.0765.0000	SMART MICRO	Plug & Play cable to connect sensor. Power, Ethernet, CAN, RS485 full-duplex, UV	1	\$417.00
05.0766.0000	SMART MICRO	CABLE-0C0301, All UMRR, Cable Stump to connect UMRR,. Open wires, UV resistant, 5m	1	\$177.00
05.0768.0000	SMART MICRO	CABLE-0C0304, All UMRR, Cable Stump to connect UMRR,. Open wires, UV resistant, 10m	1	\$177.00
05.0827.0000	SMART MICRO	CABLE-0D01xx, TMIB-AB	1	\$14.00
05.0786.0000	SMART MICRO	Cable to connect SRO, open wires (both ends), UV-resistant, 10m / 33ft	1	\$423.00
INTERFACE BOARDS				
05.0793.0000	SMART MICRO	TMIB C-0200xx- TMIB expansion card to provide 4 additional NEMA TS1 loop contacts	1	\$217.00
05.0776.0000	SMART MICRO	TMIB AB- TMIB C Shelf Mount Housing for 1 TMIB AB bundle	1	\$298.00
05.1119.0000	SMART MICRO	Incl. Power supply, circuit breaker, DIN Rail - pre-wired		\$4,275.00
05.1077.0000		Module only. To be mounted onto COM HUB DIN rail assembly		\$600.00
RADAR UNITS				
UMRR-12 T48 w/ Video	SMART MICRO	Traffic Management Sensor w/ Video	1	\$6,000.00
UMRR-12 T48	SMART MICRO	Traffic Management Sensor	1	\$4,220.00
UMRR-12 T42	SMART MICRO	Presence and Advanced Detection in a single unit	1	\$3,550.00
TRAFFIC MANAGEMENT INTERFACE BOARD				

TMIB_2	SMART MICRO	TMIB_2 Connects up to four UMRR Radar Sensorsto NEMA TS1 or TS2 cabinets or to other traffic controllers use with UMRR series Radar	1	\$3,860.00
MISC.				
05.1018.0000	SMART MICRO	Cabinet Panel-BASE-01000001	1	\$815.00
05.1032.0000	SMART MICRO	Module only. Excludes DIN rail and power supply.		\$570.00
IMSA #20-1-2 CNDCTR, (14/3 STR 20-1)	TEXAS WIRE & CABLE	#14 AWG, 2 Conductor, STR EVO RADAR CABLE	1	\$1.25
22/2PR 18/2, (RADAR)	TEXAS WIRE & CABLE	22/2PR Radar Cable for SmartMirco Radar	1	\$1.55
16/3 Cable for Vision, (16/3 SOLO)	TEXAS WIRE & CABLE	#16AWG, 3 conductor cable for Vision Cameras	1	\$1.15
IMSA #20-1-5 CNDCTR, (14/5 STR 20-1)	TEXAS WIRE & CABLE	5 Conductor Cable	1	\$2.00
IMSA #20-1-7 CNDCTR, (14/7 STR 20-1)	TEXAS WIRE & CABLE	7 Conductor Cable	1	\$2.00
8281 plus 16/3 AWG, (16/3 + Coax)	TEXAS WIRE & CABLE	#16 AWG, 3 Cond w/Coaxial (AIS IV Cameras)	1	\$3.00
9913 Cable per foot	TEXAS WIRE & CABLE	9913 Cable per foot	1	\$6.50
IMSA #20-1-20 CNDCTR, (14/20 STR 20-1)	TEXAS WIRE & CABLE	20 Conductor Cable	1	\$5.00
M75-9IDFB-000X	TRAFFICALM	iQ900 Full Matrix Driver Feedback Sign Select solar panel or AC power option	1	\$2,485.00
M75-009SE-000X	TRAFFICALM	DFB 9" Value sign with 20W Solar Panel 20Ah NiMH Battery Pack	1	\$2,960.00
M75-009SE-002	TRAFFICALM	DFB 9" Value sign with 60W Solar Upgrade 20Ah NiMH Battery Pack	1	\$3,300.00
M75-009SE-006	TRAFFICALM	DFB 9" Value sign AC with Power Supply	1	\$2,470.00
M75-012DFB-000	TRAFFICALM	iQ1200 Full Matrix Driver Feedback Sign Select solar panel or AC power supply option	1	\$3,180.00
M75-012SE-000x	TRAFFICALM	DFB 12" Value sign with 20W Solar Panel 30Ah NiMH Battery Pack	1	\$3,695.00
M75-012SE-002x	TRAFFICALM	DFB 12" Value sign with 60W Solar Panel 30Ah Battery Pack	1	\$4,040.00
M75-012SE-006x	TRAFFICALM	DFB 12" Value sign AC with Power Supply	1	\$2,950.00
M75-15DFB-U00x	TRAFFICALM	iQ1500 Full Matrix Driver Feedback Sign Select solar panel or AC power option	1	\$3,375.00
M75-15DFB-U0Sx	TRAFFICALM	iQ1500 Full Matrix DFB with White Strobe Select solar panel or AC power option	1	\$4,140.00
M75-18DFB-000x	TRAFFICALM	iQ1800 Full Matrix Driver Feedback Sign Select solar panel or AC power option	1	\$7,245.00
M75-018IE-000x	TRAFFICALM	iQ1800 Full Matrix Jumbo Driver Feedback Sign Select solar panel or AC power option	1	\$7,610.00
M75-9IDFB-PK0x	TRAFFICALM	iQ900 Portable Sign w/ 20Ah Battery with key includes 65 Watt Charger	1	\$3,735.00
M75-009SE-PK0x	TRAFFICALM	9" Value Portable Sign w/20Ah Battery w/key includes 65 Watt Charger	1	\$3,170.00
M75-12DFB-PK0x	TRAFFICALM	iQ1200 Portable Sign w/30Ah Battery w/key includes 65 Watt Charger	1	\$4,485.00
M75-012SE-PK0x	TRAFFICALM	12" Value Portable Sign w/30Ah Battery w/key includes 65 Watt Charger	1	\$3,775.00
M75-9IDFB-D07	TRAFFICALM	iQ900 Dolly Mounted Sign w/ 75Ah AGM Battery option: charger 029-04678-000	1	\$5,005.00
M75-012SE-000X	TRAFFICALM	9" Value Dolly Mounted Sign w/75Ah Battery option: charger 029-04678-0000	1	\$4,825.00
M75-12DFB-D07x	TRAFFICALM	iQ1200 Dolly Mounted Sign w/75Ah Battery option: charger 029-04678-0000	1	\$5,915.00
M75-012SE-D07x	TRAFFICALM	12" Value Dolly Mounted sign w/75Ah Battery option: Charger 029-04678-0000	1	\$5,325.00
M75-TRLER-TM00	TRAFFICALM	TC-Mini Trailer System w/150Ah Batteries includes 60Watt Solar Kit. Solar Charger and sign sold seperately	1	\$7,700.00
M75-SOLAR-000S	TRAFFICALM	60W Solar Kit incl: 60W Solar Panel, 35Ah Battery, Battery Box, Wiring/Conduit	1	\$1,495.00
M75-SLR70-000S	TRAFFICALM	60W Solar Kit w/ Upgrade, incl: 60W Solar Panel, 70Ah Battery, Battery Box, Wiring/Conduit	1	\$1,850.00
M75-SOLAR-000C	TRAFFICALM	100W Solar Kit incl: 100W Solar Panel, 70Ah Battery, Battery Box, Wiring/Conduit	1	\$1,695.00
M75-SLR14-000C	TRAFFICALM	100W Solar Kit w/ upgrade incl: 100 Watt Solar Panel, 140AH Battery, Battery Box,wiring/conduit	1	\$2,960.00
M75-SOLAR-000N	TRAFFICALM	150W Solar Kit incl: 150 Watt Solar Panel, 140AH Battery, Battery Box, wiring/conduit	1	\$4,085.00
M75-ACPWR-U060	TRAFFICALM	Outdoor Rated AC 60 Watt, ULc Power Supply for iQ900, iQ1200, and iQ1500 signs	1	\$336.00
M75-ACPWR-U200	TRAFFICALM	Outdoor Rated AC 200 Watt, ULc Power Supply for iQ1800 and iQ1800 Jumbo signs	1	\$345.00
029-04678-0000	TRAFFICALM	7.2A Smart ARM Charger designed for use with Dolly Signs	1	\$333.00
029-04677-0000	TRAFFICALM	26A Pro AGM Smart Charger Designed for use with TC-Mini Trailer System	1	\$912.00
029-04870-0000	TRAFFICALM	12Volt Universal Automotive Adapter for use with Portable DFB	1	\$66.00
042-0DSUB-6F9P	TRAFFICALM	RS-232 Cable Kit. Applies to all iQ series models- 9", 12", 18" are retro fitted in the field	1	\$93.00
015-02985-0000	TRAFFICALM	9" Value & iQ900 portable pole bracket (M75-009SE)(m75-9IDFB-PK0x)	1	\$48.00
015-02331-0000	TRAFFICALM	iQ900 Pole Bracket(except iQ900 Portable)(M75-9IDFB-000x)	1	\$60.00
015-02991-0000	TRAFFICALM	12" Value or iQ1200 Pole Bracket	1	\$66.00
015-03064-0000	TRAFFICALM	iQ1500 Pole Bracket	1	\$96.00
015-03065-0000	TRAFFICALM	iQ1500 Sign Bracket-Requires #015-03064-0000	1	\$96.00
M75-00DFB-DM00	TRAFFICALM	DFB Dimmer Assembly Kit	1	\$180.00

DB/S	TRAFFICNOW	All in one housing for pole or mast-arm mount. Including Single Channel Bluetooth, Ethernet,GPS, internal Bluetooth, GPS and 3G antennas, brackets and 15M cables	1	\$3,400.00
DB/S with 3G modem	TRAFFICNOW	All in one housing for pole or mast-arm mount. Including Single Channel Bluetooth, Ethernet,GPS, internal Bluetooth, GPS and 3G antennas, brackets and 15M cables	1	\$3,590.00
DB/D	TRAFFICNOW	All in one housing for pole or mast-arm mount. Including Dual Channel Bluetooth, Ethernet,GPS,DeepBlue AA external Bluetooth antennas, internal GPS/3G antennas, brackets and 15M cables	1	\$5,400.00
DB/D with 3G Modem	TRAFFICNOW	All in one housing for pole or mast-arm mount. Including Dual Channel Bluetooth, Ethernet,GPS,DeepBlue AA external Bluetooth antennas, internal GPS/3G antennas, brackets and 15M cables	1	\$5,600.00
DB/B1	TRAFFICNOW	Box-version for mounting in a 3U-rack. Includes Single Channel Bluetooth, Ethernet, GPS,Battery Meter, external Bluetooth, GPS and 3G antennas and 15M cables	1	\$3,400.00
DB/B1 with 3G Modem	TRAFFICNOW	Box-version for mounting in a 3U-rack. Includes Single Channel Bluetooth, Ethernet, GPS,Battery Meter, external Bluetooth, GPS and 3G antennas and 15M cables	1	\$3,590.00
DB/B2	TRAFFICNOW	Box-version for mounting in a 3U-rack. Includes Dual Channel Bluetooth, Ethernet, GPS,Battery Meter, DeepBlue AA external Bluetooths, external GPS and 3G antennas and 15M cables	1	\$5,400.00
DB/B2 with 3G Modem	TRAFFICNOW	Box-version for mounting in a 3U-rack. Includes Dual Channel Bluetooth, Ethernet, GPS,Battery Meter, DeepBlue AA external Bluetooths, external GPS and 3G antennas and 15M cables	1	\$5,590.00
DB/R1	TRAFFICNOW	Rail-version for mounting on a DIN-Rail. Includes Single Channel Bluetooth, Ethernet, GPS,Battery Meter, external Bluetooth, GPS and 3G antennas and 15M cables	1	\$3,000.00
DB/R2	TRAFFICNOW	Rail-version for mounting on a DIN-rail. Includes Dual Channel Bluetooth, Ethernet, GPS,Battery Meter, DeepBlue AA external Bluetooths, external GPS and 3G antennas and 15M cables	1	\$5,100.00
DB/R2 with 3G Modem	TRAFFICNOW	Rail-version for mounting on a DIN-rail. Includes Dual Channel Bluetooth, Ethernet, GPS,Battery Meter, DeepBlue AA external Bluetooths, external GPS and 3G antennas and 15M cables	1	\$5,300.00
DB/C1	TRAFFICNOW	All in one cabinet. Including solar panel and power regulator(battery not included). Single Channel Bluetooth, Ethernet, GPS, Battery meter, external Bluetooth, GPS and 3G antennas and 15M cables	1	\$5,100.00
DB/C1 with 3G Modem	TRAFFICNOW	All in one cabinet. Including solar panel and power regulator(battery not included). Single Channel Bluetooth, Ethernet, GPS, Battery meter, external Bluetooth, GPS and 3G antennas and 15M cables	1	\$5,300.00
DB/C2	TRAFFICNOW	All in one cabinet. Including solar panel and power regulator(battery not included). Dual Channel Bluetooth, Ethernet, GPS, Battery meter, DeepBlue AA external Bluetooth antennas, external GPS and 3G antennas and 15M cables	1	\$7,090.00
DB/C2 with 3G Modem	TRAFFICNOW	All in one cabinet. Including solar panel and power regulator(battery not included). Dual Channel Bluetooth, Ethernet, GPS, Battery meter, DeepBlue AA external Bluetooth antennas, external GPS and 3G antennas and 15M cables	1	\$7,280.00
CC5 Cable 15 Meters	TRAFFICNOW	CAT5 Standard Cable for Power Over Ethernet	1	\$148.00
CC520 Cable 20 Meters	TRAFFICNOW	CAT5 Standard Cable for Power Over Ethernet	1	\$175.00
CC530 Cable 30 Meters	TRAFFICNOW	CAT5 Standard Cable for Power Over Ethernet	1	\$208.00
CC540 Cable 40 Meters	TRAFFICNOW	CAT5 Standard Cable for Power Over Ethernet	1	\$230.00
CC560 Cable 60 Meters	TRAFFICNOW	CAT5 Standard Cable for Power Over Ethernet	1	\$275.00
CC580 Cable 80 Meters	TRAFFICNOW	CAT5 Standard Cable for Power Over Ethernet	1	\$320.00
CLV Cable 12 Meters	TRAFFICNOW	LV Standard Cable with Separate Ppower Pairs	1	\$240.00
CLV20 Cable 20 Meters	TRAFFICNOW	LV Standard Cable with Separate Ppower Pairs	1	\$275.00
CLV30 Cable 30 Meters	TRAFFICNOW	LV Standard Cable with Separate Ppower Pairs	1	\$340.00
CLV40 Cable 40 Meters	TRAFFICNOW	LV Standard Cable with Separate Ppower Pairs	1	\$405.00
CLV60 Cable 60 Meters	TRAFFICNOW	LV Standard Cable with Separate Ppower Pairs	1	\$480.00
CLV80 Cable 80 Meters	TRAFFICNOW	LV Standard Cable with Separate Ppower Pairs	1	\$560.00

SPECIAL NOTES HERE		The sensors come with standard length cables included. The communication between the sensor and the IO Board is certified to 12 Meters. TNS cannot guarantee functionality beyond this length		
PSU	TRAFFICNOW	24VDC Power Supply (industrial temperature range/ DIN rail mount)	1	\$102.00
SRG	TRAFFICNOW	8-Pin surge/lightning protection for CAT5, both power and Ethernet	1	\$118.00
SRG/IND	TRAFFICNOW	8-Pin surge/lightning protection for CAT5, both power and Ethernet(industrial, extended temperature range IP66)	1	\$318.00
ANT/COMB	TRAFFICNOW	Combined GPS/3G antenna for R-model/B-Model, for roof-mounting on metal cabinets	1	\$128.00
DEEPBLUE CORE DATA COLLECTION				
VCCRTMS	TRAFFICNOW	Centralized data collection platform for traffic data such as volume, occupancy and speed. Offers per-lane, per-direction and all lanes reports in different time intervals. (price is per sensor per year)	1	\$156.00
VCCRTMS/TEMP	TRAFFICNOW	Centralized data collection platform for traffic data such as volume, occupancy and speed. Offers per-lane, per-direction and all lanes reports in different time intervals. Temporary data collection installation (Less than 6 months)(per sensor)	1	\$102.00
DEEPBLUE CORE VARIABLE MESSAGE SIGN				
VCCVMS	TRAFFICNOW	Real-time data feeds to Variable Message Sign(per sign, per year)	1	\$156.00
VCCVMS/TEMP	TRAFFICNOW	Temporary data collection installation (Less than 6 months)(per sign, per year)	1	\$102.00
DEEPBLUE CORE				
VCC	TRAFFICNOW	Robust real-time algorithms with strong filters for providing reliable travel-times. (per sensor, per year)	1	\$415.00
VCC/TEMP	TRAFFICNOW	Temporary travel-time installation(less than 6 months)(per sensor)	1	\$220.00
DEEPBLUE CORE+				
VCC+	TRAFFICNOW	12 different full city origin/destination matrices. Includes all DeepBlue Core features. (per sensor, per year)	1	\$550.00
VCC+/TEMP	TRAFFICNOW	Temporary full OD Matrix installation(less than 6 months)(per sensor)	1	\$315.00
DEEPBLUE CORE SERVER INSTALLATION, CONFIGURATION & SET-UP				
DB/CORE-INST	TRAFFICNOW	Robust real-time algorithms with strong filters for providing reliable travel-time information. Perfectly suited for integrating into Traffic Managements systems	1	\$5,250.00
DEEPBLUE CORE PROJECT LICENSES				
DB/CORE 30	TRAFFICNOW	Robust real-time algorithms with strong filters for providing reliable travel-time information. Perfectly suited for integrating into Traffic Managements systems. One year maintenance included. Licenses for up to 30 sensors	1	\$22,500.00
DB/CORE 100	TRAFFICNOW	Robust real-time algorithms with strong filters for providing reliable travel-time information. Perfectly suited for integrating into Traffic Managements systems. One year maintenance included. Licenses for up to 100 sensors	1	\$60,375.00
DB/CORE 200	TRAFFICNOW	Robust real-time algorithms with strong filters for providing reliable travel-time information. Perfectly suited for integrating into Traffic Managements systems. One year maintenance included. Licenses for up to 200 sensors	1	\$90,000.00
DB/CORE X	TRAFFICNOW	Robust real-time algorithms with strong filters for providing reliable travel-time information. Perfectly suited for integrating into Traffic Managements systems. One year maintenance included. Licenses for more than 200 sensors	1	\$100,750.00

DEEPBLUE CORE+ PROJECT LICENSES				
DB/CORE 30+	TRAFFICNOW	12 different full city origin/destination matrices. Includes all DeepBlue Core features. One year maintenance included. Licenses for up to 30 sensors.	1	\$30,500.00
DB/CORE 100+	TRAFFICNOW	12 different full city origin/destination matrices. Includes all DeepBlue Core features. One year maintenance included. Licenses for up to 100 sensors.	1	\$90,000.00
DB/CORE 200+	TRAFFICNOW	12 different full city origin/destination matrices. Includes all DeepBlue Core features. One year maintenance included. Licenses for up to 200 sensors.	1	\$120,750.00
DB/CORE X+	TRAFFICNOW	12 different full city origin/destination matrices. Includes all DeepBlue Core features. One year maintenance included. Licenses for up to 200 sensors.	1	\$147,650.00
DEEPBLUE CORE/CORE+ SERVER MAINTENANCE				
DB/CORE-MNT	TRAFFICNOW	Optional yearly maintenance fee(starting second year). Does not include software upgrades. Remote connection to server required.	1	\$5,050.00
HYDRA001	WTI	WTI Hydra 265 Transcoder	1	\$2,950.00
SWCM-PF-C	WTI	Sidewinder Cable for SW720A with Female Connector and Open End, Length per Ft.	1	\$9.00
SWCA2A	WTI	Sidewinder Cable, AMP Male to AMP Female, Length per Ft.	1	\$9.00
SWCM2A	WTI	Sidewinder Cable, MS Female to AMP Male, COHU Adapter, Length per Ft.	1	\$9.00
SWCA-PF	WTI	Sidewinder Cable for SW720A Length per Ft.	1	\$9.00
15-4-1430	WTI	Sidewinder Mounting Plate, Square, 6"x6"x3/8"	1	\$90.00
SP-4157-PNC TOP MOUNT	WTI	Sidewinder Pedestal Mount 6"	1	\$173.00
SWWM1 w/VPA	WTI	Sidewinder Wall Mount with Vertical Pole Mount Adapter.	1	\$215.00
WTI-POE-I-ALT	WTI	Sidewinder POE Injector	1	\$475.00
VS720A-H.264-HD30-AC-BR	WTI	Viper PTZ Camera, 85-265 VAC, Analog/HD Hybrid	1	\$5,300.00
VS720-H.264-HD30L-AC-A	WTI	SW 1.5 PTZ Camera, 85-265 VAC, Bottom Egress, HD30L	1	\$5,300.00
VS720-H.264-HD30L-AC-AR	WTI	SW 1.5 PTZ Camera, 85-265 VAC, Bottom Egress, HD30L, AMP & RJ-45	1	\$5,300.00
VS720-H.264-HD30L-AC-ARE	WTI	SW 1.5 PTZ Camera, 85-265 VAC, Bottom Egress, HD30L, AMP Connector	1	\$5,300.00
VS720-H.264-HD30L-AC-BE	WTI	SW 1.5 PTZ Camera, 85-265 VAC, Bottom Egress, HD30L, Engine Brake	1	\$5,300.00
VS720-H.264-HD30L-AC-BR	WTI	SW 1.5 PTZ Camera, 85-265 VAC, Bottom Egress, HD30L, MS Connector	1	\$5,300.00
VS720-H.264 HD30L-POE-R	WTI	SW 1.5 PTZ Camera, 85-265 VAC, Bottom Egress, HD30L, POE, RJ-45 w Coupler	1	\$5,325.00
VS720-H.264 HD30L-POE-RE	WTI	SW 1.5 PTZ Camera, 85-265 VAC, Bottom Egress, HD30L, POE	1	\$5,625.00
ECHA (802.11 at/af, Serial Port, GPS, RSSI LED, Reset Button) SINGLE UNIT				
ECHA5-1	XILOQ	Echa - Single Radio with Intregrated Dual Polarization Antenna - 5.8GHz- Up to 300Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,500.00
ECHA4-1	XILOQ	Echa - Single Radio with Intregrated Dual Polarization Antenna - 4.9GHz- Up to 300Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,500.00
ECHA2-1	XILOQ	Echa - Siingle Radio with Intregrated Dual Polarization Antenna - 2.4 GHz- Up to 300Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,500.00
ECHA5-E	XILOQ	Echa - Siingle Radio with Dual External Antenna Connectors - 5.8GHz- Up to 300Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,420.00

ECHA4-E	XILOQ	Echa - Single Radio with Dual External Antenna Connectors - 4.9GHz- Up to 300Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,420.00
ECHA2-E	XILOQ	Echa - Single Radio with Dual External Antenna Connectors - 2.4GHz- Up to 300Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,420.00
DUAL UNITS				
ECHA55-DI	XILOQ	Echa - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (2) 5.8GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,980.00
ECHA44-DI	XILOQ	Echa - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (2) 4.9GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,980.00
ECHA22-DI	XILOQ	Echa - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (2) 2.4GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,980.00
ECHA54-DI	XILOQ	Echa - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (1) 5.8GHz-(1) 4.9GHz Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,980.00
ECHA52-DI	XILOQ	Echa - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (1) 5.8GHz-(1) 2.4GHz Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,980.00
AX42-DI	XILOQ	Echa - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (1) 4.9GHz-(1) 2.4GHz Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,980.00
ECHA55-DE	XILOQ	Echa - Dual Radio with 4 External Antenna Connectors (2) 5.8GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,930.00
ECHA44-DE	XILOQ	Echa - Dual Radio with 4 External Antenna Connectors (2) 4.9GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,930.00
ECHA22-DE	XILOQ	Echa - Dual Radio with 4 External Antenna Connectors (2) 2.4GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,930.00
ECHA54-DE	XILOQ	Echa - Dual Radio with 4 External Antenna Connectors-(1) 5.8 (1) 4.9GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,930.00

ECHA52-DE	XILOQ	Echa - Dual Radio with 4 External Antenna Connectors-(1) 5.8 (1) 2.4GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,930.00
ECHA42-DE	XILOQ	Echa - Dual Radio with 4 External Antenna Connectors-(1) 4.9 (1) 2.4GHz-Up to 600Mbps Gigabit PoE Compliant (IEEE 802.3AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,930.00
EURUS 58-INT	XILOQ	5.8 Ghz, Up to 108Mbps, Intregrated 23dBi Antenna, Access Point or Remote Station. Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$1,960.00
EURUS5-1	XILOQ	Single Radio with Integrated Dual Polarity Antenna 5.8 Ghz, Up to 300Mbps, Includes RSSI LED, Reste Button Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$2,070.00
EURUS4-1	XILOQ	Single Radio with Integrated Dual Polarity Antenna 4.9 Ghz, Up to 300Mbps, Includes RSSI LED, Reste Button Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$2,070.00
EURUS2-1	XILOQ	Single Radio with Integrated Dual Polarity Antenna 2.4 Ghz, Up to 300Mbps, Includes RSSI LED, Reste Button Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$2,070.00
EURUS5-E	XILOQ	Single Radio with Dual External Connectors 5.8 Ghz, Up to 300Mbps, Includes RSSI LED, Reste Button Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$2,070.00
EURUS4-E	XILOQ	Single Radio with Dual External Connectors 4.9 Ghz, Up to 300Mbps, Includes RSSI LED, Reste Button Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$2,070.00
EURUS2-E	XILOQ	Single Radio with Dual External Connectors 2.4 Ghz, Up to 300Mbps, Includes RSSI LED, Reste Button Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$2,070.00
EURUS 5824-INT	XILOQ	5.8 Ghz, Up to 108Mbps, Intregrated 23dBi Antenna with Embedded Wi-Fi(802.11b/g). Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$2,610.00
EURUS 58-SA	XILOQ	5.8 Ghz, Up to 108Mbps, Stand Alone Access Point or Remote Station. Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLUDED	1	\$1,960.00
EURUS 5858-SA	XILOQ	Dual BBS Radio(5.8/5.8GHz) Stand Alone Enclosure, 2 Antenna Ports(Type N-F). Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLUDED	1	\$2,860.00
EURUS 5824-SA	XILOQ	Dual BBS Radio(5.8/2.4GHz) Stand Alone Enclosure, 2 Antenna Ports(Type N-F). Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLUDED	1	\$2,860.00
EURUS 5858-INT	XILOQ	5.8 Ghz, Up to 261Mbps, Dual Radio. Includes (2) 23dBi Panel Antennas, Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$3,115.00
EURUS 58-SE	XILOQ	5.8 Ghz, Up to 261Mbps, Dual Radio. Includes 2 Adjustable Sector Antennas, Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$3,450.00
EURUS 49-INT	XILOQ	4.9 Ghz, Up to 54Mbps, Integrated 23dBi Antenna Access Point or Remote Station. Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable.	1	\$1,960.00
EURUS 49-SA	XILOQ	4.9 Ghz, Up to 54Mbps, Stand Alone Access Point or Remote Station. Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLLUDED.	1	\$2,020.00
EURUS 4949-SA	XILOQ	4.9 Ghz, 2x108 Mbps, Stand Alone Access Point or Remote Station. Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLLUDED.	1	\$2,960.00
EURUS 4949-INT	XILOQ	4.9 Ghz, 2x108 Mbps, Dual Radio. Includes Mounting Hardware, (2) 23 dBi Panel Antennas, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLUDED	1	\$3,260.00
EURUS 24-INT	XILOQ	2.4 Ghz, Up to 108 Mbps, Integrated 19dBi Antenna Access Point or Remote Station. Includes Mounting Hardware,PoE Injector and 160' Outdoor Ethernet Cable.	1	\$1,960.00
EURUS 24-SA	XILOQ	2.4 Ghz, Up to 108 Mbps, Stand Alone Access Point or Remote Station. Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLLUDED.	1	\$1,960.00
EURUS 2424-SA	XILOQ	2.4 Ghz, Up to 108 Mbps, Dual Radio. Stand Alone Access Point or Remote Station. Includes Mounting Hardware, PoE Injector and 160' Outdoor Ethernet Cable. NO ANTENNAS INCLLUDED.	1	\$2,860.00

EURUS 2424-INT	XILOQ	2.4 Ghz, Up to 216Mbps, Dual Radio.Includes Mounting Hardware, (2) 19dBi Panel Antennas,,PoE Injector and 160' Outdoor Ethernet Cable.	1	\$3,115.00
HELIOS (802.11ac, Serial Port, HD Bracket, GPS, RSSI LED, Reset Button) SINGLE UNIT				
Helios5ac-I	XILOQ	Helios - Single Radio with Intregrated Dual Polarization Antenna - 5.8GHz- Up to 866Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,620.00
Helios5ac-E	XILOQ	Helios - Single Radio with Dual External Antenna Connector- 5.8GHz- Up to 866Mbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,620.00
DUAL UNITS				
Helios5ac5ac-DI	XILOQ	Helios - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (2)- 5.8GHz- Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
Helios5ac-I	XILOQ	Helios - Dual Radio with 4 External Connectors - (2) 5.8GHz- Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
Helios55ac-DI	XILOQ	Helios - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (2)- 5.8GHz- Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
Helios45ac-DI	XILOQ	Helios - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (1) 5.8 (1)- 4.9GHz- Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
Helios25ac-DI	XILOQ	Helios - Dual Radio with Integrated Dual Polarity Antenna and Dual External Antenna Connectors (1) 5.8 (1)- 2.4GHz- Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
Helios55ac-DE	XILOQ	Helios - Dual Radio with 4 External Connectors - (2) 5.8GHz- Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
Helios45ac-DE	XILOQ	Helios - Dual Radio with 4 External Connectors - (1) 5.8GHz-(1) 4.9GHz Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
Helios25ac-DE	XILOQ	Helios - Dual Radio with 4 External Connectors - (1) 5.8GHz-(1) 2.4GHz Up to 1.7Gbps, Gigabit PoE Compliant (IEEE 802.11AF/AT). Embedded GPS, Power LED, RSSI LEDs and Reset Button. Includes Mounting Hardware and 160' Outdoor Ethernet Cable, PoE Injector included	1	\$2,550.00
EURUS (RSSI LED, Reset Button)				
EURUS5-I	XILOQ	EURUS Single Radio with Integrated Dual Polarity Panel Antenna - 5.8GHz - Up to 300Mbps	1	\$2,070.00
EURUS4-I	XILOQ	EURUS Single Radio with Integrated Dual Polarity Panel Antenna - 4.9GHz - Up to 300Mbps	1	\$2,070.00
EURUS2-I	XILOQ	EURUS Single Radio with Integrated Dual Polarity Panel Antenna - 2.4GHz - Up to 300Mbps	1	\$2,070.00
EURUS5-E	XILOQ	EURUS Single Radio with Dual External Antenna Connectors - 5.8GHz - Up to 300Mbps	1	\$2,070.00

EURUS4-E	XILOQ	EURUS Single Radio with Dual External Antenna Connectors - 4.9GHz - Up to 300Mbps	1	\$2,070.00
EURUS2-E	XILOQ	EURUS Single Radio with Dual External Antenna Connectors - 2.4GHz - Up to 300Mbps	1	\$2,070.00
ECHA-POEB	XILOQ	Basic Gigabit PoE Injector and Splitter	1	\$98.00
ECHA POE	XILOQ	1-Port Gigabit PoE Injector-Operating temperature of -40 to +80C(50 Watt output) Will power up to 4 cluster radio	1	\$450.00
EU-BB-POE	XILOQ	PoE with Surge Protection. BBS Power Supplies(24 or 48 ADC) are required	1	\$115.00
EU-PS-48	XILOQ	BBPoE Power Supply:Input 100-240VAC, 50/60Hz Output 48VDC, 1.03A(3 and 4 radio units)	1	\$495.00
EU-PS-24	XILOQ	BBPoE Power Supply:Input 100-240VAC, 50/60Hz Output 24VDC, 1.03A(1 and 2 radio units)	1	\$495.00
Borealis 900	XILOQ	900Mhz, 115Kbps FHSS wireless data transceiver, RS232,RS422, RS485, 6-30 volts, N(M) connector	1	\$1,340.00
AN-11-Y	XILOQ	Yagi Directional Antenna, 11 dBi, 7 element, 890-960 MHz, 3" clamp included, N(F) connector	1	\$280.00
AN-08-Y	XILOQ	Yagi Directional Antenna, 8 dBi, 4 element, 890-960 MHz, 3" clamp included, N(F) connector	1	\$265.00
AN-12-Y	XILOQ	Yagi Directional Antenna, 12 dBi, 7 element, 890-960 MHz, heavy duty mounting hardware included, N(F) connector	1	\$335.00
AN-RD	XILOQ	9" Stub Antenna-902-928 MHz, SMA connector and N(M) adapter included	1	\$113.00
AN-05-0	XILOQ	5dB - 48" Omni Antenna in fiberglass housing;, 902-928 MHz, 5 dB N(F) connector. Recommended Mounting Hardware: AN-MK-900 (Not included)	1	\$222.00
AN-06-0	XILOQ	6dB - 65" Omni Antenna in fiberglass housing;, 902-928 MHz, 6 dB N(F) connector. Recommended Mounting Hardware: AN-MK-900 (Not included)	1	\$228.00
AN-MK--900	XILOQ	Omni Antenna: Mount for 900MHz, fiberglass Omni Heavy Duty	1	\$135.00
AN-03-0	XILOQ	Mobile Low Profile Antenna -3dBi 900 MHz, 6 dB N type connector	1	\$128.00
AN-MM--900	XILOQ	Magnet Mount 12' cable (must specify connector type) NO ANTENNA INCLUDED	1	\$687.00
AN-15-Y-24	XILOQ	Enclosed Yagi Antenna, 2.4-2.4835GHz,15 dBi gain, 20dBi F/B ratio, N(F) Mounting Hardware included	1	\$308.00
AN-06-0-24	XILOQ	2.4GHz, Omni Antenna (6dBi): Recommended Mounting Hardware: AN-MK-24 (NOT INCLUDED)	1	\$297.00
AN-MK-24	XILOQ	Omni Mount (L-Bracket)	1	\$353.00
ANBB-23-4958-DP	XILOQ	Dual Polarized Panel Antenna, 23dBi, N-(F)(F), 4.9-5.90GHz Includes Mounting Hardware	1	\$330.00
ANBB-23-4958	XILOQ	Panel Directional Antenna, 23dBi, N-(F)(F), 4.9-5.90GHz Includes Mounting Hardware	1	\$330.00
ANBB-18-4958-5	XILOQ	Adjustable Sector Directional Antenna, 45,60,90,120 degrees 4.9-5.90GHz (Gain 14,15,16,18dBi) Antenna Mount Kit, includes Hub Plate, 2 aluminum pipes and 1 90 degree elbow, with 62" Cable	1	\$415.00
AN-MK-P	XILOQ	Antenna Mount Kit, includes Hub Plate, 2 aluminum pipes and 1 90 degree elbow, with 62" Cable	1	\$295.00
AN-900-PD	XILOQ	900MHz Power divider/splitter(2-way), N(F) connectors	1	\$225.00
AN-24-PD	XILOQ	2.4GHz Power divider/splitter(2-way), N(F) connectors	1	\$263.00
ANBB-58-PD	XILOQ	5.8GHz Power divider/splitter(2-way), N(F) connectors	1	\$265.00
ANBB-24-PD	XILOQ	2.4GHz Flat Panel Antenna 19dBi, N(F) connector c/w Mounting Hardware	1	\$325.00

City Council (FY24)

4. e.

Meeting Date: 10/10/2023

Department: Public Works

Pillars: Excellence in Asset Management
Excellence in Transportation Systems

Milestones: Improve all modes of transportation with infrastructure in an acceptable condition and well maintained
Promote and protect the Addison Way

AGENDA CAPTION:

Consider action on the purchase of a Model 435 street sweeper from TYMCO through BuyBoard and authorize the City Manager to execute the purchase order in an amount not to exceed \$217,357.

BACKGROUND:

The purpose of this item is to purchase a Model 435 TYMCO street sweeper through BuyBoard in an amount not to exceed \$217,357.

Currently, the Town relies on an external contract for street sweeping services. This purchase represents a significant enhancement in service level. By owning and operating a street sweeper, the Town can respond faster after ice or rainstorms and more readily to other problem areas. The street sweeper would also allow the establishment of a more consistent street cleaning schedule.

The sweeper is manufactured in Waco, Texas, and it is the same model as the one currently utilized at the airport. There is an estimated 6 to 8 month lead time for delivery.

This item will be purchased through BuyBoard. This state-wide collective purchasing agency bids out services and products for its members to provide the leverage needed to achieve better pricing on products, equipment, and services. Details of the street sweeper can be found in the attached quote.

The \$225,000 budget for the \$217,357 purchase was approved as a decision package as a part of the Fiscal Year 2024 budget process and will come out of the 2024 Stormwater budget. The decision package also included a full-time employee to be hired for the operation of the street sweeper. Staff plans to advertise for this position soon.

RECOMMENDATION:

Administration recommends approval.

Attachments

Tymco Street Sweeper Quote



Customer: City of Addison, TX
Quote Date: 9/25/2023
Quote Validity: 30 Days
Quoted By: Kaye Morgan
TYMCO Dealer: Industrial Disposl Supply - P
TYMCO Dealer Contact: Stephen Leaf
TYMCO Dealer Contact E-Mail: sleaf@idsequip.com

Purchasing Details: Issue Purchase Orders to TYMCO, Inc., ATTN: Kaye Morgan
 (kaye.morgan@tymco.com | 254-799-5546).

Quote is Good for 30 Days (Unless Otherwise Noted Above) | Pricing is Quoted in US Dollars (USD) | Payment Terms: Net 30 Days

MODEL 435® SWEEPER STANDARD EQUIPMENT

Auxiliary Engine: Kubota V2403-CR-TE48 Final Tier-4 turbocharged diesel liquid cooled; 4 cyl.; 148.5 CID; 56 HP @ 2100 RPM; Torque: 140 ft. lbs. @ 2100 RPM; includes fuel/water separator, Donaldson PowerCore® air filter with pre-cleaner. Includes Kubota Standard Warranty coverage 2 Years / 2000 Hours, contact factory for details.

Abrasion Protection Package: Standard hopper screen; separator liner; pick-up head suction nozzle liner and pressure wear pads; heavy duty pressure and suction hoses.

Auxiliary Engine Protection System: Engine ECU to provide automatic engine monitoring with derate or shutdown when engine problem is detected such as high coolant temperature or low oil pressure.

Back-Up Alarm: ECCO Model 510; SAE Type C 97dB

BlueLogic® Control System: Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in-cab controls to the auxiliary engine and all sweeper functions; as well as provides intelligent safety features. The BlueLogic Control System provides sweeper and auxiliary engine data to the operator through the touchscreen display and the multiplexed switch pack. The display is pedestal mounted for improved visibility and includes hour meters (Trip and Total) for the auxiliary engine, pick-up head, blower, gutter brooms and water pump if applicable; sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, dust control system winterization guide, and On-Board Diagnostics (OBD) for the auxiliary engine and sweeper.

Duo Skids: Warranted for 2 Years / 2000 hours prorated

Dust Control System: 150 gallon capacity translucent polyethylene water tank; 5 gpm electric diaphragm type pump; low water warning/indicator; spray nozzles at gutter broom and spray nozzle inside hopper, individually controlled; flexible 20-foot long water fill hose with 2-1/2" quick disconnect coupling; 3/4" garden hose fill connection. 150 Gallon Capacity only available on Conventional Truck Package & Isuzu NQR 150" wheel base trucks

Dust Separator Cleanout Plug Extension Handle

Gutter Broom, Left; LED Floodlight and Parabolic Mirror: Left side mounted 36" diameter steel vertical digger type; 10.5" parabolic mirror.

Hopper Drip-Edge Extension: Rubber belting extends horizontal reach 7".

Hopper Door Opening: Dimension 77-1/4" X 70", screen lifts with door.

Hopper Inspection Door

Hopper Safety Prop: Integral with frame and hopper.

Hydraulic System Filter Restriction Indicator: External; mounted in filter manifold.

Hydraulic Tank Sight/Temperature Gauge: External; mounted on tank.

LED Alternating Warning Light Set: Rear mounted oval lights (2).

Pressure Bleeder: Air pressure deflected out, allowing additional suction across front of pick-up head. Cable operated.

Rear Bumper Pads

Rear Mounted LED Floodlight (1)

Rear View Camera System: 3rd Eye®, heavy duty rear infrared camera with 7" color monitor mounted in cab

Reverse Pick-Up Head System: Assists in backing up with pick-up head down.

Rear Storage Compartments: Two rear storage compartments with a total 26.6 cubic foot capacity.

Rubber Lined Blower: Warranty: 1 Year / 1,000 Hours Prorated

435 Storage Compartment: A modular design multi-chamber compartment with a combined 55 cubic foot protected storage capacity, accessible from left or right hand side through large gull wing doors; auxiliary engine and blower area is easily accessed through swing away side access panels.

Sweeper Warranty: 1 Year / 1000 Hours. Contact factory for details.

Section / Type	Qty	Model 435® Sweeper and Cab/Chassis Equipment	BuyBoard Catalog Price	BuyBoard Discounted Price - 10%	BuyBoard Member Net Price Ext
435000	1	Model 435® Sweeper with Standard Equipment (Base Price)	\$115,500.00	\$103,950.00	\$103,950.00
1	AUXILIARY ENGINE HYDRAULIC OPTIONS:				
435053	1	Auxiliary Hydraulic System	\$1,300.00	\$1,170.00	\$1,170.00
2	GUTTER BROOM OPTIONS:				
435013	1	Gutter Broom, Twin; LED Floodlights & Parabolic Mirrors	\$3,200.00	\$2,880.00	\$2,880.00
435093	1	Gutter Broom Tilt Adjuster: Right	\$950.00	\$855.00	\$855.00
435093	1	Gutter Broom Tilt Adjuster: Left	\$950.00	\$855.00	\$855.00
435070	1	Gutter Broom Variable Speed: Right and Left	\$900.00	\$810.00	\$810.00
3	DUST CONTROL SYSTEM OPTIONS:				
Unpublished	1	Additional Left Gutter Broom Nozzle	\$445.00	\$400.50	\$400.50
Unpublished	1	Additional Right Gutter Broom Nozzle	\$445.00	\$400.50	\$400.50
Unpublished	1	Additional Hopper Nozzle	\$445.00	\$400.50	\$400.50
435005	1	Hi/Low Pressure Wash Down System	\$2,000.00	\$1,800.00	\$1,800.00
Unpublished	1	High Output Water System	\$834.00	\$750.60	\$750.60

Section / Type	Qty	Model 435® Sweeper and Cab/Chassis Equipment	BuyBoard Catalog Price	BuyBoard Discounted Price - 10%	BuyBoard Member Net Price Ext
4 HOPPER OPTIONS:					
435084	1	Dump Switch in Cab	\$250.00	\$225.00	\$225.00
435020	1	Hopper Drain System - Mild Steel	\$450.00	\$427.50	\$427.50
435061	1	Hopper Load Indicators	\$500.00	\$495.00	\$495.00
5 PICK-UP HEAD OPTIONS:					
435063	1	Pick-Up Head Curtain Lifter	\$1,800.00	\$1,620.00	\$1,620.00
Unpublished	1	Pick-Up Head Pressure Inlet Water Injection System	\$2,000.00	\$1,800.00	\$1,800.00
Unpublished	1	Skid Bumper Extension Set (3")	\$278.00	\$250.20	\$250.20
6 AUXILIARY HAND HOSE OPTIONS:					
435003	1	Auxiliary Hand Hose - Mild Steel	\$900.00	\$810.00	\$810.00
7 STAINLESS STEEL OPTIONS:					
435097	1	Stainless Steel Hopper (Exchange)	\$11,700.00	\$10,530.00	\$10,530.00
Unpublished	1	Stainless Steel Auxiliary Hand Hose	\$1,112.00	\$1,000.80	\$1,000.80
Unpublished	1	Stainless Steel Blower Housing (Exchange)	\$1,667.00	\$1,500.30	\$1,500.30
8 CONVENTIONAL TRUCK OPTION:					
9 SWEEPER ADDITIONAL OPTIONS:					
Unpublished	1	CurbView™ Camera System: Right Side Gutter Broom View	\$5,000.00	\$4,500.00	\$4,500.00
Unpublished	1	CurbView™ Pick-Up Head Camera (Additional)	\$1,112.00	\$1,000.80	\$1,000.80
Unpublished	1	Sweeper Paint: TYMCO Standard White	\$0.00	\$0.00	\$0.00
10 UNPUBLISHED SPECIAL SWEEPER OPTIONS:					
11 CAB CHASSIS:					
435703	1	2022-i Isuzu NQR (150"), 17,950 lb. GVW, 150" WB, Diesel	\$70,800.00	\$63,720.00	\$63,720.00
Unpublished	1	UPGRADE: 2024 Isuzu NQR (150"), 17,950 lb. GVW, 150" WB, Diesel *Includes Mechanical Seat & Power Mirrors	\$11,667.00	\$10,500.30	\$10,500.30
12 CHASSIS ADDITIONAL OPTIONS:					
435839	1	LED Amber Light Bar: Cab Mounted	\$1,500.00	\$1,350.00	\$1,350.00
435823	1	LED Amber Traffic Directing Light: Rear Mounted	\$950.00	\$855.00	\$855.00
		<i>Color:</i>			
Unpublished	1	Truck Paint: Standard Factory White	\$0.00	\$0.00	\$0.00
13 UNPUBLISHED SPECIAL CHASSIS OPTIONS:					
14 DEALER UNPUBLISHED OPTIONS:					
15 ADDITIONAL ITEMS:					
	1	Freight / PDI / Inservice	\$2,778.00	\$2,500.00	\$2,500.00

Purchasing Details: Issue Purchase Orders to TYMCO, Inc., ATTN: Kaye Morgan
(kaye.morgan@tymco.com | 254-799-5546).

Quote is Good for 30 Days (Unless Otherwise Noted Above) | Pricing is Quoted in US Dollars (USD) | Payment Terms: Net 30 Days

Total Price:	\$217,357.00
FOB:	Addison, TX
Delivery ARO:	180-240 Days - See NOTE Below

Notes 1.

NOTE: Delivery Subject to Truck Availability.

City Council (FY24)

4. f.

Meeting Date: 10/10/2023

Department: Public Works

Pillars: Excellence in Asset Management

Milestones: Implement the Asset Management Plan in accordance with the Asset Management Policy, utilizing information systems

AGENDA CAPTION:

Consider action on a Resolution approving a Professional Services Agreement (PSA) between the Town of Addison and Pure Technologies to provide non-destructive testing of the transmission water main line and authorizing the City Manager to execute the agreement in an amount not to exceed \$71,515.

BACKGROUND:

The purpose of this item is to seek approval for a PSA with Pure Technologies to perform non-destructive testing on the water transmission main line between the Celestial Pump Station and Addison Circle Water Tower.

The transmission main, originally installed in 1984 using Reinforced Concrete Cylinder Pipe, spans from the Celestial Pump Station to the Addison Circle Water Tower with a substantial portion under Quorum Drive. The primary objective of this testing is to identify any potential repair needs prior to the Quorum Drive Reconstruction Project.

Exhibit A of the PSA provides a detailed description of the condition assessment services. The selection of Pure Technologies for these services was based on their specialization in condition assessments and expertise in underground infrastructure solutions.

This service received approval as part of the Fiscal Year 2024 budget process as a decision package and will be funded from the Fiscal Year 2024 Utility budget.

RECOMMENDATION:

Administration recommends approval.

Attachments

Resolution - Pure Technologies US Inc.

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS APPROVING AN AGREEMENT WITH PURE TECHNOLOGIES U.S. INC. FOR CROSTOWN WATER LINE INSPECTION IN AN AMOUNT NOT TO EXCEED \$71,515.00; AUTHORIZING THE CITY MANAGER TO EXECUTE THE AGREEMENT; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council desires to authorize an agreement with Pure Technologies U.S. Inc. for Crosstown Water Line Inspection in conformance with the City’s requirements.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS:

SECTION 1. The City Council hereby approves the agreement between the Town of Addison and Pure Technologies U.S. Inc. in an amount not-to-exceed of \$71,515.00, a copy of which is attached to this Resolution as **Exhibit A**. The City Manager is hereby authorized to execute the agreement.

SECTION 2. This Resolution shall take effect from and after its date of adoption.

DULY RESOLVED AND ADOPTED by the City Council of the Town of Addison, Texas, on this the **10th** day of **OCTOBER**, 2023.

TOWN OF ADDISON, TEXAS

Bruce Arfsten, Mayor

ATTEST:

Irma Parker, City Secretary

EXHIBIT A

PROFESSIONAL SERVICES AGREEMENT CROSTOWN WATER LINE INSPECTION

This Professional Services Agreement (“Agreement”) is made by and between the **Town of Addison, Texas** (“City”), and **Pure Technologies U.S. Inc.** (“Professional”) (each a “party” and collectively the “parties”), acting by and through their respective authorized representatives.

RECITALS

WHEREAS, City desires to engage Professional to perform certain work and services, hereinafter referred to only as “services”, as further specified in the Scope of Services defined in Section 1 of this Agreement; and

WHEREAS, Professional has expressed a willingness to perform said services in conformance with this Agreement.

NOW, THEREFORE, for and in consideration of the covenants and promises made one to the other herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

Section 1. Scope of Services

Upon written notice to proceed by City, Professional agrees to provide to City Crosstown Water Line Inspection (“Project”), as set forth in the Scope of Services attached hereto as **Exhibit “A”** and incorporated herein by reference (the “Scope of Services”). Professional shall not be entitled to any claim for extra services, additional services or changes in the services without a written agreement with City prior to the performance of such services.

Section 2. Term of Agreement

The term of this Agreement shall begin on the last date of execution hereof (the “Effective Date”) and shall continue until Professional completes the services required herein and the City has accepted the same, unless sooner terminated as provided in this Agreement.

Section 3. Professional’s Obligations

(a) Performance of Services. Professional shall furnish and pay for all labor, tools, software, materials, equipment, supplies, transportation and management necessary to perform the services. To the extent reasonably necessary, Professional may engage the services of any agents, assistants, or other persons that Professional may deem proper to assist in the performance of the services under this Agreement; provided, that Professional shall be responsible for all costs related thereto, except as expressly authorized in writing in advance by City.

(b) Site Access. City will endeavor to provide such rights of access on any project site as may be reasonably necessary for Professional to perform any necessary studies, surveys, tests or other required investigations in relation to the services; provided, that City shall have no obligation to (i) provide off-site access, (ii) provide access to private property for which City does not have an existing right to access, nor (ii) incur any costs associated with the access to be provided under this Agreement.

(c) Standard of Care. Professional shall perform the services with the skill and care ordinarily provided by competent professionals practicing in the same or similar locality and under the same or similar

circumstances and professional licenses. Professional shall be responsible for the professional quality, technical accuracy, and the coordination of all services, including all Project Documents, designs, drawings, specifications, plans, reports, presentations and all other services furnished by Professional under this Agreement. Professional shall, without additional compensation, correct or revise any errors or deficiencies in the services. Professional shall further make, without expense to City, such revisions to the Project Documents as may be required to meet the needs of City and which are within the Professional's Scope of Services.

(d) Additional Services. Should City require additional services not included under this Agreement, Professional shall make reasonable effort to provide such additional services in accordance with the fee schedule set forth in **Exhibit A**, and within the time schedule prescribed by City; and without decreasing the effectiveness of the performance of services required under this Agreement.

(e) No Waiver of City's Rights. Neither City's review, approval, acceptance of, nor payment for any of the services required under this Agreement, shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement, and Professional shall be and remain liable to City in accordance with applicable law for all damages to City caused by Professional's negligent performance of any of the services furnished under this Agreement.

(f) Independent Contractor. It is understood and agreed by and between the parties that Professional, while performing under this Agreement, is acting independently, and that City assumes no responsibility or liabilities to any third party in connection with Professional's actions. All services to be performed by Professional pursuant to this Agreement shall be in the capacity of an independent contractor, and not as an agent or employee of City. Professional shall supervise the performance of its services and shall be entitled to control the manner and means by which its services are to be performed, subject to the terms of this Agreement. There is no intended third-party beneficiary to this Agreement.

(g) Inspection of Records. Professional grants City and its designees the right to audit, examine or inspect, at City's election, all of Professional's Records (defined below) relating to the performance of services under this Agreement, during the term of the Agreement and any retention period herein. City's audit, examination, or inspection of Professional's Records may be performed by a City designee, which may include its internal auditors or an outside representative engaged by City. Professional agrees to retain Professional's Records for a minimum of four (4) years following termination of the Agreement, unless there is an ongoing dispute under the contract; then, such retention period shall extend until final resolution of the dispute. "Professional's Records" shall include any and all information, materials and data of every kind and character generated in connection with the services under this Agreement. City agrees that it will exercise its right to audit, examine or inspect Professional's Records during regular business hours unless City has provided advance written notice of an alternate time. Professional agrees to allow City and its designees access to all of Professional's Records, Professional's facilities, and the current or former employees of Professional, to the extent deemed reasonably necessary by City or its designee(s), to perform such audit, inspection or examination.

(h) Certification of No Conflicts. Professional hereby warrants to the City that Professional has made full disclosure in writing of any existing or potential conflicts of interest related to Professional's services under this Agreement. In the event that any conflicts of interest arise after the Effective Date of this Agreement, Professional hereby agrees immediately to make full disclosure to the City in writing.

(i) Hazardous Materials. Professional shall report the presence and location of any hazardous materials it notices or which an professional of similar skill and experience should have noticed to the City.

Section 4. Performance Schedule

(a) Time for Performance. Professional shall perform all services as provided for under this Agreement in a proper, efficient, timely, and professional manner in accordance with City's requirements. In the event Professional's performance of this Agreement is delayed or interfered with by acts of the City or others, Professional may request an extension of time in conformance with this Section 4 for the performance of same as hereinafter provided but shall not be entitled to any increase in fee or price, or to damages or additional compensation as a consequence of such delays.

(b) Extensions; Written Request Required. No allowance of any extension of time, for any cause whatever (including an event of Force Majeure as defined herein below), shall be claimed or made to Professional, unless Professional shall have made written request upon City for such extension within forty-eight (48) hours after the cause for such extension occurred, and unless City and Professional have agreed in writing upon the allowance of additional time to be made.

Section 5. Documents

(a) Project Documents. All proposals, reports, studies, surveys, applications, drawings, plans, specifications, data, and other documents, whether in draft form or final form (including any electronic format) prepared by Professional and its employees, consultants, subcontractors, agents, or representatives (collectively referred to in this section as "Professional) for the use and/or benefit of City in connection with this Agreement ("Project Documents"). Professional shall be deemed the authors of their respective component of the Project Documents. Notwithstanding, upon payment by City as required by this Agreement, City shall own, have, keep and retain all rights, title and interest in and to all Project Documents, including all ownership, common law, statutory, and other reserved rights, including copyrights (except copyrights held by the Professional) in and to all Project Documents, whether in draft form or final form, which are produced at City's request and in furtherance of this Agreement. City shall have full authority to authorize any contractor(s), subcontractors, consultants, and material or equipment suppliers to reproduce applicable portions of the Project Documents to and for use in their execution of the services or for any other purpose. Acceptance and approval of the Project Documents by City shall not constitute nor be deemed a release of the responsibility and liability of Professional for the accuracy or competency of its designs, working drawings, specifications, or other documents; nor shall such approval be deemed to be an assumption of such responsibility by City for any defect in the designs, working drawings and specifications, or any other documents prepared by Professional.

(b) Professional's Documents. All previously owned intellectual property of Professional, including but not limited to any computer software (object code and source code), tools, systems, equipment or other information used by Professional or its suppliers in the course of delivering the Services hereunder, and any know-how, methodologies or processes used by Professional to provide the services or protect deliverables to City, including without limitation, all copyrights, trademarks, patents, trade secrets and any other proprietary rights inherent therein and appurtenant thereto ("Professional's Documents"), shall remain the sole and exclusive property of Professional. Notwithstanding, Professional agrees that City shall have the right to access to all such information and City is granted the right to make and retain copies of Professional's Documents. City acknowledges that any reuse of Professional's Documents without specific written verification or adaptation by Professional will be at City's sole risk and without liability or legal exposure to Professional.

(c) Confidential Information. Professional agrees it will notify City in writing if it considers specific information to be confidential or proprietary trade secrets and will use its best efforts to clearly mark all such information as "Confidential" and/or "Proprietary – Trade Secret" at the time it is delivered or made accessible to City. City acknowledges that all such designated information is considered by Professional to be confidential and the exclusive property of Professional. Notwithstanding the foregoing,

Professional acknowledges that this Agreement, and all services performed hereunder, are subject to the legal requirements of the Texas Public Information Act and that City will have no obligation to protect or otherwise limit disclosure of any confidential or proprietary information if Professional has not notified City of such designation in conformance with this section. Professional agrees and covenants to protect any and all proprietary rights of City (or other persons) in any materials provided to Professional by City. Additionally, any materials provided to Professional by City shall not be released to any third party without the consent of City and shall be returned intact to City upon termination or completion of this Agreement if instructed to do so by City. In the event City delivers to Professional any information that has been expressly marked "Confidential" or has notified Professional is confidential or is the proprietary information of a third-party, Professional agrees it shall not disclose to anyone directly or indirectly during the term of this Agreement or at any time thereafter, any such information, nor shall it use any such information for any purpose other than as reasonably necessary in connection with Professional's performance of the services under this Agreement. Professional shall further, at its own expense, defend all suits or proceedings instituted against City and pay any award of damages or loss resulting from an injunction, against City, insofar as the same are based on any claim that materials or services provided under this Agreement constitute an infringement of any patent, trade secret, trademark, copyright or other intellectual property rights. Notwithstanding, the foregoing confidentiality obligations shall not extend to and nothing herein shall limit either party's right to disclose any information provided hereunder which: (i) was or becomes generally available to the public, other than as a result of a disclosure by the receiving party or its personnel; (ii) was or becomes available to the receiving party or its representatives on a non-confidential basis, provided that the source of the information is not bound by a confidentiality agreement or otherwise prohibited from transmitting such information by a contractual, legal, or fiduciary duty; (iii) was independently developed by the receiving party without the use of any confidential information of the disclosing party; or (iv) is required to be disclosed by applicable law or a court order. Notwithstanding anything herein to the contrary, Professional will have a limited, non-exclusive, royalty-free license to utilize data collected and received in the performance of services hereunder for purposes of (a) providing services, (b) analyzing and improving the services, and (c) internal research and development for the benefit of Professional and City.

Section 6. Payment

(a) Compensation. Professional's compensation shall be as specified in the payment schedule set forth in **Exhibit A**; provided, that the total compensation under this Agreement shall not exceed SEVENTY-ONE THOUSAND, FIVE HUNDRED AND FIFTEEN DOLLARS (\$71,515.00).

(b) Payment Terms. City agrees to pay Professional for all services authorized in writing and properly performed by Professional in general conformance with the fee schedule set forth in **Exhibit A**, subject to changes in the Scope of Services or additional services agreed upon in writing. Unless otherwise agreed in writing, all payments to Professional by City shall be based on detailed monthly invoices submitted by Professional for work performed and accepted by City, less any previous payments. Payment will be due within thirty (30) days of the City's receipt and acceptance of an approved invoice. Notwithstanding the foregoing, City reserves the right to delay, without penalty, any payment to Professional when, in the opinion of City, Professional has not made satisfactory progress on the Project as described in the Scope of Services.

(c) Deductions. City may deduct from any amounts due or to become due to Professional any sum or sums owing by Professional to City. In the event of any breach by Professional of any provision or obligation of this Agreement, or in the event of the assertion by other parties of any claim or lien against City, or City's premises, arising out of Professional's performance of this Agreement, City shall have the right to retain out of any payments due or to become due to Professional an amount sufficient to completely protect City from any and all reasonably anticipated loss, damage or expense therefrom, until the breach, claim or lien has been satisfactorily remedied or adjusted by Professional.

Section 7. Default; Force Majeure

(a) Default; Notice to Cure. A party shall be deemed in default under this Agreement if the party is in breach of a material provision of this Agreement and said breach is not cured within fifteen (15) days written notice of default by the other party. In the event the breaching party has notified the other party in writing that it is diligently working to cure the breach and has provided reasonable written evidence in support of the same, the breaching party shall not be deemed in default until the thirtieth (30th) day following the non-breaching party's notice of default.

(b) Default by Professional. In addition to default under Section 7(a) above, Professional shall be in default under this Agreement if Professional fails to comply or becomes disabled and unable to comply with the provisions of this Agreement related to Professional's performance of the services, including the quality or character of the services or time of performance for any material component of the services. If such default is not corrected within ten (10) days from the date of City's written notice to Professional regarding the same, City may, at its sole discretion without prejudice to any other right or remedy:

- (i) Terminate this Agreement and be relieved of the payment of any further consideration to Professional except for all services determined by City to be satisfactorily completed prior to termination. Payment for work satisfactorily completed shall be for actual costs, including reasonable salaries and travel expenses of Professional to and from meetings called by City at which Professional is required to attend, but shall not include any loss of profit of Professional. In the event of such termination, City may proceed to complete the services in any manner deemed proper by City, either by the use of its own forces or by re-subletting to others; or
- (ii) City may, without terminating this Agreement or taking over the services, furnish the necessary labor, materials, equipment, supplies and/or assistance necessary to remedy the situation, at the expense of Professional.

(c) Force Majeure. To the extent either party of this Agreement shall be wholly or partially prevented from the performance of any obligation or duty placed on such party by reason of or through stoppage of labor, riot, fire, flood, acts of war, insurrection, court judgment, or a government restriction, quarantine or mandatory closure order enacted in response to a pandemic or other public health crises, or other specific cause reasonably beyond the party's control and not attributable to its malfeasance, neglect or nonfeasance (each an event of "Force Majeure"), the time for performance of such obligation (other than a payment obligation) may be extended for a period equal to the time lost by reason such event, provided, that the party complies with the provisions of this section. Specifically, the party asserting Force Majeure (i) shall give prompt notice to the other party of the prevention of performance as soon as the asserting party is reasonably aware of such prevention, and (ii) has the burden of demonstrating: (1) how and why their performance was so prevented, (2) the period of time during which they were so prevented from performing (which under the facts may be equal to, or shorter or longer than, the duration of the Force Majeure event itself), and (3) that the party used commercially reasonable efforts to mitigate and/or eliminate such prevention and resumed performance under this Agreement as soon as reasonably practicable.

Section 8. Termination; Suspension

(a) Termination Upon Default. Either party may terminate this Agreement upon written notice if the other party is in default of this Agreement, subject to the defaulting party's right to cure in conformance with the terms of this Agreement.

(b) Termination by City. City shall be entitled to terminate this Agreement, with or without

cause, by providing thirty (30) days prior written notice to Professional.

(c) Termination Following Request for Modification. Should City require a modification of this Agreement with Professional, and in the event City and Professional fail to agree upon a modification to this Agreement, City shall have the option of terminating this Agreement and Professional's services hereunder at no additional cost other than the payment to Professional, in accordance with the terms of this Agreement, for the services reasonably determined by City to be properly performed by Professional prior to such termination date.

(d) Suspension. City reserves the right to suspend this Agreement for the convenience of City by issuing a written notice of suspension which shall describe City's reason(s) for the suspension and the expected duration of the suspension. Such expected duration shall, in no way, guarantee what the total number of days of suspension shall occur. Such suspension shall take effect immediately upon Professional's receipt of said notice. Should such suspension extend past the expected duration identified by City in its latest notice of suspension, Professional shall have the right to terminate this Agreement if (i) Professional provides not less than thirty (30) days prior written notice to City requesting to recommence the services, and (ii) City does not recommence the services within the time requested.

Section 9. Insurance

Professional shall during the term hereof maintain in full force and effect all policies of insurance reasonably required by City. Professional's obligation to provide acceptable certificates of insurance is a material condition precedent to this Agreement, and services under this Agreement shall not commence until certificates of insurance have been received, reviewed, and accepted by City. The minimum coverages and limits of liability for the policies of insurance required for the specific services under this Agreement are maintained by and accessible through the City's purchasing department.

Section 10. Indemnification; Notice.

CITY SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE, OR INJURY OF ANY KIND OR CHARACTER TO ANY PERSON OR PROPERTY ARISING FROM THE SERVICES OF PROFESSIONAL PURSUANT TO THIS AGREEMENT. PROFESSIONAL HEREBY WAIVES ALL CLAIMS AGAINST CITY, ITS OFFICERS, AGENTS AND EMPLOYEES (COLLECTIVELY REFERRED TO IN THIS SECTION AS "CITY INDEMNITEES") FOR DAMAGE TO ANY PROPERTY OR INJURY TO, OR DEATH OF, ANY PERSON ARISING AT ANY TIME AND FROM ANY CAUSE OTHER THAN THE NEGLIGENCE OR WILLFUL MISCONDUCT OF THE CITY INDEMNITEES. PROFESSIONAL AGREES TO INDEMNIFY AND SAVE HARMLESS THE CITY INDEMNITEES FROM AND AGAINST ANY AND ALL THIRD-PARTY LIABILITIES, DAMAGES, CLAIMS, SUITS, COSTS (INCLUDING COURT COSTS, REASONABLE ATTORNEYS' FEES AND COSTS OF INVESTIGATION) AND ACTIONS OF ANY KIND BY REASON OF INJURY TO OR DEATH OF ANY PERSON OR DAMAGE TO OR LOSS OF PROPERTY TO THE EXTENT CAUSED BY THE NEGLIGENT PERFORMANCE OF SERVICES UNDER THIS AGREEMENT OR BY REASON OF ANY NEGLIGENT ACT OR OMISSION ON THE PART OF PROFESSIONAL, ITS OFFICERS, DIRECTORS, MANAGERS, EMPLOYEES, CONTRACTORS, SERVANTS, REPRESENTATIVES, CONSULTANTS, LICENSEES, SUCCESSORS OR PERMITTED ASSIGNS (EXCEPT WHEN SUCH LIABILITY, CLAIMS, SUITS, COSTS, INJURIES, DEATHS OR DAMAGES ARISE FROM OR ARE ATTRIBUTED TO THE NEGLIGENCE OR WILFUL MISCONDUCT OF A CITY INDEMNITEE, IN WHOLE OR IN PART, IN WHICH CASE PROFESSIONAL SHALL INDEMNIFY THE CITY INDEMNITEES TO THE EXTENT OR PROPORTION OF NEGLIGENCE ATTRIBUTED TO PROFESSIONAL, ITS OFFICERS, AGENTS, OR EMPLOYEES AS DETERMINED BY A COURT OR OTHER FORUM OF COMPETENT JURISDICTION).

Notices of Claim. Professional shall promptly advise City in writing of any claim or demand against the Professional Services Agreement with Pure Technologies U.S. Inc. for Crosstown Water Line Inspection

City, related to or arising out of Professional's acts or omissions under this Agreement and shall see to the investigation of such claims or demand at Professional's sole cost and expense; provided, that City, at its option and at its own expense, may participate in such investigation without relieving Professional of any of its obligations hereunder. Professional's obligations under this section shall not be limited to the limits of coverage of insurance maintained or required to be maintained under this Agreement. Notwithstanding anything herein to the contrary, neither party hereto will be liable to the other for any consequential, indirect, incidental, or special loss or damage suffered by the other party or any third party, or for any punitive damages, even if advised of the possibility thereof.

THE PROVISIONS OF THIS SECTION SHALL SURVIVE EXPIRATION OR TERMINATION OF THIS AGREEMENT FOR A PERIOD OF FOUR (4) YEARS.

Section 11. Notice.

All notices required by this Agreement shall be in writing and addressed to the parties at the addresses set forth on the signature page(s) of this Agreement (or to such other address that may be designated by the receiving party from time to time in accordance with this section). All notices shall be delivered by (a) personal delivery, (b) certified or registered mail (in each case, return receipt requested, postage prepaid), (c) nationally recognized overnight courier (with all fees pre-paid), or (d) email of a pdf document containing the required notice. Such notice or document shall be deemed to be delivered or given, whether actually received or not, (i) when received if delivered or given in person, (ii) if sent by United States mail, three (3) business days after being deposited in the United States mail as set forth above, (iii) on the next business day after the day the notice or document is provided to a nationally recognized carrier to be delivered as set forth above, or (iv) if sent by email, the next business day. A confirmation of delivery report which reflects the time that the email was delivered to the recipient's last notified email address is prima facie evidence of its receipt by the recipient, unless the sender receives a delivery failure notification, indicating that the email has not been delivered to the recipient.

Section 12. Verifications by Professional

Professional's execution of this Agreement shall serve as its formal acknowledgement and written verification that:

(a) if the requirements of Subchapter J, Chapter 552, Government Code, apply to this Agreement and Professional agrees that the Agreement can be terminated if Professional knowingly or intentionally fails to comply with a requirement of that subchapter;

(b) pursuant to Texas Government Code Chapter 2270, that Professional's organization does not presently boycott Israel and will not boycott Israel during the term of this Agreement; and

(c) pursuant to Texas Government Code Chapter 2251, that Professional's organization does not current discriminate against firearm and ammunition industries and will not for the term of the contract. Discriminating means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with the firearm or ammunition industry or with a person or entity doing business in the firearm or ammunition industry, but does not include an action made for ordinary business purposes.

Section 13. Miscellaneous

(a) Professional shall not assign or sublet this Agreement, in whole or in part, without the prior written consent of City. (b) Professional shall comply with all federal, state, county, and municipal laws, ordinances, resolutions, regulations, rules, and orders applicable to the services under this Agreement. (c)

The laws of the State of Texas shall govern this Agreement; and venue for any action concerning this Agreement shall be in the state district courts of Dallas County, Texas. The parties agree to submit to the personal and subject matter jurisdiction of said courts. (d) This Agreement contains the entire understanding of the parties with respect to the subject matter hereof and there are no oral understandings, statements or stipulations bearing upon the meaning or effect of this Agreement which have not been incorporated herein. (e) The exhibits attached hereto, if any, are incorporated herein and made a part hereof for all purposes. (f) Unless expressly provided otherwise herein, this Agreement may only be modified, amended, supplemented or waived by a mutual written agreement of the parties. (g) In the event any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions, and the Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it. (h) Any of the representations and obligations of the parties, as well as any rights and benefits of the parties pertaining to a period of time following the termination of this Agreement shall survive termination. (i) This Agreement may be executed by the parties in separate counterparts, each of which when so executed and delivered shall be an original, but all such counterparts shall together constitute one and the same instrument. Each counterpart may consist of any number of copies hereof each signed by less than all, but together signed by all of the parties. (j) Each party represents that it has full capacity and authority to grant all rights and assume all obligations granted and assumed under this Agreement. (k) Subject to the provisions regarding assignment, this Agreement shall be binding on and inure to the benefit of the parties to it and their respective heirs, executors, administrators, legal representatives, successors and assigns.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK -
SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties have executed and delivered this Agreement as of the Effective Date.

For City:

For Professional:

TOWN OF ADDISON, TEXAS

PURE TECHNOLOGIES U.S. INC.

By: _____
David Gaines
City Manager

By: Bryon Boyd
Bryon Boyd
US Regional Sales Manager, West

Date: _____

Date: 09.29.23

Notice Address:

Notice Address:

Town of Addison
Attn: City Manager
P.O. Box 9010
Town of Addison, Texas 75001
E: dgaines@addisontx.gov

Pure Technologies U.S. Inc.
Attn: Bryon Boyd, US Regional Sales
Manager, West
8920 MD-108 unit d
Columbia, Maryland 21045
E: Bryon.Boyd@xylem.com

Addison Contract ID:
PSA_STW_September 26, 2023_v1.20220427

EXHIBIT “A”
SCOPE OF SERVICES

(attached)



Proposal for IN-SERVICE WATER PIPELINE LEAK DETECTION Crosstown Water Line

SmartBall®

September 26, 2023
Prepared for
John Phillips
Town of Addison

John Phillips
Utilities Manager Water Quality
Town of Addison
16801 Westgrove Dr. Addison, Texas 75001

RE: In-Service Water Pipeline Leak and Air Pocket Detection on the Crosstown Water Line

Dear John;

Pure Technologies U.S. Inc., a Xylem brand is pleased to offer our services to The Town of Addison for inline leak and air pocket detection of the Crosstown Water Line. The project scope includes the inspection of approximately 2 miles of 24- and 36-inch diameter concrete potable water pipeline. The planned inspection will begin at the Celestial Pump Station and end at the Addison Circle Elevated Storage Tank.

We propose using our SmartBall® free-swimming inspection platform to complete this project. SmartBall inspects pipelines while they are in service, detects acoustic activity associated with leaks and pockets of trapped air and can map pipelines by utilizing motion data. Features that make Pure Technologies' SmartBall platform the ideal solution for this project include:

- Reporting the location of leaks and air pockets within ± 6 feet of their actual location
- The ability to live track and locate the actual position of the SmartBall tool within the pipeline
- The ability to map pipelines using field-collected GPS points combined with SmartBall motion data
- 24-hour preliminary analysis to identify and investigate medium and large leaks prior to demobilizing
- 15+ years of experience successfully inspecting over 7,500 miles and reporting over 3,300 leaks

Pure Technologies continually strives to set the standard with the most trusted, technologically advanced tools operated by our highly experienced team. We look forward to addressing any questions you may have and helping you solve your water challenges.



Steve Purkiss
Business Development Manager
Pure Technologies, a Xylem Brand
(760) 644-5392
steve.purkiss@xylem.com

In-Service Pipeline Leak Detection

Inline leak detection is the best solution for detecting leaks in transmission mains as it brings the leak detection sensor directly to the source of the leak, providing greater sensitivity and accuracy, and covering long distances in a single deployment. The SmartBall inspection platform can be deployed in an active pipeline, avoiding the inconveniences associated with shutting off water flow for the duration of the inspection. Using the SmartBall inspection platform, Pure Technologies has located thousands of leaks saving millions of gallons of water.

Leak Detection and Mapping for Condition Assessment. Buried infrastructure typically accounts for a majority of the asset value of most utilities. The SmartBall platform is a valuable addition to a proactive pipeline management program, helping pipeline owners better understand the condition and location of their buried assets. By detecting leaks and air pockets, SmartBall empowers utilities to address problem areas before they result in larger failures, reducing unplanned capital expenditures while increasing operational confidence.

The Pure Technologies team and technical solution bring a host of benefits to bear on this project:

- Project planning site visit that includes GPS point collection
- Development of an in-depth project planning document
- All travel and shipping costs included in our proposed fee
- Confined space entry certified personnel equipped with safety equipment
- Use of current pipeline features where possible, such as existing 4-inch taps, reservoirs and hydrants
- Minimal onsite support requirement from the utility – typically limited to escorting tracking teams, opening manholes, and operating the pipeline
- Post-project support to ensure results and report are clear and accurate to support excavation, if required.

The best way to proactively manage any pipeline is to better understand its health using proven condition assessment solutions combined with advanced analysis.

A comprehensive condition assessment of PCCP water pipeline involves deploying tools to accurately assess the health of the buried infrastructure along with advanced engineering analysis to provide a clearer understanding of risks that inform short- and long-term repair and replacement strategies.

Since 2005, utilities around the world have relied on the SmartBall platform to inspect more than 7,500 miles of pipeline and detect over 3,200



Figure 1: SmartBall Free-swimming Inspection Platform for Pipeline Leak, Air Pocket Detection and Mapping

SmartBall

The SmartBall inspection platform is a free-swimming, nondestructive inline inspection technology that detects acoustic activity associated with leaks and pockets of trapped air in pressurized pipelines. Optionally, SmartBall can map the pipeline using the motion data of the tool along with field-collected GPS data.

The SmartBall tool is typically inserted through a valve into an active line. Once deployed, the tool is propelled by the hydraulic flow and can navigate inline valves, 90-degree bends, tees, diameter changes, profile changes, and vertical risers. It is typically extracted by inserting an expandable retrieval net through a pressurized stack attached to a 4-inch full-bore flanged valve.

The SmartBall tool is continuously tracked during an inspection using proprietary tracking devices synchronized with the tool and tracking sensors installed along the pipeline prior to deployment.

The collected data is evaluated by experienced data analysts using proprietary software and methods to report the location of leaks and air pockets, as well as provide a qualitative estimate of leak magnitudes to help prioritize further investigation and repair activities. When mapping of the pipeline is included in the project scope, advanced location algorithms are used to evaluate motion data recorded by the SmartBall tool in combination with field-collected GPS data to determine the alignment of the pipeline.

An overview of the SmartBall platform inspection process is shown in Figure 2. Further details of the SmartBall technology can be found in the data sheets included in this proposal.

Transient Pressure Monitoring

A hydraulic evaluation is proposed in order to understand the operational and surge pressures within the pipeline. When pipe wall degradation is combined with surge pressures, the likelihood of pipe failure can be significantly increased. Evaluation of the pump station operation, such as pump startup mode, typical and peak flows, operating and surge pressures, and surge protection, can provide important information on the stresses imparted on the pipeline.

Hydraulic pressure transients (also known as surges or water hammers) occur in pipelines when the pressure conditions in the system change due to variances in pressure or flow (e.g. pump on/off cycles or the rapid closure of a valve). The magnitude of a transient is related to several factors that include, but are not limited to, the flow rate within the pipeline, the time in which the change in steady-state condition occurs, and a pipe’s hoop stiffness. During a transient event, the kinetic energy within the pipeline (velocity of the water), is converted into potential energy (pressure in the pipe) and strain energy (deformation/strain in the pipe wall) by the propagation of transient pressure waves. A transient pressure wave can travel through the pipeline at speeds greater than 3,000 feet per second and can cause damaging pressure events and vacuum conditions, which can lead to permanent damage within the pipe wall and failure within the pipe system.

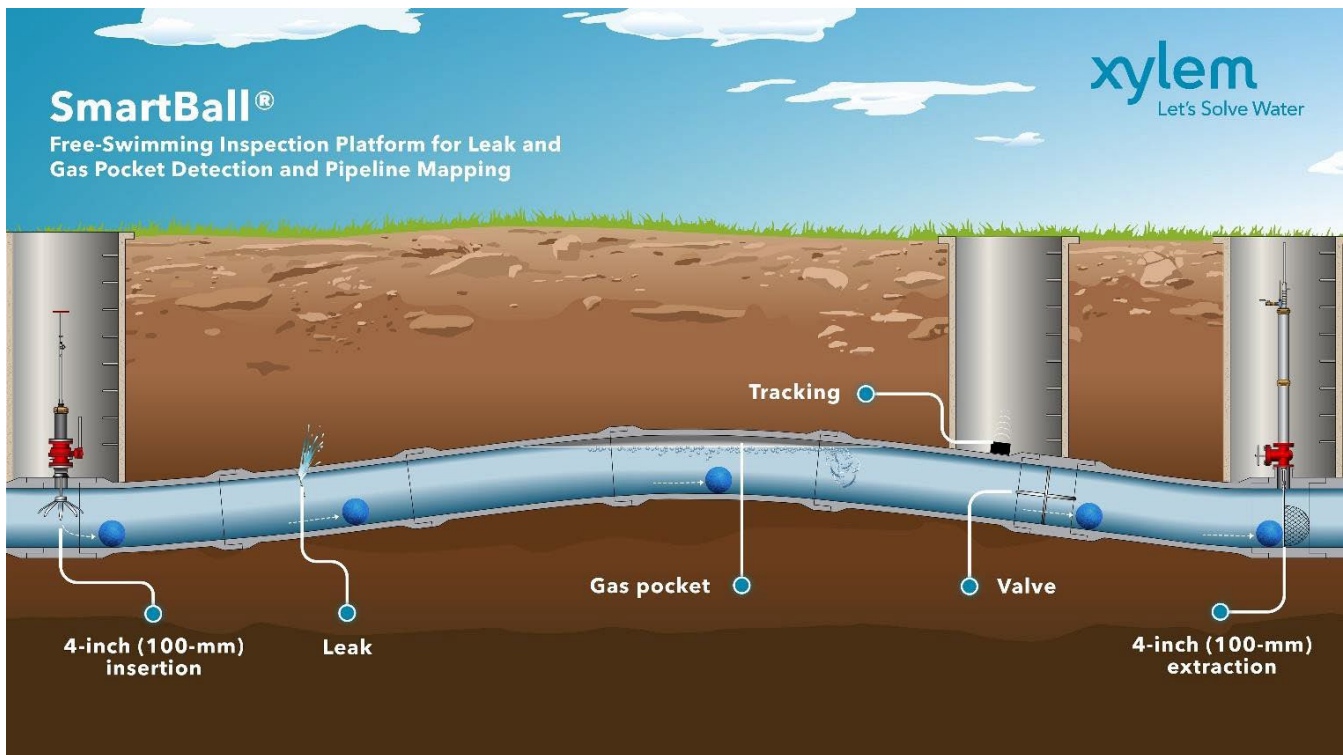


Figure 2: SmartBall Inspection Overview

Conventional pressure monitors collect data in intervals of seconds or minutes while transients may occur in fractions of a second and may be missed by traditional equipment. A transient pressure monitor continuously samples pressure at a high rate and records data every few minutes under normal operating conditions; however, when a transient pressure event is detected in the pipeline, the sampling rate increases to once every 50 milliseconds (20 readings per second). Telog pressure monitors are also capable of recording negative pressures in a pipeline as low as -14.7 psi, or perfect vacuum, as well as positive pressures in the pipelines as high as 300 psi.

Project Milestones and Deliverables

Planning and Mobilization

The planning process is an integral element of a successful project. It allows the team to identify features of the site or the pipe that could prevent a successful inspection. Actions can then be implemented to mitigate any potential risk.

Pure Technologies will meet with the Town of Addison to perform a technical site visit to assess access to the pipeline and identify potential challenges and risks. As much information as possible on the pipeline will be requested during the planning process. It is our understanding that the Town of Addison will facilitate all civil activity for pipeline access and tracking sensor installation, which may require modification to existing features, excavation, tapping, traffic control, scaffolding and other activities identified during the planning process necessary to access pipeline features determined to be critical to the inspection. Pure Technologies will make every effort to utilize existing pipeline features where feasible.

Activities undertaken as part of the planning and mobilization process include, but are not necessarily limited to the following:

- Project document review
- Project planning site visit and review
- Pre-inspection coordination/meetings
- Planning document development
- Equipment and staffing logistics to and from the project sites
- Tool preparation
- Pre-inspection activities required in advance of the scheduled inspection date

Based on the information gathered from the project planning site visit and all available documents, a detailed Project Planning Document outlining the inspection plan, including insertion and extraction procedures and tracking sensor locations will be submitted prior to commencing the work. The Project Planning Document will be submitted to the Town of Addison in electronic PDF format at least two weeks prior to the inspection, dependent on the receipt of project data, or as soon as possible in cases of urgent mobilization. The Town of Addison should review and provide comments or approval of the Project Planning Document prior to mobilization. Any changes to the scope that arise in the planning process which impact the pricing in this proposal will be discussed with [Client] and mutually agreed upon before proceeding.

Pre-Contract Site Visit (Monday, May 22, 2023)

On May 22, 2023, I met with the Town of Addison to review the scope and feasibility of inspecting this pipeline. Following a brief discussion at the main office of Addison, Pure Technologies was escorted to a few locations along the pipeline.

In-Service Pipeline Leak Detection

First, the team visited the one-million-gallon elevated storage tank north of Addison Circle to view available options of where the tool(s) could be extracted from the pipeline. Addison informed Pure that the pipeline just outside of the tank is very shallow (approx. 0-2 feet below grade) and that a hot tap could be performed to allow the extraction net from Pure to capture the SmartBall. A diagram of the piping can be seen below in Figure 3.

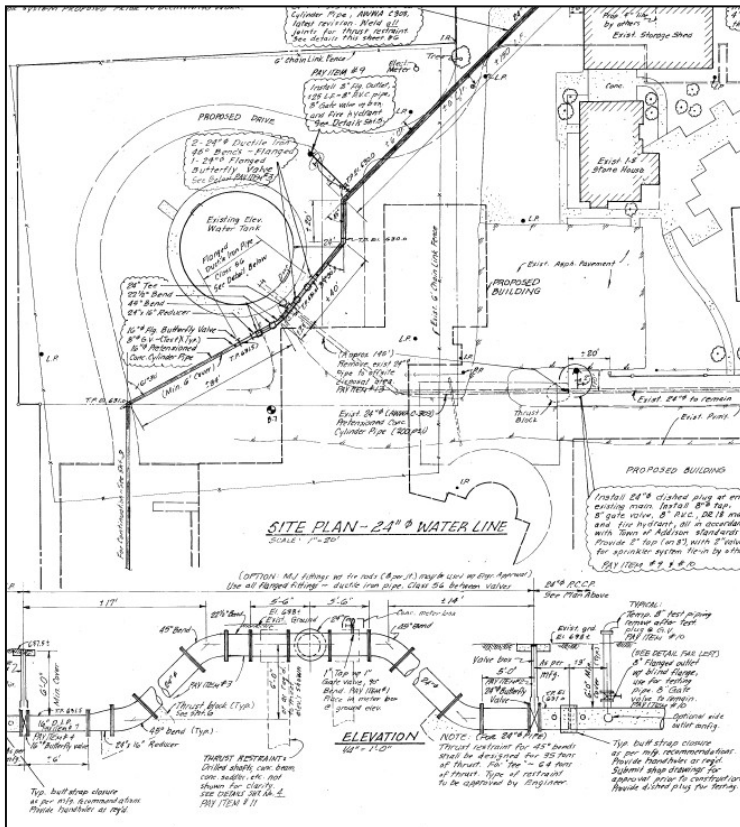


Figure 3: Drawings of pipeline outside the elevated tank

Next, Pure was escorted to view an in-line butterfly valve in front of 14858 Quorum Drive. The goal was to gauge the available access on the valve to assist with placing tracking sensors for the inspection. Upon investigation of the manhole vault, the pipeline itself was not seen and only part of the valve actuator was visible. Pure Technology technicians will review this site further to determine its feasibility with tracking. A view of the inside of this valve vault is shown below in Figure 4.



Figure 4: Picture inside of butterfly vault

Lastly, Pure was escorted to the Celestial Pump Station near the intersection of Celestial Road and Bellbrook Drive. The goal was to locate viable insertion locations which the SmartBall could be inserted to the pipeline. From the review, the pump station header inside the building should allow for a viable insertion with minimal civil or pre work from Addison operations. As seen in Figure 5 below, there is a 6-inch top outlet between the intake pump and the discharge main-header. This outlet would serve as a viable location to insert the SmartBall. The 6x3 inch reducer would need to be removed and a 6-inch gate valve put in its place on the day of the inspection. The ARV assembly above this would also need to be temporarily removed during the inspection. Further details on the needs of this modification will be addressed in the Planning Document.



Figure 5: Photo of header

Planning and Mobilization Deliverables

1. Project Planning Document that outlines the inspection plan, including insertion and extraction procedures and tracking sensor locations.

Inspection

SmartBall tracking sensor installation will be completed the day prior to inspection and may take 1-2 days, depending on sensor locations and accessibility. It is expected that the Town of Addison will aid with any sensor installations that require soft digs or pavement coring to access the pipeline and

will provide appropriate traffic control during tracking installations, if required, as outlined in the Project Planning Document.

Leak locations are determined using data recorded by the sensors onboard the SmartBall tool as well as that recorded by the tracking devices. This data is also used to determine if a leak is occurring on a pipe joint, barrel, or pipeline feature. Leaks occurring on the barrel of a pipe may indicate the pipe has been structurally weakened and is in danger of failing. Experience has shown our analysis methods are accurate to within approximately ± 6 feet.

The inspection is anticipated to take one day to complete. Immediately preceding the deployment of the SmartBall tool, Pure Technologies personnel will measure the flow speed, flow direction, and pipeline operating pressure to verify the conditions in the pipeline. Several tracking teams will be assigned to monitor the tool's movement through the pipeline. If required, the Town of Addison will provide traffic control during the inspection at each tracking sensor location. Coordination with operations staff will be required throughout the duration of the inspection, particularly for activities such as valve operation, pump management, etc. These activities will be outlined in the Project Planning Document. Upon completion of the inspection, data will be downloaded from the SmartBall tool and shared with the Pure Technologies analysis team.

Prior to demobilizing from the inspection, the Pure Technologies team will review data recorded by the SmartBall tool and investigate suspected medium and large leaks identified during the inspection. The results from this analysis will be communicated directly to the Town of Addison through email, phone, or in-person. To investigate, personnel will travel to the location of the suspected leak to look for obvious signs of leakage, listen with a ground microphone, investigate nearby pipeline features and manholes, and will record additional GPS points used to improve the final reported location of the leak that will be delivered in the draft report.

Further details on considerations related to the pipeline inspection such as pressure, flow requirements, or insertion/extraction requirements can be found in Appendix A.

Data Analysis

The Pure Technologies analysis team will analyze the data collected by the SmartBall platform to document details of acoustic events including acoustic intensity plots and tracking details. A dig sheet will be developed for each leak to aid in location and excavation. Dig sheets include an aerial view of the pipeline alignment and detail a leak location based on the distance from the leak to the nearest upstream and downstream pipeline features.

Data Analysis Deliverables

1. Immediate notification of suspected medium and large leaks, if needed
2. Draft Inspection Report including:
 - Project background and inspection details
 - Details of acoustic events including acoustic intensity plots and tracking details

In-Service Pipeline Leak Detection

- A table of results identifying locations of acoustic events (e.g., leaks and/or air pockets)
 - Dig sheets to aid in locating and excavating reported leaks, including an aerial view of the pipeline alignment and detail of each leak location
3. Final Inspection Report incorporating comments from the Town of Addison.

Transient Pressure Monitoring

Pure Technologies will install a Telog Pressure Impulse Recorder to collect pressure data for up to 30 days. The recorder can be programmed to record the minimum, average, and maximum background operating pressure every 5 minutes.

Pure Technologies will then remove the recorder and incorporate the results in the final report. Transient monitoring will be performed concurrently with project planning and implementation to maintain project schedule.

Transient Pressure Monitoring Deliverable

1. Raw monitoring data in spreadsheet format

The Town of Addison Responsibilities

It is expected that the activities listed below will be completed by [Client]. Requirements will be determined in more detail during the inspection planning process.

- Provide information about the pipeline at least four weeks prior to the inspection date including, but not limited to, plan and profile drawings, lay sheets, shop drawings, manufacturing details, and details of access structures and appurtenances – if available.
- Obtain any required legal right-of-entry on the property.
- Provide support personnel during the inspection for locating the access structures, traffic control, valve operation, pump operation, and other support as necessary.
- Provide Pure Technologies with the typical flow velocities and pressures for pipeline operation, and the expected minimum and maximum values for each. If this data is unavailable, Pure Technologies would like the opportunity to verify flow velocities recommended prior to performing the inspection.
- Provide and maintain safe and reasonable access to all work sites throughout the inspection and obtain permits as required.
- Prepare and/or modify existing pipeline fittings and structures as indicated by Pure Technologies to accommodate insertion and extraction of the equipment as outlined in the Planning Document.
- Render confined space areas safe for the services, including lockout tagout of pumps, valves and motors; dewatering chambers and vaults to permit movement of persons and equipment; and vector and rodent control as necessary.LY

In-Service Pipeline Leak Detection

- Excavate, dewater, shore up, and/or provide scaffolding of job area and other civil activity as necessary in compliance with OSHA and local standards and regulations.
- Provide pumping services to allow for insertion of the SmartBall tool through a hydrant, if necessary.
- Operate the pipeline in a manner that will achieve the minimum required flow velocity indicated in the Planning Document throughout the inspection.

Project Schedule

The proposed schedule for the project is shown below.

Leak Detection	
Task	Timing
Site visit	Within 30 days following NTP
Project Planning Document	2 weeks before inspection
Inspection	8-10 weeks following NTP
Leak investigation prior to demobilization	24 hours after completion of inspection
Draft Report Leak and air pocket detection only	4 weeks after inspection
Final Report	2 weeks after receipt of comments on Draft Report
Leak Detection	
Task	Timing
Site visit	Within 30 days following NTP
Project Planning Document	2 weeks after site visit
Field Inspection	1-3 weeks from Project Planning document approval

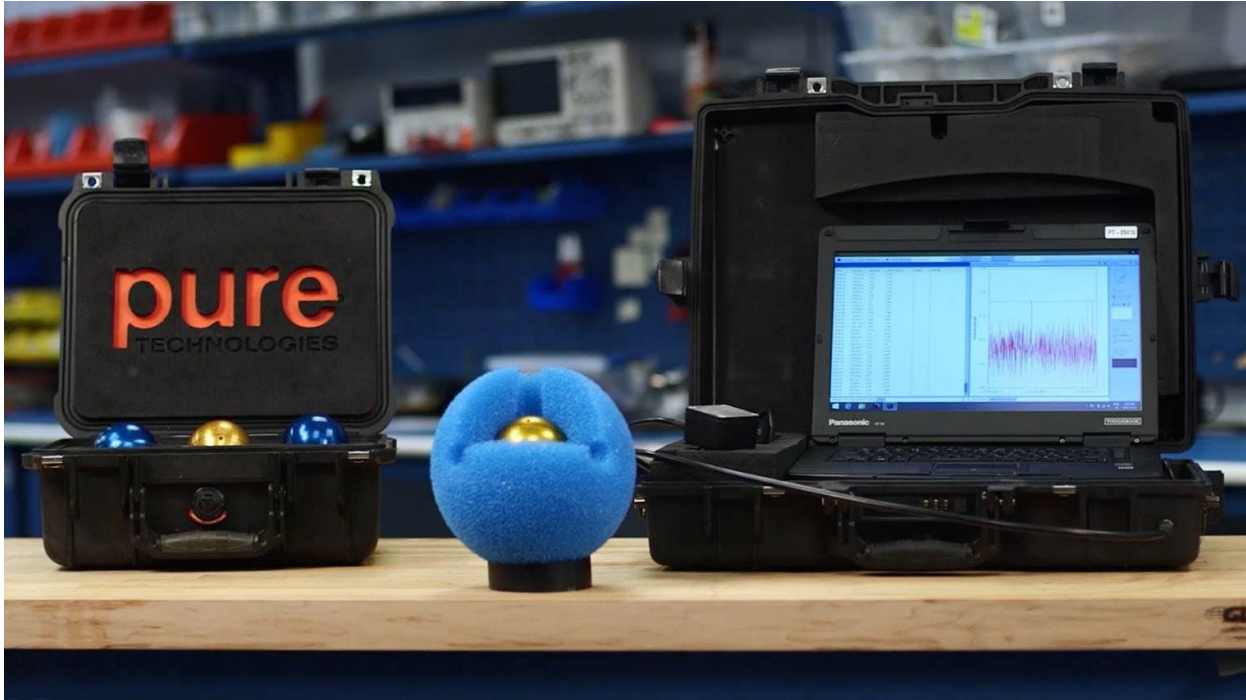


Figure 6: SmartBall Inner Aluminum Core, Outer Foam Shell, and Tracking Device

Project Pricing

Project Pricing						
Group	Line Item #	Description	Unit	Unit Price	Quantity	Total Price
2	1	Internal Non-Tethered Free Swimming Leak & Gas Pocket Inspection. Standard Project Set-up (Planning coordination, site visit, and mobilization)	Each	\$20,000.00	1	\$20,000.00
2	2	Internal Non-Tethered Free Swimming Leak & Gas Pocket Inspection. Inspection up to 2 miles	Each	\$22,500.00	1	\$22,500.00
2	10	Internal Non-Tethered Free Swimming Leak & Gas Pocket Inspection Report.	Each	\$15,000.00	1	\$15,000.00
6	1	Temporary pressure monitoring with data loggers (No communication)	Each	\$7,000.00	1	\$7,000.00
Total Project Cost						\$64,500.00
Optional Services						
7	53	Subcontractor and Specialty Services to Support Field Work and other miscellaneous tasks as defined and approved by Town of Addison ¹	Cost +15%	~ \$	1	\$7,015.00

1: Work to be performed for new 4-inch hot tap for extraction of SmartBall tool.

Price Notes

- Pricing is in accordance with the Town of Addison Professional Service Agreement. Full Price sheet shown in Appendix B
- All travel, shipping and related expenses are included in the mobilization and field data collection/inspection fees.
- Pricing is based on available information provided to date.
- If additional work is required due to circumstances outside of Pure Technologies' control or based on additional requests from the Town of Addison, a mutually agreed change order will be required.
- A cancellation charge in the amount of the mobilization fee will apply should the work be cancelled within 10 business days prior to the agreed Mobilization Date, as documented in the Project Planning Document.
- If the Town of Addison requests a change to the mobilization Date within two (2) weeks of the previously agreed Mobilization Date, a change order may be requested.
- A stand-by charge of \$10,500 per crew day applies if the project is delayed by the Town of Addison after mobilization.
- Pricing does not include custom equipment fabrication, traffic control, civil works, permitting, confined space rescue support, lighting for night inspections, or valve exercising. These tasks and their respective costs are the responsibility of the Town of Addison unless otherwise agreed.
- Suitable access points for insertion and extraction of the inspection tool are the responsibility of the Town of Addison.
- Please note that Project Pricing included herein is valid for 120 days from the date of this proposal.

Payment Schedule

			Invoicing Schedule	
Service			Fee	Invoicing Period
Internal Swimming Inspection. (Planning coordination, site visit, and mobilization)	Non-Tethered Leak & Gas Project Set-up	Free Pocket	\$20,000.00	Upon mobilization of crew
Internal Swimming Inspection. Inspection up to 2 miles	Non-Tethered Leak & Gas	Free Pocket	\$22,500.00	Upon completion of SmartBall inspection
Internal Swimming Inspection Report.	Non-Tethered Leak & Gas	Free Pocket	\$15,000.00	Upon delivery of SmartBall Report
Temporary pressure monitoring with data loggers (No communication)			\$7,000.00	Upon delivery of high frequency report

Appendix A - Inspection Considerations

Pipeline Pressure

Inline leak detection technology is inherently more sensitive than external methods and correlators because it brings the acoustic sensor within one pipe diameter of the leak. Acoustic leak detection functions by detecting the acoustic signature generated by the sudden drop in pressure of water exiting the pipeline at the site of a leak. SmartBall technology requires a minimum pressure differential between internal and external pipeline conditions of 15 psi (1 bar) for acoustic leak detection. For pipelines in high water tables or river crossings, the resultant hydrostatic head acting against the exterior of the pipe wall must be taken into consideration.

During the SmartBall inspection, Town of Addison staff will need to operate the system to maintain pipeline pressures as necessary to accommodate the needs of its customers. A review of the pipeline will be performed as part of the planning process to identify potential areas where the pressure may drop below the minimum required pressure differential for acoustic leak detection. Additional factors that affect acoustic leak detection include tunnels and encasements where the sudden drop in pressure that causes the acoustic signature generated by the leak may not occur at the site of the leak inside the pipeline, but rather at the point where the fluid exits the tunnel or encasement if the 'leak path' becomes pressurized between the pipe wall and the tunnel or encasement. Approximate pressure measurements may be requested prior to and/or during the inspection to ensure the pipeline is operating within expected conditions.

Insertion and Extraction Requirements

The SmartBall tool is typically inserted through a 4-inch (100mm) or larger full-bore flanged valve into an active pipeline. When using standard insertion equipment, the valve should have direct access to the pipeline with no bends in the connecting riser. The minimum internal diameter of valve opening and pipeline access must be no less than 3.5 inches (90 mm). A minimum of 4 feet (1.3 m) of overhead clearance is required above the flange of the insertion valve. Alternative methods for insertion include utilizing check valves in pump stations, areas where the pipeline transitions to gravity, or pumping the SmartBall through offset piping such as a hydrant or bypass.

If a hot tap is being performed to add an access point, the drill bit must be at least 3.5 inches (90mm) in diameter and centered within the newly installed valve. Note that a 4-inch valve on an access point installed with a drill bit smaller than 3.5 inches (90mm) will not provide the clearance needed.

The SmartBall tool is typically extracted from the pipeline by installing a pressurized stack on a 4-inch full bore flanged valve, or larger, with a minimum internal diameter no less than 3.5 inches (90 mm). The valve should be on the crown of the pipe and be located on a flat section of pipeline with no vertical slopes or horizontal bends 30 feet (9 m) upstream of the valve. A minimum of 16 feet (5 m) of overhead clearance is required above the flange of the extraction valve. It is possible to core the roof of a vault above the valve with a 6-inch (150 mm) or greater opening if the vault does not have enough overhead clearance. The extraction net utilizes a tracking sensor and a camera to confirm the SmartBall tool has been caught. Other extraction methods, such as retrieval from a

reservoir using a remotely operated vehicle (ROV), are possible and can be evaluated by the SmartBall technical experts for feasibility.

Tracking

Prior to the inspection, tracking sensors will be installed along the pipeline to track the position of the SmartBall tool. The tracking sensors function best when installed as close as possible to the water column in the pipeline and are attached to metal surfaces of pipeline appurtenances, such as air release valves, flanges, valves, or any other contact point on the pipeline. At these locations, Pure Technologies staff clean an area of the pipe approximately 3 inches by 3 inches (75mm by 75mm) and will adhere tracking sensors using a fast-drying epoxy. Computers synchronized with the SmartBall tool will be connected to the tracking sensors to calculate the location and velocity of the SmartBall tool as it approaches and passes the tracking location. Tracking teams will set up at tracking sensors before the deploying the SmartBall tool and will 'leap-frog' to subsequent tracking locations as the SmartBall tool traverses the pipeline on its way to the extraction point. A tracking plan and details for installing tracking sensors will be included in the Project Planning Document submitted to the Town of Addison prior to the inspection.

Flow Requirements

The SmartBall tool requires a fluid velocity of 0.5 feet per second (0.15 meters per second) to traverse flat sections of pipeline. The ideal fluid velocity for most pipelines is 2 to 4 feet per second (0.6 to 1.2 meters per second) for traversing slopes and allowing tracking teams to relocate to the next tracking location. The maximum fluid velocity before data quality is impacted is 6 feet per second (1.8 meters per second) for leak and air pocket inspection and 3 feet per second (0.9 meters per second) for SmartBall Mapping. The SmartBall tool usually travels at approximately 70% of average fluid velocity. The Town of Addison staff will control the flow rate to confirm the requisite velocity during tool deployment as defined in the Project Planning Document. Pure Technologies will also evaluate pumping rates and cycle times to determine if supplemental water will be required to complete the inspection. It should be noted that air pocket and leak detection surveys should be performed as close to typical operating conditions as feasible.

City Council (FY24)

4. g.

Meeting Date: 10/10/2023

Department: Public Works

Pillars: Excellence in Asset Management
Gold Standard in Customer Service

Milestones: Implement the Asset Management Plan in accordance with the Asset Management Policy, utilizing information systems

AGENDA CAPTION:

Consider action on Change Order #1 to the contract with Rey-Mar Construction, LLC. (Rey-Mar) for a permanent increase of \$100,000 per fiscal year and authorize the City Manager to execute the change order in an amount not to exceed \$100,000.

BACKGROUND:

The purpose of this item is to execute Change Order #1 to the utility Indefinite Delivery Indefinite Quantity (IDIQ) contract with Rey-Mar in the amount of \$100,000.

On April 12, 2022, Council approved an IDIQ contract with Rey-Mar for on-call water and sewer line repairs in the amount of \$150,000 for a term of one year with four-year optional renewals. During both Fiscal Years 2022 and 2023, staff encountered repairs necessitating the submission of change orders, each amounting to a \$100,000 increase.

During the Fiscal Year 2024 budget process, a decision package was approved to permanently increase the annual contract amount on the contract by \$100,000. This change order covers that change in the contract for the new \$250,000 repair budget.

RECOMMENDATION:

Administration recommends approval.

Attachments

Change Order #1 - Rey Mar Construction IDIQ



TOWN OF ADDISON CHANGE ORDER FORM

Change Order Number 1
Project Name: FY24 Annual Utility IDIQ
Project Manager: Jason Sutton
Date: 9-27-2023

A. INTENT OF CHANGE ORDER

Add \$100,000 permanently to the on-call water and sewer line repairs contract. This will bring the new annual contract total for standard repairs and maintenance to \$250,000.

B. REASON FOR CHANGE

During the past two fiscal years change orders have been issued for this contract for an increase of \$100,000 for each fiscal year.

C. EFFECT OF CHANGE ON CONTRACT PRICE

This change order will have the following effect on the cost of this contract for the remaining contract renewals:

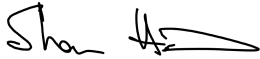
Description	Cost
Original Contract Amount	\$150,000
Change Order #1	\$100,000
New total contract price for the years remaining on the contract	\$250,000

D. AGREEMENT

By the signatures below, duly authorized agent of the Town of Addison, Texas and Rey-Mar Construction, LLC, do hereby agree to append this Change Order Number 1 to the original contract between themselves, dated April 13, 2022.



David Martinez
General Partner
Rey-Mar Construction, LLC.
2010 E. Lancaster Ave.
Fort Worth, Texas 76103



Shannon Hicks, P.E.
Director, Public Works and Engineering
Town of Addison

David Gaines
City Manager
Town of Addison

City Council (FY24)

5. a.

Meeting Date: 10/10/2023

Department: Development Services

AGENDA CAPTION:

Hold a public hearing, present, discuss, and consider action on a request for a Special Use Permit (SUP) for property located at 4980 Belt Line Road, Suite 200, that is currently zoned Planned Development (PD), through Ordinance No. 001-002, to allow a restaurant with the sale of alcoholic beverages for on-premises consumption. Case 1888-SUP/4980 Belt Line Road, Suite 200 (The Alley).

BACKGROUND:

The Addison Planning and Zoning Commission, meeting in regular session on September 19, 2023, voted to recommend approval of a request for a Special Use Permit (SUP) to allow a restaurant with the sale of alcohol for on-premises consumption on a property located at 4980 Belt Line Road, Suite 200, which is currently zoned Planned Development (PD), Ordinance No. 001-002, with the following condition:

- The applicant shall not use any terms or graphic depictions that relate to alcoholic beverages in any exterior signage.

Voting Aye: Barker, Catalani, Chavez, DeFrancisco, Faircloth, Fansler

Voting Nay: none

Absent: Meleky

SPEAKERS AT THE PUBLIC HEARING:

For: none

On: none

Against: none

Please refer to the Staff Report for additional details.

RECOMMENDATION:

Administration recommends approval of these requests, subject to the following condition:

- The applicant shall not use any terms or graphic depictions that relate to alcoholic beverages in any exterior signage.
-

Attachments

1888-SUP Presentation
1888-SUP Ordinance
1888-SUP Staff Report
1888-SUP Letter of Intent
1888-SUP Plans
Ordinance No. 001-002

The Alley Special Use Permit (1888-SUP)

The logo for Addison, featuring the word "ADDISON" in a bold, blue, sans-serif font centered within a white circle. This circle is set against a blue background that is part of a larger graphic design on the right side of the slide, which includes diagonal white lines and a grey triangle in the top right corner.

ADDISON

Case 1888-SUP The Alley

ADDISON

LOCATION:

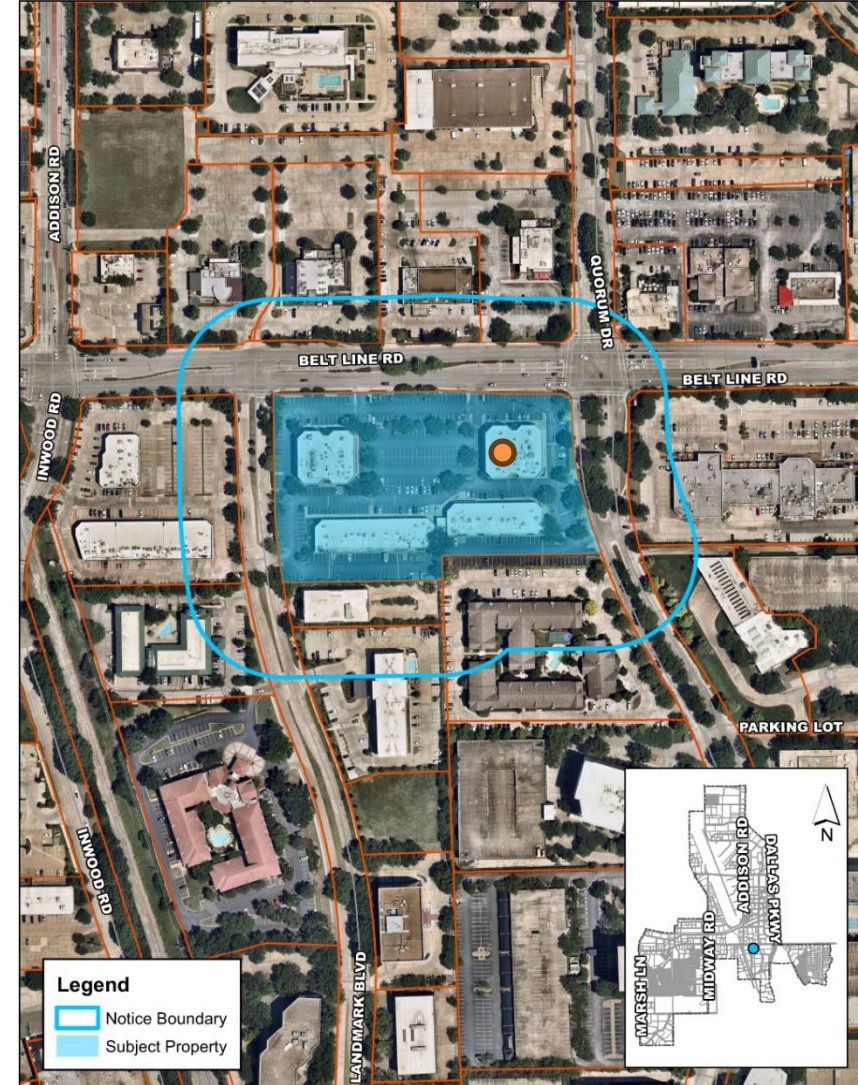
4980 Belt Line Road, Suite 200

REQUEST:

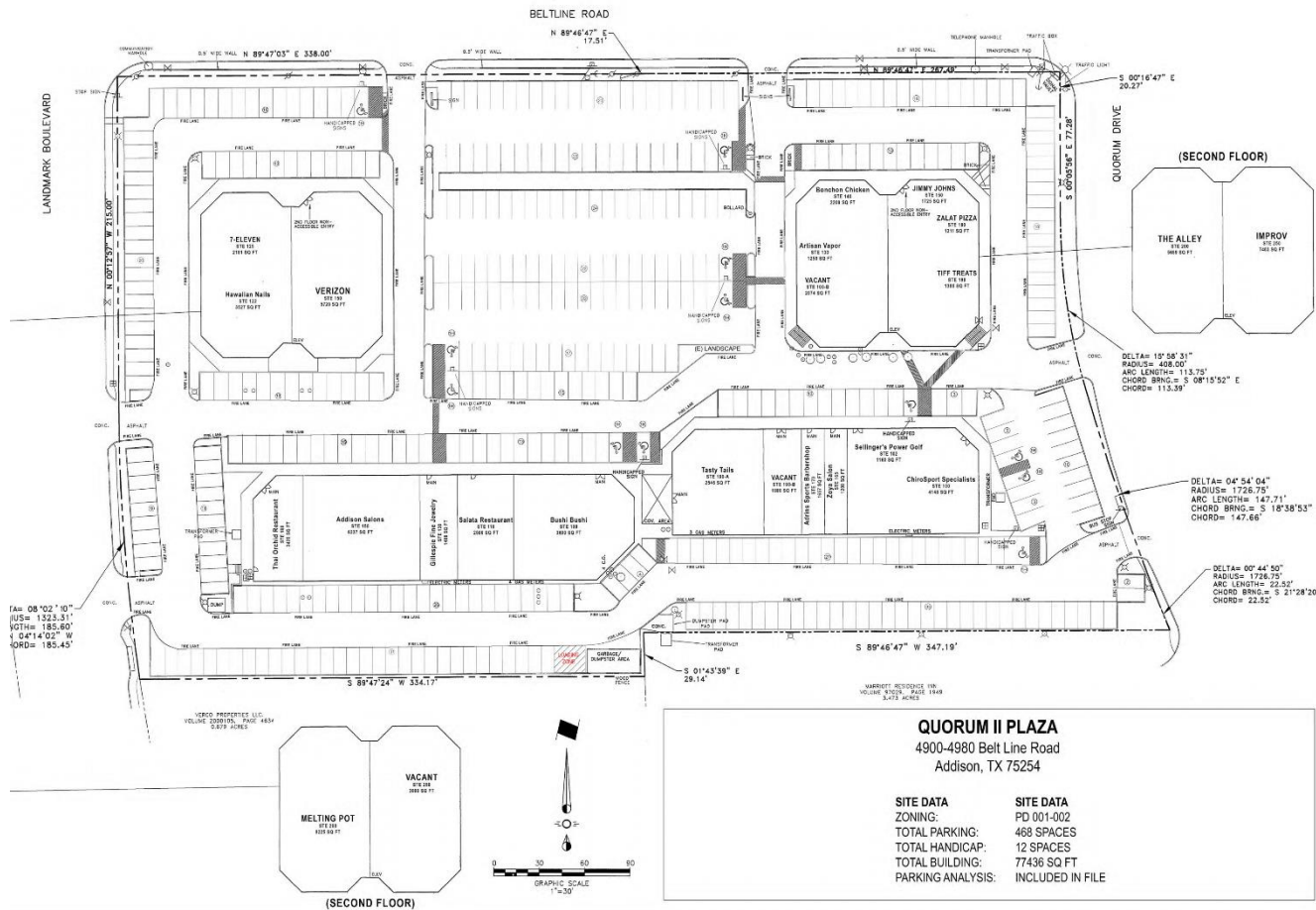
Approval of a Special Use Permit for a restaurant with the sale of alcohol for on-premises consumption.

ACTION REQUIRED:

Discuss, consider, and take action on the appropriateness of the proposed restaurant use and the sale of alcohol for on-premises consumption, and associated site conditions at the subject property.



Case 1888-SUP The Alley



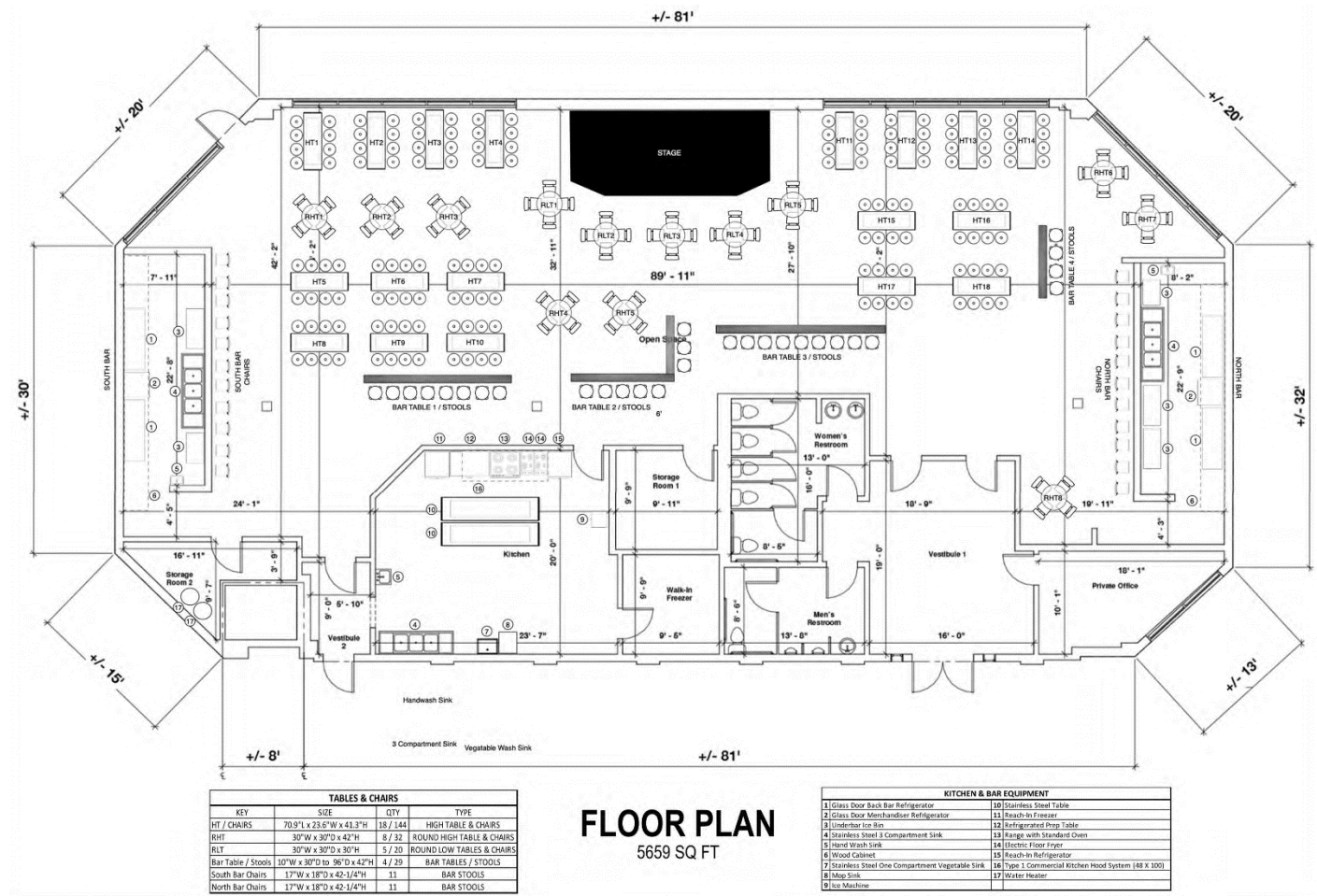
SITE HISTORY:

- 1980s – Site developed with existing structures under Local Retail (LR) zoning district.
- 2001 – Rezoned to PD, 001-002, to establish permitted uses and development standards.
- Present – Proposed SUP to allow a restaurant with the sale of alcohol.

Case 1888-SUP The Alley

FLOOR PLAN:

- 5,659 SF of interior floor area for dine in restaurant
- Seating for 247 individuals
- Sale of alcoholic beverages for on-premises consumption
- Entertainment opportunities such as trivia, karaoke, live music, theme nights, & beer/wine tastings
- Proposed hours of operation:
 - Initially plan to open 4:00 pm – 2:00 am, seven days a week.
 - Eventually would expand to offer lunch from 11:00 am – 2:00 am, seven days a week.



Case 1888-SUP The Alley

PARKING:

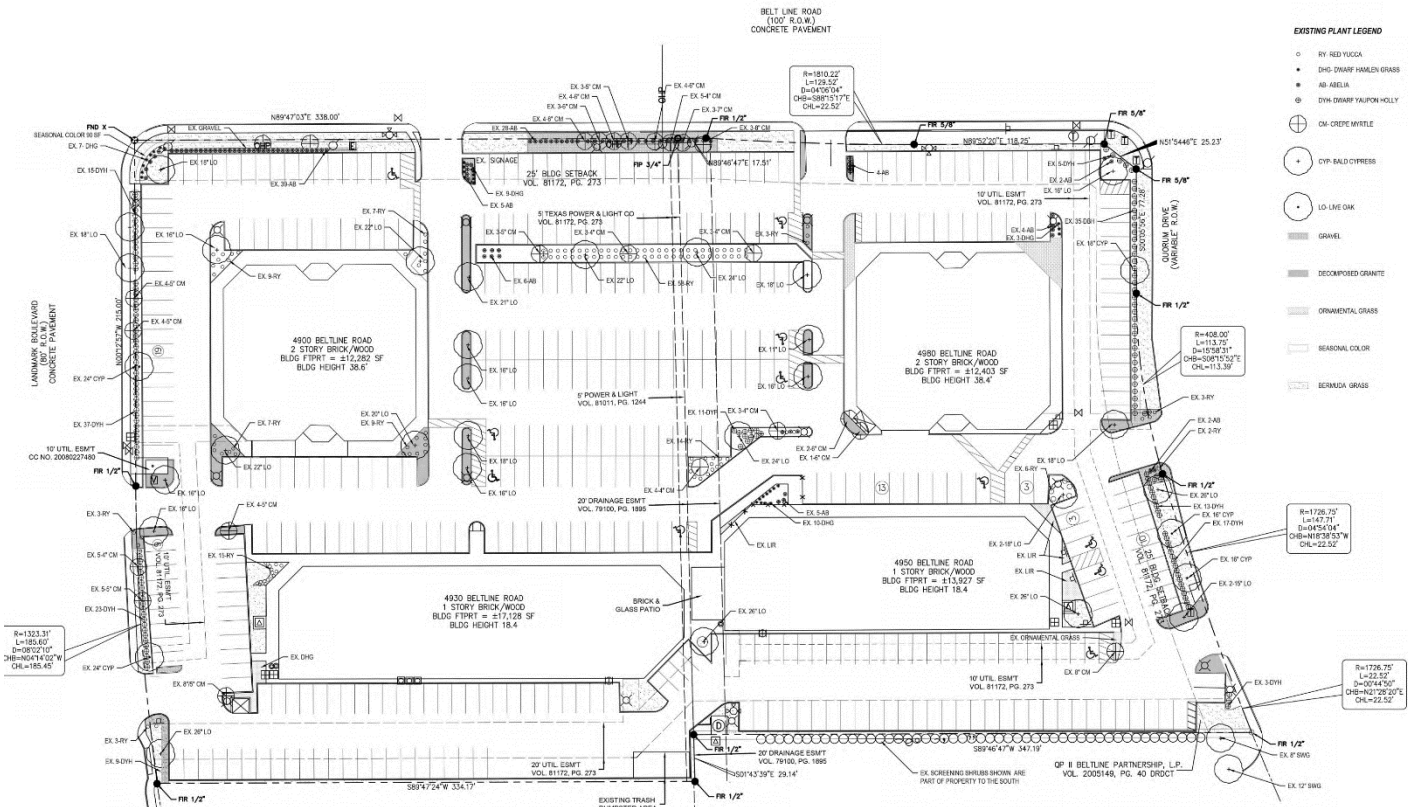
- There are no parking modifications proposed with this request. The site exceeds the parking required within PD, Ord. No. 001-002.
 - Required: 465 spaces
 - Provided: 468 spaces

OPEN SPACE AND LANDSCAPE:

- No modifications are proposed to the open space or landscaping.

EXTERIOR APPEARANCE:

- There are no modifications proposed to the exterior of the structure.



Case 1888-SUP The Alley

ADDISON

PUBLIC NOTICE:

Notice of public hearing was provided to property owners within 200 feet of the subject property in accordance with Town and State law.

NOTICE RECIPIENTS: 14

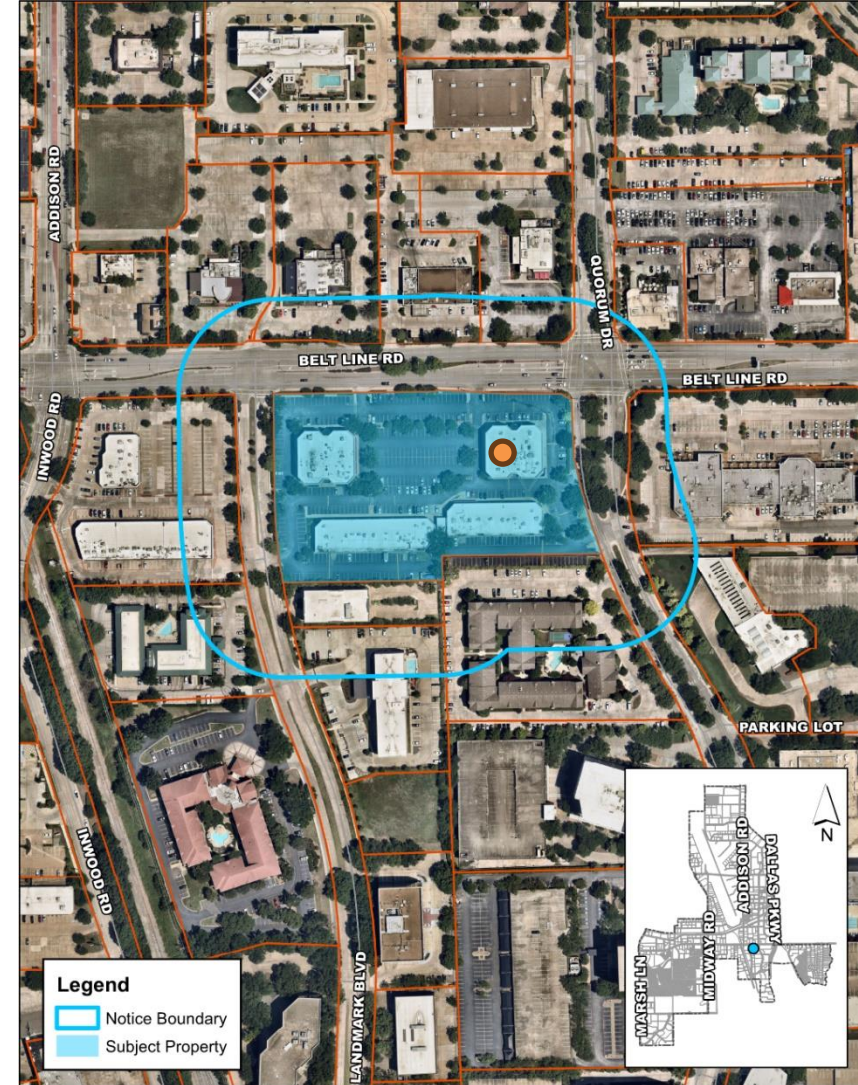
FOR: None.

AGAINST: None.

NEUTRAL: None.

PLANNING & ZONING COMMISSION ACTION:

Approval: 6-0



RECOMMENDATION:

Staff recommends **approval** of the request, with the following condition:

- The applicant shall not use any terms or graphic depictions that relate to alcoholic beverages in any exterior signage.

ORDINANCE NO. _____

AN ORDINANCE OF THE TOWN OF ADDISON, TEXAS, AMENDING THE COMPREHENSIVE ZONING ORDINANCE BY GRANTING A SPECIAL USE PERMIT (SUP) FOR A RESTAURANT AND FOR THE SALE OF ALCOHOLIC BEVERAGES FOR ON-PREMISES CONSUMPTION FOR THE PROPERTY LOCATED AT 4980 BELT LINE ROAD, SUITE 200; PROVIDING A PENALTY NOT TO EXCEED TWO THOUSAND DOLLARS (\$2,000.00) FOR EACH OFFENSE; PROVIDING A SAVINGS CLAUSE, SEVERABILITY CLAUSE, AND AN EFFECTIVE DATE.

WHEREAS, at its regular meeting held on September 19, 2023, the Planning & Zoning Commission considered and made recommendations on a request for a Special Use Permit (Case No.1888-SUP) for a restaurant and for the sale of alcoholic beverages for on-premises consumption at the property located at 4980 Belt Line Road, Suite 200 (the “Subject Property”); and

WHEREAS, the Subject Property is presently zoned Planned Development (PD), Ordinance No. 001-002; and

WHEREAS, this change of zoning is in conformance with the adopted Comprehensive Plan of the Town of Addison, as amended; and

WHEREAS, after due deliberations and consideration of the recommendation of the Planning and Zoning Commission, the information received at a public hearing, and other relevant information and materials, the City Council of the Town of Addison, Texas finds that this amendment promotes the general welfare and safety of this community.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS:

SECTION 1. The recitals and findings set forth above are hereby found to be true and correct and incorporated as if fully set forth herein.

SECTION 2. A Special Use Permit authorizing a restaurant and authorizing the sale of alcoholic beverages for on-premises consumption for the Subject Property, is hereby granted subject to the following conditions:

- (a) Prior to issuance of a Certificate of Occupancy, the Subject Property shall be improved in accordance with the site plan and floor plan which are attached hereto as **Exhibit A** and made a part hereof for all purposes.
- (b) The SUP granted herein for a restaurant and for the sale of alcoholic beverages for on-premises consumption, shall be limited to that particular area encompassing a total area not to exceed 5,659 square feet as designated on the final site plan and floor plan attached hereto as **Exhibit A**.

- (c) No signs advertising sale of alcoholic beverages shall be permitted other than those authorized under the Liquor Control Act of the State of Texas, and any sign ordinance of the Town of Addison, Texas (hereinafter “City”).
- (d) The sale of alcoholic beverages under this SUP shall be permitted in restaurants. For the purposes of this ordinance, the term “restaurant” means an establishment which receives at least sixty percent (60%) of its gross revenues from the sale of food.
- (e) Said establishment shall, upon request by the City, make available to the City or its agents, during reasonable hours its bookkeeping records for inspection to ensure that the conditions of subparagraph (d) above are being met.
- (f) Any nonconforming use of the Subject Property that is not considered a legal nonconforming use under the City’s Comprehensive Zoning Ordinance shall not be permitted to receive a license or permit for the sale of alcoholic beverages.
- (g) If the Subject Property is not used for the purposes for which said permit was granted within one (1) year after the adoption of this ordinance, the City Council may authorize hearings to be held for the purpose of considering a change of zoning and repeal of the Special Use Permit granted herein.
- (h) If a license or permit to sell alcoholic beverages on the Subject Property is revoked, terminated, or cancelled by any authority with jurisdiction over the same, the City Council may authorize hearings to be held for the purpose of considering a change of zoning and repeal of the Special Use Permit granted herein.
- (i) The establishment shall not use the term “bar”, “tavern”, or any other terms or graphic depictions that relate to the sale of alcoholic beverages on any signs visible from the exterior of the premises.

SECTION 3. Any person, firm, or corporation violating any of the provisions or terms of this ordinance shall be subject to the same penalty as provided for in the Comprehensive Zoning Ordinance of the city, as heretofore amended, and upon conviction shall be punished by a fine set in accordance with Chapter 1, Section 1-7 of the Code of Ordinances for the Town of Addison.

SECTION 4. Should any word, sentence, paragraph, subdivision, clause, phrase, or section of this ordinance or of the Zoning Ordinance for the Town of Addison, as amended hereby, be adjudged or held, in whole or in part, to be invalid, voided or unconstitutional, the same shall not affect the validity of the remaining portions of said ordinances, as amended hereby, which shall remain in full force and effect.

SECTION 5. All ordinances of the City in conflict with the provisions of this ordinance be, and the same are hereby repealed and all other ordinances of the City not in conflict with the provisions of this ordinance shall remain in full force and effect.

SECTION 6. This ordinance shall become effective from and after its passage and approval and after publication as may be required by law or by the City Charter.

PASSED AND APPROVED by the City Council of the Town of Addison, Texas, on this the 10TH day of OCTOBER 2023.

TOWN OF ADDISON, TEXAS

Bruce Arfsten, Mayor

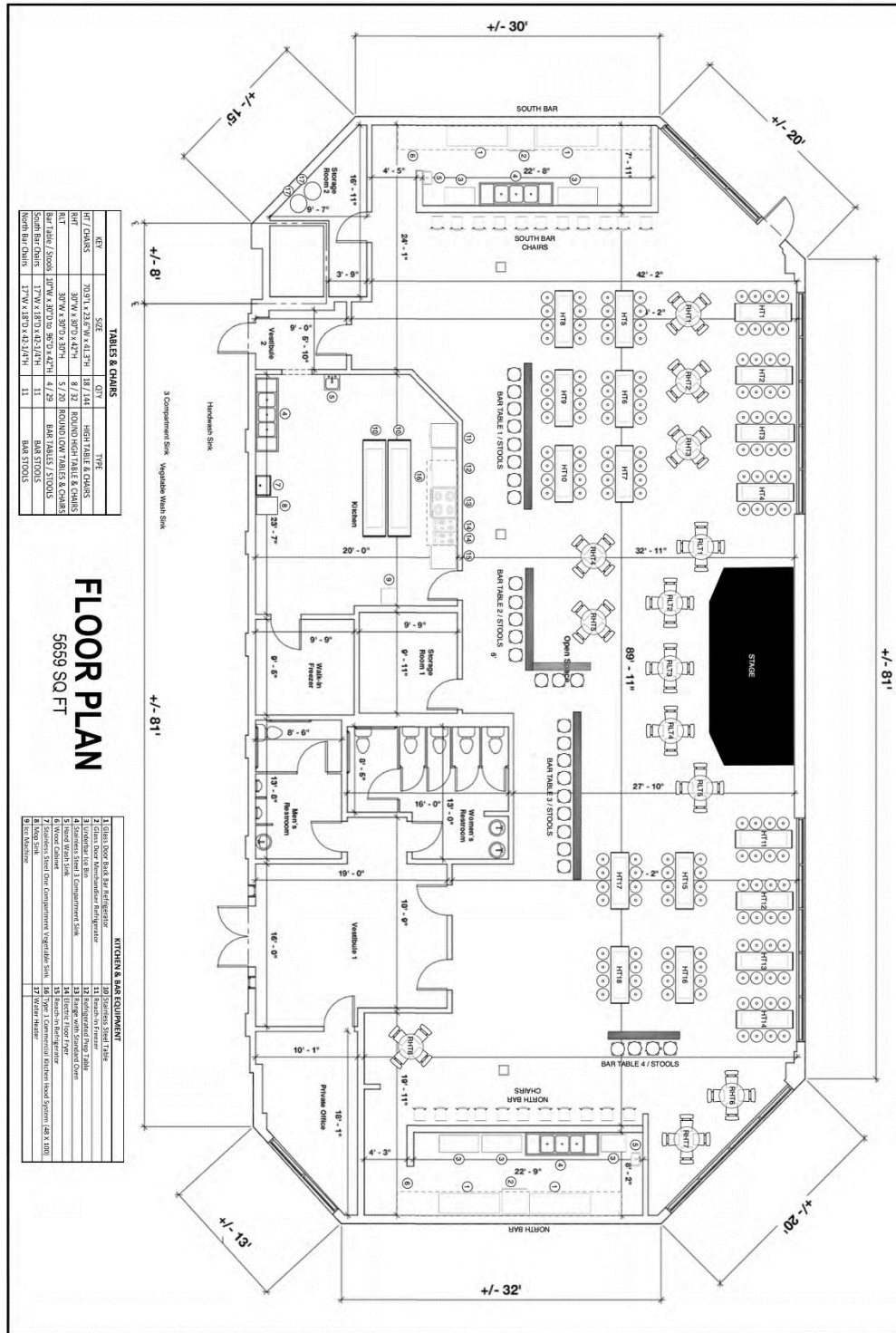
ATTEST:

APPROVED AS TO FORM:

Irma Parker, City Secretary

Whitt Wyatt, City Attorney

EXHIBIT A



TABLES & CHAIRS			
KEY	SIZE	QTY	TYPE
H1 / CHAIRS	70" D x 23 1/2" W x 41 3/4" H	18 / 144	HIGHT TABLE & CHAIRS
H2	30" W x 30" D x 35" H	1 / 2	ROUND TABLE & CHAIRS
H3	30" W x 30" D x 35" H	1 / 2	ROUND TABLE & CHAIRS
SBT Table / Stools	10" W x 48" D x 30" C x 42" H	4 / 28	BAR TABLE / STOOLS
South Bar Chairs	17" W x 18 1/2" x 43 1/2" H	11	BAR STOOLS
North Bar Chairs	17" W x 18 1/2" x 43 1/2" H	11	BAR STOOLS

FLOOR PLAN

5659 SQ FT

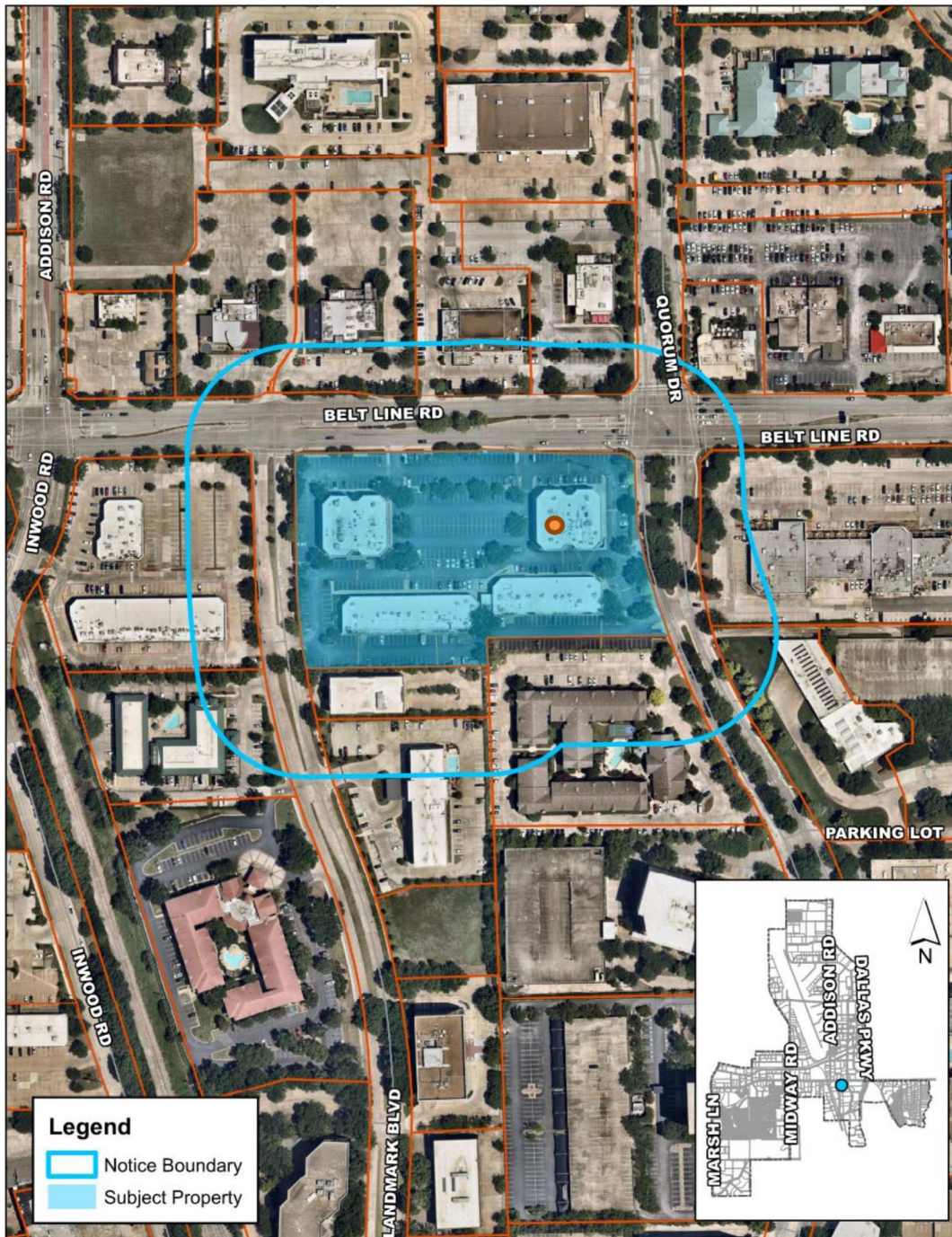
KITCHEN & BAR EQUIPMENT	
1	1 CASE FOOD BAR Bar Refrigerator
2	2 CASES FOOD MANUFACTURED REFRIGERATOR
3	1 FRYER OR BROTHER COMPARTMENT SINK
4	1 REFRIGERATED DRINK TABLE
5	1 SINK
6	1 SINK
7	1 SINK
8	1 SINK
9	1 SINK
10	1 SINK
11	1 SINK
12	1 SINK
13	1 SINK
14	1 SINK
15	1 SINK
16	1 SINK
17	1 SINK

REVISIONS BY DATE	<h3 style="margin: 0;">THE ALLEY RESTAURANT & ENTERTAINMENT</h3> <p style="margin: 0;">4980 Beltline Rd. Suite 200 Dallas, Texas 75254</p>	
Case No. SUP0070 DATE: 06/25/2023 SHEET: A1		

1888-SUP

PUBLIC HEARING Case 1888-SUP/4980 Belt Line Road, Suite 200 (The Alley). Hold a public hearing, present, discuss, and consider action on a request for a Special Use Permit (SUP) for property located at 4980 Belt Line Road, Suite 200, that is currently zoned Planned Development (PD), through Ordinance No. O01-002, to allow a restaurant with the sale of alcoholic beverages for on-premises consumption.

LOCATION MAP





September 19, 2023

STAFF REPORT

RE: 1888-SUP/4980 Belt Line Road, Suite 200
(The Alley)

LOCATION: 4980 Belt Line Road, Suite 200

REQUEST: Approval of a Special Use Permit for a restaurant and the sale of alcoholic beverages for on-premises consumption. (Application Date: 06/02/2023)

APPLICANT: Sean Cooper on behalf of Westwood Financial

DISCUSSION:

Background: The subject property is located at 4980 Belt Line Road, Suite 200. The proposed restaurant, The Alley, would occupy a second-floor suite within the existing building that was formerly occupied by Pete’s Dueling Piano Bar. The site is zoned Planned Development (PD), [Ordinance No. 001-002](#). This site also has several Special Use Permits (SUP) to allow the existing restaurants.

The Alley is a full-service restaurant and sports bar that offers a variety of upscale food offerings. Addison will be the first location for this concept; however, the applicant has experience in the restaurant industry, including operating a Wing Zone restaurant in Athens, Georgia. The applicant proposed initial operating hours of 4:00 PM – 2:00 AM, seven days a week, and eventually expanding to offer lunch with hours of 11:00 AM – 2:00 AM. The restaurant proposes to include interior seating and will periodically feature entertainment opportunities, which may include trivia, karaoke, live music, board game nights, and beer/wine tasting events. The Alley would also offer alcohol sales for on-premises consumption. According to the applicant, BYOB will not be allowed. The applicant has made application for a TABC permit.

The PD Ordinance allows restaurants and the sale of alcoholic beverages for on-premises consumption through the approval of an SUP. The proposed use complies with the ordinance.

Proposed Plan: With this request, The Alley proposes to utilize a 5,659 square foot suite for a new restaurant. The proposed restaurant will provide seating for 247 individuals. The interior floor plan is comprised of existing kitchen and service areas, two bars, and a stage. Table and bar seating are proposed to be provided within the dining area. The applicant plans to install several televisions and a projector to showcase various sporting events for customers.

Parking: With this request, there are no modifications proposed to the parking. PD, Ordinance No. 001-002, adopted the parking requirements established within the Local Retail (LR) zoning district, with the following modifications:

Use	Parking Ratio
Restaurant	1 space per 160 square feet
Restaurant with designated valet parking	1 space per 100 square feet

The shopping center is occupied by a variety of retail, personal services, and restaurants. The only establishment that utilizes valet parking is The Addison Improv. The Alley is not proposing to offer valet to customers. Based upon the current uses, the shopping center exceeds the required parking by three (3) spaces.

Exterior Facades: With this request, there are no modifications proposed to the exterior facades.

Landscaping and Open Space: With this request, there are no modifications proposed to the landscaping and open space.

RECOMMENDATION: **APPROVAL WITH CONDITIONS**

The Alley will occupy a currently vacant suite that was formerly used as an entertainment and restaurant venue. Given the subject properties location, interior improvements, and current market demands, it is unlikely that suite will be converted to a different use, such as an office or retail.

Staff recommends approval of these requests, subject to the following condition:

- The applicant shall not use any terms or graphic depictions that relate to alcoholic beverages in any exterior signage.



Case 1888-Z/4980 Belt Line Road, Suite 200 (The Alley)

September 19, 2023

COMMISSION FINDINGS:

The Addison Planning and Zoning Commission, meeting in regular session on September 19, 2023, voted to recommend approval of a request for a Special Use Permit (SUP) to allow a restaurant with the sale of alcohol for on-premises consumption on a property located at 4980 Belt Line Road, Suite 200, which is currently zoned Planned Development (PD), Ordinance No. 001-002, with the following condition:

- The applicant shall not use any terms or graphic depictions that relate to alcoholic beverages in any exterior signage.

Voting Aye: Barker, Catalani, Chavez, DeFrancisco, Faircloth, Fansler

Voting Nay: none

Absent: Meleky

SPEAKERS AT THE PUBLIC HEARING:

For: none

On: none

Against: none



Concept Letter of Intent

The Alley is a passageway to good food, entertainment, and assembly. In today's restaurant climate, serving good food just won't do it. In addition, patrons desire a combination of five-star presentation, comfortable atmosphere, entertainment, and exceptional service all reasonably priced or at least worth the experience. With that in mind, between these walls (aka buildings), The Alley is committed to creating those experiences.

Restaurants patrons want to feel good about where they choose to dine. With so many restaurants in DFW, patrons frequent the ones that offer the most comfort and entertainment. Aesthetically, The Alley will impersonate an alley behind or between buildings permitting access to two separate bars currently named Willie's and Frank's Place, a section that represent where the food is prepared called The Kitchen @ The Alley. There will be twenty or so 55-to-65-inch televisions and a projector showcasing daily sports activities while patrons eat and socialize. In addition to serving tasty food, The Alley will confirm this building's second floor as an entertainment destination on Belt Line Rd in Addison, TX. With the Improv offering comedy, The Alley will piggyback and present several popular entertainment options, such as karaoke, trivia, live music, board game nights, sporting events, guest chef, and beer/wine tasting events just to name a few. Ultimately, The Alley's hours of operation will be 11 am to 2 am seven days a week, but initially we will open from 4 pm to 2 am seven days a week to build a demand for lunch.

The owner Sean Cooper currently resides in Grand Prairie, TX, graduate from DeSoto High School in 1993 and attended North Texas University. Mr. Cooper began his entrepreneurship with a newspaper route in middle school. Since then, Mr. Cooper has owned several businesses ranging from a mobile car

wash to a mortgage brokerage. The owner Frank Hallum currently resides in Dallas, TX, graduated from Hillcrest High School in 1984 and attended Prairie View University. Mr. Hallum grew up in the family barbeque restaurant and real estate businesses and began touring the country as an entertainment tour manager in his early twenties. In 2019, we incorporated Future Entrepreneurs Leadership Academy, a nonprofit partnered with the Steve & Marjorie Harvey Foundation for fatherless boys. In 2019, we bought into the Wing Zone Franchise in Athens, GA.

We have a combined 40 years of restaurant, people, and international entertainment experience to support our vision and we are equipped to implement it with a trained structure of policies and procedures we know are successful.

Thank you

Sean and Frank
The Alley

REVISIONS	BY

THE ALLEY RESTAURANT & ENTERTAINMENT

4980 Beltline Rd.
Suite 200
Dallas, Texas 75254

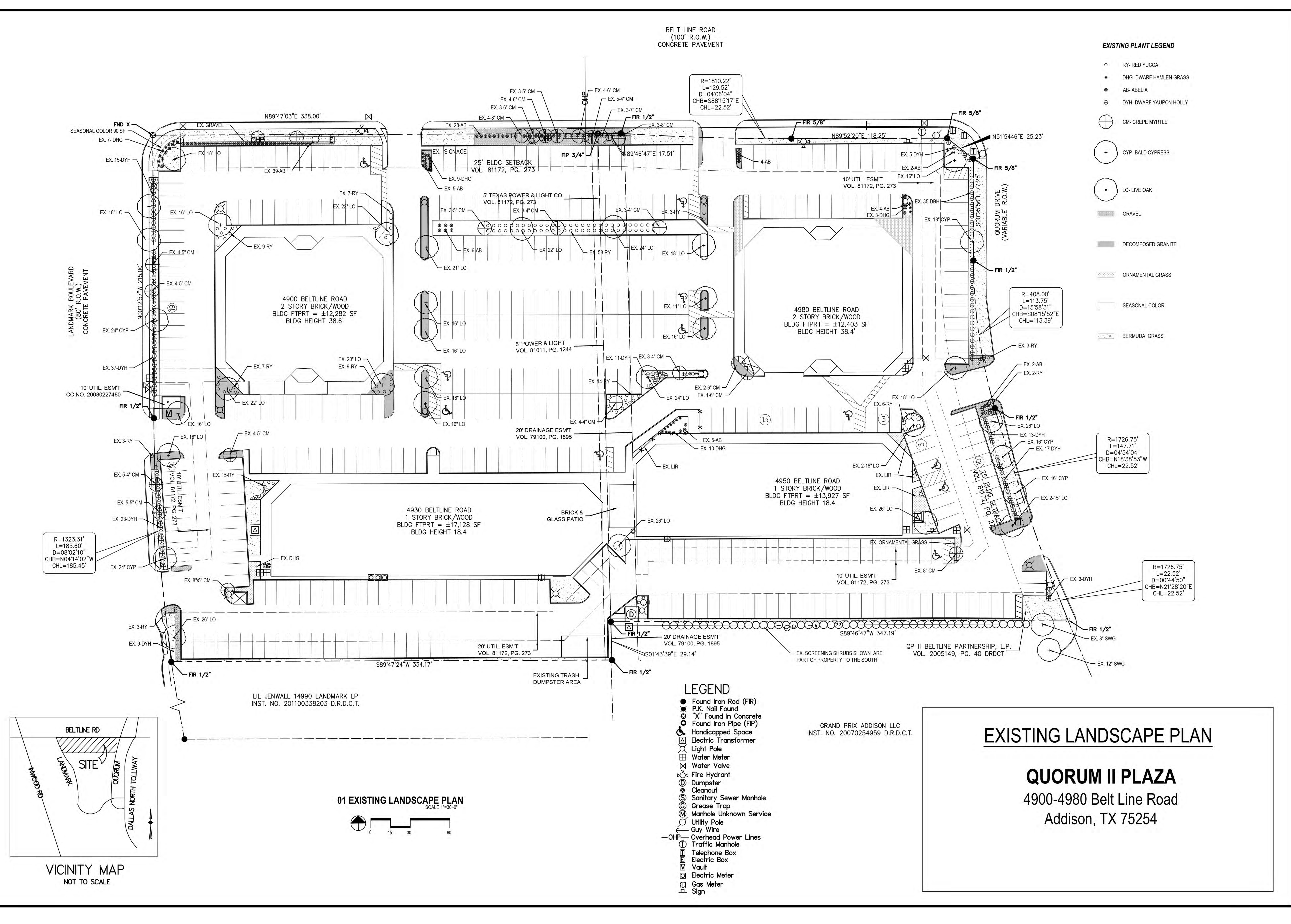
Case No. SUP0070

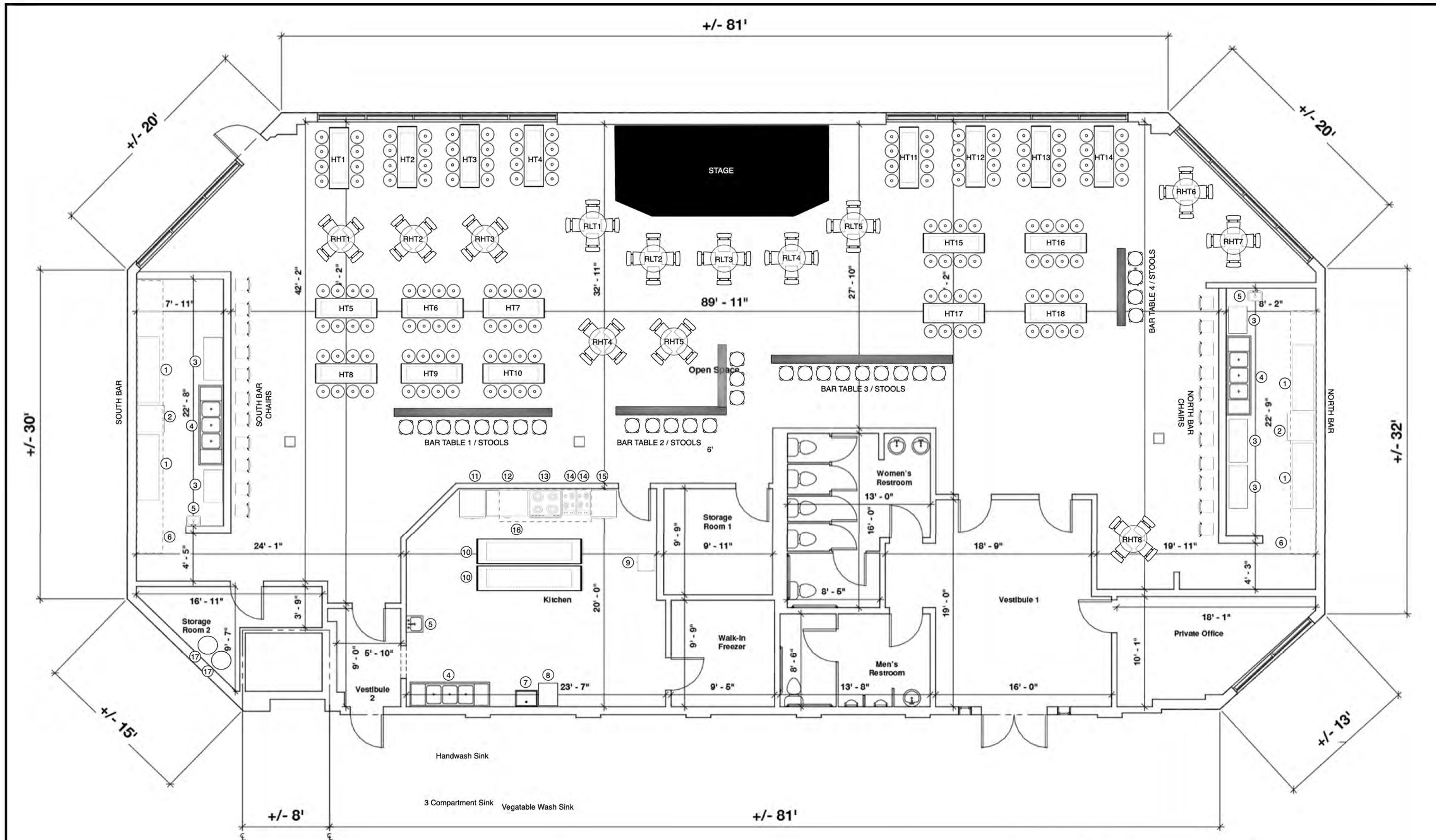
EXISTING LANDSCAPE PLAN

QUORUM II PLAZA
4900-4980 Belt Line Road
Addison, TX 75254

DATE: 08/22/2023

SHEET **LP1**





TABLES & CHAIRS			
KEY	SIZE	QTY	TYPE
HT / CHAIRS	70.9"L x 23.6"W x 41.3"H	18 / 144	HIGH TABLE & CHAIRS
RHT	30"W x 30"D x 42"H	8 / 32	ROUND HIGH TABLE & CHAIRS
RLT	30"W x 30"D x 30"H	5 / 20	ROUND LOW TABLES & CHAIRS
Bar Table / Stools	10"W x 30"D to 96"D x 42"H	4 / 29	BAR TABLES / STOOLS
South Bar Chairs	17"W x 18"D x 42-1/4"H	11	BAR STOOLS
North Bar Chairs	17"W x 18"D x 42-1/4"H	11	BAR STOOLS

FLOOR PLAN

5659 SQ FT

KITCHEN & BAR EQUIPMENT	
1 Glass Door Back Bar Refrigerator	10 Stainless Steel Table
2 Glass Door Merchandiser Refrigerator	11 Reach-In Freezer
3 Underbar Ice Bin	12 Refrigerated Prep Table
4 Stainless Steel 3 Compartment Sink	13 Range with Standard Oven
5 Hand Wash Sink	14 Electric Floor Fryer
6 Wood Cabinet	15 Reach-In Refrigerator
7 Stainless Steel One Compartment Vegetable Sink	16 Type 1 Commercial Kitchen Hood System (48 X 100)
8 Mop Sink	17 Water Heater
9 Ice Machine	

REVISIONS	BY

THE ALLEY RESTAURANT & ENTERTAINMENT

4980 Beltline Rd.
Suite 200
Dallas, Texas 75254

Case No. SUP0070

DATE: 08/22/2023

SHEET
A1

ORDINANCE NO. 001-002

AN ORDINANCE OF THE TOWN OF ADDISON, TEXAS, AMENDING THE COMPREHENSIVE ZONING ORDINANCE, AS HERETOFORE AMENDED, SO AS TO CHANGE THE ZONING FROM LOCAL RETAIL TO A PLANNED DEVELOPMENT DISTRICT, ON APPLICATION FROM DUNHILL PROPERTIES, LOCATED ON 5.6586 ACRES AT THE SOUTHWEST CORNER OF BELT LINE ROAD AND QUORUM DRIVE, AND BEING MORE PARTICULARLY DESCRIBED IN THE BODY OF THIS ORDINANCE; PROVIDING FOR A PENALTY CLAUSE; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR A REPEAL CLAUSE; AND DECLARING AN EMERGENCY.

WHEREAS, application was made to amend the Comprehensive Zoning Ordinance of the Town of Addison, Texas, by making application for the same with the Planning and Zoning Commission of the Town of Addison, Texas, as required by State Statutes and the zoning ordinance of the Town of Addison, Texas, and all the legal requirements, conditions and prerequisites having been complied with, the case having come before the City Council of Addison, Texas, after all legal notices, requirements, conditions and prerequisites having been complied with; and

WHEREAS, the City Council of the Town of Addison, Texas, does find that there is a public necessity for the zoning change, that the public demands it, that the public interest clearly requires the amendment, and it is in the best interest of the public at large, the citizens of the Town of Addison, Texas, and helps promote the general welfare and safety of this community, now, therefore,

BE IT ORDAINED BY THE CITY COUNCIL OF THE TOWN OF ADDISON,
TEXAS:

SECTION 1. That the Comprehensive Zoning Ordinance of the Town of Addison, Texas, be, and the same is hereby amended by amending the zoning map of the Town of Addison, Texas, so as to give the hereinafter described property the zoning district classification, to-wit: Planned Development. Said property being in the Town of Addison, Texas, and being described as follows:

BEING all of the Plaza at the Quorum II, an Addition to the City of Addison, Dallas County, Texas, according to the plat thereof recorded in Volume 81172, Page 273, Deed Records of Dallas County, Texas, and also being all of a 0.1654 acre tract out of Block 2 of Quorum, an Addition to the City of Addison, Texas, as recorded in Volume 79100, Page 1895, Map Records of Dallas County, Texas, and being more particularly described as follows:

COMMENCING at a P.K. nail found at the intersection of the South Line of Belt Line Road (100' R.O.W.) and the West Line of Quorum Drive (variable R.O.W.);

THENCE S 00 degrees 16'47" E along the West Line of said Quorum Drive a distance of 20.27 feet to an iron rod found for the POINT OF BEGINNING;

THENCE S 00 degrees 05'56" E along said West Line a distance of 77.28 feet to an iron rod found for the beginning of a non-tangent curb to the left having a radius of 408.00 feet, a central angle of 15 degrees 58'29", and a chord bearing and distance of S 08 degrees 15'52" E, 113.39 feet;

THENCE along said curve and West Line a distance of 113.75 feet to an iron rod found for the beginning of a non-tangent curve to the left having a radius of 1,726.75 feet, a central angle of 00 degrees 44'50", and a chord bearing and distance of S 21 degrees 28'20" E, 22.52 feet;

THENCE along said curve to the left and West Line a distance of 22.52 feet to an iron rod set on said West Line, said point being the Southeast corner of said .1654 acre tract, and said iron rod also being the Northeast corner of Marriott Residence Inn tract recorded in Volume 95165, Page 03499, Map Records of Dallas County, Texas;

THENCE S 89 degrees 46'47" W along the North Line of said Marriott tract a distance of 347.19 feet to an iron rod found for corner;

THENCE S 01 degrees 43'39" E along the East Line of said Marriott tract a distance of 29.14 feet to an iron rod found for the Northeast corner of Landmark Investment Corp. Tract recorded in Volume 9311, Page 1370, Map Records, Dallas County, Texas;

THENCE S 89 degrees 47'24" W along the North Line of said Landmark tract a distance of 334.17 feet to an iron rod set on the East Line of Landmark Boulevard

(80' R.O.W.), said iron rod being on a curve to the right having a radius of 1,323.31 feet, a central angle of 08 degrees 02'10", and a chord bearing and distance of N 04 degrees 14'02" W, 185.45 feet;

THENCE along said curve and East Line a distance of 185.60 feet to an iron rod set at the point of tangency on said East Line;

THENCE N 00 degrees 12'57" W along said East Line a distance of 215.00 feet to an iron rod set at the intersection of the East Line of said Landmark Boulevard and the South Line of said Belt Line Road;

THENCE N 89 degree 47'03" E along said South Line a distance of 338.00 feet to a point for corner which bears N 69 degrees 05'53" W a distance of 0.73 feet from an iron rod found for reference;

THENCE N 89 degrees 46'47" E along said South Line a distance of 17.51 feet to an iron rod found on said South Line, said point being the beginning of a non-tangent curve to the left having a radius of 1,810.22 feet, a central angel of 04 degrees 06'03", and a chord bearing and distance of S 88 degrees 15'17" E, 129.54 feet;

THENCE along said curve to the left a distance of 129.57 feet to an iron rod set for corner;

THENCE N 89 degrees 52'20" E a distance of 118.25 feet to an iron rod set for corner;

THENCE S 51 degrees 54'46" E a distance of 25.23 feet to the POINT OF BEGINNING and containing 246,483 square feet, or 5.6585 acres of land more or less.

SECTION 2. The following regulations shall govern the development of all land within this Planned Development District:

1. USE REGULATIONS

In this Planned Development district, no land shall be used and no building shall be used, erected, or converted to any use other than:

Antique Shop
Aquarium
Art Gallery
Auto seat covers, covering
Baker, retail sales only

Bank, office, wholesale sales office or sample room
Barber and beauty shop
Bird and pet shops, retail
Book or stationery store
Camera shop
Candy, cigars and tobaccos, retail sales only
Caterer and wedding service, offices only
Cleaning, dyeing and laundry pick-up station for receiving and delivery
of articles to be cleaned, dyed and laundered, but no actual work to be
done on premises
Cleaning and pressing shops, having an area of not more than 6,000 square
feet
Curtain cleaning shop having an area of not more than 6,000 square feet
Department store, novelty or variety shop, retail sales
Drug store, retail sales
Electrical good, retail sales
Electrical repairing – domestic equipment and autos, retail sales
Exterminating company, retail
Film developing and printing
Fix-it shops, bicycle repairs, saw filing, lawn mower sharpening, retail only, but
without outside storage
Florist, retail sales only
Furniture repairs and upholstery, retail sales only, and where all storage
and display is within the building
Frozen food lockers, retail
Grocery store, retail sales only
Hardware, sporting goods, toys, paints, wallpaper, clothing, retail sales only
Household and office furniture, furnishings and appliances, retail
Ice delivery station
Job printing
Jewelry, optical goods, photographic supplies, retail sales only
Meat market, retail sales only
Mortuary
Office building
Parking lot without public garage or automobile facilities for the parking
of passenger cars and trucks of less than one (1) ton capacity only
Photographers or artists studio
Professional offices for architect, attorney, engineer and real estate
Public garage, parking, no repairs
Piano and musical instruments, retail sales only
Plumbing shop, retail sales only, without warehouse but not storage
for materials for contracting work)
Restaurant, subject to the approval of a Special Use Permit
Retail store or shop for custom work or the making of articles to be sold for
retail on the premises

Seamstress, dressmaker, or tailor
Seed store
Shoe repair shop, retail sales only
Studios, dance, music, drama, health, and reducing
Studio for the display and sale of glass, china, art objects, cloth and draperies
Taxi Stand
Washateria, equipped with automatic washing machines of the type customarily found in the home and where the customers may personally supervise the washing and handling of their laundry
Wearing apparel, including clothing, shoes, hats, millinery and accessories

2. HEIGHT REGULATIONS

No building or structure shall exceed two and one half (2 1/2) stories in height.

3. AREA REGULATIONS

1. Front Yard

The minimum required front yard is twenty-five (25) feet, such distance shall be measured from the property line.

2. Side Yard

On a corner lot, a side yard of twenty-five (25) feet shall be required on the side street.

3. Rear Yard

(A) There is no minimum required rear yard.

4. PARKING REGULATIONS

Off-street parking shall be provided in accordance with Appendix A – Zoning, Article IX, Local Retail District Regulations, Section 5, Parking Regulations, with the following exceptions:

Restaurant:	1 space per 160 square feet
Restaurant with designated valet parking:	1 space per 100 square feet

5. TYPE OF CONSTRUCTION

At least eighty (80) per cent of the exterior walls of all structures shall be of masonry materials. Front and side walls shall be of brick or stone veneer construction.

6. OUTSIDE SALES OR COMMERCIAL PROMOTIONS

- (1) Any outside sales and/or commercial promotions shall be required to obtain a permit.
- (2) The above outside sales and/or commercial promotion may be permitted for a period of 14 days each calendar year with a maximum of two permits per business per year, providing such goods, products or merchandise is displayed on a sidewalk within ten (10) feet of the business building.
- (3) The above outside sales and/or commercial promotion shall be construed to apply to merchandise dispensing units placed adjacent to and outside of a business building.
- (4) The above outside sales and/or commercial promotion shall not be construed to prohibit the display of merchandise normally placed on gasoline pumps and/or gasoline pump islands.
- (5) Outside sales and/or commercial promotions related to existing businesses shall be allowed during Special Events' provided that the sponsors of such sales or promotions obtain a permit from the Planning and Zoning Office at least ten (10) days prior to the event. Such outside sales and commercial promotions may involve the use of tents and the provision of food, alcohol and entertainment if the sponsors comply with the terms of this ordinance set forth in this section.

7. LOADING AND UNLOADING FACILITIES

1. All loading facilities shall be screened in accordance with the provisions of Article XVIII- Landscaping Regulations, Section 7b.

8. OUTSIDE STORAGE

Except for the equipment or materials stored on a construction site and used for a temporary construction project, the long term outside storage of equipment, buildings or other materials, goods and products is prohibited.

9. MECHANICAL EQUIPMENT

All mechanical equipment must be constructed located and screened so as to not interfere with the peace, comfort and repose of the occupants of any adjoining building or residence and not be visible from any public street.

10. REFUSE CONTAINERS

All refuse and refuse containers must be screened from all public rights-of-way. Refuse containers must be placed on a designed, reinforced concrete pad and approach. Screening walls must be of an aesthetic material.

11. LANDSCAPING

All landscaping in this district shall be governed by the standards set forth in Article XII-A, Landscaping Regulations.

SECTION 3. As provided in Planned Development District Article of the Comprehensive Zoning Ordinance, said property shall be improved in accordance with the development plans which are attached hereto and made a part hereof for all purposes.

SECTION 4. All paved areas, permanent drives, streets and drainage structure shall be constructed in accordance with standard Town of Addison specifications adopted for such purpose

SECTION 5. That any person, firm, or corporation violating any of the provisions or terms of this ordinance shall be subject to the same penalty as provided for in the Comprehensive Zoning Ordinance of the city, as heretofore amended, and upon conviction shall be punished by a fine set in accordance with Chapter 1, General Provisions, Section 1.10, General penalty for violations of Code; continuing violations, of the Code of Ordinances for the Town of Addison.

SECTION 6. That should any paragraph, sentence, subdivision, clause, phrase or section of this ordinance be adjudged or held to be unconstitutional, illegal or invalid, the same shall not affect the validity of this ordinance as a whole or any part or

provisions thereof other than the part so decided to be invalid, illegal or unconstitutional, and shall not affect the validity of this ordinance as a whole.

SECTION 7. That all ordinances of the City in conflict with the provisions of this ordinance be, and the same are hereby repealed and all other ordinances of the City not in conflict with the provisions of this ordinance shall remain in full force and effect.

SECTION 8. The importance of this ordinance creates an emergency and an imperative public necessity and the ordinance shall take effect and be in force from and after its adoption.

DULY PASSED BY THE CITY COUNCIL OF THE TOWN OF ADDISON,
TEXAS, on this the 9th day of January, 2001



MAYOR

ATTEST:



CITY SECRETARY

CASE NO. 1382-Z

APPROVED AS TO FORM:



DIRECTOR OF DEVELOPMENT SERVICES

City Council (FY24)

5. b.

Meeting Date: 10/10/2023

Department: Development Services

AGENDA CAPTION:

Hold a public hearing, present, discuss, and consider action on a request to rezone a 1.77± acre property located at 3790 Belt Line Road, from Planned Development (PD) to a new Planned Development (PD) zoning district with a Special Use Permit (SUP), to allow for the construction of a proposed restaurant with dine-in and drive-through facilities, through the approval of development plans. Case 1891-Z/3790 Belt Line Road (Chick-Fil-A).

BACKGROUND:

The Addison Planning and Zoning Commission, meeting in regular session on September 19, 2023, voted to recommend approval of a request changing the zoning on property located at 3790 Belt Line Road, which property is currently zoned Planned Development (PD), to a new Planned Development (PD) district with Local Retail (LR) district standards and approval of a Special Use Permit (SUP) for a restaurant with dine-in and drive-thru facilities.

Voting Aye: Barker, Catalani, Chavez, DeFrancisco, Faircloth, Fansler

Voting Nay: none

Absent: Meleky

SPEAKERS AT THE PUBLIC HEARING:

For: none

On: none

Against: none

Please refer to the Staff Report for additional details.

RECOMMENDATION:

Administration recommends approval of these requests.

Attachments

1891-Z Presentation

1891-Z Ordinance

1891-Z Staff Report

1891-Z Letter of Intent

1891-Z Plans

Chick-Fil-A Rezoning & Special Use Permit

The logo for Addison, featuring the word "ADDISON" in a bold, blue, sans-serif font centered within a white circle. This circle is set against a blue background that is part of a larger graphic design on the right side of the slide, which includes diagonal white lines and a grey triangle in the top right corner.

ADDISON

Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

ADDISON

LOCATION:

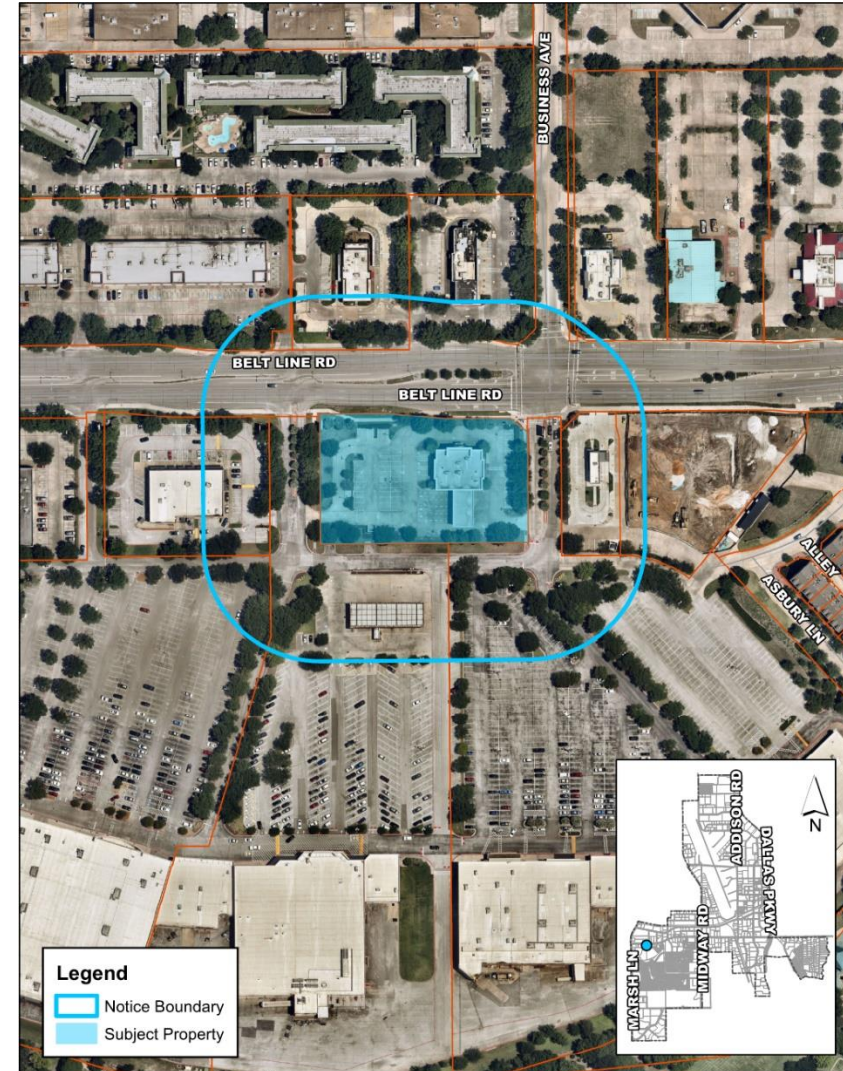
3790 Belt Line Road

REQUEST:

Approval of a Rezoning from Planned Development to a new Planned Development with Local Retail district standards and approval of a Special Use Permit for a new restaurant with drive-through facilities.

ACTION REQUIRED:

Discuss, consider, and take action on the appropriateness of the proposed restaurant use and associated site conditions at the subject property.



Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

A blue circular logo with the word "ADDISON" in white, uppercase letters.

PROJECT HISTORY:

1980 – Rezoned from Local Retail to PD, Ord. No. 626, to establish permitted uses and development standards.

1991 – Rezoning to PD, Ord. No. 91-068, to establish permitted uses and development standards.

1992 – Rezoning to PD, Ord. No. 092-048, to establish permitted uses and development standards.

1993 – PD Amendment, Ord. No. 093-018, to update permitted uses, development standards, and development plans.

1998 – SUP, Ord. No. 098-019, to allow restaurant with patio.

2004 – PD Amendment, Ord. No. 004-030, to update development plans for bank.

2006 – PD Amendment, Ord. No. 006-016, to update development plans for Capital One.

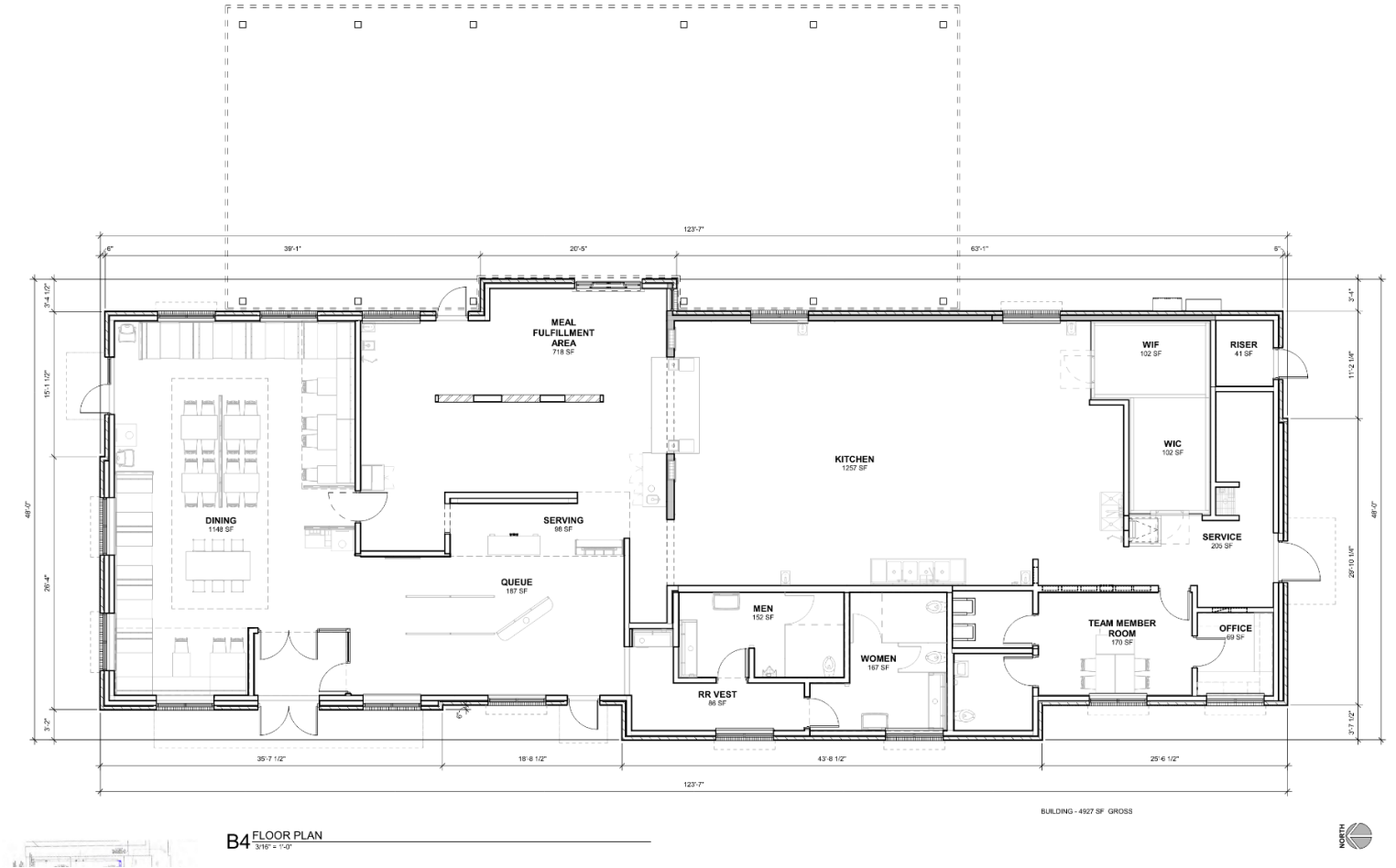
Present – New PD with SUP for restaurant with drive-through.

Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

ADDISON

CHICK-FIL-A FLOOR PLAN:

- 4,927 SF of interior floor area (68 seats)
- 425 SF outdoor patio (12 seats)
- Drive-through service with canopies at menu station & pick-up window
- No alcohol sales
- Hours of operation to remain the same



Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

ADDISON

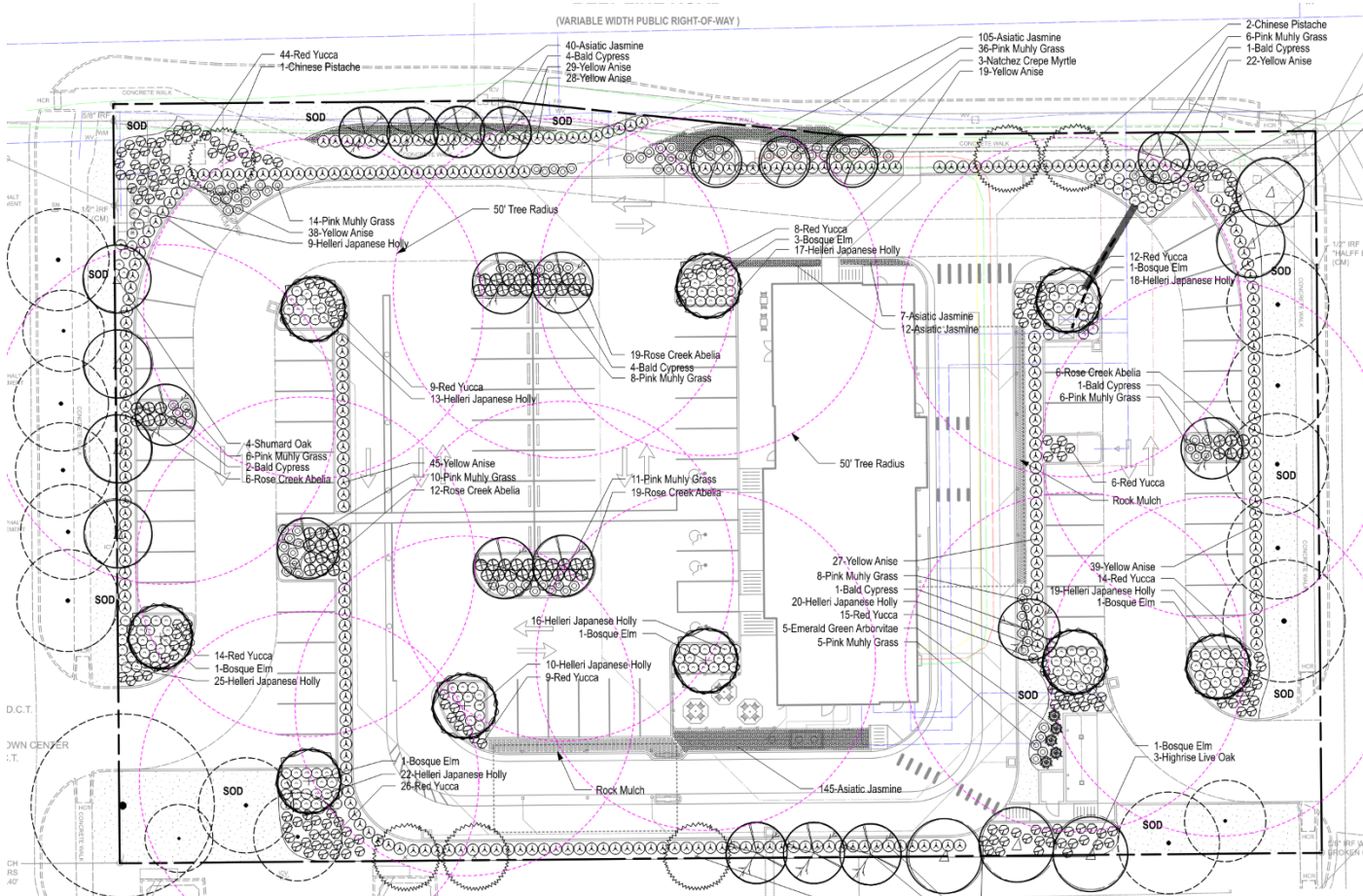
PARKING:

The site meets the parking requirement of 1 space for each 70 square feet of gross floor area and patio space at 77 spaces.

OPEN SPACE AND LANDSCAPE:

Chick-Fil-A has met or exceeded all Town landscaping requirements.

259 caliper inches are proposed to be removed on site. 170 caliper inches will be mitigated with new trees. The remaining 89 caliper inches is proposed to be mitigated via \$17,088 payment into the Tree Mitigation Fund.



Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

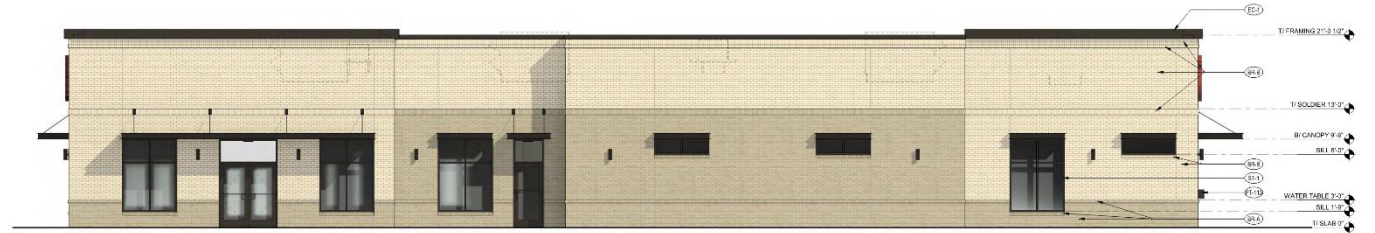
EXTERIOR APPEARANCE:

- Façade is primarily brick veneer with metal accents.
- The façade plan complies with Town TABLE codes.



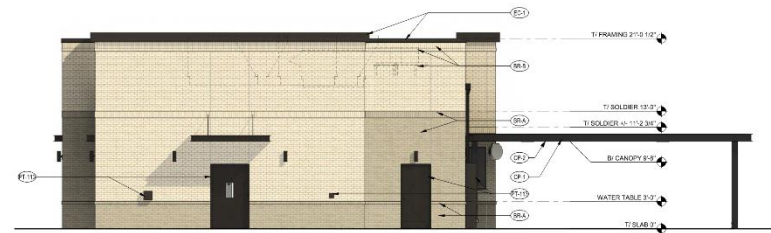
D3 NORTH ELEVATION
3/16" = 1'-0"

TOTAL FAÇADE - 979 SF	
BR-A - 381 SF	38.9%
BR-B - 342 SF	43.0%
ST-1 DOORS - 156 SF	68.1%



D4 WEST ELEVATION - FRONT
3/16" = 1'-0"

TOTAL FAÇADE - 2519 SF	
BR-A - 653 SF	25.9%
BR-B - 1500 SF	59.6%
ST-1 DOORS - 314 SF	12.5%



B3 SOUTH ELEVATION
3/16" = 1'-0"

TOTAL FAÇADE - 979 SF	
BR-A - 371 SF	27.8%
BR-B - 342 SF	43.0%
ST-1 DOORS - 166 SF	68.1%



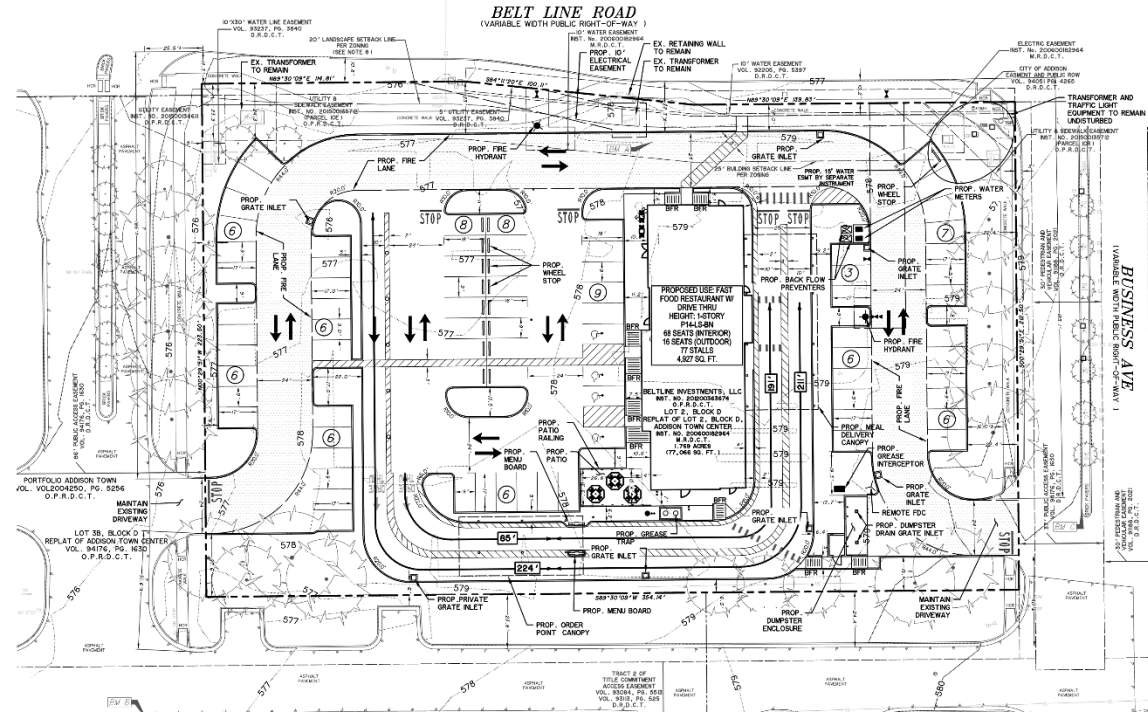
B4 EAST ELEVATION
3/16" = 1'-0"

TOTAL FAÇADE - 2519 SF	
BR-A - 1001 SF	43.0%
BR-B - 1082 SF	43.0%
ST-1 DOORS - 233 SF	68.1%

Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

TRAFFIC IMPACT ANALYSIS:

- Net increase of 248 daily trips from existing location at 3781 Belt Line Road.
- Mitigation recommendations:
 - Traffic signal timing during peak hours.



Use	Size	Average Weekday Daily Trips	AM Peak Hour Trips	Midday Peak Hour Trips	PM Peak Hour Trips
Chick-Fil-A Restaurant with 2-Lane Drive-Thru	4,927 SF	4,118	252	524	278

Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

ADDISON

PUBLIC NOTICE:

Notice of public hearing was provided to property owners within 200 feet of the subject property in accordance with Town and State law.

NOTICE RECIPIENTS: 13

FOR: 1

AGAINST: None

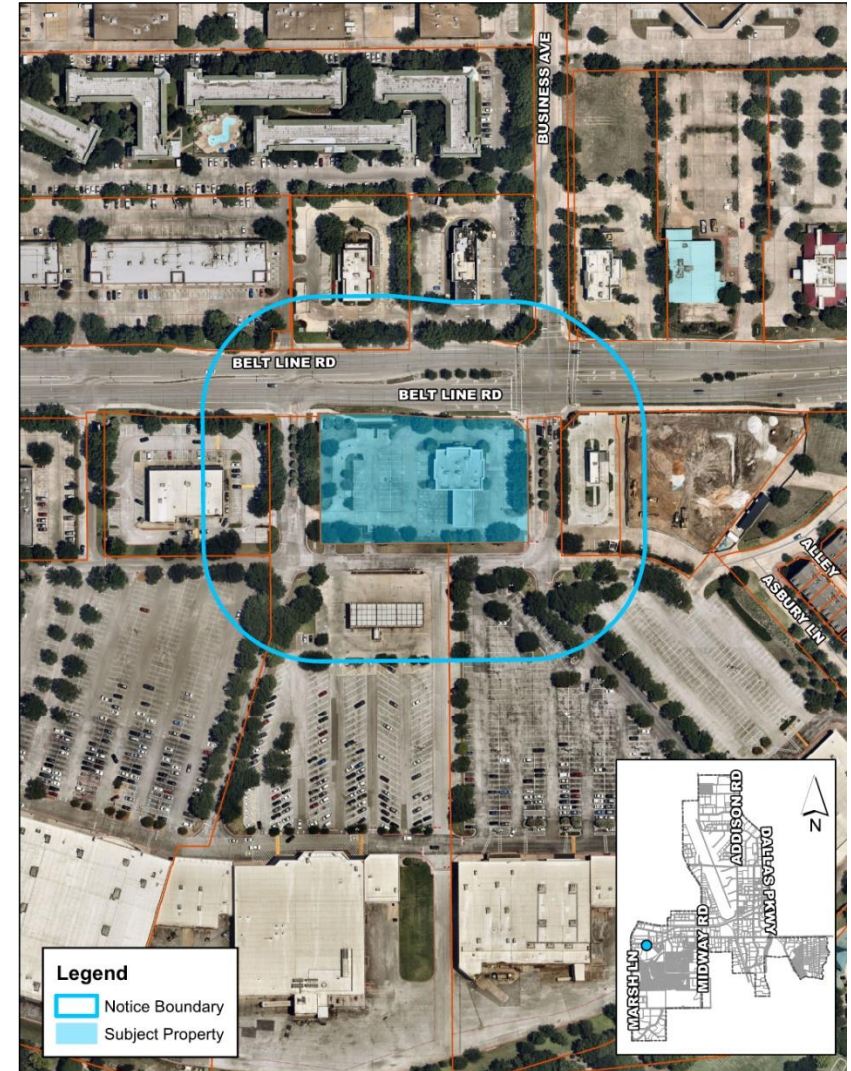
NEUTRAL: None

ADDITIONAL FEEDBACK:

Asbury Circle HOA indicated they expect minimal impacts to their neighborhood with this proposal.

PLANNING & ZONING COMMISSION ACTION:

Approval: 6-0



Case 1891-Z Chick-Fil-A Rezoning/Special Use Permit

ADDISON

RECOMMENDATION:

Staff recommends **approval** of the request.

ORDINANCE NO. _____

AN ORDINANCE OF THE TOWN OF ADDISON, TEXAS, AMENDING THE COMPREHENSIVE ZONING ORDINANCE BY REZONING A 1.77± ACRE PROPERTY, LOCATED AT 3790 BELT LINE ROAD, FROM PLANNED DEVELOPMENT (PD) DISTRICT, ORDINANCE NO. 093-018, AS AMENDED, TO A NEW PLANNED DEVELOPMENT (PD) DISTRICT WITH LOCAL RETAIL DISTRICT (LR) STANDARDS AND GRANTING A SPECIAL USE PERMIT (SUP) FOR A RESTAURANT WITH DINE-IN AND DRIVE-THROUGH FACILITIES; PROVIDING A PENALTY NOT TO EXCEED TWO THOUSAND DOLLARS (\$2,000.00) FOR EACH OFFENSE; PROVIDING A SAVINGS CLAUSE, SEVERABILITY CLAUSE, AND AN EFFECTIVE DATE.

WHEREAS, on March 9, 1993, the City Council for the Town of Addison, Texas adopted Planned Development (PD) District, Ordinance 093-018 (“PD 093-018”) for a 42.5± acre property generally located on the south side of Belt Line Road, between Marsh Lane and Surveyor Boulevard; and

WHEREAS, on June 22, 2004, The City Council for the Town of Addison, Texas adopted Planned Development (PD) District Ordinance 004-030 (“PD 004-030”), amending PD 093-018 to adopt a development plan for a 1.81± acre property located at the 3790 Belt Line Road; and

WHEREAS, on April 11, 2006, The City Council for the Town of Addison, Texas adopted Planned Development (PD) District Ordinance 006-016 (“PD 006-016”), further amending PD 093-018 to adopt a development plan for the 1.81± acre property located at the 3790 Belt Line Road; and

WHEREAS, at its regular meeting held on September 19, 2023, the Planning & Zoning Commission considered and made recommendations on a request for a Rezoning to Planned Development (PD) with Local Retail (LR) District standards and a Special Use Permit (Case No.1891-Z) for a restaurant with dine-in and drive-through facilities for the property located at 3790 Belt Line Road (the “Subject Property”); and

WHEREAS, this change of zoning is in conformance with the adopted Comprehensive Plan of the Town of Addison, as amended; and

WHEREAS, after due deliberations and consideration of the recommendation of the Planning and Zoning Commission, the information received at a public hearing, and other relevant information and materials, the City Council of the Town of Addison, Texas finds that this amendment promotes the general welfare and safety of this community.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS:

SECTION 1. The recitals and findings set forth above are hereby found to be true and correct and incorporated as if fully set forth herein.

SECTION 2. The Zoning Ordinance and official zoning map shall be amended so as to rezone the Subject Property, said property comprising all of Lot 2, Block D of the Addison Town Center, and being further described in the legal description on **Exhibit A** attached hereto, from Planned Development (PD) to Planned Development (PD) with Local Retail (LR) District standards and a Special Use Permit for a restaurant with dine-in and drive-through facilities, subject to the following conditions:

- (a) Prior to issuance of a Certificate of Occupancy, said Property shall be improved in accordance with the site plan, landscape plan, floor plan, and façade plan, which are attached hereto as **Exhibit B** and made a part hereof for all purposes; and
- (b) If the Subject Property is not used for the purposes for which the Special Use Permit was granted within one (1) year after the adoption of this ordinance, the City Council may authorize hearings to be held for the purpose of considering a change of zoning and repeal of the Special Use Permit granted herein.

SECTION 3. Any person, firm, or corporation violating any of the provisions or terms of this ordinance shall be subject to the same penalty as provided for in the Comprehensive Zoning Ordinance of the city, as heretofore amended, and upon conviction shall be punished by a fine set in accordance with Chapter 1, Section 1-7 of the Code of Ordinances for the Town of Addison.

SECTION 4. Should any word, sentence, paragraph, subdivision, clause, phrase, or section of this ordinance or of the Zoning Ordinance for the Town of Addison, as amended hereby, be adjudged or held, in whole or in part, to be invalid, voided or unconstitutional, the same shall not affect the validity of the remaining portions of said ordinances, as amended hereby, which shall remain in full force and effect.

SECTION 5. All ordinances of the City in conflict with the provisions of this ordinance be, and the same are hereby repealed and all other ordinances of the City not in conflict with the provisions of this ordinance shall remain in full force and effect.

SECTION 6. This ordinance shall become effective from and after its passage and approval and after publication as may be required by law or by the City Charter.

PASSED AND APPROVED by the City Council of the Town of Addison, Texas, on this the **10TH** day of **OCTOBER** 2023.

TOWN OF ADDISON, TEXAS

Bruce Arfsten Mayor

ATTEST:

APPROVED AS TO FORM:

Irma Parker, City Secretary

Whitt Wyatt, City Attorney

EXHIBIT A

Legal Description of the Subject Property

BEGINNING at a found PK nail for a corner in the south line of Belt Line Road (a variable width right of way), said point being the common north corner of said Lot 2 and Lot 3C-1, Block D, Replat of Addison Town Center as recorded in Volume 94176, Page 1630, Deed Records of Dallas County, Texas;

THENCE, S 00° 31' 15" E, departing the south line of Belt Line Road and with the common line of said Lot 2 and Lot 3C-1, a distance of 212.50 feet to a found 5/8 inch iron rod for a corner, said point being the southeast corner of said Lot 2;

THENCE, S 89° 28' 45" W, continuing with the common line of said Lot 2 and Lot 3C-1, passing at a distance of 136.43 feet the common north corner of said Lot 3C-1 and Lot 3B, Block D of the said Replat of Addison Town Center, continuing in all a distance of 354.46 feet to a found 1/2 inch iron rod for a corner, said point being the southwest corner of said Lot 2;

THENCE, N 00° 31' 15" W, with the common line of said Lot 2 and Lot 3B, a distance of 223.50 feet to a found 1/2 inch iron rod for a corner in the south line of Belt Line Road, said point being the common north corner of said Lot 2 and Lot 3B;

THENCE, the following courses and distances with the south line of Belt Line Road;

- N 89° 28' 45" E, a distance of 115.13 feet to a found 1/2 inch iron rod for an angle point;
- S 84° 12' 44" E, a distance of 100.11 feet to a found "x" cut on concrete pavement for an angle point;
- N 89° 28' 45" E, a distance of 139.83 feet to the Point of Beginning.

EXHIBIT A

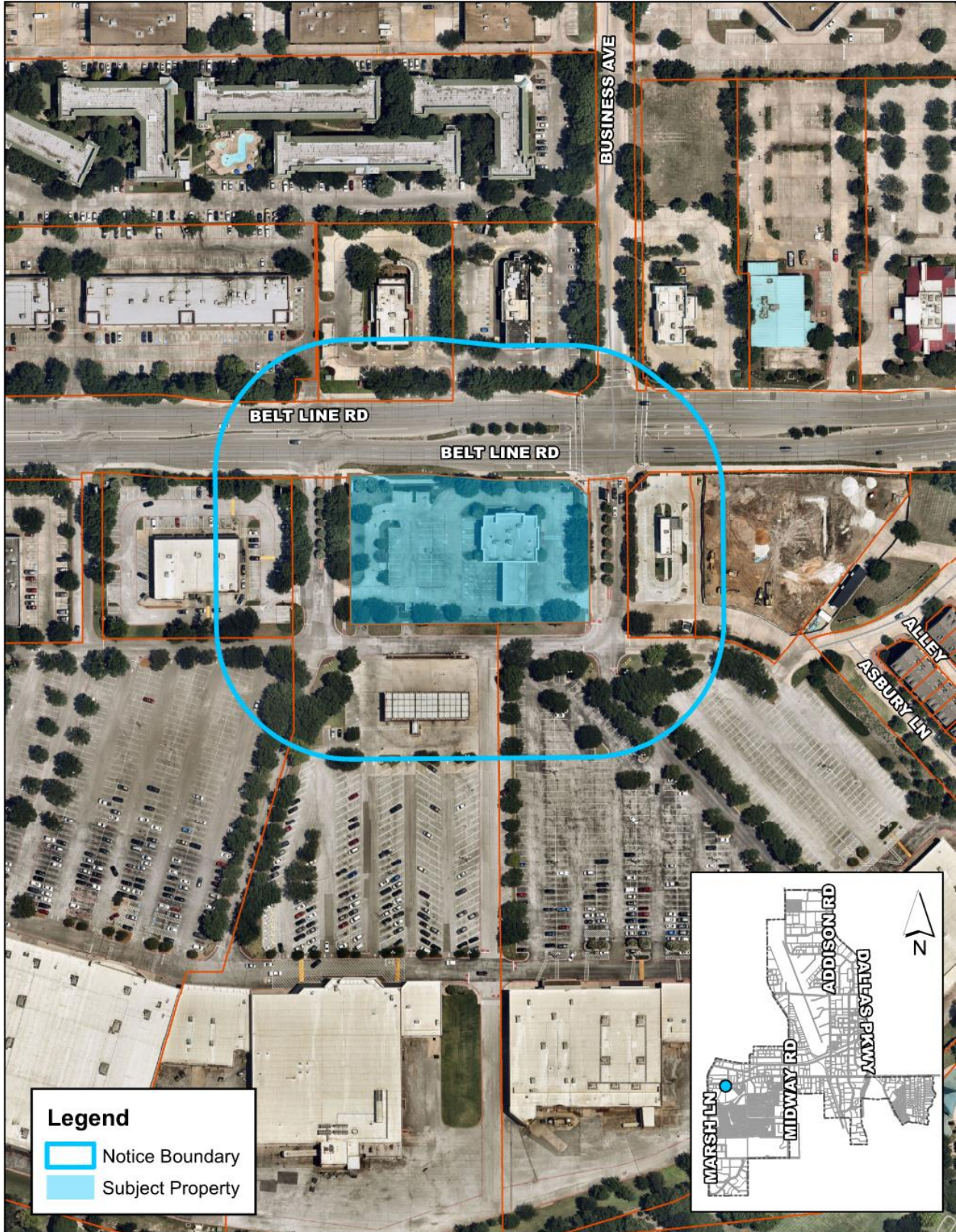
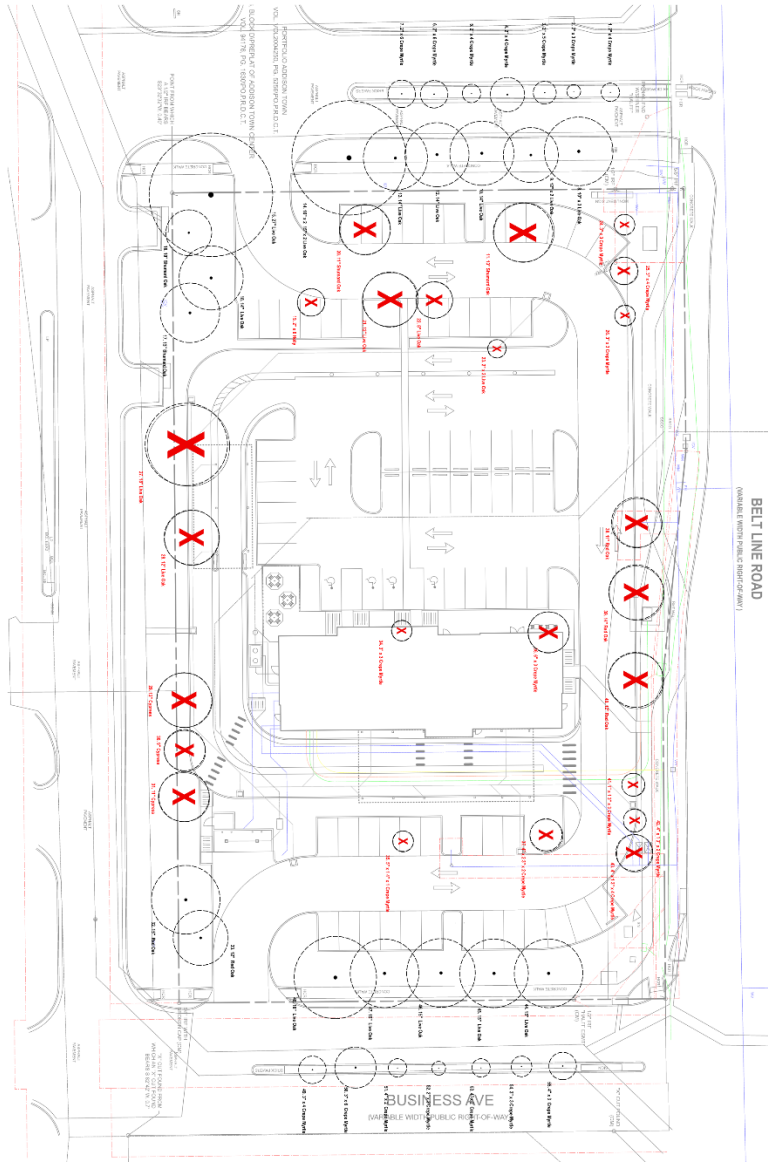


EXHIBIT B



LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN

EXISTING TREE TABLE

TREE #	INCHES DBH	THREAT	DATE	STATUS
1	8	COMP/MA	CHIK	OK
2	8	COMP/MA	CHIK	OK
3	8	COMP/MA	CHIK	OK
4	8	COMP/MA	CHIK	OK
5	8	COMP/MA	CHIK	OK
6	8	COMP/MA	CHIK	OK
7	8	COMP/MA	CHIK	OK
8	8	COMP/MA	CHIK	OK
9	8	COMP/MA	CHIK	OK
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96	8	COMP/MA	CHIK	OK
97	8	COMP/MA	CHIK	OK
98	8	COMP/MA	CHIK	OK
99	8	COMP/MA	CHIK	OK
100	8	COMP/MA	CHIK	OK

TOTAL CANOPY TREE INCHES REMAINING: 817'
 TOTAL CANOPY TREE INCHES REMOVED: 117'
 TOTAL CANOPY TREE INCHES REMOVED FOR FULL INFILTRATION: 817'
 51% (817' / 1598' tree displacement) = 51%



PERMIT
Tree Plan
L-100

CHICK-FIL-A
ADDISON - RELO
3790 BELT LINE ROAD
ADDISON, TX 75001

Case No. 1891-Z

City of Addison
3101 Eastwood Road
Addison, TX 75001
714.483.7111

manley
Landscape Architecture
3101 Eastwood Road
Addison, TX 75001
714.483.7111

Chick-fil-A
5700 Burlington Road
Atlanta, Georgia 30349-2998

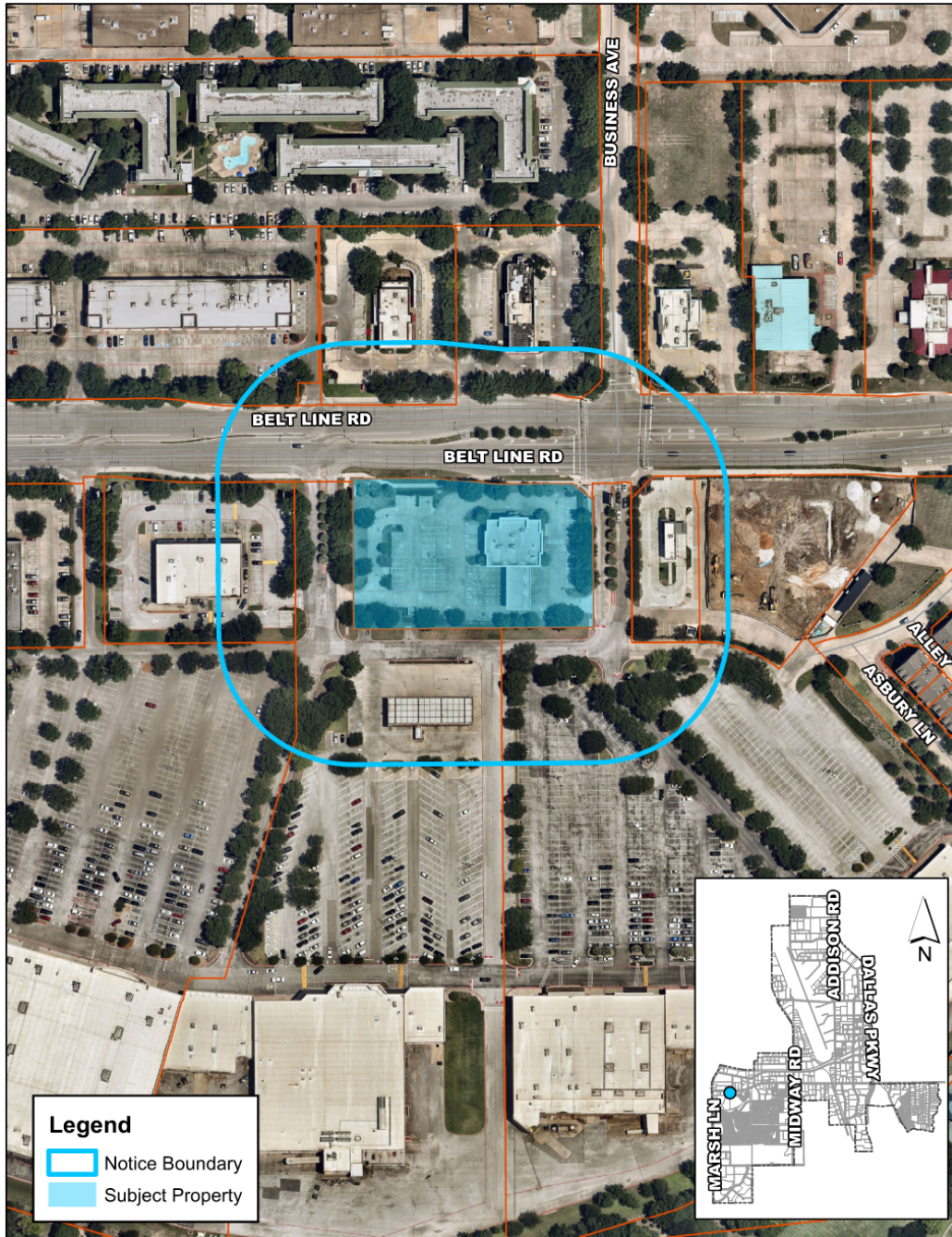
EXHIBIT B



1891-Z

PUBLIC HEARING Case 1891-Z/3790 Belt Line Road (Chick-Fil-A). Hold a public hearing, present, discuss, and consider action on a request to rezone a 1.77± acre property located at 3790 Belt Line Road, from Planned Development (PD) to a new Planned Development (PD) zoning district with a Special Use Permit (SUP), to allow for the construction of a proposed restaurant with dine-in and drive-through facilities, through the approval of development plans.

LOCATION MAP





September 19, 2023

STAFF REPORT

RE: 1891-Z/3790 Belt Line Road (Chick-Fil-A)

LOCATION: 3790 Belt Line Road

REQUEST: Rezoning of 1.77 acres from Planned Development (PD) to a new Planned Development (PD) Zoning District and approval of a Special Use Permit (SUP) to allow for a new restaurant with drive-through facilities and associated site improvements. (Application Date: 07/20/2023)

APPLICANT: Priya Acharya, Wier & Associates, Inc. on behalf of Chick-Fil-A

DISCUSSION:

Background: This request is specific to the 1.77-acre property located at 3790 Belt Line Road. The property is currently occupied by a vacant building and associated site improvements, formerly known as Capital One Bank. The site is zoned Planned Development (PD), Ordinance No. 091-068, as amended by Ordinance Nos. 092-048, 093-018, 004-030, and 006-016. The applicant, Chick-Fil-A, proposed to rezone the subject property to a new Planned Development (PD) zoning district (with modified Local Retail (LR) district standards) and a Special Use Permit (SUP) with the adoption of development plans to allow a restaurant with drive-through facilities.

Chick-Fil-A is a fast-food restaurant that was founded in 1967. Chick-Fil-A has had a location in Addison since 1994 at 3781 Belt Line Road, which is across the street from the subject property. The restaurant has expressed interest in expanding their restaurant and drive-through facilities, however, limitations at their existing site made that unfeasible. This request will allow a significant increase in drive-through stacking, covered ordering and pick-up areas, and an outdoor patio space. The applicant proposes to cease operations at the existing location (3781 Belt Line Road) with approval and development of this request.

The zoning ordinance allows restaurants with drive-thru facilities through the approval of an SUP. The proposed use complies with the ordinance.

Proposed Plan: With this request, Chick-Fil-A proposed to demolish the existing building and site improvements and construct a new restaurant with a two-lane drive-through. The development plan includes a one-story 4,927 square foot structure, which will include dine-in seating, a 425 square foot outdoor patio, and two canopy structures to support the two-lane drive-through. Site improvements will include new pavement and curbing for the proposed parking areas, drive-thru,

site access drives, and pedestrian connectivity to the existing sidewalk along Belt Line Road. Additional site improvements will include a solid waste enclosure and site landscaping.

The floor plan of the restaurant indicates most of the building to be dedicated to kitchen and service restroom areas. The dine-in area will include 1,148 square feet with table and booth seating for 68 customers. The outdoor patio will be 425 square feet and will provide seating for 12 customers.

Parking: The off-street parking requirement for a restaurant is 1 space for each 70 square feet of floor area. The development plan identifies 77 parking spaces to serve the 5,352 square foot restaurant and patio space, which meets the requirement. The site will also provide 4 accessible parking spaces. The site will maintain the existing access from Business Avenue and a cross access easement along the west property line. The applicant does not propose additional driveway connections to this site.

Traffic Generation: Given that Chick-Fil-A restaurants often generate a significant amount of activity, the Town required the applicant to complete a Traffic Impact Analysis (TIA) to determine what effect the proposed development would have on the existing roadway network.

TIAs are based on traffic engineering standards and best practices. It is common practice to utilize traffic data assumptions published by the Institute of Transportation Engineers (ITE), which combines multiple studies of actual traffic counts from different uses to establish the average number of one-way trips that similar uses can be expected to generate in a day, as well as in the AM peak hour, midday peak hour, and PM peak hour. In this instance, the Town recommended using actual traffic counts from an existing Chick-Fil-A of similar size and configuration to the proposal to complete the TIA to reflect anticipated conditions more accurately. Based upon that information, the following trip generation is anticipated with the proposed development:

Use	Size	Average Weekday Daily Trips	AM Peak Hour Trips	Midday Peak Hour Trips	PM Peak Hour Trips
Chick-Fil-A Restaurant with 2-Lane Drive-Thru	4,927 SF	4,118	252	524	278

An increase in site traffic is anticipated due to the current vacancy and underutilization of the subject property, however, the TIA determined that the current roadway network has sufficient capacity to serve the restaurant. The analysis recommended minimal traffic mitigation measures, including slight modification to timing of the existing traffic signal during peak hours at the Belt Line Road and Business Avenue intersection. With this project replacing an existing Chick-Fil-A directly across Belt Line Road, the projected net increase in traffic includes 248 daily trips, 2, am peak hour trips, 137, midday peak hour trips, and 80, pm peak hour trips.

The analysis was conducted by Lee Engineering, a Dallas-based traffic engineering firm. The analysis was reviewed by Town staff and traffic engineers at Kimley-Horn and Associates. Kimley-Horn’s traffic engineering group provides traffic engineering and transportation planning services to the Town, which includes development of the Town’s Master Transportation Plan. Based on their review, Kimley-Horn determined that the applicant’s traffic impact assessment was accurate.

Exterior Facades: The proposed facades are comprised primarily of brick veneer and the canopy structures will be constructed with steel and aluminum. The façade consists of neutral colors with black accents. The primary entrance of the restaurant will be on the west façade, with a secondary access on the north façade. The building proposes to reach a maximum height of approximately 21 feet and the canopy structures will be 9 feet 8 inches tall.

All mechanical equipment will be screened from the public rights-of-way. The proposed solid waste enclosure will be positioned at the southeast corner of the site and constructed to match the building façade.

Landscaping and Open Space: Chick-Fil-A has met or exceeded Town requirements for the provision of minimum landscape area, landscape buffer, tree plantings, and parking lot interior landscaping. With the redevelopment of the site, 259 caliper inches are proposed to be removed. Tree mitigation includes 170 caliper inches provided on site with new plantings. The remaining 89 caliper inches are proposed to be mitigated by payment into the tree mitigation fund at \$192 per caliper inch, resulting in a total fee of \$17,088.

Public Outreach: Due to this site being situated in the vicinity of the Asbury Circle neighborhood, the applicant offered to conduct a neighborhood meeting with members of the Asbury Circle HOA. The Asbury Circle HOA made the determination that the meeting was not necessary as they felt that the impact would be minimal to their neighborhood.

RECOMMENDATION: **APPROVAL**

The proposed rezoning will facilitate the redevelopment of a vacant and underutilized property. The existing building has remained vacant for several years and has become a source of code violations for the Town. Redevelopment and occupancy of the site is likely to eliminate many of those violations. Additionally, the subject property will allow Chick-Fil-A to construct a site that will more adequately accommodate their needs, specifically increased drive through stacking capacity.

Staff recommends approval of the request.



Case 1891-Z/3790 Belt Line Road (Chick-Fil-A)

September 19, 2023

COMMISSION FINDINGS:

The Addison Planning and Zoning Commission, meeting in regular session on September 19, 2023, voted to recommend approval of a request to change the zoning on property located at 3790 Belt Line Road, which property is currently zoned Planned Development (PD), to a new Planned Development District (PD) with Local Retail District (LR) standards and approval of a Special Use Permit (SUP) for a restaurant with dine-in and drive-thru facilities.

Voting Aye: Barker, Catalani, Chavez, DeFrancisco, Faircloth, Fansler

Voting Nay: none

Absent: Meleky

SPEAKERS AT THE PUBLIC HEARING:

For: none

On: none

Against: none

**Chick-fil-A Addison 05521 – 3790 Belt Line Road
Letter of Intent**

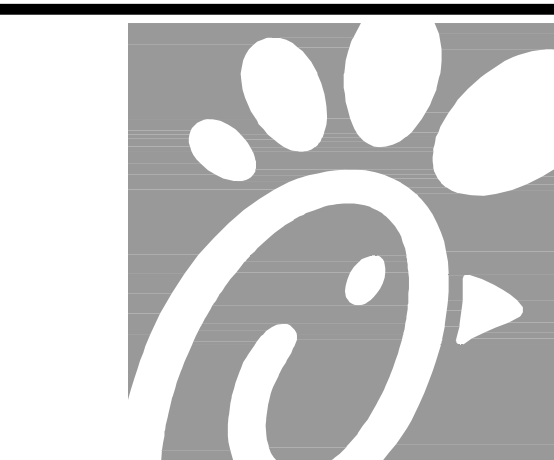
On behalf of Chick-fil-A, Inc., please find included a Zoning Request submittal package for a proposed Chick-fil-A quick service restaurant with a drive-through window. The subject property is located at 3790 Belt Line Road in Addison, TX. The lot is platted as Lot 2, Block D, Addison Town Center and is 1.769 acres.

The proposed use is a fast-food restaurant with drive-through service. The building is proposed to be a one-story building with a gross floor area of approximately 4,927 sf. Based on the approximate gross floor area and patio area, we calculate that 77 parking stalls are required. The concept plan proposes 77 on-site surface parking stalls with 2 drive-thru lanes.

The site is currently a vacant financial institution building with a parking lot. The existing site currently has drainage infrastructure and utility extensions to serve the proposed site and building; we are modifying some of the private infrastructure to accommodate the proposed development. The proposed building is expected to maintain the existing drainage patterns and utilize the existing utilities onsite.

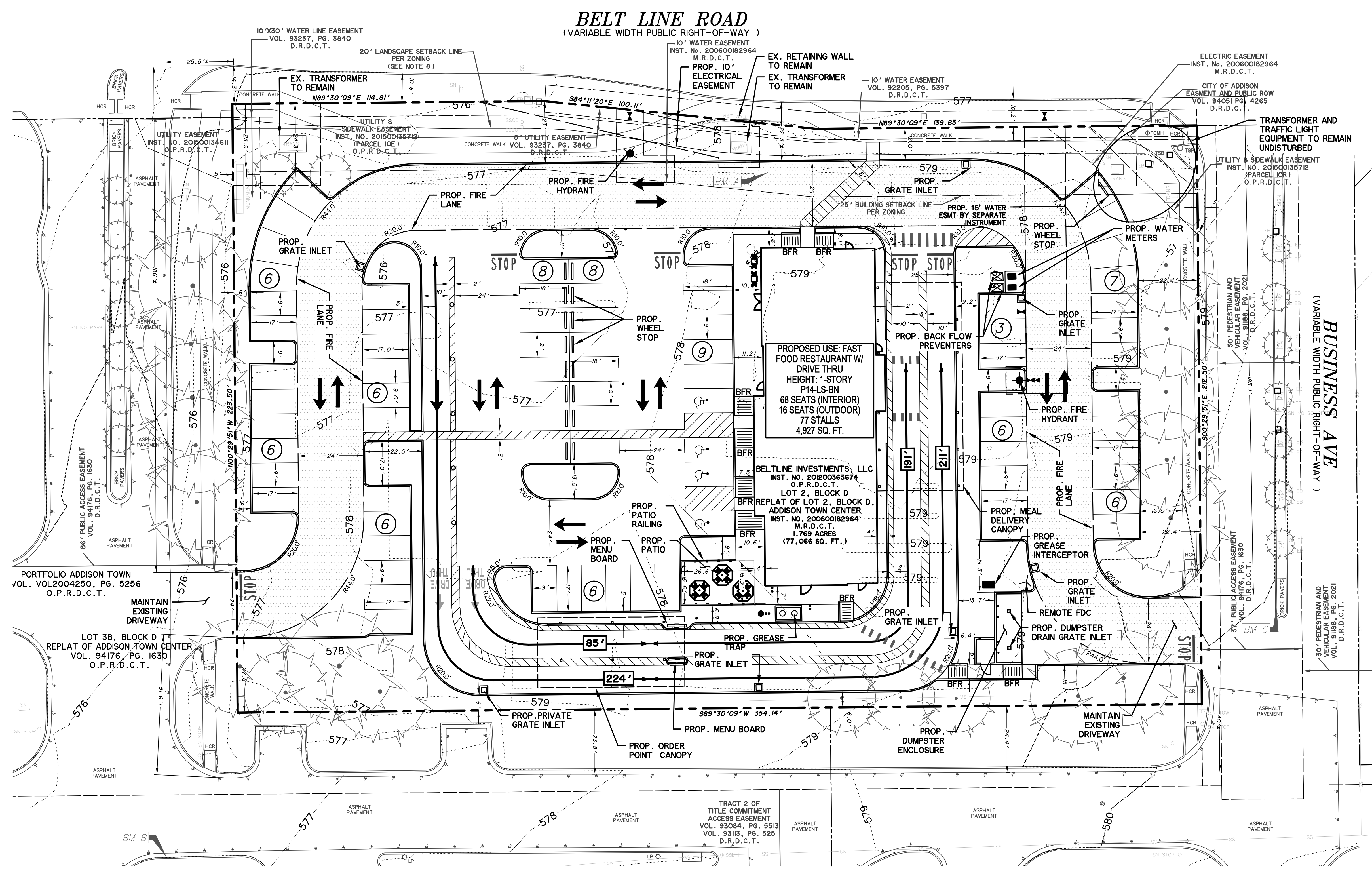
The site is currently zoned as a Planned Development (PD) with Local Retail (LR) base zoning and is proposed to be rezoned to a new Planned Development with Local Retail base zoning. Although the 1.769-acre subject lot is located within the Addison Town Center shopping center, it is an independent parcel with an access agreement with the center.

The existing on-site building is proposed to be demolished. No additional driveways are proposed to Belt Line Road.



Chick-fil-A

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998



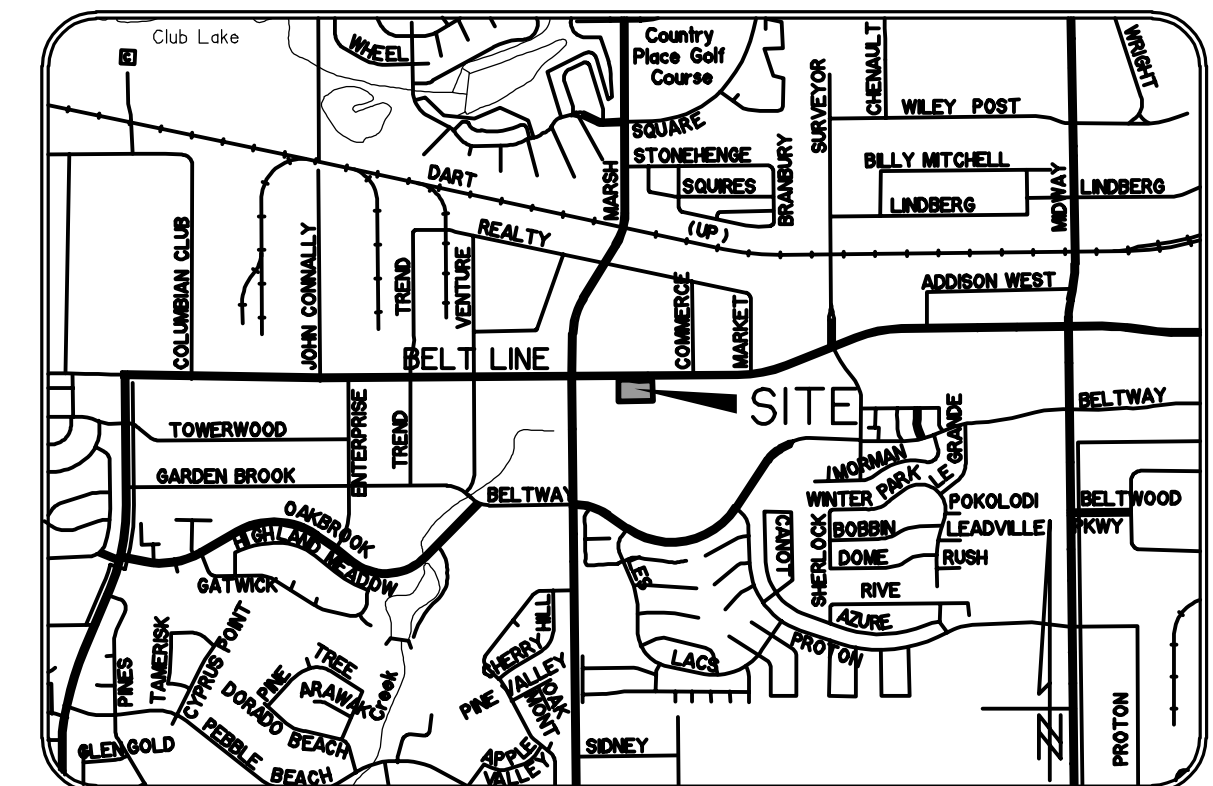
CHICK-FIL-A ADDISON SITE DATA	
LOT 2, BLOCK D, ADDISON TOWN CENTER	
GENERAL	
EXISTING ZONING	PLANNED DEVELOPMENT (PD) ORD NO. 006-016 AS AMENDED
PROPOSED ZONING	PD-PLANNED DEVELOPMENT - LOCAL RETAIL
CURRENT USE	VACANT FINANCIAL INSTITUTION
PROPOSED USE	FAST FOOD RESTAURANT WITH DRIVE THRU
OVERALL SITE	
GROSS SITE AREA	1.769 ACRES
SITE FRONTAGE	355 FT
SITE WIDTH	354 FT
SITE DEPTH	224 FT
IMPERVIOUS COVER	1.336 ACRES
PERVIOUS COVER	0.433 ACRES
BUILDING DATA	
BUILDING AREA	4,927 SQ. FT.
BUILDING HEIGHT	21.5 FT.
PATIO AREA	425 SQ. FT.
ORDER POINT CANOPY	1,386 SQ. FT.
MEAL DELIVERY CANOPY	2,353 SQ. FT.
BUILDING COVERAGE	11%
REQUIRED PARKING	
PARKING SPACE RATIO	1/70 S.F.
TOTAL PARKING REQUIRED	77
PARKING PROVIDED	77
ADA PARKING REQUIRED	4
ADA PARKING PROVIDED	4

*** LEGEND ***

BOL	BOLLARD
CB	CURB INLET
CM	CONCRETE MONUMENT
EB	ELECTRIC BOX
EM	ELECTRIC METER
FN	FIRE HYDRANT
FOVLT	FIBER OPTIC VAULT
GM	GAS METER
GTS	GAS TEST STATION
GV	GVY WIRE
GVW	GAS VALVE
HWL	CONCRETE HEADWALL
ICV	IRRIGATION CONTROL VALVE
RF	IRON ROD FOUNDATION
LP	LIGHT POLE
PP	POWER POLE W/CONDUIT
PPLP	POWER POLE W/LIGHT POLE
PPT	POWER POLE W/TRANSFORMER
RCF	CONCRETE STORM DRAIN PIPE
SDMH	STORM DRAIN MANHOLE
SN	SIGN
SWG	GAS PIPELINE MARKER
SSM	SANITARY SEWER MANHOLE
SSCO	SANITARY SEWER CLEANOUT
TPO	TELEPHONE PEDESTAL
TBX	TELEPHONE BOX
TSE	TELEPHONE SIGNAL BOX
TSM	TELEPHONE MANHOLE
TRAF	TRANSFORMER PAD
TSP	TRAFFIC SIGNAL POLE
TSVLT	TRAFFIC SIGNAL VAULT
WM	WATER METER
WMH	WATER MANHOLE
WV	WATER VALVE
WVLT	WATER VAULT
OE	OVERHEAD ELECTRIC LINE
UE	UNDERGROUND ELECTRIC LINE
W	WATER LINE
SS	SANITARY SEWER LINE
FO	FIBER OPTIC LINE
UG	UNDERGROUND GAS
UT	UNDERGROUND TELEPHONE
3620.97 TC	TOP OF CURB SPOT SHOT
3620.47 G	GUTTER SPOT SHOT
X	TOPOGRAPHIC SPOT SHOT

LEGEND

[Symbol]	PROP. ON-SITE FIRELANE
[Symbol]	BARRIER FREE RAMP



VICINITY MAP
NOT TO SCALE

- NOTES:**
- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
 - EXISTING VACANT BANK BUILDING AND SITE IS PROPOSED TO BE DEMOLISHED.
 - THIS PROPERTY IS LOCATED WITHIN FEMA ZONE 'X' PER FEMA PANEL 48113C0180K, EFFECTIVE 07/07/2014.

VERTICAL DATUM NOTE:

REFERENCE DATUM = NORTH AMERICAN VERTICAL DATUM (NAD) 88 UTILIZING THE RTK NETWORK ADMINISTERED BY ALLTERRA CENTRAL, INC.

SITE BENCHMARK A AN "X" CUT IN CONCRETE BACK OF CURB ALONG NORTH LINE OF PARKING LOT NEAR NORTHWEST CORNER OF BUILDING, ±3' SOUTHWEST OF TRANSFORMER AND ±5' SOUTHWEST OF LIGHT POLE.

ELEVATION = 578.55'

SITE BENCHMARK B AN "X" CUT IN CONCRETE BACK OF CURB ALONG SOUTH LINE OF ACCESS DRIVE ±23' NORTHEAST OF STOP SIGN AND ±87' WEST OF LIGHT POLE.

ELEVATION = 577.30'

SITE BENCHMARK C AN "X" CUT IN WEST END OF CURB RADIUS ALONG WEST BACK OF CURB LINE OF MEDIAN FOR ACCESS DRIVE ALONG EAST SIDE OF LOT 2 ±54' SOUTHWEST OF LIGHT POLE AND ±175' SOUTH OF INTERSECTION WITH BELT LINE ROAD.

ELEVATION = 580.64'

PRELIMINARY PLANS FOR PROJECT REVIEW. NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

Prepared By/Or Under Direct Supervision Of Priya Acharya, PE
Texas Registration No. 110146 On Date Shown Below.

WIA WIER & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS

2201 E. LAMAR BLVD., SUITE 200E ARLINGTON, TEXAS 76006 METRO (817)467-7700
Texas Firm Registration No. F-2776 www.WierAssociates.com

DEVELOPER
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CRAIG WILLIAMS
2618 SAN MIGUEL, BOX 314
NEWPORT BEACH, CA 92660
714-466-7200
SANMARGRAY@MAC.COM

ARCHITECT
MAYSE & ASSOCIATES, INC.
BRYCE NICHOLS
14881 QUORUM DRIVE, STE. 800
DALLAS, TX 75254
972-386-0338

ENGINEER
WIER & ASSOCIATES, Inc.
PRIYA ACHARYA, P.E.
2201 E. LAMAR BLVD. STE. 200E
ARLINGTON, TX 76006
817-467-7700
PRIYAA@WIERASSOCIATES.COM

**CASE # 1891-Z
CONCEPT PLAN
CHICK-FIL-A ADDISON 05521**

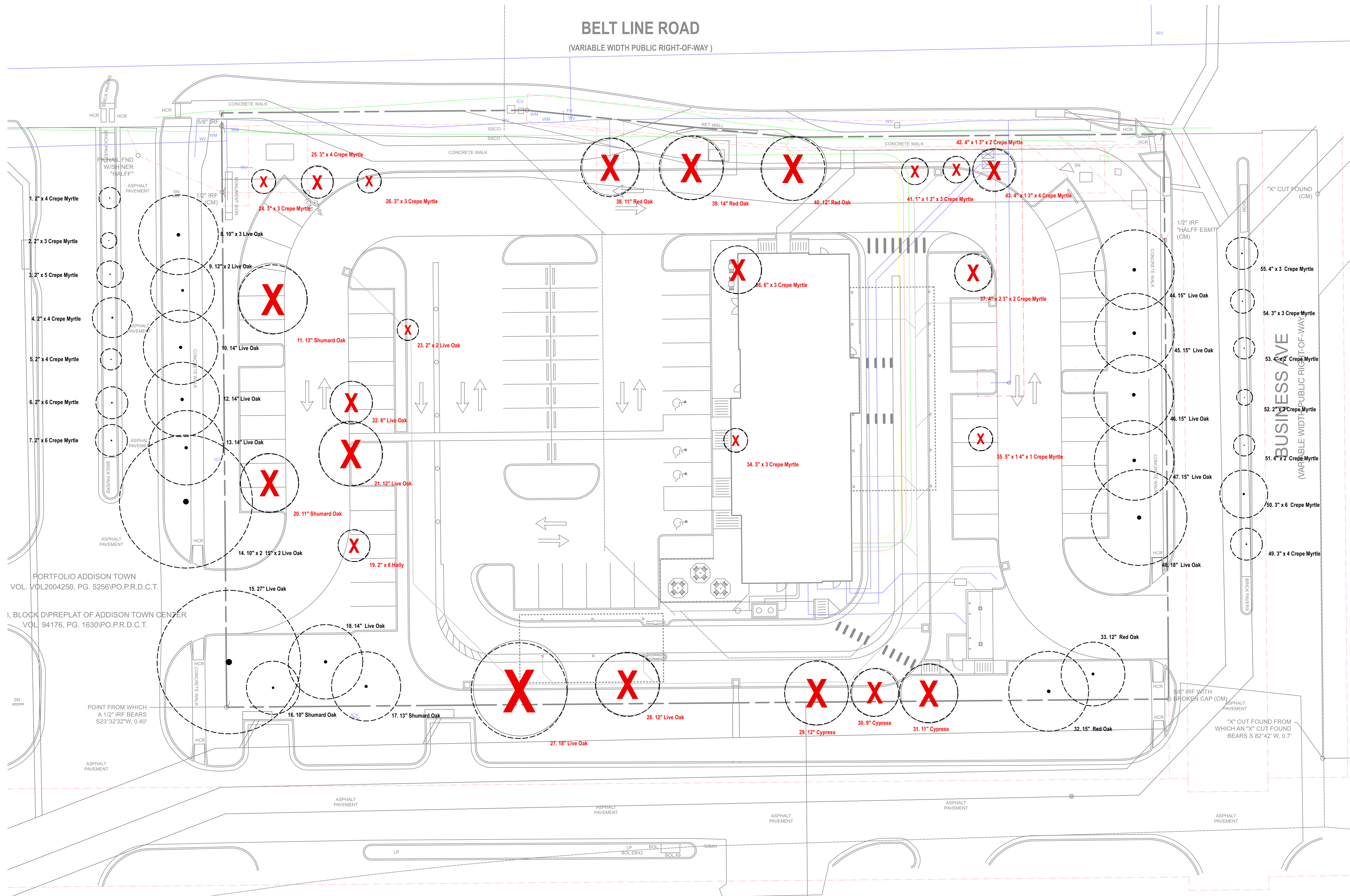
**LOT 2, BLOCK D
ADDISON TOWN CENTER
3790 BELT LINE ROAD
ADDISON, TEXAS 75254**

BEING A PORTION OF 1.769 ACRES
OF LAND LOCATED IN THE
THOMAS L. CHENOWITH SURVEY,
ABSTRACT No. 273
TOWN OF ADDISON, DALLAS COUNTY, TEXAS.

SUBMITTAL DATE: 09/06/2023
DATE: 9/13/2023
SHEET 1 OF 1
W.A. No. 23011



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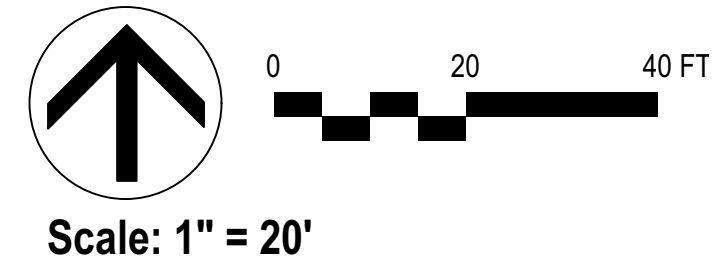
LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN

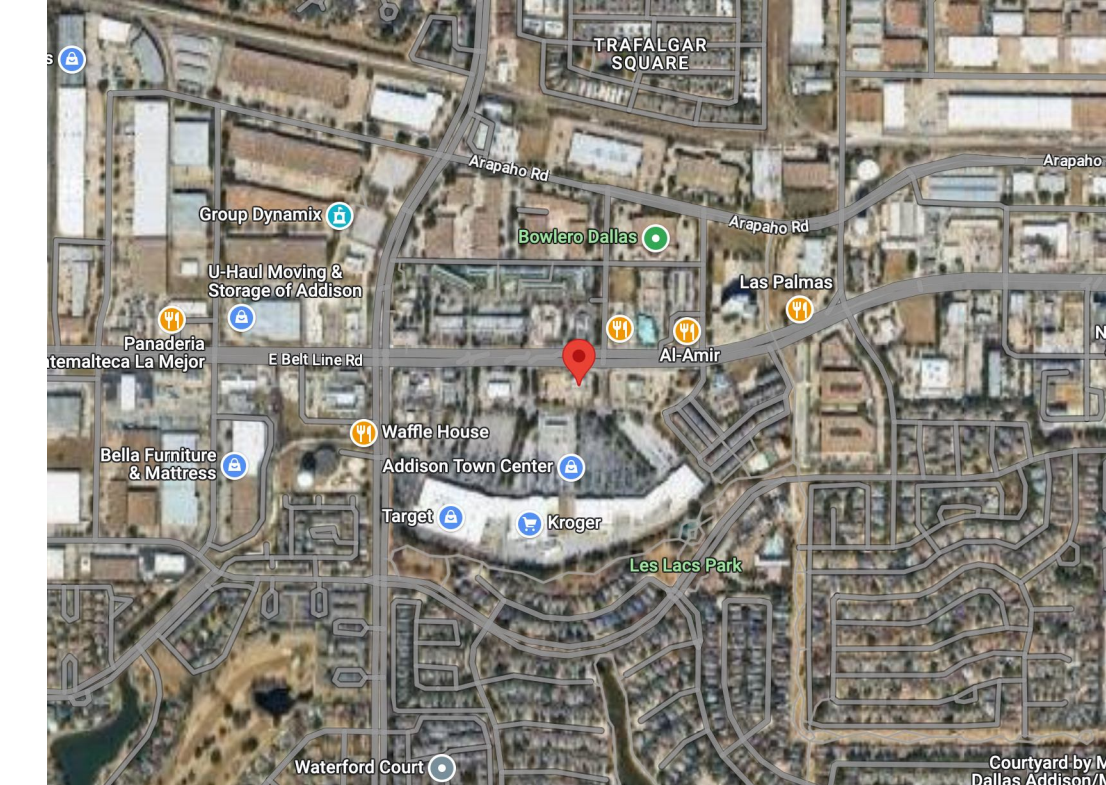
EXISTING TREE TABLE

TREE #	INCHES SAVED ONSITE	INCHES REMOVED	TREE	ONSITE / OFFSITE
1	8		Crepe Myrtle	Offsite
2	6		Crepe Myrtle	Offsite
3	10		Crepe Myrtle	Offsite
4	8		Crepe Myrtle	Offsite
5	8		Crepe Myrtle	Offsite
6	12		Crepe Myrtle	Offsite
7	12		Crepe Myrtle	Offsite
8	30		Live Oak	Offsite
9	24		Live Oak	Offsite
10	14		Live Oak	Offsite
11		13	Shumard Oak	Onsite
12	14		Live Oak	Offsite
13	14		Live Oak	Offsite
14	50		Live Oak	Offsite
15	27		Shumard Oak	Onsite
16	10		Shumard Oak	Onsite
17	13		Live Oak	Onsite
18	14		Live Oak	Onsite
19		12	Holly	Onsite
20		11	Shumard Oak	Onsite
21		12	Live Oak	Onsite
22		8	Live Oak	Onsite
23		4	Live Oak	Onsite
24		9	Crepe Myrtle	Onsite
25		12	Crepe Myrtle	Onsite
26		9	Crepe Myrtle	Onsite
27		18	Live Oak	Onsite
28		12	Live Oak	Onsite
29		12	Cypress	Onsite
30		9	Cypress	Onsite
31		11	Cypress	Onsite
32	15		Red Oak	Onsite
33	12		Red Oak	Onsite
34		9	Crepe Myrtle	Onsite
35		9	Crepe Myrtle	Onsite
36		18	Crepe Myrtle	Onsite
37		14	Crepe Myrtle	Onsite
38		11	Red Oak	Onsite
39		14	Red Oak	Onsite
40		12	Red Oak	Onsite
41		10	Crepe Myrtle	Onsite
42		10	Crepe Myrtle	Onsite
43		16	Crepe Myrtle	Onsite
44	15		Live Oak	Onsite
45	15		Live Oak	Onsite
46	15		Live Oak	Onsite
47	15		Live Oak	Onsite
48	18		Live Oak	Onsite
49	12		Crepe Myrtle	Offsite
50	18		Crepe Myrtle	Offsite
51	8		Crepe Myrtle	Offsite
52	6		Crepe Myrtle	Offsite
53	8		Crepe Myrtle	Offsite
54	9		Crepe Myrtle	Offsite
55	12		Crepe Myrtle	Offsite
169		259		

TOTAL CANOPY TREE INCHES REMAINING: 169"
 TOTAL CANOPY TREE INCHES REPLACED: 259"
 TOTAL CANOPY TREE INCHES REQUIRED: 170"
 TOTAL CANOPY INCHES REQUIRED FOR FULL MITIGATION: 89"
 \$192 x 89" = \$17,088 Tree Mitigation Fund



LOCATION MAP:



CASE No. 1891-Z

CHICK-FIL-A
ADDISON - RELO
 3790 BELT LINE ROAD
 ADDISON, TX 75001

FSU# 05521

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	9/23	MB City Comments

MLD PROJECT # 2023124
 PRINTED FOR CONCEPT PLAN
 DATE 7/10/23
 DRAWN BY MB

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SHEET
Tree Plan

SHEET NUMBER
L-100

PERMIT

LANDSCAPE REQUIREMENTS

A. LANDSCAPE DESIGN STANDARDS SEC. 34-207

- REQUIRED**
- In all districts, a 20-foot wide landscape buffer strip shall be provided along the entire length of the portion of the perimeter of the lot where a public or private street exists.
 - The minimum requirement for the street landscape buffers shall be one 4" cal. shade tree per 30 LF = 12 trees
Belt Line Road: 355 LF / 30 LF
 - Evergreen shrubs shall be planted 36" to 42" on center depending on shrub
 - The surface parking lot screening shall be at least 42" higher than the finished elevation of adjacent parking lot.
 - The perimeter parking lot landscape strip shall be at least 5' wide for sites larger than 10,000 SF
 - The perimeter landscape shall have (1) 4" Cal. shade tree per 35 LF = 5 trees
West: 172 LF / 35 LF
South: 354 LF / 35 LF = 10 trees
East: 179 LF / 35 LF = 5 trees
 - The perimeter landscape shall have (1) shrub planted 42" O.C.
 - The parking lot landscaping; interior area: 25,661 SF requires 5% interior planting area = 1,283.05 SF interior planting area required
 - (1) Shade tree for each 10 required parking spaces on the lot = 8 parking lot trees
77 parking spaces / 10
 - No required parking space may be located further than 50 LF from the trunk of a shade tree, or further than 75 LF from two or more shade trees.
 - All shrub beds shall be edged using steel, concrete, masonry, or pre-cast concrete edging = 7,612.5 open space required
37,542.38 x 20%
- PROVIDED**
- 20' wide landscape buffer strip is existing on all sides of the site.
 - Belt Line Road: (2) Shumard Oak, (3) Chinese Pistache, (3) Natchez Crepe Myrtle, (5) Bald Cypress = 13 trees
 - Evergreens shrubs planted 42" O.C.
 - Shrubs are proposed at 42" Hgt.
 - Planting strip is proposed at a minimum 5'
 - West: (1) Existing Oak, (4) Shumard Oak = 5 trees
South: (5) Existing Oak, (3) Live Oak, (2) Chinese Pistache = 10 trees
East: (5) Existing Oak = 5 trees
 - Perimeter landscape planted with shrubs 42" O.C.
 - 7,781.85 Interior planting area proposed
 - (8) Bald Cypress, (9) Bosque Elm = 17 trees parking lot trees
 - All parking spaces are within 50 LF of a shade tree
 - Steel edge will be used around all planting beds
 - 22,028.8 SF of open space provided

NOTE:

- AN IRRIGATION PLAN IS REQUIRED ON CIVIL, AND CONSTRUCTION PLANS AND MUST BE SIGNED AND SEALED BY A LICENSED IRRIGATOR.

- ALL IRRIGATION CONTROLLERS MUST HAVE A RAIN AND FREEZE SENSORS.

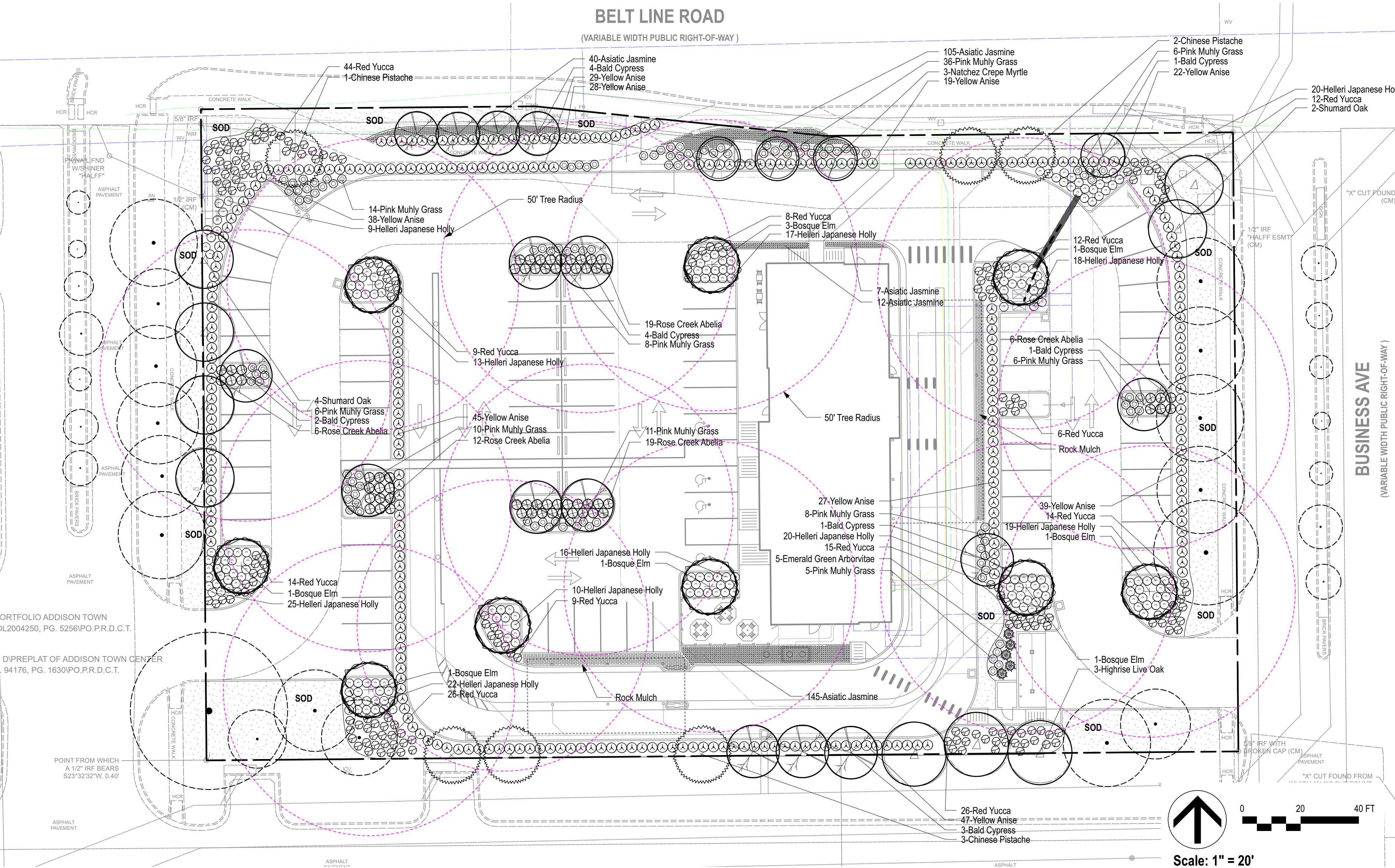
PLANT LIST

Qty	Botanical Name	Common Name	Scheduled Size	Remarks
Trees				
3	Lagerstroemia indica 'Natchez'	Natchez Crepe Myrtle	3" Cal. x 5'-6" Spr.	Multi-trunked
6	Pistacia chinensis	Chinese Pistache	4" Cal. 14' Hgt.	B & B; single straight leader
6	Quercus shumardii	Shumard Oak	4" Cal. 14' Hgt.	B & B; single straight leader
3	Quercus virginiana 'QV7IA'	Highrise Live Oak	4" Cal. 14' Hgt.	B & B; single straight leader
16	Taxodium distichum	Bald Cypress	4" Cal. 14' Hgt.	B & B; single straight leader
5	Thuja occidentalis 'Smaragd'	Emerald Green Arborvitae	Min. 8'-10" Hgt.	
9	Ulmus parvifolia 'Bosque'	Bosque Elm	4" Cal. 14' Hgt.	B & B, single straight leader
Shrubs				
62	Abelia x chinensis 'Rose Creek'	Rose Creek Abelia	Min. 5 Gal.	Plant 42" O.C.
195	Hesperaloe parviflora	Red Yucca	Min. 5 Gal.	Plant 36" O.C.
189	Ilex crenata 'Helleri'	Helleri Japanese Holly	Min. 5 Gal.	Plant 36" O.C.
294	Illicium parviflorum	Yellow Anise	Min. 42" Hgt.	Plant 42" O.C.
110	Muhlenbergia capillaris	Pink Muhly Grass	Min. 5 Gal.	Plant 36" O.C.
Groundcovers				
309	Trachelospermum asiaticum	Asiatic Jasmine	1 Gal.	
6410	Cynodon dactylon	Hybrid Bermuda Grass	SF. Sod	
Other				

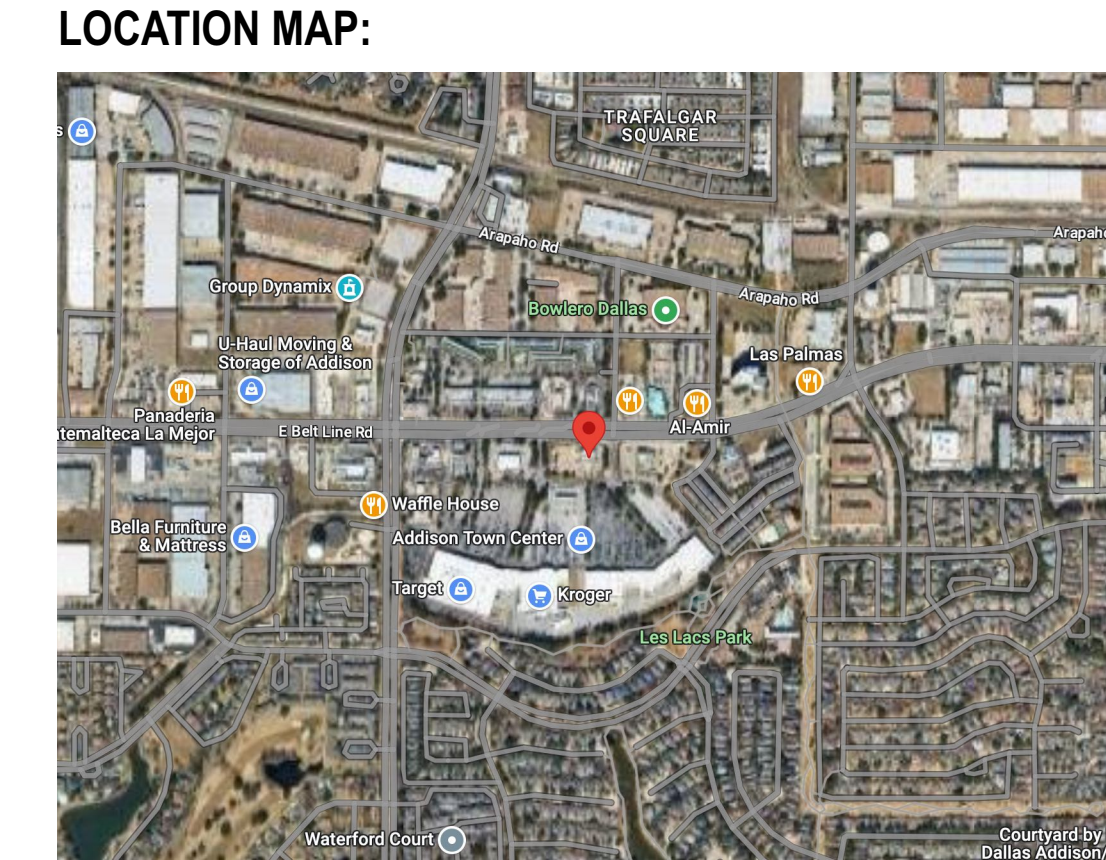
SOUTHEAST LANDSCAPE NOTES

- Landscape Contractor to read and understand the Landscape Specifications prior to finalizing bids. The Landscape Specifications shall be adhered to throughout the construction process.
- Contractor is responsible for locating and protecting all underground utilities prior to digging.
- Contractor is responsible for protecting existing trees from damage during construction.
- All tree protection devices to be installed prior to the start of land disturbance, and maintained until final landscaping.
- All tree protection areas to be protected from sedimentation.
- All tree protection fencing to be inspected daily, and repaired or replaced as needed.
- No parking, storage or other construction activities are to occur within tree protection areas.
- All planting areas shall be cleaned of construction debris (i.e. concrete, rock, rubble, building materials, etc) prior to adding and spreading of the topsoil.
- General Contractor is responsible for adding a min of 4" clean friable topsoil in all planting beds and all grassed areas. Graded areas to be held down the appropriate elevation to account for topsoil depth. See Landscape Specifications for required topsoil characteristics.
- In all parking lot islands, the General Contractor is responsible to remove all debris, fracture/loosen subgrade to a min. 24" depth. Add topsoil to a 6"-8" bermed height above island curbing; refer to landscape specifications and landscape island detail.
- Prior to beginning work, the Landscape Contractor shall inspect the subgrade, general site conditions, verify elevations, utility locations, irrigation, approve topsoil provided by the General Contractor and observe the site conditions under which the work is to be done. Notify the General Contractor of any unsatisfactory conditions, work shall not proceed until such conditions have been corrected and are acceptable to the Landscape Contractor.
- Any deviations from the approved set of plans are to be approved by the Landscape Architect.
- Landscaping shall be installed in conformance with ANSI Z60.1 the "American Standard for Nursery Stock" and the accepted standards of the American Association of Nurserymen.
- Existing grass in proposed planting areas shall be killed and removed. Hand rake to remove all rocks and debris larger than 1 inch in diameter, prior to adding topsoil and planting shrubs.
- Soil to be tested to determine fertilizer and lime requirements prior to laying sod.
- Annual and perennial beds: add min. 4 inch layer of organic material and till to a min. depth of 12 inches. Mulch annual and perennial beds with 2-3 inch depth of mini nuggets.
- All shrubs beds (existing and new) to be mulched with a min. 3 inch layer of mulch (double shredded hardwood mulch).
- Planting holes to be dug a minimum of twice the width of the root ball, for both shrub and tree. Set plant material 2'-3" above finish grade. Backfill planting pit with topsoil and native excavated soil.
- Sod to be delivered fresh (Cut less than 24 hours prior to arriving on site), laid immediately, rolled, and watered thoroughly immediately after planting. Edge of sod at planting beds are to be "V" trenched; see Landscape Details.
- Any existing grass disturbed during construction to be fully removed, regraded and replaced. All tire marks and indentions to be repaired.
- Water thoroughly twice in first 24 hours and apply mulch immediately.
- The Landscape Contractor shall guarantee all plants installed for one full year from date of acceptance by the owner. All plants shall be alive and at a vigorous rate of growth at the end of the guarantee period. The Landscape Contractor shall not be responsible for acts of God or vandalism. See Landscape Specifications for Warranty requirements/expectations.
- Any plant that is determined dead, in an unhealthy, unsightly condition, lost its shape due to dead branches, or other symptoms of poor, non-vigorous growth, shall be replaced by the Landscape Contractor. See Landscape Specifications for warranty requirements/expectations.
- Site to be 100% irrigated in all planting beds and grass area by an automatic underground Irrigation System. Irrigation as-built shall be provided to the Landscape Architect within 24 hours of irrigation install completion.
- Stake all evergreen and deciduous trees as shown in the planting detail and as per the Landscape Specifications.
- Remove stakes and guying from all trees after one year from planting.

NOTE: STEEL EDGING TO BE PLACED AROUND ALL THE LANDSCAPE AREAS WHERE TURF IS PRESENT.



CHICK-FIL-A ADDISON 05521
LOT 2, BLOCK D
ADDISON TOWN CENTER
3790 BELT LINE ROAD
ADDISON, TEXAS 75254
BEING A PORTION OF 1.769 ACRES
OF LAND LOCATED IN THE: THOMAS L CHENOWITH SURVEY
ABSTRACT No. 273
TOWN OF ADDISON, DALLAS COUNTY, TEXAS



Chick-fil-A
Chick-fil-A
5200 Buffington Road
Atlanta, Georgia 30349-2998

manley
LAND DESIGN
Landscape Architecture
 Manley Land Design, Inc.
 51 Old Canton Street
 Alpharetta, Georgia 30009
 770.442.8171 tel



CASE No. 1891-Z

CHICK-FIL-A
ADDISON - RELO
3790 BELT LINE ROAD
ADDISON, TX 75001

FSU# 05521

REVISION SCHEDULE
 NO. DATE BY DESCRIPTION
 1 9/23 MB City Comments

MLD PROJECT # **2023124**
 PRINTED FOR **CONCEPT PLAN**
 DATE **7/10/23**
 DRAWN BY **MB**

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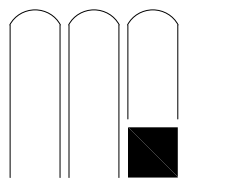
PERMIT Landscape Plan
 SHEET NUMBER **L-101**



Chick-fil-A

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

MAYSE & ASSOCIATES, INC.
Architecture • Planning • Construction Management



14881 Quorum Dr. Suite 800
Dallas, Texas 75254
Phone: (972) 386-0338 Fax: (972) 386-0578
www.MayseAssociates.com

8/30/2023 9:30:14 AM

CHICK-FIL-A
Addison FSU
3790 Belt Line Rd
Addison, TX 75001

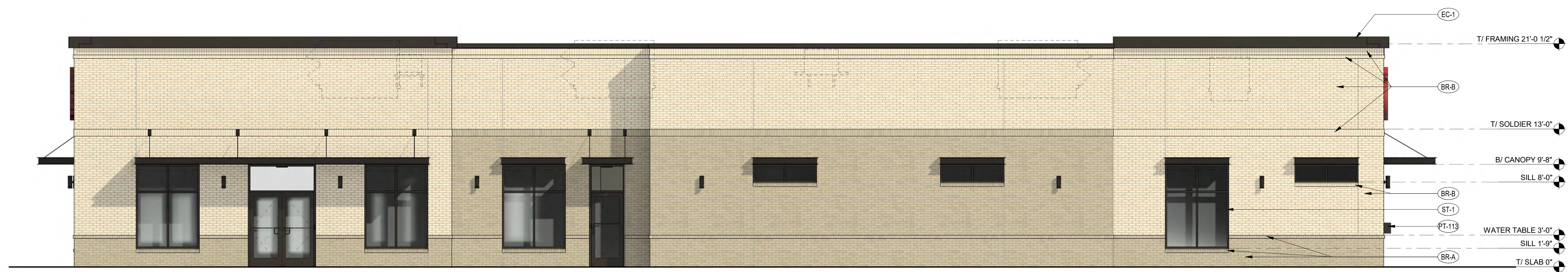
FSR#05521
BUILDING TYPE / SIZE: P14 LS BN
RELEASE: 23.05
PRINTED FOR
MUNICIPAL REVIEW

REVISION SCHEDULE
NO. DATE DESCRIPTION

CONSULTANT PROJECT # 23084
DATE 8/30/2023 9:30:14 AM
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SHEET
EXTERIOR ELEVATIONS

SHEET NUMBER
A-302

CASE No. 1891-Z



D4 WEST ELEVATION - FRONT
3/16" = 1'-0"

TOTAL FACADE - 2518 SF
BR-A - 853.2 SF 33.9%
BR-B - 1350.6 SF 53.6%
ST-1 / DOORS - 314.2 SF 12.5%



B4 EAST ELEVATION
3/16" = 1'-0"

TOTAL FACADE - 2518 SF
BR-A - 1232.1 SF 48.9%
BR-B - 1082.6 SF 43.0%
ST-1 / DOORS - 203.3 SF 8.1%

FINISH SCHEDULE - EXTERIOR

MARK	DESCRIPTION	MANUFACTURER	MODEL NAME	MODEL NUMBER	COLOR	NOTE
BR-A	BRICK VENEER (PRIMARY)	ACME BRICK	MODULAR		PALOMA GRAY	MORTAR: ARGOS SAN TAN
BR-B	BRICK VENEER (ACCENT)	ACME BRICK	MODULAR		RUSTIC WHITE	MORTAR: ARGOS SAN TAN
CP-1	CANOPY METAL FASCIA		DURA COAT	DC19ST-2703	DARK BRONZE	OIL RUBBED BRONZE METALLIC TEXTURE PVD
CP-2	CANOPY METAL DECK				WHITE	SMOOTH WHITE, HIGH GLOSS
EC-1	PARAPET WALL COPING	DUROLAST / EXCEPTIONAL METALS			MIDNIGHT BRONZE	
PT-100	EXTERIOR PAINT	SHERWIN WILLIAMS	SHER-CRYL HIGH PERFORMANCE ACRYLIC #B66-350	SW 2807	ROOKWOOD	REFUSE ENCLOSURE. FINISH: SEMI-GLOSS ON DOOR FRAMES, SATIN ON WALLS
PT-110	EXTERIOR PAINT	SHERWIN WILLIAMS	SHER-CRYL HIGH PERFORMANCE ACRYLIC #B66-350	SW-9097	SOFT FAWN	REFUSE ENCLOSURE. FINISH: SEMI-GLOSS ON DOOR FRAMES, SATIN ON WALLS
PT-113	EXTERIOR PAINT	SHERWIN WILLIAMS	SHER-CRYL HIGH PERFORMANCE ACRYLIC #B66-350	SW BRONZETONE	DARK BRONZE	FINISH: SEMI-GLOSS
ST-1	STOREFRONT	YKK	YES 45		DARK BRONZE (MATTE)	

FACADE PLAN NOTES

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FACADE PLAN

CASE NO. 1891-Z
CONCEPT PLAN
CHICK-FIL-A ADDISON 05521
LOT 2, BLOCK D
ADDISON TOWN CENTER
3790 BELTLINE RD.
ADDISON, TX 75001
BEING A PORTION OF 1.769 ACRES
OF LAND LOCATED IN THE
THOMAS L. CHENOWETH SURVEY,
ABSTRACT NO. 273
TOWN OF ADDISON, DALLAS COUNTY, TEXAS
DATE: 07.10.2023

ARCHITECT

MAYSE & ASSOCIATES, INC.
14881 QUORUM DR., SUITE 800
DALLAS, TX 75254
972.386.0338
CONTACT: BRYCE NICHOLS
bnichols@mayseassociates.com

OWNER & APPLICANT

CHICK-FIL-A, INC.
5200 BUFFINGTON RD.
ATLANTA, GA 30349
404.765.8000
CONTACT: GETRA SANDERS

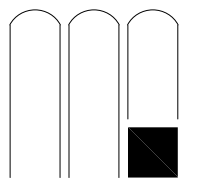
8/30/2023 9:30:14 AM Autodesk Docs:ITX_05521_Addison FSU_2023.6_FSR05521_Addison FSU_ARC.rvt 974LS-05521-A-302-EXTERIOR ELEVATIONS



Chick-fil-A

Chick-fil-A
 5200 Buffington Road
 Atlanta, Georgia
 30349-2998

MAYSE & ASSOCIATES, INC.
 Architecture • Planning • Construction Management



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 Dallas, Texas 75254
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8/30/2023 9:30:48 AM

CHICK-FIL-A
 Addison FSU
 3790 Belt Line Rd
 Addison, TX 75001

FSR#05521

BUILDING TYPE / SIZE: P14 LS BN
 RELEASE: 23.05
 PRINTED FOR
MUNICIPAL REVIEW

REVISION SCHEDULE
 NO. DATE DESCRIPTION

CONSULTANT PROJECT # 23084
 DATE 8/30/2023 9:30:48 AM
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EXTERIOR ELEVATIONS

SHEET NUMBER

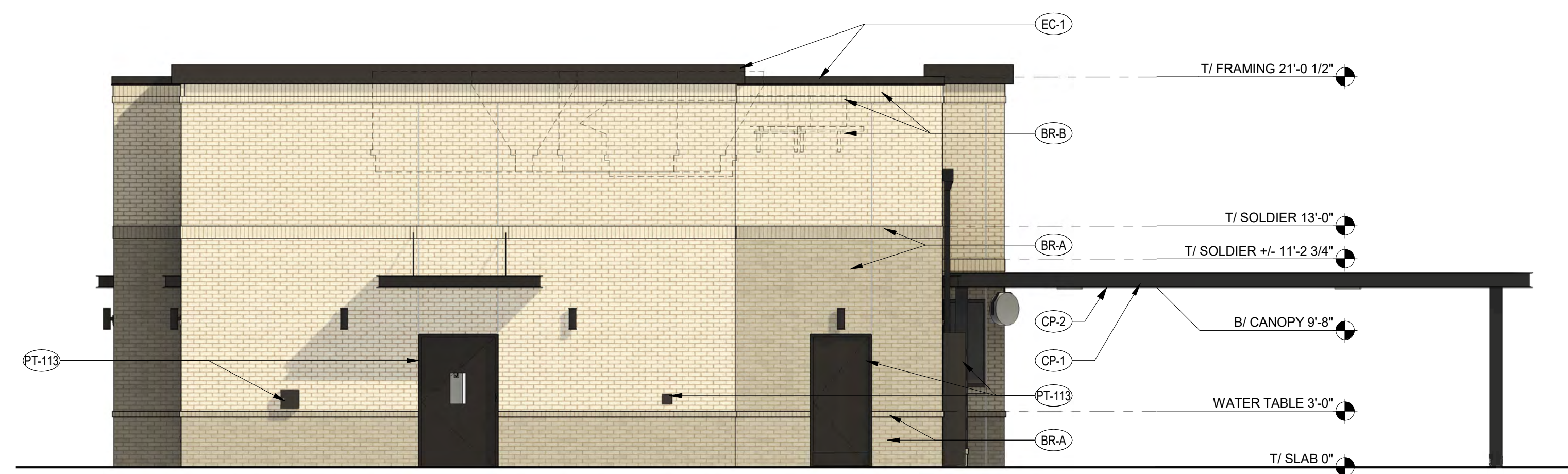
A-303

CASE No. 1891-Z



D3 NORTH ELEVATION
 3/16" = 1'-0"

TOTAL FACADE - 978 SF
 BR-A - 281.6 SF 48.9%
 BR-B - 543.4 SF 43.0%
 ST-1 / DOORS - 153 SF 08.1%



B3 SOUTH ELEVATION
 3/16" = 1'-0"

TOTAL FACADE - 978 SF
 BR-A - 271.5 SF 27.8%
 BR-B - 640.5 SF 65.5%
 ST-1 / DOORS - 66 SF 06.7%

FINISH SCHEDULE - EXTERIOR

MARK	DESCRIPTION	MANUFACTURER	MODEL NAME	MODEL NUMBER	COLOR	NOTE
BR-A	BRICK VENEER (PRIMARY)	ACME BRICK	MODULAR		PALOMA GRAY	MORTAR: ARGOS SAN TAN
BR-B	BRICK VENEER (ACCENT)	ACME BRICK	MODULAR		RUSTIC WHITE	MORTAR: ARGOS SAN TAN
CP-1	CANOPY METAL FASCIA		DURA COAT	DC19ST-2703	DARK BRONZE	OIL RUBBED BRONZE METALLIC TEXTURE PVD
CP-2	CANOPY METAL DECK				WHITE	SMOOTH WHITE, HIGH GLOSS
EC-1	PARAPET WALL COPING	DUROLAST / EXCEPTIONAL METALS			MIDNIGHT BRONZE	
PT-100	EXTERIOR PAINT	SHERWIN WILLIAMS	SHER-CRYL HIGH PERFORMANCE ACRYLIC #B66-350	SW 2807	ROOKWOOD	REFUSE ENCLOSURE. FINISH: SEMI-GLOSS ON DOOR FRAMES, SATIN ON WALLS
PT-110	EXTERIOR PAINT	SHERWIN WILLIAMS	SHER-CRYL HIGH PERFORMANCE ACRYLIC #B66-350	SW-9097	SOFT FAWN	REFUSE ENCLOSURE. FINISH: SEMI-GLOSS ON DOOR FRAMES, SATIN ON WALLS
PT-113	EXTERIOR PAINT	SHERWIN WILLIAMS	SHER-CRYL HIGH PERFORMANCE ACRYLIC #B66-350	SW BRONZETONE	DARK BRONZE	FINISH: SEMI-GLOSS
ST-1	STOREFRONT	YKK	YES 45		DARK BRONZE (MATTE)	

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FACADE PLAN

CASE NO. 1891-Z
 CONCEPT PLAN
 CHICK-FIL-A ADDISON 05521
 LOT 2, BLOCK D
 ADDISON TOWN CENTER
 3790 BELTLINE RD.
 ADDISON, TX 75001
 BEING A PORTION OF 1.769 ACRES
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ARCHITECT

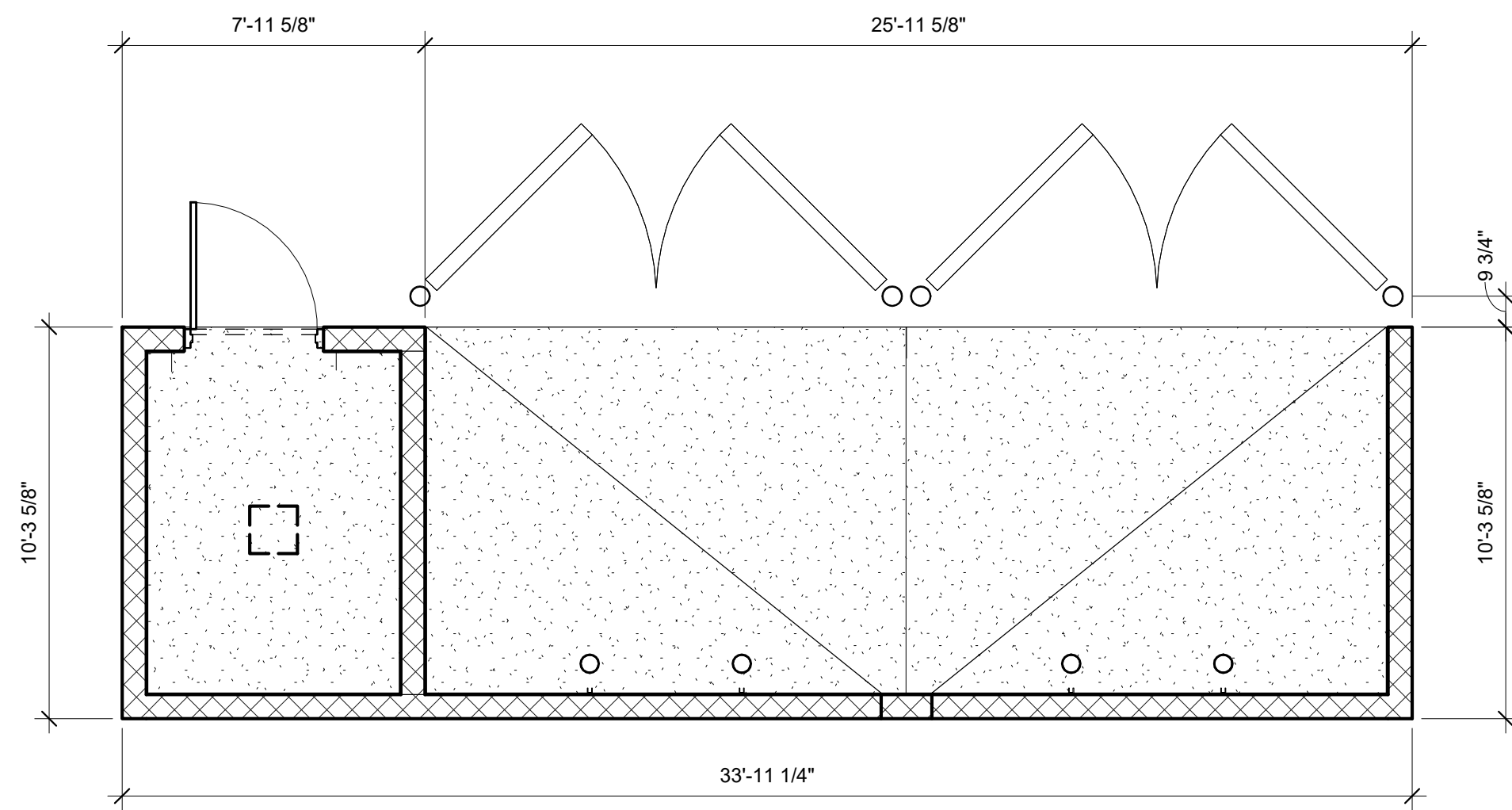
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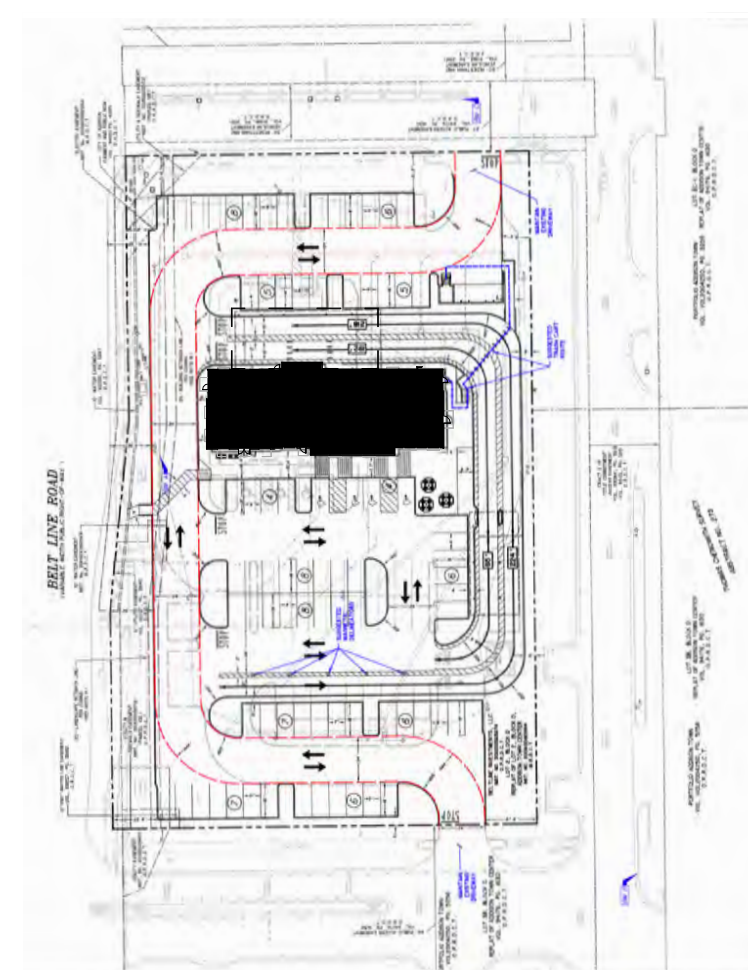
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 404.765.8000
 CONTACT: GETRA SANDERS

8/30/2023 9:30:48 AM Autodesk Docs://TX_05521_Addison FSU_2023.6_FSR05521_Addison FSU_ARC.rvt 974LS-05521-A-303-EXTERIOR ELEVATIONS

8/30/2023 9:31:43 AM Autodesk Docs://TX_05521_Addison FSU_2023.6_FSR05521_Addison FSU_ARC.rvt 974LS-05521-A-304-REFUSE ENCLOSURE



D4 REFUSE ENCLOSURE PLAN
1/4" = 1'-0"



SITE KEY
N.T.S.



FINISH SCHEDULE - EXTERIOR

MARK	DESCRIPTION	MANUFACTURER	MODEL NAME	MODEL NUMBER	COLOR	NOTE
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BR-B	BRICK VENEER (ACCENT)	ACME BRICK	MODULAR		RUSTIC WHITE	MORTAR: ARGOS SAN TAN
CP-1	CANOPY METAL FASCIA		DURA COAT	DC19ST-2703	DARK BRONZE	OIL RUBBED BRONZE METALLIC TEXTURE PVD
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FACADE PLAN

CASE NO. 1891-Z
CONCEPT PLAN
CHICK-FIL-A ADDISON 05521
LOT 2, BLOCK D
ADDISON TOWN CENTER
3790 BELTLINE RD.
ADDISON, TX 75001
BEING A PORTION OF 1.769 ACRES
OF LAND LOCATED IN THE
THOMAS L. CHENOWETH SURVEY,
ABSTRACT NO. 273
TOWN OF ADDISON, DALLAS COUNTY, TEXAS
DATE: 07.10.2023

ARCHITECT

MAYSE & ASSOCIATES, INC.
14881 QUORUM DR., SUITE 800
DALLAS, TX 75254
972.386.0338
CONTACT: BRYCE NICHOLS
bnichols@mayseassociates.com

OWNER & APPLICANT

CHICK-FIL-A, INC.
5200 BUFFINGTON RD.
ATLANTA, GA 30349
404.765.8000
CONTACT: GETRA SANDERS

CONSULTANT PROJECT # 23084

DATE 8/30/2023 9:31:43 AM

DRAWN BY Author

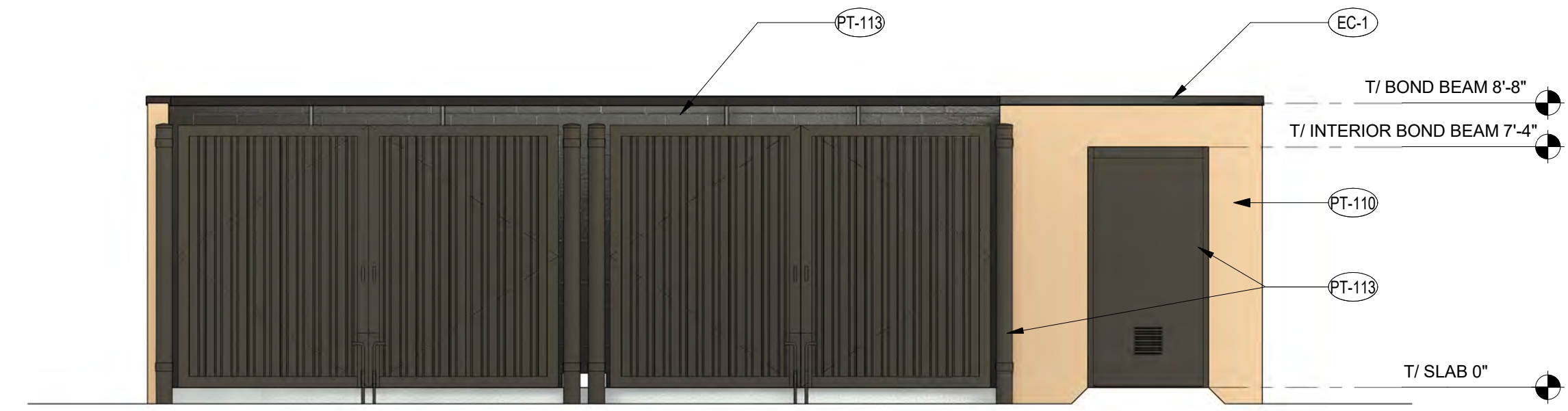
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SHEET REFUSE ENCLOSURE

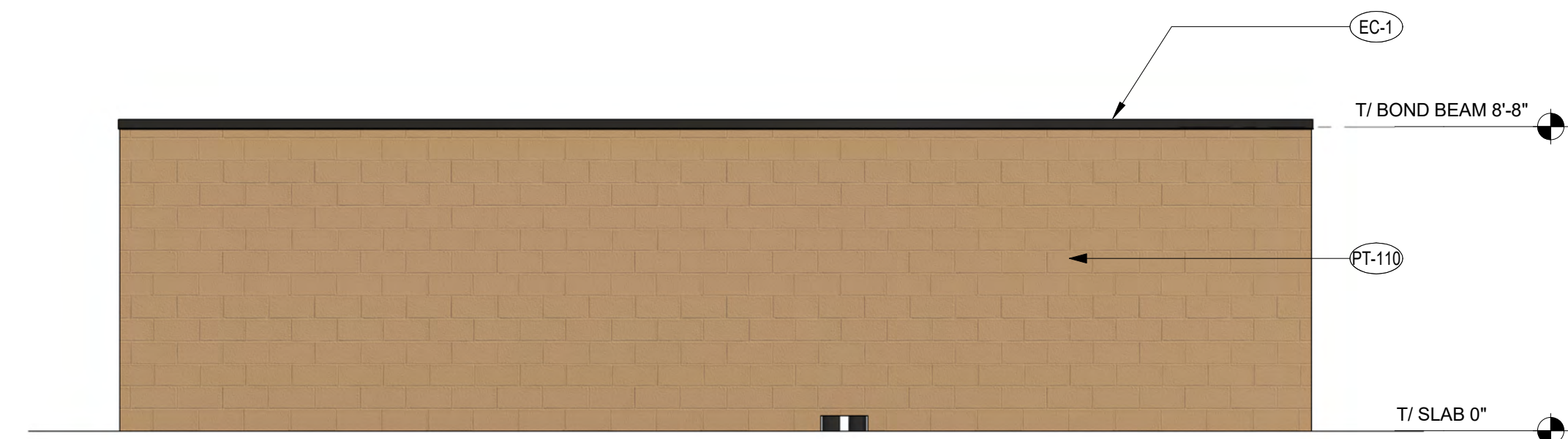
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A-304

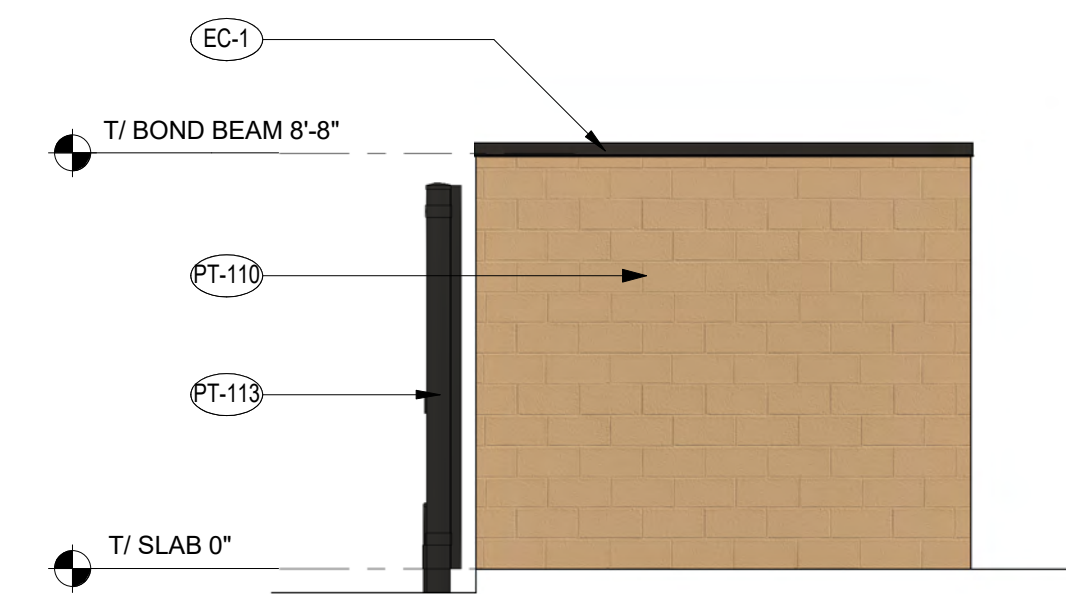
CASE No. 1891-Z



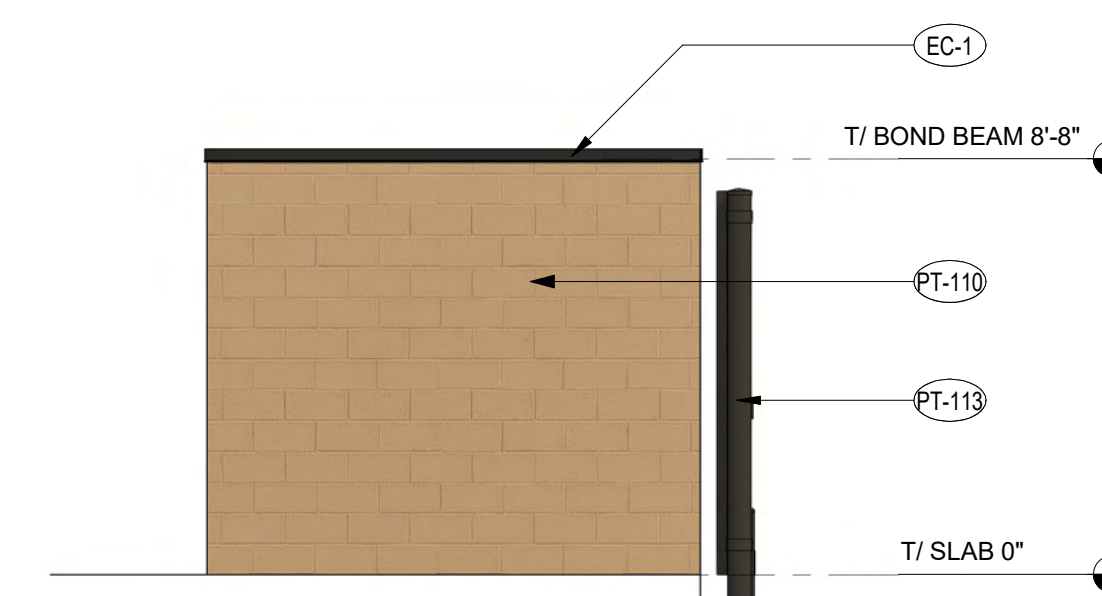
E2 EAST ELEVATION
1/4" = 1'-0"



D2 WEST ELEVATION
1/4" = 1'-0"



C2 NORTH ELEVATION
1/4" = 1'-0"



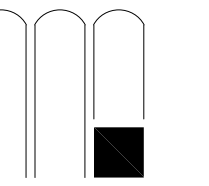
B2 SOUTH ELEVATION
1/4" = 1'-0"



Chick-fil-A

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

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14881 Quorum Dr. Suite 800
Dallas, Texas 75254
Phone: (972) 386-0338 Fax: (972) 386-0578
www.MayseAssociates.com

8/30/2023 9:31:43 AM

CHICK-FIL-A
Addison FSU

3790 Belt Line Rd
Addison, TX 75001

FSR#05521

BUILDING TYPE / SIZE: P14 LS BN
RELEASE: 23.05

PRINTED FOR

MUNICIPAL REVIEW

REVISION SCHEDULE

NO. DATE DESCRIPTION

CONSULTANT PROJECT # 23084

DATE 8/30/2023 9:31:43 AM

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SHEET REFUSE ENCLOSURE

SHEET NUMBER

A-304

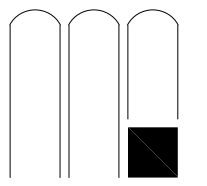
CASE No. 1891-Z



Chick-fil-A

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8/30/2023 9:29:54 AM

CHICK-FIL-A

Addison FSU

3790 Belt Line Rd
Addison, TX 75001

FSR#05521

BUILDING TYPE / SIZE: P14 LS BN
RELEASE: 23.05
PRINTED FOR

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REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT # 23084

DATE 8/30/2023 9:29:54 AM

DRAWN BY Author

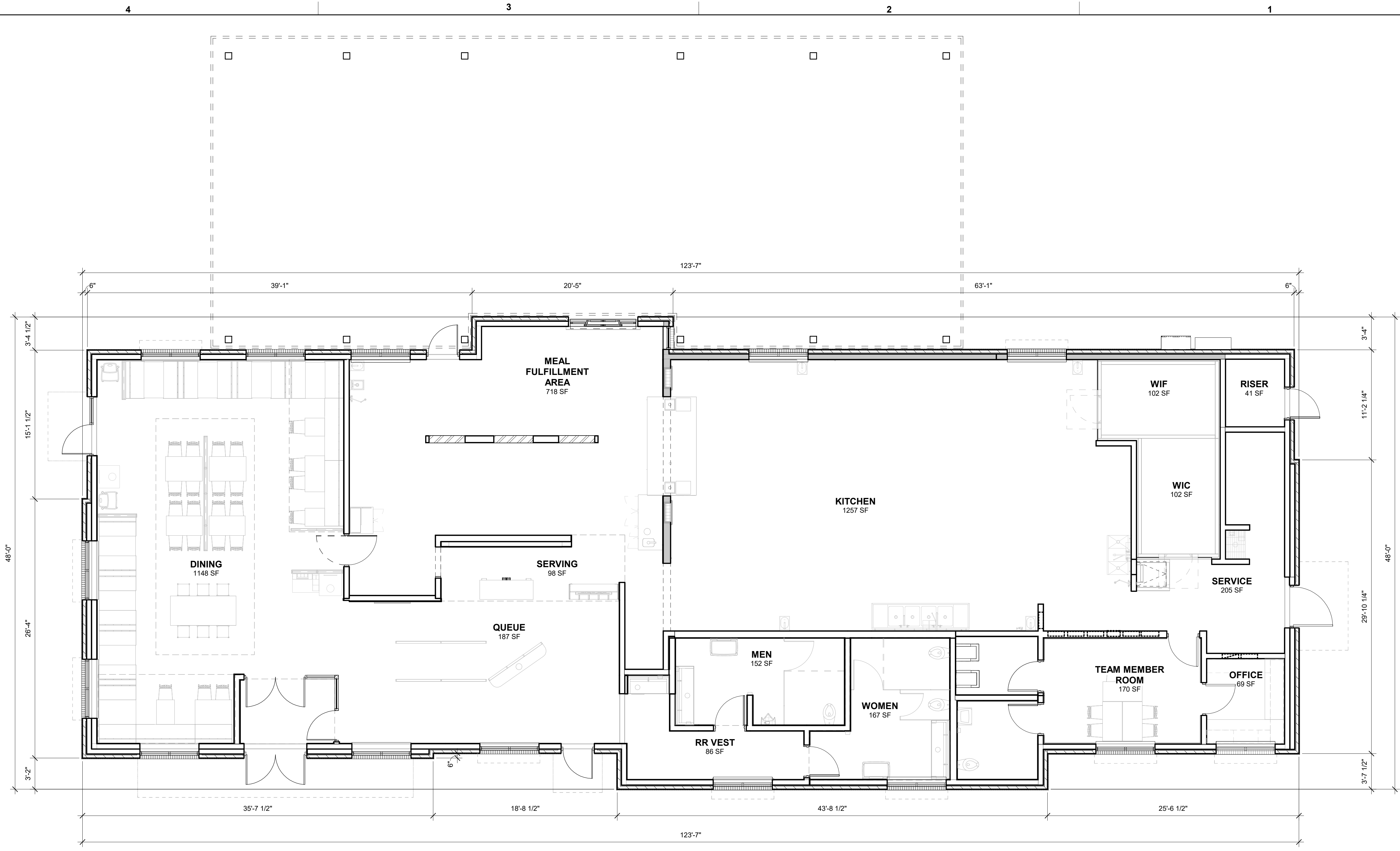
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SHEET FLOOR PLAN

SHEET NUMBER

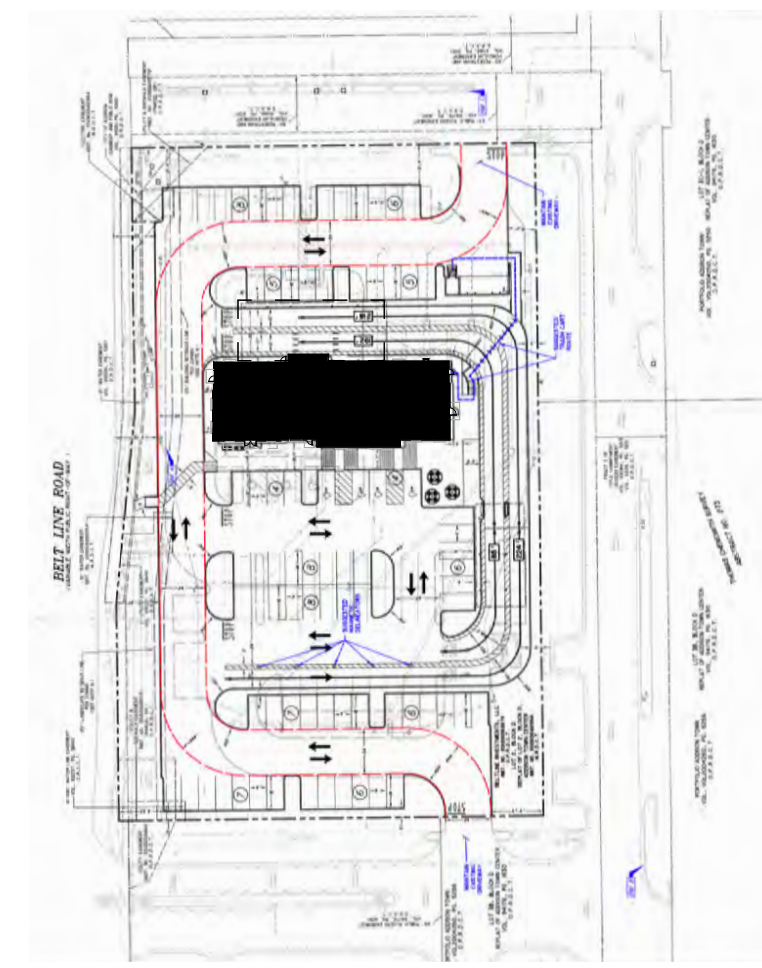
A-202

CASE No. 1891-Z

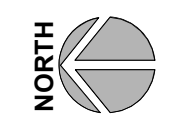


BUILDING - 4927 SF GROSS

B4 FLOOR PLAN
3/16" = 1'-0"



SITE KEY
N.T.S.



FACADE PLAN NOTES

- This Facade Plan is for conceptual purposes only. All building plans require review and approval by Development Services.
- All mechanical units shall be screened from public view as required by the Zoning Ordinance.
- When permitted, exposed utility boxes and conduit shall be painted to match the building.
- All signage areas and locations are subject to approval by Development Services.
- Roof access shall be provided internally, unless otherwise permitted by the Chief Building Official.

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8/30/2023 9:29:54 AM Autodesk Docs://TX_05521_Addison FSU_2023.6_FSR05521_Addison FSU_ARC.rvt 974LS-05521-A-202-FLOOR PLAN