

# AGENDA



ARCHITECTURAL REVIEW BOARD MEETING  
CITY HALL, 385 SOUTH GOLIAD STREET, ROCKWALL, TEXAS  
SEPTEMBER 30, 2025 IN THE CITY COUNCIL CONFERENCE ROOM AT 5:00 PM

NOTES ABOUT PUBLIC PARTICIPATION = *RED*

(I) CALL TO ORDER

(II) OPEN FORUM

*This is a time for anyone to address the Architectural Review Board (ARB) on any topic. Per the policies of the City of Rockwall, public comments are limited to three (3) minutes out of respect for the time of other citizens. On topics raised during the OPEN FORUM, please know that the Architectural Review Board (ARB) is not permitted to respond to your comments during the meeting per the Texas Open Meetings Act.*

(III) ACTION AGENDA

(1) **SP2025-032 (HENRY LEE)**

Discuss and consider a request by Hooman Sedaghat of Buildeng, LLC on behalf of Salvador Salcedo for the approval of a Site Plan for an Office/Warehouse Building on a 0.45-acre parcel of land identified as Lot 10, Block A, Municipal Industrial Park Addition, City of Rockwall, Rockwall County, Texas, being zoned Light Industrial (LI) District, addressed as 855 Whitmore Drive, and take any action necessary.

(2) **SP2025-033 (BETHANY ROSS)**

Discuss and consider a request by Dub Douphrate of Douphrate & Associates, Inc. on behalf of Kim Timpa for the approval of a Site Plan for an Office Building on a 1.1308-acre parcel of land identified as Lot 1, Block B, Jack Canup Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 62 (PD-62) for General Retail (GR) District land uses, addressed as 906 S. Goliad Street [SH-205], and take any action necessary.

(3) **SP2025-039 (HENRY LEE)**

Discuss and consider a request by Keaton Mai of the Dimension Group on behalf of Michael Hampton of Creekside Commons Crossing LP for the approval of a Site Plan for an Restaurant with 2,000 SF or More with Drive-Through on a 0.936-acre parcel of land identified as a portion of Lot 18, Block A, Creekside Commons Addition, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, generally located east of the intersection of S. Goliad Street [SH-205] and FM-549, and take any action necessary.

(IV) ADJOURNMENT

The City of Rockwall Planning and Zoning Commission reserves the right to adjourn into executive session at any time to discuss any matters listed on the agenda above, as authorized by Texas Government Code §551.071 (Consultation with City Attorney).

This facility is wheelchair accessible and accessible parking spaces are available. Request for accommodations or interpretive services must be made 48 hours prior to this meeting. Please contact the City Secretary's Office at (972) 772-6406 for further information.

I, Melanie Zavala, Planning and Zoning Coordinator for the City of Rockwall, Texas, do hereby certify that this Agenda was posted at City Hall, in a place readily accessible to the general public at all times, on September 24, 2025 prior to 5:00 PM, and remained so posted for at least 72 continuous hours preceding the scheduled time of said meeting.



# CITY OF ROCKWALL

## PLANNING AND ZONING COMMISSION CASE MEMO

### PLANNING AND ZONING DEPARTMENT

385 S. GOLIAD STREET • ROCKWALL, TX 75087

PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

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**TO:** Planning and Zoning Commission  
**DATE:** September 30, 2025  
**APPLICANT:** Hooman Sedaghat; *Buildeng, LLC*  
**CASE NUMBER:** SP2025-032; *Site Plan for 855 Whitmore Drive*

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### SUMMARY

Discuss and consider a request by Hooman Sedaghat of Buildeng, LLC on behalf of Salvador Salcedo for the approval of a Site Plan for an *Office/Warehouse Building* on a 0.45-acre parcel of land identified as Lot 10, Block A, Municipal Industrial Park Addition, City of Rockwall, Rockwall County, Texas, being zoned Light Industrial (LI) District, addressed as 855 Whitmore Drive, and take any action necessary.

### BACKGROUND

The subject property was annexed into the City of Rockwall on June 20, 1959 by *Ordinance No. 59-02 [Case No. A1959-002]*. According to the January 3, 1972 zoning map the subject property was zoned Light Industrial (LI) District, which remains the zoning designation of the subject property today. In March of 1978, the subject property was platted establishing it as Lot 1, Block A, Municipal Industrial Park Addition. On March 19, 2007, the City Council approved a replat [*Case No. P2007-008*] that establish the subject property as Lot 8, Block A, Municipal Industrial Park Addition. On May 2, 2016, the City Council approved an additional replat [*Case No. P2016-017*] that establish the subject property as Lot 10, Block A, Municipal Industrial Park Addition. On November 14, 2023, the Planning and Zoning Commission denied a site plan request [*Case No. SP2023-032*] for an *Office/Warehouse Building* due to a recommendation of denial from the Architectural Review Board (ARB) and the failure to provide compensatory measures. On March 15, 2024 the applicant submitted a site plan request [*Case No. SP2024-006*] for a similar request, which was ultimately withdrawn on May 9, 2024. Following this withdraw, the applicant submitted a subsequent site plan request [*Case No. SP2024-032*] on June 14, 2024. On July 9, 2024, the Planning and Zoning Commission denied the site plan request due to the requested exception to the *Off-Street Loading Dock* screening requirements. The subject property has remained vacant since the time of annexation.

### PURPOSE

On July 18, 2025, the applicant -- *Hooman Sedaghat of Buildeng, LLC* -- submitted an application requesting the approval of a Site Plan for the purpose of constructing an *Office/Warehouse Building* on the subject property.

### ADJACENT LAND USES AND ACCESS

The subject property is addressed as 855 Whitmore Drive. The land uses adjacent to the subject property are as follows:

North: Directly north of the subject property is a vacant 1.747-acre tract of land (*i.e. Tract 24 of the R. Ballard Survey, Abstract No. 29*) zoned Light Industrial (LI) District. Beyond this is a vacant 1.83-acre tract of land (*i.e. Tract 14 of the R. Ballard Survey, Abstract No. 29*) zoned Light Industrial (LI) District. Following this is a 100-foot right-of-way owned by the *Union Pacific/Dallas Garland NE Railroad*. North of this is Phase 3 of the Park Place Subdivision, which consists of 85 residential lots and is zoned Planned Development District 59 (PD-59) for Single-Family 7 (SF-7) District land uses.

South: Directly south of the subject property is Whitmore Drive, which is identified as a R2 (*i.e. residential, two [2] lane, undivided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this is a vacant 15.7017-acre tract of land (*i.e. Tract 20-1 of the A. Hanna Survey,*

Abstract No. 99) zoned Light Industrial (LI) District. Following this is Justin Road, which is identified as a A4D (i.e. major arterial, four [4] lane, divided roadway) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan.

East: Directly east of the subject property is a vacant 0.96-acre parcel of land (i.e. Lot 11, Block A, Municipal Industrial Park Addition) zoned Light Industrial (LI) District. Beyond this is a 3.35-acre parcel of land (i.e. Lot 5, Block A, Municipal Industrial Park Addition) developed with a maintenance building for Rockwall County that is zoned Light Industrial (LI) District. Following this is Whitmore Drive, which is identified as a R2 (i.e. residential, two [2] lane, undivided roadway) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan.

West: Directly west of the subject property is a 1.19-acre parcel of land (i.e. Lot 9, Block A, Municipal Industrial Park Addition) developed with a Bail Bond Service that is zoned Light Industrial (LI) District. Beyond this is T. L. Townsend Drive, which is identified as a A4D (i.e. major arterial, four [4] lane, divided roadway) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Following this is a 13.368-acre parcel of land (i.e. Lot 2, Block A, Rockwall County Law Enforcement Center Addition) developed with the Rockwall County Detention Center, which is zoned Commercial (C) District and Light Industrial (LI) District.

**DENSITY AND DIMENSIONAL REQUIREMENTS**

According to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC), an *Office/Warehouse Building* is a permitted *by-right* land use in a Light Industrial (LI) District. The submitted site plan, landscape plan, treescape plan, photometric plan, and building elevations generally conform to the technical requirements contained within the Unified Development Code (UDC) for a property located within a Light Industrial (LI) District with the exception of the items noted in the *Variances and Exceptions Requested by the Applicant* section of this case memo. A summary of the density and dimensional requirements for the subject property are as follows:

| <i>Ordinance Provisions</i>             | <i>Zoning District Standards</i>   | <i>Conformance to the Standards</i> |
|---|--|-------------------------------------|
| <i>Minimum Lot Area</i>                 | 12,500 SF  | X=19,737 SF; In Conformance         |
| <i>Minimum Lot Frontage</i>             | 100-Feet   | X= 120.95-feet; In Conformance      |
| <i>Minimum Lot Depth</i>                | 125-Feet   | X=160-feet; In Conformance          |
| <i>Minimum Front Yard Setback</i>       | 25-Feet  | X>25-feet; In Conformance           |
| <i>Minimum Rear Yard Setback</i>        | 10-Feet  | X>10-feet; In Conformance           |
| <i>Minimum Side Yard Setback</i>        | 15-Feet  | X>15-feet; In Conformance           |
| <i>Maximum Building Height</i>          | 60-Feet  | X=28.1-feet; In Conformance         |
| <i>Max Building/Lot Coverage</i>        | 60%  | X=25.27%; In Conformance            |
|   | 1 Parking Space/300 SF (Office)  |                                     |
| <i>Minimum Number of Parking Spaces</i> | 1 Parking Space/500 SF (Light Manufacturing)<br>Total: 11 Parking Spaces | X=11; In Conformance                |
| <i>Minimum Landscaping Percentage</i>   | 15%  | X=44%; In Conformance               |
| <i>Maximum Impervious Coverage</i>      | 90-95%   | X=56%; In Conformance               |

**TREESCAPE PLAN**

The treescape plan provided by the applicant indicates a total of 40 caliper inches will be removed from the site during construction. Based on the landscape requirements, the applicant is providing 112 caliper inches of canopy trees on site, which will satisfy the required tree mitigation.

**CONFORMANCE WITH THE CITY’S CODES**

The applicant is requesting to construct an *Office/Warehouse Building* on the subject property. According to Subsection 02.02(J)(7), *Wholesale, Distribution and Storage Land Uses*, of Article 13, *Definitions*, of the Unified Development Code (UDC), a *Warehouse/Distribution Center* is defined as a "... building used primarily for the storage and distribution of goods, merchandise, supplies, and equipment including wholesalers which display, sell, and distribute merchandise to business representatives for resale ..." In addition, Subsection 02.02(D)(2), *Office and Professional Uses*, of Article 13, *Definitions*, of

the Unified Development Code (UDC), an *Office Building* is defined as a “...(a) facility that provides executive, management, administrative, or professional services ... but not involving the sale of merchandise except as incidental to a permitted use...” In this case, the applicant’s request for an *Office/Warehouse Building* is permitted by right according to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC).

According to Subsection 05.01, *Landscape Buffers*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), “(a) minimum of a ten (10) foot wide landscape buffer shall be required along the entire length of any non-residential lot that abuts a public right-of-way ...” and all buffers shall incorporate a berm, and one (1) canopy tree and one (1) accent tree per 50-linear feet of frontage. In this case, the applicant is incorporating the required shrubs and berm; however, they are not providing the required canopy and accent trees. Given this, staff has included a condition of approval that requires the applicant to provide a landscape plan to staff that conforms to the landscape buffer requirements prior to the acceptance of civil engineering plans.

The proposed site plan also generally conforms to the requirements of the *General Industrial District Standards* as stipulated by Article 05, *District Development Standards*, of the Unified Development Code (UDC), with the exception of the exceptions being requested as outlined in the *Variations and Exceptions Requested by the Applicant* section of this case memo.

### **VARIANCES AND EXCEPTIONS BY THE APPLICANT**

As stated above, the applicant’s request conforms to the majority of the City’s codes; however, staff has identified the following exceptions:

- (1) Off-Street Loading Docks. According to Subsection 1.05, *Screening Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), “(o)ff-street loading docks must be screened from all public streets, any residential zoning district or residentially used property, and any parks and open space that abuts or is directly across a public street or alley from the subject property. The screening must be at least six (6) feet in height and shall be provided by using a masonry wall (*excluding tilt wall or concrete masonry units [CMU] unless integral to the buildings design and otherwise approved by the Planning and Zoning Commission*) and Canopy Trees on 20-foot centers.” In this case, the proposed building elevations indicate two (2) loading docks facing directly onto Whitmore Drive. In addition, the applicant has not proposed any screening methods. This will require an exception from the Planning and Zoning Commission.
- (2) Articulation. According to Subsection 01.05, *General Industrial District Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), all industrial buildings shall meet the primary and secondary articulation requirements outlined in Figure 13, *Industrial Building Articulation Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC). In this case, the primary façade facing onto Whitmore Drive, does not meet the primary articulation standards. This will require and exception from the Planning and Zoning Commission.

According to Subsection 09, *Exceptions and Variances*, of Article 11, *Development Applications and Review Procedures*, of the Unified Development Code (UDC), an applicant may request the Planning and Zoning Commission grant variances and exceptions to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code would create an undue hardship. In addition, the code requires that the applicant provide compensatory measures that directly offset the requested variances and exceptions. At this time the applicant is not proposing any compensatory measures. Staff should note that the previous submittal was denied due to the requested off-street loading dock screening exception that also did not have compensatory measures. In addition, in the previous case has one (1) bay door facing the street and one (1) bay door on the side. In this case, both bay doors now face the street. That being said, requests for exceptions and variances to the *General Standards* and *Engineering Standards of Design and Construction* are discretionary decisions for the Planning and Zoning Commission. Staff should note that a supermajority vote (*e.g. six [6] out of the seven [7] commissioners*) -- *with a minimum of four (4) votes in the affirmative* -- is required for the approval of a variance or exception.

## **CONFORMANCE WITH OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN**

The Future Land Use Plan adopted with the OURHometown Vision 2040 Comprehensive Plan identifies the subject property as being situated in the Central District. The Central District "...is composed of a wide range of land uses that vary from single-family to industrial." The Future Land Use Map contained in the OURHometown Vision 2040 Comprehensive Plan, indicates that the subject property should be developed with industrial land uses. In this case, the applicant is proposing an *Office/Warehouse Building*. Based on this, the applicant's land use appears to conform with the Comprehensive Plan; however, Chapter 09, *Non-Residential*, of the OURHometown Vision 2040 Comprehensive Plan states that staff should "... encourage high quality and inspiring architecture throughout the City..." The OURHometown Vision 2040 Comprehensive Plan goes on to state that "(l)ong, blank wall facades on all nonresidential buildings should be subdivided with vertical breaks - - or 'articulated' in architectural terms --, and architectural elements should be incorporated to reflect a scale and rhythm that is more traditional of a small-town." In this case, the applicant is requesting exceptions to building articulation and off-street loading dock screening requirements and has failed to provide any relief to the proposed building. The lack of design appears to conflict with the goals for non-residential buildings contained in the Comprehensive Plan. Based on this the applicant's proposal does not appear to meet the vision of the Comprehensive Plan.

## **ARCHITECTURAL REVIEW BOARD (ARB) RECOMMENDATION**

On July 29, 2025, the Architectural Review Board (ARB) reviewed the proposed building elevations and made the recommendations that the bay doors be moved to the side or rear of the building, and to include additional store front glass on the front of the building. The applicant has not incorporated the requested changes. The Architectural Review Board (ARB) will review the updated building elevations prior to the September 30, 2025 and provide a recommendation to the Planning and Zoning Commission.

## **CONDITIONS OF APPROVAL**

If the Planning and Zoning Commission chooses to approve the applicant's Site Plan for the construction of an *Office/Warehouse Building* on the *subject property*, then staff would propose the following conditions of approval:

- (1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans; and,
- (2) A *Landscape Plan* conforming to the landscape buffer requirements shall be submitted and approved by staff prior to the acceptance of civil engineering plans; and,
- (3) Any construction resulting from the approval of this Site Plan shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.



# DEVELOPMENT APPLICATION

City of Rockwall  
Planning and Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087

STAFF USE ONLY

PLANNING & ZONING CASE NO. \_\_\_\_\_

**NOTE:** THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST [SELECT ONLY ONE BOX]:

### PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE)<sup>1</sup>
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE)<sup>1</sup>
- FINAL PLAT (\$300.00 + \$20.00 ACRE)<sup>1</sup>
- REPLAT (\$300.00 + \$20.00 ACRE)<sup>1</sup>
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

### SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE)<sup>1</sup>
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

### ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE)<sup>1</sup>
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE)<sup>1 & 2</sup>
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE)<sup>1</sup>

### OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00)<sup>2</sup>

#### NOTES:

<sup>1</sup>: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.  
<sup>2</sup>: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

## PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS: 855 E Whitmore Dr

SUBDIVISION: Municipal Ind Park LOT: 10 BLOCK: A

GENERAL LOCATION: \_\_\_\_\_

## ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING: light Industrial CURRENT USE: \_\_\_\_\_

PROPOSED ZONING: light Industrial PROPOSED USE: \_\_\_\_\_

ACREAGE: 0.45 acres LOTS [CURRENT]: 0.45 acres LOTS [PROPOSED]: 0.45 acres

**SITE PLANS AND PLATS:** BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

## OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

|                                |                          |                                    |                                    |
|--------------------------------|--------------------------|------------------------------------|------------------------------------|
| <input type="checkbox"/> OWNER | <u>Salvador Salcedo</u>  | <input type="checkbox"/> APPLICANT | <u>Buildeng LLC</u>                |
| CONTACT PERSON                 | <u>Salvador Salcedo</u>  | CONTACT PERSON                     | <u>Hoorman Sedaghat</u>            |
| ADDRESS                        | <u>210 Cedar Tree Ln</u> | ADDRESS                            | <u>6363 San Felipe St unit 460</u> |
| CITY, STATE & ZIP              | _____                    | CITY, STATE & ZIP                  | <u>Houston, Tx 77057</u>           |
| PHONE                          | _____                    | PHONE                              | _____                              |
| E-MAIL                         | _____                    | E-MAIL                             | _____                              |

## NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED Salvador Salcedo [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ \_\_\_\_\_ TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_. BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION.

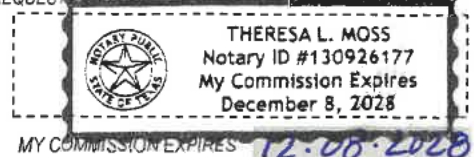
GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 13 DAY OF June, 2025

OWNER'S SIGNATURE

[Signature]

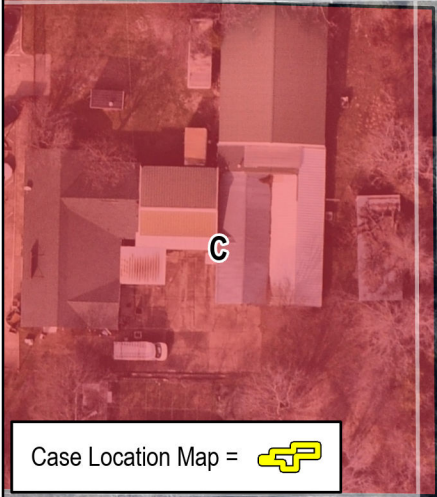
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

[Signature]



0 25 50 100 150 200 Feet

SP2025-031: Site Plan for 855 Whitmore Drive



Case Location Map = 



# City of Rockwall

Planning & Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087  
(P): (972) 771-7745  
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.



- GENERAL ITEMS:**
- MUST MEET CITY 2023 STANDARDS OF DESIGN AND CONSTRUCTION
  - 4% ENGINEERING INSPECTION FEES
  - IMPACT FEES (WATER, SEWER, ROADWAY).
  - MINIMUM EASEMENT WIDTH IS 20' FOR NEW EASEMENTS. NO STRUCTURES, INCLUDING WALLS, ALLOWED IN EASEMENTS.
  - RETAINING WALLS 3' AND OVER MUST BE ENGINEERED.
  - ALL RETAINING WALLS (18" OR TALLER) MUST BE ROCK OR STONE FACE. NO SMOOTH CONCRETE WALLS.
  - NO SIGNAGE IS ALLOWED WITHIN EASEMENTS OR ROW.
  - TREE MITIGATION WILL BE REQUIRED FOR THE REMOVAL OF ANY EXISTING TREES ON SITE.
  - NO STRUCTURES OR FENCES WITH EASEMENTS.
  - THE SITE WILL NEED TO BE PLATTED.
  - ALL UTILITIES MUST BE UNDERGROUND.
  - ADDITIONAL COMMENTS MAY BE PROVIDED AT THE TIME OF ENGINEERING REVIEW.

- DRAINAGE ITEMS:**
- THE SITE HAS BEEN DETAINED FOR IN A REGIONAL DETENTION POND. MUST VERIFY CAPACITY/VOLUME AND OUTFALL.
  - EXISTING FLOW PATTERNS MUST BE MAINTAINED.
  - 4:1 MAXIMUM SIDE SLOPES.
  - NO GRATE INLETS ALLOWED.
  - DUMPSTER AREAS TO DRAIN TO OIL/WATER SEPARATOR AND THEN TO THE STORM LINES.
  - THE PROPERTY OWNER WILL BE RESPONSIBLE FOR MAINTAINING, REPAIR, AND REPLACEMENT OF THE DRAINAGE SYSTEMS.

- WATER AND WASTEWATER ITEMS:**
- PUBLIC SEWER TO BE 8" MINIMUM.
  - COMMERCIAL SANITARY SEWER SERVICE LINE SIZE IS MINIMUM 6" AND MUST CONNECT TO AN EXISTING OR PROPOSED MANHOLE.
  - ANY PUBLIC WATER LINES MUST BE A MINIMUM OF 8", LOOPED, AND MUST BE CENTERED WITHIN A 20' WIDE EASEMENT.
  - ANY UTILITY CONNECTION MADE UNDERNEATH OF AN EXISTING PUBLIC ROADWAY MUST BE COMPLETED BY DRY BORE. OPENING CUTTING WILL NOT BE ALLOWED.
  - ONLY ONE "USE" OFF A DEAD-END LINE (DOMESTIC, IRRIGATION, FIRE SPRINKLER, FIRE HYDRANT, ETC.).
  - MIN 20' UTILITY EASEMENTS.
  - WATER TO BE 10' SEPARATED FROM STORM AND SEWER LINES.
  - ALL PUBLIC UTILITIES MUST BE CENTERED IN EASEMENT.

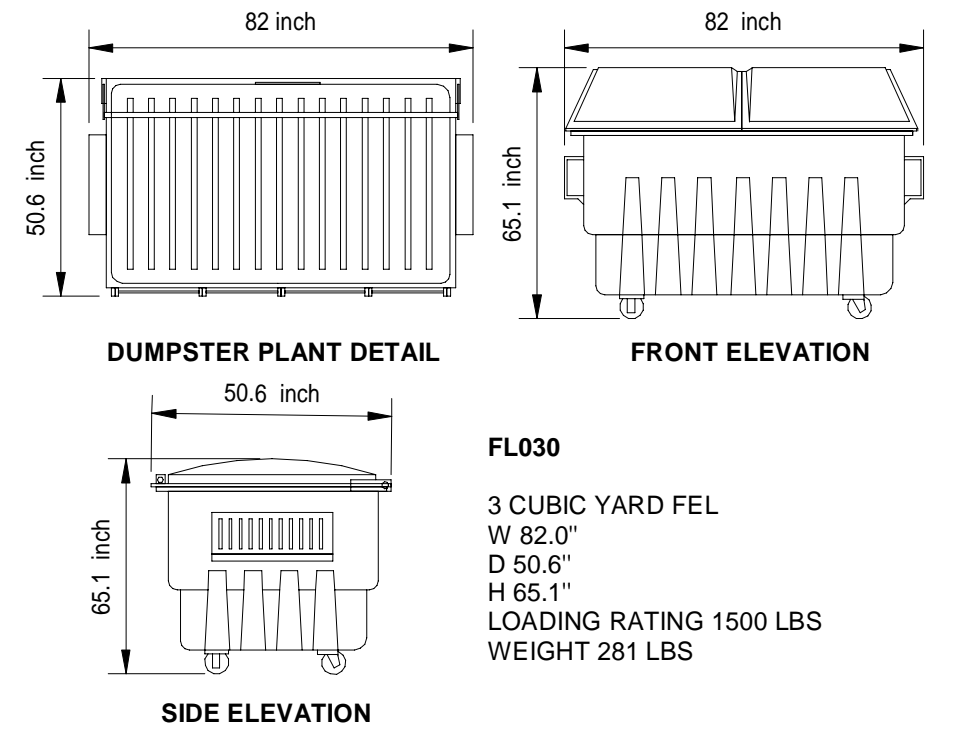
- ROADWAY PAVING ITEMS:**
- MUST MEET CITY DRIVEWAY SPACING REQUIREMENTS.
  - ALL PARKING, STORAGE, DRIVE AISLES MUST BE REINFORCED CONCRETE. (NO ROCK, GRAVEL, OR ASPHALT ALLOWED).
  - ALL PARKING TO BE 20'X9' MINIMUM. PARKING MAY NOT BE OFF A PUBLIC ROADWAY.
  - VEHICLE MUST NOT BE REQUIRED TO BACK ONTO A PUBLIC ROADWAY, INCLUDING TRASH TRUCKS.
  - NO DEAD-END PARKING ALLOWED WITHOUT AN CITY APPROVED TURNAROUND.
  - DRIVE ISLES TO BE 24' WIDE.
  - FIRE LANE TO BE 24' WIDE AND IN A PLATTED EASEMENT.
  - FIRE LANE TO HAVE 20' MIN RADIUS IF BUILDINGS ARE LESS THAN 30' TALL. IF ANY OF THE BUILDINGS ARE 30' OR MORE, THE FIRE LANE WILL BE 30' RADIUS MINIMUM.
  - PAVEMENT SPECS WILL BE REVIEWED WITH ENGINEERING PLANS.

- LANDSCAPING:**
- NO TREES TO BE WITH 10' OF ANY PUBLIC WATER, SEWER OR STORM LINE THAT IS 10" IN DIAMETER OR LARGER.
  - NO TREES TO BE WITH 5' OF ANY PUBLIC WATER, SEWER, OR STORM LINE THAT IS LESS THAN 10".

| PARKING REQUIREMENT SCHEDULE                   |  |
|--|--|
| INDUSTRIAL AND MANUFACTURING LAND USES (LI)    |  |
| LAND USE                                       | MINIMUM PARKING REQUIRED                 |
| Apparel Manufacturing                          | 1/200 SF                                 |
| Asphalt or Concrete Batch Plant                | As Determined by the Director            |
| Industrial and Manufacturing Other Than Listed | As Determined by the Director            |
| Light Assembly and Fabrication                 | 1/500 SF or 0.75/Employee <sup>1,3</sup> |
| Heavy Manufacturing                            | 1/500 SF or 0.75/Employee <sup>1,3</sup> |
| Printing, Engraving, and Related Businesses    | 1/300 SF or 1/Employee <sup>1</sup>      |
| Welding Repair                                 | 1/500 SF or 1/2 Employees <sup>1</sup>   |

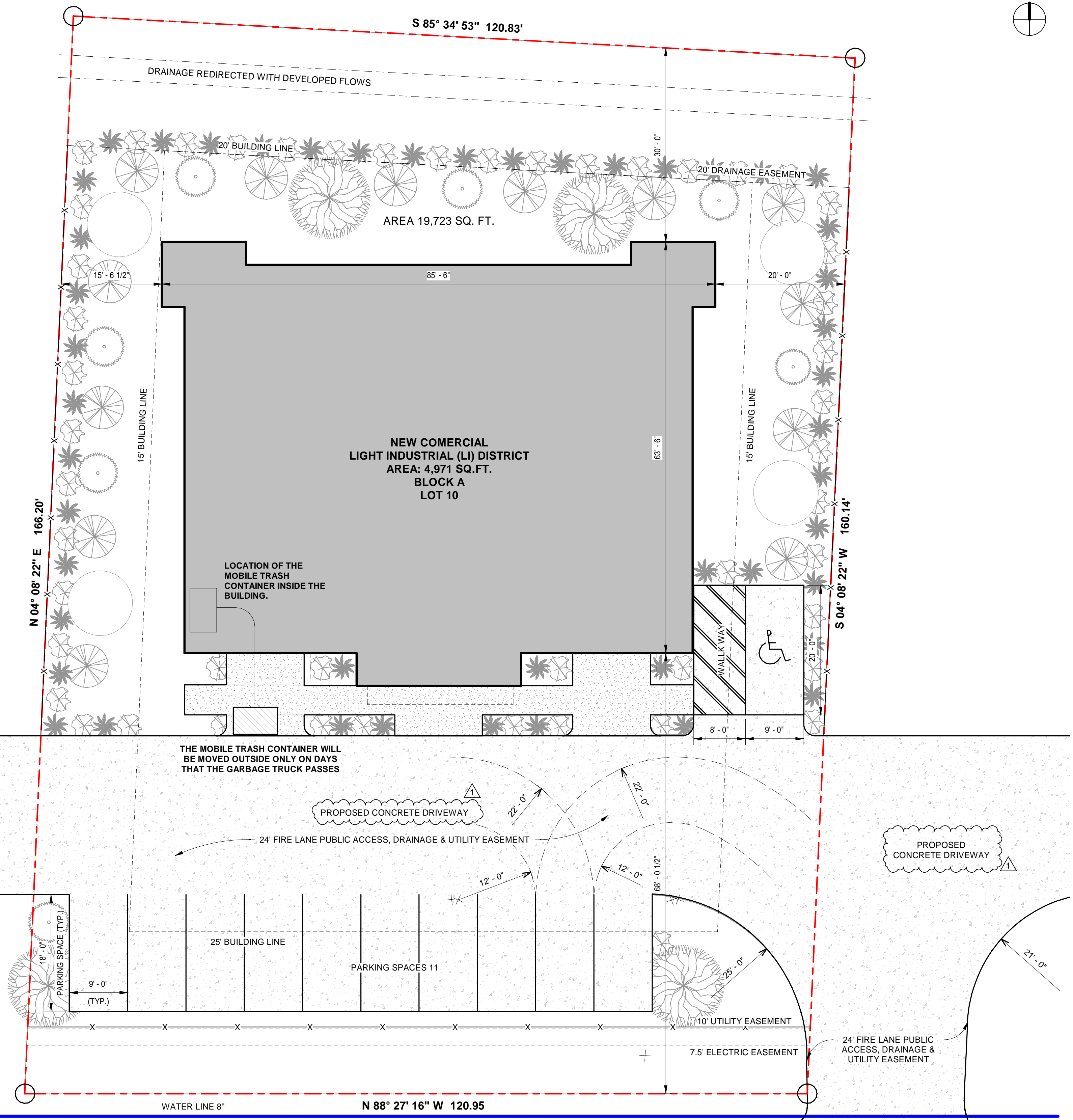
- NOTES:**
- IN THIS PROJECT NO TYPE OF GATES ARE PROPOSED
  - DOES NOT PROPOSE ANY GROUND OR PLATFORM MOUNTED UTILITY EQUIPMENT
  - AN OFF-STREET LOADING DOCK IS NOT PROPOSED AS THE BUILDING IS DESIGNED FOR TRUCKS TO LOAD INSIDE.
  - THERE WILL BE NO OUTSIDE STORAGE OR ABOVE-GROUND STORAGE TANKS.
  - ALL PUBLIC SERVICES ARE UNDERGROUND.
  - SIGNAGE IS DONE THROUGH SEPARATE PERMITS WITH THE BUILDING INSPECTIONS DEPARTMENT
  - SEPARATE FENCE PERMIT FROM THE BUILDING PLANS IS REQUIRED
  - WILL BE REQUIRED TO "CLEANOUT" DITCH TO ENSURE PROPER DRAINAGE
  - WILL BE REQUIRED TO CONSTRUCT RCP CULVERT AND DESIGN DRAINAGE DITCH BETWEEN TWO DRIVEWAYS

**NOTE:** LOCATION OF THE MOBILE GARBAGE CONTAINER WILL BE INSIDE THE BUILDING. THE GARBAGE CONTAINER WILL BE TAKEN OUTSIDE ONLY ON DAYS WHEN THE GARBAGE TRUCK PASSES BY AND CAN BE ACCESSED.

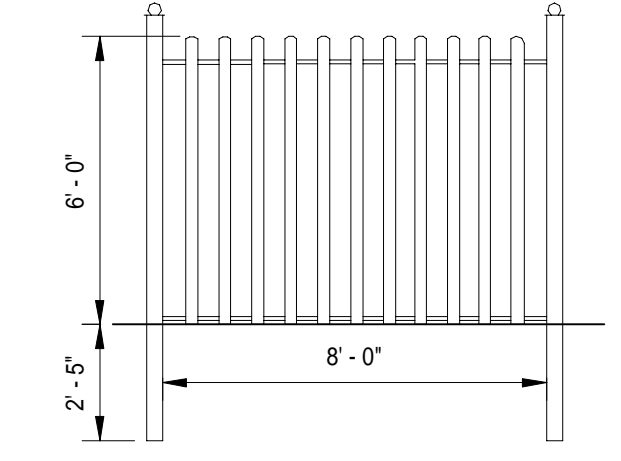


MOBILE TRASH CONTAINER / DUMPSTER (1,500 LB. CAPACITY)

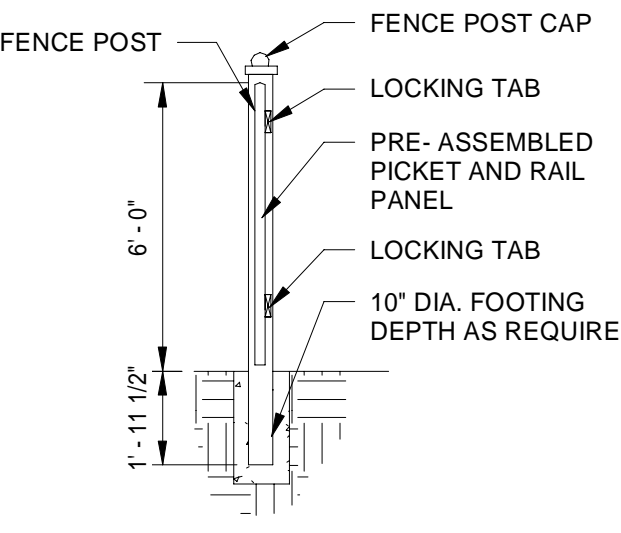
EXISTING 20' DRAINAGE EASEMENT ON ADJACENT PROPERTY



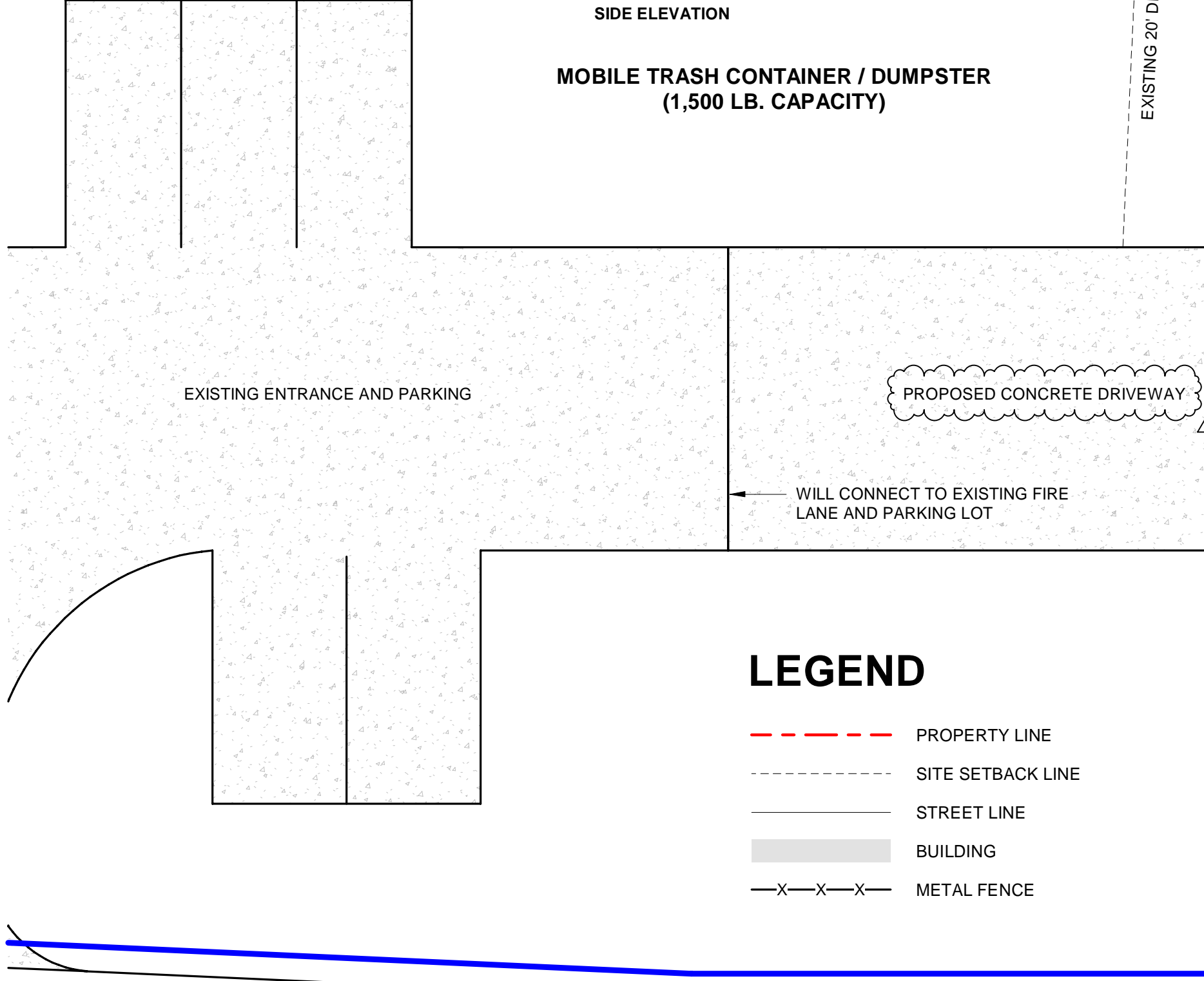
**METAL IRON DETAILS**



ELEVATION VIEW



CROSS SECTION VIEW



**LEGEND**

- PROPERTY LINE
- - - SITE SETBACK LINE
- STREET LINE
- BUILDING
- x-x-x- METAL FENCE

**PARKING CALCULATION**

|  |                    |
|--|--------------------|
| REQUIRED PARKING SPACES FOR OFFICE AREA:             | 1 SPACE PER 300 SF |
| OFFICE AREA:   | 366 SF             |
| PARKING SPACES:                                      | 2                  |
| REQUIRED PARKING SPASEC FOR MANUFACTURING WORK AREA: | 1 SPACE PER 500 SF |
| WORK AREA:   | 4263 SF            |
| PARKING SPACES:                                      | 9                  |
| <b>TOTAL PARKING SPACES:</b>                         | <b>11</b>          |

**LOT COVERAGE**

|                   |                  |
|-------------------|------------------|
| LOT SIZE          | 19 737 SF, 100%  |
| BUILDING COVERAGE | 4987 SF, 25.3%   |
| IMPERVIOUS AREA   | 10 771 SF, 54.6% |
| TOTAL             | 10 771 SF, 54.6% |

**APPROVED:**

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_ day of \_\_\_\_\_.

WITNESS OUR HANDS, THIS \_\_\_ DAY OF \_\_\_\_\_

\_\_\_\_\_  
Planning & Zoning Commission, chairman

\_\_\_\_\_  
Director of Planning and Zoning

1 | SITE PLAN  
1" = 10'-0"

CASE NUMBER: SP2025-032

**NEW BUILDING**  
855 Whitmore Dr, Rockwall,  
TX 75087

NOT FOR CONSTRUCTION

| NO. | REVISION | DATE |
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DRAWING TITLE:

**SITE PLAN**

SCALE: As indicated

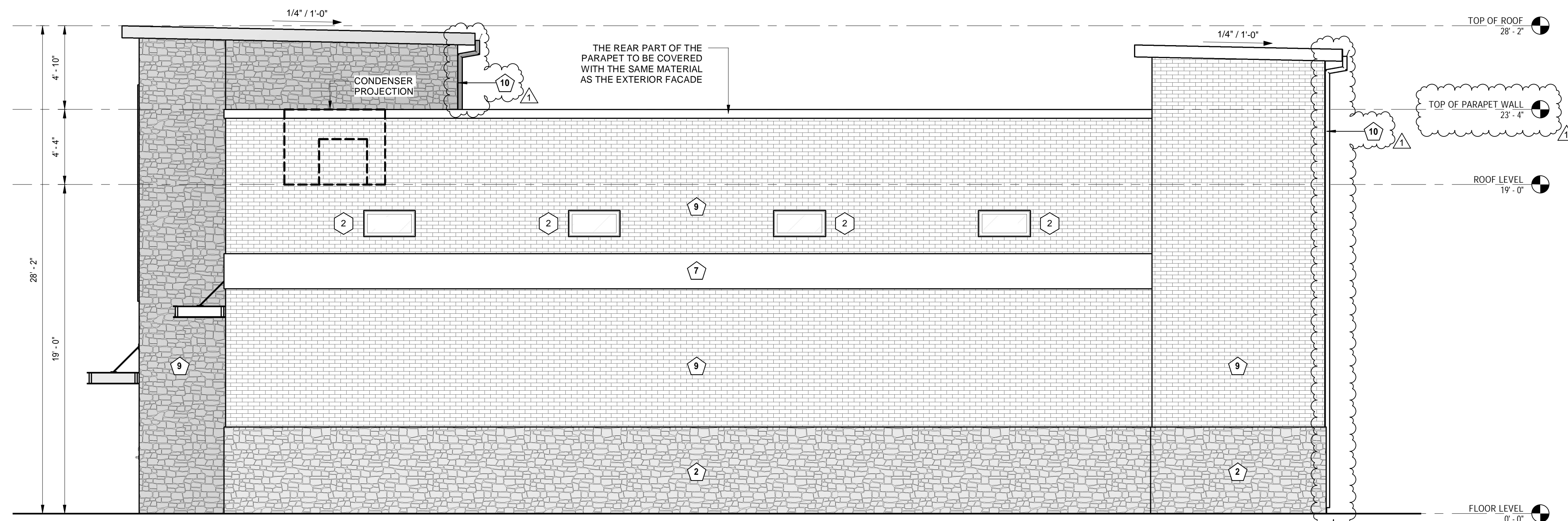
**A1.01**





NEW BUILDING  
855 Whitmore Dr, Rockwall,  
TX 75087

NOT FOR CONSTRUCTION



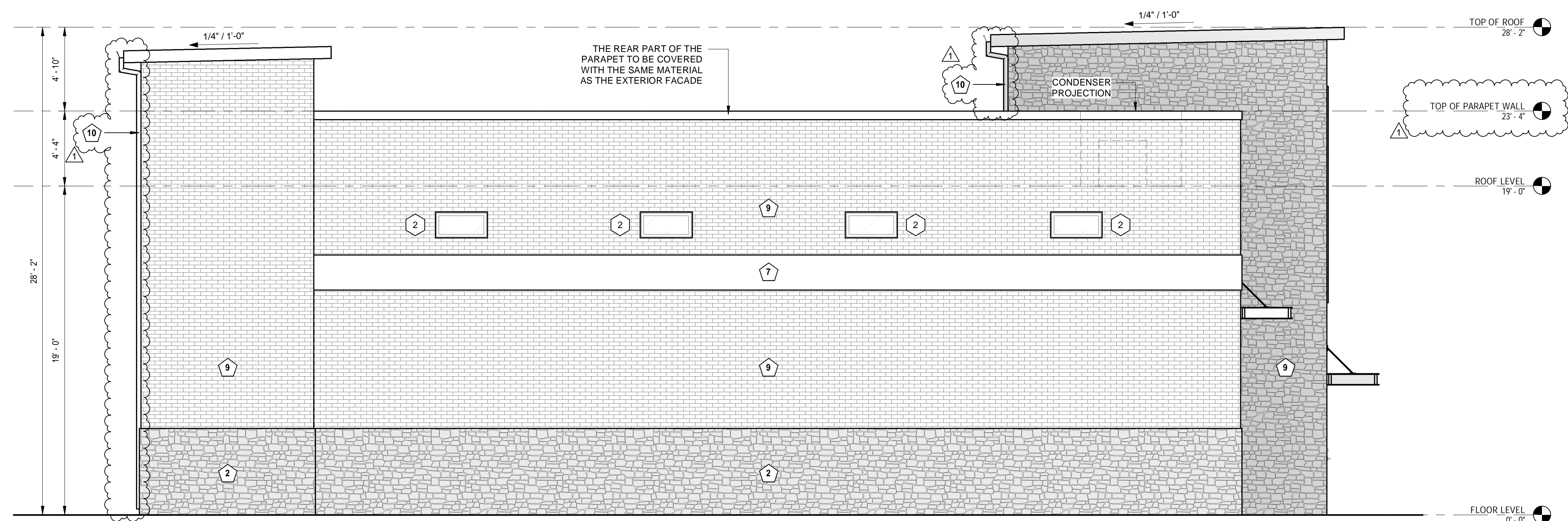
**KEYNOTE LEGEND**

1. ALUMINUM SHEETS
2. STONE SMOKED LUEDERS
3. STUCCO
4. FIBER CEMENT SIDING
5. WOOD
6. GLASS
7. STANDING SEAM
8. ASPHALT SHINGLES
9. BRICK GEORGETOWN
10. DOWNSPOUT

**1** RIGHT ELEVATION  
1/4" = 1'-0"

**AREA AND PERCENTAGE OF MATERIALS**

|       | LEFT ELEVATION     | TOTAL AREA      | PERCENTAGE |
|-------|--------------------|-----------------|------------|
| 2 & 9 | MASONRY MATERIALS  | 1,801 S.Q. F.T. | 100 %      |
| 9     | BRICKS             | 1,693 S.Q. F.T. | 93.0 %     |
| 2     | NATURAL STONE      | 476 S.Q. F.T.   | 30.0 %     |
| 7     | SECONDARY MATERIAL | 106 S.Q. F.T.   | 07.0 %     |
|       | TOTAL              | 1,801 S.Q. F.T. | 100 %      |



**2** LEFT ELEVATION  
1/4" = 1'-0"

**AREA AND PERCENTAGE OF MATERIALS**

|       | LEFT ELEVATION     | TOTAL AREA      | PERCENTAGE |
|-------|--------------------|-----------------|------------|
| 2 & 9 | MASONRY MATERIALS  | 1,801 S.Q. F.T. | 100 %      |
| 9     | BRICKS             | 1,693 S.Q. F.T. | 93.0 %     |
| 2     | NATURAL STONE      | 476 S.Q. F.T.   | 30.0 %     |
| 7     | SECONDARY MATERIAL | 106 S.Q. F.T.   | 07.0 %     |
|       | TOTAL              | 1,801 S.Q. F.T. | 100 %      |

| NO. | REVISION | DATE |
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DRAWING TITLE:

ELEVATIONS

SCALE: 1/4" = 1'-0"

**APPROVED:**  
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_ day of \_\_\_\_\_.  
WITNESS OUR HANDS, THIS \_\_\_ DAY OF \_\_\_\_\_.  
\_\_\_\_\_  
Planning & Zoning Commission, chairman  
\_\_\_\_\_  
Director of Planning and Zoning

CASE NUMBER: SP2025-032

A2.02



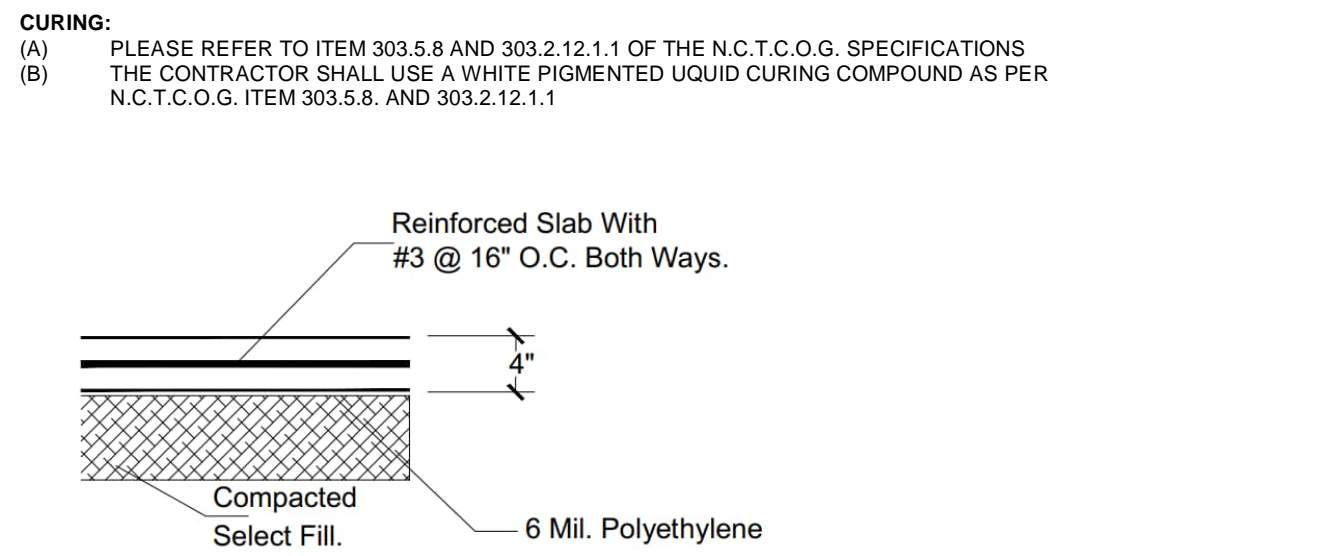
**GENERAL GRADING AND PLANTING NOTES**

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANING WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ AND WILL COMPLY WITH THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
  - THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN)
  - IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +10" OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
  - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
  - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON SOIL TEST PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
  - ENSURE THAT THE FINISH GRADE IN SHARE AREAS IMMEDIATELY ADJACENT TO LIS AND OTHER WALKING SURFACE, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH GRADE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALES.
  - ENSURE THAT THE FINISH GRADE IN SHARE AREAS IMMEDIATELY ADJACENT TO ALIS AND OTHER WALKING SURFACE, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH GRADE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALES.
  - ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALK AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 18" BELOW THE FINISH GRADE OF THE WALKS, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 19" AWAY FROM THE WALKS.
  - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH EMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (E.G. MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC)
  - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
  - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VA PROPER CHANNELS).
  - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 50 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
  - SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

- MULCHES**  
AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).
- ROOT BARRIERS**  
CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.
- IRRIGATION CONCEPT**  
1. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED IRRIGATION CONTRACTOR.  
2. THE IRRIGATION SYSTEM WILL OPERATE ON POTABLE WATER, AND THE SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE POTABLE SOURCE.  
3. ALL NON-TURF PLANTED AREAS SHALL BE DRIP IRRIGATED. SOODED AND SEEDING AREAS SHALL BE IRRIGATED WITH SPRAY OR ROTOR HEADS AT 100% HEAD-TO-HEAD COVERAGE.  
4. ALL PLANTS SHARING SIMILAR HYDROLOGICAL CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.  
5. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR AND SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.  
6. ALL IRRIGATION SHALL MEET THE REQUIREMENTS OF THE CITY OF ROCKWALL'S UDC (SUBSECTION 05.04, OF ARTICLE 08)

- CONCRETE:**  
(A) PORTLAND CEMENT SHALL BE AS PER N.C.T.C.O.G. ITEM 303.2.2  
(B) UP TO 20% (BY WEIGHT) OF THE CEMENT CONTENT MAY BE REPLACED WITH TYPE C FLY ASH. FLY ASH REPLACEMENT SHALL BE 1.25 POUNDS PER 1.0 POUND OF CEMENT REDUCTION. ALSO REFER TO N.C.T.C.O.G. ITEM 303  
(C) AGGREGATES SHALL BE AS PER N.C.T.C.O.G. ITEM 303.2.1. RIVER ROCK OR BLENDED AGGREGATES SHALL NOT BE ALLOWED.  
(D) MANUFACTURED SAND SHALL NOT EXCEED 20% OF THE TOTAL SAND CONTENT IN THE CONCRETE MIX DESIGN.  
(E) CONCRETE FOR ALL PAVING AND CURBS WITHIN THE RIGHT-OF-WAY SHALL HAVE A MINIMUM 5 1/2 SACK/CUBIC YARD OF CEMENT CONTENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI WHEN TESTED AT THE AGE OF 28 DAYS. HAND PLACED CONCRETE SHALL HAVE A MINIMUM 6 1/2 SACK/CUBIC YARD OF CEMENT CONTENT AND MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.  
(F) THE DESIGN ENGINEER SHALL APPROVE THE CONCRETE MIX DESIGN PRIOR TO USE.  
(G) PAVEMENT CURBS SHALL BE POURED MONOLITHICALLY. PLEASE REFER TO N.C.T.C.O.G. ITEM 303.2.2.  
(H) STAMP OR DIE PROJECT PAVING LIMITS INCLUDING ALL STREET INTERSECTIONS TO N.C.T.C.O.G. ITEM 303.2.2.3 AND DETAIL ON THIS SHEET.  
(I) THERE SHALL BE ZERO TOLERANCES FOR CONCRETE STRENGTH AND DEPTH. NO VARIANCES ARE ALLOWED. ANY AREAS OF (I) DEFICIENCY SHALL BE PROVIDED, REMOVED AND REPLACED. ALL CURBS AND GUTTERS SHALL BE POURED IN ONE COURSE. CONSTRUCTION CONCRETE SHALL BE PLACED IN FORMS ON COMPACTED, WETTED SUBGRADE AND SHALL BE TAMPED AND SPADED UNTIL MORTAR COVERS THE ENTIRE SURFACE. TAMPING AND SPADED OF NEWLY POURED CONCRETE SHALL BE GIVEN SPECIAL ATTENTION TO ENSURE ADEQUATE COMPACTION AND SURFACES FREE OF HONEYCOMBS.
- CURING:**  
(A) PLEASE REFER TO ITEM 303.5.8 AND 303.2.12.1.1 OF THE N.C.T.C.O.G. SPECIFICATIONS  
(B) THE CONTRACTOR SHALL USE A WHITE PIGMENTED LIQUID CURING COMPOUND AS PER N.C.T.C.O.G. ITEM 303.5.8, AND 303.2.12.1.1

- REINFORCED SLAB WITH #3 @ 16" O.C. BOTH WAYS.**
- COMPACTED SELECT FILL.**
- 6 MIL. POLYETHYLENE**



**1 CONCRETE DETAIL UNSCALED**

| MIX DESIGN            | MASS PER M <sup>3</sup> | C1-270-FA10-W165 |
|-----------------------|-------------------------|------------------|
| CLINKER 1: CEM1 52.5R | KG                      | 270              |
| FLY ASH (EN 450)      | KG                      | 10               |
| WATER                 | KG                      | 162              |
| SUPERPLASTICIZER      | KG                      | 2.8              |
| RIVER SAND 0-2 mm     | KG                      | 597              |
| RIVER GRAVEL 2-8mm    | KG                      | 446              |
| RIVER GRAVEL 8-16mm   | KG                      | 847              |
| w <sub>c</sub>        | -                       | 0.61             |
| w <sub>ce</sub>       | -                       | 0.60             |

**APPROVED:**  
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_ day of \_\_\_\_\_.  
WITNESS OUR HANDS, THIS \_\_\_ DAY OF \_\_\_\_\_.  
\_\_\_\_\_  
Planning & Zoning Commission, chairman  
\_\_\_\_\_  
Director of Planning and Zoning

**LANDSCAPE STANDARDS**

**05.02 LANDSCAPE REQUIREMENTS LIGHT INDUSTRIAL (LI) DISTRICT:**

TOTAL SITE AREA: ±19,737 SQ.FT.  
LANDSCAPE AREA REQUIRED TOTAL SITE: 2,960 SQ.FT. (15%)  
LANDSCAPE PROVIDED, TOTAL SITE: 8,516 SQ.FT. (43%)

LOCATION OF LANDSCAPING: A MINIMUM OF 100% OF THE TOTAL REQUIRED LANDSCAPING SHALL BE LOCATED IN FRONT OF AND ALONG THE SIDE OF BUILDINGS WITH STREET FRONTAGES 2,960 SQ.FT. X 100% = 2,960 SQ.FT.

LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS: 3,960 SQ.FT. (46%)

MIN. SIZE OF AREAS: ALL REQUIRED LANDSCAPING SHALL BE NO LESS THAN FIVE (5) FEET WIDE AND BE A MINIMUM OF 25 SF IN AREA UNLESS IT IS WITHIN TEN (10) FEET OF A BUILDING ON THE SAME LOT.

DETENTION BASIN: DETENTION BASINS SHALL BE LANDSCAPED IN A NATURAL MANNER USING GROUND COVER, GRASSES, SHRUBS, BERMS, AND ACCENT AND CANOPY TREES. THERE SHALL BE A MINIMUM OF ONE (1) CANOPY TREE PER 750 SF AND ONE (1) ACCENT TREE PER 1,500 SF OF DETENTION AREA.

PROPOSED DETENTION BASIN: 1,500 SQ. FT.  
CANOPY TREES REQUIRED: 2,960 SQ. FT. / 750 SQ. FT. = 2 CANOPY TREE  
CANOPY TREES PROVIDED: 3 CANOPY TREE  
ACCENT TREES REQUIRED: 2,960 SQ. FT. / 1,500 SQ. FT. = 1 ACCENT TREE  
ACCENT TREES PROVIDED: 2 ACCENT TREE

PARKING LOT LANDSCAPING: PARKING LOTS WITH MORE THAN TWO (2) ROWS OF PARKING SPACES (I.E. ONE (1) DRIVE ISLE WITH ROWS OF PARKING ON EITHER SIDE) SHALL HAVE A MINIMUM FOR FIVE (5%) PERCENT OR 200 SF OF LANDSCAPING - WHICHEVER IS GREATER - IN THE INTERIOR OF THE PARKING LOT AREA. SUCH LANDSCAPING SHALL BE COUNTED TOWARD THE TOTAL REQUIRED LANDSCAPING.

PROPOSED PARKING AREA: 2,140 SQ. FT.  
REQ. PARKING AREA LANDSCAPING: 60 SQ. FT. OR 200 SQ. FT.  
PROPOSED PARKING LOT LANDSCAPING: 1,400 SQ. FT.

PARKING SPACES: (1) LARGE CANOPY TREE FOR EVERY TEN (10) PARKING SPACES SHALL BE REQUIRED TO BE PLANTED INTERNAL TO THE PARKING AREAS. (3) NO TREE SHALL BE PLANTED CLOSER THAN FIVE (5) FEET TO THE EDGE OF PAVEMENT

TREES REQUIRED: 1 LARGE CANOPY TREE  
3 LARGE CANOPY TREE

TREES PROVIDED:

05.02 LANDSCAPE BUFFERS - NON-RESIDENTIAL: INDUSTRIAL/OFFICE/TECHNOLOGY LAND USES: 50- FEET ALL LANDSCAPE BUFFERS SHALL INCORPORATE GROUND COVER, A BUILT-UP BERM AND SHRUBBERY OR A COMBINATION THEREOF ALONG THE ENTIRE LENGTH OF THE FRONTAGE. BERMS AND SHRUBBERY SHALL EACH HAVE A MINIMUM HEIGHT OF 30-INCHES AND A MAXIMUM HEIGHT OF 48-INCHES. IN ADDITION TWO (1) CANOPY TREES FOUR (2) ACCENT TREES SHALL BE PLANTED PER 100-FEET OF LINEAR FRONTAGE ALONG THE PRIMARY ROADWAY.

4207' STREET FRONTAGE REQUIRED PLANTING: PROVIDED 10' BUFFER: SHRUBS

BASED ON CITY OF ROCKWALL | UNIFIED DEVELOPMENT CODE

**PLANT SCHEDULE**

| CODE | TREE S        | QTY         | BOTANICAL / COMMON NAME                  | CAL.      | CONT.   | SIZE    |
|------|---------------|-------------|--|-----------|---------|---------|
| QB   |               | 4           | QUERCUS MACROCARPA / BUR OAK             | 4" CAL    | CONT.   | 14' MIN |
| AM   |               | 4           | ACER SACCHARUM / CADDY / CADDY MAPLE     | 4" CAL    | CONT.   | 12' MIN |
| PA   |               | 13          | PINUS ELДАРICA / AFGHAN PINE             | 4" CAL    | CONT.   | 12' MIN |
| AS   |               | 8           | ACER TRUNCATUM / SHANTUNG MAPLE          | 4" CAL    | CONT.   | 12' MIN |
| CODE | SHRUB S       | QTY         | BOTANICAL / COMMON NAME                  | CONTAINER | SPACING | SIZE    |
| ID   |               | 76          | ILEX VOMITORIA NANA / DWARF YALPON HOLLY | 5 GAL.    | 36" OC  | 24" MIN |
| JJ   |               | 74          | JUNIPERUS SP. / JUNIPER                  | 5 GAL.    | 36" OC  | 24" MIN |
| CODE | GROUND COVERS | QTY         | BOTANICAL / COMMON NAME                  | CONT      | SPACING | SIZE    |
| CB   |               | 8,516 SQ.FT | CYNODON DACTYLON / BERMUDA GRASS         | SOND      |         |         |

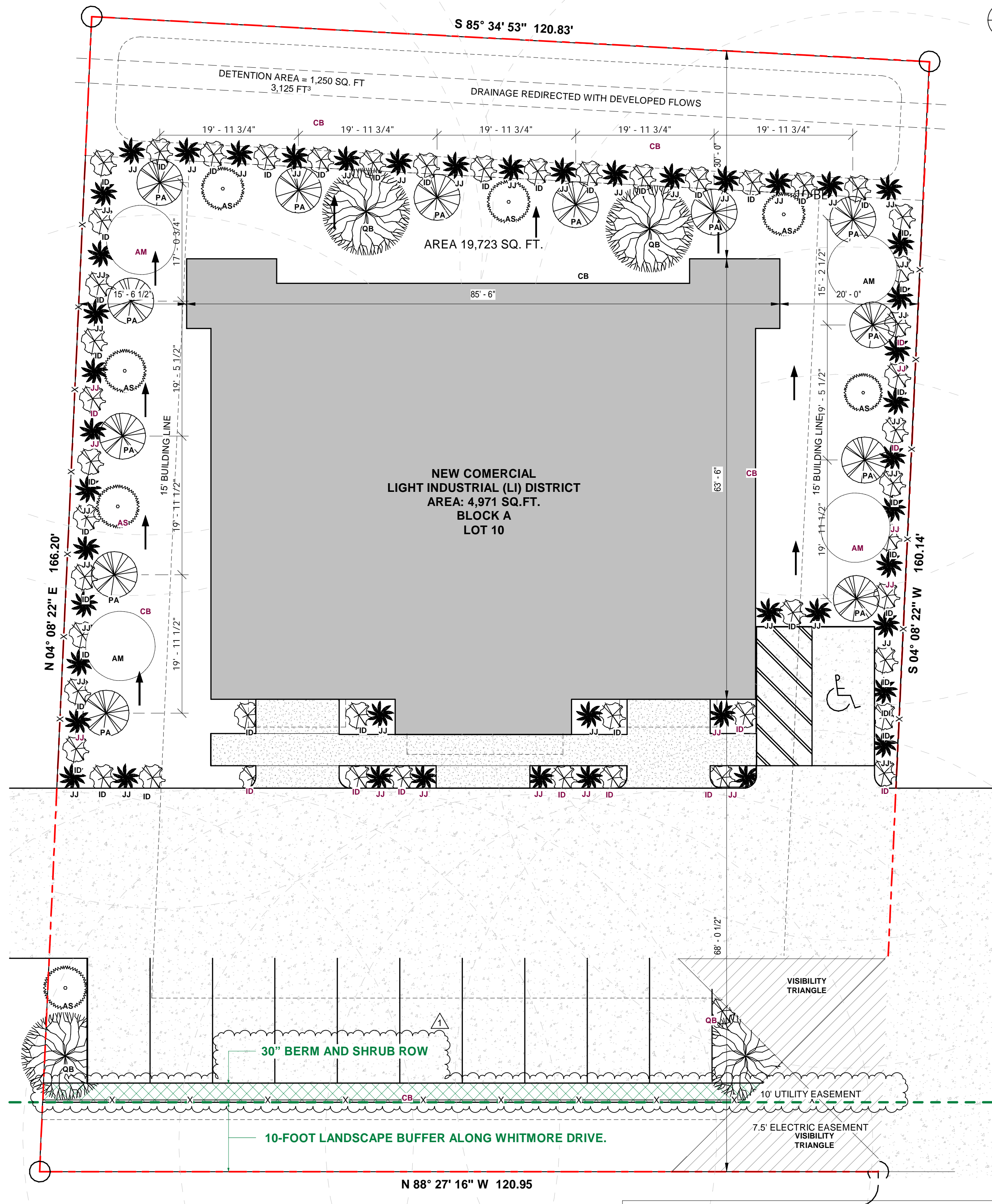
**Equation for the calculation and sizing of wet ponds**

For North Central Texas, the average 85th percentile annual rainfall event is 1.5 inches. Therefore, WQV is calculated using the following formula:  
**WQV = 1.5 Rv A (1.2) / 12**  
where:  
WQV = water quality protection volume (acre-feet)  
Rv = volumetric runoff coefficient  
A = total drainage area (acres)

**IA = 200/CN - 2**  
where:  
IA = initial abstraction  
CN = curve number

where:  
Ia/P  
Ia = initial abstraction  
P = accumulated rainfall obtained from rainfall tables by county in the Hydrology TM Section  
5.0 (inches)  
Using the following equation from TR-55 for a Type II rainfall distribution, VS/Vr can be calculated.  
**VS/Vr = 0.682 - 1.43 (qO/qI) + 1.64 (qO/qI) 2/3 - 0.804 (qO/qI)**

where:  
VS = required storage volume (acre-feet)  
Vr = runoff volume (acre-feet)  
is calculated using the following formula:  
qO = peak outflow discharge (cfs)  
qI = peak inflow discharge (cfs)  
The required storage volume can then be calculated by:  
**VS = (VS/Vr)(Qd)(A) (3.2) / 12**  
where:  
VS and Vr are defined above  
Qd = the developed runoff for the design storm (inches)  
A = total drainage area (acres)



**1 LANDSCAPE PLAN 1" = 10'-0"**

**NOTE:** THE IRRIGATION SYSTEM WILL COMPLY WITH THE REQUIREMENTS OF THE UDC. WATER SHALL NOT BE DIRECTED TO DRAIN ONTO ADJOINING PROPERTY

| SITE PLANE DATE                     |                    |
|-------------------------------------|--------------------|
| SIZE OF LOT                         | 19,737 SQ.FT.      |
| BUILDING                            | 4,987 SQ.FT.       |
| LANDSCAPE AREA REQUIRED TOTAL SITE: | 2,960 SQ.FT. (15%) |
| LANDSCAPE PROVIDED, TOTAL SITE:     | 8,516 SQ.FT. (43%) |
| DRIVEWAY                            | 3,559 SQ.FT.       |
| PARKING                             | 2,140 SQ.FT.       |
| TOTAL COVERED AREA                  | 11,071 SQ.FT.      |
| COVERAGE PERCENT                    | 56%                |

**CASE NUMBER: SP2025-032**

**NEW BUILDING**  
855 Whitmore Dr, Rockwall, TX 75087

NOT FOR CONSTRUCTION

| NO. | DATE | REVISION |
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| 1   |      |          |
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DRAWING TITLE:

**LANDSCAPE PLAN**

SCALE: As indicated

**A5.01**

**TREE PROTECTION SPECIFICATIONS**

**MATERIALS**

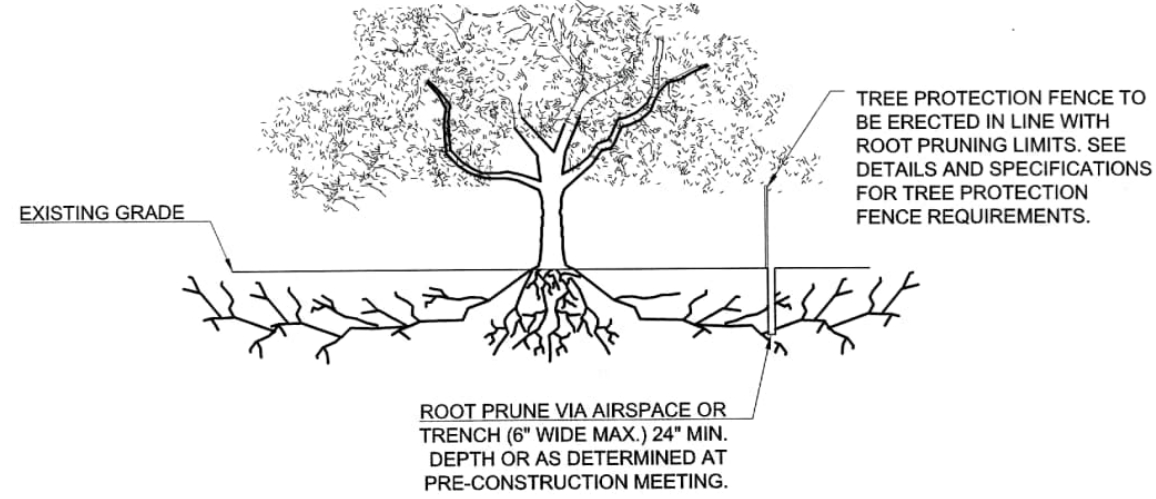
- \* FABRIC: 4 FOOT HIGH ORANGE PLASTIC FENCING AS SHOWN ON THE PLANS AND SHALL BE WOVEN WITH 2 INCH MESH OPENINGS SUCH THAT IN A VERTICAL DIMENSION OF 23 INCHES ALONG THE DIAGONALS OF THE OPENINGS THERE SHALL BE AT LEAST 7 MESHES.
- POSTS: POSTS SHALL BE A MINIMUM OF 72 INCHES LONG AND STEEL T SHAPED WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAR FOOT.
- TIE WIRE WIRE FOR ATTACHING THE FABRIC TO THE T-POSTS SHALL BE NOT LESS THAN NO. 12 GAUGE GALVANIZED WIRE.
- USED MATERIALS: PREVIOUSLY-USED MATERIALS, MEETING THE ABOVE REQUIREMENTS AND WHEN APPROVED BY THE OWNER, MAY BE USED.

**CONSTRUCTION METHODS**

- ALL TREES AND SHRUBS SHOWN TO REMAIN WITHIN THE PROXIMITY OF THE CONSTRUCTION SITE SHALL BE PROTECTED PRIOR TO BEGINNING ANY DEVELOPMENT ACTIVITY.
- EMPLOY THE SERVICES OF AN ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) CERTIFIED ARBORIST AND OBTAIN ALL REQUIRED PERMITS TO PRUNE THE EXISTING TREES FOR CLEANING, RAISING AND THINNING, AS MAY BE REQUIRED.
- PROTECTIVE FENCING SHALL BE ERECTED OUTSIDE THE CRITICAL ROOT ZONE (GR EQUAL TO FROM THE TRUNK FOR EVERY 1" OF DBH) AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE LANDSCAPE CONSULTANT AND/OR CITY ARBORIST, AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS. FENCING SHALL BE MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION. TREES IN CLOSE PROXIMITY SHALL BE FENCED TOGETHER, RATHER THAN INDIVIDUALLY.
- PROTECTIVE FENCE LOCATIONS IN CLOSE PROXIMITY TO STREET INTERSECTIONS OR DRIVES SHALL ADHERE TO THE APPLICABLE JURISDICTION'S SIGHT DISTANCE CRITERIA.
- THE PROTECTIVE FENCING SHALL BE ERECTED BEFORE SITE WORK COMMENCES AND SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PHASE. THE INSTALLATION POSTS SHALL BE PLACED EVERY 5 FEET ON CENTER AND EMBEDDED TO 18 INCHES DEEP. MESH FABRIC SHALL BE ATTACHED TO THE INSTALLATION POSTS BY THE USE OF SUFFICIENT WIRE TIES TO SECURELY FASTEN THE FABRIC TO THE T-POSTS TO HOLD THE FABRIC IN A STABLE AND UPRIGHT POSITION WITHIN THE CRZ.
- DO NOT CLEAR, FILL OR GRADE IN THE CRZ OF ANY TREE.
  - DO NOT STORE, STOCKPILE OR DUMP ANY JOB MATERIAL, SOIL OR RUBBISH UNDER THE SPREAD OF THE TREE BRANCHES.
  - DO NOT PARK OR STORE ANY EQUIPMENT OR SUPPLIES UNDER THE TREE CANOPY. DO NOT SET UP ANY CONSTRUCTION OPERATIONS UNDER THE TREE CANOPY (SUCH AS PIPE CUTTING AND THREADING, MORTAR MIXING, FAINTING OR LUMBER CUTTING). DO NOT NAIL OR ATTACH TEMPORARY SIGNS METERS, SWITCHES, IRES, BRACING OR ANY OTHER ITEM TO THE TREES.
  - DO NOT PERTURB RUNOFF FROM WASTE MATERIALS INCLUDING, SOLVENTS, CONCRETE WASHOUTS, ASPHALT TACK COATS (MC-30 OIL), ETC. TO ENTER THE CRZ. BARRIERS ARE TO BE PROVIDED TO PREVENT SUCH RUNOFF SUBSTANCES FROM ENTERING THE CRZ WHENEVER POSSIBLE, INCLUDING IN AN AREA WHERE RAIN OR SURFACE WATER COULD CARRY SUCH MATERIALS TO THE ROOT SYSTEM OF THE TREE.
  - ROUTE UNDERGROUND UTILITIES TO AVOID THE CRZ. IF DIGGING IS UNAVOIDABLE, BORE THE ROOTS, OR HAND DIG TO AVOID SEVERING THEM.
  - WHERE EXCAVATION IN THE VICINITY OF TREES MUST OCCUR, SUCH AS FOR IRRIGATION INSTALLATION, PROCEED WITH CAUTION, AND USING HAND TOOLS ONLY.
  - THE CONTRACTOR SHALL NOT CUT ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATION OCCURS NEAR EXISTING TREES. ALL ROOTS LARGER THAN ONE INCH IN DIAMETER ARE TO BE CUT CLEANLY, FOR OAKS ONLY. ALL WOUNDS SHALL BE PAINTED WITH WOUND SEALER WITHIN 30 MINUTES.
  - REMOVE ALL TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS BY HAND.
  - TREES DAMAGED OR KILLED DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED AT THE CONTRACTOR'S EXPENSE AND TO THE PROJECT OWNER'S AND LOCAL JURISDICTION'S SATISFACTION.
  - ANY TREE REMOVAL SHALL BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO ITS REMOVAL, AND THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS FOR SUCH ACTIVITIES.
  - COVER EXPOSED ROOTS AT THE END OF EACH DAY WITH SOIL, MULCH OR WET BURLAP.
  - IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION AND WHERE HEAVY TRAFFIC IS ANTICIPATED, COVER THE SOIL WITH EIGHT INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION. THIS EIGHT INCH DEPTH OF MULCH SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
  - WATER ALL TREES IMPACTED BY CONSTRUCTION ACTIVITIES, DEEPLY ONCE A WEEK DURING PERIODS OF HOT DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
  - WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.
  - CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TREE PROTECTION FENCING WHEN ALL THREATS TO THE EXISTING TREES FROM CONSTRUCTION RELATED ACTIVITIES HAVE BEEN REMOVED.

**TREE PROTECTION GENERAL NOTES**

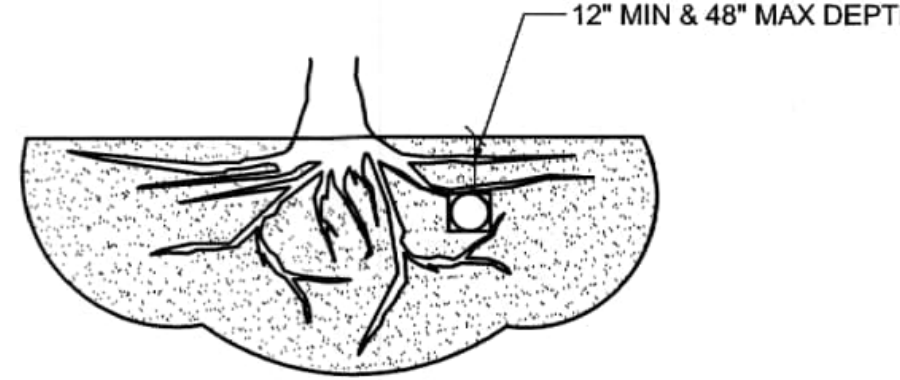
- PRIOR TO THE LAND CLEARING STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL CLEARLY MARK ALL PROTECTED TREES FOR WHICH A TREE REMOVAL PERMIT HAS NOT BEEN ISSUED AND SHALL ERECT BARRIERS FOR THE PROTECTION OF THE TREES ACCORDING TO THE FOLLOWING:
  - AROUND AN AREA AT OR GREATER THAN A SIX-FOOT RADIUS OF ALL SPECIES OF MANGROVES AND PROTECTED CABBAGE PALMS.
  - AROUND AN AREA AT OR GREATER THAN THE FULL DRIPLINE OF ALL PROTECTED NATIVE PINES;
  - AROUND AN AREA AT OR GREATER THAN TWO-THIRDS OF THE DRIPLINE OF ALL OTHER PROTECTED SPECIES.
- NO PERSON SHALL ATTACH ANY SIGN, NOTICE OR OTHER OBJECT TO ANY PROTECTED TREE OR FASTEN ANY WIRES, CABLES, NAILS OR SCREWS TO ANY PROTECTED TREE IN ANY MANNER THAT COULD PROVE HARMFUL TO THE PROTECTED TREE, EXCEPT AS NECESSARY IN CONJUNCTION WITH ACTIVITIES IN THE PUBLIC INTEREST.
- DURING THE CONSTRUCTION STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE CLEANING OF EQUIPMENT OR MATERIAL WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DRIPLINE) OR ON THE NEARBY GROUND OF ANY TREE OR GROUP OF TREES WHICH IS TO BE PRESERVED, WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DRIPLINE) OF ANY TREE OR ON NEARBY GROUND, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT STORAGE OF BUILDING MATERIAL AND/OR EQUIPMENT, OR DISPOSAL OF WASTE MATERIAL SUCH AS PAINTS, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR OR ANY OTHER MATERIAL HARMFUL TO THE LIFE OF THE TREE.
- NO PERSON SHALL PERMIT ANY UNNECESSARY FIRE OR BURNING WITHIN 30 FEET OF THE DRIPLINE OF A PROTECTED TREE
- ANY LANDSCAPING ACTIVITIES WITHIN THE BARRIER AREA SHALL BE ACCOMPLISHED WITH HAND LABOR.
- PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY OR COMPLIANCE FOR ANY DEVELOPMENT, BUILDING OR STRUCTURE, ALL TREES DESIGNATED TO BE PRESERVED THAT WERE DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR WITH TREES OF EQUIVALENT DIAMETER AT BREAST HEIGHT TREE CALIPER AND OF THE SAME SPECIES AS SPECIFIED BY THE CITY ADMINISTRATOR, BEFORE OCCUPANCY OR USE, UNLESS APPROVAL FOR THEIR REMOVAL HAS BEEN GRANTED UNDER PERMIT.
- THE CITY ADMINISTRATOR MAY CONDUCT PERIODIC INSPECTIONS OF THE SITE DURING LAND CLEARANCE AND CONSTRUCTION.
- IF, IN THE OPINION OF THE CITY ADMINISTRATOR, DEVELOPMENT ACTIVITIES WILL SO SEVERELY STRESS SLASH PINES OR ANY OTHER PROTECTED TREE SUCH THAT THEY ARE MADE SUSCEPTIBLE TO INSECT ATTACK, PREVENTATIVE SPRAYING OF THESE TREES BY THE CONTRACTOR MAY BE REQUIRED.



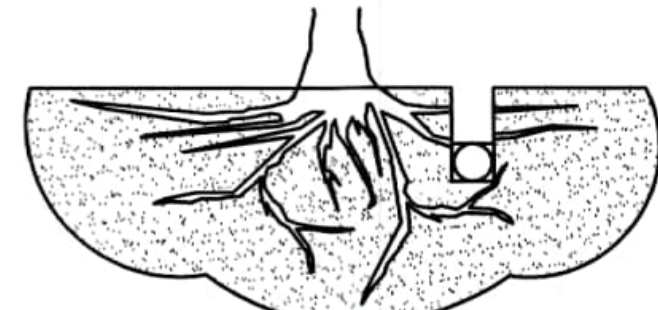
**ROOT PRUNING DETAIL**

TREES THAT ARE MARKED TO BE PRESERVED ON A SITE PLAN AND FOR WHICH UTILITIES MUST PASS THROUGH THEIR ROOT PROTECTION ZONES MAY REQUIRE TUNNELING AS OPPOSED TO OPEN TRENCHES. THE DECISION TO TUNNEL WILL BE DETERMINED ON A CASE BY CASE BASIS BY THE ENGINEER.

TUNNELS SHALL BE DUG THROUGH THE ROOT PROTECTION ZONE IN ORDER TO MINIMIZE ROOT DAMAGE.



TUNNEL TO MINIMIZE ROOT DAMAGE (TOP) AS OPPOSED TO SURFACE-DUG TRENCHES IN ROOT PROTECTION ZONE WHEN THE 5' MINIMUM DISTANCE FROM TRUNK CAN NOT BE ACHIEVED.

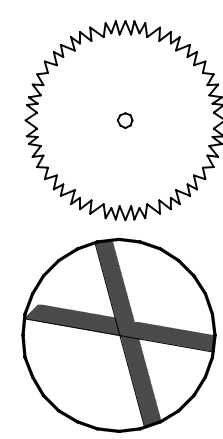


OPEN TRENCHING MAY BE USED IF EXPOSED TREE ROOTS DO NOT EXCEED 3" OR ROOTS CAN BE BENT BACK.

**BORING THROUGH ROOT PROTECTION ZONE**

**NOTE: ALL TREE TRIMMING MUST BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO COMMENCEMENT OF WORK. ALL TREE TRIMMING MUST BE DONE BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH LOCAL TREE PRESERVATION ORDINANCE.**

**EXISTING TREE LEGEND**



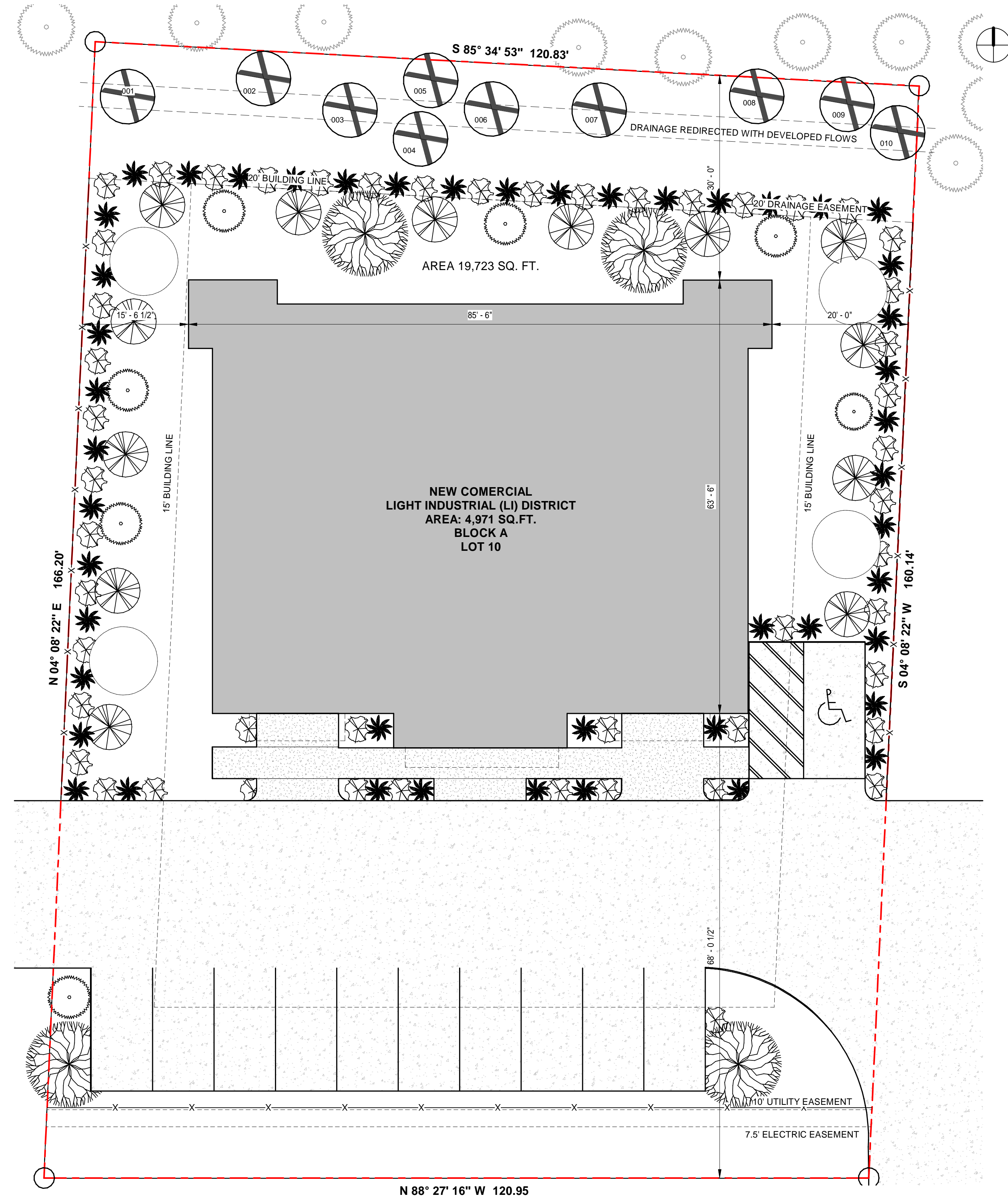
EXISTING TREE OFF SITE

EXISTING TREE TO BE REMOVED

**TREE MIGRATION SUMMARY**

|                                      |     |
|--------------------------------------|-----|
| TOTAL MIGRATION REQUIRED:            | 40" |
| PROPOSED CODE REQUIRED TREES:        | 19" |
| BALANCE OF MITIGATION:               | 14" |
| 4" CAL. MITIGATION TREES (5) ON SITE | 21" |

| TREESCAPE PLAN SPRADSHEET |         |         |                   |                   |               |              |                  |                     |
|---------------------------|---------|---------|-------------------|-------------------|---------------|--------------|------------------|---------------------|
| #                         | SPECIES | CALIPER | PROTECT OR REMOVE | TREE HEALTH (1-5) | DISEASE (Y/N) | INSECT (Y/N) | STRUCTURAL (Y/N) | MITIGATION REQUIRED |
| 10                        | RED OAK | 4"      | REMOVE            | 1                 | N             | N            | N                | 40"                 |
| <b>TOTAL:</b>             |         |         |                   |                   |               |              |                  | 40"                 |



**WHITMORE DRIVE**

| SITE PLANE DATE                     |                    |
|-------------------------------------|--------------------|
| SIZE OF LOT                         | 19,737 SQ.FT.      |
| BUILDING                            | 4,987 SQ.FT.       |
| LANDSCAPE AREA REQUIRED TOTAL SITE: | 2,960 SQ.FT. (15%) |
| LANDSCAPE PROVIDED, TOTAL SITE:     | 8,516 SQ.FT. (43%) |
| DRIVEWAY                            | 3,559 SQ.FT.       |
| PARKING                             | 2,140 SQ.FT.       |
| TOTAL COVERED AREA                  | 11,071 SQ.FT.      |
| COVERAGE PERCENT                    | 56%                |

CASE NUMBER: SP2025-032

**APPROVED:**  
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_ day of \_\_\_\_\_.  
WITNESS OUR HANDS, THIS \_\_\_ DAY OF \_\_\_\_\_.  
\_\_\_\_\_  
Planning & Zoning Commission, chairman  
\_\_\_\_\_  
Director of Planning and Zoning

**NEW BUILDING**  
855 Whitmore Dr, Rockwall, TX 75087

NOT FOR CONSTRUCTION

| NO. | REVISION | DATE |
|-----|----------|------|
| 1   |          |      |
| 2   |          |      |
| 3   |          |      |
| 4   |          |      |
| 5   |          |      |
| 6   |          |      |
| 7   |          |      |
| 8   |          |      |

DRAWING TITLE:

**TREESCAPE PLAN**

SCALE: As indicated

**A6.01**

**NEW BUILDING**  
**855 Whitmore Dr, Rockwall,**  
**TX 75087**

NOT FOR CONSTRUCTION

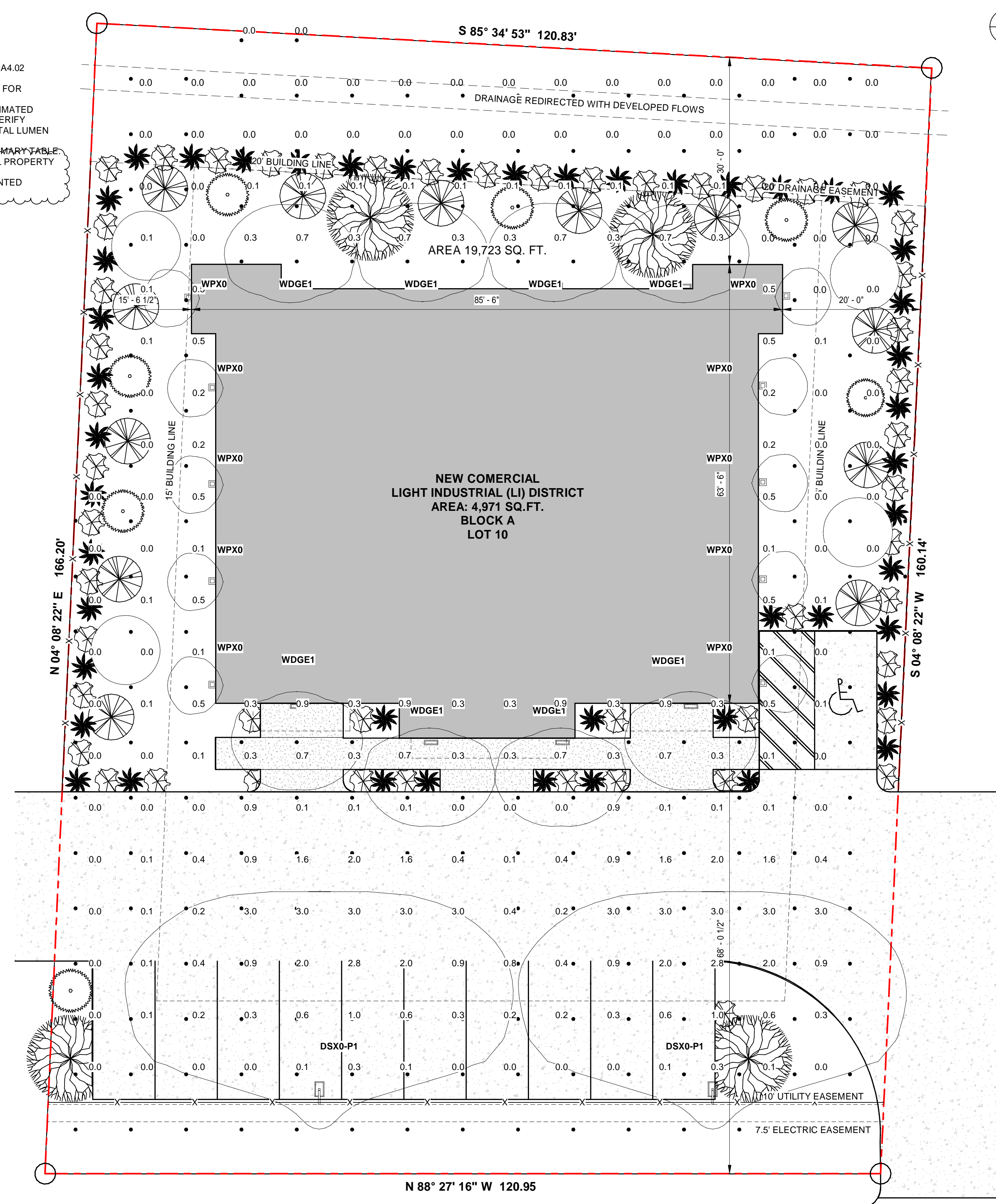
| NO. | DATE | REVISION |
|-----|------|----------|
| 1   |      |          |
| 2   |      |          |
| 3   |      |          |
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| 5   |      |          |
| 6   |      |          |
| 7   |      |          |
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DRAWING TITLE:

**SITE PHOTO -  
 METRICS &  
 DETAILS**

SCALE: As indicated

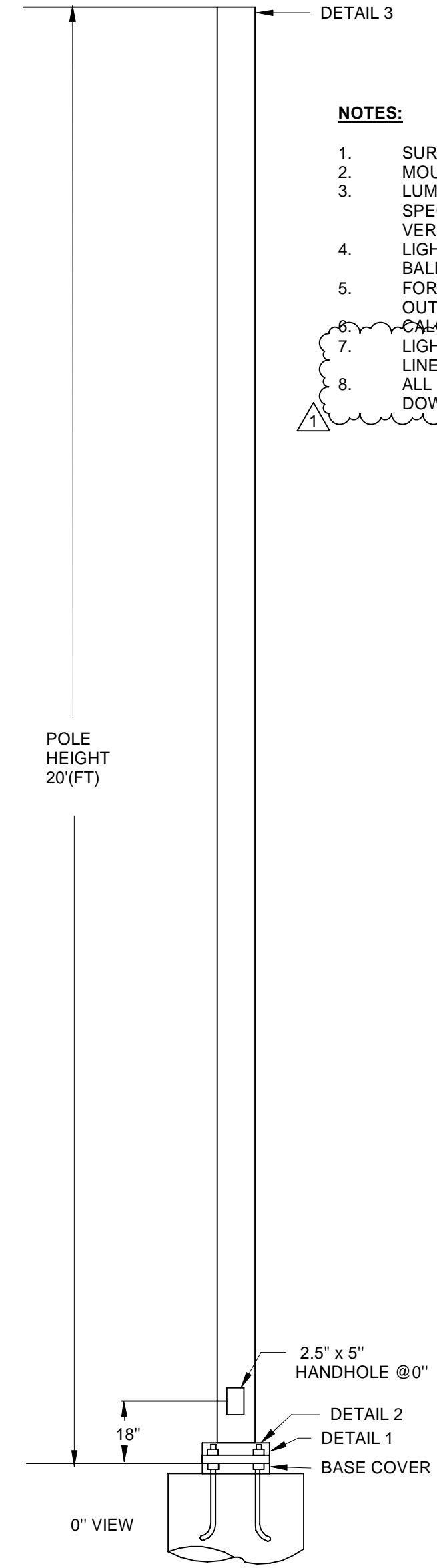
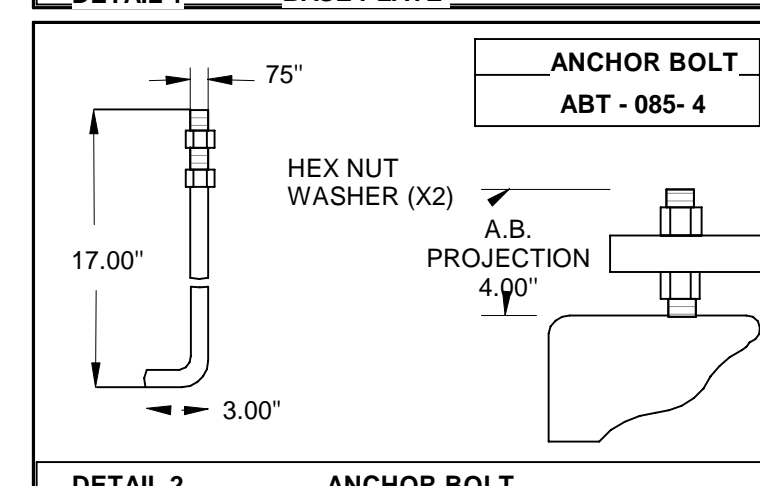
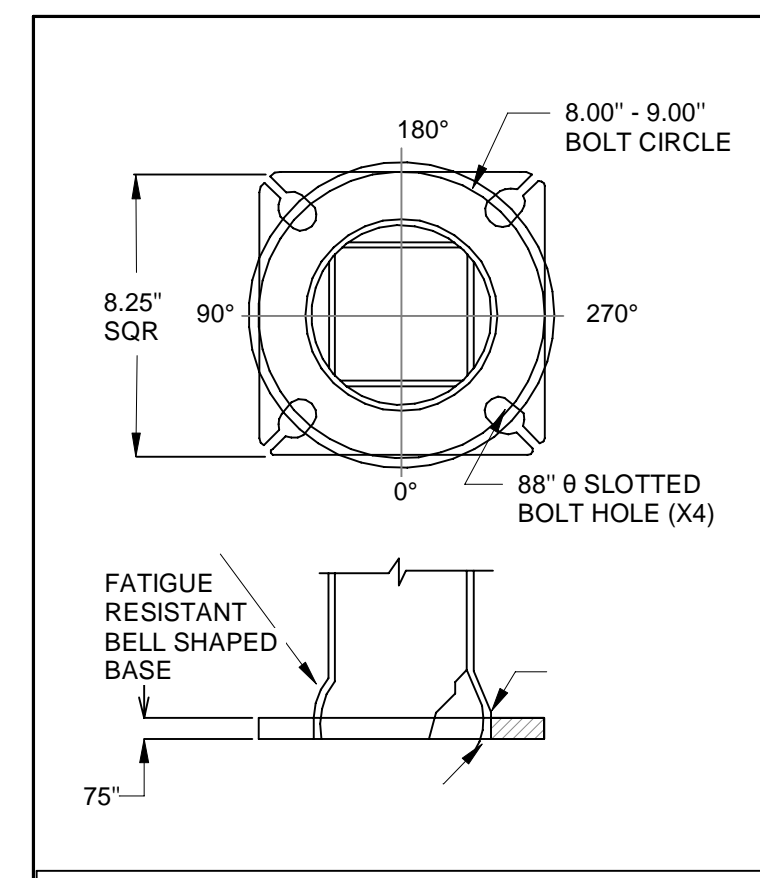
**A4.01**



1 SITE PHOTOMETRICS PLAN  
 1" = 10'-0"

| LUMINAIRE SCHEDULE |      |     |   |                    |                   |                |                   |                     |
|--------------------|------|-----|---|--------------------|-------------------|----------------|-------------------|---------------------|
| SYMBOL             | TYPE | QTY | MANUFACTURER / CATALOG NUMBER   | TOTAL LUMEN OUTPUT | TOTAL INPUT WATTS | BALLAST FACTOR | LIGHT LOST FACTOR | USER DEFINED FACTOR |
| DSX0-P1            | P    | 2   | 2 DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD / D-SERIES SIZE 0 LED AREA LUMINAIRE (LITHONIALIGHTING) | 8,800              | 68.11             | 1.000          | 0.850             | 1.000               |
| WEDGE1             | W    | 8   | WEDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD / WEDGE1 LED ARCHITECTURAL WALL SCOOCE (LITHONIALIGHTING)           | 7,200              | 24                | 1.000          | 0.800             | 1.000               |
| WPX0               | W    | 10  | WPX0 LED ALO SWH2 MVOLT PE DDBXD / WPX0 LED WALL PACK (LITHONIALIGHTING)  | 6,940              | 20                | 1.000          | 0.850             | 1.000               |

CASE NUMBER: SP2025-032



- NOTES:**
1. SURFACE REFLECTANCES: VERTICAL/HORIZONTAL - 50/20
  2. MOUNTING HEIGHTS ARE DESIGNATED ON DRAWING WITH A4.02
  3. LUMINAIRE DESCRIPTION DOES NOT NECESSARILY REFLECTS SPECIFICATION MODEL NUMBER. CONTACT SALESPERSON FOR VERIFICATION.
  4. LIGHTING POWER DENSITY IS CALCULATED BASED ON ESTIMATED BALLAST/DRIVER ENERGY CONSUMPTION. ENGINEER TO VERIFY FOR LUMEN OUTPUT OF SCALE LUMINAIRES. MULTIPLY TOTAL LUMEN OUTPUT BY USER DEFINED FACTOR.
  5. CALCULATION VALUES ARE AT HEIGHT INDICATED IN SUMMARY TABLE
  6. LIGHT LEVELS SHALL NOT BE GREATER THAN 0.2 FC AT ALL PROPERTY LINES
  7. ALL LIGHT FIXTURES SHALL BE FULLY SHIELDED AND ORIENTED DOWNWARD.

- 1) HARDWARE TO BE GALVANIZED TO ASTM A153
- 2) ANCHOR BOLTS SHALL BE FULLY GALVANIZED PER A153
- 3) ALL WELDING TO CONFORM TO: AWS D1.1 MOST RECENT EDITION
- 4) FABRICATION MEETS AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) QUALITY CERTIFICATION
- 5) PROVISIONS FOR CROWDING LOCATED AT BASE HAND HOLE.

| LOADING DATA        |                     |                  |               | MATERIAL DATA |                   |              |     |     |              |             |
|---------------------|---------------------|------------------|---------------|---------------|-------------------|--------------|-----|-----|--------------|-------------|
| DESIGN CRITERIA:    | COMMERCIAL STANDARD |                  |               | COMPONENT     | ASTM              |              |     |     |              |             |
| SPEED (mph)         | 80                  | 90               | 100           | 110           | 120               | 130          | 140 | 150 | POLE SHAFT   | A500 GR. B  |
| EPA FT:             | 9.6                 | 6.7              | 4.5           | 3.5           | 2.0               | 0.8          | --- | --- | BASE PLATE   | A36         |
| WEIGHT (lbs)        | 240                 | 167              | 150           | 88            | 50                | 20           | --- | --- | ANCHOR BOLTS | F1554 GR.55 |
| FINISH              |                     |                  |               | MISC. STEEL   |                   | A36          |     |     |              |             |
| TBD                 |                     |                  |               |               |                   |              |     |     |              |             |
| POLE DIMENSION DATA |                     |                  |               |               |                   |              |     |     |              |             |
| TYPE                | DESIGN              | POLE LENGTH (FT) | BASE DIA (IN) | TOP DIA (IN)  | GAUGE OR THK (IN) | WEIGHT (LBS) |     |     |              |             |
|                     | SNS-20-40-11-AB     | 20               | 4.00          | 4.00          | 11-GA (11967)     | 140          |     |     |              |             |

**WPX0 LED Wall Pack**

**Specifications**  
 Depth: 2.7"  
 Height: 5.15"  
 Width: 5.15"  
 Weight: 2.8lbs

**Introduction**  
 The WPX0 LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both H2O wall pack replacement and new construction opportunities. Available in four sizes, the WPX0 family delivers 52 to 9,200 lumens with a wide, uniform distribution.

The WPX0 full cut-off wall pack is an excellent choice for the door lighting solution. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Standard features such as Adjustable Lumen Output (ALCO), color switching and switchable photocell make WPX0 ideal for any application.

**Ordering Information** EXAMPLE: WPX0 LED ALO SWH2 MVOLT PE DDBXD

| Color    | Color Temperature | Ballast | Control        | Finish              |
|----------|-------------------|---------|----------------|---------------------|
| WPX0240D | 50-100 Lumens     | SWH2    | 3000/4000/5000 | PE - Natural (9005) |
|          |                   | SWH2    | 10K-120K       | 3000                |

**Performance Data**

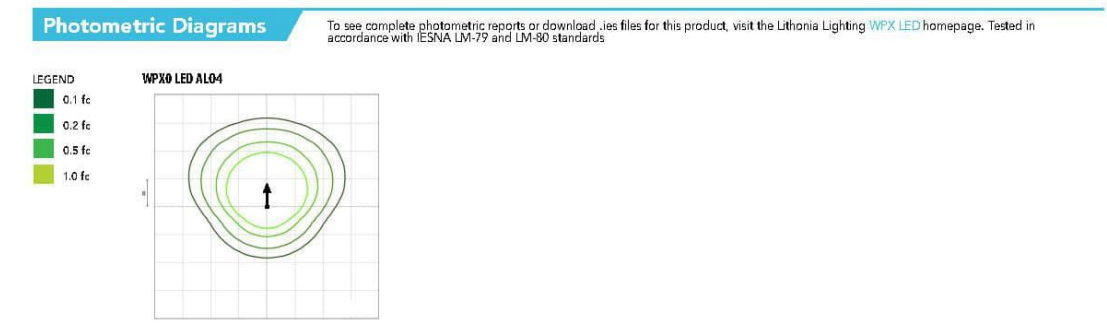
| Ballast Setting | Input Power (W) | LMW  | LMH  | LMV  | LMV  |
|-----------------|-----------------|------|------|------|------|
| A04             | 11.8            | 6.11 | 6.06 | 6.05 | 6.05 |
| A07             | 13              | 6.08 | 6.06 | 6.06 | 6.06 |
| A01             | 1.8             | 6.07 | 6.06 | 6.06 | 6.06 |
| A01             | 6.4             | 6.05 | 6.05 | 6.05 | 6.05 |

**Lumen Output**

| Ballast Setting | Color Temperature | LMW  | LMH  | LMV  |
|-----------------|-------------------|------|------|------|
| A04             | 5000              | 1460 | 1460 | 1460 |
| A07             | 5000              | 1460 | 1460 | 1460 |
| A01             | 5000              | 1460 | 1460 | 1460 |
| A01             | 5000              | 1460 | 1460 | 1460 |
| A01             | 5000              | 1460 | 1460 | 1460 |
| A01             | 5000              | 1460 | 1460 | 1460 |
| A01             | 5000              | 1460 | 1460 | 1460 |
| A01             | 5000              | 1460 | 1460 | 1460 |
| A01             | 5000              | 1460 | 1460 | 1460 |

**Projected LED Lumen Maintenance**  
 Data reference for estimated performance at 25°C ambient, based on a 1000 hours of LED testing based per IESNA LM-80-09 and extrapolated per IESNA TM-21-11.

| Ballast Setting | LMW    | LMH    | LMV    |
|-----------------|--------|--------|--------|
| A04             | 95.00% | 95.00% | 95.00% |
| A07             | 95.00% | 95.00% | 95.00% |
| A01             | 95.00% | 95.00% | 95.00% |



**Switchable Features**

**INSTALLATION**  
 WPX0 can be mounted directly over a standard electrical junction box. A gap on the back surface allows for the passage of air to cool the LED chips. The WPX0 LED luminaire is designed to be used in wet or damp locations. It is not intended for use in corrosive environments.

**WARNING**  
 Do not touch the LED chips or the LED luminaire. The LED luminaire is not intended for use in wet or damp locations. Do not touch the LED chips or the LED luminaire. The LED luminaire is not intended for use in wet or damp locations.

**APPROVED:**  
 I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_ day of \_\_\_\_\_.  
 WITNESS OUR HANDS, THIS \_\_\_ DAY OF \_\_\_\_\_.  
 Planning & Zoning Commission, chairman  
 Director of Planning and Zoning









# CITY OF ROCKWALL

## PLANNING AND ZONING COMMISSION CASE MEMO

### PLANNING AND ZONING DEPARTMENT

385 S. GOLIAD STREET • ROCKWALL, TX 75087

PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

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**TO:** Planning and Zoning Commission  
**DATE:** September 30, 2025  
**APPLICANT:** Dub Douphrate; *Douphrate and Associates*  
**CASE NUMBER:** SP2025-033; *Site Plan for Timpa Law Office*

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### SUMMARY

Discuss and consider a request by Dub Douphrate of Douphrate & Associates, Inc. on behalf of Kim Timpa for the approval of a Site Plan for an *Office Building* on a 1.1308-acre parcel of land identified as Lot 1, Block B, Jack Canup Addition, City of Rockwall, Rockwall County, Texas, zoned Planned Development District 62 (PD-62) for General Retail (GR) District land uses, addressed as 906 S. Goliad Street [*SH-205*], and take any action necessary.

### BACKGROUND

The subject property is considered to be a part of the Original Town Rockwall, and was annexed prior to 1934 based on the August 25, 1934 Sanborn Maps. According to the January 3, 1972 zoning map, the subject property was zoned Single-Family 2 (SF-2) District. At some point between January 3, 1972 and May 16, 1983, the subject property was rezoned to a Single-Family 10 (SF-10) District according to the 1983 zoning map. The subject property retained the Single-Family 10 (SF-10) District zoning designation until September 6, 2005 when the City Council approved Planned Development District 62 (PD-62) by adopting *Ordinance No. 05-42 [Case No. Z2005-031]*. This Planned Development District re-designated the subject property for General Retail (GR) District land uses. In addition, the Planned Development District also re-designated the 0.7329-acre tract of land directly west of the subject property for Zero Lot Line (ZLL-5) District land uses. At the time of the zoning change, situated on the 0.7329-acre tract of land was an existing 2,773 SF single-family home that was constructed in 1980. This tract of land, along with the subject property, were platted into Lots 1-3, Block A (*i.e. the 0.7329-acre tract of land*) and Lot 1, Block B (*i.e. the subject property*), Jack Canup Addition (*Case No. P2006-040*), which was filed with Rockwall County on April 11, 2007. The two (2) undeveloped lots west of the subject property (*i.e. Lots 1 & 2, Block A, Jack Canup Addition*) were developed with single-family homes in 2016. The subject property was vacant at the time the area was rezoned to Planned Development District 62 (PD-62), and has remained vacant since.

### PURPOSE

On August 15, 2025, the applicant -- *Dub Douphrate of Douphrate and Associates* -- submitted an application requesting the approval of a Site Plan for the purpose of constructing an *Office Building* on the subject property.

### ADJACENT LAND USES AND ACCESS

The subject property is addressed as 906 S. Goliad Street [*SH-205*]. The land uses adjacent to the subject property are as follows:

North: Directly north of the subject property is W. Bourn Avenue, which is identified as a R2 (*i.e. residential, two [2] lane, undivided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. North of this roadway is a 1.8046-acre parcel of land (*i.e. Lot 14, Block M, Sanger Addition*) that serves as an overflow parking lot for the First Baptist Church of Rockwall. The parking lot is zoned General Retail (GR) District. West of this land use, and northwest of the subject property, are eight (8) single-family homes (*i.e. Lots 6- 13, Block M, Sanger Addition*) that are zoned Zero Lot Line (ZLL-5) District.

South: Directly south of the subject property is a 15-foot undeveloped alleyway. Beyond this are 13 single-family residential lots (*i.e. Lots 1-6, Block 1 and Lots 1-7, Block 2, L&W Addition*) with 13 single-family homes situated on them. All of these properties are zoned Single-Family 10 (SF-10) District.

East: Directly east of the subject property is the beginning of the S. Goliad Street [SH-205]/Ridge Road [FM-740] split, where a portion of S. Goliad Street proceeds south and a portion of the street splits and turns into Ridge Road. Ridge Road is identified as a M4D (*i.e. major collector, four [4] lane, divided roadway*) and S. Goliad Street is identified as a P6D (*i.e. principal arterial, six [6] lane, divided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this are five (5) parcels of land (*i.e. Lots 1-5, Block A, Canup Addition*) that have two (2) buildings situated on them (*i.e. Mattress Depot and Rockwall Floor Covering*). These five (5) parcels of land are zoned Commercial (C) District.

West: Directly west of the subject property is a 20-foot alleyway that is partially developed. Beyond this are three (3) single-family, residential lots (*i.e. Lots 1-3, Block A, Jack Canup Addition*) with three (3) single-family homes situated on them. These properties are zoned Planned Development District 62 (PD-62) for Zero Lot Line (ZLL-5) District land uses. Beyond these parcels of land is S. Alamo Street, which is designated as a R2 (*i.e. residential, two [2] lane, undivided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this are six (6) single-family residential lots (*i.e. Lots 1-4, Block A and Lots 1-2, Block B, John Spong Subdivision #1*) with five (5) single-family homes situated on them. These lots are followed by the Lake Meadows Subdivision, which consists of 26 residential lots that were established in 1968. All of these properties are zoned Single-Family 10 (SF-10) District.

**DENSITY AND DIMENSIONAL REQUIREMENTS**

According to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC), an *Office Building* is a permitted *by-right* land use in a General Retail (GR) District. The submitted site plan, landscape plan, photometric plan, and building elevations generally conform to the technical requirements contained within the Unified Development Code (UDC) for a property that is zoned Planned Development District 62 (PD-62) and located within a General Retail (GR) District with the exception of the items noted in the *Variances and Exceptions Requested by the Applicant* section of this case memo. A summary of the density and dimensional requirements for the subject property are as follows:

| <i>Ordinance Provisions</i>             | <i>Zoning District Standards</i>            | <i>Conformance to the Standards</i>   |
|---|---|---------------------------------------|
| <i>Minimum Lot Area</i>                 | <i>6,000 SF</i>                             | <i>X=1.1308-acres; In Conformance</i> |
| <i>Minimum Lot Frontage</i>             | <i>60-Feet</i>                              | <i>X= 215.73-feet; In Conformance</i> |
| <i>Minimum Lot Depth</i>                | <i>100-Feet</i>                             | <i>X=302.42-feet; In Conformance</i>  |
| <i>Minimum Front Yard Setback</i>       | <i>15-Feet</i>                              | <i>X&gt;15-feet; In Conformance</i>   |
| <i>Minimum Rear Yard Setback</i>        | <i>10-Feet</i>                              | <i>X&gt;10-feet; In Conformance</i>   |
| <i>Minimum Side Yard Setback</i>        | <i>10-Feet</i>                              | <i>X&gt;10-feet; In Conformance</i>   |
| <i>Maximum Building Height</i>          | <i>36-Feet</i>                              | <i>X=26-feet; In Conformance</i>      |
| <i>Max Building/Lot Coverage</i>        | <i>40%</i>                                  | <i>X=10.2%; In Conformance</i>        |
| <i>Minimum Number of Parking Spaces</i> | <i>1 Parking Space/300 SF (16 Required)</i> | <i>X=25; In Conformance</i>           |
| <i>Minimum Landscaping Percentage</i>   | <i>20%</i>                                  | <i>X&gt;20.0%; In Conformance</i>     |
| <i>Maximum Impervious Coverage</i>      | <i>85-90%</i>                               | <i>X&lt;85%; In Conformance</i>       |

**TREESCAPE PLAN**

The Treescape Plan submitted by the applicant indicates the removal of one (1) hackberry tree measuring 24 caliper inches and one (1) elm tree measuring six (6) caliper inches in size from the subject property as part of the proposed development. Pursuant to Section 05, *Tree Mitigation Requirements*, of Article 09, *Tree Preservation*, of the Unified Development Code (UDC), hackberry trees are not classified as a protected tree. To offset the proposed tree removal, the applicant’s landscape plan provides for the installation of 18 canopy trees, each with being four (4) caliper inches in size, which totals 144 caliper inches of tree being added to the subject property. Accordingly, the proposed landscape plan meets the mitigation requirements of the Unified Development Code (UDC).

## **CONFORMANCE WITH THE CITY'S CODES**

According to Subsection 02.02(D)(2), *Office or Medical Office Building*, of Article 13, *Definitions*, of the Unified Development Code (UDC) an *Office Building* is defined as "(a) facility that provides executive, management, administrative, or professional services not specifically listed elsewhere in Section 01, Land Use Schedule, of Article 04, Permissible Uses, but not involving the sale of merchandise except as incidental to a permitted use. Typical examples include real estate, insurance, property management, investment, employment, travel, advertising, law, architecture, design, engineering, accounting, call centers, and similar offices. Accessory uses may include cafeterias, health facilities, parking, or other amenities primarily for the use of employees in the firm or building." In this case, the applicant is requesting an *Office Building*, which is permitted *by-right* according to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC).

According to Subsection 05.02(B), *Screening from Residential*, of Article 08, *Landscape and Fence Standards*, of the Unified Development Code (UDC), "(a)ny non-residential or multi-family land use or parking area that has a side or rear contiguous to any residentially zoned or used property shall be screened with a masonry fence a minimum of six (6) feet in height with canopy trees planted on 20-foot centers. As an alternative, the Planning and Zoning Commission may approve an alternative screening method that incorporates a wrought iron fence and three (3) tiered screening (*i.e.* [1] *small to mid-sized shrubs, large shrubs or accent trees, and canopy trees* or [2] *evergreen trees and canopy trees*) along the entire length of the adjacency .... The canopy trees shall be placed on 20-foot centers." In this case, the subject property has residential adjacencies along the west and south property lines, where the applicant is proposing a scattered planting of trees and shrubs including an intermittent two (2) foot berm. In lieu of this, staff has added a condition of approval that the applicant provide a landscape plan that meets the three (3) tiered screening requirements of the Unified Development Code (UDC).

The proposed site plan also generally conforms to the requirements of the *General Commercial District Standards* as stipulated by Article 05, *District Development Standards*, of the Unified Development Code (UDC), with the exception of the exception being requested as outlined in the *VariANCES and EXCEPTIONS Requested by the Applicant* section of this case memo.

## **VARIANCES AND EXCEPTIONS BY THE APPLICANT**

As stated above, the applicant's request conforms to the majority of the City's codes; however, staff has identified the following exceptions:

- (1) *Building Articulation*. According to Subsection 04.01 (C)(4), *General Commercial District Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), a secondary building façade wall length "shall not exceed three (3) times the wall height." In this case, the rear and left building elevation exceeds this requirement. This will require an *exception* from the Planning and Zoning Commission pending a recommendation from the Architectural Review Board (ARB).

According to Subsection 09.01, *Exceptions to the General Standards*, of Article 11, *Development Applications and Review Procedures*, of the Unified Development Code (UDC), "...an applicant may request the Planning and Zoning Commission grant a variance to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code would create an undue hardship." In addition, the code requires that the applicant provide compensatory measures that directly offset the requested exceptions. As compensatory measures for this case, the applicant has provided a letter outlining the following compensatory measures: [1] 100.00% masonry, and [2] 55.00% landscaped area (*i.e.* an increase of 35.00% over the required 20.00%). With this being said, requests for exceptions to the *General Commercial District Standards* are discretionary decisions for the Planning and Zoning Commission. Staff should note that a supermajority vote (*e.g.* six [6] out of the seven [7] commissioners) -- with a minimum of four (4) votes in the affirmative -- is required for the approval of a variance or exception.

## **CONFORMANCE WITH OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN**

The Future Land Use Plan adopted with the OURHometown Vision 2040 Comprehensive Plan identifies the subject property as being situated in the *South Lakeshore District*. The *South Lakeshore District* is an established district that is significantly developed with medium density, suburban housing. According to strategy #2 in the *South Lakeshore District* the commercial development in the district is "...intended to support the existing and proposed residential developments and should be

compatible in scale with the adjacent residential structures.” In this case, the applicant is proposing an *Office Building* that will be supportive to the existing residential land uses. Based on this, the applicant’s proposal appears to conform with the goals and policies of the Comprehensive Plan.

### **ARCHITECTURAL REVIEW BOARD (ARB) RECOMMENDATION**

The Architectural Review Board (ARB) reviewed the building elevations provided by the applicant on August 26, 2025, and requested that the applicant double front the building so that it appears to have entrances on to S. Goliad Street and Bourne Street. The applicant has made the requested changes and prior to action being taken on this case the Architectural Review Board will review the building elevations and provide a recommendation to the Planning and Zoning Commission for the September 30, 2025 meeting.

### **CONDITIONS OF APPROVAL**

If the Planning and Zoning Commission chooses to approve the applicant’s Site Plan for the establishment of an *Office Building* on the subject property, then staff would propose the following conditions of approval:

- (1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans.
- (2) The applicant shall provide a three (3) tiered landscaping buffer on the *Landscape Plan* that meets the requirements listed in Subsection 05.02(B), *Screening from Residential*, of Article 08, *Landscape and Fence Standards*, of the Unified Development Code (UDC) prior to the submittal of engineering plans.
- (3) The applicant shall provide a Photometric Plan that meets the requirements listed in Section 03, *Outdoor Lighting for Non-Residential Properties*, of Article 07, *Environmental Performance*, of the Unified Development Code (UDC).
- (4) Any construction resulting from the approval of this Site Plan shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.



# DEVELOPMENT APPLICATION

City of Rockwall  
Planning and Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087

STAFF USE ONLY

PLANNING ZONING CASE NO. \_\_\_\_\_

NOTE: THIS APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING: \_\_\_\_\_

CITY ENGINEER: \_\_\_\_\_

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST (SELECT ONLY ONE BOX):

### PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE)<sup>1</sup>
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE)<sup>1</sup>
- FINAL PLAT (\$300.00 + \$20.00 ACRE)<sup>1</sup>
- REPLAT (\$300.00 + \$20.00 ACRE)<sup>1</sup>
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

### SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE)<sup>1</sup>
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

### ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE)<sup>1</sup>
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE)<sup>1 & 2</sup>
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE)<sup>1</sup>

### OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00)<sup>2</sup>

#### NOTES:

<sup>1</sup>: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.  
<sup>2</sup>: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

## PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 906 S. Goliad

SUBDIVISION \_\_\_\_\_

LOT \_\_\_\_\_

BLOCK \_\_\_\_\_

GENERAL LOCATION SW corner of Bourn & S. Goliad

## ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING \_\_\_\_\_

CURRENT USE \_\_\_\_\_

PROPOSED ZONING \_\_\_\_\_

PROPOSED USE \_\_\_\_\_

ACREAGE \_\_\_\_\_

LOTS [CURRENT] \_\_\_\_\_

LOTS [PROPOSED] \_\_\_\_\_

**SITE PLANS AND PLATS:** BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

## OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER

Kim Timpa

APPLICANT

Douphrate, & Assoc. Inc.

CONTACT PERSON

CONTACT PERSON

Dub Douphrate

ADDRESS \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE & ZIP \_\_\_\_\_

CITY, STATE & ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

PHONE \_\_\_\_\_

E-MAIL \_\_\_\_\_

E-MAIL \_\_\_\_\_

## NOTARY VERIFICATION [REQUIRED]

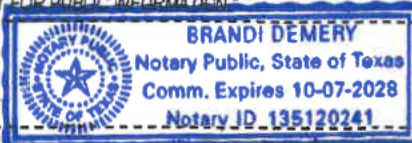
BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED Kim Timpa [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ \_\_\_\_\_ TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_. BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 13 DAY OF August, 2025

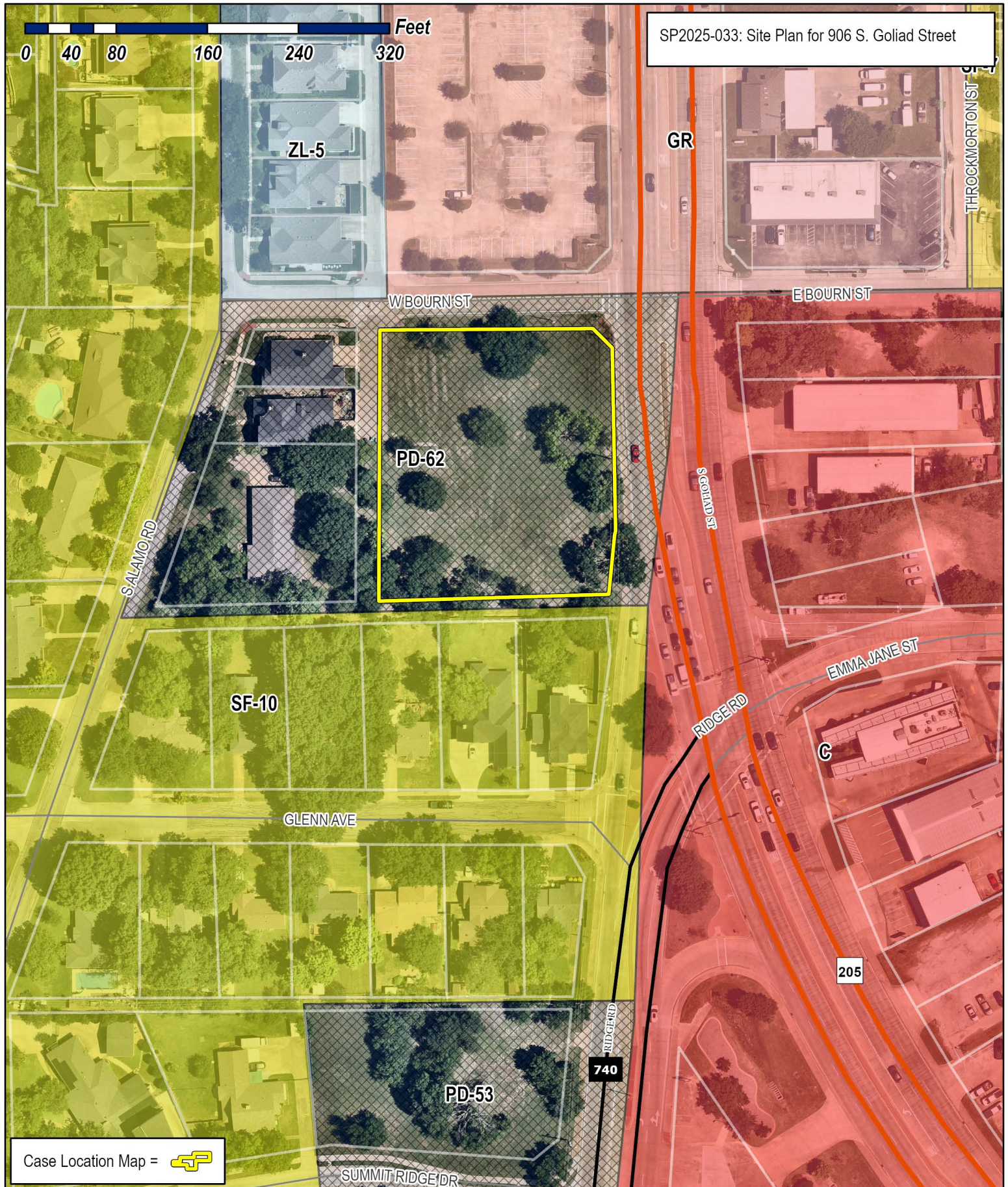
OWNER'S SIGNATURE

Kim Timpa  
Trustee Kim Timpa Trust  
Brandi Demery




MY COMMISSION EXPIRES 10/7/2028

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS



SP2025-033: Site Plan for 906 S. Goliad Street

0 40 80 160 240 320 Feet

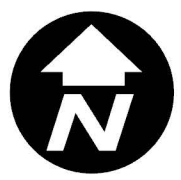
Case Location Map = 

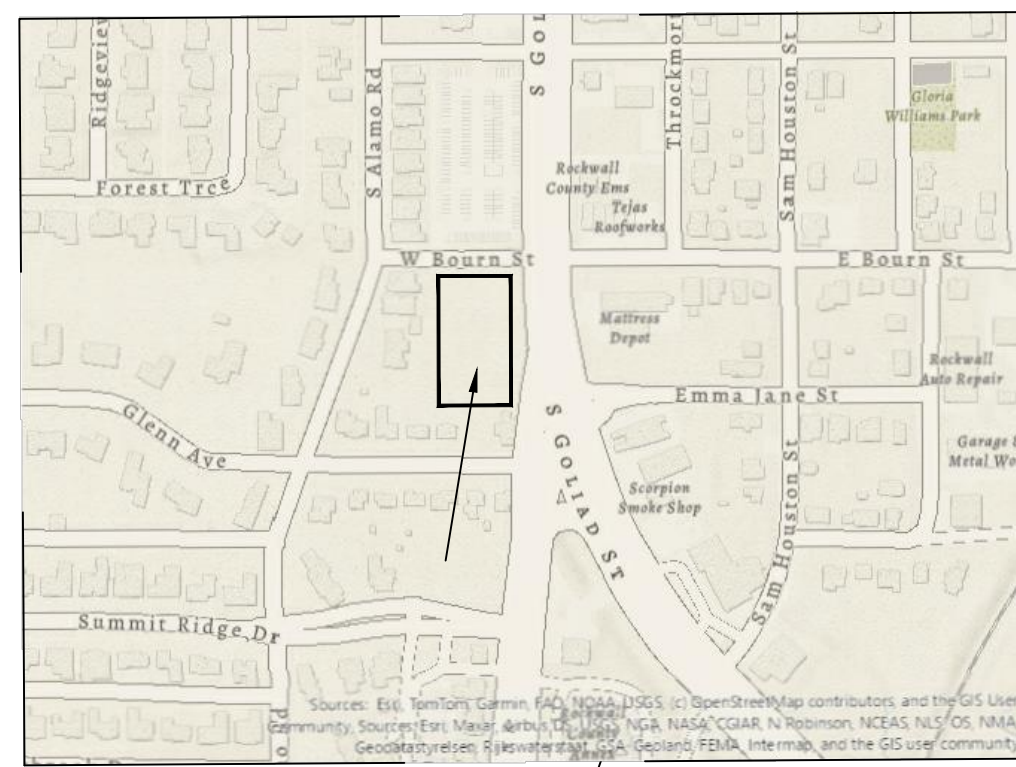


# City of Rockwall

Planning & Zoning Department  
 385 S. Goliad Street  
 Rockwall, Texas 75087  
 (P): (972) 771-7745  
 (W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.

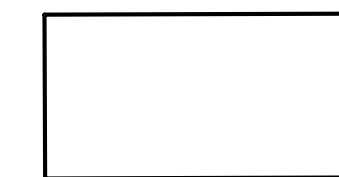




**PROPOSED PAVING SPECIFICATIONS**  
 6" PAVING 3600 PSI CONCR. NO. 3 BAR ON 24" CENTERS  
 SEE ROCKWALL GENERAL CONSTR NOTES SH. 2 OF 2  
 6" SUBGRADE SHALL BE MOISTURE CONTROLLED AND  
 COMPACTED TO 95% STANDARD MOISTURE DENSITY



5" PAVING 3600 PSI CONCR. NO. 3 BAR ON 24" CENTERS  
 SEE ROCKWALL GENERAL CONSTR NOTES SH. 2 OF 2  
 6" SUBGRADE SHALL BE MOISTURE CONTROLLED AND  
 COMPACTED TO 95% STANDARD MOISTURE DENSITY



4" PAVING 3600 PSI CONCR. NO. 3 BAR ON 24" CENTERS  
 SEE ROCKWALL GENERAL CONSTR NOTES SH. 2 OF 2  
 6" SUBGRADE SHALL BE MOISTURE CONTROLLED AND  
 COMPACTED TO 95% STANDARD MOISTURE DENSITY

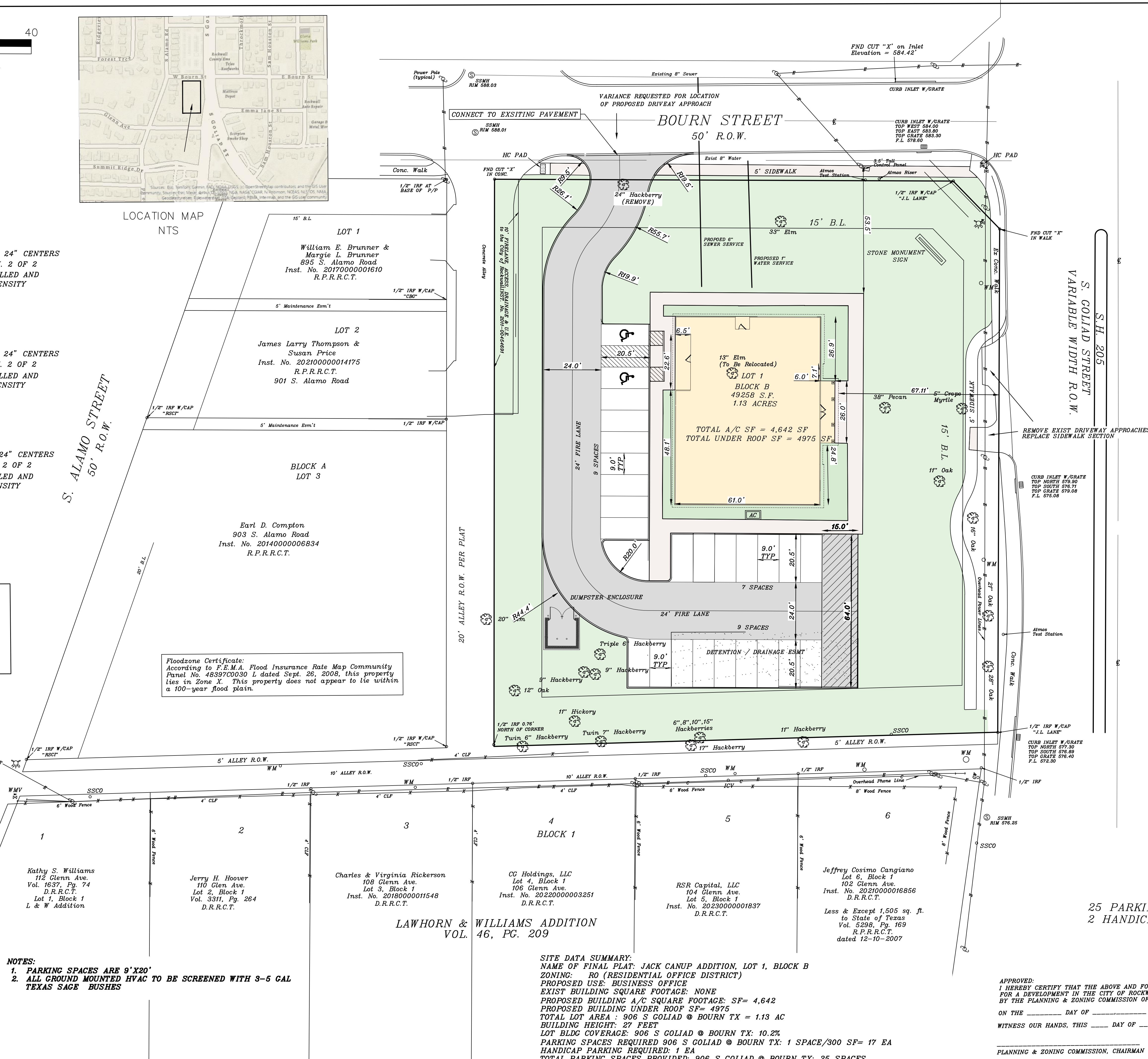


**NOTES:**  
 DIMENSIONS ARE TO BACK OF CURB  
 STORMWATER DETENTION TO BE  
 CONTAINED WITHIN PROPOSED PARKING IN  
 REAR 906 S COLIAD @ BOURN TX  
 ALL ACCESSORY STRUCTURES TO  
 BE REMOVED

**Floodzone Certificate:**  
 According to F.E.M.A. Flood Insurance Rate Map Community  
 Panel No. 48397C0030 L dated Sept. 26, 2008, this property  
 lies in Zone X. This property does not appear to lie within  
 a 100-year flood plain.

**NOTES:**  
 1. PARKING SPACES ARE 9'X20'  
 2. ALL GROUND MOUNTED HVAC TO BE SCREENED WITH 3-5 CAL  
 TEXAS SAGE BUSHES

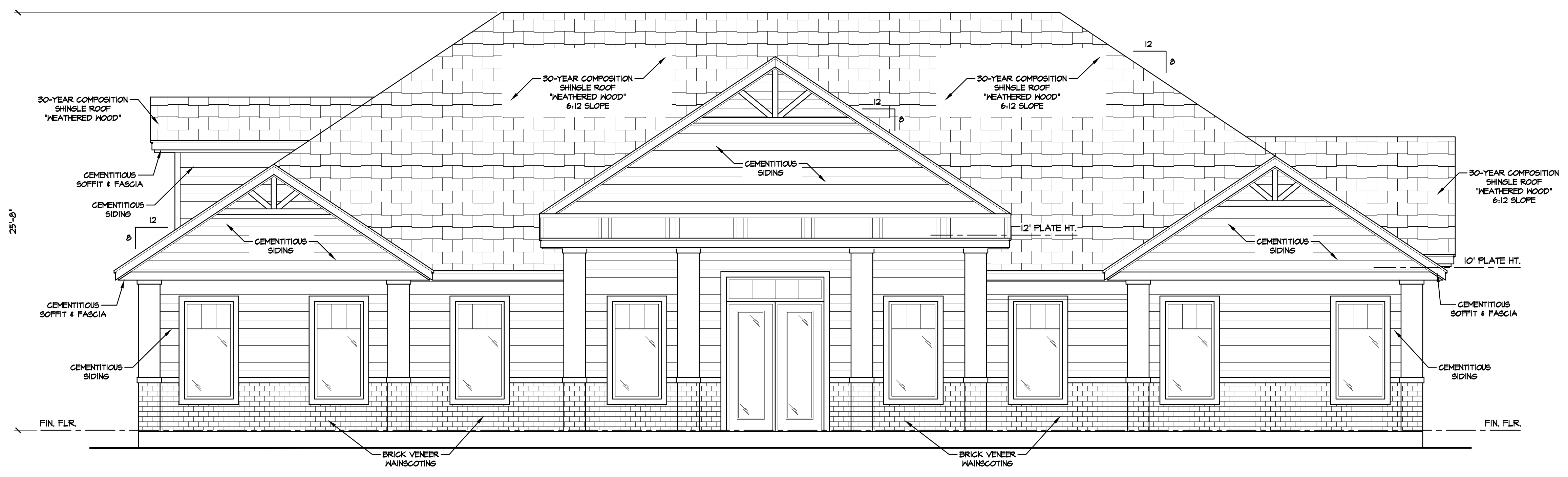
20' ALLEY R.O.W. PER PLAT



**SITE DATA SUMMARY:**  
 NAME OF FINAL PLAT: JACK CANUP ADDITION, LOT 1, BLOCK B  
 ZONING: RO (RESIDENTIAL OFFICE DISTRICT)  
 PROPOSED USE: BUSINESS OFFICE  
 EXIST BUILDING SQUARE FOOTAGE: NONE  
 PROPOSED BUILDING A/C SQUARE FOOTAGE: SF= 4,642  
 PROPOSED BUILDING UNDER ROOF SF= 4975  
 TOTAL LOT AREA : 906 S COLIAD @ BOURN TX = 1.13 AC  
 BUILDING HEIGHT: 27 FEET  
 LOT BLDG COVERAGE: 906 S COLIAD @ BOURN TX: 10.2%  
 PARKING SPACES REQUIRED 906 S COLIAD @ BOURN TX: 1 SPACE/300 SF= 17 EA  
 HANDICAP PARKING REQUIRED: 1 EA  
 TOTAL PARKING SPACES PROVIDED: 906 S COLIAD @ BOURN TX: 25 SPACES

APPROVED:  
 I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN  
 FOR A DEVELOPMENT IN THE CITY OF ROCKWALL, TEXAS, WAS APPROVED  
 BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL  
 ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_  
 WITNESS OUR HANDS, THIS \_\_\_\_\_ DAY OF \_\_\_\_\_  
 PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

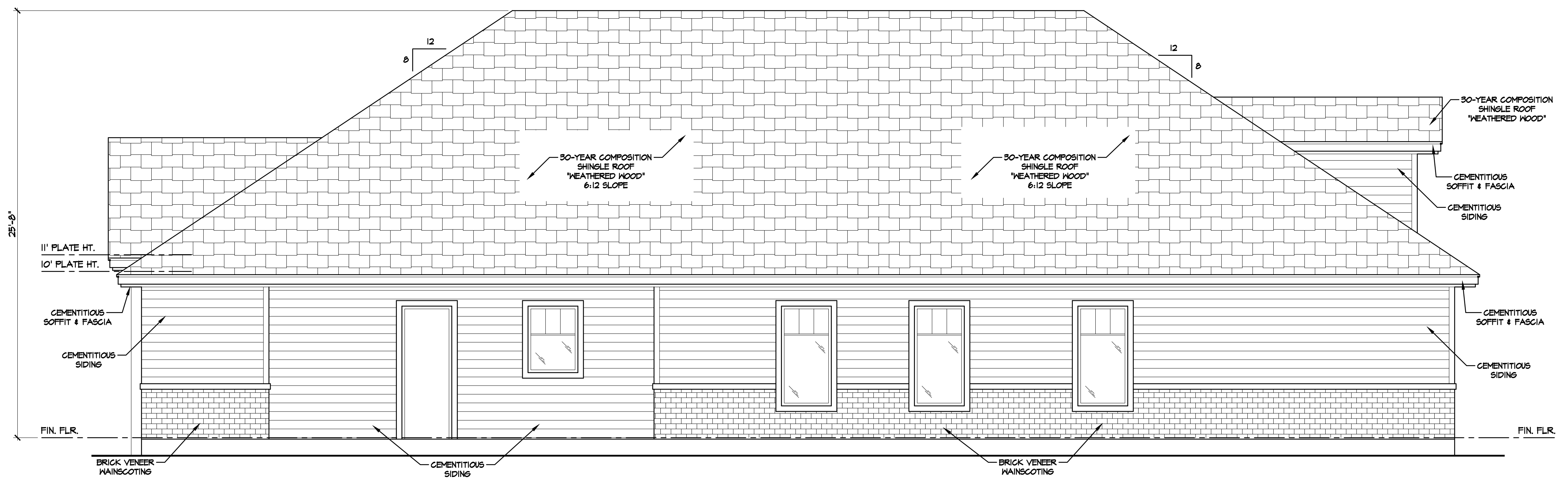
25 PARKING SPACES  
 2 HANDICAP SPACES



| SURFACE AREA CALCULATIONS |          |
|---------------------------|----------|
| BRICK VENEER =            | 170 S.F. |
| CEMENTITIOUS SIDING =     | 475 S.F. |
| TOTAL SURFACE AREA =      | 645 S.F. |

**FRONT ELEVATION**

SCALE: 1/4" = 1'-0"



| SURFACE AREA CALCULATIONS |          |
|---------------------------|----------|
| BRICK VENEER =            | 148 S.F. |
| CEMENTITIOUS SIDING =     | 442 S.F. |
| TOTAL SURFACE AREA =      | 590 S.F. |

**REAR ELEVATION**

SCALE: 1/4" = 1'-0"

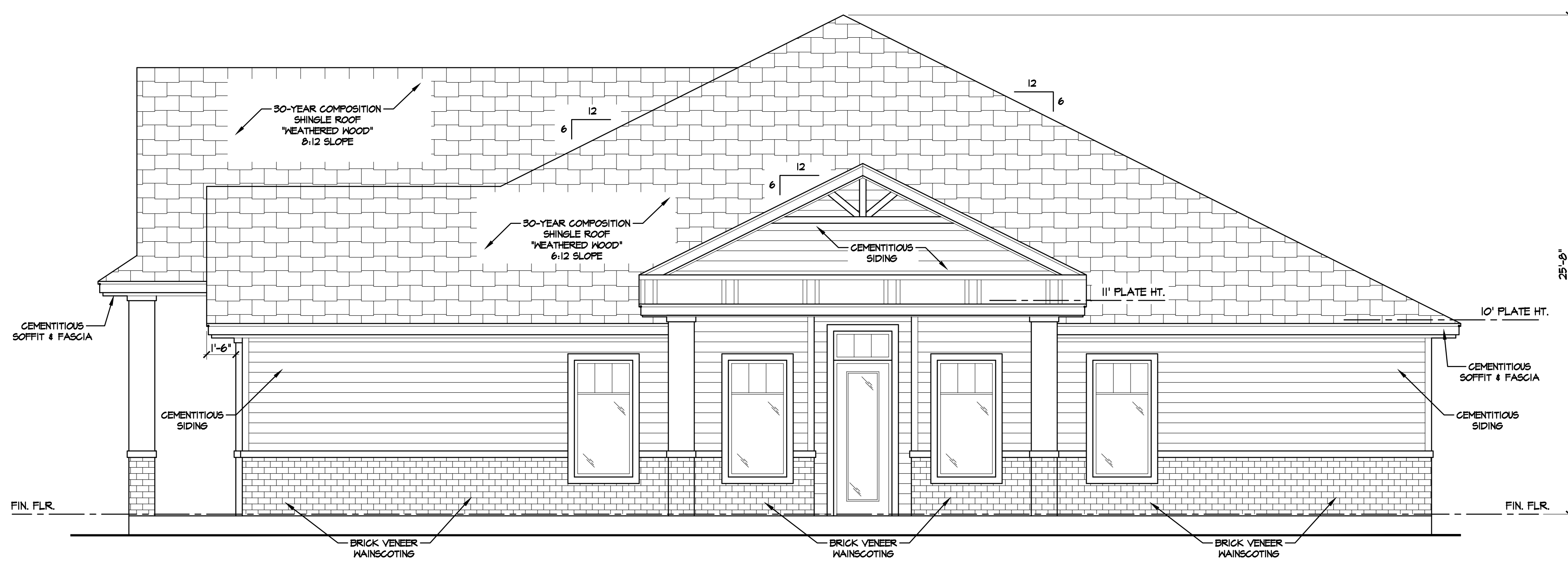
THESE PLANS ARE INTENDED TO PROVIDE BASIC CONSTRUCTION/DESIGN INFORMATION NECESSARY TO COMPLETE THIS STRUCTURE. FIELD VERIFY THE ACCURACY OF THESE PLANS PRIOR TO CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, LOCAL CODES, ORDINANCES, AND RESTRICTIONS APPLY. LIMIT OF DESIGNERS LIABILITY: NOT TO EXCEED PRICE PAID FOR THE PLANS.

| DATE       |
|------------|
| 06/28/2025 |
| 07/01/2025 |
| 07/08/2025 |
| 07/28/2025 |
| 08/05/2025 |
| 08/12/2025 |
| 08/27/2025 |
| 09/12/2025 |



THESE PLANS ARE INTENDED TO PROVIDE BASIC CONSTRUCTION/DESIGN INFORMATION NECESSARY TO COMPLETE THIS STRUCTURE. FIELD VERIFY THE ACCURACY OF THESE PLANS PRIOR TO CONSTRUCTION. THE ARCHITECT ASSUMES NO LIABILITY FOR ERRORS OR OMISSIONS. THE ARCHITECT DOES NOT WARRANT THE RIGHT TO MODIFY THESE PLANS AS REQUIRED IN THE FIELD. LOCAL CODES, ORDINANCES, AND RESTRICTIONS APPLY. LIMIT OF DESIGNER'S LIABILITY NOT TO EXCEED PRICE PAID FOR THE PLANS.

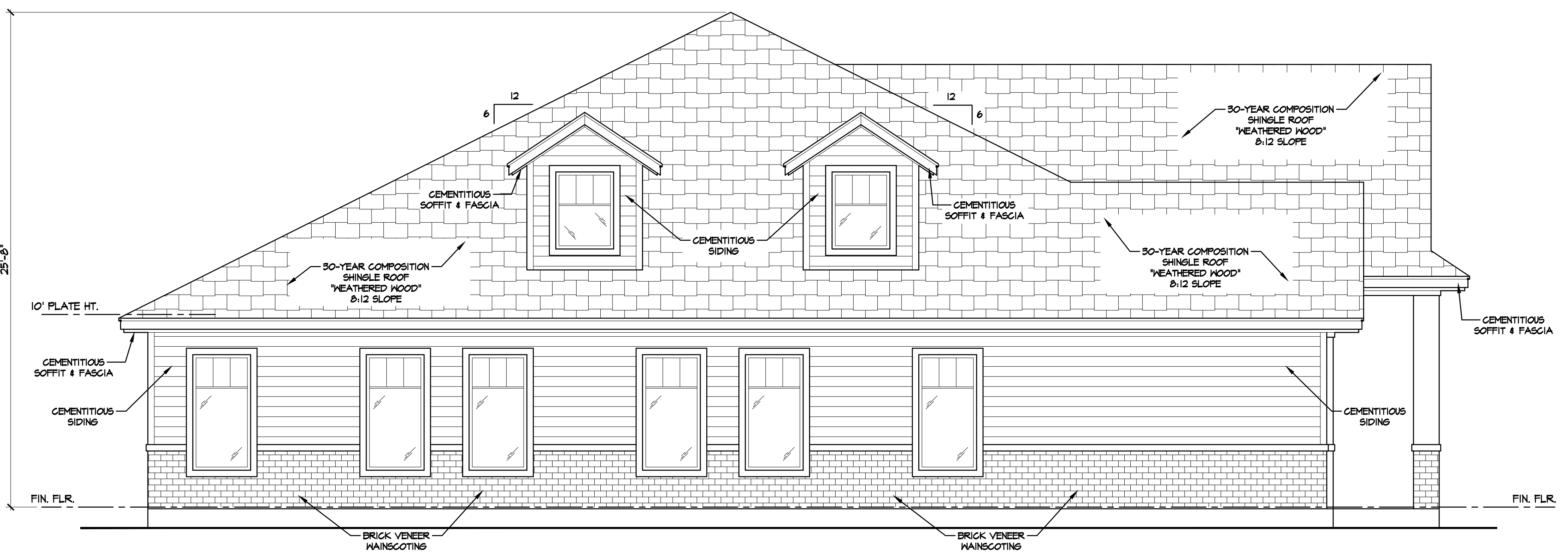
| DATE       |
|------------|
| 06/28/2025 |
| 07/07/2025 |
| 07/08/2025 |
| 07/28/2025 |
| 08/05/2025 |
| 08/12/2025 |
| 08/27/2025 |
| 09/12/2025 |



| SURFACE AREA CALCULATIONS |          |
|---------------------------|----------|
| BRICK VENEER =            | 148 S.F. |
| CEMENTITIOUS SIDING =     | 258 S.F. |
| TOTAL SURFACE AREA =      | 406 S.F. |

**RIGHT ELEVATION**

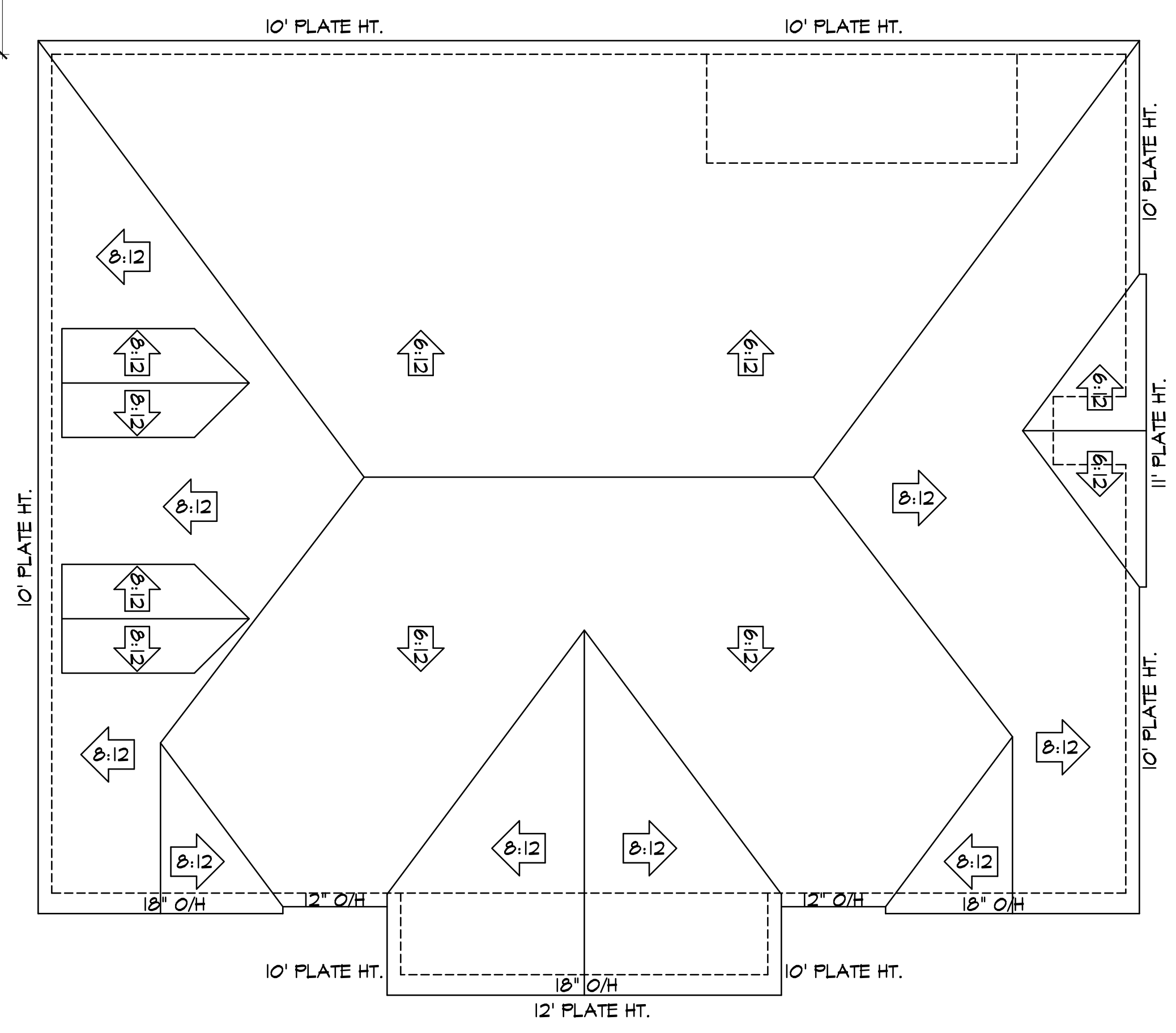
SCALE: 1/4" = 1'-0"



| SURFACE AREA CALCULATIONS |          |
|---------------------------|----------|
| BRICK VENEER =            | 153 S.F. |
| CEMENTITIOUS SIDING =     | 278 S.F. |
| TOTAL SURFACE AREA =      | 431 S.F. |

**LEFT ELEVATION**

SCALE: 1/4" = 1'-0"



**ROOF PLAN**

SCALE: 1/8" = 1'-0"





THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KIM TIMPA, TEXAS P.E. LICENSE NO. 60102, DATE: AUG 6, 2025

DOUPHRATE & ASSOCIATES, INC.  
ENGINEERING PROJECT MANAGEMENT SURVEYING  
2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087  
PHONE: (972)771-9004 FAX: (972)771-9005

LANDSCAPING PLAN  
KIM TIMPA LAW OFFICES  
906 S GOLIAD @ BOURN TX  
CITY OF ROCKWALL,  
ROCKWALL COUNTY, TEXAS

REVISION W.L.D.  
CHECKED G.C.W.  
DRAWN  
SCALE 1"=20' H  
1"=1" V  
DATE JAN 29, 2024  
PROJECT 23018 SITE PL  
20



**NEW PLANT MATERIAL LIST**

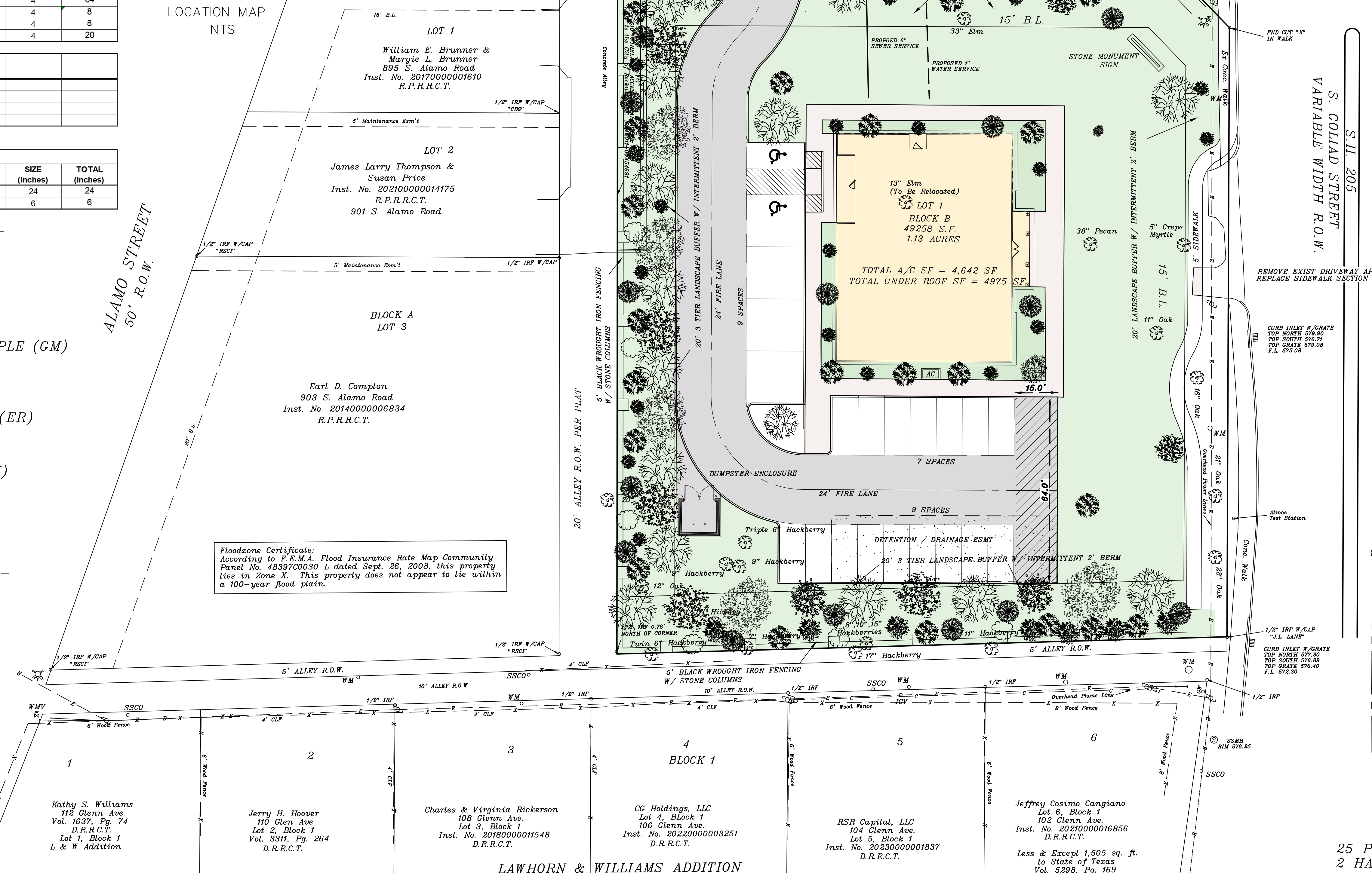
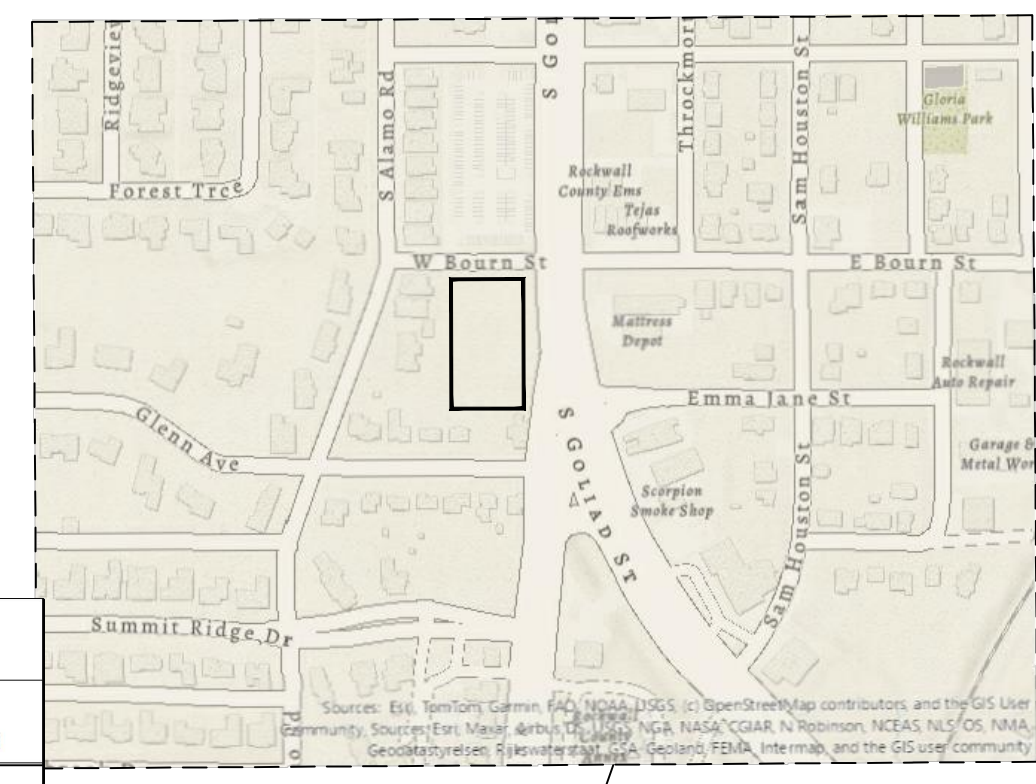
| KEY | QUANTITY | TREE DESCRIPTION | SIZE (Inches) | TOTAL (Inches) |
|-----|----------|------------------|---------------|----------------|
| LO  | 16       | LIVE OAK         | 4"            | 64"            |
| RB  | 2        | OLD GLORY MAPLE  | 4"            | 8"             |
| YH  | 2        | YAPON HOLLY      | 4"            | 8"             |
| ER  | 5        | EASTERN REDBUD   | 4"            | 20"            |

| KEY | QUANTITY | SHRUB DESCRIPTION    |
|-----|----------|----------------------|
| NS  | 26       | NELLIE STEVENS HOLLY |
| TS  | 19       | TEXAS SAGE           |
| BH  | 14       | DWARF BURFORD HOLLY  |
| R   | 7        | ROSEMARY             |

**TREES REMOVED**

| KEY | QUANTITY | TREE DESCRIPTION | SIZE (Inches) | TOTAL (Inches) |
|-----|----------|------------------|---------------|----------------|
| HB  | 1        | HACKBERRY        | 24"           | 24"            |
| ELM | 1        | ELM TREE         | 6"            | 6"             |

- PROPOSED TREES**
- 4" LIVE OAK (LO) CANOPY
  - 4" OLD GLORY MAPLE (GM) CANOPY
  - EASTERN REDBUD (ER) ACCENT
  - YAPON HOLLY (YH) ACCENT
- PROPOSED SHRUBS**
- NELLIE STEVENS HOLLY (NS)
  - TEXAS SAGE (TS)
  - DWARF BURFORD HOLLY (BH)
  - ROSEMARY (R)



- LANDSCAPING NOTES:**
- INTERIOR LANDSCAPING REQUIRED: 20%  
INTERIOR LANDSCAPING PROVIDED: 55% 27,326 SF
  - ALL GROUND MOUNTED HVAC TO BE SCREENED WITH 3-5 GAL TEXAS SAGE BUSHES
  - LANDSCAPE EACH BLDG FRONTAGE & SIDES WITH MIXTURE OF 16-5 GAL NELLIE STEVENS HOLLY, TEXAS SAGE, DWARF BURFORD HOLLY, AND ROSEMARY
  - ALL SHRUBS SHALL BE A 5 CAL MINIMUM IN SIZE.
  - 4 ACCENT TREES TO BE PLANTED WITHIN THE 20' LANDSCAPE BUFFER. A TOTAL OF 2-EASTERN REDBUD AND 2-YAPON HOLLY
  - A TOTAL OF 5- 4" CANOPY TREES SHALL BE PLANTED WITHIN THE LANDSCAPE BUFFER. THE 5-4" CANOPY TREES WILL BE A MIXTURE OF LIVE OAK AND OLD GLORY MAPLE
  - THE LANDSCAPE BUFFERS ALONG BOURNE AND GOLIAD AS WELL AS BOTH OF THE 3 TIER SCREENS ALONG THE WEST AND SOUTH PROPERTY LINE WILL INCLUDE A INTERMITTENT 2' BERM
  - IRRIGATION WILL MEET THE REQUIREMENTS OF THE UDC

APPROVED: I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWALL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024.  
WITNESS OUR HANDS, THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024.

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING  
CASE NO. SP(2025-033)

25 PARKING SPACES  
2 HANDICAP SPACES





# PROJECT COMMENTS



CITY OF ROCKWALL  
385 S. GOLIAD STREET  
ROCKWALL, TEXAS 75087  
PHONE: (972) 771-7700

DATE: 9/22/2025

PROJECT NUMBER: SP2025-039  
PROJECT NAME: Site Plan for NWC of Hwy 205 and Future FM 549  
SITE ADDRESS/LOCATIONS: 3480 S. FM 549, Rockwall, TX 75032

CASE CAPTION: Discuss and consider a request by Keaton Mai of the Dimension Group on behalf of Michael Hampton of Creekside Commons Crossing LP for the approval of a Site Plan for a Restaurant with 2,000 SF or More with Drive-Through on a 0.936-acre parcel of land identified as a portion of Lot 18, Block A, Creekside Commons Addition, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, generally located east of the intersection of S. Goliad Street [SH-205] and FM-549, and take any action necessary.

| DEPARTMENT | REVIEWER  | DATE OF REVIEW | STATUS OF PROJECT |
|------------|-----------|----------------|-------------------|
| PLANNING   | Henry Lee | 09/22/2025     | Needs Review      |

09/22/2025: Please address the following comments (M= Mandatory Comments; I = Informational Comments)

I.1 This is a request for the approval of a Site Plan for a Restaurant with 2,000 SF or More with Drive-Through on a 0.936-acre parcel of land identified as a portion of Lot 18, Block A, Creekside Commons Addition, City of Rockwall, Rockwall County, Texas, zoned Commercial (C) District, generally located east of the intersection of S. Goliad Street [SH-205] and FM-549.

I.2 For questions or comments concerning this case please contact Henry Lee in the Planning Department at (972) 772-6434 or email hlee@rockwall.com.

M.3 For reference, include the case number (SP2025-039) in the lower right-hand corner of all pages of all revised plan submittals. (Subsection 01.02(D), Article 11, UDC)

I.4 The subject property will be required to be plat in order to establish the new lot lines and easements.

M.5 Provide the standard signature block with signature space for the Planning and Zoning Chairman and the Planning Director on all pages of the plans. Also remove the red placeholder text from the signature block. (Subsection 03.04. A, of Article 11)

#### APPROVED:

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

WITNESS OUR HANDS, this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Planning & Zoning Commission, Chairman

\_\_\_\_\_  
Director of Planning and Zoning

M.6 Site Plan.

- (1) Please indicate the centerline for FM-549. (Subsection 03.04. B, of Article 11, UDC)
- (2) Please provide a sidewalk along FM-549. (Subsection 03.04. B, of Article 11, UDC)

- (3) Please clarify if there will be any proposed fencing. If so, please indicate the location, material, and height. (Subsection 08.02. F, of Article 08, UDC)
- (4) Will there be any ground mounted equipment (this includes transformers)? If so, all ground mounted equipment must be screened with five (5) gallon evergreen shrubs. (Subsection 01.05. C, of Article 05, UDC)
- (5) All roof mounted equipment – including vents – must be fully screened by the parapet. (Subsection 01.05. C, of Article 05, UDC)
- (6) In the callout for the dumpster enclosure, include that the gate must opaque and self-latching. Wood gates are not permitted. As a side note, please understand that the dumpster enclosure may not face onto a public roadway. (Subsection 01.05. B, of Article 05, UDC)
- (7) Please remove all signage from the site plan. Signage is approved through a separate permitting process. (Subsection 06.02. F, of Article 05, UDC)

#### M.7 Landscape Plan.

- (1) All shrubs must be a minimum of five (5) gallon. (Subsection 05.03. B, of Article 08, UDC)
- (2) All parking spaces are required to be within 80-feet of a canopy tree. There may be a conflict with the proposed fire hydrant, so keep this requirement in mind. (Subsection 05.03. E, of Article 08, UDC)
- (3) Please provide shrubs along the drive through lane. (Subsection 05.03. E, of Article 08, UDC)
- (4) Please increase the height of the berm and incorporate additional screening shrubs in front of the drive-through exit. (Subsection 05.03. E, of Article 08, UDC)
- (5) Please indicate the height of the proposed berm and extend the berm further west. (Subsection 05.01, of Article 08, UDC)
- (6) Please provide shrubs along the parking spaces that face onto the cross-access drive to reduce headlight glare. (Subsection 05.03. E, of Article 08, UDC)

#### M.8 Photometric Plan

- (1) To limit the impact of the proposed restaurant and the residential across FM-549, please reduce the FC to 0.0 at the property line adjacent to FM-549. In addition, please further reduce the FC along the west and south west property line, in order to reduce glare onto the internal drive. (Subsection 03.03, of Article 07, UDC)
- (2) Are there any proposed wall packs? If so, please indicate them on the photometric plan and provide the cut sheets. (Subsection 03.03, of Article 07, UDC)

#### M.9 Building Elevations

- (1) Please note that any rear portion of the parapet that is visible from offsite, the parapet must be finished with the same materials as the forward-facing façade. (Subsection 04.01. of Article 05, UDC)
- (2) Please note that all roof mounted equipment -- including vents -- must be fully screened by the parapet. (Subsection 01.05. C, Article 05, UDC)
- (3) The building elevations met the majority of the articulation requirements, except for the following:
  - a. Primary Façade: (1) There is not a Secondary Entry/Arch. Element, (2) The Wall Projections are less than five (5) feet.
  - b. Secondary Façades: (1) The Secondary Entry/Arch. Element Width is less than three (3) feet.

These deviations primarily deal with the horizontal articulation or ins-and-outs of the building.

M.10 At this time, based on the materials submitted, staff has identified several changes to the site, landscape, photometric, and building design that require changes. Any required changes that are not made will be an exception/variance. These exceptions/variances must be approved by the Planning and Zoning Commission.

M.11 According to Article 11, Development Application and Review Procedures, of the Unified Development Code (UDC), two (2) compensatory measures (above and beyond the requirements of the UDC) for each exception or variance is required. In order to request an exception or variance, the applicant will need to provide a letter outlining the requested exceptions and required compensatory measures. For every requested exception or variance, two (2) compensatory measures must be provided.

I.12 Please note that failure to address all comments provided by staff by 3:00 PM on October 7, 2025 will result in the automatic denial of the case on the grounds of an incomplete submittal. No refund will be given for cases that are denied due to an incomplete submittal, and a new application and fee will be required to resubmit the case.

I.13 Please note the scheduled meetings for this case:

- (1) Planning & Zoning meeting/work session meeting will be held on September 30, 2025.
- (2) Planning & Zoning meeting/public hearing meeting will be held on October 14, 2025.

I.14 All meetings will be held in person and in the City's Council Chambers. All meetings listed above are scheduled to begin at 6:00 p.m. (P&Z). The City requires that a

representative(s) be present for these meetings. During the upcoming work session meeting with the Planning and Zoning Commission, representative(s) are required to present their case and answer any questions the Planning Commission may have regarding this request.

| DEPARTMENT  | REVIEWER      | DATE OF REVIEW | STATUS OF PROJECT    |
|-------------|---------------|----------------|----------------------|
| ENGINEERING | Madelyn Price | 09/17/2025     | Approved w/ Comments |

- 09/17/2025: 1. Remove all signage. Permitted separately through Building Department  
2. Sidewalk required along FM549  
3. Will need an off-site 20' easement  
4. Fire hydrant to have 5' clearance around (5' from curb). Median will need to be a minimum of 10' wide  
5. Water main will have to be looped.  
6. All hydrants and water meters must be in a 20' utility easement.  
7. Dumpster cannot be accessed by trash trucks when there are vehicles in the drive thru.  
8. All proposed plantings cannot be within water easements. This is the same location as the proposed hydrant.

General Items:

- Must meet City 2023 Standards of Design and Construction
- 4% Engineering Inspection Fees
- Impact Fees (Water, Sewer, Roadway)
- Minimum easement width is 20' for new easements. No structures, including walls, allowed in easements.
- Retaining walls 3' and over must be engineered.
- All retaining walls (18" or taller) must be rock or stone face. No smooth concrete walls.
- No signage is allowed within easements or ROW.
- No structures or fences allowed within easements.
- The site will need to be platted if changing existing easements or adding easements.
- All utilities must be underground.
- Additional comments may be provided at the time of Site Plan and Engineering review.

Drainage Items:

- Existing flow patterns must be maintained. The entire site must continue to drain to the existing detention pond in the back of the site.
- Detention is already provided for this site.
- The property owner will be responsible for maintaining, repair, and replacement of the drainage systems.
- Grate inlets are not allowed.
- No vertical walls allowed in detention or drainage easements.
- No public water or sanitary sewer allowed in detention or drainage easements.
- FFE for all buildings must be called out when adjacent to a detention system or drainage swale. FEE must be a minimum 2' above the 100-year WSEL for the detention system and drainage swale.
- Dumpster areas to drain to oil/water separator and then to the storm lines.

Water and Wastewater Items:

- Site plan must show existing/proposed utility lines (Water, Sewer, etc.)
- Public sewer to be 8" minimum.
- Commercial sanitary sewer service line size is minimum 6" and must connect to an existing or proposed manhole.
- There is an existing 8" sewer main available for use on the southwest side of the site.
- There is also an existing 12" water main located on the other side of FM 549. Crossing will have to be by dry bore, steel encased, and have a TxDOT permit for the crossing. City will apply for permit.
- Any public water lines must be a minimum of 8", looped, and must be centered within a 20' wide easement.
- Any utility connection made underneath of an existing roadway must be completed by dry bore. Opening cutting will not be allowed.
- Only one "use" off a dead-end line (domestic, irrigation, fire sprinkler, fire hydrant, etc.)



- Min 20' utility easements.
- Water to be 10' separated from storm and sewer lines.
- All public utilities must be centered in easement.

Roadway Paving Items:

- Must meet City driveway spacing requirements.
- All parking, storage, drive aisles must be reinforced concrete. (No rock, gravel, or asphalt allowed).
- All Parking to be 20'x9' minimum. Parking may not be off a public Roadway. Vehicle must not be required to back onto a public roadway, including trash trucks.
- No dead-end parking allowed without an City approved turnaround.
- Drive isles to be 24' wide.
- Fire lane (if needed) to be 24' wide and in a platted easement.
- Fire lane (if needed) to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum.

Landscaping:

- No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
- No trees to be with 5' of any public water, sewer, or storm line that is less than 10".
- Landscape berms may not be on top of City utilities or within easements.

| DEPARTMENT  | REVIEWER     | DATE OF REVIEW | STATUS OF PROJECT |
|-------------|--------------|----------------|-------------------|
| BUILDING    | Craig Foshee | 09/19/2025     | Approved          |
| No Comments |              |                |                   |

| DEPARTMENT  | REVIEWER       | DATE OF REVIEW | STATUS OF PROJECT |
|-------------|----------------|----------------|-------------------|
| FIRE        | Ariana Kistner | 09/17/2025     | Approved          |
| No Comments |                |                |                   |

| DEPARTMENT   | REVIEWER        | DATE OF REVIEW | STATUS OF PROJECT    |
|--|-----------------|----------------|----------------------|
| GIS  | Lance Singleton | 09/15/2025     | Approved w/ Comments |
| 09/15/2025: Address will be 3480 S. FM 549, Rockwall, TX 75032 |                 |                |                      |

| DEPARTMENT  | REVIEWER        | DATE OF REVIEW | STATUS OF PROJECT |
|-------------|-----------------|----------------|-------------------|
| POLICE      | Chris Cleveland | 09/15/2025     | Approved          |
| No Comments |                 |                |                   |

| DEPARTMENT  | REVIEWER     | DATE OF REVIEW | STATUS OF PROJECT    |
|---|--------------|----------------|----------------------|
| PARKS   | Travis Sales | 09/15/2025     | Approved w/ Comments |
| 09/15/2025: Ensure that all paring spaces are within 80' of tree canopy |              |                |                      |

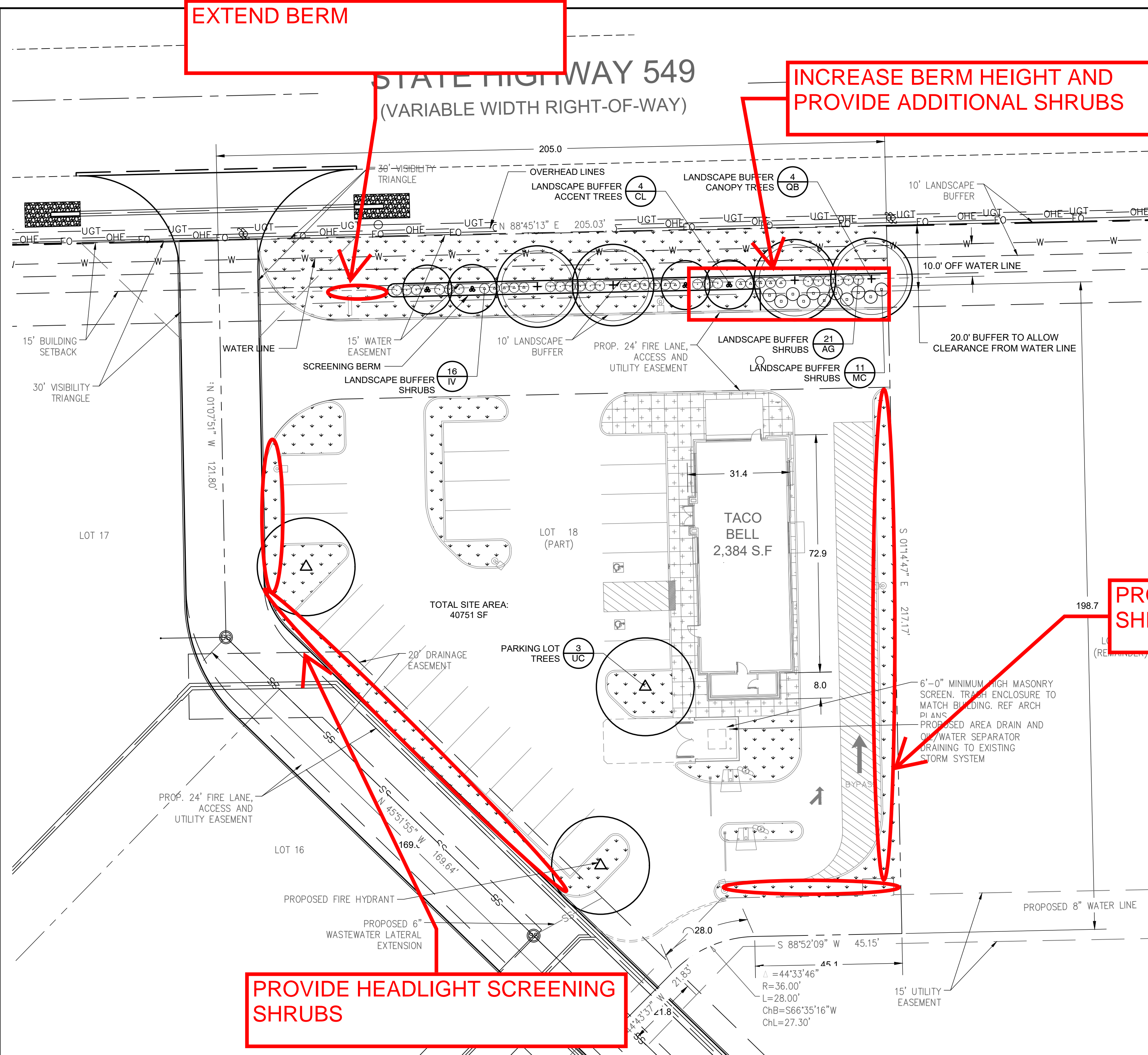
There are better species of turfgrass than Tifway 419 Bermuda that are more drought, cold, wear and shade tolerant such as Tif Tuf or Tahoma 31

EXTEND BERM

INCREASE BERM HEIGHT AND PROVIDE ADDITIONAL SHRUBS

PROVIDE HEADLIGHT SCREENING SHRUBS ALONG DRIVE-THROUGH

PROVIDE HEADLIGHT SCREENING SHRUBS



LANDSCAPE CALCULATIONS

PERMITTING AUTHORITY: CITY OF ROCKWALL, TX  
 ZONING: C  
 ADJACENT ZONING: C

**OVERALL**  
 TOTAL SITE AREA: 40,751 SF  
 LANDSCAPE AREA REQUIRED: 8,150 SF (20% OF SITE AREA)  
 LANDSCAPE AREA PROVIDED: 8,594 SF  
 % OF REQ. AREA IN FRONT AND SIDE YARDS: 91.7% (MIN 50%)  
 IMPERVIOUS AREA ON SITE: 32,157 SF

**LANDSCAPE BUFFER ALONG S FM 549, MIN. WIDTH 10'**  
 LENGTH OF FRONTAGE: 192 LF (NOT INCL WIDTH OF DRIVEWAY)  
 CANOPY TREES REQUIRED: 4 CANOPY TREES (1 PER 50 LF)  
 CANOPY TREES PROVIDED: 4 CANOPY TREES  
 ACCENT TREES REQUIRED: 4 ACCENT TREES (1 PER 50 LF)  
 ACCENT TREES PROVIDED: 4 ACCENT TREES  
 SHRUBS REQUIRED: 48 SHRUBS PROVIDED  
 BERM REQUIRED: TO BE SHOWN ON GRADING PLAN  
 NOTE: ADDITIONAL SHRUBS HAVE BEEN ADDED TO PROVIDE AN ENHANCED SCREEN AT THE DRIVE THROUGH.

**PARKING LOT HEAD LIGHT SCREENING**  
 NOT APPLICABLE - NO HEAD IN PARKING SPACES ARE ADJACENT TO A STREET.

**PARKING LOT LANDSCAPING**  
 SIZE OF PARKING AND MANEUVERING AREA: 22,382 SF  
 QUANTITY OF PARKING SPACES: 27 PARKING SPACES  
 CANOPY TREES REQUIRED: 3 CANOPY TREES (1 PER 10 PARKING SPACES)  
 CANOPY TREES PROVIDED: 3 CANOPY TREES  
 NOTE: NO PARKING SPACE MAY BE MORE THAN 80 LF FROM THE TRUNK OF A CANOPY TREE.

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
  - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
  - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
- ALL PLANT LOCATIONS ARE DIAGNOSTIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
  - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
  - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
  - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- CONTRACTOR SHALL PROVIDE AND INSTALL SOLID SOD IN ALL RIGHT-OF-WAYS AND PARKWAYS (UNLESS NOT ALLOWED BY THE LOCAL JURISDICTION) AND SHALL PROVIDE WATERING AND MAINTENANCE UNTIL THE TURF IS ESTABLISHED AND HAS BEEN ACCEPTED BY OWNER.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING, CURBS, WATER, STORM, OR SANITARY SEWER UTILITIES. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO LANDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 2" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), OVER LANDSCAPE FABRIC IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

PLANTING & IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

| PLANT SCHEDULE |     |         |                                      |                               |              |          |
|----------------|-----|---------|--------------------------------------|-------------------------------|--------------|----------|
| SYMBOL         | KEY | QTY     | BOTANICAL NAME                       | COMMON NAME                   | SIZE         | SPACING  |
| TREES          |     |         |                                      |                               |              |          |
| ⊙              | CL  | 4       | CHILOPSIS LINEARIS 'TIMELESS BEAUTY' | TIMELESS BEAUTY DESERT WILLOW | MIN. 4' HT.  | PER PLAN |
| ⊙              | QB  | 4       | QUERCUS BUCKLEYI                     | TEXAS RED OAK                 | MIN. 4" CAL. | PER PLAN |
| ⊙              | UC  | 3       | ULMUS CRASSIFOLIA                    | CEDAR ELM                     | MIN. 4" CAL. | PER PLAN |
| SHRUBS         |     |         |                                      |                               |              |          |
| ⊙              | AG  | 21      | ABELIA GRINDIFOLIA 'ROSE CREEK'      | ROSE CREEK ABELIA             | 3 GAL.       | 2' O.C.  |
| ⊙              | IV  | 16      | ILEX VOMITORIA 'NANA'                | DWARF YAUPON HOLLY            | 3 GAL.       | 3' O.C.  |
| ⊙              | MC  | 11      | MYRICA CERIFERA 'DON'S DWARF'        | DON'S DWARF WAX MYRTLE        | 3 GAL.       | 4' O.C.  |
| GROUNDCOVER    |     |         |                                      |                               |              |          |
| ⊙              |     | 7728 SF | SOD: TIFWAY 419                      | BERMUDA GRASS                 | SOD          |          |

IRRIGATION CONCEPT

- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED IRRIGATION CONTRACTOR.
- THE IRRIGATION SYSTEM WILL MEET THE REQUIREMENTS OF THE UDC.
- THE IRRIGATION SYSTEM WILL OPERATE ON POTABLE WATER, AND THE SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE POTABLE SOURCE.
- ALL NON-TURF PLANTED AREAS SHALL BE DRIP IRRIGATED. SODDED AND SEEDED AREAS SHALL BE IRRIGATED WITH SPRAY OR ROTOR HEADS AT 100% HEAD-TO-HEAD COVERAGE.
- ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR AND SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.

**CAUTION NOTICE TO CONTRACTORS**  
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.



09-11-2025

BY: [Signature]  
 DATE: 09-11-2025

| DATE       | REVISION DESCRIPTION | BY | DESIGNED BY | DRAWN BY | APPROVED BY |
|------------|----------------------|----|-------------|----------|-------------|
| 09-11-2025 |                      | LC | LC          | LC       | SS          |

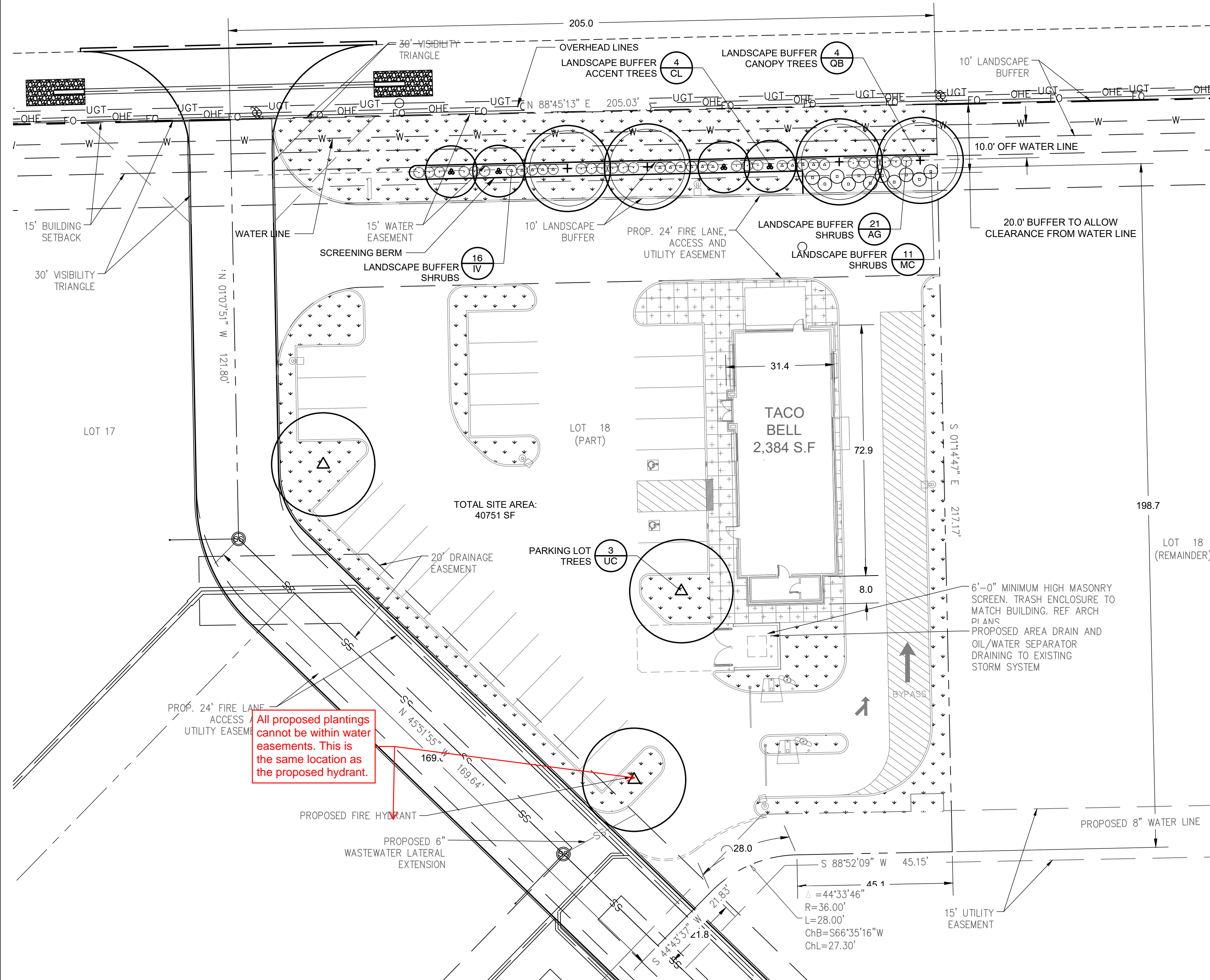
LANDSCAPE PLANTING PLAN  
 TACO BELL  
 NWC STATE HIGHWAY 205 AND FM 549  
 ROCKWALL, TEXAS 75082

SHEET LP-1





# STATE HIGHWAY 549 (VARIABLE WIDTH RIGHT-OF-WAY)



All proposed plantings cannot be within water easements. This is the same location as the proposed hydrant.

### IRRIGATION CONCEPT

1. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED IRRIGATION CONTRACTOR.
2. THE IRRIGATION SYSTEM WILL MEET THE REQUIREMENTS OF THE UDC.
3. THE IRRIGATION SYSTEM WILL OPERATE ON POTABLE WATER, AND THE SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE POTABLE SOURCE.
4. ALL NON-TURF PLANTED AREAS SHALL BE DRIP IRRIGATED. SODDED AND SEEDED AREAS SHALL BE IRRIGATED WITH SPRAY OR ROTOR HEADS AT 100% HEAD-TO-HEAD COVERAGE.
5. ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
6. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR AND SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.

**CAUTION NOTICE TO CONTRACTORS**  
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.



### LANDSCAPE CALCULATIONS

PERMITTING AUTHORITY: CITY OF ROCKWALL, TX  
 ZONING: C  
 ADJACENT ZONING: C

**OVERALL**  
 TOTAL SITE AREA: 40,751 SF  
 LANDSCAPE AREA REQUIRED: 8,150 SF (20% OF SITE AREA)  
 LANDSCAPE AREA PROVIDED: 8,594 SF  
 % OF REQ. AREA IN FRONT AND SIDE YARDS: 91.7% (MIN 50%)  
 IMPERVIOUS AREA ON SITE: 32,157 SF

**LANDSCAPE BUFFER ALONG S FM 549, MIN. WIDTH 10'**  
 LENGTH OF FRONTAGE: 192 LF (NOT INCL WIDTH OF DRIVEWAY)  
 CANOPY TREES REQUIRED: 4 CANOPY TREES (1 PER 50 LF)  
 CANOPY TREES PROVIDED: 4 CANOPY TREES  
 ACCENT TREES REQUIRED: 4 ACCENT TREES (1 PER 50 LF)  
 ACCENT TREES PROVIDED: 4 ACCENT TREES  
 SHRUBS REQUIRED: 48 SHRUBS PROVIDED  
 BERM REQUIRED: TO BE SHOWN ON GRADING PLAN  
 NOTE: ADDITIONAL SHRUBS HAVE BEEN ADDED TO PROVIDE AN ENHANCED SCREEN AT THE DRIVE THROUGH.

**PARKING LOT HEAD LIGHT SCREENING**  
 NOT APPLICABLE - NO HEAD IN PARKING SPACES ARE ADJACENT TO A STREET.

**PARKING LOT LANDSCAPING**  
 SIZE OF PARKING AND MANEUVERING AREA: 22,382 SF  
 QUANTITY OF PARKING SPACES: 27 PARKING SPACES  
 CANOPY TREES REQUIRED: 3 CANOPY TREES (1 PER 10 PARKING SPACES)  
 CANOPY TREES PROVIDED: 3 CANOPY TREES  
 NOTE: NO PARKING SPACE MAY BE MORE THAN 80 LF FROM THE TRUNK OF A CANOPY TREE.

### GENERAL GRADING AND PLANTING NOTES

1. BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
3. IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
  - a. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
  - b. CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
  - c. THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
  - d. ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - e. ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - f. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
4. ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
  - a. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
  - b. NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
  - c. THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
5. CONTRACTOR SHALL PROVIDE AND INSTALL SOLID SOD IN ALL RIGHT-OF-WAYS AND PARKWAYS (UNLESS NOT ALLOWED BY THE LOCAL JURISDICTION) AND SHALL PROVIDE WATERING AND MAINTENANCE UNTIL THE TURF IS ESTABLISHED AND HAS BEEN ACCEPTED BY OWNER.
6. THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
7. SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

### ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING, CURBS, WATER, STORM, OR SANITARY SEWER UTILITIES. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO LANDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

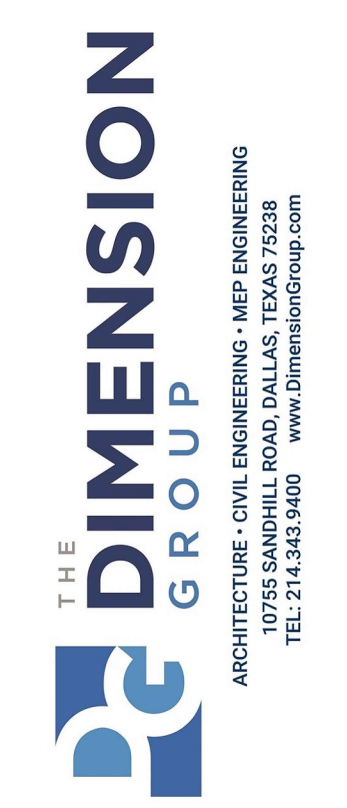
### MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 2" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), OVER LANDSCAPE FABRIC IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

### PLANTING & IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

| PLANT SCHEDULE |     |         |                                      |                               |              |          |
|----------------|-----|---------|--------------------------------------|-------------------------------|--------------|----------|
| SYMBOL         | KEY | QTY     | BOTANICAL NAME                       | COMMON NAME                   | SIZE         | SPACING  |
| TREES          |     |         |                                      |                               |              |          |
| ⊙              | CL  | 4       | CHILOPSIS LINEARIS 'TIMELESS BEAUTY' | TIMELESS BEAUTY DESERT WILLOW | MIN. 4' HT.  | PER PLAN |
| ⊙              | QB  | 4       | QUERCUS BUCKLEYI                     | TEXAS RED OAK                 | MIN. 4" CAL. | PER PLAN |
| ⊙              | UC  | 3       | ULMUS CRASSIFOLIA                    | CEDAR ELM                     | MIN. 4" CAL. | PER PLAN |
| SHRUBS         |     |         |                                      |                               |              |          |
| ⊙              | AG  | 21      | ABELIA GRINDIFOLIA 'ROSE CREEK'      | ROSE CREEK ABELIA             | 3 GAL.       | 2' O.C.  |
| ⊙              | IV  | 16      | ILEX VOMITORIA 'NANA'                | DWARF YAUPON HOLLY            | 3 GAL.       | 3' O.C.  |
| ⊙              | MC  | 11      | MYRICA CERIFERA 'DON'S DWARF'        | DON'S DWARF WAX MYRTLE        | 3 GAL.       | 4' O.C.  |
| GROUNDCOVER    |     |         |                                      |                               |              |          |
| ⊙              |     | 7728 SF | SOD: TIFWAY 419                      | BERMUDA GRASS                 | SOD          |          |



09-11-2025

REVISION DESCRIPTION

| # | DATE | BY | REVISION DESCRIPTION |
|---|------|----|----------------------|
|   |      |    |                      |
|   |      |    |                      |
|   |      |    |                      |

LANDSCAPE PLANTING PLAN

TACO BELL  
NWC STATE HIGHWAY 205 AND FM 549  
ROCKWALL, TEXAS 75082

PROJECT NO. 250-340  
DATE 09-11-2025  
DWG.

drawn by LC  
designed by LC  
approved by SS

SHEET LP-1



# DEVELOPMENT APPLICATION

City of Rockwall  
Planning and Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087

STAFF USE ONLY

PLANNING & ZONING CASE NO.

**NOTE:** THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING:

CITY ENGINEER:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST [SELECT ONLY ONE BOX]:

### PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE) <sup>1</sup>
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE) <sup>1</sup>
- FINAL PLAT (\$300.00 + \$20.00 ACRE) <sup>1</sup>
- REPLAT (\$300.00 + \$20.00 ACRE) <sup>1</sup>
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

### SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE) <sup>1</sup>
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

### ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE) <sup>1</sup>
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE) <sup>1 & 2</sup>
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE) <sup>1</sup>

### OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00) <sup>2</sup>

### NOTES:

<sup>1</sup>: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.  
<sup>2</sup>: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

## PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS NWC of Hwy 205 and Future FM 549

SUBDIVISION Creekside Commons

LOT 18 BLOCK A

GENERAL LOCATION NWC of Hwy 205 and Future FM 549

## ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING Commercial (C)

CURRENT USE Undeveloped

PROPOSED ZONING Commercial (C)

PROPOSED USE Restaurant w/ drive-through

ACREAGE 0.936

LOTS [CURRENT] 1

LOTS [PROPOSED] 1

- SITE PLANS AND PLATS:** BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS. AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

## OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER Creekside Commons Crossing LP

APPLICANT The Dimension Group

CONTACT PERSON Michael Hampton

CONTACT PERSON Keaton Mai

ADDRESS

ADDRESS

CITY, STATE & ZIP

CITY, STATE & ZIP

PHONE

PHONE

E-MAIL

E-MAIL

## NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED Michael Hampton [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

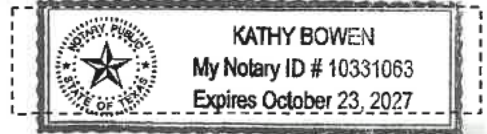
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ 275 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 5th DAY OF September, 2025 BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 5th DAY OF September 2025

OWNER'S SIGNATURE

[Signature]  
Kathy Bowen

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS



MY COMMISSION EXPIRES 10/23/27




SP2025-039: Site Plan for Taco Bell

PD-63

SFM549 549



C

Case Location Map = 



# City of Rockwall

Planning & Zoning Department  
385 S. Goliad Street  
Rockwall, Texas 75087  
(P): (972) 771-7745  
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





**Valley Bell Enterprises, LLC**

101 E. Cherokee St.  
Jacksonville, TX 75766  
Phone (903) 586-1524  
Fax (903) 586-9644

September 9, 2025

City of Rockwall  
Attn: Planning Department  
385 S. Goliad  
Rockwall, Texas 75087  
**Via Hand Delivery**

RE: Variance Request Letter for Proposed Taco Bell at Creekside Commons in South Rockwall

To Whom it May Concern:

Valley Bell Enterprises, LLC ("VBE") proposes to construct a Taco Bell with a drive through to be located on a portion of Lot 18 in the Creekside Commons Addition in south Rockwall. The property is approximately 0.936 acres. VBE will develop and then lease the property to Southern Multifoods, LLC, a Taco Bell franchisee with 121 locations in Texas, including the restaurant locations in Lavon, Royse City, and Fate. Southern Multifoods, LLC has also operated the Taco Bell on Ridge Road in Rockwall for over twenty years and wishes to open a second location in Rockwall to serve more members of the community. Drew Durrett is the controlling manager of both VBE and Southern Multifoods, LLC.

In connection with the Planning and Zoning Commission hearing on September 30, 2025, please find enclosed the following information:

1. Site Plan
2. Landscape Plan
3. Photometric Plan
4. Lighting Cut Sheets
5. Building Elevations Plans
6. Material Sample Board

It is VBE's intention to satisfy all the City's ordinances and also match the building materials used by McDonald's and 7-Eleven currently operating in the Creekside Commons development. However, VBE recognizes that the Taco Bell building does not meet the City's ordinance requiring all structures less than 6,000 square feet to have a pitched roof system. Therefore, VBE is respectfully requesting a variance to this ordinance and is proposing the following compensatory measures:



1. Roof ladder and hatch will be located internally and invisible from public view.
2. The front / primary public right of way elevation consists of 48% stone.
3. All four elevations consist of more than City minimum 90% masonry requirement.
4. Projection length of entry elements on front and side elevations exceeds minimum required.
5. Extra elements (Pilasters) added to side entry elevation, pre-pay window on drive-thru elevation, and rear building corner
6. Provide a 25' landscape buffer along FM 549 (exceeding the 10' required landscape buffer) to comply with staff's recommendation to provide sufficient planting space outside of the existing utility easements.

Thank you for your consideration, and we look forward to discussing our project further with the City. Should you have any questions or need any additional information, please do not hesitate to contact me at 903-589-2005.

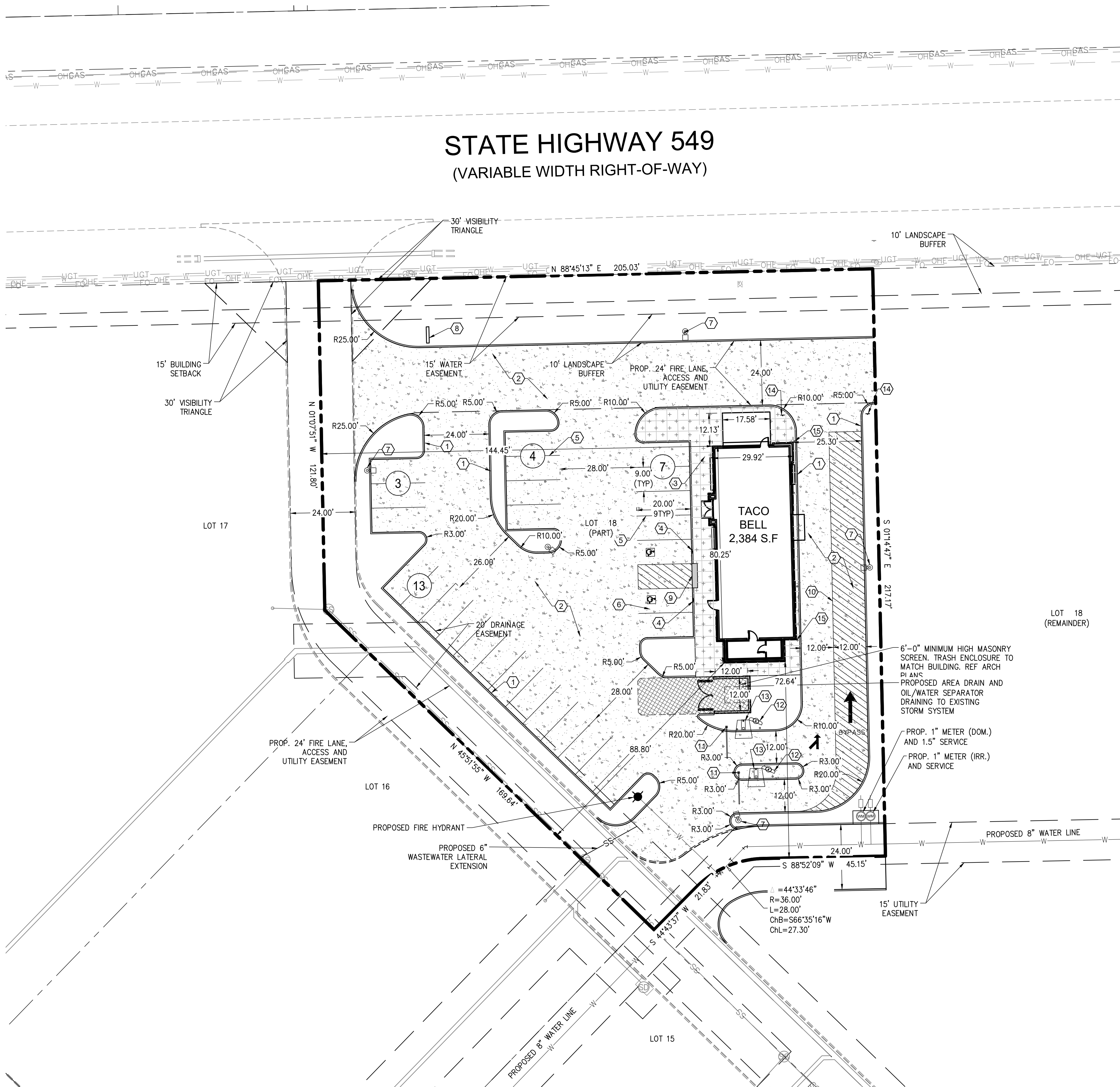
Regards,



Michael A. Stansberry  
Director of Development, General Counsel

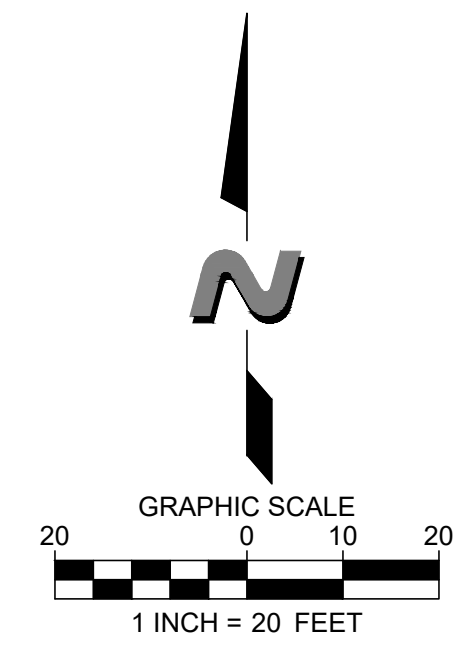
MAS

Enclosures



**SITE PLAN KEYNOTES:**

- 1 CONSTRUCT 6" CURB & GUTTER
- 2 CONSTRUCT 6" CONCRETE PAVEMENT SECTION
- 3 INSTALL SIDEWALK PAVEMENT
- 4 INSTALL HANDICAP VAN AND CAR SIGN
- 5 4" WHITE PAVEMENT SOLID PARKING STRIPES
- 6 HANDICAP VAN PARKING
- 7 STANDARD AREA LIGHT POLE
- 8 MONUMENT SIGN
- 9 NEW BARRIER FREE RAMPS
- 10 PROPOSED ESCAPE LANE
- 11 CLEARANCE BAR
- 12 MENU BOARD
- 13 ORDER SPEAKER
- 14 "ONE WAY DO NOT ENTER" SIGN
- 15 PROPOSED 4" BOLLARD



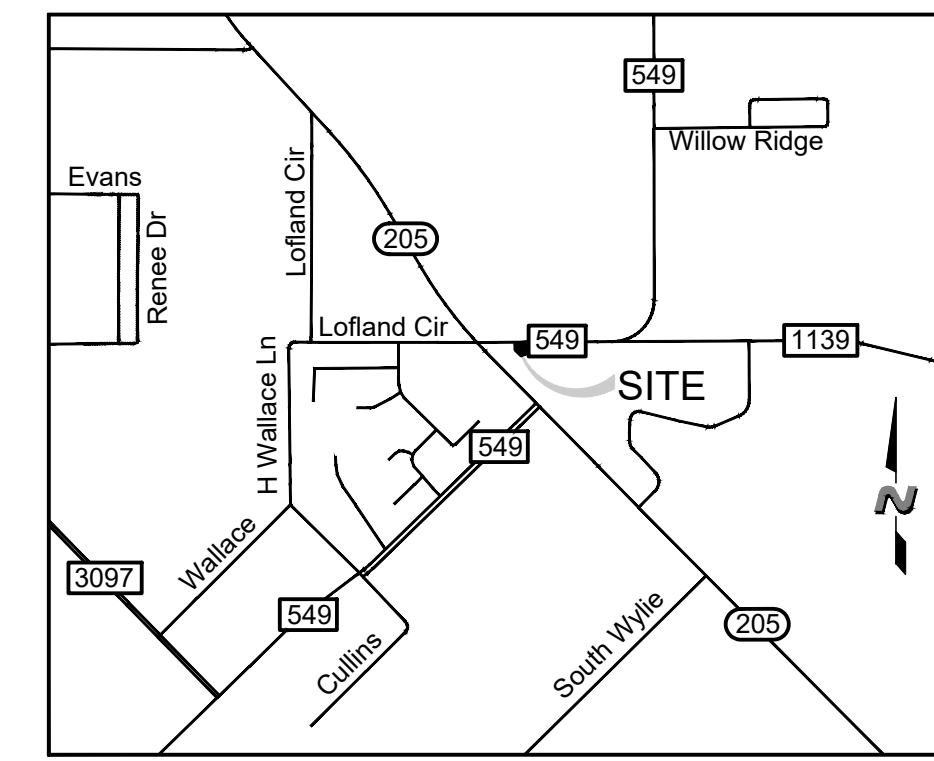
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

**GENERAL NOTES**

1. The contractor shall assume sole and complete responsibility for his means and methods of construction, job site conditions and job site safety, including safety of all persons and property. This requirement shall apply continuously and not be limited to working hours. The contractor shall save, protect, indemnify defend and hold harmless the owner, the architect and the engineer from any claim of liability, real or alleged, arising out of the performance of any work on this project. The contractor shall name the owner, the architect and the engineer as "additional insured" on his insurance policies.
2. Existing above ground utilities have been shown based on information shown on a survey of the property. Underground utilities are shown based on recorded data and may not be complete or exact. The contractor shall be responsible for verifying the locations and depths of all above ground and underground utilities prior to construction. The contractor shall be responsible for damage to existing above ground or underground utilities, including those not shown on the plans. The contractor is advised to contact the city and all franchise utility companies, easement holders, etc. at least 48 hours prior to beginning excavation in the vicinity of any underground utility.
3. The contractor shall comply with all building codes and regulations, federal, state, county, and city safety codes and inspection requirements.
4. The contractor shall provide dust protection during construction. All trash and debris shall be picked up at all times. Commercial construction debris/solid waste hauler permit required.
5. There will be no outside storage or above ground storage tanks. (Subsection 01.05, of Article 05, UDC)
6. Per the Engineering Standards of Design and Construction, dumpster areas will need to drain to oil/water separator and then to storm lines.

| USE                       | COMMERCIAL (DRIVE-THRU RESTAURANT) |
|---------------------------|------------------------------------|
| LOT AREA                  | 40,751.89 S.F. (0.936 ACRES)       |
| BUILDING SQUARE FOOTAGE   | 2,384 S.F.                         |
| FAR                       | 0.06:1                             |
| BUILDING HEIGHT           | 23'-0"                             |
| TOTAL PERVIOUS COVER      | 8,743 S.F. OR 21%                  |
| TOTAL IMPERVIOUS COVER    | 32,008 S.F. OR 79%                 |
| PARKING REQUIRED          | 27 SPACES (1/100 G.F.A.)           |
| PARKING PROVIDED          | 27 SPACES                          |
| HANDICAP PARKING REQUIRED | 2 SPACES                           |
| HANDICAP PARKING PROVIDED | 2 SPACES                           |

| PAVING LEGEND |  |
|---------------|--|
|               | PARKING AREA<br>6" THICK 4000 P.S.I. #4 REBAR AT 18" O.C.E.W. (6.5 SACK MIX) |
|               | DUMPSTER PAD<br>7" THICK 4000 P.S.I. #4 REBAR AT 18" O.C.E.W. (6.5 SACK MIX) |
|               | SIDEWALK<br>4" THICK 3000 P.S.I. #3 REBAR AT 24" O.C.E.W. (6.5 SACK MIX)     |



**SITE PLAN**  
 LOT 18, BLOCK A, CREEKSIDE COMMONS ADDITION  
 NWC STATE HIGHWAY 205 & F.M. 549  
 A 0.936 ACRE TRACT OF LAND IN THE WILLIAM W. FORD SURVEY, ABST. NO 80  
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS  
 CITY PROJECT #SP2025-xxx  
 September 11, 2025

APPROVED:  
 I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_ day of \_\_\_\_, 2025.  
 WITNESS OUR HANDS, this \_\_\_\_ day of \_\_\_\_, 2025.  
 \_\_\_\_\_  
 Planning & Zoning Commission, Chairman      Director of Planning and Zoning

**CITY OF ROCKWALL MONUMENTS**  
 COR-8: ALUMINUM DISK STAMPED "CITY OF ROCKWALL SURVEY MONUMENT" AT THE NORTHERLY INTERSECTION OF SILVER VIEW LANE AND DIAMOND WAY DRIVE ±1 FOOT NORTH OF CURB LINE IN CENTER OF CURVE.  
 N: 7018063.113, E: 2609533.682 ELEVATION: 600.48'  
 COR-9: BRASS DISK STAMPED "CITY OF ROCKWALL SURVEY MONUMENT" ON THE SOUTH SIDE OF DISCOVERY BOULEVARD AT THE SOUTHEAST CORNER OF CURB INLET ±180 FOOT EAST INTERSECTION OF DISCOVERY/CORPORATE.  
 N: 7020550.132, E: 2607463.893 ELEVATION: 595.63'

**ENGINEER/APPLICANT**  
 THE DIMENSION GROUP  
 10755 SANDHILL ROAD  
 DALLAS, TX, 75238  
 PHONE: (214) 343-9400  
 CONTACT: KEATON L. MAI, PE

**OWNER**  
 PRUDENT DEVELOPMENT  
 10755 SANDHILL ROAD  
 DALLAS, TEXAS 75238  
 PHONE: (214) 271-4630  
 CONTACT: MICHAEL HAMPTON

**DEVELOPER**  
 VALLEY BELLS ENTERPRISES, LLC  
 101 E. CHEROKEE STREET  
 JACKSONVILLE, TX 75766  
 PHONE: (903) 586-1524  
 CONTACT: MIKE STRANSBERRY

**CAUTION NOTICE TO CONTRACTORS**  
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATED ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.



THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW UNDER THE AUTHORITY OF KEATON L. MAI, P.E. 125077 ON 9/11/2025. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.

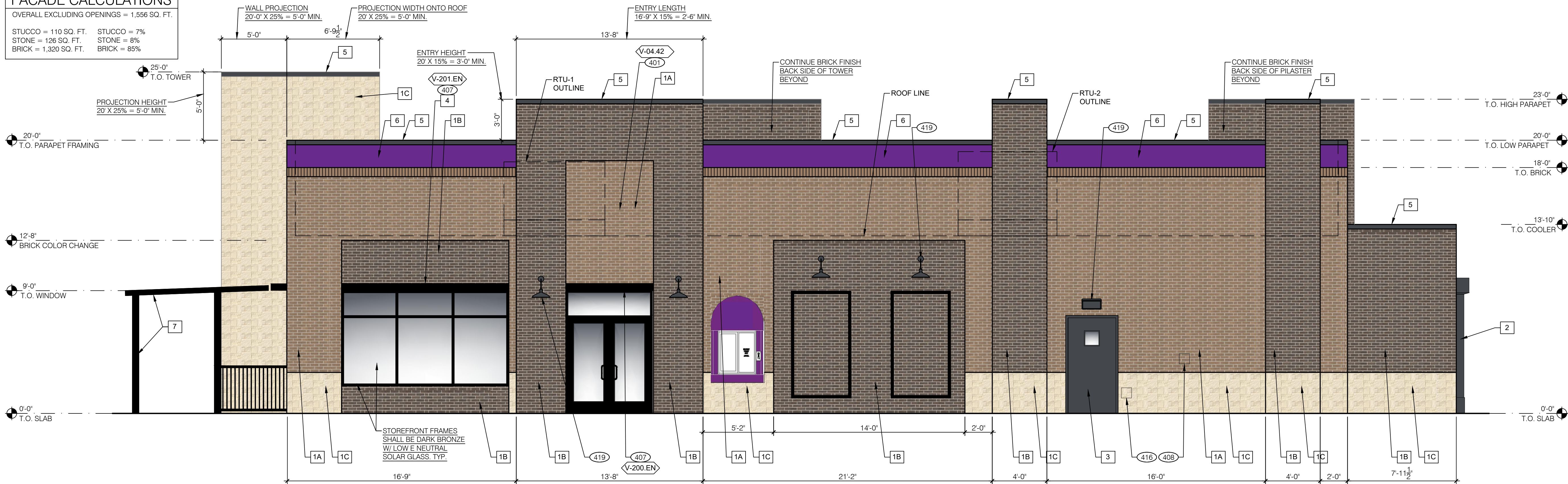
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**SITE PLAN**  
 TACO BELL  
 NWC STATE HIGHWAY 205 & FM 549  
 ROCKWALL, TEXAS 75032

**SHEET**  
**C3.0**

[24x36] (Taco Bell) [V-BASE.dwg] [C-BASE-PRUDENT.dwg] [C-BASE-PRUDENT.dwg] [C-BASE-PRUDENT.dwg] [C-BASE-PRUDENT.dwg]  
 Drawing name: L:\Miscellaneous\250-340 - Rockwall, TX - Creekside Commons (Taco Bell)\02\_Civil\CAD\_Sheet\C3.0 SITE PLAN.dwg Sep. 11. 2025 - 4:31pm

**FACADE CALCULATIONS**  
 OVERALL EXCLUDING OPENINGS = 1,556 SQ. FT.  
 STUCCO = 110 SQ. FT. STUCCO = 7%  
 STONE = 126 SQ. FT. STONE = 8%  
 BRICK = 1,320 SQ. FT. BRICK = 85%



**SIDE ELEVATION - WEST - SECONDARY BUILDING FACADE** 1/4" = 1'-0" **1**

**PAINTING**  
 APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION.  
 PRIMER: 1 COAT SW A24W8300  
 FINISH: 2 COATS SW A82-100 SERIES. MATCH COLORS FROM MATERIAL SCHEDULE.  
 A-100 EXTERIOR LATEX SATIN.

| TYPE MARK              | QTY | ITEM DESCRIPTION                                      | LOC  |
|------------------------|-----|---|------|
| <b>TOWER</b>           |     |   |      |
| V-09.14W               | 2   | 14" WHITE CHANNEL LETTERS VERTICAL                    | A4.1 |
| <b>SIDE ENTRY</b>      |     |   |      |
| V-04.42                | 2   | 42" SWINGING BELL PURPLE LOGO FACE LIT                | A4.1 |
| V-200.EN               | 1   | SIDE ENTRY AWNING 6'4" X 4'0" BLACK                   | A4.0 |
| <b>DRIVE THRU</b>      |     |   |      |
| V-101.DT               | 1   | DT AWNING (OVER DT) 9'0" X 4'0" BLACK                 | A4.1 |
| V-102.DT               | 1   | DT AWNING (OVER DT) 4'0" X 4'0" BLACK                 | A4.1 |
| <b>EYEBROW AWNINGS</b> |     |   |      |
| V-202.EN               | 1   | FRONT EYEBROW (WINDOW) 13'8" X 6" H X 1'4" D BLACK    | A4.1 |
| V-203.EN               | 1   | DT EYEBROW (WINDOW) 7'8" L X 6" H X 1'4" D BLACK      | A4.1 |
| V-201.EN               | 1   | SIDE ENTRY EYEBROW (WINDOW) 12' L 6" H X 1'4" D BLACK | A4.0 |

**MISCELLANEOUS**  
 A. SEE SHEET A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.  
**SEALERS (REFER TO SPECS)**  
 A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.  
 B. SEALANT AT ALL WINDOW AND DOOR FRAMES AND JAMB. DO NOT SEAL SILL @ WINDOWS.  
 C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING AND CANOPY.

**CRITICAL DIMENSIONS**  
 A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD SIGNAGE/BUILDING ELEMENTS DIMENSIONS.

NOTE: NO EXTERIOR SIGNS ARE WITHIN THE SCOPE OF WORK COVERED BY THE BUILDING PERMIT APPLICATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EXTERIOR SIGNS AND INSTALLATION OF REQUIRED BLOCKING AND ELECTRICAL CONNECTIONS FOR FINAL APPROVED SIGNS.

- 401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
- 407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL, SEE ELECTRICAL PLANS.
- 408 CO2 FILLER VALVE & COVER.
- 416 HOSE BIB BOX AT 18" A.F.F.
- 419 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

**KEY NOTES** **A**

| DATE | REMARKS |
|------|---------|
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|      |         |
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PLAN DATE: 09-08-25  
 BUILDING TYPE: END. MED40  
 PLAN VERSION: SEPT. 2023  
 BRAND DESIGNER: TBD  
 SITE NUMBER: TBD  
 STORE NUMBER: TBD  
 PA/PM: LS  
 DRAWN BY.: WCS  
 JOB NO.: 25602

**TACO BELL**  
 LOT 18, BLOCK A,  
 CREEKSIDE COMMONS  
 NWC STATE HWY 205 & FM 549  
 ROCKWALL, TX

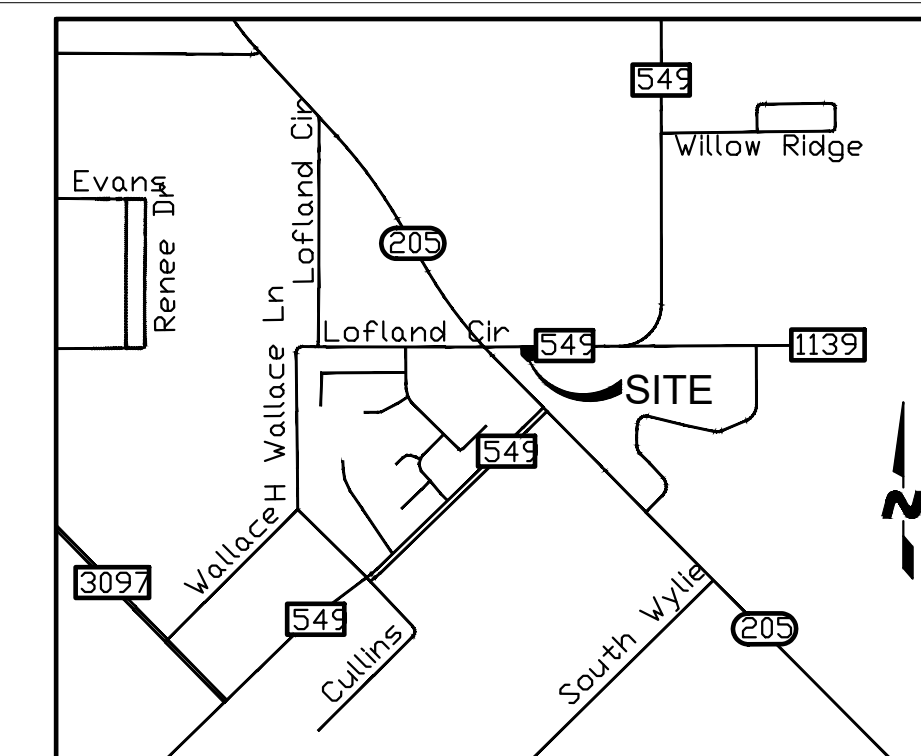


ENDEAVOR 2.0  
 EXTERIOR  
 ELEVATIONS

**A4.0**

| SYMBOL | ITEM/MATERIAL         | MANUFACTURER   | COLOR                                 |
|--------|-----------------------|----------------|---------------------------------------|
| 1A     | BRICK                 | ACME BRICK     | MUSHROOM BROWN                        |
| 1B     | BRICK                 | ACME BRICK     | EBONY                                 |
| 1C     | STONE                 | BLACKSON BRICK | COTTONWOOD (VERIFY)                   |
| 2      | SCUPPERS & DOWNSPOUTS | -              | CYBERSPACE (SW7076) KYNAR 500 COATING |
| 3      | HOLLOW METAL DOOR     | -              | CYBERSPACE (SW7076) KYNAR 500 COATING |
| 4      | AWNINGS               | SIGNAGE VENDOR | BLACK BY THE SIGNAGE VENDOR           |
| 5      | METAL PARAPET CAP     | -              | CYBERSPACE (SW7076) KYNAR 500 COATING |
| 6      | STUCCO                | -              | IMPULSIVE PURPLE (SW6832), SEMI-GLOSS |
| 7      | PATIO STRUCTURE       | -              | RAL 9011 GRAPHITE BLACK               |

**EXTERIOR FINISH SCHEDULE** **D**



**VICINITY MAP**  
 N.T.S.

APPROVED:  
 I hereby certify that the above Color Renderings for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_ day of \_\_\_\_\_, 2025.

WITNESS OUR HANDS, this \_\_\_ day of \_\_\_\_\_, 2025.

\_\_\_\_\_  
 Planning & Zoning Commission, Chairman      Director of Planning and Zoning

**ENGINEER/APPLICANT**  
 THE DIMENSION GROUP  
 10755 SANDHILL ROAD  
 DALLAS, TX, 75238  
 PHONE: (214) 343-9400  
 CONTACT: KEATON L. MAI, PE

**OWNER**  
 PRUDENT DEVELOPMENT  
 10755 SANDHILL ROAD  
 DALLAS, TEXAS 75238  
 PHONE: (214) 271-4630  
 CONTACT: MICHAEL HAMPTON

**DEVELOPER**  
 VALLEY BELLS ENTERPRISES, LLC  
 101 E. CHEROKEE STREET  
 JACKSONVILLE, TX 75766  
 PHONE: (903) 586-1524  
 CONTACT: MIKE STRANSBERRY

**B**

**FACADE CALCULATIONS**

OVERALL EXCLUDING OPENINGS = 1,814 SQ. FT.  
STUCCO = 88 SQ. FT. STUCCO = 5%  
STONE = 376 SQ. FT. STONE = 20%  
BRICK = 1,350 SQ. FT. BRICK = 75%



- 401 BUILDING SIGN BY VENDOR. REQUIRES ELECTRICAL. SEE ELECTRICAL PLANS.
- 402 DRIVE THRU WINDOW. SEE SHEET A1.0 AND A1.1.
- 407 METAL CANOPIES BY VENDOR. REQUIRES ELECTRICAL. SEE ELECTRICAL PLANS.
- 409 ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR. REFER TO GRADING & SITE PLAN.
- 411 CONCRETE CURB.
- 419 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

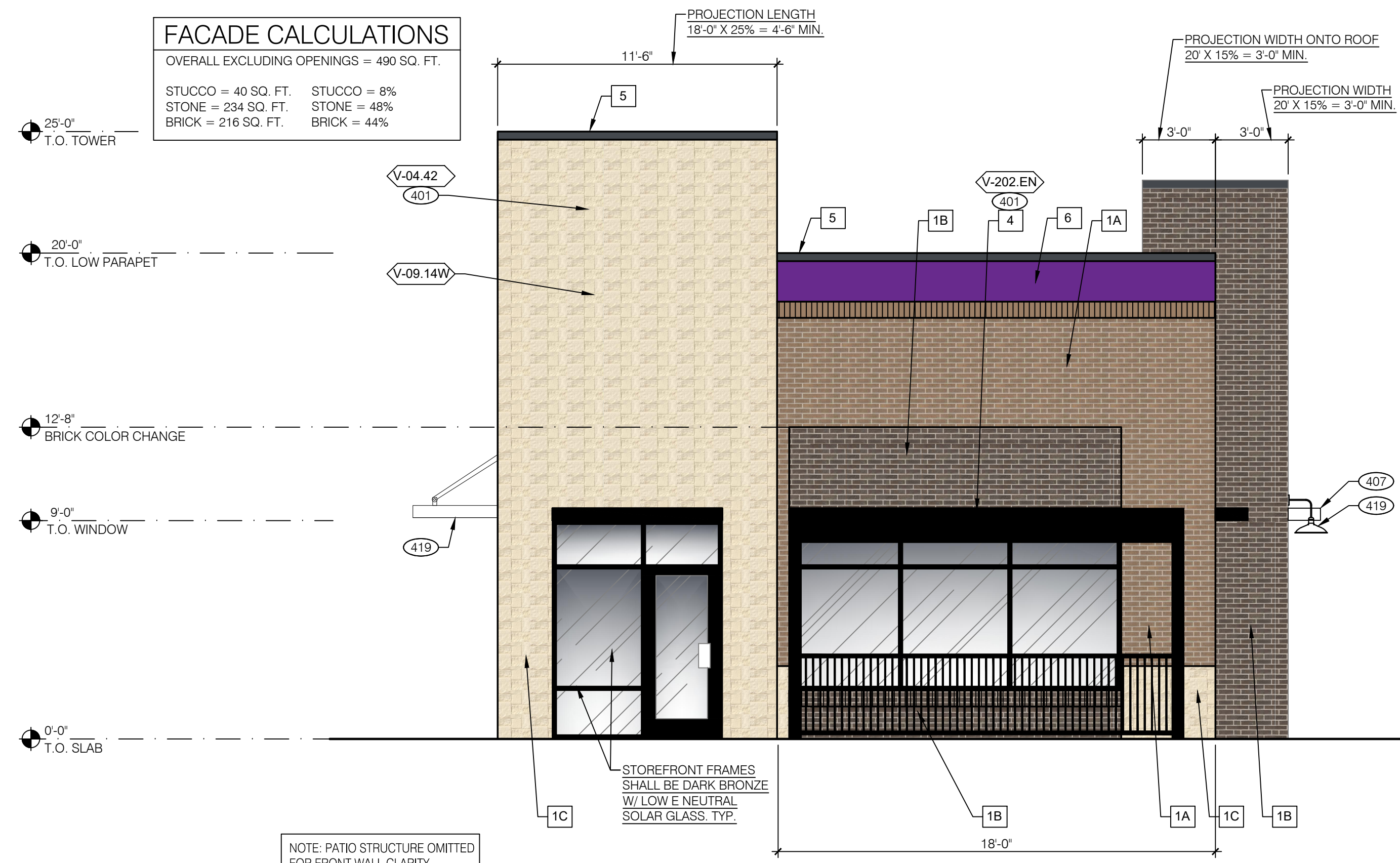
**SIDE ELEVATION - EAST - SECONDARY BUILDING FACADE** 1/4" = 1'-0" **1**

**KEY NOTES**

**A**

**FACADE CALCULATIONS**

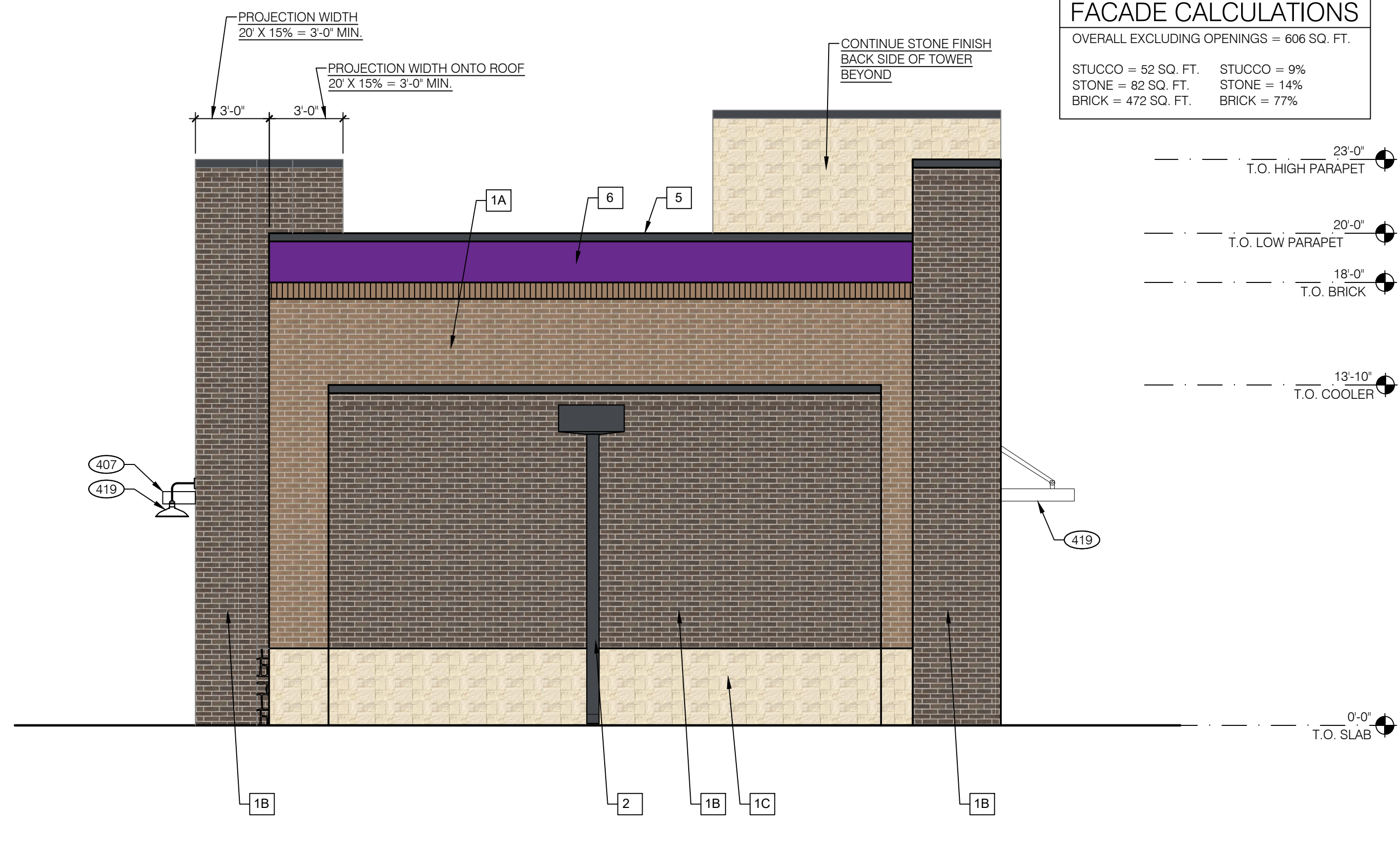
OVERALL EXCLUDING OPENINGS = 490 SQ. FT.  
STUCCO = 40 SQ. FT. STUCCO = 8%  
STONE = 234 SQ. FT. STONE = 48%  
BRICK = 216 SQ. FT. BRICK = 44%



**FRONT ELEVATION - NORTH - PRIMARY BUILDING FACADE** 1/4" = 1'-0" **2**

**FACADE CALCULATIONS**

OVERALL EXCLUDING OPENINGS = 606 SQ. FT.  
STUCCO = 52 SQ. FT. STUCCO = 9%  
STONE = 82 SQ. FT. STONE = 14%  
BRICK = 472 SQ. FT. BRICK = 77%



**REAR ELEVATION - SOUTH - SECONDARY BUILDING FACADE** 1/4" = 1'-0" **3**

| DATE | REMARKS |
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PLAN DATE: 09-08-25  
BUILDING TYPE: END. MED40  
PLAN VERSION: SEPT. 2023  
BRAND DESIGNER: TBD  
SITE NUMBER: TBD  
STORE NUMBER: TBD  
PA/PM: LS  
DRAWN BY.: WCS  
JOB NO.: 25602

**TACO BELL**  
LOT 18, BLOCK A,  
CREEKSIDE COMMONS  
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ROCKWALL, TX



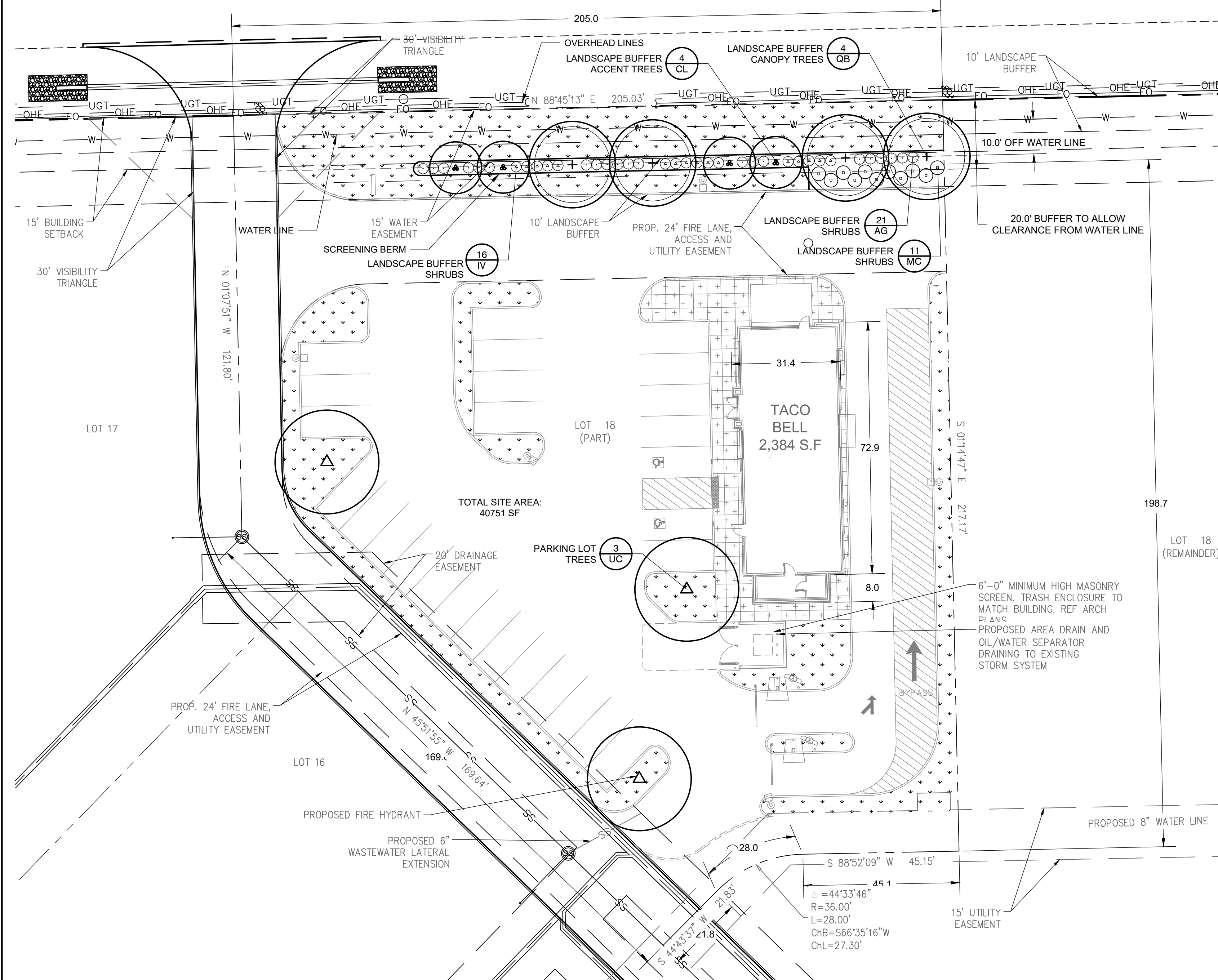
**ENDEAVOR 2.0**  
**EXTERIOR**  
**ELEVATIONS**

**A4.1**

NOTE: PATIO STRUCTURE OMITTED FOR FRONT WALL CLARITY.

STOREFRONT FRAMES SHALL BE DARK BRONZE W/ LOW E NEUTRAL SOLAR GLASS, TYP.

# STATE HIGHWAY 549 (VARIABLE WIDTH RIGHT-OF-WAY)



## LANDSCAPE CALCULATIONS

PERMITTING AUTHORITY: CITY OF ROCKWALL, TX  
 ZONING: C  
 ADJACENT ZONING: C

**OVERALL**  
 TOTAL SITE AREA: 40,751 SF  
 LANDSCAPE AREA REQUIRED: 8,150 SF (20% OF SITE AREA)  
 LANDSCAPE AREA PROVIDED: 8,594 SF  
 % OF REQ. AREA IN FRONT AND SIDE YARDS: 91.7% (MIN 50%)  
 IMPERVIOUS AREA ON SITE: 32,157 SF

**LANDSCAPE BUFFER ALONG S FM 549, MIN. WIDTH 10'**  
 LENGTH OF FRONTAGE: 192 LF (NOT INCL WIDTH OF DRIVEWAY)  
 CANOPY TREES REQUIRED: 4 CANOPY TREES (1 PER 50 LF)  
 CANOPY TREES PROVIDED: 4 CANOPY TREES  
 ACCENT TREES REQUIRED: 4 ACCENT TREES (1 PER 50 LF)  
 ACCENT TREES PROVIDED: 4 ACCENT TREES  
 SHRUBS REQUIRED: 48 SHRUBS PROVIDED  
 BERM REQUIRED: TO BE SHOWN ON GRADING PLAN  
 NOTE: ADDITIONAL SHRUBS HAVE BEEN ADDED TO PROVIDE AN ENHANCED SCREEN AT THE DRIVE THROUGH.

**PARKING LOT HEAD LIGHT SCREENING**  
 NOT APPLICABLE - NO HEAD IN PARKING SPACES ARE ADJACENT TO A STREET.

**PARKING LOT LANDSCAPING**  
 SIZE OF PARKING AND MANEUVERING AREA: 22,382 SF  
 QUANTITY OF PARKING SPACES: 27 PARKING SPACES  
 CANOPY TREES REQUIRED: 3 CANOPY TREES (1 PER 10 PARKING SPACES)  
 CANOPY TREES PROVIDED: 3 CANOPY TREES  
 NOTE: NO PARKING SPACE MAY BE MORE THAN 80 LF FROM THE TRUNK OF A CANOPY TREE.

## GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
  - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
  - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
  - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
  - ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
  - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
  - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
  - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- CONTRACTOR SHALL PROVIDE AND INSTALL SOLID SOD IN ALL RIGHT-OF-WAYS AND PARKWAYS (UNLESS NOT ALLOWED BY THE LOCAL JURISDICTION) AND SHALL PROVIDE WATERING AND MAINTENANCE UNTIL THE TURF IS ESTABLISHED AND HAS BEEN ACCEPTED BY OWNER.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

## ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING, CURBS, WATER, STORM, OR SANITARY SEWER UTILITIES. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO LANDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

## MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 2" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), OVER LANDSCAPE FABRIC IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

## PLANTING & IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

| PLANT SCHEDULE |     |         |                                      |                               |              |          |
|----------------|-----|---------|--------------------------------------|-------------------------------|--------------|----------|
| SYMBOL         | KEY | QTY     | BOTANICAL NAME                       | COMMON NAME                   | SIZE         | SPACING  |
| TREES          |     |         |                                      |                               |              |          |
| ⊙              | CL  | 4       | CHILOPSIS LINEARIS 'TIMELESS BEAUTY' | TIMELESS BEAUTY DESERT WILLOW | MIN. 4' HT.  | PER PLAN |
| ⊙              | QB  | 4       | QUERCUS BUCKLEYI                     | TEXAS RED OAK                 | MIN. 4" CAL. | PER PLAN |
| ⊙              | UC  | 3       | ULMUS CRASSIFOLIA                    | CEDAR ELM                     | MIN. 4" CAL. | PER PLAN |
| SHRUBS         |     |         |                                      |                               |              |          |
| ⊙              | AG  | 21      | ABELIA GRINDIFOLIA 'ROSE CREEK'      | ROSE CREEK ABELIA             | 3 GAL.       | 2' O.C.  |
| ⊙              | IV  | 16      | ILEX VOMITORIA 'NANA'                | DWARF YAUPON HOLLY            | 3 GAL.       | 3' O.C.  |
| ⊙              | MC  | 11      | MYRICA CERIFERA 'DON'S DWARF'        | DON'S DWARF WAX MYRTLE        | 3 GAL.       | 4' O.C.  |
| GROUNDCOVER    |     |         |                                      |                               |              |          |
| ⊙              |     | 7728 SF | SOD: TIFWAY 419                      | BERMUDA GRASS                 | SOD          |          |

## IRRIGATION CONCEPT

- AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A LICENSED AND QUALIFIED IRRIGATION CONTRACTOR.
- THE IRRIGATION SYSTEM WILL MEET THE REQUIREMENTS OF THE UDC.
- THE IRRIGATION SYSTEM WILL OPERATE ON POTABLE WATER, AND THE SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE POTABLE SOURCE.
- ALL NON-TURF PLANTED AREAS SHALL BE DRIP IRRIGATED. SODDED AND SEEDED AREAS SHALL BE IRRIGATED WITH SPRAY OR ROTOR HEADS AT 100% HEAD-TO-HEAD COVERAGE.
- ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR AND SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.

## CAUTION NOTICE TO CONTRACTORS

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.



09-11-2025

BY DATE

| BY | DATE       | REVISION DESCRIPTION |
|----|------------|----------------------|
| LC | 09-11-2025 | drawn by             |
| LC | 09-11-2025 | designed by          |
| SS |            | approved by          |

LANDSCAPE PLANTING PLAN

TACO BELL  
 NWC STATE HIGHWAY 205 AND FM 549  
 ROCKWALL, TEXAS 75082

SHEET

LP-1

**PLANTING SPECIFICATIONS**

- GENERAL**
- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR**
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
  - A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
  - THE LANDSCAPE CONTRACTOR SHALL HOLD A VALID NURSERY AND FLORAL CERTIFICATE ISSUED BY THE TEXAS DEPARTMENT OF AGRICULTURE, AS WELL AS OPERATE UNDER A COMMERCIAL PESTICIDE APPLICATOR LICENSE ISSUED BY EITHER THE TEXAS DEPARTMENT OF AGRICULTURE OR THE TEXAS STRUCTURAL PEST CONTROL BOARD.
- B. SCOPE OF WORK**
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
  - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
  - THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

- PRODUCTS**
- A. ALL MANUFACTURED PRODUCTS SHALL BE NEW.**
- B. CONTAINER AND BALLED-AND-BURLAPPED PLANTS:**
- FURNISH NURSERY-GROWN PLANTS COMPLYING WITH ANSI Z60.1-2014. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. ALL PLANTS WITH A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
  - ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS J-SHAPED ROOTS).
  - TREES MAY BE PLANTED FROM CONTAINERS OR BALLED-AND-BURLAPPED (BBB), UNLESS SPECIFIED ON THE PLANTING LEGEND. BARE-ROOT TREES ARE NOT ACCEPTABLE.
  - ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNER SHALL BE THE ACCEPTABILITY OF PLANT MATERIAL.
  - ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
  - CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER.
  - MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL, WHERE CALIPER MEASUREMENTS ARE USED, THE CALIPER SHALL BE CALCULATED AS ONE-HALF OF THE SUM OF THE CALIPERS OF THE THREE LARGEST TRUNKS.
  - ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
- C. SEED:** PROVIDE BLEND OF SPECIES AND VARIETIES AS NOTED ON THE PLANS, WITH MAXIMUM PERCENTAGES OF PURITY, GERMINATION, AND MINIMUM PERCENTAGE OF WEED SEED AS INDICATED ON PLANS. EACH BAG OF SEED SHALL BE ACCOMPANIED BY A TAG FROM THE SUPPLIER INDICATING THE COMPOSITION OF THE SEED.
- D. TOPSOIL:** SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN 1/4 INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS. WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 6.5.
- E. COMPOST:** WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 6.5; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4-INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED.
- F. FERTILIZER:** GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT FROM A QUALIFIED SOIL-TESTING AGENCY (SEE BELOW).
- G. MULCH:** SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS TOP DRESSING OF TREES AND SHRUBS.
- H. TREE STAKING AND GUYING**
- STAKES: 1/2" LONG GREEN METAL T-POSTS.
  - GUY AND TIE WIRE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.106 INCH DIAMETER.
  - STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE.
- J. STEEL EDGING:** PROFESSIONAL STEEL EDGING, 14 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN, ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL.
- K. PRE-EMERGENT HERBICIDES:** ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

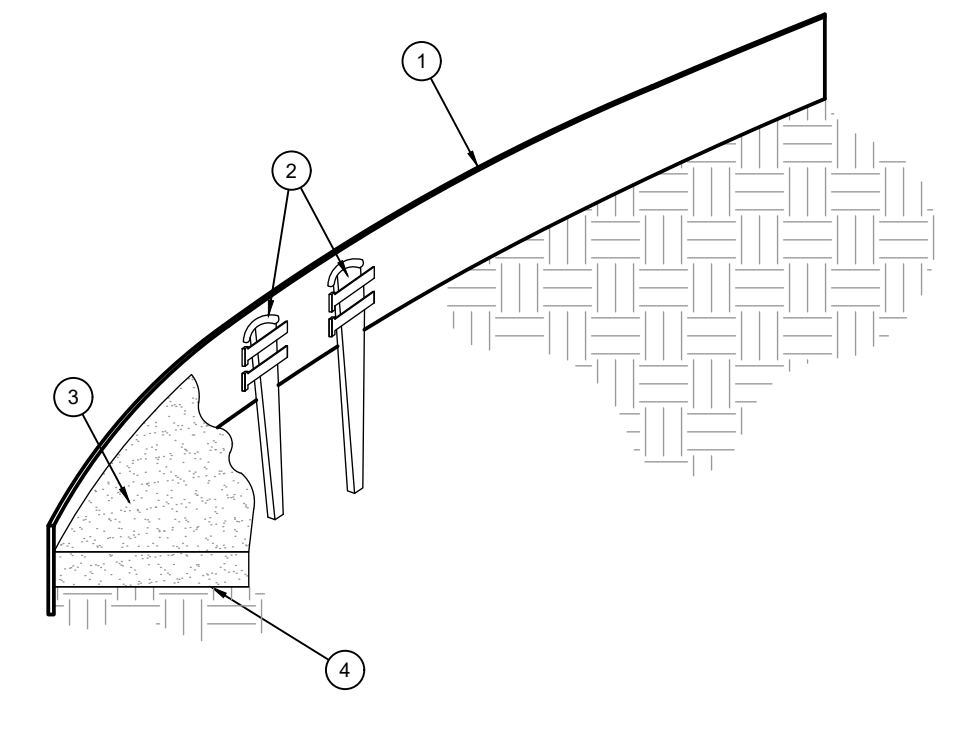
- METHODS**
- A. SOIL PREPARATION**
- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
  - SOIL TESTING:
    - AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES FROM THE PROJECT'S LANDSCAPE AREAS TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY. EACH SAMPLE SUBMITTED TO THE LAB SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL, TAKEN FROM BETWEEN THE SOIL SURFACE AND 6" DEPTH. IF NO SAMPLE LOCATIONS ARE INDICATED ON THE PLANS, THE CONTRACTOR SHALL TAKE A MINIMUM OF THREE SAMPLES FROM VARIOUS REPRESENTATIVE LOCATIONS FOR TESTING.
    - THE CONTRACTOR SHALL HAVE THE SOIL TESTING LABORATORY PROVIDE RESULTS FOR THE FOLLOWING: SOIL TEXTURE CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT.
    - THE CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
    - THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): SEPARATE SOIL PREPARATION AND BACKFILL MIX RECOMMENDATIONS FOR PERENNIALS, ORNAMENTAL PLANTS, SERIC PLANTS, TURF, AND NATIVE SEED, AS WELL AS PRE-PLANT FERTILIZER APPLICATIONS AND RECOMMENDATIONS FOR ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
  - THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOIL REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
  - FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING:
    - TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPING:
      - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
      - PREPLANT TURF FERTILIZER (10-20-10 OR SIMILAR, SLOW RELEASE, ORGANIC) - 15 LBS PER 1,000 S.F.
      - "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE
      - TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPING:
        - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
        - 12-12-12 FERTILIZER (OR SIMILAR, ORGANIC, SLOW RELEASE) - 10 LBS. PER CU. YD.
        - "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE
        - IRON SULPHATE - 2 LBS. PER CU. YD.
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
- CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT, AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
  - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
  - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 0" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
  - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
  - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

**CAUTION NOTICE TO CONTRACTORS**

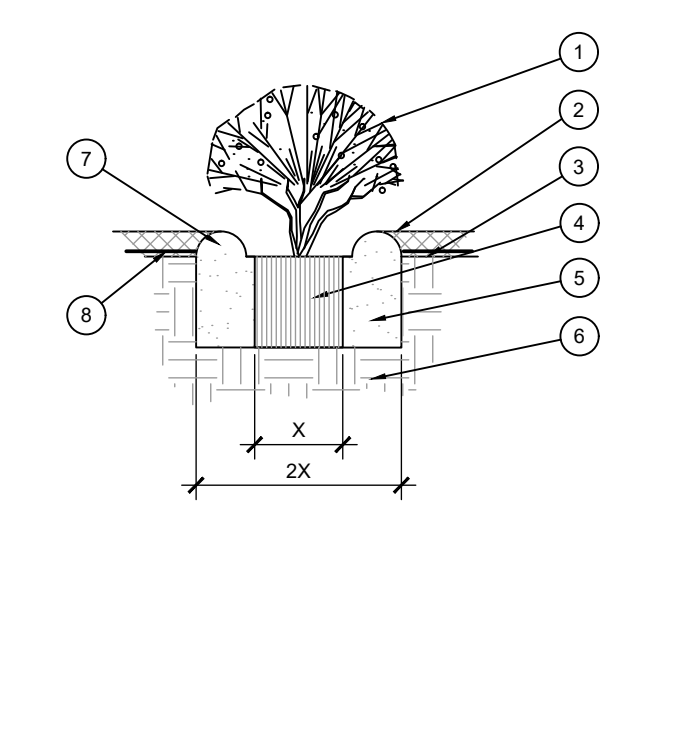
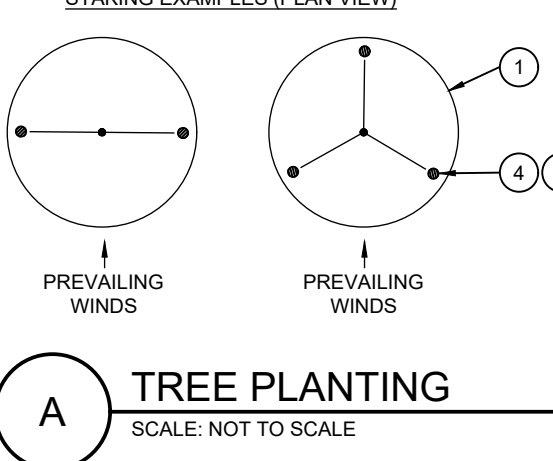
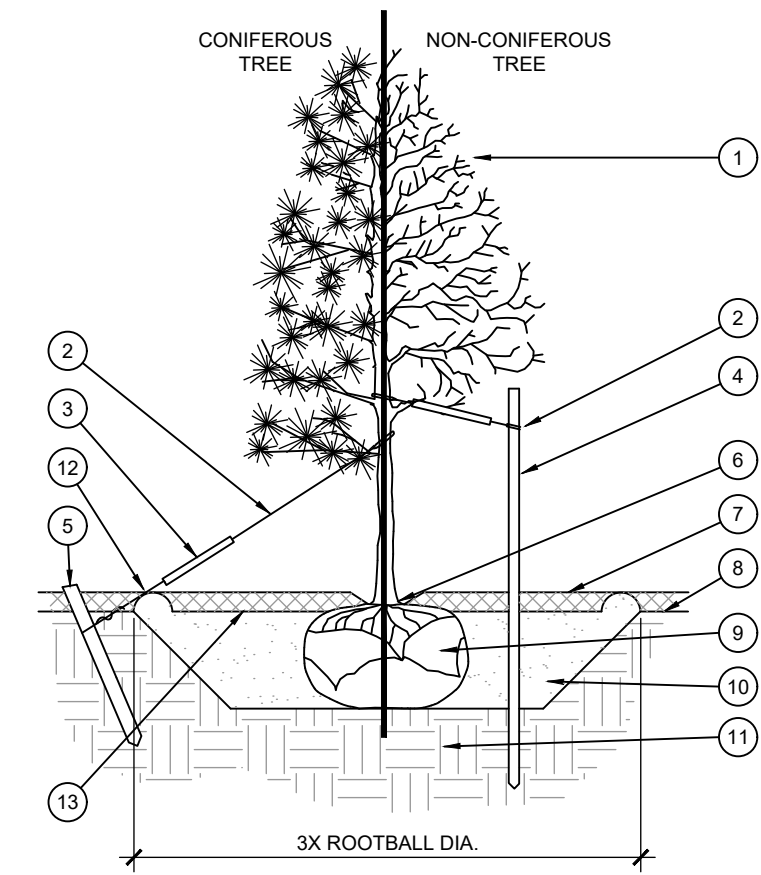
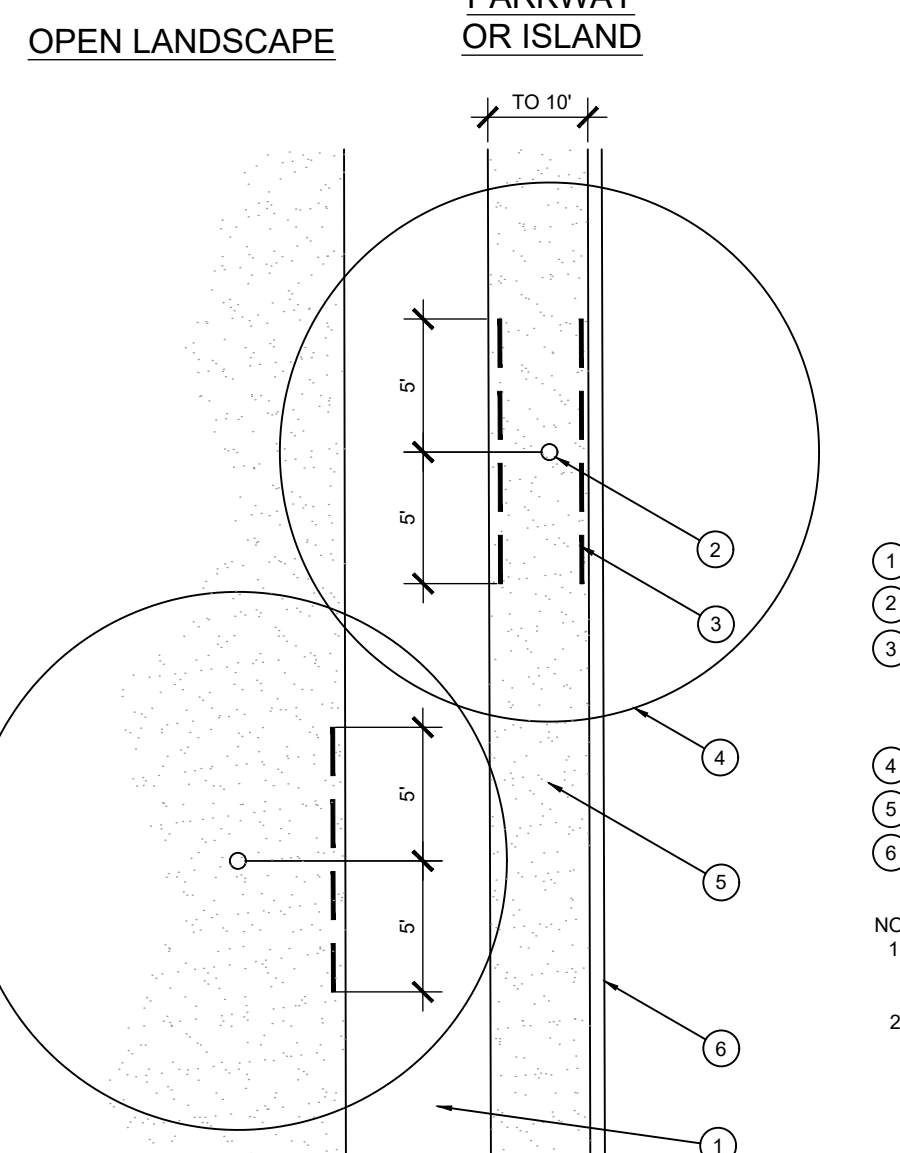
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

- B. SUBMITTALS**
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE LANDSCAPE ARCHITECT, AND RECEIVE APPROVAL IN WRITING FOR SUCH SUBMITTALS BEFORE WORK COMMENCES.
  - SUBMITTALS SHALL INCLUDE PHOTOS OF PLANTS WITH A RULER OR MEASURING STICK FOR SCALE, PHOTOS OR SAMPLES OF ANY REQUIRED MULCHES, AND SOIL TEST RESULTS AND PREPARATION RECOMMENDATIONS FROM THE TESTING LAB (INCLUDING COMPOST AND FERTILIZER RATES AND TYPES, AND OTHER AMENDMENTS FOR TREE/SHRUB, TURF, AND SEED AREAS AS MAY BE APPROPRIATE).
  - SUBMITTALS SHALL ALSO INCLUDE MANUFACTURER CUT SHEETS FOR PLANTING ACCESSORIES SUCH AS TREE STAKES AND TIES, EDGING, AND LANDSCAPE FABRICS (IF ANY).
  - WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE ITEM BEING CONSIDERED.
- C. GENERAL PLANTING**
- REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
- EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
- TRENCHING NEAR PLANTINGS:**
- CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2' AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1" FOR EVERY 1" OF TRUNK DIAMETER AT-BREAST-HEIGHT (4.5' ABOVE THE AVERAGE GRADE AT THE TRUNK).
  - ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
  - ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2' AND LARGER IN DIAMETER. WHERE TREE ROOTS 1-1/2' AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
  - ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS, AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.

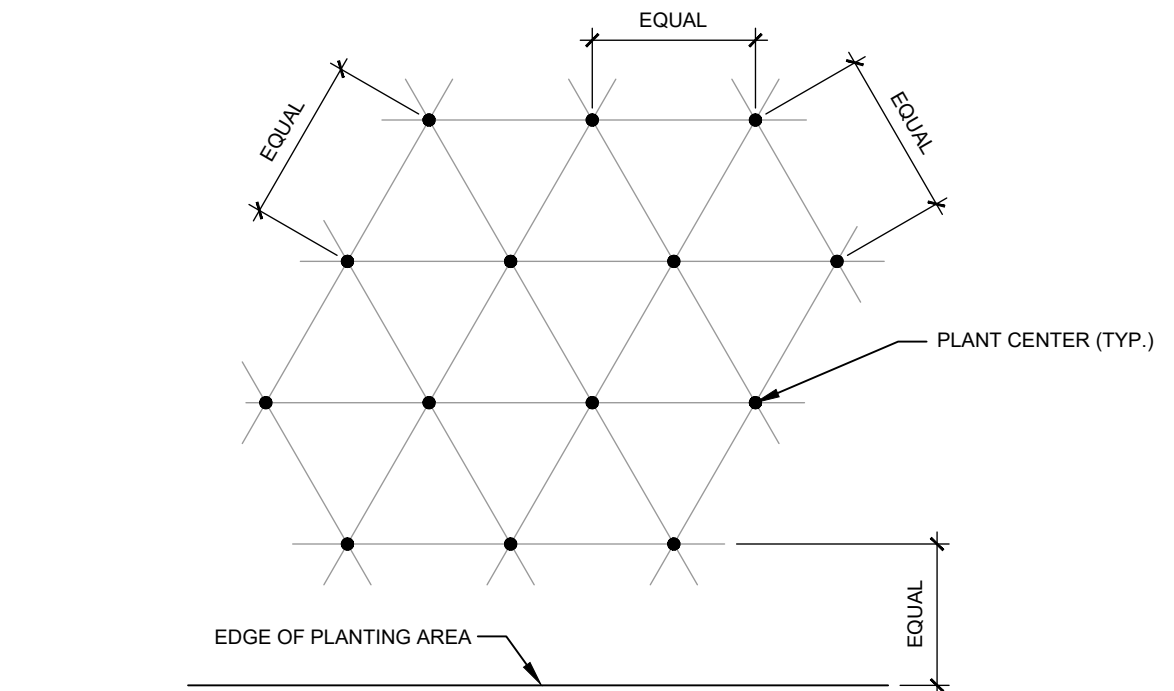
- TREE PLANTING**
- TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL LESS TWO TO FOUR INCHES. SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE.
  - REMOVE ANY CLUMPING MATERIAL THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE. FOR CONTAINER AND BOX TREES, TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS, THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES. PRIOR TO PLACING INTO THE PLANTING PIT, DO NOT TRIM ROOTS OUT FROM THE ROOTBALL.
  - INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO FOUR INCHES ABOVE FINISH GRADE. REMOVE ALL EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1" DIA, AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCEPT THIS TASK, USE STORED TOPSOIL FROM ON-SITE OR IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IMPORTED TOPSOIL SHALL BE OF SIMILAR TEXTURAL CLASS AND COMPOSITION TO THE ON-SITE SOIL.
  - TREES SHALL NOT BE EXPOSED TO LOCAL CONDITIONS (SUCH AS HEAVY WINDS OR STORMS). REQUIRE STAKES TO KEEP TREES UPRIGHT. SHOULD STAKING BE REQUIRED, THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. STAKES SHALL BE AT LEAST THE SAME SIZE AND LENGTH AS THE WALKS AND CURBS. MULCH SHALL STRAIGHTEN THE TREE, OR REPLACE IT SHOULD IT BECOME DAMAGED. TREE STAKING SHALL ADHERE TO THE FOLLOWING GUIDELINES:
    - 1" X 2" TREES - TWO STAKES PER TREE
    - 2-1/2" X 4" TREES - THREE STAKES PER TREE
    - TREES OVER 4" CALIPER - GUY AS NEEDED
  - MULTI-TRUNK TREES - THREE STAKES PER TREE MINIMUM. QUANTITY AND POSITIONS AS NEEDED TO STABILIZE THE TREE.
  - UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH MULCH (TYPE AND DEPTH PER PLANS). UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PLACE MULCH WITHIN 6" OF THE TRUNK.
- SHRUB, PERENNIAL, AND GROUND-COVER PLANTING**
- DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST RECOMMENDATIONS.
  - WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING AREAS (EXCEPT FOR SODDED AND SEEDED AREAS), LEAVING NO EXPOSED GROUND.
- SODDING**
- SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
  - LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GRASS IS FROZEN.
  - LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS - DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
  - ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
  - WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.
- MULCH**
- INSTALL MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING AREAS AND TREE RINGS.
  - DO NOT INSTALL MULCH WITHIN 6" OF TREE ROOT FLARE AND WITHIN 24" OF HABITABLE STRUCTURES, EXCEPT AS MAY BE NOTED ON THESE PLANS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PRODUCE ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL.



**D STEEL EDGING**  
SCALE: NOT TO SCALE



**B SHRUB AND PERENNIAL PLANTING**  
SCALE: NTS



**C PLANT SPACING**  
SCALE: NTS

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STATE OF TEXAS  
3770  
*James P. Vetter*

09-11-2025

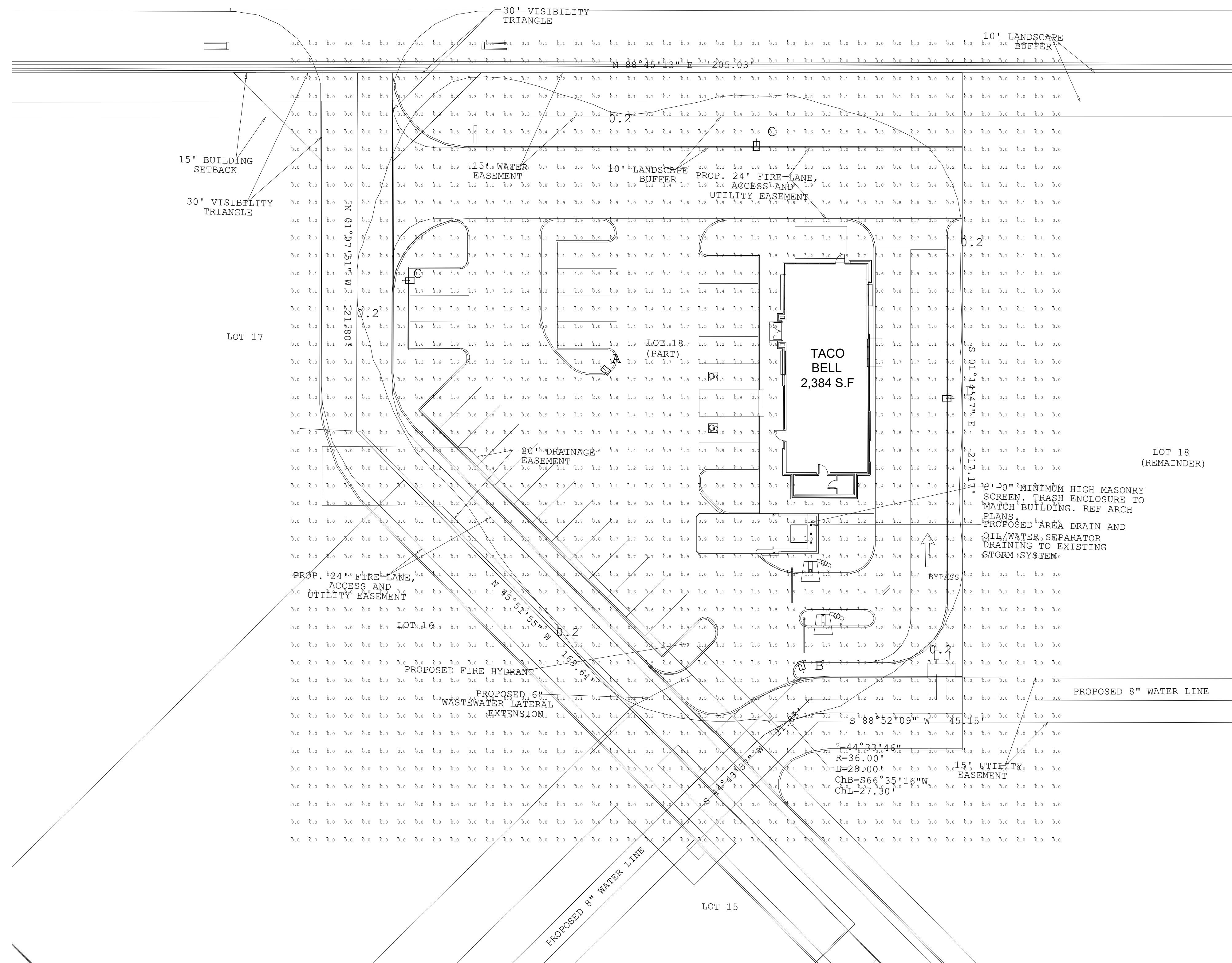
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LANDSCAPE SPECS & DETAILS

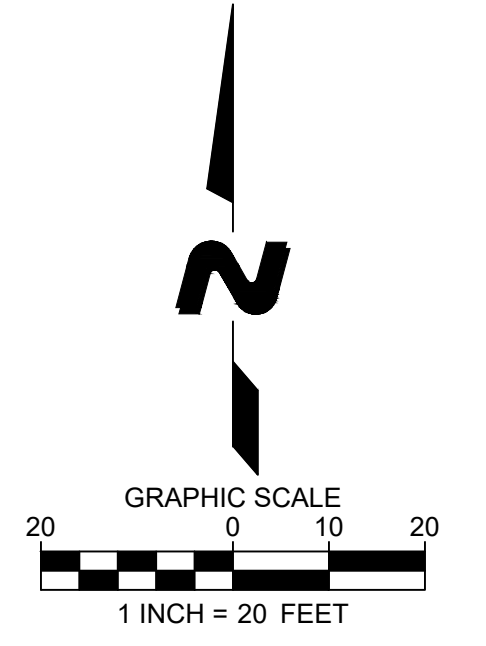
TACO BELL  
NWC STATE HIGHWAY 205 AND FM 549  
ROCKWALL, TEXAS 75082

# STATE HIGHWAY 549 (VARIABLE WIDTH RIGHT-OF-WAY)



### SITE PLAN KEYNOTES:

- 1 CONSTRUCT 6" CURB & GUTTER
- 2 CONSTRUCT 6" CONCRETE PAVEMENT SECTION
- 3 INSTALL SIDEWALK PAVEMENT
- 4 INSTALL HANDICAP VAN AND CAR SIGN
- 5 4" WHITE PAVEMENT SOLID PARKING STRIPES
- 6 HANDICAP VAN PARKING
- 7 STANDARD AREA LIGHT POLE
- 8 MONUMENT SIGN
- 9 NEW BARRIER FREE RAMPS
- 10 PROPOSED ESCAPE LANE
- 11 CLEARANCE BAR
- 12 MENU BOARD
- 13 ORDER SPEAKER
- 14 "ONE WAY DO NOT ENTER" SIGN
- 15 PROPOSED 4" BOLLARD

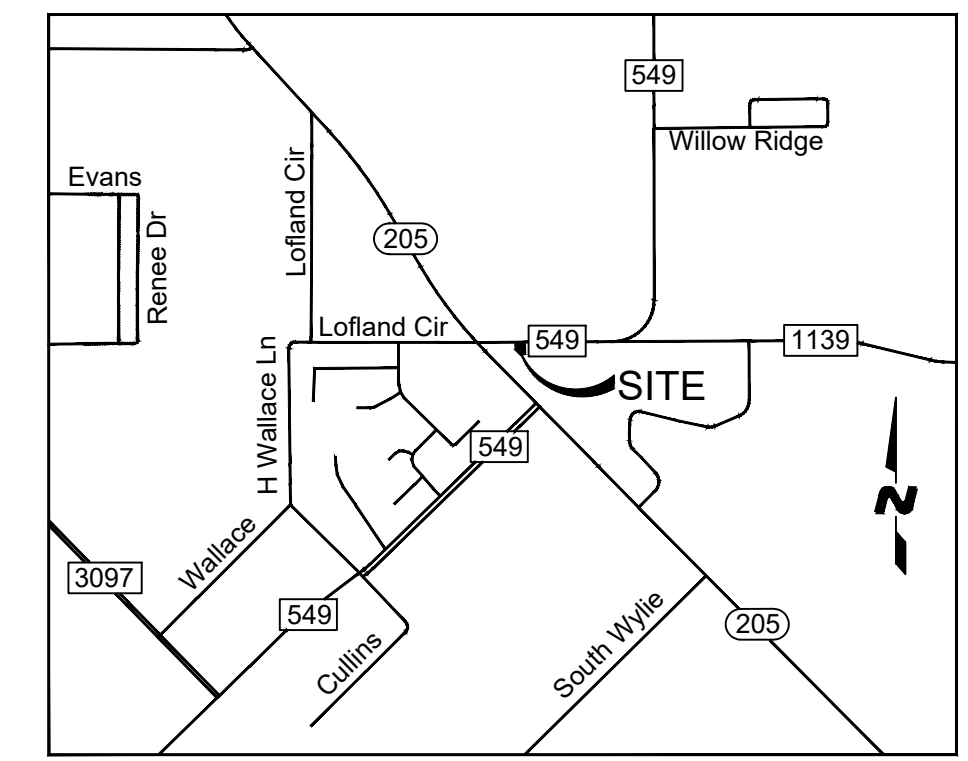


ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

### GENERAL NOTES

1. The contractor shall assume sole and complete responsibility for his means and methods of construction, job site conditions and job site safety, including safety of all persons and property. This requirement shall apply continuously and not be limited to working hours. The contractor shall save, protect, indemnify defend and hold harmless the owner, the architect and the engineer from any claim of liability, real or alleged, arising out of the performance of any work on this project. The contractor shall name the owner, the architect and the engineer as "additional insured" on his insurance policies.
2. Existing above ground utilities have been shown based on information shown on a survey of the property. Underground utilities are shown based on recorded data and may not be complete or exact. The contractor shall be responsible for verifying the locations and depths of all above ground and underground utilities prior to construction. The contractor shall be responsible for damage to existing above ground or underground utilities, including those not shown on the plans. The contractor is advised to contact the city and all franchise utility companies, easement holders, etc. at least 48 hours prior to beginning excavation in the vicinity of any underground utility.
3. The contractor shall comply with all building codes and regulations, federal, state, county, and city safety codes and inspection requirements.
4. The contractor shall provide dust protection during construction. All trash and debris shall be picked up at all times. Commercial construction debris/solid waste hauler permit required.
5. There will be no outside storage or above ground storage tanks. (Subsection 01.05, of Article 05, UDC)
6. Per the Engineering Standards of Design and Construction, dumpster areas will need to drain to oil/water separator and then to storm lines.

| USE                       | COMMERCIAL (DRIVE-THRU RESTAURANT) |
|---------------------------|------------------------------------|
| LOT AREA                  | 40,751.89 S.F. (0.936 ACRES)       |
| BUILDING SQUARE FOOTAGE   | 2,384 S.F.                         |
| FAR                       | 0.06:1                             |
| BUILDING HEIGHT           | 23'-0"                             |
| TOTAL PERVIOUS COVER      | 8,743 S.F. OR 21%                  |
| TOTAL IMPERVIOUS COVER    | 32,008 S.F. OR 79%                 |
| PARKING REQUIRED          | 27 SPACES (1/100 G.F.A.)           |
| PARKING PROVIDED          | 27 SPACES                          |
| HANDICAP PARKING REQUIRED | 2 SPACES                           |
| HANDICAP PARKING PROVIDED | 2 SPACES                           |



## SITE PLAN

LOT 18, BLOCK A, CREEKSIDE COMMONS ADDITION  
NWC STATE HIGHWAY 205 & F.M. 549  
A 0.936 ACRE TRACT OF LAND IN THE WILLIAM W. FORD SURVEY, ABST. NO 80  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS  
CITY PROJECT #SP2025-xxx  
August 27, 2025

APPROVED:  
I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the \_\_\_\_ day of \_\_\_\_, 2025.

WITNESS OUR HANDS, this \_\_\_\_ day of \_\_\_\_, 2025.

\_\_\_\_\_  
Planning & Zoning Commission, Chairman      Director of Planning and Zoning

### PHOTOMETRIC INFORMATION

| Label                            | Avg  | Max | Min | Avg/Min | Max/Min |
|----------------------------------|------|-----|-----|---------|---------|
| EXTENSIVE                        | 0.48 | 2.1 | 0.0 | S.A.    | S.A.    |
| PARKING LOT & DRIVE-THRU SURFACE | 1.14 | 2.5 | 0.2 | 5.70    | 13.50   |

| Symbol | Qty | Label  | Arrangement | Luminaire | LFP   | OCF | Luminaire Height | Mounting Description   |
|--------|-----|--------|-------------|-----------|-------|-----|------------------|--|
| 1      | A   | SINGLE | 9713        | 0.900     | 4000K | 62  | 27.5             | MHM-LED-09L-SIL-4-UNV-DIM-40-70CR1-BRE / 48Q-B3-S11G-25-S-BRE    |
| 1      | B   | SINGLE | 7599        | 0.900     | 4000K | 62  | 27.5             | MHM-LED-09L-SIL-4-UNV-DIM-40-70CR1-BRE-TR / 48Q-B3-S11G-25-S-BRE |
| 1      | C   | SINGLE | 10119       | 0.900     | 4000K | 85  | 27.5             | MHM-LED-12L-SIL-4-UNV-DIM-40-70CR1-BRE-TR / 48Q-B3-S11G-25-S-BRE |
| 1      | D   | SINGLE | 8183        | 0.900     | 4000K | 85  | 27.5             | MHM-LED-12L-SIL-4-UNV-DIM-40-70CR1-BRE-TL / 48Q-B3-S11G-25-S-BRE |

### CITY OF ROCKWALL MONUMENTS

COR-8: ALUMINUM DISK STAMPED "CITY OF ROCKWALL SURVEY MONUMENT" AT THE NORTHERLY INTERSECTION OF SILVER VIEW LANE AND DIAMOND WAY DRIVE #1 FOOT NORTH OF CURB LINE IN CENTER OF CURVE.  
N: 7018063.113, E: 2609533.682 ELEVATION: 600.48'

COR-9: BRASS DISK STAMPED "CITY OF ROCKWALL SURVEY MONUMENT" ON THE SOUTH SIDE OF DISCOVERY BOULEVARD AT THE SOUTHEAST CORNER OF CURB INLET #180 FOOT EAST INTERSECTION OF DISCOVERY/CORPORATE.  
N: 7020550.132, E: 2607463.893 ELEVATION: 595.63'

**ENGINEER/APPLICANT**  
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CONTACT: MIKE STRANSBERRY

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THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATED ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

**THE DIMENSION GROUP**  
ARCHITECTURE - CIVIL ENGINEERING - MEP ENGINEERING  
TEL: 214.343.9400    www.dimensiongroup.com

**ACCUSERV**  
LIGHTING & EQUIPMENT

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| BY | REVISION DESCRIPTION | DATE |
|----|----------------------|------|
|    |                      |      |
|    |                      |      |
|    |                      |      |

**SITE PLAN**  
TACO BELL  
NWC STATE HIGHWAY 205 & FM 549  
ROCKWALL, TEXAS 75032

**SHEET**  
LDE-1.0



# Mirada Medium (MRM)

## Outdoor LED Area Light



### OVERVIEW

|                      |                                |
|----------------------|--------------------------------|
| Lumen Package        | 7,000 - 55,000                 |
| Wattage Range        | 48 - 438                       |
| Efficacy Range (LPW) | 115 - 162                      |
| Weight lbs(kg)       | 30 (13.6)                      |
| Control Options      | IMSBT, ALB, ALS,<br>7-Pin, PCI |

### QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

## FEATURES & SPECIFICATIONS

### Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

### Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 4, 5W, FT, FTA, AM, and LC/RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

### Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C. 55L lumen package rate to +35°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

### Controls

- Optional integral passive infrared Bluetooth™ motion. Fixtures operate independently and can be commissioned via iOS or Android configuration app
- LSI's AirLink™ wireless control system options reduce energy and maintenance

costs while optimizing light quality 24/7. (see controls section for more details).

### Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products.

### Warranty

- LSI LED Fixtures carry a 5-year warranty.

### Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- RoHS compliant
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)
- IK08 rated luminaire per IEC 66262 mechanical impact code



# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

[Back to Quick Links](#)

| TYPICAL ORDER EXAMPLE: MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL   |              |   |  |   |  |  |   |
|--|--------------|---|--|---|--|--|---|
| Prefix   | Light Source | Lumen Package   | Lens   | Distribution  | Orientation <sup>2</sup>   | Voltage  | Driver  |
| <b>MRM</b> - Mirada Medium Area Light  | <b>LED</b>   | <b>7L</b> - 7,000 lms, 48W<br><b>9L</b> - 9,000 lms, 62W<br><b>12L</b> - 12,000 lms, 85W<br><b>18L</b> - 18,000 lms, 135W<br><b>24L</b> - 24,000 lms, 176W<br><b>30L</b> - 30,000 lms, 232W<br><b>36L</b> - 36,000 lms, 288W<br><b>42L</b> - 42,000 lms, 314W<br><b>48L</b> - 48,000 lms, 401W<br><b>55L</b> - 55,000 lms, 438W<br>Custom Lumen Packages <sup>1</sup> | <b>SIL</b> - Silicone  | <b>2</b> - Type 2<br><b>3</b> - Type 3<br><b>4</b> - Type 4<br><b>5W</b> - Type 5 Wide<br><b>FT</b> - Forward Throw<br><b>FTA</b> - Forward Throw Automotive<br><b>AM</b> - Automotive Merchandise<br><b>LC</b> - Left Corner<br><b>RC</b> - Right Corner | <b>(blank)</b> - standard<br><b>L</b> - Optics rotated left 90°<br><b>R</b> - Optics rotated right 90°             | <b>UNV</b> - Universal Voltage (120-277V)<br><b>HV</b> - High Voltage (347-480V) | <b>DIM</b> - 0-10V Dimming (0-10%)  |
| Color Temp   |              | Color Rendering   | Finish   |   | Options  |  |   |
| <b>50</b> - 5,000 CCT<br><b>40</b> - 4,000 CCT<br><b>30</b> - 3,000 CCT<br><b>AMB</b> - Phosphor Converted Amber <sup>12</sup> |              | <b>70CRI</b> - 70 CRI   | <b>BLK</b> - Black<br><b>BRZ</b> - Dark Bronze<br><b>GMG</b> - Gun Metal Gray<br><b>GPT</b> - Graphite |   | <b>MSV</b> - Metallic Silver<br><b>PLP</b> - Platinum Plus<br><b>SVG</b> - Satin Verde Green<br><b>WHT</b> - White |  | <b>(Blank)</b> - None<br><b>IH</b> - Integral Half Louver (Moderate Spill Light Cutoff) <sup>2</sup><br><b>IL</b> - Integral Louver (Sharp Spill Light Cutoff) <sup>2</sup> |

### Controls (Choose One)

**(Blank)** - None

#### Wireless Controls System

- ALSC** - AirLink Synapse Control System<sup>13</sup>
- ALSCS02** - AirLink Synapse Control System with 12-20' Motion Sensor<sup>13</sup>
- ALSCS04** - AirLink Synapse Control System with 20-40' Motion Sensor<sup>13</sup>
- ALBCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height)<sup>5</sup>
- ALBCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height)<sup>5</sup>

#### Stand-Alone Controls

- EXT** - 0-10V Dimming leads extended to housing exterior
- CR7P** - 7 Pin Control Receptacle ANSI C136.41<sup>6</sup>
- IMSBTL1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)<sup>5</sup>
- IMSBTL2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)<sup>5</sup>

#### Button Type Photocells

- PC120** - 120V
- PC1208-277** - 208 - 277V
- PC1347** - 347V



**Need more information?**  
Click here for our glossary

**Have additional questions?**  
Call us at (800) 436-7800



## ACCESSORY ORDERING INFORMATION<sup>7</sup>

| CONTROLS ACCESSORIES   |                |
|--|----------------|
| Description  | Order Number   |
| PC120 Photocell for use with CR7P option (120V) <sup>8</sup>                 | <b>122514</b>  |
| PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) <sup>8</sup> | <b>122515</b>  |
| Twist Lock Photocell (347V) for use with CR7P <sup>8</sup>                   | <b>122516</b>  |
| Twist Lock Photocell (480V) for use with CR7P <sup>8</sup>                   | <b>1225180</b> |
| AirLink 5 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661409</b>  |
| AirLink 7 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661410</b>  |
| AirLink 7 Pin Twist Lock Controller (347-480V)                               | <b>679948</b>  |
| Shorting Cap for use with CR7P   | <b>149328</b>  |

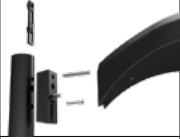














| FUSING OPTIONS <sup>11</sup> |  |
|------------------------------|--|
| Single Fusing (120V)         | <a href="#">See Fusing Accessory Guide</a> |
| Single Fusing (277V)         |  |
| Double Fusing (208V, 240V)   |  |
| Double Fusing (480V)         |  |
| Double Fusing (347V)         |  |

| SHIELDING OPTIONS |                                     |
|-------------------|-------------------------------------|
| Mirada Small      | <a href="#">See Shielding Guide</a> |
| Mirada Medium     |                                     |
| Mirada Large      |                                     |
| Zone Medium       |                                     |
| Slice Medium      |                                     |

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available with 5W distribution
3. Consult Factory for availability.
4. Not available in HV.
5. Motion sensors are field configurable via an app that can be downloaded from your smartphone's native app store. See controls section for more details.
6. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.

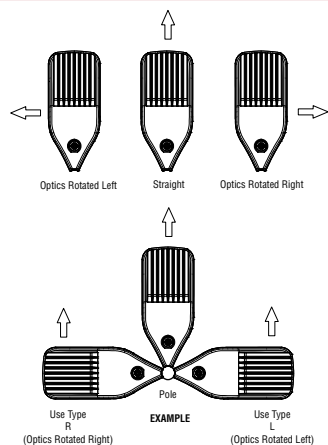
7. Accessories are shipped separately and field installed.
8. Factory installed CR7P option required. See Options.
9. "CLR" denotes finish. See Finish options.
10. Only available with ALSC/ALSCH control options.
11. Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.
12. Only available in 9L, 12L, 18L and 24L Lumen Packages. Consult factory for lead time and availability.
13. Not available with 55L Lumen Package.

## ACCESSORIES

| MOUNTING ACCESSORIES   |   | SHIELDING, POLES & MISC. ACCESSORIES  |           |   |   |
|------------------------|---|---|-----------|---|---|
| Side Arm               | <b>Universal Mounting Bracket</b><br>Mounts to $\geq 3"$ square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5" to 5"<br><b>Part Number: BKA UMB CLR</b> |    | Shielding | <b>Integral Louver</b><br>Field Install Integral Louver provides maximum backlight control by shielding each individual row of LEDs<br><b>Part Number: 690981</b>   |    |
|                        | <b>Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS POM B3B5 XX CLR</b>           |    |           | <b>Integral Half Louver</b><br>Field Install Integral Half Louver provides great backlight control without impacting front side distribution.<br><b>Part Number: 743415</b>   |    |
|                        | <b>15° Tilt Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS PQ15 B3B5 XX CLR</b> |    |           | <b>External Shield</b><br>External shield blocks view of light source from any side of luminaire, additional shielding configurations available<br><b>Part Number: 783607BLK (3") / 776538BLK (6")</b>  |    |
| Tenon / Slipfitter     | <b>Adjustable Slipfitter</b><br>Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and provides 180° of tilt (max 45° above horizontal)<br><b>Part Number: BKA ASF CLR</b>          |    | Poles     | <b>Square Poles</b><br>14 - 39" steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction<br><b>Part Number: 4SQ/5SQ/6SQ</b>  |    |
|                        | <b>Square Tenon Top</b><br>Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires<br><b>Part Number: BKA XNM *</b>                           |    |           | <b>Round Poles</b><br>10 - 30' steel and aluminum poles in 4" and 5" sizes for retrofit and new construction<br><b>Part Number: 4RP/SRP</b>   |    |
|                        | <b>Square Internal Slipfitter</b><br>Mounts inside 4" or 5" square pole and allows for mounting up to 4 luminaires<br><b>Part Number: BKA X_ISF * CLR</b>                             |   |           | <b>Tapered Poles</b><br>20' - 39" steel and aluminum poles for retrofit and new construction<br><b>Part Number: RTP</b>   |   |
| Wall Mount / Wood Pole | <b>Wall Mount Bracket</b><br>Mounts onto vertical wall surface (hardware/anchors not included)<br><b>Part Number: BKS XB0 WM CLR</b>  |  | Misc.     | <b>Bird Spikes</b><br>10' Linear Bird Spike Kit, 4" recommended per luminaire, includes silicone adhesive and application tool<br><b>Spike Part Number: 751631</b><br><b>Adhesive Part Number: 751632</b><br><b>Caulk Gun Part Number: 751636</b>   |  |
|                        | <b>Wood Pole Bracket</b><br>Mounts onto wooden poles (6" minimum OD, hardware/anchors not included)<br><b>Part Number: BKS XB0 WP CLR</b>   |  |           | Replace CLR with paint finish description<br>Replace X with: 3<br>Replace XX with SQ for square pole or RD for round pole ( $\geq 3"$ OD)<br>Replace * with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)<br>Replace _ with 4 (4" square pole) or 5 (5" square pole) |   |

## OPTICS ROTATION

Top View



## ACCESSORIES/OPTIONS

### Integral Louver (IL) and House-Side Shield (IH)

Integral louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate

Luminaire Shown with Integral Louver (IL)



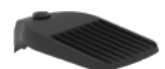
Luminaire Shown with IMSBTL Option



### 7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P



# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PERFORMANCE

[Back to Quick Links](#)

| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 9L                | 2            | 70  | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 62      |
|                   | 3            |     | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   |         |
|                   | 4            |     | 9178             | 148      | B2-U0-G3   | 9713             | 157      | B2-U0-G3   | 9498             | 153      | B2-U0-G3   |         |
|                   | 5W           |     | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   |         |
|                   | FT           |     | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   |         |
|                   | FTA          |     | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   |         |
|                   | AM           |     | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   |         |
|                   | LC/RC        |     | 9008             | 145      | B2-U0-G3   | 9533             | 154      | B2-U0-G3   | 9321             | 150      | B2-U0-G3   |         |
| 12L               | 2            | 70  | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 85      |
|                   | 3            |     | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   |         |
|                   | 4            |     | 12223            | 144      | B2-U0-G3   | 12935            | 152      | B2-U0-G4   | 12648            | 149      | B2-U0-G4   |         |
|                   | 5W           |     | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   |         |
|                   | FT           |     | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   |         |
|                   | FTA          |     | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   |         |
|                   | AM           |     | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   |         |
|                   | LC/RC        |     | 11996            | 141      | B2-U0-G3   | 12695            | 149      | B2-U0-G3   | 12414            | 146      | B2-U0-G3   |         |
| 18L               | 2            | 70  | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 135     |
|                   | 3            |     | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   |         |
|                   | 4            |     | 18013            | 133      | B2-U0-G4   | 19063            | 141      | B3-U0-G5   | 18640            | 138      | B3-U0-G5   |         |
|                   | 5W           |     | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   |         |
|                   | FT           |     | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   |         |
|                   | FTA          |     | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   |         |
|                   | AM           |     | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   |         |
|                   | LC/RC        |     | 17679            | 131      | B2-U0-G3   | 18710            | 139      | B2-U0-G3   | 18295            | 136      | B2-U0-G3   |         |
| 24L               | 2            | 70  | 24142            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 176     |
|                   | 3            |     | 25001            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   |         |
|                   | 4            |     | 24396            | 152      | B3-U0-G5   | 25600            | 160      | B3-U0-G5   | 25457            | 159      | B3-U0-G5   |         |
|                   | 5W           |     | 24327            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   |         |
|                   | FT           |     | 24994            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   |         |
|                   | FTA          |     | 24171            | 148      | B3-U0-G3   | 26077            | 148      | B4-U0-G3   | 26077            | 148      | B4-U0-G3   |         |
|                   | AM           |     | 24939            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   |         |
|                   | LC/RC        |     | 25884            | 162      | B3-U0-G4   | 25884            | 162      | B3-U0-G4   | 25310            | 158      | B3-U0-G4   |         |
| 30L               | 2            | 70  | 30171            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 232     |
|                   | 3            |     | 31243            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   |         |
|                   | 4            |     | 30631            | 144      | B3-U0-G5   | 32141            | 151      | B3-U0-G5   | 31961            | 150      | B3-U0-G5   |         |
|                   | 5W           |     | 30402            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   |         |
|                   | FT           |     | 31233            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 30207            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   |         |
|                   | AM           |     | 3116             | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   |         |
|                   | LC/RC        |     | 32498            | 153      | B3-U0-G5   | 32498            | 153      | B3-U0-G5   | 31777            | 149      | B3-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PERFORMANCE (CONT.)

| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 36L               | 2            | 70  | 35357            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 288     |
|                   | 3            |     | 36614            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   |         |
|                   | 4            |     | 35402            | 139      | B3-U0-G5   | 37148            | 146      | B4-U0-G5   | 36940            | 145      | B4-U0-G5   |         |
|                   | 5W           |     | 35627            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   |         |
|                   | FT           |     | 36602            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   |         |
|                   | FTA          |     | 35399            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   |         |
|                   | AM           |     | 36524            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   |         |
|                   | LC/RC        |     | 37561            | 147      | B3-U0-G5   | 37561            | 147      | B3-U0-G5   | 36727            | 144      | B3-U0-G5   |         |
| 42L               | 2            | 70  | 41035            | 131      | B5-U0-G4   | 42602            | 136      | B5-U0-G4   | 42542            | 135      | B5-U0-G4   | 314     |
|                   | 3            |     | 42493            | 135      | B4-U0-G5   | 44115            | 140      | B4-U0-G5   | 44053            | 140      | B4-U0-G5   |         |
|                   | 4            |     | 41453            | 132      | B4-U0-G5   | 43497            | 138      | B4-U0-G5   | 43254            | 138      | B4-U0-G5   |         |
|                   | 5W           |     | 41349            | 132      | B5-U0-G4   | 42927            | 134      | B5-U0-G4   | 42866            | 137      | B5-U0-G4   |         |
|                   | FT           |     | 42481            | 135      | B4-U0-G4   | 44103            | 140      | B4-U0-G4   | 44040            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 41083            | 131      | B4-U0-G4   | 42652            | 136      | B5-U0-G4   | 42591            | 136      | B5-U0-G4   |         |
|                   | AM           |     | 42389            | 135      | B4-U0-G3   | 44007            | 140      | B4-U0-G3   | 43944            | 140      | B4-U0-G3   |         |
|                   | LC/RC        |     | 43980            | 140      | B3-U0-G5   | 43980            | 140      | B3-U0-G5   | 43004            | 137      | B3-U0-G5   |         |
| 48L               | 2            | 70  | 45133            | 123      | B5-U0-G4   | 46856            | 128      | B5-U0-G4   | 46789            | 128      | B5-U0-G4   | 401     |
|                   | 3            |     | 46737            | 128      | B4-U0-G5   | 48521            | 133      | B4-U0-G5   | 48452            | 132      | B4-U0-G5   |         |
|                   | 4            |     | 46006            | 126      | B4-U0-G5   | 48275            | 132      | B4-U0-G5   | 48005            | 131      | B4-U0-G5   |         |
|                   | 5W           |     | 45478            | 124      | B5-U0-G4   | 47214            | 129      | B5-U0-G4   | 47147            | 129      | B5-U0-G4   |         |
|                   | FT           |     | 46723            | 128      | B4-U0-G5   | 48507            | 133      | B4-U0-G5   | 48438            | 132      | B4-U0-G5   |         |
|                   | FTA          |     | 45187            | 123      | B5-U0-G4   | 46912            | 128      | B5-U0-G4   | 46845            | 128      | B5-U0-G4   |         |
|                   | AM           |     | 4662             | 127      | B4-U0-G3   | 48402            | 132      | B4-U0-G3   | 48333            | 132      | B4-U0-G3   |         |
|                   | LC/RC        |     | 48811            | 133      | B4-U0-G5   | 48811            | 133      | B4-U0-G5   | 47728            | 130      | B4-U0-G5   |         |
| 55L               | 2            | 70  | 50179            | 115      | B5-U0-G4   | 52095            | 119      | B5-U0-G4   | 52021            | 119      | B5-U0-G4   | 438     |
|                   | 3            |     | 51963            | 119      | B4-U0-G5   | 53947            | 123      | B4-U0-G5   | 53870            | 123      | B4-U0-G5   |         |
|                   | 4            |     | 51635            | 119      | B4-U0-G5   | 54181            | 125      | B4-U0-G5   | 53878            | 124      | B4-U0-G5   |         |
|                   | 5W           |     | 50563            | 115      | B5-U0-G4   | 52493            | 120      | B5-U0-G4   | 52418            | 120      | B5-U0-G4   |         |
|                   | FT           |     | 50539            | 115      | B4-U0-G5   | 52468            | 120      | B4-U0-G5   | 52394            | 120      | B4-U0-G5   |         |
|                   | FTA          |     | 50239            | 115      | B5-U0-G4   | 52157            | 119      | B5-U0-G4   | 52082            | 119      | B5-U0-G4   |         |
|                   | AM           |     | 52223            | 119      | B4-U0-G3   | 54216            | 124      | B4-U0-G3   | 54139            | 124      | B4-U0-G3   |         |
|                   | LC/RC        |     | 54113            | 124      | B4-U0-G5   | 54113            | 124      | B4-U0-G5   | 52912            | 121      | B4-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE (CONT.)

| ELECTRICAL DATA (AMPS)* |      |      |      |      |      |      |
|-------------------------|------|------|------|------|------|------|
| Lumens                  | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L                      | 0.52 | 0.30 | 0.26 | 0.22 | 0.18 | 0.13 |
| 12L                     | 0.71 | 0.41 | 0.35 | 0.31 | 0.24 | 0.18 |
| 18L                     | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L                     | 1.33 | 0.77 | 0.67 | 0.58 | 0.46 | 0.33 |
| 30L                     | 1.78 | 1.02 | 0.89 | 0.77 | 0.61 | 0.44 |
| 36L                     | 2.12 | 1.22 | 1.06 | 0.92 | 0.73 | 0.53 |
| 42L                     | 2.62 | 1.51 | 1.31 | 1.13 | 0.90 | 0.65 |
| 48L                     | 3.05 | 1.76 | 1.53 | 1.32 | 1.05 | 0.76 |
| 55L                     | 3.65 | 2.11 | 1.83 | 1.58 | 1.26 | 0.91 |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (0-25°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 93%               | 90%               | 86%                |
| 24L - 48L   | 100%                 | 95%              | 89%               | 84%               | 79%                |
| 55L   | 100%                 | 91%              | 82%               | 74%               | 67%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (40°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 92%               | 88%               | 84%                |
| 24L - 48L   | 100%                 | 94%              | 87%               | 80%               | 74%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (50°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L C  | 100%                 | 96%              | 91%               | 87%               | 83%                |

\*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

| DELIVERED LUMENS* |              |                                       |          |            |         |
|-------------------|--------------|---------------------------------------|----------|------------|---------|
| Lumen Package     | Distribution | Phosphor Converted Amber (Peak 610nm) |          |            | Wattage |
|                   |              | Delivered Lumens                      | Efficacy | BUG Rating |         |
| 9L                | 2            | 5848                                  | 80       | B2-U0-G2   | 74      |
|                   | 3            | 6018                                  | 82       | B1-U0-G2   |         |
|                   | 5W           | 5471                                  | 74       | B3-U0-G1   |         |
|                   | FT           | 5801                                  | 79       | B1-U0-G2   |         |
|                   | FTA          | 5924                                  | 81       | B1-U0-G1   |         |
|                   | AM           | 5995                                  | 81       | B1-U0-G1   |         |
| 12L               | 2            | 7530                                  | 74       | B2-U0-G2   | 102     |
|                   | 3            | 7749                                  | 76       | B1-U0-G2   |         |
|                   | 5W           | 7045                                  | 69       | B3-U0-G2   |         |
|                   | FT           | 7470                                  | 73       | B2-U0-G2   |         |
|                   | FTA          | 7628                                  | 75       | B2-U0-G2   |         |
|                   | AM           | 7720                                  | 76       | B1-U0-G1   |         |
| 18L               | 2            | 9311                                  | 69       | B2-U0-G2   | 135     |
|                   | 3            | 9582                                  | 71       | B2-U0-G2   |         |
|                   | 5W           | 8712                                  | 65       | B3-U0-G2   |         |
|                   | FT           | 9237                                  | 68       | B2-U0-G2   |         |
|                   | FTA          | 9433                                  | 70       | B2-U0-G2   |         |
|                   | AM           | 9546                                  | 71       | B2-U0-G1   |         |
| 24L               | 2            | 10955                                 | 63       | B2-U0-G2   | 175     |
|                   | 3            | 11273                                 | 64       | B2-U0-G2   |         |
|                   | 5W           | 10249                                 | 59       | B3-U0-G2   |         |
|                   | FT           | 10867                                 | 62       | B2-U0-G2   |         |
|                   | FTA          | 11097                                 | 63       | B2-U0-G2   |         |
|                   | AM           | 11230                                 | 64       | B2-U0-G1   |         |

| ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)* |      |      |      |      |      |      |
|--|------|------|------|------|------|------|
| Lumens   | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L   | 0.62 | 0.36 | 0.31 | 0.27 | 0.21 | 0.15 |
| 12L  | 0.85 | 0.50 | 0.43 | 0.38 | 0.30 | 0.22 |
| 18L  | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L  | 1.47 | 0.85 | 0.73 | 0.64 | 0.51 | 0.37 |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PHOTOMETRICS

[Back to Quick Links](#)

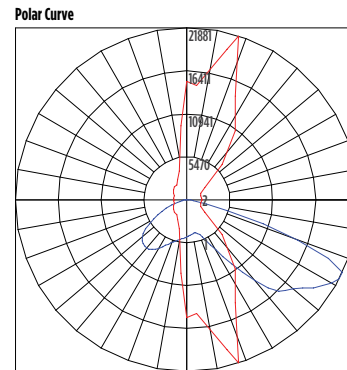
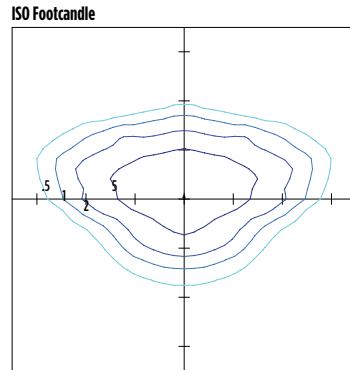
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

### MRM-LED-30L-SIL-2-40-70CRI

| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 2 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,416              |
| Watts               | 232                 |
| Efficacy            | 140                 |
| IES Type            | Type II - Short     |
| BUG Rating          | B4-U0-G3            |

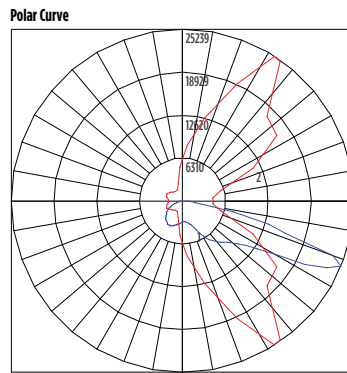
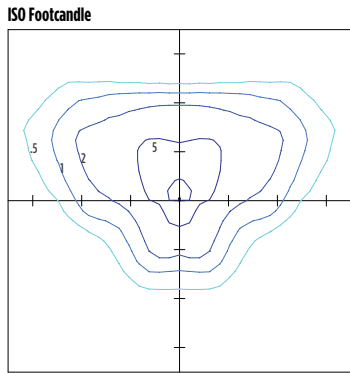
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 4796         | 15%         |
| Medium (30-60°)     | 19811        | 61%         |
| High (60-80°)       | 7474         | 23%         |
| Very High (80-90°)  | 335          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32416</b> | <b>100%</b> |



### MRM-LED-30L-SIL-3-40-70CRI

| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 3 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,656              |
| Watts               | 232                 |
| Efficacy            | 141                 |
| IES Type            | Type III - Short    |
| BUG Rating          | B3-U0-G4            |

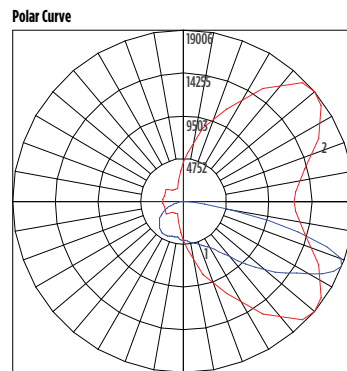
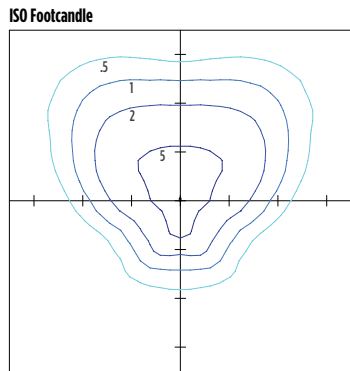
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3385         | 10%         |
| Medium (30-60°)     | 16250        | 50%         |
| High (60-80°)       | 12430        | 38%         |
| Very High (80-90°)  | 591          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32656</b> | <b>100%</b> |



### MRM-LED-30L-SIL-FT-40-70CRI

| Luminaire Data       |                     |
|----------------------|---------------------|
| Type FT Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 32,424              |
| Watts                | 232                 |
| Efficacy             | 140                 |
| IES Type             | Type IV - Short     |
| BUG Rating           | B3-U0-G4            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3952         | 12%         |
| Medium (30-60°)     | 15505        | 48%         |
| High (60-80°)       | 12279        | 38%         |
| Very High (80-90°)  | 688          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32424</b> | <b>100%</b> |



# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

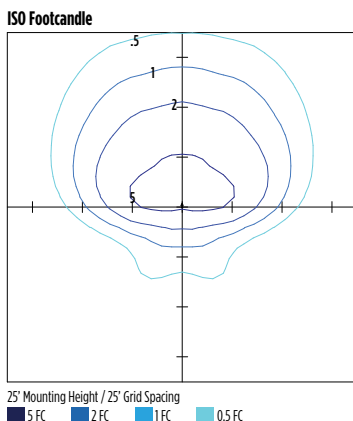
 Have questions? Call us at (800) 436-7800

## PHOTOMETRICS (CONT)

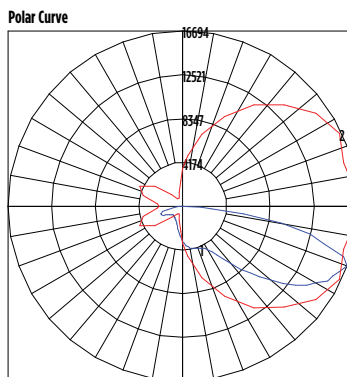
### MRM-LED-30L-SIL-4-40-70CRI

| Luminaire Data      |                      |
|---------------------|----------------------|
| Type 4 Distribution |                      |
| Description         | 4000 Kelvin, 70 CRI  |
| Delivered Lumens    | 32,141               |
| Watts               | 213                  |
| Efficacy            | 151                  |
| IES Type            | Type IV - Very Short |
| BUG Rating          | B3-U0-G5             |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3119         | 10%         |
| Medium (30-60°)     | 13569        | 42%         |
| High (60-80°)       | 13649        | 42%         |
| Very High (80-90°)  | 1804         | 6%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32141</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

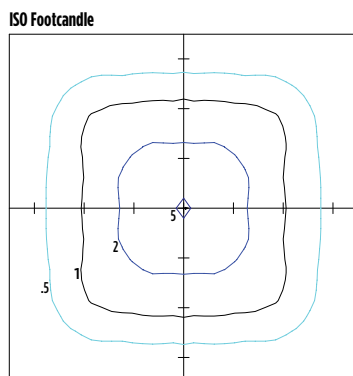


■ Vertical Plane ■ Horizontal Cone

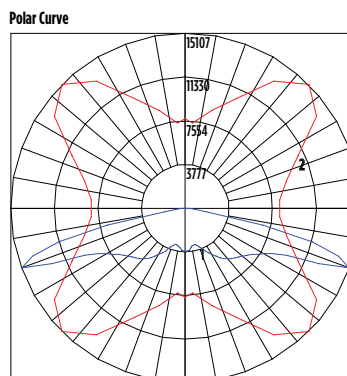
### MRM-LED-30L-SIL-5W-40-70CRI

| Luminaire Data       |                     |
|----------------------|---------------------|
| Type 5W Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 31,267              |
| Watts                | 232                 |
| Efficacy             | 135                 |
| IES Type             | Type VS - Short     |
| BUG Rating           | B5-U0-G3            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3138         | 10%         |
| Medium (30-60°)     | 13193        | 42%         |
| High (60-80°)       | 14641        | 47%         |
| Very High (80-90°)  | 296          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>31267</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

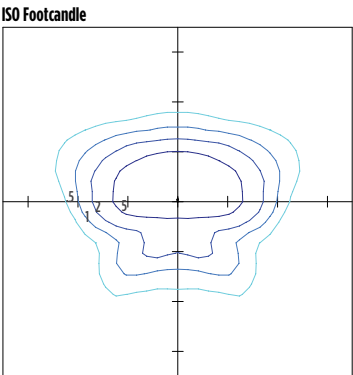


■ Vertical Plane ■ Horizontal Cone

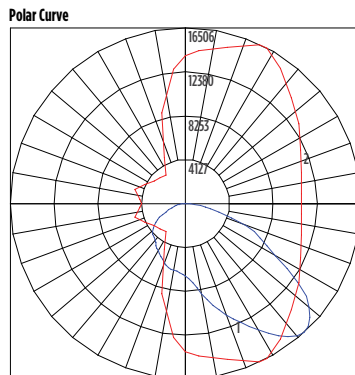
### MRM-LED-30L-SIL-FTA-40-70CRI

| Luminaire Data        |                     |
|-----------------------|---------------------|
| Type FTA Distribution |                     |
| Description           | 4000 Kelvin, 70 CRI |
| Delivered Lumens      | 32,566              |
| Watts                 | 232                 |
| Efficacy              | 140                 |
| IES Type              | Type VS - Short     |
| BUG Rating            | B4-U0-G3            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6986         | 21%         |
| Medium (30-60°)     | 19172        | 59%         |
| High (60-80°)       | 5875         | 18%         |
| Very High (80-90°)  | 534          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32566</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC



■ Vertical Plane ■ Horizontal Cone

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

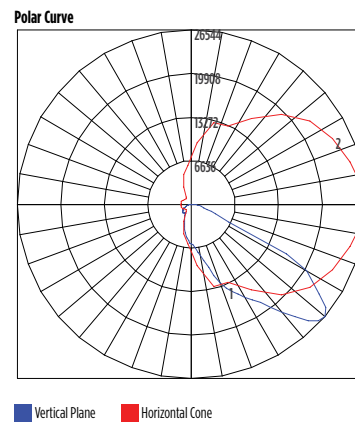
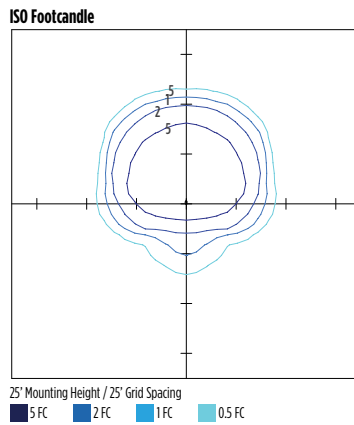
## PHOTOMETRICS (CONT)

[Back to Quick Links](#)

### MRM-LED-30L-SIL-AM-40-70CRI

| Luminaire Data       |                       |
|----------------------|-----------------------|
| Type AM Distribution |                       |
| Description          | 4000 Kelvin, 70 CRI   |
| Delivered Lumens     | 32,960                |
| Watts                | 232                   |
| Efficacy             | 142                   |
| IES Type             | Type III - Very Short |
| BUG Rating           | B3-U0-G3              |

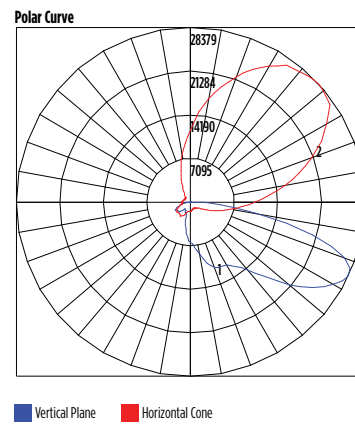
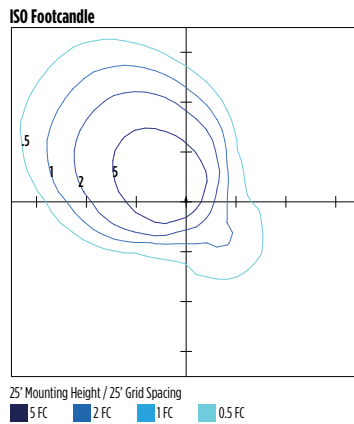
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6363         | 19%         |
| Medium (30-60°)     | 22026        | 67%         |
| High (60-80°)       | 4192         | 13%         |
| Very High (80-90°)  | 379          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32960</b> | <b>100%</b> |



### MRM-LED-30L-SIL-LC-40-70CRI

| Luminaire Data           |                     |
|--------------------------|---------------------|
| Left Corner Distribution |                     |
| Description              | 4000 Kelvin, 70 CRI |
| Delivered Lumens         | 32,498              |
| Watts                    | 213                 |
| Efficacy                 | 153                 |
| IES Type                 | N/A                 |
| BUG Rating               | B3-U0-G5            |

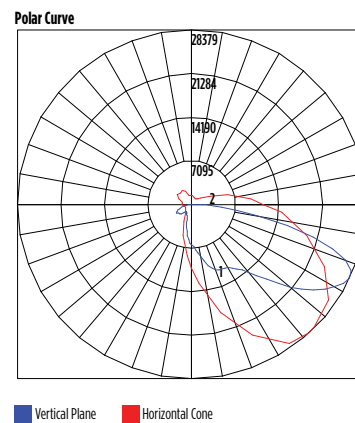
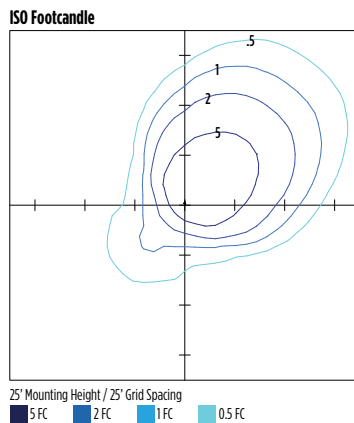
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |



### MRM-LED-30L-SIL-RC-40-70CRI

| Luminaire Data            |                     |
|---------------------------|---------------------|
| Right Corner Distribution |                     |
| Description               | 4000 Kelvin, 70 CRI |
| Delivered Lumens          | 32,498              |
| Watts                     | 213                 |
| Efficacy                  | 153                 |
| IES Type                  | N/A                 |
| BUG Rating                | B3-U0-G5            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |



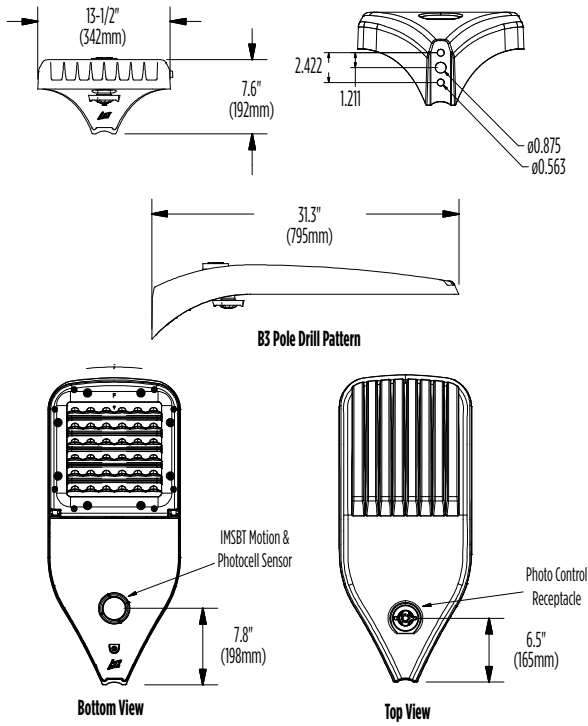








# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PRODUCT DIMENSIONS



| Luminaire EPA Chart   |        |     |     |     |     |
|---|--------|-----|-----|-----|-----|
| Tilt Degree   |        | 0°  | 15° | 30° | 45° |
|  | Single | 0.5 | 1.0 | 1.5 | 1.9 |
|  | D180°  | 1.0 | 1.5 | 1.5 | 1.9 |
|  | D90°   | 0.8 | 1.8 | 1.9 | 2.3 |
|  | T90°   | 1.0 | 4.0 | 2.5 | 2.8 |
|  | TN120° | 1.0 | 2.9 | 3.3 | 3.9 |
|  | Q90°   | 1.0 | 4.0 | 2.5 | 2.8 |

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## CONTROLS

### Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more details about IMSBT](#)



LEVITON App



Apple



Android

### AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple

### Sensor Sequence of Operations

| Standard Programming | On Event | Off Event | On Light Level | Dim Light Level | Daylight Harvesting  | Delay To Off | Sensitivity |
|----------------------|----------|-----------|----------------|-----------------|----------------------|--------------|-------------|
| OMSBTxL/IMSBTxL      | Motion   | No Motion | 100%           | N/A             | On; Auto Calibration | 20 minutes   | High        |
| OMS                  | Motion   | No Motion | N/A            | N/A             | N/A                  | 30 seconds   | Auto        |

| Operation              | Description  |
|------------------------|--|
| <b>On Event</b>        | Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.   |
| <b>Off Event</b>       | Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.   |
| <b>On Light Level</b>  | The light level that the fixtures will turn on to when ON EVENT occurs.  |
| <b>Dim Light Level</b> | The light level that the fixtures will dim down to when no motion is detected.   |
| <b>Delay to Dim</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.  |
| <b>Delay to Off</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.  |
| <b>Sensitivity</b>     | The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view. |



# Mirada Medium (MRM)

## Outdoor LED Area Light



### OVERVIEW

|                      |                                |
|----------------------|--------------------------------|
| Lumen Package        | 7,000 - 55,000                 |
| Wattage Range        | 48 - 438                       |
| Efficacy Range (LPW) | 115 - 162                      |
| Weight lbs(kg)       | 30 (13.6)                      |
| Control Options      | IMSBT, ALB, ALS,<br>7-Pin, PCI |

### QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

## FEATURES & SPECIFICATIONS

### Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

### Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 4, 5W, FT, FTA, AM, and LC/RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

### Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C. 55L lumen package rate to +35°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

### Controls

- Optional integral passive infrared Bluetooth™ motion. Fixtures operate independently and can be commissioned via iOS or Android configuration app
- LSI's AirLink™ wireless control system options reduce energy and maintenance

costs while optimizing light quality 24/7. (see controls section for more details).

### Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products.

### Warranty

- LSI LED Fixtures carry a 5-year warranty.

### Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- RoHS compliant
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)
- IK08 rated luminaire per IEC 66262 mechanical impact code

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

[Back to Quick Links](#)

**TYPICAL ORDER EXAMPLE: MRM LED 36L SIL FTA UNV DIM 50 70CRI ALS04 BRZ IL**

| Prefix                                | Light Source | Lumen Package   | Lens                  | Distribution  | Orientation <sup>2</sup>   | Voltage  | Driver                             |
|---------------------------------------|--------------|---|-----------------------|---|--|--|------------------------------------|
| <b>MRM</b> - Mirada Medium Area Light | <b>LED</b>   | <b>7L</b> - 7,000 lms, 48W<br><b>9L</b> - 9,000 lms, 62W<br><b>12L</b> - 12,000 lms, 85W<br><b>18L</b> - 18,000 lms, 135W<br><b>24L</b> - 24,000 lms, 176W<br><b>30L</b> - 30,000 lms, 232W<br><b>36L</b> - 36,000 lms, 288W<br><b>42L</b> - 42,000 lms, 314W<br><b>48L</b> - 48,000 lms, 401W<br><b>55L</b> - 55,000 lms, 438W<br>Custom Lumen Packages <sup>1</sup> | <b>SIL</b> - Silicone | <b>2</b> - Type 2<br><b>3</b> - Type 3<br><b>4</b> - Type 4<br><b>5W</b> - Type 5 Wide<br><b>FT</b> - Forward Throw<br><b>FTA</b> - Forward Throw Automotive<br><b>AM</b> - Automotive Merchandise<br><b>LC</b> - Left Corner<br><b>RC</b> - Right Corner | <b>(blank)</b> - standard<br><b>L</b> - Optics rotated left 90°<br><b>R</b> - Optics rotated right 90° | <b>UNV</b> - Universal Voltage (120-277V)<br><b>HV</b> - High Voltage (347-480V) | <b>DIM</b> - 0-10V Dimming (0-10%) |

| Color Temp   | Color Rendering       | Finish   | Options   |
|--|-----------------------|--|---|
| <b>50</b> - 5,000 CCT<br><b>40</b> - 4,000 CCT<br><b>30</b> - 3,000 CCT<br><b>AMB</b> - Phosphor Converted Amber <sup>12</sup> | <b>70CRI</b> - 70 CRI | <b>BLK</b> - Black<br><b>BRZ</b> - Dark Bronze<br><b>GMG</b> - Gun Metal Gray<br><b>GPT</b> - Graphite | <b>MSV</b> - Metallic Silver<br><b>PLP</b> - Platinum Plus<br><b>SVG</b> - Satin Verde Green<br><b>WHT</b> - White<br><br><b>(Blank)</b> - None<br><b>IH</b> - Integral Half Louver (Moderate Spill Light Cutoff) <sup>2</sup><br><b>IL</b> - Integral Louver (Sharp Spill Light Cutoff) <sup>2</sup> |

### Controls (Choose One)

**(Blank)** - None

#### Wireless Controls System

- ALSC** - AirLink Synapse Control System<sup>13</sup>
- ALSC02** - AirLink Synapse Control System with 12-20' Motion Sensor<sup>13</sup>
- ALSC04** - AirLink Synapse Control System with 20-40' Motion Sensor<sup>13</sup>
- ALBCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height)<sup>5</sup>
- ALBCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height)<sup>5</sup>

#### Stand-Alone Controls

- EXT** - 0-10V Dimming leads extended to housing exterior
- CR7P** - 7 Pin Control Receptacle ANSI C136.41<sup>6</sup>
- IMSBTL1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)<sup>5</sup>
- IMSBTL2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)<sup>5</sup>

#### Button Type Photocells

- PC120** - 120V
- PC208-277** - 208 - 277V
- PC347** - 347V



**Need more information?**  
Click here for our glossary

**Have additional questions?**  
Call us at (800) 436-7800



## ACCESSORY ORDERING INFORMATION<sup>7</sup>

| CONTROLS ACCESSORIES   |                |
|--|----------------|
| Description  | Order Number   |
| PC120 Photocell for use with CR7P option (120V) <sup>8</sup>                 | <b>122514</b>  |
| PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) <sup>8</sup> | <b>122515</b>  |
| Twist Lock Photocell (347V) for use with CR7P <sup>8</sup>                   | <b>122516</b>  |
| Twist Lock Photocell (480V) for use with CR7P <sup>8</sup>                   | <b>1225180</b> |
| AirLink 5 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661409</b>  |
| AirLink 7 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661410</b>  |
| AirLink 7 Pin Twist Lock Controller (347-480V)                               | <b>679948</b>  |
| Shorting Cap for use with CR7P   | <b>149328</b>  |

| FUSING OPTIONS <sup>11</sup> |  |
|------------------------------|--|
| Single Fusing (120V)         | <a href="#">See Fusing Accessory Guide</a> |
| Single Fusing (277V)         |  |
| Double Fusing (208V, 240V)   |  |
| Double Fusing (480V)         |  |
| Double Fusing (347V)         |  |

| SHIELDING OPTIONS |                                     |
|-------------------|-------------------------------------|
| Mirada Small      | <a href="#">See Shielding Guide</a> |
| Mirada Medium     |                                     |
| Mirada Large      |                                     |
| Zone Medium       |                                     |
| Slice Medium      |                                     |

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available with 5W distribution
3. Consult Factory for availability.
4. Not available in HV.
5. Motion sensors are field configurable via an app that can be downloaded from your smartphone's native app store. See controls section for more details.
6. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.

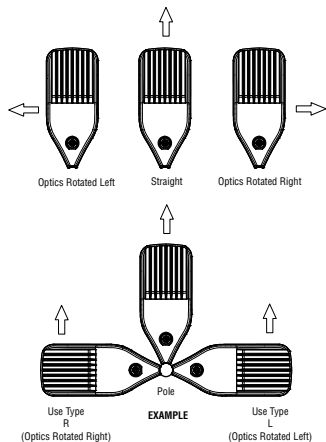
7. Accessories are shipped separately and field installed.
8. Factory installed CR7P option required. See Options.
9. "CLR" denotes finish. See Finish options.
10. Only available with ALSC/ALSCH control options.
11. Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.
12. Only available in 9L, 12L, 18L and 24L Lumen Packages. Consult factory for lead time and availability.
13. Not available with 55L Lumen Package.

## ACCESSORIES

| MOUNTING ACCESSORIES   |   | SHIELDING, POLES & MISC. ACCESSORIES |           |   |  |
|------------------------|---|--------------------------------------|-----------|---|--|
| Side Arm               | <b>Universal Mounting Bracket</b><br>Mounts to $\geq 3"$ square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5" to 5"<br><b>Part Number: BKA UMB CLR</b> |                                      | Shielding | <b>Integral Louver</b><br>Field Install Integral Louver provides maximum backlight control by shielding each individual row of LEDs<br><b>Part Number: 690981</b>   |  |
|                        | <b>Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS POM B3B5 XX CLR</b>           |                                      |           | <b>Integral Half Louver</b><br>Field Install Integral Half Louver provides great backlight control without impacting front side distribution.<br><b>Part Number: 743415</b>   |  |
|                        | <b>15° Tilt Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS PQ15 B3B5 XX CLR</b> |                                      |           | <b>External Shield</b><br>External shield blocks view of light source from any side of luminaire, additional shielding configurations available<br><b>Part Number: 783607BLK (3") / 776538BLK (6")</b>  |  |
| Tenon / Slipfitter     | <b>Adjustable Slipfitter</b><br>Mounts onto a 2" (51mm) I.P., 2.375" (60mm) O.D. tenon and provides 180° of tilt (max 45° above horizontal)<br><b>Part Number: BKA ASF CLR</b>        |                                      | Poles     | <b>Square Poles</b><br>14 - 39" steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction<br><b>Part Number: 4SQ/5SQ/6SQ</b>  |  |
|                        | <b>Square Tenon Top</b><br>Mounts onto a 2" (51mm) I.P., 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires<br><b>Part Number: BKA XNM *</b>                         |                                      |           | <b>Round Poles</b><br>10 - 30" steel and aluminum poles in 4" and 5" sizes for retrofit and new construction<br><b>Part Number: 4RP/SRP</b>   |  |
|                        | <b>Square Internal Slipfitter</b><br>Mounts inside 4" or 5" square pole and allows for mounting up to 4 luminaires<br><b>Part Number: BKA X_ISF * CLR</b>                             |                                      |           | <b>Tapered Poles</b><br>20" - 39" steel and aluminum poles for retrofit and new construction<br><b>Part Number: RTP</b>   |  |
| Wall Mount / Wood Pole | <b>Wall Mount Bracket</b><br>Mounts onto vertical wall surface (hardware/anchors not included)<br><b>Part Number: BKS XB0 WM CLR</b>  |                                      | Misc.     | <b>Bird Spikes</b><br>10' Linear Bird Spike Kit, 4" recommended per luminaire, includes silicone adhesive and application tool<br><b>Spike Part Number: 751631</b><br><b>Adhesive Part Number: 751632</b><br><b>Caulk Gun Part Number: 751636</b>   |  |
|                        | <b>Wood Pole Bracket</b><br>Mounts onto wooden poles (6" minimum OD, hardware/anchors not included)<br><b>Part Number: BKS XB0 WP CLR</b>   |                                      |           | Replace CLR with paint finish description<br>Replace X with: 3<br>Replace XX with SQ for square pole or RD for round pole ( $\geq 3"$ OD)<br>Replace * with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)<br>Replace _ with 4 (4" square pole) or 5 (5" square pole) |  |

## OPTICS ROTATION

Top View



## ACCESSORIES/OPTIONS

### Integral Louver (IL) and House-Side Shield (IH)

Integral louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate

Luminaire Shown with Integral Louver (IL)



Luminaire Shown with IMSBTL Option



### 7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P



# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PERFORMANCE

[Back to Quick Links](#)

| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 9L                | 2            | 70  | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 62      |
|                   | 3            |     | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   |         |
|                   | 4            |     | 9178             | 148      | B2-U0-G3   | 9713             | 157      | B2-U0-G3   | 9498             | 153      | B2-U0-G3   |         |
|                   | 5W           |     | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   |         |
|                   | FT           |     | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   |         |
|                   | FTA          |     | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   |         |
|                   | AM           |     | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   |         |
|                   | LC/RC        |     | 9008             | 145      | B2-U0-G3   | 9533             | 154      | B2-U0-G3   | 9321             | 150      | B2-U0-G3   |         |
| 12L               | 2            | 70  | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 85      |
|                   | 3            |     | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   |         |
|                   | 4            |     | 12223            | 144      | B2-U0-G3   | 12935            | 152      | B2-U0-G4   | 12648            | 149      | B2-U0-G4   |         |
|                   | 5W           |     | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   |         |
|                   | FT           |     | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   |         |
|                   | FTA          |     | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   |         |
|                   | AM           |     | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   |         |
|                   | LC/RC        |     | 11996            | 141      | B2-U0-G3   | 12695            | 149      | B2-U0-G3   | 12414            | 146      | B2-U0-G3   |         |
| 18L               | 2            | 70  | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 135     |
|                   | 3            |     | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   |         |
|                   | 4            |     | 18013            | 133      | B2-U0-G4   | 19063            | 141      | B3-U0-G5   | 18640            | 138      | B3-U0-G5   |         |
|                   | 5W           |     | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   |         |
|                   | FT           |     | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   |         |
|                   | FTA          |     | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   |         |
|                   | AM           |     | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   |         |
|                   | LC/RC        |     | 17679            | 131      | B2-U0-G3   | 18710            | 139      | B2-U0-G3   | 18295            | 136      | B2-U0-G3   |         |
| 24L               | 2            | 70  | 24142            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 176     |
|                   | 3            |     | 25001            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   |         |
|                   | 4            |     | 24396            | 152      | B3-U0-G5   | 25600            | 160      | B3-U0-G5   | 25457            | 159      | B3-U0-G5   |         |
|                   | 5W           |     | 24327            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   |         |
|                   | FT           |     | 24994            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   |         |
|                   | FTA          |     | 24171            | 148      | B3-U0-G3   | 26077            | 148      | B4-U0-G3   | 26077            | 148      | B4-U0-G3   |         |
|                   | AM           |     | 24939            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   |         |
|                   | LC/RC        |     | 25884            | 162      | B3-U0-G4   | 25884            | 162      | B3-U0-G4   | 25310            | 158      | B3-U0-G4   |         |
| 30L               | 2            | 70  | 30171            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 232     |
|                   | 3            |     | 31243            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   |         |
|                   | 4            |     | 30631            | 144      | B3-U0-G5   | 32141            | 151      | B3-U0-G5   | 31961            | 150      | B3-U0-G5   |         |
|                   | 5W           |     | 30402            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   |         |
|                   | FT           |     | 31233            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 30207            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   |         |
|                   | AM           |     | 3116             | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   |         |
|                   | LC/RC        |     | 32498            | 153      | B3-U0-G5   | 32498            | 153      | B3-U0-G5   | 31777            | 149      | B3-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE (CONT.)

| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 36L               | 2            | 70  | 35357            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 288     |
|                   | 3            |     | 36614            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   |         |
|                   | 4            |     | 35402            | 139      | B3-U0-G5   | 37148            | 146      | B4-U0-G5   | 36940            | 145      | B4-U0-G5   |         |
|                   | 5W           |     | 35627            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   |         |
|                   | FT           |     | 36602            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   |         |
|                   | FTA          |     | 35399            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   |         |
|                   | AM           |     | 36524            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   |         |
|                   | LC/RC        |     | 37561            | 147      | B3-U0-G5   | 37561            | 147      | B3-U0-G5   | 36727            | 144      | B3-U0-G5   |         |
| 42L               | 2            | 70  | 41035            | 131      | B5-U0-G4   | 42602            | 136      | B5-U0-G4   | 42542            | 135      | B5-U0-G4   | 314     |
|                   | 3            |     | 42493            | 135      | B4-U0-G5   | 44115            | 140      | B4-U0-G5   | 44053            | 140      | B4-U0-G5   |         |
|                   | 4            |     | 41453            | 132      | B4-U0-G5   | 43497            | 138      | B4-U0-G5   | 43254            | 138      | B4-U0-G5   |         |
|                   | 5W           |     | 41349            | 132      | B5-U0-G4   | 42927            | 134      | B5-U0-G4   | 42866            | 137      | B5-U0-G4   |         |
|                   | FT           |     | 42481            | 135      | B4-U0-G4   | 44103            | 140      | B4-U0-G4   | 44040            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 41083            | 131      | B4-U0-G4   | 42652            | 136      | B5-U0-G4   | 42591            | 136      | B5-U0-G4   |         |
|                   | AM           |     | 42389            | 135      | B4-U0-G3   | 44007            | 140      | B4-U0-G3   | 43944            | 140      | B4-U0-G3   |         |
|                   | LC/RC        |     | 43980            | 140      | B3-U0-G5   | 43980            | 140      | B3-U0-G5   | 43004            | 137      | B3-U0-G5   |         |
| 48L               | 2            | 70  | 45133            | 123      | B5-U0-G4   | 46856            | 128      | B5-U0-G4   | 46789            | 128      | B5-U0-G4   | 401     |
|                   | 3            |     | 46737            | 128      | B4-U0-G5   | 48521            | 133      | B4-U0-G5   | 48452            | 132      | B4-U0-G5   |         |
|                   | 4            |     | 46006            | 126      | B4-U0-G5   | 48275            | 132      | B4-U0-G5   | 48005            | 131      | B4-U0-G5   |         |
|                   | 5W           |     | 45478            | 124      | B5-U0-G4   | 47214            | 129      | B5-U0-G4   | 47147            | 129      | B5-U0-G4   |         |
|                   | FT           |     | 46723            | 128      | B4-U0-G5   | 48507            | 133      | B4-U0-G5   | 48438            | 132      | B4-U0-G5   |         |
|                   | FTA          |     | 45187            | 123      | B5-U0-G4   | 46912            | 128      | B5-U0-G4   | 46845            | 128      | B5-U0-G4   |         |
|                   | AM           |     | 4662             | 127      | B4-U0-G3   | 48402            | 132      | B4-U0-G3   | 48333            | 132      | B4-U0-G3   |         |
|                   | LC/RC        |     | 48811            | 133      | B4-U0-G5   | 48811            | 133      | B4-U0-G5   | 47728            | 130      | B4-U0-G5   |         |
| 55L               | 2            | 70  | 50179            | 115      | B5-U0-G4   | 52095            | 119      | B5-U0-G4   | 52021            | 119      | B5-U0-G4   | 438     |
|                   | 3            |     | 51963            | 119      | B4-U0-G5   | 53947            | 123      | B4-U0-G5   | 53870            | 123      | B4-U0-G5   |         |
|                   | 4            |     | 51635            | 119      | B4-U0-G5   | 54181            | 125      | B4-U0-G5   | 53878            | 124      | B4-U0-G5   |         |
|                   | 5W           |     | 50563            | 115      | B5-U0-G4   | 52493            | 120      | B5-U0-G4   | 52418            | 120      | B5-U0-G4   |         |
|                   | FT           |     | 50539            | 115      | B4-U0-G5   | 52468            | 120      | B4-U0-G5   | 52394            | 120      | B4-U0-G5   |         |
|                   | FTA          |     | 50239            | 115      | B5-U0-G4   | 52157            | 119      | B5-U0-G4   | 52082            | 119      | B5-U0-G4   |         |
|                   | AM           |     | 52223            | 119      | B4-U0-G3   | 54216            | 124      | B4-U0-G3   | 54139            | 124      | B4-U0-G3   |         |
|                   | LC/RC        |     | 54113            | 124      | B4-U0-G5   | 54113            | 124      | B4-U0-G5   | 52912            | 121      | B4-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE (CONT.)

| ELECTRICAL DATA (AMPS)* |      |      |      |      |      |      |
|-------------------------|------|------|------|------|------|------|
| Lumens                  | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L                      | 0.52 | 0.30 | 0.26 | 0.22 | 0.18 | 0.13 |
| 12L                     | 0.71 | 0.41 | 0.35 | 0.31 | 0.24 | 0.18 |
| 18L                     | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L                     | 1.33 | 0.77 | 0.67 | 0.58 | 0.46 | 0.33 |
| 30L                     | 1.78 | 1.02 | 0.89 | 0.77 | 0.61 | 0.44 |
| 36L                     | 2.12 | 1.22 | 1.06 | 0.92 | 0.73 | 0.53 |
| 42L                     | 2.62 | 1.51 | 1.31 | 1.13 | 0.90 | 0.65 |
| 48L                     | 3.05 | 1.76 | 1.53 | 1.32 | 1.05 | 0.76 |
| 55L                     | 3.65 | 2.11 | 1.83 | 1.58 | 1.26 | 0.91 |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (0-25°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 93%               | 90%               | 86%                |
| 24L - 48L   | 100%                 | 95%              | 89%               | 84%               | 79%                |
| 55L   | 100%                 | 91%              | 82%               | 74%               | 67%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (40°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 92%               | 88%               | 84%                |
| 24L - 48L   | 100%                 | 94%              | 87%               | 80%               | 74%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (50°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L C  | 100%                 | 96%              | 91%               | 87%               | 83%                |

\*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

| DELIVERED LUMENS* |              |                                       |          |            |         |
|-------------------|--------------|---------------------------------------|----------|------------|---------|
| Lumen Package     | Distribution | Phosphor Converted Amber (Peak 610nm) |          |            | Wattage |
|                   |              | Delivered Lumens                      | Efficacy | BUG Rating |         |
| 9L                | 2            | 5848                                  | 80       | B2-U0-G2   | 74      |
|                   | 3            | 6018                                  | 82       | B1-U0-G2   |         |
|                   | 5W           | 5471                                  | 74       | B3-U0-G1   |         |
|                   | FT           | 5801                                  | 79       | B1-U0-G2   |         |
|                   | FTA          | 5924                                  | 81       | B1-U0-G1   |         |
|                   | AM           | 5995                                  | 81       | B1-U0-G1   |         |
| 12L               | 2            | 7530                                  | 74       | B2-U0-G2   | 102     |
|                   | 3            | 7749                                  | 76       | B1-U0-G2   |         |
|                   | 5W           | 7045                                  | 69       | B3-U0-G2   |         |
|                   | FT           | 7470                                  | 73       | B2-U0-G2   |         |
|                   | FTA          | 7628                                  | 75       | B2-U0-G2   |         |
|                   | AM           | 7720                                  | 76       | B1-U0-G1   |         |
| 18L               | 2            | 9311                                  | 69       | B2-U0-G2   | 135     |
|                   | 3            | 9582                                  | 71       | B2-U0-G2   |         |
|                   | 5W           | 8712                                  | 65       | B3-U0-G2   |         |
|                   | FT           | 9237                                  | 68       | B2-U0-G2   |         |
|                   | FTA          | 9433                                  | 70       | B2-U0-G2   |         |
|                   | AM           | 9546                                  | 71       | B2-U0-G1   |         |
| 24L               | 2            | 10955                                 | 63       | B2-U0-G2   | 175     |
|                   | 3            | 11273                                 | 64       | B2-U0-G2   |         |
|                   | 5W           | 10249                                 | 59       | B3-U0-G2   |         |
|                   | FT           | 10867                                 | 62       | B2-U0-G2   |         |
|                   | FTA          | 11097                                 | 63       | B2-U0-G2   |         |
|                   | AM           | 11230                                 | 64       | B2-U0-G1   |         |

| ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)* |      |      |      |      |      |      |
|--|------|------|------|------|------|------|
| Lumens   | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L   | 0.62 | 0.36 | 0.31 | 0.27 | 0.21 | 0.15 |
| 12L  | 0.85 | 0.50 | 0.43 | 0.38 | 0.30 | 0.22 |
| 18L  | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L  | 1.47 | 0.85 | 0.73 | 0.64 | 0.51 | 0.37 |

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# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PHOTOMETRICS

[Back to Quick Links](#)

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

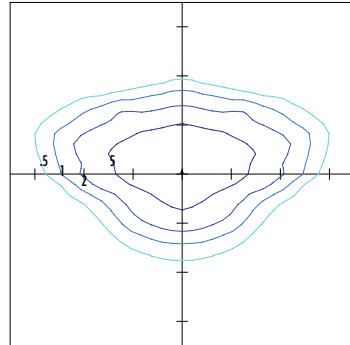
See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

### MRM-LED-30L-SIL-2-40-70CRI

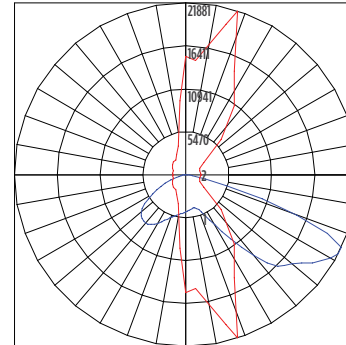
| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 2 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,416              |
| Watts               | 232                 |
| Efficacy            | 140                 |
| IES Type            | Type II - Short     |
| BUG Rating          | B4-U0-G3            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 4796         | 15%         |
| Medium (30-60°)     | 19811        | 61%         |
| High (60-80°)       | 7474         | 23%         |
| Very High (80-90°)  | 335          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32416</b> | <b>100%</b> |

ISO Footcandle



Polar Curve

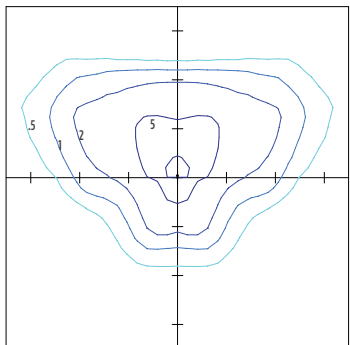


### MRM-LED-30L-SIL-3-40-70CRI

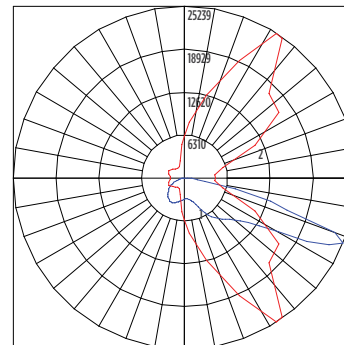
| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 3 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,656              |
| Watts               | 232                 |
| Efficacy            | 141                 |
| IES Type            | Type III - Short    |
| BUG Rating          | B3-U0-G4            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3385         | 10%         |
| Medium (30-60°)     | 16250        | 50%         |
| High (60-80°)       | 12430        | 38%         |
| Very High (80-90°)  | 591          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32656</b> | <b>100%</b> |

ISO Footcandle



Polar Curve

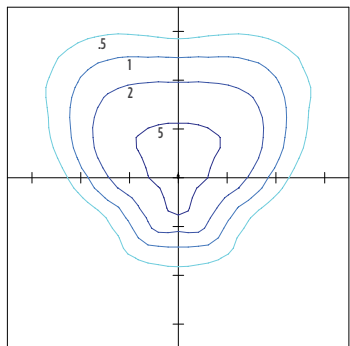


### MRM-LED-30L-SIL-FT-40-70CRI

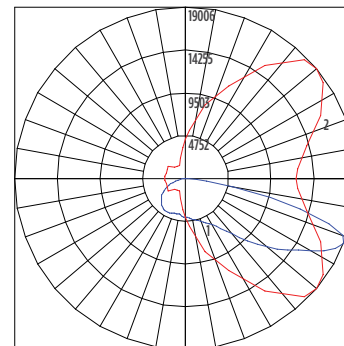
| Luminaire Data       |                     |
|----------------------|---------------------|
| Type FT Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 32,424              |
| Watts                | 232                 |
| Efficacy             | 140                 |
| IES Type             | Type IV - Short     |
| BUG Rating           | B3-U0-G4            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3952         | 12%         |
| Medium (30-60°)     | 15505        | 48%         |
| High (60-80°)       | 12279        | 38%         |
| Very High (80-90°)  | 688          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32424</b> | <b>100%</b> |

ISO Footcandle



Polar Curve



# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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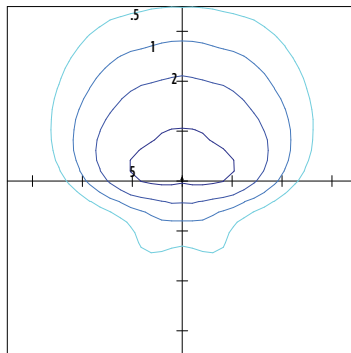
## PHOTOMETRICS (CONT)

### MRM-LED-30L-SIL-4-40-70CRI

| Luminaire Data      |                      |
|---------------------|----------------------|
| Type 4 Distribution |                      |
| Description         | 4000 Kelvin, 70 CRI  |
| Delivered Lumens    | 32,141               |
| Watts               | 213                  |
| Efficacy            | 151                  |
| IES Type            | Type IV - Very Short |
| BUG Rating          | B3-U0-G5             |

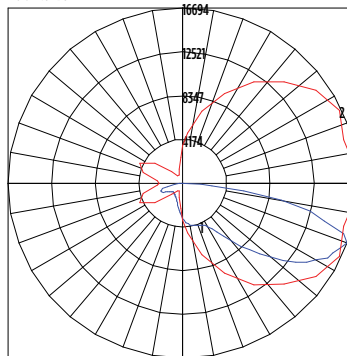
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3119         | 10%         |
| Medium (30-60°)     | 13569        | 42%         |
| High (60-80°)       | 13649        | 42%         |
| Very High (80-90°)  | 1804         | 6%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32141</b> | <b>100%</b> |

ISO Footcandle



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



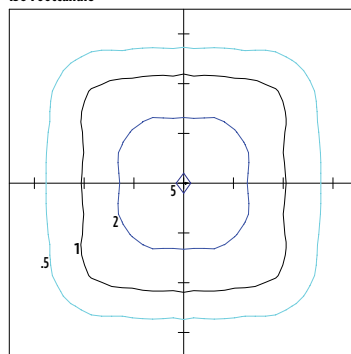
■ Vertical Plane ■ Horizontal Cone

### MRM-LED-30L-SIL-5W-40-70CRI

| Luminaire Data       |                     |
|----------------------|---------------------|
| Type 5W Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 31,267              |
| Watts                | 232                 |
| Efficacy             | 135                 |
| IES Type             | Type VS - Short     |
| BUG Rating           | B5-U0-G3            |

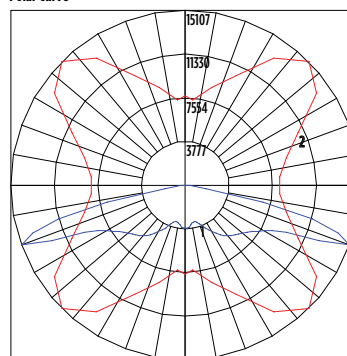
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3138         | 10%         |
| Medium (30-60°)     | 13193        | 42%         |
| High (60-80°)       | 14641        | 47%         |
| Very High (80-90°)  | 296          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>31267</b> | <b>100%</b> |

ISO Footcandle



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



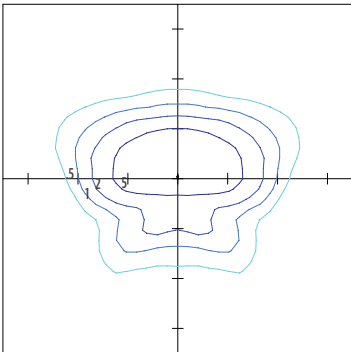
■ Vertical Plane ■ Horizontal Cone

### MRM-LED-30L-SIL-FTA-40-70CRI

| Luminaire Data        |                     |
|-----------------------|---------------------|
| Type FTA Distribution |                     |
| Description           | 4000 Kelvin, 70 CRI |
| Delivered Lumens      | 32,566              |
| Watts                 | 232                 |
| Efficacy              | 140                 |
| IES Type              | Type VS - Short     |
| BUG Rating            | B4-U0-G3            |

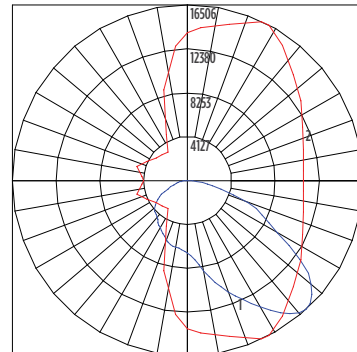
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6986         | 21%         |
| Medium (30-60°)     | 19172        | 59%         |
| High (60-80°)       | 5875         | 18%         |
| Very High (80-90°)  | 534          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32566</b> | <b>100%</b> |

ISO Footcandle



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

Polar Curve



■ Vertical Plane ■ Horizontal Cone

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

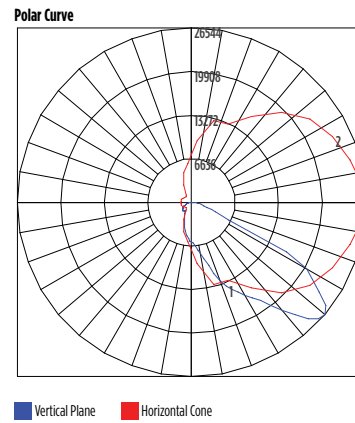
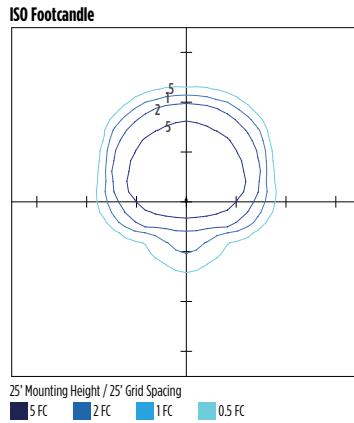
## PHOTOMETRICS (CONT)

[Back to Quick Links](#)

### MRM-LED-30L-SIL-AM-40-70CRI

| Luminaire Data       |                       |
|----------------------|-----------------------|
| Type AM Distribution |                       |
| Description          | 4000 Kelvin, 70 CRI   |
| Delivered Lumens     | 32,960                |
| Watts                | 232                   |
| Efficacy             | 142                   |
| IES Type             | Type III - Very Short |
| BUG Rating           | B3-U0-G3              |

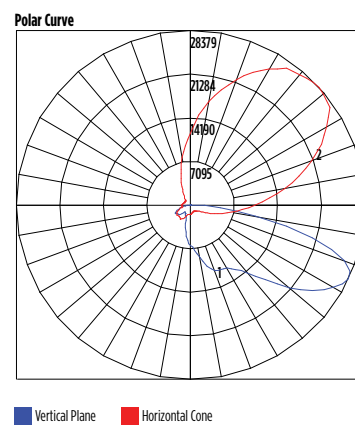
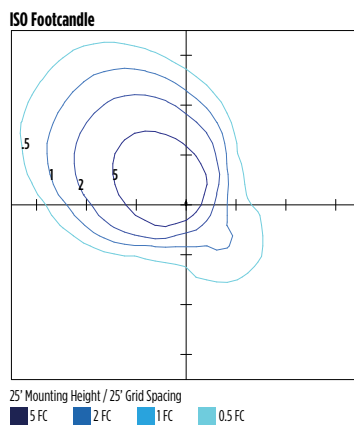
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6363         | 19%         |
| Medium (30-60°)     | 22026        | 67%         |
| High (60-80°)       | 4192         | 13%         |
| Very High (80-90°)  | 379          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32960</b> | <b>100%</b> |



### MRM-LED-30L-SIL-LC-40-70CRI

| Luminaire Data           |                     |
|--------------------------|---------------------|
| Left Corner Distribution |                     |
| Description              | 4000 Kelvin, 70 CRI |
| Delivered Lumens         | 32,498              |
| Watts                    | 213                 |
| Efficacy                 | 153                 |
| IES Type                 | N/A                 |
| BUG Rating               | B3-U0-G5            |

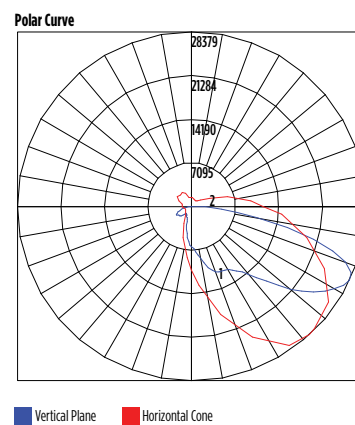
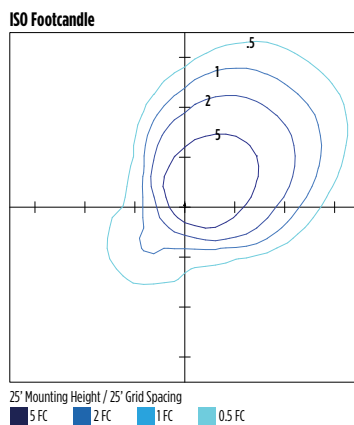
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |



### MRM-LED-30L-SIL-RC-40-70CRI

| Luminaire Data            |                     |
|---------------------------|---------------------|
| Right Corner Distribution |                     |
| Description               | 4000 Kelvin, 70 CRI |
| Delivered Lumens          | 32,498              |
| Watts                     | 213                 |
| Efficacy                  | 153                 |
| IES Type                  | N/A                 |
| BUG Rating                | B3-U0-G5            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |

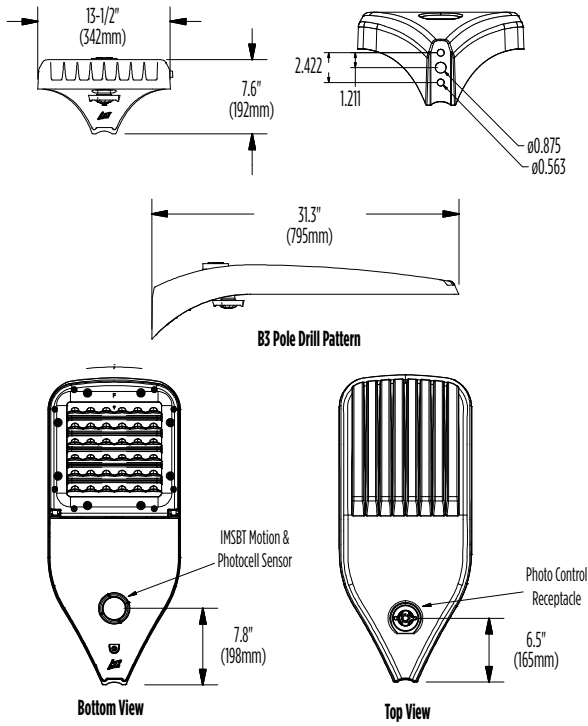








# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## PRODUCT DIMENSIONS



| Luminaire EPA Chart   |        |     |     |     |     |
|---|--------|-----|-----|-----|-----|
| Tilt Degree   |        | 0°  | 15° | 30° | 45° |
|  | Single | 0.5 | 1.0 | 1.5 | 1.9 |
|  | D180°  | 1.0 | 1.5 | 1.5 | 1.9 |
|  | D90°   | 0.8 | 1.8 | 1.9 | 2.3 |
|  | T90°   | 1.0 | 4.0 | 2.5 | 2.8 |
|  | TN120° | 1.0 | 2.9 | 3.3 | 3.9 |
|  | Q90°   | 1.0 | 4.0 | 2.5 | 2.8 |

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## CONTROLS

### Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more details about IMSBT](#)



LEVITON App



Apple



Android

### AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple

### Sensor Sequence of Operations

| Standard Programming | On Event | Off Event | On Light Level | Dim Light Level | Daylight Harvesting  | Delay To Off | Sensitivity |
|----------------------|----------|-----------|----------------|-----------------|----------------------|--------------|-------------|
| OMSBTxL/IMSBTxL      | Motion   | No Motion | 100%           | N/A             | On; Auto Calibration | 20 minutes   | High        |
| OMS                  | Motion   | No Motion | N/A            | N/A             | N/A                  | 30 seconds   | Auto        |

| Operation              | Description  |
|------------------------|--|
| <b>On Event</b>        | Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.   |
| <b>Off Event</b>       | Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.   |
| <b>On Light Level</b>  | The light level that the fixtures will turn on to when ON EVENT occurs.  |
| <b>Dim Light Level</b> | The light level that the fixtures will dim down to when no motion is detected.   |
| <b>Delay to Dim</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.  |
| <b>Delay to Off</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.  |
| <b>Sensitivity</b>     | The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view. |



# Mirada Medium (MRM)

## Outdoor LED Area Light



### OVERVIEW

|                      |                                |
|----------------------|--------------------------------|
| Lumen Package        | 7,000 - 55,000                 |
| Wattage Range        | 48 - 438                       |
| Efficacy Range (LPW) | 115 - 162                      |
| Weight lbs(kg)       | 30 (13.6)                      |
| Control Options      | IMSBT, ALB, ALS,<br>7-Pin, PCI |

### QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

## FEATURES & SPECIFICATIONS

### Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

### Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 4, 5W, FT, FTA, AM, and LC/RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

### Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C. 55L lumen package rate to +35°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

### Controls

- Optional integral passive infrared Bluetooth™ motion. Fixtures operate independently and can be commissioned via iOS or Android configuration app
- LSI's AirLink™ wireless control system options reduce energy and maintenance

costs while optimizing light quality 24/7. (see controls section for more details).

### Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products.

### Warranty

- LSI LED Fixtures carry a 5-year warranty.

### Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- RoHS compliant
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)
- IK08 rated luminaire per IEC 66262 mechanical impact code

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

[Back to Quick Links](#)

**TYPICAL ORDER EXAMPLE: MRM LED 36L SIL FTA UNV DIM 50 70CRI ALS04 BRZ IL**

| Prefix                                | Light Source | Lumen Package   | Lens                  | Distribution  | Orientation <sup>2</sup>   | Voltage  | Driver                             |
|---------------------------------------|--------------|---|-----------------------|---|--|--|------------------------------------|
| <b>MRM</b> - Mirada Medium Area Light | <b>LED</b>   | <b>7L</b> - 7,000 lms, 48W<br><b>9L</b> - 9,000 lms, 62W<br><b>12L</b> - 12,000 lms, 85W<br><b>18L</b> - 18,000 lms, 135W<br><b>24L</b> - 24,000 lms, 176W<br><b>30L</b> - 30,000 lms, 232W<br><b>36L</b> - 36,000 lms, 288W<br><b>42L</b> - 42,000 lms, 314W<br><b>48L</b> - 48,000 lms, 401W<br><b>55L</b> - 55,000 lms, 438W<br>Custom Lumen Packages <sup>1</sup> | <b>SIL</b> - Silicone | <b>2</b> - Type 2<br><b>3</b> - Type 3<br><b>4</b> - Type 4<br><b>5W</b> - Type 5 Wide<br><b>FT</b> - Forward Throw<br><b>FTA</b> - Forward Throw Automotive<br><b>AM</b> - Automotive Merchandise<br><b>LC</b> - Left Corner<br><b>RC</b> - Right Corner | <b>(blank)</b> - standard<br><b>L</b> - Optics rotated left 90°<br><b>R</b> - Optics rotated right 90° | <b>UNV</b> - Universal Voltage (120-277V)<br><b>HV</b> - High Voltage (347-480V) | <b>DIM</b> - 0-10V Dimming (0-10%) |

| Color Temp   | Color Rendering       | Finish   | Options   |
|--|-----------------------|--|---|
| <b>50</b> - 5,000 CCT<br><b>40</b> - 4,000 CCT<br><b>30</b> - 3,000 CCT<br><b>AMB</b> - Phosphor Converted Amber <sup>12</sup> | <b>70CRI</b> - 70 CRI | <b>BLK</b> - Black<br><b>BRZ</b> - Dark Bronze<br><b>GMG</b> - Gun Metal Gray<br><b>GPT</b> - Graphite | <b>MSV</b> - Metallic Silver<br><b>PLP</b> - Platinum Plus<br><b>SVG</b> - Satin Verde Green<br><b>WHT</b> - White<br><br><b>(Blank)</b> - None<br><b>IH</b> - Integral Half Louver (Moderate Spill Light Cutoff) <sup>2</sup><br><b>IL</b> - Integral Louver (Sharp Spill Light Cutoff) <sup>2</sup> |

### Controls (Choose One)

**(Blank)** - None

#### Wireless Controls System

- ALSC** - AirLink Synapse Control System<sup>13</sup>
- ALSCS02** - AirLink Synapse Control System with 12-20' Motion Sensor<sup>13</sup>
- ALSCS04** - AirLink Synapse Control System with 20-40' Motion Sensor<sup>13</sup>
- ALBCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height)<sup>5</sup>
- ALBCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height)<sup>5</sup>

#### Stand-Alone Controls

- EXT** - 0-10V Dimming leads extended to housing exterior
- CR7P** - 7 Pin Control Receptacle ANSI C136.41<sup>6</sup>
- IMSBTL1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)<sup>5</sup>
- IMSBTL2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)<sup>5</sup>

#### Button Type Photocells

- PC120** - 120V
- PC208-277** - 208 - 277V
- PC347** - 347V



**Need more information?**  
Click here for our glossary

**Have additional questions?**  
Call us at (800) 436-7800



## ACCESSORY ORDERING INFORMATION<sup>7</sup>

| CONTROLS ACCESSORIES   |                |
|--|----------------|
| Description  | Order Number   |
| PC120 Photocell for use with CR7P option (120V) <sup>8</sup>                 | <b>122514</b>  |
| PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) <sup>8</sup> | <b>122515</b>  |
| Twist Lock Photocell (347V) for use with CR7P <sup>8</sup>                   | <b>122516</b>  |
| Twist Lock Photocell (480V) for use with CR7P <sup>8</sup>                   | <b>1225180</b> |
| AirLink 5 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661409</b>  |
| AirLink 7 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661410</b>  |
| AirLink 7 Pin Twist Lock Controller (347-480V)                               | <b>679948</b>  |
| Shorting Cap for use with CR7P   | <b>149328</b>  |

| FUSING OPTIONS <sup>11</sup> |  |
|------------------------------|--|
| Single Fusing (120V)         | <a href="#">See Fusing Accessory Guide</a> |
| Single Fusing (277V)         |  |
| Double Fusing (208V, 240V)   |  |
| Double Fusing (480V)         |  |
| Double Fusing (347V)         |  |

| SHIELDING OPTIONS |                                     |
|-------------------|-------------------------------------|
| Mirada Small      | <a href="#">See Shielding Guide</a> |
| Mirada Medium     |                                     |
| Mirada Large      |                                     |
| Zone Medium       |                                     |
| Slice Medium      |                                     |

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available with 5W distribution
3. Consult Factory for availability.
4. Not available in HV.
5. Motion sensors are field configurable via an app that can be downloaded from your smartphone's native app store. See controls section for more details.
6. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.

7. Accessories are shipped separately and field installed.
8. Factory installed CR7P option required. See Options.
9. "CLR" denotes finish. See Finish options.
10. Only available with ALSC/ALSCH control options.
11. Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.
12. Only available in 9L, 12L, 18L and 24L Lumen Packages. Consult factory for lead time and availability.
13. Not available with 55L Lumen Package.

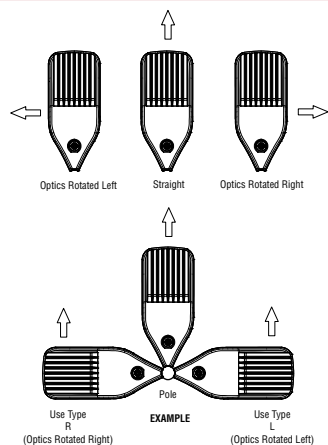
## ACCESSORIES

| MOUNTING ACCESSORIES   |   | SHIELDING, POLES & MISC. ACCESSORIES |   |  |
|------------------------|---|--------------------------------------|---|--|
| Side Arm               | <b>Universal Mounting Bracket</b><br>Mounts to $\geq 3"$ square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5" to 5"<br><b>Part Number: BKA UMB CLR</b> |                                      | <b>Shielding</b><br><b>Integral Louver</b><br>Field Install Integral Louver provides maximum backlight control by shielding each individual row of LEDs<br><b>Part Number: 690981</b><br>   |  |
|                        | <b>Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS POM B3B5 XX CLR</b>           |                                      |   | <b>Integral Half Louver</b><br>Field Install Integral Half Louver provides great backlight control without impacting front side distribution.<br><b>Part Number: 743415</b><br>                            |
|                        | <b>15° Tilt Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS PQ15 B3B5 XX CLR</b> |                                      |   | <b>External Shield</b><br>External shield blocks view of light source from any side of luminaire, additional shielding configurations available<br><b>Part Number: 783607BLK (3") / 776538BLK (6")</b><br> |
| Tenon / Slipfitter     | <b>Adjustable Slipfitter</b><br>Mounts onto a 2" (51mm) I.P., 2.375" (60mm) O.D. tenon and provides 180° of tilt (max 45° above horizontal)<br><b>Part Number: BKA ASF CLR</b>        |                                      | <b>Poles</b><br><b>Square Poles</b><br>14 - 39" steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction<br><b>Part Number: 4SQ/5SQ/6SQ</b><br>  |  |
|                        | <b>Square Tenon Top</b><br>Mounts onto a 2" (51mm) I.P., 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires<br><b>Part Number: BKA XNM *</b>                         |                                      |   | <b>Round Poles</b><br>10 - 30" steel and aluminum poles in 4" and 5" sizes for retrofit and new construction<br><b>Part Number: 4RP/SRP</b><br>  |
|                        | <b>Square Internal Slipfitter</b><br>Mounts inside 4" or 5" square pole and allows for mounting up to 4 luminaires<br><b>Part Number: BKA X_ISF * CLR</b>                             |                                      |   | <b>Tapered Poles</b><br>20" - 39" steel and aluminum poles for retrofit and new construction<br><b>Part Number: RTP</b><br>  |
| Wall Mount / Wood Pole | <b>Wall Mount Bracket</b><br>Mounts onto vertical wall surface (hardware/anchors not included)<br><b>Part Number: BKS XB0 WM CLR</b>  |                                      | <b>Misc.</b><br><b>Bird Spikes</b><br>10' Linear Bird Spike Kit, 4" recommended per luminaire, includes silicone adhesive and application tool<br><b>Spike Part Number: 751631</b><br><b>Adhesive Part Number: 751632</b><br><b>Caulk Gun Part Number: 751636</b><br> |  |
|                        | <b>Wood Pole Bracket</b><br>Mounts onto wooden poles (6" minimum OD, hardware/anchors not included)<br><b>Part Number: BKS XB0 WP CLR</b>   |                                      |   |  |

Replace CLR with paint finish description  
 Replace X with: 3  
 Replace XX with SQ for square pole or RD for round pole ( $\geq 3"$  OD)  
 Replace \* with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)  
 Replace \_ with 4 (4" square pole) or 5 (5" square pole)

## OPTICS ROTATION

Top View



## ACCESSORIES/OPTIONS

### Integral Louver (IL) and House-Side Shield (IH)

Integral louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate

Luminaire Shown with Integral Louver (IL)



Luminaire Shown with IMSBTL Option



### 7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P





# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE

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| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 9L                | 2            | 70  | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 62      |
|                   | 3            |     | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   |         |
|                   | 4            |     | 9178             | 148      | B2-U0-G3   | 9713             | 157      | B2-U0-G3   | 9498             | 153      | B2-U0-G3   |         |
|                   | 5W           |     | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   |         |
|                   | FT           |     | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   |         |
|                   | FTA          |     | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   |         |
|                   | AM           |     | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   |         |
|                   | LC/RC        |     | 9008             | 145      | B2-U0-G3   | 9533             | 154      | B2-U0-G3   | 9321             | 150      | B2-U0-G3   |         |
| 12L               | 2            | 70  | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 85      |
|                   | 3            |     | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   |         |
|                   | 4            |     | 12223            | 144      | B2-U0-G3   | 12935            | 152      | B2-U0-G4   | 12648            | 149      | B2-U0-G4   |         |
|                   | 5W           |     | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   |         |
|                   | FT           |     | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   |         |
|                   | FTA          |     | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   |         |
|                   | AM           |     | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   |         |
|                   | LC/RC        |     | 11996            | 141      | B2-U0-G3   | 12695            | 149      | B2-U0-G3   | 12414            | 146      | B2-U0-G3   |         |
| 18L               | 2            | 70  | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 135     |
|                   | 3            |     | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   |         |
|                   | 4            |     | 18013            | 133      | B2-U0-G4   | 19063            | 141      | B3-U0-G5   | 18640            | 138      | B3-U0-G5   |         |
|                   | 5W           |     | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   |         |
|                   | FT           |     | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   |         |
|                   | FTA          |     | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   |         |
|                   | AM           |     | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   |         |
|                   | LC/RC        |     | 17679            | 131      | B2-U0-G3   | 18710            | 139      | B2-U0-G3   | 18295            | 136      | B2-U0-G3   |         |
| 24L               | 2            | 70  | 24142            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 176     |
|                   | 3            |     | 25001            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   |         |
|                   | 4            |     | 24396            | 152      | B3-U0-G5   | 25600            | 160      | B3-U0-G5   | 25457            | 159      | B3-U0-G5   |         |
|                   | 5W           |     | 24327            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   |         |
|                   | FT           |     | 24994            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   |         |
|                   | FTA          |     | 24171            | 148      | B3-U0-G3   | 26077            | 148      | B4-U0-G3   | 26077            | 148      | B4-U0-G3   |         |
|                   | AM           |     | 24939            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   |         |
|                   | LC/RC        |     | 25884            | 162      | B3-U0-G4   | 25884            | 162      | B3-U0-G4   | 25310            | 158      | B3-U0-G4   |         |
| 30L               | 2            | 70  | 30171            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 232     |
|                   | 3            |     | 31243            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   |         |
|                   | 4            |     | 30631            | 144      | B3-U0-G5   | 32141            | 151      | B3-U0-G5   | 31961            | 150      | B3-U0-G5   |         |
|                   | 5W           |     | 30402            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   |         |
|                   | FT           |     | 31233            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 30207            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   |         |
|                   | AM           |     | 3116             | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   |         |
|                   | LC/RC        |     | 32498            | 153      | B3-U0-G5   | 32498            | 153      | B3-U0-G5   | 31777            | 149      | B3-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE (CONT.)

| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 36L               | 2            | 70  | 35357            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 288     |
|                   | 3            |     | 36614            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   |         |
|                   | 4            |     | 35402            | 139      | B3-U0-G5   | 37148            | 146      | B4-U0-G5   | 36940            | 145      | B4-U0-G5   |         |
|                   | 5W           |     | 35627            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   |         |
|                   | FT           |     | 36602            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   |         |
|                   | FTA          |     | 35399            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   |         |
|                   | AM           |     | 36524            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   |         |
|                   | LC/RC        |     | 37561            | 147      | B3-U0-G5   | 37561            | 147      | B3-U0-G5   | 36727            | 144      | B3-U0-G5   |         |
| 42L               | 2            | 70  | 41035            | 131      | B5-U0-G4   | 42602            | 136      | B5-U0-G4   | 42542            | 135      | B5-U0-G4   | 314     |
|                   | 3            |     | 42493            | 135      | B4-U0-G5   | 44115            | 140      | B4-U0-G5   | 44053            | 140      | B4-U0-G5   |         |
|                   | 4            |     | 41453            | 132      | B4-U0-G5   | 43497            | 138      | B4-U0-G5   | 43254            | 138      | B4-U0-G5   |         |
|                   | 5W           |     | 41349            | 132      | B5-U0-G4   | 42927            | 134      | B5-U0-G4   | 42866            | 137      | B5-U0-G4   |         |
|                   | FT           |     | 42481            | 135      | B4-U0-G4   | 44103            | 140      | B4-U0-G4   | 44040            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 41083            | 131      | B4-U0-G4   | 42652            | 136      | B5-U0-G4   | 42591            | 136      | B5-U0-G4   |         |
|                   | AM           |     | 42389            | 135      | B4-U0-G3   | 44007            | 140      | B4-U0-G3   | 43944            | 140      | B4-U0-G3   |         |
|                   | LC/RC        |     | 43980            | 140      | B3-U0-G5   | 43980            | 140      | B3-U0-G5   | 43004            | 137      | B3-U0-G5   |         |
| 48L               | 2            | 70  | 45133            | 123      | B5-U0-G4   | 46856            | 128      | B5-U0-G4   | 46789            | 128      | B5-U0-G4   | 401     |
|                   | 3            |     | 46737            | 128      | B4-U0-G5   | 48521            | 133      | B4-U0-G5   | 48452            | 132      | B4-U0-G5   |         |
|                   | 4            |     | 46006            | 126      | B4-U0-G5   | 48275            | 132      | B4-U0-G5   | 48005            | 131      | B4-U0-G5   |         |
|                   | 5W           |     | 45478            | 124      | B5-U0-G4   | 47214            | 129      | B5-U0-G4   | 47147            | 129      | B5-U0-G4   |         |
|                   | FT           |     | 46723            | 128      | B4-U0-G5   | 48507            | 133      | B4-U0-G5   | 48438            | 132      | B4-U0-G5   |         |
|                   | FTA          |     | 45187            | 123      | B5-U0-G4   | 46912            | 128      | B5-U0-G4   | 46845            | 128      | B5-U0-G4   |         |
|                   | AM           |     | 4662             | 127      | B4-U0-G3   | 48402            | 132      | B4-U0-G3   | 48333            | 132      | B4-U0-G3   |         |
|                   | LC/RC        |     | 48811            | 133      | B4-U0-G5   | 48811            | 133      | B4-U0-G5   | 47728            | 130      | B4-U0-G5   |         |
| 55L               | 2            | 70  | 50179            | 115      | B5-U0-G4   | 52095            | 119      | B5-U0-G4   | 52021            | 119      | B5-U0-G4   | 438     |
|                   | 3            |     | 51963            | 119      | B4-U0-G5   | 53947            | 123      | B4-U0-G5   | 53870            | 123      | B4-U0-G5   |         |
|                   | 4            |     | 51635            | 119      | B4-U0-G5   | 54181            | 125      | B4-U0-G5   | 53878            | 124      | B4-U0-G5   |         |
|                   | 5W           |     | 50563            | 115      | B5-U0-G4   | 52493            | 120      | B5-U0-G4   | 52418            | 120      | B5-U0-G4   |         |
|                   | FT           |     | 50539            | 115      | B4-U0-G5   | 52468            | 120      | B4-U0-G5   | 52394            | 120      | B4-U0-G5   |         |
|                   | FTA          |     | 50239            | 115      | B5-U0-G4   | 52157            | 119      | B5-U0-G4   | 52082            | 119      | B5-U0-G4   |         |
|                   | AM           |     | 52223            | 119      | B4-U0-G3   | 54216            | 124      | B4-U0-G3   | 54139            | 124      | B4-U0-G3   |         |
|                   | LC/RC        |     | 54113            | 124      | B4-U0-G5   | 54113            | 124      | B4-U0-G5   | 52912            | 121      | B4-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE (CONT.)

| ELECTRICAL DATA (AMPS)* |      |      |      |      |      |      |
|-------------------------|------|------|------|------|------|------|
| Lumens                  | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L                      | 0.52 | 0.30 | 0.26 | 0.22 | 0.18 | 0.13 |
| 12L                     | 0.71 | 0.41 | 0.35 | 0.31 | 0.24 | 0.18 |
| 18L                     | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L                     | 1.33 | 0.77 | 0.67 | 0.58 | 0.46 | 0.33 |
| 30L                     | 1.78 | 1.02 | 0.89 | 0.77 | 0.61 | 0.44 |
| 36L                     | 2.12 | 1.22 | 1.06 | 0.92 | 0.73 | 0.53 |
| 42L                     | 2.62 | 1.51 | 1.31 | 1.13 | 0.90 | 0.65 |
| 48L                     | 3.05 | 1.76 | 1.53 | 1.32 | 1.05 | 0.76 |
| 55L                     | 3.65 | 2.11 | 1.83 | 1.58 | 1.26 | 0.91 |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (0-25°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 93%               | 90%               | 86%                |
| 24L - 48L   | 100%                 | 95%              | 89%               | 84%               | 79%                |
| 55L   | 100%                 | 91%              | 82%               | 74%               | 67%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (40°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 92%               | 88%               | 84%                |
| 24L - 48L   | 100%                 | 94%              | 87%               | 80%               | 74%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (50°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L C  | 100%                 | 96%              | 91%               | 87%               | 83%                |

\*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

| DELIVERED LUMENS* |              |                                       |          |            |         |
|-------------------|--------------|---------------------------------------|----------|------------|---------|
| Lumen Package     | Distribution | Phosphor Converted Amber (Peak 610nm) |          |            | Wattage |
|                   |              | Delivered Lumens                      | Efficacy | BUG Rating |         |
| 9L                | 2            | 5848                                  | 80       | B2-U0-G2   | 74      |
|                   | 3            | 6018                                  | 82       | B1-U0-G2   |         |
|                   | 5W           | 5471                                  | 74       | B3-U0-G1   |         |
|                   | FT           | 5801                                  | 79       | B1-U0-G2   |         |
|                   | FTA          | 5924                                  | 81       | B1-U0-G1   |         |
|                   | AM           | 5995                                  | 81       | B1-U0-G1   |         |
| 12L               | 2            | 7530                                  | 74       | B2-U0-G2   | 102     |
|                   | 3            | 7749                                  | 76       | B1-U0-G2   |         |
|                   | 5W           | 7045                                  | 69       | B3-U0-G2   |         |
|                   | FT           | 7470                                  | 73       | B2-U0-G2   |         |
|                   | FTA          | 7628                                  | 75       | B2-U0-G2   |         |
|                   | AM           | 7720                                  | 76       | B1-U0-G1   |         |
| 18L               | 2            | 9311                                  | 69       | B2-U0-G2   | 135     |
|                   | 3            | 9582                                  | 71       | B2-U0-G2   |         |
|                   | 5W           | 8712                                  | 65       | B3-U0-G2   |         |
|                   | FT           | 9237                                  | 68       | B2-U0-G2   |         |
|                   | FTA          | 9433                                  | 70       | B2-U0-G2   |         |
|                   | AM           | 9546                                  | 71       | B2-U0-G1   |         |
| 24L               | 2            | 10955                                 | 63       | B2-U0-G2   | 175     |
|                   | 3            | 11273                                 | 64       | B2-U0-G2   |         |
|                   | 5W           | 10249                                 | 59       | B3-U0-G2   |         |
|                   | FT           | 10867                                 | 62       | B2-U0-G2   |         |
|                   | FTA          | 11097                                 | 63       | B2-U0-G2   |         |
|                   | AM           | 11230                                 | 64       | B2-U0-G1   |         |

| ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)* |      |      |      |      |      |      |
|--|------|------|------|------|------|------|
| Lumens   | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L   | 0.62 | 0.36 | 0.31 | 0.27 | 0.21 | 0.15 |
| 12L  | 0.85 | 0.50 | 0.43 | 0.38 | 0.30 | 0.22 |
| 18L  | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L  | 1.47 | 0.85 | 0.73 | 0.64 | 0.51 | 0.37 |

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# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PHOTOMETRICS

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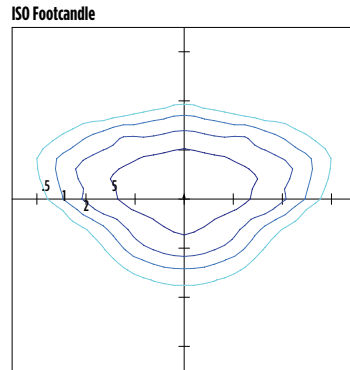
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

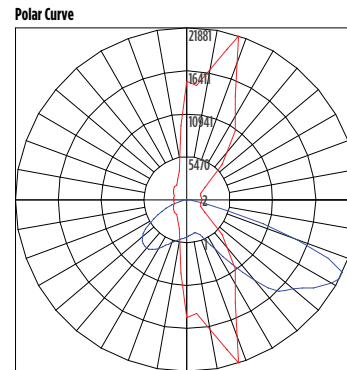
### MRM-LED-30L-SIL-2-40-70CRI

| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 2 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,416              |
| Watts               | 232                 |
| Efficacy            | 140                 |
| IES Type            | Type II - Short     |
| BUG Rating          | B4-U0-G3            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 4796         | 15%         |
| Medium (30-60°)     | 19811        | 61%         |
| High (60-80°)       | 7474         | 23%         |
| Very High (80-90°)  | 335          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32416</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

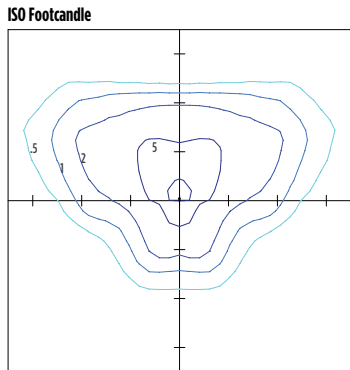


■ Vertical Plane ■ Horizontal Cone

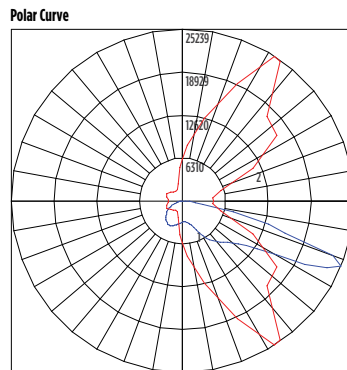
### MRM-LED-30L-SIL-3-40-70CRI

| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 3 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,656              |
| Watts               | 232                 |
| Efficacy            | 141                 |
| IES Type            | Type III - Short    |
| BUG Rating          | B3-U0-G4            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3385         | 10%         |
| Medium (30-60°)     | 16250        | 50%         |
| High (60-80°)       | 12430        | 38%         |
| Very High (80-90°)  | 591          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32656</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

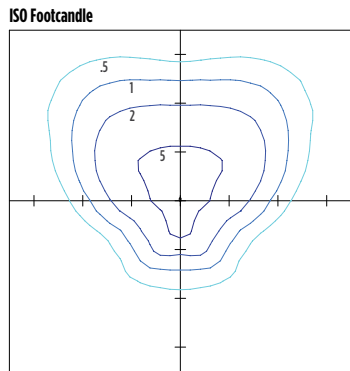


■ Vertical Plane ■ Horizontal Cone

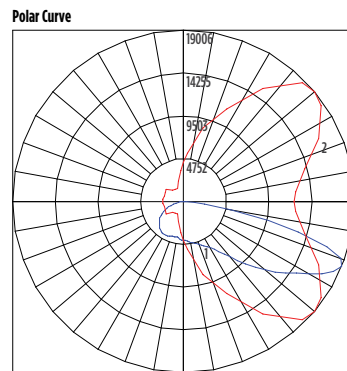
### MRM-LED-30L-SIL-FT-40-70CRI

| Luminaire Data       |                     |
|----------------------|---------------------|
| Type FT Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 32,424              |
| Watts                | 232                 |
| Efficacy             | 140                 |
| IES Type             | Type IV - Short     |
| BUG Rating           | B3-U0-G4            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3952         | 12%         |
| Medium (30-60°)     | 15505        | 48%         |
| High (60-80°)       | 12279        | 38%         |
| Very High (80-90°)  | 688          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32424</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC



■ Vertical Plane ■ Horizontal Cone

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

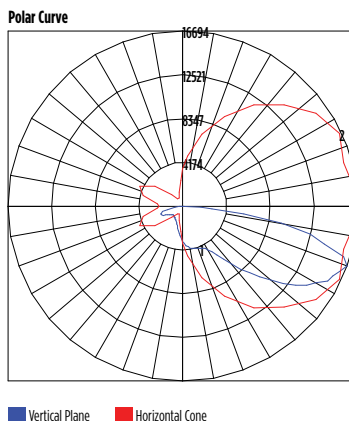
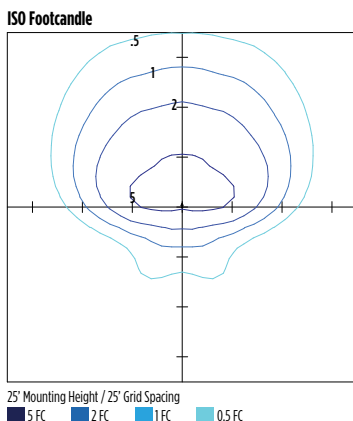
 Have questions? Call us at (800) 436-7800

## PHOTOMETRICS (CONT)

### MRM-LED-30L-SIL-4-40-70CRI

| Luminaire Data      |                      |
|---------------------|----------------------|
| Type 4 Distribution |                      |
| Description         | 4000 Kelvin, 70 CRI  |
| Delivered Lumens    | 32,141               |
| Watts               | 213                  |
| Efficacy            | 151                  |
| IES Type            | Type IV - Very Short |
| BUG Rating          | B3-U0-G5             |

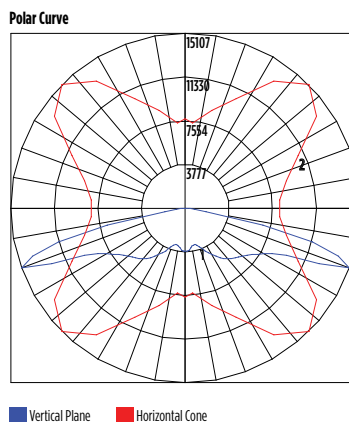
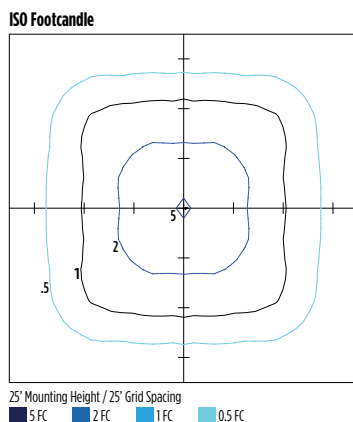
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3119         | 10%         |
| Medium (30-60°)     | 13569        | 42%         |
| High (60-80°)       | 13649        | 42%         |
| Very High (80-90°)  | 1804         | 6%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32141</b> | <b>100%</b> |



### MRM-LED-30L-SIL-5W-40-70CRI

| Luminaire Data       |                     |
|----------------------|---------------------|
| Type 5W Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 31,267              |
| Watts                | 232                 |
| Efficacy             | 135                 |
| IES Type             | Type VS - Short     |
| BUG Rating           | B5-U0-G3            |

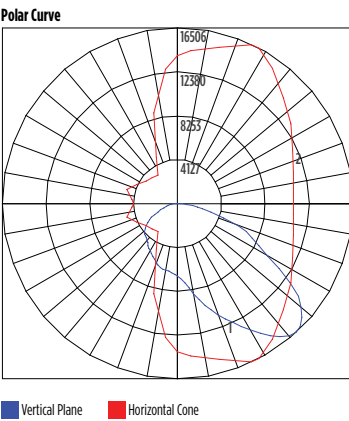
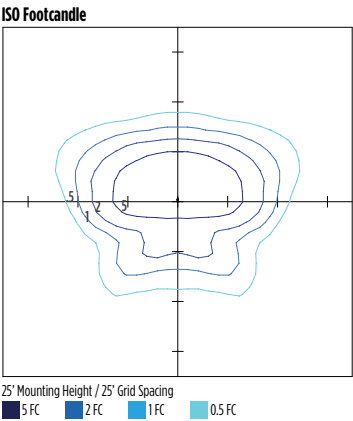
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3138         | 10%         |
| Medium (30-60°)     | 13193        | 42%         |
| High (60-80°)       | 14641        | 47%         |
| Very High (80-90°)  | 296          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>31267</b> | <b>100%</b> |



### MRM-LED-30L-SIL-FTA-40-70CRI

| Luminaire Data        |                     |
|-----------------------|---------------------|
| Type FTA Distribution |                     |
| Description           | 4000 Kelvin, 70 CRI |
| Delivered Lumens      | 32,566              |
| Watts                 | 232                 |
| Efficacy              | 140                 |
| IES Type              | Type VS - Short     |
| BUG Rating            | B4-U0-G3            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6986         | 21%         |
| Medium (30-60°)     | 19172        | 59%         |
| High (60-80°)       | 5875         | 18%         |
| Very High (80-90°)  | 534          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32566</b> | <b>100%</b> |



# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

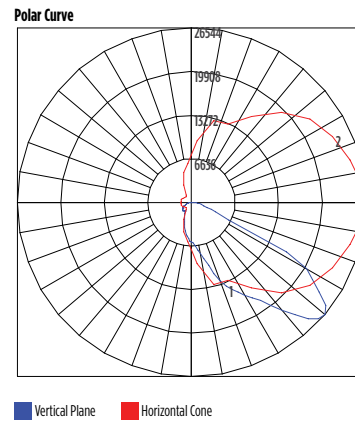
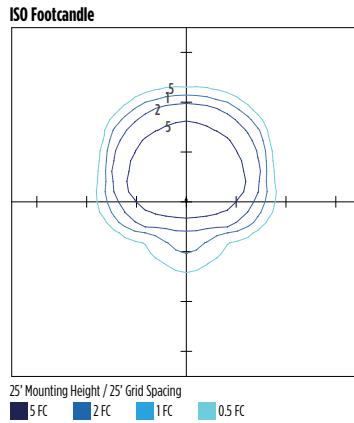
## PHOTOMETRICS (CONT)

[Back to Quick Links](#)

### MRM-LED-30L-SIL-AM-40-70CRI

| Luminaire Data       |                       |
|----------------------|-----------------------|
| Type AM Distribution |                       |
| Description          | 4000 Kelvin, 70 CRI   |
| Delivered Lumens     | 32,960                |
| Watts                | 232                   |
| Efficacy             | 142                   |
| IES Type             | Type III - Very Short |
| BUG Rating           | B3-U0-G3              |

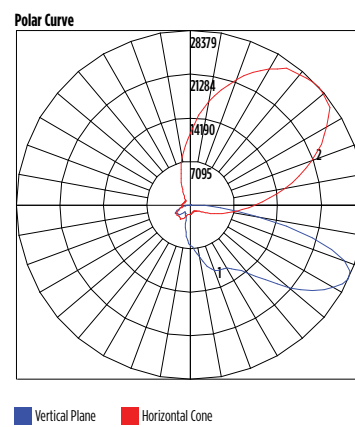
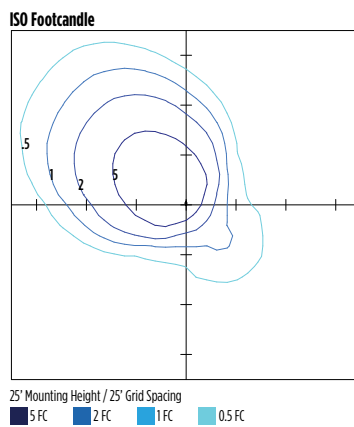
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6363         | 19%         |
| Medium (30-60°)     | 22026        | 67%         |
| High (60-80°)       | 4192         | 13%         |
| Very High (80-90°)  | 379          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32960</b> | <b>100%</b> |



### MRM-LED-30L-SIL-LC-40-70CRI

| Luminaire Data           |                     |
|--------------------------|---------------------|
| Left Corner Distribution |                     |
| Description              | 4000 Kelvin, 70 CRI |
| Delivered Lumens         | 32,498              |
| Watts                    | 213                 |
| Efficacy                 | 153                 |
| IES Type                 | N/A                 |
| BUG Rating               | B3-U0-G5            |

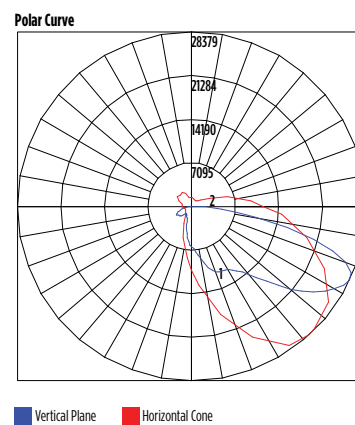
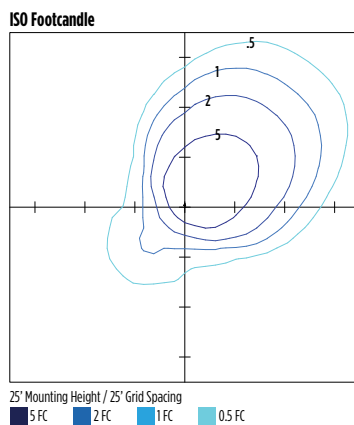
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |



### MRM-LED-30L-SIL-RC-40-70CRI

| Luminaire Data            |                     |
|---------------------------|---------------------|
| Right Corner Distribution |                     |
| Description               | 4000 Kelvin, 70 CRI |
| Delivered Lumens          | 32,498              |
| Watts                     | 213                 |
| Efficacy                  | 153                 |
| IES Type                  | N/A                 |
| BUG Rating                | B3-U0-G5            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |

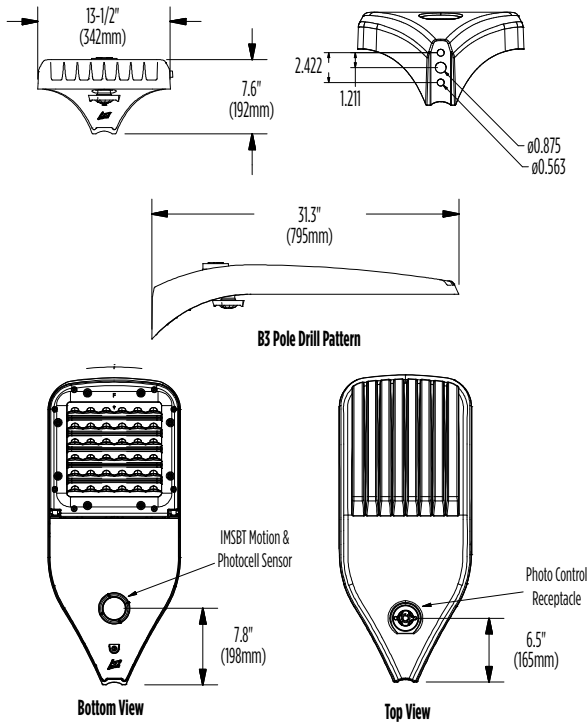








# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## PRODUCT DIMENSIONS



| Luminaire EPA Chart   |        |     |     |     |     |
|---|--------|-----|-----|-----|-----|
| Tilt Degree   |        | 0°  | 15° | 30° | 45° |
|  | Single | 0.5 | 1.0 | 1.5 | 1.9 |
|  | D180°  | 1.0 | 1.5 | 1.5 | 1.9 |
|  | D90°   | 0.8 | 1.8 | 1.9 | 2.3 |
|  | T90°   | 1.0 | 4.0 | 2.5 | 2.8 |
|  | TN120° | 1.0 | 2.9 | 3.3 | 3.9 |
|  | Q90°   | 1.0 | 4.0 | 2.5 | 2.8 |

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## CONTROLS

### Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more details about IMSBT](#)



LEVITON App



Apple



Android

### AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple

### Sensor Sequence of Operations

| Standard Programming | On Event | Off Event | On Light Level | Dim Light Level | Daylight Harvesting  | Delay To Off | Sensitivity |
|----------------------|----------|-----------|----------------|-----------------|----------------------|--------------|-------------|
| OMSBTxL/IMSBTxL      | Motion   | No Motion | 100%           | N/A             | On; Auto Calibration | 20 minutes   | High        |
| OMS                  | Motion   | No Motion | N/A            | N/A             | N/A                  | 30 seconds   | Auto        |

| Operation              | Description  |
|------------------------|--|
| <b>On Event</b>        | Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.   |
| <b>Off Event</b>       | Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.   |
| <b>On Light Level</b>  | The light level that the fixtures will turn on to when ON EVENT occurs.  |
| <b>Dim Light Level</b> | The light level that the fixtures will dim down to when no motion is detected.   |
| <b>Delay to Dim</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.  |
| <b>Delay to Off</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.  |
| <b>Sensitivity</b>     | The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view. |





# Mirada Medium (MRM)

## Outdoor LED Area Light



IP66 IK08



### OVERVIEW

|                      |                                |
|----------------------|--------------------------------|
| Lumen Package        | 7,000 - 55,000                 |
| Wattage Range        | 48 - 438                       |
| Efficacy Range (LPW) | 115 - 162                      |
| Weight lbs(kg)       | 30 (13.6)                      |
| Control Options      | IMSBT, ALB, ALS,<br>7-Pin, PCI |

### QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

## FEATURES & SPECIFICATIONS

### Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

### Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, 4, 5W, FT, FTA, AM, and LC/RC.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

### Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance chart)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C. 55L lumen package rate to +35°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

### Controls

- Optional integral passive infrared Bluetooth™ motion. Fixtures operate independently and can be commissioned via iOS or Android configuration app
- LSI's AirLink™ wireless control system options reduce energy and maintenance

costs while optimizing light quality 24/7. (see controls section for more details).

### Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products.

### Warranty

- LSI LED Fixtures carry a 5-year warranty.

### Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- RoHS compliant
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)
- IK08 rated luminaire per IEC 66262 mechanical impact code

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

[Back to Quick Links](#)

| TYPICAL ORDER EXAMPLE: MRM LED 36L SIL FTA UNV DIM 50 70CRI ALS04 BRZ IL   |              |   |  |   |   |  |                                    |
|--|--------------|---|--|---|---|--|------------------------------------|
| Prefix   | Light Source | Lumen Package   | Lens   | Distribution  | Orientation <sup>2</sup>  | Voltage  | Driver                             |
| <b>MRM</b> - Mirada Medium Area Light  | <b>LED</b>   | <b>7L</b> - 7,000 lms, 48W<br><b>9L</b> - 9,000 lms, 62W<br><b>12L</b> - 12,000 lms, 85W<br><b>18L</b> - 18,000 lms, 135W<br><b>24L</b> - 24,000 lms, 176W<br><b>30L</b> - 30,000 lms, 232W<br><b>36L</b> - 36,000 lms, 288W<br><b>42L</b> - 42,000 lms, 314W<br><b>48L</b> - 48,000 lms, 401W<br><b>55L</b> - 55,000 lms, 438W<br>Custom Lumen Packages <sup>1</sup> | <b>SIL</b> - Silicone  | <b>2</b> - Type 2<br><b>3</b> - Type 3<br><b>4</b> - Type 4<br><b>5W</b> - Type 5 Wide<br><b>FT</b> - Forward Throw<br><b>FTA</b> - Forward Throw Automotive<br><b>AM</b> - Automotive Merchandise<br><b>LC</b> - Left Corner<br><b>RC</b> - Right Corner | <b>(blank)</b> - standard<br><b>L</b> - Optics rotated left 90°<br><b>R</b> - Optics rotated right 90°  | <b>UNV</b> - Universal Voltage (120-277V)<br><b>HV</b> - High Voltage (347-480V) | <b>DIM</b> - 0-10V Dimming (0-10%) |
| Color Temp   |              | Color Rendering   | Finish   |   | Options   |  |                                    |
| <b>50</b> - 5,000 CCT<br><b>40</b> - 4,000 CCT<br><b>30</b> - 3,000 CCT<br><b>AMB</b> - Phosphor Converted Amber <sup>12</sup> |              | <b>70CRI</b> - 70 CRI   | <b>BLK</b> - Black<br><b>BRZ</b> - Dark Bronze<br><b>GMG</b> - Gun Metal Gray<br><b>GPT</b> - Graphite | <b>MSV</b> - Metallic Silver<br><b>PLP</b> - Platinum Plus<br><b>SVG</b> - Satin Verde Green<br><b>WHT</b> - White  | <b>(Blank)</b> - None<br><b>IH</b> - Integral Half Louver (Moderate Spill Light Cutoff) <sup>2</sup><br><b>IL</b> - Integral Louver (Sharp Spill Light Cutoff) <sup>2</sup> |  |                                    |

### Controls (Choose One)

**(Blank)** - None

#### Wireless Controls System

- ALSC** - AirLink Synapse Control System<sup>13</sup>
- ALSC02** - AirLink Synapse Control System with 12-20' Motion Sensor<sup>13</sup>
- ALSC04** - AirLink Synapse Control System with 20-40' Motion Sensor<sup>13</sup>
- ALBCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height)<sup>5</sup>
- ALBCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height)<sup>5</sup>

#### Stand-Alone Controls

- EXT** - 0-10V Dimming leads extended to housing exterior
- CR7P** - 7 Pin Control Receptacle ANSI C136.41<sup>6</sup>
- IMSBTL1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)<sup>5</sup>
- IMSBTL2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)<sup>5</sup>

#### Button Type Photocells

- PC120** - 120V
- PC1208-277** - 208 - 277V
- PC347** - 347V



**Need more information?**  
Click here for our glossary

**Have additional questions?**  
Call us at (800) 436-7800



## ACCESSORY ORDERING INFORMATION<sup>7</sup>

| CONTROLS ACCESSORIES   |                |
|--|----------------|
| Description  | Order Number   |
| PC120 Photocell for use with CR7P option (120V) <sup>8</sup>                 | <b>122514</b>  |
| PC208-277 Photocell for use with CR7P option (208V, 240V, 277V) <sup>8</sup> | <b>122515</b>  |
| Twist Lock Photocell (347V) for use with CR7P <sup>8</sup>                   | <b>122516</b>  |
| Twist Lock Photocell (480V) for use with CR7P <sup>8</sup>                   | <b>1225180</b> |
| AirLink 5 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661409</b>  |
| AirLink 7 Pin Twist Lock Controller (120-277V Only) <sup>8</sup>             | <b>661410</b>  |
| AirLink 7 Pin Twist Lock Controller (347-480V)                               | <b>679948</b>  |
| Shorting Cap for use with CR7P   | <b>149328</b>  |

| FUSING OPTIONS <sup>11</sup> |  |
|------------------------------|--|
| Single Fusing (120V)         | <a href="#">See Fusing Accessory Guide</a> |
| Single Fusing (277V)         |  |
| Double Fusing (208V, 240V)   |  |
| Double Fusing (480V)         |  |
| Double Fusing (347V)         |  |

| SHIELDING OPTIONS |                                     |
|-------------------|-------------------------------------|
| Mirada Small      | <a href="#">See Shielding Guide</a> |
| Mirada Medium     |                                     |
| Mirada Large      |                                     |
| Zone Medium       |                                     |
| Slice Medium      |                                     |

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Not available with 5W distribution
3. Consult Factory for availability.
4. Not available in HV.
5. Motion sensors are field configurable via an app that can be downloaded from your smartphone's native app store. See controls section for more details.
6. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.

7. Accessories are shipped separately and field installed.
8. Factory installed CR7P option required. See Options.
9. "CLR" denotes finish. See Finish options.
10. Only available with ALSC/ALSCH control options.
11. Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.
12. Only available in 9L, 12L, 18L and 24L Lumen Packages. Consult factory for lead time and availability.
13. Not available with 55L Lumen Package.

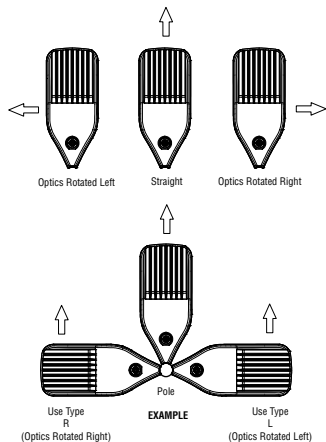
## ACCESSORIES

| MOUNTING ACCESSORIES   |   | SHIELDING, POLES & MISC. ACCESSORIES |   |  |
|------------------------|---|--------------------------------------|---|--|
| Side Arm               | <b>Universal Mounting Bracket</b><br>Mounts to $\geq 3"$ square or round (tapered/straight) poles with (2) mounting hole spaces between 3.5" to 5"<br><b>Part Number: BKA UMB CLR</b> |                                      | <b>Shielding</b><br><b>Integral Louver</b><br>Field Install Integral Louver provides maximum backlight control by shielding each individual row of LEDs<br><b>Part Number: 690981</b><br>   |  |
|                        | <b>Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS POM B3B5 XX CLR</b>           |                                      |   | <b>Integral Half Louver</b><br>Field Install Integral Half Louver provides great backlight control without impacting front side distribution.<br><b>Part Number: 743415</b><br>                            |
|                        | <b>15° Tilt Quick Mount Plate</b><br>True one person installation to existing/new construction poles with hole spaces between 2.4 to 4.6"<br><b>Part Number: BKS PQ15 B3B5 XX CLR</b> |                                      |   | <b>External Shield</b><br>External shield blocks view of light source from any side of luminaire, additional shielding configurations available<br><b>Part Number: 783607BLK (3") / 776538BLK (6")</b><br> |
| Tenon / Slipfitter     | <b>Adjustable Slipfitter</b><br>Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and provides 180° of tilt (max 45° above horizontal)<br><b>Part Number: BKA ASF CLR</b>          |                                      | <b>Poles</b><br><b>Square Poles</b><br>14 - 39" steel and aluminum poles in 4", 5" and 6" sizes for retrofit and new construction<br><b>Part Number: 4SQ/5SQ/6SQ</b><br>  |  |
|                        | <b>Square Tenon Top</b><br>Mounts onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon and allows for mounting up to 4 luminaires<br><b>Part Number: BKA XNM *</b>                           |                                      |   | <b>Round Poles</b><br>10 - 30' steel and aluminum poles in 4" and 5" sizes for retrofit and new construction<br><b>Part Number: 4RP/SRP</b><br>  |
|                        | <b>Square Internal Slipfitter</b><br>Mounts inside 4" or 5" square pole and allows for mounting up to 4 luminaires<br><b>Part Number: BKA X_ISF * CLR</b>                             |                                      |   | <b>Tapered Poles</b><br>20' - 39" steel and aluminum poles for retrofit and new construction<br><b>Part Number: RTP</b><br>  |
| Wall Mount / Wood Pole | <b>Wall Mount Bracket</b><br>Mounts onto vertical wall surface ( hardware/anchors not included)<br><b>Part Number: BKS XB0 WM CLR</b>   |                                      | <b>Misc.</b><br><b>Bird Spikes</b><br>10' Linear Bird Spike Kit, 4" recommended per luminaire, includes silicone adhesive and application tool<br><b>Spike Part Number: 751631</b><br><b>Adhesive Part Number: 751632</b><br><b>Caulk Gun Part Number: 751636</b><br> |  |
|                        | <b>Wood Pole Bracket</b><br>Mounts onto wooden poles (6" minimum OD, hardware/anchors not included)<br><b>Part Number: BKS XB0 WP CLR</b>   |                                      |   |  |

Replace CLR with paint finish description  
 Replace X with: 3  
 Replace XX with SQ for square pole or RD for round pole ( $\geq 3"$  OD)  
 Replace \* with S (Single), D180 (Double @180°), D90 (Double @90°), T90 (Triple), Q90 (Quad)  
 Replace \_ with 4 (4" square pole) or 5 (5" square pole)

## OPTICS ROTATION

Top View



## ACCESSORIES/OPTIONS

### Integral Louver (IL) and House-Side Shield (IH)

Integral louver (IL) and half louver (IH) accessory shields available for improved backlight control without sacrificing street side performance. LSI's Integral Louver (IL) and Integral House-Side Shield (IH) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate

Luminaire Shown with Integral Louver (IL)



Luminaire Shown with IMSBTL Option



### 7 Pin Photoelectric Control

7-pin ANSI C136.41-2013 control receptacle option available for twist lock photocontrols or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (Consult factory for alternate wiring).

Luminaire Shown with CR7P



# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE

[Back to Quick Links](#)

| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 9L                | 2            | 70  | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 9853             | 159      | B2-U0-G2   | 62      |
|                   | 3            |     | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   | 9926             | 160      | B2-U0-G2   |         |
|                   | 4            |     | 9178             | 148      | B2-U0-G3   | 9713             | 157      | B2-U0-G3   | 9498             | 153      | B2-U0-G3   |         |
|                   | 5W           |     | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   | 9504             | 153      | B3-U0-G2   |         |
|                   | FT           |     | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   | 9856             | 159      | B2-U0-G3   |         |
|                   | FTA          |     | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   | 9900             | 160      | B2-U0-G2   |         |
|                   | AM           |     | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   | 10019            | 162      | B2-U0-G1   |         |
|                   | LC/RC        |     | 9008             | 145      | B2-U0-G3   | 9533             | 154      | B2-U0-G3   | 9321             | 150      | B2-U0-G3   |         |
| 12L               | 2            | 70  | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 13135            | 155      | B3-U0-G2   | 85      |
|                   | 3            |     | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   | 13232            | 156      | B2-U0-G2   |         |
|                   | 4            |     | 12223            | 144      | B2-U0-G3   | 12935            | 152      | B2-U0-G4   | 12648            | 149      | B2-U0-G4   |         |
|                   | 5W           |     | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   | 12669            | 149      | B4-U0-G2   |         |
|                   | FT           |     | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   | 13138            | 155      | B2-U0-G3   |         |
|                   | FTA          |     | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   | 13196            | 155      | B2-U0-G2   |         |
|                   | AM           |     | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   | 13355            | 157      | B2-U0-G2   |         |
|                   | LC/RC        |     | 11996            | 141      | B2-U0-G3   | 12695            | 149      | B2-U0-G3   | 12414            | 146      | B2-U0-G3   |         |
| 18L               | 2            | 70  | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 19318            | 143      | B3-U0-G3   | 135     |
|                   | 3            |     | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   | 19461            | 144      | B3-U0-G3   |         |
|                   | 4            |     | 18013            | 133      | B2-U0-G4   | 19063            | 141      | B3-U0-G5   | 18640            | 138      | B3-U0-G5   |         |
|                   | 5W           |     | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   | 18633            | 138      | B4-U0-G2   |         |
|                   | FT           |     | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   | 19324            | 143      | B3-U0-G3   |         |
|                   | FTA          |     | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   | 19408            | 144      | B3-U0-G3   |         |
|                   | AM           |     | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   | 19641            | 145      | B3-U0-G2   |         |
|                   | LC/RC        |     | 17679            | 131      | B2-U0-G3   | 18710            | 139      | B2-U0-G3   | 18295            | 136      | B2-U0-G3   |         |
| 24L               | 2            | 70  | 24142            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 25957            | 147      | B4-U0-G3   | 176     |
|                   | 3            |     | 25001            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   | 26149            | 149      | B3-U0-G3   |         |
|                   | 4            |     | 24396            | 152      | B3-U0-G5   | 25600            | 160      | B3-U0-G5   | 25457            | 159      | B3-U0-G5   |         |
|                   | 5W           |     | 24327            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   | 25037            | 142      | B5-U0-G3   |         |
|                   | FT           |     | 24994            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   | 25964            | 148      | B3-U0-G3   |         |
|                   | FTA          |     | 24171            | 148      | B3-U0-G3   | 26077            | 148      | B4-U0-G3   | 26077            | 148      | B4-U0-G3   |         |
|                   | AM           |     | 24939            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   | 26393            | 150      | B3-U0-G2   |         |
|                   | LC/RC        |     | 25884            | 162      | B3-U0-G4   | 25884            | 162      | B3-U0-G4   | 25310            | 158      | B3-U0-G4   |         |
| 30L               | 2            | 70  | 30171            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 32417            | 140      | B4-U0-G3   | 232     |
|                   | 3            |     | 31243            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   | 32656            | 141      | B3-U0-G4   |         |
|                   | 4            |     | 30631            | 144      | B3-U0-G5   | 32141            | 151      | B3-U0-G5   | 31961            | 150      | B3-U0-G5   |         |
|                   | 5W           |     | 30402            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   | 31267            | 135      | B5-U0-G3   |         |
|                   | FT           |     | 31233            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   | 32424            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 30207            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   | 32566            | 140      | B4-U0-G4   |         |
|                   | AM           |     | 3116             | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   | 32960            | 142      | B4-U0-G3   |         |
|                   | LC/RC        |     | 32498            | 153      | B3-U0-G5   | 32498            | 153      | B3-U0-G5   | 31777            | 149      | B3-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE (CONT.)

| DELIVERED LUMENS* |              |     |                  |          |            |                  |          |            |                  |          |            |         |
|-------------------|--------------|-----|------------------|----------|------------|------------------|----------|------------|------------------|----------|------------|---------|
| Lumen Package     | Distribution | CRI | 3000K CCT        |          |            | 4000K CCT        |          |            | 5000K CCT        |          |            | Wattage |
|                   |              |     | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating | Delivered Lumens | Efficacy | BUG Rating |         |
| 36L               | 2            | 70  | 35357            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 38275            | 133      | B4-U0-G3   | 288     |
|                   | 3            |     | 36614            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   | 38557            | 134      | B4-U0-G4   |         |
|                   | 4            |     | 35402            | 139      | B3-U0-G5   | 37148            | 146      | B4-U0-G5   | 36940            | 145      | B4-U0-G5   |         |
|                   | 5W           |     | 35627            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   | 36917            | 128      | B5-U0-G4   |         |
|                   | FT           |     | 36602            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   | 38283            | 133      | B4-U0-G4   |         |
|                   | FTA          |     | 35399            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   | 38450            | 134      | B4-U0-G4   |         |
|                   | AM           |     | 36524            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   | 38916            | 135      | B4-U0-G3   |         |
|                   | LC/RC        |     | 37561            | 147      | B3-U0-G5   | 37561            | 147      | B3-U0-G5   | 36727            | 144      | B3-U0-G5   |         |
| 42L               | 2            | 70  | 41035            | 131      | B5-U0-G4   | 42602            | 136      | B5-U0-G4   | 42542            | 135      | B5-U0-G4   | 314     |
|                   | 3            |     | 42493            | 135      | B4-U0-G5   | 44115            | 140      | B4-U0-G5   | 44053            | 140      | B4-U0-G5   |         |
|                   | 4            |     | 41453            | 132      | B4-U0-G5   | 43497            | 138      | B4-U0-G5   | 43254            | 138      | B4-U0-G5   |         |
|                   | 5W           |     | 41349            | 132      | B5-U0-G4   | 42927            | 134      | B5-U0-G4   | 42866            | 137      | B5-U0-G4   |         |
|                   | FT           |     | 42481            | 135      | B4-U0-G4   | 44103            | 140      | B4-U0-G4   | 44040            | 140      | B4-U0-G4   |         |
|                   | FTA          |     | 41083            | 131      | B4-U0-G4   | 42652            | 136      | B5-U0-G4   | 42591            | 136      | B5-U0-G4   |         |
|                   | AM           |     | 42389            | 135      | B4-U0-G3   | 44007            | 140      | B4-U0-G3   | 43944            | 140      | B4-U0-G3   |         |
|                   | LC/RC        |     | 43980            | 140      | B3-U0-G5   | 43980            | 140      | B3-U0-G5   | 43004            | 137      | B3-U0-G5   |         |
| 48L               | 2            | 70  | 45133            | 123      | B5-U0-G4   | 46856            | 128      | B5-U0-G4   | 46789            | 128      | B5-U0-G4   | 401     |
|                   | 3            |     | 46737            | 128      | B4-U0-G5   | 48521            | 133      | B4-U0-G5   | 48452            | 132      | B4-U0-G5   |         |
|                   | 4            |     | 46006            | 126      | B4-U0-G5   | 48275            | 132      | B4-U0-G5   | 48005            | 131      | B4-U0-G5   |         |
|                   | 5W           |     | 45478            | 124      | B5-U0-G4   | 47214            | 129      | B5-U0-G4   | 47147            | 129      | B5-U0-G4   |         |
|                   | FT           |     | 46723            | 128      | B4-U0-G5   | 48507            | 133      | B4-U0-G5   | 48438            | 132      | B4-U0-G5   |         |
|                   | FTA          |     | 45187            | 123      | B5-U0-G4   | 46912            | 128      | B5-U0-G4   | 46845            | 128      | B5-U0-G4   |         |
|                   | AM           |     | 4662             | 127      | B4-U0-G3   | 48402            | 132      | B4-U0-G3   | 48333            | 132      | B4-U0-G3   |         |
|                   | LC/RC        |     | 48811            | 133      | B4-U0-G5   | 48811            | 133      | B4-U0-G5   | 47728            | 130      | B4-U0-G5   |         |
| 55L               | 2            | 70  | 50179            | 115      | B5-U0-G4   | 52095            | 119      | B5-U0-G4   | 52021            | 119      | B5-U0-G4   | 438     |
|                   | 3            |     | 51963            | 119      | B4-U0-G5   | 53947            | 123      | B4-U0-G5   | 53870            | 123      | B4-U0-G5   |         |
|                   | 4            |     | 51635            | 119      | B4-U0-G5   | 54181            | 125      | B4-U0-G5   | 53878            | 124      | B4-U0-G5   |         |
|                   | 5W           |     | 50563            | 115      | B5-U0-G4   | 52493            | 120      | B5-U0-G4   | 52418            | 120      | B5-U0-G4   |         |
|                   | FT           |     | 50539            | 115      | B4-U0-G5   | 52468            | 120      | B4-U0-G5   | 52394            | 120      | B4-U0-G5   |         |
|                   | FTA          |     | 50239            | 115      | B5-U0-G4   | 52157            | 119      | B5-U0-G4   | 52082            | 119      | B5-U0-G4   |         |
|                   | AM           |     | 52223            | 119      | B4-U0-G3   | 54216            | 124      | B4-U0-G3   | 54139            | 124      | B4-U0-G3   |         |
|                   | LC/RC        |     | 54113            | 124      | B4-U0-G5   | 54113            | 124      | B4-U0-G5   | 52912            | 121      | B4-U0-G5   |         |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## PERFORMANCE (CONT.)

| ELECTRICAL DATA (AMPS)* |      |      |      |      |      |      |
|-------------------------|------|------|------|------|------|------|
| Lumens                  | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L                      | 0.52 | 0.30 | 0.26 | 0.22 | 0.18 | 0.13 |
| 12L                     | 0.71 | 0.41 | 0.35 | 0.31 | 0.24 | 0.18 |
| 18L                     | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L                     | 1.33 | 0.77 | 0.67 | 0.58 | 0.46 | 0.33 |
| 30L                     | 1.78 | 1.02 | 0.89 | 0.77 | 0.61 | 0.44 |
| 36L                     | 2.12 | 1.22 | 1.06 | 0.92 | 0.73 | 0.53 |
| 42L                     | 2.62 | 1.51 | 1.31 | 1.13 | 0.90 | 0.65 |
| 48L                     | 3.05 | 1.76 | 1.53 | 1.32 | 1.05 | 0.76 |
| 55L                     | 3.65 | 2.11 | 1.83 | 1.58 | 1.26 | 0.91 |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (0-25°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 93%               | 90%               | 86%                |
| 24L - 48L   | 100%                 | 95%              | 89%               | 84%               | 79%                |
| 55L   | 100%                 | 91%              | 82%               | 74%               | 67%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (40°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L  | 100%                 | 97%              | 92%               | 88%               | 84%                |
| 24L - 48L   | 100%                 | 94%              | 87%               | 80%               | 74%                |

| RECOMMENDED LUMEN MAINTENANCE <sup>1</sup> (50°C) |                      |                  |                   |                   |                    |
|---|----------------------|------------------|-------------------|-------------------|--------------------|
| Ambient   | Initial <sup>2</sup> | 25h <sup>2</sup> | 50hr <sup>2</sup> | 75hr <sup>2</sup> | 100hr <sup>2</sup> |
| 9L - 18L C  | 100%                 | 96%              | 91%               | 87%               | 83%                |

\*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

- Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

| DELIVERED LUMENS* |              |                                       |          |            |         |
|-------------------|--------------|---------------------------------------|----------|------------|---------|
| Lumen Package     | Distribution | Phosphor Converted Amber (Peak 610nm) |          |            | Wattage |
|                   |              | Delivered Lumens                      | Efficacy | BUG Rating |         |
| 9L                | 2            | 5848                                  | 80       | B2-U0-G2   | 74      |
|                   | 3            | 6018                                  | 82       | B1-U0-G2   |         |
|                   | 5W           | 5471                                  | 74       | B3-U0-G1   |         |
|                   | FT           | 5801                                  | 79       | B1-U0-G2   |         |
|                   | FTA          | 5924                                  | 81       | B1-U0-G1   |         |
|                   | AM           | 5995                                  | 81       | B1-U0-G1   |         |
| 12L               | 2            | 7530                                  | 74       | B2-U0-G2   | 102     |
|                   | 3            | 7749                                  | 76       | B1-U0-G2   |         |
|                   | 5W           | 7045                                  | 69       | B3-U0-G2   |         |
|                   | FT           | 7470                                  | 73       | B2-U0-G2   |         |
|                   | FTA          | 7628                                  | 75       | B2-U0-G2   |         |
|                   | AM           | 7720                                  | 76       | B1-U0-G1   |         |
| 18L               | 2            | 9311                                  | 69       | B2-U0-G2   | 135     |
|                   | 3            | 9582                                  | 71       | B2-U0-G2   |         |
|                   | 5W           | 8712                                  | 65       | B3-U0-G2   |         |
|                   | FT           | 9237                                  | 68       | B2-U0-G2   |         |
|                   | FTA          | 9433                                  | 70       | B2-U0-G2   |         |
|                   | AM           | 9546                                  | 71       | B2-U0-G1   |         |
| 24L               | 2            | 10955                                 | 63       | B2-U0-G2   | 175     |
|                   | 3            | 11273                                 | 64       | B2-U0-G2   |         |
|                   | 5W           | 10249                                 | 59       | B3-U0-G2   |         |
|                   | FT           | 10867                                 | 62       | B2-U0-G2   |         |
|                   | FTA          | 11097                                 | 63       | B2-U0-G2   |         |
|                   | AM           | 11230                                 | 64       | B2-U0-G1   |         |

| ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)* |      |      |      |      |      |      |
|--|------|------|------|------|------|------|
| Lumens   | 120V | 208V | 240V | 277V | 347V | 480V |
| 9L   | 0.62 | 0.36 | 0.31 | 0.27 | 0.21 | 0.15 |
| 12L  | 0.85 | 0.50 | 0.43 | 0.38 | 0.30 | 0.22 |
| 18L  | 1.13 | 0.65 | 0.56 | 0.49 | 0.39 | 0.28 |
| 24L  | 1.47 | 0.85 | 0.73 | 0.64 | 0.51 | 0.37 |

\*LEDs are frequently updated therefore values are nominal.

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PHOTOMETRICS

[Back to Quick Links](#)

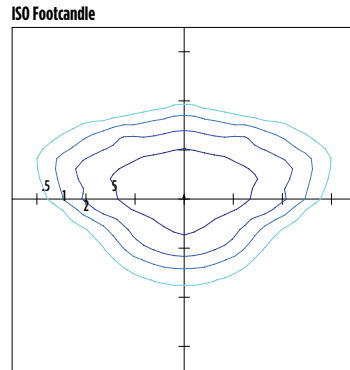
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

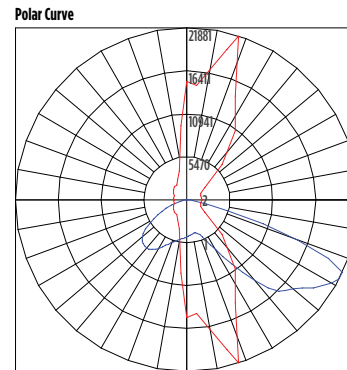
### MRM-LED-30L-SIL-2-40-70CRI

| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 2 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,416              |
| Watts               | 232                 |
| Efficacy            | 140                 |
| IES Type            | Type II - Short     |
| BUG Rating          | B4-U0-G3            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 4796         | 15%         |
| Medium (30-60°)     | 19811        | 61%         |
| High (60-80°)       | 7474         | 23%         |
| Very High (80-90°)  | 335          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32416</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

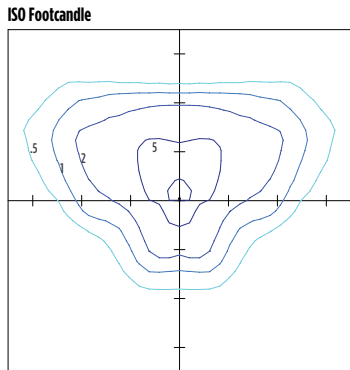


■ Vertical Plane ■ Horizontal Cone

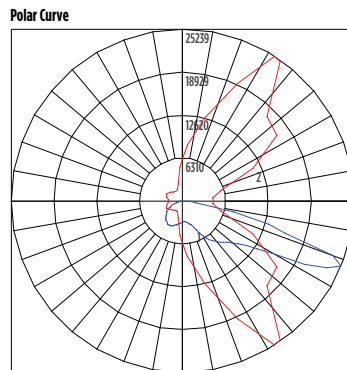
### MRM-LED-30L-SIL-3-40-70CRI

| Luminaire Data      |                     |
|---------------------|---------------------|
| Type 3 Distribution |                     |
| Description         | 4000 Kelvin, 70 CRI |
| Delivered Lumens    | 32,656              |
| Watts               | 232                 |
| Efficacy            | 141                 |
| IES Type            | Type III - Short    |
| BUG Rating          | B3-U0-G4            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3385         | 10%         |
| Medium (30-60°)     | 16250        | 50%         |
| High (60-80°)       | 12430        | 38%         |
| Very High (80-90°)  | 591          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32656</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

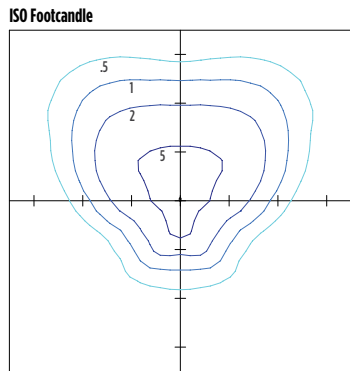


■ Vertical Plane ■ Horizontal Cone

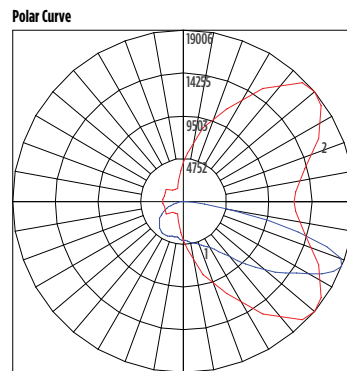
### MRM-LED-30L-SIL-FT-40-70CRI

| Luminaire Data       |                     |
|----------------------|---------------------|
| Type FT Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 32,424              |
| Watts                | 232                 |
| Efficacy             | 140                 |
| IES Type             | Type IV - Short     |
| BUG Rating           | B3-U0-G4            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3952         | 12%         |
| Medium (30-60°)     | 15505        | 48%         |
| High (60-80°)       | 12279        | 38%         |
| Very High (80-90°)  | 688          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32424</b> | <b>100%</b> |



25' Mounting Height / 25' Grid Spacing  
 ■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC



■ Vertical Plane ■ Horizontal Cone

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

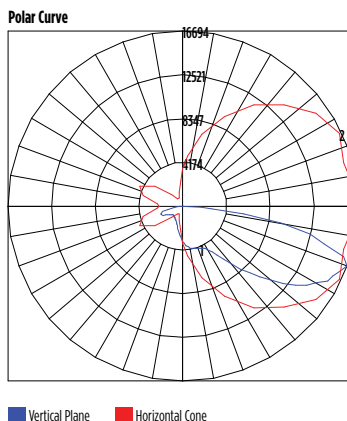
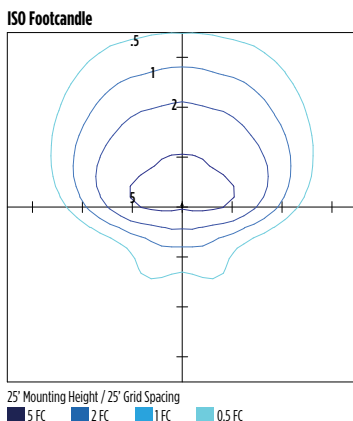
 Have questions? Call us at (800) 436-7800

## PHOTOMETRICS (CONT)

### MRM-LED-30L-SIL-4-40-70CRI

| Luminaire Data      |                      |
|---------------------|----------------------|
| Type 4 Distribution |                      |
| Description         | 4000 Kelvin, 70 CRI  |
| Delivered Lumens    | 32,141               |
| Watts               | 213                  |
| Efficacy            | 151                  |
| IES Type            | Type IV - Very Short |
| BUG Rating          | B3-U0-G5             |

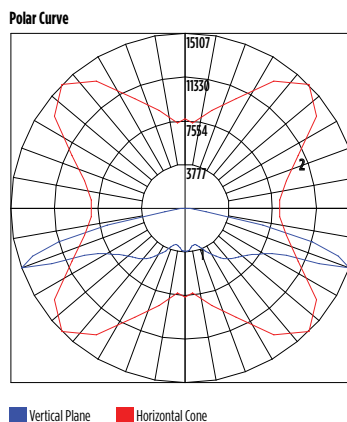
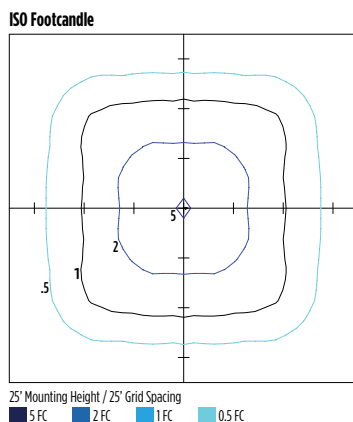
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3119         | 10%         |
| Medium (30-60°)     | 13569        | 42%         |
| High (60-80°)       | 13649        | 42%         |
| Very High (80-90°)  | 1804         | 6%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32141</b> | <b>100%</b> |



### MRM-LED-30L-SIL-5W-40-70CRI

| Luminaire Data       |                     |
|----------------------|---------------------|
| Type 5W Distribution |                     |
| Description          | 4000 Kelvin, 70 CRI |
| Delivered Lumens     | 31,267              |
| Watts                | 232                 |
| Efficacy             | 135                 |
| IES Type             | Type VS - Short     |
| BUG Rating           | B5-U0-G3            |

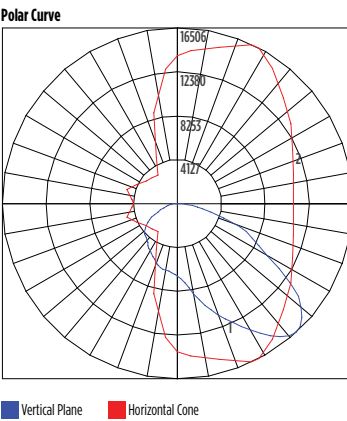
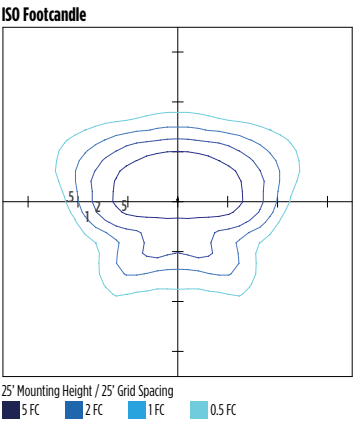
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 3138         | 10%         |
| Medium (30-60°)     | 13193        | 42%         |
| High (60-80°)       | 14641        | 47%         |
| Very High (80-90°)  | 296          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>31267</b> | <b>100%</b> |



### MRM-LED-30L-SIL-FTA-40-70CRI

| Luminaire Data        |                     |
|-----------------------|---------------------|
| Type FTA Distribution |                     |
| Description           | 4000 Kelvin, 70 CRI |
| Delivered Lumens      | 32,566              |
| Watts                 | 232                 |
| Efficacy              | 140                 |
| IES Type              | Type VS - Short     |
| BUG Rating            | B4-U0-G3            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6986         | 21%         |
| Medium (30-60°)     | 19172        | 59%         |
| High (60-80°)       | 5875         | 18%         |
| Very High (80-90°)  | 534          | 2%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32566</b> | <b>100%</b> |





# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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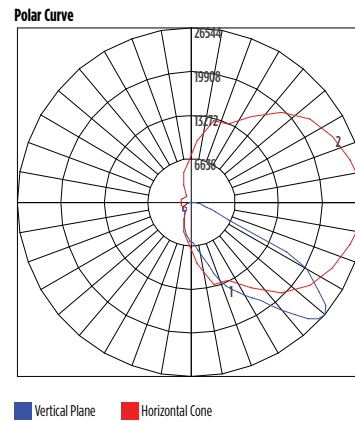
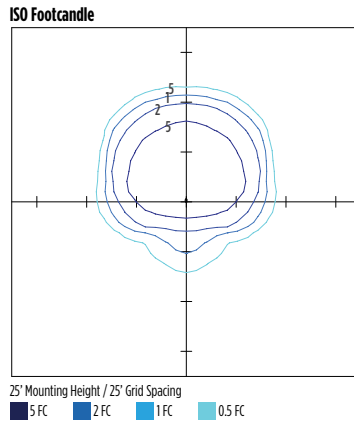
## PHOTOMETRICS (CONT)

[Back to Quick Links](#)

### MRM-LED-30L-SIL-AM-40-70CRI

| Luminaire Data       |                       |
|----------------------|-----------------------|
| Type AM Distribution |                       |
| Description          | 4000 Kelvin, 70 CRI   |
| Delivered Lumens     | 32,960                |
| Watts                | 232                   |
| Efficacy             | 142                   |
| IES Type             | Type III - Very Short |
| BUG Rating           | B3-U0-G3              |

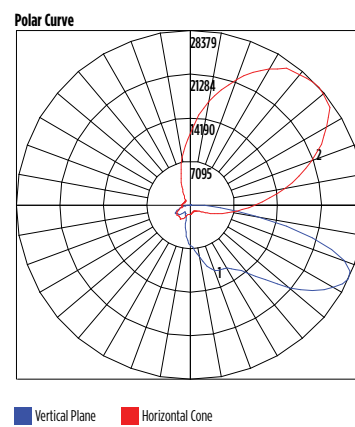
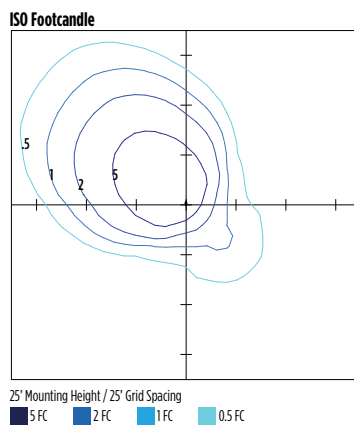
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 6363         | 19%         |
| Medium (30-60°)     | 22026        | 67%         |
| High (60-80°)       | 4192         | 13%         |
| Very High (80-90°)  | 379          | 1%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32960</b> | <b>100%</b> |



### MRM-LED-30L-SIL-LC-40-70CRI

| Luminaire Data           |                     |
|--------------------------|---------------------|
| Left Corner Distribution |                     |
| Description              | 4000 Kelvin, 70 CRI |
| Delivered Lumens         | 32,498              |
| Watts                    | 213                 |
| Efficacy                 | 153                 |
| IES Type                 | N/A                 |
| BUG Rating               | B3-U0-G5            |

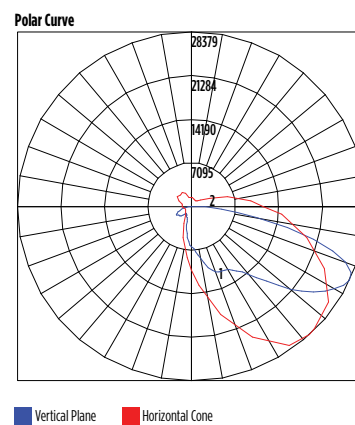
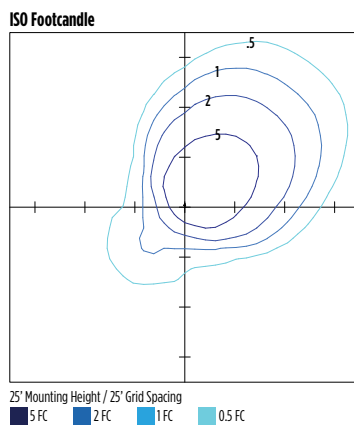
| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |



### MRM-LED-30L-SIL-RC-40-70CRI

| Luminaire Data            |                     |
|---------------------------|---------------------|
| Right Corner Distribution |                     |
| Description               | 4000 Kelvin, 70 CRI |
| Delivered Lumens          | 32,498              |
| Watts                     | 213                 |
| Efficacy                  | 153                 |
| IES Type                  | N/A                 |
| BUG Rating                | B3-U0-G5            |

| Zonal Lumen Summary |              |             |
|---------------------|--------------|-------------|
| Zone                | Lumens       | % Luminaire |
| Low (0-30°)         | 5083         | 16%         |
| Medium (30-60°)     | 14808        | 46%         |
| High (60-80°)       | 11603        | 36%         |
| Very High (80-90°)  | 1005         | 3%          |
| Uplight (90-180°)   | 0            | 0%          |
| <b>Total Flux</b>   | <b>32498</b> | <b>100%</b> |

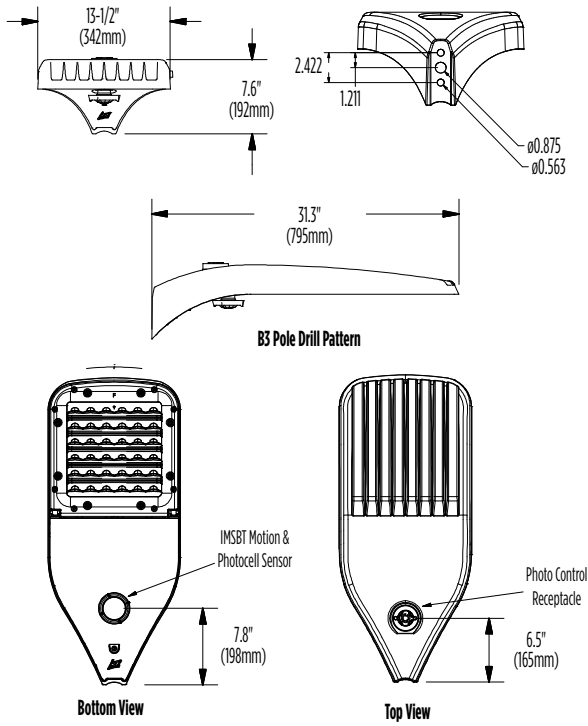








# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## PRODUCT DIMENSIONS



| Luminaire EPA Chart   |        |     |     |     |     |
|---|--------|-----|-----|-----|-----|
| Tilt Degree   |        | 0°  | 15° | 30° | 45° |
|  | Single | 0.5 | 1.0 | 1.5 | 1.9 |
|  | D180°  | 1.0 | 1.5 | 1.5 | 1.9 |
|  | D90°   | 0.8 | 1.8 | 1.9 | 2.3 |
|  | T90°   | 1.0 | 4.0 | 2.5 | 2.8 |
|  | TN120° | 1.0 | 2.9 | 3.3 | 3.9 |
|  | Q90°   | 1.0 | 4.0 | 2.5 | 2.8 |

# Mirada Medium Outdoor LED Area Light

Type : \_\_\_\_\_

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## CONTROLS

### Integral Bluetooth™ Motion and Photocell Sensor (IMSBTxL)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is IP66 rated for cold and wet locations (-40°F to 167°F). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more details about IMSBT](#)



LEVITON App



Apple



Android

### AirLink Blue (ALBCSx)

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



AirLink Blue App



Apple

### Sensor Sequence of Operations

| Standard Programming | On Event | Off Event | On Light Level | Dim Light Level | Daylight Harvesting  | Delay To Off | Sensitivity |
|----------------------|----------|-----------|----------------|-----------------|----------------------|--------------|-------------|
| OMSBTxL/IMSBTxL      | Motion   | No Motion | 100%           | N/A             | On; Auto Calibration | 20 minutes   | High        |
| OMS                  | Motion   | No Motion | N/A            | N/A             | N/A                  | 30 seconds   | Auto        |

| Operation              | Description  |
|------------------------|--|
| <b>On Event</b>        | Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.   |
| <b>Off Event</b>       | Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.   |
| <b>On Light Level</b>  | The light level that the fixtures will turn on to when ON EVENT occurs.  |
| <b>Dim Light Level</b> | The light level that the fixtures will dim down to when no motion is detected.   |
| <b>Delay to Dim</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.  |
| <b>Delay to Off</b>    | The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.  |
| <b>Sensitivity</b>     | The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view. |



# Steel Poles

## Square Straight



### QUICK LINKS

## FEATURES & SPECIFICATIONS

### Pole Shaft

- Straight poles are 4", 5", or 6" square.
- Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi.
- On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length.

### Hand-Hole

- Standard hand-hole location is 12" above pole base.
- Poles 22' and above have a 3x6 reinforced hand hole.

### Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

### Anchor Bolts

- Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor Bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 PSI.

### Ground Lug

- Ground lug is standard.

### Duplex Receptacle

- Weatherproof duplex receptacle is optional.

### Ground Fault Circuit Interrupter

- Self-testing Ground fault circuit interrupter is optional.

### Finishes

- Every pole is provided with the DuraGrip Protection System and a 5-year limited warranty:
- When the top-of-the line DuraGrip Plus Protection System is selected, in addition to the DuraGrip Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.

### Determining The Luminaire/Pole Combination For Your Application:

- Select luminaire from luminaire ordering information.
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart

- Select Pole Height
- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA
- Consult factory for special wind load requirements and banner brackets.

### Pole Vibration Damper

- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

### Listings

- UL Listed
- BAA/TAA Compliant

## ORDERING GUIDE

| TYPICAL ORDER EXAMPLE: 4SQ B3 S11G 24 S PLP DGP  |  |  |  |   |  |  |
|--|--|--|--|---|--|--|
| Pole Series  | Mounting Method  | Material   | Height <sup>2</sup>  | Mounting Configuration  | Pole Finish  | Options  |
| <b>4SQ</b> - 4" x 4" Square Straight Pole (New Build)<br><b>5SQ</b> - 5" x 5" Square Straight Pole (New Build)<br><b>6SQ</b> - 6" x 6" Square Straight Pole (New Build)<br><b>4SQU</b> - 4" x 4" Square Straight Pole (Retrofit)<br><b>5SQU</b> - 5" x 5" Square Straight Pole (Retrofit)<br><b>6SQU</b> - 6" x 6" Square Straight Pole (Retrofit) | <b>Bolt-On Mount<sup>1</sup></b> - See pole selection guide for patterns and fixture matches<br><b>B5</b> - 5" Traditional Drilling Pattern<br><b>B3 - 3" Reduced Pattern</b><br><b>B2</b> - 2" Low Profile Drilling Pattern<br><b>B2R</b> - Raised 2" Low Profile Drilling Pattern ( <b>LAL4 ONLY</b> )<br><br><b>T</b> - Tenon Mount - See pole selection guide for tenon and fixture/bracket matches<br><br><b>I</b> - No Mounting Holes <sup>1</sup> | <b>S11G</b> - 11 Ga. Steel<br>(4SQ/4SQU and 5SQ/5SQU Only)<br><br><b>S07G</b> - 07 Ga. Steel | 8'<br>10'<br>12'<br>13'<br>14'<br>15'<br>16'<br>17'<br>17'6"<br>18'<br>20'<br>22'<br>22'6"<br>23'<br>24'<br>25'<br>26'<br>27'<br>28'<br>30'<br>32'<br>35'<br>39' | <b>S</b> - Single/Parallel<br><b>D180</b> - Double<br><b>D90</b> - Double<br><b>DN90</b> - Double<br><b>T90</b> - Triple<br><b>TN120</b> - Triple<br><b>Q90</b> - Quad<br><b>QN90</b> - Quad<br><br><b>N</b> - Tenon Mount (Standard Tenon size is 2-3/8" O.D.) <sup>8</sup><br><b>(Blank)</b> - Use with I for Mounting Method | <b>BRZ</b> - Bronze<br><b>BLK</b> - Black<br><b>PLP</b> - Platinum Plus<br><b>WHT</b> - White<br><b>SVG</b> - Satin Verde Green<br><b>GPT</b> - Graphite<br><b>MSV</b> - Metallic Silver<br><b>BZA</b> - Alternate Bronze<br><b>GMG</b> - Gun Metal Gray | <b>GA</b> - Galvanized Anchor Bolts<br><b>SF</b> - Single Flood <sup>3</sup><br><b>DF</b> - Double Flood <sup>3</sup><br><b>DGP</b> - DuraGrip <sup>4</sup> Plus<br><b>LAB</b> - Less Anchor Bolts<br><b>CRXX</b> - Conduit Raceway <sup>4</sup> |



**Need more information?**  
[Click here for our glossary.](#)

**Have additional questions?**  
 Call us at (800) 436-7800



### ACCESSORY ORDERING INFORMATION

| Part Number | Description  |
|-------------|--|
| 122559CLR   | 4BC - 4" Square Base Cover   |
| 122561CLR   | 5BC - 5" Square Base Cover   |
| 122563CLR   | 6BC - 6" Square Base Cover   |
| 132488CLR   | 5BC - 5' Square Universal Base Cover   |
| 131252CLR   | 6BC - 6' Square Universal Base Cover   |
| 122566CLR   | ER2 - Weatherproof Duplex Receptacle   |
| 122567CLR   | GFI - Ground Fault Circuit Interrupter   |
| 132336      | MH5 - mounting Hole Plugs for use with 5" traditional drill pattern (3 set of 3 plugs) |
| 681126      | MH3 - mounting Hole Plugs for use with 3" reduced drill pattern (3 set of 3 plugs)     |
| 725841      | MH2 - Mounting Hole Plugs for use with 2" reduced drill pattern (3 sets of 3 plugs)    |
| 172539      | Vibration Damper - 4" Square Pole (bolt-on mount only)                                 |
| 172538      | Vibration Damper - 5" Square Pole (bolt-on mount only)                                 |
| 178361      | Vibration Damper - 6" Square Pole (bolt-on mount only)                                 |

### ANCHOR BOLT KIT ORDERING INFORMATION

| Part Number    | Description                               |
|----------------|---|
| AB KIT 122584  | 4SQ S11G/S07G Anchor Bolts (Steel Plated) |
| AB KIT 122609  | 4SQ S11G/S07G Anchor Bolts (Galvanized)   |
| AB KIT 1225850 | 5SQ S11G Anchor Bolts (Steel Plated)      |
| AB KIT 122610  | 5SQ S11G Anchor Bolts (Galvanized)        |
| AB KIT 122586  | 5SQ S07G Anchor Bolts (Steel Plated)      |
| AB KIT 122611  | 5SQ S07G Anchor Bolts (Galvanized)        |
| AB KIT 122612  | 6SQ S07G Anchor Bolts (Galvanized)        |

1 - See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern Spec Sheets.

2 - Pole heights will have +/- 1/2" tolerance.

3 - See Flood Lighting Brackets section for choice of FBO brackets.

4 - CR selection must indicate required height and side of pole mounting location. Mounting template required at time of order.

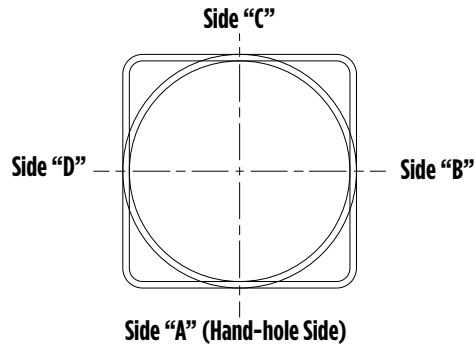
# Steel Poles Square Straight

Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## DRILLING LOCATIONS

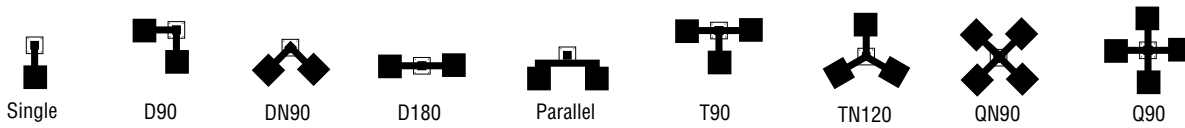
| Sides              | A | B | C | D |
|--------------------|---|---|---|---|
| Hand-hole          | X |   |   |   |
| Single             | X |   |   |   |
| D180               |   | X |   | X |
| D90                | X |   |   | X |
| DN90 <sup>1</sup>  |   |   |   |   |
| T90                | X | X |   | X |
| TN120 <sup>2</sup> |   |   |   |   |
| Q90                | X | X | X | X |
| QN90 <sup>3</sup>  |   |   |   |   |
| Single FBO         | X |   |   |   |
| Double FBO         |   | X |   | X |



- 1 - Two locations will be 45° to the left and right of Side A.
- 2 - Other two locations will be 120° to the left and right of Side A.
- 3 - Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.

Consult factory for custom variations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

## FIXTURE CONFIGURATIONS



# Steel Poles Square Straight

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## BOLT CIRCLE

### STANDARD BASEPLATE

4" (102mm) square  
10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

5" (127mm) square  
10-1/8" (257mm) sq.



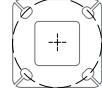
11" (279mm) Dia. Bolt Circle

5" (127mm) square  
10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

6" (152mm) square  
12" (305mm) sq.



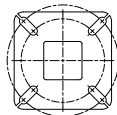
12" (305mm) Dia. Bolt Circle

| Bolt Circle Designator               | B   | C   | D                                       | J                                       |
|--------------------------------------|---|---|---|---|
| Bolt Circle                          | 8"-11"<br>Slotted<br>(203mm-279mm)        | 9"-11"<br>Slotted<br>(229mm-279mm)        | 9"-11"<br>Slotted<br>(229mm-279mm)      | 12"<br>Slotted<br>(305mm)               |
| Anchor Bolt Size                     | 3/4" x 24"<br>(19mm x 609mm)              | 3/4" x 24"<br>(19mm x 609mm)              | 1" x 30"<br>(25mm x 762mm)              | 1" x 30"<br>(25mm x 762mm)              |
| Anchor Bolt Projection               | 3-1/4"<br>(83mm)                          | 3-1/4"<br>(83mm)                          | 4"<br>(102mm)                           | 4"<br>(102mm)                           |
| Base Plate Opening for Wireway Entry | 3-3/4"<br>(92mm)                          | 4-3/4"<br>(121mm)                         | 4-5/8"<br>(117mm)                       | 5-5/8"<br>(143mm)                       |
| Base Plate Dimensions                | 10-1/8" sq. x 3/4" thk.<br>(257mm x 19mm) | 10-1/8" sq. x 3/4" thk.<br>(257mm x 19mm) | 10-1/8" sq. x 1" thk.<br>(257mm x 25mm) | 12" sq. x 1-1/8" thk.<br>(305mm x 29mm) |
| Pole Gauge                           | 11  | 11  | 7                                       | 7                                       |

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

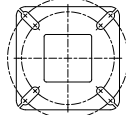
### UNIVERSAL BASEPLATE

4" (102mm) square  
10.5" (267mm) sq.



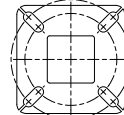
4SQ

5" (127mm) square  
11.125" (283mm) sq.



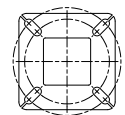
5SQ

5" (127mm) square  
11.75" (298mm) sq.



5SQ

6" (152mm) square  
12-1/2" (318mm) sq.



14" (356mm) Dia. Bolt Circle

| Bolt Circle Designator               | E   | F   | G   | H   |
|--------------------------------------|---|---|---|---|
| Bolt Circle                          | 9"-12"<br>Slotted                           | 10"-13"<br>Slotted                          | 10"-13"<br>Slotted                        | 11"-14"<br>Slotted<br>(279mm-356mm)         |
| Anchor Bolt Size                     | 3/4" x 24"<br>(19mm x 609 mm)               | 3/4" x 24"<br>(19mm x 609 mm)               | 1" x 30"<br>(25mm x 762mm)                | 1" x 30"<br>(25mm x 762mm)                  |
| Anchor Bolt Projection               | 3-1/4"<br>(83 mm)                           | 3-1/4"<br>(83 mm)                           | 4"<br>(102 mm)                            | 4"<br>(102mm)                               |
| Base Plate Opening for Wireway Entry | 3-3/4"<br>(92mm)                            | 4-3/4"<br>(121mm)                           | 4-5/8"<br>(130 mm)                        | 5-5/8"<br>(143mm)                           |
| Base Plate Dimensions                | 10-1/2" sq. x 3/4" thk.<br>(267 mm x 19 mm) | 11-1/8" sq. x 3/4" thk.<br>(283 mm x 19 mm) | 11-3/4" sq. x 1" thk.<br>(298 mm x 25 mm) | 12-1/2" sq. x 1-1/8" thk.<br>(318mm x 29mm) |
| Pole Gauge                           | 11  | 11  | 7   | 7   |

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

1- Full Galvanized option is 1" x 30" straight headed anchor bolt. Contact factory for questions

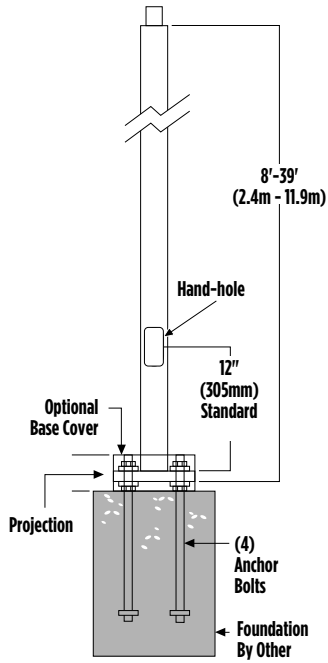
# Steel Poles Square Straight

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## PRODUCT DIMENSIONS

SQT –  
N= 2-3/8" (60mm) O.D. x 4-3/4" (121mm) Tenon



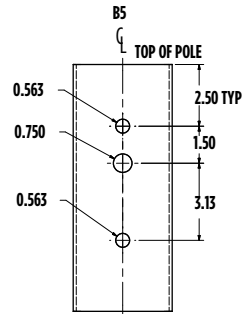
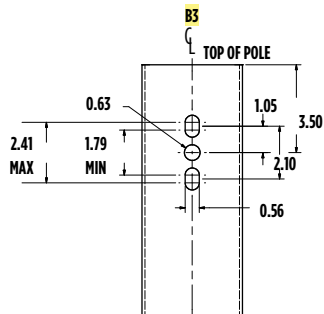
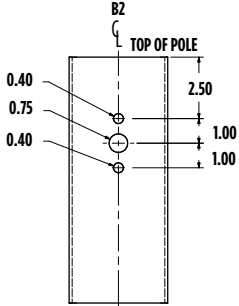
SF –  
Single Flood  
Pole Preparation



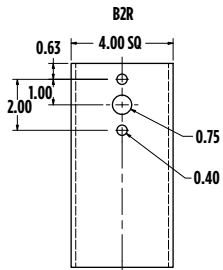
### SHIPPING WEIGHTS

|  |                    |
|--|--------------------|
| 4" (102mm) sq. 11 Ga. is approximately   | 7.50 lbs./ft.      |
| 4" (102mm) sq. 07 Ga. is approximately   | 10.00 lbs./ft.     |
| 5" (127mm) sq. 11 Ga. is approximately   | 9.00 lbs./ft.      |
| 5" (127mm) sq. 07 Ga. is approximately   | 12.50 lbs./ft.     |
| 6" (152mm) sq. 07 Ga. is approximately   | 15.40 lbs./ft.     |
| Anchor Bolts (3/4" x 24") (19mm x 609mm) | 15 lbs. (7kg)/set  |
| Anchor Bolts (1" x 30") (25mm x 762mm)   | 30 lbs. (14kg)/set |

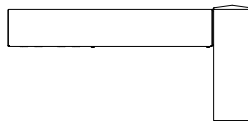
### Bolt-On Mount 2-Bolt Pattern



ONLY FOR USE WITH LAL4 PRODUCT  
BZR- Raised 2" low profile drilling pattern



SIDE VIEW



TOP VIEW





# Steel Poles Square Straight

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## WIND SPEED

### EPA Information

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

| POLE <sup>1</sup>            | Mtg. Height Length (ft) | Wall Thick (ga) | BOLT CIRCLE |           |                      | EPA     |         |         |         |         |         |         |         |         |
|------------------------------|-------------------------|-----------------|-------------|-----------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                              |                         |                 | Designator  | Dia. (in) | Anchor bolt Dia {in} | 110 MPH | 115 MPH | 120 MPH | 130 MPH | 140 MPH | 150 MPH | 160 MPH | 170 MPH | 180 MPH |
| 4" x 11-ga x 12'             | 12                      | 11              | B           | 8" - 11"  | 0.75                 | 13.9    | 12.5    | 11.3    | 9.2     | 7.6     | 6.3     | 5.2     | 4.3     | 3.6     |
| 4" x 11-ga x 14'             | 14                      | 11              | B           | 8" - 11"  | 0.75                 | 10.7    | 9.5     | 8.5     | 6.8     | 5.4     | 4.4     | 3.5     | 2.7     | 2.1     |
| 4" x 11-ga x 16'             | 16                      | 11              | B           | 8" - 11"  | 0.75                 | 8.2     | 7.2     | 6.4     | 4.9     | 3.8     | 2.9     | 2.1     | 1.5     | 1.0     |
| 4" x 11-ga x 18'             | 18                      | 11              | B           | 8" - 11"  | 0.75                 | 6.3     | 5.4     | 4.7     | 3.4     | 2.4     | 1.6     | 1.0     | 0.4     | n/a     |
| 4" x 11-ga x 20'             | 20                      | 11              | B           | 8" - 11"  | 0.75                 | 4.6     | 3.9     | 3.2     | 2.1     | 1.2     | 0.6     | n/a     | n/a     | n/a     |
| 4" x 11-ga x 22'             | 22                      | 11              | B           | 8" - 11"  | 0.75                 | 7.6     | 6.6     | 5.7     | 4.2     | 3.0     | 2.0     | 1.2     | 0.5     | n/a     |
| 4" x 11-ga x 24'             | 24                      | 11              | B           | 8" - 11"  | 0.75                 | 6.0     | 5.1     | 4.3     | 2.9     | 1.8     | 0.9     | n/a     | n/a     | n/a     |
| 4" x 11-ga x 26'             | 26                      | 11              | B           | 8" - 11"  | 0.75                 | 4.6     | 3.7     | 3.0     | 1.7     | 0.7     | n/a     | n/a     | n/a     | n/a     |
| 4" x 7-ga x 14'              | 14                      | 7               | B           | 8" - 11"  | 0.75                 | 18.3    | 16.4    | 14.9    | 12.2    | 10.2    | 8.5     | 7.1     | 5.9     | 5.0     |
| 4" x 7-ga x 16'              | 16                      | 7               | B           | 8" - 11"  | 0.75                 | 14.7    | 13.2    | 11.8    | 9.6     | 7.8     | 6.3     | 5.2     | 4.2     | 3.4     |
| 4" x 7-ga x 18'              | 18                      | 7               | B           | 8" - 11"  | 0.75                 | 11.9    | 10.5    | 9.3     | 7.4     | 5.9     | 4.6     | 3.6     | 2.8     | 2.1     |
| 4" x 7-ga x 20'              | 20                      | 7               | B           | 8" - 11"  | 0.75                 | 9.6     | 8.4     | 7.4     | 5.7     | 4.3     | 3.2     | 2.3     | 1.6     | 0.9     |
| 4" x 7-ga x 22'              | 22                      | 7               | B           | 8" - 11"  | 0.75                 | 7.7     | 6.6     | 5.7     | 4.2     | 3.0     | 2.0     | 1.2     | 0.5     | n/a     |
| 4" x 7-ga x 24'              | 24                      | 7               | B           | 8" - 11"  | 0.75                 | 6.0     | 5.1     | 4.3     | 2.9     | 1.8     | 0.9     | n/a     | n/a     | n/a     |
| 4" x 7-ga x 26'              | 26                      | 7               | B           | 8" - 11"  | 0.75                 | 4.6     | 3.7     | 3.0     | 1.7     | 0.7     | n/a     | n/a     | n/a     | n/a     |
| 4" x 7-ga x 28' <sup>2</sup> | 28                      | 7               | B           | 8" - 11"  | 0.75                 | 3.3     | 2.5     | 1.8     | 0.7     | n/a     | n/a     | n/a     | n/a     | n/a     |
| 4" x 7-ga x 30' <sup>2</sup> | 30                      | 7               | B           | 8" - 11"  | 0.75                 | 2.2     | 1.4     | 0.8     | n/a     | n/a     | n/a     | n/a     | n/a     | n/a     |
| 5" x 11-ga x 14'             | 14                      | 11              | C           | 9" - 11"  | 0.75                 | 17.4    | 15.7    | 14.1    | 11.5    | 9.3     | 7.7     | 6.3     | 5.2     | 4.2     |
| 5" x 11-ga x 16'             | 16                      | 11              | C           | 9" - 11"  | 0.75                 | 13.8    | 12.3    | 10.9    | 8.7     | 6.9     | 5.5     | 4.3     | 3.3     | 2.5     |
| 5" x 11-ga x 18'             | 18                      | 11              | C           | 9" - 11"  | 0.75                 | 10.8    | 9.6     | 8.4     | 6.5     | 4.9     | 3.7     | 2.6     | 1.8     | 1.1     |
| 5" x 11-ga x 20'             | 20                      | 11              | C           | 9" - 11"  | 0.75                 | 8.5     | 7.3     | 6.3     | 4.6     | 3.2     | 2.1     | 1.2     | 0.5     | n/a     |
| 5" x 11-ga x 22'             | 22                      | 11              | C           | 9" - 11"  | 0.75                 | 10.9    | 9.5     | 8.3     | 6.2     | 4.5     | 3.2     | 2.1     | 1.2     | 0.5     |
| 5" x 11-ga x 24'             | 24                      | 11              | C           | 9" - 11"  | 0.75                 | 8.8     | 7.5     | 6.4     | 4.5     | 3.0     | 1.8     | 0.8     | n/a     | n/a     |
| 5" x 11-ga x 26'             | 26                      | 11              | C           | 9" - 11"  | 0.75                 | 6.8     | 5.7     | 4.6     | 3.0     | 1.6     | 0.6     | n/a     | n/a     | n/a     |
| 5" x 11-ga x 28'             | 28                      | 11              | C           | 9" - 11"  | 0.75                 | 5.2     | 4.1     | 3.2     | 1.6     | 0.4     | n/a     | n/a     | n/a     | n/a     |
| 5" x 11-ga x 30'             | 30                      | 11              | C           | 9" - 11"  | 0.75                 | 3.6     | 2.7     | 1.8     | 0.4     | n/a     | n/a     | n/a     | n/a     | n/a     |
| 5" x 7-ga x 20'              | 20                      | 7               | D           | 9" - 11"  | 1.00                 | 21.6    | 19.3    | 17.3    | 14.0    | 11.3    | 9.2     | 7.4     | 6.0     | 4.8     |
| 5" x 7-ga x 22'              | 22                      | 7               | D           | 9" - 11"  | 1.00                 | 20.7    | 18.6    | 16.6    | 13.3    | 10.7    | 8.5     | 6.8     | 5.4     | 4.2     |
| 5" x 7-ga x 24'              | 24                      | 7               | D           | 9" - 11"  | 1.00                 | 17.7    | 15.6    | 13.8    | 10.8    | 8.5     | 6.6     | 5.0     | 3.7     | 2.6     |
| 5" x 7-ga x 26'              | 26                      | 7               | D           | 9" - 11"  | 1.00                 | 14.9    | 13.1    | 11.4    | 8.8     | 6.6     | 4.9     | 3.5     | 2.3     | 1.3     |
| 5" x 7-ga x 28'              | 28                      | 7               | D           | 9" - 11"  | 1.00                 | 12.5    | 10.9    | 9.4     | 6.9     | 4.9     | 3.4     | 2.1     | 1.0     | n/a     |
| 5" x 7-ga x 30'              | 30                      | 7               | D           | 9" - 11"  | 1.00                 | 10.3    | 8.9     | 7.5     | 5.2     | 3.4     | 2.0     | 0.8     | n/a     | n/a     |
| 5" x 7-ga x 35'              | 35                      | 7               | D           | 9" - 11"  | 1.00                 | 6.0     | 4.8     | 3.6     | 1.8     | n/a     | n/a     | n/a     | n/a     | n/a     |
| 6" x 7-ga x 24'              | 24                      | 7               | J           | 12"       | 1.00                 | 18.6    | 16.4    | 14.3    | 11.2    | 8.6     | 6.5     | 4.8     | 3.4     | 2.2     |
| 6" x 7-ga x 26'              | 26                      | 7               | J           | 12"       | 1.00                 | 15.6    | 13.4    | 11.7    | 8.8     | 6.5     | 4.6     | 3.0     | 1.8     | 0.7     |
| 6" x 7-ga x 28'              | 28                      | 7               | J           | 12"       | 1.00                 | 12.9    | 10.9    | 9.3     | 6.7     | 4.6     | 2.8     | 1.5     | n/a     | n/a     |
| 6" x 7-ga x 30'              | 30                      | 7               | J           | 12"       | 1.00                 | 10.4    | 8.8     | 7.3     | 4.8     | 2.9     | 1.3     | n/a     | n/a     | n/a     |
| 6" x 7-ga x 32'              | 32                      | 7               | J           | 12"       | 1.00                 | 8.3     | 6.8     | 5.5     | 3.1     | 1.3     | n/a     | n/a     | n/a     | n/a     |
| 6" x 7-ga x 34'              | 34                      | 7               | J           | 12"       | 1.00                 | 6.5     | 5.0     | 3.7     | 1.6     | n/a     | n/a     | n/a     | n/a     | n/a     |
| 6" x 7-ga x 35'              | 35                      | 7               | J           | 12"       | 1.00                 | 5.5     | 4.2     | 2.9     | 0.9     | n/a     | n/a     | n/a     | n/a     | n/a     |
| 6" x 7-ga x 39'              | 39                      | 7               | J           | 12"       | 1.00                 | 2.3     | 1.0     | n/a     | n/a     | n/a     | n/a     | n/a     | n/a     | n/a     |

# Steel Poles Square Straight

Type : \_\_\_\_\_

 Have questions? Call us at (800) 436-7800

## WIND SPEED

| POLE <sup>1</sup> | Mtg. Height Length (ft) | Wall Thick (ga) | BOLT CIRCLE |           |                      | EPA     |         |         |         |         |         |         |         |         |
|-------------------|-------------------------|-----------------|-------------|-----------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                   |                         |                 | Designator  | Dia. (in) | Anchor Bolt Dia (in) | 110 MPH | 115 MPH | 120 MPH | 130 MPH | 140 MPH | 150 MPH | 160 MPH | 170 MPH | 180 MPH |
| 5" x 11-ga x 14'  | 14                      | 11              | F           | 11"       | 0.75                 | 17.6    | 15.8    | 14.2    | 11.5    | 9.4     | 7.7     | 6.3     | 5.2     | 4.3     |
| 5" x 11-ga x 14'  | 14                      | 11              | F           | 13"       | 0.75                 | 17.6    | 15.8    | 14.2    | 11.5    | 9.4     | 7.7     | 6.3     | 5.2     | 4.3     |
| 5" x 11-ga x 16'  | 16                      | 11              | F           | 11"       | 0.75                 | 13.9    | 12.2    | 11.0    | 8.8     | 7.0     | 5.5     | 4.3     | 3.4     | 2.5     |
| 5" x 11-ga x 16'  | 16                      | 11              | F           | 13"       | 0.75                 | 13.9    | 12.2    | 11.0    | 8.8     | 7.0     | 5.5     | 4.3     | 3.4     | 2.5     |
| 5" x 11-ga x 18'  | 18                      | 11              | F           | 11"       | 0.75                 | 11.0    | 9.6     | 8.4     | 6.5     | 5.0     | 3.7     | 2.7     | 1.8     | 1.1     |
| 5" x 11-ga x 18'  | 18                      | 11              | F           | 13"       | 0.75                 | 11.0    | 9.6     | 8.4     | 6.5     | 5.0     | 3.7     | 2.7     | 1.8     | 1.1     |
| 5" x 11-ga x 20'  | 20                      | 11              | F           | 11"       | 0.75                 | 8.6     | 7.4     | 6.4     | 4.6     | 3.3     | 2.2     | 1.3     | 0.5     | -       |
| 5" x 11-ga x 20'  | 20                      | 11              | F           | 13"       | 0.75                 | 8.6     | 7.4     | 6.4     | 4.6     | 3.3     | 2.2     | 1.3     | 0.5     | -       |
| 5" x 11-ga x 22'  | 22                      | 11              | F           | 11"       | 0.75                 | 12.7    | 11.1    | 9.6     | 7.4     | 5.6     | 4.1     | 3.0     | 2.0     | 1.1     |
| 5" x 11-ga x 22'  | 22                      | 11              | F           | 12"       | 0.75                 | 10.3    | 8.9     | 7.7     | 5.7     | 4.1     | 2.8     | 1.8     | 0.9     | -       |
| 5" x 11-ga x 22'  | 22                      | 11              | F           | 13"       | 0.75                 | 8.6     | 7.4     | 6.4     | 4.6     | 3.1     | 2.0     | 1.1     | -       | -       |
| 5" x 11-ga x 24'  | 24                      | 11              | F           | 11"       | 0.75                 | 10.2    | 8.9     | 7.6     | 5.6     | 4.0     | 2.6     | 1.6     | 0.7     | -       |
| 5" x 11-ga x 24'  | 24                      | 11              | F           | 12"       | 0.75                 | 8.0     | 6.9     | 5.8     | 4.0     | 2.6     | 1.5     | 0.5     | -       | -       |
| 5" x 11-ga x 24'  | 24                      | 11              | F           | 13"       | 0.75                 | 6.7     | 5.5     | 4.6     | 3.0     | 1.7     | 0.7     | -       | -       | -       |
| 5" x 11-ga x 26'  | 26                      | 11              | F           | 11"       | 0.75                 | 8.1     | 6.9     | 5.8     | 4.0     | 2.5     | 1.3     | -       | -       | -       |
| 5" x 11-ga x 26'  | 26                      | 11              | F           | 12"       | 0.75                 | 6.2     | 5.1     | 4.1     | 2.6     | 1.3     | -       | -       | -       | -       |
| 5" x 11-ga x 26'  | 26                      | 11              | F           | 13"       | 0.75                 | 5.0     | 4.0     | 3.1     | 1.6     | 0.5     | -       | -       | -       | -       |
| 5" x 11-ga x 28'  | 28                      | 11              | F           | 11"       | 0.75                 | 6.3     | 5.2     | 4.3     | 2.5     | 1.1     | -       | -       | -       | -       |
| 5" x 11-ga x 28'  | 28                      | 11              | F           | 12"       | 0.75                 | 4.6     | 3.6     | 2.7     | 1.2     | -       | -       | -       | -       | -       |
| 5" x 11-ga x 28'  | 28                      | 11              | F           | 13"       | 0.75                 | 3.4     | 2.5     | 1.7     | -       | -       | -       | -       | -       | -       |
| 5" x 11-ga x 30'  | 30                      | 11              | F           | 11"       | 0.75                 | 4.7     | 3.7     | 2.8     | 1.2     | -       | -       | -       | -       | -       |
| 5" x 11-ga x 30'  | 30                      | 11              | F           | 12"       | 0.75                 | 3.1     | 2.2     | 1.4     | -       | -       | -       | -       | -       | -       |
| 5" x 11-ga x 30'  | 30                      | 11              | F           | 13"       | 0.75                 | 2.0     | 1.2     | 0.5     | -       | -       | -       | -       | -       | -       |
| 5" x 7-ga x 20'   | 20                      | 7               | G           | 11"       | 0.75                 | 19.0    | 17.0    | 15.0    | 12.2    | 9.7     | 7.8     | 6.2     | 5.0     | 3.8     |
| 5" x 7-ga x 20'   | 20                      | 7               | G           | 12"       | 0.75                 | 21.4    | 19.1    | 17.1    | 13.8    | 11.2    | 9.1     | 7.3     | 5.9     | 4.7     |
| 5" x 7-ga x 20'   | 20                      | 7               | G           | 13"       | 0.75                 | 21.4    | 19.2    | 17.2    | 13.9    | 11.3    | 9.2     | 7.4     | 6.0     | 4.8     |
| 5" x 7-ga x 20'   | 20                      | 7               | G           | 11"       | 1                    | 21.7    | 19.4    | 17.4    | 14.0    | 11.4    | 9.3     | 7.5     | 6.0     | 4.8     |
| 5" x 7-ga x 20'   | 20                      | 7               | G           | 13"       | 1                    | 21.7    | 19.4    | 17.4    | 14.0    | 11.4    | 9.3     | 7.5     | 6.0     | 4.8     |
| 5" x 7-ga x 22'   | 22                      | 7               | G           | 11"       | 0.75                 | 16.0    | 14.1    | 12.5    | 9.8     | 7.6     | 5.9     | 4.4     | 3.3     | 2.3     |
| 5" x 7-ga x 22'   | 22                      | 7               | G           | 12"       | 0.75                 | 17.7    | 15.9    | 14.2    | 11.2    | 8.7     | 7.0     | 5.4     | 4.1     | 3.0     |
| 5" x 7-ga x 22'   | 22                      | 7               | G           | 13"       | 0.75                 | 19.9    | 17.3    | 15.6    | 12.6    | 10.0    | 8.0     | 6.3     | 5.0     | 3.8     |
| 5" x 7-ga x 22'   | 22                      | 7               | G           | 11"       | 1                    | 21.0    | 18.7    | 16.7    | 13.4    | 10.6    | 8.5     | 6.8     | 5.4     | 4.2     |
| 5" x 7-ga x 22'   | 22                      | 7               | G           | 12"       | 1                    | 23.4    | 20.6    | 18.4    | 15.0    | 12.2    | 9.9     | 8.0     | 6.4     | 5.1     |
| 5" x 7-ga x 22'   | 22                      | 7               | G           | 13"       | 1                    | 21.3    | 18.8    | 17.0    | 13.7    | 11.0    | 8.8     | 7.0     | 5.6     | 4.3     |
| 5" x 7-ga x 24'   | 24                      | 7               | G           | 11"       | 0.75                 | 13.3    | 11.6    | 10.0    | 7.7     | 5.7     | 4.2     | 2.9     | 1.9     | 1.0     |
| 5" x 7-ga x 24'   | 24                      | 7               | G           | 12"       | 0.75                 | 15.0    | 13.0    | 11.6    | 8.9     | 6.8     | 5.1     | 3.8     | 2.6     | 1.7     |
| 5" x 7-ga x 24'   | 24                      | 7               | G           | 13"       | 0.75                 | 16.6    | 14.6    | 12.9    | 10.2    | 8.0     | 6.1     | 4.6     | 3.3     | 2.3     |
| 5" x 7-ga x 24'   | 24                      | 7               | G           | 11"       | 1                    | 17.5    | 15.7    | 13.9    | 10.9    | 8.6     | 6.7     | 5.0     | 3.7     | 2.7     |
| 5" x 7-ga x 24'   | 24                      | 7               | G           | 12"       | 1                    | 20.0    | 17.4    | 15.4    | 12.3    | 9.9     | 7.8     | 6.0     | 4.7     | 3.5     |
| 5" x 7-ga x 24'   | 24                      | 7               | G           | 13"       | 1                    | 18.1    | 16.0    | 14.2    | 11.0    | 8.7     | 6.7     | 5.3     | 3.9     | 2.8     |
| 5" x 7-ga x 26'   | 26                      | 7               | G           | 11"       | 0.75                 | 10.9    | 9.3     | 8.0     | 5.9     | 4.1     | 2.7     | 1.6     | 0.6     | -       |
| 5" x 7-ga x 26'   | 26                      | 7               | G           | 12"       | 0.75                 | 12.4    | 10.9    | 9.5     | 7.0     | 5.1     | 3.6     | 2.3     | 1.3     | -       |
| 5" x 7-ga x 26'   | 26                      | 7               | G           | 13"       | 0.75                 | 14.0    | 12.3    | 10.7    | 8.1     | 6.0     | 4.4     | 3.1     | 2.0     | 1.0     |
| 5" x 7-ga x 26'   | 26                      | 7               | G           | 11"       | 1                    | 15.0    | 13.2    | 11.5    | 8.8     | 6.7     | 4.9     | 3.5     | 2.3     | 1.3     |

# Steel Poles Square Straight

Type: \_\_\_\_\_

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## WIND SPEED

| POLE <sup>1</sup> | Mtg. Height Length (ft) | Wall Thick (ga) | BOLT CIRCLE |           |                      | EPA     |         |         |         |         |         |         |         |         |
|-------------------|-------------------------|-----------------|-------------|-----------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                   |                         |                 | Designator  | Dia. (in) | Anchor Bolt Dia (in) | 110 MPH | 115 MPH | 120 MPH | 130 MPH | 140 MPH | 150 MPH | 160 MPH | 170 MPH | 180 MPH |
| 5" x 7-ga x 26'   | 26                      | 7               | G           | 12"       | 1                    | 17.0    | 14.8    | 13.0    | 10.2    | 7.9     | 6.0     | 4.4     | 3.1     | 2.1     |
| 5" x 7-ga x 26'   | 26                      | 7               | G           | 13"       | 1                    | 15.3    | 13.5    | 11.8    | 9.0     | 6.8     | 5.0     | 3.6     | 2.5     | 1.4     |
| 5" x 7-ga x 28'   | 28                      | 7               | G           | 11"       | 0.75                 | 8.9     | 7.4     | 6.3     | 4.3     | 2.7     | 1.4     | -       | -       | -       |
| 5" x 7-ga x 28'   | 28                      | 7               | G           | 12"       | 0.75                 | 10.2    | 8.8     | 7.5     | 5.3     | 3.5     | 2.1     | 1.0     | -       | -       |
| 5" x 7-ga x 28'   | 28                      | 7               | G           | 13"       | 0.75                 | 11.8    | 10.2    | 8.8     | 6.4     | 4.5     | 3.0     | 1.7     | 0.7     | -       |
| 5" x 7-ga x 28'   | 28                      | 7               | G           | 11"       | 1                    | 12.5    | 10.9    | 9.5     | 7.0     | 5.0     | 3.3     | 2.1     | 1.0     | -       |
| 5" x 7-ga x 28'   | 28                      | 7               | G           | 12"       | 1                    | 14.2    | 12.4    | 11.0    | 8.2     | 6.0     | 4.3     | 3.0     | 1.7     | 0.8     |
| 5" x 7-ga x 28'   | 28                      | 7               | G           | 13"       | 1                    | 12.9    | 11.0    | 9.7     | 7.2     | 5.2     | 3.6     | 2.2     | 1.1     | -       |
| 5" x 7-ga x 30'   | 30                      | 7               | G           | 11"       | 0.75                 | 7.0     | 5.8     | 4.7     | 2.8     | 1.3     | -       | -       | -       | -       |
| 5" x 7-ga x 30'   | 30                      | 7               | G           | 12"       | 0.75                 | 8.4     | 7.0     | 5.8     | 3.8     | 2.2     | 0.9     | -       | -       | -       |
| 5" x 7-ga x 30'   | 30                      | 7               | G           | 13"       | 0.75                 | 9.7     | 8.2     | 7.0     | 4.8     | 3.0     | 1.6     | 0.5     | -       | -       |
| 5" x 7-ga x 30'   | 30                      | 7               | G           | 11"       | 1                    | 10.4    | 8.8     | 7.6     | 5.3     | 3.4     | 2.0     | 0.8     | -       | -       |
| 5" x 7-ga x 30'   | 30                      | 7               | G           | 12"       | 1                    | 12.0    | 10.3    | 9.0     | 6.4     | 4.4     | 2.9     | 1.6     | 0.5     | -       |
| 5" x 7-ga x 30'   | 30                      | 7               | G           | 13"       | 1                    | 10.6    | 9.1     | 7.7     | 5.5     | 3.6     | 2.1     | 1.0     | -       | -       |
| 5" x 7-ga x 35'   | 35                      | 7               | G           | 11"       | 0.75                 | 3.2     | 2.2     | 1.2     | -       | -       | -       | -       | -       | -       |
| 5" x 7-ga x 35'   | 35                      | 7               | G           | 12"       | 0.75                 | 4.4     | 3.2     | 2.2     | 0.5     | -       | -       | -       | -       | -       |
| 5" x 7-ga x 35'   | 35                      | 7               | G           | 13"       | 0.75                 | 5.5     | 4.2     | 3.1     | 1.3     | -       | -       | -       | -       | -       |
| 5" x 7-ga x 35'   | 35                      | 7               | G           | 11"       | 1                    | 6.0     | 4.8     | 3.6     | 1.8     | -       | -       | -       | -       | -       |
| 5" x 7-ga x 35'   | 35                      | 7               | G           | 12"       | 1                    | 7.3     | 6.0     | 4.8     | 2.7     | 1.1     | -       | -       | -       | -       |
| 5" x 7-ga x 35'   | 35                      | 7               | G           | 13"       | 1                    | 6.3     | 5.0     | 3.8     | 1.9     | -       | -       | -       | -       | -       |
| 6" x 7-ga x 24'   | 24                      | 7               | H           | 11"       | 1                    | 16.5    | 14.4    | 12.6    | 9.6     | 7.2     | 5.3     | 3.8     | 2.5     | 1.4     |
| 6" x 7-ga x 24'   | 24                      | 7               | H           | 12-1/2"   | 1                    | 19.8    | 17.5    | 15.4    | 12.0    | 9.2     | 7.0     | 5.3     | 3.8     | 2.7     |
| 6" x 7-ga x 24'   | 24                      | 7               | H           | 14"       | 1                    | 23.0    | 20.5    | 18.0    | 14.3    | 11.2    | 8.9     | 6.9     | 5.3     | 3.8     |
| 6" x 7-ga x 26'   | 26                      | 7               | H           | 11"       | 1                    | 13.7    | 11.8    | 10.2    | 7.5     | 5.3     | 3.6     | 2.1     | 1.0     | -       |
| 6" x 7-ga x 26'   | 26                      | 7               | H           | 12-1/2"   | 1                    | 16.5    | 14.6    | 12.6    | 9.6     | 7.0     | 5.2     | 3.6     | 2.2     | 1.1     |
| 6" x 7-ga x 26'   | 26                      | 7               | H           | 14"       | 1                    | 19.6    | 17.3    | 15.2    | 11.7    | 8.9     | 6.7     | 5.0     | 3.5     | 2.2     |
| 6" x 7-ga x 28'   | 28                      | 7               | H           | 11"       | 1                    | 11.0    | 9.3     | 7.8     | 5.5     | 3.5     | 1.9     | 0.6     | -       | -       |
| 6" x 7-ga x 28'   | 28                      | 7               | H           | 12-1/2"   | 1                    | 13.8    | 12.0    | 10.2    | 7.5     | 5.2     | 3.4     | 1.9     | 0.7     | -       |
| 6" x 7-ga x 28'   | 28                      | 7               | H           | 14"       | 1                    | 16.4    | 14.5    | 12.5    | 9.4     | 6.9     | 4.7     | 3.2     | 1.8     | 0.7     |
| 6" x 7-ga x 30'   | 30                      | 7               | H           | 11"       | 1                    | 9.0     | 7.3     | 6.0     | 3.6     | 1.9     | 0.5     | -       | -       | -       |
| 6" x 7-ga x 30'   | 30                      | 7               | H           | 12-1/2"   | 1                    | 11.4    | 9.6     | 8.0     | 5.5     | 3.4     | 1.7     | -       | -       | -       |
| 6" x 7-ga x 30'   | 30                      | 7               | H           | 14"       | 1                    | 14.0    | 12.0    | 10.0    | 7.2     | 5.0     | 3.2     | 1.6     | -       | -       |
| 6" x 7-ga x 32'   | 32                      | 7               | H           | 11"       | 1                    | 7.0     | 5.5     | 4.2     | 2.0     | -       | -       | -       | -       | -       |
| 6" x 7-ga x 32'   | 32                      | 7               | H           | 12-1/2"   | 1                    | 9.2     | 7.6     | 6.0     | 3.8     | 1.8     | -       | -       | -       | -       |
| 6" x 7-ga x 32'   | 32                      | 7               | H           | 14"       | 1                    | 11.4    | 9.7     | 8.0     | 5.4     | 3.2     | 1.6     | -       | -       | -       |
| 6" x 7-ga x 34'   | 34                      | 7               | H           | 11"       | 1                    | 5.1     | 3.7     | 2.5     | 0.6     | -       | -       | -       | -       | -       |
| 6" x 7-ga x 34'   | 34                      | 7               | H           | 12-1/2"   | 1                    | 7.2     | 5.6     | 4.4     | 2.2     | -       | -       | -       | -       | -       |
| 6" x 7-ga x 34'   | 34                      | 7               | H           | 14"       | 1                    | 9.3     | 7.6     | 6.2     | 3.6     | 1.7     | -       | -       | -       | -       |
| 6" x 7-ga x 35'   | 35                      | 7               | H           | 11"       | 1                    | 4.2     | 3.0     | 1.8     | -       | -       | -       | -       | -       | -       |
| 6" x 7-ga x 35'   | 35                      | 7               | H           | 12-1/2"   | 1                    | 6.2     | 4.8     | 3.6     | 1.4     | -       | -       | -       | -       | -       |
| 6" x 7-ga x 35'   | 35                      | 7               | H           | 14"       | 1                    | 8.2     | 6.6     | 5.2     | 2.9     | 1.0     | -       | -       | -       | -       |
| 6" x 7-ga x 39'   | 39                      | 7               | H           | 11"       | 1                    | 1.0     | -       | -       | -       | -       | -       | -       | -       | -       |
| 6" x 7-ga x 39'   | 39                      | 7               | H           | 12-1/2"   | 1                    | 3.0     | 1.6     | 0.5     | -       | -       | -       | -       | -       | -       |
| 6" x 7-ga x 39'   | 39                      | 7               | H           | 14"       | 1                    | 4.6     | 3.3     | 2.0     | -       | -       | -       | -       | -       | -       |