

## Architectural Review Board Staff Report

**Project type:** Site Development Section Plan

**Meeting Date:** May 09, 2024

**From:** Shilpi Bharti, Planner *SB*

**Location:** 16839 N. Outer 40 Road

**Description:** **Summit Topgolf, Lot C1:** A Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for a retail building located on a 2.16-acre tract of land located north side of north outer 40 road, zoned “PC”-Planned Commercial.

### PROPOSAL SUMMARY

Bethlehem Shared Services, LLC on behalf of Cigars International, has submitted a Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a proposed retail/bar building located at 16839 N. Outer 40 Road in Summit Topgolf subdivision.

Proposed Development includes:

- 6,800 square feet of Retail and Bar
- 1,250 square feet of outdoor patio
- 70 parking spaces
- Landscape Plan
- Lighting Plan



Figure 1: Subject Location

### HISTORY OF SUBJECT SITE

The site is located in Summit Topgolf subdivision of the City of Chesterfield. The subdivision was zoned “NU” –Non-Urban District prior to the City’s incorporation. In 1999, the site was rezoned to “PC” Planned Commercial creating the Ordinance 1564. In 2017, site-specific ordinance 1564 was amended to revise the legal description and permitted uses. A Site Development Concept Plan was also subsequently approved in 2017. Later in 2018 and 2019 the ordinance was amended to modify the development standards. The current ordinance governing the site is Ordinance 3039.

## STAFF ANALYSIS

South of the subject site has an existing storm water control area where no development is proposed by the applicant. The proposed retail building is located on the northern portion of the property. There is a proposed outdoor patio on the west side of the building. The outdoor patio may be accessed by sidewalk that begins at the proposed parking lot and travels along the existing storm water channel. There is one access from the north Outer 40 Road. The City of Chesterfield Unified Development Code (UDC) provides general requirements for site design and building design which are further described in the report.



Figure 2: Colored Site Plan

## Site Relationships

The proposed building is 8,050 square feet (including the outdoor patio) on 2.16 acres of land. The height of the proposed building is 30' (including the roof top mechanical equipment). The site is surrounded by vacant land on the east, TopGolf on the north and west, and North Outer 40 road on the south. The proposed building on site will be a single-story retail/bar. The trash enclosure will be located on the east of the subject site.



### Circulation System and Access

The site is accessed through an existing 30' wide asphalt road that comes off North Outer 40 Road from the south. Internal driveways are 22' wide with two-way access.

### Scale, Topography, Retaining Wall and Screening

The site sits vacant and is surrounded by building on the north and west, and vacant land on the east. The existing TopGolf building is a three story building. The site is generally flat and no retaining walls are proposed for the development. The roof-top mechanical equipment will be screened by a parapet.

### Materials and Color

The four sides of the building façade consist of khaki brown lap siding, drystack stone, and a white cornice. The front of the building faces North Outer 40 Road. The front elevation has six 2' X 4' Cedar wood planks and lap siding with drystack stone cladding along the base of the building. The patio proposed on the west of the building will be a post and beam structure. The patio and the front tower are proposed to have cornice of colonial red color. The trash enclosure is located on the east.

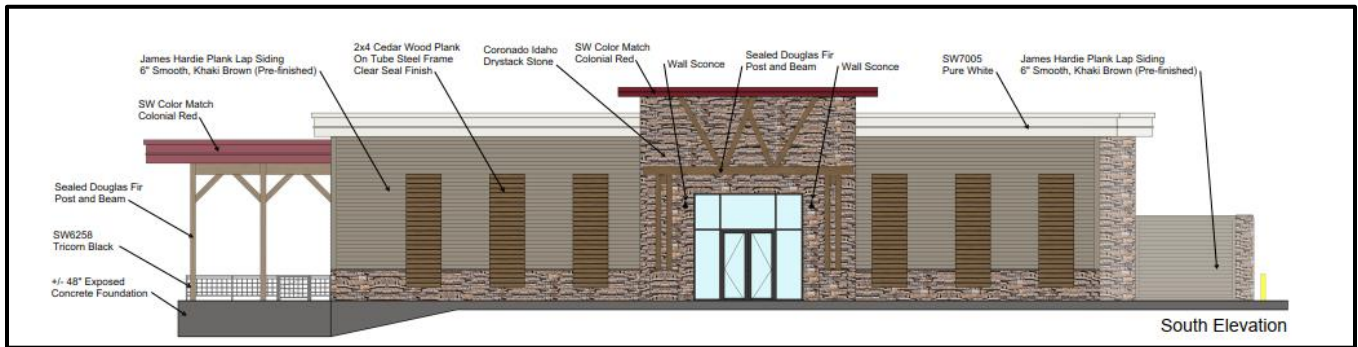


Figure 3: Front Elevation

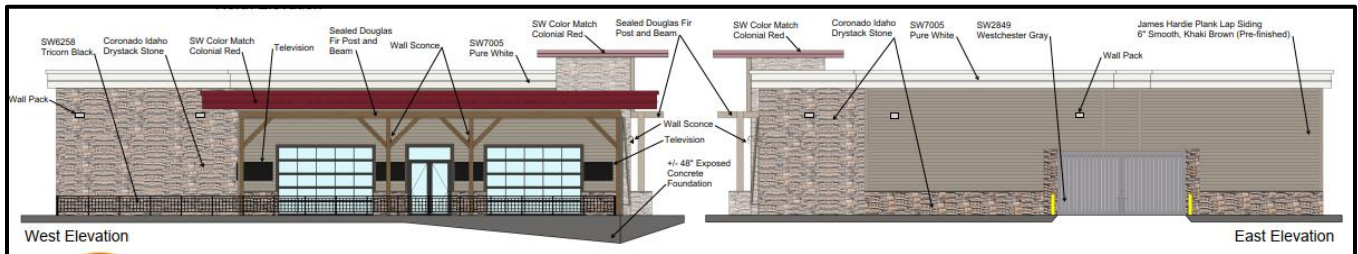


Figure 4: East and west side Elevation

### Lighting

There are six different types of light fixtures proposed for this development which includes wall pack light, catenary light, wall sconce, pendant, recessed downlight, and site poles.

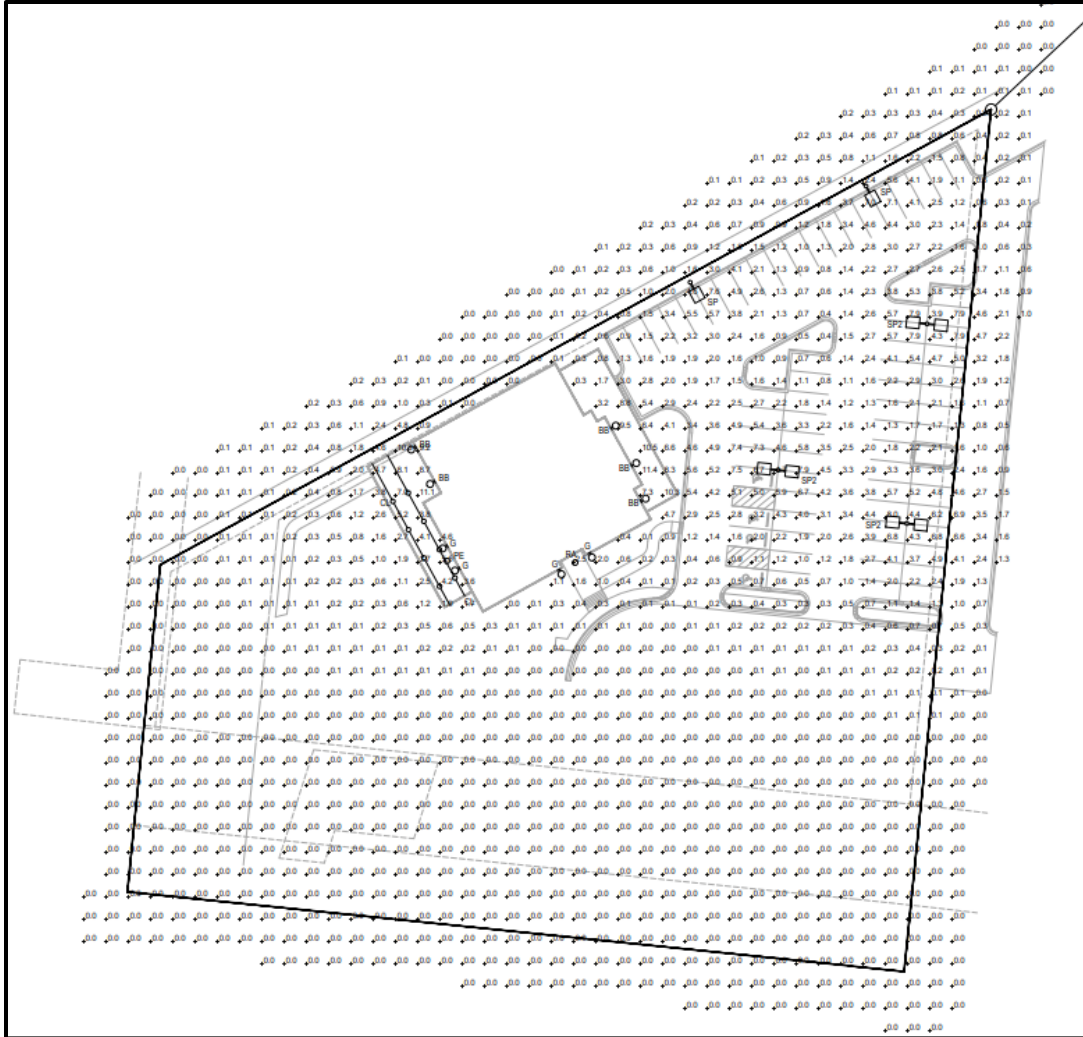


Figure 5: Lighting Plan

### Landscaping

The proposed landscape plan consists of different types of tree canopies, shrubs, and ground covers. The site is required to have a 30' landscape buffer along North Outer 40 Road per the Unified Development Code. The proposed landscape plan depicts the 30' landscape buffer on the south, as required.

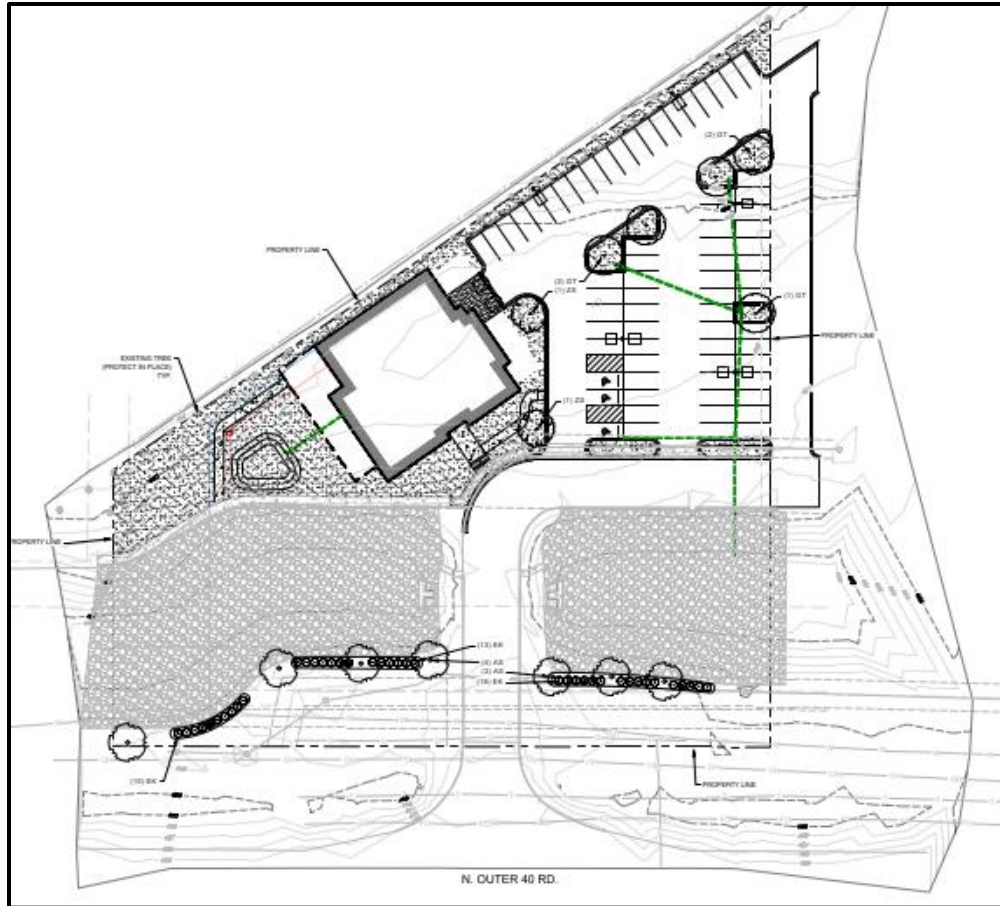


Figure 6: Proposed Landscaping

### Rendering



Figure 7: View from North Outer 40 Road



### **DEPARTMENTAL INPUT**

Be advised, this project is under review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

### **MOTION**

The following options are provided to the Architectural Review Board for consideration relative to this application:

- 1) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Summit Topgolf Lot C-1, as presented, with a recommendation for approval (or denial)."
  
- 2) "I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Summit Topgolf Lot C-1, with a recommendation for approval with the following conditions..."

#### Attachments

1. Architectural Review Packet Submittal

Date: April 9, 2024

Attention: Shilpi Bharti  
Planner  
City of Chesterfield

Ref: Architectural Review Board Submission  
Architect's Statement of Design  
Cigars International  
Retail Cigar Store, Lounge / Bar  
16839 N. Outer 40 Road  
Chesterfield, MO 63005

Ms. Bharti,

As required by Chesterfield's Unified Development Code, the following is our Architect's Statement of Design, responding to the Architectural Review Design Standards as they apply to this project.

**General Requirements for Site Design:**

1. Site Relationships – The proposed Cigar's International establishment is located adjacent to North Outer Road 40 just north of the drainage area. Top Golf is located north and west of our site and Chesterfield Valley Nursery is located to the east.
2. Circulation System and Access – The development is accessed via an existing 30' wide asphalt road that comes off North Outer Road. There is a cross access easement with the property to the east. 70 parking stalls are proposed on the eastern portion of the site. There is a sidewalk that comes from the Top Golf and will be continued onto our site.
3. Topography – The majority of the site is relatively flat and drains to the south and west.
4. Retaining Walls – There are not any retaining walls proposed for this site.

**General Requirements for Building Design:**

1. Scale – The proposed establishment is scaled appropriately for the area. Adjacent recently constructed properties are similar in design and overall construction. The final height of the building parapets are still being determined, but it will be +/- 26' AFF for most of the building and approximately +/- 30' AFF to the highest point at the main entry. The mechanical equipment will be on the roof and will be shielded by parapets.



- 
2. Design – The building design and finishes are coordinated on all sides of the building. The overall design of the building is different from any other Cigar’s International store as we redesigned the entire exterior to better fit with the surrounding architecture. The main entry is easily distinguishable, and the partially covered patio is large and inviting.
  3. Building Materials – The materials and color palate were chosen to comply with brand standards as well as to fit with the surrounding architecture. There is a mix of stone, cementitious siding and exposed timber visible on all four sides. The colors used are neutral overall with a pop of Colonial Red. The windows on the front of the building have a decorative cedar wood shade system and provide interest / character. There are two large overhead doors in the patio area.
  4. Landscape Design and Screening – Landscaping has been designed to meet the City of Chesterfield’s requirements. The bulk of the landscaping is Bermuda Grass with Maple, Locust and Zelkova trees planted throughout.
  5. Signage – The proposed building signage will be on the front façade and on the patio side of the building.
  6. Lighting – Lighting will be a mix of gooseneck wall wash lights, traditional wall packs and parking lot pole lights. Cut sheets and photometric plan provided.

Sincerely,



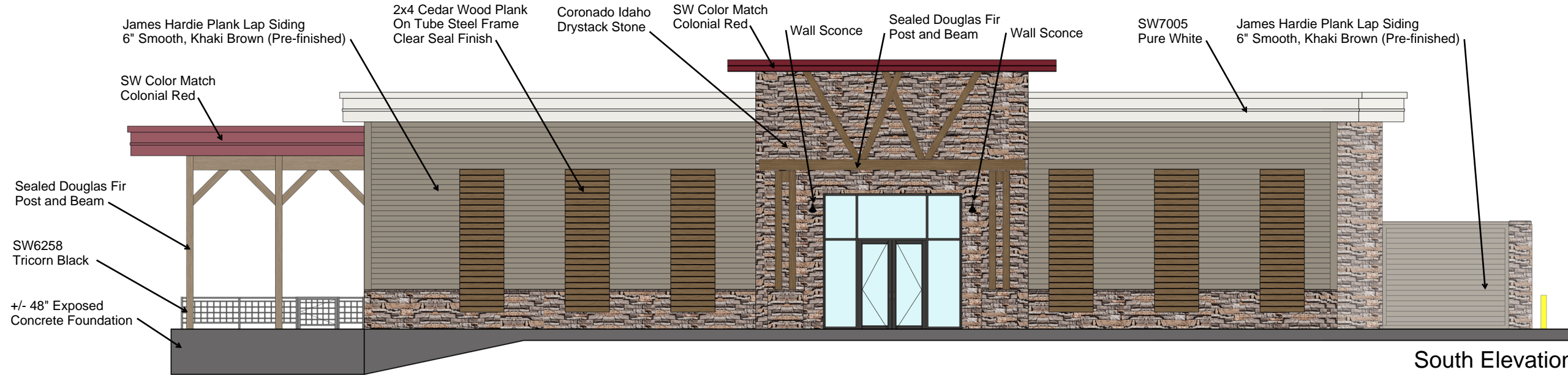
Frank Shahlari  
Lickel Architecture  
913.708.1665

[frank@lickelarchitecture.com](mailto:frank@lickelarchitecture.com)

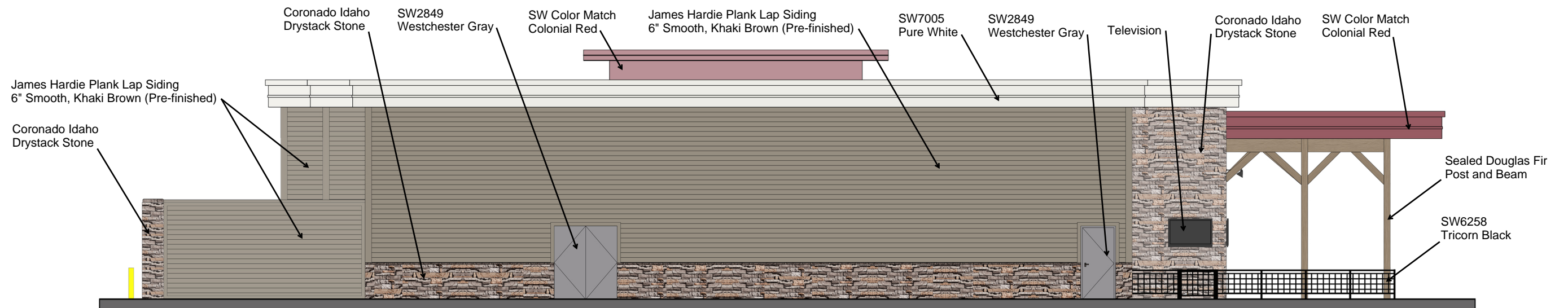
---



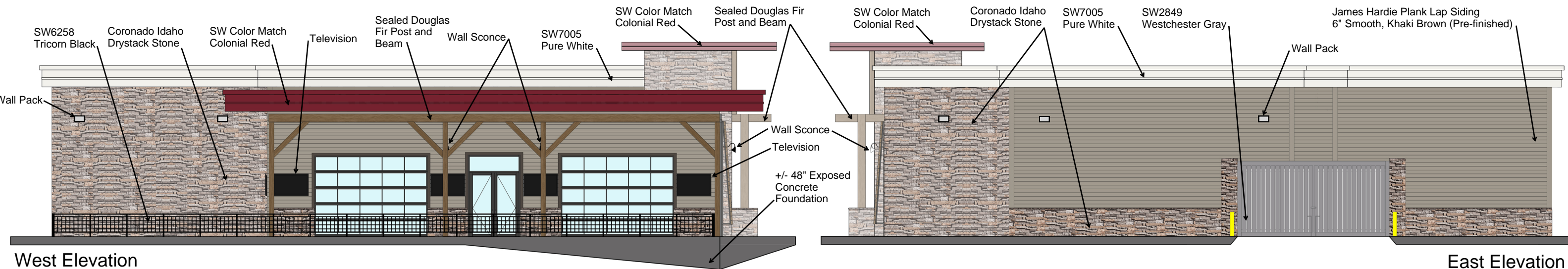




South Elevation



North Elevation

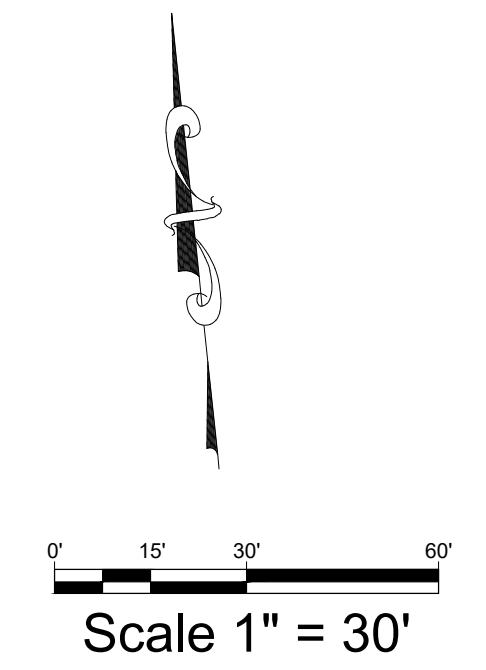
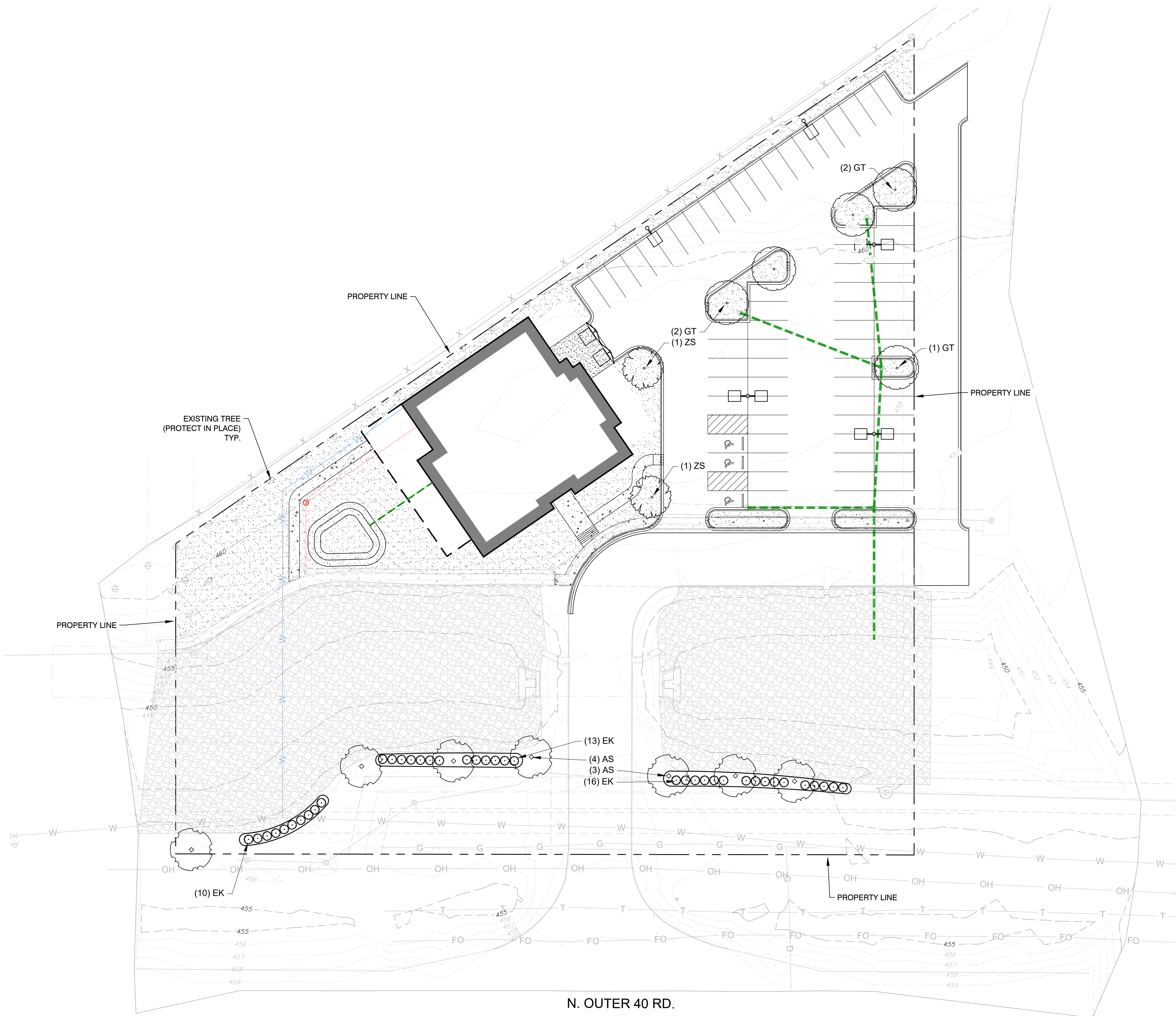


West Elevation

East Elevation







**PLANT\_SCHEDULE**

TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	AS	Legacy Sargur Maple / <i>Acer saccharum</i> 'Legacy'	B&B	2.5" Cal	7
	GT	Skyline Honey Locust / <i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Skycole'	B&B	2.5" Cal	5
	ZS	Village Green Zelkova / <i>Zelkova serrata</i> 'Village Green'	B&B	2.5" Cal	2
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	EK	Manhattan Euonymus / <i>Euonymus kiautschovicus</i> 'Manhattan'	3 gal	39	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> 'tif 419'	sod	11,875 sf	

**LANDSCAPE CALCULATIONS**

LOT AREA: 93,999 SF (2.16 AC)  
 ZONING: PC - (PLANNED COMMERCIAL DISTRICT)

**STREET TREE LANDSCAPING:**  
 N. OUTER 40 RD. - 350 LF  
 TREES @ 1 / 50 LF: 7 TREES REQUIRED  
 7 TREES PROVIDED

**PARKING LOT & TREE ISLAND LANDSCAPING:**  
 1 TREE PER ISLAND: PROVIDED  
 ALL PARKING SPACES WITHIN 50' OF TREE: PROVIDED

**GENERAL PLANTING NOTES**

- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN). BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/- 0.1' OF FINISH GRADE. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
- CONSTRUCT AND MAINTAIN FINISH GRADES IN LANDSCAPE AREAS 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 AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ENSURE THAT THE GRADE IN SHRUB AREAS SHALL BE 2" BELOW FINISH GRADE AFTER INSTALLING SOIL AMENDMENTS, AND 1" BELOW FINISH GRADE IN SOOD AREAS AFTER INSTALLING SOIL AMENDMENTS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE 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.
- INSTALL 5 OUNCE, WOVEN NEEDLE-PUNCHED POLYPROPYLENE FABRIC (DeWITT "PRO-5" OR EQUAL) UNDER ALL MULCHED AREAS AND INDIVIDUAL TREE RINGS.
- INSTALL 4" MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING BEDS AND TREE RINGS. DO NOT INSTALL MULCH WITHIN 6" OF TREE ROOT FLARE.
- INSTALL 1/4" GREEN STEEL EDGING BETWEEN ALL PLANTING BEDS AND TURF AREAS, AND BETWEEN GROUNDCOVERS AND OTHER PLANTS (WHERE INDICATED ON THE PLAN).
- HYDROMULCH ALL DISTURBED AREAS OUTSIDE OF PROPERTY LIMITS (UNLESS SHOWN AS SOO).
- 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).
- PLANTS MAY BE INSPECTED AND APPROVED OR REJECTED ON THE JOBSITE BY THE OWNER OR OWNER'S REPRESENTATIVE.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTling OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED WELL, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
- SHOULD SEEDING AND/OR SOODED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
- TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
  - THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
  - ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
  - SOODED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2" INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEEDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SOODED TURF SHALL BE NEATLY MOWED.
- 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 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.

**MULCHES**

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" 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).

2200 CABOT DRIVE  
 SUITE 325  
 LISLE, IL 60532  
 P: 630.598.0007  
 WWW.CAGECIVIL.COM

**CAGE**  
 CIVIL ENGINEERING

REVISIONS

THESEER AND THESE DRAWINGS ARE THE PROPERTY OF CAGE ENGINEERING, INC. NO PART OF THESE DRAWINGS ARE TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION FROM CAGE ENGINEERING, INC.

SITE DEVELOPMENT PLAN FOR  
**CIGARS INTERNATIONAL -  
 RETAIL EXPANSION**  
 16839 NORTH OUTER 40 ROAD  
 CHESTERFIELD, MISSOURI

PROJ NO: 230327  
 ENG: KHH/JGN  
 DATE: 01/26/2024

SHEET TITLE  
**LANDSCAPE  
 PLANTING**

SHEET NUMBER  
**LP-1**  
 OF XX

STEPHEN W. SALES  
 LICENSED LANDSCAPE ARCHITECT  
 STATE OF MISSOURI  
 NO. 000000000  
 DATE: 04/25/2024

**EVERGREEN  
 DESIGN GROUP**  
 (800) 680-6630  
 4625 Lindell Blvd., Ste 200  
 St Louis, MO 63101  
 www.EvergreenDesignGroup.com



**PLANTING SPECIFICATIONS**

**GENERAL**

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR
  1. ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
  2. A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
  3. THE LANDSCAPE CONTRACTOR SHALL HOLD A VALID CONTRACTOR'S LICENSE ISSUED BY THE APPROPRIATE LOCAL JURISDICTION.
- B. SCOPE OF WORK
  1. 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 OF ALL WORK, SPECIFIED HEREIN AND /OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
  2. 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.
  3. 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:
  1. 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.
  2. TREES SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED ROOT SYSTEMS, NON-POT-ROUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS J-SHAPED ROOTS).
  3. TREES MAY BE PLANTED FROM CONTAINERS OR BALLED-AND-BURLAPPED (B&B), UNLESS SPECIFIED ON THE PLANTING LEGEND. BARE-ROOT TREES ARE NOT ACCEPTABLE.
  4. 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 SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
  5. 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.
  6. 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.
  7. 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 CALIPER OF THE THREE LARGEST TRUNKS.
  8. 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.
  9. SOD: PROVIDE WELL-ROOTED SOD OF THE PLANS, NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH PALLET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
  10. SEED: PROVIDE BLEND OF SPECIES AND VARIETIES AS 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.
  11. TOPSOIL: SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN 1/2 INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.
  12. 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.
  13. 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).
  14. MULCH: SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.
- C. TREE STAKING AND CUYING
  1. STAKES: 6" LONG GREEN METAL T-POSTS.
  2. GUY AND TIE WIRE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.106 INCH DIAMETER.
  3. STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE.
- D. STEEL EDGING: PROFESSIONAL STEEL EDGING 14 GAUGE, THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN. ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL.
- E. PRE-EMERGENT HERBICIDES: ANY GRANULAR, NON-STANNING 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**

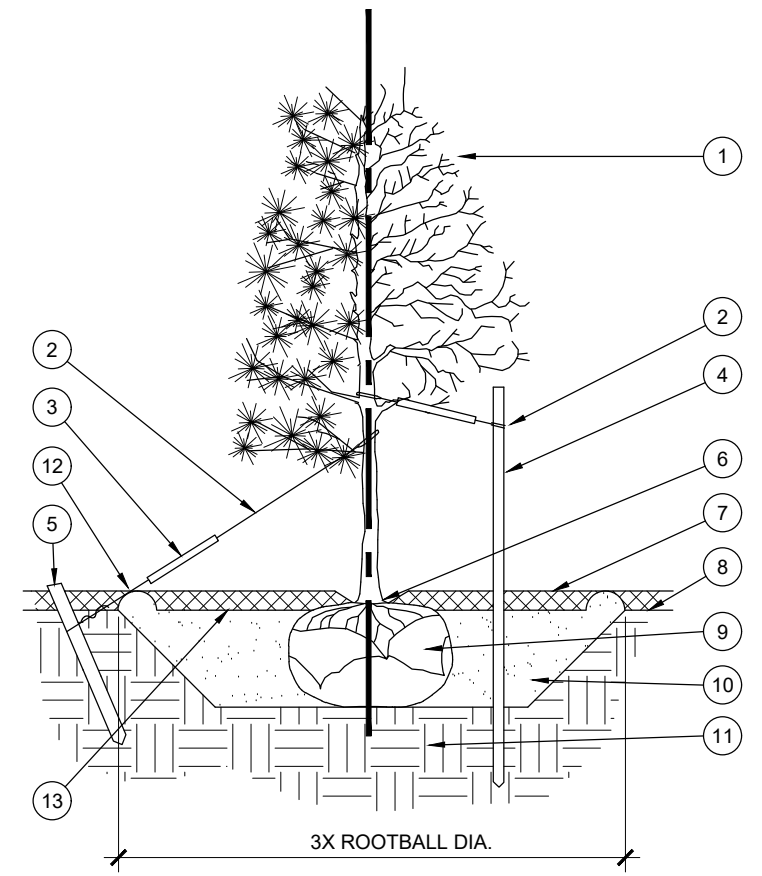
- A. SOIL PREPARATION
  1. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
  2. SOIL TESTING:
    - a. AFTER FINISH GRADES HAVE BEEN 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.
    - b. THE CONTRACTOR SHALL HAVE THE SOIL TESTING LABORATORY PROVIDE RESULTS FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT.
    - c. THE CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
    - d. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): SEPARATE SOIL PREPARATION AND BACKFILL MIX RECOMMENDATIONS FOR GENERAL ORNAMENTAL PLANTS, XERIC 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.
  3. 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.
  4. FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING:
    - i. TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 6" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
      - 1. NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
      - 2. PREPLANT TURF FERTILIZER (10-20-10 OR SIMILAR, SLOW RELEASE, ORGANIC) - 15 LBS PER 1,000 S.F.
    - ii. "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE
    - iii. TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 6" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
      - 1. NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
      - 2. 12-12-12 FERTILIZER (OR SIMILAR, ORGANIC, SLOW RELEASE) - 10 LBS PER CU. YD.
      - 3. "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE
      - 4. IRON SULPHATE - 2 LBS PER CU. YD.
  5. 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 ON 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.
  6. 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.

**B. SUBMITTALS**

- 1. THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE LANDSCAPE ARCHITECT, AND RECEIVE APPROVAL IN WRITING FOR SUCH SUBMITTALS BEFORE WORK COMMENCES.
- 2. SUBMITTALS SHALL INCLUDE PHOTOS OF WORKS 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 TREES/SHRUB, TURF, AND SEED AREAS AS MAY BE APPROPRIATE).
- 3. SUBMITTALS SHALL ALSO INCLUDE MANUFACTURER CUT SHEETS FOR PLANTING ACCESSORIES SUCH AS TREE STAKES AND TIES, EDGING, AND LANDSCAPE FABRICS (IF ANY).
- 4. WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE ITEM BEING CONSIDERED.

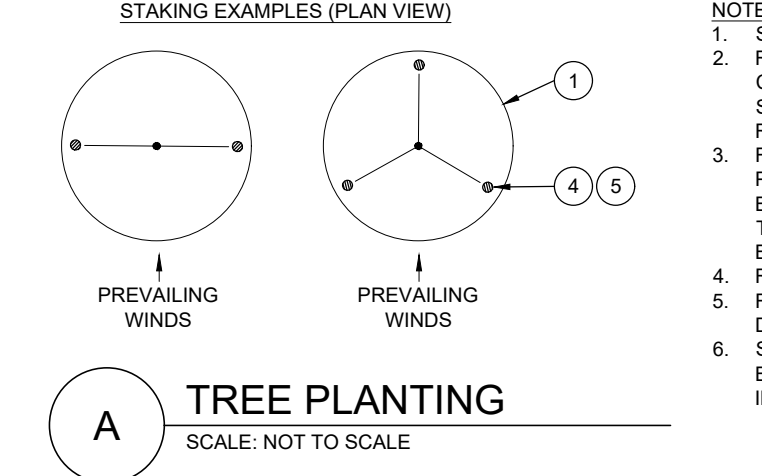
**C. GENERAL PLANTING**

- 1. REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
- 2. EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
- 3. TRENCHING NEAR EXISTING TREES:
  - a. 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 GREATEST HEIGHT (4.9 ABOVE THE AVERAGE GRADE AT THE TRUNK).
  - b. 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.
  - c. 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.
  - d. ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOOD PAINTS.
- 4. TREE PLANTING
  1. TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOT BALL, 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 GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE.
  2. FOR CONTAINERS AND BOX TREES, TO REMOVE ANY POTENTIAL 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 JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT FROM THE ROOTBALL.
  3. INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO FOUR INCHES ABOVE THE SURROUNDING GRADE.
  4. INSTAL THE TREE HOLE UTILIZING THE 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 ACCOMPLISH THIS TASK, USE STORED TOPSOIL FROM ON-SITE OR IMPORTED TOPSOIL SHALL BE OF SIMILAR TEXTURAL CLASS AND COMPOSITION IN THE ON-SITE SOIL.
  5. TREES SHALL NOT BE STAKED UNLESS LOCAL CONDITIONS (SUCH AS HEAVY WINDS OR SLOPES) REQUIRE STAKES TO KEEP TREES UPRIGHT. SHOULD STAKES BE USED, THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. SHOULD ANY TREES FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE, OR REPLACE IT SHOULD IT BECOME DAMAGED. TREE STAKING SHALL ADHERE TO THE FOLLOWING GUIDELINES:
    - a. 1"-2" TREES: TWO STAKES PER TREE
    - b. 2"-4" TREES: THREE STAKES PER TREE
    - c. TREES OVER 4" CALIPER: GUY AS NEEDED
    - d. MULTI-TRUNK TREES: THREE STAKES PER TREE MINIMUM, QUANTITY AND POSITIONS AS NEEDED TO STABILIZE THE TREE
    - e. #16 CONT - 24" BOX TREES: TWO STAKES PER TREE
    - f. 36"-48" BOX TREES: THREE STAKES PER TREE
    - g. OVER 48" BOX TREES: GUY AS NEEDED
    - h. MULTI-TRUNK TREES: THREE STAKES PER TREE MINIMUM, QUANTITY AND POSITIONS AS NEEDED TO STABILIZE THE TREE
  6. UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE, COVER THE INTERIOR OF THE BERING WITH THE WEED BARRIER CLOTH AND TOPDRESS WITH MULCH (TYPE AND DEPTH PER PLANS).
- 5. SHRUB, PERENNIAL, AND GROUNDCOVER PLANTING
  1. DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANTS ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST RECOMMENDATIONS.
  2. INSTALL THE WEED BARRIER CLOTH, OVERLAPPING IT AT THE ENDS. UTILIZE STEEL STAPLES TO KEEP THE WEED BARRIER CLOTH IN PLACE.
  3. WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING BEDS, COVERING THE ENTIRE PLANTING AREA.
- 6. SODDING
  1. SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
  2. LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN.
  3. 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.
  4. ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SODS ROOT SYSTEM WITH THE SOIL UNDERNEATH.
  5. 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.
- 7. MULCH
  1. INSTALL MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING AREAS AND TREE RINGS.
  2. 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 PROTRUDE 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.
- 8. CLEAN UP
  1. DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.
  2. LEGALLY DISPOSE ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
- 9. INSPECTION AND ACCEPTANCE
  1. UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
  2. WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
  3. THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.
- 10. LANDSCAPE MAINTENANCE
  1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTING OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED WELL, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
  2. SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF PLANTS AT NO ADDITIONAL COST TO THE OWNER.
  3. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
    - a. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
    - b. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
    - c. SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESODDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.
- 11. WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS
  1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, SEEDED/HYDROMULCHED AREAS, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
  2. AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS.
  3. THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.



- 1. 2" CNCH-TIES (24" BOX" CAL. TREES AND SMALLER) OR 1/2 GAUGE GALVANIZED WIRE WITH NYLON TREE STRAPS AT TREE AND STAKE (36" BOX" CAL. TREES AND LARGER). SECURE TIES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.
- 2. 24" X 3/4" P.V.C. MARKERS OVER WIRES.
- 3. GREEN STEEL T-POSTS. EXTEND POSTS 12" MIN. INTO UNDISTURBED SOIL.
- 4. PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.), BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SOIL.
- 5. TRUNK FLARE.
- 6. MULCH, TYPE AND DEPTH PER PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK.
- 7. FINISH GRADE.
- 8. ROOT BALL.
- 9. BACKFILL, AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- 10. UNDISTURBED NATIVE SOIL.
- 11. 4" HIGH EARTHEN WATERING BASIN.
- 12. FINISH GRADE.

- NOTES:**
1. SCARIFY SIDES OF PLANTING PIT PRIOR TO SETTING TREE.
  2. REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL. THE ROOT FLARE IS 2"-4" ABOVE FINISH GRADE.
  3. FOR B&B TREES, CUT OFF BOTTOM 1/3 OF WIRE BASKET BEFORE PLACING TREE IN HOLE. CUT OFF AND REMOVE REMAINDER OF BASKET AFTER TREE IS SET IN HOLE. REMOVE ALL NYLON TIES, TWINE, ROPE, AND OTHER PACKING MATERIAL. REMOVE AS MUCH BURLAP FROM AROUND ROOTBALL AS IS PRACTICAL.
  4. REMOVE ALL NURSERY STAKES AFTER PLANTING.
  5. FOR TREES 36" BOX" CAL. AND LARGER, USE THREE STAKES OR DEADMEN (AS APPROPRIATE), SPACED EVENLY AROUND THE BASKET AFTER TREE IS SET IN HOLE. REMOVE ALL NYLON TIES, TWINE, ROPE, AND OTHER PACKING MATERIAL. REMOVE AS MUCH BURLAP FROM AROUND ROOTBALL AS IS PRACTICAL.
  6. STAKING SHALL BE TIGHT ENOUGH TO PREVENT TRUNK FROM BENDING, BUT LOOSE ENOUGH TO ALLOW SOME TRUNK MOVEMENT IN WIND.



**A TREE PLANTING**  
SCALE: NOT TO SCALE

**B ROOT BARRIER - PLAN VIEW**  
SCALE: NOT TO SCALE

2200 CABOT DRIVE  
SUITE 325  
LISLE, IL 60532  
P: 630.598.0007  
WWW.CAGECIVIL.COM

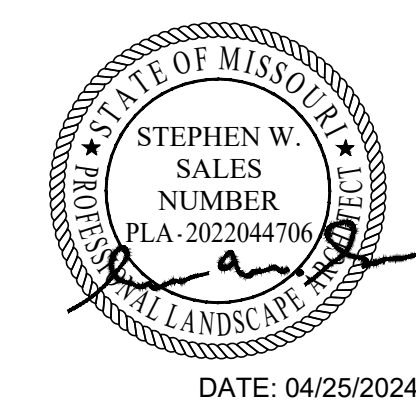


**REVISIONS**

SITE DEVELOPMENT PLAN FOR  
**CIGARS INTERNATIONAL -  
RETAIL EXPANSION**  
16839 NORTH OUTER 40 ROAD  
CHESTERFIELD, MISSOURI

PROJ NO: 230327  
ENG: KHH/JGN  
DATE: 01/26/2024

SHEET TITLE  
**LANDSCAPE  
DETAILS &  
SPECIFICATIONS**  
SHEET NUMBER  
**LP-2**  
OF XX











**FEATURES**

- Applications: Indoor and Outdoor
- Lamp: LED Lamp (Included)
- LED Lamp Life: 25,000 Hours
- Length: Built to Order
- Finish: Black
- Feed: Standard 4 Pin Feed Cord
- Stream Relief: Cable Included, Not to Be Mounted
- Mounting: Mounting Arm/Cable (Sold Separately)

**LISTINGS**

Dry or Wet Location  
ANSI/UL 159, CSA 227.26, 255.0-14, 2nd Edition  
UL2088, CSA C227.26

**OPTIONS**

- Max. Capacity: 10 Cops
- UV Rating: Sun Light Resistant
- Installation: Link to Installation Instructions

**ELECTRICAL**

Forward Phase

**MAXIMUM RUN** 250' Without Conduit, 300' With Conduit

**VOLTAGE** 120V

**SYSTEM** 20 Amp (27 Gauge Wire)

**WIRING** 1/2" x 1/4" Lugs

**LAMP SPECIFICATIONS**

LAMP NUMBER	CORRELATED COLOR TEMPERATURE	COMPATIBLE SHAPES
2.1K	2700K Incandescent White	OSL
2.1K	2700K Warm White	OSL, OSFL, OSF, SSC
3.1K	3000K Warm White	OSL, OSFL, OSF, SSC
5.1K	5000K Cool White	OSL, OSFL, OSF, SSC
A	Amber	OSL, OSF
B	Red	OSL, OSF
C	Green	OSL, OSF
D	Blue	OSL, OSF

**PROJECT** ML2000 **TYPE** CL

**SERIES OPTIONS**  
Click image to view individual submit

**ACCESSORIES (Sold Separately)**

**SERIES SPACING LAMP DIMMING LISTING FIXTURE LENGTH**

SERIES	SPACING	LAMP	DIMMING	LISTING	FIXTURE LENGTH
ML2000	12" OC (12')	2.7K OSF	5.8K OSFL	Forward Phase (20W)	Specify Length
ML2000-CA*	18" OC (18')	3.5K OSF	2.7K OSFL	Indoor (20W)	Specify Length
ML2000-CA2H*	24" OC (24')	4.5K OSF	3.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA2P*	30" OC (30')	6.0K OSF	2.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA3*	36" OC (36')	7.5K OSF	3.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA4*	42" OC (42')	9.0K OSF	4.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA5*	48" OC (48')	10.5K OSF	5.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA6*	54" OC (54')	12.0K OSF	6.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA7*	60" OC (60')	13.5K OSF	7.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA8*	66" OC (66')	15.0K OSF	8.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA9*	72" OC (72')	16.5K OSF	9.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA10*	78" OC (78')	18.0K OSF	10.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA11*	84" OC (84')	19.5K OSF	11.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA12*	90" OC (90')	21.0K OSF	12.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA13*	96" OC (96')	22.5K OSF	13.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA14*	102" OC (102')	24.0K OSF	14.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA15*	108" OC (108')	25.5K OSF	15.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA16*	114" OC (114')	27.0K OSF	16.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA17*	120" OC (120')	28.5K OSF	17.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA18*	126" OC (126')	30.0K OSF	18.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA19*	132" OC (132')	31.5K OSF	19.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA20*	138" OC (138')	33.0K OSF	20.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA21*	144" OC (144')	34.5K OSF	21.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA22*	150" OC (150')	36.0K OSF	22.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA23*	156" OC (156')	37.5K OSF	23.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA24*	162" OC (162')	39.0K OSF	24.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA25*	168" OC (168')	40.5K OSF	25.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA26*	174" OC (174')	42.0K OSF	26.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA27*	180" OC (180')	43.5K OSF	27.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA28*	186" OC (186')	45.0K OSF	28.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA29*	192" OC (192')	46.5K OSF	29.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA30*	198" OC (198')	48.0K OSF	30.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA31*	204" OC (204')	49.5K OSF	31.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA32*	210" OC (210')	51.0K OSF	32.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA33*	216" OC (216')	52.5K OSF	33.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA34*	222" OC (222')	54.0K OSF	34.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA35*	228" OC (228')	55.5K OSF	35.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA36*	234" OC (234')	57.0K OSF	36.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA37*	240" OC (240')	58.5K OSF	37.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA38*	246" OC (246')	60.0K OSF	38.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA39*	252" OC (252')	61.5K OSF	39.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA40*	258" OC (258')	63.0K OSF	40.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA41*	264" OC (264')	64.5K OSF	41.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA42*	270" OC (270')	66.0K OSF	42.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA43*	276" OC (276')	67.5K OSF	43.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA44*	282" OC (282')	69.0K OSF	44.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA45*	288" OC (288')	70.5K OSF	45.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA46*	294" OC (294')	72.0K OSF	46.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA47*	300" OC (300')	73.5K OSF	47.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA48*	306" OC (306')	75.0K OSF	48.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA49*	312" OC (312')	76.5K OSF	49.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA50*	318" OC (318')	78.0K OSF	50.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA51*	324" OC (324')	79.5K OSF	51.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA52*	330" OC (330')	81.0K OSF	52.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA53*	336" OC (336')	82.5K OSF	53.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA54*	342" OC (342')	84.0K OSF	54.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA55*	348" OC (348')	85.5K OSF	55.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA56*	354" OC (354')	87.0K OSF	56.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA57*	360" OC (360')	88.5K OSF	57.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA58*	366" OC (366')	90.0K OSF	58.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA59*	372" OC (372')	91.5K OSF	59.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA60*	378" OC (378')	93.0K OSF	60.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA61*	384" OC (384')	94.5K OSF	61.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA62*	390" OC (390')	96.0K OSF	62.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA63*	396" OC (396')	97.5K OSF	63.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA64*	402" OC (402')	99.0K OSF	64.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA65*	408" OC (408')	100.5K OSF	65.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA66*	414" OC (414')	102.0K OSF	66.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA67*	420" OC (420')	103.5K OSF	67.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA68*	426" OC (426')	105.0K OSF	68.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA69*	432" OC (432')	106.5K OSF	69.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA70*	438" OC (438')	108.0K OSF	70.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA71*	444" OC (444')	109.5K OSF	71.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA72*	450" OC (450')	111.0K OSF	72.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA73*	456" OC (456')	112.5K OSF	73.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA74*	462" OC (462')	114.0K OSF	74.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA75*	468" OC (468')	115.5K OSF	75.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA76*	474" OC (474')	117.0K OSF	76.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA77*	480" OC (480')	118.5K OSF	77.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA78*	486" OC (486')	120.0K OSF	78.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA79*	492" OC (492')	121.5K OSF	79.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA80*	498" OC (498')	123.0K OSF	80.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA81*	504" OC (504')	124.5K OSF	81.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA82*	510" OC (510')	126.0K OSF	82.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA83*	516" OC (516')	127.5K OSF	83.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA84*	522" OC (522')	129.0K OSF	84.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA85*	528" OC (528')	130.5K OSF	85.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA86*	534" OC (534')	132.0K OSF	86.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA87*	540" OC (540')	133.5K OSF	87.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA88*	546" OC (546')	135.0K OSF	88.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA89*	552" OC (552')	136.5K OSF	89.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA90*	558" OC (558')	138.0K OSF	90.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA91*	564" OC (564')	139.5K OSF	91.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA92*	570" OC (570')	141.0K OSF	92.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA93*	576" OC (576')	142.5K OSF	93.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA94*	582" OC (582')	144.0K OSF	94.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA95*	588" OC (588')	145.5K OSF	95.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA96*	594" OC (594')	147.0K OSF	96.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA97*	600" OC (600')	148.5K OSF	97.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA98*	606" OC (606')	150.0K OSF	98.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA99*	612" OC (612')	151.5K OSF	99.8K OSFL	Outdoor (20W)	Specify Length
ML2000-CA100*	618" OC (618')	153.0K OSF	100.8K OSFL	Outdoor (20W)	Specify Length

**Envoy LIGHTING**

**ELEDWP60W/80W**  
60 & 80 Watt LED Wall Pack

The ELEDWP60W/80W are rugged, durable LED wall packs, which are perfect for outdoor perimeter and area lighting. With die cast aluminum housings and vandal resistant, borosilicate glass lenses, the ELEDWP60W/80W will stand up to many years of punishing environmental conditions. High-efficiency, long-life LEDs provide both energy and maintenance cost savings compared to traditional, HID wall packs.

**FEATURES**

- Available in 4000K (neutral white) and 5000K (cool white) color temperatures.
- Long-life LEDs provide 50,000 hours of operation (ELEDWP60W), or 67,000 hours of operation (ELEDWP80W) with at least 70% of initial lumen output (L70).
- Uniform illumination with no visible LED pixelation.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90
- Total harmonic distortion < 20%.
- Color rendering index > 70.
- Die cast aluminum housing with durable, dark bronze, powder coat paint.
- Tempered, borosilicate glass lens with seamless, silicone gasket to prevent leaks.
- Removable, threaded plugs for side attachment of 1/2" rigid electrical conduit, or for button photocells.
- Easy installation in new construction or retrofit.
- 1 FT/W/80W models deliver 6,500 lumens and 115 lumens per watt (LPW) at 4000K, or 7,231 lumens and 126 LPW at 5000K.
- ELEDWP60W models deliver 9,803 lumens and 126 LPW at 4000K, or 9,593 lumens and 126 LPW at 5000K.

**WARRANTY & LISTINGS**

- cULus listed for wet locations (-30°C to 40°C / -22°F to 104°F)
- IP65 rated.
- DLC standard approved.
- 5-year warranty on all electronics and housing.

**DIMENSIONS**

Weight: 11 lbs.

**ORDERING INFORMATION**

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature
ELEDWP60W-4K	61	6,500	115	4K = 4000K
ELEDWP60W-5K	61	7,231	119	5K = 5000K
ELEDWP80W-4K	78	9,803	126	4K = 4000K
ELEDWP80W-5K	78	9,593	128	5K = 5000K

Office: 215-512-7000 • Fax: 267-288-5604  
www.EnvoyLighting.com

Specifications subject to change without prior notice.  
© 2019, Envoy Lighting, Inc. ALL RIGHTS RESERVED

**ALL-PRO**

DESCRIPTION: The ET400ATSB is a Non-IC, AIR-TITE™ housing designed for use with small aperture trims. The shallow height allows it to be used in spaces where vertical height is limited. For use in non-insulated ceilings, if ceiling insulation is present, it must be kept 3" from the fixtures on all sides.

**SPECIFICATION FEATURES**

**Housing**  
Die-formed GRG with powder coat finish.

**Plaster Frame**  
• Housing is secured in plaster frame with spring bands.  
• The housing can be adjusted in the plaster frame.  
• The housing can be removed from the plaster frame to provide access to the junction box.

**Junction Box**  
• Positioned to accommodate straight conduit runs.  
• Seven conduit knockouts are uniform 1/2" size with true pry-out ends.  
• Four pry-outs with integral strain relief simplify "NM" non-metallic sheathed cable installation.  
• Three quick connect wire connectors included.

**ALL-NAIL™ BAR HANGERS**  
Bar Hanger features include:  
• Pre-installed nail.  
• Mini leveling foot aligns the housing to the bottom of the joist.  
• Housing can be positioned at any point within 24" joint spans.  
• Score lines allow tool-free shortening for narrow joist spacing.  
• Bar hangers may be repositioned 90° on plaster frame.  
• Integral T-bar clip snaps onto T-bars - no additional clips are required.

**Socket**  
Adjustable position bracket with porcelain socket and metal plated brass screw shell provides flexibility in lamp positioning.

**Thermal Protector**  
Thermal protector deactivates fixture if overheating occurs due to improper lamping or misapplied insulation.

**Labels**  
• UL/ULC Listed 1598 Luminaire  
• UL/ULC Listed for Damp Location  
• UL/ULC Listed for Wet Location, covered ceiling  
• Certified Under ASTM-E2883 for air tight construction

**4" Non-Insulated Ceiling AIR-TITE™ Recessed Housing with Adjustable Bracket**

**4" TRIMS**

FOR USE IN NON-INSULATED CEILING OR INSULATED CEILING BUT INSULATION MUST BE KEPT 3" FROM ALL SIDES OF FIXTURE

**ET400ATSB**

**ADJUSTABLE SOCKET**

**COOPER Lighting**

ADVI10487 3/1/11

**BASELITE - WAREHOUSE SHADE - LED - SPEC SHEET**

PROJECT NAME: \_\_\_\_\_ PROJECT TYPE: \_\_\_\_\_

MODEL # \_\_\_\_\_

NOTES: PE

**A - SHADES**

**WAREHOUSE**  
W908 - 3700K (MAX)  
W912 - 3000K (MAX)  
W914 - 2700K (MAX)  
W916 - 2400K (MAX)  
W918 - 2100K (MAX)  
W920 - 1800K (MAX)  
W924 - 1500K (MAX)  
W927 - 1200K (MAX)  
W930 - 900K (MAX)  
W933 - 600K (MAX)  
W936 - 300K (MAX)

**B - FINISH OPTIONS**

FINISH OPTIONS FOR WAREHOUSE SHADES (FINISH OPTIONS FOR WAREHOUSE SHADES)  
14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

**C - MOUNTING OPTIONS**

3" ARM EXTENSIONS  
12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162, 168, 174, 180, 186, 192, 198, 20









Top Golf - 16851 N. Outer 40 Road



Residence Inn - 16875 N. Outer 40 Road



Chesterfield Valley Nursery - 16825 N. Outer 40 Road



Vacant Lot - 16833 N. Outer 40 Road





Coronado Idaho Drystack Stone



Coronado Chiseled Stone Sill - Light Grey



James Hardie Plank Lap Siding  
6" Smooth, Khaki Brown (Pre-finished)



James Hardie Fiber Cement Trim  
4/4 Smooth, Khaki Brown (Pre-finished)



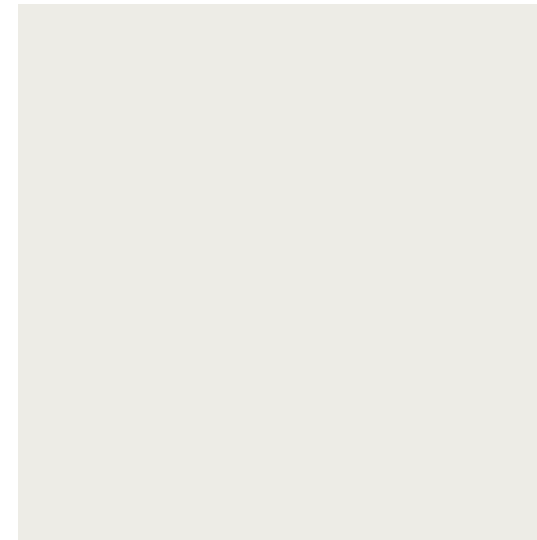
Sherwin Williams  
SW6258 Tricorn Black



Sherwin Williams  
SW2849 Westchester Gray



Sherwin Williams  
Custom Color Match - Colonial Red



Sherwin Williams  
SW7005 Pure White



2x4 Cedar Wood Plank  
On Tube Steel Frame  
Clear Seal Finish