

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

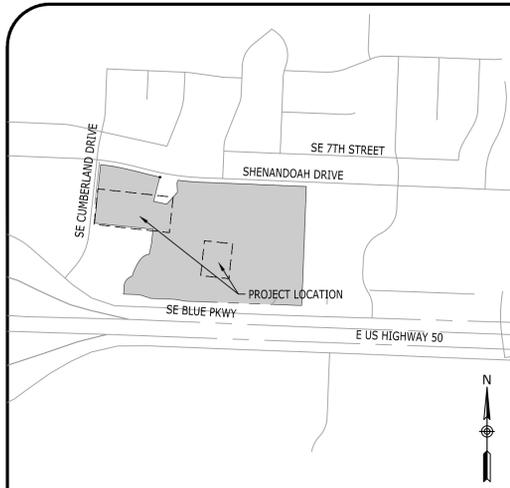
02/18/2026

CONSTRUCTION DOCUMENTS HCA - LEE'S SUMMIT MEDICAL CENTER

LEE'S SUMMIT, JACKSON COUNTY COUNTY, MO

CATALYST PROJECT NO. 20240037

ISSUED DECEMBER 5, 2024; REVISED JUNE 11, 2025; REVISED OCTOBER 21, 2025



VICINITY MAP
NOT TO SCALE

SITE DATA

TAX MAP: 60
PARCEL ID.: 60-420-99-15-00-0-00-000
SITE ADDRESS: 2000 SHENANDOAH DRIVE
LEE'S SUMMIT, MO 64063
SITE ACREAGE: 24.48 AC. (1,066,349 FT²)
EXISTING ZONING: CP-2
PROPOSED USE: HOSPITAL

IMPERVIOUS SURFACE AREA
BUILDINGS: 0.04 AC. (1,766 FT²)
DRIVES/SIDEWALKS: 0.94 AC. (40,787 FT²)
TOTAL PROPOSED IMPERVIOUS AREA: 0.98 AC. (42,553 FT²)

PARKING SUMMARY

PARKING REQUIRED:
HOSPITAL: 1.8 SPACES / BED
MOB: 5 SPACES / 1,000SF
PROPOSED 26 BED FACILITY: 1.8 SPACES / BED

LEE'S SUMMIT MEDICAL CENTER					
COMPONENT	EXISTING PARKING	DISPLACED PARKING	ADDED PARKING	ACTUAL PARKING	CODE REQUIRED PARKING
EXISTING (88 BEDS + 122,799 SF OF MOB'S)	752	0	0	752	773
PROPOSED PROJECT - (26 BED ADD/TOTAL 114 BEDS)	752	2	75	825	820

TOTAL PARKING REQUIRED:
88 BEDS X 1.8 SPACES = 159 SPACES REQUIRED
(122,799 SF OF MOB'S / 1,000SF) X 5 = 614 SPACES REQUIRED
26 BEDS X 1.8 SPACES = 47 SPACES REQUIRED
TOTAL REQUIRED: 820 SPACES REQUIRED
EXISTING PARKING: 752 SPACES

PARKING PROVIDED:
STANDARD PARKING: 795 SPACES
ADA PARKING: 35 SPACES
TOTAL PROVIDED PARKING: 825 SPACES

THE 30 EXISTING ADA SPACES EXCEED THE ADA PARKING REQUIREMENT (17 ADA SPACES) WITH THE REMOTE PARKING LOT ADDITION.

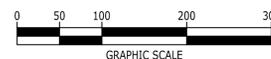
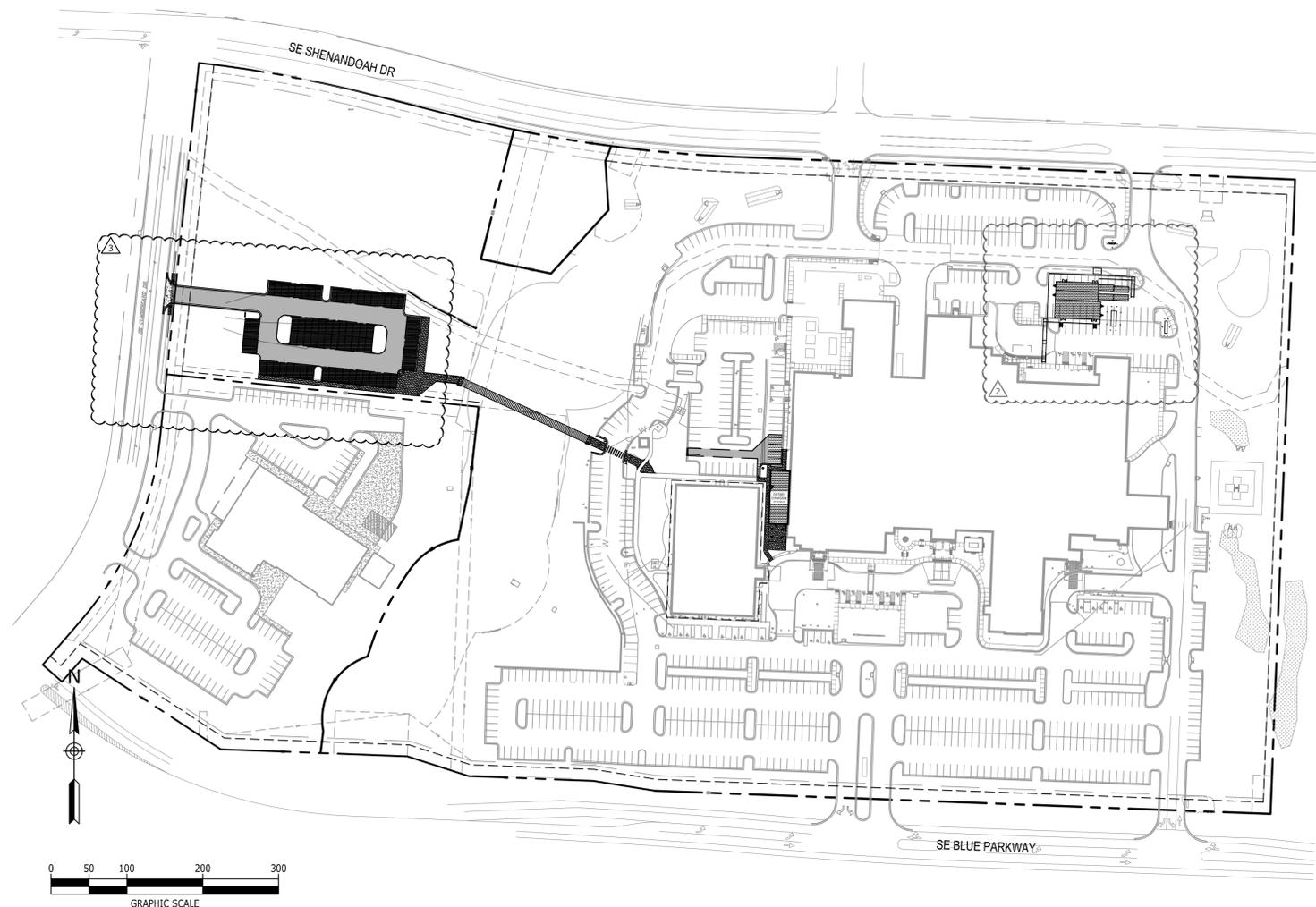
OWNER: MIDWEST DIVISION LSH LLC
ADDRESS: PO BOX 80610
INDIANAPOLIS, IN 46280

PROJECT REPRESENTATIVE: CATALYST DESIGN GROUP
ADDRESS: 1524 WILLIAMS DRIVE
MURFREESBORO, TN 37129
PHONE NO.: 615-701-6411
CONTACT NAME: JACK PARKER
CONTACT E-MAIL ADDRESS: jparker@catalyst-dg.com

FEMA PANEL:
THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 29095C0439G, 01/20/2017, COMMUNITY NAME: JACKSON COUNTY.

LEGAL DESCRIPTION:

A TRACT OF LAND IN THE NORTHWEST QUARTER OD SECTION 36, TOWNSHIP 48, RANGE 32 IN THE CITY OD LEE'S SUMMIT, JACKSON COUNTY, MISSOURI MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 36; THENCE NORTH 86 DEGREES 19 MINUTES 41 SECONDS WEST, ALONG THE SOUTH LINE OF SAID NORTHWEST QUARTER OD SAID SECTION 36, 310.15 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF OLD MISSOURI HIGHWAY 50, SAID POINT BEING THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG A PROLONGATION OF THE LAST DESCRIBED COURSE, 225.49 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF RELOCATED MISSOURI HIGHWAY 50; THENCE NORTHEASTERLY ALONG A CURVE TO THE LEFT, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, HAVING A RADIAL BEARING OF NORTH 74 DEGREES 59 MINUTES 09 SECONDS WEST AND A RADIUS OF 1104.93 FEET AN ARC DISTANCE OF 140.47 FEET, SAID POINT BEING 150.00 FEET EASTERLY FROM STA. 11+26.6 ON RAMP 8 ON SAID RELOCATED MISSOURI HIGHWAY 50, AS MEASURED PERPENDICULAR THERETO; THENCE NORTH 7 DEGREES 43 MINUTES 49 SECONDS EAST, PARALLEL WITH SAID RAMP 8 AND ALONG SAID EASTERLY RIGHT-OF-WAY LINE, 180.60 FEET TO A POINT 150.00 FEET RIGHT OF STA 13+07.20 ON SAID RAMP 8, AS MEASURED PERPENDICULAR THERETO; THENCE NORTHEASTERLY ALONG A CURVE TO THE RIGHT, ALONG SAID EASTERLY RIGHT-OF-WAY LINE HAVING A RADIAL BEARING OF SOUTH 82 DEGREES 16 MINUTES 11 SECONDS EAST AND A RADIUS OF 613.94 FEET AN ARC DISTANCE OF 23.99 FEET TO A POINT 150.00 FEET RIGHT OF STA 13+37.05 ON SAID RAMP 8, AS MEASURED PERPENDICULAR THERETO; THENCE NORTH 77 DEGREES 07 MINUTES 26 SECONDS EAST, ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF INTERSTATE ROUTE 470, 61.96 FEET (60.9 FEET RECORD) TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF OLD MISSOURI HIGHWAY 50, SAID POINT BEING 90.00 FEET RIGHT OF STA 540+50.00 AS MEASURED PERPENDICULAR THERETO; THENCE SOUTH 16 DEGREES 28 MINUTES 19 SECONDS EAST ALONG SAID WESTERLY RIGHT-OF-WAY LINE, 384.30 FEET TO THE TRUE POINT OF BEGINNING.



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L1.1	DETAILED LANDSCAPE PLAN
L1.2	DETAILED LANDSCAPE PLAN
L2.0	LANDSCAPE DETAILS

PRCOM20246374

ARCHITECT
DEVENNEY GROUP LTD., ARCHITECTS
6900 EAST CAMELBACK ROAD, SUITE 500
SCOTTSDALE, AZ 85251
602-943-8950

PREPARED FOR
LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063
816-282-5000



CIVIL ENGINEER/LANDSCAPE ARCHITECT
Catalyst
DESIGN GROUP
1524 WILLIAMS DRIVE SUITE 201
MURFREESBORO, TN 37129
(615) 622-7200



COVER SHEET

C0.0

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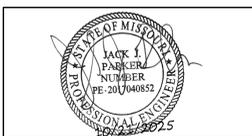
Devenney
GRO P

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6900 East Camelback Road
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Scottsdale, AZ 85251
T: 602.943.8950
www.devenneygroup.com

Consultant:

Catalyst
DESIGN GROUP

1524 WILLIAMS DRIVE, SUITE 201, MURFREESBORO, TN 37129
(615) 622-7200 | WWW.CATALYST-DG.COM



IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER, THEY ARE TO BE CONSIDERED PRELIMINARY AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SECTION 102 OF THE COPYRIGHT ACT OF 1976 AND AMENDED DECEMBER 1992 AND PROVEN AS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990. THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE SEIZURE OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP LTD.

INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
097240009

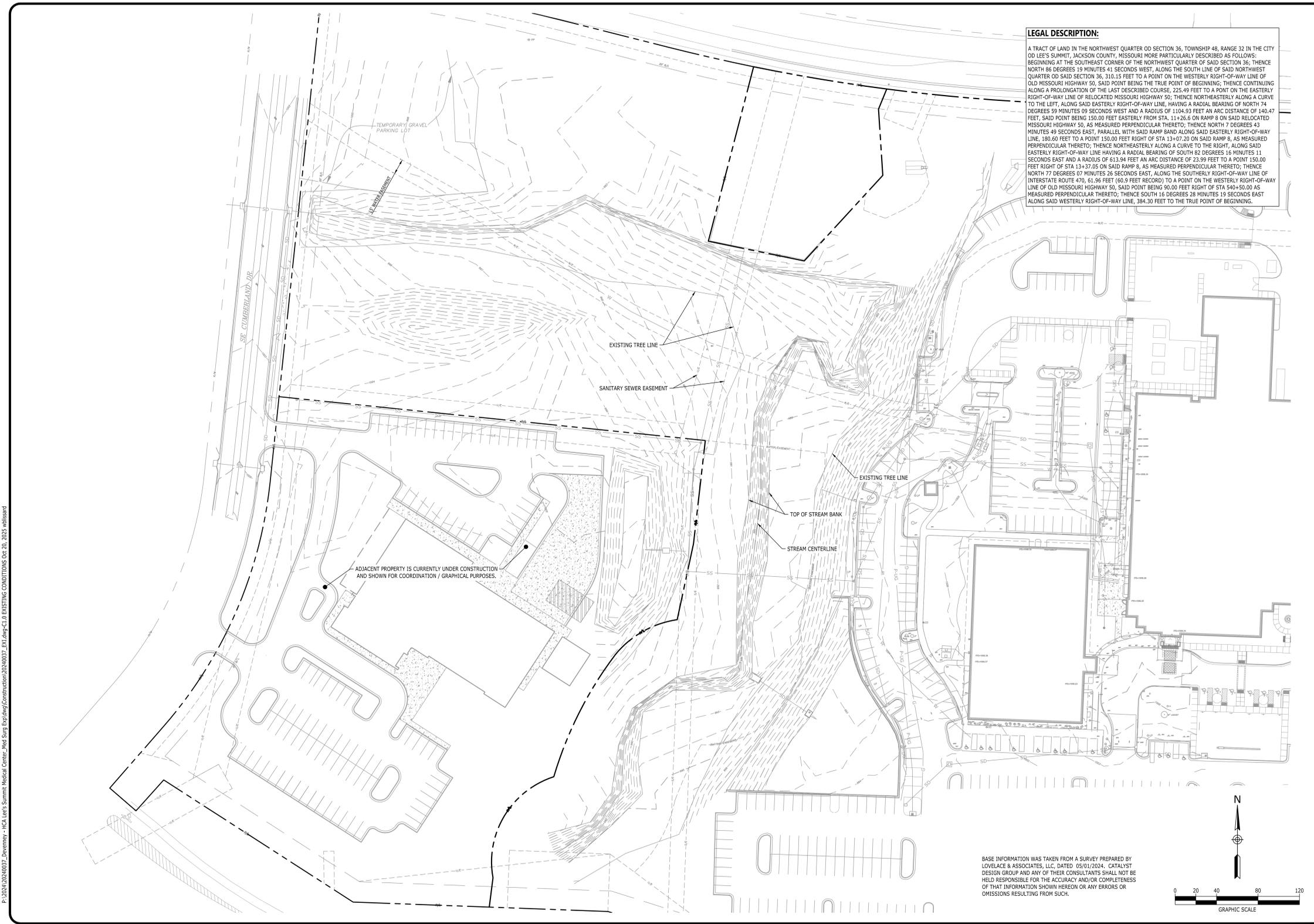
AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:40
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

EXISTING
CONDITIONS

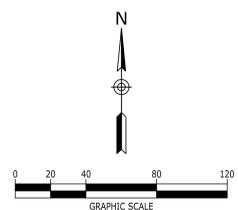
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BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY LOVELACE & ASSOCIATES, LLC, DATED 05/01/2024. CATALYST DESIGN GROUP AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.



Catalyst
DESIGN GROUP

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(615) 622-7200 | WWW.CATALYST-DG.COM

**LEE'S SUMMIT
MEDICAL CENTER**
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063
816-282-5000

CONSTRUCTION DOCUMENTS
**HCA LEE'S SUMMIT
MEDICAL CENTER**
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
1	10/21/2025	ASI-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
3	2025/07/06	DESIGN COORDINATION
4	2025/02/05	CITY - 2ND REVIEW

DRAWING TITLE
**EXISTING
CONDITIONS**

PROJECT NUMBER
20240037

DRAWING NUMBER
C1.0

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Development Services Department
Lee's Summit, Missouri

02/18/2026



Devenney Group Ltd., Architects

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Scottsdale, AZ 85251

T: 602.943.8950

www.devenneygroup.com

Consultant:



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INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
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816-282-5000

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4	2025/02/06	CITY - 2ND REVIEW

DRAWING TITLE
GENERAL NOTES
PROJECT NUMBER
20240037
DRAWING NUMBER
C2.0

DATE: 2025/07/25
SCALE:
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

GENERAL NOTES

C2.0

PROJECT NOTES

- SUBJECT PROPERTY SHOWN ON TAX MAP 60, AS PARCEL 64-02-99-15-00-0-00-000 OF THE JACKSON COUNTY COUNTY, MO, TAX MAPS.
- SITE EXISTING CONDITIONS ARE TAKEN FROM SURVEY BY LOVELAKE & ASSOCIATES, LLC DATED 05/01/2024. CATALYST DESIGN GROUP SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR OMISSIONS FROM THE EXISTING CONDITIONS OR ERRORS RESULTING THEREFROM.
- CATALYST DESIGN GROUP RECOMMENDS THAT CONSTRUCTION STAKING BE PROVIDED BY A SURVEYOR LICENSED IN THE STATE OF THE PROJECT.
- THE CONTRACTOR SHALL REVIEW THE SITE CONDITIONS PRIOR TO CONSTRUCTION AND MAKE THE ENGINEER AWARE OF ANY INCONSISTENCIES BETWEEN THE SITE CONDITIONS AND EXISTING CONDITIONS PLAN.
- DIMENSIONS PROVIDED ON THE PLAN ARE TAKEN TO THE FACE OF CURBS, EDGE OF CONCRETE OR EDGE OF BUILDING, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL ADHERE TO PERMIT REQUIREMENTS AS WORK PROCEEDS.
- SITE CONTROL SHALL BE BASED OFF THE REFERENCE POINTS PROVIDED. SEE THE ARCHITECTURAL PLANS FOR LAYOUT CONTROL OF BUILDING ADDITIONS.
- THE CONTRACTOR SHALL SUBMIT A REQUEST FOR UTILITY LOCATION (CALL 811) AND HAVE THE UTILITIES MARKED BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL BE FAMILIAR WITH THE UTILITY LOCATIONS, PROTECT UTILITIES WHICH REMAIN IN SERVICE, AND REPAIR ANY DAMAGE TO UTILITY SYSTEMS PER THE UTILITY PROVIDER REQUIREMENTS.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO PUBLIC ROADWAYS, CURBS AND SIDEWALKS IN ACCORDANCE WITH THE LOCAL REQUIREMENTS AT CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR GOVERNING AGENCIES AT CONTRACTOR'S EXPENSE.
- IN EASEMENTS AND RIGHTS-OF-WAY, CONTRACTOR SHALL PROTECT AND RESTORE SAID PROPERTY TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING AT THE COMMENCEMENT OF CONSTRUCTION EXCEPT AS NOTED.
- ON SITE ASPHALT PAVEMENT MATERIALS SHALL BE PER LOCAL AUTHORITY SPECIFICATIONS, STATE SPECIFICATIONS, AND GEOTECHNICAL REPORT RECOMMENDATIONS.
- THE CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS AND PRECAUTIONS.
- UNLESS OTHERWISE NOTED, SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS FOR REVIEW. DESIGN DRAWINGS SHALL NOT BE REDUCED FOR USE AS SHOP DRAWINGS. THE ENGINEER'S REVIEW OF SHOP DRAWINGS, PROTECT DATA, ETC., DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH LOCAL/STATE SPECIFICATIONS. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN ENGINEER'S WRITTEN APPROVAL OF THE DEVIATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES AND/OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF MO, WHOSE SERVICES ARE ENGAGED AND PAID FOR BY THE CONTRACTOR.
- ALL SPECIFICATIONS, DOCUMENTS, AND DETAILS REFERENCED SHALL BE THE LATEST REVISION AS APPLICABLE AT THE TIME OF PERMIT APPROVAL.
- CONTRACTOR SHALL REPAIR ALL OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN AT THE START OF CONSTRUCTION.

DEMOLITION NOTES

- THE CONTRACTOR SHALL REQUEST UTILITY LOCATIONS (811) AND VERIFY LOCATIONS OF ALL OTHER PRIVATE UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE AND REPAIR IF DAMAGED PER PROVIDER REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL WORK AROUND EXISTING UTILITIES WITH CORRESPONDING PROVIDER.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO ACCOMPLISH THE PROPOSED WORK.
- THE CONTRACTOR SHALL PROTECT PROPERTY BOUNDARY PINS AND SURVEY CONTROL POINTS FROM DAMAGE.
- THE CONTRACTOR SHALL COMPLY WITH EROSION PREVENTION AND SEDIMENT CONTROL REQUIREMENTS AND INSTALL NECESSARY EROSION MEASURES AND CONSTRUCTION ENTRANCE/EXIT PRIOR TO DISTURBING EXISTING VEGETATION. THE CONTRACTOR SHALL ALSO AVOID WATER SPRINKLING OR OTHER MEASURES TO CONTROL DUST AND OTHER AIRBORNE DEBRIS RESULTING FROM DEMOLITION.
- TREE PROTECTION MEASURES SPECIFIED IN THESE PLANS SHALL BE INSTALLED PRIOR TO BEGINNING DEMOLITION OPERATIONS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR DEMOLITION AND TREE REMOVAL.
- THE CONTRACTOR MAY BE REQUIRED TO PHASE THE DEMOLITION TO MAINTAIN EXISTING UTILITY SERVICES, PROPER DRAINAGE OR ACCESS TO THE SITE OR ADJOINING SITES. THE CONTRACTOR SHALL MINIMIZE THE DISRUPTION OF EXISTING ACTIVE UTILITIES AND TRAFFIC PATTERNS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROVIDE A DEMOLITION PHASING SCHEDULE WHERE REQUESTED.
- UTILITY AND STORM SEWER LINES SHOULD NOT BE DEMOLISHED UNTIL NEW OR RELOCATED LINES HAVE BEEN INSTALLED AND ARE OPERATIONAL.
- THE CONTRACTOR SHALL INCLUDE IN THEIR COST ANY ISOLATION VALVES OR TEMPORARY MEASURES REQUIRED TO ACCOMPLISH RELOCATION AND DECOMMISSION OF UTILITIES.
- PAYMENTS, SIDEWALKS, CURBS AND OTHER HARD SURFACES SHALL BE EVENLY SAW CUT AT THE LIMITS OF REMOVAL TO PROVIDE A CLEAN EDGE. COORDINATE LIMITS OF REMOVAL WITH PROPOSED CONSTRUCTION INCLUDING GRADING, UTILITY INSTALLATION, PROPOSED LAYOUT, ETC.
- EXISTING SITE FEATURES NOTED AS BEING ABANDONED MAY BE ABANDONED IN PLACE IF THE ITEMS ARE LOCATED MORE THAN 24" BELOW FINAL SUBGRADE (TO TOP OF PIPE OR OTHER FEATURE) AND NOT LOCATED WITHIN PROPOSED BUILDING FOOTPRINTS. ENDS OF PIPES ABANDONED SHALL BE SEALED WITH CONCRETE.
- ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S COST UNLESS NOTED TO BE PROVIDED TO THE OWNER.
- CAVITIES LEFT BY DEMOLITION SHALL BE PROPERLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
- WHERE EXISTING IRRIGATION LINES ARE LOCATED WITHIN THE AREA OF CONSTRUCTION, THEY SHALL BE PROTECTED OR RE-ROUTED AND CONNECTED TO MAINTAIN OPERATION OF LANDSCAPE AREAS WHICH REMAIN DURING CONSTRUCTION. COORDINATE TEMPORARY MEASURES WITH DESIGN OF NEW SYSTEM AND REMOVE TEMPORARY MEASURES WHEN NO LONGER NEEDED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS FOR ALL ON-SITE AND OFF-SITE Dewatering REQUIREMENTS AND PERMIT THROUGH THE NECESSARY LOCAL AND STATE AGENCIES AS NEEDED.
- IF AN EXISTING WELL IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, CONTRACTOR TO INFORM ENGINEER AND ABANDON/REMOVE ANY EXISTING WELLS PER LOCAL/STATE STANDARDS AND SPECIFICATIONS.

ADA ACCESSIBILITY NOTES

- CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY ARE TO BE CONSTRUCTED BASED ON LOCAL AUTHORITY'S STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS. WHERE THERE ARE NO LOCAL STANDARDS, THE CONTRACTOR SHALL CONSTRUCT CURB RAMPS ACCORDING TO THE CURRENT VERSION OF THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), PUBLISHED BY THE UNITED STATES ACCESS BOARD.
- PRIVATE CURB RAMPS ON THE SITE OUTSIDE OF THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS AND/OR FAIR HOUSING ACT (FHA), WHERE APPLICABLE.
- BEFORE PLACING PAVEMENT OR SIDEWALKS, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA AND FHA) EXIST TO AND FROM ACCESSIBLE DOORS, ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. MAXIMUM GRADES WITHIN ACCESSIBLE PARKING AND ACCESS AISLES SHALL BE 2% IN ANY DIRECTION. WITHIN ACCESSIBLE PATHS MAXIMUM SLOPES FOR SIDEWALKS SHALL BE LONGITUDINALLY MAXIMUM 5%, FOR RAMPS SHALL BE LONGITUDINALLY MAXIMUM 8.33% (1:12), AND CROSS SLOPES SHALL BE MAXIMUM 2%. TURNING MOVEMENTS SHALL BE 5% MAXIMUM 2% IN ANY DIRECTION.
- CURB RAMPS SHALL HAVE A LANDING AT THE TOP MATCHING THE WIDTH OF THE RAMP AND A MINIMUM DEPTH OF 48". RAMPS SHALL HAVE A 3' x 3' LANDING AT THE TOP AND BOTTOM OF THE RAMP. ALL CURB/ACCESSIBLE RAMP DESIGNS SHALL CONFORM TO ACCESSIBLE STANDARDS OR LOCAL BUILDING CODE STANDARDS, WHICHEVER IS MORE RESTRICTIVE.
- CONTRACTOR TO FIELD VERIFY SLOPE MEASUREMENTS ON FINISHED GRADE, SUBGRADE, AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY CONFORMANCE TO ADA SLOPES. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAYING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED, NO CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.
- WHERE CONSTRUCTION IS TAKING PLACE WITHIN AN EXISTING DEVELOPMENT OR FACILITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AN ACCESSIBLE PATH PER ADA STANDARD SPECIFICATIONS THROUGHOUT THE CONSTRUCTION PROCESS AS NEEDED.

TREE PROTECTION NOTES

- INSTALL TREE PROTECTION PRIOR TO DEMOLITION OR EARTH MOVING OPERATIONS ON SITE IN ACCORDANCE WITH THE DETAILS AND NOTES PROVIDED IN THESE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL STAKE THE LIMITS OF CONSTRUCTION TO ENSURE THE TREE PROTECTION MEASURES ARE INSTALLED IN THE PROPER LOCATIONS.
- THE TREE PROTECTION MEASURES SHALL CONSIST OF 48" TALL CHAIN LINK FENCE WITH STEEL TEE POSTS OR ORANGE CONSTRUCTION BARRICADE FENCE. PRIOR TO CONSTRUCTION OPERATIONS, TREE PROTECTION FENCE INSTALLATION SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE AND GOVERNING AUTHORITY IF REQUIRED.
- ANY GRADING OR EXCAVATION WITHIN THE PROTECTED ROOT ZONE SHALL BE ACCOMPLISHED BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE DAMAGE.
- ROOTS EXPOSED DURING CONSTRUCTION OPERATIONS SHALL BE PRUNED FLUSH WITH THE GROUND AND COVERED WITH BACKFILL AS SOON AS POSSIBLE. IF CONSTRUCTION OPERATIONS WILL DELAY THE PLACEMENT OF BACKFILL THE ROOTS SHALL BE TEMPORARILY COVERED WITH MULCH AND WATERED UNTIL BACKFILL OPERATIONS CAN BE ACCOMPLISHED.
- DO NOT STORE EQUIPMENT OR MATERIALS WITHIN THE DRIP LINE OF TREES TO BE PRESERVED.
- WHEN GRADING OR TRENCING OPERATIONS ARE DIRECTED WITHIN THE DRIP LINE OF A TREE TO BE PRESERVED, THE ROOTS SHALL FIRST BE CUT USING A "DITCH WITCH" OR SIMILAR EQUIPMENT TO PROVIDE A CLEAN CUT OF THE ROOTS AT THE LIMIT OF DISTURBANCE PRIOR TO USE OF OTHER GRADING MACHINERY. ONCE THE ROOTS HAVE BEEN CUT AS NOTED ALL EQUIPMENT SHALL BE RESTRICTED FROM ENTERING THE AREA BETWEEN THE CUT LINE AND TREE TRUNK. TRENCHES SHALL BE BACKFILLED AND TAMPED TO MINIMIZE SETTLEMENT.
- BARRICADES SHALL BE INSTALLED WITHIN THE LIMITS OF PROPOSED PAVEMENTS WHEN EXTENDING UNDER THE DRIP LINE OF TREES TO BE PRESERVED UNTIL OPERATIONS TO CONSTRUCT THE PAVED AREAS ARE INITIATED. THEN THE BARRICADES CAN BE RELOCATED TO PROVIDE THE MINIMUM AREA NECESSARY FOR CONSTRUCTION OF THE PROPOSED WORK AND SHALL REMAIN IN PLACE UNTIL ALL WORK IS COMPLETE.
- PROVIDE WATERING OF SPECIMEN TREES DURING CONSTRUCTION DURING PERIODS OF DROUGHT EXCEEDING SEVEN DAYS. EVENLY DISTRIBUTE WATER OVER THE ENTIRE ROOT ZONE.
- ROOT ZONE AREAS OF TREES THAT HAVE BEEN COMPACTED DUE TO CONSTRUCTION ACTIVITIES SHALL BE AERATED AT THE DIRECTION OF A QUALIFIED ARBORIST.
- HOSE DOWN FOLIAGE OF SPECIMEN TREES SUBJECT TO HEAVY ACCUMULATION OF DUST FROM CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE GRASS TO LESS THAN 12" IN HEIGHT WITHIN THE AREAS OF TREE PROTECTION DURING THE CONSTRUCTION PERIOD. DO NOT USE HERBICIDES TO CONTROL VEGETATION WITHIN THE TREE PROTECTION AREA.
- REMOVAL OF TREE PROTECTION FENCING SHALL NOT OCCUR UNTIL APPROVED BY THE GOVERNING AUTHORITY WHERE REQUIRED, OR THE OWNER'S REPRESENTATIVE. ALL REMNANTS OF THE FENCING SHALL BE REMOVED AND RESTORATION OF THE AREAS SHALL BE COMPLETED.

EROSION CONTROL NOTES

- EROSION PREVENTION AND SEDIMENT CONTROL (EPCS) MEASURES SHALL BE INSTALLED PER LOCAL AND STATE REQUIREMENTS PRIOR TO ANY EARTH MOVING ACTIVITIES.
- PROVIDE CONSTRUCTION ENTRANCE/EXIT AS DETAILED ON THE PLANS AND PER LOCAL REQUIREMENTS. MAINTAIN ENTRANCE/EXIT THROUGHOUT CONSTRUCTION AND MAINTAIN THE PUBLIC ROADWAY FREE OF TRACKED MUD AND DIRT. EPCS MEASURES SHALL BE INSTALLED AND INSPECTED BY LOCAL OFFICIALS (IF REQUIRED) PRIOR TO BEGINNING EARTH MOVING OPERATIONS. EPCS MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
- LOCATION OF DIVERSION DITCHES, SILT FENCE, AND OTHER MEASURES MAY BE SLIGHTLY ADJUSTED IN THE FIELD TO AVOID TREES AND OTHER EXISTING FEATURES.
- THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO THE REQUIREMENTS OUTLINED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPED FOR THE SITE, AS WELL AS LOCAL AND STATE REQUIREMENTS. THE CONTRACTOR SHALL ALSO PROVIDE THE CERTIFIED EROSION CONTROL INSPECTOR AND CONTINUAL MAINTENANCE OF THE EPCS MEASURES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, THEN ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- AS THE WORK PROGRESSES THE LOCATION AND TYPE OF MEASURES MAY REQUIRE ADJUSTMENTS. TEMPORARY MEASURES MAY BE REQUIRED IN CERTAIN AREAS THAT CAN BE REMOVED DURING THE WORK DAY AND RE-ESTABLISHED WHEN WORK CEASES FOR THE DAY OR PRIOR TO A DAYTIME RAIN EVENT.
- SEDIMENT SHALL BE REMOVED FROM EROSION PREVENTION AND SEDIMENT CONTROL MEASURES WHEN THE DESIGN CAPACITIES HAVE BEEN REDUCED BY 50% OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE OR GOVERNING AGENCY. PROPERLY DISPOSE OF ACCUMULATED SEDIMENT.
- THE CONTRACTOR SHALL PROVIDE A RAIN GAUGE AT THE SITE AND DOCUMENT RAINFALL EVENTS DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL MAINTAIN THE FOLLOWING RECORDS AT THE SITE: DATE WHEN MAJOR GRADING ACTIVITIES OCCUR, THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTIONS OF THE SITE, THE DATES WHEN STABILIZATION MEASURES ARE INITIATED, INSPECTION RECORDS, AND RAINFALL EVENTS.
- EXISTING SITE VEGETATION SHALL REMAIN IN PLACE AS LONG AS POSSIBLE AND SHALL NOT BE REMOVED MORE THAN 10 DAYS PRIOR TO THE DATE AT WHICH EARTH MOVING OPERATIONS ARE TO BEGIN UNLESS TEMPORARY COVER IS INSTALLED. DO NOT REMOVE VEGETATION OR TREES UNLESS NECESSARY FOR GRADING OR OTHER PROJECT PURPOSES.
- THE CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE THE LENGTH OF TIME THE SITE SOILS ARE EXPOSED TO EROSION. PROVIDE TEMPORARY COVER AS NECESSARY.
- EPCS MEASURES SHALL BE REMOVED ONCE PERMANENT VEGETATION IS ESTABLISHED AND WHEN DEEMED NO LONGER NEEDED BY THE OWNER'S REPRESENTATIVE OR GOVERNING AGENCY.

AS-BUILT REQUIREMENTS

- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED SURVEYOR IN THE STATE OF MO TO PROVIDE AS-BUILT SURVEY DATA FOR PUBLIC UTILITIES AND PUBLIC/PRIVATE STORMWATER MANAGEMENT INFRASTRUCTURE.
- AS-BUILT SURVEYS SHOULD AT A MINIMUM PROVIDE THE FOLLOWING ITEMS:
 - SPOT ELEVATIONS OF THE EXCAVATED BIORETENTION AND/OR PERMEABLE PAVEMENT SUBGRADE PRIOR TO BACKFILLING WITH THE SPECIALTY SOIL AND GRAVEL LAYERS.
 - SPOT ELEVATIONS OF SUBGRADE FOR UNDERGROUND DETENTION SYSTEMS.
 - SPOT ELEVATIONS AND CONTOUR ELEVATIONS NOT TO EXCEED 1" MAX. INTERVAL FOR ALL PERMANENT STORMWATER QUALITY AREAS, DETENTION PONDS, AND ASSOCIATED EMBANKMENTS TO ENSURE PROPER SIZING OF THESE FEATURES.
 - SIZE, MATERIAL, ELEVATION INFORMATION FOR ALL STORMWATER PIPES AND STRUCTURES WITHIN THE PUBLIC RIGHT OF WAY.
 - SIZE, MATERIAL, ELEVATION INFORMATION FOR ALL PRIVATE STORMWATER QUALITY FEATURES, DETENTION STRUCTURES AND INFRASTRUCTURE DOWNSTREAM OF THESE FEATURES.
 - DETAILED INFORMATION FOR ALL OUTLET CONTROL STRUCTURES, WITHIN DETENTION PONDS WATER, QUALITY FEATURES, OR UNDERGROUND DETENTION SYSTEMS, INCLUDING ELEVATION AND SIZE INFORMATION FOR ORIFICES, PERFORATED RISERS, WEIRS, TOP OF CASTING, AND INVERTS ASSOCIATED WITH THE STRUCTURE.
 - ALL OTHER AS-BUILT INFORMATION REQUIRED BY THE JURISDICTIONAL AUTHORITY OR NOTED ELSEWHERE IN THE PLANS.
- THE CONTRACTOR SHALL REVIEW LOCAL AUTHORITY'S AS-BUILT REQUIREMENTS AND/OR CONTACT ENGINEER TO CONFIRM AS-BUILT INFORMATION. PHOTOGRAPHIC EVIDENCE OF PROPER INSTALLATION OF STORMWATER MANAGEMENT AND WATER QUALITY INFRASTRUCTURE AND VIDEO INSPECTIONS OF STORMWATER PIPES MAY BE REQUIRED. THE CONTRACTOR SHALL CAPTURE AND RETAIN PHOTOGRAPHIC DOCUMENTATION OF KEY INSTALLATION MILESTONES AS NEEDED. FAILURE TO PROVIDE NECESSARY PHOTOGRAPHIC DOCUMENTATION PRIOR TO BACKFILLING MAY CAUSE DELAYS AND MAY REQUIRE SITE INVESTIGATION THAT COULD INCLUDE RE-EXCAVATION OF COMPLETED INFRASTRUCTURE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO RETAIN AND PROVIDE RECEIPTS FOR ANY FABRICATED STORMWATER MANAGEMENT INFRASTRUCTURE SUCH AS PROPRIETARY WATER QUALITY UNITS, UNDERGROUND DETENTION STRUCTURES, PERMEABLE PAVERS, OR SPECIALTY SOIL MEDIA (WITH APPLICABLE TESTING IF REQUIRED).

SITE GRADING NOTES

- THE DISTURBED AREA FOR THIS PROJECT IS ESTIMATED TO BE ±2.15 ACRES.
- THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 29055C04395 OF THE FEMA FLOOD INSURANCE MAPS FOR JACKSON COUNTY COUNTY, MO, DATED 01/20/2017.
- FOLLOW THE DIRECTIVES OF THE EROSION CONTROL AND TREE PROTECTION NOTES INCLUDED ELSEWHERE IN THESE DOCUMENTS.
- THE GEOTECHNICAL REPORT, PREPARED BY OTHERS, IS INCORPORATED BY REFERENCE AND MADE A PART OF THE CONTRACT DOCUMENTS. IT IS INTENDED THAT THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT BE FOLLOWED. IN THE EVENT OF CONFLICTS BETWEEN THE CONSTRUCTION DRAWINGS AND THE GEOTECHNICAL REPORT, MAKE NO ASSUMPTIONS. THE ENGINEER SHALL BE IMMEDIATELY BE NOTIFIED FOR CLARIFICATION.
- THE CONTRACTOR SHALL REQUEST UTILITY LOCATIONS (811) AND VERIFY LOCATIONS OF ALL OTHER PRIVATE UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE AND REPAIR IF DAMAGED PER PROVIDER REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL WORK AROUND EXISTING UTILITIES WITH CORRESPONDING PROVIDER.
- THE CONTRACTOR SHALL CONFIRM EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION AND CONTACT THE ENGINEER WITH ANY DISCREPANCIES.
- THE CONTRACTOR SHALL OBTAIN ALL APPROVALS AND PERMITS PRIOR TO INITIATING GRADING OPERATIONS.
- POSITIVE DRAINAGE SHALL BE ESTABLISHED INITIALLY AND MAINTAINED THROUGHOUT CONSTRUCTION.
- PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE THE FINISH GRADE ELEVATIONS. CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION FROM THE ENGINEER WHERE INTENT IN THE PROPOSED GRADE IS UNCLEAR.
- STRIP TOPSOIL FROM PROPOSED GRADING AREAS AND STOCKPILE FOR REUSE. PROVIDE TEMPORARY SEEDING FOR STOCKPILE AREAS DURING CONSTRUCTION. REDISTRIBUTE TOPSOIL AT A MINIMUM DEPTH OF 6" IN LAWN AREAS AND 18" IN LANDSCAPE BEDS. PROVIDE ADDITIONAL TOPSOIL WHEN ONSITE QUANTITIES ARE INSUFFICIENT.
- CONTRACTOR WILL PROCURE THE SERVICES OF A QUALIFIED SOILS TESTING LABORATORY/ ENGINEER TO OBSERVE WORK AND MAKE TESTS AS REQUIRED.
- CONTRACTOR SHOULD COMPLETE GRADING ACTIVITIES WITHIN 10 CALENDAR DAYS OF ACHIEVING OPTIMUM SUBGRADE COMPACTION.
- FILL AREAS SHALL BE PROOF-ROLLED WITH RUBBER-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATIONS OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS, AND AREAS OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY GEOTECHNICAL ENGINEER, AND REPLACE WITH COMPACTED BACKFILL OR FILL AS DIRECTED. COMPACTION OF BACKFILL MATERIALS SHALL BE TO 98% MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR), UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL REPORT.
- CUT AREAS SHALL BE PROOF-ROLLED AFTER FINAL SUBGRADE IS ACHIEVED IN THE SAME MANNER AS FILL AREAS. THE CONTRACTOR SHALL EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS, AND AREAS OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY GEOTECHNICAL ENGINEER, AND REPLACE WITH COMPACTED BACKFILL OR FILL AS DIRECTED. COMPACTION OF BACKFILL MATERIALS SHALL BE TO 98% MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR), UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL REPORT.
- APPLICABLE SPECIFICATIONS FOR COMPACTED FILL: THE FOLLOWING CURRENT AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) STANDARDS ARE HEREBY MADE PART OF THIS SPECIFICATION:
 - C136/136M STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES
 - D421-58 DRY PREPARATION OF SOIL SAMPLES FOR GRAIN-SIZE ANALYSIS AND DETERMINATION OF SOIL CONSTANTS.
 - D422-63 STANDARD METHOD OF PARTICLE SIZE ANALYSIS OF SOILS.
 - D1150-54 METHOD OF TEST FOR AMOUNT OF MATERIAL IN SOILS FINER THAN NO. 200 SIEVE.
 - D698 METHOD FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING STANDARD EFFORT
 - D1557-78 STANDARD TEST METHODS FOR MOISTURE-DENSITY RELATIONS OF SOILS AND SOIL AGGREGATE MIXTURES USING 10LB. (4.54-KG) RAMMER AND 18-INCH (457 MM) DROP.
 - D2487 STANDARD PRACTICE FOR CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES
 - D4318 STANDARD TEST METHODS FOR LIQUID LIMIT, PLASTIC LIMIT, AND PLASTICITY INDEX OF SOILS
 - D6938 STANDARD TEST METHODS FOR IN-PLACE DENSITY AND WATER CONTENT OF SOIL AND SOIL-AGGREGATE BY NUCLEAR METHODS
- CONTRACTOR SHALL REVIEW THE SITE SPECIFIC GEOTECHNICAL REPORT PRIOR TO COMMENCING WITH GRADING OPERATIONS. WHERE CONFLICTS BETWEEN THE GRADING NOTES AND GEOTECHNICAL REPORT EXISTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR CLARIFICATION.
- THE CONTRACTOR SHALL REVIEW THE PROPOSED GRADING PLAN AND SPOT ELEVATIONS AND REQUEST INFORMATION FROM THE ENGINEER FOR SPOTS OR CONTOURS THAT DO NOT APPEAR TO CORRESPOND WITH OTHER SURROUNDING GRADING. PROPOSED GRADES REFLECT AN INTENT FOR THE SLOPES AND DIRECTION OF DRAINAGE. THE CONTRACTOR SHALL REQUEST DIRECTION FOR AREAS WHERE THE INTENT IS NOT CLEAR.
- THE CONTRACTOR SHALL CONFIRM EXISTING GRADES GENERALLY REFLECT THE SURVEY DATA USED IN PREPARING THESE PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING SITE WORK.
- WHERE BUILDINGS (EXISTING OR PROPOSED) OR OTHER SITE ELEMENTS CLOSELY ADJUT THE RIGHT-OF-WAY OR ACCESSIBLE PATH, THE CONTRACTOR SHALL CONFIRM STREET, CURB, AND SIDEWALK GRADES IN THESE AREAS ARE CONSISTENT WITH THE EXPECTED ELEVATIONS & HORIZONTAL LOCATIONS WITHIN THE PLANS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- WHERE PROPOSED NEW CURB AND SIDEWALK ARE ALONG EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL CONFIRM CENTERLINE AND EDGE OF PAVEMENT ELEVATIONS, AND PLACE NEW CURB SUCH THAT PROPER CROSS SLOPES ARE ACHIEVED PER THE GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PROPOSED DESIGN ELEVATIONS AND FIELD CONDITIONS.
- MAXIMUM CUT AND FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL UNLESS DIRECTLY NOTED OTHERWISE ON THE PLAN. FILL SLOPES SHALL BE CONSTRUCTED BY FILLING BEYOND THE DESIRED GRADES TO OBTAIN COMPACTION AND THEN CUT BACK TO THE DESIRED GRADES. WHERE GRADES ARE 3:1 AND STEEPER CONTRACTOR TO PROVIDE SLOPE STABILIZATION UTILIZING NORTH AMERICAN GREEN, SC-250 OR APPROVED EQUAL. IN AREAS THAT ARE NOTED TO PROVIDE STABILIZATION WHERE SLOPES ARE LESS THAN 3:1 CONTRACTOR TO USE NORTH AMERICAN GREEN SC-150 OR APPROVED EQUAL.
- MINIMUM GRADES SHALL BE 1% IN PAVEMENT AREAS, AND A MINIMUM OF 2% IN LAWN AREAS UNLESS DIRECTLY SPECIFIED IN THE PLANS.
- THE CONTRACTOR SHALL TAKE CARE TO PROPERLY COMPACT FILL WITHIN UTILITY TRENCHES AND AROUND OTHER PROJECT FEATURES TO AVOID SETTLEMENT. SETTLEMENT OCCURRING WITHIN 12 MONTHS OF COMPLETION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- UNLESS SPECIFICALLY NOTED OTHERWISE WITHIN THE PLANS, ALL PROPOSED GRADES SHALL TIE INTO EXISTING GRADES AT THE PROJECT PROPERTY BOUNDARY. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF IT APPEARS THERE IS A CONFLICTING FIELD CONDITIONS THAT WOULD NOT ALLOW GRADING AS DESIGNED.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS AFTER FINAL GRADING IS ACHIEVED.

STORM SEWER NOTES

- ALL STORMWATER PIPES, STRUCTURES, AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL AND STATE STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL FOLLOW CONSTRUCTION PLANS AND MANUFACTURER DETAILS, SPECIFICATIONS, AND INSTALLATION INSTRUCTIONS AS INCLUDED WITHIN THE PLANS AND PROVIDED BY THE MANUFACTURER FOR THE INSTALLATION OF PIPES, STRUCTURES, WATER QUALITY UNITS AND FABRICATED DETENTION SYSTEMS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STORM SEWER PIPE, STRUCTURES, WATER QUALITY STRUCTURES, AND FABRICATED DETENTION STRUCTURES FOR ENGINEER AND OWNER APPROVAL PRIOR TO ORDERING MATERIALS.
- PIPE SPECIFICATIONS:
 - REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III, WALL TYPE 'B' CONFORMING TO ASTM C76 UNLESS OTHERWISE NOTED WITH BELL-AND-SPIGOT AND GASKETED JOINTS WITH ASTM C443 RUBBER GASKETS OR MASTIC SEAL CONFORMING TO ASTM C990. RCP SHALL BE INSTALLED PER THE RECOMMENDATIONS OF ASTM C1479.
 - CLASS IV RCP PIPE IS REQUIRED FOR FILL HEIGHTS OVER 13' OR WHERE NOTED BY THE ENGINEER.
 - HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL BE DUAL-WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. HDPE PIPE SHALL CONFORM TO ASTM D3350 WITH RUBBER GASKET SOIL TIGHT JOINTS CONFORMING TO ASTM F477. THERMOPLASTIC PIPING SHALL BE INSTALLED PER THE RECOMMENDATIONS OF ASTM C2321.
 - HIGH-PERFORMANCE POLYPROPYLENE (HP) PIPE SHALL BE DUAL-WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR, CONFORMING TO ASTM F2981 AND ASHSTO M333 WITH GASKETED SOIL TIGHT JOINTS CONFORMING TO ASTM F477. THERMOPLASTIC PIPING SHALL BE INSTALLED PER THE RECOMMENDATIONS OF ASTM C2321.
 - ALL PIPES SHALL BE INSTALLED, AT A MINIMUM, WITH SOIL TIGHT JOINTS AND BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND ASHSTO SECTION 30.
 - PIPE BEDDING, BACKFILL, AND COMPACTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH LOCAL AND STATE DEPARTMENT OF TRANSPORTATION DETAILS AND SPECIFICATIONS.
 - PIPES UNDER EXISTING PAVEMENT AREAS SHALL BE COMPLETELY BACKFILLED WITH CRUSHED STONE OR PER LOCAL AUTHORITY STANDARD REQUIREMENTS. PAVEMENT SECTIONS SHALL MEET OR EXCEED EXISTING CONDITIONS WITH A SMOOTH TRANSITION.
- STORM STRUCTURE SPECIFICATIONS:
 - STORM INLETS AND MANHOLES SHALL BE PRECAST IN COMPLIANCE WITH THE LOCAL/STATE JURISDICTIONAL AUTHORITY'S STANDARD DETAILS AND SPECIFICATIONS, AND MEET OR EXCEED SPECIFICATIONS OF ASTM C478/C913. STRUCTURES SHALL BE TRAFFIC RATED PER H-20 LOADING REQUIREMENTS.
 - REFER TO STRUCTURE TABLE FOR CASTING FRAME AND GRATE TYPES. FRAMES AND GRATES TO BE PROVIDED IN ACCORDANCE WITH THE LOCAL/STATE JURISDICTIONAL AUTHORITY'S STANDARD DETAILS AND SPECIFICATIONS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - PIPE CONNECTIONS TO STRUCTURES:
 - FLEXIBLE, WATER TIGHT GASKETS SHALL COMPLY WITH ASTM C933
 - NON-SHRINK GROUT PER ASTM C1107
 - FRAMES AND GRATES:
 - MATERIAL: GRAY IRON CLASS 35 PER ASTM A48 UNLESS OTHERWISE INDICATED.
 - REFER TO PIPE AND STRUCTURE TABLE FOR CASTING TYPES. INSTALL REDUCERS AS NECESSARY PER MANUFACTURER'S SPECIFICATIONS TO ACCOMMODATE LARGER PIPE DIAMETERS OR CASTING SIZES.
 - TOP OF GRATE ELEVATIONS FOR DRAINAGE STRUCTURES SHALL BE PROVIDED PER THE DETAILS AND STRUCTURE TABLE.
 - CONTRACTOR SHALL PLACE STRUCTURES BASED ON THE ACTUAL DIMENSIONS OF ORDERED STRUCTURE/GRATE TO ALIGN WITH PROPOSED OR EXISTING CURB LINE. STRUCTURES SHOULD NOT BE INSTALLED BASED SOLELY ON STRUCTURE CENTERLINES.
 - COORDINATE THE LOCATION OF SITE DRAINAGE SYSTEMS WITH THE BUILDING ARCHITECTURE AND PLUMBING PLANS FOR COLLECTION OF ROOF DRAINS AND DOWNSPOUTS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 - ADJUST THE CASTINGS OF ALL EXISTING AND NEW STRUCTURES TO MATCH PROPOSED FINISH GRADE ENSURING POSITIVE DRAINAGE IS STILL MAINTAINED. SLOPE THE TOPS OF CASTINGS TO MATCH SLOPES OF PROPOSED PAVEMENTS AND SIDEWALKS.

SITE UTILITY NOTES

- THE CONTRACTOR SHALL REQUEST UTILITY LOCATIONS (811) AND VERIFY LOCATIONS OF ALL OTHER PRIVATE UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE AND REPAIR IF DAMAGED PER PROVIDER REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL WORK AROUND EXISTING UTILITIES WITH CORRESPONDING PROVIDER.
- THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS OF EACH UTILITY AND VERIFY THE SCOPE OF INSTALLATIONS OR RELOCATIONS THAT WILL BE REQUIRED. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL PUBLIC WATER AND SEWER MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE TO THE GOVERNING AUTHORITY'S REQUIREMENTS AND SPECIFICATIONS. IF THE GOVERNING AUTHORITY DOES NOT HAVE MATERIAL RECOMMENDATIONS FOR PRIVATE UTILITIES, THEN THE CONTRACTOR SHALL PROVIDE PRIVATE MATERIALS IN ACCORDANCE WITH PUBLIC STANDARDS. OTHERWISE, THE FOLLOWING MINIMUM STANDARDS SHALL BE MET:
 - PRIVATE GRAVITY SANITARY SEWER APPLICATIONS:
 - POLYVINYL CHLORIDE PIPE (PVC) 4" AND GREATER SHALL BE SDR 35, PER ASTM D3034 OR ASTM F479
 - JOINTS: ELASTOMERIC GASKETED, BELL AND SPIGOT, PUSH-ON TYPE PROVIDING A WATER TIGHT SEAL PER ASTM D3212.
 - DUCTILE IRON PIPE (DIP) SHALL BE PRESSURE CLASS 350 COMPLYING WITH LATEST VERSION OF AWWA C150/C151
 - JOINTS AND FITTINGS: MECHANICAL, PUSH-ON JOINTS, OR FLANGED JOINTS CONFORMING TO AWWA STANDARD C110/C111/C113.
 - LINER AND COATINGS: INTERIOR LINER 40 MIL DRY FILM, PERMA SHIELD 431 FL OR APPROVED EQUAL AND ASPHALTIC EXTERIOR COATINGS CONFORMING TO AWWA C151 FOR ALL PIPES, JOINTS, AND FITTINGS.
 - PRIVATE POTABLE WATER APPLICATIONS:
 - POLYVINYL CHLORIDE PIPE (PVC) LESS THAN 4" SHALL BE SCHEDULE 40 PVC PIPE PER ASTM D1785
 - JOINTS AND FITTINGS: SOLVENT CEMENTED JOINTS PER ASTM D2672. PVC FITTINGS PER ASTM D2466
 - POLYVINYL CHLORIDE PIPE (PVC) 4" AND GREATER SHALL BE AWWA C900, DR-18
 - JOINTS AND FITTINGS: RESTRAINED GASKETED JOINTS PER ASTM F477 AND ASTM D3339. DIP FITTINGS WITH RESTRAINED JOINTS CONFORMING TO AWWA STANDARD C110/C111/C113 ARE TO BE USED.
 - LINING & COATING: INTERIOR CEMENT MORTAR LINING CONFORMING TO AWWA C104 REQUIREMENTS AND ASPHALTIC EXTERIOR COATINGS CONFORMING TO AWWA C151 FOR ALL PIPES, JOINTS, AND FITTINGS.
 - DUCTILE IRON PIPE (DIP) 16" AND BELOW SHALL BE PRESSURE CLASS 350 COMPLYING WITH LATEST VERSION OF AWWA C150/C151.
 - JOINTS AND FITTINGS: MECHANICAL OR PUSH-ON JOINTS OR FLANGED JOINTS CONFORMING TO AWWA STANDARD C110/C111/C113/C115.
 - LINING & COATING: INTERIOR CEMENT MORTAR LINING CONFORMING TO AWWA C104 AND ASPHALTIC EXTERIOR COATINGS CONFORMING TO AWWA C151 FOR ALL PIPES, JOINTS, AND FITTINGS.
 - COPPER PIPE (CU) SHALL BE TYPE 'K' ANNEALED PER ASTM B88.
 - JOINTS AND FITTINGS PER AWWA C800.
 - MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND WATER LINES WHERE POSSIBLE. IN AREAS WHERE THESE CRITERIA CANNOT BE MET, PROVIDE 18" OF VERTICAL SEPARATION, UNLESS OTHERWISE NOTED WITHIN THE PLANS.
 - CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF THE PROPOSED SEWER CONNECTION POINT PRIOR TO INSTALLATION OF NEW LINES. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE UTILIZING THE CORING AND RESILIENT SEAL METHOD IF NOT OTHERWISE NOTED PER LOCAL REGULATIONS.
 - THE CONTRACTOR SHALL VERIFY ANY PIPE LENGTHS, MATERIALS AND SIZES PROVIDED ON THE PLANS WITH FIELD CONDITIONS AND COORDINATE THE EXACT LOCATION OF THE BUILDING SERVICES WITH THE PLUMBING PLANS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 - MINIMUM SLOPE OF 6" SANITARY SEWER SERVICES SHALL BE 1%. INSTALL PER INVERTS PROVIDED ON THE PLAN AND WITH A MINIMUM 48" OF COVER WITHIN ROADWAYS AND 30" OF COVER WITHIN LANDSCAPE AREAS.
 - MARK THE LOCATION OF PVC LINES WITH A #8 WIRE.
 - PROVIDE A MINIMUM OF 36" OF COVER OVER ALL WATER AND FIRE LINES.
 - ALL FIRE LINES SHALL BE INSTALLED FROM THE POINT OF CONNECTION TO THE BUILDING BY A SPRINKLER CONTRACTOR LICENSED IN THE STATE OF MO.
 - PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL BENDS AND BLOCKING/RODDING ON WATER/FIRE LINES TO ACHIEVE THE PROPOSED ALIGNMENT SHOWN ON THE PLANS.
 - BEFORE CONNECTIONS ARE MADE TO EXISTING LINES, INSTALLED LINES SHALL BE FLUSHED, TESTED, AND APPROVED BY THE GOVERNING AUTHORITY IN ACCORDANCE WITH THEIR REQUIREMENTS.</

RELEASED FOR CONSTRUCTION
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Development Services Department
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3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:50
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

INITIAL EROSION CONTROL PLAN

C3.0

EROSION CONTROL KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
EC1	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.2
EC2	SILT FENCE	3 / C3.2
EC3	INLET PROTECTION	4 / C3.2
EC4	TREE PROTECTION	2 / C3.2
EC7	RIPRAP OUTLET PROTECTION	2 / C3.3
EC8	EROSION EEL	1 / C3.3
EC9	TURF REINFORCEMENT MATTING	4 / C3.3
EC10	CONCRETE WASH-OUT	3 / C3.3

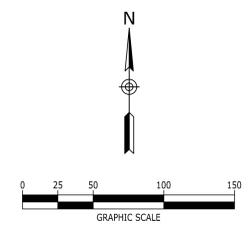
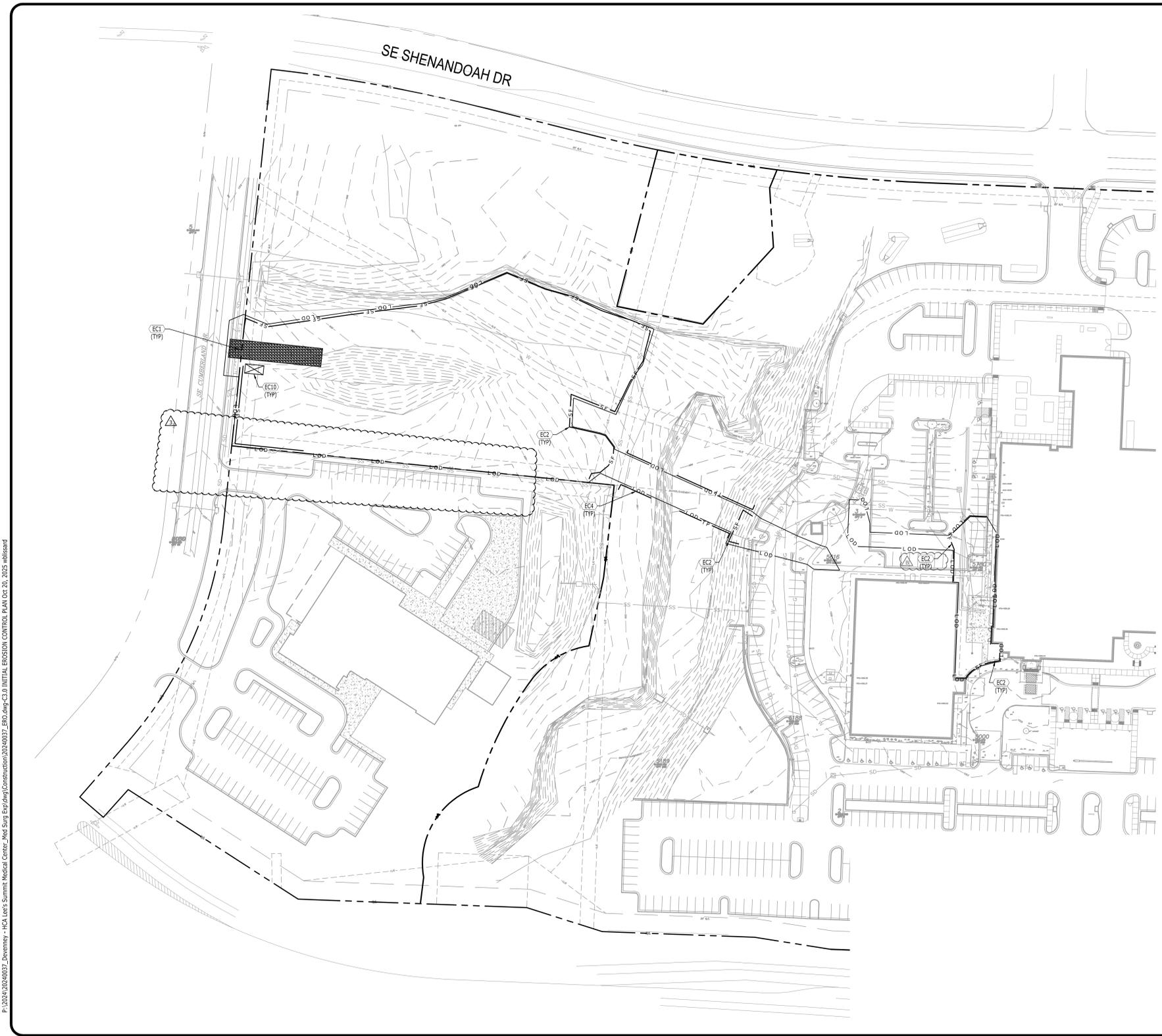
SITE DESCRIPTION AND NOTES:

THE SITE IS LOCATED ON TAX MAP 60, PARCEL 60-420-99-15-00-0-00-000 IN LEE'S SUMMIT, JACKSON COUNTY, MO. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 2.15+ ACRES TO CONSTRUCT A REMOTE PARKING, PEDESTRIAN BRIDGE, AND DIETARY EXPANSION.

- APPROXIMATE CONSTRUCTION TIME TABLE:
BEGIN CONSTRUCTION - FEB 2025
COMPLETE CONSTRUCTION - MAY 2026
- CONSTRUCTION SEQUENCE:
A. ATTEND WATER QUALITY DIVISION PRE-CONSTRUCTION MEETING.
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D. CLEAR AND GRUB THE REMAINING SITE.
E. CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.
F. UPON PERMANENT SITE STABILIZATION SEED AND STRAW.
G. REMOVE ALL OTHER EROSION TEMPORARY CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.
- TOTAL PROJECT AREA = 1,066,349 SF (24.48+ AC.)
DISTURBED AREA = 93,929 S.F. (2.15+ AC.)

EROSION CONTROL NOTES:

- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDING AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
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DRAWING TITLE
INITIAL EROSION CONTROL PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
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FINAL EROSION CONTROL PLAN

C3.1

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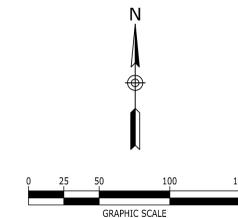
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DRAWING TITLE
FINAL EROSION CONTROL PLAN
PROJECT NUMBER
20240037
DRAWING NUMBER
C3.1

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SEDIMENT AND EROSION CONTROL DETAILS

C3.2

SCHEDULE OF INSPECTIONS AND MAINTENANCE NOTES

- INSPECTIONS DESCRIBED IN PARAGRAPHS 2, 3 AND 4 BELOW, SHALL BE PERFORMED AT LEAST TWICE EVERY CALENDAR WEEK. INSPECTIONS SHALL BE PERFORMED AT LEAST 72 HOURS APART. WHERE SITES OR PORTION(S) OF CONSTRUCTION SITES HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS (E.G., SITE COVERED WITH SNOW OR ICE) OR DUE TO EXTREME DROUGHT, SUCH INSPECTION ONLY HAS TO BE CONDUCTED ONCE PER MONTH UNTIL THAWING OR PRECIPITATION RESULTS IN RUNOFF OR CONSTRUCTION ACTIVITY RESUMES. INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS THAT HAVE BEEN FINALLY STABILIZED. WRITTEN NOTIFICATION OF THE INTENT TO CHANGE THE INSPECTION FREQUENCY AND THE JUSTIFICATION FOR SUCH REQUEST MUST BE SUBMITTED TO THE LOCAL ENVIRONMENTAL FIELD OFFICE. SHOULD TDEC DISCOVER THAT MONTHLY INSPECTIONS OF THE SITE ARE NOT APPROPRIATE DUE TO INSUFFICIENT STABILIZATION MEASURES OR OTHERWISE, TWICE WEEKLY INSPECTIONS SHALL RESUME. MODNR MAY INSPECT THE SITE TO CONFIRM OR DENY THE NOTIFICATION TO CONDUCT MONTHLY INSPECTIONS.
- QUALIFIED PERSONNEL (PROVIDED BY THE PERMITTEE OR COOPERATIVELY BY MULTIPLE PERMITTEES) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL.
- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE SITE'S DRAINAGE SYSTEM. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY.
- OUTFALL POINTS (WHERE DISCHARGES LEAVE THE SITE AND/OR ENTER WATERS OF THE STATE) SHALL BE INSPECTED TO DETERMINE WHETHER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKINGS.
- BASED ON THE RESULTS OF THE INSPECTION, ANY INADEQUATE CONTROL MEASURES OR CONTROL MEASURES IN DISREPAIR SHALL BE REPLACED OR MODIFIED, OR REPAIRED AS NECESSARY, BEFORE THE NEXT RAIN EVENT, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE NEED IS IDENTIFIED.
- BASED ON THE RESULTS OF THE INSPECTION, THE SITE DESCRIPTION AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THIS SWPPP SHALL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE SWPPP, BUT IN NO CASE LATER THAN 14 DAYS FOLLOWING THE INSPECTION.
- ALL INSPECTIONS SHALL BE DOCUMENTED ON THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT FOR ALL CONSTRUCTION SITES. INSPECTION DOCUMENTATION WILL BE MAINTAINED ON SITE AND MADE AVAILABLE TO TDEC UPON REQUEST. INSPECTION REPORTS MUST BE SUBMITTED TO TDEC WITHIN 30 DAYS OF THE REQUEST. IF MODNR REQUESTS THE CONSTRUCTION STORMWATER INSPECTION CERTIFICATION FORM TO BE SUBMITTED, THE SUBMITTED FORM MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE TRAINED CERTIFIED INSPECTOR AND THE PERSON WHO MEETS THE SIGNATORY REQUIREMENTS OF SECTION 7.7.2 OF THE NPDES GENERAL PERMIT.
- TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION DOCUMENTATION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES.
- SUBSEQUENT OPERATOR(S) (PRIMARY PERMITTEES) WHO HAVE OBTAINED COVERAGE UNDER THE NPDES GENERAL PERMIT SHOULD CONDUCT TWICE WEEKLY INSPECTIONS, UNLESS THEIR PORTION(S) OF THE SITE HAS BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO WINTER CONDITIONS OR DUE TO EXTREME DROUGHT AS STATED IN PARAGRAPH A) ABOVE. THE PRIMARY PERMITTEE (SUCH AS A DEVELOPER) IS NO LONGER REQUIRED TO CONDUCT INSPECTIONS OF PORTIONS OF THE SITE THAT ARE COVERED BY A SUBSEQUENT PRIMARY PERMITTEE (SUCH AS A HOME BUILDER).

SITE ASSESSMENT NOTES

- THE SITE ASSESSMENT SHALL BE PERFORMED BY INDIVIDUALS WITH THE FOLLOWING QUALIFICATIONS:
 - A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
 - A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) OR
 - A PERSON THAT SUCCESSFULLY COMPLETED THE "LEVEL II DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE.
- QUALITY ASSURANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE DONE BY PERFORMING SITE ASSESSMENT AT A CONSTRUCTION SITE. THE SITE ASSESSMENT SHALL BE CONDUCTED AT EACH OUTFALL INVOLVING DRAINAGE TOTALING 10 OR MORE ACRES OR 5 OR MORE ACRES IF DRAINING TO AN IMPAIRED OR EXCEPTIONAL QUALITY WATERS, WITHIN A MONTH OF CONSTRUCTION COMMENCING AT EACH PORTION OF THE SITE THAT DRAINS THE QUALIFYING ACREAGE OF SUCH PORTION OF THE SITE.
- AS A MINIMUM, SITE ASSESSMENT SHOULD BE PERFORMED TO VERIFY THE INSTALLATION, FUNCTIONALITY AND PERFORMANCE OF THE EPSC MEASURES DESCRIBED IN THE SWPPP REPORT. THE SITE ASSESSMENT SHOULD BE PERFORMED WITH THE INSPECTOR, AND SHOULD INCLUDE A REVIEW AND UPDATE (IF APPLICABLE) OF THE SWPPP REPORT. MODIFICATIONS OF PLANS AND SPECIFICATIONS FOR ANY BUILDING OR STRUCTURE, INCLUDING THE DESIGN OF SEDIMENT BASINS OR OTHER SEDIMENT CONTROLS INVOLVING STRUCTURAL, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT AND STAMPED AND CERTIFIED IN ACCORDANCE WITH THE TENNESSEE CODE ANNOTATED, TITLE 62, CHAPTER 2 AND THE RULES OF THE TENNESSEE BOARD OF ARCHITECTURAL AND ENGINEERING EXAMINERS.
- THE SITE ASSESSMENT FINDINGS SHALL BE DOCUMENTED AND THE DOCUMENTATION KEPT WITH THE SWPPP REPORT AT THE SITE. AT A MINIMUM, THE DOCUMENTATION SHALL INCLUDE INFORMATION INCLUDED IN THE INSPECTION FORM PROVIDED IN APPENDIX D OF THE SWPPP REPORT. THE DOCUMENTATION MUST CONTAIN THE PRINTED NAME AND SIGNATURE OF THE INDIVIDUAL PERFORMING THE SITE ASSESSMENT AND THE FOLLOWING CERTIFICATION:
"I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."
- THE SITE ASSESSMENT CAN TAKE THE PLACE OF ONE OF THE TWICE WEEKLY INSPECTIONS REQUIREMENT.
- MODNR MAY REQUIRE ADDITIONAL SITE ASSESSMENT(S) TO BE PERFORMED IF SITE INSPECTION BY MODNR'S PERSONNEL REVEALS SITE CONDITIONS THAT HAVE POTENTIAL OF CAUSING POLLUTION TO THE WATERS OF THE STATE.

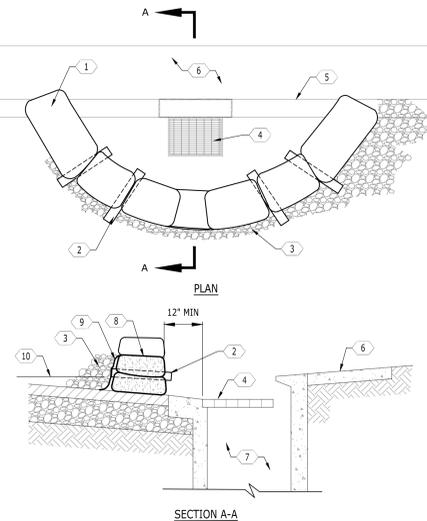
NOTE:

CONTRACTOR SHALL INSTALL A 4'X4' WEATHER PROOF SIGN (6' HEIGHT) AT THE MAIN CONSTRUCTION ENTRANCE. THE SIGN SHALL HAVE THE FOLLOWING INFORMATION:

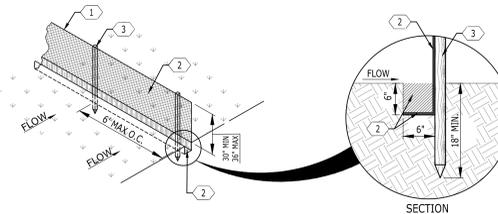
- A COPY OF THE NOTICE OF COVERAGE WITH THE NPDES PERMIT NUMBER (FURNISHED BY ENGINEER).
- THE NAME AND TELEPHONE NUMBER OF A LOCAL CONTACT PERSON (FURNISHED BY CONSTRUCTION MANAGER).
- DESCRIPTION OF PROJECT (FURNISHED BY CONSTRUCTION MANAGER).

KEYNOTES	
CODE	DESCRIPTION
1	SAND BAGS; OVERLAP ONTO CURB
2	PVC PIPE; 2"-3" DIA.; PLACE BETWEEN FIRST AND SECON LAYERS OF SAND BAGS (TYP.)
3	CLEAN, WASHED, STONE FILTER (1/2" DIA. NOMINAL SIZE GRAVEL OR APPROVED EQUAL); LINE ENTIRE OUTER PERIMETER OF THE SANDBAG BARRIER;
4	CURB INLET
5	BACK OF CURB
6	SIDEWALK
7	CATCH BASIN
8	SPILWAY
9	FILTER FABRIC
10	ALLOWABLE PONDING ELEV.

NOTE:
1. NOT APPLICABLE IN AREAS OF HIGH SILTS AND CLAYS WITHOUT USE OF FILTER FABRIC LAYER.
2. PERIODICALLY REMOVE AND REPLACE GRAVEL. OLD GRAVEL MAY BE USED AS BACKFILL MATERIAL IF APPROVED BY THE ENGINEER.

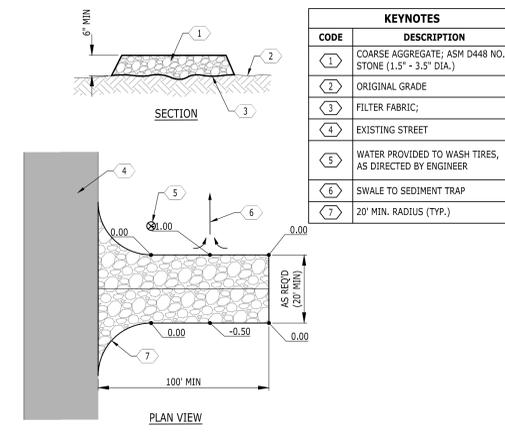


4 SAND BAG CURB INLET PROTECTION

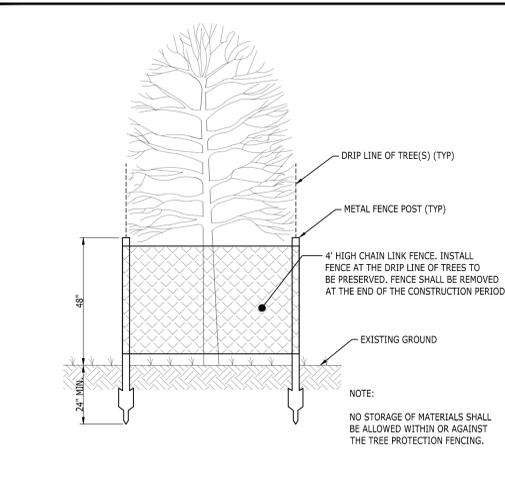


KEYNOTES	
CODE	DESCRIPTION
1	WOVEN WIRE FENCE BACKING FOR TYPE "B" SILT FENCE ONLY
2	ENGINEERING FILTER FABRIC*; BURY BOTTOM OF FABRIC IN 6"x6" TRENCH; BACKFILL TRENCH WITH SOIL AND COMPACT
3	POST; WOOD (2"x2" MIN.) OR STEEL T-POST (1.3 LB./FT. MIN.)
4	98' MAXIMUM RECOMMENDED SLOPE LENGTH
5	LEVEL CONTOUR; INSTALL SILT FENCE ALONG A LEVEL CONTOUR
6	MAX. TRIBUTARY AREA: 0.25 Ac. / 100 FT. OF FENCE
7	TURN LAST 6' OF FENCE UP SLOPE

3 SILT FENCE - TYPES A & B



1 TEMPORARY CONSTRUCTION ENTRANCE



2 TREE PROTECTION

SPECIFICATIONS			
Tensile Strength (Lbs. Min.) (1) (ASTM D-4632)	Warp-120 Fill -100	Warp-120 Fill -100	
Elongation (%Max.) (ASTM D-4632)	40	40	
AOS (Apparent Opening Size) (Max. Sieve Size) (ASTM D-4751)	# 30	# 30	
Flow Rate (Gal/Min/Sq. Ft.) (GDT-87)	25	25	
Ultraiolet Stability (2) (ASTM D-4632 after 300 hours weathering in accordance with ASTM D-4355)	80	80	
Bursting Strength (PSI Min.) (ASTM D-3786 Diaphragm Bursting Strength Tester)	175	175	
Minimum Fabric Width (Inches)	36	22	



LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063
816-282-5000

CONSTRUCTION DOCUMENTS
HCA LEE'S SUMMIT
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2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO. 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
1	10/21/2025	ASH-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
3	2025/07/06	DESIGN COORDINATION
4	2025/02/05	CITY - 2ND REVIEW

DRAWING TITLE
SEDIMENT AND EROSION CONTROL DETAILS
PROJECT NUMBER
20240037
DRAWING NUMBER
C3.2

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

02/18/2026

Devenney
GROUP

Devenney Group Ltd., Architects
6900 East Camelback Road
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Consultant:

Catalyst
DESIGN GROUP

1524 WILLIAMS DRIVE, SUITE 201, MURFREESBORO, TN 37129
(615) 622-7200 | WWW.CATALYST-DG.COM



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INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:40
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

OVERALL
DEMOLITION PLAN

C4.0

DEMOLITION KEYNOTES	
CODE	DESCRIPTION
(D1)	REMOVE EXISTING ASPHALT PAVEMENT
(D3)	REMOVE EXISTING CONCRETE SIDEWALK
(D4)	REMOVE EXISTING CONCRETE CURB
(D5)	EVENLY SAWCUT
(D7)	REMOVE EXISTING DRAINAGE STRUCTURE
(D8)	REMOVE EXISTING STORM LINE
(D9)	REMOVE EXISTING WATERLINE & APPURTENANCES
(D10)	REMOVE EXISTING SANITARY SEWER LINE
(D11)	REMOVE EXISTING UTILITY LINE & APPURTENANCES
(D14)	REMOVE EXISTING TREE

LEGEND	
BUILDING TO BE REMOVED	[Hatched Pattern]
CONCRETE TO REMOVE	[Diagonal Line Pattern]
ASPHALT PAVEMENT TO REMOVE	[Cross-hatch Pattern]
TREES TO BE REMOVED	[Circle with X]

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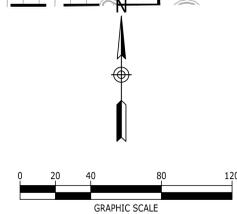
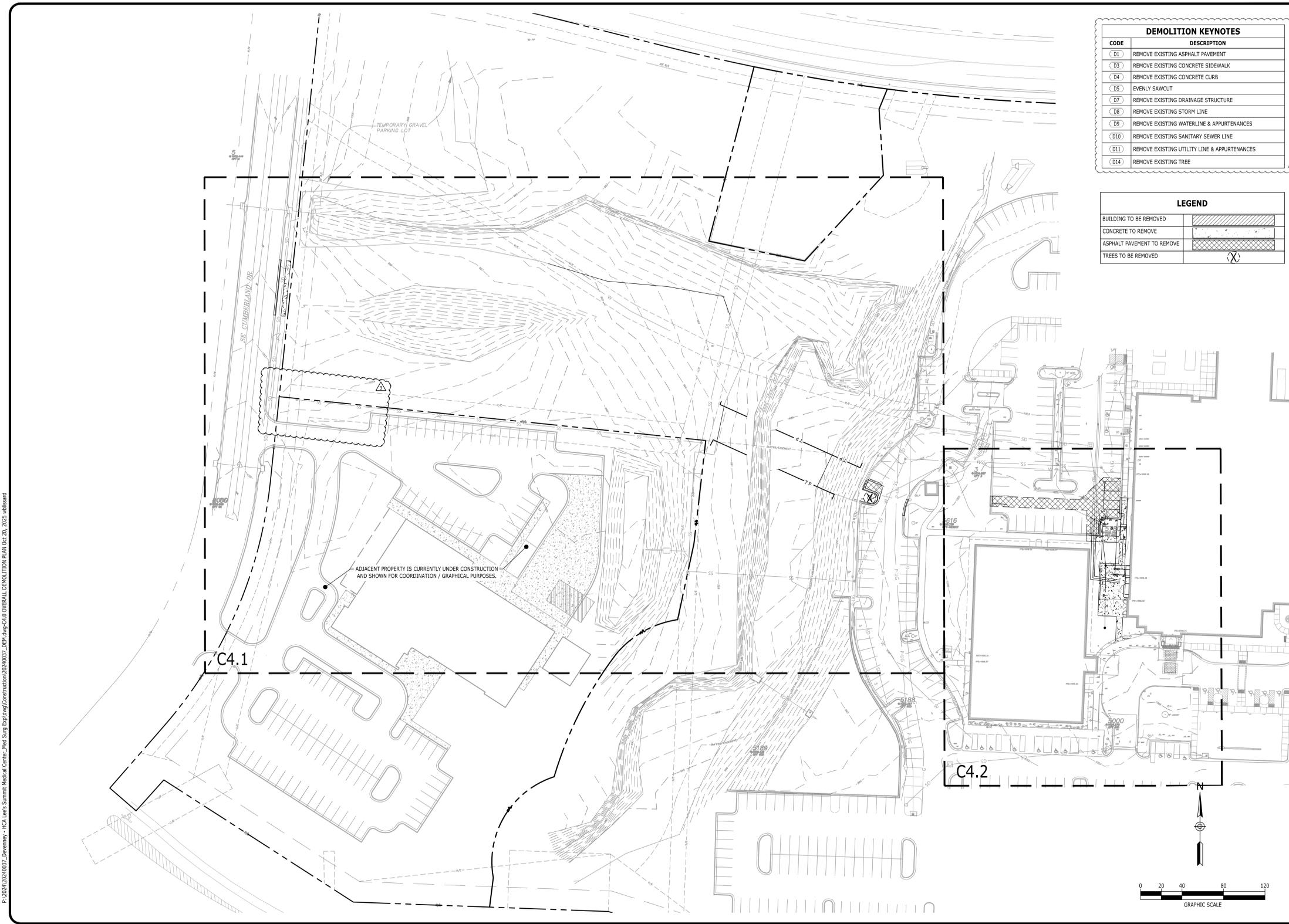
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**OVERALL
DEMOLITION PLAN**

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20240037

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www.devenneygroup.com

Consultant:



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AUTHORITY HAVING JURISDICTION:
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MISSOURI DHS

FACILITY NUMBER:
0972400099

AGENCY APPROVALS:
AGENCY

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REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:30
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETAILED
DEMOLITION PLAN

C4.1

DEMOLITION KEYNOTES	
CODE	DESCRIPTION
(D1)	REMOVE EXISTING ASPHALT PAVEMENT
(D3)	REMOVE EXISTING CONCRETE SIDEWALK
(D4)	REMOVE EXISTING CONCRETE CURB
(D5)	EVENLY SAWCUT
(D7)	REMOVE EXISTING DRAINAGE STRUCTURE
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(D10)	REMOVE EXISTING SANITARY SEWER LINE
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(D14)	REMOVE EXISTING TREE

LEGEND	
BUILDING TO BE REMOVED	[Hatched Pattern]
CONCRETE TO REMOVE	[Diagonal Line Pattern]
ASPHALT PAVEMENT TO REMOVE	[Cross-hatch Pattern]
TREES TO BE REMOVED	[Circle with X]



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CONSTRUCTION DOCUMENTS
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LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

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**DETAILED
DEMOLITION PLAN**

PROJECT NUMBER
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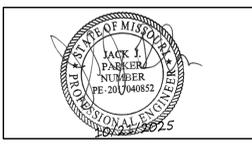
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INPATIENT BED EXPANSION

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MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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DRAWN: AP
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JOB NUMBER: 6406.24

DETAILED
DEMOLITION PLAN

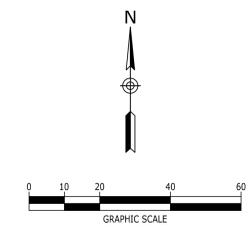
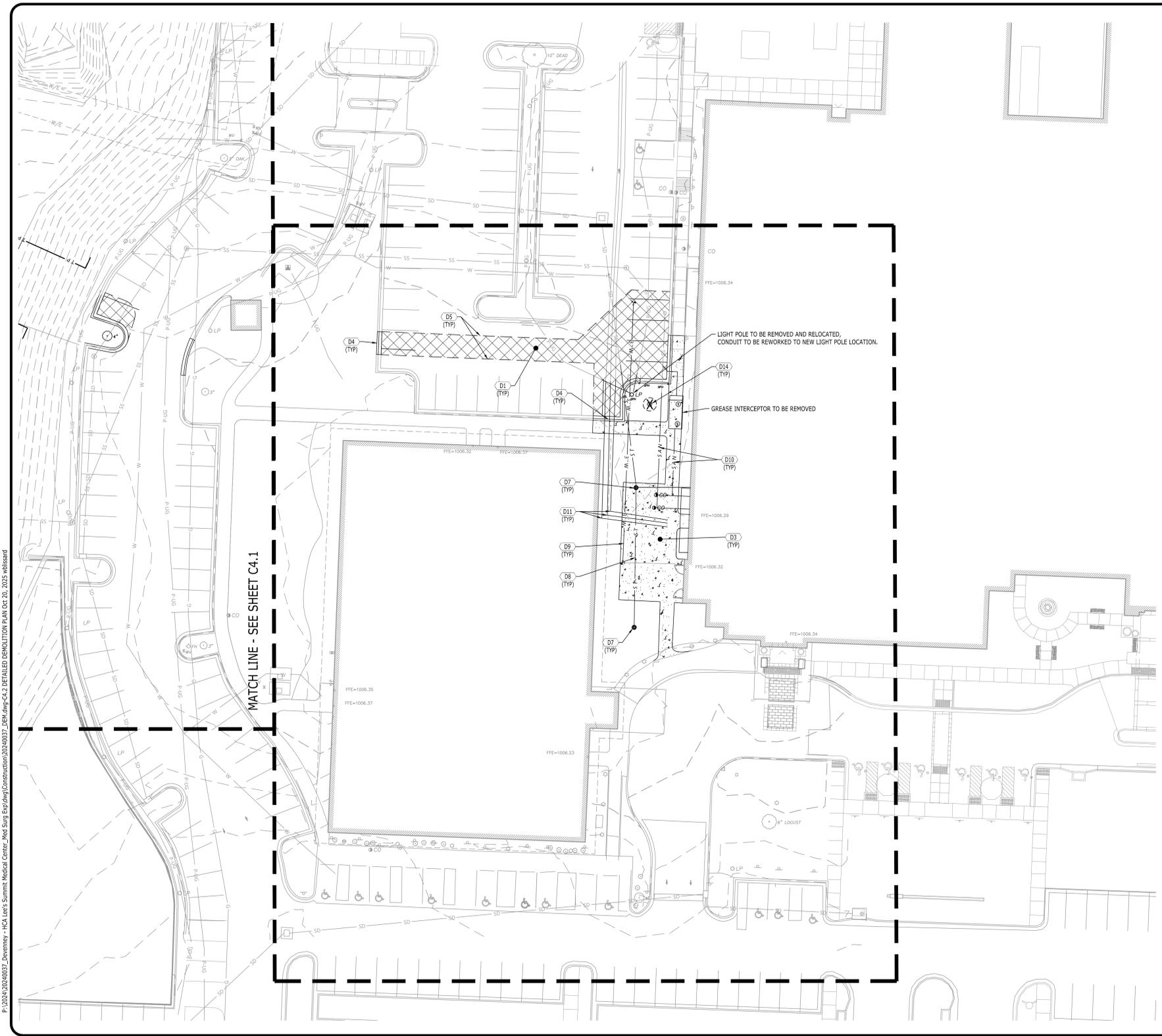
C4.2

DEMOLITION KEYNOTES

CODE	DESCRIPTION
(D1)	REMOVE EXISTING ASPHALT PAVEMENT
(D3)	REMOVE EXISTING CONCRETE SIDEWALK
(D4)	REMOVE EXISTING CONCRETE CURB
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(D14)	REMOVE EXISTING TREE

LEGEND

BUILDING TO BE REMOVED	[Hatched Pattern]
CONCRETE TO REMOVE	[Cross-hatched Pattern]
ASPHALT PAVEMENT TO REMOVE	[Diagonal Hatched Pattern]
TREES TO BE REMOVED	[X]



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CONSTRUCTION DOCUMENTS
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JACKSON COUNTY

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DRAWING TITLE
**DETAILED
DEMOLITION PLAN**

PROJECT NUMBER
20240037

DRAWING NUMBER
C4.2

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\p\p\Construction\20240037_DEM.dwg-C4.2 DETAILED DEMOLITION PLAN Oct. 20, 2025 whlsband

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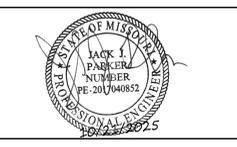
Development Services Department
Lee's Summit, Missouri

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INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
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3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:40
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

OVERALL LAYOUT PLAN

C5.0

LEGEND	
CONCRETE PAVEMENT	[Symbol]
CONCRETE SIDEWALK	[Symbol]
HEAVY DUTY PAVEMENT	[Symbol]
LIGHT DUTY PAVEMENT	[Symbol]
PAINTED STRIPE	[Symbol]
CONCRETE CURB	[Symbol]
CENTERLINE	[Symbol]

SITE LAYOUT KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
(S1A)	ASPHALT PAVEMENT - LIGHT DUTY	1 / C8.0
(S1B)	ASPHALT PAVEMENT - HEAVY DUTY	1 / C8.0
(S1C)	CONCRETE POST CURB	10 / C8.0
(S1D)	CONCRETE CURB & GUTTER	2 / C8.0
(S1E)	CONCRETE SIDEWALK	5 / C8.0
(S1F)	CONCRETE SIDEWALK WITH TURN DOWN CURB	8 / C8.0
(S1G)	CONCRETE SIDEWALK AT CURB & GUTTER	3 / C8.0
(S1H)	SIDEWALK JOINTS	6 / C8.0
(S1I)	ACCESSIBLE RAMP	3 / C8.1
(S1J)	BOLLARD	12 / C8.0
(S1K)	PEDESTRIAN CROSSWALK SIGN	7 / C8.0
(S1L)	STOP SIGN	4 / C8.0
(S1M)	PEDESTRIAN CROSSWALK	7 / C8.0
(S1N)	CONCRETE RETAINING WALL (WITH GUARDRAIL)	1 & 4 / C8.1
(S1O)	CONCRETE WHEEL STOP	8 / C8.1
(S1P)	ELEVATED WALK (WITH GUARDRAIL)	2 & 3 / C8.2

SITE DATA

TAX MAP: 60
PARCEL ID.: 60-420-99-15-00-0-00-000
SITE ADDRESS: 2000 SHENANDOAH DRIVE, LEE'S SUMMIT, MO 64063
SITE ACREAGE: 24.48 AC. (1,066,349 FT²)
EXISTING ZONING: CP-2
PROPOSED USE: HOSPITAL

IMPERVIOUS SURFACE AREA: 0.04 AC. (1,766 FT²)
BUILDINGS: 0.94 AC. (40,787 FT²)
DRIVES/SIDEWALKS: 0.94 AC. (40,787 FT²)
TOTAL PROPOSED IMPERVIOUS AREA: 0.98 AC. (42,553 FT²)

PARKING SUMMARY
PARKING REQUIRED: 1.8 SPACES / BED
HOSPITAL: 5 SPACES / 1,000SF
MOB: 1.8 SPACES / BED
PROPOSED 26 BED FACILITY:

LEE'S SUMMIT MEDICAL CENTER					
COMPONENT	EXISTING PARKING	DISPLACED PARKING	ADDED PARKING	ACTUAL PARKING	CODE REQUIRED PARKING
EXISTING (88 BEDS + 122,799 SF OF MOB'S)	752	0	0	752	773
PROPOSED PROJECT - (26 BED ADD/TOTAL 114 BEDS)	752	2	75	825	820

TOTAL PARKING REQUIRED:
88 BEDS X 1.8 SPACES = 158 SPACES REQUIRED
(122,799 SF OF MOB'S / 1,000SF) X 5 = 614 SPACES REQUIRED
26 BEDS X 1.8 SPACES = 47 SPACES REQUIRED
TOTAL REQUIRED: 820 SPACES REQUIRED
EXISTING PARKING: 752 SPACES

PARKING PROVIDED:
STANDARD PARKING: 795 SPACES
ADA PARKING: 35 SPACES
TOTAL PROVIDED PARKING: 825 SPACES

THE 35 EXISTING ADA SPACES EXCEED THE ADA PARKING REQUIREMENT (17 ADA SPACES) WITH THE REMOTE PARKING LOT ADDITION.

OWNER: MIDWEST DIVISION LSH LLC
ADDRESS: PO BOX 80610 INDIANAPOLIS, IN 46280

PROJECT REPRESENTATIVE: CATALYST DESIGN GROUP
ADDRESS: 1524 WILLIAMS DRIVE MURFREESBORO, TN 37129 615-701-6411 JACK PARKER jparker@catalyst-dg.com

PHONE NO.:
CONTACT NAME:
CONTACT E-MAIL ADDRESS:

FEMA PANEL:
THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 29095C0439G, 01/20/2017, COMMUNITY NAME: JACKSON COUNTY.



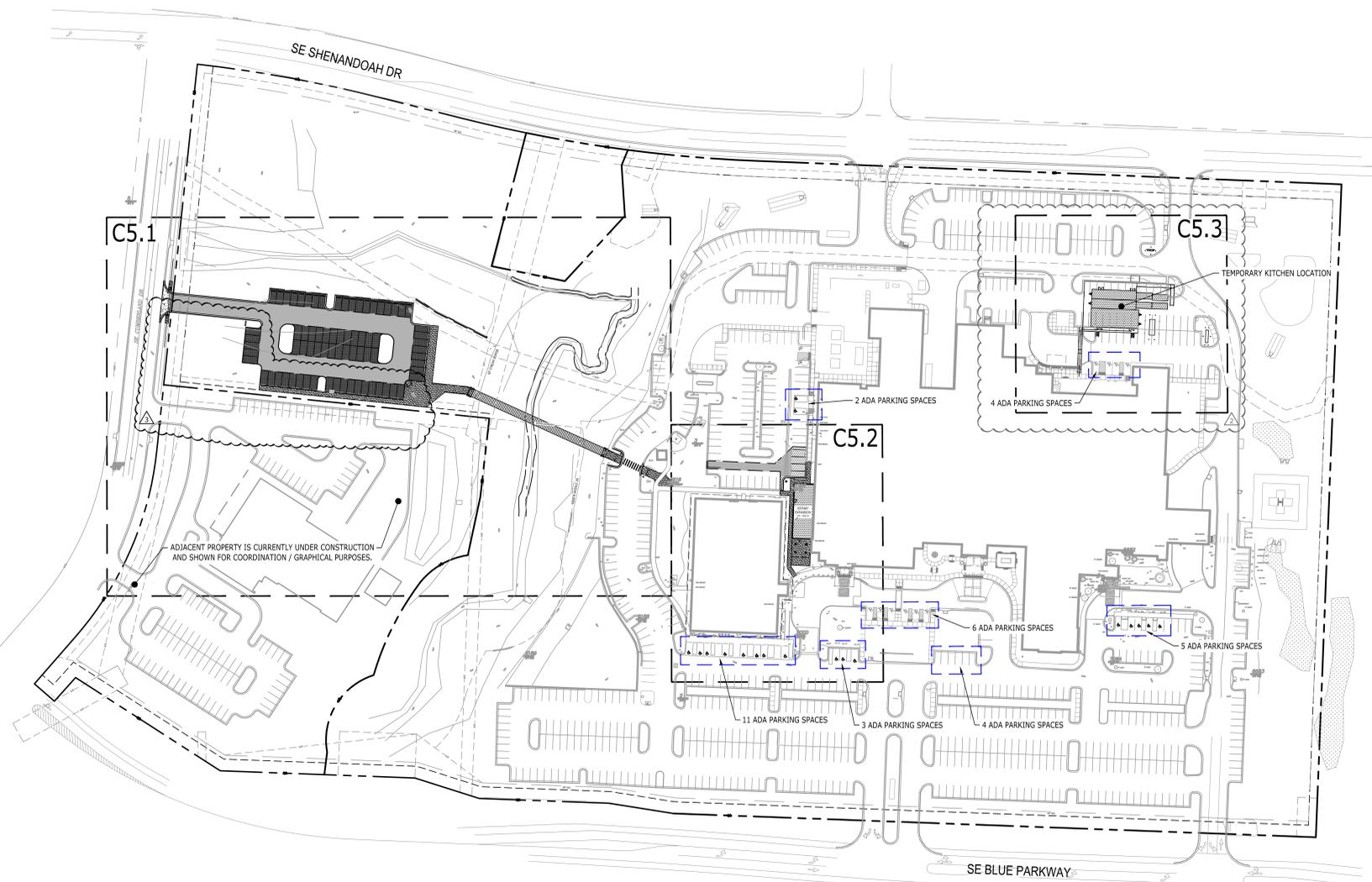
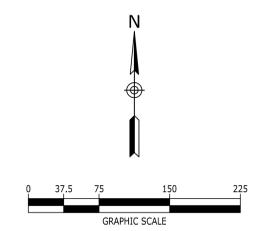
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DRAWING TITLE
OVERALL LAYOUT PLAN

PROJECT NUMBER: 20240037
DRAWING NUMBER: **C5.0**



C5.1

C5.3

C5.2

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_LAY.dwg-C5.0 OVERALL LAYOUT PLAN Oct 20, 2025 wblissard

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As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

02/18/2026

Devenney
G R O U P

Devenney Group Ltd., Architects

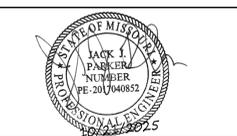
6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950
www.devenneygroup.com

Consultant:

Catalyst
DESIGN GROUP

1524 WILLIAMS DRIVE, SUITE 201, MURFREESBORO, TN 37129
(615) 622-7200 | WWW.CATALYST-DG.COM



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INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:20
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETAILED LAYOUT PLAN

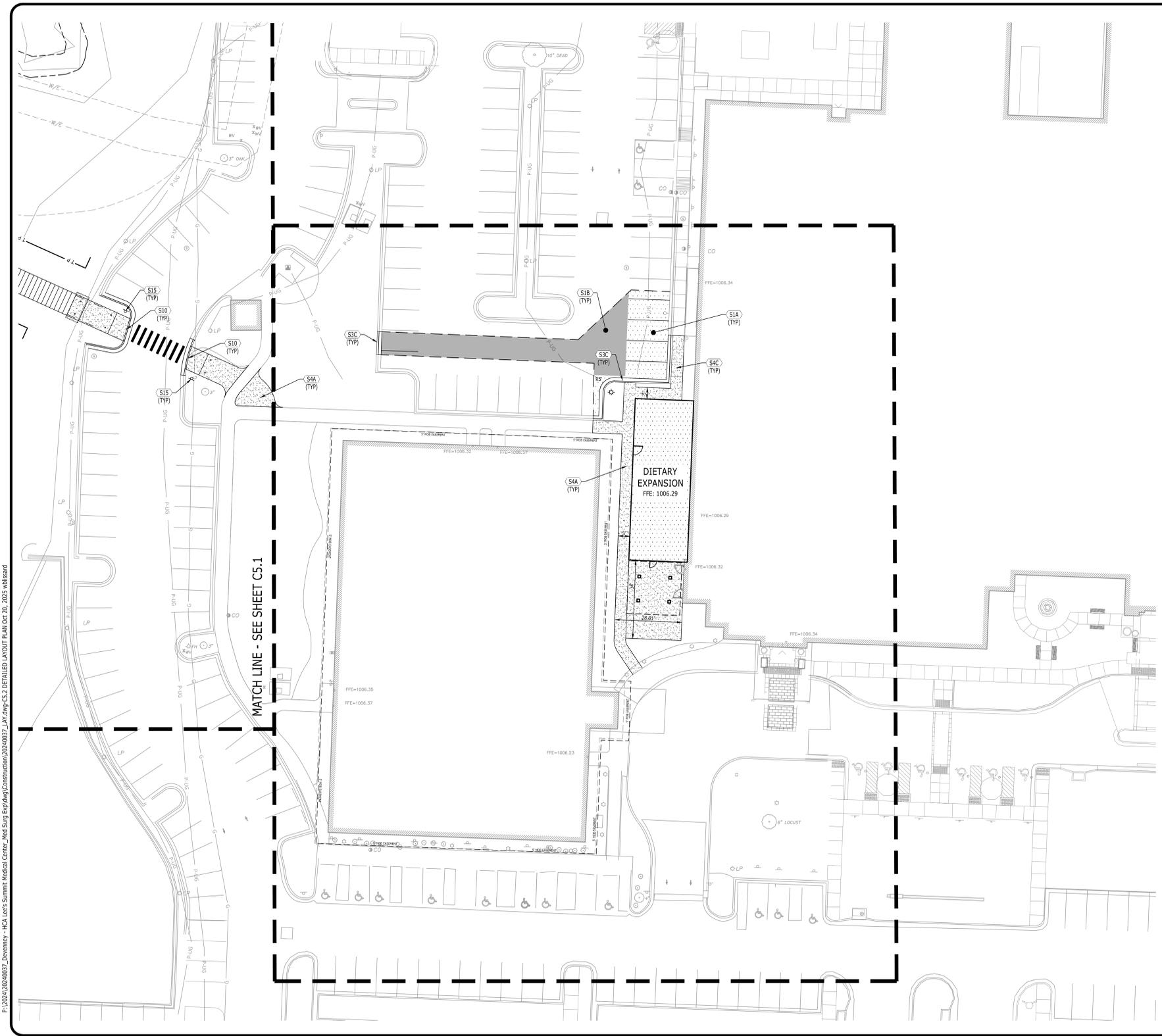
C5.2

SITE LAYOUT KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
(S1A)	ASPHALT PAVEMENT - LIGHT DUTY	1 / C8.0
(S1B)	ASPHALT PAVEMENT - HEAVY DUTY	1 / C8.0
(S3B)	CONCRETE POST CURB	10 / C8.0
(S3C)	CONCRETE CURB & GUTTER	2 / C8.0
(S4A)	CONCRETE SIDEWALK	5 / C8.0
(S4B)	CONCRETE SIDEWALK WITH TURN DOWN CURB	8 / C8.0
(S4C)	CONCRETE SIDEWALK AT CURB & GUTTER	3 / C8.0
(S5)	SIDEWALK JOINTS	6 / C8.0
(S10)	ACCESSIBLE RAMP	3 / C8.1
(S14)	BOLLARD	12 / C8.0
(S15)	PEDESTRIAN CROSSWALK SIGN	7 / C8.0
(S16)	STOP SIGN	4 / C8.0
(S19)	PEDESTRIAN CROSSWALK	7 / C8.0
(S20)	CONCRETE RETAINING WALL (WITH GUARDRAIL)	1 & 4 / C8.1
(S21)	CONCRETE WHEEL STOP	8 / C8.1
(S22)	ELEVATED WALK (WITH GUARDRAIL)	2 & 3 / C8.2

LEGEND

CONCRETE PAVEMENT	[Pattern]
CONCRETE SIDEWALK	[Pattern]
HEAVY DUTY PAVEMENT	[Pattern]
LIGHT DUTY PAVEMENT	[Pattern]
PAINTED STRIPE	[Pattern]
CONCRETE CURB	[Pattern]
CENTERLINE	[Pattern]



Catalyst
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MEDICAL CENTER
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LEE'S SUMMIT, MO 64063
816-282-5000

CONSTRUCTION DOCUMENTS
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
1	10/21/2025	ASI-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
3	2025/07/06	DESIGN COORDINATION
4	2025/02/05	CITY - 2ND REVIEW

DRAWING TITLE
DETAILED LAYOUT PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C5.2

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_LAY.dwg-C5.2 DETAILED LAYOUT PLAN Oct 20, 2025 whissard

6/19/2024 2:05:24 PM Autodesk Docs://p662-24-0001 - HCA - SNK_MedSurg_Expansion_rvt23/6406.24/001/HCA - SNK_MedSurg_Expansion.rvt

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Lee's Summit, Missouri

02/18/2026

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G R O U P

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INPATIENT BED EXPANSION

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MEDICAL CENTER
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LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:20
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETAILED LAYOUT PLAN

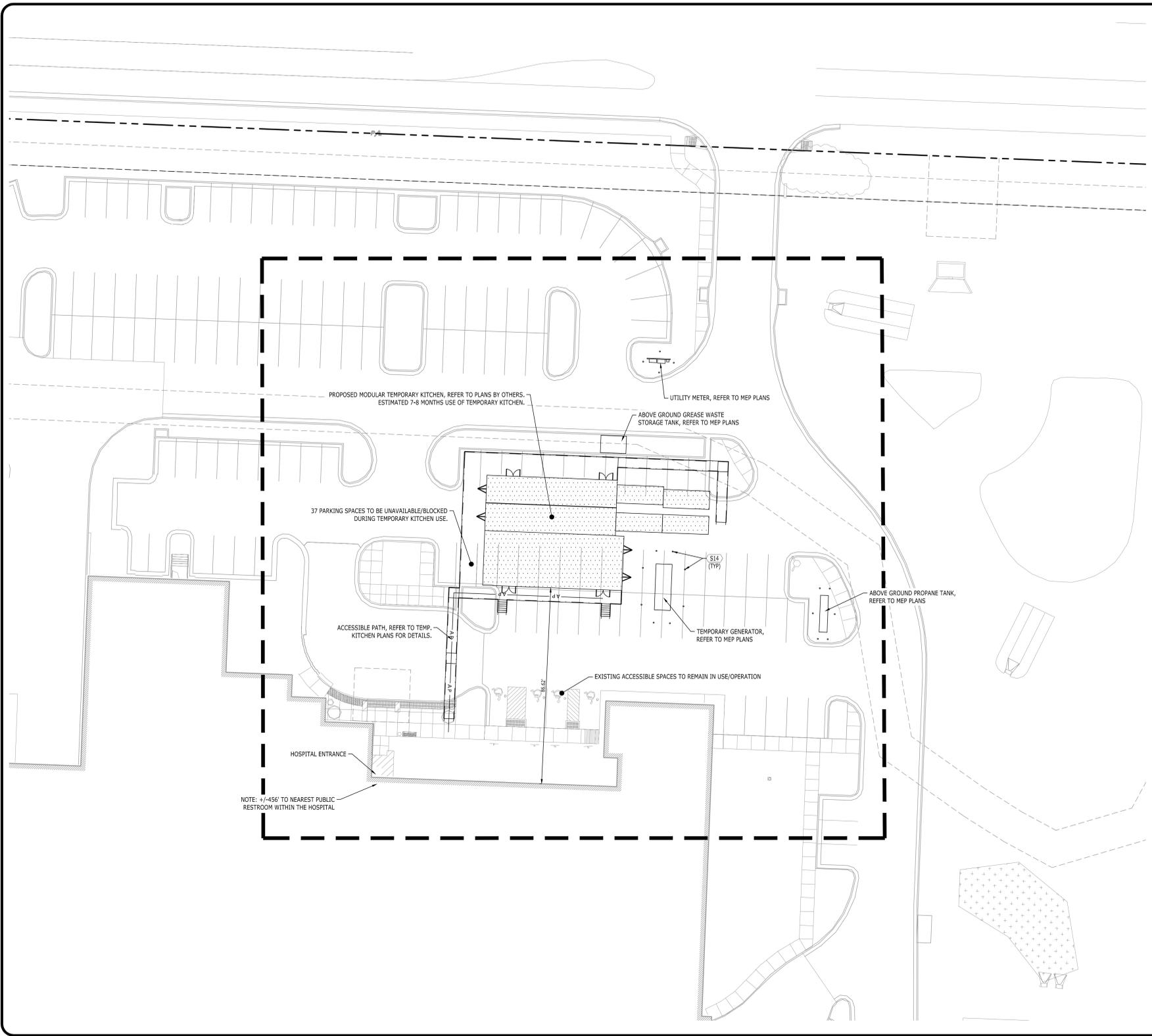
C5.3

SITE LAYOUT KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
(S1A)	ASPHALT PAVEMENT - LIGHT DUTY	1 / C8.0
(S1B)	ASPHALT PAVEMENT - HEAVY DUTY	1 / C8.0
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(S22)	ELEVATED WALK (WITH GUARDRAIL)	2 & 3 / C8.2

LEGEND

CONCRETE PAVEMENT	[Pattern]
CONCRETE SIDEWALK	[Pattern]
HEAVY DUTY PAVEMENT	[Pattern]
LIGHT DUTY PAVEMENT	[Pattern]
PAINTED STRIPE	[Pattern]
CONCRETE CURB	[Pattern]
CENTERLINE	[Pattern]



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LEE'S SUMMIT, MO. 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
1	10/21/2025	ASI-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
3	2025/07/06	DESIGN COORDINATION
4	2025/02/06	CITY - 2ND REVIEW

DRAWING TITLE
DETAILED LAYOUT PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C5.3

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Lee's Summit, Missouri
02/18/2026

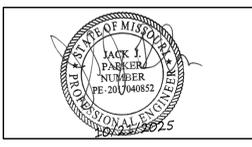
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FACILITY NUMBER:
097240009

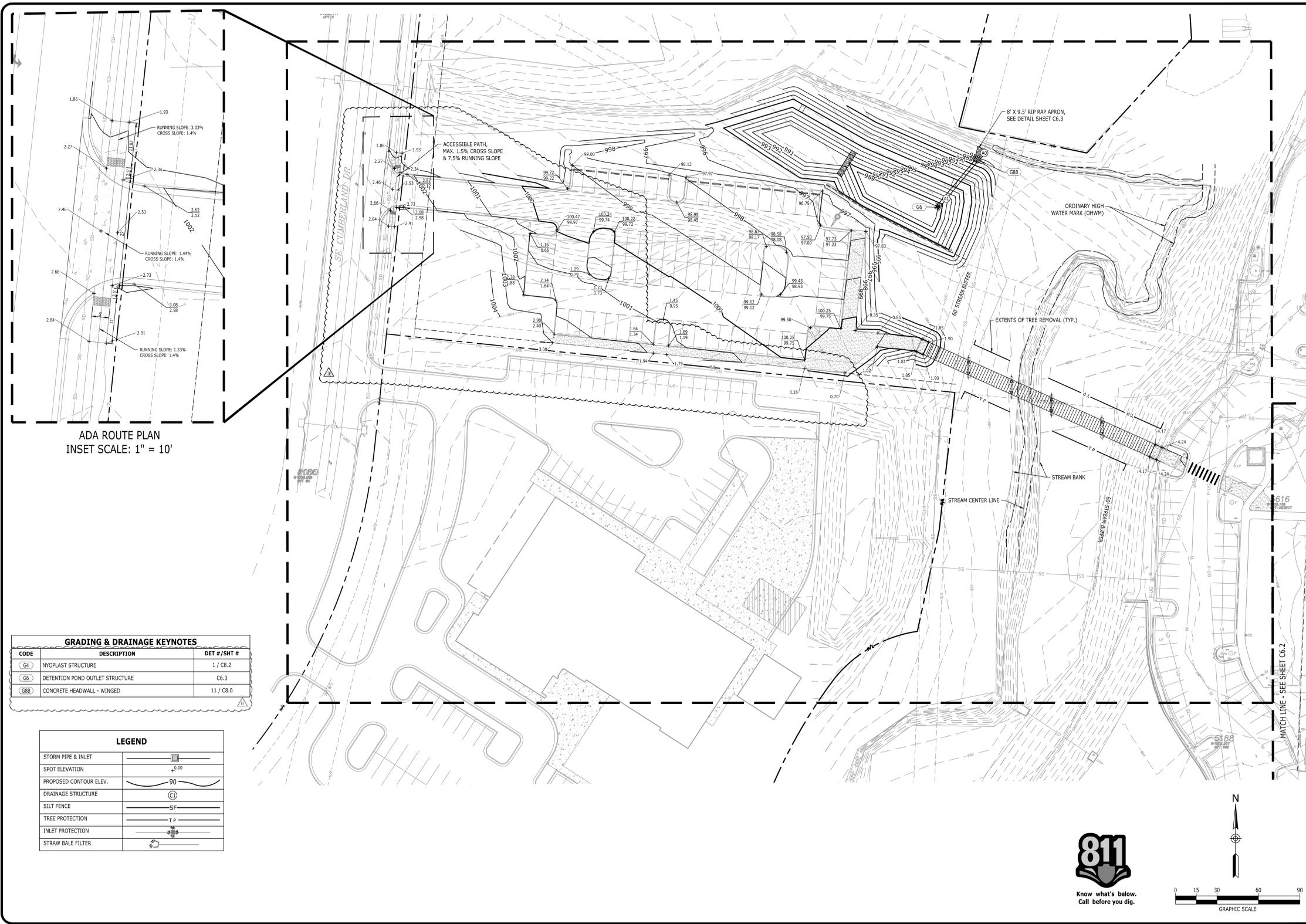
AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:30
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

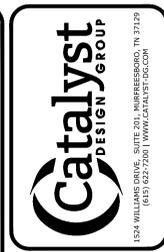
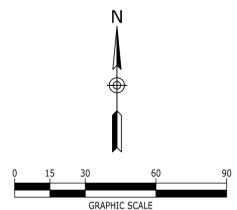
DETAILED GRADING & DRAINAGE PLAN

C6.1



GRADING & DRAINAGE KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
G4	NYOPLAST STRUCTURE	1 / CB.2
G6	DEFENTION POND OUTLET STRUCTURE	C6.3
G8B	CONCRETE HEADWALL - WINGED	11 / CB.0

LEGEND	
STORM PIPE & INLET	
SPOT ELEVATION	
PROPOSED CONTOUR ELEV.	
DRAINAGE STRUCTURE	
SILT FENCE	
TREE PROTECTION	
INLET PROTECTION	
STRAW BALE FILTER	



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MEDICAL CENTER
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LEE'S SUMMIT, MO 64063
816-282-5000

CONSTRUCTION DOCUMENTS
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO. 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
1	10/21/2025	ASI-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
3	2025/07/06	DESIGN COORDINATION
4	2025/02/06	CITY - 2ND REVIEW

DRAWING TITLE
DETAILED GRADING & DRAINAGE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C6.1

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6/19/2024 2:05:24 PM AutoCAD Docx/fig-C6.1_DETAILED GRADING & DRAINAGE PLAN.rvt HCA - SHC Med Surg Expansion - 2023/6/06 2A:00:11 HCA - SHC Med Surg Expansion.rvt

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Development Services Department
Lee's Summit, Missouri

02/18/2026

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Consultant:

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DESIGN GROUP

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INPATIENT BED EXPANSION

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MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:20
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETAILED GRADING & DRAINAGE PLAN

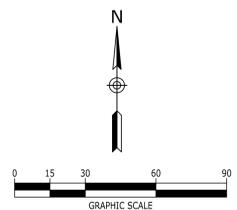
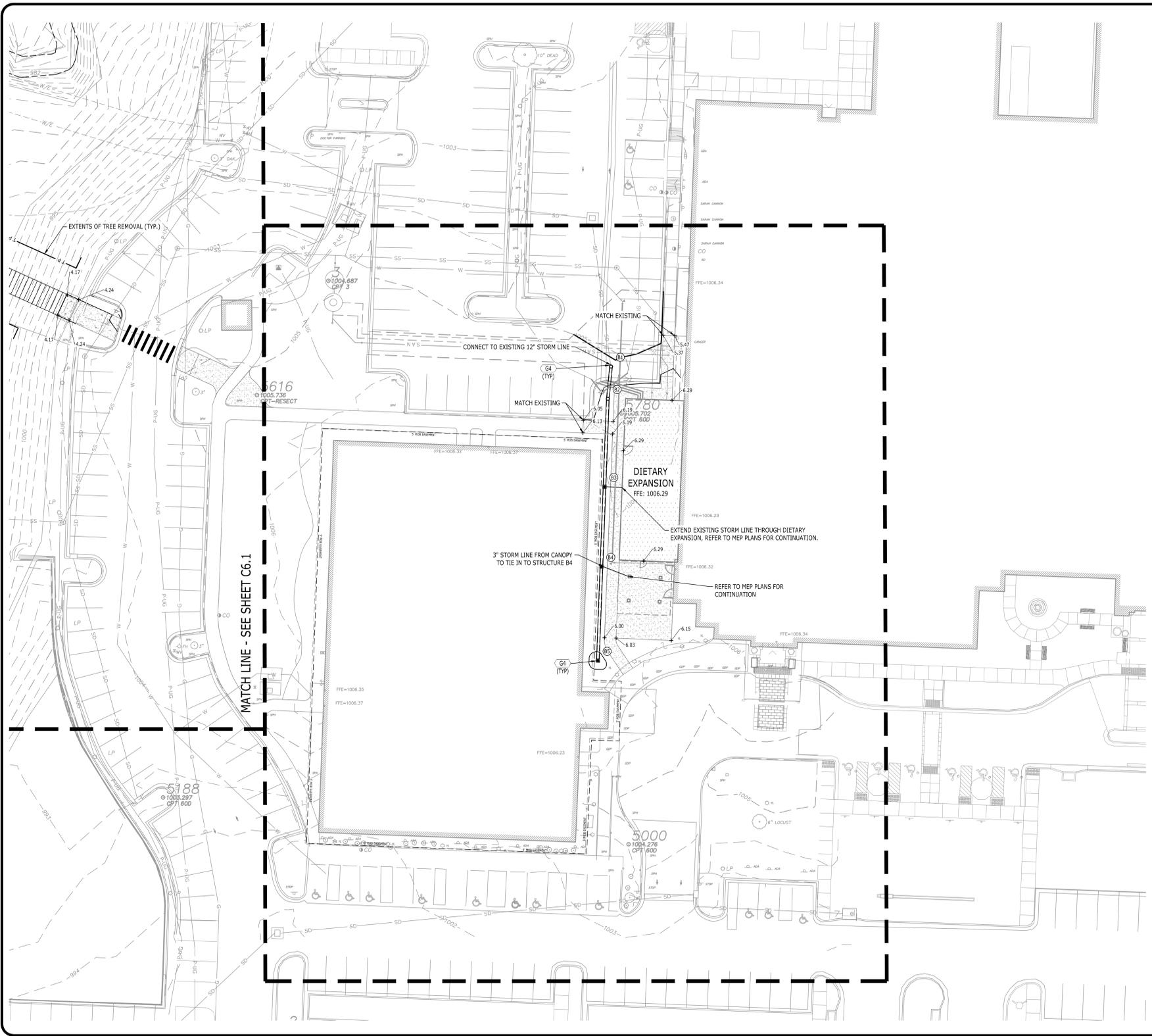
C6.2

GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
G4	WYOPLAST STRUCTURE	1 / C8.2
G6	DETENTION POND OUTLET STRUCTURE	C6.3
G8B	CONCRETE HEADWALL - WINGED	11 / C8.0

LEGEND

STORM PIPE & INLET	
SPOT ELEVATION	
PROPOSED CONTOUR ELEV.	
DRAINAGE STRUCTURE	
SILT FENCE	
TREE PROTECTION	
INLET PROTECTION	
STRAW BALE FILTER	



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MEDICAL CENTER
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LEE'S SUMMIT, MO 64063
816-282-5000

CONSTRUCTION DOCUMENTS
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MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
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DRAWING TITLE
DETAILED GRADING & DRAINAGE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C6.2

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JACKSON COUNTY PROFESSIONAL ENGINEER

2025

INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
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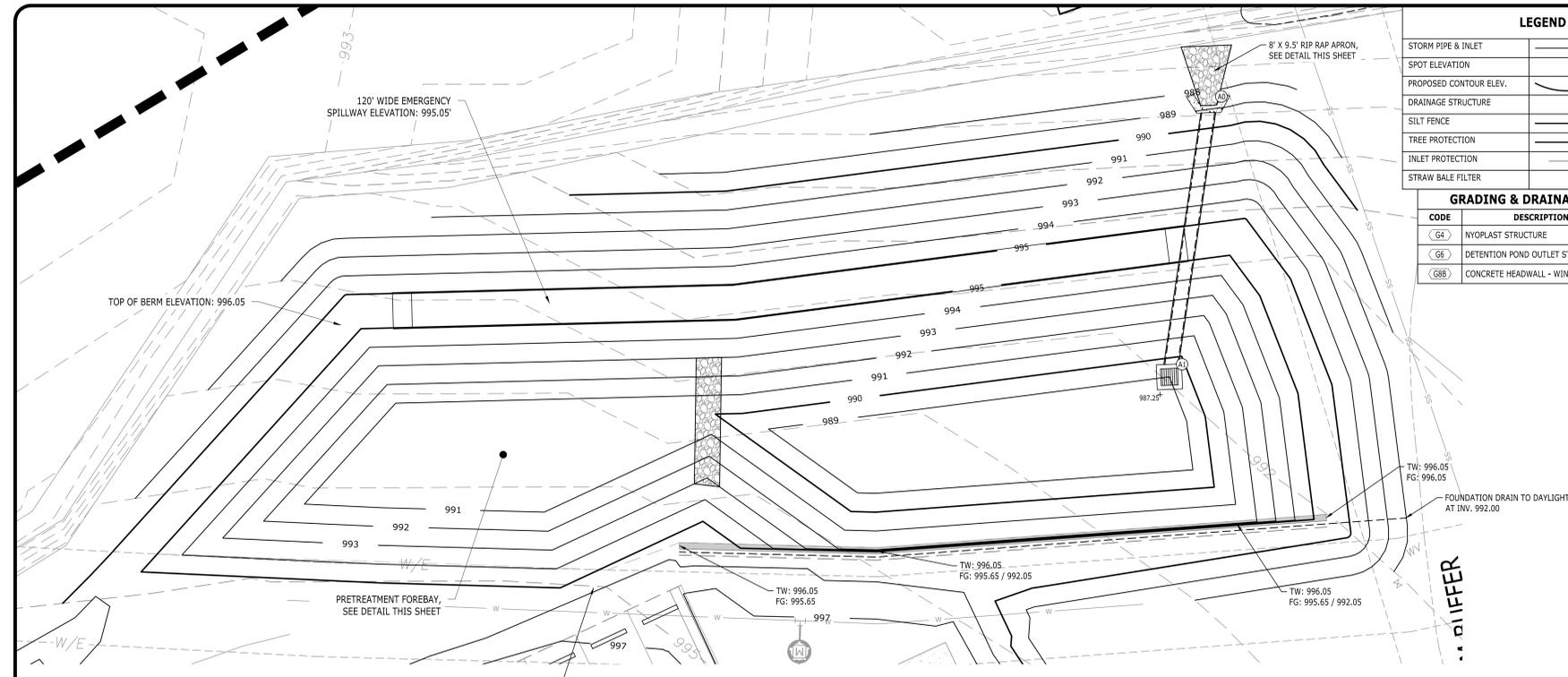
AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25
3	ASH-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:10
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETENTION BASIN
DETAILS

C6.3



LEGEND

STORM PIPE & INLET	
SPOT ELEVATION	
PROPOSED CONTOUR ELEV.	
DRAINAGE STRUCTURE	
SILT FENCE	
TREE PROTECTION	
INLET PROTECTION	
STRAW BALE FILTER	

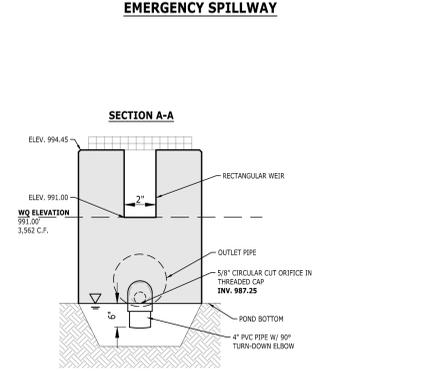
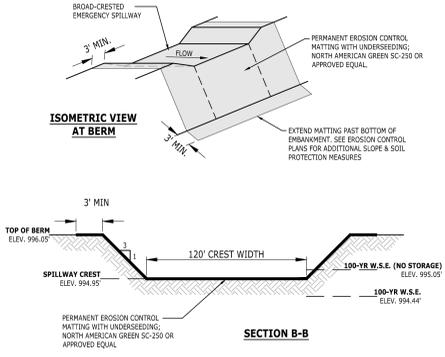
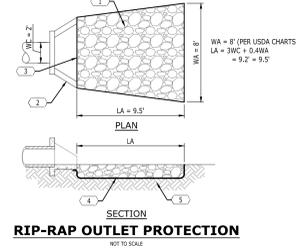
GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
(G4)	NYOPLAST STRUCTURE	1 / C6.2
(G6)	DETENTION POND OUTLET STRUCTURE	C6.3
(G8)	CONCRETE HEADWALL - WINGED	11 / C8.0

KEYNOTES

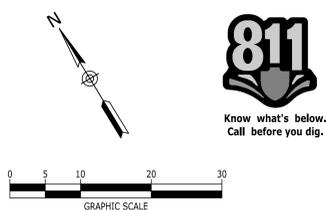
CODE	DESCRIPTION
(1)	RIP-RAP (50# - 9") TO BE HAND-PLACED NATIVE LIMESTONE PLACED TO A MIN. DEPTH OF 1.5'
(2)	CONCRETE HEADWALL
(3)	MATCH HEADWALL APRON WIDTH
(4)	FILTER FABRIC: MIRAFI 1120N/RF-4553 OR AN APPROVED EQUIVALENT
(5)	COMPACTED SUBGRADE

NOTE:
1. RIP-RAP STONE SHALL BE "FRACTURED FACED" WITH AT LEAST THREE DISTINCT SIDES, PROVIDE AND INSTALL IN ACCORDANCE WITH SECTION 300.0 OF THE CURRENT EDITION OF APWA SPECIFICATIONS FOR STORM SEWER CONSTRUCTION.
2. #50 BY DEFINITION = 50 PERCENT OF THE STONE BY WEIGHT SHALL BE THE SIZE NOTED OR SMALLER.
3. THE CONTRACTOR SHALL UNIFORMLY DISTRIBUTE STONE SIZES THROUGHOUT THE RIP-RAP PAD.

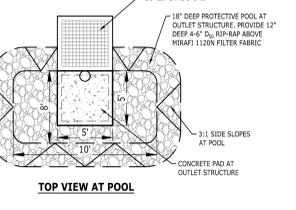
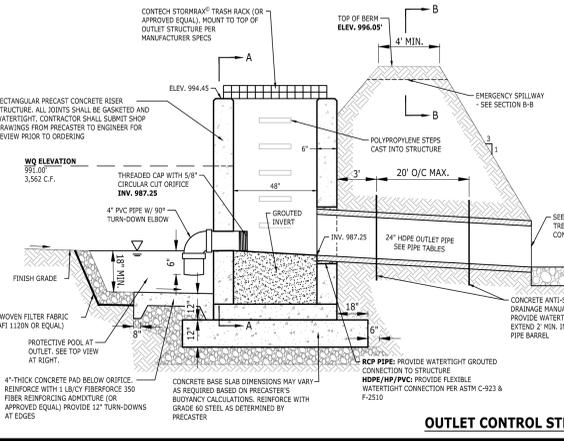
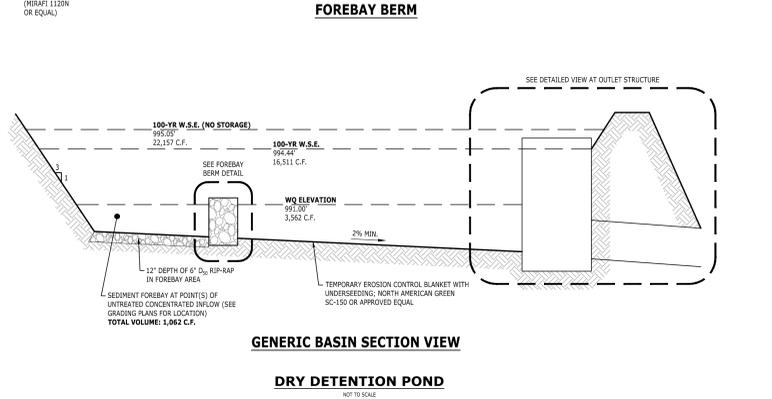
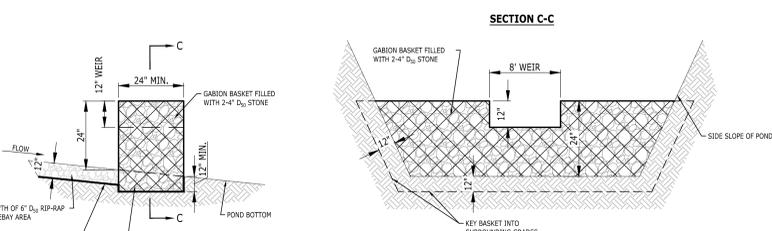


NOTE:
DETENTION BASIN SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE PARKING LOT.

AN AS-GRADED AND AS-BUILT DETENTION BASIN PLAN SHALL BE SUBMITTED AND ACCEPTED BY THE CITY OF LEE'S SUMMIT PRIOR TO ISSUANCE OF A CERTIFICATE OF SUBSTANTIAL COMPLETION.



- DETENTION POND NOTES**
- AREA OF EMBANKMENT, OUTLET STRUCTURE(S), AND DOWNSTREAM OF EMERGENCY SPILLWAY(S) SHALL BE CLEARED OF ALL TREES, VEGETATION, ROOTS, AND OTHER OBSTRUCTIONS. THE PONDING AREA OF THE IMPROVEMENT (BELOW THE 100-YR W.S.E.) SHALL BE KEPT CLEAR OF TREES AND OVERGROWTH TO FACILITATE MAINTENANCE AND ACCESS.
 - EMBANKMENT MATERIALS SHALL BE SELECTED BY THE GEOTECHNICAL ENGINEER AND SHALL BE TESTED, INSTALLED, AND COMPACTED AT THEIR DISCRETION. EMBANKMENT MATERIALS SHALL BE FREE OF ROOTS, CONSTRUCTION WASTE, OR DECOMPOSABLE MATERIAL.
 - THE TOP OF BERM SHALL BE CONSTRUCTED 4% ABOVE THE DESIGN HEIGHT (AS A PERCENTAGE OF THE TOTAL HEIGHT OF THE IMPROVEMENT) TO ALLOW FOR SETTLEMENT, AND SHOULD BE PROPERLY COMPACTED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
 - THE EMBANKMENT & POND SHALL BE STABILIZED UPON COMPLETION OF THE SURROUNDING EARTHWORK WITH SOIL, SEED/STRAW, MATTING, OR OTHER PLANTINGS AS REFLECTED IN THESE PLANS AND THE LANDSCAPE ARCHITECTURAL DOCUMENTS.



P:\2024\202400037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\202400037_GRA\Prop-C6.3_DETENTION BASIN DETAILS Oct 20, 2025.whlssard

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Development Services Department
Lee's Summit, Missouri

02/18/2026

Devenney
GROUP

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(615) 622-7200 | WWW.CATALYST-DG.COM

Professional Engineer Seal for Jack J. Parker, License No. 201044853, State of Missouri, expires 02/25/2025.

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HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

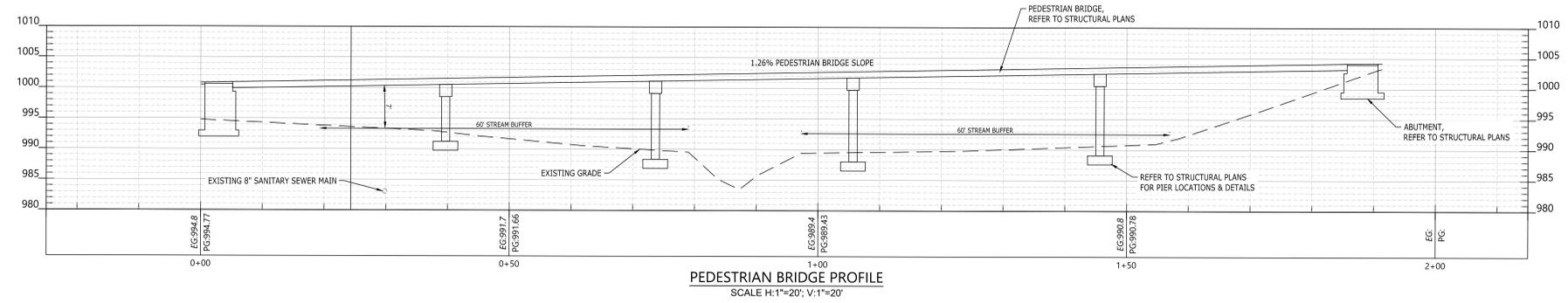
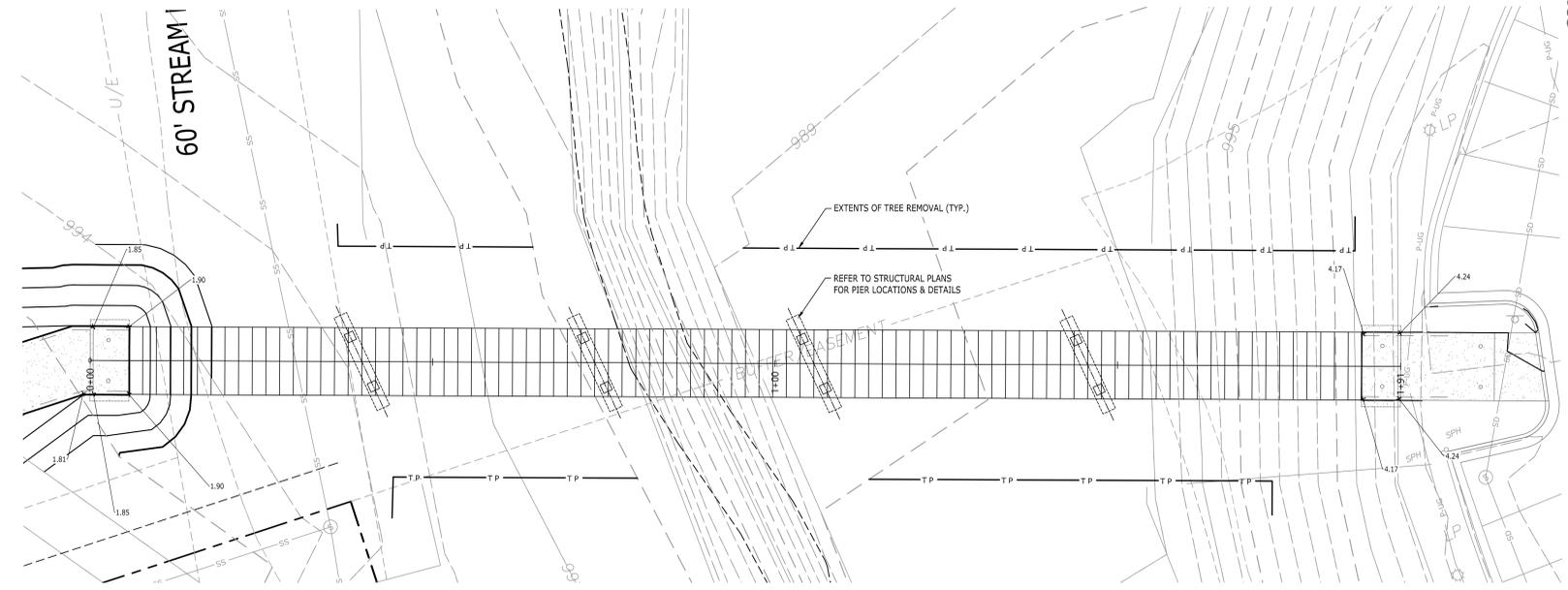
DATE: 2025/07/25
SCALE: 1:10
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

PEDESTRIAN BRIDGE
PLAN & PROFILE

C6.4

CODE	DESCRIPTION	DET # / SHT #
G4	NYOPLAST STRUCTURE	1 / C8.2
G6	DETENTION POND OUTLET STRUCTURE	C6.3
C8B	CONCRETE HEADWALL - WINGED	11 / C8.0

LEGEND	
STORM PIPE & INLET	
SPOT ELEVATION	
PROPOSED CONTOUR ELEV.	
DRAINAGE STRUCTURE	
SILT FENCE	
TREE PROTECTION	
INLET PROTECTION	
STRAW BALE FILTER	



DRAWING TITLE
**PEDESTRIAN BRIDGE
PLAN & PROFILE**

PROJECT NUMBER
20240037

DRAWING NUMBER
C6.4

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\mg\Construction\20240037_GRA\mg-C6.4 PEDESTRIAN BRIDGE PLAN & PROFILE Oct 20, 2025.mxd

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A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25
3	ASH-003 - DESIGN COORDINATION	2025/10/21
4	ASH-004 - DESIGN COORDINATION	2025/10/24

DATE: 2025/07/25
SCALE: 1:40
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

OVERALL UTILITY PLAN

C7.0

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816-282-5000

CONSTRUCTION DOCUMENTS
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
1	10/24/2025	ASH-004 - DESIGN COORDINATION
2	10/21/2025	ASH-003 - DESIGN COORDINATION
3	07/25/2025	DESIGN COORDINATION
4	2025/02/06	DESIGN COORDINATION
5	2025/02/06	DESIGN COORDINATION

DRAWING TITLE
OVERALL UTILITY PLAN

PROJECT NUMBER
20240037

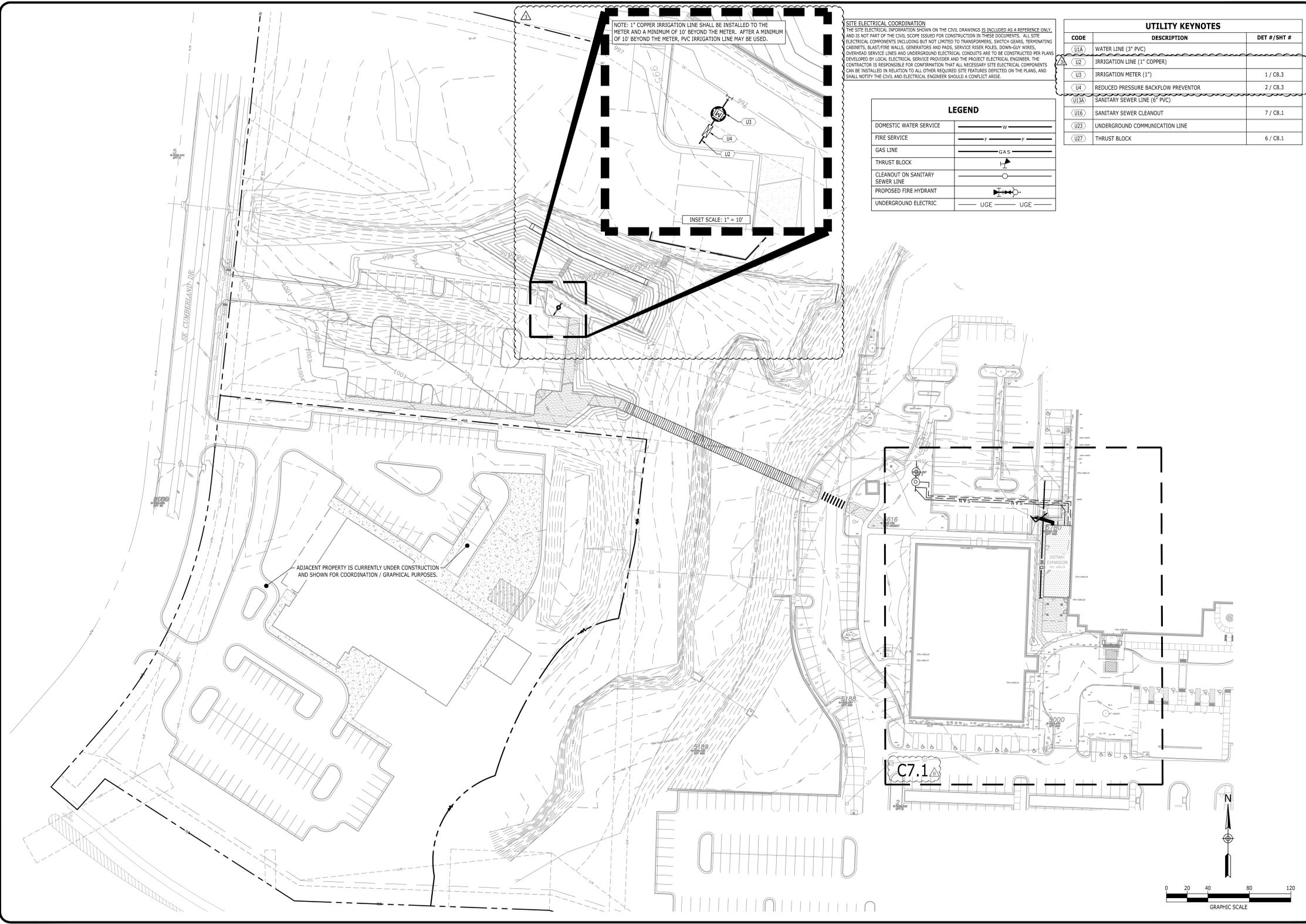
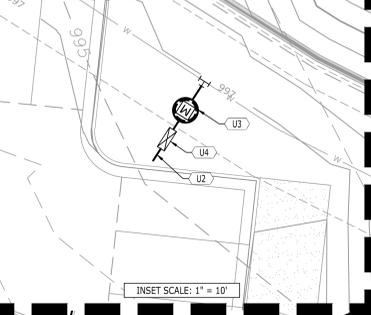
DRAWING NUMBER
C7.0

CODE	DESCRIPTION	DET #/SHT #
(U1A)	WATER LINE (3" PVC)	
(U2)	IRRIGATION LINE (1" COPPER)	
(U3)	IRRIGATION METER (1")	1 / C8.3
(U4)	REDUCED PRESSURE BACKFLOW PREVENTOR	2 / C8.3
(U13A)	SANITARY SEWER LINE (6" PVC)	
(U16)	SANITARY SEWER CLEANOUT	7 / C8.1
(U23)	UNDERGROUND COMMUNICATION LINE	
(U27)	THRUST BLOCK	6 / C8.1

LEGEND	
DOMESTIC WATER SERVICE	— W —
FIRE SERVICE	— F —
GAS LINE	— GAS —
THRUST BLOCK	— T —
CLEANOUT ON SANITARY SEWER LINE	— C —
PROPOSED FIRE HYDRANT	— FH —
UNDERGROUND ELECTRIC	— UGE —

SITE ELECTRICAL COORDINATION
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NOTE: 1" COPPER IRRIGATION LINE SHALL BE INSTALLED TO THE METER AND A MINIMUM OF 10' BEYOND THE METER. AFTER A MINIMUM OF 10' BEYOND THE METER, PVC IRRIGATION LINE MAY BE USED.



ADJACENT PROPERTY IS CURRENTLY UNDER CONSTRUCTION AND SHOWN FOR COORDINATION / GRAPHICAL PURPOSES.

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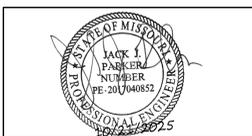
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MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
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MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:20
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETAILED UTILITY PLAN

C7.1

UTILITY KEYNOTES

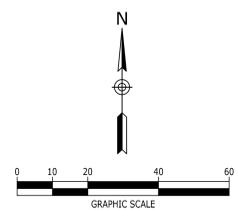
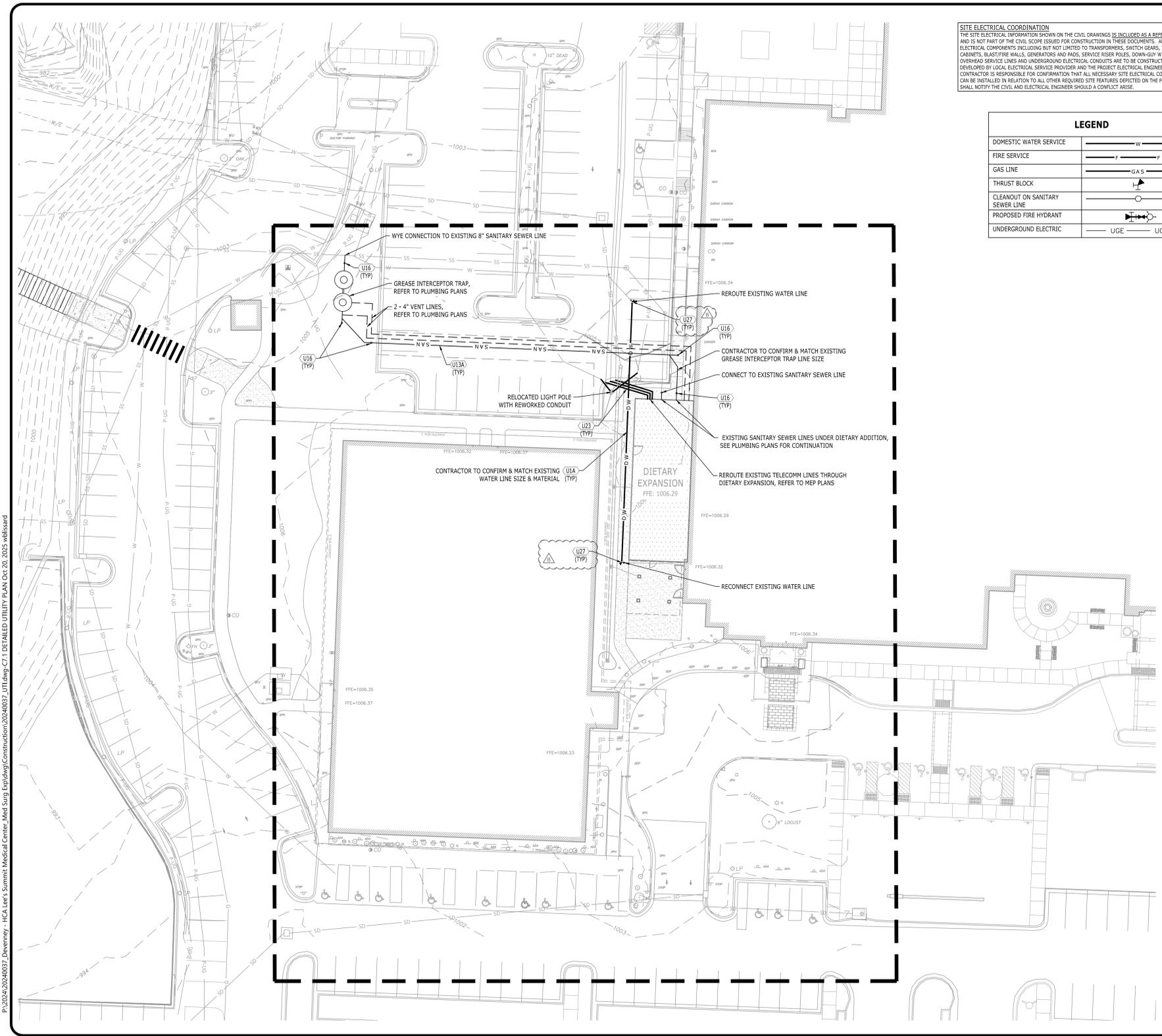
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LEGEND

DOMESTIC WATER SERVICE	— W —
FIRE SERVICE	— F —
GAS LINE	— GAS —
THRUST BLOCK	— T —
CLEANOUT ON SANITARY SEWER LINE	— C —
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NO.	DATE	DESCRIPTION
1	10/21/2025	ASI-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
3	2025/02/06	DESIGN COORDINATION
4	2025/02/06	CITY - 2ND REVIEW

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DETAILED UTILITY PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C7.1

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MISSOURI DHSS

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3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: AP
DRAWN: WB
REVIEWED: 6406.24
JOB NUMBER:

SITE DETAILS

C8.0

KEYNOTES

CODE	DESCRIPTION
(1)	ASPHALTIC SURFACE COURSE
(2)	TACK COAT AT 0.10 GAL./S.Y.
(3)	ASPHALTIC BASE COURSE
(4)	PRIME COAT AT 0.30 GAL./S.Y.
(5)	ASPHALTIC SURFACE COURSE
(6)	COMPACTED MINERAL AGGREGATE BASE
(7)	COMPACTED SUBGRADE

NOTE:
1. ON ALL EXISTING PAVEMENT REPAIR OR REPLACEMENT, USE THE PAVEMENT SECTIONS SHOWN OR MATCH THE EXISTING SECTION, WHICHEVER IS GREATER.
2. PAVEMENT DEPTHS TO MATCH AND COMPLY WITH THE CITY OF LEE'S SUMMIT UNIFIED DEVELOPMENT CODE STANDARDS.
3. ALL ASPHALTIC CONCRETE MIX & COMPONENTS TO ADHERE TO KCMHB STANDARDS

HEAVY DUTY PAVEMENT

LIGHT DUTY PAVEMENT

KEYNOTES

CODE	DESCRIPTION
(1)	CONCRETE; 3500 PSI
(2)	SPILL CURB
(3)	CATCH CURB; TRANSITION FROM CATCH TO SPILL CURB OVER 10' LENGTH (TYP.)
(4)	CONCRETE REINFORCEMENT; NO. 4 BAR, CONTINUOUS (3 TYP.)
(5)	BACKFILL BEHIND CURB
(6)	4" MINERAL AGGREGATE BASE

CONCRETE CURB AND GUTTER

KEYNOTES

CODE	DESCRIPTION
(1)	CONCRETE SIDEWALK; 4" THICK; 3500 PSI CONCRETE; SLOPE 2% MAX., 1% MIN.; 8" CONCRETE THICKNESS WHERE HS-20-44 LOADING IS REQUIRED (SEE PLANS)
(2)	BROOM FINISH
(3)	CONTROL JOINTS 5' O.C.; EXPANSION JOINTS 25' O.C. AND WHERE SIDEWALKS ABUT RIGID MATERIALS
(4)	1/2" EXPANSION JOINT
(5)	NO. 4 DOWELS; 12" O.C.; GREASE ONE END
(6)	CONCRETE REINFORCEMENT; 6"x6"xW2.9xW2.9 W.W.F.; GRADE 60 STEEL
(7)	4" MINERAL AGGREGATE OR SAND BASE; USE 6" AGGREGATE WHERE HS-20-44 LOADING IS REQUIRED (SEE PLANS)

CONCRETE SIDEWALK AT CURB AND GUTTER

KEYNOTES

CODE	DESCRIPTION
(1)	R1-1 STOP SIGN (24" X 24")
(2)	2" SQUARE GALVANIZED STEEL TUBE, PROVIDE WELDED CAP AT TOP AND GRIND WELDS SMOOTH.
(3)	CONCRETE FOOTING

NOTE:
SIGN SHALL BE LOCATED 3' FROM THE EDGE OF THE PAVEMENT UNLESS SUCH PLACEMENT WOULD OBSTRUCT THE SIDEWALK.

STOP SIGN

KEYNOTES

CODE	DESCRIPTION
(1)	CONCRETE SIDEWALK; 4" THICK; 3500 PSI CONCRETE; CROSS SLOPE 2% MAX., 1% MIN.
(2)	BROOM FINISH
(3)	CONTROL JOINTS 5' O.C.; EXPANSION JOINTS 25' O.C. AND WHERE SIDEWALKS ABUT RIGID MATERIALS
(4)	CONCRETE REINFORCEMENT; 6"x6"xW2.9xW2.9 W.W.F.; GRADE 60 STEEL
(5)	TOPSOIL; PLACE WITHIN 1/2" OF WALKWAY SURFACE
(6)	4" MINERAL AGGREGATE BASE
(7)	ASPHALT PAVEMENT (REFER TO DETAIL)

CONCRETE SIDEWALK

KEYNOTES

CODE	DESCRIPTION
(1)	CONCRETE SIDEWALK
(2)	BROOM FINISH
(3)	1/2" HAND-GROOVED JOINT
(4)	TOOLED EDGE; 1/2" RADIUS (TYP.)
(5)	CONCRETE REINFORCEMENT; 6"x6"xW2.9xW2.9 W.W.F.; GRADE 60 STEEL
(6)	POLYURETHANE SELANT
(7)	1/2" PREMOULDED EXPANSION JOINT MATERIAL
(8)	MINERAL AGGREGATE BASE (TYP.)

SIDEWALK JOINTS

KEYNOTES

CODE	DESCRIPTION
(1)	PEDESTRIAN CROSSWALK SIGN (30" X 30")
(2)	2" SQUARE GALVANIZED STEEL TUBE, PROVIDE WELDED CAP AT TOP AND GRIND WELDS SMOOTH.
(3)	CONCRETE FOOTING

NOTE:
SIGN SHALL BE LOCATED 3' FROM THE EDGE OF THE PAVEMENT UNLESS SUCH PLACEMENT WOULD OBSTRUCT THE SIDEWALK.

KEYNOTES

CODE	DESCRIPTION
(1)	PEDESTRIAN CROSSWALK; MARKINGS SHALL BE SOLID WHITE PAINTED ON ASPHALT; PAINT 12" WIDE STRIPES AS INDICATED WITH PORTER "TRAFFIC WHITE" PAINT OR APPROVED EQUAL; CROSSWALK SHALL BE IN COMPLIANCE WITH ADAAG 403.3.
(2)	FACE OF CURB
(3)	ACCESSIBLE RAMP; SEE DETAIL
(4)	MAX. 2% CROSS SLOPE; MAX. 5% RUNNING SLOPE (TYP.)

PEDESTRIAN CROSSWALK

KEYNOTES

CODE	DESCRIPTION
(1)	4" CONCRETE WALK REINFORCED WITH 6" x 6" x W2.9 x W2.9 W.W.F. USE 8" CONCRETE THICKNESS WHERE HS-20-44 LOADING IS REQUIRED (SEE PLANS).
(2)	1/2" EXPANSION JOINT
(3)	NO. 4 DOWELS 12" APART GREASE HALF OF DOWEL.
(4)	4" MINERAL AGGREGATE. USE 6" AGGREGATE BASE WHERE HS-20-44 LOADING IS REQUIRED (SEE PLANS).
(5)	POST CURB; REFER TO DETAIL
(6)	PAVEMENT; REFER TO DETAIL

NOTE:
1. USE 3500 PSI CONCRETE AND ASTM GRADE 60 STEEL.
2. PROVIDE CONTROL JOINTS 5' APART AND EXPANSION JOINTS 25' APART AND WHERE SIDEWALK ABUTS RIGID MATERIAL.

SIDEWALK AT POST CURB

KEYNOTES

CODE	DESCRIPTION
(1)	CONCRETE REINFORCEMENT; TWO, NO. 2 BARS
(2)	CONCRETE REINFORCEMENT; FOUR, NO. 4 BARS
(3)	CONCRETE REINFORCEMENT; NO. 4 BARS AT 12" O.C. EACH WAY IN FLOOR AND WALLS
(4)	SLOPE APRON TO DRAIN

NOTE:
CHAMFER ON ALL EXPOSED EDGES

TABLE OF DIMENSIONS

SIZE	4'	6'	8'	10'
A	32"	48"	72"	96"
B	48"	72"	96"	120"
C	30"	44"	50"	56"
D	25"	36"	52"	66"
E	24"	36"	59"	83"
F	N/A	8"	8"	8"

MAX. OPG. 18" 26" 40"
WT. (LB.) 1090 3130 5625 8575
* 0" ON 4" WINGED HEADWALL

WINGED HEADWALL

KEYNOTES

CODE	DESCRIPTION
(1)	CONCRETE; 3500 PSI
(2)	NO. 4 BAR, CONTINUOUS; (2 TYP.)
(3)	FINISHED PAVEMENT GRADE

CONCRETE POST CURB

KEYNOTES

CODE	DESCRIPTION
(1)	CONCRETE REINFORCEMENT; TWO, NO. 2 BARS
(2)	CONCRETE REINFORCEMENT; FOUR, NO. 4 BARS
(3)	CONCRETE REINFORCEMENT; NO. 4 BARS AT 12" O.C. EACH WAY IN FLOOR AND WALLS
(4)	SLOPE APRON TO DRAIN

NOTE:
CHAMFER ON ALL EXPOSED EDGES

TABLE OF DIMENSIONS

SIZE	4'	6'	8'	10'
A	32"	48"	72"	96"
B	48"	72"	96"	120"
C	30"	44"	50"	56"
D	25"	36"	52"	66"
E	24"	36"	59"	83"
F	N/A	8"	8"	8"

MAX. OPG. 18" 26" 40"
WT. (LB.) 1090 3130 5625 8575
* 0" ON 4" WINGED HEADWALL

WINGED HEADWALL

KEYNOTES

CODE	DESCRIPTION
(2)	PREFABRICATED CAP
(1)	6" x 6" x 6" STEEL PIPE BOLLARD FILLED WITH CONCRETE. PRIME WITH SUITABLE PRIMER AND PAINT IN A COLOR TO BE SELECTED BY THE ARCHITECT.
(3)	1" CROWN
(4)	1/2" EXPANSION JOINT MATERIAL, AASHTO M-33, WHERE PLACED IN A RIGID PAVEMENT AREA.
(5)	3500 PSI CONCRETE
(6)	F.G.

NOTE:
THE PRIMER AND FIRST COAT OF PAINT SHALL BE APPLIED BEFORE INSTALLATION. A SECOND COAT OF PAINT SHALL BE APPLIED AFTER INSTALLATION.

STEEL BOLLARD WITH CAP

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Development Services Department
Lee's Summit, Missouri

02/18/2026

Devenney
GROUP

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2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

REVISIONS

DATE: 2025/07/25
SCALE: AP
DRAWN: WB
REVIEWED: 6406.24
JOB NUMBER:

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816-282-5000

CONSTRUCTION DOCUMENTS
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LEE'S SUMMIT, MO 64063
JACKSON COUNTY

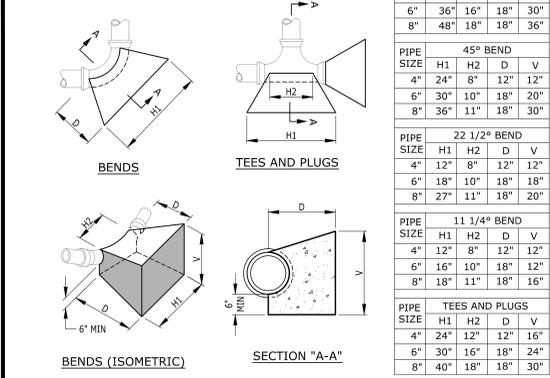
NO.	DATE	DESCRIPTION
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07/25/2025	DESIGN COORDINATION	
2025/02/06	DESIGN COORDINATION	
2025/02/06	CITY - 2ND REVIEW	

DRAWING TITLE
SITE DETAILS

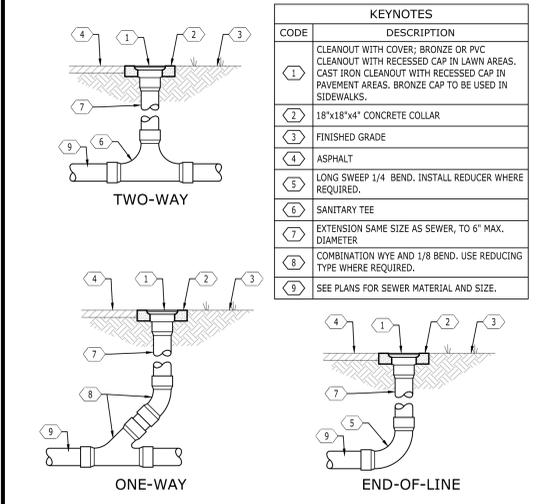
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DRAWING NUMBER: **C8.1**

C8.1

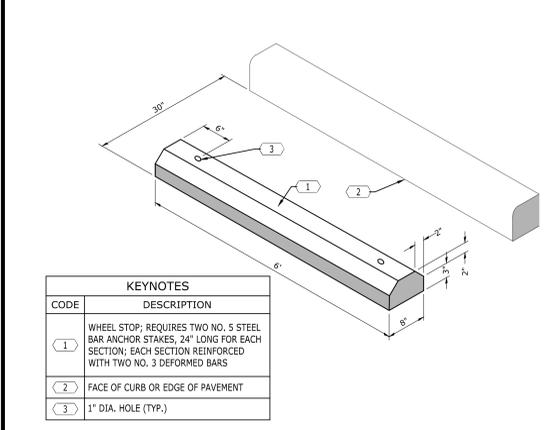
NOTE:
DIMENSIONS ARE BASED ON A SOIL BEARING CAPACITY OF 1000 PSF AND WATER PRESSURE OF 150 PSI (100 PSI + 50% FOR WATER HAMMER).



6 **THRUST BLOCKING**
NOT TO SCALE

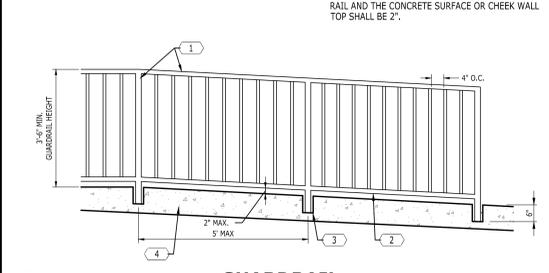
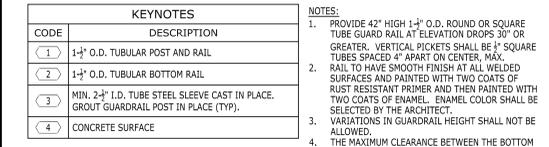


7 **CLEANOUTS**
NOT TO SCALE

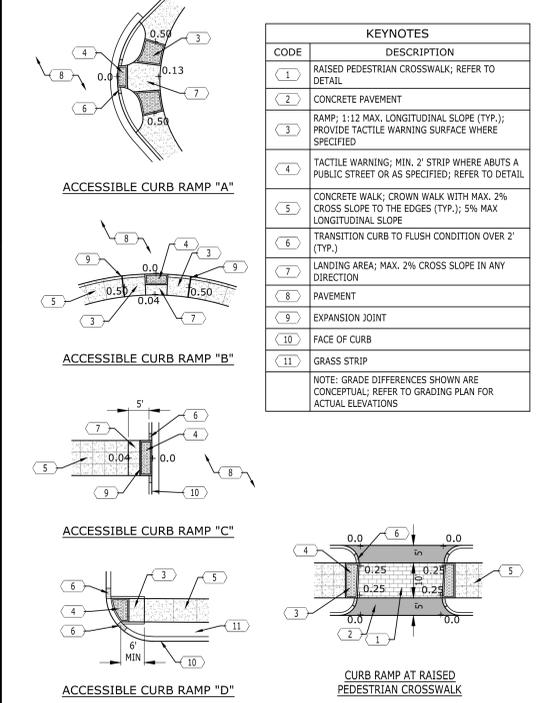


8 **PRECAST CONCRETE WHEEL STOP**
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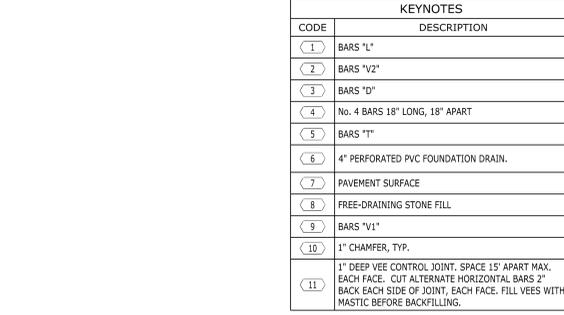
5 **RESERVED**
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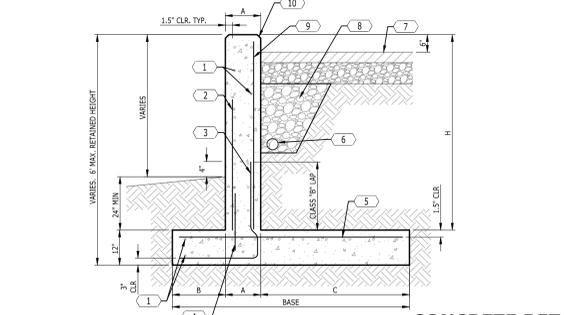
4 **GUARDRAIL**
NOT TO SCALE



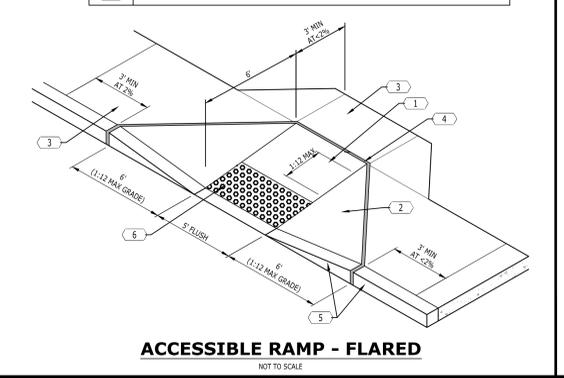
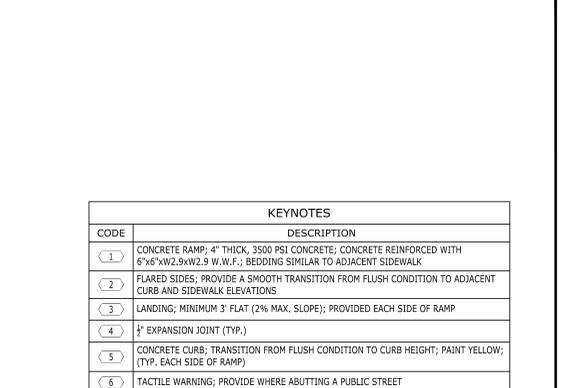
3 **ACCESSIBLE CURB RAMPS**
NOT TO SCALE



RETAINING WALL SCHEDULE		BAR SIZE AND SPACING							
"H"	BASE	"B"	"A"	"C"	"V1"	"V2"	"D"	"L"	"T"
0'-6"	4'-9"	1'-3"	10"	2'-8"	No. 4 AT 10"	No. 4 AT 18"	No. 4 AT 10"	No. 4 AT 10"	No. 4 AT 10"



1 **CONCRETE RETAINING WALL**
NOT TO SCALE



2 **ACCESSIBLE RAMP - FLARED**
NOT TO SCALE

KEYNOTES

CODE	DESCRIPTION
1	1" CHAMFER, TYP.
2	1" DEEP VEE CONTROL JOINT, SPACE 15' APART MAX. EACH FACE. CUT ALTERNATE HORIZONTAL BARS 2" BACK EACH SIDE OF JOINT, EACH FACE. FILL VEES WITH MASTIC BEFORE BACKFILLING.

NOTES:

- ALL STEEL SHALL BE ASTM GRADE 60 DEFORMED BARS, 15,000 PSI TENSILE STRENGTH.
- ALL CONCRETE SHALL DEVELOP A COMPRESSIVE STRENGTH OF AT LEAST 4000 PSI AT 28 DAYS CURE.



RESERVED
NOT TO SCALE

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Lee's Summit, Missouri
02/18/2026

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STATE OF MISSOURI
JACK J. PARKER
PROFESSIONAL ENGINEER
NUMBER
2010448833
EXPIRES 12/31/2025

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MISSOURI DHS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25
3	ASH-003 - DESIGN COORDINATION	2025/07/21

NO.	DATE	DESCRIPTION
1	10/21/2025	ASH-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
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4	2025/02/06	CITY - 2ND REVIEW

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SITE DETAILS

PROJECT NUMBER
20240037

DRAWING NUMBER
C8.2

DATE: 2025/07/25
SCALE: AP
DRAWN: WB
REVIEWED: AP
JOB NUMBER: 6406.24

SITE DETAILS

C8.2

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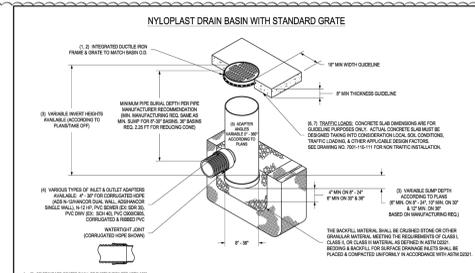
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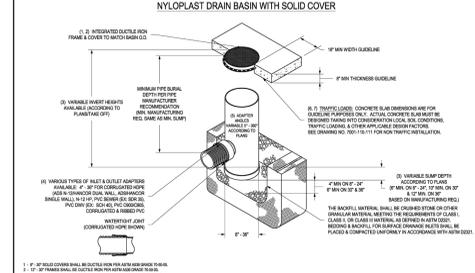
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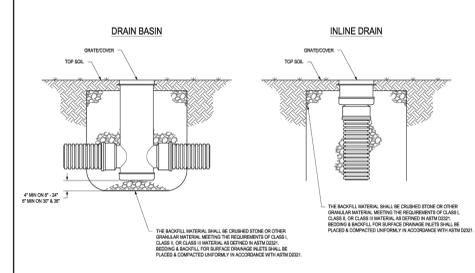
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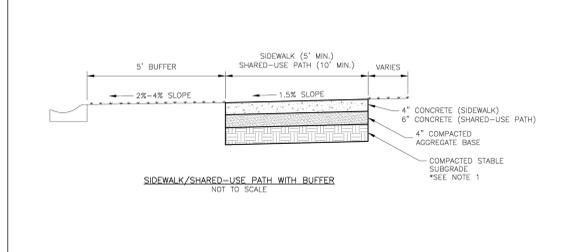
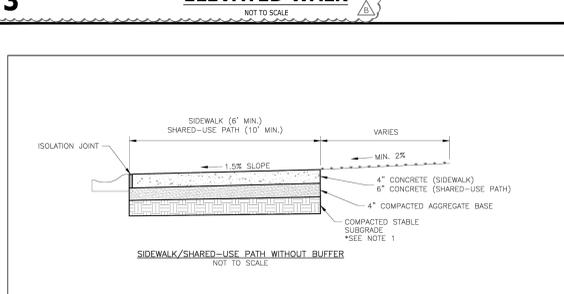
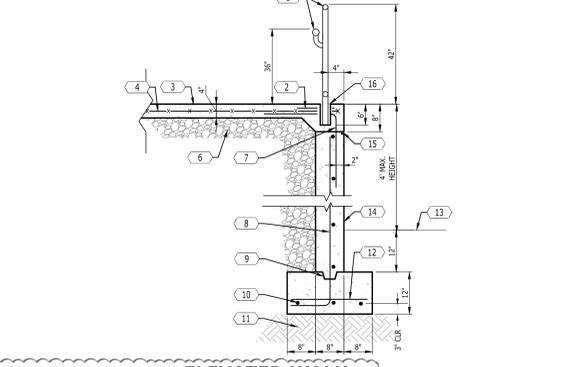
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3	2025/02/06	DESIGN COORDINATION
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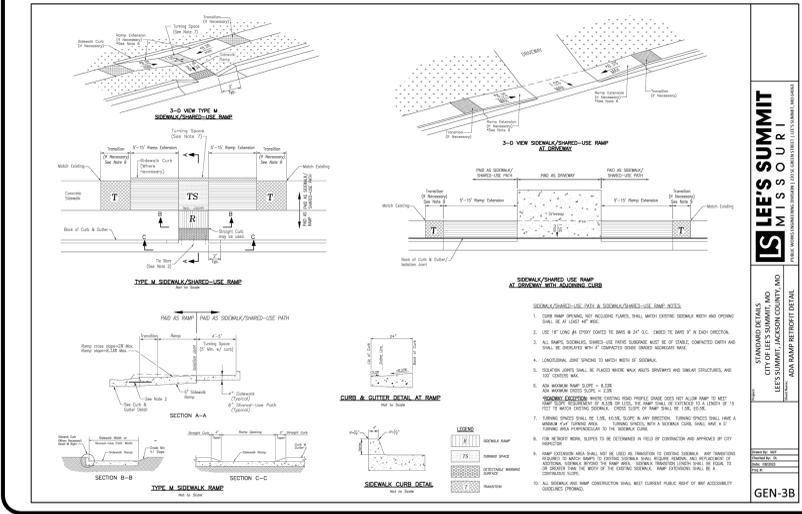
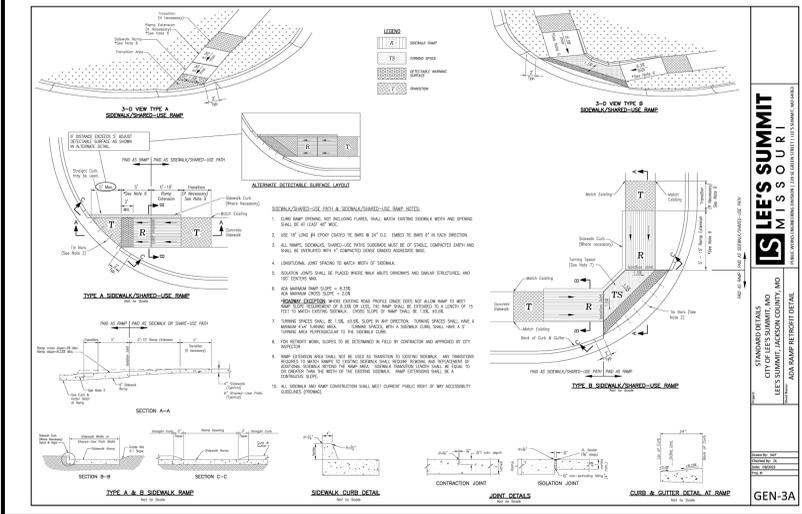
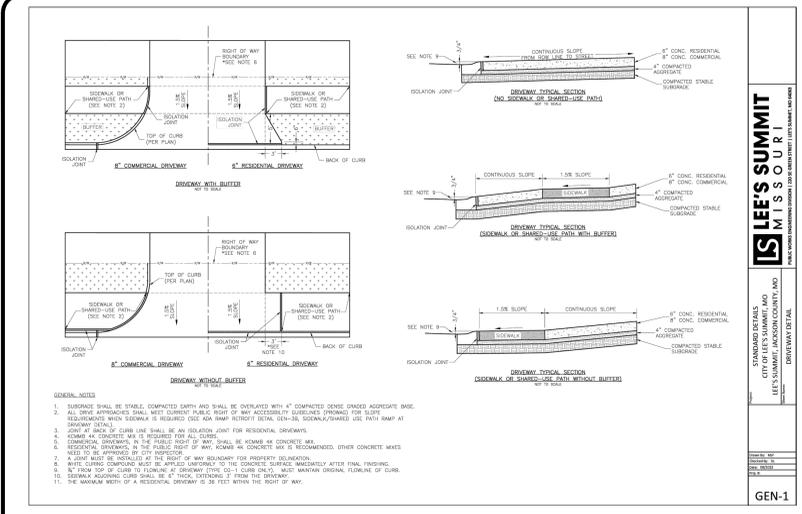
CODE	DESCRIPTION	KEY
1	GUARD RAIL AND HAND RAIL; REFER TO ARCH. & STRUCTURAL DETAILS	2" X 4" KEY
2	12" No. 4 HAIRPIN AT EACH POST	THREE No. 5 BARS, CONT.
3	BROOM FINISH	No. 4 BARS 12" APART
4	6"X6", W2.9 X W2.9 W.W.F.	FINISH GRADE
5	TWO No. 5 BARS	RUBBED FINISH
6	GRANULAR BACKFILL	3/4" X 3/4" REVEAL
7	No. 5 BARS "L", 24" APART; 24" HORIZ., 30" VERT.	2" DIA. SLEEVE IN WALL, GROUT POST IN PLACE.
8	No. 5 BARS 12" APART EACH WAY	USE 3500 PSI CONCRETE AND ASTM GRADE 60 STEEL BARS.



- GENERAL NOTES:**
- SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAIN WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
 - 1.5% CROSS SLOPE MUST BE MAINTAINED THROUGH DRIVEWAYS.
 - NO. 4 HAIRPIN CONCRETE MIX SHALL BE REQUIRED FOR ALL SIDEWALKS/SHARED-USE PATHS.
 - ALL SIDEWALK/SHARED-USE PATHS SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAS).
 - AN ISOLATION JOINT SHALL BE PLACED AT A MAXIMUM OF 100 FT. CONSTRUCTION JOINTS SHALL BE PLACED THE SAME WIDTH OF SIDEWALK/SHARED-USE PATHS, BUT NO GREATER THAN 10 FT.
 - AN ISOLATION JOINT SHALL BE PLACED WHERE THE SIDEWALK/SHARED-USE PATHS MEETS A RESIDENTIAL DRIVEWAY.
 - SHARED-USE PATHS WIDTH SHALL BE 10 FT. WIDE.
 - SIDEWALK/SHARED-USE PATHS FINISHING SHALL BE FULL BROOM FINISH OR AS DIRECTED BY CITY INSPECTOR.
 - WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 229 SE GREEN STREET | LEE'S SUMMIT, MO 64063

GEN-2



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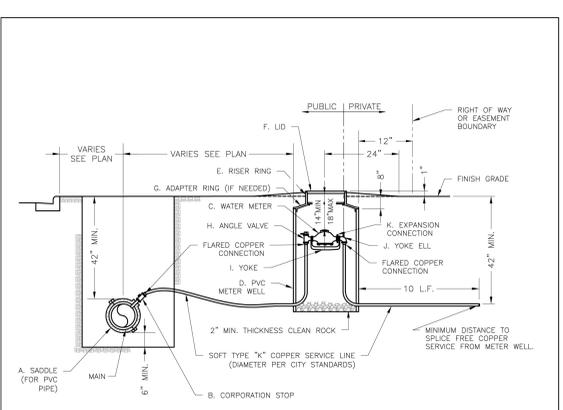
AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
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3	ASH-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE:
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

SITE DETAILS

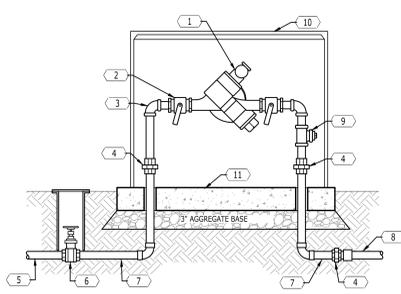
C8.3



- NOTES:
- METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL.
 - IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE OBTAINED.
 - CITY TO FURNISH ITEMS A-K.
 - NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT.
 - 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES.
 - EXCAVATION FOR TAP TO EXPOSE 4 LINEAR FEET OF MAIN.
 - NO SPLICES ALLOWED BETWEEN METER AND MAIN.
 - SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES.
 - LID AND RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL.
 - CONTACT WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2"

LS	LEE'S SUMMIT MISSOURI	Date: 08/2023
	PUBLIC WORKS ENGINEERING DIVISION 2305 SE GREEN STREET LEE'S SUMMIT, MO 64063	Drawn By: MJP Checked By: KLY
SERVICE CONNECTION WITH METER WELL		WAT-11

KEYNOTES	
CODE	DESCRIPTION
1	1" RPZ BACKFLOW PREVENTER, WILKINS 975XL OR APPROVED EQUAL. COORDINATE WITH UTILITY PROVIDER FOR APPROVAL.
2	1" BALL VALVE (TYP)
3	1" ELL (TYP)
4	1" BRONZE UNION
5	1" COPPER FROM IRRIGATION METER
6	1" ISOLATION VALVE (GATE OR BALL TYPE, BRASS OR BRONZE), WITH VALVE BOX AND LID.
7	1" RIGID COPPER
8	1" PVC TO THE IRRIGATION SYSTEM.
9	1" TEE WITH REDUCER AND PLUG (FOR COMPRESSED AIR CLEARING IRRIGATION LINES)
10	INSULATED COVER, SAFE-T-COVER MODEL 100S-AL OR APPROVED EQUAL. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE ORDERING.
11	4" CONC. PAD



1" IRRIGATION BACKFLOW PREVENTER
NOT TO SCALE

DRAWING TITLE	
SITE DETAILS	
PROJECT NUMBER	20240037
DRAWING NUMBER	C8.3

NO.	DATE	DESCRIPTION
1	10/21/2025	ASH-003 - DESIGN COORDINATION
2	07/25/2025	DESIGN COORDINATION
3	2025/02/06	DESIGN COORDINATION
4	2025/02/06	CITY - 2ND REVIEW

CONSTRUCTION DOCUMENTS
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHERMANOAH DRIVE
LEE'S SUMMIT, MO 64063
JACKSON COUNTY

LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063
816-282-5000



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Devenney
GRO P

Devenney Group Ltd., Architects

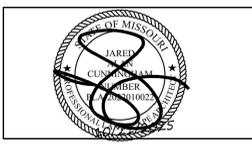
6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251

T: 602.943.8950
www.devenneygroup.com

Consultant:

Catalyst
DESIGN GROUP

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MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
2	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:40
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

OVERALL LANDSCAPE PLAN

L1.0

LANDSCAPE KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
L1	PLANTING BED LIMITS	1 / L2.0
L2	IRRIGATION LIMITS	NOTES / L2.0
L3	AREA TO BE SEEDED	
L4	AREA TO BE SODDED	
L5	AREA TO BE 4'-6" RIVER ROCK	

LEGEND	
PARKING AREA	[Symbol]
PARKING LOT ISLAND AREA	[Symbol]
PROJECT AREA / LIMITS OF DISTURBANCE	[Symbol]
STORM PIPE & INLET	[Symbol]
PROPOSED CONTOUR ELEV.	[Symbol]
LIMITS OF IRRIGATION	[Symbol]

LANDSCAPING REQUIREMENTS

SEC. 8.790.A - STREET FRONTAGE
1 TREE / 30 L.F. STREET FRONTAGE
130 L.F. STREET FRONTAGE / 30 = 05 TREES REQ.
05 TREES PROVIDED

SEC. 8.790.B - OPEN YARDS
2 SHRUBS / 5,000 S.F. OF TOTAL LOT AREA
98,405 S.F. PROJECT LOT AREA / 5,000 x 2 = 40 SHRUBS REQ.
43 SHRUBS PROVIDED

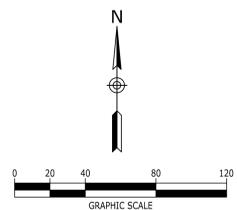
8.810 PARKING LOT TREES
5% OF PARKING AREA LANDSCAPE AREA
26,617 S.F. PARKING LOT x .05 = 1,330 S.F. LANDSCAPE ISLANDS REQ.
1,545 S.F. LANDSCAPE ISLANDS PROVIDED

8.820 PARKING LOT SCREENING
12 SHRUBS / 40 L.F. REQUIRED FROM R.O.W.
107 L.F. / 40 x 12 = 33 SHRUBS REQ.
40 SHRUBS PROVIDED



PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	
TREES							
[Symbol]	QAB	5	Quercus alba / White Oak	B&B	2.5"	12-14'	
[Symbol]	OP	8	Quercus phellos / Willow Oak	B&B	2.5"	12-14'	
SHRUBS							
[Symbol]	DG	23	Deutzia gracilis / Slender Deutzia	#3		18-24"	
[Symbol]	ICBN	40	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly	#3		18-21"	
[Symbol]	PLO	23	Prunus laurocerasus 'Otto Luyken' / Otto Luyken English Laurel	#7		18-21"	
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPACING
SHRUB AREAS							
[Symbol]	JHW	114	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper	#1			48" o.c.
GROUND COVERS							
[Symbol]	FR	10,914 sf	Festuca rubra / Red Fescue	Sod			
[Symbol]	HX	34	Helleborus x / Hybrid Hellebore / Lenten Rose	#1			18" o.c.
[Symbol]	VMB	128	Vinca minor 'Bowles' / Bowles Periwinkle	#1			18" o.c.



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NO.	DATE	DESCRIPTION
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3	2025/07/06	DESIGN COORDINATION
4	2025/02/06	CITY - 2ND REVIEW

DRAWING TITLE
OVERALL LANDSCAPE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
L1.0

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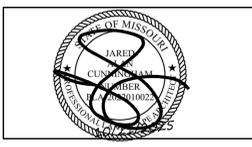
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MISSOURI DHS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
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3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
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DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETAILED
LANDSCAPE PLAN

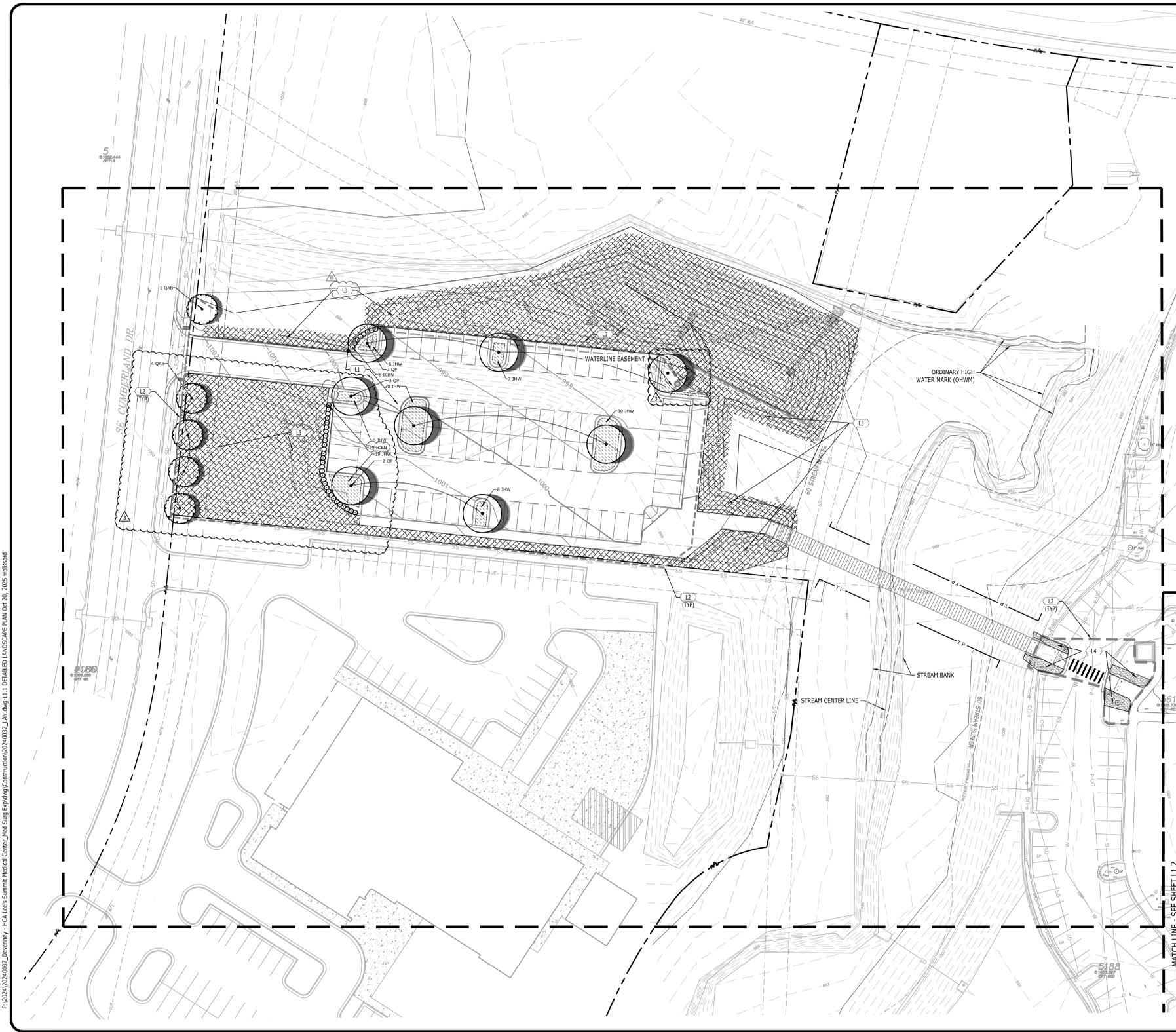
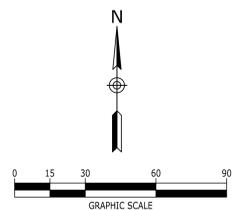
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LANDSCAPE KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
L1	PLANTING BED LIMITS	1 / L2.0
L2	IRRIGATION LIMITS	NOTES / L2.0
L3	AREA TO BE SEEDED	
L4	AREA TO BE SODDED	
L5	AREA TO BE 4"-6" RIVER ROCK	

LEGEND	
LIMITS OF IRRIGATION	
STORM PIPE & INLET	
PROPOSED CONTOUR ELEV.	90
AREA TO BE SEEDED	

PLANT SCHEDULE		
SYMBOL	CODE	BOTANICAL / COMMON NAME
TREES		
	QAB	Quercus alba / White Oak
	QP	Quercus phellos / Willow Oak
SHRUBS		
	DG	Deutzia gracilis / Slender Deutzia
	ICBN	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly
	PLO	Prunus laurocerasus 'Otto Luyken' / Otto Luyken English Laurel
SHRUB AREAS		
	JHW	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper
GROUND COVERS		
	FR	Festuca rubra / Red Fescue
	HX	Helleborus x / Hybrid Hellebore / Lenten Rose
	VMB	Vinca minor 'Bowles' / Bowles Periwinkle

SEE L1.0 FOR PLANT SIZES AND QUANTITIES



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NO.	DATE	DESCRIPTION
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3	2025/07/06	DESIGN COORDINATION
4	2025/02/06	CITY - 2ND REVIEW

DRAWING TITLE
**DETAILED
LANDSCAPE PLAN**

PROJECT NUMBER
20240037

DRAWING NUMBER
L1.1

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CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
A	CITY - 2ND REVIEW	2025/02/06
B	DESIGN COORDINATION	2025/02/06
Z	DESIGN COORDINATION	2025/07/25
3	ASI-003 - DESIGN COORDINATION	2025/10/21

DATE: 2025/07/25
SCALE: 1:20
DRAWN: AP
REVIEWED: WB
JOB NUMBER: 6406.24

DETAILED
LANDSCAPE PLAN

L1.2

LANDSCAPE KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
L1	PLANTING BED LIMITS	1 / L2.0
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L4	AREA TO BE SODDED	
L5	AREA TO BE 4'-6" RIVER ROCK	

LEGEND	
LIMITS OF IRRIGATION	
STORM PIPE & INLET	
PROPOSED CONTOUR ELEV.	

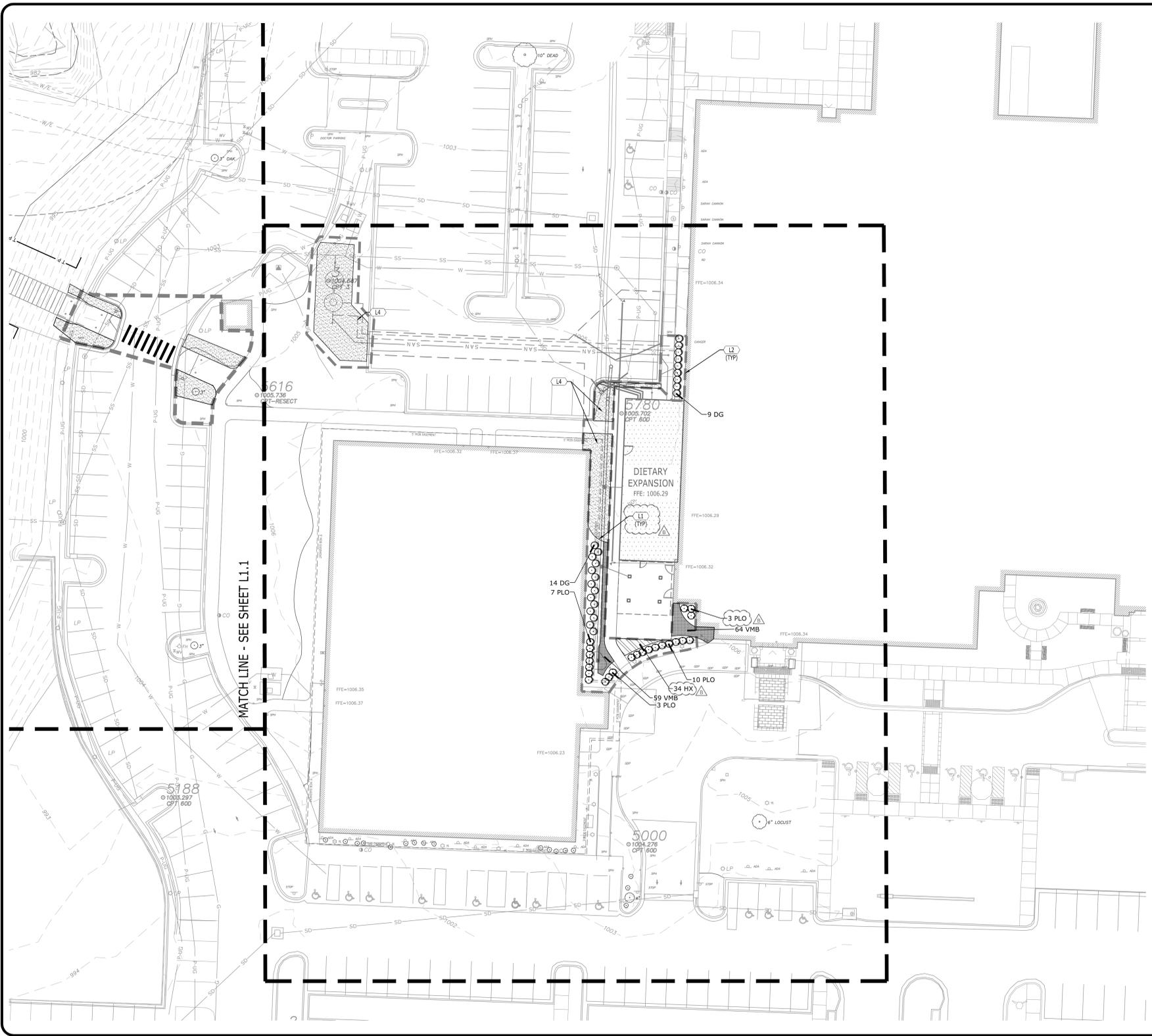
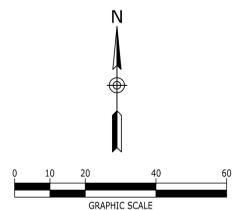
PLANT SCHEDULE

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	ICBN	Ilex cornuta 'Burfordii Nana' / Dwarf Burford Holly
	PLO	Prunus laurocerasus 'Otto Luyken' / Otto Luyken English Laurel
SHRUB AREAS		
	JHW	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper
GROUND COVERS		
	FR	Festuca rubra / Red Fescue
	HX	Helleborus x / Hybrid Hellebore / Lenten Rose
	VMB	Vinca minor 'Bowles' / Bowles Periwinkle

SEE L1.0 FOR PLANT SIZES AND QUANTITIES



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JACKSON COUNTY

NO.	DATE	DESCRIPTION
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4	2025/02/06	CITY - 2ND REVIEW

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**DETAILED
LANDSCAPE PLAN**
PROJECT NUMBER
20240037
DRAWING NUMBER
L1.2

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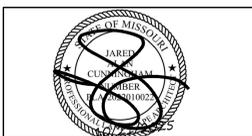
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2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT. MISSOURI DHS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

REV #	DESCRIPTION	DATE
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B	DESIGN COORDINATION	2025/02/06
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NO.	DATE	DESCRIPTION
10/21/2025	ASI-003 - DESIGN COORDINATION	
07/25/2025	DESIGN COORDINATION	
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2025/02/06	CITY - 2ND REVIEW	

DATE: 2025/07/25
SCALE: AP
DRAWN: WB
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LANDSCAPE DETAILS

L2.0

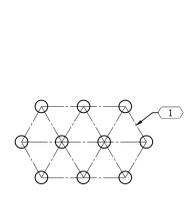
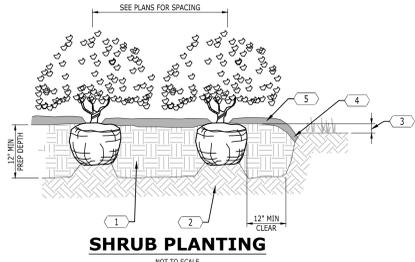
- PLANTING NOTES**
- BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY LOVELACE & ASSOCIATES, LLC DATED 05/01/2024. CATALYST DESIGN GROUP AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
 - IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO CONFIRM ALL MATERIAL QUANTITIES. IN THE EVENT OF A DISCREPANCY, THE QUANTITIES SHOWN ON THE PLAN SHALL TAKE PRECEDENCE OVER THE MATERIAL SCHEDULE.
 - NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
 - ALL PLANTING BEDS TO RECEIVE "CHANCELLOR" HARDWOOD MULCH. MULCH TO BE INSTALLED TO 3" DEPTH UNLESS OTHERWISE INDICATED ON THE PLANTING DETAILS.
 - NEW TREE PLANTINGS TO BE STAKED PER PLANTING DETAILS
 - DIMENSIONS LISTED FOR HEIGHTS, SPREAD AND TRUNK SPECIFICATIONS ON THE PLANT MATERIAL SCHEDULE ARE GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT.
 - PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IMMEDIATELY PRIOR TO PLACEMENT OF MULCH FOR WEED CONTROL.
 - ALL DISTURBED AREAS OF THE SITE ARE TO BE SEEDED AND/OR SOODED IN ACCORDANCE WITH THE SPECIFICATIONS.
 - NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OVERNIGHT.
 - THE LANDSCAPE CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS, LICENSES, ETC. AND SHALL GIVE ALL NOTICES AND COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, CODES, RULES AND REGULATIONS DURING THE COURSE OF THE INSTALLATION OF THIS PROJECT.
 - ALL PLANT MATERIALS TO BE NURSERY GROWN AND TO COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK FOR SIZE AND QUALITY.
 - THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL OR ANY DEFECTIVE WORKMANSHIP.
 - ALL PLANTS SHALL HAVE A WELL-FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNHARMED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
 - MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY PERCENT (50%) OF THIS YEARS VERTICAL GROWTH (TOP CANDLE).
 - THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER PRIOR TO OPENING ANY PLANT PITS.
 - IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL FILL THE BOTTOM OF SELECTED HOLES WITH SIX INCHES OF WATER. THIS WATER SHOULD PERCOLATE OUT WITHIN A 24-HOUR PERIOD. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTING. IF THE SOIL AT A GIVEN AREA DOES NOT DRAIN PROPERLY, A P V C DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTING RELOCATED.
 - SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR OTHER SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PAN, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS, OTHERWISE THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
 - NO MATERIAL SHALL BE PLANTED BEFORE FINISH GRADING HAS BEEN COMPLETED.
 - EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION. IN ACCORDANCE WITH THE TREE PRESERVATION NOTES AND DETAILS ON THE LANDSCAPE PLAN.
 - SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
 - PLANTS IDENTIFIED IN ALTERNATE AREAS ARE TO BE BID SEPARATELY.
 - ALL BEDS ARE TO BE TILLED TO A DEPTH OF 8" WITH THE ADDITION OF: (1) 6 CU. FT. BALE OR SPHAGNUM PEAT MOSS PER 40 SQ. FT. OF BED AREA; (25#) 10-10-10 FERTILIZER PER 1000 SQ. FT. IF AZALEAS, RHODODENDRONS OR PIERIS ARE USED, ADD 1 3 CU. FT. FINELY GROUND "PINE" BARK MULCH PER 25 SQ. FT. OF BED AREA. ALL ADDITIONS ARE TO BE SPREAD AND TILLED INTO THE SOIL UNIFORMLY.
 - CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT WHEN THE PLANT MATERIALS ARE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

- IRRIGATION NOTES**
- LANDSCAPE CONTRACTOR TO PROVIDE IRRIGATION SYSTEM ON A DESIGN/BUILD ARRANGEMENT FOR AREA NOTED ON THE PLAN. CONTRACTOR TO PREPARE DESIGN DRAWINGS IN ACCORDANCE WITH PERFORMANCE SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL AND SUBMIT SAME FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO CONFIRM ADEQUATE PRESSURE EXISTS TO OPERATE SYSTEM PRIOR TO INSTALLATION.
 - IRRIGATION SPRINKLER HEADS SHALL BE MANUFACTURED BY EITHER TORO OR RAINBIRD. IRRIGATION CONTROLLER SHALL BE TORO VISION II MODEL OR APPROVED EQUAL.
 - MAIN LINE TO BE CLASS 200 PVC PIPE. LATERAL LINES TO BE CLASS 150 PVC.
 - IRRIGATION SYSTEM TO BE OPERATIONAL BEFORE PLANTING MATERIALS MAY BE INSTALLED IN PLANTING BEDS.
 - INSTALL SPRINKLER HEADS ACCORDING TO MANUFACTURERS SPECIFICATIONS. FLUSH ALL LINES BEFORE INSTALLING NOZZLES.
 - WIRE CONNECTIONS TO BE MADE BY USING RAINBIRD MODEL ST-103/PT-ST SNAP-TITE CONNECTIONS.
 - LEAVE 18 INCHES OF ADDITIONAL WIRE AT EACH VALVE LOCATION. ROLL WIRE INTO COIL AT EACH LOCATION.
 - ALL VALVES SHALL BE LOCATED IN AMATEX 10 INCH CIRCULAR VALVE BOXES WITH COVER, OR EQUAL.
 - IRRIGATION CONTRACTOR TO COORDINATE PLACEMENT OF REQUIRED SLEEVES WITH GENERAL CONTRACTOR PRIOR TO PAVING AND CONCRETE INSTALLATION BEING COMPLETED.

KEYNOTES	
CODE	DESCRIPTION
1	PLANTING MIX AS SPECIFIED
2	UNDISTURBED SUBGRADE. PROVIDE SUBGRADE PEDESTAL FOR EACH SHRUB INSTALLED, TO AVOID SETTLEMENT.
3	TOP OF ROOT BALL TO BE 1"-2" HIGHER THAN THE ADJACENT GRADE
4	"V" TRENCH AROUND PLANTING BED
5	3" HARDWOOD MULCH LAYER. CLEAR MULCH FROM WOODY SHRUB STEMS TO PREVENT FUNGAL GROWTH AND DECAY.

NOTES

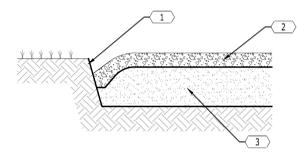
- TAMP PLANTING MIX AS PIT IS FILLED AROUND EACH PLANT BALL
- SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER PLANTING.
- SCARIFY THE ROOT BALL IF ROOT-BOUND IN ITS CONTAINER.
- WHERE SHRUBS APPEAR IN BED AREAS, 3" OF MULCH SHALL BE SPREAD OVER THE ENTIRE AREA WITHIN THE BED EDGE AS INDICATED ON THE PLANS.
- DO NOT PRUNE BEFORE ACCEPTANCE.
- REMOVE BURLAP FROM TOP THIRD OF ROOT BALL OR CAREFULLY REMOVE THE PLASTIC CONTAINER, IF ONE IS USED.
- BACKFILL WITH SOIL MIXTURE AS FOLLOWS: 1 PART COMPOSTED GARDEN SOIL, 1 PART SAND AND 2 PARTS NATIVE TOPSOIL.



KEYNOTES	
CODE	DESCRIPTION
1	ALL GROUNDCOVER BEDS SHALL BE PLANTED USING TRIANGULAR SPACING, UNLESS SHOWN OTHERWISE. REFER TO THE PLANT SCHEDULE FOR SPACING.
2	4" HARDWOOD MULCH LAYER
3	REMOVE PLASTIC POT OR SPLIT PEAT POT
4	PREPARED SOIL MIXTURE: 1 PART ORGANIC GARDEN SOIL, 1 PART SAND, 2 PARTS NATIVE TOPSOIL. THOROUGHLY BLEND SOIL MIXTURE BEFORE PLACING.
5	UNDISTURBED SUBGRADE



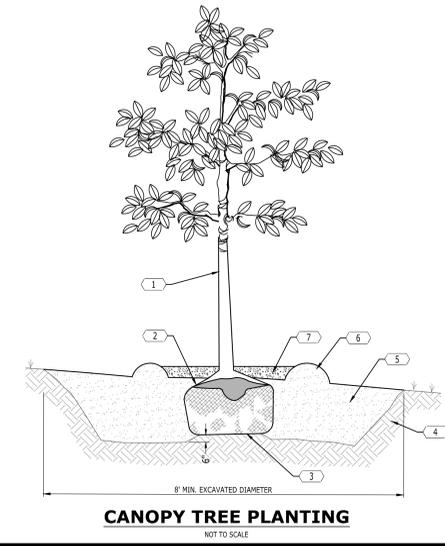
KEYNOTES	
CODE	DESCRIPTION
1	EDGE OF LAWN OR PAVEMENT. REFER TO GRADING PLANS FOR FINISH GRADE ELEVATION.
2	3" DEEP MULCH LAYER
3	BACKFILL WITH SOIL MIXTURE: 1 PART COMPOSTED GARDEN SOIL, 1 PART SAND, 2 PARTS NATIVE TOPSOIL



KEYNOTES	
CODE	DESCRIPTION
1	CLEAR TRUNK TO HEIGHT SPECIFIED
2	FOLD DOWN OR CUT AND REMOVE THE TOP THIRD OF THE BURLAP. REMOVE NON-BIODEGRADABLE WRAP COMPLETELY. REMOVE WIRE BASKET.
3	PLACE ROOT BALL ON UNDISTURBED SOIL
4	UNDISTURBED SUBGRADE
5	BACKFILL EXCAVATION WITH TOP 8" REMOVED DURING PIT EXCAVATION
6	SOIL RING 4" HIGH AROUND TREE. MINIMUM 3' RADIUS AROUND TRUNK.
7	3" DEEP MULCH IN SOIL RING AREA

NOTES:

- SCARIFY THE EDGES OF THE EXCAVATED PIT AND TAKE ALL NECESSARY MEASURES TO ASSURE ADEQUATE DRAINAGE.
- TO ENSURE SUCCESSFUL ESTABLISHMENT OF ALL TREES PLANTED OUTSIDE THE LIMITS OF IRRIGATION EVERY SUCH TREE SHALL BE FITTED WITH A SLOW-RELEASE WATERING SYSTEM SUCH AS "TREEGATOR BAGS" OR AN APPROVED EQUAL.
- AS PART OF THE MAINTENANCE PLAN IT IS RECOMMENDED THAT ALL TREES OUTSIDE THE LIMITS OF IRRIGATION BE WATERED A MAXIMUM OF TWO TIMES PER WEEK DURING DRY SEASONS AND ONE TIME PER WEEK DURING WET SEASONS FOR A MINIMUM OF TWO YEARS FROM THE DATE OF INSTALLATION.
- IT IS THE OWNER'S RESPONSIBILITY TO COORDINATE AND SCHEDULE TREE MAINTENANCE.



P:\2024\20240037-Devenney - HCA Lee's Summit Medical Center_Med Surg Expanding\Construction\20240037-LAN_DET.dwg - L2.0 LANDSCAPE DETAILS Oct 20, 2025 - mhsikand

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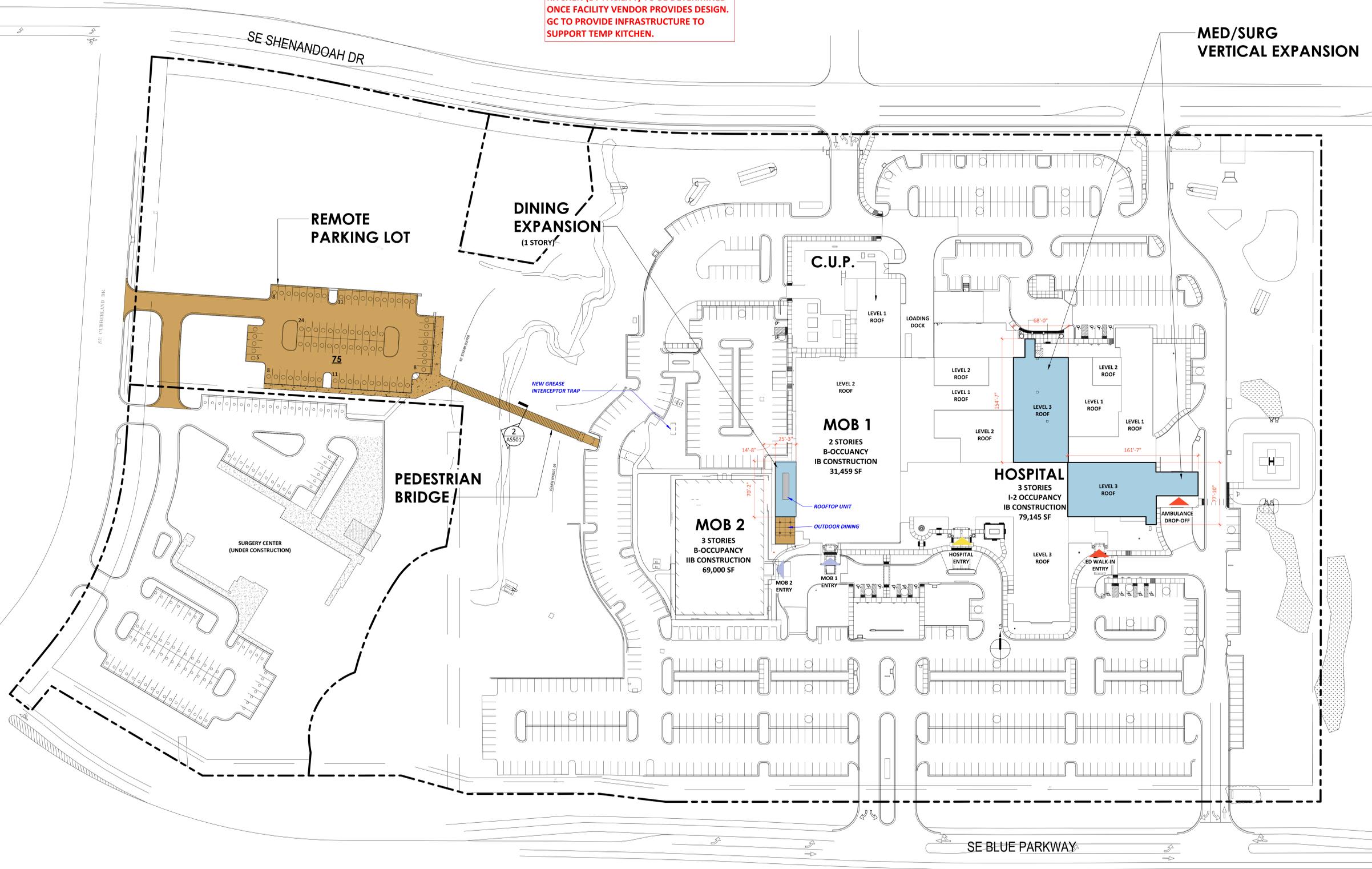


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**REFER TO CIVIL DRAWINGS
 FOR PARKING SUMMARY.**

***NOTE: LOCATION OF TEMPORARY
 KITCHEN (BY FACILITY) TO BE DETERMINED
 ONCE FACILITY VENDOR PROVIDES DESIGN.
 GC TO PROVIDE INFRASTRUCTURE TO
 SUPPORT TEMP KITCHEN.**



**MED/SURG
 VERTICAL EXPANSION**

Consultant:



DATE SIGNED: 12.05.24

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**MED SURG &
 DIETARY
 EXPANSION**

HCA - LEE'S SUMMIT
 MEDICAL CENTER
 2100 SE BLUE PKWY
 LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
 CITY OF LEE'S SUMMIT BUILDING DEPT.
 MISSOURI DHSS

FACILITY NUMBER:
 097240009

AGENCY APPROVALS:
 AGENCY

REVISIONS		
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 DRAWN:
 REVIEWED:
 JOB NUMBER: 6406.24

ARCHITECTURAL SITE PLAN

AS001

1 ARCHITECTURAL SITE PLAN
 1" = 50'-0"

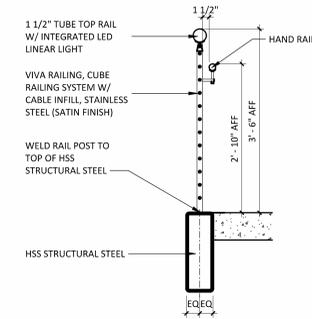
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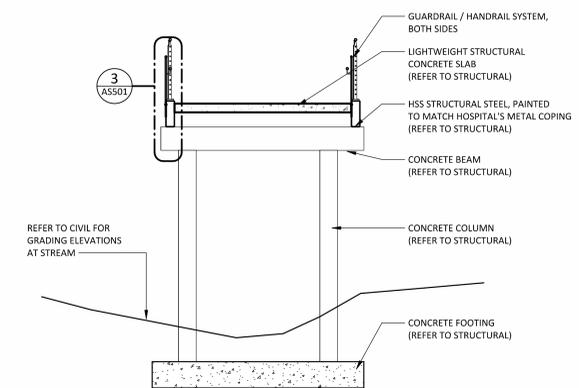
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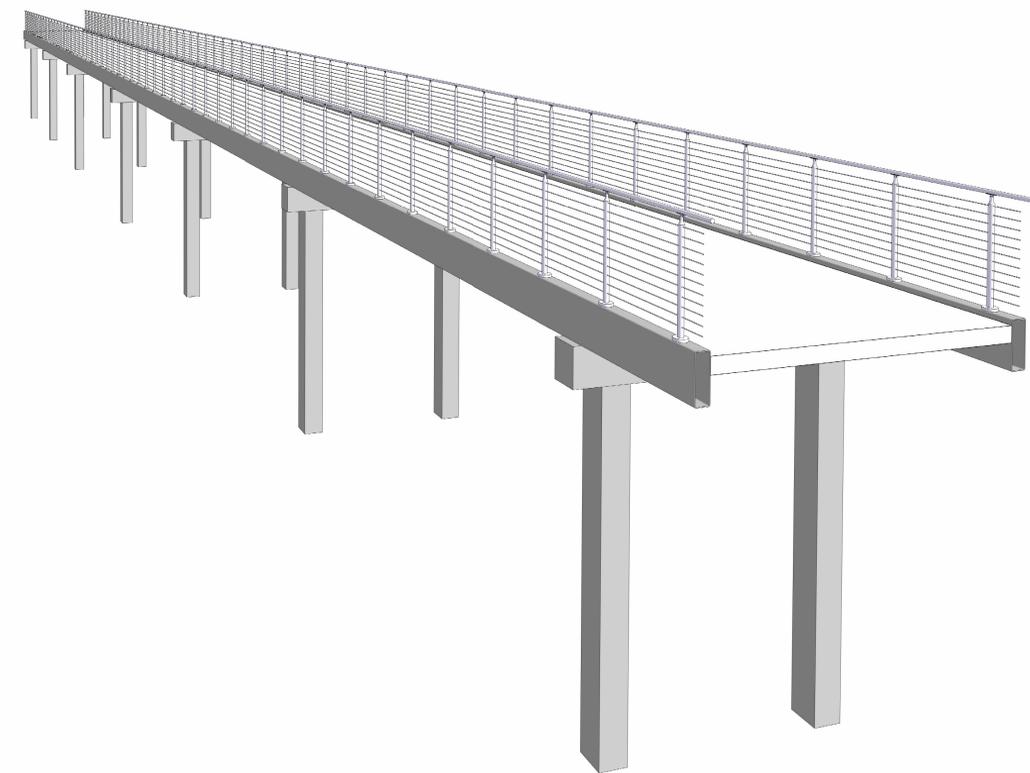
02/18/2026



3 GUARDRAIL/HANDRAIL SECTION AT BRIDGE
3/4" = 1'-0"



2 PEDESTRIAN BRIDGE SECTION
1/4" = 1'-0"



1 PEDESTRIAN BRIDGE



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MED SURG & DIETARY EXPANSION

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LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
097240009

AGENCY APPROVALS:
AGENCY

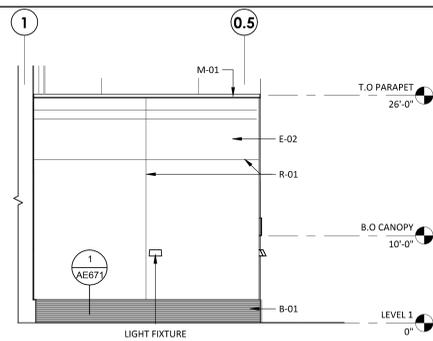
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REV #	DESCRIPTION	DATE

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REVIEWED:
JOB NUMBER: 6406.24

SITE DETAILS

AS501

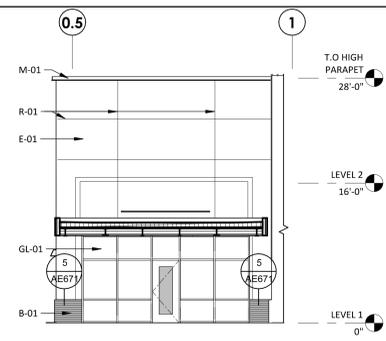
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NORTH ELEVATION - LEVEL 1 -

DIETARY.

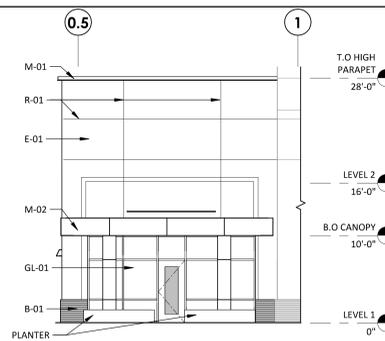
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SOUTH ELEVATION- LEVEL 1 -

DIETARY.

1/8" = 1'-0"



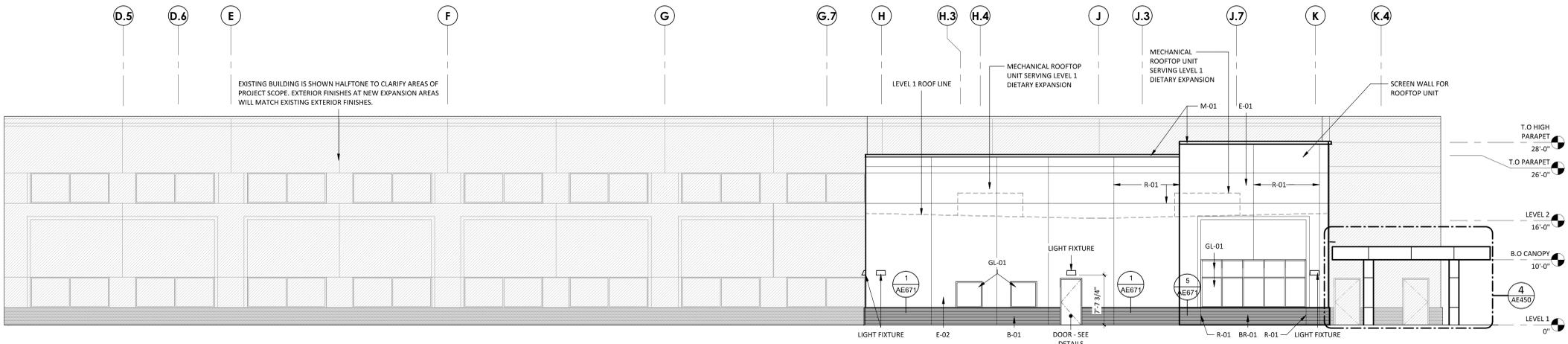
SOUTH ELEVATION- LEVEL 1 -

DIETARY CANOPY.

1/8" = 1'-0"

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MATERIAL LEGEND	
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	M-02 PRODUCT: METAL CANOPY MFR: TBD FINISH: MATCH EXISTING
	R-01 PRODUCT: EIFS REVEAL MFR: TBD FINISH: MATCH EXISTING
	PJ-01 PRODUCT: PRE-FAB EIFS PANEL JOINT MFR: TBD FINISH: MATCH EXISTING
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WEST ELEVATION - LEVEL 1 - DIETARY.

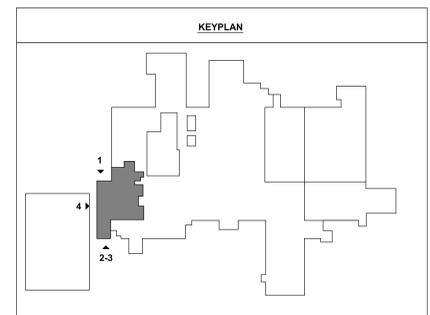
1/8" = 1'-0"



DIETARY EXPANSION - WEST VIEW



OUTDOOR DINING VIEW



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Consultant:

STATE OF MISSOURI
DUDLEY C. CAMPBELL
NUMBER A-2021002949
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MED SURG & DIETARY EXPANSION

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LEE'S SUMMIT, MO 64063

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MISSOURI DHSS

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AGENCY

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EXTERIOR BUILDING ELEVATIONS - DIETARY

AE201

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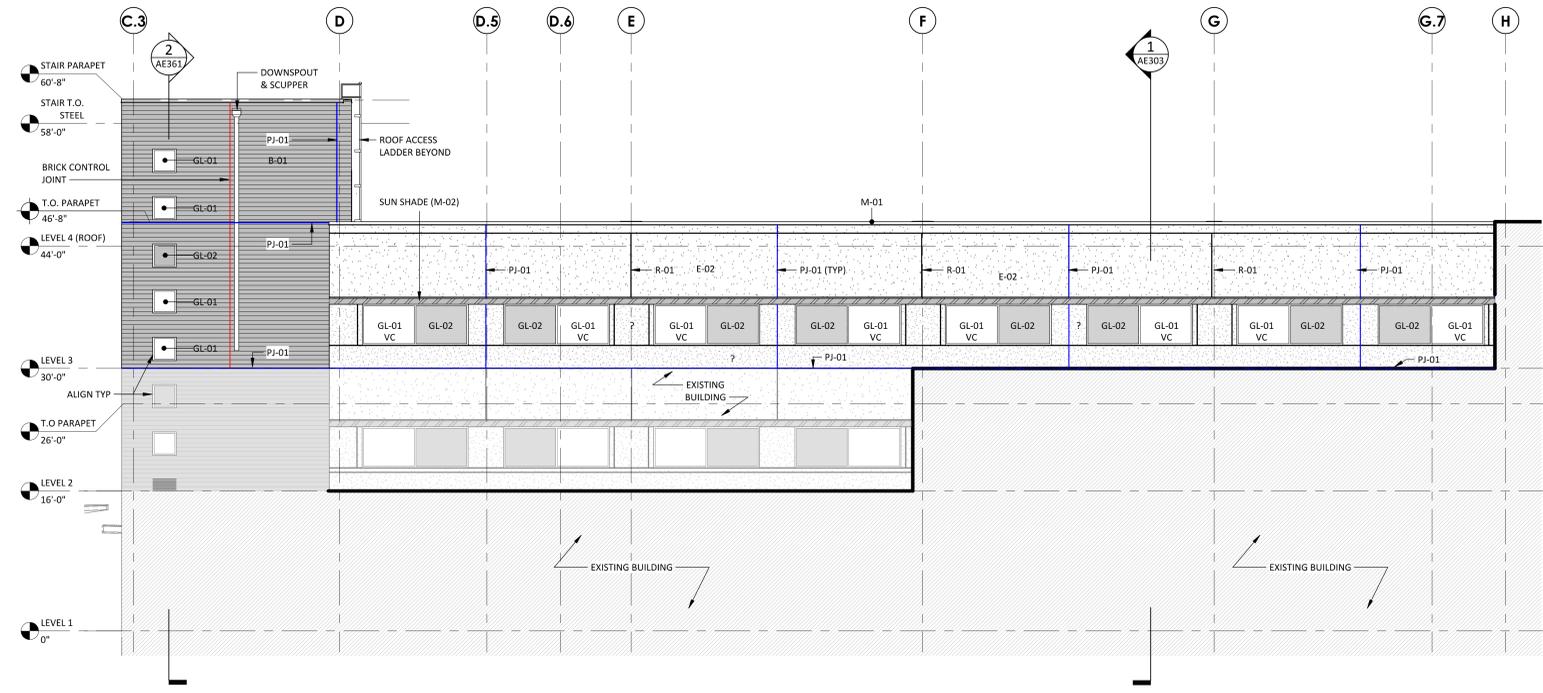
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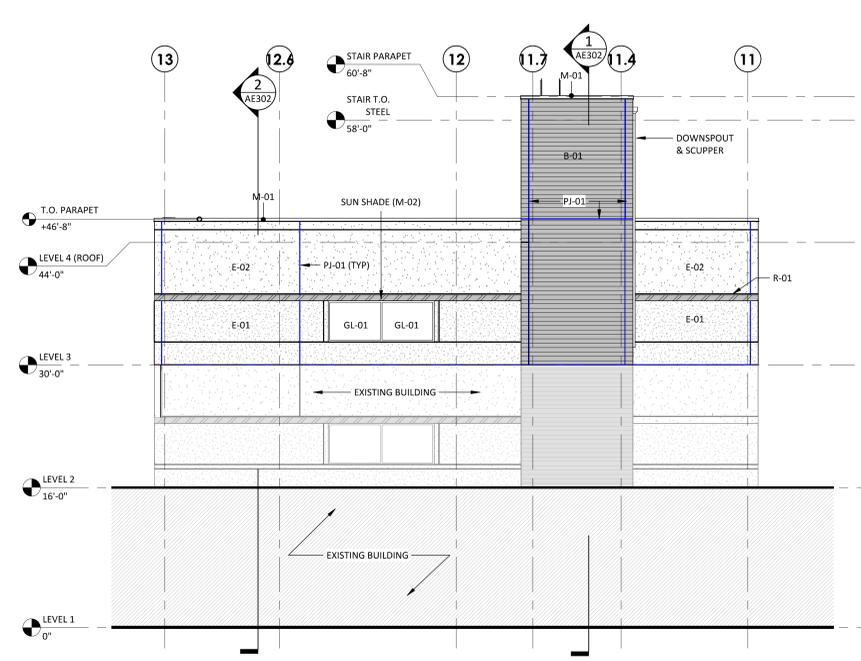
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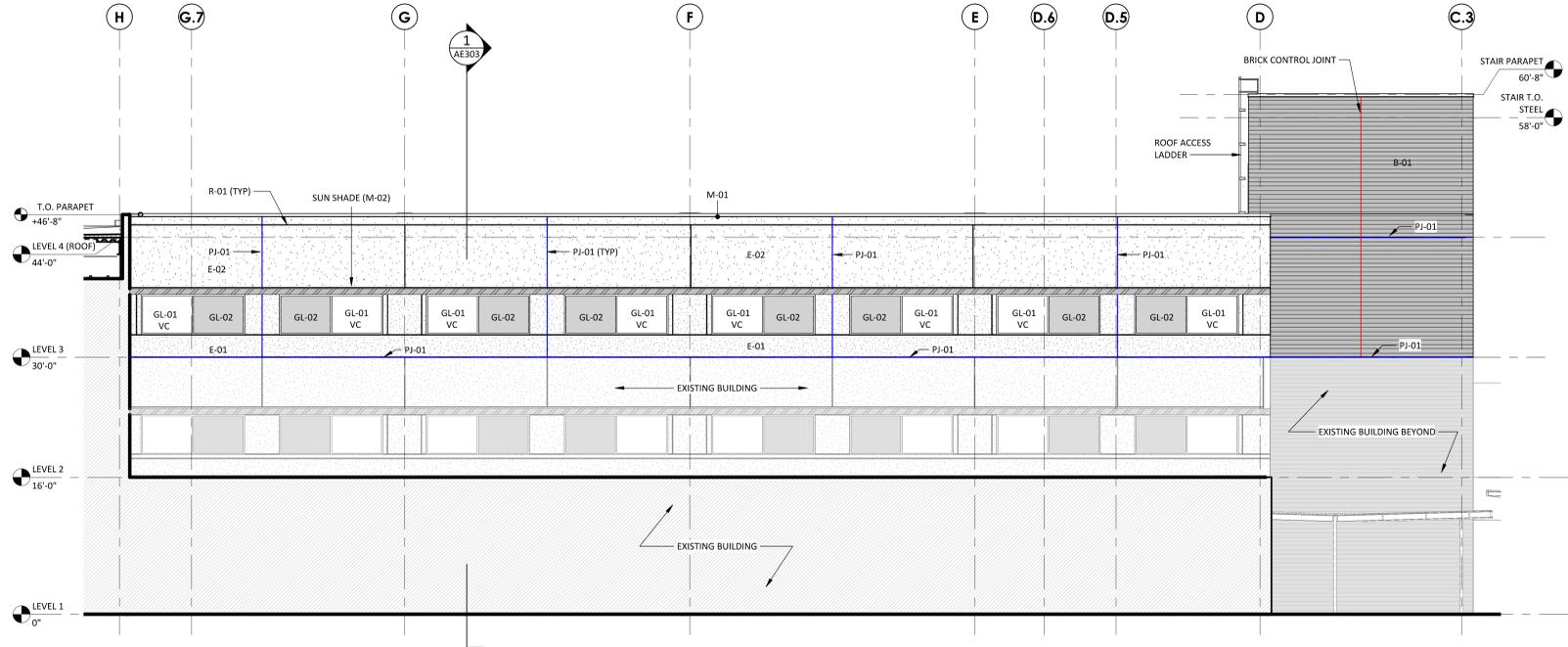
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	R-01	EIFS REVEAL
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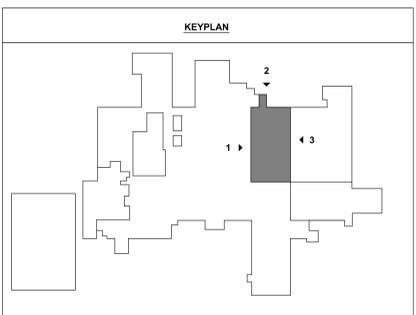
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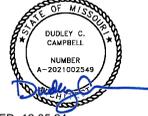


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Consultant:



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MED SURG & DIETARY EXPANSION

HCA - LEE'S SUMMIT MEDICAL CENTER
 2100 SE BLUE PKWY
 LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
 CITY OF LEE'S SUMMIT BUILDING DEPT.
 MISSOURI DHSS

FACILITY NUMBER:
 097240009

AGENCY APPROVALS:
 AGENCY

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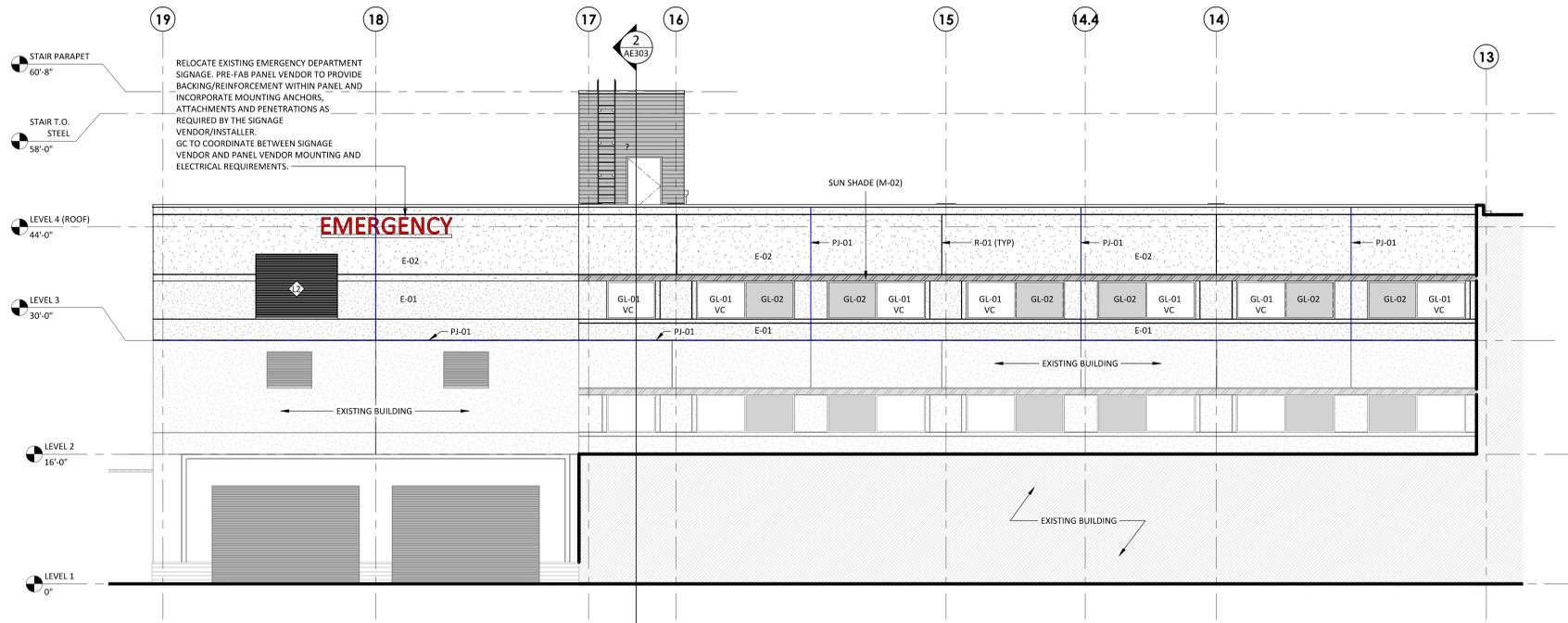
EXTERIOR BUILDING ELEVATIONS - MED/SURG

AE203

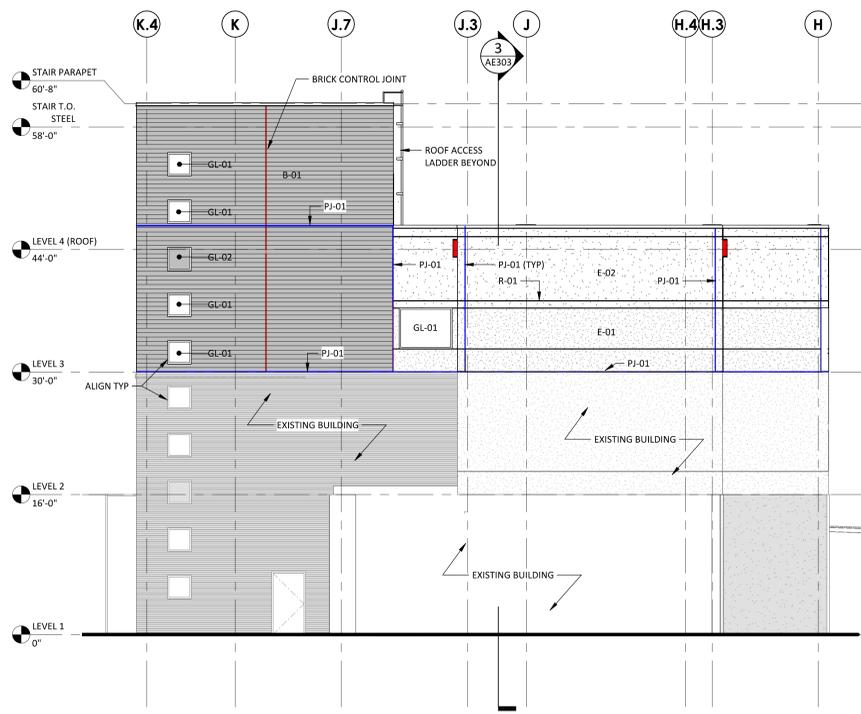
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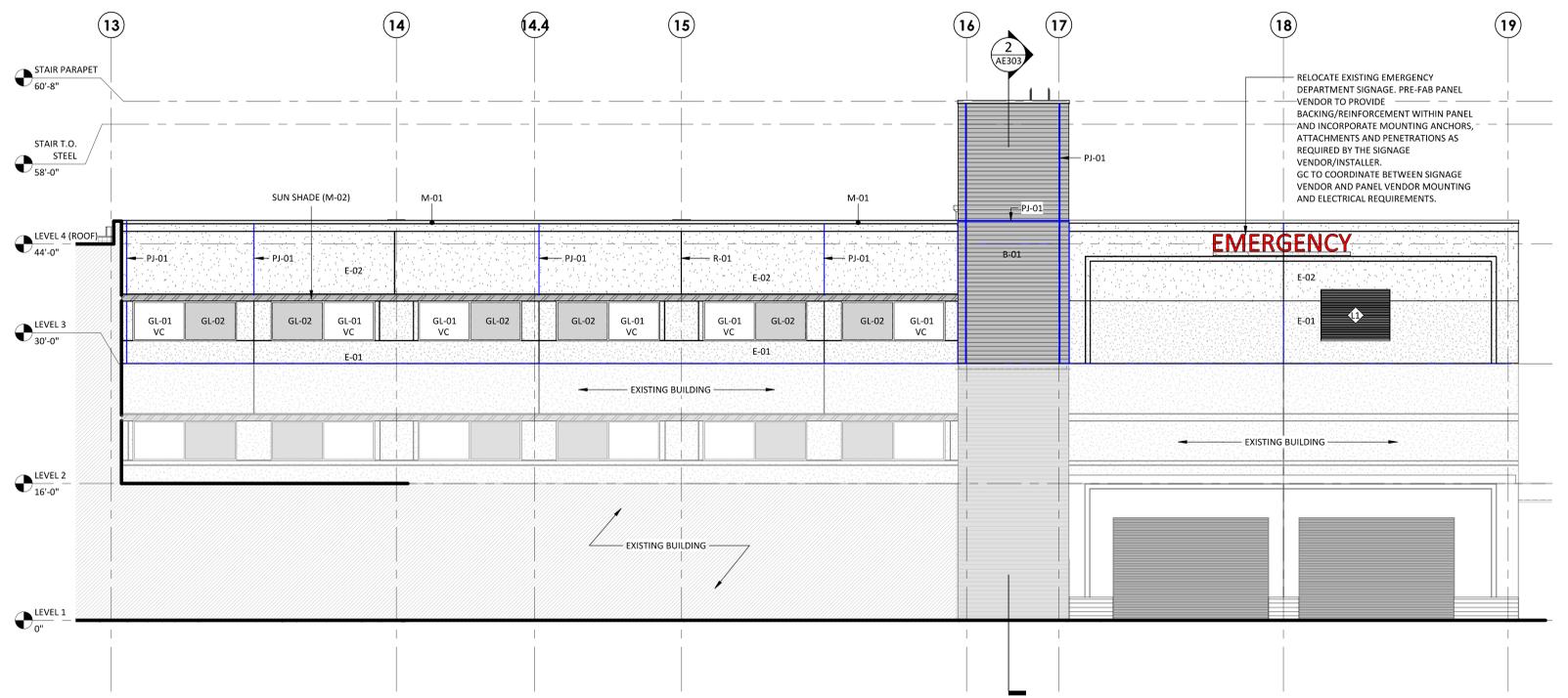
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	R-01	EIFS REVEAL
	MFR:	TBD
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	MFR:	TBD
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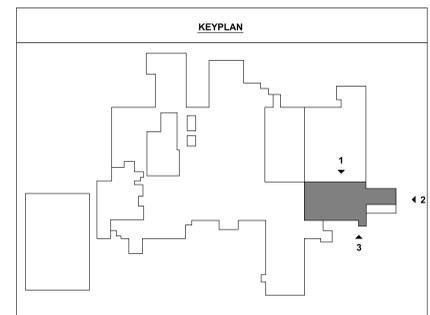
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2 EAST ELEVATION - MED SURG (12-BED UNIT)
 1/8" = 1'-0"



3 SOUTH ELEVATION - MED SURG (12-BED UNIT)
 1/8" = 1'-0"



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STRUCTURAL NOTES

A. GENERAL

- NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ARCHITECT, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OR ANY OF THE STRUCTURAL ENGINEER'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
- REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
- CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF A.C.I., P.C.I., A.I.S.C., S.J.I. OR OTHER STANDARDS, WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
- MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
- CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION, FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL OBTAIN AND COORDINATE EDGE OF SLAB DIMENSIONS, OPENING LOCATIONS AND DIMENSIONS, DEFERRED SLAB LOCATIONS AND EXTENTS, SLAB SLOPES, CURB LOCATIONS, AND CMU WALL LOCATIONS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION.
- CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.
- CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC., IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS. CONTRACTOR SHALL VERIFY EQUIPMENT WEIGHTS, REQUIRED OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS ARE IN AGREEMENT WITH FINAL ARCHITECTURAL AND MECHANICAL SHOP DRAWINGS AND SUBMITTALS.
- CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, SAFETY, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
- THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTABILITY ANALYSIS, AND ERECTION PROCEDURES, INCLUDING DESIGN AND ERECTION OF FALSEWORK, TEMPORARY BRACING, ETC.
- REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
- SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING DIMENSIONS, CONTRACTIONS, AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE ARCHITECT / STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE ARCHITECT / STRUCTURAL ENGINEER SHALL CONSIDER ALL OF THE CONTRACT DOCUMENTS AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- WHERE A SECTION OR DETAIL IS SHOWN OR DETAILED FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR AND LIKE CONDITIONS. DETAILS LABELED "TYPICAL" OR "TYP." ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR. THE CONTRACTOR SHALL CONSIDER ALL OF THE CONTRACT DOCUMENTS IN DETERMINING SIMILAR AND LIKE CONDITIONS.
- USE ONLY DIMENSIONS INDICATED ON THE CONTRACT DOCUMENTS. DO NOT SCALE DRAWINGS OR MEASURE OBJECTS IN ELECTRONIC FILES. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES.
- THE OWNER SHALL ESTABLISH A PERIODIC MAINTENANCE PROGRAM TO PROTECT THE STRUCTURE FROM DETERIORATION. THE MAINTENANCE PROGRAM IS THE RESPONSIBILITY OF THE OWNER AND SHOULD INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
PAINTING OF EXPOSED STEEL THAT IS NOT GALVANIZED.
INSPECTION AND MAINTENANCE OF PROTECTIVE COATINGS, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, AND CONTROL JOINTS.
REPAIR OF SPALLS AND CRACKS IN CONCRETE ELEMENTS.
REPAIR AND RESTORATION OF CORRODED ELEMENTS.
CLEANOUT OF DRAINS INCLUDING ALL ROOF AND TRENCH DRAINS AND SCUPPERS.
CLEANING OF STRUCTURAL ELEMENTS EXPOSED TO HARSH CHEMICALS INCLUDING DE-ICING CHEMICALS.
REPLACEMENT OF WORN BEARING PADS
- THE USE OF STRUCTURAL BIM OR CAD FILES IS PROHIBITED WITHOUT WRITTEN CONSENT FROM THE STRUCTURAL ENGINEER.

B. CODE/DESIGN CRITERIA

- STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2018 EDITION.
- GRAVITY LOADS
 - UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

HOSPITAL FLOORS	80 PSF	(INCLUDES PARTITIONS)
CORRIDORS - FIRST FLOOR	100 PSF	
CORRIDORS - ABOVE FIRST FLOOR	80 PSF	
KITCHEN	125 PSF	
MECHANICAL ROOMS	150 PSF	(NON-REDUCIBLE)
STAIRS	100 PSF	
STORAGE	125 PSF	(NON-REDUCIBLE)
PEDESTRIAN BRIDGE	90 PSF	(NON-REDUCIBLE)
 - UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

ROOF	20 PSF
SNOW (HOSPITAL)	20 PSF
GROUND SNOW LOAD, p_g	20 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
SNOW THERMAL FACTOR, C_t	1.0
SNOW IMPORTANCE FACTOR, I_s	1.2
FLAT ROOF SNOW LOAD, p_f	16.8 PSF
SLOPE FACTOR, C_d	1.0
DRIFT SURCHARGE LOAD(S), p_d	SEE SNOW LOADING PLAN
WIDTH OF SNOW DRIFT(S), w	SEE SNOW LOADING PLAN
SNOW (PEDESTRIAN BRIDGE)	20 PSF
GROUND SNOW LOAD, p_g	20 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
SNOW THERMAL FACTOR, C_t	1.2
SNOW IMPORTANCE FACTOR, I_s	1.0
FLAT ROOF SNOW LOAD, p_f	16.8 PSF
RAIN INTENSITY (15-MIN. STORM DURATION), i	9.34 INHR (HOSPITAL)
	7.48 INHR (PEDESTRIAN BRIDGE)
- PEDESTRIAN BRIDGE WIND LOADS:

HOSPITAL PEDESTRIAN BRIDGE	1,000 LB
	2,000 LB
- DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):

ROOF: ROOFING AND INSULATION	15 PSF
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- HOSPITAL WIND LOADS:

BASIC DESIGN WIND SPEED, V	122 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{allow}	95 MPH
EXPOSURE	C
RISK CATEGORY	IV
INTERNAL PRESSURE COEFFICIENT, GCF_i	± 0.18
- PEDESTRIAN BRIDGE WIND LOADS:

BASIC DESIGN WIND SPEED, V	109 MPH
ALLOWABLE STRESS DESIGN WIND SPEED, V_{allow}	85 MPH
EXPOSURE	B
RISK CATEGORY	II
INTERNAL PRESSURE COEFFICIENT, GCF_i	± 0.0

- HOSPITAL EARTHQUAKE LOADS:

RISK CATEGORY	IV
SEISMIC IMPORTANCE FACTOR, I_e	1.5
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
S_s	0.101 g
S_1	0.069 g

SITE CLASS: B
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
 S_{MS} 0.097 g
 S_M 0.046 g
SEISMIC DESIGN CATEGORY: A
BASIC SEISMIC-FORCE-RESISTING SYSTEM: STEEL MOMENT RESISTING FRAME
STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
RESPONSE MODIFICATION FACTOR, R 3
SEISMIC RESPONSE COEFFICIENT, C_s 1 %
- PEDESTRIAN BRIDGE EARTHQUAKE LOADS:

RISK CATEGORY	II
SEISMIC IMPORTANCE FACTOR, I_e	1.0
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
S_s	0.101 g
S_1	0.069 g

SITE CLASS: C
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
 S_{MS} 0.087 g
 S_M 0.069 g
SEISMIC DESIGN CATEGORY: B
- MAXIMUM ESTIMATED DEFLECTIONS LISTED BELOW ARE EXPECTED TO OCCUR AND SHALL BE CONSIDERED BY THE CONTRACTOR AND CLADDING DESIGNERS IN THE PERFORMANCE OF THE WORK:
 - SPANDREL BEAM DEFLECTIONS: 1/2" RELATIVE SUPERIMPOSED LOAD DEFLECTION BETWEEN LEVELS. RELATIVE SUPERIMPOSED LOAD DEFLECTION IS THE DEFLECTION ANTICIPATED TO OCCUR BETWEEN ADJACENT FLOORS AFTER THE CLADDING HAS BEEN ERECTED. THE RELATIVE SUPERIMPOSED DEFLECTION DOES NOT INCLUDE DEFLECTIONS DUE TO THE WEIGHT OF THE FLOOR FRAMING ITSELF, NOR DOES IT INCLUDE AN ALLOWANCE FOR CONSTRUCTION TOLERANCE.
 - MAXIMUM ESTIMATED DEFLECTIONS (IN INCHES) ARE AS FOLLOWS:

LIVE LOAD	DEAD + LIVE LOAD
ROOF MEMBERS: L/360	L/240
FLOOR MEMBERS: L/360	L/240

WHERE L = SPAN LENGTH (IN INCHES) BETWEEN CENTERLINES OF SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.)
 - MAXIMUM LATERAL INTER-STORY DRIFT DUE TO WIND LOADINGS (10-YEAR MEAN RECURRENCE INTERVAL) ARE AS FOLLOWS:
H/400 AT THE CENTER OF MASS
MAXIMUM OF 0.6" AT THE EDGE OF THE BUILDING
- SPECIAL INSPECTIONS ARE REQUIRED PER IRC CHAPTER 17 AND AS SPECIFIED IN THE STRUCTURAL SPECIAL INSPECTION STATEMENT PROVIDED BY THE STRUCTURAL ENGINEER.
- PROVISIONS HAVE BEEN MADE FOR A ONE-STORY TOWER VERTICAL EXPANSION OF THE PATIENT TOWER.
- RENOVATION PROJECTS MAY REQUIRE FIELD-DIRECTED MODIFICATIONS BASED ON EXISTING CONDITIONS. THE STRUCTURAL ENGINEER SHALL PROVIDE MODIFICATIONS OR ADDITIONS TO THE EXISTING STRUCTURE BASED ON FIELD OBSERVATIONS OR REPORTS. THE CONTRACTOR SHALL DOCUMENT ANY FIELD-DIRECTED MODIFICATIONS AND SHALL SUBMIT THE NECESSARY DOCUMENTATION TO THE OWNER.

C. DEFERRED STRUCTURAL SUBMITTALS

- DEFERRED SUBMITTALS, AS DEFINED BY THE BUILDING CODE, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR. THE DEFERRED SUBMITTALS SHALL BE SIGNED AND SEALED BY A LICENSED ENGINEER IN THE PROJECT STATE.
- THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF THE DEFERRED SUBMITTALS CONNECTIONS OR THE CONNECTION TO THE STRUCTURE. THE STRUCTURAL DESIGN OF THE COMPONENTS AND THE CONNECTION TO THE STRUCTURE IS DELEGATED TO A SPECIALTY ENGINEER WHO SHALL BE ENGAGED BY THE CONTRACTOR, VENDOR, AND/OR SUPPLIER. THE CONTRACTOR SHALL SUBMIT THE DEFERRED SUBMITTALS AS PART OF THE DEFERRED SUBMITTALS PROCESS.
- THE CONTRACTOR SHALL SUBMIT THE DEFERRED SUBMITTAL TO THE ARCHITECT / STRUCTURAL ENGINEER FOR REVIEW. AFTER REVIEW BY THE ARCHITECT / STRUCTURAL ENGINEER, THE CONTRACTOR SHALL SUBMIT THE REVIEWED SUBMITTAL TO THE BUILDING OFFICIAL PER SECTION 107.3 OF THE BUILDING CODE.
- THE ITEMS LISTED BELOW ARE IDENTIFIED AS DEFERRED SUBMITTALS. REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEFERRED SUBMITTAL COMPONENTS. ALL COSTS ASSOCIATED WITH THE PREPARATION OF THE DEFERRED SUBMITTAL, INCLUDING THE SPECIALTY ENGINEER'S DESIGN FEES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
CONCRETE FORMWORK
STRUCTURAL STEEL CONNECTIONS
METAL STAIRS, LANDINGS, HANDRAILS, AND GUARDRAILS
ELASTOMERIC BEARING PADS
COLD FORMED METAL FRAMING
PANELIZED WALL SYSTEMS
EXTERIOR BUILDING SIGNAGE
ANCHORAGE OF EXTERIOR ARCHITECTURAL, MECH., ELEC., AND PLUMBING EQUIPMENT
ATTACHMENT OF ROOFTOP EQUIPMENT, PIPING, & DUCTWORK TO THE UNDERLYING STRUCTURE
GLAZING SYSTEMS (E.G., CURTAIN WALL, WINDOW WALL, AND STOREFRONT SYSTEMS)
SLOTTED CHANNEL TRUSS FRAMING (E.G., UNISTRUT)
PREFABRICATED / PRE-ENGINEERED ARCHITECTURAL ELEMENTS AND STRUCTURES
OTHER ELEMENTS SPECIFICALLY IDENTIFIED IN THE CONTRACT DOCUMENTS
WINDOW WASHING, FALL PROTECTION, AND BUILDING MAINTENANCE SYSTEMS
- DEFERRED SUBMITTAL COMPONENTS SHALL BE DESIGNED FOR THE LOADS AS DEFINED BY THE APPLICABLE BUILDING CODE WITH DESIGN DATA DEFINED IN THE SECTION B OF THE STRUCTURAL NOTES.
THE DESIGN OF ITEMS LISTED BELOW ARE THE RESPONSIBILITY OF THE CONTRACTOR BUT ARE NOT CONSIDERED A DEFERRED SUBMITTAL AND ARE NOT TO BE SUBMITTED TO THE DESIGN TEAM. ALL COSTS ASSOCIATED WITH THE DESIGN OF THESE ELEMENTS, INCLUDING THE SPECIALTY ENGINEER'S DESIGN FEES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
TEMPORARY SUPPORT OF EXCAVATION SYSTEMS
TEMPORARY BRACINGS / SHORING FOR STABILITY OF STRUCTURE DURING CONSTRUCTION
ALL OTHER ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS

D. FOUNDATION

- FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY ALPHA-OMEGA GEOTECH (REPORT NUMBER AOG 240229 D DATED APRIL 30, 2024), AND THE BRIDGE SHALLOW FOUNDATIONS MEMORANDUM (DATED MAY 14, 2024). STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED FOR DESIGN.
- STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEMBER.
- INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 3,000 PSF AND 2,500 PSF, RESPECTIVELY. PEDESTRIAN BRIDGE SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 2,000 PSF.
- FOUNDATION WALLS ARE DESIGNED FOR LATERAL PRESSURES DUE TO THE FOLLOWING EQUIVALENT FLUID DENSITIES:

WALLS SUPPORTED AT TOP (AT-REST CONDITION):	48 PCF
WALLS FREE TO DISPLACE AT TOP (ACTIVE CONDITION):	30 PCF
- PROOF-ROLL BUILDING AREAS WITH TWO COMPLETE COVERAGES OF A LOADED DUMP TRUCK OR SCRAPER. REPLACE SOFT AREAS WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.

E. REINFORCEMENT

- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- WELDED WIRE REINFORCING SHALL CONFORM TO ASTM A1064 AND HAVE MINIMUM SIDE AND END LAPS OF ONE CROSS WIRE SPACING PLUS 2", BUT NOT LESS THAN 6".
- SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
- PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
- PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
 - CAST-IN-PLACE CONCRETE REINFORCEMENT COVER

PERMANENTLY EXPOSED TO EARTH:	3" CLEAR
CAST AGAINST THE EARTH:	3" CLEAR
EXPOSED TO EARTH OR WEATHER:	FOR BARS LARGER THAN A NO. 5 BAR: 2" CLEAR
	NO. 5 BARS OR SMALLER: 1-1/2" CLEAR
NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:	WALLS: 3/4" CLEAR
	SLABS: 3/4" CLEAR

- REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS. EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. REINFORCING STEEL SPLICES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
CONCRETE: CLASS B TENSION LAP - SEE REINFORCING LAP LENGTH SCHEDULE

F. CAST-IN-PLACE CONCRETE

- CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS.
- CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
 - NORMAL WEIGHT STRUCTURAL CONCRETE:

EXPOSURE CLASS	28-DAY MIN. COMPRESSIVE STRENGTH, f'_c	MAX. w/cm	MAX. NOM. AGGREGATE SIZE	
FOOTINGS	C1, W1	4,000 PSI	0.50	1-1/2"
PEDESTALS	C1, W1	4,000 PSI	0.50	1"
INTERIOR SLABS-ON-GROUND	C1	4,000 PSI	0.48	1"
EXTERIOR SLABS-ON-GROUND	F2, C1	4,500 PSI	0.45	1"
CURBS, PARAPETS	F1, C1	4,500 PSI	0.45	3/4"

ALL NORMAL WEIGHT CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS F0, S0, W0, AND C0 ACCORDING TO ACI 318 UNLESS NOTED OTHERWISE ABOVE OR ELSEWHERE ON THE STRUCTURAL DRAWINGS.
 - LIGHTWEIGHT STRUCTURAL CONCRETE: (110-120 PCF FRESH UNIT WEIGHT/107-116 PCF AIR-DRIED UNIT WEIGHT)

EXPOSURE CLASS	28-DAY COMPRESSIVE STRENGTH, f'_c	MAX. NOM. AGGREGATE SIZE	
SLABS ON COMPOSITE STEEL DECK	3,500 PSI	1"	
EXTERIOR SLABS ON COMPOSITE STEEL DECK	F1, C1	3,500 PSI	1"
INTERIOR TOPPING SLABS	F1, C1	4,000 PSI	3/4"
EXTERIOR TOPPING SLABS	F1, C1	4,000 PSI	3/4"

ALL LIGHTWEIGHT CONCRETE SHALL BE CONSIDERED TO BE IN EXPOSURE CLASS F0, S0, W0, AND C0 ACCORDING TO ACI 318 UNLESS NOTED OTHERWISE ABOVE OR ELSEWHERE ON THE STRUCTURAL DRAWINGS.

- CONCRETE MIX REQUIREMENTS
 - ALL CONCRETE SHALL BE PROPORTIONED TO COMPLY WITH ACI 318 CHAPTER 19 IN ACCORDANCE WITH THE EXPOSURE CLASS INDICATED, WHERE REQUIREMENTS INDICATED DIFFER FROM REQUIREMENTS OF CHAPTER 19, THE STRICTER REQUIREMENT SHALL APPLY. REFER TO THE SPECIFICATIONS FOR OTHER REQUIREMENTS FOR VARIOUS EXPOSURE CLASSES RELATIVE TO THE CEMENT TYPE, AIR ENTRAINMENT REQUIREMENTS, CHLORIDE ION LIMITS, POZZOLAN LIMITS, AND SHRINKAGE LIMITS.
 - CONCRETE SHALL BE CONSIDERED EXTERIOR CONCRETE IF THE CONCRETE IS PERMANENTLY EXPOSED TO THE WEATHER OR MOISTURE OR IF IT IS IN AN UNCONDITIONED SPACE IN ITS COMPLETED CONFIGURATION.
 - ALL CONCRETE SHALL SATISFY BOTH THE SPECIFIED MAXIMUM WATER TO CEMENT RATIO AND THE MINIMUM COMPRESSIVE STRENGTH, f'_c , REQUIREMENTS.
- PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF ALL CONCRETE FINISHES AND SLAB DEFLECTIONS.
- CONSTRUCTION JOINTS
 - LOCATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
 - NO HORIZONTAL JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
 - JOINTS SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF SPANS OF SLABS.
- DEFECTIVE AREAS IN CONCRETE INCLUDING BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.012" SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / STRUCTURAL ENGINEER. REPAIR DEFECTIVE AREAS AS DIRECTED BY THE STRUCTURAL ENGINEER.
- POLYSTYRENE GEOFOAM SHALL CONFORM TO ASTM D6817, TYPE EPS29.

G. POST-INSTALLED ANCHORS AND REINFORCING STEEL

- POST-INSTALLED ANCHORS AND REINFORCING STEEL SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO INSTALLING POST-INSTALLED ANCHORS OR REINFORCING STEEL IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS OR REINFORCING STEEL.
- CONTRACTOR SHALL ARRANGE ON-SITE INSTALLATION TRAINING BY THE MANUFACTURER FOR EACH PRODUCT TO BE INSTALLED. SUBMIT TO THE STRUCTURAL ENGINEER DOCUMENTATION CONFIRMING TRAINING OF ALL PERSONNEL WHO WILL BE INSTALLING PRODUCTS. TRAINING AND DOCUMENTATION SHALL OCCUR PRIOR TO THE COMMENCEMENT OF PRODUCT INSTALLATION. INSTALLATION OF ADHESIVE ANCHOR PRODUCTS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION RESISTING SUSTAINED TENSION LOADS SHALL BE CONDUCTED BY AN INSTALLER CERTIFIED IN ACCORDANCE WITH THE ACHORS/ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM. PROOF OF CERTIFICATION SHALL BE MAINTAINED AT THE JOB SITE.
- EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR OR REINFORCING LOCATIONS. CONTRACTOR SHALL LOCATE THE POSITION OF REINFORCING BARS AND J.T. TENDONS BY FERROSCAN, GPR, X-RAY, CHIRPING, OR OTHER MEANS PRIOR TO ANCHOR INSTALLATION. THE CONTRACTOR SHALL NOT DAMAGE ANY REINFORCING.
- ADHESIVE ANCHOR INSERT SHALL BE ALL THREAD ROD OF THE FOLLOW MATERIAL UN.O.:

INTERIOR ENVIRONMENTS:	ASTM F1554 Gr. 36
EXTERIOR ENVIRONMENTS:	ASTM F1554 Gr. 36 GALV. PER ASTM B695, CLASS 85 TYPE I
CORROSIVE ENVIRONMENTS:	ASTM A193 GR. B8M TYPE 316
- MECHANICAL AND SCREW ANCHORS IN EXTERIOR AND CORROSIVE ENVIRONMENTS SHALL BE GALVANIZED OR STAINLESS STEEL AND SHALL APPROVED BY THE MANUFACTURER FOR THE EXPOSURE.
- PROVIDE THE FOLLOWING INSTALLATION CONDITIONS FOR ADHESIVE ANCHORS. NOTIFY THE STRUCTURAL ENGINEER IF THESE CONDITIONS DO NOT EXIST:
 - HOLES DRILLED WITH HAMMER DRILL WITH CARBIDE TIPPED DRILL BIT
 - DRY HOLE
 - CONCRETE CURED FOR A MINIMUM OF 21 DAYS AND
 - TEMPERATURE CATEGORY B (110° F LONG TERM AND 130° F SHORT TERM)

H. STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO THE ANSIAISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISI 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDING BRIDGES".
- STRUCTURAL STEEL SHALL BE OF THE FOLLOWING GRADE UNLESS NOTED OTHERWISE ON DRAWINGS:

W, WT, C, AND MC SHAPES	ASTM A992
L, S, M, AND ST SHAPES	ASTM A572, GRADE 50
HSS SHAPES	ASTM A500, GRADE C
STEEL PIPE SHAPES	ASTM A53, GRADE B
PLATES AND BARS	ASTM A36
OUTRIGGERS, BENT PLATES, AND ELEMENTS LESS THAN 1/2" THICK	ASTM A36
BASE PLATES AND ALL OTHER ELEMENTS	ASTM A572, GRADE 50
ROUND ROD	ASTM A36
- BOLTS, ANCHOR RODS, AND HEADED STUDS:
 - ALL BOLTS SHALL BE GROUP 120 OR GROUP 150 HIGH-STRENGTH BOLTS WITH A 3/4" MINIMUM DIAMETER UNLESS NOTED OTHERWISE. BOLT SHEAR STRENGTH SHALL BE DETERMINED PER TABLE 7-1 IN THE AISI "STEEL CONSTRUCTION MANUAL".
 - ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE 55 UNLESS NOTED OTHERWISE.
 - HEADED STUDS SHALL BE 3/4" DIAMETER UNLESS NOTED OTHERWISE AND SHALL CONFORM TO AWS D1.1 LENGTH OF STUD PRIOR TO INSTALLATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWING:

COMPOSITE BEAMS:	4-7/8" LONG HEADED STUDS (FOR 6-1/4" SLABS)
MISCELLANEOUS EMBEDS:	SEE CONTRACT DRAWINGS
- CONNECTIONS:
 - STEEL CONNECTIONS SHALL BE DETAILED BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS. DEVIATION FROM THE CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT ADVANCE WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
 - THE SERVICES OF A CONNECTION DESIGN SPECIALTY ENGINEER (CDSE) SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. THE CDSE SHALL BE LICENSED IN THE PROJECT STATE; THE CDSE IS RESPONSIBLE FOR REVIEWING THE STEEL SHOP DRAWINGS TO ENSURE THAT ALL CONNECTION DESIGN DETAILS HAVE BEEN CORRECTLY SHOWN ON THE SHOP DRAWINGS; AND, THE CDSE SHALL SIGN A SIGNED AND SEALED LETTER, WITH EACH SHOP DRAWING SUBMITTAL, CONFIRMING THE ABOVE REVIEW.

- STANDARD SHEAR CONNECTIONS:
 - STANDARD SHEAR CONNECTIONS SHALL BE DETAILED AS DOUBLE-ANGLE, SINGLE-PLATE, SINGLE-ANGLE, OR TEE CONNECTIONS IN ACCORDANCE WITH CONNECTION TABLES IN PART 10 OF THE "STEEL CONSTRUCTION MANUAL". THE CDSE SHALL SUBMIT SIGNED AND SEALED CALCULATIONS FOR ALL SHEAR CONNECTIONS THAT CANNOT BE DETAILED COMPLETELY FROM THE ABOVE MANUAL FOR REVIEW BY THE STRUCTURAL ENGINEER.
 - CONNECTIONS SHALL BE DETAILED TO CARRY A MINIMUM AXIAL LOAD OF 0.05 * THE REQUIRED SHEAR DESIGN LOAD FOR THE CONNECTION
- FOR WELDED CONNECTIONS, USE QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISI AND THE STEEL INSTITUTE, WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PREQUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION.
- THE REQUIRED REACTION USING LRFD LOAD COMBINATIONS SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS. IF REACTIONS ARE NOT SHOWN, CONTACT THE STRUCTURAL ENGINEER.
- STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CDSE WITH THE EXCEPTION OF SIMPLE SHEAR CONNECTIONS AS DESCRIBED IN SECTION 4.3. THE CDSE SHALL SUBMIT SIGNED AND SEALED CALCULATIONS FOR ALL SUCH CONNECTIONS. THE CDSE SHALL USE THE UNIFORM FORCE METHOD WHEN APPLICABLE FOR ALL BRACE AND TRUSS TYPE CONNECTION DESIGNS.
- REVIEW OF THE SHOP DRAWINGS AND/OR BRACING CALCULATIONS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR AND CDSE OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS.
- COMPOSITE FLOOR MEMBERS ARE DESIGNED TO BE UNSHORED UNLESS OTHERWISE NOTED. THE WEIGHT OF THE WET CONCRETE WILL RESULT IN DEFLECTIONS OF THE SUPPORTING STEEL DECK, BEAMS, AND GIRDS. ALL OVERRUNS OF CONCRETE QUANTITIES ARE TO BE ANTICIPATED AND INCLUDED IN THE CONTRACTOR'S BID. THE CONTRACTOR SHALL COORDINATE EMBEDDED ITEMS REQUIRED FOR ARCHITECTURAL, STRUCTURAL, AND MECHANICAL ELEMENTS. CONCRETE FLOORS UTILIZING UNSHORED CONSTRUCTION SHALL BE SCREEDED LEVEL.
- SIZE AND SPACING OF CONDUITS IN COMPOSITE SLABS SHALL COMPLY WITH THE REQUIREMENTS OF ASCE 3-91, UNLESS NOTED OTHERWISE ON DRAWINGS.
- THE CAMBER OF STEEL MEMBERS SHALL BE VERIFIED IN THE SHOP AND THE FIELD PER THE SPECIFICATIONS.
- THE STRUCTURAL STEEL MEMBERS HAVE NOT BEEN DESIGNED TO ACCOMMODATE THE TORSION RESULTING FROM THE ECCENTRIC LOADING OF THE PRECAST PANELS, CURTAINWALL SYSTEMS, LIGHT GAUGE METAL FRAMING, ETC. SUPPLIER AND DIAPHRAGM BRACING SHALL BE DESIGNED AND PROVIDED BY THE SUPPLIER TO ELIMINATE TORSION.
- ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) AND ITS RELATED CATEGORIES ARE INDICATED IN EITHER THE ARCHITECTURAL OR STRUCTURAL DRAWINGS. AESS SHALL CONFORM TO THE REQUIREMENTS IN SECTION 10 OF THE AISI CODE OF STANDARD PRACTICE FOR THE SPECIFIED CATEGORY, WHERE THE CATEGORY IS NOT SPECIFIED, OR THERE IS A CONFLICT, CONSULT THE ARCHITECT.
- ALL STEEL EXPOSED TO WEATHER OR MOISTURE SHALL BE GALVANIZED UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
- STEEL BAR GRATING SHALL CONFORM TO THE FOLLOWING UNLESS NOTED OTHERWISE:
 - STEEL BAR GRATING SHALL BE 1-1/4" x 3/16" 19x4 STEEL BAR GRATING. STEEL BAR MATERIAL SHALL CONFORM TO ASTM A1011 CS TYPE B.
 - GRATING SURFACE SHALL BE SERRATED.
 - GRATING FINISH TO BE GALVANIZED IN ACCORDANCE WITH ASTM A123 OR A385.
 - FASTEN GRATING TO STEEL SUPPORTS WITH EITHER 3/16" FILD WELDS X 3/4" LONG AT EVERY SIXTH BEARING BAR ALONG SUPPORT (MIN. OF 2 WELDS PER PANEL) OR SADDLE CLIP AND SELF-DRILLING FASTENER AT EVERY SIXTH BEARING BAR ALONG SUPPORT (MIN. OF 2 CLIPS PER PANEL).
- THE LATERAL LOAD-RESISTING SYSTEM INCLUDES STRUCTURAL STEEL, NON-STRUCTURAL STEEL ELEMENTS, AND THE DIAPHRAGM, AS IDENTIFIED BELOW. ALL ELEMENTS OF THE LATERAL LOAD-RESISTING SYSTEM AND DIAPHRAGM ARE REQUIRED TO BE COMPLETE AS INDICATED AND DETAILED IN THE STRUCTURAL CONTRACT DOCUMENTS TO PROVIDE THE LATERAL STRENGTH AND STABILITY OF THE STEEL STRUCTURE. THE STRUCTURE SHALL BE CONSIDERED UNSTABLE UNTIL THESE SYSTEMS AND ELEMENTS ARE COMPLETE.
- THE LATERAL LOAD-RESISTING SYSTEM FOR THE STEEL STRUCTURE INCLUDES THE FOLLOWING ELEMENTS AS INDICATED AND DETAILED IN THE STRUCTURAL CONTRACT DOCUMENTS:
 - MOMENT FRAMES
 - CONNECTIONS, BASEPLATES, ANCHOR RODS (BOLTS), AND GROUT
- THE LATERAL LOAD-RESISTING DIAPHRAGM FOR THE STEEL STRUCTURE INCLUDES THE FOLLOWING ELEMENTS AS INDICATED AND DETAILED IN THE STRUCTURAL CONTRACT DOCUMENTS:
 - STEEL FLOOR DECK WITH CONCRETE AT 28-DAY STRENGTH
 - STEEL ROOF DECK
 - DIAPHRAGM BRACING
- SPECIFIC ELEMENTS AS IDENTIFIED WITHIN THE PLANS AND DETAILS OF THE STRUCTURAL CONTRACT DRAWINGS SHALL ALSO BE CONSIDERED PART OF THE LATERAL LOAD-RESISTING SYSTEM.
- STABILITY BRACING: THE STABILITY OF STRUCTURAL STEEL ELEMENTS INCLUDING INDIVIDUAL HOT-ROLLED STEEL SHAPES AND FABRICATED TRUSSES IS PROVIDED BY THE FOLLOWING ELEMENTS AS INDICATED AND DETAILED IN THE STRUCTURAL CONTRACT DOCUMENTS. THESE ELEMENTS SHALL BE COMPLETE AS SHOWN IN THE STRUCTURAL CONTRACT DOCUMENTS BEFORE ANY TEMPORARY MEANS AND METHODS REQUIRED FOR ERECTION ARE REMOVED.
 - STEEL FLOOR DECK WITH CONCRETE AT 28-DAY STRENGTH
 - STEEL ROOF DECK
 - DIAPHRAGM BRACING
 - STRUCTURAL STEEL BRACING AND KICKERS
- THE WALL THICKNESS OF ROLLED HSS MEMBERS SHOWN ON THE PLANS IS THE MINIMUM THICKNESS REQUIRED FOR STRUCTURAL PURPOSES. THE CONTRACTOR SHALL INCREASE THE WALL THICKNESS OR EMPLOY OTHER CONSTRUCTION MEANS AS REQUIRED TO PREVENT DISTORTION, WARPING, OR OIL-CANNING OF THE HSS CROSS SECTION.

I. STEEL DECK

- STEEL DECK SHALL BE PLACED OVER MULTIPLE SPANS WHEREVER POSSIBLE. WHERE SINGLE SPAN DECK IS REQUIRED, THE CONTRACTOR SHALL DRAW SPECIFIC ATTENTION TO THOSE LOCATIONS ON THE SHOP DRAWINGS.
- SUBMIT SHOP DRAWINGS SHOWING THE STEEL DECK PROFILE, GAGE, PHYSICAL PROPERTIES, AND LAYOUT. THE SUBMITTAL SHALL INCLUDE ALL ACCESSORIES AND INSTALLATION DETAILS, IF DECK OTHER THAN THE BASIS OF DESIGN IS PROVIDED. THE SUBMITTAL SHALL INCLUDE LOAD TABLES DEMONSTRATING THE DECK MEETS OR EXCEEDS THE BASIS OF DESIGN. THE LOAD TABLES SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE (SDI) REQUIREMENTS
- ROOF DECK:
 - THE 1 1/2" TYPE B ROOF DECK BASIS OF DESIGN IS 1.5B ROOF DECK PRODUCED BY VULCRAFT (APMO USES ER-0652). OTHER DECK MANUFACTURERS ARE PERMITTED PROVIDED THE FOLLOWING MINIMUM DECK PROPERTIES ARE MET OR EXCEEDED:

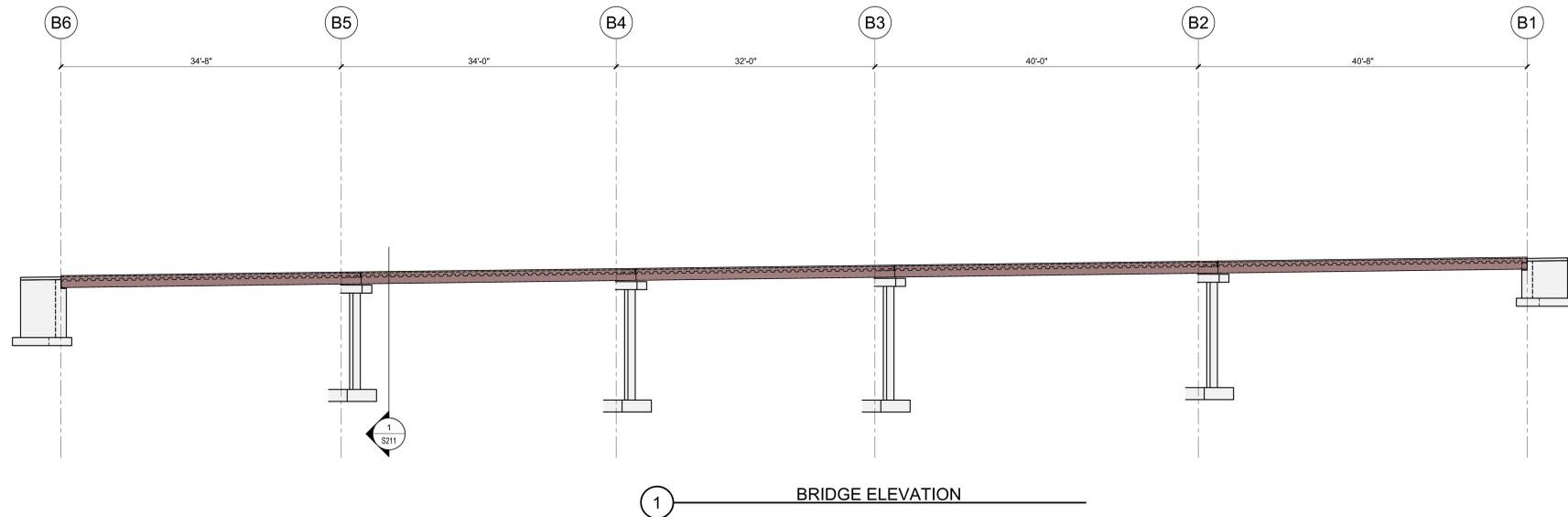
GAGE	22
YIELD STRESS	50 KSI
MOMENT OF INERTIA (POSITIVE BENDING), I_x	0.155 IN ⁴ /FT
MOMENT OF INERTIA (NEGATIVE BENDING), I_y	0.178 IN ⁴ /FT
SECTION MODULUS (POSITIVE MOMENT), S_x	0.169 IN ³ /FT
SECTION MODULUS (NEGATIVE MOMENT), S_y	0.179 IN ³ /FT

ROOF DECK SHALL BE APPROVED BY FM GLOBAL FOR THE SPAN LENGTHS SHOWN ON THE CONTRACT DOCUMENTS AND THE LAYOUT BY THE SUPPLIER.
 - THE TORIS ROOF DECK BASIS OF DESIGN IS TORIS ROOF DECK PRODUCED BY EPIC METALS (BPMO USES ER-0286). OTHER DECK MANUFACTURERS ARE PERMITTED PROVIDED THE FOLLOWING MINIMUM DECK PROPERTIES ARE MET OR EXCEEDED:

GAGE	20
YIELD STRESS	40 KSI
MOMENT OF INERTIA, I	0.77 IN ⁴ /FT
SECTION MODULUS (POSITIVE MOMENT), S_x	0.48 IN ³ /FT
SECTION MODULUS (NEGATIVE MOMENT), S_y	0.44 IN ³ /FT

ROOF DECK SHALL BE APPROVED BY FM GLOBAL FOR THE SPAN LENGTHS SHOWN ON THE CONTRACT DOCUMENTS AND THE LAYOUT BY THE SUPPLIER.
- DECK FINISH SHALL BE GALVANIZED G60.
- PROVIDE VENTED DECK IF RECOMMENDED BY LIGHTWEIGHT INSULATING CONCRETE SUPPLIER. PERCENT VENTING SHALL BE DETERMINED BY THE ROOFING SUPPLIER BASED ON PROJECT CONDITIONS AND INSULATING CONCRETE SYSTEM USED.
- COMPOSITE FLOOR DECK:
 - THE 3" COMPOSITE FLOOR DECK BASIS OF DESIGN IS 3V1 DECK PRODUCED BY VULCRAFT (APMO USES ER-0652). OTHER DECK MANUFACTURERS ARE PERMITTED PROVIDED THE FOLLOWING MINIMUM DECK PROPERTIES ARE MET OR EXCEEDED:

GAGE	20
YIELD STRESS	50 KSI

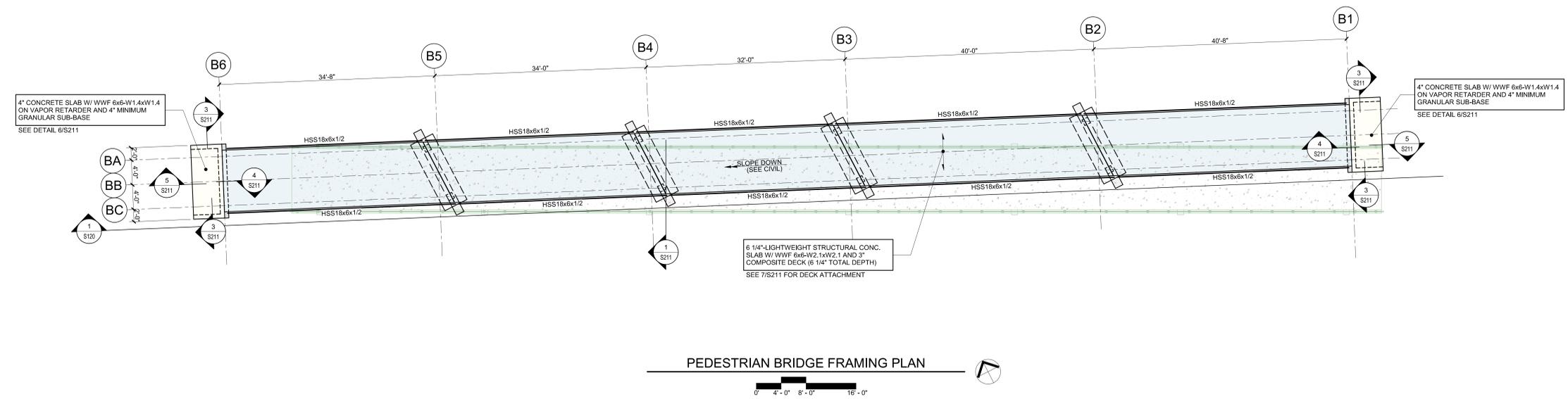


- NOTES:**
1. REFERENCE ELEVATION 1006.29' = 0'-0" (REFER TO CIVIL DRAWINGS).
 2. FOUNDATION ELEMENTS ARE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.
 3. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL AND CIVIL DRAWINGS.
 4. TOP OF SLAB ELEVATIONS ARE APPROXIMATE. REFER TO CIVIL DRAWINGS FOR TOP OF SLAB ELEVATIONS AND SLOPES.

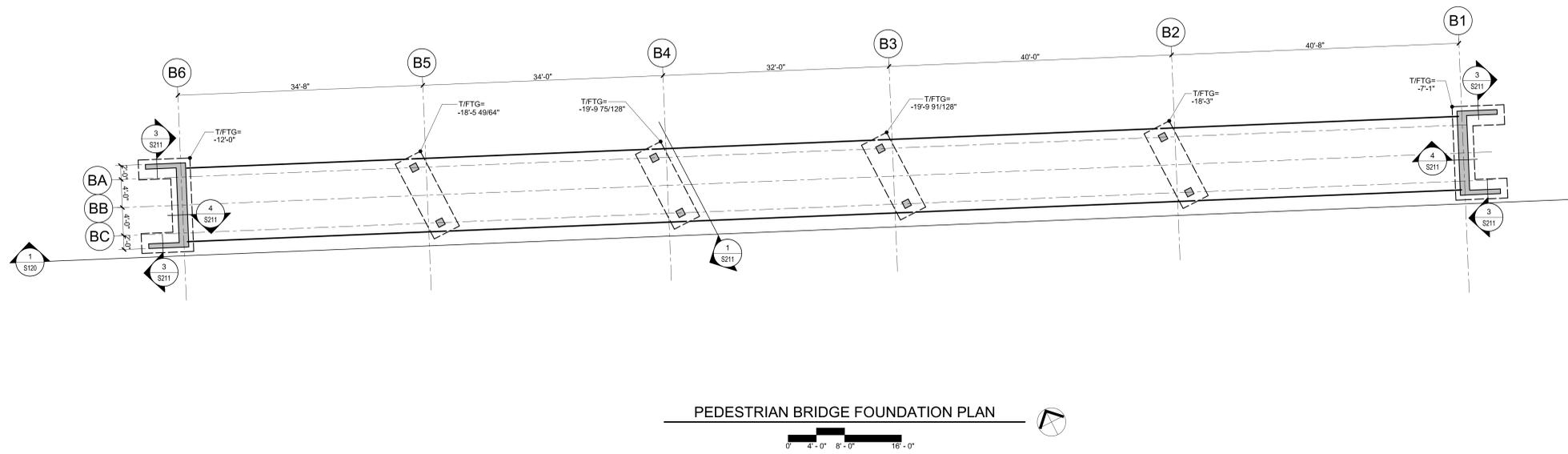
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Lee's Summit, Missouri
02/18/2026

1 ————— **BRIDGE ELEVATION**



PEDESTRIAN BRIDGE FRAMING PLAN



PEDESTRIAN BRIDGE FOUNDATION PLAN

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Consultant:

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Project No. 24551.00



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MED SURG & DIETARY EXPANSION

HCA - LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

Authority Having Jurisdiction:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE: 2024/12/05
SCALE: 1/8" = 1'-0"
DRAWN: JL
REVIEWED: JDP
JOB NUMBER: 6406.24

PEDESTRIAN BRIDGE FOUNDATION AND FRAMING PLANS

S120

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_1/23/2405100 Lee's Summit_MC_Med-Surg_Bed_Expansion_SDU23.rvt 12/17/2024 2:14:37 PM Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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Lee's Summit, Missouri

02/18/2026

Consultant:

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Engineer: MINDY WHEELER
 Eng. Reg. No. 36-2017000128
 Date: 05/23/2025
 Firm: 201801981

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SITE & BRIDGE EARLY RELEASE PACKAGE

HCA - LEE'S SUMMIT MEDICAL CENTER
 2100 SE BLUE PKWY
 LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
 CITY OF LEE'S SUMMIT BUILDING DEPT.
 MISSOURI DHSS

FACILITY NUMBER:
 0972400009

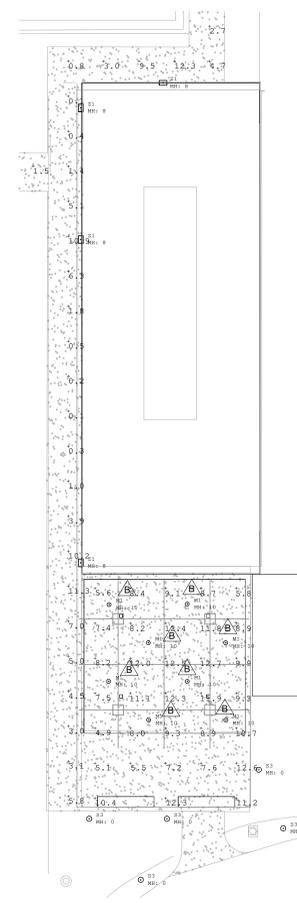
AGENCY APPROVALS:
 AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06
3	ASI XX	2025/XX/XX

DATE: 05/23/2025
 SCALE: As indicated
 DRAWN: Author
 REVIEWED: Checker
 JOB NUMBER: 6406.24

SITE PLAN - PHOTOMETRICS

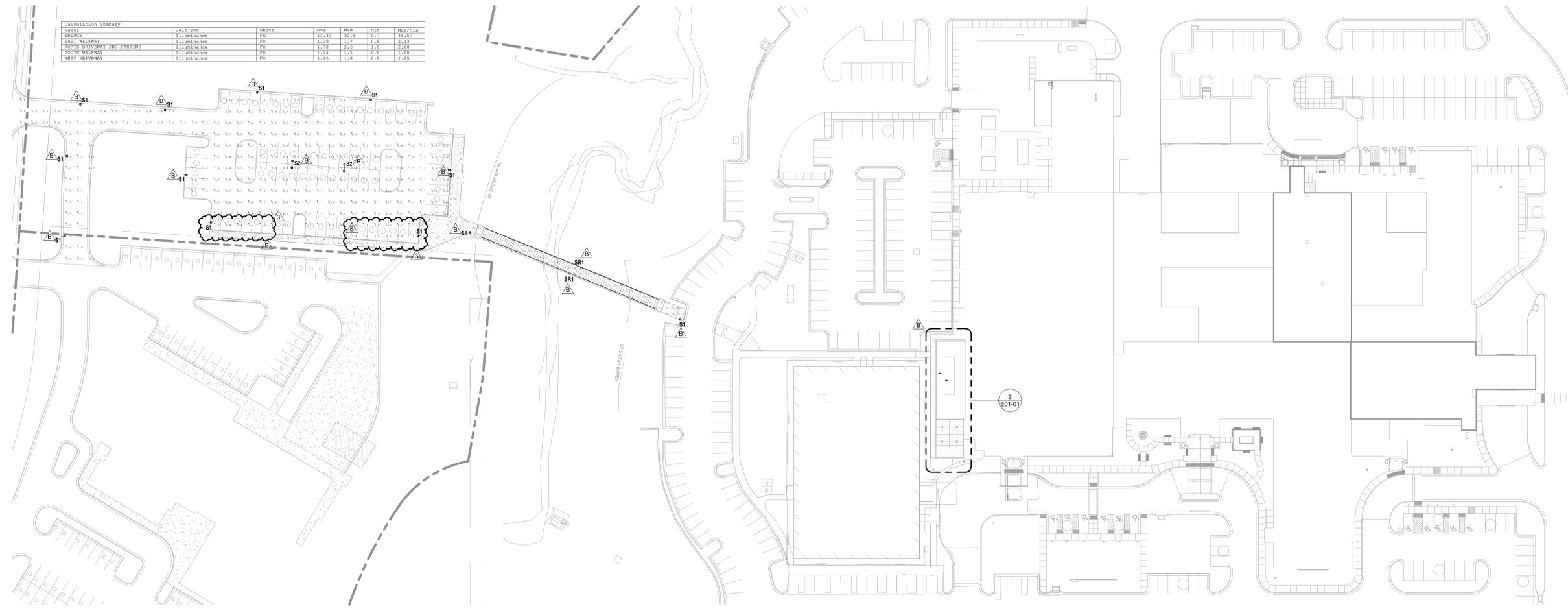
E01-01



Label	CalcType	Units	Avg	Max	Min	Max/Min
Dining Outdoor Seating	Illuminance	Fc	9.32	12.7	4.9	2.59
Sidewalk	Illuminance	Fc	4.03	12.3	0.1	123.00

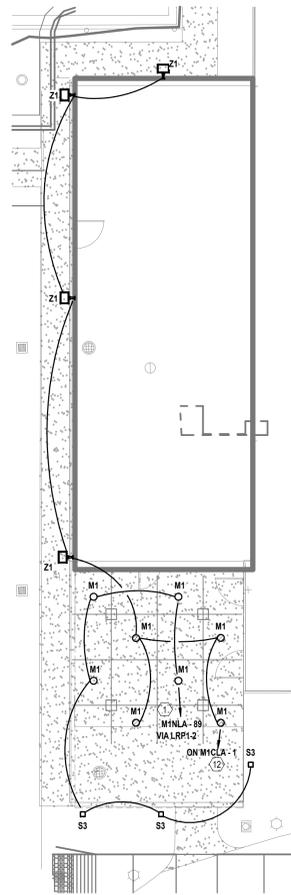
2 EXTERIOR CANOPY - PHOTOMETRICS
 1" = 10'-0"

Label	CalcType	Units	Avg	Max	Min	Max/Min
BRIDGES	Illuminance	Fc	33.43	32.4	0.7	46.97
EAST WALKWAY	Illuminance	Fc	2.39	1.7	0.8	2.13
NORTH DRIVEWAY AND PARKING	Illuminance	Fc	3.78	2.6	1.8	2.00
SOUTH WALKWAY	Illuminance	Fc	1.24	1.5	0.8	1.88
WEST DRIVEWAY	Illuminance	Fc	2.45	1.8	0.8	2.25

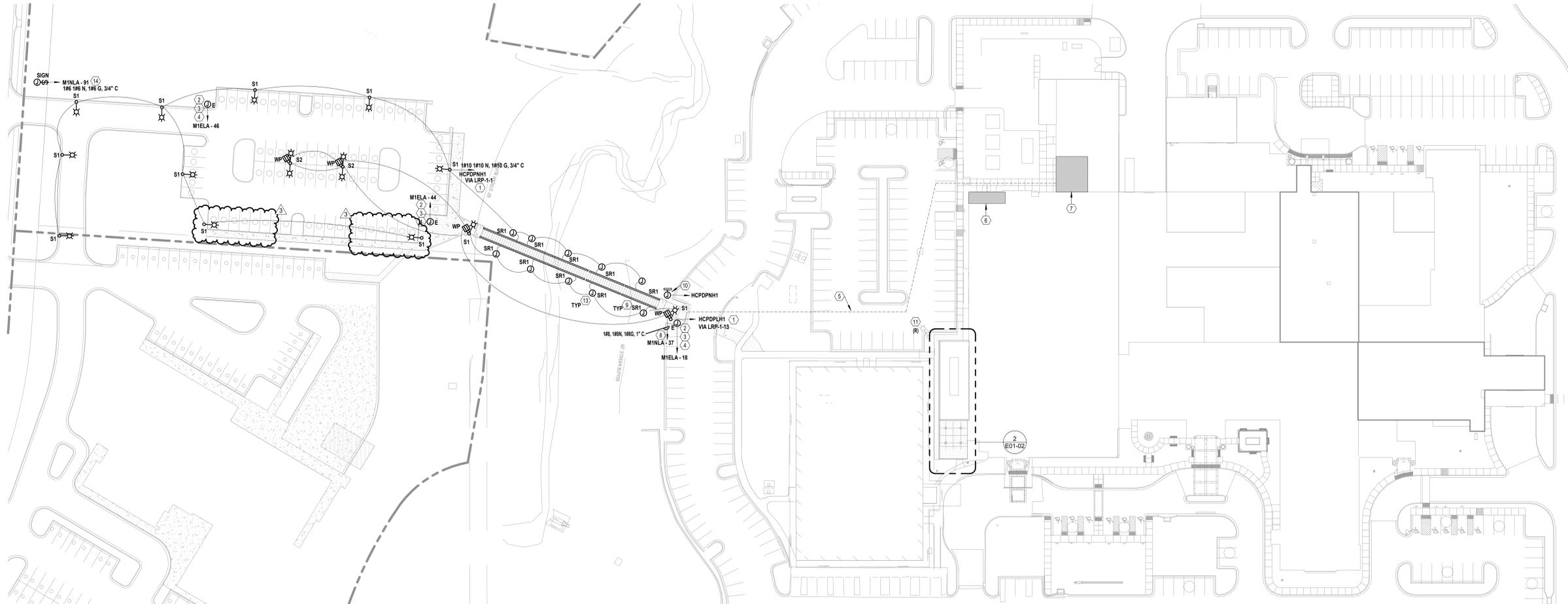


1 SITE PLAN - PHOTOMETRICS
 1" = 40'-0"

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2 EXTERIOR CANOPY - MEP
1" = 10'-0"



1 SITE PLAN - MEP
1" = 40'-0"

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02/18/2026

GENERAL NOTES

- A. REFER TO SHEET E00-00 FOR ELECTRICAL SYMBOLS APPEARING ON THIS SHEET AND ADDITIONAL GENERAL NOTES.
- B. REFER TO SHEET E08 SERIES FOR FEEDER AND PANELBOARD SCHEDULES.
- C. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS, ELEVATIONS, EQUIPMENT VENDOR DRAWINGS AND DETAILS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL WIRING DEVICES.
- D. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO: SMOKE DAMPERS, FIRE/SMOKE DAMPERS, VAV BOXES, FCUS, ETC. WITH MECHANICAL DRAWINGS AND DIVISION 23 CONTRACTOR.
- E. COORDINATE LOCATIONS OF ALL DISCONNECTS, CONTROL PANELS, AND ELECTRICAL CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT TO MAINTAIN NEC REQUIRED CLEARANCES.

LEGEND NOTES

1. CONTROL VIA NEW LRP-1: REFER TO SCHEDULE ON E08-01.
2. EMERGENCY "BLUE" PHONE LOCATION: PROVIDE TALKAPHONE ETP-MTE ECO TOWER W/ BLUE STROBE LIGHT, ETE-MTE-ARM CAMERA MOUNTING ARM, AND VOIP-500E CALL STATION. A 3-LENS CAMERA SHALL BE INSTALLED ON CAMERA ARM. BLUE PHONE SHALL HAVE ADA COMPLIANT ACCESSIBILITY FOR PEDESTRIANS.
3. PROVIDE 1 1/2" CONDUIT FROM EMERGENCY PHONE TOWER TO HOSPITAL. CONDUIT SHALL ENTER BUILDING AT NEW CONSTRUCTION AREA AND SHALL TERMINATE IN AN ACCESSIBLE ABOVE CEILING SPACE WITHIN THAT AREA. PROVIDE BELDEN 6-STRAND FIBER OPTIC SINGLE-MODE OSP CABLE (W/ LC FIELD INSTALLABLE CONNECTORS) FROM EMERGENCY PHONE TO COMM ROOM 1-ME1066. COMMERCIAL GRADE LC SINGLE-MODE FIBER OPTIC TRANSCEIVERS/MEDIA CONVERTERS SHALL BE UTILIZED FOR DATA COMMUNICATIONS.
4. PROVIDE 120V/1P EMERGENCY POWER FOR THE "BLUE" PHONE. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.
5. CONCRETE ENCASED CONDUIT TO ROUTE UNDERGROUND TO THE NEW BRIDGE AND REMOTE PARKING LOT LIGHT FIXTURES AND POWER DEVICES. TRENCH EXISTING PARKING LOT TO INSTALL NEW CONDUIT. REFER TO E07 SHEETS FOR DETAILS.
6. PANELBOARDS M1ELA AND M1NLA LOCATED IN EXTERIOR ELECTRICAL ROOMS 1, ME1131A AND 1-ME1131, RESPECTIVELY.
7. DISTRIBUTION PANELBOARDS HCPDPNH1 AND HCPDPLH1 LOCATED IN MAIN NORMAL ELECTRICAL ROOM 1-CP2002 AND MAIN EMERGENCY ELECTRICAL ROOM 1-CP2001, RESPECTIVELY.
8. PROVIDE WIRE SIZE AS INDICATED TO POLE BOX AND THEN SPLICE DOWN TO #12, #1 1/2, #12 AND MAKE CONNECTION TO RECEPTACLE.
9. REFER TO ARCHITECTURAL SPECIFICATIONS FOR RAILING PRODUCT AND INSTALLATION REQUIREMENTS.
10. PROVIDE 480V/3P POWER TO SNOW MELT CONTROL PANEL. COORDINATE EXACT LOCATION WITH THE SNOWMELT SYSTEM VENDOR.
11. RELOCATE EXISTING LIGHT POLE.
12. CIRCUIT ON "M1CLA-1" AND ASSOCIATED LIGHTING CONTROL CIRCUIT THAT IS CURRENTLY SERVING THIS AREA.
13. PROVIDE NEMA 3R ENCLOSURE FOR EACH LIGHT FIXTURE "SR1" DRIVER. COORDINATE ACCESSIBLE MOUNTING LOCATION WITH MANUFACTURER.
14. PROVIDE WIRE SIZE AS INDICATED TO BOX AND THEN SPLICE DOWN TO #12, #12IN, #1 1/2 AND MAKE CONNECTION TO SIGN.

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Consultant:

INTERIM REVIEW ONLY
These documents are incomplete, and are released for interim review only and are not intended for regulatory approval, permit, or construction purposes.
Engine: MINDY WOBLESER
Proj. No. 25-201700012R
Date: 05/23/2025
Rev: 201801081

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**SITE & BRIDGE
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HCA - LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
3	ASI XX	2025/XX/XX

DATE: 05/23/2025
SCALE: As indicated
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

SITE PLAN - ELECTRICAL

E01-02

10/15/2025 3:36:37 PM Autodesk Docs://Eg0624-HCA- Lee's Summit Medical Center (LSMC)_r123/MEP_LSMC Med Surg & Dietary Expansion_R23.rvt

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02/18/2026



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Consultant:

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Engineer: MINDEY WOBLESER
Eng. Reg. No.: 35-28373000128
Date: 07/24/2024
Form: 2013001881

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MEDICAL CENTER
2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
CITY OF LEE'S SUMMIT BUILDING DEPT.
MISSOURI DHSS

FACILITY NUMBER:
0972400009

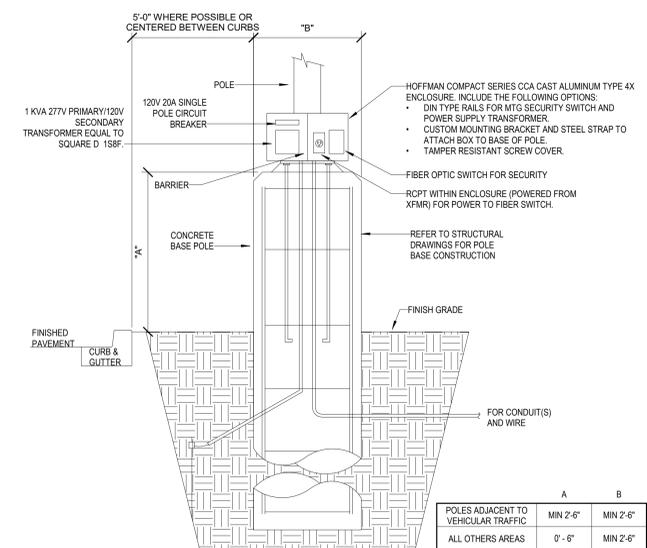
AGENCY APPROVALS:
AGENCY

REVISIONS

REV #	DESCRIPTION	DATE
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DATE: 2024/07/24
SCALE: N.T.S.
DRAWN: Author
REVIEWED: Checker
JOB NUMBER: 6406.24

DETAILS - ELECTRICAL



1 LIGHT POLE BASE ENCLOSURE DETAIL
N.T.S.

8/7/2024 11:22:50 AM Autodesk Docs://6406.24.0001 - HCA - LS/MC MedSurge Expansion - n23/NEP - LS/MC MedSurge Expansion - n23.rvt

DP-E07-01



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EXTERIOR ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	DESCRIPTION	LOCATION	HOUSING	PHYSICAL DESCRIPTION			FINISH	MOUNTING	COLOR TEMP.	LAMP	ELECTRICAL SPECIFICATIONS					MANUFACTURER INFORMATION		
				REFLECTOR	SHIELDING	SHIELDING					HOURS	VA	UNITS	BALLAST / DRIVER	VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS
M1	7" LED ROUND DOWNLIGHT	CANOPY	SHALLOW, LESS THAN 1" SOLID RING	DIFFUSE LENS	N/A	WHITE FINISH	SURFACE MOUNTED	4,000	LED	1,301	50000	12	EACH	LED DRIVER	120	JUNO	#JUSF 7IN 10LM SWSWS 90CRI MVOLT 2T	
S1	ARCHITECTURAL SINGLE HEAD LED SITE FIXTURE, TYPE IV DISTRIBUTION	EXTERIOR SITE	DIE-CAST ALUMINUM	TYPE IV MEDIUM	NONE	TOIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 26" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSXLED-200-1000-40K-BLC-MVOLT-RPA-DD BXD AND POLE RSA-20	
S2	ARCHITECTURAL DOUBLE HEAD LED SITE FIXTURE, TYPE IV DISTRIBUTION	EXTERIOR SITE	DIE-CAST ALUMINUM	TYPE IV MEDIUM	NONE	TOIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 26" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSXLED-200-1000-40K-BLC-MVOLT-RPA-DD BXD AND POLE RSA-20	
S3	BOLLARD LED SQUARE FLAT TOP	EXTERIOR SITE	N/A	N/A	N/A	TOIC POWDER COAT FINISH IN BLACK	SURFACE MOUNTED	5,000	LED	1,535	50000	72	EACH	LED DRIVER	120	HYDREL	#S140C-H42-80CB-50K-MVOLT-FT-BL	
SR1	ILLUMINATED RAIL	BRIDGE	STAINLESS STEEL	CLEAR LENS	N/A	STAINLESS STEEL 316	REFER TO MANUFACTURE SPEC SHEET	4,000	LED	8,000	60000	160	EACH	LED DRIVER	277	VIVA RAILINGS	#RIL LIN 1.5 316 40K H CL D	
Z1	LED TRAPEZOIDAL WALL PACK WITH PHOTOCELL, WIDE DISTRIBUTION	EXTERIOR	DIE CAST ALUMINUM, DIE-CAST DOOR FRAME WITH SOLID SILICONE CASSET, IP65	N/A	N/A	THERMOSET POWDER COAT FINISH, DARK BRONZE, CONFIRM WITH ARCHITECT	WALL MOUNTED, REFER TO ARCHITECTURAL FOR MOUNTING HEIGHT	4,000	N/A	1,500	100000	25	EACH	LED DRIVER	120	LITHONIA	#HST LED P1 40K VV MVOLT PE DBXD	

EXIST: M1ELA
 LOCATION: EXTERIOR ELEC 1-ME1131A
 MAIN BUS: 100 A
 NCB: N/A
 VOLTAGE: 120/208 WYE
 AIC AVAILABLE: EXISTING
 AIC RATING: 10000 A

FED FROM: M1DPNL1
 WIRES: 4W + G + IG
 ENCLOSURE: NEMA 1
 BUS TYPE: COPPER
 MOUNTING: SURFACE
 PANEL LUGS: MLO
 NUMBER OF SECTIONS: 2

EMERGENCY
 NEUTRAL BUS: YES
 GROUND BUS: YES
 ISOLATED GROUND BUS: YES
 200% NEUTRAL: NO
 FEED THROUGH LUGS: YES
 POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	2
3	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	4
5	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	6
7	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	8
9	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	10
11	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	12
13	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	14
15	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	16
17	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	18
19	EXISTING LOAD	--	20 1				3 30	--	200 REMOTE LOT PHONE	20
21	EXISTING LOAD	--	20 1				--	--	EXISTING LOAD	22
23	EXISTING LOAD	--	20 1				--	--	EXISTING LOAD	24
25	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	28
29	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	30
31	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	32
33	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	34
35	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	36
37	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	38
39	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	40
41	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	42
43	EXISTING LOAD	--	20 1				1 20	--	200 REMOTE LOT PHONE	44
45	EXISTING LOAD	--	20 1				1 20	--	200 REMOTE LOT PHONE	46
47	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	48
49	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	50
51	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	52
53	SPARE	--	20 1				1 20	--	EXISTING LOAD	54
55	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	56
57	SPARE	--	20 1				1 20	--	EXISTING LOAD	58
59	SPARE	--	20 1				1 20	--	EXISTING LOAD	60
61	EXISTING LOAD	--	20 1				1 20	--	SPARE	62
63	EXISTING LOAD	--	20 1				1 20	--	SPARE	64
65	EXISTING LOAD	--	20 1				1 20	--	SPARE	66
67	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	68
69	EXISTING LOAD	--	30 2				1 20	--	SPARE	70
71	--	--	--				1 20	--	SPARE	72
73	EXISTING LOAD	--	30 2				1 20	--	EXISTING LOAD	74
75	--	--	--				1 20	--	EXISTING LOAD	76
77	SPARE	--	20 1				1 20	--	EXISTING LOAD	78
79	SPARE	--	20 1				3 30	--	EXISTING LOAD	80
81	SPARE	--	20 1				--	--	EXISTING LOAD	82
83	SPARE	--	20 1				--	--	EXISTING LOAD	84

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	
MISC	600	600	KVA	AMPS
			32.2	89.4
			0	0
			0.6	1.7
			32.8	91.1
			32.8	91.1

NOTES:

EXIST: M1NLA
 LOCATION: EXTERIOR ELEC 1-ME1131
 MAIN BUS: 225 A
 NCB: N/A
 VOLTAGE: 120/208 WYE
 AIC AVAILABLE: EXISTING
 AIC RATING: 10000 A

FED FROM: M1DPNL1
 WIRES: 4W + G + IG
 ENCLOSURE: NEMA 1
 BUS TYPE: COPPER
 MOUNTING: SURFACE
 PANEL LUGS: MLO
 NUMBER OF SECTIONS: 3

NORMAL
 NEUTRAL BUS: YES
 GROUND BUS: YES
 ISOLATED GROUND BUS: YES
 200% NEUTRAL: NO
 FEED THROUGH LUGS: YES
 POLES PER SECTION: 42

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS / POLES	A	B	C	CIRCUIT BREAKER POLES /...	TOTAL LOAD (VA)	DESCRIPTION	CKT NO.
1	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	2
3	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	4
5	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	6
7	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	8
9	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	10
11	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	12
13	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	14
15	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	16
17	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	18
19	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	20
21	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	22
23	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	24
25	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	26
27	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	28
29	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	30
31	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	32
33	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	34
35	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	36
37	RCPT - SITE POLE LIGHT CONV	720	20 1				1 20	--	EXISTING LOAD	38
39	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	40
41	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	42
43	SPARE	--	40 2				1 20	--	EXISTING LOAD	44
45	--	--	--				1 20	--	EXISTING LOAD	46
47	EXISTING LOAD	--	80 3				1 20	--	EXISTING LOAD	48
49	--	--	--				1 20	--	EXISTING LOAD	50
51	--	--	--				1 20	--	EXISTING LOAD	52
53	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	54
55	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	56
57	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	58
59	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	60
61	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	62
63	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	64
65	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	66
67	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	68
69	EXISTING LOAD	--	30 2				1 20	--	EXISTING LOAD	70
71	--	--	--				1 20	--	EXISTING LOAD	72
73	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	74
75	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	76
77	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	78
79	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	80
81	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	82
83	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	84
85	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	86
87	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	88
89	LIGHT - EXTERIOR DINING CANOPY	264	20 1				1 20	--	EXISTING LOAD	90
91	LIGHT - SITE SIGNAGE	200	20 1				1 20	--	EXISTING LOAD	92
93	EXISTING LOAD	--	40 2				1 20	--	EXISTING LOAD	94
95	EXISTING LOAD	--	--				1 20	--	EXISTING LOAD	96
97	EXISTING LOAD	--	20 2				1 20	--	EXISTING LOAD	98
99	--	--	--				1 20	--	EXISTING LOAD	100
101	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	102
103	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	104
105	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	106
107	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	108
109	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	110
111	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	112
113	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	114
115	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	116
117	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	118
119	EXISTING LOAD	--	20 1				1 20	--	EXISTING LOAD	120
121	EXISTING LOAD	--	20 3				3 30	--	EXISTING LOAD	122
123	--	--	--				--	--	EXISTING LOAD	124
125	--	--	--				--	--	EXISTING LOAD	126

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS	
LIGHT	264	330	KVA	AMPS
MISC	200	200	35.2	97.8
RCPT	720	720	0	0
			1.2	3.3
			36.4	101.1
			36.5	101.3

NOTES:

FEEDER SCHEDULE 600V MAX.

FEEDER TAG & AMPERE RATING	FEEDER DESCRIPTION
15.3, 20.3 15.4, 20.4	#12, #12 G, 3/4" C #12, #12 N, #12 G, 3/4" C
25.3, 30.3 25.4, 30.4	#10, #10 G, 3/4" C #10, #10 N, #10 G, 3/4" C
35.3, 40.3 35.4, 40.4	#8, #10 G, 3/4" C #8, #8 N, #10 G, 3/4" C
45.3, 50.3 45.4, 50.4	#6, #10 G, 3/4" C #6, #6 N, #10 G, 1" C
60.3 60.4	#4, #10 G, 1" C #4, #4 N, #10 G, 1 1/4" C
70.3 70.4	#4, #8 G, 1" C #4, #4 N, #8 G, 1 1/4" C
80.3 80.4	#3, #8 G, 1 1/4" C #3, #3 N, #8 G, 1 1/4" C
90.3 90.4	#2, #8 G, 1 1/4" C #2, #2 N, #8 G, 1 1/4" C
100.3 100.4	#1, #8 G, 1 1/4" C #1, #1 N, #8 G, 1 1/2" C
110.3 110.4	#1, #8 G, 1 1/4" C #1, #1 N, #8 G, 1 1/2" C
125.3, 150.3 125.4, 150.4	#1/0, #8 G, 1 1/2" C #1/0, #1/0 N, #8 G, 2" C
175.3 175.4	#2/0, #8 G, 2" C #2/0, #2/0 N, #8 G, 2" C
200.3 200.4	#3/0, #



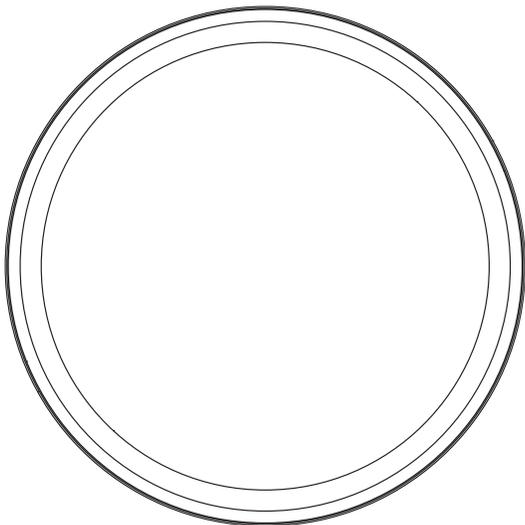
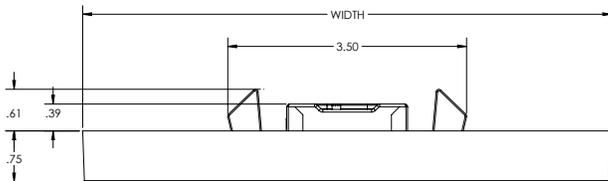
Juno SlimForm™ LED with Selectable CCT

5" and 7" Round Downlight for JBox Installation

JSF Series



Dimensions



Project:
Fixture Type:
Location:
Contact/Phone:

Product Features

Sleek, ultra-low profile energy efficient LED surface mount downlights available in 5" and 7" sizes. Optional finish trims available for custom, designer look similar to standard recessed downlights. Provides general illumination in residential and commercial applications including multi-family and hospitality. Ideal for use in corridors, living spaces, closets, hallways, pantries, stairways, outdoor covered areas and much more. With the newly added selectable CCT switch, the JSF gives the ultimate in flexibility for both the distributor as well as the end user.

Applications

- Suitable for wet locations (indoor covered ceilings): perfect for closets, showers, bathrooms, outdoor soffits, and covered ceiling applications.
- Residential and Light Commercial applications including multi-family and hospitality
- Ideal for use in corridors, foyers, living spaces, closets, hallways, pantries, stairways and much more
- Installs directly into industry standard junction boxes
- Suitable for use within closet storage spaces when installed per NEC requirements. *Junction box sizes vary - Verify compatibility with fixture prior to installation*

Performance

Delivered Lumens	JSF 5IN = 791L - 854L JSF 7IN = 1182L - 1324L
Led Color Temperature	Switchable White (2700K, 3000K, 3500K, 4000K, 5000K) Default set at 3000K
CRI	90+
Voltage	Dedicated 120V and MVOLT (120V-277V)
Dimming	Phase Dimming down to 10%. 0-10V and phase dimming available.

Specifications

	Width	Depth
JSF 5IN	5.25 (13.34)	0.75 (1.91)
JSF 7IN	7.77 (19.74)	0.75 (1.91)

All dimensions are in Inches (centimeters unless otherwise indicated).

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

02/18/2026



Juno SlimForm™ LED with Selectable CCT

5" and 7" Round Downlight for JBox Installation



JSF

ORDERING INFORMATION

SlimForm LED Downlight

Example: JSF 5IN 07LM SWW5 90CRI 120 FRPC WH

Series	Size/Lumens	Color Temperature	CRI	Voltage/Driver	Finish ¹
JSF SlimForm Surface Mount Downlight - Round	5IN 07LM 5", 791-854 Lumens	SWW5 Switchable White (2700K, 3000K, 3500K, 4000K, 5000K)	90CRI 90+ CRI	120 FRPC Dedicated 120V, Forward Reverse Phase Dimming	WH White
	7IN 10LM 7", 1182-1324 Lumens				WH LGL² White Low Glare Lens
				MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	BL LGL² Black Low Glare Lens
					BZ LGL² Bronze Low Glare Lens
					SN LGL² Satin Nickel Low Glare Lens

Note:

- 1 Trim Accessories must be ordered separately with white finish only. Not available with LGL option.
- 2 Trim finishes with LGL option ship complete. See Accessories if ordering without LGL.

ACCESSORIES¹

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFTRIM 5IN BZ

Series	Size	Finish
JSFTRIM SlimForm Accessory- Trim	5IN 5 inches	WH White
		BL Black
	7IN 7 inches	BZ Bronze
		SN [*] Satin Nickel

Note:

* SN not available for 5IN



BLACK



BRONZE



SATIN NICKEL

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Juno SlimForm™ LED with Selectable CCT

5" and 7" Round Downlight for JBox Installation



JSF

Specifications

Construction

Shallow, less than 1", solid ring with white finish • Non conductive construction allows for light shower applications • Optional, field installable finish trims available for 5" and 7" versions to change the exterior finish of fixture

Optics

Light guide technology combined with diffusing lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine

LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life • Selectable CCT with steps at 27K, 30K, 35K, 40K, 50K • LEDs binned for 4-step MacAdam ellipse color consistency • 90 CRI minimum.

LED Driver

Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers • External driver is only available on 5" and 7" models • For a list of compatible dimmers, see [JUNOSLIMFORM-DIM](#).

Installation

Junction Box Mounting

Fixture provided with leads for direct wire connection in j-box • Installs directly to industry standard junction boxes • Compatible junction boxes include 4" metal standard and IC1JB junction box housing (3 1/2" junction box screw-hole spacing required for installation) • Minimum 1 3/4" depth and minimum 3 1/2" width of junction box required for installation for 5" and 7" fixtures • Quick mount bracket provides fast installation of fully assembled fixture to junction box • Suitable for ceiling mount • Suitable for use within closet storage spaces when installed per NEC requirements. Junction box sizes vary - Verify compatibility with fixture prior to installation

Life

Rated for 50,000 hours at >70% lumen maintenance.

Labels

ENERGY STAR® certified • Certified to the high efficacy requirements of California T24 JA8-2019 • CSA listed for US and Canada • Suitable for wet locations (covered ceilings).

Testing

All reports are based on published industry procedures; field performance may differ from laboratory performance.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

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Development Services Department
Lee's Summit, Missouri

02/18/2026



Juno SlimForm™ LED with Selectable CCT

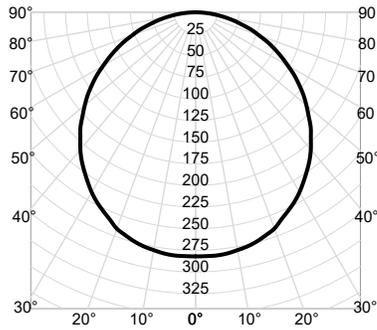
5" and 7" Round Downlight for JBox Installation



JSF

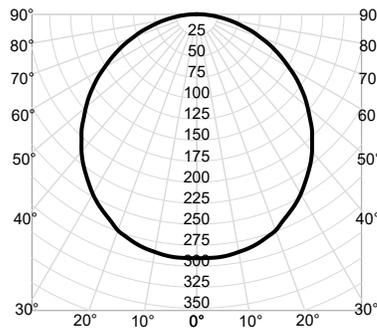
PHOTOMETRICS

JSF 5IN 07LM SWW5 - 27K Input Watts: 9.2, Delivered Lumens: 791, LPW: 86.0, S/MH: 1.25, Test No: ISF 231051P1



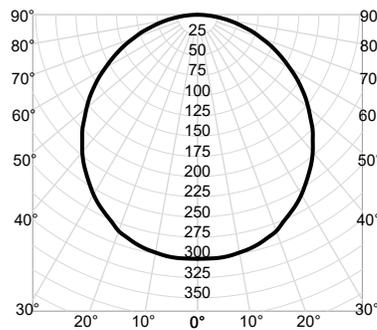
CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
				pw	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	282	0° - 30°	220	28%	0	119	119	119	116	116	116	111	111	111	6.0	7.8	17.9	0°	31,550			
5°	282	0° - 40°	358	45%	1	104	100	96	102	98	94	98	94	91	8.0	4.4	23.8	45°	29,745			
15°	274	0° - 60°	625	79%	2	91	84	78	89	82	77	85	80	75	10.0	2.8	29.8	55°	28,478			
25°	253	0° - 90°	791	100%	3	80	71	65	78	70	64	75	69	63	12.0	2.0	35.8	65°	26,737			
35°	224	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	1.4	41.7	75°	24,207			
45°	188	0° - 180°	791	100%	5	63	54	47	62	54	47	60	52	47				85°	21,822			
55°	146				6	57	48	41	56	47	41	54	47	41								
65°	101				7	52	43	37	51	42	36	49	42	36								
75°	56				8	47	39	33	46	38	33	45	38	32								
85°	17				9	43	35	29	43	35	29	42	34	29								
90°	0				10	40	32	27	39	32	27	38	31	27								

JSF 5IN 07LM SWW5 - 30K Input Watts: 9.1, Delivered Lumens: 814, LPW: 89.5, S/MH: 1.25, Test No: ISF 231051P2



CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
				pw	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	290	0° - 30°	227	28%	0	119	119	119	116	116	116	111	111	111	6.0	8.1	17.9	0°	32,496			
5°	290	0° - 40°	369	45%	1	104	100	96	102	98	94	98	94	91	8.0	4.5	23.8	45°	30,638			
15°	282	0° - 60°	643	79%	2	91	84	78	89	82	77	85	80	75	10.0	2.9	29.8	55°	29,332			
25°	261	0° - 90°	814	100%	3	80	71	65	78	70	64	75	69	63	12.0	2.0	35.8	65°	27,539			
35°	231	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	1.5	41.7	75°	24,933			
45°	194	0° - 180°	814	100%	5	63	54	47	62	54	47	60	52	47				85°	22,477			
55°	150				6	57	48	41	56	47	41	54	47	41								
65°	104				7	52	43	37	51	42	36	49	42	36								
75°	58				8	47	39	33	46	38	33	45	38	32								
85°	18				9	43	35	29	43	35	29	42	34	29								
90°	0				10	40	32	27	39	32	27	38	31	27								

JSF 5IN 07LM SWW5 - 35K Input Watts: 8.9, Delivered Lumens: 846, LPW: 95.1, S/MH: 1.25, Test No: ISF 231051P3



CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
				pw	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	302	0° - 30°	236	28%	0	119	119	119	116	116	116	111	111	111	6.0	8.4	17.9	0°	33,758			
5°	302	0° - 40°	383	45%	1	104	100	96	102	98	94	98	94	91	8.0	4.7	23.8	45°	31,827			
15°	293	0° - 60°	668	79%	2	91	84	78	89	82	77	85	80	75	10.0	3.0	29.8	55°	30,471			
25°	271	0° - 90°	846	100%	3	80	71	65	78	70	64	75	69	63	12.0	2.1	35.8	65°	28,609			
35°	240	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	1.5	41.7	75°	25,901			
45°	201	0° - 180°	846	100%	5	63	54	47	62	54	47	60	52	47				85°	23,350			
55°	156				6	57	48	41	56	47	41	54	47	41								
65°	108				7	52	43	37	51	42	36	49	42	36								
75°	60				8	47	39	33	46	38	33	45	38	32								
85°	18				9	43	35	29	43	35	29	42	34	29								
90°	0				10	40	32	27	39	32	27	38	31	27								

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Lee's Summit, Missouri

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Juno SlimForm™ LED with Selectable CCT

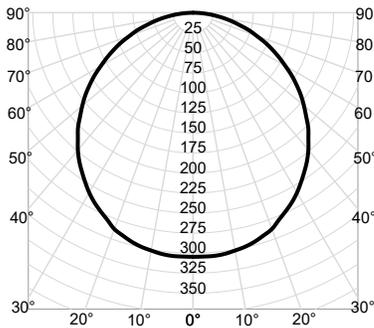
5" and 7" Round Downlight for JBox Installation



JSF

PHOTOMETRICS

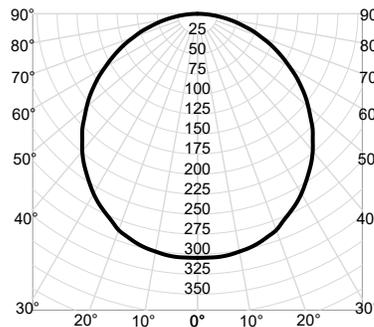
JSF 5IN 07LM SWW5 - 40K Input Watts: 9.1, Delivered Lumens: 854, LPW: 93.8, S/MH: 1.25, Test No: ISF 231051P4



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
0°	0° - 30°	238	28%	0	119	119	119	116	116	116	111	111	111	6.0	8.5	17.9	0°	34,074		
5°	0° - 40°	386	45%	1	104	100	96	102	98	94	98	94	91	8.0	4.8	23.8	45°	32,125		
15°	0° - 60°	675	79%	2	91	84	78	89	82	77	85	80	75	10.0	3.0	29.8	55°	30,756		
25°	0° - 90°	854	100%	3	80	71	65	78	70	64	75	69	63	12.0	2.1	35.8	65°	28,876		
35°	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	1.6	41.7	75°	26,143		
45°	0° - 180°	854	100%	5	63	54	47	62	54	47	60	52	47				85°	23,568		
55°		158		6	57	48	41	56	47	41	54	47	41							
65°		109		7	52	43	37	51	42	36	49	42	36							
75°		60		8	47	39	33	46	38	33	45	38	32							
85°		18		9	43	35	29	43	35	29	42	34	29							
90°		0		10	40	32	27	39	32	27	38	31	27							

Beam Angle: 112.3°
Field Angle: 163.9°

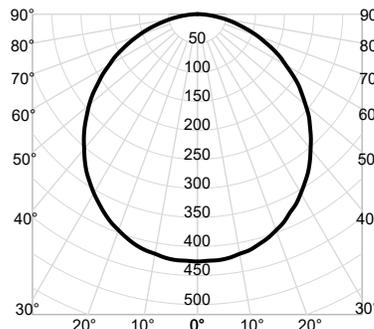
JSF 5IN 07LM SWW5 - 50K Input Watts: 9.2, Delivered Lumens: 854, LPW: 92.8, S/MH: 1.25, Test No: ISF 231051P5



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
0°	0° - 30°	238	28%	0	119	119	119	116	116	116	111	111	111	6.0	8.5	17.9	0°	34,074		
5°	0° - 40°	386	45%	1	104	100	96	102	98	94	98	94	91	8.0	4.8	23.8	45°	32,125		
15°	0° - 60°	675	79%	2	91	84	78	89	82	77	85	80	75	10.0	3.0	29.8	55°	30,756		
25°	0° - 90°	854	100%	3	80	71	65	78	70	64	75	69	63	12.0	2.1	35.8	65°	28,876		
35°	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	1.6	41.7	75°	26,143		
45°	0° - 180°	854	100%	5	63	54	47	62	54	47	60	52	47				85°	23,568		
55°		158		6	57	48	41	56	47	41	54	47	41							
65°		109		7	52	43	37	51	42	36	49	42	36							
75°		60		8	47	39	33	46	38	33	45	38	32							
85°		18		9	43	35	29	43	35	29	42	34	29							
90°		0		10	40	32	27	39	32	27	38	31	27							

Beam Angle: 112.3°
Field Angle: 163.9°

JSF 7IN 10LM SWW5 - 27K Input Watts: 12.0, Delivered Lumens: 1182, LPW: 98.5, S/MH: 1.24, Test No: ISF 23588P1



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
0°	0° - 30°	331	28%	0	119	119	119	116	116	116	111	111	111	6.0	11.8	16.9	0°	18,617		
5°	0° - 40°	538	45%	1	104	100	96	102	98	94	97	94	91	8.0	6.7	22.5	45°	16,934		
15°	0° - 60°	937	79%	2	91	84	78	89	83	77	85	80	75	10.0	4.3	28.2	55°	16,153		
25°	0° - 90°	1,182	100%	3	80	72	65	78	71	64	75	69	63	12.0	3.0	33.8	65°	14,891		
35°	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	2.2	39.5	75°	12,833		
45°	0° - 180°	1,182	100%	5	63	54	48	62	54	47	60	52	47				85°	10,029		
55°		212		6	57	48	42	56	47	41	54	47	41							
65°		144		7	52	43	37	51	42	37	49	42	36							
75°		76		8	47	39	33	46	38	33	45	38	32							
85°		20		9	43	35	29	43	35	29	42	34	29							
90°		0		10	40	32	27	39	32	27	38	31	27							

Beam Angle: 109.3°
Field Angle: 161.5°

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Lee's Summit, Missouri

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Juno SlimForm™ LED with Selectable CCT

5" and 7" Round Downlight for JBox Installation

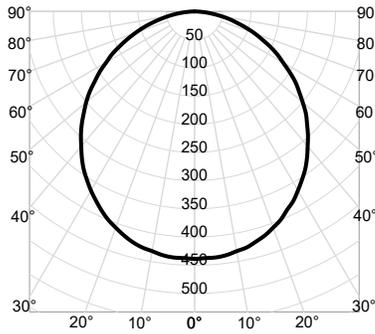
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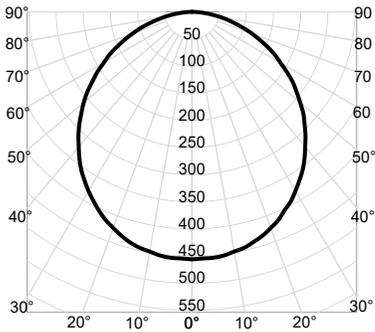
PHOTOMETRICS

JSF 7IN 10LM SWW5 - 30K Input Watts: 12.3, Delivered Lumens: 1218, LPW: 99.0, S/MH: 1.24, Test No: ISF 23588P2



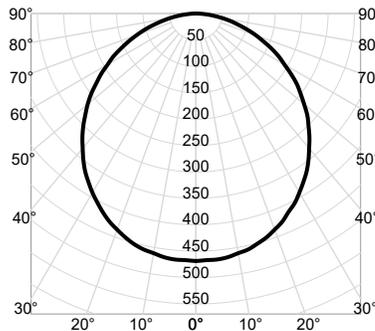
CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%	70%	50%	80%	70%	50%	80%	70%	50%	80%	70%	50%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
0°	0° - 30°	341	28%	0	119	119	119	116	116	116	111	111	111	6.0	12.2	16.9	0°	19,176				
5°	0° - 40°	554	45%	1	104	100	96	102	98	94	97	94	91	8.0	6.9	22.5	45°	17,442				
15°	0° - 60°	966	79%	2	91	84	78	89	83	77	85	80	75	10.0	4.4	28.2	55°	16,637				
25°	0° - 90°	1,218	100%	3	80	72	65	78	71	64	75	69	63	12.0	3.0	33.8	65°	15,338				
35°	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	2.2	39.5	75°	13,218				
45°	0° - 180°	1,218	100%	5	63	54	48	62	54	47	60	52	47	Beam Angle: 109.3°			85°	10,329				
55°		218		6	57	48	42	56	47	41	54	47	41	Field Angle: 161.5°								
65°		148		7	52	43	37	51	42	37	49	42	36									
75°		78		8	47	39	33	46	38	33	45	38	32									
85°		21		9	43	35	29	43	35	29	42	34	29									
90°		0		10	40	32	27	39	32	27	38	31	27									

JSF 7IN 10LM SWW5 - 35K Input Watts: 12.1, Delivered Lumens: 1265, LPW: 104.5, S/MH: 1.24, Test No: ISF 23588P3



CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%	70%	50%	80%	70%	50%	80%	70%	50%	80%	70%	50%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
0°	0° - 30°	354	28%	0	119	119	119	116	116	116	111	111	111	6.0	12.7	16.9	0°	19,920				
5°	0° - 40°	575	45%	1	104	100	96	102	98	94	97	94	91	8.0	7.1	22.5	45°	18,120				
15°	0° - 60°	1,003	79%	2	91	84	78	89	83	77	85	80	75	10.0	4.6	28.2	55°	17,284				
25°	0° - 90°	1,265	100%	3	80	72	65	78	71	64	75	69	63	12.0	3.2	33.8	65°	15,933				
35°	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	2.3	39.5	75°	13,731				
45°	0° - 180°	1,265	100%	5	63	54	48	62	54	47	60	52	47	Beam Angle: 109.3°			85°	10,731				
55°		227		6	57	48	42	56	47	41	54	47	41	Field Angle: 161.5°								
65°		154		7	52	43	37	51	42	37	49	42	36									
75°		81		8	47	39	33	46	38	33	45	38	32									
85°		21		9	43	35	29	43	35	29	42	34	29									
90°		0		10	40	32	27	39	32	27	38	31	27									

JSF 7IN 10LM SWW5 - 40K Input Watts: 12.2, Delivered Lumens: 1301, LPW: 106.6, S/MH: 1.24, Test No: ISF 23588P4



CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%	70%	50%	80%	70%	50%	80%	70%	50%	80%	70%	50%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
0°	0° - 30°	364	28%	0	119	119	119	116	116	116	111	111	111	6.0	13.0	16.9	0°	20,479				
5°	0° - 40°	592	45%	1	104	100	96	102	98	94	97	94	91	8.0	7.3	22.5	45°	18,628				
15°	0° - 60°	1,031	79%	2	91	84	78	89	83	77	85	80	75	10.0	4.7	28.2	55°	17,768				
25°	0° - 90°	1,300	100%	3	80	72	65	78	71	64	75	69	63	12.0	3.3	33.8	65°	16,380				
35°	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	2.4	39.5	75°	14,116				
45°	0° - 180°	1,301	100%	5	63	54	48	62	54	47	60	52	47	Beam Angle: 109.3°			85°	11,031				
55°		233		6	57	48	42	56	47	41	54	47	41	Field Angle: 161.5°								
65°		158		7	52	43	37	51	42	37	49	42	36									
75°		84		8	47	39	33	46	38	33	45	38	32									
85°		22		9	43	35	29	43	35	29	42	34	29									
90°		0		10	40	32	27	39	32	27	38	31	27									



Juno SlimForm™ LED with Selectable CCT

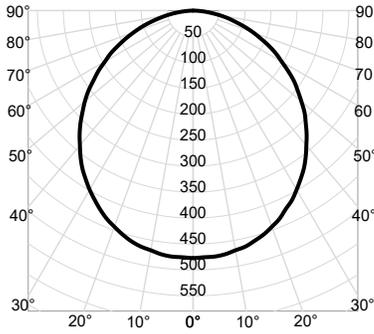
5" and 7" Round Downlight for JBox Installation



JSF

PHOTOMETRICS

JSF 7IN 10LM SWW5 - 50K Input Watts: 12.3, Delivered Lumens: 1324, LPW: 107.6, S/MH: 1.24, Test No: ISF 23588P5



CP Summary		Zonal Lumen Summary		Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)		
0°	Zone	Lumens	% Fixture	pf	80%		20%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
				pc	50%	30%	10%	50%	30%	10%	50%	30%							
0°	477	0° - 30°	370	28%	0	119	119	119	116	116	116	111	111	111	6.0	13.3	16.9	0°	20,851
5°	476	0° - 40°	602	45%	1	104	100	96	102	98	94	97	94	91	8.0	7.5	22.5	45°	18,967
15°	459	0° - 60°	1,050	79%	2	91	84	78	89	83	77	85	80	75	10.0	4.8	28.2	55°	18,091
25°	422	0° - 90°	1,324	100%	3	80	72	65	78	71	64	75	69	63	12.0	3.3	33.8	65°	16,678
35°	372	90° - 180°	0	0%	4	71	62	55	69	61	55	67	60	54	14.0	2.4	39.5	75°	14,373
45°	307	0° - 180°	1,324	100%	5	63	54	48	62	54	47	60	52	47				85°	11,232
55°	237				6	57	48	42	56	47	41	54	47	41					
65°	161				7	52	43	37	51	42	37	49	42	36					
75°	85				8	47	39	33	46	38	33	45	38	32					
85°	22				9	43	35	29	43	35	29	42	34	29					
90°	0				10	40	32	27	39	32	27	38	31	27					

Beam Angle: 109.3°
Field Angle: 161.5°

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Lee's Summit, Missouri

02/18/2026

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Round Straight Aluminum is a general purpose light pole for up to 30-foot mounting heights. This pole provides a lighter and naturally corrosion-resistant option for mounting area light fixtures and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform wall thickness and is one-piece extruded 6063 aluminum alloy with T6 temper. The shaft is uniform in cross-section down length of pole with no taper. Available shaft diameters are 4", 4.5", 5", and 6".

Pole Top: Options include tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. A removable cast aluminum top cap with set screws is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with open top (PT) option. The top cap resists intrusion of moisture and environmental contaminants.

Handhole: A non-reinforced handhole with grounding provision is provided near the base. Standard positioning varies with shaft width as follows: 4", 4.5", and 5" shaft, handhole at 12"; 6" shaft, handhole at 18". Positioning the handhole lower than standard may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. All handholes for a pole specified with openings for 4" through 6" shaft width has nominal dimension of 2" x 4" with surface mount overlap design. Standard and extra handholes come with cover and attachment hardware.

Bolt Caps/Base Cover: Pole base plate utilizes cast aluminum A365 bolt caps to cover anchor bolt and nut assembly. 1 piece, spun aluminum base cover available as an option.

Anchor Base/Bolts: Anchor base is cast from A356 alloy aluminum and is heat treated to a T6 temper after welding. Anchor bolts are manufactured to ASTM F1554 Standards Grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Upper portion of anchor bolt is galvanized per ASTM A-153; bolts have an "L" bend on bottom end and are galvanized a minimum of 12" on the threaded end. Each hot-dipped galvanized anchor bolt is furnished with two hex nuts and two flat washers.

HARDWARE — All structural and non-structural fasteners are stainless-steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Standard powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Other finishes include Brushed Aluminum, and Anodized Dark Bronze, Anodized Natural Aluminum and Anodized Black. Architectural Colors and Special Finishes are available by quote and include, but are not limited to RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

GROUNDING — Grounding provision is located in handhole near the base. Grounding hardware is not included (provided by others).

INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Anchor Base Poles

RSA

ROUND STRAIGHT ALUMINUM



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Development Services Department
Lee's Summit, Missouri

02/18/2026

RSA Round Straight Aluminum Poles

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: RSA 16 4-5C DM19 BA

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹	Mounting ²		
RSA	8'-30' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" (.125") 4-5C 4 1/2" (.125") 4-5G 4 1/2" (.188") 5C 5" (.125") 5E 5" (.156") 5G 5" (.188") 6E 6" (.156") 6G 6" (.188") (See technical information table for complete ordering information.)	<u>Tenon mounting</u> PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <u>KAC/KAD/KSE/KSF/KVR/KVF Drill mounting³</u> DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM32 3 at 120° DM39 3 at 90° DM49 4 at 90° <u>CSX/DSX/R SX/AERIS™/OMERO™/HLA/KAX Drill mounting³</u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM32AS 3 at 120° DM39AS 3 at 90° DM49AS 4 at 90°	<u>RAD drill mounting³</u> DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° <u>ESX Drill mounting³</u> DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	<u>AERIS™ Suspend drill mounting^{3,4}</u> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° <u>OMERO™ Suspend drill mounting^{3,4}</u> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°

Options	Finish ¹⁰
L/AB Less anchor bolts (Include when anchor bolts are not needed)	<u>Super durable paint colors</u>
VD Vibration damper	DDBXD Dark bronze
TP Tamper resistant handhole cover fasteners	DBLXD Black
HAXy Horizontal arm bracket (1 fixture) ^{5,6}	DNAXD Natural aluminum
FDLxy Festoon outlet less electrical ^{5,7}	DWHXD White
CPL12/xy 1/2" I.D. coupling ⁵	DDBTXD Textured dark bronze
CPL34/xy 3/4" I.D. coupling ⁵	DBLBXD Textured black
CPL1/xy 1" I.D. coupling ⁵	DNATXD Textured natural aluminum
NPL12/xy 1/2" O.D. threaded nipple ⁵	DWHGXD Textured white
NPL34/xy 3/4" O.D. threaded nipple ⁵	<u>Brushed finish</u>
NPL1/xy 1" O.D. threaded nipple ⁵	BA Brushed aluminum
EHHxy Extra handhole ^{5,8}	<u>Class 1 architectural anodized</u>
BAA Buy America(n) Act Compliant ⁹	ABL Black
UL UL listed with label (Includes NEC compliant cover)	ADB Dark bronze
NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)	ANA Natural
FBC Full base cover (spun aluminum)	<u>Architectural colors and special finishes</u>
	Duranodic Anodize, Paint over Duranodic Anodize, RAL Colors, Custom Colors and Extended Warranty Finishes available.

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Accessories: Order as separate catalog number.	
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings

NOTES:

- Wall thickness will be signified with a "C", "E" or a "G" in nomenclature. "C" - 0.125 | "E" - 0.156 | "G" - 0.188.
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard with radius curve providing 12' rise. If ordering two horizontal arm at the same height, specify with HAXxy. Example: HA20BD
- FDL does not come with additional covering. Festoons must be a minimum of 3ft (36in) from the base in any orientation. Distance between any festoon and/or handhole must be at least 1ft and 6in (18in) apart in any orientation.
- Combination of tenon-top and drill mount includes extra handhole. Extra Handholes must be a minimum of 3ft (36in) from the base in any orientation. Distance between any festoon and/or handhole must be at least 1ft and 6in (18in) apart in any orientation.
- Use when mill certifications are required. Some configurations may be excluded, consult factory.
- Finish must be specified. Additional colors available; see Architectural Colors brochure linked [here](#) (Form No. 794.3).

RSA Round Straight Aluminum Poles

TECHNICAL INFORMATION — EPA (FT ²) WITH 1.3 GUST									
Catalog number	Nominal mount ht. (ft) *	Pole shaft size (in x ft)	Wall thick (in)	EPA (ft ²) with 1.3 gust			Max. weight (lbs)	Bolt size (in. x in. x in.)	Approximate ship (lbs.)
				80 mph	90 mph	100 mph			
RSA 8 4C	8	4 x 8	0.125	11.2	8.6	6.8	125	3/4 x 18 x 3	22
RSA 8 4-5C	8	4-1/2 x 8	0.125	14.6	11.3	9.1	175	3/4 x 18 x 3	30
RSA 8 4-5G	8	4-1/2 x 8	0.188	21.8	17	13.7	225	3/4 x 18 x 3	38
RSA 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	3/4 x 18 x 3	26
RSA 10 4-5C	10	4-1/2 x 10	0.125	10.6	8.1	6.5	133	3/4 x 18 x 3	34
RSA 10 4-5G	10	4-1/2 x 10	0.188	16.3	12.6	10.1	175	3/4 x 18 x 3	43
RSA 10 5C	10	5 x 10	0.125	13.6	10.6	8.5	150	3/4 x 18 x 3	36
RSA 12 4C	12	4 x 12	0.125	6	4.3	3.2	110	3/4 x 18 x 3	30
RSA 12 4-5C	12	4-1/2 x 12	0.125	8.1	6	4.8	80	3/4 x 18 x 3	38
RSA 12 4-5G	12	4-1/2 x 12	0.188	12.7	9.7	7.7	185	3/4 x 18 x 3	50
RSA 12 5C	12	5 x 12	0.125	10.3	8	6.3	150	3/4 x 18 x 3	36
RSA 12 5E	12	5 x 12	0.156	13.2	10.3	8.2	200	3/4 x 18 x 3	44
RSA 12 5G	12	5 x 12	0.188	16.2	12.6	10.1	225	3/4 x 18 x 3	53
RSA 14 4C	14	4 x 14	0.125	4.1	2.8	1.9	75	3/4 x 18 x 3	35
RSA 14 4-5C	14	4-1/2 x 14	0.125	5.8	4.2	3.3	60	3/4 x 18 x 3	39
RSA 14 4-5G	14	4-1/2 x 14	0.188	9.7	7.3	5.8	190	3/4 x 18 x 3	56
RSA 14 5C	14	5 x 14	0.125	7.8	6	4.7	100	3/4 x 18 x 3	42
RSA 14 5E	14	5 x 14	0.156	10.3	8	6.3	125	3/4 x 18 x 3	47
RSA 14 5G	14	5 x 14	0.188	12.8	9.9	7.9	150	3/4 x 18 x 3	56
RSA 16 4C	16	4 x 16	0.125	2.8	1.6	1	150	3/4 x 18 x 3	38
RSA 16 4-5C	16	4-1/2 x 16	0.125	3.3	2.2	1.6	100	3/4 x 18 x 3	46
RSA 16 4-5G	16	4-1/2 x 16	0.188	7.5	5.5	4.3	155	3/4 x 18 x 3	62
RSA 16 5C	16	5 x 16	0.125	5.9	4.4	3.4	175	3/4 x 18 x 3	46
RSA 16 5E	16	5 x 16	0.156	8	6.1	4.8	190	3/4 x 18 x 3	53
RSA 16 5G	16	5 x 16	0.188	10.1	7.8	6.1	200	3/4 x 18 x 3	60
RSA 16 6E	16	6 x 16	0.156	13.6	10.6	8.4	225	3/4 x 30 x 3	53
RSA 16 6G	16	6 x 16	0.188	16.8	13	10.4	245	3/4 x 30 x 3	78
RSA 18 5G	18	5 x 18	0.188	8	6.8	4.7	225	3/4 x 18 x 3	68
RSA 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	3/4 x 18 x 3	48
RSA 18 5E	18	5 x 18	0.156	6.1	4.6	3.5	175	3/4 x 18 x 3	58
RSA 18 4-5G	18	4-1/2 x 18	0.188	5.7	4	3.1	123	3/4 x 18 x 3	68
RSA 18 6G	18	6 x 18	0.188	13.9	10.7	8.5	225	3/4 x 30 x 3	86
RSA 20 4-5G	20	4-1/2 x 20	0.188	4.3	2.9	2.1	95	3/4 x 18 x 3	74
RSA 20 5C	20	5 x 20	0.125	3	2.1	1.5	150	3/4 x 18 x 3	54
RSA 20 5E	20	5 x 20	0.156	4.7	3.4	2.6	150	3/4 x 18 x 3	68
RSA 20 5G	20	5 x 20	0.188	6.4	4.8	3.6	150	3/4 x 18 x 3	82
RSA 20 6E	20	6 x 20	0.156	9.3	7.1	5.5	175	3/4 x 30 x 3	95
RSA 20 6G	20	6 x 20	0.188	11.8	9.1	7.1	200	3/4 x 30 x 3	110
RSA 25 4-5G	25	4-1/2 x 25	0.188	1.3	--	--	100	3/4 x 18 x 3	89
RSA 25 6E	25	6 x 25	0.156	5.2	3.8	2.8	150	3/4 x 30 x 3	108
RSA 25 6G	25	6 x 25	0.188	7.1	5.3	4	150	3/4 x 30 x 3	128
RSA 30 6G	30	6 x 30	0.188	3.5	2.4	1.6	200	3/4 x 30 x 3	146

NOTE: EPA values are based ASCE 7-93 wind map.

*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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RSA Round Straight Aluminum Poles

TECHNICAL INFORMATION — EPA (ft ²) WITH 3-SECOND GUST PER AASHTO 2013																
Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight
RSA	8	4C	7.3	75	5.7	75	4.5	75	3.7	75	3.1	75	2.6	75	2.3	75
RSA	8	4-5C	10.2	100	8	100	6.5	100	5.4	100	4.6	100	3.9	100	3.4	100
RSA	8	4-5G	15.1	100	12.1	100	9.8	100	8.2	100	7	100	6	100	5.1	100
RSA	10	4C	5.5	75	4.2	75	3.2	75	2.6	75	2.1	75	1.8	75	1.5	75
RSA	10	4-5C	7.9	100	6.1	100	4.9	100	4	100	3.4	100	2.8	100	2.4	100
RSA	10	4-5G	12	100	9.4	100	7.6	100	6.3	100	5.3	100	4.5	100	3.9	100
RSA	10	5C	10.6	100	8.4	100	6.9	100	5.7	100	4.8	100	4.1	100	3.5	100
RSA	12	4C	4.1	75	3	75	2.2	75	1.6	75	1.3	75	1.1	75	0.9	75
RSA	12	4-5C	6.1	100	4.6	100	3.6	100	2.9	100	2.4	100	2	100	1.7	100
RSA	12	4-5G	9.6	100	7.4	100	5.9	100	4.9	100	4.1	100	3.5	100	2.9	100
RSA	12	5C	8.4	100	6.6	100	5.3	100	4.4	100	3.7	100	3.1	100	2.6	100
RSA	12	5E	10.8	100	8.5	100	6.9	100	5.7	100	4.8	100	4.1	100	3.5	100
RSA	12	5G	13.1	100	10.4	100	8.5	100	7	100	5.9	100	5	100	4.3	100
RSA	14	4C	3	75	2	75	1.3	75	0.9	75	0.6	75	0.5	75	-	-
RSA	14	4-5C	4.6	100	3.3	100	2.5	100	2	100	1.6	100	1.3	100	1.1	100
RSA	14	4-5G	7.7	100	5.8	100	4.6	100	3.7	100	3.1	100	2.6	100	2.2	100
RSA	14	5C	6.6	100	5.1	100	4	100	3.3	100	2.7	100	2.3	100	1.9	100
RSA	14	5E	8.7	100	6.7	100	5.4	100	4.5	100	3.7	100	3.1	100	2.6	100
RSA	14	5G	10.7	100	8.4	100	6.8	100	5.6	100	4.7	100	4	100	3.4	100
RSA	16	4C	2	75	1.2	75	0.6	75	-	-	-	-	-	-	-	-
RSA	16	4-5C	3.3	100	2.2	100	1.6	100	1.2	100	0.9	100	0.7	100	0.5	100
RSA	16	4-5G	6	100	4.4	100	3.3	100	2.7	100	2.2	100	1.8	100	1.5	100
RSA	16	5C	5	100	3.7	100	2.9	100	2.3	100	1.9	100	1.5	100	1.3	100
RSA	16	5E	6.8	100	5.2	100	4.1	100	3.3	100	2.7	100	2.3	100	1.9	100
RSA	16	5G	8.6	100	6.6	100	5.3	100	4.4	100	3.6	100	3	100	2.5	100
RSA	16	6E	13.1	100	10.5	100	8.5	100	7	100	5.9	100	5	100	4.3	100
RSA	16	6G	16.1	100	12.9	100	10.5	100	8.7	100	7.3	100	6.2	100	5.3	100
RSA	18	5G	6.8	100	5.1	100	4.1	100	3.3	100	2.7	100	2.2	100	1.8	100
RSA	18	5C	3.6	100	2.6	100	2	100	1.5	100	1.2	100	0.9	100	0.7	100
RSA	18	5E	5.2	100	3.9	100	3	100	2.4	100	1.9	100	1.5	100	1.3	100
RSA	18	4-5G	4.6	100	3.1	100	2.3	100	1.8	100	1.4	100	1.1	100	0.9	100
RSA	18	6G	13.4	100	10.6	100	8.6	100	7.1	100	5.9	100	5	100	4.3	100
RSA	20	4-5G	3.3	100	2.1	100	1.4	100	1	100	0.7	100	0.5	100	-	-
RSA	20	5C	2.4	100	1.6	100	1.1	100	0.8	100	0.5	100	-	-	-	-
RSA	20	5E	3.8	100	2.7	100	2	100	1.6	100	1.2	100	0.9	100	0.7	100
RSA	20	5G	5.2	100	3.8	100	3	100	2.3	100	1.9	100	1.5	100	1.2	100
RSA	20	6E	8.8	100	6.9	100	5.5	100	4.5	100	3.7	100	3.1	100	2.6	100
RSA	20	6G	11.1	100	8.7	100	7	100	5.8	100	4.8	100	4	100	3.4	100
RSA	25	4-5G	0.8	100	-	-	-	-	-	-	-	-	-	-	-	-
RSA	25	6E	4.9	100	3.7	100	2.8	100	2.2	100	1.7	100	1.3	100	1	100
RSA	25	6G	6.7	100	5.1	100	4	100	3.2	100	2.5	100	2.1	100	1.7	100
RSA	30	6G	3.4	100	2.4	100	1.7	100	1.2	100	0.8	100	0.6	100	-	-

NOTES: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table below).

1) Maximum EPA (Effective Projected Area) and weight values are based on the load centroid being 2.5' above the pole top and with 2' eccentricity.

Variations from the sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design

2) Structure weight is a nominal value which includes the pole shaft and base plate only.

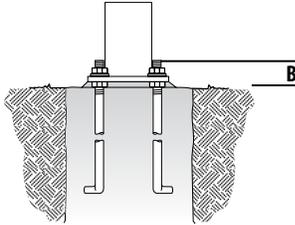
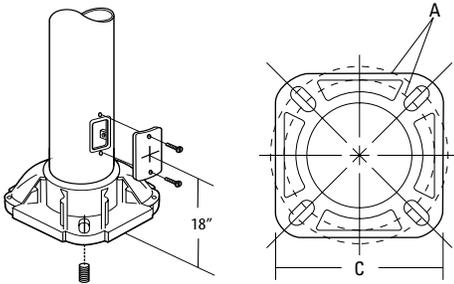
*For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

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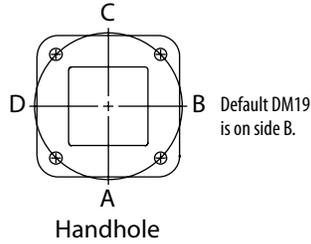
RSA Round Straight Aluminum Poles

BASE DETAIL



POLE DATA					
Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Template description	Anchor bolt description
4"	6.75" - 8.00"	3.25"	8.91"	ABTEMPLATE PJ50057	AB18-0
4.5"	7.125" - 8.38"	3.25"	9.26"	ABTEMPLATE PJ50040	AB18-0
5"	7.75" - 8.00"	3.25"	9.61"	ABTEMPLATE PJ50058	AB18-0
6"	9.00"-10.00"	3.50"	10.32"	ABTEMPLATE PJ50059	AB30-0

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

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CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



3140C LED

Impact Resistant Square Bollard Flat Top

HIGHLIGHTS

- A confident solution for safety and performance in a proven vandal resistant bollard
- Motion Sensing Bi-Level switching using electromagnetic occupancy sensor → 20ft range
- USB receptacle or GFCI receptacle options
- 0-10V Dimming, ELV dimming
- Emergency operation up to 90 minutes
- 1810 lumens

5
YEAR
warranty



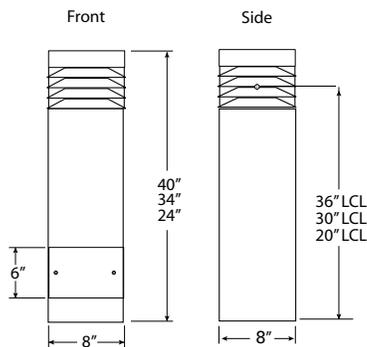
IP65



Specifications

Diameter:	9"
	229 mm
Diameter ² :	8"
	204 mm
Height:	42"
	1016 mm
Height ² :	36"
	915 mm
Weight:	35lbs

DIMENSIONS



LUMEN PACKAGES

	SYM
Delivered Lumens	1810
Watts	84
LPW	22

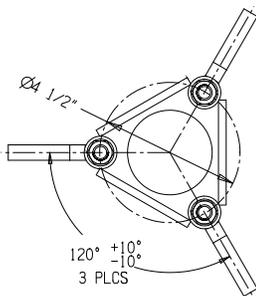
Note: Information Based on 50K

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MOUNTING



ORDERING INFORMATION
EXAMPLE: 3140C H36 8COB 50K MVOLT SYM BL

Series	Height	Lamp type	Color	Voltage	Distribution	Options ⁴
3140C	H24	4COB ¹	20K	2000°K Color Temp	MVOLT (120-277 volt)	SYM Symmetrical 360° FT³ Forward Throw BLS^{5,6} Bi-Level Switching (Motion Activated) GFCI Receptacle; 120 volt only, cannot be used with USB ELN^{5,7} Emergency Operation (1387.5 lumen output; 90 minutes) LDIM 0-10V Dimming (Dims to 10%) IDIM⁶ In-line Trailing Edge ELV Dimming (Dims to 40%); 120 volt only USB USB charging port, 120 volt only, cannot be used with GFCI
	H36	8COB	30K	3000°K Color Temp	120 ²	
	H42		40K	4000°K Color Temp	277 ²	
			50K	5000°K Color Temp	347	
			AMBLW	Limited wavelength Amber 591 Nanometers		

Finish		Optional Louvers Painted ⁹	
BL Black	STG Steel Gray	___/PL Louvers painted to match fixture (top only)	
BZ Bronze	TVG Terra Verde Green		
DDB Dark Bronze	WH White		
DNA Natural Aluminum	CF Custom		
GN Green	___Z⁸ Zinc Undercoat		
GR Gray	RALTB RAL Paint Finishes		
SND Sand	Note: RALTB for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended that Hydrel products only use textured paint.		

ELECTRICAL LOAD

Light Engines	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
8 COB	250mA	72.35	0.603	0.348	0.301	0.261	0.209	0.151
	300mA	83.95	0.700	0.404	0.350	0.303	0.242	0.175

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the Fixture platform in a 25°C ambient, based on 13,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).
 To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.91	0.85	0.75

Notes:

- 4COB for use with 20K and AMBLW only, 20K and AMBLW require 4COB.
- Required with ELN or BLS.
- FT not available with BLS.
- BLS is not available with ELN, LDIM or IDIM.
- ELN and BLS require 120 or 277 voltage, not MVOLT or 347.
- Drive current will be 250.
- ELN not available on 24" height.
- Add zinc undercoat for harsh environments.
- Louvers will be black unless otherwise specified (top only).

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LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.05
10°C	1.03
20°C	1.01
25°C	1.00
30°C	0.99
40°C	0.98

HYDREL

LED lighting facts[®]
A Program of the U.S. DOE

Light Output (Lumens) 1534
Watts 83.95
Lumens per Watt (Efficacy) 18

Color Accuracy
 Color Rendering Index (CRI) 84

Light Color
 Correlated Color Temperature (CCT) 4028 (Bright White)

2700K | 3000K | 4500K | 6500K

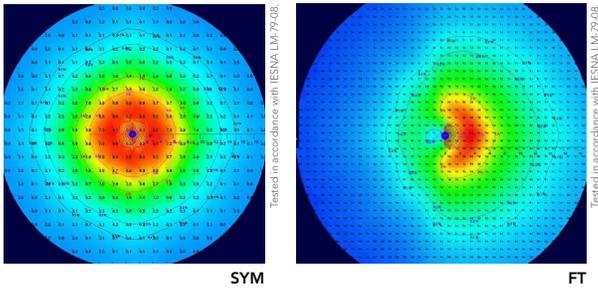
All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: DHMB-SWXOUI (7/23/2014)
 Model Number: 3100 8COB 40K SYM
 Type: Luminaire - Bollard

PERFORMANCE DATA

Isocandela plots for 3100 COB. To see complete photometric reports or download .ies files for this product, visit www.hydreel.com/



LUMEN OUTPUT

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact Factory for performance data on any configuration not shown here.

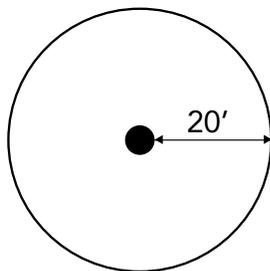
Light Engines	Distribution	Drive Current	System Watt	Lumens	LPW	B	U	G
3000K	SYM	250*	72	1300	18	1	2	1
		300	84	1525	18	1	2	1
4000K	SYM	250*	72	1320	18	1	2	1
		300	84	1535	18	1	2	1
5000K	SYM	250*	72	1535	21	1	2	1
		300	84	1810	22	2	2	1
2000K	SYM	1050	72	900	13	1	2	1

*Used with IDIM and BLS options.

LED LIFE: L80/64,000 hours

OPERATING TEMPERATURE: -20°C Through 50°C

APPROXIMATE MOTION SENSOR COVERAGE AREA:



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 As Noted on Plan Review

Development Services Department
 Lee's Summit, Missouri

 02/18/2026

SPECIFICATIONS AND FEATURES

MATERIAL: Copper-free aluminum, A360.

LED ARRAY: 72W and 84W (total system input wattage) Lumen maintenance of individual light sources have been independently tested to IESNA LM-80 standards. All within 3 MacAdam ellipses.

VOLTAGE: MVOLT 50/60Hz, 120, 277 or 347

DISTRIBUTION: SYM - Symmetric, FT - Forward Throw

LENS: Frosted borosilicate glass.

POWER SUPPLY: Integrally mounted LED driver run at 300mA, -20°C through 50°C standard.

FINISH: Super durable polyester TGIC powder coat finish (standard). Optional zinc undercoat for harsh environments.

FASTENERS: Stainless Steel.

LISTING: cCSAus, suitable for wet locations, laboratory tests conducted by CSA to UL Standard UL-1598 and UL-8750.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY: 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Consult factory for details.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



iRAIL™ LIGHTED RAILING SYSTEM PRODUCT DATA



DESIGN + ENGINEER + FABRICATE + INSTALL



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Lee's Summit, Missouri

02/18/2026

iRAIL™ LED SYSTEM

Our iRAIL System is a LED illuminated version of our 1.5” diameter rails. iRAIL uses an ADA compliant roll-formed (monolithic) slotted rail, that houses a high-performance LED assembly.

VIVA iRAIL uses a specially designed LED that can provide full-length coverage of illumination for whatever your rail run may be, compared to the traditional LED railing assemblies that were only available in preset section lengths.

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Lee's Summit, Missouri
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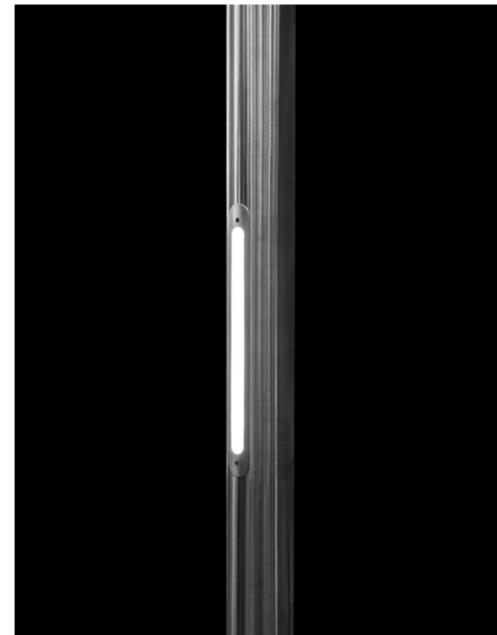
LINEAR



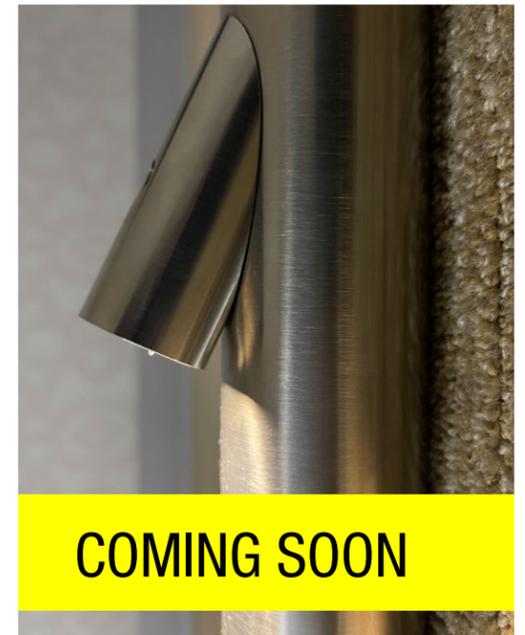
PODS



CAPSULE



SCONCE



COMING SOON



iRAIL™ LED SYSTEM - TECHNICAL DATA

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As Noted on Plan Review

Development Services Department
Lee's Summit, Missouri

02/18/2026



	TOP RAIL / HAND RAIL	FINISH	SPEC
iRAIL LINEAR (CONTINUOUS iRAIL)	Ø1-1/2" Stainless Steel (304 or 316)	#6 Satin	Color: 3000K Warm White or 4000K Cool White ² Output: Medium: 3 Watt/ft – 185 lumens/ft. High: 5 Watt/ft – 250 lumens/ft. Beam Angle: 120° Orientation: Symmetrical or Asymmetrical at 30° Power: Input 120 - 277 V AC, Output 12 V DC Lens: Clear or Frosted CRI: >90 Rating: IP67
	Ø1-1/2" Stainless Steel 201	Powder Coat	
	Ø2" Wood (Red Oak, White Oak, Cherry or Maple) ²	Unstained	
iRAIL PODS	Ø1-1/2" Stainless Steel (304 or 316)	#6 Satin	Color: 3000K Warm White or 4000K Cool White ² Output: 1.5 Watt - 130 lumens for sym., 106 lumens for Asym. per pod Beam Angle: 60° Orientation: Symmetrical or Asymmetrical at 22° Power: Input 100 - 305 V AC, Output 12 V DC CRI: >80 Rating: IP67
	Ø1-1/2" Stainless steel (201)	Powder Coat	
	Ø2" Stainless Steel (304 or 316)	#6 Satin	
	Ø2" Stainless Steel (201)	Powder Coat	
iRAIL CAPSULE	POST	FINISH	SPEC
	Ø2" Post Stainless steel (304 or 316) 2"x2"Post Stainless steel(304 or 316)	#6 Satin	Color: 3000K Warm White or 4000K Cool White Output: 1.5W-117 Lumens Sym, 2.5W-190 Lumens Sym, 3.5W-248 Lm Sym. Beam Angle: 120° Orientation: Symmetrical 0° Power: Input 120-277 VAC, Output 24 V DC CRI: >80 Rating: IP67
Ø2" Post Stainless steel (201) 2"x2"Post Stainless steel (201)	Powder Coat		



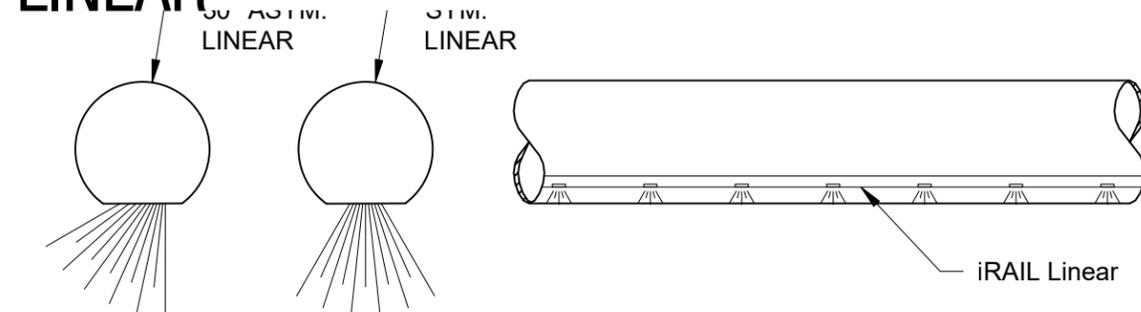
All LED LINEAR products are ETL certified; ETL mark is proof of product compliance to North American safety standard.

2. Other species available upon request



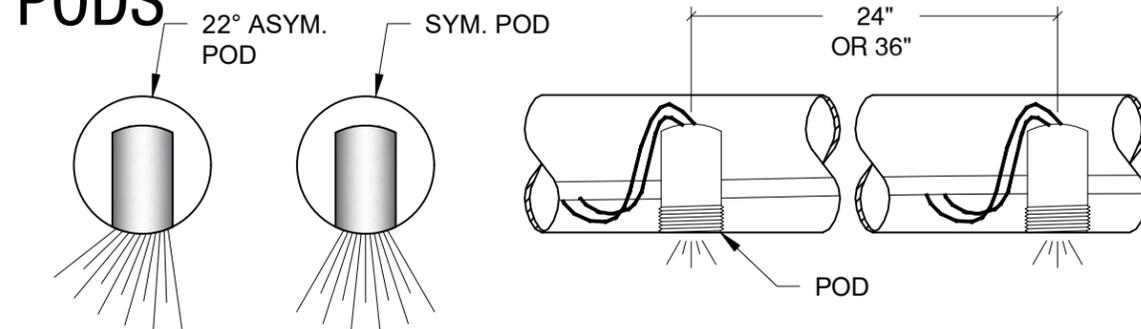
LIGHTED TOPRAIL / HANDRAIL

LINEAR



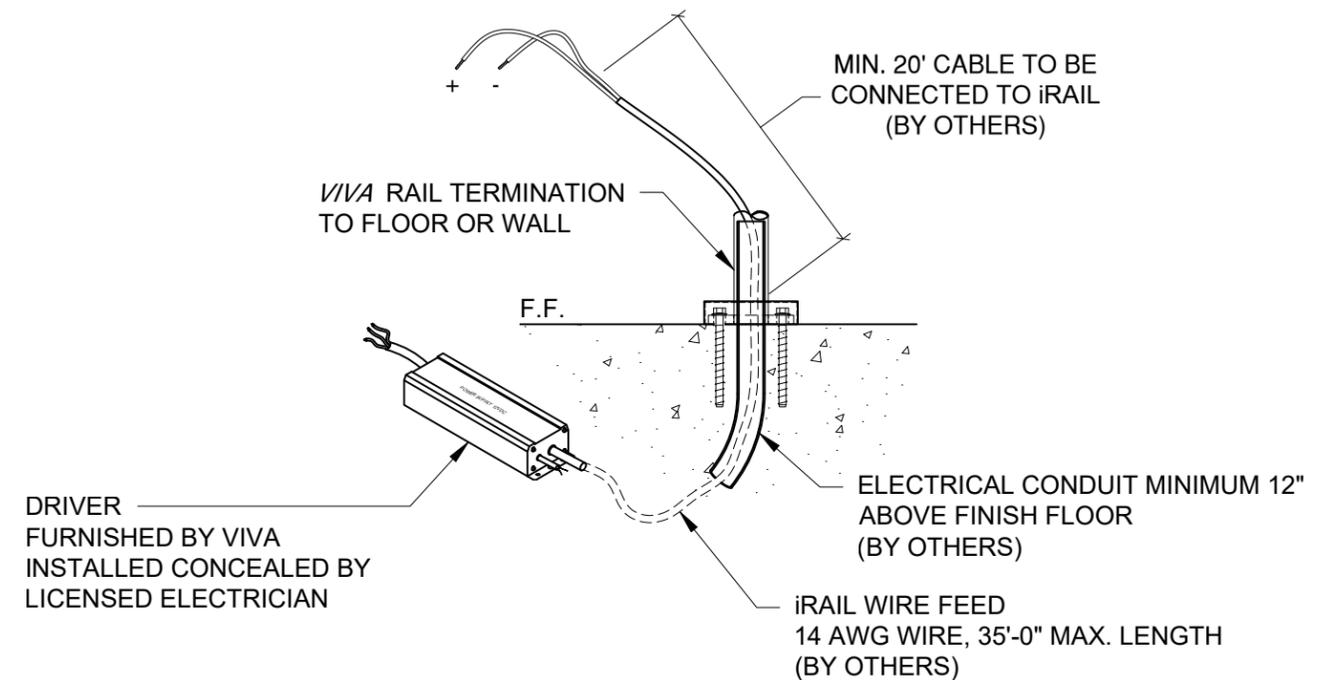
iRAIL LINEAR ORIENTATION OPTIONS

PODS



iRAIL POD ORIENTATION OPTIONS

iRAIL POD SPACING OPTIONS

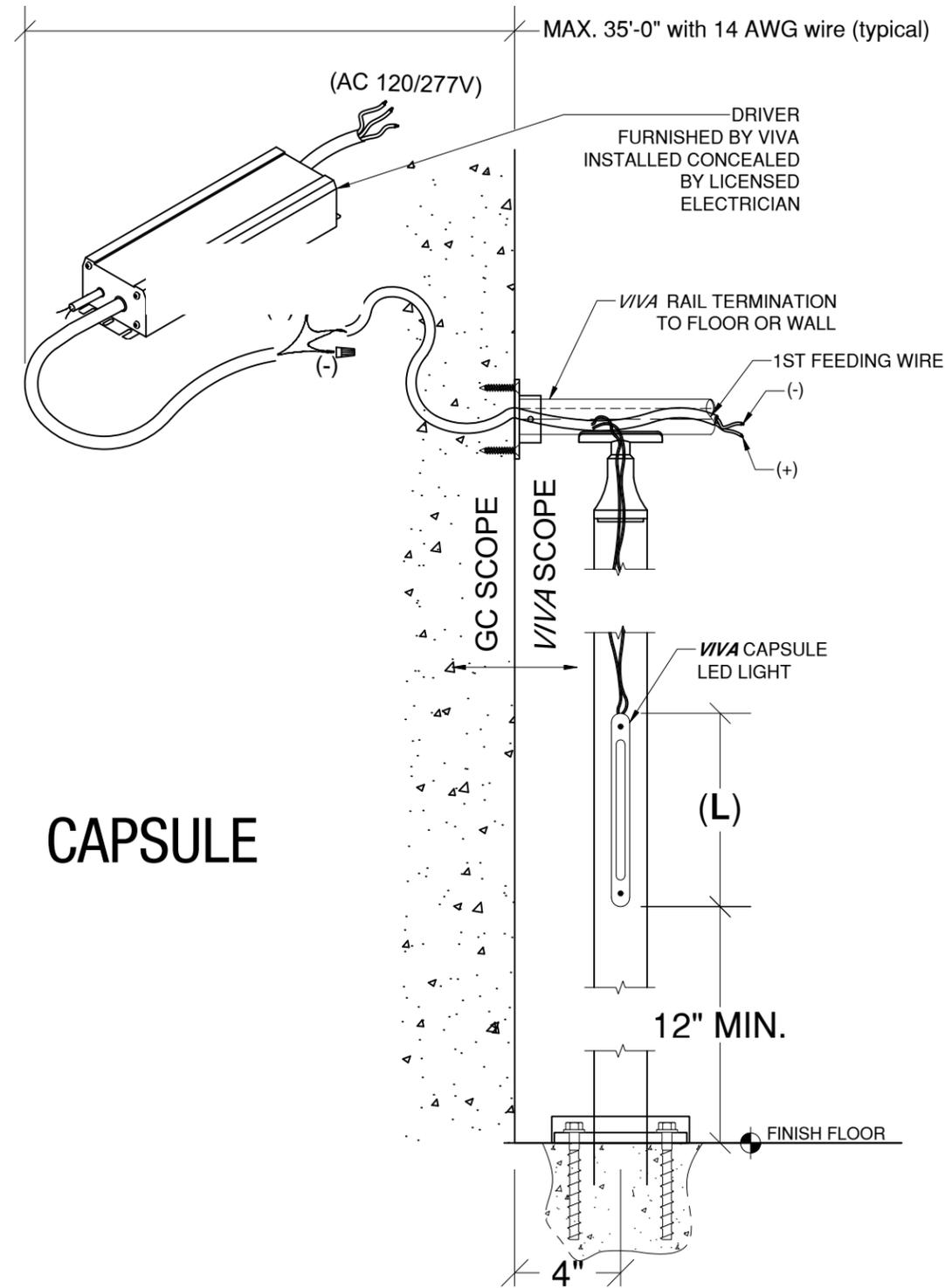


PROVIDE ONE PAIR OF WIRES 14 GA (BLACK-RED) FOR EVERY iRAIL RUN. EVERY iRAIL RUN COVERS:

- 32ft MAX FOR iRAIL LINEAR MEDIUM INTENSITY (3 W/ft)
- OR 16ft MAX FOR iRAIL LINEAR HIGH INTENSITY (5 W/ft)
- OR 32ft MAX FOR iRAIL POD



LIGHTED POST



CAPSULE

SPECIFICATIONS:

- Color Temp
 - 3000K Warm White or 4000K Cool White

- Power
 - 1.5 W/light (S18R185)
 - 2.5 W/light (S18R285)
 - 3.5 W/light (S18R385)

- Length (L)
 - 185mm (S18R185)
 - 285mm (S18R285)
 - 385mm (S18R385)

- Output:
 - 117lm Sym. (S18R185)
 - 190lm Sym. (S18R285)
 - 248lm Sym. (S18R385)

- Beam angle: 120°
- Orientation
 - Symmetrical 0°

- Input: 24 V DC
- Power Supply:
 - Input 120-277 V Drivers:
 - 60W, 120W or 240W

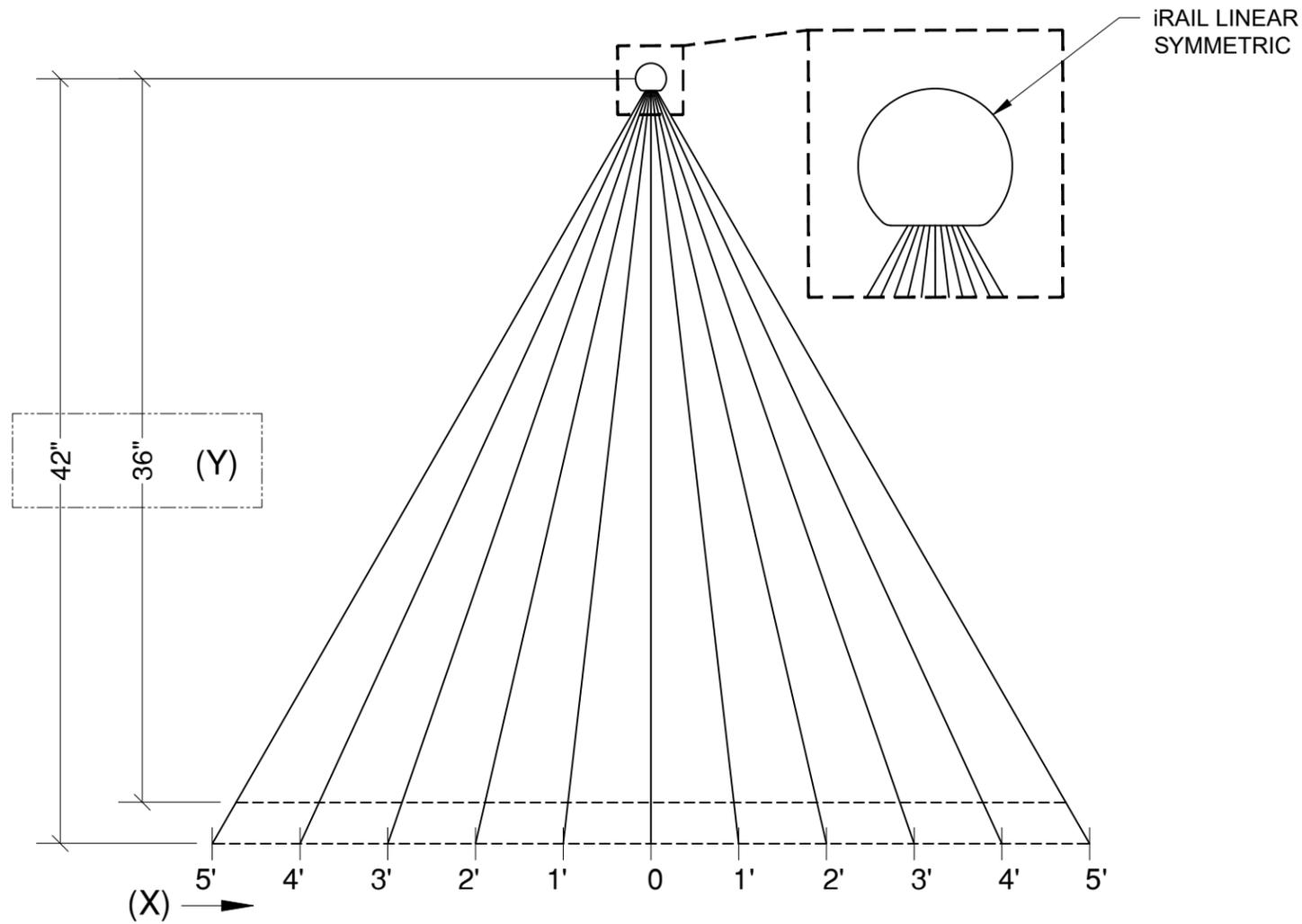
- CRI: >80
- LED life: 50,000 hours
- Maximum distance of wire feed location to driver is 35'-0" using 14 AWG wire.

DRIVER SPECIFICATION			
INPUT	OUTPUT	POWER (WATT)	DIMENSIONS LxWxH" (mm)
100~277 VAC 1.6~0.6 A	24 VDC	100 W	8.25x2.5X0.8"

VIVA RAILINGS IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF ANY BUILDING SYSTEMS OR OTHER MATERIALS NOT FURNISHED BY VIVA RAILINGS. VIVA RAILINGS HAS NO WAY OF KNOWING AND SPECIFICALLY DISCLAIMS WHETHER OR NOT THE BUILDING SYSTEMS TO WHICH VIVA RAILINGS' PRODUCTS ARE TO BE ATTACHED ARE STRUCTURALLY SOUND OR DESIGNED TO PROPERLY SUPPORT VIVA RAILINGS'S MATERIALS. ANY SUCH DESIGN RESPONSIBILITY BELONGS TO OTHERS FOR WHOM VIVA RAILINGS IS NOT RESPONSIBLE. THESE DRAWINGS ARE INTENDED FOR THE SOLE USE OF VIVA RAILINGS' CUSTOMER AND THEIR AGENTS FOR THE INSTALLATION OF PRODUCTS FURNISHED BY VIVA RAILINGS. VIVA RAILINGS REMAINS THE SOLE OWNER OF ALL DESIGNS AND INTELLECTUAL PROPERTY CONTAINED WITHIN. REPRODUCTION AND USE OF THESE DESIGNS FOR ANY OTHER PURPOSE IS FORBIDDEN. SCALES ARE PROVIDED FOR REFERENCE ONLY. FOR PRODUCT INFORMATION AND TECHNICAL SUPPORT, PLEASE CONTACT VIVA RAILINGS.



LINEAR DISPERSION DIAGRAM



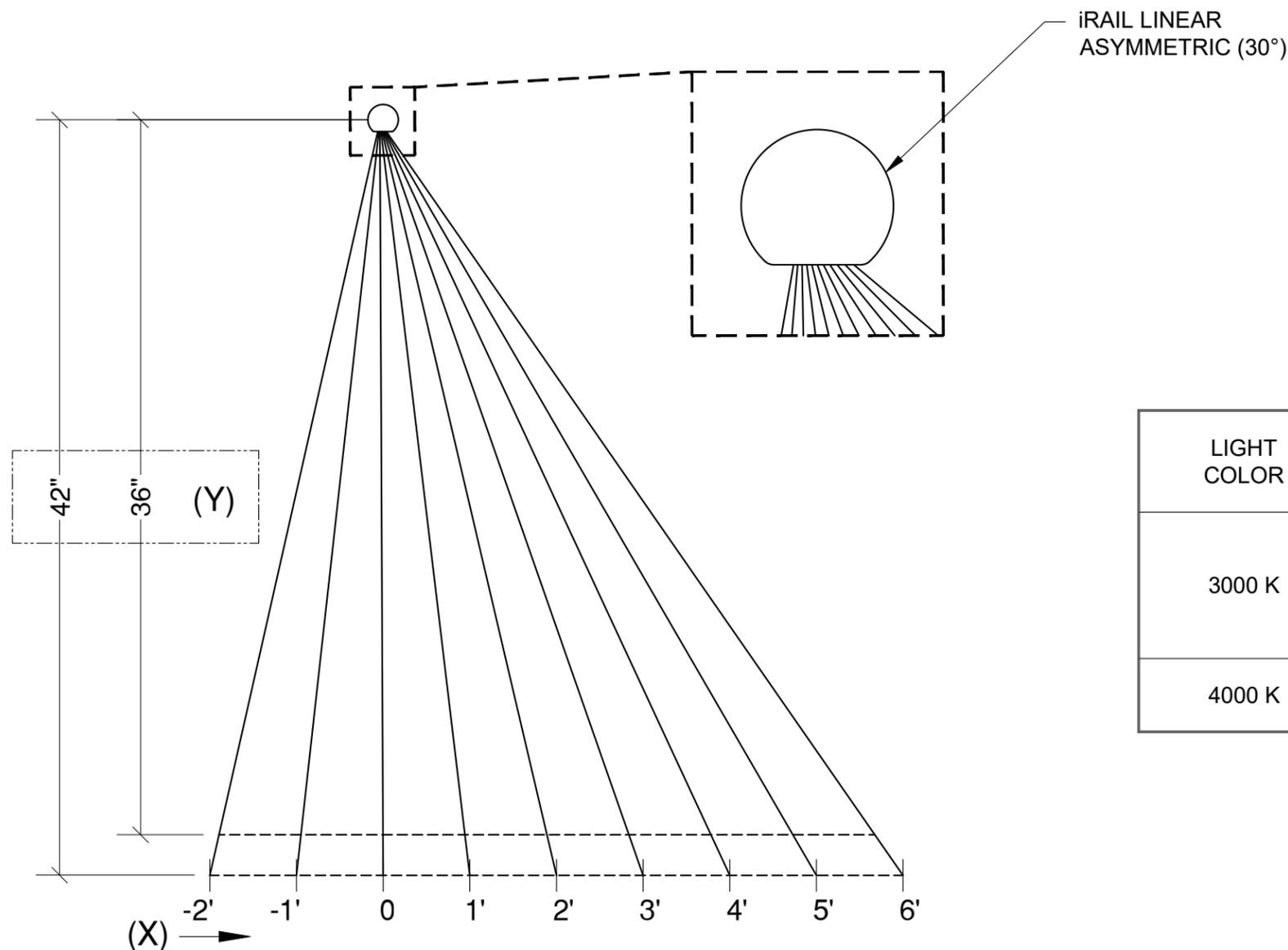
iRAIL LINEAR LIGHT DISPERSION DIAGRAM
All Values in Foot-Candle (FC) +/-15%, Values using clear lens.

LIGHT COLOR	INTENSITY (OUTPUT)	POWER	X \ Y		0'	1'	2'	3'	4'	5'
			Y	X						
3000 K	MEDIUM 185 lumens/ft	3 W/ft	36"	36"	44.1	30.3	15.6	7.7	4.1	2.3
			42"	42"	38.3	28.7	16.2	8.3	4.9	2.8
	HIGH 250 lumens/ft	5 W/ft	36"	36"	59.5	41.2	20.8	10.3	5.5	3.0
			42"	42"	52.3	39.3	21.9	11.4	6.6	3.8
4000 K	MEDIUM 185 lumens/ft	3 W/ft	36"	36"	44.5	31.6	15.2	7.2	3.8	2.2
			42"	42"	38.7	29.6	16	8.3	4.5	2.7
	HIGH 250 lumens/ft	5 W/ft	36"	36"	61.7	43.9	21.6	10.5	5.3	3.1
			42"	42"	54.3	42.2	22.6	12	6.4	3.7

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POD ISO FOOT CANDLE DISPERSION DIAGRAM (POD SPACING 18")

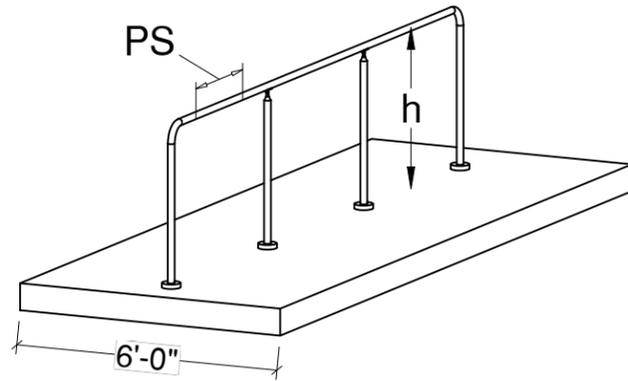


iRAIL LINEAR LIGHT DISPERSION DIAGRAM
All Values in Foot-Candle (FC) +/-15%, Values using clear lens.

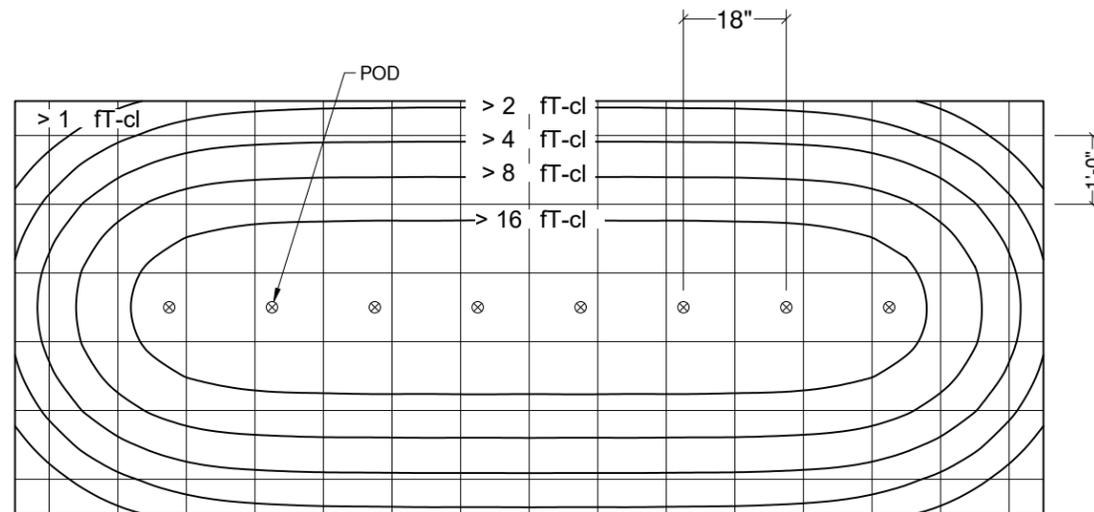
LIGHT COLOR	INTENSITY (OUTPUT)	POWER	X \ Y		-2'	-1'	0'	1'	2'	3'	4'	5'
			Y	X								
3000 K	MEDIUM 185 lumens/ft	3 W/ft	36"		7.3	18	37.1	53.1	43.9	26.1	14.9	9.1
			42"		8.0	16.8	30.6	43.3	40.8	27.8	17.2	10.1
	HIGH 250 lumens/ft	5 W/ft	36"		8.0	17.7	38.4	57.3	46.2	28.3	15.6	9.3
			42"		8.4	16.8	31.7	46.9	42.7	30	18.3	11.1
4000 K	MEDIUM 185 lumens/ft	3 W/ft	36"		5.5	13.4	27.0	39.3	32.3	19.2	10.6	6.6
			42"		6.0	12.6	22.3	31.7	29.7	21.0	12.4	7.6



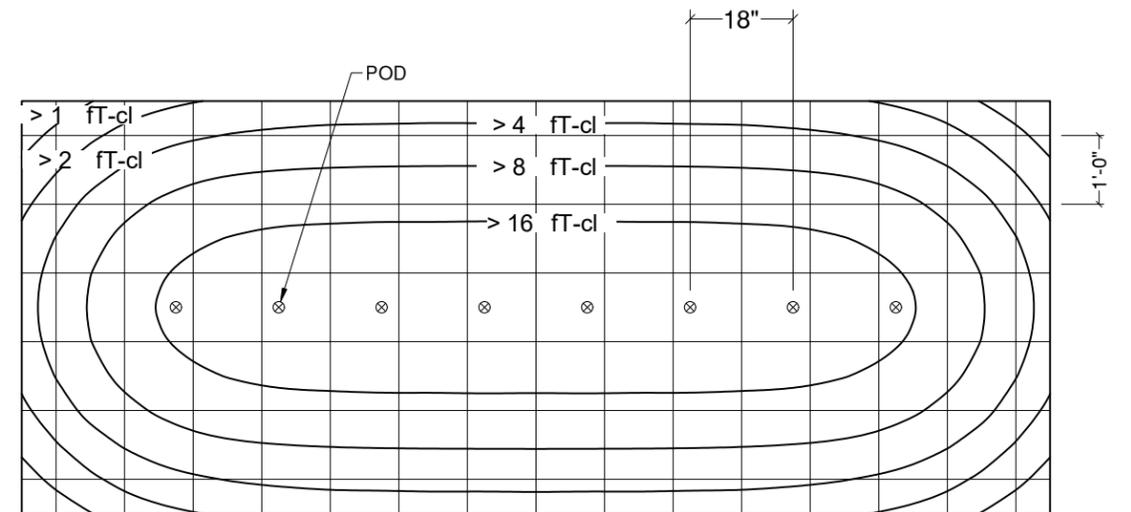
POD ISO FOOT CANDLE DISPERSION DIAGRAM (POD SPACING 18")



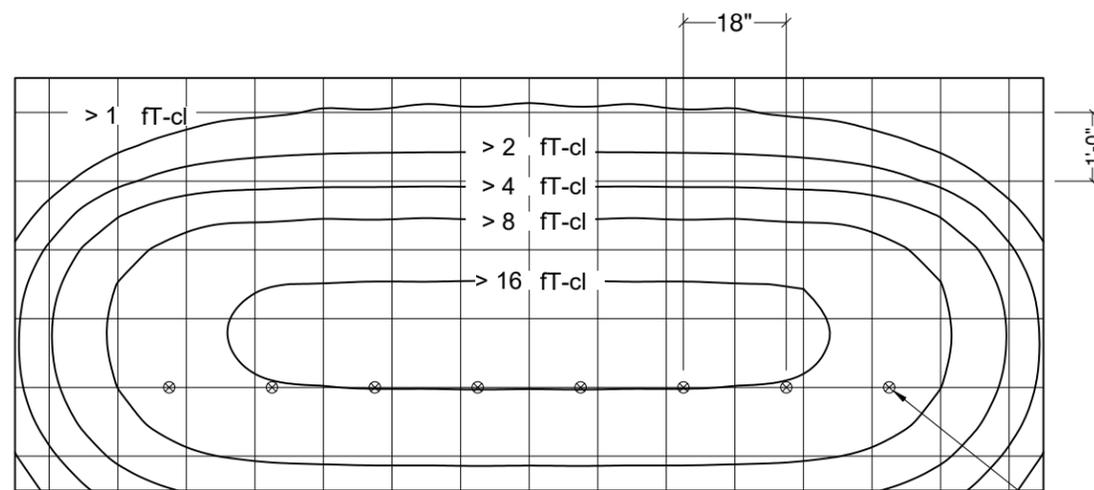
h: Illuminated Rail Height
PS(Pod Spacing) = 18"



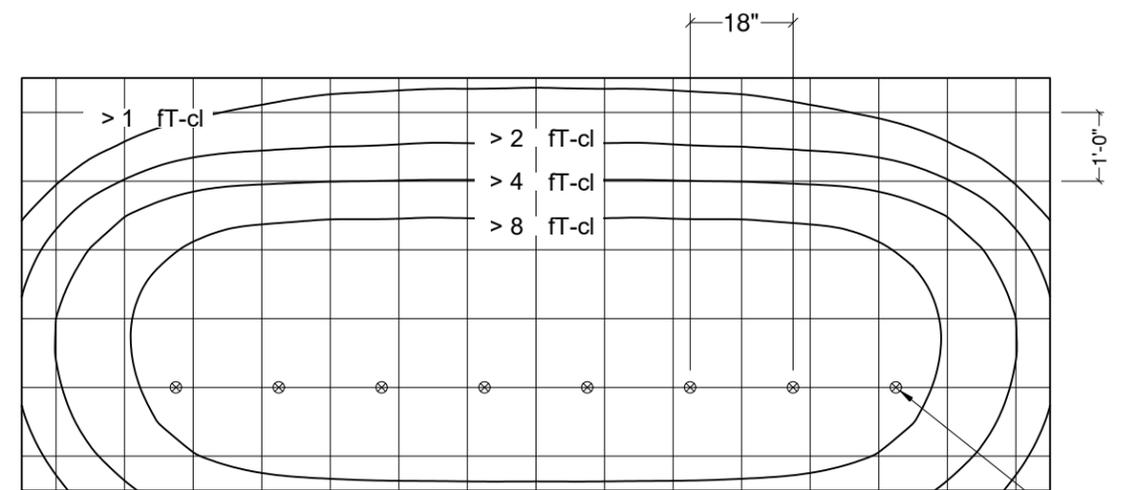
PLAN VIEW, h=36", PS=18", SYMMETRIC PODS
FC: MAX=19.8, MIN=0.2, AVE.=6.1



PLAN VIEW, h=42", PS=18", SYMMETRIC PODS
FC: MAX=16.9, MIN=0.3, AVE.=6.0



PLAN VIEW, h=36", PS=18", ASYMMETRIC PODS
FC: MAX=16.0, MIN=0.1, AVE.=5.1

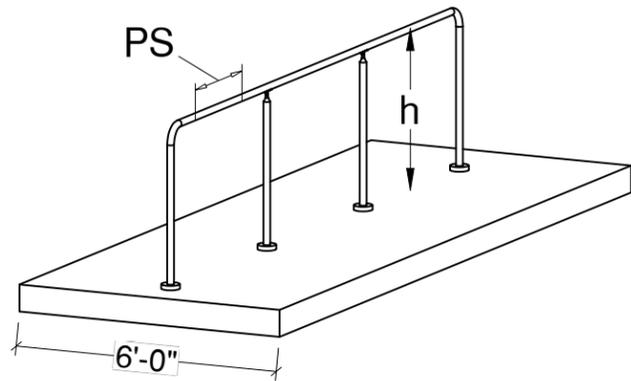


PLAN VIEW, h=42", PS=18", ASYMMETRIC PODS
FC: MAX=13.5, MIN=0.1, AVE.=5.0

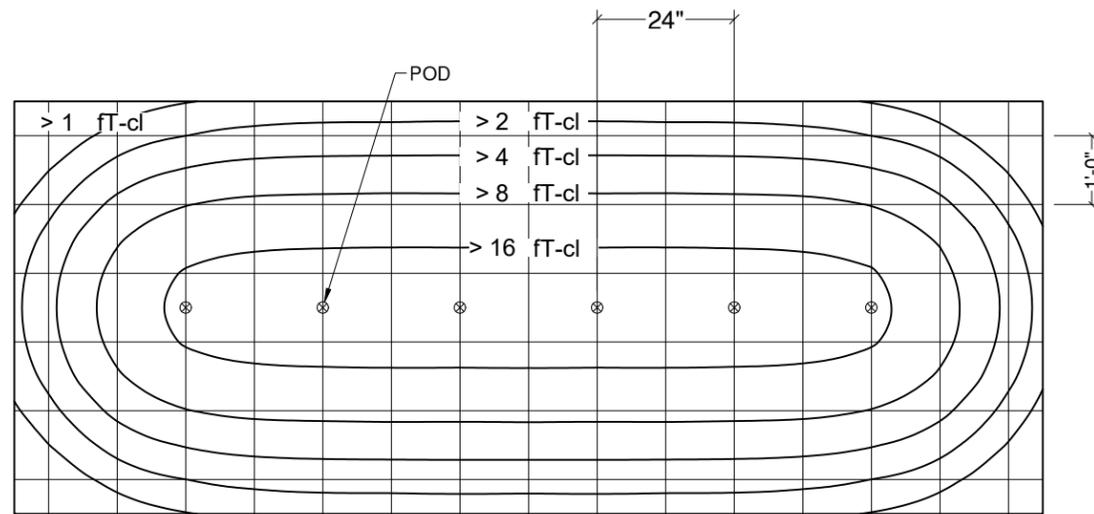
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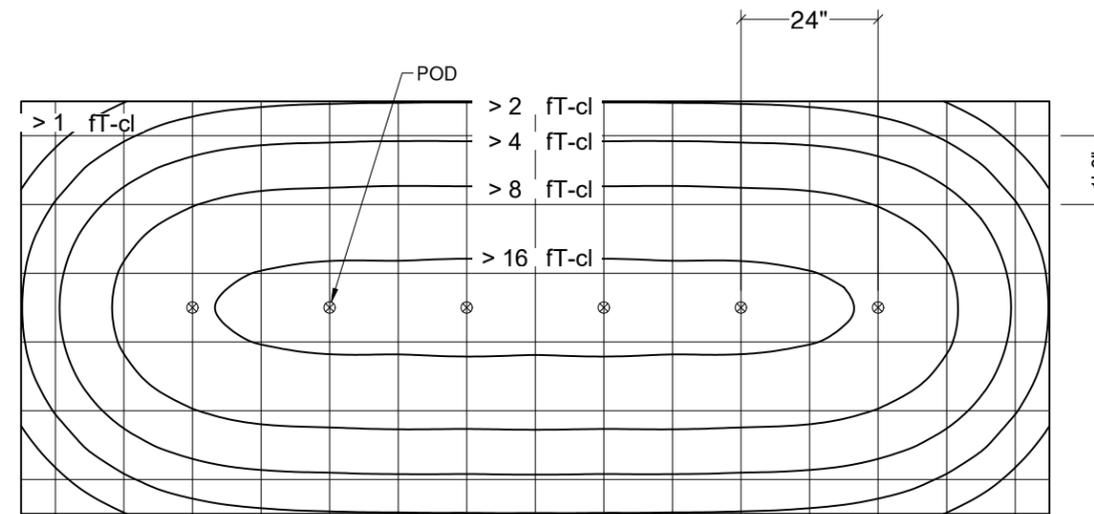
POD ISO FOOT CANDLE DISPERSION DIAGRAM (POD SPACING 24")



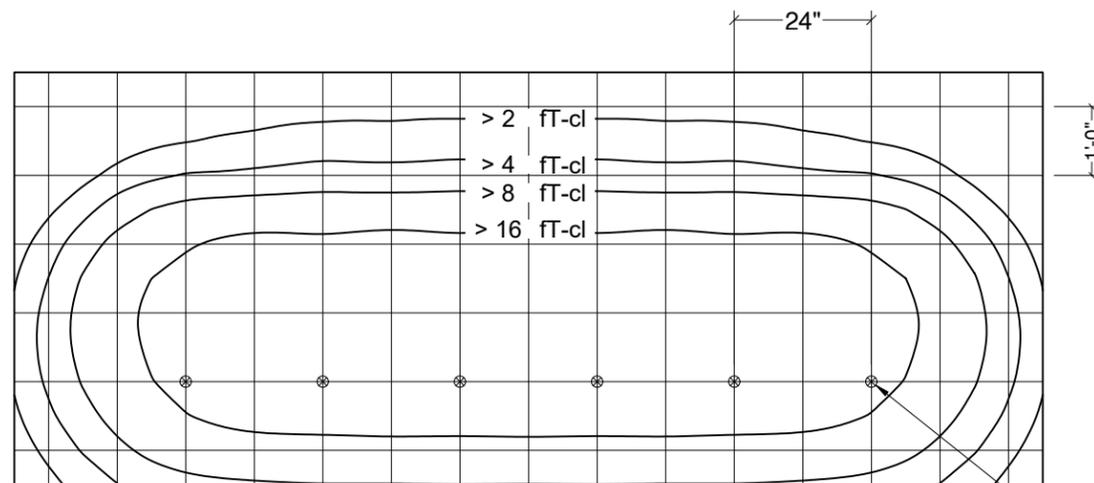
h: Illuminated Rail Height
 PS(Pod Spacing) = 24"



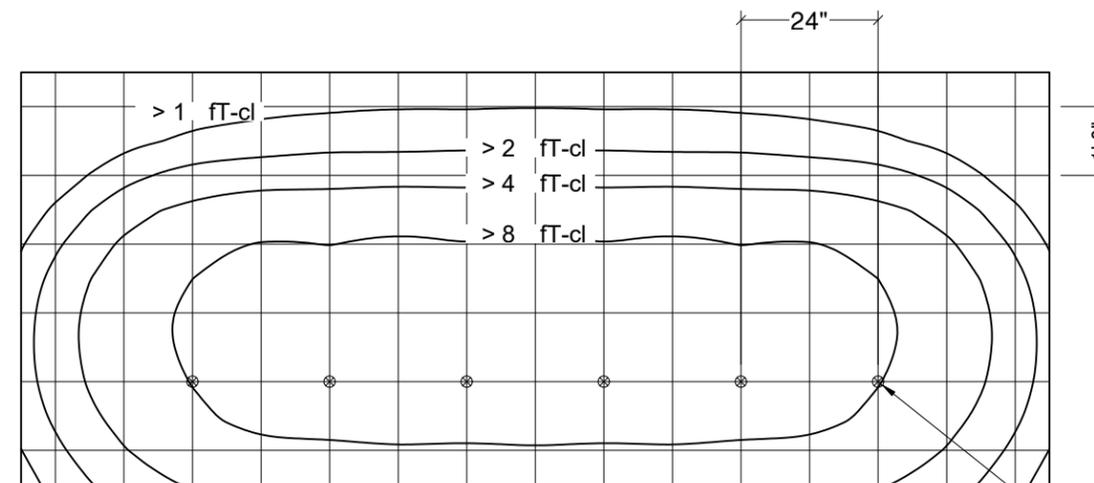
PLAN VIEW, h=36", PS=24", SYMMETRIC PODS
 FC: MAX=14.9, MIN=0.1, AVE.=4.6



PLAN VIEW, h=42", PS=24", SYMMETRIC PODS
 FC: MAX=12.7, MIN=0.2, AVE.=4.5



PLAN VIEW, h=36", PS=24", ASYMMETRIC PODS
 FC: MAX=11.9, MIN=0.1, AVE.=3.8

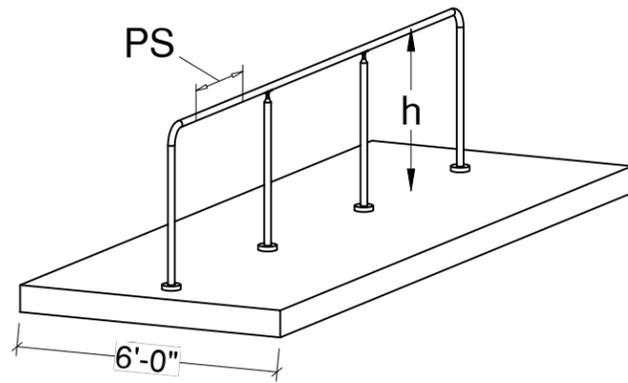


PLAN VIEW, h=42", PS=24", ASYMMETRIC PODS
 FC: MAX=10.1, MIN=0.1, AVE.=3.7

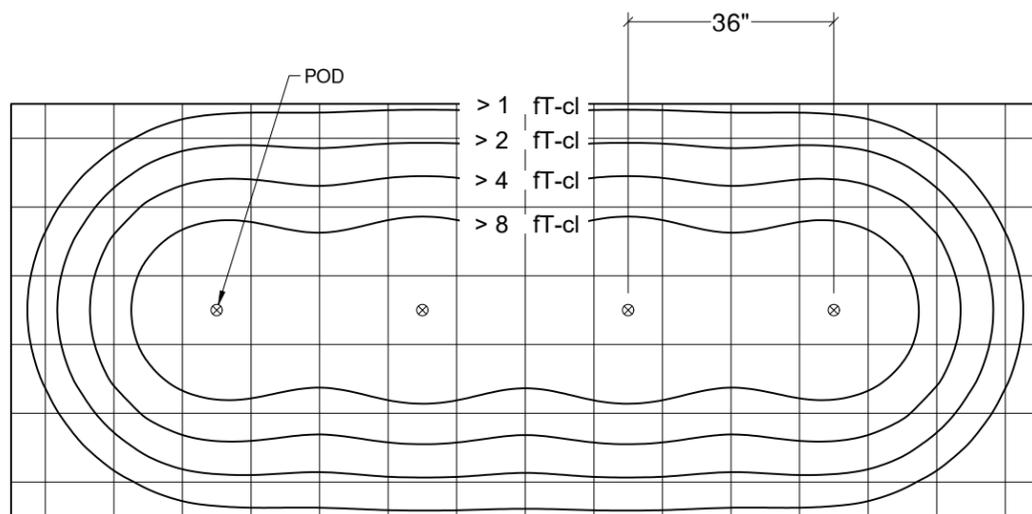
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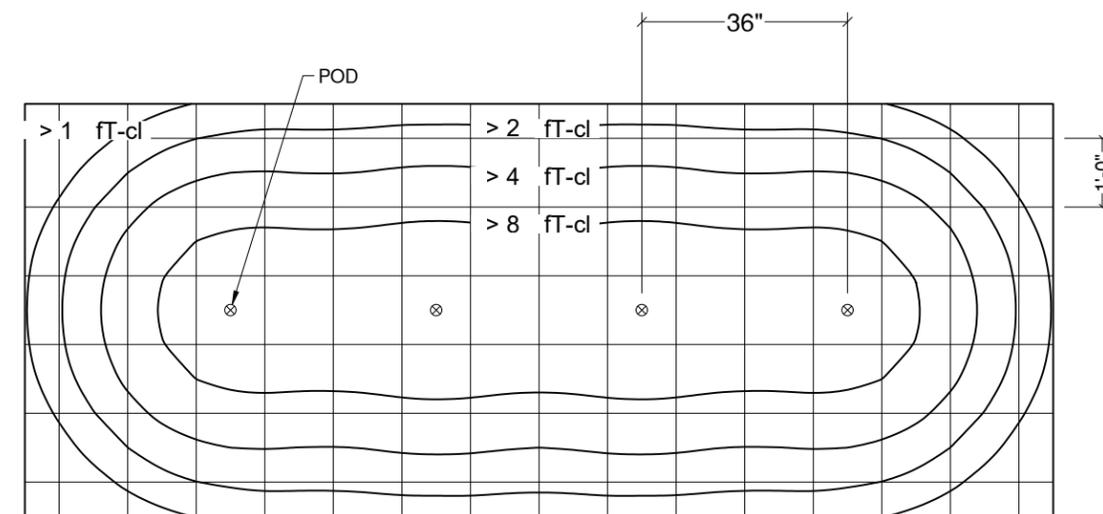
POD ISO FOOT CANDLE DISPERSION DIAGRAM (POD SPACING 36")



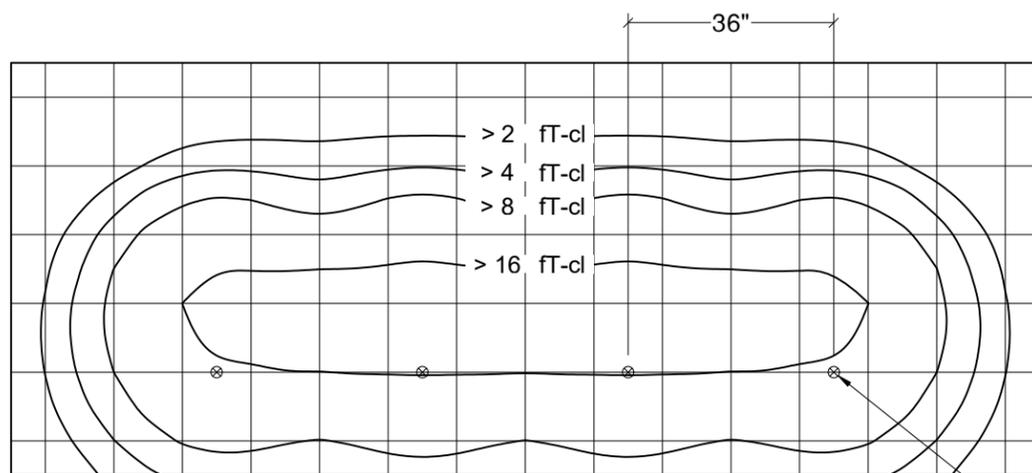
h: Illuminated Rail Height
PS(Pod Spacing) = 36"



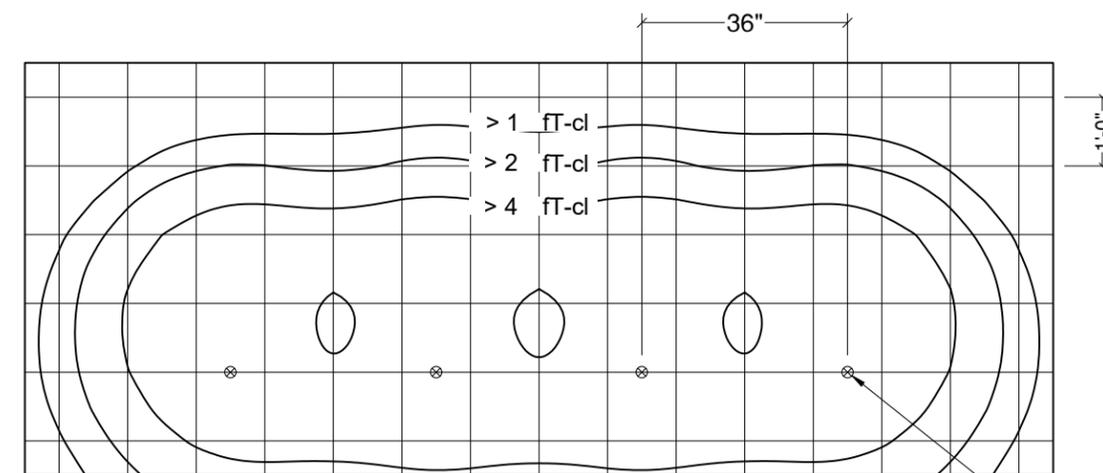
PLAN VIEW, h=36", PS=36", SYMMETRIC PODS
FC: MAX=10.9, MIN=0.1, AVE.=3.0



PLAN VIEW, h=42", PS=36", SYMMETRIC PODS
FC: MAX=8.6, MIN=0.1, AVE.=3.0



PLAN VIEW, h=36", PS=36", ASYMMETRIC PODS
FC: MAX=8.9, MIN=0.0, AVE.=2.5

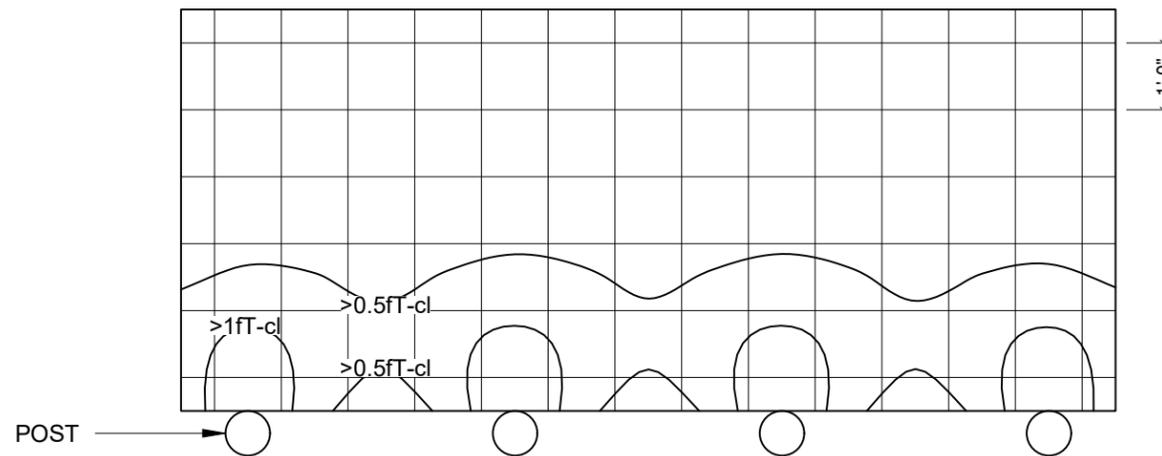
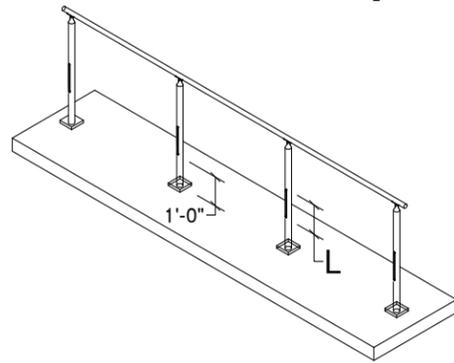


PLAN VIEW, h=42", PS=36", ASYMMETRIC PODS
FC: MAX=6.8, MIN=0.1, AVE.=2.5

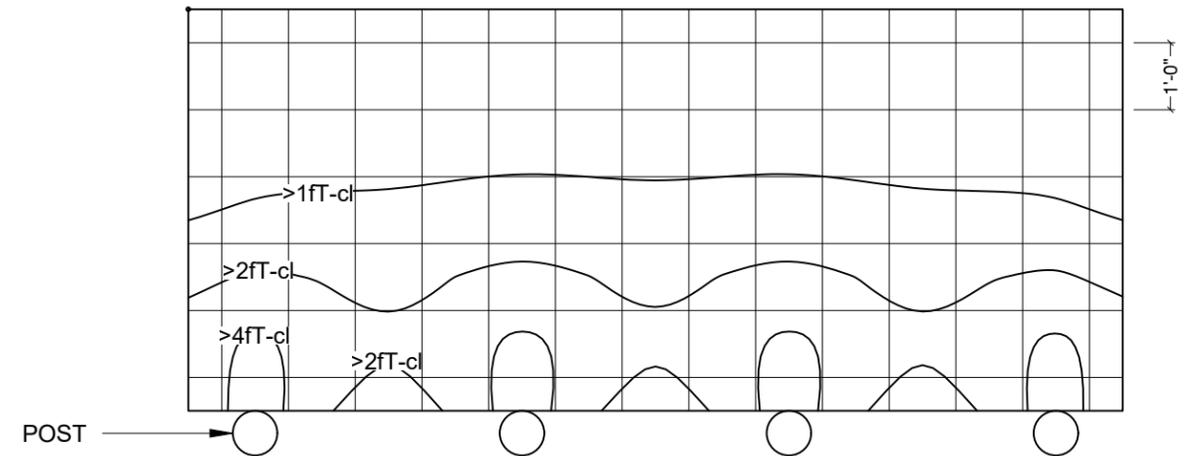
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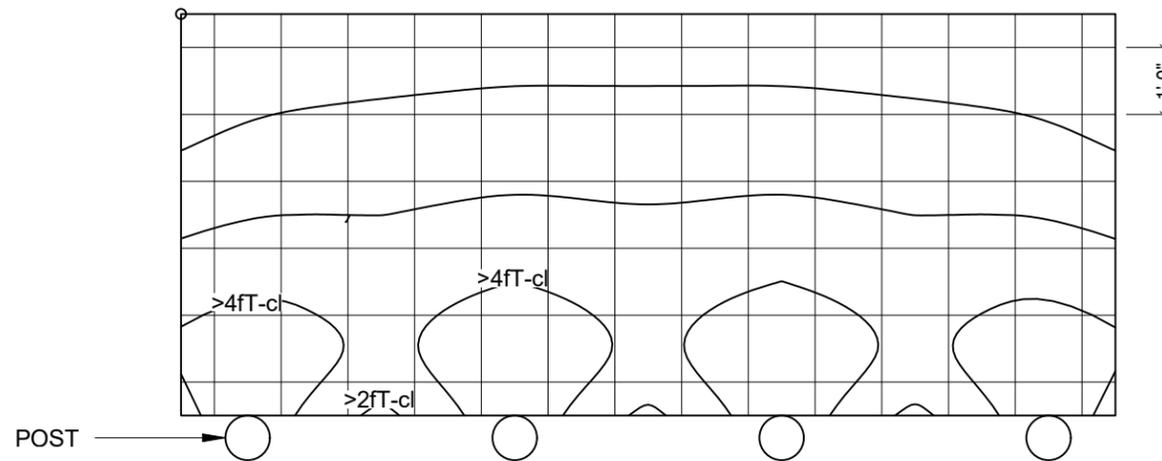
CAPSULE Dispersion Diagram



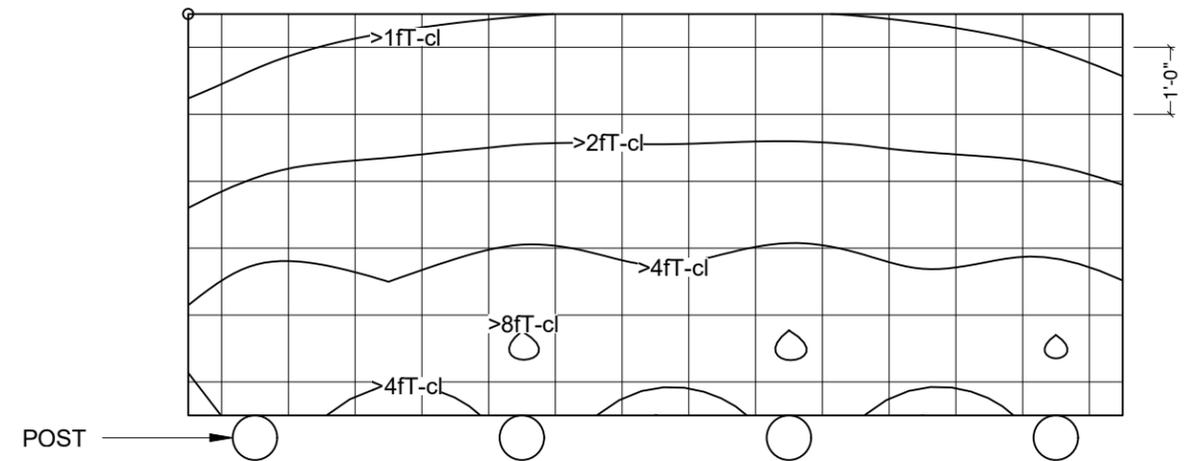
ISO FOOT CANDLE DISPERSION PLAN VIEW,
h (iRAIL HEIGHT)= 1'-0", w/ 85mm CAPSULE LENGTH (L)



ISO FOOT CANDLE DISPERSION PLAN VIEW,
h (iRAIL HEIGHT)= 1'-0", w/ 185mm CAPSULE LENGTH (L)



ISO FOOT CANDLE DISPERSION PLAN VIEW,
h (iRAIL HEIGHT)= 1'-0", w/ 285mm CAPSULE LENGTH (L)



ISO FOOT CANDLE DISPERSION PLAN VIEW,
h (iRAIL HEIGHT)= 1'-0", w/ 385mm CAPSULE LENGTH (L)

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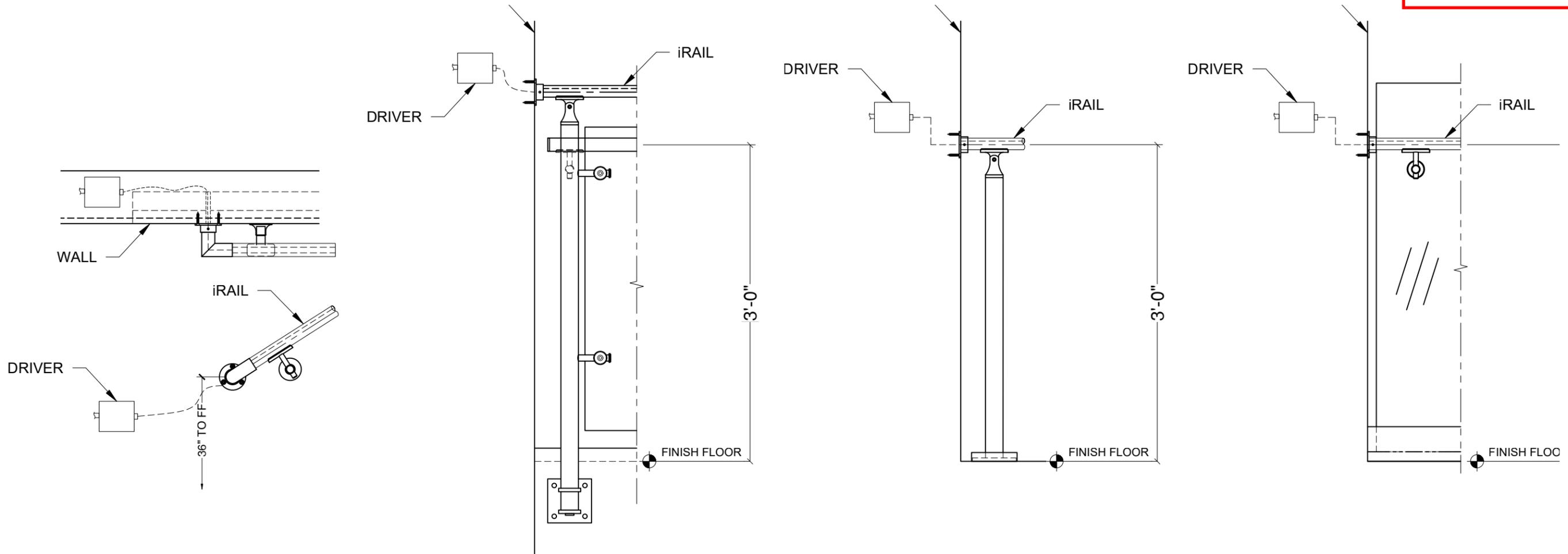


WIRE FEED OPTION

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Illuminated WallRail
Detail# IR-W01

Illuminated Handrail or
Top Rail
Detail# IR-W02

Illuminated FSR
Detail# IR-W03

Illuminated Shoe Handrail
Detail# IR-W04

*WALL OR FLOOR WIRE FEED ENTRY REQUIRED AT RAILING TERMINAL POINT. TYP.

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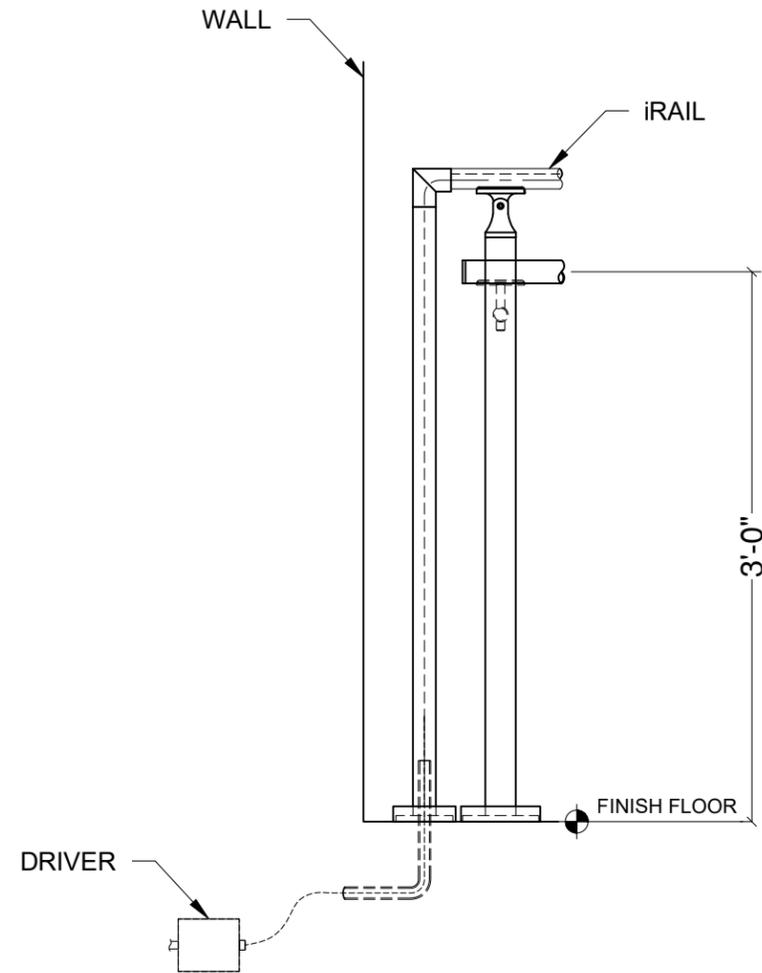


WIRE FEED OPTION

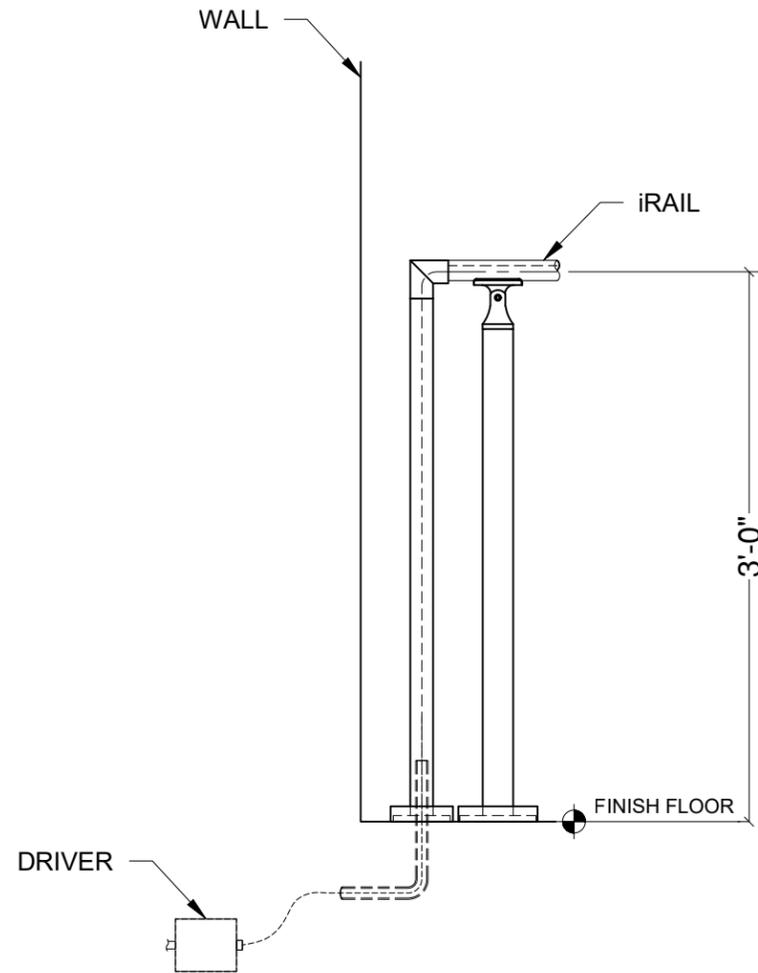
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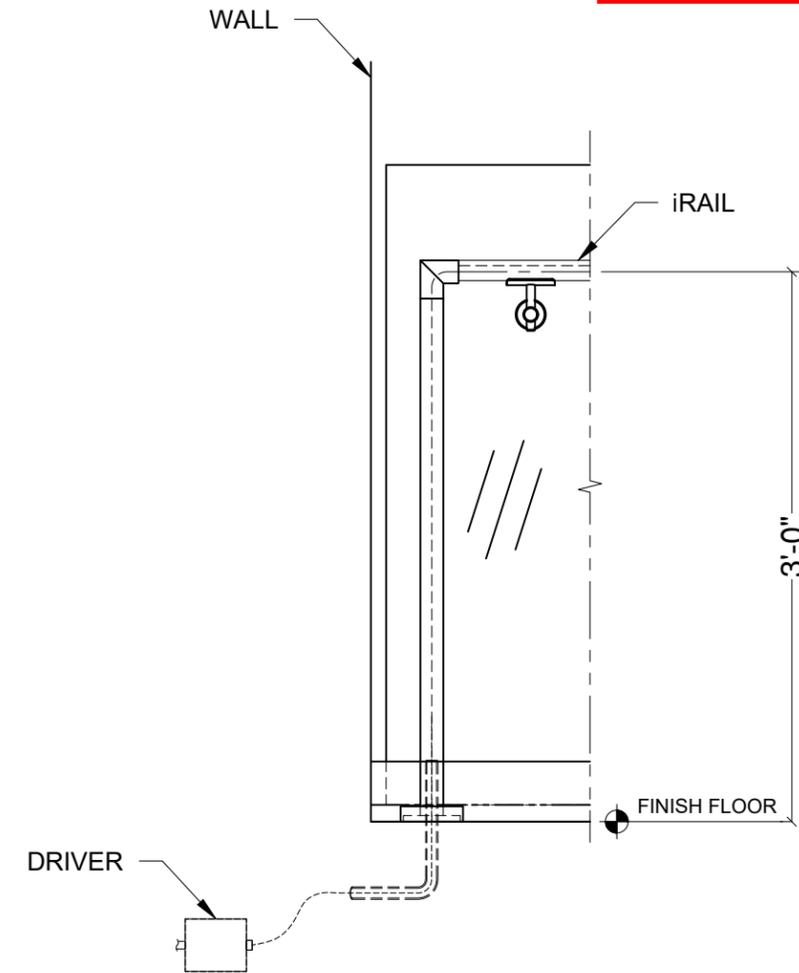
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Illuminated Handrail or
Top Rail
Detail# IR-W02



Illuminated FSR
Detail# IR-W03



Illuminated Shoe Handrail
Detail# IR-W04

*WALL OR FLOOR WIRE FEED ENTRY REQUIRED AT RAILING TERMINAL POINT
TYP.

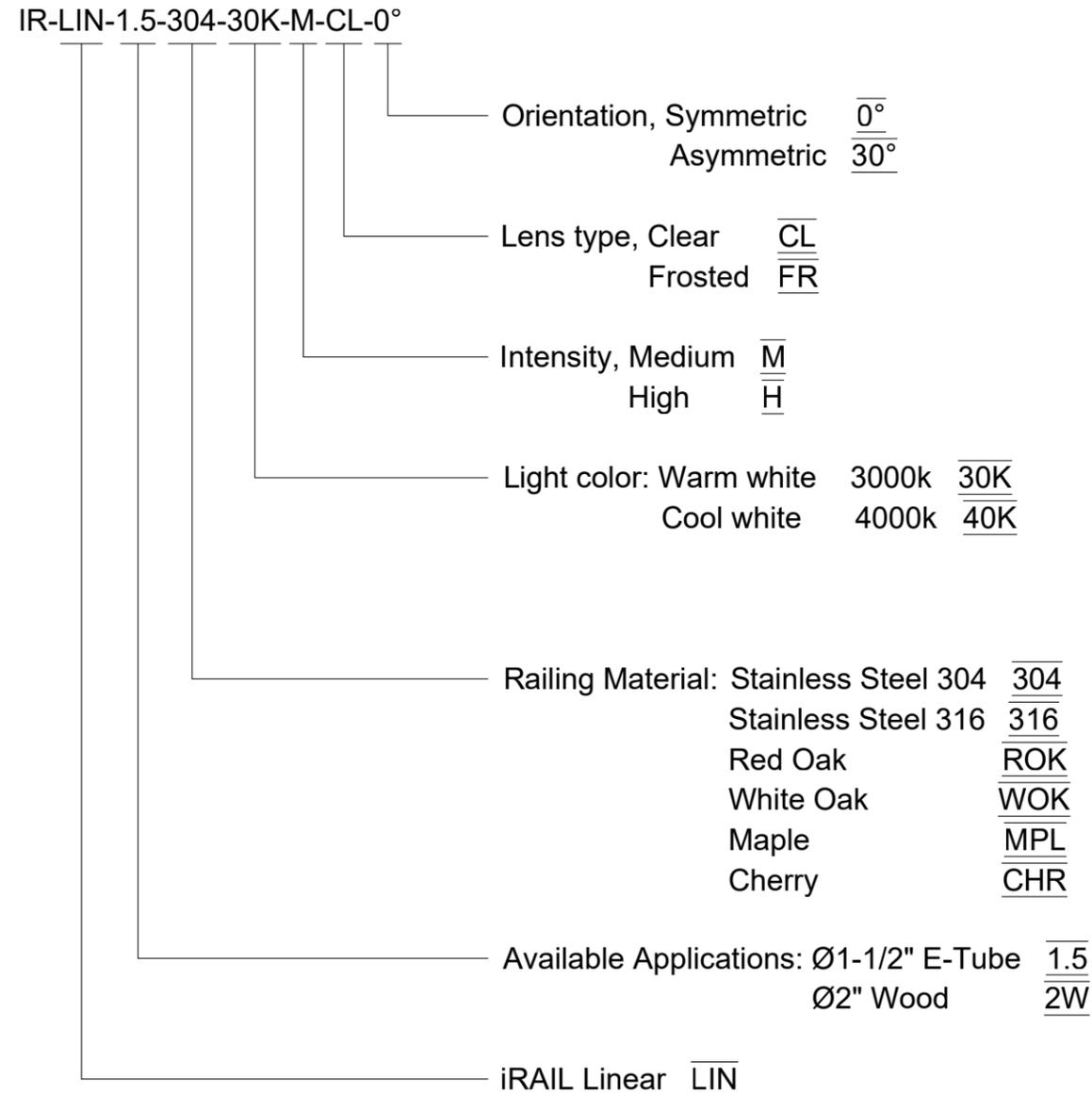


ORDER CODE

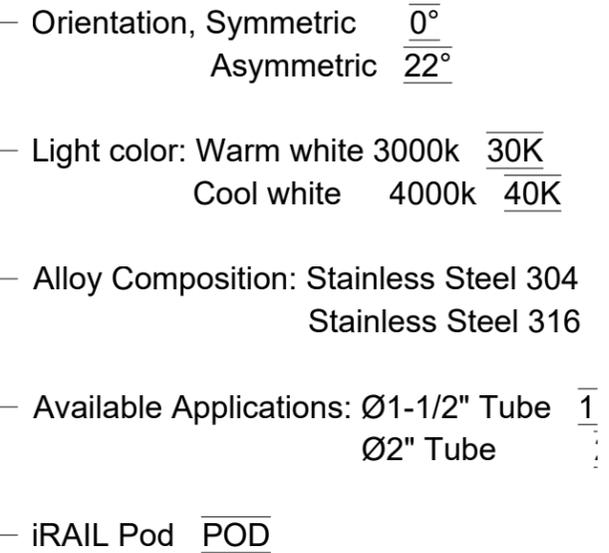
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iRAIL LINEAR ORDER CODE:



IR-POD-1.5-304-30K-0°



iRAIL CAPSULE ORDER CODE:

IR-CAP-185-C2-304-30K-0°



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iRAIL LIGHTED RAILING SYSTEM SMU MOODY HALL

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SMU MOODY HALL - DALLAS, TX
General Contractor: The Beck Group
Architect: Smithgroup Inc

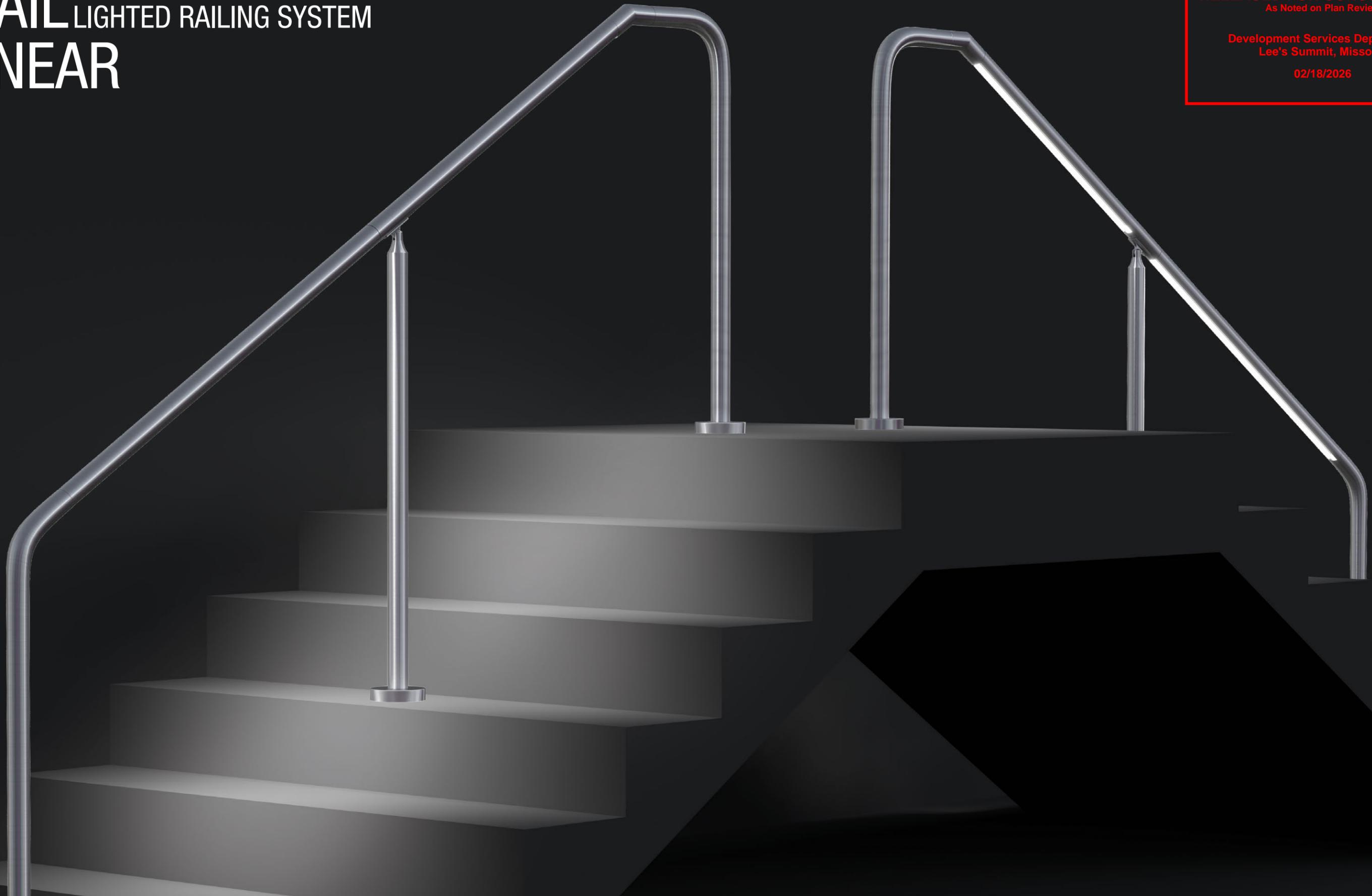


iRAIL LIGHTED RAILING SYSTEM LINEAR

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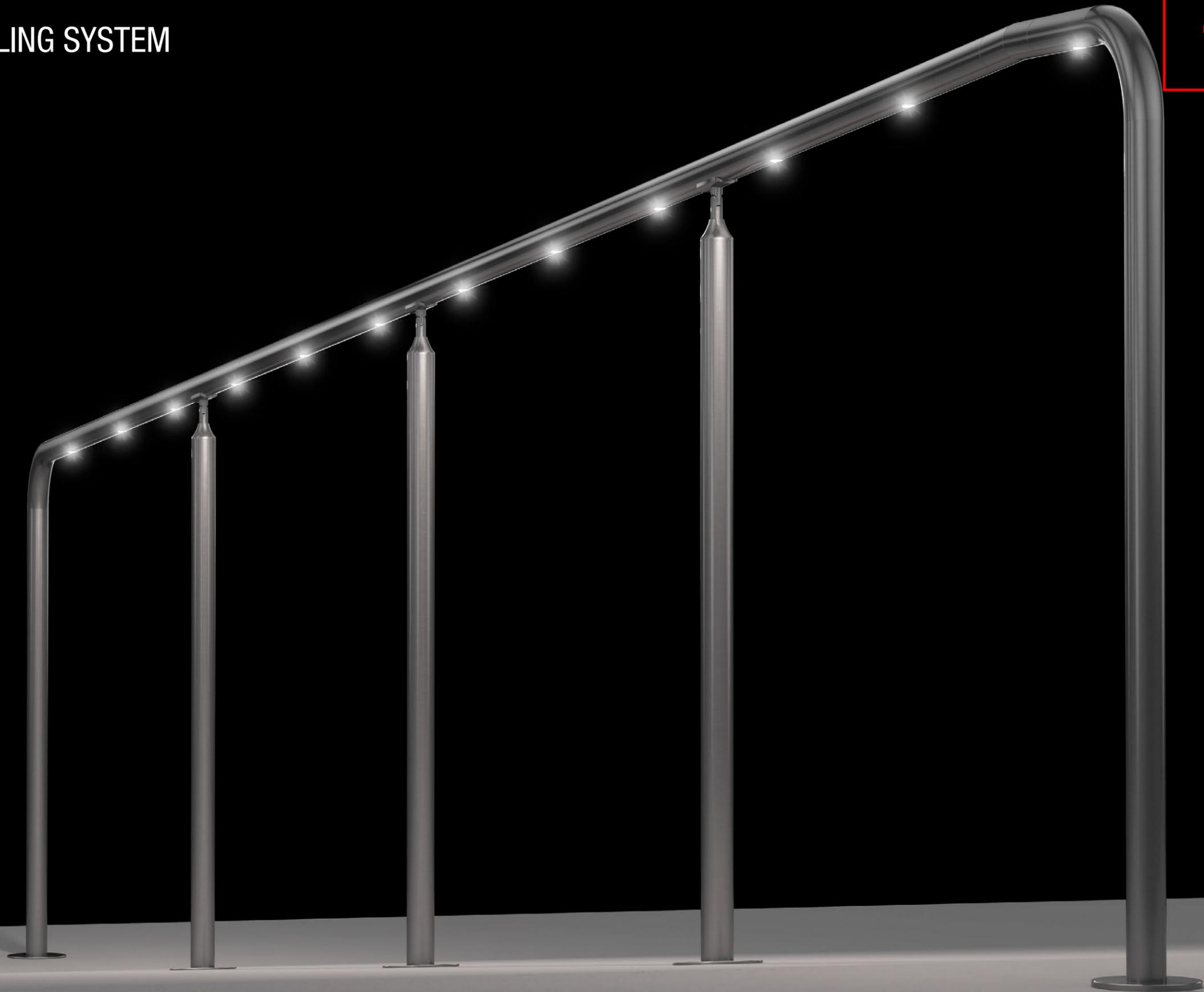


iRAIL LIGHTED RAILING SYSTEM PODS

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iRAIL LIGHTED RAILING SYSTEM CHOCTAW CASINO & RESORT

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CHOCTAW CASINO & RESORT - DURANT, OK
General Contractor: TEPCO Glass
Architect: JCJ Architecture



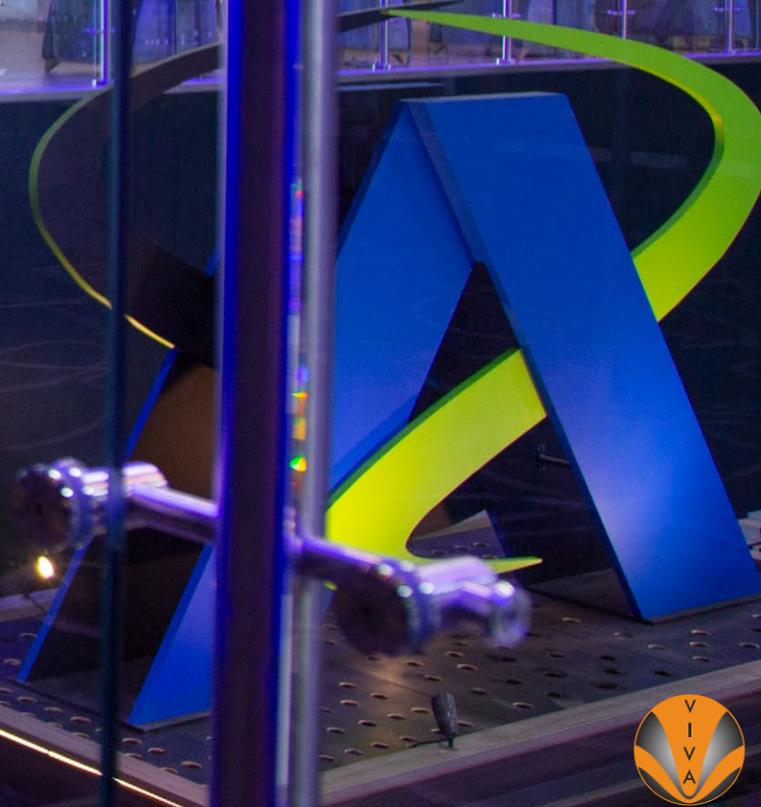
iRAIL LIGHTED RAILING SYSTEM ANDRETTI / GRANDSCAPE

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ANDRETTI / GRANDSCAPE - THE COLONY, TX
General Contractor: VCC Construction Corp.
Architect: Merriman - MAA Architects



NORTH AMERICA OPERATIONS



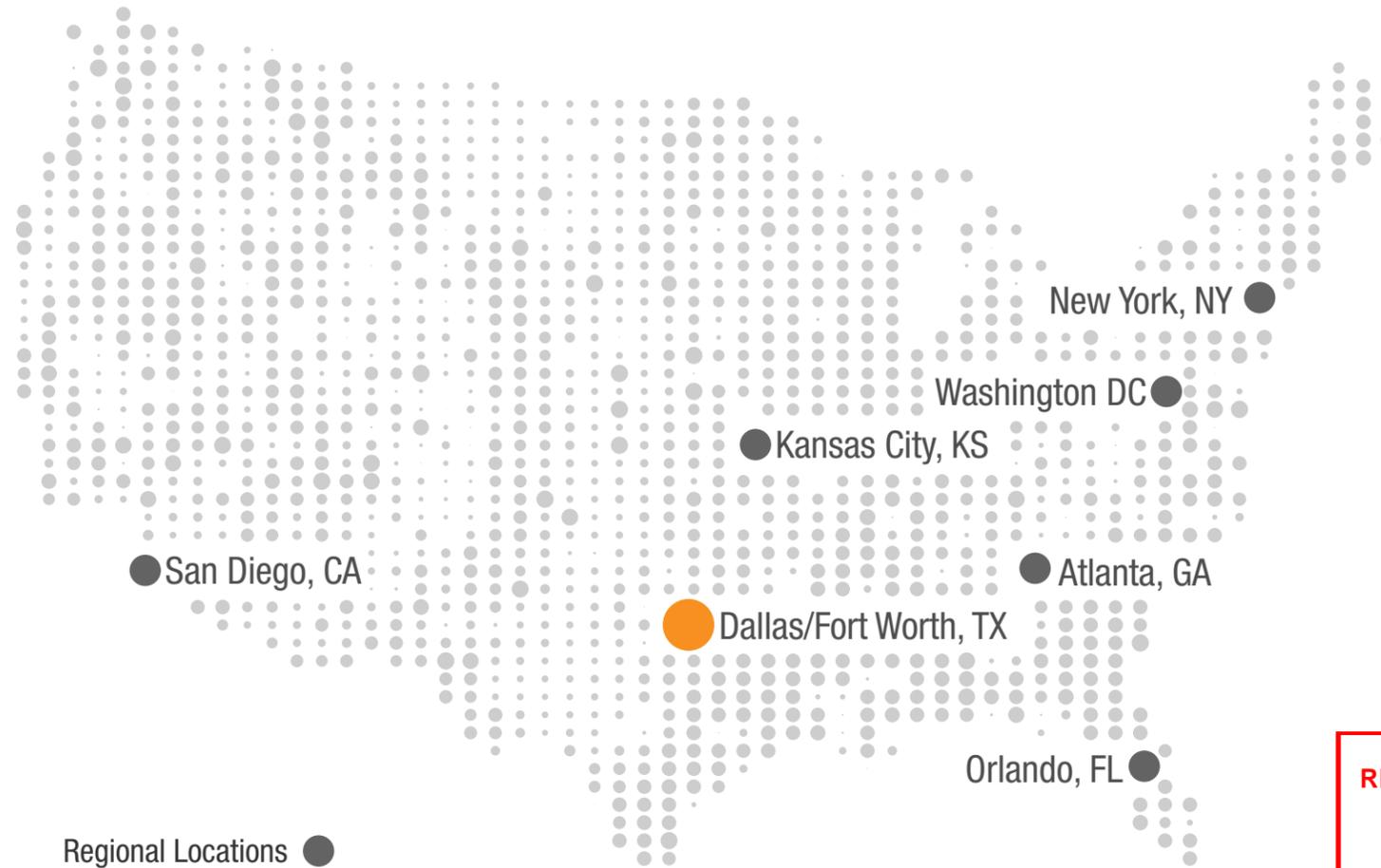
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Material & Resources Credits 4.1 and 4.2



The American Institute of Architects



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WST LED

Architectural Wall Sconce



Catalog Number

Notes

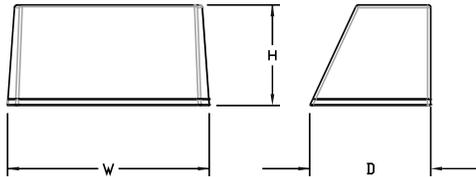
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Luminaire

- Height:** 8-1/2" (21.59 cm)
- Width:** 17" (43.18 cm)
- Depth:** 10-3/16" (25.9 cm)
- Weight:** 20 lbs (9.1 kg)



Introduction

The WST LED is designed with the specifier in mind. The traditional, trapezoidal shape offers a soft, non-pixelated light source for end-user visual comfort. For emergency egress lighting, the WST LED offers six battery options, including remote. For additional code compliance and energy savings, there is also a Bi-level motion sensor option. With so many standard and optional features, three lumen packages, and high LPW, the WST LED is your "go to" luminaire for most any application.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DBTXD

WST LED	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package	27K 2700 K	VF Visual comfort forward throw	MVOLT ¹ 277 ²	Shipped included (blank) Surface mounting bracket PBBW Premium surface-mounted back box ^{3,4} Shipped separately BBW Surface-mounted back box ³
	P2 3,000 Lumen package	30K 3000 K	VW Visual comfort wide	120 ² 347 ²	
	P3 6,000 Lumen package	40K 4000 K		208 ² 480 ²	
		50K 5000 K		240 ²	

Options	Finish (required)
NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights ^{5,6,7}	DBBXD Dark bronze
NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights ^{5,6,7}	DBLXD Black
PE Photoelectric cell, button type ⁸	DNAXD Natural aluminum
PER NEMA twist-lock receptacle only (controls ordered separate) ⁹	DWHXD White
PER5 Five-wire receptacle only (controls ordered separate) ⁹	DSSXD Sandstone
PER7 Seven-wire receptacle only (controls ordered separate) ⁹	DBTXD Textured dark bronze
PIR Motion/Ambient Light Sensor, 8-15' mounting height ^{5,6}	DBLXD Textured black
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{5,6}	DNATXD Textured natural aluminum
PIRH 180° motion/ambient light sensor, 15-30' mounting height ^{5,6}	DWHGXD Textured white
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{5,6}	DSSTXD Textured sandstone
SF Single fuse (120, 277, 347V) ²	
DF Double fuse (208, 240, 480V) ²	
DS Dual switching ¹⁰	
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ¹¹	
E7WH Emergency battery backup, Non CEC compliant (7W) ⁷	
E7WC Emergency battery backup, CA Title 20 Noncompliant (cold, 7W) ^{7,12}	
E7WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W) ^{7,13}	
E20WH Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS ⁷	
E20WC Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS ^{7,12}	
E23WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W) ^{7,12,14}	
LCE Left side conduit entry ¹⁵	
RCE Right side conduit entry ¹⁵	
BAA Buy America(n) Act Compliant	
Shipped separately	
RBPW Retrofit back plate ³	
VG Vandal guard ¹⁵	
WG Wire guard ¹⁵	

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See Accessories and Notes on next page.



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WST-LED
 Rev. 03/27/24

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WS8BW DDBXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁷

NOTES

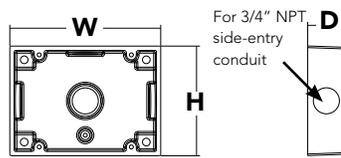
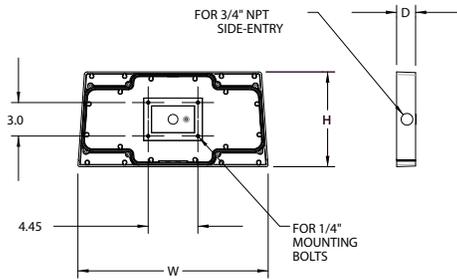
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with VG or WG. See PER Table.
- Reference Motion Sensor table.
- Not available 347/480. E7WC or E23WHR, only available 120 or 277.
- Need to specify 120, 208, 240 or 277 voltage.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- Not available with Emergency options, PE or PER options.
- DMG option not available with standalone or networked sensors/controls.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

Optional Back Box (PBBW)

Height:	8.49" (21.56 cm)
Width:	17.01" (43.21 cm)
Depth:	1.70" (4.32 cm)

Optional Back Box (BBW)

Height:	4" (10.2 cm)
Width:	5-1/2" (14.0 cm)
Depth:	1-1/2" (3.8 cm)



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Emergency Battery Operation

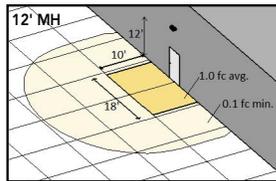
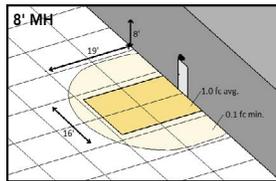
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of [NFPA 70/NEC 2008 - 700.16](#)

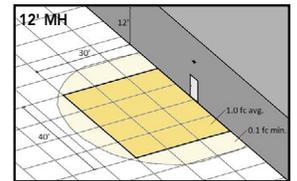
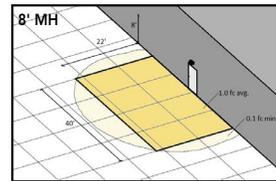
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH



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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
	P2	25	0.21	0.13	0.11	0.1	---
30		---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
	P3	50	0.42	0.24	0.21	0.19	---
56		---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min

*for use with site wide Dusk to Dawn control

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PER Table

Control	PER (3 wire)	PER5 (5 wire)			PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7	
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM with Motion	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	

✓ Recommended

⊘ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Performance Package	System Watts (MVOLT*)	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
			VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0
P2	25W	VF	3,163	1	0	1	127	3,237	1	0	1	129	3,469	1	0	1	139	3,468	1	0	1	139
			VW	3,201	1	0	0	128	3,276	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0
P3	50W	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
			VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1

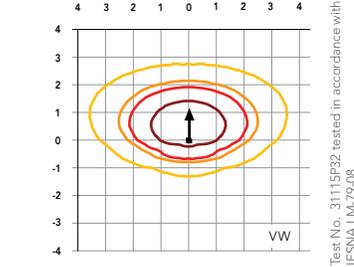
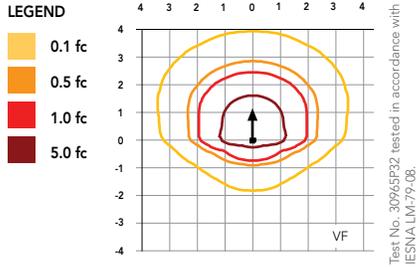


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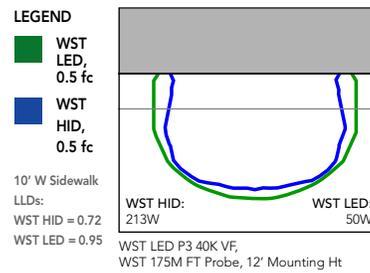
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WST-LED
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Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



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FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.