HCA - LEE'S SUMMIT MEDICAL CENTER

SITE & BRIDGE EARLY RELEASE PACKAGE

2100 SE BLUE PKWY
LEE'S SUMMIT, MO 64063

DGL PROJECT NO	6406.24.0001	DATE:
HCA PROJECT NO.	0972400009	07/24/2024

HCA DESIGN MANAGER: MIKAL MALIK
HCA CONSTRUCTION MANAGER: TAYLOR BRASHER

FINAL DEVELOPMENT PACKAGE - 1ST REVIEW

Devenney Group Ltd., Architects

6900 E. Camelback Road,
Suite #500
Phoenix, Arizona 85013

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DEVENNEY GROUP, LTD. ARCHITECTS
ARCHITECTS
6900 E CAMELBACK RD, SUITE #500
SCOTTSDALE, AZ 85251
PROJECT MANAGER: KEVIN COOK 602.541.7287

WSP
MECHANICAL, PLUMBING & ELECTRICAL ENGINEERS
300 WYANDOTTE, SUITE 200
KANSAS CITY, MO 64105
PROJECT MANAGER: MINDY WHISLER 816.702.4247

STANELY D. LINDSEY AND ASSOCIATES, LTD.
STRUCTURAL
750 OLD HICKORY BLVD, BUILDING 1 SUITE 175
BRENTWOOD, TN 37027
IN-CHARGE/PROJECT MANAGER: JASON PERRY 615.320.1735

CATALYST DESIGN GROUP
CIVIL
5100 TENNESSEE AVE
NASHVILLE, TN 37209
ENGINEER: JACK PARKER 615.622.7220

NABHOLZ
GENERAL CONTRACTOR
6640 CAROTHERS PARKWAY, STE 150
FRANKLIN, TN 37067
PROJECT EXECUTIVE: JEREMY BRANSON 913.393.6552

PROJECT GENERAL NOTES

1. GENERAL NOTES APPLY TO ALL DRAWINGS.
2. LABOR, MATERIALS, CONSTRUCTION METHODS AND WORK TO CONFORM TO THE LATEST GOVERNING CODES, RULES AND REGULATIONS FOR THIS PROJECT AND JURISDICTION. THE MOST STRINGENT SHALL PREVAIL.
3. WHEN REQUIRED BY CODE, RULES OR REGULATIONS, WORK MUST BE INSPECTED AND APPROVED BY AUTHORITY HAVING JURISDICTION.
4. VERIFY EXISTING SITE CONDITIONS PRIOR TO STARTING WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION AND/OR CONSTRUCTION; NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE DRAWINGS WHICH AFFECT THE SCOPE AND INTENT OF THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
6. DO NOT MEASURE DRAWINGS. DIMENSIONS TO BE FIELD MEASURED AND VERIFIED. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
7. FIELD VERIFY DIMENSIONS OF OPENINGS FOR DOORS AND WINDOWS PRIOR TO FABRICATION.
8. FIELD VERIFY SPACES REQUIRING CABINETS, COUNTERS, CASEWORK, ETC. PRIOR TO FABRICATION.
9. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL CHASE SIZES AND LOCATIONS.
10. GYPSUM BOARD TO BE 5/8" TYPE 'X' FIRE RATED UNLESS NOTED OTHERWISE.
11. GYPSUM BOARD AT NON-RATED INTERIOR PARTITIONS TERMINATES 6" (MINIMUM) ABOVE THE HIGHEST ADJACENT CEILING UNLESS NOTED OTHERWISE.
12. SCRIBE GYPSUM BOARD TO IRREGULARITIES OF ADJACENT SURFACES; SEAL TIGHT AROUND PENETRATIONS.
13. SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES WITH APPROVED MATERIALS AND METHODS MEETING REQUIREMENTS OF AGENCY HAVING JURISDICTION.
14. NEW WORK TO ALIGN WITH AND MATCH EXISTING EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
15. WHEN EXISTING EQUIPMENT, FIXTURES, PIPING, DUCTS, ETC. ARE REMOVED SUCH REMOVAL SHALL INCLUDE ANCHORS, HANGERS, BASE, ETC.; AFTER REMOVAL, PATCH FLOORS, WALLS AND CEILINGS TO MATCH ADJACENT SURFACES IN MATERIAL, TEXTURE AND COLOR.
16. PATCH EXISTING PARTITIONS AND WALLS WITHIN THE SCOPE OF THE PROJECT THAT ARE DENTED OR DAMAGED AND FILL ALL NAIL HOLES, ETC. TO PREPARE FOR FINISH AS PER NEW FINISHES REQUIREMENTS.
17. PATCH AND REPAIR PARTITIONS, WALLS AND FLOORS CUT OUT FOR MECHANICAL, PLUMBING OR ELECTRICAL WORK.
18. PROVIDE GYPSUM BOARD BARRIER (FIRE RATED ASSEMBLIES WHERE REQUIRED) WITH ACCESS BETWEEN CONSTRUCTION AREA AND EXISTING AREA TO REMAIN. NO FUMES, DUST OR DEBRIS IS PERMITTED OUTSIDE OF THE CONSTRUCTION BARRIER.

DISCLAIMER

THESE COMPOSITION PLANS WERE DEVELOPED USING THE RECORD CONSTRUCTION PLANS PROVIDED BY THE CLIENT. RECORD DRAWINGS WERE UTILIZED TO GENERATE THE COMPOSITE PLANS. VERIFICATIONS WERE MADE FOR MINOR ALTERATION AND DEVIATIONS FROM THE ORIGINAL CONSTRUCTION PLANS. EXTENSIVE AS-BUILT VERIFICATION WAS NOT PERFORMED FOR THE COMPOSITE PLANS. THE COMPOSITE PLANS WERE UTILIZED FOR THE BASE PLANS FOR THE DEVELOPMENT OF THE MECHANICAL AND ELECTRICAL COMPOSITE PLANS. LIMITED FIELD VERIFICATION OF MECHANICAL AND ELECTRICAL SYSTEMS WERE PERFORMED TO DETERMINE LOCATIONS OF MAJOR COMPONENTS, FIRE PROTECTION AND LIFE SAFETY SYSTEMS

VICINITY MAP



PROJECT DATA

PROJECT NAME	HCA - LEE'S SUMMIT MEDICAL CENTER - INPATIENT BED EXPANSION
ADDRESS	2100 SE BLUE PKWAY LEE'S SUMMIT, MO 64063
BRIEF PROJECT DESCRIPTION	THIS PACKAGE INCLUDES THE FOLLOWING EXTERIOR AND SITE COMPONENTS OF THE INPATIENT BED EXPANSION PROJECT AT LEE'S SUMMIT MEDICAL CENTER FOR THE FINAL DEVELOPMENT PLAN APPLICATION: - REMOTE PARKING LOT - PEDESTRIAN WALKWAY BRIDGE FROM REMOTE PARKING LOT TO HOSPITAL PARKING LOT - EXTERIOR ELEVATIONS FOR DIETARY EXPANSION AT LEVEL 1 AND INPATIENT BED TOWER EXPANSION ON LEVEL 3

SHEET INDEX

X = ISSUED SHEET
R = REVISED SHEET
F = FOR REFERENCE ONLY
D = DELETED SHEET

SHEET NUMBER	SHEET NAME	FINAL DEVELOPMENT PACKAGE - FIRST REVIEW - 07/24/2024
DP-GENERAL INFORMATION		
DP-GI000	COVER SHEET	X
DP-GI001	SHEET INDEX	X
DP-ARCHITECTURAL SITE		
DP-AS002	ARCHITECTURAL SITE PLAN	X
CIVIL		
C0.0	COVER SHEET	X
C1.0	EXISTING CONDITIONS	X
C2.0	GENERAL NOTES	X
C3.0	INITIAL EROSION CONTROL PLAN	X
C3.1	FINAL EROSION CONTROL PLAN	X
C3.2	SEDIMENT AND EROSION CONTROL DETAILS	X
C3.3	SEDIMENT AND EROSION CONTROL DETAILS	X
C4.0	OVERALL DEMOLITION PLAN	X
C4.1	DETAILED DEMOLITION PLAN	X
C4.2	DETAILED DEMOLITION PLAN	X
C5.0	OVERALL LAYOUT PLAN	X
C5.1	DETAILED LAYOUT PLAN	X
C5.2	DETAILED LAYOUT PLAN	X
C6.0	OVERALL GRADING & DRAINAGE PLAN	X
C6.1	DETAILED GRADING & DRAINAGE PLAN	X
C6.2	DETAILED GRADING & DRAINAGE PLAN	X
C6.3	DETAILED GRADING & DRAINAGE PLAN	X
C6.4	PEDESTRIAN BRIDGE PLAN & PROFILE	X
C7.0	OVERALL UTILITY PLAN	X
C7.1	DETAILED UTILITY PLAN	X
C8.0	SITE DETAILS	X
C8.1	SITE DETAILS	X
L1.0	OVERALL LANDSCAPE PLAN	X
L1.1	DETAILED LANDSCAPE PLAN	X
L1.2	DETAILED LANDSCAPE PLAN	X
L2.0	LANDSCAPE DETAILS	X
ARCHITECTURAL		
AE201	EXTERIOR BUILDING ELEVATIONS	X
AE202	EXTERIOR BUILDING ELEVATIONS	X
AE203	EXTERIOR BUILDING ELEVATIONS	X
DP-MEP		
DP-E00-00	GENERAL INFORMATION - ELECTRICAL	X
DP-E01-01	SITE PLAN - PHOTOMETRICS	X
DP-E01-E02	SITE PLAN - ELECTRICAL	X
DP-E08-01	SCHEDULES - ELECTRICAL	X

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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

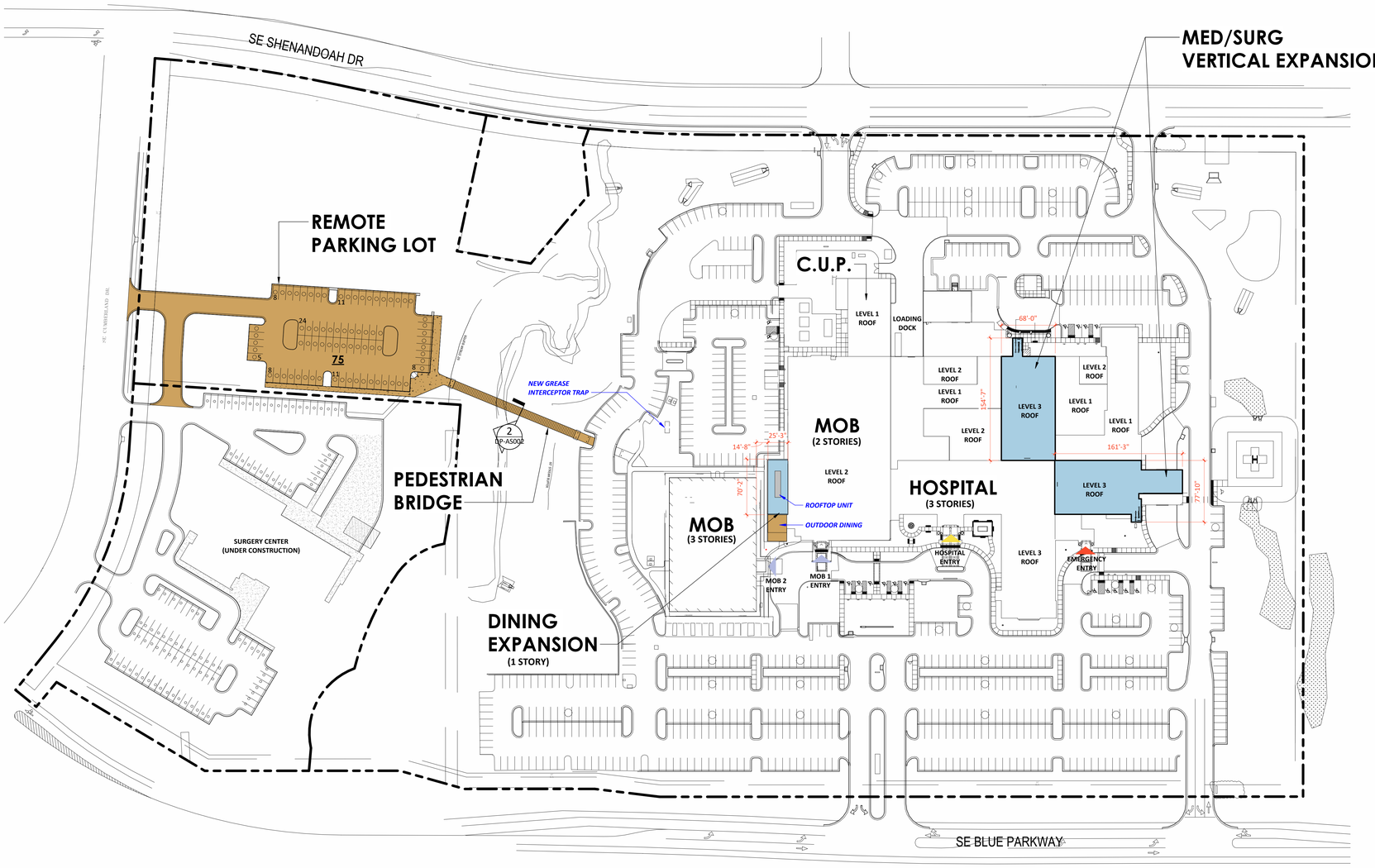
DATE:	2024/07/24
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REVIEWED:	
JOB NUMBER:	6406.24

SHEET INDEX

DP-GI001

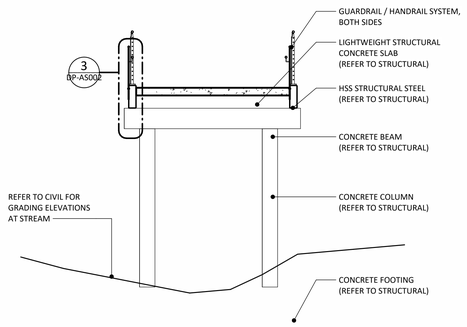
7/24/2024 8:38:19 PM Autodesk Docs://6406.24.0001 - HCA - LSMC MedSurg Expansion_rvt23/6406.24.0001 HCA - LSMC Med Surge Expansion.rvt

REFER TO CIVIL DRAWINGS FOR PARKING SUMMARY.



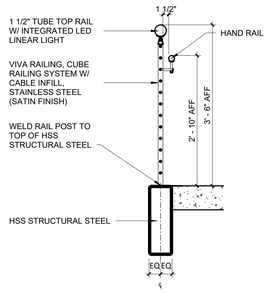
1 ARCHITECTURAL SITE PLAN

1/64" = 1'-0"



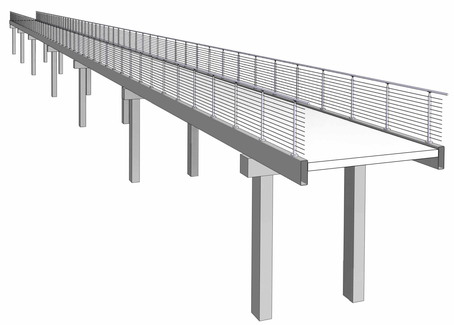
2 PEDESTRIAN BRIDGE SECTION

1/4" = 1'-0"



3 GUARDRAIL/HANDRAIL SECTION AT STAIR

3/4" = 1'-0"



4 PEDESTRIAN BRIDGE

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INPATIENT BED EXPANSION

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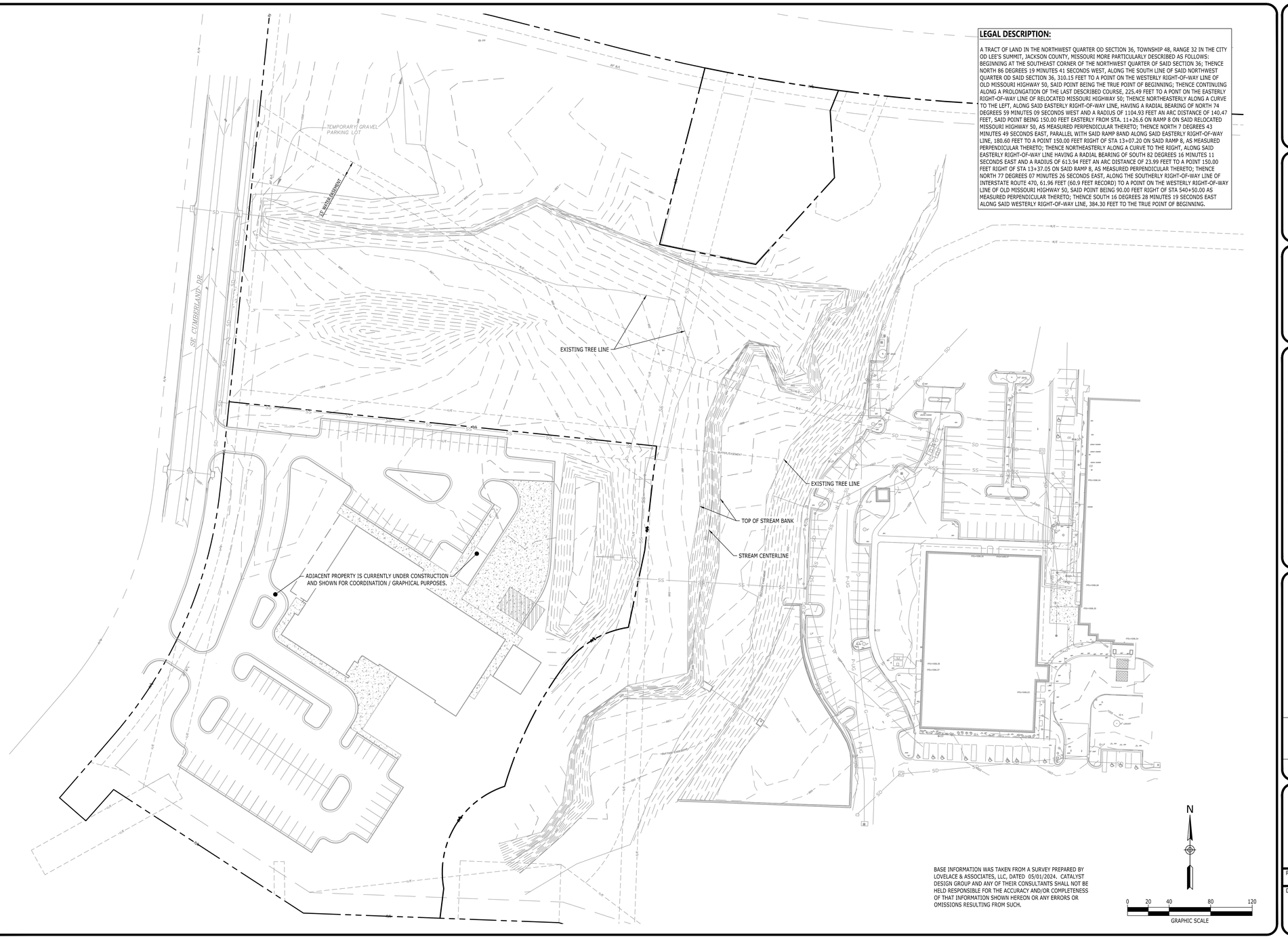
REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	05/24/2024
SCALE:	As indicated
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JOB NUMBER:	6406.24

ARCHITECTURAL SITE PLAN

DP-AS002

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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 8AND 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.

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
1524 WILLIAMS DRIVE, SUITE 201, MURFREESBORO, TN 37129
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LEE'S SUMMIT
MEDICAL CENTER
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063
816-282-5000

FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION

DRAWING TITLE
EXISTING CONDITIONS

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C1.0

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STATE OF MISSOURI
JACK J. PARKER
NUMBER
PE-2010040852
PROFESSIONAL ENGINEER
07/25/2024

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AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/07/24
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EXISTING CONDITIONS

DP-C1.0

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PROJECT NOTES

1. SUBJECT PROPERTY SHOWN ON TAX MAP 60, AS PARCEL 60-420-99-15-00-0-00-000 OF THE JACKSON COUNTY COUNTY, MO, TAX MAPS.
2. SITE EXISTING CONDITIONS ARE TAKEN FROM SURVEY BY LOVELACE & ASSOCIATES, LLC DATED 05/01/2024. CATALYST DESIGN GROUP SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF OR OMISSIONS FROM THE EXISTING CONDITIONS OR ERRORS RESULTING THEREFROM.
3. CATALYST DESIGN GROUP RECOMMENDS THAT CONSTRUCTION STAKING BE PROVIDED BY A SURVEYOR LICENSED IN THE STATE OF THE PROJECT.
4. 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.
5. DIMENSIONS PROVIDED ON THE PLAN ARE TAKEN TO THE FACE OF CURBS, EDGE OF CONCRETE OR EDGE OF BUILDING, UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL ADHERE TO PERMIT REQUIREMENTS AS WORK PROCEEDS.
9. SITE CONTROL SHALL BE BASED OFF THE REFERENCE POINTS PROVIDED. SEE THE ARCHITECTURAL PLANS FOR LAYOUT CONTROL OF BUILDING ADDITIONS.
10. 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.
11. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO PUBLIC ROADWAYS, CURBS AND SIDEWALKS IN ACCORDANCE WITH THE LOCAL REQUIREMENTS AT CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR GOVERNING AGENCIES AT CONTRACTOR'S EXPENSE.
13. 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.
14. ON SITE ASPHALT PAVEMENT MATERIALS SHALL BE PER LOCAL AUTHORITY SPECIFICATIONS, STATE SPECIFICATIONS, AND GEOTECHNICAL REPORT RECOMMENDATIONS.
15. THE CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS AND PRECAUTIONS.
16. UNLESS OTHERWISE NOTED, SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS FOR REVIEW. DESIGN DRAWINGS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. THE ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT 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.
17. 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.
18. ALL SPECIFICATIONS, DOCUMENTS, AND DETAILS REFERENCED SHALL BE THE LATEST REVISION AS APPLICABLE AT THE TIME OF PERMIT APPROVAL.
19. CONTRACTOR SHALL REPAIR ALL OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN AT THE START OF CONSTRUCTION.

DEMOLITION NOTES

1. 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.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO ACCOMPLISH THE PROPOSED WORK.
3. THE CONTRACTOR SHALL PROTECT PROPERTY BOUNDARY PINS AND SURVEY CONTROL POINTS FROM DAMAGE.
4. THE CONTRACTOR SHALL COMPLY WITH EROSION PREVENTION AND SEDIMENT CONTROL REQUIREMENTS AND INSTALL NECESSARY EPSC MEASURES AND CONSTRUCTION ENTRANCE/ EXIT PRIOR TO DISTURBING EXISTING VEGETATION. THE CONTRACTOR SHALL USE WATER SPRINKLING OR OTHER MEASURES TO CONTROL DUST AND OTHER AIRBORNE DEBRIS RESULTING FROM DEMOLITION.
5. TREE PROTECTION MEASURES SPECIFIED IN THESE PLANS SHALL BE INSTALLED PRIOR TO BEGINNING DEMOLITION OPERATIONS.
6. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR DEMOLITION AND TREE REMOVAL.
7. 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.
8. UTILITY AND STORM SEWER LINES SHOULD NOT BE DEMOLISHED UNTIL NEW OR RELOCATED LINES HAVE BEEN INSTALLED AND ARE OPERATIONAL.
9. THE CONTRACTOR SHALL INCLUDE IN THEIR COST ANY ISOLATION VALVES OR TEMPORARY MEASURES REQUIRED TO ACCOMPLISH RELOCATIONS AND DEMOLITION OF UTILITIES.
10. PAVEMENTS, 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.
11. EXISTING SITE FEATURES NOTED AS BEING ABANDONED MAY BE ABANDONED INPLACE IF THE ITEMS ARE LOCATED MORE THAN 24" BELOW FINAL SUBGRADES (TO TOP OF PIPE OR OTHER FEATURE) AND NOT LOCATED WITHIN PROPOSED BUILDING FOOTPRINTS. ENDS OF PIPES ABANDONED SHALL BE SEALED WITH CONCRETE.
12. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S COST UNLESS NOTED TO BE PROVIDED TO THE OWNER.
13. CAVITIES LEFT BY DEMOLITION SHALL BE PROPERLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
14. 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.
15. IT SHALL BE THE CONTRACTORS 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.
16. 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

1. 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.
2. 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.
3. 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'X5' MAXIMUM 2% IN ANY DIRECTION.
4. 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 5' X 5' 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.
5. 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 PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.
6. 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

1. 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.
2. THE CONTRACTOR SHALL STAKE THE LIMITS OF CONSTRUCTION TO ENSURE THE TREE PROTECTION MEASURES ARE INSTALLED IN THE PROPER LOCATIONS.
3. 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.
4. ANY GRADING OR EXCAVATION WITHIN THE PROTECTED ROOT ZONE SHALL BE ACCOMPLISHED BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE DAMAGE.
5. 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.
6. DO NOT STORE EQUIPMENT OR MATERIALS WITHIN THE DRIP LINE OF TREES TO BE PRESERVED.
7. WHEN GRADING OR TRENCHING 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.
8. 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.
9. PROVIDE WATERING OF SPECIMEN TREES DURING CONSTRUCTION DURING PERIODS OF DROUGHT EXCEEDING SEVEN DAYS. EVENLY DISTRIBUTE WATER OVER THE ENTIRE ROOT ZONE.
10. ROOT ZONE AREAS OF TREES THAT HAVE BEEN COMPACTED DUE TO CONSTRUCTION ACTIVITIES SHALL BE AERATED AT THE DIRECTION OF A QUALIFIED ARBORIST.
11. HOSE DOWN FOLIAGE OF SPECIMEN TREES SUBJECT TO HEAVY ACCUMULATION OF DUST FROM CONSTRUCTION ACTIVITIES.
12. 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.
13. 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

1. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES SHALL BE INSTALLED PER LOCAL AND STATE REQUIREMENTS PRIOR TO ANY EARTH MOVING ACTIVITIES.
2. 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.
3. EPSC MEASURES SHALL BE INSTALLED AND INSPECTED BY LOCAL OFFICIALS (IF REQUIRED) PRIOR TO BEGINNING EARTH MOVING OPERATIONS. EPSC MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
4. LOCATION OF DIVERSION DITCHES, SILT FENCE, AND OTHER MEASURES MAY BE SLIGHTLY ADJUSTED IN THE FIELD TO AVOID TREES AND OTHER EXISTING FEATURES.
5. 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 EPSC 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.
6. 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.
7. 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.
8. THE CONTRACTOR SHALL PROVIDE A RAIN GAUGE AT THE SITE AND DOCUMENT RAINFALL EVENTS DURING THE CONSTRUCTION PERIOD.
9. 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.
10. 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.
11. THE CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE THE LENGTH OF TIME THE SITE SOILS ARE EXPOSED TO EROSION. PROVIDE TEMPORARY COVER AS NECESSARY.
12. EPSC 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

1. 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.
2. AS-BUILT SURVEYS SHOULD AT A MINIMUM PROVIDE THE FOLLOWING ITEMS:
   - 2.1. SPOT ELEVATIONS OF THE EXCAVATED BIORETENTION AND/OR PERMEABLE PAVER SUBGRADE PRIOR TO BACKFILLING WITH THE SPECIALTY SOIL AND GRAVEL LAYERS.
   - 2.2. SPOT ELEVATIONS OF SUBGRADE FOR UNDERGROUND DETENTION SYSTEMS.
   - 2.3. 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.
   - 2.4. SIZE, MATERIAL, ELEVATION INFORMATION FOR ALL STORMWATER PIPES AND STRUCTURES WITHIN THE PUBLIC RIGHT OF WAY.
   - 2.5. SIZE, MATERIAL, ELEVATION INFORMATION FOR ALL PRIVATE STORMWATER QUALITY FEATURES, DETENTION STRUCTURES AND INFRASTRUCTURE DOWNSTREAM OF THESE FEATURES.
   - 2.6. 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.
   - 2.7. ALL OTHER AS-BUILT INFORMATION REQUIRED BY THE JURISDICTIONAL AUTHORITY OR NOTED ELSEWHERE IN THE PLANS.
3. 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/OR 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.
4. 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

1. THE DISTURBED AREA FOR THIS PROJECT IS ESTIMATED TO BE ±2.19 ACRES.
2. THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 29095C0439G OF THE FEMA FLOOD INSURANCE MAPS FOR JACKSON COUNTY COUNTY, MO, DATED 01/20/2017.
3. FOLLOW THE DIRECTIVES OF THE EROSION CONTROL AND TREE PROTECTION NOTES INCLUDED ELSEWHERE IN THESE DOCUMENTS.
4. 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.
5. 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.
6. THE CONTRACTOR SHALL CONFIRM EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION AND CONTACT THE ENGINEER WITH ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL OBTAIN ALL APPROVALS AND PERMITS PRIOR TO INITIATING GRADING OPERATIONS.
8. POSITIVE DRAINAGE SHALL BE ESTABLISHED INITIALLY AND MAINTAINED THROUGHOUT CONSTRUCTION.
9. 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.
10. 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.
11. CONTRACTOR WILL PROCURE THE SERVICES OF A QUALIFIED SOILS TESTING LABORATORY/ ENGINEER TO OBSERVE WORK AND MAKE TESTS AS REQUIRED.
12. CONTRACTOR SHOULD COMPLETE GRADING ACTIVITIES WITHIN 10 CALENDAR DAYS OF ACHIEVING OPTIMUM SUBGRADE COMPACTION.
13. 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.
14. THE CONTRACTOR SHALL, AT THEIR COST, PROVIDE OFFSITE MATERIALS MEETING THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER'S REPORT WHERE ONSITE SOIL QUANTITIES ARE NOT SUFFICIENT. ALL FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL REPRESENTATIVE PRIOR TO BEING HAULED TO THE SITE. MATERIAL SHALL BE PLACED AND COMPACTED IN LIFT DEPTHS AS NOTED IN THE SPECIFICATIONS AND INSPECTED BY THE GEOTECHNICAL REPRESENTATIVE. SUBGRADES SHALL BE PROOF ROLLED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND GEOTECHNICAL REPRESENTATIVE'S DIRECTIONS. UNSUITABLE MATERIALS SHALL BE REMOVED AND REPLACED AS DIRECTED.
15. CUT AREAS SHALL BE PROOF-ROLLED AFTER FINAL SUBGRADE IS ACHIEVED IN THE SAME MANNER AS FILLED 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.
16. APPLICABLE SPECIFICATIONS FOR COMPACTED FILL: THE FOLLOWING CURRENT AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) STANDARDS ARE HEREBY MADE PART OF THIS SPECIFICATION:
   - 16.1. C136/136M STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES
   - 16.2. D421-58 DRY PREPARATION OF SOIL SAMPLES FOR GRAIN-SIZE ANALYSIS AND DETERMINATION OF SOIL CONSTANTS.
   - 16.3. D422-63 STANDARD METHOD OF PARTICLE SIZE ANALYSIS OF SOILS.
   - 16.4. D1150-54 METHOD OF TEST FOR AMOUNT OF MATERIAL IN SOILS FINER THAN NO. 200 SIEVE.
   - 16.5. D698 METHOD FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING STANDARD EFFORT
   - 16.6. 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.
   - 16.7. D2487 STANDARD PRACTICE FOR CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES
   - 16.8. D4318 STANDARD TEST METHODS FOR LIQUID LIMIT, PLASTIC LIMIT, AND PLASTICITY INDEX OF SOILS
   - 16.9. 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.
17. 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.
18. 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.
   - 18.1. WHERE BUILDINGS (EXISTING OR PROPOSED) OR OTHER SITE ELEMENTS CLOSELY ABUT 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.
   - 18.2. 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.
19. 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 REQUIRE STABILIZATION WHERE SLOPES ARE LESS THAN 3:1 CONTRACTOR TO USE NORTH AMERICAN GREEN SC-150 OR APPROVED EQUAL.
20. MINIMUM GRADES SHALL BE 1% IN PAVEMENT AREAS, AND A MINIMUM OF 2% IN LAWN AREAS UNLESS DIRECTLY SPECIFIED IN THE PLANS.
21. 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 REP



EROSION CONTROL KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
EC1	TEMPORARY CONSTRUCTION ENTRANCE	1 / DP-C3.2
EC2	SILT FENCE	3 / DP-C3.2
EC3	INLET PROTECTION	4 / DP-C3.2
EC4	TREE PROTECTION	2 / DP-C3.2
EC7	RIPRAP OUTLET PROTECTION	2 / DP-C3.3
EC8	EROSION EEL	1 / DP-C3.3
EC8	TURF REINFORCEMENT MATTING	4 / DP-C3.3
EC10	CONCRETE WASH-OUT	3 / DP-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 COUNTY, MO. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 2.19± ACRES TO CONSTRUCT A REMOTE PARKING, PEDESTRIAN BRIDGE, AND DIETARY EXPANSION.

1. APPROXIMATE CONSTRUCTION TIME TABLE:
   BEGIN CONSTRUCTION - FEB 2025
   COMPLETE CONSTRUCTION - MAY 2026
2. CONSTRUCTION SEQUENCE:
   A. ATTEND WATER QUALITY DIVISION PRE-CONSTRUCTION MEETING.
   B. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE
   C. CONTACT WATER QUALITY DIVISION - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
   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.
3. TOTAL PROJECT AREA = 1,066,349 SF (24.48± AC.)
   DISTURBED AREA = 95,299 S.F. (2.19± AC.)

EROSION CONTROL NOTES:

1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND 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.
2. 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.
3. 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.
4. 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 SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
7. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.
9. DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF THE COMPLETION OF GRADING ACTIVITIES. SLOPES 3:1 OR STEEPER SHALL BE STABILIZED WITHIN 7 DAYS.

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FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DESCRIPTION	DATE

DRAWING TITLE
INITIAL EROSION CONTROL PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C3.0

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STATE OF MISSOURI
JACK J. PARKER
NUMBER PE-2012040852
PROFESSIONAL ENGINEER
07/25/2024

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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

DATE:	2024/07/24
SCALE:	1:50
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

INITIAL EROSION CONTROL PLAN

DP-C3.0

P:\20241\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_ERO.dwg>DP-C3.0 INITIAL EROSION CONTROL PLAN Jul 26, 2024 wellssard
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EROSION CONTROL KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
EC1	TEMPORARY CONSTRUCTION ENTRANCE	1 / DP-C3.2
EC2	SILT FENCE	3 / DP-C3.2
EC3	INLET PROTECTION	4 / DP-C3.2
EC4	TREE PROTECTION	2 / DP-C3.2
EC7	RIPRAP OUTLET PROTECTION	2 / DP-C3.3
EC8	EROSION EEL	1 / DP-C3.3
EC8	TURF REINFORCEMENT MATTING	4 / DP-C3.3
EC10	CONCRETE WASH-OUT	3 / DP-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 COUNTY, MO. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 2.19± ACRES TO CONSTRUCT A REMOTE PARKING, PEDESTRIAN BRIDGE, AND DIETARY EXPANSION.

1. APPROXIMATE CONSTRUCTION TIME TABLE:
   BEGIN CONSTRUCTION - FEB 2025
   COMPLETE CONSTRUCTION - MAY 2026
2. CONSTRUCTION SEQUENCE:
   A. ATTEND WATER QUALITY DIVISION PRE-CONSTRUCTION MEETING.
   B. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE
   C. CONTACT WATER QUALITY DIVISION - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.
   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.
3. TOTAL PROJECT AREA = 1,066,349 SF (24.48± AC.)
   DISTURBED AREA = 95,299 S.F. (2.19± AC.)

EROSION CONTROL NOTES:

1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND 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.
2. 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.
3. 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.
4. 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 SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
7. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.
9. DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF THE COMPLETION OF GRADING ACTIVITIES. SLOPES 3:1 OR STEEPER SHALL BE STABILIZED WITHIN 7 DAYS.

N

0 25 50 100 150
GRAPHIC SCALE

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

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MEDICAL CENTER
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FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DESCRIPTION	DATE

DRAWING TITLE
FINAL EROSION CONTROL PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C3.1

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STATE OF MISSOURI
JACK J. PARKER
NUMBER PE-2012040852
PROFESSIONAL ENGINEER
07/25/2024

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FINAL EROSION CONTROL PLAN

DP-C3.1

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SCHEDULE OF INSPECTIONS AND MAINTENANCE NOTES

1. 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.
2. 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.
3. 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.
4. 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 TRACKING.
5. 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.
6. 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.
7. 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 10 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.
8. 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.
9. 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

1. 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.
2. 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.
3. 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.
4. 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:

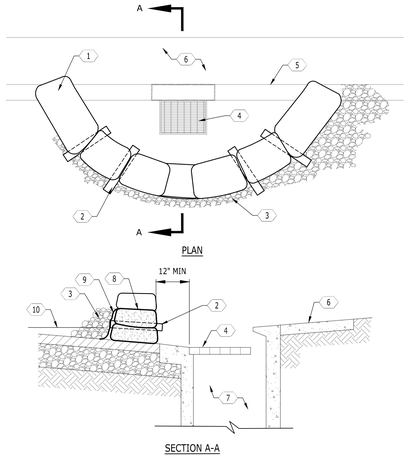
   "I CERTIFY UNDER PENALTY OF LAW THAT THIS REPORT AND ALL ATTACHMENTS ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."
5. THE SITE ASSESSMENT CAN TAKE THE PLACE OF ONE OF THE TWICE WEEKLY INSPECTIONS REQUIREMENT.
6. 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:

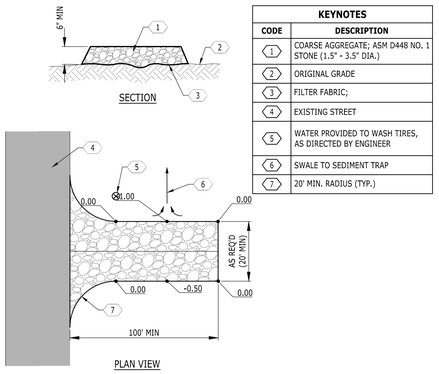
CONTRACTOR SHALL INSTALL A 4'X4' WEATHER PROOF SIGN (6' HEIGHT) AT THE MAIN CONSTRUCTION ENTRANCE. THE SIGN SHALL HAVE THE FOLLOWING INFORMATION:

1. A COPY OF THE NOTICE OF COVERAGE WITH THE NPDES PERMIT NUMBER (FURNISHED BY ENGINEER).
2. THE NAME AND TELEPHONE NUMBER OF A LOCAL CONTACT PERSON (FURNISHED BY CONSTRUCTION MANAGER).
3. 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 (¾" 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.



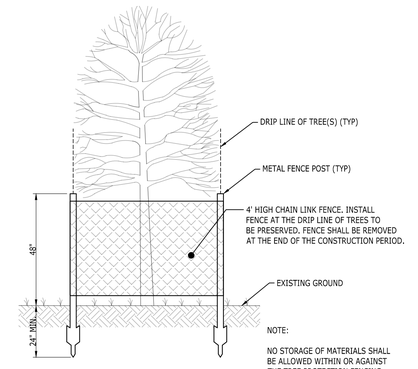
4 **SAND BAG CURB INLET PROTECTION**



KEYNOTES	
CODE	DESCRIPTION
1	COARSE AGGREGATE; ASM D448 NO. 1 STONE (1.5" - 3.5" DIA.)
2	ORIGINAL GRADE
3	FILTER FABRIC;
4	EXISTING STREET
5	WATER PROVIDED TO WASH TIRES, AS DIRECTED BY ENGINEER
6	SWALE TO SEDIMENT TRAP
7	20' MIN. RADIUS (TYP.)

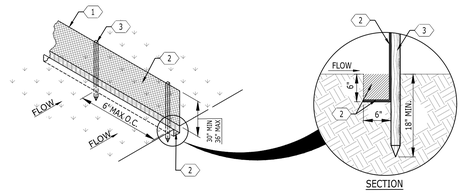
1 **TEMPORARY CONSTRUCTION ENTRANCE**

NOT TO SCALE

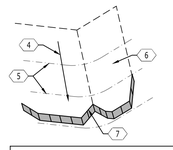


2 **TREE PROTECTION**

NOT TO SCALE



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



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
Ultraciolet Stability (2) (ASTM D-4632 after 300 hours weathering in accordance with ASTM D-4355)	80	80
Bursting Strength (PSI Min.) (ASTM D-3786 Diaphram Bursting Strength Tester)	175	175
Minimum Fabric Width (Inches)	36	22

3 **SILT FENCE - TYPES A & B**

NOT TO SCALE

Devenney GROUP

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JACK J. PARKER
NUMBER PE-2012060852
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FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT
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2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

DRAWING TITLE
SEDIMENT AND EROSION CONTROL DETAILS

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C3.2

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SEDIMENT AND EROSION CONTROL DETAILS

DP-C3.2

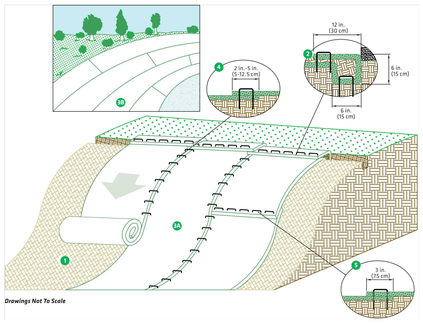
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Slope Installation

The following slope guide outlines general recommendations for installing RollMax™ System temporary and/or permanent RECPs on sloping applications. Consult the staple pattern guide (Figure 1) for fastener spacing recommendations based on the slope severity.



Drawings Not To Scale

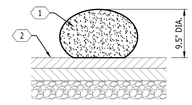
SLOPE INSTALLATION STEPS

1. Prepare soil before installing RECPs, including any necessary application of lime, fertilizer and seed.
2. Begin at the top of the slope by anchoring the RECPs in a 6 in. (15 cm) deep x 6 in. (15 cm) wide trench with approximately 12 in. (30 cm) of RECPs extended beyond the upslope portion of the trench. Anchor the RECPs with a row of staples/stakes approximately 12 in. (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12 in. (30 cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12 in. (30 cm) apart across the width of the RECPs.
3. Roll the RECPs (3A) down or (3B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
4. The edges of parallel RECPs must be stapled with an approximately 2 in.-5 in. (5-12.5 cm) overlap depending on the RECP type.
5. Consecutive RECPs spliced down the slope must be end-over-end (shingle style) with an approximate 3 in. (7.5 cm) overlap. Staple through overlapped area, approximately 12 in. (30 cm) apart across entire RECPs width.*

**NOTE: In adverse soil conditions longer staples/stakes or earth anchors may be necessary to properly secure the RECPs.*

4 TURF REINFORCEMENT MATTING

NOT TO SCALE



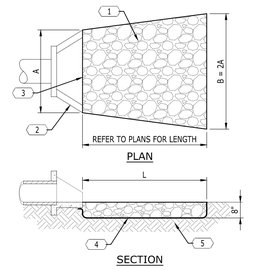
SECTION

KEYNOTES	
CODE	DESCRIPTION
1	SILTATION EEL DEVICE; USED IN AREAS WHERE EXISTING PAVEMENT PREVENTS THE USE OF SILT FENCE; STABILIZE THE SILTATION EEL BY PLACING SANDBAGS SPACED A MAX. OF 8' O.C. ON TOP OF THE DEVICE
2	PAVEMENT SURFACE

1 TEMPORARY SILTATION EEL

NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	RIP-RAP 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 180N/BP 4553 OR AN APPROVED EQUIVALENT
	NOTE; 1. RIP-RAP STONE SHALL BE "FRACTURED FACED" WITH AT LEAST THREE DISTINCT SIDES. PROVIDE AND INSTALL IN ACCORDANCE WITH SECTION 709 OF THE CURRENT EDITION OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS-NASHVILLE-STADARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. 2. d50 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.



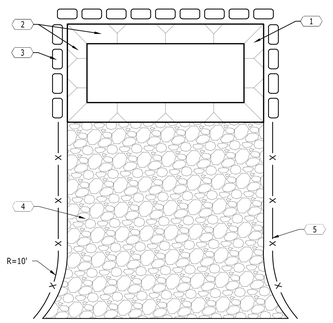
PLAN

SECTION

2 RIP-RAP OUTLET PROTECTION

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KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE WASH-OUT; 10'x20'; LINE WITH IMPERMEABLE GEOTEXTILE FABRIC AND SHALL HAVE A MIN. 12' DEPTH.
2	SLOPE SIDES 1:1
3	SANDBAGS
4	WASH-OUT GRAVEL ENTRANCE; 20'x20'; EDGE OF ENTRANCE TO BE LOCATED ON THE CURB EDGE OF ROADWAY
5	SILT FENCE; STAKE DOWN FIRST 10 FEET AT ENTRANCE WITH IRON RODS SPACED AT 12" O.C.
	NOTE: 1. TEMPORARY PIT SHALL BE CONSTRUCTED DEEP ENOUGH TO HANDLE ALL ANTICIPATED SLURRY, SOLID WASTE AND DIRECT RAINFALL. 2. NO RUNOFF SHALL LEAVE THE WASH-OUT AREA. 3. WASH-OUT WASTES INTO TEMPORARY PIT WHERE CONCRETE CAN SET, BE BROKEN UP AND PROPERLY DISPOSED OF. 4. WASH-OUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE, ONCE THE WASH-OUT IS 75% FULL. 5. WASH-OUT SHALL BE LOCATED A MIN. OF 50' AWAY FROM STORM DRAINS, OPEN DITECHES, WETLANDS AND WATER BODIES. 6. SIGNAGE INDENTIFYING THE CONCRETE WASH-OUT AREA SHALL BE INSTALLED WITHIN 5' OF THE WASH-OUT FACILITY.



3 CONCRETE WASH-OUT (METRO CP-10)

NOT TO SCALE

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PROFESSIONAL ENGINEER
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SEDIMENT AND EROSION CONTROL DETAILS

PROJECT NUMBER
20240037

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DP-C3.3

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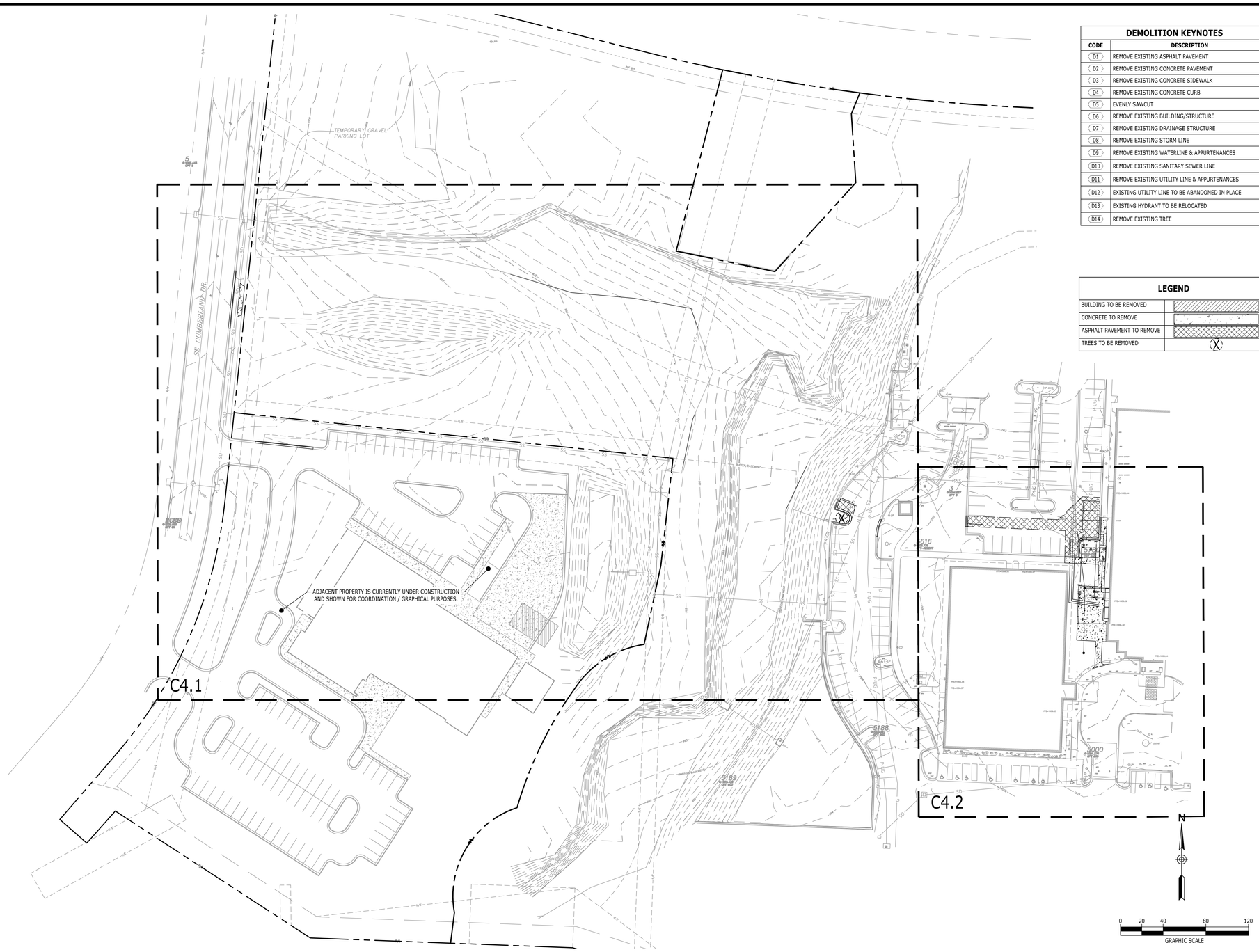
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SEDIMENT AND EROSION CONTROL DETAILS

DP-C3.3

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DEMOLITION KEYNOTES

CODE	DESCRIPTION
D1	REMOVE EXISTING ASPHALT PAVEMENT
D2	REMOVE EXISTING CONCRETE PAVEMENT
D3	REMOVE EXISTING CONCRETE SIDEWALK
D4	REMOVE EXISTING CONCRETE CURB
D5	EVENLY SAWCUT
D6	REMOVE EXISTING BUILDING/STRUCTURE
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D9	REMOVE EXISTING WATERLINE & APPURTENANCES
D10	REMOVE EXISTING SANITARY SEWER LINE
D11	REMOVE EXISTING UTILITY LINE & APPURTENANCES
D12	EXISTING UTILITY LINE TO BE ABANDONED IN PLACE
D13	EXISTING HYDRANT TO BE RELOCATED
D14	REMOVE EXISTING TREE

LEGEND

BUILDING TO BE REMOVED	
CONCRETE TO REMOVE	
ASPHALT PAVEMENT TO REMOVE	
TREES TO BE REMOVED	X

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LEGEND	
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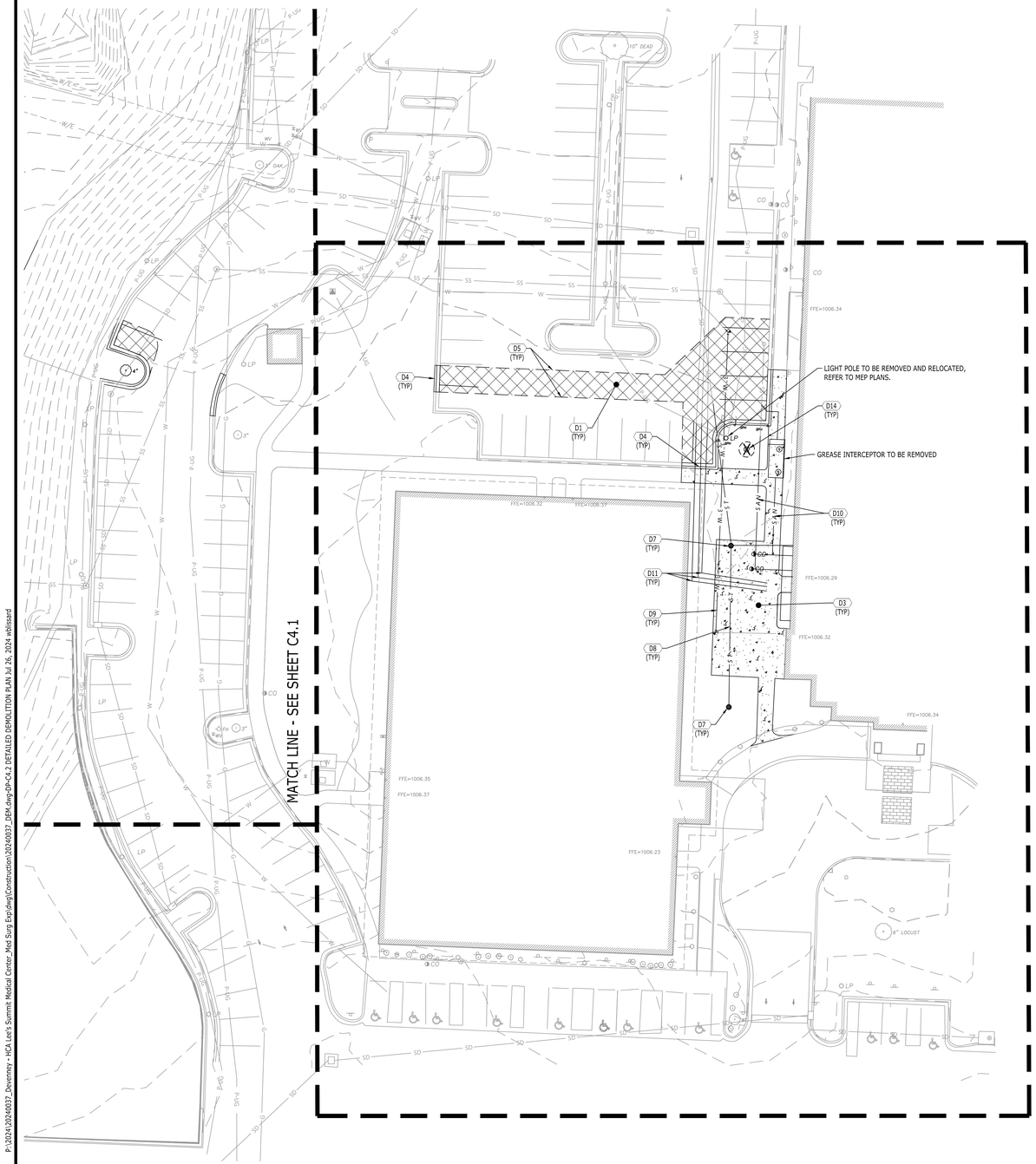
DETAILED DEMOLITION PLAN

DP-C4.1

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LEGEND

BUILDING TO BE REMOVED	
CONCRETE TO REMOVE	
ASPHALT PAVEMENT TO REMOVE	
TREES TO BE REMOVED	X

N

0 10 20 40 60

GRAPHIC SCALE

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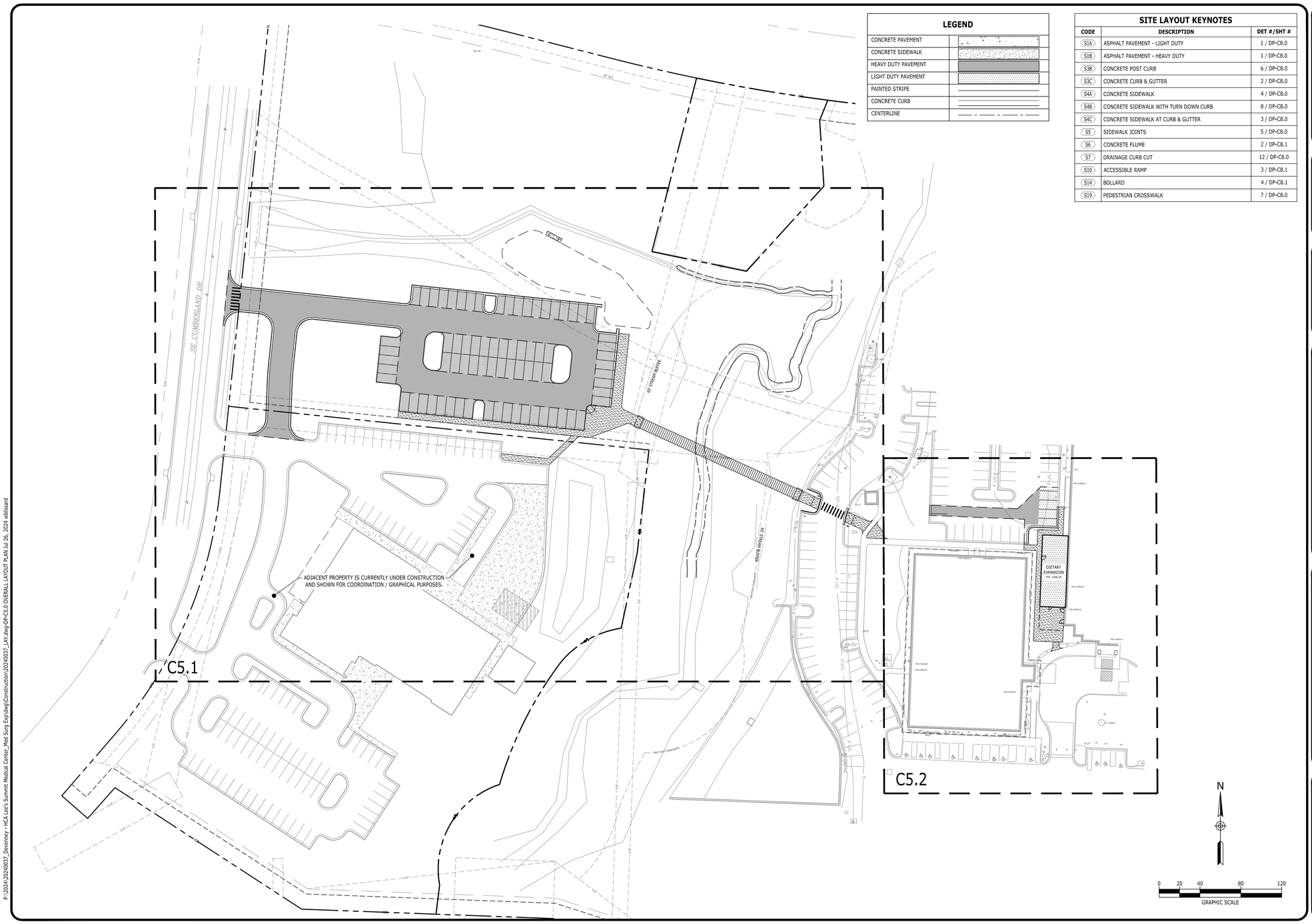
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LEGEND	
CONCRETE PAVEMENT	
CONCRETE SIDEWALK	
HEAVY DUTY PAVEMENT	
LIGHT DUTY PAVEMENT	
PAINTED STRIPE	
CONCRETE CURB	
CENTERLINE	

SITE LAYOUT KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
S1A	ASPHALT PAVEMENT - LIGHT DUTY	1 / DP-C8.0
S1B	ASPHALT PAVEMENT - HEAVY DUTY	1 / DP-C8.0
S3B	CONCRETE POST CURB	6 / DP-C8.0
S3C	CONCRETE CURB & GUTTER	2 / DP-C8.0
S4A	CONCRETE SIDEWALK	4 / DP-C8.0
S4B	CONCRETE SIDEWALK WITH TURN DOWN CURB	8 / DP-C8.0
S4C	CONCRETE SIDEWALK AT CURB & GUTTER	3 / DP-C8.0
S5	SIDEWALK JOINTS	5 / DP-C8.0
S6	CONCRETE FLUME	2 / DP-C8.1
S7	DRAINAGE CURB CUT	12 / DP-C8.0
S10	ACCESSIBLE RAMP	3 / DP-C8.1
S14	BOLLARD	4 / DP-C8.1
S19	PEDESTRIAN CROSSWALK	7 / DP-C8.0

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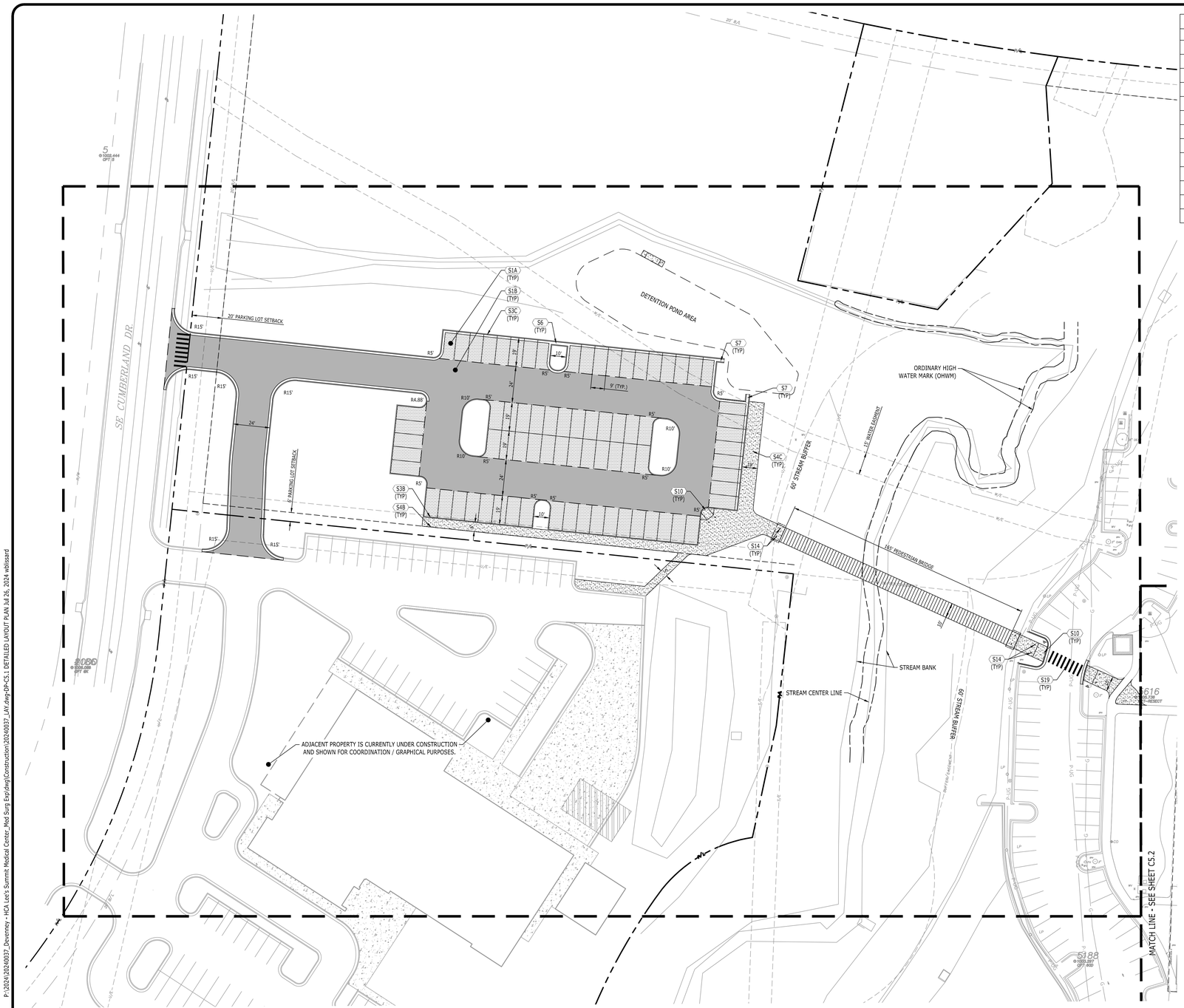
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OVERALL LAYOUT PLAN

DP-C5.0

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S4C	CONCRETE SIDEWALK AT CURB & GUTTER	3 / DP-C8.0
S5	SIDEWALK JOINTS	5 / DP-C8.0
S6	CONCRETE FLUME	2 / DP-C8.1
S7	DRAINAGE CURB CUT	12 / DP-C8.0
S10	ACCESSIBLE RAMP	3 / DP-C8.1
S14	BOLLARD	4 / DP-C8.1
S19	PEDESTRIAN CROSSWALK	7 / DP-C8.0

LEGEND	
CONCRETE PAVEMENT	
CONCRETE SIDEWALK	
HEAVY DUTY PAVEMENT	
LIGHT DUTY PAVEMENT	
PAINTED STRIPE	
CONCRETE CURB	
CENTERLINE	

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:	30 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.

N

0 15 30 60 90
GRAPHIC SCALE

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

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

FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION

DRAWING TITLE
DETAILED LAYOUT PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C5.1

Devenney GROUP
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

STATE OF MISSOURI
JACK J. PARKER
NUMBER PE-2012040852
PROFESSIONAL ENGINEER
07/25/2024

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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

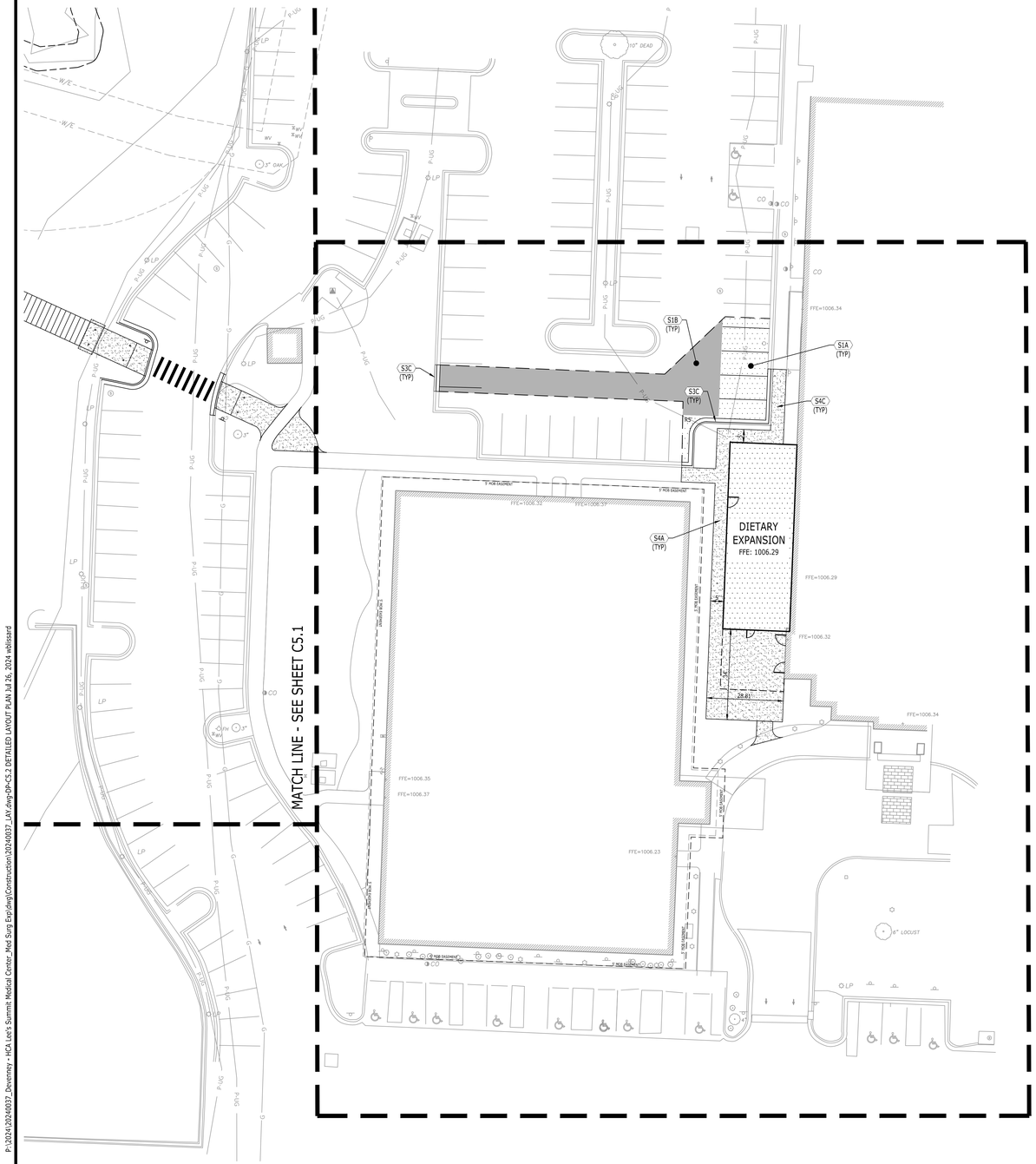
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REV #	DESCRIPTION	DATE

DATE:	2024/07/24
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JOB NUMBER:	6406.24

DETAILED LAYOUT PLAN

DP-C5.1

P:\20241\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_LAY.dwg>DP-C5.1 DETAILED LAYOUT PLAN Jul 26, 2024 wblissard
6/10/2024 9:05:24 PM Autodesk Docs://6406.24.0001 - LSMC MedSurg Expansion_rvt23/6406.24.0001 HCA - LSMC Med Surge Expansion.rvt



SITE LAYOUT KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
S1A	ASPHALT PAVEMENT - LIGHT DUTY	1 / DP-C8.0
S1B	ASPHALT PAVEMENT - HEAVY DUTY	1 / DP-C8.0
S3B	CONCRETE POST CURB	6 / DP-C8.0
S3C	CONCRETE CURB & GUTTER	2 / DP-C8.0
S4A	CONCRETE SIDEWALK	4 / DP-C8.0
S4B	CONCRETE SIDEWALK WITH TURN DOWN CURB	8 / DP-C8.0
S4C	CONCRETE SIDEWALK AT CURB & GUTTER	3 / DP-C8.0
S5	SIDEWALK JOINTS	5 / DP-C8.0
S6	CONCRETE FLUME	2 / DP-C8.1
S7	DRAINAGE CURB CUT	12 / DP-C8.0
S10	ACCESSIBLE RAMP	3 / DP-C8.1
S14	BOLLARD	4 / DP-C8.1
S19	PEDESTRIAN CROSSWALK	7 / DP-C8.0

LEGEND

CONCRETE PAVEMENT	
CONCRETE SIDEWALK	
HEAVY DUTY PAVEMENT	
LIGHT DUTY PAVEMENT	
PAINTED STRIPE	
CONCRETE CURB	
CENTERLINE	

N

0 10 20 40 60

GRAPHIC SCALE

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FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DESCRIPTION	DATE

DRAWING TITLE
DETAILED LAYOUT PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C5.2

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STATE OF MISSOURI
JACK J. PARKER
NUMBER PE-2012040852
PROFESSIONAL ENGINEER
07/25/2024

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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

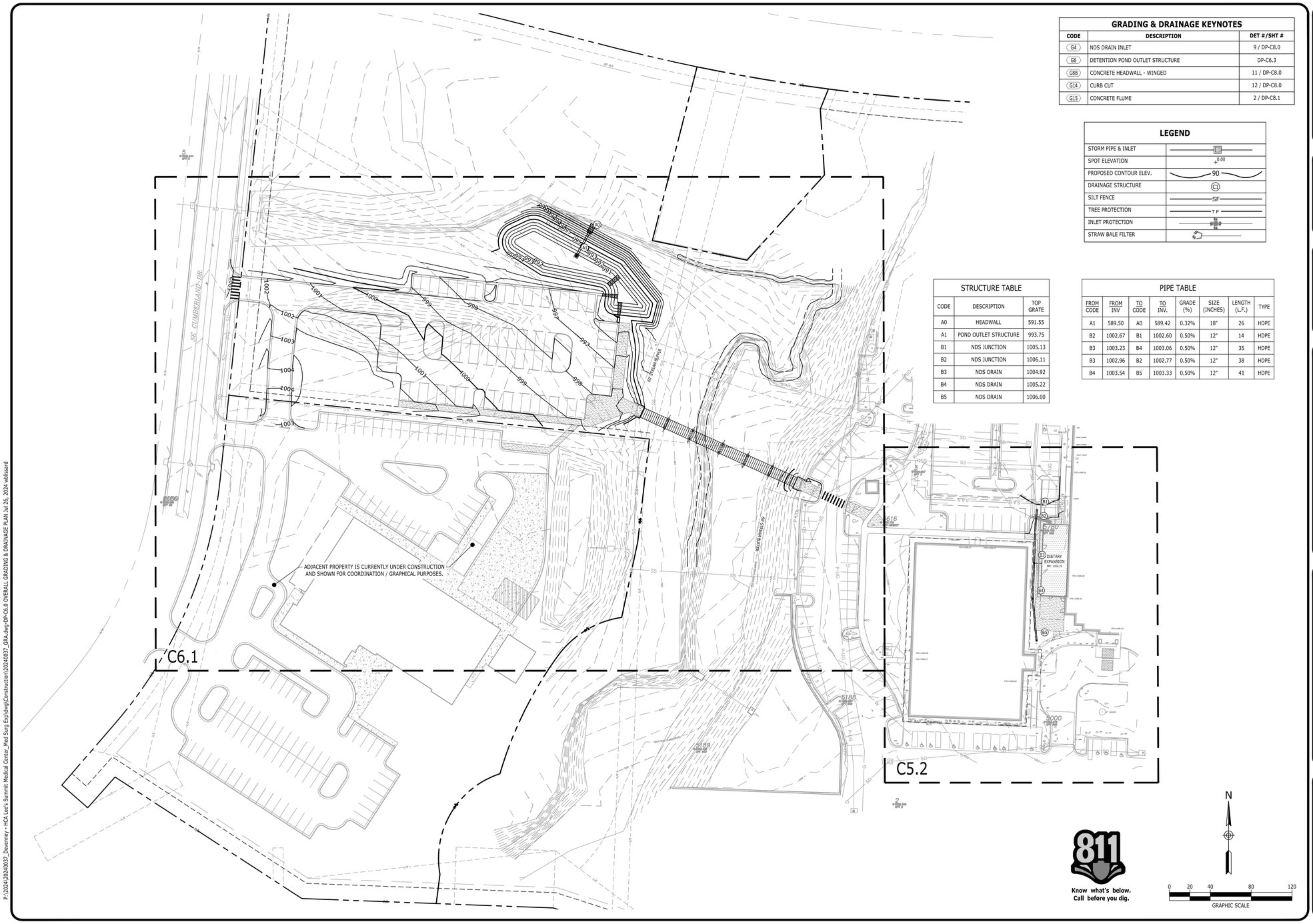
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REV #	DESCRIPTION	DATE

DATE:	2024/07/24
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DETAILED LAYOUT PLAN

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SE CUMBERLAND DR
ADJACENT PROPERTY IS CURRENTLY UNDER CONSTRUCTION AND SHOWN FOR COORDINATION / GRAPHICAL PURPOSES.
C6.1
C5.2
MEYER HOSLER DR
DIETARY EXPANSION
PFE=1006.29
PFE=1006.24
PFE=1006.19
PFE=1006.14
PFE=1006.09
PFE=1006.04
PFE=1005.99
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PFE=1004.34



GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
G4	NDS DRAIN INLET	9 / DP-C8.0
G6	DETENTION POND OUTLET STRUCTURE	DP-C6.3
G88	CONCRETE HEADWALL - WINGED	11 / DP-C8.0
G14	CURB CUT	12 / DP-C8.0
G15	CONCRETE FLUME	2 / DP-C8.1

LEGEND

STORM PIPE & INLET	
SPOT ELEVATION	0.00
PROPOSED CONTOUR ELEV.	90
DRAINAGE STRUCTURE	C1
SILT FENCE	SF
TREE PROTECTION	T.P.
INLET PROTECTION	SB
STRAW BALE FILTER	

Know what's below. Call before you dig.

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FINAL DEVELOPMENT PLAN
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2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

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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:
0972400009

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AGENCY

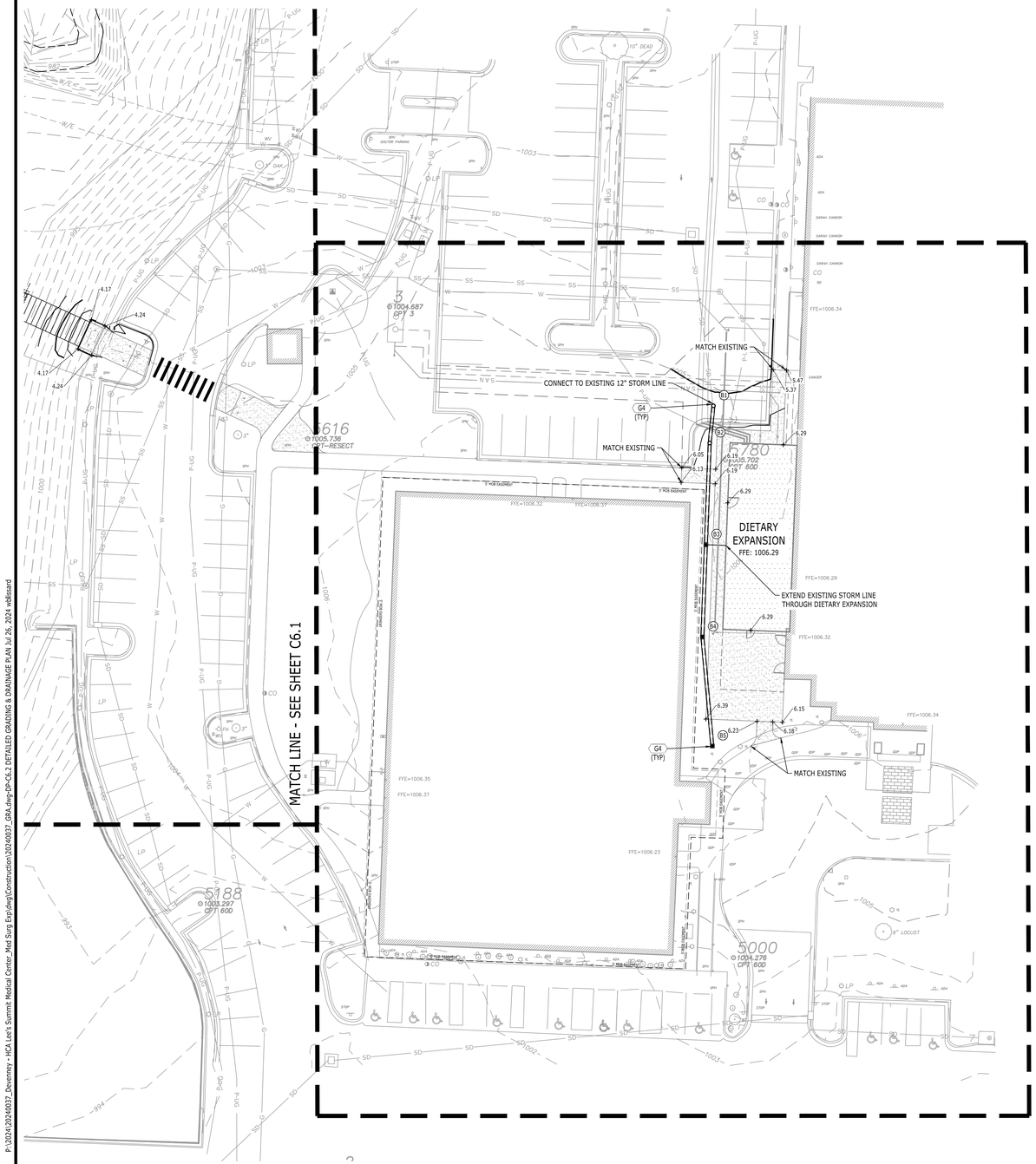
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REVIEWED:	WB
JOB NUMBER:	6406.24

DETAILED GRADING & DRAINAGE PLAN

DP-C6.1

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GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION	DET # /SHT #
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G15	CONCRETE FLUME	2 / DP-C8.1

LEGEND

STORM PIPE & INLET	
SPOT ELEVATION	0.00
PROPOSED CONTOUR ELEV.	90
DRAINAGE STRUCTURE	C1
SILT FENCE	SF
TREE PROTECTION	T.P.
INLET PROTECTION	IP
STRAW BALE FILTER	SB

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0 15 30 60 90
GRAPHIC SCALE

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MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

NO.	DESCRIPTION	DATE

FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

DRAWING TITLE
DETAILED GRADING & DRAINAGE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C6.2

REVISIONS

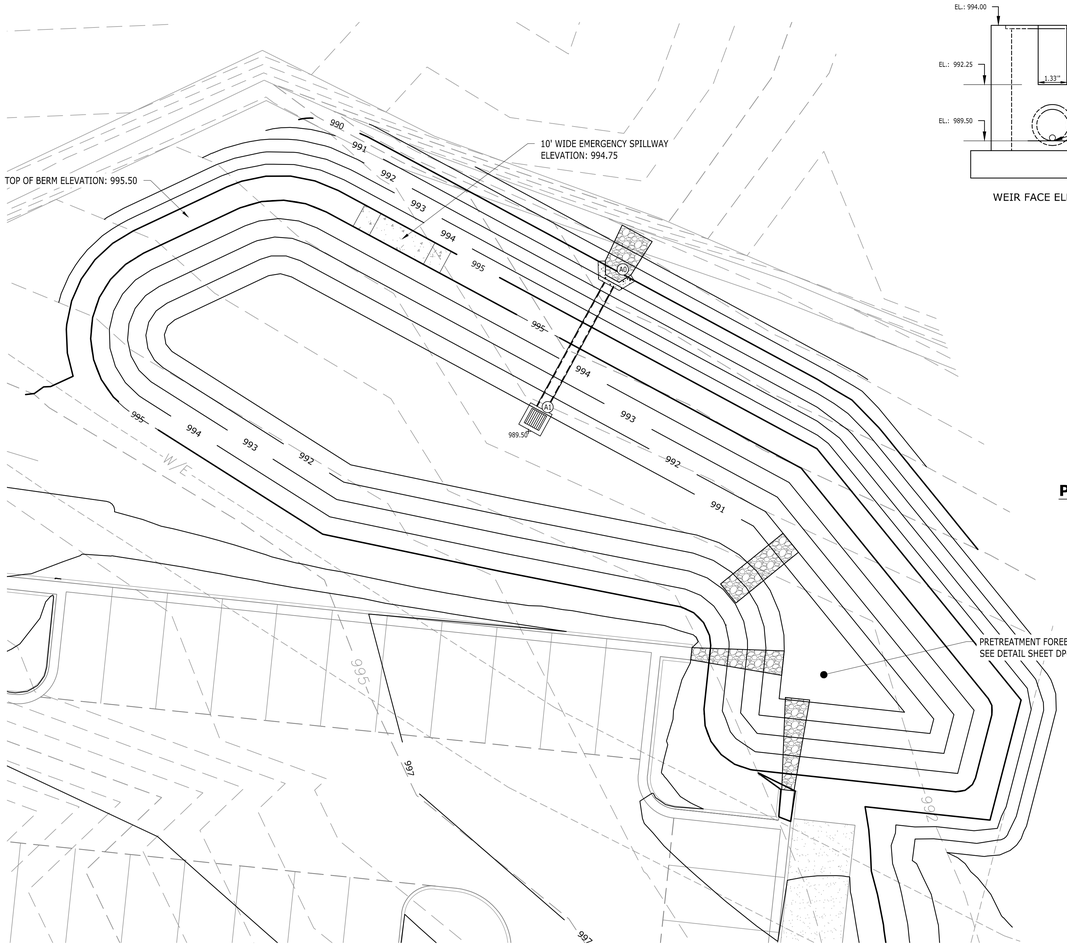
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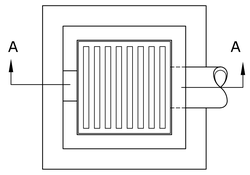
DETAILED GRADING & DRAINAGE PLAN

DP-C6.2

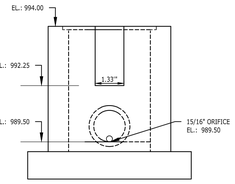
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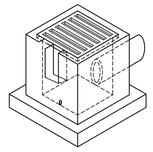
KEYNOTES	
CODE	DESCRIPTION
1	NEENAH No. R-4871 GRATE (27.5" X 27.5"), WITH NEENAH R-4899 ANGLE FRAME, OR APPROVED EQUAL.
2	GROUT INVERT
3	No. 4 BARS 8" APART EACH WAY, TYP
4	OUTLET PIPE



PLAN



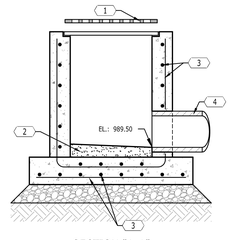
WEIR FACE ELEVATION



ISOMETRIC VIEW

GRADING & DRAINAGE KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
G4	NDS DRAIN INLET	9 / DP-C8.0
G6	DETENTION POND OUTLET STRUCTURE	DP-C6.3
G88	CONCRETE HEADWALL - WINGED	11 / DP-C8.0
G14	CURB CUT	12 / DP-C8.0
G15	CONCRETE FLUME	2 / DP-C8.1

LEGEND	
STORM PIPE & INLET	
SPOT ELEVATION	0.00
PROPOSED CONTOUR ELEV.	90
DRAINAGE STRUCTURE	C1
SILT FENCE	SF
TREE PROTECTION	T.P.
INLET PROTECTION	IN
STRAW BALE FILTER	SB

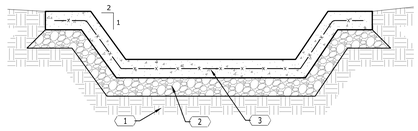


SECTION "A-A"

POND OUTLET STRUCTURE

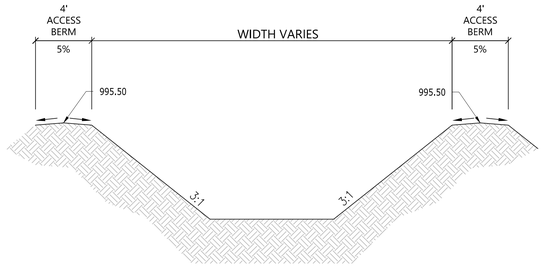
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	COMPACTED FILL BERM
2	4" MINERAL AGGREGATE BASE
3	6'X6' W2.9 X W2.9 W.W.F.



EMERGENCY SPILLWAY

NOT TO SCALE

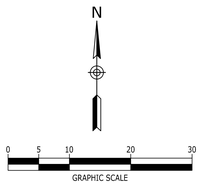


POND 1 CROSS-SECTION

NOT TO SCALE

811

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6900 East Camelback Road
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JACK J. PARKER
NUMBER
PE-2012040852
PROFESSIONAL ENGINEER
07/25/2024

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FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

NO.	DESCRIPTION	DATE

DRAWING TITLE

DETAILED GRADING
& DRAINAGE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER

DP-C6.3

REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/07/24
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REVIEWED:	WB
JOB NUMBER:	6406.24

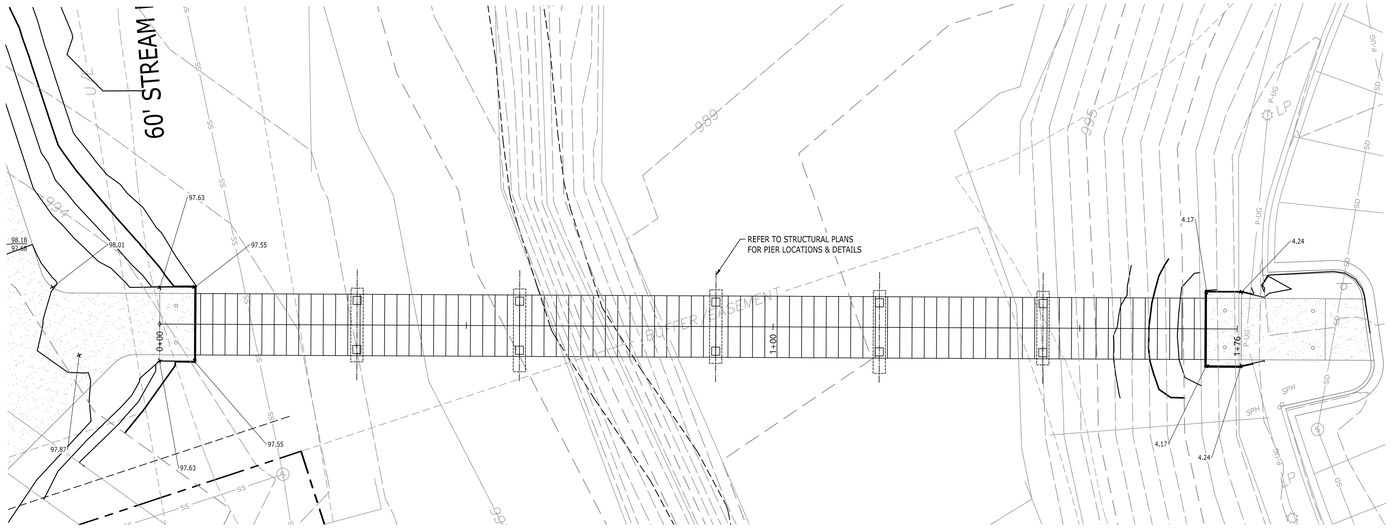
DETAILED GRADING
& DRAINAGE PLAN

DP-C6.3

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_GRA.dwg-DP-C6.3 DETAILED GRADING & DRAINAGE PLAN Jul 26, 2024 wdessard

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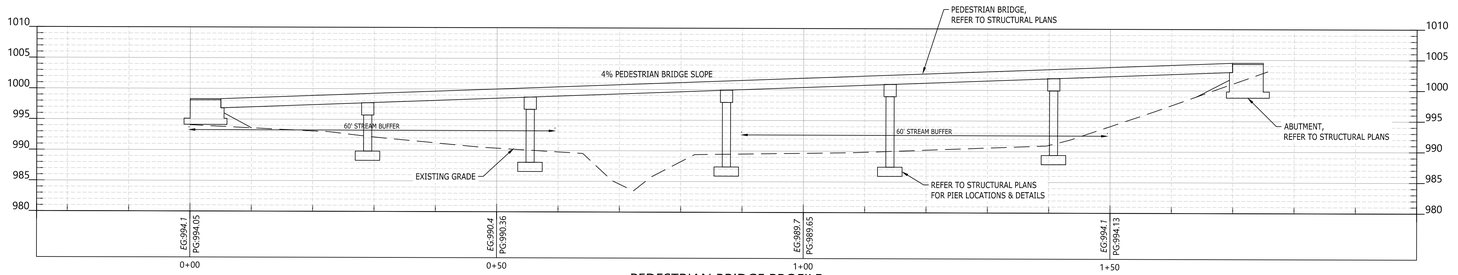


GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION	DET # / SHT #
G4	NDS DRAIN INLET	9 / DP-C8.0
G6	DETENTION POND OUTLET STRUCTURE	DP-C6.3
G8B	CONCRETE HEADWALL - WINGED	11 / DP-C8.0
G14	CURB CUT	12 / DP-C8.0
G15	CONCRETE FLUME	2 / DP-C8.1

LEGEND

STORM PIPE & INLET	
SPOT ELEVATION	0.00
PROPOSED CONTOUR ELEV.	90
DRAINAGE STRUCTURE	C1
SILT FENCE	SF
TREE PROTECTION	T.P.
INLET PROTECTION	IP
STRAW BALE FILTER	SB



PEDESTRIAN BRIDGE PROFILE
SCALE H:1"=20'; V:1"=20'

811
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JACKSON COUNTY

NO.	DATE	DESCRIPTION

DRAWING TITLE
PEDESTRIAN BRIDGE
PLAN & PROFILE

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C6.4

Devenney GROUP
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Consultant:
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STATE OF MISSOURI
JACK J. PARKER
NUMBER
PE-2012040852
PROFESSIONAL ENGINEER
07/25/2024

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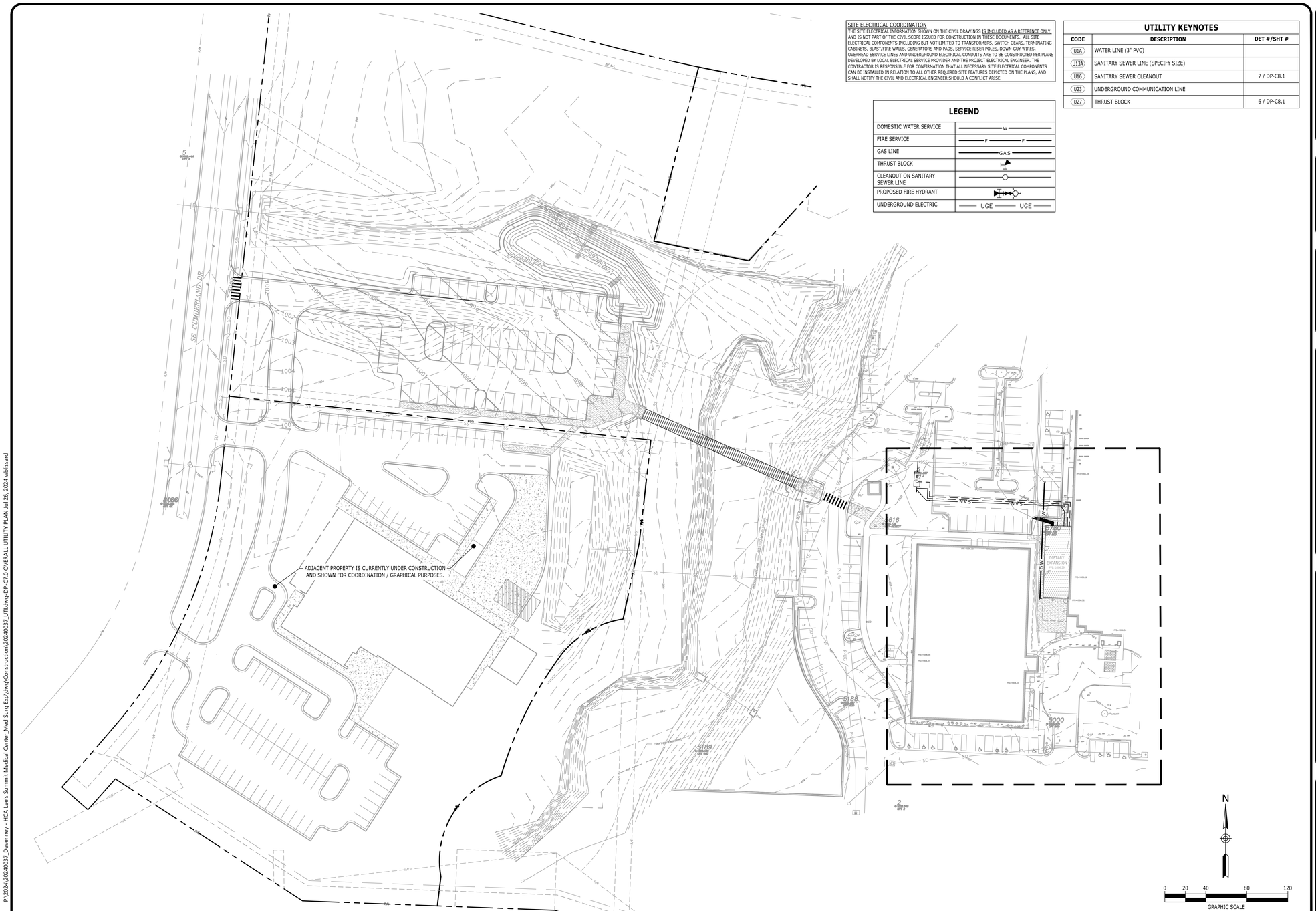
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PEDESTRIAN BRIDGE
PLAN & PROFILE

DP-C6.4

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SITE ELECTRICAL COORDINATION

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LEGEND

DOMESTIC WATER SERVICE	W
FIRE SERVICE	F F
GAS LINE	GAS
THRUST BLOCK	
CLEANOUT ON SANITARY SEWER LINE	
PROPOSED FIRE HYDRANT	
UNDERGROUND ELECTRIC	UGE UGE

UTILITY KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
U1A	WATER LINE (3" PVC)	
U13A	SANITARY SEWER LINE (SPECIFY SIZE)	
U16	SANITARY SEWER CLEANOUT	7 / DP-C8.1
U23	UNDERGROUND COMMUNICATION LINE	
U27	THRUST BLOCK	6 / DP-C8.1

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DRAWING NUMBER
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FACILITY NUMBER:
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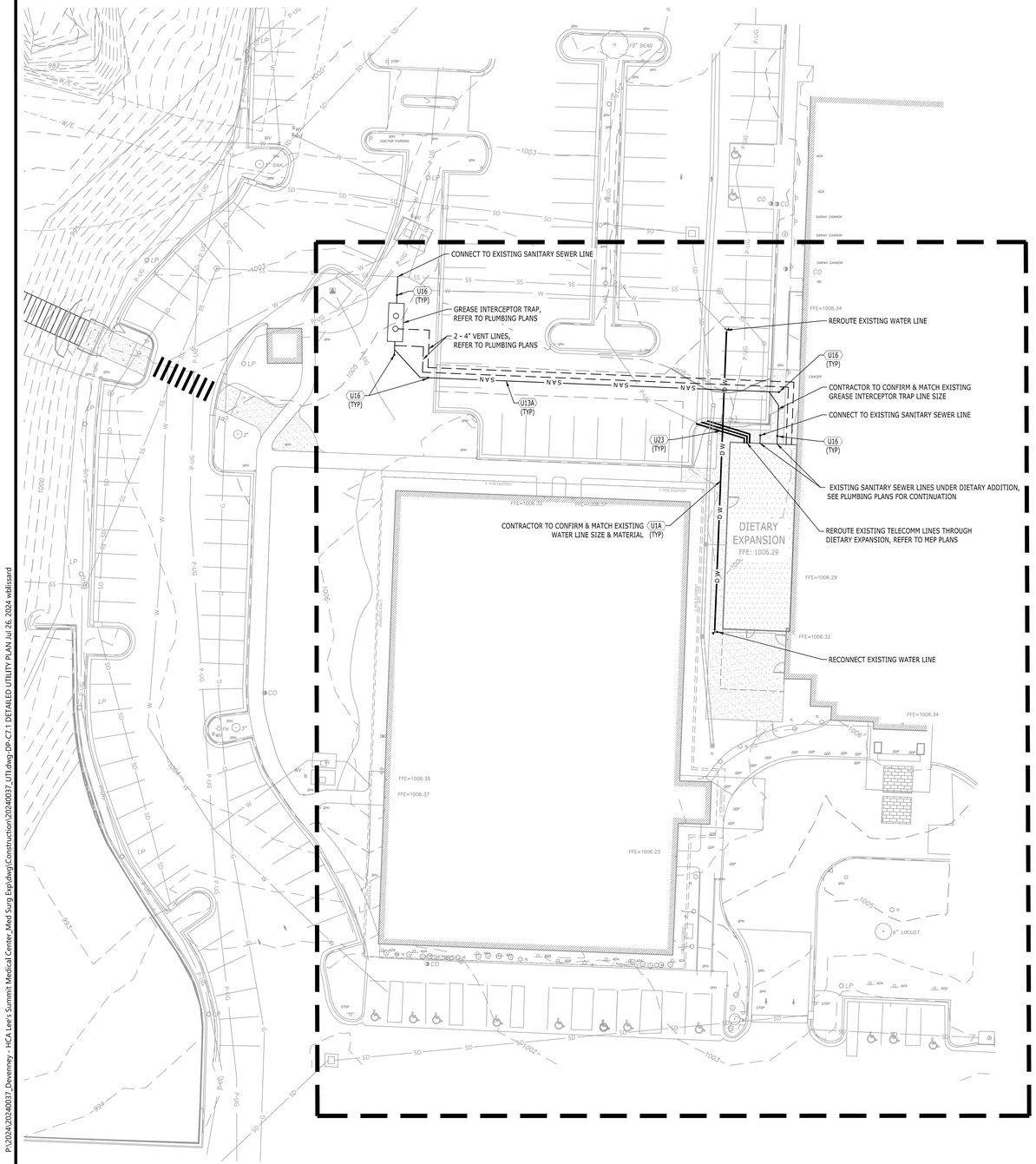
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OVERALL UTILITY PLAN

DP-C7.0

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SITE ELECTRICAL COORDINATION

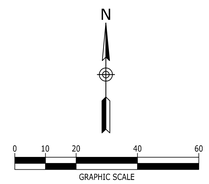
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FIRE SERVICE	F F
GAS LINE	GAS
THRUST BLOCK	
CLEANOUT ON SANITARY SEWER LINE	
PROPOSED FIRE HYDRANT	
UNDERGROUND ELECTRIC	UGE UGE

UTILITY KEYNOTES

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JACKSON COUNTY

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DRAWING NUMBER
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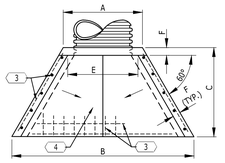
DETAILED UTILITY PLAN

DP-C7.1

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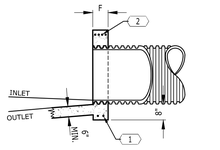
KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE REINFORCEMENT; TWO, NO. 2 BARS
2	CONCRETE REINFORCEMENT; FOUR, NO. 4 BARS
3	CONCRETE REINFORCEMENT; NO. 4 BARS AT 12" O.C. EACH WAY IN FLOOR AND WALLS
4	SLOPE APRON TO DRAIN
	NOTE: CHAMFER ON ALL EXPOSED EDGES 1"



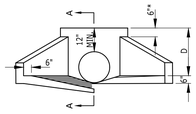
PLAN

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



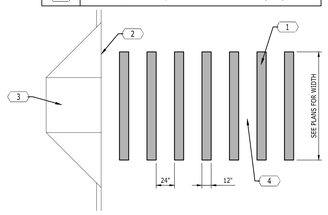
SECTION A-A



ELEVATION

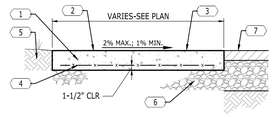
11 WINGED HEADWALL
NOT TO SCALE

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.)



7 PEDESTRIAN CROSSWALK
NOT TO SCALE

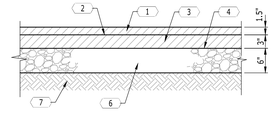
KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE SIDEWALK; 4" THICK; 3500 PSI CONCRETE; CROSS SLOPE 2% MAX., 1% MIN.
2	BROOM FINISH
3	CONTROL JOINTS 5' O.C.; EXPANSION JOINTS 25' O.C. AND WHERE SIDEWALKS ABUT RIGID MATERIALS.
4	CONCRETE REINFORCEMENT; 6"x6"xW2.9xW2.9 W.W.F.; GRADE 60 STEEL
5	TOPSOIL; PLACE WITHIN ½" OF WALKWAY SURFACE
6	4" MINERAL AGGREGATE BASE
7	ASPHALT PAVEMENT (REFER TO DETAIL)



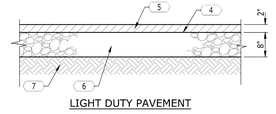
4 CONCRETE SIDEWALK
NOT TO SCALE

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. VERIFY PAVEMENT DEPTHS WITH GEOTECHNICAL REPORT.



HEAVY DUTY PAVEMENT

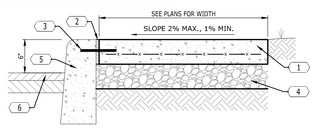


LIGHT DUTY PAVEMENT

1 ASPHALT PAVEMENT
NOT TO SCALE

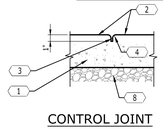
KEYNOTES	
CODE	DESCRIPTION
1	4" CONCRETE WALK REINFORCED WITH 6" x 6" x W2.9 x W2.9 W.W.F. USE 8" CONCRETE THICKNESS WHERE HS-20-4 LOADING IS REQUIRED (SEE PLANS).
2	1/2" EXPANSION JOINT
3	No. 4 DOWELS 12" APART GREASE HALF OF DOWEL.
4	4" MINERAL AGGREGATE. USE 6" AGGREGATE BASE WHERE HS-20-44 LOADING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

NOTES:
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.

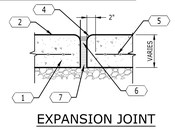


8 SIDEWALK AT POST CURB
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE SIDEWALK
2	BROOM FINISH
3	½" HAND-GROOVED JOINT
4	TOOLED EDGE; ½" RADIUS (TYP.)
5	CONCRETE REINFORCEMENT; 6"x6"xW2.9xW2.9 W.W.F.; GRADE 60 STEEL
6	POLYURETHANE SELANT
7	½" PREMOLDED EXPANSION JOINT MATERIAL
8	MINERAL AGGREGATE BASE (TYP.)



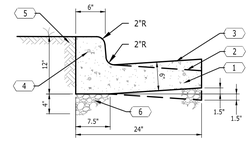
CONTROL JOINT



EXPANSION JOINT

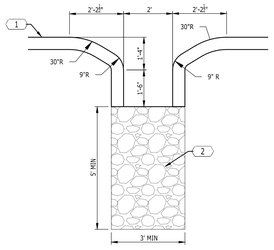
5 SIDEWALK JOINTS
NOT TO SCALE

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



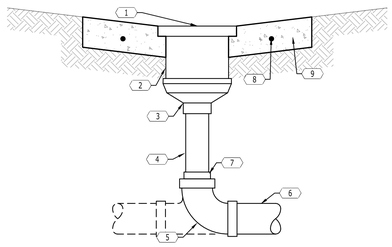
2 CONCRETE CURB AND GUTTER
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	CURB
2	RIP-RAP PAD

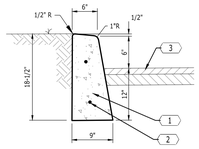


12 DRAINAGE CURB CUT
NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	NDS 1211 GRATE
2	NDS 1216 RISER BOX
3	NDS 1230 HUB ADAPTOR
4	6" PVC, LENGTH AS REQ'D
5	8" PVC ELL OR TEE
6	8" PVC STORM PIPE
7	8" X 6" PVC REDUCER. MAY BE OMITTED IF REDUCING TEE IS USED.
8	No. 4 BAR, CONT.
9	4" THICK CONCRETE COLLAR



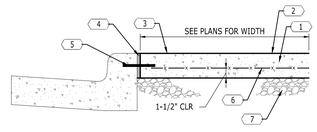
9 12" NDS DRAIN INLET
NOT TO SCALE



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

6 CONCRETE POST CURB
NOT TO SCALE

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 ABT RIGID MATERIALS
4	½" 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)



3 CONCRETE SIDEWALK AT CURB AND GUTTER
NOT TO SCALE

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_DET.dwg-DP-C8.0 SITE DETAILS Jul 26, 2024 wallissard

Devenney GROUP

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

STATE OF MISSOURI
JACK J. PARKER
NUMBER PE-2012040852
PROFESSIONAL ENGINEER
07/25/2024

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FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO 64063
JACKSON COUNTY

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

NO.	DESCRIPTION	DATE

DRAWING TITLE
SITE DETAILS

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C8.0

DATE:	2024/07/24
SCALE:	
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

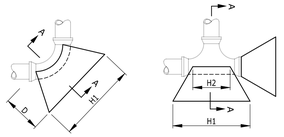
SITE DETAILS

DP-C8.0

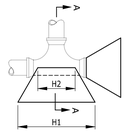
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NOTE:

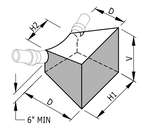
DIMENSIONS ARE BASED ON A SOIL BEARING CAPACITY OF 1000 PSF AND WATER PRESSURE OF 150 PSI (100 PSI + 50% FOR WATER HAMMER).



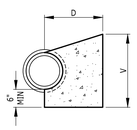
BENDS



TEES AND PLUGS



BENDS (ISOMETRIC)



SECTION "A-A"

PIPE SIZE	90° BEND			
	H1	H2	D	V
4"	24"	12"	12"	24"
6"	36"	16"	18"	30"
8"	48"	18"	18"	36"

PIPE SIZE	45° BEND			
	H1	H2	D	V
4"	24"	8"	12"	12"
6"	30"	10"	18"	20"
8"	36"	11"	18"	30"

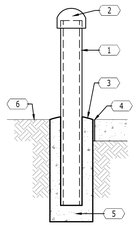
PIPE SIZE	22 1/2° BEND			
	H1	H2	D	V
4"	12"	8"	12"	12"
6"	18"	10"	18"	18"
8"	27"	11"	18"	20"

PIPE SIZE	11 1/4° BEND			
	H1	H2	D	V
4"	12"	8"	12"	12"
6"	16"	10"	18"	12"
8"	18"	11"	18"	16"

PIPE SIZE	TEES AND PLUGS			
	H1	H2	D	V
4"	24"	12"	12"	16"
6"	30"	16"	18"	24"
8"	40"	18"	18"	30"

6 THRUST BLOCKING

NOT TO SCALE

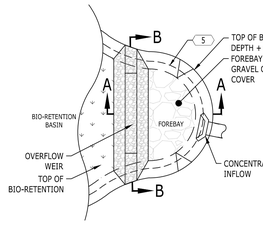


KEYNOTES	
CODE	DESCRIPTION
2	PREFABRICATED CAP
1	6'-0 X 6'-8" STEEL PIPE BOLLARD FILLED WITH CONCRETE. PRIME WITH SUITABLE PRIMER AND PAINT IN A COLOR TO BE SELECTED BY THE ARCHITECT.
3	1" CROWN
4	1/2" EXPANSION JOINT MATERIAL, AASHTO M-33, WHERE PLACED IN A RIGID PAVEMENT AREA.
5	3500 PSI CONCRETE
6	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.

4 STEEL BOLLARD WITH CAP

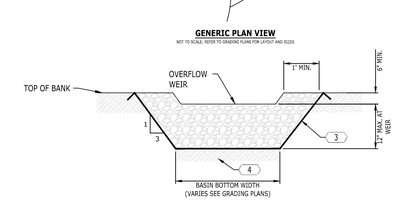
NOT TO SCALE



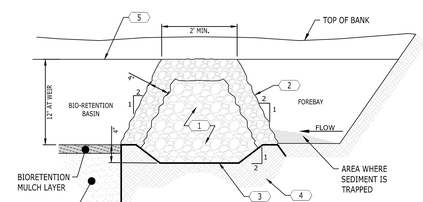
GENERIC PLAN VIEW

NOT TO SCALE. REFER TO GRADING PLANS FOR LAYOUT AND SIZES

KEYNOTES	
CODE	DESCRIPTION
1	2-4" #2 STONE (HAND PLACED)
2	1-3" RIVER ROCK OR APPROVED EQUAL (HAND PLACED)
3	INSTALL GEOTEXTILE FABRIC (GEOTEX 351 OR EQUAL) BENEATH FILTER BERM
4	SUBGRADE
5	ALLOWABLE PONDING DEPTH



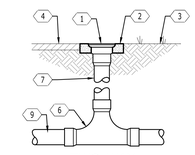
SECTION B-B VIEW



SECTION A-A VIEW

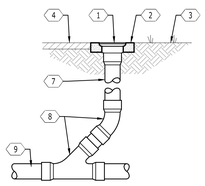
1 STONE FILTER BERM

NO SCALE

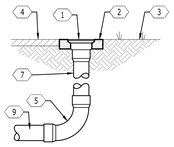


TWO-WAY

KEYNOTES	
CODE	DESCRIPTION
1	CLEANOUT WITH COVER; BRONZE OR PVC CLEANOUT WITH RECESSED CAP IN LAWN AREAS. CAST IRON CLEANOUT WITH RECESSED CAP IN PAVEMENT AREAS. BRONZE CAP TO BE USED IN SIDEWALKS.
2	18"x18"x4" CONCRETE COLLAR
3	FINISHED GRADE
4	ASPHALT
5	LONG SWEEP 1/4 BEND. INSTALL REDUCER WHERE REQUIRED.
6	SANITARY TEE
7	EXTENSION SAME SIZE AS SEWER, TO 6" MAX. DIAMETER
8	COMBINATION WYE AND 1/8 BEND. USE REDUCING TYPE WHERE REQUIRED.
9	SEE PLANS FOR SEWER MATERIAL AND SIZE.



ONE-WAY



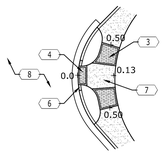
END-OF-LINE

7 CLEANOUTS

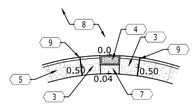
NOT TO SCALE

5 RESERVED

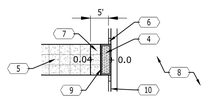
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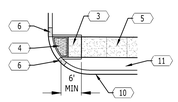
ACCESSIBLE CURB RAMP "A"



ACCESSIBLE CURB RAMP "B"

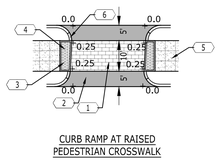


ACCESSIBLE CURB RAMP "C"



ACCESSIBLE CURB RAMP "D"

KEYNOTES	
CODE	DESCRIPTION
1	RAISED PEDESTRIAN CROSSWALK; REFER TO DETAIL
2	CONCRETE PAVEMENT
3	RAMP; 1:12 MAX. LONGITUDINAL SLOPE (TYP.); PROVIDE TACTILE WARNING SURFACE WHERE SPECIFIED
4	TACTILE WARNING; MIN. 2' STRIP WHERE ABUTS A PUBLIC STREET OR AS SPECIFIED; REFER TO DETAIL
5	CONCRETE WALK; CROWN WALK WITH MAX. 2% CROSS SLOPE TO THE EDGES (TYP.); 5% MAX LONGITUDINAL SLOPE
6	TRANSITION CURB TO FLUSH CONDITION OVER 2' (TYP.)
7	LANDING AREA; MAX. 2% CROSS SLOPE IN ANY DIRECTION
8	PAVEMENT
9	EXPANSION JOINT
10	FACE OF CURB
11	GRASS STRIP
	NOTE: GRADE DIFFERENCES SHOWN ARE CONCEPTUAL; REFER TO GRADING PLAN FOR ACTUAL ELEVATIONS

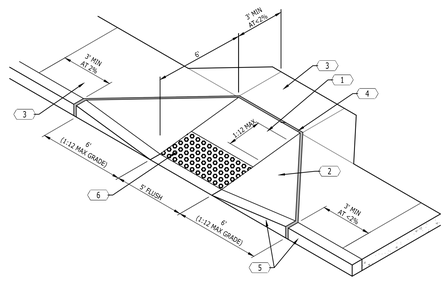


CURB RAMP AT RAISED PEDESTRIAN CROSSWALK

3 ACCESSIBLE CURB RAMPS

NOT TO SCALE

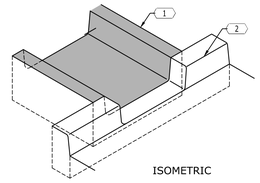
KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE RAMP; 4" THICK, 3500 PSI CONCRETE; CONCRETE REINFORCED WITH 6'x6'xW2.9xW2.9 W.W.F.; BEDDING SIMILAR TO ADJACENT SIDEWALK
2	FLARED SIDES; PROVIDE A SMOOTH TRANSITION FROM FLUSH CONDITION TO ADJACENT CURB AND SIDEWALK ELEVATIONS
3	LANDING; MINIMUM 3' FLAT (2% MAX. SLOPE); PROVIDED EACH SIDE OF RAMP
4	¾" EXPANSION JOINT (TYP.)
5	CONCRETE CURB; TRANSITION FROM FLUSH CONDITION TO CURB HEIGHT; PAINT YELLOW; (TYP. EACH SIDE OF RAMP)
6	TACTILE WARNING; PROVIDE WHERE ABUTTING A PUBLIC STREET



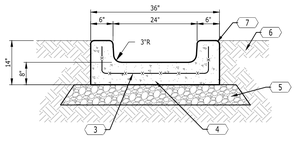
ACCESSIBLE RAMP - FLARED

NOT TO SCALE

KEYNOTES	
COD E	DESCRIPTION
1	FLUME
2	CURB
3	6"X6" W2.9 X W2.9 W.W.F.
4	3500 PSI CONCRETE
5	4" MINERAL AGGREGATE BASE
6	BACKFILL
7	3/4" RADIUS, TYP



ISOMETRIC



SECTION

2 CONCRETE FLUME

NOT TO SCALE

8 RESERVED

NOT TO SCALE

Devenney GROUP

Devenney Group Ltd., Architects

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STATE OF MISSOURI
JACK J. PARKER
NUMBER
PE-2012040852
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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

NO.	DESCRIPTION	DATE

DRAWING TITLE
SITE DETAILS

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-C8.1

DATE:	2024/07/24
SCALE:	
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

FINAL DEVELOPMENT PLAN
HCA LEE'S SUMMIT MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO 64063
JACKSON COUNTY

LEE'S SUMMIT MEDICAL CENTER
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816-282-5000

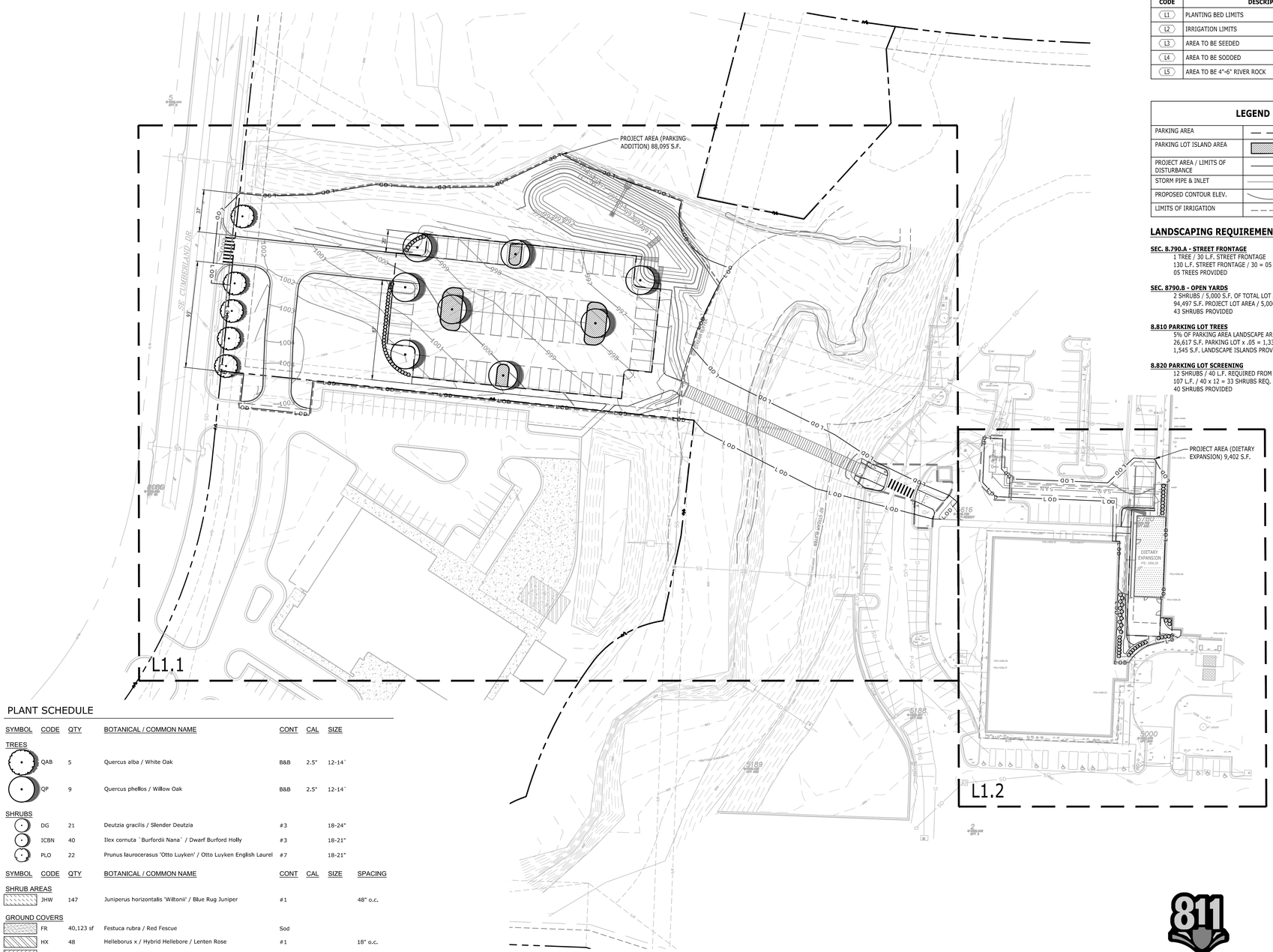
Catalyst DESIGN GROUP
1524 WILLIAMS DRIVE, SUITE 201, MURFREESBORO, TN 37129
(615) 622-7200 | WWW.CATALYST-DG.COM

SITE DETAILS

DP-C8.1

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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

PARKING AREA	
PARKING LOT ISLAND AREA	
PROJECT AREA / LIMITS OF DISTURBANCE	LOD
STORM PIPE & INLET	
PROPOSED CONTOUR ELEV.	90
LIMITS OF IRRIGATION	

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. 8790.B - OPEN YARDS
2 SHRUBS / 5,000 S.F. OF TOTAL LOT AREA
94,497 S.F. PROJECT LOT AREA / 5,000 x 2 = 39 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						
	QAB	5	Quercus alba / White Oak	B&B	2.5"	12-14`
	QP	9	Quercus phellos / Willow Oak	B&B	2.5"	12-14`
SHRUBS						
	DG	21	Deutzia gracilis / Slender Deutzia	#3		18-24"
	ICBN	40	Ilex cornuta `Burfordii Nana` / Dwarf Burford Holly	#3		18-21"
	PLO	22	Prunus laurocerasus 'Otto Luyken' / Otto Luyken English Laurel	#7		18-21"

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPACING
SHRUB AREAS							
	JHW	147	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper	#1			48" o.c.
GROUND COVERS							
	FR	40,123 sf	Festuca rubra / Red Fescue	Sod			
	HX	48	Helleborus x / Hybrid Hellebore / Lenten Rose	#1			18" o.c.
	VMB	127	Vinca minor 'Bowles' / Bowles Periwinkle	#1			18" o.c.

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Devenney GROUP

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STATE OF MISSOURI
WILLIAM BLISSARD
2007013273
LANDSCAPE ARCHITECT
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MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

NO.	DESCRIPTION	DATE

DRAWING TITLE
OVERALL LANDSCAPE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
DP-L1.0

REVISIONS

REV #	DESCRIPTION	DATE

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JOB NUMBER:	6406.24

OVERALL LANDSCAPE PLAN

DP-L1.0

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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

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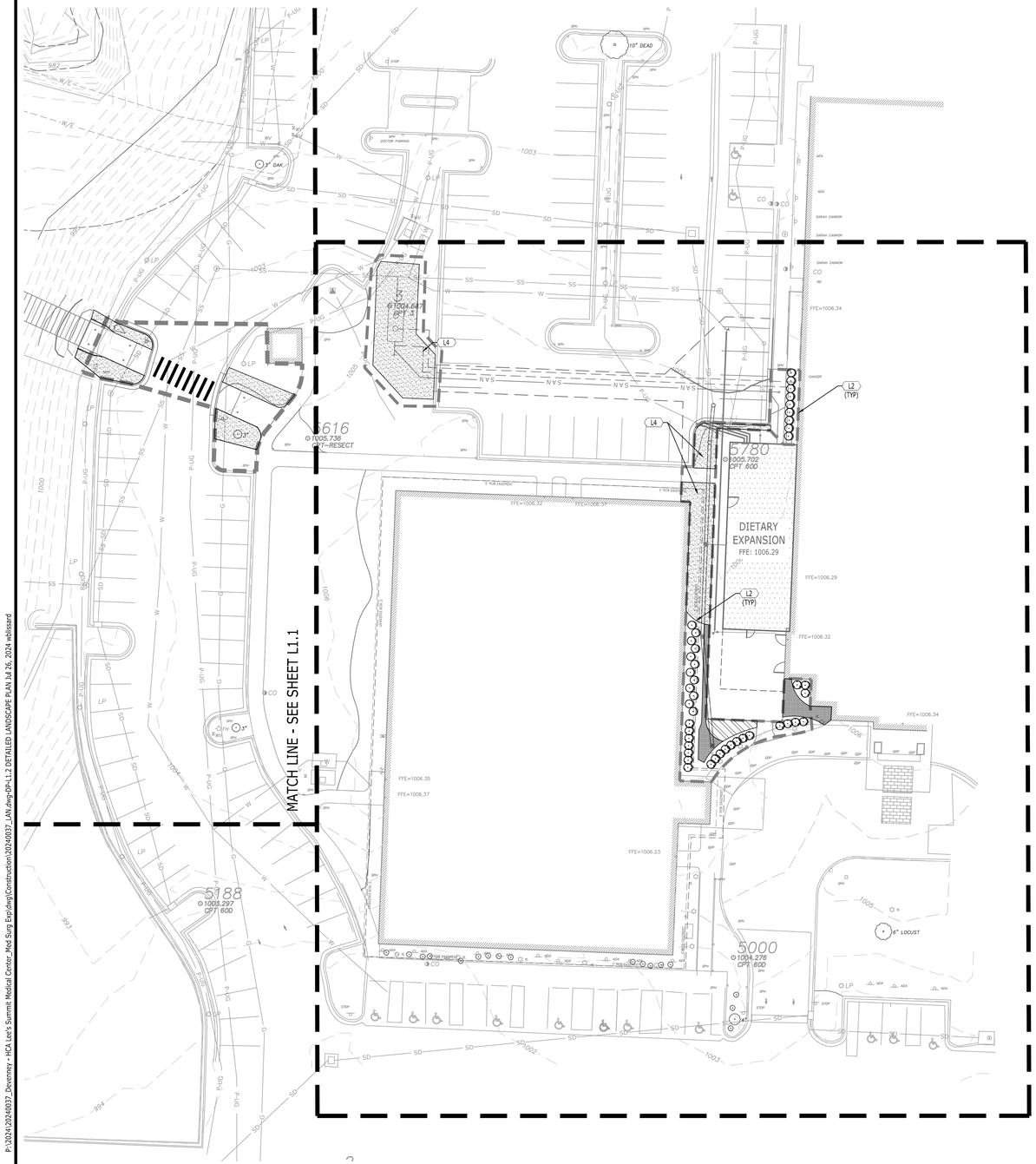
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PLANTING NOTES

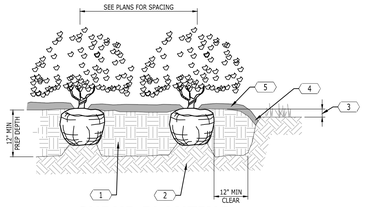
1. BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY LOVELACE & ASSOCIATES, LLC DATED 05/01/2024. CATALYST DESIGN GROUP AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
2. 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.
3. 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.
4. 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.
5. ALL PLANTING BEDS TO RECEIVE "CHANCELLOR" HARDWOOD MULCH. MULCH TO BE INSTALLED TO 3" DEPTH UNLESS OTHERWISE INDICATED ON THE PLANTING DETAILS.
6. NEW TREE PLANTINGS TO BE STAKED PER PLANTING DETAILS
7. DIMENSIONS LISTED FOR HEIGHTS, SPREAD AND TRUNK SPECIFICATIONS ON THE PLANT MATERIAL SCHEDULE ARE GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT.
8. PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IMMEDIATELY PRIOR TO PLACEMENT OF MULCH FOR WEED CONTROL.
9. ALL DISTURBED AREAS OF THE SITE ARE TO BE SEEDED AND/OR SODDED IN ACCORDANCE WITH THE SPECIFICATIONS.
10. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OVERNIGHT.
11. 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.
12. ALL PLANT MATERIALS TO BE NURSERY GROWN AND TO COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK FOR SIZE AND QUALITY.
13. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL OR ANY DEFECTIVE WORKMANSHIP.
14. 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 UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
15. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY PERCENT (50%) OF THIS YEARS VERTICAL GROWTH (TOP CANDLE).
16. 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.
17. 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.
18. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR OTHER SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PAN, STEAM OF 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.
19. NO MATERIAL SHALL BE PLANTED BEFORE FINISH GRADING HAS BEEN COMPLETED.
20. 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.
21. 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.
22. PLANTS IDENTIFIED IN ALTERNATE AREAS ARE TO BE BID SEPARATELY.
23. 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.
24. 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

1. 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.
2. CONTRACTOR TO CONFIRM ADEQUATE PRESSURE EXISTS TO OPERATE SYSTEM PRIOR TO INSTALLATION.
3. IRRIGATION SPRINKLER HEADS SHALL BE MANUFACTURED BY EITHER TORO OR RAINBIRD. IRRIGATION CONTROLLER SHALL BE TORO VISION II MODEL OR APPROVED EQUAL.
4. MAIN LINE TO BE CLASS 200 PVC PIPE. LATERAL LINES TO BE CLASS 150 PVC.
5. IRRIGATION SYSTEM TO BE OPERATIONAL BEFORE PLANTING MATERIALS MAY BE INSTALLED IN PLANTING BEDS.
6. INSTALL SPRINKLER HEADS ACCORDING TO MANUFACTURERS SPECIFICATIONS. FLUSH ALL LINES BEFORE INSTALLING NOZZLES.
7. WIRE CONNECTIONS TO BE MADE BY USING RAINBIRD MODEL ST-103/PT-ST SNAP-TITE CONNECTIONS.
8. LEAVE 18 INCHES OF ADDITIONAL WIRE AT EACH VALVE LOCATION. ROLL WIRE INTO COIL AT EACH LOCATION.
9. ALL VALVES SHALL BE LOCATED IN AMATEX 10 INCH CIRCULAR VALVE BOXES WITH COVER, OR EQUAL.
10. IRRIGATION CONTRACTOR TO COORDINATE PLACEMENT OF REQUIRED SLEEVES WITH GENERAL CONTRACTOR PRIOR TO PAVING AND CONCRETE INSTALLATION BEING COMPLETED.

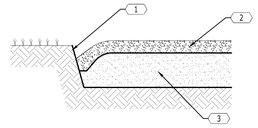
KEYNOTES	
CODE	DESCRIPTION
1	PLANTING MIX AS SPECIFIED
2	UNDISTURBED SUBGRADE. PROVIDE SUBGRADE PEDESTAL FOR EACH SHRUB INSTALLED, TO AVOID SETTLEMENT.
3	TOP OF ROOT BALL TO BE 1"-2" HIGHER THAN THE ADJACENT GRADE
4	"V" TRENCH AROUND PLANTING BED
5	3" HARDWOOD MULCH LAYER. CLEAR MULCH FROM WOODY SHRUB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

NOTES
1. TAMP PLANTING MIX AS PIT IS FILLED AROUND EACH PLANT BALL.
2. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER PLANTING.
3. SCARIFY THE ROOT BALL IF ROOT-BOUND IN ITS CONTAINER.
4. 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.
5. DO NOT PRUNE BEFORE ACCEPTANCE.
6. REMOVE BURLAP FROM TOP THIRD OF ROOT BALL OR CAREFULLY REMOVE THE PLASTIC CONTAINER, IF ONE IS USED.
7. BACKFILL WITH SOIL MIXTURE AS FOLLOWS: 1 PART COMPOSTED GARDEN SOIL; 1 PART SAND AND 2 PARTS NATIVE TOPSOIL.



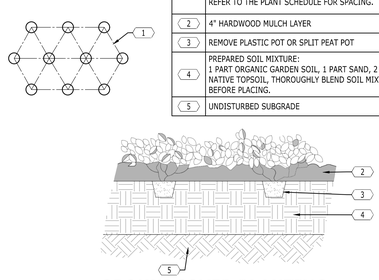
3 **SHRUB PLANTING**
NOT TO SCALE

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



1 **SPADED BED EDGE**
NOT TO SCALE

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



4 **GROUNDCOVER PLANTING**
NOT TO SCALE

5

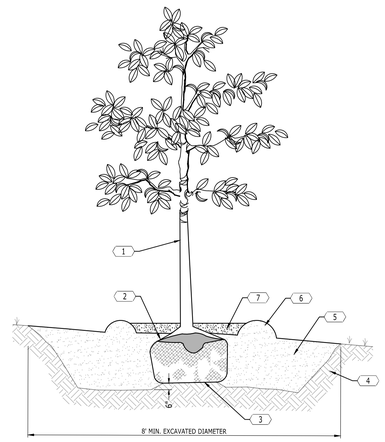
KEYNOTES	
CODE	DESCRIPTION
1	CLEAR TRUNK TO HEIGHT SPECIFIED
2	FOLD DOWN OR CUT AND REMOVE THE TOP THIRD OF THE BURLAP. REMOVE NON-BIODEGRADABLE WRAP COMPLETELY. REMOVE WIRE BASKET.
3	PLACE ROOT BALL ON UNDISTURBED SOIL
4	UNDISTURBED SUBGRADE
5	BACKFILL EXCAVATION WITH TOP 8" REMOVED DURING PIT EXCAVATION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

NOTES:
1. SCARIFY THE EDGES OF THE EXCAVATED PIT AND TAKE ALL NECESSARY MEASURES TO ASSURE ADEQUATE DRAINAGE.

2. 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.

3. 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.

4. IT IS THE OWNER'S RESPONSIBILITY TO COORDINATE AND SCHEDULE TREE MAINTENANCE.



2 **CANOPY TREE PLANTING**
NOT TO SCALE

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2007013273
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LANDSCAPE DETAILS

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816-282-5000

NO.	DESCRIPTION	DATE

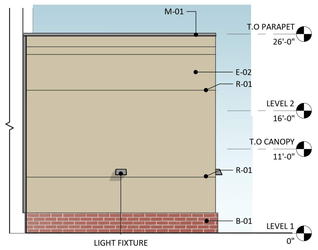
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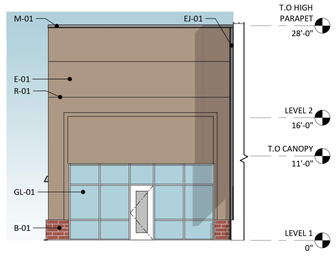
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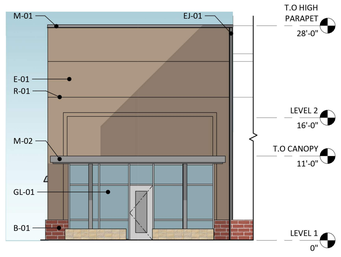
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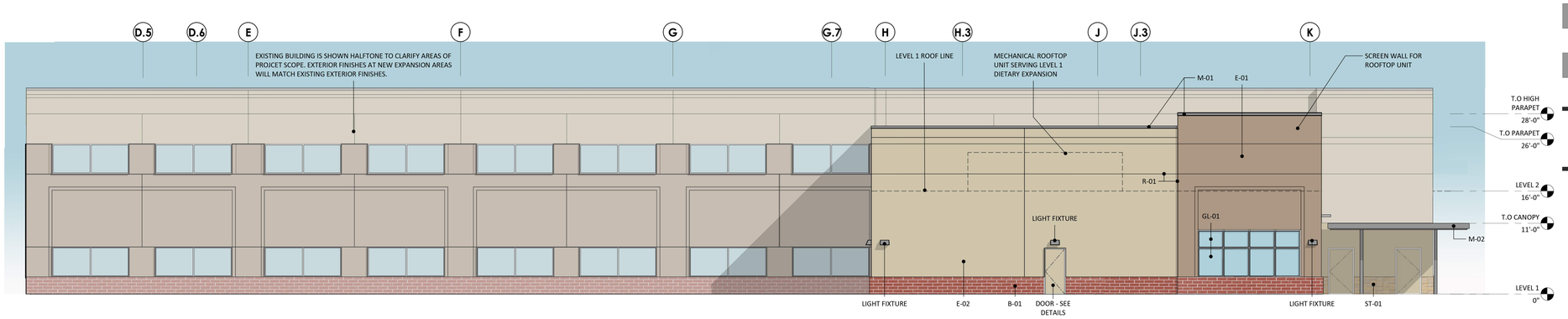
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1/8" = 1'-0"



2 SOUTH ELEVATION- LEVEL 1 - DIETARY.
1/8" = 1'-0"



3 SOUTH ELEVATION- LEVEL 1 - DIETARY CANOPY.
1/8" = 1'-0"



4 WEST ELEVATION - LEVEL 1 - DIETARY.
1/8" = 1'-0"



6 DIETARY EXPANSION - WEST VIEW



5 OUTDOOR DINING VIEW

MATERIAL LEGEND

GL-01
PRODUCT: VISION INSULATED GLAZING UNIT
MFR: TBD
FINISH: MATCH EXISTING

GL-02
PRODUCT: SPANDREL INSULATED GLAZING UNIT
MFR: TBD
FINISH: MATCH EXISTING

E-01
PRODUCT: EXTERIOR INSULATION FINISH SYSTEM COLOR 1
MFR: TBD
FINISH: MATCH EXISTING

E-02
PRODUCT: EXTERIOR INSULATION FINISH SYSTEM COLOR 2
MFR: TBD
FINISH: MATCH EXISTING

B-01
PRODUCT: THIN BRICK VENEER
MFR: TBD
FINISH: MATCH EXISTING

ST-01
PRODUCT: STONE VENEER
MFR: TBD
FINISH: MATCH EXISTING

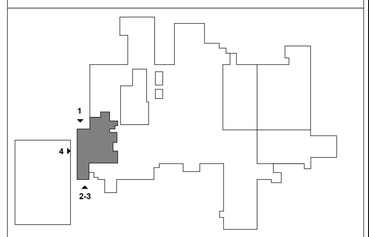
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M-02
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MFR: TBD
FINISH: MATCH EXISTING

B-01
PRODUCT: EIFS REVEAL
MFR: TBD
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EJ-01
PRODUCT: EXPANSION JOINT
MFR: TBD
FINISH: MATCH EXISTING

KEYPLAN



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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

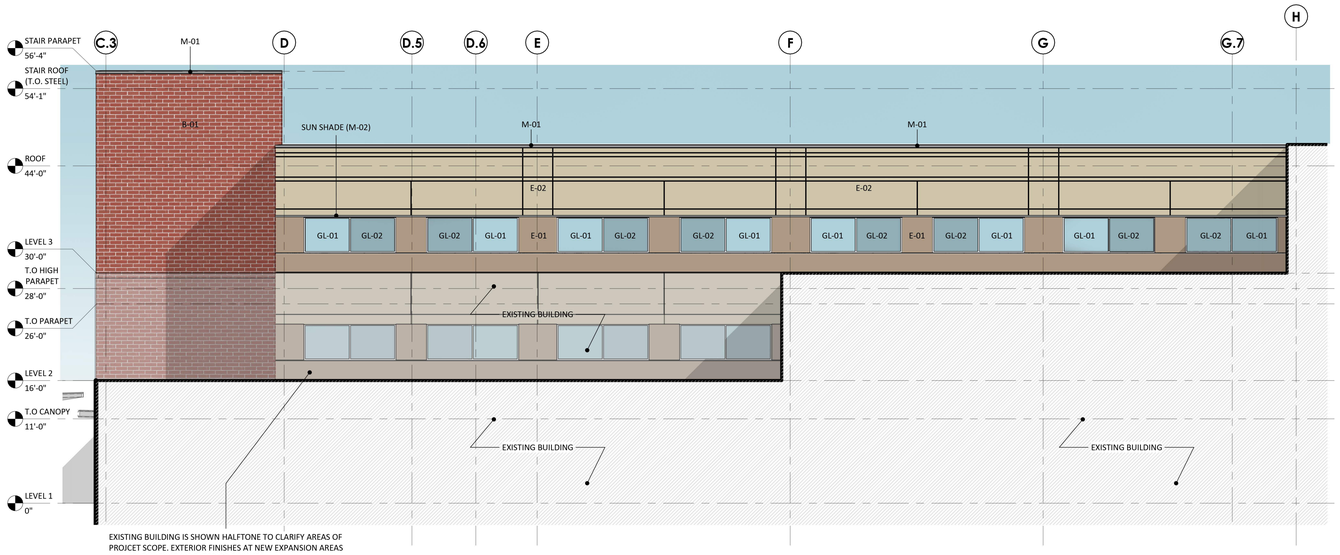
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REVIEWED:	
JOB NUMBER:	6406.24

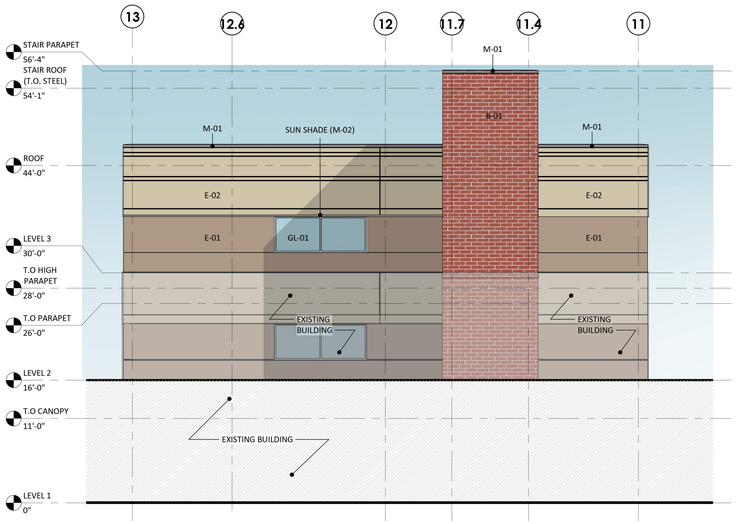
EXTERIOR BUILDING ELEVATIONS

AE201

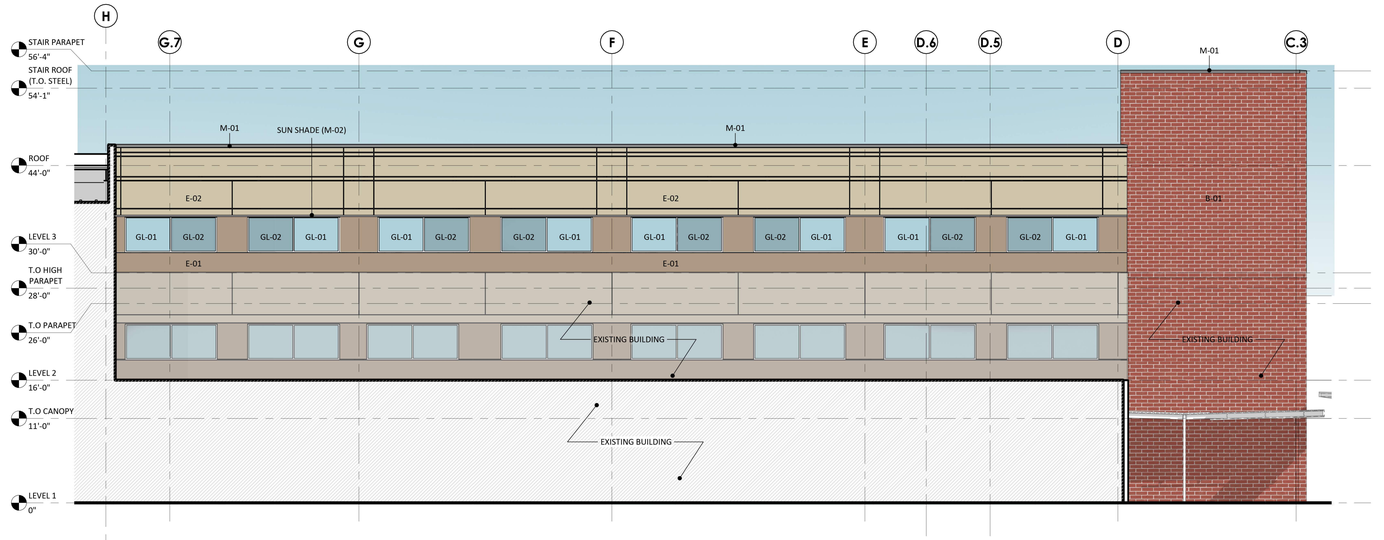
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1 WEST ELEVATION - MED SURG (16-BED UNIT)
1/8" = 1'-0"



2 NORTH ELEVATION - MED SURG (16-BED UNIT)
1/8" = 1'-0"



3 EAST ELEVATION - MED SURG (16-BED UNIT)
1/8" = 1'-0"

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MFR: TBD
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ST-01
PRODUCT: STONE VENEER
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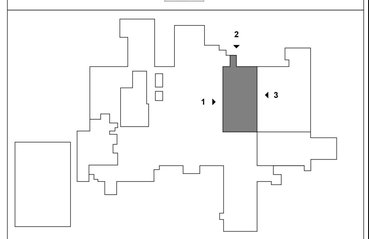
M-01
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MFR: TBD
FINISH: MATCH EXISTING

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EJ-01
PRODUCT: EXPANSION JOINT
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KEYPLAN



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FACILITY NUMBER:
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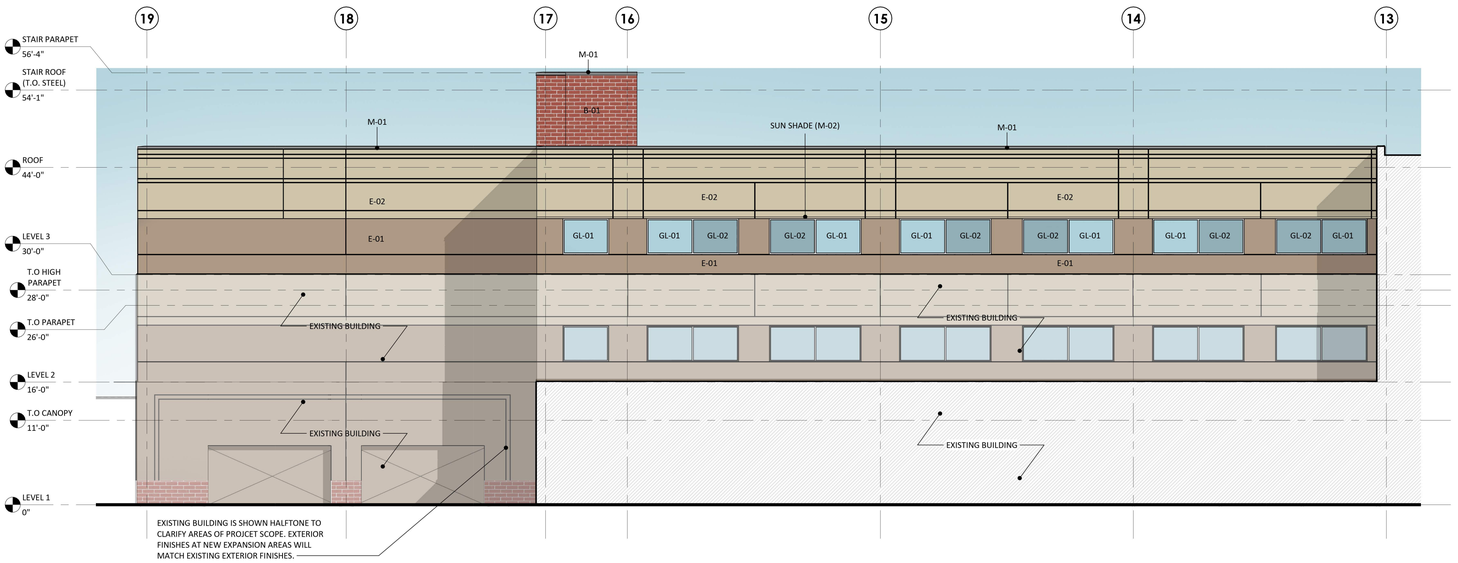
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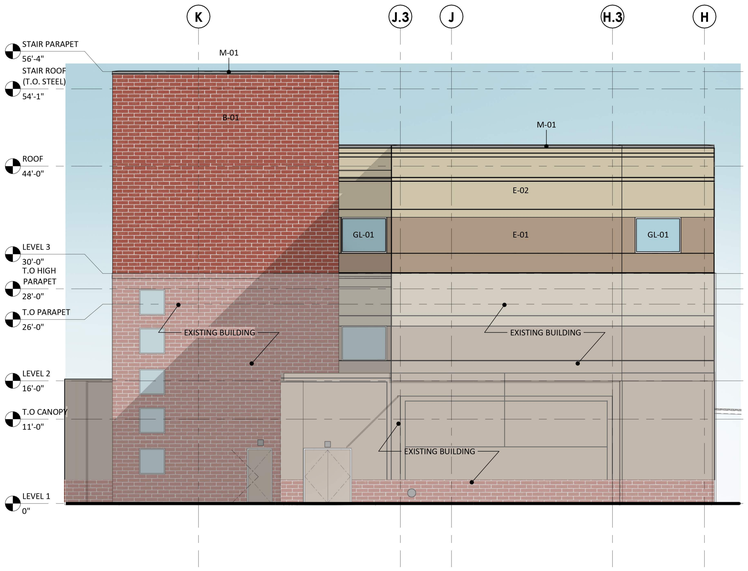
EXTERIOR BUILDING ELEVATIONS

AE202

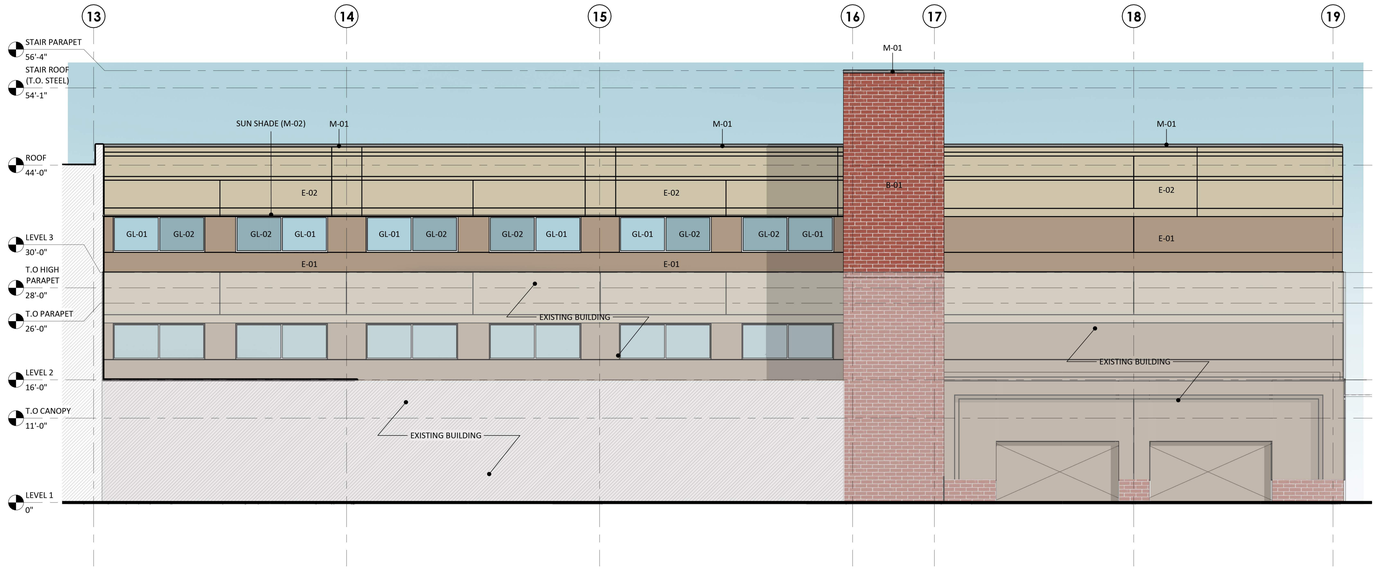
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1 NORTH ELEVATION - MED SURG (12-BED UNIT)
1/8" = 1'-0"



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



3 SOUTH ELEVATION - MED SURG (12-BED UNIT)
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MFR: TBD
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ST-01
PRODUCT: STONE VENEER
MFR: TBD
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MFR: TBD
FINISH: MATCH EXISTING

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PRODUCT: METAL CANOPY
MFR: TBD
FINISH: MATCH EXISTING

R-01
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MFR: TBD
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EJ-01
PRODUCT: EXPANSION JOINT
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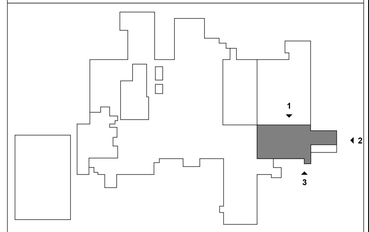
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MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

KEYPLAN



DATE:	07/24/2024
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REVIEWED:	
JOB NUMBER:	6406.24

EXTERIOR BUILDING ELEVATIONS

AE203

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A. SUPPLEMENTAL GENERAL CONDITIONS

1. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE AN ELECTRICAL INSTALLATION THAT IS COMPLETE WITH ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLE INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICE NECESSARY SO AS TO PROVIDE A COMPLETE, FUNCTIONING ELECTRICAL SYSTEM IN SAFE WORKING ORDER.
2. SYMBOLS FOR VARIOUS ELEMENTS AND SYSTEMS ARE SHOWN ON THE DRAWINGS. SHOULD THERE BE ANY DOUBT REGARDING THE MEANING OR INTENT OF THE SYMBOLS USED, AN INTERPRETATION SHALL BE OBTAINED FROM THE ARCHITECT IN WRITING. THE DECISION OF THE ARCHITECT SHALL BE FINAL.
3. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO EXAMINE THE CONTRACT DOCUMENTS CAREFULLY BEFORE SUBMITTING THEIR BID, WITH PARTICULAR ATTENTION TO ERRORS, OMISSIONS, CONFLICTS WITH PROVISIONS OF LAWS AND CODES HAVING JURISDICTION; CONFLICTS BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS, AND AMBIGUOUS DEFINITION OF THE EXTENT OF COVERAGE BETWEEN CONTRACTS. ANY SUCH DISCREPANCY SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT FOR CORRECTION, SHOULD ANY OF THESE ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES EXIST, THE CONTRACTOR SHALL HAVE THEM EXPLAINED AND ADJUSTED IN WRITING BEFORE SIGNING THE CONTRACT OR PROCEEDING WITH THE WORK; OTHERWISE, THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, SUPPLY THE PROPER MATERIALS AND LABOR TO MAKE GOOD ANY DAMAGE OR DEFECTS IN THEIR WORK OR THE RESULTS OBTAINED THEREFROM, CAUSED BY SUCH DISCREPANCY.
4. WHEREVER CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, THE BETTER QUALITY, OR LARGER SIZE SHALL PREVAIL UNLESS THE ARCHITECT INFORMS THE CONTRACTOR OTHERWISE IN WRITING.
5. THE SCALE OF EACH DRAWING IS RELATIVELY ACCURATE; ANY DIMENSIONS SHOWN ARE APPROXIMATE TO CENTERLINE FROM ASSUMED BUILDING PERIMETER. THE CONTRACTOR SHALL OBTAIN THE NECESSARY DIMENSIONS FOR ANY EXACT TAKEOFFS FROM THE ARCHITECT. NO ADDITIONAL COST TO THE OWNER WILL BE CONSIDERED FOR FAILURE TO OBTAIN EXACT DIMENSIONS WHERE NOT CLEAR OR IN ERROR ON THE DRAWINGS. ANY DEVICE OR FIXTURE ROUGHED IN IMPROPERLY AND NOT POSITIONED ON IMPLIED CENTER-LINES OR AS REQUIRED BY GOOD PRACTICE MUST BE REPOSITIONED AT NO COST TO THE OWNER.
6. THE CONTRACTOR IS RESPONSIBLE FOR FILING AND PAYING ALL FEES AND OBTAINING NECESSARY PERMITS AND CERTIFICATES OF INSPECTION. THE CONTRACTOR SHALL DELIVER ALL CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER INCLUDING COPIES WITH MAINTENANCE MANUALS.
7. ONLY EXPERIENCED CRAFTSMEN KNOWLEDGEABLE IN THEIR RESPECTIVE TRADE SHALL PERFORM THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA STANDARD 70 (NATIONAL ELECTRICAL CODE). CONTRACTOR SHALL ALSO CONFORM TO ALL APPLICABLE LOCAL CODES AND AMENDMENTS.
9. UNLESS OTHERWISE INDICATED, ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND SHALL MEET NEMA AND ANSI STANDARDS. THEY SHALL ALSO BE LISTED/LABELED BY A NATIONALLY RECOGNIZED LABORATORY IN ACCORDANCE WITH NFPA 70. EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND WITHIN THEIR LISTING/LABELING REQUIREMENTS AND RESTRICTIONS.
10. PROVIDE SHOP DRAWINGS FOR ENGINEER'S REVIEW FOR ALL ELECTRICAL EQUIPMENT, DEVICES, AND MATERIALS PROPOSED TO BE PROVIDED UNDER THIS CONTRACT. ANY DEVIATIONS FROM ITEMS SPECIFIED SHALL BE CLEARLY IDENTIFIED AND SEPARATELY SUBMITTED WITH A FORMAL SUBSTITUTION REQUEST. REFER TO SPECIFICATIONS (PROJECT MANUAL) FOR REQUIREMENTS.

B. ELECTRICAL EQUIPMENT

1. PROVIDE AN IDENTIFICATION NAMEPLATE FOR EACH ELECTRICAL EQUIPMENT, APPURTENANCE DEPICTING THE DESIGNATION INDICATED ON THE DRAWINGS. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. WEATHERPROOF ENCLOSURES SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT, DEVICES AND APPURTENANCES (ALL SYSTEMS) INSTALLED OUTDOORS.
3. COORDINATE AND SCHEDULE ALL POWER OUTAGES WITH OWNER. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.
4. SPACE ALLOCATIONS FOR MATERIALS, EQUIPMENT AND DEVICES HAVE BEEN MADE ON THE BASIS OF PRESENT AND KNOWN FUTURE REQUIREMENTS AND THE DIMENSIONS OF ITEMS OF EQUIPMENT OR DEVICES OF A PARTICULAR MANUFACTURER. THE CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, EQUIPMENT AND DEVICES PROPOSED FOR USE ON THIS PROJECT ARE WITHIN THE CONSTRAINTS OF THE ALLOCATED SPACE.
5. DO NOT USE PERMANENT INK WHEN MAKING FIELD MARKINGS OR TEMPORARY CIRCUIT LABELS ON PANELS. CONTRACTOR SHALL USE REMOVABLE TAPE/TAGS FOR ALL TEMPORARY MARKINGS AND SHALL REMOVE THESE TEMPORARY MARKINGS AT THE CONCLUSION OF THIS PROJECT.

C. SITE WORK

1. COORDINATE WITH THE SITE WORK FOR THE LOCATION, DIMENSIONS AND ELEVATION OF ALL DUCTBANKS/SERVICE CONDUITS EXTERNAL TO THE BUILDING PRIOR TO INSTALLATION OF ALL DUCTBANKS/SERVICE CONDUITS INTERNAL TO THE BUILDING.
2. COORDINATE ALL ELECTRICAL UTILITY SERVICE REQUIREMENTS WITH UTILITIES REPRESENTATIVE PRIOR TO COMMENCING ANY ELECTRICAL SITE WORK. CONTRACTOR SHALL SCHEDULE ALL NECESSARY MEETINGS BETWEEN UTILITY COMPANIES CONSTRUCTION FOREMAN, ELECTRICAL SUBCONTRACTORS, AND VARIOUS SUBCONTRACTORS RESPONSIBLE FOR SITE CONSTRICTION PRIOR TO ELECTRICAL ROUGH-IN.

D. CONDUIT & RACEWAY

1. ALL WORK SHALL BE COORDINATED SO THAT INTERFERENCES ARE AVOIDED. PROVIDE ALL NECESSARY OFFSETS IN CONDUITS, RACEWAYS, ETC., REQUIRED TO PROPERLY INSTALL THE WORK. EXPOSED WORK MUST BE KEPT AS CLOSE AS POSSIBLE TO WALLS, CEILINGS, COLUMNS, ETC., SO AS TO TAKE UP MINIMUM AMOUNT OF SPACE. ALL OFFSETS, FITTINGS, ETC., REQUIRED SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. WORK SHALL BE COORDINATED WITH OTHER TRADES.
2. CONDUIT RUNS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR SIZING AND LOCATING PULL BOXES PER NFPA 70 AND FOR COORDINATION WITH OTHER DISCIPLINES.
3. PENETRATIONS OF WALLS, FLOORS, AND ROOFS FOR THE PASSAGE OF ELECTRICAL RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. ALL SUCH PENETRATIONS SHALL BE PROPERLY SEALED OFF AFTER INSTALLATION OF RACEWAY SO AS TO MAINTAIN THE STRUCTURAL, WATER PROOF, AND FIRE PROOF INTEGRITY OF THE WALL, FLOOR, OR ROOF SYSTEM PENETRATED.
4. SEAL ALL CONDUITS THAT PENETRATE THE BASEMENT FLOOR SLAB TO MAKE THEM WATER TIGHT. THE CONDUITS SHALL BE DRIED PRIOR TO INSTALLATION OF WIRE/CABLE AND SHALL BE SEALED AT TERMINATIONS.
5. ALL PENETRATIONS THROUGH FIRE RATED WALLS OR PARTITIONS SHALL BE MADE IN ACCORDANCE WITH U.L. "FIRE RESISTANCE DIRECTORY". PENETRATIONS SHALL BE SLEEVED AND SEALED WITH A UL APPROVED FIRE RATED SEALANT. REFER TO ARCHITECTURAL PLANS FOR FIRE RATED WALLS.
6. ALL EMPTY CONDUIT SYSTEMS SHALL CONTAIN A PULL WIRE FOR FUTURE PULLING OF CONDUCTORS.

E. BRANCH CIRCUITS AND FEEDERS

1. CIRCUITING IS SHOWN DIAGRAMMATICALLY. HOMERUNS SHALL BE COMBINED WHERE POSSIBLE IN ACCORDING TO NFPA 70.
2. UNLESS OTHERWISE INDICATED, ALL CIRCUITS 100' OR LESS SHALL BE MINIMUM #12 AWG WIRE SIZE. CIRCUITS OVER 100' BUT LESS THAN 200' SHALL BE MINIMUM #10 AWG WIRE SIZE. CIRCUITS OVER 200' BUT LESS THAN 300' SHALL BE MINIMUM #8 AWG WIRE SIZE.
3. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS SHALL BE COPPER, 98% CONDUCTIVITY CONTINUOUS FROM OUTLET TO OUTLET.
4. UNLESS OTHERWISE INDICATED, CONDUCTOR SIZES #12 AWG AND #10 AWG SHALL BE SOLID. CONDUCTOR SIZES #8 AWG AND LARGER MAY BE STRANDED.
5. A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PULLED WITH THE CIRCUIT CONDUCTORS FOR GROUNDING WHETHER OR NOT INDICATED ON THE DRAWINGS. METAL RACEWAY, OR A CABLE ARMOR OR SHEATH SHALL NOT BE USED AS THE ONLY EQUIPMENT GROUNDING CONDUCTOR.
6. HOMERUN CIRCUITS FOR ISOLATED GROUND RECEPTACLES SHALL BE SEPARATED FROM OTHER CIRCUITS. EACH CIRCUIT SHALL HAVE ITS OWN NEUTRAL CONDUCTOR AND EACH HOMERUN SHALL CONTAIN AN ISOLATED AND EQUIPMENT GROUND CONDUCTOR.

F. WIRING DEVICES

1. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATION AND MOUNTING HEIGHT OF ALL WALL AND FLOOR MOUNTED ELEMENTS (OUTLETS, LIGHT SWITCHES, CONTROLLERS, POKE-THRU, ETC). ALL WALL/FLOOR MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL WALL/FLOOR TYPES IN ALL AREAS. DO NOT SCALE OR DIMENSION LOCATIONS FROM THESE DRAWINGS.
2. COORDINATE THE LOCATION AND INSTALLATION DETAIL OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS (WALL ELEVATIONS, MILLWORK DETAILS, ETC.) AND WITH MILLWORK MANUFACTURER PRIOR TO ELECTRICAL ROUGH-IN.
3. WALL AND FLOOR MOUNTED POWER RECEPTACLES SHOWN NEAR DATA OUTLETS SHALL BE LOCATED WITHIN SIX (6) INCHES OF THE DATA OUTLET. LOCATE AT SAME MOUNTING HEIGHT UNLESS NOTED OTHERWISE.
4. VERIFY THE EXACT POWER CONNECTION TYPE AND NEMA CONFIGURATION OF RECEPTACLES FOR EQUIPMENT FURNISHED BY THE OWNER, OTHER TRADES, OR UNDER A SEPARATE SECTION OF THIS CONTRACT PRIOR TO ELECTRICAL ROUGH-IN.
5. ALL RECEPTACLES LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE HOUSED IN ENCLOSURES THAT ARE RATED 'WEATHER-PROOF-WHILE-IN-USE' AND SHALL BE EQUIPPED WITH GFCI FOR PERSONNEL PROTECTION.
6. ALL GFCI RECEPTACLES SHALL BE CONNECTED SO THAT ALL DEVICES ON THE SAME CIRCUIT AS THE GFCI RECEPTACLE DO NOT DE-ENERGIZE UPON TRIPPING. ALL GFCI RECEPTACLES SHALL INCLUDE A LOCK-OUT FUNCTION TO PROTECT AGAINST THE USE OF MISWIRED DEVICES OR DEVICES THAT HAVE BEEN DAMAGED DUE TO DISABLING SURGES.

G. LIGHTING SYSTEM

1. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATION OF ALL CEILING ELEMENTS (LIGHTS, SPRINKLERS, DIFFUSERS, ETC). ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS. IF LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL CEILING TYPES IN ALL AREAS. DO NOT SCALE OR DIMENSION LOCATIONS FROM THESE DRAWINGS.
2. PROVIDE AND INSTALL ALL SUPPORTS FOR LIGHT FIXTURES. SUPPORTS SHALL BE INDEPENDENT OF THE CEILING GRID SUPPORT SYSTEM.
3. LIGHT SWITCHES / OCCUPANCY SENSORS LOCATED IN A ROOM SHALL CONTROL ALL THE LIGHT FIXTURES IN THAT ROOM UNLESS NOTED OTHERWISE. CONTRACTOR SHALL GANG TOGETHER ALL SWITCHES/DIMMERS UNDER A SINGLE COVER PLATE IN ALL AREAS THAT REQUIRE MORE THAN ONE SWITCH TO CONTROL ELECTRICAL DEVICES.
4. IN INSTANCES WHERE A TRACK LIGHTING SYSTEM, DIMMING SYSTEM, AND/OR LIGHTING CONTROL SYSTEM IS SPECIFIED, THE CONTRACTOR SHALL COORDINATE ALL NECESSARY COMPONENTS OF SUCH SYSTEM(S) WITH THE MANUFACTURER PRIOR TO BID AND INCLUDE ALL NECESSARY ACCESSORIES TO INSTALL A COMPLETE AND FUNCTIONING SYSTEM.

H. MECHANICAL & PLUMBING COORDINATION

1. REFERENCE THE MECHANICAL AND PLUMBING DRAWINGS FOR ALL EQUIPMENT NEEDING ELECTRICAL CONNECTIONS. MAKE ALL CONNECTIONS AND PROVIDE APPROPRIATE WIRE, CONDUIT, AND OVERCURRENT PROTECTION FOR ALL EQUIPMENT.
2. VERIFY EXACT LOCATION OF ALL POWER CONNECTIONS AND CONTROL DEVICES WITH OTHER TRADES AND MANUFACTURERS SHOP DRAWINGS BEFORE CONSTRUCTION. COORDINATE ALL REQUIRED ENERGY MANAGEMENT SYSTEM POINTS AND CONTACT CONNECTIONS TO ENSURE THE COMPLETE AND PROPER OPERATION OF ALL SYSTEMS.
3. ALL FUSED SWITCH AND/OR CIRCUIT BREAKERS SERVING EQUIPMENT SHALL HAVE PROVISIONS FOR HANDLE LOCKS.
4. ALL CIRCUIT BREAKERS SERVING MECHANICAL EQUIPMENT SHALL BEAR AN 'HACR' RATING.
5. ALL DISCONNECTS DOWN STREAM OF VFDs SHALL BE PROVIDED WITH AUXILIARY CONTACTS TO SHUT DOWN UPSTREAM VFD WHEN SWITCH IS OPENED.
6. COORDINATE BETWEEN TRADES AND PROVIDE CONTROL POWER FOR ALL VAV BOXES/DAMPERS/ETC, AS REQUIRED TO ENSURE A COMPLETE, FULLY FUNCTIONAL HVAC SYSTEM. SHOULD AN EXACT CIRCUIT NUMBER NOT BE INDICATED ON ELECTRICAL DRAWINGS, CONTRACTOR SHALL UTILIZE AVAILABLE 20A/1P SPACE FROM THE NEAREST 208V/120V PANEL OR FROM BUILDING CONTROL POWER DISTRIBUTION SYSTEM.

I. SPECIAL SYSTEMS (i.e. DATA/PHONE/SECUITY/CATV)

1. CONTRACTOR SHALL PROVIDE AND INSTALL AN EMPTY CONDUIT RACEWAY SYSTEM FOR SPECIAL SYSTEM. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN VENDOR SHOP DRAWINGS FROM THE VENDOR/INSTALL PRIOR TO ELECTRICAL ROUGH-IN. CONTRACTOR SHALL COORDINATE, PROVIDE AND INSTALL ALL REQUIRED RACEWAYS AND DEVICE BACK BOXES AS REQUIRED BY VENDOR SHOP DRAWINGS. CONTRACTOR TO PROVIDE A LINE ITEM ALLOWANCE IN BID AS NECESSARY TO COVER THIS SCOPE. REFER TO T SERIES AND AV SERIES DRAWINGS FOR ADDITIONAL REQUIREMENTS.

POWER SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	MNTG. HT. UNO
	SINGLE RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT	18" AFF
	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3W/G NEMA 5-20R	18" AFF
H	DUPLEX RECEPTACLE MOUNTED HORIZONTALLY	18" AFF
WP	DUPLEX RECEPTACLE, GFCI, TAMPER RESISTANT, WEATHER RESISTANT, HOUSED IN A "WEATHERPROOF-WHILE-IN-USE" ENCLOSURE - 20A/125V/2P/3W/G NEMA 5-20R	18" AFF
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP	8" AFC OR 42" AFF
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP ON EMERGENCY CIRCUIT	8" AFC OR 42" AFF
	QUADRAPLEX RECEPTACLE (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	18" AFF
	QUADRAPLEX RECEPTACLE ON EMERGENCY CIRCUIT (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	18" AFF
	QUADRAPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	8" AFC OR 42" AFF
	QUADRAPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP ON EMERGENCY CIRCUIT (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE)	8" AFC OR 42" AFF
	SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)	18" AFF
	FLOOR MOUNTED RECEPTACLE IN FLOOR BOX OR POKE-THRU DEVICE - FLUSH MOUNTED, UNO	FLUSH W/ FLR SURFACE
	CEILING MOUNTED RECEPTACLE - CONFIGURATION UNO	FLUSH W/ CLG SURFACE
J, J	JUNCTION BOX - SIZE & MOUNTING AS REQUIRED	AS REQUIRED
D/T	WALL MOUNTED JUNCTION BOX FOR DATA/TELEPHONE - SIZE & MOUNTING AS REQUIRED	AS REQUIRED
	POWER POLE	--
	PLUGMOLD	AS REQUIRED
X/Y/Z	DISCONNECT SWITCH (X=FRAME SIZE, Y=FUSE SIZE, Z=NUMBER OF POLES)	AS REQUIRED
X/-/Z	DISCONNECT SWITCH NON-FUSED (X=FRAME SIZE, Z=NUMBER OF POLES)	AS REQUIRED
CB X/Z	ENCLOSED CIRCUIT BREAKER (X=TRIP RATING, Z=NUMBER OF POLES)	AS REQUIRED
#	MOTOR STARTER FVNR UNO (#=NEMA SIZE)	AS REQUIRED
CB	COMBINATION MOTOR CONTROLLER / DISCONNECT SWITCH	AS REQUIRED
M	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD AND PILOT LIGHT	AS REQUIRED
	EMERGENCY POWER OFF BUTTON - WALL MOUNTED	AS REQUIRED
	CIRCUIT CONDUCTOR INDICATION (EQUIPMENT GROUND, NEUTRAL, PHASE)	--
	CIRCUIT HOMERUN TO PANELBOARD (2#12, 1#12G, 3/4"C. 20A/1P CB UNO)	--
	CONDUIT INSTALLED IN CEILING SPACE OF FLOOR BELOW.	--
X,X,X	THREE SINGLE POLE DEIVCE CIRCUIT NUMBERS. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.	--
X,X,X	MULTI-POLE DEVICE CIRCUIT NUMBERS. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.	--
	208Y/120V PANELBOARD	--
	480Y/277V PANELBOARD	--
	208Y/120V DISTRIBUTION PANELBOARD	--
	480Y/277V DISTRIBUTION PANELBOARD	--
	ISOLATION PANEL	--
	SWITCHBOARD	--
T	STEP-DOWN TRANSFORMER	--
	AUTOMATIC TRANSFER SWITCH	--
	BY-PASS / ISOLATION AUTOMATIC TRANSFER SWITCH	--
	GROUND BAR	--
PG	PATIENT GROUND BAR	--
GAP	GENERAL ALARM PANEL	AS REQUIRED
ATS	AUTOMATIC TRANSFER SWITCH ANNUNCIATOR PANEL	AS REQUIRED
SECP	STAIR EXIT CONTROL PANEL	AS REQUIRED
MAP	MEDICAL GAS ALARM PANEL - PANEL PROVIDED UNDER DIV 15	AS REQUIRED
BAS	BUILDING AUTOMATION SYSTEM	AS REQUIRED
FAAP	FIRE ALARM ANNUNCIATOR PANEL	AS REQUIRED
FACP	FIRE ALARM CONTROL PANEL	AS REQUIRED
FCP	FIRE CONTROL PANEL	AS REQUIRED
EVAC	EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM CONTROL UNIT	AS REQUIRED
ELEV	ELEVATOR ANNUNCIATOR UNIT	AS REQUIRED
MAP	MEDICAL GAS ALARM PANEL - PANEL PROVIDED UNDER DIV 15	AS REQUIRED

GENERAL NOTATIONS AND MOUNTING HEIGHTS

NOTE 1: ALL MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE, UNLESS OTHERWISE INDICATED.
A) 48" AFF INDICATES TO TOP OF DEVICE;
B) 15" AFF INDICATES TO BOTTOM OF DEVICE;
C) 60" AFF INDICATES TO BOTTOM OF DEVICE;
D) 80" AFF INDICATES TO BOTTOM OF DEVICE;

NOTE 2: CONFIRM ALL BACKBOX SIZE WITH VENDOR SHOP DRAWINGS PRIOR TO ELECTRICAL ROUGH-IN.

(2) - LEGEND NOTES: DENOTES "SEE LEGEND NOTE NO. 2"

(7) - EQUIPMENT (ID) NUMBER FOR FOOD SERVICE EQUIPMENT. REFER TO FOOD SERVICE DOCUMENTS FOR DEFINITION AND REQUIREMENTS.

02/E7.01 E5.01 02 - DENOTES: REFERENCE DETAIL 02 ON DRAWING (SHEET) E7.01

DENOTES: REFERENCE ENLARGED DETAIL PLAN 02 ON DRAWING (SHEET) E5.01

717629 OR 717629 - EQUIPMENT (ID) NUMBER FOR OWNER PROVIDED EQUIPMENT. REFER TO OWNER'S EQUIPMENT BOOK / FF&E DOCUMENTS FOR DEFINITION AND REQUIREMENTS.

LIGHTNING PROTECTION

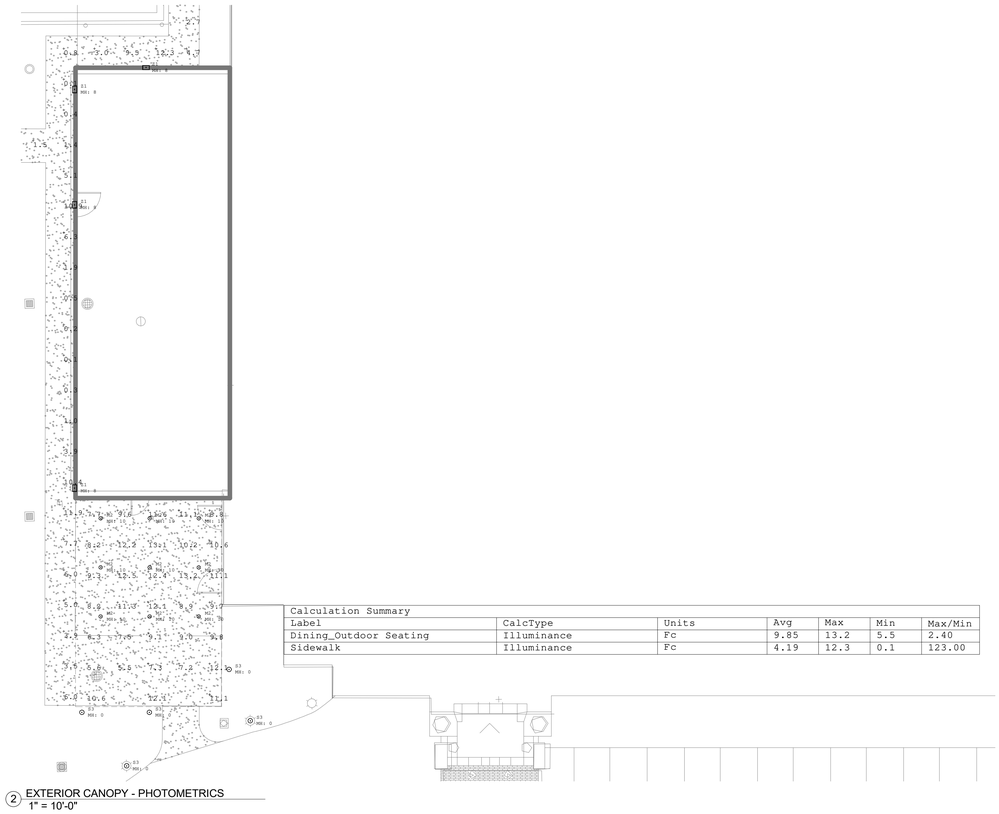
LIGHTNING PROTECTION SYSTEM IS A DELEGATED DESIGN. THESE DRAWINGS DO NOT INDICATE SYSTEM REQUIREMENTS. REFER TO THE SPECIFICATIONS (PROJECT MANUAL) FOR SYSTEM REQUIREMENTS. THESE DRAWINGS ARE INTENDED TO SHOW LOCATIONS OF EQUIPMENT FOR WHICH LIGHTNING PROTECTION WILL NEED TO COORDINATE WITH. THE DESIGNER SHALL PROVIDE ANY AND ALL DEVICES FOR A COMPLETE SYSTEM. PROVIDE PLANS TO BE SUBMITTED FOR AHJ APPROVAL SHALL BE PRODUCED BY A QUALIFIED INDIVIDUAL OR FIRM.

NFPA CLASS COMPONENTS: (75'=>X) I OR II , (75'<X) II (CHOOSE)

LIGHTING SYMBOLS LEGEND

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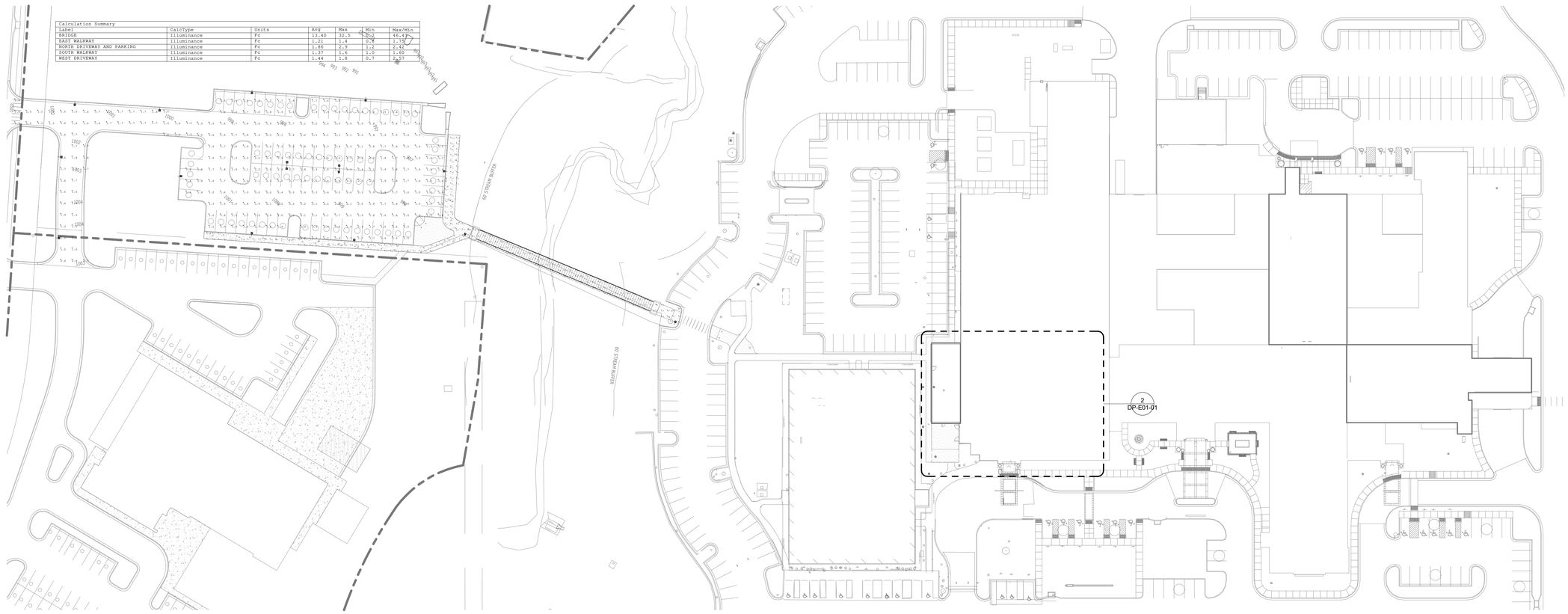
SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	2'x4' LIGHT FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	2'x4' LIGHT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	2'x4' LIGHT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	2'x4' LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. BOTH BALLAST/DRIVERS ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	2'x4' LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. ONE BALLAST/DRIVER ON NORMAL CIRCUIT AND ONE BALLAST/DRIVER ON LIFE SAFETY CIRCUIT	SEE FIXTURE SCHEDULE
	2'x4' LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. ONE BALLAST/DRIVER ON NORMAL CIRCUIT AND ONE BALLAST/DRIVER ON CRITICAL CIRCUIT	SEE FIXTURE SCHEDULE
	2'x2' LIGHT FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	2'x2' LIGHT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	2'x2' LIGHT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	2'x2' LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. BOTH BALLAST/DRIVERS ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	2'x2' LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. ONE BALLAST/DRIVER ON NORMAL CIRCUIT AND ONE BALLAST/DRIVER ON LIFE SAFETY CIRCUIT	SEE FIXTURE SCHEDULE
	2'x2' LIGHT FIXTURE WITH BI-LEVEL SWITCHING. PROVIDE DUAL BALLAST/DRIVERS. ONE BALLAST/DRIVER ON NORMAL CIRCUIT AND ONE BALLAST/DRIVER ON CRITICAL CIRCUIT	SEE FIXTURE SCHEDULE
	WALL MOUNTED LINEAR FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	WALL MOUNTED LINEAR FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	WALL MOUNTED LINEAR FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	RECESSED/SURFACE MOUNTED LINEAR FIXTURE ON NORMAL CIRCUIT.	SEE NOTE 2
	RECESSED/SURFACE MOUNTED LINEAR FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE NOTE 2
	RECESSED/SURFACE MOUNTED LINEAR FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE NOTE 2
	RECESSED/SURFACE DOWNLIGHT FIXTURE ON NORMAL CIRCUIT.	SEE NOTE 2
	RECESSED/SURFACE DOWNLIGHT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE NOTE 2
	RECESSED/SURFACE DOWNLIGHT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE NOTE 2
	WALL MOUNTED FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	WALL MOUNTED FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	WALL MOUNTED FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	RECESSED DOWNLIGHT FIXTURE WITH WALL WASH ON NORMAL CIRCUIT.	SEE NOTE 2
	RECESSED DOWNLIGHT FIXTURE WITH WALL WASH ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE NOTE 2
	RECESSED DOWNLIGHT FIXTURE WITH WALL WASH ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE NOTE 2
	HANGING RECTANGULAR PENDANT FIXTURE ON NORMAL CIRCUIT.	SEE NOTE 3
	HANGING RECTANGULAR PENDANT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE NOTE 3
	HANGING RECTANGULAR PENDANT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE NOTE 3
	HANGING CIRCULAR PENDANT FIXTURE ON NORMAL CIRCUIT.	SEE NOTE 3
	HANGING CIRCULAR PENDANT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE NOTE 3
	HANGING CIRCULAR PENDANT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE NOTE 3
	EMERGENCY LIGHTING UNIT. WALL MOUNTED BATTERY-POWERED LIGHTING. CONNECT TO NORMAL CIRCUIT IN AREA SERVED	SEE FIXTURE SCHEDULE
	CEILING MOUNTED EXIT SIGN. SHADING INDICATES DOUBLE OR SINGLE FACE. ARROW INDICATES CHEVRON DIRECTIONS.	SEE FIXTURE SCHEDULE
	END MOUNTED EXIT SIGN. SHADING INDICATES DOUBLE OR SINGLE FACE. ARROW INDICATES CHEVRON DIRECTIONS.	SEE FIXTURE SCHEDULE
	WALL MOUNTED EXIT SIGN. SHADING INDICATES DOUBLE OR SINGLE FACE. ARROW INDICATES CHEVRON DIRECTIONS.	SEE FIXTURE SCHEDULE
	WALL PACK LIGHT FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	WALL PACK LIGHT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	WALL PACK LIGHT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	BOLLARD LIGHT FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	BOLLARD LIGHT FIXTURE ON LIFE SAFETY CIRCUIT OR LEGALLY REQUIRED STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	BOLLARD LIGHT FIXTURE ON CRITICAL CIRCUIT OR NON-ESSENTIAL STANDBY SYSTEM.	SEE FIXTURE SCHEDULE
	EXTERIOR LIGHT POLE FIXTURE ON NORMAL CIRCUIT.	SEE FIXTURE SCHEDULE
	EX



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Dining_Outdoor Seating	Illuminance	Fc	9.85	13.2	5.5	2.40
Sidewalk	Illuminance	Fc	4.19	12.3	0.1	123.00

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

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
BRIDGE	Illuminance	Fc	13.40	32.5	2.2	14.77
EAST WALKWAY	Illuminance	Fc	1.21	1.4	0.9	1.75
NORTH DRIVEWAY AND PARKING	Illuminance	Fc	1.86	2.9	1.2	2.42
SOUTH WALKWAY	Illuminance	Fc	1.37	1.6	1.0	1.60
WEST DRIVEWAY	Illuminance	Fc	1.44	1.8	0.7	2.57



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

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Engineer: MINDY WAKILER
Eng. Reg. No.: PE-2017000120
Date: 07/24/2024
Firm: 2013001881

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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

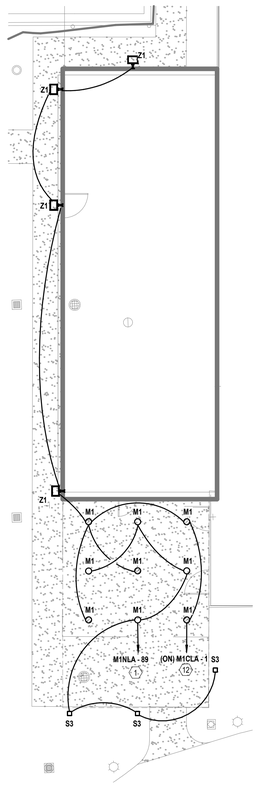
REVISIONS		
REV #	DESCRIPTION	DATE

DATE:	2024/07/24
SCALE:	As indicated
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

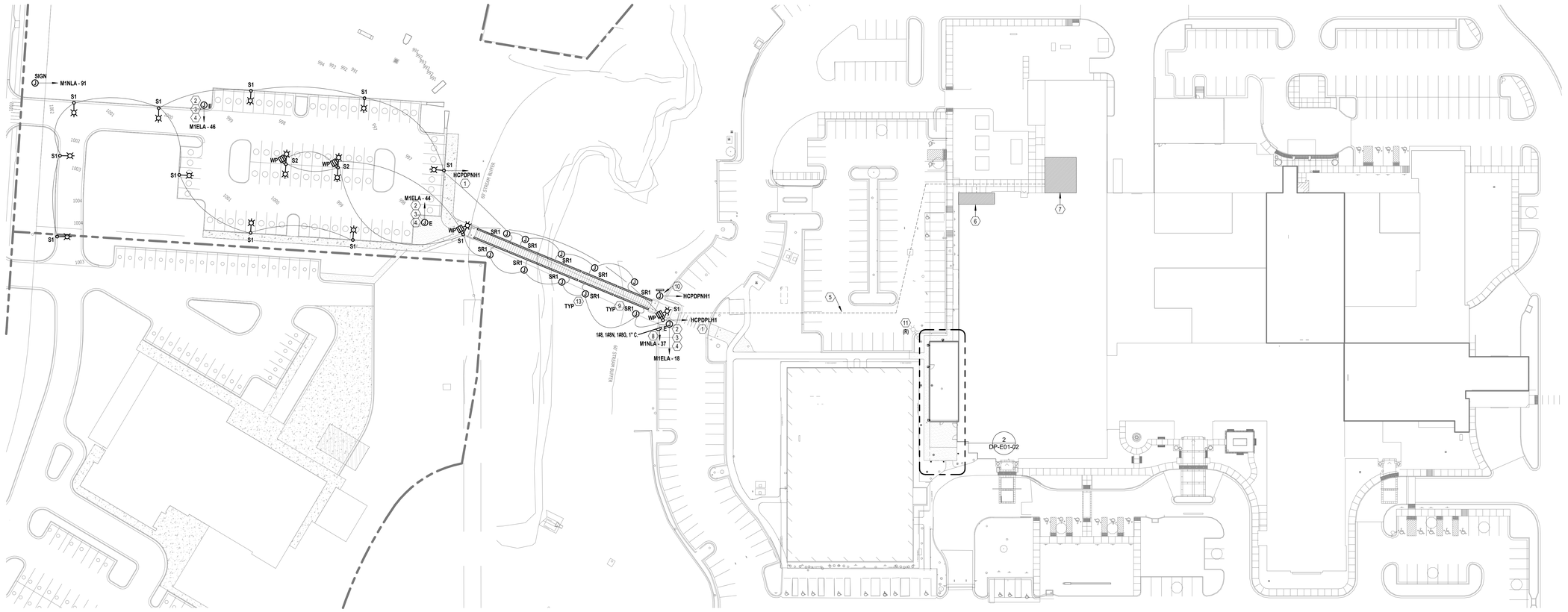
SITE PLAN - PHOTOMETRICS

DP-E01-01

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



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

LEGEND NOTES

1. CONTROL VIA EXISTING EXTERIOR LIGHTING CONTROL PANEL. VERIFY PANEL LOCATION AND SPARE CAPACITY. EXTEND THE EXISTING SYSTEM AS NEEDED.
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 360 DEGREE FIELD-OF-VIEW MULTI-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. PROVIDE POWER UNDERGROUND TO THE NEW BRIDGE AND REMOTE PARKING LOT. LIGHT FIXTURES AND POWER DEVICES; TRENCH EXISTING PARKING LOT TO INSTALL NEW CONDUIT.
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 CONVERT DOWN TO 1#12, 1 #12N, 1#12G 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. COORDINATE WITH CIVIL DRAWINGS.
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.

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REVISIONS		
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DATE:	2024/07/24
SCALE:	As indicated
DRAWN:	Author
REVIEWED:	Checker
JOB NUMBER:	6406.24

SITE PLAN - ELECTRICAL

DP-E01-02

7/24/2024 3:30:48 PM Autodesk Docs://6406.24.0001 - HCA - LSMC MedSurg Expansion_rvt23/MEP - LSMC Med Surge Expansion_v23.rvt

EXTERIOR ELECTRICAL LUMINAIRE FIXTURE SCHEDULE

TYPE	PHYSICAL DESCRIPTION							ELECTRICAL SPECIFICATIONS								MANUFACTURER INFORMATION		
	DESCRIPTION	LOCATION	HOUSING	REFLECTOR	SHIELDING	FINISH	MOUNTING	COLOR TEMP.	LAMP	LUMENS	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	#JSF 7IN 10LM SWW5 90CRI MVOLT ZT	
S1	ARCHITECTURAL SINGLE HEAD LED SITE FIXTURE, TYPE IV DISTRIBUTION	EXTERIOR SITE	DIE-CAST ALUMINUM	TYPE IV MEDIUM	NONE	TGIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 2'6" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSX0LED-20C-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	TGIC THERMOSET POWDER COAT FINISH IN DARK BRONZE	POLE MOUNTED - 20'-0" ROUND ALUMINUM POLE ON 2'6" CONCRETE BASE	4,000	LED	5,543	10000	89	EACH	LED DRIVER	277	LITHONIA	#DSX0LED-20C-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	TGIC POWDER COAT FINISH IN BLACK	SURFACE MOUNTED	5,000	LED	1,535	50000	72	EACH	LED DRIVER	120	HYDREL	#3140C-H42-BODB-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	#IR LIN 1.5 316 40K H CL 0	
Z1	LED TRAPEZOIDAL WALL PACK WITH PHOTOCELL, WIDE DISTRIBUTION	EXTERIOR	DIE CAST ALUMINUM, DIE-CAST DOOR FRAME. WITH SOLID SILICONE GASKET, IP65	N/A	FULL CUTOFF	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	#WST LED P1 40K VW MVOLT PE DDBXD	

EXIST: M1ELA — EMERGENCY

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

FED FROM: M1DPEL1
WIRES: 4W + G + IG
ENCLOSURE: NEMA 1
BUS TYPE: COPPER
MOUNTING: SURFACE
PANEL LUGS: MLO
NUMBER OF SECTIONS: 2

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	**200**	**REMOTE LOT PHONE**	**18**
19	EXISTING LOAD	--	20 1				3 30	--	EXISTING LOAD	20
21	EXISTING LOAD	--	20 1				-- --	--	--	22
23	EXISTING LOAD	--	20 1				-- --	--	--	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				-- --	--	--	82
83	SPARE	--	20 1				-- --	--	--	84

2 A / 2 A / 2 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS		
				kVA	AMPS
MISC	600	600	EXISTING CONNECTED LOAD:	32.2	89.4
			REMOVED CONNECTED LOAD:	0	0
			ADDED CONNECTED LOAD:	0.6	1.7
			TOTAL CONNECTED LOAD:	32.8	91.1
			TOTAL ESTIMATED DEMAND:	32.8	91.1

NOTES:

EXIST: M1NLA — NORMAL

LOCATION: EXTERIOR ELEC 1-ME1131
MAIN BUS: 225 A
MCB: 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

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	**LGHT - EXTERIOR DINING CANOPY**	**264**	**20 1**				1 20	--	EXISTING LOAD	90
91	**LGHT - SITE SIGNAGE**	**200**	**20 1**				1 20	--	EXISTING LOAD	92
93	EXISTING LOAD	--	40 2				1 20	--	EXISTING LOAD	94
95	--	--	-- --				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	--	--	-- --				-- --	--	--	124
125	--	--	-- --				-- --	--	--	126

8 A / 0 A / 3 A

LOAD CLASSIFICATION	CONNECTED LOAD (VA)	ESTIMATED DEMAND (VA)	PANEL TOTALS		
				kVA	AMPS
LGHT	264	330			
MISC	200	200	EXISTING CONNECTED LOAD:	35.2	97.8
RCPT	720	720	REMOVED CONNECTED LOAD:	0	0
			ADDED CONNECTED LOAD:	1.2	3.3
			TOTAL CONNECTED LOAD:	36.4	101.1
			TOTAL ESTIMATED DEMAND:	36.5	101.3

NOTES:

FEEDER SCHEDULE 600V MAX.

FEEDER TAG & AMPERE RATING	FEEDER DESCRIPTION
15.3, 20.3 15.4, 20.4	3#12, 1#12 G, 3/4" C 3#12, 1#12 N, 1#12 G, 3/4" C
25.3, 30.3 25.4, 30.4	3#10, 1#10 G, 3/4" C 3#10, 1#10 N, 1#10 G, 3/4" C
35.3, 40.3 35.4, 40.4	3#8, 1#10 G, 3/4" C 3#8, 1#8 N, 1#10 G, 3/4" C
45.3, 50.3 45.4, 50.4	3#6, 1#10 G, 3/4" C 3#6, 1#6 N, 1#10 G, 1" C
60.3 60.4	3#4, 1#10 G, 1" C 3#4, 1#4 N, 1#10 G, 1 1/4" C
70.3 70.4	3#4, 1#8 G, 1" C 3#4, 1#4 N, 1#8 G, 1-1/4" C
80.3 80.4	3#3, 1#8 G, 1-1/4" C 3#3, 1#3 N, 1#8 G, 1-1/4" C
90.3 90.4	3#2, 1#8 G, 1-1/4" C 3#2, 1#2 N, 1#8 G, 1-1/4" C
100.3 100.4	3#1, 1#8 G, 1-1/4" C 3#1, 1#1 N, 1#8 G, 1-1/2" C
110.3 110.4	3#1, 1#6 G, 1-1/4" C 3#1, 1#1 N, 1#6 G, 1-1/2" C
125.3, 150.3 125.4, 150.4	3#1/0, 1#6 G, 1-1/2" C 3#1/0, 1#1/0 N, 1#6 G, 2" C
175.3 175.4	3#2/0, 1#6 G, 2" C 3#2/0, 1#2/0 N, 1#6 G, 2" C
200.3 200.4	3#3/0, 1#6 G, 2" C 3#3/0, 1#3/0 N, 1#6 G, 2" C
225.3 225.4	3#4/0, 1#4 G, 2" C 3#4/0, 1#4/0 N, 1#4 G, 2-1/2" C
250.3 250.4	3#250KCM, 1#4 G, 2-1/2" C 3#250KCM, 1-250KCM N, 1#4 G, 2-1/2" C
300.3 300.4	3#350KCM, 1#4 G, 2-1/2" C 3#350KCM, 1-350KCM N, 1#4 G, 3" C
350.3 350.4	3#500KCM, 1#3 G, 3" C 3#500KCM, 1-500KCM N, 1#3 G, 3-1/2" C
400.3 400.4	2 SETS EACH OF [3#3/0, 1#3 G, 2" C] 2 SETS EACH OF [3#3/0, 1#3/0 N, 1#3 G, 2-1/2" C]
450.3 450.4	2 SETS EACH OF [3#4/0, 1#2 G, 2" C] 2 SETS EACH OF [3#4/0, 1#4/0 N, 1#2 G, 2-1/2" C]
500.3 500.4	2 SETS EACH OF [3#250KCM, 1#2 G, 2-1/2" C] 2 SETS EACH OF [3#250KCM, 1#250KCM N, 1#2 G, 2-1/2" C]
600.3 600.4	2 SETS EACH OF [3#350KCM, 1#1 G, 2-1/2" C] 2 SETS EACH OF [3#350KCM, 1#350KCM N, 1#1 G, 3" C]
700.3 700.4	2 SETS EACH OF [3#500KCM, 1#1/0 G, 3" C] 2 SETS EACH OF [3#500KCM, 1#500KCM N, 1#1/0 G, 3-1/2" C]
800.3 800.4	3 SETS EACH OF [3#300KCM, 1#1/0 G, 3" C] 3 SETS EACH OF [3#300KCM, 1#300KCM N, 1#1/0 G, 3" C]
900.3 900.4	3 SETS EACH OF [3#350KCM, 1#2/0 G, 3" C] 3 SETS EACH OF [3#350KCM, 1#350KCM N, 1#2/0 G, 3" C]
1000.3 1000.4	3 SETS EACH OF [3#400KCM, 1#2/0 G, 3" C] 3 SETS EACH OF [3#400KCM, 1#400KCM N, 1#2/0 G, 3" C]
1200.3 1200.4	4 SETS EACH OF [3#350KCM, 1#3/0 G, 3" C] 4 SETS EACH OF [3#350KCM, 1#350KCM N, 1#3/0 G, 3" C]
1400.3 1400.4	4 SETS EACH OF [3#500KCM, 1#4/0 G, 3" C] 4 SETS EACH OF [3#500KCM, 1#500KCM N, 1#4/0 G, 3-1/2" C]
1600.3 1600.4	5 SETS EACH OF [3#400KCM, 1#4/0 G, 3" C] 5 SETS EACH OF [3#400KCM, 1#400KCM N, 1#4/0 G, 3" C]
2000.3 2000.4	6 SETS EACH OF [3#400KCM, 1#250KCM G, 3" C] 6 SETS EACH OF [3#400KCM, 1#400KCM N, 1#250KCM G, 3" C]
2500.3 2500.4	7 SETS EACH OF [3#500KCM, 1#350KCM G, 3-1/2" C] 7 SETS EACH OF [3#500KCM, 1#500KCM N, 1#350KCM G, 3-1/2" C]
3000.3 3000.4	8 SETS EACH OF [3#500KCM, 1#400KCM G, 3" C] 8 SETS EACH OF [3#500KCM, 1#500KCM N, 1#400KCM G, 3-1/2" C]
4000.3 4000.4	11 SETS EACH OF [3#500KCM, 1#500KCM G, 3-1/2" C] 11 SETS EACH OF [3#500KCM, 1#500KCM N, 1#500KCM G, 3-1/2" C]

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Consultant:

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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:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE

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

SCHEDULES - ELECTRICAL

DP-E08-01

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