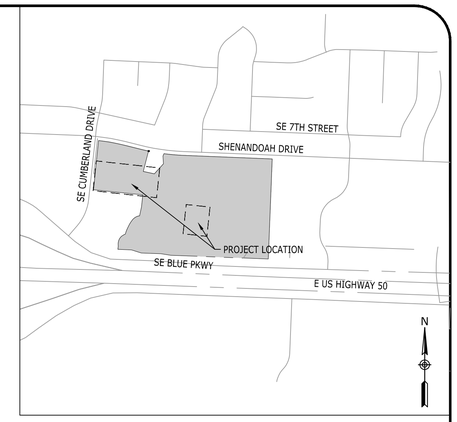
CONSTRUCTION DOCUMENTS

HCA - LEE'S SUMMIT MEDICAL CENTER

LEE'S SUMMIT, JACKSON COUNTY COUNTY, MO

CATALYST PROJECT NO. 20240037
FEBRUARY 6, 2025



VICINITY MAP
NOT TO SCALE

SITE DATA

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

IMPERVIOUS SURFACE AREA

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

PARKING SUMMARY

PARKING REQUIRED:

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

LEE'S SUMMIT MEDICAL CENTER

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

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

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

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

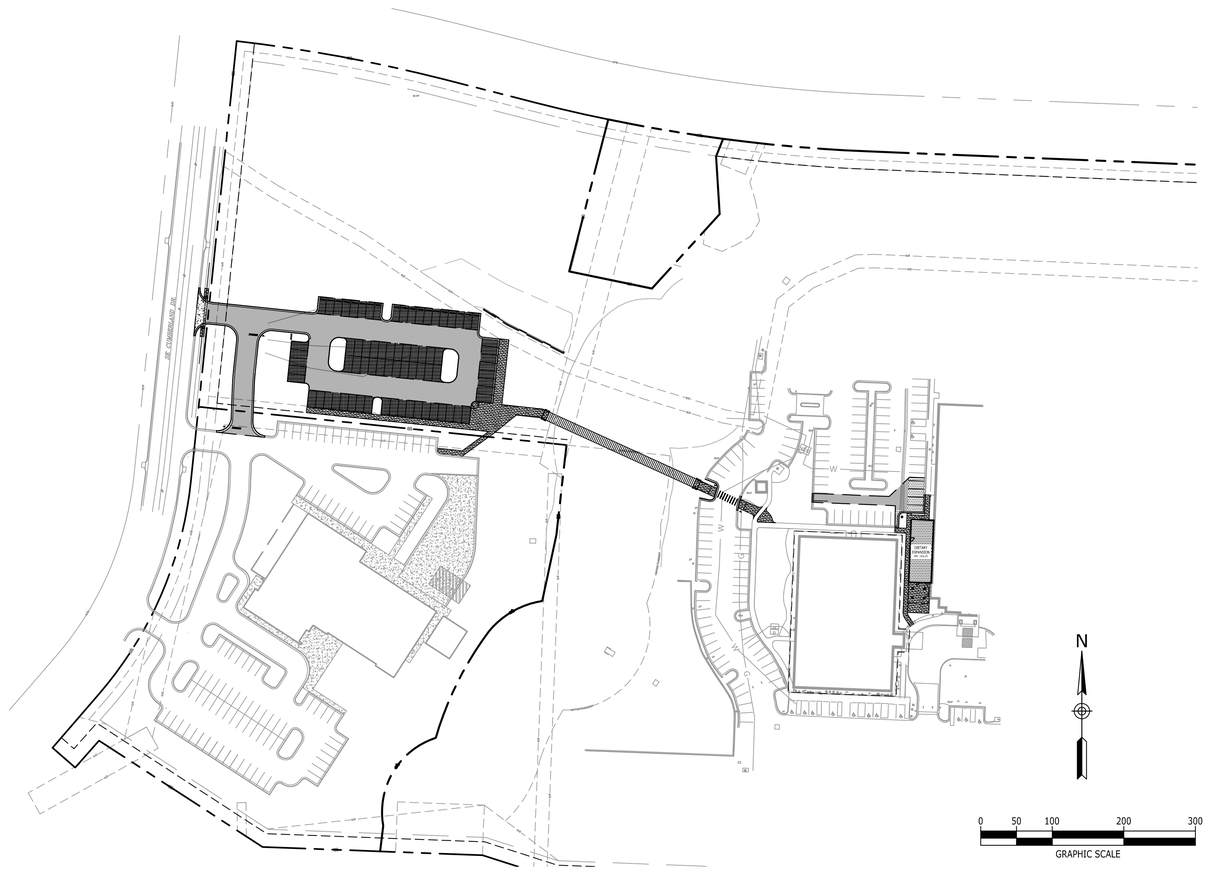
OWNER:	MIDWEST DIVISION LSH LLC
ADDRESS:	PO BOX 80610 INDIANAPOLIS, IN 46280

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

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

LEGAL DESCRIPTION:

A TRACT OF LAND IN THE NORTHWEST QUARTER OD SECTION 36, TOWNSHIP 48, RANGE 32 IN THE CITY OD LEE'S SUMMIT, JACKSON COUNTY, MISSOURI MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHWEST QUARTER OF SAID SECTION 36; THENCE NORTH 86 DEGREES 19 MINUTES 41 SECONDS WEST, ALONG THE SOUTH LINE OF SAID NORTHWEST QUARTER OD SAID SECTION 36, 310.15 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF OLD MISSOURI HIGHWAY 50, SAID POINT BEING THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG A PROLONGATION OF THE LAST DESCRIBED COURSE, 225.49 FEET TO A PONT 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.



Sheet List Table	
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C1.0	EXISTING CONDITIONS
C2.0	GENERAL NOTES
C3.0	INITIAL EROSION CONTROL PLAN
C3.1	FINAL EROSION CONTROL PLAN
C3.2	SEDIMENT AND EROSION CONTROL DETAILS
C3.3	SEDIMENT AND EROSION CONTROL DETAILS
C4.0	OVERALL DEMOLITION PLAN
C4.1	DETAILED DEMOLITION PLAN
C4.2	DETAILED DEMOLITION PLAN
C5.0	OVERALL LAYOUT PLAN
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C6.4	PEDESTRIAN BRIDGE PLAN & PROFILE
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C7.1	DETAILED UTILITY PLAN
C8.0	SITE DETAILS
C8.1	SITE DETAILS
C8.2	SITE DETAILS
L1.0	OVERALL LANDSCAPE PLAN
L1.1	DETAILED LANDSCAPE PLAN
L1.2	DETAILED LANDSCAPE PLAN
L2.0	LANDSCAPE DETAILS

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

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

STATE OF MISSOURI
JACK J. PARKER
NUMBER
PE-2017040852
PROFESSIONAL ENGINEER
02/06/2025

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

STATE OF MISSOURI
JAMES
ALLEN
WINGHAM
NUMBER
(2022)0025
PROFESSIONAL ARCHITECT
02/06/2025

COVER SHEET

C0.0

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

SITE DESCRIPTION AND NOTES:

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

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 = 93,929 S.F. (2.15± 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.
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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
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

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

NO.	DATE	DESCRIPTION
1	2025/02/06	DESIGN COORDINATION

DRAWING TITLE
INITIAL EROSION CONTROL PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C3.0

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 I. PARKER
NUMBER PE-2010040852
PROFESSIONAL ENGINEER
02/06/2025

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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

DATE:	2024/12/05
SCALE:	1:50
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

INITIAL EROSION CONTROL PLAN

C3.0

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_ERO.dwg-C3.0 INITIAL EROSION CONTROL PLAN Jan 31, 2025 wbissard

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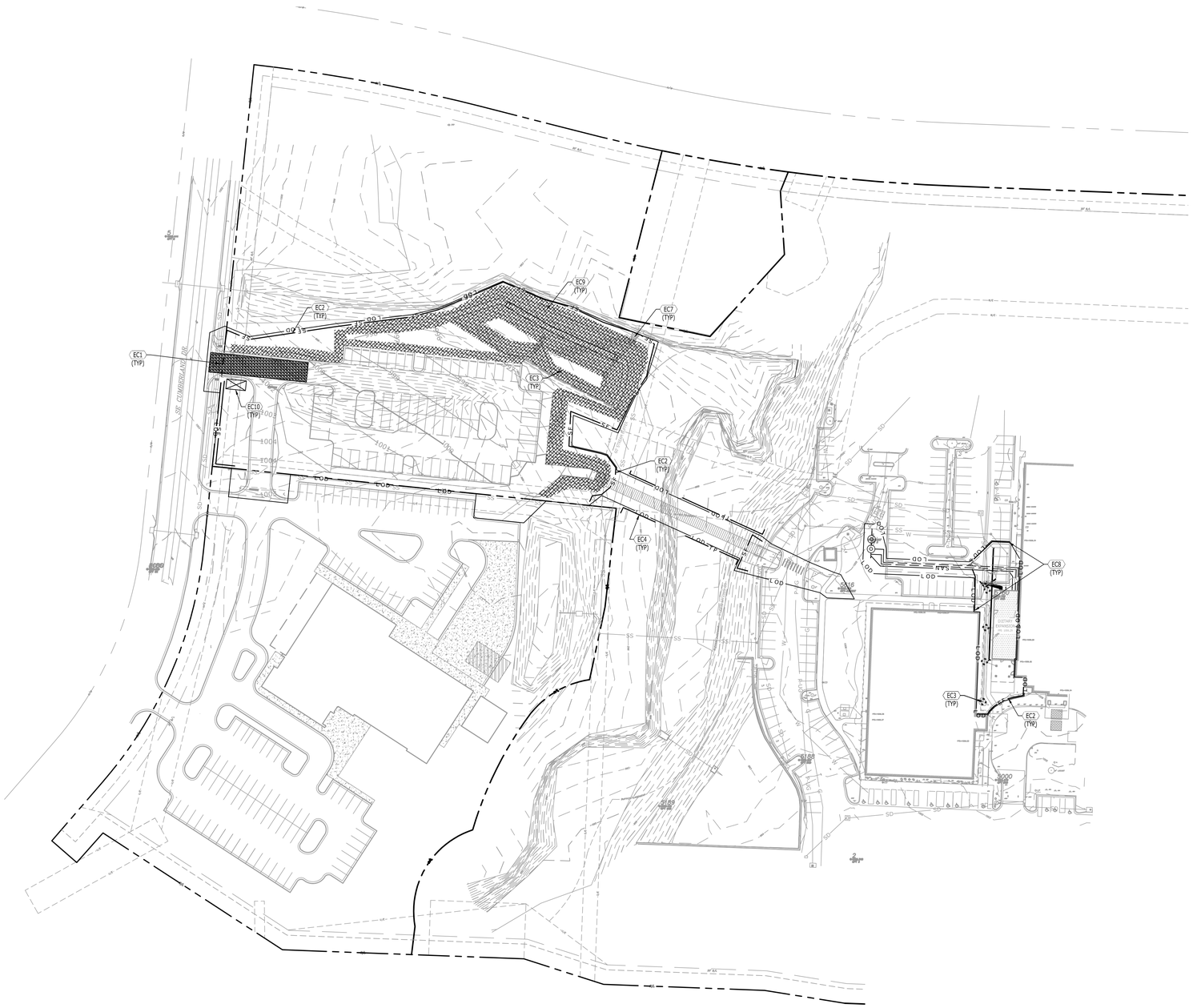

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N

0 25 50 100 150
GRAPHIC SCALE

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

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CONSTRUCTION DOCUMENTS
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JACKSON COUNTY

NO.	DATE	DESCRIPTION
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DRAWING TITLE
FINAL EROSION CONTROL PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C3.1

Devenney GROUP
Devenney Group Ltd., Architects
6900 East Camelback Road
Suite 500
Scottsdale, AZ 85251
T: 602.943.8950
www.devenneygroup.com

Consultant:

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STATE OF MISSOURI
JACK I. PARKER
NUMBER PE-2012040852
PROFESSIONAL ENGINEER
02/06/2025

INPATIENT BED EXPANSION

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AGENCY

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B	DESIGN COORDINATION	2025/02/06

DATE:	2024/12/05
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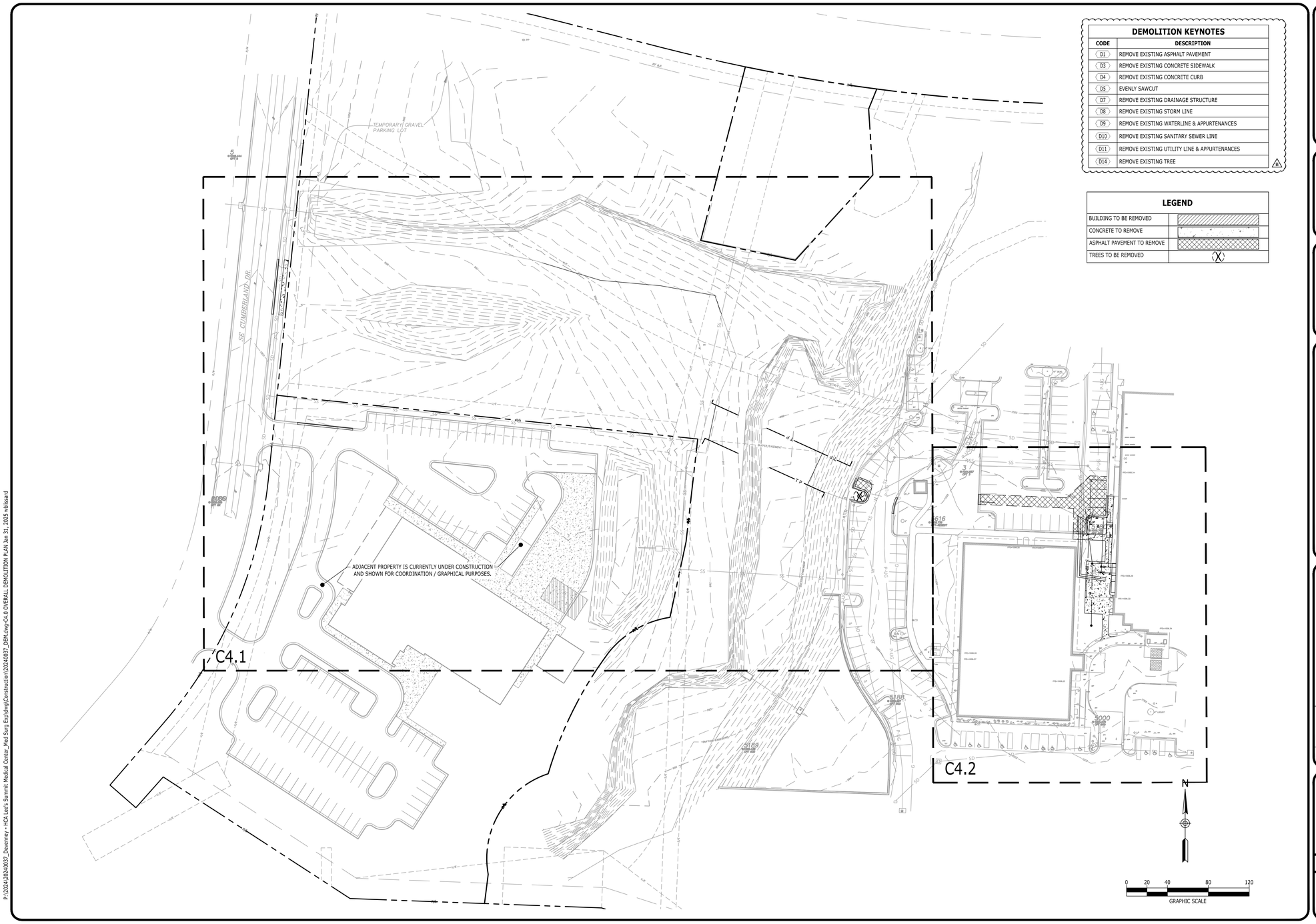
FINAL EROSION CONTROL PLAN

C3.1



DEMOLITION KEYNOTES

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

LEGEND

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

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

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

NO.	DATE	DESCRIPTION
1	2025/02/06	DESIGN COORDINATION

DRAWING TITLE
OVERALL DEMOLITION PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C4.0

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
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STATE OF MISSOURI
JACK T. PARKER
NUMBER
PE-2010040852
PROFESSIONAL ENGINEER
02/06/2025

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS

REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE:	2024/12/05
SCALE:	1:40
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

OVERALL
DEMOLITION PLAN

C4.0

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D14	REMOVE EXISTING TREE

LEGEND

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

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JACKSON COUNTY

NO.	DATE	DESCRIPTION
1	2025/02/06	DESIGN COORDINATION

DRAWING TITLE
DETAILED DEMOLITION PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C4.1

Devenney GROUP
Devenney Group Ltd., Architects
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JACK T. PARKER
NUMBER
PE-2010040852
PROFESSIONAL ENGINEER
01/06/2025

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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

DATE:	2024/12/05
SCALE:	1:30
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

DETAILED
DEMOLITION PLAN

C4.1

P:\20241\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_DEM.dwg-C4.1 DETAILED DEMOLITION PLAN Jan 31, 2025 wbissard

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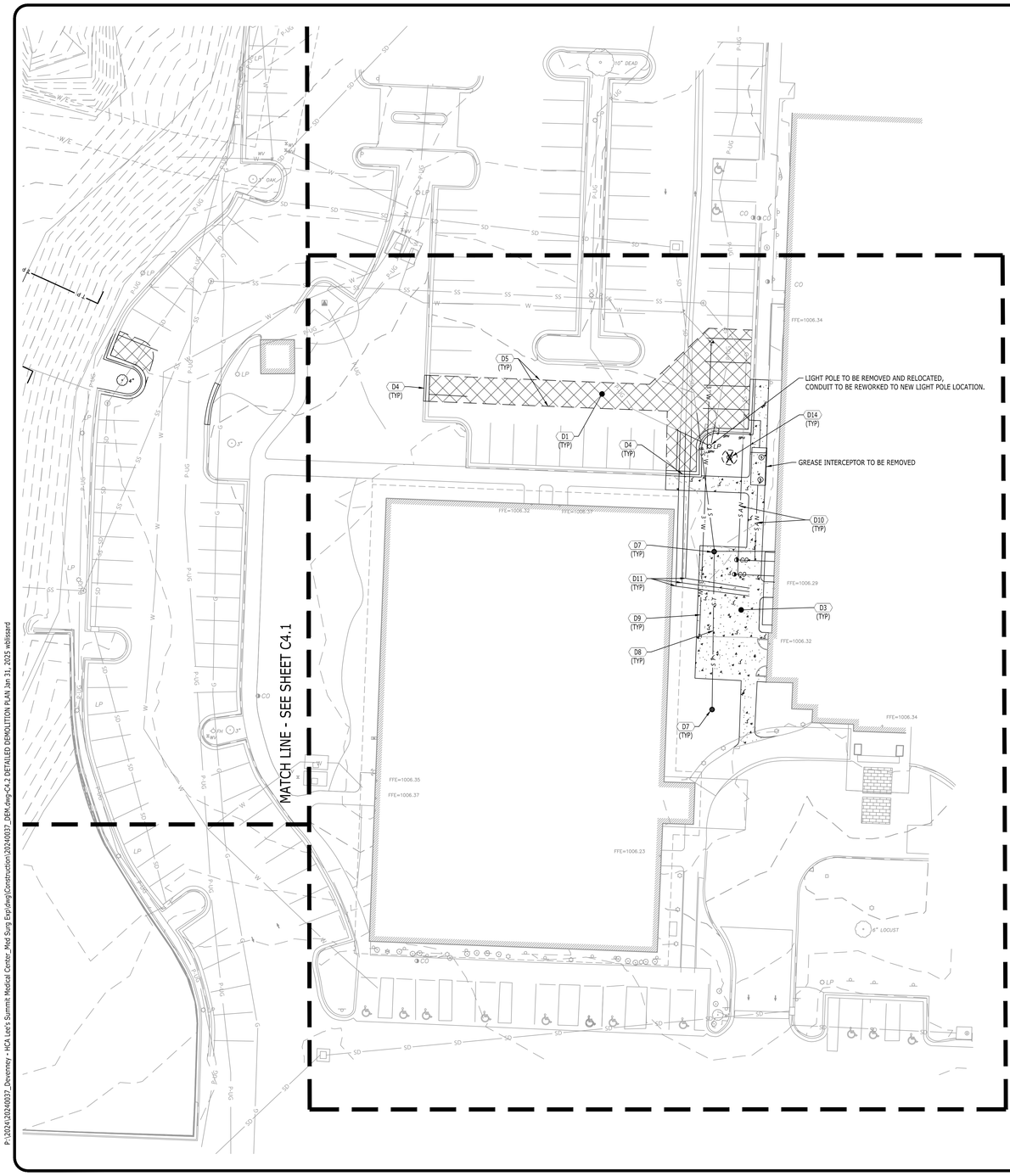

DEMOLITION KEYNOTES

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

LEGEND

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

N

0 10 20 40 60
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

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

NO.	DATE	DESCRIPTION
1	2025/02/06	DESIGN COORDINATION

DRAWING TITLE
DETAILED DEMOLITION PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C4.2

Devenney GROUP
Devenney Group Ltd., Architects
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Consultant:

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DETAILED DEMOLITION PLAN

C4.2

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P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_LAY.dwg-C5.0 OVERALL LAYOUT PLAN Jan 31, 2025 wblissard

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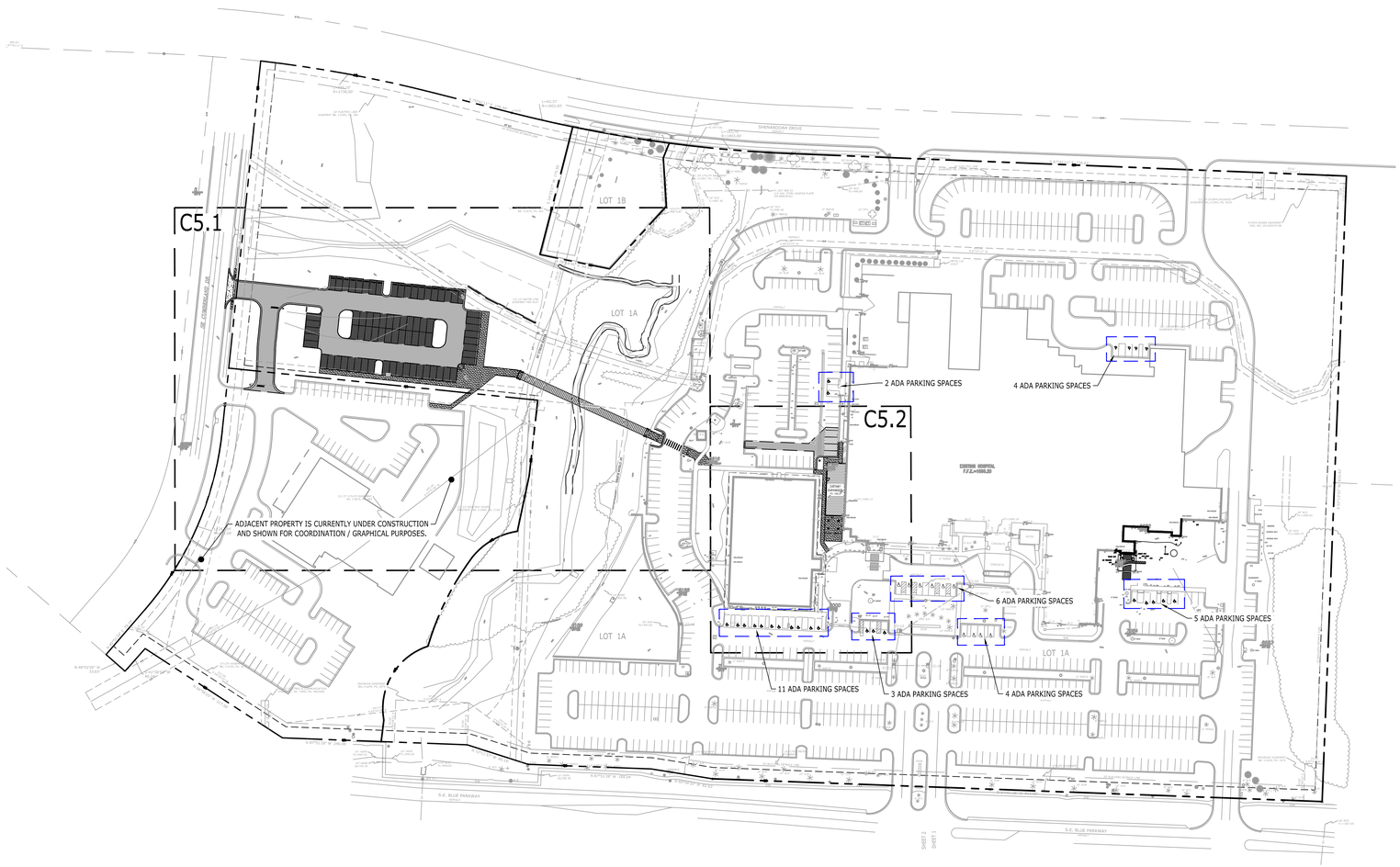
S4C	CONCRETE SIDEWALK AT CURB & GUTTER	3 / C8.0
S5	SIDEWALK JOINTS	6 / C8.0
S10	ACCESSIBLE RAMP	3 / C8.1
S14	BOLLARD	12 / C8.0
S15	PEDESTRIAN CROSSWALK SIGN	7 / C8.0
S16	STOP SIGN	4 / C8.0
S19	PEDESTRIAN CROSSWALK	7 / C8.0
S20	CONCRETE RETAINING WALL (WITH GUARDRAIL)	1 & 4 / C8.1
S21	CONCRETE WHEEL STOP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

B1



SITE DATA

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

IMPERVIOUS SURFACE AREA

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

PARKING SUMMARY

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

LEE'S SUMMIT MEDICAL CENTER

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

TOTAL PARKING REQUIRED:	
88 BEDS X 1.8 SPACES =	159 SPACES REQUIRED
(122,799 SF OF MOB'S / 1,000SF) X 5 =	614 SPACES REQUIRED
26 BEDS X 1.8 SPACES =	47 SPACES REQUIRED
TOTAL REQUIRED:	820 SPACES REQUIRED
EXISTING PARKING:	752 SPACES
PARKING PROVIDED:	
STANDARD PARKING:	795 SPACES
ADA PARKING:	35 SPACES
TOTAL PROVIDED PARKING:	825 SPACES

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

OWNER:	MIDWEST DIVISION LSH LLC
ADDRESS:	PO BOX 80610 INDIANAPOLIS, IN 46280
PROJECT REPRESENTATIVE:	CATALYST DESIGN GROUP
ADDRESS:	1524 WILLIAMS DRIVE MURFREESBORO, TN 37129
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 37.5 75 150 225
GRAPHIC SCALE

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

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PROJECT NUMBER
20240037

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C5.0

Devenney GROUP
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Consultant:

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STATE OF MISSOURI
JACK I. PARKER
NUMBER PE-2012040852
PROFESSIONAL ENGINEER
02/06/2025

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MISSOURI DHSS

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OVERALL LAYOUT PLAN

C5.0

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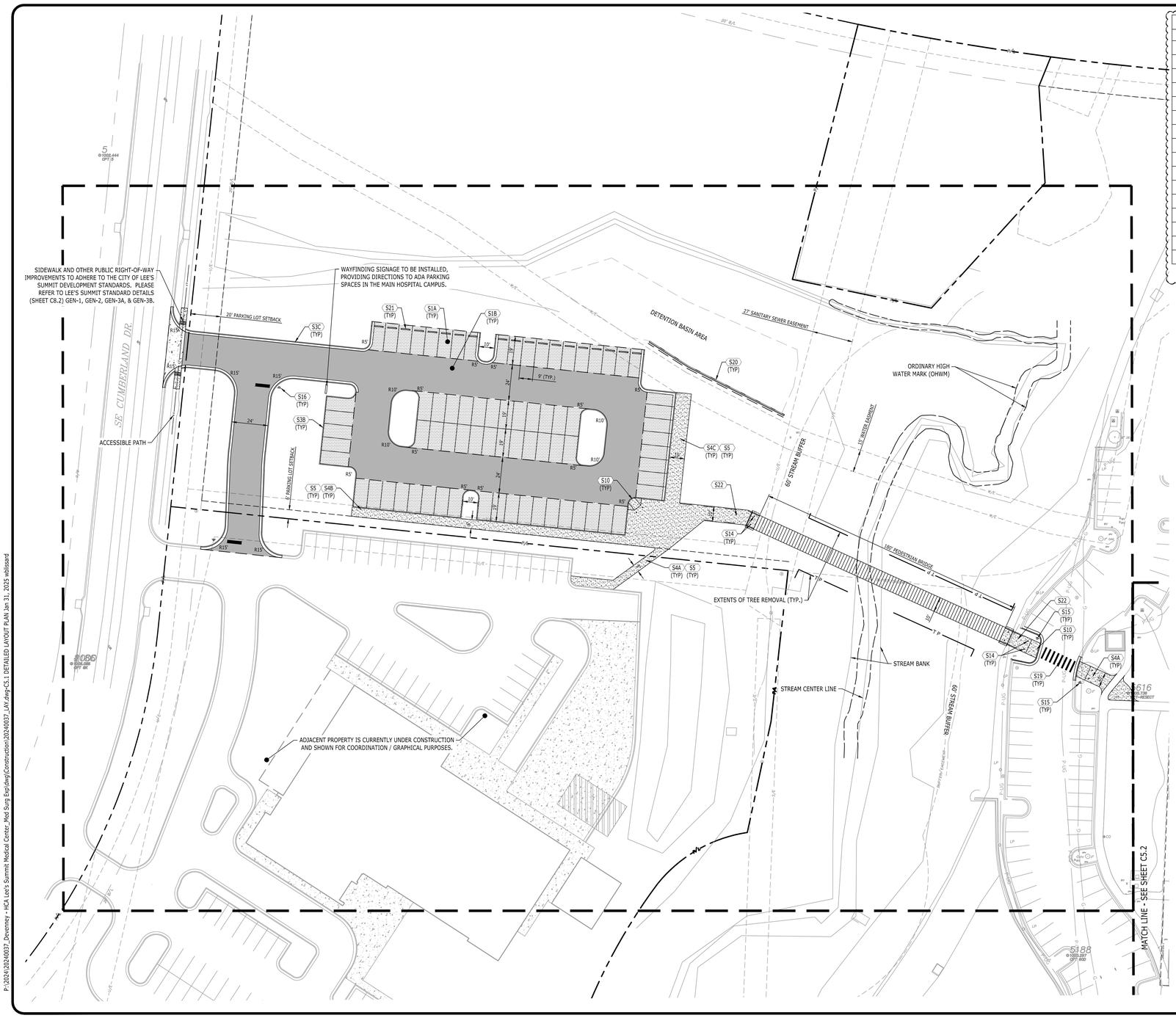

SITE LAYOUT KEYNOTES

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S3C	CONCRETE CURB & GUTTER	2 / C8.0
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S4B	CONCRETE SIDEWALK WITH TURN DOWN CURB	8 / C8.0
S4C	CONCRETE SIDEWALK AT CURB & GUTTER	3 / C8.0
S5	SIDEWALK JOINTS	6 / C8.0
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S15	PEDESTRIAN CROSSWALK SIGN	7 / C8.0
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S22	ELEVATED WALK (WITH GUARDRAIL)	2 & 3 / C8.2

LEGEND

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

Catalyst DESIGN GROUP
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816-282-5000

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

NO.	DATE	DESCRIPTION
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DRAWING TITLE
DETAILED LAYOUT PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C5.1

Devenney GROUP
Devenney Group Ltd., Architects
6900 East Camelback Road
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(615) 622-7200 | WWW.CATALYST-DG.COM

STATE OF MISSOURI
JACK T. PARKER
NUMBER PE-2010040852
PROFESSIONAL ENGINEER
02/06/2025

INPATIENT BED EXPANSION

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

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

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AGENCY APPROVALS:
AGENCY

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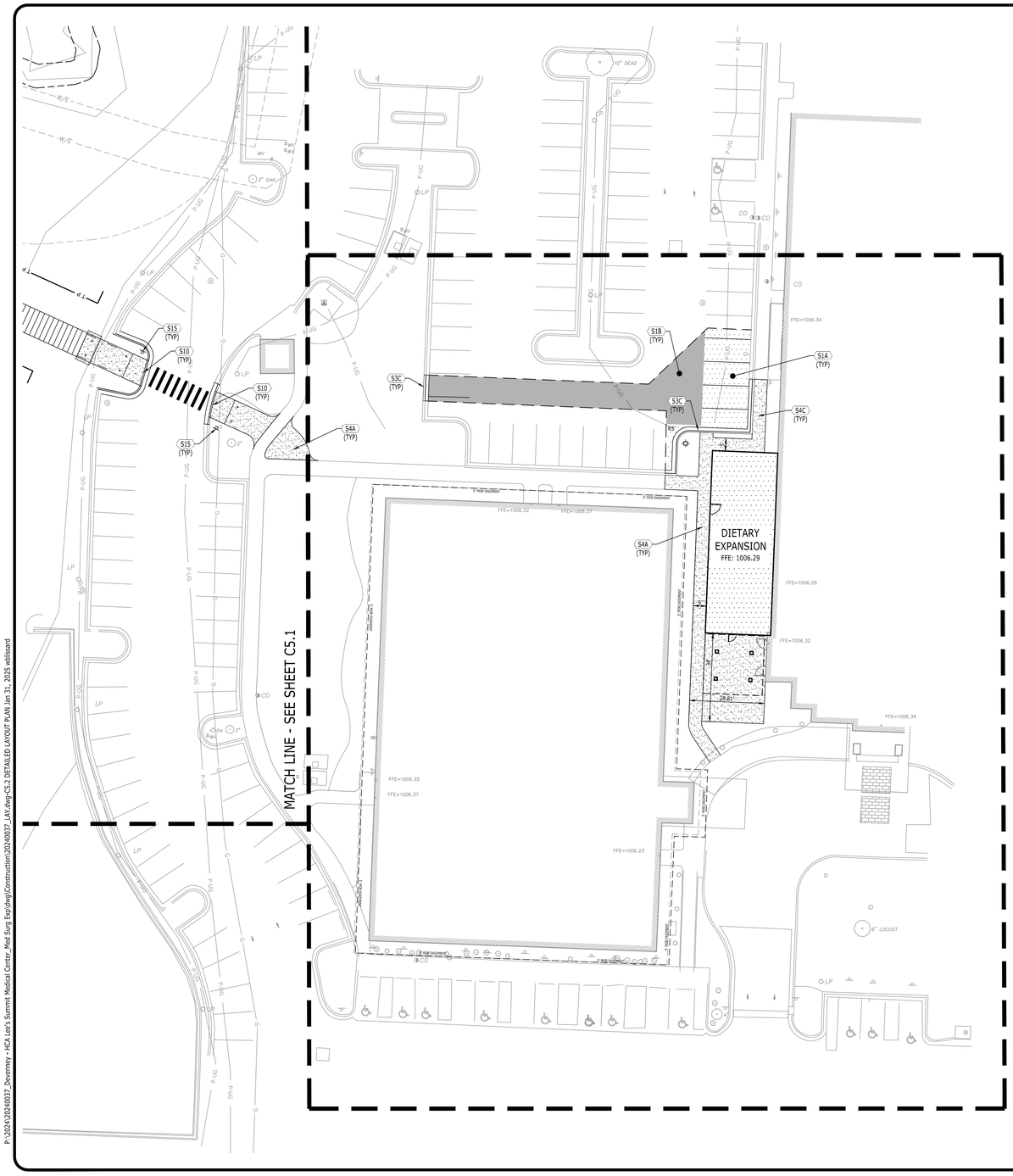

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LEGEND

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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DETAILED LAYOUT PLAN

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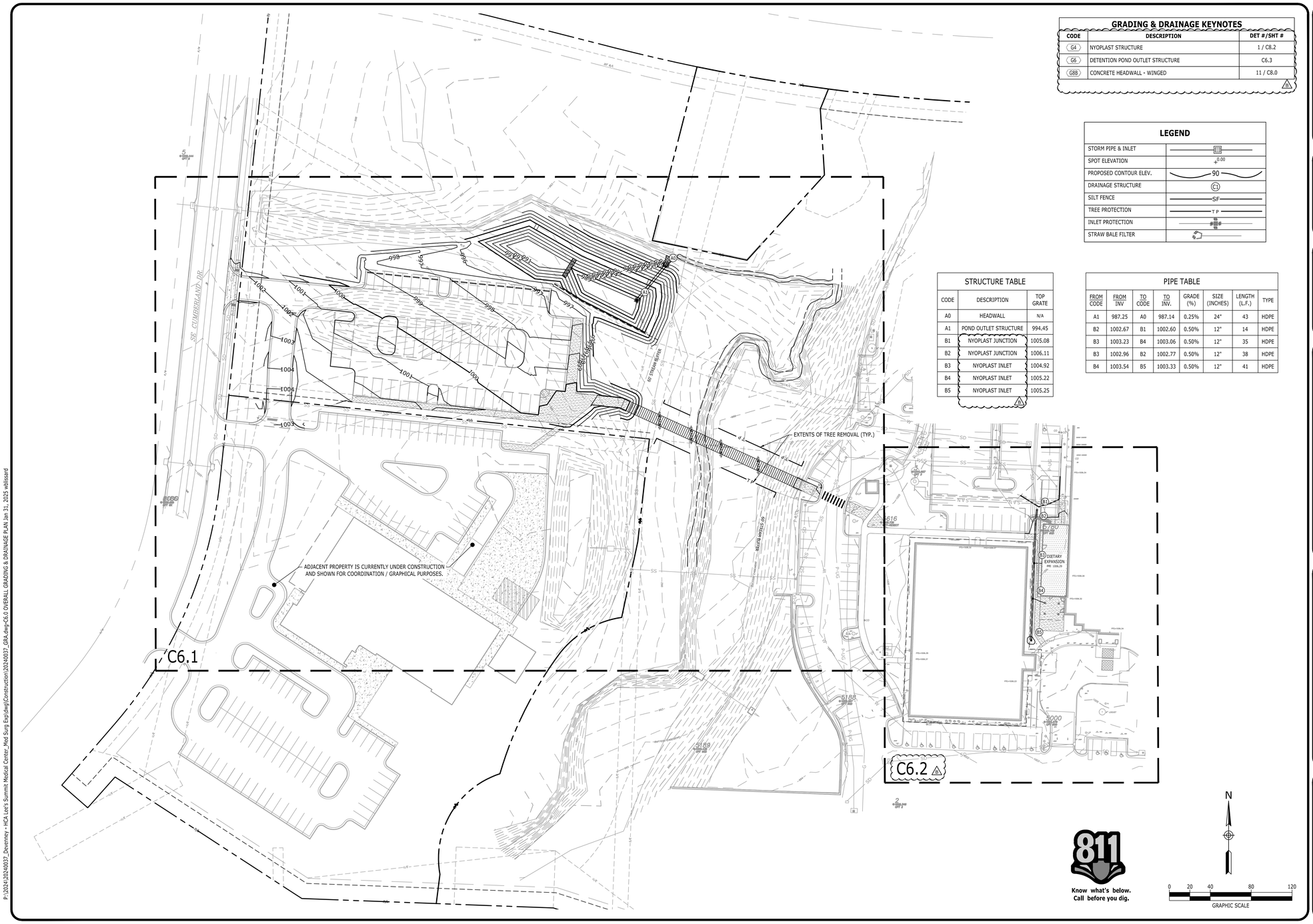

GRADING & DRAINAGE KEYNOTES

CODE	DESCRIPTION	DET #/SHT #
G4	NYOPLAST STRUCTURE	1 / C8.2
G6	DETENTION POND OUTLET STRUCTURE	C6.3
G88	CONCRETE HEADWALL - WINGED	11 / C8.0

LEGEND

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

STRUCTURE TABLE

CODE	DESCRIPTION	TOP GRATE
A0	HEADWALL	N/A
A1	POND OUTLET STRUCTURE	994.45
B1	NYOPLAST JUNCTION	1005.08
B2	NYOPLAST JUNCTION	1006.11
B3	NYOPLAST INLET	1004.92
B4	NYOPLAST INLET	1005.22
B5	NYOPLAST INLET	1005.25

PIPE TABLE

FROM CODE	FROM INV	TO CODE	TO INV.	GRADE (%)	SIZE (INCHES)	LENGTH (L.F.)	TYPE
A1	987.25	A0	987.14	0.25%	24"	43	HDPE
B2	1002.67	B1	1002.60	0.50%	12"	14	HDPE
B3	1003.23	B4	1003.06	0.50%	12"	35	HDPE
B3	1002.96	B2	1002.77	0.50%	12"	38	HDPE
B4	1003.54	B5	1003.33	0.50%	12"	41	HDPE

Know what's below. Call before you dig.

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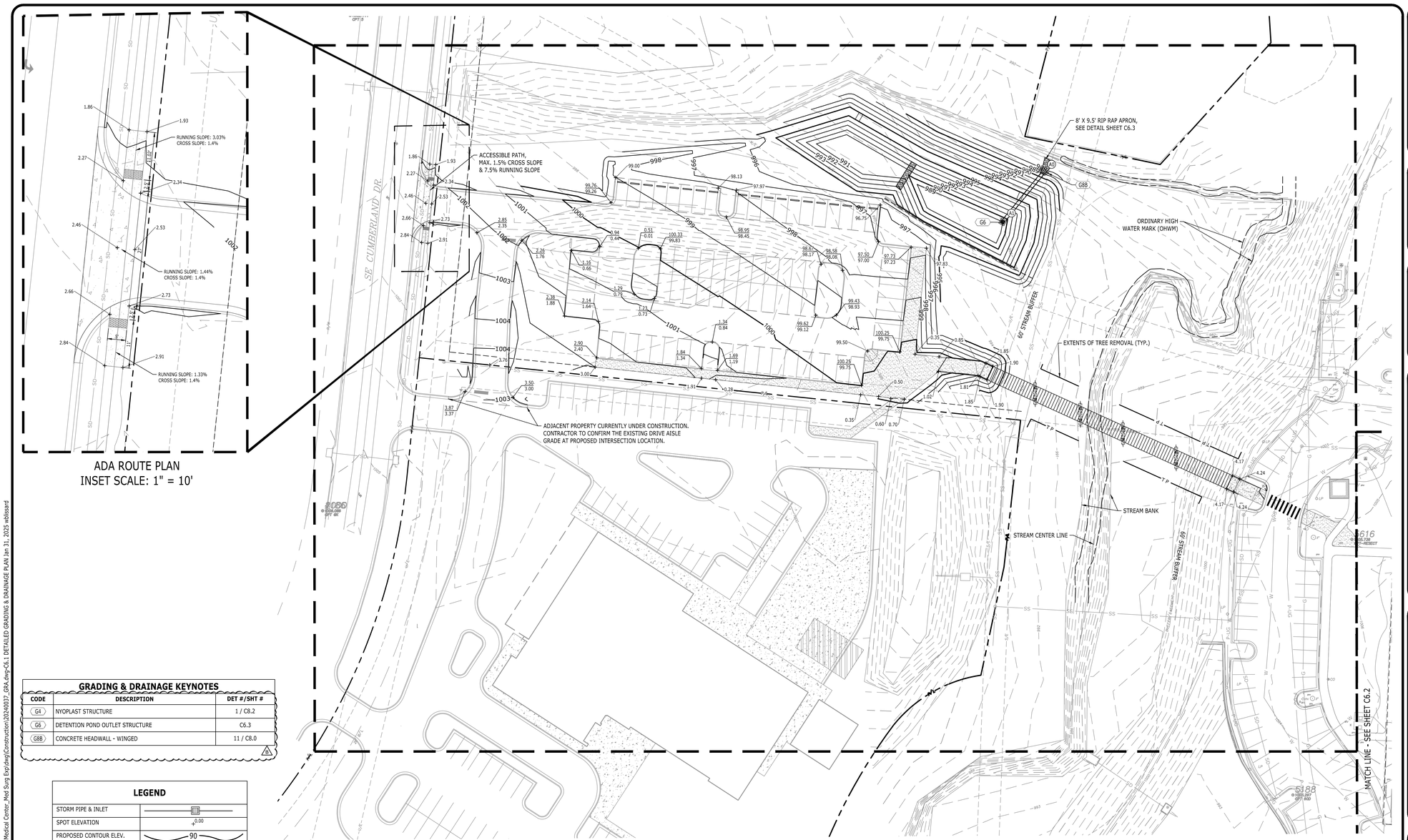

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G8B	CONCRETE HEADWALL - WINGED	11 / C8.0

LEGEND

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

Know what's below.
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0 15 30 60 90
GRAPHIC SCALE

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C6.1

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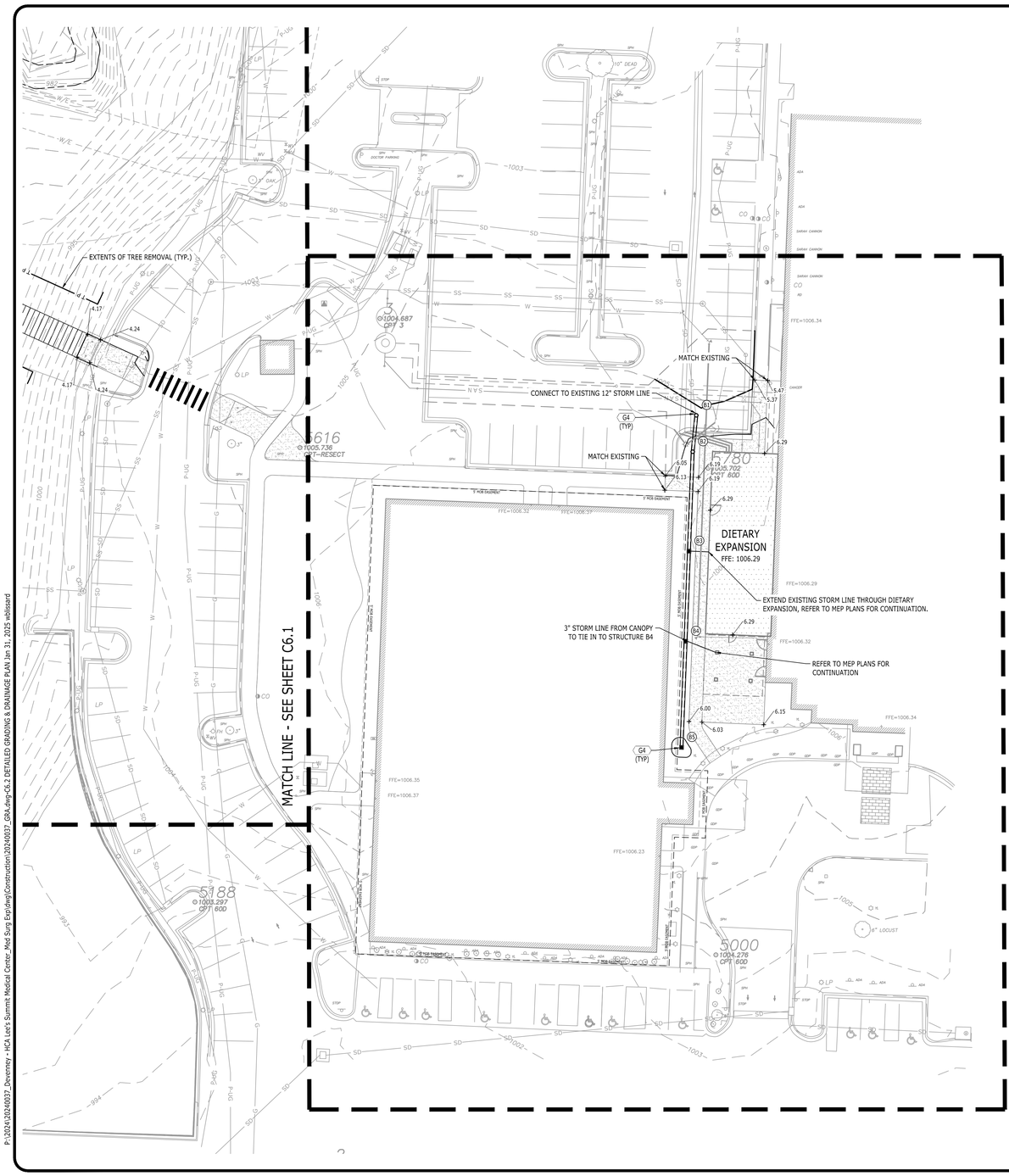

GRADING & DRAINAGE KEYNOTES

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

LEGEND

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

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816-282-5000

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

NO.	DATE	DESCRIPTION
1	2025/02/06	DESIGN COORDINATION

DRAWING TITLE
DETAILED GRADING & DRAINAGE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
C6.2

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STATE OF MISSOURI
JACK T. PARKER
NUMBER PE-2010040852
PROFESSIONAL ENGINEER
01/06/2025

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
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AGENCY APPROVALS:
AGENCY

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REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

DATE:	2024/12/05
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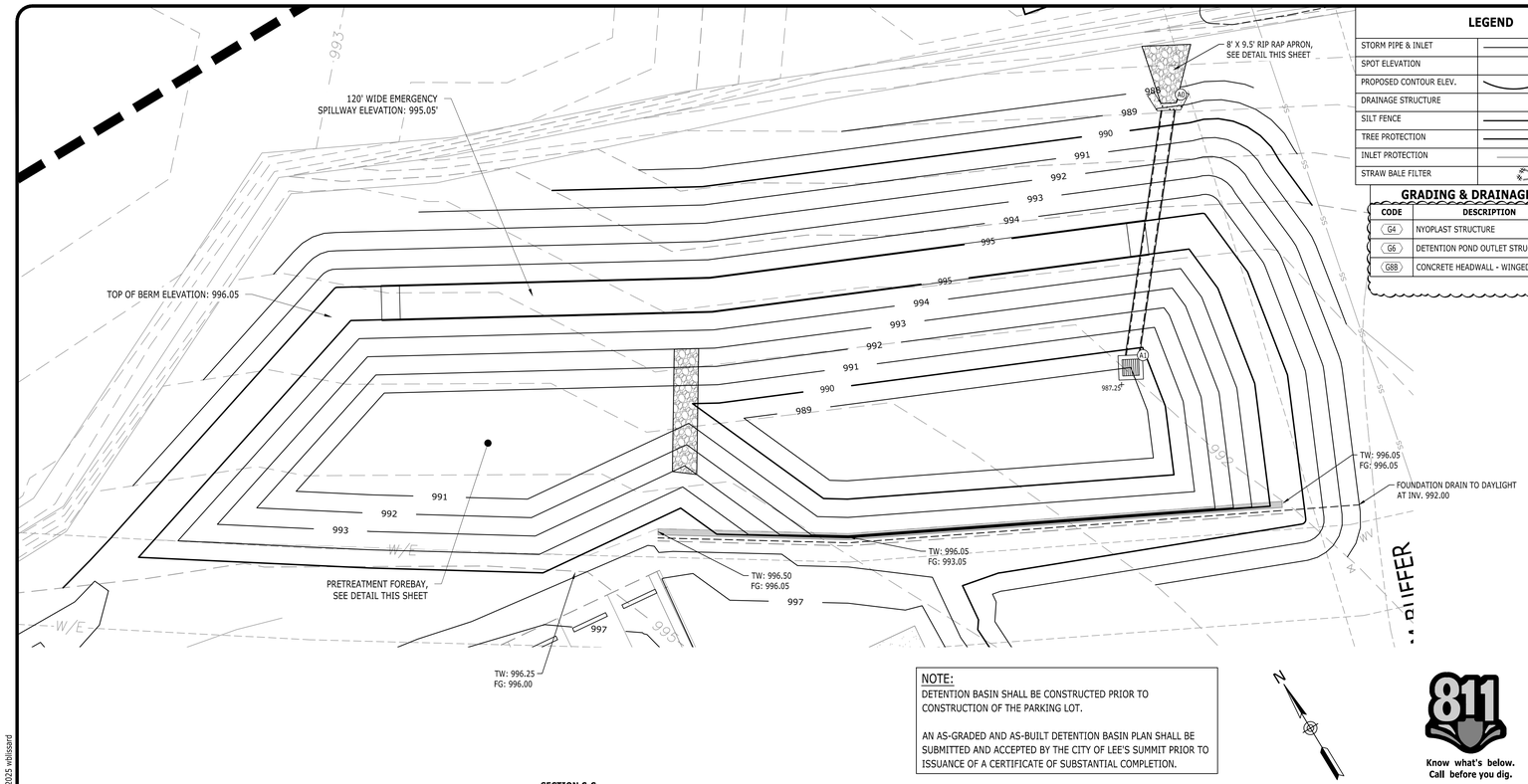
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

DETAILED GRADING & DRAINAGE PLAN

C6.2



LEGEND

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

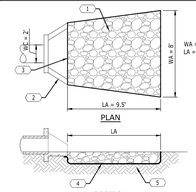
GRADING & DRAINAGE KEYNOTES

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

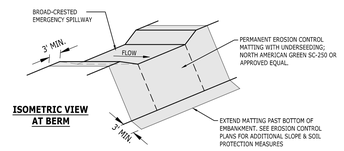
KEYNOTES

CODE	DESCRIPTION
1	RIP-RAP (D50 = 9") TO BE HAND-PLACED NATIVE LIMESTONE PLACED TO A MIN. DEPTH OF 1.5'.
2	CONCRETE HEADWALL
3	MATCH HEADWALL APRON WIDTH
4	FILTER FABRIC; MIRAFI 180N/BP 4553 OR AN APPROVED EQUIVALENT

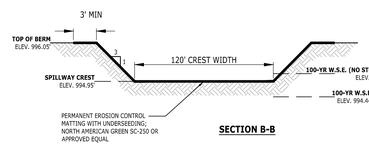
NOTE:
1. RIP-RAP STONE SHALL BE "FRACTURED FACED" WITH AT LEAST THREE DISTINCT SIDES. PROVIDE AND INSTALL IN ACCORDANCE WITH SECTION 2600 OF THE CURRENT EDITION OF APWA SPECIFICATIONS FOR STORM SEWER CONSTRUCTION.
2. d50 BY DEFINITION = 50 PERCENT OF THE STONE BY WEIGHT SHALL BE THE SIZE NOTED OR SMALLER.
3. THE CONTRACTOR SHALL UNIFORMLY DISTRIBUTE STONE SIZES THROUGHOUT THE RIP-RAP PAD.



RIP-RAP OUTLET PROTECTION
NOT TO SCALE



ISOMETRIC VIEW AT BERM



SECTION B-B

EMERGENCY SPILLWAY

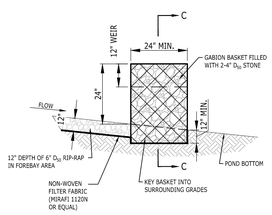
NOTE:
DETENTION BASIN SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTION OF THE PARKING LOT.

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

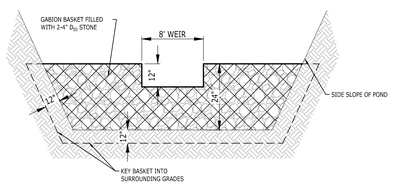
Know what's below. Call before you dig.

0 5 10 20 30
GRAPHIC SCALE

SECTION C-C



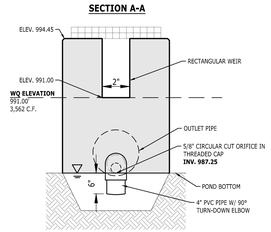
FOREBAY BERM

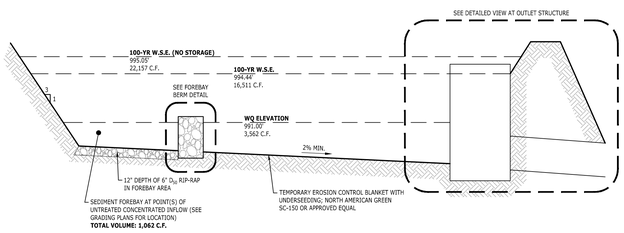


DETENTION POND NOTES

1. AREA OF EMBANKMENT, OUTLET STRUCTURE(S), AND DOWNSTREAM OF EMERGENCY SPILLWAY(S) SHALL BE CLEARED OF ALL TREES, VEGETATION, ROOTS, AND OTHER OBSTRUCTIONS. THE PONDING AREA OF THE IMPOUNDMENT (BELOW THE 100-YEAR W.S.E.) SHALL BE KEPT CLEAR OF TREES AND OVERGROWTH TO FACILITATE MAINTENANCE AND ACCESS.
2. EMBANKMENT MATERIALS SHALL BE SELECTED BY THE GEOTECHNICAL ENGINEER AND SHALL BE TESTED, INSTALLED, AND COMPACTED AT THEIR DIRECTION. EMBANKMENT MATERIAL SHALL BE FREE OF ROOTS, CONSTRUCTION WASTE, OR DECOMPOSABLE MATERIAL.
3. THE TOP OF BERM SHALL BE CONSTRUCTED 45% ABOVE THE DESIGN HEIGHT (AS A PERCENTAGE OF THE TOTAL HEIGHT OF THE IMPOUNDMENT) TO ALLOW FOR SETTLEMENT, AND SHOULD BE PROPERLY COMPACTED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
4. THE EMBANKMENT & POND SHALL BE STABILIZED UPON COMPLETION OF THE SURROUNDING EARTHWORK WITH SOD, SEED/STRAW, MATTING, OR OTHER PLANTINGS AS REFLECTED IN THESE PLANS AND THE LANDSCAPE ARCHITECTURAL DOCUMENTS.

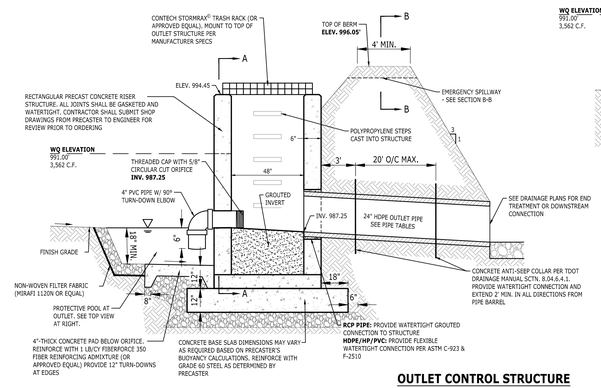
SECTION A-A



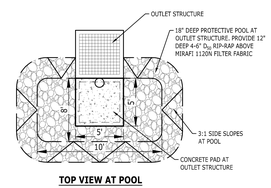


GENERIC BASIN SECTION VIEW

DRY DETENTION POND
NOT TO SCALE



OUTLET CONTROL STRUCTURE



TOP VIEW AT POOL

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STATE OF MISSOURI
JACK I. PARKER
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PROFESSIONAL ENGINEER
07/06/2025

INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
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MISSOURI DHSS

FACILITY NUMBER:
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DETENTION BASIN DETAILS

C6.3

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DETENTION BASIN DETAILS

PROJECT NUMBER
20240037

DRAWING NUMBER
C6.3

DETENTION BASIN DETAILS

C6.3

GRADING & DRAINAGE KEYNOTES

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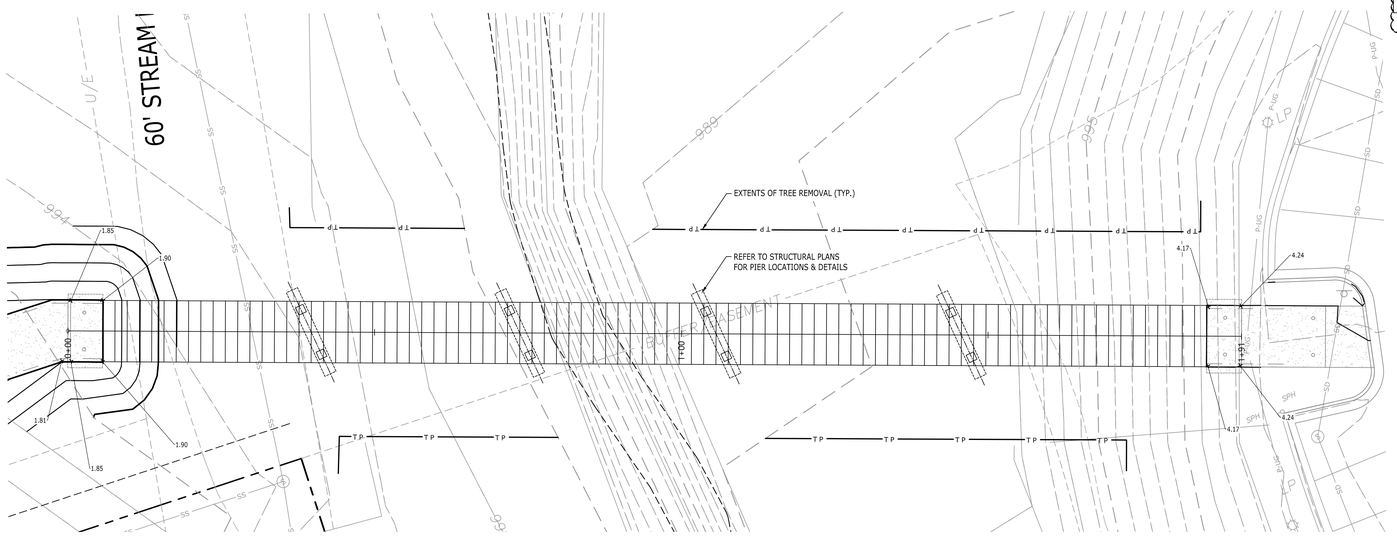
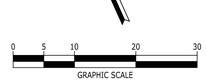
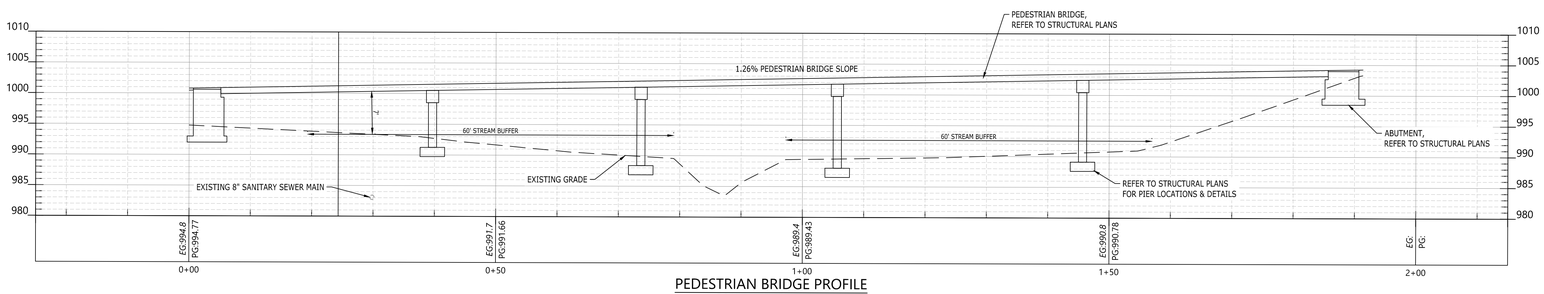
G6	DETENTION POND OUTLET STRUCTURE	C6.3
G88	CONCRETE HEADWALL - WINGED	11 / C8.0

LEGEND

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







PEDESTRIAN BRIDGE PROFILE

SCALE H:1"=20'; V:1"=20'

811

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JACKSON COUNTY

NO.	DATE	DESCRIPTION
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DRAWING TITLE
PEDESTRIAN BRIDGE
PLAN & PROFILE

PROJECT NUMBER
20240037

DRAWING NUMBER
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STATE OF MISSOURI
JACK T. PARKER
NUMBER
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PROFESSIONAL ENGINEER
02/06/2025

INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
MEDICAL CENTER
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AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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B	DESIGN COORDINATION	2025/02/06

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JOB NUMBER:	6406.24

PEDESTRIAN BRIDGE
PLAN & PROFILE

C6.4

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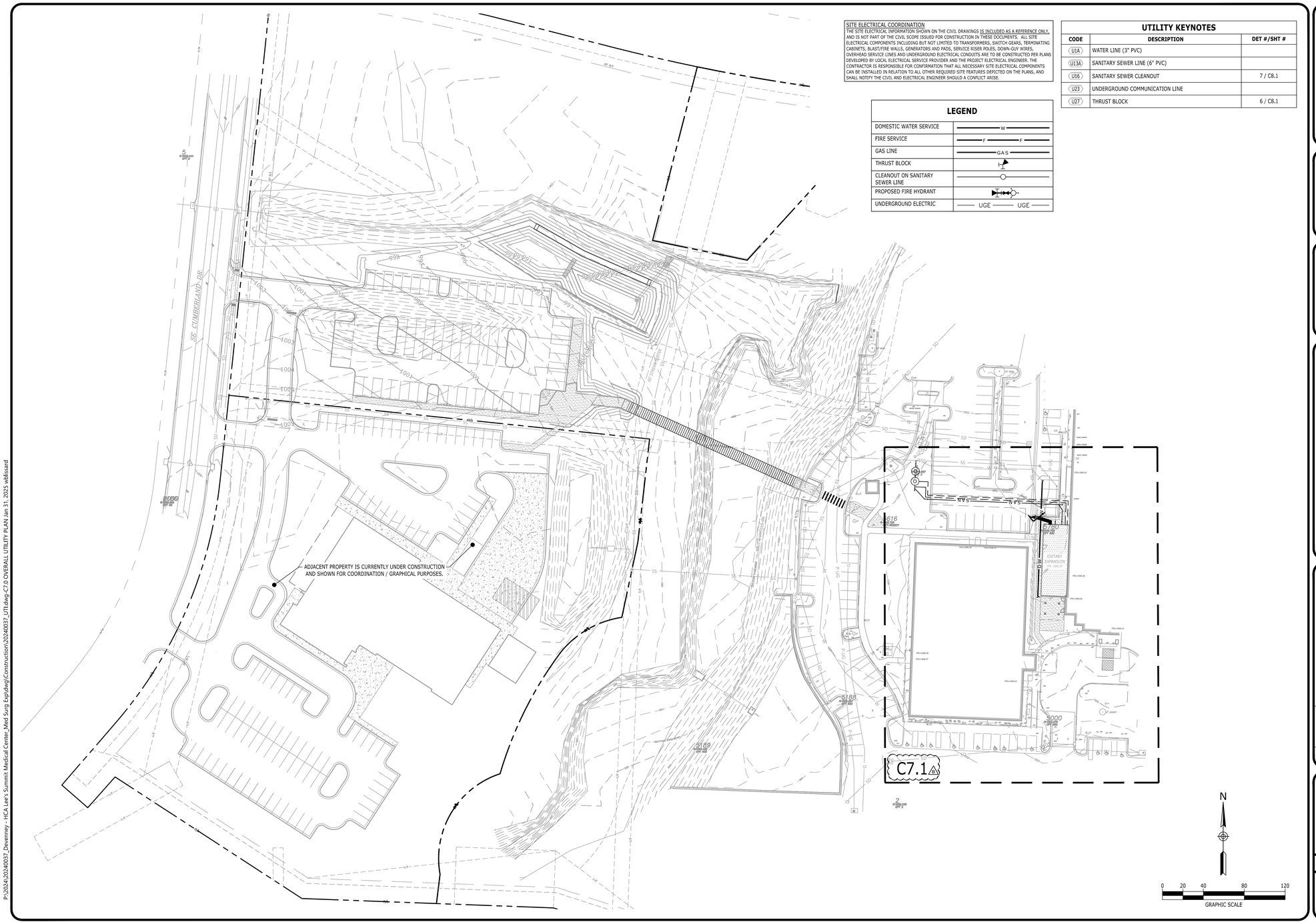

SITE ELECTRICAL COORDINATION

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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 (6" PVC)	
U16	SANITARY SEWER CLEANOUT	7 / C8.1
U23	UNDERGROUND COMMUNICATION LINE	
U27	THRUST BLOCK	6 / C8.1

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MISSOURI DHSS

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OVERALL UTILITY PLAN

C7.0

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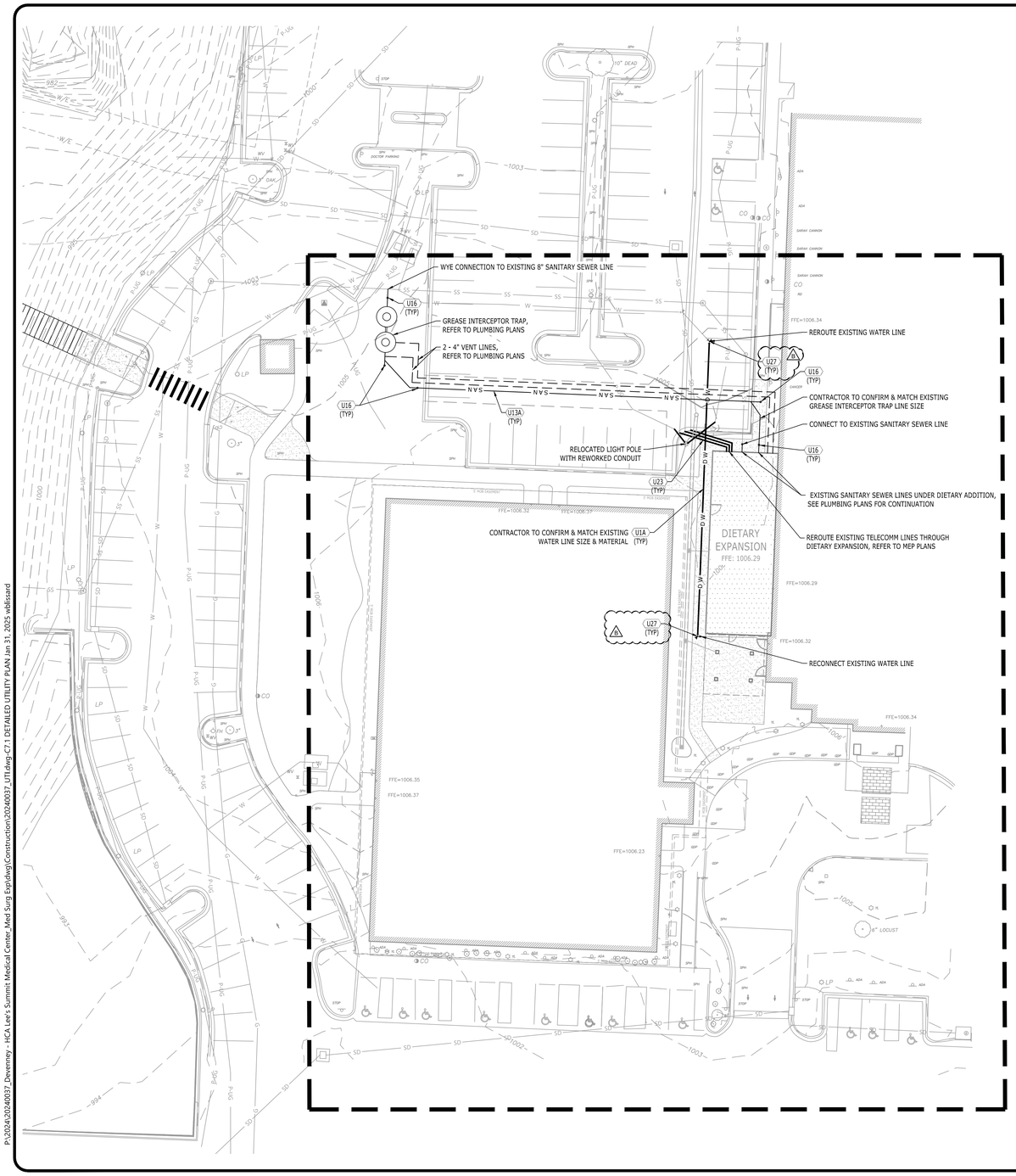

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THRUST BLOCK	
CLEANOUT ON SANITARY SEWER LINE	
PROPOSED FIRE HYDRANT	
UNDERGROUND ELECTRIC	UGE UGE

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U27	THRUST BLOCK	6 / C8.1

N

0 10 20 40 60

GRAPHIC SCALE

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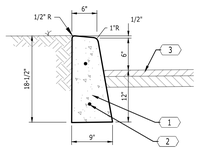
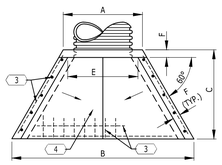


KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE; 3500 PSI
2	NO. 4 BAR, CONTINUOUS; (2 TYP.)
3	FINISHED PAVEMENT GRADE

10 CONCRETE POST CURB

NOT TO SCALE

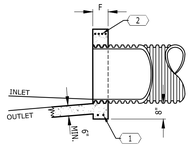
KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE REINFORCEMENT; TWO, NO. 2 BARS
2	CONCRETE REINFORCEMENT; FOUR, NO. 4 BARS
3	CONCRETE REINFORCEMENT; NO. 4 BARS AT 12" O.C. EACH WAY IN FLOOR AND WALLS
4	SLOPE APRON TO DRAIN
	NOTE: CHAMFER ON ALL EXPOSED EDGES 1"



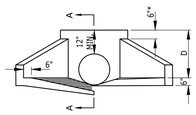
PLAN

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"	L
WT. (LB)	1090	3130	5625	8575

* 0" ON 4' WINGED HEADWALL



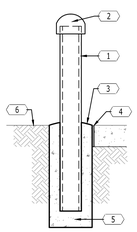
SECTION A-A



ELEVATION

11 WINGED HEADWALL

NOT TO SCALE



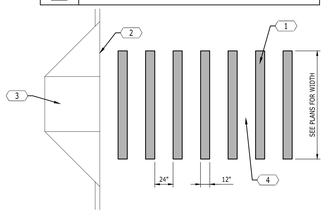
KEYNOTES	
CODE	DESCRIPTION
2	PREFABRICATED CAP
1	6"ϕ X 6'-8" STEEL PIPE BOLLARD FILLED WITH CONCRETE. PRIME WITH SUITABLE PRIMER AND PAINT IN A COLOR TO BE SELECTED BY THE ARCHITECT.
3	1" CROWN
4	1/2" EXPANSION JOINT MATERIAL, AASHTO M-33, WHERE PLACED IN A RIGID PAVEMENT AREA.
5	3500 PSI CONCRETE
6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

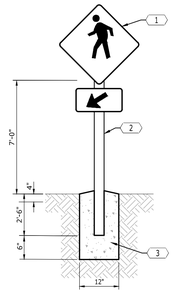
12 STEEL BOLLARD WITH CAP

NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	PEDESTRIAN CROSSWALK SIGN (30" X 30")
2	2" SQUARE GALVANIZED STEEL TUBE. PROVIDE WELDED CAP AT TOP AND GRIND WELDS SMOOTH.
3	CONCRETE FOOTING
	NOTE: SIGN SHALL BE LOCATED 3' FROM THE EDGE OF THE PAVEMENT UNLESS SUCH PLACEMENT WOULD OBSTRUCT THE SIDEWALK.

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



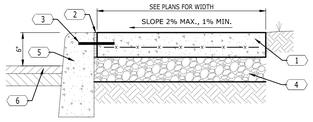


7 PEDESTRIAN CROSSWALK

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

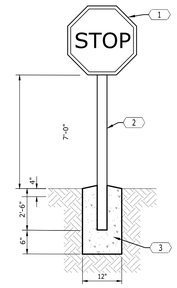
NOTES:
1. USE 3500 PSI CONCRETE AND ASTM GRADE 60 STEEL.
2. PROVIDE CONTROL JOINTS 5' APART AND EXPANSION JOINTS 25' APART AND WHERE SIDEWALK ABUTS RIGID MATERIAL.



8 SIDEWALK AT POST CURB

NOT TO SCALE

KEYNOTES	
CODE	DESCRIPTION
1	STOP SIGN (24" X 24")
2	2" SQUARE GALVANIZED STEEL TUBE. PROVIDE WELDED CAP AT TOP AND GRIND WELDS SMOOTH.
3	CONCRETE FOOTING
	NOTE: SIGN SHALL BE LOCATED 3' FROM THE EDGE OF THE PAVEMENT UNLESS SUCH PLACEMENT WOULD OBSTRUCT THE SIDEWALK.

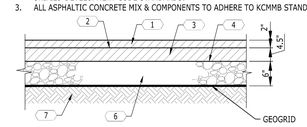


4 STOP SIGN

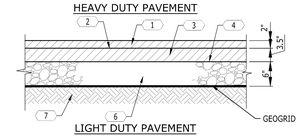
NOT TO SCALE

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. PAVEMENT DEPTHS TO MATCH AND COMPLY WITH THE CITY OF LEE'S SUMMIT UNIFIED DEVELOPMENT CODE STANDARDS.
3. ALL ASPHALTIC CONCRETE MIX & COMPONENTS TO ADHERE TO KCMMB STANDARDS



HEAVY DUTY PAVEMENT



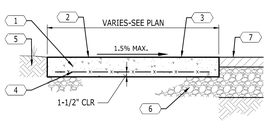
LIGHT DUTY PAVEMENT

1 ASPHALT PAVEMENT

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"xW2.9x22.9 W.W.F.; GRADE 60 STEEL
5	TOPSOIL; PLACE WITHIN $\frac{1}{2}$" OF WALKWAY SURFACE
6	4" MINERAL AGGREGATE BASE
7	ASPHALT PAVEMENT (REFER TO DETAIL)

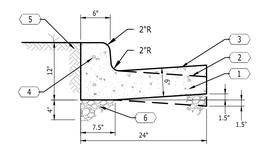
NOTE: SIDEWALKS TO HAVE A MAXIMUM LONGITUDINAL SLOPE OF 7.5%.



5 CONCRETE SIDEWALK

NOT TO SCALE

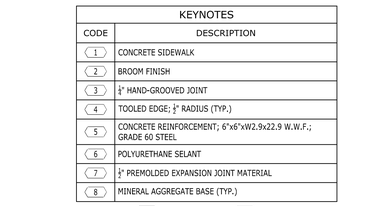
KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE; 3500 PSI
2	SPILL CURB
3	CATCH CURB; TRANSITION FROM CATCH TO SPILL CURB OVER 10' LENGTH (TYP.)
4	CONCRETE REINFORCEMENT; NO. 4 BAR, CONTINUOUS (3 TYP.)
5	BACKFILL BEHIND CURB
6	4" MINERAL AGGREGATE BASE



2 CONCRETE CURB AND GUTTER

NOT TO SCALE

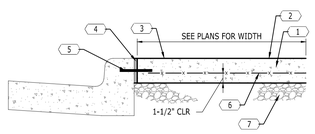
KEYNOTES	
CODE	DESCRIPTION
1	CONCRETE SIDEWALK; 4" THICK; 3500 PSI CONCRETE; SLOPE 2% MAX., 1% MIN.: 8" CONCRETE THICKNESS WHERE HS-20-44 LOADING IS REQUIRED (SEE PLANS)
2	BROOM FINISH
3	CONTROL JOINTS 5' O.C.; EXPANSION JOINTS 25' O.C. AND WHERE SIDEWALKS ABT RIGID MATERIALS
4	$\frac{1}{2}$" EXPANSION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



CONTROL JOINT EXPANSION JOINT

6 SIDEWALK JOINTS

NOT TO SCALE



3 CONCRETE SIDEWALK AT CURB AND GUTTER

NOT TO SCALE

9 RESERVED

NOT TO SCALE

Devenney GROUP

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Scottsdale, AZ 85251

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Consultant:

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

STATE OF MISSOURI
JACK T. PARKER
NUMBER
PE-2010040852
PROFESSIONAL ENGINEER
01/06/2025

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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

DATE:	2024/12/05
SCALE:	
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

SITE DETAILS

C8.0

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

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

NO.	DATE	DESCRIPTION
1	2025/02/06	DESIGN COORDINATION

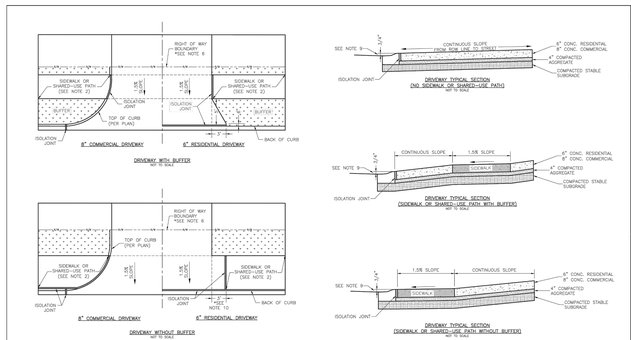
DRAWING TITLE
SITE DETAILS

PROJECT NUMBER
20240037

DRAWING NUMBER
C8.0

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_DET.dwg-C8.0 SITE DETAILS Jan 31, 2025 webissard

6/10/2024 5:05:24 PM Autodesk Docs://6406.24.0001 - HCA - LSMC MedSurg Expansion_rvt23/6406.24.0001 HCA - LSMC Med Surge Expansion.rvt



GENERAL NOTES

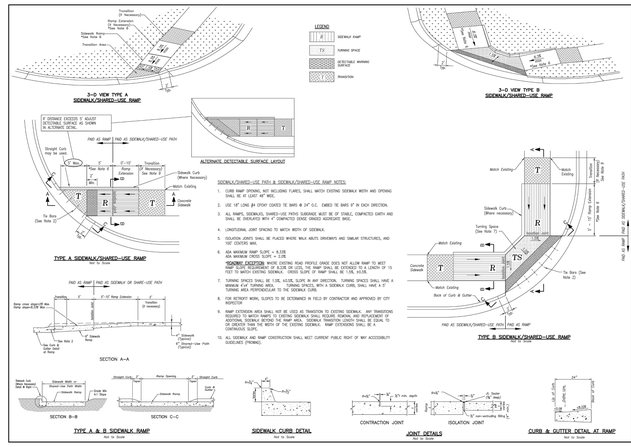
1. SUBGRADE SHALL BE STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
2. ALL DRIVE APPROACHES SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) FOR SLOPE REQUIREMENTS WHEN SIDEWALK IS REQUIRED (SEE ADA RAMP RETROFIT DETAIL GEN-3B, SIDEWALK/SHARED USE PATH RAMP AT DRIVEWAY DETAIL).
3. JOINT AT BACK OF CURB LINE SHALL BE AN ISOLATION JOINT FOR RESIDENTIAL DRIVEWAYS.
4. RESIDENTIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, SHALL BE 6" THICK.
5. COMMERCIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, SHALL BE KCMMB 4K CONCRETE MIX.
6. RESIDENTIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, KCMMB 4K CONCRETE MIX IS RECOMMENDED. OTHER CONCRETE MIXES MAY BE USED WITH CITY ENGINEER APPROVAL.
7. A JOINT MUST BE INSTALLED AT THE RIGHT OF WAY BOUNDARY FOR PROPERTY DELINEATION.
8. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
9. ALL EXPOSED EDGES SHALL BE FINISHED WITH A MINIMUM 1/2" RADIUS EDGER. DO NOT MAINTAIN ORIGINAL FLOWLINE OF CURB.
10. SIDEWALK ADJOINING CURB SHALL BE 4" THICK, EXTENDING 2' FROM THE DRIVEWAY.
11. THE MAXIMUM WIDTH OF A RESIDENTIAL DRIVEWAY IS 36 FEET WITHIN THE RIGHT OF WAY.

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT / JACKSON COUNTY, MO
DRIVEWAY DETAIL

LS LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

Date: 08/2023
Drawn By: MJF
Checked By: DL
Revision No. 1
Date: 06/2024
Title: 8

GEN-1



SIDEWALK/SHARED-USE PATH & SIDEWALK/SHARED-USE RAMP NOTES

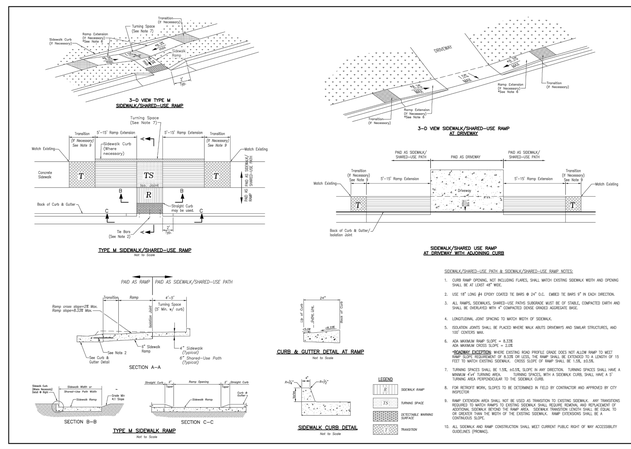
1. CURB RAMP OPENING, NOT INCLUDING FLARES, SHALL MATCH EXISTING SIDEWALK WIDTH AND OPENING SHALL BE AT LEAST 48" WIDE.
2. USE 1/2" (.2ML) @4 EPOXY COATED TIE BARS @ 24" O.C. EMBED TIE BARS 6" IN EACH DIRECTION.
3. ALL RAMPS, SIDEWALKS, SHARED-USE PATHS SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
4. LONGITUDINAL JOINT SPACING TO MATCH WIDTH OF SIDEWALK.
5. ISOLATION JOINTS SHALL BE PLACED WHERE WALK ABUTS DRIVEWAYS AND SIMILAR STRUCTURES, AND 100' CENTERS MAX.
6. ADA MAXIMUM RAMP SLOPE = 8.33%
   ADA MAXIMUM CROSS SLOPE = 2.0%
   ***ROUNDING EXCEPTION:** WHERE EXISTING ROAD PROFILE GRADE DOES NOT ALLOW RAMP TO MEET RAMP SLOPE REQUIREMENT OF 8.33% OR LESS, THE RAMP SHALL BE EXTENDED TO A LENGTH OF 15 FEET TO MATCH EXISTING SIDEWALK. CROSS SLOPE OF RAMP SHALL BE 2.0%, ±0.5%.
7. TURNING SPACES SHALL BE 5.0ft, ±0.5ft, SLOPE IN ANY DIRECTION. TURNING SPACES SHALL HAVE A MINIMUM 4'x4' TURNING AREA. TURNING SPACES, WITH A SIDEWALK CURB, SHALL HAVE A 5' TURNING AREA PERPENDICULAR TO THE SIDEWALK CURB.
8. FOR RETROFIT WORK, SLOPES TO BE DETERMINED IN FIELD BY CONTRACTOR AND APPROVED BY CITY INSPECTOR
9. RAMP EXTENSION AREA SHALL NOT BE USED AS TRANSITION TO EXISTING SIDEWALK. ANY TRANSITIONS REQUIRED TO MATCH RAMPS TO EXISTING SIDEWALK SHALL REQUIRE REMOVAL AND REPLACEMENT OF ADDITIONAL SIDEWALK BEYOND THE RAMP AREA. SIDEWALK TRANSITION LENGTH SHALL BE EQUAL TO SIDEWALK WIDTH OR THE WIDTH OF THE EXISTING SIDEWALK. RAMP EXTENSIONS SHALL BE A CONTINUOUS SLOPE.
10. ALL SIDEWALK AND RAMP CONSTRUCTION SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT / JACKSON COUNTY, MO
ADA RAMP RETROFIT DETAIL

LS LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

Date: 08/2023
Drawn By: MJF
Checked By: DL
Revision No. 1
Date: 06/2024
Title: 8

GEN-3A



SIDEWALK/SHARED-USE PATH & SIDEWALK/SHARED-USE RAMP NOTES

1. CURB RAMP OPENING, NOT INCLUDING FLARES, SHALL MATCH EXISTING SIDEWALK WIDTH AND OPENING SHALL BE AT LEAST 48" WIDE.
2. USE 1/2" (.2ML) @4 EPOXY COATED TIE BARS @ 24" O.C. EMBED TIE BARS 6" IN EACH DIRECTION.
3. ALL RAMPS, SIDEWALKS, SHARED-USE PATHS SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
4. LONGITUDINAL JOINT SPACING TO MATCH WIDTH OF SIDEWALK.
5. ISOLATION JOINTS SHALL BE PLACED WHERE WALK ABUTS DRIVEWAYS AND SIMILAR STRUCTURES, AND 100' CENTERS MAX.
6. ADA MAXIMUM RAMP SLOPE = 8.33%
   ADA MAXIMUM CROSS SLOPE = 2.0%
   ***ROUNDING EXCEPTION:** WHERE EXISTING ROAD PROFILE GRADE DOES NOT ALLOW RAMP TO MEET RAMP SLOPE REQUIREMENT OF 8.33% OR LESS, THE RAMP SHALL BE EXTENDED TO A LENGTH OF 15 FEET TO MATCH EXISTING SIDEWALK. CROSS SLOPE OF RAMP SHALL BE 2.0%, ±0.5%.
7. TURNING SPACES SHALL BE 5.0ft, ±0.5ft, SLOPE IN ANY DIRECTION. TURNING SPACES SHALL HAVE A MINIMUM 4'x4' TURNING AREA. TURNING SPACES, WITH A SIDEWALK CURB, SHALL HAVE A 5' TURNING AREA PERPENDICULAR TO THE SIDEWALK CURB.
8. FOR RETROFIT WORK, SLOPES TO BE DETERMINED IN FIELD BY CONTRACTOR AND APPROVED BY CITY INSPECTOR
9. RAMP EXTENSION AREA SHALL NOT BE USED AS TRANSITION TO EXISTING SIDEWALK. ANY TRANSITIONS REQUIRED TO MATCH RAMPS TO EXISTING SIDEWALK SHALL REQUIRE REMOVAL AND REPLACEMENT OF ADDITIONAL SIDEWALK BEYOND THE RAMP AREA. SIDEWALK TRANSITION LENGTH SHALL BE EQUAL TO SIDEWALK WIDTH OR THE WIDTH OF THE EXISTING SIDEWALK. RAMP EXTENSIONS SHALL BE A CONTINUOUS SLOPE.
10. ALL SIDEWALK AND RAMP CONSTRUCTION SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT / JACKSON COUNTY, MO
ADA RAMP RETROFIT DETAIL

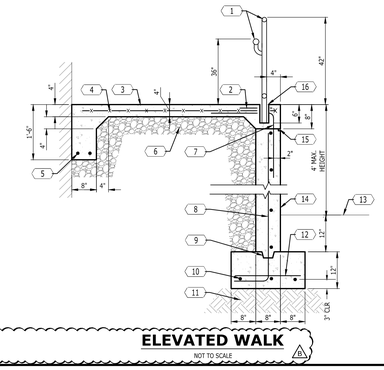
LS LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

Date: 08/2023
Drawn By: MJF
Checked By: DL
Revision No. 1
Date: 06/2024
Title: 8

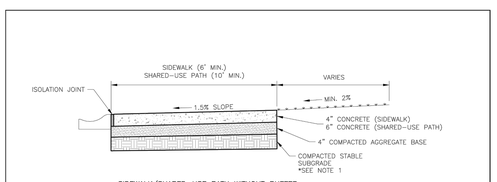
GEN-3B

KEYNOTES	
CODE	DESCRIPTION
1	GUARD RAIL AND HAND RAIL; REFER TO DETAILS
2	12" No. 4 HAIRPIN AT EACH POST
3	BROOM FINISH
4	6"X6", W2.9 X W2.9 W.W.F.
5	TWO No. 5 BARS
6	GRANULAR BACKFILL
7	No. 5 BARS "L", 24" APART; 24" HORIZ., 30" VERT.
8	No. 5 BARS 12" APART EACH WAY
9	2" X 4" KEY
10	THREE No. 5 BARS, CONT.
11	COMPACTED SUBGRADE
12	No. 4 BARS 12" APART
13	FINISH GRADE
14	RUBBED FINISH
15	3/4" x 3/4" REVEAL
16	2" DIA. SLEEVE IN WALL. GROUT POST IN PLACE.

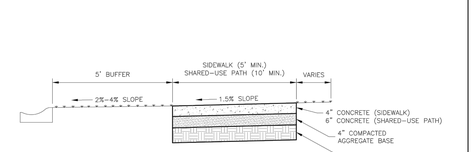
NOTE:
USE 3500 PSI CONCRETE AND ASTM GRADE 60 STEEL BARS.



3 **ELEVATED WALK**
NOT TO SCALE



SIDEWALK/SHARED-USE PATH WITHOUT BUFFER
NOT TO SCALE



SIDEWALK/SHARED-USE PATH WITH BUFFER
NOT TO SCALE

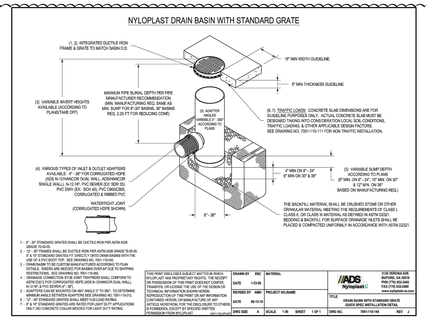
GENERAL NOTES:

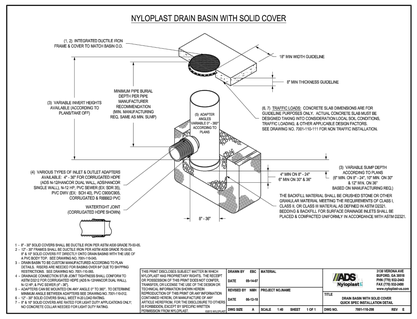
1. SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
2. 1.5% CROSS SLOPE MUST BE MAINTAINED THROUGH DRIVEWAYS.
3. KCMMB 4K CONCRETE MIX SHALL BE REQUIRED FOR ALL SIDEWALKS/SHARED-USE PATHS. (PROWAG).
4. ALL SIDEWALK/SHARED-USE PATHS SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).
5. AN ISOLATION JOINT SHALL BE PLACED AT A MAXIMUM OF 100 FT. CONSTRUCTION JOINTS SHALL BE PLACED THE SAME WIDTH OF SIDEWALK/SHARED-USE PATHS, BUT NO GREATER THAN 10 FT.
6. AN ISOLATION JOINT SHALL BE PLACED WHERE THE SIDEWALK/SHARED-USE PATHS MEETS A RESIDENTIAL DRIVEWAY.
7. SHARED-USE PATHS WIDTH SHALL BE 10 FT. WIDE.
8. SIDEWALK/SHARED-USE PATHS FINISHING SHALL BE FULL BROOM FINISH OR AS DIRECTED BY CITY INSPECTOR.
9. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

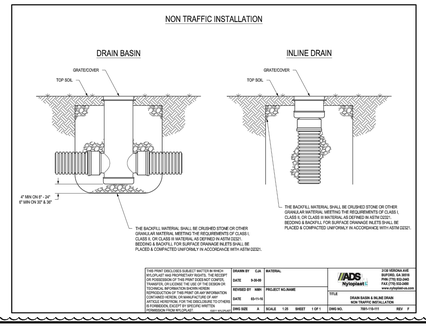
LS **LEE'S SUMMIT MISSOURI**
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
SIDEWALK/SHARED-USE PATH DETAIL

Date: 08/2023
Drawn By: MJF
Checked By: DL

GEN-2







1

KEYNOTES	
CODE	DESCRIPTION
1	1-1/2" O.D. STEEL PIPE RAIL AND POSTS (TYP)
2	2" DIA. PIPE SLEEVE, CAST IN PLACE. GROUT RAIL POST.
3	CONC. WALK OR RAMP
4	3"R MIN
5	HANDRAIL, 1-1/2" DIA. STEEL PIPE
6	1" DIA. SQUARE PICKETS

NOTES:

1. PROVIDE 3'-6" HIGH 1-1/2" O.D. GUARD RAIL AT ELEVATION DROPS 30" OR GREATER. MAXIMUM VERTICAL PICKET SPACING SHALL BE 4", ON CENTER.
2. VARIATIONS IN GUARD RAIL HEIGHT SHALL NOT BE ALLOWED.
3. MAXIMUM CLEARANCE BETWEEN BOTTOM RAIL AND CONCRETE SHALL BE 2". GUARD RAIL SHALL BE SMOOTH-FINISHED, ALL WELDED SURFACES PRIMED AND PAINTED WITH TWO COATS OF RUST RESISTANT PRIMER AND TWO COATS OF ENAMEL. COLOR TO BE SELECTED BY ARCHITECT.
4. PROVED HAND RAIL WITH GUARD RAIL AT ALL WALKS GREATER THAN 5% SLOPE.

2 **GUARDRAIL WITH HANDRAIL**
NOT TO SCALE

Catalyst DESIGN GROUP
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LEE'S SUMMIT
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LEE'S SUMMIT, MO 64063
816-282-5000

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

NO.	DATE	DESCRIPTION
1	2025/02/06	DESIGN COORDINATION

DRAWING TITLE
SITE DETAILS

PROJECT NUMBER
20240037

DRAWING NUMBER
C8.2

Devenney GROUP

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Consultant:

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STATE OF MISSOURI
JACK I. PARKER
NUMBER PE-2010040852
PROFESSIONAL ENGINEER
01/06/2025

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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

DATE:	2024/12/05
SCALE:	
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

SITE DETAILS

C8.2

P:\2024\20240037-Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_DET.dwg-C8.2 SITE DETAILS Jan 31, 2025 wbissard

Autodesk Docs://6406.24.0001 - HCA - LSMC MedSurg Expansion_rvt23/6406.24.0001 HCA - LSMC Med Surge Expansion.rvt

6/10/2024 9:05:24 PM

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
98,405 S.F. PROJECT LOT AREA / 5,000 x 2 = 40 SHRUBS REQ.
43 SHRUBS PROVIDED

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

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

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES						
	QAB	5	Quercus alba / White Oak	B&B	2.5"	12-14`
	QP	8	Quercus phellos / Willow Oak	B&B	2.5"	12-14`
SHRUBS						
	DG	23	Deutzia gracilis / Slender Deutzia	#3		18-24"
	ICBN	40	Ilex cornuta `Burfordii Nana` / Dwarf Burford Holly	#3		18-21"
	PLO	23	Prunus laurocerasus 'Otto Luyken' / Otto Luyken English Laurel	#7		18-21"

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	SPACING
SHRUB AREAS							
	JHW	114	Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper	#1			48" o.c.
GROUND COVERS							
	FR	10,914 sf	Festuca rubra / Red Fescue	Sod			
	HX	34	Helleborus x / Hybrid Hellebore / Lenten Rose	#1			18" o.c.
	VMB	128	Vinca minor 'Bowles' / Bowles Periwinkle	#1			18" o.c.

Know what's below.
Call before you dig.

N

GRAPHIC SCALE
0 20 40 80 120

P:\20241\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_LAN.dwg-L1.0 OVERALL LANDSCAPE PLAN Jan 31, 2025 wbissard

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CONSTRUCTION DOCUMENTS
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JACKSON COUNTY

NO.	DATE	DESCRIPTION
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20240037

DRAWING NUMBER
L1.0

Devenney GROUP

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STATE OF MISSOURI
JARED CUNNINGHAM
NUMBER A-2008010022
REGISTERED ARCHITECT

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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

DATE:	2024/12/05
SCALE:	1:40
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

OVERALL LANDSCAPE PLAN

L1.0

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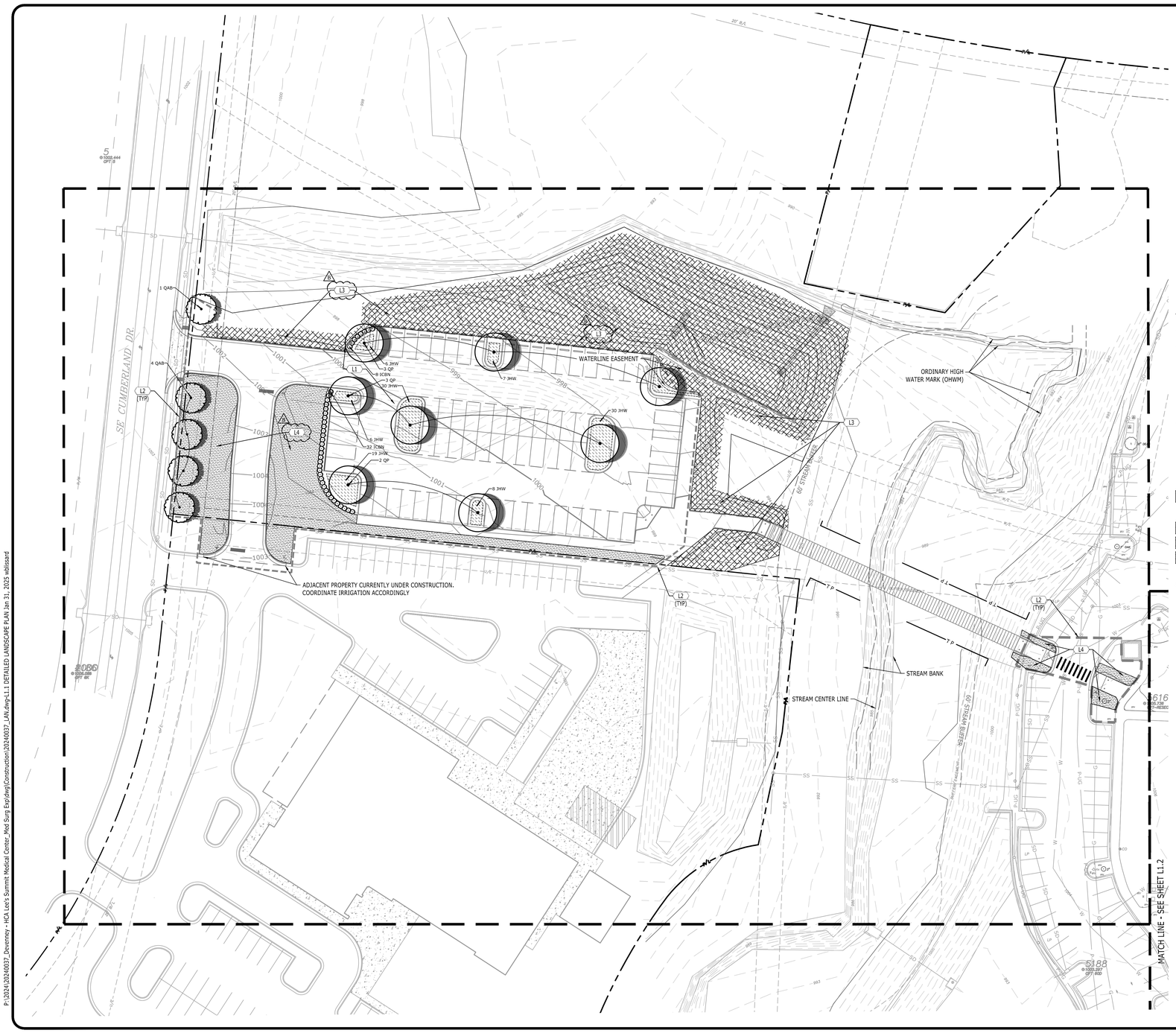

LANDSCAPE KEYNOTES

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L3	AREA TO BE SEEDED	
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L5	AREA TO BE 4"-6" RIVER ROCK	

LEGEND

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

PLANT SCHEDULE

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

SEE L1.0 FOR PLANT SIZES AND QUANTITIES

Know what's below. Call before you dig.

N

GRAPHIC SCALE 0 15 30 60 90

MATCH LINE - SEE SHEET L1.2

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_LAN.dwg-L1.1 DETAILED LANDSCAPE PLAN Jan 31, 2025 wblissard

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816-282-5000

CONSTRUCTION DOCUMENTS
HCA LEE'S SUMMIT MEDICAL CENTER
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LEE'S SUMMIT, MO, 64063
JACKSON COUNTY

NO.	DATE	DESCRIPTION
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DRAWING TITLE
DETAILED LANDSCAPE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
L1.1

Devenney GROUP

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STATE OF MISSOURI
JARED CUNNINGHAM
NUMBER
A-2008010022
REGISTERED PROFESSIONAL ENGINEER

INPATIENT BED EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

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

DATE:	2024/12/05
SCALE:	1:30
DRAWN:	AP
REVIEWED:	WB
JOB NUMBER:	6406.24

DETAILED LANDSCAPE PLAN

L1.1

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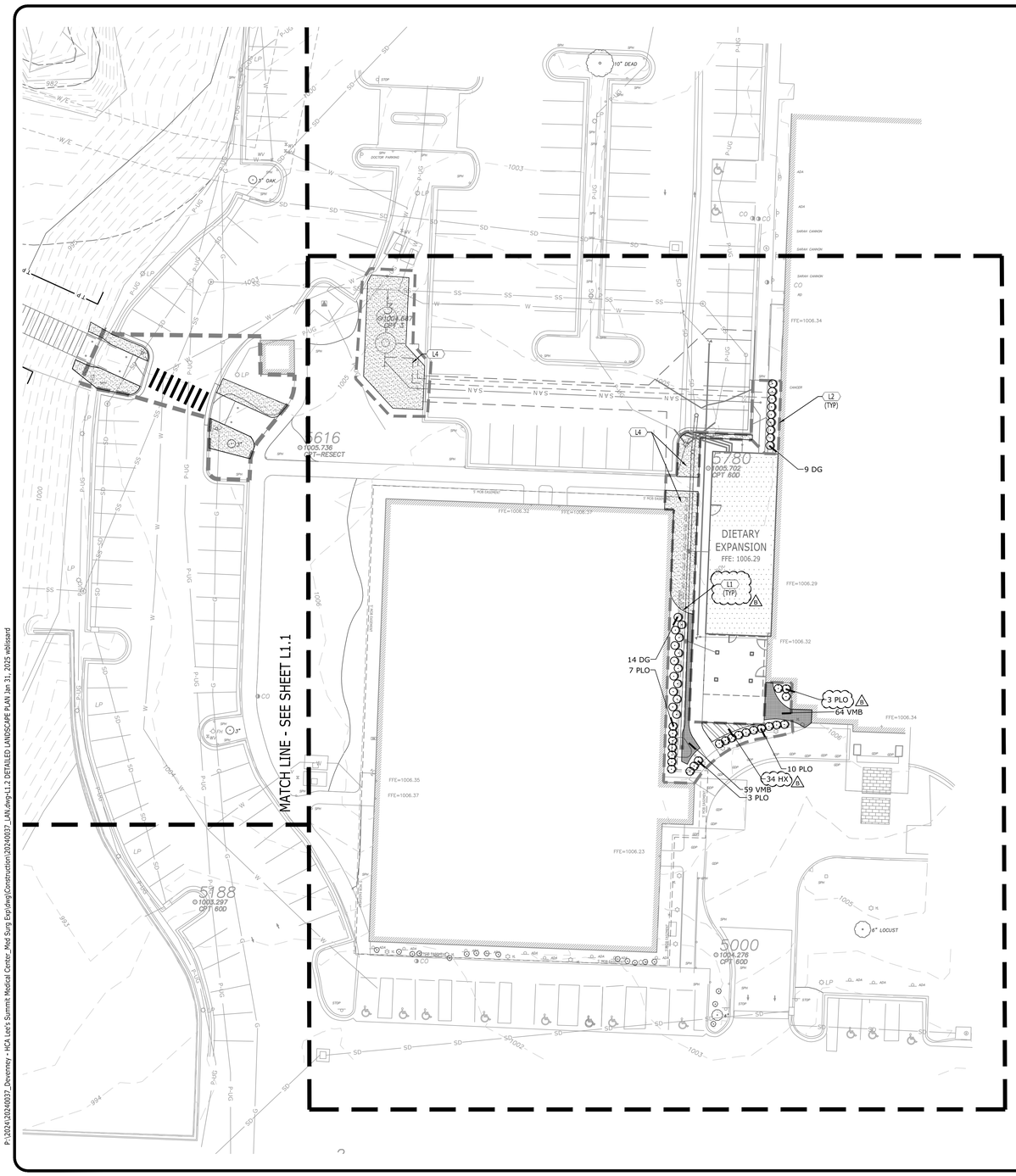

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LEGEND

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STORM PIPE & INLET	
PROPOSED CONTOUR ELEV.	90

PLANT SCHEDULE

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	VMB	Vinca minor 'Bowles' / Bowles Periwinkle

SEE L1.0 FOR PLANT SIZES AND QUANTITIES

Know what's below.
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N

0 10 20 40 60
GRAPHIC SCALE

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_LAN.dwg>L1.2 DETAILED LANDSCAPE PLAN Jan 31, 2025 wbissard

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CONSTRUCTION DOCUMENTS
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JACKSON COUNTY

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DETAILED LANDSCAPE PLAN

PROJECT NUMBER
20240037

DRAWING NUMBER
L1.2

Devenney GROUP
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Consultant:

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STATE OF MISSOURI
JARED CUNNINGHAM
NUMBER A-2008010025
REGISTERED PROFESSIONAL ENGINEER

INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT
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LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:
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MISSOURI DHSS

FACILITY NUMBER:
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AGENCY APPROVALS:
AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
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JOB NUMBER:	6406.24

DETAILED LANDSCAPE PLAN

L1.2

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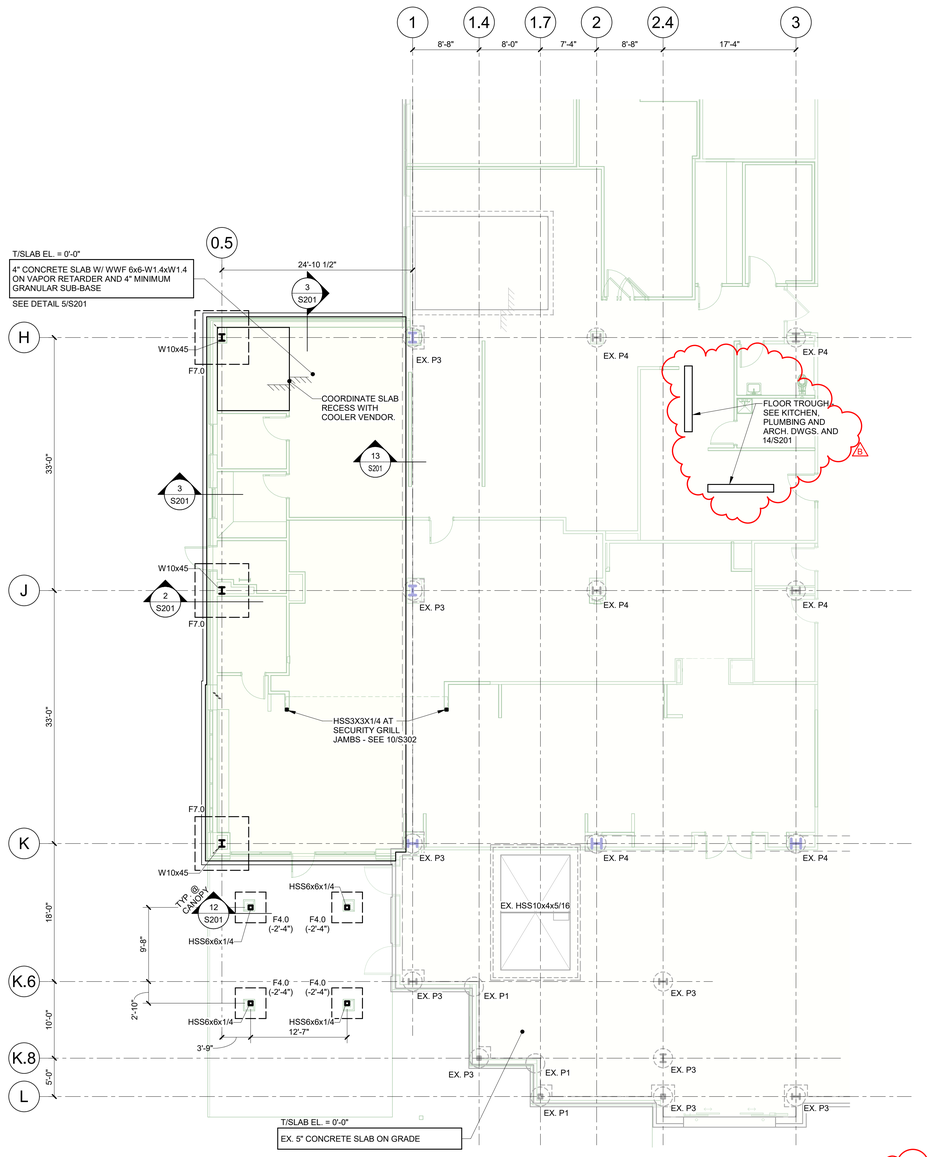
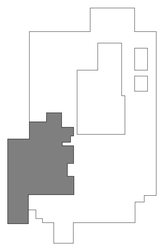


FIRST FLOOR - DIETARY EXPANSION

0' 4'- 0" 8'- 0" 16' - 0"

KEY PLAN



SHEET NOTES:

1. REFERENCE ELEVATON 0'-0" = 1006.25' (REFER TO CIVIL DRAWINGS).
2. TOP OF FOUNDATION ELEVATIONS ARE 2'-0" BELOW FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE.
3. FOUNDATION ELEMENTS ARE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
6. COORDINATE ALL SLAB DEPRESSIONS WITH MEP AND ARCHITECTURAL DRAWINGS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND EXTENTS OF NON-LOAD BEARING CMU WALLS. COORDINATE WITH STRUCTURAL DETAILS.
8. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATED TO THE NEW STRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
9. SHEET AND TYPICAL DETAIL REFERENCES:

S0 SERIES	STRUCTURAL NOTES
1/S201	FOOTING SCHEDULE
S201	SLAB ON GROUND
S401	STAIRS
S501	GRAVITY COLUMNS
S601	MOMENT FRAMES

10. X/SX.XX TOPPING SLAB & HOUSEKEEPING PADS

MARK AND LEGEND KEY:

F#.#	FOOTING
[ ]	TOPPING SLAB, HOUSEKEEPING PAD, OR CURB

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Consultant:

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Structural Engineers
750 Old Hickory Blvd.
Building 1, Suite 175
Brentwood, TN 37027
www.sdlal.com
615 320 1735

Project No. 24051.00

STATE OF MISSOURI
MICHAEL E. CORBIN
NUMBER
PE-2011027444
PROFESSIONAL ENGINEER
2-6-25

MED SURG & DIETARY EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

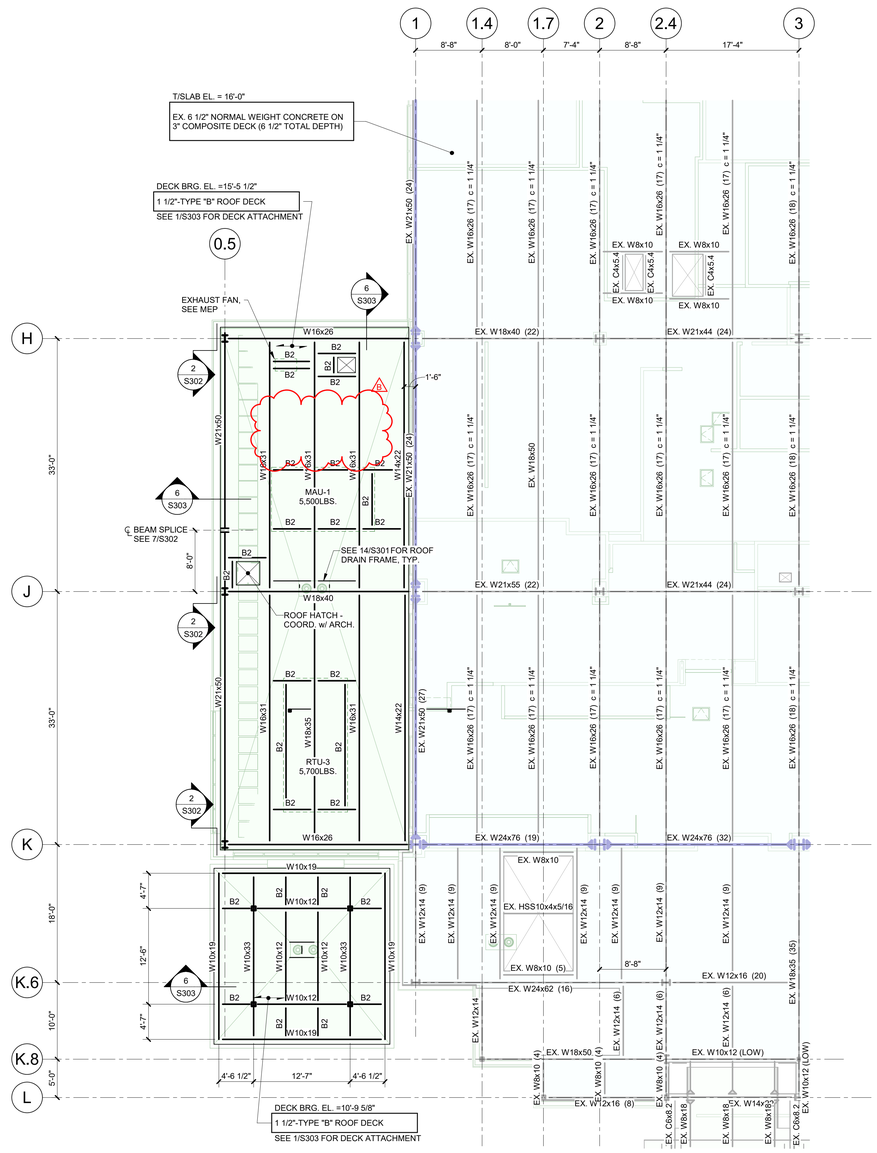
REVISIONS

REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

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

LEVEL 1 FOUNDATION PLAN

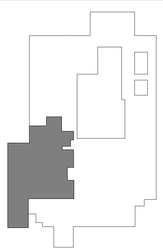
S121



SECOND FLOOR - DIETARY EXPANSION

0' 4' - 0" 8' - 0" 16' - 0"

KEY PLAN



SHEET NOTES:

1. ALL BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, UNLESS NOTED OTHERWISE.
2. EDGE OF SLAB/BENT PLATE IS LOCATED 6" OFF OF BEAM CENTERLINES AT INTERIOR OPENINGS, UNLESS NOTED OTHERWISE.
3. REFER TO FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS, SLAB SLOPE AND EDGE OF SLAB DIMENSIONS.
6. COORDINATE ALL SLAB OPENINGS AND DEPRESSIONS WITH MEP AND ARCHITECTURAL DRAWINGS.
7. WEIGHTS SHOWN FOR MECHANICAL EQUIPMENT ARE MAXIMUMS. NOTIFY STRUCTURAL ENGINEER IF ACTUAL WEIGHTS EXCEED THE VALUES GIVEN.
8. COORDINATE THE LOCATION OF FRAMING SUPPORTING MECHANICAL EQUIPMENT WITH THE EQUIPMENT SUPPLIER. NOTIFY STRUCTURAL ENGINEER IF EQUIPMENT SUPPORT REQUIREMENTS DIFFER FROM WHAT IS SHOWN IN THE STRUCTURAL DOCUMENTS.
9. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATED TO THE NEW STRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.
10. SHEET AND TYPICAL DETAIL REFERENCES:

S0 SERIES	STRUCTURAL NOTES
6/S302	WELD THROUGH MOMENT CONNECTIONS
S301	COMPOSITE SLABS
S302	FRAMING SECTIONS AND DETAILS
S303	ROOF FRAMING SECTIONS AND DETAILS
S401	STAIRS
S501	GRAVITY COLUMNS
S601	MOMENT FRAMES
5/S302	TOPPING SLAB & HOUSEKEEPING PADS

MARK AND LEGEND KEY:

	WELD THROUGH MOMENT CONNECTION
	TOPPING SLAB, HOUSEKEEPING PAD, OR CURB
	BARRIER CABLES

11. ULTIMATE (LRFD) REACTIONS FOR STEEL BEAMS SUPPORTING NON-COMPOSITE DECK SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

SIZE	REACTION	SIZE	REACTION	SIZE	REACTION
W8	12 KIPS	W16	30 KIPS	W24	48 KIPS
W10	12 KIPS	W18	30 KIPS	W27	66 KIPS
W12	12 KIPS	W21	48 KIPS	W30	66 KIPS
W14	30 KIPS				

12. STEEL BEAM SCHEDULE:

MARK	SIZE	ULTIMATE (LRFD) REACTION
B1	W8x10	12 KIPS
B2	W10x12	12 KIPS
B3	W12x14	12 KIPS
C1	C8X11.5	12 KIPS

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Consultant:

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STATE OF MISSOURI
MICHAEL E. CORBIN
NUMBER
PE-2011027464
PROFESSIONAL ENGINEER
2-6-25

MED SURG & DIETARY EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

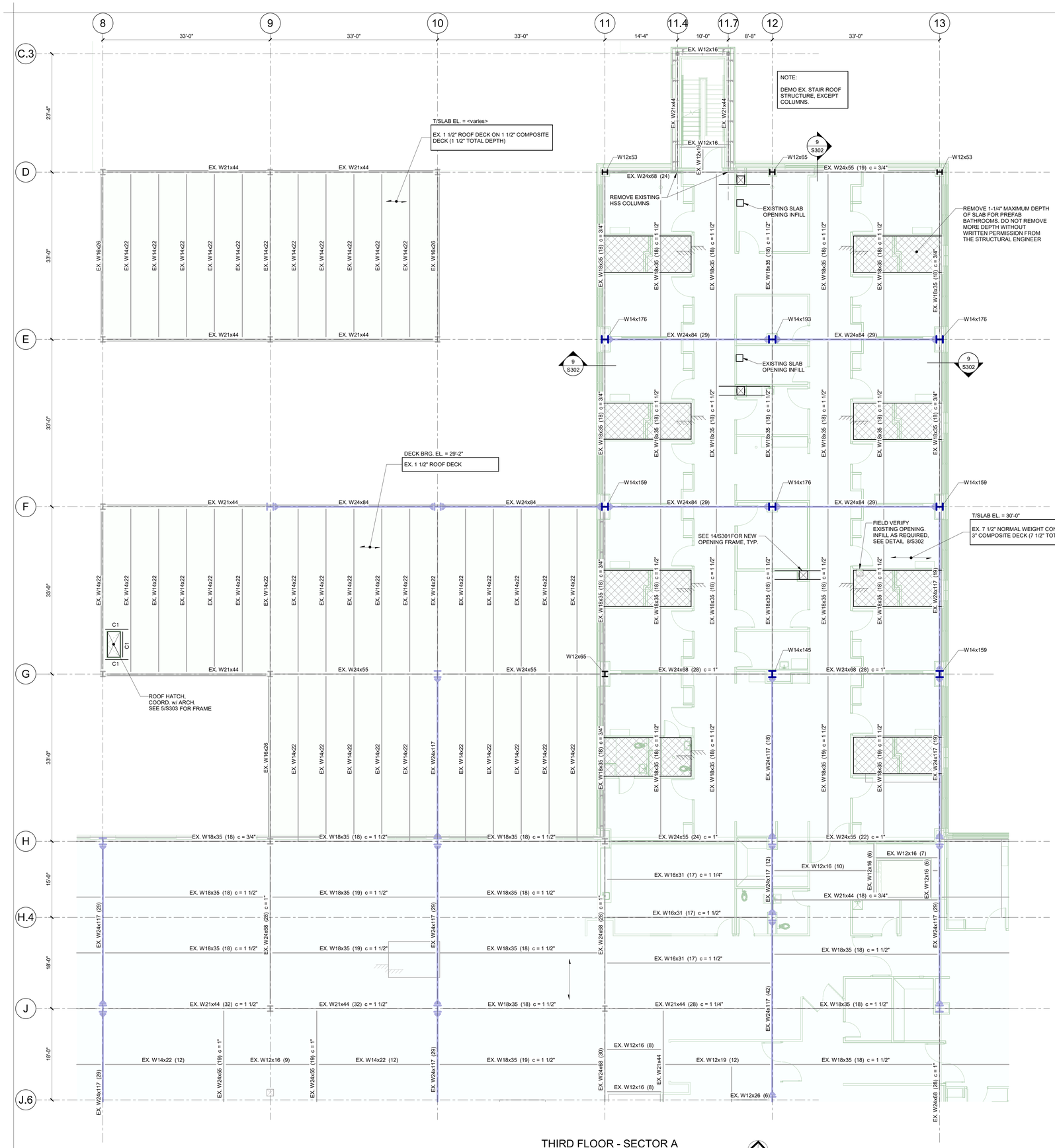
REVISIONS

REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

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

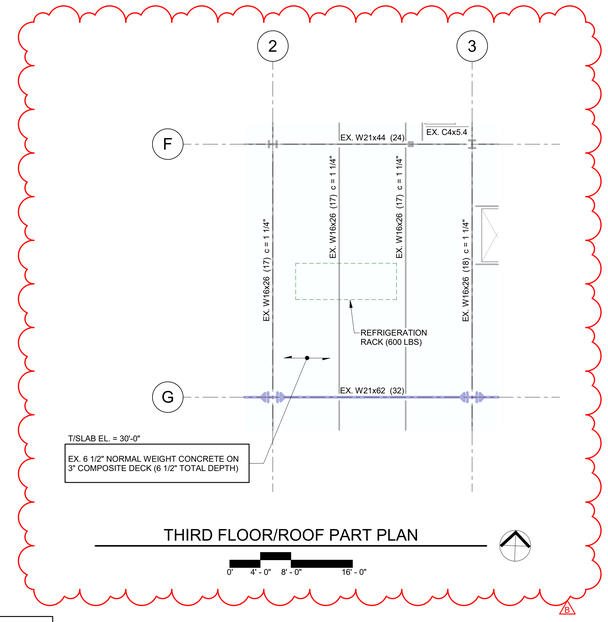
LEVEL 2 FRAMING PLAN

S122



THIRD FLOOR - SECTOR A

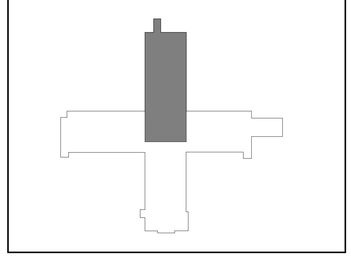
0' 4' - 0" 8' - 0" 16' - 0"



THIRD FLOOR/ROOF PART PLAN

0' 4' - 0" 8' - 0" 16' - 0"

KEY PLAN



SHEET NOTES:

1. ALL BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, UNLESS NOTED OTHERWISE.
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S302	FRAMING SECTIONS AND DETAILS
S303	ROOF FRAMING SECTIONS AND DETAILS
S401	STAIRS
S501	GRAVITY COLUMNS
S601	MOMENT FRAMES
5/S302	TOPPING SLAB & HOUSEKEEPING PADS

MARK AND LEGEND KEY:

WELD THROUGH MOMENT CONNECTION
TOPPING SLAB, HOUSEKEEPING PAD, OR CURB
BARRIER CABLES

11. ULTIMATE (LRFD) REACTIONS FOR STEEL BEAMS SUPPORTING NON-COMPOSITE DECK SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

SIZE	REACTION	SIZE	REACTION	SIZE	REACTION
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W10	12 KIPS	W18	30 KIPS	W27	66 KIPS
W12	12 KIPS	W21	48 KIPS	W30	66 KIPS
W14	30 KIPS				

12. STEEL BEAM SCHEDULE:

MARK	SIZE	ULTIMATE (LRFD) REACTION
B1	W8x10	12 KIPS
B2	W10x12	12 KIPS
B3	W12x14	12 KIPS
C1	C8X11.5	12 KIPS

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615 320 1735

Project No. 24051.00

STATE OF MISSOURI
MICHAEL E. CORBIN
NUMBER
PE-2011027444
PROFESSIONAL ENGINEER
2-6-25

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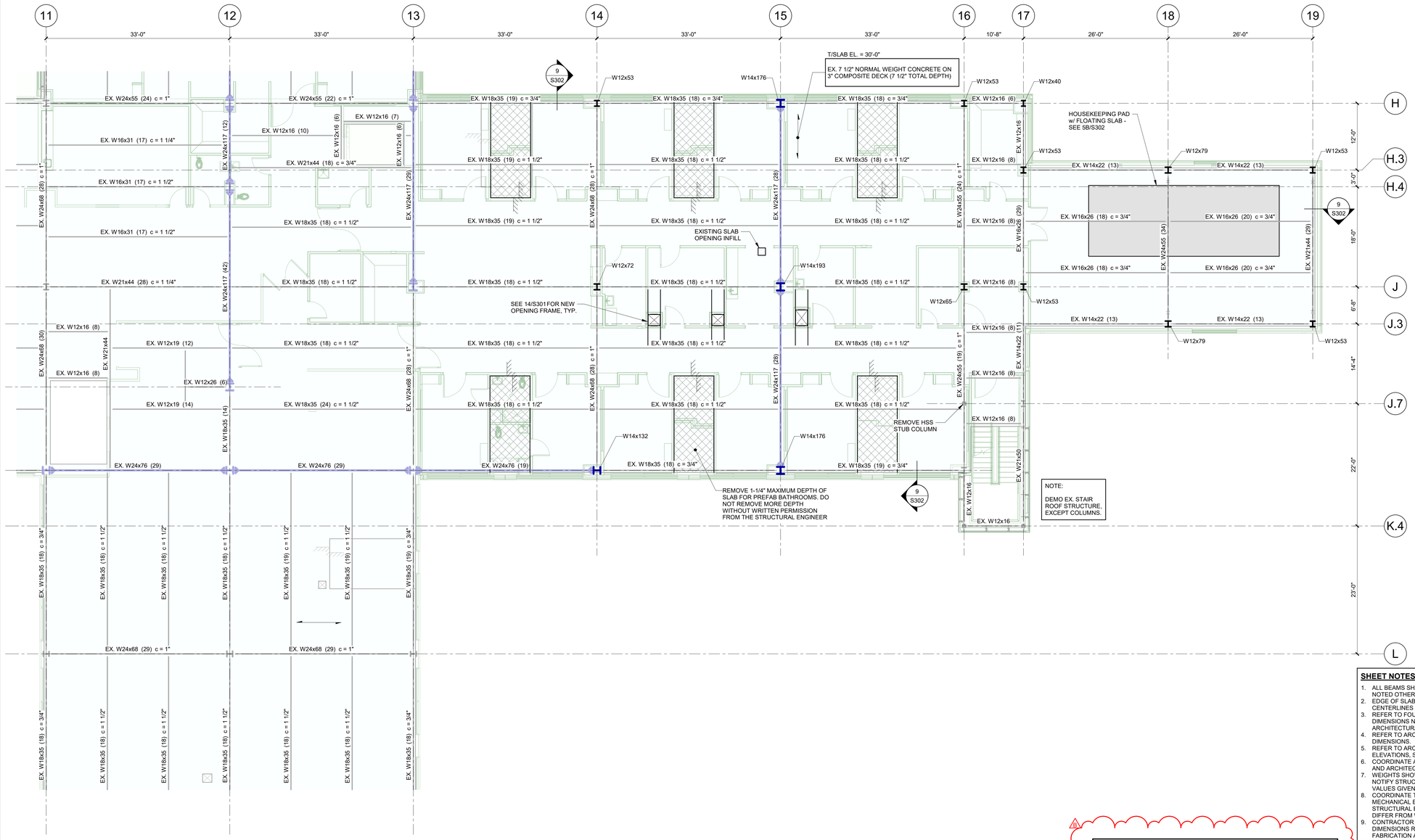
LEVEL 3 FRAMING PLAN - SECTOR A

S123A



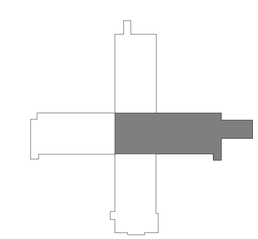
NOTE:

DEMO EX. STAIR ROOF STRUCTURE, EXCEPT COLUMNS.

THIRD FLOOR - SECTOR B

0' 4' - 0" 8' - 0" 16' - 0"

KEY PLAN



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12. STEEL BEAM SCHEDULE:

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PROFESSIONAL ENGINEER
2-6-25

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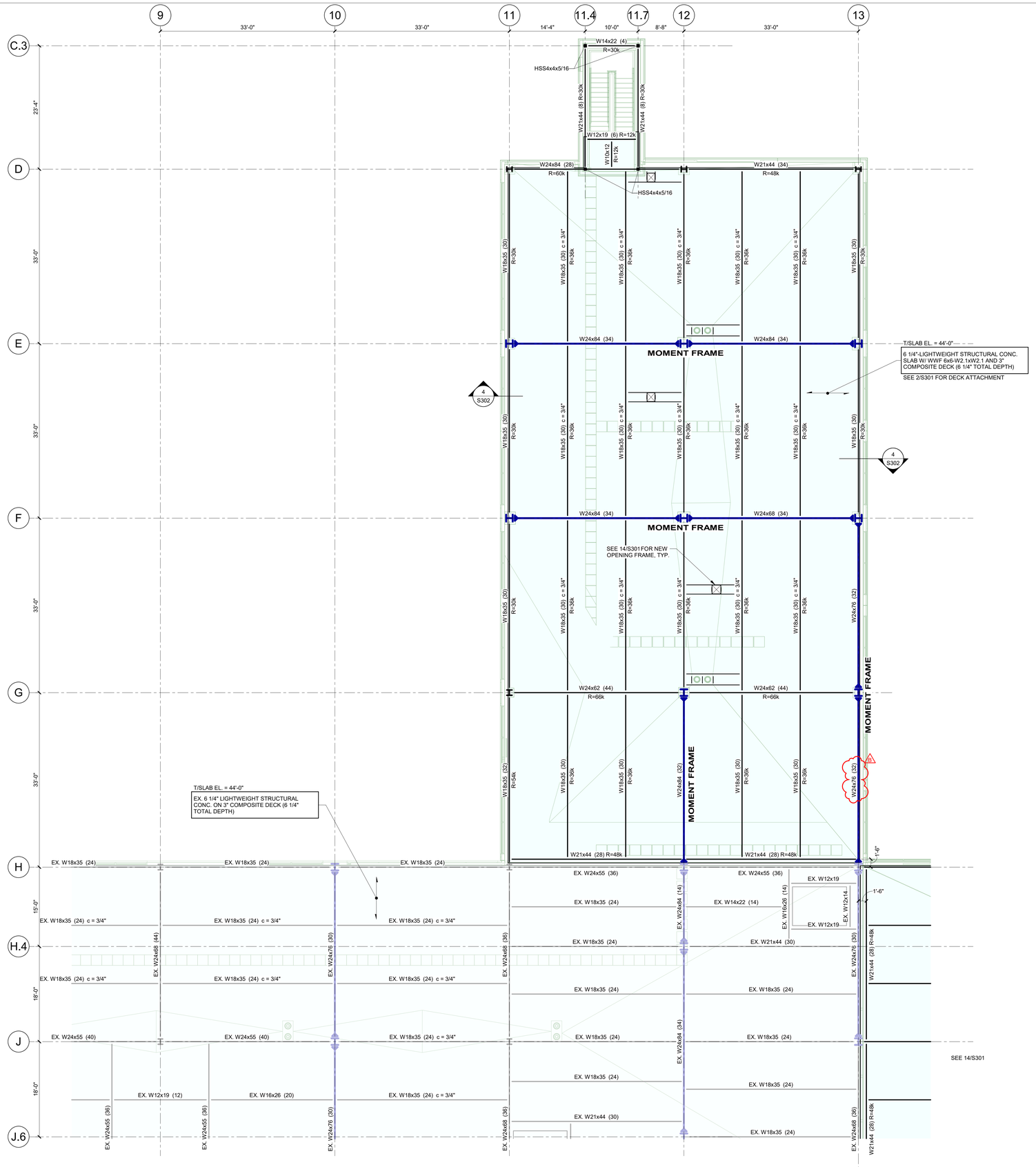
LEVEL 3 FRAMING PLAN - SECTOR B

S123B



ROOF / FUTURE FOURTH - SECTOR A

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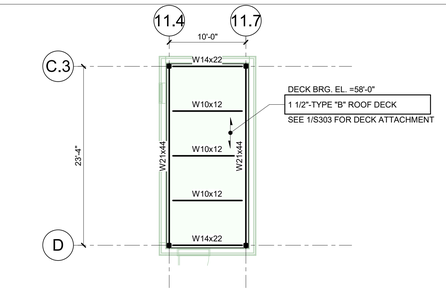

PARTIAL HIGH ROOF FRAMING PLAN

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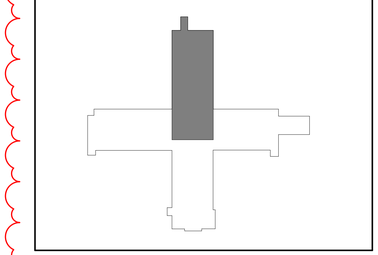
KEY PLAN



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Project No. 24051.00

STATE OF MISSOURI
MICHAEL E. CORBIN
NUMBER
PE-2004031027
PROFESSIONAL ENGINEER
2-6-25

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ROOF FRAMING PLAN - SECTOR A

S124A

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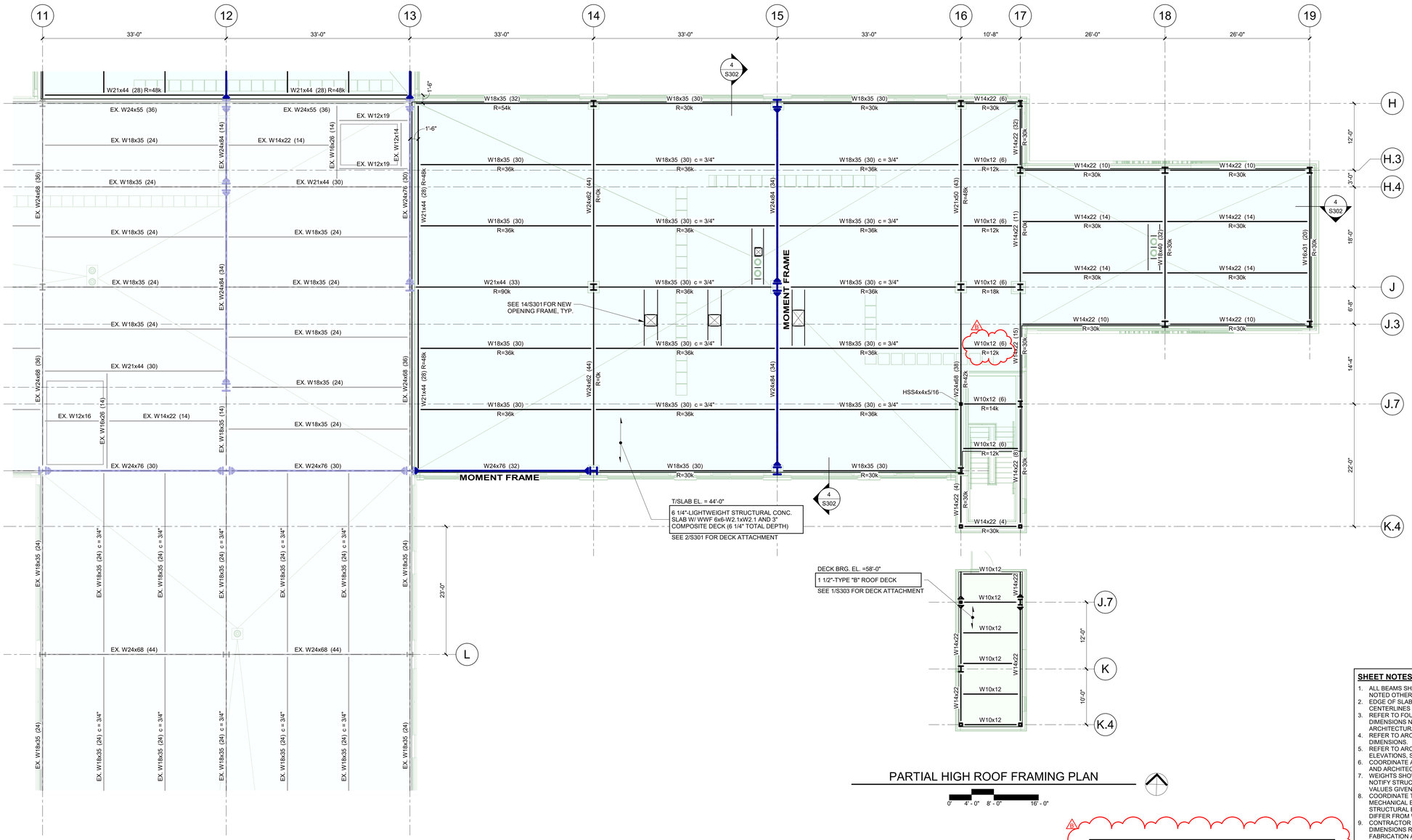
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/24051100-Lee's_Summit_MC_Med-Surg_Bld_Engineer_2025.rvt

2/5/2025 5:10:04 PM



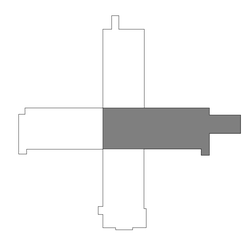
PARTIAL HIGH ROOF FRAMING PLAN

0' 4' - 0" 8' - 0" 16' - 0"

ROOF / FUTURE FOURTH - SECTOR B

0' 4' - 0" 8' - 0" 16' - 0"

KEY PLAN



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ROOF FRAMING PLAN - SECTOR B

S124B

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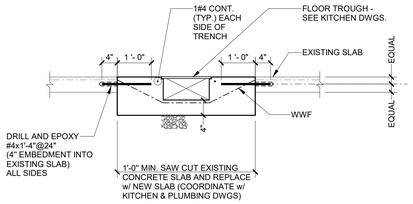
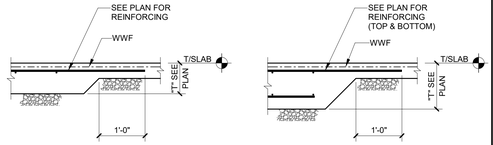
Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/2405100-Lee's_Summit_MC_Med-Surg_Bed_Expasion_SD123.rvt

2/5/2025 5:10:10 PM

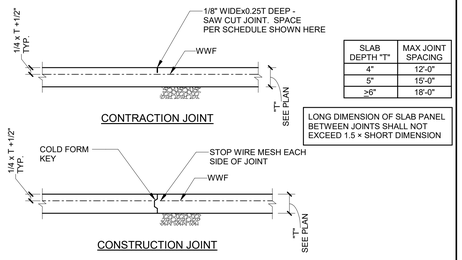


14 TYPICAL SECTION THROUGH NEW FLOOR TRENCH DUCT (AT EXISTING SLAB)



NOTE:
OFFSET CONTRACTION JOINT TO AVOID INTERSECTING THICKENED SLAB AREA

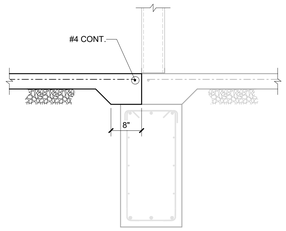
9 TYPICAL THICKENED SLAB ON GROUND DETAILS



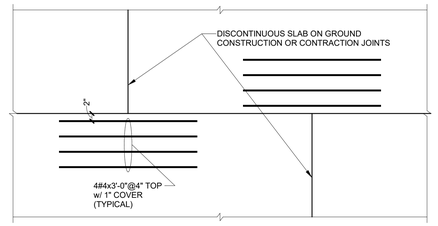
SLAB DEPTH "T"	MAX JOINT SPACING
4"	12'-0"
5"	15'-0"
≥6"	18'-0"

LONG DIMENSION OF SLAB PANEL BETWEEN JOINTS SHALL NOT EXCEED 1.5 × SHORT DIMENSION

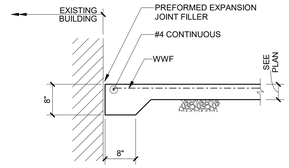
5 TYPICAL SLAB ON GROUND DETAILS



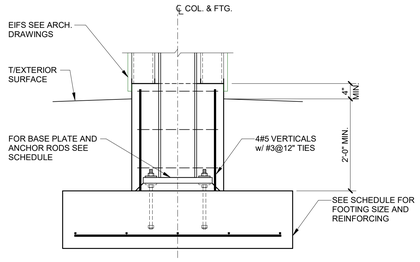
13 SECTION AT EXISTING



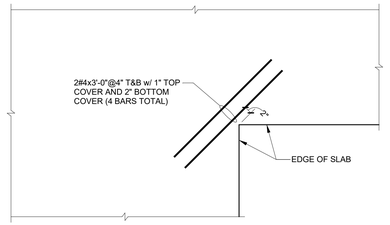
8 TYP. REINFORCING AT DISCONTINUOUS JOINTS



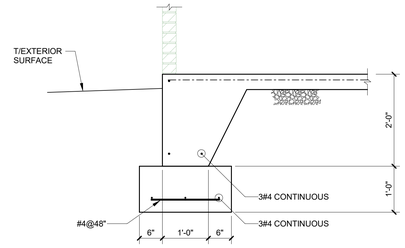
4 TYPICAL SECTION AT EXISTING BUILDING



12 SECTION AT CANOPY COLUMN

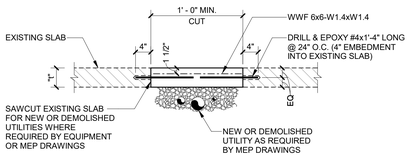


7 TYPICAL REINFORCING AT SLAB ON GROUND RE-ENTRANT CORNERS

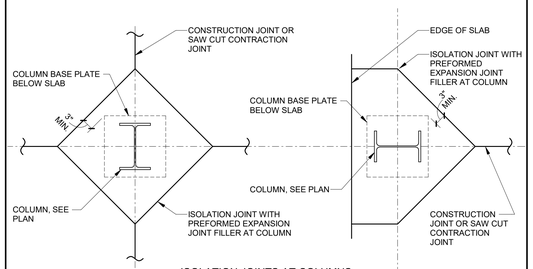


3 TYPICAL TURNED DOWN SLAB

NOTE:
SEE MEP DRAWINGS FOR LOCATIONS



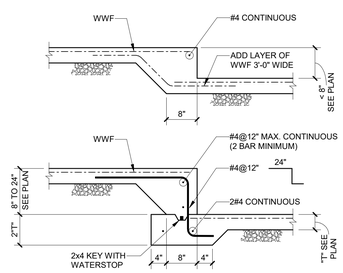
11 SECTION AT NEW/DEMOLISHED UTILITIES AT EXISTING SLAB



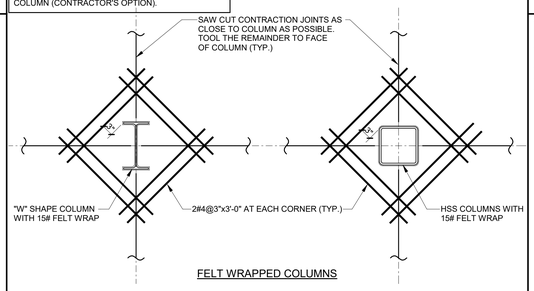
ISOLATION JOINTS AT COLUMNS

NOTE:
ISOLATION OF COLUMNS IS REQUIRED. PROVIDE EITHER ISOLATION JOINTS OR FELT WRAP AT COLUMN (CONTRACTOR'S OPTION).

2 TYPICAL EXTERIOR COLUMN FOOTING DETAIL



10 TYP. DEPRESSED SLAB ON GROUND DETAILS



FELT WRAPPED COLUMNS

6 TYPICAL SLAB ON GROUND JOINT DETAILS AT STEEL COLUMNS

FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	REMARKS
F4.0	4'-0"	4'-0"	1'-3"		5#6 E.W.	
F7.0	7'-0"	7'-0"	2'-0"		9#8 E.W.	

1 FOOTING SCHEDULE

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615 320 1735

Project No. 24051.00

MED SURG & DIETARY EXPANSION

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

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS

REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

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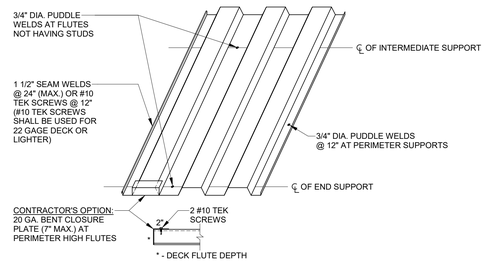
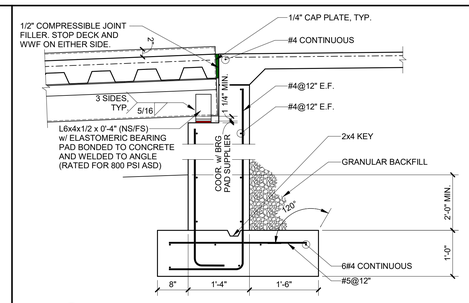
DRAWN:	JL
REVIEWED:	JDP
JOB NUMBER:	6406.24

TYPICAL FOUNDATION AND SLAB ON GROUND SECTIONS AND DETAILS

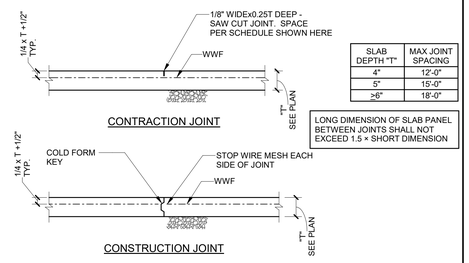
S201



7 TYPICAL COMPOSITE DECK ATTACHMENT



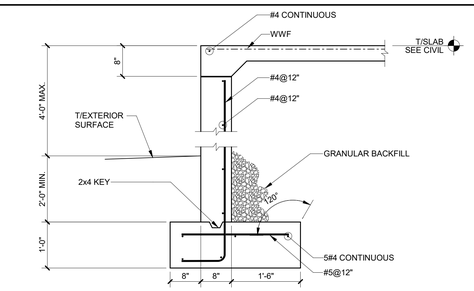
4 TYPICAL SECTION AT STEEL BEAM / RET. WALL



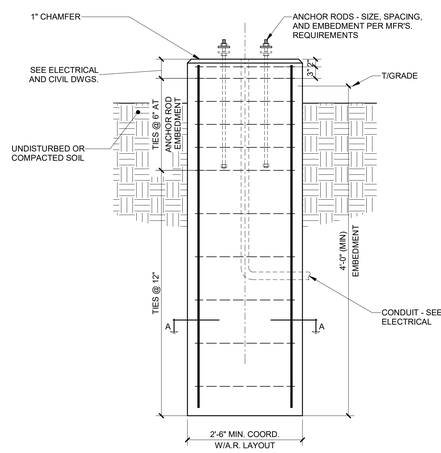
SLAB DEPTH "T"	MAX JOINT SPACING
4"	12'-0"
5"	15'-0"
>6"	18'-0"

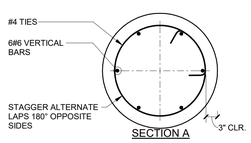
LONG DIMENSION OF SLAB PANEL BETWEEN JOINTS SHALL NOT EXCEED 1.5 × SHORT DIMENSION

6 TYPICAL SLAB ON GROUND DETAILS



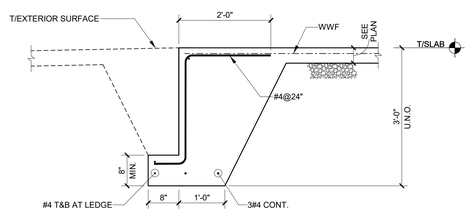
3 TYPICAL SECTION AT RETAINING WALL



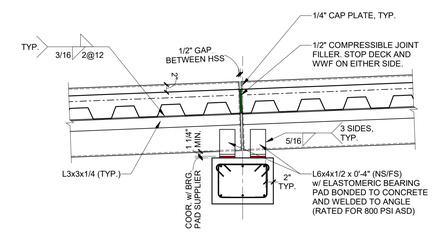


NOTE:
PIER FOUNDATION IS DESIGNED FOR LOADING FROM A 8" MAX. ROUND, 20' TALL POLE, WITH A TOTAL LUMINAIRE EPA OF 1.5 SQ. FT. NOTIFY STRUCTURAL ENGINEER IF ANY OF THE ABOVE PARAMETERS ARE EXCEEDED

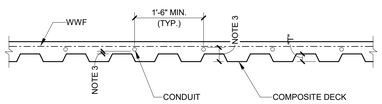
9 SITE LIGHT POLE FOUNDATION SECTION



5 TYPICAL TURNED DOWN SLAB



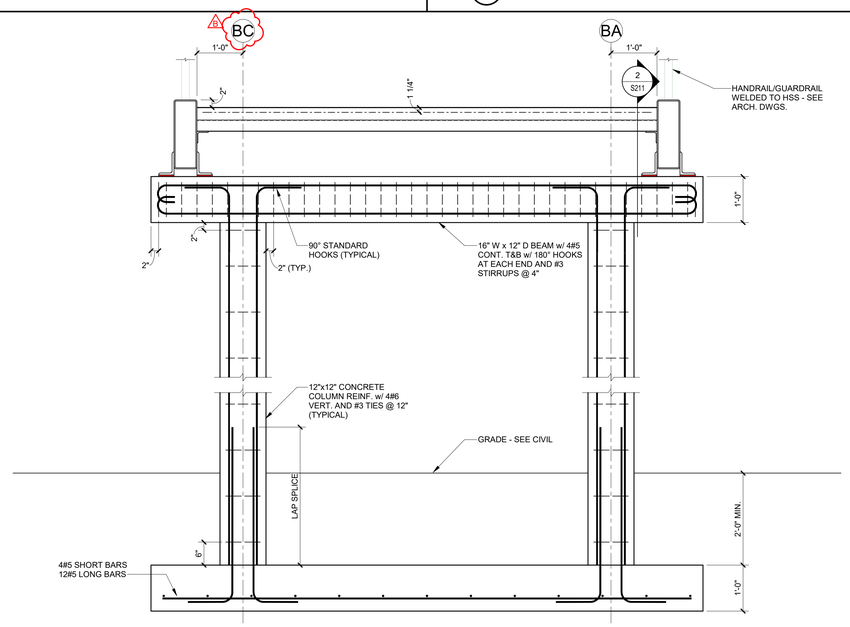
2 TYPICAL SECTION AT PEDESTRIAN BRIDGE



NOTES:

1. OUTSIDE DIA. OF CONDUIT SHALL NOT EXCEED 1" NOR 1/3 "T".
2. CROSSOVERS OF CONDUIT ARE NOT PERMITTED.
3. MAINTAIN 3/4" MINIMUM CLEAR COVER TOP AND BOTTOM. DO NOT PLACE CONDUIT WITHIN DECK FLUTES.
4. CONDUITS GROUPED TOGETHER NEAR JUNCTION BOXES SHALL BE REINFORCED AS SLAB OPENINGS.
5. DO NOT PLACE CONDUIT WITHIN 3" CLEAR OF COMPOSITE BEAM SHEAR STUDS.

8 TYPICAL CONDUIT IN COMPOSITE SLAB DETAIL



1 TYPICAL SECTION AT PEDESTRIAN BRIDGE

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Project No. 24051.00

STATE OF MISSOURI
MICHAEL E. CORBIN
NUMBER
PE-2011027464
PROFESSIONAL ENGINEER
2-6-25

MED SURG & DIETARY EXPANSION

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

Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.

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

FACILITY NUMBER:
0972400009

AGENCY APPROVALS:
AGENCY

REVISIONS		
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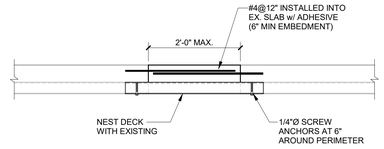
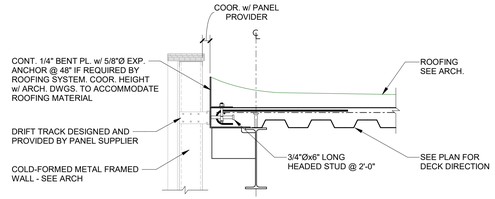
PEDESTRIAN BRIDGE STRUCTURAL SECTIONS AND DETAILS

S211

Autodesk Docs://6406.24 - HCA - Lee's Summit Medical Center (LSMC)_rvt23/2405100-Lee's_Summit_MC_Med-Surg_Bed_Expasion_SD123.rvt
2/5/2025 5:10:15 PM

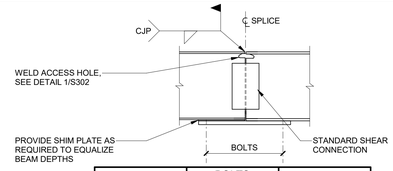


8 TYPICAL SECTION AT EX. SLAB OPENING INFILL



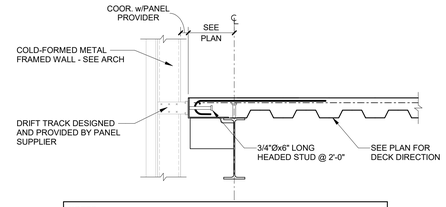
NOTES:
1. SEE 3/S301 AND 8/S301 FOR INFORMATION NOT SHOWN.
2. WALL FRAMING AND ITS CONNECTION TO THE STRUCTURE TO BE DESIGNED BY THE SUPPLIER.
3. COORDINATE BENT PLATE ERECTION TOLERANCES WITH WALL PANEL SUPPLIER.

4 TYPICAL DETAIL AT PRE-FAB CFMF WALL PANEL AT ROOF / FUTURE FLOOR



BEAM SIZE	BOLTS			PLATE SIZE
	DIA.	NO.	SPA.	
W21x50	3/4"	12	3"	5/8"x6 1/2" GR. 50

7 TYPICAL WELDED/BOLTED MOMENT SPLICE



NOTES:
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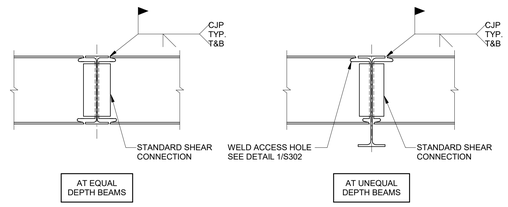
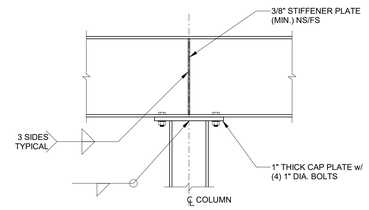
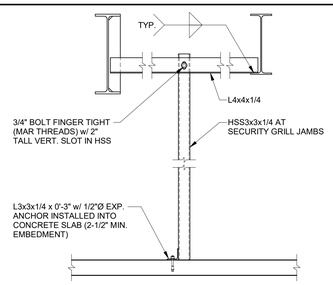
3 TYPICAL DETAIL AT PRE-FAB CFMF WALL PANEL



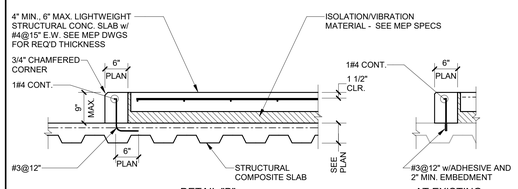
6 TYPICAL MOMENT CONNECTION DETAILS



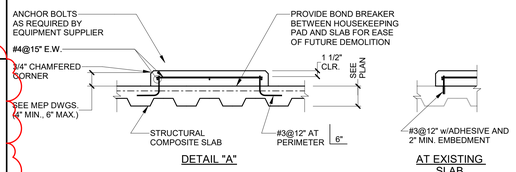
2 TYPICAL BEAM TO COLUMN CONNECTION CONTINUOUS/CANTILEVERED BEAMS



10 SECTION AT SECURITY GRILL FRAME



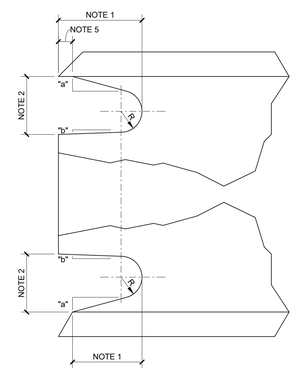
DETAIL "B" AT EXISTING SLAB



DETAIL "A" AT EXISTING SLAB

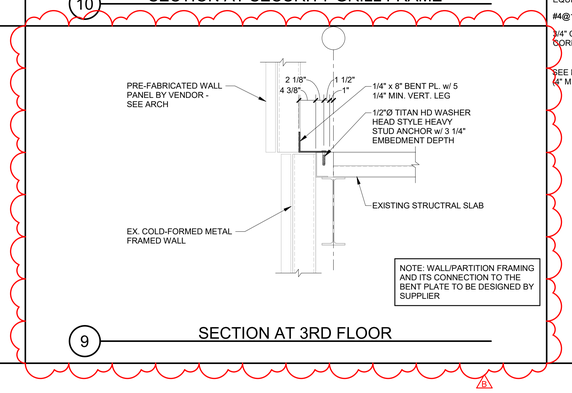
NOTES:
1. THE CONTRACTOR SHALL PROVIDE CONCRETE PADS ADEQUATE FOR THE SUPPORT OF THE MEP EQUIPMENT. THE THICKNESS OF MECHANICAL EQUIPMENT PADS SHALL BE COORDINATED WITH THE ARCHITECTURAL AND MEP DRAWINGS.
2. EXACT SIZES, LOCATIONS, HEIGHTS, AND ANY SPECIAL DETAILS FOR THE PADS SHALL BE OBTAINED FROM THE VENDORS BEFORE INSTALLATION OF THE PADS.
3. ALL EMBEDDED ITEMS SHALL BE COORDINATED WITH THE EQUIPMENT SUPPLIER.
4. USE DETAIL "B" ONLY UNDER EQUIPMENT SUPPORTED ON FLOATING SLABS. SEE MEP DRAWINGS FOR LOCATIONS.

5 EQUIPMENT PAD AND CURB DETAILS



NOTES:
1. LENGTH: GREATER OF 1.5tw OR 1 1/2".
2. HEIGHT: GREATER OF 1.0tw OR 1" BUT NEED NOT EXCEED 2"
3. R = 3/8" MIN. GRIND THE THERMALLY CUT SURFACES OF WELD ACCESS HOLES IN HEAVY SHAPES AS DEFINED IN AISC 360-10 SECTIONS A3.1(c) AND (d)
4. SLOPE "a" FORMS A TRANSITION FORM THE WEB TO THE FLANGE. SLOPE "b" MAY BE HORIZONTAL.
5. THE BOTTOM OF THE TOP FLANGE IS TO BE CONTOURED TO PERMIT THE TIGHT FIT BACKING BARS WHERE THEY ARE TO BE USED.
6. THE WEB-TO FLANGE WELD OF BUILT UP MEMBERS IS TO BE HELD BACK A DISTANCE OF AT LEAST THE WELD SIZE FORM THE EDGE OF THE ACCESS HOLE.

1 TYPICAL WELD ACCESS HOLE DETAIL



9 SECTION AT 3RD FLOOR

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TYPICAL STEEL FRAMING SECTIONS AND DETAILS

S302