



RFI #027: Civil - Drainage Basin Details

Revision	0	Status	Closed on 07/28/25
To	Luke Arbanas (Nabholz Construction Corporation)	From	Max Franklin (Nabholz Construction Corporation)
Date Initiated	Jul 7, 2025	Due Date	Jul 14, 2025
Location	Civil Expansion	Project Stage	Pre-Construction
Cost Impact	TBD	Schedule Impact	TBD
Spec Section			
Drawing Number	C3.1, C3.3, C6.1, C6.3	Reference	
Linked Drawings			
Copies To	Kevin Simpson (COMPLETE EXCAVATING INC), Rick Fobair (Nabholz Construction Corporation), Max Franklin (Nabholz Construction Corporation), Ryan Grimes (Nabholz Construction Corporation), Wayne Kufahl (Nabholz Construction Corporation), Lelan Olsen (Nabholz Construction Corporation)		
Priority	Medium		
Constraint			

Activity

Question	Question from Max Franklin Nabholz Construction Corporation on Monday, Jul 7, 2025 at 08:53 AM CDT Please reference the attached in regard to the following: Q1. DESIGN TEAM TO PROVIDE MISSOURI DOT REFERENCE, CURRENTLY TENNESSEE DOT STANDARDS PROVIDED. Q2. RIP-RAP CALLED OUT TO BE A MINIMUM DEPTH OF 1.5', HOWEVER, SECTION DETAIL SHOWS A DEPTH OF 8". DESIGN TEAM TO CLARIFY RIP-RAP DEPTH. Q3. CODE #5 IS REFERENCED WITHIN THE SECTION, HOWEVER, THERE IS NO CORRESPONDING KEYNOTE WITHIN THE LEGEND LABELED #5. DESIGN TEAM TO CLARIFY WHAT DETAIL #5 IS. Q4: DESIGN TEAM TO PROVIDE MORE DETAIL. Attachments DRAINAGE_BASIN_RFI_07.01.2025.pdf
Official Response	Response from Luke Arbanas Nabholz Construction Corporation on Monday, Jul 28, 2025 at 05:00 PM CDT CDG RESPONSE: PLEASE REFER TO CURRENT DETAIL (FROM PLANS DATED 2/6/25. Q1 - APWA STANDARDS ARE NOW REFERENCED. Q2 - THE DEPTH DISCREPANCY WAS ELIMINATED, USE 1.5' DEPTH (KEYNOTE 1 DESCRIPTION) Q3 - KEYNOTE 5 IS COMPACTED SUBGRADE. Q4 - REFER TO DETAILS PROVIDED ON C6.3 AND ADVISE IF ADDITIONAL DETAILS ARE NEEDED. Attachments RFI-027 - hca_lsmc_campus_expansion-rfi#027-civil_-_drainage_basin_rfi-2025.07.07_CDG REVIEWED.pdf

All Replies**Response from Luke Arbanas Nabholz Construction Corporation** on Monday, Jul 28, 2025 at 05:00 PM CDT

CDG RESPONSE:

PLEASE REFER TO CURRENT DETAIL (FROM PLANS DATED 2/6/25.

Q1 - APWA STANDARDS ARE NOW REFERENCED.

Q2 - THE DEPTH DISCREPANCY WAS ELIMINATED, USE 1.5' DEPTH (KEYNOTE 1 DESCRIPTION)

Q3 - KEYNOTE 5 IS COMPACTED SUBGRADE.

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Attachments[RFI-027 - hca_lsmc_campus_expansion-rfi#027-civil_-_drainage_basin_rfi-2025.07.07_CDG REVIEWED.pdf](#)



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Awaiting an Official Response

CDG RESPONSE:

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3 CONCI

2 **RIP-RAP OUTLET PROTECTION**
NOT TO SCALE

3 CONCI

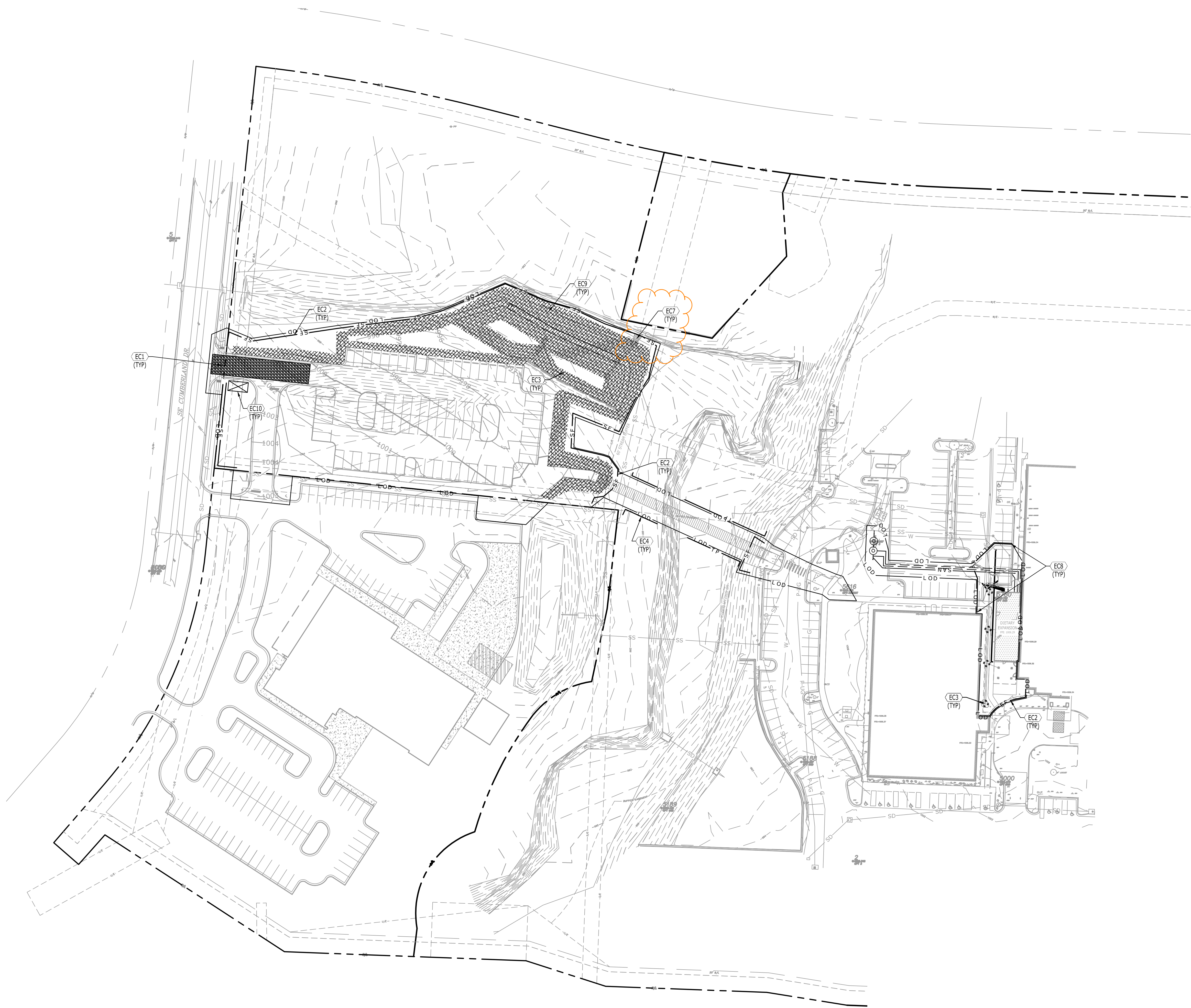
ASH-OUT

Q3. CODE #5 IS REFERENCED WITHIN THE SECTION, HOWEVER, THERE IS NO CORRESPONDING KEYNOTE WITHIN THE LEGEND LABELED #5. DESIGN TEAM TO CLARIFY WHAT DETAIL #5 IS. - NAB-MF-07.01.2025

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 - THE DEPTH DISCREPANCY WAS ELIMINATED, USE 1.5' DEPTH (KEYNOTE 1 DESCRIPTION)
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P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp.dwg(Construction)\20240037_ERO.dwg-C3.3 SEDIMENT AND EROSION CONTROL DETAILS Dec 04, 2024-wblissard

P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_ERC.dwg-C3.1 FINAL EROSION CONTROL PLAN Jan 31, 2025 whlsard



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
EC5	RIPPRAP OUTLET PROTECTION	2 / C3.3
EC6	EROSION EEL	1 / C3.3
EC7	TURF REINFORCEMENT MATTING	4 / C3.3
EC8	CONCRETE WASH-OUT	3 / C3.3

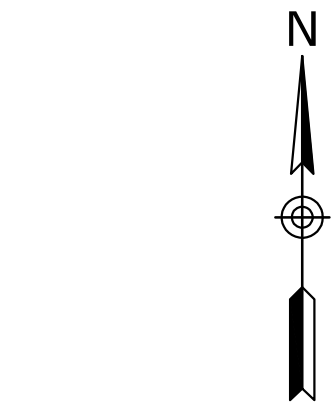
SITE DESCRIPTION AND NOTES:

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.

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

EROSION CONTROL NOTES:

- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE 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.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- 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.
- THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 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.
- 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.



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

DESIGN COORDINATION		DESCRIPTION
NO.	DATE	
1	2025/02/05	

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

Devenney
GROUP

Devenney Group Ltd., Architects

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Consultant:

Catalyst
DESIGN GROUP

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



IF THESE PLANS DO NOT BEAR THE SEAL OF A REGISTRANT, THEY ARE TO BE CONSIDERED "PRELIMINARY" AND ARE NOT TO BE USED FOR CONSTRUCTION OR RECORDING. THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER SEC. 102 OF THE COPYRIGHT ACT, 17 U.S.C. AS AMENDED (DECEMBER 1990) AND KNOWN AS "ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990." THE PROTECTION INCLUDES BUT IS NOT LIMITED TO THE OVERALL FORM AS WELL AS THE ARRANGEMENT AND COMPOSITION OF SPACES AND ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION, UNAUTHORIZED USE OF THESE PLANS CAN LEGALLY RESULT IN THE CESSATION OF CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY COMPENSATION TO DEVENNEY GROUP, LTD.

INPATIENT BED
EXPANSION

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

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

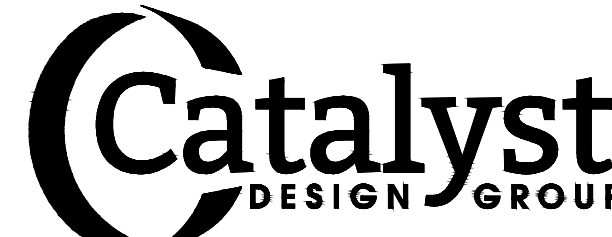
FINAL EROSION
CONTROL PLAN

C3.1



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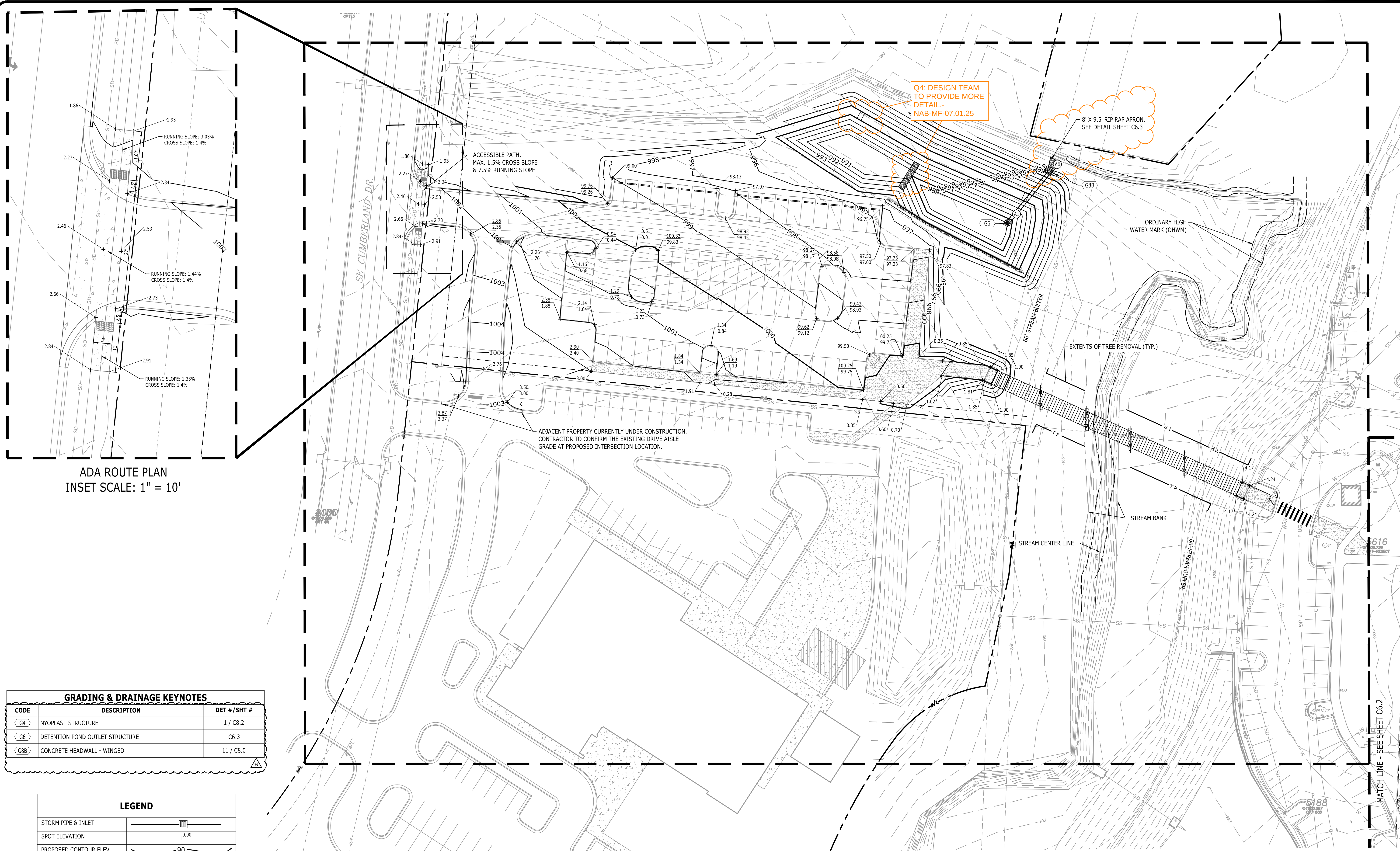
AGENCY APPROVALS:
AGENCY

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

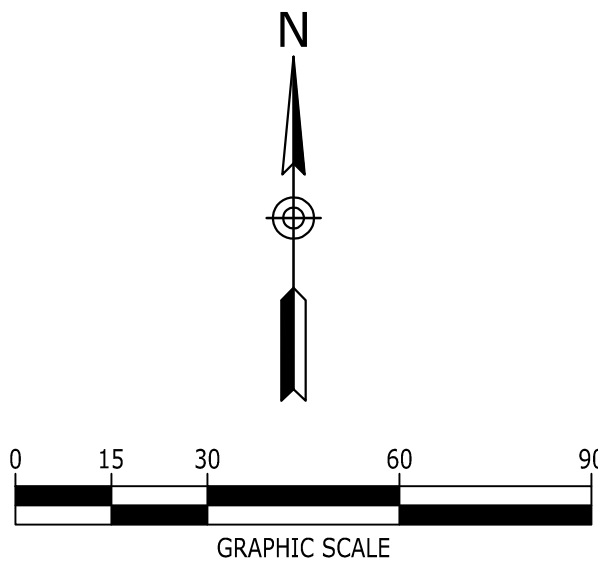
DETAILED GRADING
& DRAINAGE PLAN

C6.1



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

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



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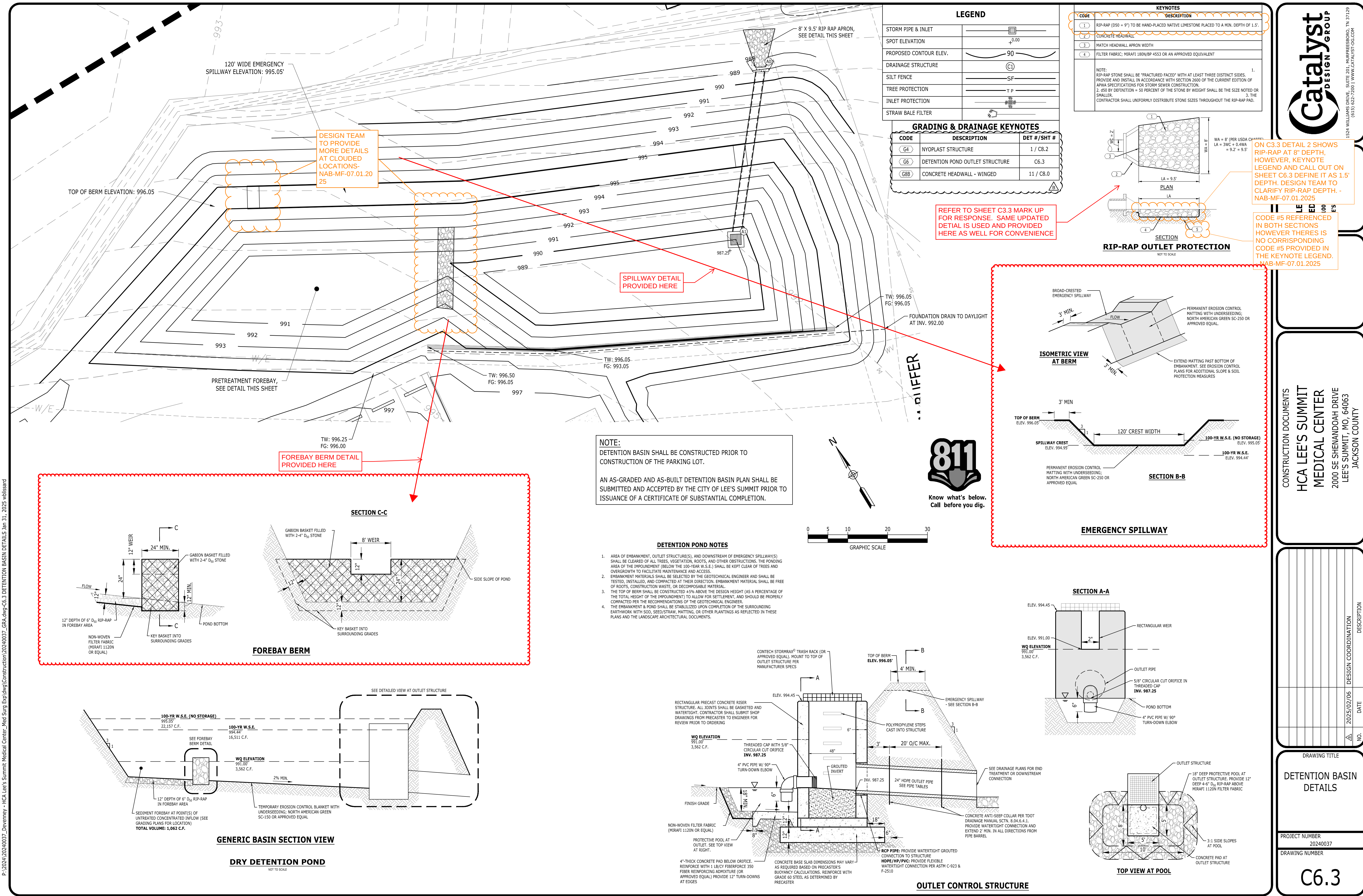
CONSTRUCTION DOCUMENTS
HCA LEE'S SUMMIT
MEDICAL CENTER
2000 SE SHENANDOAH DRIVE
LEE'S SUMMIT, MO. 64063
JACKSON COUNTY

DESIGN COORDINATION	
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1	2025/02/05

DRAWING TITLE
DETAILED GRADING
& DRAINAGE PLAN

PROJECT NUMBER
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DRAWING NUMBER
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P:\2024\20240037_Devenney - HCA Lee's Summit Medical Center_Med Surg Exp\dwg\Construction\20240037_GRA\dwg-C6.1 DETAILED GRADING & DRAINAGE PLAN Jan 31, 2025 wblissard



Devenney GROUP

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Consultant:

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STATE OF MISSOURI
JACK P. PARKER
NUMBER
PE-201948833
02/06/2025

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JACKSON COUNTY

INPATIENT BED EXPANSION

HCA - LEE'S SUMMIT MEDICAL CENTER

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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

REV #	DESCRIPTION	DATE
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REVISIONS

DATE: 2024/12/05

SCALE: 1:10

DRAWN: AP

REVIEWED: WB

JOB NUMBER: 6406.24

DETENTION BASIN DETAILS

C6.3

DETENTION BASIN DETAILS

C6.3

Autodesk Doc://16062-24-0001 - HCA - LSC MedSurg Expansion_14236406.24.0001 HCA - LSC MedSurg Expansion.rvt