

#### FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

Application # PRPWFP20250975

3/24/2025 Date:

TO THE ADMINISTRATOR: The undersigned hereby makes application for a permit to develop in a floodplain. The work to be performed, including flood protection works, is as described below and in attachments hereto. The undersigned agrees that all such work shall be done in accordance with the requirements of the Floodplain Management Ordinance, with all other applicable county/city ordinances, and the laws and regulations of the State of Missouri. TBD Joseph Snook, Administrator, City of Lee's Summit Parks and Recreation Builder Developer/Owner or Agent 220 SE Green Street, Lee's Summit, 64063 TBD A

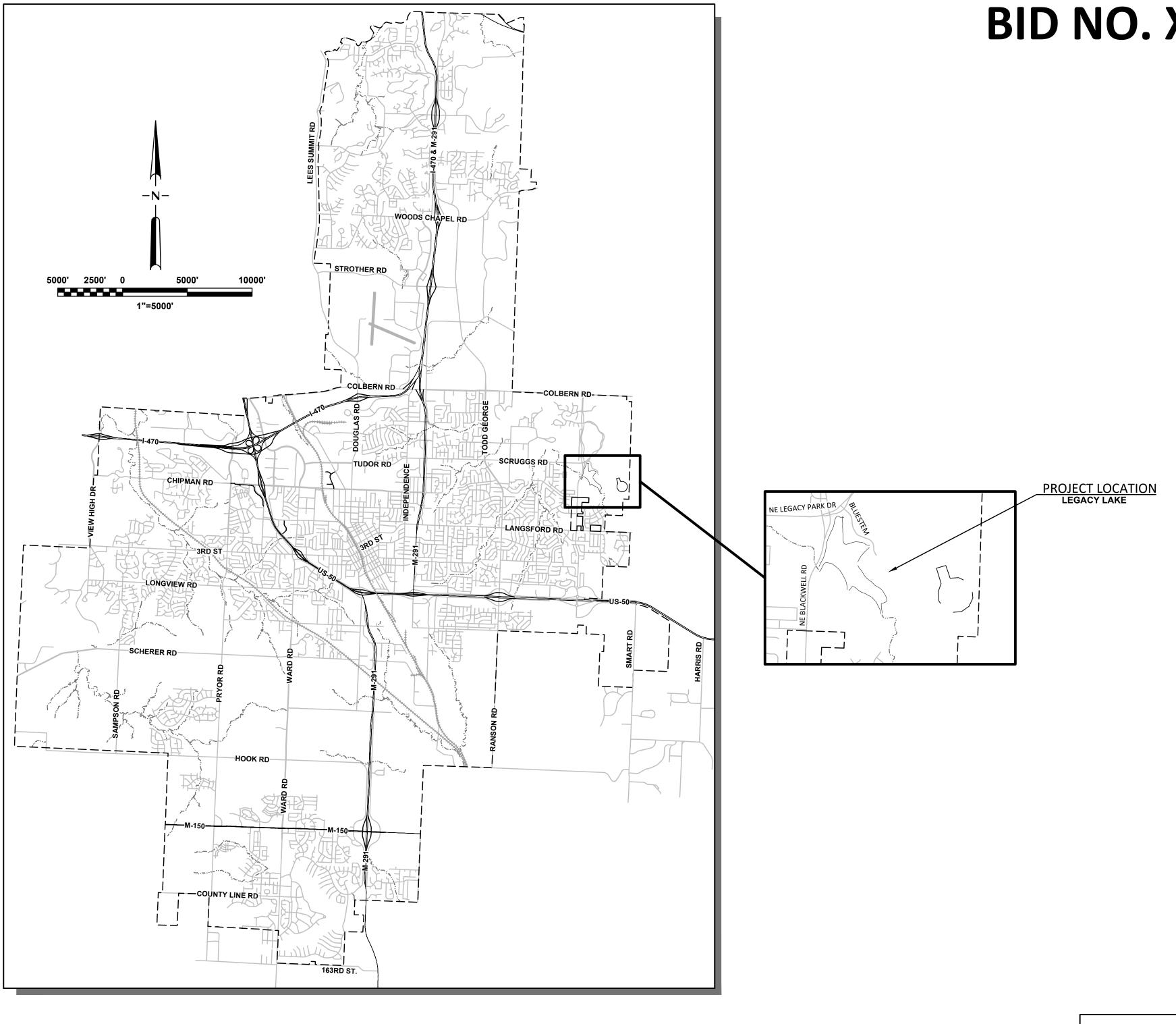
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SILE		-0		АП	

Add	ress	Address
816	6.969.1504, Joe.Snook@citofls.net	ТВО
Pho	ne eMail Address (required)	Phone
SITE 1.	E INFORMATION           SE         SE         1/4; Section         35         ;           Property Address:         901 Bluestern, Lee's Summit, MO 64086	Township; Range31W
2.	Type of Development: Filling Grading Excavation Routine Maintenance New Const	
3.	Description of Development:Dredging Legacy Lake to restore elevations to floodplains.	pre-existing conductris. An dreage material will be praced outside of
4.		e:N/Asq. ft. Uses (storage, parking, etc.):N/A
5.	Value of Improvement (fair market): \$ N/A Pre-Improv	vement/Assessed Value of Structure: \$N/A
6.	Property located in a designated FLOODWAY? Yes	No X (If Yes to Question 6, certification must be provided prior to permit issuance indicating this project will result in no increase in the 1%
7.	Property located in a designated floodplain FRINGE? Yes X Elevation of the 1% Base Elevation (ID source): 925, FIRM 29	No base flood elevations.)
8.	Dredging to take place dow	n to 906
9.	Elevation of the proposed development site.	MSENGVD
10.	Elevation/floodproofing requirement:N/A	MSL/NGVD
11.	Other floodplain elevation information/FIRM panel numbers (ID and describe	source): FIRM Panel 29095C0441G
12.	Other Permits required? Corps of Engineer 404 Permit: MO Dept. of Natural Resource	
NO	TE: All provisions of City of Lee's Summit UDO Article 6, Division II, Floodplai	n Management Ordinance, shall be in compliance.
AP	PLICATION APPROVAL/DENIAL	
Pla	Ins and Specifications Approved / Denied this	Day of, 20
Sig	natore of Developer/Owner	Authorizing Official
-	seph Snook, Adminstrator	D. (1)
IF A SUI	APPROVED, THIS PERMIT REQUIRES A CONDITION THAT THE LOWEST IBSTATNTIALLY-IMPROVED RESIDENTIAL BUILDING WILL BE ELEVATED OPOSED DEVELOPMENT IS A NON-RESIDENTIAL BUILDING, PERMIT AP CLUDING BASEMENT) OF A NEW OR SUBSTANTIALLY IMPROVED NON-I 2 FEET ABOVE THE BASE FLOOD ELEVATION.	FEET ABOVE THE BASE FLOOD ELEVATION. IF THE PROVAL WILL REQUIRE A CONDITION THAT THE LOWEST FLOOR RESIDENTIAL BUILDING WILL BE ELEVATED OR FLOODPROOFED.
	A CONTRACT OF A	IONAINED MULT PROVIDE CERTIFICATION BY A RECISTERED ENGINEE

THIS APPLICATION IS USED WITH THE CONDITION THAT THE DEVELOPER/OWNER WILL PROVIDE CERTIFICATION BY A REGISTERED ENGINEER, ARCHITECT, OR LAND SURVEYOR OF THE "AS-BUILT" LOWEST FLOOR (INCLUDING BASEMENT) ELEVATION OF ANY NEW OR SUBSTANTIALLY-IMPROVED BUILDING COVERED BY THIS PERMIT APPLICATION.



Public Works Engineering Division 220 SE Green Street | Lee's Summit, MO 64063 | P: 816.969.1800 | F: 816.969.1809 | Ispw.net



# VICINITY MAP





11"x17" PLOT WILL BE HALF SCALE UNLESS **OTHERWISE NOTED** 

# SHEET INDEX

GENER	AL
G001	COVER SHEET
G002	LEGENDS AND NOTES
G003	SOIL BORINGS
G004	SOIL BORINGS

## SITE PLANS

C100	OVERVIEW AND KEY MAP
C101	DREDGING PLAN
C102	SEDIMENT DISPOSAL
C103	DREDGING HEAT MAP
C104	SURFACE CROSS SECTIONS

# **DETAIL SHEETS**

DETAILS C501

DETAILS C502

## UTILITY COMPANIES **BEFORE EXCAVATING CALL: 1 (800) DIG-RITE**

<u>GAS</u> SPIRE ENERGY **RICHI GARCIA** (816) 507-0713 richi.garcia@spireenergy.com

ELECTRICITY EVERGY RON DEJARNETTE (816) 347-4316 1105 SE US HWY 40 BLUE SPRINGS, MO 64014 ron.dejarnette@evergy.com

TELEPHONE AT&T

**CRAIG PERKINS** (816) 275-2721 500 East 8th Street, Room 1152 Kansas City, MO 64106 CP0772@att.com

WATER & WASTEWATER LEE'S SUMMIT WATER UTILITIES (816) 969-1940 1200 SE HAMBLEN RD. LEE'S SUMMIT, MO 64081

STREETS & STORMWATER PUBLIC WORKS OPERATIONS DIVISION (816) 969-1870 1971 SE HAMBLEN RD. LEE'S SUMMIT, MO 64082

<u>SCHOOLS</u> LS R-7 SCHOOL DISTRICT TRANSPORTATION KEITH HENRY (816) 986-2405

LS R-7 SCHOOL DISTRICT FIBER OPTICS **KINZIE WOODERSON** (816) 986-105

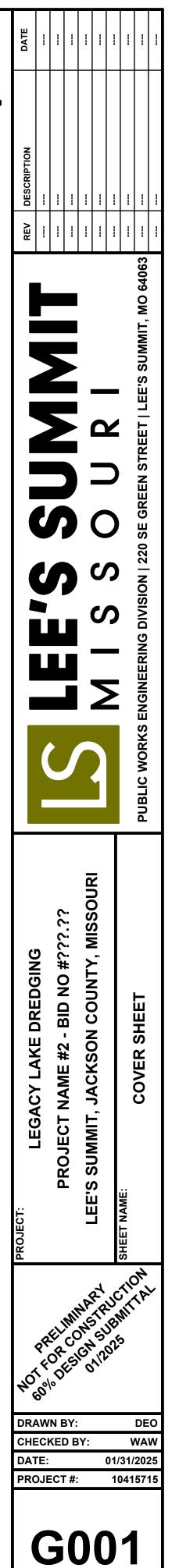
<u>CABLE</u> COMCAST JIM DUFF (816) 795-2257 3400 NW DUNCAN RD. BLUE SPRINGS, MO 64015 james\_duff@cable.comcast.com

GOOGLE FIBER ANDREA SAKLA (415) 736-9962 908 BROADWAY BLVD. KANSAS CITY, MO 64105 kc-google-uc@google.com

SPECTRUM (816) 508-7287 **TROY PREWITT, STEVE BAXTER** 8221 WEST 119TH STREET OVERLAND PARK, KS 66213 troy@cablem.com steve.baxter@twcable.com



NOTE: KNOWN UNDERGROUND UTILITIES IN THE VICINITY OF THE WORK ARE SHOWN ON THESE PLANS, ALTHOUGH OTHERS MAY EXIST. THE LOCATIONS SHOWN ARE BELIEVED TO BE REASONABLY CORRECT, BUT DO NOT PURPORT TO BE ABSOLUTELY SO. BEFORE STARTING WORK, THE CONTRACTOR SHALL GIVE NOTICE TO AND OBTAIN INFORMATION FROM EACH OWNER AND OPERATOR OF EXISTING UNDERGROUND FACILITIES IN ACCORDANCE WITH THE MISSOURI UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION STATUTE (RSMO CHAPTER 319.015 - 319.050).



## **GENERAL NOTES:**

- 1. ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS AND COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
- 2. CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE PROJECT AREA AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE ACTUAL JOB CONDITIONS PRIOR TO BIDDING AND THE START OF WORK. FAILURE TO VISIT THE PROJECT SITE SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE WORK IN ACCORDANCE TO THE PLANS, SPECIFICATIONS, SPECIAL **PROVISIONS AND CONTRACT.**
- 3. CONTRACTOR SHALL THOROUGHLY REVIEW AND BECOME FAMILIAR WITH THE PROJECT PLANS, SPECIFICATIONS AND ANY SPECIAL CONDITIONS OF THE CONTRACT DOCUMENTS PRIOR TO **BEGINNING CONSTRUCTION ON THE PROJECT.**
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, PAYING ALL FEES AND FOR OTHERWISE COMPLYING WITH ALL APPLICABLE REGULATIONS GOVERNING THE WORK.
- 5. THE MEANS OF THE WORK AND SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE **RESPONSIBILITY OF THE CONTRACTOR.**
- 6. ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SPECIFICALLY CALLED OUT, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE COMPLETION OF THIS WORK.
- 7. WORK WHICH DOES NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT WILL BE CONSIDERED UNACCEPTABLE. UNACCEPTABLE WORK, WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS OR ANY OTHER CAUSE, FOUND TO EXIST PRIOR TO THE FINAL ACCEPTANCE OF THE WORK, SHALL BE REMOVED AND REPLACED IN AN ACCEPTABLE MANNER, AS REQUIRED BY THE OWNER AT THE CONTRACTOR'S EXPENSE.
- 8. NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE.
- 9. DO NOT RESTRICT DRAINAGE CHANNELS. CONTRACTOR SHALL BE AWARE OF EXISTING DRAINAGE CONDITIONS AND FACILITIES AND SHALL ENSURE DRAINAGE IS MAINTAINED DURING AL PHASES OF CONSTRUCTION.
- 10. CONTRACTOR SHALL NOT BE ALLOWED TO WORK WEEKENDS OR HOLIDAYS WITHOUT REQUESTING PRIOR APPROVAL FROM THE OWNER THREE WORKING DAYS IN ADVANCE.
- 11. CONTRACTOR MUST MAINTAIN THRU TRAFFIC AT ALL TIMES. IF ONE LANE IS TEMPORARILY CLOSED, CONTRACTOR SHALL PROVIDE FLAGGERS AND SIGNAGE PER THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 12. ALL WORK SHALL BE WITHIN EXISTING CITY LEE'S SUMMIT PARKS AND RECREATION (LSPR) PROPERTY, UTILITY EASEMENTS OR TEMPORARY EASEMENTS.
- 13. ALL EXISTING UTILITIES INDICATED ON THE DRAWINGS ARE ACCORDING TO THE BEST INFORMATION AVAILABLE TO THE ENGINEER; HOWEVER ALL UTILITIES ACTUALLY EXISTING MAY NOT BE SHOWN. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE EXACT LOCATION OF SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE. CONTRACTOR SHALL HAVE EACH UTILITY MARKED BY **MISSOURI-ONE-CALL.**
- 14. CONTRACTOR SHALL NOTIFY LEES SUMMIT WATER UTILITIES DEPARTMENT ANDLSPR OPERATIONS STAFF AT LEAST 48 HOURS IN ADVANCE OF ANY WORK INVOLVING CLOSING OR **OPENING OF ANY WATER VALVES.**
- 15. CONTRACTOR SHALL NOTIFY UTILITY OWNERS AT LEAST 48 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ACROSS AND/OR ADJACENT TO UTILITIES.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, AND IF DAMAGED, RESTORING **EXISTING FACILITIES (CONCRETE, UTILITIES, FENCES, ETC.) TO PRE-CONSTRUCTION CONDITION** OR EQUAL. NO PAYMENT WILL BE MADE FOR THIS RESTORATION UNLESS LISTED IN THE CONTRACT UNIT PRICES.
- 17. ALL DISTURBED AREAS, INCLUDING ACCESS AND HAUL ROADS, ARE TO BE REWORKED TO THEIR EXISTING CONDITIONS AND SEEDED.
- 18. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING SURVEY MONUMENTS WHICH INCLUDE RIGHT OF WAY MARKERS AND PROPERTY PINS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH SURVEY MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. MONUMENTS SHALL BE REESTABLISHED BY A MISSOURI LICENSED LAND SURVEYOR IN ACCORDANCE WITH MISSOURI STATE LAWS AT CONTRACTOR'S EXPENSE.
- 19. CONTRACTOR SHALL AVOID DAMAGING TREES DURING THE PROJECT. ANY WORK THAT MAY DAMAGE TREES WILL BE ADDRESSED ON A CASE BY CASE BASIS.

## **TURBIDITY NOTES:**

- 1. EFFLUENT DISCHARGED FROM THE SEDIMENT CONTAINMENT BASIN SHALL BE NO GREATER THAN 25 NTU OVER THE AVERAGE LAKE TURBIDITY. CONTRACTOR SHALL ADJUST SEDIMENT CONTAINMENT BASIN OUTLET OR PROVIDE FLOATING TURBIDITY CURTAINS AS NECESSARY.
- 2. EFFLUENT TESTING SHALL BE DONE ON A DAILY BASIS AND LAKE TURBIDITY TESTED WEEKLY.
- 3. EFFLUENT TESTING SHALL OCCUR AT DISCHARGE PIPE LOCATION OR IMMEDIATELY OUTSIDE OF TURBIDITY CURTAIN. LAKE TURBIDITY TESTING SHALL BE WITHIN THE VICINITY OF THE LAKE SPILLWAY.

### **EROSION AND SEDIMENT CONTR**

- 1. CONTRACTOR SHALL BE RESPONSIBLE F NPDES PERMIT AND STORM WATER POLL AND REQUIRED CONTAINMENT STRUCTU COMPLETE REQUIRED INSPECTIONS, AND LOCAL, STATE, AND FEDERAL REQUIREM
- 2. CONTRACTORS SHALL IMPLEMENT BEST THIS PLAN AND SWPPP.
- 3. BMPS AND CONTROLS SHALL CONFIRM C **REQUIREMENTS OR MANUAL OF PRACTICI** ADDITIONAL CONTROLS AS DIRECTED BY
- 4. CONTRACTOR SHALL MINIMIZE CLEARING **REQUIRED BY THE GENERAL PERMIT. CLE** LIMITS SHOWN ON THE CONSTRUCTION PL
- 5. EROSION AND SEDIMENT CONTROL (ESC) INCLUDING MAINTAINING ESC SYSTEMS, **INSPECTING THE SITE IN ORDER TO REPAI** A1/2-INCH RAIN EVENT.
- 6. CONTRACTOR SHALL PROVIDE ADEQUATE ENTERING PAVEMENT, DITCHES, CREEKS, DREDGING OF SURFACE WATERS THAT RE SITES SHALL BE THE RESPONSIBILITY OF
- 7. STAGING LOCATION FOR CONSTRUCTION WITH AND APPROVED BY THE OWNER.
- 8. SUFFICIENT OIL AND GREASE ABSORBING MAINTAINED ON SITE OR READILY AVAILA SPILLS AND LEAKS.
- 9. DUST ON THE SITE SHALL BE CONTROLLE BASED OR TOXIC LIQUIDS FOR DUST SUP
- 10. RUBBISH, TRASH, GARBAGE, LITTER, OR C SEALED CONTAINERS. MATERIALS SHALL THROUGH THE ACTION OF WIND OR STOR WATERS OF THE STATE.
- 11. ALL STORM WATER POLLUTION PREVENT STORM WATER POLLUTION PREVENTION
- 12. DISTURBED PORTIONS OF THE SITE WHER STOPPED SHALL BE SEEDED BY THE CON THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- 14. ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW ARES SHALL BE PROTECTED FROM IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- RUNOFF VELOCITIES AND EROSION.
- PROJECT.
- GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION
- PROJECT.
- PRIOR TO CONSTRUCTION.
- DISCHARGE OF SEDIMENT AND OTHER POLLUTANTS FROM THE SITE.
- BORROW AND FILL AREAS.
- DEPOSITION.
- **REMOVAL OF THE SEDIMENT AND EROSION CONTROLS.**

ROL NOTES:	ABBRE	VIATIONS	
			EXISTING
FOR ALL DEPARTMENT OF NATURAL RESOURCES (DNR)	APPROX	APPROXIMATELY	
LLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS	ARV	AIR RELEASE VALVE	$\bowtie$
URES. THE CONTRACTOR SHALL IMPLEMENT, MAINTAIN,	BFV	BUTTERFLY VALVE	M
ND UPDATE THE SWPPP AS REQUIRED TO MEET ALL	BM	BENCHMARK	
MENTS.	BOL	BEGINNING OF LINE	
	DEPT	DEPARTMENT	
T MANAGEMENT PRACTICES (BMPS) AS REQUIRED BY	DI	DUCTILE IRON	$\odot$
	DIA	DIAMETER	
	DND	DO NOT DISTURB	8
CONFORM TO FEDERAL, STATE, OR LOCAL	E	EAST	$\oplus$
ICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT	EA	EACH	
BY PERMITTING AGENCY OR OWNER.	ESMT	EASEMENT	□ GM
	ELEC	ELECTRIC	П МВ
NG TO THE MAXIMUM EXTEND PRACTICAL OR AS	EL	ELEVATION	Ø PP
LEARING SHALL NOT OCCUR OUTSIDE THE PROJECT	EOL	END OF LINE	Ø FF
PLANS UNLESS APPROVED BY THE OWNER IN WRITING.	ENGR	ENGINEER	O PA
	ESC	EROSION AND SEDIMENT CONTROL	
C) SHALL BE THE CONTRACTOR'S RESPONSIBILITY	FO	FIBER OPTIC	
, REPLACING DAMAGED OR FAILED ESC DEVICES, AND	GV	GATE VALVE	O UGM
AIR THE ESC SYSTEM WITHIN 24 HOURS AFTER	HDPE	HIGH DENSITY POLYETHYLENE	
	HOR	HORIZONTAL	OHP
	LN	LANE	UGE
TE ESC TO PREVENT SOIL AND/OR DEBRIS FORM	LF	LINEAR FOOT	
S, YARDS OR SURFACE WATERS. REPAIRER OR	LS	LUMP SUM	SAN
RECEIVE STORM WATER RUNOFF FROM THE PROJECT	MODOT	MISSOURI DEPT. OF TRANSPORTATION	W W
OF THE CONTRACTOR.	MJ	MECHANICAL JOINT	
	Ν	NORTH	STM
IN EQUIPMENT AND MATERIALS SHALL BE COORDINATED	NTS	NOT TO SCALE	G G
	PE	POLYETHYLENE	UGT
	PVC	POLYVINYL CHLORIDE	001
NG MATERIALS AND FLOTATION BOOMS SHALL BE	PC	POWER & CABLE POLE	—— FO —— FO ——
ABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL	PT	POWER & TELEPHONE POLE	UGTV
	PTC	POWER, TELEPHONE, & CABLE POLE	
	PROJ	PROJECT	
LED. THE USE OF MOTOR OILS AND OTHER PETROLEUM	RJ	RESTRAINED JOINT	—— RW —— RW —
PPRESSION OPERATIONS IS PROHIBITED.	R/W	RIGHT OF WAY	———— P/L ————— P/L ———
	S	SOUTH	——————————————————————————————————————
OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO	SF	SILT FENCE	PE PE
LL BE PREVENTED FROM LEAVING THE PREMISES	SS	SANITARY SEWER	TCE
DRM WATER DISCHARGE INTO DRAINAGE DITCHES OR	SSC	SOLID SLEEVE COUPLING	ICL
	ST	STORM SEWER	
	SW	SOUTHWEST	
NTION MEASURES PRESENTED ON THIS PLAN, AND IN THE	SY	SQUARE YARD	
N PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.	STA	STATION	
	T/E	TRASH ENCLOSURE	
ERE CONSTRUCTION ACTIVITY HAS PERMANENTLY	U.E.	UTILITY EASEMENT	
ONTRACTOR. THESE AREAS SHALL BE SEEDED NO LATER	UTIL	UTILITY	
	W	WEST	

WEST

13. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS

**EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES.** STOCKPILE AND BORROW AREA LOCATION SHALL BE NOTED ON THE SITE MAP AND PERMITTED

15. SLOPES SHALL BE LEFT IN ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURE (SILT FENCES, STRAW WATTLES, ETC.) TO PREVENT EROSION THROUGH THE DURATION OF THE

17. ALL CONSTRUCTION SHALL BE ESTABLISHED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF

18. AN UPDATED COPY OF THE SWPPP SHALL BE KEPT ONSITE FOR THE DURATION OF THE

19. ALL SUBCONTRACTORS ENGAGED IN ACTIVITIES AT THE CONSTRUCTION SITE THAT COULD IMPACT STORM WATER MUST BE IDENTIFIED AND COMPLETE A CERTIFICATION STATEMENT

20. CONTRACTOR SHALL BE RESPONSIBLE FOR STABILIZING ALL AREAS DISTURBED BY BASIN CONSTRUCTION INCLUDING ACCESS ROUTES, STAGING AREAS, AND STOCKPILE AREAS.

21. THIS PLAN SHOWS THE LOCATION AND DETAILS OF BMPS TO BE INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING EROSION AND DISCHARGE OF SEDIMENT AND OTHER POLLUTANTS FROM THE SITE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE NECESSARY BMPS DURING ALL PHASES OF CONSTRUCTION REGARDLESS OF WHETHER THEY ARE SPECIFICALLY NOTED ON THIS PLAN, INCLUDING BMP ADDITIONS OR CHANGES APPROVED BY THE PROJECT MANAGER, AND SHALL MAINTAIN AND REPLACE CONTROLS AS NECESSARY DURING CONSTRUCTION TO CONTROL EROSION AND MINIMIZE THE

22. SEDIMENT REMOVED FROM BMPS AND FACILITIES SHALL NOT BE PLACED ON STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND SHALL BE IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS OFF-SITE

23. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT DEPOSITION, THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE BMPS TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT

24. AFTER FINAL STABILIZATION HAS BEEN ACHIEVED WITH 70% PLANT DENSITY OVER 100% (WITH THE WATER QUALITY INSPECTORS APPROVAL) OF THE SITE OR OTHER PERMANENT MATERIALS PER CHAPTER 16, TEMPORARY EROSION AND SEDIMENTATION CONTROLS SHALL BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS SHALL BE STABILIZED IMMEDIATELY, THE CONTRACTOR OR THEIR REPRESENTATIVE MUST NOTIFY THE WATER QUALITY INSPECTOR TO SCHEDULE A MEETING AT THE SITE TO REVIEW FINAL STABILIZATION MEASURES AND

## LEGEND

WATER VALVE WATER METER SANITARY SEWER MANHOLE POWER/TRAFFIC SIGNAL POLE FIRE HYDRANT **TREE/LARGE BRUSH** STORM INLET/JUNCTION BOX GAS METER MAIL BOX POWER POLE **POWER ANCHOR** SIDEWALK UNDERGROUND UTILITY MARKER PROPOSED

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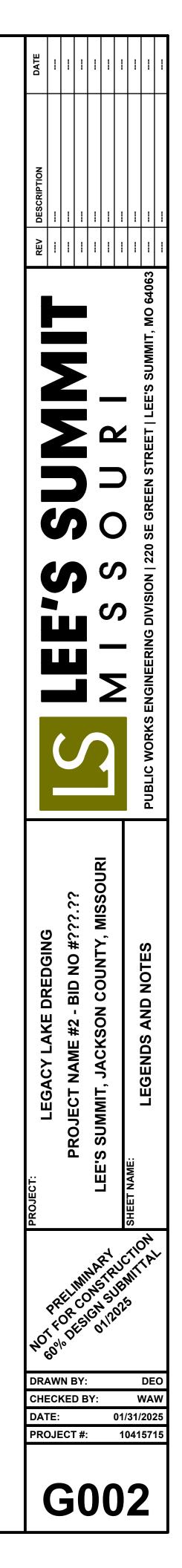
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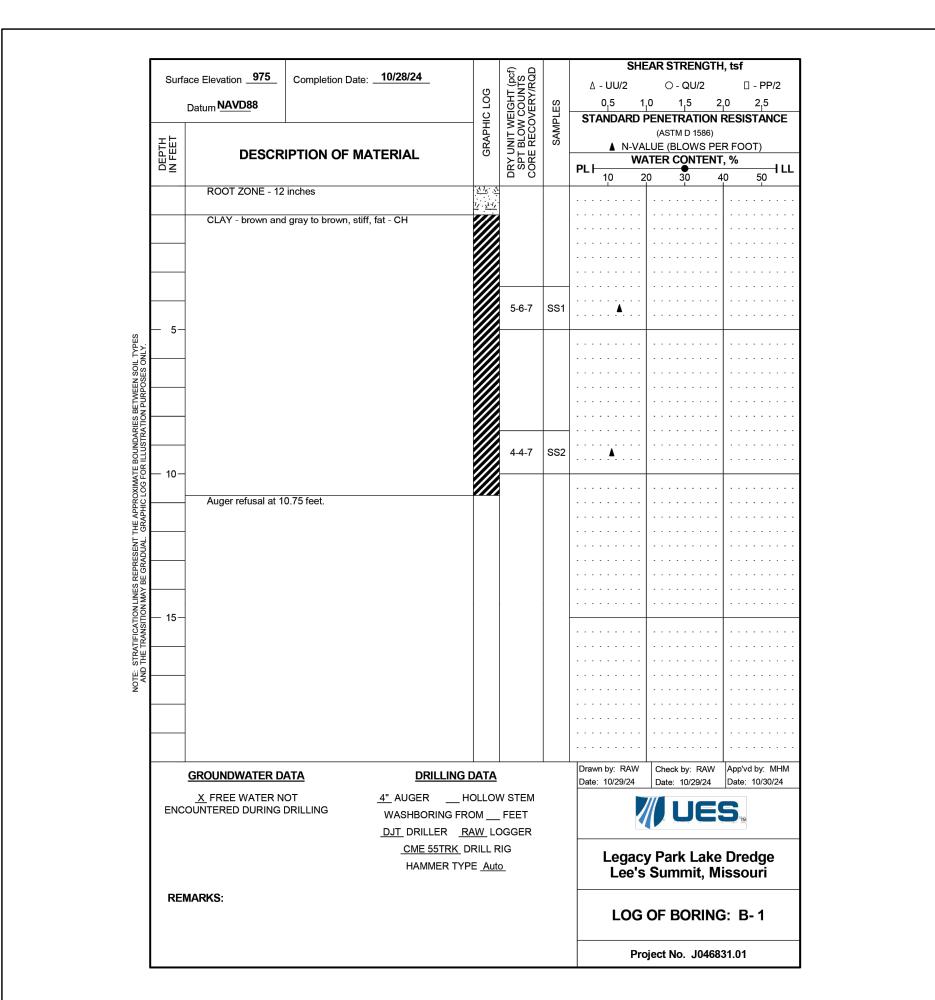
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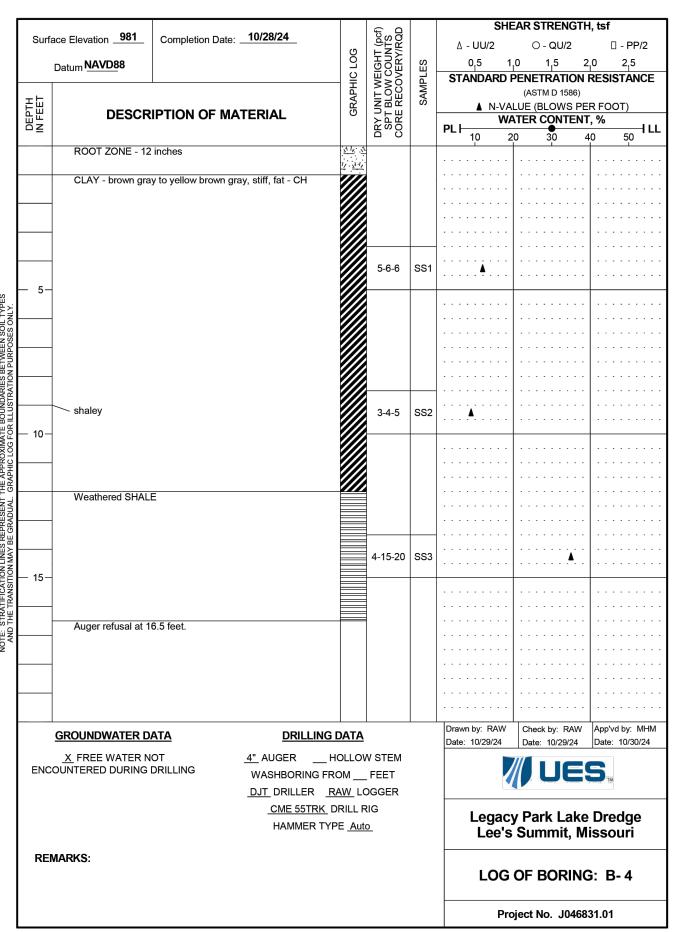
OVERHEAD ELECTRIC UNDERGROUND ELECTRIC SANITARY SEWER WATER LINE STORM SEWER UNDERGROUND GAS LINE UNDERGROUND TELEPHONE — FO — UNDERGROUND FIBER OPTIC UNDERGROUND CABLE TV SECTION LINE

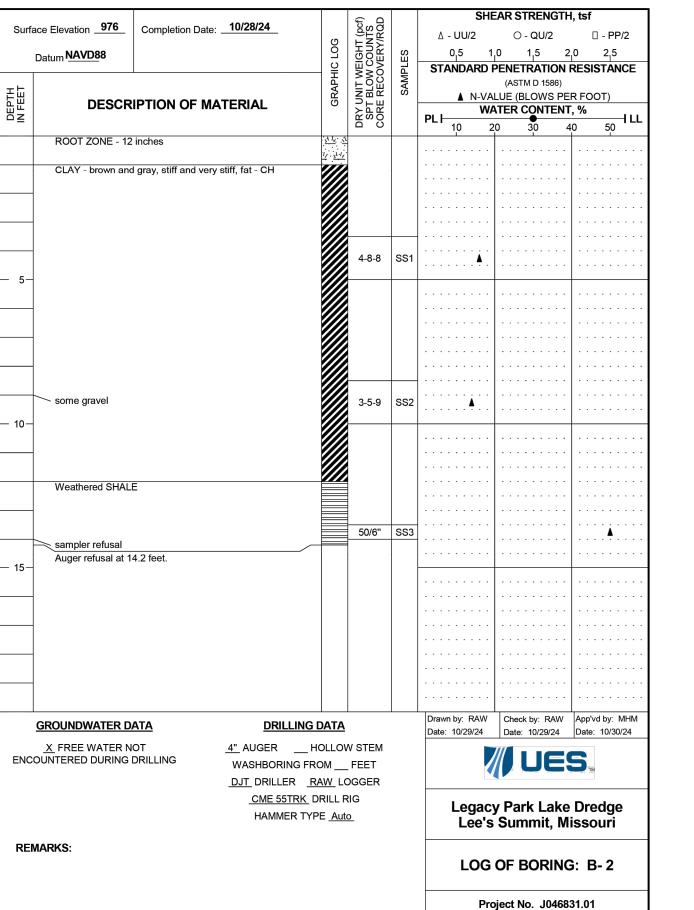
**RIGHT-OF-WAY LINE** — RW —— — P/L — LOT LINE

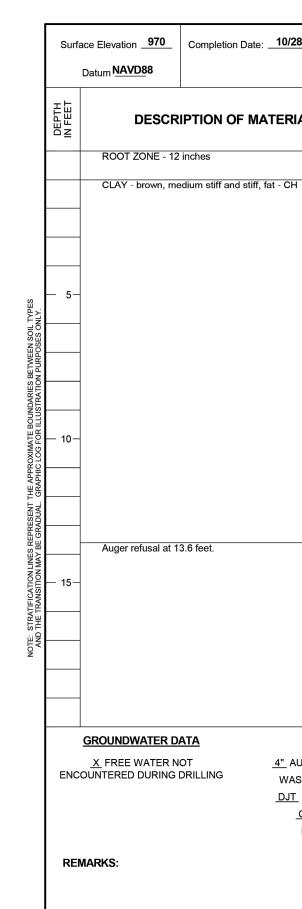
— PE — PERMANENT EASEMENT LINE **TEMPORARY EASEMENT LINE** 

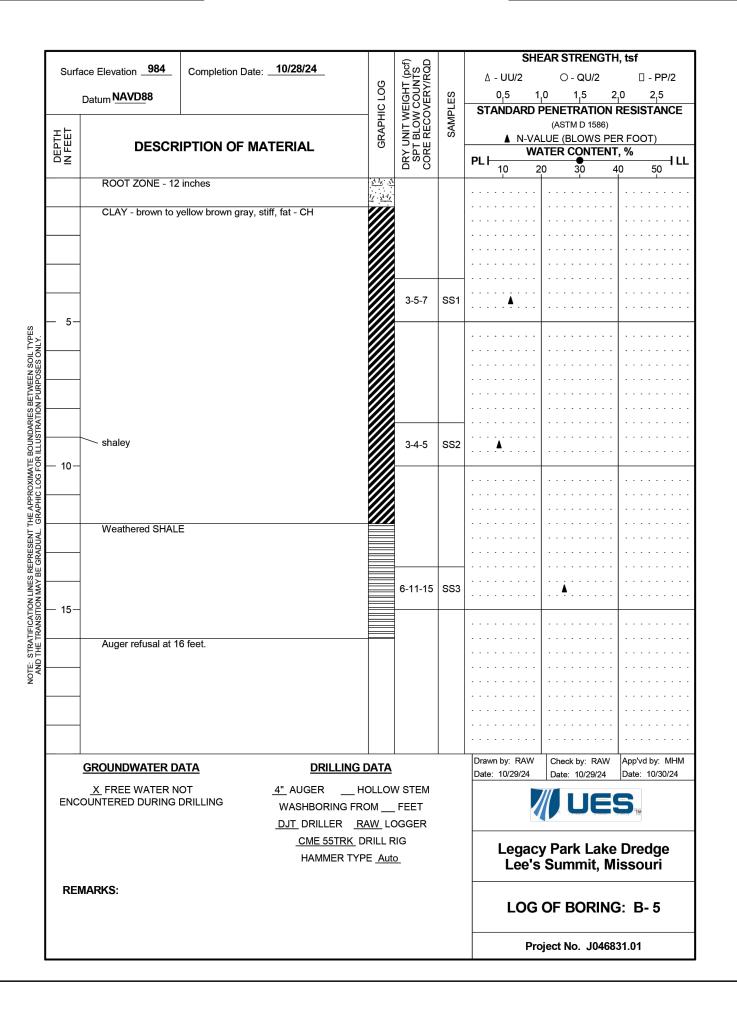




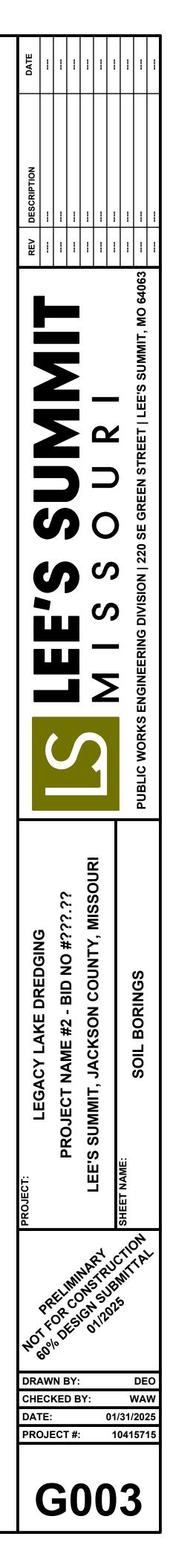


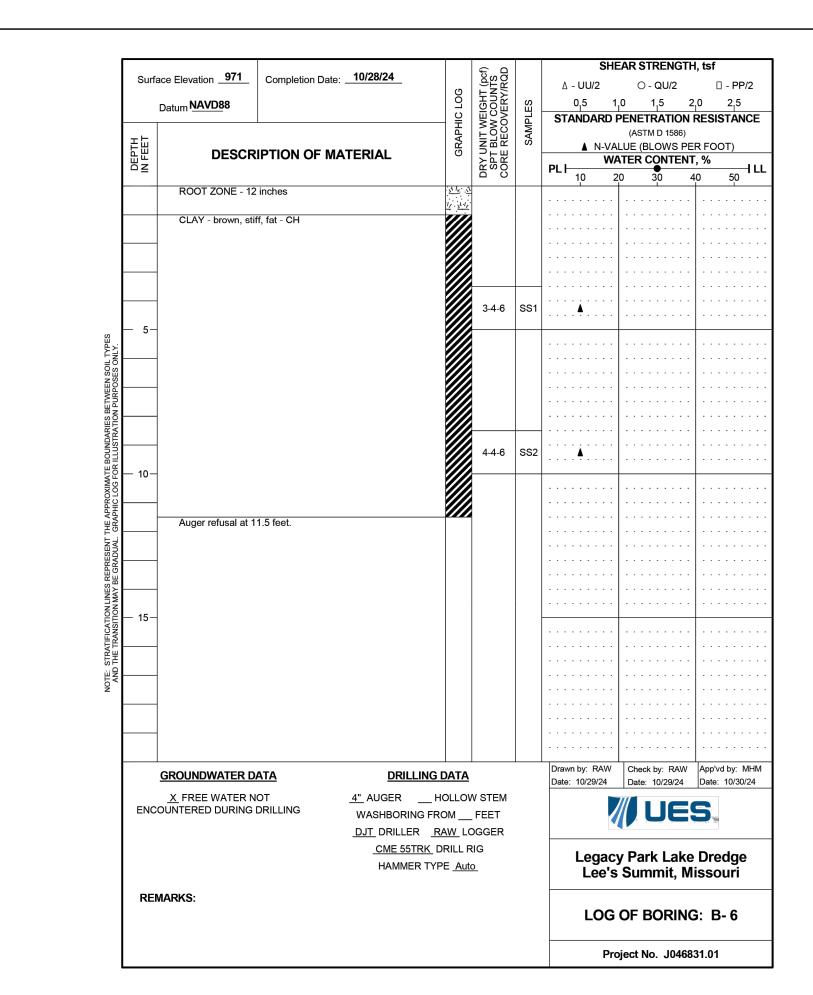


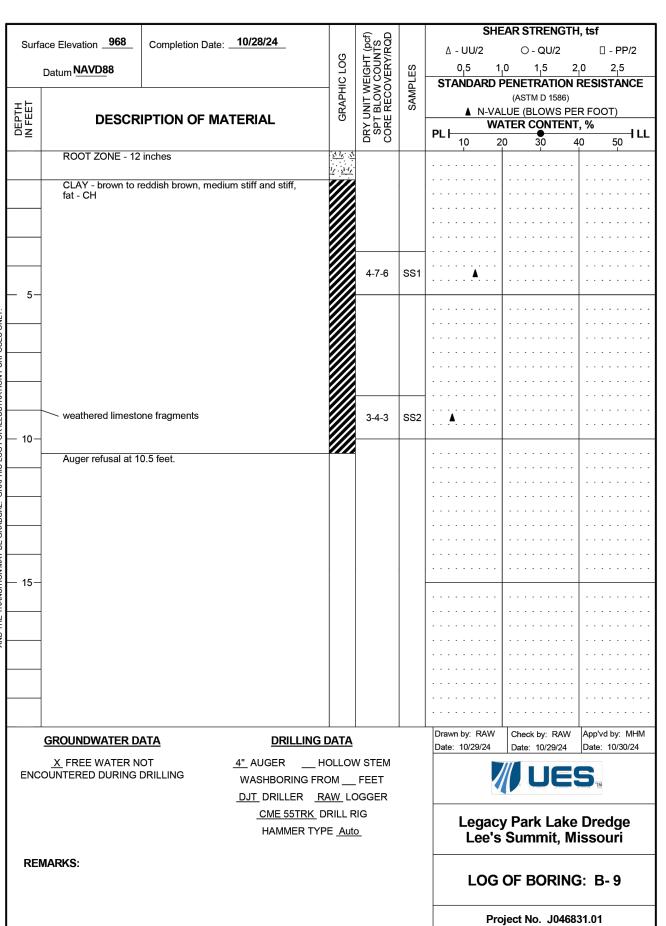


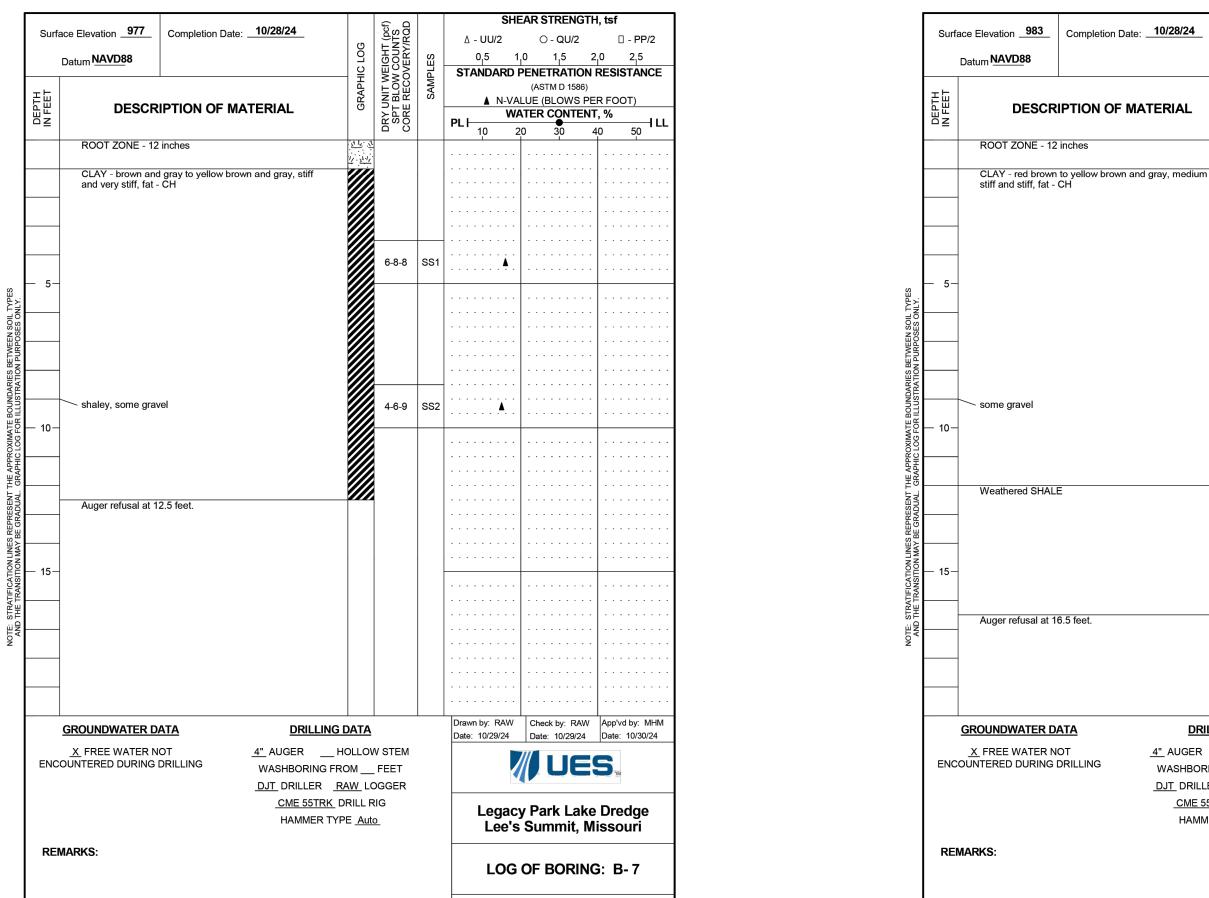


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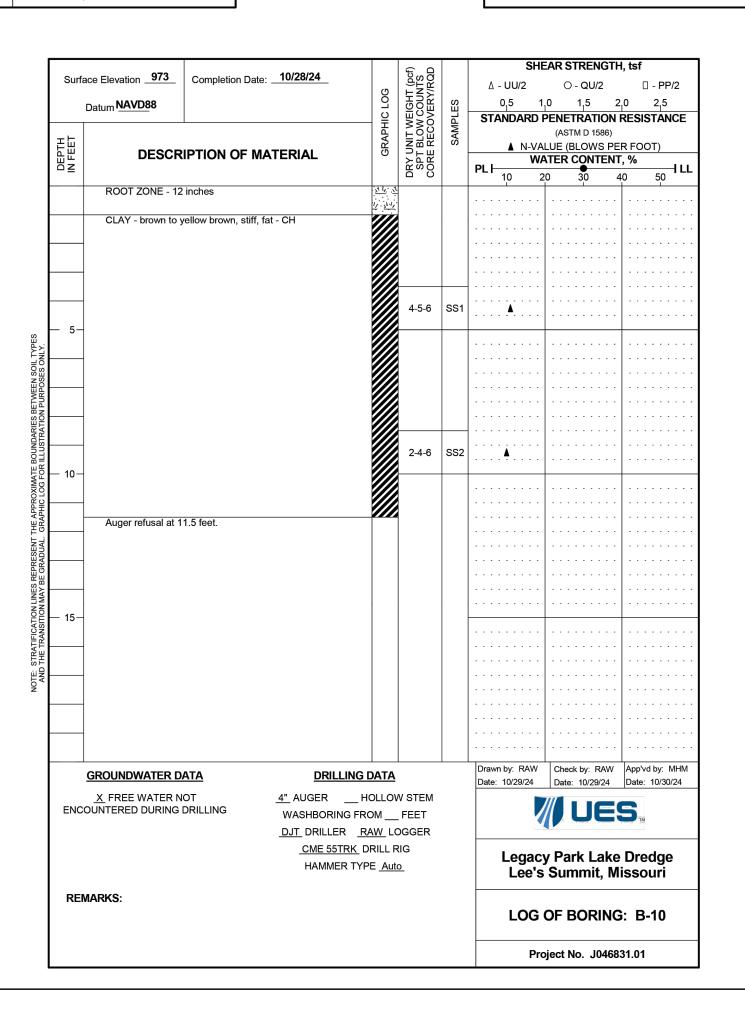


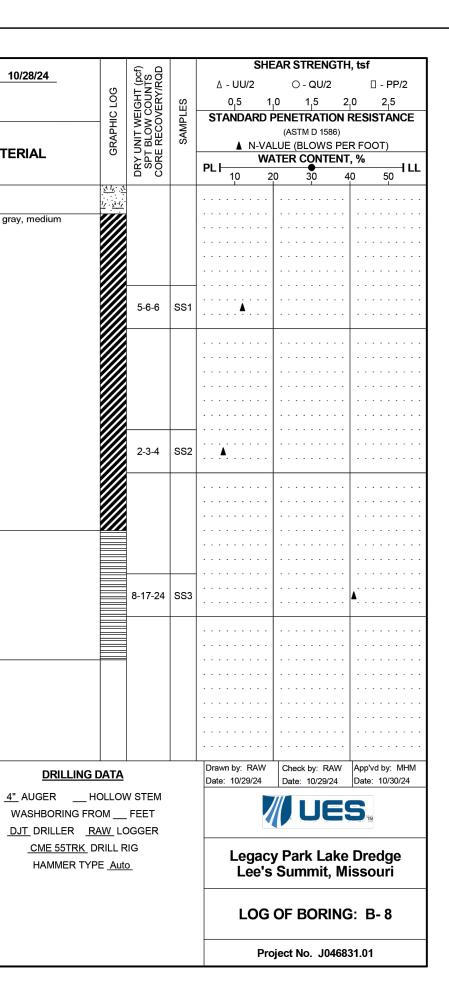


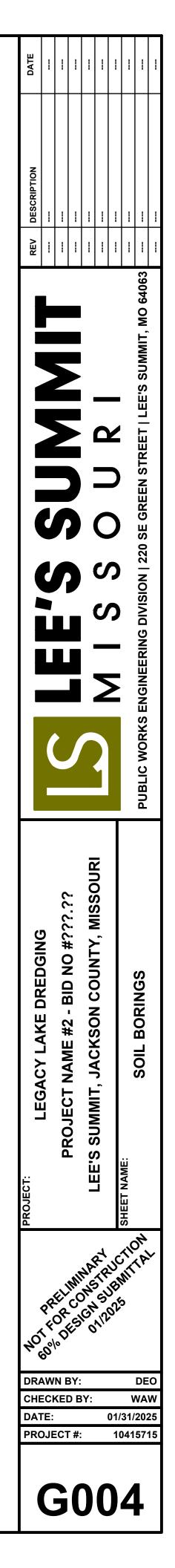


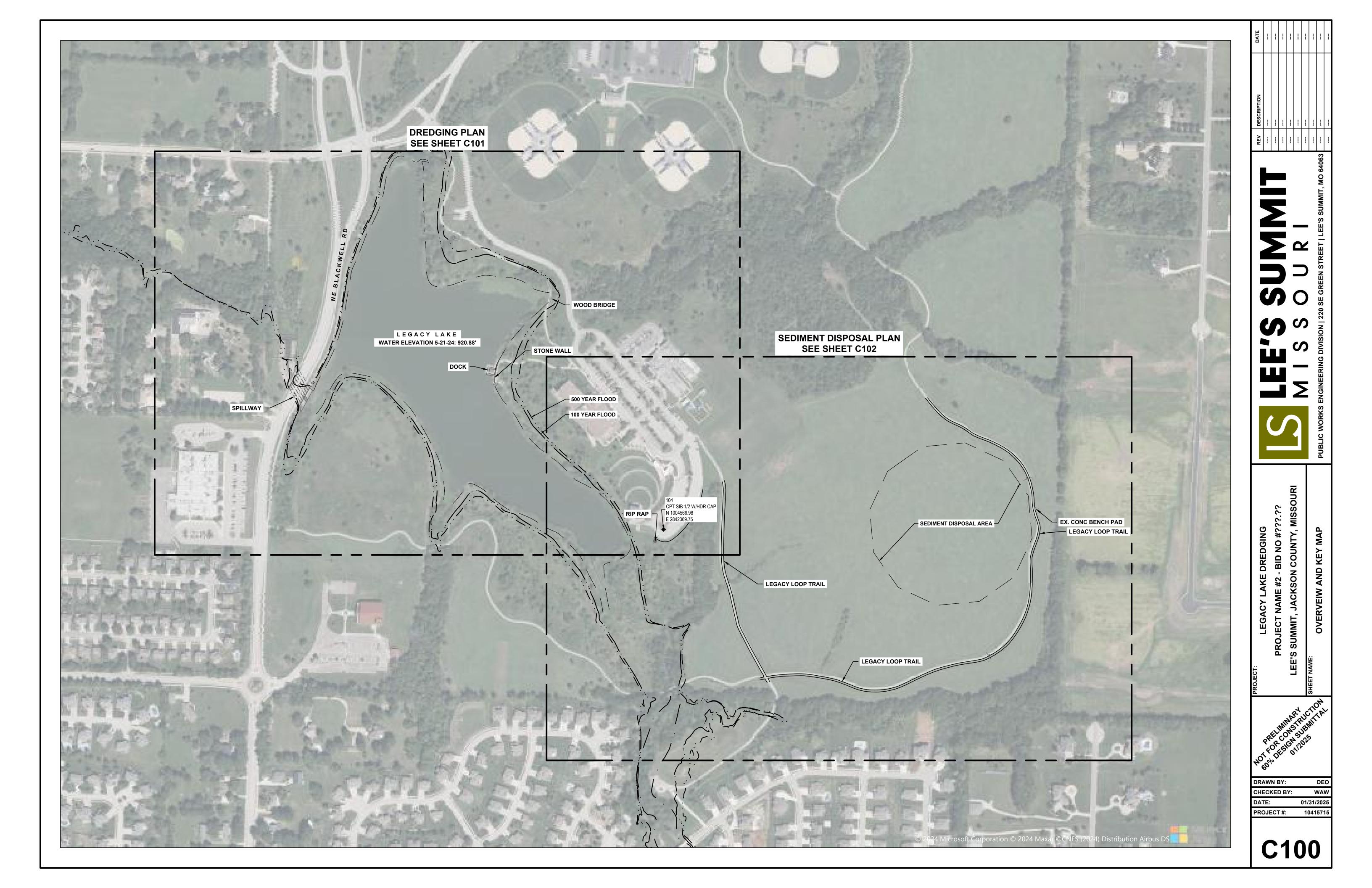


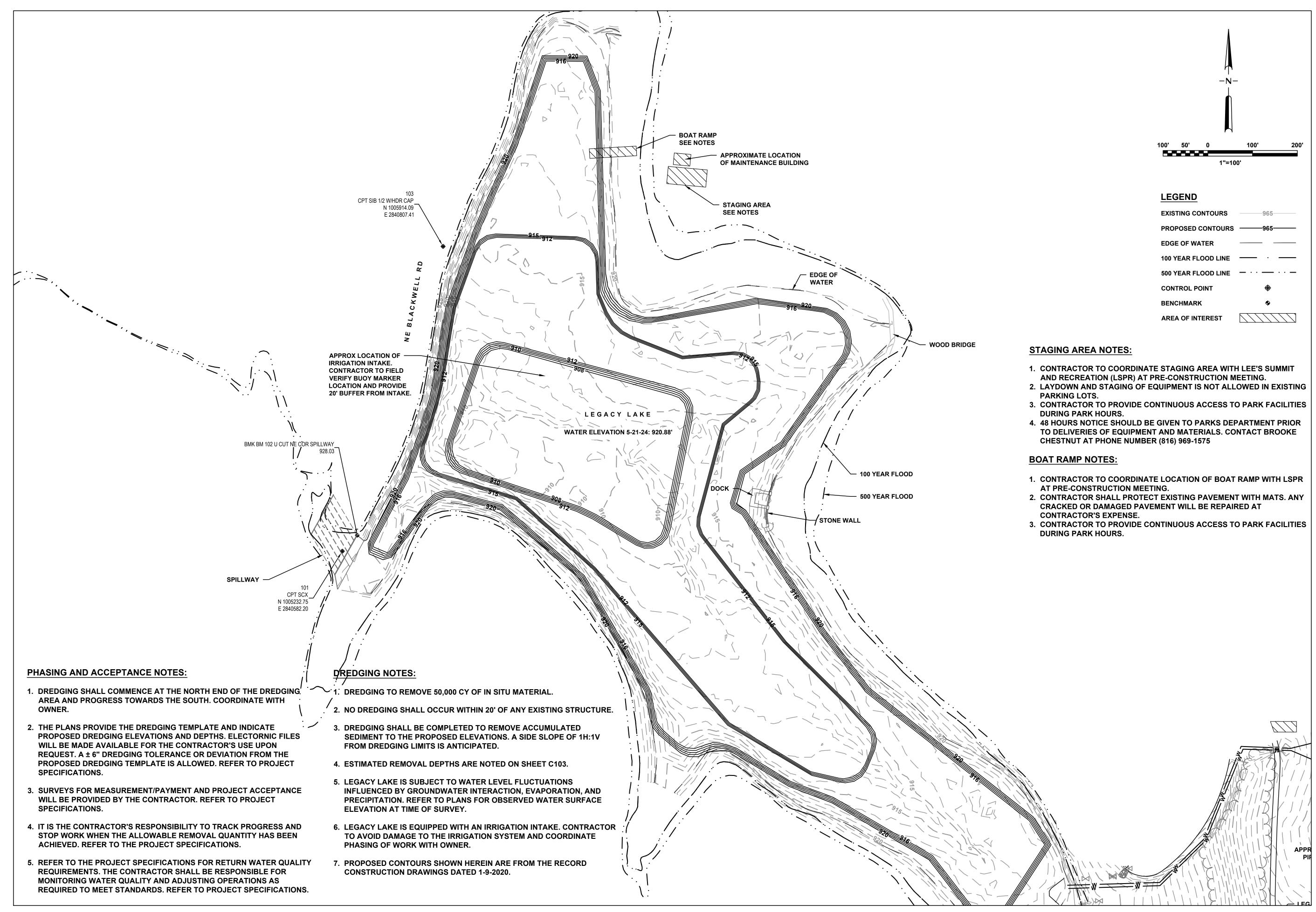
Project No. J046831.01

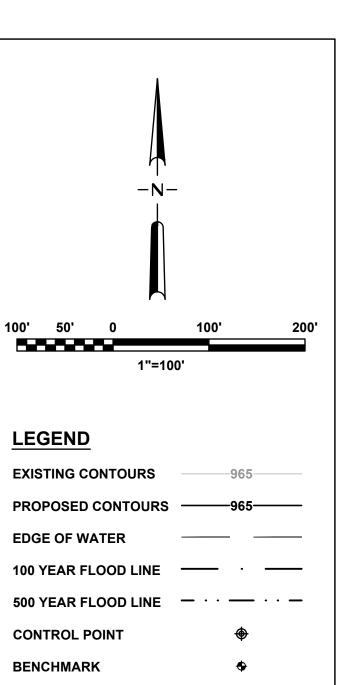


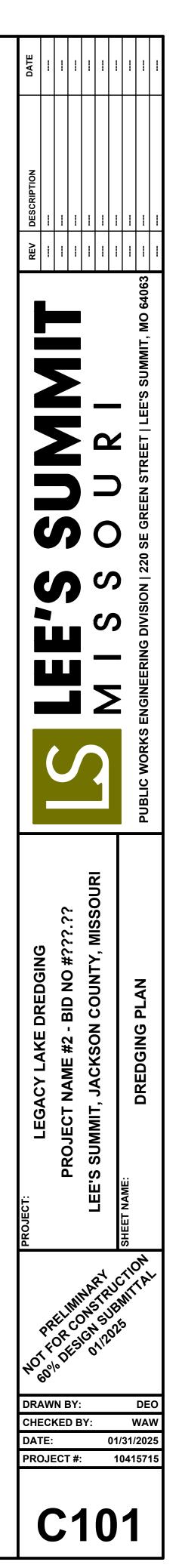


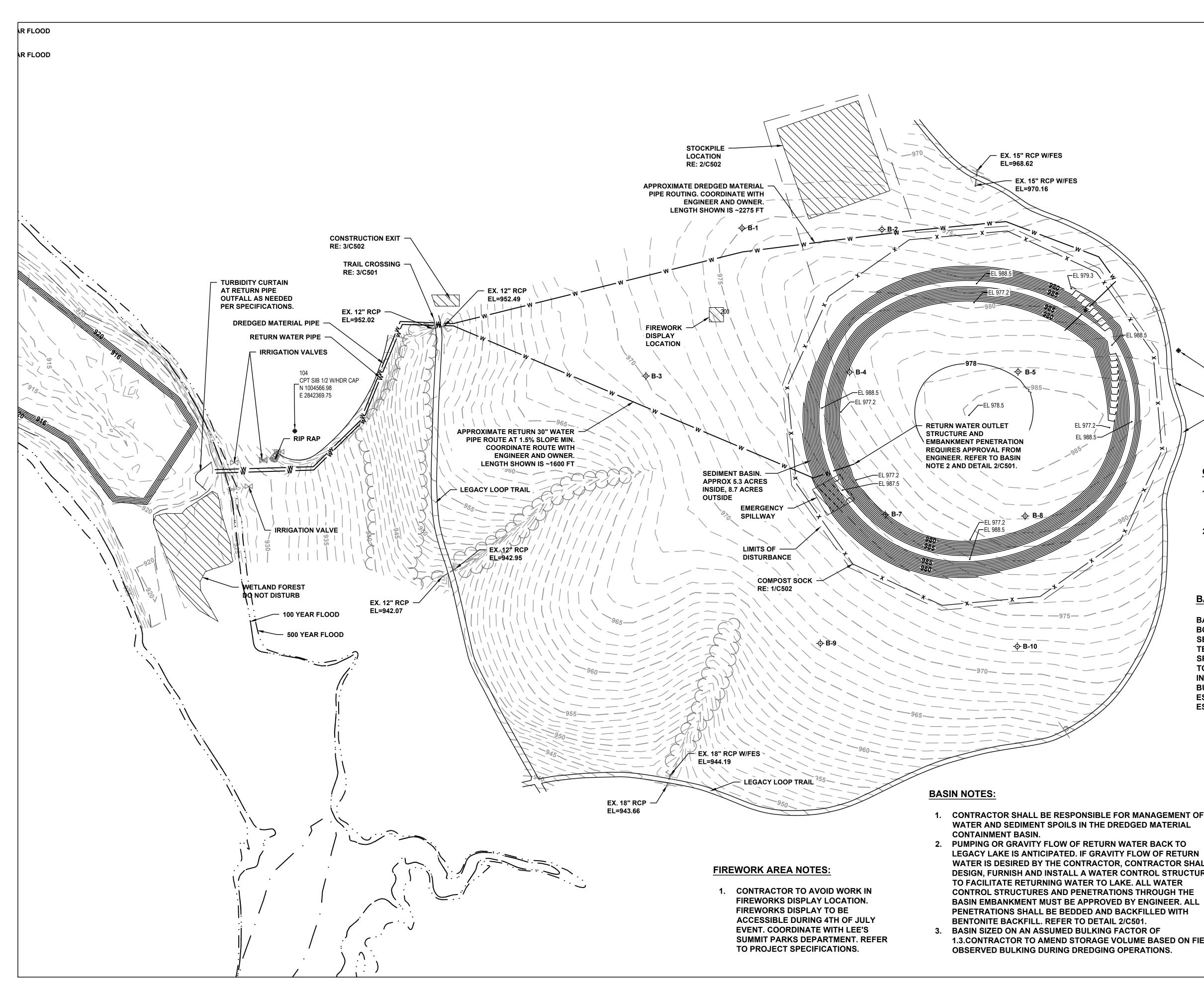


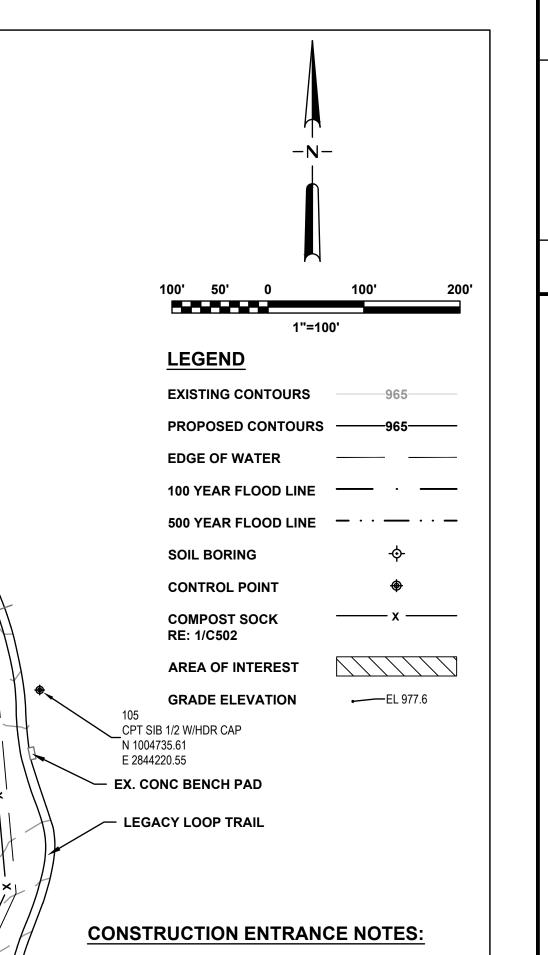










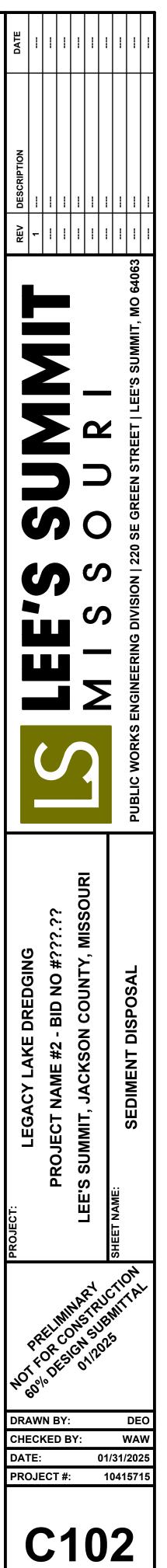


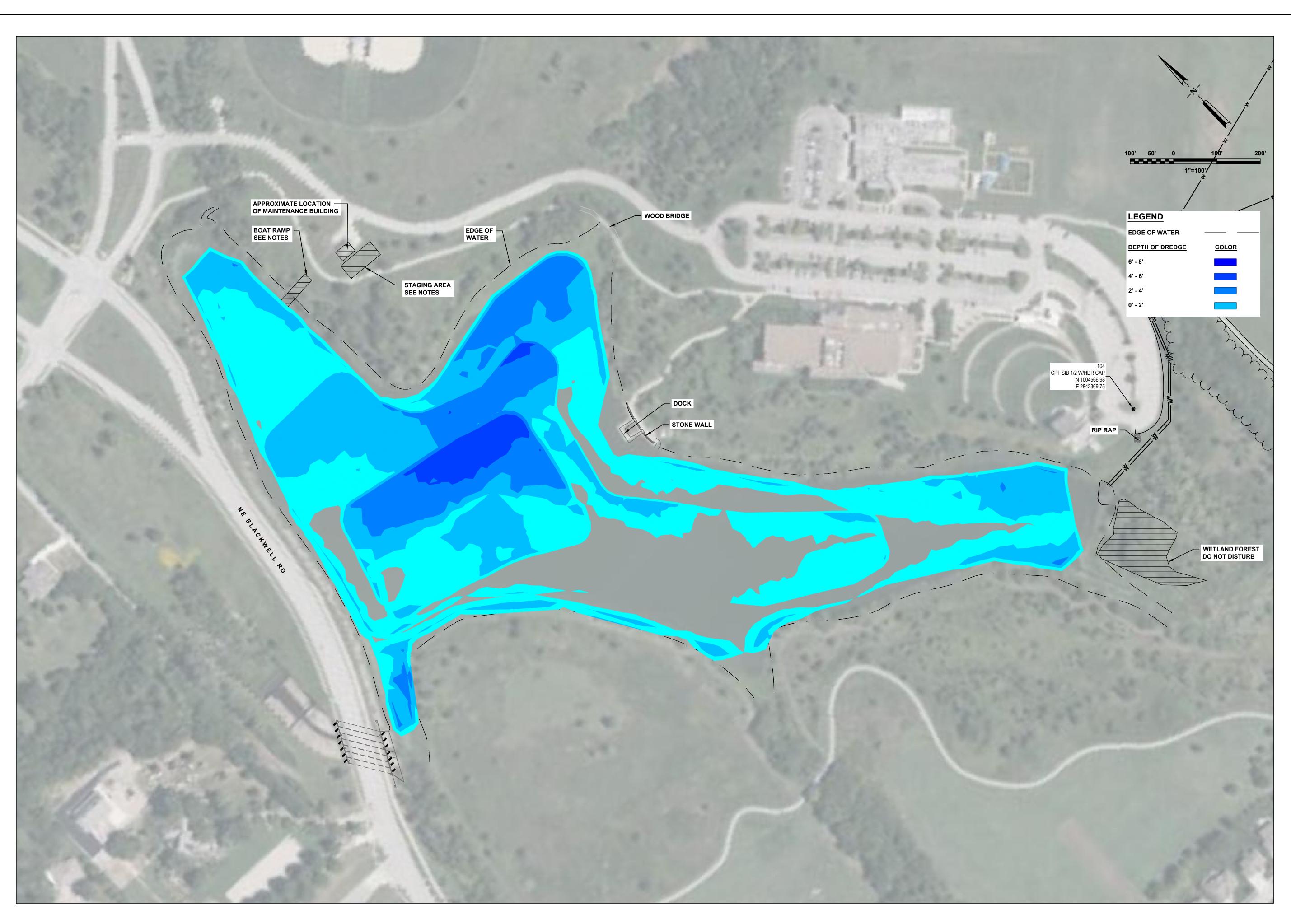
- **1. CONTRACTOR TO COORDINATE LOCATION TO** CONSTRUCTION ENTRANCE WITH LEE'S SUMMIT PARK AND RECREATION (LSPR) AT **PRE-CONSTRUCTION MEETING.**
- 2. CONTRACTOR SHALL ADJUST EROSION CONTROLS AND PRACTICES AS NECESSARY TO KEEP PARKING LOT FREE FROM DEBRIS AND TRACKOUT.

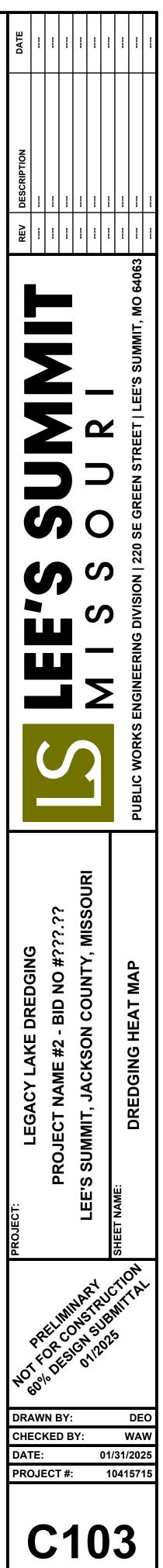
# **BASIN PARAMETERS:**

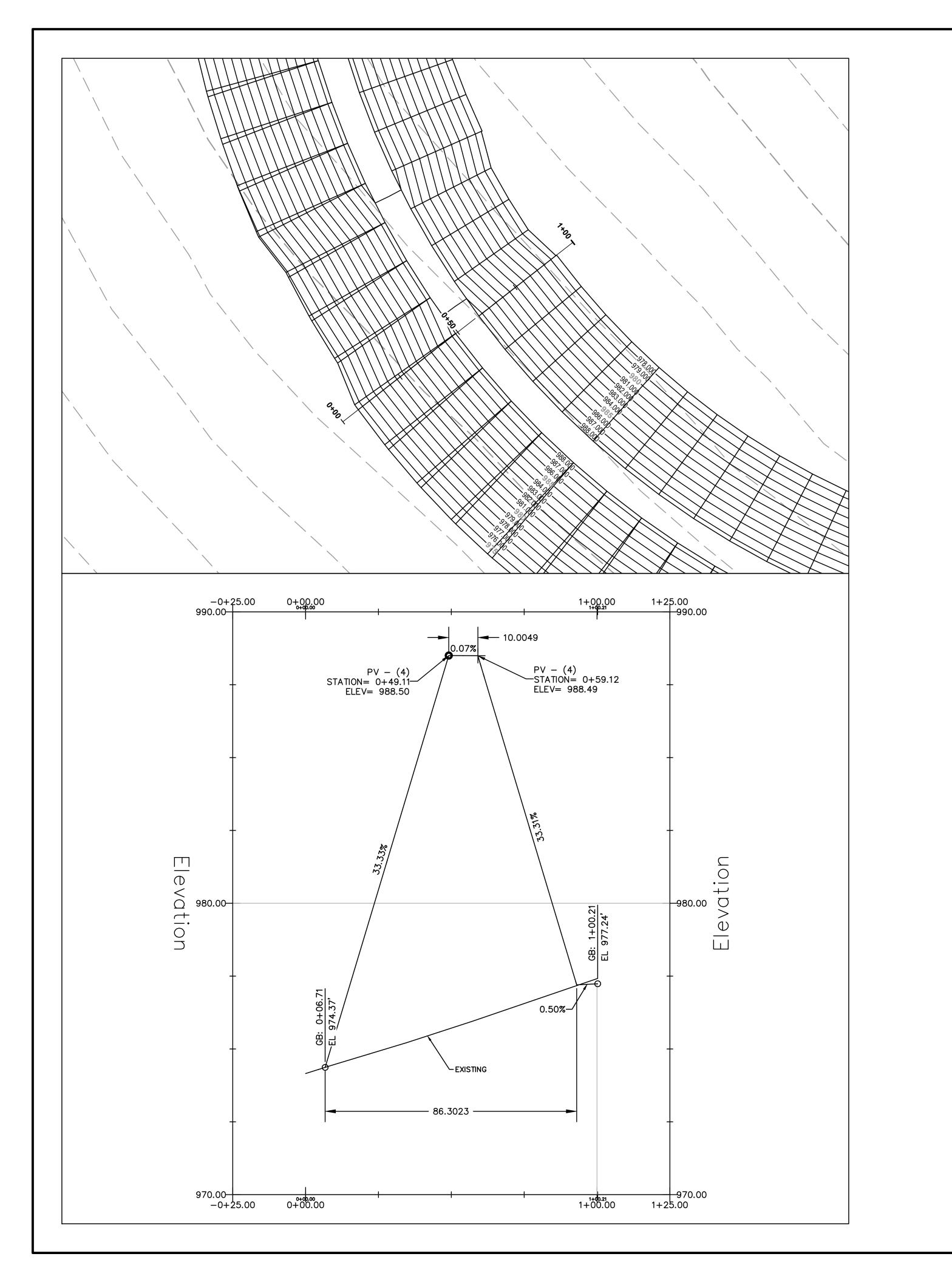
**BASIN FOOTPRINT = 8.7 ACRES** BOTTOM OF POND = 977.2' SEDIMENT STORAGE EL = 985.0' TEMPORARY POOL EL = 987.0' SPILLWAY EL = 987.5' **TOP OF BERM EL = 988.5'** IN SITU SEDIMENT VOLUME = 50,000 CY **BULKING FACTOR = 1.3** ESTIMATED SEDIMENT STORAGE = 65,000 CY ESTIMATED VOLUME AT SPILLWAY = 91,000 CY

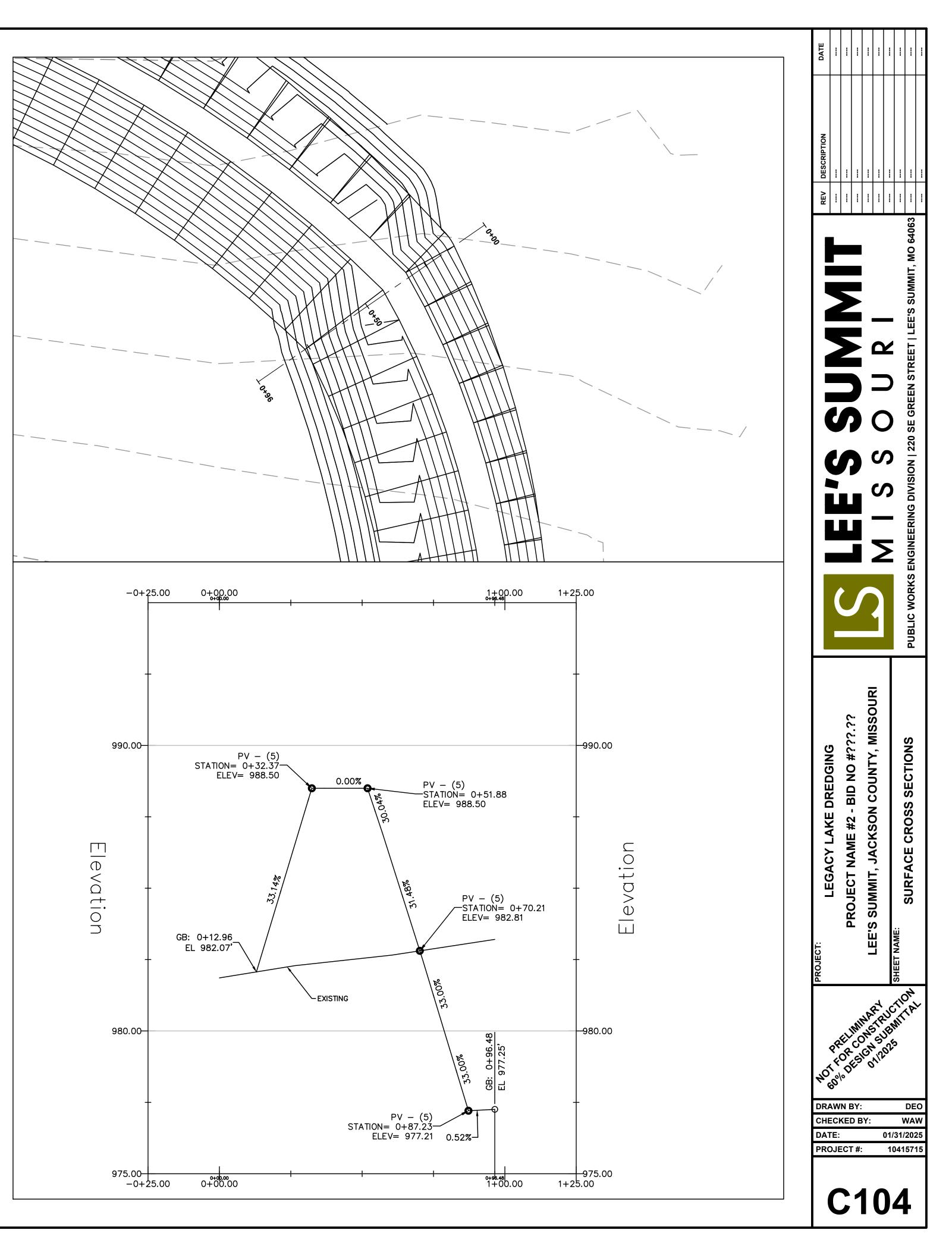
	STAGE STOP	RAGE TABLE
	ELEVATION	VOLUME (CY)
	977.2	0
	978.0	1,837
	979.0	9,939
F	980.0	18,695
	981.0	27,652
	982.0	36,813
LL RE	983.0	46,180
κc	984.0	55,756
	985.0	65,541
	986.0	75,554
	987.0	85,765
ELD	988.0	96,247
	988.5	101,618

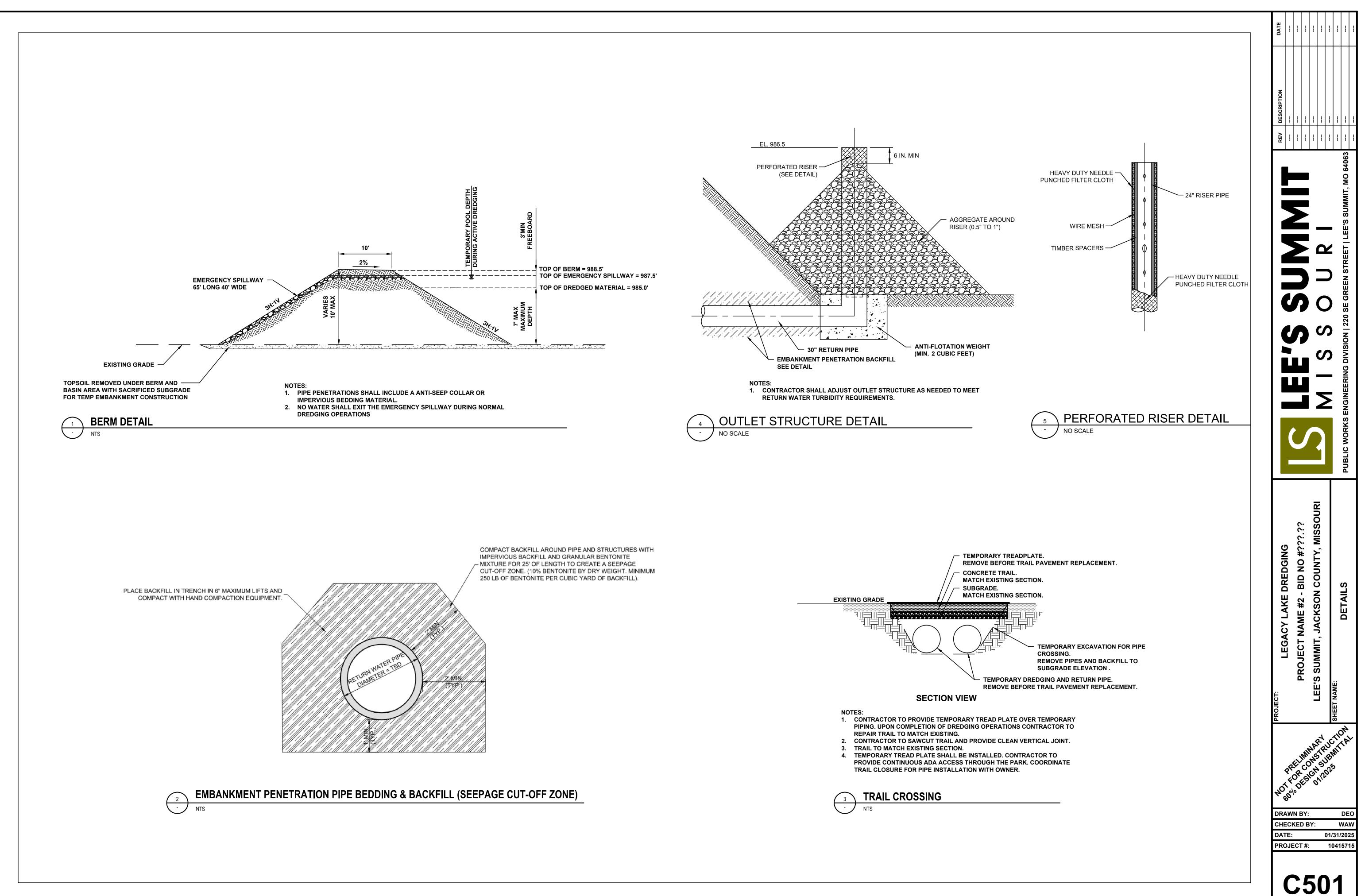


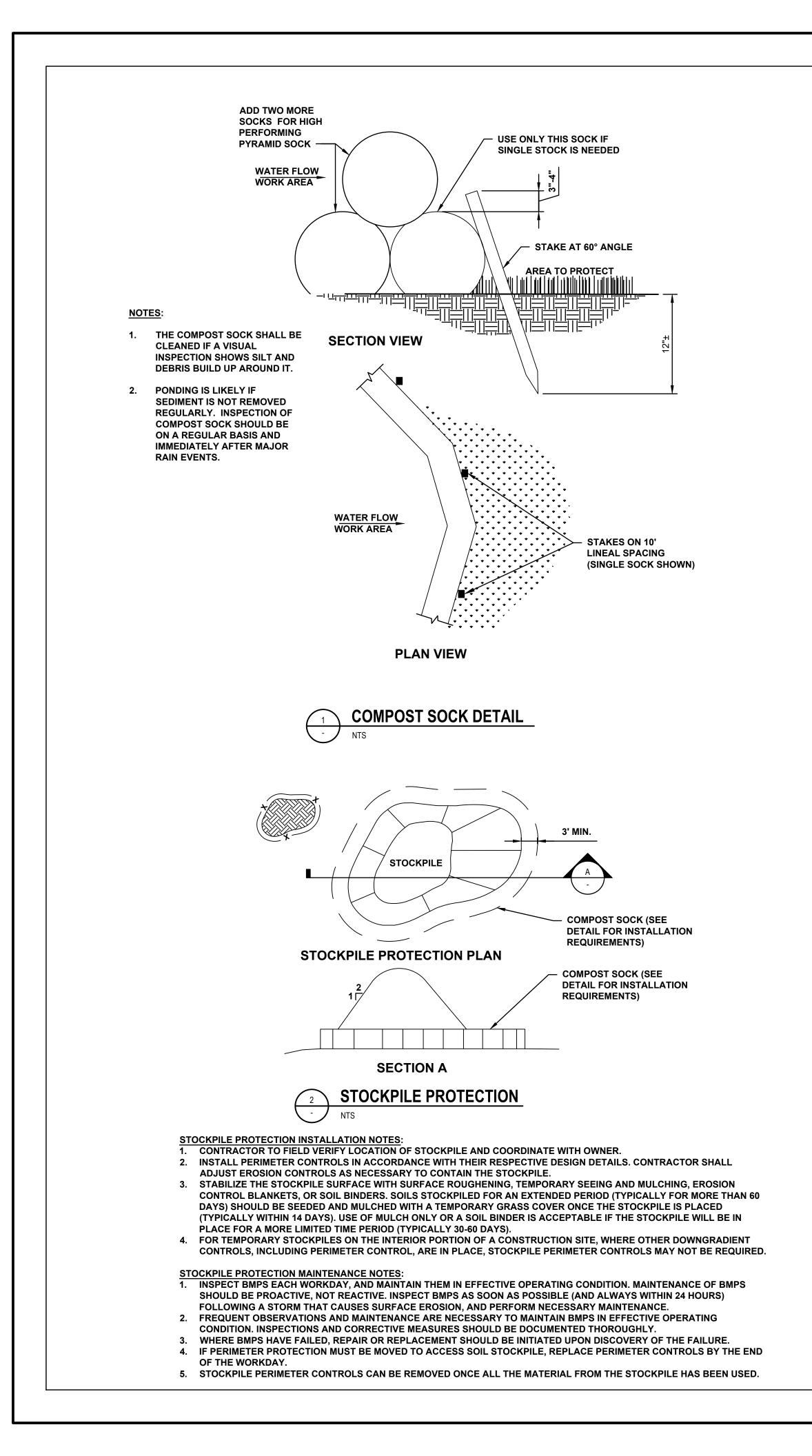






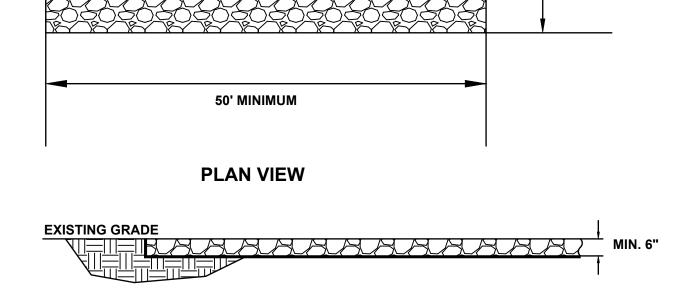






# 3 CONSTRUCTION EXIT

# SECTION VIEW





- ACCUMULATED IN CURBS SHALL BE REMOVED USING A SWEEPER, SHOVEL, ETC.
  7. REMOVE EXIT WHEN VEHICLES AND EQUIPMENT WILL NO LONGER
- ADD NEW ROCK OR RAKE EXISTING ROCK WHEN VOIDS FILL WITH SEDIMENT.
   ANY MUD, ROCK OR DEBRIS TRACKED ONTO PAVED SURFACES AND
- ROCK APRON INSTALLATION SHALL BE WIDE ENOUGH TO ACCOMOD TURNING VEHICLES.
   ADD NEW ROCK OR RAKE EXISTING ROCK WHEN VOIDS FILL WITH
- A CULVERT SHALL BE INSTALLED IF EXIT CROSSES A DITCH.
   ROCK APRON INSTALLATION SHALL BE WIDE ENOUGH TO ACCOMODATE
- 2. AVOID PLACING EXITS IN AN OUTFALL AREA OR OTHER LOW AREAS WHERE WATER PONDS OR FLOWS.
- NOTES: 1. RUMBLE STRIPS ARE RECOMMENDED FOR LARGER SITES.

LEGACY LAKE DREDGING PROJECT NAME #2 - BID NO #???.?
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI
DETAILS

10' MIN. OR AS REQUIRED TO ACCOMMODATE ANTICIPATED TRAFFIC; WHICHEVER IS GREATER



#### DEPARTMENT OF THE ARMY U.S. ARMY CORPS OF ENGINEERS, KANSAS CITY DISTRICT 601 E. 12<sup>TH</sup> STREET, 635 FEDERAL BUILDING KANSAS CITY, MO 64106-2824

March 13, 2025

Regulatory Branch NWK-2024-00889 Jackson, Missouri, GP 45

Ian Waters HDR Engineering, Inc. 10450 Holmes Rd. Kansas City, MO 64131

Dear Mr. Waters:

This letter pertains to an application submitted on behalf of the City of Lee's Summit, Parks Department for a Department of the Army permit. It was received on January 22, 2025. The proposed work concerns maintenance dredging of Legacy Lake. The project is located in Section 35, Township 48 North, Range 31 West, Jackson County, Missouri.

The Corps of Engineers has jurisdiction over all waters of the United States. Discharges of dredged or fill material in waters of the United States, including wetlands, require prior authorization from the Corps under Section 404 of the Clean Water Act (33 USC 1344). The implementing regulation for this Act is found at 33 CFR 320-332.

Based on our review of all available information, we have determined that the proposed project is authorized by general permit GP-45 Maintenance of Man-Made Lakes and Ponds-Missouri, subject to the following conditions: The work must conform to Appendix I and to the general and special conditions in the enclosed copy of the general permit.

The Corps' decision to verify this project is based on the provided plans and project description submitted in the application. Deviations to project designs should be coordinated with this office to ensure compliance with terms and conditions of this permit verification.

The Missouri Department of Natural Resources has certified that this general permit will not violate existing state water quality standards provided you comply with the conditions included in their attached certification document. All conditions included in the water quality certification become conditions of the general permit authorization. Please review all conditions associated with this general permit. If you have any questions concerning state water quality standards or compliance issues with the associated certification conditions, please contact the Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102-0176. You may also contact the office at 573-526-3589 or by email at <a href="https://www.wpsc401cert@dnr.mo.gov">wpsc401cert@dnr.mo.gov</a>.

Included with this letter is a "Compliance Certification" that must be submitted to this office upon completion of the authorized work and any required mitigation. Other Federal, state, and/or local permits may be required, and you should verify this yourself.

We are interested in your thoughts and opinions concerning your experience with the Kansas City District, Corps of Engineers Regulatory Program. Please feel free to complete our Customer Service Survey form on our website at: <u>https://regulatory.ops.usace.army.mil/customer-service-survey/</u>. You may also call and request a paper copy of the survey which you may complete and return to us by mail.

Mr. Jesse Cochran, Project Manager, reviewed the information furnished and made this determination. If you have any questions concerning this matter, please feel free to contact Mr. Cochran at 816-389-3739 or by email at jesse.s.cochran@usace.army.mil. Please reference Permit No. NWK-2024-00889 in all comments and/or inquiries relating to this project. This letter is only being provided to you electronically at: ian.waters@hdrinc.com.

Enclosures

cc (electronically w/o enclosures):

Environmental Protection Agency, Watershed and Grants Branch U.S. Fish and Wildlife Service, Columbia, Missouri Missouri Department of Natural Resources, Water Protection Program State Historic Preservation Office Missouri Department of Conservation