

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

Appl	pplication #	Date: 3/14/2025
prote requ	O THE ADMINISTRATOR: The undersigned hereby makes application for a permit to develop in a floodplain. rotection works, is as described below and in attachments hereto. The undersigned agrees that all such work sequirements of the Floodplain Management Ordinance, with all other applicable county/city ordinances, and the Joseph Snook, Administrator, City of Lee's Summit Parks and Recreation	hall be done in accordance with the
	Developer/Owner or Agent Builder	
	220 SE Green Street, Lee's Summit, 64063	
Add	Address	
816	316.969.1504, Joe.Snook@citofls.net	
Pho	Phone eMail Address (required) Phone	
SITE	SITE INFORMATION	
1.	. Location: SE 1/4; SE 1/4; Section 35; Township 48N Property Address: 901 Bluestem, Lee's Summit, MO 64086	; Range31W
2.	2. Type of Development: Filling Grading Excavation X Minimum Improvem	ent Substantial Improvement
3.	Produing Laggery Lake to restore elevations to pre-existing conditions. All drs	edge material will be placed outside of
4.	I. Premises: Structure Size:ft. xft. Area of site:sq. ft.	
	Principal Use: Accessory Uses (storage, parking, etc.):	
5.		ructure: \$
6.	Property located in a designated FLOODWAY? Yes No y (If Yes to Question of the control of the c	6, certification must be provided prior to permit this project will result in no increase in the 1%
7.		
8.	B. Elevation of the 1% Base Flood / 100-year flood (ID source): 925, FIRM 29095C0437G MSL/NG	VD
9.	9. Elevation of the proposed development site: Dredging to take place down to 906 MSL/NG	VD
10.	10. Elevation/floodproofing requirement: MSL/NG	VD
11.	our of the course of the cours	
12.	12. Other Permits required? Corps of Engineer 404 Permit: Yes X No	Provided X
	MO Dept. of Natural Resources: Yes X No	Provided X
NO	—— —— —— NOTE: All provisions of City of Lee's Summit UDO Article 6, Division II, Floodplain Management Ordinance, sh	all be in compliance.
API	APPLICATION APPROVAL/DENIAL	
Pla	Plans and Specifications Approved / Denied this Day of	. 20
4	Mr. ht	7
7.57.55500 17.	Joseph Snook, Adminstrator Print Name and Title Print Name and Title	
		IENT ELOOR) OF ANY NEW OR
SU	IF APPROVED, THIS PERMIT REQUIRES A CONDITION THAT THE LOWEST FLOOR (INCLUDING BASEN SUBSTATNTIALLY-IMPROVED RESIDENTIAL BUILDING WILL BE ELEVATED FEET ABOVE THE PROPOSED DEVELOPMENT IS A NON-RESIDENTIAL BUILDING, PERMIT APPROVAL WILL REQUIRE A ((INCLUDING BASEMENT) OF A NEW OR SUBSTANTIALLY IMPROVED NON-RESIDENTIAL BUILDING WILL FEET ABOVE THE BASE FLOOD ELEVATION.	E BASE FLOOD ELEVATION. IF THE CONDITION THAT THE LOWEST FLOOR

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.

LEGACY LAKE DREDGING PARKS AND RECREATION DEPARTMENT CITY OF LEE'S SUMMIT, MISSOURI **BID NO. XXX-XX**

SCHERER RD —COUNTY LINE RO

SHEET INDEX

HALF SCALE UNLESS

GENERAL

COVER SHEET

LEGENDS AND NOTES SOIL BORINGS

SOIL BORINGS

SITE PLANS

OVERVIEW AND KEY MAP DREDGING PLAN

SEDIMENT DISPOSAL DREDGING HEAT MAP

SURFACE CROSS SECTIONS

DETAIL SHEETS

DETAILS **DETAILS**

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

GAS 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

CRAIG PERKINS (816) 275-2721 500

DIVISION

(816) 969-1870

WATER & WASTEWATER LEE'S SUMMIT WATER UTILITIES (816) 969-1940

East 8th Street, Room 1152

Kansas City, MO 64106

CP0772@att.com

1200 SE HAMBLEN RD. LEE'S SUMMIT, MO 64081

1971 SE HAMBLEN RD.

LEE'S SUMMIT, MO 64082

STREETS & STORMWATER **PUBLIC WORKS OPERATIONS** SCHOOLS LS R-7 SCHOOL DISTRICT **TRANSPORTATION**

KEITH HENRY (816) 986-2405 LS R-7 SCHOOL DISTRICT

FIBER OPTICS **KINZIE WOODERSON** (816) 986-105

CABLE 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

VICINITY MAP



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).



COUNTY, BID NO

JACKSON

DRAWN BY: **CHECKED BY:**

01/31/2025 PROJECT #: 10415715

G001

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 20 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 CONTROL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEPARTMENT OF NATURAL RESOURCES (DNR) NPDES PERMIT AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS AND REQUIRED CONTAINMENT STRUCTURES. THE CONTRACTOR SHALL IMPLEMENT, MAINTAIN, COMPLETE REQUIRED INSPECTIONS, AND UPDATE THE SWPPP AS REQUIRED TO MEET ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 2. CONTRACTORS SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMPS) AS REQUIRED BY THIS PLAN AND SWPPP.
- 3. BMPS AND CONTROLS SHALL CONFIRM CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- 4. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTEND PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT. CLEARING SHALL NOT OCCUR OUTSIDE THE PROJECT LIMITS SHOWN ON THE CONSTRUCTION PLANS UNLESS APPROVED BY THE OWNER IN WRITING.
- 5. EROSION AND SEDIMENT CONTROL (ESC) SHALL BE THE CONTRACTOR'S RESPONSIBILITY INCLUDING MAINTAINING ESC SYSTEMS, REPLACING DAMAGED OR FAILED ESC DEVICES, AND INSPECTING THE SITE IN ORDER TO REPAIR THE ESC SYSTEM WITHIN 24 HOURS AFTER A1/2-INCH RAIN EVENT.
- 6. CONTRACTOR SHALL PROVIDE ADEQUATE ESC TO PREVENT SOIL AND/OR DEBRIS FORM ENTERING PAVEMENT, DITCHES, CREEKS, YARDS OR SURFACE WATERS. REPAIRER OR DREDGING OF SURFACE WATERS THAT RECEIVE STORM WATER RUNOFF FROM THE PROJECT SITES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 7. STAGING LOCATION FOR CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER.
- 8. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- 9. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- 10. RUBBISH, TRASH, GARBAGE,LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- 11. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 12. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE SEEDED BY THE CONTRACTOR. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- 13. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- 14. ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW ARES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATION SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- 15. SLOPES SHALL BE LEFT IN ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- 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 PROJECT.
- 17. ALL CONSTRUCTION SHALL BE ESTABLISHED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
- 18. AN UPDATED COPY OF THE SWPPP SHALL BE KEPT ONSITE FOR THE DURATION OF THE PROJECT.
- 19. ALL SUBCONTRACTORS ENGAGED IN ACTIVITIES AT THE CONSTRUCTION SITE THAT COULD IMPACT STORM WATER MUST BE IDENTIFIED AND COMPLETE A CERTIFICATION STATEMENT PRIOR TO CONSTRUCTION.
- 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 DISCHARGE OF SEDIMENT AND OTHER POLLUTANTS FROM THE SITE.
- 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 BORROW AND FILL AREAS.
- 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 DEPOSITION.
- 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 REMOVAL OF THE SEDIMENT AND EROSION CONTROLS.

ABBREVIATIONS LEGEND **EXISTING PROPOSED** APPROXIMATELY **WATER VALVE** \bowtie AIR RELEASE VALVE **BUTTERFLY VALVE WATER METER** BENCHMARK SANITARY SEWER MANHOLE **BEGINNING OF LINE** DEPARTMENT POWER/TRAFFIC SIGNAL POLE **DUCTILE IRON** FIRE HYDRANT \odot **DIAMETER** TREE/LARGE BRUSH DO NOT DISTURB **EAST** STORM INLET/JUNCTION BOX **EACH GAS METER** □ GM **EASEMEN ELEC ELECTRIC** MAIL BOX **ELEVATION POWER POLE** Ø PP **EOL END OF LINE POWER ANCHOR ENGR ENGINEER** O PA **ESC EROSION AND SEDIMENT CONTROL** SIDEWALK FO FIBER OPTIC **UNDERGROUND UTILITY MARKER** O UGM **GATE VALVE** HIGH DENSITY POLYETHYLENE ——— OHP —— OVERHEAD ELECTRIC HORIZONTAL LANE UNDERGROUND ELECTRIC **LINEAR FOOT** SANITARY SEWER _____ SAN ____ **LUMP SUM** MISSOURI DEPT. OF TRANSPORTATION WATER LINE **MECHANICAL JOINT** STORM SEWER ____ STM ___ NORTH UNDERGROUND GAS LINE **NOT TO SCALE POLYETHYLENE** UNDERGROUND TELEPHONE POLYVINYL CHLORIDE —— FO —— FO — UNDERGROUND FIBER OPTIC **POWER & CABLE POLE** POWER & TELEPHONE POLE UNDERGROUND CABLE TV — UGTV PTC POWER, TELEPHONE, & CABLE POLE SECTION LINE **PROJ PROJECT** RIGHT-OF-WAY LINE **RESTRAINED JOINT** ____ RW ____ RW ____ RJ **RIGHT OF WAY** _____ P/L _____ P/L ____ LOT LINE

______ TCF _____

PERMANENT EASEMENT LINE

TEMPORARY EASEMENT LINE

SOUTH

SILT FENCE

SANITARY SEWER

STORM SEWER

SQUARE YARD

TRASH ENCLOSURE

UTILITY EASEMENT

SOUTHWEST

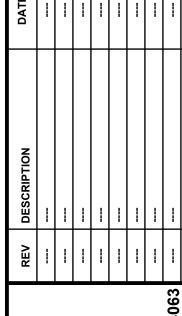
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UTILITY

WEST

UTIL

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LEEN STREET | LEE'S SUMMIT, MO 640



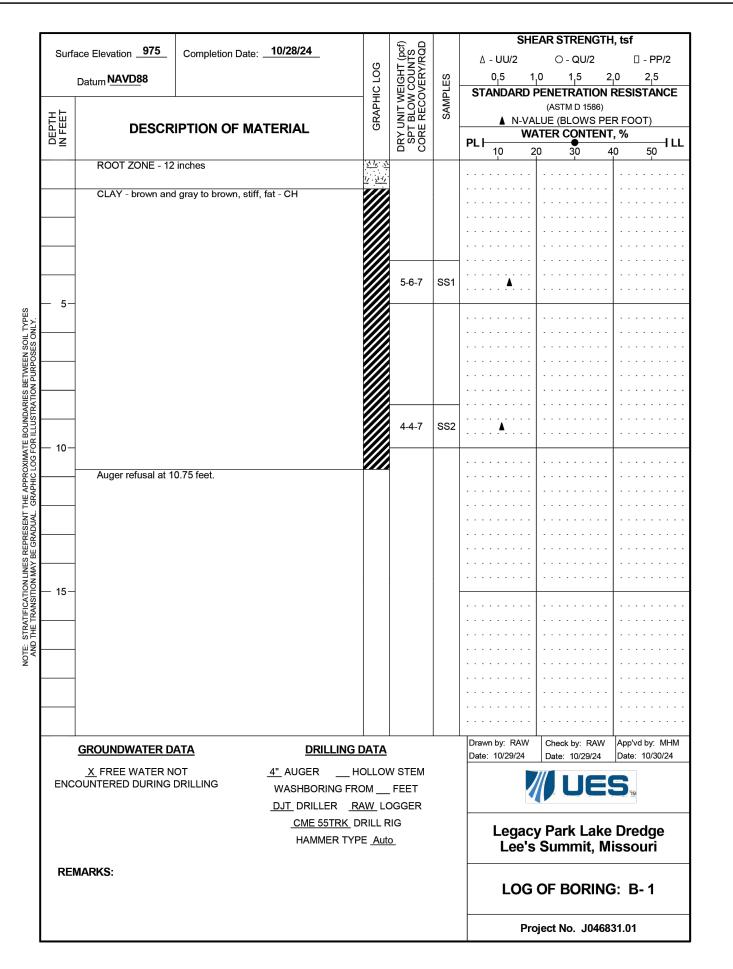
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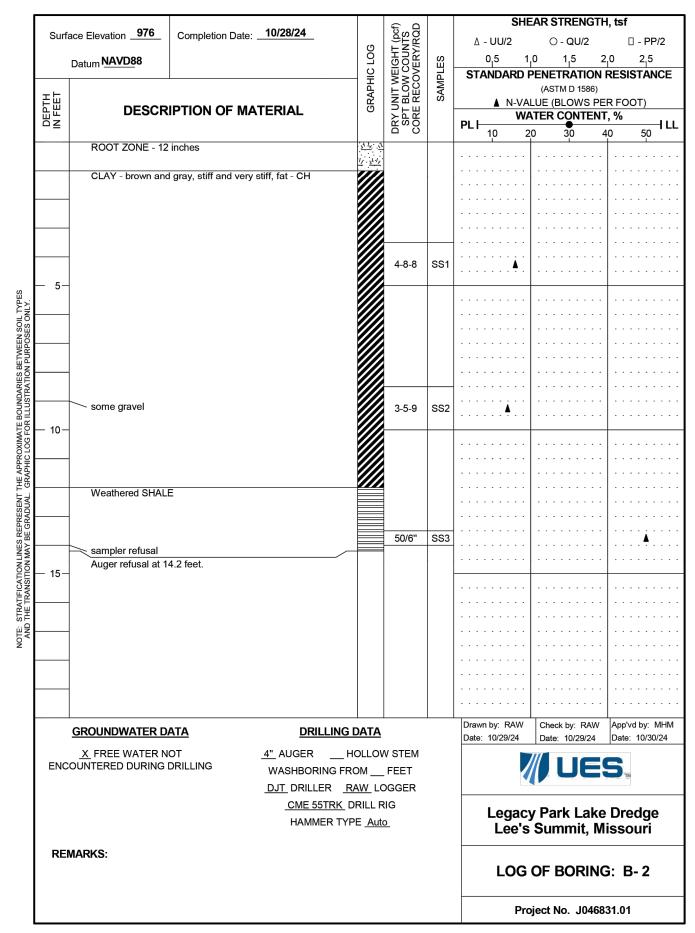
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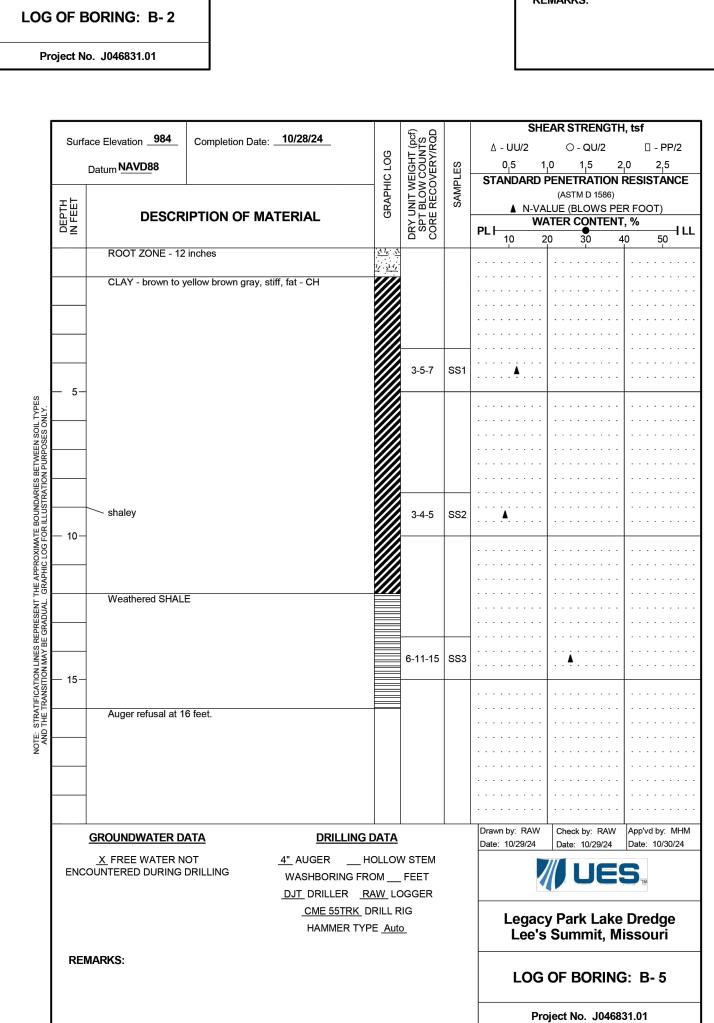
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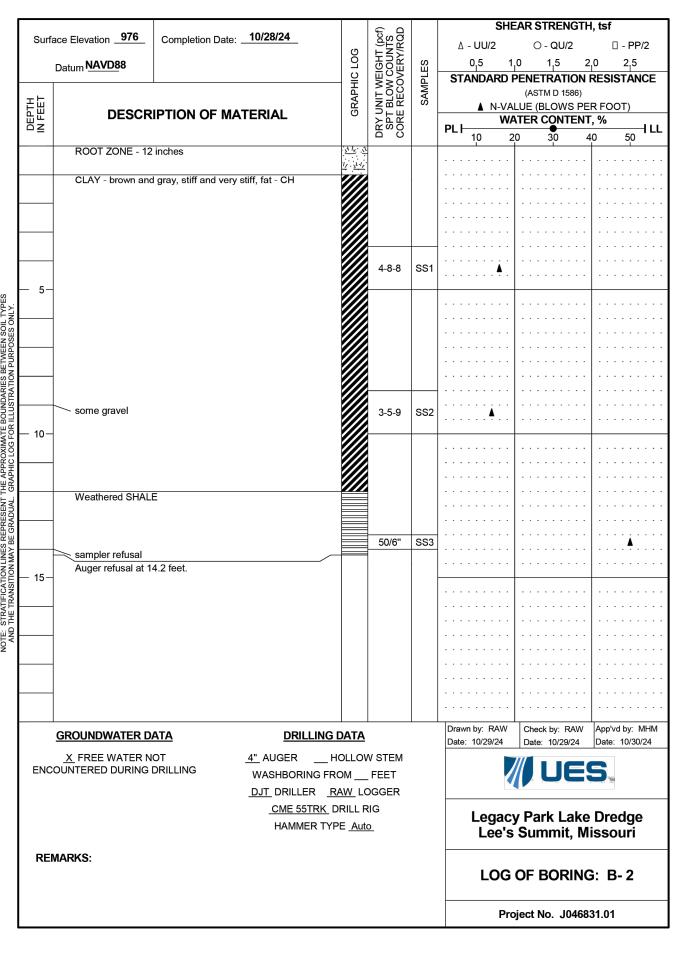
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DATE: 01/31/2025
PROJECT #: 10415715

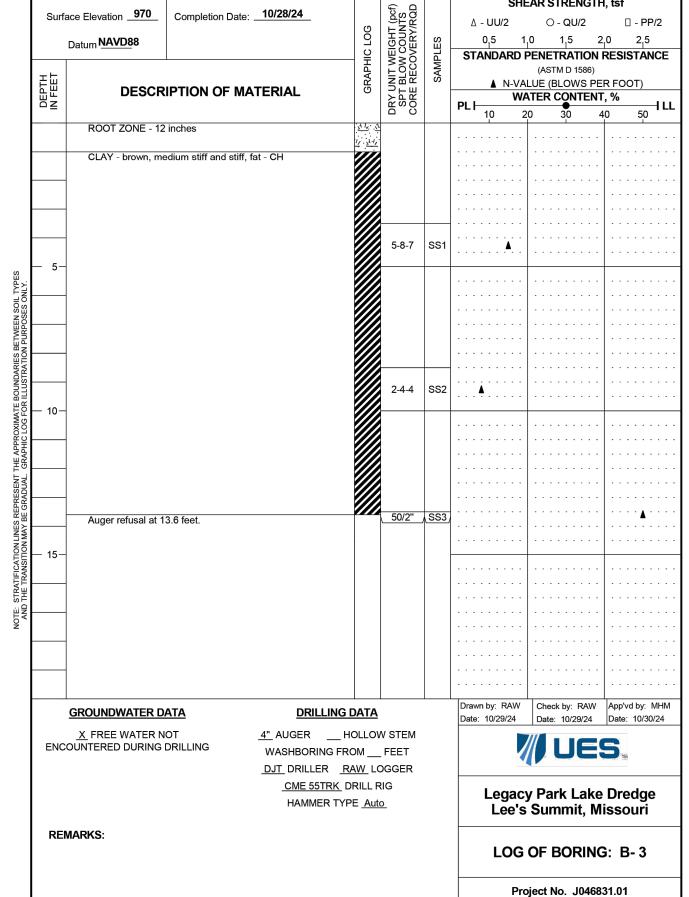
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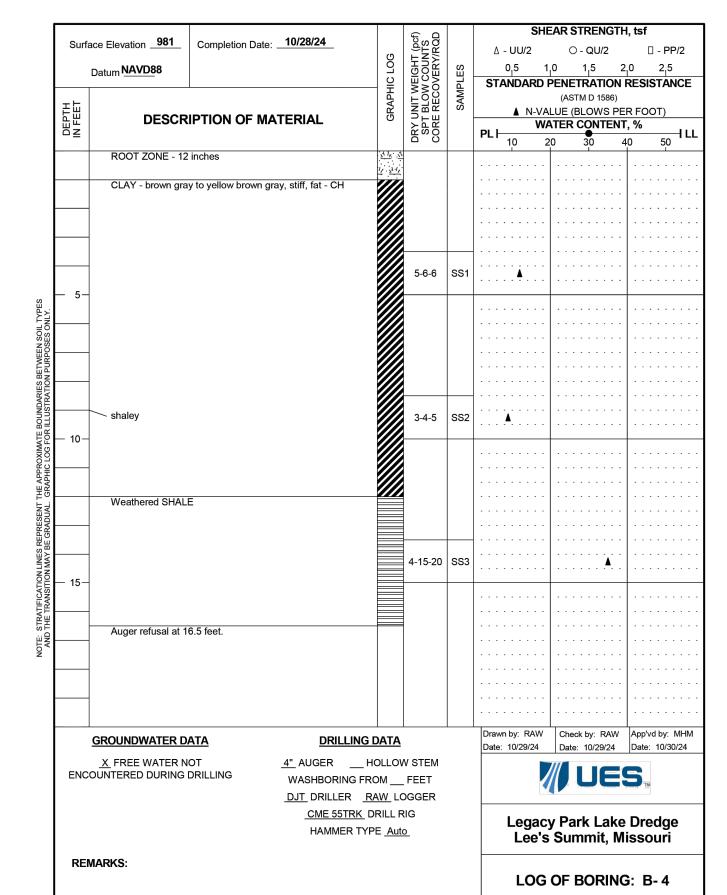




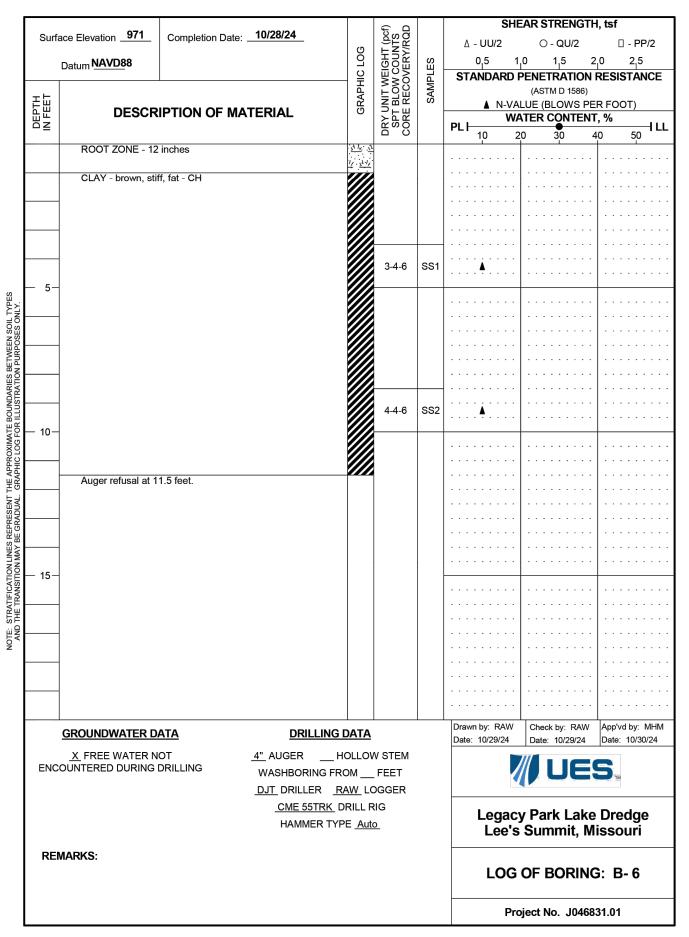
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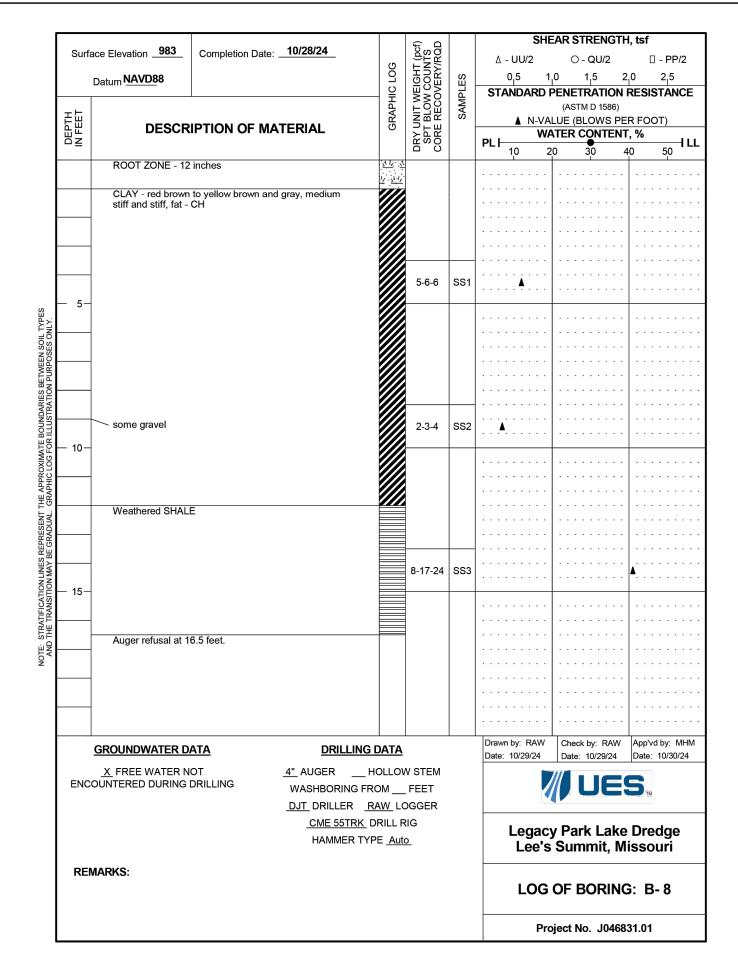
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	Elevation 973 Completion Da	ite: 10/28/24	DRY UNIT WEIGHT (pcf) SPT BLOW COUNTS CORE RECOVERY/RQD	SAMPLES	SHEAR STRENGTH, tsf △ - UU/2 ○ - QU/2 □ - PP/2 0,5 1,0 1,5 2,0 2,5 STANDARD PENETRATION RESISTANCE			
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			2-4-6	SS2				
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	<u>CME 55TRK</u> DRILL RIG HAMMER TYPE <u>Auto</u>				Legacy Park Lake Dredge Lee's Summit, Missouri			
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LOG OF BORING: B- 6						R	EMARKS:		
Project No. J046831.01									
Surface Elevation _968_	Completion Date	10/28/24		D G		s	HEAR STRENGT	H, tsf	
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weathered limesto — 10 — Auger refusal at 10 — 15 —									
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					Legacy Park Lake Dredge Lee's Summit, Missouri				
	REMARKS:					LOG OF BORING: B- 9			
REMARKS:						LO	G OF BORIN	G: B-9	





LEGACY LAKE DREDGING
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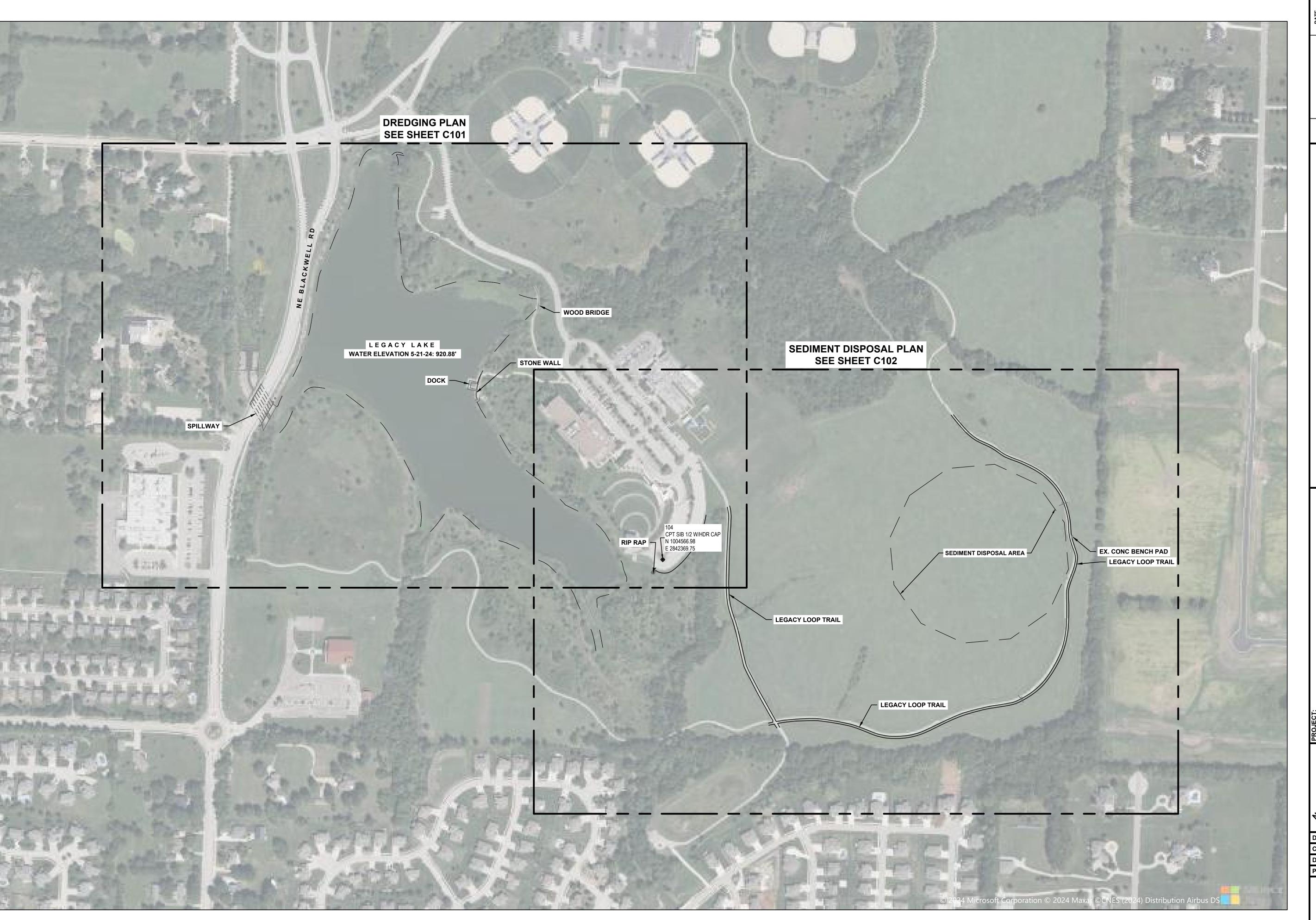
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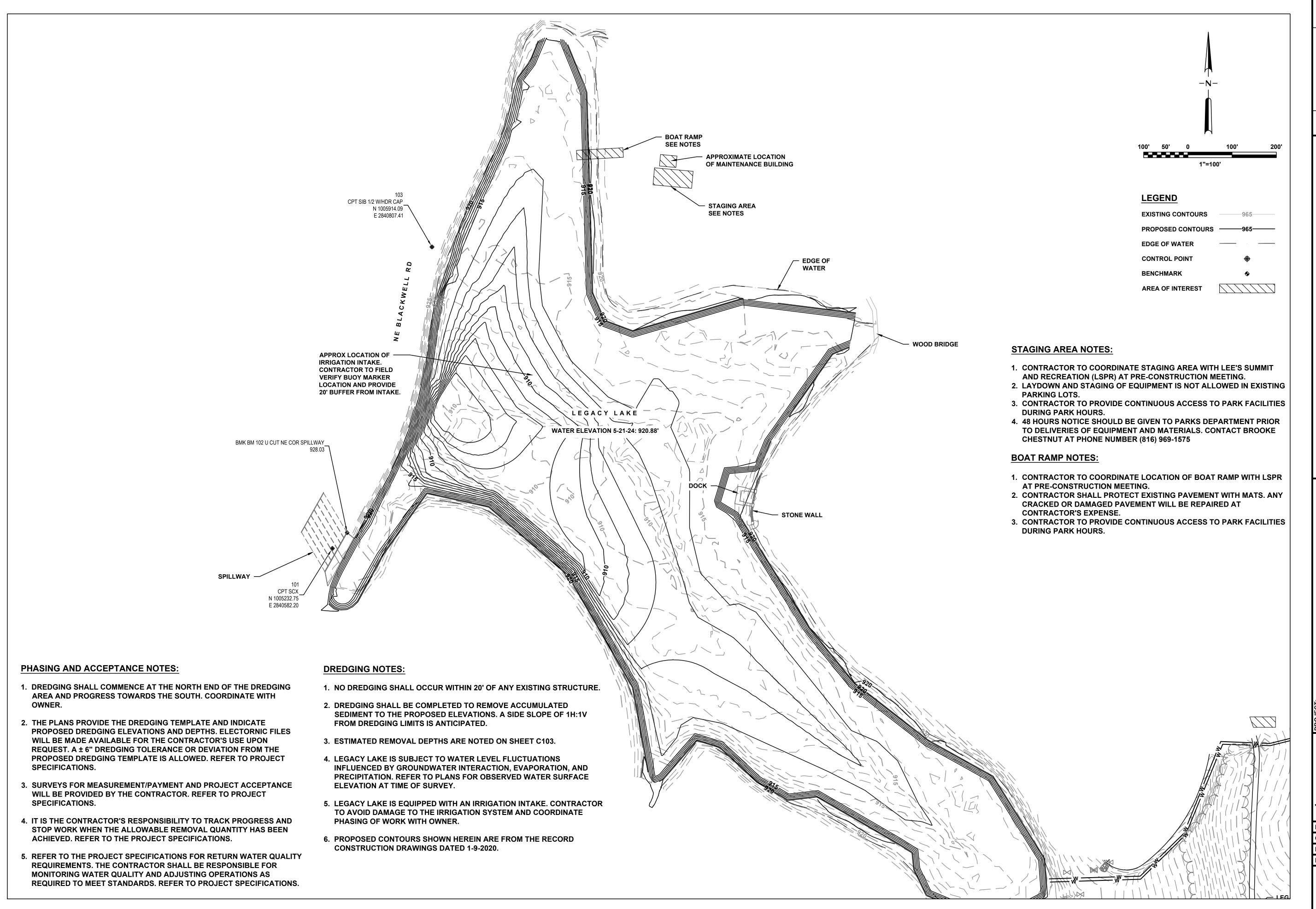


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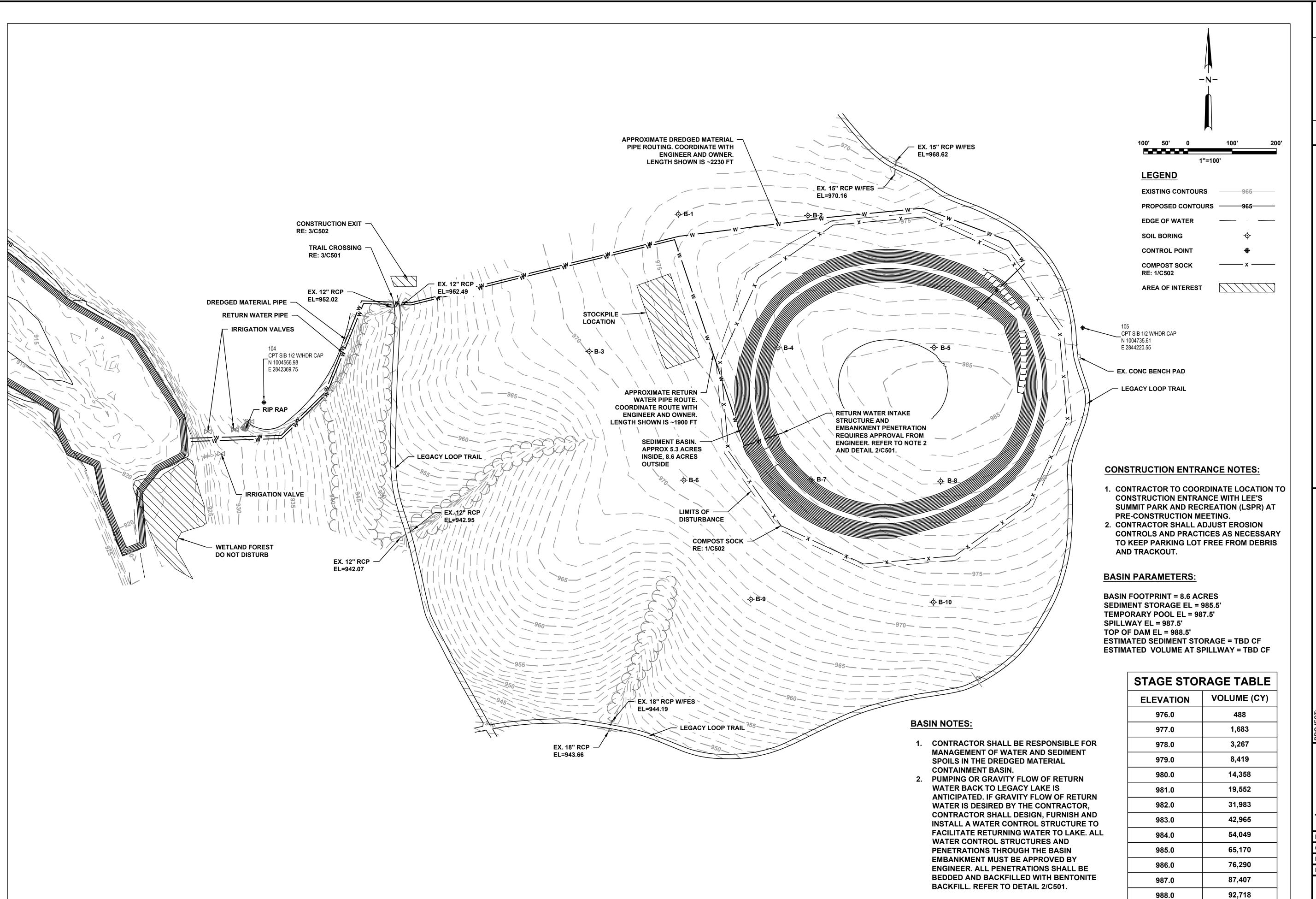
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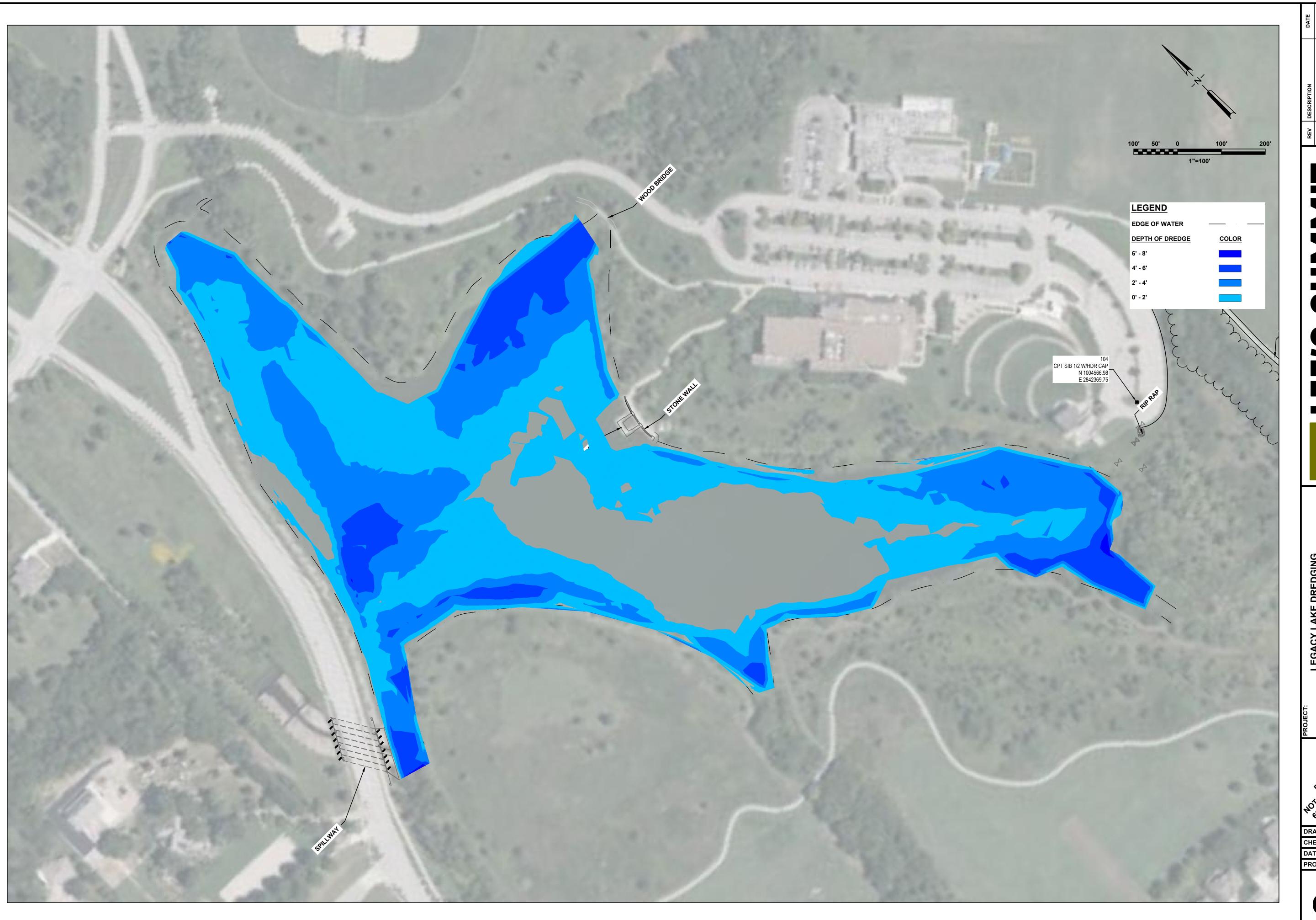
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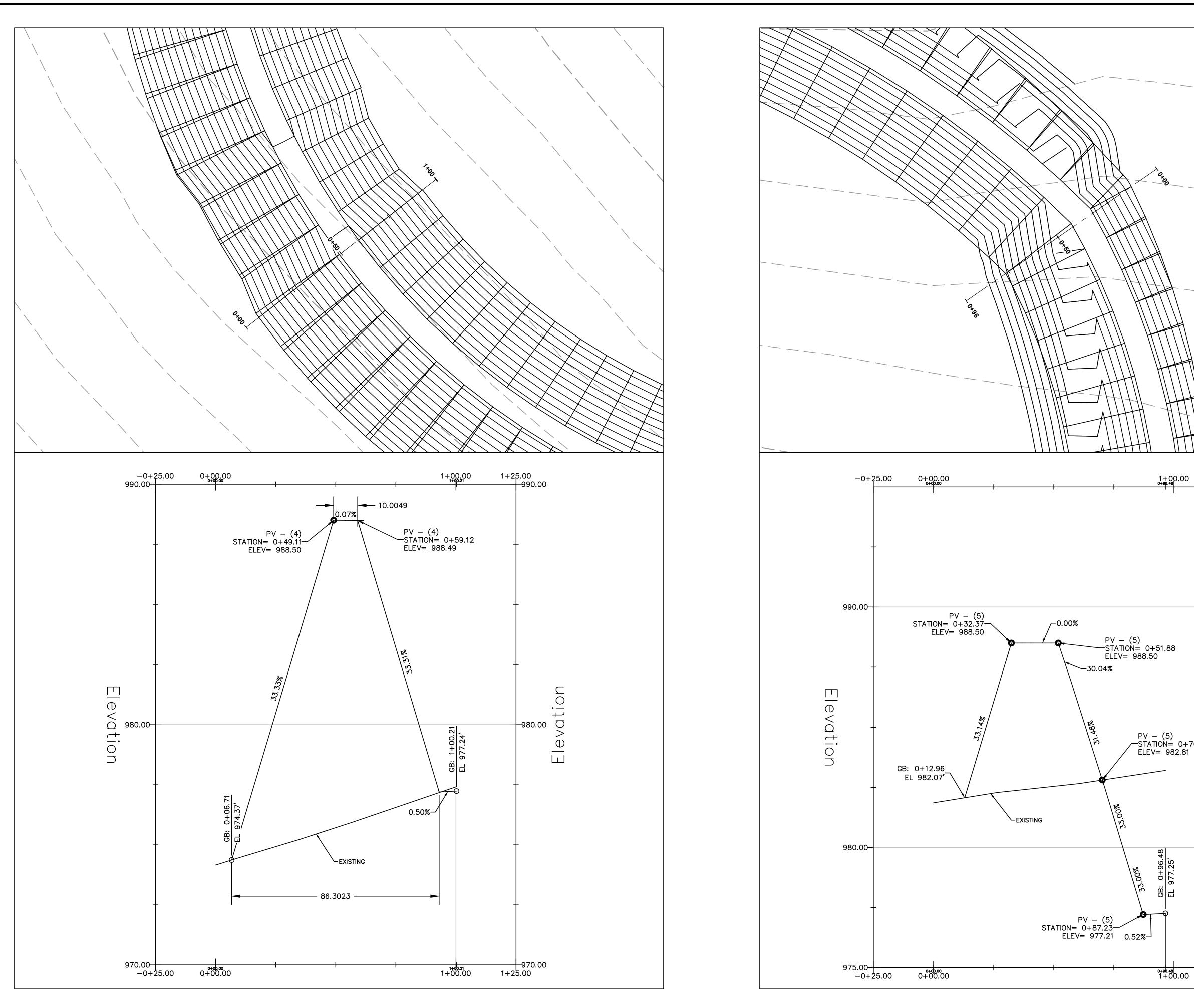
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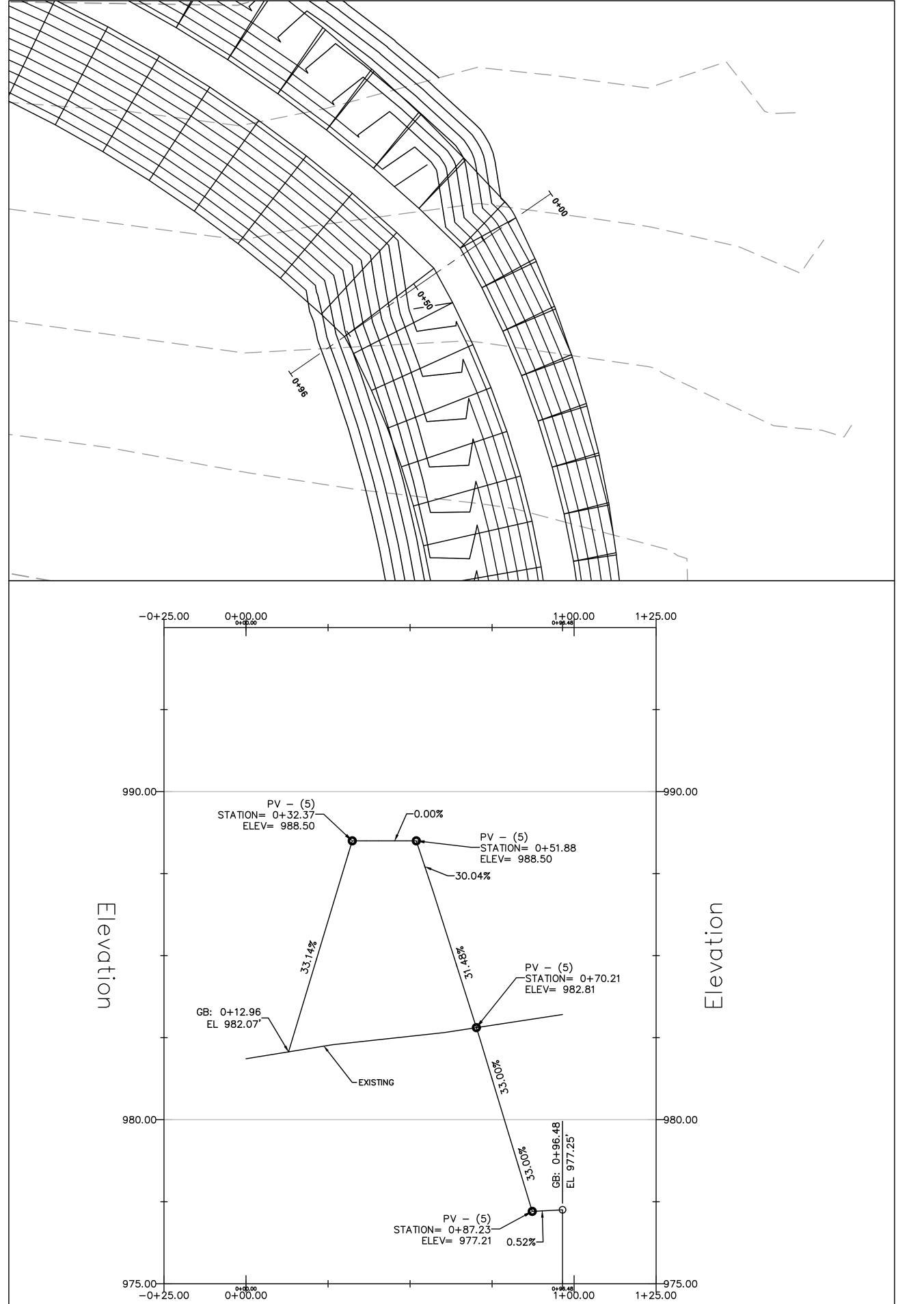
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LEGACY LAKE DREDGING
PROJECT NAME #2 - BID NO #???.?
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DREDGING HEAT MAP

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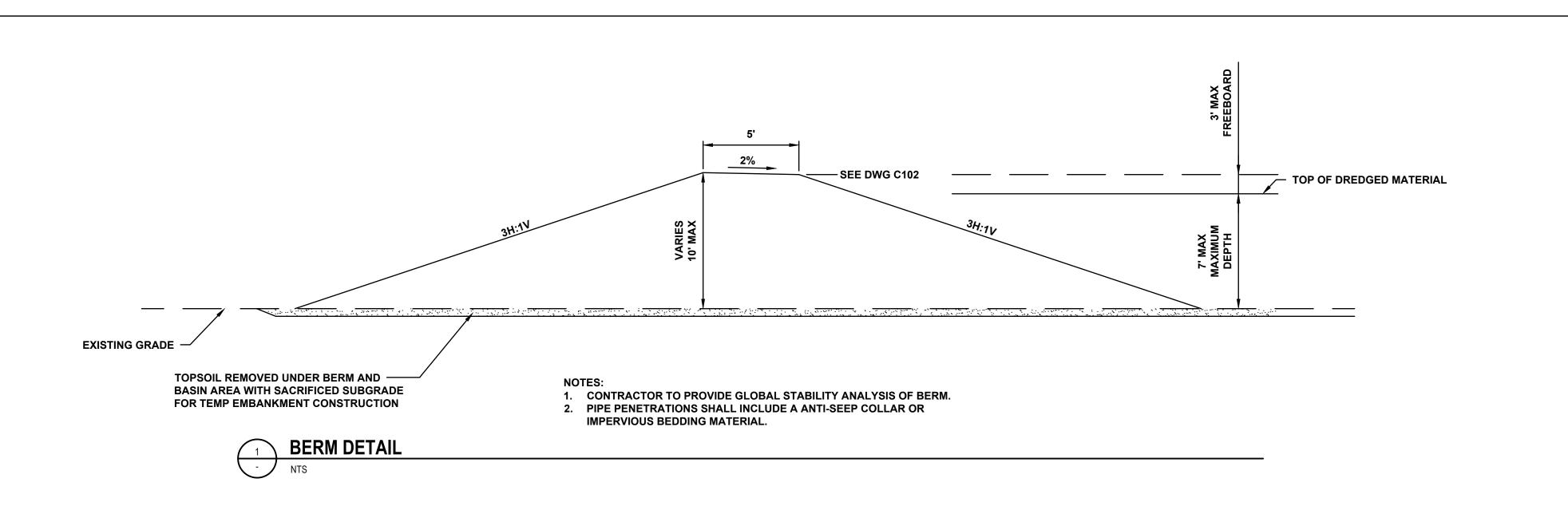




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COMPACT BACKFILL AND ORD STRUCTURES WITH IMPERVIOUS BACKFILL AND GRANULAR BENTONITE

MIXTURE FOR 25' OF LENGTH TO CREATE A SEEPAGE

CUT-OFF ZONE. (10% BENTONITE BY DRY WEIGHT. MINIMUM 250 LB OF BENTONITE PER CUBIC YARD OF BACKFILL).

PLACE BACKFILL IN TRENCH IN 6" MAXIMUM LIFTS AND COMPACT WITH HAND COMPACTION EQUIPMENT.

RECURN WATER DIPP.

RECURN WATER DIPP.

RECURN WATER DIPP.

RECURN WATER DIPP.

EMBANKMENT PENETRATION PIPE BEDDING & BACKFILL (SEEPAGE CUT-OFF ZONE)

DETAILIZED AT 90% OF TEMPORARY TREADPLATE.
REMOVE BEFORE TRAIL PAVI

REMOVE BEFORE TRAIL PAVEMENT REPLACEMENT.

CONCRETE TRAIL.

MATCH EXISTING SECTION.

SUBGRADE.

MATCH EXISTING SECTION.

FILE THE PAVEMENT REPLACEMENT.

AND THE PAVEMENT REPLACEMENT.

SUBGRADE.

MATCH EXISTING SECTION.

SECTION VIEW

NOTES:

- 1. CONTRACTOR TO SAWCUT TRAIL AND PROVIDE CLEAN VERTICAL JOINT.
- 2. TRAIL TO MATCH EXISTING SECTION.
- 3. TEMPORARY TREAD PLATE SHALL BE INSTALLED. CONTRACTOR TO PROVIDE CONTINUOUS ADA ACCESS THROUGH THE PARK. COORDINATE TRAIL CLOSURE FOR PIPE INSTALLATION WITH OWNER.



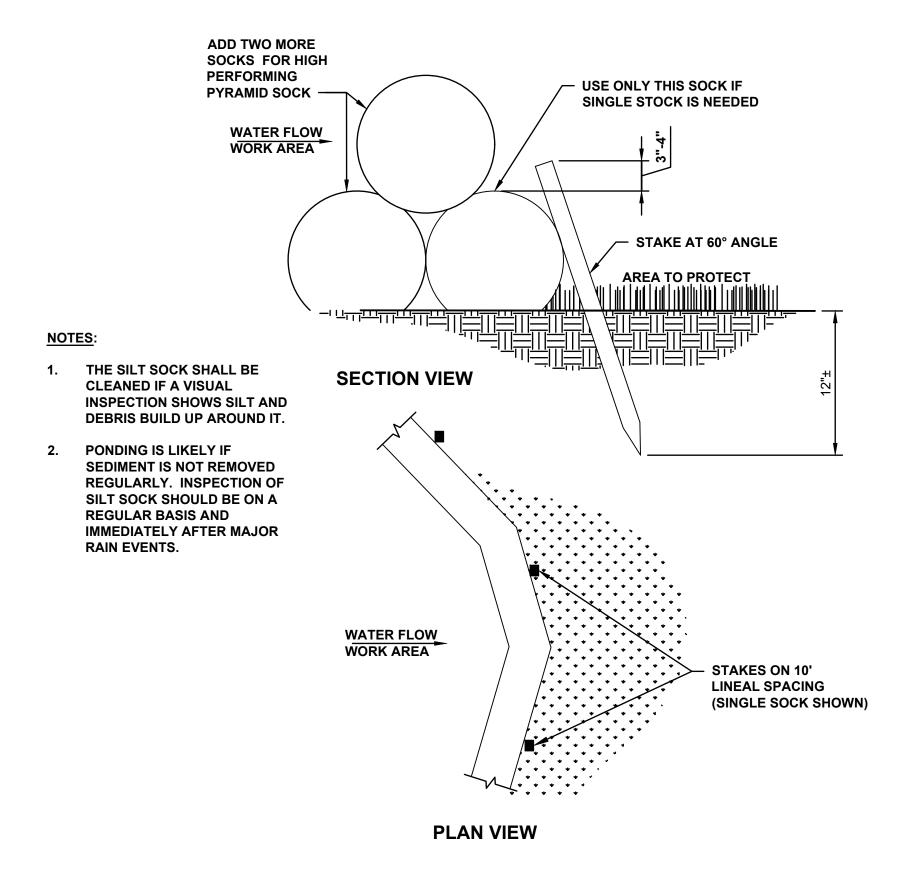
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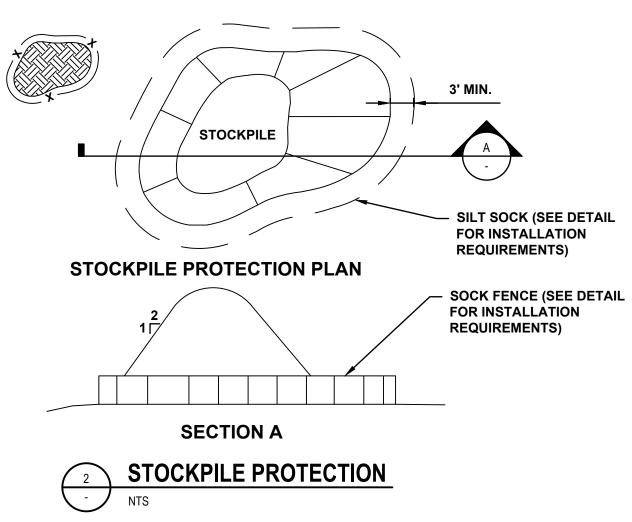
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PRELIMINARY DESIGNATION OF SUBMIT

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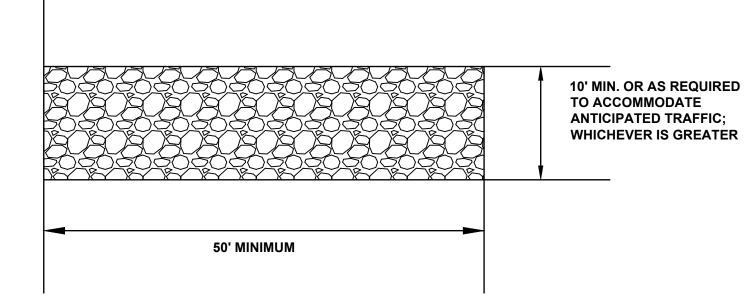


- STOCKPILE PROTECTION INSTALLATION NOTES: 1. CONTRACTOR TO FIELD VERIFY LOCATION OF STOCKPILE AND COORDINATE WITH OWNER.
- 2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. CONTRACTOR SHALL
- ADJUST EROSION CONTROLS AS NECESSARY TO CONTAIN THE STOCKPILE.
- 3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
- 4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

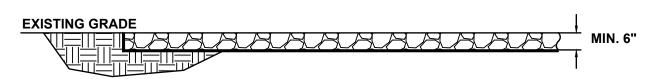
STOCKPILE PROTECTION MAINTENANCE NOTES:

- 1. INSPECT BMPS EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPS SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPS AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPS IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPS HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE. 4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END
- OF THE WORKDAY. 5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

- 1. RUMBLE STRIPS ARE RECOMMENDED FOR LARGER SITES.
- 2. AVOID PLACING EXITS IN AN OUTFALL AREA OR OTHER LOW AREAS
- WHERE WATER PONDS OR FLOWS.
- 3. A CULVERT SHALL BE INSTALLED IF EXIT CROSSES A DITCH. 4. ROCK APRON INSTALLATION SHALL BE WIDE ENOUGH TO ACCOMODATE
- TURNING VEHICLES. 5. ADD NEW ROCK OR RAKE EXISTING ROCK WHEN VOIDS FILL WITH
- SEDIMENT.
- 6. ANY MUD, ROCK OR DEBRIS TRACKED ONTO PAVED SURFACES AND ACCUMULATED IN CURBS SHALL BE REMOVED USING A SWEEPER, SHOVEL, ETC.
- 7. REMOVE EXIT WHEN VEHICLES AND EQUIPMENT WILL NO LONGER
- ACCESS UNPAVED AREAS.
- 8. TRACK OUT MUST BE REMOVED WITHIN THE SAME BUSINESS DAY.

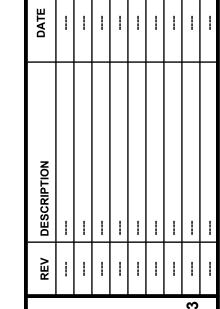


PLAN VIEW



SECTION VIEW





COUNT BID NO

DRAWN BY:

WAW CHECKED BY: 01/31/2025 PROJECT #: 10415715



DEPARTMENT OF THE ARMY

U.S. ARMY CORPS OF ENGINEERS, KANSAS CITY DISTRICT 601 E. 12TH 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 wpsc401cert@dnr.mo.gov.

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: https://regulatory.ops.usace.army.mil/customer-service-survey/. 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