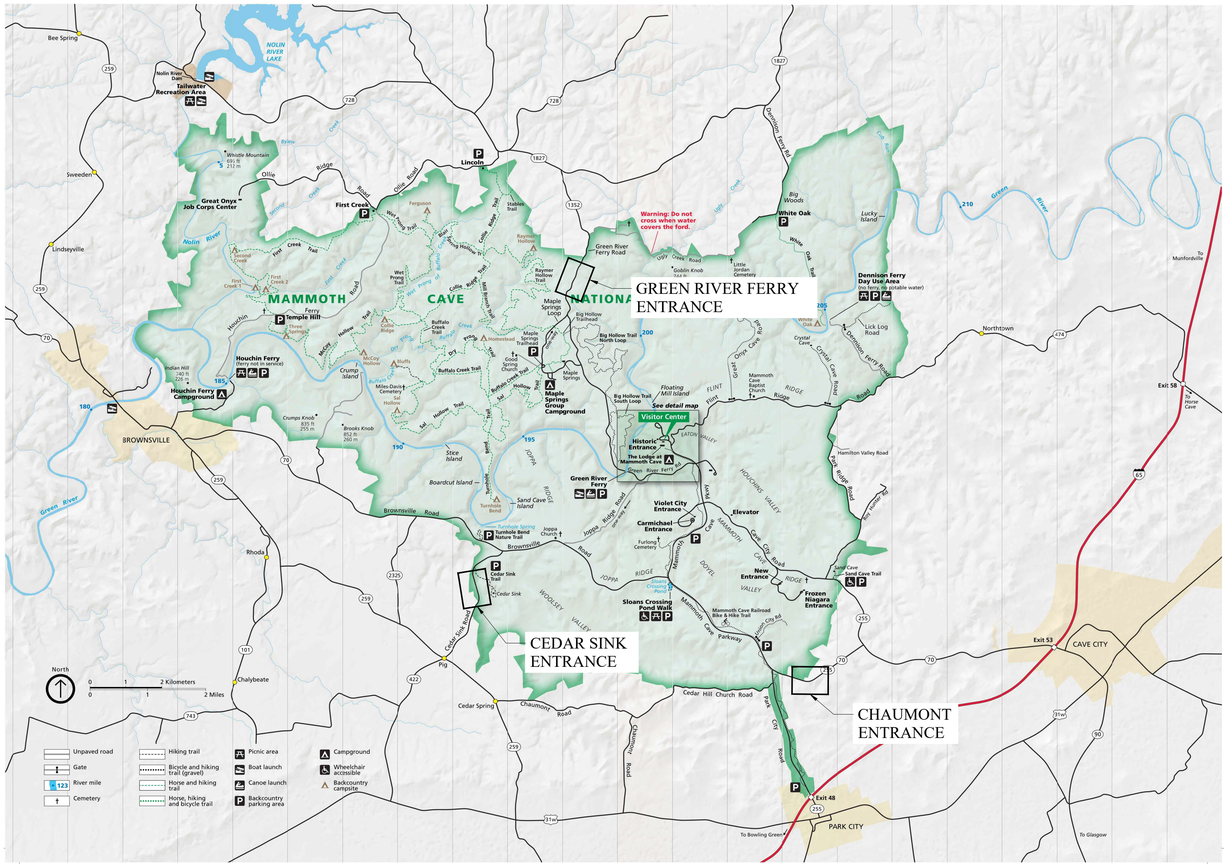
NATIONAL PARK SERVICE

MAMMOTH CAVE NATIONAL PARK PARKING AND ENTRY SIGN RENOVATIONS

MACA 323725, 325833
MACA 323722, 325832
MACA 323654, 325833



N.T.S.

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ARCHITECTURAL

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A102	MONUMENT SIGN SECTIONS

CIVIL

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C002	CHAUMONT GRADING
C003	CHAUMONT EPSC
C004	CEDAR SINK SITE
C005	CEDAR SINK GRADING
C006	CEDAR SINK EPSC
C007	GREEN RIVER FERRY SITE
C008	GREEN RIVER FERRY GRADING
C009	GREEN RIVER FERRY EPSC
C010	CIVIL DETAILS
C011	CIVIL DETAILS

1. PROJECT SUMMARY

THE PROPOSED PROJECT IS A NEW MONUMENT SIGN FOR THE NATIONAL PARK SERVICE - MAMMOTH CAVE VISITOR PARKING AREAS.

2. AUTHORITIES HAVING JURISDICTION

BUILDING CODE AUTHORITY: NATIONAL PARK SERVICE

3. APPLICABLE CODES & STANDARDS

INTERNATIONAL BUILDING CODE (IBC) (2021)

4. CLASSIFICATION OF THE WORK

BUILDING CODE CLASSIFICATION OF THE WORK:
NEW CONSTRUCTION (IBC, SECTION 101.2)

BUILDING CODE REQUIREMENTS:
NEW CONSTRUCTION SHALL COMPLY WITH IBC

LIFE SAFETY CODE CLASSIFICATION OF THE WORK:
NOT APPLICABLE

LIFE SAFETY CODE REQUIREMENTS:
NOT APPLICABLE

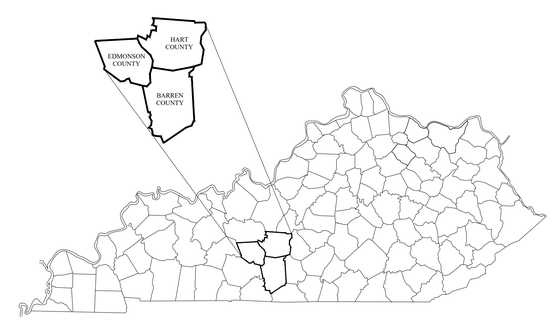
5. GENERAL NOTES

1. THE INTENDED USE OF THE STRUCTURE IS BASED ON INFORMATION FROM THE OWNER.
2. THE INTENDED USE OF THE STRUCTURE IS NOT OCCUPIABLE.
3. ALL DEMOLITION AND CONSTRUCTION INVOLVED TO COMPLETE THIS PROJECT SHALL CONFORM TO ALL APPLICABLE CODES.

6. STRUCTURAL REQUIREMENTS - IBC CHAPTER 16

1. REFER TO SHEET G001 FOR STRUCTURAL REQUIREMENTS.

MAMMOTH CAVE NATIONAL PARK,
EDMONSON, HART, AND BARREN COUNTIES, KY



UTILITY CONTACTS:

WATER AND SEWER
CAVELAND ENVIRONMENTAL AUTHORITY
PO BOX 426
508 SOUTH DIXIE HIGHWAY, CAVE CITY, KY 42127
270-773-2887
CUSTOMERSERVICE@CEAWATER.COM

ELECTRIC
KU-LGE
P.O. BOX 9001954
LOUISVILLE, KY 40290-1954
859-367-1200

FARMERS RECC
504 SOUTH BROADWAY
GLASGOW, KY 42141
270-651-2191

TELEPHONE
SCRTC
1399 HAPPY VALLEY ROAD
GLASGOW, KY 42141
270-678-2111

GAS
ATMOS ENERGY
PO BOX 650205
DALLAS, TEXAS 75265
888-286-6700

FIRE
CAVE CITY FIRE DEPARTMENT
203 N. 1ST STREET
CAVE CITY, KY 42127
270-773-2040
GFDKJANDT@GLASGOW-KY.COM

PUBLIC WORKS
MAMMOTH CAVE PUBLIC WORKS
NPS WAREHOUSE
61 MAINTENANCE ROAD
MAMMOTH CAVE, KY
270-758-2101

David K. Brown, PE
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Joseph B. Walker
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Date: 2024.06.20 11:11:09-04'00'

A/E FIRM:	Mark	Sheet	REVISION	Date	Initial
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL					
SUB: HMB FRANKFORT, KY					

QUALITY DESIGN CERTIFICATION
- ☐ Prepared in Accordance with Design Development (Title I) _____ OR Drawing No.
- ☐ Variance from Design Development (Title I) Approved by Superintendent on _____ OR Date
- ☐ Construction Drawing Not Preceded by Design Development (Title I)

Project Manager _____ Date _____

NATIONAL PARK SERVICE

PROJECT PHASE

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

TITLE OF PROJECT:
NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS
NAME OF PARK
MAMMOTH CAVE NATIONAL PARK

REGION	COUNTY	STATE
SE	EDMONSON	KENTUCKY

DRAWING NO. G000

PMIS/PKG NO.

SHEET 01 OF 15

4/1/2024 9:56:42 PM

GENERAL STRUCTURAL NOTES

PRIMARY CODES AND SPECIFICATIONS:

1. GENERAL BUILDING CODE:
   A. 2018 KENTUCKY BUILDING CODE (2015 IBC)

2. DESIGN LOADS:
   A. ASCE 7-10 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES.

3. CONCRETE CODES:
   A. ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
   B. ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
   C. CRSI MANUAL OF STANDARD PRACTICE.

4. PRECAST AND PRECAST-PRESTRESSED REQUIREMENTS:
   A. PCI MNL 120 PCI DESIGN HANDBOOK.
   B. PCI MNL 116 MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTION OF PRECAST PRESTRESSED CONCRETE PRODUCTS.
   C. PCI MNL 122 ARCHITECTURAL PRECAST CONCRETE.
   D. PCI MNL 117 MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTION OF ARCHITECTURAL PRECAST CONCRETE PRODUCTS.

5. MASONRY CONSTRUCTION:
   A. TMS 402-13 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.
   B. TMS 602-13 SPECIFICATIONS FOR MASONRY STRUCTURES.

6. STRUCTURAL STEEL CODES:
   A. AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
   B. AISC 303-10 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.

DESIGN LOADS:

1. WIND LOADS:
   A. ULTIMATE DESIGN WIND SPEED, 3 SECOND GUST, Vult..... 105 MPH
      NOMINAL DESIGN WIND SPEED, 3 SECOND GUST, Vasd.... 82 MPH
      HURRICANE PRONE REGION..... NO
      WINDBORNE DEBRIS REGION..... NO
      BUILDING RISK CATEGORY..... I
      WIND EXPOSURE CATEGORY..... C
      WIND TOPOGRAPHIC FACTOR (Kzt)..... 1.0
      ENCLOSURE CATEGORY..... SIGN
      INTERNAL PRESSURE COEFFICIENT..... 0.0
      MEAN ROOF HEIGHT..... 12 FEET
      WIND DIRECTIONALITY FACTOR, Kd..... 0.85
      VELOCITY PRESSURE COEFFICIENT (Kh)..... 0.85
      ULTIMATE VELOCITY PRESSURE (qh[ult])..... 24.5 PSF

FOUNDATIONS:

1. FOUNDATION DESIGN IS BASED ON A PRESUMED ALLOWABLE BEARING PRESSURE OR 1500 PSF PER IBC TABLE 1806.2. THE BUILDING OWNER HAS NOT ELECTED TO PROVIDE A PROJECT GEOTECHNOCAL REPORT.

2. ALL VEGETATION, TOPSOILS, ROOTS AND ORGANIC ZONES SHALL BE STRIPPED AND REMOVED FROM THE CONSTRUCTION AREA FOR A DISTANCE OF AT LEAST 5 FEET BEYOND THE FOUNDATION LIMITS. THE DEPTH OF STRIPPING SHALL BE THAT REQUIRED TO REMOVE SIGNIFICANT ROOT ZONES, SMALL TREE STUMPS AND OTHER UNACCEPTABLE MATERIALS, BUT IN NO CASE LESS THAN 6 INCHES.

3. THE EXPOSED SOILS AT THE STRIPPED SURFACE SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).

CAST-IN-PLACE CONCRETE:

1. ALL CONCRETE SHALL BE NORMAL WEIGHT (145 PCF), WITH MIXES DESIGNED TO MEET THE FOLLOWING CRITERIA FOR USE IN VARIOUS ELEMENTS OF THE STRUCTURE AS FOLLOWS:

STRUCTURAL ELEMENT	28-DAY COMPRESSIVE STRENGTH (PSI)	MAX. SIZE AGGREGATE	MAX. W/C RATIO	SLUMP RANGE (IN)
A. FOOTINGS & FOUNDATION WALLS	3000	1"	0.55	3-6

REINFORCING STEEL:

1. REINFORCING STEEL: ASTM A615, GRADE 60.

2. MINIMUM REINFORCING STEEL CLEAR COVER (U.N.O.):
   A. CONCRETE CAST DIRECTLY AGAINST EARTH ..... 3"
   B. FOUNDATION AND EXTERIOR WALLS..... 2"
   C. EXTERIOR SLABS ..... 1-1/2"

CONCRETE MASONRY:

1. CONCRETE MASONRY UNITS SHALL BE LOAD BEARING TYPE CONFORMING TO ASTM C-90 HAVING A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI (NET AREA).

2. MORTAR SHALL CONFORM TO ASTM C-270 TYPE S.

3. FILL CELLS AS NOTED ON DRAWINGS WITH 3000 PSI GROUT, OR GROUT CONFORMING TO ASTM C-476, SPECIFICALLY DESIGNED FOR FILLING OF CELLS.

STRUCTURAL STEEL:

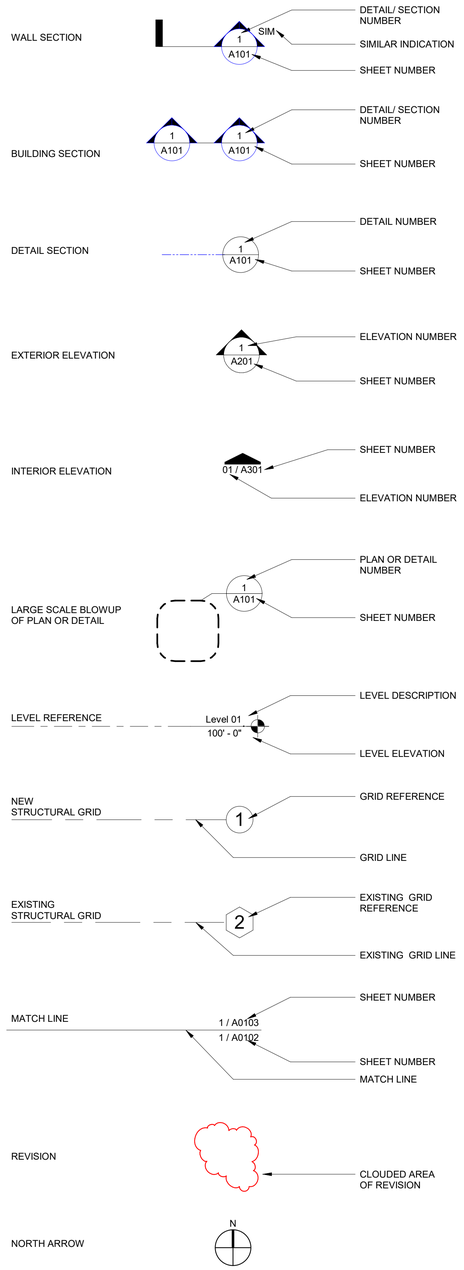
1. MATERIALS:
   ANGLES & PLATES..... ASTM A36
   HSS SHAPES.....ASTM A1085, GRADE A OR ASTM A500, GRADE C
   ANCHOR RODS..... ASTM F1554, GRADE 55 TYPE S1(UNO)
   WELDING ELECTRODES..... AWS D1.1, E70 SERIES

2. NON-SHRINK, NON-METALLIC GROUT WITH A MINIMUM 28 DAY STRENGTH OF 5000 PSI SHALL BE USED UNDER BASE PLATES AND SHALL CONFORM TO CORPS OF ENGINEERS CRD-C621, FACTORY PREMIX GROUT.

STRUCTURE MAINTENANCE:

1. THE SIGN OWNER SHALL BE AWARE THAT ALL BUILDINGS AND STRUCTURES REQUIRE ROUTINE AND PERIODIC MAINTENANCE. THIS MAINTENANCE IS ESPECIALLY IMPORTANT FOR ALL ELEMENTS EXPOSED TO THE ATMOSPHERE, SALT ENVIRONMENTS OR HARSH CHEMICALS. THE OWNER SHALL ESTABLISH A MAINTENANCE PROGRAM IN ORDER TO PREVENT DAMAGE TO THE STRUCTURE WHICH WILL SHORTEN THE LIFESPAN. ROUTINE MAINTENANCE ITEMS WOULD INCLUDE CLEANING, PAINTING, PRESSURE WASHING, SEALANT REPLACEMENT AND REPAIR OF ANY CRACKED OR SPALLED CONCRETE.

REFERENCE SYMBOLS (ALL DISCIPLINES)



ABBREVIATIONS

AC	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ARCH	ARCHITECT, ARCHITECTURAL
AUTO	AUTOMATIC
BLDG	BUILDING
BRG	BEARING
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFCM	COLD FORMED METAL FRAMING
CIP	CAST-IN-PLACE (CONCRETE)
CJ	CONTROL JOINT
CL	CENTERLINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRIDOR
DEMO	DEMOLISH, DEMOLITION
DEPT	DEPARTMENT
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRIC, ELECTRICAL
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EXP	EXPANSION
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FT	FOOT/FEET
FURN	FURNISH, FURNISHED, FURNISHINGS
GA	GAUGE, GAGE
GWB	GYPSUM WALL BOARD
HSS	HOLLOW STRUCTURAL SECTION
HVAC	HEATING-VENTILATING-AIR CONDITIONING
ID	INSIDE DIAMETER
INT	INTERIOR
LAV	LAVATORY
LWIC	LIGHTWEIGHT INSULATING CONCRETE
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER, MANUFACTURED
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR
REV	REVISE (ISION)
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
SF	SQUARE FOOT, FEET
SIM	SIMILAR
SPEC	SPECIFY, SPECIFICATION
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STRUC	STRUCTURE, STRUCTURAL
TBD	TO BE DETERMINED
TEMP	TEMPORARY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
T&G	TONGUE AND GROOVE
UC	UNDERCOUNTER
UOI	UNLESS OTHERWISE INDICATED
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
WD	WOOD
WP	WEATHERPROOF

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. RELY ON THE NUMERIC DIMENSIONS SHOWN FOR MEASUREMENT. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM THE ARCHITECT
2. REVIEW AND FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATING TO THE EXISTING SITE WHICH INTERFACE WITH THE NEW CONSTRUCTION. NOTIFY THE ARCHITECT WHEN EXISTING CONDITIONS VARY FROM THE PROJECT DRAWINGS.
3. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
4. UNLESS INDICATED OTHERWISE, PLAN DIMENSIONS ARE TAKEN FROM CENTERLINE OF STEEL STRUCTURE, FACE OF CONCRETE OR CMU.
5. FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE PRODUCT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND STANDARD DETAILS, IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATION REQUIREMENTS AND DESIGN INTENT.
6. PRIME AND PAINT ALL PIPES, CONDUITS, AND OTHER UTILITIES EXPOSED TO VIEW UNLESS INDICATED OTHERWISE, OR PROHIBITED BY MANUFACTURER.

Joseph B. Walker

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DN: E=jwalker@walker-arch.com, CN=Joseph B. Walker, O="WALKER ARCHITECTS, INC.", L=Gainesville, S=Florida, C=US
Date: 2024.06.20 11:12:03-04'00'

A/E FIRM:	DRAWN BY:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL SUB: HMB FRANKFORT, KY	JMO CADD: JMO TECH REVIEW: KL DATE: 05/24/2024	G001	GENERAL NOTES, SYMBOL LEGEND AND ABBREVIATIONS NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	G001 PMIS/PKG NO. SHEET 02 OF 15

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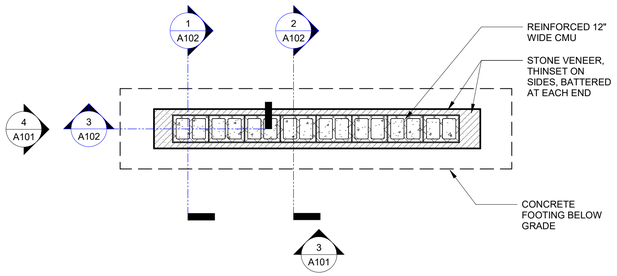
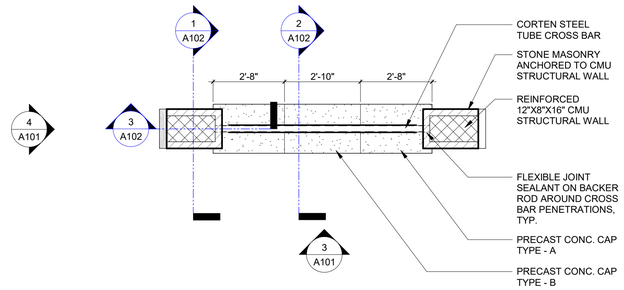
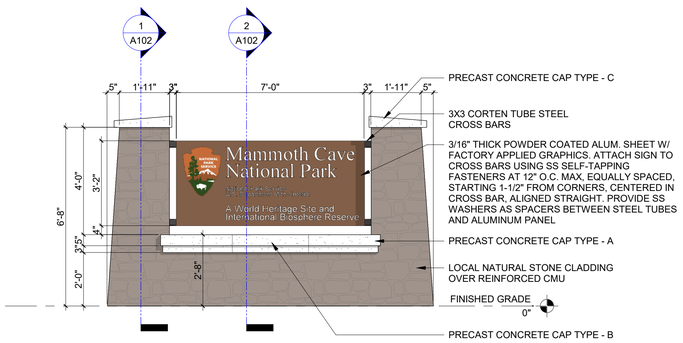


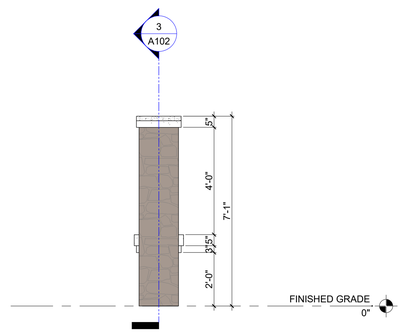
1 BASE PLAN
3/8" = 1'-0"



2 SIGN PLAN
3/8" = 1'-0"



3 FRONT / BACK ELEVATION
3/8" = 1'-0"



4 SIDE ELEVATION
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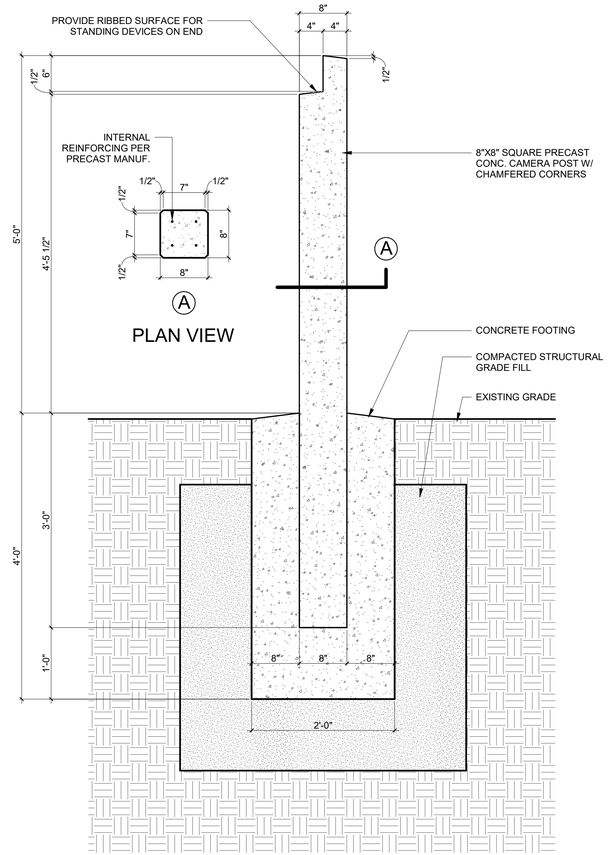

5 PRECAST CAMERA POST - SEE CIVIL FOR LOCATIONS
1" = 1'-0"

6/1/2024 12:37:13 PM

Joseph B. Walker

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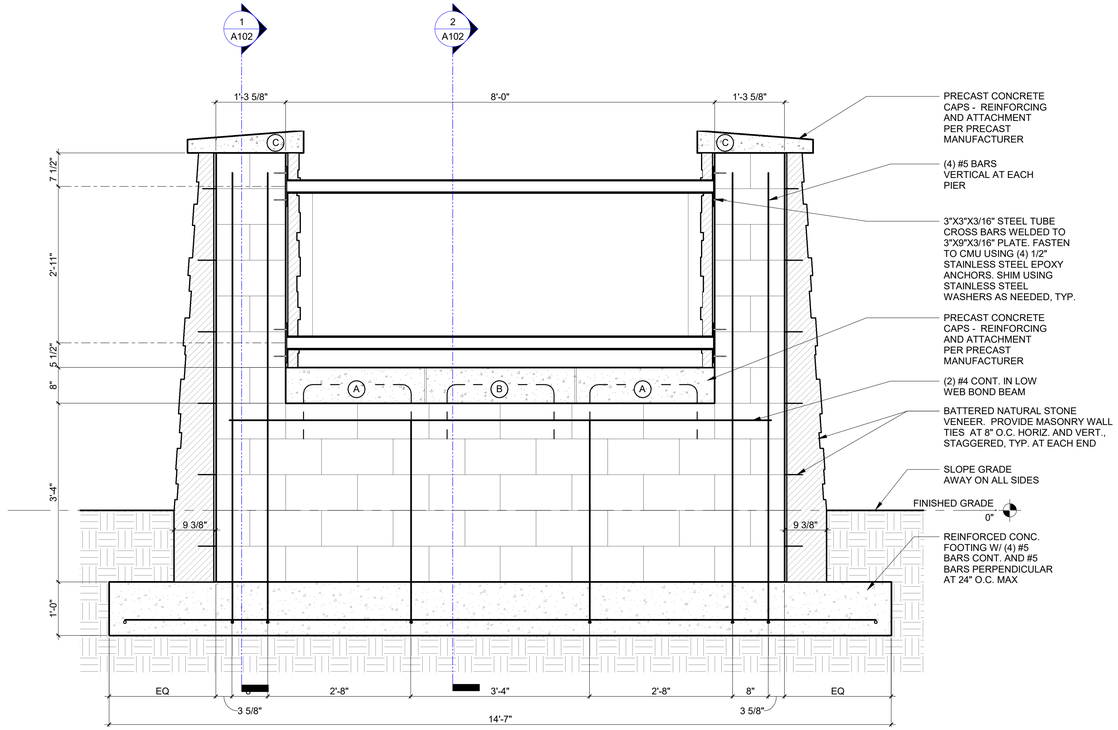
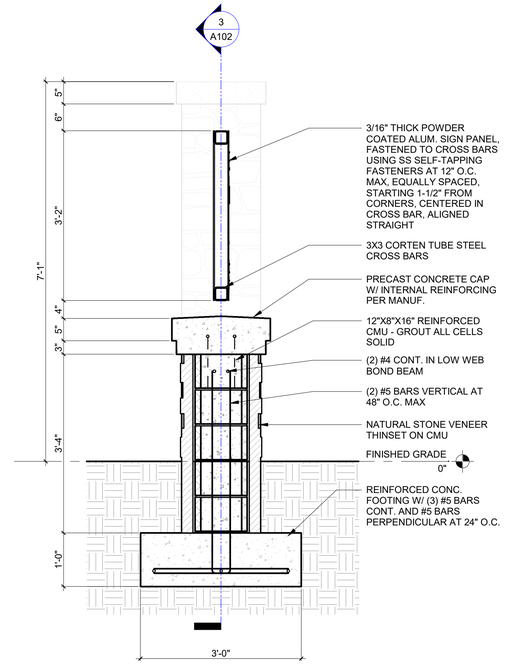
A/E FIRM:	DRAWN BY:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	JMO	A101	MONUMENT SIGN PLANS AND ELEVATIONS	A101
SUB: HMB FRANKFORT, KY	CADD: JMO		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: KL		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 03 OF 15
	DATE: 05/24/2024			



3 SECTION 3
3/4" = 1'-0"



2 SECTION 2
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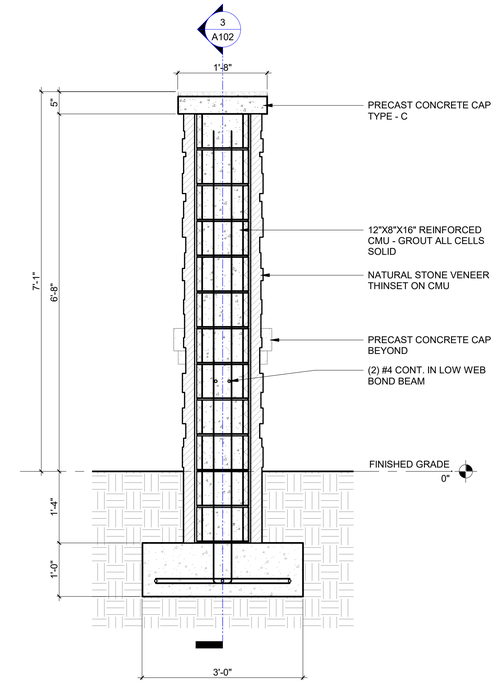

1 SECTION 1
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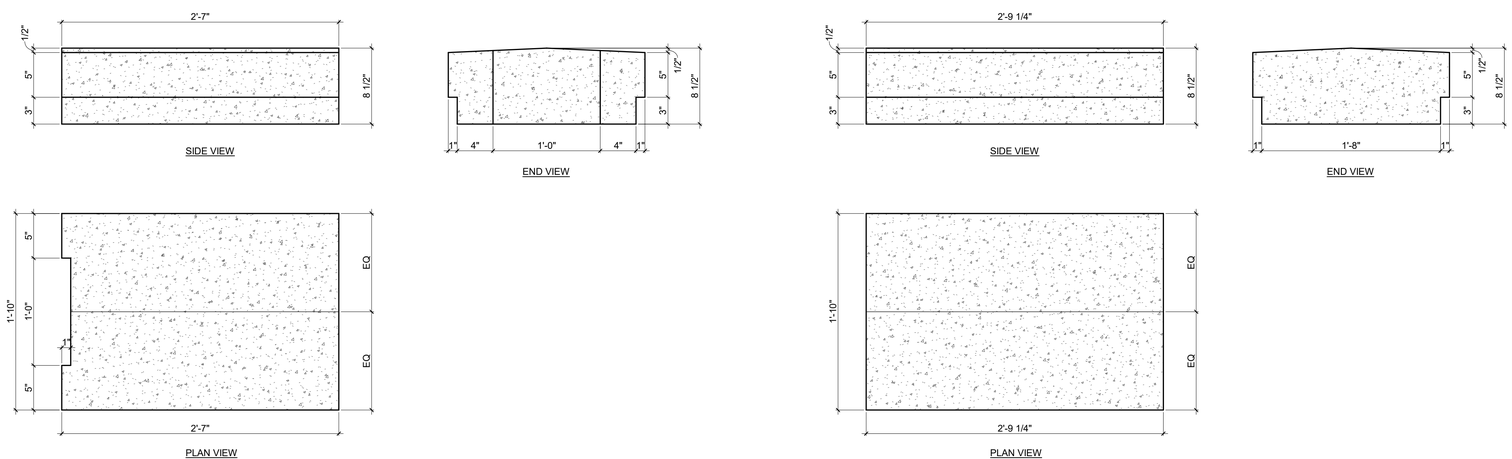

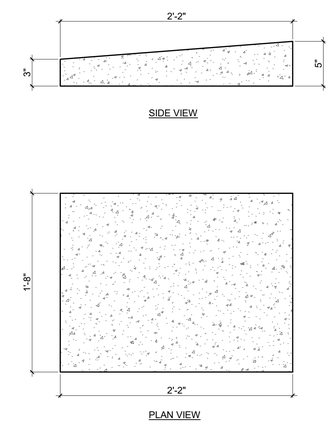

4 PRECAST SHAPE DETAILS
1 1/2" = 1'-0"

Joseph B. Walker

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A/E FIRM:	DRAWN BY:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	JMO	A102	MONUMENT SIGN SECTIONS	A101
SUB: HMB FRANKFORT, KY	CADD: JMO		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: KL		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 04 OF 15
	DATE: 05/24/2024			

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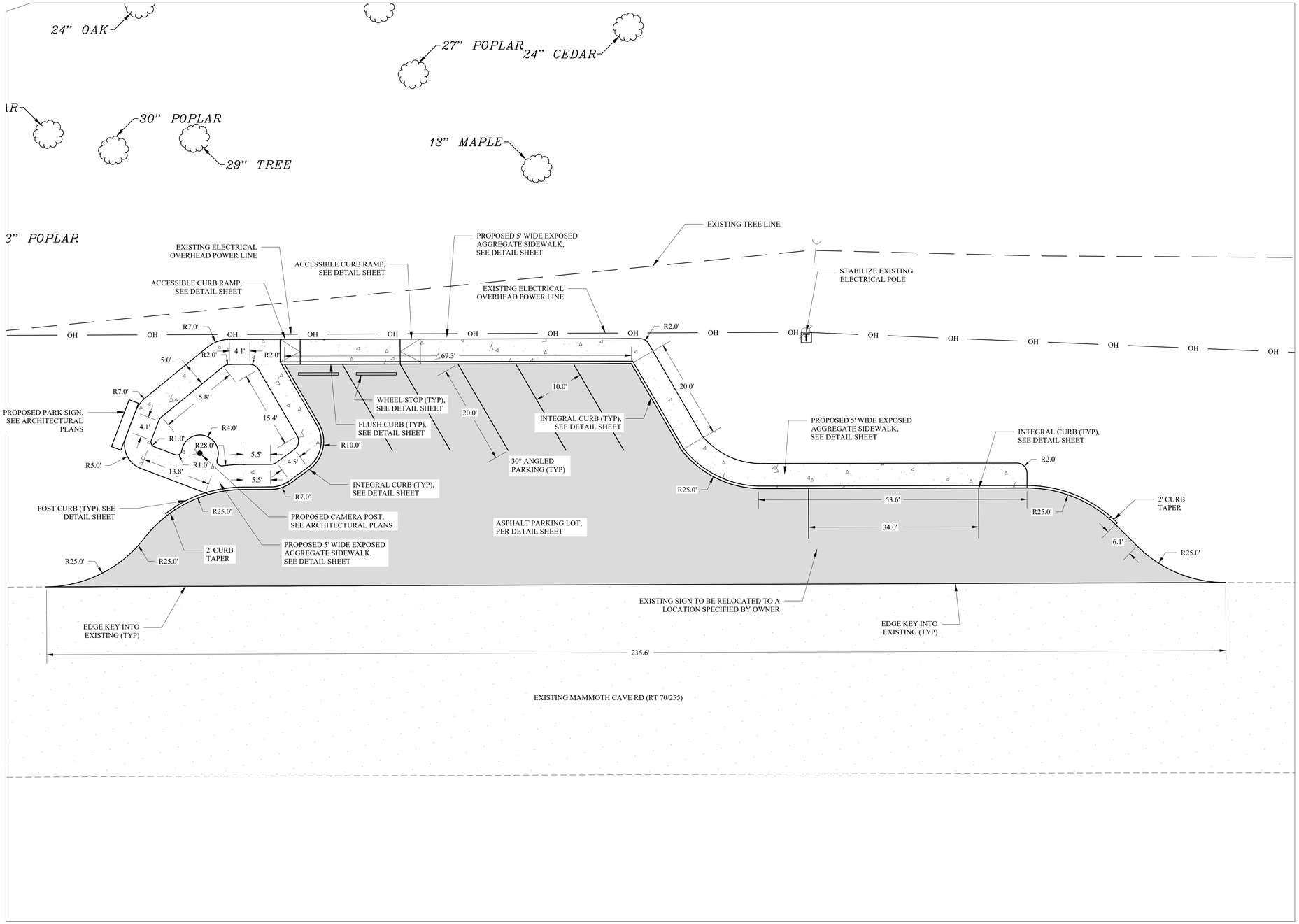

NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE PROJECT LIMITS FOR ANY SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR MAINTAINING ANY AND ALL WORK WITHIN THE LIMITS OF THE WORK AS DESIGNATED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ENCROACHMENT BEYOND THE LIMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS, PERMISSIONS, EASEMENTS, ETC TO UTILIZE AREAS BEYOND THE PROJECT LIMITS.
2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO DEMOLITION WORK EITHER BY UTILIZATION OF B.U.D. OR A 3RD PARTY UTILITY LOCATE COMPANY. COSTS FOR ESTABLISHING THE LOCATION OF EXISTING UTILITIES SHALL BE THE COST OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL ESTABLISH TRAFFIC CONTROL AND SIGNING AS REQUIRED BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PROVIDE TEMPORARY BARRICADES, TRAFFIC BARRELS, FLAGGERS AS NECESSARY FOR CREW AND MOTORIST SAFETY AND PER THE MAINTENANCE OF TRAFFIC/TEMPORARY TRAFFIC CONTROL PLAN INCLUDED IF INCLUDED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY STREET CLOSURES, DETOURS, ETC. WITH AUTHORITIES HAVING JURISDICTION AND GOVERNING AGENCIES OF STREETS AND ROADS.
4. DURING CONSTRUCTION, THE WORK AREA SHALL BE KEPT CLEAR OF DEBRIS. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. CONTRACTOR SHALL PAY ALL HAULING AND LANDFILL EXPENSES AND OBTAIN ANY NECESSARY PERMITS TO DO SO.
5. CONTRACTOR TO PROTECT EXISTING TREES OUTSIDE OF CONSERVATION LIMITS. NO MATERIAL IS TO BE STORED WITHIN A TREE DRIP LINE.
6. PROVIDE TREE PROTECTION FENCING FOR ALL EXISTING TREES THAT ARE NOT DESIGNATED TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.
7. SAWCUT EDGES OF PAVEMENT TO REMAIN IN CLEAN STRAIGHT LINES. COORDINATE SAWCUTS WITH PROPOSED LAYOUT PLAN.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ANY OVERHEAD UTILITY LINES THAT MAY CONFLICT WITH ANY ASPECT OF THE SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR SAFE OPERATION OF EQUIPMENT AND PERSONNEL THAT MAY CONFLICT WITH ANY OVERHEAD UTILITY SERVICES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LOCAL NOISE ORDINANCES THAT MAY RESTRICT THE TYPE OF EQUIPMENT OR TIMES OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXTENT, IF ANY, OF LOCAL NOISE ORDINANCES ASSOCIATED WITH CONSTRUCTION OR DEMOLITION ACTIVITIES.
10. DIMENSIONS ARE NOT TO BE SCALED. SHOULD DISCREPANCIES OCCUR WITH DIMENSIONS ON THESE PLANS, NOTIFY ENGINEER FOR CLARIFICATION.
11. PRIOR TO CONSTRUCTION OR DEMOLITION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES SO THAT NEW CONSTRUCTION WILL NOT DAMAGE OR INTERFERE WITH EXISTING UTILITY LINES. SHOULD DAMAGE OCCUR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE SAID DAMAGE AT THE CONTRACTOR'S EXPENSE..
12. ALL PAVEMENT MARKING LINES SHALL BE 4" PAINTED AND MEASURED CENTER TO CENTER U.N.O.
13. ALL WORK, CONSTRUCTION REQUIREMENTS, AND PERFORMANCE STANDARDS SHALL COMPLY WITH LOCAL AND STATE STANDARDS.
14. EXISTING BUILDINGS, PAVEMENTS, SIDEWALKS, AND OTHER SITE IMPROVEMENTS SHALL BE PROTECTED DURING CONSTRUCTION. THEIR CONDITIONS SHALL BE PHOTOGRAPHICALLY DOCUMENTED PRIOR TO CONSTRUCTION. DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
15. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA JOBSITE REQUIREMENTS.
16. ALL PAVED AREAS INCLUDING SIDEWALKS, PARKING AREAS, SERVICE AREAS, ETC. ARE SPECIFIED WITH MATERIALS FOR THE INTENDED FINAL USE OF EACH AREA. THE AREAS ARE NOT SPECIFIED TO BE USED FOR TEMPORARY CONSTRUCTION TRAFFIC. SHOULD THE CONTRACTOR INSTALL OR CONSTRUCT THE PAVED AREA AS SPECIFIED AND THE USE FOR TEMPORARY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL (AT NO COST TO THE OWNER) REPAIR AND/OR RECONSTRUCT THE AREAS WITH REGARDS TO MEETING MATERIAL SPECIFICATIONS, SUBSEQUENT STABILIZATION, AND GRADING PRIOR TO CONSTRUCTION OF FINAL PAVEMENT SURFACES.
17. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY SHALL COMPLY WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINE STANDARDS AND REGULATIONS. CONTRACTOR SHALL SCHEDULE ANY REQUIRED INSPECTIONS WITH LOCAL/STATE INSPECTORS.

TOTAL AREA TO BE PAVED
PARKING LOT = 5,700 SF

0 10 20 Feet

1" = 10' ON 24"x36" SHEET

BEFORE YOU DIG

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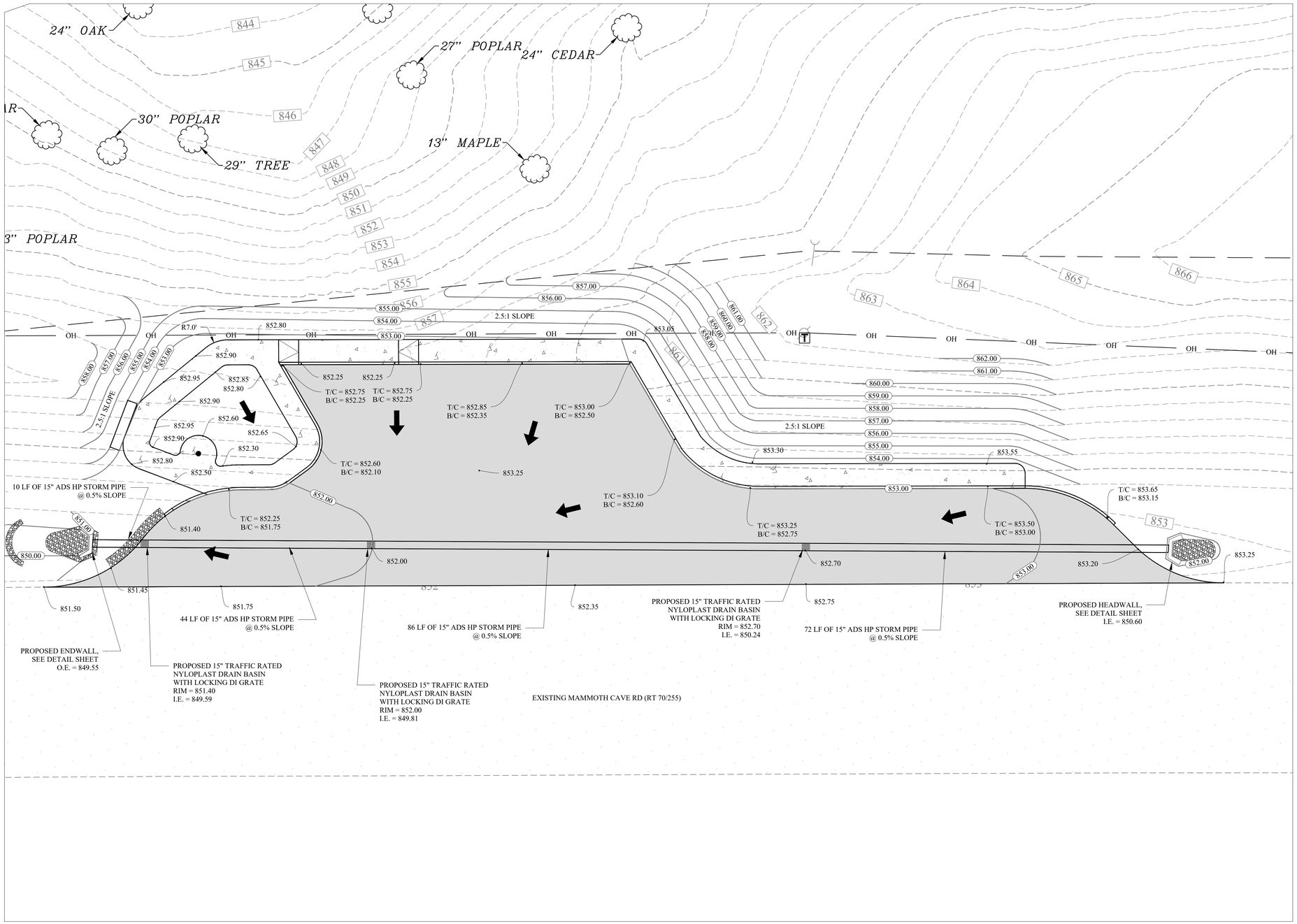
A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C001	CHAUMONT SITE	C001
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 05 OF 15
	DATE: 3/14/2024			



NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE PROJECT LIMITS FOR ANY SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR MAINTAINING ANY AND ALL WORK WITHIN THE LIMITS OF THE WORK AS DESIGNATED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ENCROACHMENT BEYOND THE LIMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS, PERMISSIONS, EASEMENTS, ETC TO UTILIZE AREAS BEYOND THE PROJECT LIMITS.
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3. THE CONTRACTOR SHALL ESTABLISH TRAFFIC CONTROL AND SIGNING AS REQUIRED BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PROVIDE TEMPORARY BARRICADES, TRAFFIC BARRELS, FLAGGERS AS NECESSARY FOR CREW AND MOTORIST SAFETY AND PER THE MAINTENANCE OF TRAFFIC/TEMPORARY TRAFFIC CONTROL PLAN INCLUDED IF INCLUDED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY STREET CLOSURES, DETOURS, ETC. WITH AUTHORITIES HAVING JURISDICTION AND GOVERNING AGENCIES OF STREETS AND ROADS.
4. DURING CONSTRUCTION, THE WORK AREA SHALL BE KEPT CLEAR OF DEBRIS. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. CONTRACTOR SHALL PAY ALL HAULING AND LANDFILL EXPENSES AND OBTAIN ANY NECESSARY PERMITS TO DO SO.
5. CONTRACTOR TO PROTECT EXISTING TREES OUTSIDE OF CONSERVATION LIMITS. NO MATERIAL IS TO BE STORED WITHIN A TREE DRIP LINE.
6. PROVIDE TREE PROTECTION FENCING FOR ALL EXISTING TREES THAT ARE NOT DESIGNATED TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ANY OVERHEAD UTILITY LINES THAT MAY CONFLICT WITH ANY ASPECT OF THE SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR SAFE OPERATION OF EQUIPMENT AND PERSONNEL THAT MAY CONFLICT WITH ANY OVERHEAD UTILITY SERVICES.
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13. SPOT ELEVATIONS DESIGNATE FINISHED SURFACE ELEVATION.
14. ANY MATERIAL RESULTED FROM A NET CUT OF THE SITE IS TO BE REMOVED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
15. TOPSOIL SHALL BE STRIPPED, STOCKPILED, AND REDRESSED FOR THE ENTIRETY OF THE DISTURBED AREA SHOWN.
16. ALL ROCK ENCOUNTERED SHALL BE UNDERCUT MINIMUM 12" BELOW SUBGRADE OR AS SPECIFIED IN THE GEOTECHNICAL REPORT U.N.O. ALL EXCAVATION IS UNCLASSIFIED.
17. ALL GRADING SHALL RESULT IN WATER BEING DIRECTED AWAY FROM STRUCTURES, NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE.
18. CONTRACTOR MUST COMPLY WITH ALL ADA REQUIREMENTS AND SPECIFICATIONS INCLUDING MAX 2% CROSS SLOPE FOR ADA ROUTES AND MAX 2% SLOPE ON LANDING AND RAMPS. CONTRACTOR MUST VERIFY ADA COMPLIANT GRADES PRIOR TO PAVING AND NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE.
19. ANY FILL MATERIAL MUST BE VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER AS SUITABLE STRUCTURAL FILL MATERIAL.
20. RIM ELEVATIONS OF ALL STRUCTURES SHALL BE FLUSH WITH SURROUNDING GRADE U.N.O.
21. TOPSOIL SHALL BE MINIMUM 4" DEEP IN GRASS AREAS AND 12" DEEP IN LANDSCAPED AREAS.
22. FINISH GRADING MUST BE INSPECTED AND APPROVED BY ENGINEER AND MUST BE FREE OF OBSTACLES, DEPRESSIONS, OR OTHER INCONSISTENCIES. ANY REGRADING EFFORTS MUST BE COMPLETED AT CONTRACTOR'S EXPENSE.
23. REFER TO ARCHITECTURAL PLANS FOR ALL TIE-INS WITH BUILDING UTILITIES AND RAIN WATER LEADERS. NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE.
24. STORM PIPING STONE BACKFILL TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION, BUT MUST NOT BE LESS THAN 12" OVER PIPING IN TURF AREAS AND FULL DEPTH UNDER PAVEMENT.
25. CONTRACTOR SHALL COMPLETE ANY DEWATERING ACTIVITIES AT THE CONTRACTOR'S EXPENSE. DEWATERING MUST BE PERFORMED IN THE PRESENCE OF GROUNDWATER INTRUSION.
26. ANY SUMPS IN STORMWATER STRUCTURES SHALL BE FILLED WITH CONCRETE TO INVERT ELEVATION SPECIFIED.

0 10 20 Feet

1" = 10' ON 24"x36" SHEET

BEFORE YOU DIG

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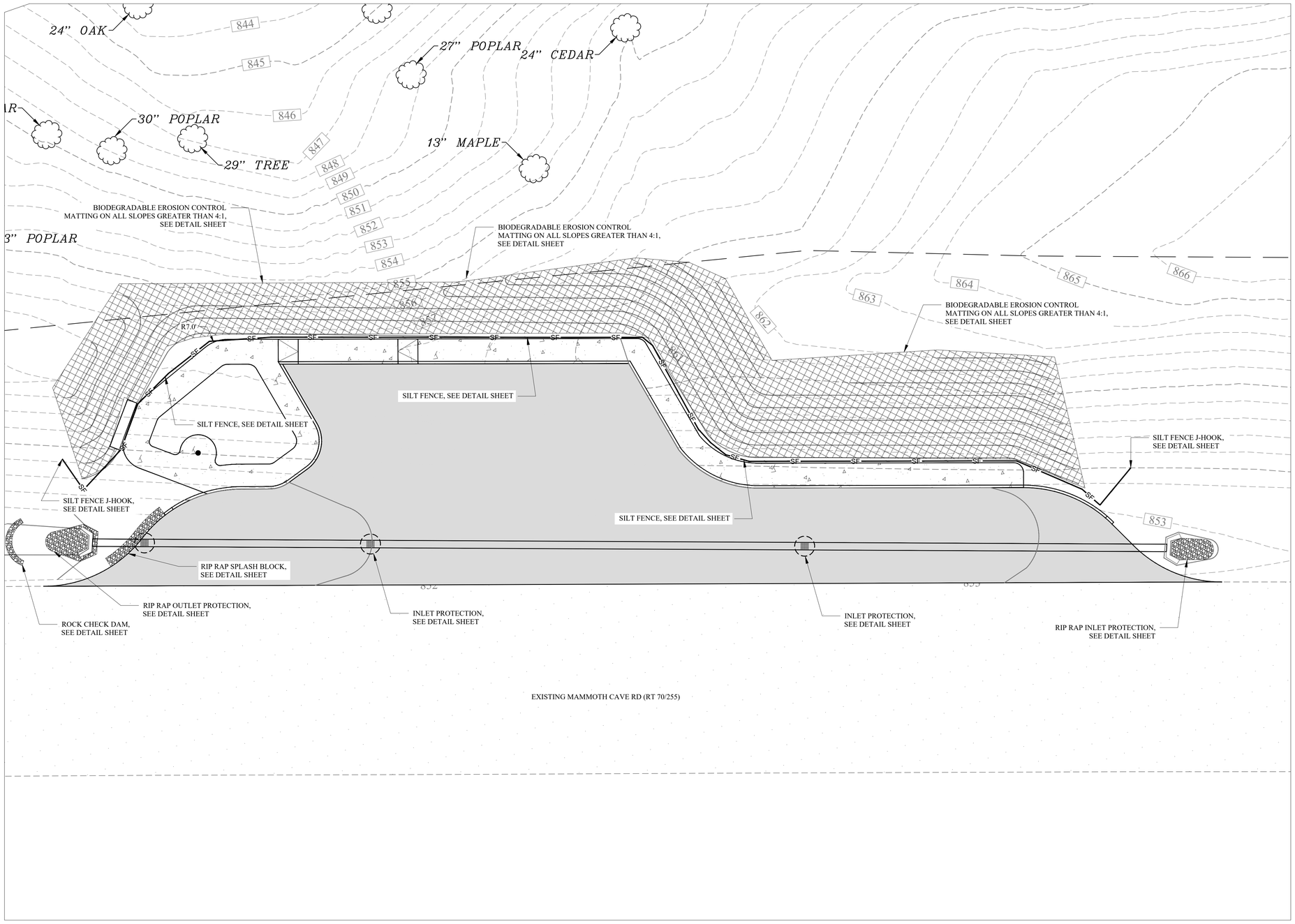
A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C002	CHAUMONT GRADING	C002
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 06 OF 15
	DATE: 3/14/2024			



NOTES:

1. NO VEGETATION OR CONSTRUCTION DEBRIS SHALL BE BURIED ON SITE AND NO BURNING PITS SHALL BE PLACED IN FUTURE RIGHT - OF - WAY OR LIKELY BUILDING LOCATIONS OR SANITARY SEWER EASEMENTS.
2. ALL DISTURBED AREAS THAT REMAIN INACTIVE FOR MORE THAN 21 DAYS SHALL BE STABILIZES BY SEEDING, SODDING MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICABLE, BUT IN NO CASES MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
3. WHEN CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY, OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED, UNTIL SUCH TIME AS CONDITIONS PERMIT.
4. INSTALL SLIT FENCES FOR CURB INLET PROTECTION AS INDICATED ON SITE PLAN PRIOR TO ANY OTHER DISTURBANCES.
5. SLIT FENCE SHALL BE CLEANED/REPAIRED WHEN SLIT BUILDUP REACHES 1/3 SLIT FENCE HEIGHT.
6. PERFORM ROUGH GRADING OPERATION AS INDICATED ON CONSTRUCTION DRAWINGS.
7. REDISTRIBUTE TOPSOIL AND SOW GRASS SEED IMMEDIATELY AFTER SPREADING TOPSOIL.
8. MAINTAIN ALL EROSION CONTROL DEVICES IN FULLY FUNCTIONAL CONDITION UNTIL 90% OF THE CONTRIBUTING WATERSHED IS BUILT OUT AND/OR VEGETATIVE IS ACHIEVED. AT SUCH TIME THAT ALL SLIT FENCE MUST BE REMOVED, PROPERLY REGRADE AND SEED THESE AREAS.
9. ALL INSTALLED BMP MEASURES MUST BE INSPECTED EVERY 7 DAYS AND / OR WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5". AN INSPECTION LOG SHALL BE KEPT ON SITE AND MADE AVAILABLE FOR REVIEW.
10. THE FOLLOW GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT:

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB
- PRODUCTS AND MATERIALS WILL BE STORED AWAY FROM THE SURFACE DRAINAGE SYSTEM.
- ALL MATERIALS STORED ONSITE WILL BE SORTED IN A NEAT, ORDERLY MANNER IN THEIR IN THEIR APPROPRIATE CONTAINER AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURE'S LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- MANUFACTURES RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USED AND DISPOSAL OF MATERIALS ONSITE.
- DUST WILL BE CONTROLLED BY WATER SPRAYED FROM A TANKER TRUCK AS NEEDED DURING DRY WEATHER.
- ANY NEEDED DEWATERING SHALL BE FILTERED PRIOR TO RELEASE ON THE SURFACE.

0 10 20 Feet

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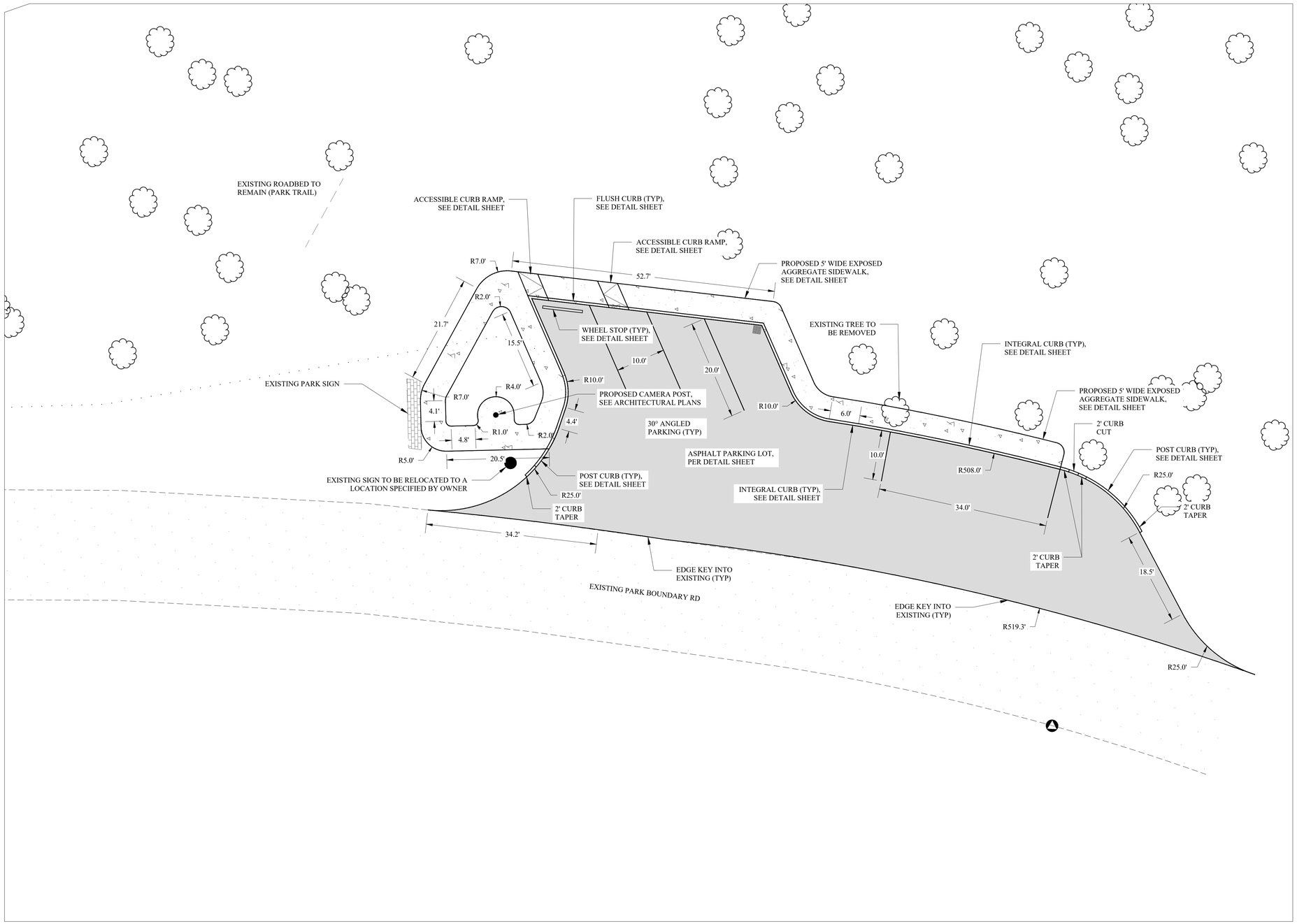
A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C003	CHAUMONT EPSC	C003
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET
	DATE: 3/14/2024			07 OF 15



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7. SAWCUT EDGES OF PAVEMENT TO REMAIN IN CLEAN STRAIGHT LINES. COORDINATE SAWCUTS WITH PROPOSED LAYOUT PLAN.
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TOTAL AREA TO BE PAVED PARKING LOT = 4,500 SF

0 10 20 Feet

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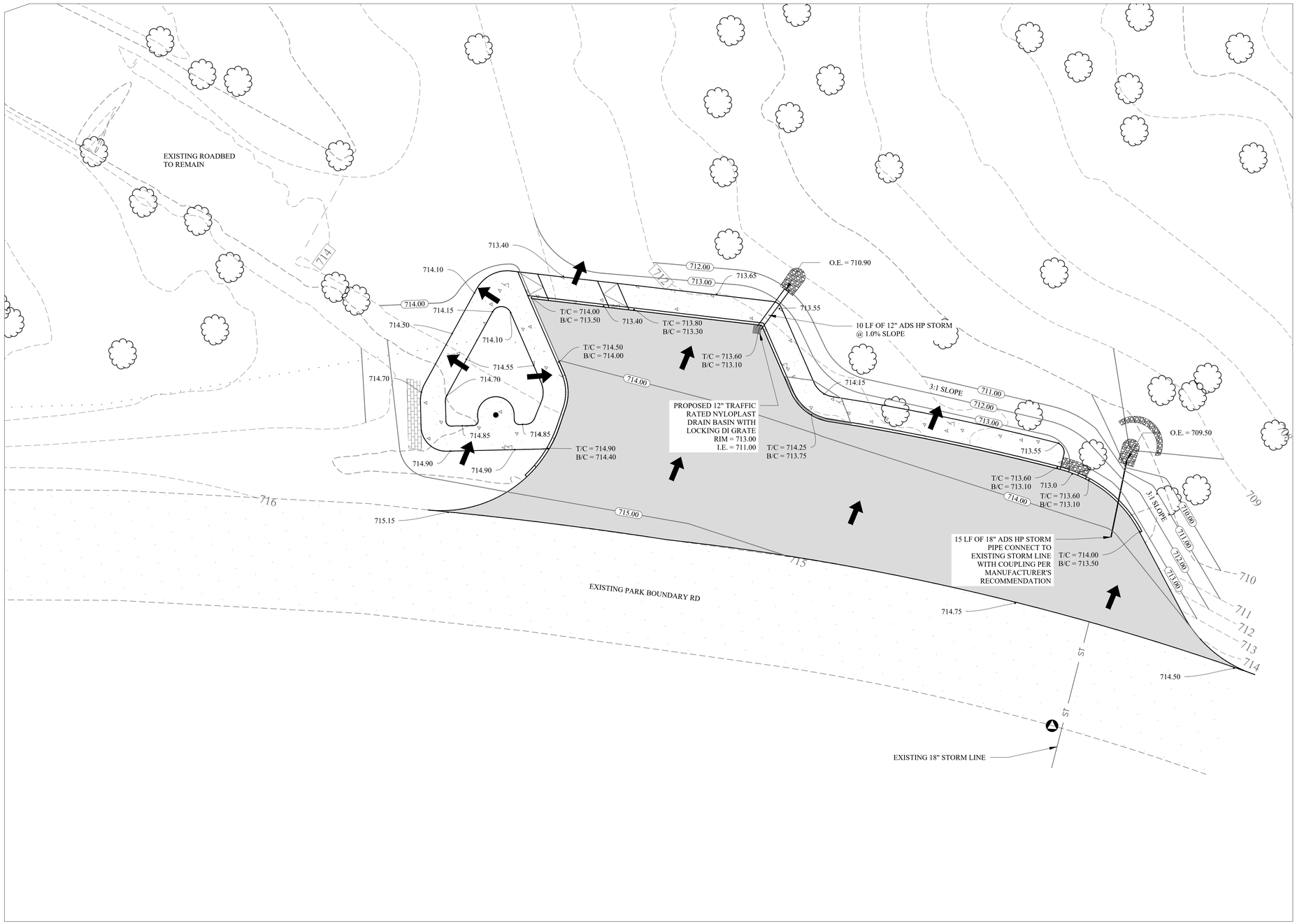
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C004	CEDAR SINK SITE	C004
	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
SUB: HMB FRANKFORT, KY	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 08 OF 15
	DATE: 3/14/2024			



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19. ANY FILL MATERIAL MUST BE VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER AS SUITABLE STRUCTURAL FILL MATERIAL.
20. RIM ELEVATIONS OF ALL STRUCTURES SHALL BE FLUSH WITH SURROUNDING GRADE U.N.O.
21. TOPSOIL SHALL BE MINIMUM 4" DEEP IN GRASS AREAS AND 12" DEEP IN LANDSCAPED AREAS.
22. FINISH GRADING MUST BE INSPECTED AND APPROVED BY ENGINEER AND MUST BE FREE OF OBSTACLES, DEPRESSIONS, OR OTHER INCONSISTENCIES. ANY REGRADING EFFORTS MUST BE COMPLETED AT CONTRACTOR'S EXPENSE.
23. REFER TO ARCHITECTURAL PLANS FOR ALL TIE-INS WITH BUILDING UTILITIES AND RAIN WATER LEADERS. NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE.
24. STORM PIPING STONE BACKFILL TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION, BUT MUST NOT BE LESS THAN 12" OVER PIPING IN TURF AREAS AND FULL DEPTH UNDER PAVEMENT.
25. CONTRACTOR SHALL COMPLETE ANY DEWATERING ACTIVITIES AT THE CONTRACTOR'S EXPENSE. DEWATERING MUST BE PERFORMED IN THE PRESENCE OF GROUNDWATER INTRUSION.
26. ANY SUMPS IN STORMWATER STRUCTURES SHALL BE FILLED WITH CONCRETE TO INVERT ELEVATION SPECIFIED.

= DRAINAGE ARROW

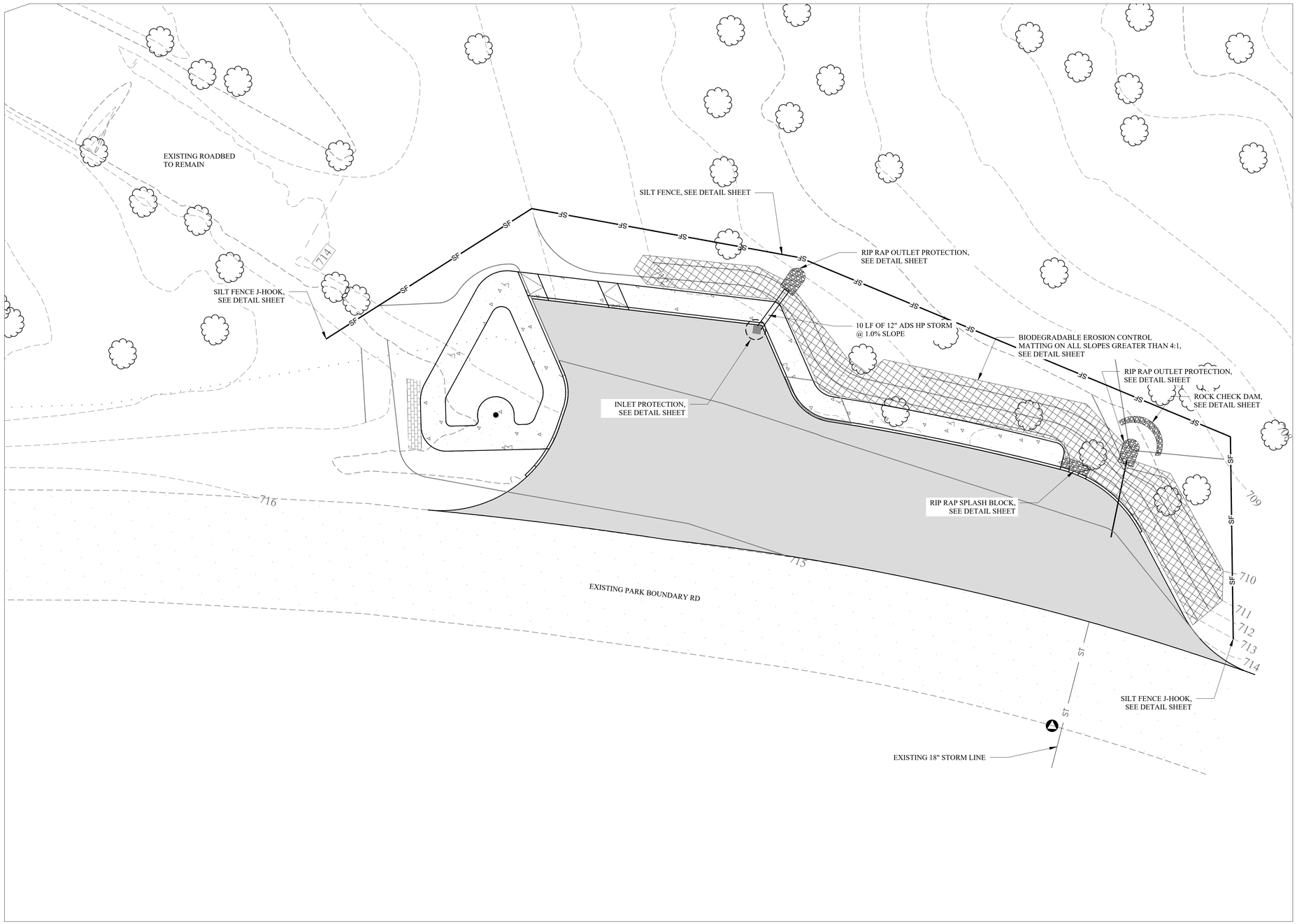
0 10 20 Feet

1" = 10' ON 24"x36" SHEET

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C005	CEDAR SINK GRADING	C005
	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
SUB: HMB FRANKFORT, KY	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 09 OF 15
	DATE: 3/14/2024			



NOTES:

1. NO VEGETATION OR CONSTRUCTION DEBRIS SHALL BE BURIED ON SITE AND NO BURNING PITS SHALL BE PLACED IN FUTURE RIGHT - OF - WAY OR LIKELY BUILDING LOCATIONS OR SANITARY SEWER EASEMENTS.
2. ALL DISTURBED AREAS THAT REMAIN INACTIVE FOR MORE THAN 21 DAYS SHALL BE STABILIZES BY SEEDING, SODDING MULCHING, COVERING, OR BY OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICABLE, BUT IN NO CASES MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
3. WHEN CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY, OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED, UNTIL SUCH TIME AS CONDITIONS PERMIT.
4. INSTALL SLIT FENCES FOR CURB INLET PROTECTION AS INDICATED ON SITE PLAN PRIOR TO ANY OTHER DISTURBANCES.
5. SLIT FENCE SHALL BE CLEANED/REPAIRED WHEN SLIT BUILDUP REACHES 1/3 SLIT FENCE HEIGHT.
6. PERFORM ROUGH GRADING OPERATION AS INDICATED ON CONSTRUCTION DRAWINGS.
7. REDISTRIBUTE TOPSOIL AND SOW GRASS SEED IMMEDIATELY AFTER SPREADING TOPSOIL.
8. MAINTAIN ALL EROSION CONTROL DEVICES IN FULLY FUNCTIONAL CONDITION UNTIL 90% OF THE CONTRIBUTING WATERSHED IS BUILT OUT AND/OR VEGETATIVE IS ACHIEVED. AT SUCH TIME THAT ALL SLIT FENCE MUST BE REMOVED, PROPERLY REGRADE AND SEED THESE AREAS.
9. ALL INSTALLED BMP MEASURES MUST BE INSPECTED EVERY 7 DAYS AND / OR WITHIN 24 HOURS OF A RAINFALL EVENT GREATER THAN 0.5". AN INSPECTION LOG SHALL BE KEPT ON SITE AND MADE AVAILABLE FOR REVIEW.
10. THE FOLLOW GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT:

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB
- PRODUCTS AND MATERIALS WILL BE STORED AWAY FROM THE SURFACE DRAINAGE SYSTEM.
- ALL MATERIALS STORED ONSITE WILL BE SORTED IN A NEAT, ORDERLY MANNER IN THEIR IN THEIR APPROPRIATE CONTAINER AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURE'S LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- MANUFACTURES RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USED AND DISPOSAL OF MATERIALS ONSITE.
- DUST WILL BE CONTROLLED BY WATER SPRAYED FROM A TANKER TRUCK AS NEEDED DURING DRY WEATHER.
- ANY NEEDED DEWATERING SHALL BE FILTERED PRIOR TO RELEASE ON THE SURFACE.

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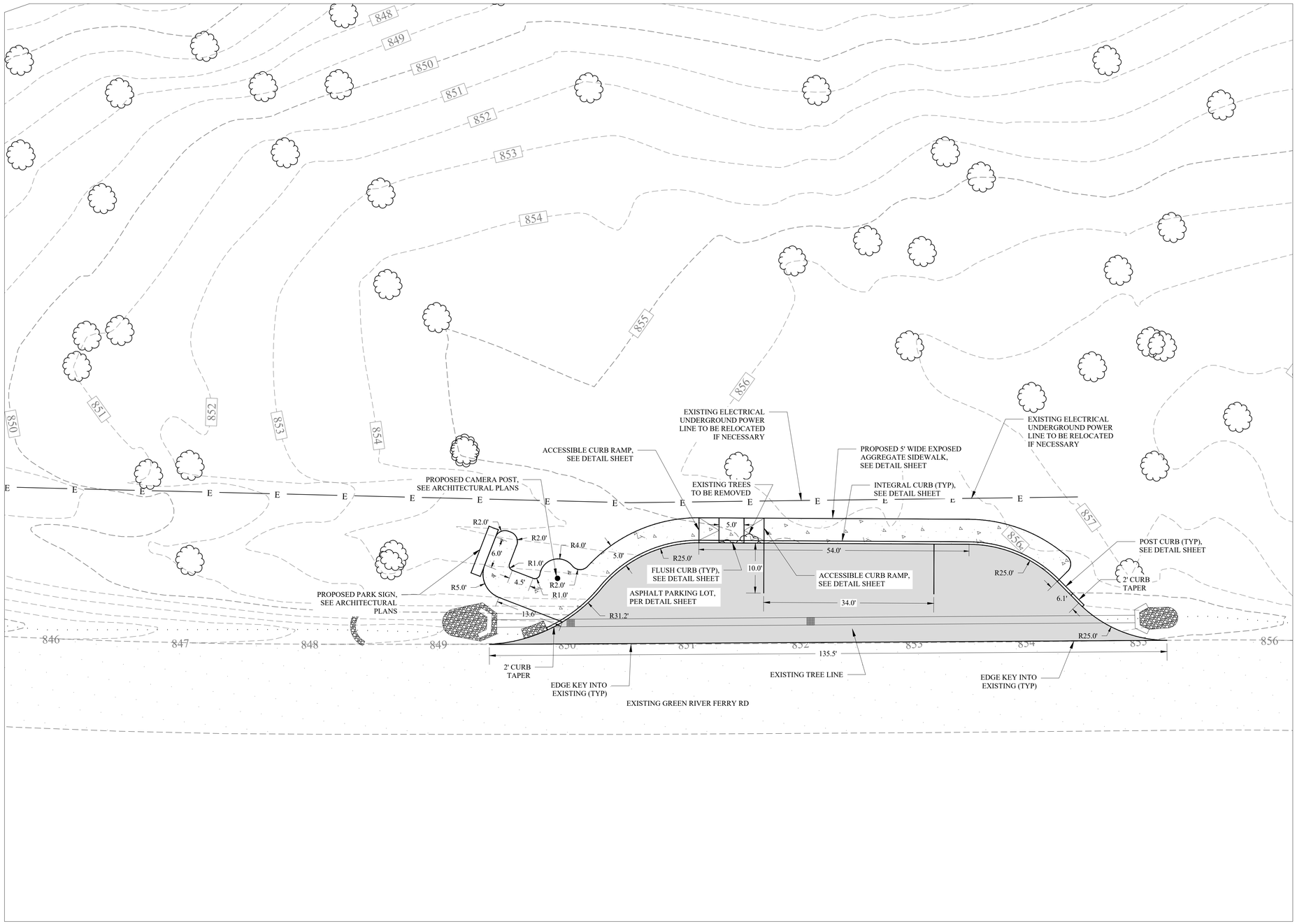
A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL SUB: HMB FRANKFORT, KY	DKB CADD: DKB TECH REVIEW: BGB DATE: 3/14/2024	C006	CEDAR SINK EPSC **NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS** MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	C006 PMIS/PKG NO. SHEET 10 OF 15



NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE PROJECT LIMITS FOR ANY SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR MAINTAINING ANY AND ALL WORK WITHIN THE LIMITS OF THE WORK AS DESIGNATED. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ENCROACHMENT BEYOND THE LIMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS, PERMISSIONS, EASEMENTS, ETC TO UTILIZE AREAS BEYOND THE PROJECT LIMITS.
2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO DEMOLITION WORK EITHER BY UTILIZATION OF B.U.D. OR A 3RD PARTY UTILITY LOCATE COMPANY. COSTS FOR ESTABLISHING THE LOCATION OF EXISTING UTILITIES SHALL BE THE COST OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL ESTABLISH TRAFFIC CONTROL AND SIGNING AS REQUIRED BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PROVIDE TEMPORARY BARRICADES, TRAFFIC BARRELS, FLAGGERS AS NECESSARY FOR CREW AND MOTORIST SAFETY AND PER THE MAINTENANCE OF TRAFFIC/TEMPORARY TRAFFIC CONTROL PLAN INCLUDED IF INCLUDED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY STREET CLOSURES, DETOURS, ETC. WITH AUTHORITIES HAVING JURISDICTION AND GOVERNING AGENCIES OF STREETS AND ROADS.
4. DURING CONSTRUCTION, THE WORK AREA SHALL BE KEPT CLEAR OF DEBRIS. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. CONTRACTOR SHALL PAY ALL HAULING AND LANDFILL EXPENSES AND OBTAIN ANY NECESSARY PERMITS TO DO SO.
5. CONTRACTOR TO PROTECT EXISTING TREES OUTSIDE OF CONSERVATION LIMITS. NO MATERIAL IS TO BE STORED WITHIN A TREE DRIP LINE.
6. PROVIDE TREE PROTECTION FENCING FOR ALL EXISTING TREES THAT ARE NOT DESIGNATED TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.
7. SAWCUT EDGES OF PAVEMENT TO REMAIN IN CLEAN STRAIGHT LINES. COORDINATE SAWCUTS WITH PROPOSED LAYOUT PLAN.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ANY OVERHEAD UTILITY LINES THAT MAY CONFLICT WITH ANY ASPECT OF THE SITE DEMOLITION AND SHALL BE RESPONSIBLE FOR SAFE OPERATION OF EQUIPMENT AND PERSONNEL THAT MAY CONFLICT WITH ANY OVERHEAD UTILITY SERVICES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LOCAL NOISE ORDINANCES THAT MAY RESTRICT THE TYPE OF EQUIPMENT OR TIMES OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXTENT, IF ANY, OF LOCAL NOISE ORDINANCES ASSOCIATED WITH CONSTRUCTION OR DEMOLITION ACTIVITIES.
10. DIMENSIONS ARE NOT TO BE SCALED. SHOULD DISCREPANCIES OCCUR WITH DIMENSIONS ON THESE PLANS, NOTIFY ENGINEER FOR CLARIFICATION.
11. PRIOR TO CONSTRUCTION OR DEMOLITION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES SO THAT NEW CONSTRUCTION WILL NOT DAMAGE OR INTERFERE WITH EXISTING UTILITY LINES. SHOULD DAMAGE OCCUR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE SAID DAMAGE AT THE CONTRACTOR'S EXPENSE..
12. ALL PAVEMENT MARKING LINES SHALL BE 4" PAINTED AND MEASURED CENTER TO CENTER U.N.O.
13. ALL WORK, CONSTRUCTION REQUIREMENTS, AND PERFORMANCE STANDARDS SHALL COMPLY WITH LOCAL AND STATE STANDARDS.
14. EXISTING BUILDINGS, PAVEMENTS, SIDEWALKS, AND OTHER SITE IMPROVEMENTS SHALL BE PROTECTED DURING CONSTRUCTION. THEIR CONDITIONS SHALL BE PHOTOGRAPHICALLY DOCUMENTED PRIOR TO CONSTRUCTION. DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
15. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA JOBSITE REQUIREMENTS.
16. ALL PAVED AREAS INCLUDING SIDEWALKS, PARKING AREAS, SERVICE AREAS, ETC. ARE SPECIFIED WITH MATERIALS FOR THE INTENDED FINAL USE OF EACH AREA. THE AREAS ARE NOT SPECIFIED TO BE USED FOR TEMPORARY CONSTRUCTION TRAFFIC. SHOULD THE CONTRACTOR INSTALL OR CONSTRUCT THE PAVED AREA AS SPECIFIED AND THE USE FOR TEMPORARY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL (AT NO COST TO THE OWNER) REPAIR AND/OR RECONSTRUCT THE AREAS WITH REGARDS TO MEETING MATERIAL SPECIFICATIONS, SUBSEQUENT STABILIZATION, AND GRADING PRIOR TO CONSTRUCTION OF FINAL PAVEMENT SURFACES.
17. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY SHALL COMPLY WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINE STANDARDS AND REGULATIONS. CONTRACTOR SHALL SCHEDULE ANY REQUIRED INSPECTIONS WITH LOCAL/STATE INSPECTORS.

TOTAL AREA TO BE PAVED
PARKING LOT = 6,000 SF

0 10 20 Feet

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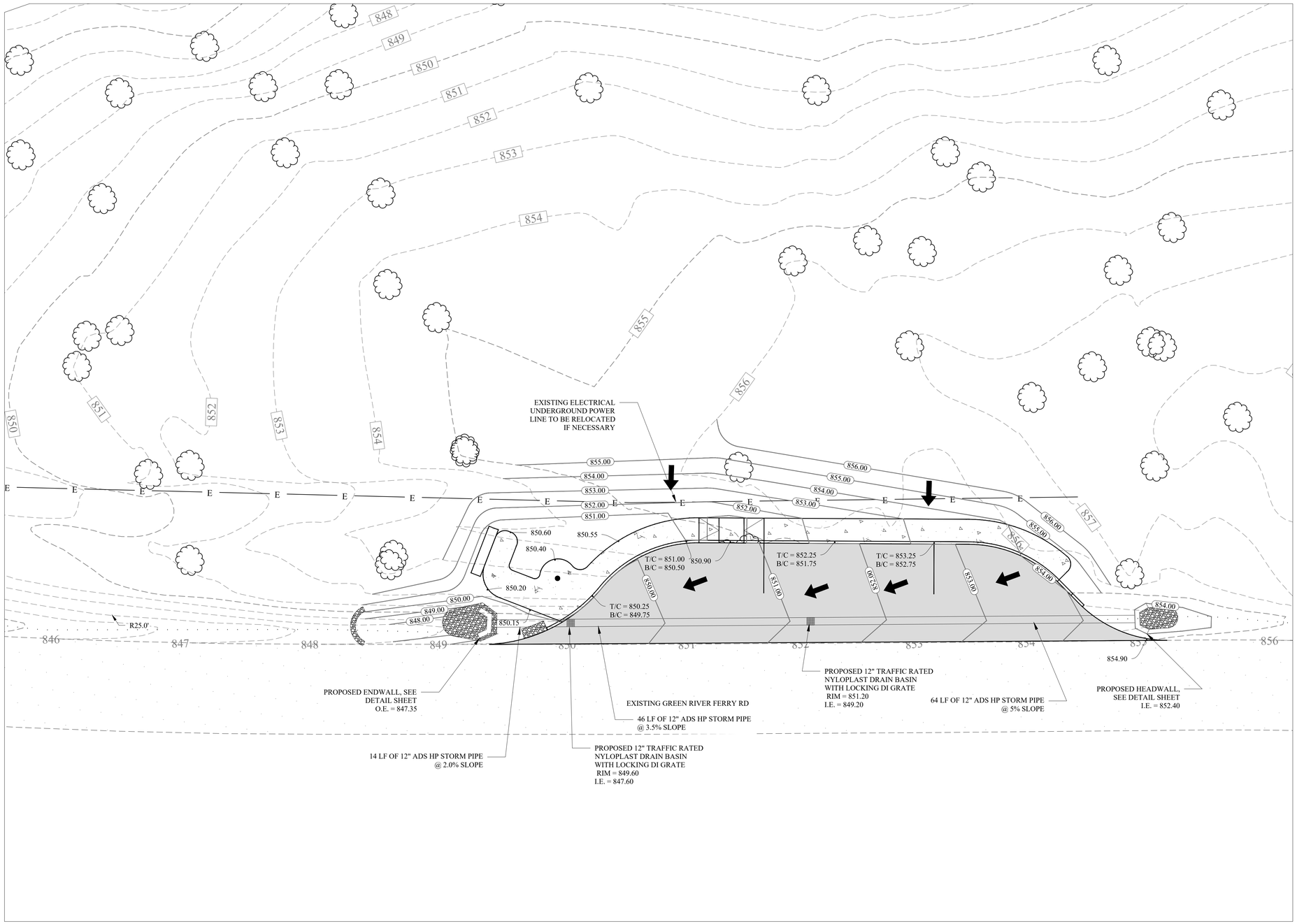
A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C007	GREEN RIVER FERRY SITE	C007
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 11 OF 15
	DATE: 3/14/2024			



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13. SPOT ELEVATIONS DESIGNATE FINISHED SURFACE ELEVATION.
14. ANY MATERIAL RESULTED FROM A NET CUT OF THE SITE IS TO BE REMOVED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
15. TOPSOIL SHALL BE STRIPPED, STOCKPILED, AND REDRESSED FOR THE ENTIRETY OF THE DISTURBED AREA SHOWN.
16. ALL ROCK ENCOUNTERED SHALL BE UNDERCUT MINIMUM 12" BELOW SUBGRADE OR AS SPECIFIED IN THE GEOTECHNICAL REPORT U.N.O. ALL EXCAVATION IS UNCLASSIFIED.
17. ALL GRADING SHALL RESULT IN WATER BEING DIRECTED AWAY FROM STRUCTURES, NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE.
18. CONTRACTOR MUST COMPLY WITH ALL ADA REQUIREMENTS AND SPECIFICATIONS INCLUDING MAX 2% CROSS SLOPE FOR ADA ROUTES AND MAX 2% SLOPE ON LANDING AND RAMPS. CONTRACTOR MUST VERIFY ADA COMPLIANT GRADES PRIOR TO PAVING AND NOTIFY ENGINEER IF ANY DISCREPANCIES ARISE.
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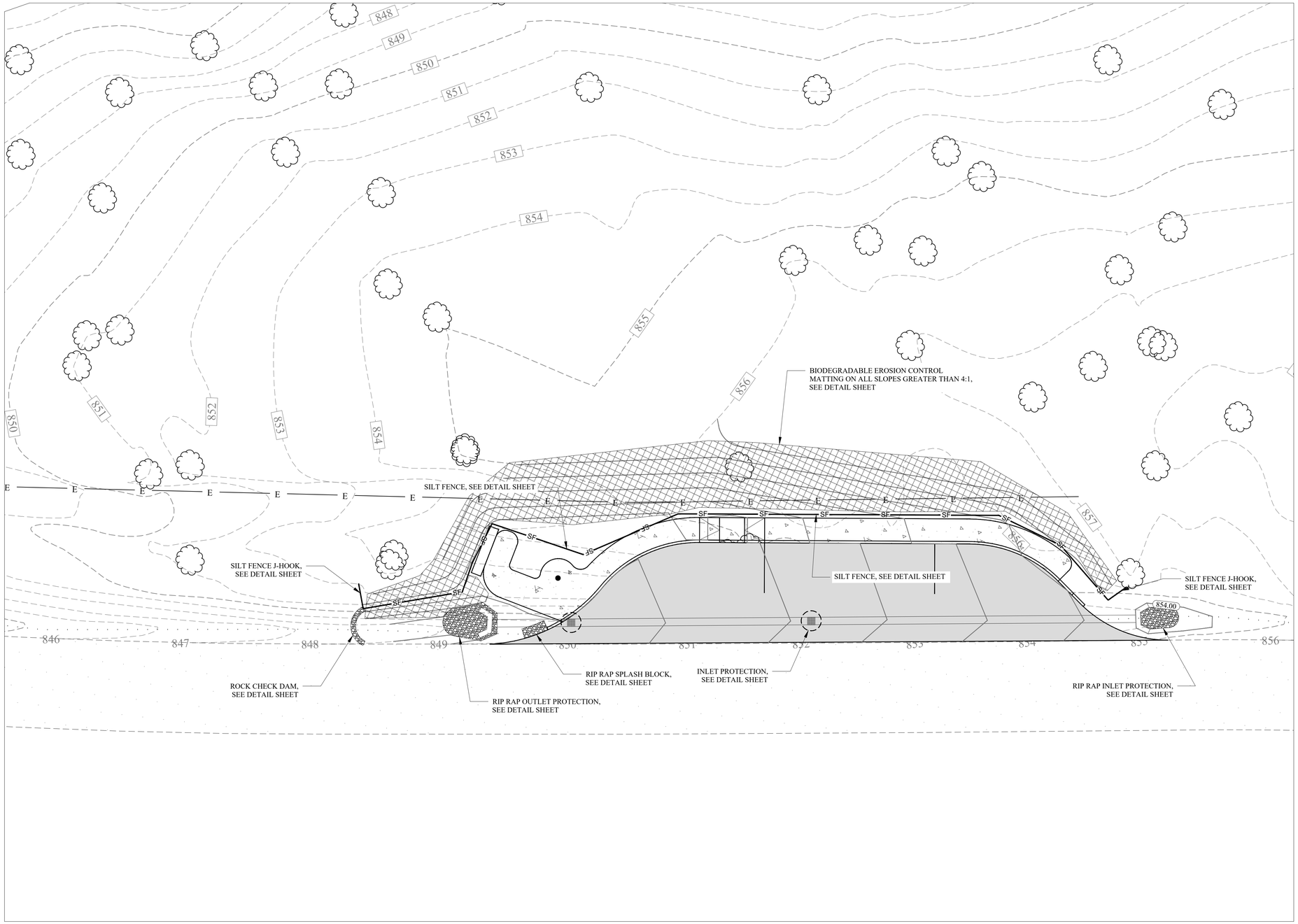
A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C008	GREEN RIVER FERRY GRADING	C008
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 12 OF 15
	DATE: 3/14/2024			



NOTES:

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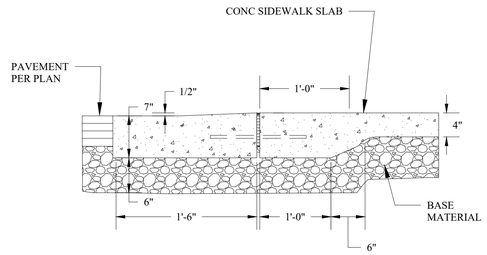
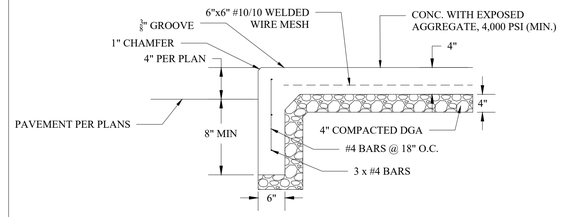
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C009	GREEN RIVER FERRY EPSC	C009
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 13 OF 15
	DATE: 3/14/2024			



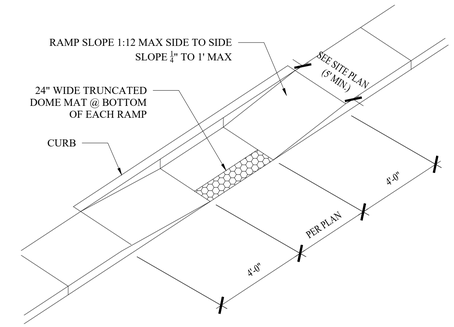
NOTES:
1. CONCRETE TO BE 4,000 PSI (MIN.) WITH MEDIUM BROOM FINISH.
2. CONCRETE JOINTS SHALL BE SPACED 10' MAX. UNLESS OTHERWISE SHOWN ON PLAN. JOINT DEPTH SHALL BE $\frac{1}{4}$ THICKNESS OF PAVEMENT.
3. EXPANSION JOINTS ALONG VERTICAL FACES WHERE APPLICABLE.
4. TOOLED CURB JOINTS SHALL ALIGN WITH JOINTS IN SIDEWALK AT EVERY THIRD JOINT.

FLUSH CURB AND WALK
N.T.S.



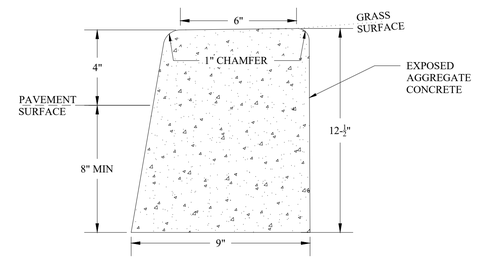
NOTES:
1. CONCRETE TO BE 4,000 PSI (MIN.) WITH EXPOSED AGGREGATE FINISH.
2. CONCRETE JOINTS SHALL BE SPACED 10' MAX. UNLESS OTHERWISE SHOWN ON PLAN. JOINT DEPTH SHALL BE $\frac{1}{4}$ THICKNESS OF PAVEMENT.
3. EXPANSION JOINTS ALONG VERTICAL FACES WHERE APPLICABLE.
4. TOOLED CURB JOINTS SHALL ALIGN WITH JOINTS IN SIDEWALK AT EVERY THIRD JOINT.

INTEGRAL CURB AND WALK
N.T.S.



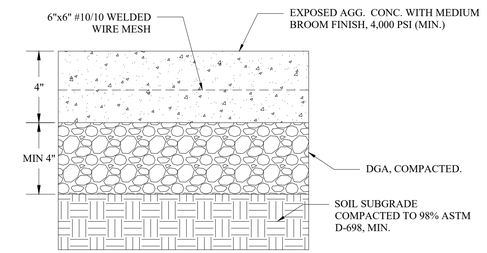
NOTES:
1. RAMP SLOPE TO BE MAX 1:12.
2. TRUNCATED DOME MAT TO BE WET SET MAT OR GROOVING IF APPROVED BY OWNER.

ACCESSIBLE CURB RAMP
N.T.S.



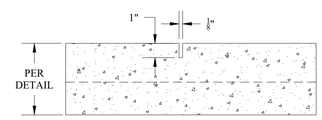
NOTES:
1. EXPANSION JOINTS TO BE SPACED EVERY 50 FEET AN/OR AT TANGENT POINTS, RAMPS, AND INLETS.
2. CONTRACTION JOINTS ARE TO BE CUT INTO CURB EVERY 10 FEET TO $\frac{1}{4}$ THE THICKNESS OF THE SECTION.

POST CURB
N.T.S.



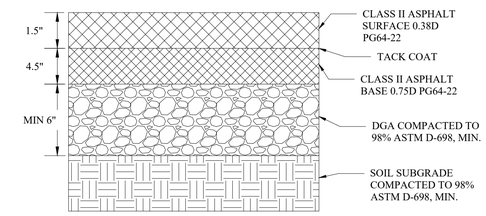
NOTES:
1. CONCRETE TO BE 4,000 PSI (MIN.) WITH MEDIUM BROOM FINISH.
2. CONTROL JOINTS SHALL BE SPACED 5' MAX. UNLESS OTHERWISE SHOWN ON PLAN. JOINT DEPTH SHALL BE $\frac{1}{4}$ THICKNESS OF PAVEMENT.
3. EXPANSION JOINTS WHERE APPLICABLE, MAX 100' SEPARATION. JOINTS SHALL BE $\frac{1}{2}$" PREMOLDED.
4. CONCRETE SHALL HAVE EXPOSED AGGREGATE FINISH MATCHING PARK STANDARD.

CONCRETE SIDEWALK
N.T.S.



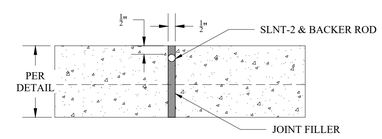
NOTES:
1. TOOL JOINTS WITH HAND GROOVE FINISHING TOOL TO 2" DEPTH OR SAW THE SLAP WITH DESIGNATED RADIUSED BLADE TO DEPTH OF 1".
2. RADIUSED SAW JOINT INFORMATION: SOFF-CUT INTERNATIONAL, INC. PRO-EDGE BEVELED BLADES NO XL-R250.
3. CONCRETE TO BE 4,000 PSI (MIN.) WITH MEDIUM BROOM FINISH.
4. CONTROL JOINTS SHALL BE SPACED 5' MAX. UNLESS OTHERWISE SHOWN ON PLAN. JOINT DEPTH SHALL BE $\frac{1}{4}$ THICKNESS OF PAVEMENT.
5. EXPANSION JOINTS WHERE APPLICABLE, MAX 100' SEPARATION. JOINTS SHALL BE $\frac{1}{2}$" PREMOLDED.

CONTRACTION JOINT
N.T.S.



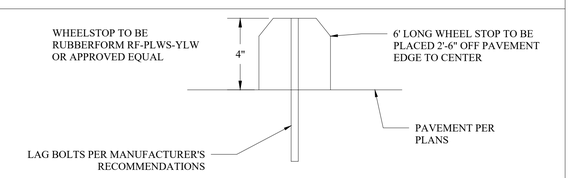
NOTES:
1. BASE DGA MUST EXTEND 6" (MIN) BEYOND THE HORIZONTAL LIMITS OF THE SUCCESSIVE EDGE OF PAVING.

ASPHALT PAVEMENT
N.T.S.



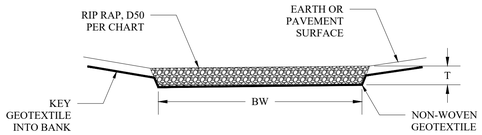
NOTES:
1. CONCRETE TO BE 4,000 PSI (MIN.) WITH MEDIUM BROOM FINISH.
2. CONTROL JOINTS SHALL BE SPACED 5' MAX. UNLESS OTHERWISE SHOWN ON PLAN. JOINT DEPTH SHALL BE $\frac{1}{4}$ THICKNESS OF PAVEMENT.
3. EXPANSION JOINTS WHERE APPLICABLE, MAX 100' SEPARATION. JOINTS SHALL BE $\frac{1}{2}$" PREMOLDED.

EXPANSION JOINT
N.T.S.



WHEEL STOP
N.T.S.

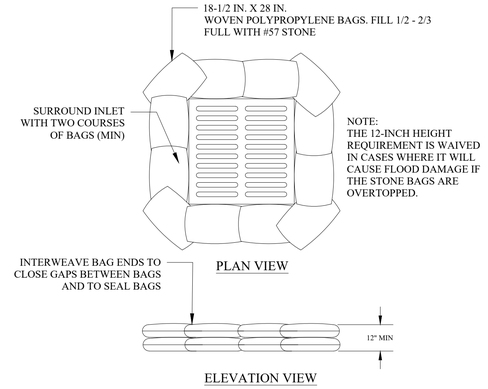
A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C010	CIVIL DETAILS	C010
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 14 OF 15
	DATE: 3/14/2024			



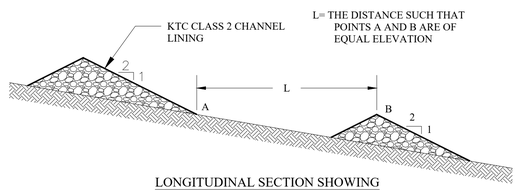
RIP RAP SPLASH BLOCK					
NAME	BW	D50	T	D	MIN. SLOPE
SPLASH BLOCK	PER PLAN	4 IN	12 IN	N/A	0.5%

NOTES:
1. RIP RAP LINING AND NON-WOVEN GEOTEXTILE ENVELOPE SHALL BE EXTENDED MINIMUM HALFWAY UP CHANNEL SIDES OR BEYOND SPLASH BLOCK, GEOTEXTILE SHALL BE KEYED INTO CHANNEL BANKS MIN. 2T INCHES.

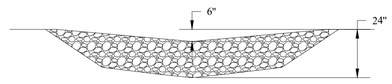
RIP RAP SPLASH BLOCK
N.T.S.



INLET PROTECTION
N.T.S.

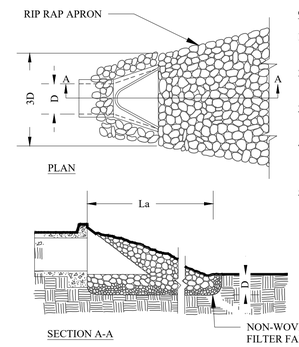


LONGITUDINAL SECTION SHOWING
SPACING BETWEEN CHECK DAMS



SECTION ACROSS CHANNEL

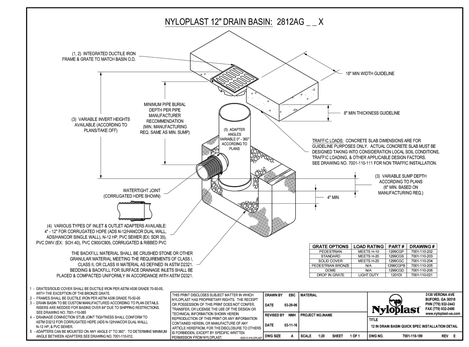
ROCK CHECK DAM
N.T.S.



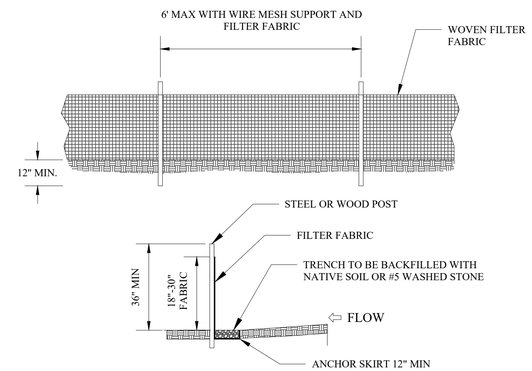
GENERAL NOTES:

1. La IS THE LENGTH OF THE RIP RAP APRON = 5D.
2. MIN STONE DIAMETER = D/2 (IN INCHES) BUT NOT LESS THAN 4".
3. D = NOMINAL INTERIOR DIAMETER OF PIPE.
4. EXTEND THE APRON UP THE CHANNEL BANKS TO THE TOP OF BANK.
5. NON-WOVEN GEOTEXTILE FILTER FABRIC SHALL BE INSTALLED BETWEEN THE RIP RAP AND THE SOIL FOUNDATION.

RIP RAP OUTLET PROTECTION
N.T.S.



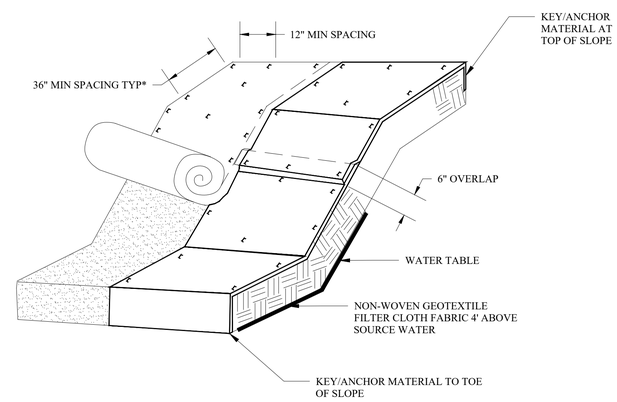
NYLOPLAST DRAINAGE BASIN
N.T.S.



GENERAL NOTES:

1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER. WHEN JOINTS CANNOT BE AVOIDED, FILTER FABRIC SHALL BE SPLICED TOGETHER ONLY AT A POST WITH 3 FOOT MIN. OVERLAP, AND SECURELY SEALED.
2. POSTS SHALL BE SPACED AT 6 FOOT INTERVALS IN AREAS OF RAPID RUNOFF.
3. POSTS SHALL BE AT LEAST 5 FEET IN LENGTH.
4. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE AND FABRIC.
5. WOOD POSTS SHALL BE 2 INCHES BY 2 INCHES OR EQUIVALENT. STEEL POSTS SHALL BE 1.33 LBS PER LINEAR FOOT.
6. A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH IN LENGTH, WIRE TIES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXCEED MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. WASHED STONE SHALL BE USED TO BURY KIRT WHEN SILT FENCE IS USED ADJACENT TO A CHANNEL, CREEK, OR POND.
8. TURN SILT FENCE UP SLOPE AT ENDS.

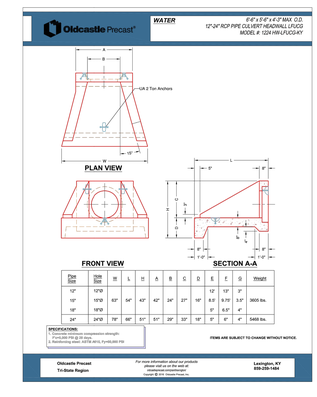
TEMPORARY SILT FENCE
N.T.S.



GENERAL NOTES:

1. MUST BE BIODEGRADABLE AND CONTAIN NO PLASTIC.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
3. * DIMENSIONS SHOWN ARE MINIMUM, MANUFACTURED PRODUCTS MAY HAVE ADDITIONAL REQUIREMENTS THAT MUST BE MET.
4. SLOPE SURFACE SHALL BE FREE OF ROCKS, SOIL CLODS, STICKS, GRASS. MAT/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
5. THE DETAIL SHOWN IS FOR SLOPE MATTING. NOT FOR CHANNEL OR PIPE OUTFALL MATTING SPECIFICATIONS.

BIODEGRAEBLE EROSION CONTROL MATTING
N.T.S.



HEADWALL/ENDWALL
N.T.S.

A/E FIRM:	DESIGNED:	SUB SHEET NO:	TITLE OF SHEET:	DRAWING NO.
PRIME: WALKER ARCHITECTS, GAINESVILLE, FL	DKB	C011	CIVIL DETAILS	C011
SUB: HMB FRANKFORT, KY	CADD: DKB		NPS - MAMMOTH CAVE PARKING AND ENTRY SIGN RENOVATIONS	PMIS/PKG NO.
	TECH REVIEW: BGB		MACA 323725,325833; MACA 323722,325832; MACA 323654,325833	SHEET 15 OF 15
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