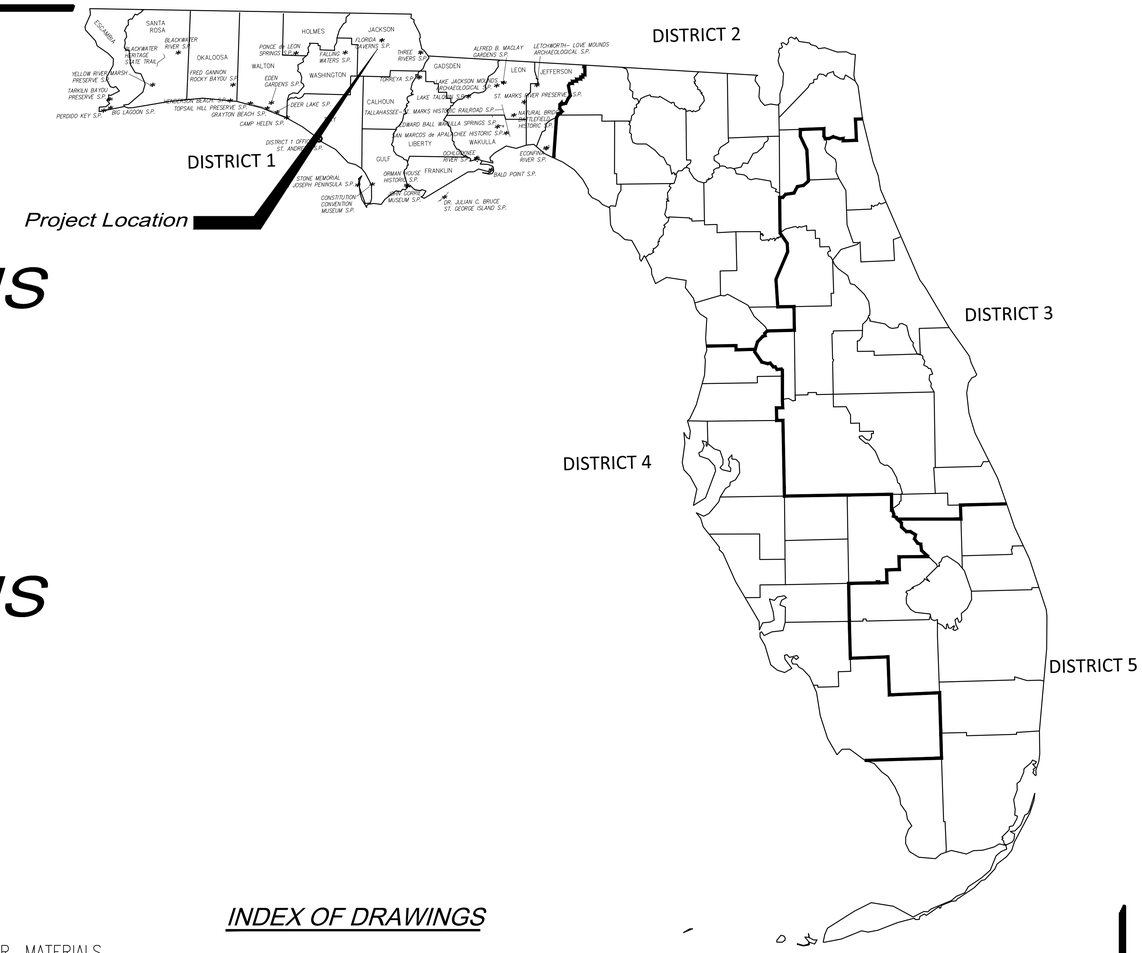
ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
ALUM.	ALUMINUM
ALT.	ALTERNATE
APPROX.	APPROXIMATE
BD.	BOARD
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BLT.	BUILT
BRK.	BRICK
BRKR.	BREAKER
BSMT.	BASEMENT
C.J.	CONTROL JOINT
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
CONC.	CONCRETE
CU	COPPER
CU. FT.	CUBIC FOOT
CU. IN.	CUBIC INCH
CU. YD.	CUBIC YARD
DIA./ø.	DIAMETER
DBL.	DOUBLE
DBT.	DRY-BULB TEMPERATURE
DEG.	DEGREE
DEPT.	DEPARTMENT
DF.	DRINKING FOUNTAIN
DISC.	DISCONNECT
DL.	DEAD LOAD
DN.	DOWN
D.S.	DOWN SPOUT
DWG.	DRAWING
E.F.	EXHAUST FAN
EXH.	EXHAUST
EXP. JT.	EXPANSION JOINT
EXT.	EXTERIOR
FIN.	FINISH
FL.	FLOOR
FLUOR.	FLUORESCENT
FP.	FIREPLACE
FR.	FIRE RATING
FT.	FOOT/FEET
FTG.	FOOTING
GALV.	GALVANIZED
GFI	GROUND FAULT CIRCUIT INTERRUPT
GOV'T.	GOVERNMENT
GR.FL.	GROUND FLOOR
GYP.	GYPSUM
H.C.	HOLLOW CORE
H.D.G.	HOT DIPPED GALVANIZED
HDR.	HEADER
HDWR.	HARDWARE
H.P.	HORSEPOWER
HT.	HEIGHT
HTR.	HEATER
HV.	HIGH VOLTAGE
HVAC.	HEATING, VENTILATING AND AIR CONDITIONING
HWY.	HIGHWAY
ID.	INSIDE DIAMETER
IN.	INCH
INCAND.	INCANDESCENT
INCL.	INCLUDED
INSUL.	INSULATION
INT.	INTERIOR
INV. EL.	INVERT ELEVATION
JST.	JOIST
KD.	KILN DRIED
KW.	KILOWATT
KWH	KILOWATT HOUR
LAM.	LAMINATED
LAV.	LAVATORY
LB.	POUND
LTG.	LIGHTING
LGTH.	LENGTH
LIN.	LINEAR
LL.	LIVE LOAD
MANUF.	MANUFACTURE
MAX.	MAXIMUM
MF.	MILL FINISH
MIN.	MINIMUM
MLDG.	MOLDING
MHW.	MEAN HIGH WATER
MHHW.	MEAN HIGHER HIGH WATER
MLW.	MEAN LOW WATER
MLLW.	MEAN LOWER LOW WATER
MSL.	MEAN SEA LEVEL
MOD.	MODIFICATION
NTS.	NOT TO SCALE
NO./#.	NUMBER
OA.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFC.	OFFICE
O/H.	OVER HEAD
OPP.	OPPOSITE
PARTN.	PARTITION
PC.	PORTLAND CEMENT
PCF.	POUNDS PER CUBIC FOOT
P.E.	PROFESSIONAL ENGINEER
PERF.	PERFORATE
PERP.	PERPENDICULAR
PL.	PLATE
PLG.	PLUNG
PLYWD.	PLYWOOD
PNL.	PANEL
PREFAB.	PREFABRICATED
PRELIM.	PRELIMINARY
PSF.	POUNDS PER SQUARE FOOT
PSI.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
QS.	QUARTER SAWN
R.	RADIUS
RCPT.	RECEPTACLE
REBAR.	REINFORCING BAR
REFRIG.	REFRIGERATION
REINF.	REINFORCING
RFG.	ROOFING
RGH	ROUGH
RM.	ROOM
R.O.	ROUGH OPENING
RS.	ROUGH SAWN
S.C.	SOLID CORE
SCH	SCHEDULE
SDG.	SIDING
SECT.	SECTION
SFTWD.	SOFTWOOD
SGD.	SLIDING GLASS DOOR
SH.	SHINGLES
SPEC.	SPECIFICATION
SPR.	SPRUCE
SQ.	SQUARE
SQ. FT.	SQUARE FOOT
SQ. IN.	SQUARE INCH
SQ. YD.	SQUARE YARD
SS.	STAINLESS STEEL
STL.	STEEL
SUB. FL.	SUBFLOOR
SUP.	SUPPLY
SW.	SWITCH
SYM.	SYMMETRICAL
S.Y.P.	SOUTHERN YELLOW PINE
SYS.	SYSTEM
S4S.	SURFACED FOUR SIDES
TEL.	TELEPHONE
T&G.	TONGUE-AND-GROOVE
TYP.	TYPICAL
U.E.	UNDERGROUND ELECTRIC
U.G.	UNDER GROUND
UL.	UNDERWRITERS LABORATORIES, INC.
V.	VOLT
VENT.	VENTILATOR
VERT.	VERTICAL
VIF	VERIFY IN FIELD
VOL.	VOLUME
VP	VENT PIPE
VTR.	VENT THRU ROOF
W.	WATER
WBT.	WET BULB TEMPERATURE
WC	WATER CLOSET
WD.	WOOD
WP.	WATERPROOF
WWF.	WELDED WIRE FABRIC
YD.	YARD

REFERENCE LEGEND

G8 / A502 — SECTION IDENTIFICATION / SHEET NUMBER

G8 / A502 — DETAIL IDENTIFICATION / SHEET NUMBER



FLORIDA CAVERNS STATE PARK

DISTRICT 1

JACKSON COUNTY

FLORIDA CAVERNS RV PARK

PROJECT # 61351C

APPLICABLE CODES AND DESIGN DATA

CODE LIST

FLORIDA BUILDING CODE, BUILDING (FBC-B)	2020 Edition
FLORIDA BUILDING CODE, FUEL GAS (FBC-FG)	2020 Edition
FLORIDA BUILDING CODE, MECHANICAL (FBC-M)	2020 Edition
FLORIDA BUILDING CODE, PLUMBING (FBC-P)	2020 Edition
FLORIDA BUILDING CODE, EXISTING BUILDING (FBC-EB)	2020 Edition
FLORIDA BUILDING CODE, RESIDENTIAL (FBC-R)	2020 Edition
FLORIDA FIRE PREVENTION CODE (FFPC)	2020 Edition
NATIONAL ELECTRICAL CODE NFPA-70	2020 Edition
FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONST.	Latest Edition
FDOT STANDARD PLANS FOR ROAD CONST.	Latest Edition
FLORIDA ACCESSIBILITY CODE	2020 Edition

SCOPE OF PROJECT

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION, AND PERMITTING TO SUCCESSFULLY CONSTRUCT TWO RV CAMPGROUNDS AND ONE TENT CAMPGROUND INCLUDING BUILDING BATHOUSES, ROADS AND UTILITIES PER THE CONSTRUCTION DOCUMENTS.

ROBERT D. GEORGE
DESIGNER

CN214-TA37
CONSULTANT CONTRACT No.

AUGUST 2024
INITIAL ISSUE DATE

INDEX OF DRAWINGS

SHEET NUMBER	SHEET TITLE
C 000	Cover Page
C 001	Index and General Notes
C 100	Existing Conditions and Demo Plan
C 101	Tree Demo Plan
C 102	Tree Demo Table
C 200	Erosion Control Plan
C 201	Erosion Control Details
C 300	Overall Site Plan
C 301-C 306	Enlarged Site Plan
C 400-C 406	Overall Grading and Drainage Plan
C 407	SWMF A Plan and Profile
C 408	SWMF B Plan and Profile
C 500	Overall Utility Plan
C 501-C 505	Enlarged Utility Plan
C 600	Details
C 601	Camp Site Details

Florida Caverns State Park
RV Park

Division of Recreation and Parks Bureau of Design and Construction

Florida Department of Environmental Protection

TYPICAL ABBREVIATIONS

A	Area or Amperes
AAA	American Automobile Association
ABC	Asphalt Base Course
Abd.	Abandoned
ABS	Acrylonitrile-Butadiene-Styrene Pipe
AC, Ac.	Acre
Asph. Conc.	Asphaltic Concrete
Accel.	Acceleration
Act.	Actuated
ADA	The Americans With Disabilities Act
Adh.	Adhesive
Adj.	Adjust
ADT	Average Daily Traffic
AADT	Annual Average Daily Traffic
Agg.	Aggregate
AISC	American Institute Of Steel Construction
Alt.	Alternate
Al.	Aluminum
ANSI	American National Standards Institute
AOS	Apparent Opening Size
Appl.	Applied, Application
Approx.	Approximate
Artf.	Artificial
Asph.	Asphalt
Assem.	Assembly
Assn.	Association
Assoc.	Associate, Association
ASTM	American Society For Testing Materials
ATPB	Asphalt Treated Permeable Base
Attn.	Attention
Attnuatr.	Attenuator
Aux.	Auxiliary
Ave.	Avenue
AWG	American Wire Gauge
AWS	American Welding Society
Az.	Azimuth
B to B	Back to Back
Bd. or Bnd.	Bound or Bonded
BE	Buried Electric
Beg.	Begin
Bit.	Bituminous
Blk.	Back
BL, BLC	Base Line, Base Line Control
Bldg.	Building
Blkhd.	Bulkhead
Blvd.	Boulevard
BM	Bench Mark
Bndry.	Boundary
Bdr.	Border
Bot.	Bottom
BO	Basin Outlet
BOS	Beginning Of Survey
Br.	Bridge
Brg.	Bearing
Brkwy.	Breakaway
BT	Buried Telephone Cable or Duct
BW	Barbed Wire, Bottom Width or Both Ways
C/G	Curb And Gutter
CA	Coarse Aggregate
Cap.	Capacity
CAP	Corrugated Aluminum Pipe
Caps.	Capital Letters
CASP	Corrugated Aluminized Steel Pipe
CATV	Cable Television
CB	Catch Basin
CBC	Concrete Box Culvert
CBS	Concrete Box Structure
CC, C/C,	Center to Center, Crash Cushion
CCEW	Center to Center Each Way
CD	Cross Drain, Cross Direction (Geotextiles)
Cem.	Cemetery
CFS	Cubic Feet Per Second
CI	Cast Iron
CIP	Cast Iron Pipe
CIPL	Cast In Place
cir. or circ.	Circle or Circular
circ.	Circumference
Cl. or Clear	Clearance
CL	Center Line
CM	Concrete Monument
CMB	Concrete Median Barrier
CMP	Corrugated Metal Pipe
CMPA	Corrugated Metal Pipe Arch
CO	Clean Out
Col.	Column
Conc.	Concrete
Const.	Construct or Construction
Cont.	Continuation
Contr.	Contractor
Coord.	Coordinate
Corr.	Corrugated
CP	Concrete Pipe
CPE	Corrugated Polyethylene Pipe
Crs. or Cse.	Course
CS	Curve To Spiral
CSP	Corrugated Steel Pipe
CT	Clear Trunk
CTPB	Cement Treated Permeable Base
Ctr.	Center
Culv.	Culvert
CY	Cubic Yard
D	Degree Of Curvature, Depth, Density, Distance, Diameter or Directional Distribution
DA	Deflection Angle
DBH	Diameter At Breast Height
Dbl.	Double
DCS	Degree Of Curvature (Spiral)
DD	Dry Density / Design Document
Deg.	Degree
Dept.	Department
Det.	Detour, Detection, Detectable
DGN or Dgn.	Design
DHV	Design Hourly Volume
DHW	Design High Water
Dia. or D	Diameter
Dim.	Dimension
Dist.	Distance
Disp.	Disposal
DOT	Department Of Transportation
DR	Design Review
Drlv.	Driven
Drwy.	Driveway
DS	Design Speed
DSL	Design Service Life
Dwg.	Drawing
E	East or External Distance
e	Rate Of Superelevation
E to E	End to End
EA or Ea.	Each
EB	Eastbound
El. or Elev.	Elevation
Elec.	Electric
Ellip.	Elliptical
Engr.	Engineer
EOS	End Of Survey or Equivalent Opening Size
EOP	Edge Of Pavement
Eq.	Equation or Equal
Equip.	Equipment
Esmt.	Easement
Exist.	Existing
Exp.	Expansion
F or Final	Final Quantity
F & I	Furnish & Install
F to F	Face to Face
FA	Federal Aid or Fine Aggregate
FAC	Florida Administrative Code
FAP	Federal Aid Project
FC	Friction Course
FD	French Drain
Fdn.	Foundation
FFE	Finish Floor Elevation
Fed.	Federal
Fert.	Fertilizer
FES	Flared End Section
FETS	Flared End Terminal Section
FH	Fire Hydrant
FHWA	Federal Highway Administration
Fig.	Figure
Fin.	Finish
FIR	Found Iron Rod
FIP	Found Iron Pipe
Flex.	Flexible
FNC	Found Nail & Cap
FNL	Found Nail
FOC	Fiber Optics Cable
FPM or fpm	Feet Per Minute
FRP	Fiber Reinforced Pipe
FPS or fps	Feet Per Second
FR or Fr.	Frame
Frang.	Frangible
Freq.	Frequency
FS, F.S.	For Side, Florida Statutes
Ft.	Foot or Feet
FTB	Floating Turbidity Barrier
Fut.	Future
Galv.	Galvanized
Ga.	Gauge or Gage
Ga. / Gal.	Gallon
GD	Gutter Drain
GIP	Galvanized Iron Pipe
GM	Gas Main
GP	Grade Point
Gr.	Grade, Guardrail or Grate
Gr. or Gra.	Gravel
GRC	Galvanized Rigid Steel Conduit
Grd.	Ground
grass km	Grass Kilometer
Gr. Wt.	Gross Weight
Gtr.	Gutter
Gy	Gray
HAR	Highway Advisory Radio
HB	Hay Bales
HC	Horizontal Clearance
HD	High Density or Heavy Duty
HD or Hd.	Head
Hdwl.	Headwall
Hndrl	Handrail
Horiz.	Horizontal
HP	High Pressure or Horsepower
Hr.	Hour
HS	High Strength
HSHV	High Strength Horizontal Vertical
Ht.	Height
HW or H.W.	High Water or Hot Water
Hwy.	Highway
Hyd.	Hydrant or Hydraulic
ID	Inside Diameter or Identification
IMC	Intermediate Metal Conduit
Inc.	Incorporated or Including
Incl. or Inc.	Included
Ind.	Industry or Industrial
INV. or Inv.	Invert
IP	Iron Pipe
Install.	Installed
Isect.	Intersection
Isl.	Island
IR	Iron Rod
ITE	Institute Of Transportation Engineers
J	Joule
JB	Junction Box
Jct.	Junction
Jt.	Joint
K	Design Hour Factor or Kelvin
kg/m	Kilogram Per Meter
kg/m2	Kilogram Per Square Meter
kg/m3	Kilogram Per Cubic Meter
Kilo	One Thousand
Kip	1000 Pounds
kn	Knot
L	Length, Length Of Curve, Liter, Left
Lat.	Lateral or Latitude
Lb.	Pound
lb/sy	Pounds Per Square Yard
LBR	Limerock Bearing Ratio
LC	Long Chord
Lin.	Linear
lm	Lumen
Lmrk.	Limerock
LOS	Limit Of Clear Sight
Loc., LO	Location
Long.	Longitude
LS	Length Of Spiral
LT	Left Turn
Lt.	Left
Ltd.	Lighted or Limited
Lum.	Luminaire
L/W	Lightweight
Maint.	Maintenance
Matl.	Material
Max.	Maximum
Med.	Median
MES	Mitered End Section
Mfg.	Manufactured or Manufacturer
MH, M.H.	Manhole, Mounting Height
MHW	Mean High Water
Mi.	Mile
Mid.	Middle
Min.	Minimum or Minute
Misc.	Miscellaneous
MLW	Mean Low Water
Mobl.	Mobilization
Mod.	Modify or Modified
Mon.	Monument
MOT	Maintenance Of Traffic
MSL	Mean Sea Level
Mtd.	Mounted
MUTCD	Manual On Uniform Traffic Control Device
MUTS	Manual On Uniform Traffic Studies
N	North or Newton
NA or N/A	Not Available or Not Applicable
NAVD	National American Vertical Datum
NC	National Coarse or Normal Crown
NEMA	National Electrical Manufacturers Association
NGVD	National Geodetic Vertical Datum of 1929
NGS	National Geodetic Survey
NHS	National Highway System
NHW	Normal High Water
NIC	Not In Contract
NTS	Not To Scale
NW	Northwest
Opass	Overpass
O to O,	Out to Out
OA	Overall
O.B.G.	Optional Base Group
OC or O.C.	On Center
OD or O.D.	Outside Diameter
OE	Overhead Electric
OH,	Overhead
Opt.	Option, Optional or Optically
OT	Overhead Telephone
Oz.	Ounce
P	Passenger Car & Light Delivery Truck
Part.	Participation or Partition
Pavt.	Pavement
PC	Point Of Curvature
PE	Professional Engineer
Ped	Pedestrian or Pedestal
Pen.	Penetration
PG	Profile Grade
PGL	Profile Grade Line
pH	Measure Of Acidity or Alkalinity
PI	Point Of Intersection
PJM	Preformed Joint Material
PL or P L	Property Line or Plate
POB	Point of Beginning
POC	Point Of Commencement
POST	Point On Semi-Tangent
POT	Point On Tangent
PRC	Point Of Reverse Curvature
Prest.	Prestressed
Prob.	Probability
Prod.	Product, Production, Producer or Produced
Prog.	Program or Progression
Proj.	Project or Projection
PS & E	Plans, Specifications And Estimates
PT	Point Of Tangency or Pressure Treated
PVC	Polyvinyl Chloride
PRC	Point Of Reverse Curvature
Prcst.	Precast
Prest.	Prestressed
Proj.	Project or Projection
Q	Peak Discharge or Flow Volume
QPL	Qualified Products List
R	Right
R or Rad.	Radius
R or Rng.	Range
RC	Reverse Crown
RCP	Reinforced Concrete Pipe
RCPA	Reinforced Concrete Pipe Arch
Rd.	Road or Round
Rdsd.	Roadside
Rdwy.	Roadway
Rect.	Reticuline or Rectangular
Ref.	Reference
Reg.	Region, Regular, Registered or Regulation
Reinf.	Reinforced or Reinforcing
Reloc.	Relocated
Req.	Required
RPM	Raised Reflective Pavement Markers
r/s	Revolution Per Second
RR	Railroad
Rght	Right
R/W, ROW	Right Of Way
S or s	Speed, South, Selmens, Or Second
SAN or San.	Sanitary
Sch.	Schedule
SCST	Sand-Clay Surface Treatment
SD	Side Drain, Storm Drain
SE	Southeast
Seq.	Sequential
Serv.	Service
SF	Silt Fence
Sht.	Sheet
Shldr.	Shoulder
SHW	Seasonal High Water
Spec.	Specification
Sq. Ft./S.F.	Square Foot
Sq. In.	Square Inch
Sq. Yd./S.Y.	Square Yard
SR or S.R.	State Road
SRD	State Road Department
SS	Sanitary Sewer
St. or ST.	Street
Sta.	Station
Std.	Standard
Stl.	Steel
Sub. or Subst.	Substitute
Subgr.	Subgrade
SUR or Sur.	Survey
Surf.	Surface
T	Tangent, Length Of Curve,
TBM	Temporary Bench Mark
TC	Tangent To Curve
TCB	Temporary Concrete Barrier
TCE	Temporary Construction Easement
TCP	Terra Cotta Pipe
TCZ	Traffic Control Zone
TDLC	Transportation Design For Livable Communities
Tel.	Telephone
Temp.	Temperature or Temporary
Thick.	Thickness
Tn.	Ton
Trans.	Transition, Transverse,
TS	Tangent To Spiral
TSC	Length Of Tangent (Spiral Curve)
TTC	Temporary Traffic Control
Typ.	Typical
Upass.	Underpass
UG	Underground
UL	Underwriters Laboratories
Ultd.	Unlimited
Undér.	Underdrains
Undrdwy.	Underroadway
USC & GS	US Coast and Geodetic Survey
USGS	US Geological Survey
USPS	United States Postal Service
Util.	Utilities
V	Volt, Velocity, Volume or Hourly Volume
Var.	Varies, Variable or Variance
VC	Vertical Curve
VCP	Vitrified Clay Pipe
Vert.	Vertical
Vh	Verified Horizontal Location
Vol.	Volume
VP	Vertical Panel
VPD or Vpd.	Vehicles Per Day
VPH or Vph.	Vehicles Per Hour
VPHPL or Vphpl.	Vehicles Per Hour Per Lane
VRMS	Volts Root Mean Square
Vv	Verified Vertical Elevation
VW	Variable Width
W	Width, Wide, West or Watt
WB	Westbound
Wb.	Weber
WB40	Intermediate Semi Trailer
WB50	Large Semi Trailer
WB60	Tandem Semi Trailer
WM	Water Main
WT	Water Table Or Weight
WWF	Welded Wire Fabric
X	Coordinate Value (East-West Direction) or Extra
X Rd.	Cross Road
Xing.	Crossing
Xsec.	Cross Section
Y	Coordinate Value (North-South Direction)

GENERAL NOTES

CIVIL GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL RELEVANT SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH O.S.H.A. REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT (SEE NOTE 12) MUST BE INCLUDED IN THE CONTRACTOR'S PRICE FOR PERFORMING THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUBSURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT. THE CONTRACTOR IS URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THIS PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO CONSTRUCTION OF THE PROJECT.
3. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE OWNER FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER'S PROJECT MANAGER PRIOR TO PROCEEDING WITH CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT.
6. ALL DEBRIS RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR ON A WEEKLY BASIS. THE CONTRACTOR SHALL ONLY DISPOSE OR REUSE EXCESS EXCAVATED MATERIALS IN UPLANDS AREAS, IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS, AND ONLY AFTER OBTAINING ALL REQUIRED PROPERTY OWNER PERMISSIONS. THE CONTRACTOR SHALL FOLLOW ALL REQUIRED WASTE MANAGEMENT PRACTICES, INCLUDING PROPER DISPOSAL OF CONSTRUCTION AND DEMOLITION DEBRIS AND OTHER WASTE MATERIALS IN APPROPRIATE AND PROPERLY PERMITTED WASTE DISPOSAL FACILITIES.
7. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES, AND IMPROVEMENTS SHOWN ON THE DRAWINGS IS BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN FIELD VERIFIED. THE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION. IF THE LOCATIONS SHOWN ARE CONTRARY TO THE ACTUAL FIELD LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S PROJECT MANAGER AND ENGINEER OF THE DISCREPANCY. THE DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITIES AND IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR AND SHALL REPAIR OR PAY FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS, AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH HE SHALL CONNECT.
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS IF REQUIRED ON ALL MATERIALS, FOR REVIEW AND APPROVAL, PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY PIPE OR STRUCTURE.
9. UNSUITABLE MATERIALS BENEATH WATER AND SEWER PIPE AND/OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECT FILL PROPERLY COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.
10. ALL WATER & SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489 FLORIDA STATUTES.
11. CONTRACTOR SHALL PROVIDE SEDIMENT AND EROSION CONTROL DURING THE ENTIRE DURATION OF THE PROJECT. ALL JURISDICTIONAL WETLANDS SHALL BE PROTECTED FROM SEDIMENTATION AND EROSION AS WELL AS ENCROACHMENT OF ANY KIND. ANY WETLAND JURISDICTIONAL LINES ARE SHOWN ON THE PLANS FOR REFERENCE. CONTRACTOR SHALL MEET THE REQUIREMENTS SET FORTH BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE U.S. ARMY CORPS OF ENGINEERS AS RELATED TO JURISDICTIONAL WETLANDS.
12. CONTRACTOR SHALL COMPLY WITH THE CURRENT FLORIDA TRENCH SAFETY ACT (90 96, LAWS OF FLORIDA) AND THE OSHA EXCAVATION SAFETY STANDARDS 29, CFR PART 1926.650 SUBPART P. WHERE TRENCH EXCAVATION EXCEEDS 5 FT IN DEPTH, SEE LAWS OF FLORIDA, CHAPTER 90-96.
    A) THE CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE OF COMPLIANCE WITH THIS LAW.
    B) A SEPARATE COST ITEM IDENTIFYING THE COST OF COMPLIANCE.
    C) A TRENCH SAFETY SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR.
13. CONTRACTOR WILL FOLLOW THE EROSION AND SEDIMENT CONTROL PRACTICES DESCRIBED IN THE EROSION CONTROL PLAN, GOVERNING LOCAL ORDINANCES, AND NPDES CONSTRUCTION PERMITTING REGULATIONS AS APPLICABLE. CONTRACTOR WILL PREPARE AND IMPLEMENT A PROJECT-SPECIFIC STORMWATER POLLUTION PREVENTION PLAN IF REQUIRED.

AS BUILT / RECORD DOCUMENTS:

1. THE CONTRACTOR SHALL MAINTAIN CURRENT RECORD DRAWINGS AS THE PROJECT PROGRESSES, SHOWING ALL DEVIATIONS FROM THE ORIGINAL CONSTRUCTION DRAWINGS AS "RED-LINE" MARK-UPS.
2. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL SIGNED CONTRACT ADDENDA AND CHANGE ORDERS, AND ANY OTHER DATA NECESSARY TO DOCUMENT CHANGES MADE TO THE APPROVED CONSTRUCTION DOCUMENTS DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL PREPARE AN "AS-BUILT" TOPOGRAPHIC SURVEY AT PROJECT COMPLETION. THE SURVEY SHALL BE SIGNED AND SEALED BY A FLORIDA LICENSED LAND SURVEYOR, AND SHALL DOCUMENT SITE CONDITIONS WITHIN THE PROJECT AREA, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL SITE IMPROVEMENTS, ELEVATION CONTOURS AND SPOT ELEVATIONS OF GRADED AND PAVED AREAS, AND ANY FINISHED FLOOR ELEVATIONS AND BUILDING CORNERS WITHIN THE PROJECT AREA, AS APPLICABLE.

DESIGN STANDARDS:

1. UNLESS OTHERWISE INDICATED OR MODIFIED ON THE PLANS OR IN THE SPECIFICATIONS, THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SHALL BE THE GOVERNING SPECIFICATIONS FOR CONSTRUCTION MATERIALS AND SITE WORK.
2. WHERE REFERENCE IS MADE TO A STANDARD INDEX OR DETAIL, THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION, SHALL BE USED AS IF A PART OF THIS PLAN.
3. FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTORS MANUAL LATEST EDITION.

CONSTRUCTION SEQUENCE:

1. COORDINATE WITH BDC FOR SCHEDULING A PRE-CONSTRUCTION MEETING.
2. PROVIDE PROOF OF A NOTICE OF INTENT (NOI) NPDES PERMIT WITHIN 48 HOURS OF BEGINNING CONSTRUCTION.
3. CONSTRUCT EROSION AND SEDIMENT CONTROL PRACTICES AS DESCRIBED IN THE APPROVED EROSION CONTROL PLAN.
4. ESTABLISH MAINTENANCE OF TRAFFIC PLAN WITH PARK MANAGER.
5. CONTRACTOR SHALL PROVIDE CONSTRUCTION SEQUENCE TO FDEP, PARK MANAGER, ENGINEER. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD AND FDEP 24-HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
6. DESIGNATE EMPLOYEE PARKING AREAS, MATERIALS STORAGE AREAS, AND TOPSOIL STORAGE AREAS.
5. CONTRACTOR TO ESTABLISH TREES FOR REMOVAL AND AREAS FOR CLEARING AND GRUBBING.
7. CONSTRUCT ALL IMPROVEMENTS AS INDICATED IN THE PLANS AND SPECIFICATIONS.
8. REMOVE ALL STOCKPILE FROM SITE, SEED AND MULCH ALL DISTURBED AREAS, AS INDICATED.
9. PRIOR TO FINAL CLOSE-OUT, THE CONTRACTOR SHALL FURNISH THE ENGINEER AND THE OWNER'S PROJECT MANAGER WITH SIGNED AND SEALED COPIES OF THE AS-BUILT SURVEY AND A COMPLETE SET OF RECORD DOCUMENTS.
10. FIELD INSPECTION AND CLEAN UP.

BDC GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND ACCEPTING THE EXISTING CONDITIONS OF THE SITE PRIOR TO BIDDING.
2. ALL DISTURBED AREAS WITHIN THE LIMITS OF RESTORATION NOT SPECIFICALLY CALLED OUT SHALL BE REVEGETATED AS SPECIFIED BY THE PARK SERVICE BIOLOGIST.
3. EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL ENSURE THAT THE UTILITY SYSTEMS DO NOT CONFLICT WITH THE PROPOSED PROJECT. CONFLICTS SHALL BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH THE WORK, CONSTRUCTION OF TEMPORARY UTILITIES IN THE EVENT THAT EXISTING UTILITY SERVICE MUST BE INTERRUPTED AND ANY OTHER CONSTRUCTION RELATED ACTIVITIES THAT MAY AFFECT EXISTING OR PROPOSED UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR WILL MAKE IS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL GRADE STAKES, LINES AND LEVELS.
6. THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS WITH BROWN TOP MILLET. USE OF NETTING OR NON-BIODEGRADABLE MATERIAL IS PROHIBITED.
7. NO SEPARATE PAYMENT WILL BE MADE FOR DE-WATERING. THE COSTS FOR DE-WATERING ARE INCLUDED IN THE UNIT PRICES FOR CONSTRUCTING THIS PROJECT.
8. ALL AREAS, STREETS, DRIVEWAYS, PARKING LOTS, ETC. DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL OR BETTER CONDITION.
9. THE CONTRACTOR WILL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND WILL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE OWNER AND THOSE PERMITS OBTAINED BY THE CONTRACTOR.
10. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT TO THE OWNER'S PROJECT MANAGER A SCHEDULE OF VALUES, A CONSTRUCTION SCHEDULE, AND A SAFETY PLAN.
11. THE CONSTRUCTION SCHEDULE WILL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE OWNER'S PROJECT MANAGER, AND WILL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION OR OTHER PAY ITEMS AS APPROPRIATE.
12. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN FOR APPROVAL BY THE OWNER'S PROJECT MANAGER AND WILL ADDRESS THE INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL DEVICES TO BE USED DURING EACH PHASE OF CONSTRUCTION, INCLUDING TREE REMOVAL, CLEARING AND GRUBBING, EXCAVATION, HAULING OF EXCAVATED MATERIALS, AND PLACEMENT OF EMBANKMENT AND BACKFILL. THE PLAN ALSO WILL DETAIL THE EROSION CONTROL MEASURES TO BE EMPLOYED AT ALL STOCKPILE AND CONSTRUCTION STAGING AREAS AND WILL DEFINE THE MAXIMUM LIMITS OF ALL ACTIVE CONSTRUCTION ZONES.
13. ANY NATIONAL GEODETIC SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE PROJECT MANAGER AND:

    FDEP, BUREAU OF SURVEY AND MAPPING, MS 105
    3900 COMMONWEALTH BLVD.
    TALLAHASSEE, FLORIDA 32399
    (850) 245-2606 (OFFICE)
    (850) 245-2645 (FAX)

14. PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR WILL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND WILL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. THE CONTRACTOR WILL NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
15. NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF VEGETATION ON AND ADJACENT TO THE PROJECT SITE, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED EXCEPT THOSE TREES IDENTIFIED ON THE PLANS TO BE REMOVED. ALL TREES OUTSIDE THE CONSTRUCTION WORK ZONE ARE TO BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE. TREE BARRICADES WILL BE INSTALLED AND MAINTAINED AROUND ALL TREES TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE PROJECT MANAGER.
17. THE CONTRACTOR IS RESPONSIBLE TO PLACE AND MAINTAIN ROADSIDE WARNING SIGNS WHEN WORK IS BEING CONDUCTED IN THE PROPERTY RIGHT OF WAY OR WHEN MACHINERY IS ENTERING AND LEAVING THE PROJECT SITE.
18. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF EXCAVATED MATERIAL OFF-SITE UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
19. ENSURE THAT ALL EQUIPMENT, PRIOR TO BRINGING ON-SITE, IS WASHED AND FREE OF SOIL, SEED, OR OTHER ORGANIC MATTER. EQUIPMENT MAY BE INSPECTED BY THE OWNER'S REPRESENTATIVE PRIOR TO OFF-LOADING FOR USE. ADDITIONAL CLEANING WILL BE PERFORMED BY THE CONTRACTOR IF THE OWNER'S REPRESENTATIVE DETERMINES IT IS NEEDED.

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED DAILY AND REPAIRS MADE AS NECESSARY TO ENSURE THE PROPER AND CONTINUED FUNCTION OF THE CONTROL(S).
3. ALL EROSION AND SEDIMENTATION CONTROL SHALL REMAIN IN PLACE UNTIL A PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED.
4. UNDER NO CIRCUMSTANCES SHALL SEDIMENTS BE PERMITTED TO EXIT THE PROJECT LIMITS, INCLUDING TRACKING BY VEHICLES ONTO PAVED ROADWAYS. THE CONTRACTOR SHALL MAKE IMMEDIATE REPAIRS OR ENHANCEMENTS TO ANY EROSION CONTROL SYSTEM THAT ALLOWS THE RELEASE OF SEDIMENTS.

SURVEY NOTES:

1.

PAY ITEM NOTES

1. EXCAVATING, BACKFILL, COMPACTION FOR NEW ELECTRICAL LINES INCLUDED IN THE COST OF ELECTRICAL LINES.
2. EXCAVATION, COMPACTION OF NEW CAMPSITES, ADA PARKING SITES INCLUDED IN THE COST CLEARING & GRUBBING.

ADA COMPLIANCE NOTES

THE CONTRACTOR & OWNER WILL BE HELD ACCOUNTABLE DURING CONSTRUCTION FOR ALL SITE IMPROVEMENTS. COMPLIANCE WITH FLORIDA STATUTES 553.5041 (F.S.), AND THE 2020 FLORIDA BUILDING CODE, ACCESSIBILITY, 7TH EDITION (FBC-A), IS MANDATORY. IF NON-COMPLIANT AT FINAL INSPECTION, CONTRACTOR WILL BE REQUIRED TO MODIFY CONSTRUCTION TO COMPLY WITH F.S. AND FBC-A. THE FOLLOWING ITEMS TAKE PRECEDENCE AND SUPERSEDE OTHER SITE DETAILS ON DRAWINGS:

1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE NO LESS THAN 44 " WIDE SO THAT USERS WILL NOT BE COMPELLED TO WALK OR WHEEL BEHIND PARK

TREE LEGEND

TREE CANOPY
TREE TO REMAIN

TREE CANOPY
TREE TO BE REMOVED

SEE SHEET C 302 FOR LIST OF TREES TO BE REMOVED AND LOCATION

SITE PLAN HATCH LEGEND

EXISTING CONCRETE SIDEWALK

LINETYPE LEGEND

EASEMENT
PROPERTY LINE
EXISTING CONTOUR LINES (80)
SHOULDER PAVING ROAD
EXISTING WATER MAIN WM
EXISTING UTILITY OVERHEAD OE
EXISTING UNKNOWN UTILITY UK
EXISTING FORCEMAIN FM
EXISTING GAS G
EXISTING TV BTV
EXISTING UNDERGROUND UTILITY BE

DEMO NOTES:

1. THIS SITE MAY CONTAIN EXISTING UTILITY LINES, UTILITY STRUCTURES AND MISCELLANEOUS UTILITY EQUIPMENT THAT MAY NOT HAVE BEEN SURVEYED AND IN CONFLICT WITH PROPOSED CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES WITHIN PROJECT AREA PRIOR TO CONSTRUCTION.
2. ALL UTILITIES MUST REMAIN IN OPERATION THROUGHOUT CONSTRUCTION ACTIVITIES FOR THIS PROJECT. FOR ANY REASON THERE IS AN ANTICIPATED DISRUPTION IN SERVICE, COORDINATE WITH OWNER AND UTILITY PROVIDER TWO WEEKS IN ADVANCE.
3. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER(S) AND CIVIL ENGINEER FOR ANY AND ALL UTILITIES THAT MAY BE IN CONFLICT WITH PROPOSED CONSTRUCTION ACTIVITIES.
4. WHERE EXISTING ITEMS SUCH AS ASPHALT, CONCRETE CURB AND GUTTER, ETC. ARE SHOWN TO BE REMOVED. THESE ITEMS SHALL BE SAWCUT.
5. CONTRACTOR TO VERIFY ALL DEPTHS AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL, RELOCATION AND DEMOLITION IN ORDER TO CONSTRUCT THE PROPOSED PROJECT IMPROVEMENTS WHETHER CALLED OUT FOR REMOVAL OR NOT.
7. CONTRACTOR RESPONSIBLE TO ADJUST ALL UTILITIES AND VALVES TO FINISH GRADE.
8. CONTRACTOR RESPONSIBLE TO DEFLECT ANY UTILITIES NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
9. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO EXISTING INFRASTRUCTURE, TREES, LANDSCAPE OR ANY OTHER MISC ITEMS THAT ARE TO REMAIN. CONTRACTOR SHALL RESTORE TO PRE-DEVELOPMENT CONDITION.
10. SEE ELECTRICAL AND MECHANICAL PLANS FOR ALL MEP ITEMS TO BE REMOVED, RELOCATED OR UPGRADED. ELECTRICAL AND MECHANICAL ITEMS SHOWN ON CIVIL PLANS ARE FOR REFERENCE PURPOSES ONLY.
11. CONTRACTOR TO CONFIRM WITH PROPERTY OWNER STORAGE LOCATION OF SALVAGED ITEMS.

JGULLORN, August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C2\101 Existing Conditions\C-101 Existing Conditions and Demo Plan.dwg

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
A			C		
B			D		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 613351C

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG
Consultant :

George & Associates Consulting Engineers, Inc.
CIVIL ENGINEERING • LAND SURVEYING • ENVIRONMENTAL • LAND USE
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Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

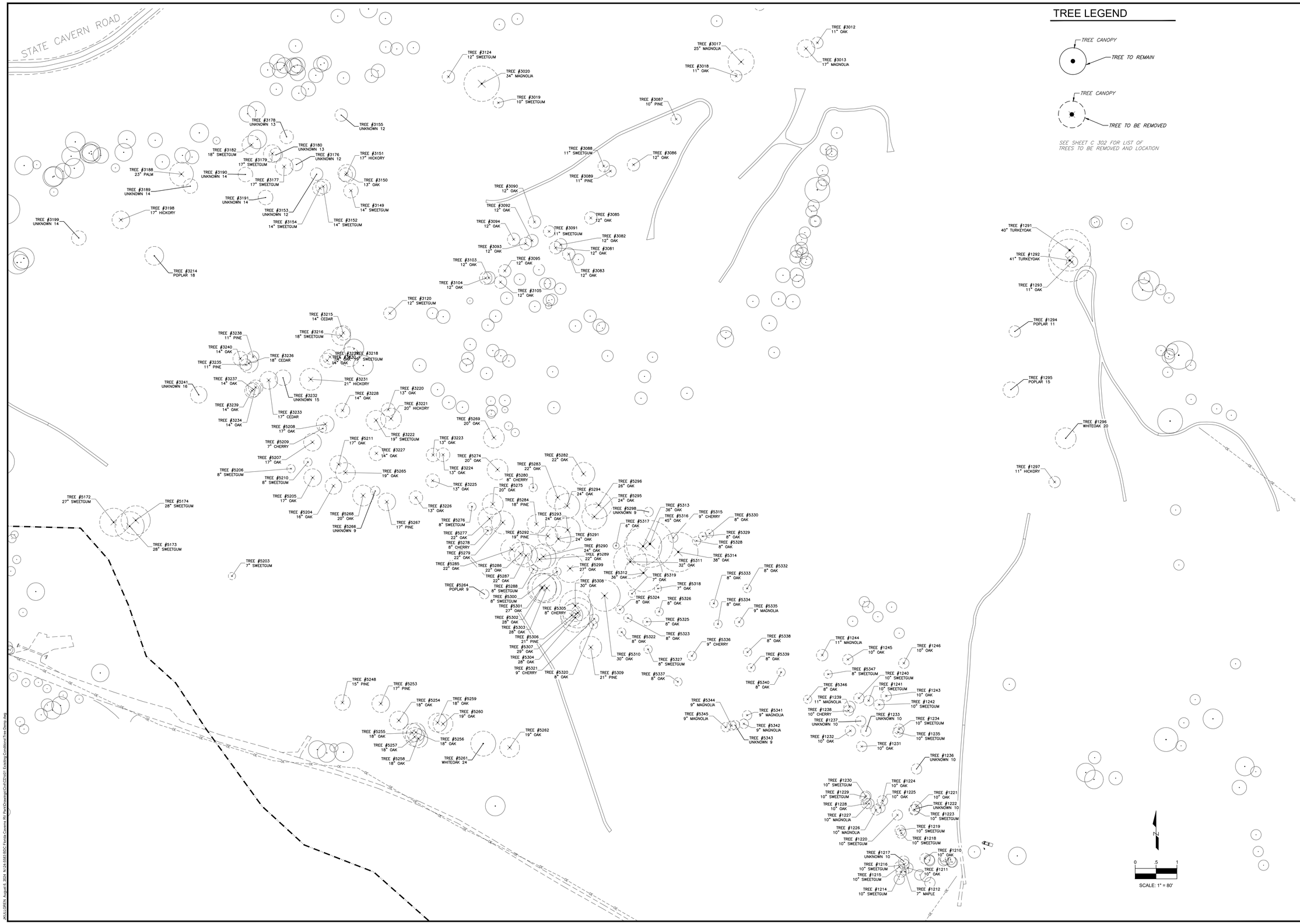
PROFESSIONAL REGISTRATION
ROBERT D. GEORGE No. 51940 LICENSED PROFESSIONAL ENGINEER STATE OF FLORIDA
ROBERT D. GEORGE
State of Florida P.E. # 51940

FLORIDA CAVERNS STATE PARK

SHEET TITLE: EXISTING CONDITIONS AND DEMO PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 100



SYMBOL	REVISION	DATE
A		
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SYMBOL	REVISION	DATE
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
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ROBERT D. GEORGE LICENSE No.51940 STATE OF FLORIDA PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

FLORIDA CAVERNS STATE PARK

SHEET TITLE: TREE DEMO PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 101

JKOLLOREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C101 Existing Conditions Tree Demo.dwg

TREES TO BE REMOVED

TREE NUMBER	DESCRIPTION	SIZE (IN)	NORTHING	EASTING
1210	OAK	10	657938.0	1743532.6
1211	OAK	10	657920.2	1743499.6
1212	MAPLE	7	657913.5	1743494.5
1214	SWEETGUM	10	657912.2	1743486.9
1215	SWEETGUM	10	657922.2	1743483.3
1216	SWEETGUM	10	657926.9	1743492.2
1217	UNKNOWN	10	657933.0	1743491.7
1218	SWEETGUM	10	657986.7	1743487.0
1219	SWEETGUM	10	657991.8	1743485.0
1220	SWEETGUM	10	658021.5	1743479.7
1221	OAK	10	658037.5	1743516.0
1222	UNKNOWN	10	658032.4	1743512.3
1223	SWEETGUM	10	658031.2	1743511.7
1224	OAK	10	658048.8	1743450.8
1225	OAK	10	658035.3	1743446.2
1226	MAGNOLIA	10	658031.2	1743438.6
1227	MAGNOLIA	10	658043.2	1743424.9
1228	OAK	10	658043.5	1743419.8
1229	SWEETGUM	10	658055.5	1743417.5
1230	SWEETGUM	10	658057.6	1743419.2
1231	OAK	10	658152.9	1743411.3
1232	OAK	10	658182.8	1743389.5
1233	UNKNOWN	10	658182.2	1743419.2
1234	SWEETGUM	10	658186.2	1743482.7
1235	SWEETGUM	10	658180.1	1743480.8
1236	UNKNOWN	10	658109.8	1743516.2
1237	UNKNOWN	10	658201.5	1743409.3
1238	CHERRY	10	658221.4	1743385.7
1239	MAGNOLIA	11	658228.8	1743387.8
1240	SWEETGUM	10	658245.5	1743405.9
1241	SWEETGUM	10	658240.7	1743424.4
1242	SWEETGUM	10	658232.9	1743444.4
1243	OAK	10	658249.7	1743458.0
1244	MAGNOLIA	11	658327.9	1743335.4
1245	OAK	10	658319.6	1743384.6
1246	OAK	10	658312.4	1743491.9
1291	TURKEYOAK	40	659104.0	1743809.8
1292	TURKEYOAK	41	659084.6	1743809.9
1293	OAK	11	659081.9	1743814.4
1294	POPLAR	11	658948.4	1743704.6
1295	POPLAR	15	658836.7	1743696.9
1296	WHITEOAK	20	658743.6	1743802.1
1297	HICKORY	11	658659.7	1743780.9
3001	SWEETGUM	10	659691.3	1743206.4
3012	OAK	11	659501.8	1743326.1
3013	MAGNOLIA	17	659490.7	1743304.2
3014	OAK	11	659574.6	1743215.3
3017	MAGNOLIA	25	659465.1	1743180.0
3018	OAK	11	659437.9	1743170.5
3019	SWEETGUM	10	659386.8	1742714.6
3020	MAGNOLIA	34	659423.2	1742682.7
3081	OAK	12	659109.0	1742824.4
3082	OAK	12	659114.5	1742834.1
3083	OAK	12	659096.8	1742849.7
3085	OAK	12	659165.9	1742891.9
3086	OAK	12	659268.0	1742973.7
3087	PINE	10	659355.2	1743055.5
3088	SWEETGUM	11	659265.3	1742916.7
3089	PINE	11	659255.8	1742929.6
3090	OAK	12	659158.2	1742784.0
3091	SWEETGUM	11	659140.2	1742812.0
3092	OAK	12	659122.4	1742779.2
3093	OAK	12	659116.7	1742766.8
3094	OAK	12	659124.9	1742744.0
3095	OAK	12	659064.5	1742727.0
3103	OAK	12	659051.1	1742696.5
3104	OAK	12	659050.7	1742690.4
3105	OAK	12	659043.0	1742718.6
3120	SWEETGUM	12	658983.1	1742506.7
3124	SWEETGUM	12	659436.5	1742618.9
3149	SWEETGUM	14	659218.3	1742432.0
3150	OAK	13	659249.0	1742422.0
3151	HICKORY	17	659251.5	1742424.0
3152	SWEETGUM	14	659226.2	1742378.9
3153	UNKNOWN	12	659249.9	1742366.4
3154	SWEETGUM	14	659223.0	1742372.6
3155	UNKNOWN	12	659363.1	1742413.4
3176	UNKNOWN	12	659268.3	1742327.5
3177	SWEETGUM	17	659264.3	1742304.1
3178	UNKNOWN	13	659321.3	1742308.8
3179	SWEETGUM	17	659289.3	1742281.5
3180	UNKNOWN	13	659286.8	1742288.2
3182	SWEETGUM	18	659306.1	1742241.3
3188	PALM	23	659249.8	1742107.1
3189	UNKNOWN	14	659226.9	1742124.3
3190	UNKNOWN	14	659249.2	1742229.8
3191	UNKNOWN	14	659205.1	1742268.5
3198	HICKORY	17	659162.3	1741991.1
3199	UNKNOWN	14	659127.4	1741910.5
3214	POPLAR	18	659093.3	1742055.1
3215	CEDAR	14	658945.7	1742417.3
3216	SWEETGUM	18	658940.0	1742413.4
3218	SWEETGUM	19	658899.8	1742429.2
3220	OAK	13	658798.4	1742503.4
3221	HICKORY	20	658781.2	1742508.8
3222	SWEETGUM	19	658778.0	1742480.1
3223	OAK	13	658711.6	1742589.5
3224	OAK	13	658712.1	1742608.7
3225	OAK	13	658662.3	1742588.7
3226	OAK	13	658629.8	1742556.7
3227	OAK	14	658714.6	1742481.0
3228	OAK	14	658796.9	1742416.0
3229	OAK	14	658899.6	1742391.8
3230	OAK	14	658892.8	1742386.5
3231	HICKORY	21	658856.7	1742354.9
3232	UNKNOWN	15	658859.7	1742301.8
3233	CEDAR	17	658854.9	1742274.4
3234	OAK	14	658841.4	1742249.5
3235	PINE	11	658884.7	1742230.9
3236	CEDAR	18	658887.3	1742236.2
3237	OAK	14	658837.1	1742245.3
3238	PINE	11	658899.6	1742244.7
3239	OAK	14	658834.9	1742242.4
3240	OAK	14	658896.3	1742219.9
3241	UNKNOWN	16	658826.9	1742140.3
5172	SWEETGUM	27	658582.6	1741977.2
5173	SWEETGUM	28	658575.1	1742007.8
5174	SWEETGUM	28	658586.3	1742019.5
5203	SWEETGUM	7	658479.4	1742204.0
5204	OAK	16	658652.3	1742398.5
5205	OAK	17	658668.1	1742358.7
5206	SWEETGUM	8	658685.4	1742317.2
5207	OAK	17	658736.1	1742358.4
5208	OAK	17	658770.7	1742382.8
5209	CHERRY	7	658762.4	1742378.1
5210	SWEETGUM	8	658698.0	1742349.6
5211	OAK	17	658693.6	1742408.5
5248	PINE	15	658237.0	1742415.8
5253	PINE	17	658234.9	1742489.3
5254	OAK	18	658202.6	1742523.8
5255	OAK	18	658179.2	1742549.6
5256	OAK	18	658179.9	1742556.6
5257	OAK	18	658171.3	1742554.2
5258	OAK	18	658168.3	1742561.2
5259	OAK	18	658198.5	1742598.1
5260	OAK	19	658196.0	1742608.6
5261	WHITEOAK	24	658158.4	1742685.6
5262	OAK	19	658150.8	1742736.2
5264	POPLAR	9	658444.8	1742687.8
5265	OAK	19	658677.8	1742421.5
5266	UNKNOWN	9	658642.7	1742478.8
5267	PINE	17	658621.7	1742500.7
5268	OAK	20	658633.8	1742455.4
5269	OAK	20	658744.8	1742706.0
5274	OAK	20	658683.7	1742713.1
5275	OAK	20	658617.4	1742703.9
5276	SWEETGUM	8	658612.6	1742664.1
5277	OAK	22	658589.5	1742697.6
5278	CHERRY	8	658566.5	1742694.5
5279	OAK	22	658582.2	1742723.1
5280	CHERRY	8	658649.0	1742781.5
5282	OAK	22	658675.4	1742877.8
5283	OAK	22	658630.0	1742828.3
5284	PINE	18	658579.3	1742787.6
5285	OAK	22	658530.5	1742740.9
5286	OAK	22	658522.4	1742757.2
5287	OAK	22	658518.8	1742767.5
5288	SWEETGUM	8	658492.6	1742782.0
5289	OAK	22	658511.2	1742793.5
5290	OAK	24	658516.8	1742800.9
5291	OAK	24	658550.7	1742829.7
5292	PINE	19	658556.0	1742809.6
5293	OAK	24	658567.8	1742847.6
5294	OAK	24	658614.0	1742846.6
5295	OAK	24	658593.4	1742898.7
5296	OAK	26	658615.4	1742906.8
5298	UNKNOWN	9	658602.3	1743002.7
5299	OAK	27	658494.1	1742852.1
5300	SWEETGUM	8	658488.1	1742827.1
5301	OAK	27	658458.2	1742798.9
5302	OAK	28	658456.0	1742798.2
5303	OAK	28	658456.5	1742807.5
5304	OAK	28	658399.8	1742862.2
5305	CHERRY	8	658407.1	1742863.3
5306	PINE	21	658404.2	1742855.3
5307	OAK	29	658409.0	1742866.9
5308	OAK	30	658422.2	1742862.0
5309	PINE	21	658342.9	1742891.8
5310	OAK	30	658441.9	1742918.2
5311	OAK	32	658506.9	1742967.4
5312	OAK	36	658485.5	1742992.8
5313	OAK	36	658536.6	1742992.0
5314	OAK	38	658525.7	1743059.4
5315	CHERRY	9	658552.8	1743049.7
5316	OAK	45	658541.1	1743005.2
5317	OAK	6	658537.5	1742940.2
5318	OAK	7	658455.6	1743020.6
5319	OAK	7	658445.6	1742970.7
5320	OAK	8	658386.1	1742896.8
5321	CHERRY	9	658397.5	1742898.3
5322	OAK	8	658372.1	1742951.0
5323	OAK	8	658399.0	1742963.0
5324	OAK	8	658415.2	1742947.7
5325	OAK	8	658391.9	1742999.5
5326	OAK	8	658411.1	1743022.9
5327	SWEETGUM	8	658339.1	1743001.6
5328	OAK	8	658547.0	1743094.5
5329	OAK	8	658555.6	1743106.3
5330	OAK	8	658560.9	1743119.4
5332	OAK	8	658455.7	1743191.5
5333	OAK	8	658426.8	1743127.7
5334	OAK	8	658387.4	1743135.6
5335	MAGNOLIA	9	658391.2	1743176.2
5336	CHERRY	9	658326.4	1743085.6
5337	OAK	8	658276.8	1743058.8
5338	OAK	8	658333.6	1743192.3
5339	OAK	8	658303.8	1743199.3
5340	OAK	8	658295.2	1743256.6
5341	MAGNOLIA	9	658212.7	1743191.5
5342	MAGNOLIA	9	658196.4	1743185.2
5343	UNKNOWN	9	658193.6	1743168.4
5344	MAGNOLIA	9	658192.7	1743161.9
5345	MAGNOLIA	9	658189.7	1743150.3
5346	OAK	8	658243.2	1743307.6
5347	SWEETGUM	8	658291.3	1743346.8

SYMBOL	REVISION	DATE
A		
B		

SYMBOL	REVISION	DATE
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

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ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

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No 51940
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PROFESSIONAL ENGINEER
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State of Florida P.E. # 51940

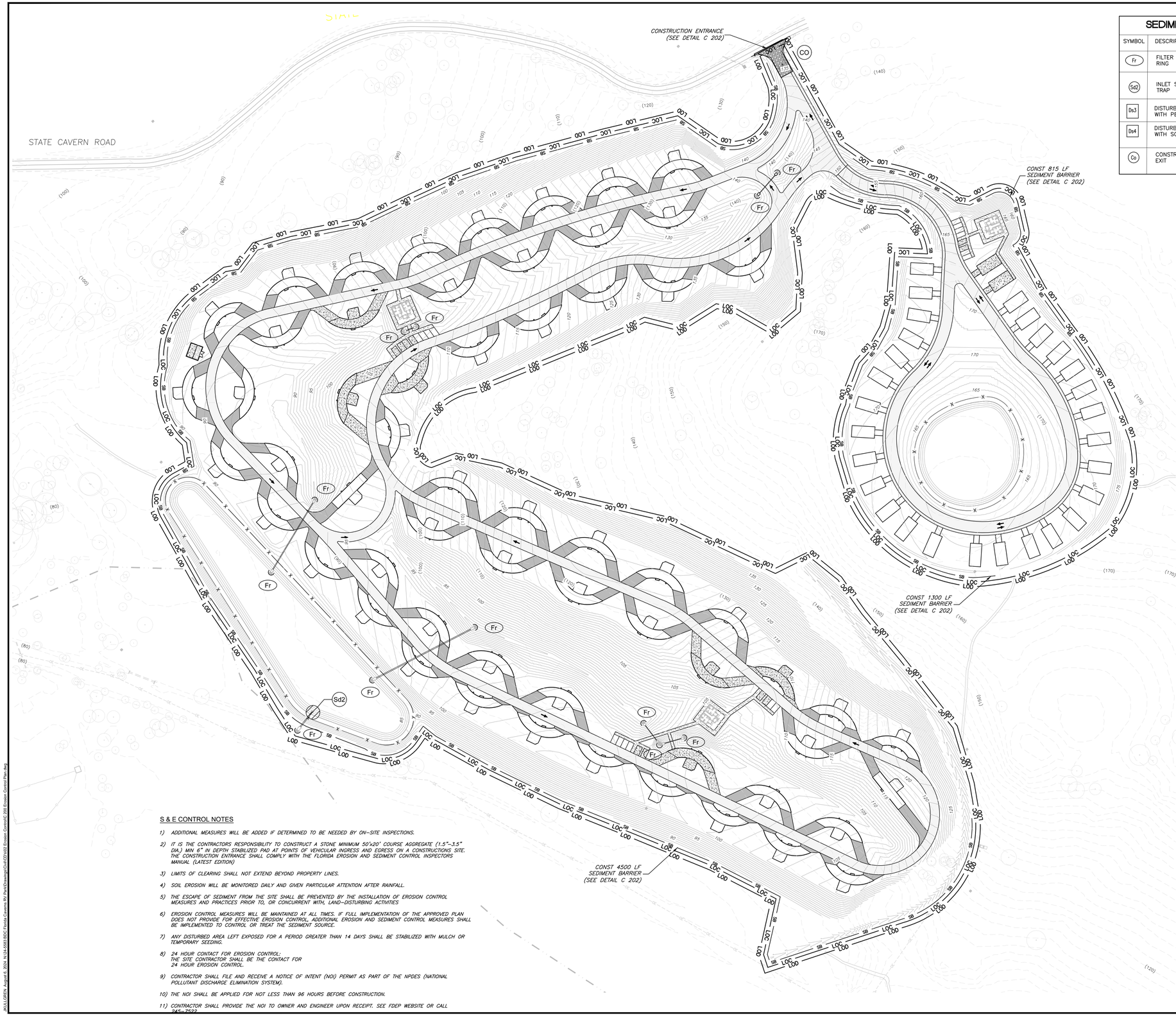
FLORIDA CAVERNS STATE PARK

SHEET TITLE: TREE DEMO TABLE

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 102

JKILLGREN, August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Cad\27x41 Existing Conditions\Tree Demo.dwg



SEDIMENTATION and EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION	
Fr	FILTER RING	A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS A SLOPE
Sd2	INLET SEDIMENT TRAP	AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. EXCAVATED AREA TO BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITY.
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION	ESTABLISHING A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION WITH SODDING	ESTABLISHING A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.
Co	CONSTRUCTION EXIT	A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS

LINETYPE LEGEND

- EASEMENT
- PROPERTY LINE
- (170) EXISTING CONTOUR LINES (80)
- PROPOSED CONTOUR LINES 80
- APPROXIMATE FEMA FLOOD LINE
- LIMIT OF CONSTRUCTION LOC
- LIMIT OF DISTURBANCE LOD
- SEDIMENT BARRIER SB
- TREE BARRICADE TB TB

SITE PLAN HATCH LEGEND

- PROPOSED STANDARD ASPHALT PAVING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE ADA ACCESS AREAS
- PROPOSED GRAVEL PAVING

SYMBOL LEGEND

EXISTING TREE

S & E CONTROL NOTES

1) ADDITIONAL MEASURES WILL BE ADDED IF DETERMINED TO BE NEEDED BY ON-SITE INSPECTIONS.

2) IT IS THE CONTRACTORS RESPONSIBILITY TO CONSTRUCT A STONE MINIMUM 50'x20' COURSE AGGREGATE (1.5"-3.5" DIA.) MIN 6" IN DEPTH STABILIZED PAD AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTIONS SITE. THE CONSTRUCTION ENTRANCE SHALL COMPLY WITH THE FLORIDA EROSION AND SEDIMENT CONTROL INSPECTORS MANUAL (LATEST EDITION)

3) LIMITS OF CLEARING SHALL NOT EXTEND BEYOND PROPERTY LINES.

4) SOIL EROSION WILL BE MONITORED DAILY AND GIVEN PARTICULAR ATTENTION AFTER RAINFALL.

5) THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES

6) EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

7) ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

8) 24 HOUR CONTACT FOR EROSION CONTROL:
THE SITE CONTRACTOR SHALL BE THE CONTACT FOR
24 HOUR EROSION CONTROL.

9) CONTRACTOR SHALL FILE AND RECEIVE A NOTICE OF INTENT (NOI) PERMIT AS PART OF THE NPDES (NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM).

10) THE NOI SHALL BE APPLIED FOR NOT LESS THAN 96 HOURS BEFORE CONSTRUCTION.

11) CONTRACTOR SHALL PROVIDE THE NOI TO OWNER AND ENGINEER UPON RECEIPT. SEE FDEP WEBSITE OR CALL 245-7522

SYMBOL	REVISION	DATE
A		
B		
C		
D		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

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REVIEWED BY: RDG

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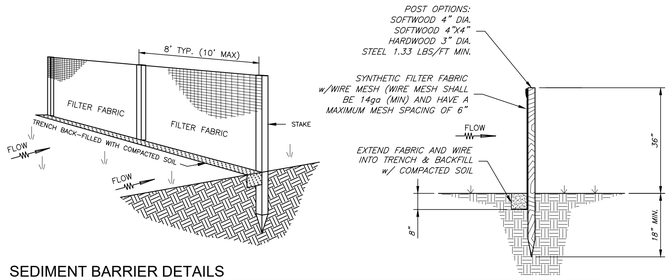
FLORIDA CAVERNS STATE PARK

SHEET TITLE: EROSION CONTROL PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

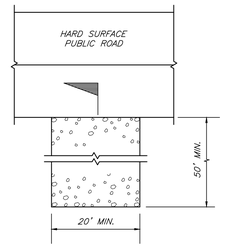
SHEET NO.
C 200

JGILLORN, August 8, 2024, N:\24-5583 BDC Florida Caverns RV Park\Drawings\CIVIL\C-200 Erosion Control\C-200 Erosion Control Plan.dwg

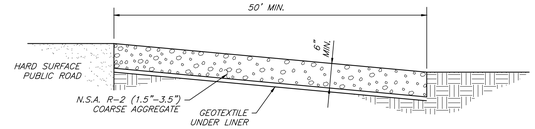


SEDIMENT BARRIER DETAILS

N.T.S. EC-006



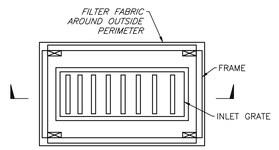
PLAN



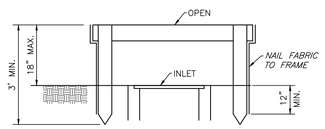
SECTION

CONSTRUCTION ENTRANCE/EXIT

N.T.S. EC-016



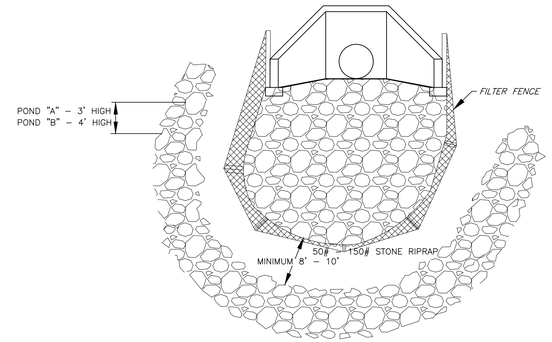
PLAN



SECTION

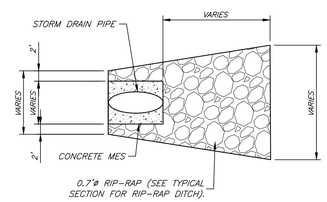
INLET PROTECTION

N.T.S. EC-013



STONE FILTER RING

N.T.S. EC-011



TYPICAL RIP-RAP DETAIL AT MITERED END SECTION

SCALE: NTS

SYMBOL	REVISION	DATE
A		
B		
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

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DRAWN BY: CFI
REVIEWED BY: RDG
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ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

PROFESSIONAL REGISTRATION
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No. 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

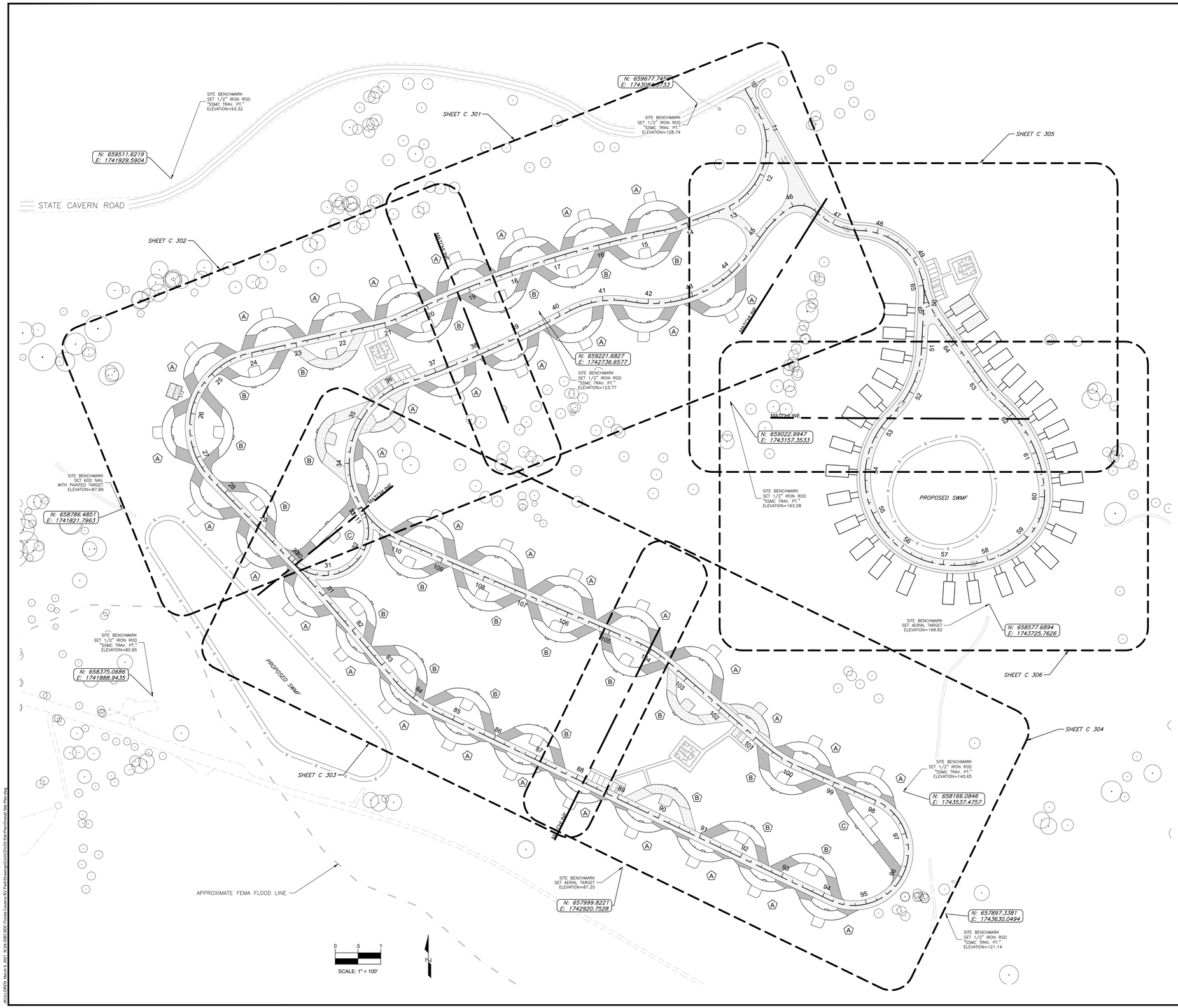
FLORIDA CAVERNS STATE PARK

SHEET TITLE
EROSION CONTROL DETAILS

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 201

JKULLGREN August 8, 2024 24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C201-02 Erosion Control\C-201 Erosion Control Details.dwg



LINETYPE LEGEND

ROADWAY ALIGNMENT

APPROXIMATE FEMA FLOOD LINE

SITE PLAN HATCH LEGEND

PROPOSED STANDARD ASPHALT PAVING

PROPOSED CONCRETE SIDEWALK

PROPOSED CONCRETE ADA ACCESS AREAS

PROPOSED GRAVEL PAVING

SYMBOL LEGEND

EXISTING TREE

RV CONCRETE PADS

(A) OUTSIDE LOOP PULL THROUGH
55.2 SY X 36 PADS TOTAL = 1987.2 SY

(B) INSIDE LOOP PULL THROUGH
60.5 SY X 22 PADS TOTAL = 1331.0 SY

(C) INSIDE LOOP ONE-WAY PULL THROUGH
54.2 SY X 2 PADS TOTAL = 108.4 SY

NOTE: SEE SHEET C701 FOR DETAILS

SITE DATA TABLE

RV SPACES		
GRAVEL PULL THROUGH	54	
ADA CONCRETE PULL THROUGH	6	
TOTAL	60	
ALL RV SPACES CAN ACCOMMODATE 40' LENGTH RVS		
TENT SPACES		
COMPACTED SOIL	28	
ADA CONCRETE PAD	2	
TOTAL	30	
BATH HOUSES		
INTERMEDITATE (41' X 38')	3	
ROADWAY WIDTHS		
TWO-WAY (ENTRANCE & TENT LOOP)	24'	
(INCLUDES 6' BIKE PATH)		
ONE-WAY (RV LOOPS)	20'	
	sqft	acres
Total Proposed Impervious Area	457,848	10.51
PROPOSED BUILDINGS	4,674	0.11
PROPOSED ASPHALT PAVING	239,280	5.49
PROPOSED CONCRETE SIDEWALK	11,295	0.26
PROPOSED GRAVEL RV CAMPSITE	136,512	3.13
PROPOSED GRAVEL CAMPSITE	38,740	0.89
PROPOSED CONCRETE PAVING	27,347	0.63

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
A			C		
B			D		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG
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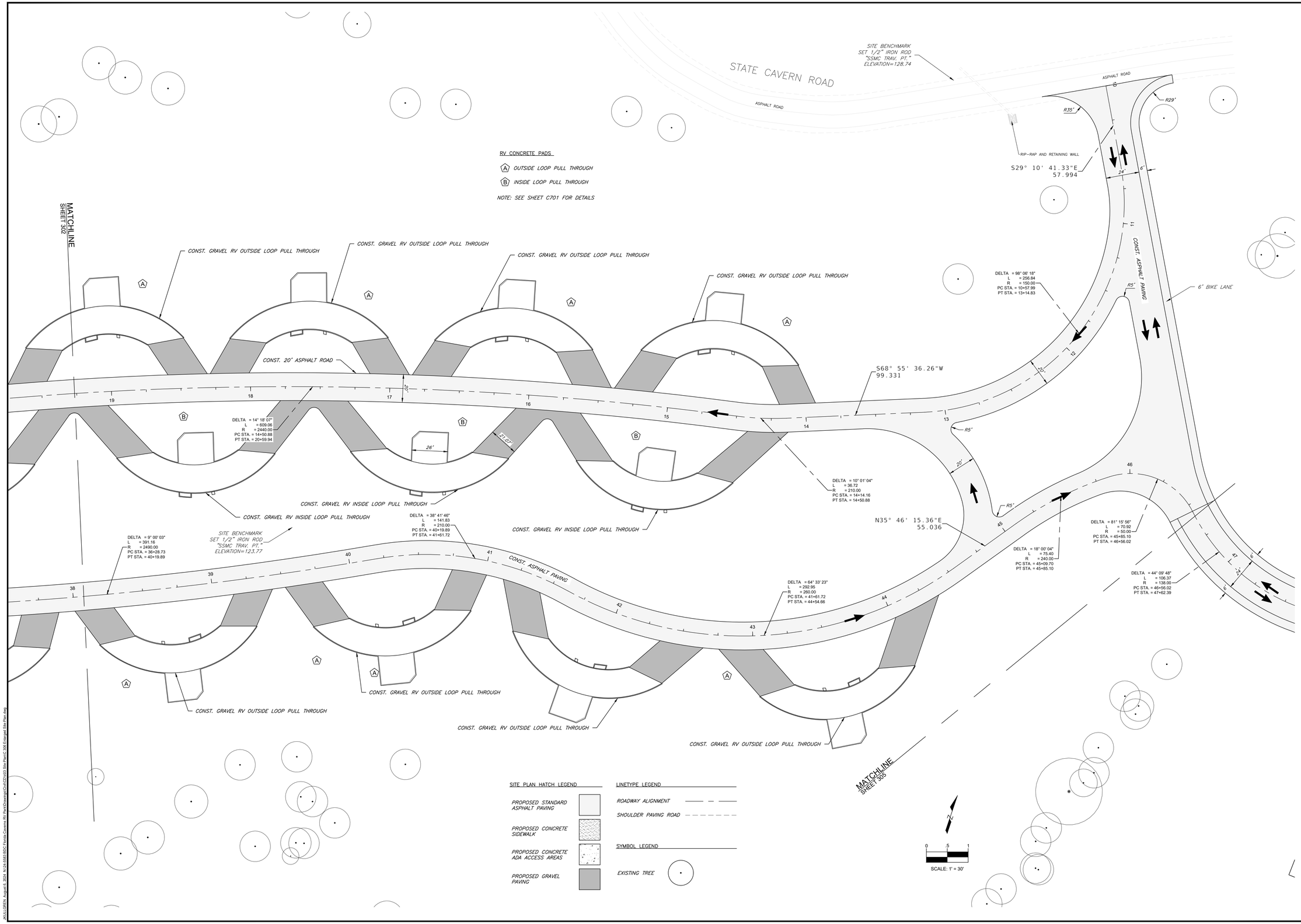
State of Florida P.E. # 51940

SHEET TITLE: OVERALL SITE PLAN

PROJECT TITLE: FLORIDA CAVERNS STATE PARK
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 300

JULLGREN, March 4, 2021, N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C300 Site Plan\Overall Site Plan.dwg



JKOLLGREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C3\03 Site Plan\C 300 Enlarged Site Plan.dwg

DESIGNER :	RDN
DRAWN BY:	CFI
REVIEWED BY:	RDG
Consultant :	

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

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REVISION	SYMBOL	DATE
	A	
	B	

REVISION	SYMBOL	DATE
	C	
	D	

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
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PROFESSIONAL REGISTRATION
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LICENSE No. 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

SHEET TITLE: FLORIDA CAVERNS STATE PARK

PROJECT TITLE: ENLARGED SITE PLAN

BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 301

SITE PLAN HATCH LEGEND

- PROPOSED STANDARD ASPHALT PAVING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE ADA ACCESS AREAS
- PROPOSED GRAVEL PAVING

LINETYPE LEGEND

- ROADWAY ALIGNMENT
- SHOULDER PAVING ROAD

SYMBOL LEGEND

- EXISTING TREE

CONST. GRAVEL RV OUTSIDE LOOP PULL THROUGH

CONST. 20' ASPHALT ROAD

S77° 25' 06.35"W
293.031

DELTA = 121° 41' 26"
L = 350.44
R = 165.00
PC STA. = 24+06.49
PT STA. = 27+56.93

DELTA = 12° 46' 33"
L = 53.52
R = 240.00
PC STA. = 20+59.94
PT STA. = 21+13.46

CONST. GRAVEL RV INSIDE LOOP PULL THROUGH

CONST. CONC ADA RV INSIDE LOOP PULL THROUGH

CONST. INTERMEDIATE BATH HOUSE

N: 659140.9730
E: 1742364.1544

N: 659157.0190
E: 1742401.7256

N: 659117.6085
E: 1742418.5570

N: 659101.5626
E: 1742380.9859

CONST. CONC 4" SIDE WALK

CONST. CONC 6" ADA PARKING

CONST. ASPHALT PAVING

DELTA = 9° 00' 03"
L = 391.16
R = 2490.00
PC STA. = 36+28.73
PT STA. = 40+19.89

SITE BENCHMARK
SET 60D NAIL
WITH PAINTED TARGET
ELEVATION=87.89

EXISTING 4.5' CONCRETE PATH

CONST. CONC ADA RV INSIDE LOOP PULL THROUGH

DELTA = 102° 25' 32"
L = 330.72
R = 185.00
PC STA. = 32+98.01
PT STA. = 36+28.73

CONST. ASPHALT PAVING

S44° 16' 19.53"E
254.544

PROPOSED GRAVEL ROAD

MATCHLINE
SHEET 301

MATCHLINE
SHEET 303

DELTA = 34° 58' 02"
L = 112.90
R = 185.00
PC STA. = 110+01.07
PT STA. = 111+13.97

DELTA = 167° 31' 18"
L = 286.53
R = 98.00
PC STA. = 30+11.48
PT STA. = 32+98.01

S44° 16' 19.53"E
14.010

DELTA = 3° 50' 21"
L = 67.00
R = 1000.00
PC STA. = 80+14.01
PT STA. = 80+81.01

PROPOSED SWMF

RV CONCRETE PADS

- (A) OUTSIDE LOOP PULL THROUGH
- (B) INSIDE LOOP PULL THROUGH
- (C) INSIDE LOOP ONE-WAY PULL THROUGH

NOTE: SEE SHEET C701 FOR DETAILS

0 .5 1
SCALE: 1" = 30'

SYMBOL	DATE	REVISION	SYMBOL	DATE	REVISION
			A		
			B		
			C		
			D		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG
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Bureau of Design and Construction
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FLORIDA CAVERNS STATE PARK

SHEET TITLE: ENLARGED SITE PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO. C 302

JKULLGREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C302-03 Site Plan\C-300 Enlarged Site Plan.dwg

DELTA = 102° 25' 32"
L = 330.72
R = 185.00
PC STA. = 32+98.01
PT STA. = 36+28.73

CONST. GRAVEL RV OUTSIDE LOOP PULL THROUGH

MATCHLINE
SHEET 302

DELTA = 34° 58' 02"
L = 112.90
R = 185.00
PC STA. = 110+01.07
PT STA. = 111+13.97

PROPOSED GRAVEL ROAD

CONST. GRAVEL RV INSIDE LOOP PULL THROUGH

DELTA = 167° 31' 18"
L = 286.53
R = 98.00
PC STA. = 30+11.48
PT STA. = 32+98.01

DELTA = 3° 50' 21"
L = 67.00
R = 1000.00
PC STA. = 80+14.01
PT STA. = 80+81.01

16° 19' 53"E
14.010

CONST. GRAVEL RV OUTSIDE LOOP PULL THROUGH

CONST. GRAVEL RV INSIDE LOOP PULL THROUGH

N66° 45' 39.55"W
565.134

CONST. ASPHALT PAVING

S40° 25' 58.84"E
249.608

DELTA = 27° 22' 49"
L = 126.64
R = 265.00
PC STA. = 83+30.62
PT STA. = 84+57.26

DELTA = 17° 34' 57"
L = 79.79
R = 260.00
PC STA. = 103+56.15
PT STA. = 104+35.94

S64° 27' 41
960

RV CONCRETE PADS

(A) OUTSIDE LOOP PULL THROUGH

(B) INSIDE LOOP PULL THROUGH

(C) INSIDE LOOP ONE-WAY PULL THROUGH

NOTE: SEE SHEET C701 FOR DETAILS

SITE PLAN HATCH LEGEND

PROPOSED STANDARD ASPHALT PAVING

PROPOSED CONCRETE SIDEWALK

PROPOSED CONCRETE ADA ACCESS AREAS

PROPOSED GRAVEL PAVING

LINETYPE LEGEND

ROADWAY ALIGNMENT

SHOULDER PAVING ROAD

SYMBOL LEGEND

EXISTING TREE

PROPOSED SWMF

MATCHLINE
SHEET 304

SCALE: 1" = 30'

SYMBOL	DATE	REVISION	SYMBOL	DATE	REVISION	DATE
			(C)			
			(D)			

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG

Consultant :

George & Associates
Consulting Engineers, Inc.
CIVIL ENGINEERING • SURVEYING • PLANNING • ENVIRONMENTAL
ENGINEERING BUSINESS NO. 3929
1967 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE (850)521-0344 - FAX (850)521-0345

PROFESSIONAL REGISTRATION

ROBERT D. GEORGE
State of Florida P.E. # 51940

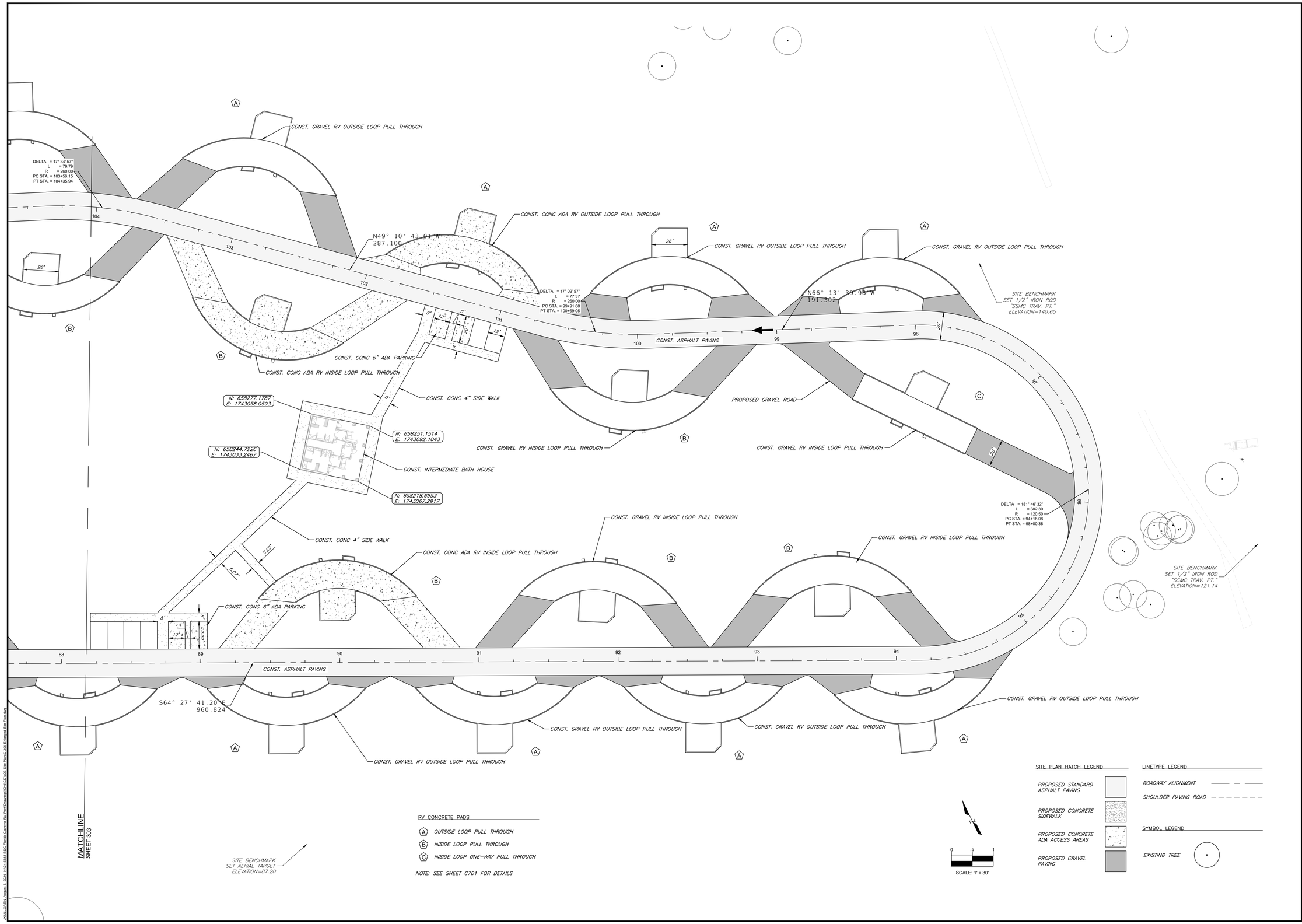
FLORIDA CAVERNS STATE PARK

SHEET TITLE: ENLARGED SITE PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 303

JAXLLORENA August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C\24-05 Site Plan\C-300 Enlarged Site Plan.dwg



SYMBOL	DATE	REVISION	SYMBOL	DATE	REVISION	DATE
A			C			
B			D			

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG
Consultant :

George & Associates
Consulting Engineers, Inc.
CIVIL ENGINEERING • LAND SURVEYING • ENVIRONMENTAL
ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE 850-521-0344 - FAX 850-521-0345

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
No 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

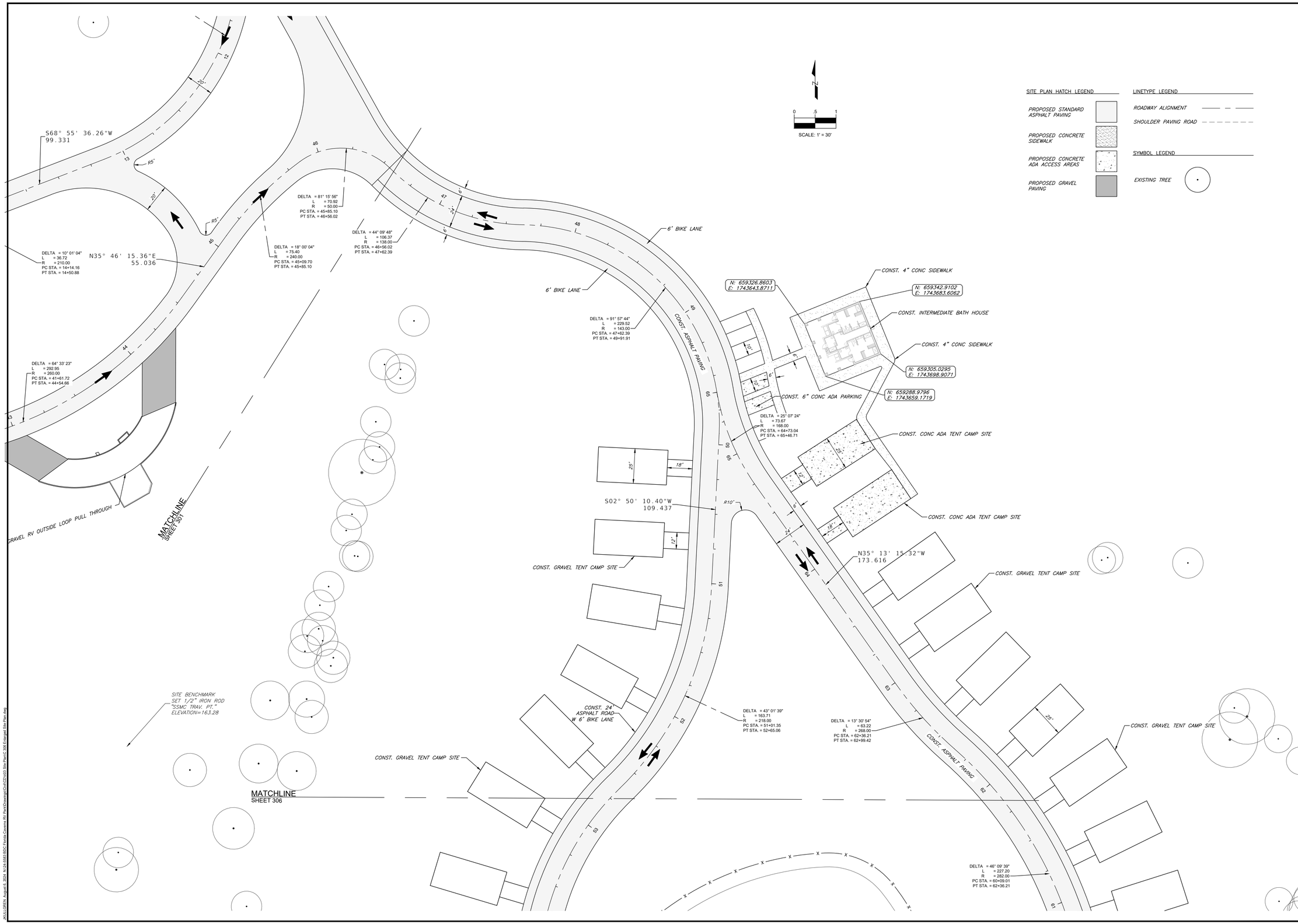
FLORIDA CAVERNS STATE PARK

SHEET TITLE
ENLARGED SITE PLAN

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 304

JKULLGREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C304\01 Site Plan\C-306 Enlarged Site Plan.dwg



SYMBOL	DATE	REVISION	SYMBOL	DATE	REVISION	DATE
A			C			
B			D			

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG
Consultant :

George & Associates
Consultants, Inc.
CIVIL ENGINEERING • LAND SURVEYING • LAND USE
ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE 850-521-0344 - FAX 850-521-0345

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
LICENSED
No.51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

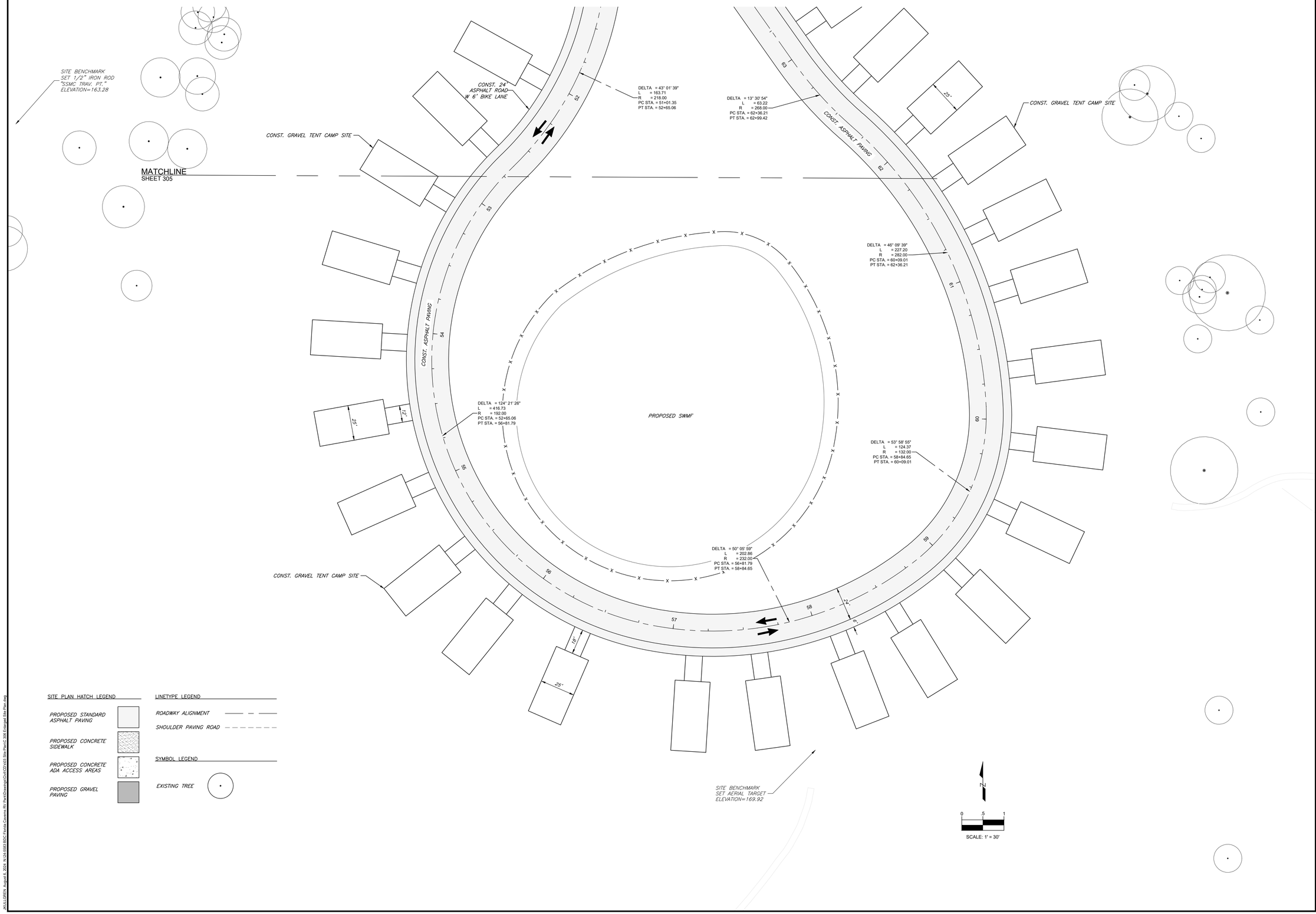
FLORIDA CAVERNS STATE PARK

SHEET TITLE: ENLARGED SITE PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 305

JKULLGREN August 6, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\24-5583 Site Plan\C 305 Enlarged Site Plan.dwg



SYMBOL	REVISION	DATE
A		
B		

SYMBOL	REVISION	DATE
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG
Consultant :

George & Associates
Consulting Engineers, Inc.
CERT. OF AUTHORIZATION NO. 8988 - CIVIL ENGINEERING - LCC#: 26
ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE: 850-521-0344 - FAX: 850-521-0345

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

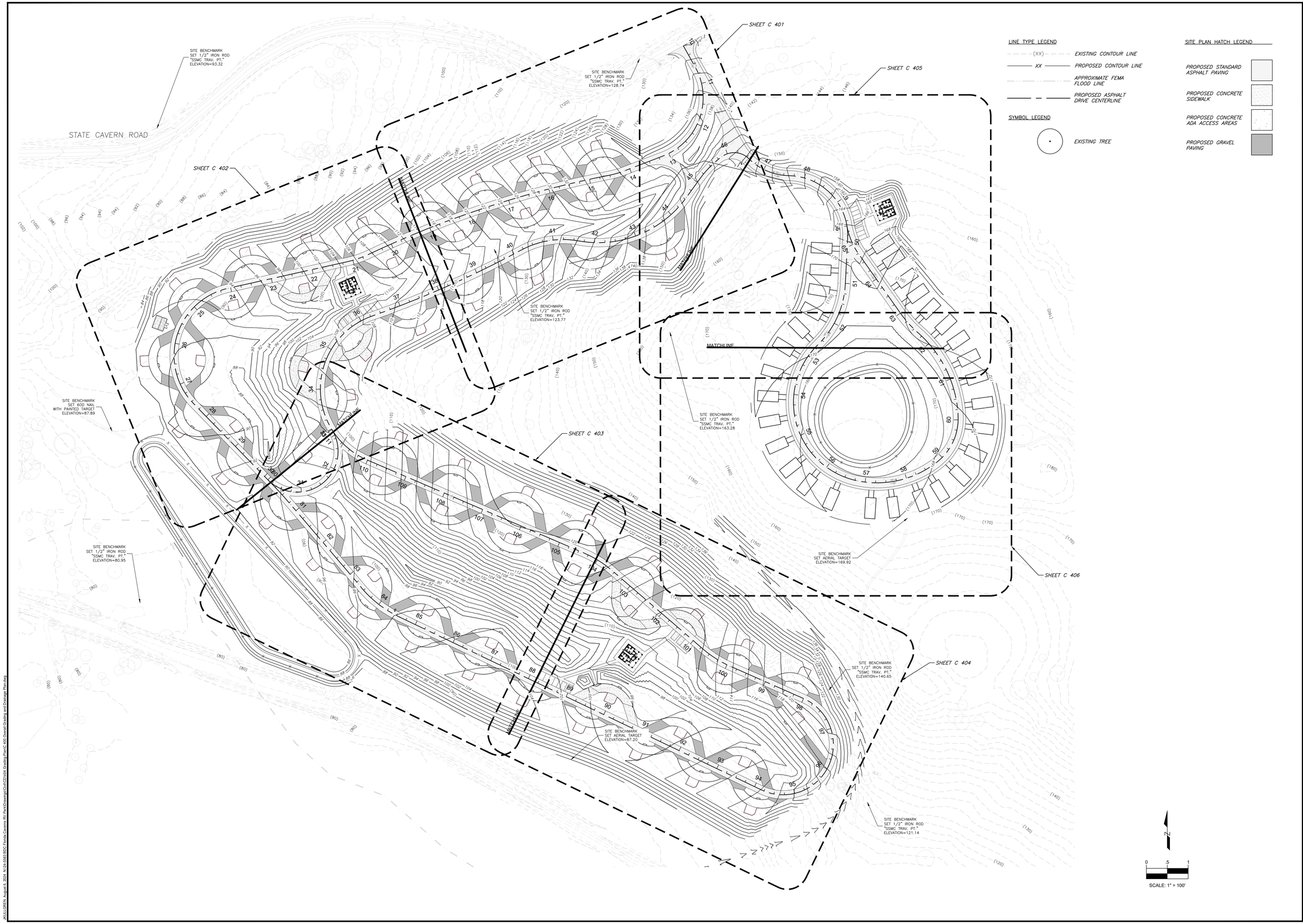
PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
LICENSE
No 51940
STATE OF Florida
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

SHEET TITLE
FLORIDA CAVERNS STATE PARK
ENLARGED SITE PLAN

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 306

JKOLLGREN, August 9, 2024, N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C\V103 Site Plan\C-306 Enlarged Site Plan.dwg



SYMBOL	REVISION	DATE
C		
D		

SYMBOL	REVISION	DATE
A		
B		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

George & Associates Consulting Engineers, Inc.
CERTIFICATE OF AUTHORIZATION ENGINEERING BUSINESS No. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE: (850)-322-0343 - FAX: (850)-210-0345

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
No 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

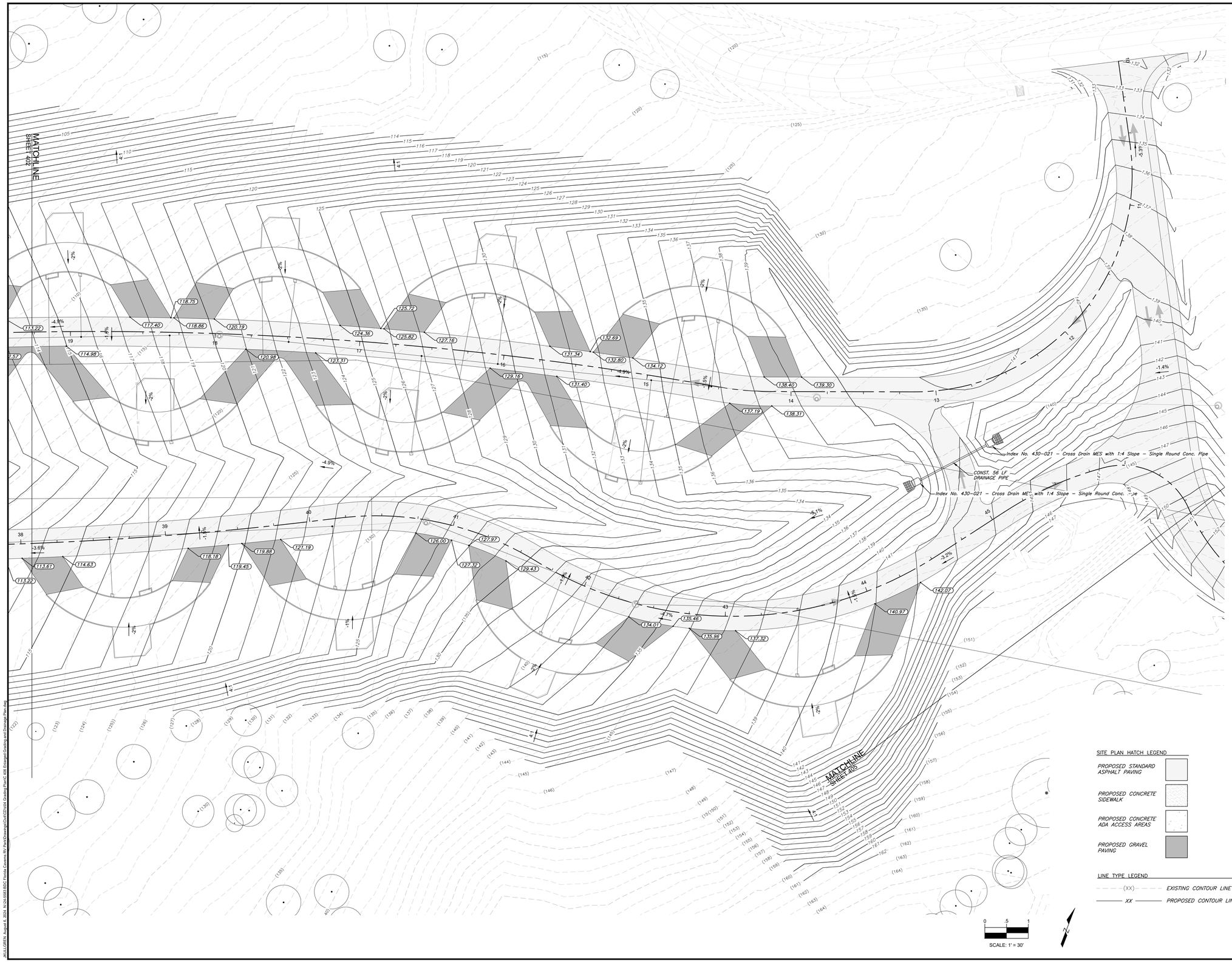
PROJECT TITLE: FLORIDA CAVERNS STATE PARK

SHEET TITLE: OVERALL GRADING AND DRAINAGE PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 400

JGULLGREN, August 8, 2024, N:\24-5583 FDC Florida Caverns RV Park\Drawings\CIVIL\C400 Overall Grading and Drainage Plan.dwg



SYMBOL	REVISION	DATE
A		
B		

SYMBOL	REVISION	DATE
C		
D		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

George & Associates
Consulting Engineers, Inc.
CERT. OF AUTHORIZATION FOR ENGINEERING SERVICES: EB-0000686
ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE 850-521-0344 - FAX 850-521-0345

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
STATE OF FLORIDA
No.51940
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

FLORIDA CAVERNS STATE PARK

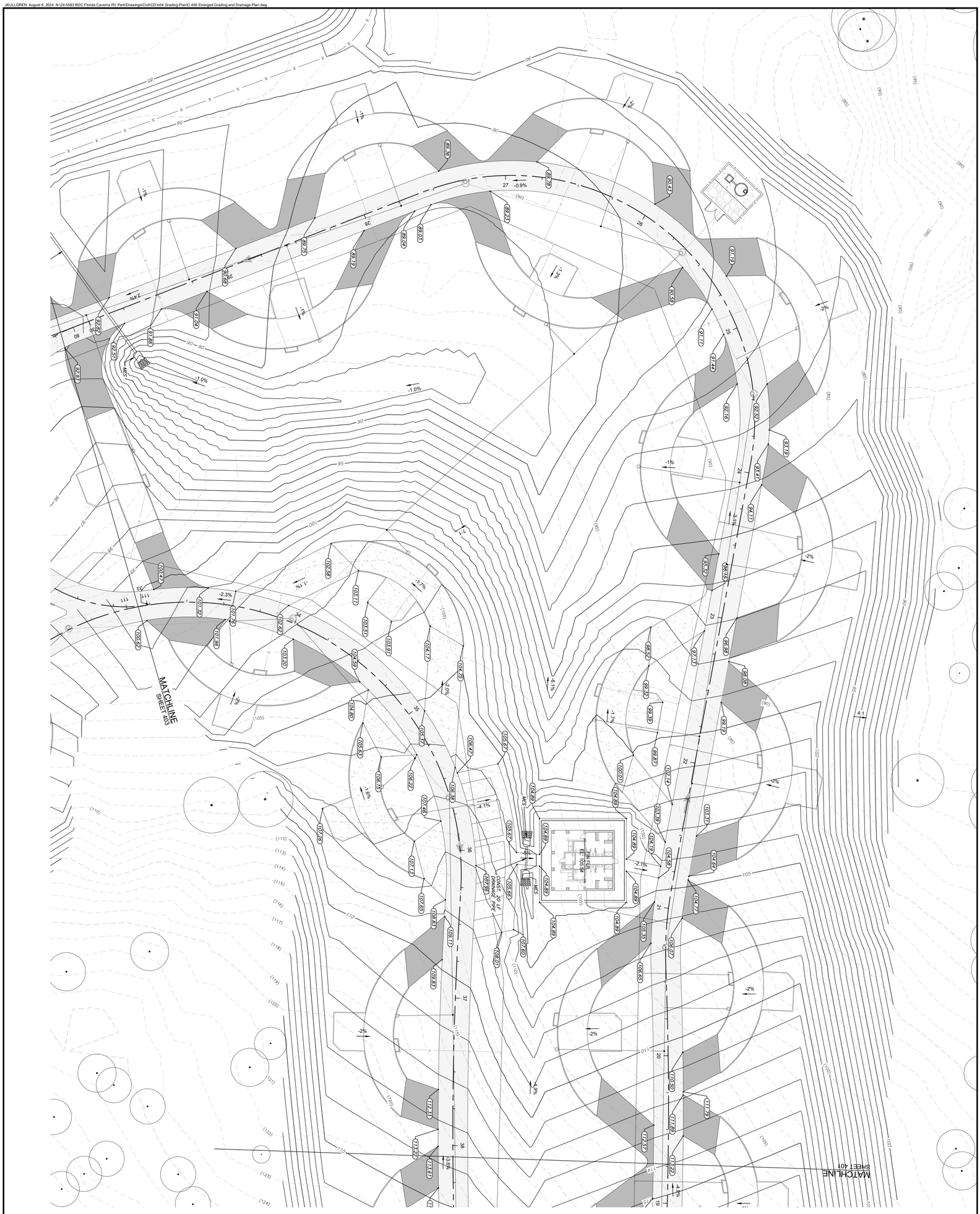
SHEET TITLE: ENLARGED GRADING AND DRAINAGE PLAN

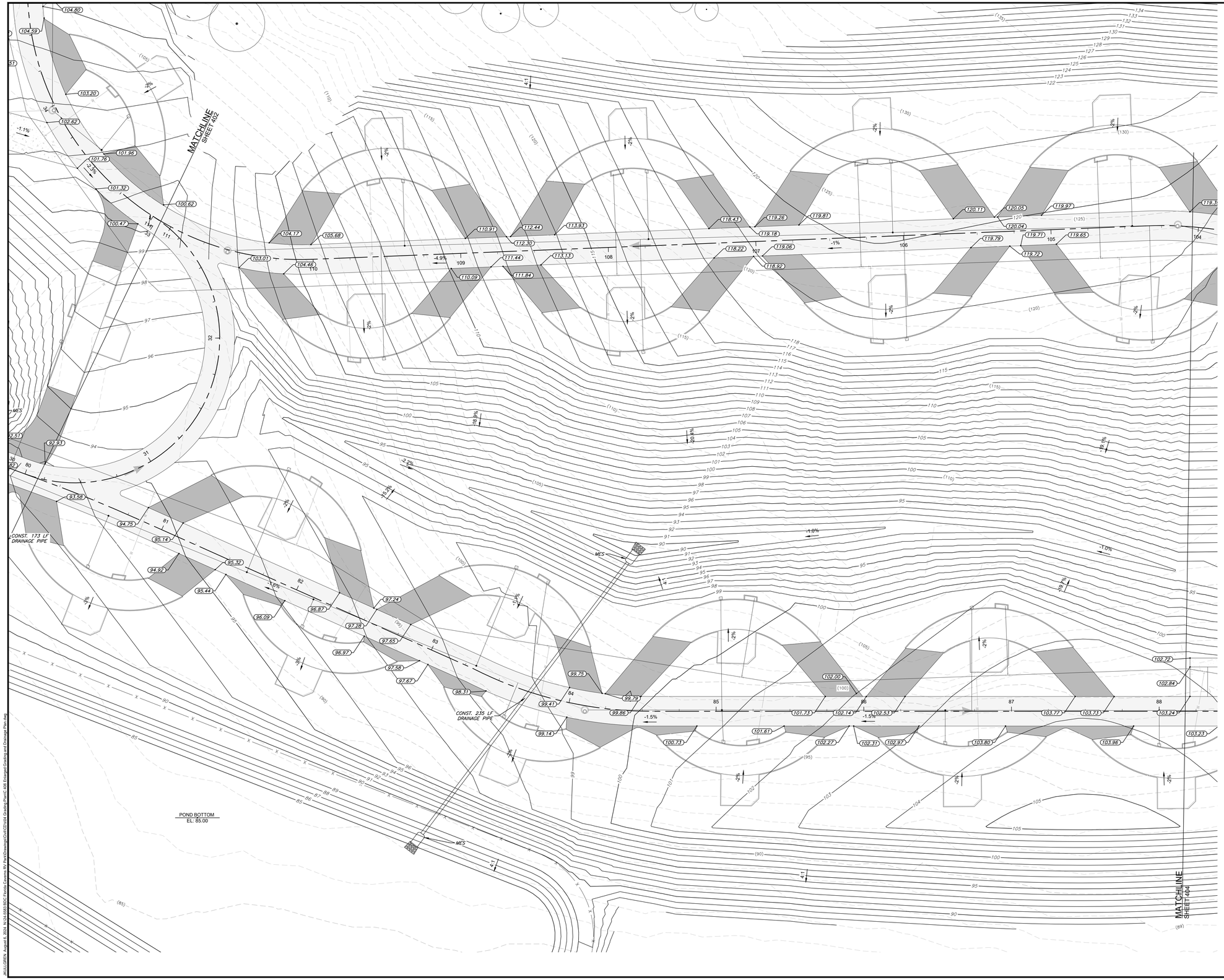
PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 401

JKULLGREN August 6, 2024 N:\24-5583 BDC-Florida Caverns RV Park\Drawings\Civil\C01-04 Grading Plan\C-400 Enlarged Grading and Drainage Plan.dwg

JKULLGREN August 6, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\CD's\04 Grading Plan\C 406 Enlarged Grading and Drainage Plan.dwg





SITE PLAN HATCH LEGEND

PROPOSED STANDARD ASPHALT PAVING

PROPOSED CONCRETE SIDEWALK

PROPOSED CONCRETE ADA ACCESS AREAS

PROPOSED GRAVEL PAVING

LINE TYPE LEGEND

(XX) EXISTING CONTOUR LINE

XX PROPOSED CONTOUR LINE

SITE PLAN HATCH LEGEND

EXISTING TREE

SYMBOL	REVISION	DATE
A		
B		
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

George & Associates
Consulting Engineers, Inc.
EST. 1980 CERTIFICATE OF AUTHORIZATION ENGINEERING BUSINESS NO. 3929
1967 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE 850-521-0344 - FAX 850-521-0345

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE LICENSE No. 51940 STATE OF FLORIDA PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

PROJECT TITLE
FLORIDA CAVERNS STATE PARK

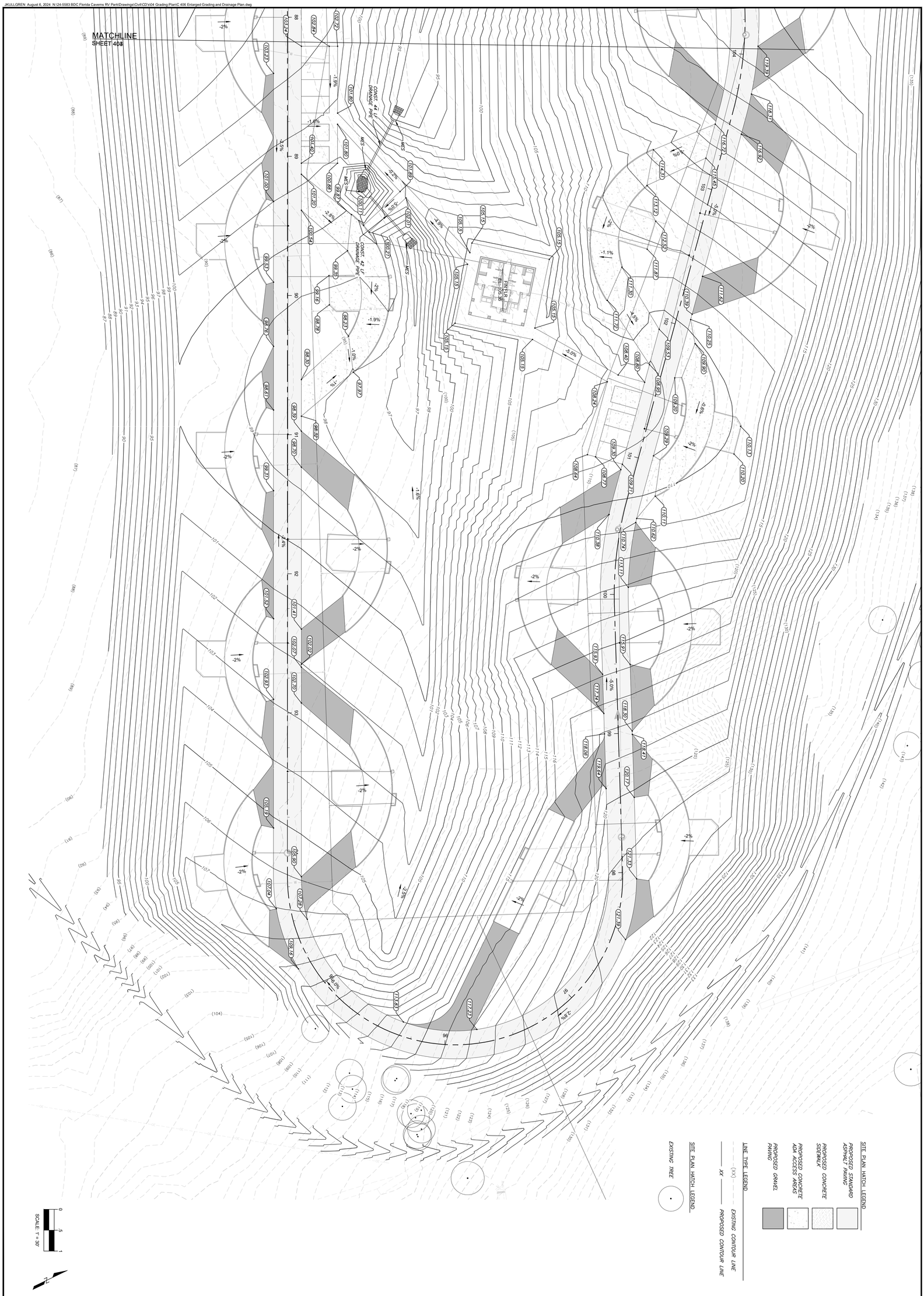
SHEET TITLE
ENLARGED GRADING AND DRAINAGE PLAN

BDC FLORIDA CAVERNS RV PARK

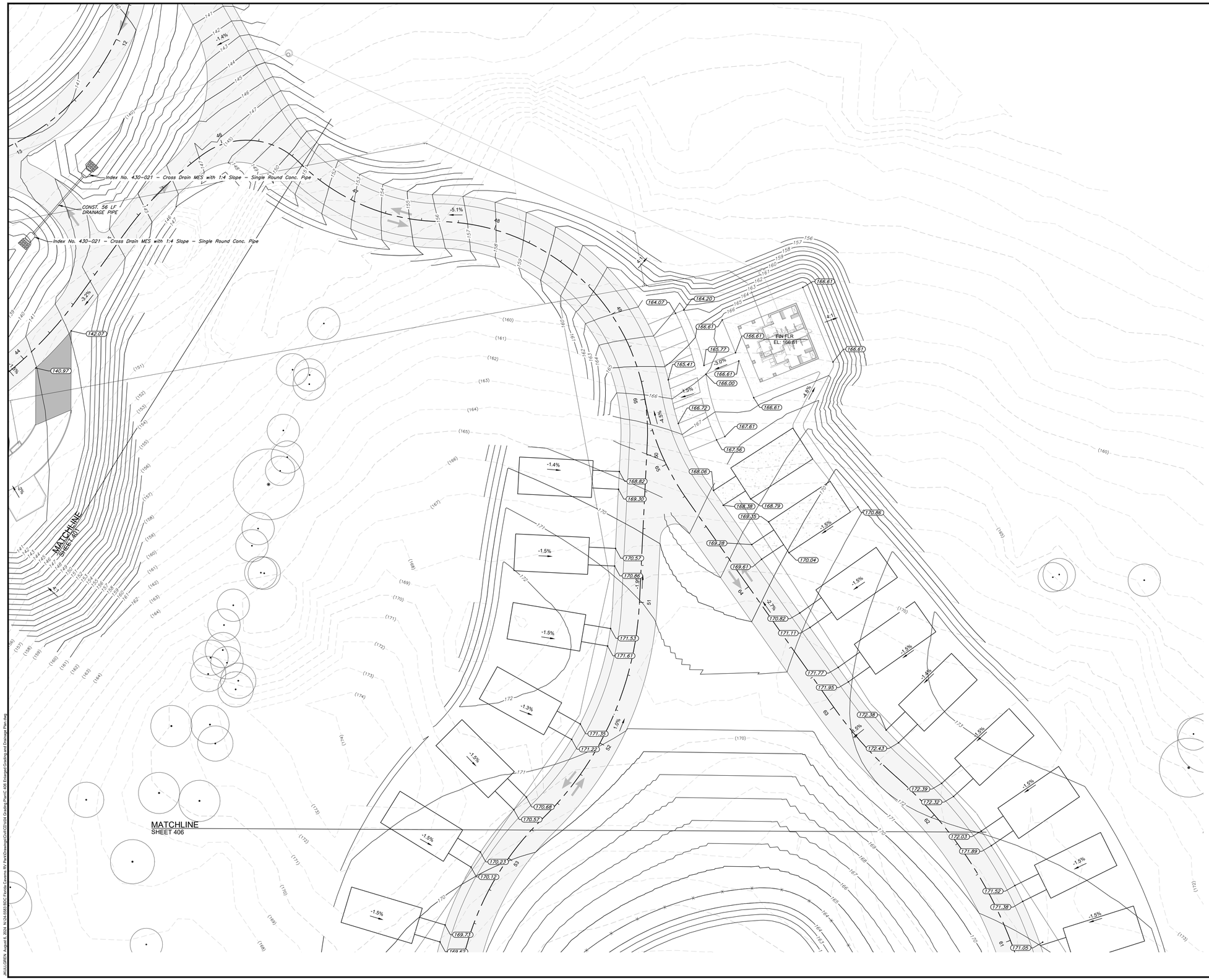
SHEET NO.
C 403

JKOLLGREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C403-404 Grading Plan\C-406 Enlarged Grading and Drainage Plan.dwg

JKULLGREN August 6, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\CD\vol4 Grading Plan\C 406 Enlarged Grading and Drainage Plan.dwg



SHEET NO. C 404	FLORIDA CAVERNS STATE PARK	PROFESSIONAL REGISTRATION	DESIGNER : RDN	ISSUE DATE: 08/09/2024	SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
SHEET TITLE	ENLARGED GRADING AND DRAINAGE PLAN	ROBERT D. GEORGE LICENSE No 51940 STATE OF FLORIDA PROFESSIONAL ENGINEER	DRAWN BY: JAK	COMP. FILE No.: 24-5583	A			C		
PROJECT TITLE	BDC FLORIDA CAVERNS RV PARK	ROBERT D. GEORGE	REVIEWED BY: RDG	STATE PROJECT No.: 61351C	B			D		
		State of Florida P.E. # 51940	Consultant :	George & Associates Consulting Engineers, Inc. CIVIL · ENVIRONMENTAL · TRANSPORTATION · SYSTEMS PLANNING · LAND USE ENGINEERING BUSINESS NO. 2829 1967 Commonwealth Lane, Suite 200, Tallahassee, FL 32303 PHONE 850.521.0344 · FAX 850.521.0345	Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157						



SITE PLAN HATCH LEGEND

- PROPOSED STANDARD ASPHALT PAVING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE ADA ACCESS AREAS
- PROPOSED GRAVEL PAVING

LINE TYPE LEGEND

- (XX) EXISTING CONTOUR LINE
- XX PROPOSED CONTOUR LINE

SITE PLAN HATCH LEGEND

- EXISTING TREE

SYMBOL	REVISION	DATE
C		
D		

SYMBOL	REVISION	DATE
A		
B		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction

3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

George & Associates Consulting Engineers, Inc.
CIVIL ENGINEERING • LAND SURVEYING • LAND DEVELOPMENT
ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE 850-521-0344 - FAX 850-521-0345

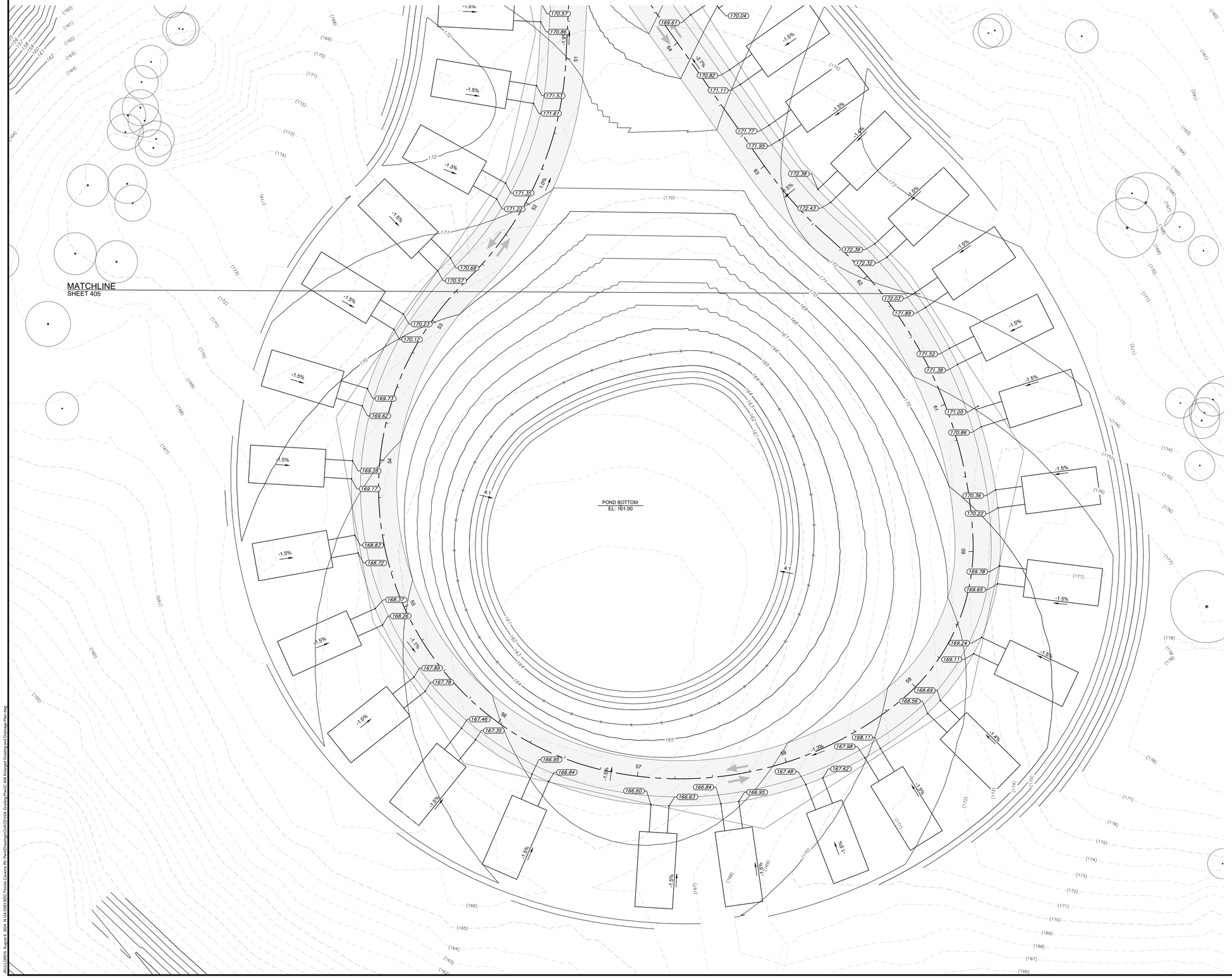
PROFESSIONAL REGISTRATION
ROBERT D. GEORGE LICENSE No 51940 STATE OF FLORIDA PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

FLORIDA CAVERNS STATE PARK

SHEET TITLE: ENLARGED GRADING AND DRAINAGE PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 405



SITE PLAN HATCH LEGEND

- PROPOSED STANDARD ASPHALT PAVING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE ADA ACCESS AREAS
- PROPOSED GRAVEL PAVING

LINE TYPE LEGEND

- (XX) EXISTING CONTOUR LINE
- XX PROPOSED CONTOUR LINE

SITE PLAN HATCH LEGEND

- EXISTING TREE

SYMBOL	REVISION	DATE
A		
B		

SYMBOL	REVISION	DATE
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction

3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

George & Associates
Consulting Engineers, Inc.
CERTIFICATE OF AUTHORIZATION FOR ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE 850-521-0344 - FAX 850-521-0345

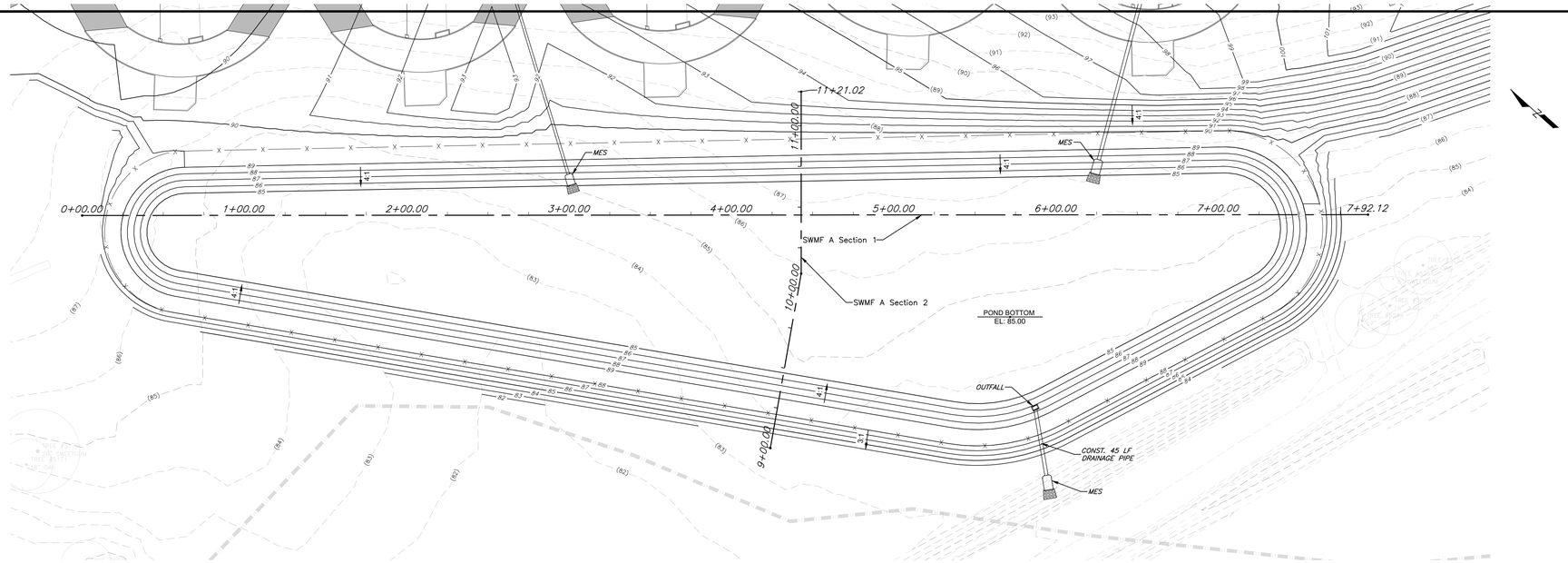
PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
No. 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

SHEET TITLE
FLORIDA CAVERNS STATE PARK
ENLARGED GRADING AND DRAINAGE PLAN

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 406

JKULGREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C\C406 Grading Plan\C 406 Enlarged Grading and Drainage Plan.dwg

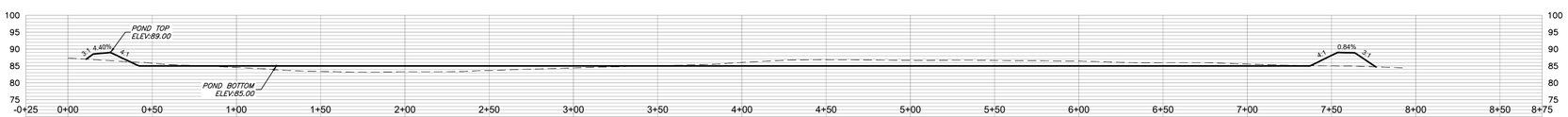


SWMF A PLAN AND PROFILE

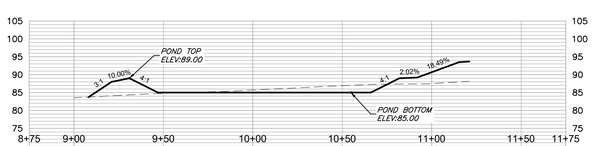
SCALE: 1" = 40'

0 .5 1

SCALE: 1" = 40'



SWMF A Section 1
Horiz. Scale: 1"=40' Vert. Scale: 1"=20'



SWMF A Section 2
Horiz. Scale: 1"=40' Vert. Scale: 1"=20'

SYMBOL	REVISION	DATE
A		
B		
C		
D		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

George & Associates
Consultants, Inc.
CIVIL ENGINEERING • SURVEYING • PROJECT MANAGEMENT
ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE: 850-521-0334 - FAX: 850-521-0335

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
LICENSED
No. 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

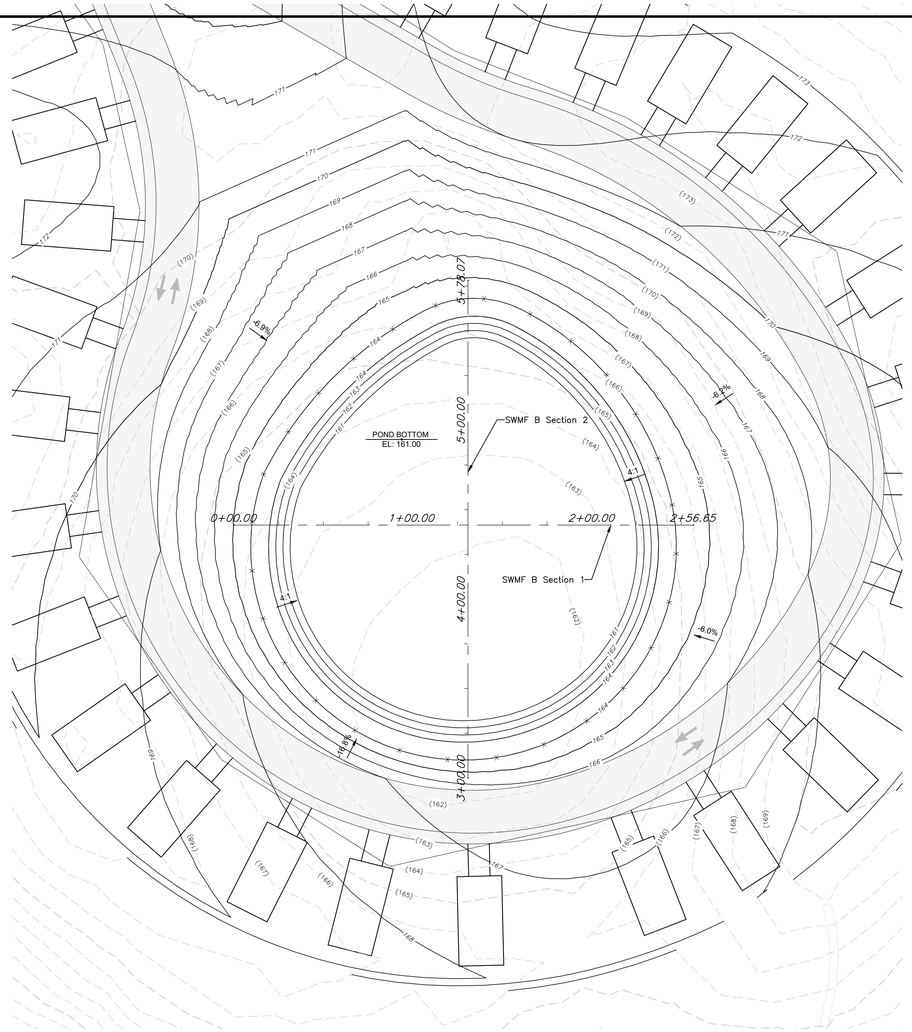
FLORIDA CAVERNS STATE PARK

SHEET TITLE
SWMF A PLAN AND PROFILE

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 407

JAKLLORENA March 8, 2021 - N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\Grading\Grading Plans\C-407 SWMF Plan and Profile.dwg

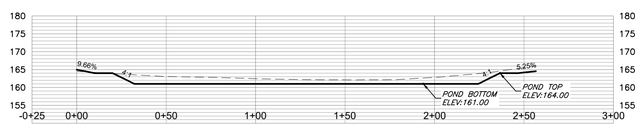


SWMF B PLAN AND PROFILE

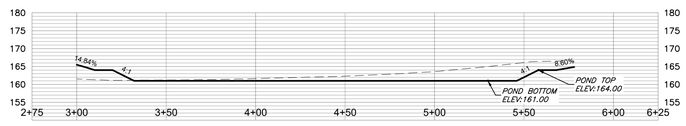
SCALE: 1" = 40'

0 .5 1

SCALE: 1" = 40'



SWMF B Section 1
Horiz. Scale: 1"=40' Vert. Scale: 1"=20'



SWMF B Section 2
Horiz. Scale: 1"=40' Vert. Scale: 1"=20'

SYMBOL	REVISION	DATE
A		
B		

SYMBOL	REVISION	DATE
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

George & Associates
Consulting Engineers, Inc.
CIVIL ENGINEERING • LAND SURVEYING • PROJECT MANAGEMENT • GIS/GPS
ENGINEERING BUSINESS NO. 3929
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE: 850-521-0344 - FAX: 850-521-0345

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
REGISTERED PROFESSIONAL ENGINEER
LICENSE No.51940
STATE OF FLORIDA
ROBERT D. GEORGE
State of Florida P.E. # 51940

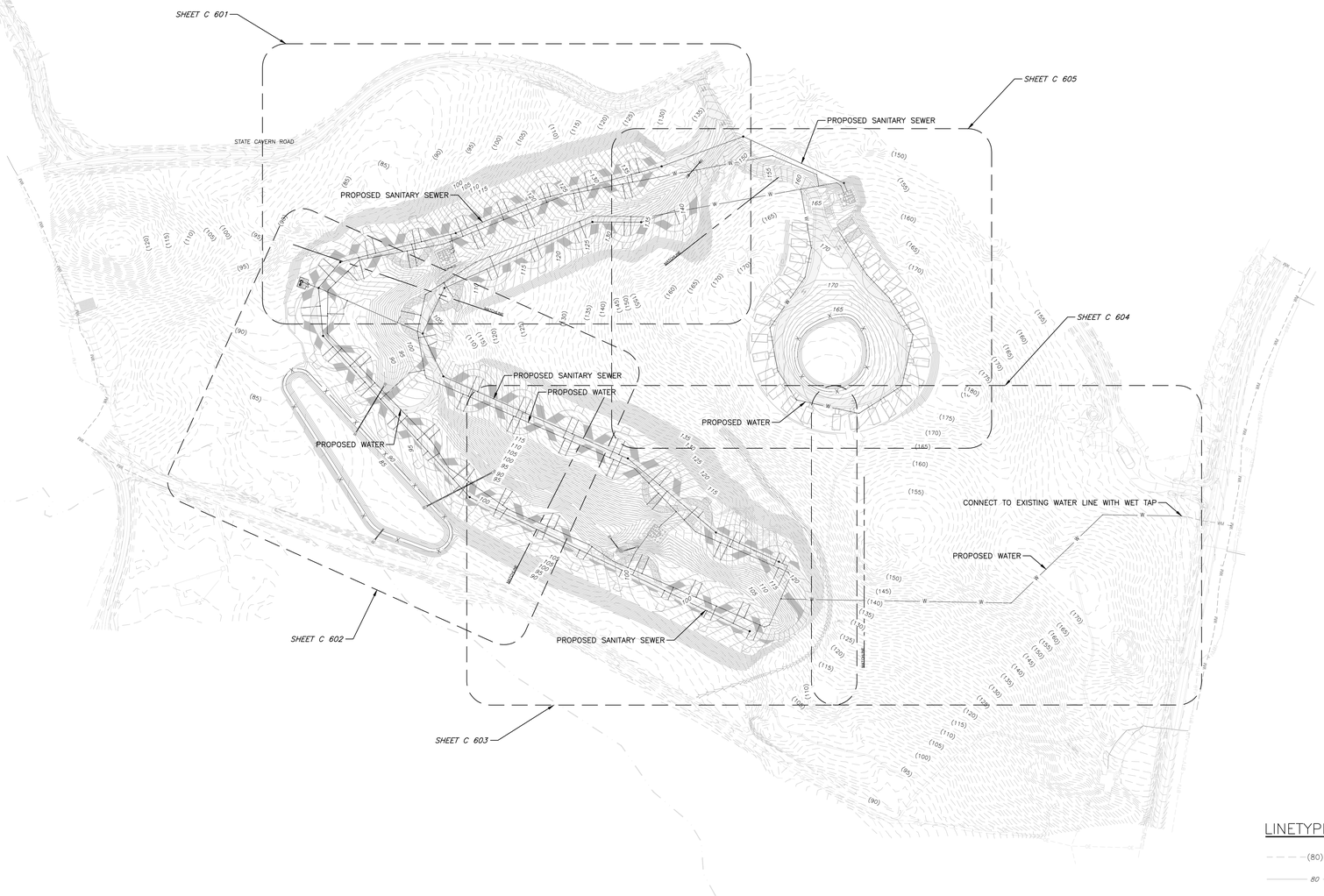
FLORIDA CAVERNS STATE PARK

SHEET TITLE: SWMF B PLAN AND PROFILE

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 408

JKULLGREN March 4, 2021 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\CD\V04 Grading Plans\C 407 SWMF Plan and Profile.dwg



UTILITY NOTES:

1. THIS SITE MAY CONTAIN EXISTING UTILITY LINES, UTILITY STRUCTURES AND MISCELLANEOUS UTILITY EQUIPMENT THAT MAY NOT HAVE BEEN SURVEYED AND IN CONFLICT WITH PROPOSED CONSTRUCTION. ALL UTILITIES MUST REMAIN IN OPERATION THROUGHOUT CONSTRUCTION ACTIVITIES FOR THIS PROJECT.EXISTING UTILITY LINES ARE TO REMAIN ACTIVE. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE DISRUPTION OF SERVICES IS MINIMIZED AND ALL ACTIVE SERVICES ARE RESTORED TO WORKING CONDITIONS. IF UTILITY OUTAGES ARE ANTICIPATED, THE CONTRACTOR MUST NOTIFY OWNER 14 DAYS IN ADVANCE.
2. ALL FIRE HYDRANT LOCATIONS TO BE APPROVED BY LOCAL FIRE DEPARTMENT. DEPTH OF FIRE MAIN PIPING SHALL BE 36" MINIMUM UNDER DRIVING SURFACES AND 30" MINIMUM UNDER NON-DRIVING SURFACES.
3. FIRE MAIN PIPING SHALL NOT BE COVERED UNTIL INSPECTED BY THE LOCAL FIRE DEPARTMENT.
4. FIRE HYDRANTS SHALL BE A MINIMUM OF 18" ABOVE GRADE MEASURED TO THE STEAMER NOZZLE.
5. STEAMER NOZZLE TO FACE ROADWAY OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY WHEN PLACED IN SERVICE.
6. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO THE CLOSEST POINT ON A BUILDING SHALL NOT EXCEED 400 FT. THE MAXIMUM DISTANCE BETWEEN FIRE HYDRANTS SHALL NOT EXCEED 500 FT.
7. HYDRANT FLOW TEST REQUIRED TO BE WITNESSED BY THE LOCAL FIRE DEPARTMENT.
8. LOCATION OF FIRE DEPARTMENT CONNECTIONS SHALL BE APPROVED BY THE LOCAL FIRE DEPARTMENT.
9. CLEARANCE OF 7.5' SHALL BE MAINTAINED TO THE FRONT AND SIDES AND 4' TO THE REAR OF ALL FIRE APPLIANCES (I.E., HYDRANTS, BACKFLOW PREVENTORS, POST INDICATOR VALVES, FIRE DEPARTMENT CONNECTIONS.
10. KEEP FIRE HYDRANTS OPERABLE AND ACCESSIBLE AT ALL TIMES. DO NOT PLACE EQUIPMENT OR MATERIALS WITHIN 15 FEET OF ANY FIRE HYDRANT. FIRE HYDRANTS TAKEN OUT-OF-SERVICE SHALL BE COVERED WITH BAGS, OR AS DIRECTED BY THE WATER UTILITY INSPECTOR, TO CLEARLY INDICATE THAT THE HYDRANT IS INOPERABLE. THE CONTRACTOR SHALL REPORT OUT OF SERVICE HYDRANTS TO THE CITY INSPECTOR FOR NOTIFICATION TO THE FIRE DEPARTMENT DISPATCH CENTER.
11. PRIOR TO ANY SCHEDULED INTERRUPTION OF WATER SERVICE, THE CONTRACTOR WILL COORDINATE SUCH INTERRUPTIONS WITH THE WATER UTILITY INSPECTOR AND WILL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT DOWN, A MINIMUM 24-HOUR NOTICE ALSO WILL BE PROVIDED TO THE LOCAL FIRE DEPARTMENT.
12. SEE MECHANICAL, ELECTRICAL, PLUMBING PLANS FOR FINAL UTILITY CONNECTIONS TO BUILDINGS. ADJUST SITE UTILITIES AS NECESSARY.
13. CONTACT THE LOCAL WATER WORKS DEPARTMENT PRIOR TO ANY WORK ON OR AROUND CITY WATER MAINS/ INFRASTRUCTURE.
14. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER(S) AND CIVIL ENGINEER FOR ANY AND ALL UTILITIES THAT MAY BE IN CONFLICT WITH PROPOSED CONSTRUCTION ACTIVITIES.
15. WHERE EXISTING ITEMS SUCH AS ASPHALT, CONCRETE CURB AND GUTTER, ETC. ARE SHOWN TO BE REMOVED. THESE ITEMS SHALL BE SAWCUT.
16. CONTRACTOR RESPONSIBLE FOR ADJUSTING ALL UTILITIES TO FINISH GRADE, INCLUDING BUT NOT LIMITED TO VALVES, VAULTS, FIRE APPARATUSES, ETC. ABOVE GROUND WATER VALVES, BFP, WATER METERS SHALL BE COVERED WITH FIBERGLASS INSULATED COVER OR ALTERNATE COVER AS REQUESTED BY OWNER.
17. CONTRACTOR RESPONSIBLE TO DEFLECT ANY UTILITIES NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
18. PRIOR TO ANY SCHEDULED INTERRUPTION OF WATER SERVICE, THE CONTRACTOR WILL COORDINATE SUCH INTERRUPTIONS WITH THE WATER UTILITY INSPECTOR AND WILL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT DOWN, A MINIMUM 24-HOUR NOTICE ALSO WILL BE PROVIDED TO THE LOCAL FIRE DEPARTMENT.
19. SEE MECHANICAL, ELECTRICAL, PLUMBING PLANS FOR FINAL UTILITY CONNECTIONS TO BUILDINGS. ADJUST SITE UTILITIES AS NECESSARY.
20. PROVIDE BACKFLOW PROTECTION PER RULES AND REGULATIONS FOR BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL, LATEST EDITION.
21. SUBMIT SHOP DRAWINGS SHOWING MANUFACTURERS' DRAWINGS AND SPECIFICATIONS INDICATING COMPLETE DETAIL OF ALL ITEMS. THE DETAIL SHALL INCLUDE MATERIAL SPECIFICATIONS, PRESSURE CLASS, CERTIFICATIONS, JOINT TYPES, GASKET INFORMATION, LININGS, COATINGS, INSTALLATION AND TESTING PROCEDURES AND OTHER PERTINENT INFORMATION NECESSARY TO ASSURE THAT PROPOSED MATERIALS COMPLY WITH ALL TECHNICAL SPECIFICATIONS. SHOP DRAWINGS ARE TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND SHIPMENT OF ITEMS.
22. A MINIMUM OF 1.5' OF CLEAR DISTANCE IS REQUIRED FROM EDGE OF PAVEMENT TO LIGHT POLES.
23. WATER AND SEWER SERVICES SHALL MAINTAIN 6' OF HORIZONTAL CLEARANCE.
24. SOD ALL DISTURBED AREAS UPON COMPLETION.

LINETYPE LEGEND

- EXISTING CONTOUR LINES
- PROPOSED CONTOUR LINES
- APPROXIMATE FEMA FLOOD LINE
- PROPOSED SANITARY SEWER
- PROPOSED WATER
- EXISTING WATER MAIN
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNKNOWN UTILITIES
- EXISTING GAS
- EXISTING FORCE MAIN
- EXISTING BURIED TV
- EXISTING WOODEN FENCE

HATCH LEGEND

- PROPOSED ASPHALT PAVING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE
- PROPOSED GRAVEL PAVING

SYMBOL LEGEND

- EXISTING TREE
- SITE BENCHMARK

0 50 100
SCALE: 1" = 200'

N

SYMBOL	REVISION	DATE
A		
B		

SYMBOL	REVISION	DATE
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: BDC
REVIEWED BY: RDG
Consultant :

George & Associates
Consulting Engineers, Inc.
CIVIL ENGINEERING • LAND SURVEYING • LAND USE
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PROFESSIONAL REGISTRATION
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No 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

SHEET TITLE: OVERALL UTILITY PLAN

PROJECT TITLE: FLORIDA CAVERNS STATE PARK
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 500

JKULLGREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C2\v06 Overall Utility Plan\C 600 Overall Utility Plan.dwg

LINETYPE LEGEND

- (80) EXISTING CONTOUR LINES
- 80 PROPOSED CONTOUR LINES
- PROPOSED SANITARY SEWER
- W PROPOSED WATER

HATCH LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE
- PROPOSED GRAVEL

SYMBOL LEGEND

- EXISTING TREE
- SITE BENCHMARK

0 .5 1
SCALE: 1" = 50'

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
A			C		
B			D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

DESIGNER : RDN
DRAWN BY: BDC
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ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

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State of Florida P.E. # 51940

SHEET TITLE
FLORIDA CAVERNS STATE PARK
ENLARGED UTILITY PLAN

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 501

JGILLGREN August 8, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C501 Overall Utility Plan\C-501 Enlarged Utility Plan.dwg

LINETYPE LEGEND

- (80) EXISTING CONTOUR LINES
- 80 PROPOSED CONTOUR LINES
- PROPOSED SANITARY SEWER
- W PROPOSED WATER
- OE EXISTING OVERHEAD ELECTRIC
- APPROXIMATE FEMA FLOOD LINE

HATCH LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE
- PROPOSED GRAVEL

SYMBOL LEGEND

- EXISTING TREE
- SITE BENCHMARK

SCALE: 1" = 50'

SYMBOL	REVISION	DATE
A		
B		
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

DESIGNER : RDN
DRAWN BY: BDC
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COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

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SHEET TITLE: FLORIDA CAVERNS STATE PARK

ENLARGED UTILITY PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 502

JKOLLGREN August 6, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C\V\V06 Overall Utility Plan\C 502 Enlarged Utility Plan.dwg

LINETYPE LEGEND

- (80) EXISTING CONTOUR LINES
- 80 PROPOSED CONTOUR LINES
- PROPOSED SANITARY SEWER
- W PROPOSED WATER
- OE EXISTING OVERHEAD ELECTRIC
- APPROXIMATE FEMA FLOOD LINE

HATCH LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE
- PROPOSED GRAVEL

SYMBOL LEGEND

- EXISTING TREE
- SITE BENCHMARK

N

0 .5 1

SCALE: 1" = 50'

SYMBOL	REVISION	DATE
A		
B		
C		
D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

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ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

PROFESSIONAL REGISTRATION
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State of Florida P.E. # 51940

FLORIDA CAVERNS STATE PARK

SHEET TITLE: ENLARGED UTILITY PLAN

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO. C 503

JKOLLGREN, August 8, 2024, N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C03 V06 Overall Utility Plan\C 503 Enlarged Utility Plan.dwg

LINETYPE LEGEND

- (80) EXISTING CONTOUR LINES
- 80 PROPOSED CONTOUR LINES
- PROPOSED SANITARY SEWER
- W PROPOSED WATER
- WM EXISTING WATER MAIN
- OE EXISTING OVERHEAD ELECTRIC
- G EXISTING GAS
- FM EXISTING FORCE MAIN
- BTV EXISTING BURIED TV
- EXISTING WOODEN FENCE

HATCH LEGEND

- PROPOSED ASPHALT PAVING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE
- PROPOSED GRAVEL PAVING

SYMBOL LEGEND

- EXISTING TREE
- SITE BENCHMARK

SYMBOL	REVISION	DATE	SYMBOL	REVISION	DATE
A			C		
B			D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

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STATE PROJECT No.: 61351C

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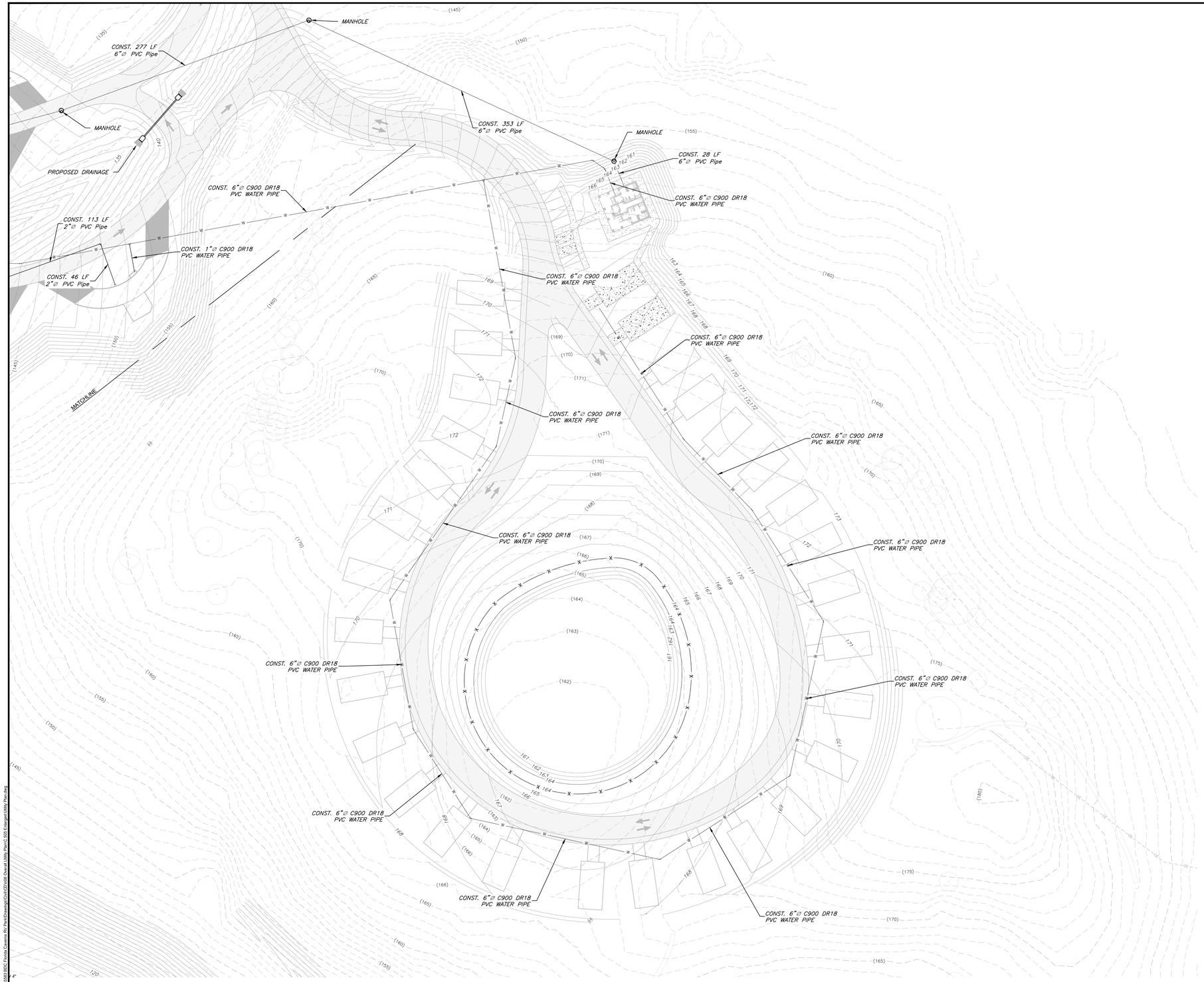
FLORIDA CAVERNS STATE PARK

SHEET TITLE
ENLARGED UTILITY PLAN

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 504

JKULGREN August 9, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C504 Overall Utility Plan\C-505 Enlarged Utility Plan.dwg



LINETYPE LEGEND

- (80) EXISTING CONTOUR LINES
- 80 PROPOSED CONTOUR LINES
- PROPOSED SANITARY SEWER
- W PROPOSED WATER
- OE EXISTING OVERHEAD ELECTRIC

HATCH LEGEND

- PROPOSED ASPHALT PAVING
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE
- PROPOSED GRAVEL PAVING

SYMBOL LEGEND

- EXISTING TREE
- SITE BENCHMARK

N

0 .5 1

SCALE: 1" = 50'

SYMBOL	REVISION	DATE
A		
B		
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D		

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

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ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

PROFESSIONAL REGISTRATION
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ROBERT D. GEORGE
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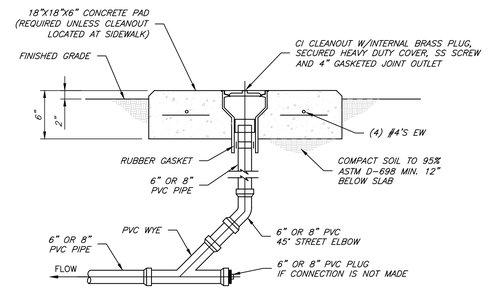
FLORIDA CAVERNS STATE PARK

SHEET TITLE
ENLARGED UTILITY PLAN

PROJECT TITLE
BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 505

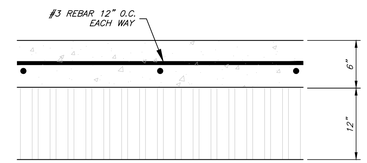
JAX:LORDN August 9, 2024 N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C505 Overall Utility Plan\C-505 Enlarged Utility Plan.dwg



NOTE:
CLEANOUT REQUIRED AT EACH CHANGE OF DIRECTION GREATER THAN 45° AND AT MAX. SPACING OF 75 FT.
EXCAVATION, PIPE INSTALLATION, BACKFILLING, AND COMPACTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT PLANS AND SPECIFICATIONS.

TYPICAL CLEAN OUT

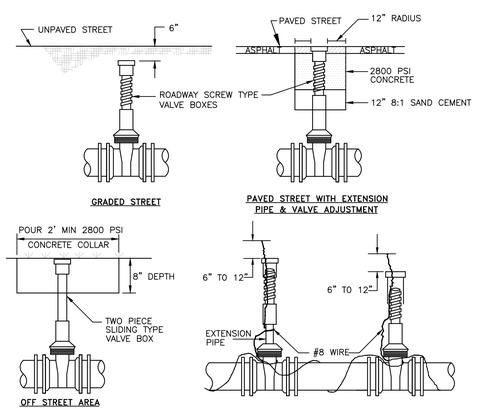
SCALE: NTS



6" 3000 psi STRUCTURAL REINFORCED CONCRETE IN ACCORDANCE WITH FDOT SPECIFICATIONS CHAPTER 346
SUBGRADE – 12" TYPE B STABILIZATION

REINFORCED CONCRETE PAVING DETAIL

SCALE: NTS

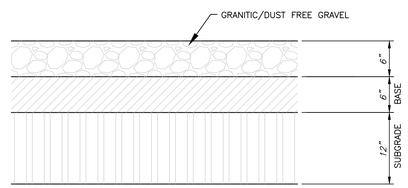


NOTES:

1. FOR NEW CONSTRUCTION, CONSTRUCT VALVE WITH TOP 12 INCHES BELOW PROPOSED STREET GRADE. AFTER FINAL PAVING, CUT SMOOTH, CIRCULAR HOLE AROUND VALVE AND ADJUST TO FLUSH WITH FINISH PAVEMENT. BACKFILL AS SHOWN ABOVE, AND SMOOTH TO MATCH EXISTING GRADE.
2. FOLLOW SIMILAR PROCEDURE FOR VALVE ADJUSTMENT AFTER CONSTRUCTION IN EXISTING STREET PAVEMENT OF RESURFACING.
3. CONCRETE CRADLE REQUIRED ON 16" AND LARGER VALVES.
4. AT NO TIME IS VALVE BOX OR EXTENSION ADJUSTMENT PIPE TO TOUCH BONNET OR BODY OF VALVE.
5. EXTENSION PIPE TO BE 6 INCH C-900 PVC, DR 18.
6. WIRE SHALL NOT BE WRAPPED AROUND OPERATING NUT OR STEM FOR ANY REASON.
7. ON VALVES HAVING EXTENSION PIPE THE WIRE SHOULD COME UP OUTSIDE THE EXTENSION AND IN AT BOTTOM OF BOX ASSEMBLY.
8. FOR VALVE BOX WITHOUT EXTENSIONS THE WIRE SHOULD COME BETWEEN THE TOP AND BOTTOM THROUGH THREADED SECTION.

TYPICAL VALVE WIRING DETAIL

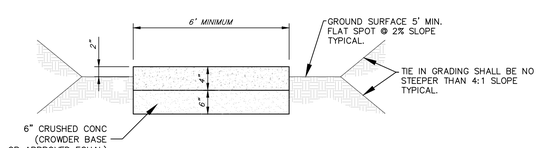
SCALE: NTS



SURFACE COURSE – GRAVEL
BASE COURSE – LIMEROCK (6" COMPACTED THICKNESS) WITH PRIME COAT
SUBGRADE – TYPE B STABILIZATION

TYPICAL GRAVEL PAVEMENT SECTION

SCALE: NTS



TYPICAL 4" CONCRETE SIDEWALK

SCALE: NTS

NOTE:
CONSTRUCT 4" THICK CONCRETE SIDEWALK IN ACCORDANCE WITH FDOT INDEX LATEST EDITION

SYMBOL	REVISION	DATE
A		
B		

SYMBOL	REVISION	DATE
C		
D		

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: CFI
REVIEWED BY: RDG
Consultant :

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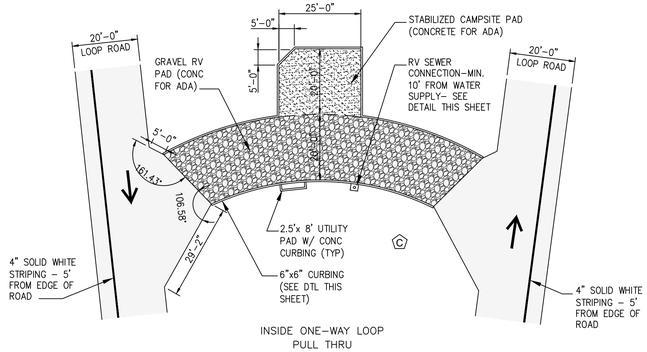
FLORIDA CAVERNS STATE PARK

SHEET TITLE: DETAILS

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

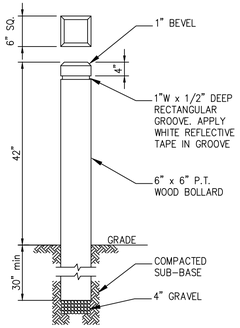
SHEET NO.
C 600

JAXLLC0R3N August 8, 2024 24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C01x01 Details\C-601 Camp Site Details.dwg



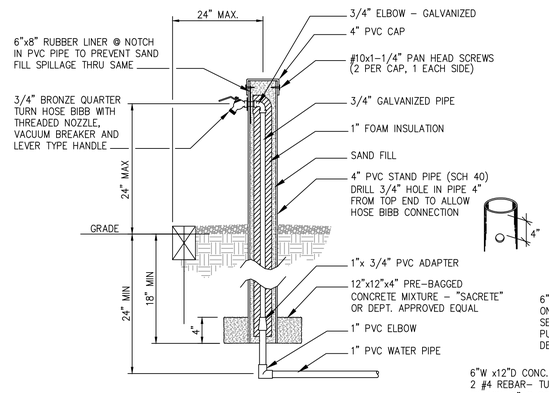
CAMPSITE PLANS

NTS



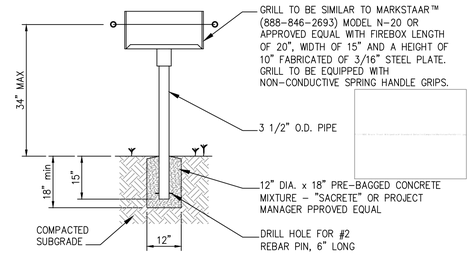
WOOD BOLLARD

NTS



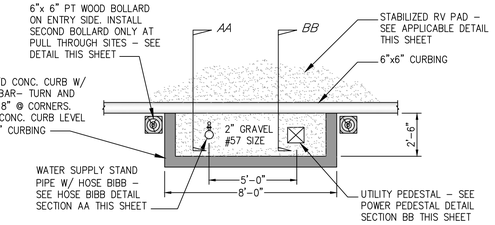
HOSE BIBB

NTS Utility Pad Detail – Section 'AA'



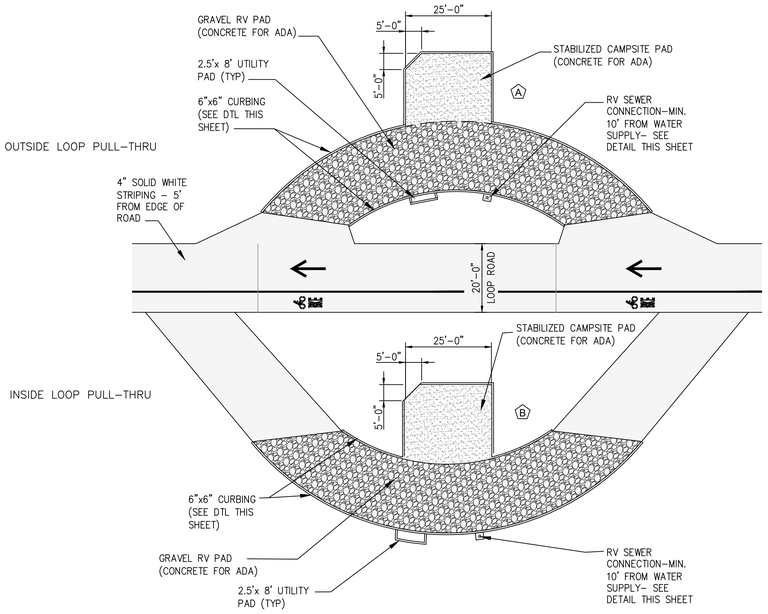
BAR-B-QUE GRILL

NTS



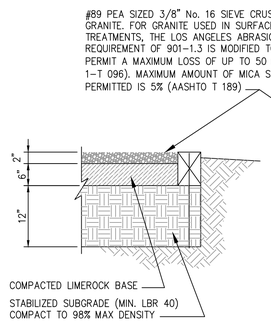
UTILITY PAD

NTS

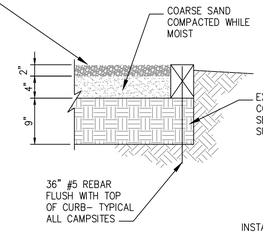


CAMPSITE PLANS

NTS



RV PAD



CAMP SITE PAD

CAMPSITE SURFACE NOTES

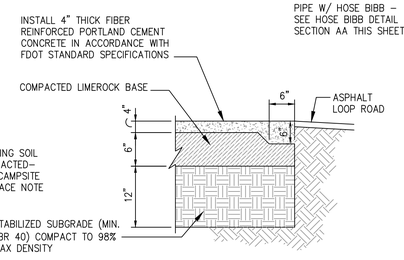
COMPACT THE EXISTING SOILS UNTIL A DENSITY OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY IS ACHIEVED TO DEPTH AS INDICATED BELOW EXISTING GROUND SURFACE. A VIBRATORY ROLLER IS RECOMMENDED FOR COMPACTION

CAMPSITE CURBING NOTE

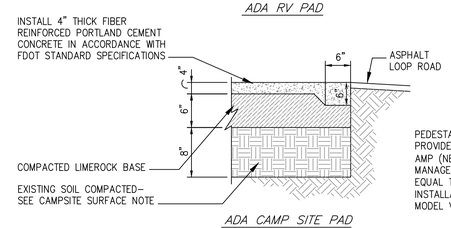
ALL CURBING EXCEPT WHERE OTHERWISE SPECIFIED SHALL BE 6"x6" TREATED TIMBER OR COMPOSITE LUMBER. HOLLOW COMPOSITES WILL REQUIRE REBAR TO BE INSTALLED AT AN ANGLE TO PREVENT CURB FROM RISING. ALL CURBING CORNERS AND JOINTS MUST BE SECURED WITH CONCEALED OR COUNTER-SUNK LAG SCREWS TO MAINTAIN A NEAT AND FLUSH JOINT APPEARANCE. SUBMIT RECOMMENDATION TO PROJECT MANAGER FOR APPROVAL.

RV AND CAMPSITE PAD CONSTRUCTION

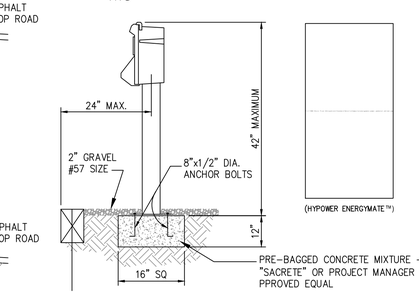
NTS



ADA RV PAD



ADA CAMP SITE PAD

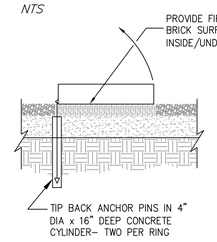


PEDESTALS SHALL BE POLYCARBONATE HOUSINGS PROVIDED WITH ONE 30 AMP, ONE 50 AMP, AND ONE 20 AMP (NEMA 14-50R) WITH GFI PROTECTION. WITH PROJECT MANAGERS APPROVAL, COASTAL INSTALLATIONS SHALL BE EQUAL TO HYPOWER ENERGYMATE™, AND INLAND INSTALLATIONS SHALL BE EQUAL TO MIDWEST PARKMATE™ MODEL VPKJHAAT.

NOTE:
HYPOWER MODEL CAN ONLY ACCOMMODATE UP TO A 1/0 WIRE SIZE

POWER PEDESTAL

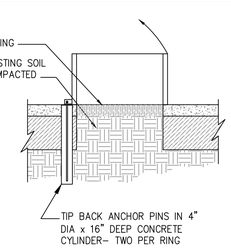
NTS Utility Pad Detail – Section 'BB'



TYPICAL FIRE RING SHALL BE SIMILAR TO BELSON MODEL FR-30-GNG (OR APPROVED EQUAL) WITH MIN 3/16" STEEL PLATE, 7" HEIGHT x 30" DIAMETER

BELSON OUTDOORS™ : (1-800-323-5664)

CAMP SITE PAD

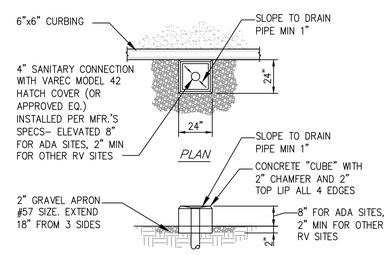


ADA FIRE RING SHALL BE SIMILAR TO BELSON FR-3018DW-S-TB (OR APPROVED EQUAL) WITH DUAL RING CONSTRUCTION, 17-3/8" HEIGHT x 26-3/8" DIAMETER. LOG GRATE HINGED TO INNER RING TO SIMPLIFY CLEANOUT. AGGREGATE FILL NOT REQUIRED.

ADA CAMP SITE PAD

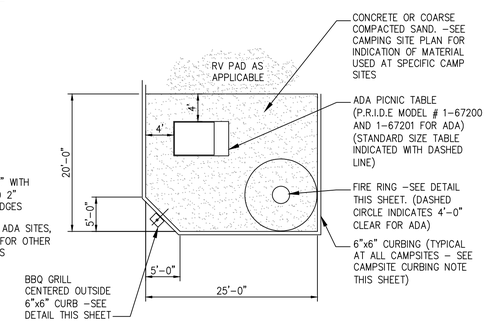
FIRE RING

NTS



RV SEWER CONNECTION

NTS



TYPICAL CAMPING PAD LAYOUT

NTS

SYMBOL	DATE	REVISION	SYMBOL	DATE	REVISION	DATE
			C			
			D			

Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3900 Commonwealth Boulevard, Tallahassee, FL 32399 (850) 245-2157

ISSUE DATE: 08/09/2024
COMP. FILE No.: 24-5583
STATE PROJECT No.: 61351C

DESIGNER : RDN
DRAWN BY: JAK
REVIEWED BY: RDG
Consultant :

George & Associates Consulting Engineers, Inc.
CERTIFICATE OF AUTHORIZATION FOR ENGINEERING SERVICES NO. 2029
1567 Commonwealth Lane, Suite 200, Tallahassee, FL 32303
PHONE: 850-521-0344 - FAX: 850-521-0345

PROFESSIONAL REGISTRATION
ROBERT D. GEORGE
LICENSE No 51940
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ROBERT D. GEORGE
State of Florida P.E. # 51940

FLORIDA CAVERNS STATE PARK

SHEET TITLE: CAMP SITE DETAILS

PROJECT TITLE: BDC FLORIDA CAVERNS RV PARK

SHEET NO.
C 601

JKELLGREN, August 8, 2024, N:\24-5583 BDC Florida Caverns RV Park\Drawings\Civil\C601 Details\C-601 Camp Site Details.dwg