Gravel Mitigation Ha Ha Tonka State Park

Camdenton, Missouri

F3

OWNER:

STATE OF MISSOURI

MICHAEL L. PARSON,

GOVERNOR

DEPARTMENT NATURAL RESOURCES

DIVISION OF STATE PARKS

PROJECT

OFFICE OF ADMINISTRATION

DIVISION OF FACILITIES MANAGEMENT, MANAGEMENT:

DESIGN AND CONSTRUCTION



DESIGNER:

HDR Engineering

PROJECT NUMBER: X2116-01

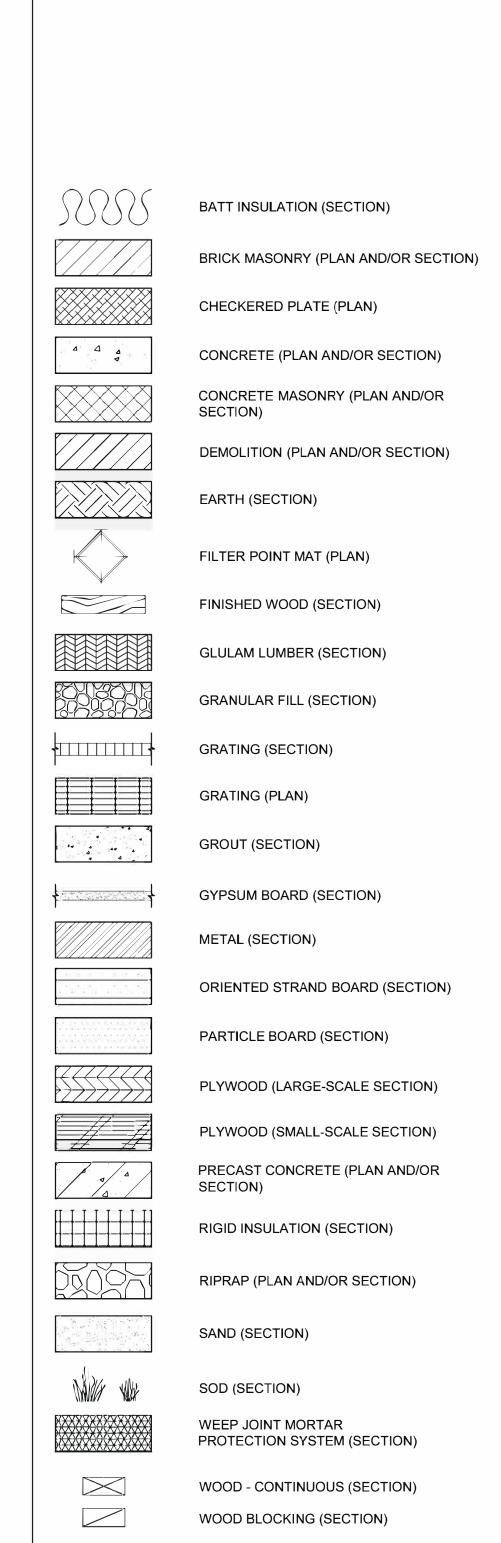
SITE NUMBER: ASSET NUMBER: 5304

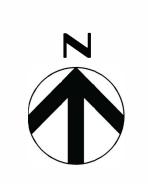
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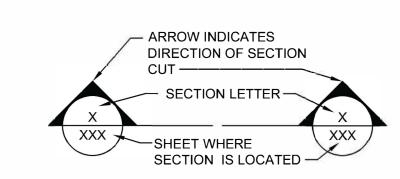




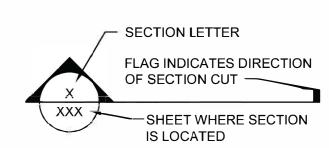


NORTH ARROW

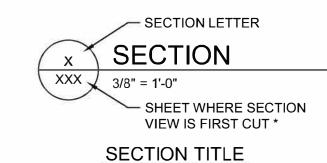




FULL BUILDING SECTION CUT MARKER



SECTION CUT MARKER

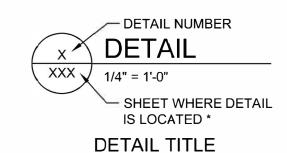


— DETAIL NUMBER XXX 🖈 - SHEET WHERE DETAIL IS LOCATED *

DETAIL MARKER FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.

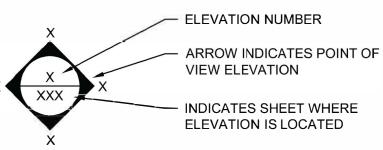
(XXXXXX)

DETAIL MARKER FOR REFERENCING DETAILS BOUND IN SPECIFICATIONS OR SEPARATE VOLUME.

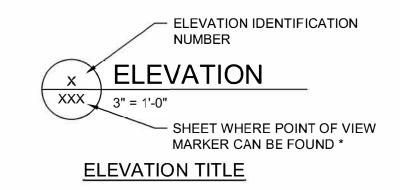


* EXCEPTIONS WHERE THE SHEET NUMBER IS REPLACED BY A DASH (-). 1) FOR COMMON DETAILS, SECTIONS, ELEVATIONS OR DETAILS THAT

ARE CUT OR CALLED OUT ON MULTIPLE SHEETS. 2) SECTIONS, ELEVATIONS OR DETAILS THAT ARE LOCATED ON THE SAME SHEET THEY ARE CUT OR CALLED OUT ON.



MULTIPLE ELEVATION OR PHOTO MARKER



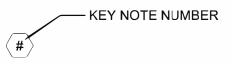


ARCHITECTURAL

20 0	
ROOM NAME XX-XX	ROOM NUMBER
$(X \times X)$	DOOR NUMBER
A	COLUMN GRID LINE
X	WALL TYPE
⟨x⟩	WINDOW TYPE
X	LOUVER

ACCESSORY, FURNITURE, AND MISCELLANEOUS **EQUIPMENT IDENTIFIER**

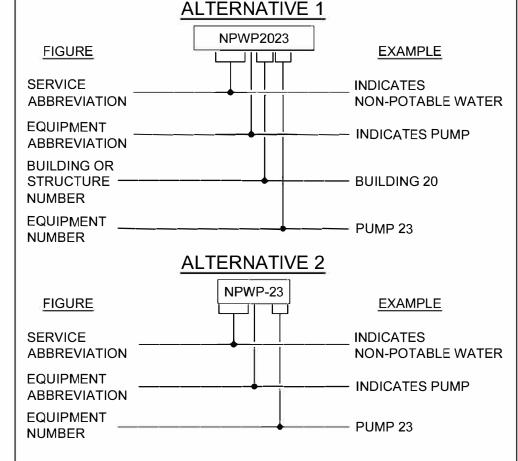
KEY NOTE DESIGNATION



GENERAL LINE SYMBOLOGY

4-HOUR FIRE RATED WALL
3-HOUR FIRE RATED WALL
2-HOUR FIRE RATED WALL
1-HOUR FIRE RATED WALL
 COLUMN GRID LINE/CENTERLINE

EQUIPMENT IDENTIFICATION



GENERAL NOTES:

USED ON THIS PROJECT.

1. THIS IS A STANDARD SHEET SHOWING COMMON

2. SCREENING OR SHADING OF WORK IS USED TO

DE-EMPHASIZE PROPOSED IMPROVEMENTS TO

HIGHLIGHT SELECTED TRADE WORK. REFER TO

INDICATE EXISTING COMPONENTS OR TO

CONTEXT OF EACH SHEET FOR USAGE.

SYMBOLOGY. ALL SYMBOLS ARE NOT NECESSARILY

INDEX OF SHEETS Sheet # | Count | Date G-001 1 OF 9 Oet-2 itle Sheet G-002 2 OF 9 Oet-2 G-003 3 OF 9 Oet-2 G-004 | 4 OF 9 | Oet-2 ivil Legend C-101 | 5 OF 9 | Oet-2 Overall Site Plan kisting Site Features and Water Depths | C-102 | 6 OF 9 | Oet-2 C-103 7 OF 9 Oet-2 Site Grading Plan C-501 | 8 OF 9 | Oet-2 Civil Sections & Details C-502 9 OF 9 0et-22 Civil Sections & Details

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

Gravel Mitigation Ha Ha Tonka State Park 1491 State Road D Camdenton, Missouri 65020

PROJECT # X2116-01 5304 SITE# ASSET# 7815304026

REVISION:	
DATE:	
REVISION:	
DATE:	
REVISION:	
DATE:	
ISSUE DATE:	

CAD DWG FILE DRAWN BY: CHECKED BY: **DESIGNED BY:**

SHEET TITLE:

GENERAL LEGEND

SHEET NUMBER:

2 OF 9 SHEETS

10/20/2022

A/C	AIR CONDITIONING	CLKG	CAULKING	F TO F	FACE TO FACE	ID	INSIDE DIAMETER. INTERIOR DIMENSION	l N	NORTH, NEUTRAL	R&R	REMOVE AND REPLACE	ТОВ	TOP OF BOLT, TOP OF BANK,
A/E	ARCHITECT/ENGINEER	CLR	CLEAR	F&B	FACE AND BYPASS	IE	INVERT ELEVATION, FOR EXAMPLE	NA	NOT APPLICABLE	R&S	REMOVE AND SALVAGE		TOP OF BEAM, TOP OF BERM
A AB	AMPERE ANCHOR BOLT	CMH CMP	COMMUNICATION MANHOLE CORRUGATED METAL PIPE	FAB FB	FABRICATE FLOOR BEAM	IF IH	INSIDE FACE	NAT NC	NATURAL, NATIONAL NORMALLY CLOSED	R R∆	RADIUS, REGISTER, RISER RETURN AIR	TOC	TOP OF CURB, TOP OF CONCRETE
ABAN	ANCHOR BOLT ABANDON	CMU	CONCRETE MASONRY UNIT	FBD	FIBERBOARD	IH IMP	INTAKE HOOD IMPACT	NEG	NEGATIVE	I RA	RESILIENT BASE. ROCK BERM	TOD TOF	TOP OF DUCT TOP OF FOOTING
ABC	AGGREGATE BASE COURSE	СО	CLEANOUT, CONCRETE OPENING	FBG	FIBERGLASS	IN	INCH	NF	NEAR FACE, NON-FUSED	RCPT	RECEPTACLE	TOG	TOP OF GRATING
ABT	ABOUT	COL	COLUMN	FBM	BOARD FOOT MEASURE	INC	INCLUDE, INCANDESCENT	NIC	NOT IN CONTRACT	RD	ROOF DRAIN	TOL	TOLERANCE, TOP OF LEDGER
AC ACK	ALTERNATING CURRENT ACKNOWLEDGE	COM COMB	COMMON COMBINATION	FBO FC	FURNISHED BY OWNER FLUSHING CONNECTION	INF INSTR	INFLUENT INSTRUMENTATION	NO NOM	NORMALLY OPEN, NUMBER NOMINAL	REC RECD	RECESS RECEIVED	TOM TOP	TOP OF MASONRY TOP OF PLATE
ACP	ACOUSTIC CEILING PANEL,	COMM	COMMUNICATION	FCA	FLANGED COUPLING ADAPTER	INSUL	INSULATION	NPS	NOMINAL PIPE SIZE	RECT	RECTANGULAR	TOPO	TOPOGRAPHY
	ASPHALTIC CONCRETE PAVEMENT	COMP	COMPOSITION, COMPRESSIBLE, COMPOSITE	FD	FLOOR DRAIN	INT	INTERIOR, INTERSECTION	NPT	NATIONAL PIPE THREAD	RED	REDUCER	TOS	TOP OF SLAB, TOP OF STEEL,
ACST	ACOUSTIC	CON	CONCENTRIC	FDC	FLEXIBLE DUCT CONNECTION	INTR	INTERMEDIATE, INTERIOR	NS	NEAR SIDE	REF	REFERENCE REINFORCING	TOW	TOE OF SLOPE TOP OF WALL
AD ADDL	ADDENDUM, AREA DRAIN ADDITIONAL	CONC	CONCRETE CONNECTION	FDR FDTN	FEEDER FOUNDATION	INV IPS	INVERT IRON PIPE SIZE	NTS NWL	NOT TO SCALE NORMAL WATER LEVEL	REINF REM	REMOVE	TOW	TOP OF WALL TOILET PARTITION, TELEPHONE POLE,
ADH	ADHESIVE	CONST	CONSTRUCTION	FE	FLANGED END	IPT	INTERNAL PIPE THREAD		TOTAL WITTER ELVEL	REQD	REQUIRED	"	TOE PLATE, TRAP PRIMER
ADJ	ADJUSTABLE, ADJACENT	CONT	CONTINUOUS	FEC	FIRE EXTINGUISHER CABINET	IR	INSIDE RADIUS, IRON ROD	ОТОО	OUT TO OUT	RESIL	RESILIENT	TPD	TOILET PAPER DISPENSER
AF AFF	AMP FRAME, AMP FUSE ABOVE FINISH FLOOR	COOR CORR	COORDINATE CORROSIVE, CORRUGATED	FES FEXT	FLARED END SECTION FIRE EXTINGUISHER	IRR ISO	IRRIGATION ISOMETRIC	OA OC	OUTSIDE AIR, OVERALL ON CENTER	RET REV	RETAINING, RETURN REVISION. REVERSE	TPG TR	TOPPING, THROUGH PLATE GIRDER TRANSOM
AFG	ABOVE FINISH GRADE	CP	CHECKER PLATE, CONTROL POINT	FF	FAR FACE, FACTORY FINISH, FLAT FACE	130	ISOMETRIC	OCPD	OVER CURRENT PROTECTION DEVICE	RF	RESILIENT FLOORING	TRANS	TRANSITION
AGGR	AGGREGATE	CPLG	COUPLING	FG	FINISHED GRADE	JB	JUNCTION BOX	OD	OUTSIDE DIAMETER	RFG	ROOFING	TRD	TRENCH DRAIN
AI	AREA INLET, ANALOG INPUT AMPS INTERRUPTING CAPACITY	CRL	CORROSION-RESISTANT LINING	FH FIG	FIRE HYDRANT	JCT JF	JUNCTION	OED OF	OPEN END DUCT	RFL	REFLECTED, REFLECTOR	TYP	TYPICAL
AIC ALIG	ALIGNMENT	CSC CSK	COMPRESSION SLEEVE COUPLING COUNTERSINK	FIN	FIGURE FINISH	JST	JOINT FILLER JOIST	OFCI	OUTSIDE FACE, OFFICE FURNISHING OWNER FURNISHED CONTRACTOR	RGH RGS	ROUGH RIGID GALVANIZED STEEL	l u	URINAL
ALT	ALTERNATE, ALTITUDE	CSS	CLINIC SERVICE SINK	FJT	FLUSH JOINT	JT	JOINT		INSTALLED	RH	RELIEF HOOD, RIGHT HAND,	ÜG	UNDERGROUND
ALUM	ALUMINUM	CT	CERAMIC TILE	FL	FLOW, FLOW LINE	1		OFOI	OWNER FURNISHED OWNER INSTALLED	l	RELATIVE HUMIDITY	ULT	ULTIMATE
AM AMB	ACOUSTICAL MATERIAL AMBIENT	CTJ CTR	CONTRACTION JOINT CENTER	FLEX FLG	FLEXIBLE FLANGE	K	KIP KNEE BRACE	OG	ORIGINAL GROUND OVERHEAD	RL RLFA	REQUIRED LAP RELIEF AIR	UNFN UNO	UNFINISHED UNLESS NOTED OTHERWISE
ANC	ANCHOR	CTRL	CONTROL	FLOR	FLUORESCENT	KCMIL	THOUSAND CIRCULAR MILS	OPNG	OPENING	RND	ROUND	UTIL	UTILITY
AO	ANALOG OUTPUT	CVT	CULVERT	FLR	FLOOR	KD	KNOCK DOWN	OPP	OPPOSITE	RNG	RUNNING		
AP	ACCESS PANEL	CU	COPPER, CUBIC	FLS	FLASHING, FLUSH	KO	KNOCK OUT	OPT	OPTIONAL	RO	ROUGH OPENING RIGHT-OF-WAY	V	VENT, VELOCITY, VOLT
APRX APVD	APPROXIMATE APPROVED	CW	CLOCKWISE CUBIC YARD	FN FO	FENCE FINISHED OPENING, FIBER OPTIC	KSI KW	KIPS PER SQUARE INCH KILOWATT	OR ORD	OUTSIDE RADIUS OVERFLOW ROOF DRAIN	ROW	RIGHT-OF-WAY REVOLUTIONS PER MINUTE	VA VAC	VOLT AMPERE VACUUM
ARCH	ARCHITECTURAL	"		FOB	FLAT ON BOTTOM			ORIG	ORIGINAL	RR	RAILROAD	VAR	VARNISH, VARIABLE,
ASSY	ASSEMBLY	d	PENNY (NAIL MEASURE)	FOC	FACE OF CONCRETE, FACE OF CURB	L	ANGLE, LENGTH, LAVATORY, LINTEL	OVFL	OVERFLOW	RSP	ROCK SLOPE PROTECTION		VOLT AMPERES REACTIVE
AT ATC	ACOUSTICAL TILE, AMP TRIP ACOUSTICAL TILE CEILING	D DB	DEEP, DIFFUSER, DRAIN DUCT BANK, DECIBEL, DRY BULB	FOF FOM	FACE OF FINISH FACE OF MASONRY	LAD LAM	LADDER LAMINATE	OVHG OZ	OVERHANG OUNCE	RT RVT	RIGHT RESILIENT VINYL TILE	VB	VAPOR BARRIER, VINYL BASE, VALVE BOX
ATM	ACOUSTICAL TILE CEILING ATMOSPHERE	DBA	DEFORMED BAR ANCHOR	FOS	FACE OF MASONRY FACE OF STUDS	LATL	LAMINATE LATERAL	52	CONOL	RY	RESILIENT VINYL TILE READY	vc	VALVE BOX VERTICAL CURVE
AUTO	AUTOMATIC	DBL	DOUBLE	FOT	FLAT ON TOP	LB	LAG BOLT, POUND	P	PAINT			VCP	VITRIFIED CLAY PIPE
AUX	AUXILIARY	DC	DIRECT CURRENT	FPT	FEMALE PIPE THREAD	LCTB	LIQUID CHALK AND TACK BOARD	PA	PUBLIC ADDRESS	S	SOUTH, SINK	VCT	VINYL COMPOSITION TILE,
AVE AVG	AVENUE AVERAGE	DEG DEG C	DEGREE DEGREE CENTIGRADE	FR FRP	FRAME FIBERGLASS REINFORCED PLASTIC	LDG LDR	LANDING LEADER	PAR PB	PARALLEL, PARAPET PANIC BAR, PULL BOX	SA SAMU	SUPPLY AIR SOUND-ABSORBING MASONRY UNIT	VEL	VERTICAL CENTERLINE VELOCITY
AWG	AMERICAN WIRE GAGE	DEG F	DEGREE FAHRENHEIT	FRTM	FIRE RETARDANT TREATED MATERIAL	LE	LIFTING EYE	PBD	PARTICLE BOARD	SAN	SANITARY	VENT	VENTILATION
AWT	ACOUSTICAL WALL TILE	DEMO	DEMOLITION	FS	FLOOR SINK, FAR SIDE	LF	LINEAR FOOT	PC	POINT OF CURVE, PIECE, PRECAST	SB	SPLASH BLOCK	VERT	VERTICAL
ВТОВ	BACK TO BACK	DEP DEPT	DEPRESSED DEPARTMENT	FT FTG	FEET, FOOT FOOTING, FITTING	LG LH	LONG LEFT HAND	PCC PCF	POINT OF COMPOUND CURVATURE POUNDS PER CUBIC FOOT	SC SCH	SOLID CORE SCHEDULE	VERTS VG	VERTICAL REINFORCING VERTICAL GRAIN
BAL	BALANCE	DET	DETAIL	FUR	FURRED, FURRING	LIN	LINEAR	PCT	PERCENT	SCHEM	SCHEMATIC	VIF	VERIFY IN FIELD
BBD	BULLETIN BOARD	DI	DROP INLET, DUCTILE IRON, DIGITAL INPUT	FURN	FURNITURE, FURNISH	LIQ	LIQUID	PE	PLAIN END	SCN	SCREEN	VIN	VINYL
BC	BASE CABINET, BOTTOM CHORD,	DIA	DIAMETER	FUT FV	FUTURE FACE VELOCITY	LLH	LONG LEG HORIZONTAL	PED	PEDESTAL PENETRATION	SE SEC	STEEL/ALUMINUM EDGE SECONDARY, SECONDS	VOL VPC	VOLUME
_{BD}	BOLT CENTER, BOLT CIRCLE BOARD	DIAG DIFF	DIAGONAL, DIAGRAM DIFFERENTIAL, DIFFERENCE	FV FW	FIELD WELD, FIRE WALL	LLV LMLU	LONG LEG VERTICAL LIQUID MARKER LECTURE UNIT	PEN PERF	PERFORATED	SECT	SECTION	VPC VPI	VERTICAL POINT OF CURVATURE VERTICAL POINT OF INTERSECTION
BE	BOTH ENDS, BELL END	DIM	DIMENSION	FWD	FORWARD	LNG	LONGITUDINAL	PERM	PERMANENT	SEP	SEPARATE	VPT	VERTICAL POINT OF TANGENCY
BF	BOTH FACES, BOTTOM FACE,	DISCH	DISCHARGE	FWE	FURNISHED WITH EQUIPMENT	LOC	LOCATION	PERP	PERPENDICULAR	SF	SQUARE FOOT, SILT FENCE	VS	VERSUS, VAPOR SEAL
BITUM	BLIND FLANGE, BOARD FEET BITUMINOUS	DIST DIV	DISTANCE, DISTRIBUTION DIVISION	FXTR	FIXTURE	LP LPS	LOW POINT LOW-PRESSURE SODIUM	PF PFMU	POWER FACTOR PREFACED MASONRY UNIT	SG SH	SHEET GLASS, SEALANT GROOVE SHOWER	VTR VWC	VENT THROUGH ROOF VINYL WALL COVERING
BKG	BACKING	DL	DEAD LOAD	G	GRILLE, GROUND	LR	LONG RADIUS	PH	PHASE	SHT	SHEET	VVC	VIIVIE WALL COVERING
BL	BASE LINE	DMJ	DOUBLE MECHANICAL JOINT	GA	GAGE (METAL THICKNESS)	LT	LEFT	PI	POINT OF INTERSECTION	SHTG	SHEATHING	W/	WITH
BLDG	BUILDING	DMPF	DAMP PROOFING	GAL	GALLON	LTD	LIMITED	PKG	PACKAGE	SIL	SILENCE	W/O	WITHOUT
BLK BLKG	BLOCK BLOCKING	DN DO	DOWN DISSOLVED OXYGEN, DIGITAL OUTPUT, DITTO	GALV GB	GALVANIZED GRAB BAR. GRADE BREAK	LTG LTL	LIGHTING LINTEL	PL	PLATE, PROPERTY LINE, PRECAST LINTEL	SIM	SIMILAR SLAB JOINT	l vv	WATT, WEST, WIDE, WINDOW, WIRE, WIDE FLANGE BEAM
BM	BENCHMARK, BEAM	DP	DEPTH	GC	GROOVED COUPLING	LTNG	LIGHTNING	PLAS	PLASTER	SL	SLOPE, STEEL LINTEL	WB	WOOD BASE
ВОС	BACK OF CURB	DPDT	DOUBLE POLE, DOUBLE THROW	GD	GUARD	LV	LOW VOLTAGE	PLAT	PLATFORM	SLTD	SLOTTED	WC	WATER CLOSET, WATER COLUMN
BOD BOG	BOTTOM OF DUCT BOTTOM OF GRILLE	DPST DS	DOUBLE POLE, SINGLE THROW DOWN SPOUT	GEN GFCI	GENERAL GROUND FAULT CIRCUIT INTERRUPTER	LVL LVR	LAMINATED VENEER LUMBER LOUVER	PLBG PLF	PLUMBING POUNDS PER LINEAR FOOT	SLV SMLS	SLEEVE SEAMLESS	WD WF	WOOD, WIDTH WIDE FLANGE, WASH FOUNTAIN
BOL	BOTTOM OF GRILLE BOTTOM OF LOUVER, BOLLARD	DT	DOUBLE TEE, DRIP TRAP ASSEMBLY	GFMU	GROUND FACE MASONRY UNIT	LW	LIGHTWEIGHT	PLG	PROFILE GRADE	SOG	SLAB ON GRADE	WG	WIRE GLASS, WATER GAGE
BOP	BOTTOM OF PIPE	DTR	DECIDUOUS TREE	GG	GUTTER GRADE	LWC	LIGHTWEIGHT CONCRETE	PNEU	PNEUMATIC	SP	SOUNDPROOF, STANDPIPE	WH	WALL HYDRANT, WEEP HOLE
BOR	BOTTOM OF REGISTER	DUP	DUPLICATE	GJ	GROOVED JOINT	LWL	LOW WATER LEVEL	POL	POLISH	SPA	SPACING	WI	WROUGHT IRON
BOT	BOTTOM BOTTOM OF UNIT	DWG DWL	DRAWING DOWEL	GL GLB	GLASS GLASS BLOCK, GLULAM BEAM	MA	MIXED AIR	POS PP	POSITIVE, POSITION POLYPROPYLENE, POWER POLE	SPEC SPLY	SPECIFICATION SUPPLY	WL WLD	WATER LEVEL WELDED
BOO BP	BASE PLATE	DWR	DRAWER	GND	GROUND	MACH	MACHINED	PRC	POINT OF REVERSE CURVATURE	SPST	SINGLE POLE SINGLE THROW	WM	WIRE MESH
BRG	BEARING			GP	GUY POLE	MAINT	MAINTENANCE	PREF	PREFINISHED	SPT	SET POINT	WP	WEATHERPROOF
BRGP BRKT	BEARING PLATE BRACKET	E,	EAST EACH. EXHAUST AIR	GR GRTG	GRADE GRATING	MAN MATL	MANUAL MATERIAL	PREFAB PRELIM	PREFABRICATED PRELIMINARY	SQ SR	SQUARE SHORT RADIUS	WS WSCT	WATERSTOP, WATER SURFACE WAINSCOT
BS	BOTH SIDES	EC	ELECTRICAL CONTRACTOR	GSB	GYPSUM SHEATHING BOARD	MAX	MAXIMUM	PRELIM	PREPARE	SS	SERVICE SINK	WT	WEIGHT, WATER TIGHT
BTU	BRITISH THERMAL UNIT	ECC	ECCENTRIC	GT	GREASE TRAP	MB	MACHINE BOLT	PRES	PRESSURE	SST	STAINLESS STEEL	WTHP	WATERPROOF, WORKING POINT
BTW	BETWEEN	ED	EQUIPMENT DRAIN	GTI CVI	GRATED INLET	MBR	MEMBER	PRI	PRIMARY	ST	STREET STATION	WWF	WELDED WIRE FABRIC
BTWLD BU	BUTT WELD BELL UP, BUILT-UP	EDB EE	ELECTRICAL DUCT BANK EACH END	GVL GW	GRAVEL GUY WIRE	MC	MECHANICAL CONTRACTOR, MECHANICAL COUPLING,	PROP PROT	PROPERTY, PROPOSED PROTECTION	STA STD	STATION STANDARD	XP	EXPLOSION-PROOF
BUR	BUILT-UP ROOFING	EF	EACH FACE	GWB	GYPSUM WALLBOARD		MOMENT CONNECTION	PS	PIPE SUPPORT	STIF	STIFFENER	XS	EXTRA STRONG
BW	BOTH WAYS	EFF	EFFLUENT, EFFICIENCY	GYP	GYPSUM HARDBOARD	MCB	METAL CORNER BEAD	PSF	POUNDS PER SQUARE FOOT	STIR	STIRRUP	XSECT	CROSS SECTION
BYP	BYPASS	EHH EIFS	ELECTRICAL HANDHOLE EXTERIOR INSULATION & FINISH SYSTEM	Н	HIGH	MCJ MDMJ	MASONRY CONTROL JOINT MODIFIED DOUBLE MECHANICAL JOINT	PSI PSIA	POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH ABSOLUTE	STL	STEEL STORAGE	XXS	DOUBLE EXTRA STRONG
стос	CENTER TO CENTER	EJ	EXPANSION JOINT	HB	HOSE BIBB	MECH	MECHANICAL	PSIG	POUNDS PER SQUARE INCH GAGE	STR	STRUCTURAL, STRAIGHT	YH	YARD HYDRANT
C&G	CURB AND GUTTER	EL	ELBOW, ELEVATION	HBD	HARDBOARD	MED	MEDIUM	PST	PRESTRESSED	SUB	SUBSTITUTE	YS	YIELD STRENGTH
CAB	CHANNEL SHAPE, CENTIGRADE, CONDUIT CABINET	ELEC EMBD	ELECTRICAL EMBEDDED	HC	HANDICAPPED, HOLLOW CORE, HORIZONTAL, CURVE, HORIZONTAL CENTERLINE	MFR MH	MANUFACTURER MANHOLE, METAL HALIDE	PT PTN	POINT, POINT OF TANGENCY PARTITION	SUC	SUCTION SUSPENDED		
CAB	CAPACITY	EMER	EMERGENCY	HD	HEAD, HOT DIP	MIN	MINIMUM	PVC	POLYVINYL CHLORIDE, POINT OF	SUSP	SUSPENDED SQUARE YARD		
CAT	CATALOG, CATEGORY	EMH	ELECTRICAL MANHOLE	HDR	HEADER	MIR	MIRROR		VERTICAL CURVE	SYM	SYMBOL		
CAV	CATCH BASIN	ENCL	ENCLOSURE	HDW	HARDWARE	MISC	MISCELLANEOUS	PVC-RGS	PVC COATED RGS	SYMM	SYMMETRICAL	GENERAL	NOTES:
CBI CCB	CATCH BASIN CONCRETE BLOCK	ENGR ENTR	ENGINEER ENTRANCE	HEX HGR	HEXAGONAL HANGER	MJ ML	MECHANICAL JOINT MASONRY LINTEL	PVMT PWD	PAVEMENT PLYWOOD	SYN SYS	SYNTHETIC SYSTEM	OLINERAL	<u>- 140 1 L O.</u>
CCM	COUNTER CLOCKWISE	EOP	EDGE OF PAVEMENT	HH	HANDHOLE	MLO	MAIN LUGS ONLY	PWJ	PLYWOOD WEB JOIST				BREVIATIONS APPLY TO THE ENTIRE SET
CDF	CONTROLLED-DENSITY FILL	EQ	EQUAL	HID	HIGH-INTENSITY DISCHARGE	MMB	MEMBRANE	PZ	PIEZOMETER	T&B	TOP AND BOTTOM	OF CONTR	RACT DRAWINGS.
CE CER	CONCRETE EDGE CERAMIC	EQUIP	EQUIPMENT EQUIVALENT	HM HORIZ	HOLLOW METAL HORIZONTAL	MOD MOD	MASONRY OPENING MODULAR, MODIFY		RATE OF FLOW	T&G	TONGUE AND GROOVE TILE. TREAD	2 LISTING OF	F ABBREVIATIONS DOES NOT IMPLY THAT
CER CF	CUBIC FEET (FOOT)	EQUIV ES	EQUIVALENT EACH SIDE, EQUAL SPACE,	HORIZ	HORIZONTAL HIGH POINT, HORSEPOWER	MON	MODULAR, MODIFY MONUMENT	QT QT	QUARRY TILE	TA	TILE, TREAD TOILET ACCESSORY, TEMPERED AIR		EVIATIONS ARE USED IN THE CONTRACT
CFL	COUNTER FLASHING		EMERGENCY SHOWER	HPC	HORIZONTAL POINT OF CURVATURE	MPT	MALE PIPE THREAD	QTR	QUARTER	TAN	TANGENT	DRAWINGS	
CHBD	CHALKBOARD	ESEW	EMERGENCY SHOWER AND EYE WASH	HPS	HIGH-PRESSURE SODIUM	MRGWB	MOISTURE-RESISTANT GYPSUM WALLBOARD	QTY	QUANTITY	TBM	TEMPORARY BENCHMARK	3 VBBBL/11	TIONS SHOWN ON THIS SHEET INCLUDE
CHD CHFR	CHORD CHAMFER	EST EW	ESTIMATE EACH WAY, EMERGENCY, EYE/FACE WASH	HPT HR	HORIZONTAL POINT OF TANGENCY HOSE REEL, HOUR	MS MSL	MOP SINK MEAN SEA LEVEL	QUAL	QUALITY	TCE TEF	TEMPORARY CONSTRUCTION EASEMENT TROWELED EPOXY FLOORING		NS OF A WORD. FOR EXAMPLE, "MOD"
CHH	COMMUNICATION HANDHOLE	EWC	ELECTRIC WATER COOLER	HS	HEADED STUD, HIGH STRENGTH	MT	MOUNT			TEMP	TEMPORARY, TEMPERATURE	MAY MEAN	N MODIFY OR MODIFICATION; "INC" MAY
CI	CURB INLET	EWEF	EACH WAY, EACH FACE	HSS	HOLLOW STRUCTURAL SHAPE	MU	MASONRY UNIT			THD	THREAD		LUDED OR INCLUDING AND "REINF" MAY
CIP	CAST-IN-PLACE CONCRETE INTERLOCKING PAVER BALLAST	EWTB EXC	EACH WAY, TOP AND BOTTOM EXCAVATION	HT HTG	HEIGHT HEATING	MULL MV	MULLION MEDIUM VOLTAGE			THK THRESH	THICK THRESHOLD	MEAN EITH	HER REINFORCE OR REINFORCING.
CIRC	CIRCULATION, CIRCULAR	EXH	EXHAUST	HV	HIGH VOLTAGE	MW	MONITORING WELL			TKBD	TACK BOARD		RUMENTATION LEGEND SHEET FOR
Cl	CONSTRUCTION JOINT	EXP	EXPANSION, EXPOSED	HVAC	HEATING, VENTILATING AND AIR CONDITIONING								SPECIFIC EQUIPMENT SYMBOLS,
CKT	CIRCUIT CENTERLINE, CLASS, CLOSE	EXST EXT	EXISTING EXTERIOR, EXTERNAL, EXTENSION	HWD HWL	HARDWOOD HIGH WATER LEVEL							EQUIPMEN ABBREVIA	IT ABBREVIATIONS, AND PIPING SYSTEM
CL CLG	CEILING	[^]	LATENION, LATERINAL, EXTENSION	HYD	HIGH WATER LEVEL HYDRAULIC							, SDINEVIA	
				HZ	HERTZ, CYCLES PER SECOND								





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

Gravel Mitigation Ha Ha Tonka State Park 1491 State Road D Camdenton, Missouri 65020

PROJECT#	X2116-01
SITE#	5304
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ASSET # 5304 ASSET # 7815304026

REVISION:	
DATE:	
REVISION:	
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REVISION:	
DATE:	
ISSUE DATE:	

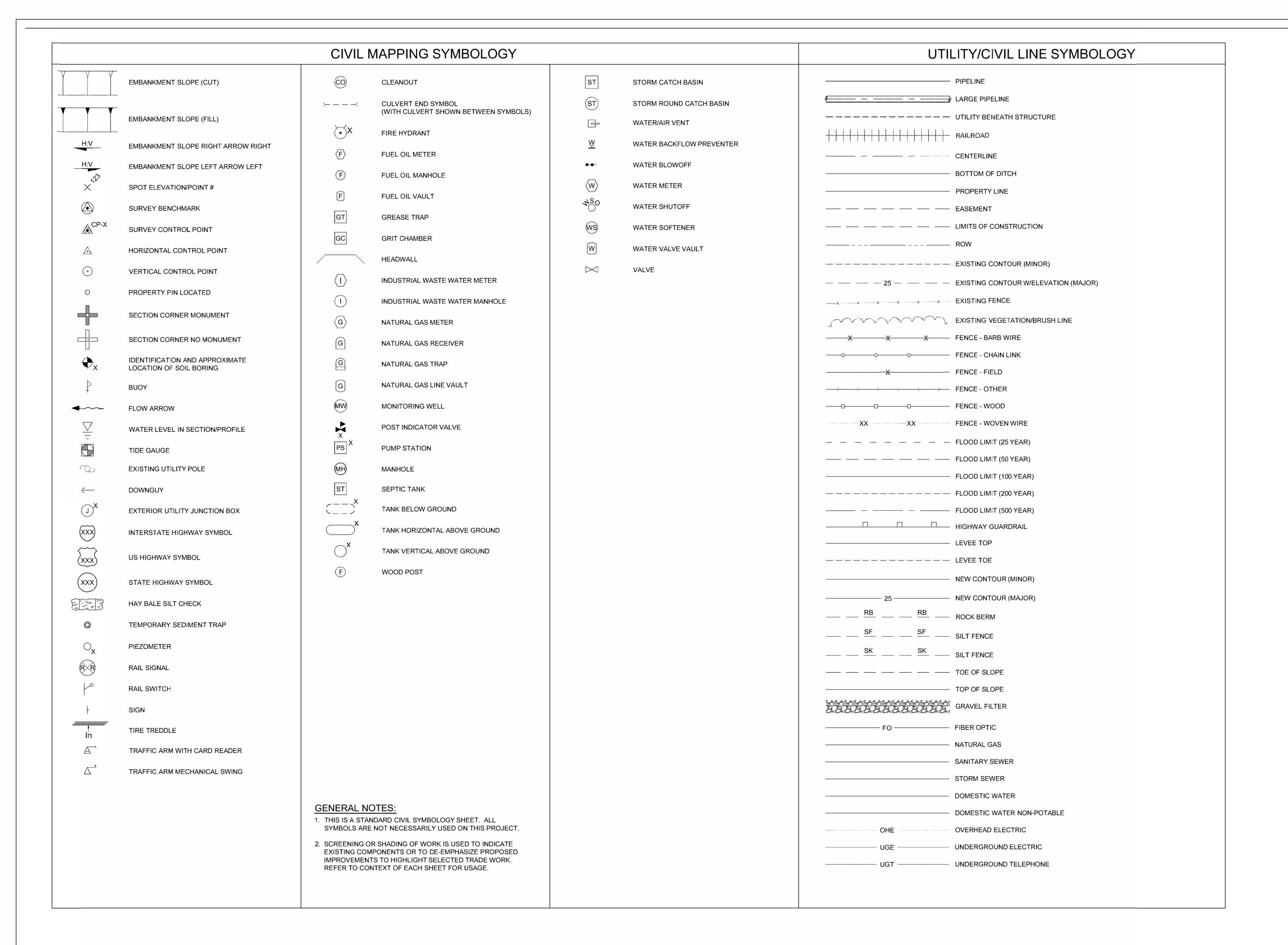
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CHECKED BY:
DESIGNED BY:

SHEET TITLE:

ABBREVIATIONS

SHEET NUMBER:

G-003







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DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

Gravel Mitigation
Ha Ha Tonka State Park
1491 State Road D
Camdenton, Missouri 65020

PROJECT # X2116-01 SITE # 5304 ASSET # 7815304026

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ISSUE DATE:	

CAD DWG FILE:
DRAWN BY:
CHECKED BY:
DESIGNED BY:

SHEET TITLE:

CIVIL LEGEND

SHEET NUMBER:

J-004

- HAUL/ACCESS ROAD

CONTRACTOR TO FIELD VERIFY LOCATION OF

LOCATION (AROUND 25+60). CONTRACTOR TO

CULVERT THAT DAYLIGHTS TO THE CREEK ON

THE NORTH SIDE. SEE DETAIL 2 SHEET C-502

EXISTING SUMP IN THIS APPROXIMATE

RAISE THE TRAIL 6", BLEND TO EXISTING

GRADE WITHIN 25 FT, AND INSTALL 24"

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**

INSTALL ELASTIC, ENVIRO USA, OR GEI WORKS TYPE 2 FLOATING TURBIDITY CURTAIN OR APPROVED EQUAL.

CURTAIN MAY BE MOVED AS NECESSARY TO

- PROJECT LOCATION -

EFFECTIVELY TREAT THE AREA BEING WORKED MEANING IT DOES NOT NEED TO SPAN THE ENTIRE AREA SHOWN HERE.

CONSTRUCT ENTRANCE TO SITE, FULLY REMOVE AND RESTORE SHORELINE AT

END OF WET EXCAVATION





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PROJECT # X2116-01 5304 SITE# 7815304026 ASSET#

REVISION:	
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ISSUE DATE:	

ñ	CAD DWG FILE:
ij	DRAWN BY:
10	CHECKED BY:
R	DESIGNED BY:
S	<u> </u>

SHEET TITLE:

OVERALL SITE

SHEET NUMBER:

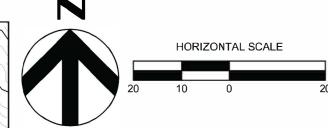
C-101 5 OF 9 SHEETS

10/20/2022

HAUL/ACCESS ROAD -

CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING SUMP IN THIS APPROXIMATE LOCATION (AROUND 11+50). CONTRACTOR TO RAISE THE TRAIN 6", BLEND TO EXISTING GRADE WITHIN 25 FT, AND

STAGING AREA IN PARKING LOT





FJS

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

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PROJECT # X2116-01 SITE # 5304 ASSET # 7815304026

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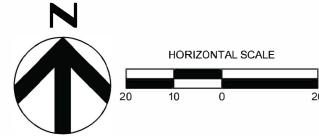
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SHEET TITLE:

EXISTING SITE FEATURES & WATER DEPTHS

SHEET NUMBER:

C-102





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DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

Gravel Mitigation Ha Ha Tonka State Park 1491 State Road D Camdenton, Missouri 65020

PROJECT # X2116-01 5304 7815304026

CAD DWG FILE:
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SHEET TITLE:

SITE GRADING PLAN

SHEET NUMBER:

C-103





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DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

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PROJECT # X2116-01 SITE # 5304 ASSET # 7815304026

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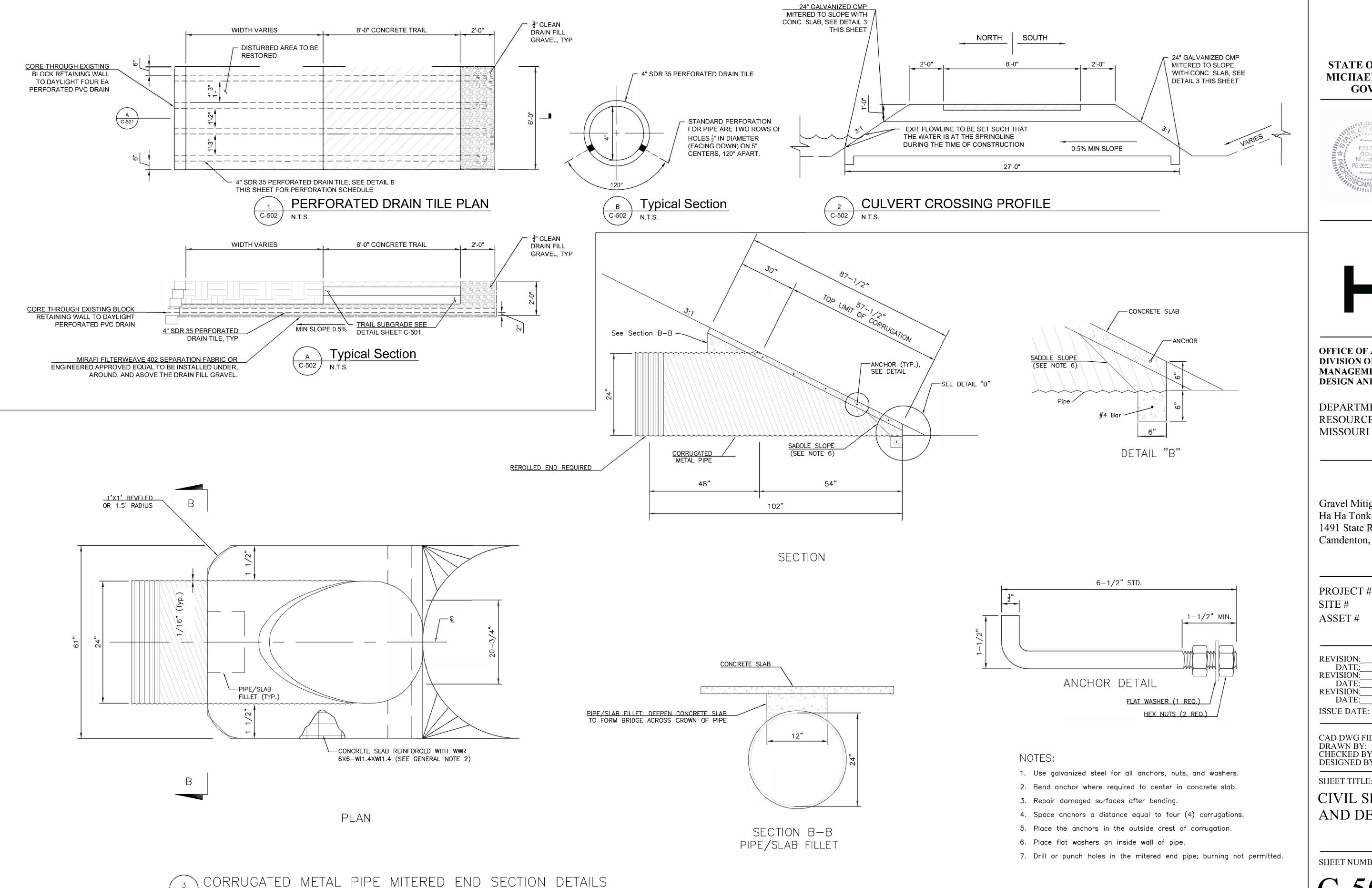
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CHECKED BY:
DESIGNED BY:

SHEET TITLE:

CIVIL SECTION
AND DETAILS

SHEET NUMBER:

C-50





OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

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PROJECT # X2116-01 5304 SITE# 7815304026 ASSET#

REVISION: DATE **REVISION** DATE REVISION: DATE:

CAD DWG FILE DRAWN BY: CHECKED BY: **DESIGNED BY:**

SHEET TITLE:

CIVIL SECTION AND DETAILS

SHEET NUMBER:

C-502