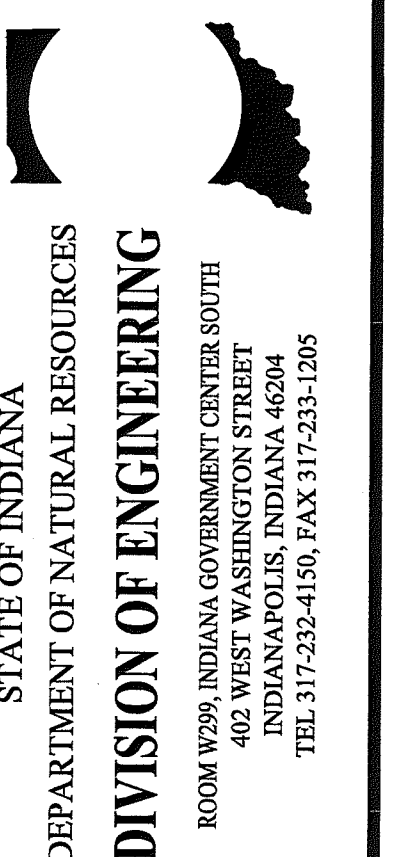


Certified by: *Michael J. Matras*

SEPTIC SYSTEM IMPROVEMENTS 2020  
 BROWN CO. STATE PARK  
 DEPT. OF NATURAL RESOURCES  
 P.O. BOX 608  
 NASHVILLE, INDIANA 47448



Revisions:	
Project Number:	
Requisition Number:	
Designer:	MJM
Drawing Date:	04-14-20
Drafter:	JSB
Drawing Scale:	NO SCALE
DNR Approval:	
Client Approval:	
File Number:	
Drawing Number:	TS-1
Sheet:	1 of 3

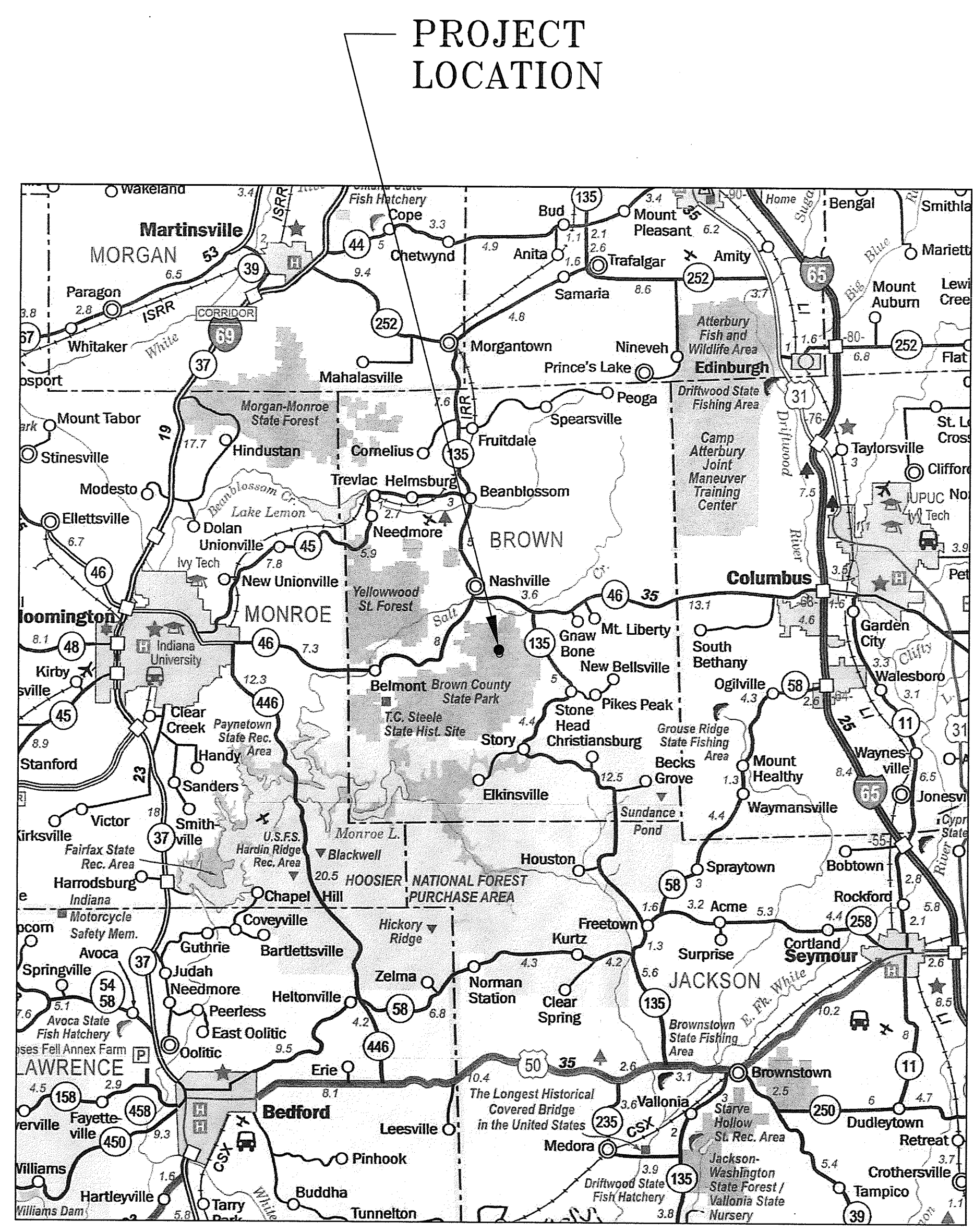
# STATE OF INDIANA

## DEPARTMENT OF NATURAL RESOURCES

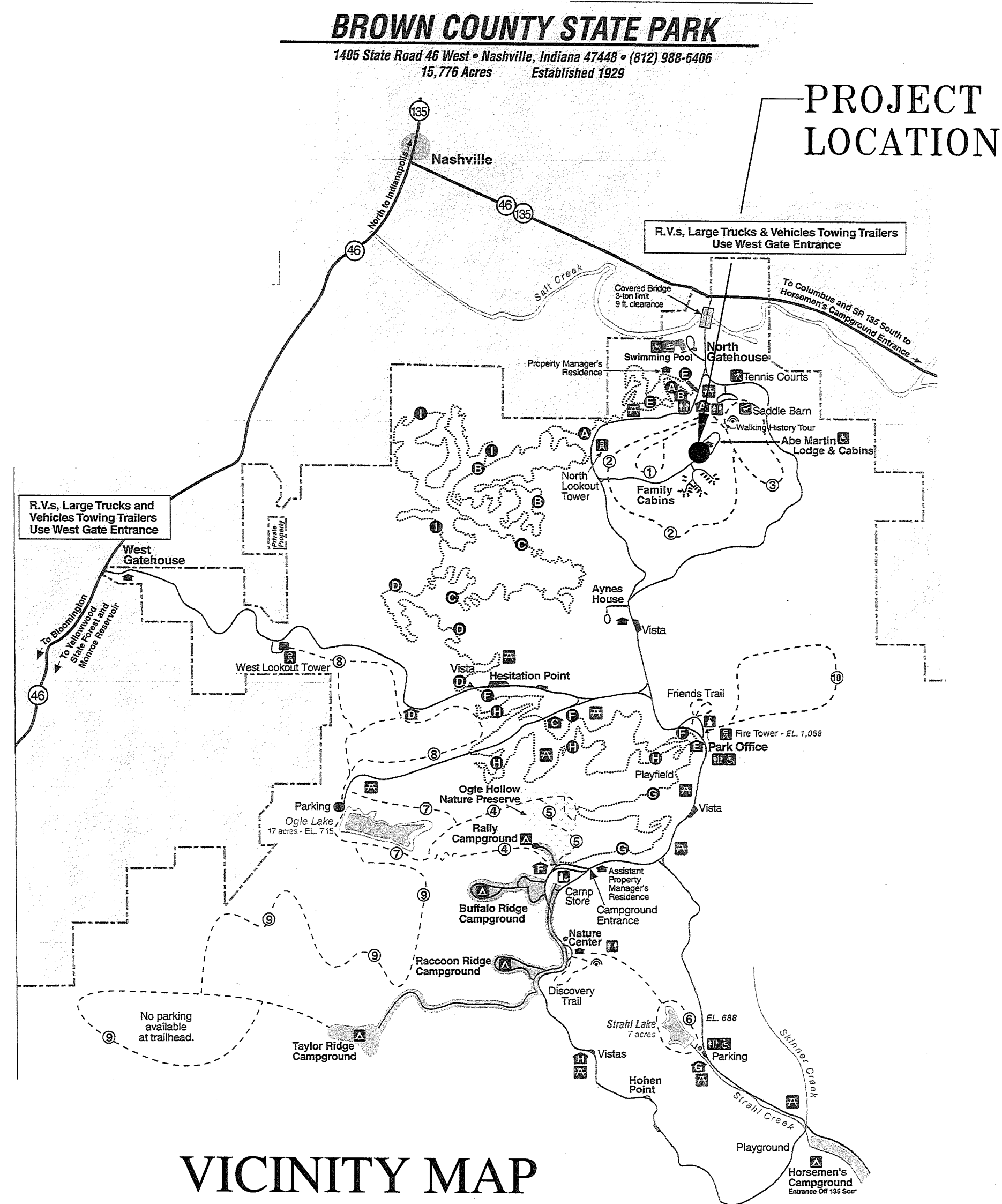
### SEPTIC SYSTEM IMPROVEMENTS 2020 FOR NORTH & SOUTH CABINS BROWN CO. STATE PARK

NASHVILLE, INDIANA  
 BROWN COUNTY

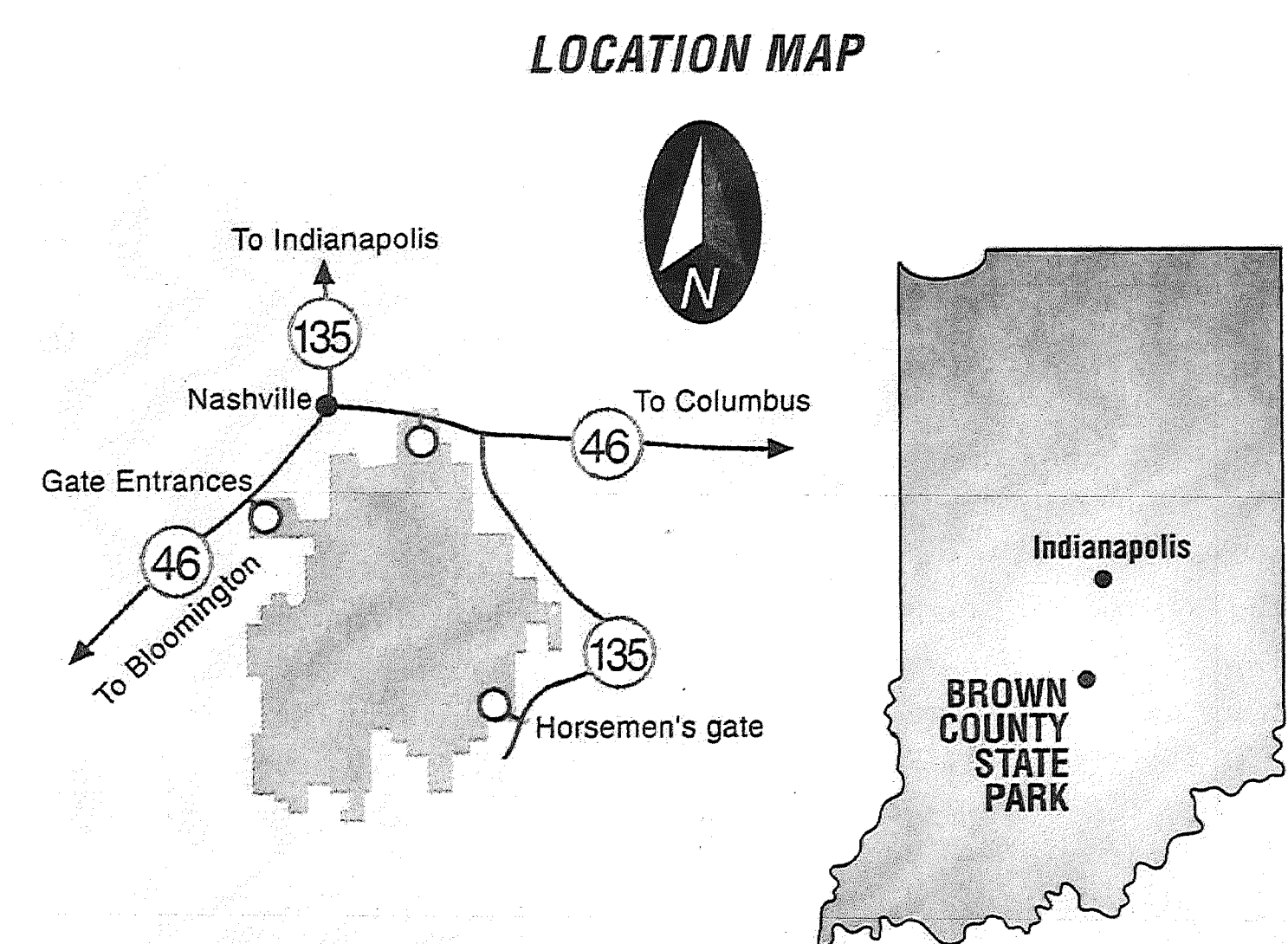
INDEX	
SHEET NO.	DESCRIPTION
1.	TITLE SHEET - TS-1
2.	SITE PLAN-SEPTIC SYSTEM IMPROVEMENTS NORTH CABIN
3.	SITE PLAN-SEPTIC SYSTEM IMPROVEMENTS SOUTH CABIN



PROJECT LOCATION MAP



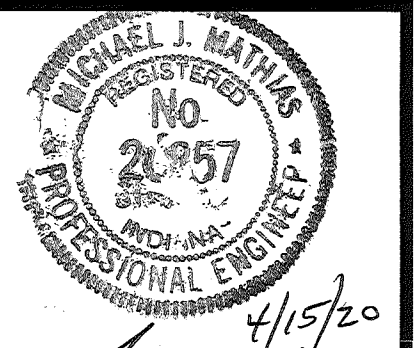
VICINITY MAP



LOCATION MAP

14, 2020 - 4:10pm - 8/4/2020 - PROJECT: SEPTIC SYSTEM IMPROVEMENTS FOR BROWN COUNTY STATE PARK - SEPTIC SYSTEM IMPROVEMENTS FOR BROWN COUNTY STATE PARK

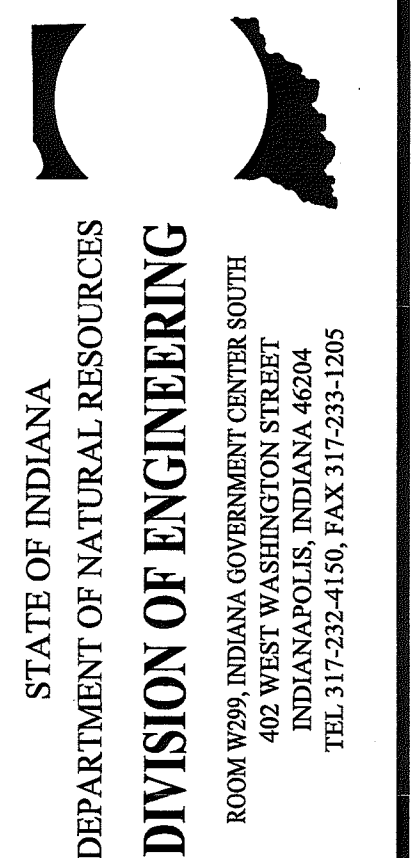




Certified by: *[Signature]*

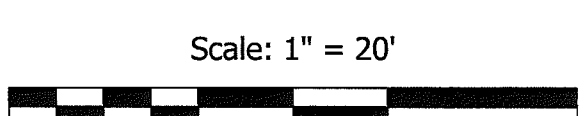
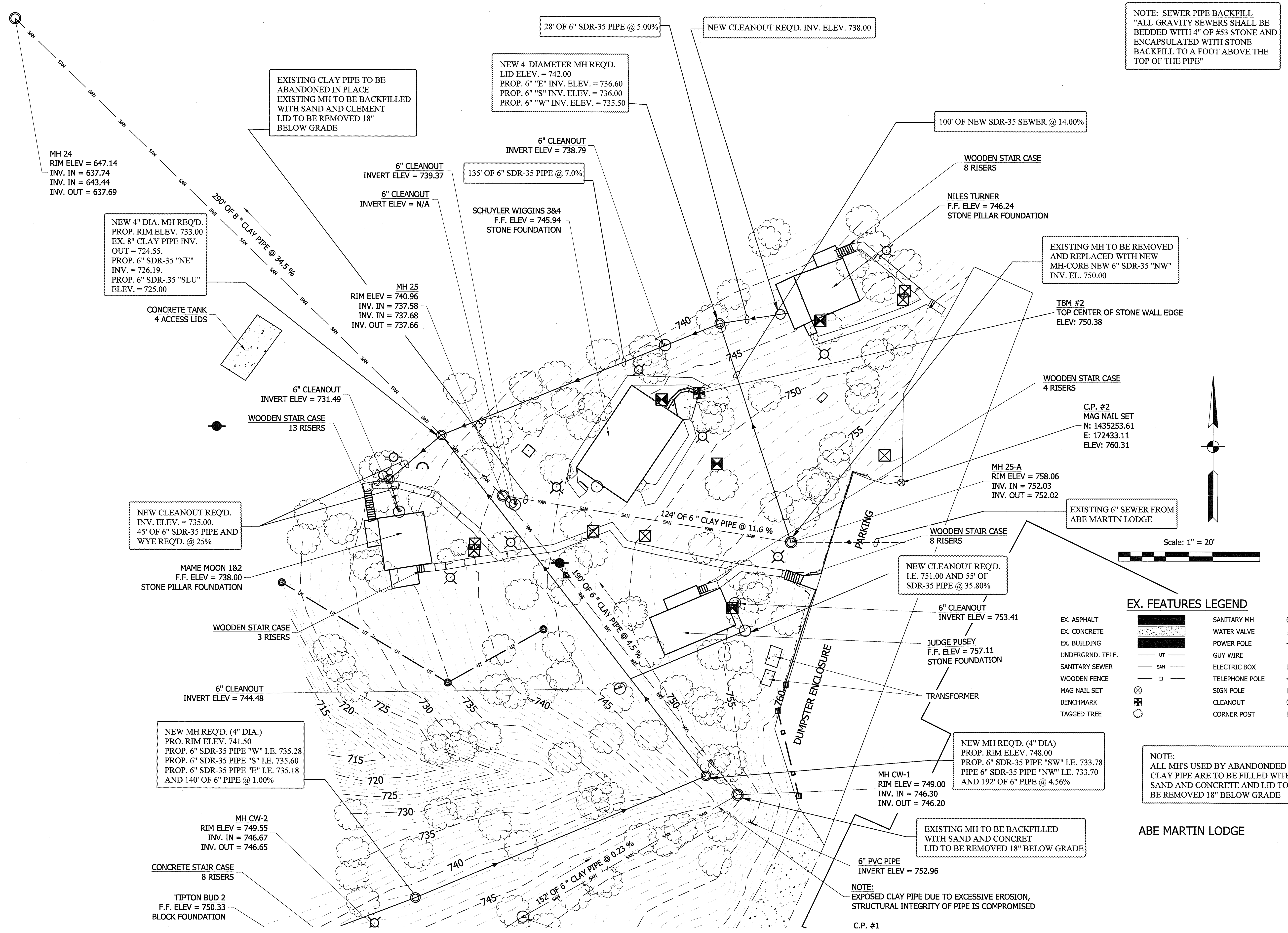
# NORTH CABIN

**BROWN CO. STATE PARK**  
CABIN SEWER IMPROVEMENTS 2020  
DEPT. OF NATURAL RESOURCES  
P.O. BOX 608  
NASHVILLE, IN 47448



Revisions:	
Project Number:	
Requisition Number:	
Requisition#	
Designer: MJM	Drawing Date: 04-14-20
Drafter: JSB	Drawing Scale: AS SHOWN
DNR Approval:	
Client Approval:	
File Number:	
Drawing Number:	
Sheet: 2 of 3	

NOTE: SEWER PIPE BACKFILL  
"ALL GRAVITY SEWERS SHALL BE  
BEDDED WITH 4" OF #53 STONE AND  
ENCAPSULATED WITH STONE  
BACKFILL TO A FOOT ABOVE THE  
TOP OF THE PIPE"



**EX. FEATURES LEGEND**

EX. ASPHALT		SANITARY MH	
EX. CONCRETE		WATER VALVE	
EX. BUILDING		POWER POLE	
UNDERGRD. TELE.		GUY WIRE	
SANITARY SEWER		ELECTRIC BOX	
WOODEN FENCE		TELEPHONE POLE	
MAG NAIL SET		SIGN POLE	
BENCHMARK		CLEANOUT	
TAGGED TREE		CORNER POST	

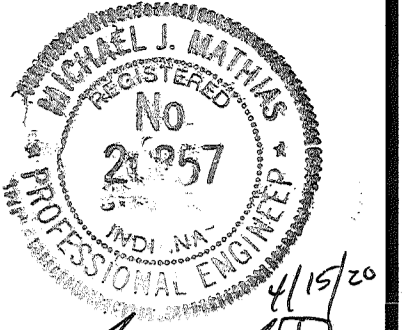
NOTE:  
ALL MH'S USED BY ABANDONED  
CLAY PIPE ARE TO BE FILLED WITH  
SAND AND CONCRETE AND LID TO  
BE REMOVED 18" BELOW GRADE

### ABE MARTIN LODGE

NOTE:  
EXPOSED CLAY PIPE DUE TO EXCESSIVE EROSION,  
STRUCTURAL INTEGRITY OF PIPE IS COMPROMISED

C.P. #1

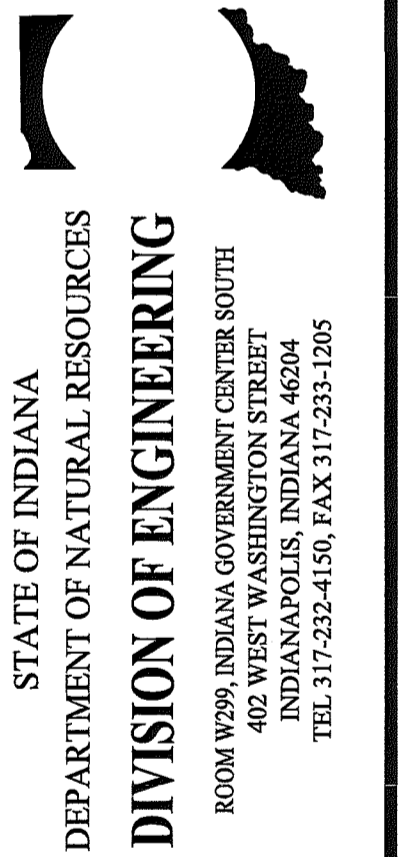




Certified by:

SOUTH CABIN

BROWN CO. STATE PARK  
CABIN SEWER IMPROVEMENTS 2020  
DEPT. OF NATURAL RESOURCES  
P.O. BOX 608  
NASHVILLE, IN 47448



Revisions:

Project Number:

Requisition Number:

Requisition#

Designer:

Drawing Date:

Drafter:

Drawing Scale:

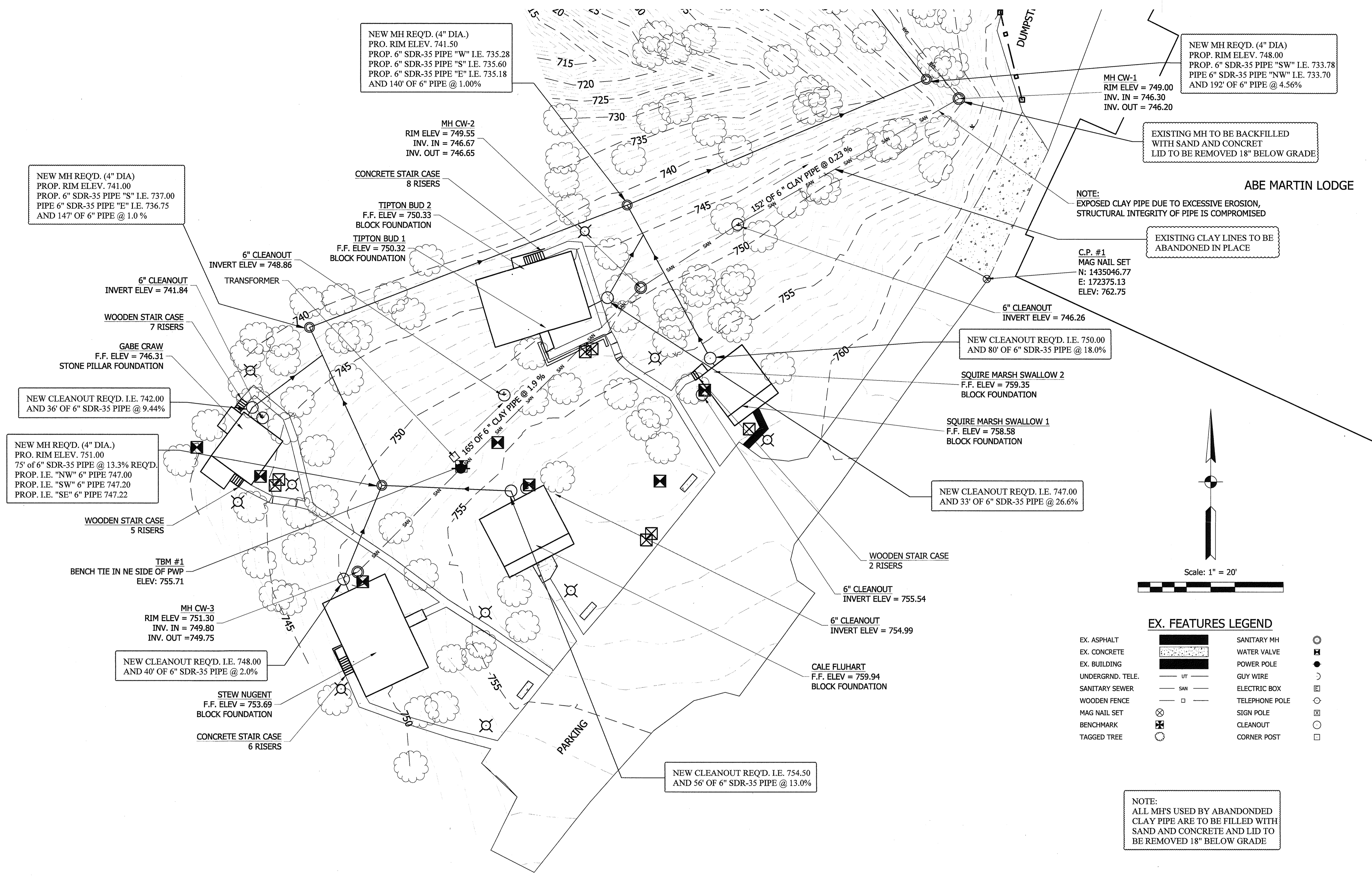
DNR Approval:

Client Approval:

File Number:

Drawing Number:

Sheet: 3 of 3



EXISTING MH TO BE BACKFILLED WITH SAND AND CONCRET LID TO BE REMOVED 18" BELOW GRADE

EXISTING CLAY LINES TO BE ABANDONED IN PLACE

NOTE: EXPOSED CLAY PIPE DUE TO EXCESSIVE EROSION, STRUCTURAL INTEGRITY OF PIPE IS COMPROMISED

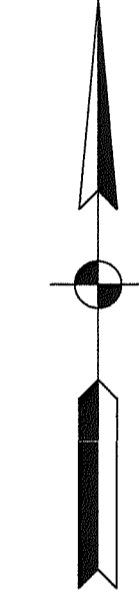
NOTE: ALL MH'S USED BY ABANDONDED CLAY PIPE ARE TO BE FILLED WITH SAND AND CONCRETE AND LID TO BE REMOVED 18" BELOW GRADE

NOTE: SEWER PIPE BACKFILL "ALL GRAVITY SEWERS SHALL BE BEDDED WITH 4" OF #53 STONE AND ENCAPSULATED WITH STONE BACKFILL TO A FOOT ABOVE THE TOP OF THE PIPE"

EX. FEATURES LEGEND

- EX. ASPHALT
EX. CONCRETE
EX. BUILDING
UNDERGRD. TELE.
SANITARY SEWER
WOODEN FENCE
MAG NAIL SET
BENCHMARK
TAGGED TREE
SANITARY MH
WATER VALVE
POWER POLE
GUY WIRE
ELECTRIC BOX
TELEPHONE POLE
SIGN POLE
CLEANOUT
CORNER POST

Scale: 1" = 20'



NEW MH REQ'D. (4" DIA.) PRO. RIM ELEV. 741.50 PROP. 6" SDR-35 PIPE "W" I.E. 735.28 PROP. 6" SDR-35 PIPE "S" I.E. 735.60 PROP. 6" SDR-35 PIPE "E" I.E. 735.18 AND 140' OF 6" PIPE @ 1.00%

NEW MH REQ'D. (4" DIA.) PRO. RIM ELEV. 748.00 PROP. 6" SDR-35 PIPE "SW" I.E. 733.78 PIPE 6" SDR-35 PIPE "NW" I.E. 733.70 AND 192' OF 6" PIPE @ 4.56%

NEW MH REQ'D. (4" DIA.) PRO. RIM ELEV. 741.00 PROP. 6" SDR-35 PIPE "S" I.E. 737.00 PIPE 6" SDR-35 PIPE "E" I.E. 736.75 AND 147' OF 6" PIPE @ 1.0%

NEW CLEANOUT REQ'D. I.E. 742.00 AND 36' OF 6" SDR-35 PIPE @ 9.44%

NEW MH REQ'D. (4" DIA.) PRO. RIM ELEV. 751.00 75' OF 6" SDR-35 PIPE @ 13.3% REQ'D. PROP. I.E. "NW" 6" PIPE 747.00 PROP. I.E. "SW" 6" PIPE 747.20 PROP. I.E. "SE" 6" PIPE 747.22

NEW CLEANOUT REQ'D. I.E. 748.00 AND 40' OF 6" SDR-35 PIPE @ 2.0%

NEW CLEANOUT REQ'D. I.E. 754.50 AND 56' OF 6" SDR-35 PIPE @ 13.0%

NEW CLEANOUT REQ'D. I.E. 750.00 AND 80' OF 6" SDR-35 PIPE @ 18.0%

NEW CLEANOUT REQ'D. I.E. 747.00 AND 33' OF 6" SDR-35 PIPE @ 26.6%