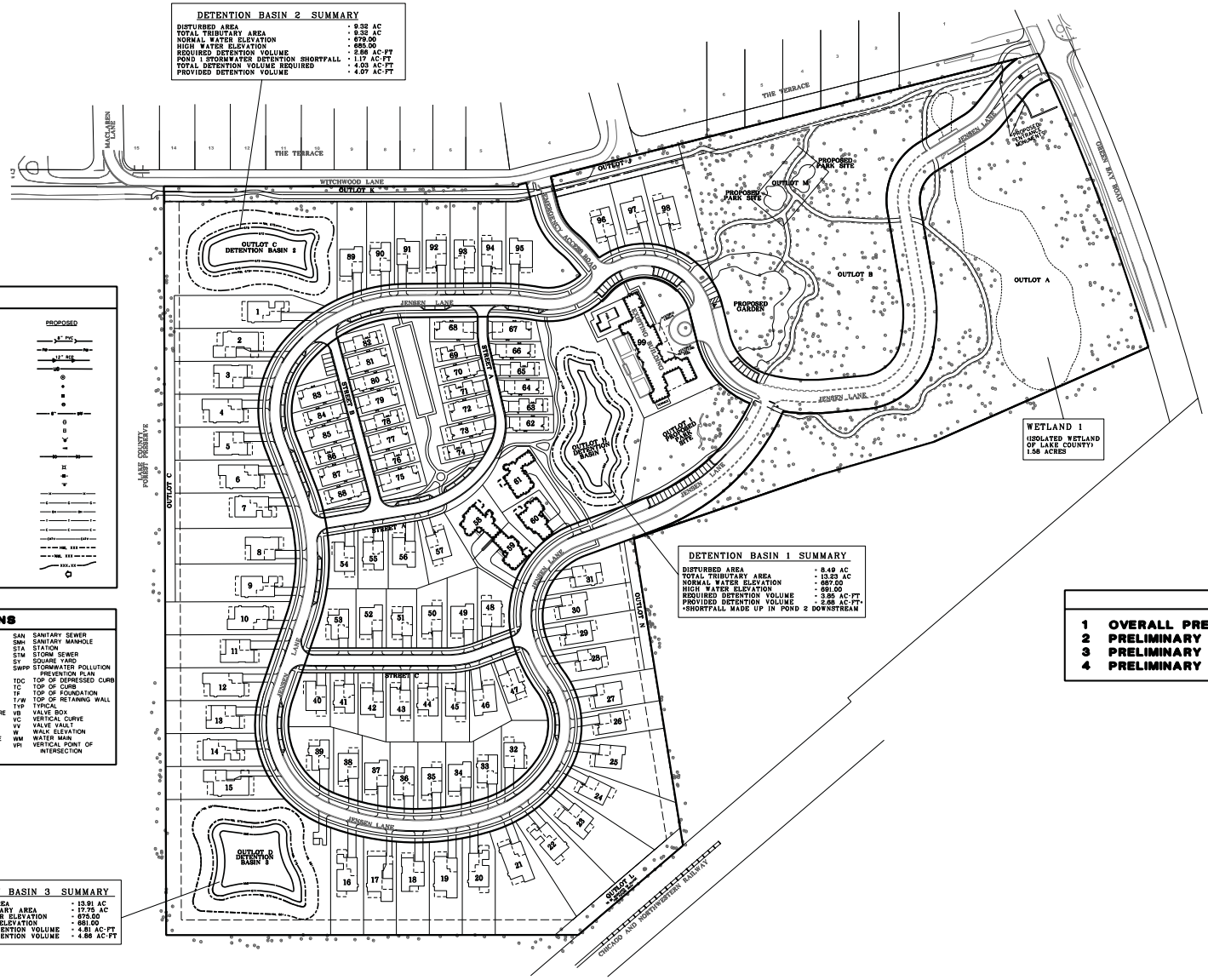
DETENTION BASIN 2 SUMMARY

DISTURBED AREA	= 9.32 AC
TOTAL TRIBUTARY AREA	= 9.32 AC
NORMAL WATER ELEVATION	= 679.00
HIGH WATER ELEVATION	680.00
REQUIRED DETENTION VOLUME	= 2.86 AC-FT
POND 1 STORMWATER DETENTION SHORTFALL	1.17 AC-FT
TOTAL DETENTION VOLUME REQUIRED	= 4.03 AC-FT
PROVIDED DETENTION VOLUME	= 4.07 AC-FT



DETENTION BASIN 1 SUMMARY

DISTURBED AREA	= 8.49 AC
TOTAL TRIBUTARY AREA	= 13.23 AC
NORMAL WATER ELEVATION	= 687.00
HIGH WATER ELEVATION	= 691.00
REQUIRED DETENTION VOLUME	= 3.86 AC-FT
PROVIDED DETENTION VOLUME	= 2.68 AC-FT*

*SHORTFALL MADE UP IN POND 2 DOWNSTREAM

DETENTION BASIN 3 SUMMARY

DISTURBED AREA	= 13.91 AC
TOTAL TRIBUTARY AREA	= 17.75 AC
NORMAL WATER ELEVATION	= 676.00
HIGH WATER ELEVATION	= 681.00
REQUIRED DETENTION VOLUME	= 4.81 AC-FT
PROVIDED DETENTION VOLUME	= 4.86 AC-FT

LEGEND

	EXISTING	PROPOSED
SANITARY SEWER	8" PVC	8" PVC
FORCE MAIN	FM	FM
STORM SEWER	12" RCP	12" RCP
UNDERDRAIN	UD	UD
MANHOLE		
CATCH BASIN		
INLET		
CLEANOUT		
WATER MAIN	WM	8" WM
VALVE VAULT		
VALVE BOX		
FIRE HYDRANT		
FLARED END SECTION		
COMBINED SEWER		
STREET LIGHT/PARKING LOT LIGHT		
POWER POLE		
STREET SIGN		
FENCE		
GAS MAIN		
OVERHEAD LINE		
TELEPHONE LINE		
ELECTRIC LINE		
CABLE TV LINE		
HIGH WATER LEVEL		HWL 691
NORMAL WATER LEVEL		NWL 687
CONTOUR LINE	691.00	691.00
OVERLAND FLOOD ROUTE		

ABBREVIATIONS

AC	ACRE	HWL	HIGH WATER ELEVATION	SAN	SANITARY SEWER
BC	BACK OF CURB	INL	INLET	SMH	SANITARY MANHOLE
BTM	BOTTOM	INV	INVERT	STA	STATION
CB	CATCH BASIN	LF	LINEAL FEET/FOOT	STM	STORM SEWER
CFS	CUBIC FEET PER SECOND	LP	LIGHT POLE	SY	SQUARE YARD
CY	CUBIC YARD	LT	LEFT	SWPP	STORMWATER POLLUTION PREVENTION PLAN
DIA	DIAMETER	L/W	LOWEST GRADE ADJACENT TO RETAINING WALL	TDC	TOP OF DEPRESSED CURB
DWM	DUCTILE IRON WATER MAIN			TC	TOP OF CURB
EL	ELEVATION	MAX	MAXIMUM	TF	TOP OF FOUNDATION
EP	EDGE OF PAVEMENT	MH	STORM MANHOLE	T/W	TOP OF RETAINING WALL
FF	FINISHED FLOOR	MIN	MINIMUM	TYP	TYPICAL
FES	FLARED END SECTION	NWL	NORMAL WATER ELEVATION	VB	VALVE BOX
FT	FOOT/FEET	OCS	OUTLET CONTROL STRUCTURE	VC	VERTICAL CURVE
G	GUTTER ELEVATION	P	PAVEMENT ELEVATION	VV	VALVE VAULT
GF	GRADE AT FOUNDATION	PVC	POLYVINYL CHLORIDE PIPE	W	WALK ELEVATION
GR	GRADE RING ELEVATION	R	RADIUS	WM	WATER MAIN
HDPE	HIGH DENSITY POLYETHYLENE PIPE	RCP	REINFORCED CONCRETE PIPE	VPI	VERTICAL POINT OF INTERSECTION
HYD	FIRE HYDRANT	RIM	RIM ELEVATION		
HMA	HOT MIX ASPHALT	RT	RIGHT		
		ROW	RIGHT OF WAY		

INDEX

1 OVERALL PRELIMINARY ENGINEERING PLAN
2 PRELIMINARY ENGINEERING PLAN - EAST
3 PRELIMINARY ENGINEERING PLAN - WEST
4 PRELIMINARY ENGINEERING PLAN - SOUTH

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DATE	DESCRIPTION OF REVISION	BY
8-1-14	REVISED PER VILLAGE COMMENTS	TKB
7-17-14	REVISED PER VILLAGE COMMENTS	TKB
7-3-14	REVISED PER STORMWATER COMMENTS	TKB

DESIGNED	TKB
DRAWN	WHM
APPROVED	TKB
DATE	05-09-14
SCALE	1" = 100'

OVERALL PRELIMINARY ENGINEERING PLAN
STONEBRIDGE OF LAKE BLUFF
LAKE BLUFF, ILLINOIS

SHEET 1 OF 4

PROJECT NUMBER: 1300B

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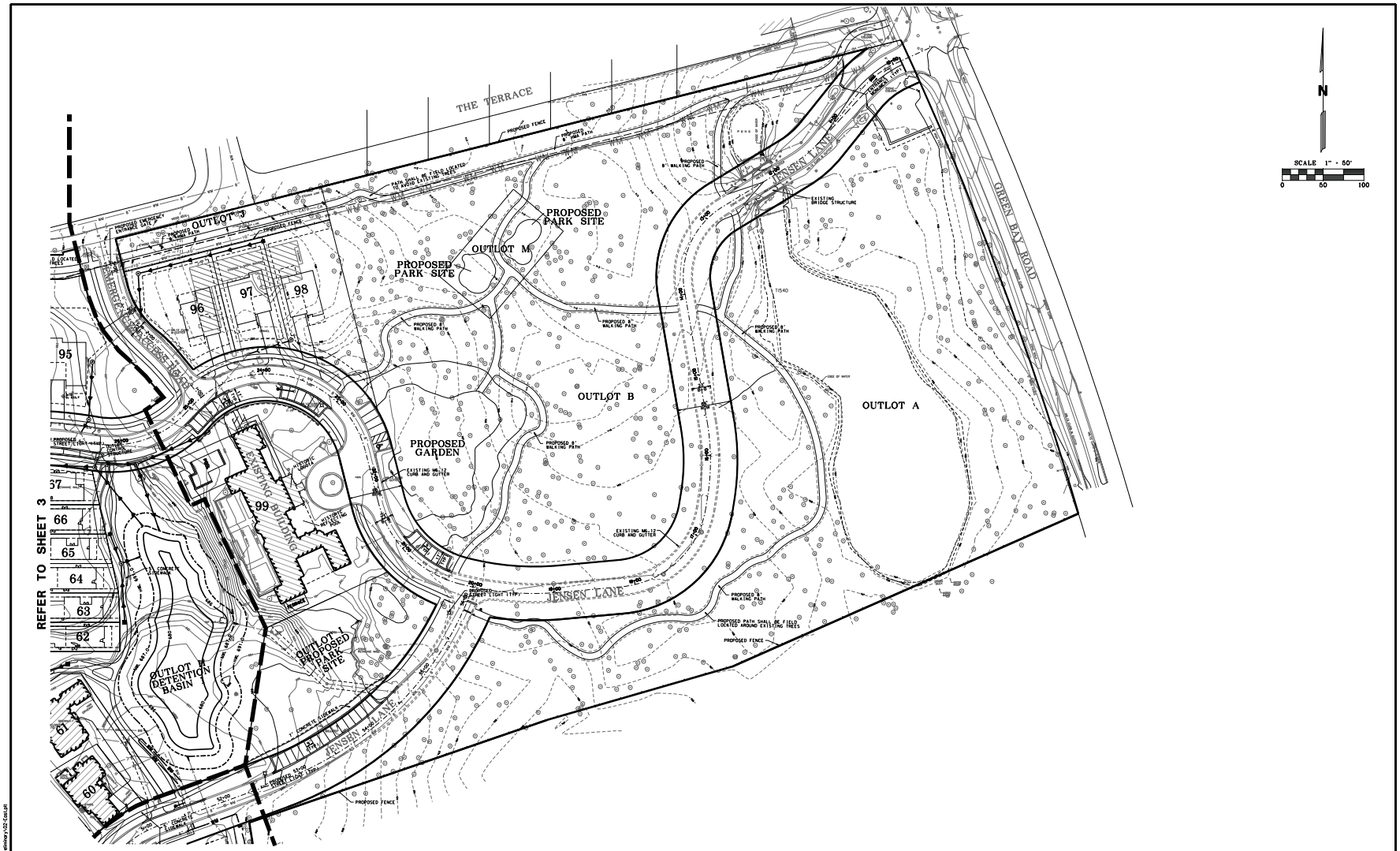

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7-17-14	REVISED PER VILLAGE COMMENTS	TKB
7-3-14	REVISED PER STORMWATER COMMENTS	TKB

DESIGNED	TKB
DRAWN	WHM
APPROVED	TKB
DATE	05-09-14
SCALE	1" = 50'

PRELIMINARY ENGINEERING PLAN - EAST STONEBRIDGE OF LAKE BLUFF LAKE BLUFF, ILLINOIS

SHEET 2 OF 4

PROJECT NUMBER 1300B

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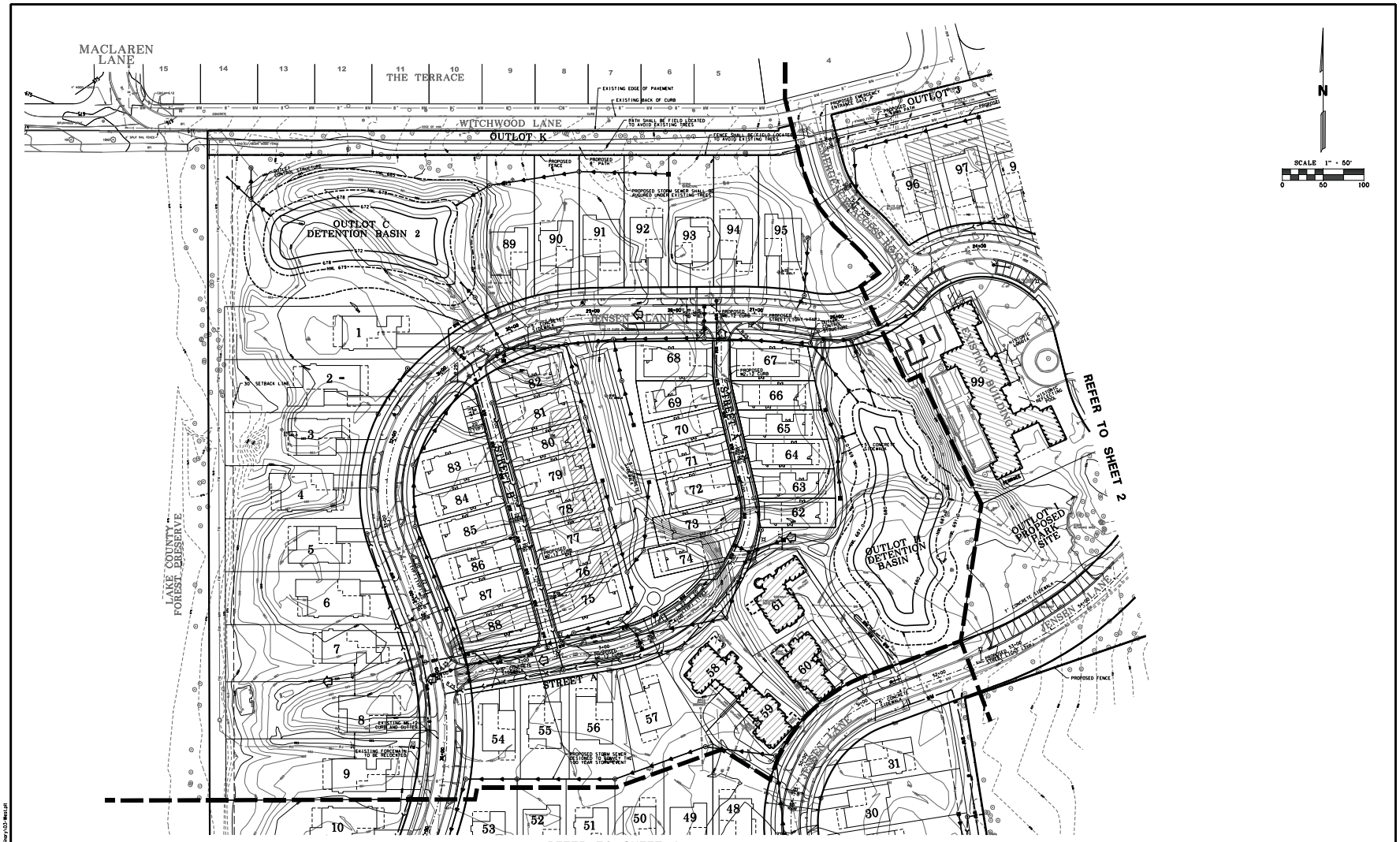

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DATE	DESCRIPTION OF REVISION	BY
8-1-14	REVISED PER VILLAGE COMMENTS	TKB
7-17-14	REVISED PER VILLAGE COMMENTS	TKB
7-3-14	REVISED PER STORMWATER COMMENTS	TKB

DESIGNED	TKB
DRAWN	WHM
APPROVED	TKB
DATE	05-09-14
SCALE	1" = 50'

PRELIMINARY ENGINEERING PLAN - WEST
STONEBRIDGE OF LAKE BLUFF
LAKE BLUFF, ILLINOIS

SHEET 3 OF 4

PROJECT NUMBER 1300B

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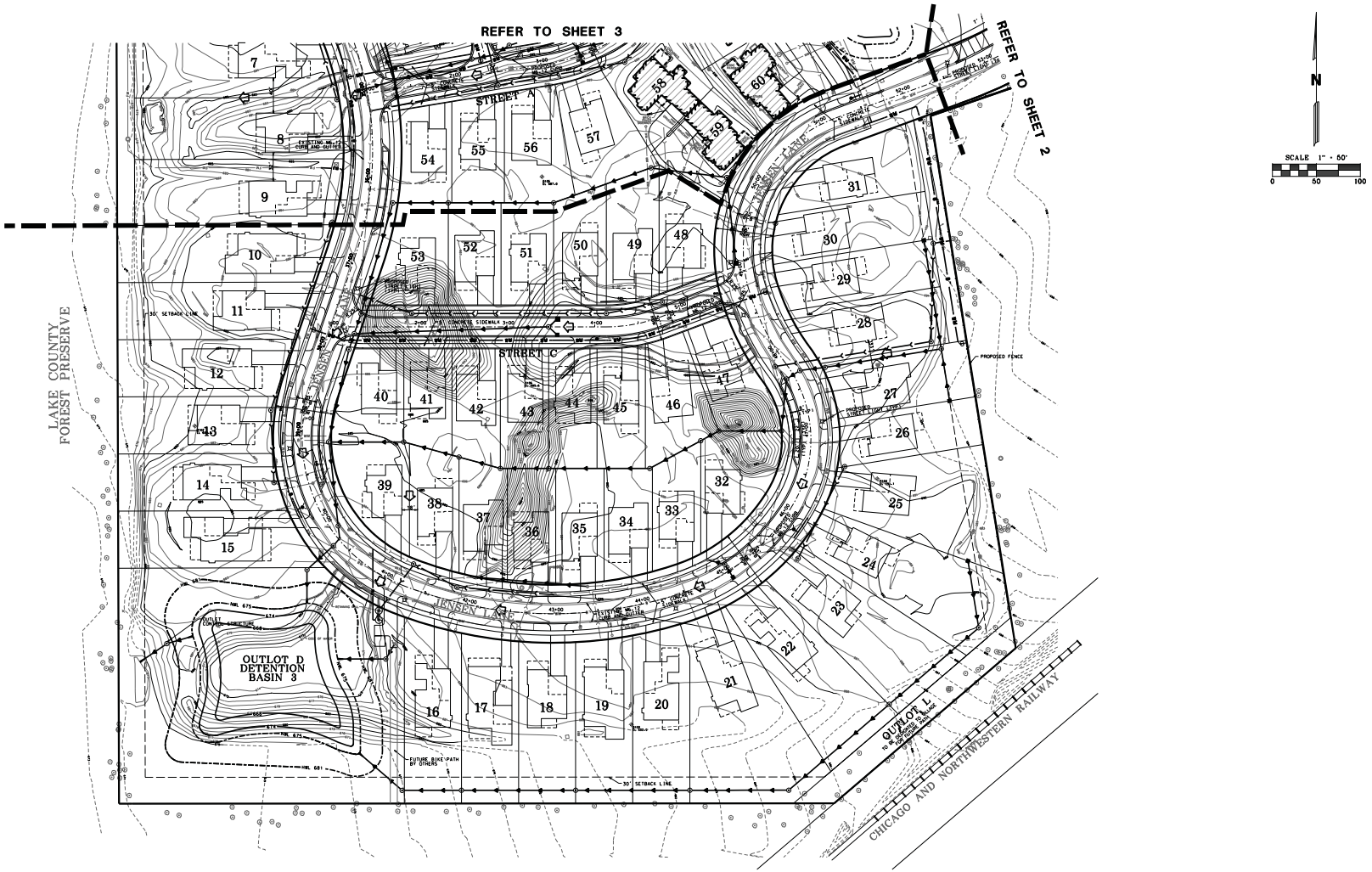

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7-17-14	REVISED PER VILLAGE COMMENTS	TKB
7-3-14	REVISED PER STORMWATER COMMENTS	TKB

DESIGNED	TKB
DRAWN	WHM
APPROVED	TKB
DATE	05-09-14
SCALE	1" = 50'

PRELIMINARY ENGINEERING PLAN - SOUTH
STONEBRIDGE OF LAKE BLUFF
LAKE BLUFF, ILLINOIS

SHEET 4 OF 4

PROJECT NUMBER 1300B

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