

ORIGINAL SUBMITTAL DATE  
FIRST SUBMITTAL MARCH 25, 2024

LEGAL DESCRIPTION  
AW0426 MCQUEEN, J. SUR., ACRES 47.985

WATERSHED STATUS  
THIS SITE IS LOCATED IN THE GRANGER LAKE-SAN GABRIEL  
WATERSHED OF THE BRAZOS RIVER BASIN

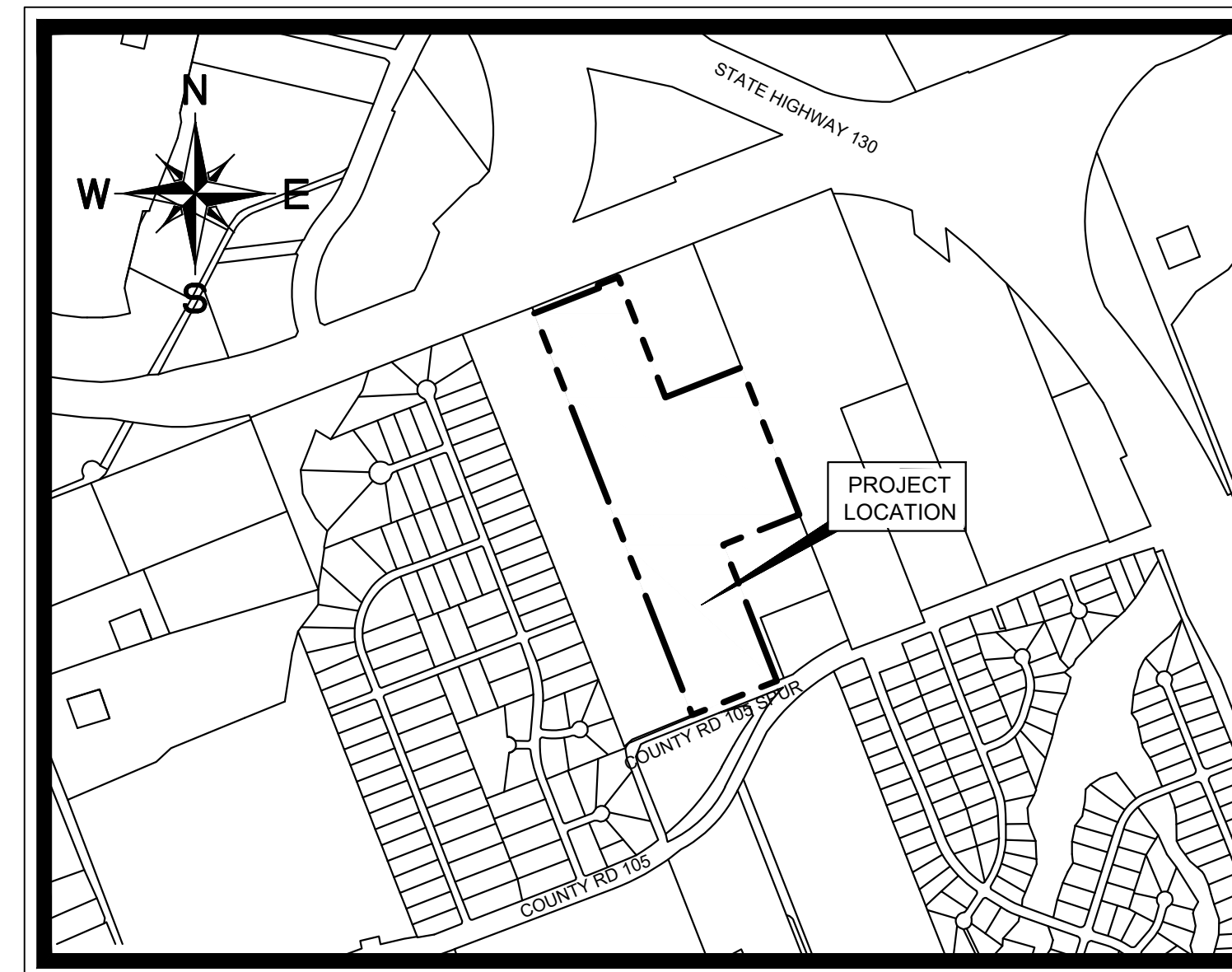
GENERAL PLAN NOTES:

1. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE REGISTERED PROFESSIONAL ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS THE CITY OF SAN MARCOS MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
2. NO PORTION OF THIS SITE IS LOCATED WITHIN THE 100YR FLOOD PLAIN, AS DESCRIBED IN FEMA FIRM NO. 48491C0505F, DATED DECEMBER 20, 2019, WILLIAMSON COUNTY, TX.
3. "PRELIMINARY. THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSES"
4. ALL LOTS WILL BE SERVED BY SEPTIC
5. WATER SERVICE TO BE PROVIDED BY: JONAH WATER

# PRELIMINARY SUBDIVISION PLAT FOR RCG 48

717 COUNTY ROAD 105 SPUR  
WILLIAMSON COUNTY, TX 78634

STREET SUMMARY							
STREET	TYPE	ROW	STREET LENGTH	SPEED DESIGN	PAVEMENT WIDTH	URBAN/RURAL	PUBLIC/PRIVATE
BISHOP BLVD	COLLECTOR	60'	2749'	35 MPH	34'	RURAL	PUBLIC
STOKES ST	COLLECTOR	60'	560'	35 MPH	34'	RURAL	PUBLIC



VICINITY MAP  
SCALE: 1" = 1,000'

STATE OF TEXAS §  
COUNTY OF WILLIAMSON §

I THE UNDERSIGNED, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, HEREBY CERTIFY THAT THE PLAT AND ALL PLANS AND SPECIFICATIONS WHICH ARE INCLUDED WITH THE PLAT ARE, TO THE BEST OF MY PROFESSIONAL CAPACITY, COMPLETE AND ACCURATE AND IN COMPLIANCE WITH ALL RELEVANT CITY ORDINANCES, CODES, PLANS, AND RELEVANT STATE STANDARDS.

BENJAMIN L. GREEN, PE

DATE

OWNER:  
REAL INTERNATIONAL REALTY  
11700 JOLLEYVILLE RD  
AUSTIN, TX 78759  
PH: (713) 623-2854  
ATTN: LYNN YUAN

ENGINEER:  
KIMLEY-HORN & ASSOCIATES  
5301 SOUTHWEST PKWY, BUILDING 2, SUITE 100  
AUSTIN, TX 78735  
PH: (512) 646-2243  
ATTN: BEN GREEN

SURVEYOR:  
KIMLEY-HORN & ASSOCIATES  
400 N. OKLAHOMA DR., SUITE 105  
CELINA, TX 75009  
PH: (972) 703-9693  
ATTN: MICHAEL SWAYNE

UTILITY CONTACTS:	
1. TELECOM COMPANY:	OPTIMUM
2. ELECTRIC COMPANY:	BETTY HARRIS, ONCOR, 662-660-4761
3. WATER:	JONAH WATER, 512-769-1286

PREPARED BY:  
**Kimley»Horn**

5301 SOUTHWEST PARKWAY, BUILDING 2, SUITE 100  
AUSTIN, TEXAS 78735  
CERTIFICATE OF REGISTRATION #928

Tel. No. (512) 418-1771  
Fax No. (512) 418-1791

SHEET INDEX

Sheet Number	Sheet Title
1	COVER SHEET
2	OVERALL PRELIMINARY PLAT
3	PLAT SHEET
4	EXISTING CONDITIONS AND DEMO PLAN
5	EXISTING DRAINAGE AREA MAP
6	PROPOSED DRAINAGE AREA MAP
7	POND PLAN
8	STORM PLAN
9	WATER PLAN
10	STREET CROSS SECTIONS

**Kimley»Horn**  
5301 SOUTHWEST PKWY, BUILDING 2, SUITE 100 AUSTIN, TEXAS  
78735  
PHONE: 512-418-1771 FAX: 512-418-1791  
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TPE Firm No. 828

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**Kimley»Horn**  
Engineer: CHANDLER C. BARKS  
P.E. No. 53192

06/10/2024

KHA PROJECT	DATE	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
069290903	JUNE 2024	AS SHOWN	CCB	SR	BLG

COVER SHEET

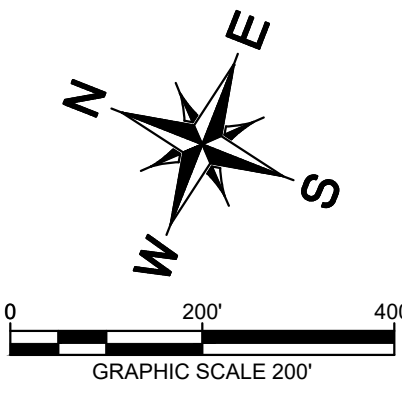
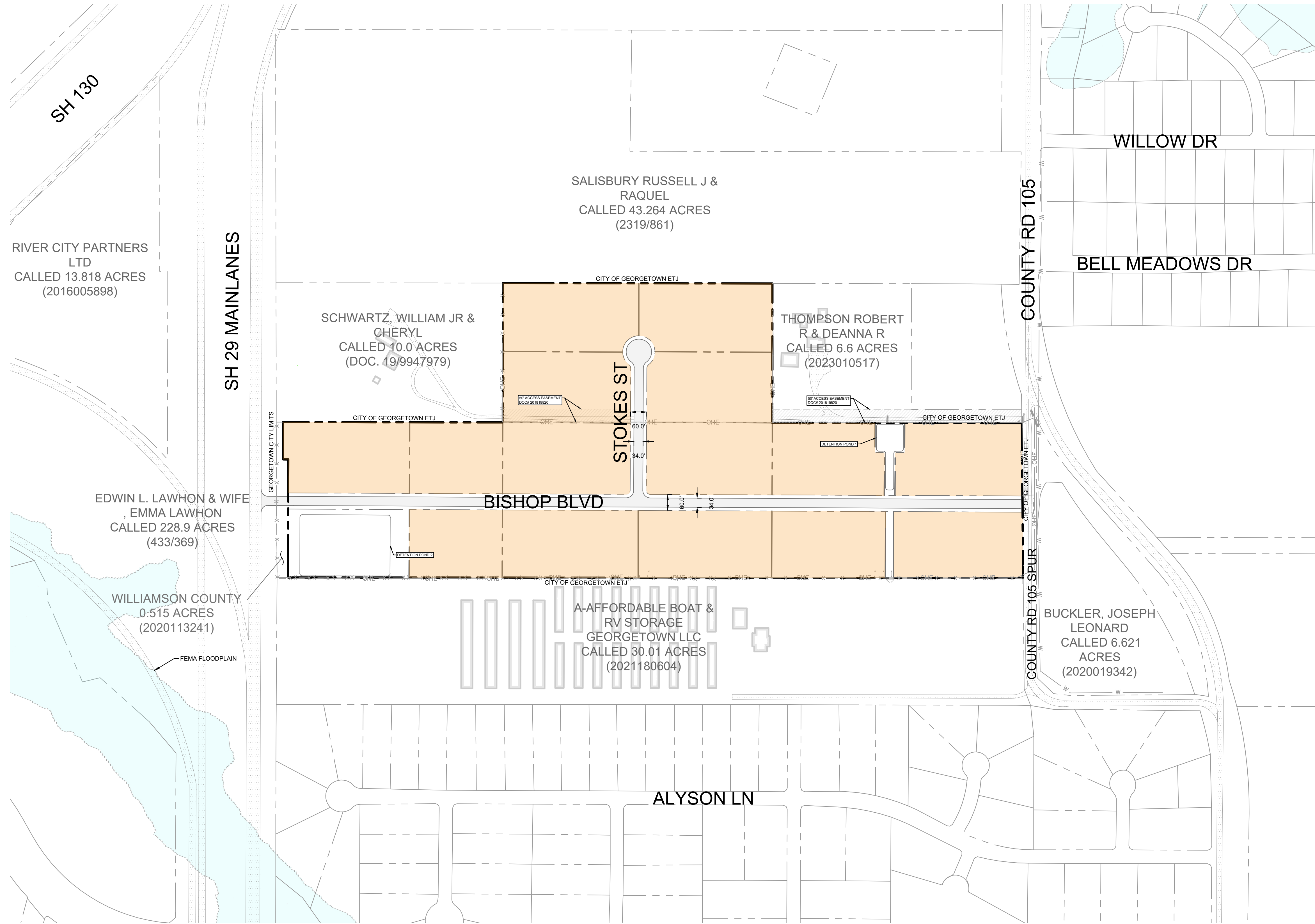
RCG 48  
PRELIMINARY PLAT  
WILLIAMSON COUNTY, TEXAS

SHEET NUMBER  
1 OF 10

Plotted By: Bishop, Eyon Date: June 10, 2024 02:37:20pm File Path: K:\SAU\_Civil\069290903 - RCG 48\Cad\ Preliminary\PlanSheets\1.C - Cover\_Sheet.dwg

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LEGEND

LOT DATA TABLE		
DESCRIPTION	LOTS	ACRES
RIGHT-OF-WAY	-	4.67
DRAINAGE LOTS	3	3.21
COMMERCIAL LOTS	15	40.12
TOTAL	18	48

- NOTE:  
 1. ALL LOTS WILL HAVE 15' P.U.E. OR 15' JONAH WATER EASEMENT ALONG STREET FRONTAGE.

COMMERCIAL LOTS

FEMA FLOODPLAIN

BENCHMARKS

BM#	N	E	ELEV.
BM 1	10195355.68'	3152716.81'	766.94'
BM 2	10195479.77'	3153021.86'	760.78'
BM 3	10195575.41'	3153265.83'	753.30'

**Kimley-Horn**  
 5301 SOUTHWEST PKWY, BUILDING 2, SUITE 100 AUSTIN, TEXAS 78735  
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 TPE Firm No. 828

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**Kimley-Horn**  
 Engineer: CHANDLER C. BANKS  
 P.E. No. 531987 State: TEXAS 08/09/24

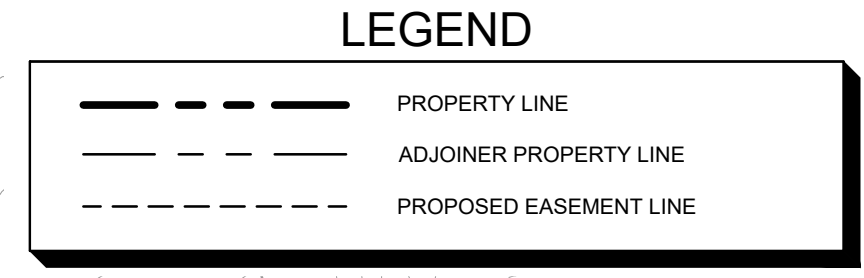
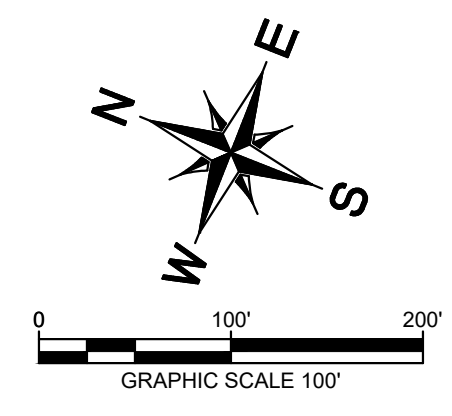
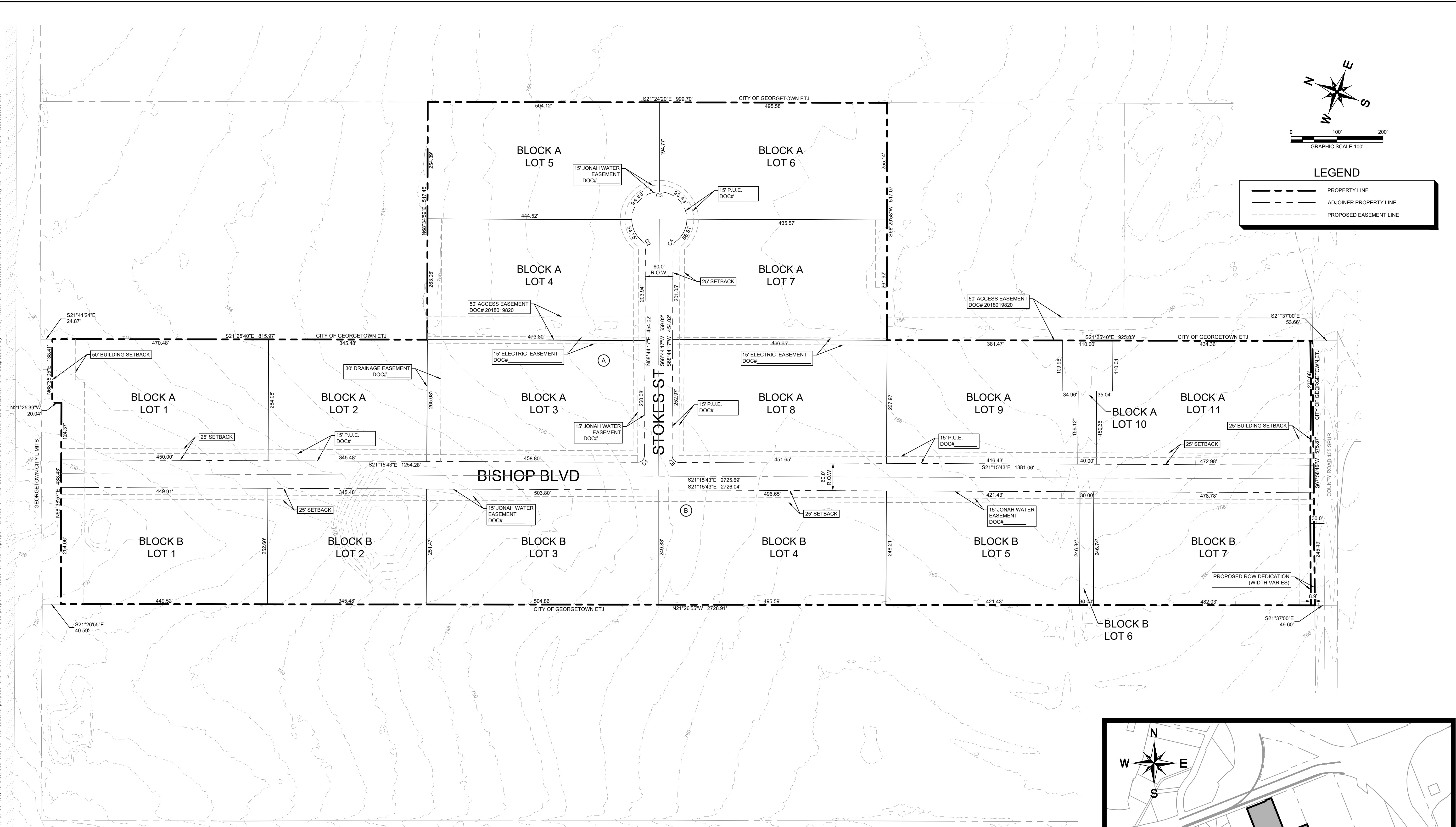
06/10/2024

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
069290903	JUNE 2024	AS SHOWN	CCB	SR	BLG

OVERALL PRELIMINARY  
 PLAT

RCG 48  
 PRELIMINARY PLAT  
 WILLIAMSON COUNTY, TEXAS

Plotted By: Bishop, Eyon Date: June 10, 2024 02:38:31pm File Path: K:\SAU\_C\A\069290903 - RCG\_48\A\069290903 - Preliminary\A\PlanSheets\C - Final Plotting  
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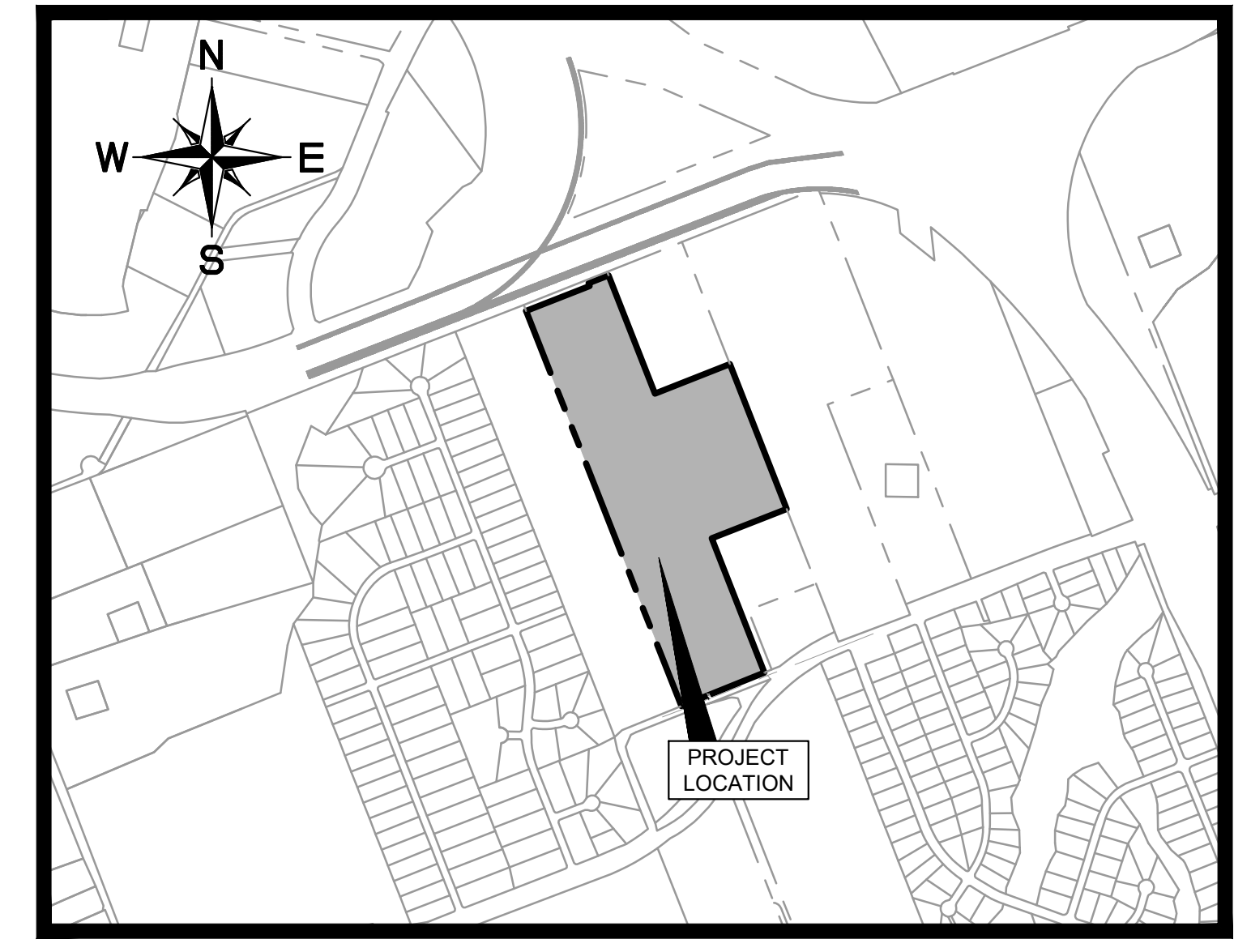


BLOCK A LOT TABLE		
LOT NO.	ACRES	SQ. FT.
1	2.786	121,372
2	2.098	91,408
3	2.882	125,546
4	2.838	123,642
5	2.887	125,740
6	2.832	123,349
7	2.776	120,941
8	2.870	125,002
9	2.479	107,997
10	0.424	18,469
11	2.832	123,356

BLOCK B LOT TABLE		
LOT NO.	ACRES	SQ. FT.
1	2.615	113,925
2	1.999	87,074
3	2.902	126,410
4	2.836	123,544
5	2.395	104,314
6	0.170	7,404
7	2.713	118,158

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	15.00'	23.56'	S66°15'43"E	21.21'	90°00'00"	15.00'
C2	15.00'	13.91'	N42°10'23"E	13.42'	53°07'48"	7.50'
C3	60.00'	299.77'	S21°15'43"E	72.00'	286°15'37"	45.00'
C4	15.00'	13.91'	N84°41'49"W	13.42'	53°07'48"	7.50'
C5	15.00'	23.56'	S23°44'17"W	21.21'	90°00'00"	15.00'

- NOTE:
- THIS IS A COMMERCIAL SUBDIVISION AND THERE WILL BE NO RESIDENTIAL DEVELOPMENT ONSITE.
  - ALL SIDEWALKS SHALL BE MAINTAINED BY EACH OF THE ADJACENT PROPERTY OWNERS.
  - WATER SERVICE IS PROVIDED BY JONAH WATER.
  - A DRIVEWAY PERMIT WILL BE REQUIRED FOR ANY MODIFICATIONS OR RELOCATIONS OF THE EXISTING DRIVEWAYS/ACCESS OR PROPOSED DRIVEWAYS.
  - LOT 10 BLK A, LOT 1 BLK B, AND LOT 6 BLK B WILL NEVER BE SERVICED BY OSSF.
  - MAXIMUM ADT GOING THROUGH THIS SUBDIVISION SHALL NOT EXCEED 4000 ADT.



VICINITY MAP  
SCALE: 1" = 1,000'

No.	REVISIONS	DATE	BY

**Kimley-Horn**  
 5301 SOUTHWEST PKWY, BUILDING 2, SUITE 100 AUSTIN, TEXAS 78735  
 PHONE: 512-418-7171 FAX: 512-418-1791  
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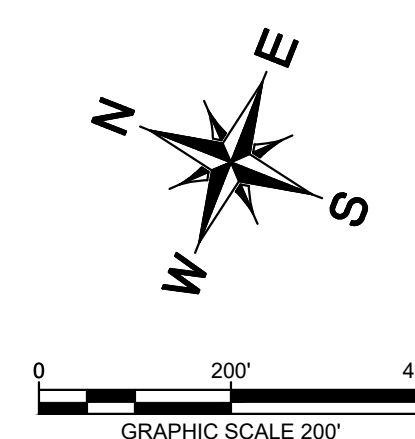
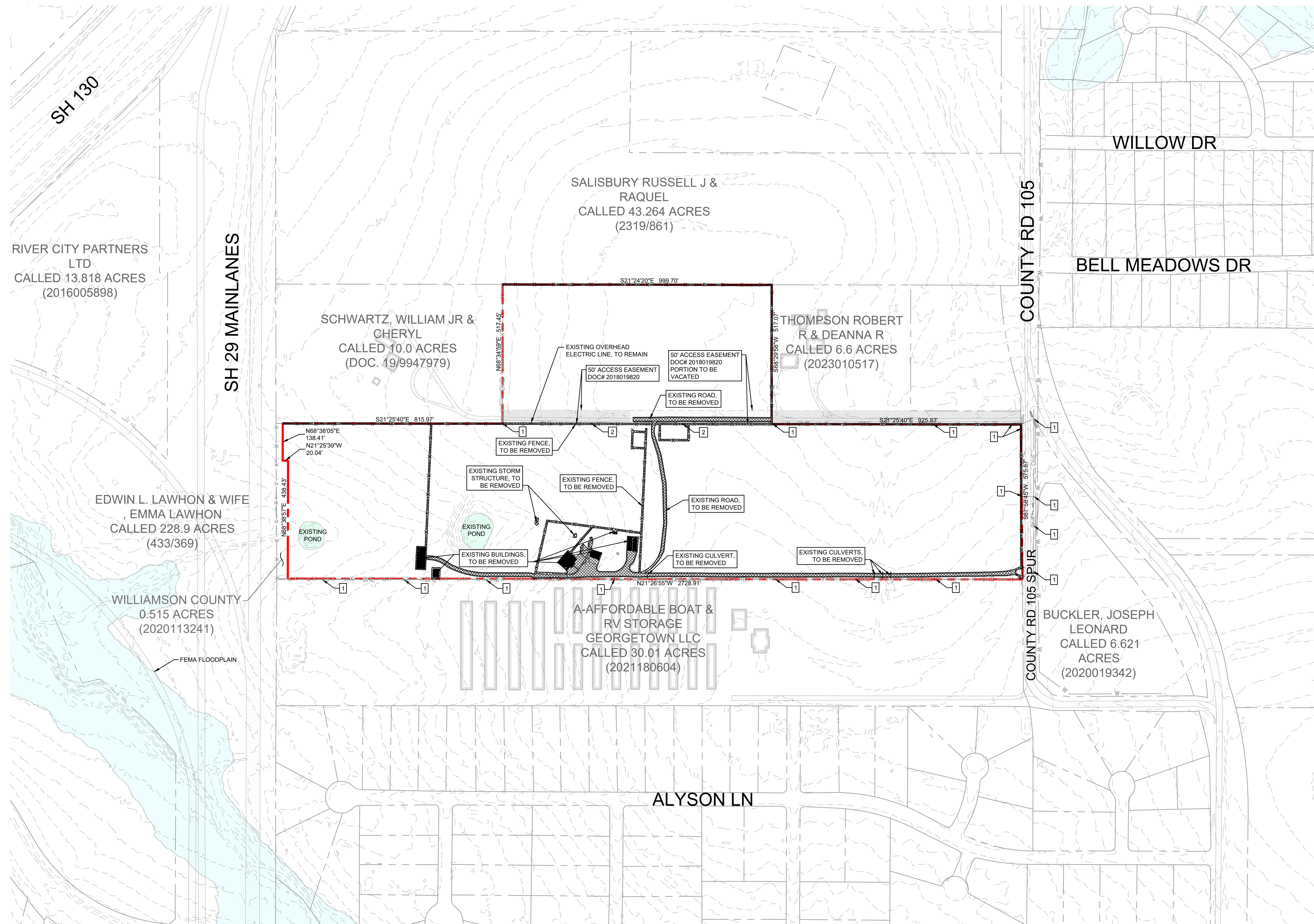
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**Kimley-Horn**  
 Engineer: CHANDLER C. BANKS  
 P.E. No. 53192 State: TEXAS 2019024

KHA PROJECT	069290903	DATE	JUNE 2024	SCALE	AS SHOWN	DESIGNED BY	CCB	SR	BLG
		DRAWN BY		CHECKED BY					

PLAT SHEET

**RCG 48**  
**PRELIMINARY PLAT**  
 WILLIAMSON COUNTY, TEXAS

Plotted By: Bishop, Eyon Date: June 10, 2024 02:39:05pm File Path: \\SAU-CVA\068290903 - RCG 48\068290903 - Existing Conditions and Demo Plan.dwg  
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**LEGEND**

	PROPERTY LINE
	EXISTING OVERHEAD POWER LINE
	EXISTING WATER LINE
	EXISTING WASTEWATER LINE
	EXISTING STORM SEWER LINE
	EXISTING POWER POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING WATER METER
	EXISTING WASTEWATER MANHOLE
	EXISTING FENCE
	DEMOLITION AREA: ITEMS TO BE REMOVED
	TREE TO REMAIN
	TREE TO BE REMOVED
	HERITAGE TREE
	FEMA FLOODPLAIN

**KEY MAP**

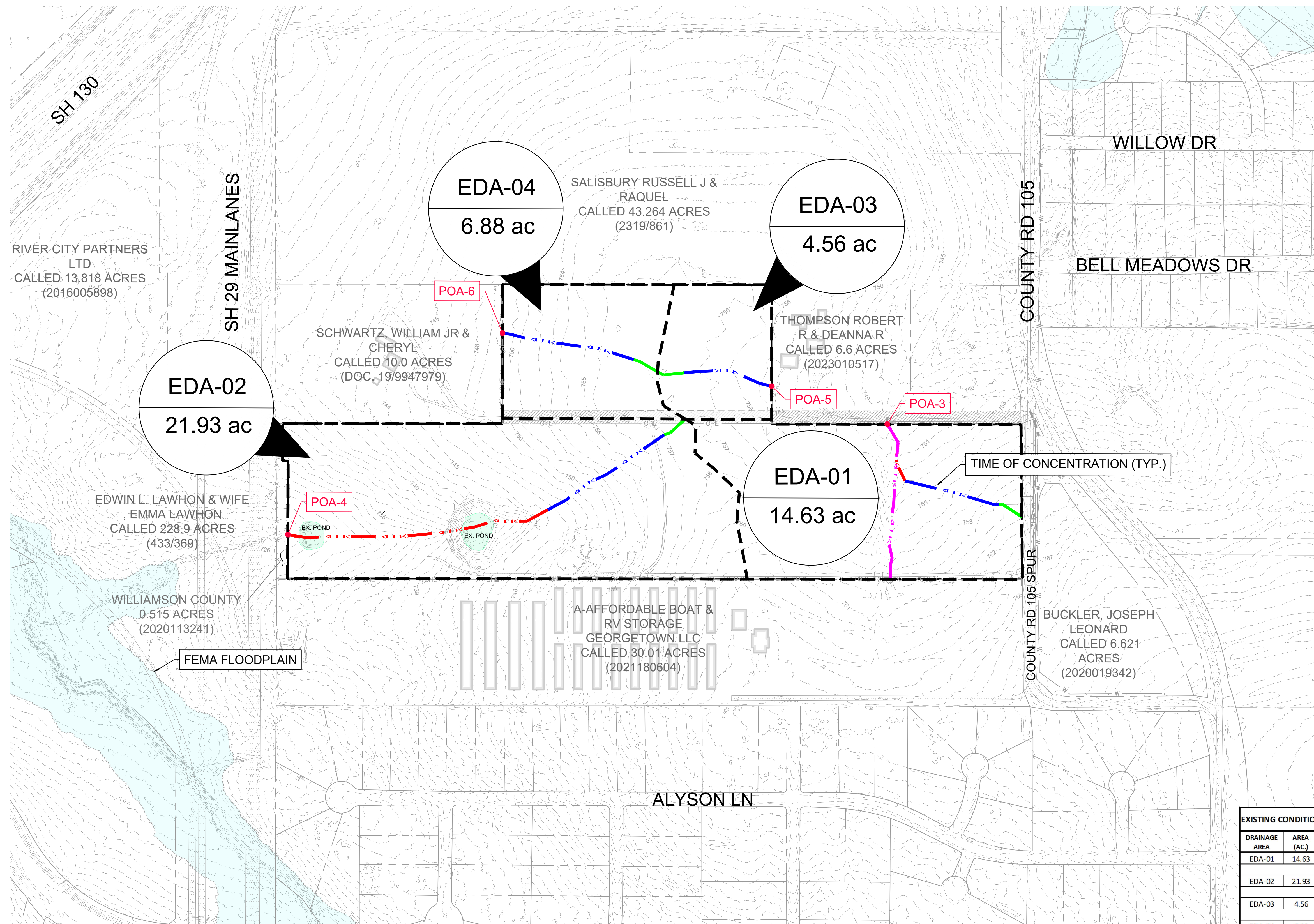
	= EXISTING POWER POLE, TO REMAIN
	= EXISTING POWER POLE, TO BE REMOVED

**BENCHMARKS**

TBM:		
BM 1	BM 2	BM 3
N:10195355.68'	N:10195479.77'	N:10195575.41'
E:3152716.81'	E:3153021.86'	E:3153265.83'
ELEV:766.94'	ELEV:760.78'	ELEV:753.30'

<p><b>Kimley»Horn</b></p> <p>5301 SOUTHWEST PKWY., BUILDING 2, SUITE 100 AUSTIN, TEXAS 78735          PHONE: 512-418-7171 FAX: 512-418-1791          WWW.KIMLEY-HORN.COM          © 2024 KIMLEY-HORN AND ASSOCIATES, INC.          TPE Firm No. 828</p>	<p>FOR REVIEW ONLY          Not for construction or permit purposes.</p> <p><b>Kimley»Horn</b></p> <p>Engineer: CHANDLER C. BANKS          P.E. No. 33192      Exp. 06/30/24</p>																								
<p>06/10/2024</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>KHA PROJECT</td> <td>DATE</td> <td>SCALE</td> <td>DESIGNED BY</td> <td>SR</td> <td>BLG</td> </tr> <tr> <td>069290903</td> <td>JUNE 2024</td> <td>AS SHOWN</td> <td>CCB</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>DRAWN BY:</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>CHECKED BY:</td> <td></td> <td></td> </tr> </table>	KHA PROJECT	DATE	SCALE	DESIGNED BY	SR	BLG	069290903	JUNE 2024	AS SHOWN	CCB						DRAWN BY:						CHECKED BY:			<p><b>EXISTING CONDITIONS AND DEMO PLAN</b></p>
KHA PROJECT	DATE	SCALE	DESIGNED BY	SR	BLG																				
069290903	JUNE 2024	AS SHOWN	CCB																						
			DRAWN BY:																						
			CHECKED BY:																						
<p><b>RCG 48</b></p> <p><b>PRELIMINARY PLAT</b></p> <p>WILLIAMSON COUNTY, TEXAS</p>	<p>SHEET NUMBER</p> <p><b>4 OF 10</b></p>																								
<p>REVISIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	DATE	BY				<p>DATE</p>																		
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**LEGEND**

- X-1 AREA DESIGNATOR
- 9.9 ac AREA IN ACRES
- Q100 FLOW IN CFS
- PROPERTY LINE
- EXISTING STORM DRAIN LINE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN HEADWALL
- EXISTING FLOW DIRECTION
- EXISTING CONTOUR
- CHANNEL FLOW
- SHALLOW CONCENTRATED FLOW
- SHEET FLOW
- TRANSLATION
- FEMA 100 YR FLOODPLAIN

**NOTES:**  
 1. RAINFALL DATA FROM WILLIAMSON COUNTY (2021 WCSR B11.5) EXHIBIT 2 - TABLE 2 UTILIZED.

**EXISTING TIME OF CONCENTRATION CALCULATIONS**

EDA-01		
Sheet Flow	Shallow	Channel Flow
n= 0.15 paved?	no	v (fps)= 6
S (ft/ft)= 0.010	S (ft/ft)= 0.016	L (ft)= 230
L (ft)= 100	L (ft)= 358	
T <sub>11</sub> = 12.5	T <sub>12</sub> = 2.9	T <sub>13</sub> = 0.6
<b>Total TC = 16.0 mins</b>		

EDA-02		
Sheet Flow	Shallow	Channel Flow
n= 0.15 paved?	no	v (fps)= 6
S (ft/ft)= 0.009	S (ft/ft)= 0.022	L (ft)= 984
L (ft)= 100	L (ft)= 516	
T <sub>11</sub> = 13.0	T <sub>12</sub> = 3.6	T <sub>13</sub> = 2.7
<b>Total TC = 19.3 mins</b>		

EDA-03		
Sheet Flow	Shallow	Channel Flow
n= 0.15 paved?	no	v (fps)= 6
S (ft/ft)= 0.010	S (ft/ft)= 0.009	L (ft)= 0
L (ft)= 100	L (ft)= 339	
T <sub>11</sub> = 12.5	T <sub>12</sub> = 3.8	T <sub>13</sub> = 0.0
<b>Total TC = 16.3 mins</b>		

EDA-04		
Sheet Flow	Shallow	Channel Flow
n= 0.15 paved?	no	v (fps)= 6
S (ft/ft)= 0.010	S (ft/ft)= 0.015	L (ft)= 0
L (ft)= 100	L (ft)= 499	
T <sub>11</sub> = 12.5	T <sub>12</sub> = 4.3	T <sub>13</sub> = 0.0
<b>Total TC = 16.7 mins</b>		

**EXISTING CONDITIONS (ON-SITE)**

DRAINAGE AREA	AREA (AC.)	IMPERVIOUS COVER	BASE CN (COMPOSITE)	TC (MIN)*	Q <sub>2</sub> (CFS)	Q <sub>10</sub> (CFS)	Q <sub>25</sub> (CFS)	Q <sub>100</sub> (CFS)
EDA-01	14.63	0%	78	16.0	28.80	55.40	74.60	105.80
		<b>POA-3</b>			<b>28.80</b>	<b>55.40</b>	<b>74.60</b>	<b>105.80</b>
EDA-02	21.93	2%	78	19.3	41.50	80.40	107.40	151.30
		<b>POA-4</b>			<b>41.50</b>	<b>80.40</b>	<b>107.40</b>	<b>151.30</b>
EDA-03	4.56	0%	78	16.3	8.90	17.20	23.00	32.60
		<b>POA-5</b>			<b>8.90</b>	<b>17.20</b>	<b>23.00</b>	<b>32.60</b>
EDA-04	6.88	0%	78	16.7	13.40	25.90	34.60	48.60
		<b>POA-6</b>			<b>13.40</b>	<b>25.90</b>	<b>34.60</b>	<b>48.60</b>

\*MINIMUM TIME OF CONCENTRATION USED FOR DESIGN = 5 MINUTES

**DEPTH-DURATION-FREQUENCY VALUES SAN GABRIEL RIVER ZONE**

DURATION	2-YR	10-YR	25-YR	100-YR
5 MIN	0.51	0.757	0.921	1.19
15 MIN	1.02	1.51	1.84	2.37
1 HR	1.88	2.79	3.40	4.39
2 HR	2.30	3.55	4.43	5.98
3 HR	2.55	4.02	5.09	7.06
6 HR	2.98	4.81	6.18	8.75
12 HR	3.44	5.54	7.12	10.10
24 HR	3.94	6.30	8.04	11.20

**BENCHMARKS**

BM	N	E	ELEV.
BM 1	N:10195355.68'	E:3152716.81'	ELEV:766.94'
BM 2	N:10195479.77'	E:3153021.86'	ELEV:760.78'
BM 3	N:10195575.41'	E:3153265.83'	ELEV:753.30'

NO.
REVISIONS
DATE

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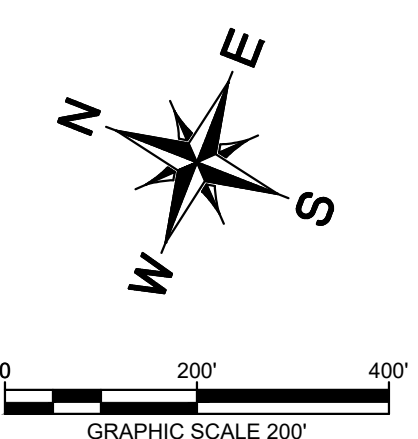
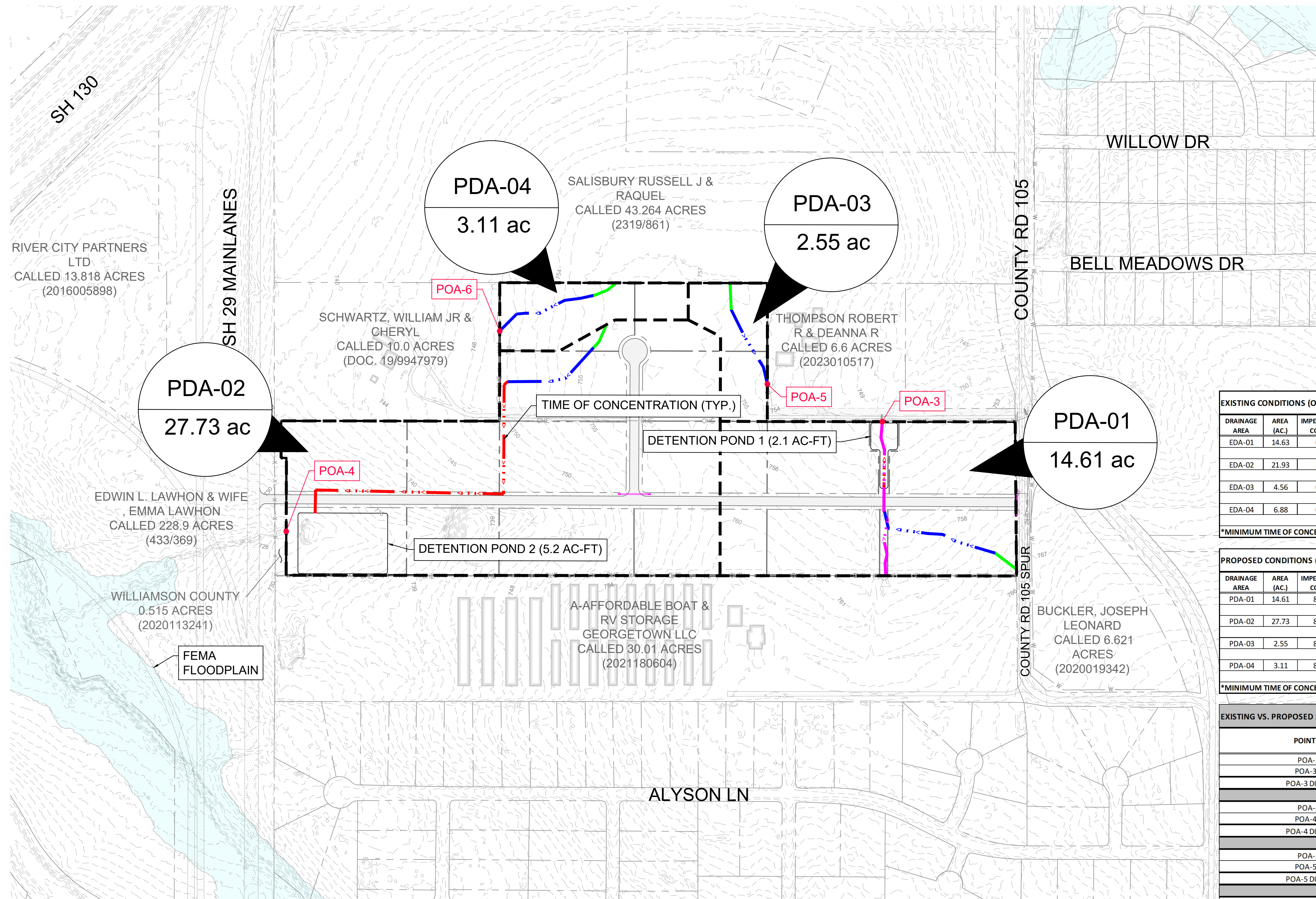
KHA PROJECT 069290903  
 DATE JUNE 2024  
 SCALE AS SHOWN  
 DESIGNED BY CCB  
 DRAWN BY SR  
 CHECKED BY BLG

EXISTING DRAINAGE AREA MAP

RCG 48 PRELIMINARY PLAT  
 WILLIAMSON COUNTY, TEXAS

SHEET NUMBER  
**5 OF 10**

Plotted By: B. Blyden, Date: June 10, 2024, 02:42:02pm. File Path: \\SAU-CVA\069290903 - RCG 48\48\069290903 - Preliminary\Area Map.dwg. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



### LEGEND

- X-1 AREA DESIGNATOR
- 9.9 ac AREA IN ACRES
- Q100 FLOW IN CFS Q100 FLOW IN CFS
- PROPERTY LINE
- EXISTING STORM DRAIN LINE
- EXISTING DRAINAGE DIVIDE
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN HEADWALL
- EXISTING FLOW DIRECTION
- EXISTING CONTOUR
- CHANNEL FLOW
- SHALLOW CONCENTRATED FLOW
- SHEET FLOW
- TRANSLATION
- FEMA 100 YR FLOODPLAIN

**NOTES:**  
 1. RAINFALL DATA FROM WILLIAMSON COUNTY (2021 WCSR B11.5)  
 EXHIBIT 2 - TABLE 2 UTILIZED.

EXISTING CONDITIONS (ON-SITE)									
DRAINAGE AREA	AREA (AC)	IMPERVIOUS COVER	BASE CN (COMPOSITE)	TC (MIN)*	Q <sub>2</sub> (CFS)	Q <sub>10</sub> (CFS)	Q <sub>25</sub> (CFS)	Q <sub>100</sub> (CFS)	
EDA-01	14.63	0%	78	16.0	28.80	55.40	74.60	105.80	
					<b>POA-3</b>	<b>28.80</b>	<b>55.40</b>	<b>74.60</b>	<b>105.80</b>
EDA-02	21.93	2%	78	19.3	41.50	80.40	107.40	151.30	
					<b>POA-4</b>	<b>41.50</b>	<b>80.40</b>	<b>107.40</b>	<b>151.30</b>
EDA-03	4.56	0%	78	16.3	8.90	17.20	23.00	32.60	
					<b>POA-5</b>	<b>8.90</b>	<b>17.20</b>	<b>23.00</b>	<b>32.60</b>
EDA-04	6.88	0%	78	16.7	13.40	25.90	34.60	48.60	
					<b>POA-6</b>	<b>13.40</b>	<b>25.90</b>	<b>34.60</b>	<b>48.60</b>
<b>*MINIMUM TIME OF CONCENTRATION USED FOR DESIGN = 5 MINUTES</b>									

PROPOSED CONDITIONS (ON-SITE)									
DRAINAGE AREA	AREA (AC)	IMPERVIOUS COVER	BASE CN (COMPOSITE)	TC (MIN)*	Q <sub>2</sub> (CFS)	Q <sub>10</sub> (CFS)	Q <sub>25</sub> (CFS)	Q <sub>100</sub> (CFS)	
PDA-01	14.61	80%	78	11.5	54.60	83.90	103.70	135.80	
					<b>POA-3</b>	<b>28.50</b>	<b>54.70</b>	<b>74.00</b>	<b>105.80</b>
PDA-02	27.73	80%	78	18.9	86.30	132.90	164.40	215.30	
					<b>POA-4</b>	<b>40.60</b>	<b>76.80</b>	<b>105.50</b>	<b>151.30</b>
PDA-03	2.55	80%	78	17.0	8.10	12.40	15.40	20.10	
					<b>POA-5</b>	<b>8.10</b>	<b>12.40</b>	<b>15.40</b>	<b>20.10</b>
PDA-04	3.11	80%	78	15.0	10.50	16.20	20.10	26.30	
					<b>POA-6</b>	<b>10.50</b>	<b>16.20</b>	<b>20.10</b>	<b>26.30</b>
<b>*MINIMUM TIME OF CONCENTRATION USED FOR DESIGN = 5 MINUTES</b>									

EXISTING VS. PROPOSED SUMMARY				
POINT OF ANALYSIS	Q <sub>2</sub> (CFS)	Q <sub>10</sub> (CFS)	Q <sub>25</sub> (CFS)	Q <sub>100</sub> (CFS)
POA-3 (EXISTING)	28.80	55.40	74.60	105.80
POA-3 (PROPOSED)	28.50	54.70	74.00	105.80
POA-3 DIFFERENCE (CFS)	0.30	0.70	0.60	0.00
POA-4 (EXISTING)	41.50	80.40	107.40	151.30
POA-4 (PROPOSED)	40.60	76.80	105.50	151.30
POA-4 DIFFERENCE (CFS)	0.90	3.60	1.90	0.00
POA-5 (EXISTING)	8.90	17.20	23.00	32.60
POA-5 (PROPOSED)	8.10	12.40	15.40	20.10
POA-5 DIFFERENCE (CFS)	0.80	4.80	7.60	12.50
POA-6 (EXISTING)	13.40	25.90	34.60	48.60
POA-6 (PROPOSED)	10.50	16.20	20.10	26.30
POA-6 DIFFERENCE (CFS)	2.90	9.70	14.50	22.30

PDA-01									
Sheet Flow	Shallow	Shallow	Channel Flow	Pipe Flow					
n= 0.15 paved?	no paved?	no paved?	yes v (fps)=	6 v (fps)=	8				
S (ft/ft)= 0.035	S (ft/ft)= 0.019	S (ft/ft)= 0.000	L (ft)= 314.963	L (ft)=	76				
L (ft)= 100	L (ft)= 392	L (ft)= 0	T <sub>11</sub> = 7.6	T <sub>12</sub> = 2.9	T <sub>13</sub> = 0.0	T <sub>14</sub> = 0.9	T <sub>15</sub> = 0.2		
<b>Total TC = 11.5 mins</b>									

PDA-03									
Sheet Flow	Shallow	Shallow	Channel Flow	Pipe Flow					
n= 0.15 paved?	no paved?	no paved?	yes v (fps)=	6 v (fps)=	8				
S (ft/ft)= 0.009	S (ft/ft)= 0.006	S (ft/ft)= 0.000	L (ft)= 0	L (ft)= 0	0				
L (ft)= 100	L (ft)= 311	L (ft)= 0	T <sub>11</sub> = 13.0	T <sub>12</sub> = 4.0	T <sub>13</sub> = 0.0	T <sub>14</sub> = 0.0	T <sub>15</sub> = 0.0		
<b>Total TC = 17.0 mins</b>									

PDA-02									
Sheet Flow	Shallow	Shallow	Channel Flow	Pipe Flow					
n= 0.15 paved?	no paved?	no paved?	yes v (fps)=	6 v (fps)=	8				
S (ft/ft)= 0.010	S (ft/ft)= 0.015	S (ft/ft)= 0.000	L (ft)= 1129	L (ft)=	87				
L (ft)= 100	L (ft)= 371	L (ft)= 0	T <sub>11</sub> = 12.5	T <sub>12</sub> = 3.1	T <sub>13</sub> = 0.0	T <sub>14</sub> = 3.1	T <sub>15</sub> = 0.2		
<b>Total TC = 18.9 mins</b>									

PDA-04									
Sheet Flow	Shallow	Shallow	Channel Flow	Pipe Flow					
n= 0.15 paved?	no paved?	no paved?	yes v (fps)=	6 v (fps)=	8				
S (ft/ft)= 0.012	S (ft/ft)= 0.014	S (ft/ft)= 0.000	L (ft)= 0	L (ft)= 0	0				
L (ft)= 100	L (ft)= 391	L (ft)= 0	T <sub>11</sub> = 11.6	T <sub>12</sub> = 3.4	T <sub>13</sub> = 0.0	T <sub>14</sub> = 0.0	T <sub>15</sub> = 0.0		
<b>Total TC = 15.0 mins</b>									

DEPTH-DURATION-FREQUENCY VALUES SAN GABRIEL RIVER ZONE				
DURATION	2-YR	10-YR	25-YR	100-YR
5 MIN	0.51	0.757	0.921	1.19
15 MIN	1.02	1.51	1.84	2.37
1 HR	1.88	2.79	3.40	4.39
2 HR	2.30	3.55	4.43	5.98
3 HR	2.55	4.02	5.09	7.06
6 HR	2.98	4.81	6.18	8.75
12 HR	3.44	5.54	7.12	10.10
24 HR	3.94	6.30	8.04	11.20

BENCHMARKS		
BM 1 N:10195355.68' E:3152716.81' ELEV:766.94'	BM 2 N:10195479.77' E:3153021.86' ELEV:760.78'	BM 3 N:10195575.41' E:3153265.83' ELEV:753.30'

NO.
REVISIONS
DATE

5301 SOUTHWEST PKWY, BUILDING 2, SUITE 100 AUSTIN, TEXAS 78735

PHONE: 512-418-7171 FAX: 512-418-1791

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KHA PROJECT  
069290903

DATE  
JUNE 2024

SCALE  
AS SHOWN

DESIGNED BY  
CCB

DRAWN BY  
SR

CHECKED BY  
BLG

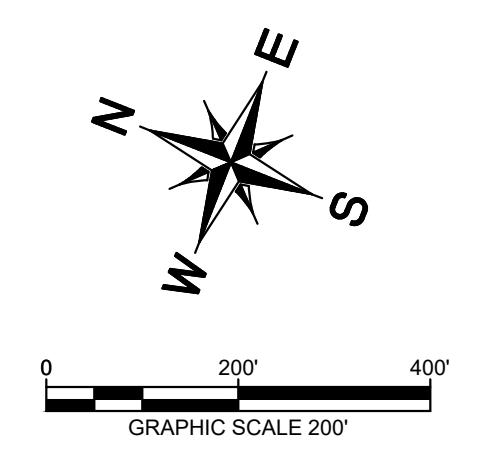
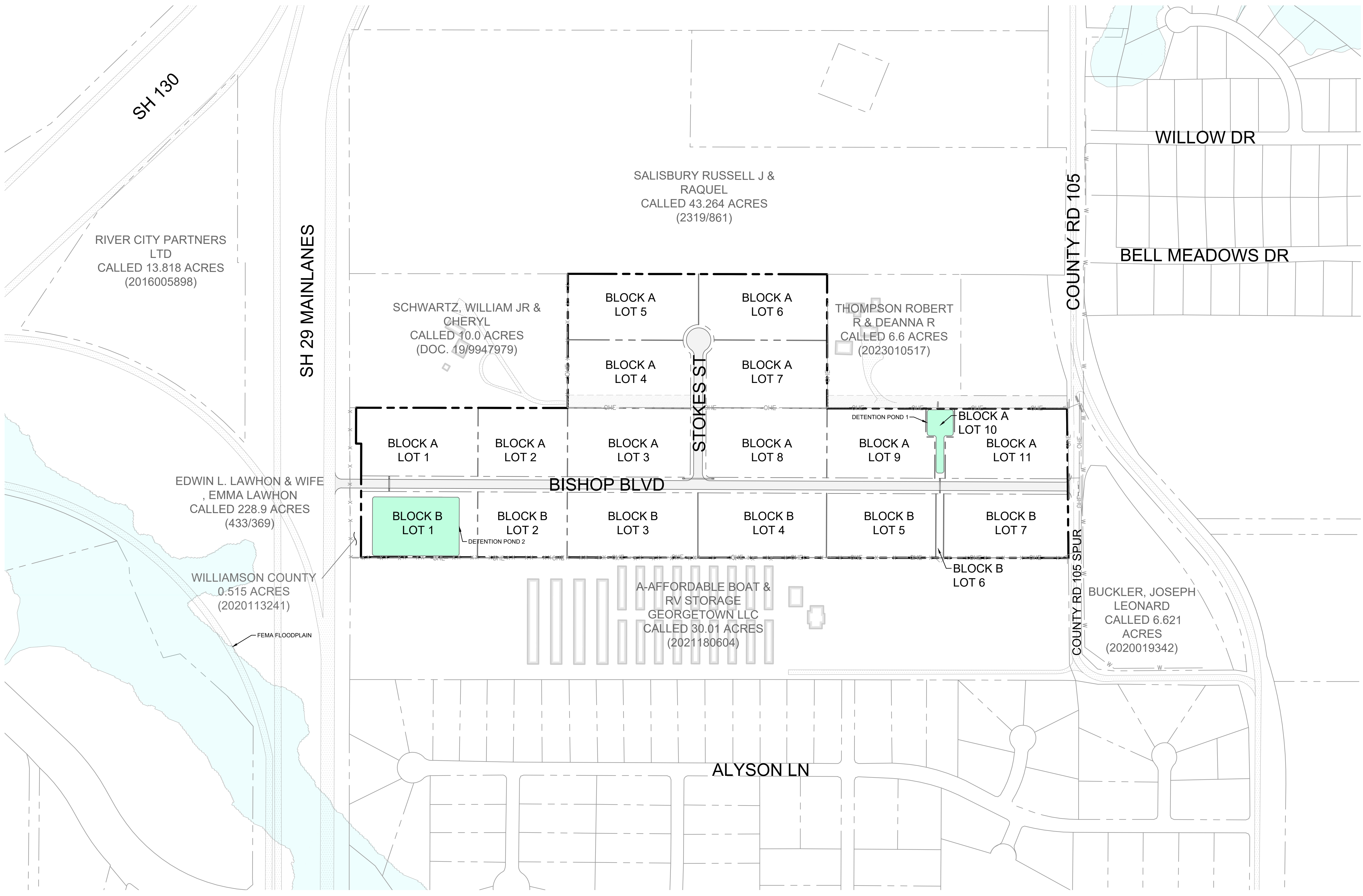
PROPOSED DRAINAGE AREA MAP

RCG 48 PRELIMINARY PLAT

WILLIAMSON COUNTY, TEXAS

6 OF 10

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**BENCHMARKS**

BM#	N	E	ELEV
BM 1	N:10195355.68'	E:3152716.81'	ELEV:766.94'
BM 2	N:10195479.77'	E:3153021.86'	ELEV:760.78'
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No.	REVISIONS	DATE	BY

**Kimley»Horn**  
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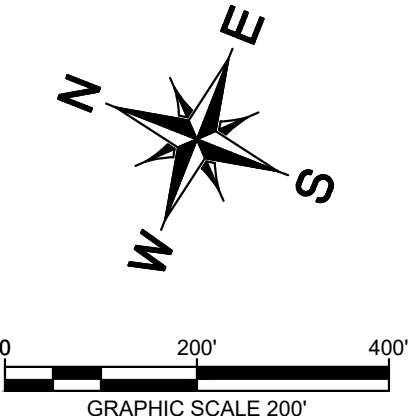
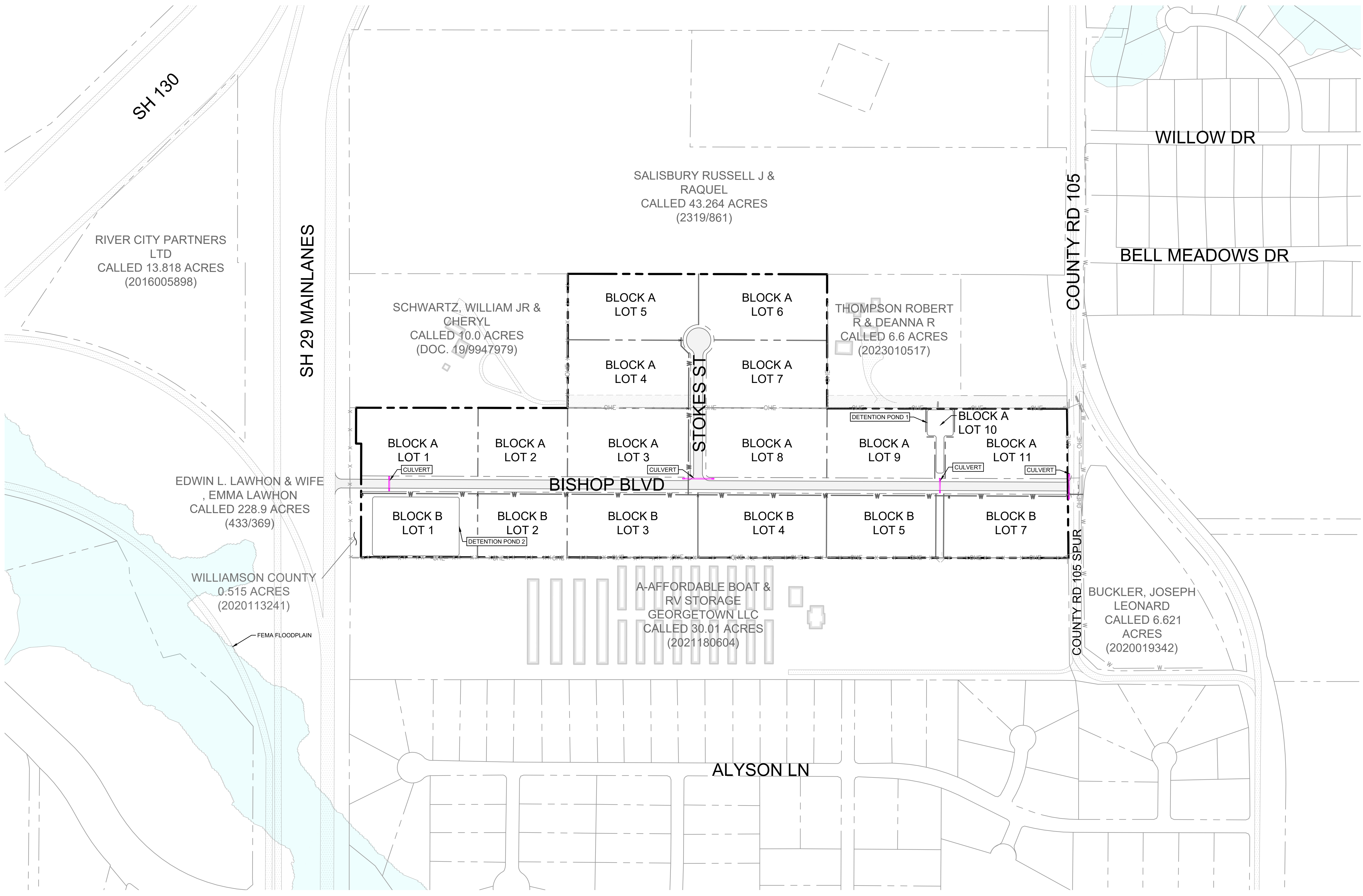
06/10/2024

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**POND PLAN**

**RCG 48  
 PRELIMINARY PLAT**  
 WILLIAMSON COUNTY, TEXAS

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**LEGEND**

	PROPERTY LINE
	PROPOSED WASTEWATER LINE
	PROPOSED WATER LINE
	PROPOSED STORM DRAIN LINE
	PROPOSED STORM DRAIN INLET
	EXISTING WATER LINE
	EXISTING WASTEWATER LINE
	EXISTING STORM SEWER LINE
	FEMA FLOODPLAIN

**BENCHMARKS**

BM	N	E	ELEV
BM 1	10195355.68'	3152716.81'	766.94'
BM 2	10195479.77'	3153021.86'	760.78'
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NO.	REVISIONS	DATE	BY

**Kimley»Horn**  
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**Kimley»Horn**  
 Engineer: CHANDLER C. BANKS  
 P.E. No. 33192      Exp. Date: 08/31/24

06/10/2024

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**STORM PLAN**

**RCG 48  
 PRELIMINARY PLAT**  
 WILLIAMSON COUNTY, TEXAS





