

1717 CHANNEL ROAD
AUSTIN, TX 78746

Case # 2021-000072 BA

VARIANCE REQUEST

I. **Seeking BOA Variance to reduce shoreline setback:**

- LDC 25-2-551(B)(1)(a) to reduce shoreline setback from 75' to 25' along a man-made slough that abuts the property via cut in boat slip.
- Lake Austin shoreline setback is 75' per staff's current interpretation of where a shoreline setback is measured from as it relates to man made sloughs or inlets.
- My client is seeking a 25' Lake Austin shoreline setback from the slough.
- The man-made slough has a cut-in slip created sometime between 1955 and 1968 per City of Austin zoning profile aerials.
- There does not appear to be any natural causation of the inlet. It appears wholly man made using various historical aerials and physical inspections.



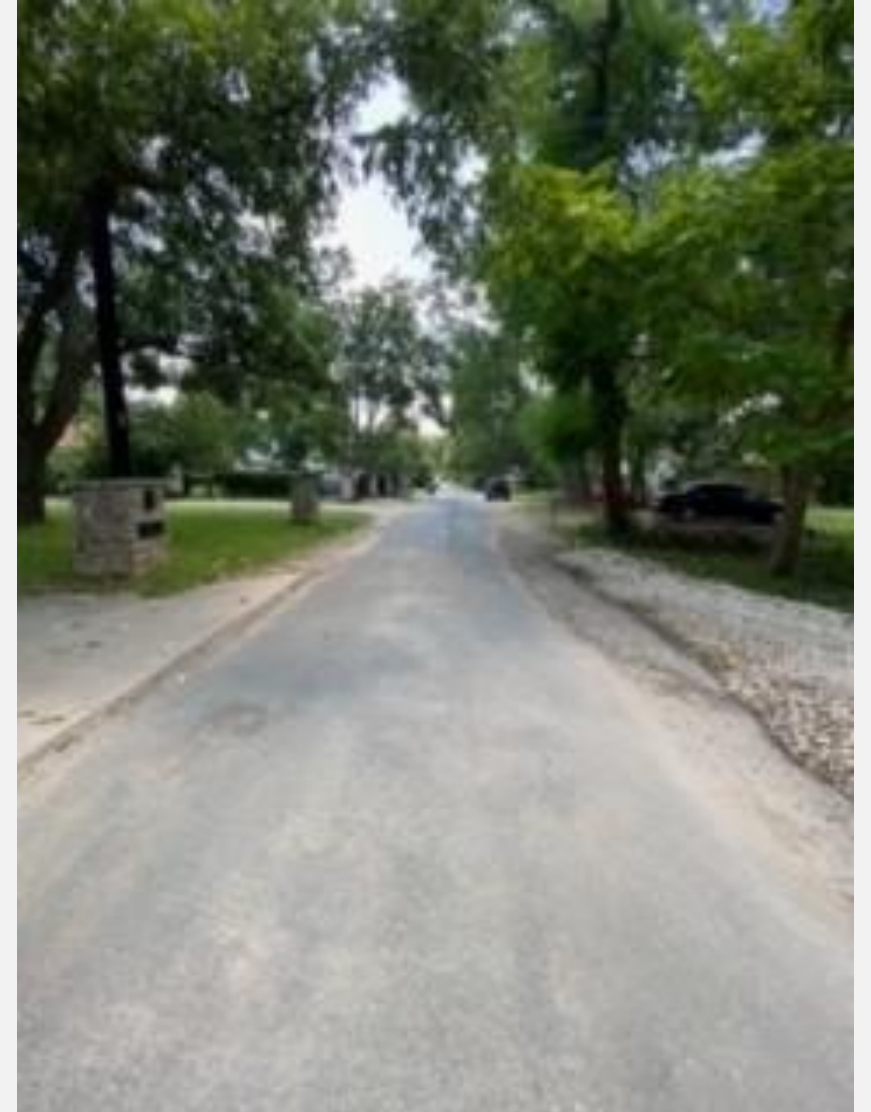
MAP AERIAL



CHANNEL RD + ENTRANCE TO SITE



Easement to 1717



VARIOUS INLET ANGLES



VARIOUS INLET AND CHANNEL ANGLES



VARIOUS PROPERTY ANGLES FROM INLET



VARIOUS PROPERTY ANGLES AROUND INLET



EASEMENT THAT SPLITS PROPERTY



CHANNEL TO / FROM LAGOON – LAKE AUSTIN



The zoning regulations applicable to the property do not allow for a reasonable use because:

- The zoning regulations combined with unique hardships prevent a reasonable use of this site as prescribed by the applicable zoning district.
- The existing 1.72-acre tract is vacant and zoned Lake Austin, LA, as part of the City-wide effort to apply LA zoning to lake properties in 1984. The site was annexed June 15, 1968, and zoned “A” zoning which is the equivalent of today’s SF-2 zoning. The site does not front the main body of Lake Austin. It is only accessible to the water via a small inlet that connects to a lagoon. From that lagoon a straight line was dredged to the site. On the other side of the lagoon, it connects to the main body of Lake Austin via separate canal (from the lagoon). That canal travels under a bridge (Channel Road), then it connects to the main body. (please see aerial maps for quick reference). We believe the cut-in slip was created during the same time period as the actual inlet because the 1955 – 1968 aerials reflect the inlet being dredged from the lagoon during this time and not in any aerials before 1955. It shows the inlet in the same location between 1955 - present. Currently there is no boat dock structure. Only concrete retaining walls exist in the cut-in area.

- The applicant is requesting a reduced shoreline setback from the water in order to accommodate development of a single-family project and associated accessory structures. The variance request is more about the flexibility to locate improvements in appropriate locations rather than getting close to the water per se. The tract has several hardships prohibiting a reasonable development of such a large tract, namely the interpretation that a 75' shoreline setback applies to sites such as this, which have no main body frontage. The shoreline setback portion of the LA code was never intended to apply to this type of site. The Board has acknowledged this on at least three (3) LA sites that I am personally aware of although there may be more cases which I cannot account for. Each site had actual main body frontage as well as man made sloughs entering each of those properties. They are addressed to Westlake Dr. all of their inlets had shoreline setback reductions approved ranging between 5' and 25'. Another site in Bee Creek was recently approved for shoreline setback reduction from 75' to 25' for part of the shoreline, too. All of these cases were approved 2018-2021.

- The proposed house and related accessory structures are attempting to fit between multiple on-site obstacles. This is more specifically noted in the hardship section of this application. The attached exhibits will facilitate the Board's understanding of the site as well as the layout of the surrounding area which is highly unusual in terms of it's access to and from the main body, a sizeable lagoon which exists nowhere else in the lake area, a highly unusual easement access cutting through the middle of the lot – essentially bifurcating the lot into almost two separate build areas, and the irregular shape of this site among other hardships.
- We believe this is a fair and reasonable use in the Lake Austin zoning category as that category specifically prescribes development of a residential nature. However, a literal application of the LA zoning performance standards inhibits a reasonable use of this site. For example, factors specific to this lot to include zoning setbacks, access easements, lot shape, protected trees, the cut in slip and man made slough, septic field location due to proximity to water, and reduced net site building area. All of which contribute to an unreasonable

HARDSHIP

The hardship is not general to the area in which the property is located because:

- The site has several hardships which limit the reasonable placement of infrastructure and vertical improvements. Most notably, the application of the 75' shoreline setback reduces the buildable area by over 20,000 square feet. The regular front, side and rear setbacks remove an additional 21, 892 square feet from the buildable area. There's a noticeable access easement which bifurcates the lot and removes another 2,600 square feet. Right away, almost 45,000 square feet of a 75,000 square foot lot is 100% unbuildable – all of which is land that is taxed by Travis County. Further, a mixture of protected and heritage trees are found throughout the front, side and rear of the property restricting construction locations even more so. The site also loses almost 2,000 square feet to inundation near the man made cut-in slip. In sum, that nears 50,000 square foot of land which is not useable due to various, overlapping regulations.

HARDSHIP (CONT'D)

- Under current conditions the site bears about 18,000 square feet of allowable impervious coverage. That equates to about 25% IC. Since the lot is 100% flat it is allowed 35% IC. However, this case is about the location of the IC, not the IC amount itself. The project will be compliant with IC and all other requirements. The combined hardships can be overcome despite their cumulative effect, but even standalone analysis of a singular hardship such as the access easement presents substantive hardship to the development of this site - the access easement serves two separate properties located behind this site and is essentially irrevocable. None of the parties with legal standing to the easement will agree to relocate the easement at this time.
- Add the protected trees and 3,400 square foot septic field and it gets more restrictive. And again, the shoreline setback was never intended to apply to man made canals, sloughs, cut ins and such. At some point in the late 1990's or early 2000's the staff started making the determination that they do apply. This current determination is what brings the case to you today.

HARDSHIP (CONT'D)

- A 25' shoreline setback would certainly increase the allowable impervious coverage, but this case is not about impervious coverage – it's about the flexibility to site the single-family improvements in a reasonable manner. A shoreline reduction from 75' to 25' will do just that. We estimate a 25' setback would allow about 24,000 square feet, or roughly 32% IC. My client is open to an IC cap if the Board favors that as a condition of approval.
- Suffice to say, the site has several encumbrances that affect the ability to site the proposed improvements to the property by way of the hardships. This combination of hardships is not known on any surrounding properties that take access from the already unusual lagoon much less the larger surrounding area containing homes along the main body of Lake Austin.

NOT GENERAL TO THE AREA






- Man made sloughs, inlets and cut-ins are fairly rare along Lake Austin. They do exist; and when they do, they create significant development constraints because the literal application of the 75' shoreline setback stretches into viable build sites within the lot nearly 100% of the time. The Board has recognized this on similar properties. This condition is not general to the area, but rather the exception.

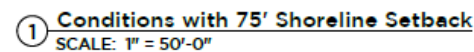
AREA CHARACTER

The variance will not alter the character of the area adjacent to the property, will not impair the use of adjacent conforming property, and will not impair the purpose of the regulations of the zoning district in which the property is located because:

- Any new construction will be in keeping the varied construction styles found along Lake Austin. There will be no adverse impact to adjacent properties. All development shall comply with all other applicable codes. Active measures will be taken to ensure the protection of Lake Austin via best management practices.
- In summary, a proposed 25' setback measured from the 492.8' contour shoreline would allow a reasonable use of the property, would not be dissimilar to other shoreline setbacks the Board has approved for sites with man made inlets, and will have no adverse impact on adjacent properties. Best management practices would be employed as part of any project to ensure protection of on-site environmental features where applicable, Lake Austin itself, and neighboring properties.

E-3/20-PRESENTATION

LEGEND	
INUNDATED AREA	
75' SHORELINE SETBACK	
SEPTIC FIELD	
SETBACKS & EASEMENT	
BUILDABLE AREA IN SLOPES 0-15%	








Issue Date 08/05/2021	EX-1
Scale 1" = 50'-0"	



IMPERVIOUS COVER (IC) ALLOWED / LAND CLASSIFICATION

LAND CLASSIFICATION	AREA	% IC	ALLOWABLE IC
TOTAL BUILDING LINE SETBACKS	23,781 S.F.	0	0
25' SHORELINE SETBACK	4,243 S.F.	0	0
ACCESS EASEMENT EXCLUSIVE OF 25' SHORELINE SETBACK	4,580 S.F.	100%	4,580 S.F.
SEPTIC FIELDS EXCLUSIVE OF SETBACKS (ESTIM.)	3,382 S.F.	0	0
INUNDATED AREA	1,808 S.F.	0	0
LAND WITH SLOPE < 15% EXCLUSIVE OF SETBACKS	37,457 S.F.	35%	13,110 S.F.
LAND WITH SLOPE < 15% INCLUSIVE OF SETBACKS	69,200 S.F.	35%	24,220 S.F.
TOTAL IMPERVIOUS COVER ALLOWED FOR THE SITE			24,220 S.F.
TOTAL SITE AREA			75,251 S.F.
PERCENTAGE OF ALLOWED SITE IMPERVIOUS COVER			32.2%

LEGEND

INUNDATED AREA	
25' SHORELINE SETBACK	
SEPTIC FIELD	
SETBACKS & EASEMENT	
BUILDABLE AREA IN SLOPES 0-15%	

10' SIDE YARD SETBACK

EXISTING SHARED DRIVEWAY

BUILDABLE AREA IN SLOPES 0-15% = 7,113 S.F.

ACCESS EASEMENT EXCLUSIVE OF 25' SHORELINE SETBACK = 4,580 S.F.

40' FRONT YARD SETBACK

SEPTIC FIELD EXCLUSIVE OF SETBACKS = 2,320 S.F.

TOTAL SEPTIC FIELD AREA EXCLUSIVE OF SETBACKS = 3,382 S.F.

SLOUGH TO LAKE AUSTIN

INUNDATED AREA = 1,808 S.F.

SEPTIC FIELD EXCLUSIVE OF SETBACKS = 1,062 S.F.

20' REAR YARD SETBACK

25' STREET SIDE SETBACK

25' SHORELINE SETBACK AREA = 4,243 S.F.

LINE OF TREE CRITICAL ROOT ZONE (CRZ)

BUILDABLE AREA IN SLOPES 0-15% = 30,344 S.F.

TOTAL BUILDABLE AREA EXCLUSIVE OF SETBACKS IN SLOPES 0-15% = 37,457 S.F.

② Conditions with 25' Shoreline Setback
SCALE: 1" = 50'-0"

EXHIBIT 2
SCALE: 1" = 50'-0"

Revisions Date

Notes
The Contractor is responsible for confirming and correcting dimensions at the job site; the means, methods, techniques, sequences, or procedures of construction; and for safety precautions in connection with the Project.

SAM BURCH
ARCHITECT



1717 Channel Road
Residence
1717 Channel Road
Austin, Texas 78746

Preliminary Design

EXHIBIT 2

Issue Date: 08/05/2021
Scale: 1" = 50'-0"
EX-2

E-3/22-PRESENTATION



EXHIBIT 3
SCALE: 1" = 150'-0"

E-3/23-PRESENTATION

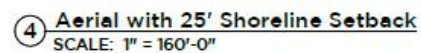


EXHIBIT 4
SCALE: 1" = 150'-0"

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SAM BURCH
ARCHITECT



**1717 Channel Road
Residence**
1717 Channel Road
Austin, Texas 78746

Preliminary Design

EXHIBIT 4

Issue Date	08/05/2021
Scale	1" = 300.0"

EX-4

EXHIBITS

E-3/24-PRESENTATION

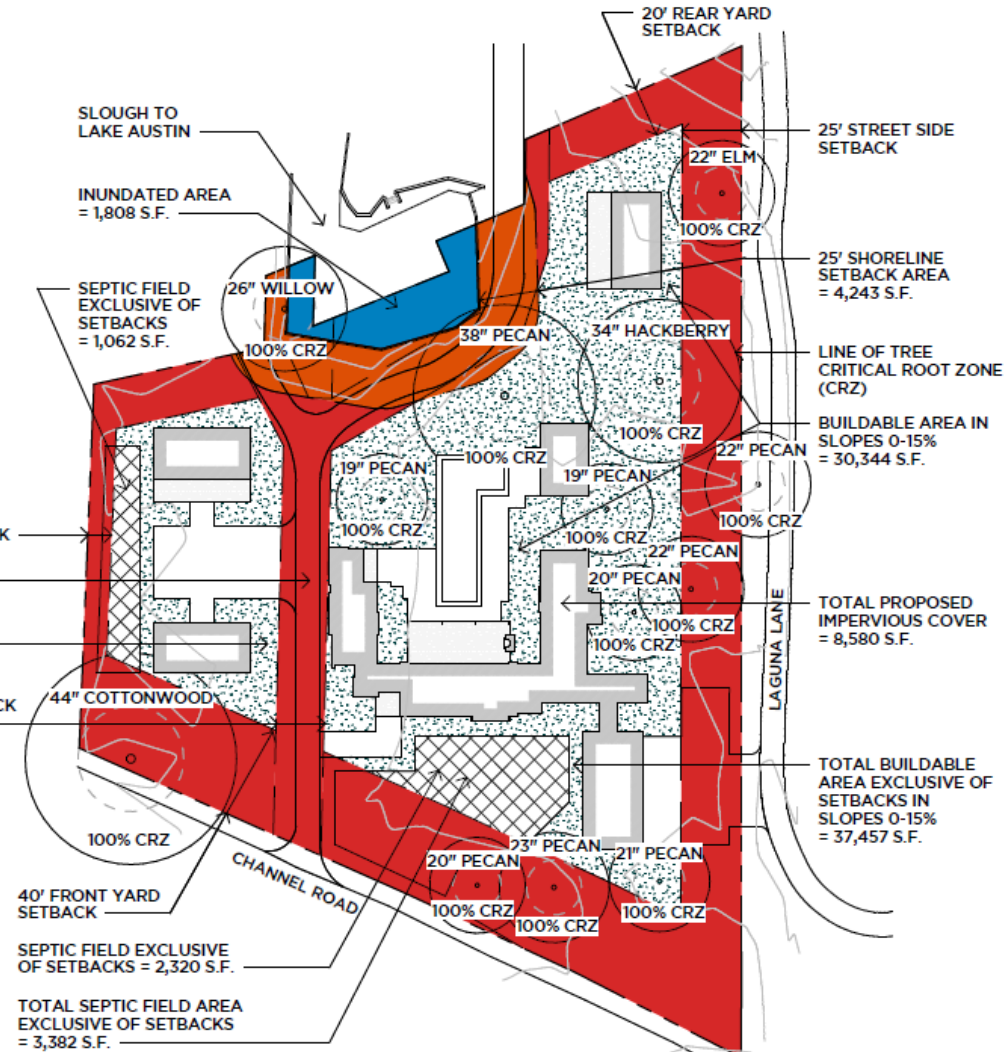
IMPERVIOUS COVER (IC) ALLOWED / LAND CLASSIFICATION

LAND CLASSIFICATION	AREA	% IC	ALLOWABLE IC
TOTAL BUILDING LINE SETBACKS	23,781 S.F.	0	0
25' SHORELINE SETBACK	4,243 S.F.	0	0
ACCESS EASEMENT EXCLUSIVE OF 25' SHORELINE SETBACK	4,580 S.F.	100%	4,580 S.F.
SEPTIC FIELDS EXCLUSIVE OF SETBACKS (ESTIM.)	3,382 S.F.	0	0
INUNDATED AREA	1,808 S.F.	0	0
LAND WITH SLOPE < 15% EXCLUSIVE OF SETBACKS	37,457 S.F.	35%	13,110 S.F.
LAND WITH SLOPE < 15% INCLUSIVE OF SETBACKS	69,200 S.F.	35%	24,220 S.F.
TOTAL IMPERVIOUS COVER ALLOWED FOR THE SITE			24,220 S.F.
TOTAL SITE AREA			75,251 S.F.
PERCENTAGE OF ALLOWED SITE IMPERVIOUS COVER			32.2%

LEGEND

INUNDATED AREA	
25' SHORELINE SETBACK	
SEPTIC FIELD	
SETBACKS & EASEMENT	
BUILDABLE AREA IN SLOPES 0-15%	
RESIDENCE	
DRIVES/TERRACES	

10' SIDE YARD SETBACK
EXISTING SHARED DRIVEWAY
BUILDABLE AREA IN SLOPES 0-15% = 7,113 S.F.
ACCESS EASEMENT EXCLUSIVE OF 25' SHORELINE SETBACK = 4,580 S.F.



6 Conditions with 25' Shoreline Setback
SCALE: 1" = 50'-0"



EXHIBIT 6
SCALE: 1" = 50'-0"

Revisions Date

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SAM BURCH
ARCHITECT



1717 Channel Road
Residence
1717 Channel Road
Austin, Texas 78746

Preliminary Design

EXHIBIT 6

Issue Date: 06/05/2021
Scale: 1" = 50'-0"
EX-6

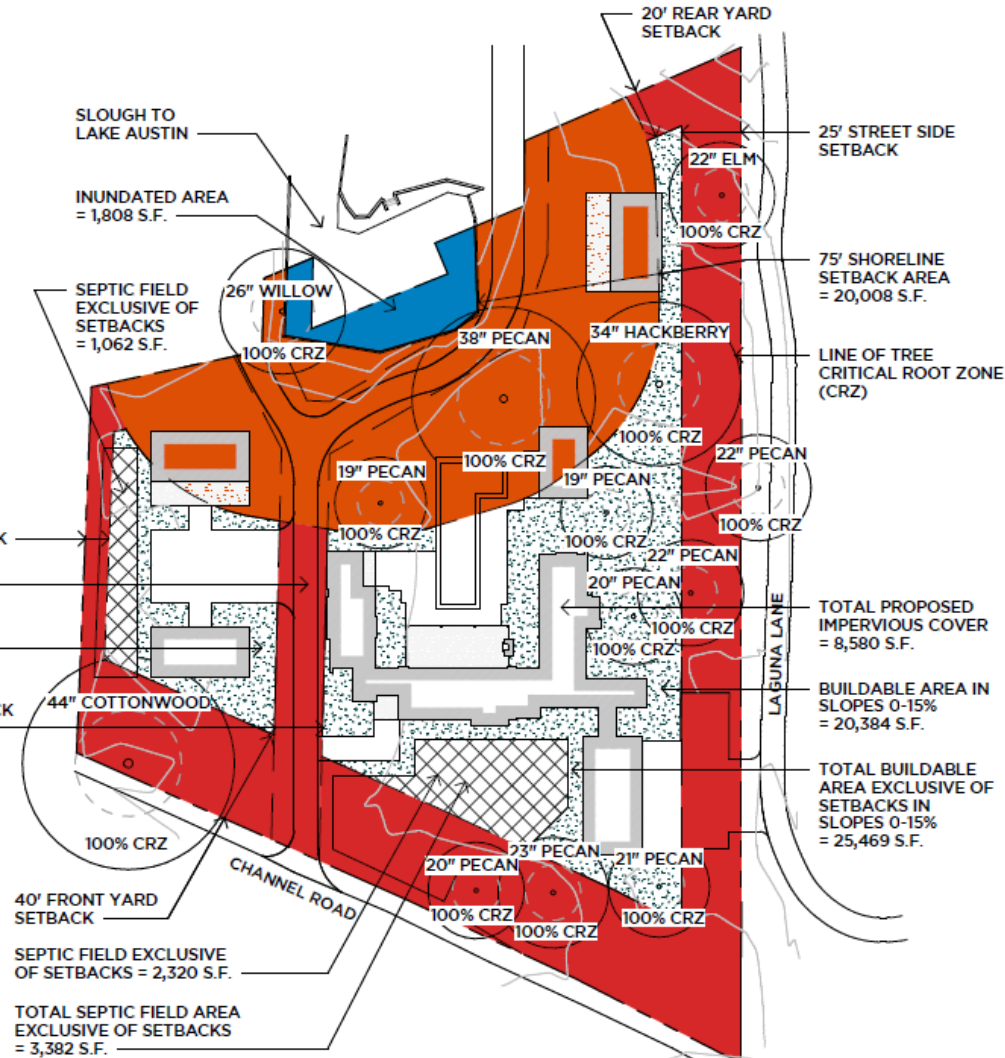
IMPERVIOUS COVER (IC) ALLOWED / LAND CLASSIFICATION

LAND CLASSIFICATION	AREA	% IC	ALLOWABLE IC
TOTAL BUILDING LINE SETBACKS	21,892 S.F.	0	0
75' SHORELINE SETBACK	20,008 S.F.	0	0
ACCESS EASEMENT EXCLUSIVE OF 75' SHORELINE SETBACK	2,696 S.F.	100%	2,696 S.F.
SEPTIC FIELDS EXCLUSIVE OF SETBACKS (ESTIM.)	3,382 S.F.	0	0
INUNDATED AREA	1,808 S.F.	0	0
LAND WITH SLOPE < 15% OUTSIDE OF SETBACKS	25,469 S.F.	35%	8,913 S.F.
LAND WITH SLOPE < 15% INCLUSIVE OF SETBACKS	53,435 S.F.	35%	18,702 S.F.
TOTAL IMPERVIOUS COVER ALLOWED FOR THE SITE			18,702 S.F.
TOTAL SITE AREA			75,251 S.F.
PERCENTAGE OF ALLOWED SITE IMPERVIOUS COVER			24.9%

LEGEND

INUNDATED AREA	
75' SHORELINE SETBACK	
SEPTIC FIELD	
SETBACKS & EASEMENT	
BUILDABLE AREA IN SLOPES 0-15%	
RESIDENCE	
DRIVES/TERRACES	

10' SIDE YARD SETBACK
 EXISTING SHARED DRIVEWAY
 BUILDABLE AREA IN SLOPES 0-15%
 = 5,085 S.F.
 ACCESS EASEMENT EXCLUSIVE OF 75' SHORELINE SETBACK
 = 2,696 S.F.



5 Conditions with 75' Shoreline Setback
 SCALE: 1" = 50'-0"



EXHIBIT 5
 SCALE: 1" = 50'-0"

Revisions Date

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SAM BURCH
 ARCHITECT



1717 Channel Road
Residence
 1717 Channel Road
 Austin, Texas 78746

Preliminary Design

EXHIBIT 5

REVISION
 08/05/2021
 Scale
 1" = 50'-0"

EX-5

THANK YOU