

# SPACE NEEDS ASSESSMENT AND SITE ANALYSIS

Bee Cave Police Facility with Court Clerk Windows & Training





# **FINAL REPORT**

Jan. 2020

# **Brinkley Sargent Wiginton Architects**

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# **ACKNOWLEDGEMENTS**



Special thanks for their cooperation and time is extended to all City Staff members who participated in the process of this report. Those particularly engaged in the study are listed below:

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Mayor Monty Parker Mayor Pro Tem Bill Goodwin
Council Member Kara King Council Member Jon Cobb
Council Member Andrea Willott Council Member Andrew Clark

# City of Bee Cave Administration

Clint Garza City Manager Kaylynn Holloway City Secretary

# City of Bee Cave Police Department

Gary S. Miller Chief of Police

# City of Bee Cave Municipal Court

Honorable Belinda Herrera Presiding Judge
Mark Goodner, John Yeager Associate Judge
Cynthia Cervantes, Jillian Maynard Court Clerk

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Brinkley Sargent Wiginton Architects, in cooperation with the City of Bee Cave, developed the following evaluation and study for the Space Needs Assessment and Site Analysis for the Police Department and Municipal Courts. This report represents an analysis of the existing facility site and two additional sites. Each site option was tested with new building footprints and parking requirements to help determine adequacy and appropriate fit in each instance. The resulting master plan allows Bee Cave City officials to make informed, creative and cost-effective decisions, some of which were already implemented during the evaluation stage and incorporated.

The purpose of a Space Needs Assessment and Site Analysis is to provide a road map of key information that can help guide the City in its strategic path forward regarding planning and decision making. The information provided helps the City as it manages the growth and quality-of-life services to the citizens of their community. Essential services for the public safety include the police and courts system for which the City strives to improve to maintain a high level of excellence for the community.

The City of Bee Cave Police Department currently is housed in the former City Hall behind the Hill Country Galleria on Hwy 71. The City Hall was built in 1998 and the Police Department moved into the space in 2007. They share the site with Old Bee Cave Schoolhouse and Travis County Fire & Rescue. The Police department has outgrown the building in the 12 years that have transpired. They started with 6 officers and grew into a force of 19 sworn officers. The City's population too has expanded. In 2000, there were only 656 persons living in the Village of Bee Cave which became the City of Bee Cave in 2006 and by 2013 the population doubled from 2006 to over 5,000 residents. Officers are currently sharing desks and the Police department is finding it difficult to expand for the needed growth. Other examples of inadequate space include lack of storage space for sensitive equipment and files, as well as the difficulties faced when the entire facility shares only two bathrooms that also have to be available for the public.





Developing the Space Needs Assessment involves evaluating future staffing and spatial needs within each department, with the purpose of defining a strategy for meeting those needs. When analyzing future space needs, we start by processing the inventory of the existing facility, and working with key staff, identify future space needs using calculated and known factors. The strategic plan continues to develop with resources such as utilizing staff questionnaires, City Codes and Developmental Requirements, and each individual site requirements. The Planning horizon being established at 2038 and population estimate forecast at 15,000. In the original project, both Police Department and Municipal Courts were envisioned in the same facility, but subsequent discussions with the City led to keeping the Municipal Court in the City Hall, shared with the Council Room. Several options were developed for each of three (3) sites with the co-located Police and Court, but after evaluating the exhibits, the existing site emerged as the most appropriate location. The sites under consideration included the Skaggs Tract (West Bee Cave Parkway), Staats Tract (East Bee Caves Parkway and part of Hill Country Galleria), and Existing Site (off SH-71, Park Place) all of which are in the Edwards Aquifer Contributing Zone.

The following bullet points of each site, highlight the findings presented to City Council (see Appendix 4)

- Skaggs Tract is appropriate in location and size but the City sees potential for it being put to a better use.
- Staats Tract had enough raw acreage for the program but limitations imposed from deed restrictions, easements and impervious cover restrictions reduced the actual usable acreage down so as to render its size unusable for the Police and Court.

# 1 - EXECUTIVE SUMMARY



• The Existing Site location of the Police Department (formerly Park Place). The preferred concept is to demolish the existing police building in order to create more area to efficiently layout the building to serve their modern needs. The new facility will be a two-story building with access controlled secure parking. A few, challenges will be temporary housing during construction, limited building pad area, constraints from existing large trees, and location of the water quality pond required by the Edwards Aquifer Contributing Zone. After the decision was made that the Municipal Court is better left in its current location with City Hall, it opened up the opportunity to fully utilize the existing site the Police are on along with two (2) clerk windows and an office for their support.

Once vetted and determined that the existing site as the most feasible of the options, additional site layouts and building massing for the new square footage needs of the Police with Court Clerk Windows and Training were presented and a selection was made (Option 4A). The Space Needs Program went through a series of refinements with square footage reductions. Three subsequent meetings to reduce square footages in the Space Needs are shown in Section 5. The Training Room was critical for modern police training and was integrated back into the program. It is a flexible space that extends the life of the station as a resource for internal use as well as other outside programs. Great effort was placed on reducing the spaces without compromising the collective vision and practicality of the station.

An essential part of the planning process is to listen and to express the community objectives for Bee Cave's building and site. As conveyed in the 2037 Comprehensive Plan, 'the vision of Bee Cave is characterized by its scenic Hill Country setting and friendly, small town character.' The Shops at the Galleria and the Hill Country Galleria were established in 2009 and continue the rolling, landscaped development that distinguish Bee Cave. The Comprehensive Plan also defines the character of the building as that of 'harmonious building materials, with 'memorable design,' as well as preserving open, natural areas. The adjacency of the Sculpture Park acts as a natural buffer but also requires visitor parking. One advantage of the existing site is that it can be very efficiently laid out with the greater length of the building backing up to the rear of the adjacent mall. This provides the police a bit of privacy where secure vehicles are parked and the 'back yard' of the building has some enclosure for safety and not being exposed to the public.

A Space Needs Assessment and Site Analysis includes the necessary information to proceed with the final decisions to move forward. Minute details regarding future staffing expectations and space needs can be fine-tuned if required, when the actual Design Phase begins. This document is intended to establish a process for the coordinated development of a new City Police Facility based on budgets, projected spatial needs, conceptual site plans, and construction cost estimates. All the supporting documentation used in the study's findings are included in the Appendices.

## **SPACE NEEDS**

The City staff met with BSW Architects several times to work out the necessary spatial needs for the new facility, as well as meetings to discuss the three (3) sites and further develop a concept of the facility in environmental context. Then findings were presented to the City Council. The final square footage needs are as follows:

Police	Net	12,991 SF	
Training Room	Net	1,178 SF	
Court Clerk Windows	Net	372 SF	
Total Bldg.	Gross	17,600 SF (includes building circul	lation, exterior walls, Mech. Systems, etc.)

# 1 - EXECUTIVE SUMMARY



#### **PARKING NEEDS**

Parking requirements for secure Police vehicles includes both parking for personal vehicles (14) and City secure vehicles (26). They are secured behind an ornamental fence with automatic sliding gate entry at both ends of the full loop drive. The higher than current count takes into consideration the anticipated changes in shift schedules for officers. Utilization of existing parking spaces for public /visitor parking preserves the numerous existing tree locations and provided spaces for public parking, court clerk traffic and the Sculpture Park. The Training Room parking count has been limited to mainly on-site staff but can be supplemented by other users in higher capacity vehicles.

# **SITE ISSUES**

Keeping the building footprint and any new site work to a minimum is important to this project. The building is located in the Edwards Aquifer Contributing Zone, and regulatory requirements for treatment of water runoff is required. These regulations were not in place when the original building was constructed, and any grandfathering for existing buildings goes away when the building is demolished. The current plan is to utilize a site efficient two-story design along with parking area that wraps the building to keep the impervious footprint as small as possible. Malone-Wheeler Engineers have created an initial site layout of this footprint along with the water quality pond that it will require (see Appendix 2).

#### **BUDGET & SCHEDULE**

BSW Architects prepared a Project Budget based on experience with past and similar projects as well as discussions with qualified contractors in the area. The project Budget includes construction cost (the building) as well as estimated City related expenses, professional services, furniture, equipment and other project related expenses. The Project Budget is based on an August 2020 construction start. We are seeing construction escalation costs rise anywhere from 5-6% per year so that will need to be factored into any significant deviation from that start date.

Total Development Budget – \$ 8,986,215



#### PLANNING HORIZON

This study assesses the long-term requirements for the Police Department and Municipal Court in the City of Bee Cave, Texas. During the process of site analysis and test fitting of programmed spaces, it was determined that a limited presence of Court functions co-located would offer the best scenario at this time. Within the facility, two Court Clerk windows would be utilized for public convenience.

At the time that the study was conducted, the City's population census estimated the population to be 13,094 residents within the City Limits and ETJ. The annual growth for the last four years has been 1%. It was decided that during planning horizons of the staff and space needs, that 2038 would be representative of the long-term milestone.

2018	2023	2028	2038
20	25	29	38

# STAFFING PROJECTIONS

Research of historical data, present staffing and anticipated staff growth, along with interviewing key departmental staff, were used in developing an effective staff needs projections. Projections of staff are a crucial component of a successful Needs Assessment and hinges on the desired level of service to the community.

The organizational chart above and the breakdown that follows, lists the current staffing for 2018 and outlines the agreed upon staffing for each of the milestone years as they are reached.



# STAFF PROJECTIONS CONT.

# Police Facility (with Court Clerk Window + Training) City of Bee Cave

Total Staff Comparison				
Year	2018	2023	2028	2038
Population	13,094	13,749	14,386	15,000

Staff	Current	5 Yr. staff	10 Yr. staff	20 Yr. staff
Chief of Police	1	1	1	1
Lieutenant	2	2	2	3
Sergeants	4	4	5	5
Detectives	2	3	3	4
Patrol Officers	10	12	15	20
Administrative Assistant	1	1	1	1
Clerk	0	1	1	2
Animal Control	0	1	1	2
Total	20	25	29	38
Staff Per Capita	1.5	1.8	2.0	2.5
Sworn Officers Per Capita	1.45	1.60	1.81	2.20



#### **PARKING**

A significant impact on Site Planning is the parking count. Calculating projected parking spaces for City owned vehicles (secured), police and court staff (secured) and visitor's vehicles. The chart below is a summary of the maximum number of parking spaces needed for both secured, which requires secure access points (gated), and non-secured for visitors. The public parking shown is for both Police visitors and the Court Clerk windows. Full breakdown is found on the following pages. Parking typically affects impervious cover calculations which must be factored into Site Planning.

# PARKING SUMMARY

a b b

	Police	Court	Total
Public	6	4	10
Staff	14	3	17
City/Secure	26	0	26
Total	40	7	F2

- a) Ten (10) Total shared visitor parking (includes 2 disability)
- b) Secured parking

To determine the needed, maximum parking spaces for the Police Department; a typical 24-hour work day with shift changes is used to estimate the parking needs for the new facility. The chart on the following pages illustrate the expected day & night shift times to approximate overlap for staff members at peak times.



# **POLICE PARKING**

																										ı
Bee Cave Police	Shift Change								Nor	n_Ta	ka H	lome	Pol	icv		Shif	t Cha	anne		]			Po	lice		
Parking 2038					Silli	. One	ange			IVOI	ı-ı aı	NG 11	ioirie	FUI	icy		Jilli	·	ange	Ĺ	j			FU	lice	ĺ
		12	am	2 :	am	4	am	6	am	8 8	am	10	am	12	pm	2	pm	4	pm	6	pm	8	pm	10	pm	
DEPARTMENT	Staff																									Notes:
Public/ Visitor PARKING																										
Police Visitors										6	6	6	6	6	6	6	6	6		ļ						Α
Total Police Visitor's										6	6	6	6	6	6	6	6	6	0	0	0	0				ĺ
Total Folice Visitor's								i	<u> </u>	0	0	0	0	U	U	0	0	U	0	0	0	U				ı
Staff /Personal Vehicles																										l
Police Administration		Π		Ī		Π				Π		Ī	Π	Π		Ī		Π		1	-			Π		
Admin. Assistant	1									1	1	1	1	1	1	1	1	1								
, tarriiri , toolotarri											Ė	Ė		Ė		Ė	Ė	Ė								
Investigations																										
Detective	4									2	2	2	2	2	2	2	2	2		<u> </u>	<u> </u>					В
Patrol																						-				
	4	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	
Patrol Sergeant (day/night) Patrol Officer (Day)	8	-		H		<u> </u>	2	4	4	4	4	4	4	4	4	4	4	4	4	4	2	H	-	<u> </u>	1	С
Patrol Officer (Night)	8	4	4	4	4	4	4	4	2	+	-	+-	4	-	-	+	+	-	2	4	4	4	4	4	4	D
Patrol Officer (Mid Shift)	4	7	7	T	7	7	_	7	_					2	2	2	2	2	2	2	2	2	2	2	2	E
Animal Control	2									2	2	2	2	2	2	2	2	2	_	<u> </u>	<u> </u>	Ė	_	<u> </u>	_	-
7 tilling Control	_									_	-	Ī	Ī	_	_	Ī	_	Ī								
Records Clerk	2									2	2	2	2	2	2	2	2	2								
Total Police Staff Parking	33	5	5	5	5	5	7	10	7	12	12	12	12	11	14	14	11	14	0	12	0	7	7	7	7	
Total Folice Stall Farking	33	5	3	5	3	3	1	10	'	12	12	12	12	14	14	14	14	14	9	12	Э	- /	- 1	ı	ı	ł
City SECURE Vehicles																										1
Police Administration		Π		Π		Π		1		Π		Π	Т	Π		Π		Π		П	Ι	Г		Π		
Chief of Police	1									1	1	1	1	1	1	1	1	1		İ	İ					F
Lieutenant	3									3	3	3	3	3	3	3	3	3								F
Investigations								<u> </u>												-	ļ .	<u> </u>				
Detective		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	G
Patrol																										
Days																										С
Sergeant								1	1	1	1	1	1	1	1	1	1	1	1	1						
Officer								4	4	4	4	4	4	4	4	4	4	4	4	4	İ					
Nights																										D
Sergeant		1	1	1	1	1	1														1	1	1	1	1	
Officer		4	4	4	4	4	4														4	4	4	4	4	
Mids																										
Officer		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	Е
Animal Control Officer		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Miscellaneous Police	1			-								-				-				H	<u> </u>	<u> </u>				
Marked/ Patrol Pool Car	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	Н
Tactical Vehicle	1	2	2	2	2	2	2		_	2	2	2	2	2		2	2	2		<del>-</del>	2	1		2	2	K
Seized Vehicle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1\
Equipment Trailer (6'x12')	†	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Radar Trailer (6'x9')	†	2	2	2	2	2	2	_	2	2	2	2	2	2	2	2	2	2		2	_	2	2	2	2	
Emergency Generator/ Trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
																					_					•
Total City Secure Vehicles	4	22	22	22	22	22	22	22	22	26	26	26	26	26	26	26	26	26	22	22	22	22	22	22	22	1

- A Ten (10) total shared visitor parking Police (6) + Court (2) + (2) disability spaces
- B 2 will have take home vehicle
- C 6 am to 6 pm Shift
- D 6 pm to 6 am Shift
- E noon to midnight Shift

- F take home
- G 2 assigned; 2 take home
- H Are these shared?
- K Extra wide vehicle and turning radius



# **COURTS PARKING**

Courts Parking 2038					Shi	ft Ch	nang	е									Shit	t Ch	ange	e			(	Cour	ts	
		12	am	2 8	am	4	am	6	am	8 8	am	10	am	12	pm	2 p	om	4	om	6	om	8	om	10 p	m	
DEPARTMENT	Staff																									Notes:
SECURE Vehicles																										
Court Staff			П							3	3	3	3	3	3	3	3	3								
Visitor PARKING		<b></b>																							*********	
Court Visitors										2	2	2	2	2	2	2	2	2								Α
Total Secured Vehicles										2	2	2	2	2	2	43	2	2	0	0	0	0				

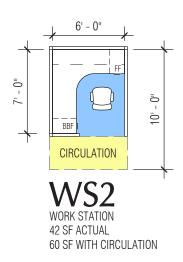
- A Ten (10) total shared visitor parking Police (6) + Court (2) + (2) disability space: F take home
- B 2 will have take home vehicle
- C 6 am to 6 pm Shift
- E noon to midnight Shift
- D 6 pm to 6 am Shift

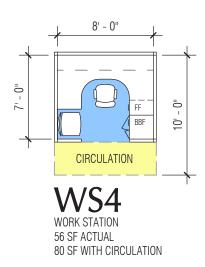
- G 2 assigned; 2 take home
- H Are these shared?
- K Extra wide vehicle and turning radius



The following pages illustrate the spatial requirements determined through meetings with staff. The sketches reflect needed space to provide efficient, functional spaces and correspond with notations in the Space Needs Assessment, shown in Section 5. These diagrams or sketches will be referred to under the column labeled 'Space Code' on each department sheet of that area.

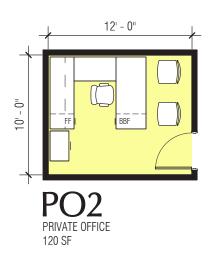
# **Workstations**

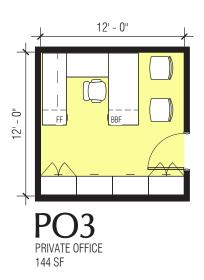


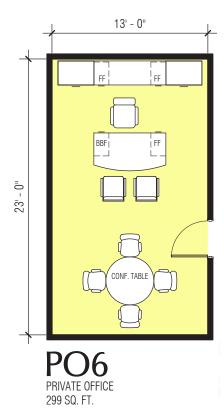




# **Private Offices**

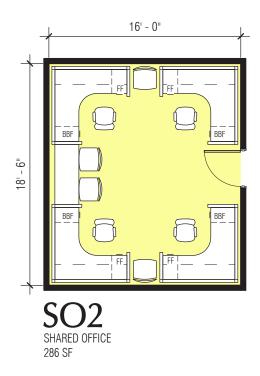




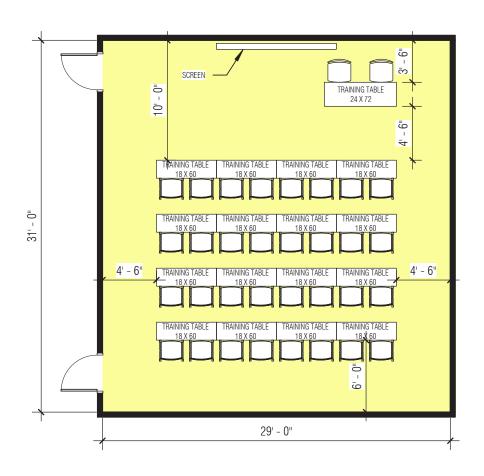




# **Shared Offices**

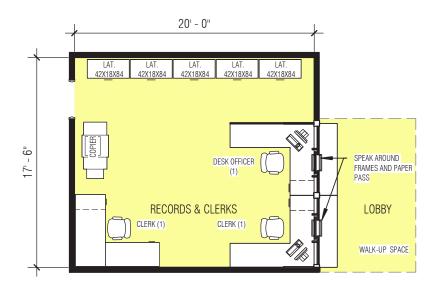




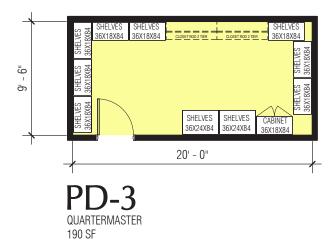


PD-1 TRAINING ROOM (32+2) 900 SF

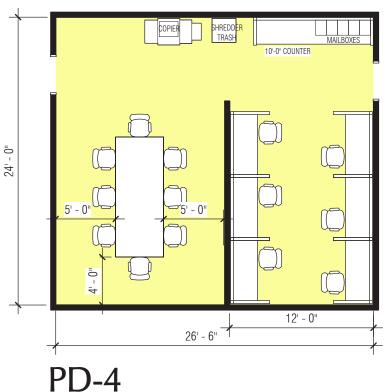




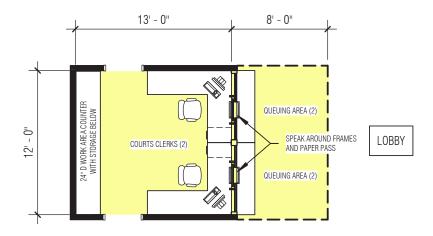
PD-2
RECORDS/FRONT DESK
350 SF







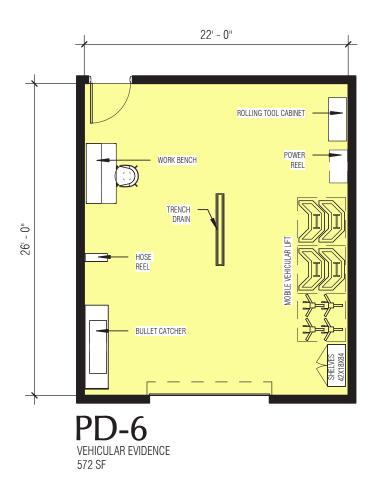
PD-4
REPORT WRITING/PATROL
636 SF



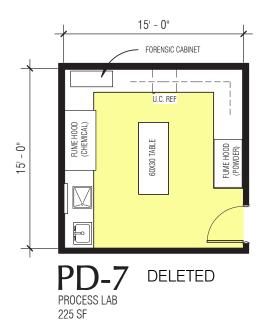
# PD-5

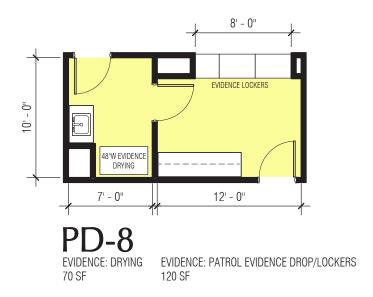
COURTS PAYMENT WINDOW 252 SF (INCLUDES ADDED QUEUING AREA FOR COURTS)









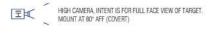




# **Interview Rooms**

# **LEGEND**

340





LOW CAMERA, INTENT IS FOR PROFILE IMAGE OF BOTH INTERWEWER & INTERWEWEE, MOUNT AT 48° AFF. SHOULD ALSO SEE ENOUGH BELOW TABLES SO THAT HANDS HELD BELOW TABLE CAN BE SEEN (COVERT)

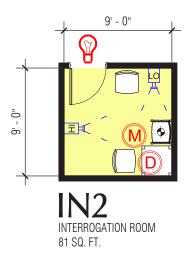


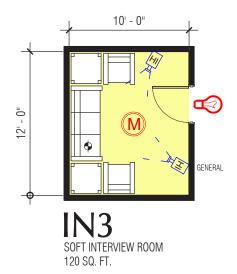
D DURESS BUTTON, USUALLY BELOW TABLE ON WALL.



#### RECORDING TRIGGER OPTIONS:

- ALWAYS RECORDING
  AUTOMATIC RECORDING ON OCCUPANCY
  MANUAL RECORDING VIA SWITCH, USUALLY LIGHT
  SMITCH MARKED AS "IN-USE"







The following pages illustrate the spatial requirements determined through meetings with staff. The sketches reflect needed space to provide efficient, functional spaces and correspond with notations in the Space Needs Assessment, shown in Section 5. These diagrams or sketches will be referred to under the column labeled 'Space Code' on each department sheet of that area.

# **Explanation of Circulation Factors**

The *Circulation Area* is the portion of the Gross (Total) Area, whether or not enclosed by partitions, which are required for physical access to some subdivisions of space. It represents corridors and hallways.

# Systems Office Furniture (Work Stations) Circulation:

Contrary to popular perception, systems office furniture does not take up significantly less space. What they do allow is flexibility of that space. A certain amount of area is added to these systems before the department circulation to allow for adequate access to each of the workstations. The drawing at right shows an example of this added area, shaded yellow.

# CIRCULATION WS2 WORK STATION 42 SF ACTUAL 60 SF WITH CIRCULATION

### **Gross Circulation:**

This is a calculation of the space needed to travel to and within the department and the thickness of walls. It is a percentage of the Gross square footage (i.e. the subtotal and the circulation together). This number is calculated (using 25% as an example) by taking the subtotal and dividing it by (100-25) then multiplying by 25. This gives you a number that is 25% of the Gross square footage. [(Subtotal/75) x 25= gross circulation] This circulation number varies depending on the makeup of the department.



Gross Circulation Example (Subtotal/75) x 25 = gross circ (800/75) x 25 = 267 SF 800 + 267 = 1,067 SF Total Area

The circulation factors used in this needs assessment are a result of many years of planning and designing this facility type. Each planned/designed facility is reviewed upon completion to verify circulation factors for the next planned facility. Consistent checking and refining of these factors provide reliable and predictable factors that have been used in this report.

# Exterior Wall/ Mechanical/Circulation Factor:

After each division is added together to form a component (i.e. Patrol, Admin, Records) then each component has a building envelope and mechanical factor added to it. This number covers the area needed for exterior walls and mechanical systems and circulation between components.

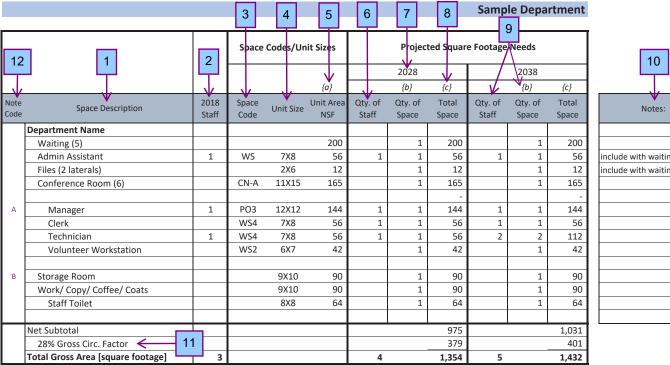
ARCHITECTS

SARGENT



# **Explanation of Department Tables**

The table shown below serves as a legend to understanding the tables shown on the following pages that illustrate the projected needs for each department or specialized area of the proposed facility.



include with waiting area include with waiting area

Typical Formula is  $a \times b = c$ 

- Description of space or personnel space
- Current staffing numbers (2018) 2
- Space code identifies spaces listed in space standards
- Unit size describes physical size of space
- Unit area per space or personnel housed within space
- 20-year Milestone year ( 2038) for staff projections
- Number of spaces required (i.e. One conference room is provided)
- Total area equals unit area times number of spaces to develop total area
- Shows additional staff and areas required at the 20-year milestone (2038)
- 10 Notes related to space of personnel space, helping define size or functions 11 Reflects walls / circulation as described on previous page
- Additional information or cross reference



	City o	of Bee	Cave						
							TC	TAL B	UILDII
August 21, 2019 update		2038	SF Needs		Round uctions		Round luctions		Round
	2018	15,0	000 pop.		000 pop.		000 pop.		000 pop.
Space Description	Staff	Staff	Total Space	Staff	Total Space	Staff	Total Space	Staff	Total Sp
ce Summary									
Lobby	-	2	1,686	2	1,686	2	1,307	2	1,3
Supplemental Court Clerk Space				-	477		477		4
Training	-	-	1,567	-	-		-		1,3
Police Administration	4	5	1,668	5	1,668	5	1,551	4	1,4
Investigations	2	4	1,842	4	1,596	4	1,596	4	9
Property & Evidence	-	-	1,820	-	1,820	-	1,496	-	1,4
Patrol	14	26	2,381	26	2,381	26	2,231	27	2,2
Staff Support	-		4,192		4,192		4,192		4,0
Building Support	-	-	1,741	-	1,741		1,683		1,4
Net Subtotal	20		16,897		15,560		14,532		14,8
9% Mech/Bldg. Circ. Factor			1,671		1,539		1,437		1,4
Total Police		37	18,568	37	17,099	37	15,969	37	16,2
		Ì							
ling			445		445				
Temporary Holding 9% Mech/Bldg. Circ. Factor	-	-	415	-	415	_	_		
			41		41		-		
Total Holding		-	456	-	456	-	-	-	
ce Asset Support Buildings									
Conditioned			924		828		828		7
Non Conditioned			783		783		783		5
AL - Police Facility		Ì							
Staff		37		37		37		37	
Gross Building Square Footage		37	20,731	0,	19,166	J,	17,580	0,	17,6
Square footage	savings if 1st Rour	nd Reduc	tions taken		1,565				
					_,_ 33		3,151	1	
Square footage:									



			Police	Facility	(with C	ourt	Clerk	Windo	ws + T	raini	ng)							
					Cit	y of B	ee Ca	ve										
											P	ublic	Safety	/ Lobby	& Tr	aining	g Room	
				C /11 .			20.65.1	1 .	4.1.0.		4	2	nd Rou	ınd		3rd Ro	und	
			Space	Codes/Un	it Sizes	20	38 SF N	ieeas	1ST KO	una Ke	ductions	F	Reducti	ons	-	Reducti	ions	
	August 21, 2019 update					1	5,000		1	5,000		1	5,000 p		1	5,000		
					{a}	Qty.	{b} Qty.	{c}	Qty.	{b} Qty.	{c}	Qty.	{b} Qty.	{c}	Qty.	{b} Qty.	{c}	
Note	Space Description	2018	Space	Unit Size	Unit	of	of	Total	of	of	Total	of	of	Total	of	of	Total	Notes:
Code	Space Description	Staff	Code	Unit Size	Area NSF	Staff	Space	Space	-	Space	Space		Space	Space		Space	Space	Notes.
	Public Lobby																	
	Vestibule			8x8	64		1	64		1	64		1	64		1	64	
	Lobby (6-8)			20x20	400		1	400		1	400		1	400		1	360	reduced width by 2 ft
	Information Kiosk (1)							-			-			-			-	
	Display							-			-			-			-	
	Interview			10x12	120		1	120		1	120		1	120		1	120	no f.p. need; just reports
	Public Toilets			11x21	231		2	462		2	462		2	128		2	128	reduced
	Drinking Fountains			5x5	25		1	25		1	25		1	25		1	25	
Α	Reception Window(2)		PD-2	17.5x20	350		1	350		1	350		1	350		1	350	1 desk officer / 2 clerks Shared
В	Records Clerk Workstation		WS2	6x7	60	2		-	2		-	2		-	2		-	1 of 2 clerks at front window
С	Files (2+2 5-dr lats)			12x5	60			-			-			-			-	
	Copy/Work			7x9	63		1	63		1	63		1	63		1	63	shared staff support, co-located
	Net Subtotal (Public Lobby)					2		1,484	2		1,484	2		1,150	2		1,110	
	12% Gross Circ. Factor							202	_		202			157			151	
	Total Gross Area [square footage]							1,686			1,686			1,307			1,261	
	[-4							_,			_,,			_,			-,	
	Training Room																	
	Training (32)		PD-1	31X29	900		1	1,035			-			-		1	900	add back slightly smaller room
	Storage			10x20	200		1	200		-	-			-		1	150	reduced storage to match
	Catering/Serving Line/Vest			9x16	144		1	144			-			-		-	-	counter inside training room
	Public Toilets			8x8	64			-			-			_		2	128	added for training
	Net Subtotal (Training Room) 1,379 - 1,178																	
	12% Gross Circ. Factor							1,379 188			_			-			1,178 161	
	Total Gross Area [square footage]										-			-				
	iotai Gross Area [square footage]							1,567			-			-			1,339	

- A) Two (2) reception windows into Lobby (queuing depth for 2 persons deep each shown); 1 desk officer (lite duty) and 1 record clerk. 3rd clerk shares PD-2 space.

  B) Clerk workstations 'WS2' are inside the Reception Window 'PD-2' space
- C) Files are included in Reception Window 'PD-2'



		Police I	acility (	with Co	ourt (	Clerk \	Vindov	vs + T	rainin	g)							
				City	of B	ee Ca	ve										
										Р	ublic	Safety	/ Lobby	& Tr	aining	g Room	
		Space	Codes/Un	it Sizes		38 SF N				ductions		2nd Rou Reducti			3rd Rou Reducti		
August 21, 2019 update					1	15,000		:	15,000		1	.5,000 p		1	15,000		
	(a) (b) (c) (b) (c) (b) (c) (b) (c) (c) (b) (c) (dy. Qty. Qty. Qty. Qty. Qty. Qty. Qty. Qt																
Note Code Space Description	2018 Staff	Space Code	Unit Size	Unit Area NSF	of	of Space	Total Space	of	of Space	Total Space	of	of	Total Space	of Staff	of	Total Space	Notes:
Supplemental Court Clerk Space																	
D Court Payment Window		PD-5	6x21	126		2	252		2	252		2	252		2	252	off public lobby
E Court Clerks (2)	2	WS2					-			1			-			-	
Court Office		PO2	10x12	120		1	120		1	120		1	120		1	120	shared space for Court Staff
F Work/Copy (share w/police)																	co-located
Net Subtotal					- 372					372	-		372	-		372	
22% Gross Circ. Factor							105			105			105			105	
Total Gross Area [square footage]							477			477			477			477	

#### Notes:

- A) used at Lobby
- B) used at Lobby
- C) used at Lobby
- D) Courts Payment Window includes queueing depth in Spatial diagram for 2 persons deep at each window in 'PD-5'
- E) Court Clerk workstations 'WS2' are inside the Court Payment Window 'PD-5'
- F) same Work/ Copy shown in Lobby 63 SF

Municipal Court will continue to be held at City Hall



			Police	Facility	y (w/Co	urt C	lerk V	Vindow	s + Tr	ainin	g)							
					City	y of B	ee Ca	ive										
														Poli	ce Ad	minis	tration	
			Space	Codes/U	nit Sizes	20	38 SF N	leeds	1st Ro	und Re	ductions		2nd Roi Reducti			3rd Rou Reducti		
	August 21, 2019 update				{a}	1	.5,000 <sub>[</sub>	oop. {c}	1	.5,000 p	oop. {c}	1	.5,000 p	oop. {c}	1	5,000 p	oop. {c}	
Note Code	Space Description	Unit Area NSF	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space	Notes:			
	Police Administration																	
	Reception/Sub-Waiting																	not needed; use main lobby
	Admin Assistant	1	PO2	10x12	120	1	1	120	1	1	120	1	1	120	1	1	120	
Н	Copy/Work/Coffee (shared)	1)						-			-			-			-	see shared staff support
G	Conference (6)			12x16	192		1	192		1	192		1	192		1	192	share with CID
	Police Chief	1	PO6	13x23	299	1	1	299	1	1	299	1	1	299	1	1	299	more to public side
	Toilet/Shower			8x11	88		1	88		1	88			-	-	-	-	see below shower/toilet
Р	Lieutenant	2	PO3	12x12	144	3	3	432	3	3	432	3	3	432	2	2	288	deleted 1 to add Sgt @ Patrol
	Storage			10x12	120		1	120		1	120		1	120		1	120	future office or conference
	CL-SS T-No. / Ch.			0.44	00			-			-			-			00	
	Staff Toilet / Shower Staff Toilet			8x11 8x8	88 64			_						-		1	88	shared w/suite per Chief
0.00 04																		
	Net Subtotal					1,251					1,251			1,163			1,107	
25% Gross Circ. Factor						417								388			369	
	Total Gross Area [square footage]	4				5		1,668	5		1,668	5		1,551	4		1,476	

- A) used at Lobby
- B) used at Lobby
- C) used at Lobby
- D) used at Court Clerk Window
- E) used at Court Clerk Window
- G) shared conference (PD-Admin & CID)
- H) Copy/Work/Coffee shared space (2) at 99 SF; locate central in Adm. and CID
- J) used at Evidence
- K) used at Patrol
- L) used at Patrol
- L) used at Patrol N) used at Asset Support
- P) Lieut. reduced by one(1) but added to Patrol



			Polic	e Facilit	y (w/Co	ourt C	lerk V	Vindow	s + Tr	aining	;)							
					Cit	y of B	ee Ca	ve										
															lı	nvesti	gations	
			Space (	Codes/Un	it Sizes	20	38 SF N	leeds	1st Ro	ound Re	ductions	2nd Ro	ound Re	ductions	3rd Ro	ound Re	ductions	
	August 21, 2019 update					1	5,000 p	ор.	1	15,000 p	ор.	1	.5,000 p	юр.	1	.5,000 p	op.	
					{a}		{b}	{c}										
Note Code	Space Description	2018 Staff	Space Code	Unit Size	Unit Area NSF		Qty. of Space	Total Space		Qty. of Space	Total Space		Qty. of Space	Total Space		Qty. of Space	Total Space	Notes:
	Investigations																	
	Visitor Sub-waiting (5)				120		1	120		1	120		1	120		1	120	one sub-waiting is fine
	Toilet			8x8	64		1	64		1	64		1	64		-	-	delete - use lobby
	Interview (4)			10x10	100		1	100		-	-			-			-	delete
	Soft Interview		IN3	10x12	120		1	120		1	120		1	120		1	120	reduced
	Reception/Admin Assistant (1)			7x8	80		1	80		-	_			-			-	delete space; lobby/recpt
G	Conference (6)			12x16	192													shared - see PD-Adm
	Interrogation (3)		IN2	9x9	81		1	81		1	81		1	81		1	81	suspects wait in main lobby
	Detective	2	WS4	7x8	80	4	4	320	4	4	320	4	4	320	4	4	320	1 Det. now over evidence
	Computer Forensics (2)			10x14	140		1	140		1	140		1	140		-	-	delete per Chief
	Staff Toilets			8x8	64			-			-			-			-	use locker room toilets
H	Copy/Work/Coffee (shared)			9x11	99			-			-			-			-	see shared staff support
	Warroom/Conf (10)		12x20	240		1	240		1	240		1	240		-	-	delete - use Admin Conf	
	Equip Storage			8x10	80		1	80		1	80		1	80		1	80	
f	Net Subtotal	2						1,345			1,165			1,165			721	
	27% Gross Circ. Factor							497			431			431			267	
	Total Gross Area [square footage]					4		1,842	4	•	1,596	4		1,596	4		988	

- A) used at Lobby
- B) used at Lobby
- C) used at Lobby
- D) used at Court Clerk Window
- E) used at Court Clerk Window
- F) used at Court Clerk Window
- hared conference (PD-Admin & CID)
  H) Copy/Work/Coffee shared space (2) at 99 SF; locate central in PD-Admin and CID



		Police	e Facility	/ (w/Cd	ourt C	lerk \	Vindow	s + Tr	aining	g)							
				Cit	y of B	ee Ca	ive										
													Pro	opert	y & Ev	vidence	
		Space	Codes/Uni	t Sizes	20	38 SF N	Needs	1st Ro	ound Re	ductions		2nd Rou Reducti		3rd Ro	ound Re	ductions	
August 21, 2019 update					1	5,000		1	15,000 p		1	15,000 p		1	L5,000 p		
Note Code Space Description	2018 Staff	Space Code	Unit Size	<i>{a}</i> Unit Area NSF	Qty. of Staff	(b) Qty. of Space	{c} Total Space	Qty. of Staff	(b) Qty. of Space	{c}  Total  Space	Qty. of Staff	(b) Qty. of Space	{c}  Total  Space	Qty. of Staff	(b) Qty. of Space	{c} Total Space	Notes:
Property & Evidence					Jean	Space		Jean	Jpacc		Starr	Jpacc		Stair	Jpacc		
Public Pick-up Window																	use front lobby
																	use interview for pick-up
Evidence/Property Tech Work Area																	
Property Work Area			12x12	144		1	144		1	144		1	144		1	144	review if this combines w/ Sort
Property Tech		WS2	6x7	60													potential for future position
Staff Service Window			0.0														
Toilet	-		8x8	64			-			-			-			-	
Evidence/Property Processing																	
Patrol Evidence Work/Lockers		PD-8	10x12	120		1	120		1	120		1	120		1	120	1 refrigerated locker unit; Total #?
Drying Cabinet (1)/sink		PD-8	10x12	70		1	70		1	70		1	70		1	70	Trejrigerated locker unit; Total #r
Drying Cabinet (1)/sink		FD-0	10.77	70			70		1	70		1	70		1	70	
Evidence Processing/Sort			14x14	196		1	196		1	196		1	196		1	196	back access to lockers
Supply/Shelves			2x9	18		1	18		1	18		1	18		1	18	empty boxes, containers; wall mtd
Janitor Closet			5x7	35		1	35		1	35		1	35		1	35	
Drugs			7x9	63		1	63		1	63		1	63		1	63	vent to exterior
36"W Shelves (2 +2)																	converted metal cab to shelves
Secure Weapons			7x9	63		1	63		1	63		1	63		1	63	doubles exist capacity
(1)16"x36"x96" (144 per unit)																	
Handgun/Knife boxes																	
(1) 18" x 48"x96" (70 per unit)																	
Long guns																	
General Property/Evidence			19x22	418		1	418		1	418		1	418		1	400	reduced
Shelves (4) 36"w x 24"d																	current shelves - only have 24"d
Shelves (3+3) 36"w x 18"d																	convert file/mtl cabs to shelves
Tube/Safe(1)			2x8														wall space for thin items/safe
Destruction(2) 36"w shelves	-																
Large Item Storage 48"D (1)																	
Refrigerator(2+1)			1010	100		-	100		- 1	100		1	100		1	100	
J Large Property/After Hours	-		10x10	100		1	100		1	100		1	100		1	100	
Processing Lab/Crime Scene	-	-															
Vestibule			5x8	40		1	40		1	40			_			_	delete
Process Lab		PD-7	15x15	225		1	225		1	225			-				deleted /counter fume, blood dry
		,	10/110		1									1			and a second sec
Net Subtotal							1,492			1,492			1,227			1,209	
18% Gross Circ. Factor							328			328			269			265	
- Total Gross Area [square footage]					-		1,820	-		1,820	-		1,496	-		1,474	

- A) used at Lobby
- B) used at Lobby
- C) used at Lobby
- D) used at Court Clerk Window
- E) used at Court Clerk Window
- F) used at Court Clerk Window
   G) shared conference (PD-Admin & CID)
- H) used at shared staff (PD-Adm. & CID)
- J) Drop off area. Provide 3-4 cages for items too big for pass-thru lockers; provide open floor space for really large/heavy item (use garage).



			Police	e Facilit	y (w/Co	ourt (	Clerk \	Vindov	/s + T	rainin	g)							
					Cit	y of E	Bee Ca	ave										
																	Patrol	
		Т	T										2nd Rou	ınd		3rd Rou		
			Space	Codes/U	nit Sizes	20	38 SF N	leeds	1st Ro	und Re	ductions		Reducti			Reducti		
	August 21, 2019 update					1	5,000	оор.	1	5,000 p	ор.		.5,000 p			.5,000 p		
					{a}		{b}	{c}		{b}	{c}		{b}	{c}		{b}	{c}	
Note	Space Description	2018	Space	Unit Size	Unit	Qty. of	Qty. of	Total	Qty. of	Qty. of	Total	Qty. of	Qty. of	Total	Qty. of	Qty. of	Total	Notes:
Code	Space Description	Staff	Code	OTHE SIZE	Area NSF		Space	Space		Space	Space		Space	Space		Space	Space	Notes.
	Patrol																	
Р	Lieutenant							-			-			-			-	Located in PD-Admin suite
	Days (Shift A & B)							-			-			-			-	
K, P	Sergeant	2	SO2	16x18	250	2	1	250	2	1	250	2	1	250	3	1	286	5 sergeants in shared office
L	Officer	4				8		-	8		-	8		-	8		-	
	All the (Chift A G D)	-																
14	Nights (Shift A & B)	_	502		250	_			2			_			_			(f) 111 B (115 C)
K	Sergeant Officer	2	SO2		250	2 8		-	2		-	2 8		-	2	-	-	office with Day Shift Sgts
L	Mids (Shift A & B)	4				8		-	8		-	8		-	8		-	
L	Officer	2				4			4			4			4			
	Officer					4		-	4		-	4		-	4		-	
	Animal Control																	
	Officer					2		-	2		-	2		-	2		-	use report writing
															_			
L	Report Writing (6 )/Briefing (8)		PD-4	24X12	636		1	636		1	636		1	636		1	636	review briefing set-up options
	Briefing Conf (8)		PD-4	24X12														
	Mail																	
	Copy/Work/Supplies																	
	Equipment Distribution/Storage			9x10	90		1	90		1	90		1	90		1	90	tasers, tickets, rifles & guns
L	Conference(4)/Juvenile			10x12	120		1	120		1	120		1	120		1	120	discuss whether to delete
	Quartermaster		PD-3	9.5x20	190		1	190		1	190		1	190		1	190	controlled by Sgts.
	Intake & Booking																	
-	Secure Vestibule	<b></b>		6x8	48		1	48		1	48		-	-		-	- 00	deleted
-	Holding (2)	<b></b>		10x10 10x12	100 120		1	100		1	100 120		1	80		1	80 80	w/combo unit; bench
	Booking counter (1)	120		1	120		1	120		1	80		1	80	counter w/detainee locker			
-	Staff Vestibule	-		8x10	80		1	80		1	80		1	80		1	80	
-	Ice/Water/Utility/Mud	-		8x10	80		1	80		1	80		1	80		1	80	
	ice, water, othicy, wide		l	0710	50		1	30		1	50		1	- 50		1	- 50	
	Net Subtotal							1,714			1,714			1,606			1,642	
	28% Gross Circ. Factor							667			667			625			639	
	Total Gross Area [square footage]	14				26		2,381	26		2,381	26		2,231	27		2,281	

- A) used at Lobby
- B) used at Lobby
- C) used at Lobby
- D) used at Court Clerk Window
- E) used at Court Clerk Window
- F) used at Court Clerk Window G) shared conference (PD-Admin & CID)
- H) used at shared staff (PD-Adm. & CID)
- J) used at Evidence
- K) Sergeants to share office 'SO2' both day and night shifts
- L) Officers typ. in patrol cars; use shared 'PD-4' Report Writing when in station.
- K) used at Patrol
- L) used at Patrol
- N) Listed on Police Parking count chart (3- Site Planning)
- P) Lieut. reduced by one(1) in PD-Adm, but add one (1) at Patrol Sergeant



			Police	e Facility	(w/Co	urt C	lerk V	Vindow	rs + Tı	ainin	g)							
					City	y of B	ee Ca	ive										
															S	taff S	upport	
			Space	Codes/Uni	it Sizes		38 SF N				ductions	F	2nd Rou Reducti	ons	F	3rd Rou Reducti	ons	
	August 21, 2019 update				(-)	1	.5,000 <sub>[</sub>	pop. {c}	1	.5,000 p		1	.5,000 p		1	.5,000 p		
Note Code					<i>{a}</i> Unit Area NSF	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	{c} Total Space	Qty. of Staff	Qty. of Space	<i>{c}</i> Total Space	Qty. of Staff	Qty. of Space	<i>{c}</i> Total Space	Notes:
	Staff Support																	
	Break (8-12)/Kitchen/Vending (2)			18x25	450		1	450		1	450		1	450		1	400	reduced
	Staff Toilets Single			8x8	64		4	256		4	256		4	256		4	256	for depts away from locker room
Н	Shared Work/Copy/Coffee			9x11	99		2	198		2	198		2	198		2	198	shared support staff
	Unisex Locker Room/Staff Toilets																-	no civilian lockers
	Sworn (18"x22"x72")				11		34	374		34	374		34	374		34	374	drawer base
	Male Staff Toilet (2,3,2 lav.)			11x28	308		1	308		1	308		1	308		1	308	
	Female Staff Toilet (2-T, 2-lav)			11x18	198		1	198		1	198		1	198		1	198	
	Toilet/Shower Room			11x8	88		3	264		3	264		3	264		3	264	
	Dressing Room			5x7	35		2	70		2	70		2	70		2	70	
	Exercise Room			30x30	900		1	900		1	900		1	900		1	850	reduced
	Defensive Tactics (10)			20x30	600			-			-			-		_	-	use training room
	Storage	90			-			-			-			-	delete			
	Net Subtotal							3,018			3,018			3,018			2,918	
	28% Gross Circ. Factor							1,174			1,174			1,174			1,135	
	Total Gross Area [square footage]		-		4,192	-		4,192	-		4,192	-		4,053				

- A) used at Lobby
- B) used at Lobby
  C) used at Lobby
- D) used at Court Clerk Window
- E) used at Court Clerk Window
- F) used at Court Clerk Window
- G) shared conference (PD-Admin & CID)
- H) Copy/Work/Coffee shared space (2) at 99 SF; locate central in Adm. and CID
- J) used at Evidence
- K) used at Patrol
- L) used at Patrol



			Police	e Facility	(w/Co	urt C	lerk V	Vindow	rs + Tı	ainin	g)								
					City	y of B	ee Ca	ve											
															Build	ding S	upport		
			Space	Codes/Uni	t Sizes	20	38 SF N	leeds	1st Ro	und Re	ductions		2nd Rou Reducti			3rd Rou Reducti			
August 21, 2019 up	odate					1	.5,000 p		1	.5,000 p		1	.5,000 p		1	.5,000 p			
Note Code Space Description	Space Description Staff Code Unit Size Area				1-7	Qty. of Staff	(b) Qty. of Space	{c}  Total  Space	Qty. of Staff	(b) Qty. of Space	{c} Total Space	Qty. of Staff	(b) Qty. of Space	{c} Total Space	Qty. of Staff	(b) Qty. of Space	{c} Total Space		Notes:
Building Support						Starr	Space		Jun	Jpacc		Jean	Jpacc		Jean	Jpacc			
Central Electrical				12x14	168		1	168		1	168		1	168		1	168		
Electrical Closet				8x9	72		1	72		1	72		1	72		1	64	size reduced	
Mechanical				12x14	168		1	168		1	168		1	168		1	168		
Sprinkler				6x8	48		1	48		1	48		1	48		1	48		
Building Control/	Engineer			9x12	108		1	108		1	108		1	108		-	-	deleted	
Central Janitor				10x12	120		1	168		1	168		1	120		1	120	reduced	
Janitor Closet				6x8	48		1	48		1	48		1	48		1	48		
Server Room (5+2	L racks)			12x20	240		1	240		1	240		1	240		1	200	reduced	
storage cabinet	S																		
I.T. Workroom				10x12	120		1	120		1	120		1	120		1	120		
General Storage				12x14	168		1	168		1	168		1	168		1	140	reduced	
Building Material	S			10x12	120		1	120		1	120		1	120		1	120		·
Net Subtotal		l I						1,428			1,428			1,380			1,196		
18% Gross Circ. F	actor							313			313			303			263		
- Total Gross Area [s	quare footage]	-				-		1,741	-		1,741	-		1,683	-		1,459		



Police Facility (w/Court Clerk Windows + Training)																
	City of Bee Cave															
Asset Support Buildings																
	August 21, 2019 update  Space Codes/Unit Sizes  2038 SF Needs  1st Round Reductions  Reductions  15,000 pop.  15,000 pop.  15,000 pop.  15,000 pop.															
August 21, 2019 update					1			1			1			1		
				{a}	0.	{b}	{c}									
Note Code Space Description	2018 Staff	Space Code	Unit Size	Unit Area NSF	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space
Asset Support Building _ Conditioned																
Sallyport							-			-			-			-
Bay 1-Vehicle Processing (1)		PD-6	22x26	572		1	660		1	572		1	572		1	572
Gun Cleaning (2)/Armory			10x19	190		1	190		1	190		1	190		1	150
Net Subtotal							850			762			762			722
8% Gross Circ. Factor			74			66			66			63				
Total Gross Area [square footage]							924			828			828			785

	Notes:
determined t	o be not needed
decreased siz	e of bay
reduced	

Asset Support Building _ Non-condition	ed												
Bay 2		15x24	360	1	360	1	360	1	360		1	200	
Bike Patrol (bikes, cabinet, bench)		15x12											
Kennels (2)/storage		15x12											
Bay 3 - Equip/Traffic		15x24	360		-		-		-				
Bay 4 -Large Property		15x24	360	1	360	1	360	1	360		1	300	
Bikes					-		-		-				
Net Subtotal			•	ĺ	720		720		720 500				

reduced; just bike patrol (4)	
deleted	
determined to be not needed	
reduced	

Net Subtotal		720	720	720	500
8% Gross Circ. Factor		63	63	63	43
Total Gross Area [square footage]		783	783	783	543

	Specialty Vehicles									
N	Tactical vehicle			-		-		-		-
N	Seized Vehicle			-		-		-		-
N	Equipment Trailer (6'x12')			-		-		-		-
N	(2)Radar Trailer (6'x9')									
N	Emergency Generator/Trailer									

Ideally provide covered parking
In open per questionaire
In open per questionaire
on trailer

Typical Formula is  $a \times b = c$ 

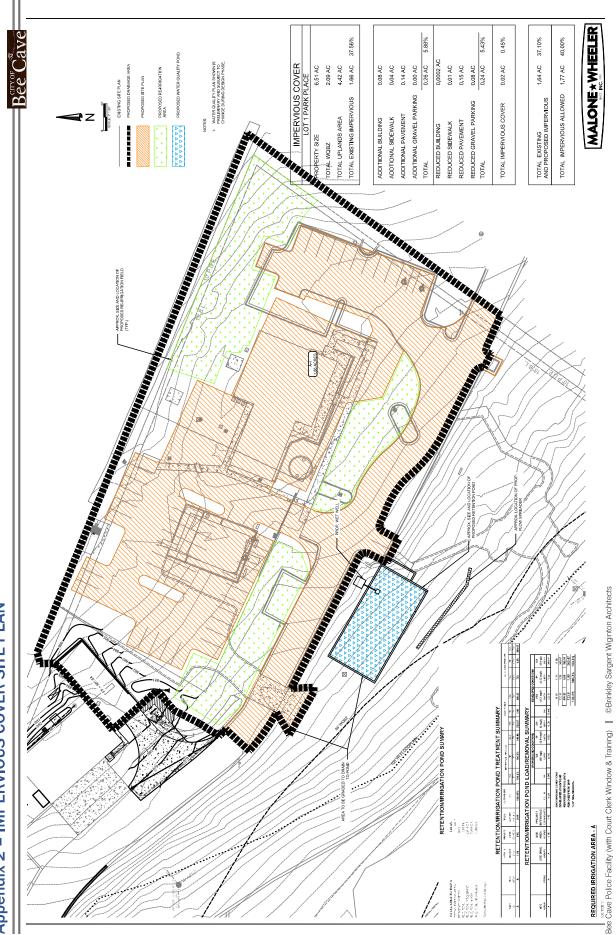
- A) used at Lobby
- B) used at Lobby
- C) used at Lobby
- D) used at Court Clerk Window
- E) used at Court Clerk Window
- F) used at Court Clerk Window
- G) shared conference (PD-Admin & CID)
- H) Copy/Work/Coffee shared space (2) at 99 SF; locate central in Adm. and CID
- K) used at Patrol
- L) used at Patrol
- N) Listed on Police Parking count chart (3- Site Planning)

# Appendix 1 - CONCEPTUAL SITE PLAN





**FULL SITE PLAN WITH ENLARGED VIEW** 



Appendix 2 - IMPERVIOUS COVER SITE PLAN

# Appendix 3 - PROJECT BUDGET



# **Schedule Milestones Dates**

OPTION 4A - Demolish existing facility and provide all new construction

Dates are subject to Contractor's Schedule and demolition\*\*

Construction start Aug. 2020
Occupancy late Fall 2021\*\*

# Total Development Budget = \$8,986,215 \*

The following page shows the total development budget including 'Notes' reflecting cost assumptions based upon a detailed analysis. To develop the estimated construction costs and additional Project Cost estimates, Brinkley Sargent Wiginton Architects utilized past and similar projects.

\*additional 6% inflation at Aug 2020 Milestone

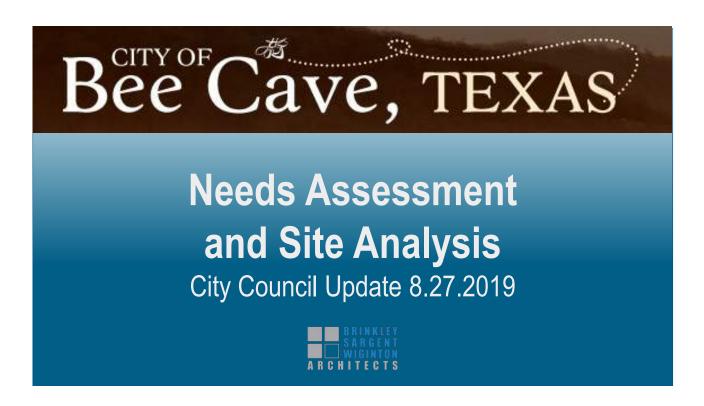


# **Bee Cave Police Facility**

New Building - August 2020 Construction Start
Project Budget - Brinkley Sargent Wiginton Architects
August 22, 2019

	8/22/2019			
Land Acquisition	0	Note A	Notes:	
Total	0			Not included
Teeting Convices				To be determined
Testing Services Site Environmental Assessment	4,000			17,600 s.f. @ approximately \$1.50/SF 16,271 @ \$400/SF
Existing Building Asbestos Assessment	3,000		Note D.	1,328 @ \$250/SF
	8,000		Note E	Incorporated into construction budget
Geotechnical Report Materials Testing		Note C		
Total	26,400 <b>41,400</b>	Note C		5,000 SF @ \$16/SF
Total	41,400			Reuse existing / partial building backup Contingency for design scope modifications
Construction			Note II.	and discovered items due to exist. conditions
New Police Building	6,508,400	Note D	Note I	Inflation assumptions:
New Police Building	332,000	Note D	Note J.	- 8/2019 to 8/2020 - 6%
Demolition of existing building	80,000	Note F	Note K	Projected schedule: August 2020 constr. start
Site Development / Parking	0	Note E		Furniture assumptions:
Site Landscape	0	Note E	NOIC L.	- Furniture install late July 2021
Site Fence / Gates	0	Note E/Y		- Assumes mostly new furniture
On-Site Water Retention	0	Note E		- Assumes re-use of exist.files and shelving
Security Systems	0	Note E		- Assumes some donations on exer. equip.
I.T. Infrastructure	0	Note E		and reuse of existing
Covered Parking	0	Note V	Note M	New telephones through separate city budget
Police Equipment / Lockers	0	Note Y		Modest AV scope of work
Emergency Generator	0	Note G		Survey previously provided by City.
LEED Enhancements	0	Note A		Unknown at this time
Construction Contingency	0	Note E		Provided by City through furniture vendor
Design Contingency	200,000	Note H		Temporary police location TBD
Sub-Total	7,120,400			1% of construction budget
Inflation	427,224	Note J		Cost will vary depending on availability / location
Total	7,547,624	Note K		Estimating in CMAR preconstruction fee
				Not currently included but possible Bid Alternate
FF&E			Note W	: CMAR as optional project delivery method -
Furniture	220,000	Note L		if used, fee amount would cover estimating
Exercise Equipment	0	Note L	Note X:	Relocating line of site tower prior to construction,
Telephones	0	Note M		option to go to fiber may be possibility
A/V Equipment	25,000	Note N	Note Y:	Possible reuse of some existing
Total	245,000			•
City Budgets				
Art Budget	0			
Site Survey - Tree and Topo	15,000			
Construction Manager at Risk Pre-Const.	7,500	Note W		
Off-Site Utility Development	0	Note P		
Moving Costs	TBD	Note T		
IT Equipment Relocation	TBD	Note T		
Temporary Office Space	TBD	Note T		
Communication Tower relocation	15,000	Note X		
Computers	TBD	Note B		
WTCPUE Water / Wastewater Impact Fees	50,000			
Off-Site Fiber to Site	0	Note B/X		
Owner Contingency	75,476	Note S		
Total	162,976			
Desferal and Orania				
Professional Services	0.000			
Site Submittal Process	8,000			
TCEQ Submittal Process	2,000			
Estimated Design Services:	905,715			
Architectural, Structural, MEP, Civil, Landscape Arch.	0.000			
Audio/Visual Consulting	8,000			
HVAC Building Commissioning	15,000			
TAAS Consultant	2,500			
Technology / Security Consultants Services	12,000			
(BCCP) Endangered Species Participation	18,000	Note O		
Furniture Selection	0	Note Q		
LEED Consultation	0	Note A		
Record Drawings	8,000	NI-4- II		
Cost Estimating	0	Note U		
Reimbursable Costs	10,000			
Total	989,215			
Total Project Cost	8,986,215			
	-,,			







#### **Goals of Process**

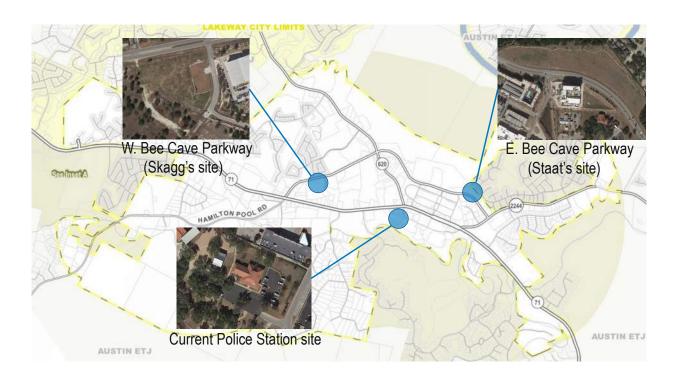
- Understand and quantify Bee Caves current and future spatial needs for police and court services.
- Listen and express Bee Cave's community objectives for the building and site.
- Evaluate three sites identified by City for most appropriate location for new building.

## **Steps of the Process**

- 1. Inventory of Facilities
  - Architectural condition of building
  - Regulatory agencies, City Codes and Developmental Requirements
  - Site constraints / opportunities
  - Staff questionnaires
  - Maintenance issues
- 2. Needs Assessment (Current / 20 year at 15,000 pop.)
- 3. Development Strategy Options for co-located Police and Court for three separate sites
- 4. Expanded options for locating Police with Court windows on current site
- 5. Project Budget
- 6. City Council Update
- 7. Final Report







Police with Court Window Building Program (17,600 SF)

	City	of Bee	Cave							
							T	OTAL E	BUILDING	
		2038	SF Needs	1st	Round	2nd	Round	3rd Round Reductions		
August 21, 2019 update					uctions		luctions			
	2018	15,0	00 pop.	15,0	000 pop.	15,0	000 pop.	15,0	100 рор.	
ipace Description	Staff	Staff	Total Space	Staff	Total Space	Staff	Total Space	Staff	Total Spac	
Police Summary										
Lobby	-	2	1,686	2	1,686	2	1,307	2	1,261	
Supplemental Court Clerk Space		l		-	477		477		477	
Training	-	-	1,567	-	-		-		1,339	
Police Administration	4	5	1,668	5	1,668	5	1,551	4	1,476	
Investigations	2	4	1,875	4	1,629	4	1,629	4	988	
Property & Evidence	-		1,820	-	1,820		1,496	-	1,474	
Patrol	14	26	2,381	26	2,381	26	2,231	27	2,281	
Staff Support	-	l	4,192		4,192		4,192		4,053	
Building Support	-		1,741	-	1,741		1,683		1,459	
let Subtotal	20		16,930		15,593		14,565		14,807	
9% Mech/Bldg, Circ, Factor		l	1,674		1,542		1,440		1,464	
Total Police		37	18,604	37	17.135	37	16,005	37	16,271	
			,							
Holding										
Temporary Holding	-	-	415	-	415	-	-			
9% Mech/Bldg. Circ. Factor			41		41		-		-	
Total Holding			456		456			_		
Police Asset Support Buildings										
Conditioned			924		828		828		785	
Non Conditioned			783		783		783		543	
AL - Police Facility										
Staff		37		37		37		37		
Gross Building Square Footage			20,767		19,202		17,616		17,600	
Sauara footaga s	avings if 1st Roun	d Daduct	ions taken		1,565					
					1,305	l				
Square footage so	avings if 2nd Roun	d Reduct	ions taken				3.151			

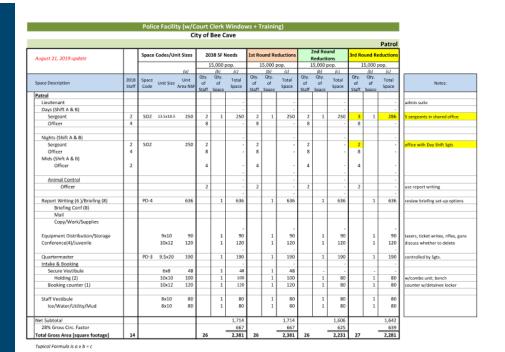




Supplemental Court Windows and Office

		Polic	e Facili	ty (w/C	:ourt	Clerk	Windo	ws + 1	rainir	ng)							
				Ci	ity of	Bee C	ave										
										P	ublic	Safet	y Lobby	& Tr	aining	Room	
August 21, 2019 update		Space Codes/Unit Sizes			2038 SF Needs			1st Round Reductions			2nd Round Reductions			3rd Round Reductions			
				15,000 pop.			15,000 pop.			15,000 pc			15,000 pop.				
Space Description	2018 Staff	Space Code	Unit Size	(a) Unit Area NSF	Qty. of Staff	(b) Qty. of Space	Total Space	Qty. of Staff	(b) Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Space	(c) Total Space	Notes:
Supplemental Court Clerk Space																	Court still held at City Hall
Court Payment Window (2)/Queue			7x18	126		2	252		2	252		2	252		2	252	off public lobby
Court Clerks (2)	2	WS2					-			-							space included in line above
																	doesn't add space for future st
Court Office		P02	10×12	120		1	120		1	120		1	120		1	120	shared space for other Court st
Work/Copy (share w/police)																	
Net Subtotal					-		372	-		372	-		372	-		372	
22% Gross Circ. Factor							105			105			105			105	ı
Total Gross Area [square footage]							477	1		477			477			477	1

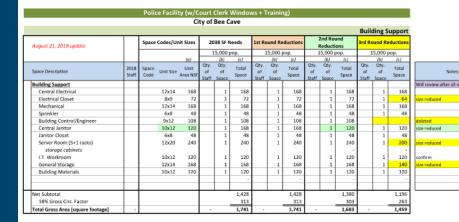
Patrol Department











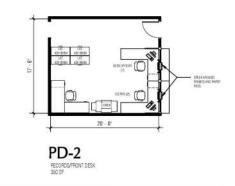


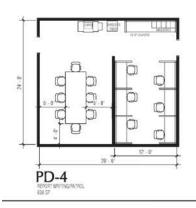
				Ci	ty of	Bee C	ave										
														Supp	ort Bu	ildings	
August 21, 2019 update		Space Codes/Unit Sizes			2038 SF Needs 15,000 pop.					ductions	2nd Round Reductions 15,000 pap.			3rd Round Reductions 15,000 pop.			
			-1	(b)				iop.	-	(b)				(c)			
Space Description	2018 Staff	Space Code	Unit Size	(a) Unit Area NSF	Qty. of Staff	Oty. of Space	Total Space	Qty. of Staff	Qty. of Space	Total Space	Qty. of Staff	Qty. of Soace	Total Space	Qty. of Staff	Qty. of Space	Total Space	Notes:
Asset Support Building - Conditioned																	
Sallyport							-			-			-	_		-	not needed
Bay 1-Vehicle Processing (1)		PD-6	22x26	572		1	660		1	572		1	572	_	1	572	decreased size of bay
Gun Cleaning (2)/Armory		-	10x19	190	<u> </u>	1	190	-	1	190		1	190	<u> </u>	1	150	reduction
Net Subtotal					-		850	-		762	-		762	-		722	
8% Gross Circ. Factor		l					74			66			66			63	
Total Gross Area [square footage]							924		-	828		_	828			785	
Asset Support Building - Non Conditione	<u>d</u>						:			:			:			:	
Bay 2			15x24	360		1	360		1	360		1	360		1	200	reduced; just bike patrol o
Bike Patrol (4 bikes, cabinet, bench)			15x12														
Kennels (2)/storage			15x12														deleted
Bay 3 - Equip/Traffic?			15x24	360									-				not needed
		_	15x24	360		1	360		1	360		1	360	_	1	300	reduction
Bay 4 - Large Property		-			-		-		$\vdash$	-	-		-	-			l
		$\vdash$			$\vdash$		720	$\vdash$		720			720	$\vdash$		500	
Bay 4 - Large Property					I		63	ı		63	ı		63	l		43	
Bay 4 - Large Property Bikes					l		- 03										





Police Support Functions

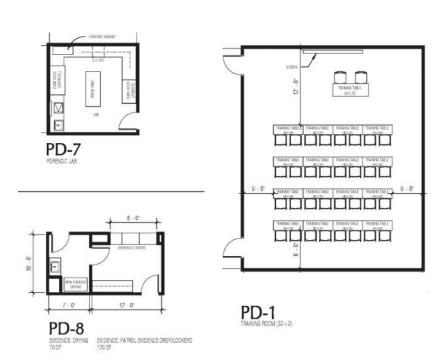








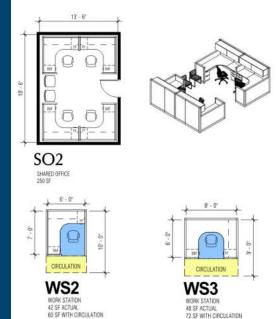
Police Support Functions







## Workstation and Private Offices

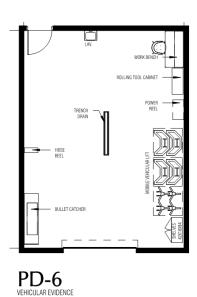


48 SF ACTUAL 72 SF WITH CIRCULATION





## Asset Building







#### Single Room:

Patrol, Briefing, Armory, Gun Cleaning, Lockers, Holding, Evidence Intake/Processing, Intoxilizer, Reports, Quartermaster and Misc. Storage













# Holding / Armory









Evidence Storage Issues







Storage Issues









Office Space





Fitness Rm. located upstairs and combined with Storage









W. Bee Cave Parkway (Skaggs site)



W. Bee Cave Parkway (Skaggs site)







W. Bee Cave Parkway (Skaggs site)



W. Bee Cave Parkway (Skaggs site)







E. Bee Cave Parkway / opposite Market St. (Staats site)



E. Bee Cave Parkway / opposite Market St. (Staats site)







E. Bee Cave Parkway / opposite Market St. (Staats site)



E. Bee Cave Parkway / opposite Market St. (Staats site) Deed restrictions make development difficult

- "... use the property for park and recreational purpose, and for any other purposes agreed to from time to time by Grantor ..."
- "... to construct ...ball fields, walkways and parking areas ... totaling 10,000 SF of impervious cover ...





Existing
Police
building site



Existing
Police
building site







Existing
Police
building site



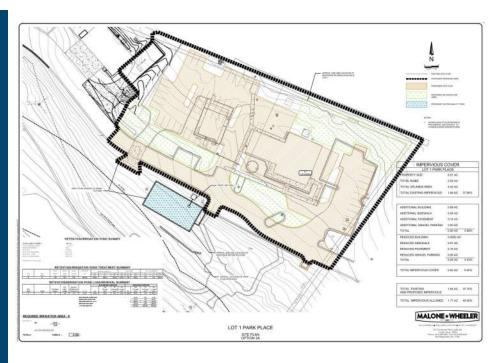
Existing
Police
building site







Water Quality Pond Location



Existing
Police
building site







### Building Program Status -**Big Picture**

- Building Construction type to be a balance between economics and durability
- New construction with program will be a two story building
- Accommodation of court fines will be similar to what was offered in earlier building layout - citizens will be able to pay fines with a walk-up court window that is separate from police

#### Site Issues

- Constraints from existing trees and roadways
- On Edwards Aquifer Contributing Zone
- Limited building pad / parking







#### **Comprehensive Budgeting** Bee Cave Police Facility New Building - August 2020 Construction Start 8/21/2019 Land Acquisition Note A Testing services **Testing Services** Site Environmental Assessment 0 Note B Geotechnical Report 8,000 Materials Testing Note C Construction New Police Building 6,508,400 332,000 Note D Demolition of existing building 79,600 Site Development/Parking Site Landscape Note E Construction Note E Site Fence/Gates **Building components** On-Site Water Retention Note E Security Systems Note E I.T. Infrastructure Note E Contingency Covered Parking Note V Police Equipment/Lockers Note Y Escalation Emergency Generator LEED Enhancements 0 Note G Construction Contingency 0 Note E Design Contingency 200,000 Note H Sub-Total 7,120,000 Inflation 427.200 Note J

#### **Comprehensive Budgeting**

