



Culture Builds Communities

A project of the Association of Tribal Archives,
Libraries and Museums

funded by the

Institute of Museum and Library Services
and the
National Museum of the American Indian

CULTURE BUILDS COMMUNITIES

Design Webinar Series

1. The Design Process
2. Selecting and Working with Architects and Contractors
3. Programming
4. Site Selection, Analysis, & Design
5. Developing the Design – Indigenous Architecture
6. Developing the Design – The Contemporary Museum



Dee Rendon AIA, LEED AP BD+C
Senior Architect
Valhalla Engineering
Denver, CO



Shawn Evans, AIA
Principal
Atkin Olshin Schade Architects
Santa Fe, NM



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Principal
Cunningham Group Architecture, Inc.
Minneapolis, MN

Dee Rendon AIA LEED AP BD+C. I believe strongly in a design process that enriches the people and world we live in, that grows from the purpose and function of the people, place and culture that it serves.

I am a Senior Design Architect, licensed in the state of Colorado, with over 30 years of experience. This includes many forms of commercial, public, private and tribal architecture in various scales and locations across the country and the world.

My passion lies in creating a built environments that speak to the people, place and culture that the project serves.



Dee Rendon AIA, LEED AP BD+C
Senior Architect
Valhalla Engineering
Denver, CO

Design Webinar Series

1. The Design Process

Presented by: **Dee Rendon, AIA, LEED AP BD+C**
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**FOR SUPPORTING
DOCUMENTS, VISIT**

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Design Webinar Series

1. The Design Process

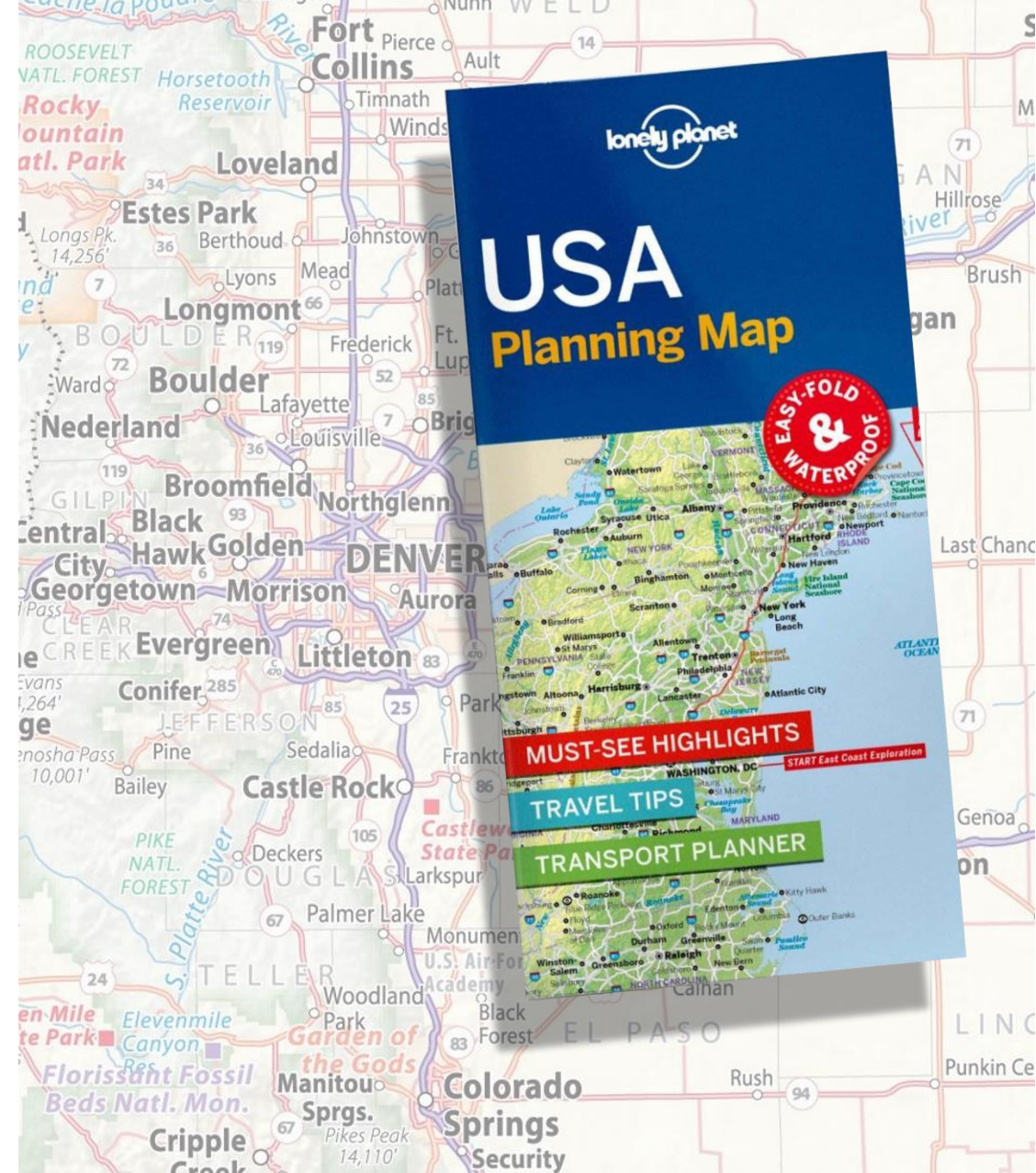
WHAT IS A DESIGN PROCESS?!

AND WHY IS IT IMPORTANT?

Design Webinar Series

1. The Design Process

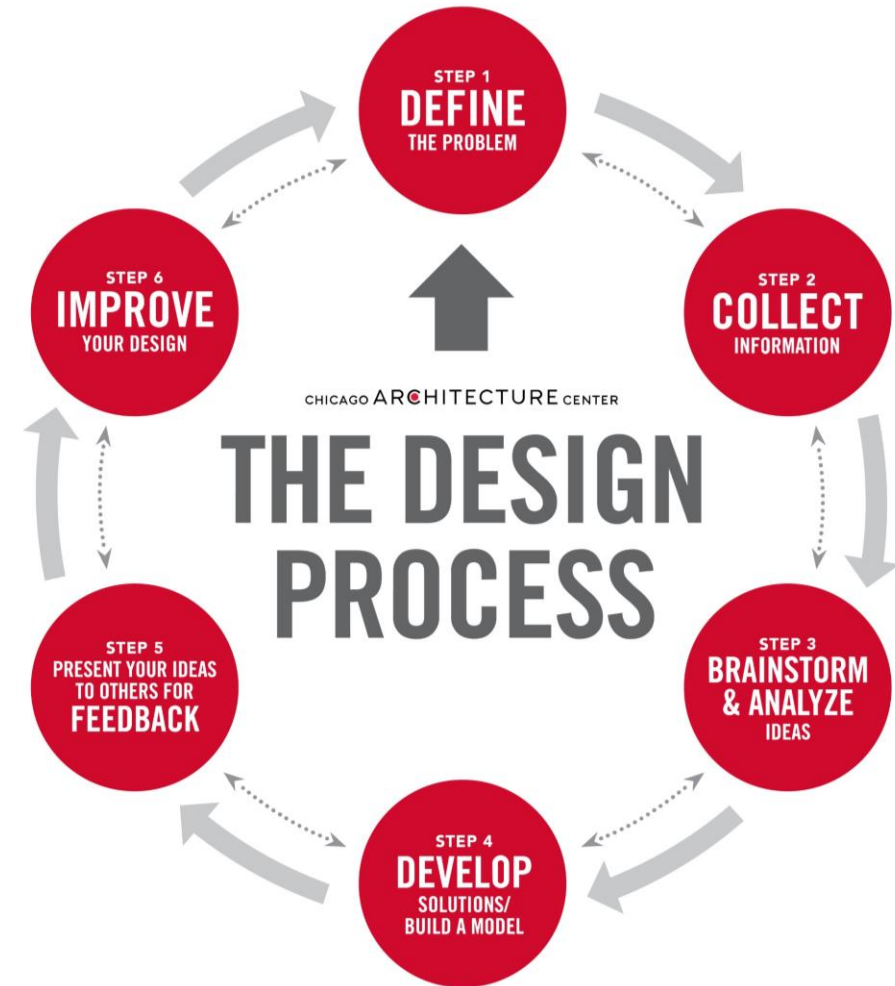
- **MUST- SEE HIGHLIGHTS**
- **TRAVEL TIPS**
- **TRANSPORT PLANNER**



Design Webinar Series

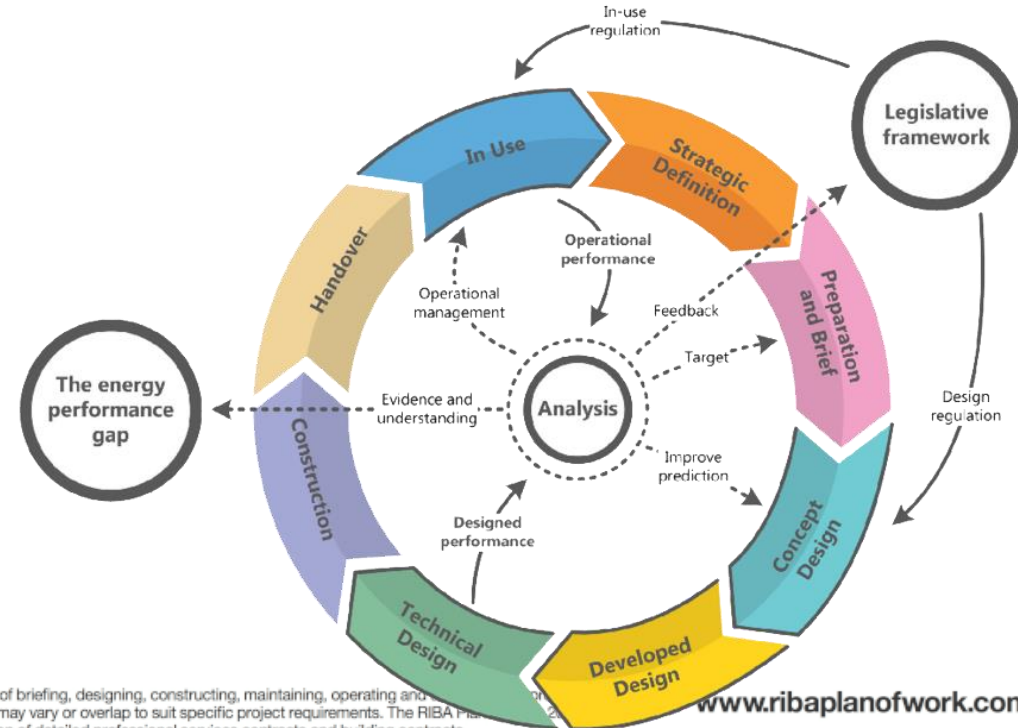
1. The Design Process

- **DEFINE THE PROBLEM**
- **COLLECT INFORMATION**
- **BRAINSTORM & ANALYZE IDEAS**
- **DEVELOP SOLUTIONS**
- **GET FEED BACK**
- **IMPROVE YOUR DESIGN**



Design Webinar Series

1. The Design Process



RIBA
Plan of
Work
2013

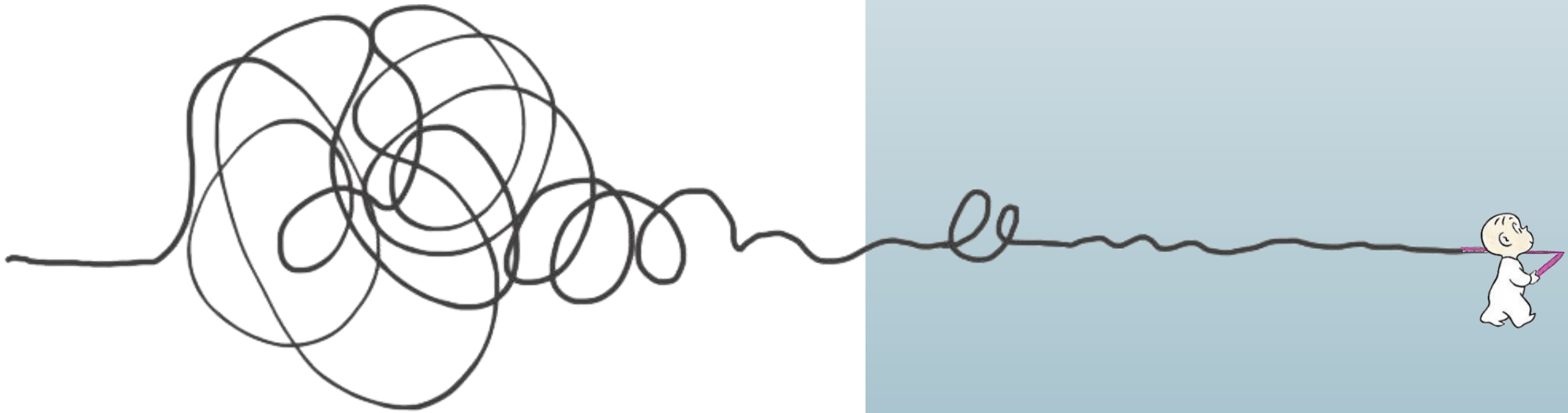
RIBA

The RIBA Plan of Work 2013 organises the process of briefing, designing, constructing, maintaining, operating and... into a number of key stages. The content of stages may vary or overlap to suit specific project requirements. The RIBA Plan of Work 2013 should be used solely as guidance for the preparation of detailed professional services contracts and building contracts. www.ribaplanofwork.com

Stages	0	1	2	3	4	5	6	7
	Strategic Definition	Preparation and Brief	Concept Design	Developed Design	Technical Design	Construction	Handover and Close Out	In Use
Tasks	Strategic Brief.	Initial Project Brief.	Concept Design including outline structural and building services design, associated Project Strategies, preliminary Cost Information and Final Project Brief.	Developed Design, including the coordinated architectural, structural and building services design and updated Cost Information.	Completed Technical Design of the project.	'As-constructed' Information.	Updated 'As-constructed' Information.	'As-constructed' Information updated in response to ongoing client Feedback and maintenance or operational developments.
Information Exchanges (at stage completion)								

Design Webinar Series

1. The Design Process



1. The Design Process

a. Planning Planning Planning

b. Turning a Wish List into a Plan:
Establishing the Concept

c. Building Design: Concept to Reality

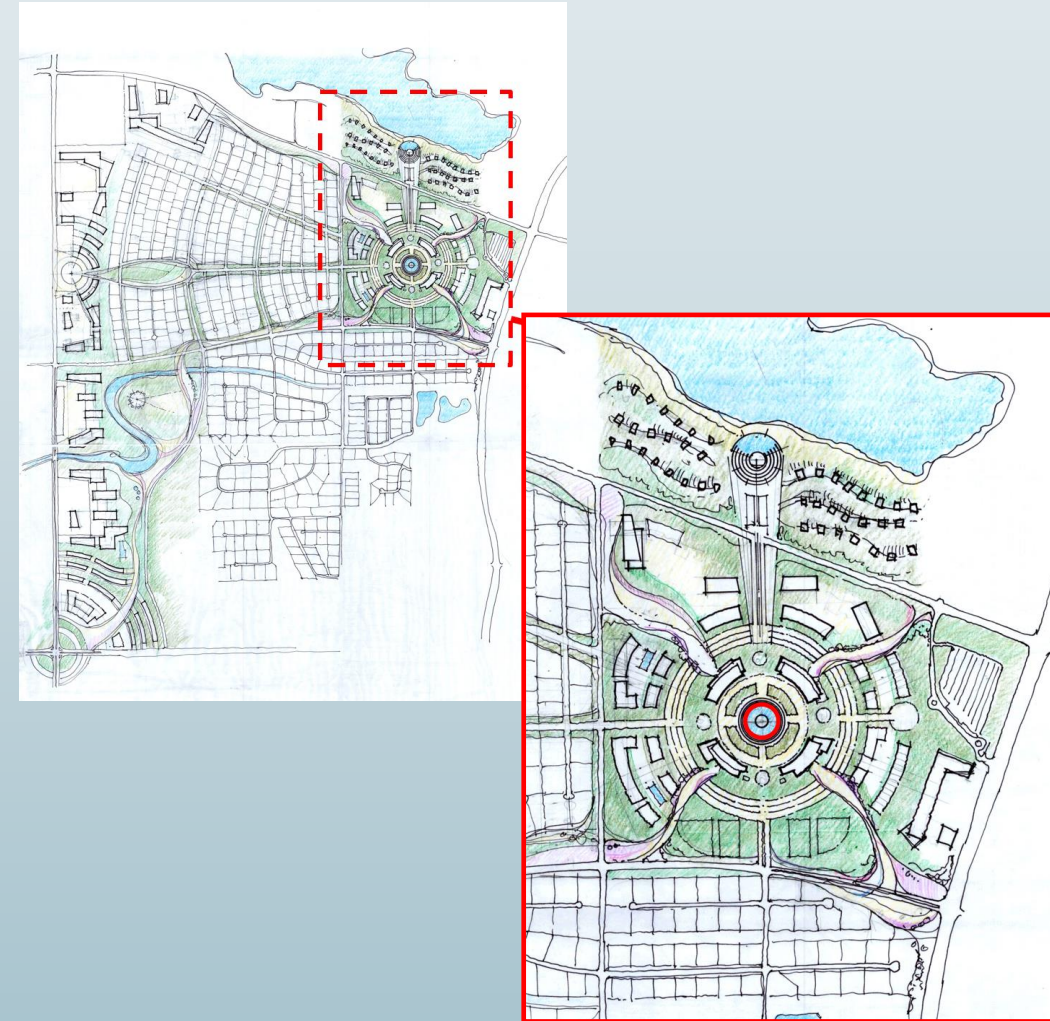
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a. Planning Planning Planning

- i. Strategic Planning
- ii. Land Use Planning
- iii. Master Planning

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b. Turning a Wish List into a Plan: Establishing the Concept

- i. Balancing ambition with reality
- ii. Parti – the organizing principle
- iii. The visitor experience

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Design Webinar Series

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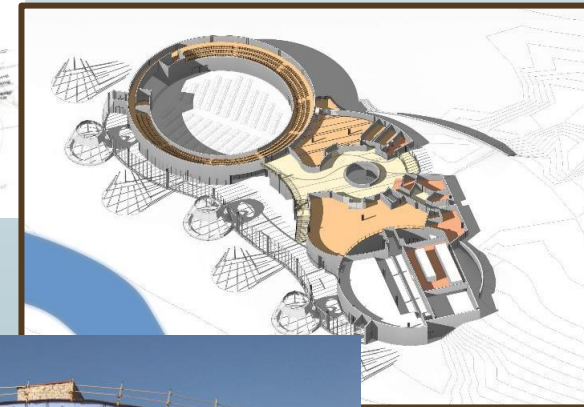
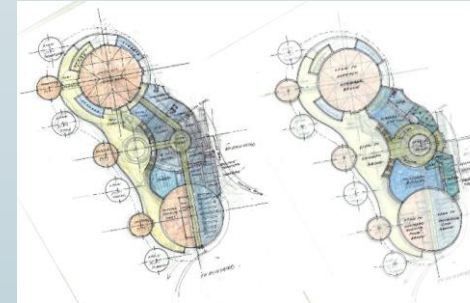
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- vi. Construction Administration
- vii. Closeout and Warranties
- viii. Post-Occupancy Evaluation



1. The Design Process

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Strategic Planning

Strategic Planning is the way in which an organization:

- Agrees on a vision of where it wants to go and what it wants to achieve
- Ensures the vision meets the needs of its audiences and community
- Ensures that it identifies the resources needed to fulfill the vision
- Allows sound decision-making in response to changes in environment

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*AGREED
UPON VISION* *MEET
NEEDS*

*IDENTIFY
RESOURCES* *SOUND
DECISION
MAKING*

Strategic Planning

WHY do Strategic Planning?

- Focus and reaffirm your Mission
- Define your Vision for the future
- Review and affirm (or not) your existing or proposed programs
- Educate and involve your Board, Staff, Volunteers and Community
- Define and prioritize Goals, Strategic Objectives and Action Plans

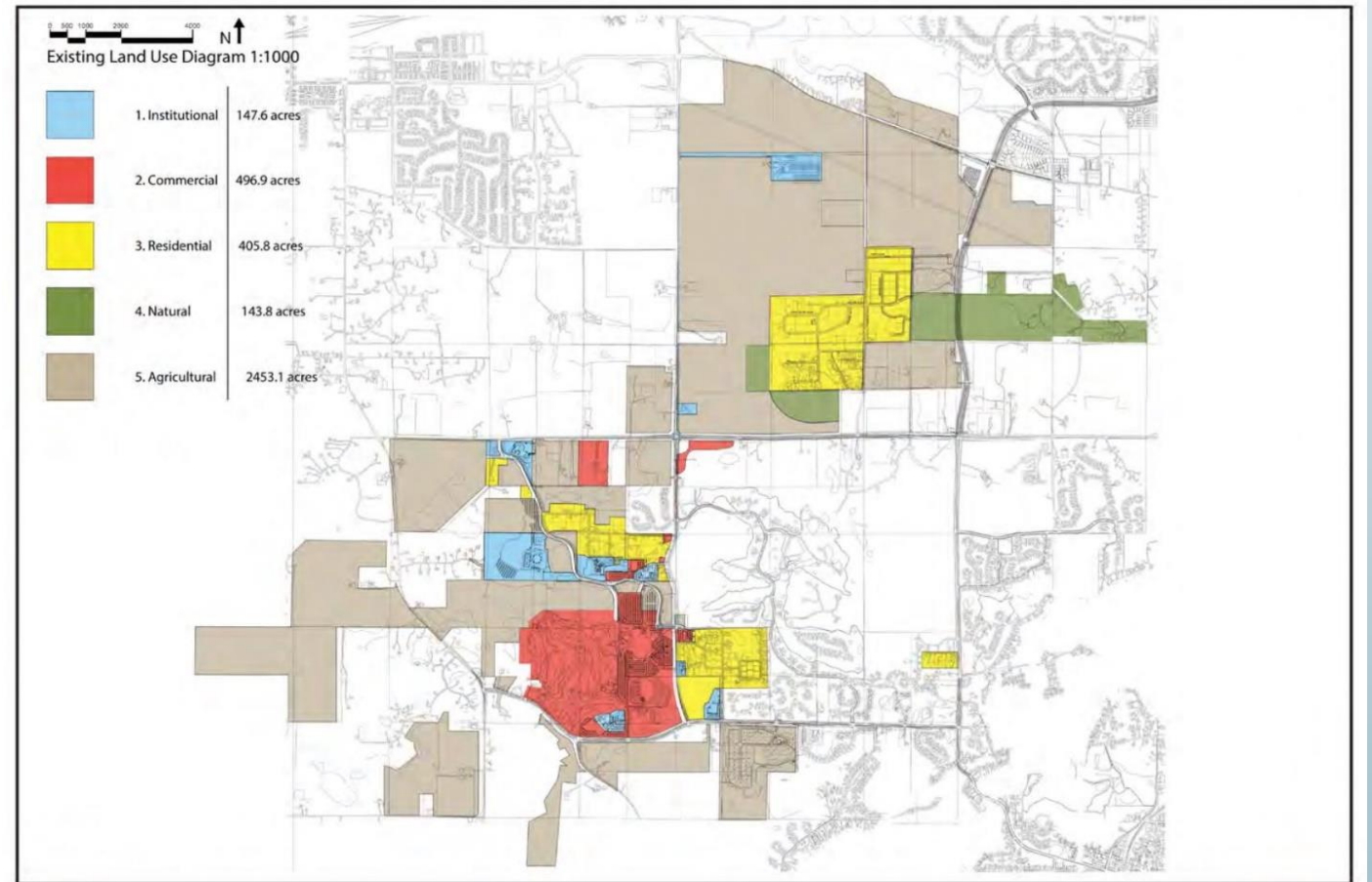
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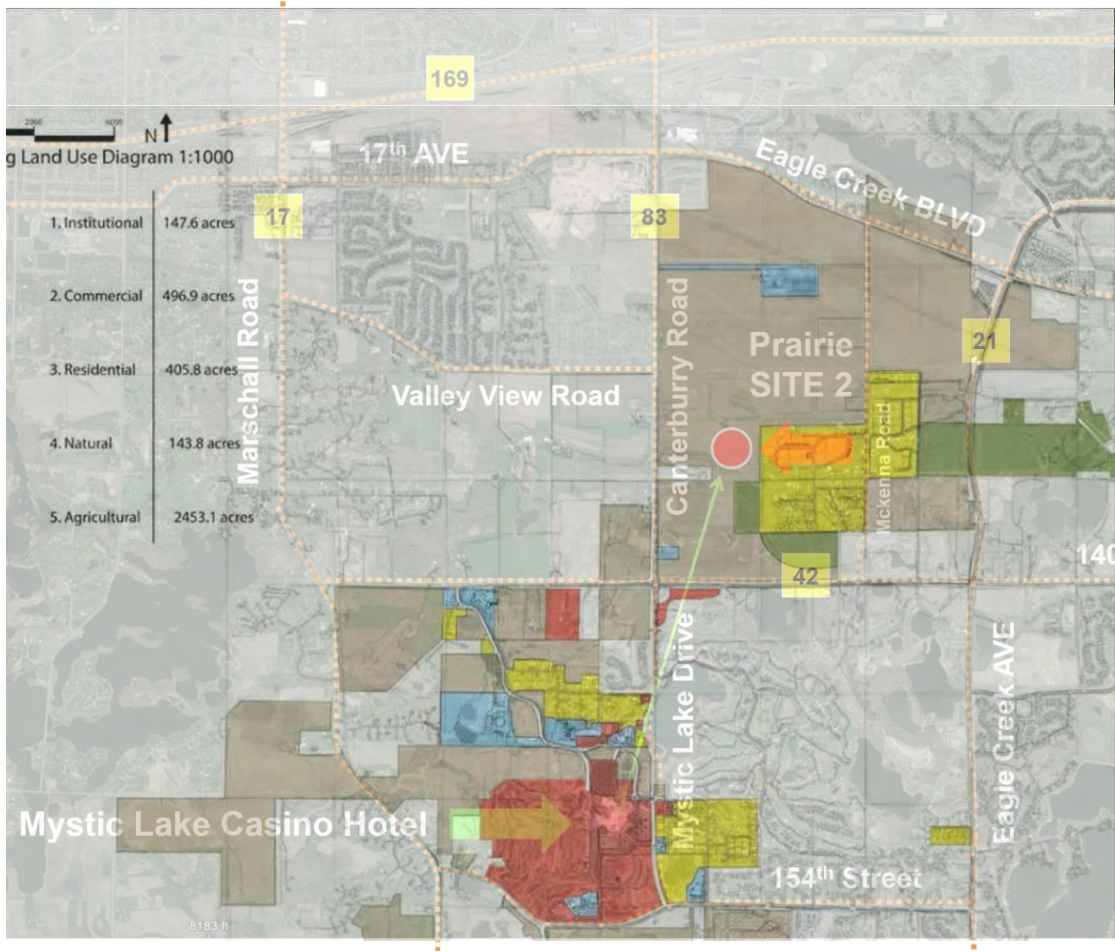
*IDENTIFY
RESOURCES* *SOUND
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Land Use Plan

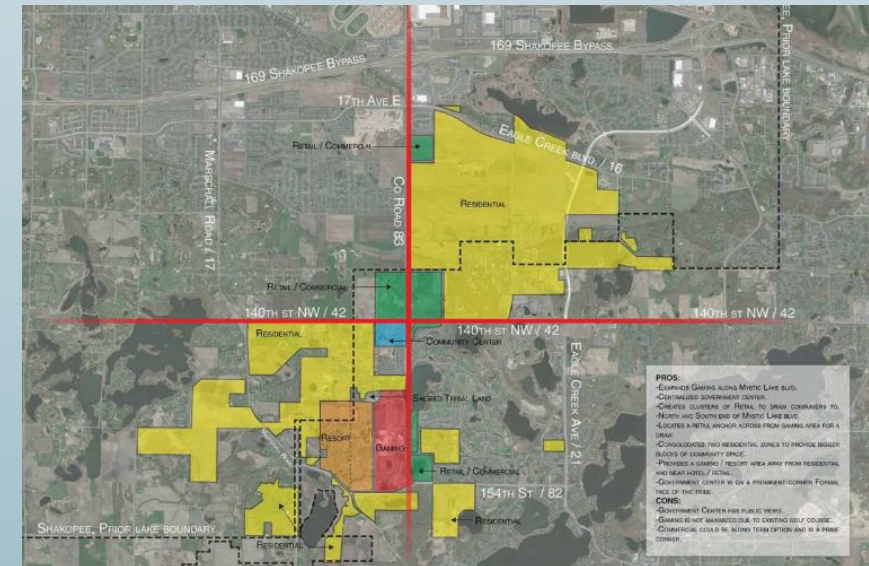
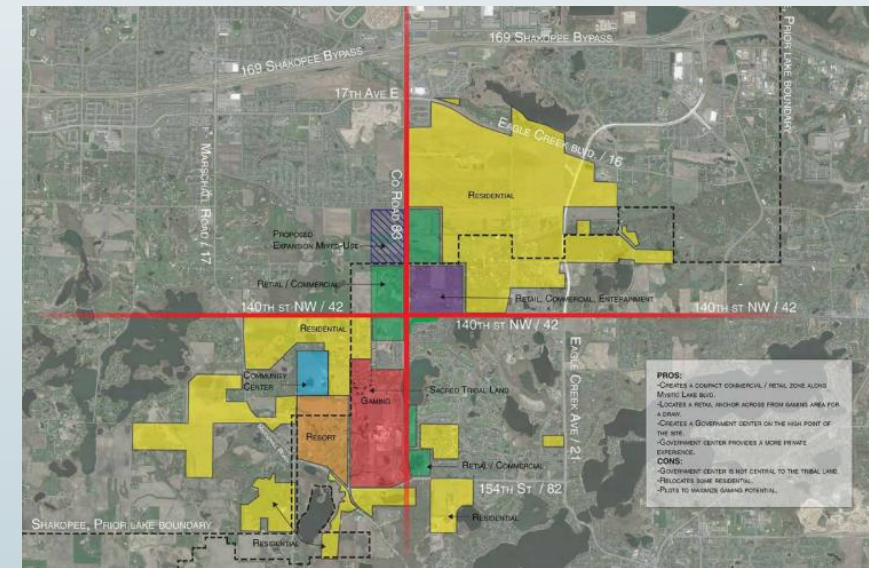
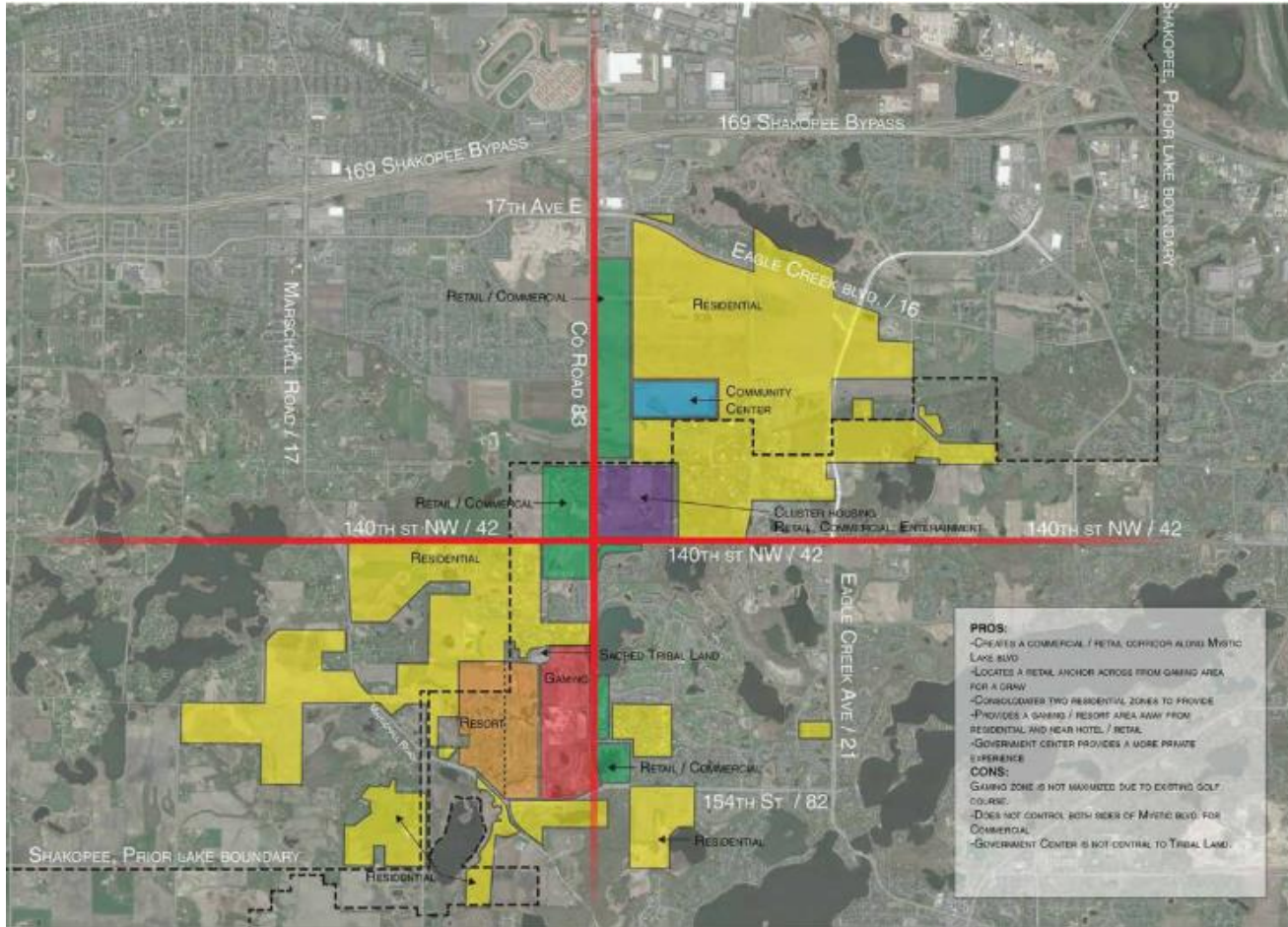
- UNDERSTAND YOUR LAND
- DIAGRAM IT IN TERMS THAT ARE MEANINGFUL TO YOUR COMMUNITY
 - Institutional
 - Commercial
 - Residential
 - Natural
 - Agricultural
- CONSIDER THE NATURAL AMENITIES
- KEEP IT SIMPLE



Land Use Plan

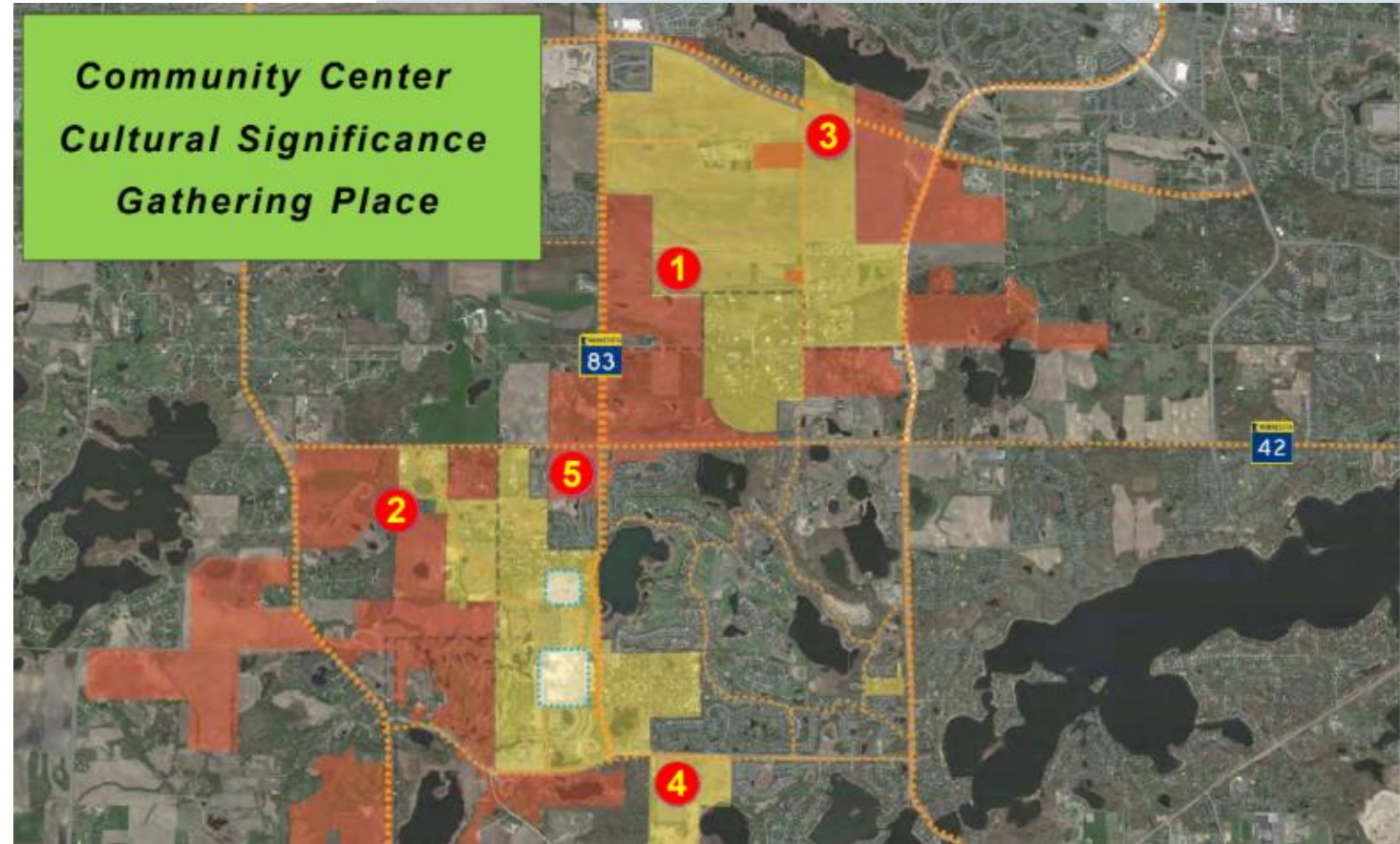


Land Use Plan

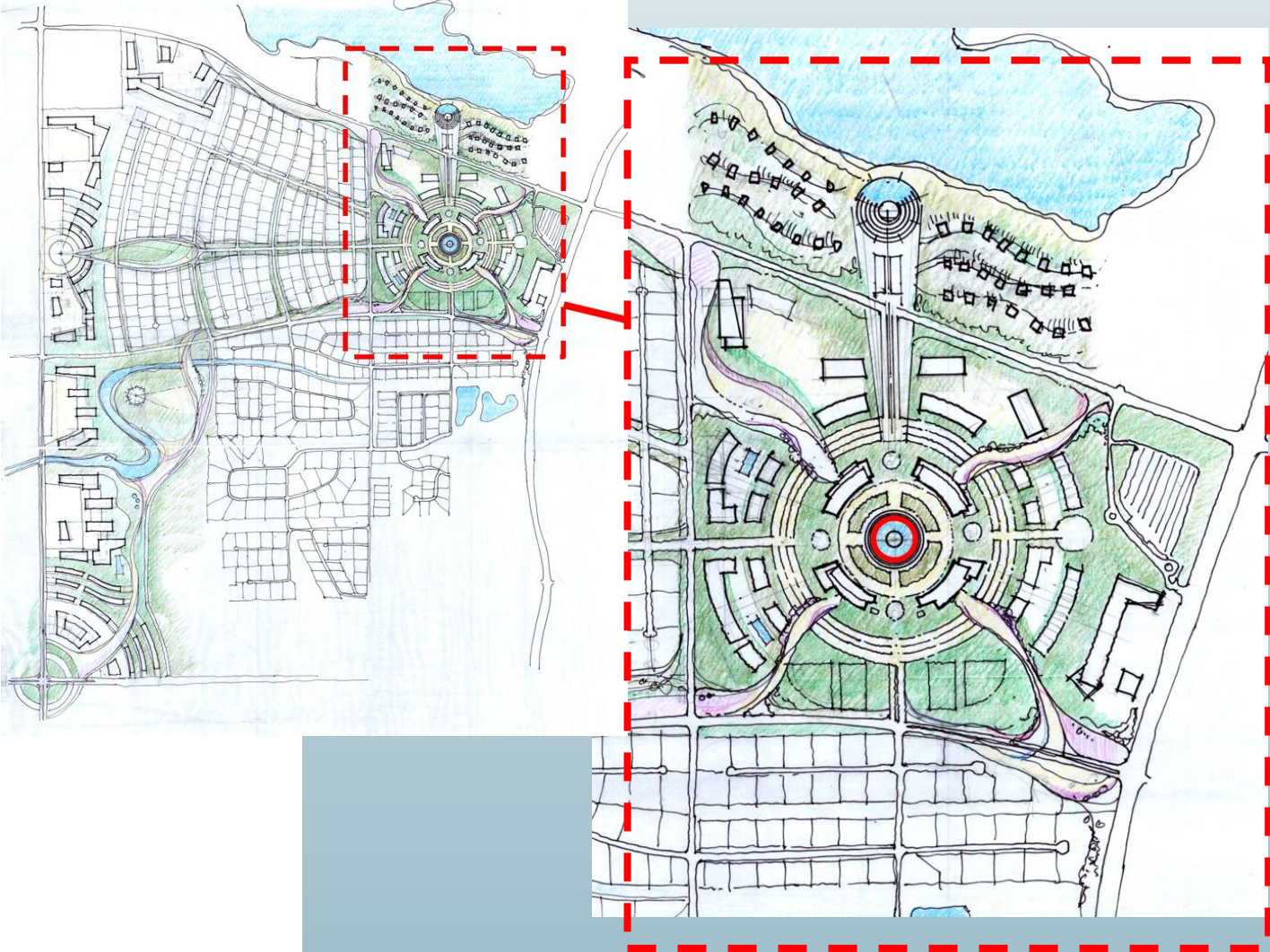


Master Planning

- ORGANIZE YOUR PRIORITIES
- STUDY THE VARIOUS SYNERGIES
- PLAN FOR SEVEN GENERATIONS
- ALLOW FOR GROWTH
- CONSIDER THE NATURAL AMENITIES



Master Planning



1. The Design Process

b. Turning a Wish List into a Plan: Establishing the Concept

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Balancing ambition with reality

- Land stewardship plan- reforest.
- Land stewardship plan- wetland preservation
- Land stewardship plan- habitat preservation and restoration
- Long term maintenance and upgrade plan
- Infrastructure to support population growth
- New Community Government Complex
- Alternative housing options for youth and elders
- Provide quality health care services
- Programs that honor traditions and culture of the Community
- Interactive Culture Center and amphitheater
- Community Government Center
- Youth programs and program center
- Community education
- Research needed for a community school.
- Entertainment center
- Partnership opportunities
- Diversification
- Acquire sufficient land to meet population growth in the next ten years
- Life cycle housing
- Alternative subdivision design
- Cultural – hunting land
- Recreational trails
- Recreational- lake shore for community park or campground
- Recreational- expand and integrate Community and regional trail system
- Agriculture- increase community food production.
- Determine extractive land values and preserve them for future use

Cultural Center Building Uses	Square Footage
Coat Check	80
Circulation	6700
Conference Room	600
Cultural Display/ at Cultural Center Wing	1400
Council Chambers / Multipurpose Auditorium	15000
Lounge and Dining Area	1000
Activity Rooms	2000
Kitchen	2000
Library / Media Center	1200
Maintenance	500
Mechanical/Electrical	2700
Offices	600
Restrooms with Showers and Lockers	1400
Security	200
Storage of Art and Artifacts (Museum Quality)	2500

Total: 37,880



Balancing ambition with reality

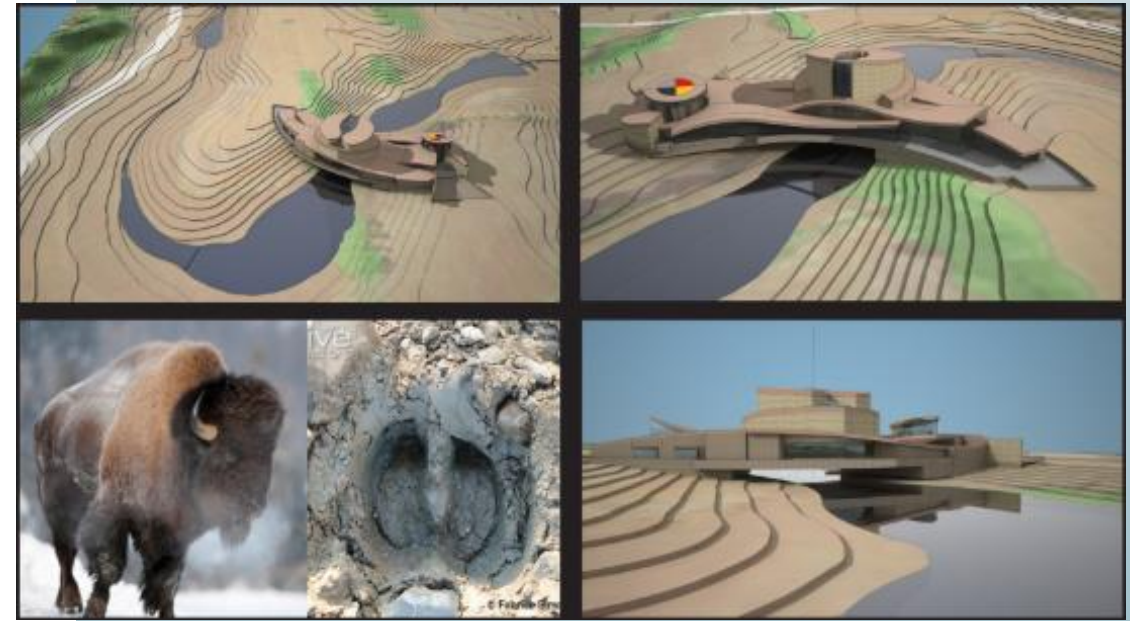
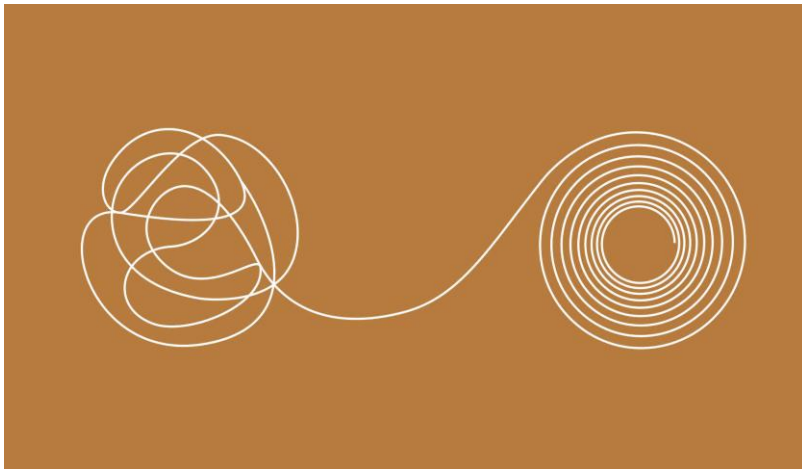
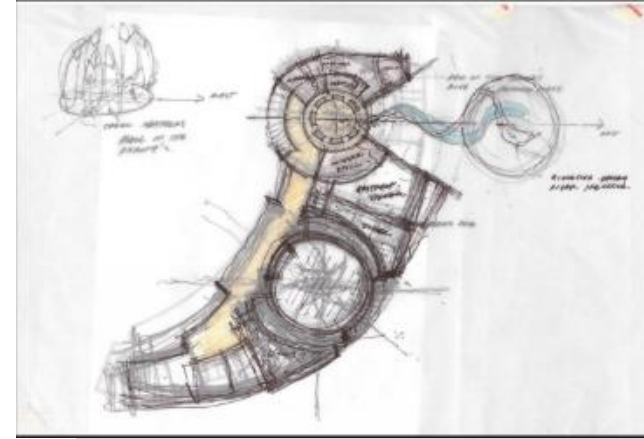
- *A place to*



- tell our story*
- gather as a Community*
- speak our language*
- hear our elders*
- dance, drum and sing*
- practice our crafts*
- provide a final resting place for our sacred artifacts*

Parti- the organizing principle

- ORDER VERSES DISORDER
- ALLOWS MORE PARTICIPATION
- CREATES A BETTER/DEEPER UNDERSTANDING



The visitor experience

- WHAT IS THEIR TAKEAWAY
- WAS IT EDUCATIONAL
- DID THEY PARTICIPATE- ENGAGE
- WHAT DID THEY LEAVE WITH
- WILL THEY COME BACK



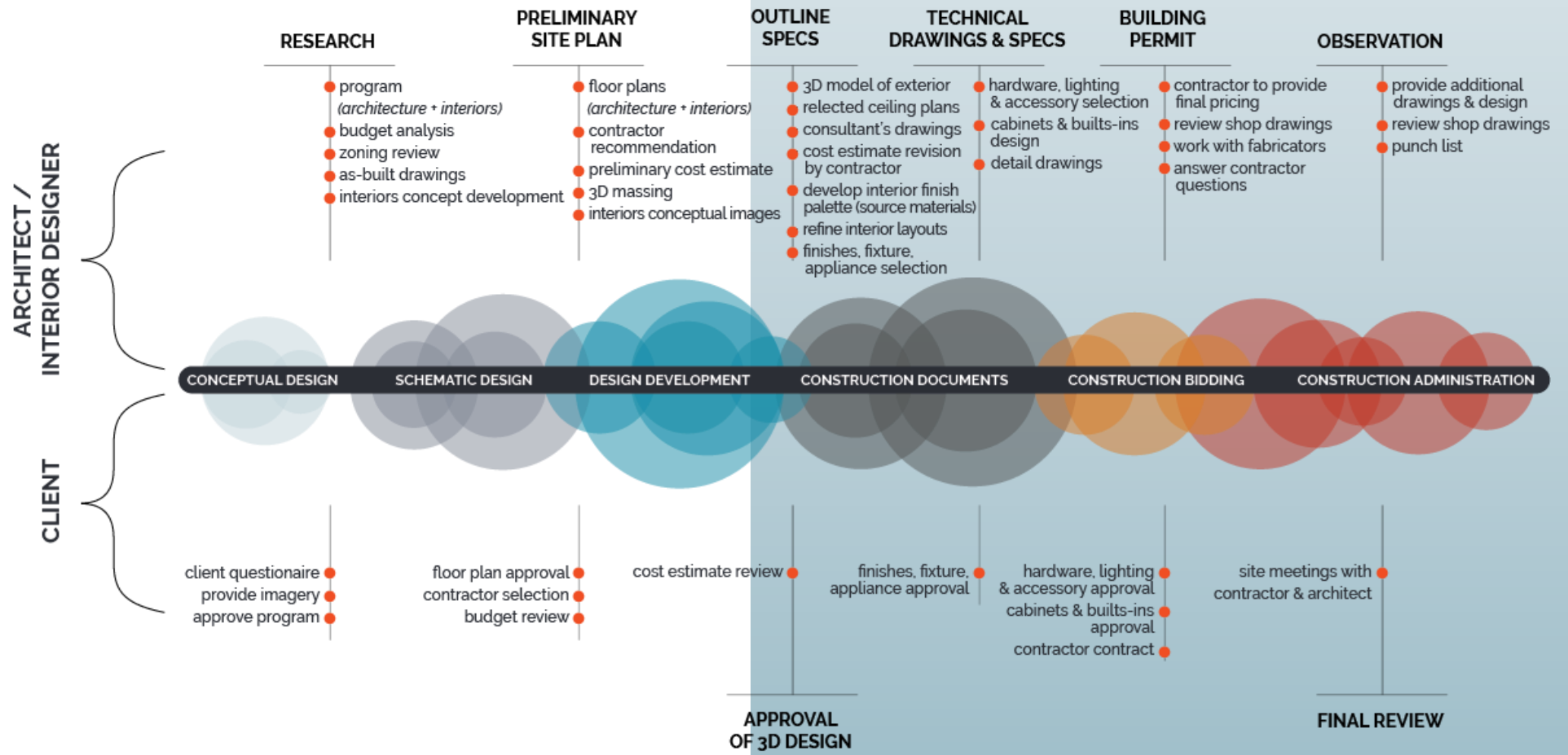
1. The Design Process

c. Building Design: Concept to Reality

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1. The Design Process



Programming

- CREATES THE BUILDING BLOCKS FOR THE PROJECT.
- ADJACENCIES ARE DISCOVERED BETWEEN PROGRAM SPACES
- CREATES THE SQUARE FOOTAGES OF THE VARIOUS PROGRAM ELEMENTS
- CREATES THE ROAD MAP FOR DEVELOPING THE PROJECT LAYOUT
- ORGANIZES THE PROGRAM ELEMENTS

TRIBAL ADMINISTRATION BUILDING
PIGCON BAND OF LISISENO INDIANS

SPACE PROGRAM

Space	Quantity
Tribal Council	
1 Council Member Office	1
1 Council Member Office	1
1 Council Member Office	1
1 Council Member Office	1
1 Council Member Office	1
1 Liaison to Council	1
1 Conference Room	1
1 Kitchenette	1
1 Restrooms	1
Tribal Council Chambers and Support Facilities	
1 Council Chambers	1
1 Waiting/Pre-function	1
1 IT - microphones, projector and presentations clo	1
1 File Storage Room / Copy / Supplies	1
Tribal Treasurer	
1 Tribal Treasurer	1
1 Executive Assistant	1
1 File Storage Room	1
Legal	
1 Attorney General	1
1 Executive Assistant	1
1 Legal Clerk	1
1 Contractor	1
1 Legal Assistant	1
1 Library	1
1 File Storage Room	1

TRIBAL ADMINISTRATION BUILDING
PIGCON BAND OF LISISENO INDIANS

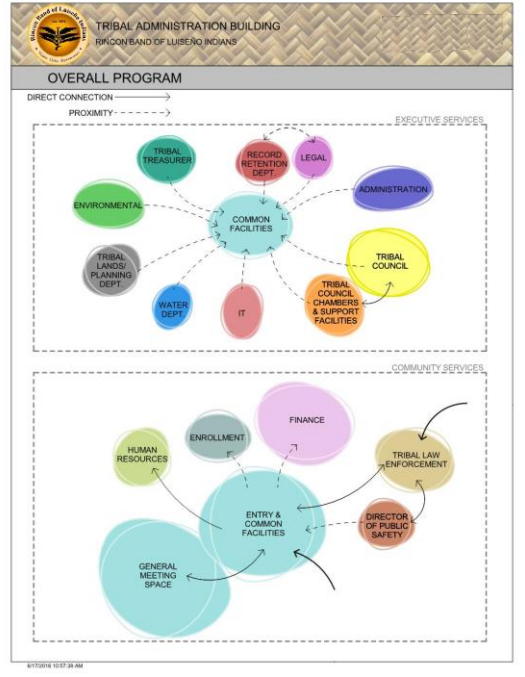
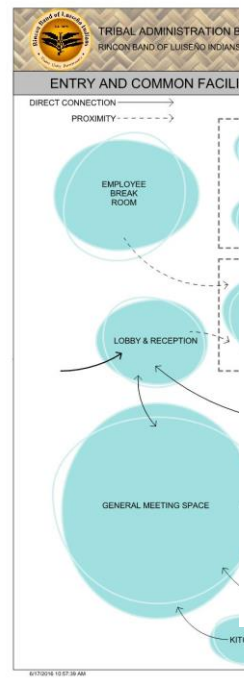
SPACE PROGRAM

Category	Item	Quantity	Area	
Administration	1 Tribal Administrator	1	100	
	1 Executive Assistant	1	100	
	1 Tribal Secretary	1	100	
	1 Supply Room	1	100	
	1 File Storage Room	1	100	
	1 Conference Room for 10 People	1	100	
	Human Resources	1 HR Director	1	100
		1 Assistant HR Manager	1	100
		1 Executive Assistant	1	100
		1 Member Services	1	100
1 File Storage Room		1	100	
1 Conference Room for 5 People		1	100	
1 Waiting Area		1	100	
Finance		1 Finance Director	1	100
		1 Assistant Director	1	100
		1 Payroll Clerk	1	100
	1 A/P Clerk	1	100	
	1 Acct. Specialist	1	100	
	1 Acct. Specialist	1	100	
	1 Procurement	1	100	
	1 Future Offices	1	100	
	1 File Stc	1	100	
	1 Open Audit	1	100	
Envo	1 Direc	1	100	
	1 Assis	1	100	
	2 Envr	2	200	
	1 Envr	1	100	
	1 Envr	1	100	
	Direct	1 Direc	1	100
		1 Direc	1	100
		1 Direc	1	100
		1 Direc	1	100
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TRIBAL ADMINISTRATION BUILDING
PIGCON BAND OF LISISENO INDIANS

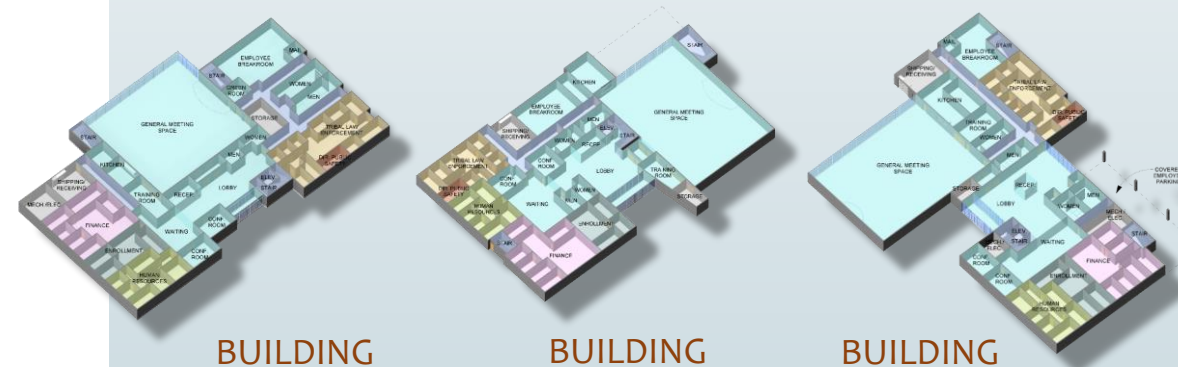
SPACE PROGRAM

Tribal Law Enforcement	1,640	12
1 Manager	200	1
1 Assistant Manager	140	1
1 Dispatchers	140	1
10 Officers (Future 14)	400	8
1 Reservation Compliance Enforcement	100	1
1 Three Storage Spaces: Evidence, Equipment, and Gen. Stor.	300	
1 Restrooms and Locker rooms for male and female	240	
1 Public Restrooms	100	
1 Kitchenette	100	
Enrollment	850	6
Office for Enrollment Coordinator	200	1
Open Desk Area for 5 people	300	5
Office for confidentiality	150	
Memberships Files / copier / etc.	200	
IT	830	5
3 Offices	420	3
2 Open area stations	160	2
Storage for inventory	250	
Record Retention Department	640	4
2 Office		
1 Open		
1 Scaner		



Schematic Design

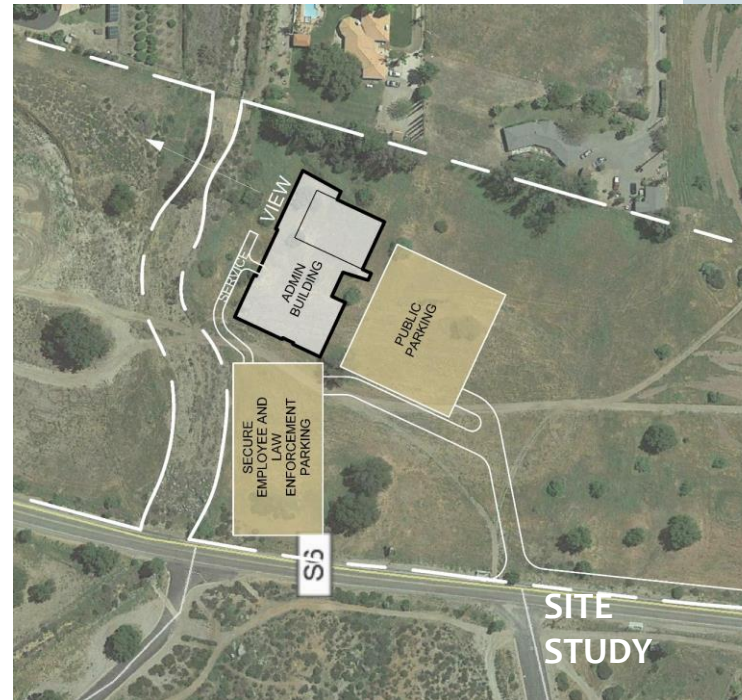
- SITE STUDIES.
- BUILDING BLOCKING AND MASSING
- PROGRAM REFINEMENT
- FENESTRATION STUDIES
- INTERIOR AND EXTERIOR CONCEPTS
- CLIENT /STAKEHOLDER MEETINGS
- CITY PLAN REVIEWS



BUILDING OPTION 1

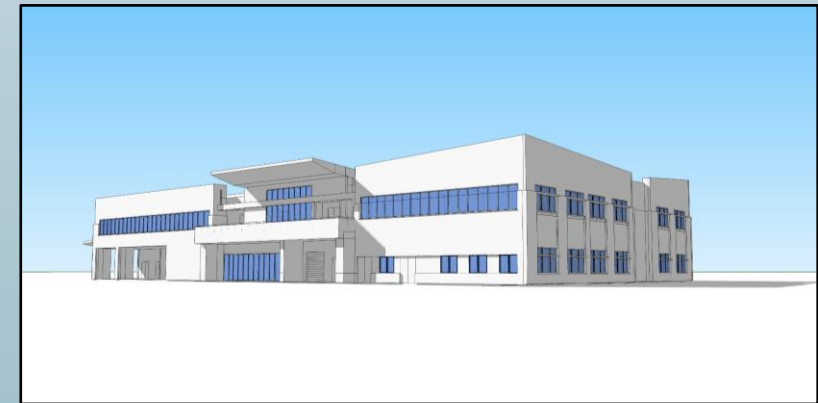
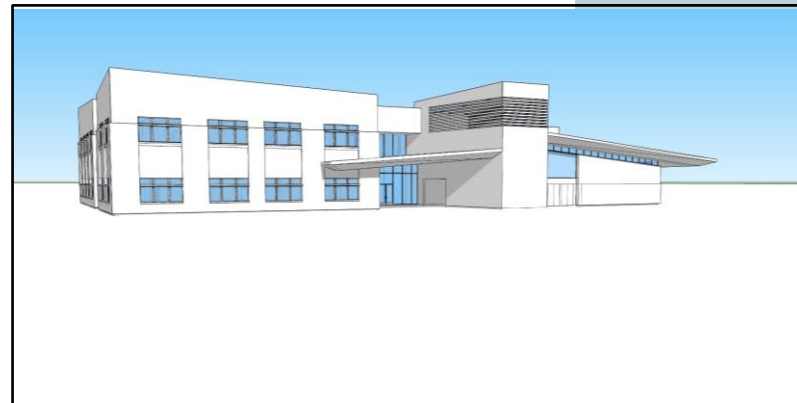
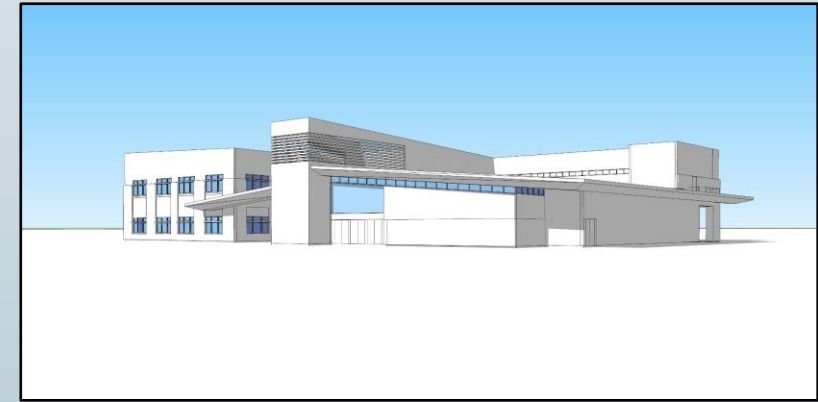
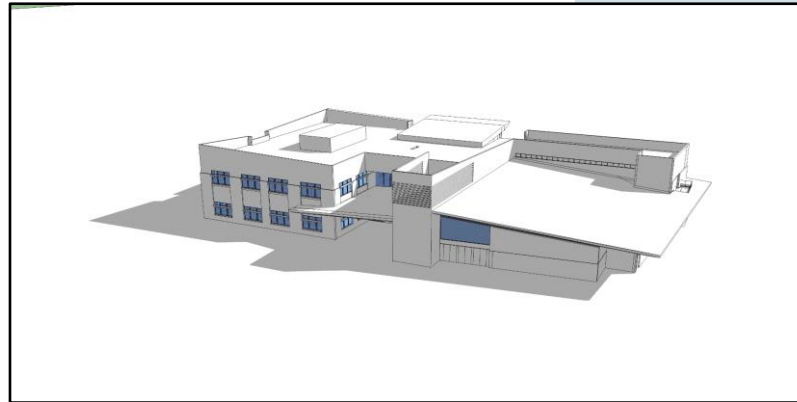
BUILDING OPTION 2

BUILDING OPTION 3



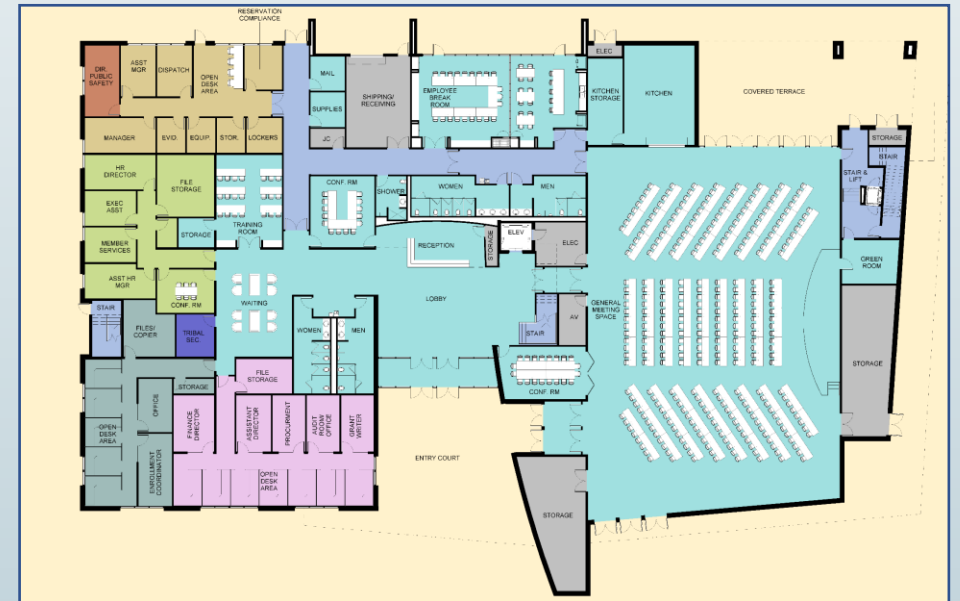
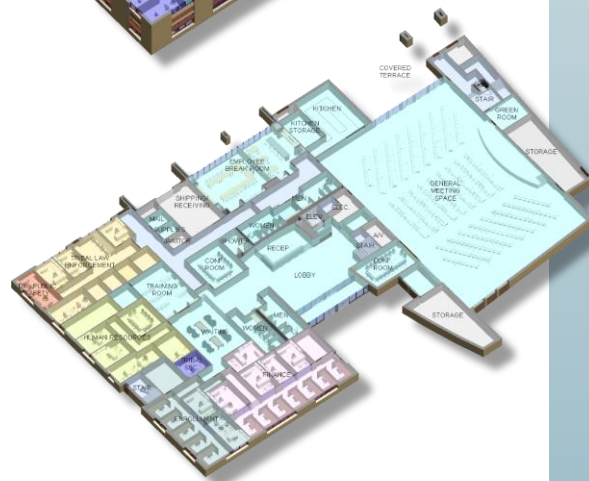
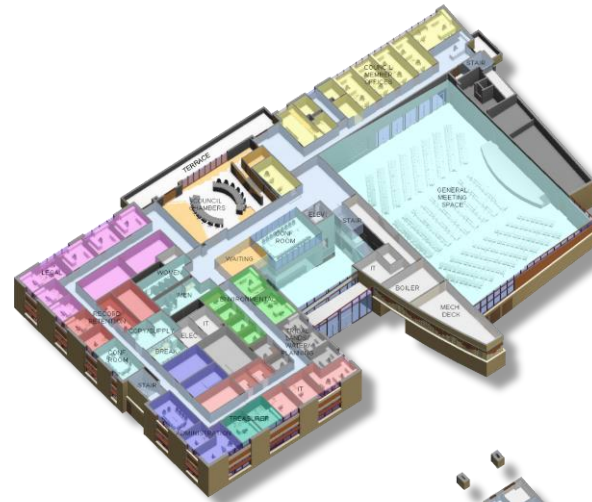
Schematic Design

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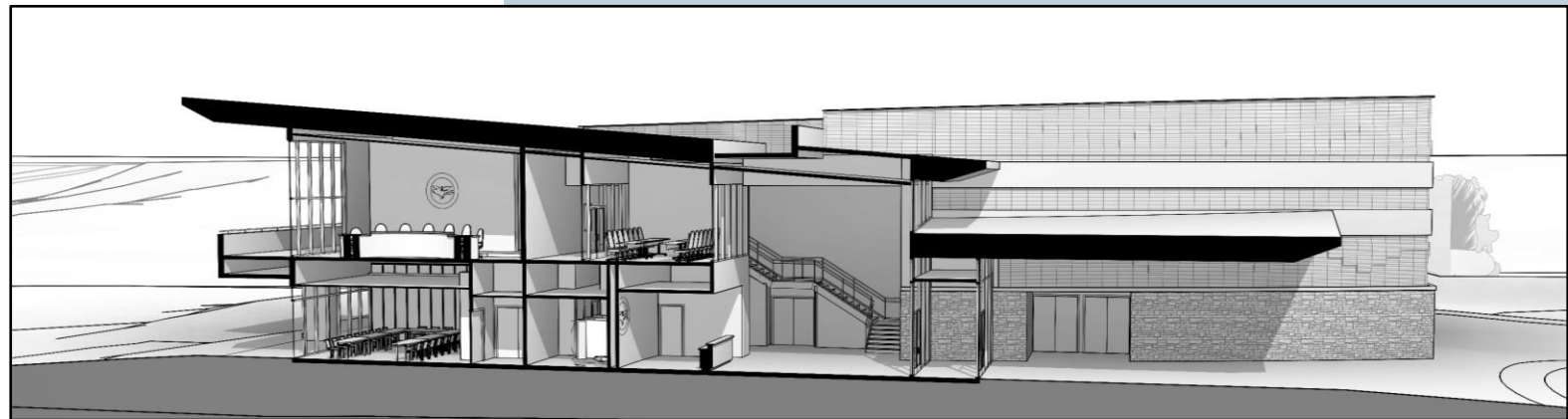
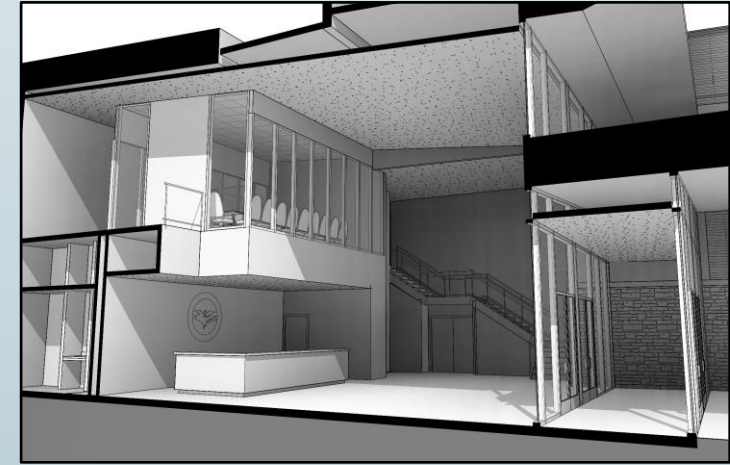
Design Development Design

- CONSULTANT COORDINATION
- MATERIAL STUDIES
- PRELIMINARY COST ESTIMATE
- BUILDING SYSTEMS STUDY/COORDINATION
- INTERIOR AND EXTERIOR CONCEPTS
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Construction Documents

- CONSULTANT COORDINATION
- TECHNICAL DRAWINGS
- COST ESTIMATE
- SPECIFICATIONS
- FINAL CONSULTANT COORDINATION
- FINISH, FIXTURE AND APPLIANCE SELECTIONS



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Bidding and Negotiation

- VARIOUS TYPES OF BIDDING CAN HAPPEN
 - SEALED BIDS FROM A DESIGN BID BUILD PROCESS
 - DESIGN BUILD
 - CONTRACTOR ASSIST



Construction Administration

- ON SITE VISITS, JOB WALKS AND OWNER, ARCHITECT, CONTRACTOR MEETINGS
- RFI AND SUBMITAL REVIEW.
- CONSTRUCTION SCHEDULE REVIEW
- ON SITE MOCKUP AND SAMPLE REVIEWS



Closeout and Warranties

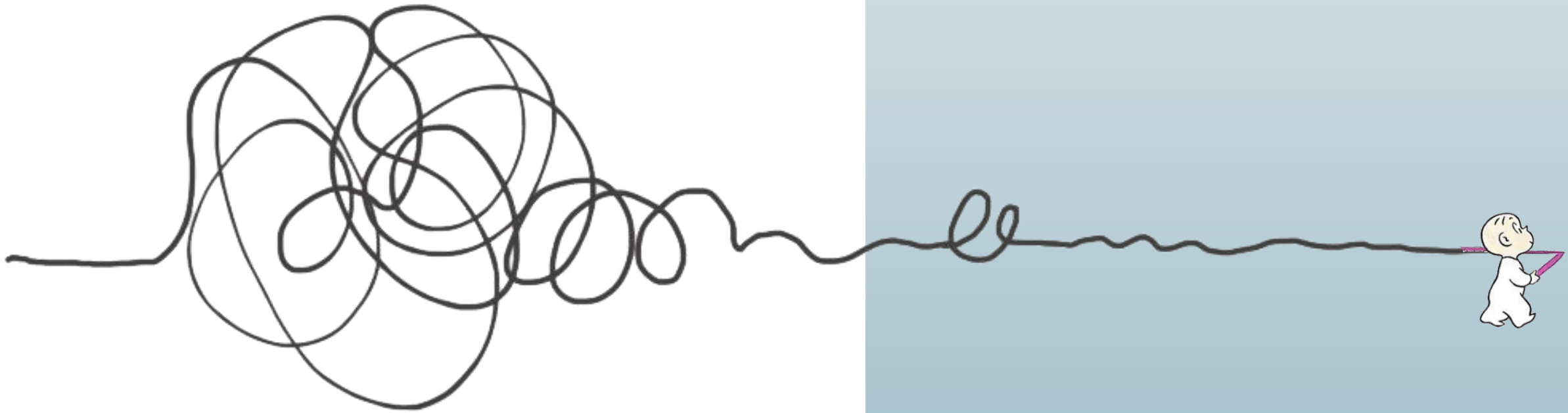


Post-Occupancy Evaluation



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1. The Design Process



NEXT WEEK

2. Selecting and Working with Architects and Contractors

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