

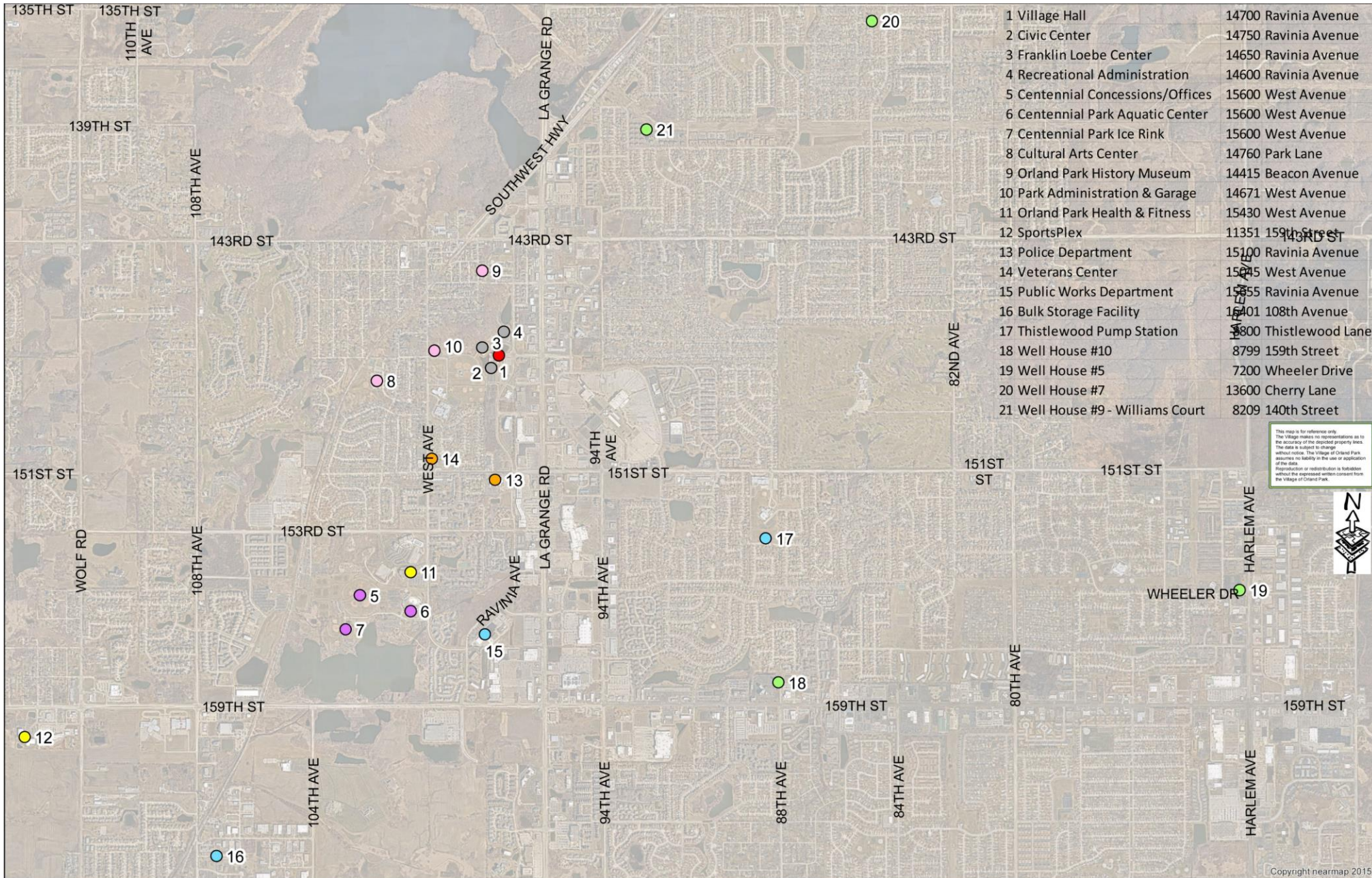


ORLAND
PARK

Facilities and Operations Master Plan:
Project Review Meeting

April 5, 2022

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Project Scope

Analyze twenty-one facilities in the Village of Orland Park to assess:

FACILITY CONDITION

- Site Assessment
- Envelope Assessment
- Structural Assessment
- Infrastructure Assessment
- Code Compliance
- Repair Costs
- Building Life Expectancy

PROGRAMMING NEEDS

- Spatial Requirements
- Working Relationships
- Efficiency
- Security
- Staff Needs

PUBLIC WORKS DEPT MASTERPLAN

- Background
- Floor Plan Options
- Cost Estimates

RECREATION ADMINISTRATION STORAGE MASTERPLAN

- Background
- Floor Plan Options
- Cost Estimates





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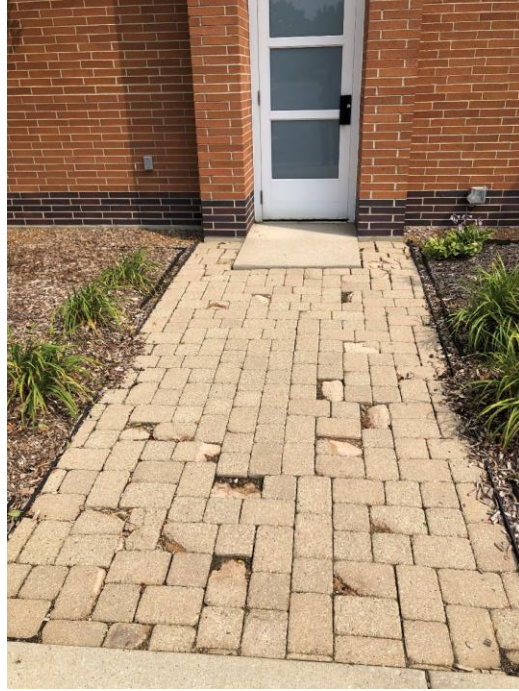
Facilities and Operations Master Plan:
Phase 1
Facility Condition Assessment

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Facilities Condition Assessment

Site Assessment

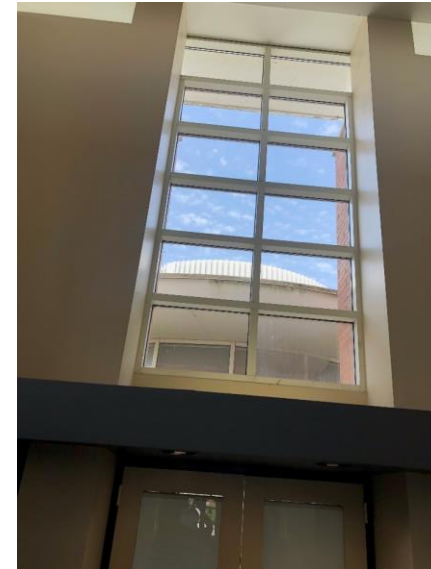


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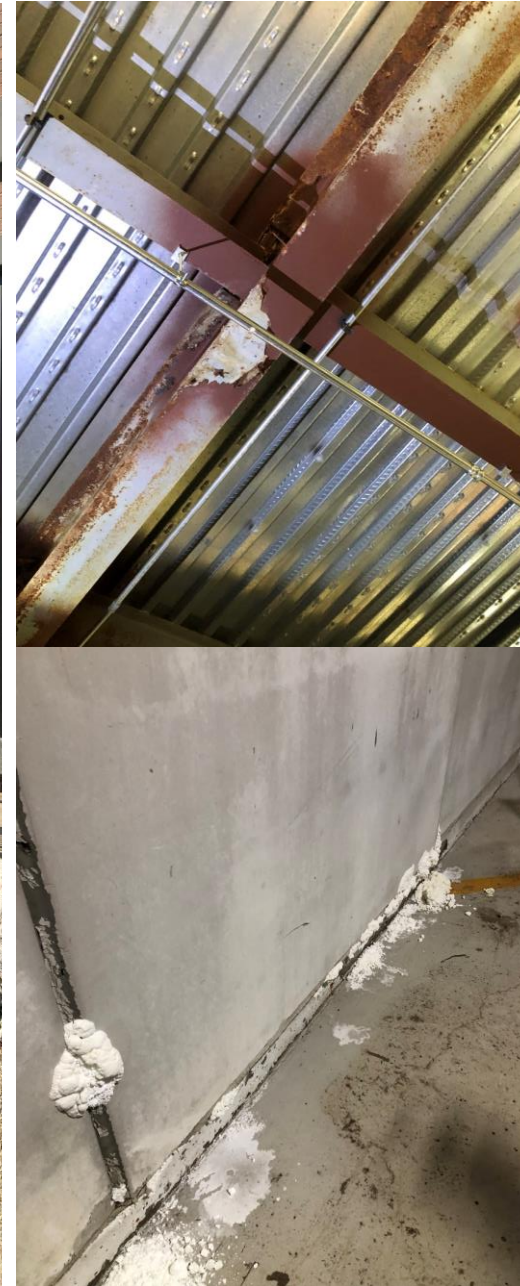
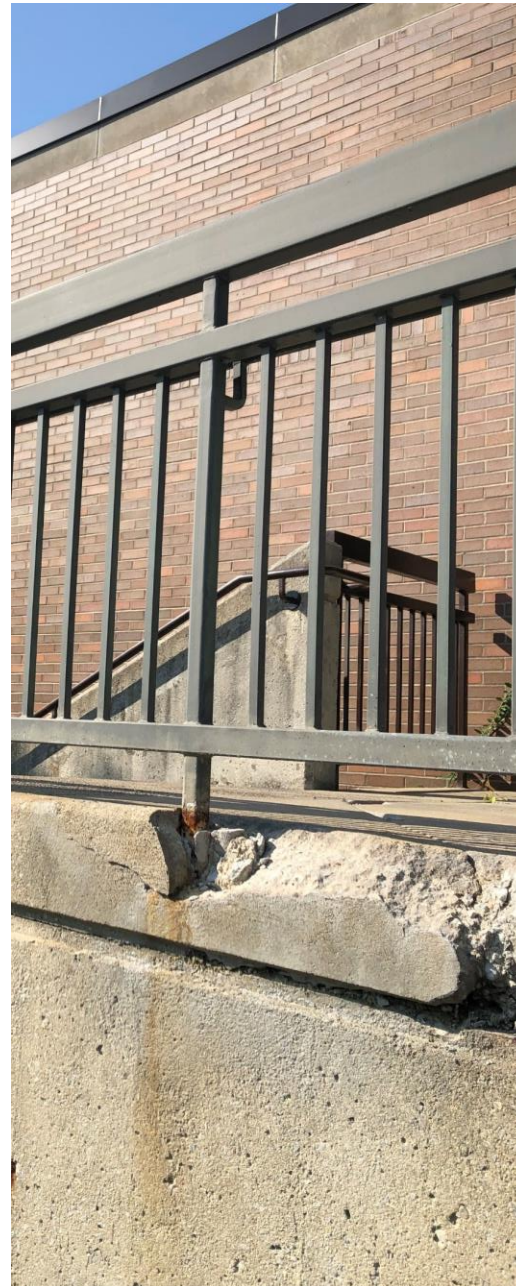


Facilities Condition Assessment

Building Envelope
Assessment



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Facilities Condition Assessment

Structural Assessment



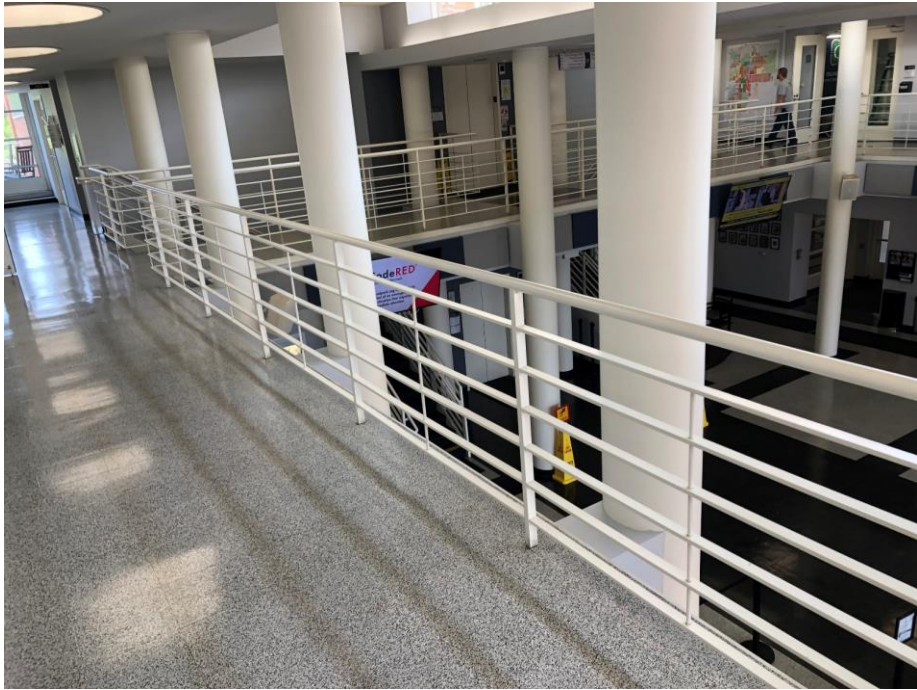
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Facilities Condition Assessment

Building Infrastructure
Assessment





Facilities Condition Assessment

Building Code Assessment



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► Facilities Condition Assessment

Building Code Assessment



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Summary - Estimate of Probable Cost

OWNER: Village of Orland Park
 PROJECT TITLE: Facilities and Operations Master Plan - Phase I: Facility Condition Assessment
 PROJECT NUMBER: 221136.00
 LAST UPDATED: February 2, 2022



Facilities Condition Assessment

Facility Repair
Cost Assessment

ITEM	BUILDING	TOTAL COST FOR ALL PROJECTS	TOTAL COSTS FOR PROJECTS PRIORITIZED BY YEAR					
			YEAR 2022	YEAR 2025	YEAR 2027	YEAR 2029	YEAR 2032	2032 AND BEYOND
			PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4	PRIORITY 5	PRIORITY 6
			INFLATION: 1.000	INFLATION: 1.125	INFLATION: 1.217	INFLATION: 1.316	INFLATION: 1.480	INFLATION: 1.801
1	Village Hall	\$3,949,015	\$590,527	\$782,526	\$2,304,779	\$98,541	\$172,641	\$0
2	Civic Center	\$3,027,497	\$477,005	\$628,009	\$1,874,118	\$2,365	\$46,001	\$0
3	Franklin Loebe Center	\$4,416,693	\$1,523,869	\$773,294	\$1,946,183	\$13,796	\$159,550	\$0
4	Recreational Administration	\$1,897,184	\$226,895	\$838,541	\$680,539	\$22,073	\$129,135	\$0
5	SportsPlex	\$1,824,300	\$98,816	\$503,251	\$1,147,215	\$7,292	\$67,726	\$0
6	Cultural Arts Center	\$2,493,481	\$204,431	\$1,270,742	\$994,538	\$4,927	\$18,844	\$0
7	Public Works Department	\$16,819,104	\$40,736	\$256,237	\$1,217,582	\$395,149	\$14,909,400	\$0
8	Thistlewood Pump Station	\$140,332	\$35,495	\$96,531	\$7,197	\$0	\$1,108	\$0
9	Well House #5	\$190,869	\$143,364	\$23,147	\$19,998	\$2,365	\$1,995	\$0
10	Well House #7	\$153,311	\$64,811	\$45,486	\$22,321	\$11,825	\$8,868	\$0
11	Well House #9	\$170,719	\$73,760	\$22,339	\$36,169	\$985	\$37,466	\$0
12	Well House #10	\$280,823	\$145,273	\$21,901	\$103,770	\$7,883	\$1,995	\$0
13	Police Department	\$638,678	\$26,359	\$223,556	\$363,698	\$236	\$24,829	\$0
14	Centennial Park Aquatics	\$335,882	\$52,643	\$145,555	\$116,070	\$0	\$21,615	\$0
15	Concessions and Offices	\$222,313	\$26,209	\$145,555	\$31,705	\$0	\$18,844	\$0
16	Ice Rink	\$36,944	\$0	\$25,860	\$0	\$0	\$11,085	\$0
17	Maintenance Garage	\$357,021	\$50,621	\$119,308	\$70,334	\$5,912	\$110,845	\$0
18	History Museum	\$1,062,512	\$125,803	\$248,454	\$658,473	\$10,051	\$19,730	\$0
19	Veteran's Center	\$485,691	\$34,371	\$53,235	\$153,606	\$236,498	\$7,981	\$0
20	O.P. Health and Fitness	\$4,408,052	\$14,378	\$2,296,534	\$2,088,551	\$5,065	\$3,525	\$0
SUB-TOTALS		\$42,910,420	\$3,955,365	\$8,520,062	\$13,836,846	\$824,965	\$15,773,183	\$0

TOTAL FOR PROJECTS YEARS 1 to 5	\$42,910,420
TOTAL FOR PROJECTS YEAR 6 AND BEYOND	\$0



ORLAND
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LEGAT ARCHITECTS

BUILDING LIFE EXPECTANCY MATRIX	Site	Exterior Walls	Wall Openings / Windows	Exterior Soffits	Roof	Interior Finishes	Accessibility	Structural System	Mechanical Systems	Plumbing System	Power	Lighting
1 - Village Hall												
2 - Civic Center												
3 - Franklin Loebe Center												
4 - Recreation Administration				N/A								
5 - Centennial Concessions												
6 - Centennial Park Aquatic Center												
7 - Centennial Ice Rink										N/A		
8 - Cultural Arts Center												
9 - History Museum												
10 - Parks Administration Building												
11 - Health and Fitness Center												
12 - Sportsplex												
13 - Police Department				N/A								
14 - Veterans Center				N/A								
15 - Public Works Department												
16 - Bulk Storage Facility		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17 - Thistlewood Pump Station												
18 - Well House 10												
19 - Well House 5												
20 - Well House 7												
21 - Well House 9												



Facilities Condition Assessment

Facility Condition Assessment

Legend

Item is in Excellent Condition
Item is in Good Condition
Item Requires Maintenance
Item Near End of Life
Item Requires Replacement





ORLAND
PARK

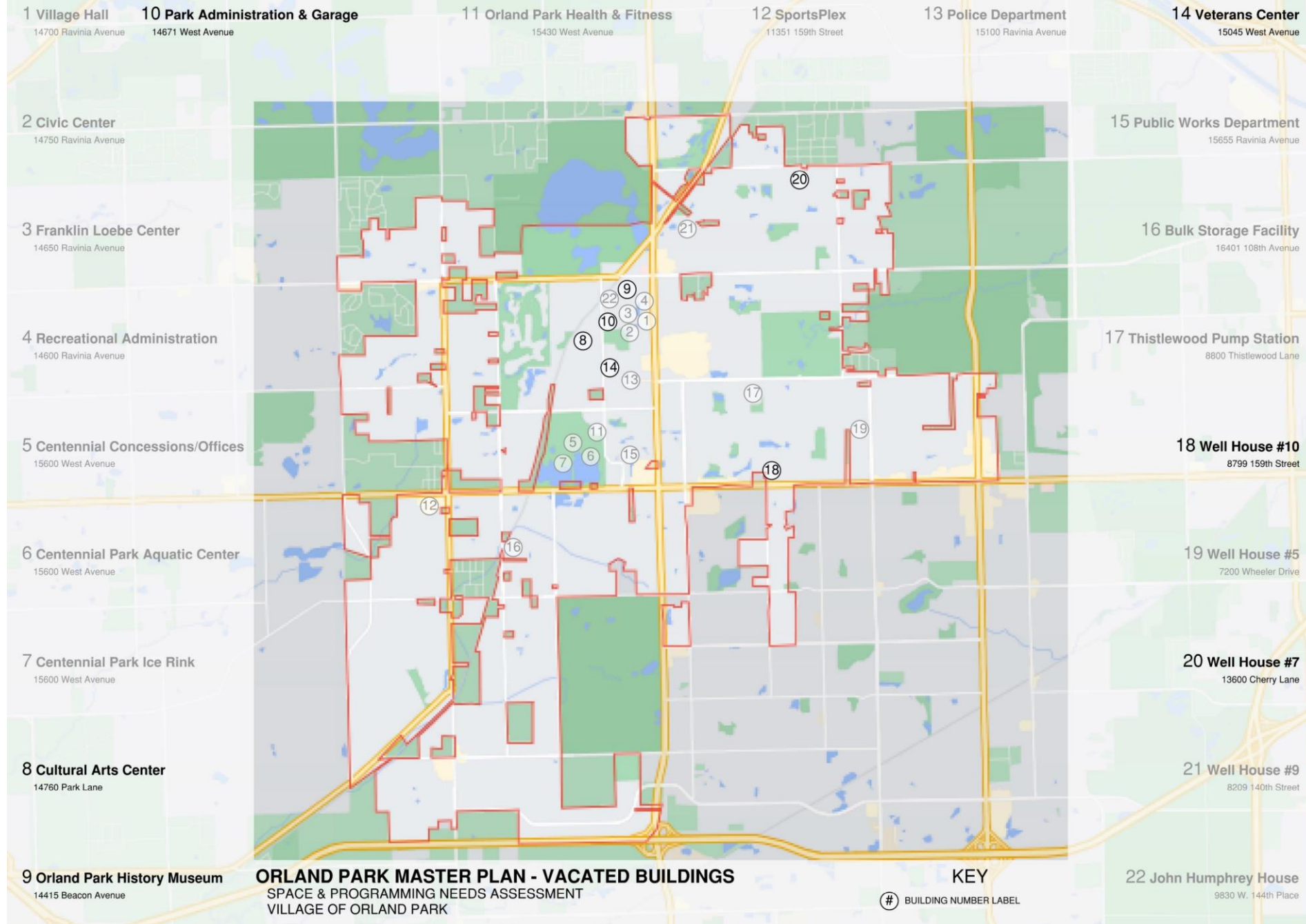
Facilities and Operations Master Plan:
Phase 2
Programming Needs Assessment

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PARK

LEGATARCHITECTS



Phase 2 Vacated Buildings

In all 3 options the following buildings are proposed to be vacated. All departments will be relocated to other village buildings in each option.

BUILDINGD INCLUDE:

CULTURAL ARTS

HISTORY MUSEUM

PARKS ADMINISTRATION

VETERANS CENTER

WELL HOUSE 7

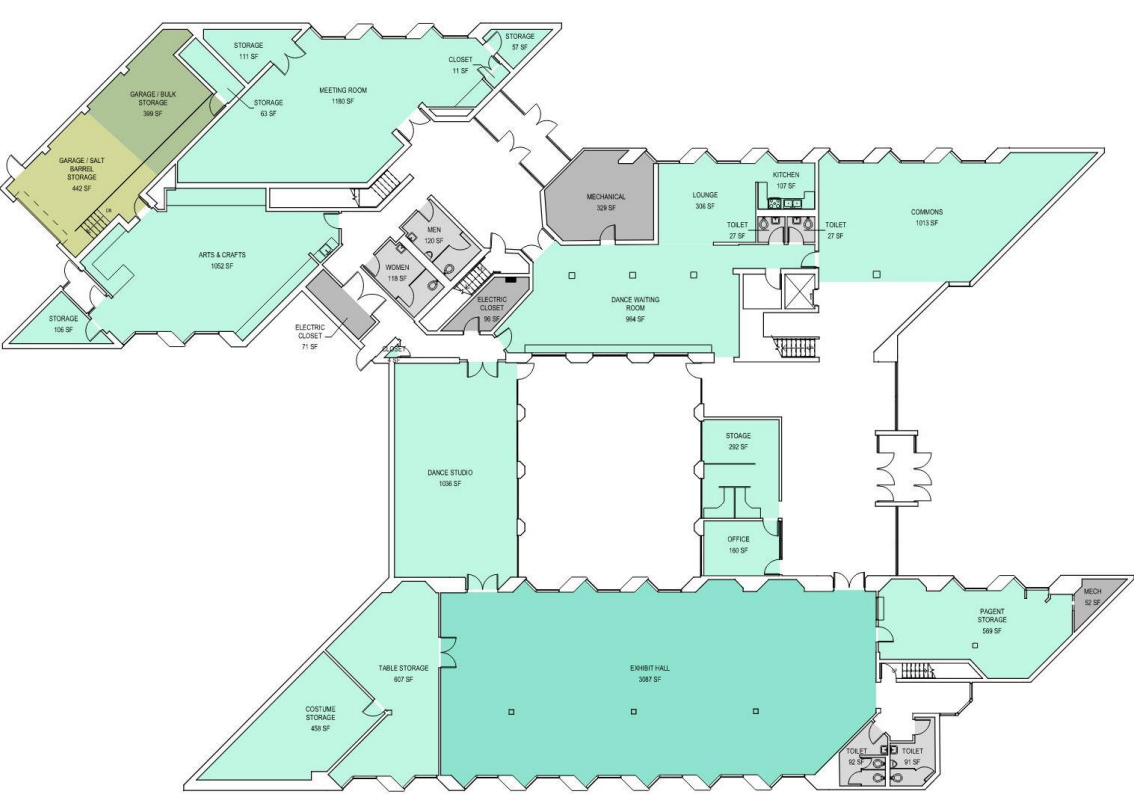
WELL HOUSE 10



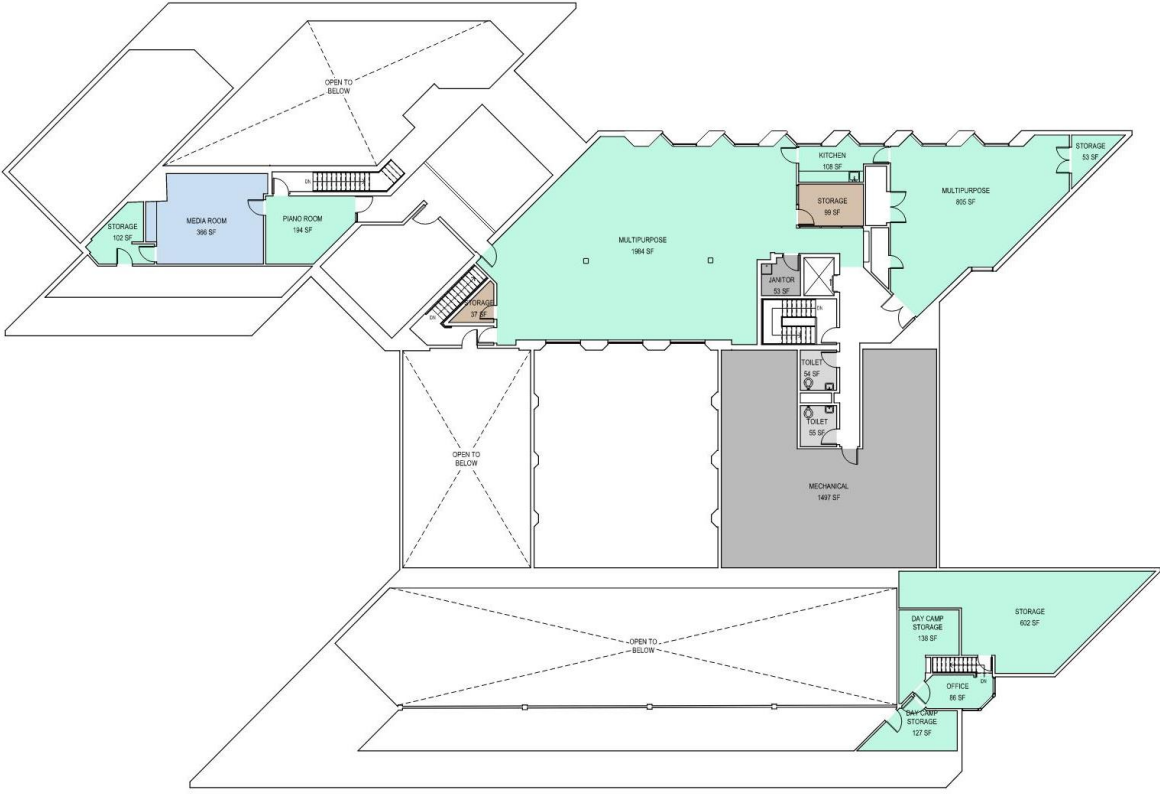
**ORLAND
PARK**

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Phase 2 Cultural Arts



FIRST FLOOR



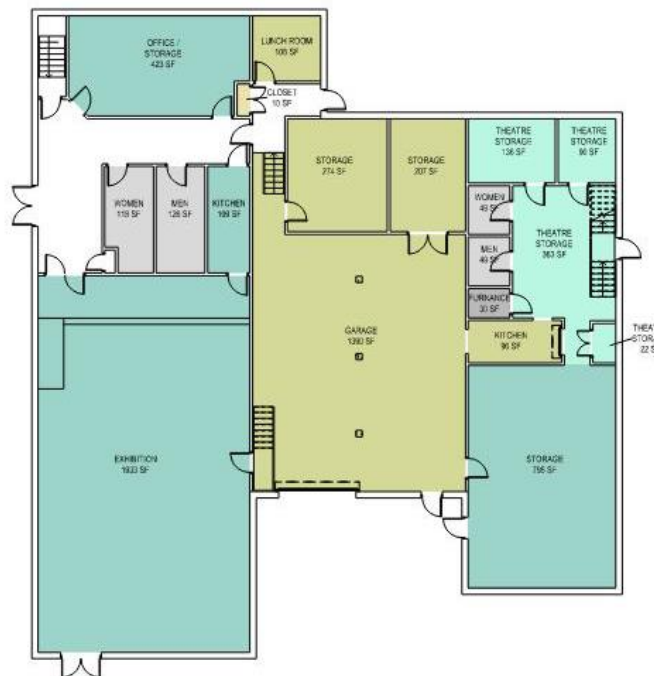
SECOND FLOOR

- PW-NRF
- R&P - PARKS
- R&P MUSEUM
- R&P CULTURAL ARTS
- GENERAL BUILDING
- BUILDING OPERATIONS

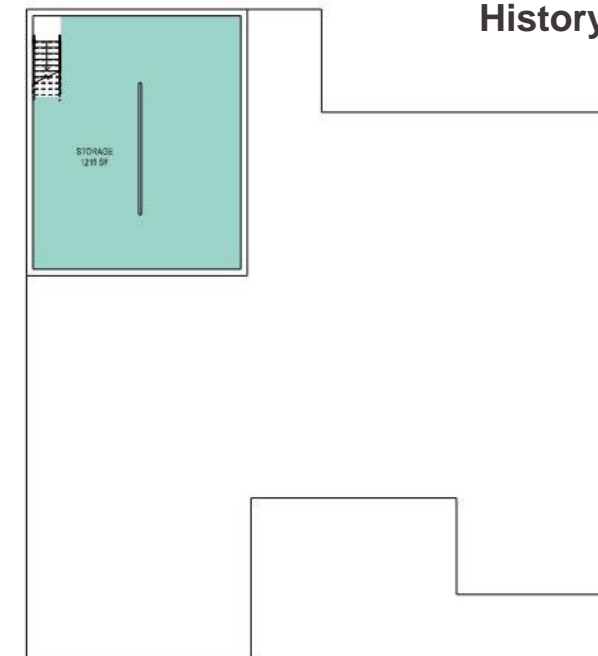
Phase 2 History Museum



MEZZANINE



MAIN LEVEL



BASEMENT LEVEL



DETACHED GARAGE



PW-NRF



R&P -
MUSEUM



R&P -
CULTURAL
ARTS



GENERAL
BUILDING



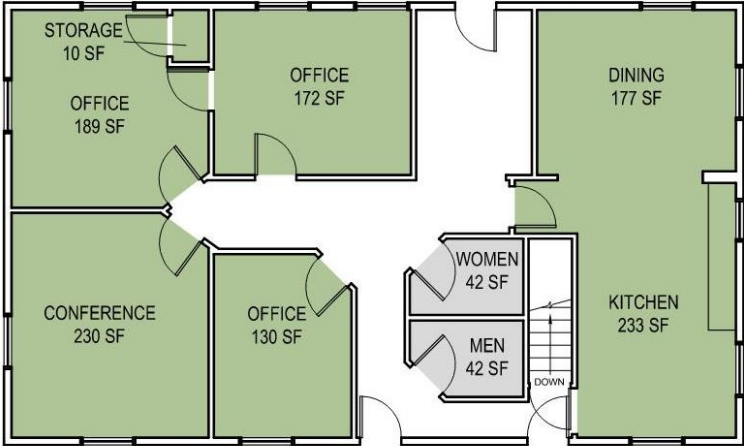
BUILDING
OPERATIONS



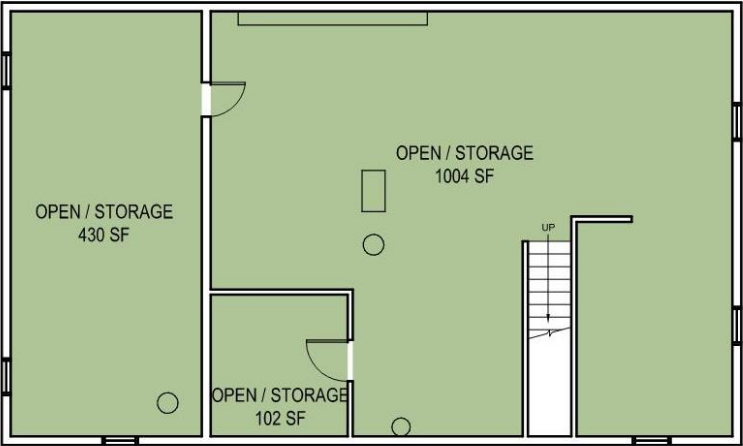
ORLAND
PARK

LEGATARCHITECTS

Phase 2
Parks Administration
& Maintenance Garage



FIRST FLOOR



BASEMENT LEVEL



DETACHED GARAGE / SHED



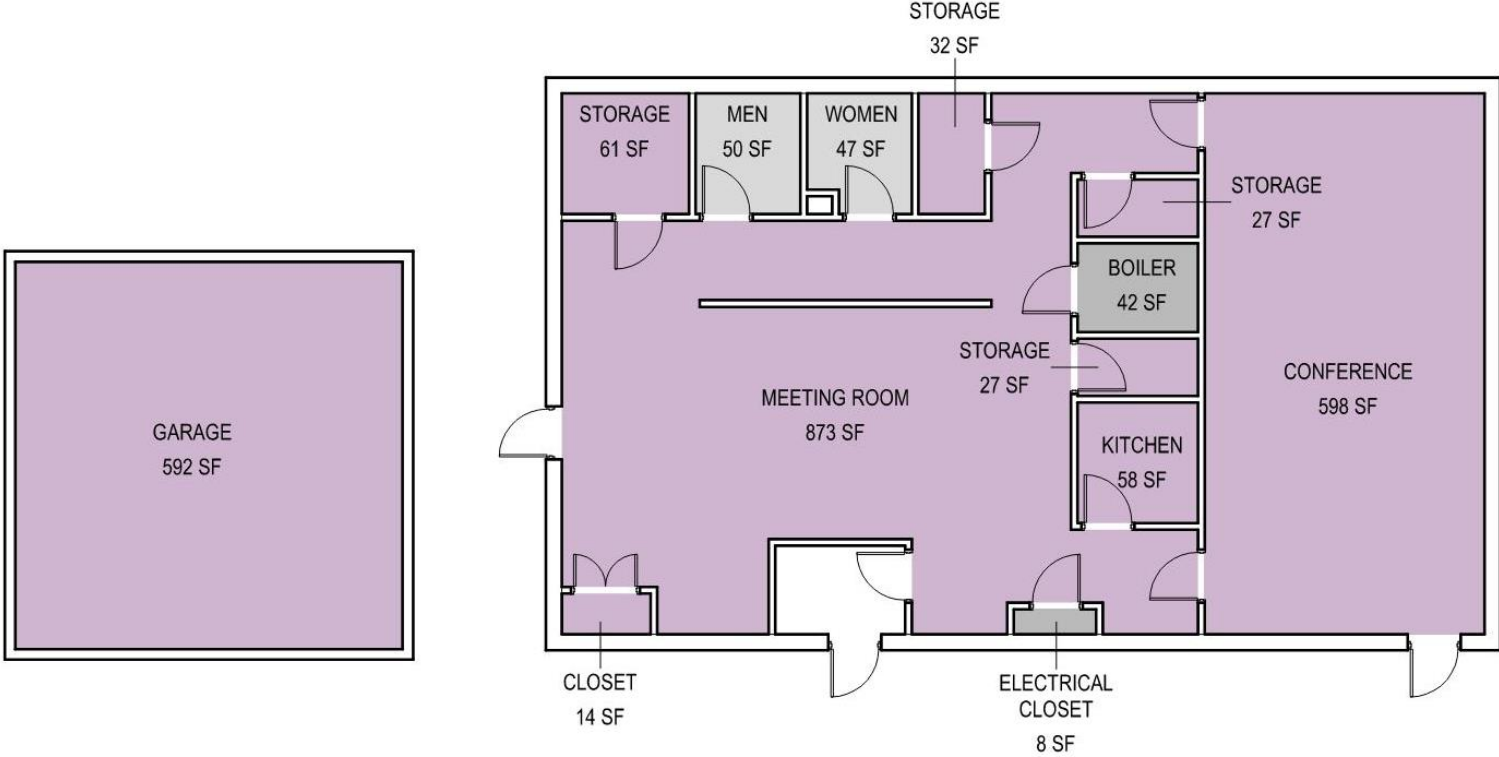
R&P - PARKS



GENERAL
BUILDING



Phase 2
Veterans Center



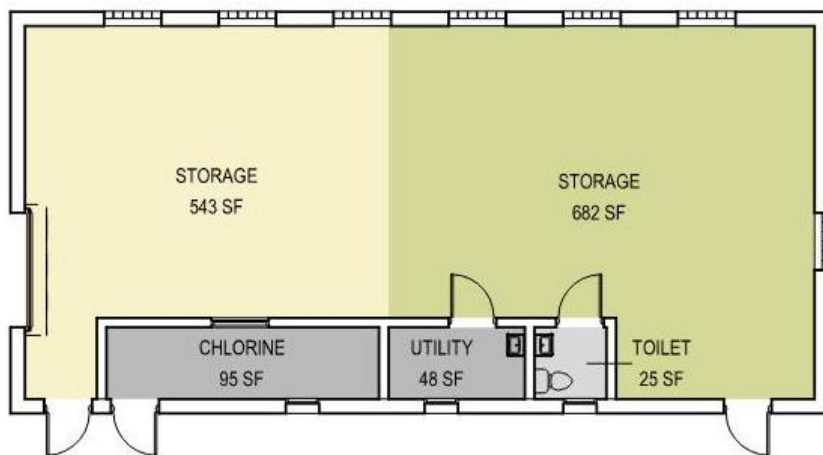
DETACHED GARAGE

FIRST FLOOR

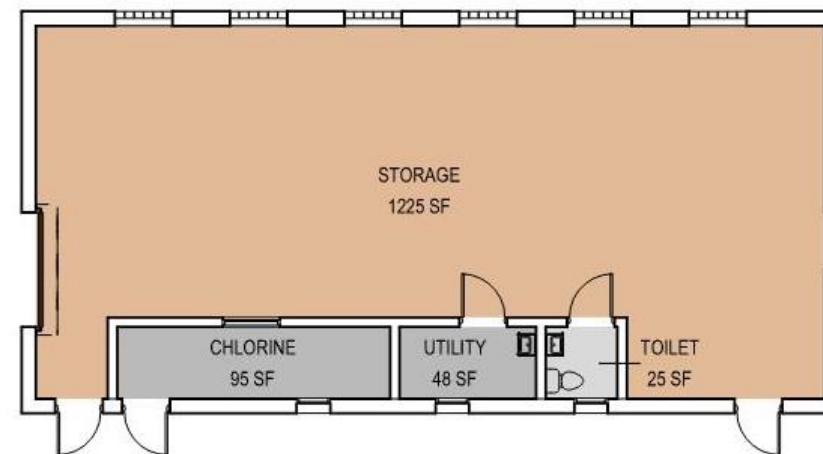


Phase 2

Well Houses 7 & 10



WELL HOUSE 7



WELL HOUSE 10



PW-NRF



PW-ST



PW-UT



GENERAL
BUILDING

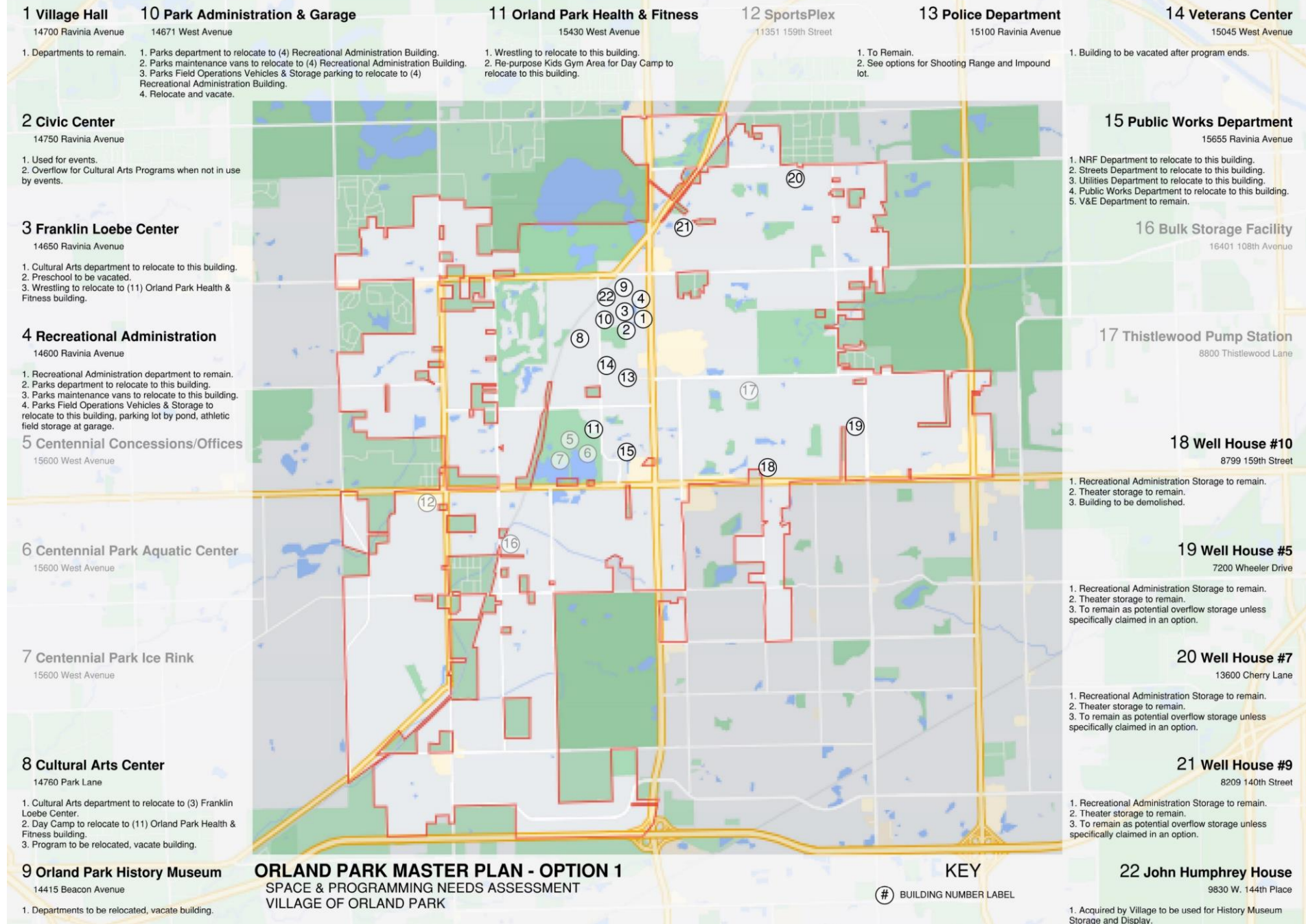


BUILDING
OPERATIONS



ORLAND
PARK

LEGATARCHITECTS



Phase 2 Village Hall

In reviewing the space needs of the various departments in Village Hall a few common items emerged. Larger breakrooms and access to conference spaces are desired. In the reconfigured options an enticing shared breakroom is proposed as well as departmental conference rooms adjacent to corridors to allow for opportunities for conference rooms to be shared.



VETERANS

Phase 2 Village Hall: Lake Level



EXISTING SECOND FLOOR



RECONFIGURED SECOND FLOOR



PW-NRF



FLEX



HR



IT



DEVELOPMENT
SERVICES



EPS



VETERANS



GENERAL
BUILDING



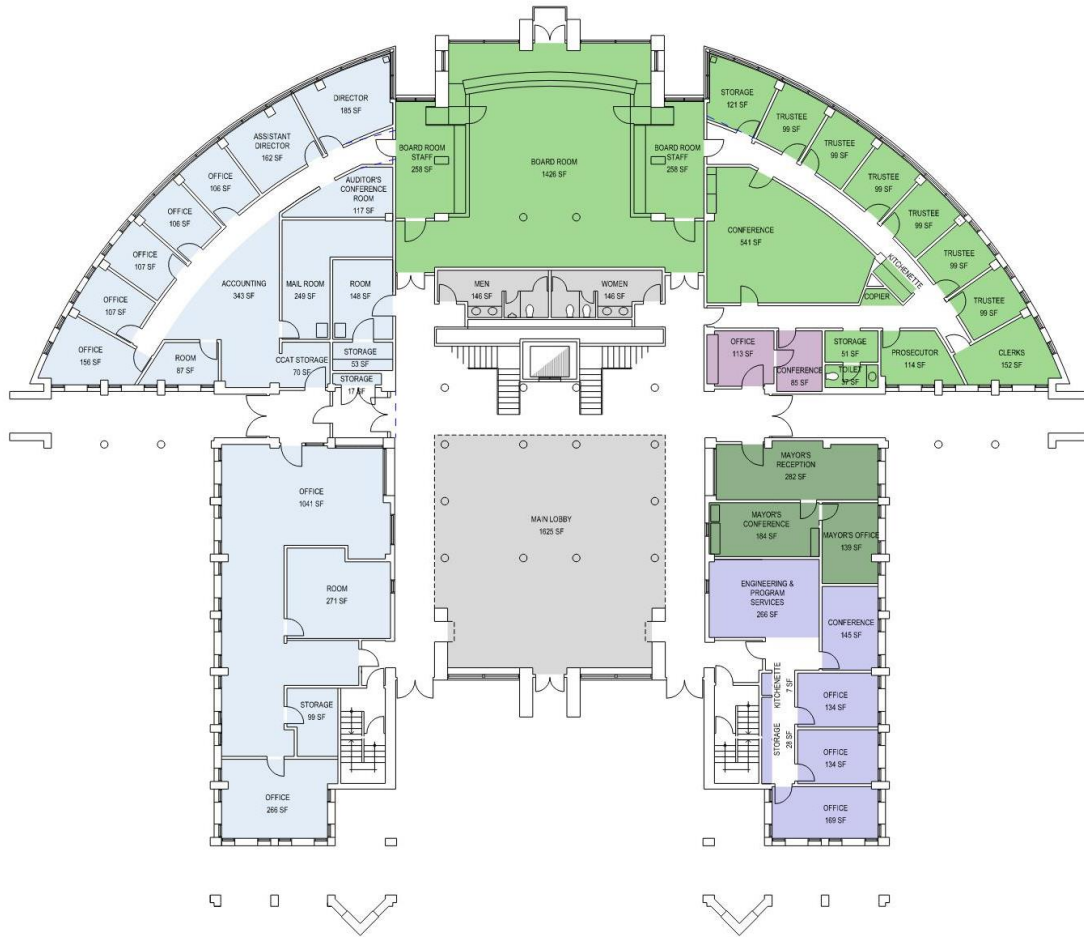
BUILDING
OPERATIONS



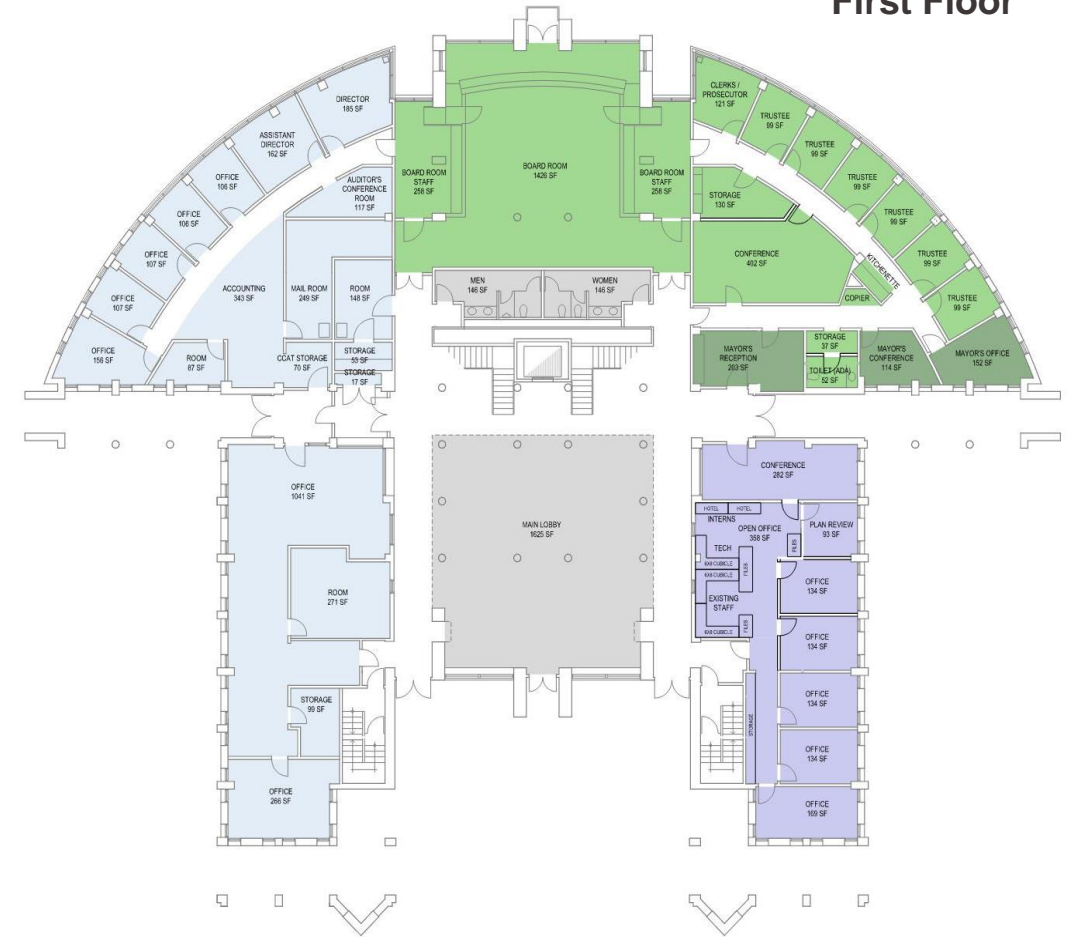
ORLAND
PARK

LEGATARCHITECTS

Phase 2 Village Hall: First Floor



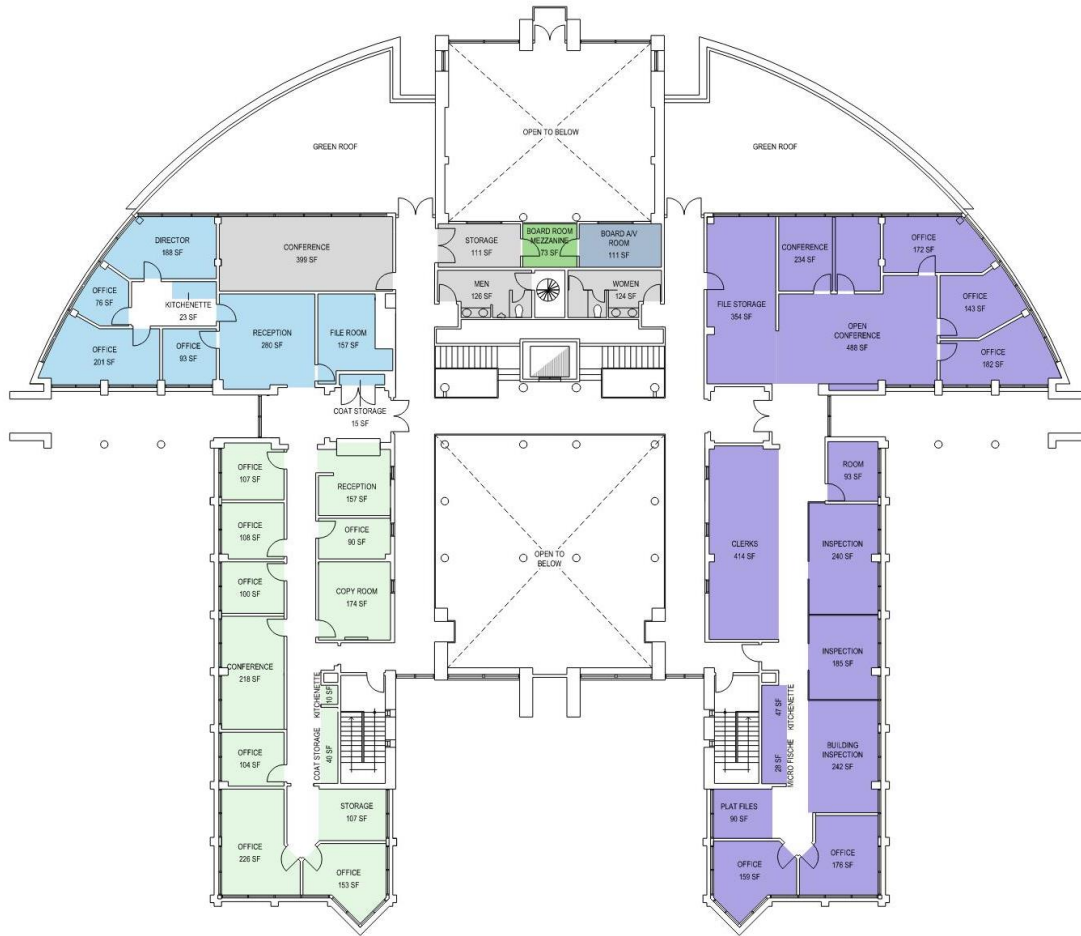
EXISTING SECOND FLOOR



RECONFIGURED SECOND FLOOR



Phase 2 Village Hall: Second Floor



EXISTING SECOND FLOOR

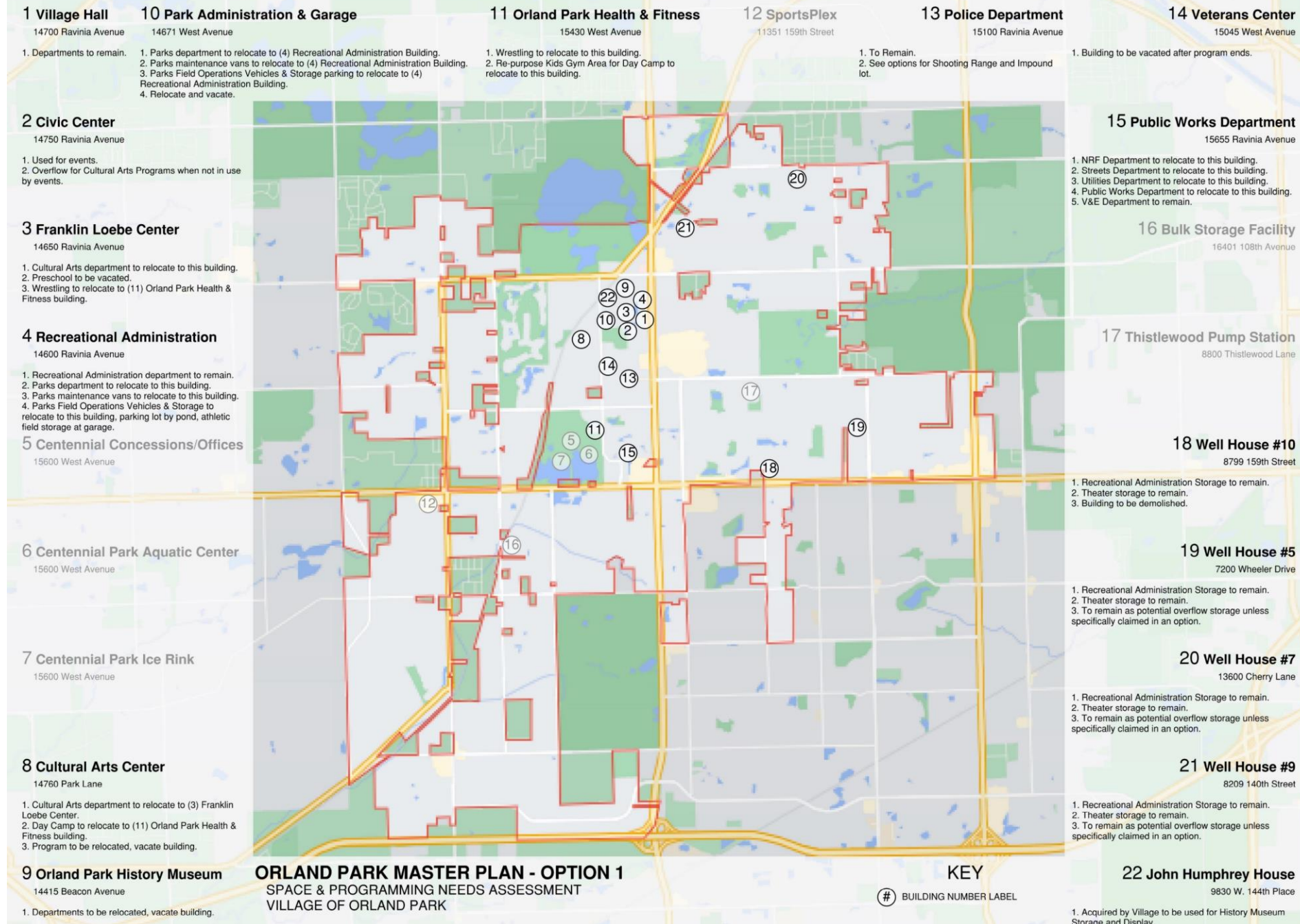


RECONFIGURED SECOND FLOOR



ORLAND
PARK

LEGAT ARCHITECTS



Phase 2

Option 1: Recreation & Parks

Cosmetic & Reuse:

The lowest renovation option. Proposing only cosmetic and required fixes identified in Phase 1 and reusing spaces that currently exist.

BUILDINGS INCLUDE:

RECREATION ADMIN

FRANKLIN LOEBE CENTER

HEALTH & FITNESS CENTER

WELL HOUSE 5

WELL HOUSE 9

PUBLIC WORKS



Phase 2

Option 1: Recreation & Parks

Keeping the existing building configuration limits the potential of the space. Consolidating Public Works allows for additional square footage to be utilized by Recreation storage. Due to inefficient layout of the cell block area, additional storage in well houses and public work would need to remain.

The current office layout is larger than required and leaves less space for storage, but condensing office spaces provides the open to have some flex office space.

EXISTING
LOWER LEVEL



RECONFIGURED
LOWER LEVEL

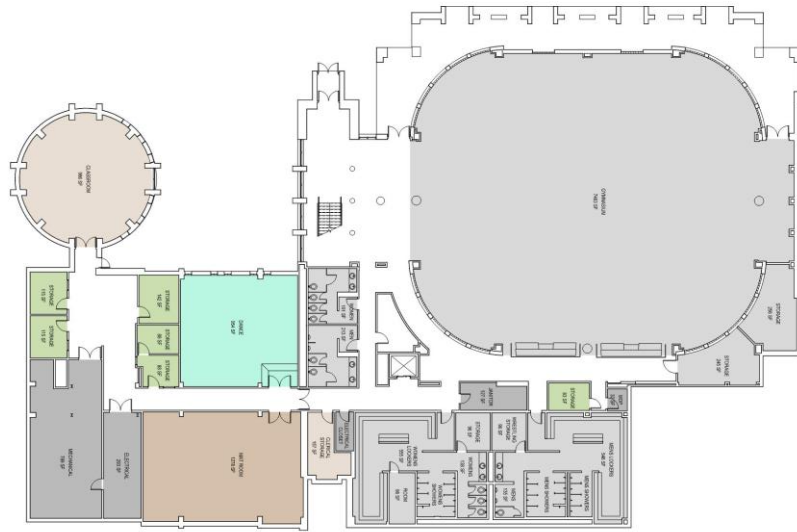


EXISTING
UPPER LEVEL

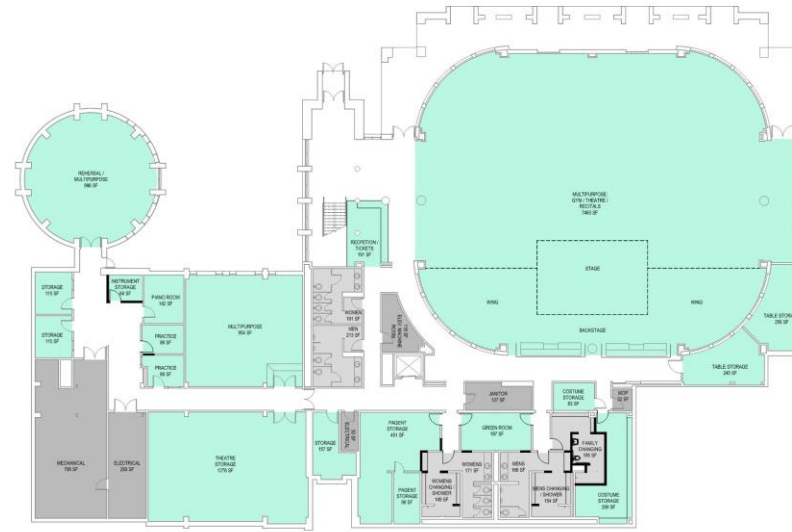


RECONFIGURED
UPPER LEVEL

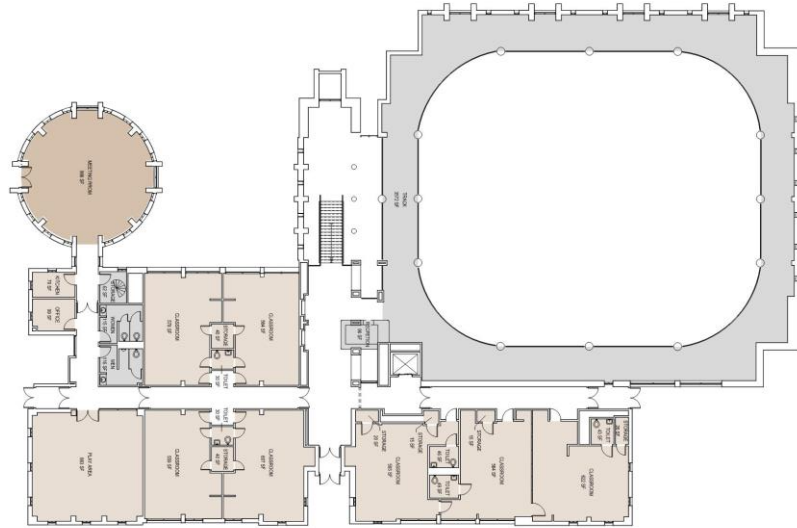




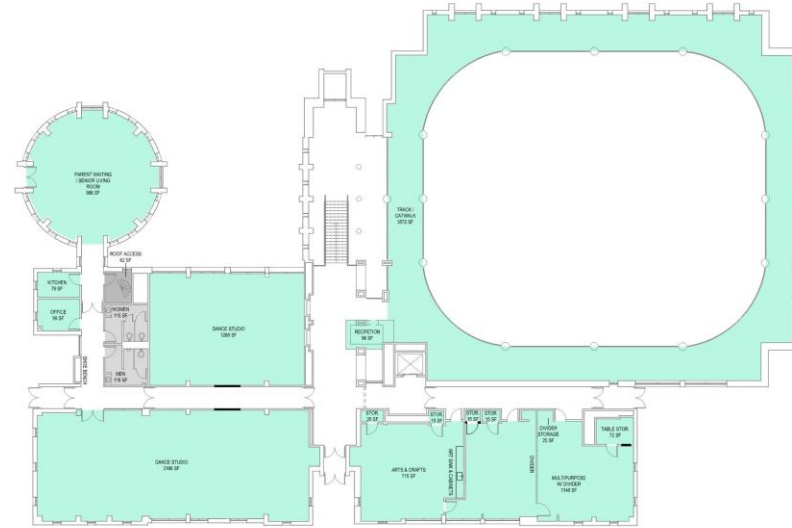
EXISTING FIRST FLOOR



RECONFIGURED FIRST FLOOR



EXISTING SECOND FLOOR



RECONFIGURED SECOND FLOOR

Phase 2 Option 1: Franklin Loebe Center

Vacating the Cultural Arts building leaves this program to find a home. By discontinuing the preschool function of the FLC the cultural arts department can utilize this space with some renovations.



**LEASED:
PRESCHOOL**



**LEASED / RENTED:
WRESTLING / OTHER**



**R&P
RECREATION**



**R&P
CULTURAL ARTS**



**GENERAL
BUILDING**



**BUILDING
OPERATIONS**



**ORLAND
PARK**

LEGATARCHITECTS

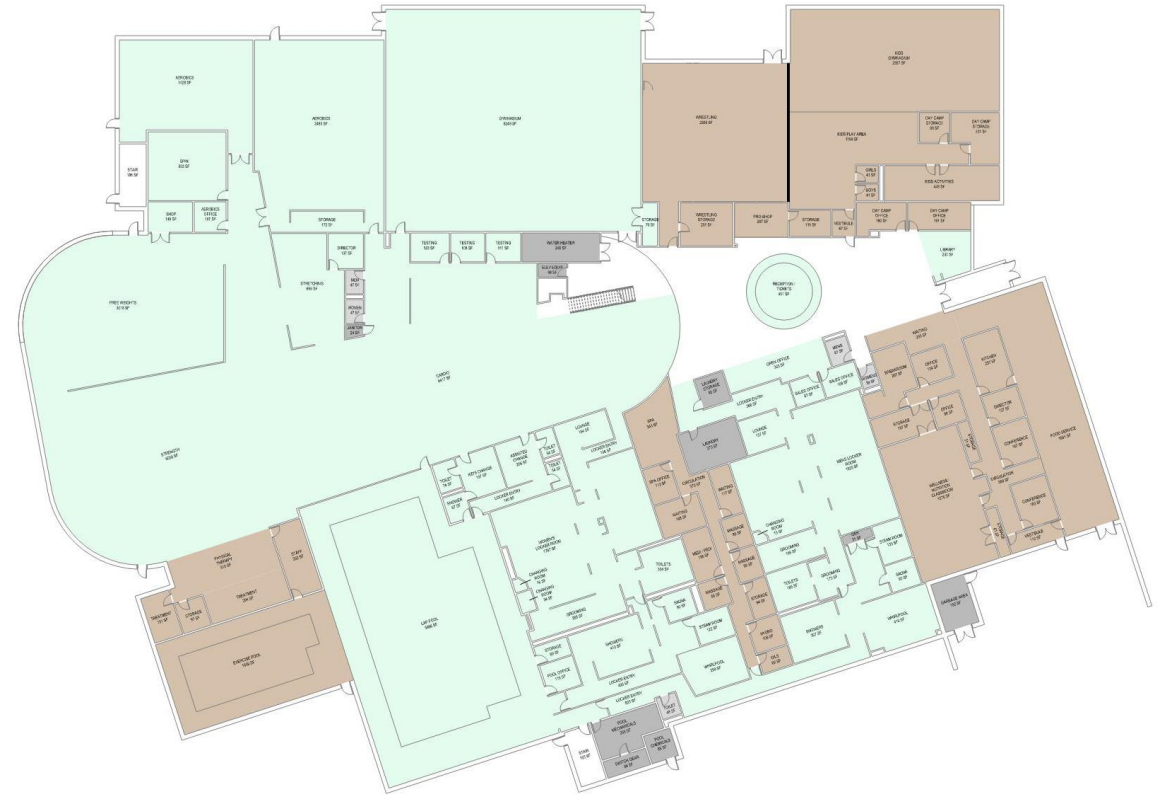
Phase 2

Option 1:

Health & Fitness Center



EXISTING MAIN LEVEL



RECONFIGURED MAIN LEVEL



LEASED / RENTED:
VARIES



R&P
FITNESS



GENERAL
BUILDING

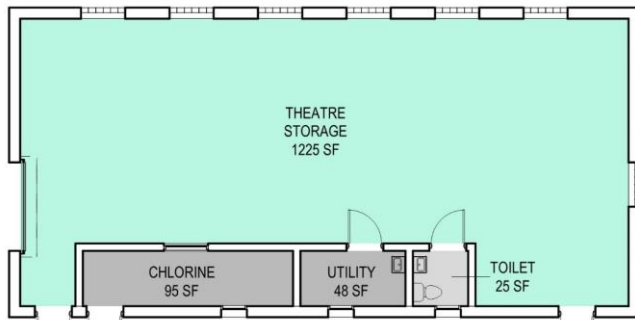


BUILDING
OPERATIONS

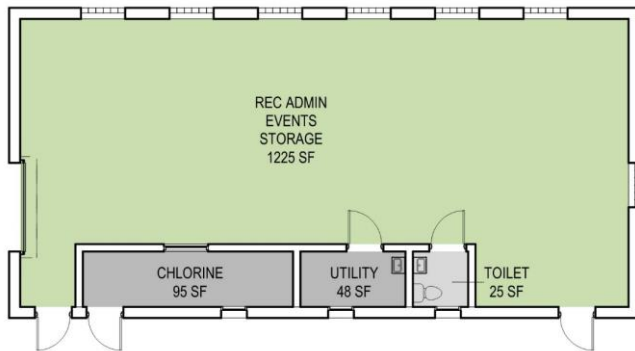


ORLAND
PARK

LEGATARCHITECTS

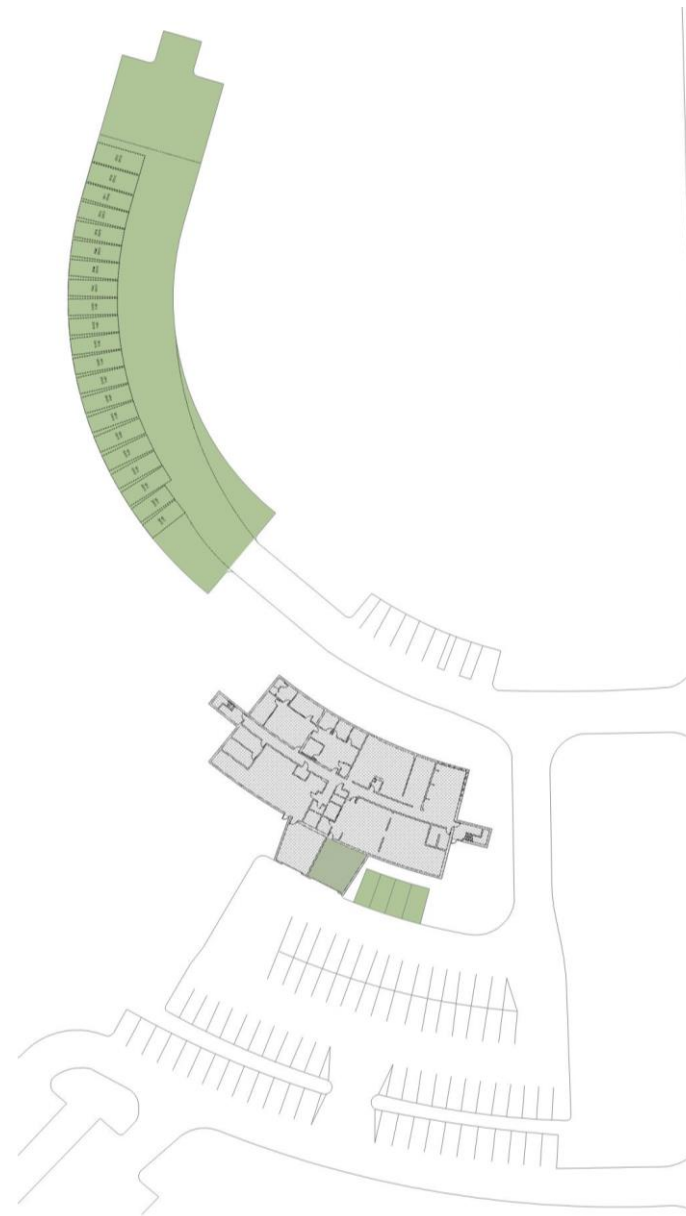
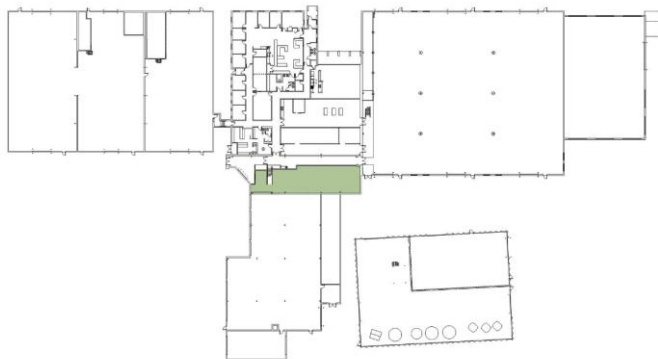


WELL HOUSE 5



WELL HOUSE 9

PUBLIC WORKS MEZANINE



REC ADMIN PARKING LOT

Phase 2

Option 1:

Well House 5

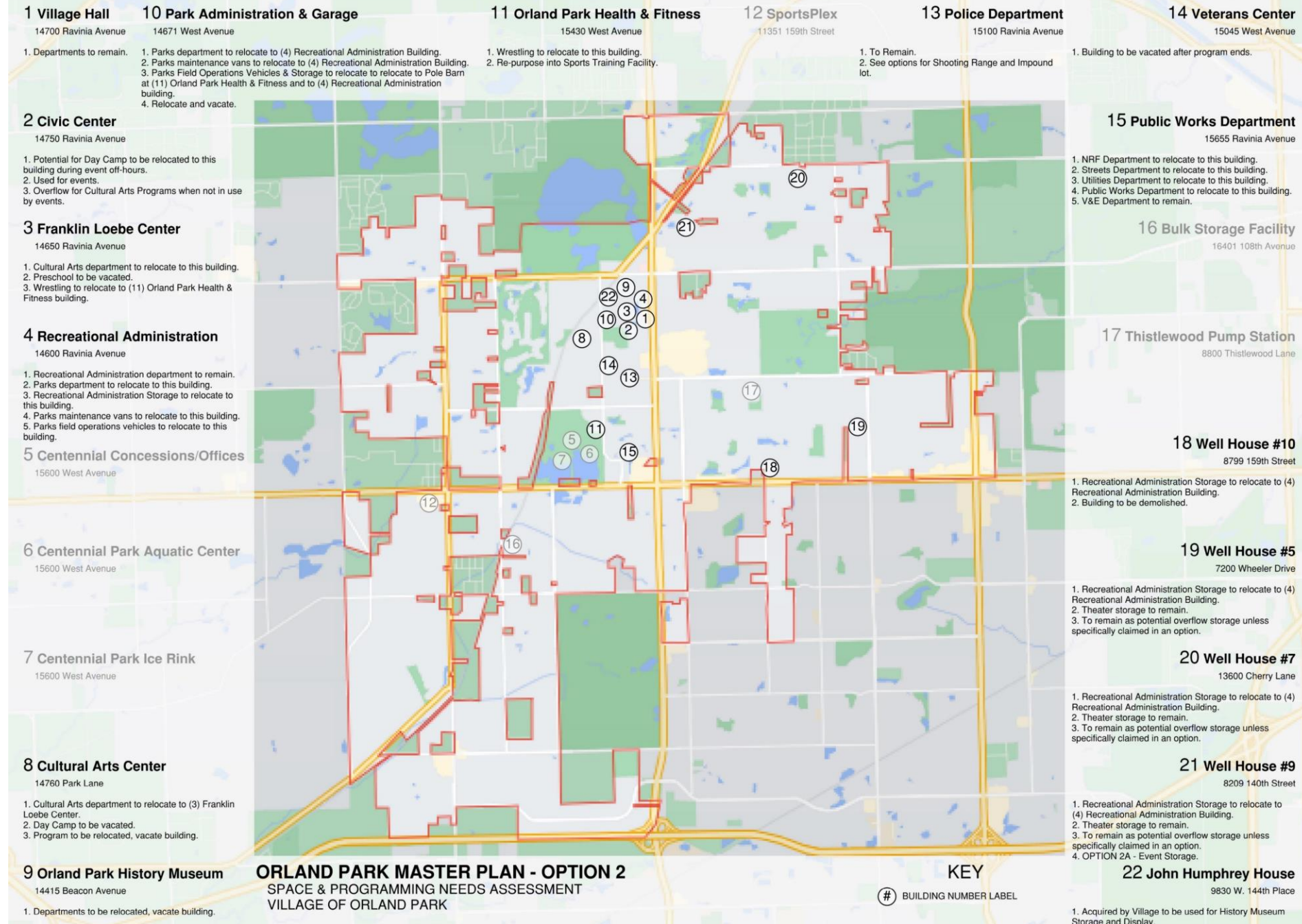
Well House 9

Public Works

Rec Admin Site

The upper parking lot at Rec Admin is proposed to be used for parks field operations vehicle and material storage.





Phase 2

Option 2: Recreation & Parks

Reconfigured Spaces:

To better serve the needs of the Recreation & Parks department, renovations to the various buildings are proposed, ranging from light to heavy renovations. Renovations also include items identified in Phase 1.

BUILDINGS INCLUDE:

RECREATION ADMIN

FRANKLIN LOEBE CENTER

CIVIC CENTER

HEALTH & FITNESS CENTER

WELL HOUSE 5

WELL HOUSE 9



**ORLAND
PARK**

LEGATARCHITECTS

Phase 2

Option 2A: Recreation & Parks

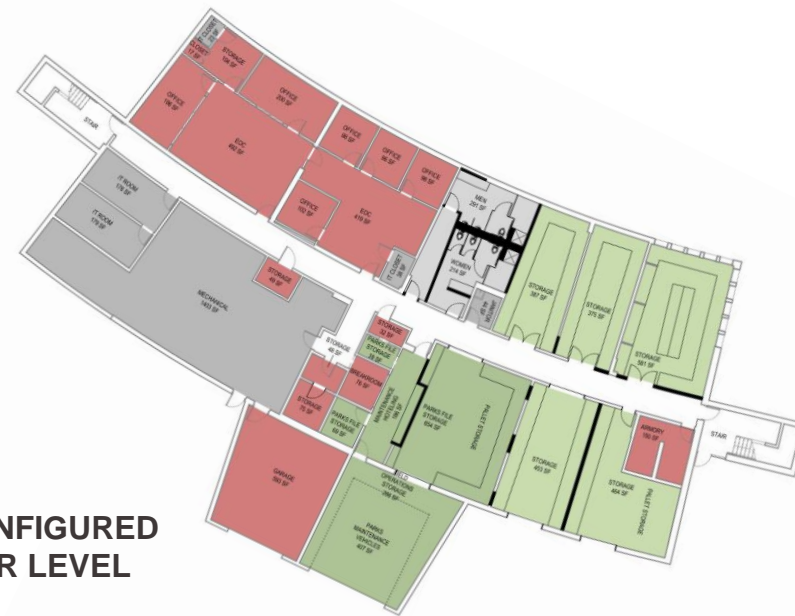
Renovating the cell block area and adjacent storage rooms allows for greater economy for storage. Reducing the wasted space of the under-utilized locker and toilet rooms provides a better toilet facility and even more storage space.

Limited renovations are proposed for the upper level.

**EXISTING
LOWER LEVEL**



**RECONFIGURED
LOWER LEVEL**

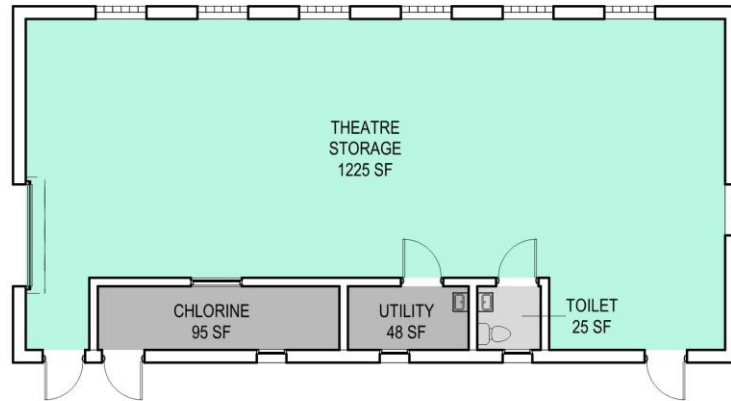


**EXISTING
UPPER LEVEL**

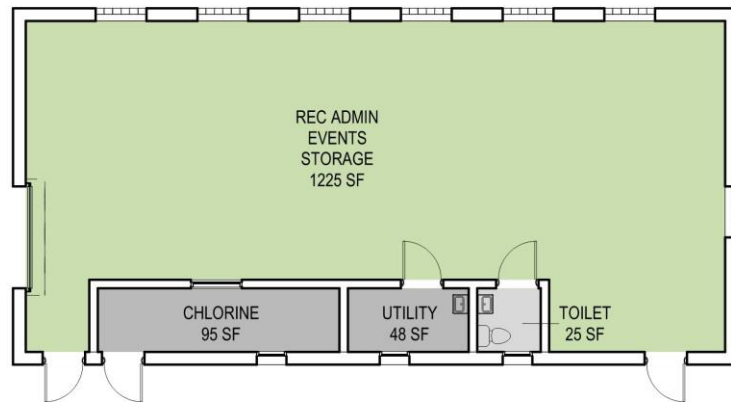


**RECONFIGURED
UPPER LEVEL**

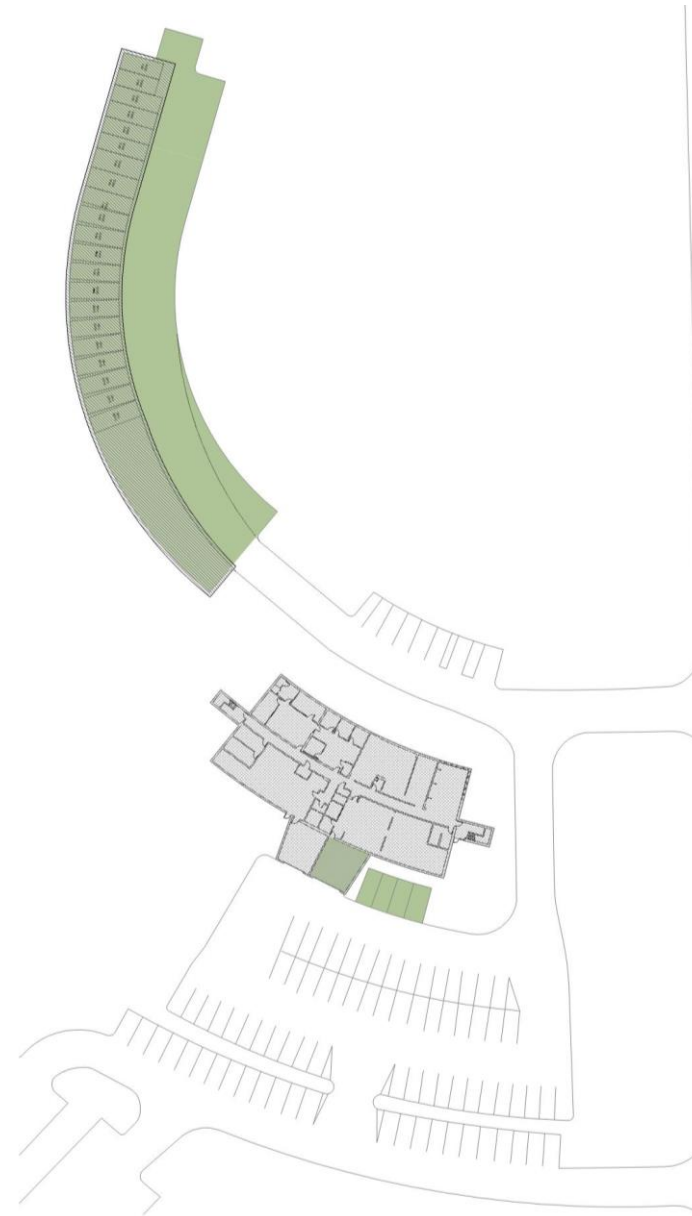




WELL HOUSE 5



WELL HOUSE 9



REC ADMIN PARKING LOT

Phase 2

Option 2A:

Well House 5

Well House 9

Rec Admin Site

The upper parking lot at Rec Admin is proposed to be used for parks field operations vehicle and material storage. In this option, a covered canopy is proposed to provide shelter for vehicles and materials.



Phase 2

Option 2B: Recreation & Parks

Option 2B proposes a garage addition to allow for maintenance vehicles to be parked in a garage.

Addition renovations are proposed on the upper level to revise the offices to standard sizes and maximize the space. Allowing for all Recreation & Parks administration to be located in one area.

**EXISTING
FIRST FLOOR**



**RECONFIGURED
FIRST FLOOR**



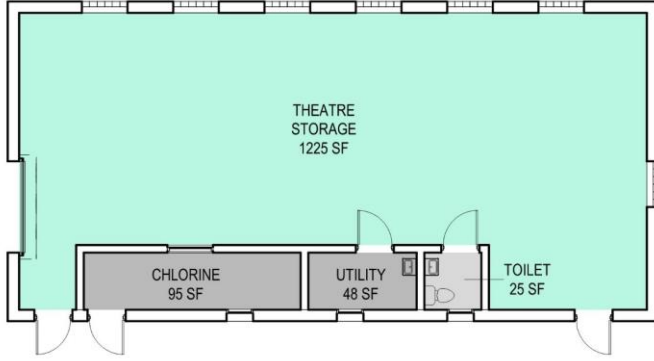
**EXISTING
SECOND FLOOR**



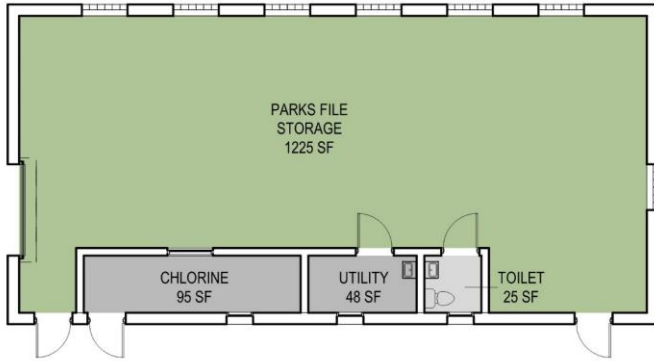
**RECONFIGURED
SECOND FLOOR**



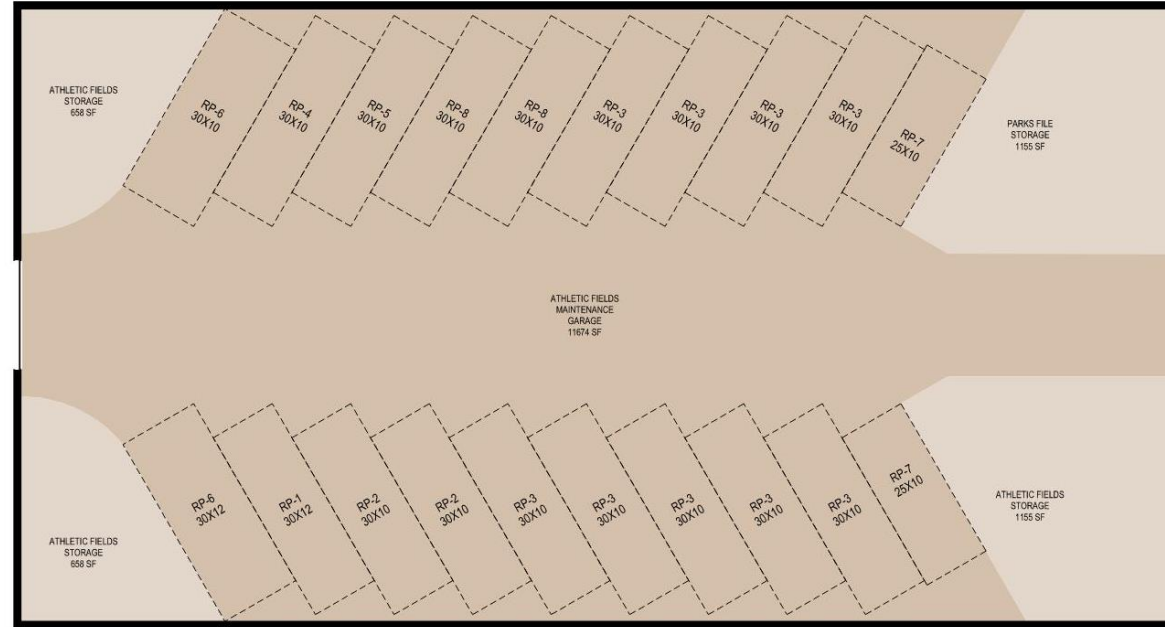
Phase 2
Option 2B:
Well House 5
Well House 9



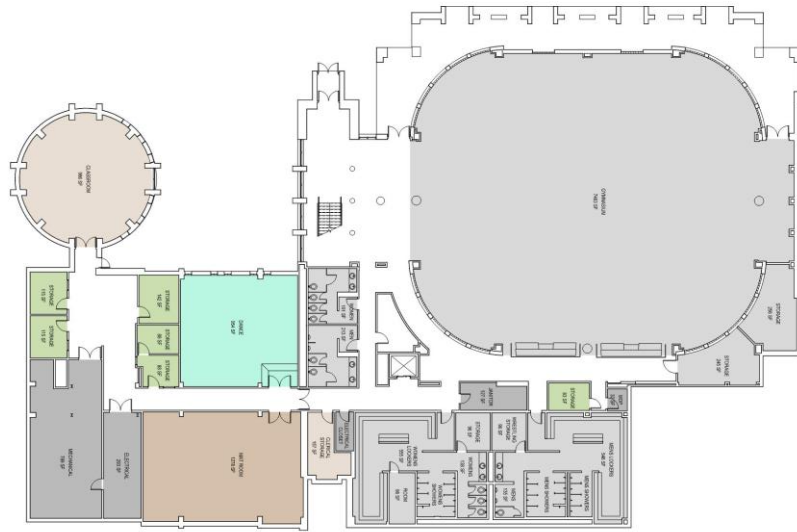
WELL HOUSE 5



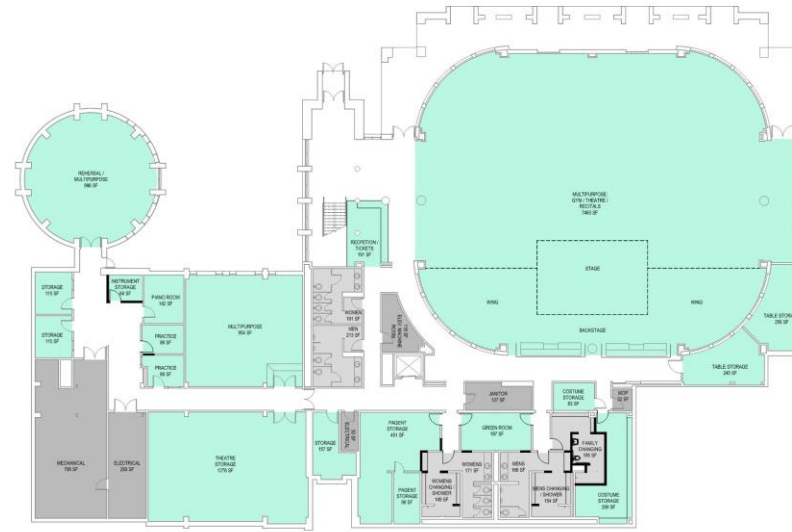
WELL HOUSE 9



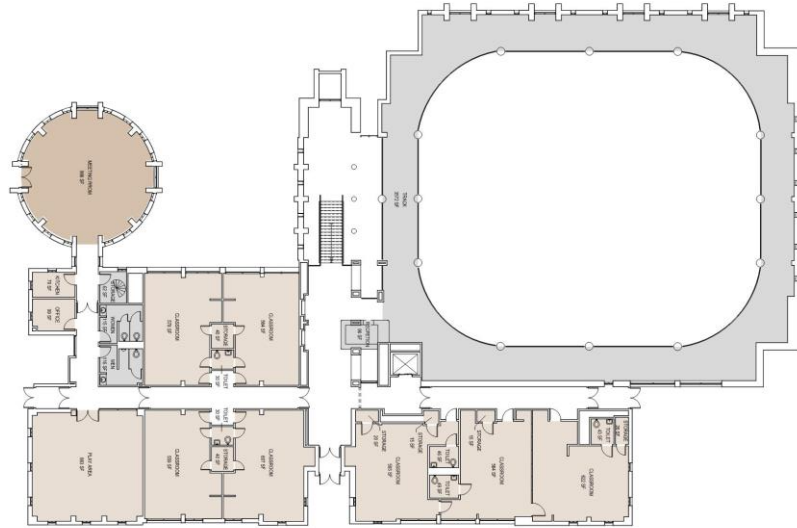
PARKS POLE BARN
CENTENNIAL PARK / HEALTH & FITNESS CENTER
LOCATION TBD



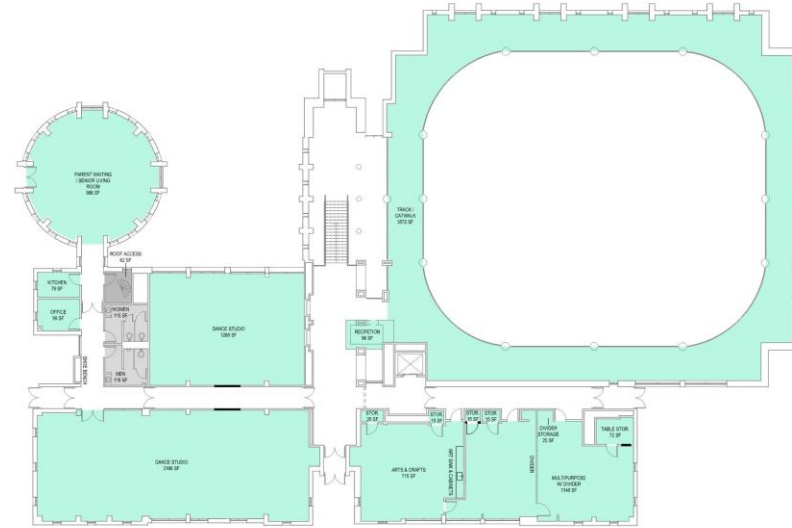
EXISTING FIRST FLOOR



RECONFIGURED FIRST FLOOR



EXISTING SECOND FLOOR



RECONFIGURED SECOND FLOOR

Phase 2

Option 2: Franklin Loebe Center

As in Option 1, the FLC is proposed to be utilized for Cultural Arts, no changes have been made for this option.



**LEASED:
PRESCHOOL**



**LEASED / RENTED:
WRESTLING / OTHER**



**R&P
RECREATION**



**R&P
CULTURAL ARTS**



**GENERAL
BUILDING**



**BUILDING
OPERATIONS**

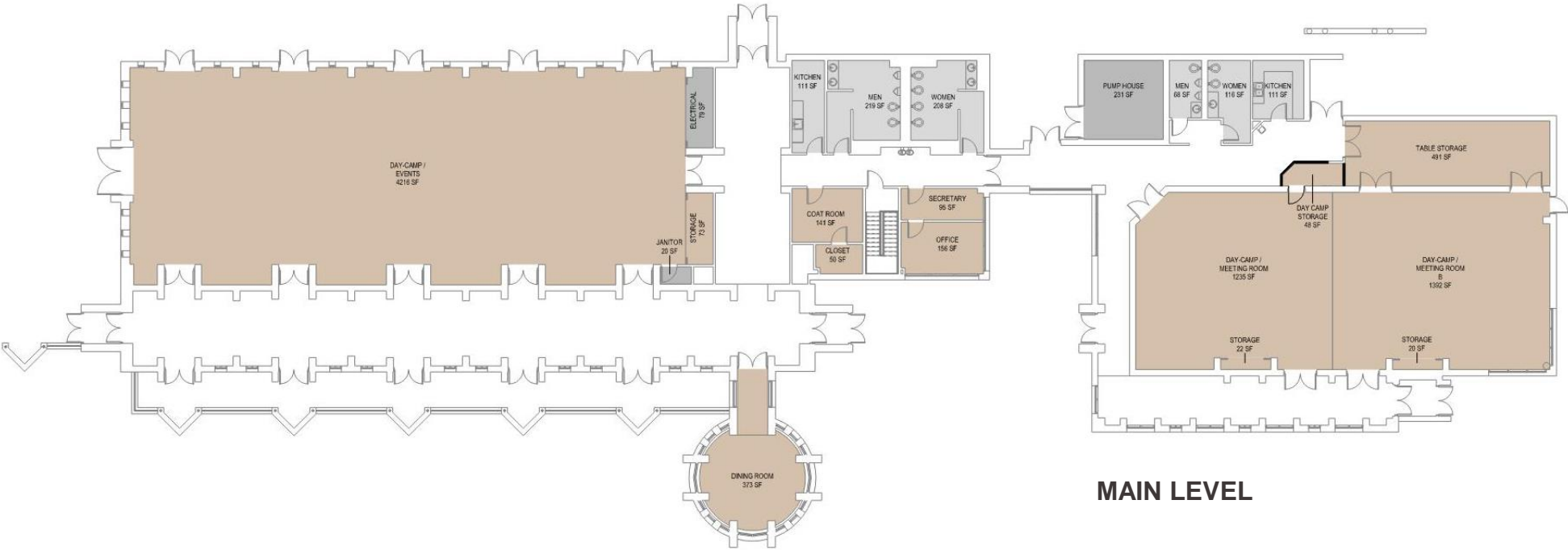
LEGATARCHITECTS



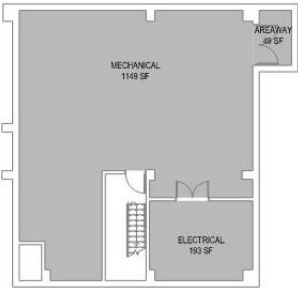
**ORLAND
PARK**

Phase 2 Option 2: Civic Center

In this option, the Civic Center keeps its current functions, however, it is proposed that the center could be used for day camp during off hours.



MAIN LEVEL



LOWER LEVEL

LEASED / RENTED:
VARIES

GENERAL
BUILDING

BUILDING
OPERATIONS



Phase 2 Option 2: Health & Fitness Center



EXISTING MAIN LEVEL



RECONFIGURED MAIN LEVEL

LEASED / RENTED:
VARIES

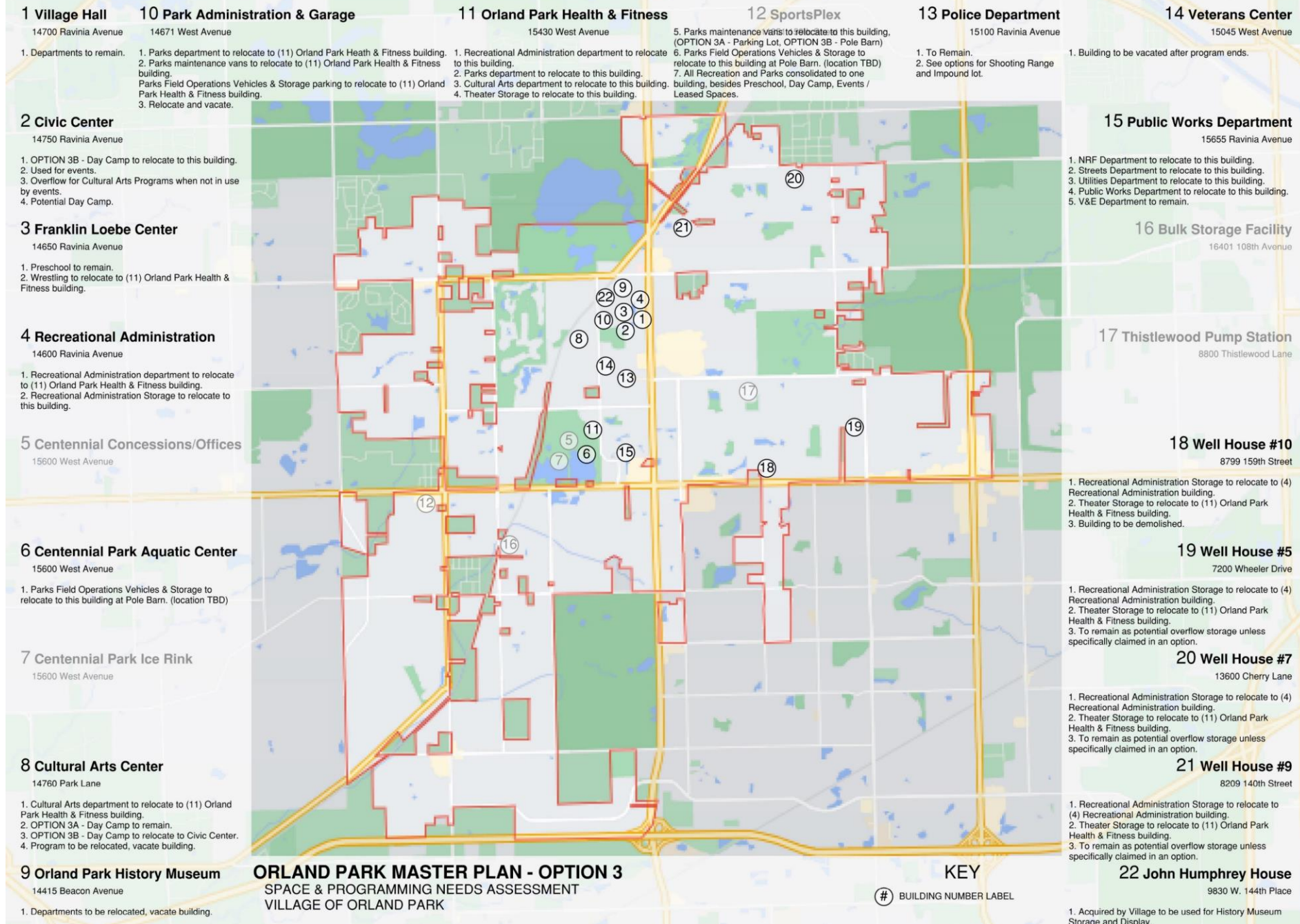
R&P
FITNESS

GENERAL
BUILDING

BUILDING
OPERATIONS



LEGATARCHITECTS



Phase 2 Option 3: Recreation & Parks

Consolidated Spaces:

To not only provide the spaces to better serve the Recreation & Parks department, but also improve adjacencies and consolidate functions as much as possible.

BUILDINGS INCLUDE:

RECREATION ADMIN

HEALTH & FITNESS CENTER

WELL HOUSE 5



**ORLAND
PARK**

Phase 2

Option 3: Recreation & Parks

In this option, Recreation & Parks is relocated to the Health & Fitness Center, opening up the current Rec Admin building to be used for storage and flex office space. This configuration allows for EOC to obtain both garages for its vehicles.

**EXISTING
LOWER LEVEL**



**RECONFIGURED
LOWER LEVEL**



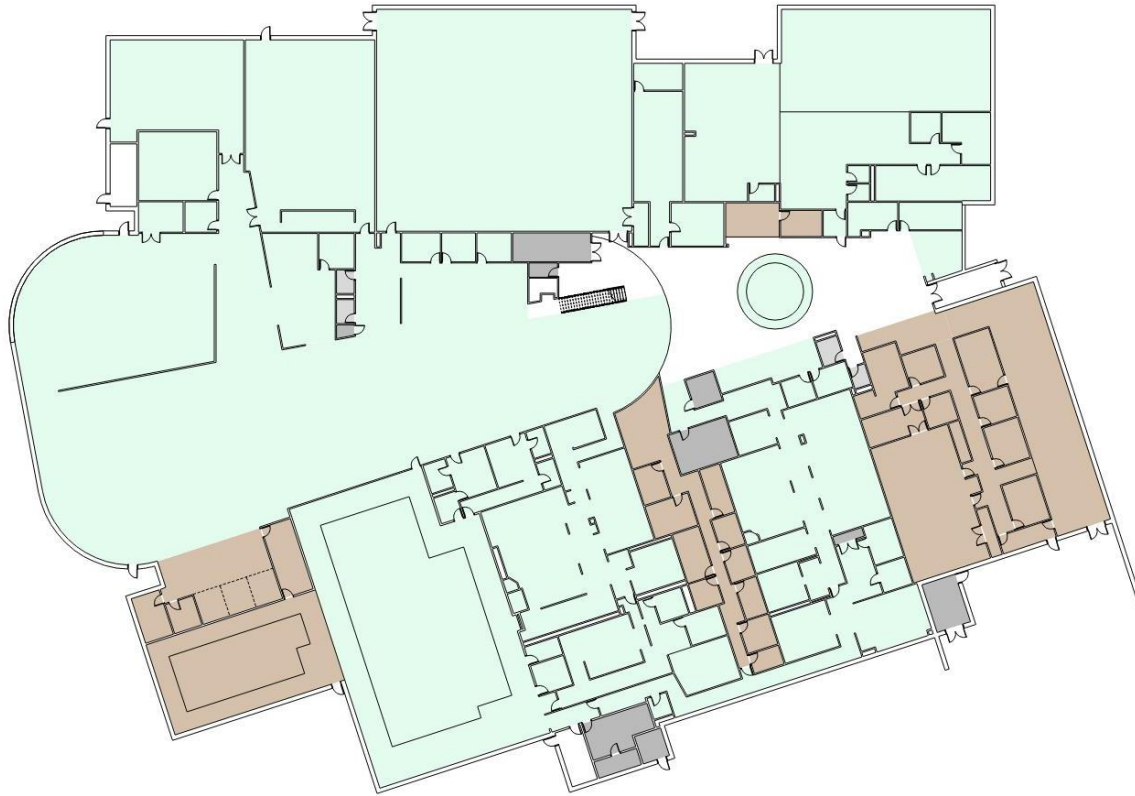
**EXISTING
UPPER LEVEL**



**RECONFIGURED
UPPER LEVEL**



Phase 2 Option 3A: Health & Fitness Center



EXISTING MAIN LEVEL



RECONFIGURED MAIN LEVEL

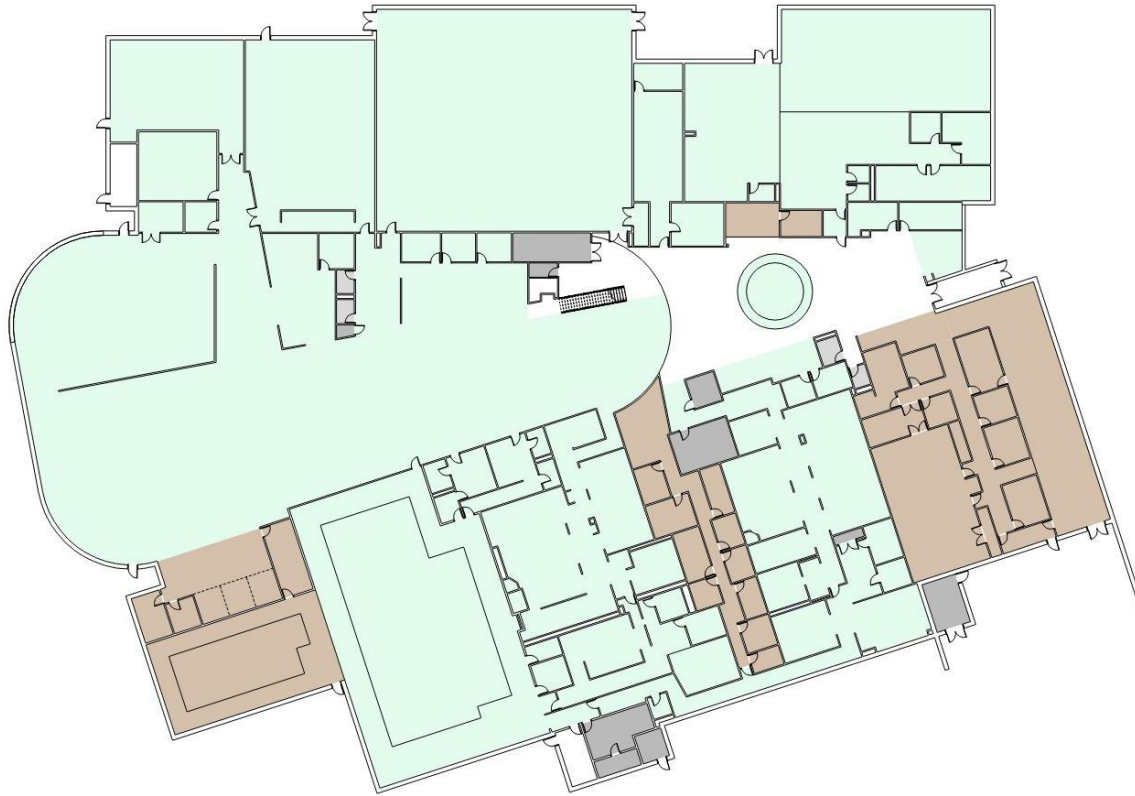
 LEASED: DAYCAMP	 R&P RECREATION	 R&P PARKS	 R&P CULTURAL ARTS	 R&P FITNESS	 GENERAL BUILDING	 BUILDING OPERATIONS
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LEGATARCHITECTS



ORLAND
PARK

Phase 2 Option 3B: Health & Fitness Center



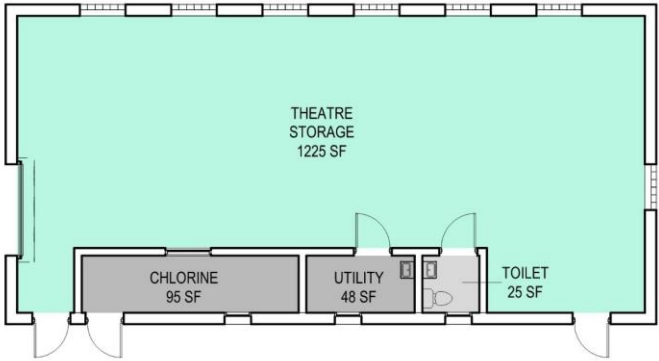
EXISTING MAIN LEVEL



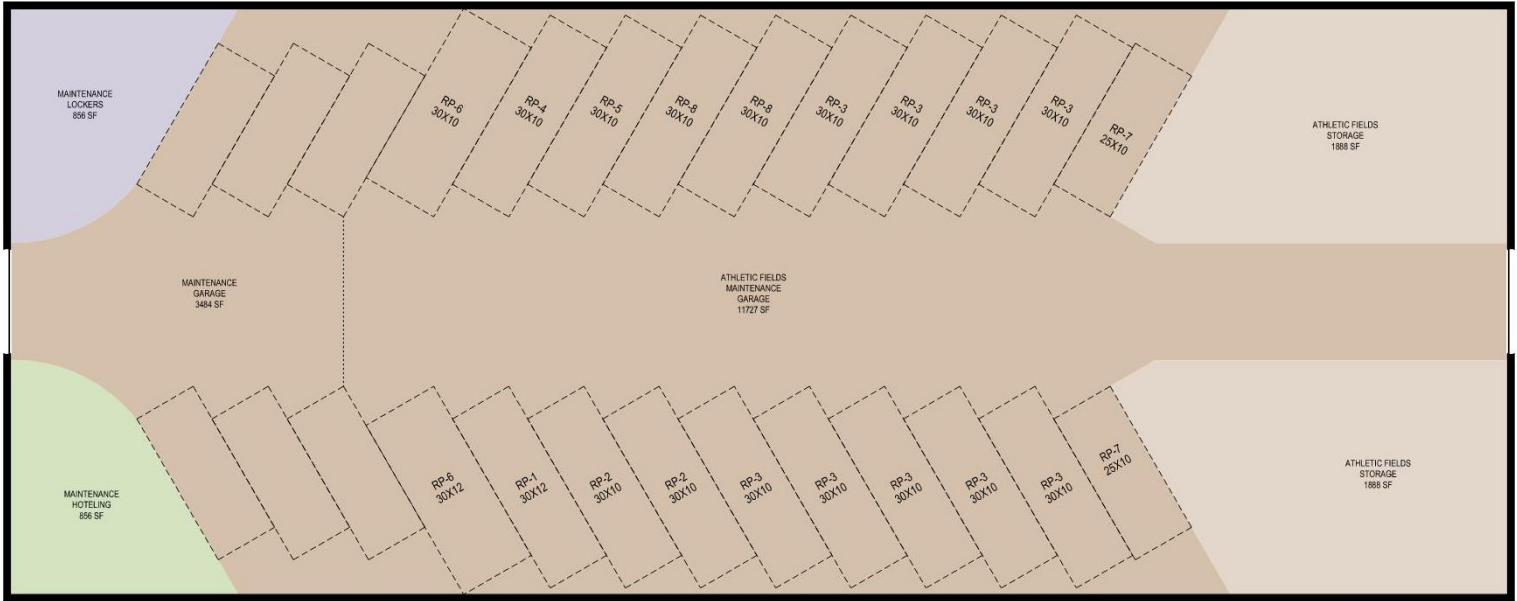
RECONFIGURED MAIN LEVEL



Phase 2
Option 3:
Well House 5
Well House 9



WELL HOUSE 5
OPTION 3B



PARKS POLE BARN
CENTENNIAL PARK / HEALTH & FITNESS CENTER
LOCATION TBD

R&P
PARKS

R&P
CULTURAL
ARTS

GENERAL
BUILDING

BUILDING
OPERATIONS



Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 2: Space Needs Analysis
Franklin Loebe Center - Option 1 - Interior Renovations



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
INTERIOR DEMOLITION COSTS						
1.	Light Demolition	14716	SF	\$10	\$147,160	
2.	Medium Demolition	7724	SF	\$25	\$193,100	
3.	Heavy Demolition	1631	SF	\$50	\$81,550	
Subtotal:					\$421,810	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Light Interior Remodeling	14716	SF	\$100	\$1,471,600	
2.	Medium Interior Remodeling	7724	SF	\$150	\$1,158,600	
3.	Heavy Interior Remodeling	1631	SF	\$200	\$326,200	
Subtotal:					\$2,956,400	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$3,378,210	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	11	MO	\$20,000	\$220,000	
2.	General Conditions	6%	%	\$202,693	\$202,693	
3.	Bonds	1.15%	%	\$38,849	\$38,849	
4.	Insurance	0.800	%	\$27,026	\$27,026	
5.	Profit	8%	%	\$270,257	\$270,257	
					\$758,824	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$4,137,034	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	8.00%	%	\$330,963	\$330,963	
					\$330,963	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$620,555	\$620,555	
					\$620,555	
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$3,500	\$3,500	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$1,000	\$1,000	
5.	Furniture, Fixtures, and Equipment	1	AL	\$25,000	\$25,000	
6.	Audio/Visual Equipment	1	AL	\$50,000	\$50,000	
7.	Informational Technology Equipment	1	AL	\$5,000	\$5,000	
					\$86,250	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$5,174,802	

Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 2: Space Needs Analysis
Orland Park Health and Fitness Center - Option 2 - Interior Renovation for Sports Center



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	22115	SF	\$5	\$110,575	
2.	Light Demolition	12202	SF	\$10	\$122,020	
3.	Medium Demolition	6994	SF	\$25	\$174,850	
4.	Heavy Demolition	809	SF	\$50	\$40,450	
Subtotal:					\$447,895	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	13457	SF	\$50	\$672,850	
2.	Light Interior Remodeling	3507	SF	\$100	\$350,700	
3.	Medium Interior Remodeling	24347	SF	\$150	\$3,652,050	
4.	Heavy Interior Remodeling	809	SF	\$200	\$161,800	
Subtotal:					\$4,837,400	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$5,285,295	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	10	MO	\$20,000	\$200,000	
2.	General Conditions	6%	%	\$317,118	\$317,118	
3.	Bonds	1.15%	%	\$60,781	\$60,781	
4.	Insurance	0.800	%	\$42,282	\$42,282	
5.	Profit	8%	%	\$422,824	\$422,824	
					\$1,043,005	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$6,328,300	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	8.00%	%	\$506,264	\$506,264	
					\$506,264	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$949,245	\$949,245	
					\$949,245	
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$5,000	\$5,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$2,000	\$2,000	
5.	Furniture, Fixtures, and Equipment	1	LS	\$250,000	\$250,000	Includes Wrestling Mat / Batting Cages
6.	Audio/Visual Equipment	1	LS	\$10,000	\$10,000	
7.	Informational Technology Equipment	1	AL	\$7,500	\$7,500	
					\$276,250	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$8,060,058	

Programming Needs Assessment

Cost Estimate

Option 1
Franklin Loebe Center
Interior Renovations

Option 2
Orland Park Health and
Fitness Center Interior
Renovation for Sports
Center



ORLAND
PARK

Estimate of Probable Cost

Village of Orland Park

Facilities and Operations Master Plan - Phase 2: Space Needs Analysis

Orland Park Health and Fitness Center - Option 3 - Interior Renovation for CAC

LEGATARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	22115	SF	\$5	\$110,575	
2.	Light Demolition	12202	SF	\$10	\$122,020	
3.	Medium Demolition	8293	SF	\$25	\$207,325	
4.	Heavy Demolition	809	SF	\$50	\$40,450	
Subtotal:					\$480,370	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	22115	SF	\$50	\$1,105,750	
2.	Light Interior Remodeling	12202	SF	\$100	\$1,220,200	
3.	Medium Interior Remodeling	8293	SF	\$150	\$1,243,950	
4.	Heavy Interior Remodeling	809	SF	\$200	\$161,800	
Subtotal:					\$3,731,700	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$4,212,070	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	10	MO	\$20,000	\$200,000	
2.	General Conditions	6%	%	\$252,724	\$252,724	
3.	Bonds	1.15%	%	\$48,439	\$48,439	
4.	Insurance	0.800	%	\$33,697	\$33,697	
5.	Profit	8%	%	\$336,966	\$336,966	
					\$871,825	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$5,083,895	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	8.00%	%	\$406,712	\$406,712	
					\$406,712	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$762,584	\$762,584	
					\$762,584	
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$5,000	\$5,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$2,000	\$2,000	
7.	Furniture, Fixtures, and Equipment	7100	SF	\$20	\$142,000	Does not Include Fitness Equipment
8.	Audio/Visual Equipment	1	LS	\$10,000	\$10,000	
9.	Informational Technology Equipment	1	AL	\$7,500	\$7,500	
					\$168,250	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$6,421,441	

Programming Needs Assessment

Cost Estimate

Option 3
Orland Park Health and Fitness Center Interior Renovation for Cultural Arts Center





ORLAND
PARK

Facilities and Operations Master Plan:

Phase 3

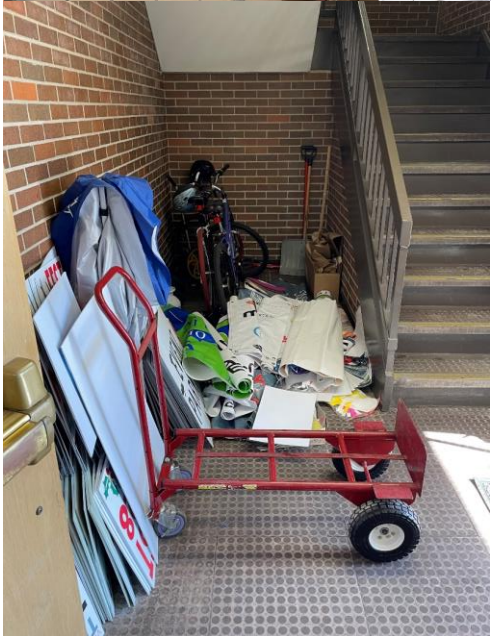
Recreation Administration Storage Masterplan

LEGATARCHITECTS



ORLAND
PARK

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► Recreation Administration Storage Masterplan











Storage challenges in Recreation Administration Building resulting from left-over police department spaces.



Recreation Administration Storage Masterplan

Option 1
Maintain Existing Spaces

FLOOR PLAN LEGEND

	EXISTING EOC - NO WORK		STORAGE		MULTI-PURPOSE ROOM
	EXISTING AREA - NO WORK		OFFICE		KITCHEN
	CIRCULATION		CONFERENCE ROOM		TOILET ROOM
					RECEPTION

DRAWING NOTES

- 1 REPLACE VCT FLOORING THROUGHOUT LOWER LEVEL
- 2 RENOVATE ONE EXISTING LOCKER ROOM INTO TWO TOILET ROOMS
- 3 RENOVATE ONE EXISTING LOCKER ROOM INTO STORAGE SPACE
- 4 CONVERT JAIL CELLS INTO STORAGE ROOMS
- 5 REPLACE GUARDRAILS IN STAIRWELL
- 6 REPLACE CARPET IN UPPER LEVEL OFFICES/ CONFERENCE ROOM/ RECEPTION AREA WITH VILLAGE STANDARD CARPET
- 7 REPAIR CRACKED / WATER DAMAGED GYPSUM BOARD WALLS
- 8 REPLACE CEILING TILES IN CONFERENCE ROOM
- 9 RENOVATE RECEPTION AREA
- 10 RENOVATE KITCHEN
- 11 REMOVE EXISTING GYPSUM BOARD CEILING IN SECOND FLOOR CORRIDORS AND OFFICES, AND REPLACE WITH SUSPENDED ACOUSTIC CEILING AND GRID
- 12 REPAIR ROOF LEAKS
- 13 ELEVATOR
- 14 OVERHEAD GARAGE DOOR
- 15 NEW PAVED DRIVEWAY AND CURB
- 16 GARAGE ADDITION
- 17 IDF CLOSET



LOWER LEVEL PLAN



UPPER LEVEL PLAN



ORLAND
PARK

LEGATARCHITECTS

Recreation Administration Storage Masterplan

Option 2A
Interior Renovation

FLOOR PLAN LEGEND

EXISTING EOC - NO WORK	STORAGE	MULTI-PURPOSE ROOM
EXISTING AREA - NO WORK	OFFICE	KITCHEN
CIRCULATION	CONFERENCE ROOM	TOILET ROOM
		RECEPTION

DRAWING NOTES

- REPLACE VCT FLOORING THROUGHOUT LOWER LEVEL
- RENOVATE ONE EXISTING LOCKER ROOM INTO TWO TOILET ROOMS
- RENOVATE ONE EXISTING LOCKER ROOM INTO STORAGE SPACE
- CONVERT JAIL CELLS INTO STORAGE ROOMS
- REPLACE GUARDRAILS IN STAIRWELL
- REPLACE CARPET IN UPPER LEVEL OFFICES/ CONFERENCE ROOM/ RECEPTION AREA WITH VILLAGE STANDARD CARPET
- REPAIR CRACKED / WATER DAMAGED GYPSUM BOARD WALLS
- REPLACE CEILING TILES IN CONFERENCE ROOM
- RENOVATE RECEPTION AREA
- RENOVATE KITCHEN
- REMOVE EXISTING GYPSUM BOARD CEILING IN SECOND FLOOR CORRIDORS AND OFFICES, AND REPLACE WITH SUSPENDED ACOUSTIC CEILING AND GRID
- REPAIR ROOF LEAKS
- ELEVATOR
- OVERHEAD GARAGE DOOR
- NEW PAVED DRIVEWAY AND CURB
- GARAGE ADDITION
- IDF CLOSET



LOWER LEVEL PLAN



UPPER LEVEL PLAN



ORLAND
PARK

LEGAT ARCHITECTS

Recreation Administration Storage Masterplan

Option 2B
Garage Addition with Elevator

FLOOR PLAN LEGEND

EXISTING EOC - NO WORK	STORAGE	MULTI-PURPOSE ROOM
EXISTING AREA - NO WORK	OFFICE	KITCHEN
CIRCULATION	CONFERENCE ROOM	TOILET ROOM
	RECEPTION	

DRAWING NOTES

- 1 REPLACE VCT FLOORING THROUGHOUT LOWER LEVEL
- 2 RENOVATE ONE EXISTING LOCKER ROOM INTO TWO TOILET ROOMS
- 3 RENOVATE ONE EXISTING LOCKER ROOM INTO STORAGE SPACE
- 4 CONVERT JAIL CELLS INTO STORAGE ROOMS
- 5 REPLACE GUARDRAILS IN STAIRWELL
- 6 REPLACE CARPET IN UPPER LEVEL OFFICES/ CONFERENCE ROOM/ RECEPTION AREA WITH VILLAGE STANDARD CARPET
- 7 REPAIR CRACKED / WATER DAMAGED GYPSUM BOARD WALLS
- 8 REPLACE CEILING TILES IN CONFERENCE ROOM
- 9 RENOVATE RECEPTION AREA
- 10 RENOVATE KITCHEN
- 11 REMOVE EXISTING GYPSUM BOARD CEILING IN SECOND FLOOR CORRIDORS AND OFFICES, AND REPLACE WITH SUSPENDED ACOUSTIC CEILING AND GRID
- 12 REPAIR ROOF LEAKS
- 13 ELEVATOR
- 14 OVERHEAD GARAGE DOOR
- 15 NEW PAVED DRIVEWAY AND CURB
- 16 GARAGE ADDITION
- 17 IDF CLOSET



LOWER LEVEL PLAN



UPPER LEVEL PLAN



ORLAND
PARK

LEGAT ARCHITECTS

Estimate of Probable Cost

Village of Orland Park

Facilities and Operations Master Plan - Phase 4: Recreation Administration

Recreation Administration Building - Option 1 - Maintain Existing Spaces

LEGATARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	14555	SF	\$5	\$72,775	
Subtotal:					\$72,775	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	14555	SF	\$50	\$727,750	
Subtotal:					\$727,750	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$800,525	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	5	MO	\$20,000	\$100,000	
2.	General Conditions	6%	%	\$48,032	\$48,032	
3.	Bonds	1.15%	%	\$9,206	\$9,206	
4.	Insurance	0.800	%	\$6,404	\$6,404	
5.	Profit	8%	%	\$64,042	\$64,042	
					\$227,684	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$1,028,209	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	10.00%	%	\$102,821	\$102,821	
					\$102,821	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$154,231	\$154,231	
					\$154,231	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$2,500	\$2,500	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Furniture, Fixtures, and Equipment	5660	SF	\$20	\$113,200	
5.	Informational Technology Equipment	5660	SF	\$3	\$14,150	
					\$131,600	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$1,416,861	

Estimate of Probable Cost

Village of Orland Park

Facilities and Operations Master Plan - Phase 4: Recreation Administration

Recreation Administration Building - Option 2A - Renovate Interior Spaces

LEGATARCHITECTS
DESIGN | PERFORMANCE | SUSTAINABILITY



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	6439	SF	\$5	\$32,195	
2.	Medium Demolition	5568	SF	\$25	\$139,200	
3.	Heavy Demolition	2695	SF	\$50	\$134,750	
Subtotal:					\$306,145	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	6439	SF	\$50	\$321,950	
2.	Medium Interior Remodeling	7663	SF	\$150	\$1,149,450	
3.	Heavy Interior Remodeling	600	SF	\$200	\$120,000	
Subtotal:					\$1,591,400	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$1,897,545	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	7	MO	\$20,000	\$140,000	
2.	General Conditions	6%	%	\$113,853	\$113,853	
3.	Bonds	1.15%	%	\$21,822	\$21,822	
4.	Insurance	0.800	%	\$15,180	\$15,180	
5.	Profit	8%	%	\$151,804	\$151,804	
					\$442,658	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$2,340,203	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	8.50%	%	\$198,917	\$198,917	
					\$198,917	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$351,031	\$351,031	
					\$351,031	
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$2,500	\$2,500	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Furniture, Fixtures, and Equipment	5781	SF	\$20	\$115,620	
5.	Informational Technology Equipment	5781	SF	\$3	\$14,453	
					\$134,323	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$3,024,474	

Recreation Administration Storage Masterplan

Cost Estimate

Option 1
Maintain Existing Spaces

Option 2A
Renovate Interior Spaces



ORLAND
PARK

LEGATARCHITECTS

Estimate of Probable Cost

Village of Orland Park

Facilities and Operations Master Plan - Phase 4: Recreation Administration

Recreation Administration Building - Option 2B - Interior Renovations / Addition + Elevator



ORLAND PARK

ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	3893	SF	\$5	\$19,465	
2.	Medium Demolition	8122	SF	\$25	\$203,050	
3.	Heavy Demolition	2695	SF	\$50	\$134,750	
Subtotal:					\$357,265	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	3893	SF	\$50	\$194,650	
2.	Medium Interior Remodeling	10217	SF	\$150	\$1,532,550	
3.	Heavy Interior Remodeling	600	SF	\$200	\$120,000	
Subtotal:					\$1,847,200	
SPECIALTY CONSTRUCTION						
1.	2 Stop Hydraulic Elevator	1	EA	\$185,000	\$185,000	
Subtotal:					\$185,000	
NEW SITEWORK CONSTRUCTION COSTS						
1.	Medium Sitework Construction Costs	0.06	ACRE	\$225,000	\$14,013	
Subtotal:					\$14,013	
NEW CONSTRUCTION COSTS						
1.	Light New Construction Costs	1431	SF	\$250	\$357,750	
Subtotal:					\$357,750	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$2,761,228	

ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	9	MO	\$20,000	\$180,000	
2.	General Conditions	6%	%	\$165,674	\$165,674	
3.	Bonds	1.15%	%	\$31,754	\$31,754	
4.	Insurance	0.800	%	\$22,090	\$22,090	
5.	Profit	8%	%	\$220,898	\$220,898	
					\$620,416	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$3,381,644	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	8.00%	%	\$270,532	\$270,532	
					\$270,532	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$507,247	\$507,247	
					\$507,247	
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$2,500	\$2,500	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$2,500	\$2,500	
5.	Partial Topographic Survey	1	LS	\$2,000	\$2,000	
6.	Geotechnical Investigation / Soil Borings	1	LS	\$1,500	\$1,500	
7.	Furniture, Fixtures, and Equipment	5951	SF	\$20	\$119,020	
8.	Informational Technology Equipment	5951	SF	\$3	\$14,878	
					\$144,148	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$4,303,570	

Recreation
Administration
Storage
Masterplan

Cost Estimate

Option 2B
Garage Addition with
Elevator



ORLAND
PARK



ORLAND
PARK

Facilities and Operations Master Plan:
Phase 4
Public Works Department Masterplan

LEGATARCHITECTS



ORLAND
PARK

LEGATARCHITECTS

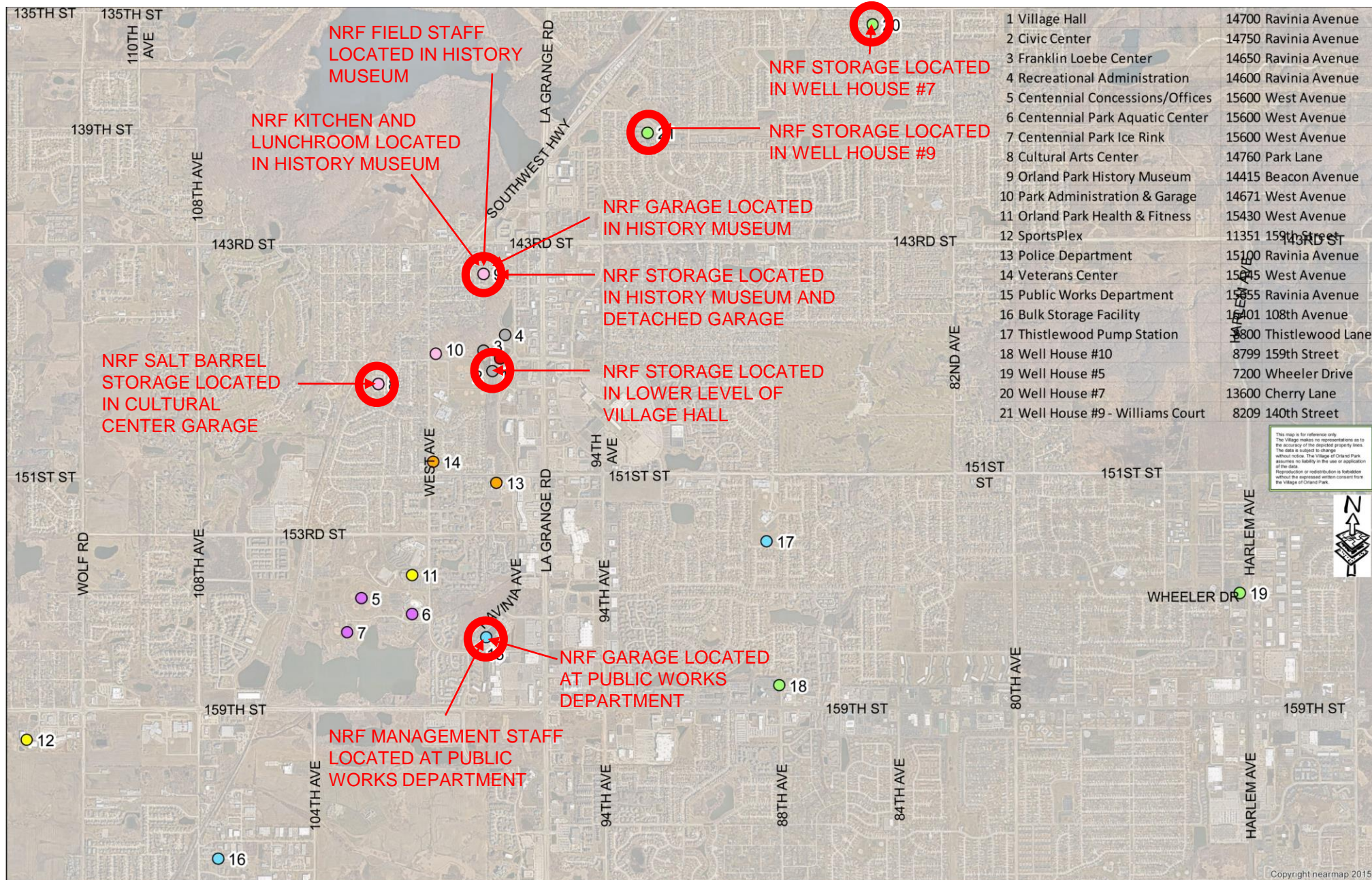


Public Works Department Masterplan

Existing Public Works Site



LEGATARCHITECTS



Public Works Department Masterplan

NRF Staff and Equipment Dispersed Throughout Village





Public Works
Department
Masterplan

Design Charrette
Public Works Department
Space Needs



NRF Equipment	Depth (ft)	Width (ft)	Number of spaces	TAG	Streets Equipment	Length (ft)	Width (ft)	Number of Spaces	TAG	Water Equipment	Length (ft)	Width (ft)	Number of Spaces	TAG
4493 - 2003 DITCH 410SX					5102 - 2009 TURBO TURF ICS300E					6125 - 1994 RAMMAR S-25				
4105 - 2016 ALAMO SHD88CTRCC					5125 - 2006 BOBCAT 723FL	30'	10'	1	ST-1	6118 - 1990 SULAIR 1750	30'	10'	1	UT-1
4216 - 2015 MCMILLEN X2475 Skidsteer Auger	30'	10'	1	NRF-1	5195 - 2021 TORO TX1000	30'	12'	1	ST-2	6127 - 1995 DITCH 1820				
4247 - 2017 BOBCAT 66					5101 - 2014 CAT 924K	30'	8'	2	ST-3	6178 - 2019 WORKHORSE JAI-600WH				
4590 - 2021 GENIE GS4046	10'	5'	1	NRF-2	5226 - 2016 FORD TRANSITCONNECT	16'				6120 - 2004 NEWHOLLAND LB75B	30'	12'	2	UT-2
5136 - 2001 CARLTON 2400-4					5354 - 2018 FORD TRANSIT					6166 - 2015 NEWHOLLAND B95C				
5135 - 2000 MORBARK 13	30'	10'	1	NRF-3	5202 - 2019 FORD F250					6167 - 2020 KUBOTA K008-3	30'	12'	1	UT-3
5166 - 2013 MORBARK M18RX					5204 - 2012 FORD F250					6168 - 2020 KUBOTA KX080-4S	28'	12'	1	UT-4
4127 - 2003 CAT IT28	28'	12'	1	NRF-4	5207 - 2012 FORD F250					6011 - 2012 FORD FOCUS	16'	8'	1	UT-5
4402 - 2014 FORD POLICEINTERCEPTOR	18'	8'	1	NRF-5	5208 - 2012 FORD F250					6001 - 2011 FORD E250				
4450 - 2021 FORD F450					5665 - 2012 FORD F250					6064 - 2010 FORD E250				
4338 - 2017 FORD F350					5206 - 2017 FORD F450 SUPER DUTY	30'	10'	11	ST-4	6008 - 2011 FORD F150				
4339 - 2014 FORD F250					5228 - 2017 FORD F450 SUPER DUTY					6017 - 2016 FORD F250				
4351 - 2012 FORD F250					5230 - 2017 FORD F450 SUPER DUTY					6024 - 2014 FORD F350	30'	10'	9	UT-6
4355 - 2012 FORD F250					5241 - 2014 FORD F550					6044 - 2012 FORD F550				
4357 - 2012 FORD F250					5243 - 2014 FORD F550					6063 - 2014 FORD F350				
4361 - 2019 FORD F250	30'	10'	12	NRF-6	5246 - 2017 FORD F550					6065 - 2014 FORD F350				
4304 - 2019 FORD F450					5221 - 2017 FORD ESCAPE	16'	8'	1	ST-5	6066 - 2019 FORD F450				
4350 - 2015 FORD F550					5209 - 2012 INTERNATIO WORKSTAR7400					6010 - 2008 GMC SAVANA				
4365 - 2012 FORD F550					5211 - 2019 INTERNATIO WORKSTAR7400					6027 - 2008 GMC 2500HD				
4372 - 2012 FORD F550					5215 - 2012 INTERNATIO WORKSTAR7400					6053 - 2003 CHEVROLET SILVERADO 2500HD	25'	10'	5	UT-7
4391 - 2019 FORD F450					5223 - 2015 INTERNATIO WORKSTAR7400					6068 - 2009 CHEVROLET 2500HD				
5237 - 2004 FORD F750					5240 - 2017 INTERNATIO WORKSTAR7400	40'	12'	9	ST-6	6093 - 2010 CHEVROLET EXPRESS3500				
4502 - 2021 MORBARK 2131_TA	55'	12'	1	NRF-7	5269 - 2015 INTERNATIO WORKSTAR7400					6002 - 2003 WORKHORSE STEPVAN	32'	12'	1	UT-8
4410 - 2014 CHEVROLET EXPRESS					5276 - 2018 INTERNATIO WORKSTAR7500					6078 - 2016 FREIGHTLINER 114SD	45'	12'	1	UT-9
4415 - 2013 CHEVROLET EXPRESS					5280 - 2019 INTERNATIO WORKSTAR7400					6018 - 2020 INTERNATIO HV607				
4418 - 2013 CHEVROLET EXPRESS					5282 - 2019 INTERNATIO WORKSTAR7400					6084 - 2016 INTERNATIO WORKSTAR7400	40'	12'	3	UT-10
4441 - 2007 GMC SAVANA					5279 - 2018 FREIGHTLIN M2-106	30'	12'	1	ST-7	6085 - 2015 INTERNATIO WORKSTAR7400				
4445 - 2016 CHEVROLET EXPRESS3500	25'	10'	8	NRF-8	PCMS1 - 2011 VERMAC PCMS1500					6101 - 1999 NEWHOLLAND LX865	16'	8'	1	UT-11
4475 - 2015 CHEVROLET EXPRESS					PCMS2 - 2011 VERMAC PCMS1500					TL6105 - 1996 KARAVAN TRAILER				
4352 - 2008 CHEVROLET 2500HD					PCMS3 - 2011 VERMAC PCMS1500	30'	8'	3	ST-8	TL6114 - 1997 BEAVER OW-20	26'	10'	4	UT-12
4439 - 2008 GMC SIERRA					PCMS4 - 2011 VERMAC PCMS1500					TL6178 - 2019 PJTRAILERS 47712				
4342 - 2017 INTERNATIO WORKSTAR7400	36'	12'	1	NRF-9	5138 - 2002 SOLAR TECH AB0715D					TL6106 - 2004 BEAVER OW-20	16'	7'	1	UT-13
4171 - 2000 WACKER RD11A					5139 - 2002 SOLAR TECH AB0715D					6132 - 1998 TORO 3300-D				
4115 - 2020 JOHNDEERE 333G					5164 - 2012 WACCO WTSP					Total 40			31	
4162 - 2013 NEWHOLLAND C227	15'	8'	5	NRF-10	5203 - 2005 STERLING L7501									
4146 - 2000 NEWHOLLAND TC33D					5205 - 2004 STERLING L7501									
4501 - 2021 VERMEER SC802					5216 - 2002 STERLING L7501									
TL4130 - 2020 GENIE TZ50	26'	12'	1	NRF-11	5225 - 2002 STERLING L7501									
TL4102 - 1990 DYNAWELD SSLIA					5229 - 2002 STERLING L7501									
TL4104 - 2017 KEMCO U-12					5231 - 2002 STERLING L7501									
TL4113 - 1993 REDIHAUL RH12TBS					5248 - 2002 STERLING L7501	40'	12'	12	ST-9					
TL4115 - 1998 REDIHAUL FSL14					5256 - 2002 STERLING L7501									
TL4116 - 1998 REDIHAUL FSL14	26'	10'	8	NRF-12	5258 - 2002 STERLING L7501									
TL4121 - 2007 BEAVER OW-20					5262 - 2002 STERLING L7501									
TL4123 - 2007 BEAVER SD16					5277 - 2002 STERLING L7501									
TL4151 - 2016 CARGOMATE EHW712TA2					5281 - 2002 STERLING L7501									
TL4188 - 2013 CARGOMATE BL716TA2					5236 - 2003 STERLING LT8500									
TL4401 - 2022 FELLING FT-A6IT-100788					5127 - 1999 WACKER RD11A									
4117 - 2013 CLUB CAR CARRYALL 272	11'	5'	1	NRF-13	5194 - 2021 WACKER RD12A	30'	10'	1	ST-10					
Total 53			42		5109 - 1993 NEWHOLLAND L-785									
					5113 - 2003 NEWHOLLAND LS 170									
					TL5104 - 1989 STOW T3000									
					TL5107 - 2002 REDIHAUL RH 12TBE									
					TL5120 - 2007 BEAVER LM-14									
					TL5136 - 2001 JB ENTERP 05/10 HARG									
					TL5102 - 1994 REDIHAUL FSL14HE	26'	10'	9	ST-11					
					TL5109 - 2009 LOADTRAIL TD8120									
					TL5119 - 2004 BEAVER LM-12									
					TL5125 - 2018 CARGOMATE BL716TA2									
					TL5118 - 1987 DYNAWELD 24TE									
					Total 66			51						

Public Works Department Masterplan

Public Works Vehicle List

31 UTILITIES VEHICLES



ORLAND
PARK

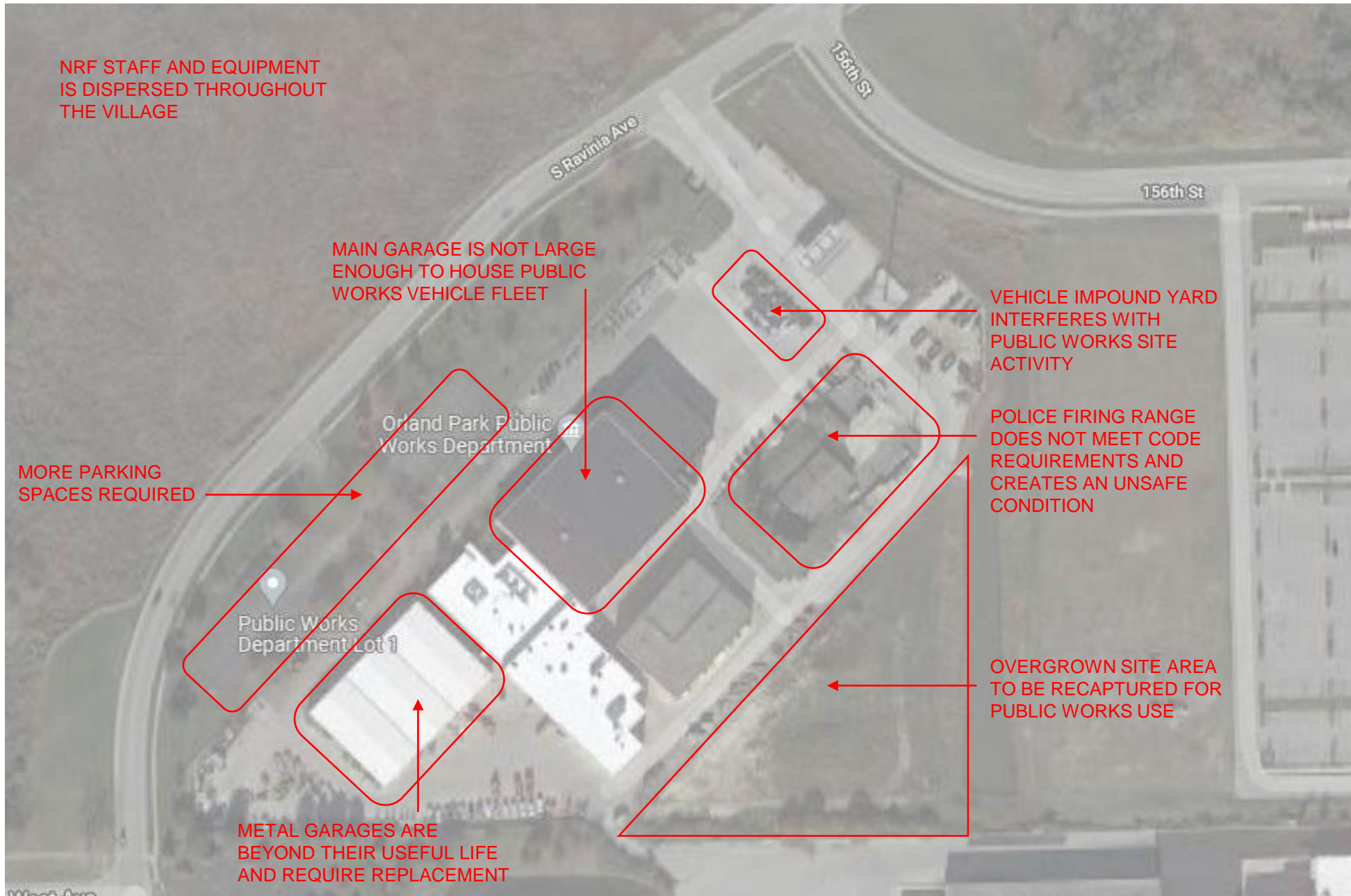
LEGATARCHITECTS



Public Works Department Masterplan

Unsafe Shooting Range on
Public Works Site





Public Works Department Masterplan

Public Works Site/Building Deficiencies



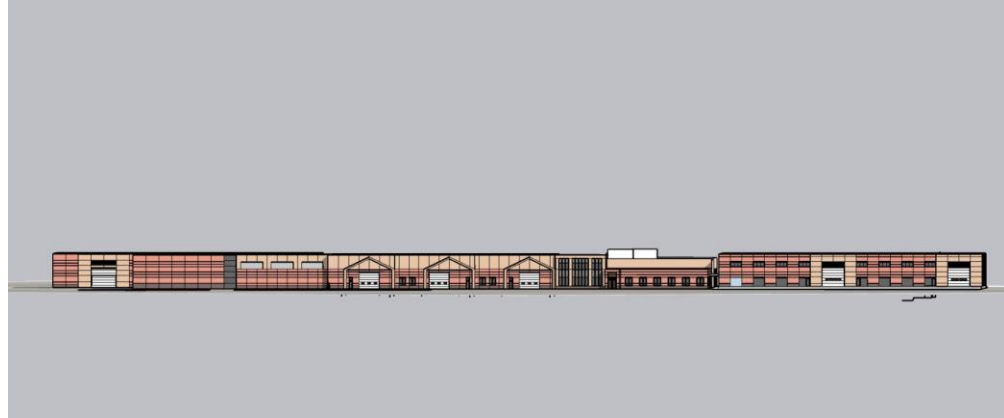
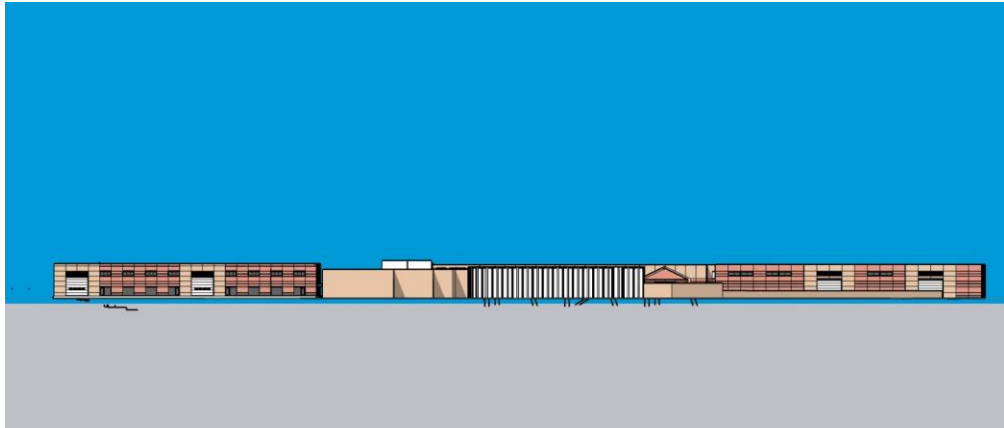


- CIRCULATION
- MEETING ROOM
- LAUNDRY
- MEN'S LOCKER ROOM
- WOMEN'S LOCKER ROOM
- UNISEX LOCKER ROOM
- OFFICE
- RECEPTION / ADMINISTRATION
- STAFF LOUNGE / BREAK ROOM
- STORAGE
- SALT STORAGE
- TOILET ROOM
- TOOL STORAGE
- WORKROOM
- EXISTING AREA RENOVATION
- EXISTING AREA (NO WORK)
- GARAGE (NEW CONSTRUCTION)
- LOADING DOCK
- NRF VEHICLE PARKING
- STREETS VEHICLE PARKING
- UTILITIES VEHICLE PARKING
- GREENSPACE
- PAVEMENT - ASPHALT
- PAVEMENT - DECORATIVE
- MATERIAL STORAGE BINS

Public Works Department Masterplan

Option 1
Detached NRF Building





Public Works Department Masterplan

Option 1
Detached NRF Building



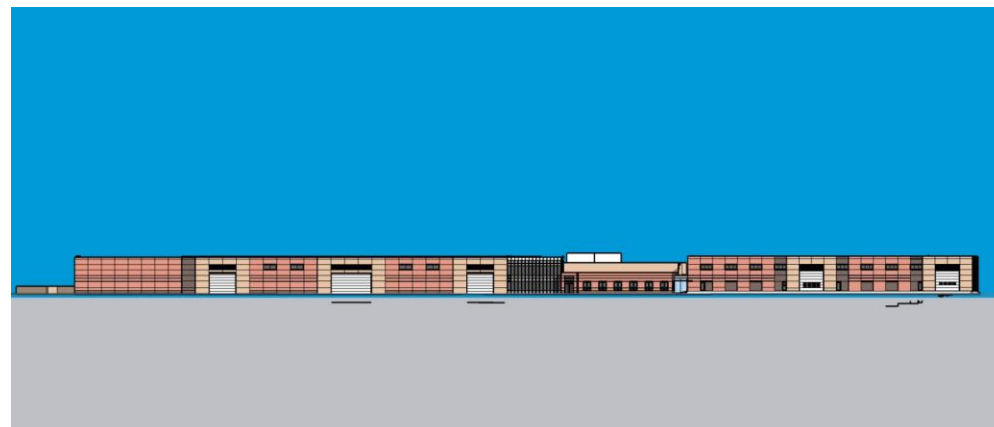
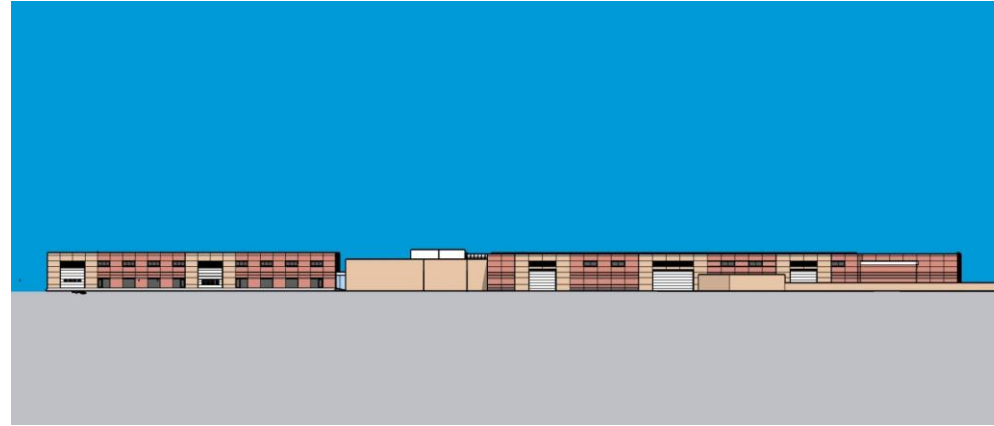


- CIRCULATION
- MEETING ROOM
- LAUNDRY
- MEN'S LOCKER ROOM
- WOMEN'S LOCKER ROOM
- UNISEX LOCKER ROOM
- OFFICE
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- STAFF LOUNGE / BREAK ROOM
- STORAGE
- SALT STORAGE
- TOILET ROOM
- TOOL STORAGE
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- EXISTING AREA RENOVATION
- EXISTING AREA (NO WORK)
- GARAGE (NEW CONSTRUCTION)
- LOADING DOCK
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- STREETS VEHICLE PARKING
- UTILITIES VEHICLE PARKING
- GREENSPACE
- PAVEMENT - ASPHALT
- PAVEMENT - DECORATIVE
- MATERIAL STORAGE BINS

Public Works Department Masterplan

Option 2
Attached NRF Building



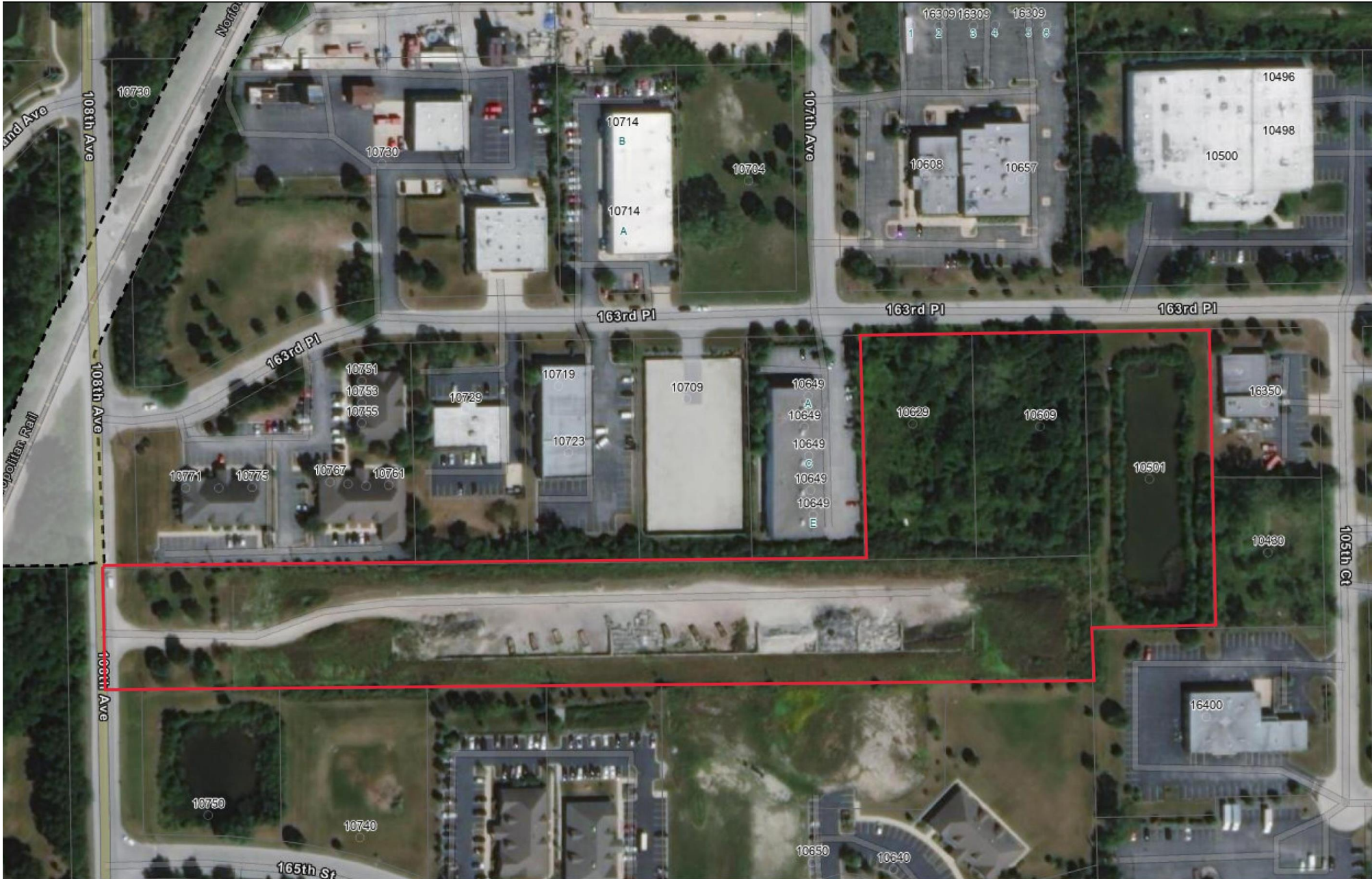


Public Works Department Masterplan

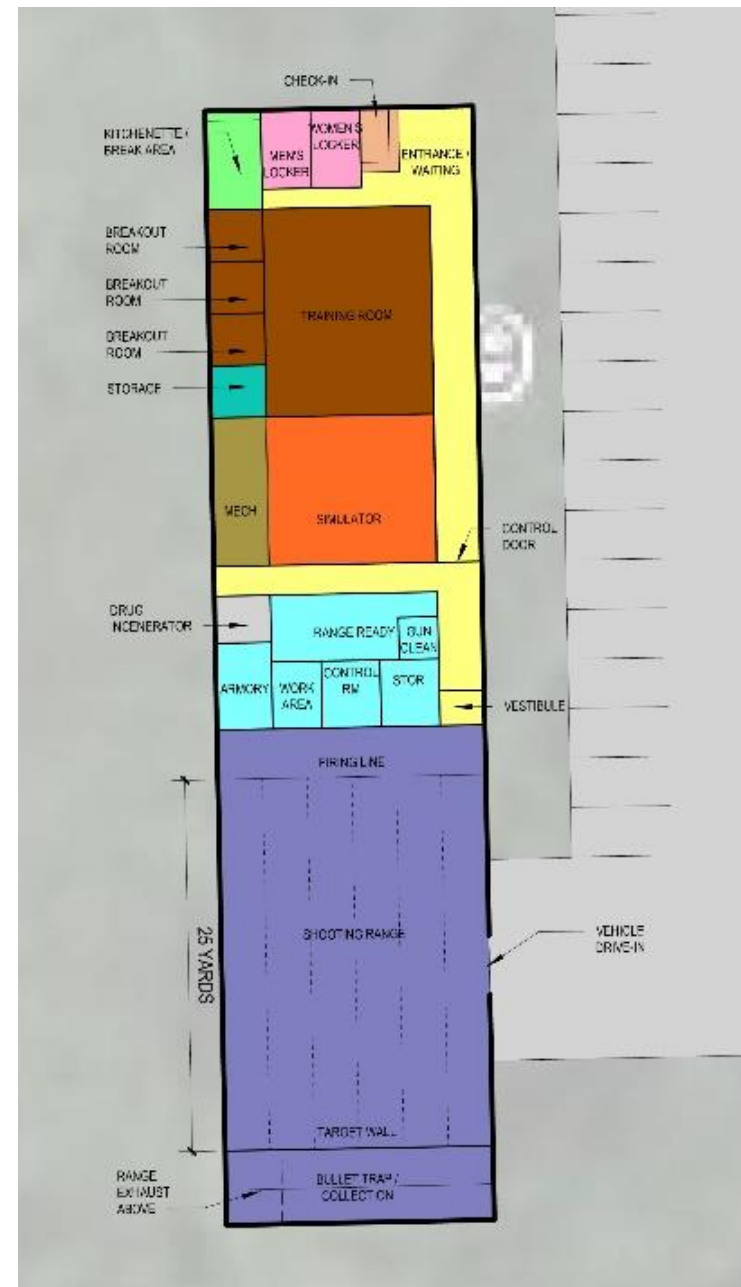
Option 2
Attached NRF Building



Temporary Bulk Storage Facility Site and Adjacent Lots



LEGATARCHITECTS



Public Works Masterplan

Proposed Relocation of Shooting Range and Vehicle Impound Yard





- CIRCULATION
- MEETING ROOM
- LAUNDRY
- MEN'S LOCKER ROOM
- WOMEN'S LOCKER ROOM
- UNISEX LOCKER ROOM
- OFFICE
- RECEPTION / ADMINISTRATION
- STAFF LOUNGE / BREAK ROOM
- STORAGE
- SALT STORAGE
- TOILET ROOM
- TOOL STORAGE
- WORKROOM
- EXISTING AREA RENOVATION
- EXISTING AREA (NO WORK)
- GARAGE (NEW CONSTRUCTION)
- LOADING DOCK
- NRF VEHICLE PARKING
- STREETS VEHICLE PARKING
- UTILITIES VEHICLE PARKING
- GREENSPACE
- PAVEMENT - ASPHALT
- PAVEMENT - DECORATIVE
- MATERIAL STORAGE BINS

▶ Public Works Department Masterplan

Option 2A
Attached NRF Building
With Shooting Range



Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 3: Public Works Master Plan
Public Works - Option 1 - Standalone NRF Facility / Streets Addition



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
BUILDING DEMOLITION						
1.	Existing Building Demolition	23017	SF	\$20	\$460,340	
2.	Existing Firing Range Demolition	4800	SF	\$10	\$48,000	
Subtotal:					\$508,340	
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	5954	SF	\$5	\$29,770	
2.	Light Demolition	668	SF	\$10	\$6,680	
3.	Medium Demolition	8122	SF	\$25	\$203,050	
4.	Heavy Demolition	846	SF	\$50	\$42,300	
Subtotal:					\$281,800	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	5954	SF	\$50	\$297,700	
2.	Light Interior Remodeling	668	SF	\$100	\$66,800	
3.	Medium Interior Remodeling	8122	SF	\$150	\$1,218,300	
4.	Heavy Interior Remodeling	846	SF	\$200	\$169,200	
Subtotal:					\$1,752,000	
NEW SITEWORK CONSTRUCTION COSTS						
1.	Light Sitework Construction Costs	2.68	ACRE	\$125,000	\$335,310	
2.	Medium Sitework Construction Costs	2.99	ACRE	\$225,000	\$673,094	
Subtotal:					\$1,008,404	
NEW CONSTRUCTION COSTS						
1.	Moderate New Construction Costs	17063	SF	\$100	\$1,706,300	Weight Scale / Sheds
2.	Light New Construction Costs	8943	SF	\$250	\$2,235,750	
3.	Medium New Construction Costs	53266	SF	\$300	\$15,979,800	
4.	Heavy New Construction Costs	700	SF	\$400	\$280,000	
Subtotal:					\$20,201,850	

ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$23,752,394	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	14	MO	\$20,000	\$280,000	
2.	General Conditions	6%	%	\$1,425,144	\$1,425,144	
3.	Bonds	1.15%	%	\$273,153	\$273,153	
4.	Insurance	0.800	%	\$190,019	\$190,019	
5.	Profit	8%	%	\$1,900,192	\$1,900,192	
					\$4,068,507	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$27,820,901	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	7.00%	%	\$1,947,463	\$1,947,463	
					\$1,947,463	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$4,173,135	\$4,173,135	
					\$4,173,135	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$8,000	\$8,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$35,000	\$35,000	
5.	Topographic Survey	1	LS	\$18,000	\$18,000	
6.	Geotechnical Investigation / Soil Borings	1	LS	\$8,500	\$8,500	
7.	Furniture, Fixtures, and Equipment	10386	SF	\$20	\$207,720	
8.	Audio/Visual Equipment	1	LS	\$10,000	\$10,000	
9.	Informational Technology Equipment	10386	SF	\$3	\$31,158	
10.	Landscaping Allowance	1	AL	\$45,000	\$45,000	
					\$365,128	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$34,306,628	

Public Works Masterplan

Cost Estimate

Option 1
Standalone NRF Facility



Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 3: Public Works Master Plan
Public Works - Option 2A - Fleet Storage Addition / NRF Addition



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
BUILDING DEMOLITION						
1.	Existing Building Demolition	35958	SF	\$20	\$719,160	
2.	Existing Firing Range Demolition	4800	SF	\$10	\$48,000	
Subtotal:					\$767,160	
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	5954	SF	\$5	\$29,770	
2.	Light Demolition	668	SF	\$10	\$6,680	
3.	Medium Demolition	8122	SF	\$25	\$203,050	
4.	Heavy Demolition	1314	SF	\$50	\$65,700	
Subtotal:					\$305,200	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	5954	SF	\$50	\$297,700	
2.	Light Interior Remodeling	668	SF	\$100	\$66,800	
3.	Medium Interior Remodeling	8122	SF	\$150	\$1,218,300	
4.	Heavy Interior Remodeling	1314	SF	\$200	\$262,800	
Subtotal:					\$1,845,600	
NEW SITEWORK CONSTRUCTION COSTS						
1.	Light Sitework Construction Costs	2.68	ACRE	\$125,000	\$335,310	
2.	Medium Sitework Construction Costs	2.75	ACRE	\$225,000	\$618,683	
Subtotal:					\$953,993	
NEW CONSTRUCTION COSTS						
1.	Moderate New Construction Costs	17063	SF	\$100	\$1,706,300	Weight Scale / Sheds
2.	Light New Construction Costs	10894	SF	\$250	\$2,723,500	
3.	Medium New Construction Costs	66734	SF	\$300	\$20,020,200	
Subtotal:					\$24,450,000	

ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$28,321,953	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	15	MO	\$20,000	\$300,000	
2.	General Conditions	6%	%	\$1,699,317	\$1,699,317	
3.	Bonds	1.15%	%	\$325,702	\$325,702	
4.	Insurance	0.800	%	\$226,576	\$226,576	
5.	Profit	8%	%	\$2,265,756	\$2,265,756	
					\$4,817,352	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$33,139,305	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	7.00%	%	\$2,319,751	\$2,319,751	
					\$2,319,751	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$4,970,896	\$4,970,896	
					\$4,970,896	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$9,000	\$9,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$30,000	\$30,000	
5.	Topographic Survey	1	LS	\$18,000	\$18,000	
6.	Geotechnical Investigation / Soil Borings	1	LS	\$8,500	\$8,500	
7.	Furniture, Fixtures, and Equipment	8657	SF	\$20	\$173,140	
8.	Audio/Visual Equipment	1	LS	\$10,000	\$10,000	
9.	Informational Technology Equipment	1	AL	\$7,500	\$7,500	
10.	Landscaping Allowance	1	AL	\$35,000	\$35,000	
					\$292,890	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$40,722,842	

Public Works Masterplan

Cost Estimate

Option 2A
Attached NRF Facility



Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 3: Public Works Master Plan
Public Works - Option 2B - Fleet Storage Addition / NRF Addition with Firing Range



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
BUILDING DEMOLITION						
1.	Existing Building Demolition	35958	SF	\$20	\$719,160	
Subtotal:					\$719,160	
INTERIOR DEMOLITION COSTS						
1.	Moderate Demolition	5954	SF	\$5	\$29,770	
2.	Light Demolition	668	SF	\$10	\$6,680	
3.	Medium Demolition	8122	SF	\$25	\$203,050	
4.	Heavy Demolition	1314	SF	\$50	\$65,700	
Subtotal:					\$305,200	
INTERIOR REMODELING CONSTRUCTION COSTS						
1.	Moderate Interior Remodeling	5954	SF	\$50	\$297,700	
2.	Light Interior Remodeling	668	SF	\$100	\$66,800	
3.	Medium Interior Remodeling	8122	SF	\$150	\$1,218,300	
4.	Heavy Interior Remodeling	1314	SF	\$200	\$262,800	
Subtotal:					\$1,845,600	
NEW SITEWORK CONSTRUCTION COSTS						
1.	Moderate Sitework Construction Costs	0.00	ACRE	\$50,000	\$0	
2.	Light Sitework Construction Costs	2.68	ACRE	\$125,000	\$335,310	
3.	Medium Sitework Construction Costs	2.69	ACRE	\$225,000	\$604,602	
4.	Heavy Sitework Construction Costs	0.00	ACRE	\$400,000	\$0	
Subtotal:					\$939,913	

ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
NEW CONSTRUCTION COSTS						
1.	Moderate New Construction Costs	17063	SF	\$100	\$1,706,300	Weight Scale / Sheds
1.	Light New Construction Costs	10894	SF	\$250	\$2,723,500	
3.	Medium New Construction Costs	63555	SF	\$300	\$19,066,500	
4.	Heavy New Construction Costs	0	SF	\$400	\$0	
Subtotal:					\$23,496,300	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$27,306,173	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	15	MO	\$20,000	\$300,000	
2.	General Conditions	6%	%	\$1,638,370	\$1,638,370	
3.	Bonds	1.15%	%	\$314,021	\$314,021	
4.	Insurance	0.800	%	\$218,449	\$218,449	
5.	Profit	8%	%	\$2,184,494	\$2,184,494	
					\$4,655,335	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$31,961,507	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	7.00%	%	\$2,237,306	\$2,237,306	
					\$2,237,306	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$4,794,226	\$4,794,226	
					\$4,794,226	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$9,000	\$9,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$29,000	\$29,000	
5.	Topographic Survey	1	LS	\$18,000	\$18,000	
6.	Geotechnical Investigation / Soil Borings	1	LS	\$8,500	\$8,500	
7.	Furniture, Fixtures, and Equipment	8657	SF	\$20	\$173,140	
8.	Audio/Visual Equipment	1	LS	\$10,000	\$10,000	
9.	Informational Technology Equipment	1	AL	\$7,500	\$7,500	
10.	Landscaping Allowance	1	AL	\$35,000	\$35,000	
					\$291,890	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$39,284,929	

Public Works Masterplan

Cost Estimate

Option 2B
Attached NRF Facility with
Shooting Range



Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 2: Space Needs Analysis
Police Department: Firing Range



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
NEW SITEWORK CONSTRUCTION COSTS						
1.	Medium Sitework Construction Costs	1.92	ACRE	\$225,000	\$431,860	Includes Sculpting Out Detention Pond Volume
Subtotal:					\$431,860	
NEW CONSTRUCTION COSTS						
1.	Medium New Construction Costs	6780	SF	\$300	\$2,034,000	
2.	Heavy New Construction Costs	5425	SF	\$400	\$2,170,000	
Subtotal:					\$4,204,000	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$4,635,860	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	12	MO	\$20,000	\$240,000	
2.	General Conditions	6%	%	\$278,152	\$278,152	
3.	Bonds	1.15%	%	\$53,312	\$53,312	
4.	Insurance	0.800	%	\$37,087	\$37,087	
5.	Profit	8%	%	\$370,869	\$370,869	
					\$979,420	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$5,615,279	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	8.00%	%	\$449,222	\$449,222	
					\$449,222	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$842,292	\$842,292	
					\$842,292	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$5,000	\$5,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$2,500	\$2,500	
4.	Construction Material Testing Allowance	1	LS	\$20,000	\$20,000	
5.	Topographic Survey	1	LS	\$7,500	\$7,500	
6.	Geotechnical Investigation / Soil Borings	1	LS	\$4,000	\$4,000	
7.	Furniture, Fixtures, and Equipment	2556	SF	\$20	\$51,120	Includes Target System in Range
8.	Audio/Visual Equipment	1	AL	\$300,000	\$300,000	Includes Firearms Simulator
9.	Informational Technology Equipment	12205	SF	\$3	\$30,513	
10.	Landscaping Allowance	1	AL	\$20,000	\$20,000	
					\$441,633	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$7,348,426	

Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 2: Space Needs Analysis
Police Department: Vehicle Impound



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
NEW SITEWORK CONSTRUCTION COSTS						
1.	Light Sitework Construction Costs	1.87	ACRE	\$125,000	\$233,233	Includes Sculpting Out Detention Pond Volume
Subtotal:					\$233,233	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$233,233	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	4	MO	\$20,000	\$80,000	
2.	General Conditions	6%	%	\$13,994	\$13,994	
3.	Bonds	1.15%	%	\$2,682	\$2,682	
4.	Insurance	0.800	%	\$1,866	\$1,866	
5.	Profit	8%	%	\$18,659	\$18,659	
					\$117,201	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$350,434	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	10.00%	%	\$35,043	\$35,043	
					\$35,043	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$52,565	\$52,565	
					\$52,565	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$1,000	\$1,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$3,500	\$3,500	
5.	Topographic Survey	1	LS	\$7,500	\$7,500	
6.	Geotechnical Investigation / Soil Borings	1	LS	\$2,000	\$2,000	
7.	Landscaping Allowance	1	AL	\$10,000	\$10,000	
					\$25,750	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$463,792	

Public Works Masterplan

Cost Estimate

Shooting Range and Impound Yard



ORLAND
PARK

LEGAT ARCHITECTS

Estimate of Probable Cost

Village of Orland Park
Facilities and Operations Master Plan - Phase 2: Space Needs Analysis
Public Works: Bulk Storage Roof Structure



ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
NEW CONSTRUCTION COSTS						
1.	Moderate New Construction Costs	18785	SF	\$100	\$1,878,500	Covers +/- 60% of Storage Bins
2.	Light New Construction Costs	0	SF	\$250	\$0	
3.	Medium New Construction Costs	0	SF	\$300	\$0	
4.	Heavy New Construction Costs	0	SF	\$400	\$0	
Subtotal:					\$1,878,500	
TRADE CONTRACTOR CONSTRUCTION COSTS:					\$1,878,500	
CONTRACTOR'S COSTS						
1.	Full-Time Site Supervision	2	MO	\$20,000	\$40,000	
2.	General Conditions	6%	%	\$112,710	\$112,710	
3.	Bonds	1.15%	%	\$21,603	\$21,603	
4.	Insurance	0.800	%	\$15,028	\$15,028	
5.	Profit	8%	%	\$150,280	\$150,280	
					\$339,621	
CONSTRUCTION COST, GENERAL CONDITIONS, & O.H. / PROFIT:					\$2,218,121	
ARCHITECTURAL / MECHANICAL / ELECTRICAL / TECHNOLOGY & SECURITY / PLUMBING ENGINEERING FEES						
1.	Estimated A/E Fees	10.00%	%	\$221,812	\$221,812	
					\$221,812	
DESIGN / BIDDING / CONSTRUCTION CONTINGENCIES						
1.	Design / Bidding / Construction Contingencies (15%)	15%	%	\$332,718	\$332,718	
					\$332,718	
ITEM NO.	WORK ITEM DESCRIPTION	CALCULATIONS			TOTAL COST	COMMENTS
		QUANTITY	UNITS	UNIT COST		
OWNER COSTS						
1.	Printing of Bid Documents	1	LS	\$1,000	\$1,000	
2.	Advertisement of Bids	1	LS	\$1,000	\$1,000	
3.	Legal Fees	1	LS	\$750	\$750	
4.	Construction Material Testing Allowance	1	LS	\$2,000	\$2,000	
					\$4,750	
TOTAL ESTIMATE OF PROBABLE PROJECT COST:					\$2,777,401	

Public Works Masterplan

Cost Estimate

Roof Structure Over Bulk Storage Bins



THANK YOU

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