NDSP Project Update

Presentation to the Correctional Facility Review Committee

Criminal Justice Institute January 29, 2008





Criminal Justice Institute Team Presenters

- George Camp, Criminal Justice Institute
- Lou Ragozzino, Louis Berger Group
- Jeff Buck, DMJM Design





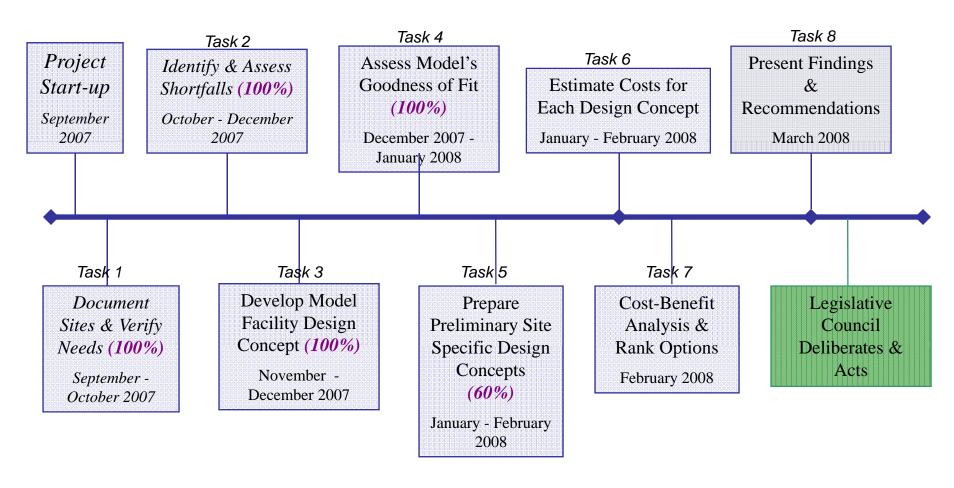
Meeting Agenda

- Update Project Schedule
- Review Project Objective and Provide Perspective
- Apply the Conceptual Model of a 1,085 bed facility to the Penitentiary site, and to four alternative sites.
- Apply the Conceptual Model to NDSP the Reuse Option.
- Discussion Questions and Answers





Project Task Timeline







North Dakota Corrections

- Project Objective: Determine the most effective and cost-efficient option for meeting the needs and requirements of 1,000 NDSP/MRCC inmates.
- Just One Piece of the Correctional Pie: North
 Dakota has many other significant ongoing
 initiatives to meet its entire range of objectives.
 - Probation & Parole
 - Non-traditional, non-institutional confinement
 - Contracting for Female Offenders
 - Juvenile Offender Programs





A Balanced Approach to Corrections

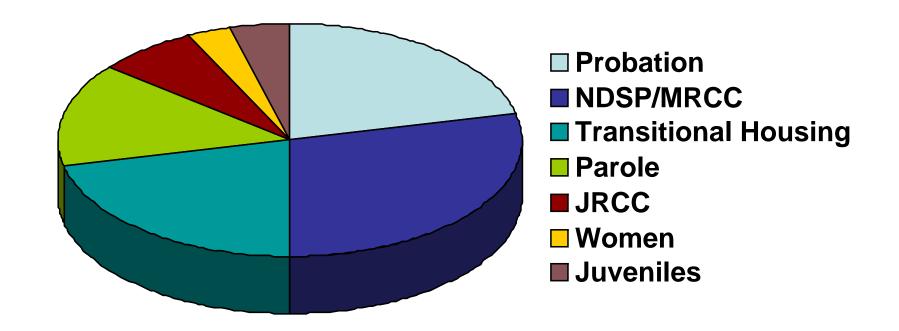
Facts to Bear in Mind

- The number of <u>probationers</u> has increased from 2,756 at the end of 1999 to 4,490 near the end of 2007;
- The number of inmates in <u>community corrections programs</u> has increased from 59 in 1999 to **236** at the end of last year;
- The number of male <u>transitional housing beds</u> are anticipated to increase by 35 (from 105 to **140** between now and July 1, 2009.
- North Dakota's <u>female incarceration rate</u> is **214** (per 100,000 female residents), one of the lowest in the country (Only three states were lower ME, NH, and RI.).
- North Dakota's <u>male incarceration rate</u> is 377 (per 100,000 male residents), one of the lowest in the country (Only two states were lower -ME and MN.)
- North Dakota has <u>not built any new prison beds</u> since 1992 when new beds were built at MRCC, and has not constructed any high security segregation beds for approximately 50 years.





Overview: Putting North Dakota Corrections in Perspective





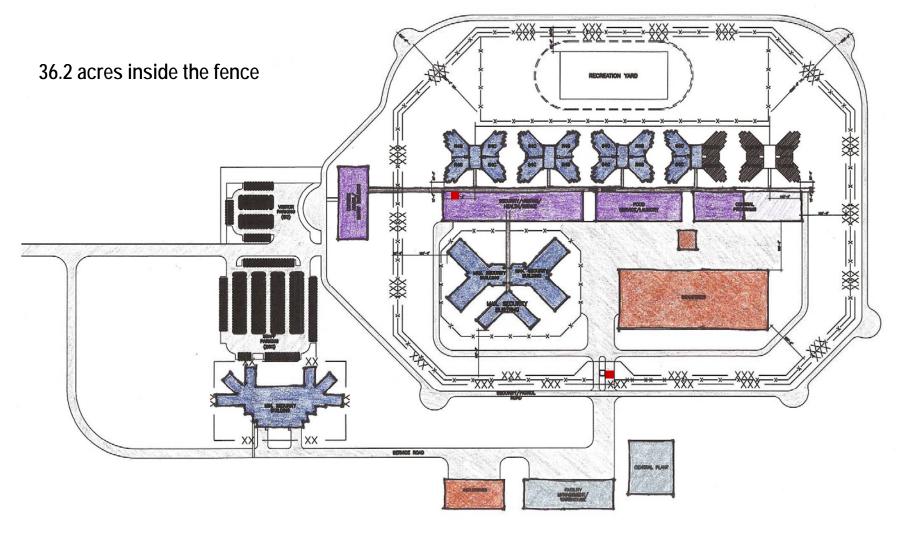
Today's Presentation

- <u>Current Task</u>: Based on the spaces required and configurations developed in the Model Program, as well as knowledge gained from assessing potential sites, determine how well the Model Program fits on each site.
 - Apply the Conceptual Model to five sites (Two of the Three Options)
 - MRCC
 - Landfill
 - Airport
 - Sunny Farm; and to the
 - Penitentiary;
 - Modify the Conceptual Model to Maximize Use of Existing NDSP Buildings and Housing (Third Option)





Recall: Initial Site Development Concept









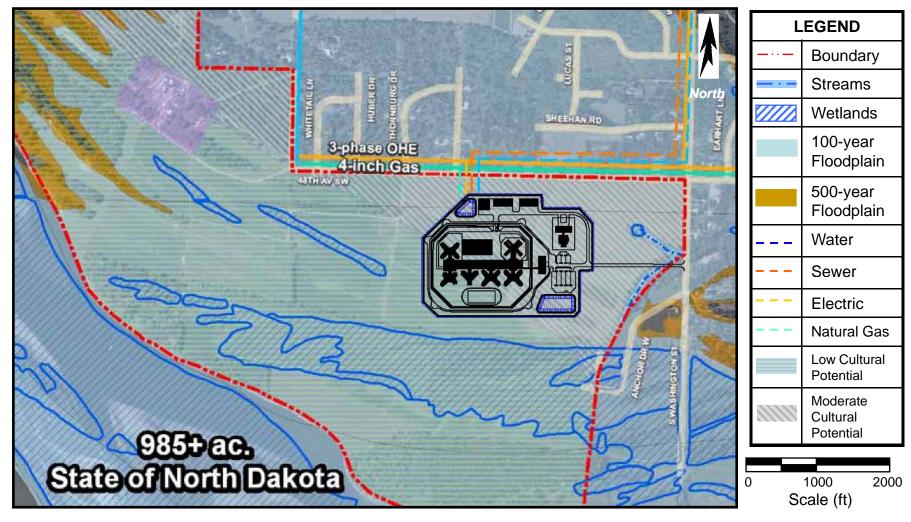
Alternative Site Comparison

Site		Existing Penitentiary Site	Missouri River Correctional Center Site	Landfill Site	Airport Site	Sunny Farm Site			
	Land Area	225.34 acres	985 acres	200 acres	308.4 acres	1,419.37 acres			
	Alternative Site Plan	-	-	-	-	Alt 1	Alt 2	Alt 3	
Wetland	Permanent (acres)	2.45	0.11	10.79	1.51	0 1.15		0	
Wetl	Construction/Temporary (acres)	1.3	0.11	1.38	0	0	0.23	0	
Stream Impacts (linear feet)		2,132	50 ft	4,700	0	0	500	0	
100-	year Floodplain Impacts (acres)	2 acres	75 acres	0	0	0	0	0	
Cul	tural Resource Impacts (acres)	31 ac (Low) 36 ac (Moderate)	15 ac (Low) 60 ac (Moderate)	14 ac (Low) 67 ac (Moderate)	31 ac (Low) 48 ac (Moderate)	75 ac (Low) 31 ac (High)	56 ac (Moderate) 33 ac (High)	31 ac (Moderate) 54 ac (High)	
	Cut/Fill Volume (CY)	263,200 cy (Cut) 251,900 cy (Fill)	877,100 cy (Fill)	727,500 cy (Cut) 713,700 cy (Fill)	205,800 cy (Cut) 192,100 cy (Fill)	253,800 cy (Cut) 238,100 cy (Fill)	1,842,800 cy (Cut) 1,689,500 cy (Fill)	1,579,500 cy (Cut) 1,443,500 cy (Fill)	
ts	Water Supply	1,900 ft	8,200 ft	4,300 ft	2,400 ft	13,900 ft	10,500 ft	7,900 ft	
ity Cos	Wastewater Collection	1,700 ft	8,200 ft	4,300 ft	4,300 ft	15,500 ft	12,100 ft	9,500 ft	
Off-site Utility Costs	Electric Power	500 ft	500 ft	4,600 ft (Supply line) 3,200 ft (High Voltage Line relocation)	550 ft	9,900 ft	6,500 ft	4,100 ft	
0	Natural Gas	2,700 ft	500 ft	4,300 ft	1,400 ft	10,100 ft	6,700 ft	4,300 ft	
-	Access-Road Improvements	100 ft	1,300 ft	350 ft	850 ft	500 ft	4,000 ft	1,650 ft	
	Land Acquisition (acres)	20.5 ac (Family Forest)	0	0	10.0 ac (United Tribes land)	0	0	0	





MRCC Site Layout

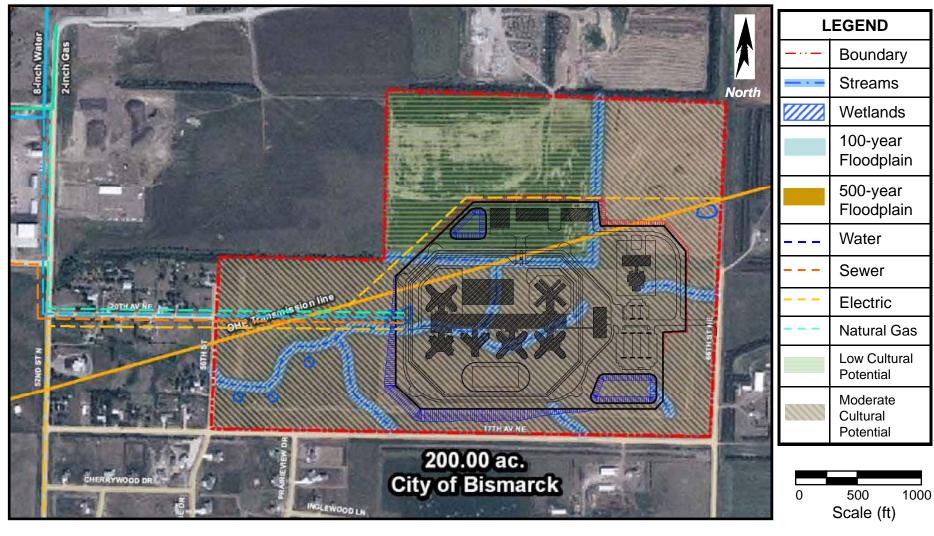








Landfill Site Layout

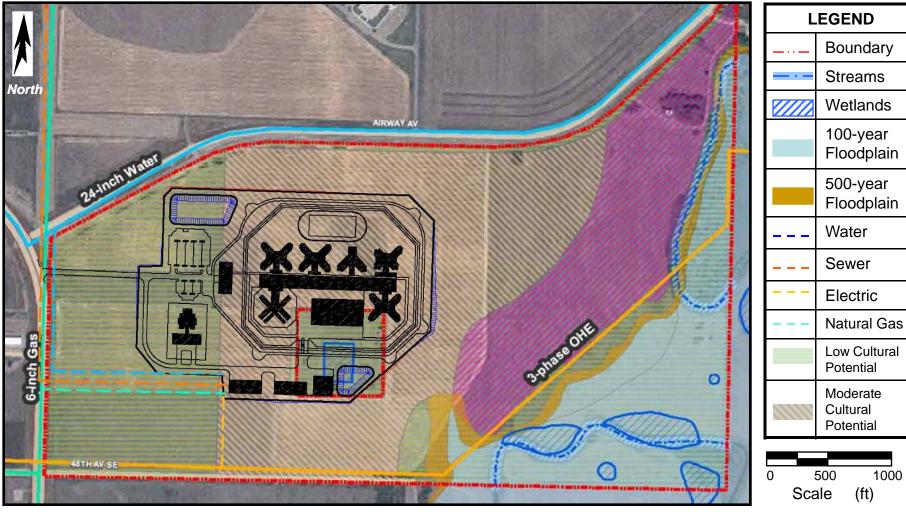








Airport Site Layout

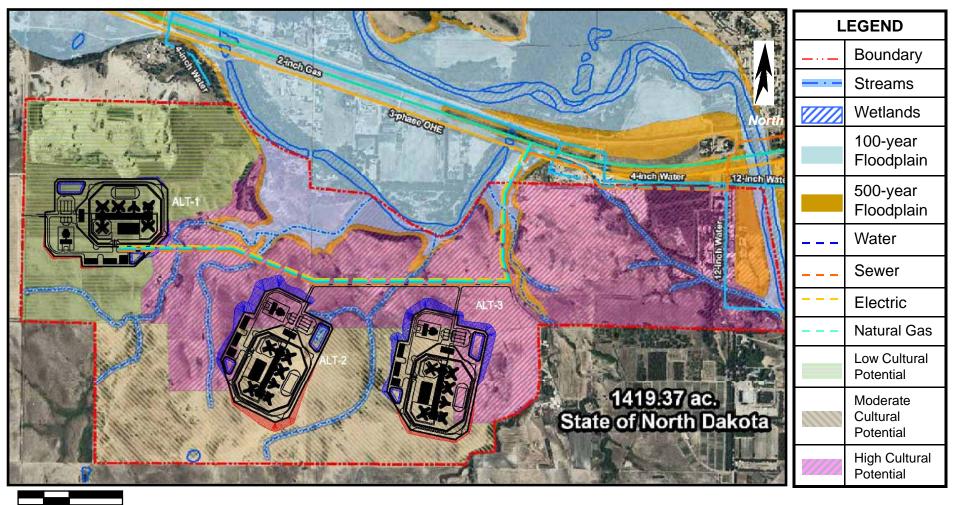


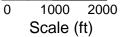






Sunny Farm Site Layout

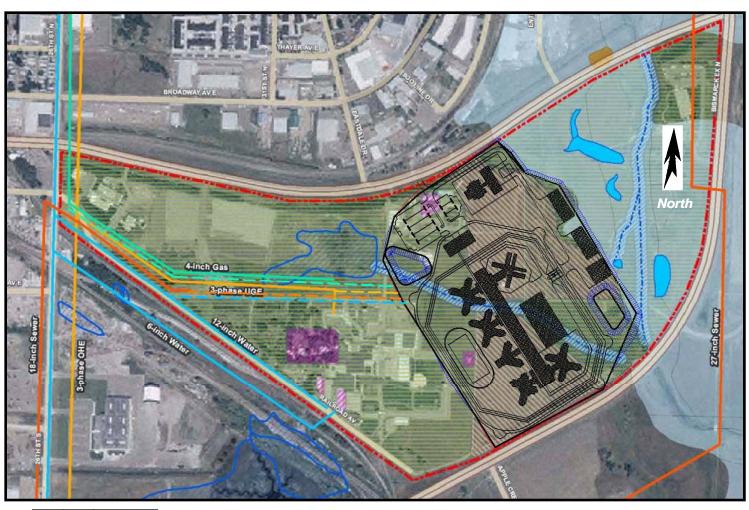








Penitentiary Site Layout



LEGEND							
	Boundary						
i	Streams						
	Wetlands						
	100-year Floodplain						
	500-year Floodplain						
	Water						
	Sewer						
	Electric						
	Natural Gas						
	Low Cultural Potential						
	Moderate Cultural Potential						
	High Cultural Potential						









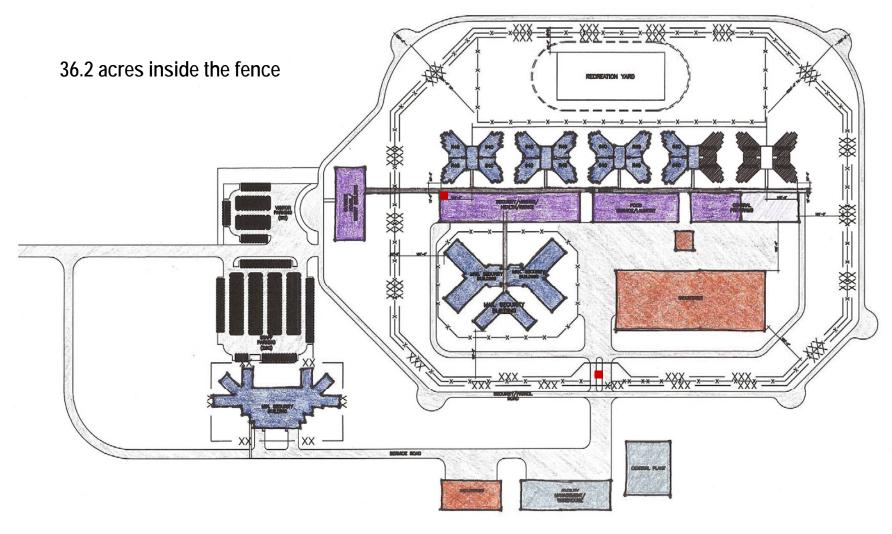
Alternative Site Comparison

Site		Existing Penitentiary Site	Missouri River Correctional Center Site	Landfill Site	Airport Site	Sunny Farm Site		
Land Area		225.34 acres	985 acres	200 acres	308.4 acres	1,419.37 acres		
	Alternative Site Plan	-	-	-	-	Alt 1	Alt 2	Alt 3
Wetland Impacts	Permanent (acres)	2.45	0.11	10.79	1.51	0	1.15	0
Wetl	Construction/Temporary (acres)	1.3	0.11	1.38	0	0	0.23	0
Stream Impacts (linear feet)		2,132	50 ft	4,700	0	0	500	0
100-year Floodplain Impacts (acres)		2 acres	75 acres	0	0	0	0	0
Cult	ural Resource Impacts (acres)	31 ac (Low) 36 ac (Moderate)	15 ac (Low) 60 ac (Moderate)	14 ac (Low) 67 ac (Moderate)	31 ac (Low) 48 ac (Moderate)	75 ac (Low) 31 ac (High)	56 ac (Moderate) 33 ac (High)	31 ac (Moderate) 54 ac (High)
	Cut/Fill Volume (CY)	263,200 cy (Cut) 251,900 cy (Fill)	877,100 cy (Fill)	727,500 cy (Cut) 713,700 cy (Fill)	205,800 cy (Cut) 192,100 cy (Fill)	253,800 cy (Cut) 238,100 cy (Fill)	1,842,800 cy (Cut) 1,689,500 cy (Fill)	1,579,500 cy (Cut) 1,443,500 cy (Fill)
र	Water Supply	1,900 ft	8,200 ft	4,300 ft	2,400 ft	13,900 ft	10,500 ft	7,900 ft
ity Costs	Wastewater Collection	1,700 ft	8,200 ft	4,300 ft	4,300 ft	15,500 ft	12,100 ft	9,500 ft
Off-site Utility	Electric Power	500 ft	500 ft	4,600 ft (Supply line) 3,200 ft (High Voltage Line relocation)	550 ft	9,900 ft	6,500 ft	4,100 ft
Ŏ	Natural Gas	2,700 ft	500 ft	4,300 ft	1,400 ft	10,100 ft	6,700 ft	4,300 ft
Δ	ccess-Road Improvements	100 ft	1,300 ft	350 ft	850 ft	500 ft	4,000 ft	1,650 ft
	Land Acquisition (acres)	20.5 ac (Family Forest)	0	0	10.0 ac (United Tribes land)	0	0	0





Initial Site Development Concept Revisited

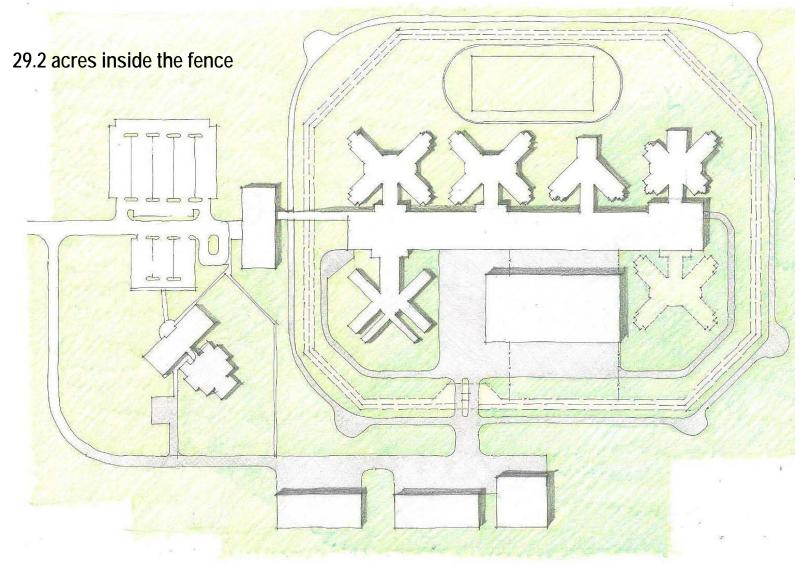








Refined Replacement Facility Concept

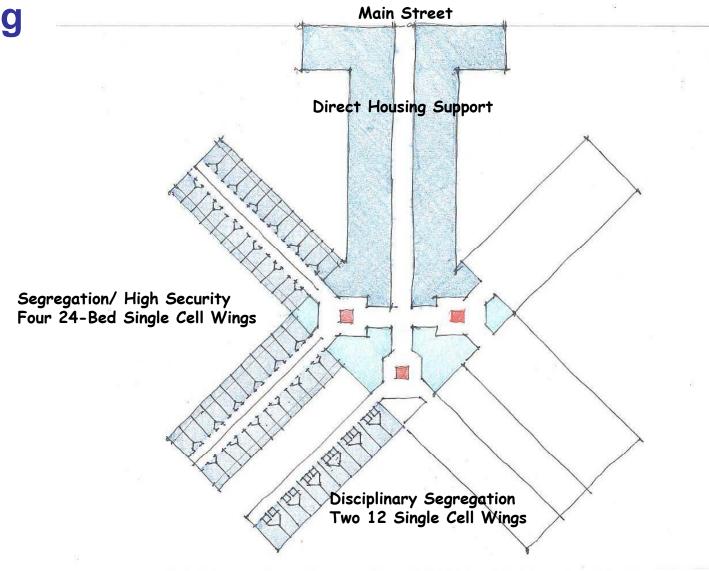








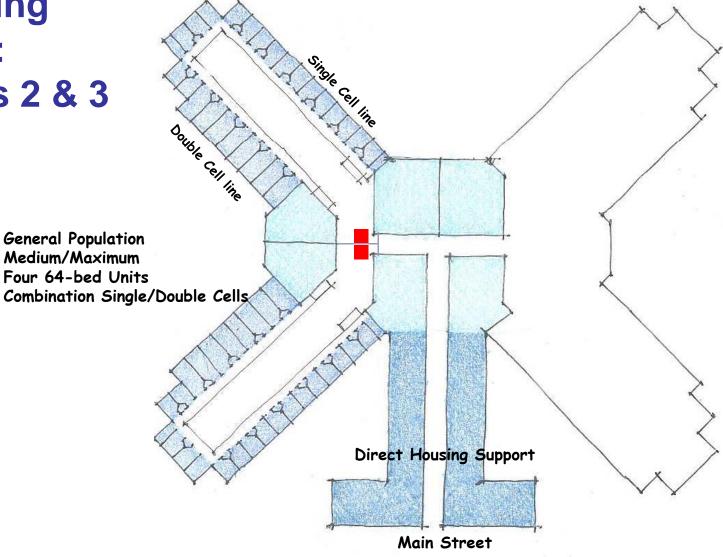
Housing Units: Zone 1







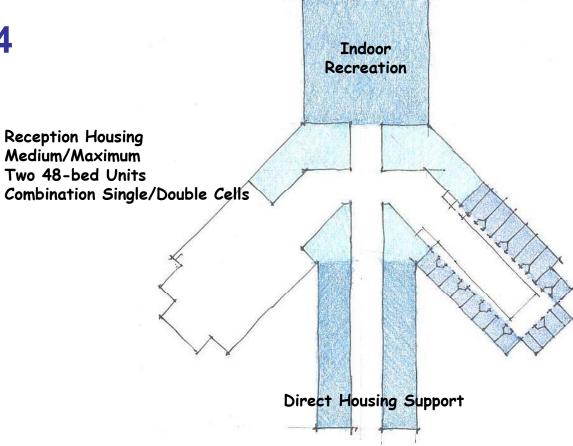
Housing Units: Zones 2 & 3







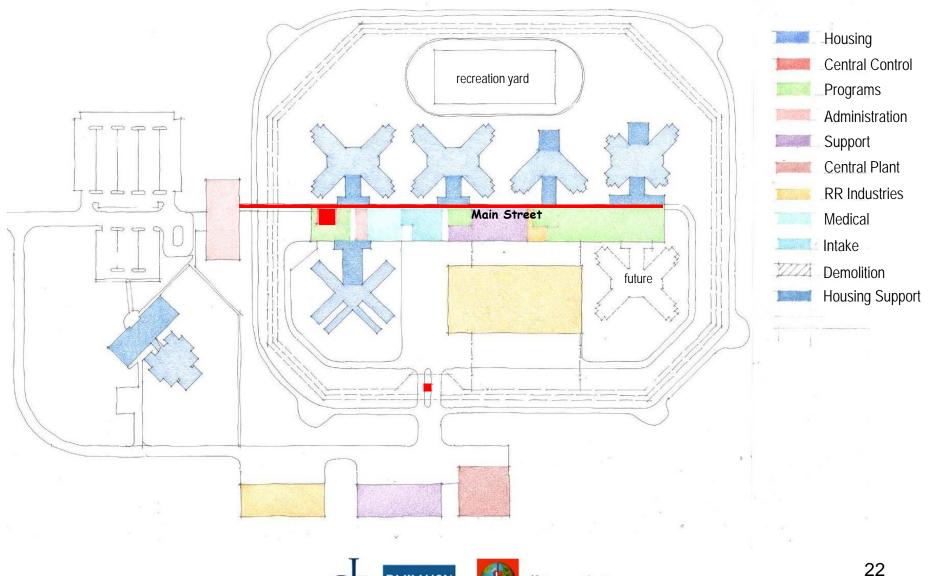
Housing Units: Zone 4







Replacement Facility Component Diagram









Proposed Replacement Facility Capacity

1,085 Beds

	N	New Facility for 1000 Inmates								
	Total	Flex	Net Op.	Use						
Utilization	Beds	Beds	Capacity							
Administrative Seg										
General Population										
General Population										
Admission & Orientation										
Disciplinary Detention										
Awaiting Placement										
General Population (Honor)										
Drug & Alcohol Program										
Sick										
Special Needs										
Disciplinary Detention										
Disciplinary Detention	24	12	12	Max (2 12's)						
Administrative Segregation	96	10	86	Max (2 48's)						
Admission & Orientation	96	2	94	MxMd Comb (2 48's)						
Maximum Security GP	512	24	488	MxMd Comb (8 64's)						
Gang Renunciation Unit			0	in above						
Transition (Step Down) Unit	48	4	44	MxMd Doubles (48)						
Criminal Thinking TC	48	4	44	MxMd Doubles (48)						
Substance Abuse TC	48	4	44	MxMd Doubles (48)						
Medium Security GP			0	in above						
Minimum Security GP	192	4	188	Min (3-64's)						
Medical Infrimary	10	10	0	Max						
Medical Chronic Care										
Medical Segregation	4	4	0	Max						
Mental Health	7	7	0	Max						
TOTAL	1,085	85	1,000							
PERCENT	100%	7.8%	92.2%							





Current Capacity

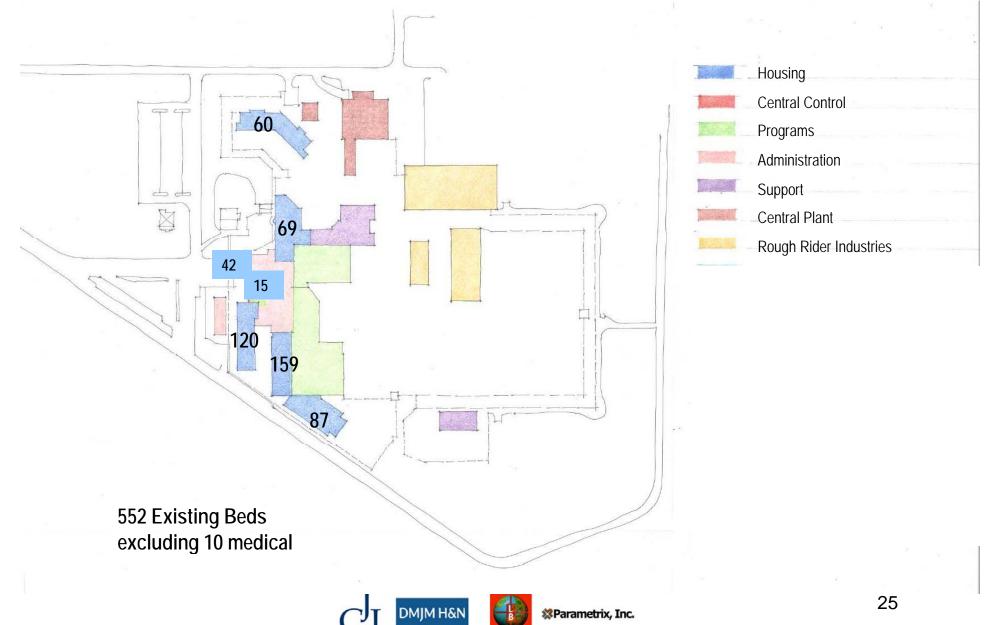
562 Total Beds

Inmate Housing Areas Level West Cell Block Maximum Administrative Seg West Cell Block Maximum Administrative Seg Mest Cell Block Maximum Administrative Seg Mest Cell Block Maximum Admission & Orientation North Unit Medium North Unit Maximum Disciplinary Detention Overflow Unit Medium Medium Admission & Orientation Overflow Unit Minimum Medium Drug & Alcohol Program Medium Infirmary Medium Minimum Medium Minimum Minimum Minimum Medium Disciplinary Detention Maximum Disciplinary Detention Maximum Disciplinary Detention Administrative Segregation Administrative Segregation Administrative Segregation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP Minimum Security GP Minimum Security GP Minimum Security GP	Total Beds 60 60 159 65 4 42 87 60 6 4 155	Flex Beds 5 2 3 5 4 0 0 6 6 4 15	55 58 156 60 0 42 81 60
West Cell Block Maximum Administrative Seg West Cell Block Maximum General Population East Cell Block Maximum General Population North Unit Medium Admission & Orientation North Unit Maximum Disciplinary Detention Overflow Unit Minimum Awaiting Placement South Unit Medium General Population (Honor) Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Special Needs Infirmary Detention Maximum Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	60 60 159 65 4 42 87 60 6	5 2 3 5 4 0 6 0 6	55 58 156 60 0 42 81 60 0
West Cell Block Maximum General Population East Cell Block Maximum General Population North Unit Medium Admission & Orientation North Unit Maximum Disciplinary Detention Overflow Unit Minimum Awaiting Placement South Unit Medium General Population (Honor) Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Disciplinary Detention Infirmary Detention Maximum Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	60 159 65 4 42 87 60 6	2 3 5 4 0 6 0 6	58 156 60 0 42 81 60 0
East Cell Block Maximum General Population North Unit Medium Admission & Orientation Overflow Unit Minimum Awaiting Placement South Unit Medium General Population (Honor) Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Special Needs Infirmary Detention Disciplinary Detention Maximum Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	159 65 4 42 87 60 6	3 5 4 0 6 0 6	156 60 0 42 81 60 0
North Unit Medium Admission & Orientation North Unit Maximum Disciplinary Detention Overflow Unit Medium General Population (Honor) Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Disciplinary Detention Infirmary Detention Maximum Disciplinary Detention Disciplinary Detention Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	65 4 42 87 60 6	5 4 0 6 0 6	60 0 42 81 60 0
North Unit Maximum Disciplinary Detention Awaiting Placement South Unit Medium General Population (Honor) Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Disciplinary Detention Maximum Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	4 42 87 60 6 4	4 0 6 0 6 4	0 42 81 60 0
Overflow Unit Minimum Awaiting Placement South Unit Medium General Population (Honor) Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Disciplinary Detention Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	42 87 60 6	0 6 0 6 4	42 81 60 0
South Unit Medium General Population (Honor) Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Disciplinary Detention Infirmary Detention Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	87 60 6 4	6 0 6 4	81 60 0
Treatment Unit Minimum Drug & Alcohol Program Infirmary Medium Sick Infirmary Observation Maximum Special Needs Infirmary Detention Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	60 6 4	0 6 4	60 0 0
Infirmary Medium Sick Infirmary Observation Maximum Special Needs Infirmary Detention Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	6	6	0
Infirmary Observation Maximum Special Needs Infirmary Detention Maximum Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	4	4	0
Infirmary Detention Maximum Disciplinary Detention Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP			
Disciplinary Detention Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP	15	15	0
Administrative Segregation Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP			
Admission & Orientation Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP			
Maximum Security GP Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP			
Gang Renunciation Unit Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP			
Transition (Step Down) Unit Criminal Thinking TC Substance Abuse TC Medium Security GP			
Criminal Thinking TC Substance Abuse TC Medium Security GP			
Substance Abuse TC Medium Security GP			
Medium Security GP			
Minimum Socurity CD			
Millinum security Gr			
Medical Infrimary			
Medical Chronic Care			
Medical Segregation			
Mental Health			
TOTAL		50	512
PERCENT	562	90	

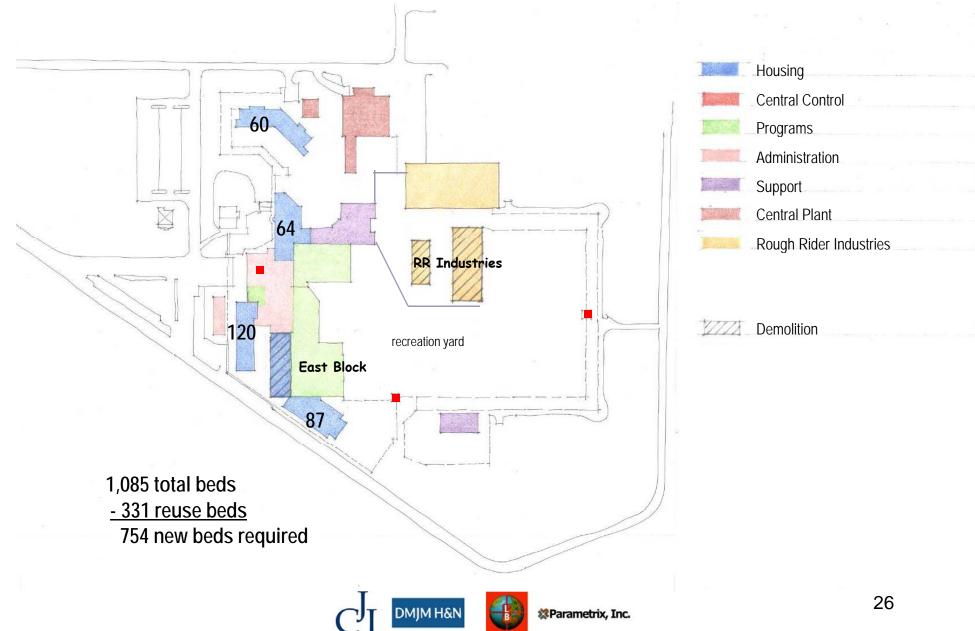




Existing Facility Housing Capacity



Existing Facility Reuse Capacity



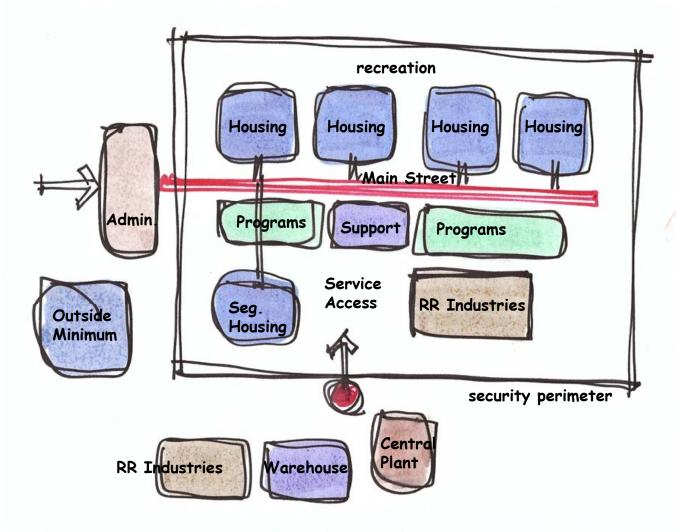
Capacity Distribution Comparison

Current Capacity			Reuse/Expansion Plan for 1,000 Inmates				New Facility for 1000 Inmates				
	Total	Flex	Net Op.	Total	Flex	Net Op.	Use	Total	Flex	Net Op.	Use
Utilization	Beds	Beds	Capacity	Beds	Beds	Capacity		Beds	Beds	Capacity	
Administrative Seg	60	5	55	60	2	58	Max GP				
General Population	60	2	58	60	2	58	Medium GP				
General Population	159	3	156								
Admission & Orientation	65	5	60	60	2	58	Med TC SA				
Disciplinary Detention	4	4	0	4	4	0	Max TC SA				
Awaiting Placement	42	0	42								
General Population (Honor)	87	6	81	87	2	85	Medium GP				
Drug & Alcohol Program	60	0	60	60	2	58	Min. Reentry				
Sick	6	6	0								
Special Needs	4	4	0								
Disciplinary Detention	15	15	0								
Disciplinary Detention				24	12	12	Max (2 12's)	24	12	12	Max (2 12's)
Administrative Segregation				96	10	86	Max (2 48's)	96	10	86	Max (2 48's)
Admission & Orientation				112	6	106	MxMd Comb (1 48/1 64)	96	2	94	MxMd Comb (2 48's)
Maximum Security GP				256	10	246	MxMd Comb (4-64's)	512	24	488	MxMd Comb (8 64's)
Gang Renunciation Unit				0		0	in above			0	in above
Transition (Step Down) Unit				48	4	44	MxMd Doubles (48)	48	4	44	MxMd Doubles (48)
Criminal Thinking TC				48	4	44	MxMd Doubles (48)	48	4	44	MxMd Doubles (48)
Substance Abuse TC						0	in existing North Unit	48	4	44	MxMd Doubles (48)
Medium Security GP				0		0	in above			0	in above
Minimum Security GP				144	4	140	Min (3 48's's)	192	4	188	Min (3 64's)
Medical Infrimary				10	10	0	Max	10	10	0	Max
Medical Chronic Care						0					
Medical Segregation				4	4	0		4	4	0	Max
Mental Health				7	7	0	Max	7	7	0	Max
TOTAL	562	50	512	1,080	85	995		1,085	85	1,000	
PERCENT	100%	8.9%	91.1%	100%	7.9%	92.1%		100%	7.8%	92.2%	





Replacement Facility Concept

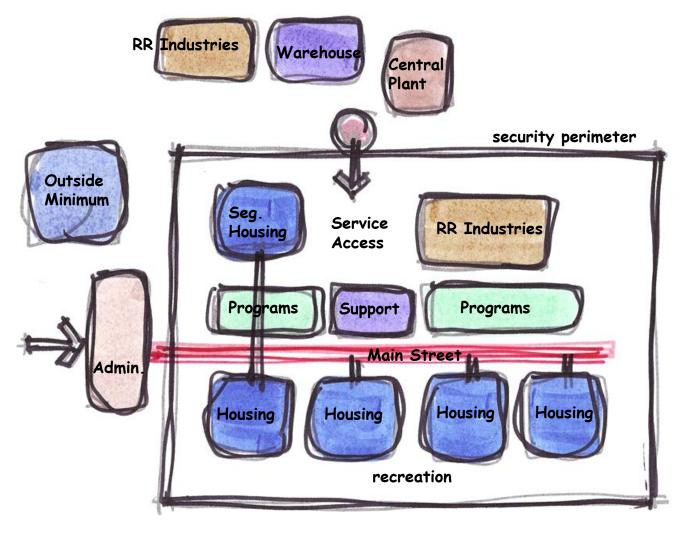








Flipped Concept Diagram







Reuse/Expansion Site Plan



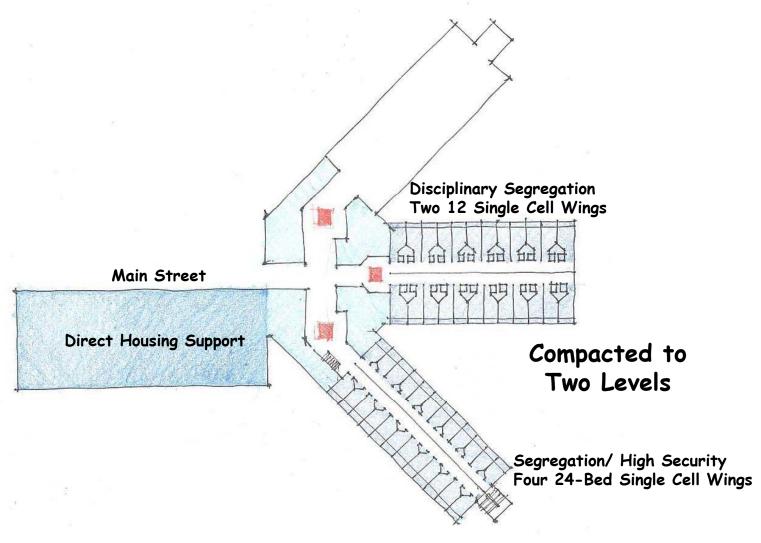






Reuse/Expansion Component Diagram Housing Central Control Programs Administration Support Central Plant RR Industries Medical Main Street Intake **Demolition** Housing Support 31 Parametrix, Inc.

Compact Segregation Housing

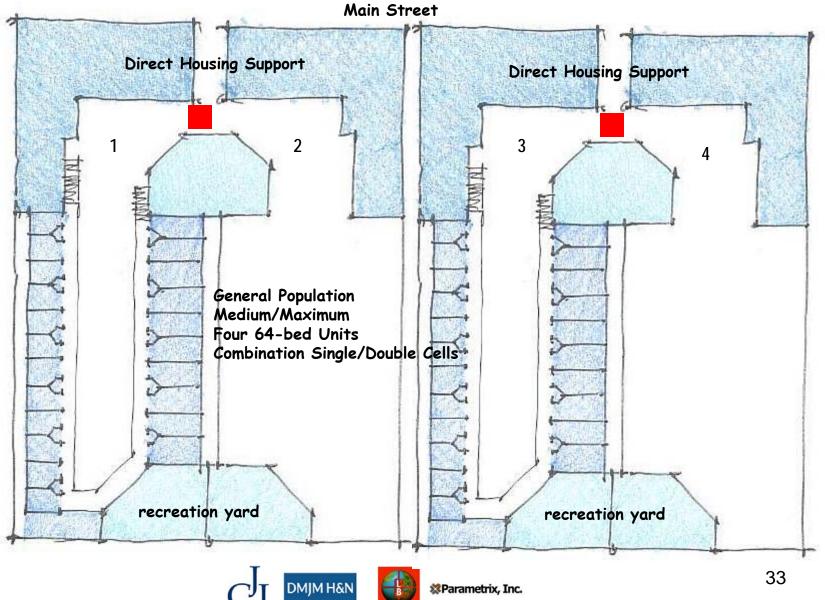






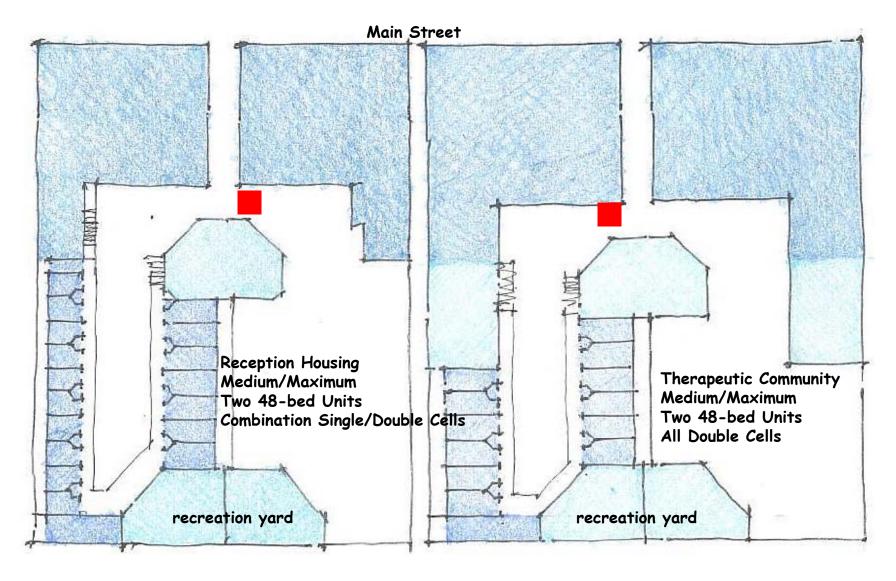


Compact Housing Units: Zones 2 & 3





Compact Housing Units: Zones 4, 5









Compact Reuse/Expansion Plan

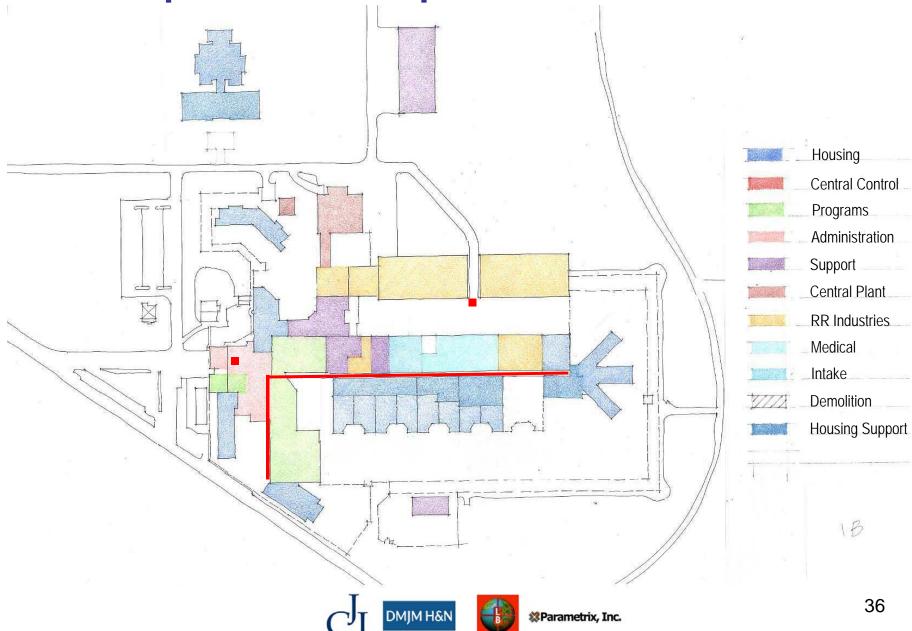








Compact Reuse/Expansion Site Plan



Reuse Plan Summary

	Project Element	
ID	Component Name	Notes
1	Site Development	Modify as Required
2	Entry Area	Front End Addition
3	Central Administration	Demolish Existing/Renovation of Main Admin.
4	Facility Administration	Renovation of Existing Areas
5	Staff Services/ Training	Front End Addition
6	Central Control	Renovation of Existing Areas
7	Intake/Transfer/Release	New Construction
8	Classification	New Construction
9	Visitation	Front End Addition
10	Commissary	Expand in Place
11	Library	Existing to Remain
12	Education/ Programs	Existing to Remain; New Vocational Shops
13	Treatment	Existing to Remain
14	Recreation	Existing to Remain
15	Health Services	
A		New Construction
		New Construction
		New Construction
16	Food Service	Expand Dining, Storage
17	Laundry	Relocate
18	Outside Warehouse	Keep Existing; Build New Space
19	Rough Rider Industries	
A		New or Expand
		New
<u>C</u>		Demolish some; Expand Total Area New
20	Outside Industry Area Central Plant/ Maintenance	Expand
21	Reception Housing	New Construction
22	Disciplinary Segregation	New Construction
23	Segregation Housing	New Construction
24	General Population Housing	Reuse + Additional Units
25	Therapeutic Community	Reuse + Additional Units
26	Inside Minimum GP	Reuse + Additional Units
27	Housing Zone Support	With New Housing Units
28	Minimum Security Housing	New Construction Outside Perimeter
29	Minimum Security Support	New Construction Outside Perimeter







Evaluation Criteria

- Life Cycle Cost
 - Capital Construction Cost
 - Annual Operational Cost
 - Financing Cost
- Housing Fit
- Phasing Capability
- System Configuration/ Efficiency





Next Steps – February 19, 2008

- Options Investigation
 - Evaluation of the Various Options to Determine
 Operational and Construction Costs of Each, and
 Related Evaluation Criteria.

Next Steps – March 3, 2008

- Final Report/ Recommendations
 - Documentation of Process and Findings, including "Best Option" for the State



