

DON'T BE YOUR TRANSPORTER'S WORST NIGHTMARE

MATT JAMES – ZOO MIAMI

GUY LICHTY – NORTH CAROLINA ZOO



COMMON ISSUES

- FACILITIES
- ANIMAL MANAGEMENT
- COMMUNICATION



FACILITIES

- POOR DESIGN
 - NOT DESIGNED WITH SHIPPING IN MIND
- CHAIN LINK FENCING
- VISUAL BARRIERS



IDEAL SOLUTIONS



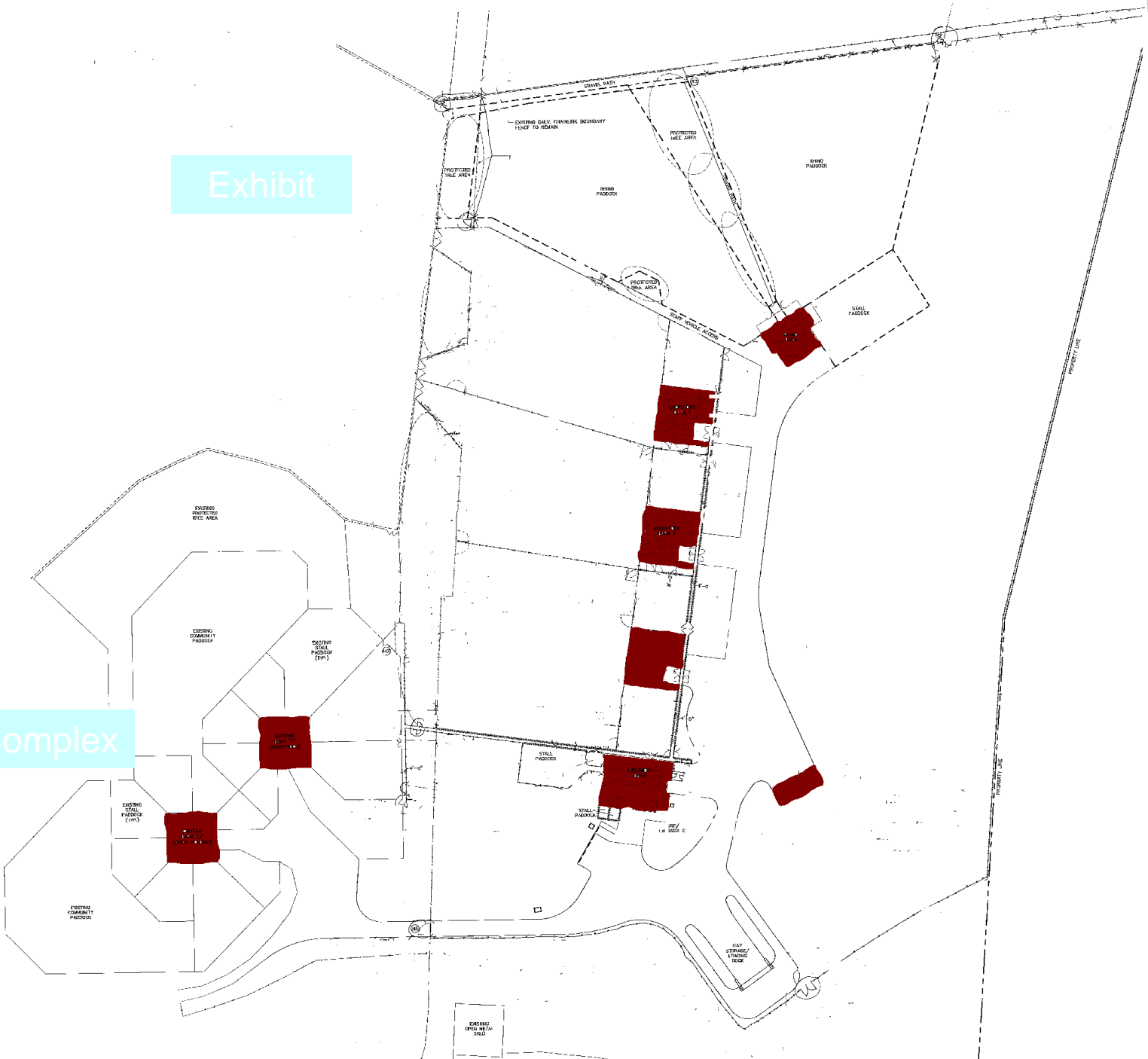
IDEAL SOLUTIONS

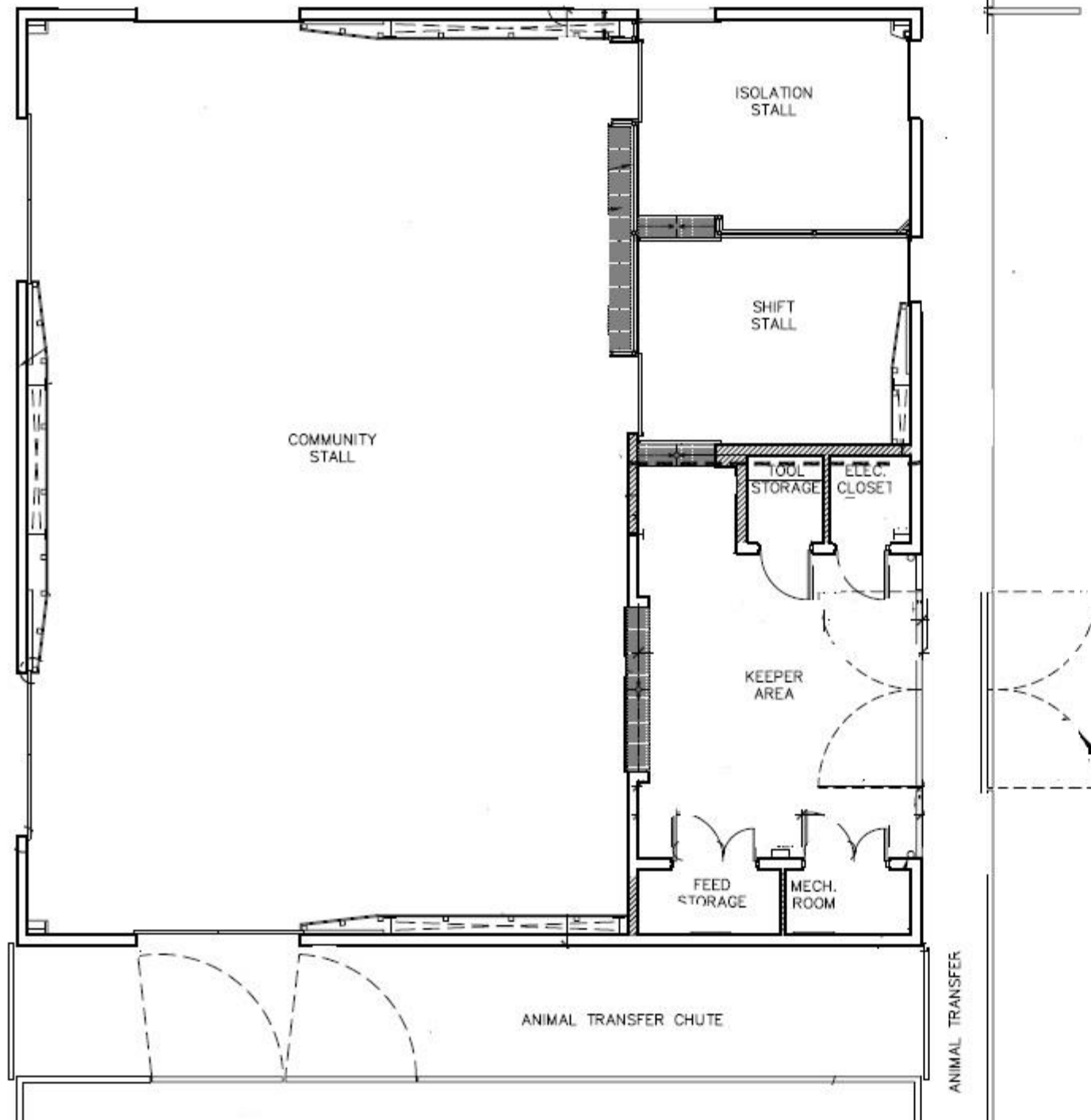




THE NORTH CAROLINA ZOO'S WATANI GRASSLAND RESERVE AFRICAN PLAINS BARNS COMPLEX







ANIMAL TRANSFER

Hoofstock Holding Barns



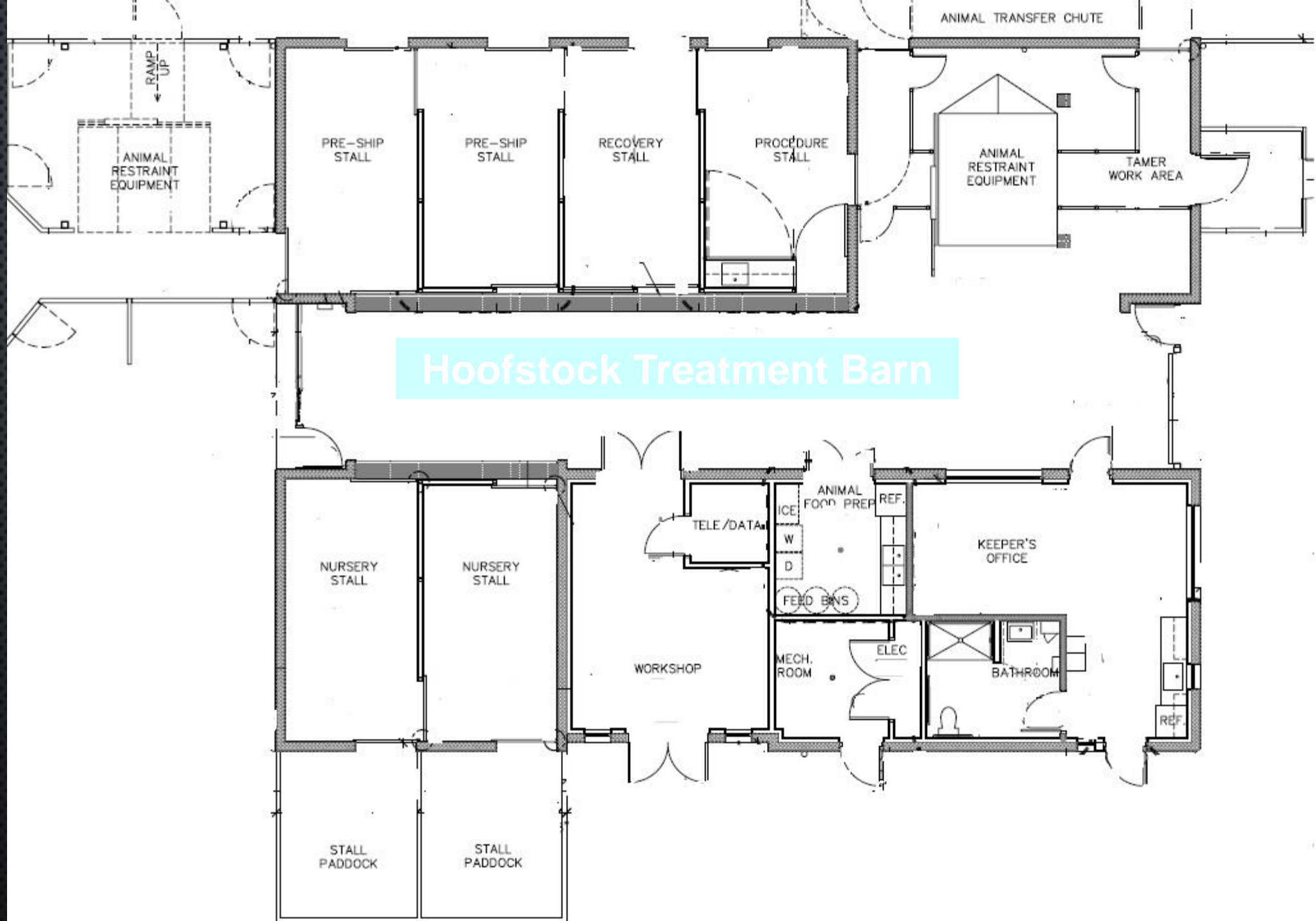
35'x50' community stalls



2 small culling/holding stalls



Access to chute system



Hoofstock Treatment Barn

Hydraulic tamer



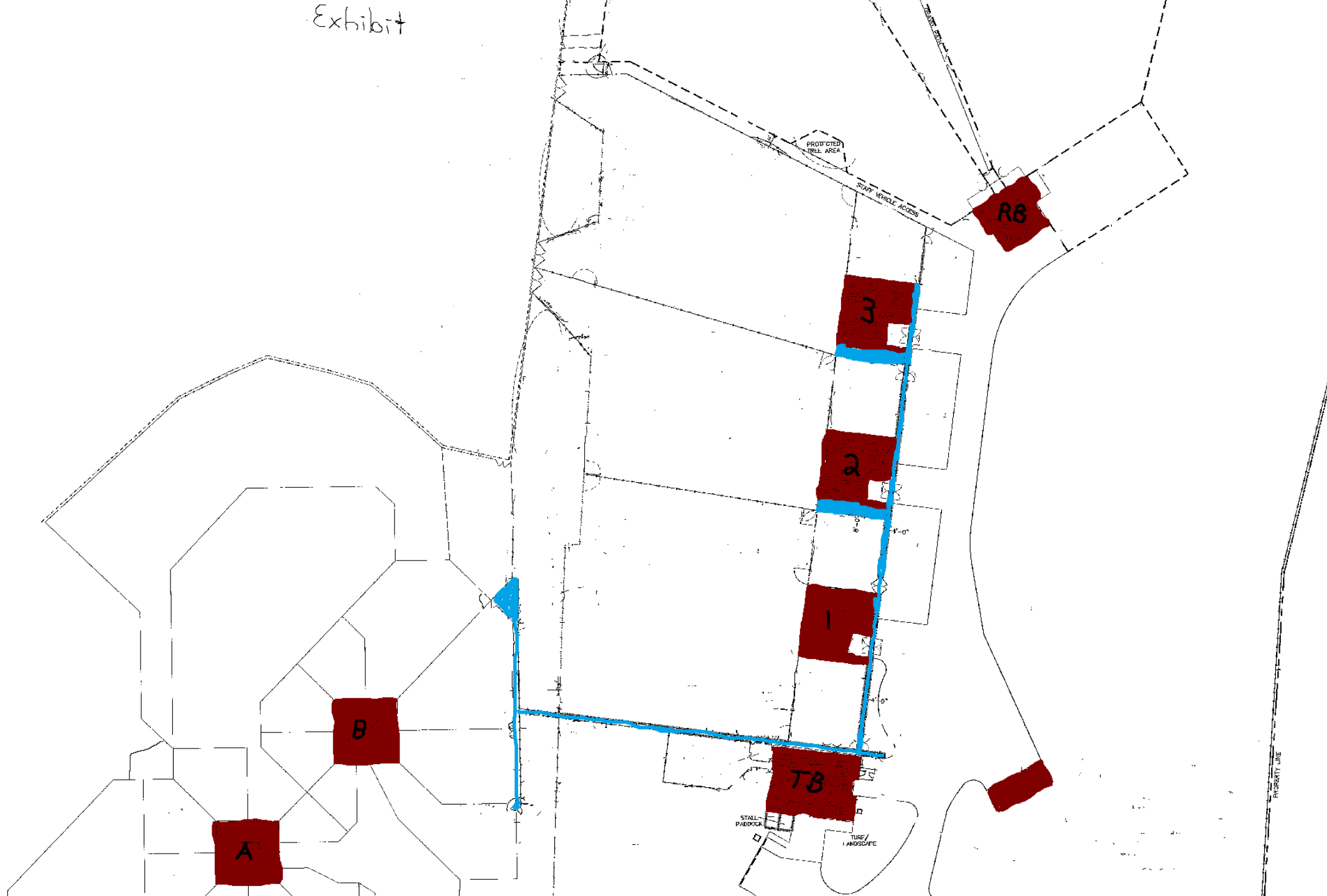
Animal perspective



Animal perspective



Exhibit





4'-wide main chute connecting new barns to treatment barn



4'-wide chute connecting treatment barn to old barn complex



Adjustable height loading ramp



**8'-wide culling chute from
large paddocks to 4' chute**



**Normal gate set up to allow
access between large paddocks**



**Gate set up to push animals from large
paddock into small side paddock**



**Gate set up to push from large
paddock to culling chute**

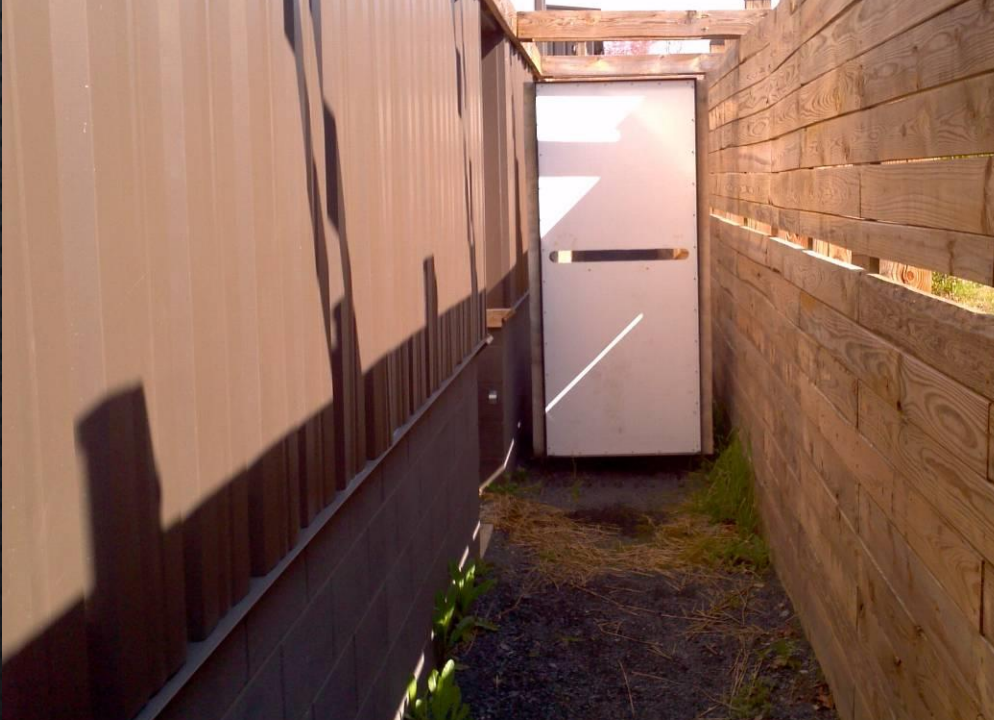


**Portable boards for stopping
animals at barn doors**



**Permanent swing gate for moving
animals into drop floor tamer**

Mad-maxium push board system







SIMPLE SOLUTIONS







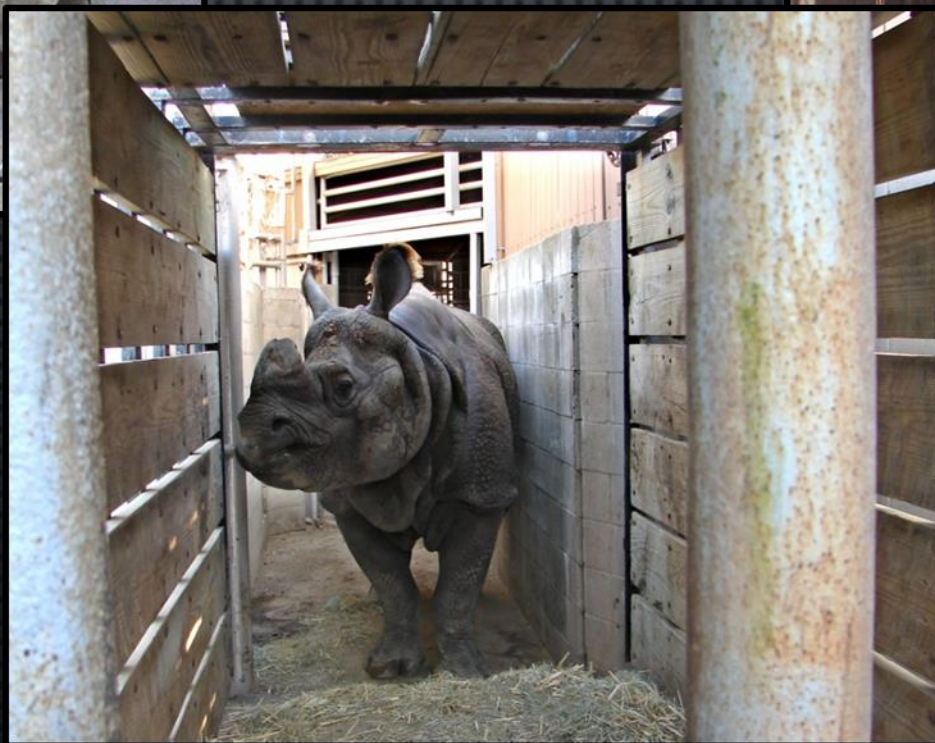
ANIMAL MANAGEMENT

- HOW TO BEHAVE APPROPRIATELY AROUND ANIMALS IN STRESSFUL CONDITIONS
- USE OF DRUGS
- CONDITION ANIMALS TO APPROPRIATE SETTINGS
- ALSO INCLUDES STAFF MANAGEMENT
 - HAVE CLEARLY DEFINED ROLES



SOLUTIONS





COMMUNICATION

- COMMUNICATION WITH ALL PARTIES
 - CLEARLY DEFINED ROLES
- PREPARATION/PRE-SHIPMENT COMMUNICATION
- DAY OF COMMUNICATION
- POST-SHIPMENT COMMUNICATION
- DEVELOPING RESPECTFUL RELATIONSHIPS WITH TRANSPORTERS FOR COLLABORATION



SOLUTIONS



SOLUTIONS

NZP Transaction Flow.p × +

file:///C:/Users/Matt%20James/Desktop/NZP%20Transaction%20Flow.pdf

At least 12 to 6 months prior to shipment

If from another country

Acquisition of animals from other countries may take longer, and shipping protocol may be modified. Consult with Registrar.

If new species

[1.1] **Curator initiates SAP**
No SAP required if species has been in collection within the last 7 years
Curator coordinates with SSP, as appropriate

If for research

[1.2.1] **Researcher initiates IACUC proposal, review, and approval**

[1.2.2] **Researcher coordinates with Curator on acquisition, housing, husbandry of research animals**

[1.3] **Registrar applies for any necessary permits**

[1.4] **Curator or designee discusses preparations for incoming animals with OFMR & Office of Public Engagement (Exhibits)** (e.g. exhibit space, preparation of new ID signs). Curator must confirm that appropriate housing will be ready before the animal is transferred into quarantine.

[1.5] **ADACS informs Offices of Public Engagement, Communications & Advancement about possible new species**

[1.6] **Curator or designee identifies where shipping crate will come from**
If from NZP, Curator submits work order for construction of crate; May take up to 1 year if crate comes from contractor

At least 4 months prior to shipment.

[2.1] **Curator or designee communicates directly with sending institution to identify POC & target arrival date**
Communications continue throughout process

Appropriate staff (QC, ACS, WHS, Registrar) are included in communications

Once SAP approved

[2.2] **Curator works with other curators and QC at the weekly curator meetings to get animals in the quarantine queue**

[2.3] **Curator initiates PAT**
PATs submitted thru Registrar's office

[2.3.1] **Curator checks with Registrar to ensure adequate funds for animal's procurement and shipment**

[2.3.2] **Registrar completes permits, loan agreements, reviews origin documents, etc.**

[2.3.3] **ADACS communicates to Offices of Public Engagement, Communications & Advancement that animals are coming**

If PAT is not approved

[2.3.4] **Curator or designee notifies sending institution & QC**

If off-site quarantine necessary

[2.4] **Curator or designee prepares off site quarantine plans with QVet**
Special arrangements for quarantine at locations other than WHS must be worked out well in advance, & in writing, among the vets, curator and senior curator

[2.5] **Curator requests and reviews specimen report from sending**

institution
Discusses any concerns with Senior Curator and Veterinary Staff

Windows Taskbar: Ask me anything, File Explorer, Mail, Calendar, Word, PowerPoint, Excel, 2:42 PM 3/28/2017

Actions	Curators or Senior Keeper	Animal Science Manager (ASM)	Registrar	Shipping Coordinator	Veterinarian/Nutritionist	Other Institution
Initial Start	Prepare Pre-Approval with input from ASM for SSP recs, Collection Plan, or animal ID# on AZA recommendations or reasons for transfer	Review & Approve with Chief to ensure all is filled out properly.	Assess for logistics to prepare transaction docs, Notification email, permits, or any needed follow-up and save files on network	This is the main contact to explore options for shipment flights and/or land transport (if needed).	Contacts vet/nutritionist at institution receiving or sending animal.	Follows up with Vets/ Nutritionist/Shipping Coordinator/Registrar
Accepted	N/A or as assigned by ASM 72 hours after accepted for incoming or outgoing.	Main contact for Team to notify all who is doing what assignments (72 hr. after accepted).	Main contact for permits, info for Shipping Coordinator	Receives all documents to begin preparations for physical shipping of animal	Reviews medical records of animal in or out of zoo and communicates medical clearance.	Reviews medical records of animal in/out of zoo. Follows up with Vets/ Nutritionist/ Shipping Coordinator/ Registrar
Animal History Review	N/A or as assigned by ASM and prepares ADT for shipping packet.	Follows up with Vets/ Institution	Request External Access or give External Access for ZIMS zoos (request records)	Check estimated ship date on Pre-Approval form for planning purposes	Monitor progress until animal is ready to ship and pursues dietary needs to receive or send animal.	Follows up with Vets/ Manager
Not Accepted	N/A	Cancel transaction <u>must</u> advise Registrar, Vets, Nutritionist and Shipping Coordinator.	Cancel transaction, turn 'off' ZIMS external sharing and notify those involved.	Cancel transaction	Cancel transaction	Cancel transaction
Accepted	N/A or as assigned by ASM	Is main contact for Team	Main contact for permits, info for Shipping Coordinator	Main contact for shipment, info for Registrar	Monitor progress until animal is ready to ship	Follows up with Vets/ Nutritionist/Shipping Coordinator/Registrar
Decision about shipment	N/A	Behavioral fitness for transfer due to facility or husbandry needs (behavior, breeding history, age, collection, etc.)	N/A	Get with contact to arrange shipping or who was assigned to coordinate transport reservation.	Medically fitness for shipment transfer (age, condition, test results, etc.)	Follows up with Vets/ Manager
Planning the Shipment	Prepares animal and ADT for outgoing/ Prepare to care of animal incoming or as assigned by ASM.	Maintains communication and prepare to receive at end of quarantine for daily management	Tracks non-medical permits for shipping, invoices for payments, and in import/export situations coordinates broker.	Prepares shipping packet with docs provided by Curators, Managers, Vets, and Registrar (PRN)	Health certificate for outgoing / Initiate medical record, quarantine, diet, etc. for incoming	Deaccession for outgoing / Accession for incoming animal record(s), archive transaction docs, ensures payment(s) are processed
Day of Shipping	Picks up or takes animal	Assigns staff or is transporter.	Completes accession/deaccession and archives docs.	Completes transport confirmations and archives docs.	Confirms staff is prepared or medical docs were in shipping packet.	Confirms arrival or departure of animal.



WHAT ISSUES DOES YOUR INSTITUTION HAVE?

