

Basic Remediation Company

# Restoration Advisory Committee Meeting

Dr. Ranajit (Ron) Sahu

Project Manager

January 8, 2009

# Topics

- Introductions and Approval of Minutes (Transcript)
- Remediation Update
- Other Work Update
- Planned Activities
- Next Meeting – April 9, 2009
- Subsequent Meetings – July 9, 2009, October 8, 2009 and January 7, 2010.



Las Vegas

Henderson

Las Vegas Wash

Lake Mead

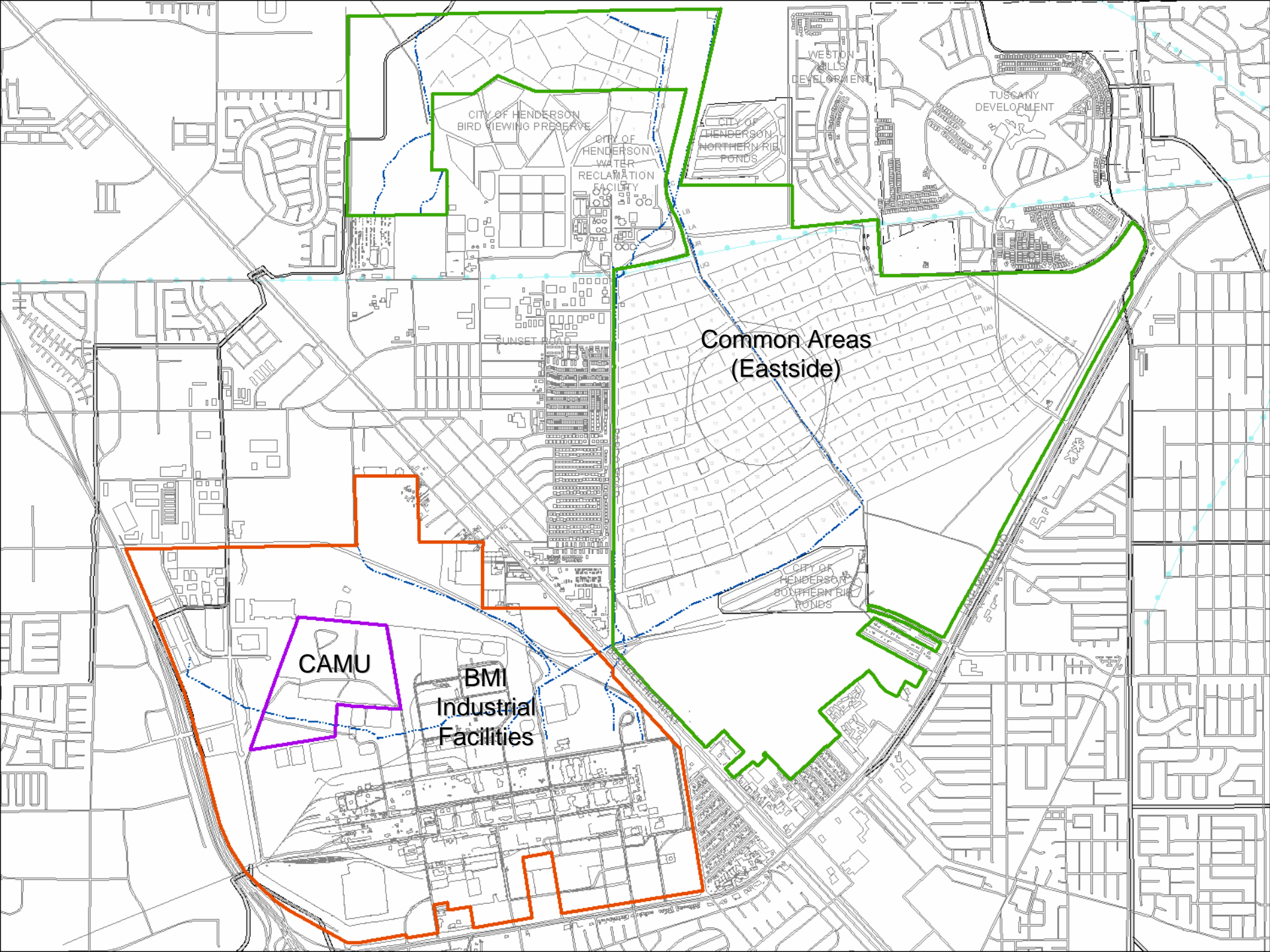
Site

NEVADA



**Basic Remediation  
COMPANY**  
BMI Site  
Clark County, Nevada

Site Location



CITY OF HENDERSON  
BIRD VIEWING PRESERVE

CITY OF HENDERSON  
WATER  
RECLAMATION  
FACILITY

CITY OF  
HENDERSON  
NORTHERN RIV-  
ER POND

WESTON  
HILLS  
DEVELOPMENT

TUSCANY  
DEVELOPMENT

Common Areas  
(Eastside)

CAMU

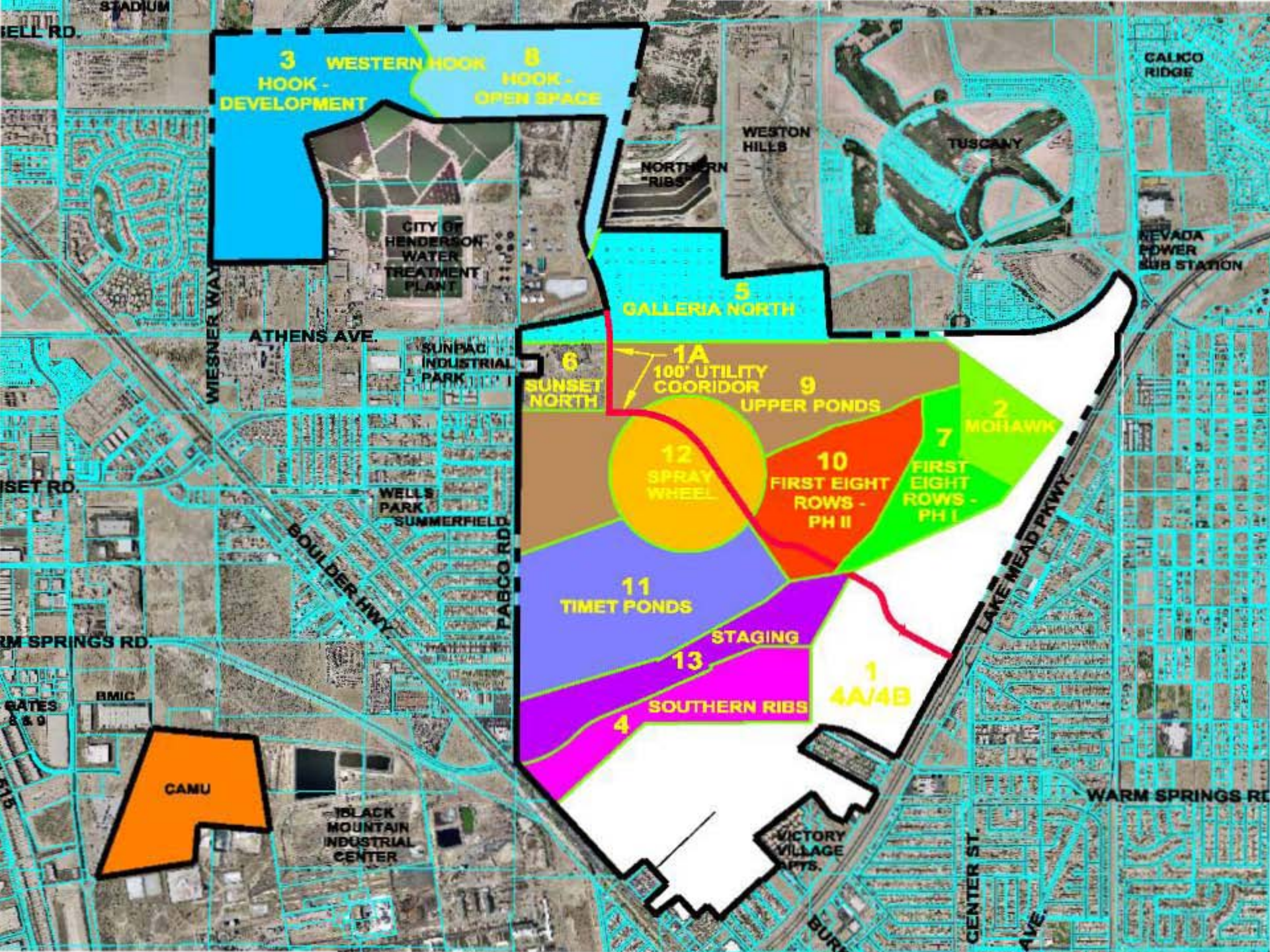
BMI  
Industrial  
Facilities

CITY OF  
HENDERSON  
SOUTHERN RIV-  
ER POND

# CAMU Phases











SW-7

SW-4

SC-1

SW-8

SW-5

SW-2

SW-9

SW-6

SW-3

SW-10

HP-4

HP-2

SW-11

HP-5

HP-3

SW-12

# Remediation Update

- Air Monitoring Continues
  - Phase IIA in progress (2 monitors in Eastside, 2 in CAMU)
  - Phase III (haul road, Eastside, Slit Trenches) ongoing
- Remediation
  - In Progress [Waste Placed in CAMU = over 250,000 cu. yds.]
  - CAMU Phase I – Waste placement in progress
  - CAMU Phase II – Waste placement in progress
  - CAMU Phase IIIA – Grading ongoing
  - CAMU Phase IIIB – Contaminant excavation ongoing
  - BMI Landfill North – Liner placement ongoing
  - TIMET Ponds - Excavation/Drying Activities in 14 out of 15 ponds





Subgrade Prep



Subgrade  
Slope  
Compaction



Final  
Subgrade

# Phase I & Phase II

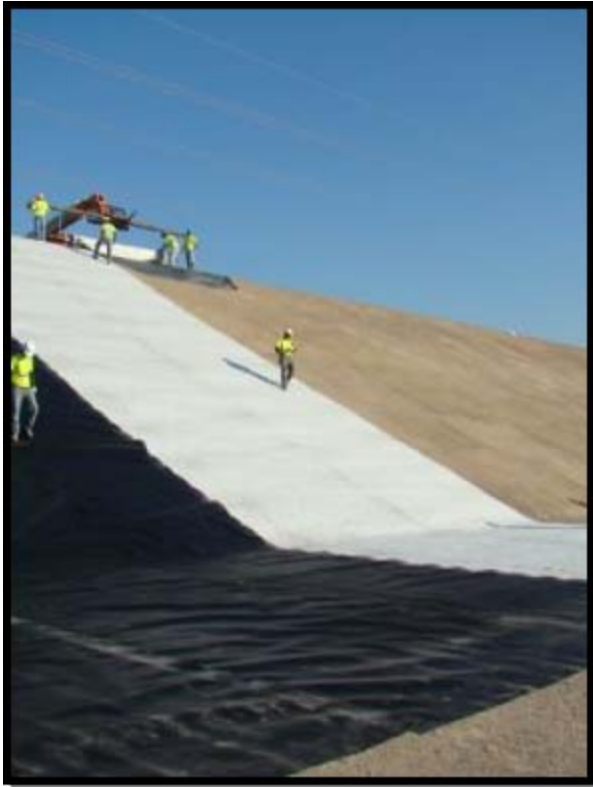


Waste Placement



Liner Installation

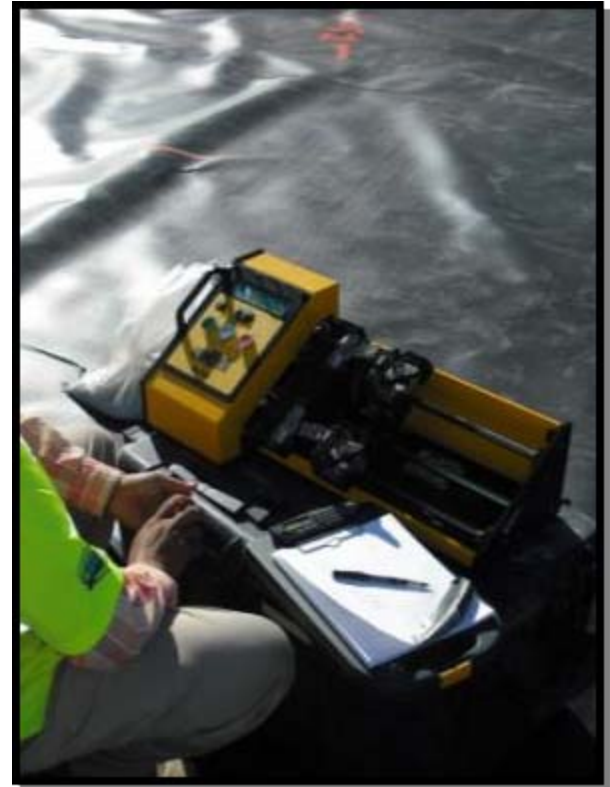




GCL and GML  
Placement



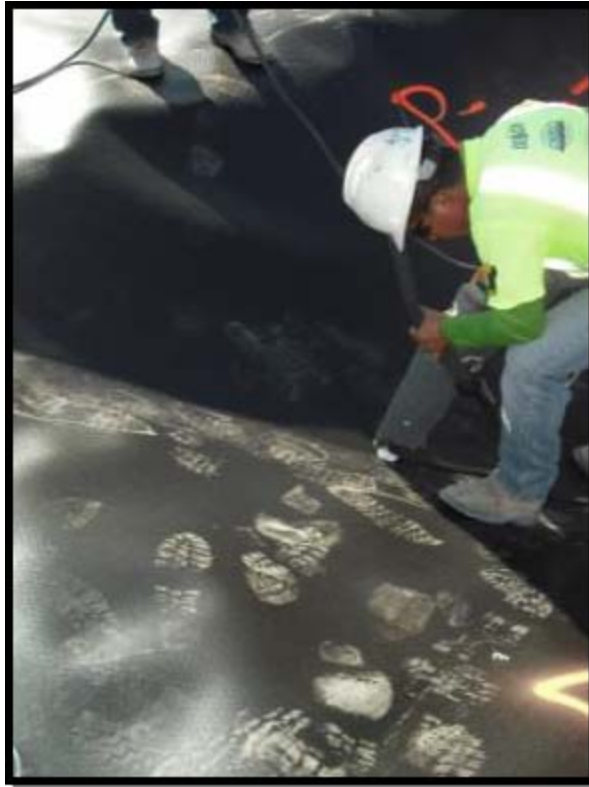
Fusion  
Welding



Trial Weld



Fitting Liner



Extrusion  
Welding



Vacuum  
Testing





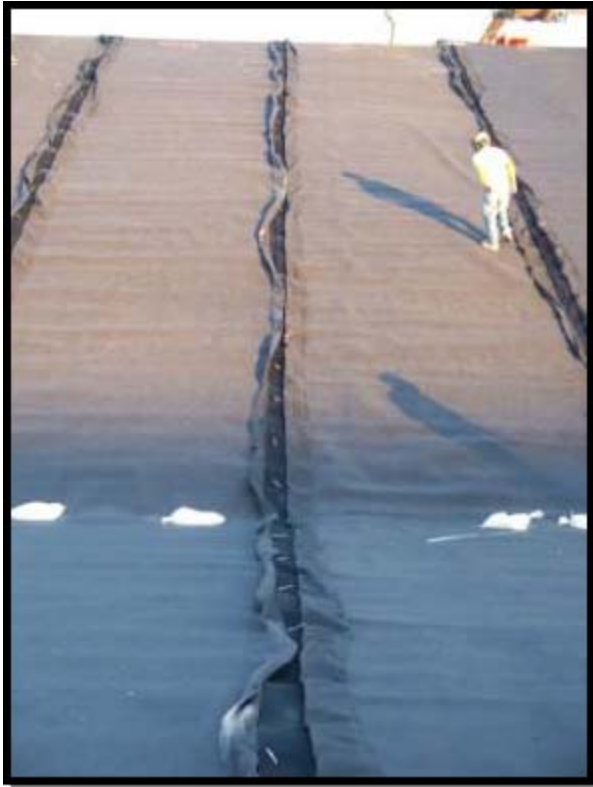
Destructive  
Sample



Vadose Sump



Vadose Sump



Geocomposite  
Seaming



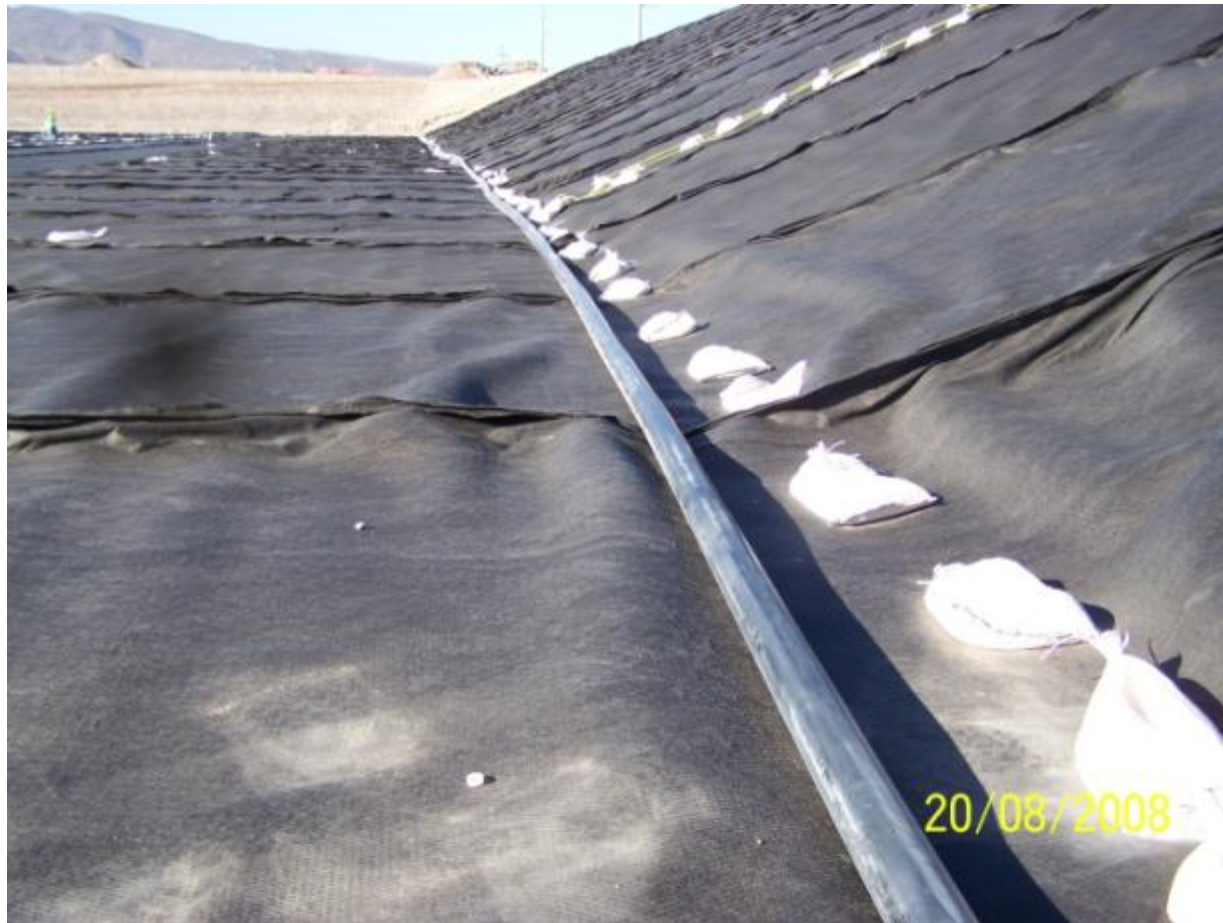
Final  
Geocomposite



Weather  
Proofing



# LCRS Piping





Preparing & Welding HDPE Pipe

# Operations Layer







Screening



Power  
Screening



Power  
Screening



Placing & Spreading Operations Layer

# Waste Placement







Night Hauling



Compaction



Proof Rolling

# BMI north landfill





Subgrade Prep



GCL  
Placement



GML  
Placement





SW-7

SW-4

SC-1

SW-8

SW-5

SW-2

SW-9

SW-6

SW-3

SW-10

HP-4

HP-2

SW-11

SW-12

HP-5

HP-3



















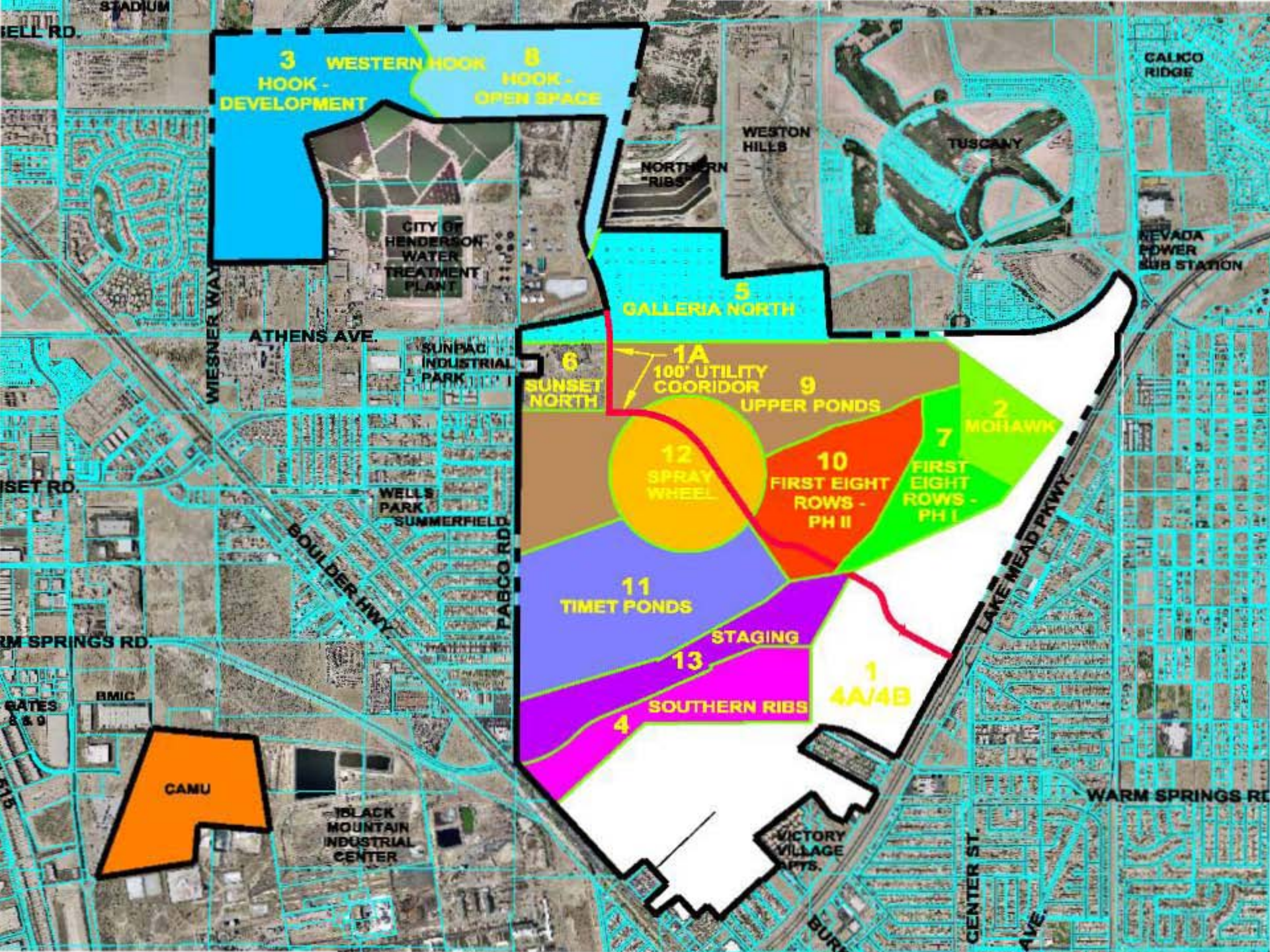














# Other Work Update

<u>Sub-Areas Status</u>						
Sub-Area Name	Acres	Samples	Locations	Conf.-SAP	C-Samp	NFA
Parcel 4A	243.7	--	--	App	R1/R2	Done
Parcel 4B	278.4	--	--	App	R1/R2/R3	RA Prep
Utility Corridor	8.4	60	46	App	R1/R2/R3	Done
Mohawk	54.74	98	38	App	R1/R2	TBD
Western Hook	226.95	279	129	App	R1	TBD
Southern RIBs	95.83	154	63	App	R1	TBD
Galleria North	144.25	212	96	App	Feb '09	TBD
SN Commercial	44.33	103	50	App	Jan '09	TBD
First Eight Rows-Phase II	126.48	240	108	TBD	TBD	TBD
Open Space	151.33	336	151	In Prep	TBD	TBD
Upper Ponds	283.3	407	183	In Prep	TBD	TBD
First Eight Rows-Phase I	77.23	140	63	TBD	TBD	TBD
TIMET Ponds	209.89	391	176	TBD	TBD	TBD
Spray Wheel	128.71	180	81	TBD	TBD	TBD
Staging	114.97	262	118	TBD	TBD	TBD
	2189	3147	1302			

# Other Work Update (contd.)

- Background Reports
  - Suppl. Shallow Soils – Revised Report in review
  - Deep Soils – Report under revision per NDEP comments
- Groundwater
  - Eastside 5<sup>th</sup> quarter groundwater sampling
    - Complete; report submitted; comments received
  - Modeling – in progress
    - Calibration Report accepted
  - CAMU area baseline groundwater monitoring [4 Qtrs. in 2009]
    - Workplan approved;
    - Q1 Sampling to begin in 2 weeks



# Planned Activities - 1

- Remediation // Related Activities – Continue
- Closure // Related Activities
  - Finalize Background Reports
  - Obtain NFA – 4B, Mohawk
  - Complete Risk Assessments – S. RIBs, Mohawk, Sunset N
  - Confirmation SAPs – obtain approval Open Space, Upper Ponds
  - Complete Groundwater modeling
  - Initiate Eastside groundwater RAS
  - Continue CAMU groundwater monitoring

# Planned Activities - 2

- Public Involvement Activities
  - Website at [www.landwellco.com](http://www.landwellco.com) now updated
    - All important project documents available on the website
    - Construction updates added
  - Informational Kiosk – still open