

# **WHITE ROCK DUMPS 1 & 2**

## **PAST AND FUTURE**

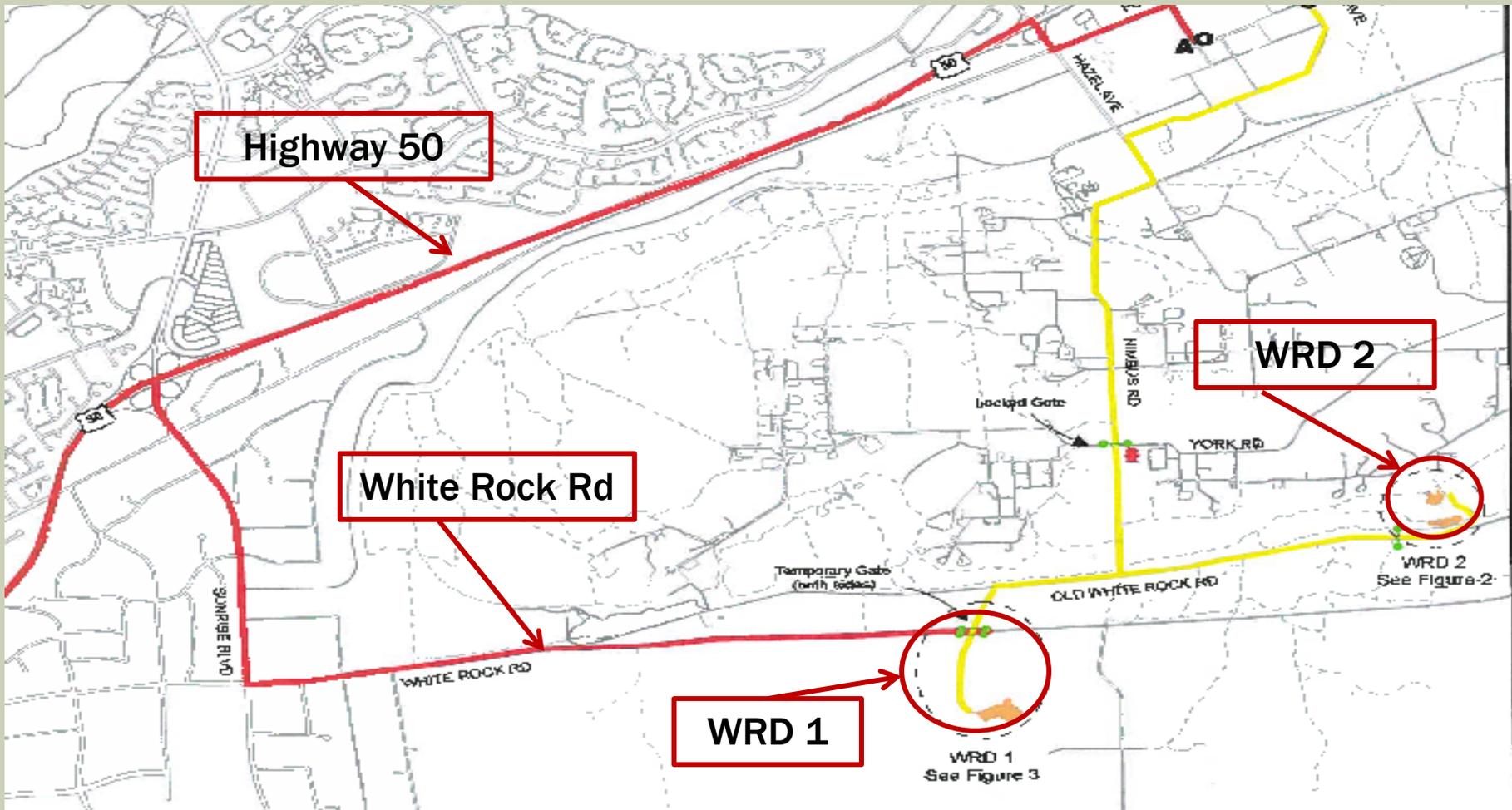
**Cindy Chain-Britton**

**Project Manager**

**Department of Toxic Substances Control**

**November 20, 2013**

# LOCATIONS



# HISTORY

- White Rock Dumps (WRD) 1 & 2 were Sac County municipal waste burn dumps in 1950s
- Operations were terminated in 1957 and 1958
- **DTSC has approved:**
  - Remedial Investigations in 2004
  - Feasibility Study in 2006
  - Remedial Action Plan (RAP) in 2011
  - Remedial Design Plan in 2012

# INVESTIGATIONS

## ■ WRD 1

- **Debris** is non-hazardous waste
- **Soil** -- metals in background range, dioxins/furans detected at very low levels and below industrial CHHSLs
- **Groundwater** -- VOCs and perchlorate in groundwater are from upgradient sources

## ■ WRD 2

- **Debris** is non-hazardous waste
- **Soil** - 7 metals above background, dioxins/furans exceed CHHSL, DDT, PCB and its mixture detected below industrial CHHSLs
- **Groundwater** -- VOCs and perchlorate in groundwater are from upgradient sources

# REMEDIAL ACTION PLAN (RAP)

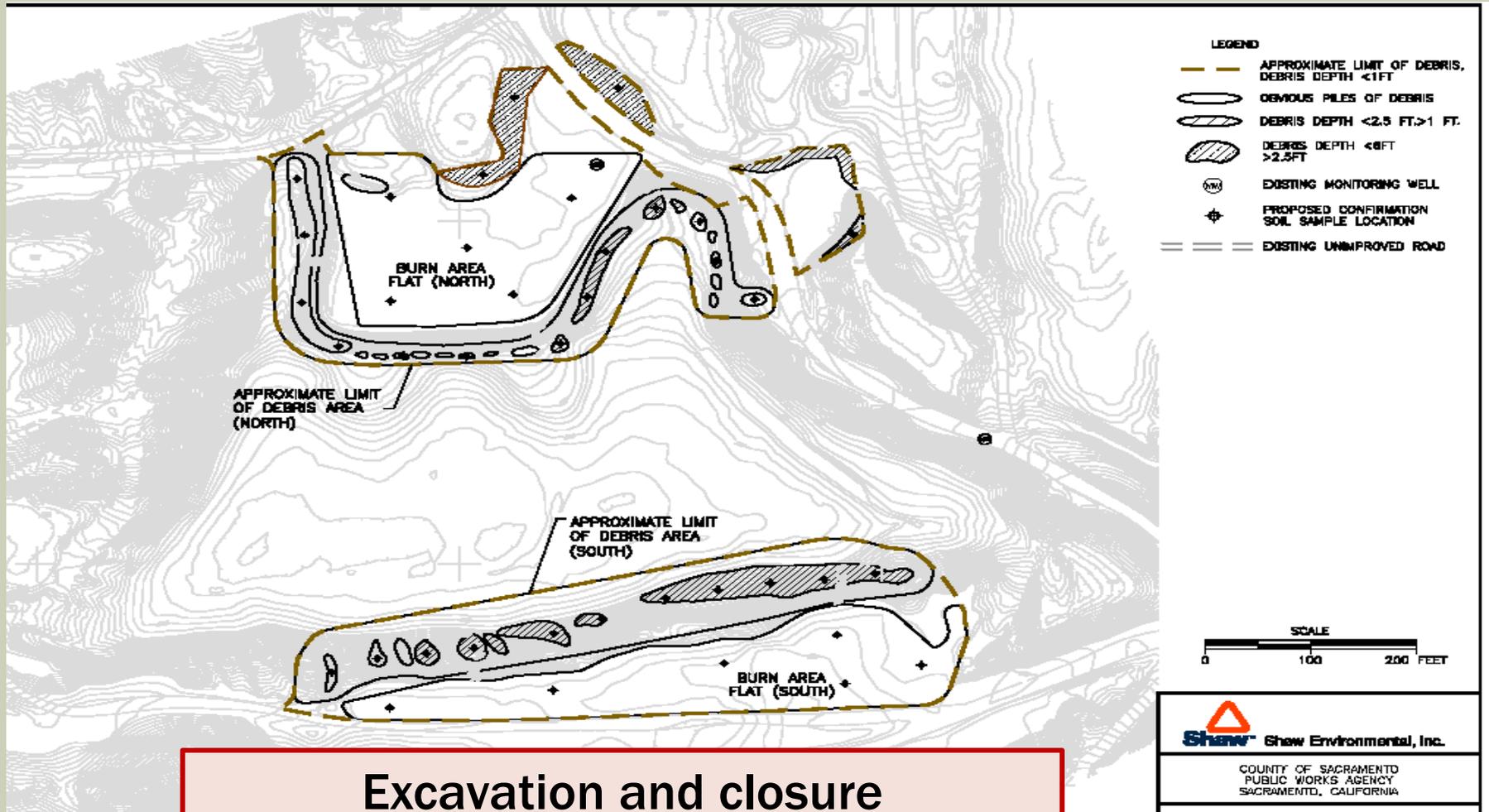
- A public document
- DTSC's decisions and recommendations
- Table of Contents
  - ❖ Site background
  - ❖ Investigations
  - ❖ Site risks, including human health, ecological, groundwater quality
  - ❖ Evaluation of alternatives

# REMEDIAL ACTION

- **Close WRD2**

- Excavate debris material from WRD2 to industrial cleanup goal
- Transport debris and contaminated soil to WRD1

# CURRENT CONSTRUCTION DUMP 2



Excavation and closure

# CURRENT CONSTRUCTION

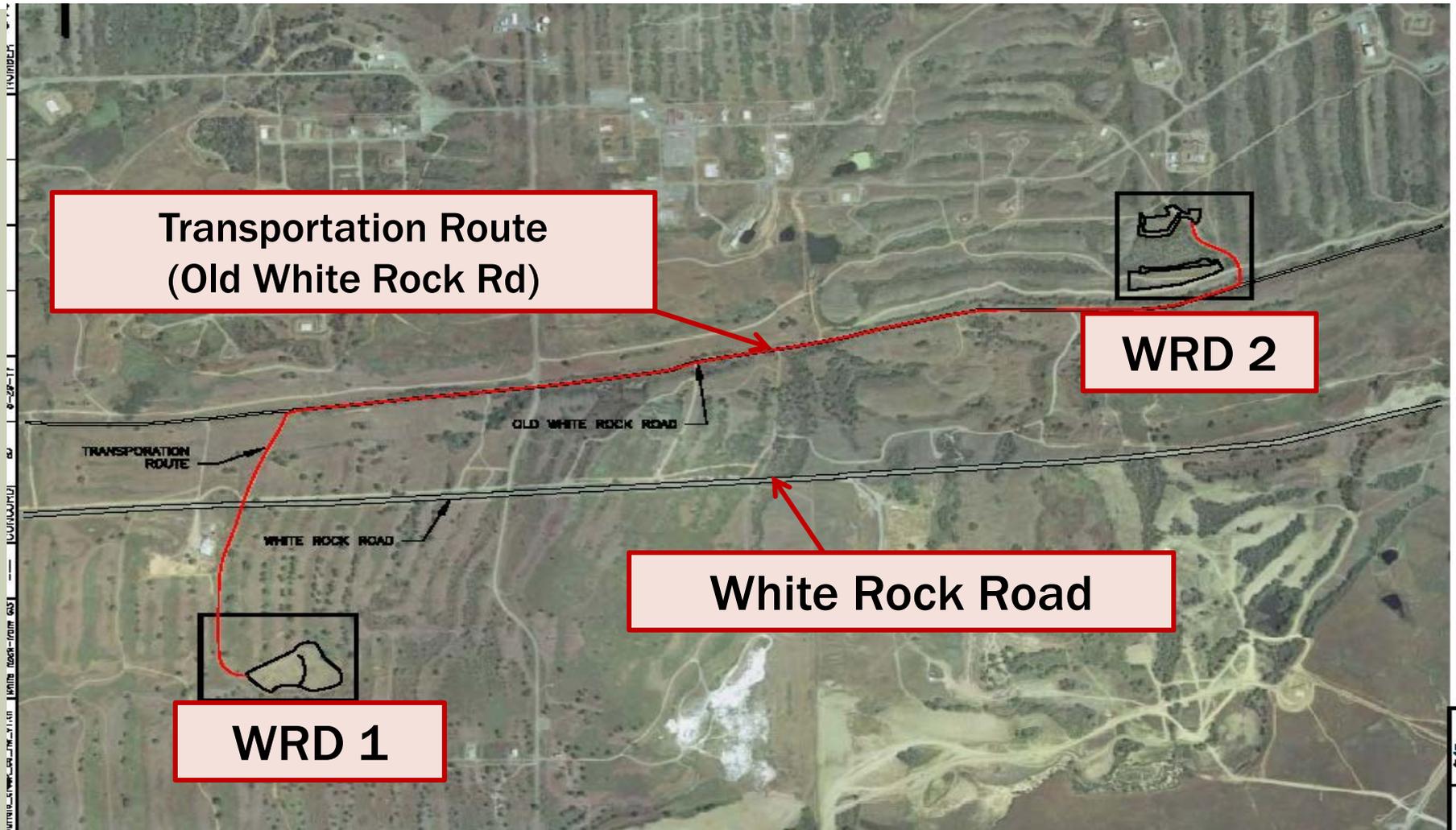
## WRD 2



Excavation activities at WRD 2



# TRANSPORTATION ROUTE



Transportation Route  
(Old White Rock Rd)



WRD 2

OLD WHITE ROCK ROAD

TRANSPORTATION ROUTE

WHITE ROCK ROAD

White Rock Road

WRD 1

# REMEDIAL ACTION

## ■ Close WRD1

- Consolidate WRD1 and WRD2 debris into a 3.8-acre closure area at WRD1
- Clean-close the areas of WRD1 outside the 3.8 acres
- Place a 4-foot-thick native soil and gravel as cap to cover over the 3.8-acre closure area
- Re-vegetate by hydro-seeding all disturbed areas



# CURRENT SITE – WRD 1



**Compaction Test at WRD 1**



# CURRENT SITE – WRD 1



**Native soil, cobble, and gravel**

# CURRENT SITE – WRD 1



**Clean closure area – debris and clean soil**

# CONSTRUCTION SCHEDULE

10/15/2013 - 1/18/2014

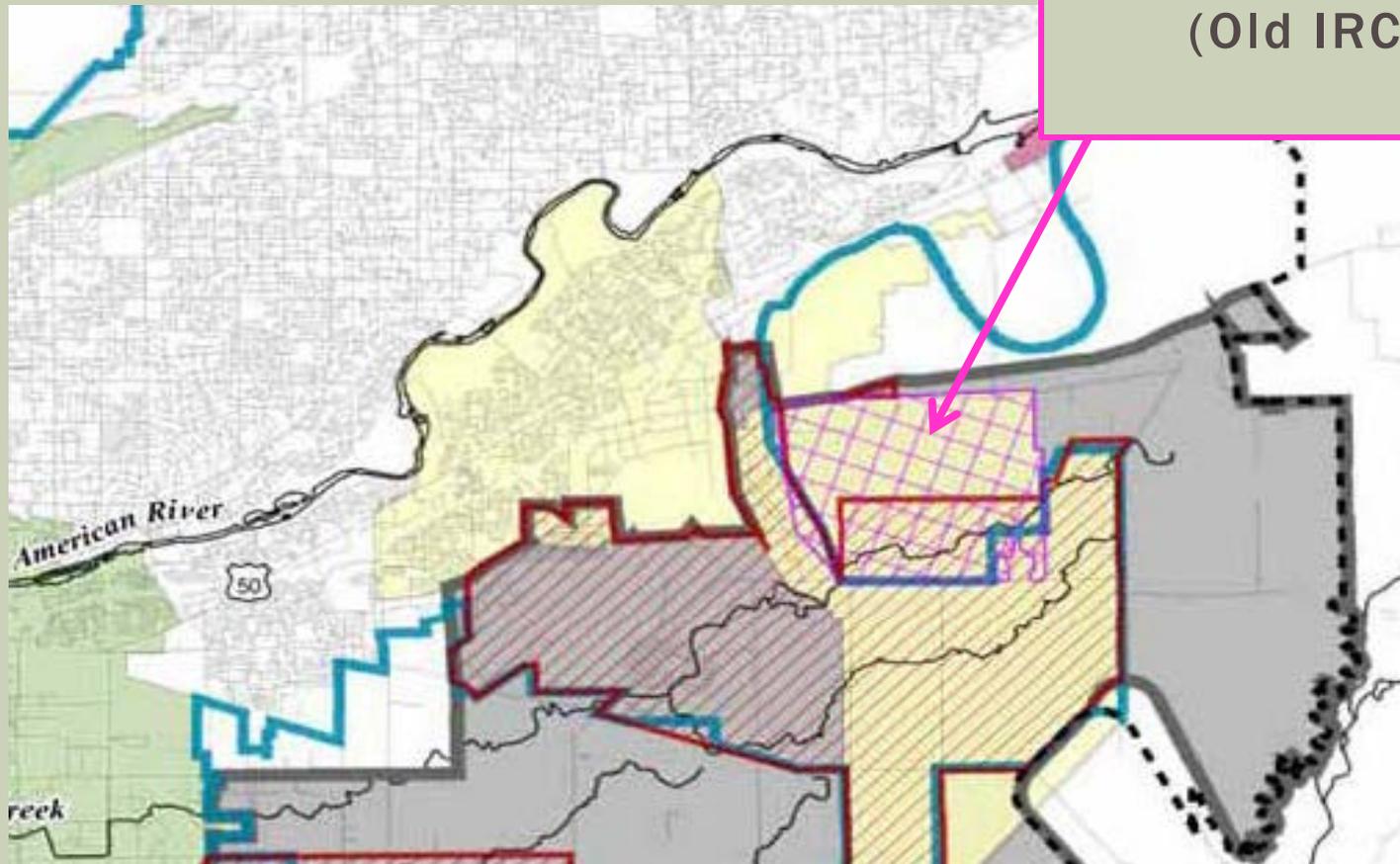
- Site preparation activities
- Excavate and transport burn debris from WRD2 to WRD1
- Consolidate and compact burn debris at WRD1
- Construct a final soil cover at WRD1
- Hydroseed disturbed areas

# OTHER SCHEDULE

- Land use covenant in place (4/2014)
- Long term maintenance & inspection plan (6/2014)
- Closure certification (8/2014)

Tentative dates

# FUTURE – RIO DEL ORO PLAN



Rio del Oro Project Site  
(Old IRCTS site)

# FUTURE – RIO DEL ORO LAND USE PLAN

White Rock Road

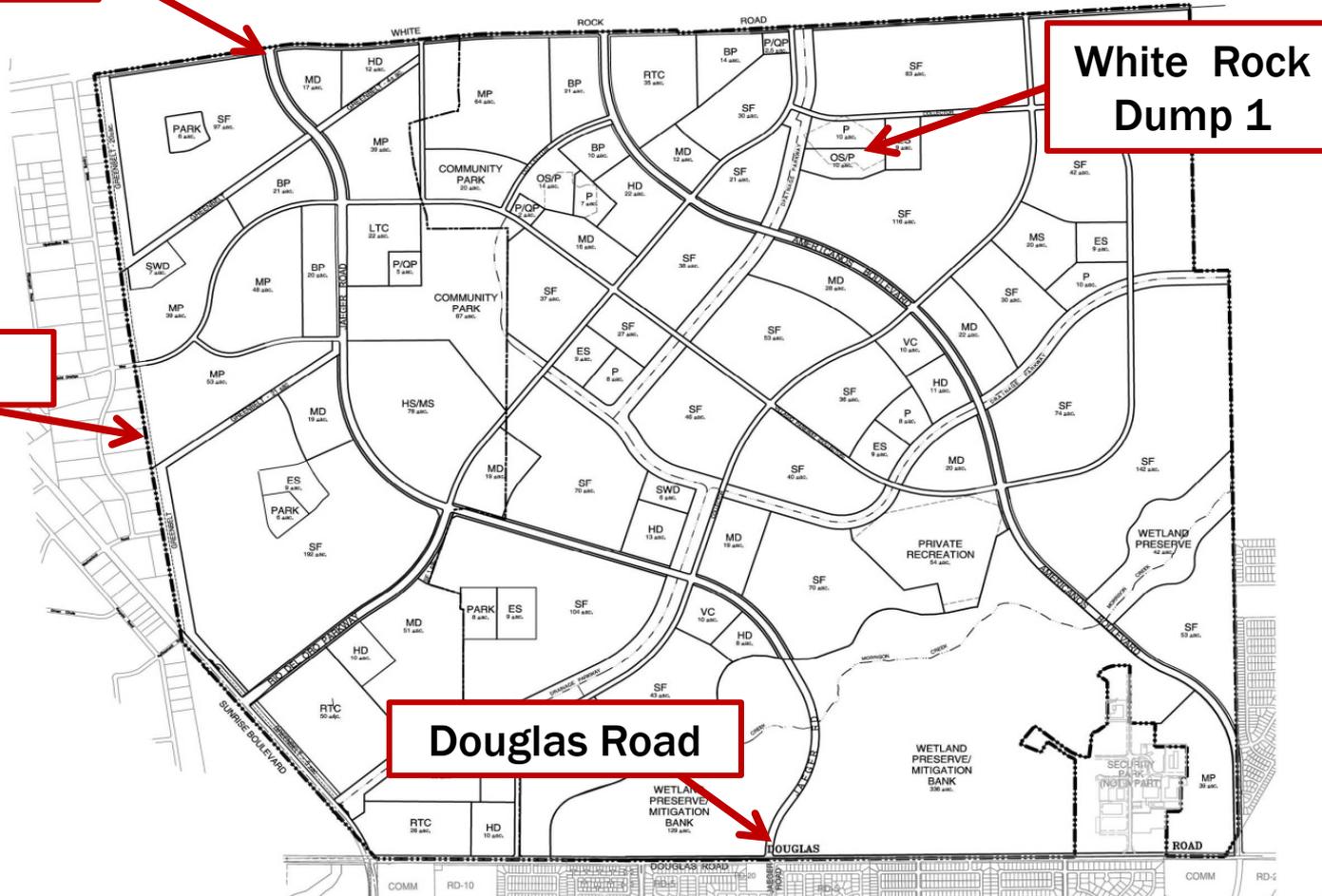
White Rock Dump 1

Sunrise Blvd

Douglas Road

## LAND USE SUMMARY

LAND USE	ACRES	DENSITY RANGE	FREQ. COUNT	UNITS	UNIT %
100 SINGLE-FAMILY RESIDENTIAL	1,297	2.1 TO 6.0	5 DU/AC	7,585	99%
105 MEDIUM-DENSITY RESIDENTIAL	237	6.1 TO 18.0	8 DU/AC	1,896	19%
110 HIGH-DENSITY RESIDENTIAL	86	18.1 TO 40.0	20 DU/AC	1,720	19%
115 VILLAGE COMMERCIAL	20				
120 LOCAL TOWN CENTER	22				
125 REGIONAL TOWN CENTER	111				
130 BUSINESS PARK	86				
135 INDUSTRIAL PARK	282				
140 PUBLIC / QUASI-PUBLIC	9.5				
145 SCHOOL CAMPUS	78				
150 MIDDLE SCHOOL	24				
155 ELEMENTARY SCHOOL	20				
160 COMMUNITY PARK	107				
165 NEIGHBORHOOD PARKS	63				
170 STORM WATER DETENTION	36				
175 WETLAND PRESERVE / MITIGATION BANK	507				
180 OPEN SPACE / RECREATION	4				
185 PRIVATE RECREATION	64				
190 OPEN SPACE / PRESERVE	24				
195 LANDSCAPE CORRIDORS	44				
200 GREENBELTS	50				
205 ROADS	183				
<b>TOTALS:</b>	<b>3628.5</b>			<b>11,601</b>	<b>100%</b>



Source: G. C. Wallace 2006

Rio del Oro Specific Plan Land Use Plan

Exhibit 1

# Q & A



# CONTACT INFORMATION

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