



Bernalillo County South Valley Water System Expansion Project Update

Public Meeting

February 10, 2005





Agenda

- Introductions/Project Background
- Project Implementation – Phase 1
 - Source of Supply
 - Distribution Area
 - Water Storage
- Next Steps
- Questions



Project Background



- Valley Utilities Project
- 2002 South Valley Water System Expansion Project
 - County initiates planning phase of the Water system expansion
 - Extensive Public Involvement (10 CAC & 3 Public Meetings, Public Hearing)

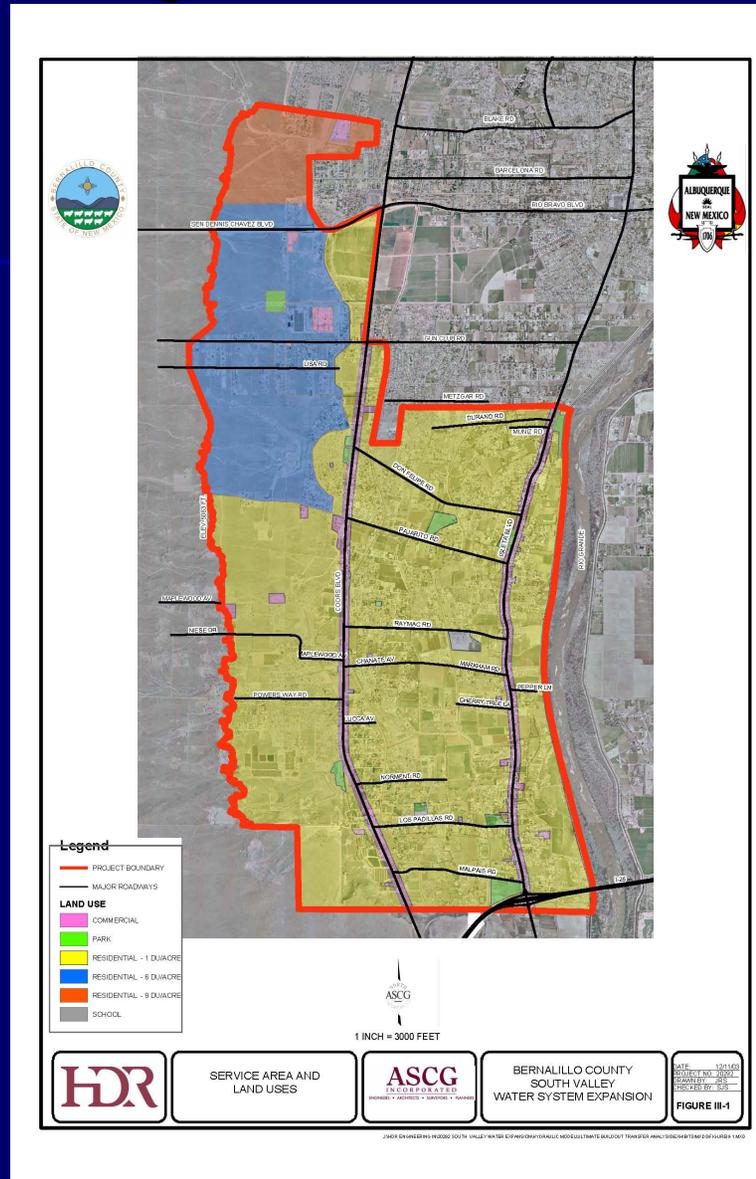


Overall Project Service Area



Suburban Scale of Service:

- 130 gallons/person/day
- Fire protection per UFC
- SWAP Land Use
- Supported by Public/CAC
- System static pressure requirements: 50-100 psi



Source of Water:



- East: Miles Reservoir
- West: West Mesa Reservoir

System Components:

- Transmission Pipelines
- Distribution Piping
- Water storage tank(s)
- Pump station(s)



Project Background



- 2002 South Valley Water System Expansion Project
 - Preparation of Facility Plan (EID and PER) for public comment
 - Update City of Albuquerque Water System Master Plan (1982) for South Valley Area/Pajarito Trunk
- 2004
 - Completion of Environmental Assessment (EA) by EPA
 - EPA issues Finding of No Significant Impact (FONSI)
 - County Initiates Phase 1 Project Implementation



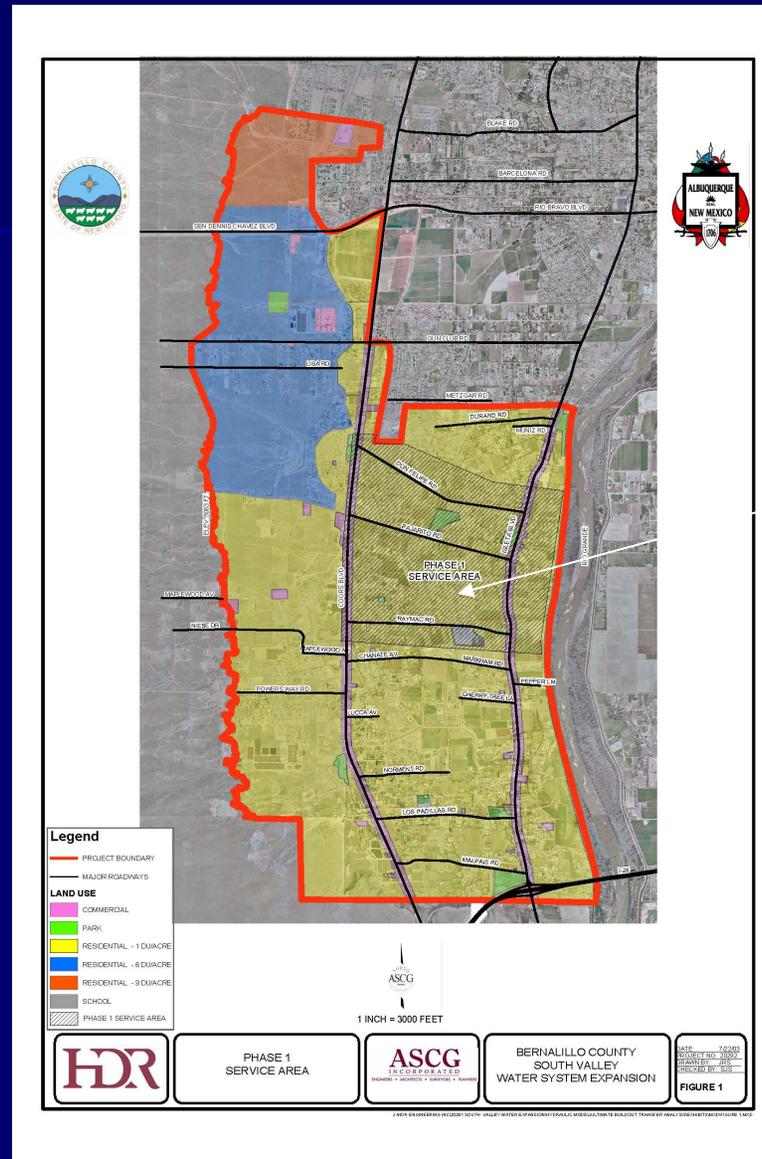


Project Implementation

- Implemented in phases
- Phasing Considerations:
 - Service to existing developed and higher density areas
 - Water quality concerns
 - Source of Supply capability
 - Water Utility guidance
 - Funding
- Phase 1 service area Identified



Phase 1 Project Service Area



PHASE I SERVICE AREA

Phase 1 Boundary:
 North: Don Felipe Rd.
 South : Raymac Rd.
 East: Rio Grande
 West: Coors Blvd



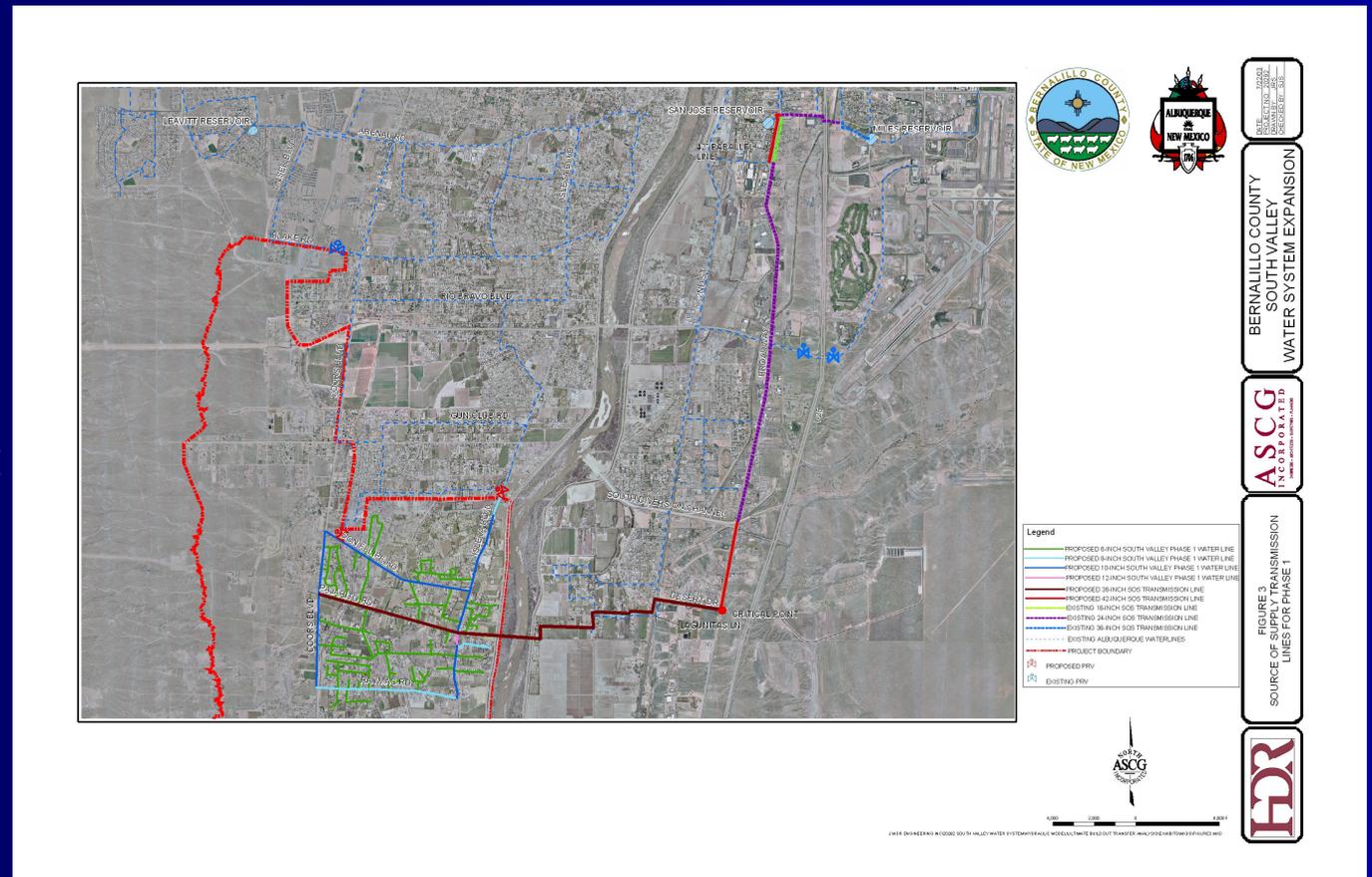
Phase 1 System Components



■ Transmission/Distribution Pipeline Routing:

Considerations:

- Locate piping within established ROW if possible
- Proximity to service area
- Connection to existing Water Utility infrastructure
- Length ~ 7 miles





Phase 1 System Components

■ Transmission Pipeline:



- East Side Source of Supply:
Existing Miles storage reservoir
- 36” and 42” diameter





Phase 1 System Components

- Phase 1 Service Area Distribution System:
 - 8"-12" diameter major distribution piping connecting to transmission pipeline
 - 6" minor distribution piping
 - Fire hydrants
 - Service connections to each legally platted lot



Phase 1 System Components



■ Water Storage Tank and Pump Station:



- Tank storage: 4 million gallons
- Located along Pajarito Road
- Site selection alternatives



Phase 1 System Components



- Pajarito Tank site selection considerations:
 - Integration with existing Water Utility system pressure zones based on land surface elevations
 - Static pressure requirements: 50-100 psi
 - At grade water storage tank
 - Low profile tank height to mitigate visual impacts
 - Required tank water level elevation: 5178 feet



Phase 1 System Components



■ Pajarito Tank site selection considerations:

- Integration with surrounding terrain through earthen berm, vegetation, landscape, etc.
- Proximity to service area ~ geographic center
- Meeting future storage needs



- Site access for operations and maintenance
- Undeveloped/unplatted areas
- Cost



Phase 1 System Components



■ Pump station site selection considerations:



- Proximity to transmission pipeline
- Pump sizing requirements
- Integration with surrounding area (architecture, landscape, lighting, noise, etc.)
- Meeting future needs
- Site access for operations and maintenance
- Cost





Project Implementation

■ Next Steps

- Complete Phase 1 Construction Documents
 - *Bid Package 1: East Side Transmission Pipeline - Start Construction Fall 2005*
 - *Bid Package 2: Distribution System - Start construction Beginning of 2006*
 - *Bid Package 3: Water tank and booster station - Complete Site acquisition and design*
- Secure project funding
- Project updates: Public meetings





QUESTIONS

