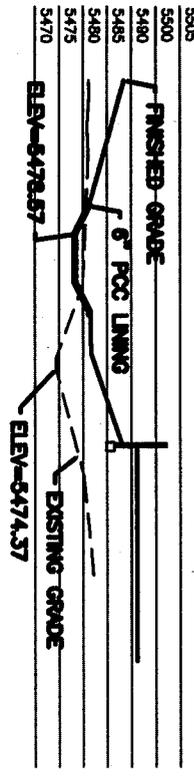
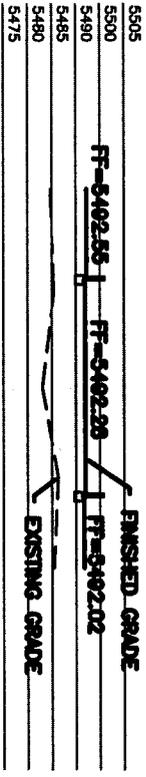


-TOTAL LENGTH AFFECTED-1,248 LF  
 -TOTAL FILL VOLUME-460 CY CONCRETE LINING/4,800 CY ENGINEERED FILL  
 -THE MAIN ARROYO WILL BE SLIGHTLY REALIGNED AND WILL BE ELEVATED TO DECREASE THE REQUIRED LONGITUDINAL SLOPE AND VELOCITIES OF RUNOFF.  
 -THE 100 YEAR 6 HOUR STORM WILL BE CONTAINED WITHIN THE PROPOSED CONCRETE LINED SECTION OF THE CHANNEL. A DETENTION POND WILL BE CONSTRUCTED UPSTREAM OF THE UNSER CROSSING.



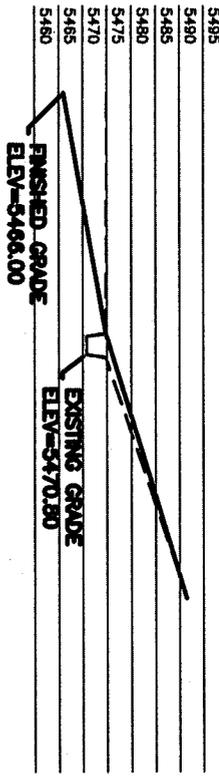
**NO NAME ARROYO**

-TOTAL LENGTH AFFECTED-636 LF  
 -TOTAL FILL VOLUME-2,396 CY ENGINEERED FILL  
 -CENTER OF PROJECT, CURRENTLY ENTERS FROM SOUTH THROUGH 24" CAP (FULLY SILLED) AND ENTERS THE MAIN ARROYO ON SITE.  
 -FLOW WILL BE REROUTED EAST ALONG PINE ROAD (OUTSIDE ROW) TO A PROPOSED RECUR OF AN EXISTING CROSSING. REROUTE WILL BE VIA AN OPEN CHANNEL.  
 -EXISTING TRIBUTARY WILL BE REGRADED AS PART OF PROPOSED SUBDIVISION.



**EASTERN TRIBUTARY**

-TOTAL LENGTH AFFECTED-230 LF  
 -TOTAL FILL VOLUME-180 CY ENGINEERED FILL  
 -EAST PROPERTY LINE  
 -TO BE REALIGNED TO ENTER MAIN CHANNEL/POND 110 FT WEST OF EXISTING ALIGNMENT THIS WILL HELP MINIMIZE EXISTING NEGATIVE IMPACT ON UNSER CROSSING STRUCTURE.



**WESTERN TRIBUTARY**

**TYPICAL CROSS SECTIONS OF EXISTING AND PROPOSED CONDITIONS**

SCALE: 1"=40'

Arroyo and Wetland Fills for Residential Housing Development  
 City of Rio Rancho, Sandoval County, New Mexico  
 Application by: Falcon Ridge, LLC  
 Application No. 200200614  
 Proposed Vs. Existing Channel Cross Sections  
 Sheet 5 of 7

December 19, 2002