



**US Army Corps
of Engineers®**
Albuquerque District

PUBLIC NOTICE

Permit Application No.: SPA-2007-247A-ABQ
Project Name: Arroyo de la Barranca Sewage
Interceptor Line Placement – Project
Modification
Applicant: City of Rio Rancho
Waterway: Arroyo de la Barranca
Public Notice Date: November 10, 2009
Comment Due Date: December 1, 2009
CE Contact Phone: (505) 342-3279

Reply To:

Regulatory Division
US Army Corps of Engineers, Albuquerque District
4101 Jefferson Plaza, NE
Albuquerque, NM 87109-3435

PERMIT APPLICATION UNDER SECTION 404 OF THE CLEAN WATER ACT (33 USC 1344)

Summary of Proposed Project: We are requesting public comment on the following project modification before the above comment due date. The application is for a permit to place/discharge dredged and/or fill material as a sewage utility line placement in the Arroyo de La Barranca (the Barranca) in Rio Rancho, Sandoval County, New Mexico. The project has been modified to remove a 7,818' line segment from a tributary to the Barranca and instead increasing the line placement within the Barranca main channel by 2,200 feet. The City has proposed the modification in order to maintain the tributary's channel integrity. The proposed line segment would exit the Barranca channel at the Idalia Road crossing. The entire project will involve the placement of a total of appx. 11,450' of line in the Barranca. The sewage utility line is described as a high density polyethylene pipe with 28" to 30" diameter. The line would be placed within a trench with a 4' bottom width, a 27' top width, a minimum of 9' deep, with 1:1 side slopes and backfilled after installation. The quantity of fill material proposed to be placed in jurisdictional waters is estimated to be 100,600 cu. yds. Approximately 10.1 acres of waters of the U.S. will be filled with permanent and temporary earthen fill and high density polyethylene pipe. Details of the proposed project are provided below.

Name of Applicant:

City of Rio Rancho, Dept. of Public Infrastructure
POC – R.S. Sensanbaugher, P.E., Eng. Mgr.
3200 Civic Center Circle NE
Rio Rancho, NM 87144
Ph. – (505)891-5016

NEWS RELEASE

CESPA-RD
SPA-2007-247-ABQ

Location: The project is located within the Arroyo de la Barranca drainage in northern Rio Rancho, Sandoval County, New Mexico (35.297015 N Latitude, -106.628067 E Longitude).

Description of Work: To conduct 2,200' of trench excavation and sewage pipe installation longitudinally in a newly-proposed segment within the Barranca. Permanent and temporary impacts in the segment are estimated at 2.02 acres. The project overall includes in-channel trench development and line placement in appx. 11,450 linear feet of the Barranca channel. Total project permanent (trench and line placement) and temporary (sidecast berm) fills in the Barranca are estimated at 10.1 acres. Project activities do not differ between the realigned segment and the remaining in-channel work and are described below.

The trench would be developed with industry-standard heavy equipment and would have a minimum depth of 9', average widths of 27' and 4' at the top and bottom of the trench respectively, and would have 1:1 side slopes. The sewage line would be a 1.75"-thick, high density polyethylene pipe (HDPE ASTM D 1248 and F 894) fused together per ASTM D2657. Pipe diameters would be 28" west of highway NM 528 and 30" to the east of NM 528. The sewer line would incorporate HDPE manholes (ASTM D335-02) at selected intervals. The manholes would also be fused to the HDPE pipeline to create a continuous structure void of mechanical joints within the arroyos. The top of the manholes would be located 5' below existing ground surface. The applicant has estimated that the line could convey 11.76 million gallons per day (MGD) of sewage. The disturbance associated with the trenching, pipe installation, and backfilling would be confined within a 40' width in the arroyos.

Sewage would be conveyed via buried pipe to an existing wastewater treatment plant (WWTP) located upstream of the Barranca's confluence with the Rio Grande. Sewage would be transferred to the WWTP via a combination of two existing lift stations. The total area of fills in waters of the U.S. is 12.4 acres. The applicant has requested to begin work in June 2010 with completion estimated in September 2011.

Purpose and Need: The stated purpose of the project is to provide sanitary sewer service to new school, commercial and residential development, as well as existing and future development within the Arroyo de la Barranca watershed.

Mitigation Proposed by the Applicant: Proposed mitigation includes backfilling the trench to the grade of the arroyo bed and reestablishing vegetation along disturbed arroyo banks. The applicant has also proposed to establish a cyclic monitoring plan for channel scour and erosion. Additionally, internal camera monitoring of line integrity would be conducted on a schedule yet to be determined.

Plans and Data: Drawings showing the location of the work site and other data are enclosed with this notice. If additional information is desired, it may be obtained from the applicant, or from:

Mr. Edward Paulsgrove
Regulatory Division
Albuquerque District, Corps of Engineers
4101 Jefferson Plaza, NE
Albuquerque, NM 87109-3435
(505)342-3279

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Statement of Findings: The District Engineer has consulted the National Register of Historic Places and has identified one cultural site adjacent to the project alignment and outside of the Barranca channel. Consultation with the New Mexico State Historic Preservation Office (NMSHPO) has been initiated. Mitigative conditions, if necessary, would be attached to a Department of the Army Clean Water Act permit. This constitutes the extent of cultural resource investigations by the District Engineer. It is possible, however, that presently unknown archeological, scientific, prehistoric, or historic data may be inadvertently lost or destroyed by the work accomplished under the requested permit. In the event that cultural resources are found, the SHPO will be contacted for advice on the appropriate action to be taken.

The following is a list of endangered (E) and threatened (T) species and/or critical habitat (CH) for Sandoval County, New Mexico:

- | | |
|----------------------------------------------------------------|-------|
| * Black-footed ferret (<i>Mustela nigripes</i>) | E |
| * Mexican spotted owl (<i>Strix occidentalis lucida</i>) | T, CH |
| * Rio Grande silvery minnow (<i>Hybognathus amarus</i>) | E, CH |
| * Southwestern willow flycatcher (<i>Empidonax traillii</i>) | E |

Our preliminary review indicates this project will not impact any threatened or endangered species or critical habitat.

The applicant has applied to the New Mexico Environment Department for certification that this work is in compliance with applicable State water quality standards. The applicant is responsible for obtaining all other required Federal, state, and local authorizations for this work.

In accordance with environmental procedures and documentation required by the National Environmental Policy Act of 1969, an environmental assessment will be prepared for this project. Upon completion, the assessment may be seen at the U.S. Army Corps of Engineers, Albuquerque District Office at the address given above.

Comment: Any comments concerning this project should be received by the District Engineer no later than December 1, 2009. Comments received after the end of the Public Notice comment period will not be considered. However, more time may be given if a request, with a valid reason, is received prior to the suspense date. The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed below. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

NEWS RELEASE

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. The evaluation of the impact of this activity will include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act. All factors relevant to the proposal and the cumulative effects will be considered; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

At the request of the Department of Public Safety, Emergency Management Preparedness, State Coordinator, we are sending a copy of this notice to the local flood plain administrator to apprise the administrator of proposed development within their jurisdiction. In accordance with 44 CFR Part 60 (Flood Plain Management Regulations Criteria for Land Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. The local Flood Plain Administrator is required to perform this review for all proposed development and maintain records of such review. You may contact:

Department of Public Safety
State Floodplain Coordinator
Attn: Mr. Bill Borthwick
email: wborthwick@dps.state.nm.us
Phone: 505-476-9617

If the District Engineer determines that the project complies with the 404(b)(1) guidelines, he will grant the permit unless issuance would be contrary to the public interest.

Any person may request a public hearing. The request must be submitted, in writing, to the District Engineer within 21 days of the date of this notice and must clearly set forth the reasons for holding a public hearing.

Kimberly M. Colloton
Lieutenant Colonel, U.S. Army
District Commander

Enclosure

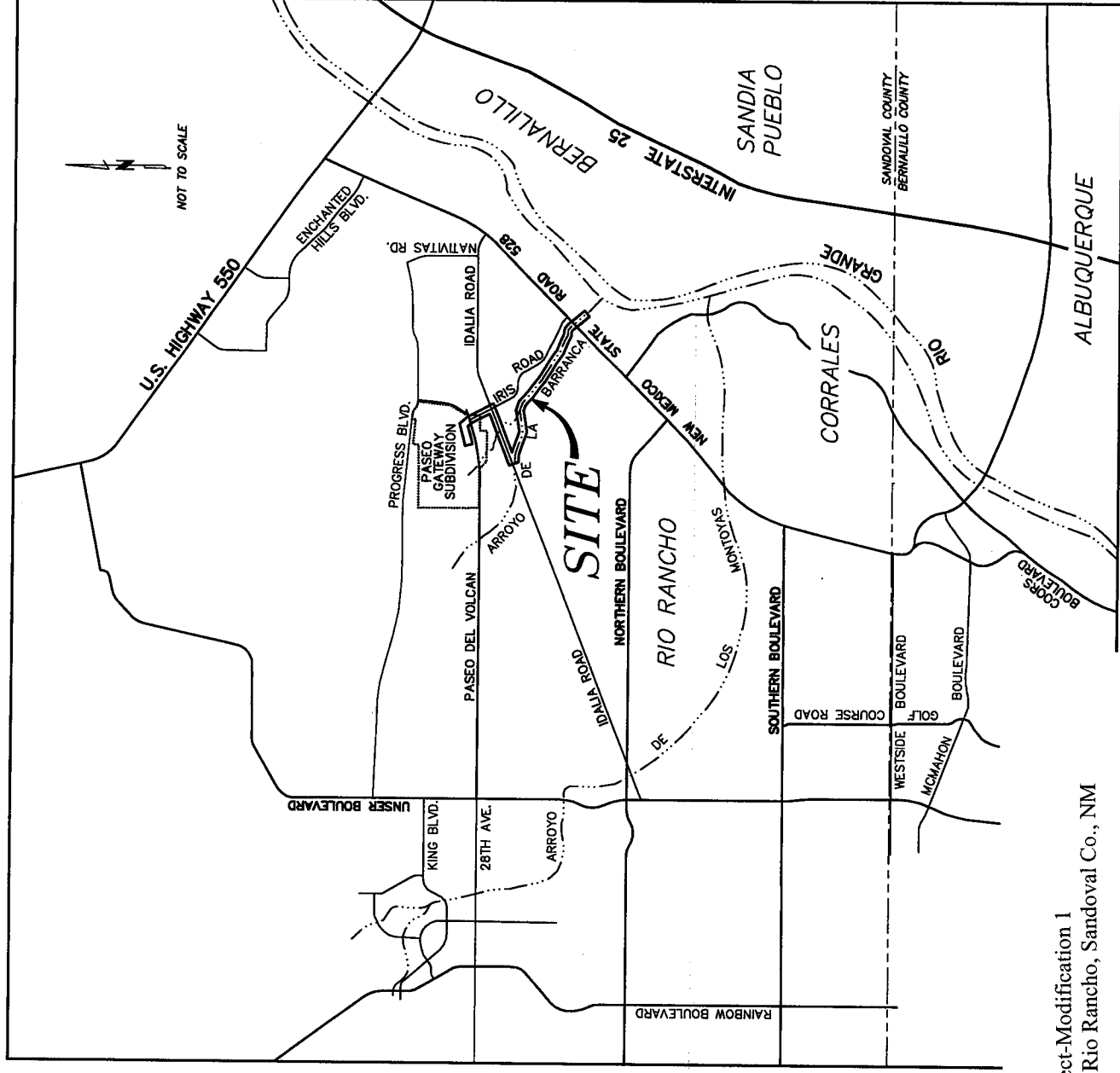
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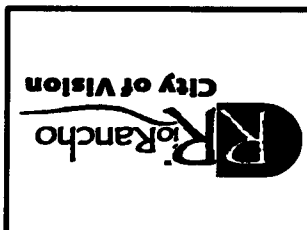
PASEO GATEWAY SUBDIVISION

RIO RANCHO ESTATES UNIT 20
CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO

OFFSITE SANITARY SEWER PLANS



Sewer Interceptor Project-Modification 1
Arroyo de la Barranca, Rio Rancho, Sandoval Co., NM
Location Map
Application by the City of Rio Rancho
Application No. SPA-2007-00247-ABQ
Sheet 1 of 3
November 10, 2009



REVISIONS (OR CHANGE NOTICES)	
NO.	DESCRIPTION
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5	
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7	

HUTT-ZOLLARS
Engineers, Inc.
585 Rio Rancho Drive NE, Suite 101
Rio Rancho, New Mexico 87204
Phone (505) 882-8141
Fax (505) 882-2239

SOUTHWEST
Engineers, Inc.
Phone (505) 882-8141
Fax (505) 882-2239

PROJECT TITLE SHEET
PASEO GATEWAY SUBDIVISION
RIO RANCHO, NM
OFFSITE SANITARY SEWER

PRELIMINARY
NOT FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES.
FOR REVIEW ONLY.
JARROD D. LIKAR
16910
Date: 9/29/09

HUTT-ZOLLARS, INC.
Consulting Engineers
PROJECT NO. T-0088-01
DESIGNED BY: MS
DRAWN BY: MS
CHECKED BY: JL
DATE: SEPT 30, 2009
DPM GRC
SHEET: P1

APPROVALS

DEVELOPER	DATE
AMREP SOUTHWEST, INC.	
CITY OF RIO RANCHO DEPARTMENT OF PUBLIC WORKS - CITY ENGINEER OR DESIGNER	
CITY OF RIO RANCHO DEPARTMENT OF PUBLIC SAFETY - TRAFFIC DIVISION	
CITY OF RIO RANCHO DEPARTMENT OF PUBLIC SAFETY - FIRE DIVISION	
S.S.C.A.F.C.A. EXECUTIVE DIRECTOR	

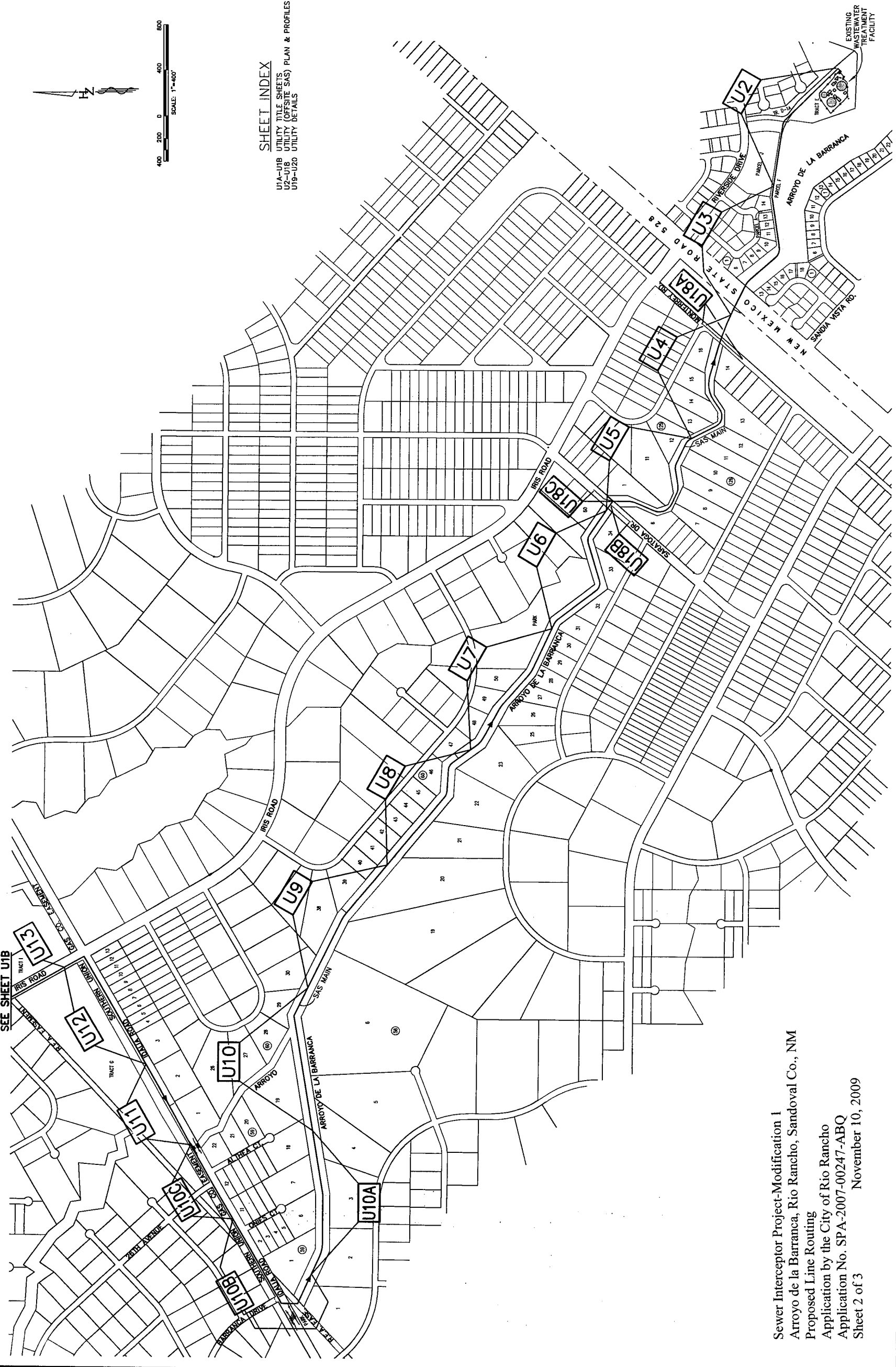
SHEET INDEX
PROJECT TITLE SHEET
GENERAL NOTES
LEGEND AND ABBREVIATIONS
UTILITY TITLE SHEETS
UTILITY PLAN & PROFILE SHEETS
UTILITY DETAILS

- P1
- P2
- P3
- U1A-U1B
- U2-U1B
- U19-U20

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PASEO GATEWAY SUBDIVISION

CITY OF RIO RANCHO
SANDOVAL COUNTY, NEW MEXICO



SHEET INDEX
 U1A-U1B UTILITY TITLE SHEETS
 U2-U1B UTILITY (OFFSITE SAS) PLAN & PROFILES
 U19-U20 UTILITY DETAILS

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
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5			
6			
7			

REVISIONS (OR CHANGE NOTICES)

HUITT-ZOLLARS
 Huitt-Zollars, Inc.
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87144
 Phone (505) 982-5181 Fax (505) 982-9299

SOUTHWEST
 Southwest Engineering, Inc.
 16910
 Date: 9/20/09
 JARRGO D. UKAR

PASEO GATEWAY SUBDIVISION
RIO RANCHO, NM
OFFSITE SANITARY SEWER

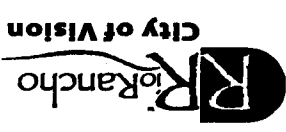
UTILITY TITLE SHEET

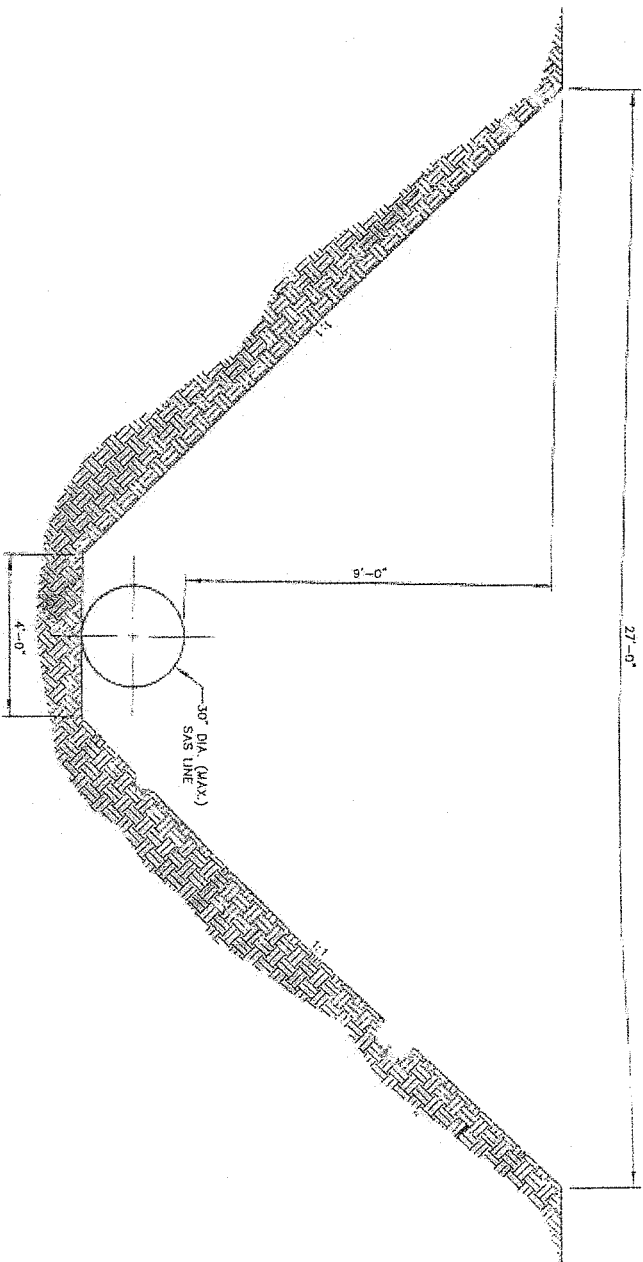
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 JARRGO D. UKAR

16910
 Date: 9/20/09
 HUITT-ZOLLARS, INC.
 Consulting Engineers

PROJECT NO. T7-0698-01
 DESIGNED BY: MS
 DRAWN BY: MS
 CHECKED BY: JD
 DATE: SEPT 30, 2009
 DWG CHK:
 SHEET: **U1A**

Sewer Interceptor Project-Modification 1
 Arroyo de la Barranca, Rio Rancho, Sandoval Co., NM
 Proposed Line Routing
 Application by the City of Rio Rancho
 Application No. SPA-2007-00247-ABQ
 Sheet 2 of 3
 November 10, 2009





SECTION

TYPICAL TRENCH DETAIL
SCALE 1/2"=1'-0"

Sewer Interceptor Project-Modification 1
 Arroyo de la Barranca, Rio Rancho, Sandoval Co., NM
 Typical Trench Cross Section
 Application by the City of Rio Rancho
 Application No. SPA-2007-00247-ABQ
 Sheet 3 of 3
 November 10, 2009