

2. AMENDMENT/MODIFICATION NO. <b>0004</b>	3. EFFECTIVE DATE <b>31 July 2002</b>	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. <i>(If applicable)</i>
6. ISSUED BY <b>U.S. ARMY ENGINEER DISTRICT, ALBUQUERQUE CORPS OF ENGINEERS 4101 JEFFERSON PLAZA, N.E. ALBUQUERQUE, NEW MEXICO 87109-3435</b>		7. ADMINISTERED BY <i>(If other than Item 6)</i>	

8. NAME AND ADDRESS OF CONTRACTOR <i>(No., street, county, State and ZIP Code)</i>	(√)	9A. AMENDMENT OF SOLICITATION NO. <b>DACW47-02-R-0006</b>
	X	9B. DATED <i>(SEE ITEM 11)</i> <b>21 March 2002</b>
		10A. MODIFICATION OF CONTRACTS/ORDER NO.
		10B. DATED <i>(SEE ITEM 13)</i>

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA *(If required)***

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES <i>(such as changes in paying office, appropriation date, etc.)</i> SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER <i>(Specify type of modification and authority)</i>

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)***

**PROJECT: DESIGN/BUILD, WINGATE ELEMENTARY REPLACEMENT SCHOOL, FT. WINGATE, NEW MEXICO**

1. This is Amendment No. 4 to Solicitation No. DACW47-02-R-0006, 21 March 2002. The following revisions shall be incorporated into the specifications and drawings. All other provisions shall remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER <i>(Type or print)</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ <i>(Signature of person authorized to sign)</i>		BY _____ <i>(Signature of Contracting Officer)</i>	

2. Section 00650, WAGE RATES: Delete General Decision Number NM020001, Modification No. 2, in its entirety and replace with General Decision Number NM020001, Modification Number 3, attached hereto.

3. SPECIFICATIONS: Delete the following listed pages and substitute the pages attached hereto. On the revised pages, for convenience, changes are emphasized by the amendment number in parentheses before and after changes from the previous issue. All portions of the revised (or new) pages shall apply whether or not changes have been indicated.

<u>Delete Page</u>	<u>Insert Page</u>
<u>Volume 1 of 3</u>	
00010-5	00010-5
00800-2	00800-2
01010-29	01010-29
01010-31 thru 01010-33	01010-31 thru 01010-33
01010-74	01010-74
01012-16 thru 01012-19	01012-16 thru 01012-19
01580-1	01580-1 thru 01580-2
01590-1	01590-1
01595-1 thru 01595-2	01595-1 thru 01595-2
01610-1	01610-1

Volume 3 of 3

Appendix Index	Appendix Index
--	Appendix L (New appendix)

4. APPENDIX B, PLANNING DOCUMENT FOR THE DESIGN OF WINGATE ELEMENTARY REPLACEMENT SCHOOL, FT. WINGATE, NEW MEXICO:

a. After the Program of Requirements for Wingate Elementary School, page 106, delete "Architectural and Engineering Requirements" pages 2 through 25, and page entitled "Notes for submittal 11-6", in their entirety.

b. Delete "Navajo Nation Environmental Assessment for the Fort Wingate Elementary Replacement School", dated December 15,2000 in its entirety and replace with "Navajo Nation Environmental Assessment for the Fort Wingate Elementary Replacement School", revised June 2002, attached hereto.

1. DRAWING CHANGES: The following drawings have been revised and the sequence number changed to indicate such revision: C1.1, C3.1 and C4.1.

//////////LAST ITEM//////////

## SECTION 00650

### WAGE RATES

General Decision Number **NM020001**

Superseded General Decision No. NM010001

State: **New Mexico**

Construction Type:

BUILDING

HEAVY

County(ies):

STATEWIDE

STATEWIDE - EXCLUDING EDDY AND LEA COUNTIES FOR BUILDING CONSTR  
GENERAL BUILDING AND HEAVY ENGINEERING CONSTRUCTION shall  
include the construction, alteration, repair and demolition of  
buildings, including office buildings, warehouses, industrial an  
commercial buildings, institutional and public buildings, and al  
air conditioning, conduit, heating and other mechanical and  
electrical works and site preparation for building or heavy  
engineering projects under this classification, stadia; and shall  
include electrical, gas, water, sewer lines, and other such  
utility construction which are part of projects under this  
classification and include within the property line or less than  
five (5) feet from the building or heavy engineering structure,  
whichever is closer, provided, however, regard to electrical  
utilities such construction shall include construction from the  
first attachment of incoming power source without regard to the  
property line or proximity to the building or the heavy  
engineering structure; and include construction, alteration,  
repair and demolition of heavy engineering work such as power  
generating plants, pump stations, natural gas compressing  
stations; covered reservoirs and covered sewage and water  
treatment facilities concrete linings for canals, ditches and  
channels; concrete dams; earth dams of one million (1,000,000)  
cubic yards or over; radio towers, ovens, furnaces, kilins,  
silos, shafts and tunnels (other than highway shafts and  
tunnels), hydro-electric projects; and well drilling, telephone  
and electrical transmission lines which are part of GENERAL  
BUILDING AND HEAVY ENGINEERING PROJECTS: mining appurtenances  
such as tripples, washeries and loading and discharging chutes,  
and specialized structures for testing, launching and recovering  
space and other rocket-type missiles.

Modification Number      Publication Date

0	03/01/2002
1	04/05/2002
2	06/21/2002
3	07/05/2002

COUNTY(ies):

STATEWIDE

ASBE0066D 03/01/2002

Rates

Fringes

CURRY, HARDING, LEA, QUAY, ROOSEVELT, UNION COUNTIES

ASBESTOS WORKERS/INSULATORS

(Includes application of all insulating materials, protective coverings, coatings and finishings to all ltypes of mechanical systems and asbestos removal

17.05 4.96

ASBE0076B 01/01/2002

Rates Fringes

STATEWIDE, EXCLUDING CURRY, HARDING, LEA, QUAY, ROOSEVELT & UNION COUNTIES

ASBESTOS WORKERS/INSULATORS

(Includes application of all insulating materials, protective coverings, coatings and finishings to all types of mechanical systems and asbestos removal)

21.72 5.67

LOS ALAMOS COUNTY 23.44 5.67

BOIL0627A 01/01/2001

Rates Fringes

STATEWIDE, EXCLUDING BERNALILLO, CIBOLA, MCKINLEY, RIO ARRIBA, SANDOVAL AND SOCORRO COUNTIES

BOILERMAKERS 19.28 10.89

BRNM0001A 04/01/2002

Rates Fringes

BRICKLAYERS; MARBLE MASONS; STONEMASONS; TILE LAYERS & TERRAZZO WORKERS:

DONA ANA COUNTY 17.20 3.39

GRANT, LUNE, OTERO & SIERRA COS. 19.70 3.39

HIDALGO COUNTY 21.70 3.39

BRNM0001B 04/01/2002

Rates Fringes

BERNALILLO, CATRON, CIBOLA, CHAVES, COLFAX, CURRY, DEBACA, GUADALUPE, HARDING, LINCOLN, LOS ALAMOS, MCKINLEY, MORA, RIO ARRIBA, ROOSEVELT, QUAY, SANDOVAL, SAN JUAN, SAN MIGUEL, SANTA FE, SOCORRO, TAOS, TORRENCE, UNION & VALENCIA COUNTIES

BRICKLAYERS-STONEMASONS 21.53 3.51

MARBLE MASONS, TILE LAYERS & TERRAZZO WORKERS 18.35 3.51

CARP0092A 10/01/2001

Rates Fringes

CARPENTERS, LATHERS, & PILEDRIVERMEN 19.32 4.29

LIGHT COMMERCIAL CONSTRUCTION\*\* 16.46 2.20

\*\*SEE DEFINITION AT THE END OF TRUCK DRIVERS

MILLWRIGHTS:

ZONE I 21.75 4.29

ZONE II 24.00 4.29

BASING POINTS FOR MILLWRIGHTS ONLY FROM ALBUQUERQUE CITY HALL

ZONE I            0 TO 15 ROAD MILES  
 ZONE II           15 TO 35 ROAD MILES

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 ELEC0583B 06/01/2002

	Rates	Fringes
ELECTRICIANS		
Zone I	17.60	4.25%+4.30
Zone II	19.55	4.25%+4.30
CABLE SPLICERS:		
Zone I	17.85	4.25%+4.30
Zone II	19.80	4.25%+4.30

Zone 1: The area within a 25 mile radius from the downtown Post Office in El Paso, TX. Ft Bliss and Biggs Field proper to be included in this free zone. The area within a 15 mile radius from the Post Office in Las Cruces, **NM** and within a 5 mile radius from the Post Office in Alamogordo, Deming and Lordsburg. The area 10 miles East and 10 miles West of Interstate 10 between El Paso, Texas and Las Cruces, **NM**.

Zone 2: Dona Ana, Otero, Luna and Hidalgo Counties (except that area in Zone 1.

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 \* ELEC0611B 07/01/2002

	Rates	Fringes
COMMERCIAL LINE WORK (also applies to switching stations and substations adjacent to power plants):		
Bernalillo, Catron, Chaves, Cibola, Colfax, Curry, DeBaca, Grant, Guadalupe, Harding, Lincoln, Los Alamos (USE ZONE 3 RATES), McKinley, Mora, Quay, Rio Arriba, Roosevelt, Sandoval, San Juan, San Miguel, Santa Fe, Sierra, Socorro, Taos, Tarrant, Union, Valencia & White Sands Missile Range and that portion of Fort Bliss in <b>New Mexico</b> .		

Lineman - Technicians:

Zone I	23.05	3.5%+5.95
Zone II	25.12	3.5%+5.95
Zone III	26.51	3.5%+5.95
Zone IV	29.04	3.5%+5.95

Cable Splicers:

Zone I	25.36	3.5%+5.95
Zone II	27.43	3.5%+5.95
Zone III	28.82	3.5%+5.95
Zone IV	31.35	3.5%+5.95

Equipment Op. (includes helicopter op.) and

Equipment Mechanic (includes helicopter mechanic):

Zone I	21.88	3.5%+5.95
Zone II	23.95	3.5%+5.95
Zone III	25.34	3.5%+5.95
Zone IV	27.87	3.5%+5.95

Powderman:

Zone I	20.07	3.5%+5.95
Zone II	22.14	3.5%+5.95
Zone III	23.53	3.5%+5.95
Zone IV	26.06	3.5%+5.95

Groundman - Jackhammer Op.:

Zone I	16.35	3.5%+5.95
Zone II	18.42	3.5%+5.95

Zone III	19.81	3.5%+5.95
Zone IV	22.34	3.5%+5.95
Zone 1	Basic Wage Rates	

City	Miles From Main Post Office
*Albuquerque	25 miles
Santa Fe	10 miles
Las Vegas	8 miles
Farmington	6 miles
Raton	6 miles
Tucumcari	6 miles
Gallup	10 miles
Roswell	12 miles
Ruidoso	12 miles
Portales	12 miles
Carrizozo	12 miles
Clovis	12 miles
Belen	12 miles
Los Lunas	12 miles
Espanola	14 miles

\*The eastern edge of the Albuquerque Zone extends no further than the western boundary of the Village of Tjieras.

Zone 2 extending up to twenty (20) miles beyond Zone 1, EXCEPT ALBUQUERQUE.

Zone 3 extending up to thirty (30) miles beyond Zone 1, EXCEPT ALBUQUERQUE.

Zone 4 anything beyond thirty (30) miles from Zone 1, EXCEPT ALBUQUERQUE.

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ELEC0611C 06/02/2002

	Rates	Fringes
ELECTRICIANS:		
Bernalillo, Santa Fe, Torrance, DeBaca, Guadalupe, Quay, San Miguel, Mora, Harding, Union, Colfax, Taos, Rio Arriba, Grant, Sandoval, Valencia, Socorro, Catron, McKinley, Sierra, San Juan, Chaves, Curry, Lincoln, Cibola & Roosevelt Counties		

Zone 1		
Electricians	23.05	7.07
Cable Splicers	25.36	7.07
Zone 2		
Electricians	25.12	7.07
Cable Splicers	27.43	7.07
Zone 3		
Electricians	26.51	7.07
Cable Splicers	28.82	7.07
Zone 4		
Electricians	29.04	7.07
Cable Splicers	31.35	7.07

City	Miles From Main Post Office
Albuquerque	40 miles
Belen	12 miles
Carrizozo	12 miles
Clovis	12 miles
Espanola	14 miles
Farmington	6 miles

Gallup	10 miles
Las Vegas	8 miles
Los Lunas	12 miles
Portales	12 miles
Raton	6 miles
Roswell	12 miles
Ruidoso	12 miles
Santa Fe	10 miles
Tucumcari	6 miles

Zone 2 extending up to twenty (20) miles beyond Zone 1, EXCEPT ALBUQUERQUE.

Zone 3 extending up to thirty (30) miles beyond Zone 1, EXCEPT ALBUQUERQUE.

Zone 4 anything beyond thirty (30) miles from Zone 1, EXCEPT ALBUQUERQUE.

FOR ESTABLISHING THE OUTLYING ZONES FROM THE ALBUQUERQUE FREE ZONE ONLY, ZONE 2 SHALL EXTEND UP TO TEN (10) MILES BEYOND ZONE 1, ZONE 3 SHALL EXTEND UP TO TWENTY (20) MILES BEYOND ZONE 1, AND ZONE 4 ANYTHING BEYOND TWENTY (20) MILES FROM ZONE 1.

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 ELEC0611D 06/02/2002

	Rates	Fringes
LOS ALAMOS CO.		
ELECTRICIANS	26.51	7.07
CABLE SPLICERS	28.82	7.07

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 ELEC0611E 06/02/2002

	Rates	Fringes
EDDY AND LEA COUNTIES:		
ZONE A		
ELECTRICIANS	21.50	7.07
CABLE SPLICERS	22.58	7.07
ZONE B		
ELECTRICIANS	21.95	7.07
CABLE SPLICERS	23.03	7.07
ZONE C		
ELECTRICIANS	22.10	7.07
CABLE SPLICERS	23.18	7.07
ZONE D		
ELECTRICIANS	22.35	7.07
CABLE SPLICERS	23.43	7.07

ZONE A DISPATCH POINTS

- Artesia - 12 miles
- Carlsbad - 12 miles
- Hobbs - 12 miles
- Lovington - 12 miles

Zone A shall be designated from the Main Post Office of Artesia, Carlsbad, Hobbs and Lovington, **New Mexico**.

Zone B extending up to ten (10) miles beyond Zone A.

Zone C extending up to twenty eight (28) miles beyond Zone A.

Zone D anything beyond twenty-eight (28) miles beyond Zone A.

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 ELEC0611I 01/01/2000

	Rates	Fringes
COMMERCIAL LINE WORK (also applies to switching stations adjacent to power plants):		
Eddy and Lea Counties:		

Lineman - Technicians:		
Zone I	19.00	3.75%+5.15
Zone II	19.45	3.75%+5.15
Zone III	19.60	3.75%+5.15
Zone IV	19.85	3.75%+5.15
Cable Splicers:		
Zone I	19.35	3.75%+5.15
Zone II	19.80	3.75%+5.15
Zone III	19.95	3.75%+5.15
Zone IV	20.20	3.75%+5.15
Equipment Op. and Mechanics (includes Helicopter Op. & Mechanic):		
Zone I	18.05	3.75%+5.15
Zone II	18.50	3.75%+5.15
Zone III	18.65	3.75%+5.15
Zone IV	18.90	3.75%+5.15
Powderman		
Zone I	16.53	3.75%+5.15
Zone II	16.98	3.75%+5.15
Zone III	17.13	3.75%+5.15
Zone IV	17.38	3.75%+5.15
Groundman - Jackhammer Op.:		
Zone I	13.49	3.75%+5.15
Zone II	13.94	3.75%+5.15
Zone III	14.09	3.75%+5.15
Zone IV	14.34	3.75%+5.15

FROM THE MAIN POST OFFICE OF ARTESIA,  
CARLSBAD, HOBBS & LOVINGTON, **NEW MEXICO**

  ZONE I - 0 to 12 miles  
  ZONE II - 12 miles to 22 miles  
  ZONE III - 22 miles to 40 miles  
  ZONE IV - 40 miles and beyond

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ELEC0611Z 01/01/2000

	Rates	Fringes
COMMERCIAL LINE WORK (ALSO APPLIES TO SWITCHING STATIONS AND SUBSTATIONS ADJACENT TO POWER PLANTS):		
Dona Ana, Hidalgo, Luna and Otero Cos., exclusive of White Sands Missile Range and that portion of Fort Bliss in <b>New</b>		
<b>Mexico</b>		
Linemen - Technicians		
Zone I	16.85	3.75%+3.30
Zone II	18.80	3.75%+3.30
Cable Splicers		
Zone I	17.19	3.75%+3.30
Zone II	19.18	3.75%+3.30
Equipment Op. (includes Helicopter Op.):		
Zone I	14.66	3.75%+3.30
Zone II	16.36	3.75%+3.30
Equipment Mechanic (includes Helicopter Mech.):		
Zone I	14.66	3.75%+3.30
Zone II	16.36	3.75%+3.30
Powderman:		
Zone I	14.15	3.75%+3.30

Zone II	15.79	3.75%+3.30
Groundman - Jackhammer Op.:		
Zone I	11.96	3.75%+3.30
Zone II	13.35	3.75%+3.30

ZONE I:

a. The area within a 25 mile radius from the Downtown Post Office in El Paso, Texas. Fort Bliss and Biggs Field Property to be included in this Free Zone. Fort Bliss and Biggs Field to be defined by official U.S. Government Map

b. The area within a five mile radius of any city, town, or municipality within which an employer establishes or maintains his permanent place of business.

c. The area within a fifteen mile radius from the Post Office in Las Cruces, **New Mexico**, and within a five mile radius from the Post Office in Alamogordo, Deming, and Lordsburg, **New Mexico**.

d. The area ten miles East and ten miles West of Interstate 10, between El Paso, Texas and Las Cruces, **New Mexico**.

ZONE II: All other areas of the jurisdiction except those specified in Zone I.

\* ELEV0131A 07/01/2002

	Rates	Fringes
ELEVATOR CONSTRUCTORS:		
MECHANIC	23.775	7.455+a

FOOTNOTE: a. Under 5 years service 6%; over 5 years service 8%.  
7-Paid Holidays New Years Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day.

ENGI0953C 04/01/2002

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
HEAVY CONSTRUCTION:		
ZONE 1:		
GROUP I	15.57	3.15
GROUP II	16.96	3.15
GROUP III	17.11	3.15
GROUP IV	17.32	3.15
GROUP V	17.38	3.15
GROUP VI	17.52	3.15
GROUP VII	17.64	3.15
GROUP VIII	19.08	3.15
ZONE 2:		
GROUP I	18.07	3.15
GROUP II	19.46	3.15
GROUP III	19.61	3.15
GROUP IV	19.82	3.15
GROUP V	19.88	3.15
GROUP VI	20.02	3.15
GROUP VII	20.14	3.15
GROUP VIII	21.58	3.15
ZONE 3:		
GROUP I	19.57	3.15
GROUP II	20.96	3.15
GROUP III	21.11	3.15
GROUP IV	21.32	3.15
GROUP V	21.38	3.15

GROUP VI	21.52	3.15
GROUP VII	21.64	3.15
GROUP VIII	22.08	3.15

SHAFT AND TUNNEL WORK - \$.15 per hour above regular rate.

HAZARDOUS PAY - The following pay shall be applicable for every hour an operating engineer is required by governmental regulations and does wear special equipment for hazardous work at the designated levels. This is applicable in all three zones

LEVEL C - 10% above regular hourly wage

LEVEL B - 10% above regular hourly wage

LEVEL A - 15% above regular hourly wage

#### ZONE PAY

The reference point for determining zone pay shall be from the intersection of Interstate Highway 25 and Interstate Highway 40 (the Big "I") in Albuquerque.

ZONE I - Albuquerque - 0 to 50 mile radius from the Big "I" shall be a Free Zone

- Farmington - 0 to 15 mile radius of Farmington City Hall shall be a Free Zone

Zone II - Shall be \$2.50 per hour above base pay. Will apply outside of above parameters up to 35 miles

Zone III - Shall be \$1.50 cents per hour above Zone II for a total of \$4.00 per hour and will apply after 35 miles of Zone I's parameters.

#### POWER EQUIPMENT OPERATOR CLASSIFICATIONS

##### GROUP I

Fireman, Oiler Screeedman, Scale Operators, Rubber Tired farm type tractor, tractors under 50 hp w/o attachments, Breakman, Concrete Paving Curbing Machine (Bridge-Type).

##### GROUP II

Rollers, Sheepsfoot or Pneumatic Self-Propelled w/o Dozer, Concrete Conveyor, Service Truck operator, Air compressor (315 CFM & Over), Pumps (6" & Over), Screening plants, Concrete Mixers (Under 1 CY), Concrete Saw or grinder-span type, 1 Drum Hoist (tugger), Air Tugger, Elevating Belt Type Loaders, Forklift, Lumber Stacker, Tractor Farm Type (under 50 HP w/Attachments), Motorman and Industrial Locomotive op., Winch Truck, Front End Loaders (under 2 CY), Power Plants which Generate Over 15 KW., Welding Machines.

##### GROUP III

Bituminous Distributors, Boilers, Retort & Hot Oil Heaters Concrete Mixers, (1 CV & Over), Conc. Paver-Single Drum, Drilling Equip., Motor Grader (rough), Shaft and Tunnel Equipment: (Refrigeration, slusher, jumbo forms), Trenching Machines (all types), Pump crete and gunite machines, Slipform Paver, Mechanical Bullfloats, Concrete Slab Spreading Machine, Concrete Slab Finishing Machine, Space Heaters, Bituminous Finishing Machines, Water Carrier (all types), Concrete Cleaning Decontamination Machine Operator, Horizontal Directional Drill Locator.

##### GROUP IV

Front End Loaders (2 thru 10 CY), Rollers Steel Wheeled-All Types, Bulldozer, Scrapers (Motor or Towed), Elevating Graders Self-Propelled Rollers - Equipped W/Dozer, Twin-Bowl Scrapers and Quad 8 or 9 pushers (35 cents over basic rate), Three bowl scrapers (60 cents over basic rate), Backhoes up to 3/4

yard bucket, Head Oiler (Service Truck Operator).

GROUP V

Hydraulic Cranes-With less than 50 feet of Boom (20 Tons and Under), Concrete Paver-Double Drum, Cat Cranes, Hysters, 2 Drum Hoist, Auto Fine Grade.

GROUP VI

Mucking Machines-All Types

GROUP VII

Steam Engineers, Loader (Front End Over 10 CV) Concrete Pump (Snorkel Type), Concrete batching plants and Asphalt plants, Crushing plants, Hot plants.

GROUP VIII

All Shovel Type Equipment, Cranes, Draglines, Backhoes over a 3/4 yard bucket, Derricks Guy and Stiff Leg, Pipe mobile (No 2 Operator), Piledriver, Hydraulic Cranes (20 Tons & Over), Mine Hoist, Belt Loader ("C.M.I." Type), Boom and Jibs 150 ft. Through 199 ft.-\$.50 per hour above base pay, 200 ft and over-\$1.00 per hour above base pay. Shovel (Wheel Type), Boring Machine (Tunnel or Shaft Mole), Pipe Mobile, Side and swing-boom cats, Motor grader (finish), Mechanic-Welder, Heavy Equipment Robotics Operator/Mechanic, Ultra High Pressure Waterjet Cutting Tool System Operator/Mechanic, Vacuum Blasting Machine Operator/Mechanic, Mater Environmental Maintenance Mechanic, Horizontal Directoral Drill Operator.

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ENGI0953E 11/01/2001

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
BUILDING CONSTRUCTION:		
GROUP I	15.65	3.00
GROUP II	17.16	3.00
GROUP III	17.28	3.00
GROUP IV	17.56	3.00
GROUP V	17.69	3.00
GROUP VI	17.83	3.00
GROUP VII	17.93	3.00
GROUP VIII	19.93	3.00

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP I

Fireman, Oiler, Screedman, Scale op. such as Bin-a-Batch, Rubber Tired Farm Type Tractor, Tractors under 50 hp w/o Attachments, Brakeman, Concrete Curing Machine(Bridge Type).

GROUP II

Rollers, Sheepsfoot or Pneumatic Self-Propelled w/o Dozer, Concrete Conveyor, Service Truck op. (Head Oiler), Air Compressor (600 CFM & Over), Pumps (6" & Over), Screening Plants, Concrete Mixers (Under 1 CY), Concrete Saw or Grinder-Span Type, 1 Drum Hoists, Elevating Belt Type Loaders, Lumber Stacker, Tractor Farm Type (under 50 HP w/Attachments), Winch Trucks, Front End Loader (under 2 CY), Welding Machines, Cat Head Winch, Power Plants which generate over 15 KW, Oiler with CDL, Concrete Curbing Machine.

GROUP III

Bituminous Distributors, Boilers, Retort & Hot Oil Heaters Concrete Mixers, (1 CY & Over), Concrete Paver-Single Drum, Drilling Equip., Shaft and Tunnel Equipment: Refrigeration, Slusher, Jumbo forms, Trenching Machines (all Types), Pump

Crete & Guniting Machines, Slipform Paver, Mechanical Bullfloats, Concrete Slab Spreading Machine, Concrete Slab Finishing Machine, Asphalt Plants, Bituminous Finishing Machines, Crushing Plants, Certified Forklift.

GROUP IV

Front End Loaders (2 thru 19 CY), Rollers Steel Wheeled-All Types, Bulldozer, Scrapers (Motor or Towed), Elevating Graders Concrete Batching Plants, Self-Propelled Rollers - Equipped W/Dozer, Twin-Bowl Scrapers and Quad 8 or 9 Pushers (\$.35 Over Basic Rate), Three Bowl Scrapers (\$.60 Over Basic Rate), Bobcat w/Hydraulic Backhoes with buckets up to one and one quarter cubic yards, Motor Grader (Rough), Small Articulating Trucks.

GROUP V

Concrete Paver, Double Drum, Two Drum Hoist, Auto Fine Grader Hysters, Forklift over 2,000 lbs. Lifting Capacity

GROUP VI

Mucking Machines-All Types, Tractor with Hydraulic Backhoe, Backhoes with Buckets up to one and one quarter cubic yards.

GROUP VII

Hydraulic Cranes with less than 50 feet of boom (20 tons and under), Steam Engineers, Loaders (Front end over 10 cubic yards), Concrete Pump (Snorkel Type), Heavy Equipment Low Boy Driver with CDL, Mining Machine, Roof Bolting Machine, Shuttle Car.

GROUP VIII

All Shovel Type Equipment, Side Boom Cats, Cranes, Draglines, Track or Excavator Backhoe, Backhoes with Buckets over one and one quarter cubic yards, Derricks, Guy and Stiff Leg, Pipemobile (No.2 Operator), Pile Driver, Hydraulic Cranes (20 ton and over), Mine Hoists, Belt Loader (C.M.I. type) Cranes and Draglines with Booms over 150 ft. through 199 feet \$.75 above base rate per hour additional; 200 feet and over \$1.00 above base rate per hour additional, Shovel (Wheel type), Boring Machine (Tunnel or Shaft Mode), Pipe Mobile, Motor Grader (Finish), Mechanic, Welder, Mobile Pipeline Inspection Camera, Operator/Rigger, Crane Inspector, Continuous Mining Machine, VAC Jet Rodder, Equipment Instructor.

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IRON0263D 06/01/2002

	Rates	Fringes
CHAVES, CURRY, DONA DNA, EDDY, GRANT, HARDING, HIDALGO, LEA, LUNA, OTERO, QUAY, ROOSEVELT, SIERRA AND UNION COUNTIES IRONWORKERS: Ornamental; Structural and reinforcing	18.79	4.35

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IRON0495A 06/01/2002

	Rates	Fringes
BERNALILLO, CATRON, CIBOLA, COLFAX, DeBACA, GUADALUPE, LINCOLN, LOS ALAMOS, TAOS, McKINLEY, MORA, RIO ARRIBA, SAN JUAN, SAN MIGUEL, SANDOVAL, SANTA FE, SOCORRO, TORRANCE, VALENCIA COUNTIES IRONWORKERS: Ornamental; Structural and reinforcing	18.00	7.53

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LABO0016A 10/01/2001

	Rates	Fringes
LABORERS:		
BUILDING CONSTRUCTION:		
GROUP I	12.19	2.40
GROUP II	12.78	2.40
GROUP III	13.50	2.40
GROUP IV	14.97	2.40

LABORER CLASSIFICATIONS

GROUP I: Chainmen, Stakedrivers, Stake Hopper, Heater Tenders, Pick and Shovel Work, Window Cleaning and Clean up, Flagman, Landscaping and Planter, Fence Builder, Guardrail Builder, Unloading of Furniture and Fixtures, Shop Helper. (Chainman and Stakedrivers working solely for an engineering firm are not subject to this agreement.)

GROUP II: Carpenter Tenders, Concrete Workers, Concrete Buggy Operators, Industrial and Plant Laborers, Fire Watch, Swinging Scaffolds Tender, Fine Grader, Form Stripper, Gabian Basket Builders, Rip Rap Stoneman, Drywall, Stocking and Handling, Fly Ash Vacuum Operator, Man Hole Builder, Tool Room Person and Checker on Jobsite.

GROUP III: Electric Air and Gas Operated Power Tools, Asphalt Rakers, Chain Saw Operators, Oxy Gasoline Torch Operators, Cutting Torch Operators or Burner Person, Guniting Rebound Men, Fog Machine Operators, Power Buggy Operators, Rodmen, Sandblasters (potmen), Wagon Drill and Diamond Core Driller, Air Track, Drill Operator Hydraulic Core Drill Diamond, Tenders Outside with Pumps under 6", Concrete Burners, Cement Mason Tenders, Plasterers Hodcarriers, Mortar Mixer, Plaster Spreader Operators, Plaster Tenders, Guniting Nozzlemen, Pipelayer, Pumpcrete Nozzlemen, Powdermen Tender Demolition, Grade Checker, Vibrator Operator, Concrete Saw Operators, Stone Mason Tender, Jack Hammer and Chipping Hammer Operator, Green Cutter High Pressure Air and Water on Concrete Blaster, Pipelayer (includes but not limited to water pipe, sewer pipe, drainage pipe, pvc, and all underground tile, pipe), Cast Iron Concrete pipe, unloading, handling, distribution, and installation.

GROUP IV: Asbestos Abatement Laborer, Toxic and Hazardous Waste Removal Laborer, Lead Base Paint Removal Laborer, Laborer/Concrete Specialist, Pest Technician (Licensed by the Bureau of Rodent Management), State Licensed Powder man and, Blaster, Laborers AGC Certified Scaffold Builder Laborer, or Hydromobile Scaffold Builder, Radiation Worker II.

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LABO0016C 04/01/2002

	Rates	Fringes
LABORERS:		
HEAVY CONSTRUCTION:		
ZONE 1:		
GROUP I	13.39	2.45
GROUP II	14.14	2.45
ZONE 2:		
GROUP I	15.89	2.45
GROUP II	16.64	2.45
ZONE 3:		
GROUP I	17.39	2.45
GROUP II	18.14	2.45

LABORER CLASSIFICATIONS

GROUP I: Construction and General Laborers, Carpenter Tenders, Concrete Workers, Stakedrivers, Concrete Buggy Operators, Hand Flagman.

GROUP II: Air and Power Tool Operators, Asphalt Rakers, Chain Saw Operators, Cutting Torch Operators, Demolition, Gunite Rebound Men, Rod and Chainmen, Grade Setters, Power Buggy Operators, Sand Blasters (pot men), Nozzleman, Wagon Core and Diamond Drillers Tenders, Outside Scalers, Fog Machine Operators, Air, Gas, Hydraulic Tool and Electrical Tool Operators, Barco Hammers Cutting Torches, Drill, Diamond and Core Drills, Electric Hammers, Jackhammers, Hydraulic Jacks, Tampers, Air Tampers, Concrete Processing Material, Form-Setters, Airport Runways, Operators of Concrete Saws on Pavement (other than gangsaws) Power Operated Concrete Buggies, Hot Asphalt Labor, Paving Breakers, Cofferdams, Buxtenders, Caissons 8' to 12', Jack-Hammer Operators in Caissons over 12', Labor Applicable to Pipe Coating or Wrapping, Pipe Wrappers, Plant and Yard, Relining Pipe, Hydroliner (a plastic may be used to waterproof), Pipelayer on Underground Bores, Sewer, Monitors, Jeep Holiday Detector Men, Pump Operators, Rakers, Vibrators, Hydro-Boom, Mixer Man, Gunnite Nozzlemen, Shortcrete Operator, Timberman, Timber and Chain Saws, Sand Blasters, Licensed Powdermen, Powdermen and Blasters, Siphons, Signalmen, Grade Checker.

ZONE PAY

The reference point for determining zone pay shall be from the intersection of Interstate Highway 25 and Interstate Highway 40 (The Big "I") in Albuquerque.

ZONE 1 - FREE ZONE - 0 to 50 miles

ZONE 2 - 50 to 85 miles from reference points. \$2.50 per hour above base wage.

ZONE 3 - over 85 miles from reference points. \$4.00 per hour above base wage.

Workmen employed on work forty (40) or more feet above the ground or above a solid floor, deck, or flat roof shall receive premium pay as follows:

40 to 80 feet - \$0.25 per hour  
 80 to 120 feet - \$0.50 per hour  
 120 to 160 feet - \$0.75 per hour  
 above 160 feet - \$1.00 per hour

SHAFTS, RAISES, MISSILE SILOS, AND ALL OTHER UNDERGROUND WORK (EXCLUDING REPROCESSING PIPE UNDERGROUND):

ZONE 1:		
GROUP I	15.40	2.45
GROUP II	15.67	2.45
GROUP III	15.82	2.45
Shifter	16.05	2.45
ZONE 2:		
GROUP I	17.90	2.45
GROUP II	18.17	2.45
GROUP III	18.32	2.45
Shifter	18.55	2.45
ZONE 3:		
GROUP I	19.40	2.45
GROUP II	19.67	2.45
GROUP III	19.82	2.45
Shifter	20.05	2.45

LABORER CLASSIFICATIONS

GROUP I: Tunnel Workers: Laborers and Hand Muckers Top Landers, Groutmen, Nippers, Trackmen.

GROUP II: Chuck Tenders.

GROUP III: Shaft Workers, Air Tugger Operators, Concrete Workers (including all cement chipping and finishing underground), Drillers, Form Setters and Handlers, Hand Muckers, Miners, Powdermen, Steel Setters, Tunnel Liners, Plate Setters, Reinforcing Steel Setters, all Cutting and Welding incidental to Miners' work, Powdermen and Blasters, Timbermen.

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LABO0016D 10/01/2001

	Rates	Fringes
LABORERS:		
HEAVY CONSTRUCTION:		
ZONE 1:		
GROUP I	13.65	2.45
GROUP II	13.90	2.45
GROUP III	14.05	2.45
GROUP IV	14.97	2.45
ZONE 2:		
GROUP I	16.15	2.45
GROUP II	16.40	2.45
GROUP III	16.55	2.45
GROUP IV	17.47	2.45
ZONE 3:		
GROUP I	17.65	2.45
GROUP II	17.90	2.45
GROUP III	18.05	2.45
GROUP IV	18.97	2.45

ZONE PAY

The reference point for determining zone pay shall be from the intersection of Interstate Highway 25 and Interstate Highway 40 (The Big "I") in Albuquerque.

Free Zone - 0 to 50 miles.

Zone 2 - 50 to 85 miles from above reference points. \$2.50 per hour above base wage.

Zone 3 - over 85 miles from above reference points. \$4.00 per hour above base wage.

Workmen employed on work forty (40) or more feet above the ground or above a solid floor, deck, or flat roof shall receive premium pay as follows:

40 to 80 feet - \$0.25 per hour

80 to 120 feet - \$0.50 per hour

120 to 160 feet - \$0.75 per hour

above 160 feet - \$1.00 per hour

LABORER CLASSIFICATIONS

GROUP I: Wagon Core, Diamond Drillers

GROUP II: Concrete Burner, Hodcarriers, Mortar Mixers, Plaster Spreader Operators, Plaster Tenders, Gunite Nozzlemen, Pipelayers Pumpcrete Nozzlemen.

GROUP III: Powdermen and Blasters.

GROUP IV: Includes but is not limited to the following specialty categories of Construction Specialists: Asbestos Abatement Laborers, Toxic and Hazardous Waste Removal Laborers, Lead Base Paint Removal Laborers, Laborer/Concrete Specialist, Pest Technician (Licensed by the Bureau of Rodent Management), State

Licensed Powderman and Blaster, Laborers-AGC Certified Rigger and Signal Man, Laborers-AGC Certified Scaffold Builder Laborer, or Hydromobile Scaffold Builder, Radiation Worker II.

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 PAIN0823A 04/01/2000

	Rates	Fringes
PAINTERS:		
Mines, mills, Power plants, energy plants, refineries, coal gassification plants, nuclear related facilities & all steel work incidental thereto including stacks of all descriptions:		
Brush, roller, pot tender, sandblaster, grinder operator:		
New Work:		
Zone I	16.05	4.08
Zone II	17.05	4.08
Zone III	18.55	4.08
Repaint/remodel:		
Zone I	13.64	4.08
Zone II	14.64	4.08
Zone III	16.14	4.08
Spray; Preparation for and application of epoxy & special coatings; Hand Finisher/Machine Texture:		
New Work:		
Zone I	16.55	4.08
Zone II	17.55	4.08
Zone III	19.05	4.08
Repaint/remodel:		
Zone I	14.57	4.08
Zone II	15.57	4.08
Zone III	17.07	4.08
Hand texture		
New Work:		
Zone I	16.75	4.08
Zone II	17.75	4.08
Zone III	19.25	4.08
Repaint/remodel:		
Zone I	14.24	4.08
Zone II	15.09	4.08
Zone III	16.36	4.08
Paperhangers:		
New Work:		
Zone I	17.05	4.08
Zone II	18.05	4.08
Zone III	19.55	4.08
Repaint/remodel:		
Zone I	14.49	4.08
Zone II	15.49	4.08
Zone III	16.99	4.08
Drywall finisher; Ames Tool operator:		
New Work:		
Zone I	17.25	4.08

Zone II	18.25	4.08
Zone III	19.75	4.08
Repaint/remodel:		
Zone I	14.66	4.08
Zone II	15.51	4.08
Zone III	16.79	4.08

HIGH PAY: High pay shall apply to any free fall area exceeding 30 feet from the ground level. The hourly wage rate shall be increased \$.50 per hour from the 30 foot level up. The determining factor in high pay shall be a stationary floor, landing or grate, excluding elevated tank walkways.

PAINTERS ZONE DEFINITIONS

Free Zone: An area within a 30 mile radius of the main post office in the city or town where an employee permanently resides at the time of hire shall be considered Zone 1. All jobs beyond the 30 mile radius shall be covered by the zone schedule below:

- ZONE I - BASE PAY UP TO 30 MILES
  - ZONE II - EXTENDING 30 MILES TO 75 MILES BEYOND ZONE I
  - ZONE III - EXTENDING 75 MILES AND BEYOND
- Albuquerque, Santa Fe and Belen shall be considered in Zone 1.

0 -----

1  
2 PAIN0823B 04/01/2002

	Rates	Fringes
4 GLAZIERS	19.15	4.11

5 -----

6  
7 PAIN0823C 04/01/2002

	Rates	Fringes
9 SOFT FLOOR LAYERS:		
0 ZONE I	16.73	4.58
1 ZONE II	17.73	4.58
2 ZONE III	19.23	4.58

3  
4 SOFT FLOOR LAYERS ZONE DEFINITIONS

5  
6 Free Zone: An area within a 30 mile radius of the main post  
7 office in the city or town where an employee permanently  
8 resides at the time of hire shall be considered Zone 1. All  
9 jobs beyond the 30 mile radius shall be covered by the zone  
0 schedule below:

- 1 ZONE I -- Up to 30 miles
- 2 ZONE II -- 30 to 75 miles
- 3 ZONE III - 75 miles and beyond

4  
5  
6 Albuquerque, Santa Fe and Belen shall be considered Zone 1.

7 -----

8  
9 PAIN0823D 04/01/2000

	Rates	Fringes
1 PAINTERS:		
2 All Other Work: Commercial:		
3 Brush, roller, spray and		
4 special coatings:		
5 Zone I	14.24	3.58

6	Zone II	15.24	3.58
7	Zone III	16.74	3.58
8	Sand blasters; striping		
9	machine operators:		
0	Zone I	15.69	3.58
1	Zone II	16.69	3.58
2	Zone III	18.19	3.58
3	Sign painters:		
4	Zone I	16.04	3.58
5	Zone II	17.04	3.58
6	Zone III	18.54	3.58
7	Paper hangers:		
8	Zone I	16.19	3.58
9	Zone II	17.19	3.58
0	Zone III	18.69	3.58
1			
2	Tenant Improvement*:		
3	Hand texture:		
4	Zone I	14.14	3.58
5	Zone II	15.14	3.58
6	Zone III	16.64	3.58
7	Paper hangers:		
8	Zone I	14.44	3.58
9	Zone II	15.44	3.58
0	Zone III	16.94	3.58
1	Drywall finishers:		
2			
3	Zone I	14.49	3.58
4	Zone II	15.49	3.58
5	Zone III	16.99	3.58
6	Ames Tool operators:		
7	Zone I	14.74	3.58
8	Zone II	15.74	3.58
9	Zone III	17.24	3.58

1 \*Tenant improvement shall be considered the following types of  
2 work: repaint, remodel, alterations and additions to an existing  
3 building, the painting and repair of hotels, motels and  
4 apartment buildings five stories and over, new and repair.

5  
6 HIGH PAY: High pay shall apply to any free fall area exceeding  
7 30 feet from the ground level. The hourly wage rate shall be  
8 increased \$.50 per hour from the 30 foot level up. The  
9 determining factor in high pay shall be a stationary floor,  
0 landing or grate, excluding elevated tank walkways.

1  
2 PAINTERS ZONE DEFINITIONS

3  
4 Free Zone: An area within a 30 mile radius of the main post  
5 office of the city or town where an employee permanently  
6 resides at the time of hire shall be considered Zone 1. All  
7 jobs beyond the 30 mile radius shall be covered by the zone  
8 schedule below:

- 9  
0 ZONE I - BASE PAY UP TO 30 MILES  
1 ZONE II - EXTENDING 30 MILES TO 75 MILES BEYOND ZONE I  
2 ZONE III - EXTENDING 75 MILES AND BEYOND

3  
4 Albuquerque, Santa Fe and Belen shall be considered in Zone 1.  
5 -----  
6  
7 PLAS0254A 10/01/2001  
8 Rates Fringes  
9 CEMENT MASONS 16.95 3.98  
0 -----  
1  
2 \* PLAS0254B 07/01/2002  
3 Rates Fringes  
4 PLASTERERS 17.50 4.42  
5 -----  
6  
7 PLUM0412A 04/01/2001  
8 Rates Fringes  
9 REMAINING COUNTIES  
0  
1 PLUMBERS & PIPEFITTERS 22.98 5.95  
2  
3 LOS ALAMOS, WHITE ROCK, SOUTH MESA, MCGREGOR, WHITE SANDS MISSILE  
4 RANGE AND/OR PROVING GROUNDS  
5  
6 PLUMBERS & PIPEFITTERS 23.78 5.95  
7  
8 LIGHT COMMERCIAL :  
9  
0 All irrigation & 15.96 4.20  
1 lawn sprinkler  
2 -----  
3  
4 ROOF0174A 10/01/1994  
5 Rates Fringes  
6 ROOFERS 13.30 1.99  
7 -----  
8  
9 SHEE0049A 04/01/2002  
0 Rates Fringes  
1 REMAINING COUNTIES  
2  
3 SHEET METAL WORKERS 23.30 7.11  
4 -----  
5  
6 SHEE0049B 04/01/2002  
7 Rates Fringes  
8 LOS ALAMOS COUNTY  
9  
0 SHEET METAL WORKERS 25.30 7.17  
1 -----  
2  
3 SUNM1002A 08/11/1993  
4 Rates Fringes  
5 SPRINKLER FITTERS:  
6 Bernalillo, Los Alamos &  
7 Santa Fe, Counties 15.55  
8 Otero County 17.45 3.75  
9 Remaining Cos. (Except Dona Ana) 16.06 2.95

-----		
	Rates	Fringes
0		
1		
2	TEAM0492A 06/01/1993	
3		
4	TRUCK DRIVERS:	
5	BUILDING CONSTRUCTION:	
6	Zone I:	
7	GROUP I	1.89
8	GROUP II	1.89
9	GROUP III	1.89
0	GROUP IV	1.89
1	GROUP V	1.89
2	GROUP VI	1.89
3	GROUP VII	1.89
4	GROUP VIII	1.89
5	GROUP IX	1.89
6	Zone II	
7	GROUP I	1.89
8	GROUP II	1.89
9	GROUP III	1.89
0	GROUP IV	1.89
1	GROUP V	1.89
2	GROUP VI	1.89
3	GROUP VII	1.89
4	Group VIII	1.89
5	Group IX	1.89
6		
7	Zone III:	
8	GROUP I	1.89
9	GROUP II	1.89
0	GROUP III	1.89
1	GROUP IV	1.89
2	GROUP V	1.89
3	GROUP VI	1.89
4	GROUP VII	1.89
5	GROUP VIII	1.89
6	GROUP IX	1.89
7	BUILDING CONSTRUCTION:	
8	Light Commercial Construction:	
9	Zone I:	
0	GROUP I	1.89
1	GROUP II	1.89
2	GROUP III	1.89
3	GROUP IV	1.89
4	GROUP V	1.89
5	GROUP VI	1.89
6	GROUP VII	1.89
7	GROUP VIII	1.89
8	GROUP IX	1.89
9	Zone II:	
0	GROUP I	1.89
1	GROUP II	1.89
2	GROUP III	1.89
3	GROUP IV	1.89
4	GROUP V	1.89
5	GROUP VI	1.89
6	GROUP VII	1.89

7	Group VIII	9.95	1.89
8	Group IX	10.07	1.89
9	Zone III:		
0	GROUP I	9.66	1.89
1	GROUP II	9.88	1.89
2	GROUP III	9.94	1.89
3	GROUP IV	10.04	1.89
4	GROUP V	10.08	1.89
5	GROUP VI	10.16	1.89
6	GROUP VII	10.24	1.89
7	GROUP VIII	10.35	1.89
8	GROUP IX	10.47	1.89
9	HEAVY CONSTRUCTION:		
0	Zone I:		
1	GROUP I	10.08	1.79
2	GROUP II	10.35	1.79
3	GROUP III	10.43	1.79
4	GROUP IV	10.55	1.79
5	GROUP V	10.60	1.79
6	GROUP VI	10.70	1.79
7	GROUP VII	10.80	1.79
8	GROUP VIII	10.94	1.79
9	GROUP IX	11.09	1.79
0	Zone II:		
1	GROUP I	11.58	1.79
2	GROUP II	11.85	1.79
3			
4	GROUP III	11.93	1.79
5	GROUP IV	12.05	1.79
6	GROUP V	12.10	1.79
7	GROUP VI	12.20	1.79
8	GROUP VII	12.30	1.79
9	GROUP VIII	12.44	1.79
0	GROUP IX	12.59	1.79
1	Zone III:		
2	GROUP I	11.83	1.79
3	GROUP II	12.10	1.79
4	GROUP III	12.18	1.79
5	GROUP IV	12.30	1.79
6	GROUP V	12.35	1.79
7	GROUP VI	12.45	1.79
8	GROUP VII	12.55	1.79
9	GROUP VIII	12.69	1.79
0	GROUP IX	12.84	1.79

2 TRUCK DRIVER (BUILDING & HEAVY CONSTRUCTION) CLASSIFICATIONS

4 GROUP I:

5 Pickup 3/4 Ton and Under, Lubrication, Light Tire Repair and  
6 Washer, Swamper, 2 or 4 and up.

8 GROUP II:

9 Dump or Batch Truck Under 8 C.Y.W.L.: Flat Bed (bobtail) 2  
0 Ton and Under, Warehouseman including Material Check, Fork  
1 Lift Under 5 Ton MRC.

3 GROUP III:

4 Dump Trucks (Including All Highway and Off Highway) 8 up to  
5 16 C.Y.W.L.C.; Water, Fuel or Oil Trucks Less Than 3,000 gal.  
6 Flat Bed (bobtail) Over 2 Tons.

7

8 GROUP IV:

9 Distributor Driver, Heavy Tire Repair, Lumber Carrier Driver,  
0 Young Buggy or Similar Equipment, Transit Mix or Agitator 2  
1 or 3 Axle Bobtail Equipment, Scissor Truck, Bulk Cement  
2 Bobtail 2 or 3 Axle, Semi-Trailer Flat Bed or Van Single Axle  
3 Forklift 5 Ton and over M.R.C.

4

5 GROUP V:

6 Dumpsters and Dumpcrete Driver; Water, Fuel or Oil Trucks  
7 3,000 to 6,000 Gallons; Lowboys and Light Equipment Driver;  
8 Euclid Type Tank Wagon Under 6,000 Gallons.

9

0 GROUP VI:

1 Vacuum Truck; Dump Trucks (including all highway and off-  
2 highway 16 up to 22 C.Y.W.L.C.

3

4 GROUP VII:

5 Transit Mix or Agitator Semi or 4 Axle Equipment Driver;  
6 Flaherty Truck Type Spreader Box Driver; Slurry Truck Driver  
7 Bulk Cement Driver; Semi-Doubles; 5 Axle Bobtail; Winch Truck  
8  
9 and "A" Frame; Dump Truck (including all Highway and Off-  
0 Highway) 22 CY up to 35 C.Y.W.L.C.

1

2 GROUP VIII:

3 Euclid Diesel Power Turnarocker; Terra Coba-DW20-Tourneau  
4 Pulls and Similar Diesel Powered Equipment when used to haul  
5 Materials and Assigned to a Teamster-Lowboy Heavy Equipment  
6 Driver; Water, Fuel and Oil Trucks 6,000 Gallons and Over  
7 Including Tank Wagon Drivers, Semi-Trailer Driver (Flat-Bed  
8 or Van Tandems); Light Equipment Mechanic; Dump Trucks  
9 (Including All Highway and Off-Highway) 35 C.Y.W.L.C. and  
0 Over; Truck and Trailer or Semi-Trailer (Flated); eject all.

1

2 GROUP IX:

3 Lowboy (Heavy Equipment Double Gooseneck); Heavy Equipment  
4 Mechanic; Welder (Body and Fender Men).

5

6 TRUCK DRIVERS ZONE PAY BASING POINTS AND DEFINITIONS LISTED BELOW  
7 FOR BUILDING AND HEAVY CONSTRUCTION - BASING POINTS ARE AS  
8 FOLLOWS:

9

0 ALAMOGORDO, ALBUQUERQUE, ARTESIA, BAYARD, BELEN, CARLSBAD,  
1 CLOVIS, DEMING, ESPANOLA, EUNICE, FARMINGTON, GALLUP, GRANTS,  
2 HOBBS, LAS CRUCES, LAS VEGAS, LORDSBURG, LOVINGTON, PORTALES,  
3 RATON, ROSWELL, RUIDOSO, SANTA FE, SANTA ROSE, SILVER CITY,  
4 SOCORRO, TAOS, TUCUMCARI

5

6 ZONE I

7 Projects within 15 miles from the starting points above

8

9 ZONE II

0 Projects 15 or more road miles but less than 35 miles from

1 above, includes all of Los Alamos County

2

3 ZONE III

4 Projects more than 35 road miles, or more from above.

5

6 -----

7 FOOTNOTE:

8

9 \*\*LIGHT COMMERCIAL DEFINITION

0

1 Construction, erection, alteration, repair, modification,  
2 addition to or improvement in whole or in part of structures for  
3 which the major support system is wood frame construction and  
4 will also include all apartments over 4 stories, all convenience  
5 stores, fast food restaurants, automobile service stations &  
6 motels up to 2 stories high.

7 -----

8

9 WELDERS - Receive rate prescribed for craft performing operation  
0 to which welding is incidental.

1 =====

2

3 Unlisted classifications needed for work not included within  
4 the scope of the classifications listed may be added after  
5 award only as provided in the labor standards contract clauses  
6 (29 CFR 5.5(a)(1)(ii)).

7 -----

8 In the listing above, the "SU" designation means that rates  
9 listed under that identifier do not reflect collectively  
0 bargained wage and fringe benefit rates. Other designations  
1 indicate unions whose rates have been determined to be  
2 prevailing.

3

4 WAGE DETERMINATION APPEALS PROCESS

5

6 1.) Has there been an initial decision in the matter? This can  
7 be:

8

- 9 \* an existing published wage determination
- 0 \* a survey underlying a wage determination
- 1 \* a Wage and Hour Division letter setting forth a
- 2 position on a wage determination matter
- 3 \* a conformance (additional classification and rate)
- 4 ruling

5

6 On survey related matters, initial contact, including requests  
7 for summaries of surveys, should be with the Wage and Hour  
8 Regional Office for the area in which the survey was conducted  
9 because those Regional Offices have responsibility for the  
0 Davis-Bacon survey program. If the response from this initial  
1 contact is not satisfactory, then the process described in 2.)  
2 and 3.) should be followed.

3

4 With regard to any other matter not yet ripe for the formal  
5 process described here, initial contact should be with the Branch  
6 of Construction Wage Determinations. Write to:

7

8 Branch of Construction Wage Determinations  
9 Wage and Hour Division  
0 U. S. Department of Labor  
1 200 Constitution Avenue, N. W.  
2 Washington, D. C. 20210  
3

4 2.) If the answer to the question in 1.) is yes, then an  
5 interested party (those affected by the action) can request  
6 review and reconsideration from the Wage and Hour Administrator  
7 (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

8  
9 Wage and Hour Administrator  
0 U.S. Department of Labor  
1 200 Constitution Avenue, N. W.  
2 Washington, D. C. 20210  
3

4 The request should be accompanied by a full statement of the  
5 interested party's position and by any information (wage payment  
6 data, project description, area practice material, etc.) that the  
7 requestor considers relevant to the issue.

8  
9 3.) If the decision of the Administrator is not favorable, an  
0 interested party may appeal directly to the Administrative Review  
1 Board (formerly the Wage Appeals Board). Write to:

2  
3 Administrative Review Board  
4 U. S. Department of Labor  
5 200 Constitution Avenue, N. W.  
6 Washington, D. C. 20210  
7

8 4.) All decisions by the Administrative Review Board are final.  
9 END OF GENERAL DECISION

Solicitation No. DACW47-02-R-0006

PROPOSAL SCHEDULE (Cont'd)

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
(4)	<u>OPTION NO. 3 - DELETED</u>				

RECAPITULATION

1. Total Amount of Base Bid and Options No. 1 and 2 \$ \_\_\_\_\_ (4)

NOTES:

1. Award of all Proposal Items will be made to one proposer. Award of Base Bid and Options (if awarded) will be made to one proposer. Proposers must bid on all items.

2. EXERCISE OF OPTIONS. The Government reserves the right to exercise the option(s) by written notice to the Contractor either singularly or in any combination for up to 60 calendar days after award of the Base Bid without an increase in the Offeror's bid price. Completion of added options shall continue at the same schedule as the Base Bid unless otherwise noted in the SPECIAL CONTRACT REQUIREMENTS, Paragraph 1, COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK.

3. EVALUATION OF OPTIONS: (FAR 52.217-5) (JUL 1990)

(a) Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirements. Evaluation of options will not obligate the Government to exercise the options(s).

(4) OPTION NO. 3 - DELETED

(4)

NOTES:

1. The completion time includes 30 calendar days for Government review of the 60% and 100% design submittal and 15 calendar days for the corrected final design submittal review. Written acknowledgement and verification of conformance to the RFP of the corrected final by the Government for each design phase or sub-phase of the work and receipt of associated construction documents shall constitute Notice to Proceed with construction for the equivalent phase or sub-phase of the project.

2. As-Built Drawings. The Contractor shall complete work on the final as-built drawings upon his receipt of the approved working as-built drawings. The Contractor shall provide final as-built drawings as specified in Section 01720.

(b) The time stated for completion shall include final cleanup of the premises.

(c) In the event the Heating and/or Air Conditioning Systems cannot be tested at or near design temperatures during the above period, beneficial occupancy and use of the facilities may be accepted and final testing and adjustments of the heating and/or air conditioning deferred as specified in the appropriate testing clauses of the Technical Provisions.

2. TIME EXTENSIONS (FAR 52.211-13) (SEP 2000). Time extensions for contract changes will depend upon the extent, if any, by which the changes cause delay in the completion of the various elements of construction. The change order granting the time extension may provide that the contract completion date will be extended only for those specific elements related to the changed work and that the remaining contract completion dates for all other portions of the work will not be altered. The change order also may provide an equitable readjustment of liquidated damages under the new completion schedule.

3. LIQUIDATED DAMAGES - CONSTRUCTION (FAR 52.211-12) (SEP 2000).

(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount stated in Clause 1(a) above for each calendar day of delay until the work is completed or accepted, exclusive of the work in the various landscaping sections. In the event that the completion date for the work covered by two or more items of work becomes delinquent concurrently, the liquidated damages will

5.2.13 National Fire Protection Association NFPA 220 Types Building, Construction, latest edition.

5.2.14 National Fire Protection Association NFPA 231 General Storage, latest edition.

5.2.15 Gypsum Association Fire Resistance Design Manual, latest edition.

5.2.16 Tile Council of America Handbook for Ceramic Tile Installation, latest edition.

5.2.17 Architectural Woodwork Quality Standards published by Architectural Woodwork Institute.

5.2.18 References listed within the Uniform Federal Guide Specifications, latest editions.

5.3 **External Activities.** Vehicular access shall be controlled by the provision of a 6-foot by 6-foot guard house and motorized gate at the main entry to the campus. Utilities, access and equipment for the guard house shall be provided as required by the civil engineering design requirements of this RFP. Staff and students will access the campus by privately owned vehicles, and school buses.

(4)

School bus loading areas shall be covered. Exterior paved spaces and circulation paths shall be provided for recreation and relaxation of staff and students. Provide paved service access to the loading dock, maintenance shop, and kitchen. Paved stoops and vehicular access shall be provided for all exit doors and exterior mechanical and electrical equipment room doors.

(4)

5.4 **Internal Activities.** Internal activities are described in detail within the Architectural Design Data for Wingate Elementary School, dated 14 December 2000 prepared by Architectural Research Consultants contained in the appendix to this RFP. Primary uses are educational and residential with support functions. The gymnasium is sized for up to 1,690 occupants during athletic events. The total dormitory occupancy is 526.

5.5 **Space Adjacencies.** Floor plan adjacencies shall be developed based on the Architectural Design Data for Wingate Elementary School, dated 14 December 2000 prepared by Architectural Research Consultants contained in the appendix to this RFP.

5.6 **Space Allocations.** Individual space allocations shall be based on the Architectural Design Data for Wingate Elementary School dated 14 December 2000 prepared by Architectural Research Consultants contained in the appendix to this RFP.

5.7 **Basic Building Criteria.** Building construction shall conform to fire resistance requirements, allowable floor area increases, building height limitations, and building separation distance requirements of the Uniform Building Code (UBC). The offerors shall provide a Code analysis and Fire Plan of the proposed buildings and campus facility.

window orientation, window glazing, building façade and window shading, and shade tree types and locations.

**5.11 Acoustical Design.** Acoustical design shall address acoustical material selection to control unwanted noise, reverberation control, and sound amplification in the design of the interior spaces. The acoustical design shall be in accordance with the acoustical design criteria and design guidelines contained in the Bureau of Indian Affairs Design Criteria Handbook.

**5.12 Radon Mitigation.** Minimum design requirements consist of passive barriers to seal radon entry routes from the soil under floor slabs and around and below grade walls to prevent radon gas entry to interior spaces. Passive barriers required are 6 mil polyethylene sheet in crawl spaces and under floor slabs on grade, capillary water barrier below floor slabs on grade, dampproofing or waterproofing and protection board on below grade walls, sealants in all joints in floor slabs, below grade walls and around all pipe and conduit penetrations in floor slabs. Polyethylene sheets will be lapped 12 inches and sealed with adhesives or pressure sensitive tape and sealed at foundation walls with mastic. Grout all cells full or provide solid courses in hollow masonry walls to prevent passage of radon gas up through the masonry cells.

**5.13 Interior Design.** Interior design services shall consist of selection of all interior and exterior materials, finishes and colors coordinated with furniture provided under separate contract administered by the BIA. Color board content and format shall be as required by the BIA Design Criteria Handbook.

**5.14 Building Systems and Materials.** The Government desires low or no maintenance finish materials to the greatest extent possible. The proposed building systems, and material finishes shall be specified to conform to the minimum requirements and allowable options contained within each of the applicable guide specification sections included in the appendix to this RFP.

**5.14.1 Concrete.**

(4)

**5.14.1.1 Precast Architectural Panels.** Precast architectural panels, if proposed, shall be fabricated with integrally colored concrete and shall be specified to conform to the minimum requirements and allowable options contained within guide specification Section 03413STR - PRECAST ARCHITECTURAL CONCRETE.

(4)

**5.14.1.2 Precast concrete items** may be used for architectural elements such as door surrounds, window sills, window surrounds, and parapet coping. Precast architectural concrete, if proposed, shall be fabricated with integrally colored concrete, in a color and texture to coordinate with other major building materials. All precast concrete elements shall be lightly sandblasted to produce a unified, matching color, texture and overall appearance. All exterior finished architectural precast concrete items shall be sealed against water intrusion using a clear, non-sheen, impregnating

sealer and shall be specified to conform to the minimum requirements and allowable options within guide specification SECTION 04200 - MASONRY.

5.14.2 **Masonry.**

5.14.2.1 **Exterior concrete masonry** unit (CMU) walls shall be standard sized integral color concrete masonry units in a combination of split face and honed or burnished face textures with porcelain ceramic tile accents. Masonry products and accessories shall be specified to conform to the minimum requirements and allowable options within guide specification SECTION 04200 - MASONRY.

5.14.2.2 **Interior concrete masonry** unit walls and the inner wythe of exterior double wythe cavity walls exposed to view shall be integrally colored standard sized CMU in utility spaces, pre-glazed in wet areas and honed or burnished texture in all other interior spaces. Masonry surfaces concealed with finish materials may be natural gray cement color. Acoustical sound absorbing masonry units are required for large, active and noisy spaces. Interior glass block windows and interior partitions are strongly encouraged for day-lighting of interior spaces. Bull nose concrete masonry units will be used at all exposed interior vertical corners.

5.14.2.3 **Water Repellant.** Concrete masonry units shall be manufactured using integral water repellant as an efflorescence barrier. All exterior finished masonry surfaces shall also be sealed against water intrusion using an impregnating clear sealer.

5.14.2.4 **Coursing of masonry** will be arranged to eliminate cutting of masonry at heads and jambs of openings. Base units of 6-inch nominal height are recommended for proper coursing with weather sill step foundations and standard size door openings. Masonry and mortar color shall match. Exterior tooled joints shall be flush cut or raked horizontal joints for split face masonry and concave joints with other types of masonry units.

5.14.2.5 **Openings in masonry** wall systems will be detailed with through wall flashing at heads and sills. Sills will be sloped or stepped to the exterior to promote drainage and prevent seepage through the wall. Flashing shall be specified to conform to the minimum requirements and allowable options within guide specification SECTION 07600 - SHEET METALWORK, GENERAL.

5.14.2.6 **Masonry parapet** height shall be the minimum required and will be designed with heavy duty, factory fabricated, factory finished anodized aluminum metal covers or precast concrete coping with through-wall flashings. Masonry coping or poured in place concrete coping is not acceptable on building parapets. Step or counter flashing shall be built into vertical wall surfaces abutting roofs as required by the roofing system design.

(4) 5.14.2.7 **Exterior Wall System.** Exterior masonry wall system, if proposed, shall be single wythe masonry with insulated furred out drywall interior or of double wythe construction with separate veneer walls for all heated and cooled buildings. A properly designed cavity wall complete with flashings and weep holes shall be provided. The cavity design shall provide a minimum overall width of 2 inches with a maximum overall width of 3 inches. A

minimum 3/4-inch clear air space is required to provide the full insulation value of the cavity. Limited exterior wall areas may be constructed of steel frame, metal studs, sheathed with 3 coat stucco systems, or approved equal.

(4)

5.14.2.8 **Cavity wall insulation** will be placed on the inner wythe to achieve the overall "U" value required by the mechanical design. Insulation in cavities will be extruded rigid board type with reflective facings and will be applied in 16-inch horizontal strips between the cavity wall masonry ties.

5.14.2.9 **Cavity wall dampproofing** will be applied on the exterior face of the inner wythe of the cavity wall. Dampproofing shall be specified to conform to the minimum requirements and allowable options within guide specification SECTION 07110 - BITUMINOUS DAMPPROOFING.

5.14.2.10 **Masonry wire ties** shall be specified to be adjustable and corrosion resistant and kept clean of dampproofing. Specify types that permit movement caused by differential temperatures of each wythe. Anchors shall be coordinated with the structural design and shall be specified to conform to the minimum requirements and allowable options within guide specification SECTION 04200 - MASONRY.

5.14.2.11 **Control joints and expansion joints** shall be specified to conform to the minimum requirements and allowable options within guide specification SECTION 04200 - MASONRY. The designer shall establish joint locations. Reinforcement placement and cut-offs will be closely coordinated with the structural design.

5.14.2.12 **Masonry screen walls** utilized to screen electrical and mechanical equipment from view shall be integrally colored, and perforated for maximum ventilation with provision for drainage at the base. Masonry screen walls utilized to screen garbage dumpsters from view shall be solid integrally colored masonry units to compliment the building materials and textures. Provide lockable metal swing gates and coordinate bollard design, pavements and screen wall locations with the structural and civil designs. Masonry screen walls utilized to define or enclose outdoor areas shall be a combination of integrally colored, perforated and solid masonry units with wall and gate construction coordinated with the structural and civil designs. Screen walls shall compliment the building materials and textures. All copings on masonry screen walls shall be solid masonry cap blocks.

5.14.2.13 **Masonry sample panels** shall be constructed for each type of masonry work required. Sample panels shall not be built in as part of the structure, but shall be located where directed by the Contracting Officer. Panels shall be of the size necessary to demonstrate the acceptable level of workmanship for each type of masonry required on the project and shall be constructed as specified in guide specification SECTION 04200 - MASONRY.

### 5.14.3 **Metals.**

5.14.3.1 **Miscellaneous ferrous metals** shall be factory primed to the greatest extent possible. Dissimilar metals in contact with each other shall be avoided or separated as required. All miscellaneous ferrous metal items, exposed to view, which do not have a factory finish, shall be primed and

7. **MECHANICAL DESIGN**

7.1 **Criteria Sources and References.**

7.1.1 Uniform Building Code (UBC), 1997.

7.1.2 Uniform Mechanical Code (UMC), 1997.

7.1.3 Uniform Facilities Guide Specifications (UFGS).

7.1.4 Bureau of Indian Affairs, Facility Design Manual, dated April 1995.

7.1.5 10 CFR 435, Energy Conservation Voluntary Performance Standards for New Buildings; Mandatory for Federal Buildings.

7.1.6 NIST Handbook 135, Life Cycle Costing Manual for the Federal Energy Management Program, 1995 Edition.

7.1.7 American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE).

(1) 2001 Fundamentals Handbook.

(2) 2000 HVAC Systems and Equipment Handbook.

(3) 1999 HVAC Applications Handbook.

(4) ASHRAE Standard 62 (1999 Edition).

(5) ASHRAE Standard 70 (1991 Edition).

(6) ASHRAE Standard 90.1 (1999 Edition).

7.1.8 American Conference of Governmental Industrial Hygienists (ACGIH).

7.1.9 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).

(1) NFPA 90A (1996) Installation of Air Conditioning and Ventilating Systems.

7.2 **Heating, Ventilating, and Air Conditioning System Design Requirements.**

7.2.1 **Environmentally Sensitive Design.** The HVAC systems will be selected with consideration to the LEED certification requirements for these buildings. The LEED Green Building Rating System 2.0™ is a priority program of the US Green Building Council. These buildings are desired to be LEED certified and the HVAC equipment selections must support this endeavor within the restrictions of this RFP.

(4)

(4)

7.2.2 **Design Calculation Submission.** Complete HVAC system design calculations shall be submitted in accordance with requirements indicated in RFP Section 01012 and the succeeding paragraphs.

installation specifications, ARI certification, and the standard warranty for the equipment. Provide the manufacturer's published cataloged capacities for supply diffusers as evidence that the arrangement of diffusers in each room will provide the proper throw and spread characteristics. The submitted catalog data does not substitute for the requirement for full and complete submittal during construction.

3.9.1.5 Renderings. The Contractor shall prepare a color rendering of the new school and dormitory, including all support buildings/facilities. The original rendering shall be prepared in format that shall permit color reproduction with no borders or edges visible, approximately 20 inches by 30 inches in size, and shall be a perspective view from an eye-level or low-level aerial point of view that shall highlight the most attractive features of the building and proposed surroundings. The rendering shall include human figures, including children, for scale and representation of personnel working at the facility. The Contractor shall furnish one or more preliminary pencil or pen sketches of the drawing for Government approval. The final drawings shall be rendered in ink and permanent colors that are conducive to color photography. The Contractor shall furnish the following items to each of the addresses identified in the Distribution Schedule (paragraph 5.3):

- (a) Original color rendering.
- (b) Four full-size color photographic print.
- (c) One half-size color photographic print.
- (d) Original photographic negative.
- (e) One electronic scanned copy on compact disk.

The renderings (original and copies) shall be matted and framed in aluminum with non-glare Plexiglas and include a mounted, engraved aluminum title plaque. The title plaque shall be inscribed: WINGATE ELEMENTARY REPLACEMENT SCHOOL, FT. WINGATE, NEW MEXICO.

(4) 3.9.1.6 Finished Public Display Model. Provide a finished public display model 60 calendar days after submittal of the 60% design package. The model shall be a minimum scale of 1" = 20'-0" constructed on an oak base display case. The display case shall be 42" to 48" wide x 66" to 96" long with a 1/4" plexiglass cover. The oak base shall be constructed at viewing height with oak pedestal legs or equal. The model shall be constructed utilizing museum grade board or equal. The model shall show specific and detailed external features of each proposed building, indicating massing, scale, color, style, window and door locations, roofing materials and special architectural features and building materials. The model shall represent the proposed school campus layout, topography, major site features, existing and proposed landscaping, proposed fencing, playgrounds, playground equipment, playing fields, parking, vehicular and pedestrian roads and paths. The model shall include representations of people and vehicles to provide the viewer a sense of scale. The project title and relevant information shall be clearly illustrated. Coordinate with the Contracting Officer for relevant information. Model shall be delivered and set up at Fort Wingate School at a location determined by the Contracting Officer. (4)

3.9.1.7 Resident Management System (RMS). The contractor shall use the Government furnished software module entitled Resident Management System (RMS) to create the Submittal Register during the design phase of this contract. The data generated by the contractor during the design phase will be used by the CQC manager in the construction phase of the project.

3.9.2 Corrected Final Submittal. If a sufficient number of comments are generated by the Government during the Final Design Submittal, and at the option of the Contracting Officer, the Contractor shall submit drawings and specifications for compliance check of the accepted review comments of the Final Design Submittal. The Corrected Final Submittal shall be appropriately stamped to describe the submittal package as follows: "For Review Only - Corrected Final-Phase #". Each sheet of the drawings shall be so stamped.

3.9.3 Construction Set Submittal: Upon Government acceptance of all annotated comments for design phase 1C, the Contractor shall immediately submit a record set of construction drawings with drawing files on compact disk (CD), specifications on CD, and design analysis on CD. One CD with the drawing files, specifications, and design analysis is preferred.

4. AS-BUILT DRAWINGS. Upon completion of the final design phase, the original Mylar plotted drawings will be retained by the Contractor for recording of as-built conditions. Upon completion of the project, the original design documents corrected to reflect as-built conditions shall be submitted to the Contracting Officer as specified in Section 01720 of this RFP. Compact disks with electronic files and the hardcopy documentation shall become the property of the Government.

#### 5. TRANSMITTAL TO GOVERNMENT AGENCIES:

5.1 Government agencies shall receive review documents as indicated in the following Distribution Schedule. Quantities and reviewing agents are listed below. All documents must contain an index of contents.

5.2 Design work for any specific design phase (or sub-phase) shall not continue during the review period between the design submission of the phase and the design review conference. All submittals shall be transmitted to be received in the shortest time possible. Originals of transmittal letters should be sent to the Contracting Officer and copies should accompany each mail package. Transmittal letters shall indicate distribution by use of the "ATTN" code shown in the address. Design documents shall include design analysis, drawings, calculations, and specifications and shall be distributed as indicated in the distribution schedule.

5.3 The Contractor shall submit complete design documents for the required submittal in the same quantity and to the addressees listed in the Distribution Schedule, for each review (one or more) until the Government is satisfied that all review comments have been addressed and resolved. Following the last review, the Contractor shall forward the completed construction documents specified in the Distribution Schedule.

#### ADDRESSEES:

(A) Albuquerque District, Corps of Engineers, ATTN: CESPA-PM-M (Kemsley), 4101 Jefferson Plaza N.E., Albuquerque, New Mexico 87109-3435.

(B) BIA Facilities Management and Construction Center, ATTN: Barbara Borgeson, 201 3rd St. Suite 502, PO Box 1248, Albuquerque, NM 87103-1248.

(C) Albuquerque District, Construction Contracts Section, ATTN: CESPA-EC-CC (Velasquez), 4101 Jefferson Plaza N.E., Albuquerque, New Mexico 87109-3435.

DISTRIBUTION SCHEDULE

NUMBER OF COPIES PER ADDRESSEE  
(A) (B) (C)

	<u>PHASE 1A PRELIMINARY FINAL (95%) DESIGN SUBMITTAL</u>				
(4)	DRAWINGS, FULL-SIZE	2	8	2	
	DRAWINGS, HALF-SIZE	7	1	0	(4)
	SAMPLE ELECTRONIC DRAWING FILES	1	0	0	
	SPECIFICATIONS	9	9	2	
	DESIGN ANALYSIS/CALCULATIONS	9	9	2	
	PERMIT APPLICATIONS	2	1	0	
	SUBMITTAL REGISTER (RMS)	1	0	2	
	<u>PHASE 1B PRELIMINARY (60%) DESIGN SUBMITTAL</u>				
(4)	DRAWINGS, FULL-SIZE	2	8	2	
	DRAWINGS, HALF-SIZE	7	1	0	(4)
	SAMPLE ELECTRONIC DRAWING FILES	1	0	0	
	MARKED UP GUIDE SPECS	9	9	2	
	DESIGN ANALYSIS/CALCULATIONS	9	9	2	
	SUBMITTAL REGISTER (RMS)	1	0	2	
	<u>PHASE 1B FINAL (100%) DESIGN SUBMITTAL</u>				
(4)	DRAWINGS, FULL-SIZE	2	8	2	
	DRAWINGS, HALF-SIZE	7	1	0	(4)
	SPECIFICATIONS	9	14	2	
	DESIGN ANALYSIS	9	14	2	
	<u>PHASE 1C PRELIMINARY (60%) DESIGN SUBMITTAL</u>				
(4)	DRAWINGS, FULL-SIZE	2	8	2	
	DRAWINGS, HALF-SIZE	7	1	0	(4)
	SAMPLE ELECTRONIC DRAWING FILES	1	0	0	
	MARKED UP GUIDE SPECS	9	9	2	
	DESIGN ANALYSIS/CALCULATIONS	9	9	2	
	COLOR BOARDS	1	3	2	
	SUBMITTAL REGISTER (RMS)	1	0	2	
	<u>PHASE 1C FINAL (100%) DESIGN SUBMITTAL</u>				
(4)	DRAWINGS, FULL-SIZE	2	8	2	
	DRAWINGS, HALF-SIZE	7	1	0	(4)
	SPECIFICATIONS	9	14	2	
	DESIGN ANALYSIS	9	14	2	
	REVISED COLOR BOARDS	1	2	2	
	<u>CORRECTED FINAL SUBMITTAL (ALL SUB-PHASES)</u>				
(4)	DRAWINGS, FULL-SIZE	2	1	2	
	DRAWINGS, HALF-SIZE	7	7	0	(4)
	SPECIFICATIONS	9	7	2	
	DESIGN ANALYSIS	9	7	2	
	CD OF DRAWING FILES	1	0	0	

NUMBER OF COPIES PER ADDRESSEE  
(A) (B) (C)

CONSTRUCTION (ALL SUB-PHASES) includes CD with drawing files IAW attached Appendix, full-size plotted Mylars, and CD with Specifications and DA.

(4)

DRAWINGS, FULL-SIZE	2	1	2
DRAWINGS, HALF-SIZE	7	2	4
SPECIFICATIONS (Hardcopies)	9	3	3

(4)

RENDERINGS

ORIGINAL	0	1	0
FULL-SIZE PRINT	1	2	0
HALF-SIZE PRINT	0	1	0
NEGATIVE AND ELECTRONIC FILE	1	0	0

6. DESIGN REVIEW AND REVIEW CONFERENCES: A minimum of three design review conferences shall be held at the locations indicated, administered by the Authorized Representative of the Contracting Officer. Design conferences will be held as follows: 1) A Pre-design Conference held after contract award and prior to initiation of design, to be held at the Wingate Elementary School Conference Room, Ft. Wingate, NM; 2) A Preliminary (60%) Design Review Conference to be held after completion of review of the Phase 1B Preliminary Submittal, to be held at the Bureau of Indian Affairs office in Albuquerque, NM; and 3) A Final Design Review Conference to be held after completion of review of the Phase 1C Final Design submittal, to be held in the Albuquerque District of the Corps of Engineers in Albuquerque, NM. A review conference is not anticipated to be held after completion of the Corrected Final review; however, one may be held if determined necessary by the Contracting Officer.

6.1 Review Comment Annotation and Compliance.

6.1.1 Government personnel will present review comments for discussion and resolution at the design review conferences. Copies of comments, annotated with comment action agreed upon shall be made available by the Contractor to all parties within seven (7) calendar days of adjourning the design review conference. Unresolved comments will be resolved by immediate follow-on action at end of conference. Valid, accepted comments shall be incorporated. The Government, however, reserves the right to disapprove design document submittals in the event that documents submitted for review are deemed to be deficient or incomplete for that particular stage of design. In this case, every effort shall be made during follow-up action between the Contractor and the Contracting Officer to resolve conflicts and problems such that documents can be fully approved in as little time as possible. All costs of accomplishing the resubmittal data shall be borne by the Contractor. If any review comment requires clarification and/or amplification to assure understanding, Contractor shall notify the Contracting Officer in writing.

6.1.1.1 The Government's review will consist of quality assurance (QA) checks. It will center primarily on the design's functional aspects with limited technical review. Comments will be provided electronically via the Corps of Engineers Dr. Checks system. BIA comments may be provided in other formats. The A-E shall annotate the review comments in the development of

SECTION 01580

BULLETIN BOARD, PROJECT SIGN AND PROJECT SAFETY SIGN

1. SCOPE: This section covers a project bulletin board and a project sign, complete.

2. GENERAL: Immediately upon beginning of work under this contract, the Contractor shall accomplish the work covered under this section of the specifications. Locations of the bulletin board, the project sign, and the project safety sign shall be as determined by the Contracting Officer.

3. BULLETIN BOARD: Immediately upon beginning of work under this contract, the Contractor shall provide a weatherproof glass-covered bulletin board not less than 36 x 48 inches in size, for displaying the Equal Employment Opportunity Poster, a copy of the wage decision contained in the contract, Wage Rate Information Poster, and other information approved by the Contracting Officer. The bulletin board shall be located at the site of work in a conspicuous place easily accessible to all employees as approved by the Contracting Officer. Legible copies of the aforementioned data shall be displayed until work under the contract is complete. Upon completion of work under this contract the bulletin board shall be removed by and remain the property of the Contractor.

4. PROJECT SIGN: The Contractor shall furnish and erect a project sign in the location as hereinbefore specified. The project sign, indicating the project title and constructed to the detail shown on the attached detail sheet, shall be erected at a point designated by the Contracting Officer as soon as practicable after commencing operations, but not later than 15 calendar days after the date of receipt of notice to proceed. The marker shall be maintained by the Contractor for the life of the project, shall be removed by the Contractor when directed, and shall become the property of the Contractor after removal.

4.1 Materials.

4.1.1 Plywood shall be Douglas Fir, exterior grade, sound 2 sides.

4.1.2 Posts shall be the size and shape shown on the drawings and shall conform to the requirements of ASTM D 36.

4.1.3 Primer paint for wood shall conform to the applicable requirements of Federal Specification TT-P-25. Primer paint for metal shall conform to the requirements of Federal Specification TT-P-86.

4.1.4 Oil Paint. Exterior oil paint shall conform to the requirements of Federal Specification TT-P-102.

4.1.5 Paint for Letters. Paint for lettering shall be the colors indicated on the attached detail sheet. The paint shall be a good quality special paint, for sign painting.

4.1.6 Bolts and other fastenings shall be standard commercial items with a galvanized or other suitable rustproof coating.

4.2 Construction. The surfaces of the wood shall be dry before painting. The steel posts shall be painted with one coat of primer and one finish coat of white paint. The sign panel shall be given one coat of primer and one finish coat both sides and all edges. Lettering shall be one coat applied to the face of the sign by workers skilled in the trade.

5. PROJECT SAFETY SIGN: The Contractor shall furnish and erect a project safety sign at the Contractor's field office. The safety sign shall be located in a conspicuous place easily within view of all employees and visitors as approved by the Contracting Officer. Details of construction shall be as shown on the drawings attached at the end of this section. The sign shall be constructed of 3/4-inch-thick, grade A-C, exterior-type plywood. The sign shall receive two coats of an approved white, semigloss, exterior type enamel. Lettering shall be as shown on the drawings and shall be semigloss, exterior type enamel of the colors noted on the drawings. The Contractor shall furnish and apply a red decal of the Corps of Engineers' Castle, or may use a stencil in lieu of a decal provided the dimensions are the same. The Contractor will be furnished a Zero Accident logo decal. Decals shall receive a thin coat of clear spar varnish after application. If a stencil is used, the castle shall be painted with an approved red, semigloss, exterior type, enamel. The Contractor shall furnish a sufficient number of sign numbers to cover the length of the contract period and to keep both numbered spaces up to date. The Contractor shall keep the safety sign current by posting the numbers daily in both slots (lines 5 and 6 of sign). Numbers shall be red and the size indicated on the drawing and shall be of a weatherproof material. Upon completion of work under this contract, the project safety sign shall be removed from the Government-controlled land and remain the property of the Contractor.

6. PAYMENT: No separate payment will be made for the work covered under this section of the specifications and all costs in connection therewith will be considered as a subsidiary obligation of the Contractor, covered by the contract prices in this contract.

- - o o - -

SECTION 01590

OFFICE FACILITY

1. GENERAL. The Contractor shall provide, for the exclusive use of the Contracting Officer and/or his representative, a temporary, weatherproof office facility with a minimum 8 foot eave height. The building shall be located on site, in an area approved by the Contracting Officer. All facilities, furnishings, materials, and equipment shall be new or like new when furnished on site.

(4) 1.1 Building. The Contractor shall provide an office facility with a minimum of 1400 square feet of floor space. The facility shall be divided into three separate rooms, one of which shall be large enough to be used as an office and conference room. The facility shall be equipped with potable, chilled drinking water, electric power, adequate lighting, air conditioning and heating equipment, and combination male/female toilet facility with locking door. Locks, keyed alike, shall be provided for exterior doors. Onsite telephone service shall be provided and shall include six separate lines (three for telephone, one for FAX machines, and two for computer modems). The Contractor is responsible for all costs associated with installing the initial service, running all lines, and any fees for removal after the contract is complete. (4)

1.2 Furniture. The Contractor shall provide furniture including the following:

- (4) (1) 1 drafting table with stool.
- (2) 6 desks with one revolving chair for each desk.
- (3) 2 conference tables, 3' x 6' minimum.
- (4) 12 straight back chairs. (4)
- (5) 6 bookcases.
- (6) 6 legal size file cabinets with four drawers.
- (7) 2 computer desks with chairs.
- (8) 2 plan racks.

Note: Used furniture, in good condition, may be acceptable if approved by the Contracting Officer.

1.3 Telephone Services. The Contractor shall provide the following:

- (1) 5 telephone services.
- (2) 2 Cell Phones. The Contractor shall pay all expenses to furnish the cell phones, including standard monthly local access fees. The Government will

SECTION 01595

OFFICE EQUIPMENT

1. GENERAL. The Contractor shall provide, for the exclusive use of the Contracting Officer and/or his representative, all temporary office equipment specified herein including appropriate software and accessories. Office equipment shall be new or like new and shall be located in the Corps of Engineers temporary office facility.

1.1 Computer Equipment and Software.

(4) 1.1.1 Computers. The Contractor shall provide 5 computers with the following components: The units and software shall be retained until final payment. (4)

(1) Intel Pentium 4 processor at 1.6 GHZ or approved equal.

(2) 16x10x40 CD-RW Drive Roxio's Easy CD Creator.

(4) (3) 1024 MB RAM. (4)

(4) (4) 512k pipeline burst external cache

(5) 40 GB hard disk drive.

(6) 3.5" 1.44MB floppy disk drive.

(7) 56K V90 data/fax modem.

(4) (8) MS mouse and software; 101 pad keyboard. (4)

(9) 64 bit PCI graphics card with 16MB VRAM.

(10) 19" monitor, 1600x1200 resolution with .26 inch dot pitch.

(11) Surge suppressor.

(4) (12) HP Laser Jet VP or approved equal (All desktop units shall be connected to printer).

(13) Deleted. (4)

1.1.2 Computer Software (WINDOWS Compatible). Provide the following with complete documentation:

(1) Microsoft Office 2000 Professional Edition, Version SR1.

(4) (2) Primavera P3.

(3) Windows 2000.

(4) (4) Norton AntiVirus, Version 5.0

(5) Microstation for Windows 2000.

(4)

1.2 Copy Machines

1.2.1 The Contractor shall provide and maintain:

(4) (1) Fax/Copy/Telephone Answering Machine: Brother MFC 7160c multi-function center or approved equal with 3 replacement toner cartridges. (4)

(2) One XEROX 5028 copy machine or approved equal with automatic document feeder and sorter, to be retained until final payment.

(4) 1.3 Digital Camera: The Contractor shall provide an Olympus Camedia Digital Camera C-3020 Zcom with camera case, additional 128 MB memory card, flashpath disk, and Photo Suite Ii photo finishing software or approved equal. (4)

2. APPROVAL OF OFFICE EQUIPMENT. Approval of the adequacy of the office equipment shall be obtained from the Contracting Officer prior to installation at the job site.

3. MAINTENANCE AND REMOVAL. The office equipment shall be serviced and maintained in good repair by the Contractor during the life of this contract. After receipt of final payment, all office equipment shall be removed from the site by the Contractor, unless otherwise specified.

4. YEAR 2000 COMPLIANCY. All hardware, firmware, and software provided shall be able to accurately process date/time data for all operations through the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations. All systems provided shall be capable of accurately exchanging date/time data information with existing year 2000 compliant systems.

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SECTION 01610

AGGREGATE SOURCES FOR PORTLAND CEMENT CONCRETE

1. CONCRETE AGGREGATE SOURCES

(4)

Fine and coarse aggregates to be used in all concrete shall be evaluated and tested by the Contractor for alkali-aggregate reactivity in accordance with ASTM C 1260 Modified, as hereinafter specified. Aggregate used for testing, shall be the Contractor's proposed aggregates. All proposed size groups of coarse and fine aggregates shall be represented. The aggregates shall be evaluated in combination and shall match the Contractor's proposed mix design proportioning. Test results of the proposed aggregates in combination with the cementitious materials, as specified below, shall have a measured expansion of less than 0.1 percent at 16 days. Should the test data indicate an expansion of greater than 0.1 percent, additional testing, by the Contractor utilizing the modified version of ASTM C 1260 shall be performed.

a. ASTM C 1260 shall be modified as follows:

(1) Utilize the project Type I or II, low alkali cement and the project Class "F" fly ash (pozzolan) in combination as the cementitious material for the test proportioning.

(2) Project Class "F" fly ash shall be used at a minimum rate of 30 percent, by mass, of the total cementitious material.

b. A decreased quantity of fly ash will be allowed, to a minimum of 20 percent of the total cementitious material, if laboratory test results indicate that the maximum allowable expansion, of 0.10 percent at 16 days age, is not exceeded. A Corps of Engineer's validated, independent laboratory qualified to perform ASTM C testing shall perform the tests.

c. If the above option does not lower the expansion to less than 0.1 percent at 16 days, the aggregate(s) shall be rejected and the Contractor shall submit new aggregate sources for retesting.

The results of all testing and investigation shall be submitted to the Contracting Officer for evaluation and acceptance.

(4)

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- APPENDIX B - PLANNING DOCUMENT FOR THE DESIGN OF A NEW WINGATE  
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- APPENDIX L - ARCHAEOLOGICAL SURVEY

APPENDIX L

ARCHAEOLOGICAL SURVEY

CULTURAL RESOURCES COMPLIANCE FORM  
HISTORIC PRESERVATION DEPARTMENT  
PO BOX 4950  
WINDOW ROCK, ARIZONA 86515

ROUTING: COPIES TO  
NM SHPO  
XX REAL PROPERTY MGT/330  
XX HPD/Facilities Management

NNHPD NO. HPD-02-196  
OTHER PROJECT NO. \_\_\_\_\_

51/AR/2000

PROJECT TITLE: An Archaeological Survey for the Proposed Construction of the New Wingate Elementary School located within the Fort Wingate Community, Fort Wingate, McKinley County, New Mexico

LEAD AGENCY: BIA/NR

SPONSOR: Geraldine Arviso, BIA/Navajo Regional Facility Management, PO Box 1060, Gallup, New Mexico 87305

PROJECT DESCRIPTION: The proposed undertaking will involve the construction and development of a new elementary school campus along with the installation of associated facilities. Ground disturbance both surface and surface will be both intensive and extensive with the use of heavy equipment.

LAND STATUS: Administrative Reserve

CHAPTER: Iyanbito

LOCATION: Unplatted & Projected T14N, R16W; Fort Wingate Quad, McKinley County, New Mexico NMPM

PROJECT ARCHAEOLOGIST: Dennis Yazzie & Tamara Billie  
NAVAJO ANTIQUITIES PERMIT NO.: NTC

DATE INSPECTED: 03/17-20/01 & 05/17/01 thru 06/07/01

DATE OF REPORT: 05/31/01

TOTAL ACREAGE INSPECTED: 100.0 ac

METHOD OF INVESTIGATION: Class III pedestrian inventory with transects spaced 10-12 m apart.

LIST OF CULTURAL RESOURCES FOUND: (7) Sites (NM-Q-36-2, NM-Q-36-3, NM-Q-36-5, NM-Q-36-6, NM-Q-36-7, NM-Q-36-8, NM-Q-36-9) & (2) In-Use Sites (IUS)  
LIST OF ELIGIBLE PROPERTIES: (7) Sites (NM-Q-36-2, NM-Q-36-3, NM-Q-36-5 thru NM-Q-36-9)  
LIST OF NON-ELIGIBLE PROPERTIES: (2) IUS  
LIST OF ARCHAEOLOGICAL RESOURCES: (6) Sites (NM-Q-36-2, NM-Q-36-3, NM-Q-36-5 thru NM-Q-36-8)

EFFECT/CONDITIONS OF COMPLIANCE: No historic properties will be adversely affected with the following conditions:

A testing plan, and if necessary, a data recovery plan shall be developed and implemented in consultation with the Navajo Nation Historic Preservation Department (NNHPD) for the sites listed below. The plan must be consistent with the Navajo Nation policies and procedures, and must be approved by NNHPD.

Since the construction of school will be designed in the Southern portion of the project area, the following sites will be tested for nature & extent purposes:

NM-Q-36-2	NM-Q-36-5	NM-Q-36-7
NM-Q-36-3	NM-Q-36-6	NM-Q-36-8

Site NM-Q-36-9:

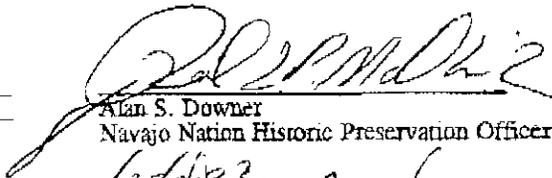
If the site cannot be avoided, a mitigation plan shall be developed to lessen the effect of the undertaking. A mitigation plan will consist of an American Building Survey (HABS) Document.

In the event of a discovery ["discovery" means any previously unidentified or incorrectly identified cultural resources including but not limited to archaeological deposits, human remains, or locations reportedly associated with Native American religious/traditional beliefs or practices], all operations in the immediate vicinity of the discovery must cease, and the Navajo Nation Historic Preservation Department must be notified at (928) 871-7132.

FORM PREPARED BY: Charles Murphy  
FINALIZED: June 5, 2002

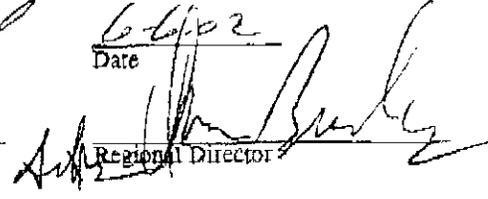
Notification to  
Proceed Recommended:  
Conditions:

Yes  No   
Yes  No

  
Alan S. Downer  
Navajo Nation Historic Preservation Officer  
6-6-02  
Date

Navajo Region Approval:

Yes  No

  
Regional Director  
6-13-02  
Date

**NAVAJO NATION**

**ENVIRONMENTAL  
ASSESSMENT**

**FOR THE**

**FORT WINGATE  
ELEMENTARY  
REPLACEMENT  
SCHOOL**

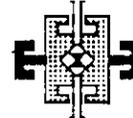
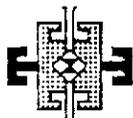
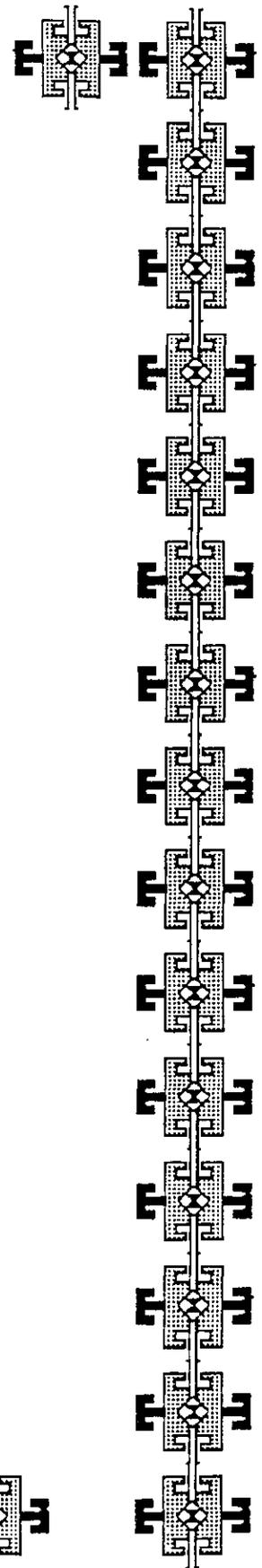
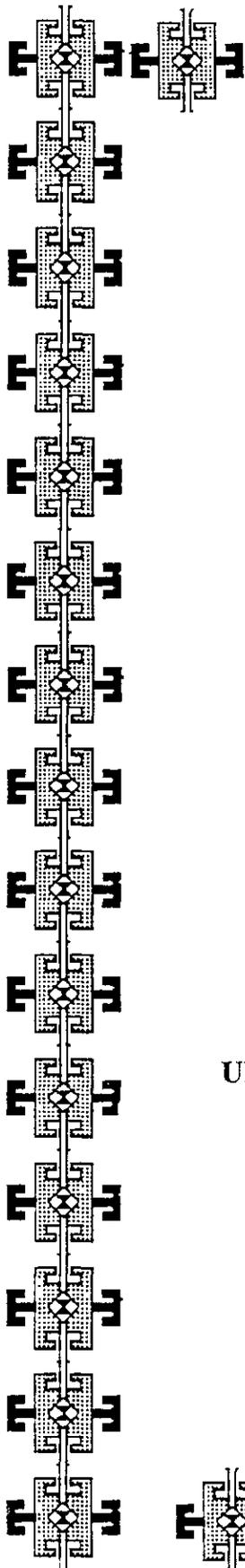
**FORT WINGATE**

**NEW MEXICO**

**UNITED STATES DEPARTMENT OF INTERIOR  
BUREAU OF INDIAN AFFAIRS**

**REVISED  
JUNE 2002**

**MARRON AND ASSOCIATES, INC.  
ENVIRONMENTAL SCIENCE AND PLANNING  
ALBUQUERQUE, NEW MEXICO**



**Environmental Assessment**

Fort Wingate Elementary Replacement School  
Fort Wingate, McKinley County, New Mexico

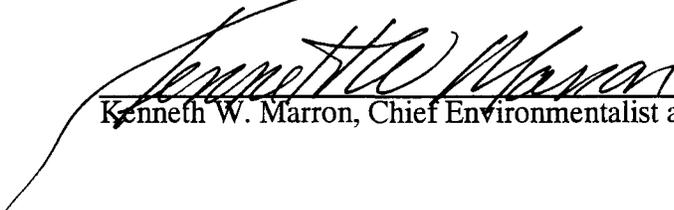
U.S. Department of Interior, Bureau of Indian Affairs  
The Navajo Nation

\_\_\_\_\_  
Bureau of Indian Affairs

\_\_\_\_\_  
Date

\_\_\_\_\_  
Bureau of Indian Affairs

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Kenneth W. Marron, Chief Environmentalist and Planner

06/28/02  
\_\_\_\_\_  
Date

The following may be contacted for additional information concerning this document:

Marron and Associates, Inc.  
Environmental Science and Planning  
7809 Fourth St NW  
Albuquerque, NM 87107  
(505) 898-8848

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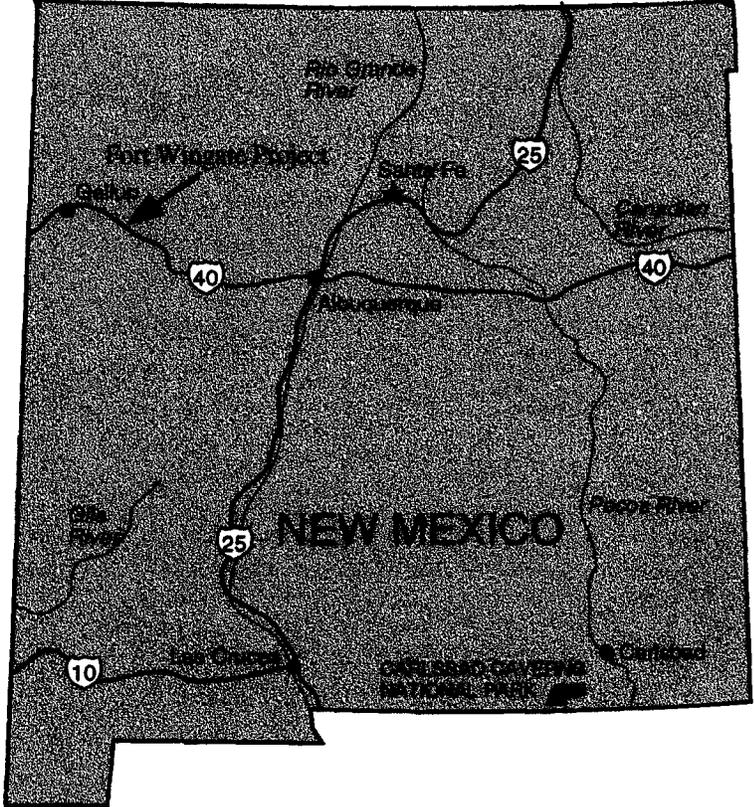
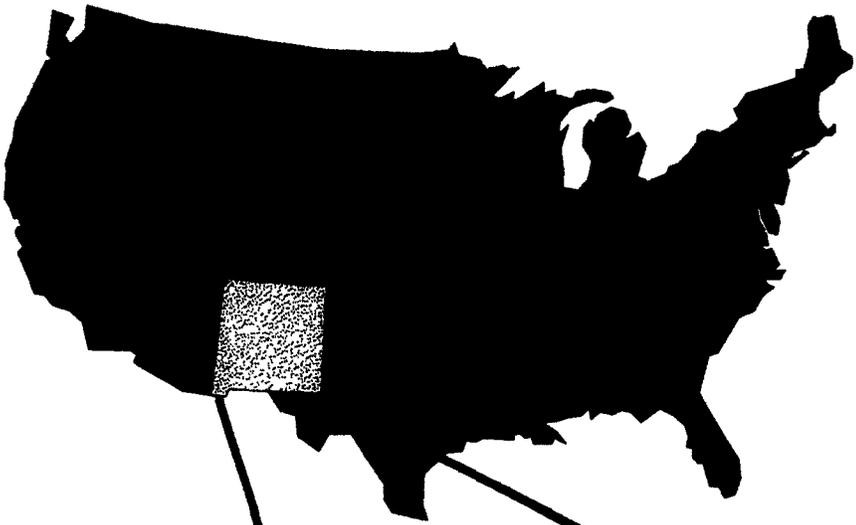
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## ACRONYMS AND ABBREVIATIONS

AQCR:	Air Quality Control Region
BIA:	Bureau of Indian Affairs
BMP:	Best Management Plan
CEQ:	Council on Environmental Quality
COE:	U.S. Army Corps of Engineers
CWA:	Clean Water Act
EA:	Environmental Assessment
EIS:	Environmental Impact Statement
EPA:	Environmental Protection Agency
FONSI:	Finding of No Significant Impact
FR:	Forest Road
HUD:	U.S. Department of Housing and Urban Development
ISA:	Initial Site Assessment
ITA:	Indian Trust Asset
NAAQS:	National Ambient Air Quality Standards
NEPA:	National Environmental Policy Act
NF&WD:	Navajo Fish and Wildlife Department
NNHPD	Navajo Nation Historic Preservation Department
NPDES:	National Pollutant Discharge Elimination System
SWPP:	Storm Water Pollution Prevention Plan
SR:	State Road
USFWS:	U.S. Fish and Wildlife Service
USPHS:	U.S. Public Health Service



**FORT WINGATE ELEMENTARY REPLACEMENT SCHOOL**

*Marron and Associates, Inc.*  
7809 Fourth Street NW  
Albuquerque, NM 87107-6526



**Map 1**  
**Regional Location**

## **1.0 PROPOSED ACTION**

### **1.1 DESCRIPTION OF PROPOSED ACTION**

An environmental assessment (EA) was undertaken by Marron and Associates, Inc. for the Bureau of Indian Affairs (BIA) to evaluate environmental impacts that would result from the construction of the Fort Wingate Elementary Replacement School on the Navajo Reservation, Fort Wingate, New Mexico.

This document was prepared in accordance with National Environmental Policy Act (NEPA) regulations and applicable BIA and Navajo Nation regulations and guidelines. The EA includes the necessary documentation for the BIA to determine either a finding of no significant impact (FONSI) or the necessity for an environmental impact statement (EIS).

### **1.2 PURPOSE AND NEED**

The purpose of constructing the Fort Wingate Elementary Replacement School is to address the need for more modern facilities and to meet the demands of a projected increase in enrollment over the next 10 years. The new school will replace aging facilities which are no longer suited for educational use. It will be more cost effective to construct a new facility rather than to renovate the existing school facility. Enrollment over the next 10 years is projected to increase at a target growth rate of 2.2% annually.

### **1.3 PROJECT LOCATION AND SETTING**

The proposed Fort Wingate Elementary Replacement School will be located within the Navajo Reservation, Fort Wingate, McKinley County, New Mexico. The proposed facility will occupy approximately 100 acres. The area is located on the Fort Wingate, New Mexico 1995 U.S. Geological Survey 7.5-minute series topographic map in Section 5 of Township 14N, Range 16W (see Figure 1.1).

### **1.4 HISTORICAL BACKGROUND**

Fort Wingate Elementary School is a BIA boarding school. It serves students in grades kindergarten through eight and also has an early childhood and adult education program. The school serves children from the area in and around Gallup in southwestern McKinley County, primarily serving five chapters: Iyanbito, Church Rock, Tsayatoh, Red Rock, and Pinedale. The school busses students primarily from the areas of Church Rock, Sundance, Pinedale, and Iyanbito. Additionally, the school transports boarding students from a larger area.

Fort Wingate Elementary School is located on the site of the former military post of Fort Wingate, established in 1860. Over the years, the school site has been used for a variety of purposes, including housing troops, serving as a training post for the Army, sheltering refugees fleeing the Mexican Revolution, storing high explosives, and in 1925 it was transferred to Indian Services to be used as a school. Today Fort Wingate Elementary School enrolls nearly 700 boarding and day students a year from kindergarten through eighth grade.

## 2.0 ALTERNATIVES

### 2.1 ALTERNATIVE 1: NO ACTION

The no action alternative will maintain the existing elementary school facility in its present state. The new school and dormitories are necessary to replace aging facilities no longer suitable for educational use. The no action alternative does not support the school's goals and objectives to provide a safe and supportive educational environment which includes providing a new elementary school, including support facilities and dormitories. (See Figure 2.1)

### 2.2 ALTERNATIVE 2: SITE 2

Site 2 comprises approximately 56 acres of buildable land bordering the south side of Forest Road (FR) 546 (see Figure 2.1). It lies directly west of the existing elementary school and has housing to the immediate east. The site has moderate tree cover consisting of piñon and juniper and open grasslands in the center of the site where several drainage channels converge. The south end of the site rises to the top of a rim and falls off steeply to the north about 500 feet with a moderately to severely sloping gradient of 5-15%. The grade of the site then flattens out to approximately 3% in the grassed area. The contour relief of the terrain in Site 2 could be utilized to optimize views to the north. Due to the location of the ridge to the south of Site 2, no views would be available to the south.

In order to provide access to Site 2, FR 546 will have to be improved to a minimum paved surface width of 28 feet extending from the intersection of State Road (SR) 400 and FR 546 west approximately 2000 feet.

Site 2 lies at the convergence of several drainage channels and will require the design of a large volume of storm water drainage conveyance structures. The upper reaches of the drainage basins located on the south side of the site are steep and water velocities within the channels will be high during larger storm events. In order to ensure compliance with erosion control and sediment transport into drainage channels, erosion control measures will be required during construction.

Site 2 has electricity available at its northerly boundary along FR 546. Site 2 will require the installation of a complete water well, storage tank, and transmission line system. Due to the nature of the terrain between Site 2 and the existing sewage treatment lagoons, it is anticipated that gravity flow sewage collection will not be possible. A sewage lift station and extended sewer lines will be required in order to utilize the existing treatment lagoons.

### 2.3 ALTERNATIVE 3: SITE 3

Site 3 contains approximately 96 acres of buildable land located directly east of the existing elementary school and housing area (see Figure 2.1). The historical Fort Wingate Cemetery lies just east of this site. The site has limited tree cover, but significant established grasses are contained throughout the balance of the site. Ground slopes are moderate at about 4% with flows being conveyed to the north. Site 3 has an unobstructed view of the mesas to the north. The only detriment in visual aspect for this site is the existing sewage lagoons located to the north of the site.

Site 3 does not border any established roadways. The closest paved roadway is approximately 400 feet west of the site. A significant amount of offsite infrastructure improvements with respect to roadways will be required.

Due to the moderately sloping gradient of this site, the design of storm water drainage conveyance structures will be minimal, and only minor channel stabilization will be required. In order to ensure compliance with erosion control and sediment transport into drainage channels, erosion control measures will be required during construction.

Site 3 does not have electricity available at the proposed property boundary. Transmission lines will have to be extended from the existing elementary school about 1000 feet. Additional well capacity and water storage tank will be required. Sewer lines will have to be extended in order to use the existing sewage treatment lagoon.

#### **2.4 ALTERNATIVE 4: PREFERRED SITE (SITE 1)**

Site 1 comprises approximately 100 acres of buildable land bordering the north side of FR 546 (see Figure 2.1). It lies northwest of the existing elementary school and has housing to the north and northeast. The site has moderate tree cover consisting of piñon and juniper and an established growth of grass ground cover. Site 1 lies on a moderately sloping gradient of approximately 3.3%. The site lies within a slight depression on a moderate northerly slope. Views of the mesas to the north are somewhat obstructed by the water tower and high school buildings but not totally eliminated.

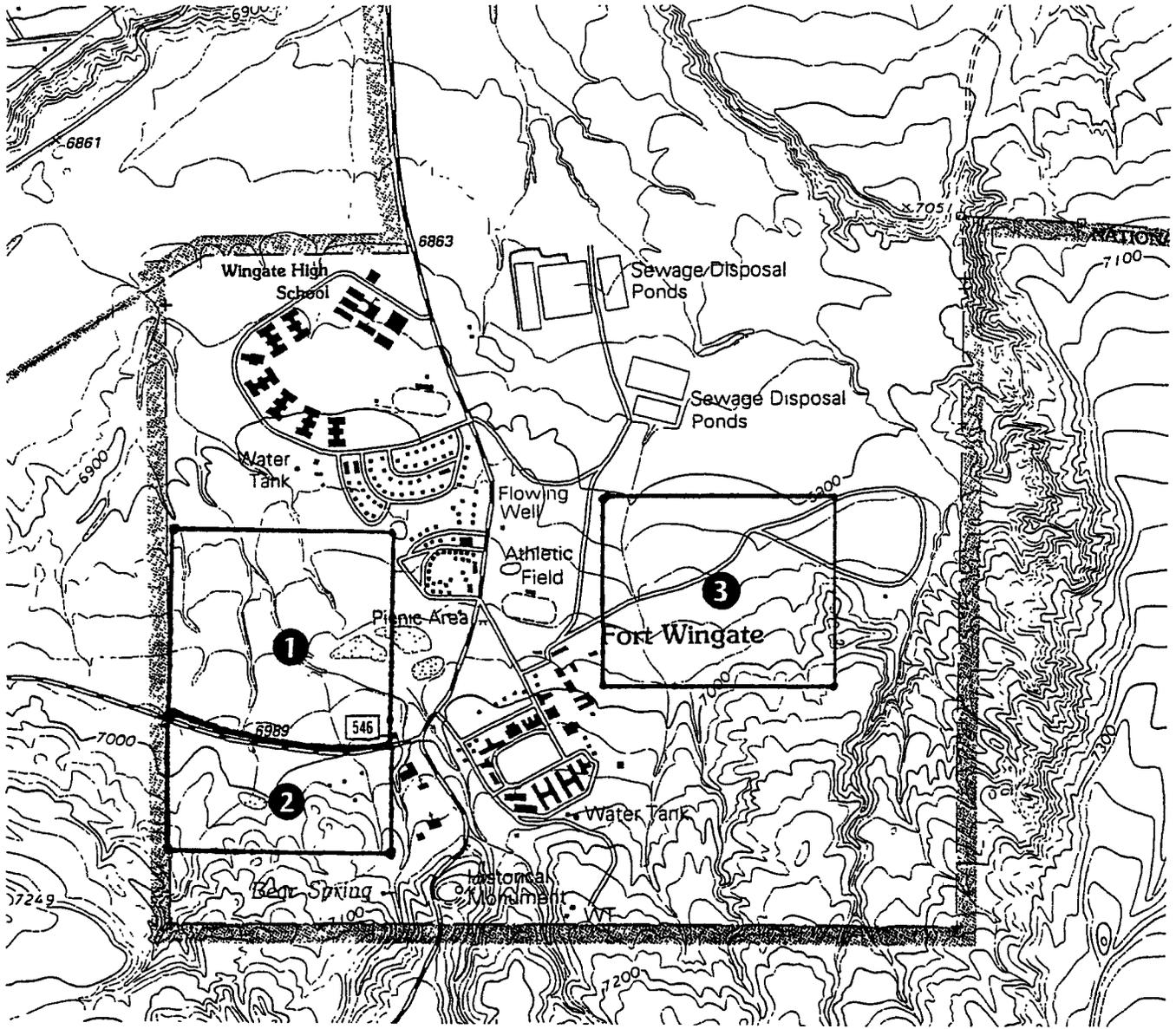
In order to provide access to Site 1, FR 546 will have to be improved to a minimum paved surface width of 28 feet extending from the intersection of SR 400 and FR 546 west for 2000 feet. Due to the presence of three significant drainage channels, the site roadways and access roadway will require the design and installation of some sizeable drainage structures.

Due to the large area of upstream drainage basin area contained in Site 1, a large volume of storm water drainage conveyance structures will be required. Stabilization of the drainage channels will be of primary importance in the development of this site. Stabilization will include the installation of riprap or other form of erosion control and possibly the regrading of an old earthen dike remaining on the site to ensure controlled drainage flow within the eastern most channel. In order to ensure compliance with erosion control and sediment transport into drainage channels, erosion control measures will be required during construction.

Site 1 has electricity available at its southerly boundary along FR 546. Additional well capacity and water storage tank will be required. Sewer lines will have to be extended in order to use the existing sewage treatment lagoons.

**Table 2.1 Summary Comparison of Alternatives**

	Alternative 1 No Action	Alternative 2 Site 2	Alternative 3 Site 3	Alternative 4 Preferred Site
<b>Vegetation</b>	No impact.	40% cover.	20% cover.	100% cover.
<b>Site Accessibility</b>	No impact.	FR 546 must be improved to paved surface width of 28 feet for 2000 feet from SR 400.	No accessibility. Construction of access roadway required. Closest paved roadway is approximately 400 feet west of site.	FR 546 must be improved to paved surface width of 28 feet for 2000 feet from SR 400. Installation of roadway drainage structures required.
<b>View</b>	No impact.	Good views. Optimize views to the north. Ridge to south of site obstructs view to the south.	Great views. Unobstructed view of mesas to the north. Sewage lagoons visible to the north.	Moderate views. Views to the north somewhat obstructed by water tower and high school buildings.
<b>Drainage</b>	No impact.	Site lies at convergence of several drainage channels. Requires a large volume of storm water drainage conveyance structures.	Requires only minimal storm water drainage conveyance structures.	Site traversed by three main drainage channels. Requires largest volume of storm water drainage conveyance structures.
<b>Waters of the United States</b>	No impact.	At least three arroyos must be addressed.	None.	At least three arroyos must be addressed.
<b>Infrastructure</b>				
<b>Electricity</b>		Available.	Not available. Extension of transmission lines required.	Available.
<b>Natural Gas</b>		Available.	Available.	Available.
<b>Water</b>	No impact.	Installation of complete water well, storage tank and transmission line system required. Extensive wastewater treatment infrastructure required.	Additional well and storage tank capacity required.	Additional well and storage tank capacity required.
<b>Sewage</b>			Extensive wastewater treatment infrastructure required.	Extensive wastewater treatment infrastructure required.
<b>Hazardous Materials</b>	Potential Hazmat still exists.	None.	None.	Biomedical waste and illegal dumping observed.
<b>Cultural Resources</b>	No impact.	Known cultural resources in general area.	Known cultural resources in general area. Close to historic cemetery.	Known cultural resources in general area.



**FORT WINGATE ELEMENTARY REPLACEMENT SCHOOL**

*Marron and Associates, Inc.*  
 7809 Fourth Street NW  
 Albuquerque, NM 87107-6526



**Figure 2.1**  
**Project/Alternatives Location**

### 3.0 DESCRIPTION OF THE AFFECTED ENVIRONMENT

#### 3.1 LAND RESOURCES

##### Impaired Properties/Hazardous Materials

A hazardous materials investigation was completed by the Navajo Nation. No hazardous materials were found. During the initial site visit in July 2000, a small amount of biomedical waste, illegal dumping of household and commercial materials, and many old vehicle bodies were observed on the project site. In addition, Radon levels in the existing elementary school are above acceptable levels, and Radon mitigation will be required with construction of a new school facility.

##### Natural Land Forms

The project area lies within Navajo Reservation land in Fort Wingate, McKinley County, in northwestern New Mexico. The average elevation of the project area is approximately 7000 feet above sea level. The dominant landform to the west of the project area is the Hogback, a ridge of steeply dipping sedimentary rocks. The area south of the project area is Cibola National Forest land. Six Mile Canyon lies to the southeast and east of the project area, and the low alluvial floodplain of the south fork of the Rio Puerco lies to the north of the project area.

##### Soils/Farmlands/Grazing

Two soil associations occur within the project location: Moriarty-Prewitt and Thurloni-Savoia-Conchos. The Moriarty-Prewitt association occurs mainly in valley bottoms and on flood plains and terraces along intermittent drainages and is dominated by soils that are slightly to moderately saline and alkali-affected. These soils occupy nearly level to gently sloping landscapes and are forming in fine-textured alluvium weathered principally from shale and other sedimentary materials. Although occurring on gentle slopes, they are susceptible to erosion. The soils in this association have very slow permeabilities and fine textures. The Thurloni-Savoia-Conchos association occurs in a variety of topographical settings ranging from nearly level to strongly sloping. The soils in this association are developing residually in parent materials weathered from sedimentary rocks, including shale, sandstone, and limestone or in alluvial and eolian sediments. The major soils are moderately deep and deep, but shallow soils and shale and rock outcrops are also included in this association. The soils in this association are susceptible to erosion.

Agricultural land is categorized as prime and unique or as of statewide and local importance. The Natural Resource Conservation Service, which has jurisdiction over farmlands, defines prime or unique farmlands as those lands whose value is derived from their general advantage as cropland due to soil and water conditions. Farmlands deemed of statewide importance are important to agriculture but exhibit some properties that exclude them from the prime farmland classification. No prime farmlands or farmlands of statewide importance are found within the general project area.

The land comprising the general project area has never been used for grazing.

### Vegetation

The project area consists of piñon-juniper woodland with a big sagebrush understory. Additional vegetation observed includes fringed sage, fourwing saltbush, rose heath, snakeweed, summer cypress, winterfat, pale wolfberry, prickly-pear cactus, banana yucca, various wildflowers, and mixed grasses. (See Appendix C for a complete listing of observed species.)

## **3.2 WATER RESOURCES**

### Floodplain/Flood Hazard/Drainage/NPDES

Executive Order 11988, Floodplain Management, requires that any potential impacts to floodplain areas be studied, assessed, and identified to reduce the risk of flood loss; to minimize the impact of floods on human safety, health, and welfare; and to restore and preserve the natural and beneficial values served by floodplains. Therefore, project planning must ensure that the proposed construction will be compatible with the floodplain areas by identifying potential impacts and ways to mitigate them.

Unincorporated areas of McKinley County have been mapped by the U.S. Department of Housing and Urban Development (HUD) on Flood Hazard Boundary Maps. Community Panel Numbers 350039 0021 A and 350039 0029 A show the project area. Existing flood areas and their associated drainages in relation to the project site are shown in Figure 3.1. The Zone A floodplain boundary, comprising special flood hazard areas inundated by the 100-year flood, where no base elevations have been determined, encompasses a majority of the project area.

Surface runoff within the project area is primarily ephemeral and comes as runoff from storm water, most of which is provided by summer thunderstorms. Three main drainage channels traverse the project site and appear to convey substantial storm water flows. These drainage channels are tributary to a main drainage basin, the south fork of the Rio Puerco. In addition, an old earthen dike is located on the project site. Although it was not ponding water at the time of the site inspection, the possibility exists that during a heavy rain, the area could be inundated with water or ponding would be deep enough to pose a threat to small children.

### Water Quality

No surface water was encountered on the project site, and no springs were observed. Furthermore, no springs have been recorded on the U.S. Geological Survey (USGS) maps for the project area.

The Glorieta sandstone/San Andres limestone forms the major aquifer of the region. Water is pumped from three wells located within the Fort Wingate area. Well 1 is a 295 feet deep artesian well with a production rate of 12 gallons/minute, Well 2 is 357 feet deep and has a production rate of 5 gallons/minute, and Well 3 is a 150 feet deep artesian well with a production rate of 88 gallons/minute. There is no evidence that the water from these wells does not meet current water quality standards. The flow of water is from the southeast to the northwest.

Three arroyos are located within the project site. The arroyos are considered Waters of the United States thereby requiring a clearance and type of Clean Water Act (CWA) Section 404 permit issued by the U.S. Army Corps of Engineers (COE).

#### Wetlands

Wetland systems and classes are based on criteria set forth in the Clean Water Act (CWA) of 1977, Executive Order 11990, and other regulatory materials. There are no known wetlands within the project area.

### **3.3 AIR/NOISE RESOURCES/IMPACTS**

Fort Wingate is located in western McKinley County, which has been designated by the Environmental Protection Agency (EPA) as a rural attainment area, indicating that ambient air quality meets or exceeds the National Ambient Air Quality Standards (NAAQS). Western McKinley County is located within New Mexico state designated Air Quality Control Region (AQCR) Number 1, which corresponds to EPA Region 14, the Four Corners Interstate Region.

No adverse impacts from air or noise are anticipated from the proposed action.

### **3.4 LIVING RESOURCES**

#### Threatened and Endangered Species/Species of Concern

Federal and Navajo threatened or endangered species are protected by law. Species from those currently listed as proposed, threatened, and endangered by the U.S. Fish and Wildlife Service (USFWS) and candidate, threatened, endangered and extirpated by the Navajo Fish and Wildlife Department (NF&WD) were reviewed during this environmental study.

No federal or Navajo listed plant, animal or bird species were seen during a biological survey of the project site in September 2000, and few are likely to occur within the project limits. However, due to the presence of suitable habitat and/or foraging area within the general project area, some federal species of concern and Navajo candidate and threatened species could potentially occur on the project site. (See Appendix B)

#### Wildlife

A 100% biological survey of the project area indicated the presence of four animal species, 15 bird species, and one reptile species. Some of the common mammal species inhabiting the area include deer, hares, rabbits, mice, and a number of bird species. (See Appendix C for a complete listing of observed species.)

Tracks of mule deer were noted within the project site. Larger mammals, such as deer have large ranges and are transient in the project area. Virtually all of the small mammal and reptile species are permanent residents of the area. Many of the bird species observed during the survey should be considered as local and resident; however, some species may be migrant.

### 3.5 HISTORIC AND CULTURAL RESOURCES

A site records search and 100% coverage pedestrian survey were conducted for the site. This research resulted in a cultural resource inventory and subsequent report entitled *An Archaeological Survey for the Proposed Construction of the New Fort Wingate Elementary School Located Within the Fort Wingate Community, Fort Wingate, McKinley County, New Mexico*, which has been submitted under separate cover. The Navajo Nation Historic Preservation Department (NNHPD) has concurred with the findings and recommendations of the cultural resources report (see Appendix A).

The cultural resources inventory resulted in the identification of four new sites and two previously recorded sites within the area of the proposed project. No properties listed on the New Mexico State Register of Cultural Properties or the National Register of Historic Places occur within the project area. Five sites identified in the cultural resource inventory are either eligible or potentially eligible for inclusion in the National Register of Historic Places.

Components recognized on the six sites consist of multi-component Prehistoric PII to PIII Anasazi artifact scatters and rubble mounds.

The only Traditional Cultural Resource (TCP) noted was Bear Spring, which is a traditional Navajo offering and mineral source site and is located approximately 1/4 mile south of the proposed school site.

### 3.6 VISUAL RESOURCES

Regulations of NEPA and CEQ identify aesthetics, or visual quality, as one of the elements in the environment that may be considered in determining the effects of a construction project. Visual resources are those physical features that make up the visible landscape, including land, water, vegetation, and human-made elements. No adverse impacts to visual resources are anticipated from the proposed Fort Wingate Replacement Elementary School project.

### 3.7 TRANSPORTATION NETWORK

Existing roadways in the area include Forest Road (FR) 546 and State Road (SR) 400. FR 546 is a gravel roadway extending from SR 400 southwest approximately two miles to the Fort Wingate Workcenter and borders the project site along its southerly boundary. SR 400 is a paved roadway from I-40 through Fort Wingate.

---

Table 3.1

<b>Summary of Socioeconomic Data for the Navajo Nation and McKinley County, New Mexico</b>		
	<b>Navajo Nation</b>	<b>McKinley County, New Mexico</b>
<b>Total Population</b>	151,105 <sup>1</sup>	67,754 <sup>2</sup>
<b>Native American Population (Percentage of Total)</b>	146,001 <sup>1</sup> (96.6%)	49,184 <sup>2</sup> (72.6%)
<b>Population 65+ years (Percentage of Total)</b>	8,864 <sup>1</sup> (5.9%)	4,343 <sup>2</sup> (6.4%)
<b>Population Below Poverty Level (Percentage of Total)</b>	84,508 <sup>1</sup> (55.9%)	25,622 <sup>3</sup> (38.9%)
<b>Percent Unemployed</b>	27.9% <sup>1</sup>	7.9% <sup>4</sup>

<sup>1</sup>Data are summarized from the 1990 Census; <sup>2</sup>Data are summarized from the 1996 Census; <sup>3</sup>Based on the population reported for 1994; <sup>4</sup>Unemployment figure from 1994

### 3.8 SOCIOECONOMIC CONDITIONS

Table 3.1 summarizes the socioeconomic characteristics of the Navajo Nation and McKinley County, New Mexico. Because the project consists of a replacement school for the existing school, socioeconomic conditions will not be affected.

### 3.9 ENVIRONMENTAL JUSTICE

Federal agencies are required to identify and address disproportionately high and adverse human health or environmental effects of its activities on minority and low income populations under Executive Order 12898 (published in the Federal Register on February 11, 1994). The proposed project was selected based on need to replace aging elementary school facilities no longer suitable for educational use. The proposed project would not have any significantly adverse impacts on people or any disproportionate effects on minority or low-income populations.

### 3.10 INDIAN TRUST RESOURCES

Indian trust assets (ITAs) are legal interests in property held in trust by the United States of America for Indian tribes or individuals. ITAs include such items as land, minerals, hunting and fishing rights, and water rights. No potential effects on ITAs for the Navajo Nation were identified.

### 3.11 PUBLIC SERVICES AND INFRASTRUCTURE

Services in Fort Wingate include the Fort Wingate Post Office, the Fort Wingate Trading Post, and the Bear Springs Enterprises convenience store. Additional goods and services are sought in Gallup.

Fire protection is provided by the Fort Wingate Volunteer Fire Station and law enforcement is provided by the McKinley County Sheriff's Office and the Navajo Tribal Police. The New Mexico State Police maintains an office east of Gallup and is responsible for state and Federal highways.

Fort Wingate Elementary School serves students in kindergarten through eighth grade and also has an early childhood and adult education program. Students in ninth through twelfth grade attend Fort Wingate High School.

Electricity in the area is provided by the City of Gallup Electric Company, natural gas is provided by the Public Service Company of New Mexico, and telephone service is provided by Quest.

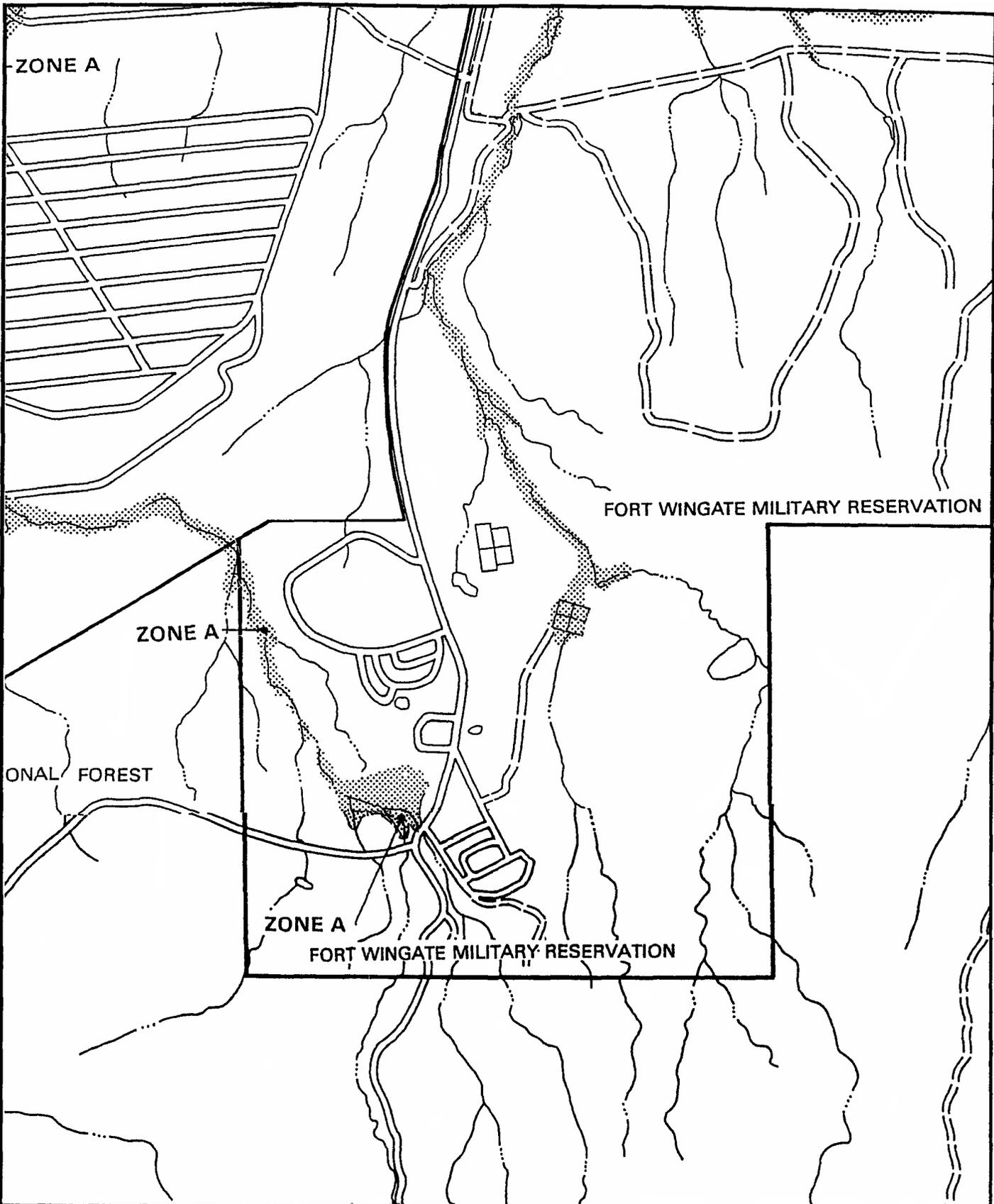
Solid waste management services for Fort Wingate are provided by Navajo Sanitation, and solid waste from the area is placed in the Red Rock Regional Landfill. Waste water treatment is serviced by the existing sewage treatment lagoons located on the east side of SR 400. These lagoons are aerobic lagoons with air injection systems. The existing waste water treatment plant and lagoons are in deplorable condition--the lagoons are almost completely sedimented in, they are undredged, they leak, and the aerators are not operational. Before any new structures are added to the existing treatment plant, it must be brought up to code and regulations. Fort Wingate is serviced by a water system maintained and owned by the BIA. The water storage tank is not in good condition, and the existing well houses are not in code. The available reserve storage tank capacity does not appear to be adequate to meet anticipated fire demand requirements, and the existing lines are believed to be old asbestos clay (AC) pipe.

### **3.12 RESOURCE USE PATTERN**

The Navajo Nation is actively engaged in economic development activities intended to create employment opportunities for members of the various chapters while generating revenues for the chapters. Planning activities will ensure compatibility with the overall tribal economic development goals and objectives.

### **3.13 PUBLIC HEALTH AND SAFETY**

Fort Wingate Volunteer Fire Station and Emergency Medical Service provides intermediate life support services for Fort Wingate, and MedStar Ambulance out of Gallup provides transport. General health services are provided by Rehoboth McKinley Christian Hospital and the U.S. Public Health Service's (USPHS) Gallup Indian Medical Center. Both hospitals are located in Gallup.



**FORT WINGATE REPLACEMENT ELEMENTARY SCHOOL**

*Marron and Associates, Inc.*  
 7809 Fourth Street NW  
 Albuquerque, NM 87107-6526



**Figure 3.1**  
**Flood Zone Map**

## **4.0 ENVIRONMENTAL CONSEQUENCES AND MITIGATION MEASURES**

### **4.1 LAND RESOURCES**

#### Impaired Properties/Hazardous Materials

No mitigation measures are required for construction of the preferred alternative.

#### Natural Land Forms

No mitigation measures are required for construction of the preferred alternative.

#### Soils/Farmlands/Grazing

During construction, exposed soils will be vulnerable to soil erosion by air dispersion and possible overland flow from storm runoff. Appropriate measures to minimize erosion will be implemented. Soil loss will be controlled by revegetation of disturbed areas upon project completion. Consequently, soil stability measures will be taken through standard contractual requirements to reduce both types of erosion.

#### Vegetation

The project area will be replanted with native plants and grasses after construction.

### **4.2 WATER RESOURCES**

#### Floodplain/Flood Hazard/Drainage/NPDES

Permission to discharge storm water from construction activities to Waters of the United States will be obtained under the National Pollutant Discharge Elimination System (NPDES). The contractor will implement a Storm Water Pollution Prevention Plan (SWPPP) which will detail sediment and erosion controls, storm water management measures, and best management practices (BMPs) for the construction activity.

In accordance with Executive Order 11988, the project design will not cause adverse changes in the flood hazard potential in the project area or have any adverse effects on floodplains. The school facility will be designed to permit the conveyance of a 100-year flood event without causing damage to the roadway or adjacent properties. Project planning will ensure that the proposed construction is compatible with the floodplain areas.

#### Water Quality

Clean Water Act (CWA) Section 404 permits issued by the U.S. Army Corps of Engineers (COE) will be needed to address three arroyos that traverse the project site. Construction activities associated with the preferred alternative are not expected to adversely affect groundwater or water quality. No other mitigation measures are required for construction of the preferred alternative.

### Wetlands

There are no known wetlands within the project area. No mitigation measures are required for construction of the preferred alternative.

## **4.3 AIR/NOISE RESOURCES/IMPACTS**

The only anticipated impact is expected to come from heavy equipment usage and the rural fugitive dust that will result during any construction. Dust and other particulate matter will be generated; however, these air pollutants will be temporary.

Noise levels around the construction site will increase as construction takes place but will discontinue after construction is complete.

No mitigation measures are required for construction of the preferred alternative.

## **4.4 LIVING RESOURCES**

### Threatened and Endangered Species/Species of Concern

No threatened, endangered, or species of concern species were found on the project site. No mitigation measures are required for construction of the preferred alternative.

### Wildlife

Although biotic impacts to flora and wildlife will occur with construction of the preferred alternative, the abundant habitat adjacent to the project will not be significantly impacted, and no mitigation measures are required.

## **4.5 HISTORIC AND CULTURAL RESOURCES**

All of the resources documented during the cultural resources investigation were evaluated for their potential to yield additional information and for their eligibility to the National Register of Historic Places. The data obtained during the cultural resource investigations regarding the six sites has been documented in the cultural resources report, and no further investigations are required. These isolated occurrences have been recorded and do not have the potential to yield information beyond that which has already been documented.

Four sites are eligible or potentially eligible for inclusion in the National Register of Historic Places. Several of the sites are eligible for inclusion on the National Register of Historic Places under criterion (d). If these sites cannot be avoided, additional investigations will be performed at these sites prior to construction to determine their potential for inclusion in the National Register of Historic Places.

If any substantial cultural resources are discovered during the actual clearing or any other construction stage of the project, activities at those specific sites will cease. The NNHPO will be notified and appropriate measures will be taken to determine the extent and importance of the resources.

Traditional Cultural Resources (Sacred Sites)

No mitigation measures are required for construction of the preferred alternative.

**4.6 VISUAL RESOURCES**

No adverse impacts to visual resources are anticipated from construction of the preferred alternative. No mitigation measures are required for construction of the preferred alternative.

**4.7 TRANSPORTATION NETWORK**

No mitigation measures are required for construction of the preferred alternative.

**4.8 SOCIOECONOMIC CONDITIONS**

Because the project consists of a replacement school for the existing school, socioeconomic conditions will not be affected. No mitigation measures are required for construction of the preferred alternative.

**4.9 ENVIRONMENTAL JUSTICE**

There will be no impact on minority or low-income populations.

**4.10 INDIAN TRUSTS RESOURCES**

The proposed project is not anticipated to have any effect on ITAs.

**4.11 PUBLIC SERVICES AND INFRASTRUCTURE**

The existing wastewater treatment plant and lagoons are in deplorable condition. Before any new structures are added to the existing treatment plant, it must be brought up to code and regulations. The existing water storage tank is not in good condition, and the existing well houses are not in code. The storage tank and well houses must also be brought up to code and regulations. In addition, additional water storage capacity will be required in order to meet anticipated fire demand requirements, and additional well capacity will be required.

**4.12 RESOURCE USE PATTERN**

No mitigation measures are required for construction of the preferred alternative.

**4.13 PUBLIC HEALTH AND SAFETY**

No mitigation measures are required for construction of the preferred alternative.

## **5.0 CONCLUSIONS REGARDING SIGNIFICANCE**

The engineering, social, economic, and environmental investigations conducted on the proposed action has not disclosed any significant impacts on the quality of the natural or human environment. This project has been discussed with tribal members at council meetings. No opposition to the project was noted.

## 7.0 REFERENCES

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**APPENDIX A**

**CORRESPONDENCE**

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GOVERNOR  
Gary E. Johnson



DIRECTOR AND SECRETARY  
TO THE COMMISSION  
Gerald A. Maracchini

STATE OF NEW MEXICO  
DEPARTMENT OF GAME & FISH

Villagra Building  
P O Box 25112  
Santa Fe, NM 87504

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Loco Hills, NM

August 25, 2000

**RECEIVED**

AUG 30 2000

**marron and associates, inc.**

Mr. Ken Marron  
Marron Associates, Inc.  
7809 Fourth Street NW  
Albuquerque, NM 87107-6526

Re: FORT WINGATE ELEMENTARY REPLACEMENT SCHOOL, NAVAJO  
NATION, CIBOLA COUNTY, NEW MEXICO  
NMGF Doc. No. 7158

Dear Mr. Marron:

The New Mexico Department of Game and Fish (Department) has reviewed this project. It appears that the entire project area is on the property of the Fort Wingate reservation. The Department has no jurisdiction or authority for the wildlife resources on Indian reservations or property.

We would recommend that you contact the Fort Wingate reservation regarding general wildlife issues they may have and the U.S. Fish and Wildlife Service regarding any threatened or endangered species issues they may have.

We appreciate the opportunity to provide input to your project. If you have any further questions, please call Bill Hays of my staff at 505-827-7882.

Sincerely,

*Tod W. Stevenson*

Tod W. Stevenson  
Conservation Services Division Chief

TWS/bh

cc: Field Supervisor (Ecological Services, USFWS)  
Scott Brown (Assistant Director, NMGF)  
Mark Watson (Habitat Specialist, NMGF)



marron associates, inc.

7809 fourth street nw  
albuquerque, new mexico 87107-6526  
tel: (505) 898-8848  
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e-mail marroninc@aol.com

August 21, 2000

20000200  
USFWS-NMESTO

Ms. Joy Nicholopoulos  
U.S. Fish and Wildlife Service  
Ecological Services Field Office  
2105 Osuna Road NE  
Albuquerque, NM 87113

Re: Fort Wingate Elementary Replacement School, Navajo Nation, Cibola County, New Mexico.

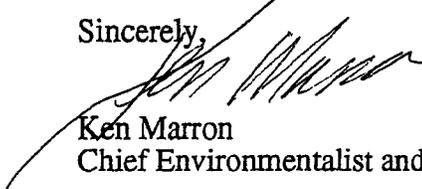
Dear Ms. Nicholopoulos:

The Bureau of Indian Affairs (BIA) in cooperation with the Navajo Nation, is proposing an elementary school at Fort Wingate in Cibola County, New Mexico. The elementary school will be a replacement for the Fort Wingate BIA School that will be closed upon completion of the new school. Enclosed is a map indicating the location of the project.

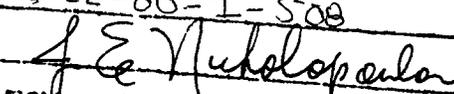
Marron and Associates, Inc. is preparing the environmental documentation for this project, which is expected to comply with the National Environmental Policy Act, the BIA NEPA Handbook, and the Navajo Nation's regulations and other related regulations. The environmental level of effort expected is an environmental assessment (EA). We request your evaluation of the proposed project effects to determine the potential to affect resources or issues of concern to your agency. We also appreciate any pertinent information that you could share with us regarding the affected environment.

If you have any questions about the project, please contact me at (505) 898-8848. We appreciate your cooperation.

Sincerely,

  
Ken Marron  
Chief Environmentalist and Planner

Enclosure

<b>NO EFFECT FINDING</b>	
The described action will have no effect on listed species, wetlands, or other important wildlife resources.	
Date	11/2/2000
Consultation #	2-22-00-I-508
Approved by	
U.S. FISH and WILDLIFE SERVICE NEW MEXICO ECOLOGICAL SERVICES FIELD OFFICE ALBUQUERQUE, NEW MEXICO	



# THE NAVAJO NATION

ARCHAEOLOGY DEPARTMENT

P.O. Box 689

WINDOW ROCK, AZ 86515 ♦ PHONE: (520) 871-6540 ♦ FAX (520) 871-6511

---

KELSEY A. BEGAYE  
PRESIDENT

TAYLOR McKENZIE, MD  
VICE PRESIDENT

June 12, 2000

Ken Marron  
Marron Associates  
7809 Fourth Street NW  
Albuquerque, NM 87107-6526

Re: Cost Proposal for Ft. Wingate Inventory

Dear Mr. Marron:

You asked for a cost proposal for a Class III cultural resources inventory of a 100 acre parcel and a Class I record search of two nearby parcels of 100 acres each, at Ft. Wingate.

Our total costs for this effort, including a summary of the results of the Class I records search of tribal and state files, and the preparation of a final technical report on the Class III inventory, is **\$6,840.00**.

If you have any questions or concerns regarding this cost proposal, please call me.

Sincerely,

A handwritten signature in black ink, appearing to be "AK", written over a white background.

Anthony L. Klesert, Ph.D.  
Director, NNAD



marron  associates, inc.

---

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albuquerque, new mexico 87107-6526  
tel: (505) 898-8848  
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e-mail marroninc@aol.com

August 21, 2000

Mr. Jeff Cole  
Navajo Fish and Wildlife Department  
P.O. Box 1480  
Window Rock, Arizona 86515-0689

RE: Fort Wingate Elementary Replacement School

Dear Mr. Cole:

Marron and Associates, Inc. (MAI) is requesting clearance from the Navajo Fish and Wildlife Department to conduct a biological and threatened, endangered, and sensitive species Survey on approximately 60 acres located in the vicinity of Fort Wingate, New Mexico. The site is for the replacement of the existing elementary school by the Bureau of Indian Affairs and the Navajo Nation.

The survey is for an environmental assessment (EA). No collecting or banding will be necessary. This survey will be conducted as per Navajo Fish and Wildlife Department Biological Evaluation Guidelines.

The persons conducting the surveys are: Paul Knight; Nancy and Steven Cox; and Phil Tonne. Attached are the resumes of Nancy and Steven Cox. You should have the resumes of Paul Knight and Phil Tonne on file.

If you have any questions about the project, please contact me at 898-8848. We appreciate your cooperation.

Sincerely,



Ken Marron  
Chief Environmentalist and Planner

enc: topographic map with general location  
resumes  
*Application*



marron  associates, inc.

---

7809 fourth street nw  
albuquerque, new mexico 87107-6526  
tel: (505) 898-8848  
fax: (505) 897-7847  
e-mail marroninc@aol.com

August 21, 2000

Ms. Sandra Maes  
NMED Surface Water Quality Bureau  
1190 St. Francis Drive  
Santa Fe, NM 87503

Re: Fort Wingate Elementary Replacement School, Navajo Nation, Cibola County, New Mexico.

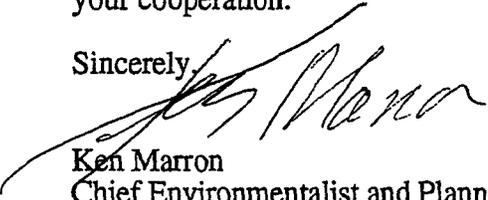
Dear Ms. Maes:

The Bureau of Indian Affairs (BIA) in cooperation with the Navajo Nation, is proposing an elementary school at Fort Wingate in Cibola County, New Mexico. The elementary school will be a replacement for the Fort Wingate BIA School that will be closed upon completion of the new school. Enclosed is a map indicating the location of the project.

Marron and Associates, Inc. is preparing the environmental documentation for this project, which is expected to comply with the National Environmental Policy Act, the BIA NEPA Handbook, and the Navajo Nation's regulations and other related regulations. The environmental level of effort expected is an environmental assessment (EA). We request your evaluation of the proposed project effects to determine the potential to affect resources or issues of concern to your agency. We also appreciate any pertinent information that you could share with us regarding the affected environment.

If you have any questions about the project, please contact me at (505) 898-8848. We appreciate your cooperation.

Sincerely,

  
Ken Marron  
Chief Environmentalist and Planner

Enclosure



marron  associates, inc.

---

7809 fourth street nw  
albuquerque, new mexico 87107-6526  
tel: (505) 898-8848  
fax: (505) 897-7847  
e-mail marroninc@aol.com

August 21, 2000

Ms. Karen Lightfoot  
New Mexico Energy, Minerals, and Natural Resources Department  
Forestry and Resources Conservation Division  
Villagra Building  
P.O. Box 1948  
Santa Fe, NM 87504

Re: Fort Wingate Elementary Replacement School, Navajo Nation, Cibola County, New Mexico.

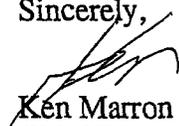
Dear Ms. Lightfoot:

The Bureau of Indian Affairs (BIA) in cooperation with the Navajo Nation, is proposing an elementary school at Fort Wingate in Cibola County, New Mexico. The elementary school will be a replacement for the Fort Wingate BIA School that will be closed upon completion of the new school. Enclosed is a map indicating the location of the project.

Marron and Associates, Inc. is preparing the environmental documentation for this project, which is expected to comply with the National Environmental Policy Act, the BIA NEPA Handbook, and the Navajo Nation's regulations and other related regulations. The environmental level of effort expected is an environmental assessment (EA). We request your evaluation of the proposed project effects to determine the potential to affect resources or issues of concern to your agency. We also appreciate any pertinent information that you could share with us regarding the affected environment.

If you have any questions about the project, please contact me at (505) 898-8848. We appreciate your cooperation.

Sincerely,

  
Ken Marron  
Chief Environmentalist and Planner

Enclosure

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**APPENDIX B**

**MCKINLEY COUNTY FEDERAL AND NAVAJO  
THREATENED, ENDANGERED, AND SENSITIVE SPECIES LIST**

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**McKinley County**  
**Federal and Navajo Listed Species**

Common Name	Scientific Name	STATUS	
		Federal	Navajo
<b>Amphibians</b>			
Western Chorus Frog	<i>Pseudacris triseriata</i>		Candidate
Northern Leopard Frog	<i>Rana pipiens</i>		Threatened
<b>Birds</b>			
Northern Goshawk	<i>Accipiter gentilis</i>		Candidate
Golden Eagle	<i>Aquila chrysaetos canadensis</i>		Threatened
Ferruginous Hawk	<i>Buteo regalis</i>		Threatened
Belted Kingfisher	<i>Ceryle alcyon</i>		Candidate
Mountain Plover	<i>Charadrius montanus</i>	Threatened	Candidate
Yellow-billed Cuckoo	<i>Coccyzus americanus occidentalis</i>		Candidate
Band-tailed Pigeon	<i>Columba fasciata fasciata</i>		Candidate
Yellow Warbler	<i>Dendroica petechia</i>		Candidate
Southwestern Flycatcher Willow	<i>Empidonax traillii extimus</i>	Endangered	Endangered
American Peregrine Falcon	<i>Falco peregrinus anatum</i>		Threatened
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Threatened	Threatened
Sora	<i>Porzana carolina</i>		Candidate
Mexican Spotted Owl	<i>Strix occidentalis lucida</i>	Threatened	Threatened
Tree Swallow	<i>Tachycineta bicolor</i>		Candidate
<b>Fish</b>			
Zuni Bluehead Sucker	<i>Catostomus discobolus yarrowi</i>	Species of Concern	
<b>Mammals</b>			
Pronghorn	<i>Anilocapra americana americana</i>		Threatened
Navajo Mogollon Vole	<i>Microtus mogollonensis navaho</i>	Species of Concern	Candidate
Western Small-footed Myotis Bat	<i>Myotis ciliolabrum melanorhinus</i>	Species of Concern	
Long-eared Myotis Bat	<i>Myotis evotis evotis</i>	Species of Concern	
Occult Little Brown Myotis Bat	<i>Myotis lucifugus occultus</i>	Species of Concern	Candidate
Fringed Myotis Bat	<i>Myotis thysanodes thsanodes</i>	Species of Concern	
Long-legged Myotis Bat	<i>Myotis volans interior</i>	Species of Concern	
<b>Reptiles</b>			
Northern Sagebrush Lizard	<i>Sceloporus graciosus graciosus</i>	Species of Concern	
<b>Plants</b>			
Naturita Milkvetch	<i>Astragalus naturitensis</i>		Candidate
Acoma Fleabane	<i>Erigeron acomanus</i>	Species of Concern	Threatened
Zuni Fleabane	<i>Erigeron rhizomatus</i>	Threatened	Candidate
Sivinski's Fleabane	<i>Erigeron sivinski</i>	Species of Concern	Candidate
Parish' s Alkali Grass	<i>Puccinellia parishu</i>	Species of Concern	Endangered

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**APPENDIX C**

**SITE IDENTIFIED SPECIES**

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## Fort Wingate Field Identified Species List

Scientific Name	Common Name	
<b>Plants</b>		
<i>Amaranthus hybridus</i>	Pigweed	
<i>Artemisia frigida</i>	Fringed Sage	
<i>Artemisia tridentata</i>	Big Sagebrush	
<i>Atriplex canescens</i>	Fourwing Saltbush	
<i>Bouteloua gracilis</i>	Blue Grama	
<i>Carduus nutans</i>	Nodding Plumeless Thistle	
<i>Chaetopappa ericoides</i>	Rose Heath	
<i>Convolvulus arvensis</i>	Field Bindweed	
<i>Eriogonum</i> sp.	Buckwheat	
<i>Erodium cicutarium</i>	Redstem Stork's Bill	
<i>Grindelia</i> sp.	Gumweed	
<i>Gutierrezia microcephala</i>	Snakeweed	
<i>Heliomeris multiflora</i>	Viguiera, Showy Golden-eye	
<i>Kochia scoparia</i>	Summer Cypress	
<i>Krascheninnikovia lanata</i>	Winterfat	
<i>Lactuca serriola</i>	Wild Lettuce	
<i>Linum lewisii</i>	Flax	
<i>Lycium pallidum</i>	Pale Wolfberry	
<i>Mirabilis multiflora</i>	Colorado Four O'clock	
<i>Opuntia</i> sp.	Prickly-pear Cactus	
<i>Oryzopsis hymenoides</i>	Indian Ricegrass	
<i>Physalis</i> sp.	Groundcherry	
<i>Pleuraphis jamesii</i>	Galleta	
<i>Portulaca oleracea</i>	Purslane	
<i>Sphaeralcea</i> sp.	Globe Mallow	
<i>Verbesina enceloides</i>	Golden Crown beard	
<i>Yucca baccata</i>	Banana Yucca	
<b>Animals</b>		
<i>Cnemidophorus velox</i>	Plateau Striped Whiptail	
<i>Lepus californicus</i>	Blacktail Jackrabbit	
<i>Odocoileus hemionus</i>	Mule Deer	tracks observed
<i>Peromyscus maniculatus</i>	Deer Mouse	burrows observed
<i>Sylvilagus auduboni</i>	Desert Cottontail	
<b>Birds</b>		
<i>Aphelocoma californica</i>	Western Scrub Jay	
<i>Baeolophus ridgwayi</i>	Juniper Titmouse	
<i>Buteo jamaicensis</i>	Red-tailed Hawk	
<i>Catharus gutatus</i>	Hermit Thrush	
<i>Colaptes auratus</i>	Red-shafted Flicker	
<i>Corvus corax</i>	Common Raven	
<i>Gymnorhinus cyanocephalus</i>	Pinyon Jay	

*Hirundo rustica*  
*Oporornis tolmiei*  
*Pipilo chlorurus*  
*Pipilo maculatus*  
*Poecile gambeli*  
*Psaltriparus minimus*  
*Spizella passerina*  
*Wilsonia pusilla*

Barn Swallow  
MacGillivray's Warbler  
Green-tailed Towhee  
Spotted Towhee  
Mountain Chickadee  
Bushtit  
Chipping Sparrow  
Wilson's Warbler

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**APPENDIX D**

**CULTURAL RESOURCES REPORT**

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**NAVAJO NATION HISTORIC PRESERVATION DEPARTMENT**  
**Facilities Management Program**  
**ARCHAEOLOGICAL INVENTORY REPORT DOCUMENTATION PAGE (HPD JAN./91)**

1. HPD REPORT NO.	2. (FOR HPD USE ONLY)	3. RECIPIENTS ACCESSION NO.
4. <b>TITLE OF REPORT:</b> An Archaeological Survey for the Proposed Construction of the New Fort Wingate Elementary School located within the Fort Wingate Community, Fort Wingate, McKinley County, New Mexico		5. <b>FIELDWORK:</b> March 17-20, 2001 & May 17 thru June 7, 2001
AUTHOR(s): Dennis Yazzie, Tamara Billie		6. <b>REPORT DATE:</b> May 31, 2001
7. <b>CONSULTANT NAME AND ADDRESS:</b> Gen'l Charge: Alan S. Downer, Director Attn: Dwayne Waseta, Acting Prog. Manager, Fac-Man Org. Name: Navajo Nation Historic Preservation Org. Address: P.O. Box 4950 Window Rock, AZ. 86515 Phone: 928.871.7136		8. <b>PERMIT NO.</b> NTC
		9. <b>CONSULTANT REPORT NO.</b> 51/AR/2000
10. <b>SPONSOR NAME AND ADDRESS:</b> Ind. Responsible: Geraldine Arviso Org. Name: Bureau of Indian Affairs, Navajo Regional Facility Management Org. Address: P.O. Box 1060 Gallup, New Mexico 87305 Phone: 505.863.8425		11. <b>SPONSOR PROJECT NO.</b> 51/AR/2000
		12. <b>AREA OF AFFECT:</b> 100.00 acres <b>AREA SURVEYED:</b> 100.00 acres
13. <b>LOCATION (MAP ATTACHED):</b>		
a. <b>Chapter:</b> Iyanbito Chapter	f. <b>UTM Center:</b> Zone 12	
b. <b>Agency:</b> Eastern	(A) 3927360N, 7323200W; (B) 3928000N, 723220W	
c. <b>County:</b> McKinley	(C) 3927980N, 7237400W; (D) 3927360N, 723800W	
d. <b>State:</b> New Mexico	g. <b>Area:</b> T14N, R16W, Section: unplatted	
e. <b>Land Status:</b> Administration Reserve	h. <b>7.5' Map Name (s):</b> Fort Wingate, New Mexico	
14. <b>REPORT /X/ OR SUMMARY (REPORT ATTACHED) / / OR PRELIMINARY REPORT / /</b>		
a. <b>Description of Undertaking:</b>	See supplement sheet.	
b. <b>Existing Data Review:</b>	See supplement sheet.	
c. <b>Are Environmental &amp; Cultural Setting:</b>	See supplement sheet.	
d. <b>Field Methods:</b>	See supplement sheet.	
15. <b>CULTURAL RESOURCES FINDINGS:</b>		
a. <b>Location/Identification of Each Resource:</b>	See supplement sheet.	
b. <b>Evaluation of Significance of Each Resource (above):</b>	See supplement sheet.	
16. <b>MANAGEMENT SUMMARY (RECOMMENDATIONS):</b> See supplement sheet.		
17. <b>CERTIFICATION:</b>	<b>SIGNATURE:</b> <u>Tamara Billie</u>	<b>DATE:</b> <u>03/02/02</u>
<b>GENERAL CHARGE NAME:</b> Tamara Billie, Arch. Tech. I NNHPD-Facilities Management Program	<b>SIGNATURE:</b> <u>[Signature]</u>	<b>DATE:</b> <u>03/02/02</u>
<b>DIRECT CHARGE NAME:</b> Dwayne Waseta, Acting Program Manager, NNHPD, Facilities Management Prog.		

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MAY 31 2002

WELLER ARCHITECTS, PC

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MAY 30 2002

DIVISION OF PP&I  
OFMC

**a. Description of Undertaking:**

The proposed undertaking will involve the construction and development of a new elementary school campus along with the installation of associated facilities (water, sewer, and power). All ground disturbing activities will be both intensive and extensive by the use of heavy equipment of construction, operation and development of the new school area. The total area of potential effect for the new school area will total approximately 100.00 acres.

**b. Existing Data Review:**

A review of Navajo Nation Historic Preservation Department files indicate that there have been thirteen (13) previous projects within a one-kilometer radius of the current project.

82-356	An Archaeological Survey of the Fort Wingate High School, McKinley, Co., NM	None
83-071	An Archaeological Clearance Survey of 3 Acres at the Fort Wingate, NM	None
84-057	An Archaeological Clearance for FI&R Project Bldgs. 500, 501, and 502	None
86-282.1	A Cultural Resource Survey Preliminary to the Issuance of a Use Permit in Fort Wingate, NM	None
86-351	Archaeological Survey: Cibola National Forest Road 546 Easement: Fort Wingate, NM	5-New sites (LA#106306, LA#106307, LA#106308, LA#106309, LA#106310), 4-Previously recorded sites (LA#76040, LA#76041, AR-03.02.1378, AR-03-03-02-483)
86-351.1	Upgrading of the Fort Wingate Work Center Powerline, Previous and New Survey	5-New sites (LA#106306, LA#106307, LA#106308, LA#106309, LA#106310), 4-Previously recorded sites (LA#76040, LA#76041, AR-03.02.1378, AR-03-03-02-483)
90-160	Fort Wingate Sewer Lagoon Improvements	1-Site NM-Q-36-4

**Fort Wingate Historic District**

82-355	An Archaeological Survey of the Fort Wingate Elementary School, McKinley, Co., NM	None
86-122	Archaeological Monitoring for the FI&R Improvements at the Fort Wingate Elementary School	None
86-258	Archaeological Monitoring of Ground Disturbance Associated with the Relocation of 5 portable Classrooms at the Fort Wingate School	None
86-282	An Archaeological Survey of Proposed Drainage Improvements for BIA Facilities Management	Site NM-Q-36-1 (Fort Wingate Historic District)
88-018	Archaeological Monitoring for Improvement & Repair Fort Wingate Elementary, Phase III	None
89-119	Securing of Building #42 in Fort Wingate Elementary School	None

**c. Area Environmental & Cultural Setting:**

The proposed undertaking is situated at the foot of the north slope of the Zuni Mountains within the Fort Wingate Community, west of the current Fort Wingate Elementary School, and south of the Fort Wingate High School. The nearest major drainage is south of the Fork Rio Puerco Wash which is located approximately five miles to the north of the project area. There are two springs located within a one-mile radius of the project area, Bear Springs to the south and Santa Fe Springs located to the west of the southwest corner boundary. Elevation is approximately 6900 feet and the landscape is characterized mixed pinyon-juniper woodland area with open sage and grass range. Other vegetation consist of narrow leaf yucca, blue gramma grass, snakeweed, and other seasonal native plants. Cultural setting is characterized as schools, trailer parks, housing, churches, historic sites, and a military depot. Modern dump sites and recent trash scatters are found throughout the project area.

**d. Field Methods:**

On March 19-20, 2001, Dennis Yazzie and Tamara Billie conducted a class III archaeological survey for a proposed new school construction for the BIA Branch of Facility Management. The Cultural Resource investigation was conducted by using the class III pedestrian survey with transects spaced 10-12 meters apart until the entire 100 acres were covered.

**15. CULTURAL RESOURCES FINDINGS:**

**a. Location/Identification of Each Resource:**

Four new archaeological sites, three earth dams and modern trash dumps were discovered within the proposed new school tract with one traditional cultural property located outside of the undertaking area. Furthermore, two previously recorded archaeological sites NM-Q-36-2 and NM-Q-36-3 are located along the southern portion of the new school tract. A total of six archaeological sites were located and consist of mult-component Prehistoric PII to PIII Anasazi artifact scatters and rubble mounds. The three earth dams are located at the southeast portion of the proposed school tract and the TCP (Bear Spring) is located approximately ½ mile south of the undertaking location.

Site NM-Q-36-2 is a site that was recorded in 1987 (report BIA-NTM-86-351). It is described an Anasazi sherd and lithic scatter measuring 25 x 15 m. An updated site form is attached to this report. It appears that this site is in the same condition as when it was recorded in 1987.

Site NM-Q-36-3 is a site was also recorded in 1987 for the Cibola National Forest Road 546 Easement and Upgrading of the Fort Wingate Work Center Powerline (report BIA-NTM-86-351.1).

Site NM-Q-36-3 is a PII-PIII Anasazi rubble mound and late 19<sup>th</sup> and earth 20<sup>th</sup> century historic Euro-American trash scatter. It is encompasses about 100 x70 m. This site appears to have been disturbed immensely by the nearby two-track road. Historic trash still litters the area as well as the remains of the rubble mound. An updated site form is attached.

New Site NM-Q-36-5 is described as a PII-PIII Anasazi rubble mound located near the northwestern project boundary. This site is the largest of the four sites found during this survey. Just about over one hundred sherds were observed and counted ranging form Gallup Black-on-White, Wingate Black-on-Red, Cibola Whiteware, and corrugated.

New Site NM-Q-36-6 is a roomblock with associated sherd and lithic scatter located in the western portion of the project area. Over 100 sherds were observed and counted ranging from Black-on-White, Black-on-Red, White Ware, and Corrugated. Lithics observed were petwood flakes, and secondary tertiary flakes.

New Site NM-Q-36-7 is described as a PII-PIII Anasazi rubble mound and is located in the western corner of the project area. Over 100 sherds ranging from Black-on-White, Corrugated, Grayware, Whiteware, and about 20 petwood flakes were observed and counted. This site has potential to have subsurface structures and features.

New Site NM-Q-36-8 is a sherd scatter with an associated feature. The feature appears to be a rubble mound measuring 15 m diameter. Over 100 sherds were counted and the identifiable sherds is the Red Mesa Black-on-White, corrugated, and some grayware. It is located on the western boundary of the project area.

New Site NM-Q-36-9 consists of three earthen dams located at the southeastern portion of the project area. The dams measure approximately 50 meters by 30 meters in diameter with the retaining wall of each dam running east to west. Each of the three dams have wooden canals which are located at the center of the dam. The dams are similar in construction to the type dams built by the Civil Conservation Corps (CCC) of the late 1930's or early 1940's.

TCP(Bear Spring) is a traditional Navajo offering and mineral source site and is located approximately ¼ mile south of the proposed undertaking location.

The In-Use Sites(IUS) consist of two Modern trash dump sites, one is located within an arroyo the other on the surface area. The two IUS are located at the southwest corner of the proposed new school campus. The dump sites consist of bottles, tin cans, old car parts, and other household items.

**b. Evaluation of Significance of Each Resource (above):**

Archaeological sites NM-Q-36-2 and NM-Q-36-3 retain their original survey integrity and are still considered to be significant under criterion "d" and are eligible for inclusion on the National Register of Historic Places. Furthermore, they are more than 100 years of age and are of archaeological interest and merit protection under the Archaeological Resources Protection Act (ARPA). Archaeological Sites NM-Q-36-5, NM-Q-36-6, NM-Q-36-7, and NM-Q-36-8 appear to have potential to yield information important in prehistory of the local area under criterion "d" of 36 CFR 60.4. The sites also appear to possess the qualities of physical integrity that would allow them to meet criterion "d". They also appear to be eligible for the National Register of Historic Places. The sites are over 100 years old and should be considered an "archaeological resource" and of "archaeological interest" pursuant to ARPA 43 CFR 7.3.

The archaeological sites may also merit consideration under the American Indian Religious Freedom Act (AIRFA) since it is known that traditional Navajo Practitioners may utilize items associated with the archaeological sites for religious activities.

The late 19<sup>th</sup> century historic Euro-American trash scatter found at site NM-Q-36-3 does meet the 50 year age guideline for inclusion on the National Register of Historic Places. Furthermore, it does not meet the 100 year age requirement for protection under (ARPA) Archaeological Resource Protection Act.

Site NM-Q-36-9 does have integrity and appears to meet the 50 year age guideline for inclusion on the National Register of Historic Places. Furthermore, they do not meet the 100 year age requirement for protection under (ARPA) Archaeological Resource Protection Act.

The modern dump sites encountered during the survey are not Register eligible under the National Historic Preservation Act (NHPA), because they do not meet the 50 year guideline and criteria for NHPA. Furthermore, the In-Use-Sites are not protected by the Archaeological Resource Protection Act (ARPA) since they are less than 100 years old.

Traditional Cultural Property (Bear Spring) does merit consideration under the American Indian Religious Freedom Act (AIRFA) since its known that traditional Navajo Practitioners utilize items associated with the traditional cultural property site. The site also meets the 50 year age guideline for inclusion on the National Register of Historic Places. Furthermore, the TCP does meet the 100 year age requirement for protection under the Archaeological Resource Protection Act (ARPA).

**16. MANAGEMENT SUMMARY (RECOMMENDATIONS):**

Archaeological sites discovered during the inventory are of archaeological interest and if sites cannot be avoided during the planning and construction of the new school facilities, it is recommended that a nature and extent testing plan be developed and implemented to determine any prehistoric sub-surface cultural significant deposits. Furthermore, historic sites also can't be avoided will require a mitigation plan to lessen the effect of the undertaking. A mitigation plan will consist of a Historic American Building Survey (HABS) document.

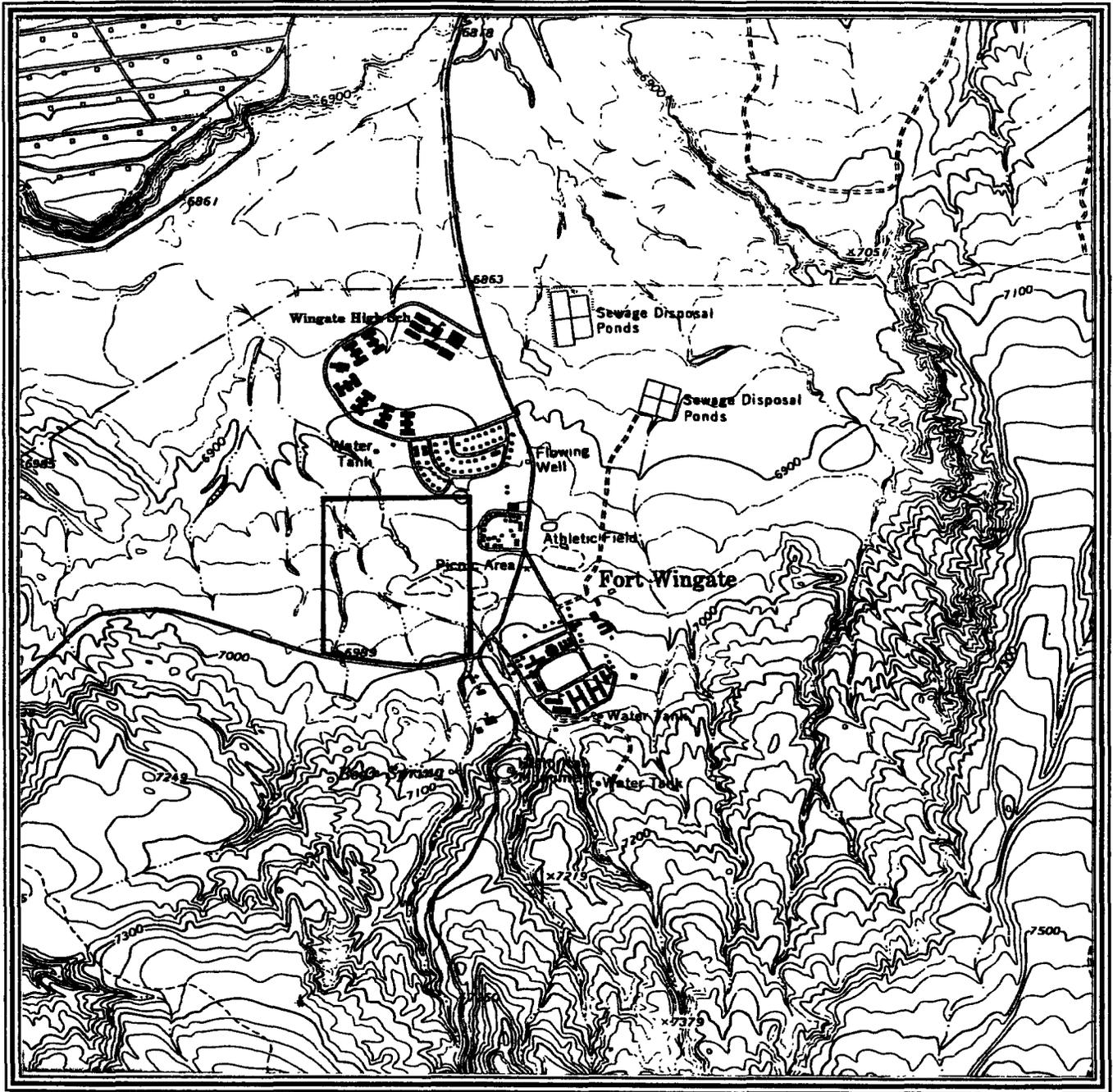


Figure 1. Project Location:

Fort Wingate & 5' Quad. Map

A Cultural Resource Inventory for the Proposed  
 Construction of the New Wingate Elementary School  
 located in the Wingate Community, Wingate, McKinley County, New Mexico.

Consultant Report No.  
 BIA-051/AR/2000



Figure 2. Previously Recorded Sites :

Fort Wingate & 5' Quad. Map

A Cultural Resource Inventory for the Proposed Construction of the New Wingate Elementary School located in the Wingate Community, Wingate, McKinley County, New Mexico.

Consultant Report No.  
BIA-051/AR/2000

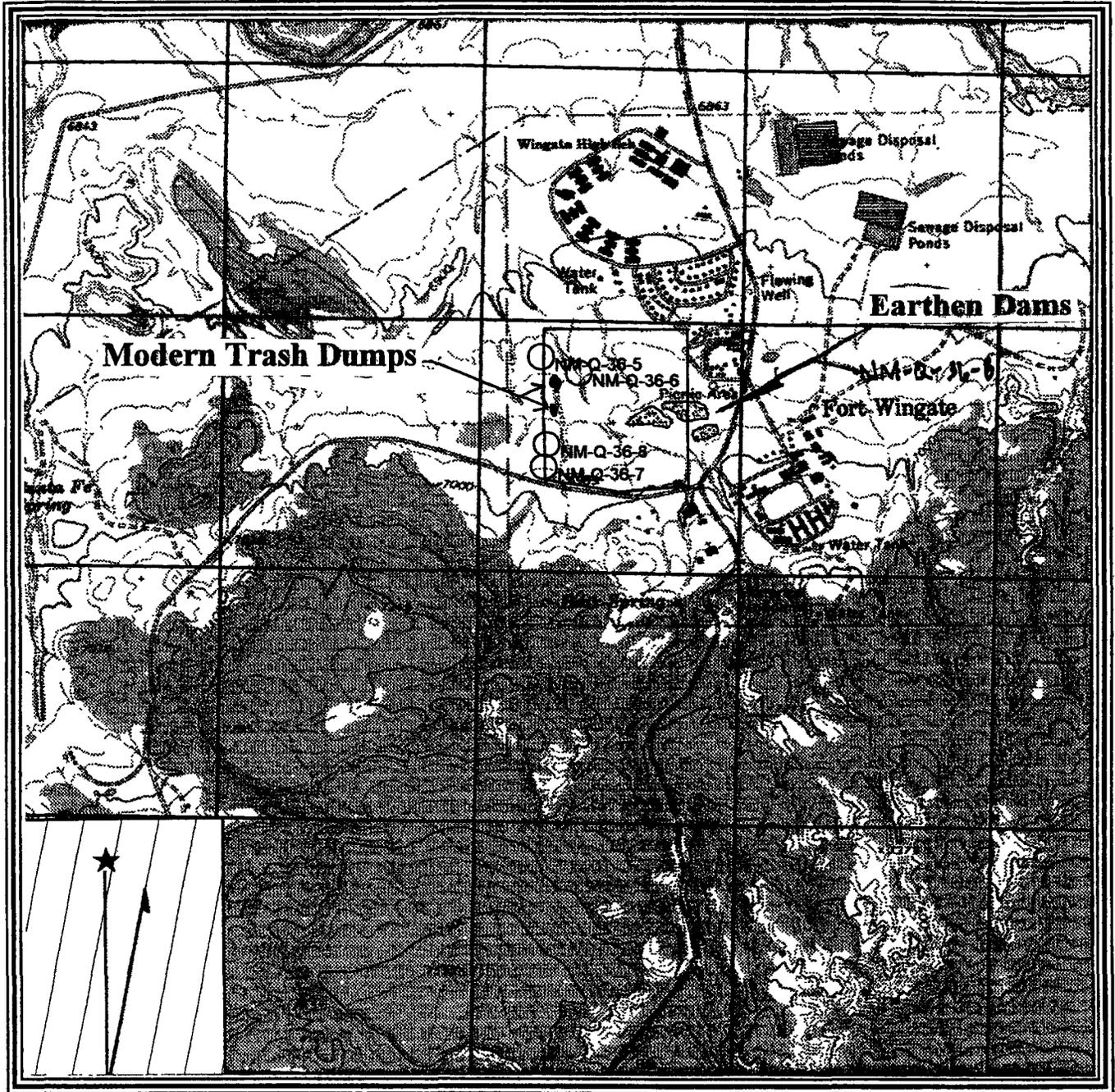


Figure 3. Existing

Recorded Sites :

Fort Wingate & 5' Quad. Map

A Cultural Resource Inventory for the Proposed  
 Construction of the New Wingate Elementary School  
 located in the Wingate Community, Wingate, McKinley County, New Mexico.

Consultant Report No.  
 BIA-051/AR/2000

THE NAVAJO NATION  
HISTORIC PRESERVATION DEPARTMENT  
Site Survey and Management Form

SITE NO.: NM-Q-36-5 DATE RECORDED: May 17, 2001

PROJECT NO. & NAME: An Archaeological Survey for the Proposed Construction of the New Wingate Elementary School located within the Wingate Community, Wingate, McKinley County, New Mexico.

ORGANIZATION: NNHPD ARCHAEOLOGIST(S): D. Yazzie, T. Billie

USGS MAP REFERENCE: Fort Wingate Quadrangle Map

LEGAL DESCRIPTION: T 14 N, R 16 W; Section: Unplatted

UTM COORDINATES (ZONE 12): 722266 E, 3927847 N

STATE: New Mexico COUNTY: McKinley CHAPTER: Iyanbito

LAND STATUS: Administrative Reserve

GROUND VISIBILITY: Kind and extend of cover? 75% of the site location is covered with sage brush and grasses.

TOPOGRAPHY: Flat land & drainages

DRAINAGE: Three small tributary dissects the site which all run north.

ELEVATION (FT/M): 6965 ft./2123 m SLOPE & DIRECTION: 1-2% N

SEDIMENT TYPE: Reddish Clay loam OTHER: None

VEGETATION PRESENT: Sage brush, Mule', snakeweed four-wing saltbush, rice grass, cholla cactus, Juniper, Pinyon, Russian Olive, Blue Grama, Wolf-berry, Cattail

CULTURAL AFFILIATION: Anasazi

SITE TYPE: Artifact scatter and Habitation Site

PERIOD(S) OF OCCUPATION (Date if known): PII - PIII

DIMENSIONS OF SITE (LxW): 60 x 80 m/4800 sq. m

ARCHITECTURE PRESENT?: Collapsed room block DESCRIBE: Rubble mound

ARTIFACT(S) OBSERVED/COUNTED: Over 100 sherds, Gallup Black-on-White, Wingate, Grey ware, Cibola Whiteware, corrugated, petwood flakes, secondary & tertiary flakes

COLLECTION MADE? NO OF WHAT?  METHOD:

PHOTOS?: N/A B/W: ROLL FRAME  COLOR: ROLL

SITE DESCRIPTION: There are three apparent Mult-component prehistoric architectural features on the site. Features one and two are adjacent to each other and consist of a midden/reduced rubble mounds measuring about 40x 30 m. Both features are characterized by a low pile of untrimmed sandstone slabs and blocks. Feature three lies south of feature one and measures about 10 x 10 m. Over one hundred pottery sherds were observed within the site boundary, which range from Gallup

Black-on-White, Wingate Black-on-Red, Grayware, Cibola Whiteware, Corrugated, a small number of petrified wooden flakes, secondary and tertiary flakes.

**CONDITION OF SITE:** Fair, Site is located between three small drainages and will be impacted in the near future by erosion with the integrity of the site changing.

**CAUSES OF DISTURBANCE:** Human activity, Natural erosion

**LOCATION OF SITE RELATIVE TO PROJECT AREA:** The site is located about 50 meters southeast of the northwest project corner boundary.

**EXTENT OF INVESTIGATION TO DATE:** The site has been recorded and mapped to document the site location.

**RESEARCH POTENTIAL:** Site yields scientific data

**RECOMMENDATIONS:** Site is of archaeological interest for subsistent settlement patterns. If the site cannot be avoided then an nature and extent testing plan will be required to determine any sub-surface cultural significant deposits.

**SITE ASSESSMENT UNDER 36 CFR 60.4 (NATIONAL REGISTER):**

**INTEGRITY:** YES  
**CRITERIA:** d  
**EXCLUSIONS:** None

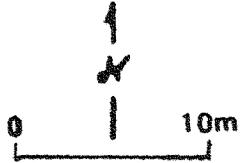
**SITE ASSESSMENT UNDER 43 CFR 7.3 (ARPA):** The site meets the age criteria which merit protection under ARPA.

**SITE ASSESSMENT UNDER AIRFA:** No  
**PROVIDE A SITE MAP (including site designation, north arrow, scale, recognizable features, landmarks and relationship to project area):**  
SEE ATTACHMENT

**HOW CAN THE SITE BE REACHED?** SEE ATTACHED USGS QUAD

**OTHER COMMENTS (ethnographic data, etc.)** The site contains historic trash such as discolored bottle glass (purple glass) and other modern trash located within the west drainage.

NM-Q-36-5



← Drainage

Sage

Sage

Sage

Feature # 2

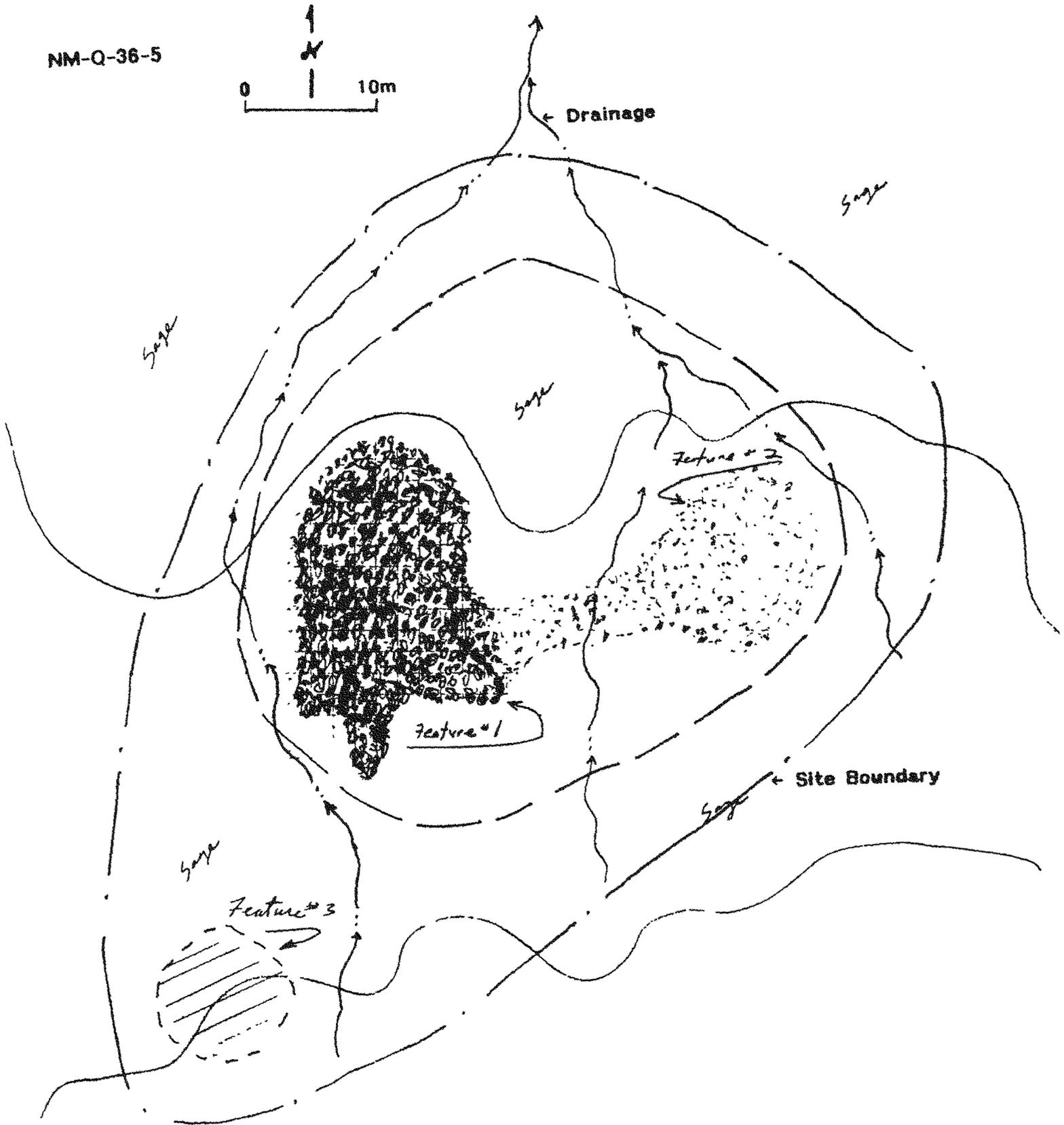
Feature # 1

← Site Boundary

Sage

Sage

Feature # 3



**THE NAVAJO NATION  
HISTORIC PRESERVATION DEPARTMENT  
Site Survey and Management Form**

SITE NO.: NM-Q-36-6 DATE RECORDED: May 17, 2001

PROJECT NO. & NAME: An Archaeological Survey for the Proposed Construction of the New Wingate Elementary School located within the Wingate Community, Wingate, McKinley County, New Mexico.

ORGANIZATION: NNHPD ARCHAEOLOGIST(S): D. Yazzie, T. Billie

USGS MAP REFERENCE: Fort Wingate-NM

LEGAL DESCRIPTION: T 14 N, R 16 W; Section: Unplatted

UTM COORDINATES (ZONE 12): 722389 E, 3927793 N

STATE: New Mexico COUNTY: McKinley CHAPTER: Iyanbito

LAND STATUS: Administrative Reserve

GROUND VISIBILITY: Kind and extend of cover? 75% of site are is cover with vegetation.

TOPOGRAPHY: Flat land & drainages

DRAINAGE: Tributary to the to unnamed wash

ELEVATION (FT/M): 6955 ft./2120 m SLOPE & DIRECTION: 1 - 2% N

SEDIMENT TYPE: Reddish brown sandy loam OTHER: None

VEGETATION PRESENT: Sage brush, Mule', snakeweed four-wing saltbush, rice grass, cholla cactus, Juniper, Pinyon, Russian Olive, Blue Grama, Wolfberry, Cattail

CULTURAL AFFILIATION: Anasazi

SITE TYPE: Habitation (Room block) and Artifact Scatter

PERIOD(S) OF OCCUPATION (Date if known): PII - PIII

DIMENSIONS OF SITE (LxW): 40 x 30m 1200 sq. m.

ARCHITECTURE PRESENT?: Collapsed room block DESCRIBE: Rubble mound

ARTIFACT(S) OBSERVED/COUNTED: Over 100 sherds, Gallup Black-on-White, Wingate Black-on-Red, Grey ware, Cibola Whiteware, corrugated, petwood flakes, secondary & tertiary flakes, lithic's

COLLECTION MADE? NO OF WHAT?  METHOD:

PHOTOS?: N/A B/W: ROLL FRAME  COLOR: ROLL

**SITE DESCRIPTION:** This site consists of a 40 meter by 30 meter artifact scatter with a collapsed room-block measuring 18 x12m north-south. The irregularly shaped slabs is characterized by a low pile of untrimmed slabs and blocks. The mound is mixed in with vegetation and is about one meter high. There are no identifiable alignments. An unnamed tributary lies just east of the site. Approximately 100+ sherds are present ranging from Black-on-White, Black-on-Red, Gray-ware, Whiteware, Corrugated. Other artifacts consist of lithic's, petrified-wood flakes, chert, as well as secondary and tertiary flakes. Historic trash litters the surrounding site. The trash consists of historic porcelain ware and discolored bottle glass, rusted cans and ect.

**CONDITION OF SITE:** Fair, the site is located at the edge of a drainage and has the possibly of being damage by future drainage erosion.

**CAUSES OF DISTURBANCE:** Human activity, Natural erosion

**LOCATION OF SITE RELATIVE TO PROJECT AREA:** Near the central/western corner project boundary.

**EXTENT OF INVESTIGATION TO DATE:** The site has been recorded and mapped to document the site location.

**RESEARCH POTENTIAL:** Site yields scientific data

**RECOMMENDATIONS:** Site is of archaeological interest for subsistent settlement patterns. If the site cannot be avoided then an nature and extent testing plan will be required to determine any sub-surface cultural significant deposits.

**SITE ASSESSMENT UNDER 36 CFR 60.4 (NATIONAL REGISTER):**

**INTEGRITY:** Yes  
**CRITERIA:** d  
**EXCLUSIONS:** None

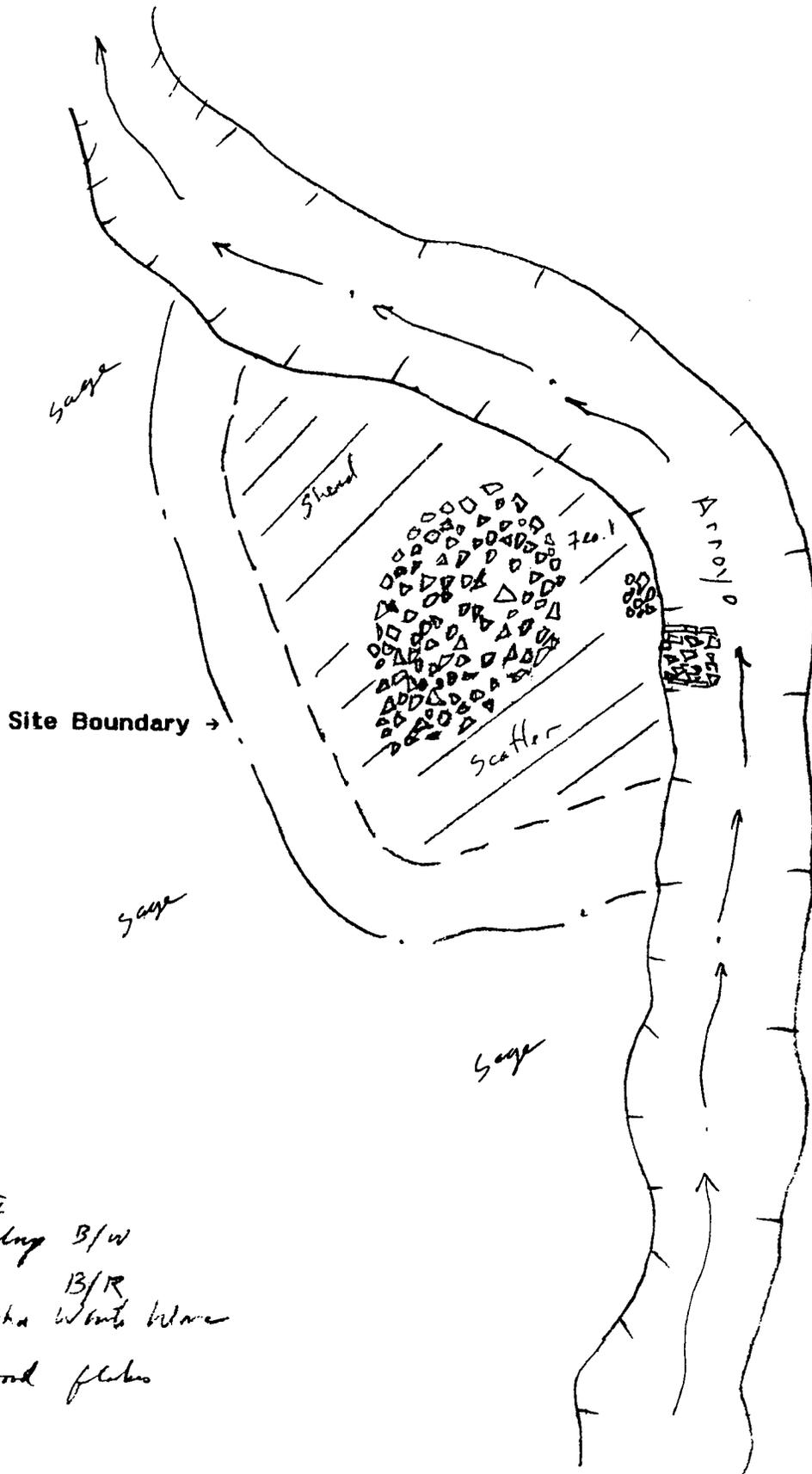
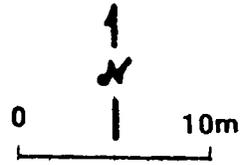
**SITE ASSESSMENT UNDER 43 CFR 7.3 (ARPA):** The site meets the age criteria which merit protection under ARPA.

**SITE ASSESSMENT UNDER AIRFA:** No

**PROVIDE A SITE MAP (including site designation, north arrow, scale, recognizable features, landmarks and relationship to project area):** SEE ATTACHMENT

**HOW CAN THE SITE BE REACHED?** SEE ATTACHED USGS QUAD

**OTHER COMMENTS (ethnographic data, etc.)** The site contains historic trash such as discolored bottle glass (purple glass) and unidentifiable rusted cans. An erosion control rip-rap is located immediately east of the site, and the stones that were used to build the rip-rap were probably from the collapsed room-block



Note  
galling B/W  
B/R  
Chuska Warts Wane  
P. wood flukes

THE NAVAJO NATION  
HISTORIC PRESERVATION DEPARTMENT  
Site Survey and Management Form

SITE NO.: NM-Q-36-7 DATE RECORDED: June 05, 2001

PROJECT NO. & NAME: An Archaeological Survey of the Proposed Construction of the New Wingate Elementary School located within the Wingate Community School, Wingate, McKinley County, New Mexico.

ORGANIZATION: NNHPD ARCHAEOLOGIST(S): D. Yazzie, T. Billie

USGS MAP REFERENCE: Fort Wingate Quadrangle

LEGAL DESCRIPTION: T 14 N, R 16 W; Section: Unplatted

UTM COORDINATES (ZONE 12): 722249 E, 3927519 N

STATE: New Mexico COUNTY: McKinley CHAPTER: Iyanbito

LAND STATUS: Navajo Tribal Trust

GROUND VISIBILITY: Kind and extend of cover? 75% of the site location is covered with juniper, pinyon trees and seasonal vegetation.

TOPOGRAPHY: Flat land and rolling hills.

DRAINAGE: Tributary to east approximately 15 m

ELEVATION (FT/M): 6949 ft/2118 m SLOPE & DIRECTION: 1 - 2% N

SEDIMENT TYPE: Reddish brown sandy loam OTHER: None

VEGETATION PRESENT: Sage, Mule', snakeweed four-wing saltbush, rice grass, cholla cactus, Juniper, Pinyon, Russian Olive

CULTURAL AFFILIATION: Anasazi

SITE TYPE: Habitation w/room block & Mult-Component Sherd Scatter

PERIOD(S) OF OCCUPATION (Date if known): PII - PIII

DIMENSIONS OF SITE (LxW): 35 x 35m or 1225 sq. m

ARCHITECTURE PRESENT?: Collapsed room block DESCRIBE: Rubble mound 15m

ARTIFACT(S) OBSERVED/COUNTED: Over 100+ sherds, corrugated, Red Mesa Black-on-White and Chaco white-ware.

COLLECTION MADE? NO OF WHAT? \_\_\_\_\_ METHOD: \_\_\_\_\_

PHOTOS?: \_\_\_\_\_ B/W: ROLL \_\_\_\_\_ FRAME \_\_\_\_\_ COLOR: ROLL \_\_\_\_\_

SITE DESCRIPTION: This site is located at top of a hill and consists of a 35 meter by 35 meter sherd scatter with collapsed room-block measuring approximately 15m x 15 m, which is located at the center of the site boundary. It is characterized as an Anasazi PII-PIII rubble mound and sherd scatter. A portion of wall alignment is visible on the feature which is located on the east site and measures about 2m east to west. About 100 sherds (+) were observed and counted ranging from corrugated, chaco whiteware and Red Mesa Black-on-White. A tributary lies to the east about 15 m.

**CONDITION OF SITE:** Fair, the site is located at the top of a hill and has been impacted by human activity such dumping and four wheeling.

**CAUSES OF DISTURBANCE:** Human activity, Natural erosion

**LOCATION OF SITE RELATIVE TO PROJECT AREA:** The site is located at the southwest corner project boundary at top of a hill.

**EXTENT OF INVESTIGATION TO DATE:** The site has been recorded and mapped to document site location.

**RESEARCH POTENTIAL:** Site may yield future scientific data on prehistoric settlements within the Wingate region.

**RECOMMENDATIONS:** Site is of archaeological interest for subsistent settlement patterns. If the site cannot be avoided then an nature and extent testing plan will be required to determine any sub-surface cultural significant deposits.

**SITE ASSESSMENT UNDER 36 CFR 60.4 (NATIONAL REGISTER):**

<b>INTEGRITY:</b>	<u>YES</u>
<b>CRITERIA:</b>	<u>d</u>
<b>EXCLUSIONS:</b>	<u>None</u>

**SITE ASSESSMENT UNDER 43 CFR 7.3 (ARPA):** The site meets the age criteria which merit protection under ARPA.

**SITE ASSESSMENT UNDER AIRFA:** No

**PROVIDE A SITE MAP (including site designation, north arrow, scale, recognizable features, landmarks and relationship to project area):** SEE ATTACHMENT

**HOW CAN THE SITE BE REACHED?** SEE ATTACHED USGS QUAD

**OTHER COMMENTS (ethnographic data, etc.)** \_\_\_\_\_



THE NAVAJO NATION  
HISTORIC PRESERVATION DEPARTMENT  
Site Survey and Management Form

SITE NO.: NM-Q-36-8 DATE RECORDED: June 05, 2001

PROJECT NO. & NAME: An Archaeological Survey for the Proposed Construction of the New Wingate Elementary School located within the Wingate Community, Wingate, McKinley County, New Mexico.

ORGANIZATION: NNHPD ARCHAEOLOGIST(S): D. Yazzie, T. Billie

USGS MAP REFERENCE: Fort Wingate-NM

LEGAL DESCRIPTION: T 14 N, R 16 W; Section: Unplatted

UTM COORDINATES (ZONE 12): 722393 E, 3927442 N

STATE: New Mexico COUNTY: McKinley CHAPTER: Iyanbito

LAND STATUS: Administrative Reserve

GROUND VISIBILITY: Kind and extend of cover? 50% of the site location is covered with sage brush and grasses.

TOPOGRAPHY: Flat land & drainages

DRAINAGE: No drainage are located within the site boundary.

ELEVATION (FT/M): 6955 ft./2120 m SLOPE & DIRECTION: 1 - 2% N

SEDIMENT TYPE: Reddish Clay loam OTHER: None

VEGETATION PRESENT: Sage brush, Mule', snakeweed four-wing saltbush, rice grass, cholla cactus, Juniper, Pinyon, Russian Olive, Blue Grama, Wolfberry, Cattail

CULTURAL AFFILIATION: Anasazi

SITE TYPE: Multi-Component Habitation (Room block) and Artifact Scatter

PERIOD(S) OF OCCUPATION (Date if known): PII - PIII

DIMENSIONS OF SITE (LxW): 50 x 80m or 4000 sq. m.

ARCHITECTURE PRESENT?: Collapsed room block DESCRIBE: Rubble mound 10m

ARTIFACT(S) OBSERVED/COUNTED: Over 100 sherds, Corrugated, Red Mesa Black on White, Cibola Whiteware, corrugated, petrified woodenflakes,

COLLECTION MADE? NO OF WHAT?  METHOD:

PHOTOS?: N/A B/W: ROLL FRAME

COLOR: ROLL

**SITE DESCRIPTION:** The site consists of a 50 meter by 80 meter multi-component artifact scatter with a collapsed habitation room-block. The rubble concentration measures approximately 12 meters by 12 meters and the artifact scatter measuring 70 meters in dia. A two track road is located 4 meters east of the rubble concentration and has caused some damage to the east portion of the site. Artifact observed range from corrugated, Red Mesa Black on White, Cibola White ware and petrified wooden flakes.

**CONDITION OF SITE:** Fair, the site has been impacted by human activities such as dumping and a two track road.

**CAUSES OF DISTURBANCE:** Human activity, Natural erosion

**LOCATION OF SITE RELATIVE TO PROJECT AREA:** The site is near the western project boundary.

**EXTENT OF INVESTIGATION TO DATE:** The site has been recorded and mapped to document site location.

**RESEARCH POTENTIAL:** Site yields scientific data

**RECOMMENDATIONS:** Site is of archaeological interest for subsistent settlement patterns. If the site cannot be avoided then an nature and extent testing plan will be required to determine any sub-surface cultural significant deposits.

**SITE ASSESSMENT UNDER 36 CFR 60.4 (NATIONAL REGISTER):**

**INTEGRITY:** Yes  
**CRITERIA:** d  
**EXCLUSIONS:** None

**SITE ASSESSMENT UNDER 43 CFR 7.3 (ARPA):** The site meets the age criteria which merit protection under ARPA.

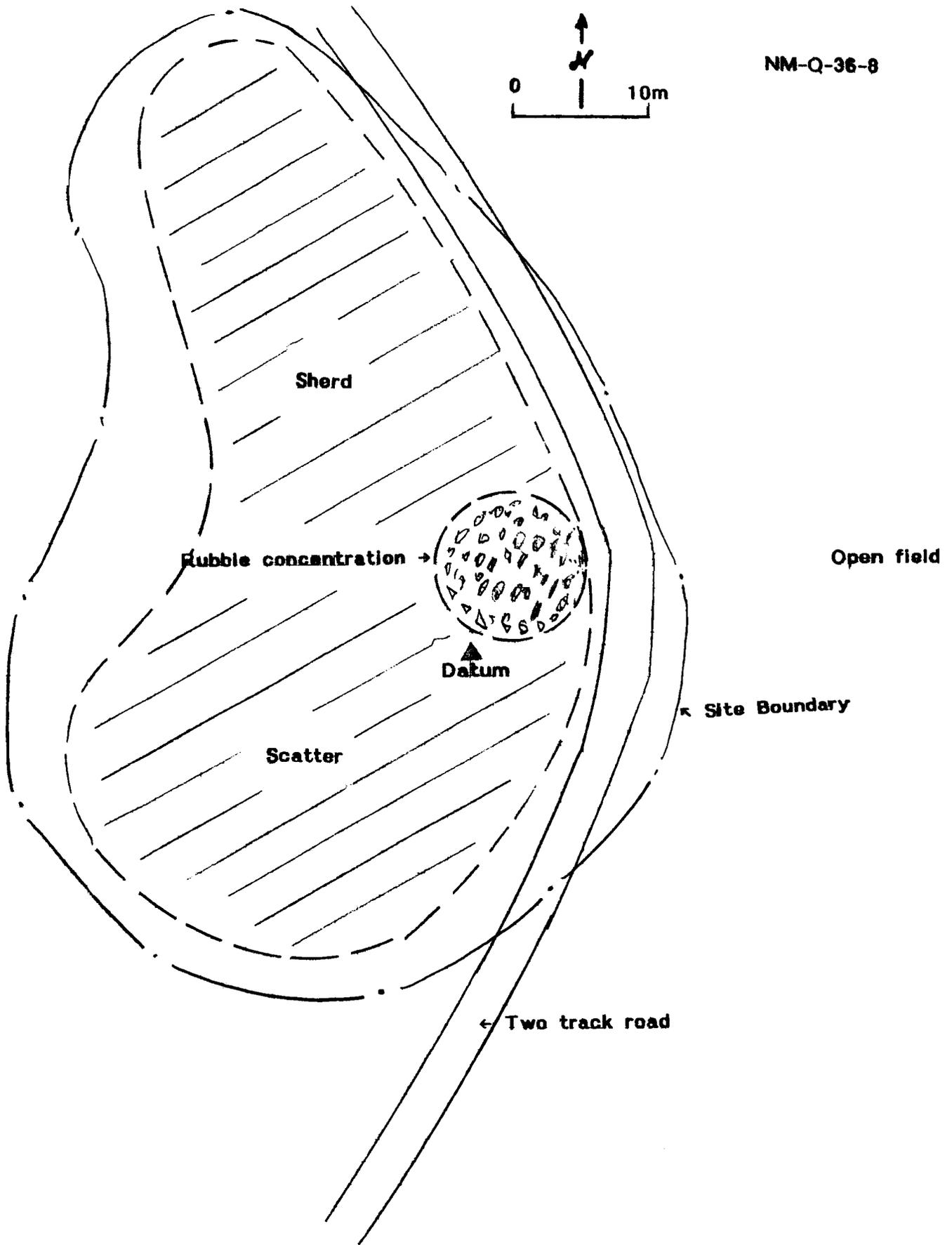
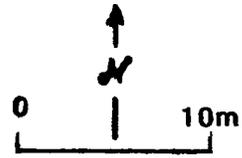
**SITE ASSESSMENT UNDER AIRFA:** No

**PROVIDE A SITE MAP (including site designation, north arrow, scale, recognizable features, landmarks and relationship to project area):** SEE ATTACHMENT

**HOW CAN THE SITE BE REACHED?** SEE ATTACHED USGS QUAD

**OTHER COMMENTS (ethnographic data, etc.)** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NM-Q-36-8



UPDATE OF Site NM-Q-36-2

THE NAVAJO NATION  
HISTORIC PRESERVATION DEPARTMENT  
Site Survey and Management Form

SITE NO.: NM-Q-36-2 DATE RECORDED: May 17, 2001

ORIGINAL PROJECT No. NNCRMP-86-342

PROJECT NO. & NAME: Proposed Construction of the New Fort Wingate Elementary School located within the Fort Wingate Community

ORGANIZATION: NNHPD ARCHAEOLOGIST(S): D. Yazzie, T. Billie

USGS MAP REFERENCE: Fort Wingate

LEGAL DESCRIPTION: Section 5, T 12 N, R 16 W  
UTM COORDINATES (ZONE 12): 722260 E, 3827370 N

STATE: New Mexico COUNTY: McKinley CHAPTER: Iyanbito

LAND STATUS: Navajo Tribal Trust

GROUND VISIBILITY: Kind and extend of cover? 75% vegetation coverage  
TOPOGRAPHY: Located on the east side of a low south to trending ridge.

DRAINAGE: An unnamed drainage is located about 40 meters from the site boundary.

ELEVATION (FT/M): 6990ft./2130m SLOPE & DIRECTION: 1-2 degrees North

SEDIMENT TYPE: Clay loam mix with gravelly sandy alluvium materials.

OTHER: None

VEGETATION PRESENT: Sage, Mule', snakeweed four-wing saltbush, rice grass, cholla cactus, Juniper, Pinyon, Russian Olive, Daisies

CULTURAL AFFILIATION: Anasazi

SITE TYPE: Sherd and Lithic Scatter

PERIOD(S) OF OCCUPATION (Date if known): PII - PIII

DIMENSIONS OF SITE (LxW): 25 X 15m

ARCHITECTURE PRESENT?: None DESCRIBE: None

ARTIFACT(S) OBSERVED/COUNTED: Over 250-500 sherds, Gallup Black-on-White, Wingate Black-on-red, Cibola Whiteware, corrugated. Lithic artifacts are limited to some chert and chalcedony flakes.

COLLECTION MADE? NO OF WHAT? N/A METHOD: N/A

**UPDATE OF Site NM-Q-36-2**

**PHOTOS?:** N/A **B/W:** ROLL N/A **FRAME** N/A **COLOR:** ROLL N/A

**SITE DESCRIPTION:** This site is consists of a concentration of sherds identified as Black-on-Red, Gallup Black-on-White, corrugated, and Cibola Whiteware and some lithic artifacts. The Site looks as it did when it was first recorded. The sandstone slab and smaller rock fragments are still present. A concentration of wolfberries are still situated adjacent to the site.

**CONDITION OF SITE:** Fair/Good, Vegetation within the site bounday has increased.

**CAUSES OF DISTURBANCE:** Human activity, Natural erosion

**LOCATION OF SITE RELATIVE TO PROJECT AREA:** Near the southwest project boundary

**EXTENT OF INVESTIGATION TO DATE:** This particular recording/mapping and a previous survey for a power line upgrade (BIA-NTM-86-351 and NTM-86-351.1)

**RESEARCH POTENTIAL:** Site yields scientific data

**RECOMMENDATIONS:** If the site cannot be avoided the nature of extent is testing.

**SITE ASSESSMENT UNDER 36 CFR 60.4 (NATIONAL REGISTER):**

**INTEGRITY:** Retains

**CRITERIA:** d

**EXCLUSIONS:** None

**SITE ASSESSMENT UNDER 43 CFR 7.3 (ARPA):** Eligible

**SITE ASSESSMENT UNDER AIRFA:** No

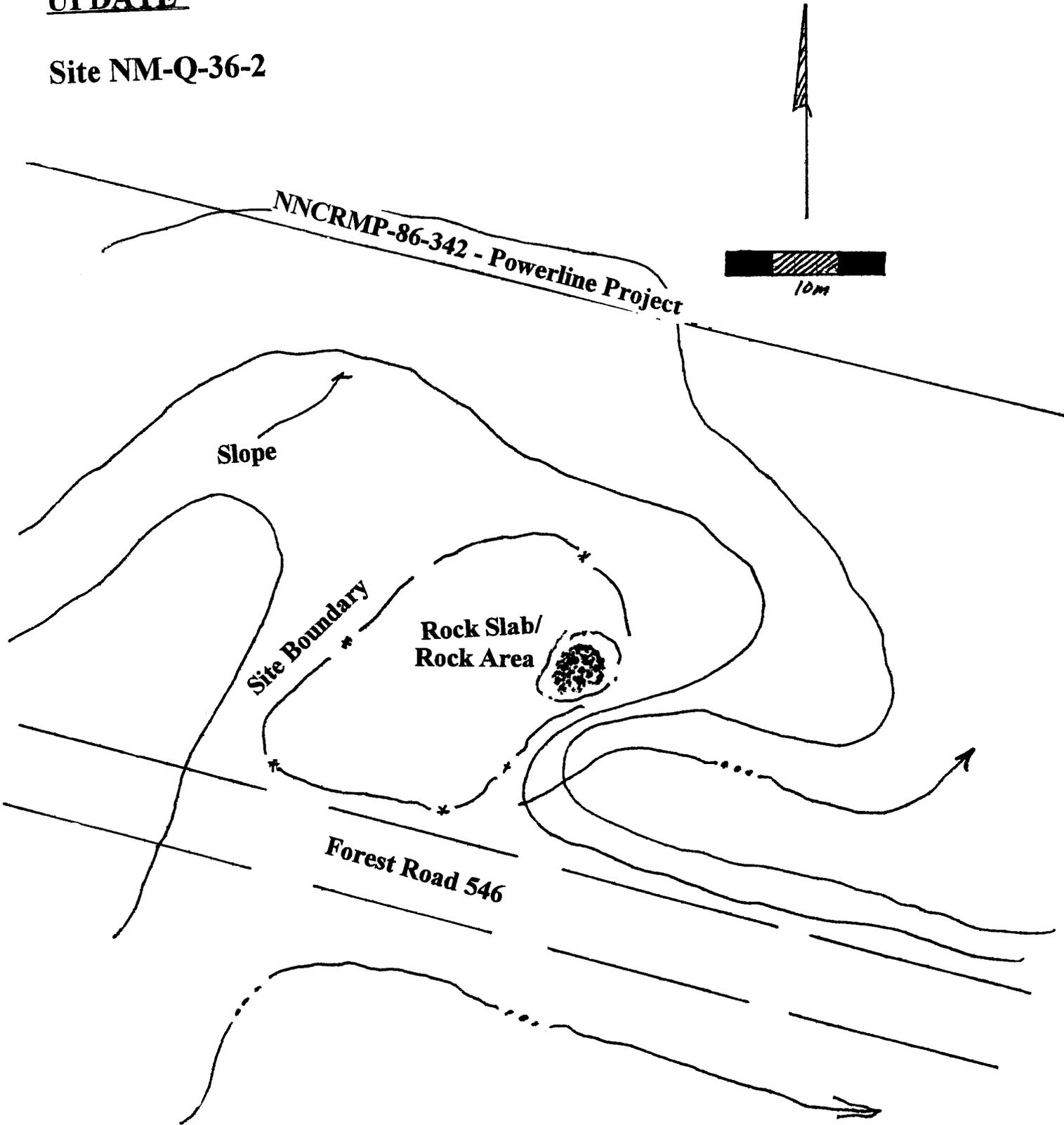
**PROVIDE A SITE MAP (including site designation, north arrow, scale, recognizable features, landmarks and relationship to project area):**  
SEE ATTACHMENT

**HOW CAN THE SITE BE REACHED?** SEE ATTACHED USGS QUAD

**OTHER COMMENTS (ethnographic data, etc.)** \_\_\_\_\_

**UPDATE**

**Site NM-Q-36-2**



THE NAVAJO NATION  
HISTORIC PRESERVATION DEPARTMENT  
Site Survey and Management Form

SITE NO.: NM-Q-36-3 DATE RECORDED: May 17, 2001

ORIGINAL PROJECT NO. NNCRMP-86-342

PROJECT NO. & NAME: Proposed Construction of the New Fort Wingate Elementary School located within the Fort Wingate Community

ORGANIZATION: NNHPD ARCHAEOLOGIST(S): D. Yazzie, T. Billie

USGS MAP REFERENCE: Fort Wingate

LEGAL DESCRIPTION: Section 4 T12N, R 16 W

UTM COORDINATES (ZONE 12): 722710 E, 3927380 N

STATE: New Mexico COUNTY: McKinley CHAPTER: Iyanbito

LAND STATUS: Navajo Tribal Trust

GROUND VISIBILITY: Kind and extend of cover? 75% vegetation coverage within the site boundary.

TOPOGRAPHY: Flat land & drainages

DRAINAGE: Tributary to east approximately 80 m

ELEVATION (FT/M): 7000ft./2134m

SLOPE & DIRECTION: 0-2 Degrees North

SEDIMENT TYPE: Clay loam OTHER: \_\_\_\_\_

VEGETATION PRESENT: Sage, Mule', snakeweed four-wing saltbush, rice grass, cholla cactus, Juniper, Pinyon, Russian Olive

CULTURAL AFFILIATION: Anasazi/ Euro-American

SITE TYPE: PII-PIII Anasazi Rubble Mound/Historic Trash Scatter  
PERIOD(S) OF OCCUPATION (Date if known): PII - PIII/Late 19<sup>th</sup> & 20<sup>th</sup> Century

DIMENSIONS OF SITE (LxW): 100 X 70m

ARCHITECTURE PRESENT?: Rubble Mound DESCRIBE: Collapsed Room block

ARTIFACT(S) OBSERVED/COUNTED: No prehistoric artifacts were observed with the exception of the prehistoric rubble mound. Historic artifacts consists of purple glass, dark green glass, brown glass and unidentified rusted metal fragments.

UPDATE OF Site NM-Q-36-3

COLLECTION MADE? NO OF WHAT?            METHOD:             
PHOTOS?:            B/W: ROLL            FRAME            COLOR: ROLL           

SITE DESCRIPTION: This site consists of the remains of an apparent masonry feature characterized by untrimmed sandstone slabs and blocks. It appears that a wooden gate stood on the opposite sides of the Cibola Forest Road 546 along with historic artifacts such as pieces of glass.

CONDITION OF SITE: Fair/Good

CAUSES OF DISTURBANCE: Human activity, Natural erosion

LOCATION OF SITE RELATIVE TO PROJECT AREA: Near the southeast project boundary

EXTENT OF INVESTIGATION TO DATE: This particular recording/mapping and a previous survey for a powerline upgrade (BIA-NTM-86-351 and NTM-86-351.1)

RESEARCH POTENTIAL: Site yields scientific data

RECOMMENDATIONS: If the site cannot be avoided the nature of extent is testing

SITE ASSESSMENT UNDER 36 CFR 60.4 (NATIONAL REGISTER):

INTEGRITY: Retains  
CRITERIA: d  
EXCLUSIONS: None

SITE ASSESSMENT UNDER 43 CFR 7.3 (ARPA): Eligible

SITE ASSESSMENT UNDER AIRFA: No

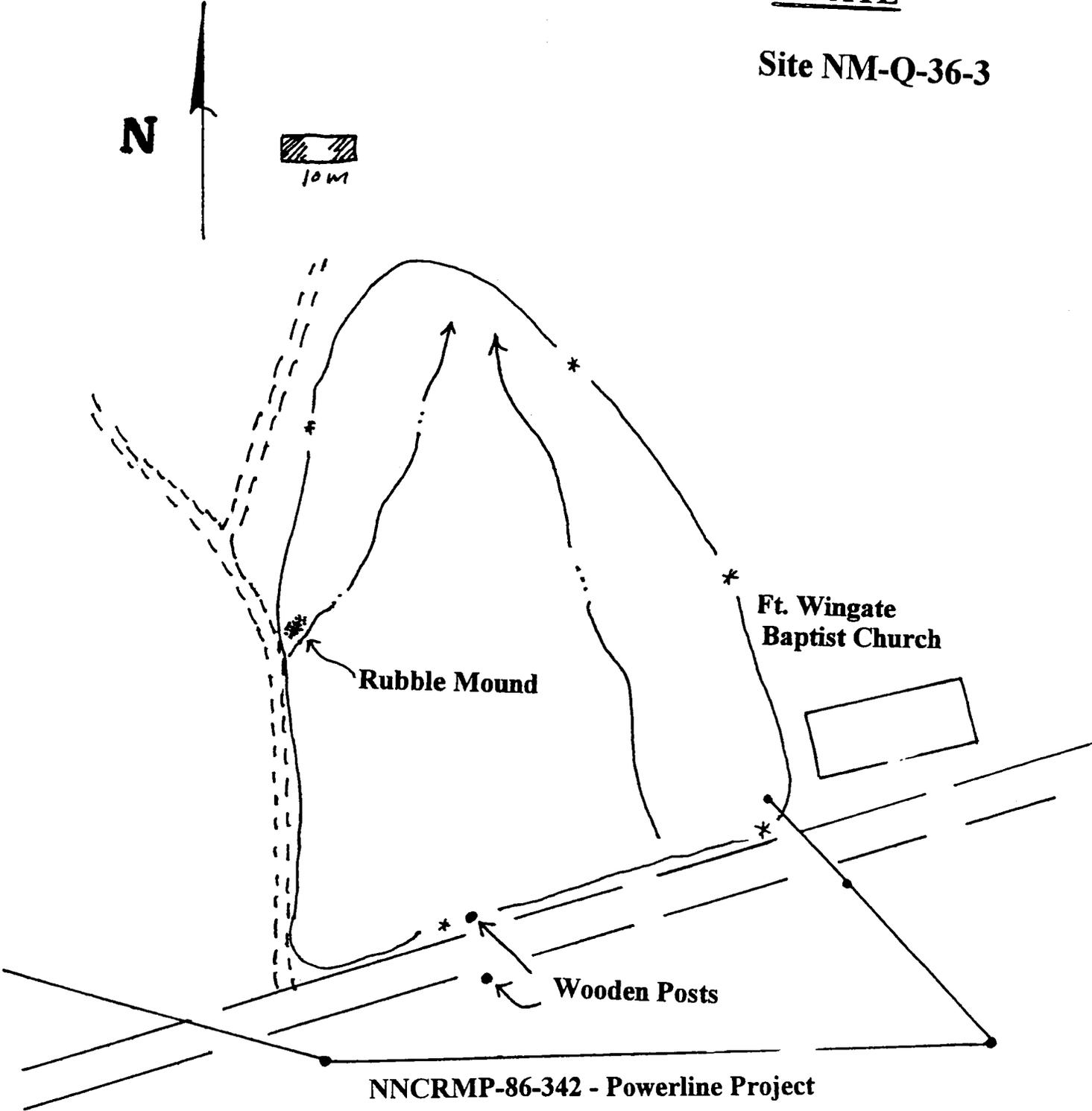
PROVIDE A SITE MAP (including site designation, north arrow, scale, recognizable features, landmarks and relationship to project area):  
SEE ATTACHMENT

HOW CAN THE SITE BE REACHED? SEE ATTACHED USGS QUAD

OTHER COMMENTS (ethnographic data, etc.)

**UPDATE**

**Site NM-Q-36-3**



THE NAVAJO NATION  
HISTORIC PRESERVATION DEPARTMENT  
Site Survey and Management Form

SITE NO.: NM-Q-36-9 DATE RECORDED: June 08, 2001

PROJECT NO. & NAME: An Archaeological Survey for the Proposed Construction of the New Wingate Elementary School located within the Fort Wingate Community, Fort Wingate, McKinley County, New Mexico.

ORGANIZATION: NNHPD ARCHAEOLOGIST(S): D. Yazzie, T. Billie

USGS MAP REFERENCE: Fort Wingate-NM

LEGAL DESCRIPTION: T 14 N, R 16 W; Section: Unplatted

UTM COORDINATES (ZONE 12): 722870 E, 3927560 N

STATE: New Mexico COUNTY: McKinley CHAPTER: Iyanbito

LAND STATUS: Administrative Reserve

GROUND VISIBILITY: Kind and extend of cover? 40% of the site location is covered with sage brush and grasses.

TOPOGRAPHY: Flat land & drainages

DRAINAGE: two small drainage are located within the site boundary.

ELEVATION (FT/M): 6955 ft./2120 m SLOPE & DIRECTION: 1 - 2% N

SEDIMENT TYPE: Reddish Clay loam OTHER: None

VEGETATION PRESENT: Sage brush, Mule', snakeweed four-wing saltbush, rice grass, cholla cactus, Juniper, Pinyon, Russian Olive, Blue Grama, Wolfberry, Elm Trees

CULTURAL AFFILIATION: Euro-American

SITE TYPE: Euro-American earthen dam

PERIOD(S) OF OCCUPATION (Date if known): Late 1930's or 1940's

DIMENSIONS OF SITE (LxW): 120 m by 150m with each dam measuring approximately 50 x 30m

ARCHITECTURE PRESENT?: Earthen Dam DESCRIBE: Earthen mound

ARTIFACT(S) OBSERVED/COUNTED: None

COLLECTION MADE? NO OF WHAT? N/A METHOD: N/A

PHOTOS?: N/A B/W: ROLL N/A FRAME N/A COLOR: ROLL

SITE DESCRIPTION: The site is located at the southern eastern portion of the project area. The site consist of three earthen dams measuring approximately 50m by 30m. The retaining walls measure approximately 10 feet in height. The dams are similar in construction to what the Civil Conservation Corps (CCC) built in the late 1930's or early 1940's.

**CONDITION OF SITE:** Fair, the site has been impacted by weathering and erosion.

**CAUSES OF DISTURBANCE:** Natural Erosion

**LOCATION OF SITE RELATIVE TO PROJECT AREA:** The site is located at the southern eastern portion of the project boundary.

**EXTENT OF INVESTIGATION TO DATE:** The site has been recorded and mapped to document site location.

**RESEARCH POTENTIAL:** Good, may yield scientific data on dam construction within the area.

**RECOMMENDATIONS:** If the site cannot be avoided then an mitigation plan will be required to lessen the effect of the undertaking. A mitigation plan will consist of a Historic American Building Survey (HABS) document.

**SITE ASSESSMENT UNDER 36 CFR 60.4 (NATIONAL REGISTER):**

INTEGRITY:	<u>Yes</u>
CRITERIA:	<u>C &amp; D</u>
EXCLUSIONS:	<u>None</u>

**SITE ASSESSMENT UNDER 43 CFR 7.3 (ARPA):** The site does not meets the age criteria which merit protection under ARPA.

**SITE ASSESSMENT UNDER AIRFA:** No

**PROVIDE A SITE MAP (including site designation, north arrow, scale, recognizable features, landmarks and relationship to project area):** SEE ATTACHMENT

**HOW CAN THE SITE BE REACHED?** SEE ATTACHED USGS QUAD

**OTHER COMMENTS (ethnographic data, etc.)** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **6.0 CONSULTATION AND COORDINATION**

This section discusses the public participation, local coordination, and agency coordination that has been completed to date for the Fort Wingate Replacement Elementary School.

### **6.1 INTRODUCTION**

An agency coordination program was implemented to provide input into the study process. Agency coordination was initiated through staff participation on a project study team and through written communication with affected governmental agencies. Agency coordination is necessary to assist in the identification of potential project-related environmental impacts and to develop and refine the proposed design of the project, if warranted. Public participation will be solicited upon the acceptance of the EA.

### **6.2 PUBLIC INVOLVEMENT AND LOCAL COORDINATION**

Public participation in the project will begin upon the completion and acceptance of the EA. There will be either an opportunity for public hearing or a public hearing once the EA has been approved by the BIA and is available for public review.

### **6.3 AGENCY COORDINATION**

Participating agencies identified major issues and concerns which aided in the development and evaluation of project design alternatives. Coordination with affected agencies was accomplished through meetings, correspondence, telephone communication, and review of project-related materials. Formal letters of invitation were sent to state and federal agencies for their participation in the environmental analysis. All written correspondence received to date is contained in Appendix A.

### **6.4 PREPARERS**

- Marron and Associates, Inc.  
Ken Marron, BS Science Education, MS Community and Regional Planning  
Shari Grossarth, BS Conservation Biology

### **6.5 CONSULTATION/COORDINATION**

- Architectural Research Consultants
- Bureau of Indian Affairs
- JEL and Associates
- McKinley County Fire and Safety
- NMED Surface Water Quality Bureau
- Natural Resources Conservation Service
- Navajo Fish and Wildlife Department
- Navajo Nation Historic Preservation Department
- New Mexico Department of Game and Fish
- P2RS Corporation
- State of New Mexico Energy, Minerals, and Natural Resources Department
- U.S. Army Corps of Engineers
- U.S. Department of Agriculture
- U.S. Department of the Interior

- U.S. Fish and Wildlife Service
- Weller Architects, P.C.