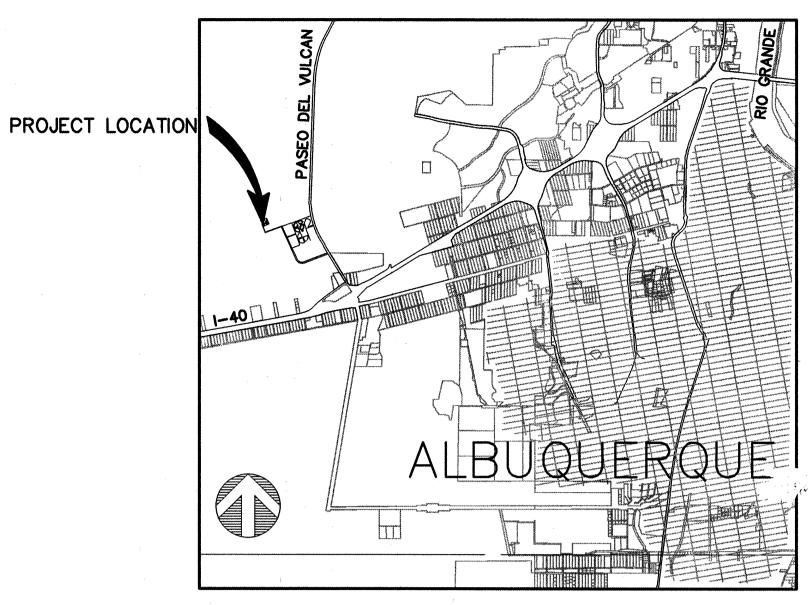
BID PACKAGE A BC PROJECT NO. TS 04-07-A



VICINITY MAF

## DRAWING INDEX

SHEET NO.

DESCRIPTION

COVER SHEET

GENERAL NOTES

3

LOCATION OF WATER WELL

4

WELL AND PUMP DETAILS (REVISED)

5

MISCELLANEOUS DETAILS (REVISED)

ELECTRICAL SITE DETAILS

APPROVED FOR CONSTRUCTION

REPROVED FOR CONSTRUCTION

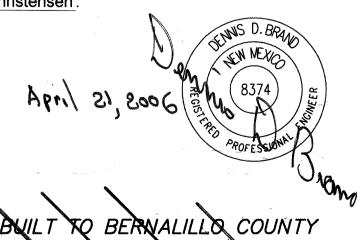
ALSO OF THE PROPERTY PURPLE WORKS

APPROVED FOR CONSTRUCTION

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY

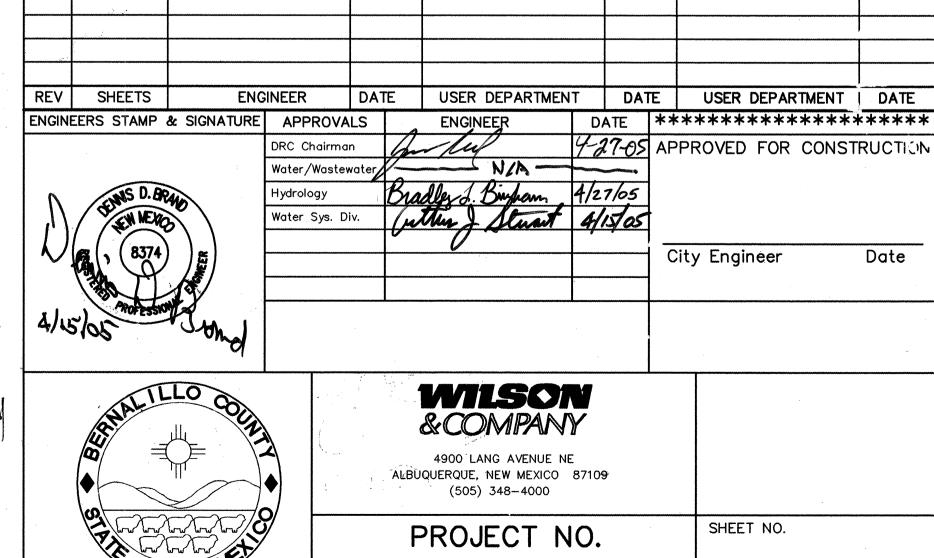
## CERTIFICATE OF SUBSTANTIAL COMPLIANCE OF PLANS

I, <u>Dennis D. Brand</u>, of the firm <u>Wilson & Company, Inc</u>, a Registered Professional Engineer in the State of New Mexico, NMPE number <u>8374</u>, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer/Water Utility Authority Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey and as-built drawing information provided by The Contractor, Layne-Western, a Division of Layne-Christensen.



NOTE:
STREETS ARE BEING BUILT TO BERNALILLO COUNTY
PRIVATE ROADWAY STANDARDS, ACCEPTANCE OF
STREETS BY CITY OF ALBOQUERQUE WILL NOT
OCCUR UNTIL STREETS ARE RECONSTRUCTED
TO CITY STANDARDS PER THE DPM:

WCEA FILE NO. X4210019 BID PKG. A - MAR. 2005



CPN 760681

TS 04-07-A

MESA REPRO

IP Water\WaterWell\Cover.dwg 4/15/

210019\Play Drawings-RC IP \\a+a\\\\a+a\\

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL. EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH: (1) THE LATEST VERSION OF THE BERNALILLO COUNTY PUBLIC WORKS STANDARDS, (2) "THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986," UPDATE #6 (REFERRED TO HEREAFTER AS THE COA STANDARD SPECIFICATIONS), (3) THE NEW MEXICO STATE DEPARTMET OF TRANSPORTATION STANDARD SPECIFICATIONS FOT THE HIGHWAY AND BRIDGE

CONSTRUCTION, LATEST EDITION. OR (4) AS MODIFIED BY THE PROJECT SPECIFICATIONS.

IN CASE OF CONFILCT, THE PROJECT SPECIFICATIONS SHALL GOVERN.

**NOTIFICATIONS** 

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY FOR CONSTRUCTION. PERMITS SHALL BE ACQUIRED A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION. CONTACT BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT (848-1500) AND CITY OF ALBUQUERQUE (768 2551) FOR INFORMATION. A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY STREET CLOSURES AND PRIOR TO ANY WORK WITHIN RIGHT-OF-WAY, THE CONTRACTOR SHALL NOTIFY IN WRITING THE FIRE DEPARTMENT AND SHERIFF'S DEPARTMENT FOR THE APPROPRIATE JURISDICTION.

L(924-3400)

FOR ALL WORK ASSOCIATED WITH PROJECT CONTRACTOR IS REQUIRED TO OBTAIN AN EXCAVATION PERMIT PRIOR TO THE START OF ANY WORK WITHIN COUNTY RIGHT-OF-WAY, OR LAND CONTROLLED BY THE COUNTY. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT, FIRE DEPARTMENT AND SHERIFF'S DEPARTMENT IN WRITING, A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY STREET CLOSURES AND PRIOR TO ANY WORK WITHIN COUNTY RIGHT-OF-WAY.

## **UTILITIES**

- ALL EXISTING UNDERGROUND UTILITIES (AND ABOVE GROUND OBSTACLES/UTILITIES) MAY NOT BE SHOWN HEREON AND ALL EXISTING UTILITIES/OBSTACLES THAT ARE SHOWN ON THE PLAN ARE APPROXIMATE LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT UTILITY OWNERS, AND CONDUCT NECESSARY FIELD INVESTIGATIONS TO VERIFY ACTUAL HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES AND/OR OBSTACLES PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION. SHOULD A CONFLICT BE FOUND, NOTIFY THE ENGINEER SO CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- EXERCISE CARE TO AVOID DISTURBING EXISTING UTILITIES, AND COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO SUPPORT AND MAINTAIN ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, EMPLOY SHORING, SHEETING, AND OTHER MEANS OF SUPPORT TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS SHALL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER WILL BE IMMEDIATELY NOTIFIED OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT THE CONFLICT CAN BE RESOLVED IN A TIMELY MANNER.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE CONSIDERED.
- ALL WATER VALVE BOXES WITHIN THE SITE ARE TO BE ADJUSTED TO FINISH GRADE PER COA STANDARD SPECIFICATIONS AND ARE TO BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE ANY WATER VALVE SHUTOFF OPERATION WITH THE WATER SYSTEMS DIVISION (857-8200) NOT LESS THAN SEVEN (7) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING WATER UTILITIES. WATER SERVICE SHALL BE MAINTAINED TO ALL CUSTOMERS DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL WATER FROM DEWATERING ACTIVITIES (IF ANY). CONTRACTOR SHALL BE RESPONSIBLE TO MAKE NECESSARY ARRANGEMENTS WITH WESTLAND CORP. FOR USE OF DITCHES AND/OR DRAINS ON PRIVATE LAND FOR THIS PURPOSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TRENCHES IN A SAFE CONDITION.
- QWEST HAS NOT PROVIDED ANY INFORMATION OF THEIR UTILITIES DURING THE DESIGN PROCESS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF THIS AND OTHER UTILITIES AT ALL LOCATIONS. REGARDLESS OF EXISTING UTILITIES AS SHOWN ON DRAWINGS.

## **MISCELLANEOUS NOTES:**

- PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT, ATTN: CONSTRUCTION PROJECT MANAGER. PHONE NO. 848-1500.
- 2. COMPLIANCE WITH U.S. E.P.A. REGULATIONS FOR ALL SOILS DISTURBANCES, EROSION CONTROL AND TEMPORARY DISCHARGE MEASURES SHALL BE PART OF THE "WORK AS REQUIRED" UNDER THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REGULATIONS FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITES. THE WORK CONSISTS OF DEVELOPING A SITE-SPECIFIC STORM WATER POLUTION PREVENTION PLAN (SWPPP). THIS WORK IS THE RESPONSIBILITY OF THIS CONTRACTOR, DURING CONSTRUCTION PERIOD. SPECIFICS OF SCOPE AND PAYMENT SHALL BE AS DETAILED IN THE CITY OF ALBUQUERQUE SUPPLEMENTAL TECHNICAL SPECIFICATION "SECTION 630-NPDES COMPLIANCE".
- 3. REMOVE FROM THE PROJECT AREA ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE CONSTRUCTION ENGINEER.
- 4. COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. IT MAY BE REQUIRED TO RESCHEDULE ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
- THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING AND SURVEYING FROM COORDINATES, GRADES, AND BENCH MARKS SHOWN ON THE PLANS, OR MODIFIED IN THE FIELD BY THE ENGINEER, FOR ALL ITEMS OF WORK WHICH REQUIRE CONSTRUCTION STAKING AND SURVEYING. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO REESTABLISH ANY MISSING REFERENCE POINTS REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO, ALL SEWER LINES, WATER LINES, SERVICE LINES, AND IRRIGATION STRUCTURES. ALL COSTS INCURRED IN PROVIDING SUCH CONSTRUCTION STAKING AND SURVEYING WORK SHALL BE PAID AS SHOWN IN THE BID PROPOSAL.
- THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY OR EASEMENTS TO PRESERVE EXISTING VEGETATION, FENCES, WALLS, AND PRIVATE PROPERTY. OVERNIGHT PARKING OF EQUIPMENT AND/OR STORAGE OF MATERIALS IS NOT ALLOWED EXCEPT BY PERMISSION OF OWNER, RESTORATION OF PRIVATE IMPROVEMENTS WILL BE AT THE CONTRACTOR'S EXPENSE.
- IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER WILL BE NOTIFIED. THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT (505) 827-6320. WORK MAY PROCEED AFTER COORDINATION WITH SHPO IS COMPLETE.
- CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS. SALVAGE OF ANY MATERIAL SHALL BE IDENTIFIED BY THE COUNTY PROJECT MANAGER. WORK MATERIALS SHALL BE DISPOSED OF IN COUNTY APPROVED WASTE AREAS SECURED BY AND AT THE EXPENSE OF THE CONTRACTOR.
- 9. THE OWNER SHALL SUPPLY CONTRACTOR WITH INITIAL STAKING FOR WELL LOCATION. THE CONTRACTOR SHALL PROVIDE THE CONSTRUCTION ENGINEER WITH "AS-BUILT" INFORMATION INCLUDING A SURVEYED ELEVATION. WELL LOGS AND CASING LOGS FOR WELL AND OTHER CONSTRUCTION PRIOR TO FINAL CONTRACT PAYMENT.
- CONTRACTOR SHALL PLACE EMD MARKERS AT ALL LINE STUBOUTS FROM THE WELL. UNLESS LINES END IN A VALVE.
- 11. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- 12. THE COUNTY HAS SUBMITTED AN EXPLORATORY WELL DRILLING PERMIT FOR THIS WELL TO THE OFFICE OF THE STATE ENGINEER (OSE) AND WHICH WILL BE PROVIDED. THE CONTRACTOR SHALL ABIDE BY THE TERMS OF THE PERMIT. A PERMANENT WELL PERMIT WILL BE SUBMITTED BY THE OWNER UPON COMPLETION OF PUMP TESTING.
- 13. WASH WATER FROM WELL SHALL BE PIPED OR DITCHED TO LOCATION OF FUTURE DRAINAGE POND (TO BE CONSTRUCTED BY A LATER BID PACKAGE). THIS CONTRACTOR SHALL EXCAVATE A PIT ON THE LOCATION ADEQUATE TO PREVENT DISCHARGE EXCEPT UNDER CONTROLLED CONDITIONS MEETING BERNALILLO COUNTY APPROVAL. UNDER NO CIRCUMSTANCES SHALL THE DITCH OR PIPING RUN IN OR NEAR THE FUTURE PUMPHOUSE.
- 14. WELL DRILLING, COMPLETION, AND WELL CAPACITY TESTING SHALL BE COMPLETED BY 55 DAYS AFTER BID IS AWARDED.
- 15. THE PUMPING UNIT SHALL NOT BE FINALLY APPROVED BY OWNER AND ENGINEER UNTIL RESULTS OF WELL CAPACITY TESTING ARE KNOWN.
- 16. DESIGN CRITERIA FOR THE NEW PUMP IS THE STANDARD FOR BID, BUT MAY NOT REFLECT FINAL SIZING. AFTER THE PUMP TEST RESULTS ARE PRESENTED TO THE ENGINEER AND OWNER. THEY SHALL MAKE FINAL PUMPING EQUIPMENT SELECTION. WITHIN 12 DAYS AFTER RECEIVING THE RESULTS. THE FINAL SELECTED PUMP SHALL THEN BE DELIVERED AND INSTALLED.
- 17. CONTRACTOR SHALL BE COMPENSATED FOR ANY PUMP OR PUMP MOTOR CHANGES THAT REQUIRE ANY ADDITIONAL EQUIPMENT PURCHASE COSTS, BASED UPON FINAL PUMP SELECTION.
- 18. COMPLETION OF THE WELL EQUIPMENT, INCLUDING WELL PUMP, VALVES, METERS, ELECTRICAL, AND ALL APPURTENANCES, SHALL BE MADE BY 57 DAYS AFTER FINAL PUMP SIZING IS SELECTED AND TRANSMITTED TO THE CONTRACTOR.
- 19. TOTAL OF CONTRACT TIME IS 124 DAYS (55 DAYS + 12 DAYS + 57 DAYS).

COORDINATION WITH PUBLIC

SPECIAL NOTICES:

HAND DELIVER SPECIAL NOTICES TO EACH RESIDENCE OR BUSINESS ADJACENT TO THE CONSTRUCTION AREA AND TO OTHERS WHICH MAY BE AFFECTED BY THE CONSTRUCTION ACTIVITIES. SPECIAL NOTICES ARE TO INFORM RESIDENTS AND BUSINESSES IN WRITING WHENEVER ACCESS, UTILITY SERVICES OR OTHER SERVICES TO THEIR PROPERTY MAY BE IMPAIRED.

20. CONSTRUCTION TIME / PUMP DELIVERY: IF PUMP SELECTION AND/OR DELIVERY SCHEDULES DO NOT ALLOW DELIVERY AND INSTALLATION OF THE SELECTED WELL PUMPING UNIT WITHIN THE ALLOWED 57 CALENDAR DAYS, ADDITIONAL TIME MAY BE REQUESTED FROM THE OWNER AND THE ENGINEER. THIS REQUEST SHALL BE MADE NO LATER THAN SEVEN (7) DAYS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE FINAL PUMP SELECTION, AND SHALL BE ACCOMPANIED BY BACKUP DELIVERY DATA SUPPLIED BY THE MANUFACTURER.

SYMBOL LEGEND PROPOSED WELL SUPPLY LINE PROPOSED WATERLINE WATER METER WATER VALVE WATER MANHOLE FIRE HYDRANT WELL PROPOSED SANITARY SEWER CLEAN OUT DRAINAGE MANHOLE SANITARY MANHOLE POWER LINE ELECTRIC METER ELECTRIC BOX TRANSFORMER CONTROL POINT SIGNAL BOX LOCATION MARKER TELEPHONE RISER POWER POLE POWER PEDESTAL BURIED TELEPHONE LINE VLT **VAULT** PROPOSED STORM DRAIN DROP INLET CURB INLET **GUARD RAIL** 

DATE
DATE
DATE
DATE
DATE

GAS METER 2" GAS LINE -2\_HP GAS-

GAS VALVE

WALL

RIGHT OF WAY

BERNALILLO COUNTY KILLO O APR 2 7 2005

WATER WELL AND PUMPING UNIT

INDUSTRIAL PARK WATER SYSTEM

SHEET

2 of 6

GENERAL NOTES

CHAIN LINK\WIRE FENCE

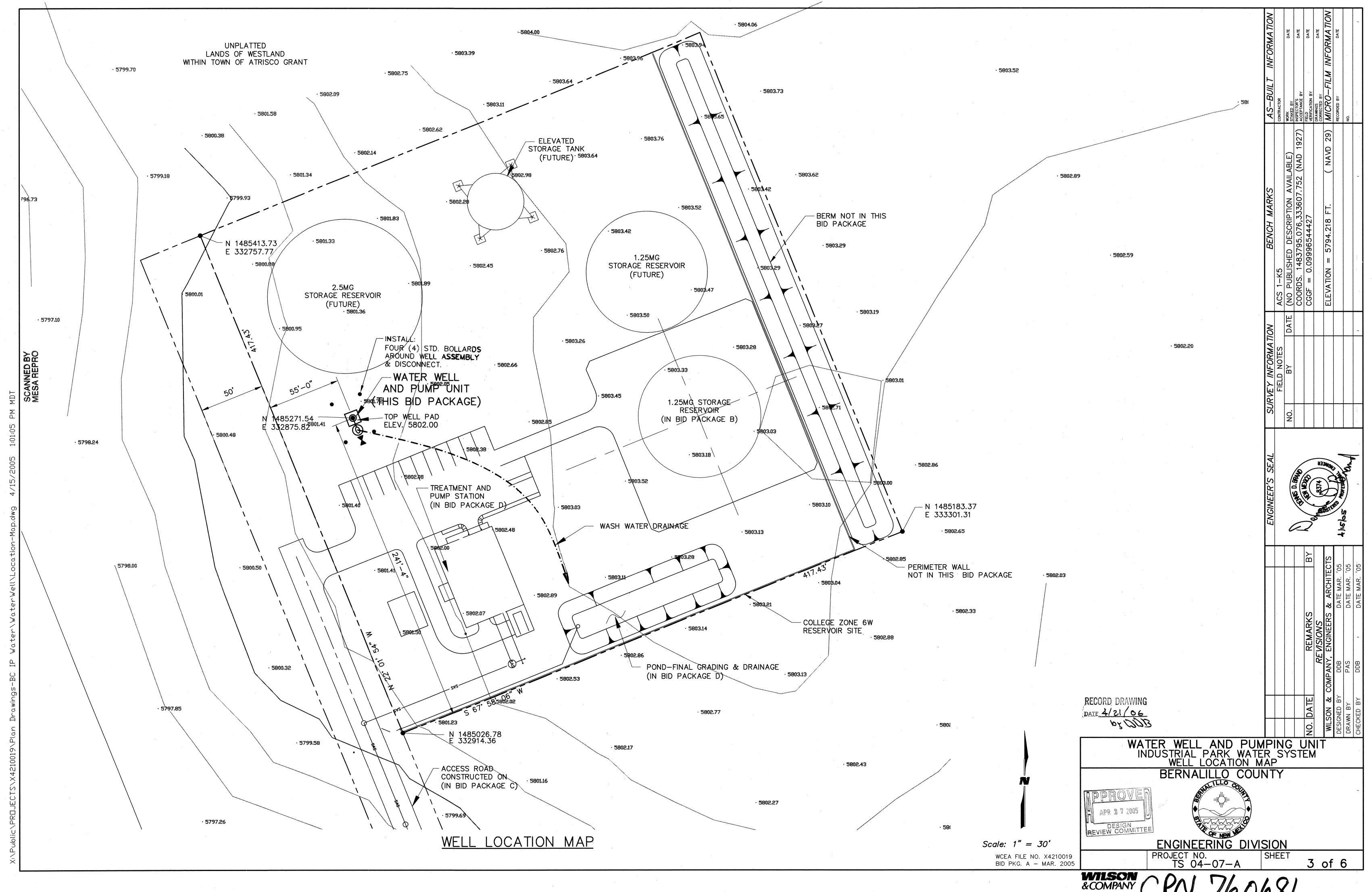
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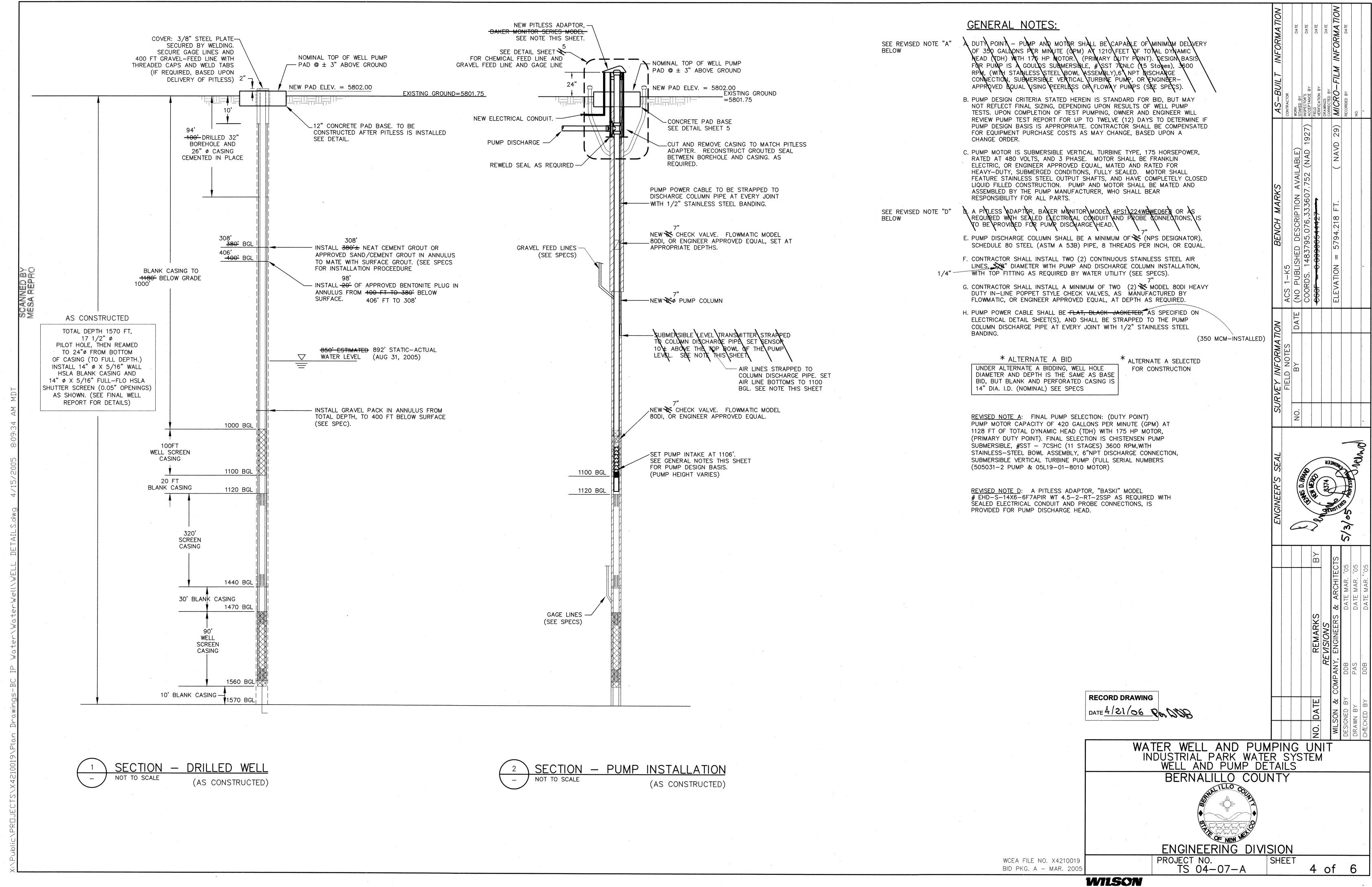
RECORD DRAWING

DATE 4/21/2006

DESIGN REVIEW COMMITTEE ENGINEERING DIVISION PROJECT NO. TS 04-07-A

WILSON &COMPANY





&COMPANY

