

CONSTRUCTION PLANS

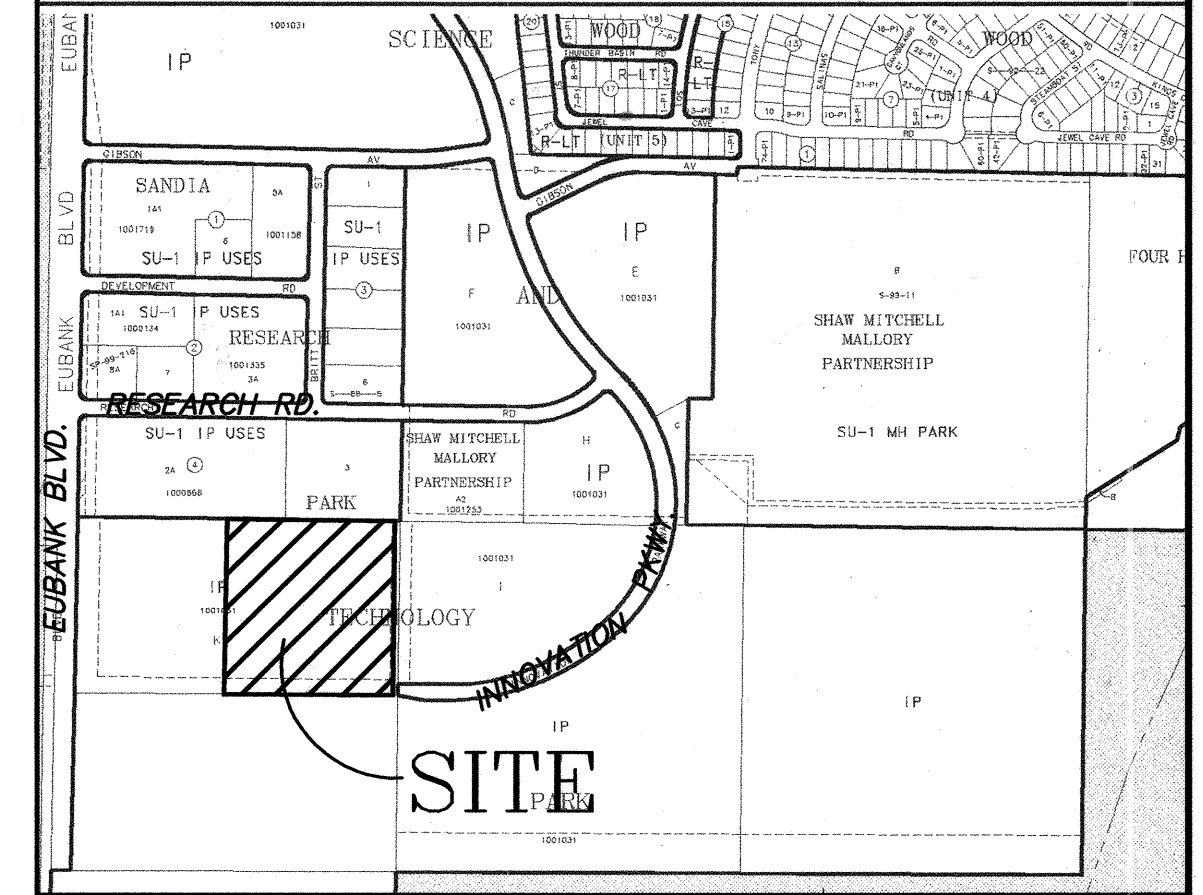
FOR

SANDIA NATIONAL LAB OFFICE BUILDING

IN THE

SANDIA SCIENCE & TECHNOLOGY PARK

ALBUQUERQUE, NEW MEXICO



VICINITY MAP ZONE MAP: M-21

SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMAL AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REINFORCED PAVEMENT BARRICADING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DAMAGED WITHIN THE CONSTRUCTION ZONE. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
12. FOR STORM DRAIN CONSTRUCTION, RCP JOINTS SHALL NOT BE GROUDED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUDED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☐ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

SURVEYOR'S ASBUILT CERTIFICATION

" I Mitchell W. Reynolds, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, and that the 'as-built' information shown on these drawings was added by me or my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Surveys Southwest Ltd. is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

Mitchell W Reynolds 06-
MITCHELL W REYNOLDS, NMPS 11224 DATE

Revised 08-23-07



INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2,3	FINAL PLAT
4	ONSITE UTILITY PLAN
5	GRADING & DRAINAGE PLAN
6	PAVING IMPROVEMENTS
7	UTILITY IMPROVEMENTS

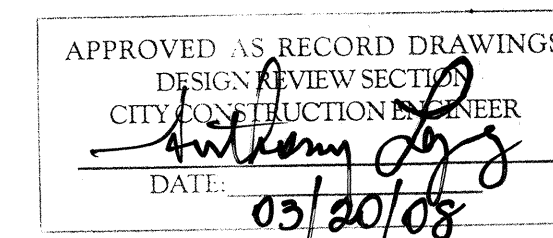
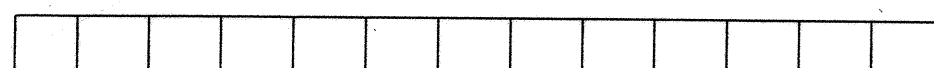
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE #8948, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, 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 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 information provided by Survey Southwest Ltd., NMPS number, 9980393.

Mark Goodwin NMPE 8948 6/12/07

I, Mark Goodwin, certify that this electronic version is identical to the original reproducible APPROVED FOR CONSTRUCTION drawings signed by me on 4/7/20, 2000.

This set of drawings is accepted for RECORD purposes by _____ on _____, 2007.



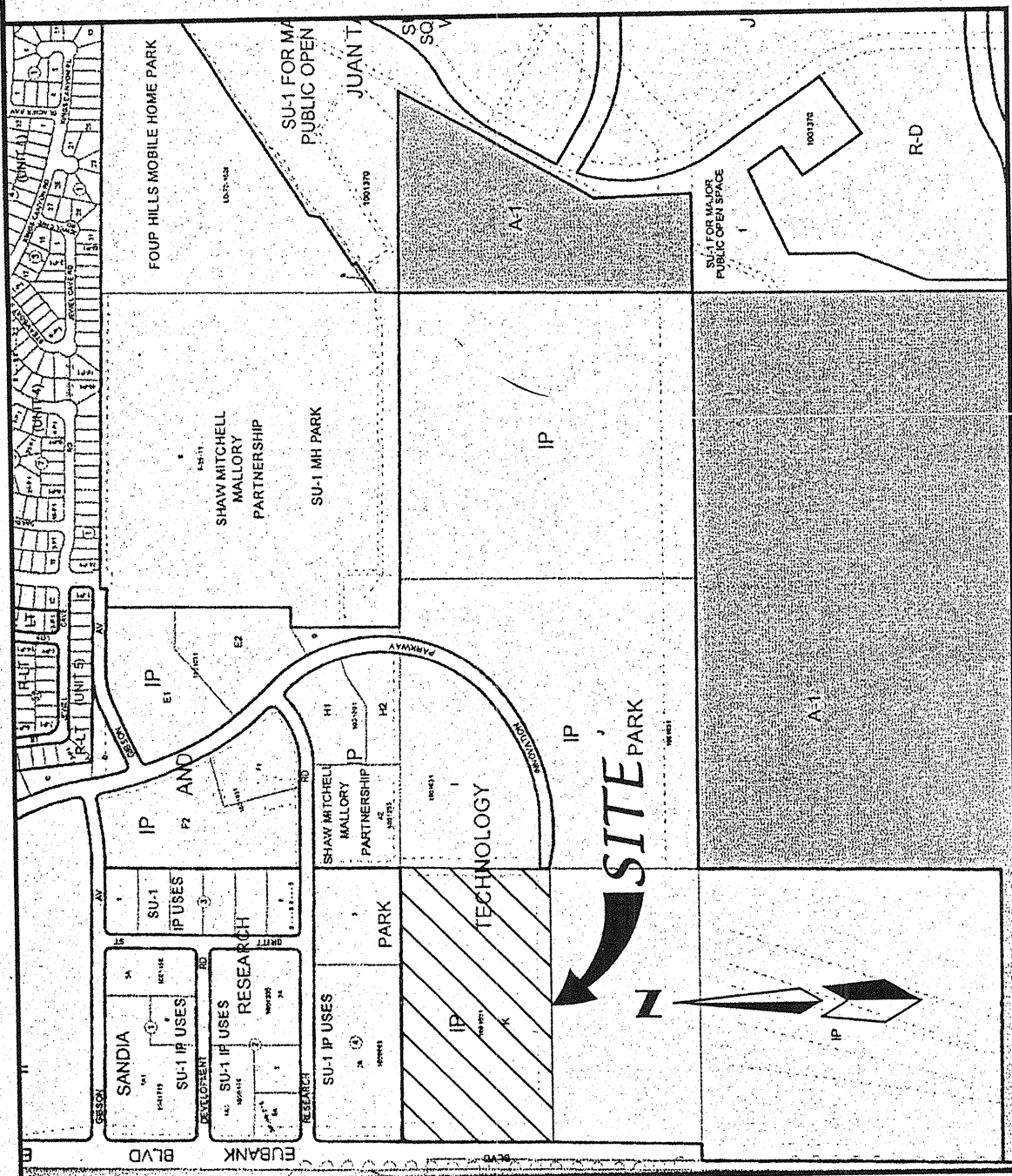
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CAUTION:

NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

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LEGAL DESCRIPTION

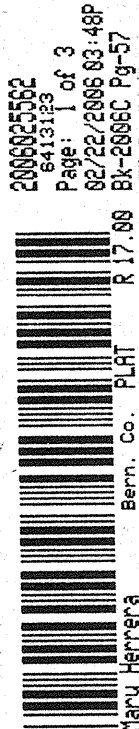
TRACT K OF THE BULK LAND PLAT OF SANDIA SCIENCE AND TECHNOLOGY PARK, AS THE SAME IS SHOWN AND DESIGNATED ON SAID PLAT, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON DECEMBER 13, 2001, IN PLAT BOOK 2001G, FOLIO 324.

PURPOSE OF PLAT

1. SUBDIVIDE ONE (1) TRACT INTO TWO (2) TRACTS.
2. GRANT NEW EASEMENTS AS SHOWN HEREON
3. DEDICATE RIGHT-OF-WAY AS SHOWN HEREON

NOTES

1. FIELD SURVEY PERFORMED IN OCTOBER, 2005.
2. ALL DISTANCES ARE GROUND DISTANCES: J.S. SURVEY FOOT.
3. TALOS LOG NUMBER 2005413558.
4. THE BASIS OF BEARINGS REFERENCES THE ACS MONUMENTS SHOWN HEREON, HAVING STATE PLANE COORDINATES (GRID-NAD 27).
5. ALL EASEMENTS OF RECORD ARE SHOWN HEREON.
6. PROPERTY CURRENTLY ZONED IP.
7. ZONE ATLAS PAGE M-21-Z.
8. PROPERTY IS LOCATED WITHIN TOWNSHIP 10 NORTH, RANGE 4 EAST, SECTION 33.



VICINITY MAP 1"=750'

SUBDIVISION DATA

GROSS ACREAGE.....20.2637 Acres
 ZONE ATLAS NO.M-21-Z
 NO. OF TRACTS.....2
 NO. OF TRACTS CREATED.....1
 NO. OF TRACTS ELIMINATED.....0
 MILES OF FULL WIDTH STREET'S CREATED.....0.13
 AREA DEDICATED TO CITY OF ALBUQUERQUE.....1.2136 Acres
 DATE OF SURVEY.....October 2005
 ZONING.....I-P
 UTILITY CONTROL LOCATION SYSTEM LOG NUMBER.....2005413558

FREE CONSENT AND DEDICATION

The subdivision hereon described is with the fee consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate additional right-of-way shown hereon to the City of Albuquerque in fee simple, subject to the covenants and do hereby grant to all access, utility, and drainage easements, shown hereon, including the right to construct, install, inspect, maintain, facilities therein; and all public utility easements shown hereon for the common and joint use of gas, electrical power, water, sewer, and communication services for buried distribution lines, conduits, and pipes for underground utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said owner(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is their free act and deed. Said owner(s) warrant that they hold among them complete and indefeasible title in fee simple to the land subdivided.

New Mexico State Land Office
Patrick Lyons
Commissioner of Public Lands

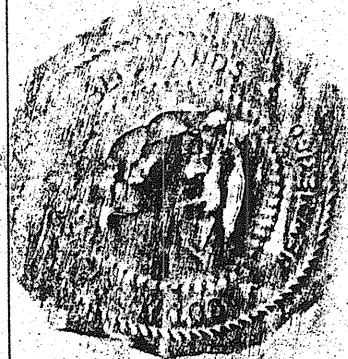
Patrick H. Lyons Jan. 31, 2006
DATE

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

This instrument was acknowledged before me on
By Patrick Lyons, Commissioner of Public Lands, Ne./ Mexico State Land Office.

NOTARY PUBLIC



MY COMMISSION EXPIRES

THIS IS TO CERTIFY THAT THE ABOVE ARE CURRENT AND
PAID ON UPC # 102105506330120115
PROPERTY OWNER OF RECORD
State of New Mexico
BERNALILLO COUNTY TREASURER'S OFFICE
Engelmanns 2/22/1

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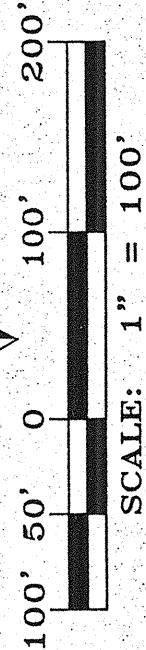
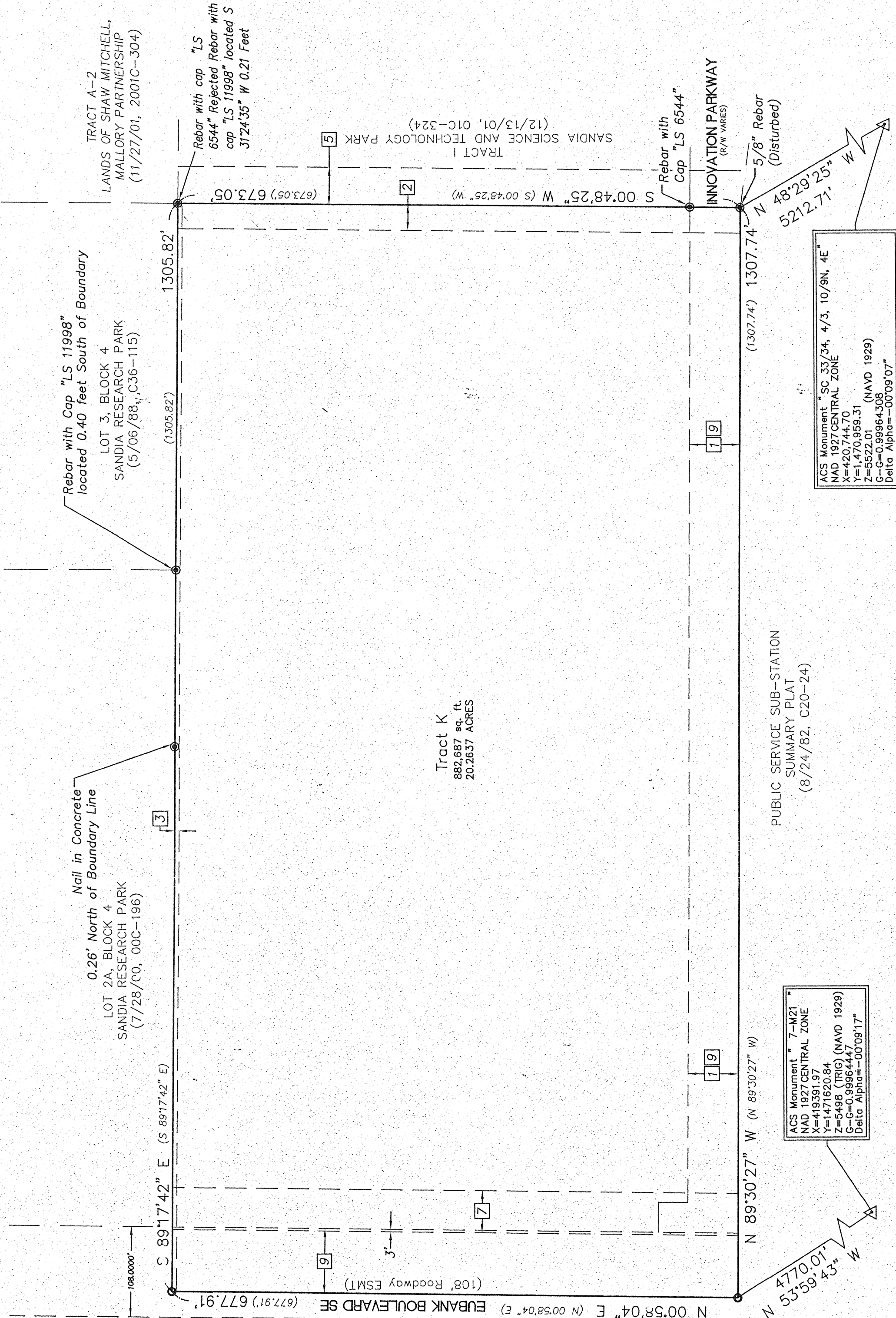
PLAT FOR

Tracts A and B Emcore Development

WITHIN SECTION 33
TOWNSHIP 10 NORTH, RANGE 4 EAST, NMMP
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
February 2006

Easements

- | | |
|---|--|
| 1 | EXISTING 60 FOOT PUBLIC ROADWAY AND UTILITY EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE, FILED 11/16/01, BK A-22, PAGE 40681, SHOWN ON THE BULK LAND PLAT OF SANI'S WASTE AND TECHNOLOGY PARK (12/13/13/01, 2.001C-324). |
| 2 | EXISTING 30 FOOT PNM EASEMENT FILED 4/13/54, DOCUMENT 18948 REF LED 251/556, SHOWN ON THE BULK LAND PLAT OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/13/01, 2.001C-324). |
| 3 | EXISTING 5 FOOT EASEMENT, GRANTED TO PNM, FILED 8/24/1982, C-30-24 AND SHOWN ON THE BULK LAND PLAT OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/13/01, 2.001C-324). |
| 4 | EXISTING 45 FOOT PUBLIC STORM DRAIN EASEMENT FILED (12/13/13/01, BK 01C-324) AND SHOWN ON THE BULK LAND PLAT OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/13/01, 2.001C-324). |
| 5 | EXISTING 50 FOOT PNM EASEMENT FILED 4/13/54 IN DOCUMENT NUMBER 18948 AND SHOWN ON THE BULK LAND PLAT OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/13/01, 2.001C-324). |
| 6 | EXISTING EASEMENT, GRANTED TO THE CITY OF ALBUQUERQUE, FOR THE ERECT OF WAY FOR THE SOLE AND EXCLUSIVE PURPOSES OF THE CONSTRUCTION, MAINTENANCE, OPERATION, REPAIR, IMPROVEMENT, AND UTILITIES, (11/16/01, 427-40689). |



CARTESIAN SURVEYS INC.

P.O. BOX 44414 RIO RANCHO, N.M. 87174
Phone (505) 896-3050 Fax (505) 891-0244

Sandia Science Office Bldg. Final Plat (CPN:775181) Sht. 2 of 7

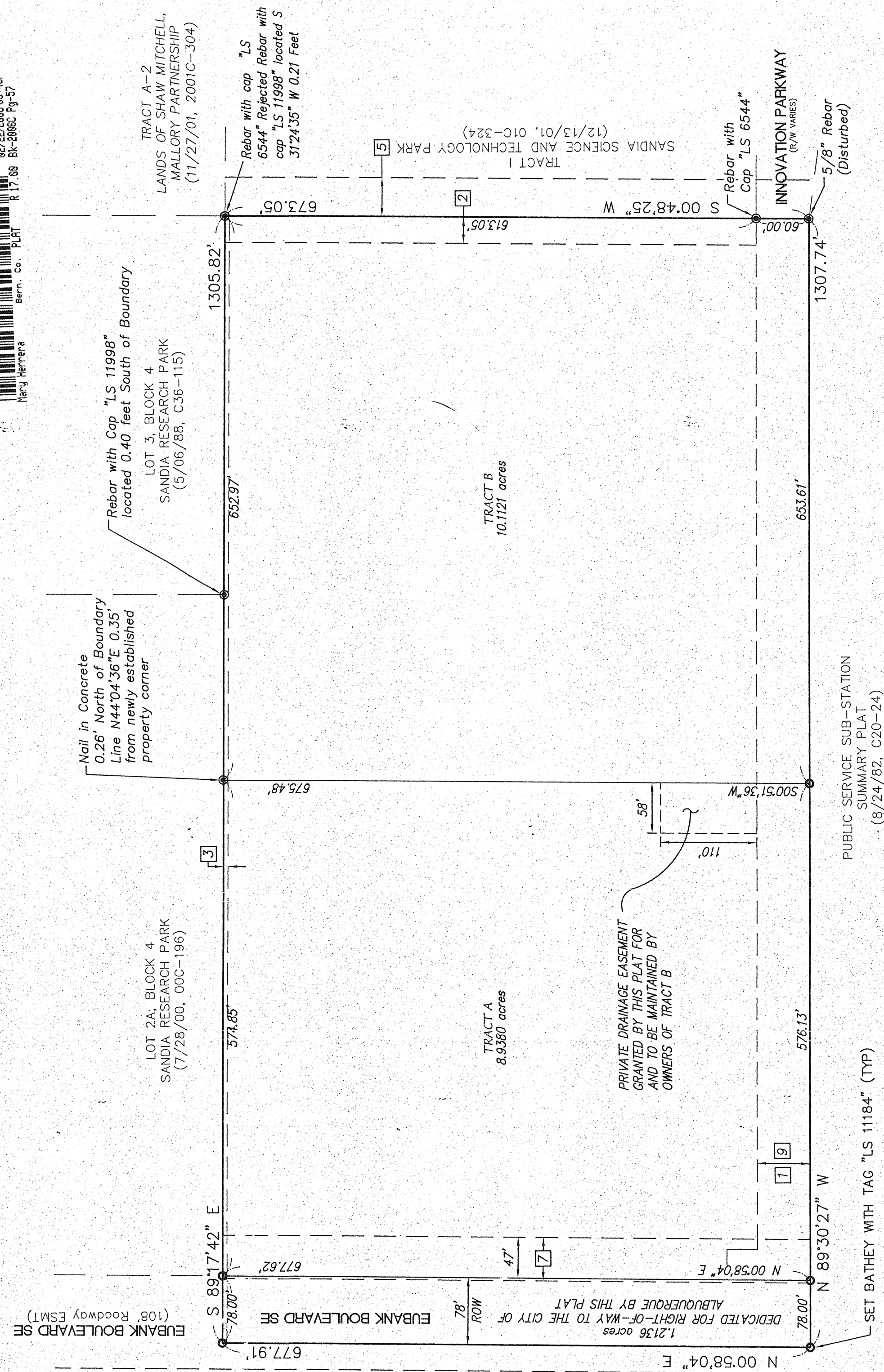
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Scale: AS SHOWN	Date: 11/05/2005	Job: A05089	

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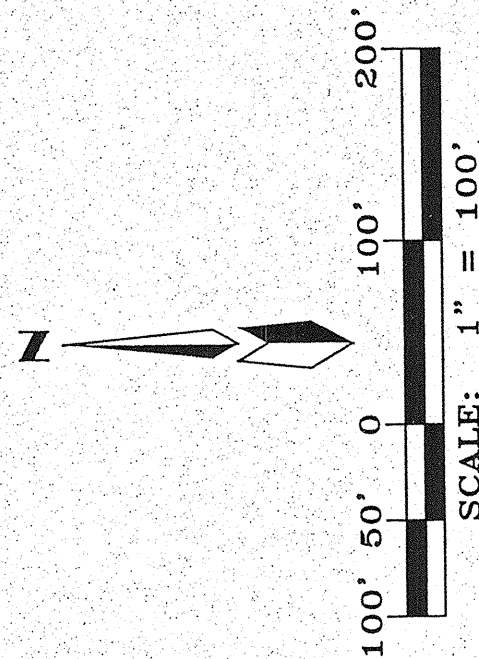
PLAT FOR
Tracts A and B
Emcore Development
WITHIN SECTION 33
TOWNSHIP 10 NORTH, RANGE 4 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
February 2006

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Bern. Co. PLRT
Yaru Herrera

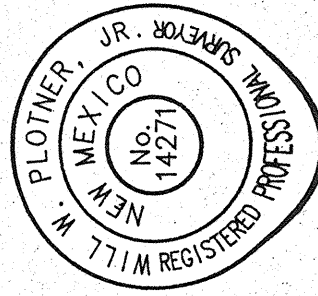


Easements

- 1 EXISTING 60' FOOT PUBLIC ROADWAY AND UTILITY EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE, FILED 11/16/01, BK A-22, PAGE 40891, SHOWN ON THE BULK LAND PLAY OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/01/01, 2001C-324).
- 2 EXISTING 30' FOOT FPM EASEMENT FILED 4/12/94, DOCUMENT 18948 REFLED 4/12/94, SHOWN ON THE BULK LAND PLAY OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/01/01, 2001C-32).
- 3 EXISTING 5'56" SHOULDER ON THE BULK LAND PLAY OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/01/01, 2001C-324).
- 4 EXISTING 5' FOOT EASEMENT, GRANTED TO PMA, FILED 8/24/1982, C30-24 AND SHOWN ON THE BULK LAND PLAY OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/01/01, 2001C-324).
- 5 EXISTING 45' FOOT PUBLIC STORM DRAIN EASEMENT FILED (12/13/01/01, BK 01C-332) AND SHOWN ON THE BULK LAND PLAY OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/01/01, 2001C-324).
- 6 EXISTING 50' FOOT FPM EASEMENT FILED 4/12/94 IN DOCUMENT NUMBER 18948 AND SHOWN ON THE BULK LAND PLAY OF SANDIA SCIENCE AND TECHNOLOGY PARK (12/13/01/01, 2001C-324).
- 7 EXISTING EASEMENT, GRANTED TO THE CITY OF ALBUQUERQUE, FOR THE RIGHT OF WAY FOR UTILIZATION, MAINTENANCE, REPAIR, MODIFICATION OR REPAIR OR WATER, SEWER, STORM DRAIN, ROAD AND TRAIL AND UTILITIES. (11/16/01, A27-4069)



Sandia Science Office Bldg. Final Plat (CPN:775181) Sht. 3 of 7



CARTESIAN SURVEYS INC.
P.O. BOX 44414 RIO RANCHO, N.M. 87174
Phone (505) 896-3050 Fax (505) 891-0244

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 8848, of the firm, Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, 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 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 Certificate is based on site inspections by me or personnel under my supervision, and survey information provided by Survey Southwest Ltd., NIMPS number 9950302.

Mark Goodwin
NMPE 8848
12/13/01

I, Mark Goodwin, certify that this electronic signature is identical to the original reproducible APPROVED FOR CONSTRUCTION drawings signed by me on 12/13/01.

TRACT K
SANDIA SCIENCE AND TECHNOLOGY PARK
(12/13/01, 2001C-324)

LOT 2A, BLOCK 4
SANDIA RESEARCH PARK
(7/28/00, 00C-196)

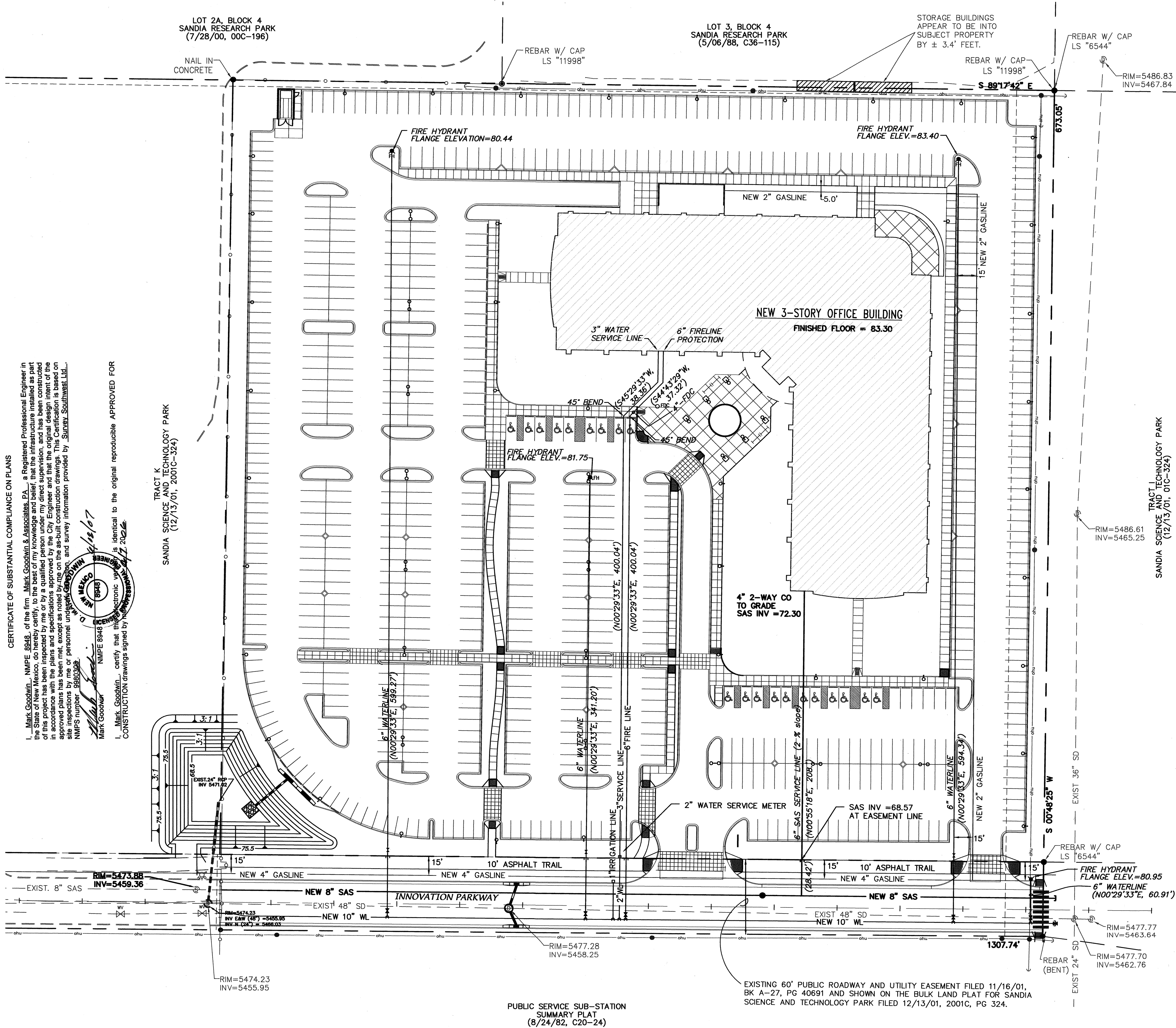
LOT 3, BLOCK 4
SANDIA RESEARCH PARK
(5/06/88, C36-115)

STORAGE BUILDINGS
APPEAR TO BE INTO
SUBJECT PROPERTY
BY ± 3.4' FEET.

REBAR W/ CAP
LS "11998"

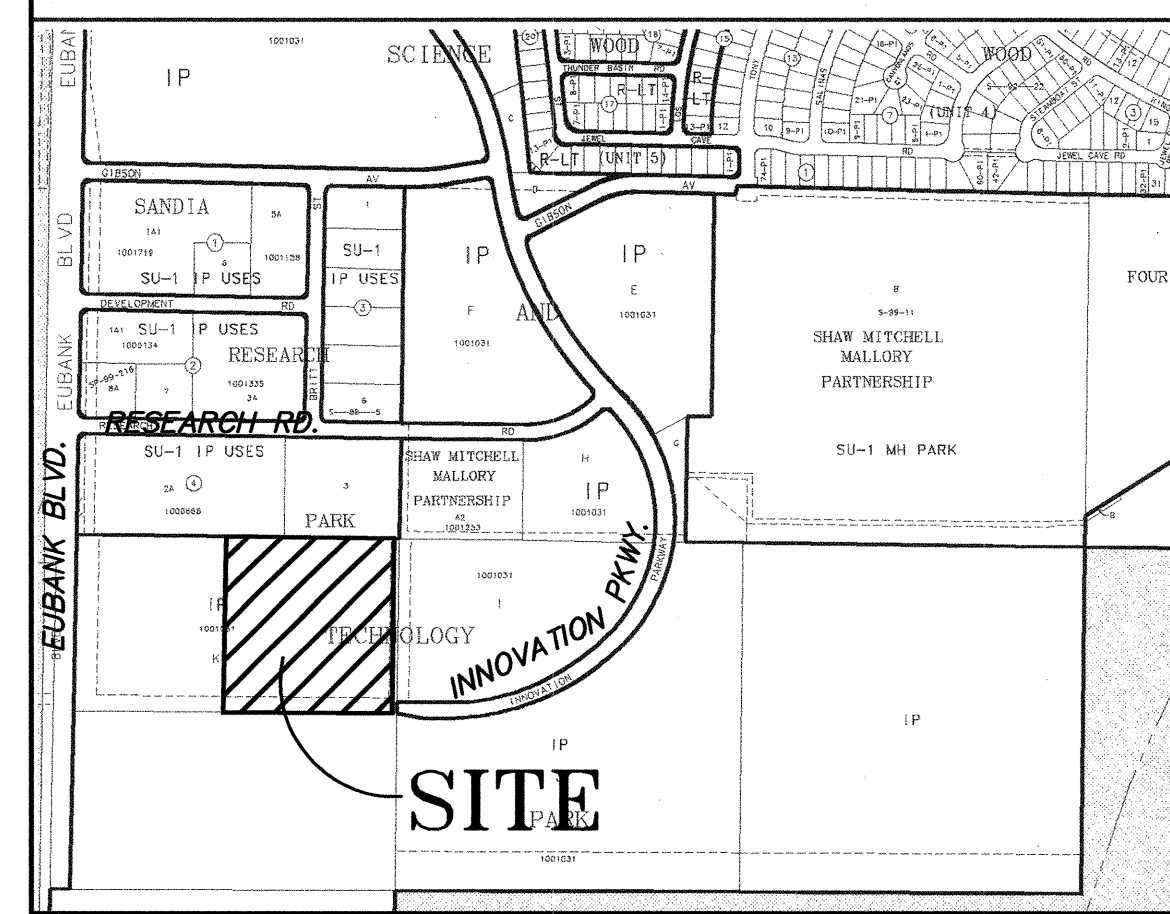
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PUBLIC SERVICE SUB-STATION
SUMMARY PLAT
(8/24/82, C20-24)

EXISTING 60' PUBLIC ROADWAY AND UTILITY EASEMENT FILED 11/16/01,
BK A-27, PG 40691 AND SHOWN ON THE BULK LAND PLAT FOR SANDIA
SCIENCE AND TECHNOLOGY PARK FILED 12/13/01, 2001C, PG 324.



VICINITY MAP ZONE MAP: M-21

LEGAL DESCRIPTION

TRACT 'A' AND 'B' EMCORE DEVELOPMENT ON, FILED IN THE OFFICE
OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON
FEBRUARY 22, 2006, IN BK. 2006C, PAGE 57.

LEGEND

- 5450 — EXISTING CONTOUR MAJOR
- 5451 — EXISTING CONTOUR MINOR
- EXISTING SPOT ELEVATIONS
- EXISTING GUARDRAIL
- EXISTING CURB
- EXISTING OVERHEAD ELECTRIC
- PROPOSED CURB & GUTTER
- PROPOSED EASEMENT
- FOUND AS INDICATED
- EXISTING WATER VALVE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING FIRE HYDRANT
- OHU — EXISTING OVERHEAD UTILITY LINES
- EXISTING UTILITY POLE
- EXISTING UTILITY CAP
- EXISTING GUY WIRE
- EXISTING CHAIN LINK FENCE
- EXIST SD — EXISTING STORM DRAIN
- EXIST SAS — EXISTING SANITARY SEWER LINE
- EXIST WL — EXISTING WATER LINE
- NEW SAS — NEW SANITARY SEWER LINE
- NEW WL — NEW WATER LINE
- NEW STREET LIGHT
- NEW VALVE
- NEW FIRE HYDRANT
- NEW WATER LINE TEE
- NEW SANITARY SEWER MANHOLE
- NEW STORM DRAIN INLET
- NEW STORM DRAIN

NOTES

- ALL WATERLINE IS C-900 SERIES PVC PIPE.
- ALL SAS IS SDR 35 PVC PIPE.
- ALL WATERLINE SHALL BE BURIED 3 FEET BELOW GROUND.
- ALL DISTANCES ON WATERLINES AND SANITARY SEWER SERVICE ARE MEASURED FROM MAIN LINE CONNECTIONS IN INNOVATION.
- ALL PRIVATE FIRE LINES MUST HAVE AN ISOLATION VALVE (PRIVATE JUST BEYOND R/W OR EASEMENT LINE).
- IF BUILDING WATER SERVICE IS 3" THEN AN EASEMENT FOR THE METER VALVE WILL BE REQUIRED NORTH OF NORTH R/W LINE.

dmg

MARK GOODWIN & ASSOCIATES, P.A.
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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **SANDIA SCIENCE & TECH PARK
SANDIA NATIONAL LAB OFFICE BUILDING
ONSITE UTILITY PLAN**

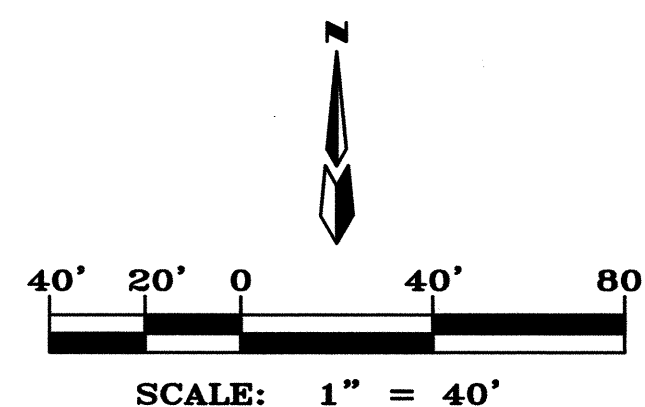
DESIGN REVIEW COMMITTEE
APPROVED
MAY 19 2006
DESIGN REVIEW COMMITTEE

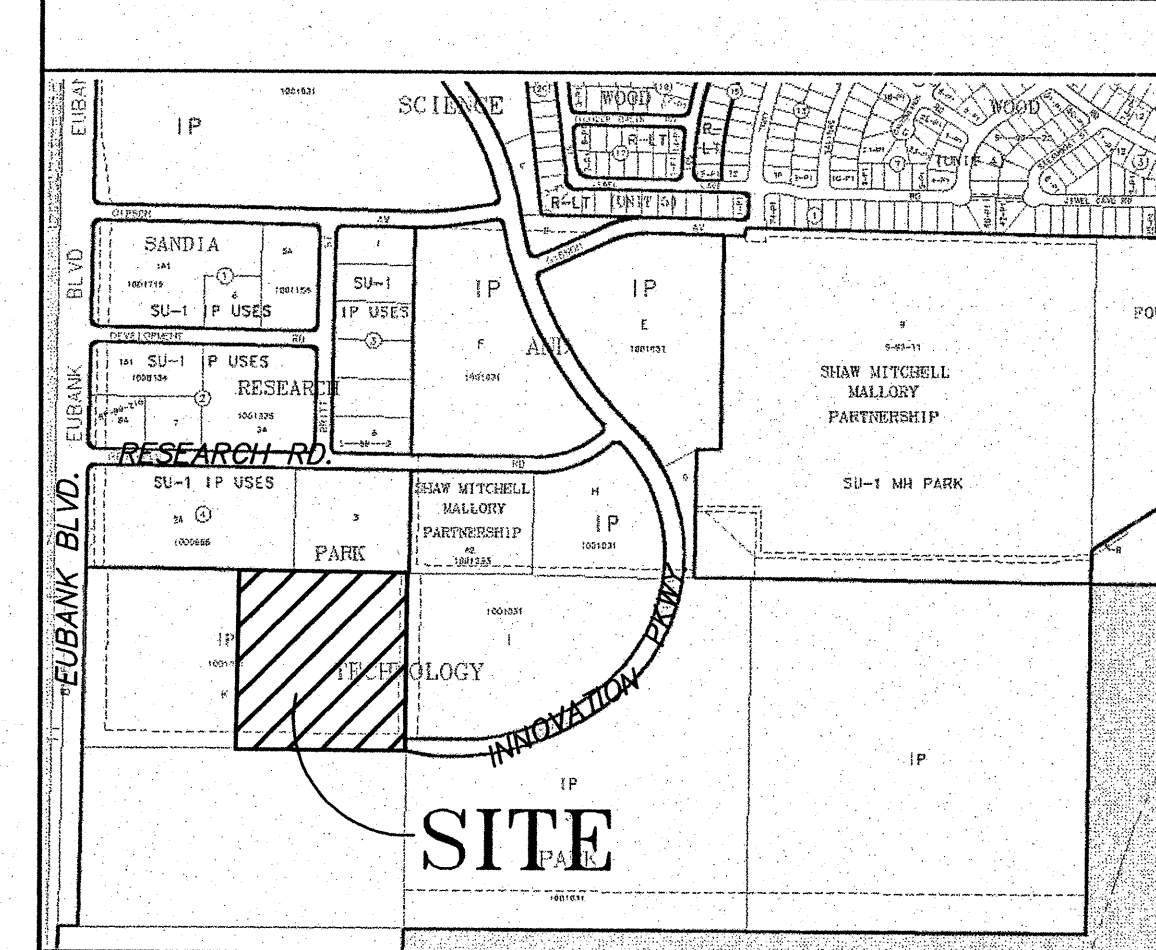
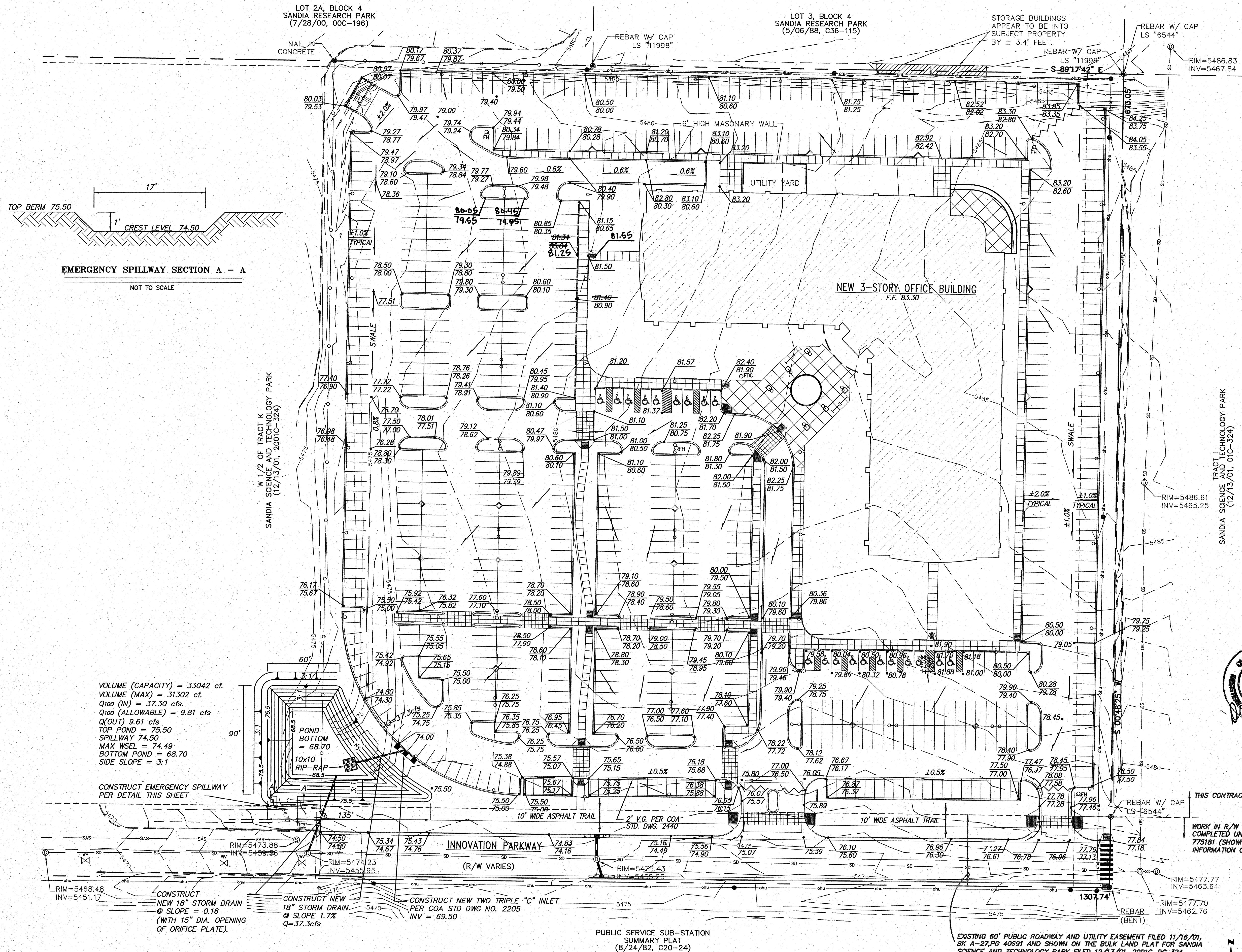
CITY ENGINEER APPROVAL
APPROVED
MAY 01 2007
CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR. MO./DAY/YR.
DESIGNED BY PTK DATE 10/05
DRAWN BY SLV DATE 10/05
CHECKED BY DLH DATE 10/05

CITY PROJECT NO. **775181** ZONE MAP NO. **M-21** SHEET **4** OF **7**





VICINITY MAP ZONE MAP: M-21

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT OF WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (1985 EDITION).
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT THE LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24 HOUR BASIS.

ACS BENCHMARK

ACS MONUMENT "7-120" HAVING AN ELEVATION OF 5468.798 FEET.

LEGAL DESCRIPTION

TRACT K, SANDIA SCIENCE AND TECHNOLOGY PARK, AS THE SAME IS SHOWN AND DESIGNATED ON THE MAP OF SAID ADDITION, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON DECEMBER 13, 2001, IN BK. 2001C, PAGE 324.

LEGEND

- 5450 — EXISTING CONTOUR MAJOR
- 5451 — EXISTING CONTOUR MINOR
- 100.00 / 100.00 • EXISTING SPOT ELEVATIONS
- — — EXISTING GUARDRAIL
- — — EXISTING CURB
- — — EXISTING OVERHEAD ELECTRIC
- — — PROPOSED CURB & GUTTER
- — — EXISTING EASEMENT
- — — PROPERTY LINE
- • • FOUND AS INDICATED
- • • WATER VALVE
- • • SANITARY SEWER MANHOLE
- • • STORM DRAIN MANHOLE
- • • FIRE HYDRANT
- • • OVERHEAD UTILITY LINES
- • • UTILITY POLE
- • • GUY WIRE
- • • CHAIN LINK FENCE
- • • EXISTING STORM DRAIN
- • • WATER BLOCK
- • • STREET LIGHT

SANDIA NATIONAL LAB OFFICE BLDG

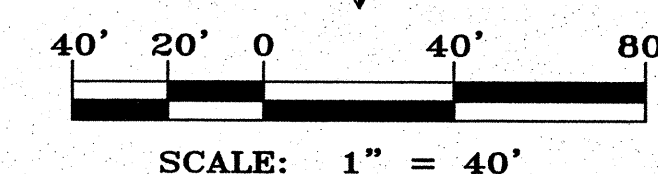
SANDIA SCIENCE & TECH PARK

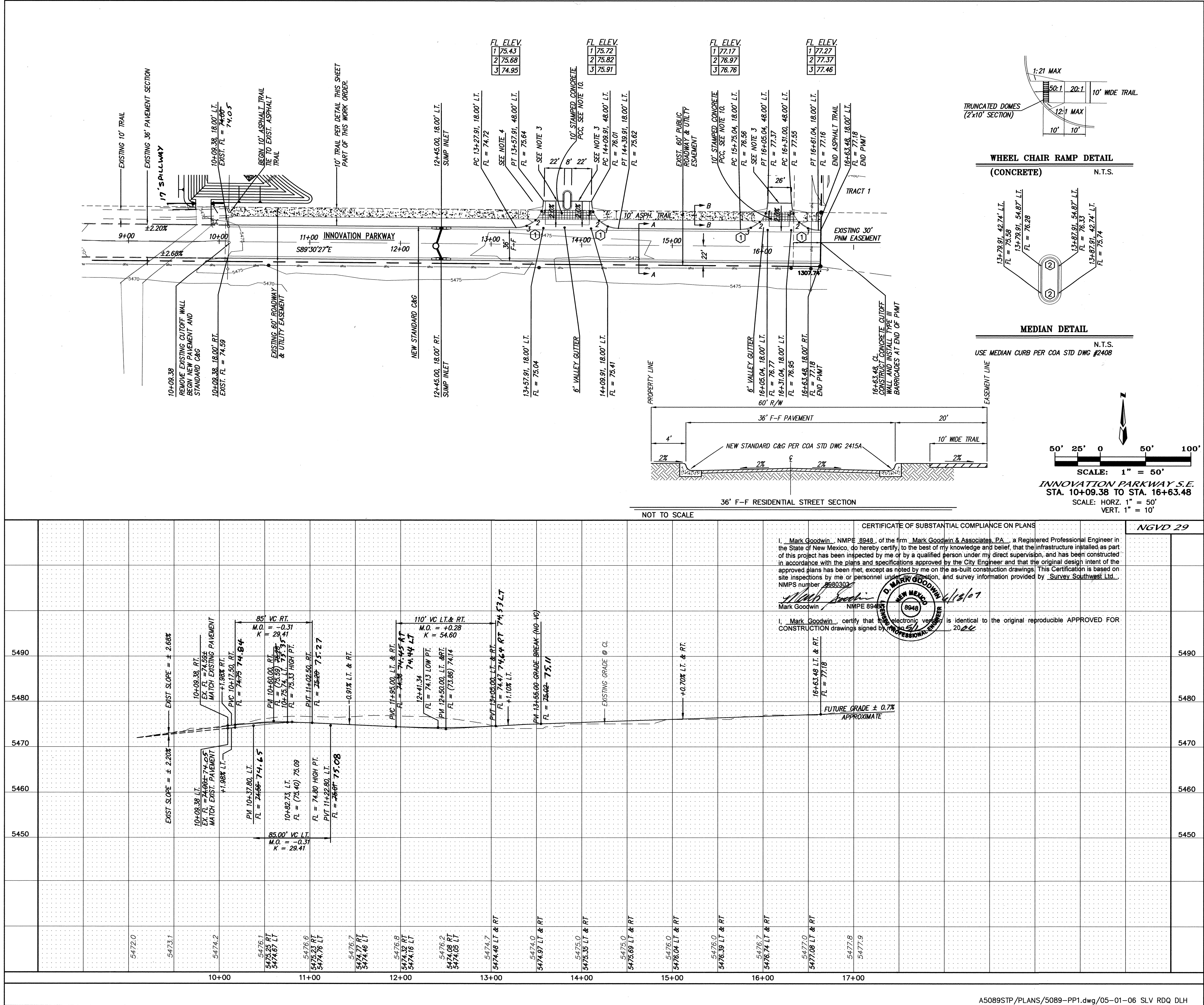
GRADING & DRAINAGE PLAN

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

775181

Drawn: SLV Checked: DMG
Date: 11-04-05 Job: A5089STP Sheet 5 of 7





NOTES

- ALL STATIONING IS BASED ON CENTERLINE OF 60' EASEMENT.
- INNOVATION PARKWAY IS A COLLECTOR.
- END CURB & GUTTER AND PAVEMENT HERE FOR THIS PROJECT.
- SIDEWALK TIE - NOT PART OF THIS PROJECT.
- ALL STANDARD CURB & GUTTER PER COA STD DWG 2415A.
- ALL MEDIAN CURB & GUTTER PER COA STD DWG 2415B.
- ALL WHEELCHAIR RAMPS ARE PER DETAIL THIS SHEET.
- ALL MEDIAN CURB SHALL BE PAINTED REFLECTORIZED YELLOW.
- ALL 6' VALLEY GUTTERS PER COA STD DWG 2420.
- 10' WIDE CROSS WALK SHALL CONSIST OF 8" REINFORCED PCC SIMILAR TO THE SPECIFICATIONS OUTLINED IN COA STD DWG 2422 FOR SPECIAL VALLEY GUTTERS BUT WITHOUT THE 3/4" INVERT.

CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 90^{\circ}00'00''$ $R = 30.00'$ $L = 47.12'$ $T = 30.00'$	② $\Delta = 180^{\circ}00'00''$ $R = 8.00'$ $L = 12.57'$ $T = N/A$
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PAVEMENT DESIGN NOTES:

- PAVEMENT SECTIONS SHOWN ON THIS SHEET ARE BASED ON R-VALUE OF 60 PER GEOTECHNICAL DATA PROVIDED WITH PAVEMENT DESIGN SUBMITTED TO DRC.
- PRIOR TO SUBGRADE PREP SOIL MUST BE TESTED FOR R-VALUE IN THREE LOCATIONS ALONG INNOVATION PARKWAY. IF THE R-VALUE IS LESS 60 MATERIAL MUST BE IMPORTED AND PLACED PER ALBUQUERQUE SPECIFICATIONS SECTION 301.3.3 (2' DEPTH).

PAVEMENT SECTION A-A

N.T.S.

TRAIL PAVEMENT SECTION B-B

N.T.S.

WHEEL CHAIR RAMP DETAIL

(CONCRETE) N.T.S.

MEDIAN DETAIL

N.T.S.

USE MEDIAN CURB PER COA STD DWG #2408

36' F-F RESIDENTIAL STREET SECTION

NOT TO SCALE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, 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 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 information provided by Survey Southwest Ltd., NMPS number 99803092.

I, Mark Goodwin, certify that this electronic version is identical to the original reproducible APPROVED FOR CONSTRUCTION drawings signed by me on 6/13/07.

Mark Goodwin, NMPE 8948

PAVEMENT SECTION A-A

N.T.S.

TRAIL PAVEMENT SECTION B-B

N.T.S.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

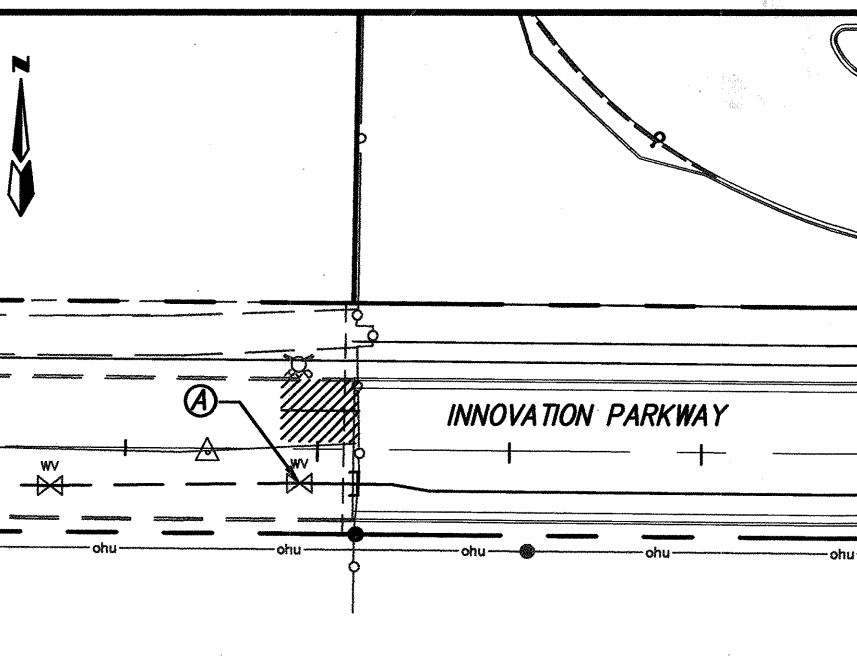
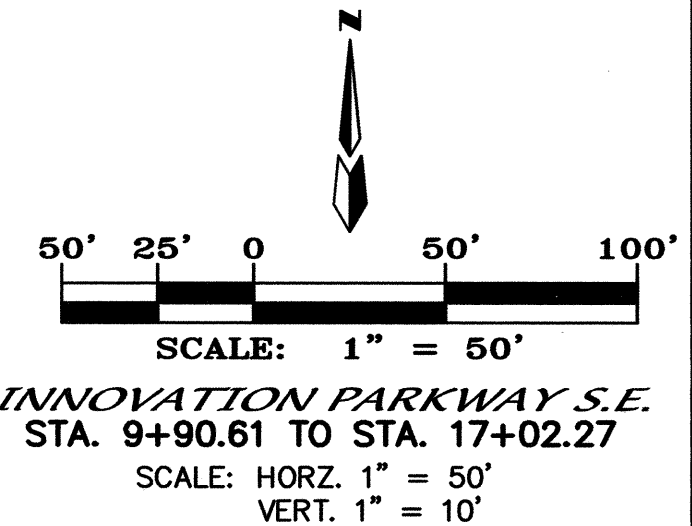
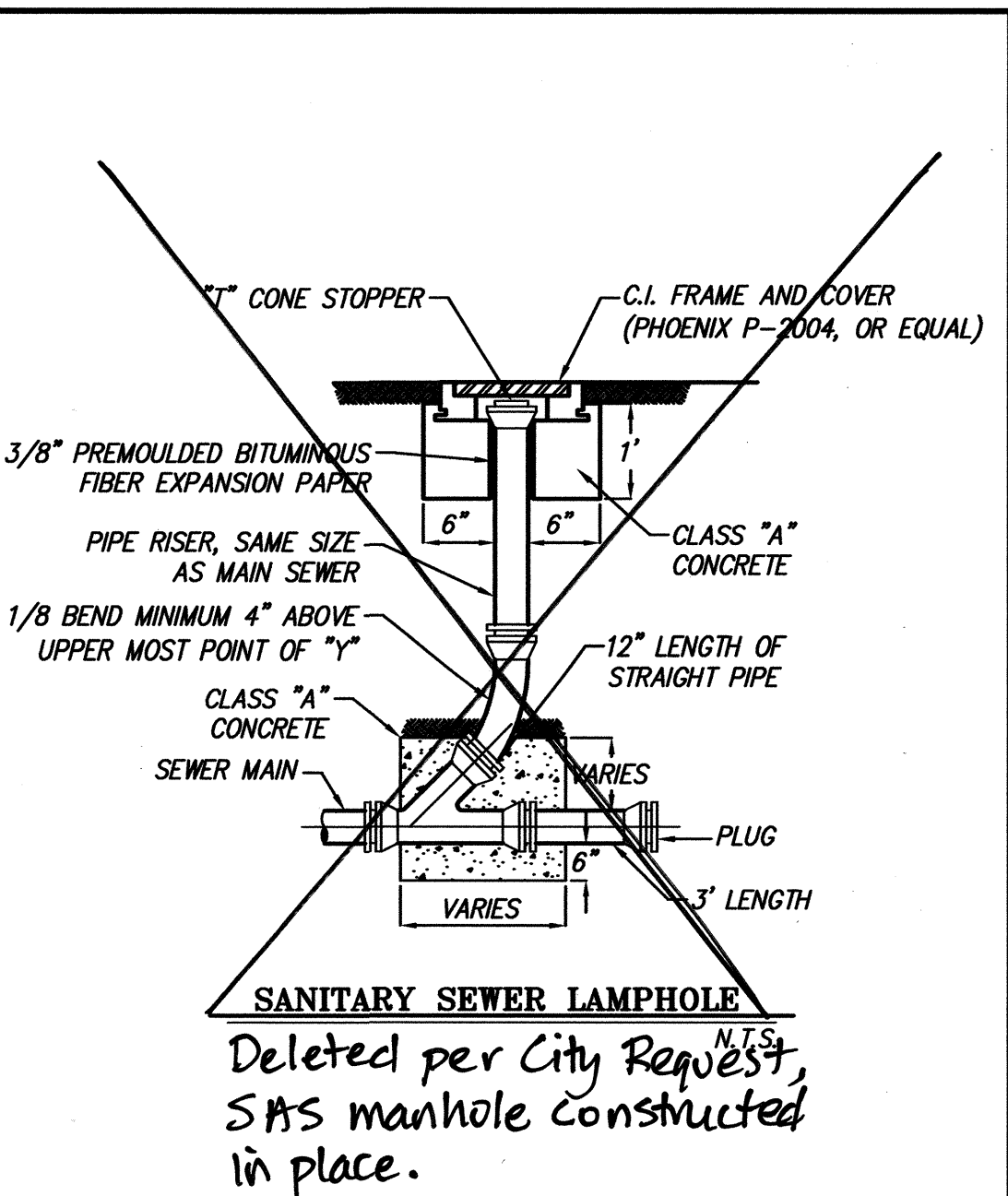
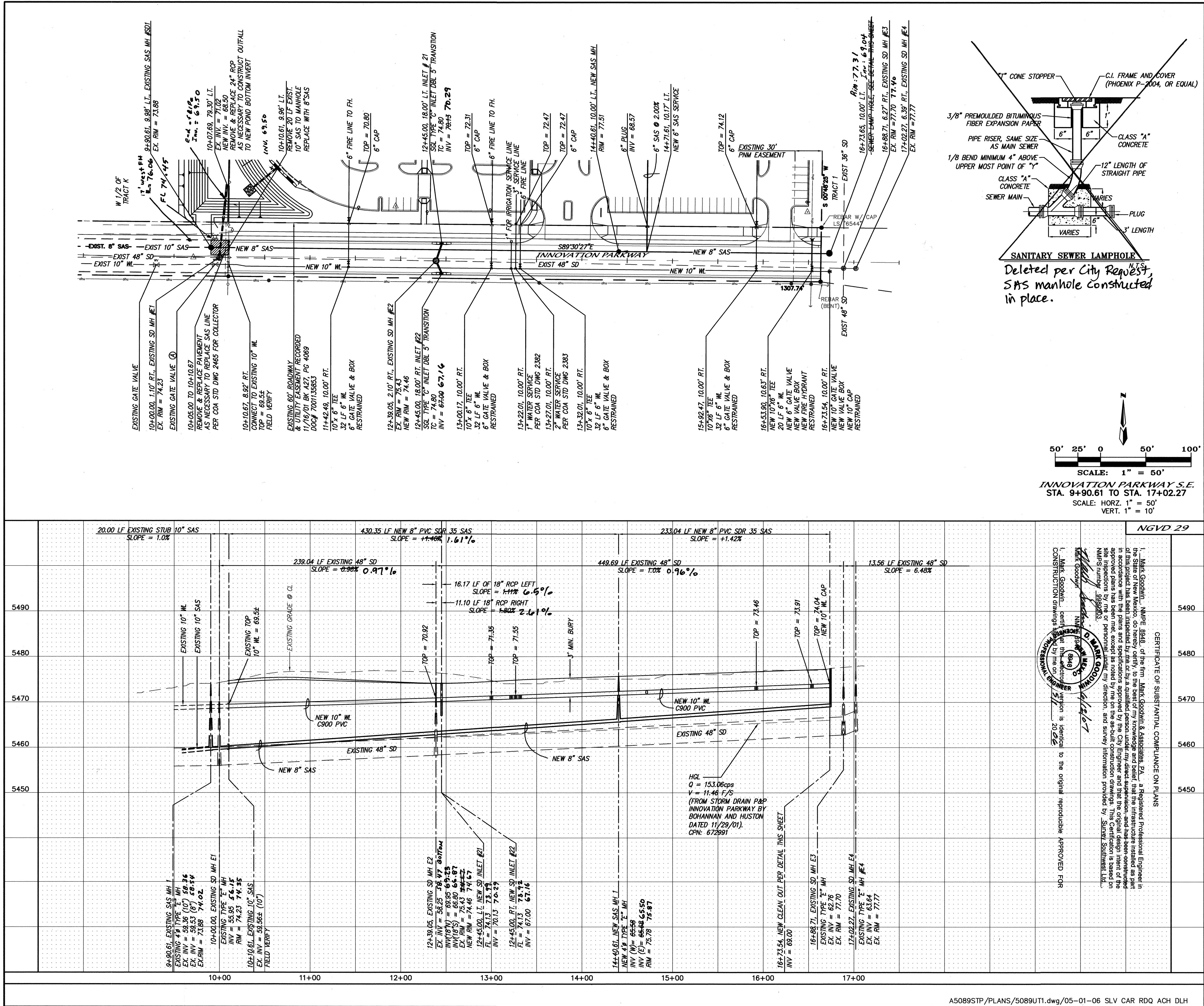
TITLE: SANDIA NATIONAL LAB OFFICE BUILDING INNOVATION PARKWAY S.E. PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE: MAY 19 2006

CITY ENGINEER APPROVAL: MAY 01 2007

LAST DESIGN UPDATE: MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 775181 ZONE MAP NO. M-21 SHEET 6 OF 7



- VALVE SHUT-OFF PLAN**
- CONTRACTOR WILL CONTRACT WATER SYSTEMS AT 857-8200 7 DAYS PRIOR TO NECESSARY SHUT-OFF.
 - VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
 - FOR CONNECTION OF NEW 10" WATER LINE TO EXISTING 10" WATER LINE STUB IN INNOVATION PARKWAY, SHUT VALVE A.

- NOTES**
- ALL STATIONS ARE BASED ON CENTERLINE.
 - GATE VALVE SHALL BE INSTALLED ACCORDING TO CITY STD. DWGS. 2326, 2328, AND 2461.
 - MANHOLES SHALL BE INSTALLED ACCORDING TO THE CITY STD. DWGS. 2101 AND 2102.
 - WATER METERS SHALL BE INSTALLED ACCORDING TO CITY STD. DWGS. 2362 AND 2363.
 - ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA-29 CFR 1926.650 SUBPART P.
 - ELECTRONIC MARKER DISKS (EMD'S) SHALL BE INSTALLED ON ALL WATER & SEWER FEATURES PER SPEC. SECTION 170.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	16'
10"	26'	11'	5'	3'	72'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDS OF THE 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
10"±10"±10"	15'	5'
10"±10"±6"	6'	1'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodman, N.M.P.E. 8948, of the firm Mark Goodman & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, 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 approved plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been followed. I have not observed any violations of the approved plans or specifications. This certification is based on the site inspections by me or personnel under my direction and survey information provided by Sanku Subhakar, Ltd., N.M.P.E. number 998003.

Mark Goodman
N.M.P.E. 8948
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
11867
11/16/07

to the original reproducible APPROVED FOR CONSTRUCTION drawings submitted by the on 11/16/07

dmg MARK GOODMAN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **SANDIA NATIONAL LAB OFFICE BUILDING
INNOVATION PARKWAY S.E.
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE
APPROVE
MAY 19 2006
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVE
MAY 01 2007
CITY ENGINEER

LAST DESIGN UPDATE

CITY PROJECT NO. **775181** ZONE MAP NO. **M-21** SHEET **7** OF **7**

DESIGNED BY **PTK** DATE **10-25-03**
DRAWN BY **SLV** DATE **10-25-03**
CHECKED BY **DLH** DATE **10-25-03**

REMARKS
REVISTIONS
DESIGN
NO. DATE

BY
DATE

NO. DATE

DATE

AS BUILT INFORMATION

CONTRACTOR
DATE
INSPECTED BY
DATE
ACCEPTANCE BY
DATE
VEGETATION BY
DATE
DRAWINGS
DATE
CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

FIELD NOTES

NO. BY DATE

ENGINEER'S SEAL

DATE HOELZER
NEW MEXICO
11867
11/16/07
LICENSED PROFESSIONAL ENGINEER
1106