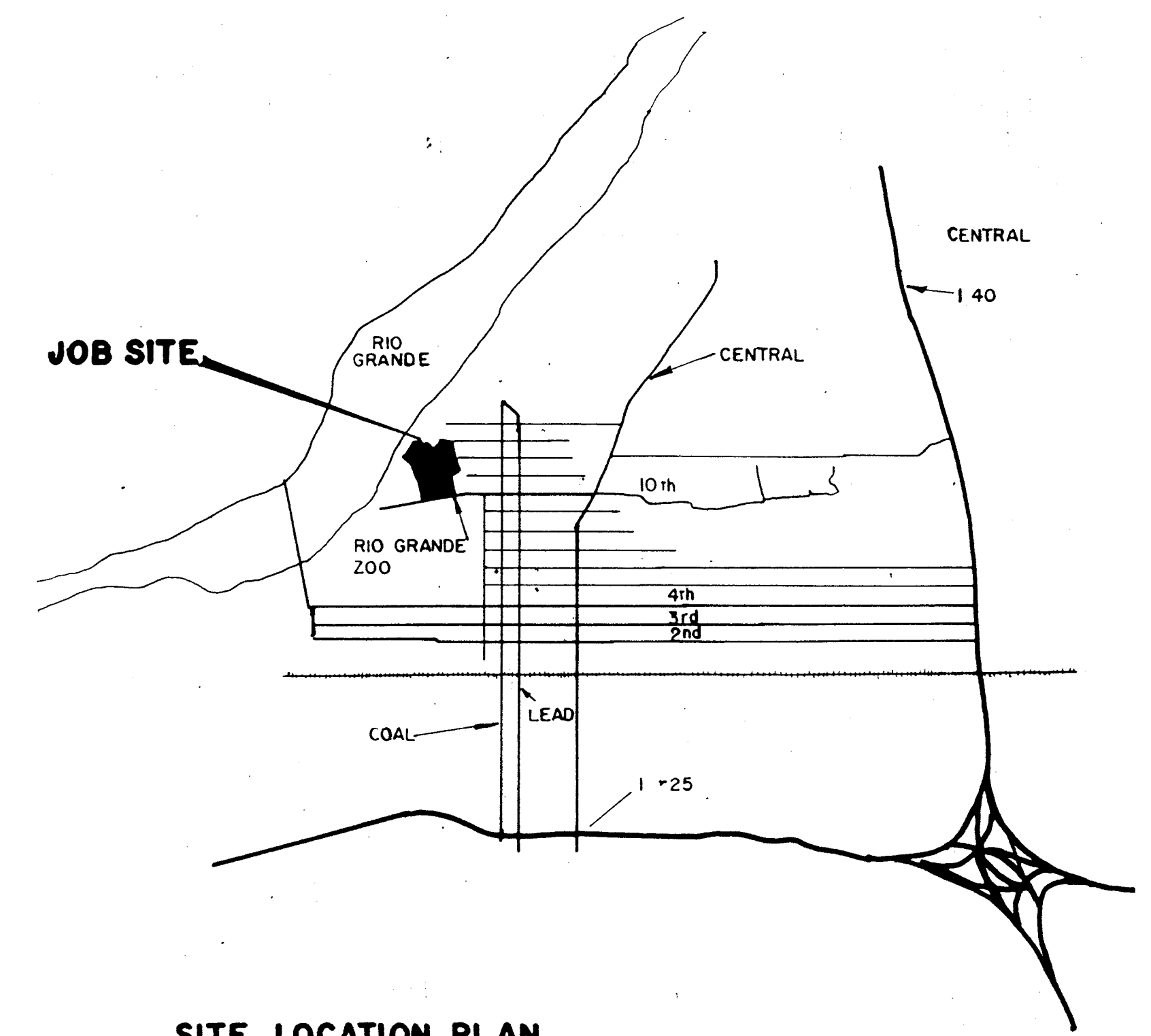


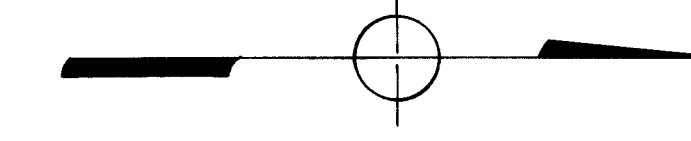


# RIO GRANDE ZOOLOGICAL PARK

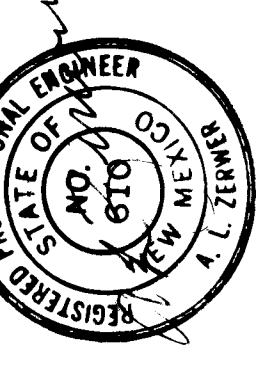
## ELECTRONIC SURVEILLANCE SYSTEM



SITE LOCATION PLAN



PROJECT No 1985



26 1985085

W. F. McManis  
10-17-85

I      S      H      E      E      T  
         N      D      E      X

ZERWER ENGINEERING, INC.  
2412 D MONROE, NE      (505) 884-6010  
ALBUQUERQUE,      NEW MEXICO

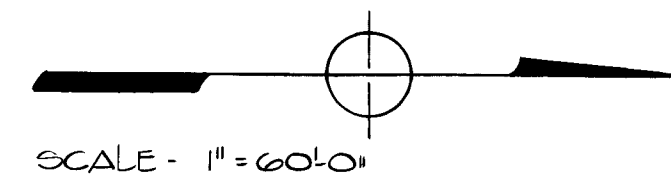
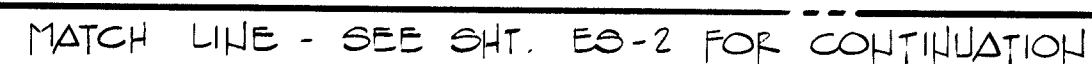
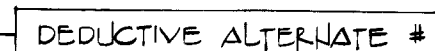
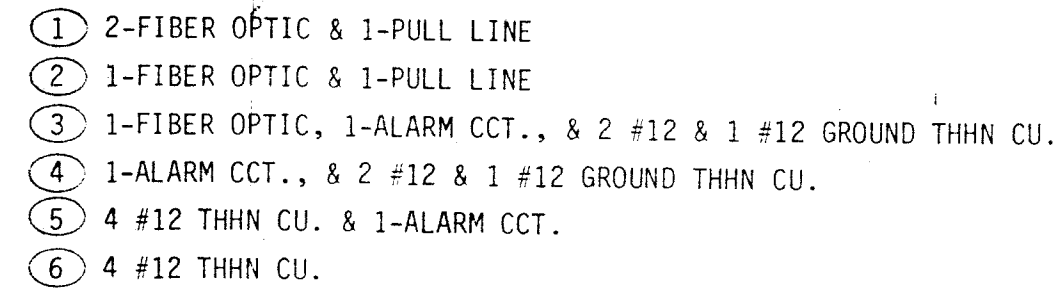
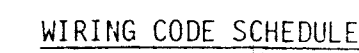
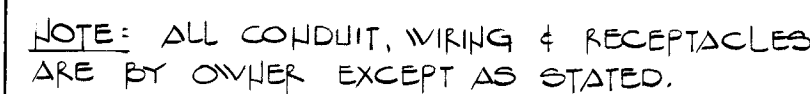
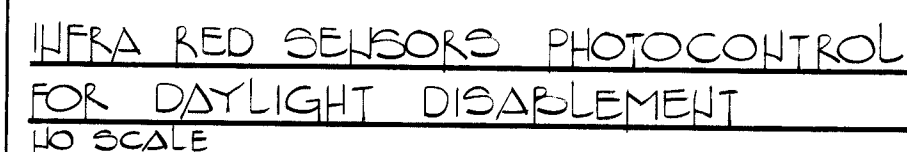
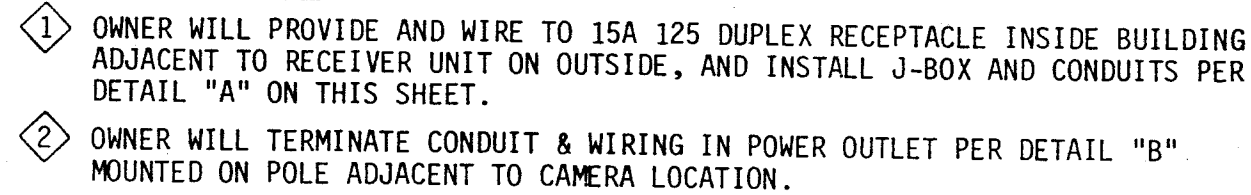
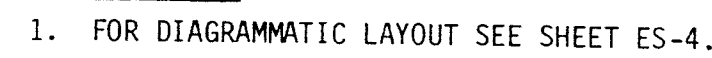
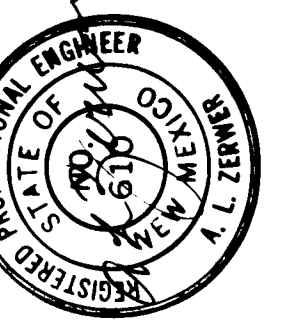
APPROVED FOR CONSTRUCTION  
*C. H. [Signature]* 5/10/85  
CITY ENGINEER

- ES-1 Site Plan - West Side; Symbols, and Details
- ES-2 Site Plan - Center Section
- ES-3 Site Plan - East Side
- ES-4 Diagrammatic Layout
- ES-5 Security Console Layout

1985

"AS-BUILT"  
AS PER INFORMATION  
SUPPLIED BY OTHERS

10-10-85

[illegible][illegible]

26 19850185

**"AS BUILT"**  
AS PER INFORMATION  
SUPPLIED BY OTHERS

10-10-85

CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION

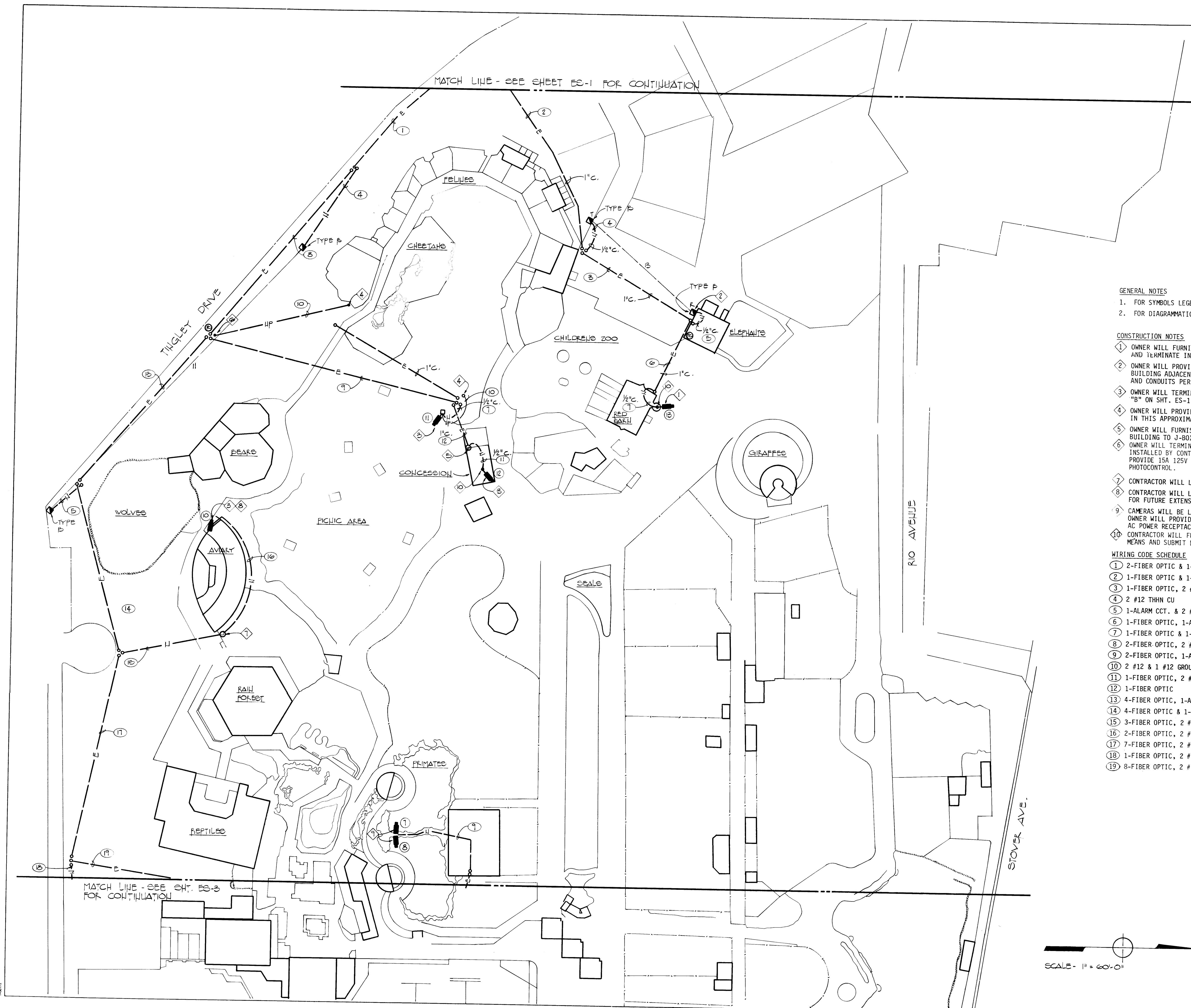
TITLE: RIO GRANDE ZOOLOGICAL PARK  
ELECTRONIC SURVEILLANCE SYSTEM  
SITE PLAN - WEST SIDE; SYMBOLS & DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C.A. Chapman</i>	<i>12/1/68</i>	Liquid Waste		
A C E - Design			Traffic	<i>N.A.</i>	
A C E - Hydrology	<i>N.A.</i>		Water		

DRAWING NO.	ES-1	MAP NO. K-13	SHEET 1	OF 5
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PROJECT 7 of 1985

1985



GENERAL NOTES  
1. FOR SYMBOLS LEGEND & DETAILS SEE SHT. ES-1  
2. FOR DIAGRAMMATIC LAYOUT SEE SHT. ES-4.

- CONSTRUCTION NOTES
- 1. OWNER WILL FURNISH SEPARATE 120 VOLT AC POWER AT CAMERA LOCATION AND TERMINATE IN A POWER OUTLET PER DETAIL "B" ON SHT. ES-1.
  - 2. OWNER WILL PROVIDE AND WIRE TO 15A 125 DUPLEX RECEPTACLE INSIDE BUILDING ADJACENT TO RECEIVER UNIT ON OUTSIDE, AND INSTALL J-BOX AND CONDUITS PER DETAIL "C" ON SHEET ES-1.
  - 3. OWNER WILL TERMINATE CONDUIT & WIRING IN POWER OUTLET PER DETAIL "B" ON SHT. ES-1 MOUNTED ON POLE ADJACENT TO CAMERA LOCATION.
  - 4. OWNER WILL PROVIDE 120 VOLT 15 AMP CIRCUIT FROM POWER EQUIPMENT IN THIS APPROXIMATE LOCATION.
  - 5. OWNER WILL FURNISH SEPARATE 15A 120 VOLT CIRCUIT FROM WITHIN BUILDING TO J-BOX.
  - 6. OWNER WILL TERMINATE POWER CIRCUIT IN PHOTOCONTROL FURNISHED AND INSTALLED BY CONTRACTOR IN SIDE OF NEW PEDESTAL UNIT AND WILL PROVIDE 15A 125V DUPLEX RECEPTACLE INSIDE PEDESTAL AND WIRING FROM PHOTOCONTROL.
  - 7. CONTRACTOR WILL LEAVE ONE FIBER OPTIC IN J-BOX FOR FUTURE EXTENSION.
  - 8. CONTRACTOR WILL LEAVE ONE FIBER OPTIC IN OWNER FURNISHED POWER OUTLET FOR FUTURE EXTENSION.
  - 9. CAMERAS WILL BE LOCATED INSIDE ELEVATED TUNNEL BETWEEN PRIMATE EXHIBITS. OWNER WILL PROVIDE CAMERA VIEWING HOLES THROUGH SIDE WALLS AND 120 VOLT AC POWER RECEPTACLES LOCAL TO BOTH CAMERAS. CONTR TO FURNISH CAMERA MFG. DETAILS.
  - 10. CONTRACTOR WILL FURNISH AND INSTALL CAMERA & MOUNT SUPPORTING MEANS AND SUBMIT DETAILS TO ENGINEER FOR APPROVAL.

- WIRING CODE SCHEDULE
- 1 2-FIBER OPTIC & 1-PULL LINE
  - 2 1-FIBER OPTIC & 1-PULL LINE
  - 3 1-FIBER OPTIC, 2 #12 THHN CU & 1-PULL LINE
  - 4 2 #12 THHN CU
  - 5 1-ALARM CCT. & 2 #12 THHN CU
  - 6 1-FIBER OPTIC, 1-ALARM CCT & 1-PULL LINE
  - 7 1-FIBER OPTIC & 1-ALARM CCT.
  - 8 2-FIBER OPTIC, 2 #12 THHN CU & 1-PULL LINE
  - 9 2-FIBER OPTIC, 1-ALARM CCT. & 1-PULL LINE
  - 10 2 #12 & 1 #12 GROUND THHN CU (OWNER FURNISHED)
  - 11 1-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU.
  - 12 1-FIBER OPTIC
  - 13 4-FIBER OPTIC, 1-ALARM CCT, 2 #12 THHN CU. & 1-PULL LINE
  - 14 4-FIBER OPTIC & 1-PULL WIRE
  - 15 3-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU. & 1-PULL LINE
  - 16 2-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU. & 1-PULL LINE
  - 17 7-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU. & 1-PULL LINE
  - 18 1-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU. & 1-PULL LINE
  - 19 8-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU. & 1-PULL LINE

26 19850285

"AS-BUILT"  
AS PER INFORMATION  
SUPPLIED BY OTHERS  
10-10-85

CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION

TITLE: RIO GRANDE ZOOLOGICAL PARK  
ELECTRONIC SURVEILLANCE SYSTEM  
SITE PLAN - CENTER SECTION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C. J. [Signature]</i>	9/1/85	Liquid Waste		
A C E - Design			Traffic	<i>N.A.</i>	
A C E - Hydrology			Water		

DRAWING NO.	ES-2	MAP NO.	K-13	SHEET	2	OF	5
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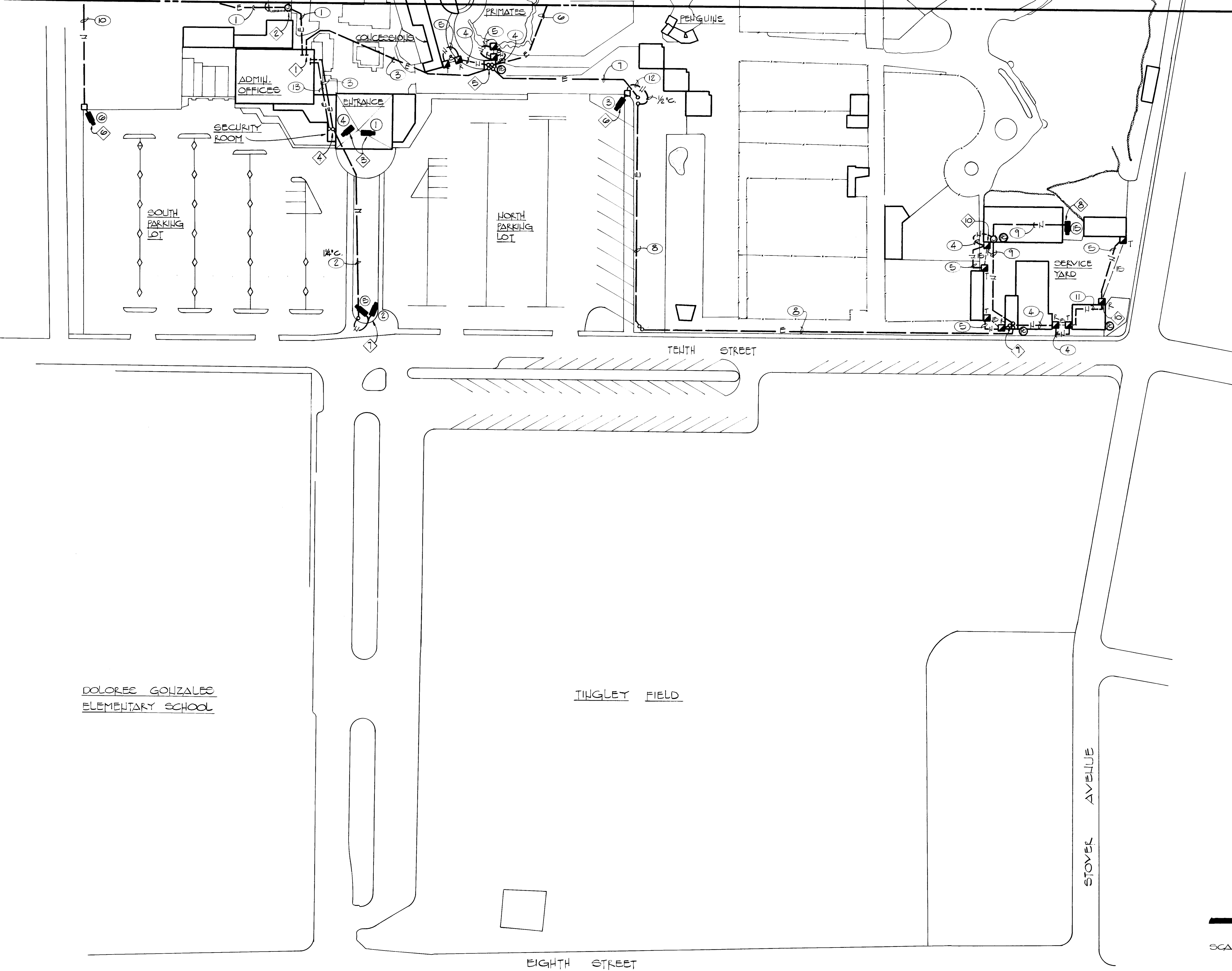
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK											
INSPECTOR'S											
APPROVAL BY											
FIELD											
ADJUSTMENT BY											
VERIFICATION BY											
CORRECTED BY											
MICRO-FILM											
INFORMATION											
RECORDED BY											
NO											

PROJECT NO. 1985

1985



MATCH LINE- SEE SHEET ES-2  
FOR CONTINUATION



- GENERAL NOTES
1. FOR SYMBOLS LEGEND & DETAILS, SEE SHT. ES-1.
  2. FOR DIAGRAMMATIC LAYOUT, SEE SHT. ES-4.
  3. FOR SECURITY CONSOLE LAYOUT, SEE SHT. ES-5.

- CONSTRUCTION NOTES
- 1 TELEPHONE ROOM FOR CONDUIT REARRANGEMENT BY OWNER SEE DETAIL "D" ON SHT. ES-1.
  - 2 EXISTING JUNCTION BOX ON WALL.
  - 3 CONTRACTOR WILL FURNISH AND INSTALL CAMERA & MOUNT SUPPORTING MEANS AND SUBMIT DETAILS TO ENGINEER FOR APPROVAL. OWNER WILL FURNISH 120V AC POWER AND 3/4" CONDUIT BACK TO SECURITY ROOM.
  - 4 EXISTING CONDUITS STUBBED UP ON WEST WALL OF SECURITY OFFICE RIGHT OF THE DOOR. OWNER WILL FUR AROUND FROM FLOOR TO CEILING AND PROVIDE TWO 2" CONDUITS ON WALL STARTING 24" ABOVE EXISTING CONDUITS, THROUGH SUSPENDED CEILING VOID AND STUBBED DOWN AT SECURITY CONSOLE ON NORTH WALL PER SHT. ES-5. THE 1 1/4" CONDUIT TO CAMERAS #2 & 5 WILL HAVE A J-BOX INSTALLED AT THE STUB UP WITH POWER CIRCUIT CONDUCTORS ROUTED IN 1/2" CONDUIT TO NEW C.B. IN THE PANELBOARD ON SOUTH WALL. FURRED OUT SECTION WILL HAVE 24" HIGH REMOVABLE ACCESS PANEL AT EXISTING STUB UPS.
  - 5 OWNER WILL PROVIDE 120 VOLT 15 AMP CIRCUIT FROM POWER EQUIPMENT IN THIS LOCATION AND TERMINATE IN PHOTO CONTROL BY CONTRACTOR IN SIDE OF NEW PEDESTAL UNIT AND WILL PROVIDE A SPLIT-WIRED 15A 125 VOLT DUPLEX RECEPTACLE INSIDE PEDESTAL UNIT. THE POWER CIRCUIT WILL ALSO BE TERMINATED BY THE OWNER IN THE BACK OF THE TOP OUTLET OF THE RECEPTACLE WITH THE POWER WIRING TO CAMERA #3. OWNER WILL ALSO PROVIDE WIRING FROM PHOTOCONTROL TO BOTTOM OUTLET OF RECEPTACLE FOR CONTRACTOR FURNISHED PLUG-IN TRANSFORMER FOR INFRARED SENSOR UNITS TO SOUTH & WEST.
  - 6 OWNER WILL TERMINATE CONDUIT & WIRING IN POWER OUTLET PER DETAIL "B" ON SHT. ES-1 MOUNTED ON POLE ADJACENT TO CAMERA LOCATION.
  - 7 CAMERAS WILL BE MOUNTED ON SQUARE SECTION POSTS FURNISHED BY OWNER BEHIND ZOO SIGN. OWNER WILL TERMINATE CONDUIT & WIRING IN POWER OUTLETS PER DETAIL "B" ON SHT. ES-1 MOUNTED ON POSTS ADJACENT TO CAMERA LOCATIONS.
  - 8 OWNER WILL FURNISH SEPARATE 15A 120 VOLT CIRCUIT FROM WITHIN BUILDING AND TERMINATE IN POWER OUTLET PER DETAIL "B" ON SHT. ES-1 ADJACENT TO CAMERA LOCATION.
  - 9 OWNER WILL PROVIDE AND WIRE TO 15A 125 DUPLEX RECEPTACLE INSIDE BUILDING ADJACENT TO RECEIVER UNIT ON OUTSIDE, AND INSTALL J-BOX AND CONDUITS PER DETAIL "A" ON SHT. ES-1.
  - 10 OWNER WILL PROVIDE AND WIRE TO 15A 125 DUPLEX RECEPTACLE INSIDE BUILDING ADJACENT TO RECEIVER UNIT ON OUTSIDE, AND INSTALL J-BOX AND CONDUITS PER DETAIL "C" ON SHEET ES-1.

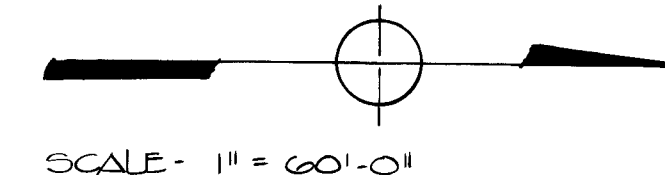
- WIRING CODE SCHEDULE
- 1 8-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU & 1-PULL LINE
  - 2 2-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU.
  - 3 4-FIBER OPTIC & 1-PULL LINE
  - 4 1-ALARM CCT & 2 #12 THHN CU.- 1/2" C.
  - 5 2 #12 THHN CU - 1/2" C.
  - 6 2-FIBER OPTIC, 1-ALARM CCT & 1-PULL LINE
  - 7 2-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU & 1-PULL LINE
  - 8 1-FIBER OPTIC & 1-PULL LINE
  - 9 1-FIBER OPTIC, 1-ALARM CCT & 1-PULL LINE
  - 10 1-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU & 1-PULL LINE
  - 11 1-ALARM CCT -1/2" C.
  - 12 1-FIBER OPTIC, 2 #12 & 1 #12 GROUND THHN CU.
  - 13 8-FIBER OPTIC & 1-PULL LINE.

DOLORES GONZALES  
ELEMENTARY SCHOOL

TINGLEY FIELD

STOVEL AVENUE

EIGHTH STREET



26 19850385  
"AS BUILT"  
AS PER INFORMATION  
SUPPLIED BY OTHERS  
10-10-85

CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION

TITLE: RIO GRANDE ZOOLOGICAL PARK  
ELECTRONIC SURVEILLANCE SYSTEM  
SITE PLAN - EAST SIDE

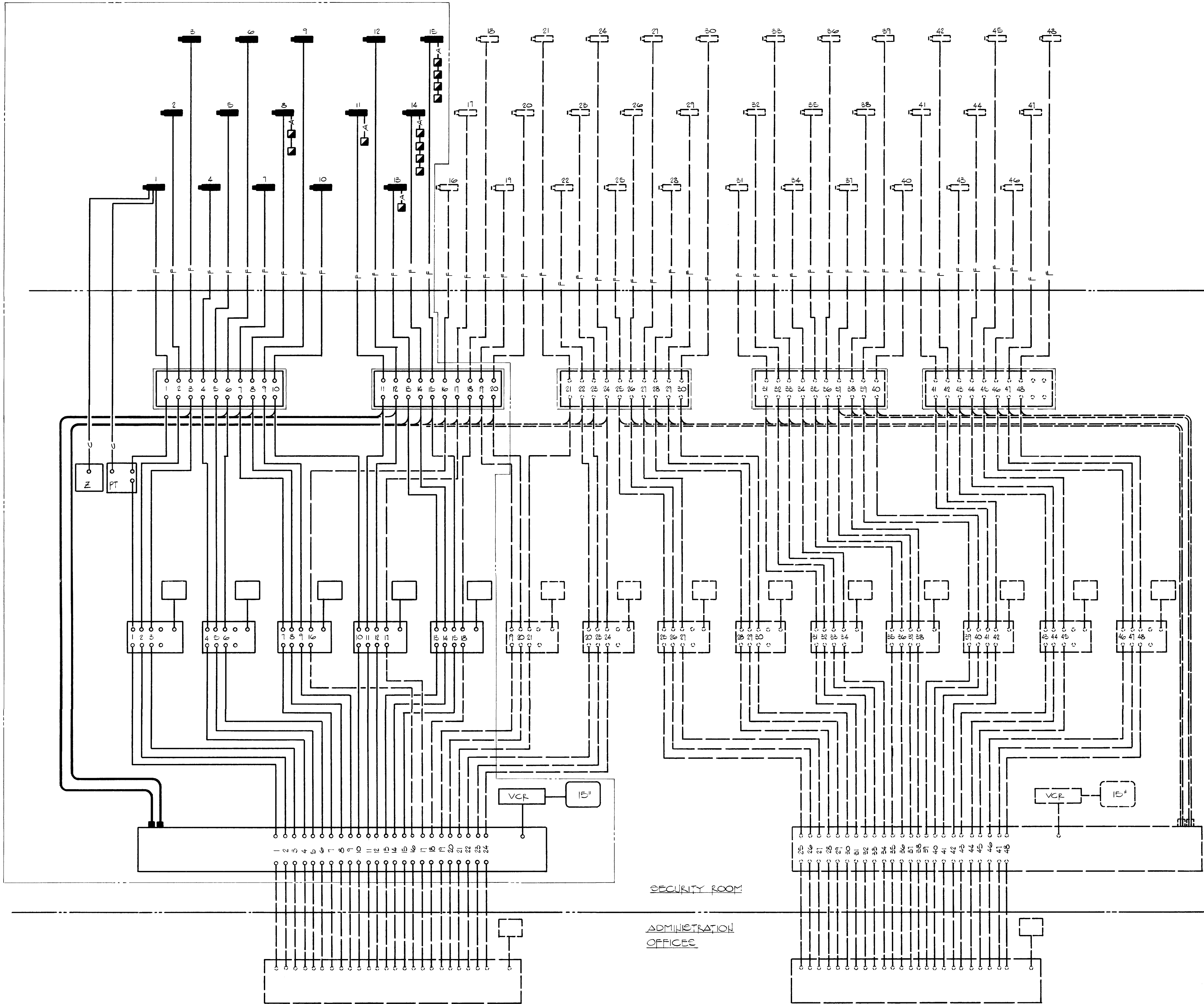
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	12/21/85	Liquid Waste		
A.C.E. - Design	<i>N.A.</i>		Traffic	<i>N.A.</i>	
A.C.E. - Hydrology			Water		

DRAWING NO.	ES-2	MAP NO.	K-13	SHEET	3	OF	5
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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR		NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK BY											
DATE											
ACCEPTANCE BY											
DATE											
FIELD											
DATE											
CORRECTED BY											
DATE											
RECORDED BY											
DATE											

PROJECT # 1985

1985



SYMBOLS

- CAMERA
- INFRA RED SENSOR
- MONITOR (9" UON)
- VCR
- SWITCHER
- FIBER OPTIC MODULE
- PAN & TILT CONTROL
- ZOOM LENS CONTROL
- ALARM INPUT WIRING
- FIBER OPTIC CABLE
- CO-AXIAL CABLE
- CONTROL CABLE
- ALARM CCT. WIRING
- PHASE I WORK

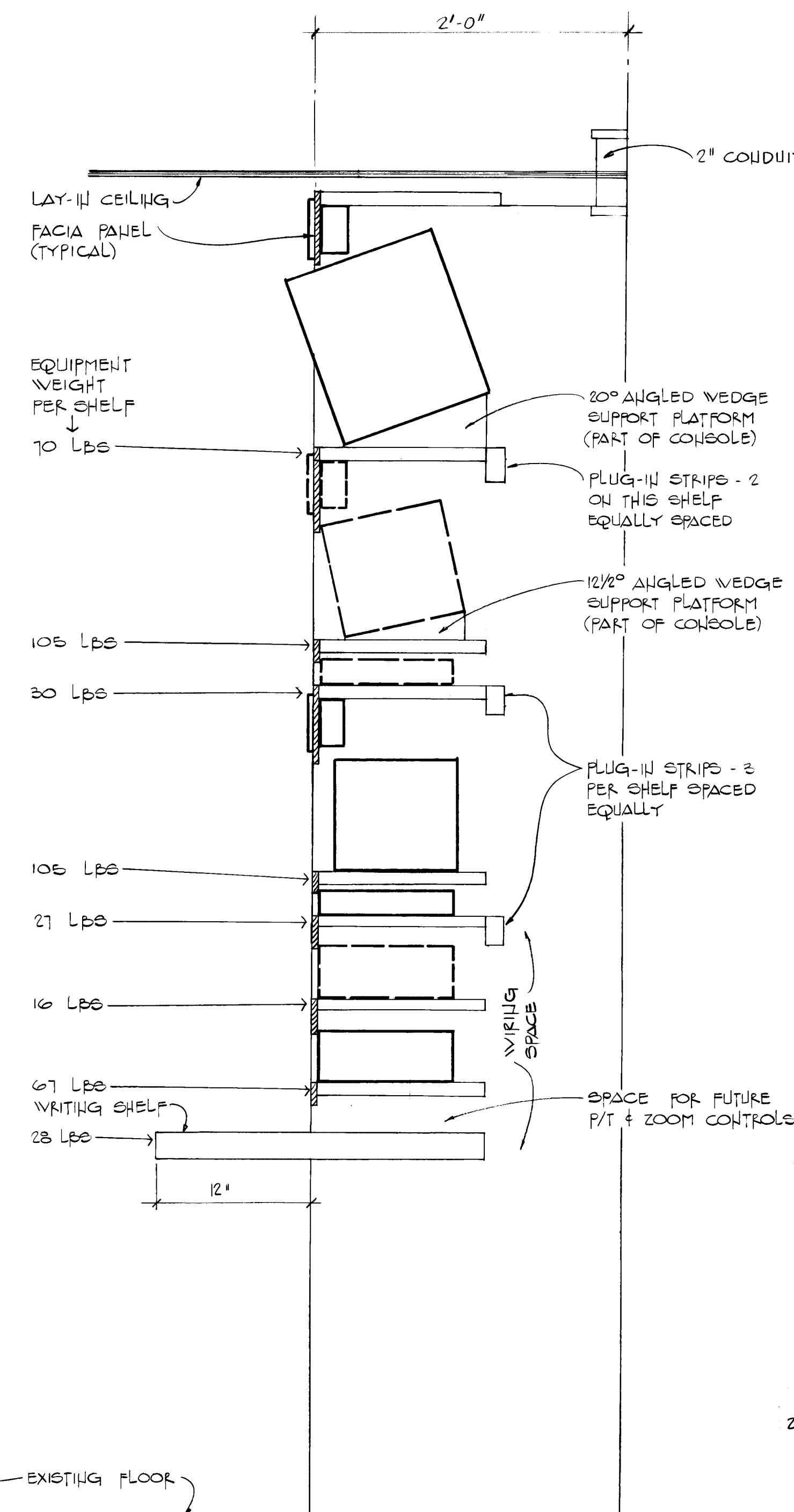
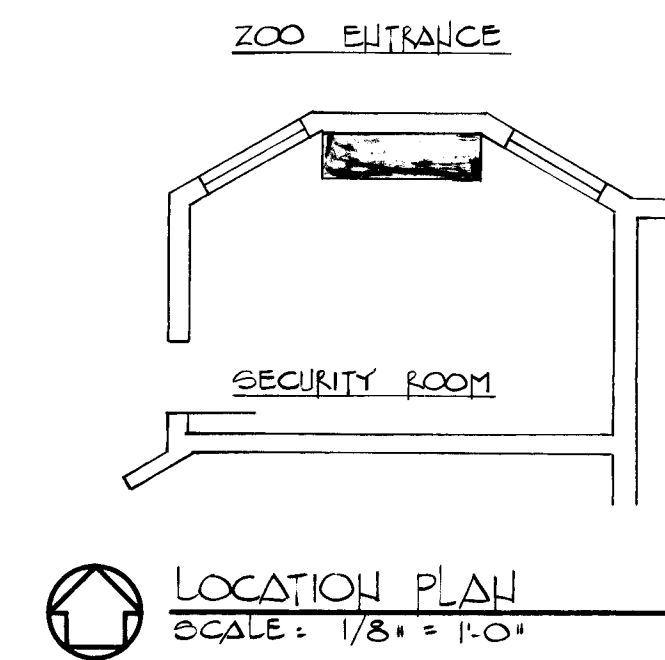
NOTES  
1. ALL FUTURE WORK IS SHOWN DOTTED.  
2. EXCEPT FOR CAMERAS AND SENSORS ALL EQUIPMENT SHOWN IS LOCATED IN THE SECURITY ROOM CONSOLE, UON.

26 19850485  
"AS-BUILT"  
AS PER INFORMATION  
SUPPLIED BY OTHERS  
10-10-85

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: RIO GRANDE ZOOLOGICAL PARK ELECTRONIC SURVEILLANCE SYSTEM DIAGRAMMATIC LAYOUT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C. J. [Signature]</i>	<i>12/21/85</i>	Liquid Waste		
A C E - Design	<i>N.A.</i>		Traffic	<i>N.A.</i>	
A C E - Hydrology			Water		
DRAWING NO.	ES-4	MAP NO.	K-13	SHEET	4 OF 5

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	DATE	INSPECTOR'S	DATE	NO.	BY	NO.	BY		
STARTED BY	DATE	FIELD	DATE						
FIELD	DATE	VERIFICATION BY	DATE						
RECORDED BY	DATE								

PROJECT 149 1985



SECTION "A-A"  
SCALE - 1/8 TH FULL SIZE

“AS-BUILT”  
AS PER INFORMATION  
SUPPLIED BY OTHERS  
10-10-85

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CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
ENGINEERING DIVISION

TITLE: RIO GRANDE ZOOLOGICAL PARK  
ELECTRONIC SURVEILLANCE SYSTEM  
SECURITY CONSOLE LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C. H. [Signature]</i>	<i>2/1/08</i>	Liquid Waste		
A C E - Design	<i>NA</i>		Traffic	<i>NA</i>	
A C E -Hydrology			Water		

DRAWING NO.	ES-5	MAP NO.	K-13	SHEET	5	OF	5
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1985

PROJECT #: 1985