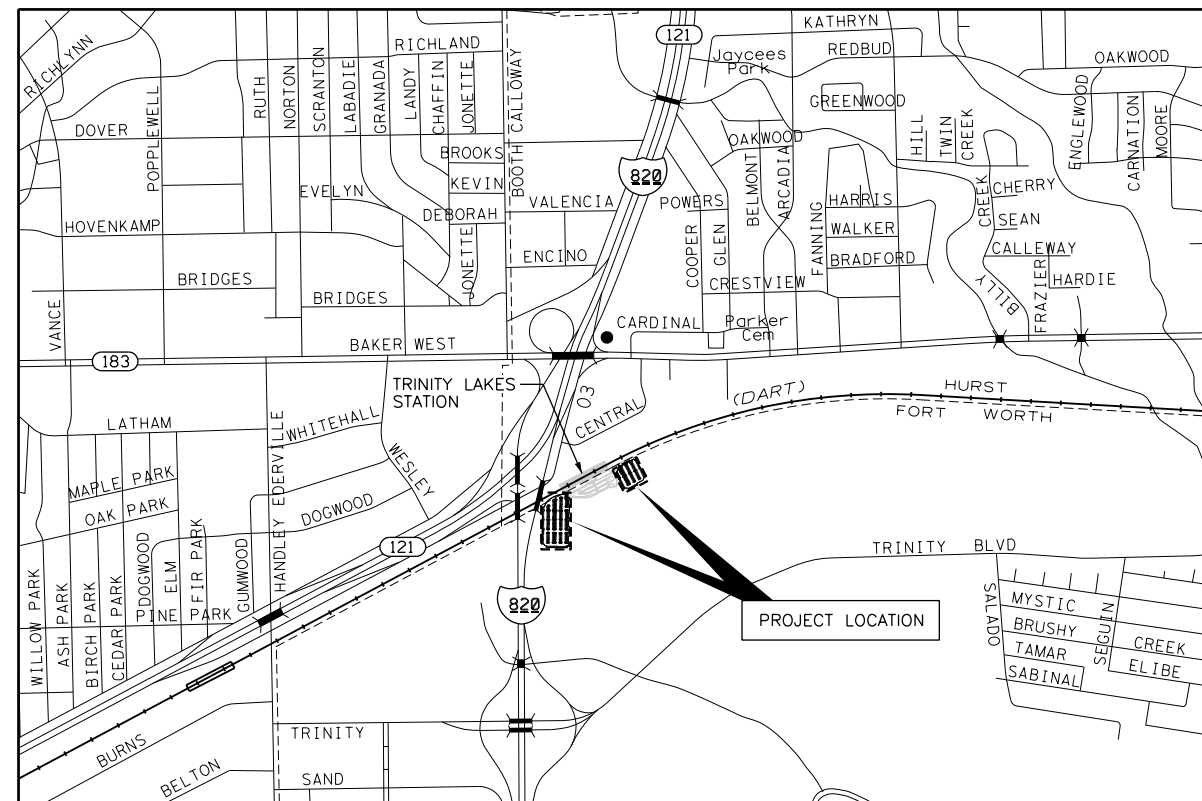


TRINITY RAILWAY EXPRESS

TRINITY LAKES PARKING LOT

CONTRACT NO. 23-026



LOCATION MAP



MARCH 2023

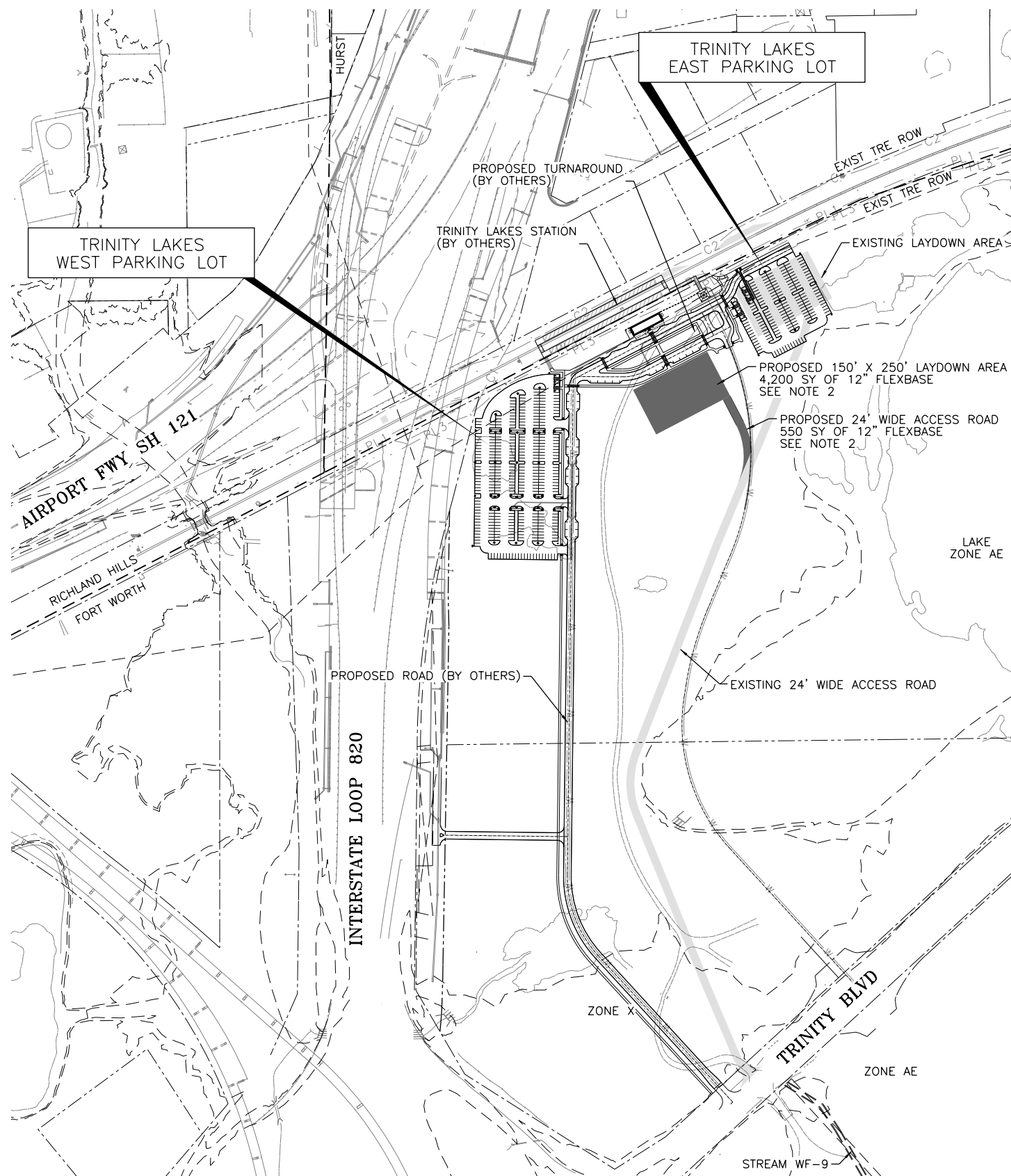
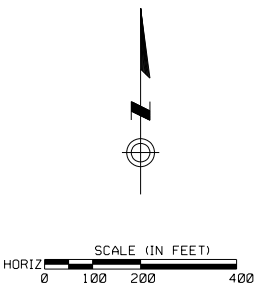
IFB SUBMITTAL



TRANSYSTEMS CORPORATION
CONSULTANTS - F-3557
500 W. SEVENTH STREET
SUITE 1100
FT. WORTH, TX 76102
PHONE: (817) 339-8950

SHEET INDEX

SHEET NO.	DRAWING NO.	TITLE
GENERAL DRAWINGS		
1	G-101	COVER SHEET
2	G-102	INDEX OF SHEETS
SECURITY DRAWINGS		
3	SEC-001	SECURITY LEGEND & ABBREVIATIONS
4	SEC-002	SECURITY GENERAL NOTES
5	SEC-100	SECURITY INDEX SHEET
6	SEC-101	SECURITY LAYOUT SHEET 1 OF 3
7	SEC-102	SECURITY LAYOUT SHEET 2 OF 3
8	SEC-103	SECURITY LAYOUT SHEET 3 OF 3
9	SEC-201	SECURITY DETAILS
10	SEC-202	SECURITY CAMERA SCHEDULE



ACCESS ROAD & LAYDOWN AREA NOTES

1. THE ACCESS ROAD & LAYDOWN AREA SHALL BE ABLE TO SUPPORT 12,500 LB WHEEL LOADINGS.
2. THE ACCESS ROAD & LAYDOWN AREA MATERIALS SHALL COMPLY WITH TXDOT ITEM 247, TYPE D, GRADE 1. PRIOR TO PLACING THE FLEX BASE, THE SUBGRADE SHOULD BE PROOFROLLED. AFTER PROOFROLLING, THE UPPER EIGHT (8) INCHES OF PAVEMENT SUBGRADE SHOULD BE SCARIFIED AND COMPACTED PRIOR TO PLACING FLEX BASE. THE UPPER EIGHT (8) INCHES OF THE SUBGRADE SOILS SHOULD BE COMPACTED AT -1% TO +2% OF OPTIMUM MOISTURE TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY (ASTM 698). THE FLEX BASE SHOULD BE COMPACTED AND TESTED IN TWO 6-INCH LIFTS AT OPTIMUM TO +2% ABOVE OPTIMUM TO A MINIMUM OF 100% STANDARD PROCTOR DENSITY (ASTM 698).
3. ACCESS ROAD & LAYDOWN AREA GRADE SHALL MATCH THE EXISTING GRADE OF THE PROJECT SITE.

USER: beshimanek TIME: 01:28:47 PM SCALE: 1"=200' PENTABLE: SPENTRIL.SS FILE: pw:\hqp\pw\in\01.o.e.tronsyscorp.com\tronsyscorp\Projects\2018\FW202 - Fort Worth\202180102 - Trinity Lakes Park and Ride Final Design\150.00 - General\G-GEN-101 Index of Sheets Parking Lot

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



500 W. 7th ST. SUITE 1100
 FORT WORTH, TX 76102
 (817) 339-8950
 FIRM REG. #: 3557



SCALE	1" = 200'
DRAWN	BES
DESIGNED	BES
CHECKED	CGG
IN CHARGE	BES
DATE	3/30/2023

**TRINITY LAKES
 PARKING LOT
 INDEX OF SHEETS &
 CONSTRUCTION ACCESS PLAN**

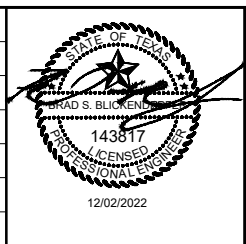
SHEET No.	DWG No.	REV
2	G-102	

TRINITY METRO - TRINITY LAKES PARKING LOT SECURITY SYSTEM DESIGN

NEW DEVICE DESCRIPTION APPLIES TO "SEC-XXX" SERIES DRAWINGS	SECURITY ABBREVIATIONS	DESIGN DRAWING INDEX																		
<p>SOUNDER Y = M - MAGNETIC X = C - CONCEALED X = S - SURFACE MOUNTED X = H - HINGE</p> <p>POSITION SWITCH Y = L - LATCH BOLT MONITOR Y = V - VERTICAL ROD MONITOR Y = F - FLUSH BOLT MONITOR X = H - HEADER X = S - STRIKE X = I - INTEGRATED</p> <p>POSITION MONITOR Y = L - LATCH BOLT MONITOR Y = V - VERTICAL ROD MONITOR Y = F - FLUSH BOLT MONITOR X = H - HEADER X = S - STRIKE X = I - INTEGRATED</p> <p>CARD READER Y = P - PROXIMITY Y = M - MAGNETIC SWIPE X = T - TEST READER X = W - WALL MOUNT X = M - MULLION MOUNT X = L - LONG RANGE X = P - PEDESTAL X = IN - IN READER X = OUT - OUT READER</p> <p>CARD READER / PINPAD COMBINATION Y = P - PROXIMITY Y = M - MAGNETIC SWIPE X = T - TEST READER X = W - WALL MOUNT X = M - MULLION MOUNT X = L - LONG RANGE X = P - PEDESTAL X = IN - IN READER X = OUT - OUT READER</p> <p>BIOMETRIC READER Y = H - HAND GEOMETRY Y = I - IRIS SCAN Y = F - FINGER PRINT X = W - WALL MOUNT X = P - PEDESTAL X = IN - IN READER X = OUT - OUT READER</p> <p>CARD READER w/ TIME & ATTENDANCE Y = P - PROXIMITY Y = M - MAGNETIC SWIPE X = W - WALL MOUNT X = P - PEDESTAL X = IN - IN READER X = OUT - OUT READER</p> <p>PINPAD READER X = W - WALL MOUNT X = P - PEDESTAL X = IN - INBOUND X = OUT - OUTBOUND</p> <p>INTERCOM STATION Y = S - SUBSTATION Y = M - MASTER STATION X = W - WALL MOUNT X = P - PEDESTAL X = E - EMERGENCY STANCHION X = D - DESK MOUNT X = V - VIDEO MONITOR</p> <p>PUSHBUTTON Y = R - DOOR RELEASE Y = D - DURESS X = EPO - EMERGENCY POWER OVERRIDE X = ROE - REQUEST FOR EXIT</p> <p>MOTION DETECTOR Y = R - REQUEST FOR EXIT X = IDS - INTRUSION DETECTION SYSTEM X = C - LONG RANGE CURTAIN X = W - WIDE AREA DETECTOR</p> <p>360° MOTION DETECTOR Y = R - INTEGRAL REQUEST FOR EXIT Y = L - INTEGRAL LATCH MONITOR Y = B - BOND SENSOR Y = DE - DELAYED EGRESS Y = BP - BOLT POSITION SWITCH X = H - HAND SET X = S - ELECTRIC STRIKE X = M - ELECTRO-MAGNETIC X = D - ELECTRIC DEADBOLT</p> <p>PUSHBAR Y = R - REQUEST FOR EXIT Y = L - LATCH MONITOR X = EU - ELECTRIC UNLOCK X = EL - ELECTRIC LATCH RETRACTION X = T - TOUCH BAR X = DE - DELAYED EGRESS</p> <p>EXISTING SECURITY NETWORK INTERFACE LOCATION</p> <p>EXISTING NETWORK VIDEO RECORDER TO BE REPLACED</p>	<p>GLASS BREAK DETECTOR Y = W - WALL MOUNT Y = C - CEILING MOUNT X = A - AUDIO X = S - SHOCK</p> <p>STROBE LIGHT Y = W - WALL MOUNT Y = C - CEILING MOUNT</p> <p>COMMUNICATION PULLBOX</p> <p>UNDERGROUND COMM CONDUIT size specified on the drawings</p> <p>PULL BOX</p> <p>DETAIL DESIGNATION REFER TO SHEET SEC-600 & SEC-600.1 FOR INSTALLATION DETAIL</p> <p>VIDEO MONITOR Y = 14 - 14 INCH Y = 17 - 17 INCH Y = 21 - 21 INCH Y = L - LARGE PLASMA X = C - COLOR X = B/W - BLACK & WHITE X = R - RACK MOUNT X = D - DESK MOUNT X = W - WALL MOUNT</p> <p>SYSTEM WORKSTATION</p> <p>NETWORK VIDEO RECORDER (NVR)</p> <p>MANUAL PULL STATION</p> <p>DIRECTIONAL ARROW INDICATES DIRECTION INTO SECURED AREA</p> <p>CONTROL (ARM/DISARM) PANEL</p> <p>EMERGENCY 911 CALL STATION (STROBE, INTERCOM AND DURESS BUTTON)</p> <p>EAS (EMERGENCY ASSIST STATION) (STROBE, INTERCOM AND MANUAL PULL STATION)</p> <p>REVISION / ADDENDUM</p> <p>FIXED VIDEO CAMERA (DASHED LINES REPRESENT CAMERA VIEWING AREA)</p> <p>THERMAL VIDEO CAMERA (DASHED LINES REPRESENT CAMERA VIEWING AREA)</p> <p>MULTI-DIRECTIONAL CAMERA WITH INTEGRATED PTZ VIDEO CAMERA</p> <p>MULTI-DIRECTIONAL VIDEO CAMERA</p> <p>PTZ VIDEO CAMERA</p> <p>180 DEGREE PANAROMIC VIDEO CAMERA</p> <p>EXISTING NETWORK NEMA ENCLOSURE MOUNTED ON A CONCRETE PAD</p> <p>POWER TRANSFER HINGE</p> <p>PUBLIC ADDRESS SPEAKER</p> <p>CAMERA WITH INTERCOM</p> <p>INTEGRATED LOCK AND PROXIMITY CARD READER HAND SET WITH REQUEST TO EXIT SWITCH AND DOOR POSITION SWITCH.</p> <p>EXISTING DIGITAL VIDEO RECORDER TO BE REMOVED AND EXISTING VIDEO CAMERAS TO BE INTERCONNECTED TO NEW IP SOLUTION</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">DRAWING NUMBER</th> <th style="width: 85%;">DRAWING DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>SEC-001</td><td>SECURITY LEGEND & ABBREVIATIONS</td></tr> <tr><td>SEC-002</td><td>SECURITY GENERAL NOTES</td></tr> <tr><td>SEC-100</td><td>SECURITY INDEX SHEET</td></tr> <tr><td>SEC-101</td><td>SECURITY LAYOUT SHEET 1 OF 3</td></tr> <tr><td>SEC-102</td><td>SECURITY LAYOUT SHEET 2 OF 3</td></tr> <tr><td>SEC-103</td><td>SECURITY LAYOUT SHEET 3 OF 3</td></tr> <tr><td>SEC-201</td><td>SECURITY DETAILS</td></tr> <tr><td>SEC-202</td><td>CAMERA SCHEDULE</td></tr> </tbody> </table> <p style="text-align: center;">DEVICE FUNCTION CODE DESCRIPTION</p> <p>NOTE: ALL SYMBOLS/ICONS AND ABBREVIATIONS SHOWN PRESENT A COMPLETE LIBRARY. SPECIFIC SYMBOLS/ICONS AND ABBREVIATIONS ARE NOT NECESSARILY USED ON THE DRAWINGS OF THIS SET.</p>	DRAWING NUMBER	DRAWING DESCRIPTION	SEC-001	SECURITY LEGEND & ABBREVIATIONS	SEC-002	SECURITY GENERAL NOTES	SEC-100	SECURITY INDEX SHEET	SEC-101	SECURITY LAYOUT SHEET 1 OF 3	SEC-102	SECURITY LAYOUT SHEET 2 OF 3	SEC-103	SECURITY LAYOUT SHEET 3 OF 3	SEC-201	SECURITY DETAILS	SEC-202	CAMERA SCHEDULE
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SEC-202	CAMERA SCHEDULE																			

USER: spstark
 DATE: 12/2/2022
 SCALE: \$SCALE\$
 FILE: \$FILE\$

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



500 W. 7th ST. SUITE 1100
FORT WORTH, TX 76102
(817) 339-8950
FIRM REG. #: 3557

SCALE: AS NOTED

DRAWN: SPS

DESIGNED: SPS

CHECKED: TGL

IN CHARGE: BSB

DATE: 12-2-2022

**TRINITY LAKES
PARKING LOT**

SECURITY LEGEND & ABBREVIATIONS

SHEET No.	3	DWG No.	SEC-001
REV			

SECURITY INSTALLATION NOTES:

PROVIDE AND INSTALL ELECTRONIC VIDEO IP CAMERAS AS SHOWN AND DESCRIBED HEREIN, TO CONSIST OF,

- 1) INSTALLING IP SECURITY CAMERAS INTEGRATED INTO THE OWNER'S EXISTING VIDEO MANAGEMENT SYSTEM (VMS)
- 2) MOUNT SECURITY CAMERAS 15'-0" FROM THE BASE OF THE PARKING LOT LIGHT POLES. THE PARKING LOT LIGHT POLES ARE PROVIDED BY OTHERS.
- 3) CAMERA POWER, NEMA ENCLOSURES (AS REQUIRED), AND COORDINATION WITH ELECTRICAL CONTRACTOR.
- 4) PROVIDE AND INSTALL ALL CABLE AND ALL REQUIRED SYSTEM COMPONENTS, AS LISTED, AND NOT LISTED, UNLESS OTHERWISE STATED OR SUBCONTRACT SAME, AND MAKE FINAL CONNECTIONS, TEST SET-UP, AND ESTABLISH OPERATIONAL AS DESCRIBED.
- 5) CONDUIT ROUTES ARE NOT IDENTIFIED ON THE PLANS. CONTRACTOR TO COORDINATE WITH THE ELECTRICAL CONTRACTOR. ALL SECURITY DEVICE CONDUITS TO BE ROUTED TO THE NEMA NETWORK ENCLOSURE PREVIOUSLY DESIGNED AND SHOWN ON THE PLATFORM SECURITY PLANS.
- 6) ALL CONDUIT, PULL BOXES, AND POWER ABOVE 100V SHALL BE BY THE ELECTRICAL CONTRACTOR. COORDINATION REQUIRED FOR MOUNTING AND CONNECTIONS OF SECURITY EQUIPMENT.
- 7) PROVIDE ANY NECESSARY ENGINEERING, INSTALLATION, SUPERVISION, TRAINING, LABOR, CALIBRATION, SOFTWARE PROGRAMMING, AND CHECKOUT NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
- 8) COORDINATE ALL WORK WITH ANY OTHER CONTRACTORS WHO MAY BE WORKING FOR THE OWNER AND OBTAIN NECESSARY DIAGRAMS, DETAILS, OR TEMPLATES TO ASSURE PROPER INTERFACING OF THIS WORK WITH THE WORK OF OTHER CONTRACTORS.
- 9) THE VIDEO SYSTEM SHALL BE REPROGRAMMED TO RECORD AT 15 FPS AT A MINIMUM RESOLUTION OF 1920 X 1080 WITH THE ADDED PARKING LOT CAMERAS TO THE EXISTING SYSTEM.
- 10) COORDINATE ALL NETWORK PLANNING AND INTERCONNECTS WITH TRINITY METRO AND THE TRE IT DEPARTMENTS
- 11) PRIOR TO CONNECTING AND POWERING THE CAT6 CABLING TO ANY EQUIPMENT, CONTRACTOR TO TEST AND VERIFY CABLING PASSES A 1GB CONNECTION WITHOUT ERRORS.
- 12) CURRENT SECURITY AND SAFETY OPERATIONS OF THE OWNER'S EXISTING SYSTEM MUST BE MAINTAINED DURING THE SECURITY PROJECT.

CLOSEOUT NOTES:

- 1) CONTRACTOR SHALL ENSURE THAT THE INSTALLATION AND OPERATION OF THE SYSTEMS, AS REQUIRED, ARE COMPLETE IN EVERY ASPECT, INCLUDING ALL NECESSARY EQUIPMENT LISTED AND EQUIPMENT NOT LISTED BUT REQUIRED TO PERFORM AS DESCRIBED.
- 2) THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE PROTECTION OF AND DAMAGE TO HIS WORK PRIOR TO THE FINAL ACCEPTANCE OF SAME AND SHALL REPAIR OR REPLACE ALL DAMAGED WORK AT CONTRACTORS EXPENSE.
- 3) THE CONTRACTOR SHALL LABEL ALL CONTROL PANELS, TERMINAL BOXES, JUNCTION BOXES, AND OTHER MAJOR ITEMS OF THE SYSTEM WITH AN IDENTIFICATION CODE THAT IS IDENTIFIED ON THE AS-BUILT DRAWINGS. THE LABELS SHALL NOT STATE SPECIFICALLY THE TYPE OF SYSTEM AND SHALL NOT INDICATE THAT THE CONTROL PANEL, TERMINAL BOX, OR JUNCTION BOX IS PART OF THE SECURITY SYSTEM. THE LABELS SHALL BE PERMANENT WITH CHARACTERS SIZED NOT LESS THAN 1/8".
- 4) MANUFACTURER RECOMMENDED TESTING SHALL BE PERFORMED PRIOR TO INSTALLATION AND DURING THE ACCEPTANCE TESTING. THE CONTRACTOR SHALL SUBMIT THREE (3) COPIES OF A REPORT INDICATING THE RESULTS OF THE RECOMMENDED MANUFACTURER TESTING.
- 5) AFTER ALL SITE WIRING HAS BEEN INSTALLED AND PRIOR TO MAKING ALL CONNECTIONS TO THE SYSTEM PANELS OR DEVICES, THE CONTRACTOR SHALL TEST ALL NETWORK CABLING VERIFYING THE CABLE AND CONNECTIONS PROVIDE THE DESIRED TRANSMISSION CAPABILITIES TO SUPPORT THE DATA COMMUNICATION REQUIRED AND ALL OTHER WIRING FOR RESISTANCE, GROUNDS, AND ANY FAULTS IN THE WIRING. CONTRACTOR SHALL PROVIDE COPIES OF THE TEST RESULTS TO THE OWNER AND/OR THE OWNER'S REPRESENTATIVE.
- 6) PROVIDE AS-BUILT DRAWINGS OF ALL INSTALLED SECURITY AND NETWORK SYSTEMS.

- 7) LABEL PATCH PANELS, DISTRIBUTION PANELS, CONNECTOR BLOCKS, AND PROTECTION MODULES USING COLOR CODED LABELS WITH IDENTIFIERS IN ACCORDANCE WITH TIA-606 AND OWNER'S DIRECTION.
- 8) TEST FIBER OPTIC CABLE IN ACCORDANCE WITH ANSI-455 SERIES. TWO OPTICAL TESTS SHALL BE PERFORMED ON ALL OPTICAL FIBERS: OPTICAL TIME DOMAIN REFLECTOMETRY (OTDR) TEST AND ATTENUATION TEST. THESE TESTS SHALL BE PERFORMED ON THE COMPLETED END-TO-END SPANS WHICH INCLUDED THE NEAR-END PRE-CONNECTORIZED SINGLE FIBER CABLE ASSEMBLY, OUTSIDE PLANT AS SPECIFIED, AND THE FAR-END PRE-CONNECTORIZED SINGLE FIBER CABLE ASSEMBLY.
 - A. OTDR TEST: THE OTDR TEST SHALL BE USED TO DETERMINE THE ADEQUACY OF THE CABLE INSTALLATIONS BY SHOWING ANY IRREGULARITIES, SUCH AS DISCONTINUITIES, MICRO-BENDINGS, OR IMPROPER SPLICES FOR THE CABLE SPAN UNDER TEST. HARD COPY FIBER SIGNATURE RECORDS SHALL BE OBTAINED FROM THE OTDR FOR EACH FIBER IN EACH SPAN AND SHALL BE INCLUDED IN THE TEST RESULTS. THE OTDR TEST SHALL BE MEASURED IN BOTH DIRECTIONS, CONDUCT OTDR TEST AND SINGLE-MODE FIBER, SPLICE LOSSES SHALL NOT EXCEED 0.3 dB.
 - B. ATTENUATION TEST: END-TO-END ATTENUATION MEASUREMENTS SHALL BE MADE ON ALL FIBERS, IN BOTH DIRECTIONS, USING A 1310 NANOMETER LIGHT SOURCE AT ONE END AND THE OPTICAL POWER METER ON THE OTHER END TO VERIFY THAT THE CABLE SYSTEM ATTENUATION REQUIREMENTS ARE MET IN ACCORDANCE WITH TIW-526-7 FOR FIBER OPTIC CABLES. THE MEASUREMENT METHOD SHALL BE IN ACCORDANCE WITH TIA-455-78-B. ATTENUATION LOSSES SHALL NOT EXCEED 0.5 dB/km AT 1310 NM.
 - C. IF FAILURE DETECTED IN TESTING, THE CONTRACTOR SHALL REPLACE THE FAILED FIBER OPTIC CABLE AND ALL ASSOCIATED CONNECTORS.

GROUNDING AND BONDING CONDUCTORS NOTES:

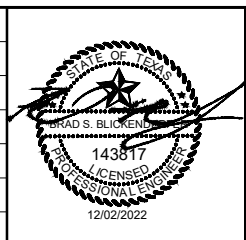
- 1) PROVIDE GROUNDING AND BONDING CONDUCTORS IN ACCORDANCE WITH RUS 1755.200. TIA-607, IEEE C2, AND NFPA 70. SOLID BAR COPPER WIRE MEETING THE REQUIREMENTS OF ASTM B1 FOR SIZES NO. 8 AWG AND SMALLER AND STRANDED BARE COPPER WIRE MEETING THE REQUIREMENTS OF ASTM B8, FOR SIZES NO. 6 AWG AND LARGER, INSULATED CONDUCTORS SHALL HAVE 600-VOLT, TYPE TW INSULATION MEETING THE REQUIREMENTS OF UL 83.
- 2) ALL EQUIPMENT, CABINETS, BOXES, CONDUITS, AND METAL RACEWAYS SHALL BE GROUNDED BY THE CONTRACTOR IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE OR MANUFACTURER AND/OR AS SPECIFICALLY SHOWN ON THE PROJECT DRAWINGS.
- 3) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL SYSTEM GROUNDS AND BONDING AS REQUIRED BY THE NATIONAL ELECTRICAL CODE (NEC).

GENERAL NOTES:

- 1) THE CONTRACTOR SHALL COMPLY WILL ALL OWNER SAFETY PROGRAMS AND REGULATIONS.
- 2) THE CONTRACTORS STAGING AREA WILL BE DEFINED BY THE GENERAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- 3) THIS CONTRACTOR SHALL PLAN TO ATTEND EACH ON-SITE CONSTRUCTION MEETING FOR SAFETY AND SCHEDULE UPDATES.
- 4) THE CONTRACTOR SHALL ONLY ASSIGN CERTIFIED TECHNICIANS WHO ARE TRAINED IN THE INSTALLATION, MAINTENANCE, AND REPAIR OF THE SYSTEMS DEFINED IN THIS SCOPE OF WORK.
- 5) THE CONTRACTOR SHALL EXAMINE ALL DESIGN DOCUMENTS AND ISSUE REQUESTS FOR INFORMATION ON ANY AREAS OF QUESTIONS PRIOR TO STARTING WORK TO VALIDATE THE INTENT AND EQUIPMENT REQUIRED FOR A FULLY FUNCTIONAL SOLUTION.
- 6) THE INTEGRATION OF THE IP SECURITY CAMERAS TO THE OWNER'S EXISTING VMS IS REQUIRED AND THIS CONTRACTOR SHALL SUPPORT THE COORDINATION REQUIRED WITH ALL RELATED TRADES TO COMPLETE THE INTEGRATION.
- 7) THE WORK SHALL BE IN FULL COMPLIANCE WITH ALL STATE AND LOCAL CODES. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO HAVE KNOWLEDGE AND EXPERIENCE IN THE COMPLIANCE OF THE FOLLOWING:
 - A. AIA - AMERICAN INSTITUTE OF ARCHITECTS
 - B. ADA - AMERICANS DISABILITY ACT
 - C. NEC - NATIONAL ELECTRIC CODE
 - D. NEMA - NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
 - E. NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
 - F. OSHA - THE OCCUPATIONAL SAFETY AND HEALTH ACT
 - G. UL - UNDERWRITERS LABORATORIES
- 8) THE CONTRACTOR SHALL PROVIDE ALL PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED BY THE GENERAL CONTRACTOR AND OSHA FOR EACH EMPLOYEE AND PERSON FOR WHOM THEY ARE RESPONSIBLE FOR.
- 9) ALL CONDUITS, FEEDERS, AND CONDUCTORS SHALL BE HIDDEN FROM VIEW FROM ALL FIXTURES AND DEVICES.
- 10) REFER TO THE ELECTRICAL DRAWINGS (BY OTHERS) FOR CONDUIT AND POWER ROUTES AND REQUIREMENTS.

USER: spstark
 DATE: 12/2/2022
 SCALE: \$SCALE\$
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REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



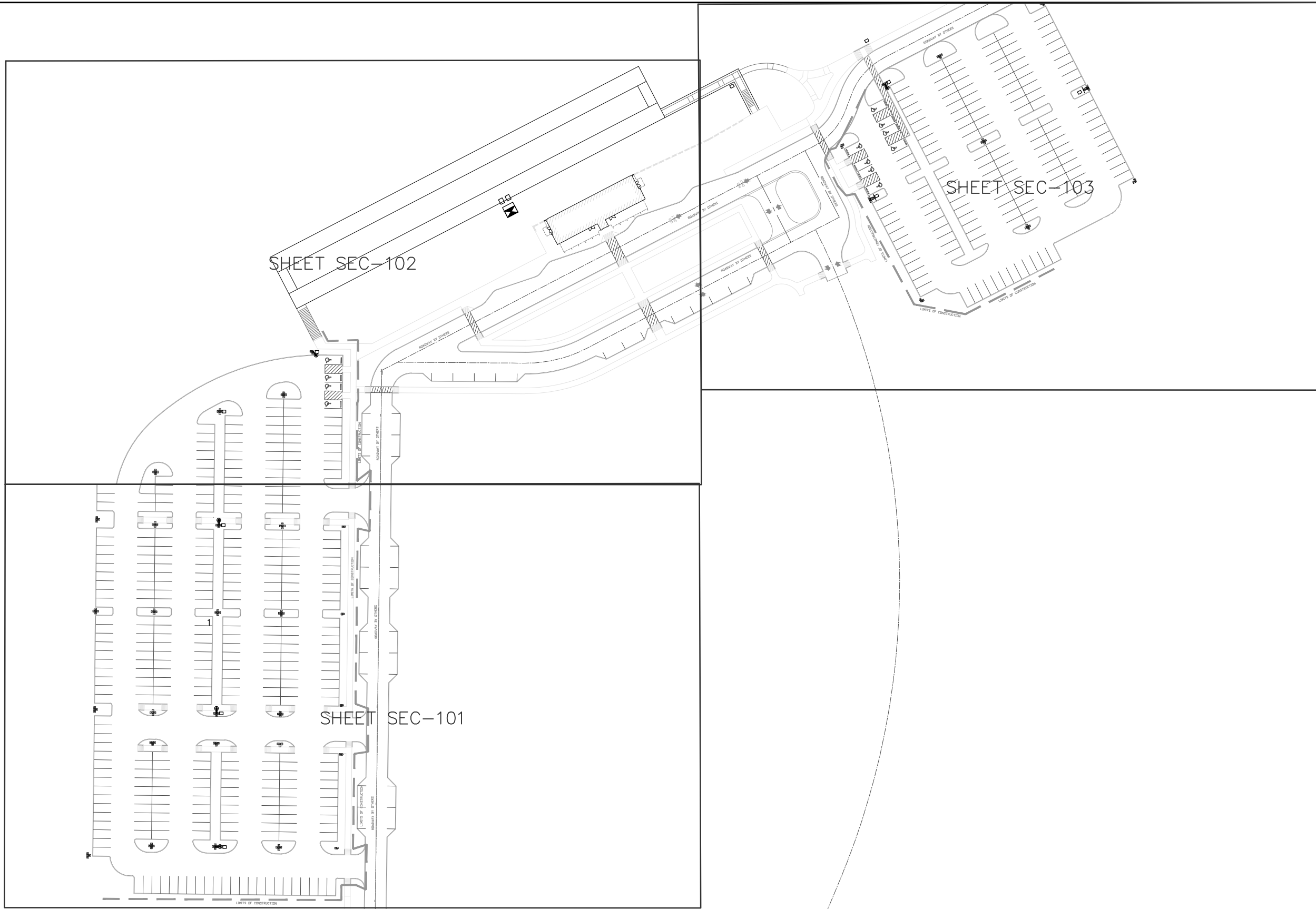
500 W. 7th ST. SUITE 1100
 FORT WORTH, TX 76102
 (817) 339-8950
 FIRM REG. #: 3557



SCALE	AS NOTED
DRAWN	SPS
DESIGNED	SPS
CHECKED	TGL
IN CHARGE	BSB
DATE	12-2-2022

**TRINITY LAKES
 PARKING LOT
 SECURITY GENERAL NOTES**

SHEET No. 4	DWG No. SEC-002	REV
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USER: spstark
 DATE: 12/2/2022
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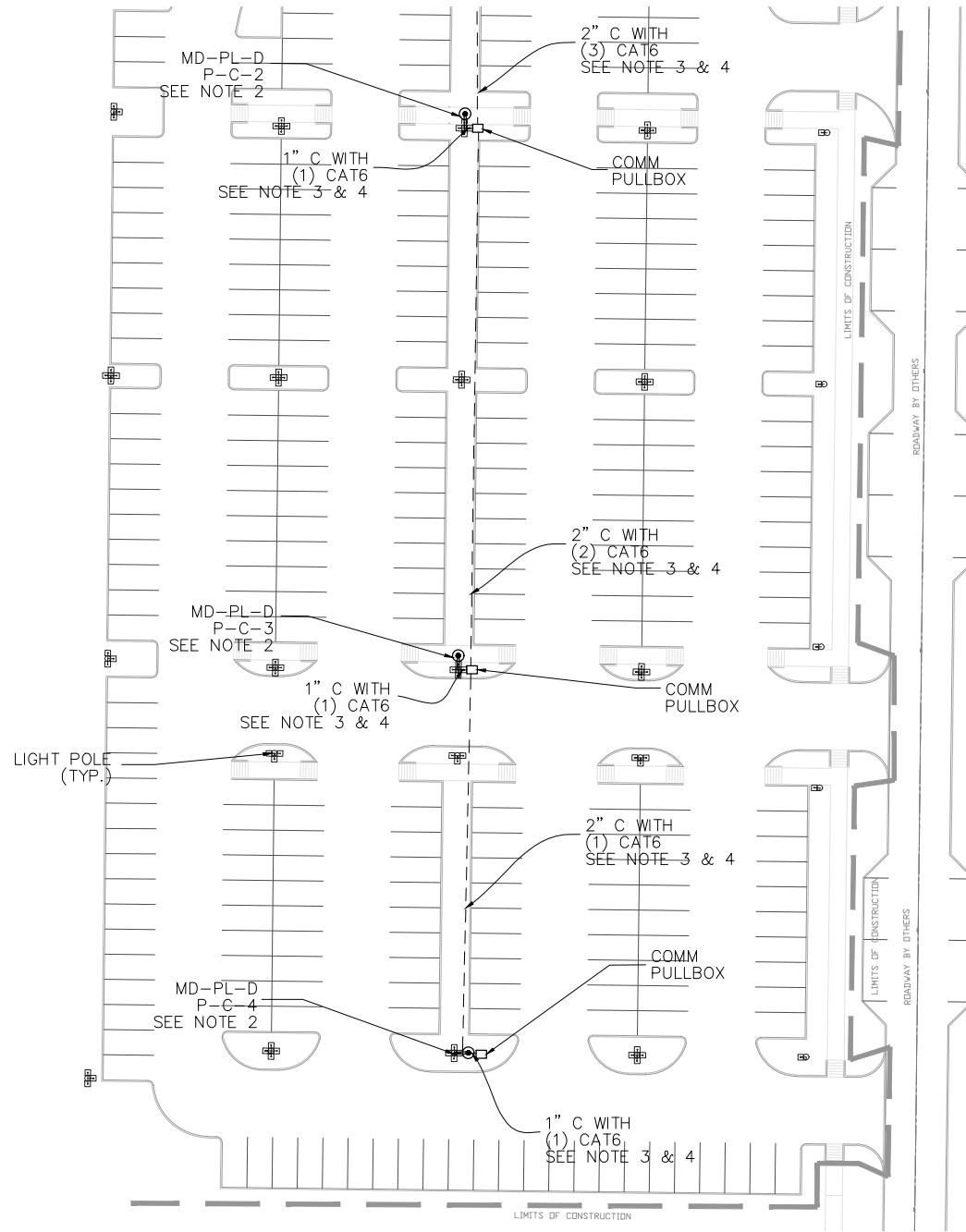


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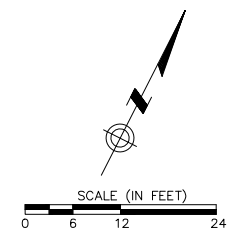
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CHECKED	TGL
IN CHARGE	BSB
DATE	12-2-2022

TRINITY LAKES PARKING LOT SECURITY INDEX SHEET		
SHEET No.	DWG No.	REV
5	SEC-100	



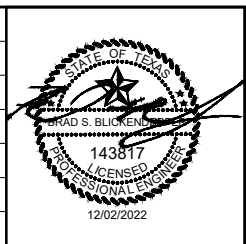
- NOTES:
1. ROUTE ALL PROPOSED CAMERAS TO THE ALREADY DESIGNED OUTDOOR NEMA NETWORK ENCLOSURE AS SHOWN ON SHEET SEC-104. UTILIZE AXIS POE RANGE EXTENDERS.
 2. SEE DETAIL 1 ON DRAWING SEC-201.
 3. SHIELDED DIRECT BURIAL CAT6 CABLE IN RACEWAY TO NEMA NETWORK ENCLOSURE SHOWN ON SHEET SEC-104.
 4. REFER TO THE ELECTRICAL CONDUIT LAYOUT PLAN FOR CONDUIT LOCATIONS. SECURITY CONDUIT SHOWN FOR SCHEMATIC PURPOSES ONLY. CONDUIT FOR CAMERAS SHALL FALL WITHIN THE SAME TRENCH AS THE ELECTRICAL CONDUIT FOR THE LIGHTS.

PARKING LOT SECURITY PLAN
SCALE: 1/8" = 1'-0"



USER: spstark
DATE: 12/2/2022
SCALE: \$SCALE\$
FILE: \$FILE\$

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

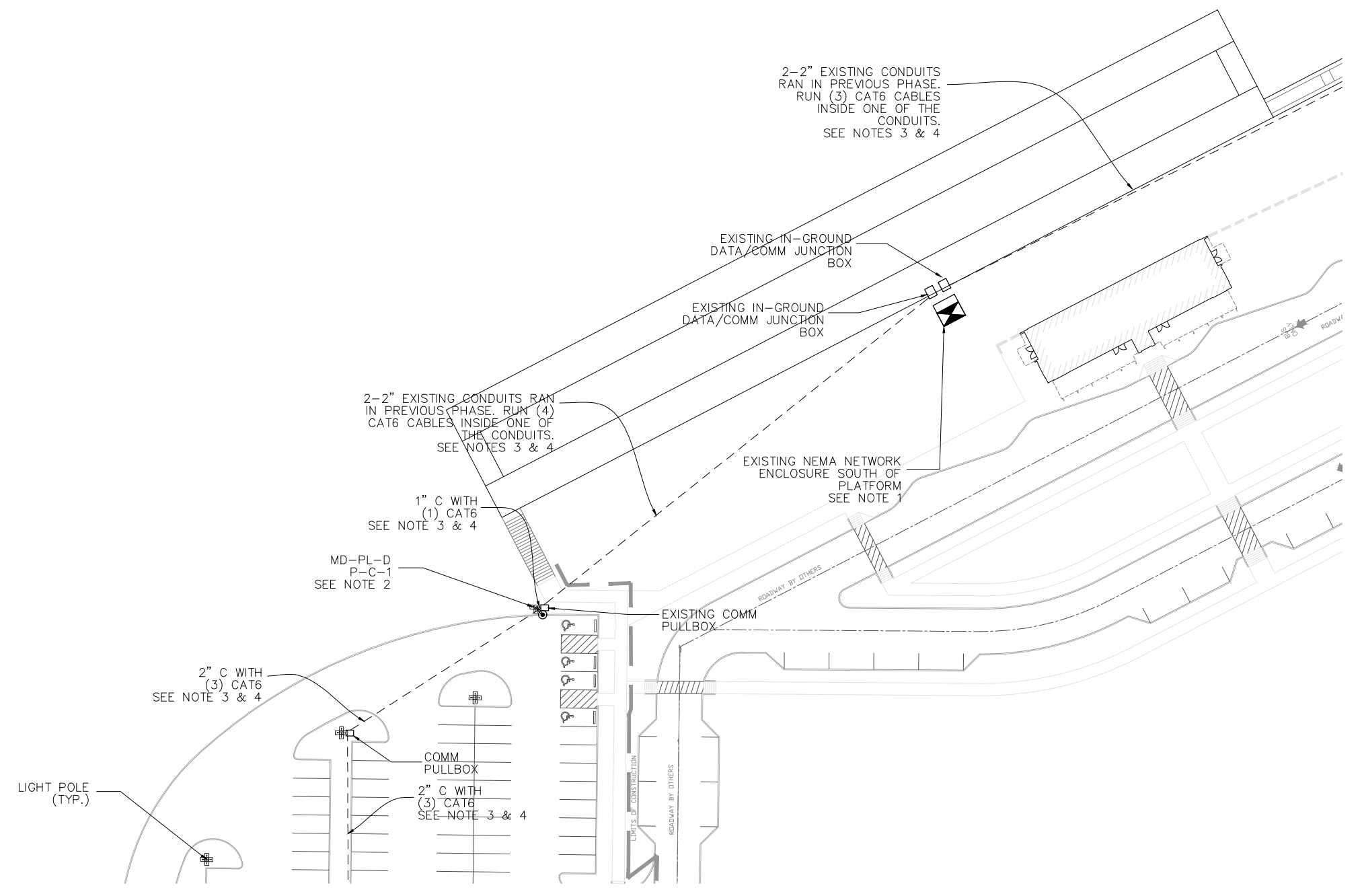


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500 W. 7th ST. SUITE 1100
FORT WORTH, TX 76102
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FIRM REG. #: 3557

TRINITY METRO

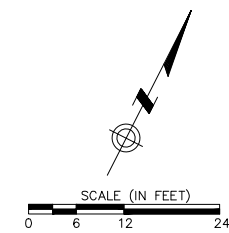
SCALE	AS NOTED	TRINITY LAKES PARKING LOT SECURITY LAYOUT SHEET 1 OF 3			
DRAWN	SPS				
DESIGNED	SPS				
CHECKED	TGL				
IN CHARGE	BSB				
DATE	12-2-2022				
SHEET No.	6	DWG No.	SEC-101	REV	



NOTES:

1. ROUTE ALL PROPOSED CAMERAS TO THE ALREADY DESIGNED OUTDOOR NEMA NETWORK ENCLOSURE AS SHOWN ON SHEET SEC-104. UTILIZE AXIS POE RANGE EXTENDERS.
2. SEE DETAIL 1 ON DRAWING SEC-201.
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PARKING LOT SECURITY PLAN
SCALE: 1/8" = 1'-0"



USER: spstark
 DATE: 12/2/2022
 SCALE: \$SCALE\$
 FILE: \$FILE\$

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



500 W. 7th ST. SUITE 1100
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 (817) 339-8950
 FIRM REG. #: 3557

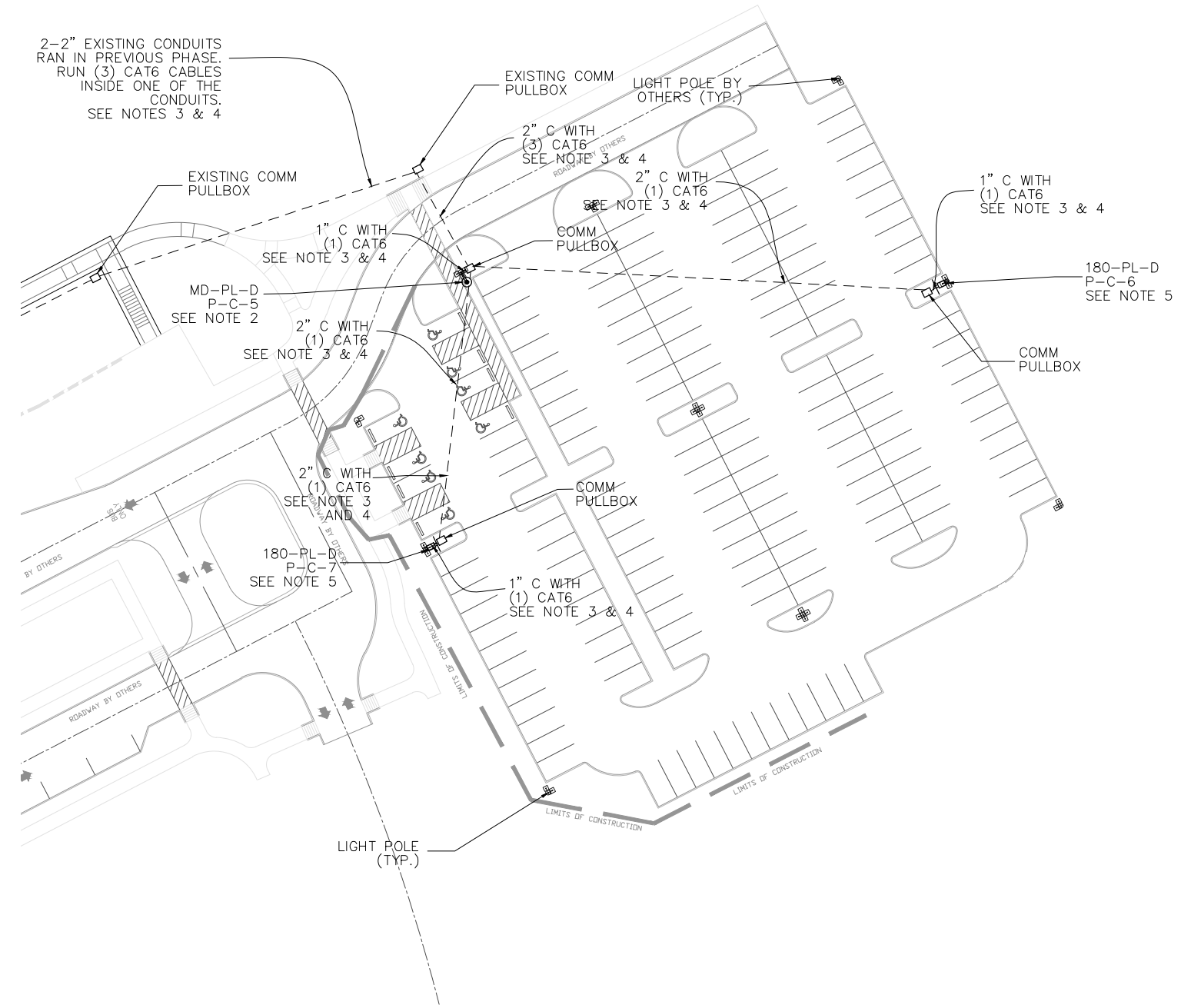


SCALE	AS NOTED
DRAWN	SPS
DESIGNED	SPS
CHECKED	TGL
IN CHARGE	BSB
DATE	12-2-2022

TRINITY LAKES PARKING LOT		
SECURITY LAYOUT SHEET 2 OF 3		
SHEET No. 7	DWG No. SEC-102	REV



SCALE (IN FEET)
0 6 12 24



NOTES:

1. ROUTE ALL PROPOSED CAMERAS TO THE ALREADY DESIGNED OUTDOOR NEMA NETWORK ENCLOSURE AS SHOWN ON SHEET SEC-104. UTILIZE AXIS POE RANGE EXTENDERS.
2. SEE DETAIL 1 ON DRAWING SEC-201.
3. SHIELDED DIRECT BURIAL CAT6 CABLE IN RACEWAY TO NEMA NETWORK ENCLOSURE SHOWN ON SHEET SEC-104.
4. REFER TO THE ELECTRICAL CONDUIT LAYOUT PLAN FOR CONDUIT LOCATIONS. SECURITY CONDUIT SHOWN FOR SCHEMATIC PURPOSES ONLY. CONDUIT FOR CAMERAS SHALL FALL WITHIN THE SAME TRENCH AS THE ELECTRICAL CONDUIT FOR THE LIGHTS.

PARKING LOT SECURITY PLAN

SCALE: 1/8" = 1'-0"

USER: spstark
DATE: 12/2/2022
SCALE: \$SCALE\$
FILE: \$FILE\$

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



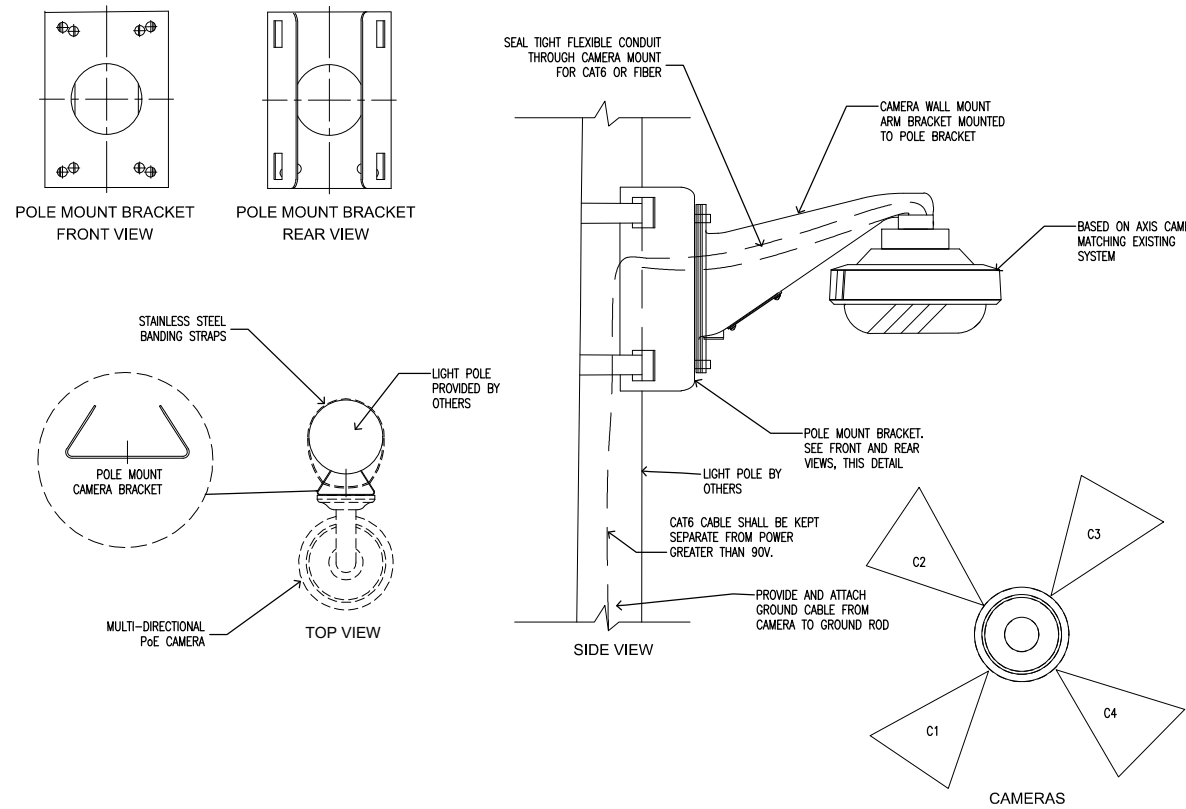
500 W. 7th ST. SUITE 1100
FORT WORTH, TX 76102
(817) 339-8950
FIRM REG. #: 3557



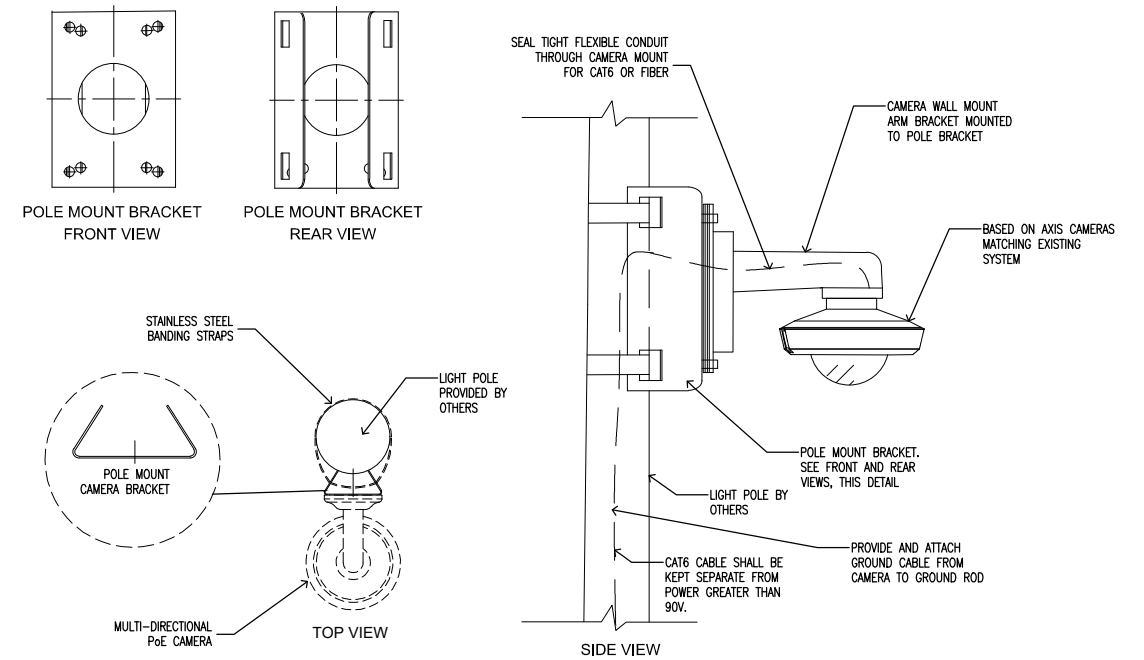
SCALE	AS NOTED
DRAWN	SPS
DESIGNED	SPS
CHECKED	TGL
IN CHARGE	BSB
DATE	12-2-2022

**TRINITY LAKES
PARKING LOT**
SECURITY LAYOUT SHEET 3 OF 3

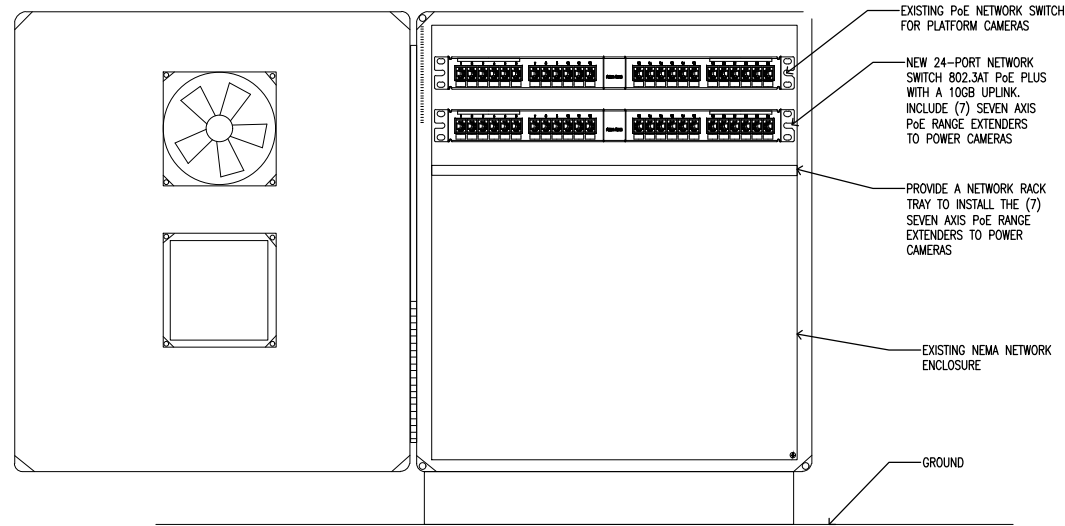
SHEET No. 8	DWG No. SEC-103	REV
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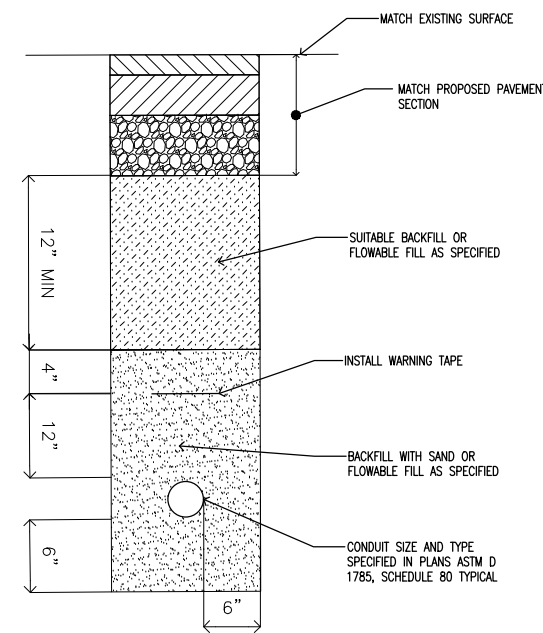
1 MULTI-DIRECTIONAL CAMERA POLE MOUNT
SCALE: NONE FUNCTION: MD-PL-D



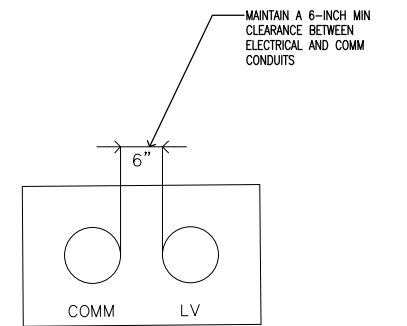
2 FIXED/180 DEGREE CAMERA POLE MOUNT
SCALE: NONE FUNCTION: FIX-PL-D / 180-PL-D



3 EXISTING PLATFORM NEMA NETWORK ENCLOSURE
SCALE: NONE



4 CONDUIT TRENCHING/DIRECT BURY DETAIL
SCALE: NONE

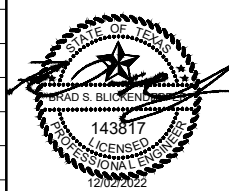


5 DUCTBANK DETAIL
SCALE: NONE

- NOTES:
- FOR MULTI-DIRECTIONAL CAMERA VIEWS INTENDED BY DESIGN, SEE CAMERA SCHEDULE ON SEC-202.
 - CONTRACTOR SHALL SUPPLY ALL ANCHORS, CONNECTORS, AND INCIDENTALS REQUIRED FOR MOUNTING SECURITY DEVICES SHOWN.

USER: spstark
DATE: 12/2/2022
SCALE: \$SCALE\$
FILE: \$FILE\$

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



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TRINITY LAKES PARKING LOT SECURITY DETAILS		
SHEET No.	DWG No.	REV
9	SEC-201	

TRINITY METRO CAMERA SCHEDULE

Camera Programming Number		View	Function Code	Mounting	Lens Type	Detail #	Detail Sheet #	Camera Model
Programming Title	Plan ID							
N/A	P-C-1	CAMERA 1: CROSSWALK FROM PLATFORM	MD-PL-D	POLE MOUNTING	DIRECTIONAL / 4 INTEGRATED CAMERAS	1	201	AXIS-P3719-PLE
		CAMERA 2: SIDEWALK/HANDICAP SPOTS						
		CAMERA 3: PARKING LOT						
		CAMERA 4: PARKING LOT						
N/A	P-C-2	CAMERA 1: PARKING LOT (NW)	MD-PL-D	POLE MOUNTING	DIRECTIONAL / 4 INTEGRATED CAMERAS	1	201	AXIS-P3719-PLE
		CAMERA 2: PARKING LOT (NE/ENTRANCE)						
		CAMERA 3: PARKING LOT (SE)						
		CAMERA 4: PARKING LOT (SW)						
N/A	P-C-3	CAMERA 1: PARKING LOT (NW)	MD-PL-D	POLE MOUNTING	DIRECTIONAL / 4 INTEGRATED CAMERAS	1	201	AXIS-P3719-PLE
		CAMERA 2: PARKING LOT (NE)						
		CAMERA 3: PARKING LOT (SE/ENTRANCE)						
		CAMERA 4: PARKING LOT (SW)						
N/A	P-C-4	CAMERA 1: PARKING LOT (NW)	MD-PL-D	POLE MOUNTING	DIRECTIONAL / 4 INTEGRATED CAMERAS	1	201	AXIS-P3719-PLE
		CAMERA 2: PARKING LOT (NE/ENTRANCE)						
		CAMERA 3: PARKING LOT (SE/ENTRANCE)						
		CAMERA 4: PARKING LOT (SW)						
N/A	P-C-5	CAMERA 1: PARKING LOT (NE)	MD-PL-D	POLE MOUNTING	DIRECTIONAL / 4 INTEGRATED CAMERAS	1	201	AXIS-P3719-PLE
		CAMERA 2: PARKING LOT (SE)						
		CAMERA 3: PSIDEWALK/HANDICAP SPOTS						
		CAMERA 4: CROSSWALK						
N/A	P-C-6	PARKING LOT (WEST)	180-PL-D	POLE MOUNTING	13 MP MULTI-SENSOR PANORAMIC	2	201	AXIS-P3818-PVE
N/A	P-C-7	PARKING LOT (EAST)	180-PL-D	POLE MOUNTING	13 MP MULTI-SENSOR PANORAMIC	2	201	AXIS-P3818-PVE
CAMERAS TO UTILIZE AN 802.3at PoE PLUS SWITCH AND AXIS PoE RANGE EXTENDER TO PROVIDE POWER AND DATA TO THE CAMERAS UP TO 1640FT @ 20W								

SECURITY CAMERA SCHEDULE
SCALE: NTS

USER: rps/ark DATE: 12/2/2022 TIME: \$TIME\$ PENTABLE: \$PENTBL\$
SCALE: \$SCALE\$ SHORT: \$SHORT\$ FILE: \$FILE\$

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



500 W. 7th ST. SUITE 1100
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TRINITY LAKES
PARKING LOT
SECURITY CAMERA SCHEDULE

SHEET No.	10	DWG No.	SEC-202	REV
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