

**GENERAL TECHNOLOGY NOTES:**

- "1/T2.00" INDICATES DETAIL NUMBER / SHEET NUMBER.
- "VS-RAD" INDICATES TECHNOLOGY MATERIAL LIST SCHEDULE ITEM LABELED AS "ABBREVIATION".
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, i.e. A/H
- REFER TO TECHNOLOGY MATERIAL LIST SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- "# " INDICATES KEYED NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.

**ABBREVIATION KEY:**

- S.C. SECURITY CONTRACTOR
- E.C. ELECTRICAL CONTRACTOR
- G.C. GENERAL CONTRACTOR
- C CONDUIT
- SIM SIMILAR
- TYP TYPICAL
- J-BOX JUNCTION BOX

**TELECOM ROOM ABBREVIATION KEY:**

- TR-# TELECOMMUNICATIONS ROOM

**LINE TYPE KEY:**

- NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
- NEW WORK BY OTHERS, AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
- EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

**TECHNOLOGY INSTALLATION NOTES:**

- CONTRACTOR SHALL AFFIX OWNER FURNISHED ASSET TAGS TO OWNER DEFINED FIELD EQUIPMENT RELATED TO THIS PROJECT.
- FIBER OPTIC CABLING TO THE POLES, 120 V POWER TO THE POLE MOUNTED CAMERA CONTROL ENCLOSURES, FIBER CONNECTOR PANEL AND NETWORK SWITCH INSIDE OF THE CAMERA CONTROL ENCLOSURE ARE ALL BY OTHERS.
- POLE MANUFACTURER WILL FURNISH A BRACKET ATTACHED TO THE POLES WHICH PRIMARILY ADJUSTS THE CAMERA POSITION FOR THE ANGLE OF THE POLE. CONTRACTOR SHALL FURNISH AND INSTALL CAMERA BRACKET WHICH ATTACHES TO THIS POLE MANUFACTURER BRACKET.
- CONTRACTOR SHALL BE RESPONSIBLE FOR AIMING THE CAMERAS UP TO A TOTAL OF THREE TIMES. THE FIRST TIME SHALL BE UPON INSTALLATION PROVIDING A GENERAL VIEW OF THE AREA WITH LIMITED INCLUSION OF THE HORIZON AND THE RIVER. UPON THE OWNER'S EVALUATION OF THE SCENES, THE OWNER WILL PROVIDE WRITTEN DIRECTION TO THE CONTRACTOR FOR AIMING ADJUSTMENTS. OWNER WILL EVALUATE THE SCENES ONE ADDITIONAL TIME AND PROVIDE WRITTEN INSTRUCTIONS FOR AIMING ADJUSTMENTS FOR WHICH THE CONTRACTOR SHALL PERFORM. AFTER THIS SET OF ADJUSTMENTS, OWNER MAY INCUR ADDITIONAL FEES FROM THE CONTRACTOR FOR FURTHER CHANGES TO THE AIM OF THE CAMERA.
- FOR WORK AT TRI-GEN, SEE SHEET T0.01 KEYNOTES 14,15 AND 16. CONTRACTOR SHALL PROVIDE A JOB SAFETY ANALYSIS TO TRI-GEN EVERY DAY WHEN WORK IS BEING PERFORMED AT THAT LOCATION. FORM AND FORMAT OF THE JOB SAFETY ANALYSIS SHALL BE PROVIDED BY TRI-GEN. CONTRACTOR SHALL WEAR APPROPRIATE PERSONAL PROTECTION EQUIPMENT (PPE) SUCH AS HARD HAT, SAFETY GLASSES, HEARING PROTECTION AND ANY EQUIPMENT REQUIRED BY TRI-GEN WHEN WORK IS BEING PERFORMED AT THAT LOCATION.
- WORK DEFINED ON THESE PLANS AND IN THE ASSOCIATED SPECIFICATIONS SHALL BE PERFORMED SIMULTANEOUSLY AS WORK IS OCCURRING FOR OTHER PROJECTS ALONG LEONOR K. SULLIVAN BLVD AND NATIONAL PARK SERVICE PROPERTY. CONTRACTOR SHALL COORDINATE SCHEDULE WITH OWNER RELATED TO THESE OTHER PROJECTS. POLES, FIBER OPTIC CABLE TO THE POLES, CAMERA CONTROL ENCLOSURES AND POWER TO ENCLOSURES SHALL BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACTOR PERFORMING THE WORK DEFINED IN THESE PLANS AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE WITH POLE CONTRACTOR AND POLE ELECTRICAL CONTRACTOR FOR VERIFICATION OF POLE NUMBERS.
- CAMERAS WHICH WERE EXISTING PRIOR TO CONSTRUCTION ON LEONOR K. SULLIVAN BLVD. HAVE BEEN REMOVED BY ANOTHER CONTRACTOR. CAMERAS WHICH THEY ARE TO RE-INSTALL ARE DEFINED ON THE INDIVIDUAL PLANS AS WELL AS THE SCHEDULE ON SHEET T4.00.
- AS REFERENCE, CONTRACTOR SHALL BE PROVIDED WITH ELECTRICAL PLANS FOR THE INSTALLATION OF THE POLES, POWER TO THE POLES AND FIBER OPTIC CABLE INFRASTRUCTURE.
- CONTRACTOR SHALL LEAVE A MINIMUM OF THREE (3) FEET OF NETWORK CABLE COILED IN THE CAMERA CONTROL ENCLOSURE FOR EACH CAMERA.

**TECHNOLOGY DEMOLITION NOTES:**

- THE TECHNOLOGY DRAWINGS INDICATE EXISTING TECHNOLOGY ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
- ITEMS REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN.
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO EQUIPMENT, SYSTEMS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER.
- THIS CONTRACTOR SHALL COORDINATE ALL THEIR WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
- EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
- REFER TO SPECIFICATIONS SECTION 27 05 00 AND 27 05 05 FOR ADDITIONAL INFORMATION.

TELECOM ROOM REFERENCES			
TELECOM ROOM	DETAIL/SHEET REFERENCE	FLOORPLAN REFERENCE	ARCH ROOM NUMBER
TR-1	2/T3.00	N/A	623

TECHNOLOGY SYMBOL LIST			
SYMBOL	MATERIAL LIST ABBREVIATION	DESCRIPTION	NOTES:
CAM	N/A	CLOSED CIRCUIT TELEVISION (CCTV) WALL CAMERA	1
ANT	VS-ANT	ANTENNA	
RAD	VS-RAD	RADIO	

**GENERAL NOTES:**

- ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE TECHNOLOGY MATERIAL LIST FOR MORE COMPLETE DESCRIPTION AND ITEMS.
- ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
- ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPES KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

**TECHNOLOGY SYMBOL NOTES:**

- REFER TO VIDEO SURVEILLANCE - INDIVIDUAL CAMERA REQUIREMENTS SCHEDULE ON T4.00 AND TECHNOLOGY MATERIAL LIST ON T4.00 FOR ADDITIONAL INFORMATION.

**TECHNOLOGY SHEET INDEX**

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NO.	DATE	REVISION	DESCRIPTION

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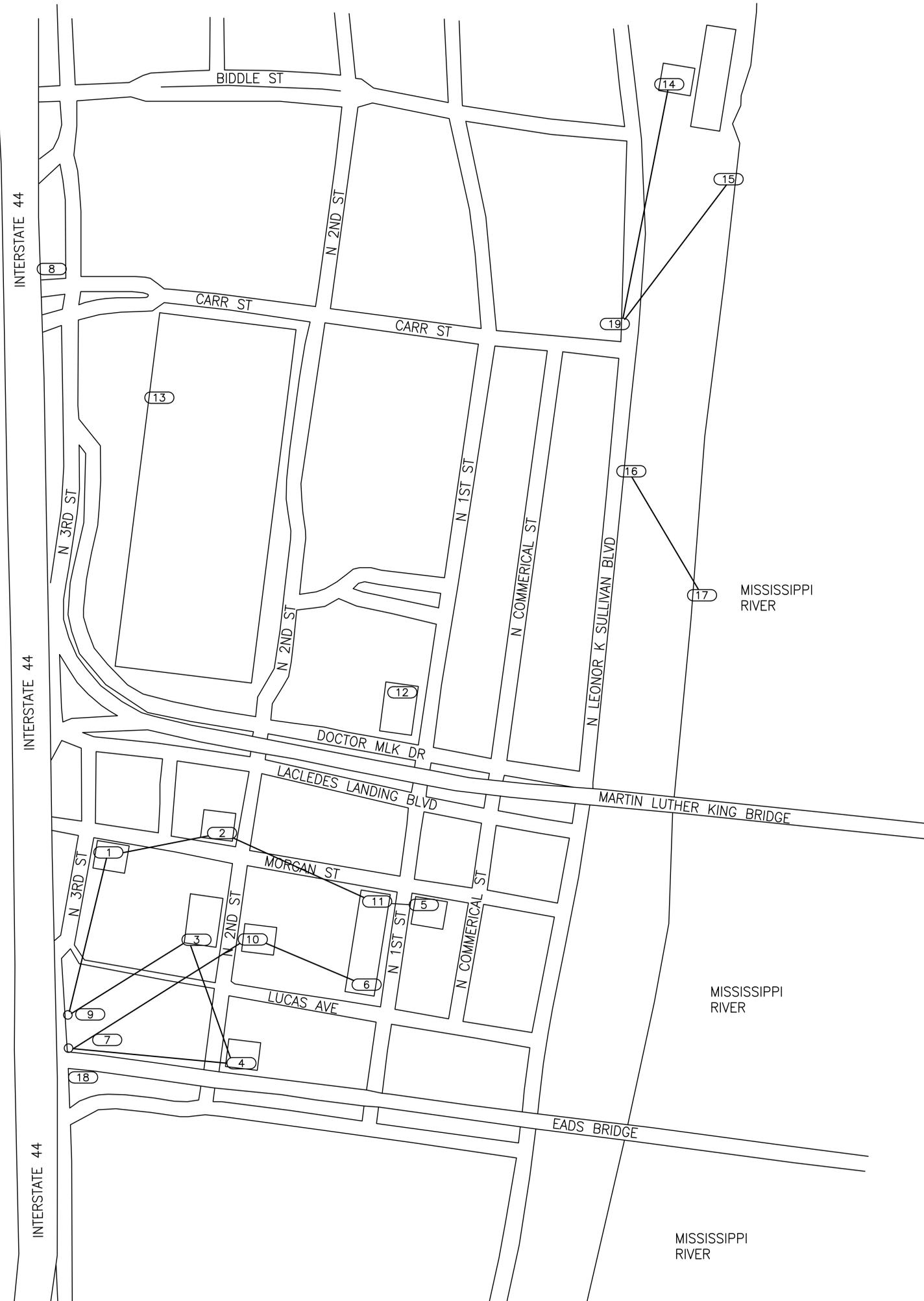
DESIGNED BY	DRAWN BY	CHECKED BY
NICWNU	KEIEVE	NICHRA

PROJECT NUMBER	DATE
15.0097.00	03/23/2015

SHEET DESCRIPTION  
**COVER SHEET  
 TECHNOLOGY**

SHEET NUMBER  
**T0.00**

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**



**GENERAL NOTES**

1. ALL DEVICES REFERENCED ON THIS SHEET: CAMERAS, RADIOS AND CABLING ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
2. ALL EXISTING CAMERAS TO REMAIN TRANSMITTING SIGNALS TO ST. LOUIS POLICE HEADQUARTERS AT 1915 OLIVE VIA EXISTING BACKHAUL COMPOSED OF TRAFFIC DEPT. FIBER.
3. ALL EXISTING RADIOS ARE FIRETIDE 6000 SERIES UNLESS STATED OTHERWISE. ALL OF THE RADIOS ARE LOCATED ON THE ROOF OF THE ASSOCIATED BUILDING ON NON-PENETRATING ROOF MOUNTS.
4. FCC APPROVAL OF OPERATION ON THE 4.9 MHz PUBLIC SAFETY SPECTRUM IS IN PROGRESS.
5. CONTRACTOR SHALL CLEAN ALL CAMERA DOMES. NUMBER, TYPE AND LOCATION OF CAMERAS ARE DEFINED AT EACH LOCATION. CAMERAS REFERENCED ON THIS SHEET, EXCEPT FOR THOSE AT KEYNOTES 16 AND 19, ARE NOT SHOWN ON THE CAMERA SCHEDULE ON SHEET T4.00 AS THEY ARE EXISTING TO REMAIN.
6. SIZE AND LOCATION OF REPRESENTATIONS OF BUILDINGS SHOWN IS APPROXIMATE.
7. CONTRACTOR SHALL RE-ALIGN ANTENNAS FOR OPTIMUM PERFORMANCE. RADIO TRANSMISSION PATHS ARE DENOTED BY LINES CONNECTING KEYNOTE SYMBOLS.

**KEYNOTES #**

1. MORGAN ST. BREWERY, 721 NORTH 2ND ST. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. TWO (2) FIXED POSITION CAMERAS LOCATED ON THE NORTHWEST CORNER OF THE BUILDING AT APPROXIMATELY 12 FEET ABOVE GRADE.
2. TIF'S ON THE LANDING/THE BIG BANG, 802 NORTH 2ND ST. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. ONE (1) FIXED POSITION CAMERA IS LOCATED ON THE WALL ON MORGAN STREET, APPROXIMATELY 12 FEET ABOVE GRADE. ONE (1) PTZ CAMERA IS LOCATED ON THE ROOF ADJACENT TO THE RADIO.
3. HANNEGAN'S, 719 NORTH 2ND ST. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. TWO (2) FIXED POSITION CAMERAS AND ONE (1) PTZ CAMERA ARE LOCATED ON THE SOUTHWEST CORNER OF THE BUILDING APPROXIMATELY 12 FEET ABOVE GRADE.
4. DRUNKEN FISH, 612 NORTH 2ND ST. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. ONE (1) FIXED POSITION CAMERA IS LOCATED ON THE FRONT OF THE BUILDING APPROXIMATELY 12 FEET ABOVE GRADE.
5. SHOW ME'S, 724 NORTH 1ST ST. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. ONE (1) FIXED POSITION CAMERA LOCATED ON THE NORTHWEST CORNER APPROXIMATELY 12 FEET ABOVE GRADE.
6. METRO, 707 NORTH 1ST ST. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. TWO (2) FIXED POSITION CAMERAS LOCATED ON THE FRONT OF THE BUILDING APPROXIMATELY 12 FEET ABOVE GRADE.
7. 3RD AND WASHINGTON TRAFFIC DEPARTMENT ENCLOSURE LOCATION FOR CONNECTION TO FIBER OPTIC CABLE. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM.
8. 3RD AND CARR TRAFFIC SIGNAL AND CONTROL. AFTER TRANSMISSION PATH IS RELOCATED AND TESTED BETWEEN KEYNOTE LOCATIONS 14 AND 15 TO 19, REMOVE RADIO EQUIPMENT AND RETURN TO OWNER. COORDINATE WITH STREETS DEPT. FOR ACCESS TO TRAFFIC SIGNAL AND CONTROL ENCLOSURE.

**KEYNOTES, CONTINUED #**

9. 3RD AND WASHINGTON RADIO LOCATION #2. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM.
10. JAKE'S STEAKS, 708 NORTH 2ND ST. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. TWO (2) FIXED POSITION CAMERAS ARE LOCATED ON THE REAR OF THE BUILDING IN CLAYMORGAN ALLEY APPROXIMATELY 12 FEET ABOVE GRADE.
11. RAEDER PLACE, 727 NORTH 1ST ST. RADIO NODE IS LOCATED ON THE ROOF, RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM.
12. HOTEL LUMIERE. AFTER TRANSMISSION PATH IS RELOCATED AND TESTED BETWEEN KEYNOTE LOCATIONS 14 AND 15 TO 19, REMOVE RADIO EQUIPMENT ON ROOF AND RETURN TO OWNER. NON-PENETRATING ROOF MOUNT TO REMAIN IN PLACE. CONTRACTOR SHALL CAP 120V CIRCUIT IN EXISTING JUNCTION BOX AT THE MOUNT.
13. LUMIERE CASINO PARKING GARAGE. AFTER TRANSMISSION PATH IS RELOCATED AND TESTED BETWEEN KEYNOTE LOCATIONS 14 AND 15 TO 19, REMOVE RADIO EQUIPMENT ON ROOF AND RETURN TO OWNER. REMOVE ALL MOUNTING BRACKETS AND CAP 120 V IN JUNCTION BOX AT THE RADIO.
14. TRI-GEN OFFICE BUILDING. PAN/TILT/ZOOM CAMERA AND RADIO. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM AND RE-AIM ANTENNA TO COMMUNICATE TO RADIO DEFINED IN KEYNOTE 19.
15. PAN/TILT/ZOOM CAMERA AND RADIO AT WALL. POWER IS FROM TRI-GEN PRODUCTION. RE-CONFIGURE RADIO TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM AND RE-AIM ANTENNA TO COMMUNICATE TO RADIO DEFINED IN KEYNOTE 19.
16. POLE P3A-78. TWO FIXED POSITION AND ONE PAN/TILT/ZOOM TO BE LOCATED ON THE POLE, SEE SCHEDULE ON SHEET T4.00 FOR ADDITIONAL INFORMATION. CONTRACTOR FURNISHED AND INSTALLED FIRETIDE 7000 SERIES RADIO AND ANTENNA TO BE LOCATED ON THIS POLE TO TRANSCIVE SIGNALS TO EXISTING CAMERAS AT PORTE COCHERE, KEYNOTE 17 THIS SHEET AND SEE SHEET T1.11.
17. PORTE COCHERE. PAN/TILT/ZOOM CAMERA AND THERMAL IMAGING CAMERA ARE TO REMAIN. RADIO LOCATED ON NORTH END OF ROOF STRUCTURE TO BE REPLACED WITH NEW FIRETIDE 7000 SERIES RADIO AND ANTENNA, FOR TRANSMISSION OF SIGNALS TO POLE P3A-78, KEYNOTE 16 THIS SHEET. RADIO AND ANTENNA FURNISHED AND INSTALLED BY THIS CONTRACTOR.
18. FIRETIDE RADIO AND ANTENNAS TO BE REMOVED FOR RE-USE AT SOUTH END OF PROJECT AREA AT FIRE DEPARTMENT RIVER OPERATIONS. SEE T1.01 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL REMOVE POLE AND RETURN TO OWNER.
19. POLE P3-81. SEE SHEET T1.12 FOR ADDITIONAL INFORMATION. OTHERS TO FURNISH AND INSTALL FIRETIDE 6000 SERIES RADIO AND ANTENNAS FOR COMMUNICATION TO EXISTING CAMERAS DEFINED IN KEYNOTE LOCATIONS 14 AND 15. RADIO SHALL TERMINATE TO FIBER OPTIC NETWORK AT POLE P3-81



**SITE PLAN TECHNOLOGY**

NO.	DATE	REVISION DESCRIPTION

DESIGNED BY	DRAWN BY	CHECKED BY
NICWNU	KEEVE	NICRA

PROJECT NUMBER	DATE
15.0097.00	03/23/2015

SHEET DESCRIPTION  
**SITE PLAN TECHNOLOGY**

SHEET NUMBER  
**T0.01**

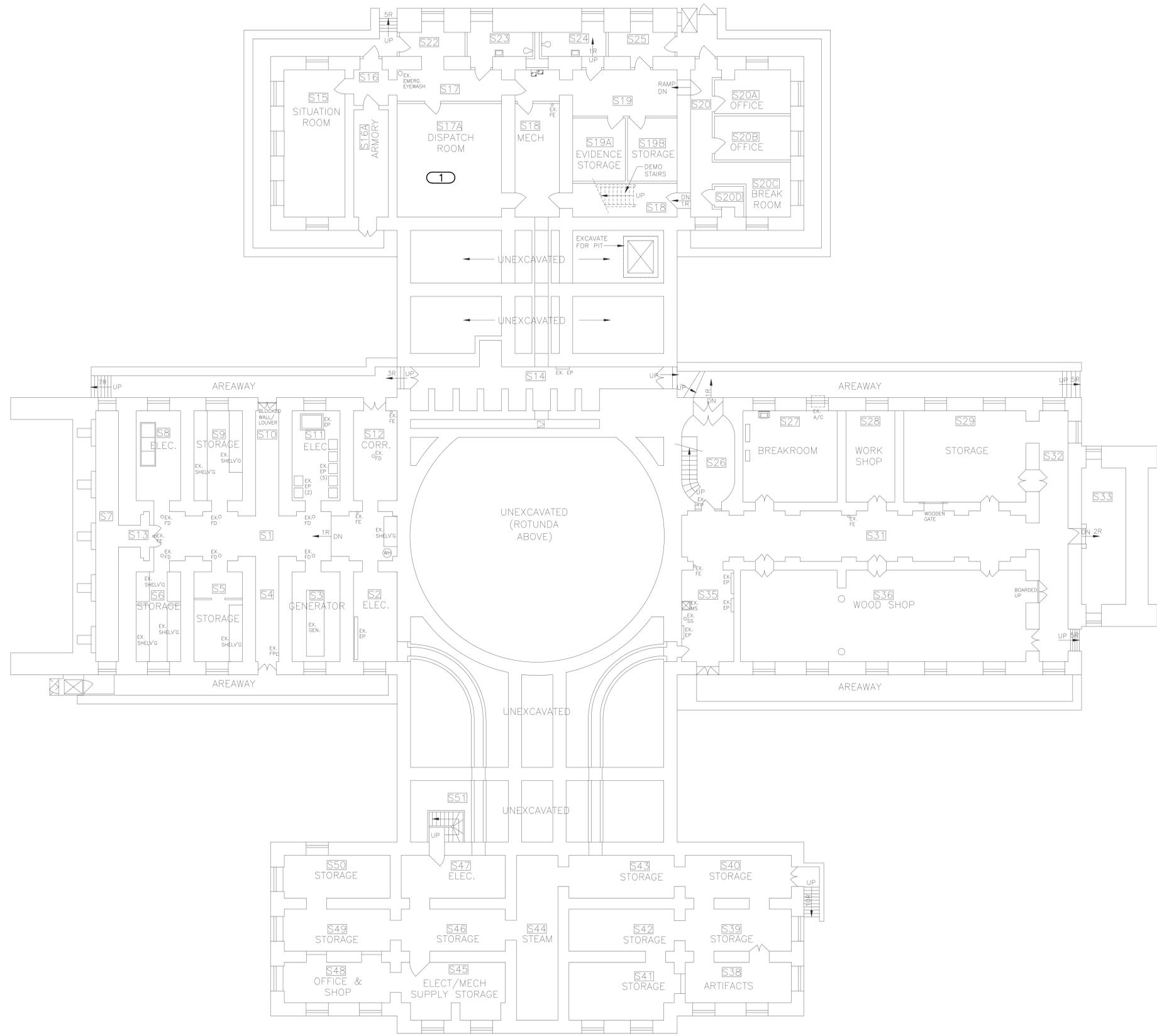
KJW ENGINEERING CONSULTANTS PROJECT NAME

**GENERAL NOTES**

1. CONDUIT AND FIBER ARE EXISTING FROM CITY OF ST. LOUIS TRAFFIC DEPT. ENCLOSURE INTO THE DISPATCH CENTER, ROOM S17A. FIBER SHALL BE TERMINATED AT BOTH ENDS BY OTHERS WITH LC CONNECTORS.
2. SEE 2/T3.00 FOR RISER DIAGRAM
3. CONTRACTOR SHALL COORDINATE WITH TRAFFIC DEPT. FOR WORK WITHIN TRAFFIC CONTROL ENCLOSURE. CONTRACTOR SHALL COORDINATE WITH NATIONAL PARK SERVICE FOR WORK WITHIN THE OLD COURTHOUSE.
4. CONTRACTOR SHALL FURNISH AND INSTALL NETWORK SWITCH IN TRAFFIC DEPT. ENCLOSURE. CONTRACTOR SHALL FURNISH AND INSTALL FIBER OPTIC PATCH CABLES FROM THE SWITCH TO THE TRAFFIC DEPT. DEFINED POINTS OF CONNECTION WITHIN THE ENCLOSURE. CONTRACTOR SHALL CONNECT FIBER OPTIC CABLES AT THE THE NETWORK SWITCH WHICH ROUTE INTO THE OLD COURT HOUSE.

**KEYNOTES #**

1. CONTRACTOR SHALL INSTALL AUTHORITY FURNISHED PC AT NATIONAL PARK SERVICE DEFINED LOCATION WITHIN DISPATCH ROOM. CONTRACTOR SHALL CONNECT FIBER OPTIC CABLES TO NEW NETWORK SWITCH. CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) CAT6 PATCH CABLE FROM SWITCH TO PC. CONTRACTOR SHALL INSTALL GENETEC CLIENT SOFTWARE ON PC AND CONFIGURE SYSTEM SO THAT LIVE AND RECORDED IMAGES CAN BE VIEWED ON THE PC. CONTRACTOR SHALL CONDUCT THREE (3) TRAINING SESSIONS OF TWO (2) HOURS EACH FOR EACH OF THREE (3) SHIFTS



**1 COURTHOUSE BASEMENT FLOOR PLAN**  
 SCALE: 1"=10'-0"

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

NO.	DATE	REVISION DESCRIPTION

DESIGNED BY	DRAWN BY	CHECKED BY
NICWNU	KEEVE	NICHRA
PROJECT NUMBER	DATE	
15.0097.00	03/23/2015	
SHEET DESCRIPTION		
COURTHOUSE BASEMENT FLOOR PLAN		
SHEET NUMBER		
T0.02		

KJW ENGINEERING CONSULTANTS PROJECT NAME



**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

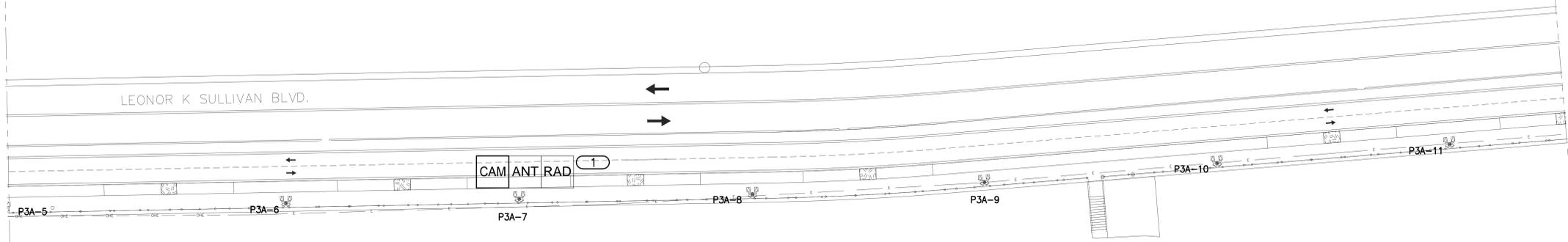
MATCH SHEET T1.00

MATCH SHEET T1.02

GRATIOT AVE.

CEDAR ST.  
(VAC. ORD. 1)

LEONOR K SULLIVAN BLVD.



**TECHNOLOGY PLAN**  
 STATIONS 16+00 to 22+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.

**KEYNOTES #**

1. CAMERAS 3,4,5. FINAL CONFIGURATION IS TO BE ONE PAN/TILT/ZOOM CAMERA, TWO THERMAL IMAGING CAMERAS AND ONE RADIO/ANTENNA LOCATED ON THIS POLE. RADIO AND ANTENNA RELOCATED FROM 3RD AND WASHINGTON BY OTHERS, TO COMMUNICATE WITH RADIO AT FIRE DEPARTMENT RIVER OPERATIONS FACILITY, SEE KEYNOTE 2, THIS SHEET. CAMERAS TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.
2. FIRE DEPARTMENT RIVER OPERATIONS FACILITY. EXISTING CAMERA TO REMAIN. EXISTING 6000 SERIES FIRE TIDE RADIO TO BE REPLACED WITH RE-LOCATED 7000 SERIES RADIO BY OTHERS. RADIO TO BE CONFIGURED TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM. ALL WORK THIS LOCATION BY OTHERS. FIRE DEPARTMENT CAMERA TO COMMUNICATE VIA RADIO TO FIBER OPTIC NETWORK AT POLE P3A-7

NO.	DATE	REVISION DESCRIPTION

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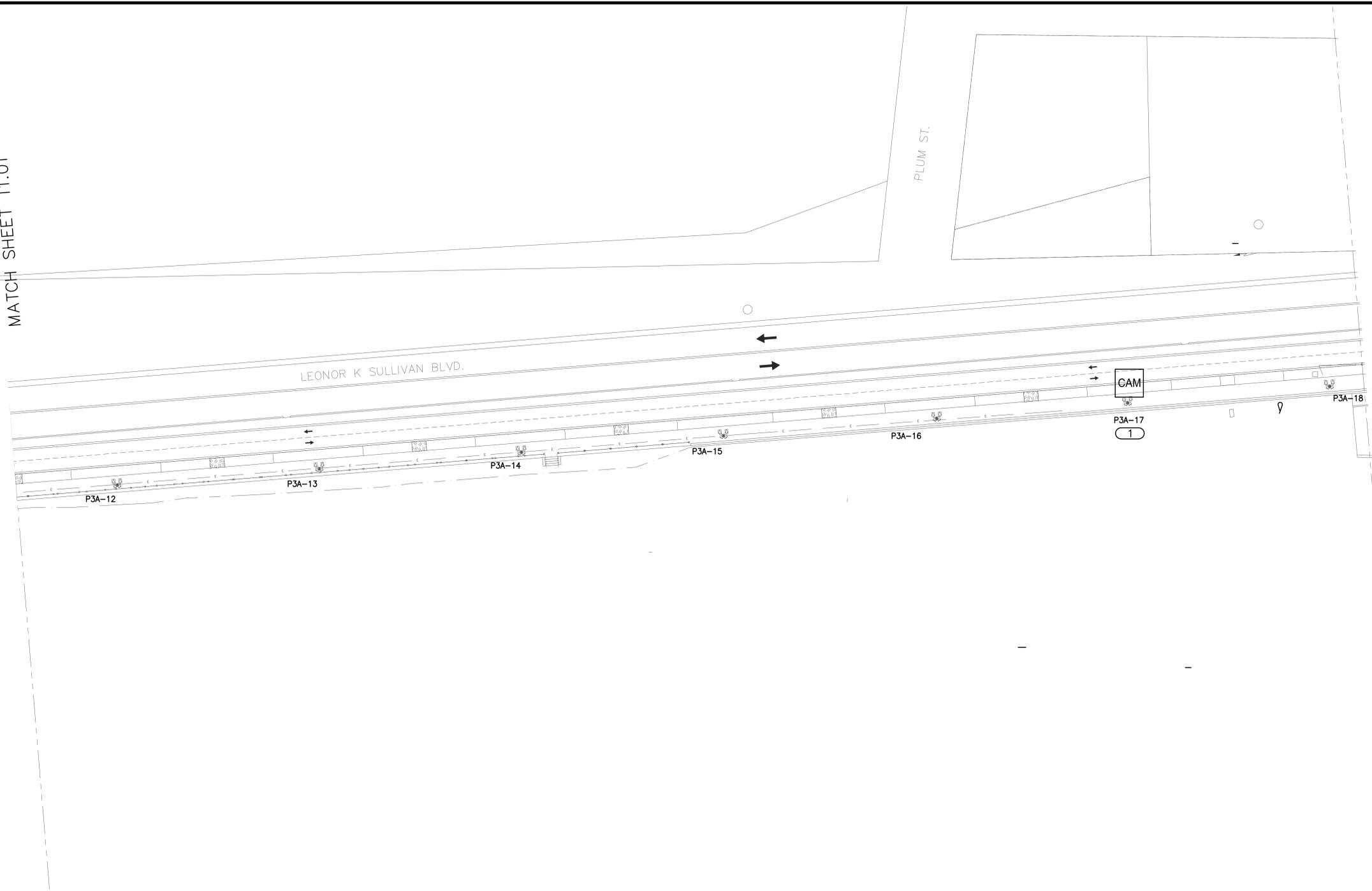
SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER  
**T1.01**

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

MATCH SHEET T1.01

MATCH SHEET T1.03



**TECHNOLOGY PLAN**  
 STATIONS 22+00 to 28+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE FURNISHED AND INSTALLED BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.

**KEYNOTES** #

1. CAMERA 6. ONE PAN/TILT/ZOOM CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

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NICWNU	KEIEVE	NICHRA
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PROJECT NUMBER	DATE
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15.0097.00	03/23/2015
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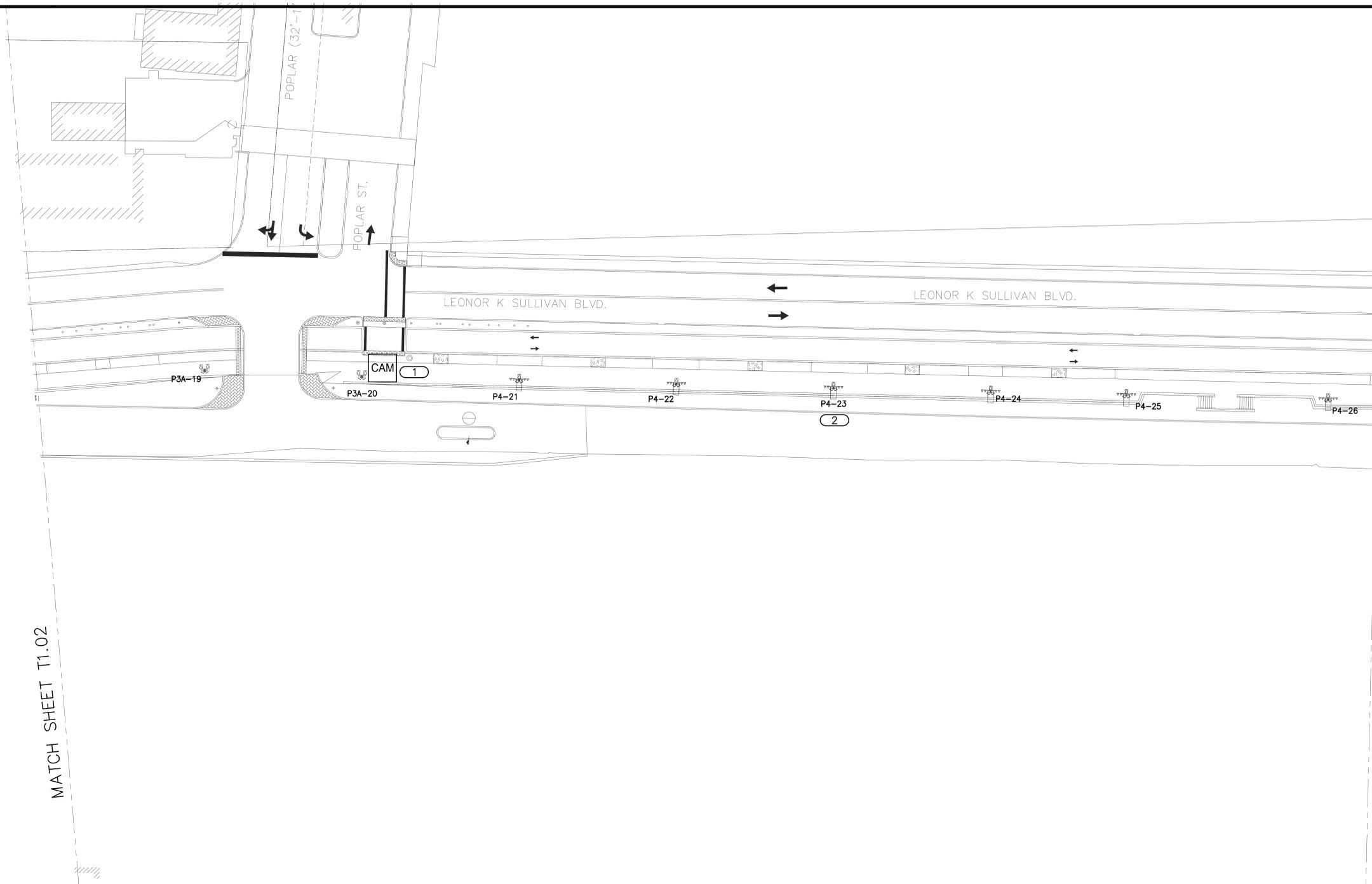
**TECHNOLOGY PLAN**

SHEET NUMBER

**T1.02**

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

MATCH SHEET T1.04



MATCH SHEET T1.02

**TECHNOLOGY PLAN**  
 STATIONS 28+00 to 34+00

GENERAL NOTES	
1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.	
KEYNOTES	
1.	CAMERAS 7,8,9. THREE FIXED POSITION CAMERAS TO BE FURNISHED AND INSTALLED BY OTHERS ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.
2.	CAMERA 10. ONE PAN/TILT/ZOOM CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

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15.0097.00	03/23/2015

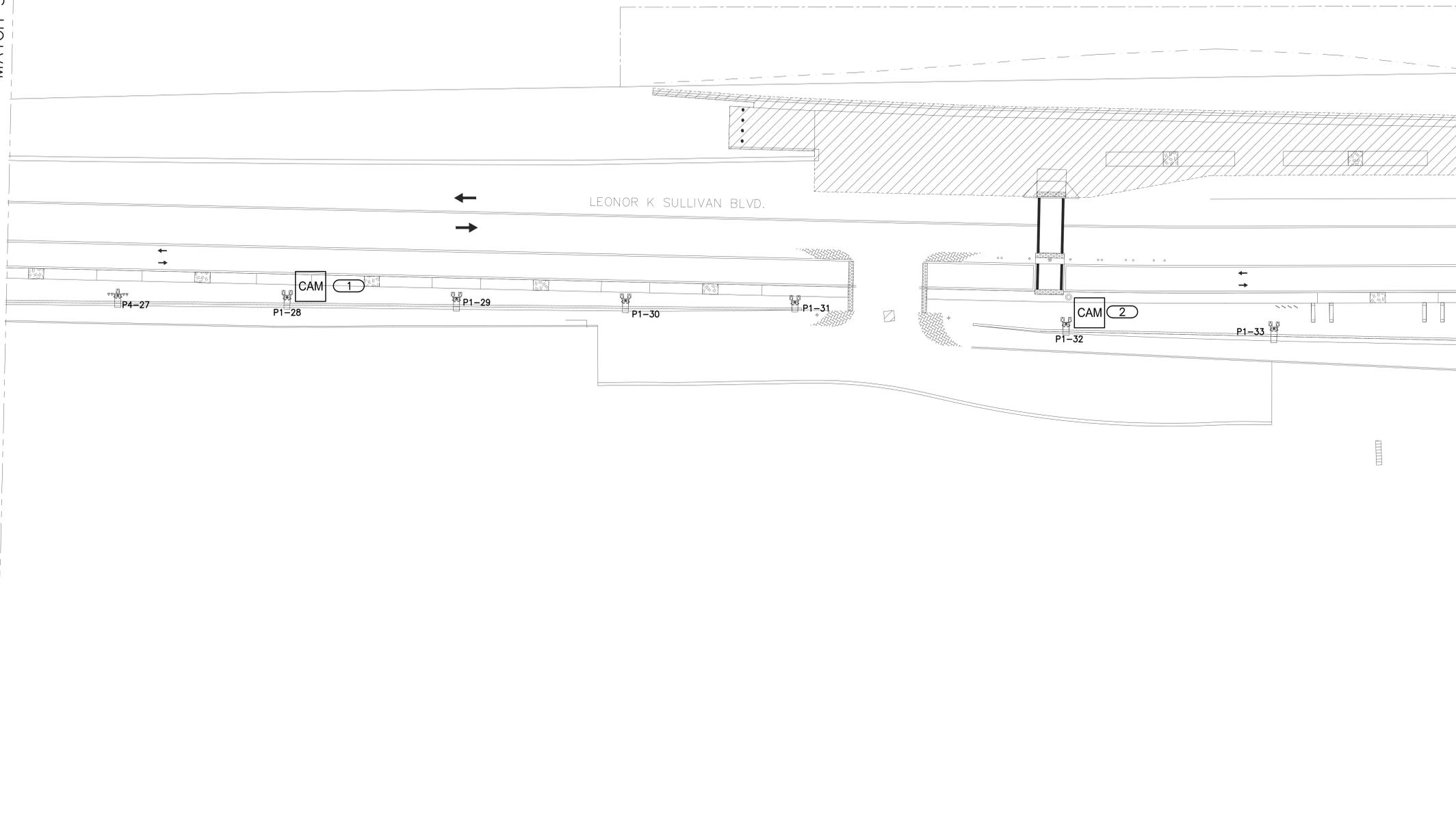
SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER  
**T1.03**

KJWW PROJECT NAME

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

MATCH SHEET T1.03



MATCH SHEET T1.05

**TECHNOLOGY PLAN**  
 STATIONS 34+00 to 40+00

GENERAL NOTES	
1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.	
KEYNOTES	
1. CAMERA 11. ONE FIXED POSITION CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE BY OTHERS. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.	
2. CAMERAS 12,13,14. TWO FIXED POSITION AND ONE PAN/TILT/ZOOM CAMERAS TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.	

NO.	DATE	REVISION DESCRIPTION

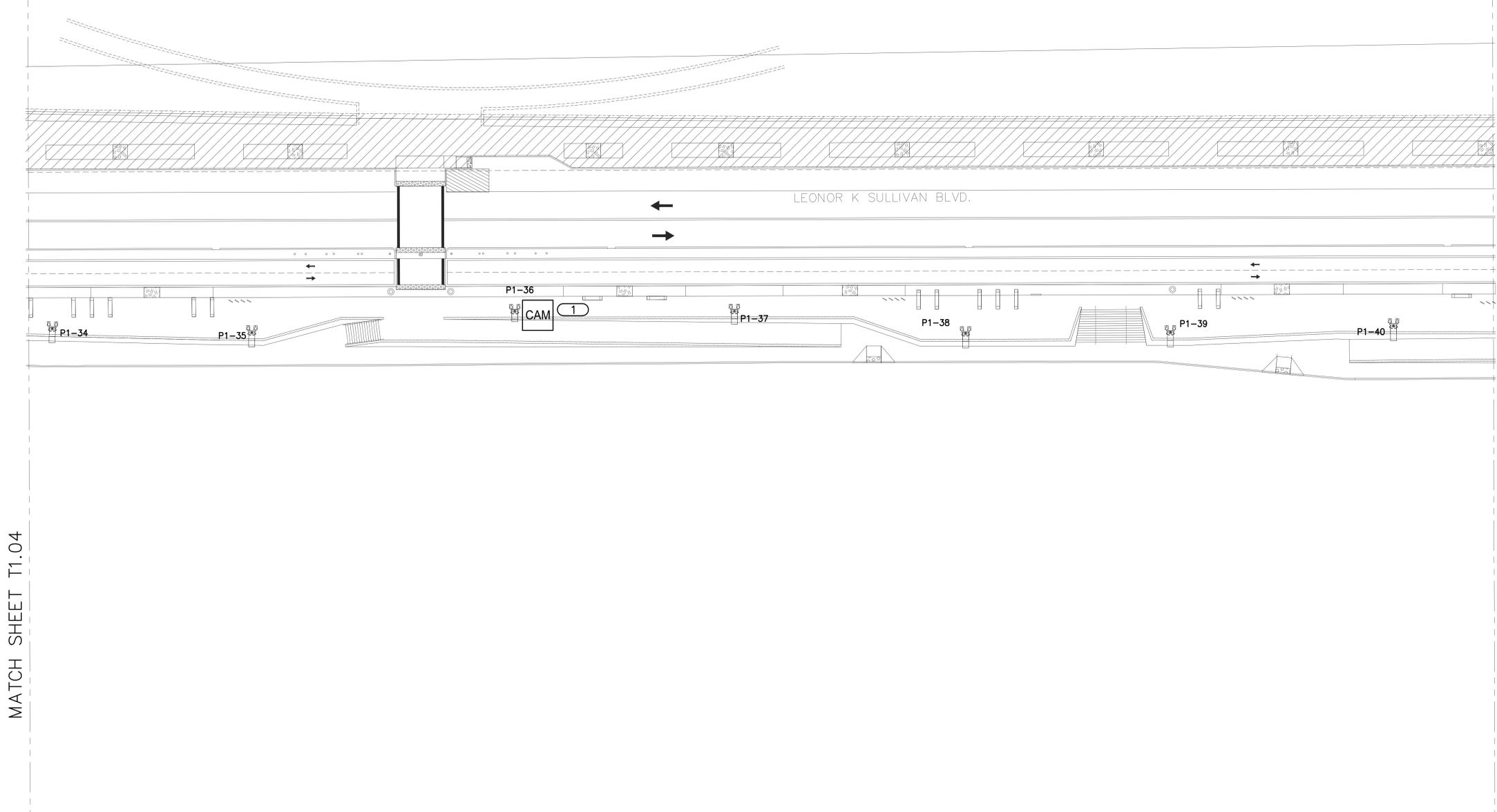
DESIGNED BY: NICWNU DRAWN BY: KEIEVE CHECKED BY: NICHRA

PROJECT NUMBER	DATE
15.0097.00	03/23/2015

SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER
<b>T1.04</b>

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**



MATCH SHEET T1.04

MATCH SHEET T1.06

**TECHNOLOGY PLAN**

STATIONS 40+00 to 46+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.

**KEYNOTES**

1. CAMERAS 15,16,17. THREE FIXED POSITION CAMERAS TO BE FURNISHED AND INSTALLED ON THIS POLE BY OTHERS. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

NO.	DATE	REVISION DESCRIPTION

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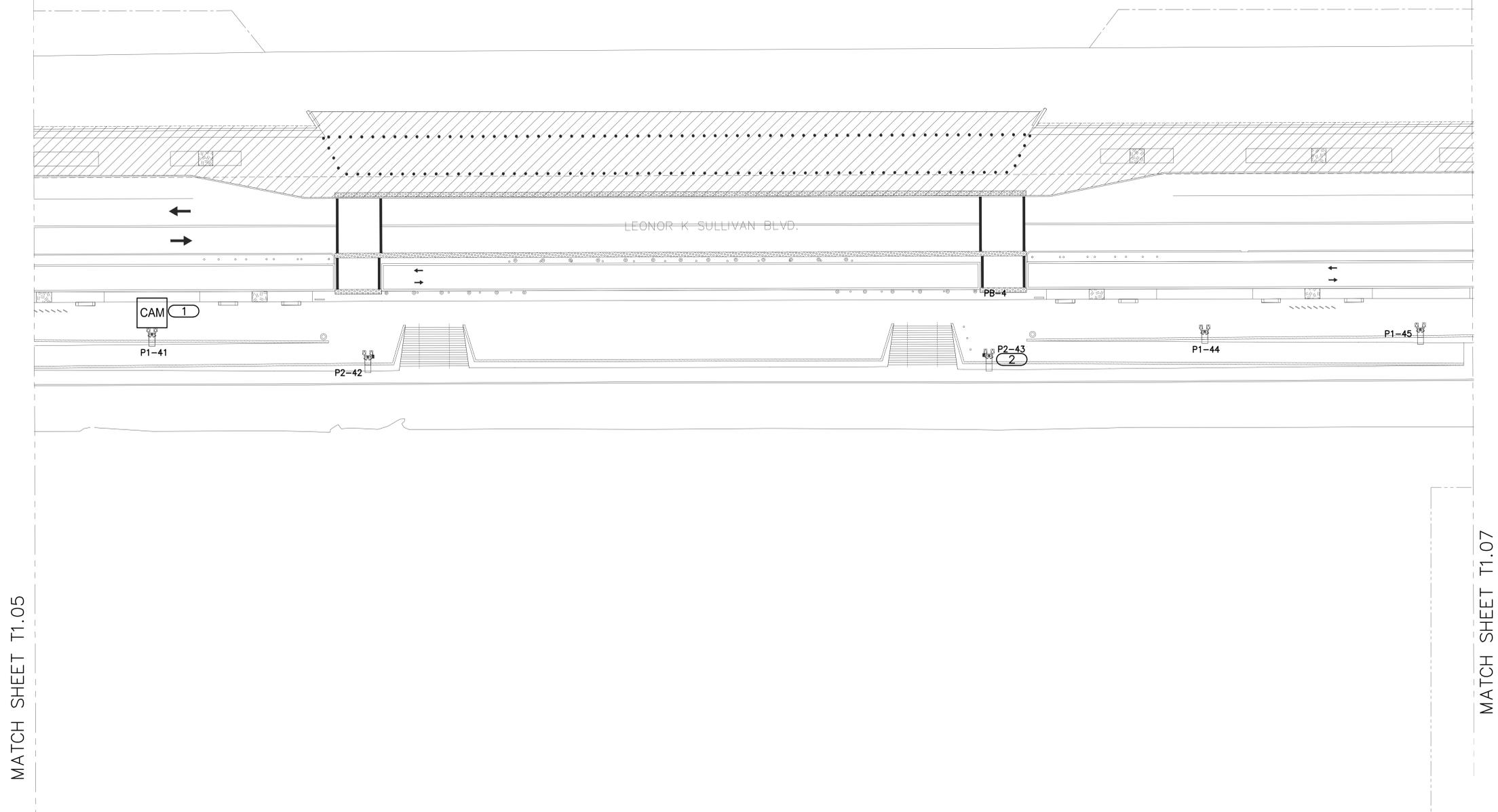
PROJECT NUMBER	DATE
15.0097.00	03/23/2015

SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER  
**T1.05**

KJWW ENGINEERING CONSULTANTS PROJECT NAME

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**



**TECHNOLOGY PLAN**

STATIONS 46+00 to 52+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.

**KEYNOTES** #

- CAMERAS 18,19,20. TWO FIXED POSITION CAMERAS AND ONE PAN/TILT/ZOOM CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.
- CAMERAS 21,22,23. TWO FIXED POSITION CAMERAS AND ONE PAN/TILT/ZOOM CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

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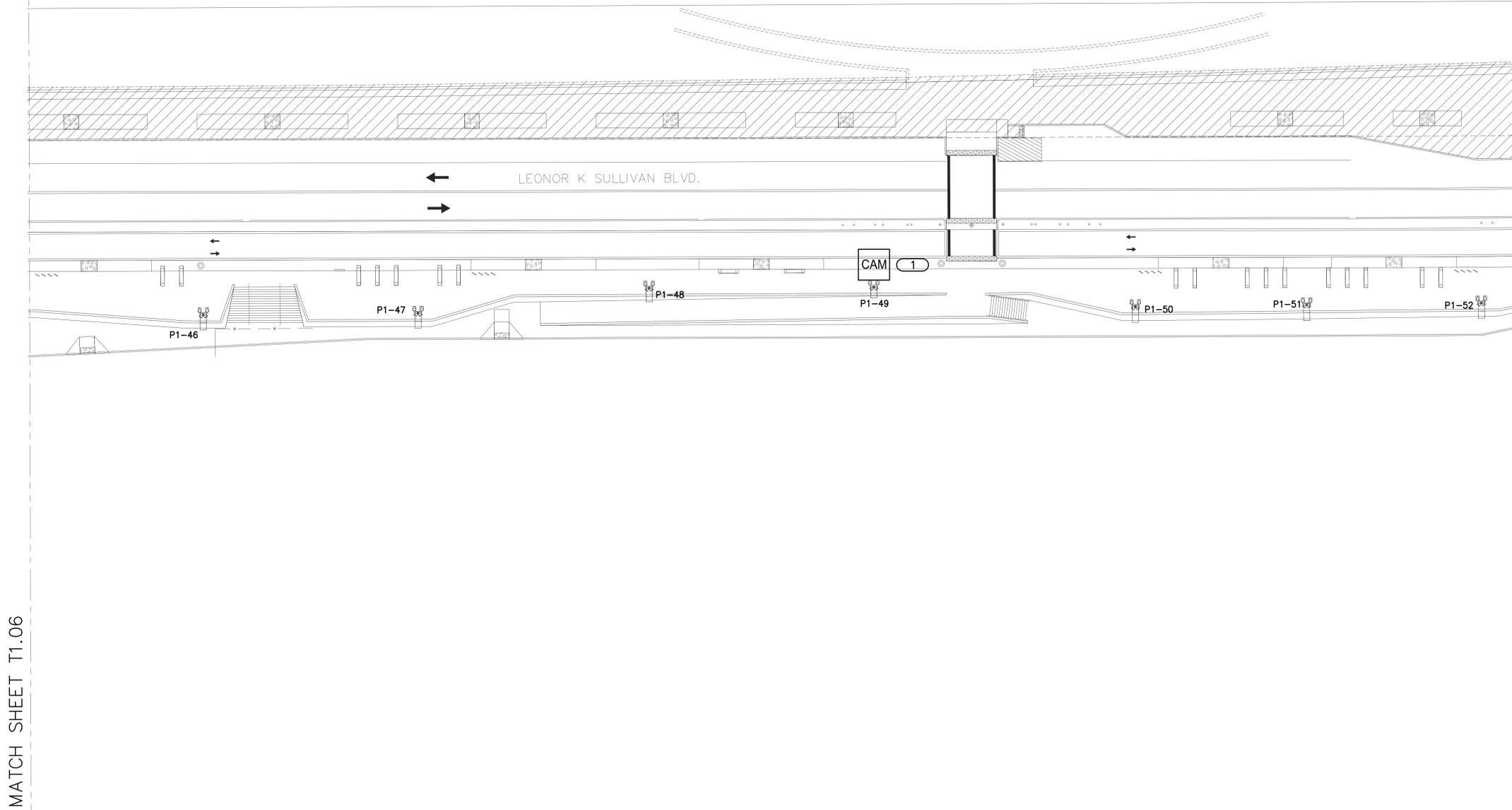
PROJECT NUMBER: DATE:  
 15.0097.00 03/23/2015

SHEET DESCRIPTION:  
 TECHNOLOGY PLAN

SHEET NUMBER:  
 T1.06

KJWW PROJECT NAME

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**



**TECHNOLOGY PLAN**  
 STATIONS 52+00 to 58+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.

**KEYNOTES** #

1. CAMERAS 24,25,26. THREE FIXED POSITION CAMERAS TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

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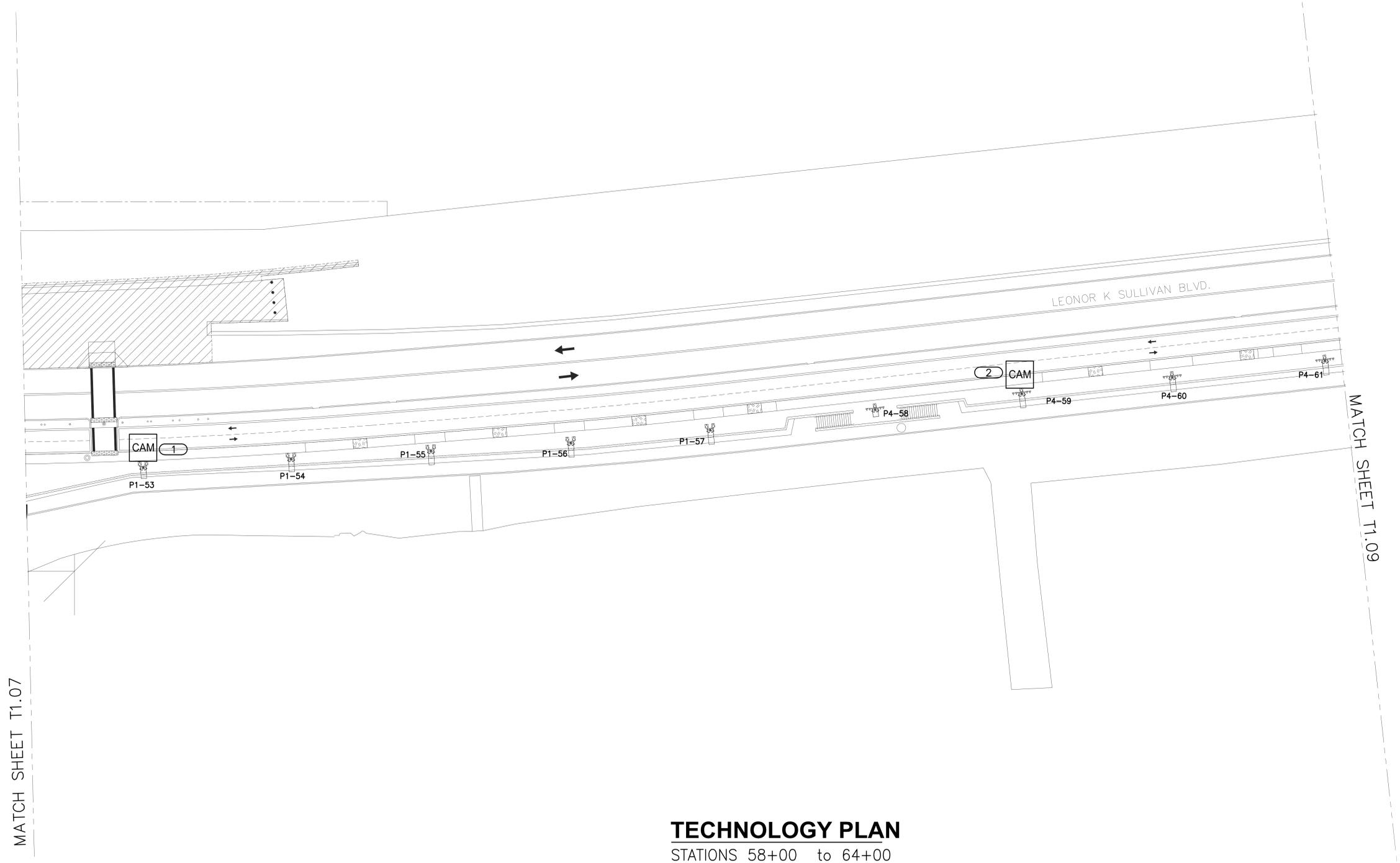
PROJECT NUMBER	DATE
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15.0097.00	03/23/2015
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SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER

**T1.07**



**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

**TECHNOLOGY PLAN**  
 STATIONS 58+00 to 64+00

- GENERAL NOTES**
- FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.
- KEYNOTES #**
- CAMERA 27. ONE PAN/TILT/ZOOM CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.
  - CAMERAS 28,29,30. THREE FIXED POSITION CAMERAS TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

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SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

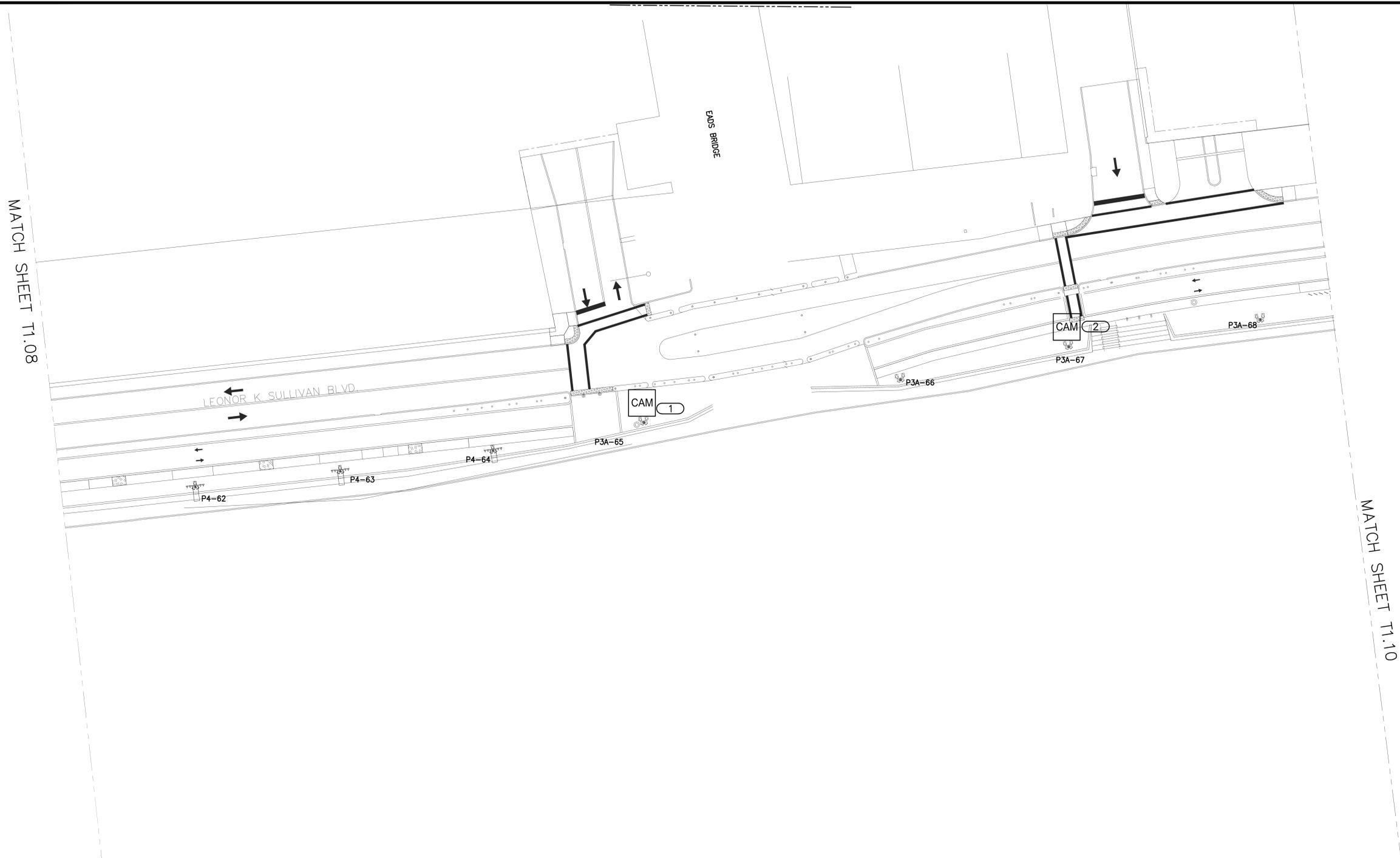
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**T1.08**

KJWW ENGINEERING CONSULTANTS PROJECT NAME

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

MATCH SHEET T1.08

MATCH SHEET T1.10



**TECHNOLOGY PLAN**  
 STATIONS 64+00 to 70+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.

**KEYNOTES**

- CAMERAS 31,32. TWO PAN/TILT/ZOOM CAMERAS TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.
- CAMERAS 33,34. TWO FIXED POSITION CAMERAS TO BE FURNISHED AND INSTALLED BY OTHERS ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

NO.	DATE	REVISION DESCRIPTION

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PROJECT NUMBER	DATE
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SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER  
**T1.09**

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

NO.	DATE	REVISION DESCRIPTION

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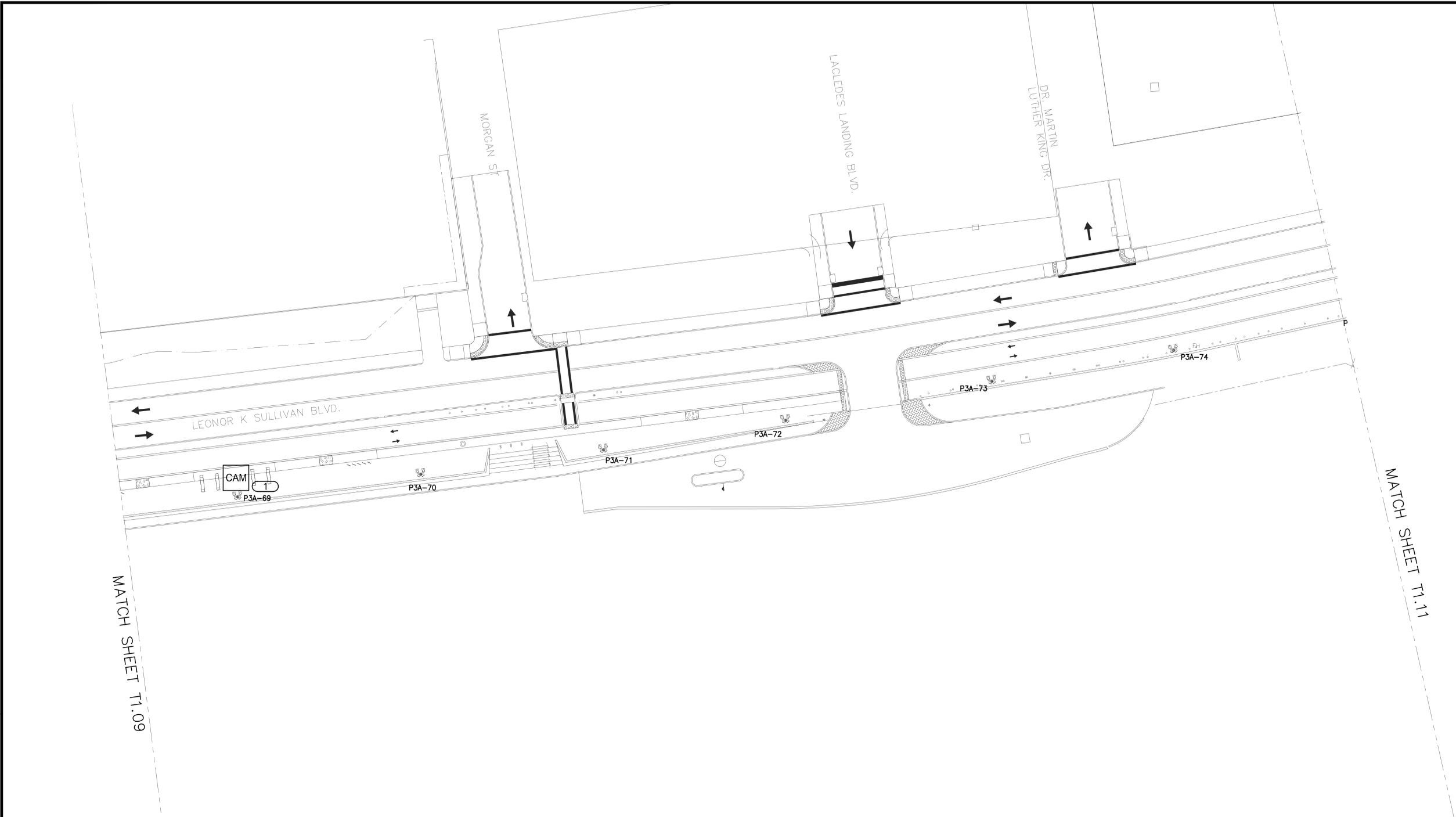
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15.0097.00	03/23/2015

SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER  
**T1.10**

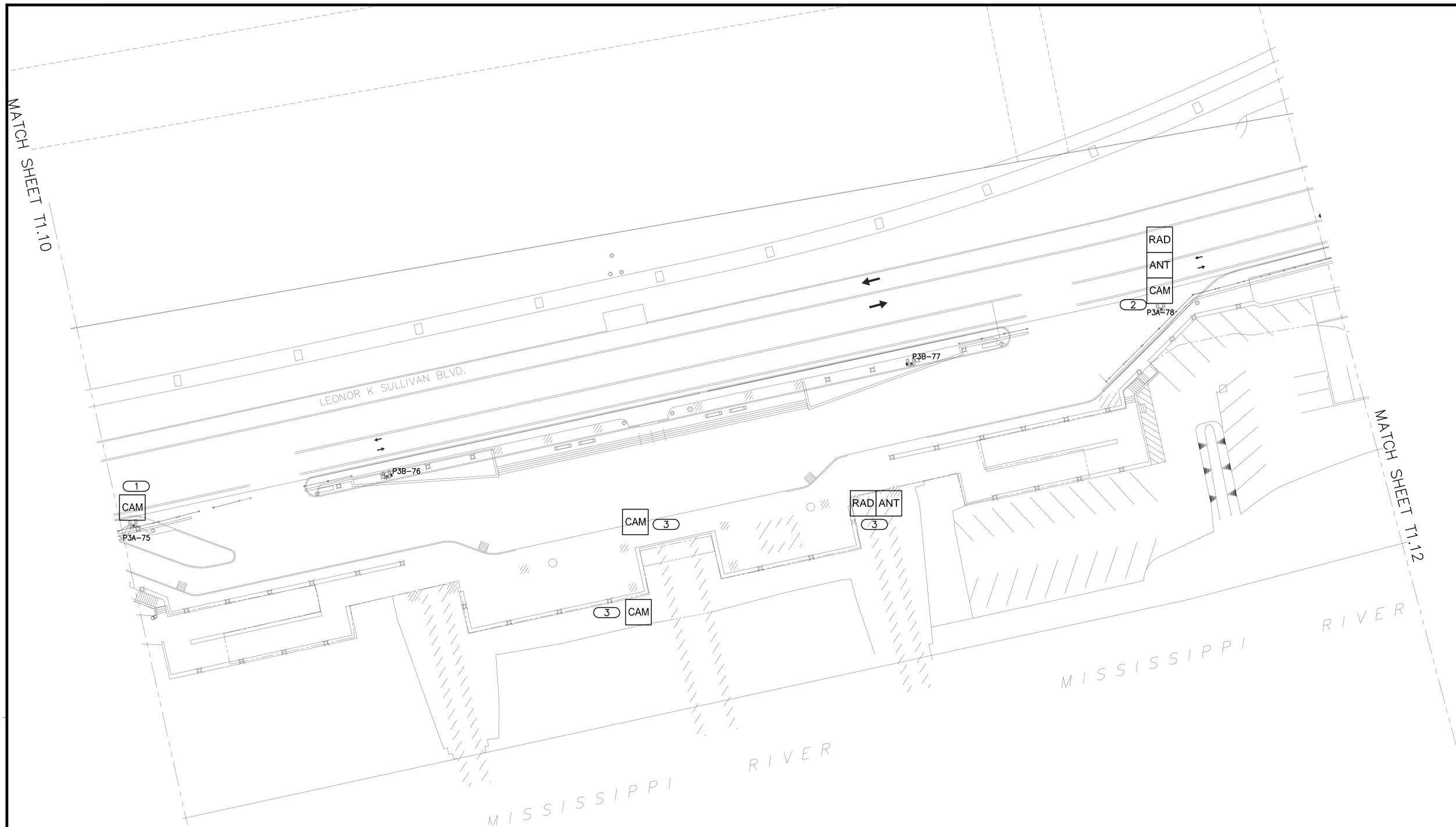


**TECHNOLOGY PLAN**  
 STATIONS 70+00 to 76+00

- GENERAL NOTES**
- FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.
- KEYNOTES** #
- CAMERAS 35,36. TWO THERMAL IMAGING CAMERAS TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.

KJWW PROJECT NAME

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**



**TECHNOLOGY PLAN**  
 STATIONS 76+00 to 82+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.
2. REFER TO SHEET T0.01 FOR ADDITIONAL INFORMATION FOR WORK AT LOCATIONS DEFINED ON THIS SHEET.

**KEYNOTES #**

1. CAMERAS 37,38,39. TWO FIXED POSITION CAMERAS AND ONE PAN/TILT/ZOOM CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION.
2. CAMERAS 40,41,42. TWO FIXED POSITION CAMERAS AND ONE PAN/TILT/ZOOM CAMERA TO BE FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE T4.00 FOR ADDITIONAL INFORMATION. ONE RADIO AND ANTENNA TO BE FURNISHED AND INSTALLED ON THIS POLE BY THIS CONTRACTOR FOR TRANSCIEIVING OF SIGNALS TO CAMERAS AT PORTE COCHERE, KEYNOTE #3.
3. EXISTING PAN/TILT/ZOOM CAMERA, THERMAL IMAGING CAMERA TO REMAIN. CONTRACTOR SHALL REPLACE EXISTING FIRETIDE 6000 SERIES RADIO AND ANTENNA WITH A 7000 SERIES RADIO AND ANTENNA. EXISTING RADIO LOCATION IS AT THE NORTH END OF THE ROOF STRUCTURE. AIM ANTENNA TO TRANSMIT TO POLE P3A-78 REFERENCED IN KEYNOTE #2 THIS SHEET. RADIOS TO BE CONFIGURED FOR OPERATION ON THE 4.9 GHZ PUBLIC SAFETY SPECTRUM.

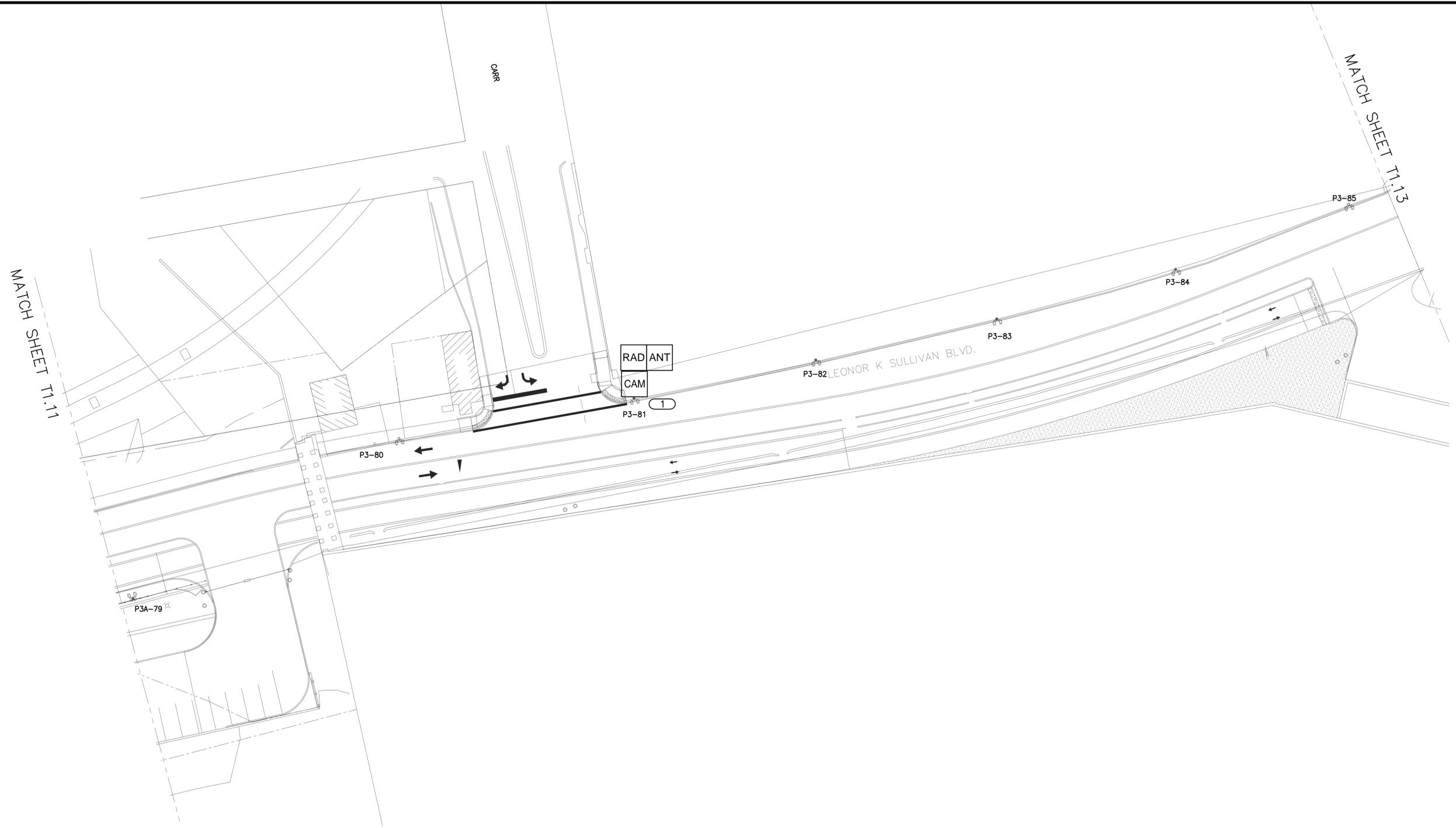
NO.	DATE	REVISION DESCRIPTION

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PROJECT NUMBER	DATE
15.0097.00	03/23/2015

SHEET DESCRIPTION  
**TECHNOLOGY PLAN**

SHEET NUMBER  
**T1.11**



**TECHNOLOGY PLAN**  
 STATIONS 82+00 to 88+00

**GENERAL NOTES**

1. FIBER, NETWORK INFRASTRUCTURE, POLE MOUNTED CAMERA CONTROL ENCLOSURE, FIBER CONNECTOR PANEL IN ENCLOSURE, NETWORK SWITCH IN ENCLOSURE AND 120V POWER TO ENCLOSURE ARE BY OTHERS. SEE RISER DIAGRAMS ON T3.00 FOR CONNECTION INFORMATION.

**KEYNOTES**

1. CAMERAS 43,44,45. TWO FIXED POSITION CAMERAS AND ONE PAN/TILT/ZOOM CAMERA FURNISHED AND INSTALLED ON THIS POLE. REFER TO SCHEDULE ON T4.00 FOR ADDITIONAL INFORMATION. ONE RADIO AND REQUIRED ANTENNAS TO BE INSTALLED ON THIS POLE BY OTHERS FOR COMMUNICATION TO EXISTING CAMERAS AT TRI-GEN AND ON THE FLOOD WALL. SEE SHEET T0.01 FOR ADDITIONAL LOCATION INFORMATION. RADIOS AND ANTENNAS SHALL BE FROM PRIOR REMOVED EQUIPMENT.

**CENTRAL RIVERFRONT  
 LEONOR K SULLIVAN  
 BOULEVARD & BIKEWAY  
 ST. LOUIS, MISSOURI**

NO.	DATE	REVISION DESCRIPTION

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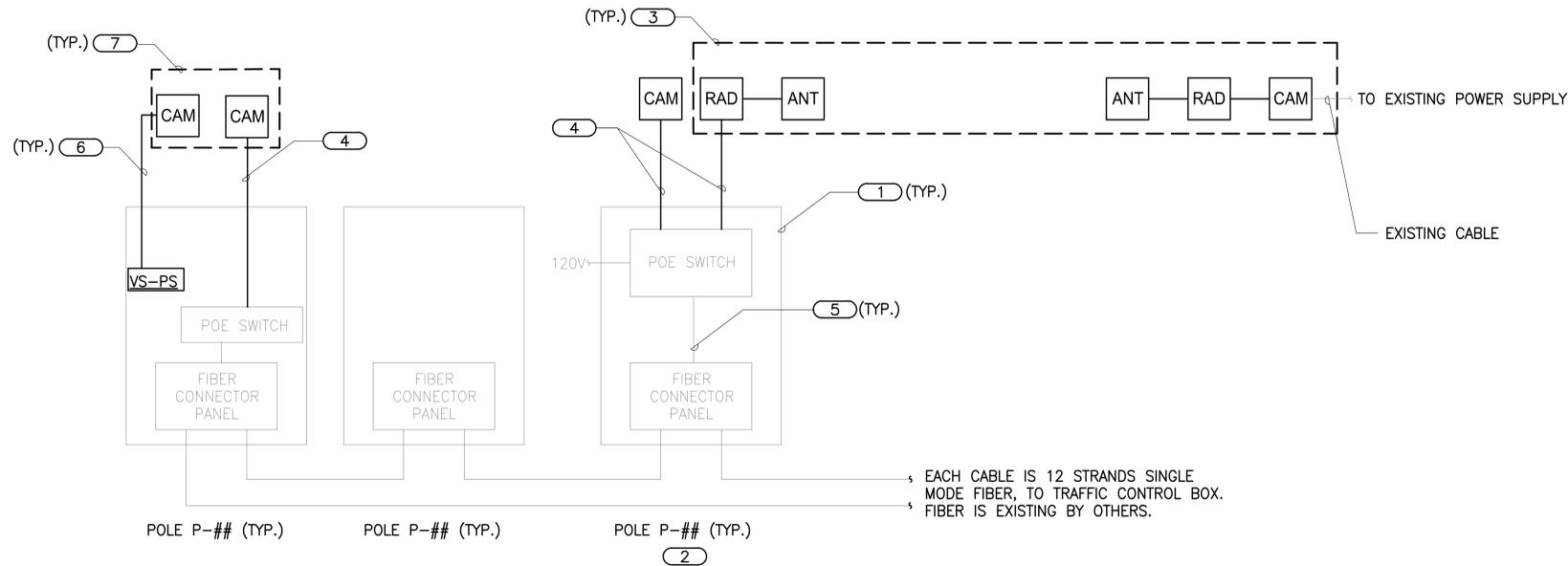
PROJECT NUMBER: 15.0097.00    DATE: 03/23/2015

SHEET DESCRIPTION: TECHNOLOGY PLAN

SHEET NUMBER: T1.12

KJW150315-0001-01 PROJECT NAME





EACH CABLE IS 12 STRANDS SINGLE MODE FIBER, TO TRAFFIC CONTROL BOX. FIBER IS EXISTING BY OTHERS.

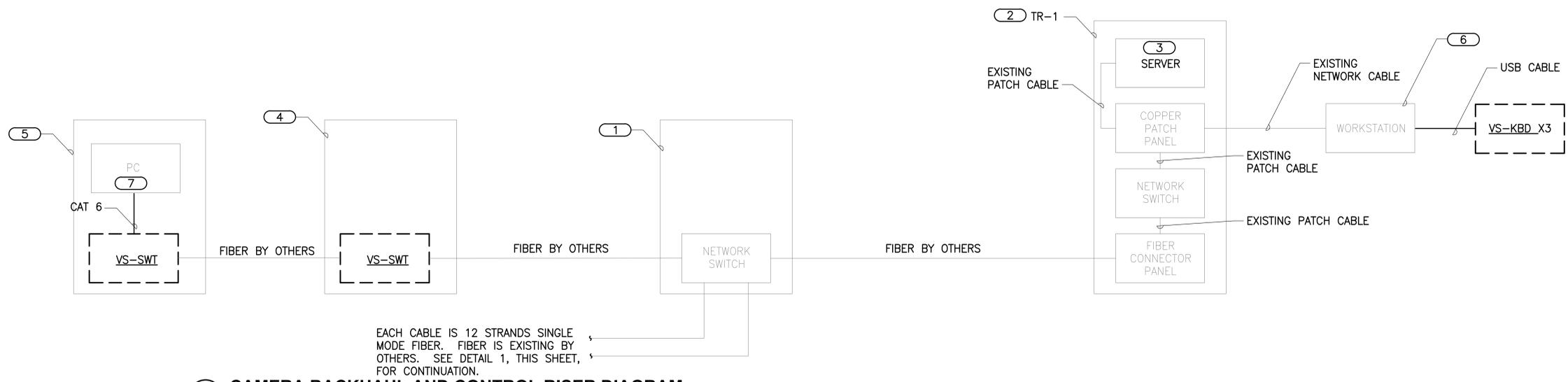
**1 CAMERA SITES RISER DIAGRAM**

NO SCALE  
 NOTES:

- CONTROL ENCLOSURES AND ALL INTERIOR DEVICES ARE BY OTHERS UNLESS NOTED OTHERWISE.
- CABLES FROM CAMERAS AND RADIOS SHALL BE ROUTED THROUGH THE ASSOCIATED MOUNTING BRACKETS AND INTO THE POLE. SEE DETAILS ON SHEET T2.00 FOR ADDITIONAL INFORMATION.
- RADIOS SHALL BE CONFIGURED TO OPERATE ON THE 4.9 GHz PUBLIC SAFETY SPECTRUM.
- ALL CAMERAS SHALL BE POWERED POE FROM THE NETWORK SWITCH UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL INCLUDE IN THEIR BID LICENSING FOR TWENTY FIVE (25) GENETEC GSC-OM-E-1C CAMERA LICENSES IN THE VMS. FORTY FIVE (45) EXISTING LICENCES SHALL BE RE-USED. THIS QUANTITY INCLUDES TWO (2) LICENSES FOR EACH COMBINATION VISIBLE AND THERMAL CAMERA ON ONE MOUNT.
- DEVICES SHALL BE GROUNDED PER MANUFACTURERS SPECIFICATIONS TO GROUNDING POINT IN CONTROL ENCLOSURE.
- PROVIDE TWO (2) FIXED POSITION CAMERAS, TWO (2) PAN/TILT/ZOOM CAMERAS AND ONE (1) VS-SWT AS SUPPLEMENTAL MATERIALS

KEYNOTES:

- CONTROL ENCLOSURE AND 120V PROVIDED INSIDE OF THE ENCLOSURE BY OTHERS, NETWORK SWITCH AND FIBER CONNNECTOR PANEL PROVIDED IN THE ENCLOSURE BY OTHERS.
- FOR CLARITY, NOT ALL POLES ARE SHOWN. REFER TO SCHEDULE, SHEET T4.00 AND PLANS, FOR LOCATIONS OF POLES WITH CAMERAS.
- WIRELESSLY CONNTECTED CAMERA, SEE PLANS FOR LOCATION INFORMATION. THE RADIO AT THE NETWORK SWITCH SIDE IS TO BE POWERED VIA 120 V SUPPLIED IN THE CONTROL ENCLOSURE.
- CAT 6 OSP CABLE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- FIBER PATCH CABLE, BY OTHERS.
- 14/2 FOR POWER.
- COMBINATION THERMAL CAMERA AND VISIBLE CAMERA ON ONE MOUNT. SEE SCHEDULE ON SHEET T4.00 AND PLANS FOR LOCATION INFORMATION. VS-PS POWERED BY 120 V PROVIDED INSIDE OF CONTROL ENCLOSURE.



EACH CABLE IS 12 STRANDS SINGLE MODE FIBER. FIBER IS EXISTING BY OTHERS. SEE DETAIL 1, THIS SHEET, FOR CONTINUATION.

**2 CAMERA BACKHAUL AND CONTROL RISER DIAGRAM**

NO SCALE  
 NOTES:

- ALL DEVICES ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- EXISTING EQUIPMENT AT THE HEAD END AT THE POLICE HEADQUARTERS INCLUDES FIRETIDE WIRELESS HARDWARE AND SOFTWARE TO BE RE-USED.

KEYNOTES:

- TRAFFIC CONTROL ENCLOSURE, EXISTING, 3RD AND CARR.
- ST. LOUIS POLICE HEADQUARTERS, 1915 OLIVE STREET, ROOM 623.
- AN EXISTING SERVER WILL BE IN PLACE AT THE POLICE HEADQUARTERS. THIS CONTRACTOR SHALL INSTALL AND CONFIGURE NEW, OWNER FURNISHED DIRECTORY AND STORAGE SERVERS TO REPLACE EXISTING. SEE SPECIFICATION SECTION 28 23 00 FOR REFERENCE INFORMATION AS TO SERVER SPECIFICATIONS. CONTRACTOR SHALL CONFIGURE ALL SYSTEM CAMERAS ON THE SERVERS AND WORKSTATIONS. EXISTING VMS AND DATABASE SOFTWARE AND LICENSING SHALL BE TRANSFERRED BY CONTRACTOR FROM EXISTING SERVER TO NEW SERVER.
- TRAFFIC CONTROL ENCLOSURE OUTSIDE OF OLD COURTHOUSE.
- OLD COURTHOUSE DISPATCH ROOM, SEE SHEET T0.02 FOR LOCATION AND ADDITIONAL INFORMATION.
- TOTAL OF FOUR (4) AUTHORITY FURNISHED WORKSTATIONS. CONTRACTOR SHALL INSTALL AND CONFIGURE FOR SYSTEM MONITORING.
- AUTHORITY FURNISHED, CONTRACTOR INSTALLED AND CONFIGURED PC. SEE T0.02 FOR ADDITIONAL INFORMATION

NO.	DATE	REVISION DESCRIPTION

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NICWNU	KIEVEE	NICBRA

PROJECT NUMBER	DATE
15.0097.00	03/23/2015

SHEET DESCRIPTION  
**TECHNOLOGY RISERS**

SHEET NUMBER  
**T3.00**

# VIDEO SURVEILLANCE -INDIVIDUAL CAMERA REQ.SCHEDULE

CAM #	PLAN REF	POLE #	CAM TYPE	MOUNTING HEIGHT	FIELD OF VIEW	COMMENTS	REFERENCE DETAILS
3	T1.01	P3A-7	PTZ	24'	EAST		2/T2.00
4	T1.01	P3A-7	FLIR THERMAL	24'	NORTH EAST		2/T2.00
5	T1.01	P3A-7	FLIR THERMAL	24'	SOUTH EAST		2/T2.00
6	T1.02	P3A-17	PTZ	24'	EAST		2/T2.00
10	T1.03	P4-23	PTZ	24'	EAST		1/T2.00
12	T1.04	P1-32	FIXED	24'	NORTH		1/T2.00
13	T1.04	P1-32	FIXED	24'	SOUTH		1/T2.00
14	T1.04	P1-32	PTZ	24'	WEST		1/T2.00
18	T1.06	P2-41	FIXED	24'	NORTH		1/T2.00
19	T1.06	P2-41	FIXED	24'	SOUTH		1/T2.00
20	T1.06	P2-41	PTZ	24'	WEST		1/T2.00
21	T1.06	P2-43	FIXED	24'	NORTH		1/T2.00
22	T1.06	P2-43	FIXED	24'	SOUTH		1/T2.00
23	T1.06	P2-43	PTZ	24'	WEST		1/T2.00
24	T1.07	P1-49	FIXED	24'	NORTH		1/T2.00
25	T1.07	P1-49	FIXED	24'	SOUTH		1/T2.00
26	T1.07	P1-49	FIXED	24'	EAST		1/T2.00
27	T1.08	P1-53	PTZ	24'	WEST		1/T2.00
28	T1.08	P4-59	FIXED	24'	NORTH		1/T2.00
29	T1.08	P4-59	FIXED	24'	SOUTH		1/T2.00
30	T1.08	P4-59	FIXED	24'	EAST		1/T2.00
31	T1.09	P3A-65	PTZ	24'	EAST		2/T2.00
32	T1.09	P3A-65	PTZ	24'	WEST		2/T2.00
33	T1.09	P3A-67	FIXED	24'	NORTH		2/T2.00
34	T1.09	P3A-67	FIXED	24'	SOUTH		2/T2.00
35	T1.10	P3A-69	FLIR THERMAL	24'	NORTH		2/T2.00
36	T1.10	P3A-69	FLIR THERMAL	24'	SOUTH		2/T2.00
37	T1.11	P3A-75	FIXED	24'	SOUTH		2/T2.00
38	T1.11	P3A-75	FIXED	24'	NORTH		2/T2.00
39	T1.11	P3A-75	PTZ	24'	EAST		2/T2.00
40	T1.11	P3A-78	FIXED	24'	NORTH		2/T2.00
41	T1.11	P3A-78	FIXED	24'	EAST		2/T2.00
42	T1.11	P3A-78	PTZ	24'	SOUTH		2/T2.00
43	T1.12	P3-81	FIXED	24'	NORTH		2/T2.00
44	T1.12	P3-81	FIXED	24'	SOUTH		2/T2.00
45	T1.12	P3-81	PTZ	24'	WEST		2/T2.00

- NOTES:**
- THIS SCHEDULE DEFINES DEVICES WHICH SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
  - MOUNTING HEIGHT IS APPROXIMATE. COORDINATE EXACT HEIGHT AFTER POLES ARE INSTALLED.
  - SEE KEYNOTES 1 AND 2, SHEET T1.01, FOR COMPLETE DESCRIPTION OF WORK TO BE PERFORMED AT POLE P3A-7.

# VIDEO SURVEILLANCE -INDIVIDUAL CAMERA REQ.SCHEDULE

CAM #	PLAN REF	POLE #	CAM TYPE	MOUNTING HEIGHT	FIELD OF VIEW	COMMENTS	REFERENCE DETAILS
1	T1.00	P3-1	FIXED	24'	SOUTH		2/T2.00
2	T1.00	P3-1	PTZ	24'	SOUTHEAST		2/T2.00
7	T1.03	P3A-20	FIXED	24'	NORTH		2/T2.00
8	T1.03	P3A-20	FIXED	24'	SOUTH		2/T2.00
9	T1.03	P3A-20	FIXED	24'	WEST		2/T2.00
11	T1.04	P1-28	FIXED	24'	EAST		1/T2.00
15	T1.05	P1-36	FIXED	24'	NORTH		1/T2.00
16	T1.05	P1-36	FIXED	24'	SOUTH		1/T2.00
17	T1.05	P1-36	FIXED	24'	EAST		1/T2.00

- NOTES:**
- THIS SCHEDULE DEFINES DEVICES WHICH SHALL BE FURNISHED AND INSTALLED BY OTHERS. IT IS SHOWN AS REFERENCE ONLY IN THESE PLANS
  - MOUNTING HEIGHT IS APPROXIMATE. COORDINATE EXACT HEIGHT AFTER POLES ARE INSTALLED.
  - SEE KEYNOTES 1 AND 2, SHEET T1.01, FOR COMPLETE DESCRIPTION OF WORK TO BE PERFORMED AT POLE P3A-7

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NICWNU	KEIEVE	NICRA
PROJECT NUMBER	DATE	
15.0097.00	03/23/2015	

SHEET DESCRIPTION  
**TECHNOLOGY  
 SCHEDULES**

SHEET NUMBER  
**T4.00**

