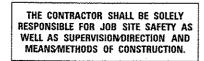
06-14-13 LETTING ITEM 199

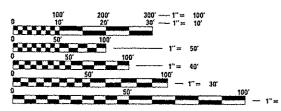
<u>SHEET</u>

<u>NO.</u>	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES
3	GENERAL NOTES
4	OVERALL MAP OF PROJECT SITE LOCATIONS
5	IDOT ETP BUILDING / DAN RYAN & W. 33RD ST.
6	ISP DISTRICT CHICAGO / COOK COUNTY SHERIFF (MAINE NORTH)
7	IDOT BUILDING E (KENNEDY / EDENS)
8	ONE LINE DIAGRAMS
9	RADIO, ANTENNA, & EQUIPMENT DETAILS - IDOT ETP / DAN RYAN
10–15	VIDEO WALL UPGRADE, D1 HQ
16	VIDEO WALL UPGRADE, TSC
17	DETAILS (1 OF 3)
18	DETAILS (2 OF 3)
19	DETAILS (3 OF 3)
	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)
20A.	TC-17 TRAFFIC CONTROL STANDARD
<u>LIST</u>	OF STATE STANDARDS
0000	

000001–06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

- 701601-08 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701901-02 TRAFFIC CONTROL DEVICES
- TC=17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES





FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

PROJECT ENGINEER PROJECT MANAGER MARK JENKINS, P.E.

CONTRACT NO. 60134

STATE OF ILLINOIS

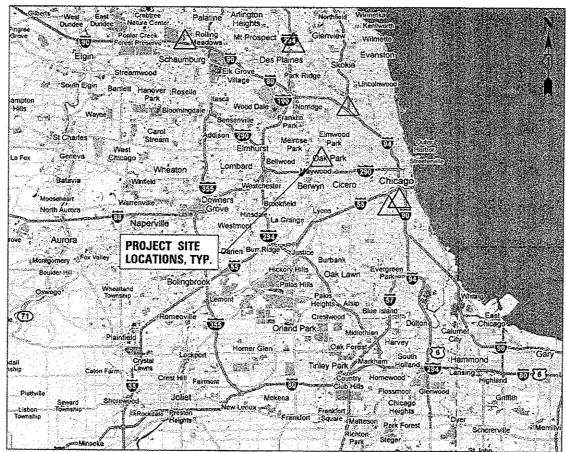
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

PROJECT: ACCM-0005 (860) ITS CENTER TO CENTER INTEGRATION PROJECT COOK COUNTY

VARIOUS ROLITES SECTION NO. 2009-0871 JOB NO. C-91-021-10



LOCATION MAP

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SECTION COUNTY 2009-0871 COOK S CONTRACT NO. 60134 # 20 45=25 . Xasstat 1005/05 LOCATION OF SECTIONS INDICATED THUS: -STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS SUBMITTED 21 Md'Almana 0 ER D. LaranceOli May 10 20 B T COLUCIAN PE B 3-21-13 NTHONY J. DORICCO P.E. 62-05748 anup A. Pull ILLINOIS REGISTRATION No. 062-057484 EXPIRATION DATE: 11-30-2013 CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500 PROFESSIONAL DESIGN FIRM NO. 184-001175 EXPIRATION DATE: 04/30/13 PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS Rev

	e.
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	<u></u>			URBAN 80% FED /			,			
	CODE NO.	ITEM	UNIT	20% STATE TOTAL 0021	IDOT DIST 1 HO	IDOT ETP BUILDING	DAN RYAN & WEST 33RD ST.	ISP DIST CHICAGO	IDOT BUILDING E	IDOT TSC
	67100100	MOBILIZATION	L SUM	1	0.2	0.2	0.2	0.2	0	0,2
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0	0	1	0	0	0
	81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	150	0	0	150	0	0	0
	81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	150	0	0	150	0	0	0
		· · · · · · · · · · · · · · · · · · ·								
	87900100	DRILL EXISTING FOUNDATION	EACH	1	0	0	1	0	0	0
	87900200	DRILL EXISTING HANDHOLE	EACH	****	0	0	1	0	0	0
	x0322920	COMMUNICATIONS CABINET AND EQUIPMENT	EACH	1	0	0	1	0	0	0
	VA207207		5 6014							
	X0327323	ELECTRICAL WORK, IDOT ETP	L SUM		0	1	0	0	0	0
	x0327324	ELECTRICAL WORK, IDOT BUILDING E	L SUM	1	0	0	0	0	1	0
	X0327328	ELECTRICAL WORK, ISP DISTRICT CHICAGO	L SUM	1	0	0	0	1	0	0
	x0327331	FIBER CONNECTIVITY TO IDOT DAN RYAN CABINET	L SUM	1	0	0	1	0	0	0
	X0327338	MICROWAVE LINK - IDOT ETP TO DAN RYAN	L SUM	1	0	0.5	0.5	0	0	0
	x0327339	MONOPOLE, 100 FOOT MOUNTING HEIGHT	EACH		0	0	1	0	0	
	X0321339		EACH	*			<u>ن</u>			~
	x0327342	VIDEO WALL UPGRADES, IDOT DISTRICT 1	L SUM	1	1	0	0	0	0	0
		· · · · · · · · · · · · · · · · · · ·				·····				
	x0327343	VIDEO WALL UPGRADES, IDOT TRAFFIC SYSTEMS CENTER	L SUM	1	0	0	0	0	0	1
	X0327345	WORKSTATION FURNITURE, IDOT DISTRICT 1	L SUM	1	1	0	0	0	0	0
	». «									
	x7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0	0	1	0	°	0
	¥97:0076	ETREP OPTIC CARLE 12 ETREPS STARTE MODE	FOOT	665	0	0	75	540	50	0
	x8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE		26 2			12	94V		C C
	XX006614	MODIFY EXISTING CABINET EQUIPMENT AND APPURTENANCES	EACH	1	0	0	1	0	0	0
				· · · · · · · · · · · · · · · · · · ·						
¢	x0327561	BUDGETARY ALLOWANCE, CCTV INTEGRATION	L SUM	1	1	0	0	0	0	0
	С. г		·····	·				1		
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	PLOT SCALE > 20' PLOT DATE = 7 3/22/28	CHECKED JPC REVISED - N3 DATE 3/21/2013 REVISED -	D	EPARTMENT	UF IRAN	SPUKIATIO	//V	SCALE: N.T		

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	CB	CHRISTOPHER B. 9575 W. Higgins Road, Sui Rosemont, Ilkinois 60018 (847) 823-0500		
	F.A.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
BRATION PROJECT	F.A. RTE.			
RATION PROJECT	RTÊ.	2009-0571	COOK	20 2 T NO. 60134

GENERAL NOTES

1. UTILITIES - LOCATIONS/INFORMATION ON PLANS

THE LOCATIONS OF EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO FACILITIES RESULTING FROM INACCURATE LOCATING.

THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS FOR THE EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.

2. CRITICAL PATH WORK SCHEDULE REQUIREMENT

THE CONTRACTOR WILL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHOWS THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.

- 3. THE DEPARTMENT CONTACT PERSON FOR THIS CONTRACT IS MARK JENKINS, ELECTRICAL OPERATIONS, 847-705-4350. THE CONTRACTOR MUST COORDINATE AND COOPERATE WITH THE DEPARTMENT AND THE INVOLVED PARTIES AS DIRECTED BY THE DEPARTMENT.
- 4. THE ENGINEERING DESIGN IN THESE PLANS IS BASED UPON FIELD INVESTIGATIONS OF CURRENT CONDITIONS, REVIEW OF EXISTING AS-BUILT DOCUMENTATION, AND INFORMATION OBTAINED FROM PRELIMINARY DESIGN DOCUMENTS FOR THE RECONSTRUCTION PROJECT. DUE TO THE CHANGING NATURE OF THESE ITEMS, THE ACTUAL CONDITIONS MAY BE DIFFERENT THAN THOSE DEPICTED. THE CONTRACTOR SHALL VERIFY THE EXISTING FIELD CONDITIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES AND CORRELATE THESE CONDITIONS WITH THE PROPOSED CONSTRUCTION ACTIVITIES OF THIS AND OTHER CONTRACTS. THE CONTRACTOR SHALL IDENTIFY TO THE ENGINEER ANY SIGNIFICANT DIFFERENCES BETWEEN THESE PLANS AND THE EXISTING FIELD CONDITIONS OR PROPOSED CONSTRUCTION THAT COULD IMPACT HIS/HER EFFORTS PRIOR TO BEGINNING WORK. CORRECTIVE ACTIONS FOR PROBLEMS ENCOUNTERED AFTER THE CONTRACTOR HAS BEGUN WORK WILL BE INCLUDED IN THE TASK UNLESS PREVIOUSLY IDENTIFIED TO THE ENGINEER.
- 5. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." BY ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - B. NATIONAL ELECTRICAL CODE
 - C. "R56 STANDARDS AND GUIDELINES FOR COMMUNICATION SITES" BY MOTOROLA.
 - D. ILLINOIS STATE POLICE REQUIREMENTS.

6. THE CONTRACTOR SHALL BE AWARE THAT TEST SOIL BORINGS WERE NOT MADE AT LOCATION WHERE THE DAN RYAN MONOPOLE OR RELATED EQUIPMENT ARE TO BE INSTALLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE SITE CONDITIONS AT THESE FIELD LOCATIONS BEFORE SUBMITTING BID PROPOSALS.

- WHENEVER CONDUITS (INCLUDING SPARES) ARE INSTALLED FOR FIBER OPTIC OR ELECTRICAL POWER CABLE, A POLYETHYLENE PULL ROPE WITH DETECTABLE METALLIC CONDUCTOR SHALL BE INSTALLED WITH THE CONDUIT. ALL PULL ROPE-RELATED COSTS ARE TO BE INCLUDED IN THE BID PRICE FOR CONDUIT.
- 8. THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- 9. EXACT FIELD LOCATIONS OF EQUIPMENT SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT LOCATIONS PRIOR TO STARTING WORK.

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GENERAL NOTES (CONTINUED)

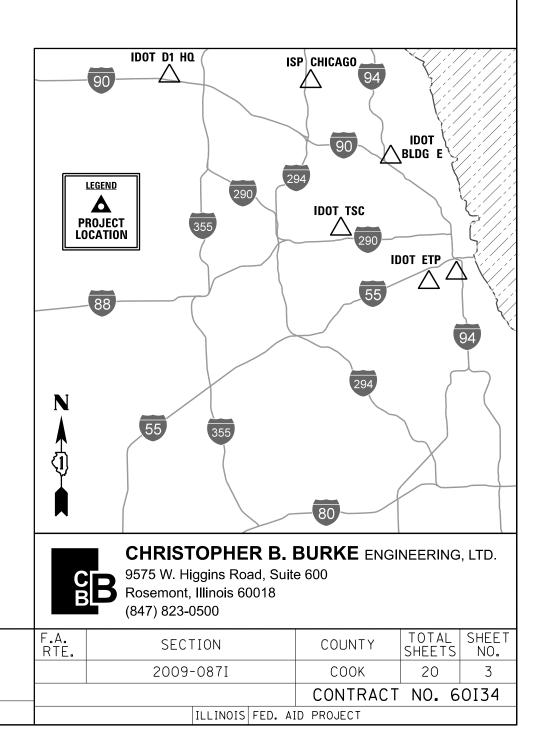
GENERAL NUIES (CUNTINUED)	
10. ANY GROUND AREAS DISTURBED DURING THE INSTALLATION OF EQUIPMENT SHALL BE REGRADED AND SEEDED TO THE SATISFACTION OF THE ENGINEER. COST FOR THIS WORK SHALL BE INCIDENTAL.	
11. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CONSTRUCTION METHODOLOGIES, PRODUCT MANUFACTURER SPECIFICATIONS, OWNERS MANUALS, AND USERS MANUALS BEFORE PROCURIN AND INSTALLING ANY EQUIPMENT AS PART OF THIS CONTRACT. ALL PROPOSED WORK SHALL BE REVIEWED AND APPROVED BY THE DEPARTMENT IN CONSULTATION WITH THE DESIGN ENGINEER.	١G
12. THE CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT ALL WORK TO BE CONDUCTED. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT 72 HOURS BEFORE COMMENCING ANY W AT THESE LOCATIONS.	
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TRAFFIC CONTROL FOR THE INSTALLATION OF THE ANTENNA MONOPOLE AND RELATED EQUIPMENT WITH OTHER CONTRACTS AND THAT MAY WORK IN THE AREA.	
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ALL APPLICABLE TRAFFIC CONTROL RULES AND REGULATIONS ACCORDING TO SECTION 701 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR WILL BE REQUIRED TO INSTALL ADDITIONAL SIGNS AND APPURTENANCES TO MAINTAIN SAFE CONDITIONS IN THE WORK ZONE AT ALL TIMES AT NO ADDITIONAL COST TO THE DEPARTMENT.	
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL PROPOSED EQUIPMENT FOR EXAMINATION AND CONFIRMATION WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGERING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL PROPOSED ITEMS SHALL BE CONFIRMED WITH THE OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.	,
16. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISON/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.	
17. CONTRACTOR SHALL PERFORM ALL ELECTRICAL TESTING AS REQUIRED BY IDOT AND ISP.	
18. CONTRACTOR SHALL PROVIDE FIVE FULL SIZE SETS OF RECORD DRAWINGS. RECORD DRAWINGS WILL BE SUBJECT TO REVIEW BY THE DEPARTMENT.	
19. ANY AND ALL REQUIRED SOIL TESTING OR RELATED ITEMS SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE PAY ITEMS TO WHICH THEY PERTAIN. ADD THE FOLLOWING NOTE TO THE DRAWINGS AND SPECIAL PROVISIONS "ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEES."	
20. ALL EQUIPMENT IS SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL COORDINATE AND VERIFY EXACT EQUIPMENT SIZES, LOCATIONS, ROUTINGS, ETC.	
21. THE CONTRACT DOCUMENTS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DOCUMENTS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DOCUMENTS, AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DOCUMENTS BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.	
22. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF/HERSELF OF ALL CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS THE TOTAL COST FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED DUE TO THE CONTRACTOR'S FAILURE TO UNDERSTAND THE SCOPE OF WORK.	
23. THE CONTRACTOR (AND SUBS) SHALL BE LICENSED & BONDED WITH THE LOCAL MUNICIPALITIES (JURISDICTIONS) AS REQUIRED. THIS COST SHALL BE INCIDENTAL TO THE CONTRACT.	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TI	S CENTER-		NTER IN [.] IERAL NO		PROJECT
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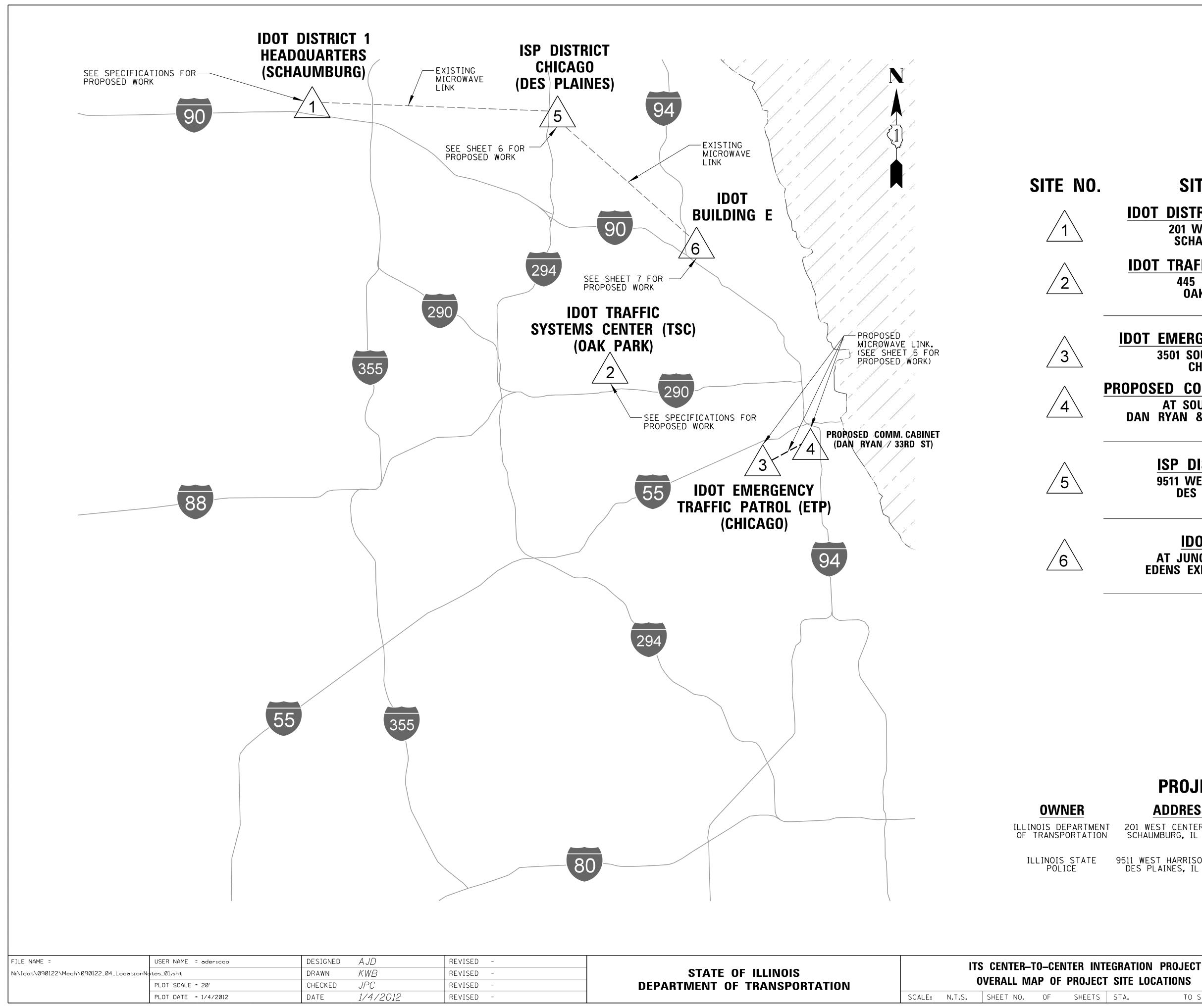
TO THE CONTRACT.

ABBREVIATIONS

IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
ISP	ILLINOIS STATE POLICE
TSC	TRAFFIC SYSTEMS CENTER
ETP	EMERGENCY TRAFFIC PATROL



TO STA.



SITE LOCATION

IDOT DISTRICT 1 HEADQUARTERS 201 WEST CENTER COURT SCHAUMBURG, IL 60196

IDOT TRAFFIC SYSTEMS CENTER 445 HARRISON STREET OAK PARK, IL 60304

IDOT EMERGENCY TRAFFIC PATROL 3501 SOUTH NORMAL AVENUE CHICAGO, IL 60609

PROPOSED COMMUNICATIONS CABINET AT SOUTHWEST CORNER OF DAN RYAN & 33RD STREET, CHICAGO, IL

> **ISP DISTRICT CHICAGO** 9511 WEST HARRISON STREET DES PLAINES, IL 60016

IDOT BUILDING E AT JUNCTION OF KENNEDY & EDENS EXPRESSWAYS, CHICAGO, IL

PROJECT CONTACTS

ADDRESS

201 WEST CENTER COURT SCHAUMBURG, IL 60196

ILLINOIS STATE 9511 WEST HARRISON STREET POLICE DES PLAINES, IL 60016

TO STA.

CONTACT MARK JENKINS (847) 705-4350

DAN QUINN (312) 636-4514

SITE NO.

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41° 49′ 49.31′′ N LATITUDE

87° 38′ 16.97′′ W LONGITUDE

5.8 GHz FCC CLASS A

AZIMUTH

56**.**892°

ANTENNA AIMED AT

PROPOSED ANTENNA

POLE AT DAN RYAN/

33RD ST.

- PROPOSED MICROWAVE

ANTENNA ON NEW 10'

ON SHEET 10)

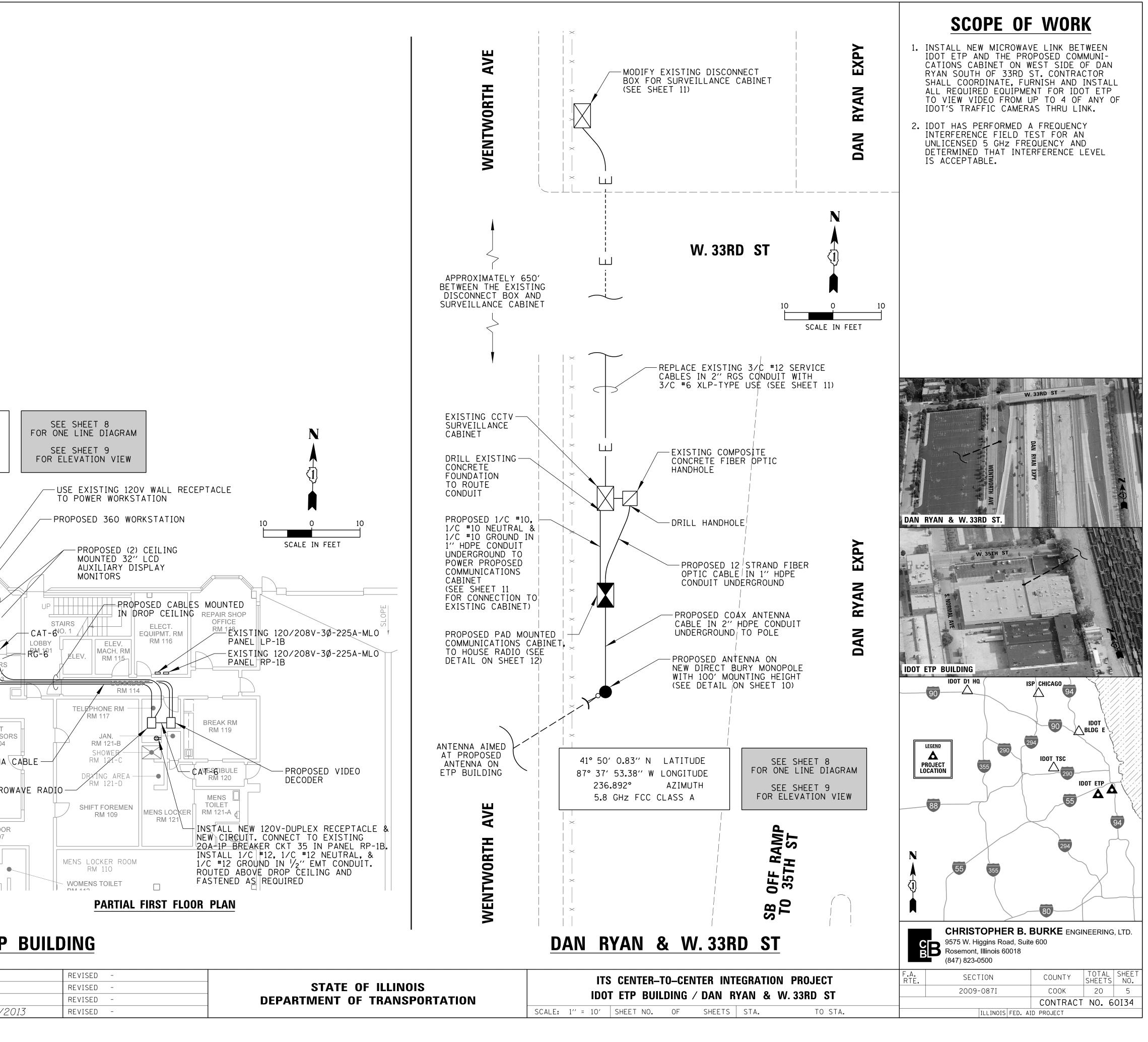
POLE MOUNTED TO SIDE

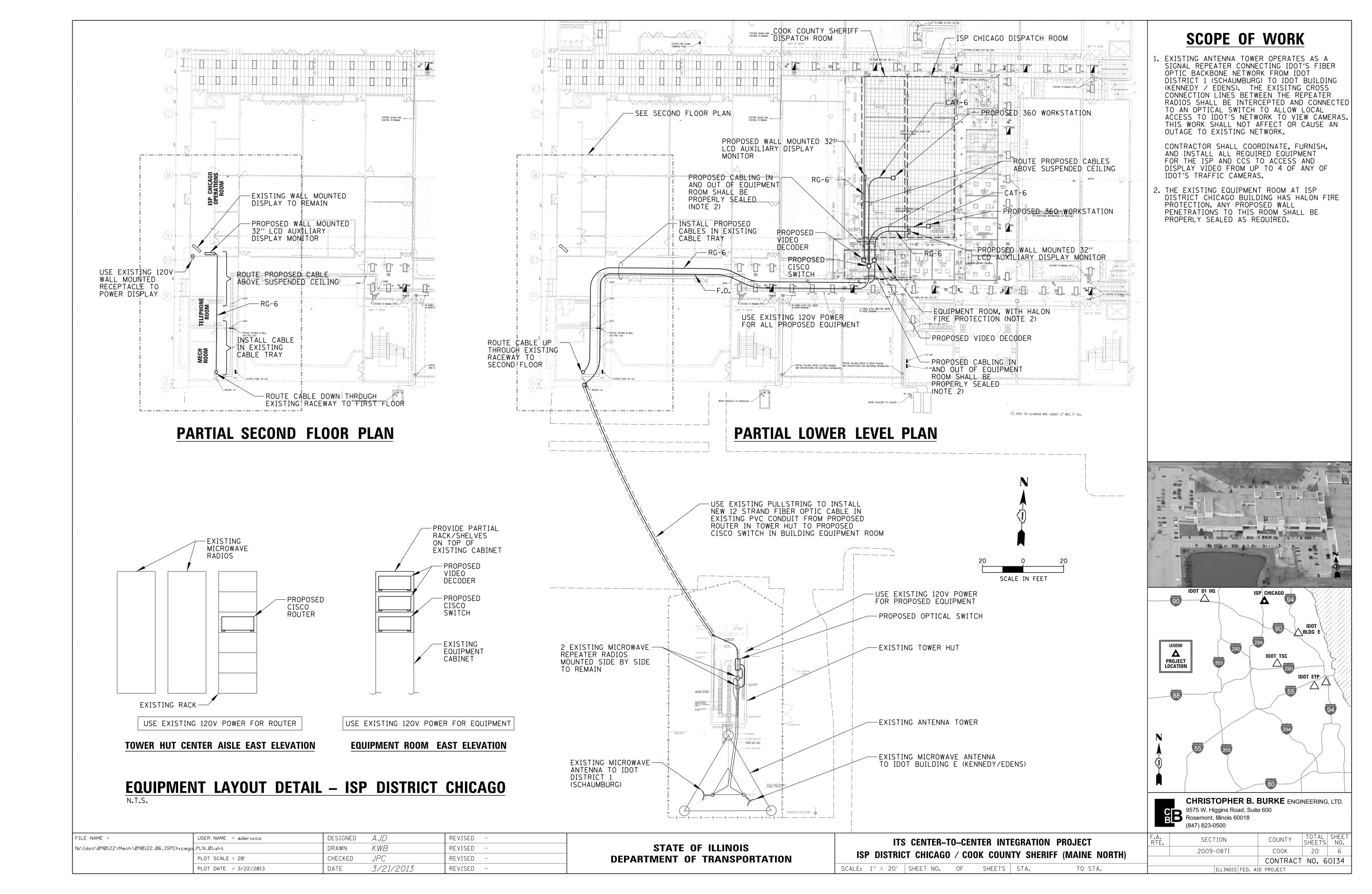
OF BUILDING (SEE DETAIL

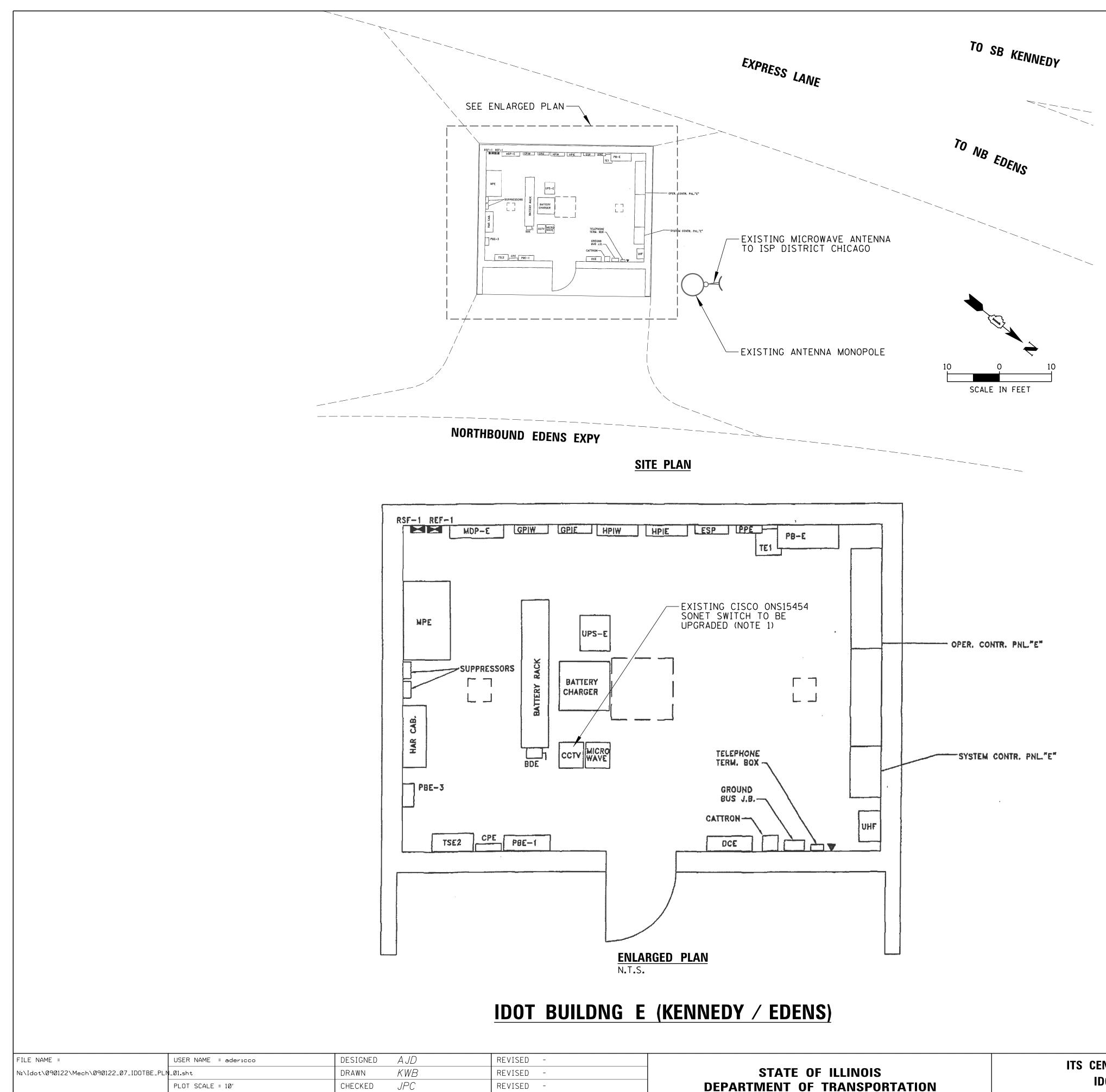
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SEE SHEET 9

MONITORS







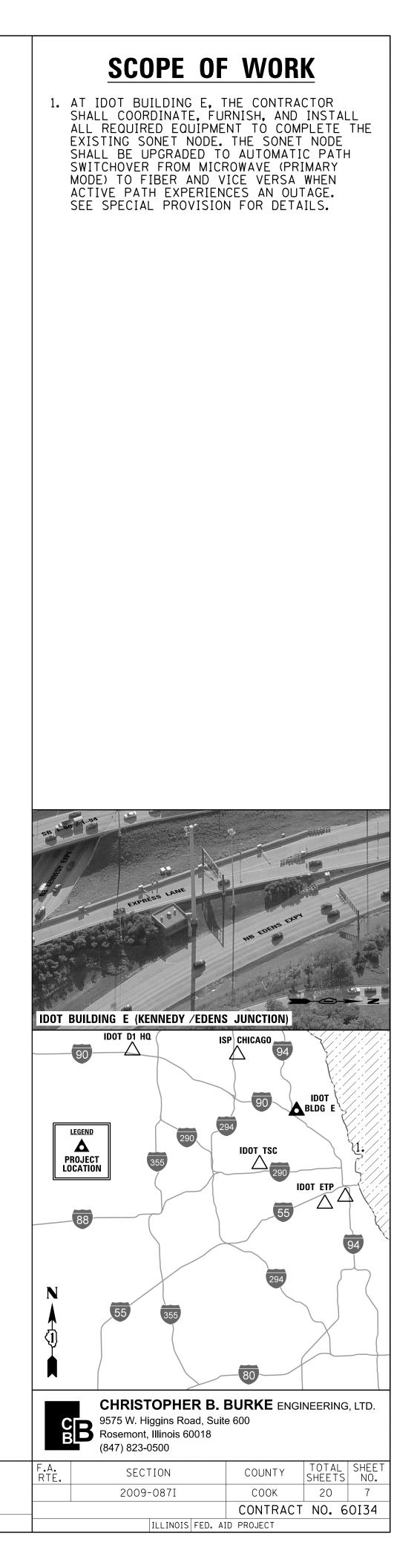
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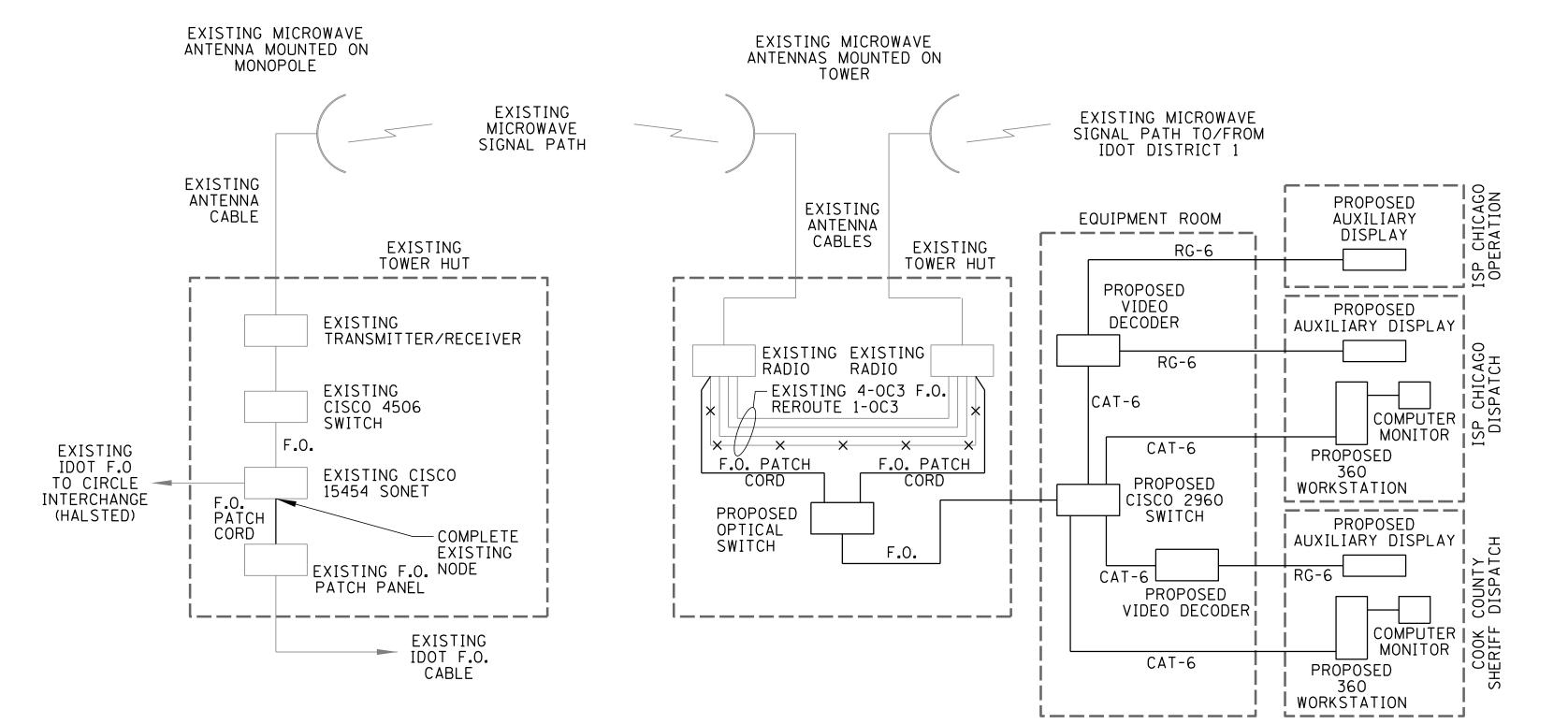
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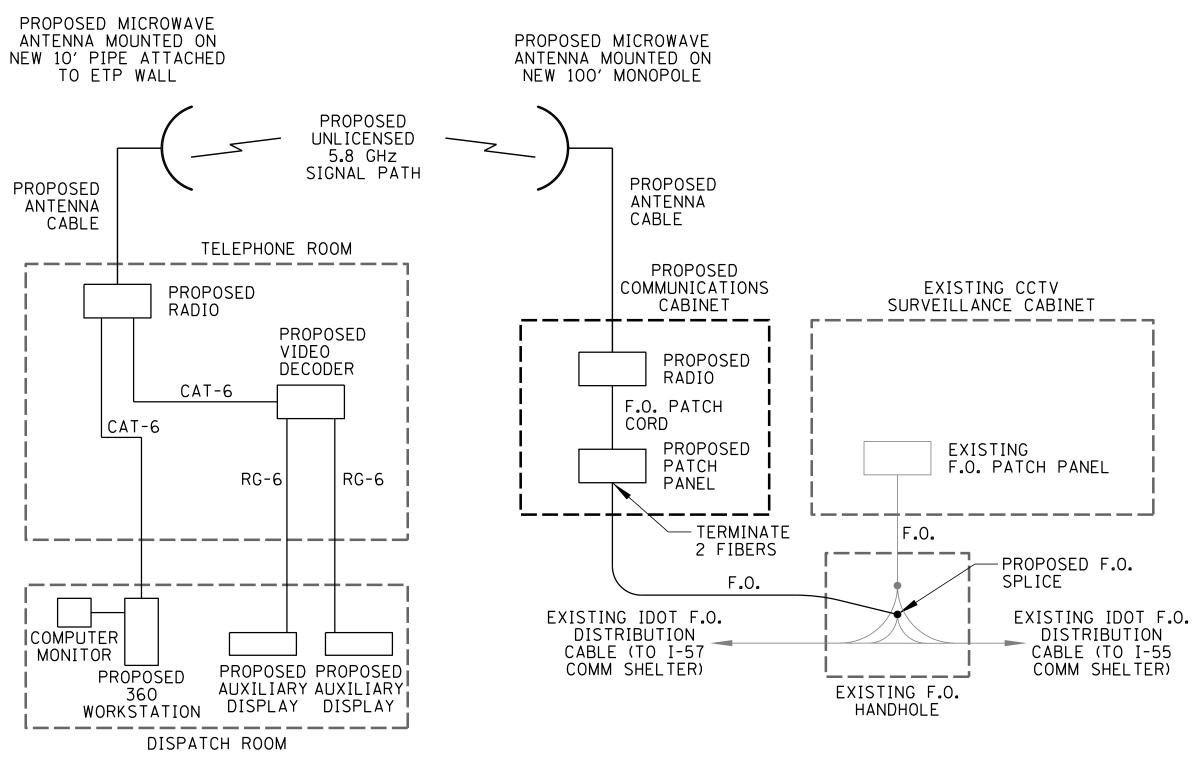


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BUILDING E (KENNEDY / EDENS EXPY) ISP CHICAGO / COOK COUNTY SHERIFF



IDOT ETP BUILDING (35TH & NORMAL)

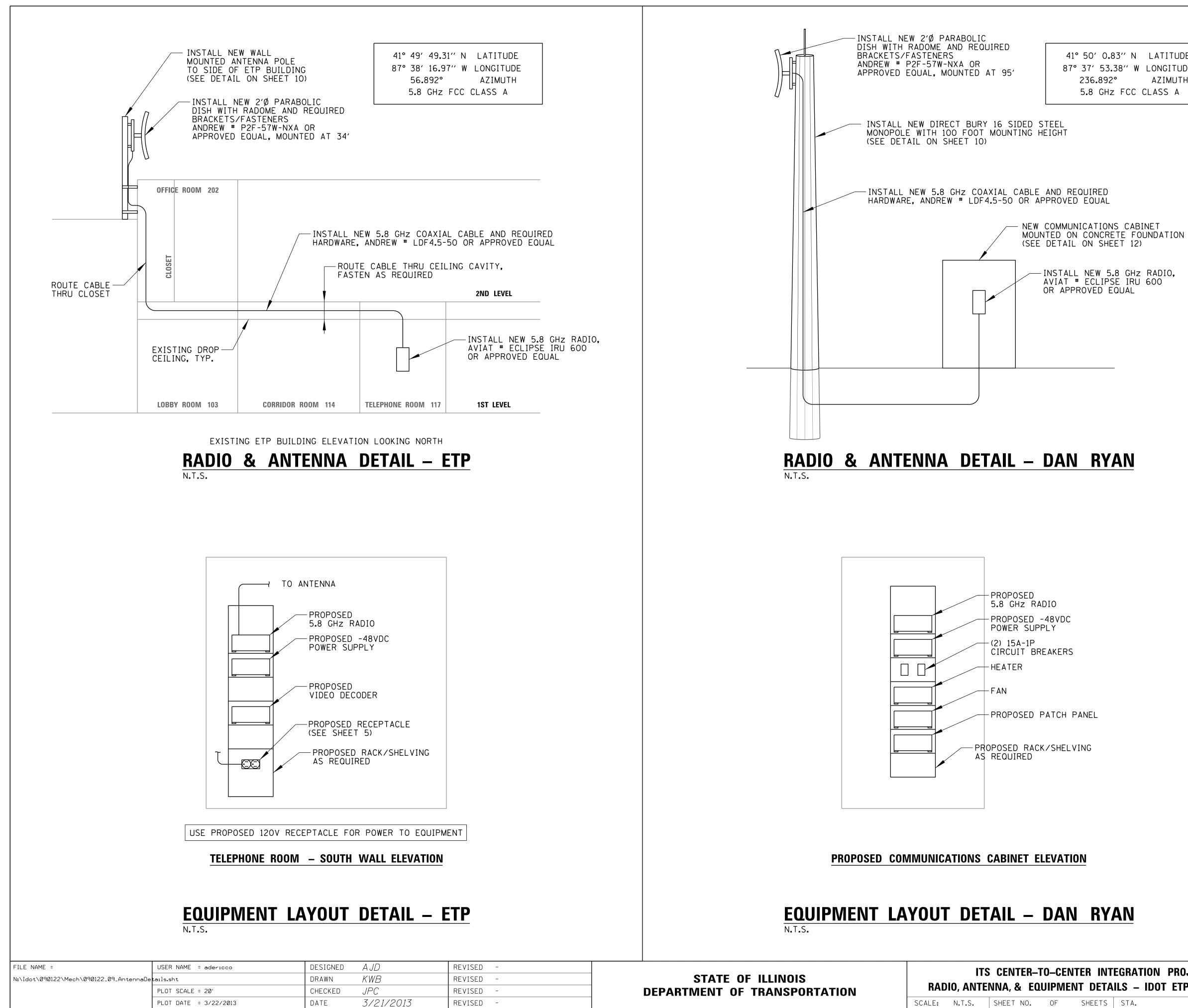




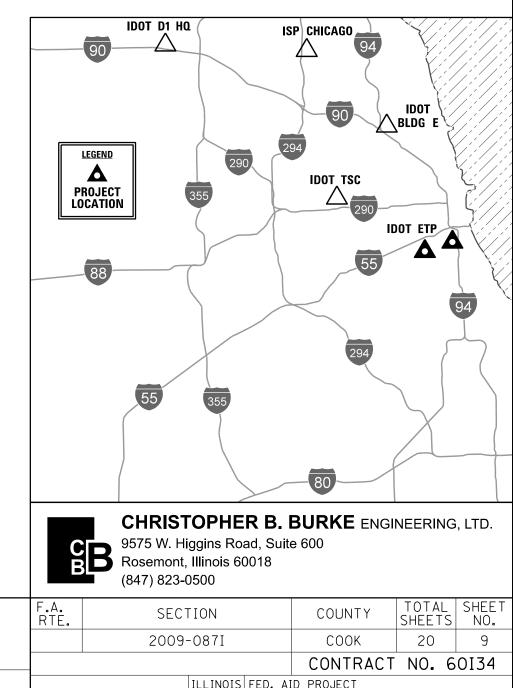
DAN RYAN EXPY / W. 33TH ST.

EXISTING CONDITIONS SHOWN IN HALF TONE PROPOSED CONDITIONS SHOWN IN BOLD

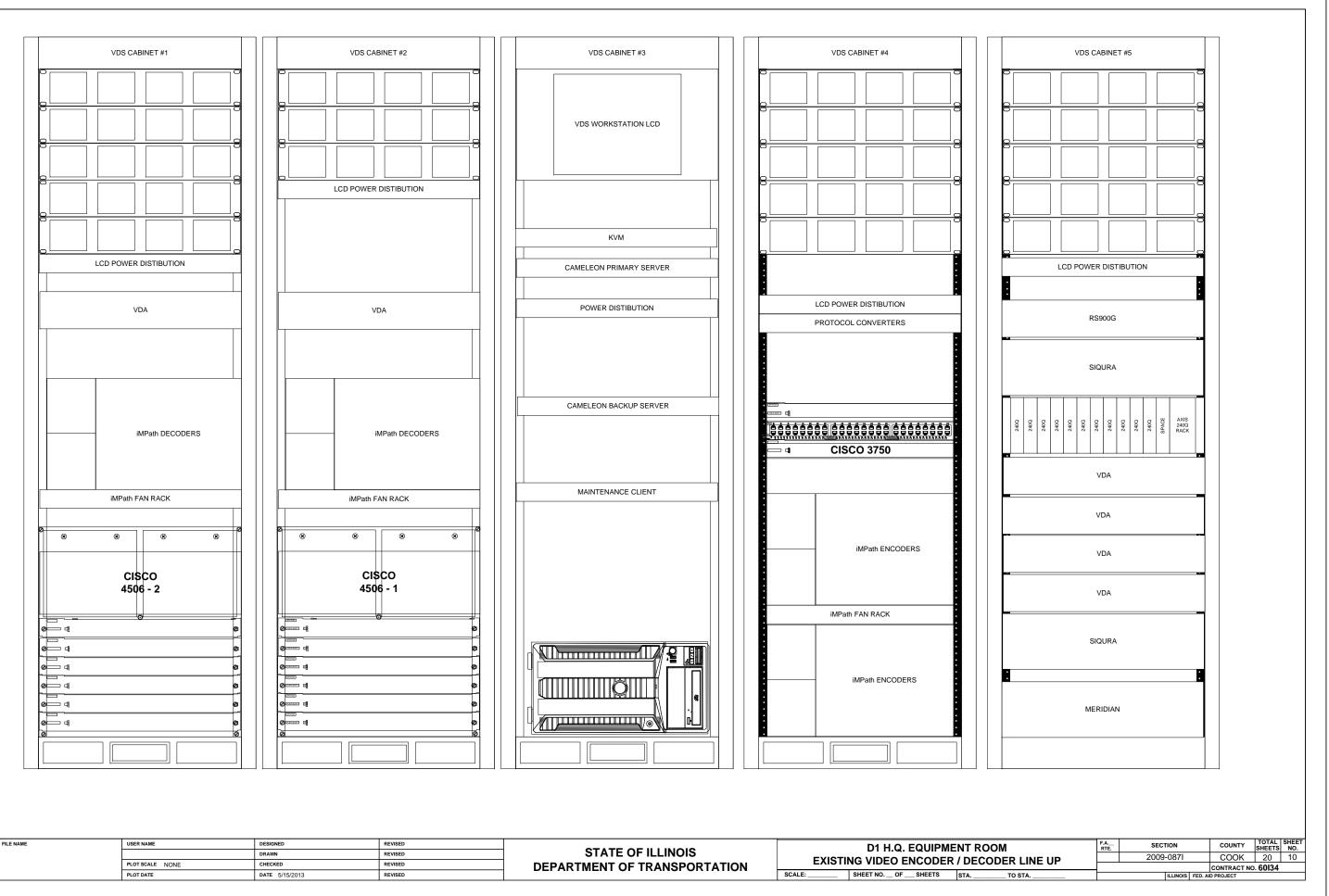
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C	CHRISTOPHER B. 1 9575 W. Higgins Road, Suite Rosemont, Illinois 60018 (847) 823-0500		NEERING, LT	D.
F.A. RTE.	SECTION	COUNTY	SHEETS N	IEET NO.
	2009-0871	СООК	20	8
		CONTRACT	NO. 601	34
	ILLINOIS FED. A	ID PROJECT		



41° 50′ 0.83′′ N LATITUDE 87° 37′ 53.38′′ W LONGITUDE AZIMUTH 5.8 GHz FCC CLASS A



B	Rosemont, Illinois 60018 (847) 823-0500					
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	2009-0871	СООК	20	9		
	CONTRACT NO. 6					
	ILLINOIS FED. AID PROJECT					
	F.A.	(847) 823-0500 F.A. SECTION RTE. 2009-087I	F.A. RTE. SECTION COUNTY 2009-087I COOK CONTRACT	F.A. RTE. SECTION COUNTY TOTAL SHEETS 2009-087I COOK 20 CONTRACT NO. 6		



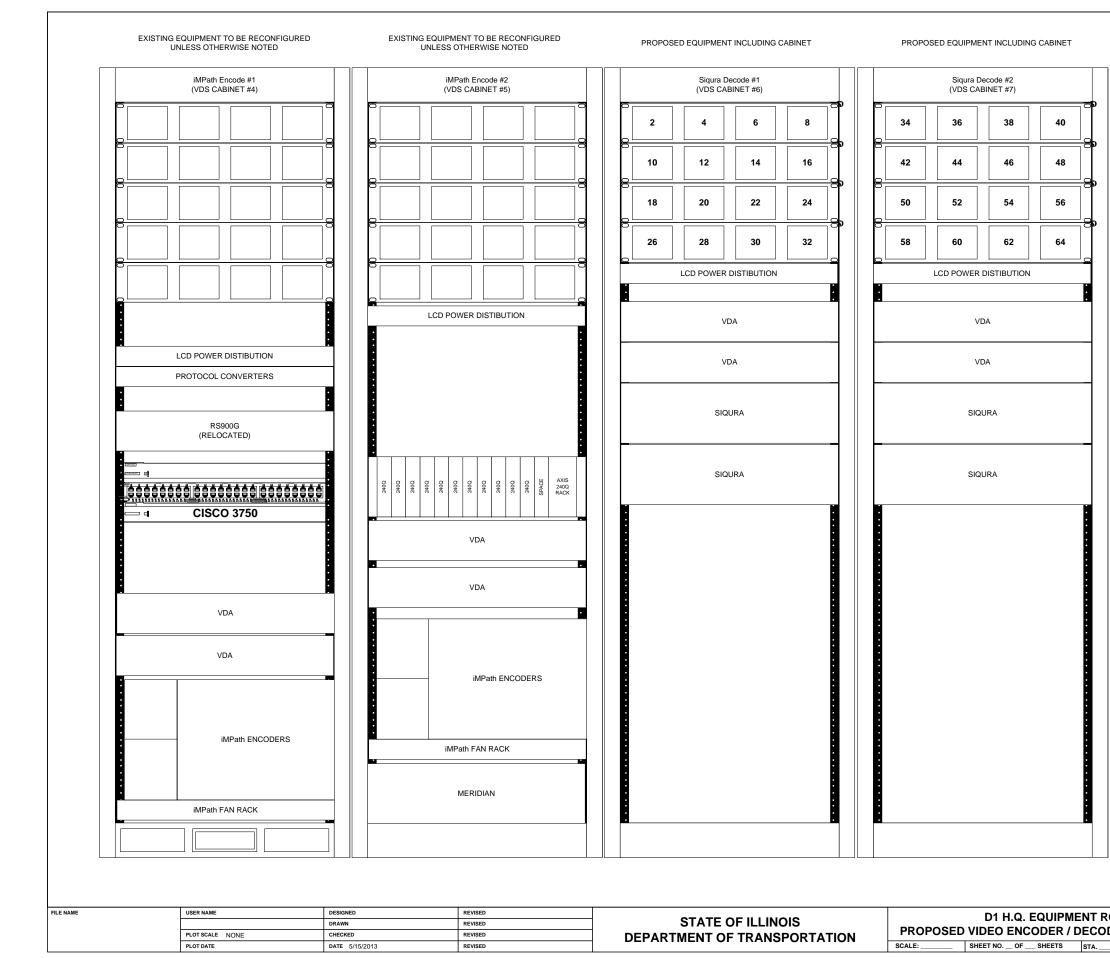
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	PLOT DATE	DATE 5/15/2013	REVISED		SCALE:	SHEET NO OF SHEETS	STA			

ii (\	iMPath Decode #1 (VDS CABINET #1)			iMPath De (VDS CAB	ecode #2 INET #2)		VDS CONTROL (VDS CABINET #3)
	3 5 11 13	7 15	33	35	37	39 47	VDS WORKSTATION LCD
	19 21	23	49	51	53	55	
25	27 29	31	57	59	61	63	
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LCD F	POWER DISTIBUTION			LCD POWER	DISTIBUTION		CAMELEON PRIMARY SERVER
	VDA			VD	A		POWER DISTIBUTION
	VDA (PROPOSED)			VE (PROP			PROVIDE KEYBOARD AND MOUSE DRAWER
	iMPath DECOD	ERS			IPath DECODE 4 RELOCATEL CARDS)		CAMELEON BACKUP SERVER
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	PLOT DATE	DATE 5/15/2013	REVISED			SCALE: SHEET NO OF SHEETS STA TO STA		ILLINOIS FED. AID PROJEC		

THE CONTRACTOR SHALL NOT SCALE OFF THE DRAWING, ACTUAL MEASUREMENTS SHALL BE TAKEN.

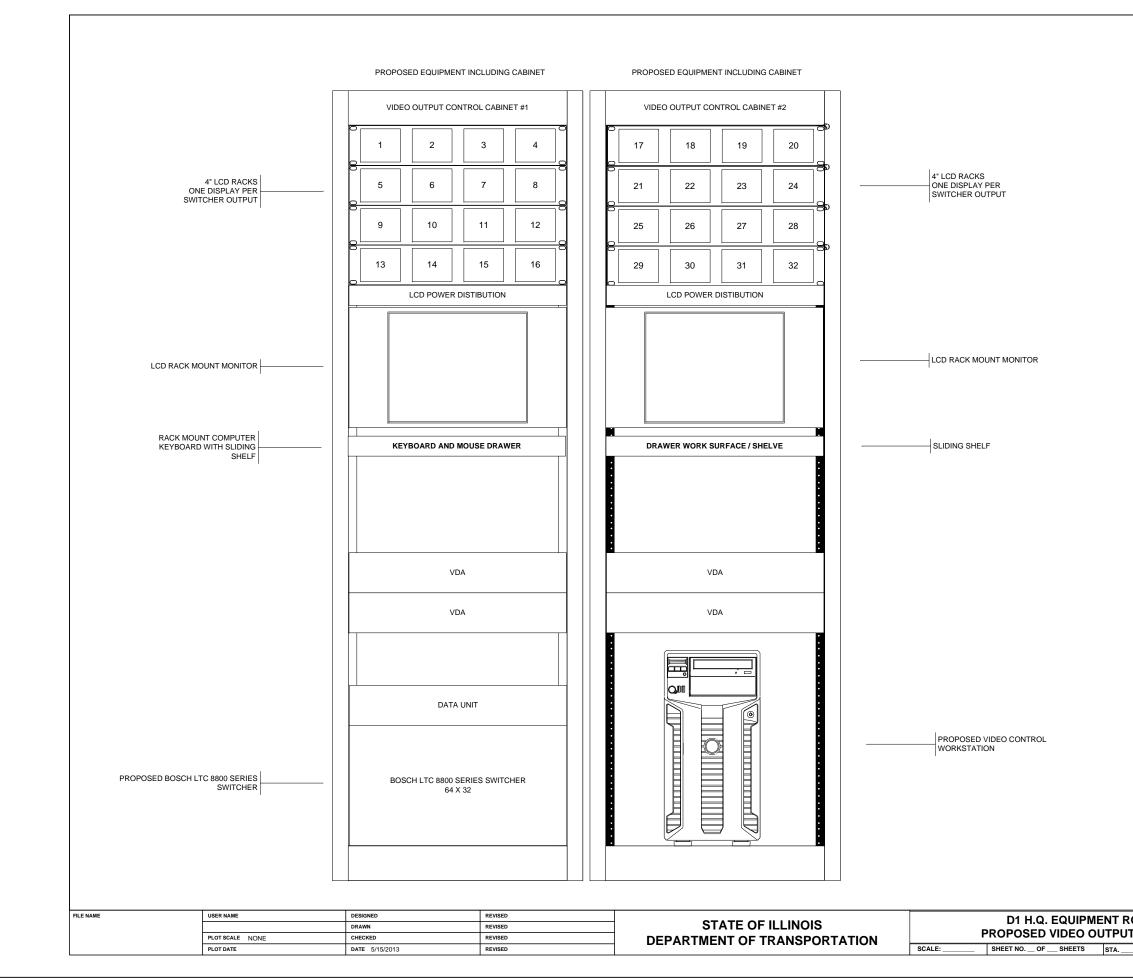
NOT ALL REQUIRED EQUIPMENT OR INTERCONNECTIONS ARE SHOWN FOR CLARITY.



THE CONTRACTOR SHALL NOT SCALE OFF THE DRAWING, ACTUAL MEASUREMENTS SHALL BE TAKEN.

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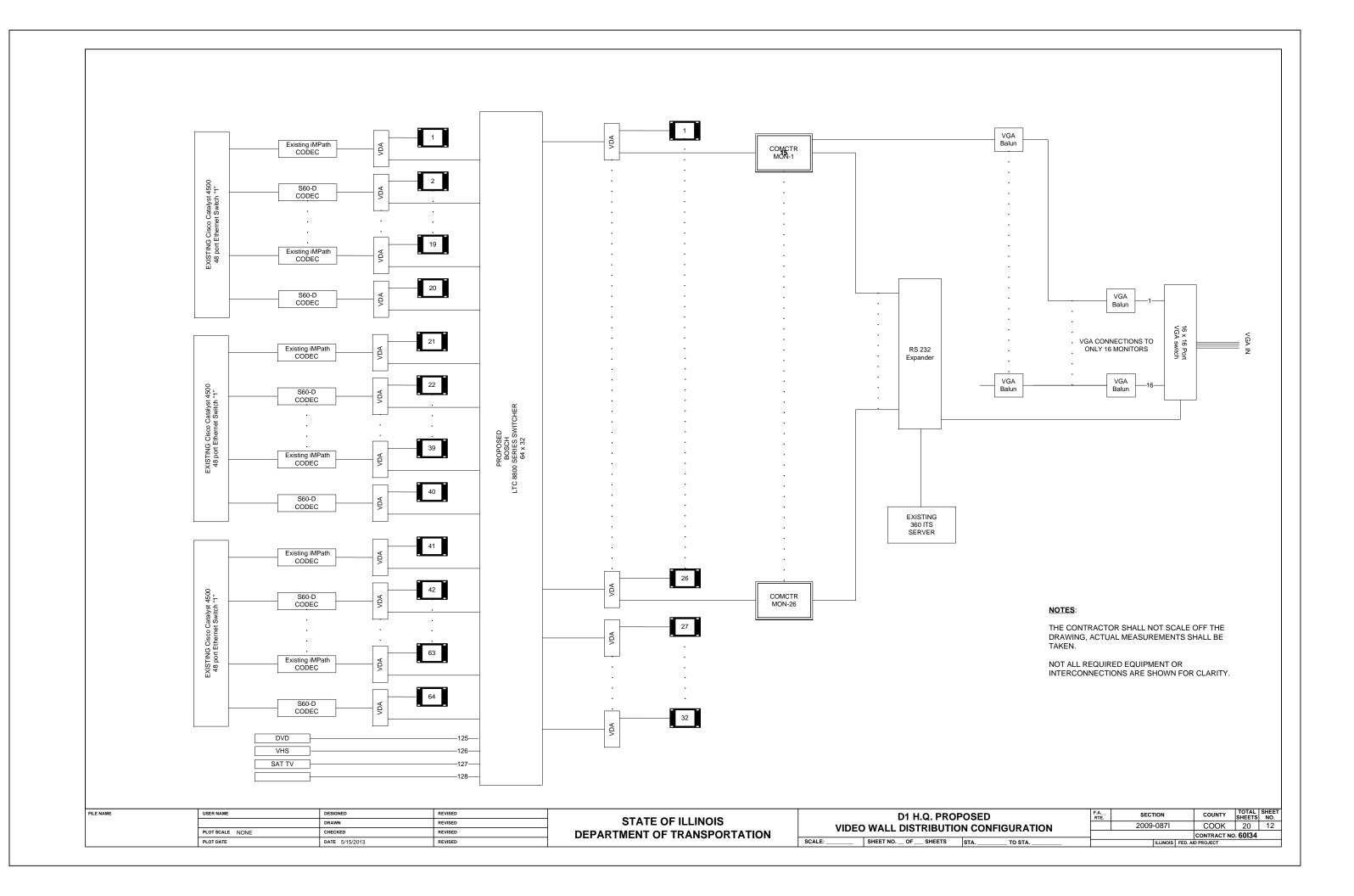
ROOM	F.A RTE.	SECTION			COUNTY	TOTAL SHEETS	
DER LINE UP. 2 OF 2		2009-0871			COOK	20	10B
					CONTRACT NO	60134	
TO STA			ILLINOIS	FED. AI	D PROJECT		

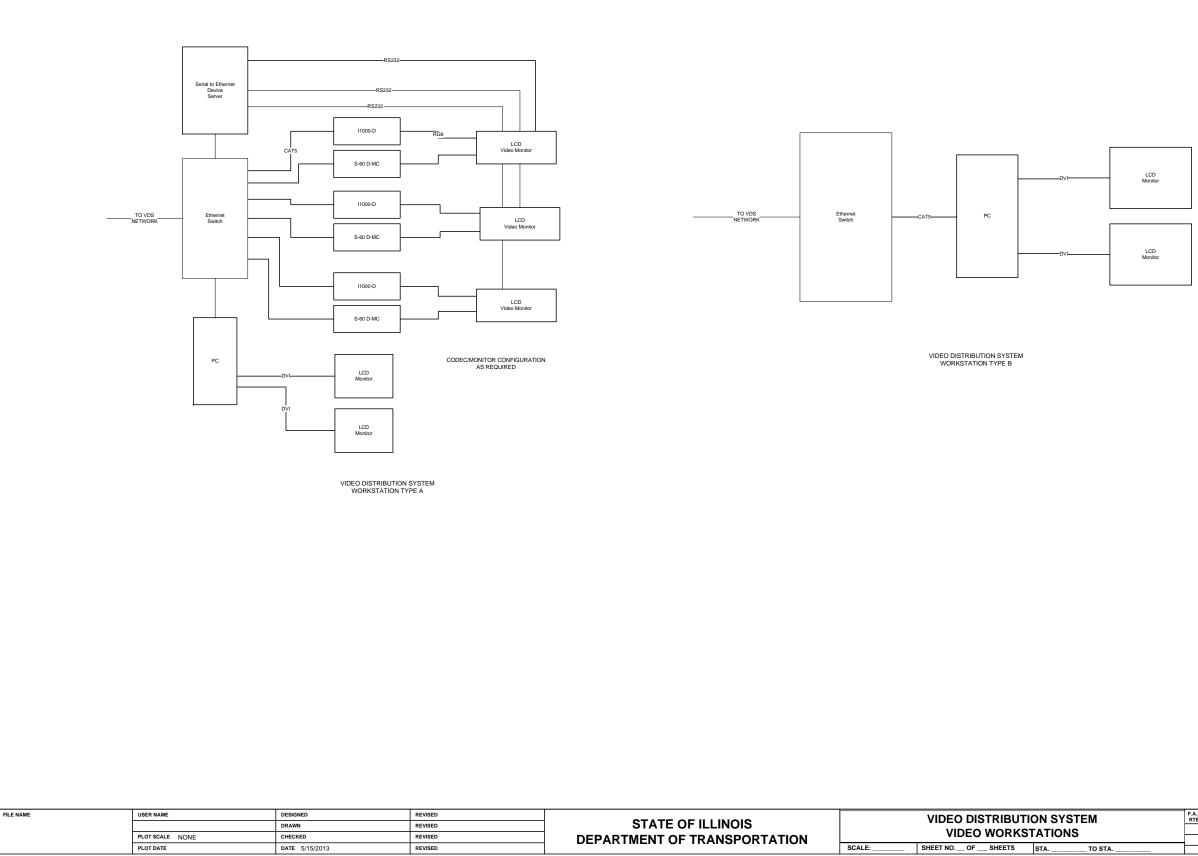


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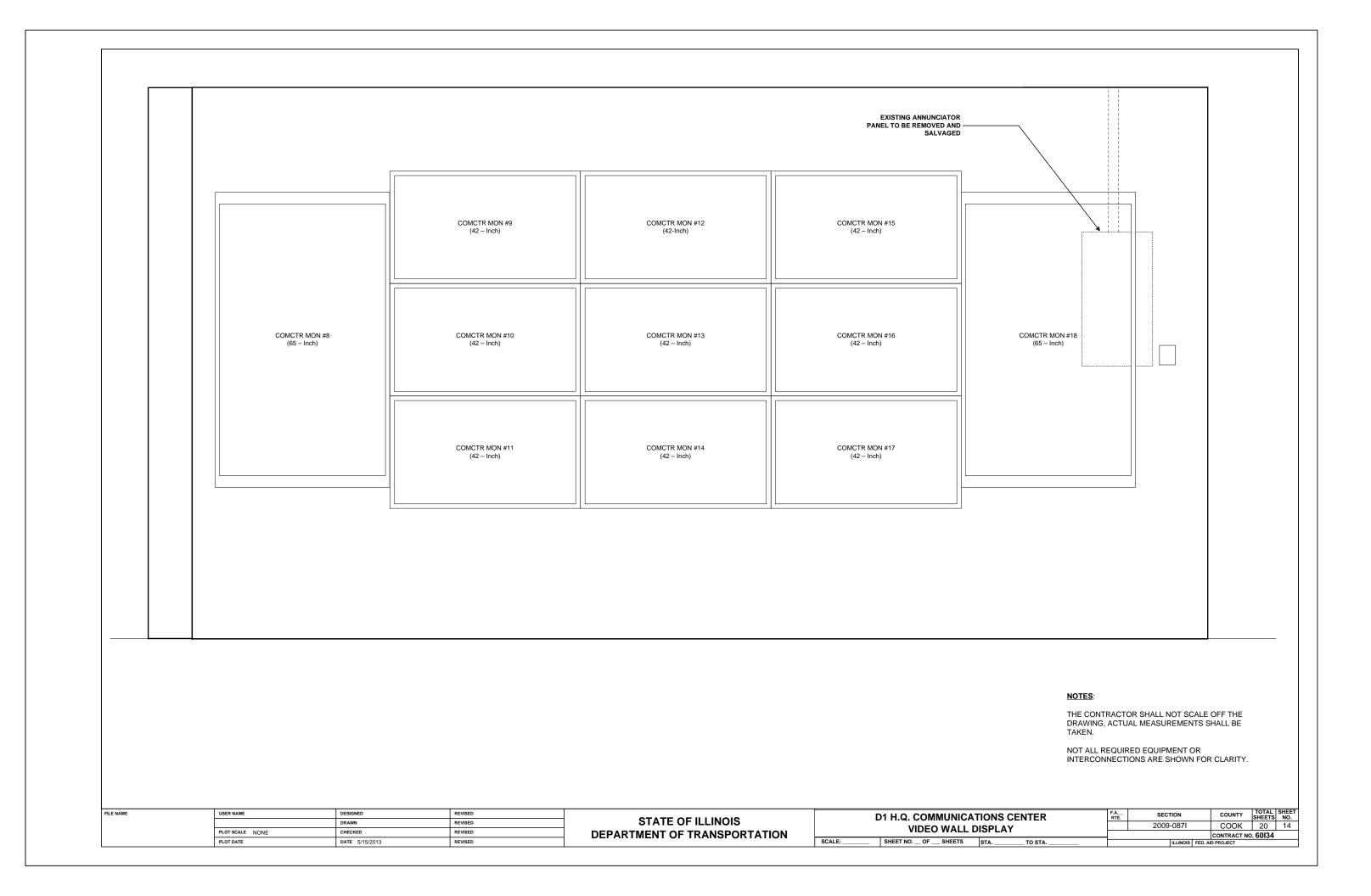
NOT ALL REQUIRED EQUIPMENT OR INTERCONNECTIONS ARE SHOWN FOR CLARITY.

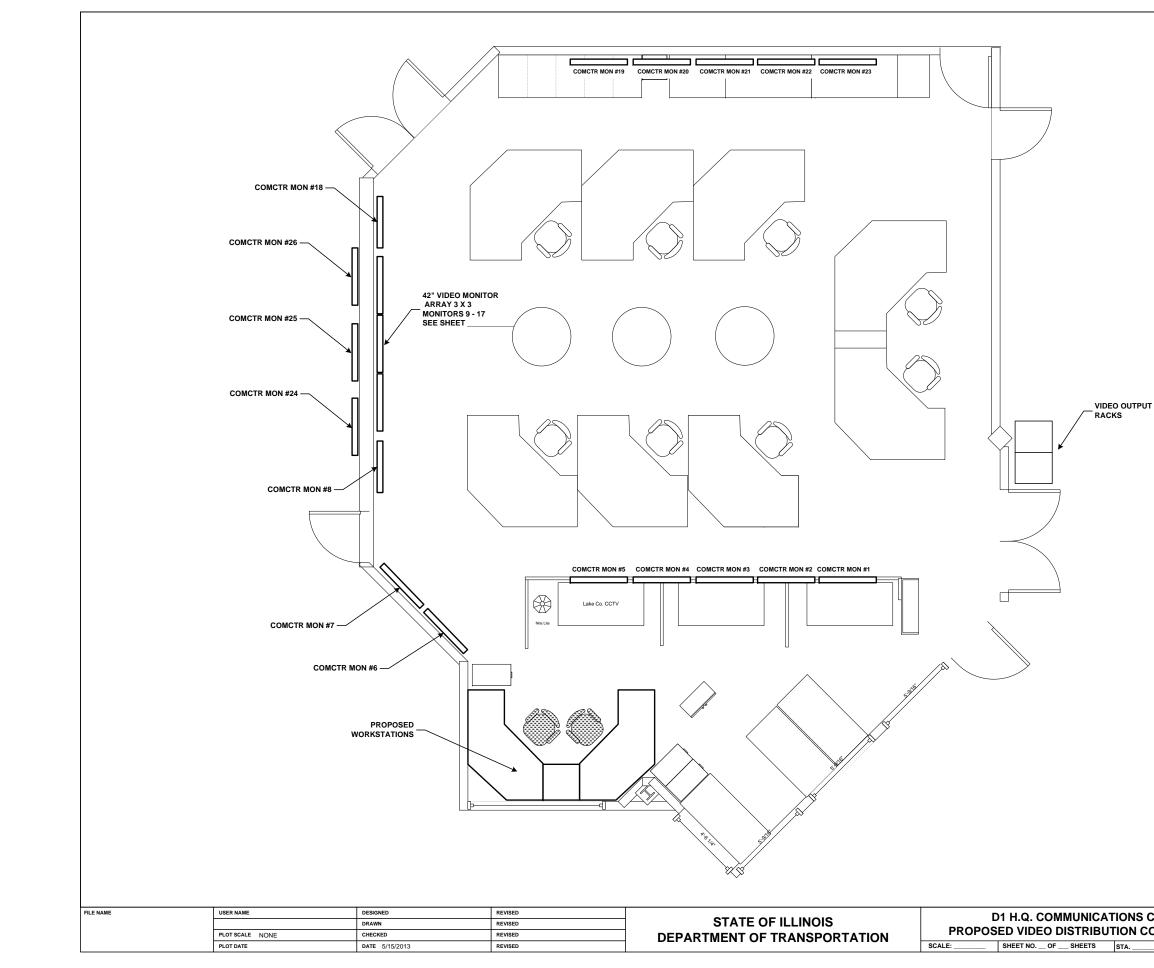
OOM	F.A RTE.	SEC.	SECTION			TOTAL SHEETS	
T LINE UP		2009-0871			COOK	20	11
					CONTRACT NO	60134	
TO STA	ILLINOIS FED. AI			AID PROJECT			

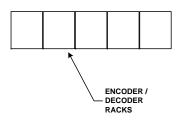




YSTEM	F.A RTE.	SECT	SECTION			TOTAL SHEETS	SHEET NO.
ONS		2009-0871			COOK	20	13
5115			CONTRACT NO	60134			
TO STA	ILLINOIS FED. AI			AID PROJECT			





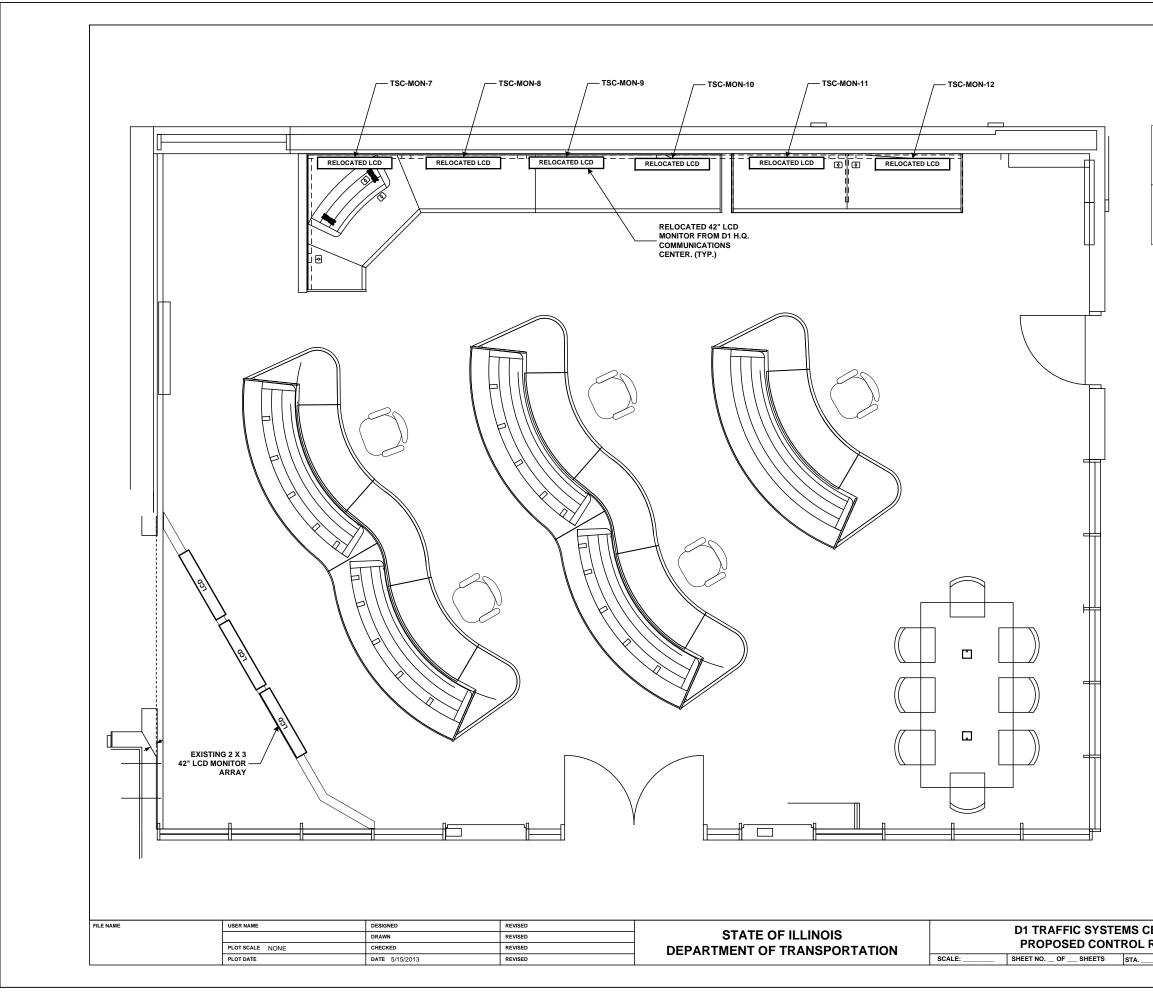


EXISTING MONITORS SHALL BE REMOVED AND RELOCATED AS INDICATED.

ALARM PANEL SHALL BE REMOVED WITH ASSOCIATED WIRING, MOUNTING HARDWARE AND RACEWAYS AND SALVAGED.

THE CONTRACTOR SHALL NOT SCALE OFF THE DRAWING, ACTUAL MEASUREMENTS SHALL BE TAKEN.

6 CENTER	F.A RTE.	SECTION			COUNTY	TOTAL SHEETS	
CONFIGURATION		2009-0871			COOK	20	15
CONTIGURATION					CONTRACT NO	60134	
TO STA			ILLINOIS	FED. AI	D PROJECT		
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TSC-MON-1	TSC-MON-2	TSC-MON-3
TSC-MON-4	TSC-MON-5	TSC-MON-6

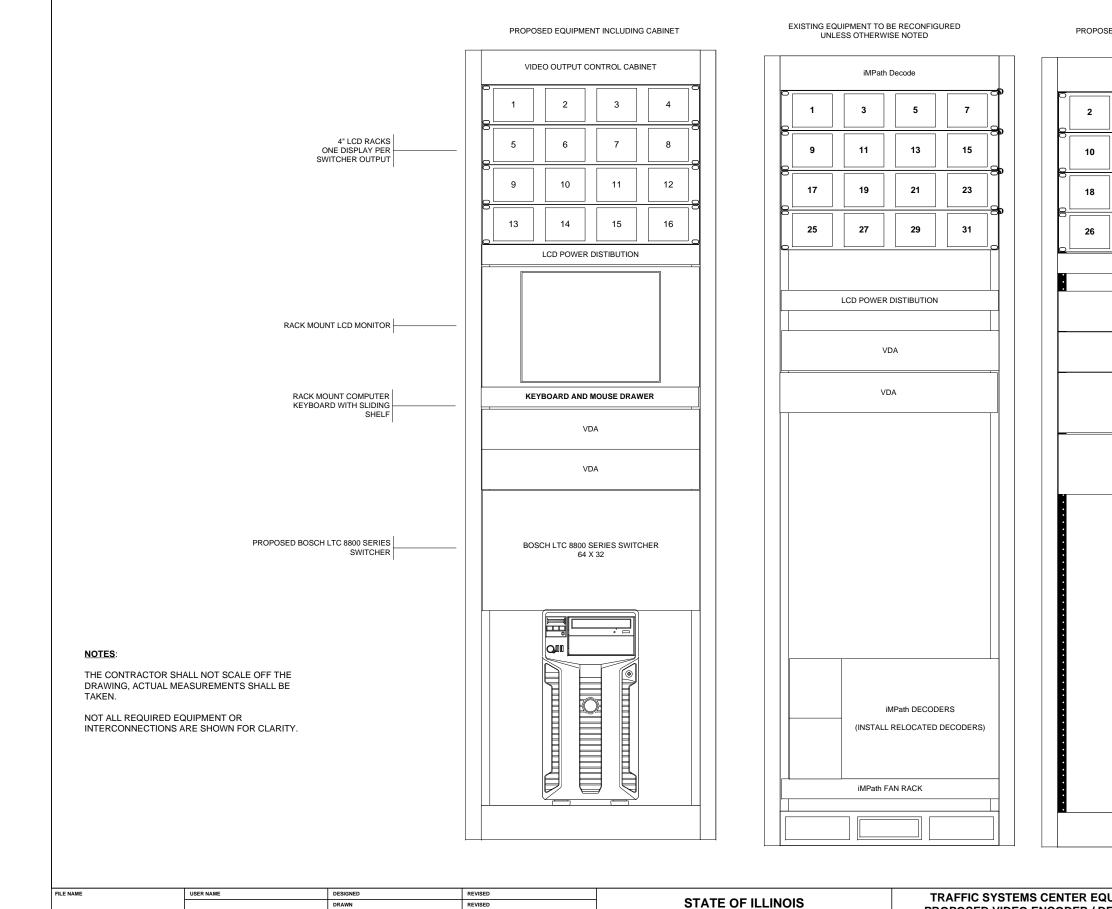
EXISTING 2 X 3 42" LCD VIDEO MONITOR ARRAY

NOTES:

THE CONTRACTOR SHALL NOT SCALE OFF THE DRAWING, ACTUAL MEASUREMENTS SHALL BE TAKEN.

NOT ALL REQUIRED EQUIPMENT OR INTERCONNECTIONS ARE SHOWN FOR CLARITY.

CENTER	F.A RTE.	SECTION			COUNTY	TOTAL SHEETS	
ROOM		2009-0871			COOK	20	16
					CONTRACT NO	60134	
TO STA	ILLINOIS FED. AI			AID PROJECT			



PLOT SCALE NONE

PLOT DATE

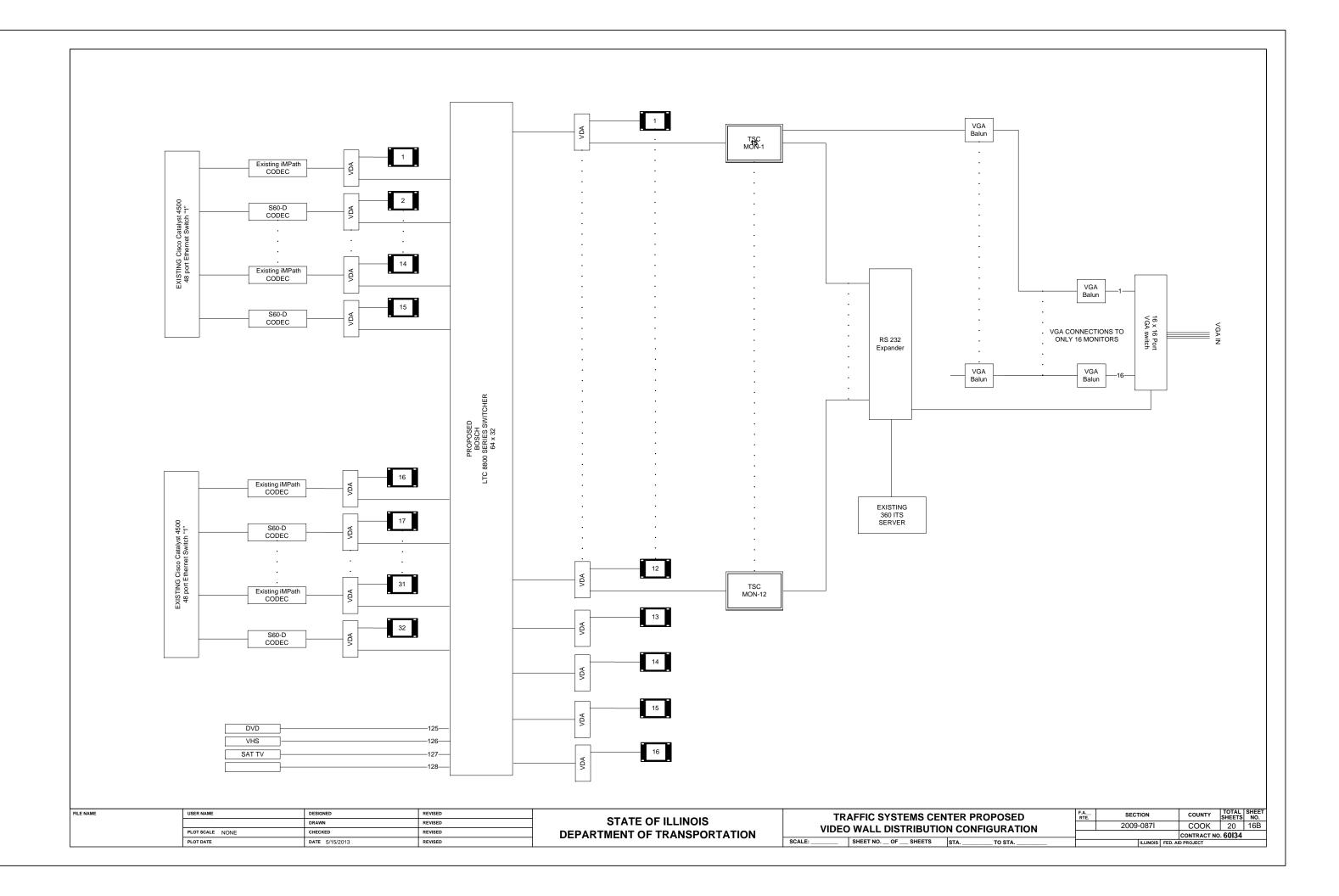
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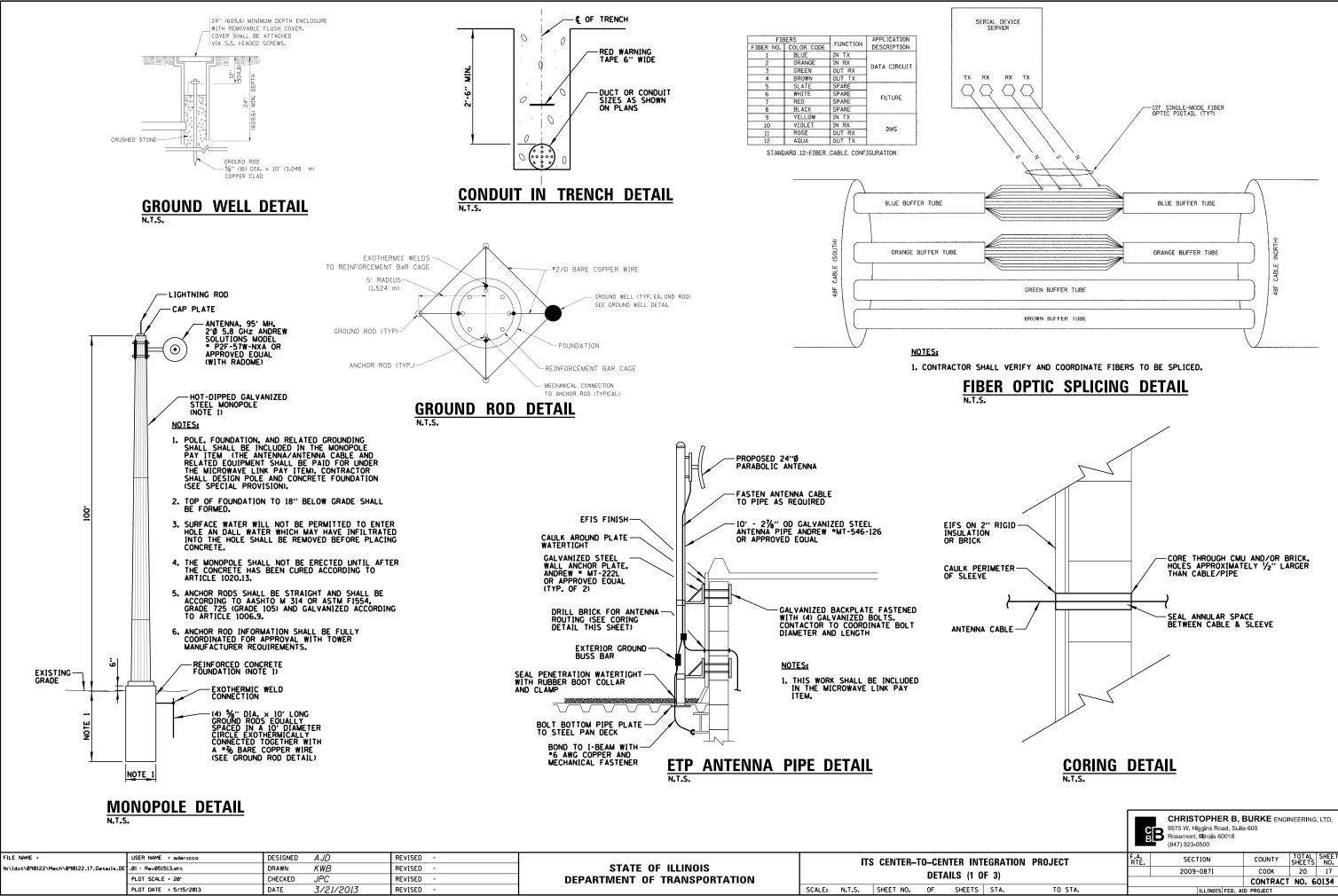
DATE 5/15/2013

 REVISED	STATE OF ILLINOIS		IC SYSTEMS CENTER	
REVISED	DEPARTMENT OF TRANSPORTATION	PROPOS	SED VIDEO ENCODER	
REVISED		SCALE:	SHEET NO OF SHEETS	STA.

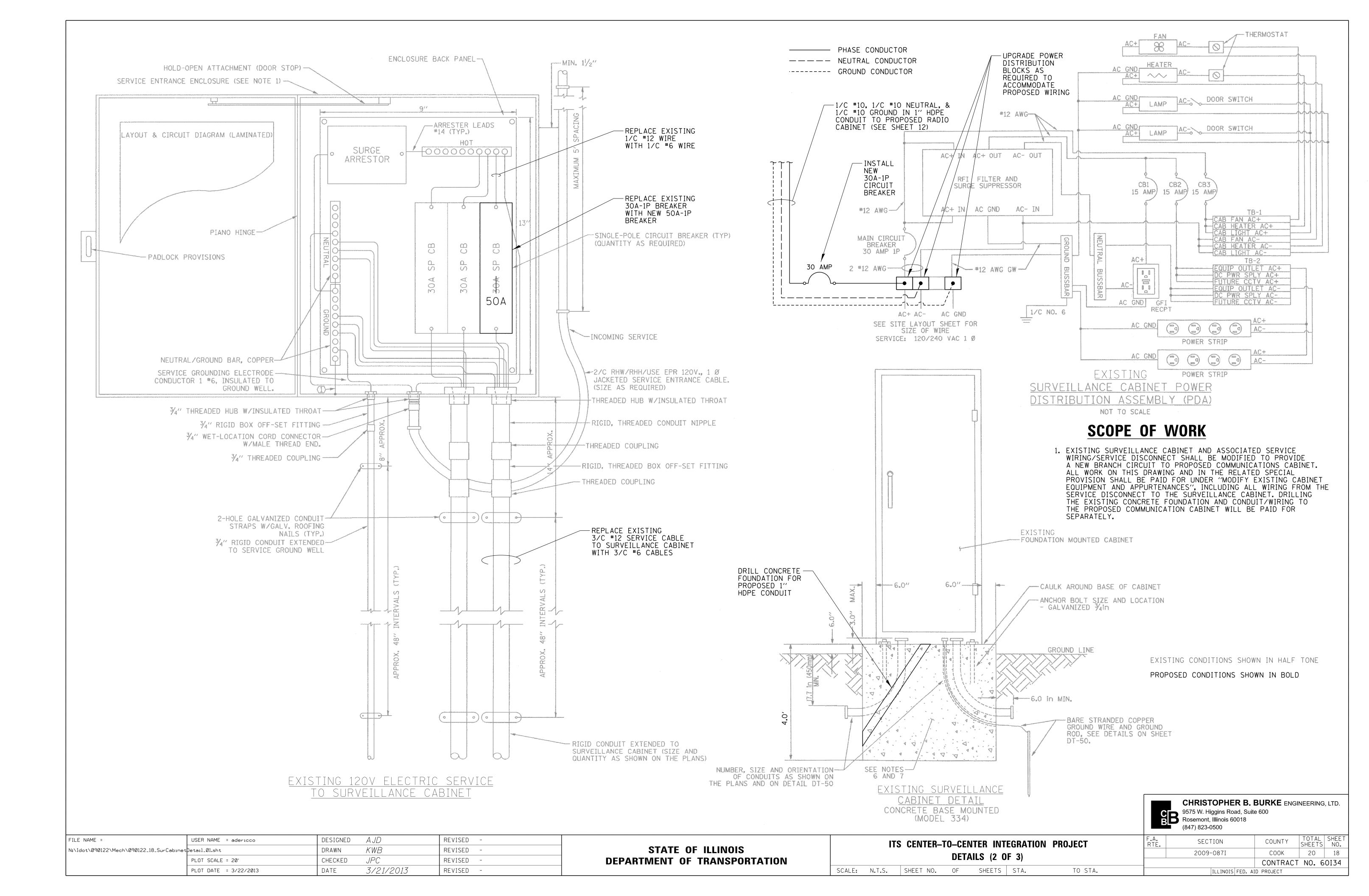
PROPOSED EQUIPMENT INCLUDING CABINET

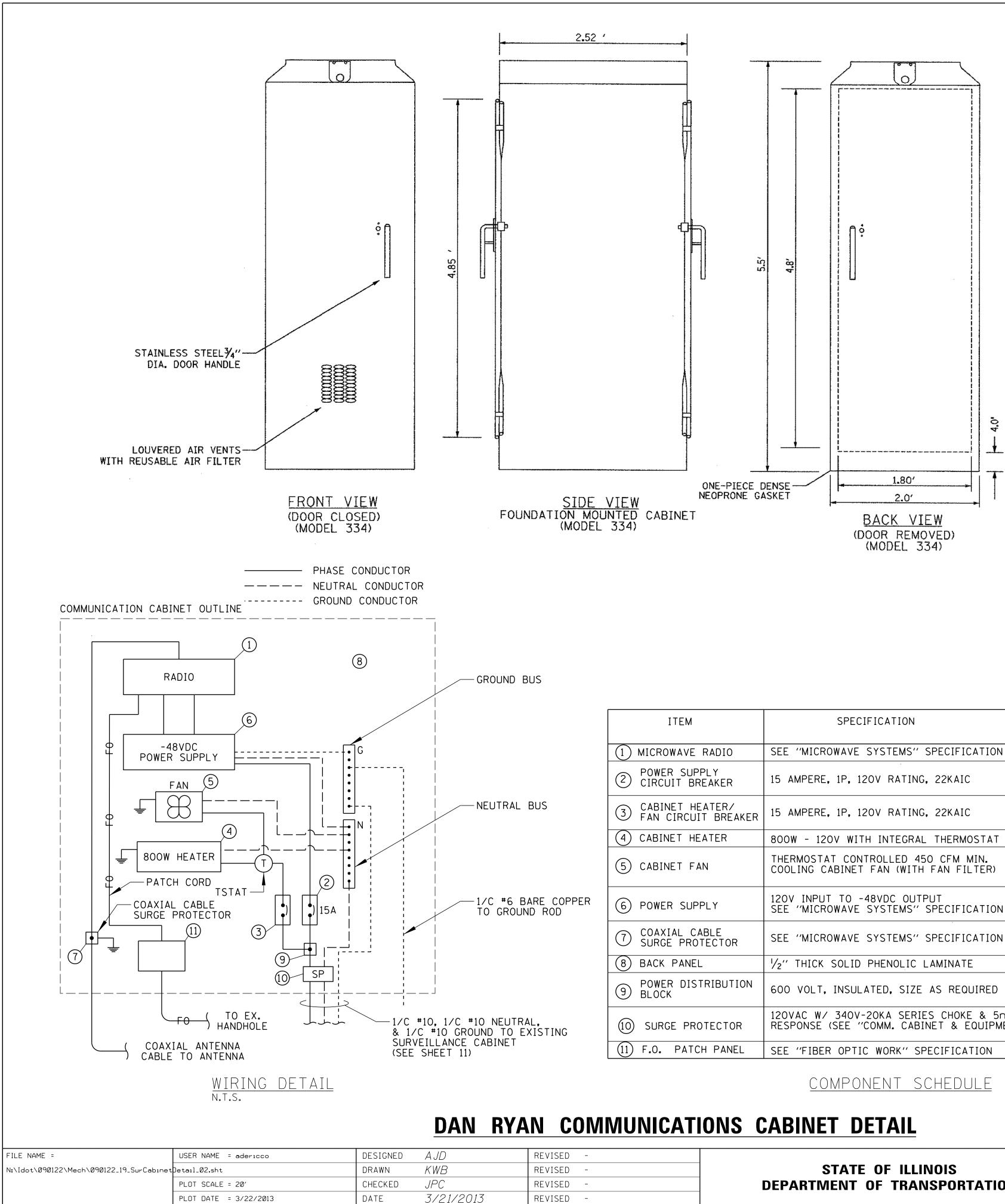
Siqura Decode						
4 6	8					
12 14	16	- <mark></mark>				
20 22	24	- 3 0				
28 30	32	3 0				
LCD POWER DISTIBUTION		:				
VDA						
VDA						
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SIQURA		_				
JIPMENT ROOM	F.A RTE.		SECTION	 COUNTY	TOTAL	SHE
CODER LINE UP		2	009-0871	COOK	20	16
	_			PROJECT	J. OUI34	
TO STA						

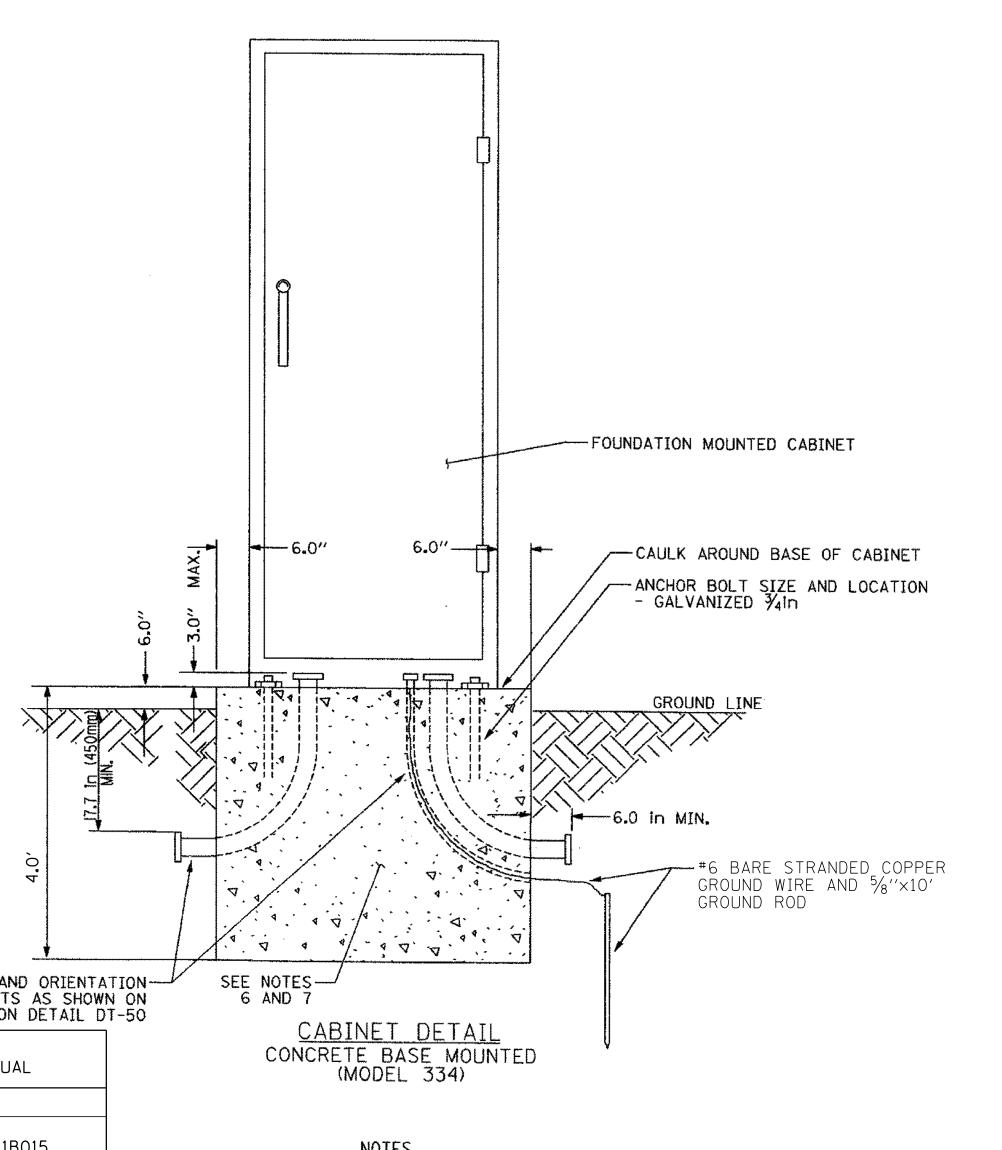




FILE NAME =	USER NAME = adericco	DESIGNED	AJD	REVISED -			ITS CENTER-TO-CENT			
N:\Idot\090122\Mech\090122_17_Details_DE	?\Mech\090122_17_Details_DE ⁺ _01 - Rev051513.sht DRA		KWB	REVISED -	STATE OF ILLINOIS	1				
	PLOT SCALE = 20'	CHECKED	JPC	REVISED -	DEPARTMENT OF TRANSPORTATION	DETAIL				AILS (1 O
	PLOT DATE = 5/15/2013	DATE	3/21/2013	REVISED -]	SCALE:	N.T.S.	SHEET NO.	OF	SHEETS







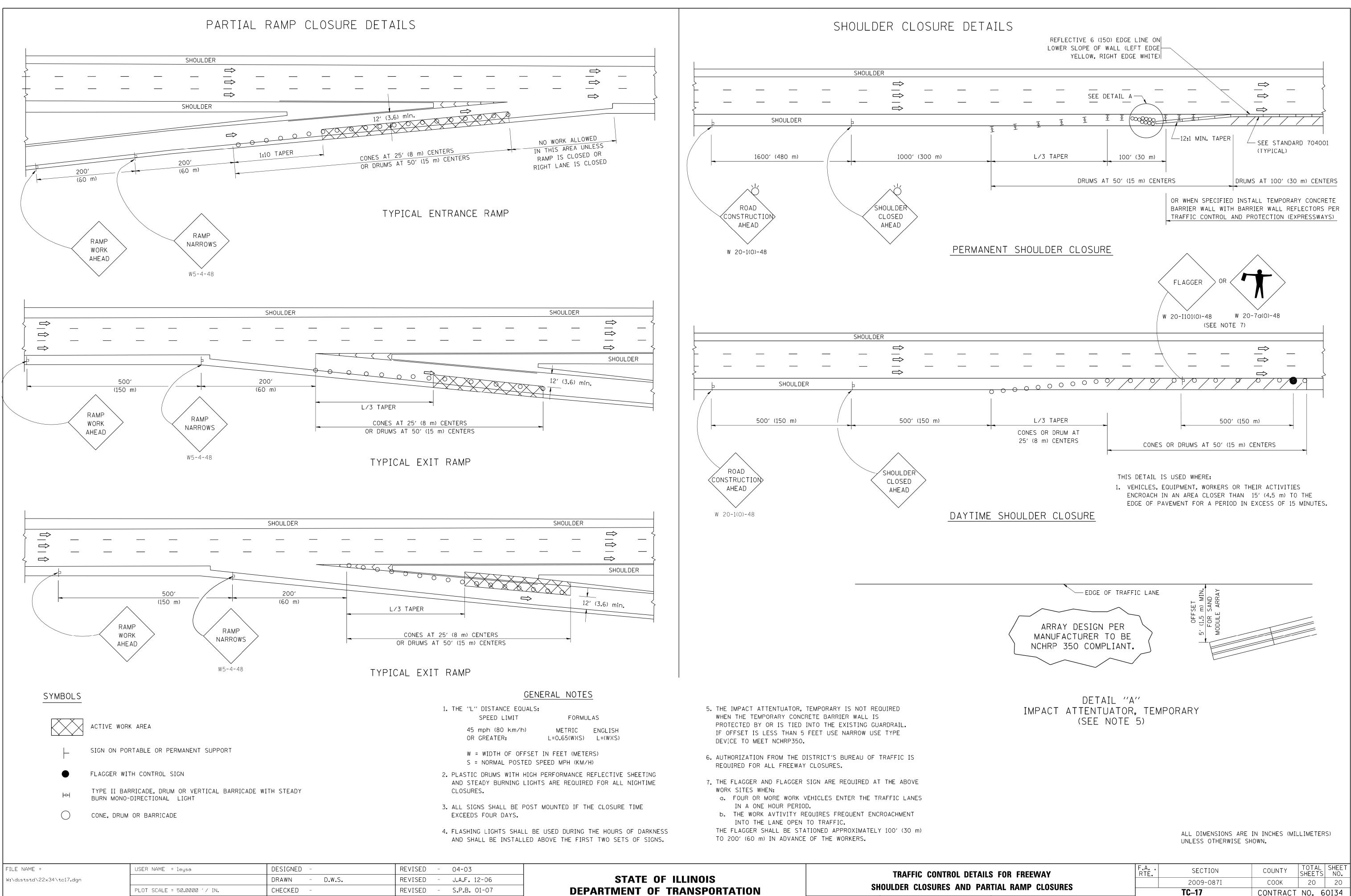
NU	IMBER,	SIZE	AND	OR	IEN	TAT	ION	Hi Hala sama
	OF (CONDU	ITS	AS	SHC)WN	ON	
THE	PLANS							

		THE PLANS AND ON DETAIL D
ITEM	SPECIFICATION	MFG./MODEL NO. OR APPROVED EQUAL
1 MICROWAVE RADIO	SEE "MICROWAVE SYSTEMS" SPECIFICATION	N/A
POWER SUPPLY CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 22KAIC	SIEMENS NO. ED41B015
3 CABINET HEATER/ FAN CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 22KAIC	SIEMENS NO. ED41B015
(4) CABINET HEATER	800W - 120V WITH INTEGRAL THERMOSTAT	HOFFMAN NO. DAH8001B
5 CABINET FAN	THERMOSTAT CONTROLLED 450 CFM MIN. COOLING CABINET FAN (WITH FAN FILTER)	HOFFMAN NO. A1OAXFN
6 POWER SUPPLY	120V INPUT TO -48VDC OUTPUT SEE "MICROWAVE SYSTEMS" SPECIFICATION	N/A
7 COAXIAL CABLE SURGE PROTECTOR	SEE "MICROWAVE SYSTEMS" SPECIFICATION	N/A
8 BACK PANEL	1/2" THICK SOLID PHENOLIC LAMINATE	ARBORON
9 POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQUIRED	MARATHON
(10) SURGE PROTECTOR	120VAC W/ 340V-20KA SERIES CHOKE & 5ns RESPONSE (SEE "COMM. CABINET & EQUIPMENT")	NZA
(11) F.O. PATCH PANEL	SEE "FIBER OPTIC WORK" SPECIFICATION	N/A

JNICATI	ONS CABINET DETAIL		CHRISTOPHER E 9575 W. Higgins Road, S Rosemont, Illinois 60018 (847) 823-0500	
		ITS CENTER-TO-CENTER INTEGRATION PROJECT	F.A. SECTION	COUNTY TOTAL SHEET SHEETS NO.
	STATE OF ILLINOIS	DETAILS (3 OF 3)	2009-087I	СООК 20 19
	DEPARTMENT OF TRANSPORTATION	DETAILS (5 01 5)		CONTRACT NO. 60I34
		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED	. AID PROJECT

- <u>NOTES</u>
- REFER TO SPECIAL PROVISIONS FOR CABINET DETAILS AND ADDITIONAL REQUIREMENTS.
 CABINET ENTRIES INCLUDE VERTICAL ARRANGEMENT

- CABINET ENTRIES INCLUDE VERTICAL ARRAINGEMENT FOR MAJOR EQUIPMENT ITEMS ONLY.
 INSTALL ADDITIONAL ITEMS ON SIDE AND BACK PANELS PER THE SPECIAL PROVISIONS.
 THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS IN FOUNDATIONS.
- 5. CONCRETE BASE TO BE FORMED AT LEAST 6.0 IN ABOVE
- 5. CONCRETE DASE TO BE FORMED AT LEAST 6.0 IN ABOVE THE GROUND SURFACE.
 6. CONCRETE BASE MUST BE CAST IN PLACE.
 7. ALL WORK SHOWN SHALL BE PAID FOR UNDER ITEM "COMMUNICATIONS CABINET AND EQUIPMENT", EXCEPT THE RADIO, COAX CABLE, DC POWER SUPPLY, COAX SURGE SUPPRESSOR, PATCH PANEL AND F.O. CABLING WHICH SHALL BE PAID FOR SEPARATELY.



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DEPARTMENT	OF	TRANSPORTATION

PLOT DATE = 1/26/2010

DATE

- 11-96

REVISED

S.P.B. 12-09

ILS FOR FREEWAY		RTE.	SECTION	COUNTY	SHEETS	NO.	
ARTIAL RAMP CLOSURES				2009-087I	СООК	20	20
				TC–17	CONTRACT	NO. 6	0I34
	STA.	TO STA.	FED. R	DAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT		

