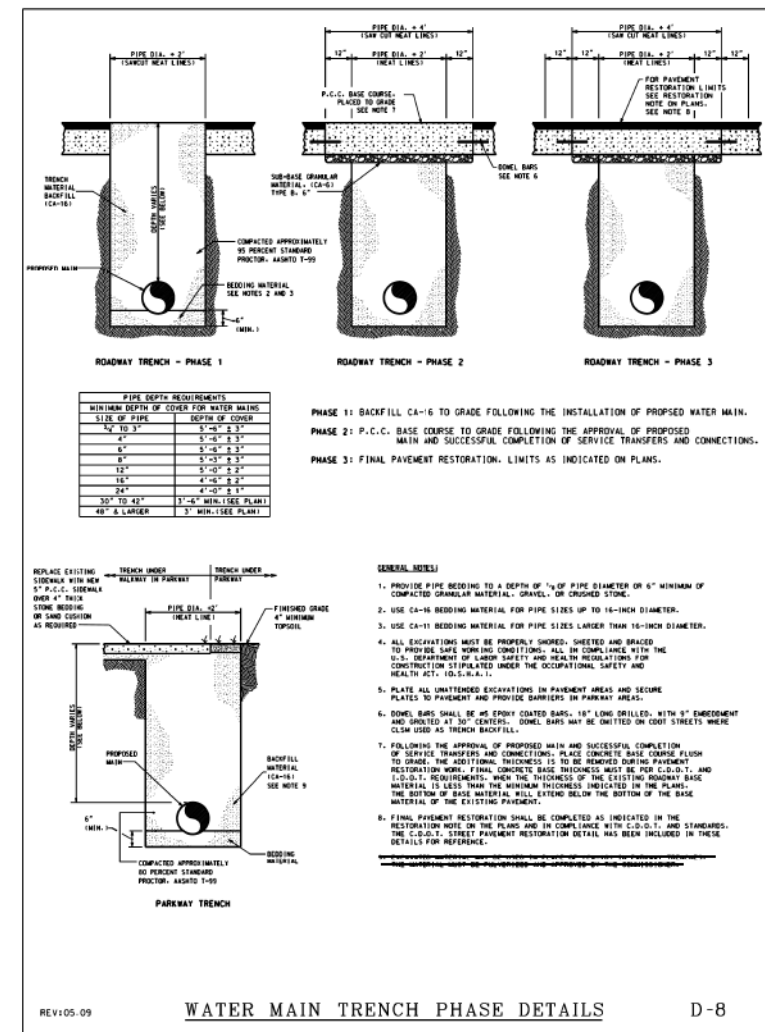
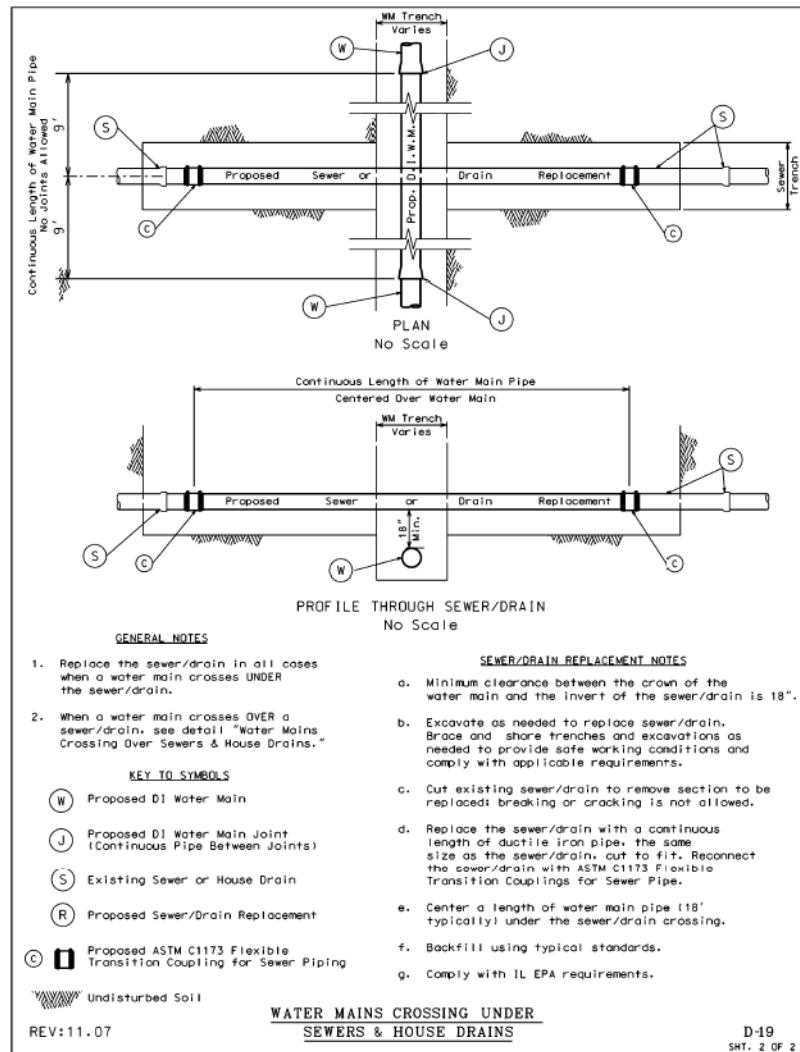
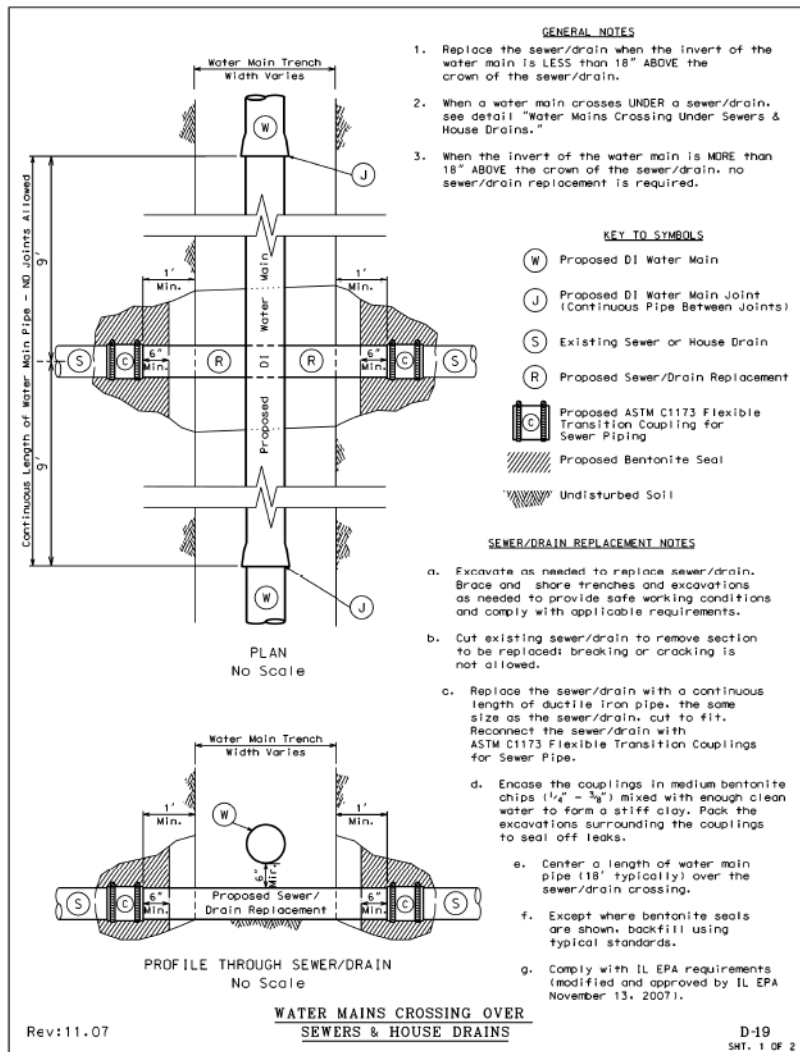


FILE PATH = P:\AECOM\NA\MSI\seecom\jline\local\AECOM_DS02_IL\Documents\01_Americas\Transportation\62629538_Circle Phase II\000_CAD\000_Roadway_Sheets\60X94_Roadway_Sheets\60X94_Contract\0160X94-SHT-WATERMAIN-08.dgn



D162A75-SHT-WH-DET-02.dgn
 USER NAME = dsahavez
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 3/28/2017

DESIGNED - RBB
 DRAWN - AFC
 CHECKED - MJE
 DATE - 03/21/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. R.T.E. 90/94/290
 SECTION 2015-021-I
 COUNTY COOK
 TOTAL SHEETS 153
 SHEET NO. 60
 CONTRACT NO. 62A75
 ILLINOIS FED. AID PROJECT



D160X94-SHT-WATERMAIN-08.dgn
 USER NAME = vjanachione
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED -
 DRAWN - NLD
 CHECKED - JMG
 DATE - 3-13-2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: NONE SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.I. R.T.E. 90/94/290
 SECTION 2014-015R&B-R
 COUNTY COOK
 TOTAL SHEETS 825
 SHEET NO. 201
 CONTRACT NO. 60X94
 ILLINOIS FED. AID PROJECT

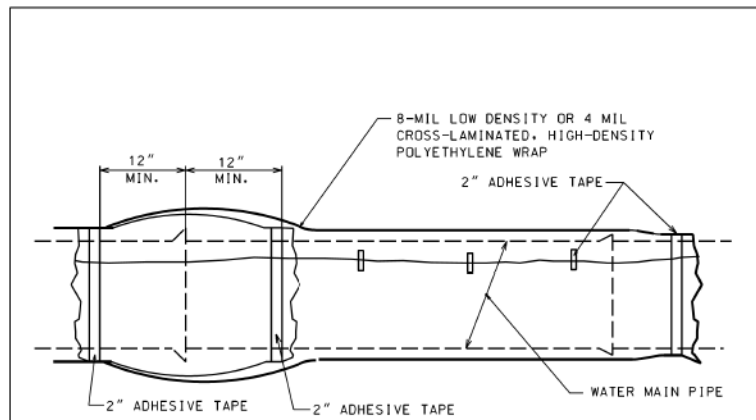


CHART "A" POLYWRAP FLAT TUBE WIDTHS

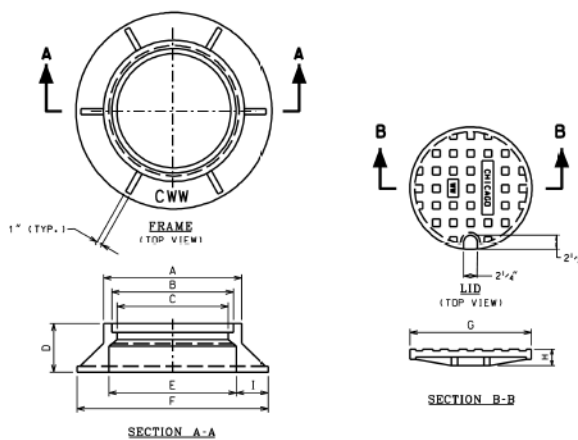
PIPE DIAMETER (IN.)	D.I.P. WITH PUSH-ON JOINTS (IN.)	D.I.P. WITH MECHANICAL JOINTS (IN.)
4	14	16
6	17	20
8	21	24
12	29	30
16	37	37
24	53	53

- NOTES:
- USE ONE LENGTH OF POLYETHYLENE TUBE WRAP FOR EACH LENGTH OF PIPE. OVERLAPPED AT PIPE JOINTS AND FOLD EXCESS OVER TOP OF TUBE FOR SLACK REDUCTION.
 - USE CHART "A" TO SELECT SIZE OF WRAP.

WATER MAIN
POLYETHYLENE WRAP DETAIL

REV104.09

D-10



- NOTES:
- LETTERING FOR CHICAGO W.W. ON THE LID SHALL BE 1" SHARP FACE GOTHIC LETTERS, 3/16" WIDE AND RAISED 1/8" FROM 1/8" RECESS AS MEASURED FROM THE TOP SURFACE OF THE LID.
- LETTERING FOR C.W.W. ON THE FRAME SHALL BE LOCATED ON THE TOP SURFACE OF THE HORIZONTAL FLANGE AND SHALL BE 1" SHARP FACE GOTHIC, 3/16" WIDE AND RAISED 1/8" AS MEASURED FROM THE FLANGE SURFACE. LOCATION OF LETTERING SHALL BE AS INDICATED ON DRAWING.

FRAME AND LID DIMENSIONS

DIMENSION	FRAME AND LID TYPES	
	STANDARD	36" SPECIAL F&L
A	26	-
B	23	36
C	21	34
D	9	8 1/2
E	24	36
F	36	45
G	22 3/4	36
H	3	1 1/2
I	6	4 1/2

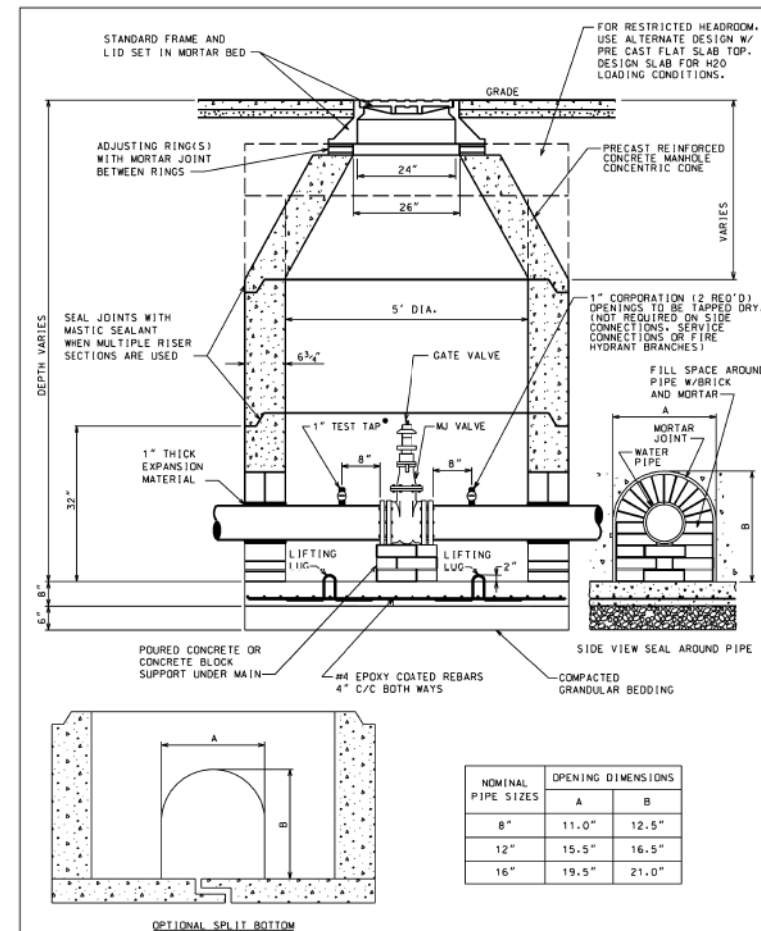
FRAME AND LID WEIGHTS

	FRAME AND LID TYPES	
	STANDARD	36" SPECIAL F&L
LID	152	-
FRAME	395	-
TOTAL	547	720

FRAME & LID

REV104.07

D-15



- USE TWO 2" TEST TAPS FOR 16" GATE VALVE

PRECAST VALVE BASIN
FOR PIPES UP TO 16" DIA.

REV105.09

D-13



D162A75-SHT-WM-DET-03.dgn
USER NAME = dshavez
PLOT SCALE = 48.0000' / 1" / 1" / 1"
PLOT DATE = 3/28/2017

DESIGNED - RBB
DRAWN - AFC
CHECKED - MJE
DATE - 03/21/2017

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	61
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



D160X94-SHT-WATERMAIN-09.dgn
USER NAME = v1janachione
PLOT SCALE = 100.0000' / 1" / 1" / 1"
PLOT DATE = 3/6/2020

DESIGNED -
DRAWN - NLD
CHECKED - JMG
DATE - 3-13-2020

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
JACKSON BOULEVARD

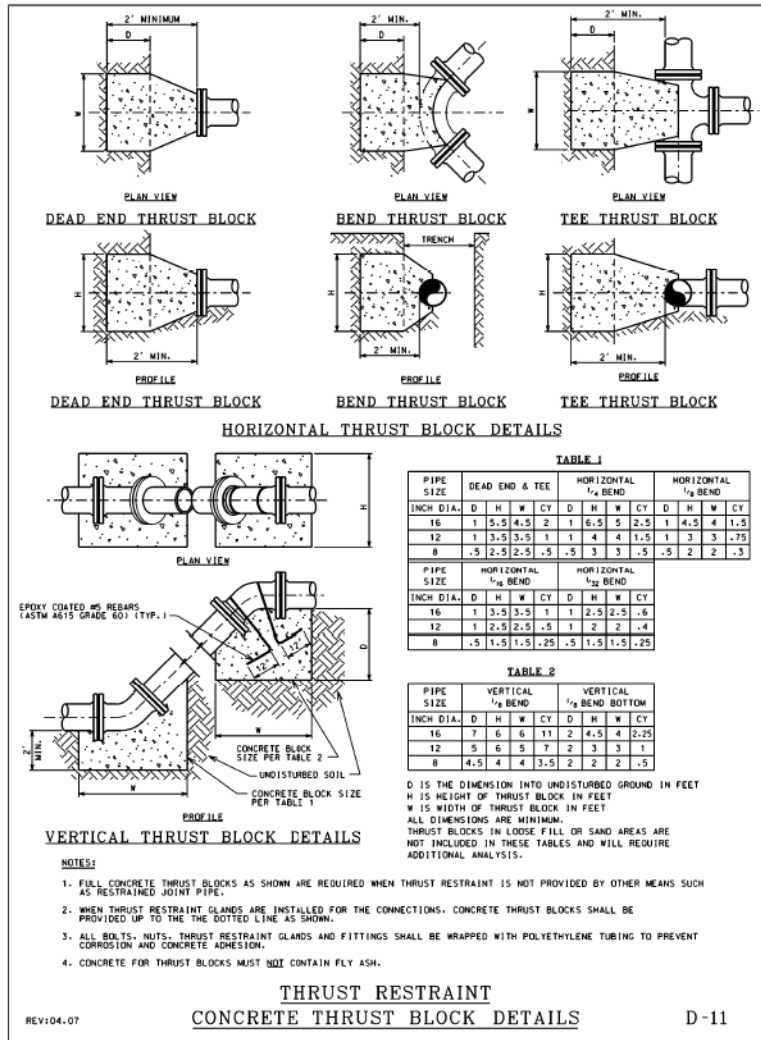
SCALE: NONE SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	202
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = P:\AECOM\NA\NSI\electrom\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\62269938_Circle Phase II\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-WATERMAIN-09.dgn

FILE PATH = P:\AECOM\NA\NSI\electrom\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\62269938_Circle Phase II\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-WM-DET-03.dgn

FILE PATH = p:\a\AECOM\NA\NS\leecomm\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\62269938_Circle\Phase_1\1000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-WATERMAIN-10.dgn



NOTES:

- PAYMENT FOR DWM STANDARD THRUST BLOCKS TO BE CONSTRUCTED PER DETAIL DRAWING D-11 IS INCLUDED IN THE COST OF DUCTILE IRON WATER MAIN, MECHANICAL JOINT 16". SEE SPECIAL PROVISIONS.



D162675-SHT-WM-DET-04.dgn
 USER NAME = dshavez
 PLOT SCALE = 48,0000' / in.
 PLOT DATE = 3/28/2017

DESIGNED - RBB
 DRAWN - AFC
 CHECKED - MJE
 DATE - 03/21/2017

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS
 SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	62
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



D160X94-SHT-WATERMAIN-10.dgn
 USER NAME = vjanachione
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED -
 DRAWN - NLD
 CHECKED - JMG
 DATE - 3-13-2020

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

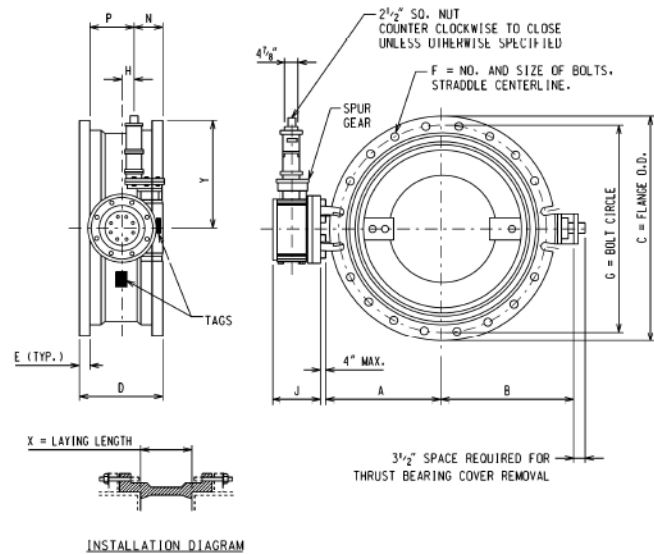
EXISTING WATER MAIN PLANS
 JACKSON BOULEVARD
 SCALE: NONE SHEET 10 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	203
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\a\AECOM\NA\NSI\elecmon\line\local\AECOM_DS02_IL\000_CAD\006_Roadway\Sheets\60X94_SHT-WATERMAIN-11.dgn

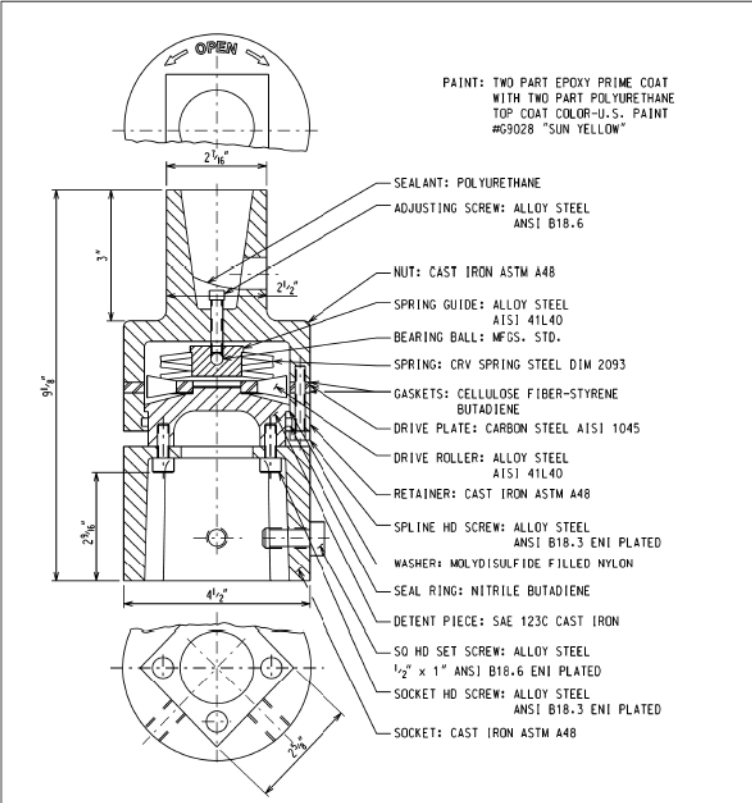
VALVE SIZE	A	B	C	D	E	F	G	X
24-INCH	18 1/2"	18 3/4"	31 3/8"	13 1/2"	1 3/8"	16	3 1/2"	30"
30-INCH	21 1/2"	24 1/4"	39"	18"	1 1/2"	20	1"	36 1/4"
36-INCH	25 1/4"	28 1/4"	45 1/2"	22"	2"	24	1 1/4"	43 1/4"
42-INCH	29 1/4"	32 1/4"	53"	22"	2"	28	1 1/2"	50 3/4"
48-INCH	34 1/8"	37 1/4"	59 1/4"	24"	2"	32	1 1/2"	57 1/2"

OPERATOR SIZE	J	L	M	N	P	Q	Y	VALVE	NO. OF TURNS
T-425	7 1/2"	6"	7 1/2"	6 1/2"	9 1/2"	6 3/8"	24"	36"	75
T-425	8"	6 3/4"	7 1/4"	6 3/4"	9 1/2"	6 3/8"	24"	48"	127



NOTE:
 1. BUTTERFLY VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA SPECIFICATION C-504-10 OR LATEST EDITION, CLASS 150B, SHORT BODY VALVE WITH MECHANICAL JOINT ACCESSORIES.
 2. OPERATORS ARE EQUIPPED WITH OPEN/CLOSE INDICATING ARROW. ASSEMBLY OPEN CLOCKWISE.

REV:07.07 BUTTERFLY VALVE FM-13



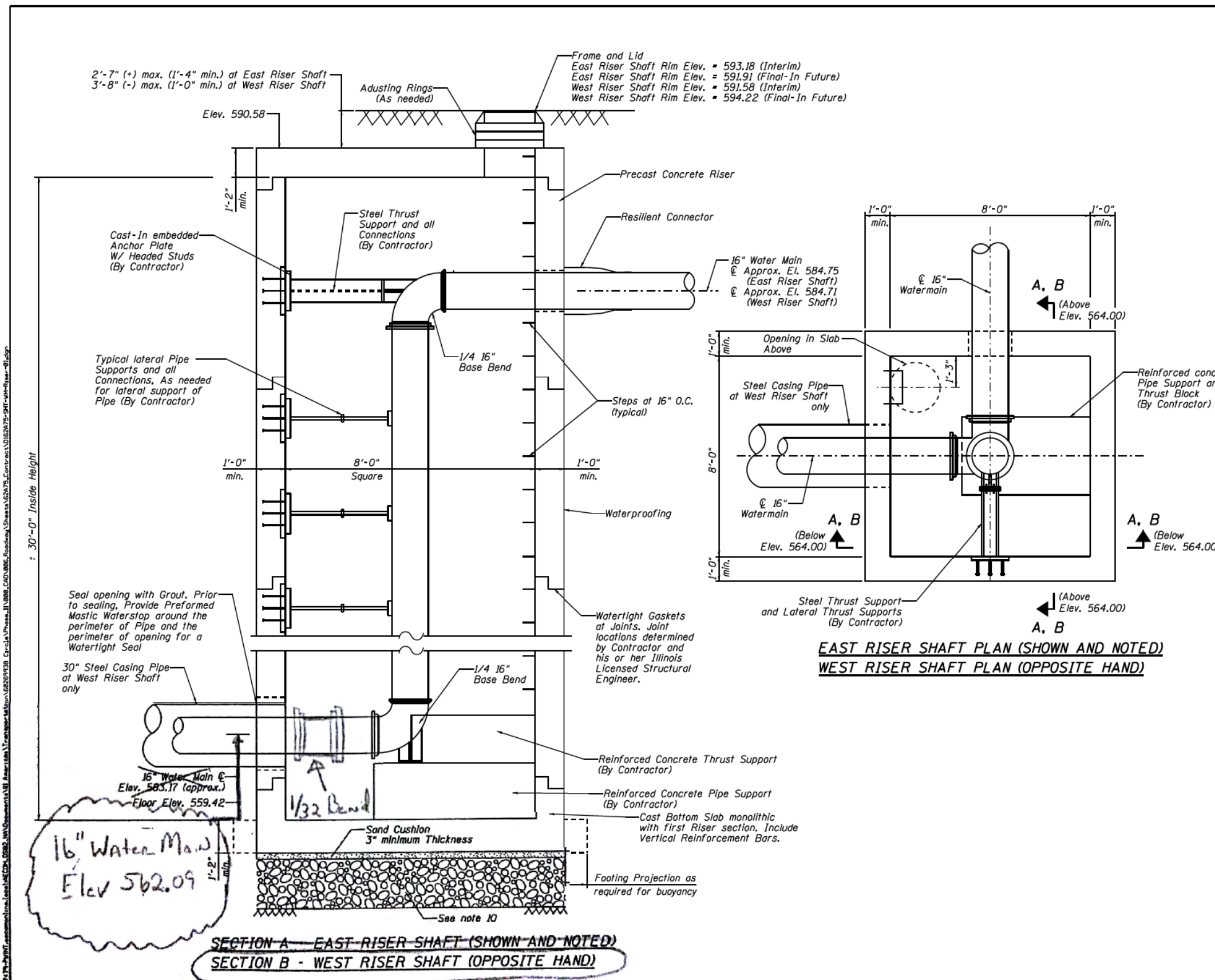
PAINT: TWO PART EPOXY PRIME COAT WITH TWO PART POLYURETHANE TOP COAT COLOR-U.S. PAINT #69028 "SUN YELLOW"

REV:04.07 TORQUE OVERLOAD PROTECTOR FM-14

NOTES:
 1. WATER MAIN CONTROL VALVE-48 INCH BUTTERFLY VALVE SHALL BE AN ADVANCE PROCUREMENT FOR CONTRACT 62A74. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

	D162A75-SHT-WM-DET-05.dgn	DESIGNED - RBB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN DETAILS 48 INCH BUTTERFLY VALVE ADVANCE PROCUREMENT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = dchevez PLOT SCALE = 40,0000' / in. PLOT DATE = 3/28/2017	DRAWN - AFC CHECKED - MJE DATE - 03/21/2017	REVISED - REVISED - REVISED -			90/94/290 2015-021-1 COOK 153 CONTRACT NO. 62A75	SHEET 1 OF 1 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT		

	D160X94-SHT-WATERMAIN-11.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING WATER MAIN PLANS JACKSON BOULEVARD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = vjanachione PLOT SCALE = 100,0000' / in. PLOT DATE = 3/6/2020	DRAWN - NLD CHECKED - JMG DATE - 3-13-2020	REVISED - REVISED - REVISED -			90/94/290 2014-015R&B-R COOK 825 CONTRACT NO. 60X94	SHEET 11 OF 17 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT		



- NOTES:**
- For water main general notes, construction sequencing notes, location plans and profile and water main and structure details, see sheet Nos. 54 through 67.
 - Riser shaft for the relocated water main shall be designed and constructed of precast reinforced concrete to the minimum requirements shown on the drawings, special provision for Precast Concrete Riser, required references and as shown at contractor's option, riser shaft may be constructed of cast-in-place concrete.
 - Riser shaft, pipe supports and thrust restraints for the relocated water main, including embedments into riser structure and all connections shall be designed by an Illinois Licensed Structural Engineer employed by the Contractor. Contractor shall submit design calculations, drawings and details sealed and signed by the Contractor's Illinois Licensed Structural Engineer.
 - Test pressure for water mains = 100 psi. Thrust restraints and riser shall be designed for 1.5 times the maximum test pressure.
 - All reinforcing bars shall be epoxy coated.
 - Concrete strength shall meet or exceed 5000 psi at 28 days.
 - Exterior surfaces of riser shaft shall be waterproofed for watertight structure.
 - Concrete cover:
 - Concrete placed against earth - 3"
 - Concrete in contact with earth or water - 2"
 - Soft clays occur in the soil profile for the borings in this area. Contractor shall review geotechnical report and boring logs in his selection of methods to support the excavation and for the design of the riser shaft and thrust restraints. Surface and subsurface water shall not be permitted to enter the excavation. The contractor shall comply with the requirements of the Illinois Department of Transportation (IDOT) and the various infrastructure departments of the City of Chicago, including, but not limited to, the Chicago Department of Transportation (CDOT), the Office of Underground Coordination (OUC) and the Department of Water Management (DWM).
 - During construction, soft clay is expected at the base of the excavation and a working platform will be required. To establish a working platform at the base of the precast riser shafts, the soil should first be evaluated during construction by the Engineer. The working platform shall consist of a minimum of 2 feet of compacted CA-1 gradation aggregate, capped with 6 inches of CA-6 gradation aggregate. The working platform at the base of the concrete riser shall be considered included within the cost of the Steel Casing Pipe Augered and Jacked 30".
 - Exact locations of existing water mains and existing below grade structures and utilities shall be determined in the field prior to excavation for water mains. Any conflicts with existing structures and utilities due to field conditions encountered that will impact construction shall be brought to the attention of the Engineer, so as not to delay construction, along with detailed locations of conflicting structures and utilities and suggested solutions to resolve the conflict for Engineer review and approval. Any changes required as a result of field conditions encountered shall be considered included within the cost of the respective pay item.
 - Contractor shall protect existing buried and above ground structures and utilities that are to remain during construction of the water main and riser shaft. The cost of such protection shall be included within the cost of the respective pay item.
 - All work to conform to IDOT Standard Specifications for Road and Bridge Construction, latest edition, unless otherwise specified. Use more stringent requirement where requirements conflict.
 - Assumed allowable net design soil bearing pressure=1500 psf. Verify in field by Contractor's Independent Geotechnical Engineer.
 - Coat all steel pipe supports and thrust supports with a polyamide epoxy paint system. Prepare surface and prime in accordance with coating manufacturer's recommendations.
 - The water main in the riser shall be paid for as "Ductile Iron Water Main, Mechanical Joint 16" at each location.

	DESIGNED - AAG	REVISED -
	DRAWN - HMC	REVISED -
	CHECKED - RBB	REVISED -
	DATE - 4/21/2017	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
SCALE:	SHEET 1 OF 3 SHEETS STA. TO STA.

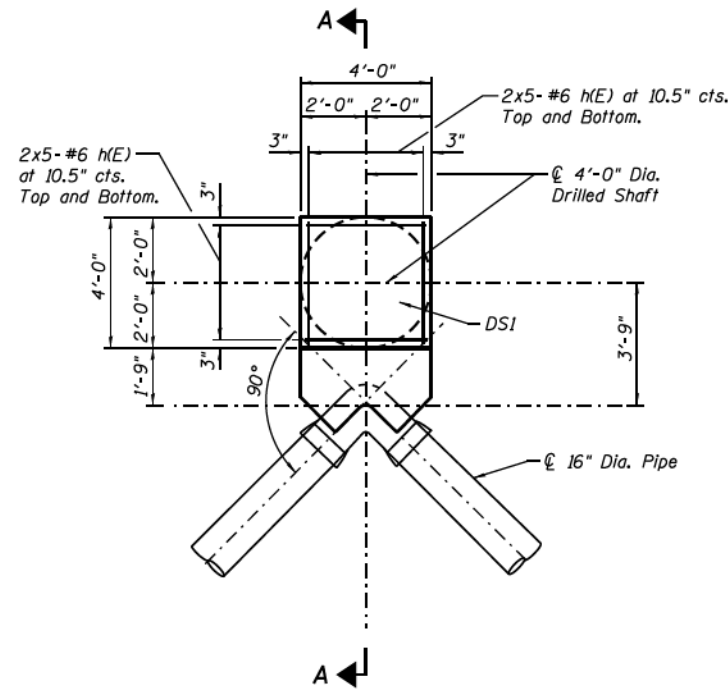
WATER MAIN RISER PLAN AND SECTIONS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		90/94/290	2015-021-I	COOK	153	64
		CONTRACT NO. 62A75		ILLINOIS FED. AID PROJECT		

	DESIGNED -	REVISED -
	DRAWN - NLD	REVISED -
	CHECKED - JMG	REVISED -
	DATE - 3-13-2020	REVISED -

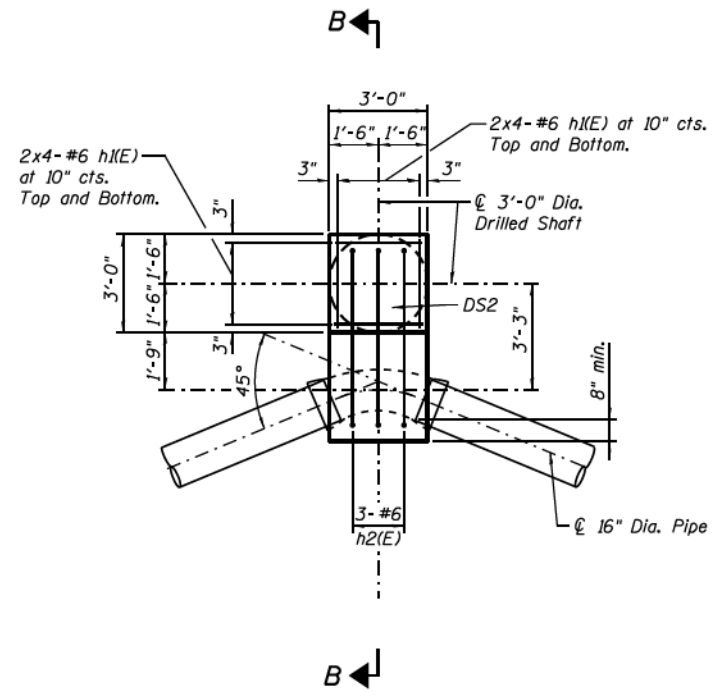
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
SCALE: NONE	SHEET 12 OF 17 SHEETS STA. TO STA.

EXISTING WATER MAIN PLANS JACKSON BOULEVARD		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		90/94/290	2014-015R&B-R	COOK	825	205
		CONTRACT NO. 60X94		ILLINOIS FED. AID PROJECT		

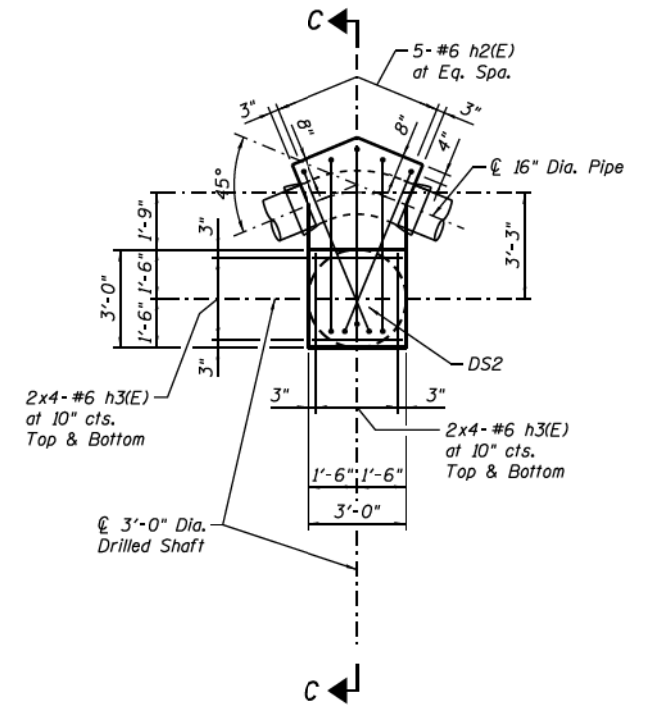
FILE PATH = p:\a\6214\proj\12.dgn
 PROJECT = 1200 CAD 006 Roadway Sheets 60X94 SHT-WATERMAIN-12.dgn
 USER NAME = v1janachione
 PLOT DATE = 3/6/2020



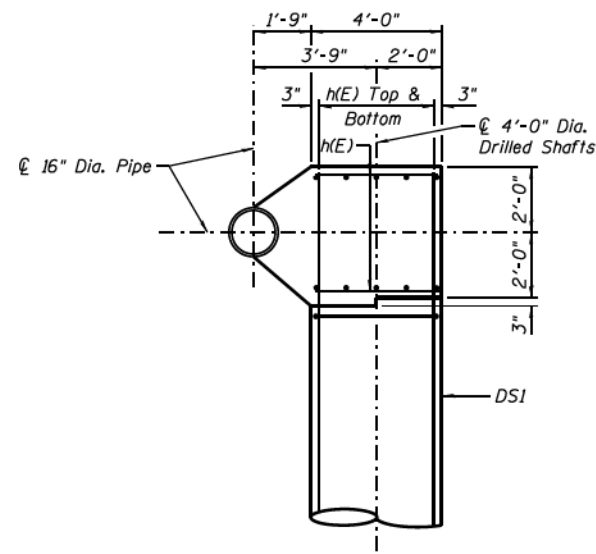
PLAN DETAIL
THRUST RESTRAINT - TYPE 1 (1 THUS)



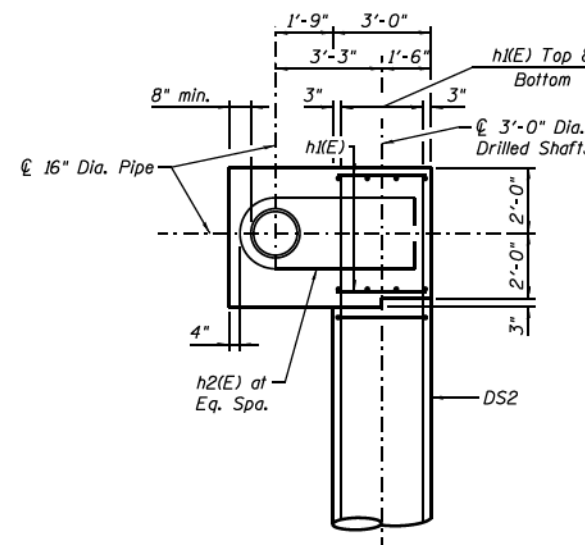
PLAN DETAIL
THRUST RESTRAINT - TYPE 2 (2 THUS)



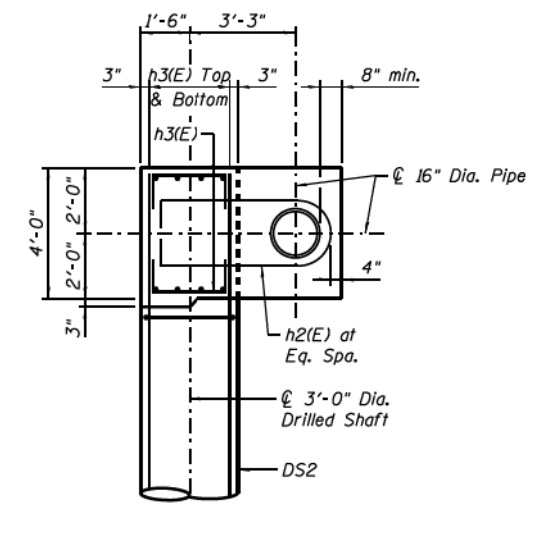
PLAN DETAIL
THRUST RESTRAINT - TYPE 3 (1 THUS)



SECTION A-A



SECTION B-B



SECTION C-C

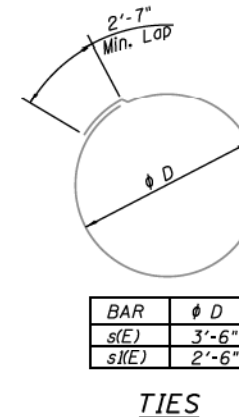
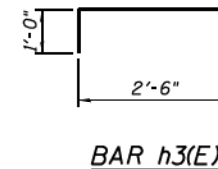
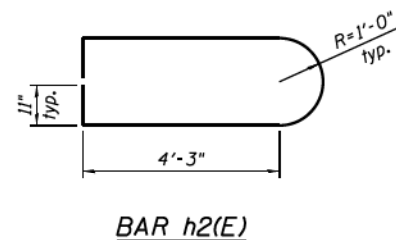
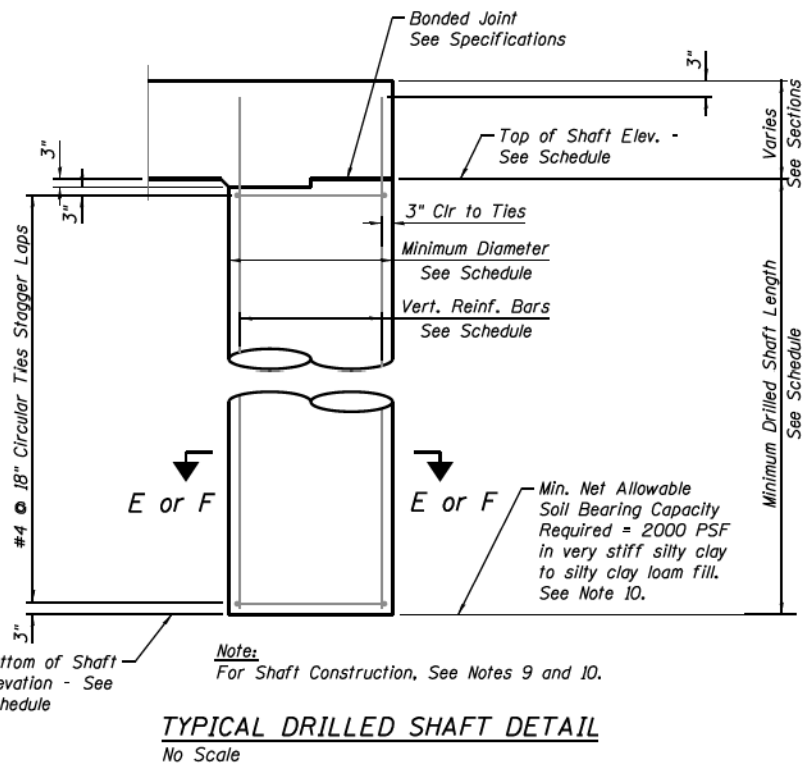
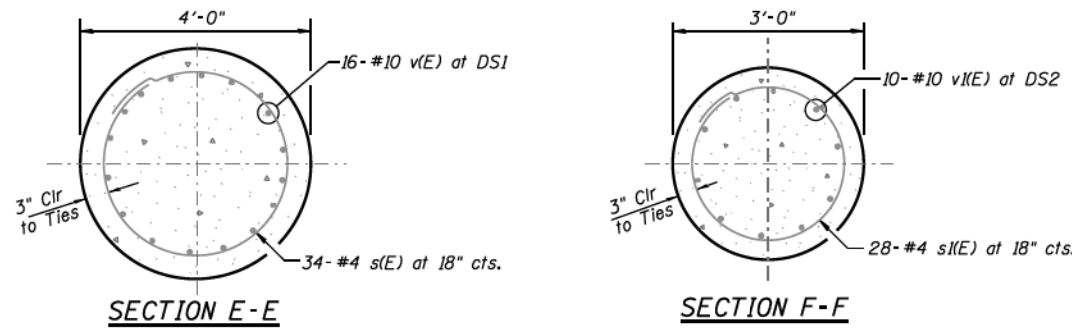
NOTES:

1. Work this sheet with Sheet No. 66.

	D162A75-SHT-WM-Thrust-Detail-01.dgn	DESIGNED - AAG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN THRUST RESTRAINT DETAILS AND SECTIONS	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = fjarasg PLOT SCALE = 200' / 1" / 1" / 1" PLOT DATE = 3/17/2017	DRAWN - GF	REVISED -			90/94/290	2015-021-I	COOK	153	65
				SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.		CONTRACT NO. 62A75				
						ILLINOIS FED. AID PROJECT				

	D160X94-SHT-WATERMAIN-13.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING WATER MAIN PLANS JACKSON BOULEVARD	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = v1janachione PLOT SCALE = 100.0000' / 1" / 1" / 1" PLOT DATE = 3/6/2020	DRAWN - NLD	REVISED -			90/94/290	2014-015R&B-R	COOK	825	206
				SCALE: NONE SHEET 13 OF 17 SHEETS STA. TO STA.		CONTRACT NO. 60X94				
						ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA\NSI\elecmon\line\local\AECOM_DS02_IL\000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-SHT-WATERMAIN-13.dgn



BAR	phi D
s(E)	3'-6"
s(E)	2'-6"

**THRUST RESTRAINTS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	20	#6	3'-6"	—
h(E)	32	#6	2'-6"	—
h2(E)	11	#6	13'-6"	D
h3(E)	16	#6	4'-6"	—
v(E)	16	#10	53'-6"	—
v(E)	30	#10	44'-6"	—
s(E)	34	#4	13'-8"	○
s(E)	84	#4	10'-6"	○
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	12	
Reinforcement Bars, Epoxy Coated		Pound	10,890	
Drilled Shaft In Soil		Cu. Yd.	56	

NOTES:

- For water main general notes, location plans, profiles, details and thrust restraint locations and types see Sheet Nos. 54 through 62. For existing water main reference drawings, see Sheet Nos. 55, 68 and 69.
- Exact locations of existing water mains, existing concrete thrust blocks and existing below grade structures and utilities shall be determined in the field prior to excavation for water mains and drilling shafts for new reinforced concrete thrust restraints and pipe supports. Any conflicts with existing structures and utilities due to field conditions encountered that will impact construction shall be brought to the attention of the Engineer, so as not to delay construction, along with detailed locations of conflicting structures and utilities and suggested solutions to resolve the conflict for Engineer review and approval.
- Contractor shall protect existing buried and above ground structures and utilities that are to remain during construction of the water main and thrust restraints. The cost of such protection shall be considered included within the cost of the respective pay item.
- New permanent concrete thrust restraints shall have been in place for a minimum of 28 days and shall have achieved a minimum 28 day compressive strength of 4000 psi prior to pressure testing pipe with water.
- Maximum test pressure for water mains = 100 psi.
- Fitting bends shall not be encased in concrete unless otherwise noted on the drawings. Minor adjustments to concrete dimensions and reinforcing bars shown may be required in the field and shall be considered included within the cost of the respective pay item.
- Trench excavation and backfill for thrust restraint shall be considered included within the cost of the Ductile Iron Water Main, Mechanical Joint, 16" pay item.
- Mechanical reinforcing bar splices, where shown or required, shall be considered included within the cost of Reinforcement Bars, Epoxy Coated.
- Contractor shall review Geotechnical Report and boring logs in his selection of methods to support the excavation in the various stages of shaft drilling, cleaning and concrete placement dependent on the boring logs and site conditions encountered. Surface water shall not be permitted to enter the hole. The Contractor shall comply with the requirements of the Illinois Department of Transportation (IDOT) and the various infrastructure departments of the City of Chicago, including, but not limited to, the Chicago Department of Transportation (CDOT), the Office of Underground Coordination (OUC) and the Department of Water Management (DWM).
- Shafts must be drilled into very stiff silty clay to silty clay loam with a minimum net allowable soil bearing capacity of 2000 PSF, however, the drilled shaft shall not be less than 50 feet in length for DS1 & 41 feet in length for DS2
- Concrete Cover:
 - Concrete placed against earth - 3"
 - Concrete in contact with earth - 2"
- All work to conform to IDOT Standard Specifications for Road and Bridge Construction, latest edition.
- Work this sheet with Sheet No. 65.

TYPICAL DRILLED SHAFT DETAIL
No Scale

SCHEDULE FOR DRILLED SHAFTS IN SOIL

MARK	TOTAL QUANTITY	ELEV. @ WATERMAIN (FEET)	ELEV. TOP OF DRILLED SHAFT (FEET)	ELEV. BOTTOM OF DRILLED SHAFT (FEET)	MINIMUM DRILLED SHAFT LENGTH (FEET)	MINIMUM DRILLED SHAFT DIAMETER (FEET)	VERTICAL REINFORCEMENT BARS AT EACH SHAFT	CIRCULAR TIES AT EACH SHAFT	SECTION	THRUST RESTRAINT TYPE
DS1	1	587.37	585.37	535.37	50'	4'-0"	16- #10 v(E)	34- #4 s(E) at 18"	E	1
DS2	3	587.47	585.47	544.47	41'	3'-0"	10- #10 v(E)	28- #4 s(E) at 18"	F	2, 3

LEGEND

DS - Drilled Shaft



DESIGNED - AAG
DRAWN - GF
CHECKED - KWH/AAG
DATE - 03/21/2017

REVISOR -
REVISION -
REVISOR -
REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN THRUST RESTRAINT DETAILS AND SECTIONS

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	66
			CONTRACT NO. 62A75	
ILLINOIS FED. AID PROJECT				



DESIGNED -
DRAWN - NLD
CHECKED - JMG
DATE - 3-13-2020

REVISOR -
REVISION -
REVISOR -
REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
JACKSON BOULEVARD

SCALE: NONE SHEET 14 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	207
			CONTRACT NO. 60X94	
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\a\AECOM\NA\ANSI\electrom\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\62A75\20170321-Final\AECOM\62A75-SHT-Water-Thrust-Detail-02.dgn

FILE PATH = p:\N\AECOM\N\ANS\I\ecomm\line\local\AECOM_DS02_MN\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\1000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-SHT-WATERMAIN-15.dgn

D:\CSA\15-int-Southern\15.dgn

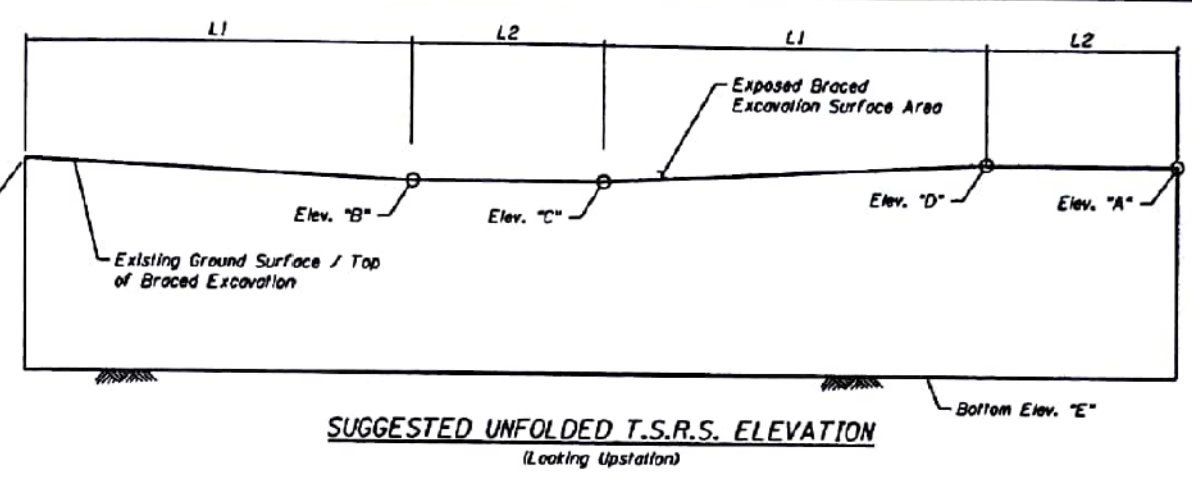
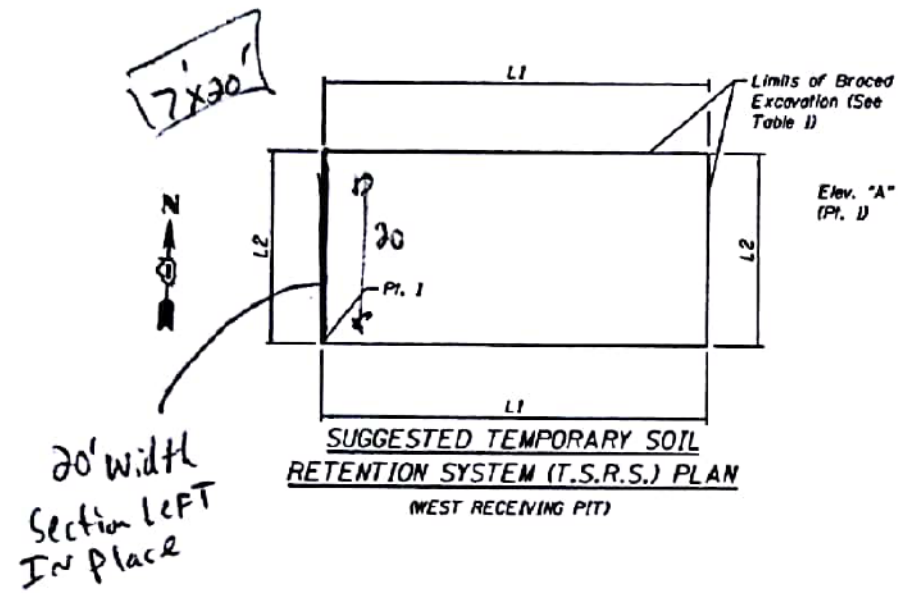


TABLE 1

Pt.	Sta.	Offset.	L1 (ft)	L2 (ft)	Elevation				
					A	B	C	D	E
1	8211+68.25	84.27' RT	24	20	+592.83	+587.62	+587.62	+592.83	+555.50

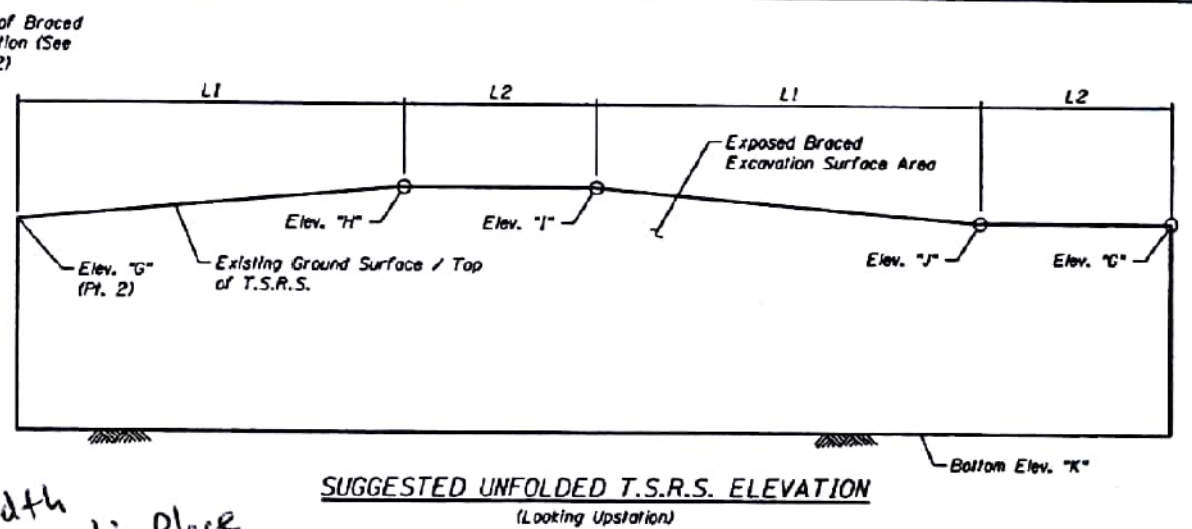
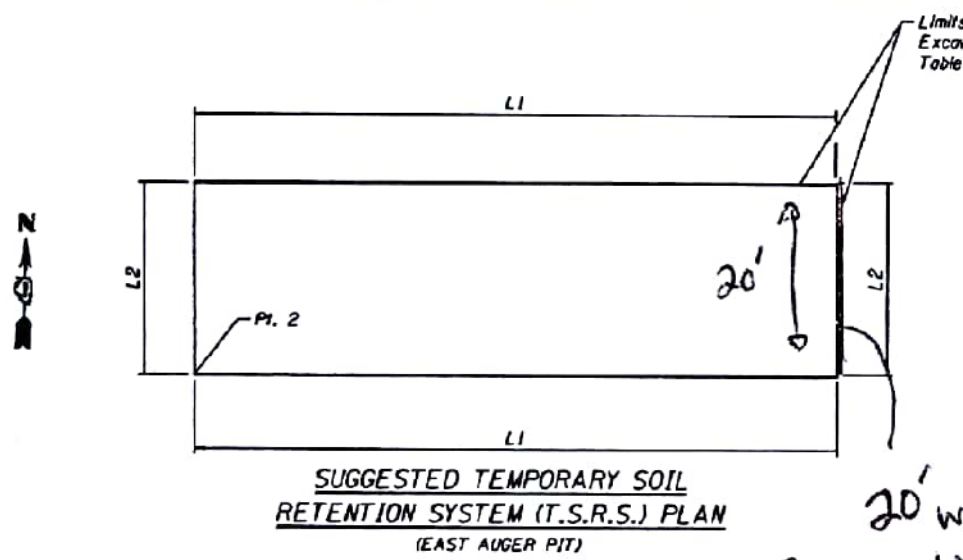
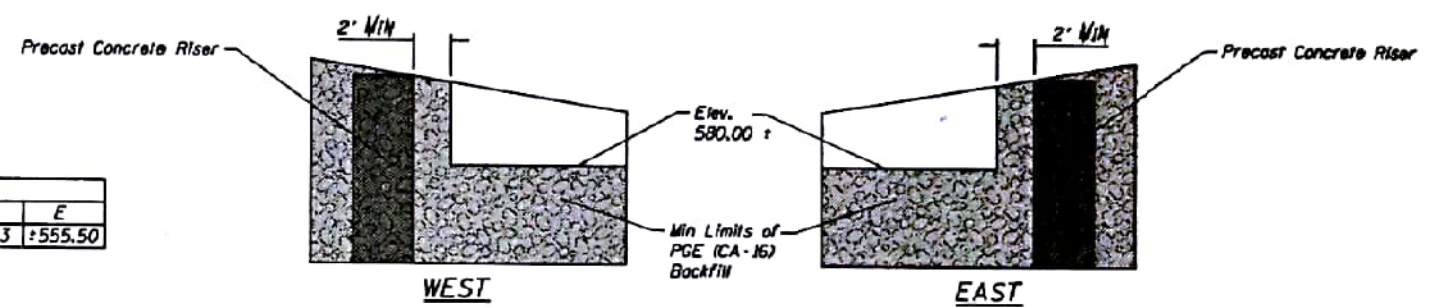


TABLE 2

Pt.	Sta.	Offset.	L1 (ft)	L2 (ft)	Elevation				
					G	H	I	J	K
2	8214+66.93	83.36' RT	40	20	+585.58	+593.23	+593.23	+585.58	+555.50

NOTES

1. Temporary Soil Retention System layout and elevations provided are for contractor bidding purposes only. Exact layout and elevations of Temporary Soil Retention System (T.S.R.S.) shall be determined by contractor in the field.
2. Excavation, backfilling (including PGE backfill), and bracing system and/or T.S.R.S. is included in the pay item "Steel Casing Pipe Augered and Jacked 30".
3. The bracing system for the T.S.R.S shall be installed without the use of Impact-type pile drivers. The proposed equipment and procedures used for the installation of bracing system shall be submitted to the Engineer for approval prior to their use. If vibratory equipment utilized, the Contractor shall also submit documentation regarding the operating noise levels and operating vibration characteristics of the equipment proposed. The approval of the equipment and procedure by the Engineer does not guarantee the performance in the field of the equipment will be acceptable. If in the judgment of the Engineer, the noise and/or vibration effects exceed those required by the local residents, then the Contractor must halt production and find a remedy suitable to the Engineer. Threshold values for vibration monitoring are included in the special provision "CONSTRUCTION VIBRATION MONITORING". The costs incurred finding suitable equipment and procedures shall be included in the cost of "Steel Casing Pipe Augered and Jacked 30". No additional costs shall be paid for this effort.



USER NAME = dshovaz	DESIGNED - CRH	REVISED
PLOT SCALE = N.T.S.	CHECKED - ATB	REVISED
PLOT DATE = 4/21/2017	DRAWN - CRH	REVISED
	CHECKED - ATB	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED TEMPORARY SOIL RETENTION SYSTEM DETAIL
JACKING & RECEIVING PITS
SHEET NO. 5-1 OF 5-1 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2015-021-1	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 87
CONTRACT NO. 62A75			ILLINOIS FED. AID PROJECT	



D160X94-SHT-WATERMAIN-15.dgn	DESIGNED -	REVISED -
USER NAME = v1janachione	DRAWN - NLD	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - JMG	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

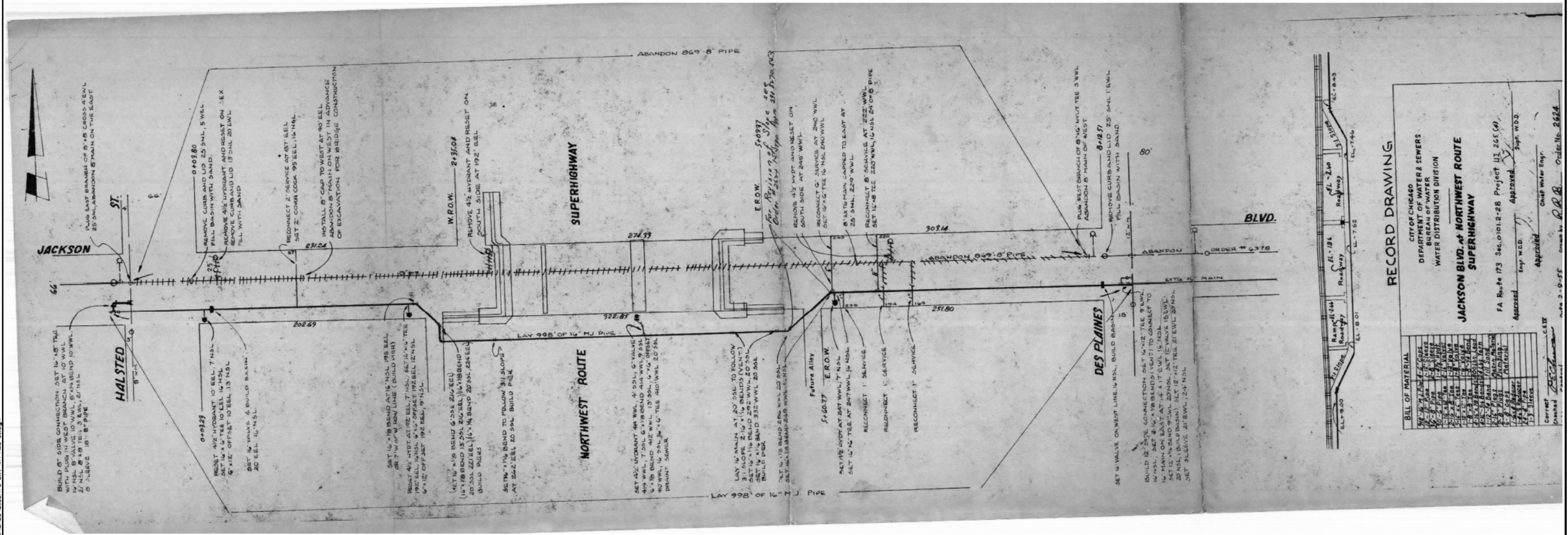
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
JACKSON BOULEVARD

SCALE: NONE SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 208
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



RECORD DRAWING

CITY OF CHICAGO
DEPARTMENT OF WATER SEWERS
BUREAU OF WATER
WATER DISTRIBUTION DIVISION

**JACKSON BLVD. AT NORTHWEST ROUTE
SUPERHIGHWAY**

FA Route #73 Sec. 01012-28 Project UI 265 (A)

Approved: *[Signature]* Sup. W.D.D.
Approved: *[Signature]* Chief Water Eng.
Checked: *[Signature]* Clerk

Issue No. 2624

FILE PATH = P:\62629938\62629938\Roadway\Printing\62629938\Final\62629938-SHT-WM-REC-01.dgn



DESIGNED -	REVISÉ -
DRAWN -	REVISÉ -
CHECKED -	REVISÉ -
DATE - 03/21/2017	REVISÉ -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN RECORD INFORMATION	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	68
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				

DESIGNED -	REVISÉ -
DRAWN - NLD	REVISÉ -
CHECKED - JMG	REVISÉ -
DATE - 3-13-2020	REVISÉ -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

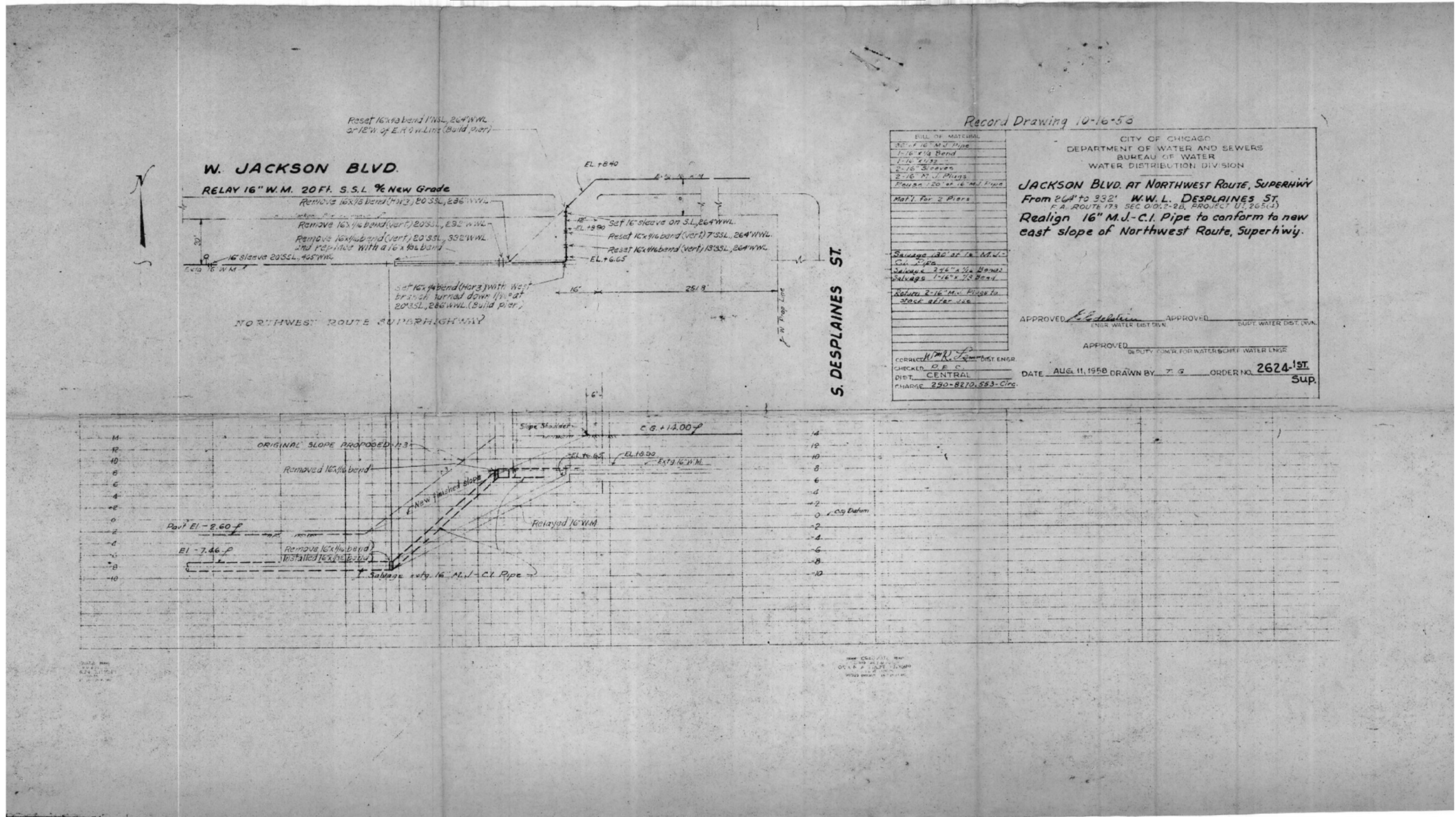
EXISTING WATER MAIN PLANS	
SCALE: NONE	SHEET 16 OF 17 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	209
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				



FILE PATH = P:\AECOM\NA\NSI\escomon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\62629938\Circle Phase II\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-WATERMAIN-16.dgn

FOR INFORMATION ONLY



Record Drawing 10-16-56

CITY OF CHICAGO
DEPARTMENT OF WATER AND SEWERS
BUREAU OF WATER
WATER DISTRIBUTION DIVISION

JACKSON BLVD. AT NORTHWEST ROUTE, SUPERHWY
From 264' to 332' W.W.L. DESPLAINES ST.
F.A. ROUTE 173 SEC 01/2-20, PROJECT U1, 265(1)
Realign 16" M.J.-C.I. Pipe to conform to new east slope of Northwest Route, Superhighway.

APPROVED: *[Signature]* APPROVED: *[Signature]*
ENGR. WATER DIST. DIV. DEPT. WATER DIST. DIV.

APPROVED: *[Signature]*
DEPUTY COMR. FOR WATER & SEWER WATER LINE

CORRECTED: *[Signature]* DIST. ENGR.
CHECKER: D.E.C.
DIST. CENTRAL
CHARGE: 290-8270.553-Circ.

DATE: AUG 11, 1958 DRAWN BY: Z.G. ORDER NO. 2624-1ST
Sup.

FILE PATH = P:\6228277\000\CD\000_Roadway\Printing\62275_20170331-Final\CD\0162275-SHT-14-REC-02.dgn



D16275-SHT-WM-REC-02.dgn	DESIGNED -	REVISED -
USER NAME = dshevez	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/20/2017	DATE = 03/21/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RECORD INFORMATION	
SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	69
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



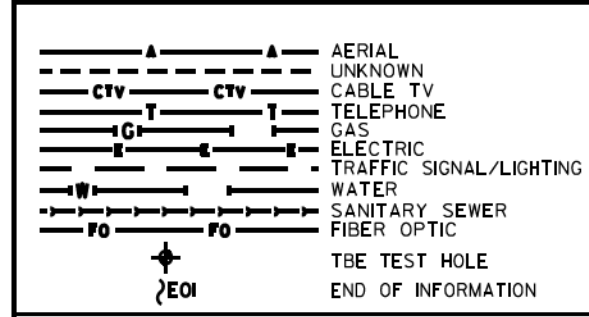
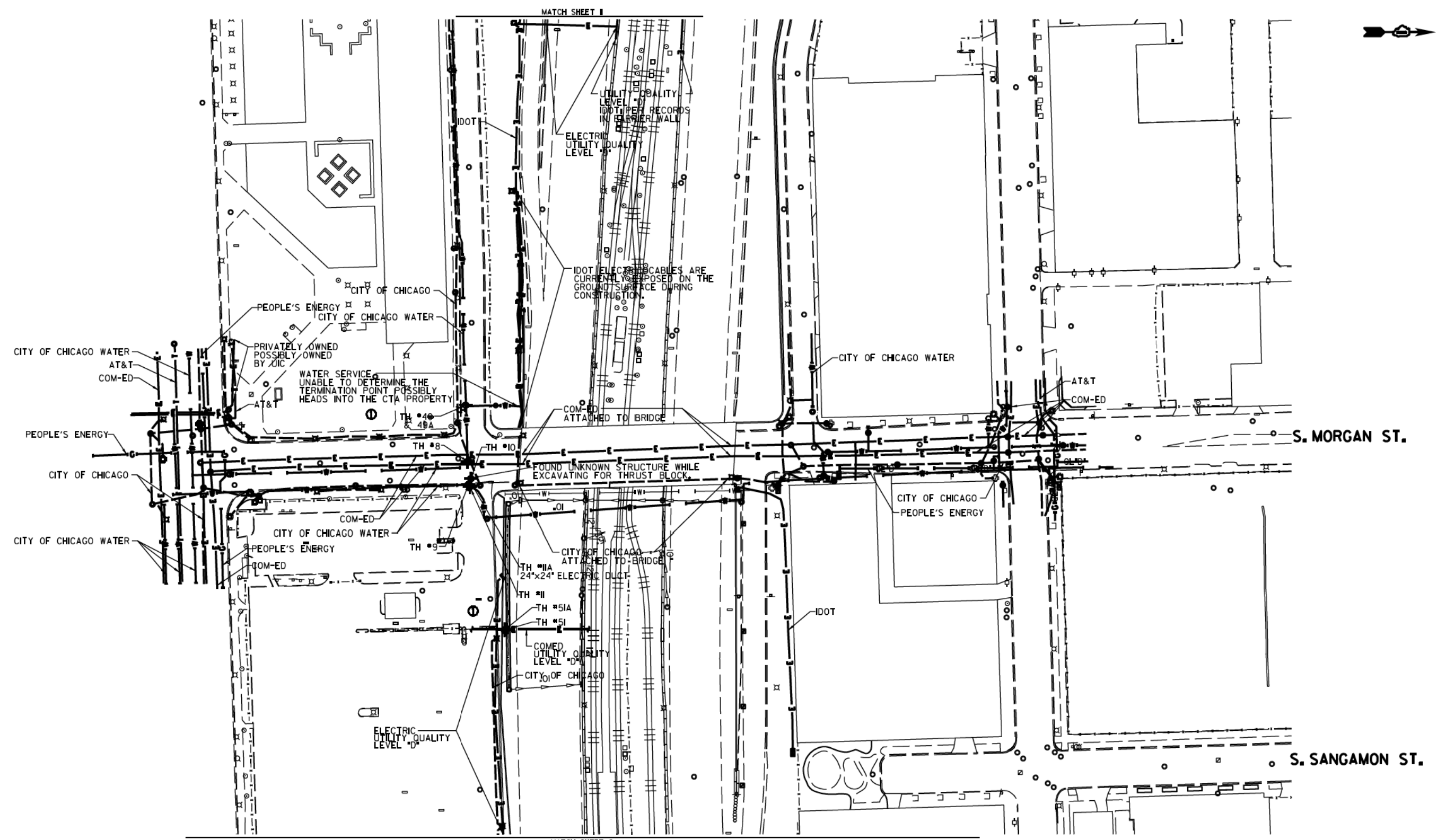
D16094-SHT-WATERMAIN-17.dgn	DESIGNED -	REVISED -
USER NAME = vjanachione	DRAWN - NLD	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - JMG	REVISED -
PLOT DATE = 3/6/2020	DATE = 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS	
SCALE: NONE	SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	210
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = P:\AECOM\NA\NSI\elecmon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\6228275_20170331-Final\CD\0162275-SHT-14-REC-02.dgn

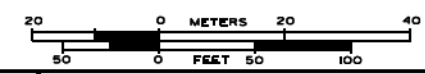


UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
IDOT	= ELECTRIC
PEOPLE'S ENERGY	= GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 43 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60433
 (815) 744-3720 claussewhite@cwasurevey.com



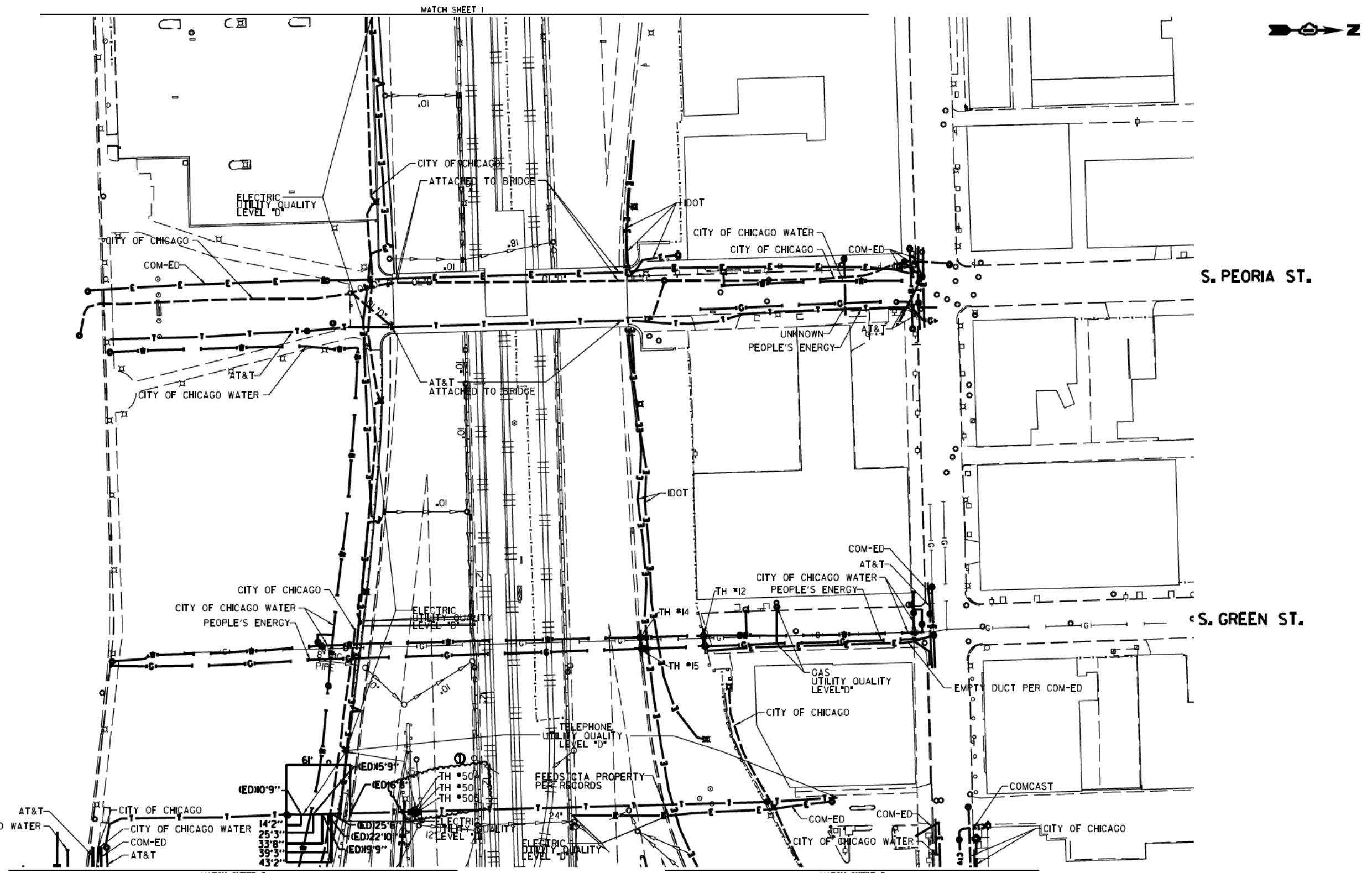
Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

DESIGNED	JP	REVISED	12/20/16
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	12/18/15	REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
 Chicago, Illinois
 SHEET 1 OF 27 SHEETS

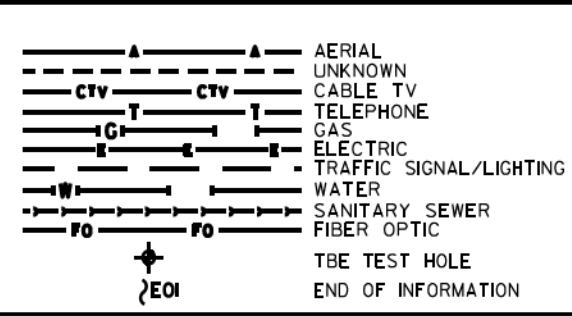
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	211
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-12				



MATCH SHEET 1

MATCH SHEET 3

MATCH SHEET 3



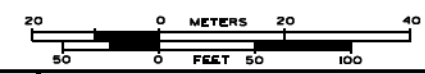
UTILITY OWNERS
 AT&T = TELEPHONE
 COMCAST = CABLE TV
 COM-ED = ELECTRIC
 CITY OF CHICAGO = ELECTRIC
 CITY OF CHICAGO WATER = WATER
 IDOT = ELECTRIC
 PEOPLE'S ENERGY = GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 63 AIRPORT DRIVE, SUITE 1, JOLIET, ILLINOIS 60433
 (815) 744-3720 clausse@cwawhite.com



TBE Job No. L0950531 563, 647, 737
 SUE Plan Pages 2 of 12

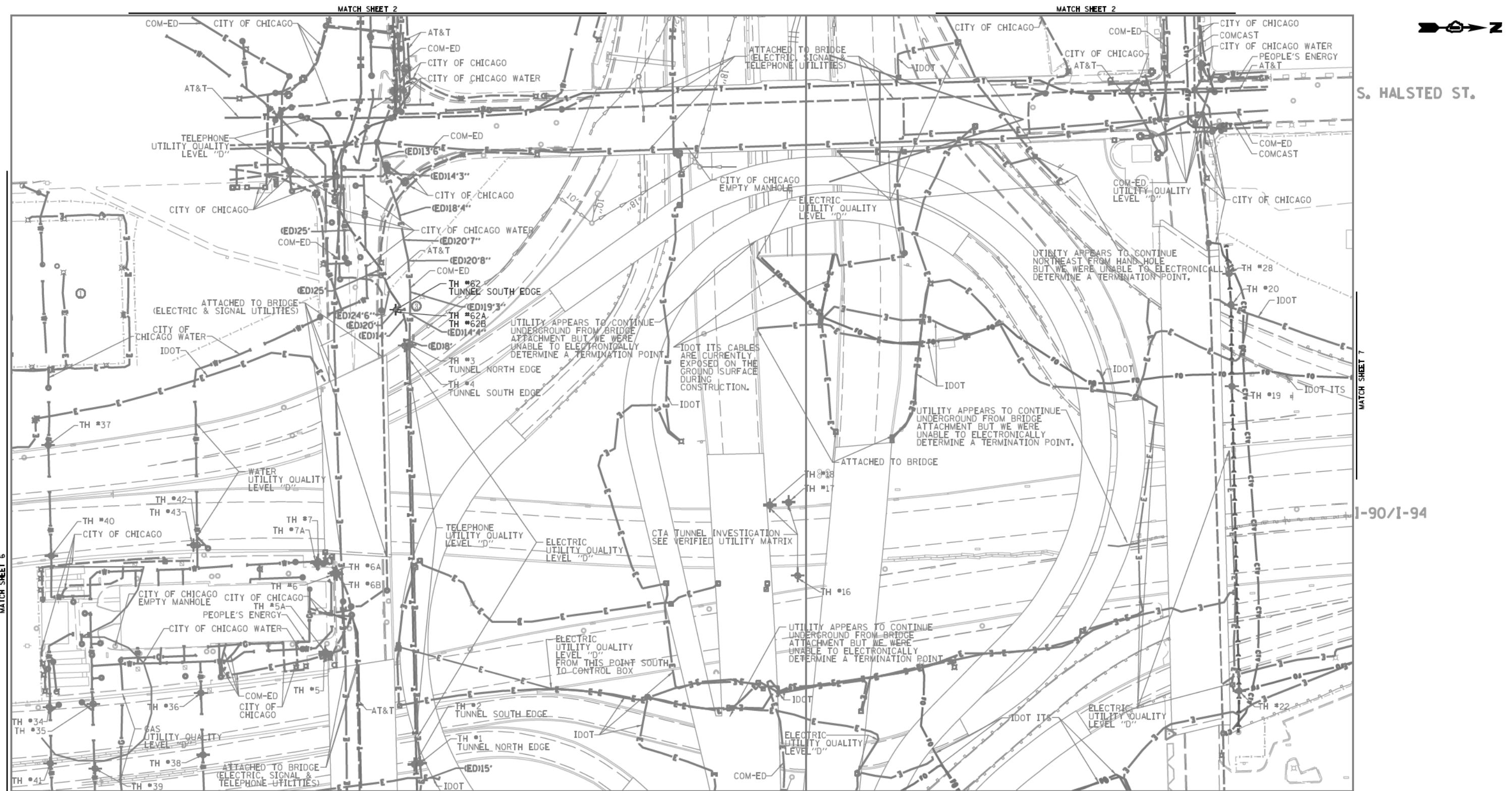
Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

DESIGNED JP	REVISED 12/20/16
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

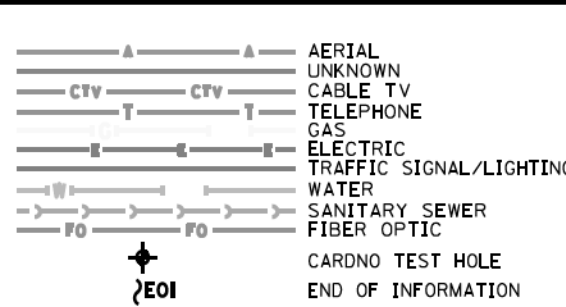
I-94-901-290 (Circle Interchange)
 Chicago, Illinois
 SHEET 2 OF 27 SHEETS

F.A. R.T.C.	SECTION N/A	COUNTY Cook	TOTAL SHEETS 825	SHEET NO. 212
FED. ROAD DIST. NO.		ILLINOIS	DOT Project No. P-94-259-12	



S. HALSTED ST.

I-90/I-94



UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC
PEOPLE'S ENERGY	= GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 10/21/15. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 1/24/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 5/11/18 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

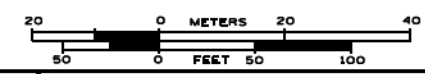
CHANGES TO UTILITIES OUTSIDE THE LIMITS OF THIS INVESTIGATION AREA MAY HAVE BEEN MADE AFTER OUR PREVIOUS INVESTIGATION AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DR. UNIT 1, COLETT, ILLINOIS 60431
(815) 744-3720 clausen@theccsurvey.com

Engineers & Surveyors
CARDNO Job No. 109510531, 563, 647, 737, 758, 761, 764
SUE Plan Pages 3 of 12



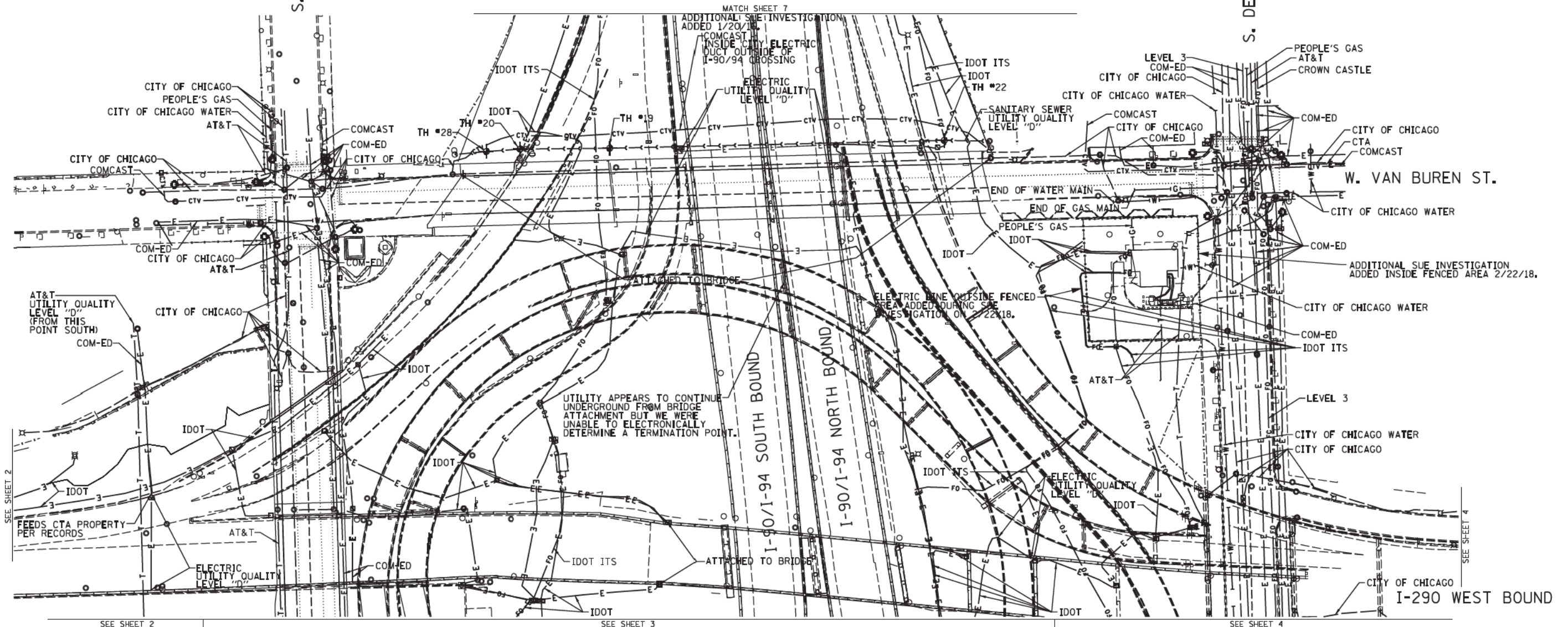
Utility Quality Level "A": Visually Verified Test Hole	DESIGNED JP	REVISED 2/01/17 ADDED UTILITIES
Utility Quality Level "B": Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED 5/24/18 ADDED TH #2, 62A
Utility Quality Level "C": Research with Survey	CHECKED MGR	REVISED
Utility Quality Level "D": Records Research	DATE 12/18/15	REVISED

DESIGNED JP	REVISED 2/01/17 ADDED UTILITIES
DRAWN SRK	REVISED 5/24/18 ADDED TH #2, 62A
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
Chicago, Illinois
SHEET 3 OF 27 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	213
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No. P-91-259-12	Contract No. N/A



NOTE:
 THE CITY OF CHICAGO LINES (OTHER THAN THE WATER LINES), ARE MULTI-DUCT SYSTEMS, AND MAY CONTAIN ELECTRIC, TRAFFIC SIGNAL, CPS FIBER OPTICS, OEMC FIBER OPTICS, OTHER CITY COMMUNICATION LINES, AND OCCASIONALLY 3RD PARTY LINES. CARDNO HAS NOT ATTEMPTED TO DETERMINE THE NUMBER, SIZE, CONFIGURATION, OR OWNERSHIP OF THESE DUCT SYSTEMS, SUCH DETERMINATION SHOULD BE MADE BY OTHERS DURING THE UTILITY COORDINATION PROCESS.

CHANGES TO UTILITIES OUTSIDE THE LIMITS OF THIS INVESTIGATION AREA MAY HAVE BEEN MADE AFTER OUR PREVIOUS INVESTIGATION AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPGRADING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

	AERIAL
	UNKNOWN
	CABLE TV
	TELEPHONE
	GAS
	ELECTRIC
	TRAFFIC SIGNAL/LIGHTING
	WATER
	SANITARY SEWER
	FIBER OPTIC
	TBE TEST HOLE
	END OF INFORMATION

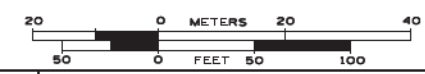
UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = FIBER OPTIC	
CITY OF CHICAGO WATER = WATER	
COMCAST = CABLE TV	
COM-ED = ELECTRIC	
CROWN CASTLE = FIBER OPTIC	
CTA = ELECTRIC	
IDOT = ELECTRIC	
IDOT ITS = FIBER OPTIC	
LEVEL 3 = FIBER OPTIC	
PEOPLE'S GAS = GAS	

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 2/22/18 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 121 AIRPORT DRIVE, SUITE 1, BLOOMINGTON, ILLINOIS 60010
 (815) 744-3720 clausse@cwawhite.com

Dynasty Group
 Engineers & Surveyors
 CARDNO Job No. IL09510531, 563, 647, 737, 758
 SUE Plan Page: 3A of 12

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

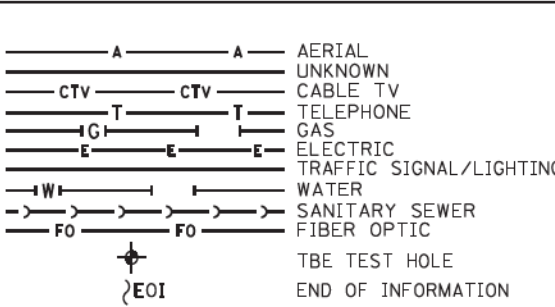
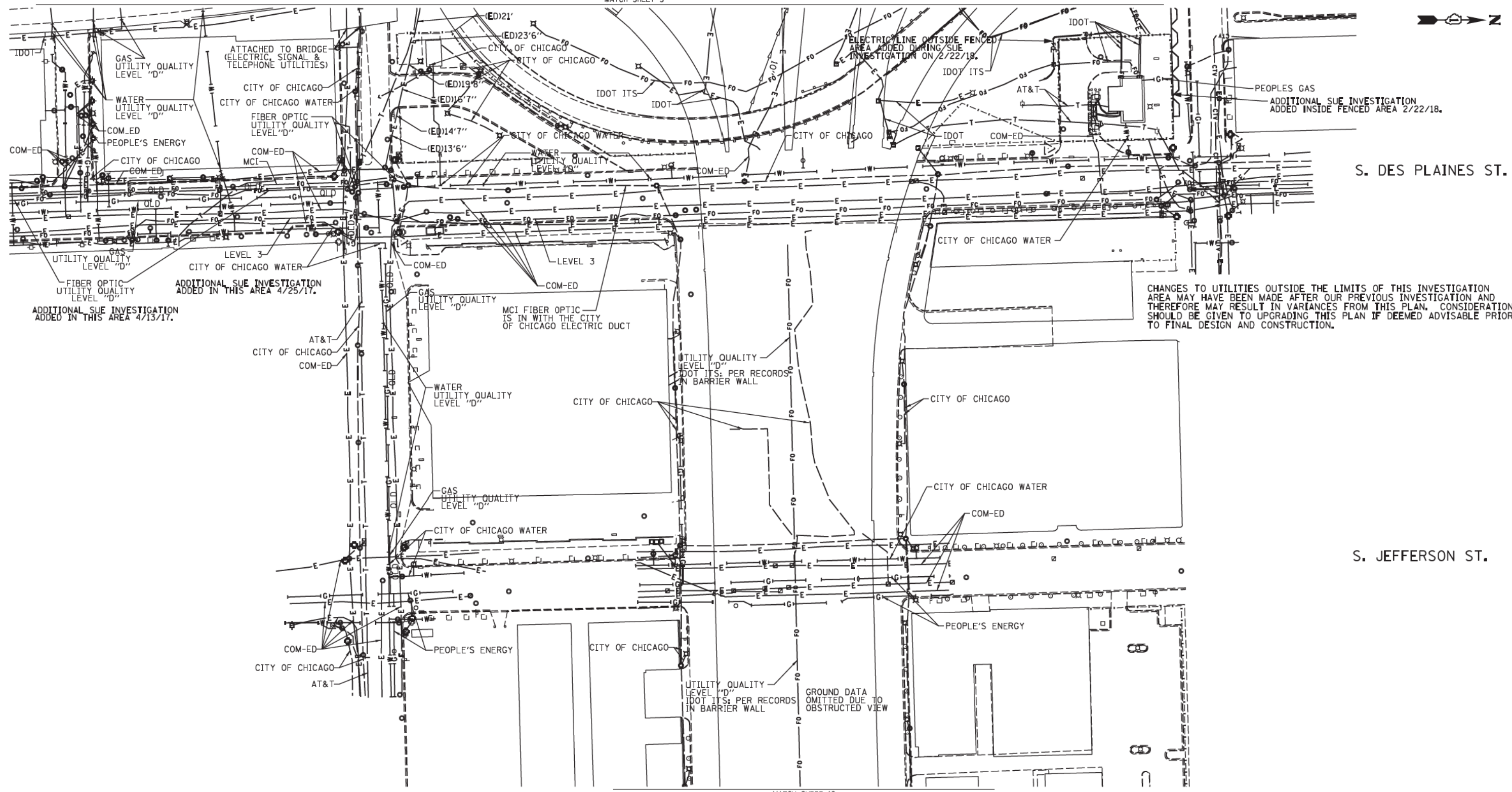
DESIGNED IP/ER/LP	REVISED 12/20/16
DRAWN SRK/KLC	REVISED 2/23/18
CHECKED MGR/KFS	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
Chicago, Illinois

SHEET 4 OF 27 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	214
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No. P-91-259-12				



UTILITY OWNERS

AT&T = TELEPHONE
 COM-ED = ELECTRIC
 CITY OF CHICAGO = ELECTRIC
 CITY OF CHICAGO = SANITARY SEWER
 CITY OF CHICAGO WATER = WATER
 IDOT = ELECTRIC
 IDOT SURVEILLANCE = FIBER OPTIC
 LEVEL 3 = FIBER OPTIC
 MCI = FIBER OPTIC
 PEOPLE'S ENERGY = GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

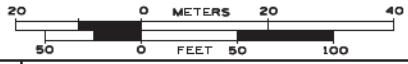
UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/27/17 THROUGH 4/07/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 4/25/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 2/22/18 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 121 AIRPORT DRIVE, SUITE 1, BLOOMINGTON, ILLINOIS 60431
 (815) 744-3720 claussewh@ccwassoc.com

Dynasty Group
 Engineers & Surveyors
 CARDNO Job No. IL09510531, 563, 647, 737, 758
 SUE Plan Page: 4 of 12

Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

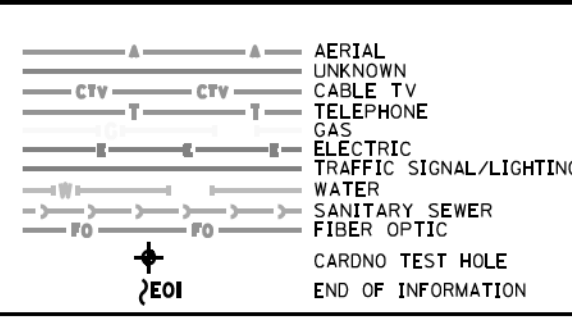
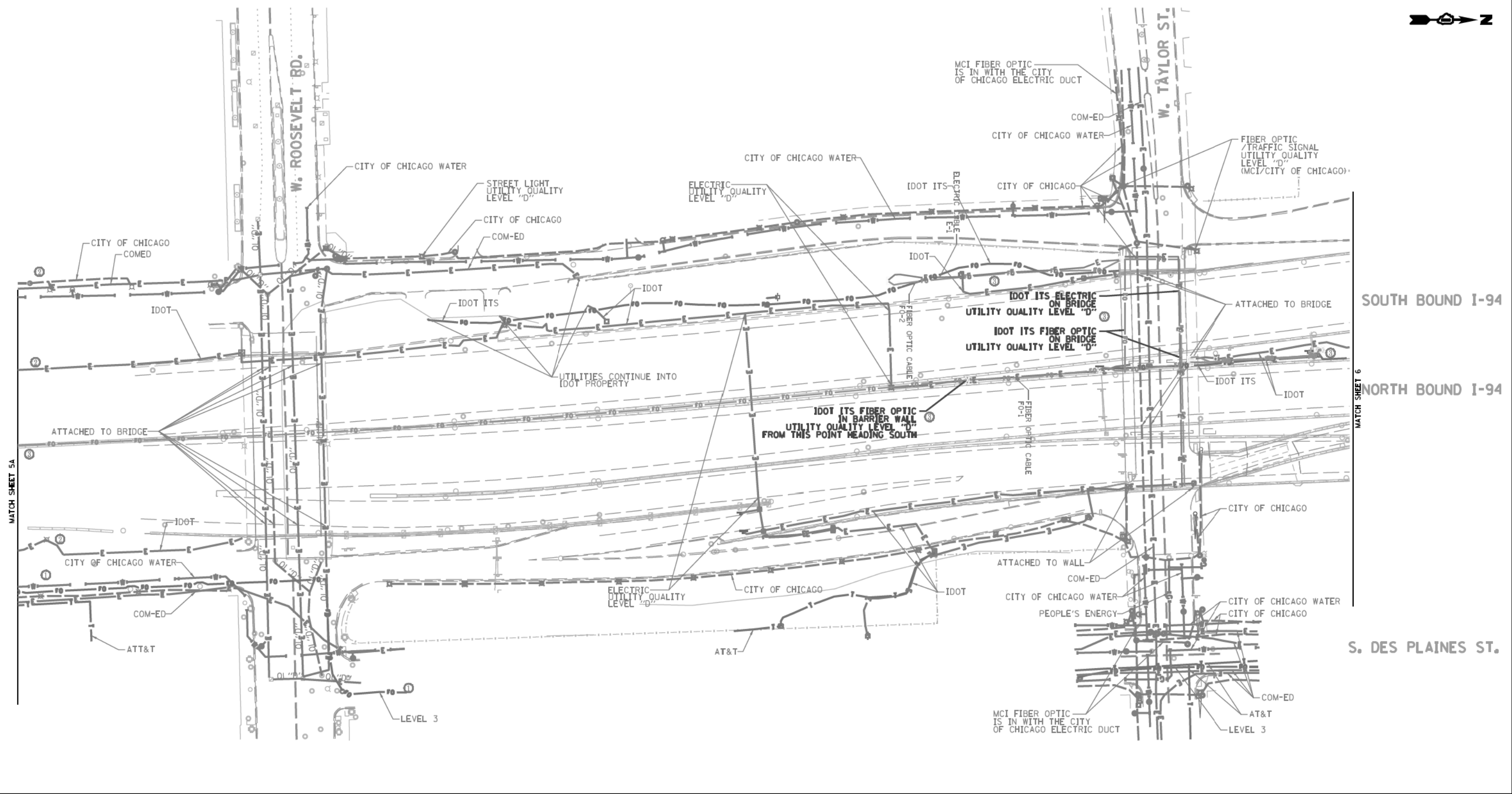
DESIGNED	IP/FR/LP	REVISED	4/13/17
DRAWN	SRK/KLC	REVISED	5/1/17
CHECKED	MGR/KFS	REVISED	2/23/18
DATE	12/18/15	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
Chicago, Illinois

SHEET 5 OF 27 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	215
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No. P-91-259-12				



UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC
LEVEL 3	= FIBER OPTIC
MCI	= FIBER OPTIC
PEOPLE'S ENERGY	= GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A COMED CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS, AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

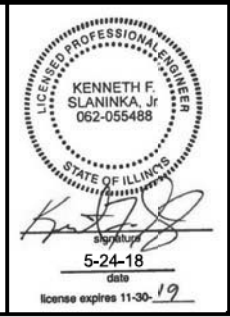
ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/06/17 THROUGH 3/08/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 5/11/18 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

CHANGES TO UTILITIES OUTSIDE THE LIMITS OF THIS INVESTIGATION AREA MAY HAVE BEEN MADE AFTER OUR PREVIOUS INVESTIGATION AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Cardno
Engineers & Surveyors

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRING, UNIT 1, GLEET, ILLINOIS 60431
(815) 744-3720 clausse@cwacsurvey.com

Dynasty Group
Engineers & Surveyors

CARDNO Job No. 109510531, 563, 647, 737, 758, 761, 764
SUE Plan Pages 5 of 12

Utility Quality Level "A": Visually Verified Test Hole	DESIGNED JP	REVISED 12/20/16
Utility Quality Level "B": Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED 3/13/17
Utility Quality Level "C": Research with Survey	CHECKED MGR	REVISED 5/24/14 UPDATED UTILITIES
Utility Quality Level "D": Records Research	DATE 12/18/15	REVISED

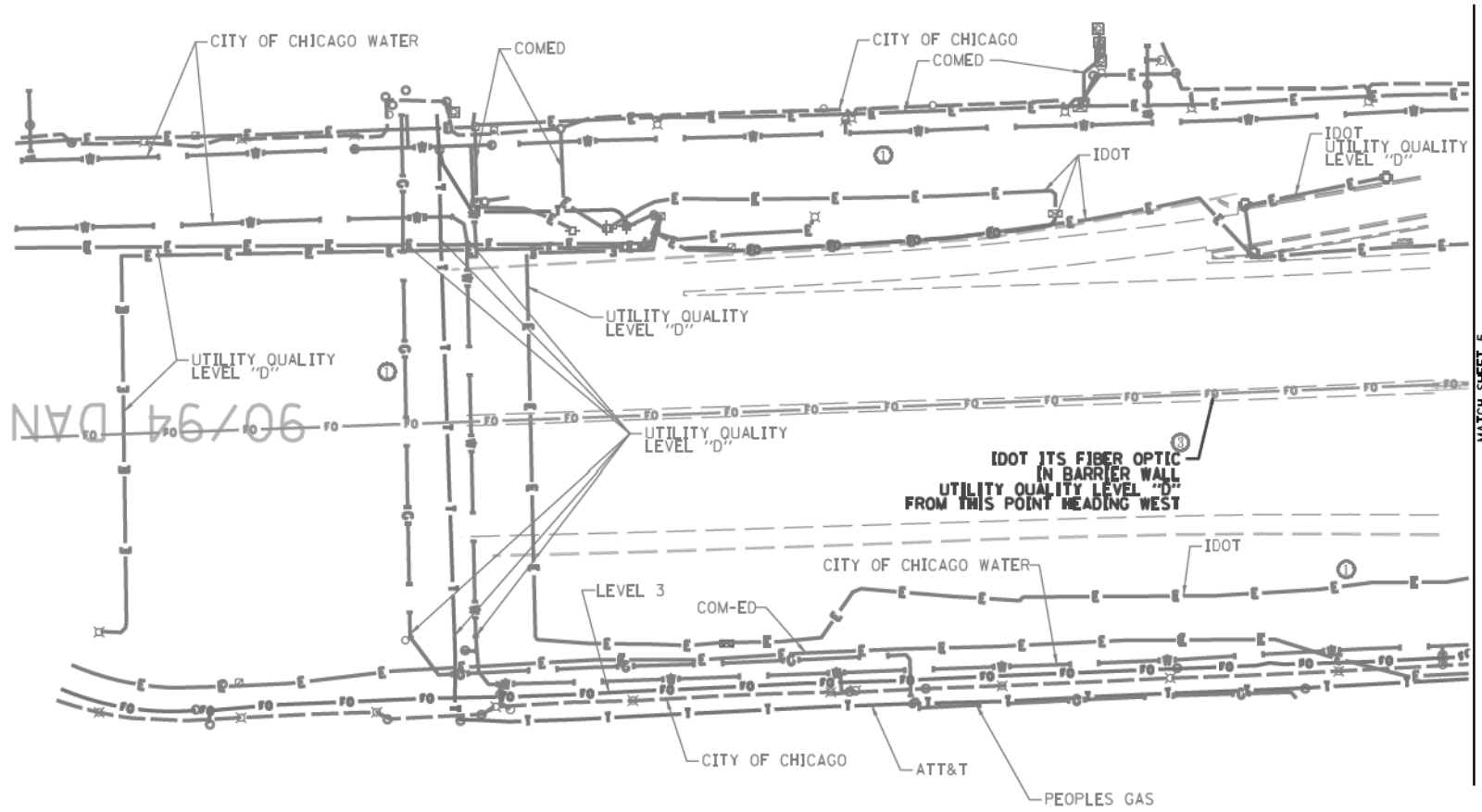
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
I-94-901-290 (Circle Interchange)		
Chicago, Illinois		
SHEET 6 OF 27 SHEETS		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	216
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No. P-91-259-12				

20 0 METERS 20 40	
50 0 FEET 50 100	



90/94 DAN RYAN EXPRESSWAY



MATCH SHEET 5

	A	AERIAL
	UNKNOWN	UNKNOWN
	CTV	CABLE TV
	T	TELEPHONE
	G	GAS
	E	ELECTRIC
	TS	TRAFFIC SIGNAL/LIGHTING
	W	WATER
	SS	SANITARY SEWER
	FO	FIBER OPTIC
	EOI	CARDNO TEST HOLE
	EOI	END OF INFORMATION

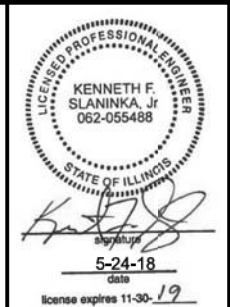
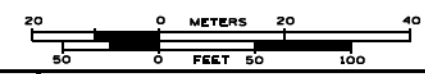
UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
	= GAS
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC
LEVEL 3	= FIBER OPTIC
PEOPLE'S ENERGY	= GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/06/17 THROUGH 3/08/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES. ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 5/11/18 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

CHANGES TO UTILITIES OUTSIDE THE LIMITS OF THIS INVESTIGATION AREA MAY HAVE BEEN MADE AFTER OUR PREVIOUS INVESTIGATION AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, SUITE 1, GLEBE, ILLINOIS 60431
(815) 744-3720 clausse@cwacsurvey.com

CARDNO Job No. IL09510531, 563, 647, 737, 758, 761, 764
SUE Plan Pages 5A of 12

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED JP	REVISED 3/13/17
DRAWN SRK	REVISED 5/24/14 UPDATED UTILITIES
CHECKED MGR	REVISED
DATE 12/20/16	REVISED

DESIGNED JP	REVISED 3/13/17
DRAWN SRK	REVISED 5/24/14 UPDATED UTILITIES
CHECKED MGR	REVISED
DATE 12/20/16	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-94-901-290 (Circle Interchange)
Chicago, Illinois**

SHEET 7 OF 27 SHEETS

F.A. RTG	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	217
FED. ROAD DIST. NO. ILLINOIS			IDOT Project No. P-91-259-12	



ELECTRIC MANHOLE NOT SURVEYED - SHOWN UTILITY QUALITY LEVEL 'D'

ADDITIONAL SUE INVESTIGATION ADDED IN THIS AREA 12/20/16.

ADDITIONAL SUE INVESTIGATION ADDED IN THIS AREA 2/07/17.

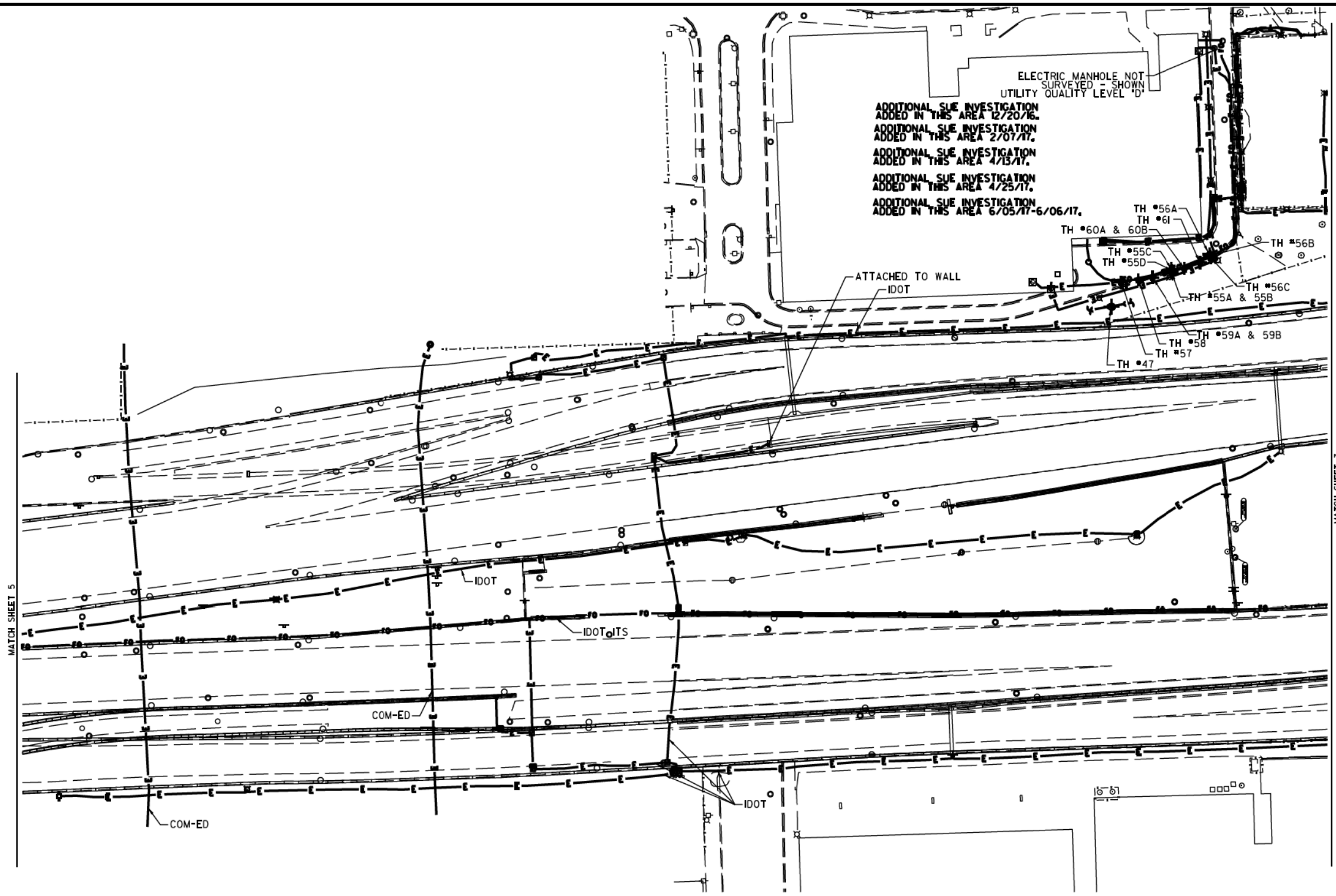
ADDITIONAL SUE INVESTIGATION ADDED IN THIS AREA 4/13/17.

ADDITIONAL SUE INVESTIGATION ADDED IN THIS AREA 4/25/17.

ADDITIONAL SUE INVESTIGATION ADDED IN THIS AREA 6/05/17-6/06/17.

TH #56A
TH #61
TH #60A & 60B
TH #55C
TH #55D
TH #56B
TH #56C
TH #55A & 55B
TH #58
TH #59A & 59B
TH #57
TH #47

ATTACHED TO WALL
IDOT



SOUTH BOUND I-94

NORTH BOUND I-94

MATCH SHEET 5

MATCH SHEET 3

	AERIAL
	UNKNOWN
	CABLE TV
	TELEPHONE
	GAS
	ELECTRIC
	TRAFFIC SIGNAL/LIGHTING
	WATER
	SANITARY SEWER
	FIBER OPTIC
	CARDNO TEST HOLE
	END OF INFORMATION

UTILITY OWNERS	
COM-ED	= ELECTRIC
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 1/24/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/27/17 THROUGH 4/07/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 4/25/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/5/17-6/6/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

6-08-17

license exp 12-30-17

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
33 AIRPORT DRIVE, SUITE 1, JOLIET, ILLINOIS 60433
(815) 744-3720 claussewhit@cwasurevey.com

Engineers & Surveyors

CARDNO Job No. IL0990531 563, 647, 737, 748
SUE Plan Page 6 of 12

Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

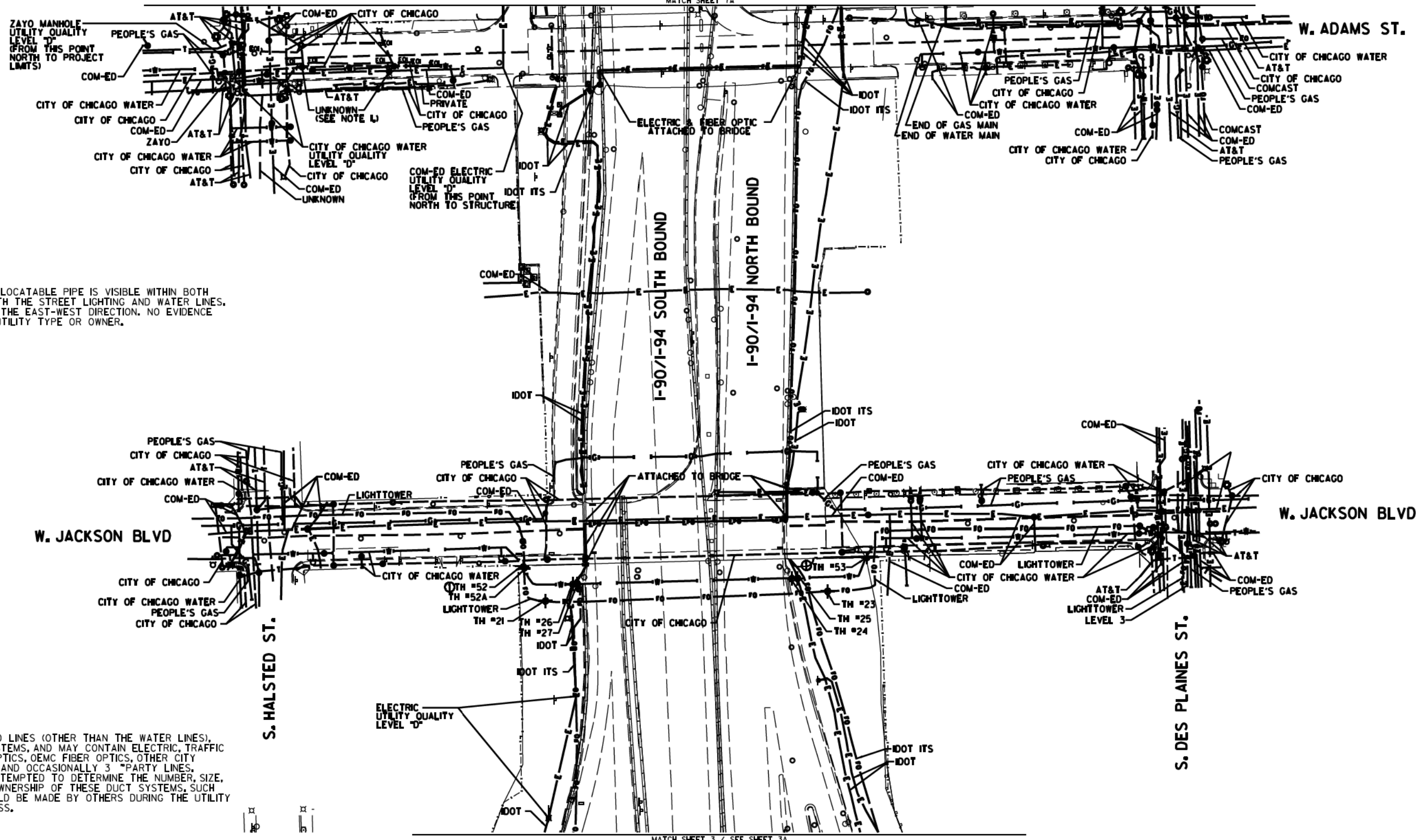
DESIGNED JP	REVISED 12/20/16 ADDED UTILITIES	REVISED 6/08/17 ADDED TH#57-61
DRAWN SRK	REVISED 2/01/17 ADDED UTILITIES	
CHECKED	REVISED 4/13/17 ADJUSTED UTILITIES	
DATE	REVISED 5/1/17 ADDED TH#55A-56C	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
Chicago, Illinois

SHEET 8 OF 27 SHEETS

F.A. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	218
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-12				

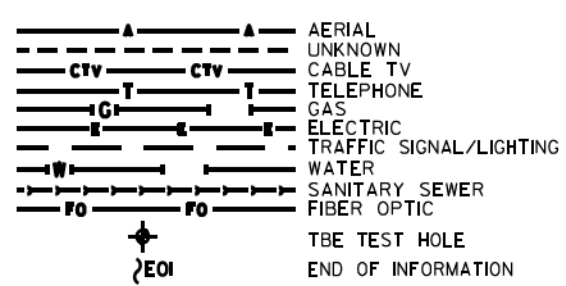


NOTE 1:
 AN UNKNOWN AND UNLOCATABLE PIPE IS VISIBLE WITHIN BOTH MANHOLES ALONG WITH THE STREET LIGHTING AND WATER LINES. PIPE IS ORIENTED IN THE EAST-WEST DIRECTION. NO EVIDENCE WAS AVAILABLE OF UTILITY TYPE OR OWNER.

NOTE:
 THE CITY OF CHICAGO LINES (OTHER THAN THE WATER LINES), ARE MULTI-DUCT SYSTEMS, AND MAY CONTAIN ELECTRIC, TRAFFIC SIGNAL, CPS FIBER OPTICS, OEMC FIBER OPTICS, OTHER CITY COMMUNICATION LINES, AND OCCASIONALLY 3 PARTY LINES. CARDNO HAS NOT ATTEMPTED TO DETERMINE THE NUMBER, SIZE, CONFIGURATION, OR OWNERSHIP OF THESE DUCT SYSTEMS. SUCH DETERMINATION SHOULD BE MADE BY OTHERS DURING THE UTILITY COORDINATION PROCESS.

MATCH SHEET 7A

MATCH SHEET 3 / SEE SHEET 3A

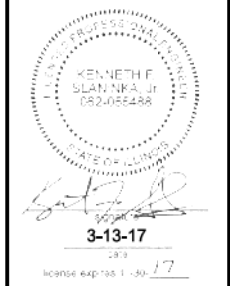
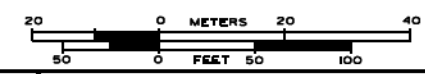


UTILITY OWNERS	
AT&T	= TELEPHONE
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO	= FIBER OPTIC
CITY OF CHICAGO WATER	= WATER
COM-ED	= ELECTRIC
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC
LEVEL 3	= FIBER OPTIC
LIGHTTOWER	= FIBER OPTIC
PEOPLE'S GAS	= GAS
ZAYO	= FIBER OPTIC

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 12/10/16 THROUGH 3/03/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES. TEST HOLES #52-53 ADDED.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Cardno TBE

CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 4300 W. 117TH ST., SUITE 100, BLUE MOUNTAIN, ILLINOIS 60413
 (815) 744-3720 clausenwhite@csurvey.com

Dynasty Group
 Engineers & Surveyors

TBE Job No. IL095053A 563, 647, 737
 SUE Plan Pages 1 of 12

Utility Quality Level "A": Visually Verified Test Hole	DESIGNED JP	REVISED 3/07/17
Utility Quality Level "B": Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED
Utility Quality Level "C": Research with Survey	CHECKED MGR	REVISED
Utility Quality Level "D": Records Research	DATE 12/18/15	REVISED

DESIGNED JP	REVISED 3/07/17
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

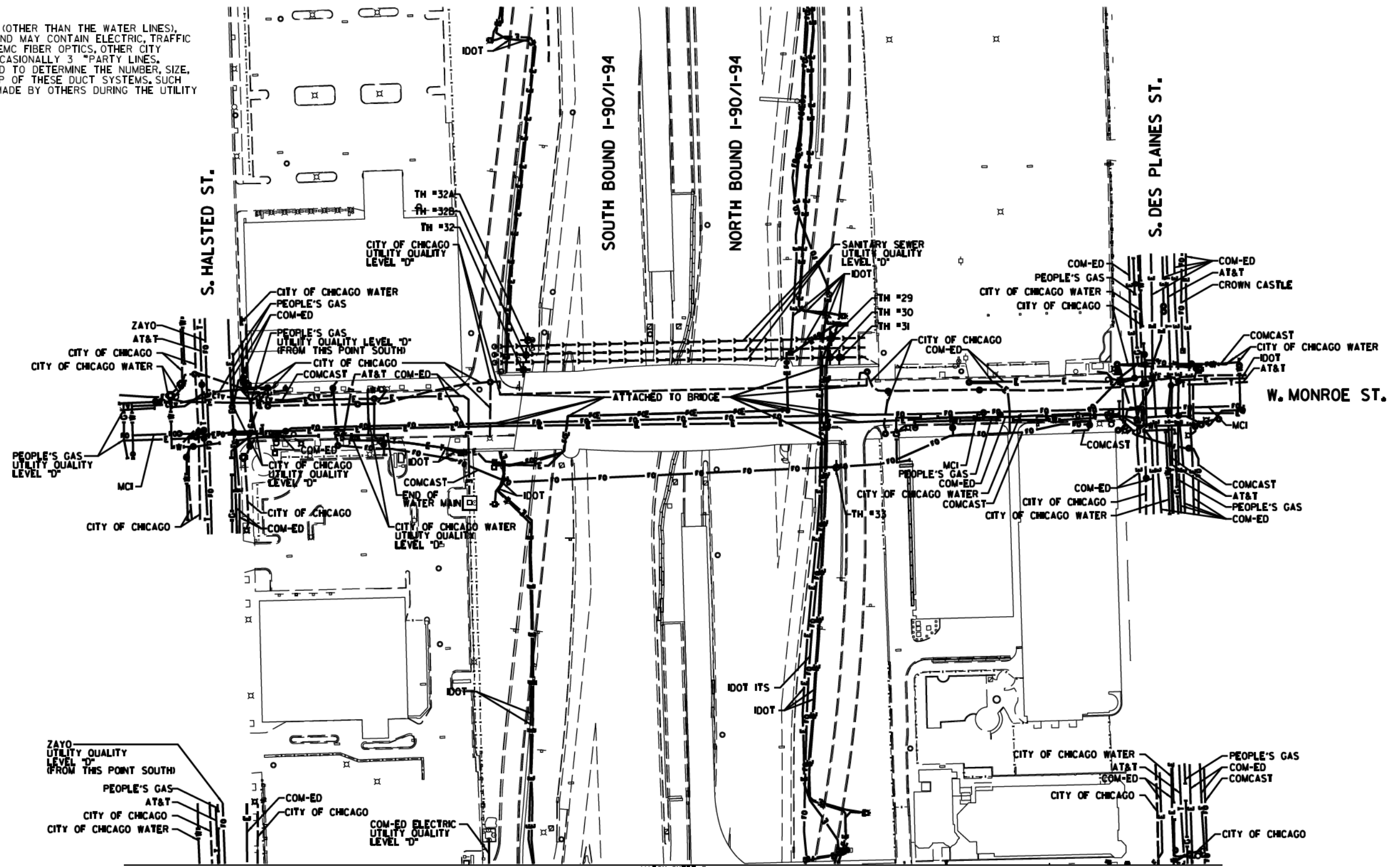
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
 Chicago, Illinois

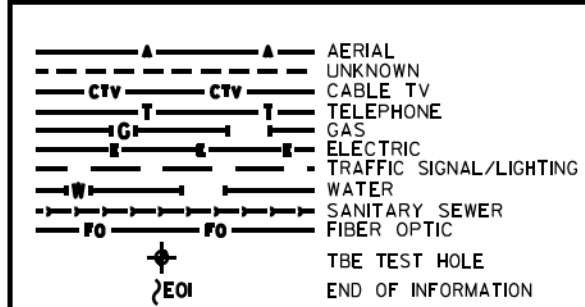
SHEET 9 OF 27 SHEETS

F.A. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	219
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-R				

NOTE:
 THE CITY OF CHICAGO LINES (OTHER THAN THE WATER LINES),
 ARE MULTI-DUCT SYSTEMS, AND MAY CONTAIN ELECTRIC, TRAFFIC
 SIGNAL, CPS FIBER OPTICS, OEMC FIBER OPTICS, OTHER CITY
 COMMUNICATION LINES, AND OCCASIONALLY 3 PARTY LINES.
 CARDNO HAS NOT ATTEMPTED TO DETERMINE THE NUMBER, SIZE,
 CONFIGURATION, OR OWNERSHIP OF THESE DUCT SYSTEMS. SUCH
 DETERMINATION SHOULD BE MADE BY OTHERS DURING THE UTILITY
 COORDINATION PROCESS.



MATCH SHEET 7



UTILITY OWNERS	
AT&T	= TELEPHONE
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
COMCAST	= CABLE TV
COMCAST	= FIBER OPTIC
COM-ED	= ELECTRIC
CROWN CASTLE	= FIBER OPTIC
IDOT	= ELECTRIC
IDOT ITS	= FIBER OPTIC
IDOT	= TELEPHONE
MCI	= FIBER OPTIC
PEOPLE'S GAS	= GAS
ZAYO	= FIBER OPTIC

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 2/09/15 THROUGH 3/18/15. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Cardno TBE

CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 4340 W. 117TH ST., SUITE 100, MARIETTA, IL 62453
 (618) 744-3720 clausenwhite@cwatbe.com

Dynasty Group
 Engineers & Surveyors

TBE Job No. IL0950531 563, 647, 737
 SUE Plan Page 7A of 12

Utility Quality Level "A": Visually Verified Test Hole	DESIGNED JP	REVISED
Utility Quality Level "B": Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED
Utility Quality Level "C": Research with Survey	CHECKED MGR	REVISED
Utility Quality Level "D": Records Research	DATE 12/18/15	REVISED

DESIGNED JP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

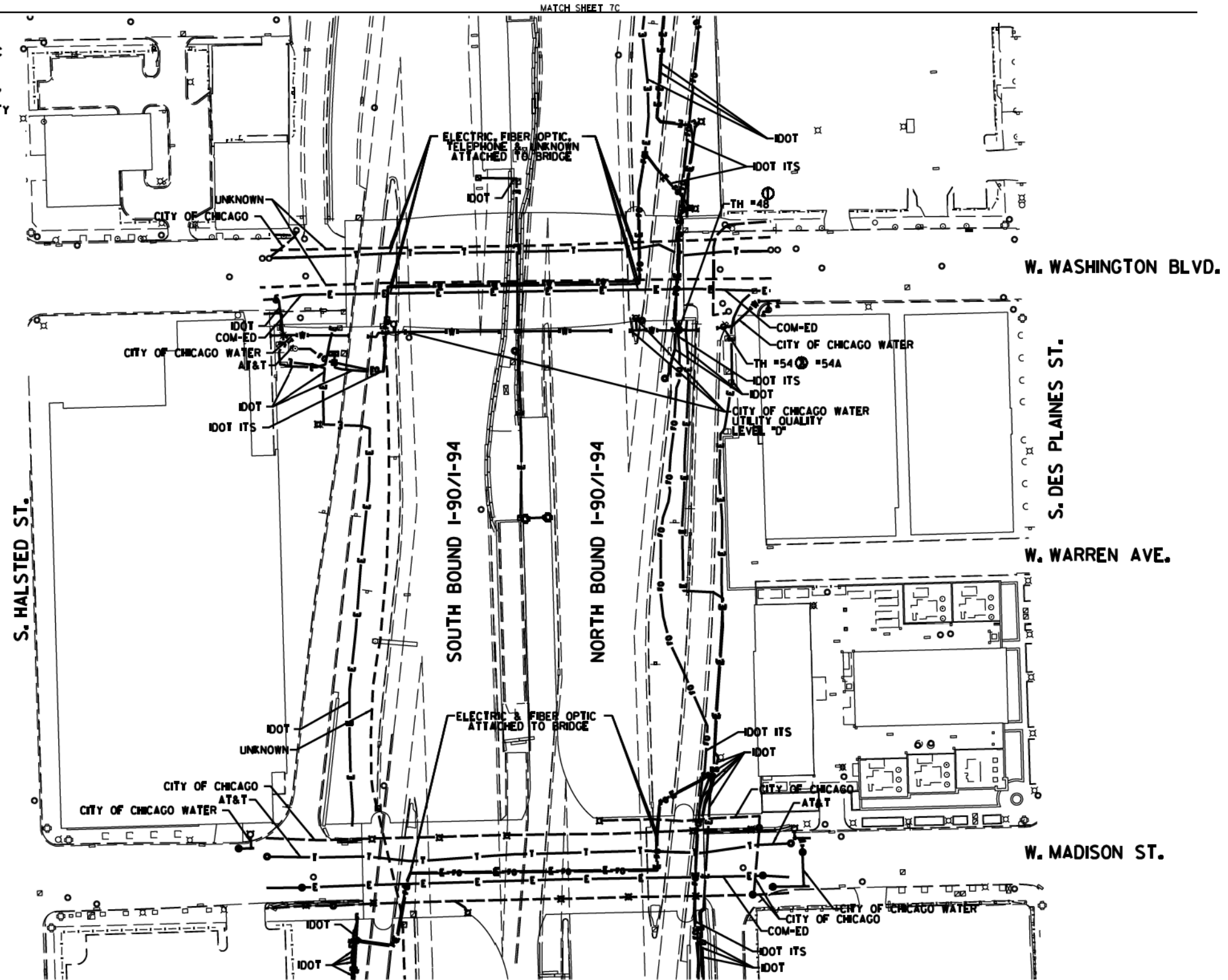
I-94-901-290 (Circle Interchange)
 Chicago, Illinois

SHEET 10 OF 27 SHEETS

F.A. RTIC	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	220
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-R				

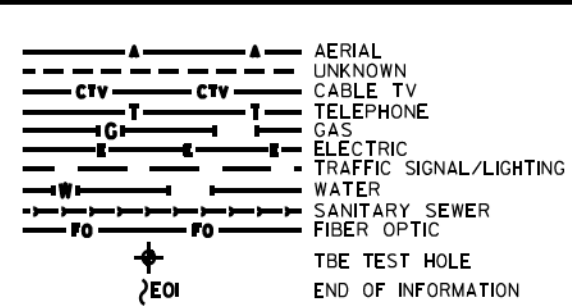
F.A. RTIC	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	220
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-R				

NOTE:
 THE CITY OF CHICAGO LINES (OTHER THAN THE WATER LINES),
 ARE MULTI-DUCT SYSTEMS, AND MAY CONTAIN ELECTRIC, TRAFFIC
 SIGNAL, CPS FIBER OPTICS, OEMC FIBER OPTICS, OTHER CITY
 COMMUNICATION LINES, AND OCCASIONALLY 3RD PARTY LINES.
 CARDNO HAS NOT ATTEMPTED TO DETERMINE THE NUMBER, SIZE,
 CONFIGURATION, OR OWNERSHIP OF THESE DUCT SYSTEMS. SUCH
 DETERMINATION SHOULD BE MADE BY OTHERS DURING THE UTILITY
 COORDINATION PROCESS.



MATCH SHEET 7C

MATCH SHEET 7A

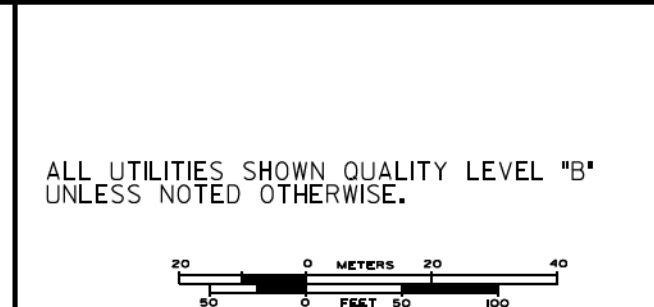


UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 2/09/15 THROUGH 3/18/15. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 1/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 12/10/16 THROUGH 3/03/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES. TEST HOLE #54 ADDED.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 13100 S. JOLIET BLVD., SUITE 6013
 JOLIET, ILLINOIS 61731
 (815) 744-3720 clausse@cwawhite.com



DESIGNED JP	REVISED 1 12/20/16
DRAWN SRK	REVISED 2 3/07/17
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

DESIGNED JP	REVISED 1 12/20/16
DRAWN SRK	REVISED 2 3/07/17
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

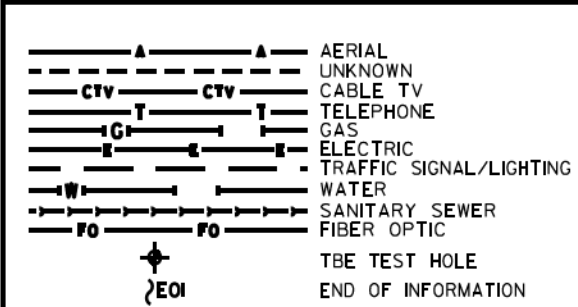
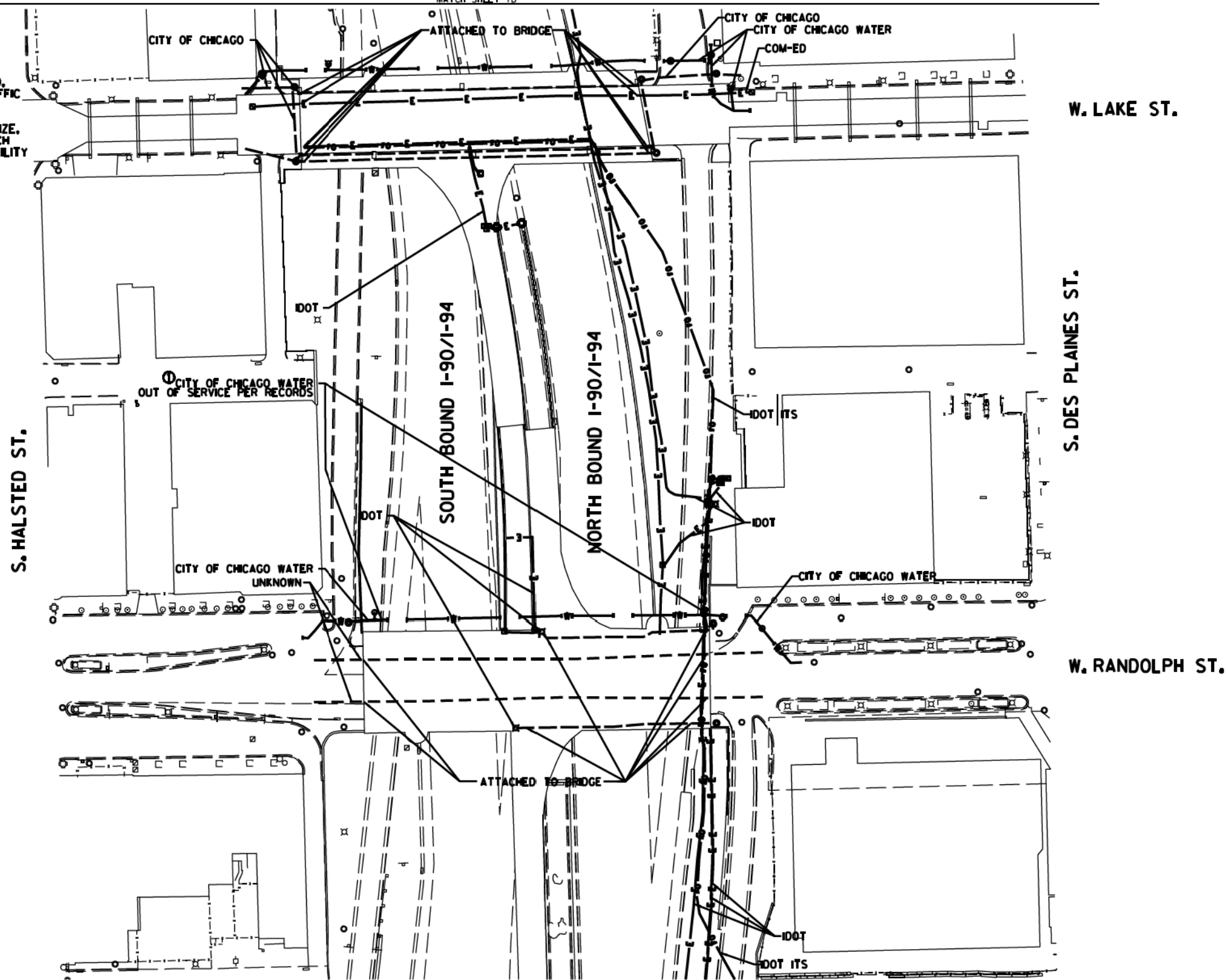
I-94-901-290 (Circle Interchange)
 Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	221

Contract No. N/A	
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-12	



NOTE:
 THE CITY OF CHICAGO LINES (OTHER THAN THE WATER LINES), ARE MULTI-DUCT SYSTEMS, AND MAY CONTAIN ELECTRIC, TRAFFIC SIGNAL, CPS FIBER OPTICS, OEMC FIBER OPTICS, OTHER CITY COMMUNICATION LINES, AND OCCASIONALLY 3 PARTY LINES. CARDNO HAS NOT ATTEMPTED TO DETERMINE THE NUMBER, SIZE, CONFIGURATION, OR OWNERSHIP OF THESE DUCT SYSTEMS. SUCH DETERMINATION SHOULD BE MADE BY OTHERS DURING THE UTILITY COORDINATION PROCESS.

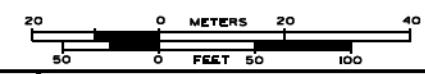


UTILITY OWNERS
 CITY OF CHICAGO = ELECTRIC
 CITY OF CHICAGO WATER = WATER
 COM-ED = ELECTRIC
 IDOT = ELECTRIC
 IDOT ITS = FIBER OPTIC
 UNKNOWN = UNKNOWN

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 2/09/15 THROUGH 3/18/15. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 1300 WEST 117TH STREET, SUITE 200
 CHICAGO, ILLINOIS 60643
 (815) 744-3720 claussewh@cwawh.com



TBE Job No. L0990531 563, 647, 737
 SUE Plan Page 7C of 12

Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

DESIGNED JP	REVISED 12/20/16
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

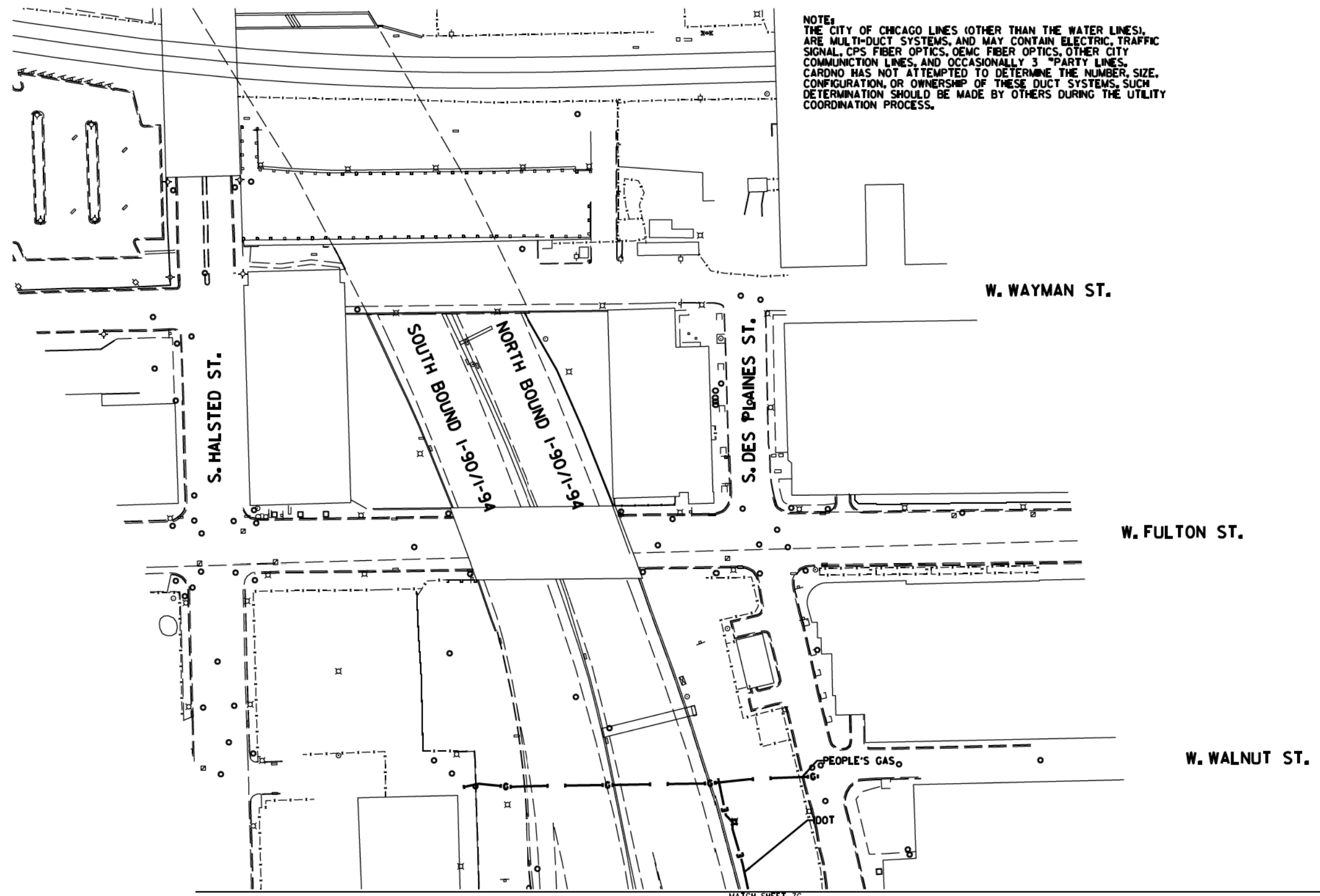
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
 Chicago, Illinois
 SHEET 12 OF 27 SHEETS

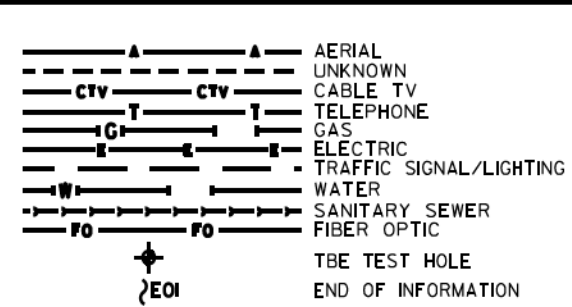
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	222
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS IDOT Project No. P-9-259-12				



NOTE:
 THE CITY OF CHICAGO LINES (OTHER THAN THE WATER LINES),
 ARE MULTI-DUCT SYSTEMS, AND MAY CONTAIN ELECTRIC, TRAFFIC
 SIGNAL, CPS FIBER OPTICS, OEMC FIBER OPTICS, OTHER CITY
 COMMUNICATION LINES, AND OCCASIONALLY 3RD PARTY LINES.
 CARDNO HAS NOT ATTEMPTED TO DETERMINE THE NUMBER, SIZE,
 CONFIGURATION, OR OWNERSHIP OF THESE DUCT SYSTEMS. SUCH
 DETERMINATION SHOULD BE MADE BY OTHERS DURING THE UTILITY
 COORDINATION PROCESS.



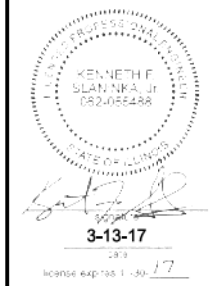
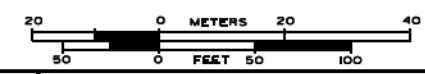
MATCH SHEET 7C



UTILITY OWNERS
 IDOT = ELECTRIC
 PEOPLE'S GAS = GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 2/09/15 THROUGH 3/18/15. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B"
 UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 83 AIRPORT DRIVE, SUITE 1, JOLIET, ILLINOIS 60433
 (815) 744-3720 clausse@cwawhite.com



TBE Job No. IL0990531 563, 647, 737
 SUE Plan Pages 70 of 12

Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

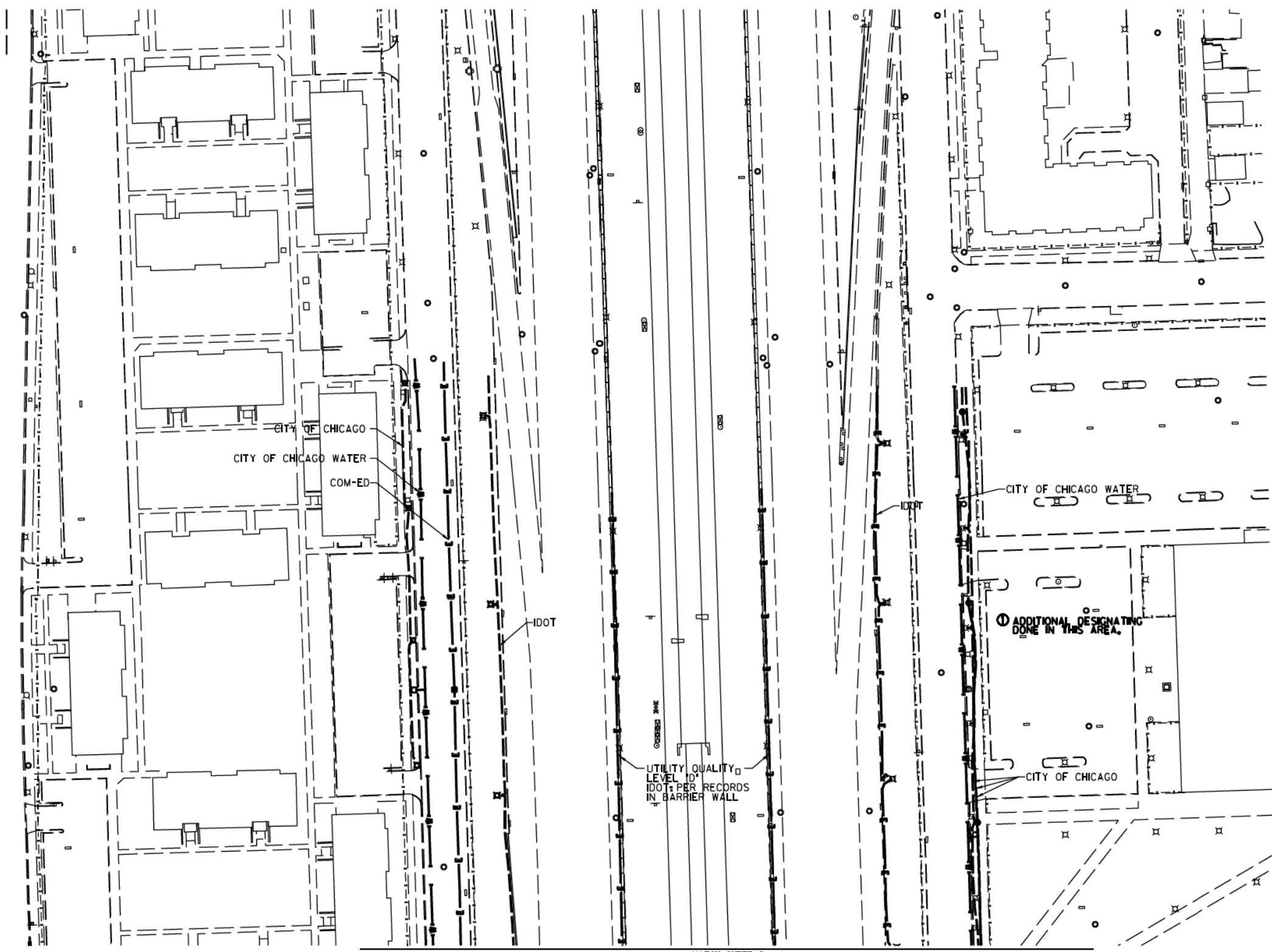
DESIGNED	JP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	12/18/15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94-I-90-290 (Circle Interchange)
 Chicago, Illinois

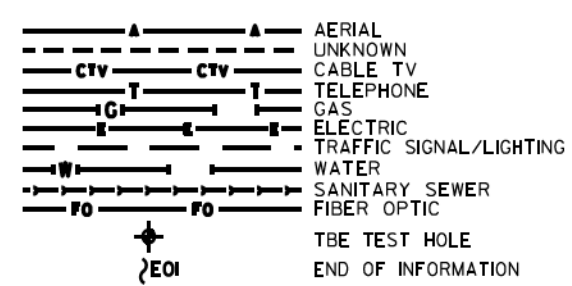
SHEET 13 OF 27 SHEETS

F.A. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	223
FED. ROAD DIST. NO.		ILLINOIS	DOT Project No. P-94-259-R	



S. LAFLIN ST.

MATCH SHEET 9

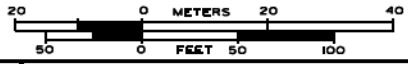


UTILITY OWNERS
 COM-ED = ELECTRIC
 CITY OF CHICAGO = ELECTRIC
 CITY OF CHICAGO WATER = WATER
 IDOT = ELECTRIC

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 12/10/16 THROUGH 3/03/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 83 AIRPORT DRIVE, SUITE 1, JOLIET, ILLINOIS 60433
 (815) 744-3720 clausse@cwatbe.com



TBE Job No. L0990531 563, 647, 737
 SUE Plan Page 8 of 12

Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

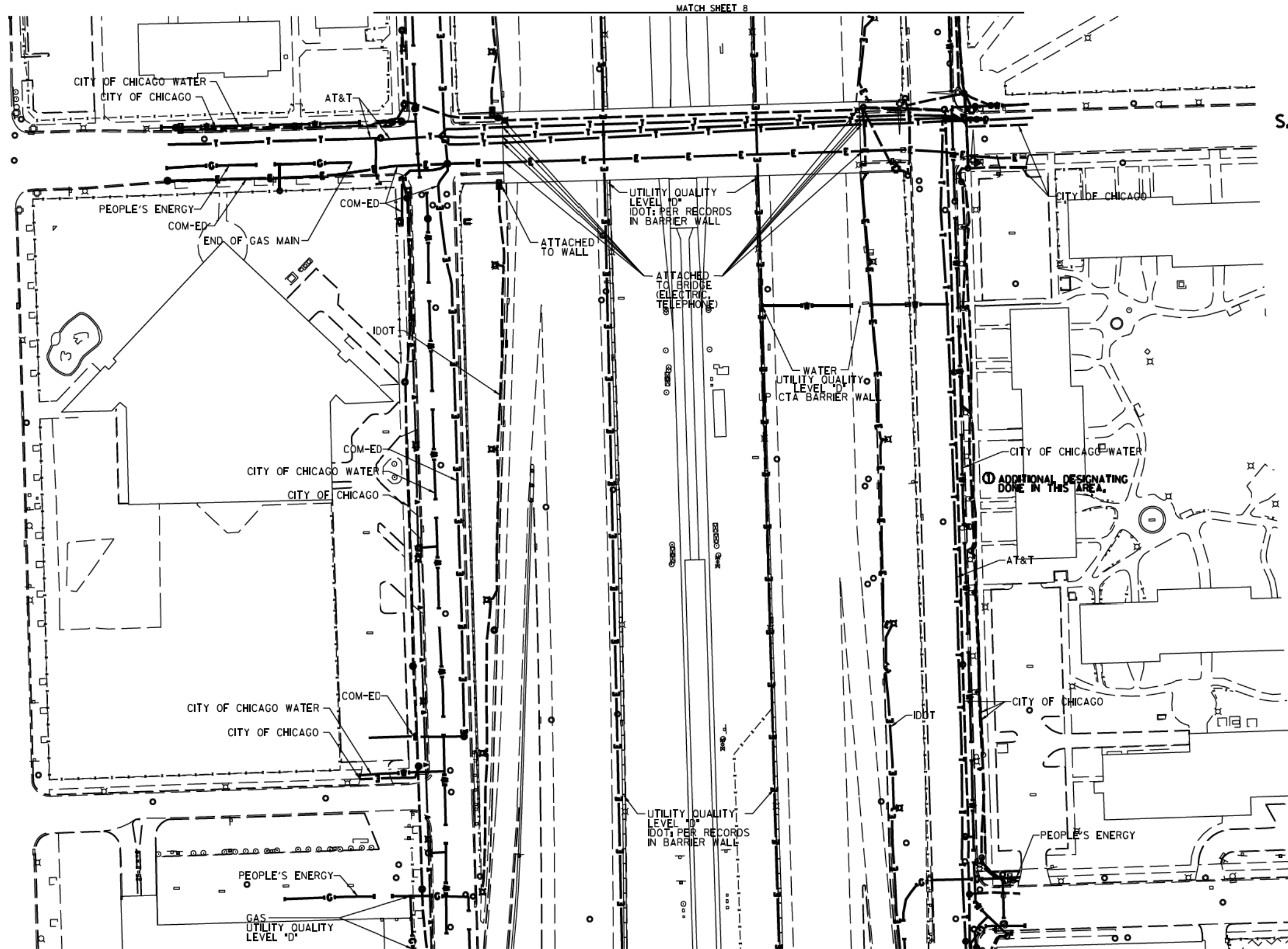
DESIGNED JP	REVISED ① 3/07/17
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
 Chicago, Illinois

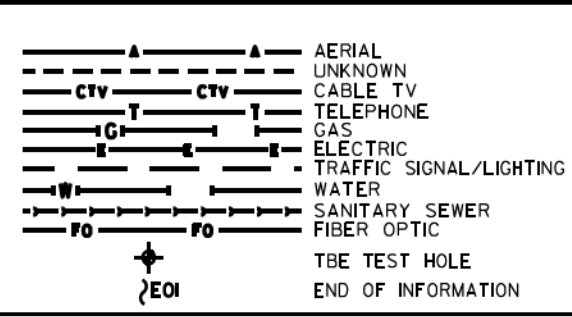
SHEET 14 OF 27 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	224
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-R				



S. LOOMIS ST.

S THROOP ST.



UTILITY OWNERS

AT&T = TELEPHONE
 COM-ED = ELECTRIC
 CITY OF CHICAGO = ELECTRIC
 CITY OF CHICAGO WATER = WATER
 IDOT = ELECTRIC
 PEOPLE'S ENERGY = GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 12/10/16 THROUGH 3/03/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

UTILITY QUALITY LEVEL "A": Visually Verified Test Hole
 UTILITY QUALITY LEVEL "B": Designating/non Visually Verified Test Hole
 UTILITY QUALITY LEVEL "C": Research with Survey
 UTILITY QUALITY LEVEL "D": Records Research

DESIGNED JP
 DRAWN SRK
 CHECKED MGR
 DATE 12/18/15

REVISED 3/07/17
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94/904-290 (Circle Interchange)
 Chicago, Illinois

SHEET 15 OF 27 SHEETS

F.A. R.T.C. SECTION COUNTY TOTAL SHEETS SHEET NO.
 N/A N/A Cook 825 225
 Contract No. N/A
 FED. ROAD DIST. NO. ILLINOIS DOT Project No. P-94-259-R

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 12/10/16 THROUGH 3/03/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

UTILITY QUALITY LEVEL "A": Visually Verified Test Hole
 UTILITY QUALITY LEVEL "B": Designating/non Visually Verified Test Hole
 UTILITY QUALITY LEVEL "C": Research with Survey
 UTILITY QUALITY LEVEL "D": Records Research

DESIGNED JP
 DRAWN SRK
 CHECKED MGR
 DATE 12/18/15

REVISED 3/07/17
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94/904-290 (Circle Interchange)
 Chicago, Illinois

SHEET 15 OF 27 SHEETS

F.A. R.T.C. SECTION COUNTY TOTAL SHEETS SHEET NO.
 N/A N/A Cook 825 225
 Contract No. N/A
 FED. ROAD DIST. NO. ILLINOIS DOT Project No. P-94-259-R

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

UTILITY QUALITY LEVEL "A": Visually Verified Test Hole
 UTILITY QUALITY LEVEL "B": Designating/non Visually Verified Test Hole
 UTILITY QUALITY LEVEL "C": Research with Survey
 UTILITY QUALITY LEVEL "D": Records Research

DESIGNED JP
 DRAWN SRK
 CHECKED MGR
 DATE 12/18/15

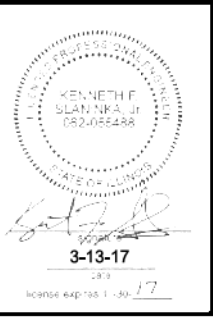
REVISED 3/07/17
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-94/904-290 (Circle Interchange)
 Chicago, Illinois

SHEET 15 OF 27 SHEETS

F.A. R.T.C. SECTION COUNTY TOTAL SHEETS SHEET NO.
 N/A N/A Cook 825 225
 Contract No. N/A
 FED. ROAD DIST. NO. ILLINOIS DOT Project No. P-94-259-R

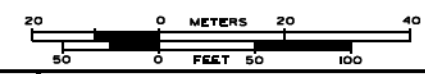


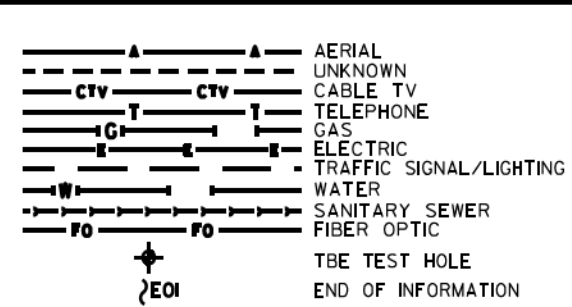
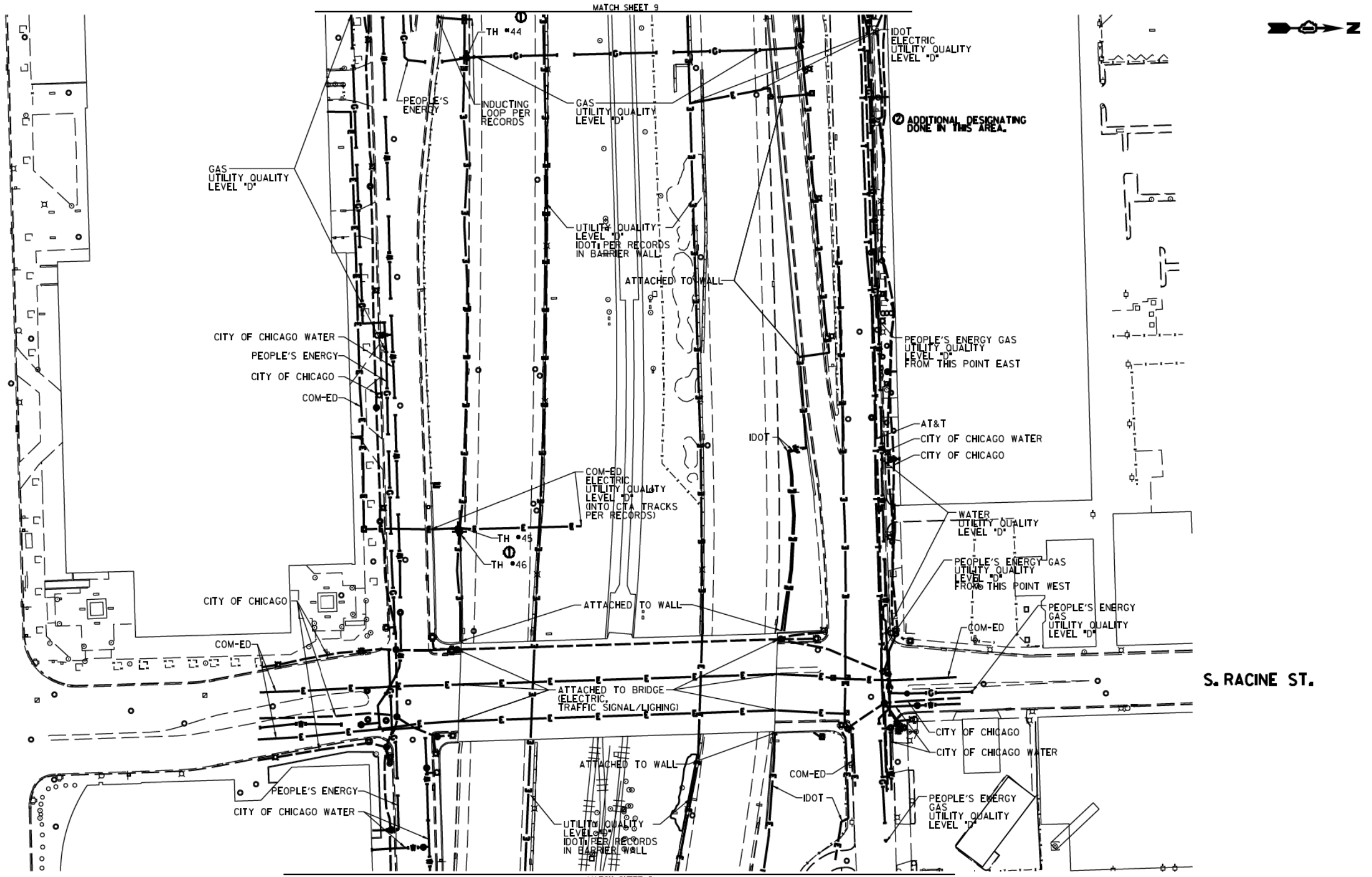
Cardno TBE

CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 11800 S. LAKE STREET, SUITE 100
 CHICAGO, ILLINOIS 60643
 (773) 744-3720 clausenwhite.com

Dynasty Group
 Engineers & Surveyors

TBE Job No. L0950531 563, 647, 737
 SUE Plan Page 9 of 12





UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
IDOT	= ELECTRIC
PEOPLE'S ENERGY	= GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 12/10/16 THROUGH 3/03/17 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Cardno TBE

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
33 AIRPORT DRIVE, SUITE 1, BLOOMINGDALE, ILLINOIS 60110
(815) 744-3720 clausse@cwawhite.com

Dynasty Group
Engineers & Surveyors

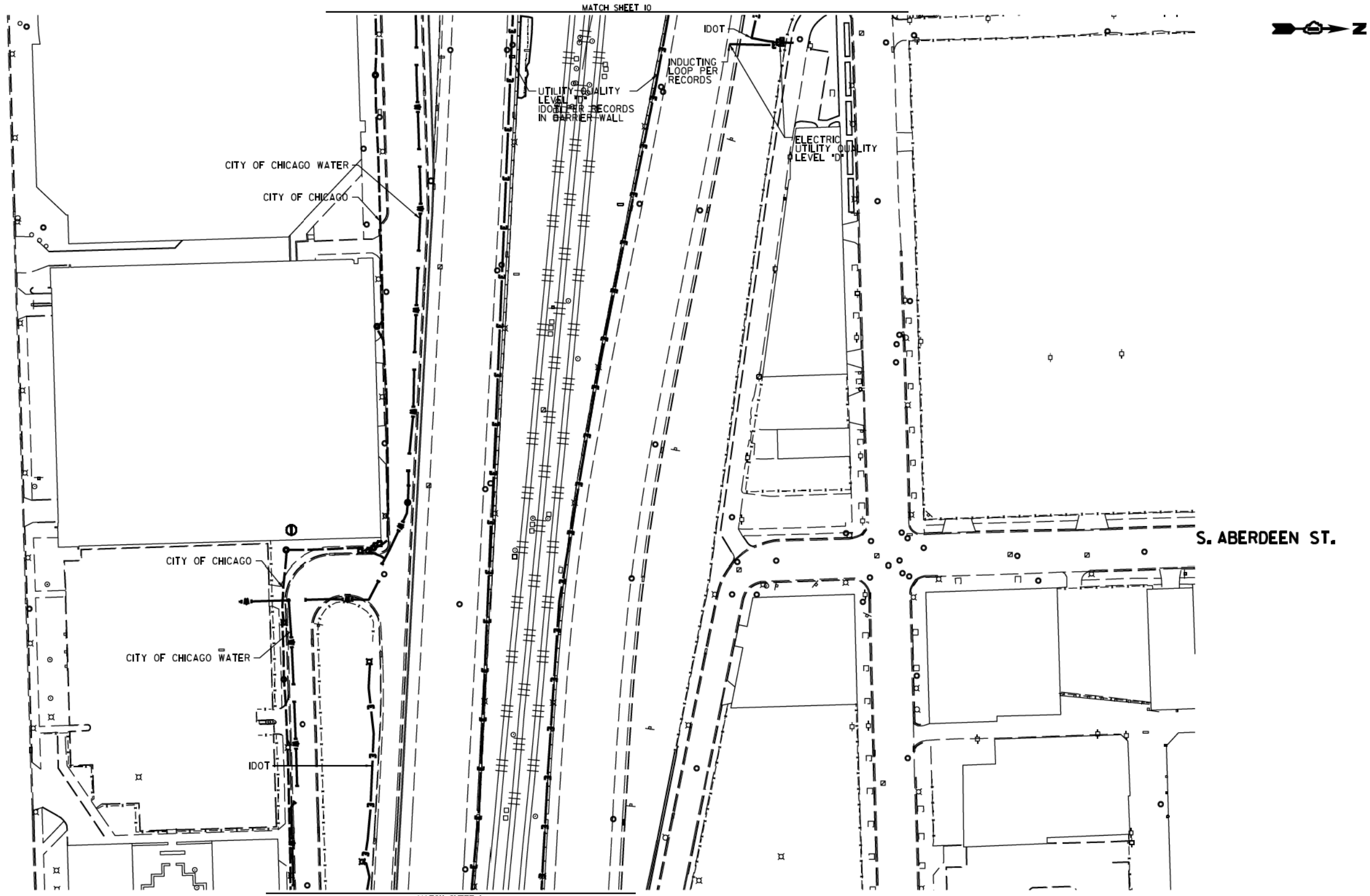
TBE Job No. IL0950531 563, 647, 737
SUE Plan Page 10 of 12

Utility Quality Level "A": Visually Verified Test Hole	DESIGNED JP	REVISED 1 12/20/16
Utility Quality Level "B": Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED 2 3/07/17
Utility Quality Level "C": Research with Survey	CHECKED MGR	REVISED
Utility Quality Level "D": Records Research	DATE 12/18/15	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
I-94/90-290 (Circle Interchange) Chicago, Illinois		
SHEET 16 OF 27 SHEETS		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	226
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-12				

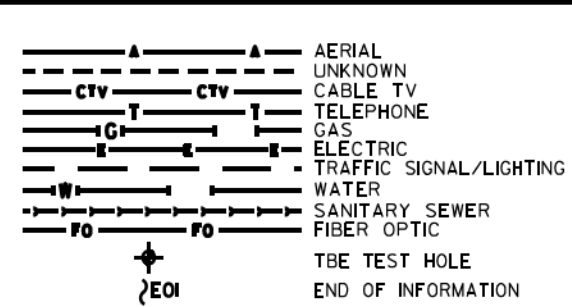
20 0 METERS 20 40 50 0 FEET 50 100	
---------------------------------------	--



MATCH SHEET 10

MATCH SHEET 1

S. ABERDEEN ST.

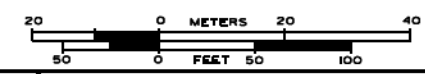


UTILITY OWNERS
 CITY OF CHICAGO = ELECTRIC
 CITY OF CHICAGO WATER = WATER
 IDOT = ELECTRIC

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 13100 W. 117TH ST., SUITE 100, OLIVE BRANCH, IL 60453
 (815) 744-3720 clausse@cwawhite.com



TBE Job No. L0990531 563, 647, 737
 SUE Plan Page 1 of 12

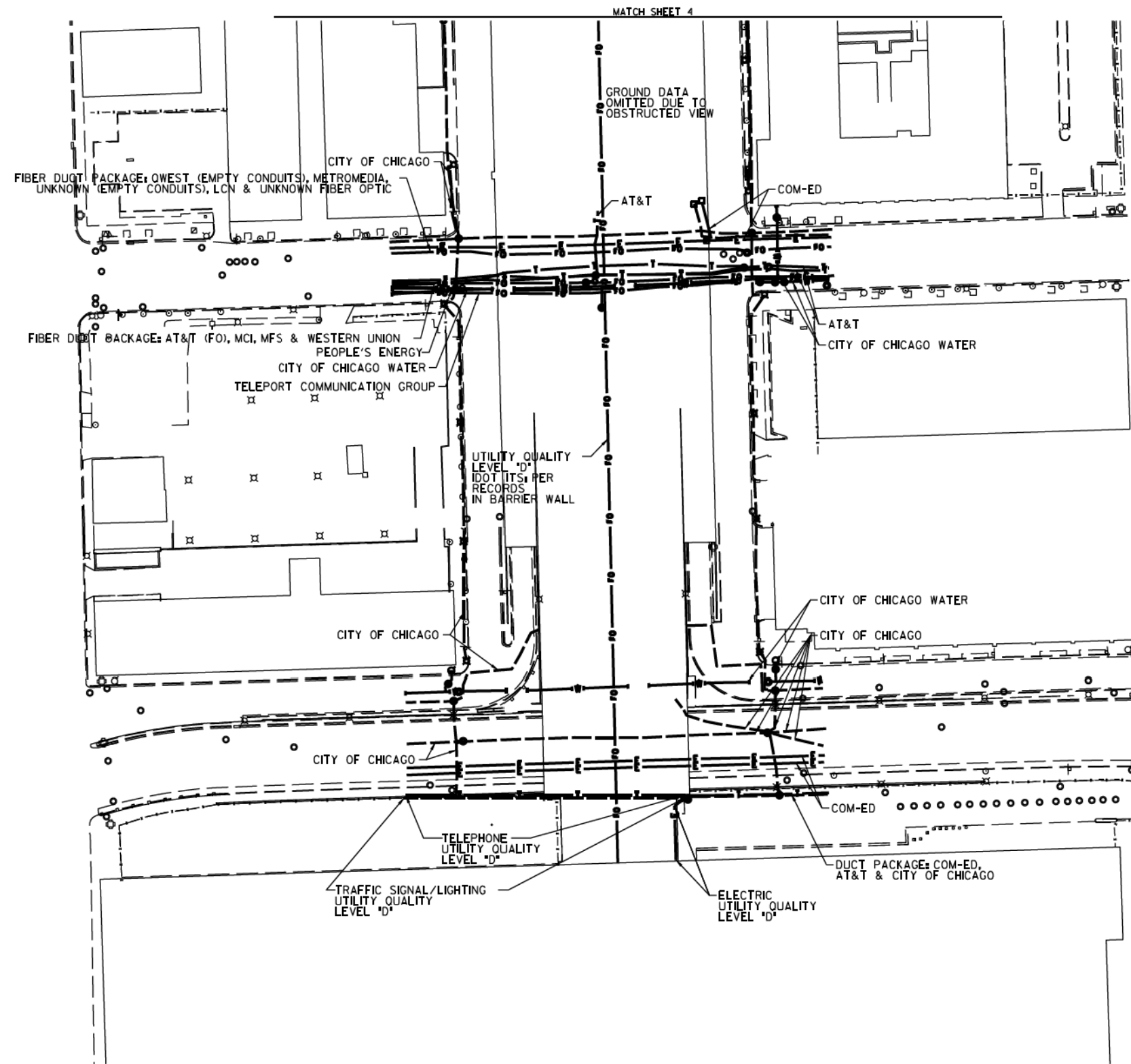
Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

DESIGNED JP	REVISED 12/20/16
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

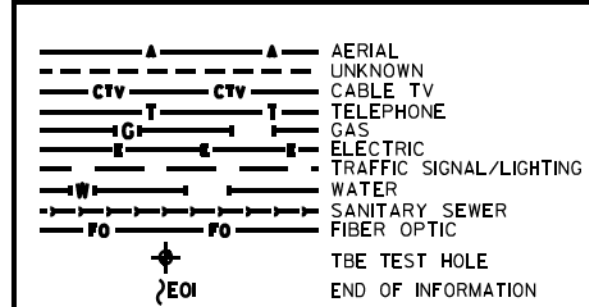
I-94-901-290 (Circle Interchange)
 Chicago, Illinois
 SHEET 17 OF 27 SHEETS

F.A. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	227
FED. ROAD DIST. NO., ILLINOIS			DOT Project No. P-94-259-12	



S. CLINTON ST.

S. CANAL ST.



UTILITY OWNERS	
AT&T = FIBER OPTIC	
AT&T = TELEPHONE	
COM-ED = ELECTRIC	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO WATER = WATER	
IDOT = ELECTRIC	
LCN = FIBER OPTIC	
MCI = FIBER OPTIC	
METROMEDIA = FIBER OPTIC	
MFS = FIBER OPTIC	
PEOPLE'S ENERGY = GAS	
TELEPORT COMM. GROUP = FIBER OPTIC	
QWEST = FIBER OPTIC	
WESTERN UNION = FIBER OPTIC	

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 7/29/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Cardno TBE

CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
3300 WEST 117TH STREET, SUITE 100
MOKENS, ILLINOIS 60459
(815) 744-3720 clausse@cwawhite.com

Dynasty Group
Engineers & Surveyors

TBE Job No. L0990531 563, 647, 737
SUE Plan Page 12 of 12

Utility Quality Level "A": Visually Verified Test Hole	DESIGNED JP	REVISED
Utility Quality Level "B": Designating/non Visually Verified Test Hole	DRAWN SRK	REVISED
Utility Quality Level "C": Research with Survey	CHECKED MGR	REVISED
Utility Quality Level "D": Records Research	DATE 12/18/15	REVISED

DESIGNED JP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 12/18/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
Chicago, Illinois

SHEET 18 OF 27 SHEETS

F.A. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	228
Contract No. N/A				
FED. ROAD DIST. NO., ILLINOIS DOT Project No. P-9-259-12				

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	SUE QUALITY LEVEL	COMMENTS
1	N/A TUNNEL	1897611.31	1171790.60	573.30'	7.17'	580.47'	A	NORTH EDGE
2	N/A TUNNEL	1897605.50	1171792.00	573.36'	6.92'	580.28'	A	SOUTH EDGE
3	N/A TUNNEL	1897600.91	1171359.65	573.15'	3.86'	577.01'	A	NORTH EDGE
4	N/A TUNNEL	1897595.46	1171360.49	573.09'	3.90'	576.99'	A	SOUTH EDGE
5	N/A THRUST BLOCK	1897513.66	1171678.90	589.72'	6.56'	596.28'	A	
5A	N/A THRUST BLOCK	1897513.63	1171676.05	589.64'	7.20'	596.84'	A	
6	N/A THRUST BLOCK	1897522.75	1171594.74	589.37'	6.68'	596.05'	A	
6A	N/A THRUST BLOCK	1897524.90	1171593.77	589.37'	6.76'	596.13'	A	
6B	N/A THRUST BLOCK	1897525.17	1171595.71	589.38'	6.73'	596.11'	A	
7	N/A THRUST BLOCK	1897506.19	1171582.40	589.21'	6.36'	595.57'	A	
7A	N/A THRUST BLOCK	1897505.10	1171584.54	589.20'	6.42'	595.62'	A	
8	8" WATER	1897811.64	1169853.98	586.86'	7.31'	594.17'	A	
9	N/A THRUST BLOCK	1897812.80	1169876.49	588.42'	4.88'	593.30'	A	
10	N/A THRUST BLOCK	1897815.06	1169870.75	588.64'	5.09'	593.73'	A	
11	SEE NOTE WATER	1897813.75	1169879.18	588.06'	5.49'	593.55'	A	
11A	24"x24" ELECTRIC	1897814.13	1169877.49	591.41'	2.03'	593.44'	A	
12	16" WATER	1898158.45	1170801.96	586.95'	6.60'	593.55'	A	
13	24" GAS	1898159.98	1170811.42	590.55'	3.22'	593.77'	A	
14	16" WATER	1898098.96	1170803.32	570.59'	5.30'	575.89'	A	
15	20" GAS	1898100.29	1170814.06	569.38'	6.45'	575.83'	A	
16	N/A TUNNEL	1898000.74	1171597.17	569.79'	8.10'	577.89'	A	
17	N/A TUNNEL	1897991.35	1171521.95	572.07'	4.11'	576.18'	A	
18	N/A TUNNEL	1897921.01	1171524.66	572.02'	3.99'	576.01'	A	
19	60" SIPHON	1898449.22	1171402.46	572.68'	7.88'	580.56'	A	
20	60" SIPHON	1898448.41	1171318.35	572.62'	6.12'	578.74'	B	
21	2-(4") FIBER OPTIC	1898798.52	1171364.87	581.80'	6.04'	587.84'	A	
22	60" SIPHON	1898456.60	1171716.09	571.31'	11.07'	582.38'	A	
23	2-(4") FIBER OPTIC	1898807.90	1171637.47	574.87'	9.02'	583.89'	A	
24	SEE NOTE WATER	1898820.21	1171602.72	571.87'	4.71'	576.58'	A	
25	SEE NOTE WATER	1898820.37	1171608.33	571.65'	5.80'	577.45'	B	

NOTES

TH #1 - Found North edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties.
 TH #2 - Found South edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties.
 TH #3 - Found North edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties. Wooden frame is 5" thick.
 TH #4 - Found South edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties.
 TH #5 - Found North edge of Thrust Block.
 TH #5A - Found North edge of Thrust Block. Reference point placed on east curb of driveway.
 TH #6 - Found West edge of Thrust Block.
 TH #6A - Found a 90 degree bend on Thrust Block. Reference point placed in line with bend.
 TH #6B - Found North edge of Thrust Block.
 TH #7 - Found North edge of Thrust Block.
 TH #7A - Found North edge of Thrust Block.
 TH #9 - Found what is believed to be the southern edge of thrust block.
 TH #10 - Found what is believed to be the southern edge of thrust block. Also found a vertical concrete structure that the thrust block seemed to go around. Reference point was placed where edge of thrust block met this structure.
 TH #11 - Found the east edge of water main at the bend. Water main was directly under City of Chicago electric duct and could not verify a size. Records show that this main is a 30". Reference point was placed directly in line with the eastern edge of pipe at the center of bend.
 TH #11A - Found a 24x24 concrete electric duct while excavating for water main.
 TH #13 - Exposed fitting connecting steel gas main to cast iron gas main. (Per Joe People's Energy Inspector)
 TH #14 - Did not find bend. Water main was still on slight downward slope.
 TH #15 - Gas main was still on slight downward slope. Exposed pipe at a weld but could not determine if this was part of the bend.
 TH #16 - Exposed Northern edge of CTA Tunnel.
 TH #17 - Top of CTA Tunnel.
 TH #18 - Top of CTA Tunnel.
 TH #19 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility size to be 60".
 TH #20 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 60" pipe.
 TH #22 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility to be a 60" pipe.
 TH #24 - Briefly had a visual of the utility until sand and ground water infiltrated the test hole. By utilizing the air lance we were able to feel what is believed to be the edges and top of pipe. Records indicate the utility to be a 16" pipe.
 TH #25 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 16" pipe.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.



CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 PLANNING * UTILITY ENGINEERING/LOCATING

Checked By: *[Signature]*
 Date: 3/13/17

TBE Job No. 0990531, 563, 647, 737
 SHEET 10F 3

DESIGNED EG	REVISED								
DRAWN SRK	REVISED								
CHECKED MGR	REVISED								
DATE 12/18/15	REVISED								

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-941-901-290 (Circle Interchange)
 Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	229
Contract No. N/A				
FED. ROAD DIST. NO.	ILLINOIS	Job No. P-91-259-12		

SHEET NO. 10F 27 SHEETS STA. TO STA.

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE &	TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	SUE QUALITY LEVEL	COMMENTS
26	N/A	WATER	1898814.654	1171391.251	572.75'	7.50'	580.25'	B	
27	N/A	WATER	1898814.915	1171395.719	571.67'	7.16'	578.83'	B	
28	N/A	SIPHON	1898446.146	1171286.067	572.68'	13.38'	586.06'	B	
29	N/A	SIPHON	1899863.107	1171643.779	572.74'	7.90'	580.64'	B	
30	N/A	SIPHON	1899845.426	1171642.747	572.90'	7.06'	579.96'	A	
31	N/A	SIPHON	1899845.311	1171651.515	575.42'	6.42'	581.84'	A	
32	N/A	SIPHON	1899833.821	1171355.929	576.15'	3.62'	579.77'	A	
32A	N/A	SIPHON	1899861.396	1171360.162	574.89'	4.07'	579.07'	A	
32B	N/A	SIPHON	1899847.605	1171358.462	575.20'	4.18'	579.38'	A	
33	N/A	FIBER OPTIC	1899742.060	1171648.471	N/A	SEE NOTE	585.56'	C	
34	48"	WATER	1897228.575	1171732.883	576.44'	5.14'	581.58'	A	
35	48"	WATER	1897273.960	1171729.504	576.92'	4.46'	581.38'	A	
36	N/A	WATER	1897385.054	1171718.156	578.38'	2.22'	580.60'	A	
37	54"	WATER	1897227.364	1171462.933	576.33'	6.03'	582.36'	A	
38	N/A	WATER	1897387.290	1171782.047	576.60'	5.46'	582.06'	A	
39	N/A	WATER	1897275.870	1171796.286	577.47'	5.97'	583.44'	A	
40	54"	WATER	1897230.523	1171576.645	578.58'	2.80'	581.38'	A	
41	N/A	WATER	1897229.624	1171790.841	577.55'	6.17'	583.72'	A	
42	48"	WATER	1897381.570	1171565.533	575.29'	4.43'	579.72'	A	
43	14"x14"	UNKNOWN	1897377.583	1171565.776	577.49'	2.14'	579.63'	A	

NOTES

TH #26 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 16" pipe.

TH #27 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 16" pipe.

TH #28 - Unable to visually verify utility due to back fill and ground water infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the crown of pipe. Records indicate utility to be a 60" pipe.

TH #29 - Unable to visually verify utility due to sand and ground water infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the crown of pipe. Records indicate utility to be a 60" pipe.

TH #30 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility to be a 108" pipe.

TH #31 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility to be a 108" pipe. Found what we believe to be the Siphon Outlet Chamber.

TH #32 - Found a flat formed concrete structure. Reference point placed in line with southern edge of concrete structure.

TH #32A - Found a flat formed concrete structure. Reference point placed in line with Northern edge of concrete structure.

TH #32B - Found a flat formed concrete structure. Reference point placed in line with center of concrete structure.

TH #33 - Were only able to excavated to a depth of 10' and did not find utility. Electronic depths indicate utility to 27' +/- deep.

TH #35 - Depth taken from top of pipe joint.

TH #38 - Were only able to see the top crown of pipe. Records indicate pipe size to be 36".

TH #39 - Were only able to see the top crown of pipe. Records indicate pipe size to be 48".

TH #40 - Pipe appears to be on a slight upward angle towards the retaining wall.

TH #41 - Were only able to see the top crown of pipe. Records indicate pipe size to be 48".

TH #42 - Depth taken from top of pipe joint.

TH #43 - Found unknown concrete 14"x14" structure that appears to be a duct.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.



CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
PLANNING * UTILITY ENGINEERING/LOCATING

Checked By: *[Signature]* TBE Job No. I0990531.563, 647, 737
Date: 3/8/17 SHEET 2 OF 3

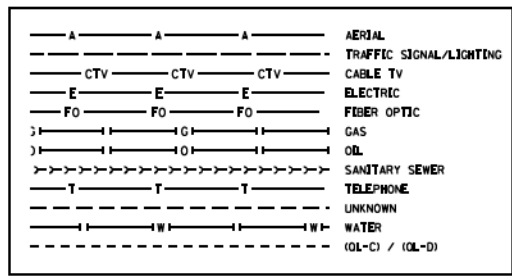
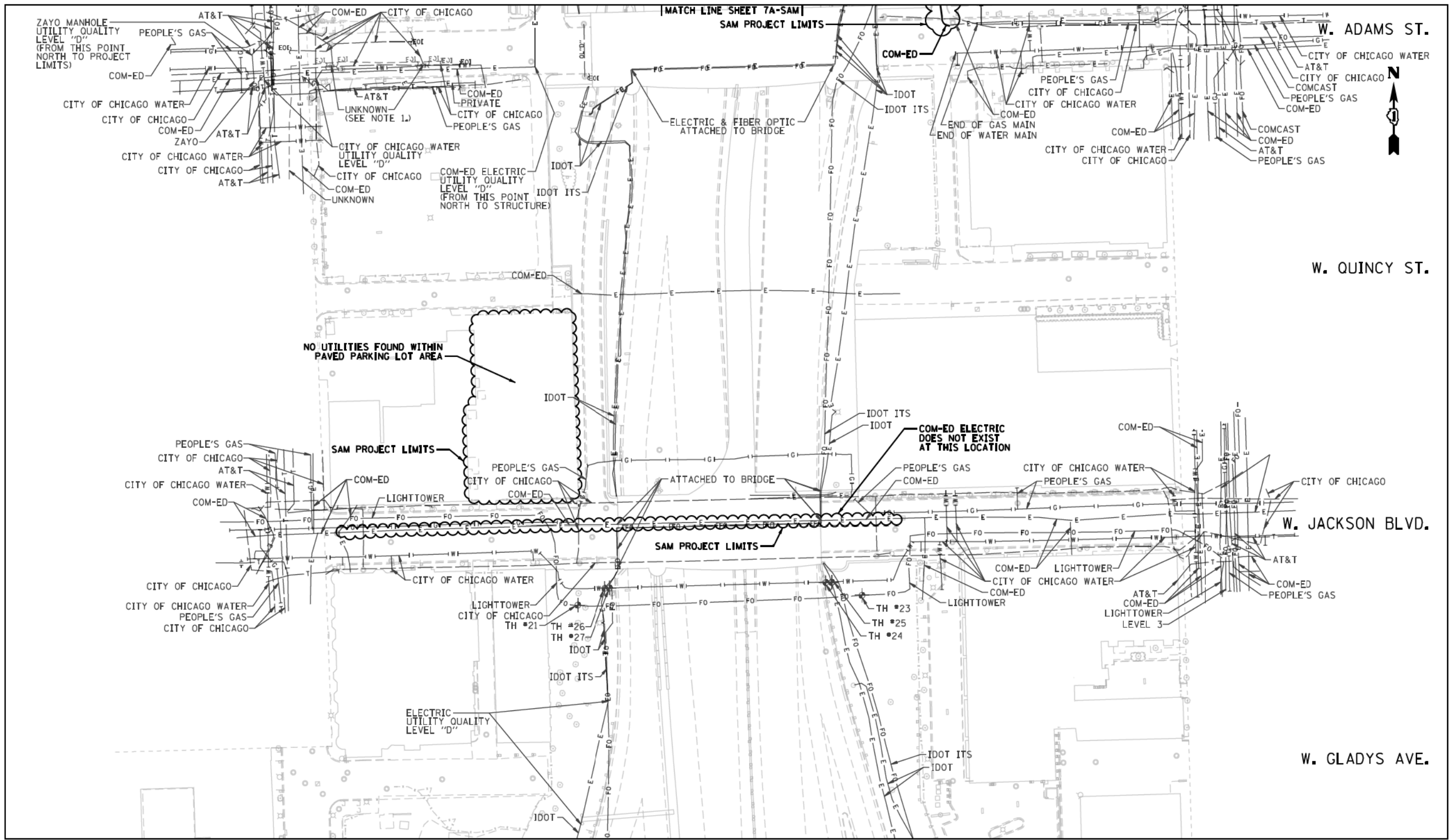
DESIGNED	EG	REVISED	
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	12/18/15	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-941-901-290 (Circle Interchange)
Chicago, Illinois

SHEET NO. 20 OF 27 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	825	230
FED. ROAD DIST. NO.		ILLINOIS	Contract No. N/A	
			Job No. P-9-259-12	



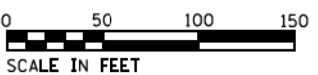


I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 04-29-2019
SCOTT A. WECHTER
PROJECT MANAGER SAM, LLC

SAM
SCOTT & WECHTER
REGISTERED PROFESSIONAL ENGINEERS
6307 Oaklawn Avenue, Naperville, IL 60563
630.756.1000 Fax: 708.361.7987
info@samsam.com www.samsam.com

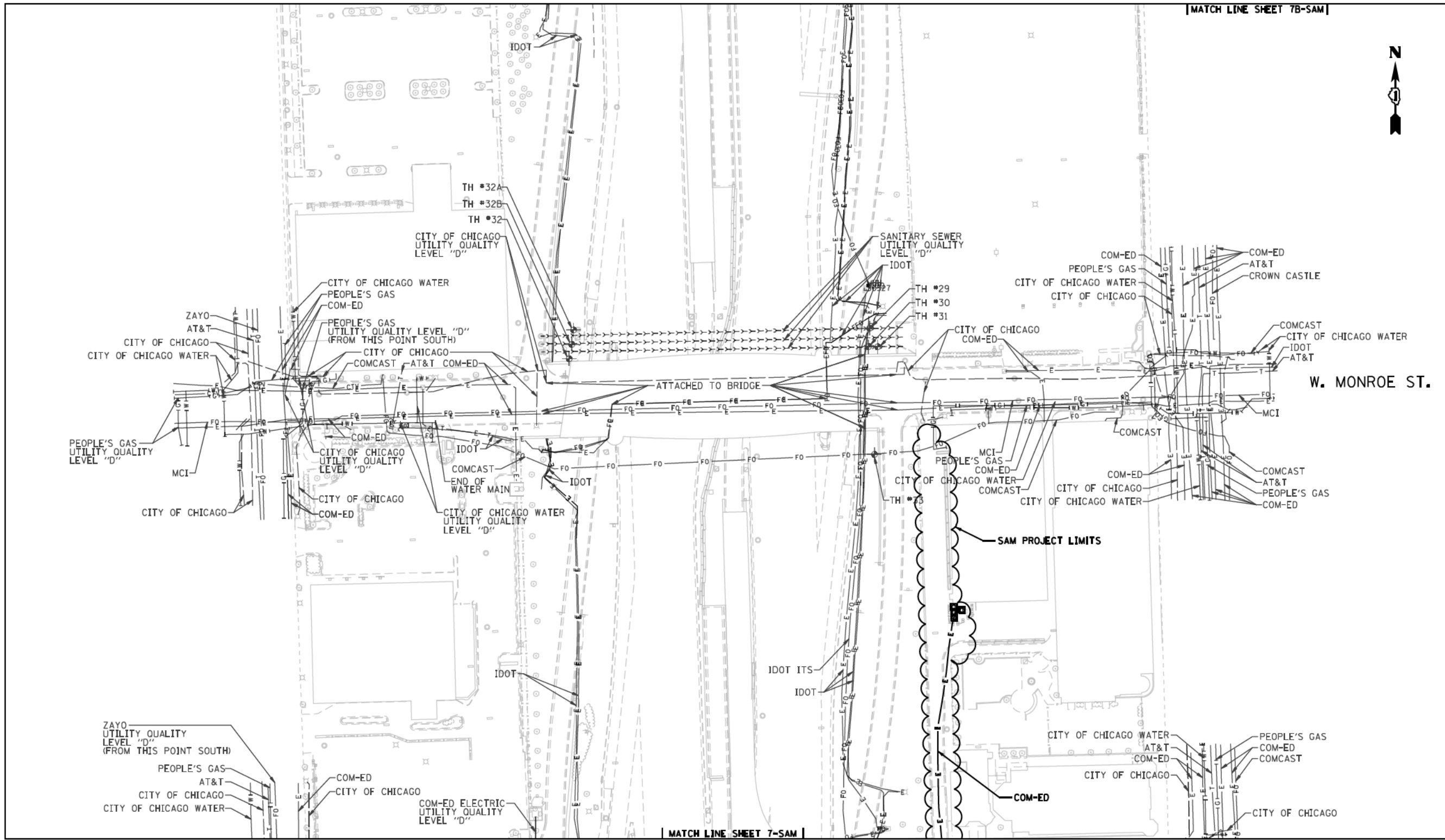
D162A77_SUE.DGN	Designed By:	B.J. E.F. L.P.
Scale: 1"=50'	Drafted By:	P.B.
Sheet: 7-SAM	Checked By:	S.W.
Date: 04-29-2019	1018047098	IDOT-1 W.O. 120



7-SAM

- NOTES:**
- UTILITIES DESIGNATED BY SAM, LLC. ARE SHOWN AS THICK LINES.
UTILITIES DESIGNATED BY CARDNO ARE SHOWN AS THIN LINES.

[MATCH LINE SHEET 7B-SAM]




[MATCH LINE SHEET 7-SAM]

—A—A—A—A—	AERIAL
—T—T—T—T—	TRAFFIC SIGNAL/LIGHTING
—CTV—CTV—CTV—	CABLE TV
—E—E—E—E—	ELECTRIC
—FO—FO—FO—FO—	FIBER OPTIC
—G—G—G—G—	GAS
—O—O—O—O—	Oil
—S—S—S—S—	SANITARY SEWER
—T—T—T—T—	TELEPHONE
—U—U—U—U—	UNKNOWN
—W—W—W—W—	WATER
—(OL-C) / (OL-D)—	



I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 04-29-2019
 SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC

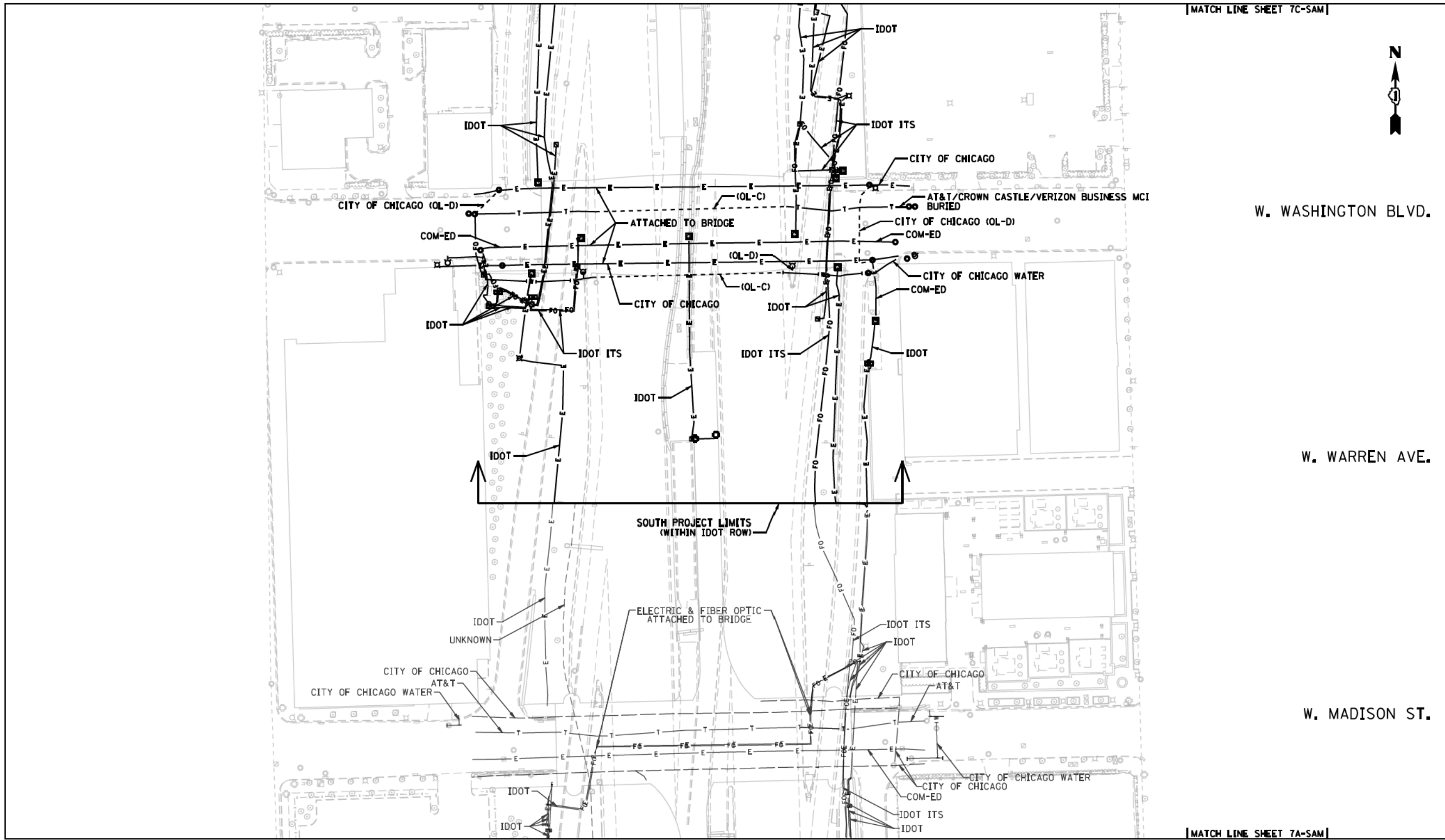


D162A77_SUE.DGN Designated By: B.J. E.F. L.P.
 Scale: 1"=50' Drafted By: P.B.
 Sheet: 7A-SAM Checked By: S.W.
 Date: 04-29-2019 1018047098 IDOT-1 W.O. 120

0 50 100 150
 SCALE IN FEET

7A-SAM

- NOTES:
- UTILITIES DESIGNATED BY SAM, LLC. ARE SHOWN AS THICK LINES. UTILITIES DESIGNATED BY CARDNO ARE SHOWN AS THIN LINES.



—A—A—A—A—	AERIAL
—T—T—T—T—	TRAFFIC SIGNAL/LIGHTING
—CTV—CTV—CTV—	CABLE TV
—E—E—E—E—	ELECTRIC
—FO—FO—FO—FO—	FIBER OPTIC
—G—G—G—G—	GAS
—OL—OL—OL—OL—	OL
—SS—SS—SS—SS—	SANITARY SEWER
—T—T—T—T—	TELEPHONE
—U—U—U—U—	UNKNOWN
—W—W—W—W—	WATER
—(OL-C) / (OL-D)—	(OL-C) / (OL-D)

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

DATE: 04-29-2019
 SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC

SAM
 SCOTT & WECHTER
 REGISTERED PROFESSIONAL ENGINEERS

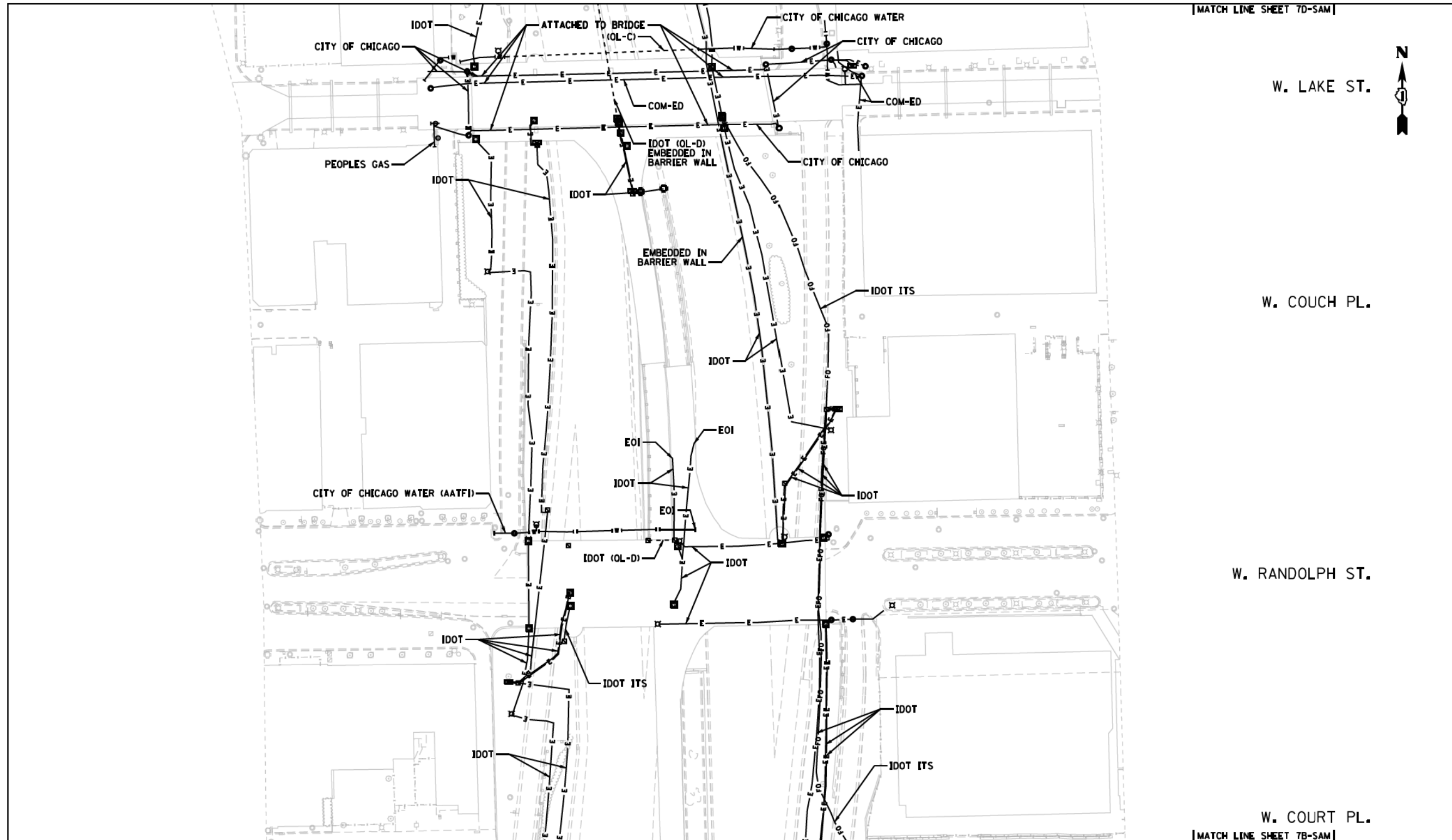
4307 Oaklawn Avenue, Nokesville, VA 20111
 06:753/41/0000 Fax: 703/361/7987
 High@samllc.com www.samllc.com

D162A77_SUE.DGN	Designated By: B.J. E.F. L.P.
Scale: 1"=50'	Drafted By: P.B.
Sheet: 7B-SAM	Checked By: S.W.
Date: 04-29-2019	1018047098 IDOT-1 W.O. 120

0 50 100 150
 SCALE IN FEET

7B-SAM

- NOTES:
- UTILITIES DESIGNATED BY SAM, LLC. ARE SHOWN AS THICK LINES. UTILITIES DESIGNATED BY CARDNO ARE SHOWN AS THIN LINES.



—A—A—A—	AERIAL
—E—E—E—	TRAFFIC SIGNAL/LIGHTING
—CTV—CTV—CTV—	CABLE TV
—E—E—E—	ELECTRIC
—FO—FO—FO—	FIBER OPTIC
—G—G—G—	GAS
—O—O—O—	OL
—S—S—S—	SANITARY SEWER
—T—T—T—	TELEPHONE
—U—U—U—	UNKNOWN
—W—W—W—	WATER
—(OL-C) / (OL-D)—	(OL-C) / (OL-D)

I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.

SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC

DATE: 04-29-2019

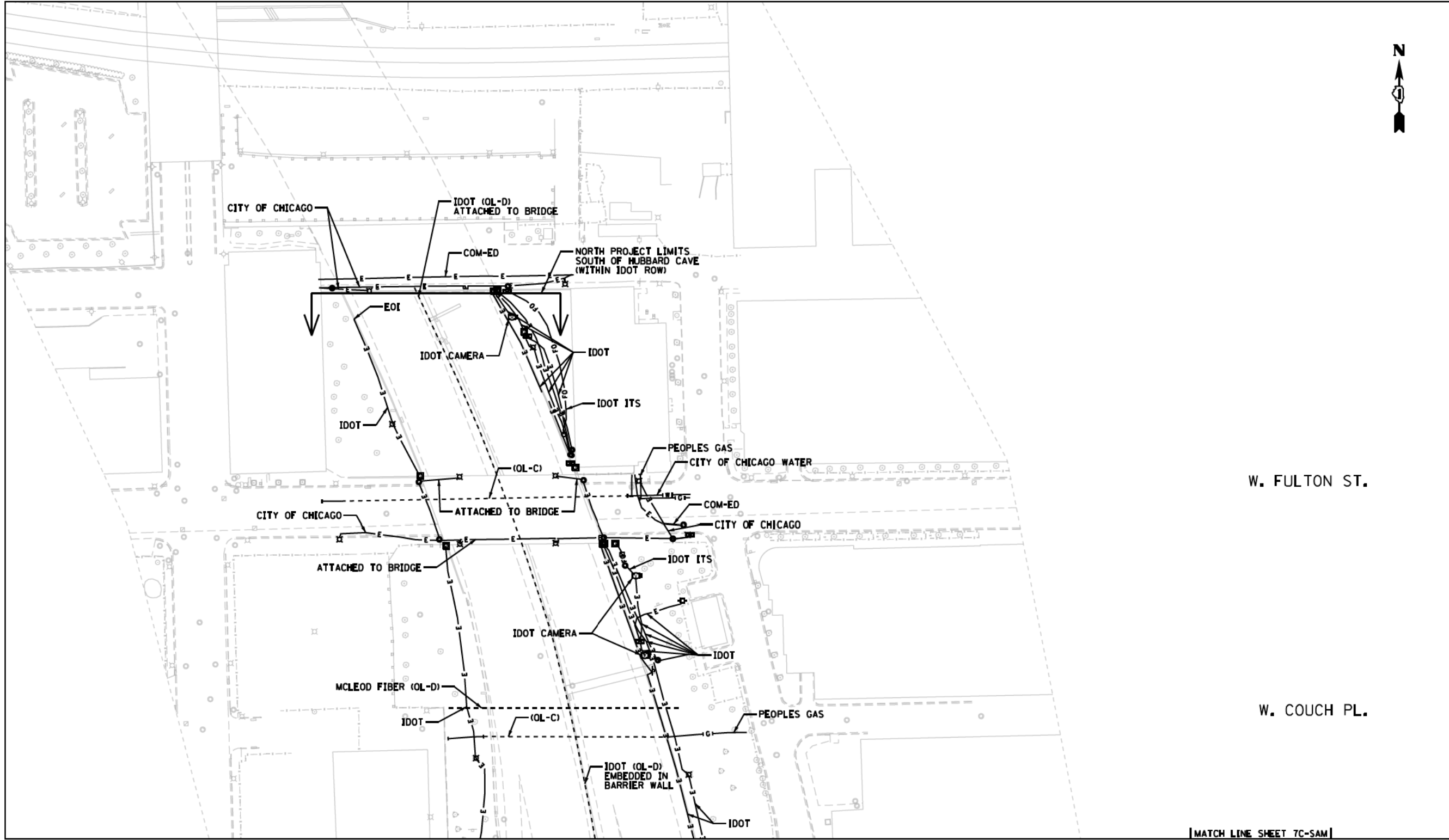
4307 Dulles Avenue, Reston, VA 20191
 01-753-61000 Fax 753-617987
 High@samllc.com www.samllc.com

D162A77_SUE.DGN	Designated By: B.J. E.F. L.P.
Scale: 1"=50'	Drafted By: P.B.
Sheet: 7C-SAM	Checked By: S.W.
Date: 04-29-2019	1018047098 IDOT-1 W.O. 120

0 50 100 150
 SCALE IN FEET


7C-SAM

- NOTES:
- UTILITIES DESIGNATED BY SAM, LLC. ARE SHOWN AS THICK LINES. UTILITIES DESIGNATED BY CARDNO ARE SHOWN AS THIN LINES.
 - RECORDS FROM CDOT INDICATE FREIGHT TUNNELS UNDER FULTON STREET, LYDIA STREET, AND LAKE STREET.



—A—A—A—A—	AERIAL
—T—T—T—T—	TRAFFIC SIGNAL/LIGHTING
—CTV—CTV—CTV—	CABLE TV
—E—E—E—E—	ELECTRIC
—FO—FO—FO—FO—	FIBER OPTIC
—G—G—G—G—	GAS
—O—O—O—O—	OL
—S—S—S—S—	SANITARY SEWER
—T—T—T—T—	TELEPHONE
—U—U—U—U—	UNKNOWN
—W—W—W—W—	WATER
—(OL-C) / (OL-D)—	(OL-C) / (OL-D)


I, SCOTT A. WECHTER, CERTIFY TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE UTILITY INFORMATION DEPICTED BY SAM, LLC, ON THIS PLAN SHEET WAS OBTAINED AND COMPILED UNDER MY DIRECT SUPERVISION USING ACCEPTED PRACTICES AND PROCEDURES.
 DATE: 04-29-2019
 SCOTT A. WECHTER
 PROJECT MANAGER SAM, LLC


 4307 Oaklawn Avenue, Nokesville, VA 20111
 06 753.617.0000 Fax 753.361.7987
 HIG@samllc.com www.samllc.com

D162A77_SUE.DGN	Designated By: B.J. E.F. L.P.
Scale: 1"=50'	Drafted By: P.B.
Sheet: 7D-SAM	Checked By: S.W.
Date: 04-29-2019	1018047098 IDOT-1 W.O. 120

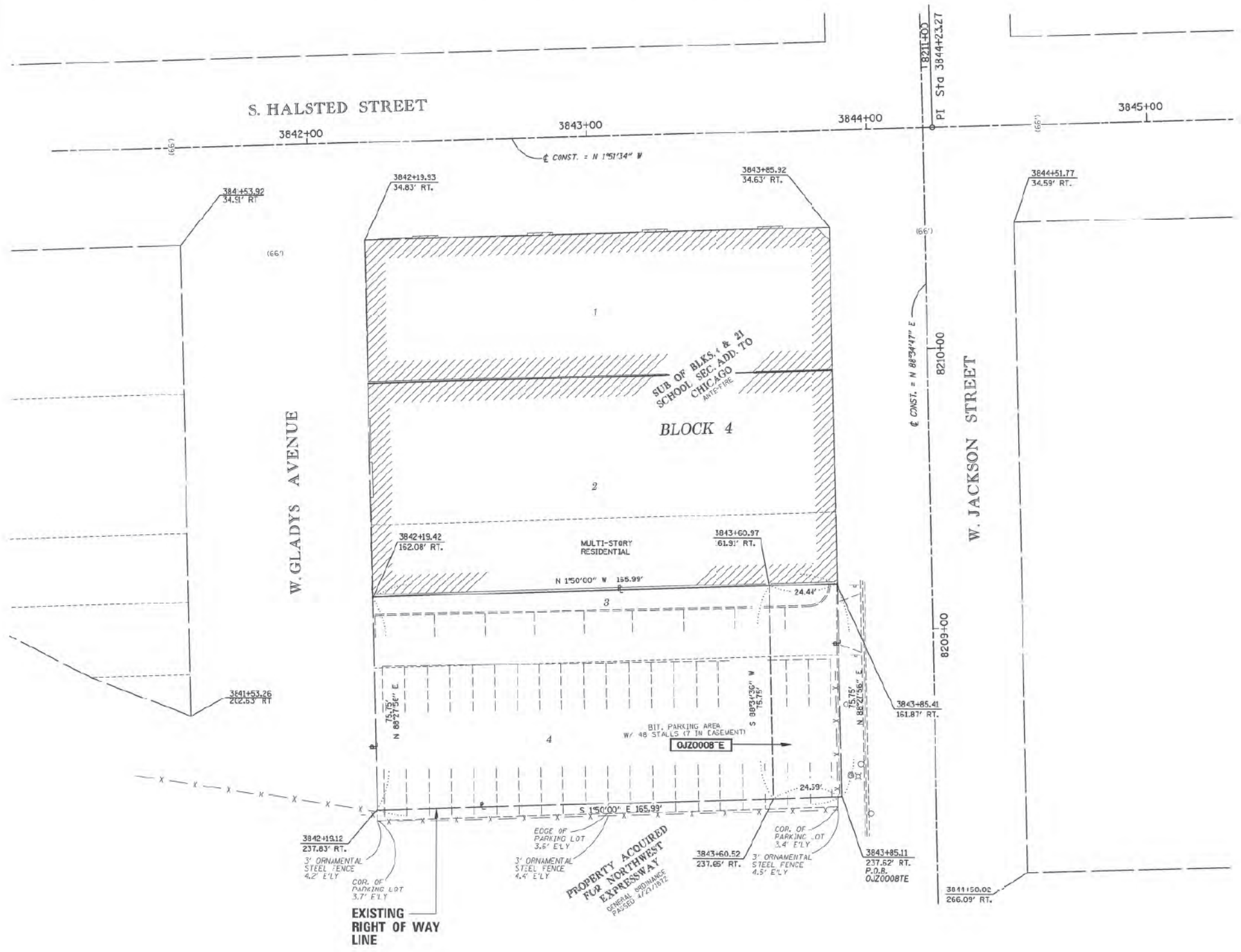
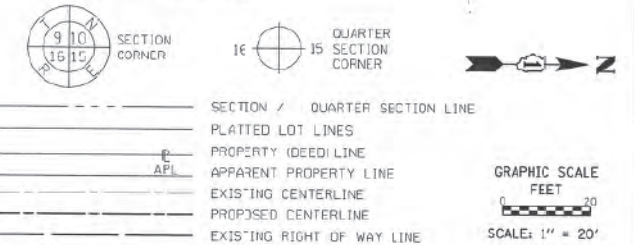
0 50 100 150
 SCALE IN FEET

7D-SAM

- NOTES:**
1. UTILITIES DESIGNATED BY SAM, LLC. ARE SHOWN AS THICK LINES. UTILITIES DESIGNATED BY CARDNO ARE SHOWN AS THIN LINES.
 2. RECORDS FROM CDOT INDICATE FREIGHT TUNNELS UNDER FULTON STREET, LYDIA STREET, AND LAKE STREET.

PART OF SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST, OF THE 3RD PM, COOK COUNTY, ILLINOIS

LEGEND



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)
 COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDAS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, AMERICAN SURVEYING AND ENGINEERING, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003192,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 13TH DAY OF SEPTEMBER, 2016 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
 LICENSE EXPIRATION DATE: 11/30/2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

BOUNDARY COORDINATE TABLE

STATION	OFFSET	NORTHING	EASTING	POINT NO.
3843+85.41	161.87' RT.	1898631.681	1171257.792	15098
3843+85.11	237.62' RT.	1898633.710	1171333.515	15099
3842+19.12	237.83' RT.	1898667.805	1171338.826	15100
3842+19.42	162.08' RT.	1898665.776	1171263.103	15101
3842+60.52	237.65' RT.	1898605.135	1171334.302	15102
3842+60.97	161.91' RT.	1898607.253	1171258.574	15103

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
QJZ0008TE	0.289	-----	-----	0.289	0.043	1,857	17-16-116-005



PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DWIGHT D. EISENHOWER EXPRESSWAY (I-290)
 HALSTED STREET TO MORGAN STREET
 COUNTY: COOK

LIMITS:
 SECTION: CIRCLE INTERCHANGE TO STA. 3843+85.41 JOB NO. 17-90-031-13
 STA. 3843+60.52 TO STA. 3843+85.41
 SCALE: 1" = 20' SHEET 2 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY
 RECEIVED
 OCT 02 2016
 PLATS & LEGALS

REVISION DATE: 09/22/2016 REVISION MADE BY: MB

FILE PATH = p:\na\ecom\m-n\m\st\seccom\line\local\ecom_DS02_MN_Documents\01_Americas\Transportation\60269938_Circle_Phase_11\000_CAD\006_Roadway_Sheets\60X94-SHT-R0W-Plats.dgn



D160X94-SHT-R0W-Plats.dgn	DESIGNED -	REVISED -
USER NAME = v1janachione	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

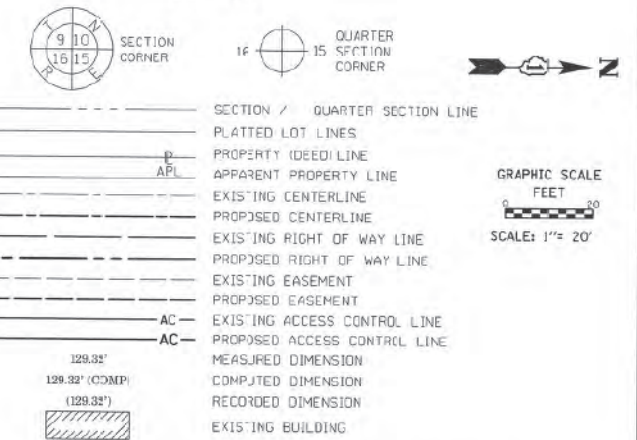
RIGHT OF WAY PLAT

SCALE: NONE SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	238
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

PART OF SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST, OF THE 3RD PM, COOK COUNTY, ILLINOIS

LEGEND

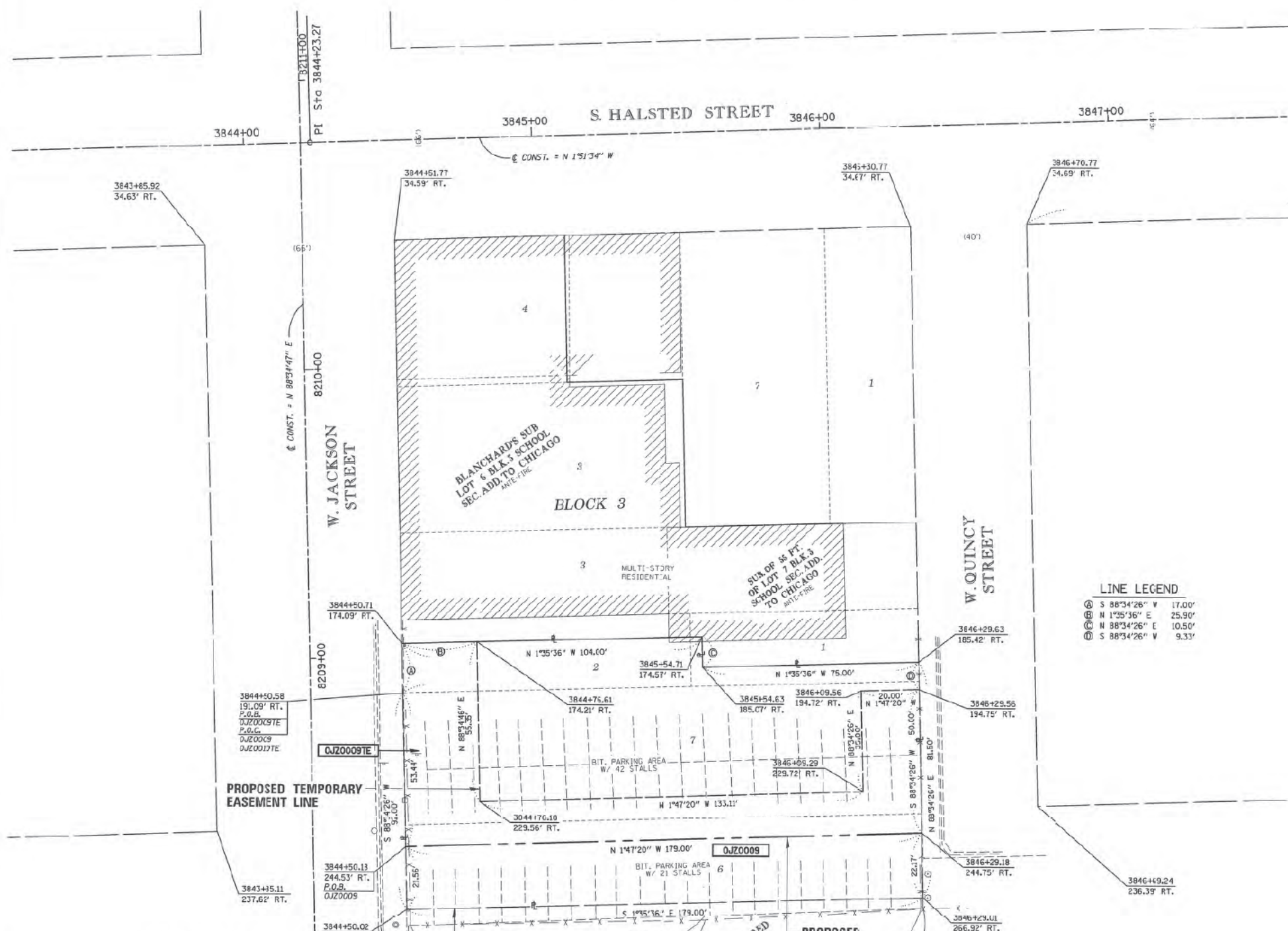


BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), LEAST ZONE.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 TO BE SET BY OTHERS
- RIGHT OF WAY STAKING PROPOSED TO BE SET

LINE LEGEND

- ③ S 88°34'26" W 17.00'
- ③ N 1°35'36" E 25.90'
- ③ N 88°34'26" E 10.50'
- ③ S 88°34'26" W 9.33'



BOUNDARY COORDINATE TABLE

STATION	OFFSET	NORTHING	EASTING	POINT NO.
3846+23.01	266.92' RT.	1899078.838	1171354.931	15104
3844+50.02	266.09' RT.	1898899.912	1171359.908	15105
3844+50.71	174.09' RT.	1898897.622	1171267.936	15106
3846+23.63	185.42' RT.	1899076.810	1171273.456	15107
3844+76.61	174.21' RT.	1898823.508	1171267.216	15112
3844+76.07	244.56' RT.	1898925.252	1171337.545	15113
3844+50.8	244.63' RT.	1898899.375	1171338.354	15116
3846+23.8	244.75' RT.	1899078.287	1171332.766	15117
3844+50.58	191.09' RT.	1898898.045	1171284.931	15139
3845+54.71	174.57' RT.	1899001.582	1171265.045	15150
3845+54.63	185.07' RT.	1899001.843	1171275.541	15151
3844+76.8	229.56' RT.	1898924.881	1171322.550	16024
3845+09.29	229.72' RT.	1899057.923	1171318.394	16500
3845+09.66	194.72' RT.	1899057.052	1171283.405	16501
3846+29.56	194.75' RT.	1899077.042	1171282.781	16502

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0JZ0009	0.360 AC	0.090	0.000	0.270	-----	-----	17-16-110-007
0JZ0009TE	-----	-----	-----	-----	0.111	4,819	17-16-110-006 (PT)

IDOT USE ONLY
RECEIVED
OCT 02 2018
PLATS & LEGALS

AMERICAN
SURVEYING & ENGINEERING, P.C.
105 W. Madison St., Suite 1700
Chicago, IL 60602
312-277-2000 / Fax 312-277-2022

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DWIGHT D. EISENHOWER EXPRESSWAY (I-290)
HALSTED STREET TO MORGAN STREET
COUNTY: COOK
JOB NO.: R-90-031-13

LIMITS:
SECTION: CIRCLE INTERCHANGE
STA. 3844+50.02 TO STA. 3846+29.29
SCALE: 1" = 20'
SHEET 3 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 08/28/2018 REVISION MADE BY: MB

FILE PATH = p:\n\ecdm\m-n\m\st\ecdm\line\local\ecdm\0502\m\Documents\01\America's Transportation\60269938 Circle Phase II\000 CAD\006 Roadway\Sheets\60X94_Contract\0160X94-SHT-R0W-Plats.dgn



D160X94-SHT-R0W-Plats.dgn	DESIGNED -	REVISED -
USER NAME = vjanachione	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

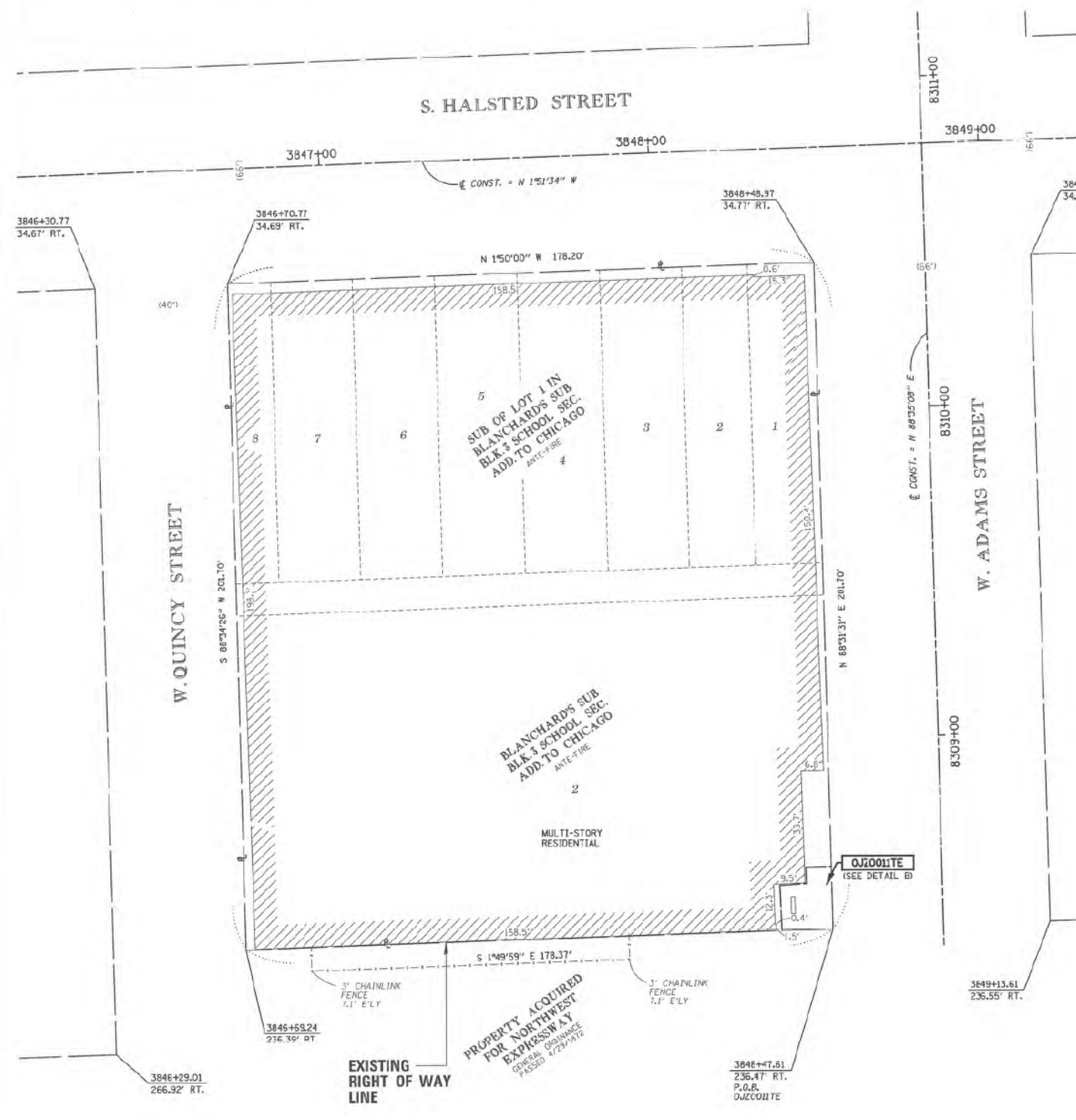
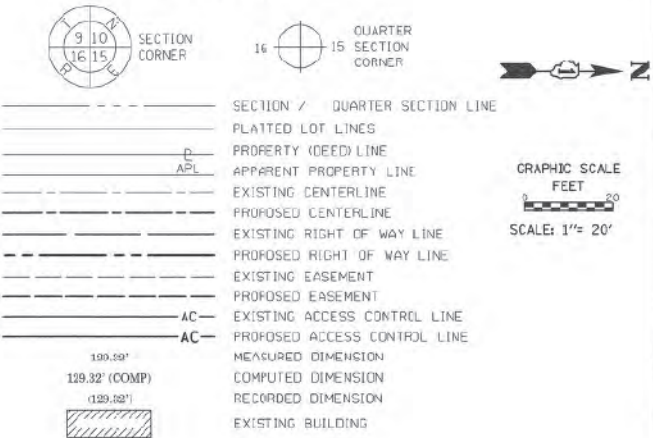
RIGHT OF WAY PLAT

SCALE: NONE SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	239
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

PART OF SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST, OF THE 3RD PM, COOK COUNTY, ILLINOIS

LEGEND



- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - N STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊕ PERMANENT SURVEY MARKER, I.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET

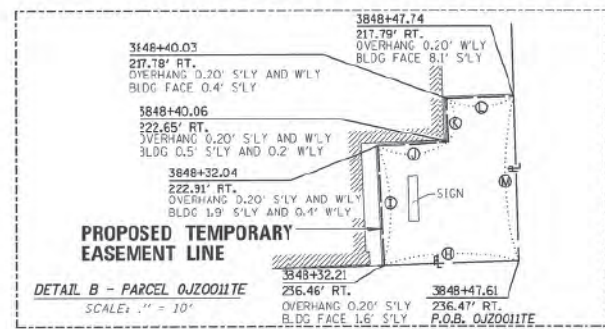
STATE OF ILLINOIS)
 COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDAS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, AMERICAN SURVEYING AND ENGINEERING, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003192.) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RE-TRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 13TH DAY OF SEPTEMBER, 2016 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
 LICENSE EXPIRATION DATE: 11/30/2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



LINE LEGEND

- ⊕ S 1°49'59" E 15.40'
- ⊕ S 87°24'14" W 13.55'
- ⊕ N 3°46'22" W 8.02'
- ⊕ S 87°43'56" W 4.87'
- ⊕ N 1°44'22" W 7.71'
- ⊕ N 88°31'21" E 18.68'

BOUNDARY COORDINATE TABLE

STATION	OFFSET	NORTHING	EASTING	POINT NO.
3848+18.97	34.77' RT.	1899291.147	1171115.772	1518
3848+17.61	236.47' RT.	1899296.336	1171317.405	1519
3848+19.24	236.39' RT.	1899118.059	1171323.111	1520
3848+70.77	34.69' RT.	1899113.038	1171121.473	1521
3848+32.21	236.46' RT.	1899280.943	1171317.898	20001
3848+32.04	222.91' RT.	1899280.332	1171304.364	20002
3848+40.06	222.65' RT.	1899288.337	1171303.836	20003
3848+40.03	217.78' RT.	1899288.152	1171298.968	20004
3848+17.74	217.79' RT.	1899295.857	1171298.734	20005

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
OJZ001ITE	0.826	-----	0.000	0.826	0.006	17-16-109-001 THROUGH 17-16-109-008

REVISION DATE: 10/06/2017 REVISION MADE BY: MB

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DWIGHT D. EISENHOWER EXPRESSWAY (I-290)
 HALSTED STREET TO MORGAN STREET
 COUNTY: COOK

DOT USE ONLY

RECEIVED
 OCT 06 2017

PLATS & LEGALS

LIMITS: SECTION: CIRCLE INTERCHANGE TO STA. 3848+35.04 TO STA. 3848+47.74
 COUNTY: COOK JOB NO.: R-90-031-13
 SCALE: 1" = 20' SHEET 5 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

FILE PATH = p:\N\F\ECOM\N-A\N\Site\ecocom\line\local\fa\ECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\1000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-SHT-R0W-Plats.dgn



D160X94-SHT-R0W-Plats.dgn	DESIGNED -	REVISED -
USER NAME = v1janachione	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAT

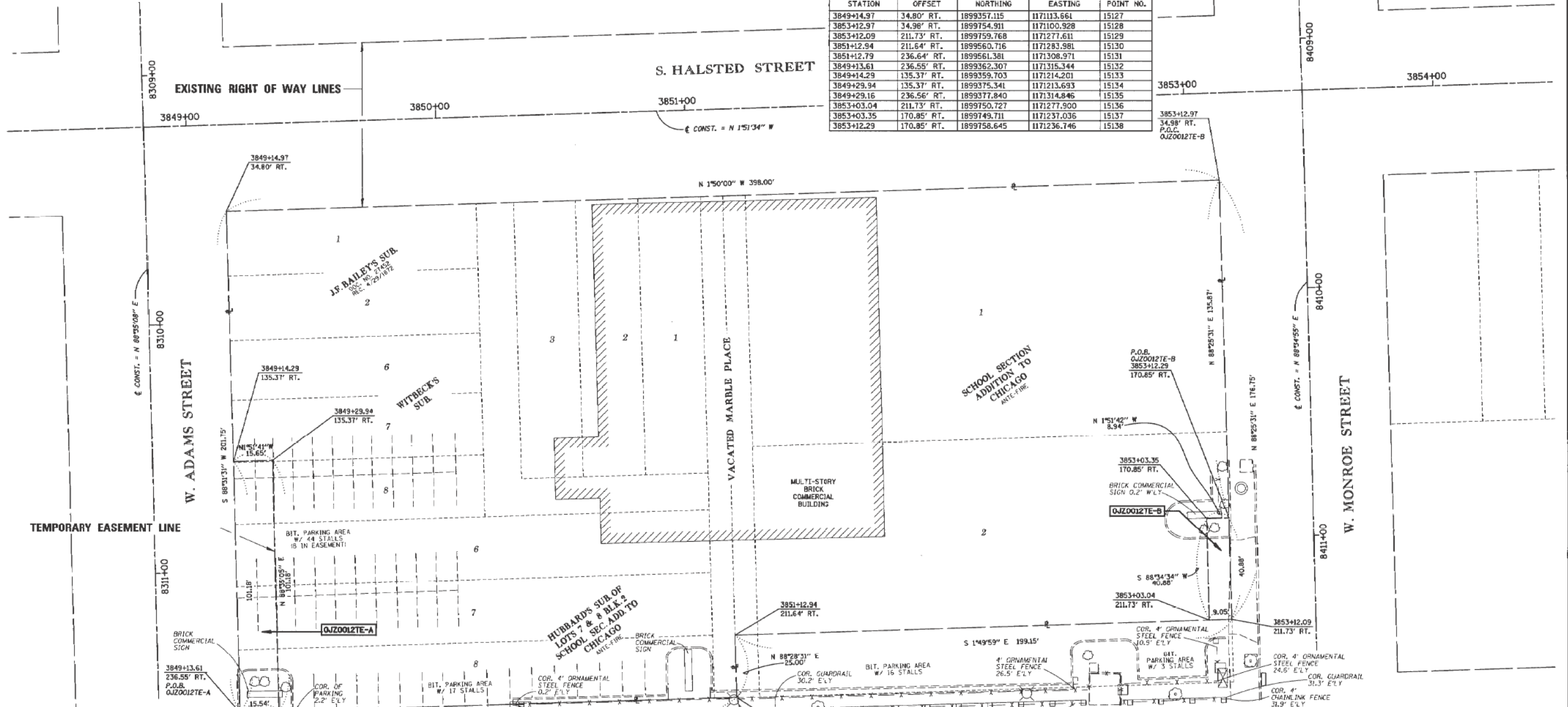
SCALE: NONE SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	240

CONTRACT NO. 60X94
 ILLINOIS FED. AID PROJECT

PART OF SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST, OF THE 3RD PM, COOK COUNTY, ILLINOIS

STATION	OFFSET	NORTHING	EASTING	POINT NO.
3849+14.97	34.80' RT.	1899357.115	1171113.661	15127
3853+12.97	34.98' RT.	1899754.911	1171100.928	15128
3853+12.09	211.73' RT.	1899759.768	1171277.611	15129
3851+12.94	211.64' RT.	1899560.716	1171283.981	15130
3851+12.79	236.64' RT.	1899561.381	1171308.971	15131
3849+13.61	236.55' RT.	1899362.307	1171315.344	15132
3849+14.29	135.37' RT.	1899359.703	1171214.201	15133
3849+29.94	135.37' RT.	1899375.341	1171213.693	15134
3849+29.16	236.56' RT.	1899377.840	1171314.846	15135
3853+03.04	211.73' RT.	1899750.727	1171277.900	15136
3853+03.35	170.85' RT.	1899749.711	1171237.036	15137
3853+12.29	170.85' RT.	1899758.645	1171236.746	15138



LEGEND

SECTION CORNER (9, 10, 15, 16)

QUARTER SECTION CORNER (16)

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION (129.32')

COMPUTED DIMENSION (129.32')

RECORDED DIMENSION (129.32')

EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" (NCH) IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- RT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- RT2
- RT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8" IRON METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS)
 COUNTY OF)

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
OJZ0012E-A	1.730 AC	-----	0.000	1.730	0.036	1,578	17-16-105-016 THROUGH 17-16-105-021
OJZ0012E-B					0.008	368	17-16-105-029 THROUGH 17-16-105-036

THIS IS TO CERTIFY THAT I, COVENTINE FIDAS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, AMERICAN SURVEYING AND ENGINEERING, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003192,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL-MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 6TH DAY OF OCTOBER, 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
 LICENSE EXPIRATION DATE: 11/30/2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION DATE: 09/13/2016 REVISION MADE BY: _____



AMERICAN
 SURVEYING & ENGINEERING, P.C. 105 W. Madison St. Suite 1700
 Chicago, IL 60602
 SURVEYORS-ENGINEERS 312-277-2003 / Fax 312-277-2002

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DWIGHT D. EISENHOWER EXPRESSWAY (I-290)
 HALSTED STREET TO MORGAN STREET
 LIMITS: COUNTY: COOK
 SECTION: CIRCLE INTERCHANGE JOB NO.: R-90-031-13
 STA. 3849+13.61 TO STA. 3853+12.29
 SCALE: 1" = 20' SHEET 6 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

FILE PATH = p:\N\ECOM-NR-NW\Seccion\line\local\ECOM_DS02_NA.Documents\01_Americas\Transportation\60269938_Circle\Phase_1\1000_CAD\006_Roadway_Sheets\60X94_Sht-R0W-Plats.dgn



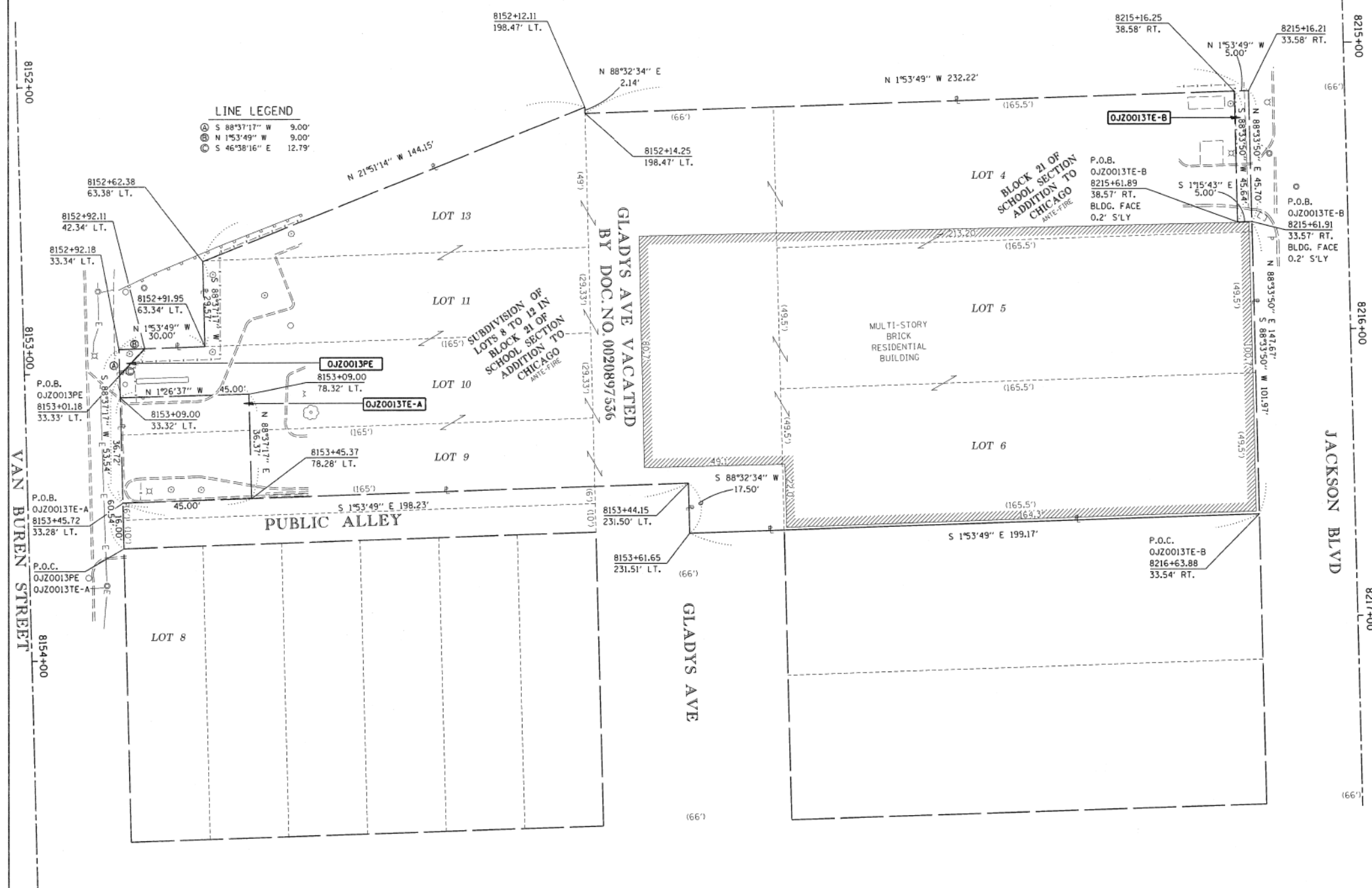
D160X94-SHT-R0W-Plats.dgn	DESIGNED -	REVISED -
USER NAME = v1janachione	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET 4 OF 6 SHEETS	STA. TO STA.	F.A.I. R.T.E. 90/94/290	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 241	
							CONTRACT NO. 60X94	
ILLINOIS FED. AID PROJECT								

PART OF SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST, OF THE 3RD PM, COOK COUNTY, ILLINOIS

LEGEND



LINE LEGEND

⊙	S 88°37'17" W	9.00'
⊙	N 1°53'49" W	9.00'
⊙	S 46°38'16" E	12.79'

SECTION CORNER 16 15 SECTION CORNER

GRAPHIC SCALE FEET 0 20 SCALE: 1" = 20'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- ⊙ CUT CROSS FOUND OR SET
- ⊙ 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY T3 COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDAS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, AMERICAN SURVEYING AND ENGINEERING, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003192,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 14TH DAY OF FEBRUARY, 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
LICENSE EXPIRATION DATE: 11/30/2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

BOUNDARY COORDINATE TABLE

STATION	OFFSET	NORTHING	EASTING	POINT NO.
8153+61.65	231.51' LT.	1898647.025	1171844.521	16001
8153+44.15	231.50' LT.	1898646.580	1171827.027	16002
8153+45.72	33.28' LT.	1898448.460	1171833.588	16003
8152+92.18	33.34' LT.	1898447.172	1171780.064	16004
8152+52.11	42.34' LT.	1898456.167	1171779.766	16050
8152+62.38	63.38' LT.	1898476.445	1171749.509	16006
8152+12.11	198.47' LT.	1898610.233	1171695.852	16007
8152+14.25	198.47' LT.	1898610.287	1171697.991	16008
8153+01.18	33.33' LT.	1898447.388	1171789.061	16051
8153+09.00	78.32' LT.	1898492.562	1171795.743	16052
8153+09.00	33.32' LT.	1898447.576	1171796.876	16053
8153+45.37	78.28' LT.	1898493.437	1171832.098	16013
8152+91.95	63.34' LT.	1898477.156	1171779.071	A16005
8216+63.88	33.54' RT.	1898846.081	1171837.928	16000
8215+16.21	33.58' RT.	1898842.381	1171690.305	16009
8215+61.91	33.57' RT.	1898843.526	1171735.986	16014
8215+61.89	38.57' RT.	1898838.527	1171736.096	16015
8215+16.25	38.58' RT.	1898837.383	1171690.470	16016

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OJZ0013PE					0.001	40	17-16-116-017 17-16-116-021 17-16-116-024
OJZ0013TE-A	1.147 AC		0.000	1.147 AC	0.038	1,644	17-16-116-027 17-16-116-036 17-16-116-038
OJZ0013TE-B					0.005	228	

AMERICAN SURVEYING & ENGINEERING, P.C. SURVEYORS+ENGINEERS

105 W. Madison St. Suite 1700 Chicago, IL 60602 312-277-2000 / Fax 312-277-2002

STATE OF ILLINOIS
COVENTINE FIDAS
35-2159
CHICAGO, ILL.
PROFESSIONAL LAND SURVEYOR

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DWIGHT D. EISENHOWER EXPRESSWAY (I-290)

LIMITS: COUNTY: COOK
SECTION: CIRCLE INTERCHANGE JOB NO.: R-90-031-13
STA. 8152+56.79(VAN BUREN) TO STA. 8153+45.72
SCALE: 1" = 20' SHEET 7 OF 11 SHEETS

RECEIVED
FEB 14 2017
PLATS & LEGALS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



D:\6094-SHT-R0W-Plats.dgn	DESIGNED -	REVISED -
USER NAME = vjanachione	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/6/2020	DATE = 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

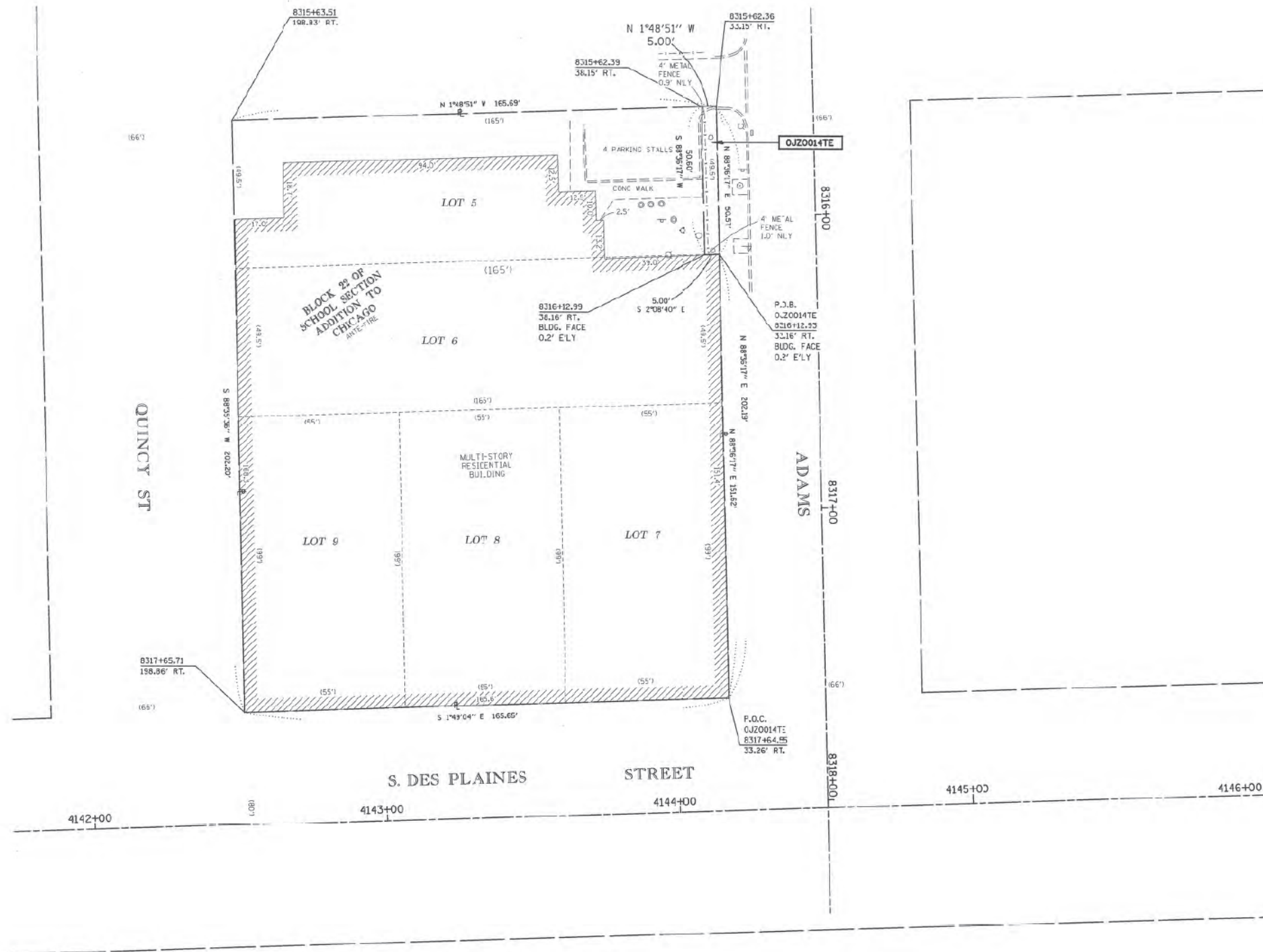
RIGHT OF WAY PLAT

SCALE: NONE SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	242
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\N\ECOM\N\N\5\leecomm\line\local\I\COM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-SHT-R0W-Plats.dgn

PART OF SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST, OF THE 3RD PM, COOK COUNTY, ILLINOIS



LEGEND

	SECTION CORNER		QUARTER SECTION CORNER
	SECTION / QUARTER SECTION LINE		PLATTED LOT LINES
	PROPERTY (DEED) LINE		APPARENT PROPERTY LINE
	EXISTING CENTERLINE		PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE		PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT		PROPOSED EASEMENT
	EXISTING ACCESS CONTROL LINE		PROPOSED ACCESS CONTROL LINE
	MEASURED DIMENSION		COMPUTED DIMENSION
	RECORDED DIMENSION		EXISTING BUILDING

GRAPHIC SCALE
FEET
0 20
SCALE: 1" = 20'

- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
 - *MAG NAIL SET
 - + CUT CROS FOUND OR SET
 - 5 / 8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.B.G.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDAS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, AMERICAN SURVEYING AND ENGINEERING, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003192,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 39 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 13TH DAY OF SEPTEMBER, 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2159
LICENSE EXPIRATION DATE: 11/30/2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DWIGHT D. EISENHOWER EXPRESSWAY (I-290)
HALSTED STREET TO MORGAN STREET

LIMITS: COUNTY: COOK
SECTION: CIRCLE INTERCHANGE JOB NO: R-90-031-13
STA. 8315+62.36 (ADAMS) TO STA. 8316+12.99
SCALE: 1" = 20' SHEET 8 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
GJZ0014TE	0.769 AC	-----	0.000	0.769 AC	0.006	253	17-16-109-027-1000 THROUGH 17-16-109-027-1503

BOUNDARY COORDINATE TABLE

STATION	OFFSET	NORTHING	EASTING	POINT NO.
8317+64.55	33.22' RT.	1899331.852	1171924.558	16017
8317+65.71	198.86' RT.	1899146.085	1171929.82	16018
8315+63.51	198.83' RT.	1899111.122	1171727.673	16019
8315+62.36	33.15' RT.	1899336.729	1171722.428	16020
8316+12.93	33.16' RT.	1899337.960	1171722.932	16021
8316+12.99	38.16' RT.	1899332.963	1171773.149	16022
8315+62.39	38.15' RT.	1899331.731	1171722.586	16023

REVISION DATE: 10/06/2017 REVISION MADE BY: MB

RECEIVED
OCT 06 2017
PLATS & LEGALS

FILE PATH = p:\N\ECOM\NA-N\SI\seccom\line\local\ECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle_Phase_11\000_CAD\006_Roadway_Sheets\60X94_SHT-R0W-Plats.dgn



D160X94-SHT-R0W-Plats.dgn	DESIGNED -	REVISED -
USER NAME = v1janachione	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAT

SCALE: NONE SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	243
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	PAINT PAVEMENT MARKING - LINE 4"	PAINT PAVEMENT MARKING - LINE 6"	PERFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	PAVEMENT MARKING REMOVAL - GRINDING	PERFORMED PLASTIC PAVEMENT MARKING, TYPE D - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS
	SQ FT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	SQ FT
PMK SHEET 1 - I-90/94 NORTH OF 6149+00	37	278	-	300	-	-	29	-	770	65	124	275	136	1,217	793	12	631	61	68
PMK SHEET 2 - I-90/94 SOUTH OF 6149+00	-	124	2,682	328	24	1,100	60	24	78	1,065	35	407	88	1,052	629	12	1,602	61	68
TOTAL	37	402	2,682	628	24	1,100	89	24	848	1,130	159	682	224	2,269	1,422	24	2,233	122	136

FILE PATH = p:\NE\CDM-NR-NV5\elecmon\ne\local\CDM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase-1\160X94-ht-PMK-Schedule.dgn



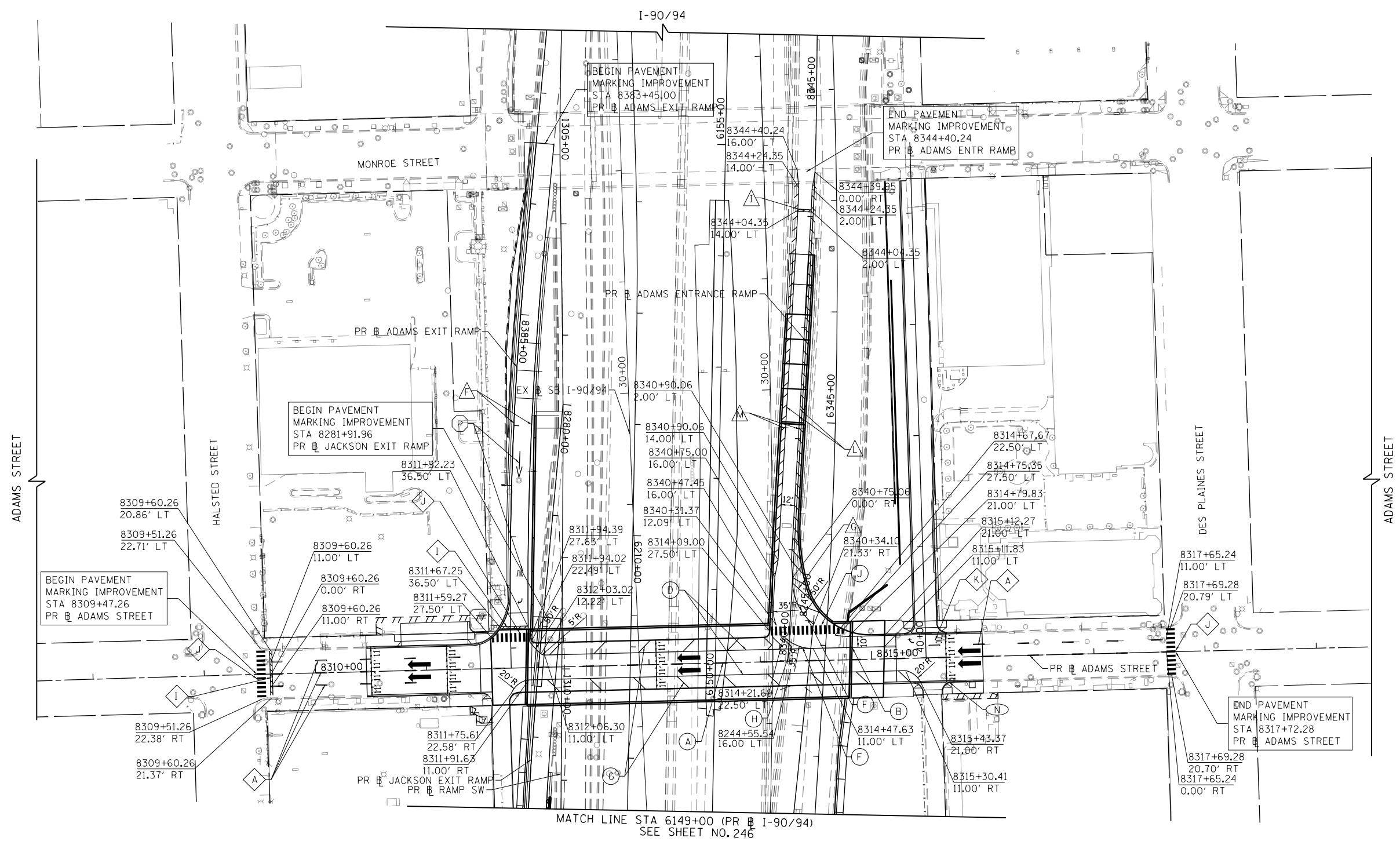
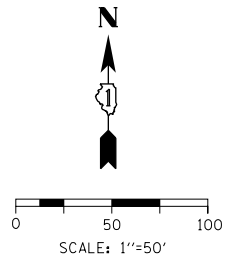
DI60X94-ht-PMK-Schedule.dgn	DESIGNED - \$PMS-01-DE	REVISED -
USER NAME = v1janachione	DRAWN - \$PMS-01-DR	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - \$PMS-01-CH	REVISED -
PLOT DATE = 3/11/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SCHEDULE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	244
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	



LEGEND

PAVEMENT MARKING MATERIAL

- ◇ THERMOPLASTIC PAVEMENT MARKING
- POLYUREA PAVEMENT MARKING
- PREFORMED THERMOPLASTIC PAVEMENT MARKING, TYPE D
- △ MODIFIED URETHANE PAVEMENT MARKING
- PAINT PAVEMENT MARKING
- PREFORMED PLASTIC PAVEMENT MARKING, TYPE D

PAVEMENT MARKING TYPE

- A - 4" WHITE LANE LINE (6' DASH, 18' SKIP)
- B - 6" SOLID WHITE LINE
- C - 6" WHITE LANE LINE (2' DASH, 6' SKIP)
- D - 4" WHITE EDGE LINE
- E - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS (MIN OF 5)
- F - 8" SOLID WHITE EDGE LINE
- G - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS (MIN OF 5)
- H - 12" WHITE CHEVRONS SPACED @ 10' CENTERS
- I - 24" WHITE STOP BAR
- J - 24" WHITE CROSSWALK, 8' WIDTH, SPACED @ 4' CENTERS
- K - WHITE LETTERS AND SYMBOLS
- L - 12" SOLID WHITE LINE
- M - 8" WHITE 45° DIAGONALS @ 10' CENTERS
- N - 6" SOLID YELLOW LINE (ON CURB FACE) - 15' EACH SIDE OF FIRE HYDRANTS
- O - 6" WHITE 45° DIAGONALS SPACED @ 6' CENTERS
- P - WHITE LETTERS AND SYMBOLS AND GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS

FILE PATH = p:\V\ECOM\NA-N\SI\elecmon\line\local\I-90\I-90\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\I-90_CAD\006_Roadway_Sheets\60X94_Contract\I-90\94-Sht-PMK-01.dgn



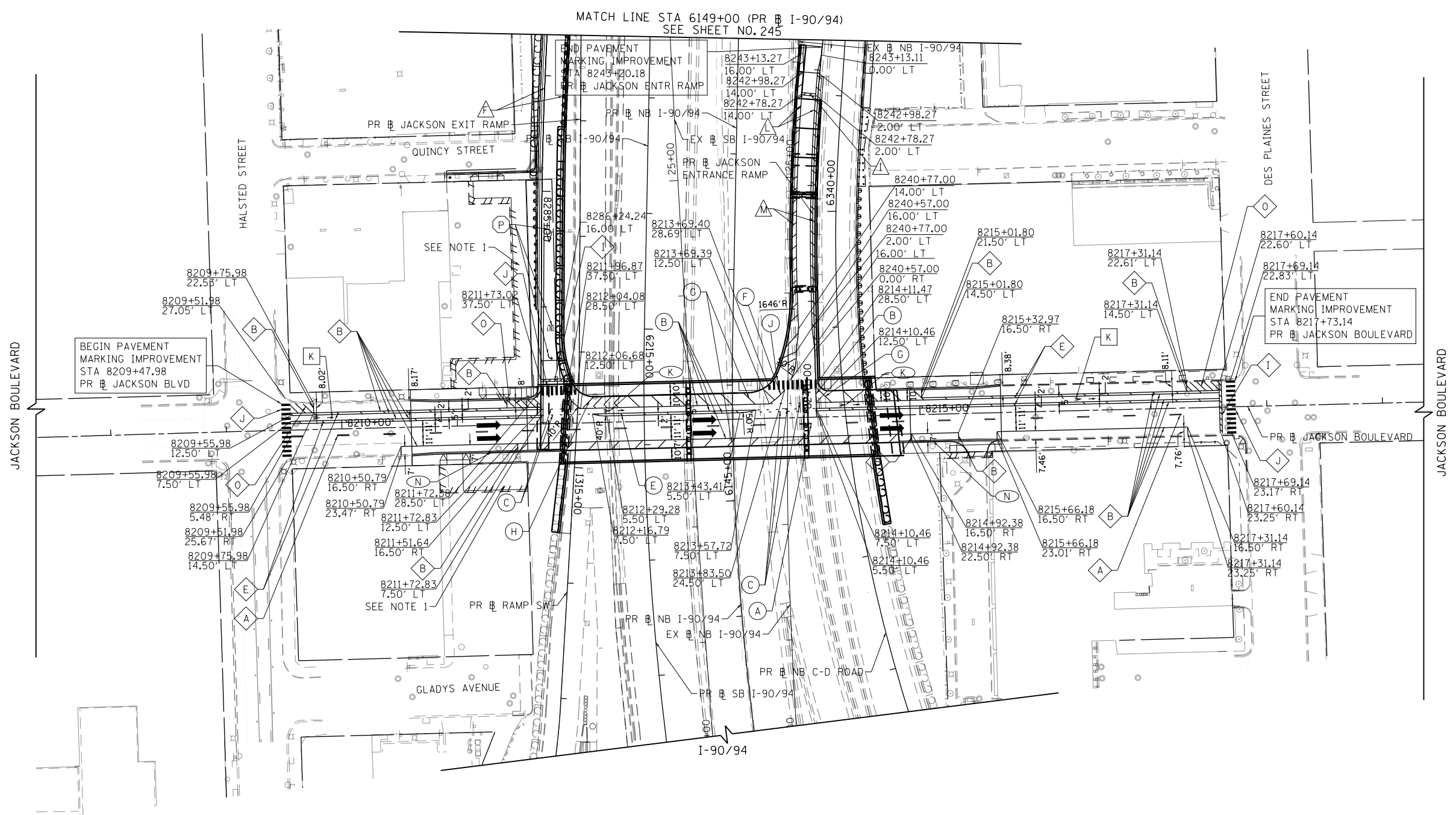
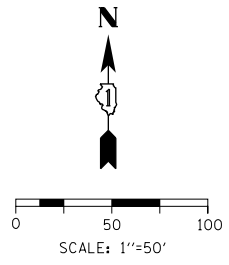
D:\60X94-Sht-PMK-01.dgn	DESIGNED - MJL	REVISED -
USER NAME = vjjanachione	DRAWN - JM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 3/11/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
ADAMS STREET**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 8307+50 TO STA. 8319+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	245
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X94	



LEGEND

PAVEMENT MARKING MATERIAL

- ◊ THERMOPLASTIC PAVEMENT MARKING
- POLYUREA PAVEMENT MARKING
- ◻ PREFORMED THERMOPLASTIC PAVEMENT MARKING, TYPE D
- △ MODIFIED URETHANE PAVEMENT MARKING
- PAINT PAVEMENT MARKING
- ◻ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D

PAVEMENT MARKING TYPE

- A - 4" WHITE LANE LINE (6' DASH, 18' SKIP)
- B - 6" SOLID WHITE LINE
- C - 6" WHITE LANE LINE (2' DASH, 6' SKIP)
- D - 4" WHITE EDGE LINE
- E - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS (MIN OF 5)
- F - 8" SOLID WHITE EDGE LINE
- G - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS (MIN OF 5)
- H - 12" WHITE CHEVRONS SPACED @ 10' CENTERS
- I - 24" WHITE STOP BAR
- J - 24" WHITE CROSSWALK, 8' WIDTH, SPACED @ 4' CENTERS
- K - WHITE LETTERS AND SYMBOLS
- L - 12" SOLID WHITE LINE
- M - 8" WHITE 45° DIAGONALS @ 10' CENTERS
- N - 6" SOLID YELLOW LINE (ON CURB FACE) - 15' EACH SIDE OF FIRE HYDRANTS
- O - 6" WHITE 45° DIAGONALS SPACED @ 6' CENTERS
- P - WHITE LETTERS AND SYMBOLS AND GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS

NOTES:

1. A QUANTITY OF 1100' OF PAINT PAVEMENT MARKING LINE 4" IS INCLUDED FOR MARKINGS TO BE INSTALLED IN RECONSTRUCTED PARKING LOTS, PER LAYOUTS FURNISHED BY THE ENGINEER AND OBTAINED FROM THE PROPERTY OWNER.

FILE PATH = p:\V\ECOM\NA-N\5\1\ecomm\line\local\I-90\I-90_CAD\CAD_006_Roadway_Sheets\60X94_Contract\0160X94-Sht-PMK-02.dgn



D:\60X94-Sht-PMK-02.dgn
USER NAME = vjjanachione
PLOT SCALE = 100.0000' / in.
PLOT DATE = 3/11/2020

DESIGNED - MJL	REVISED -
DRAWN - JM	REVISED -
CHECKED - JMG	REVISED -
DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN JACKSON BOULEVARD			
SCALE: 1"=50'	SHEET 2	OF 2 SHEETS	STA. 8207+35 TO STA. 8219+36

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	246
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

SIGNING SCHEDULE

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	LOCATION (STATION / OFFSET)		EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		NUMBER OF POSTS	SIGN PANEL - TYPE 1 (SO FT)	SIGN PANEL - TYPE 2 (SO FT)	REMOVE SIGN PANEL - TYPE 1 (SO FT)	RELOCATE SIGN PANEL - TYPE 1 (SO FT)	REMOVE SIGN PANEL - TYPE 2 (SO FT)	REMOVE SIGN PANEL - TYPE 3 (SO FT)	TELESCOPING STEEL SIGN SUPPORT (FT)	METAL POST - TYPE A (FT)	METAL POST - TYPE B (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EA)	REMOVE CONCRETE FOUNDATION - GROUND SUPPORT (EA)
					EXISTING	PROPOSED	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)												
ADAMS STREET	ADM-48-SA	NO LEFT TURN ARROW	R3-2	EXISTING SIGN TO REMAIN			2.00	2.00	-	-	-											
	ADM-49-SA	W ADAMS ST 200 S	D3-2	EXISTING SIGN TO REMAIN	8308+96.96	35.32' RT	5.00	1.50	-	-	-											
	ADM-50-SP	HONORARY TED G. SPYROPOULOS	D3-3	EXISTING SIGN TO REMAIN			2.50	0.56	-	-	-											
	ADM-51-SP	STOP AHEAD	W3-1	EXISTING SIGN TO REMAIN			2.50	2.50	-	-	-											
	ADM-52-SA	S HALSTED ST 800 W	D3-2	EXISTING SIGN TO REMAIN	8308+85.58	22.65' LT	5.00	1.50	-	-	-											
	ADM-53-SP	ONE WAY LA	R6-2L	EXISTING SIGN TO REMAIN			1.50	2.00	-	-	-											
	ADM-54-SP	ONE WAY RA	R6-2R	EXISTING SIGN TO REMAIN	8308+96.73	43.59' LT	1.50	2.00	-	-	-											
	ADM-55-SP	HONORARY P.K.7 KOGEONES ST	D3-3	EXISTING SIGN TO REMAIN			2.50	0.56	-	-	-											
	ADM-56-SP	BIKE NORTH TO DEPAUL	D11-1c	EXISTING SIGN TO REMAIN			2.00	1.50	-	-	-											
	ADM-57-SA	NO RIGHT TURN ARROW	R3-1	EXISTING SIGN TO REMAIN	8309+47.07	37.76' LT	2.00	2.00	-	-	-											
	ADM-58-SA	W ADAMS ST 200 S	D3-2	EXISTING SIGN TO REMAIN			5.00	1.50	-	-	-											
	ADM-59-ST	PARK 1	CUSTOM	EXISTING SIGN TO REMAIN	8310+61.94	35.35' LT	8.00	3.00	-	-	-											
	ADM-60-LP	UNITED CENTER BIKE DESTINATION SIGN	D1-1b	EXISTING SIGN TO REMAIN			3.00	0.50	-	-	-											
	ADM-61-LP	UIC DISTANCE BIKE DESTINATION SIGN	D1-1b	EXISTING SIGN TO REMAIN	8310+44.76	23.93' LT	3.00	0.50	-	-	-											
	ADM-62-LP	DEPAUL DISTANCE BIKE DESTINATION SIGN	D1-1c	EXISTING SIGN TO REMAIN			3.00	0.50	-	-	-											
ADM-63-GM	WALGREENS	CUSTOM	EXISTING SIGN TO REMAIN	8311+50.99	35.95' LT	9.08	2.25	-	-	-												
ADM-64-ST	NO PARKING TOW ZONE	R7-201-4	PROPOSED			8312+01.22	24.75' LT	-	-	1.50	1.50	1	3								1	
ADM-65-ST	NO RIGHT TURN ARROW	R3-1	REMOVE AND REPLACE SIGN			8312+24.50	25.00' LT	2.00	2.00	2.00	2.00	1	4	4	2.00	2.00	9				1	
ADM-66-ST	NO PARKING TOW ZONE	R7-201-4	REMOVE					1.50	1.50	-	-	1		3								
ADAMS EXIT RAMP	ASX-01-ST	WRONG WAY	R5-1a	REMOVE AND REPLACE SIGN	8386+41.36	5.85' RT	8386+58.85	5.58' RT	3.50	2.50	3.50	2.50	2	9	9			26				
	ASX-02-PP	WRONG WAY	R5-1a	REMOVE AND REPLACE SIGN	8386+39.67	18.27' LT	8386+58.85	20.28' LT	3.50	2.50	3.50	2.50	1	9	9		6				1	
ADAMS ENTRANCE RAMP	ANT-01-SP	RAMP METER AHEAD	W3-7	REMOVE AND REPLACE SIGN	8340+90.45	75.85' LT	8341+36.28	19.60' LT	3.00	3.00	3.00	3.00	-	9	9							
	ANT-02-ST	YIELD	R1-2	REMOVE SIGN	8341+84.09	83.23' LT			3.00	3.00	-	-	-									
	ANT-03-SP	STOP HERE ON RED	R10-6aR	REMOVE AND REPLACE SIGN	8342+55.73	91.12' LT	8344+04.35	18.79' LT	2.00	2.50	2.00	2.50	-	5	5							
	ANT-04-SP	STOP HERE ON RED	R10-6aL	REMOVE AND REPLACE SIGN	8342+57.48	71.15' LT	8344+04.35	3.80' RT	2.00	2.50	2.00	2.50	-	5	5							

NOTES

- FOR CDOT SIGN PANEL DETAILS SEE THE MOST CURRENT EDITION OF "THE FIELD MANUAL FOR SIGN INSTALLATION GUIDE" AND "SIGN FABRICATION AND INSTALLATIONS" MANUALS AND THE DETAILS IN THESE PLANS.
- SIGN PANEL DETAILS FOR LOADING ZONES SHALL FOLLOW THE R7-201-X DETAILS.
- PER MUTCD 2A.21 PARAGRAPH 4, 3" RED REFLECTIVE STRIPS SHALL BE INSTALLED ON STOP, WRONG WAY, AND DO NOT ENTER SIGN POSTS. THE COST SHALL BE INCLUDED IN THE COST OF THE POST.



R5-1a
REFLECTIVE: YES
MOUNT: CENTER
(42"x30")
ASX-01-ST ASX-02-PP



W3-7
REFLECTIVE: YES
MOUNT: CENTER
(36"x36")
ANT-01-SP



R10-6aR/R10-6aL
REFLECTIVE: YES
MOUNT: CENTER
(24"x30")
ANT-03-SP ANT-04-SP



R7-201-4
SEE NOTE 1
REFLECTIVE: NO
MOUNT: CENTER
(18"x18")
ADM-64-ST



R3-1
REFLECTIVE: YES
MOUNT: CENTER
(24"x24")
ADM-65-ST

SIGN NUMBERING CODE - EXAMPLE

DIRECTION OF TRAFFIC	ADM-03-LP	MOUNTING TYPE
ADM - ADAMS STREET		LP - LIGHT POLE BANDING
ASX - ADAMS SOUTH EXIT RAMP		ST - STEEL POST
ANT - ADAMS NORTH ENTRANCE RAMP		SA - SIGNAL POLE MAST ARM
JAC - JACKSON BOULEVARD		FM - FENCE MOUNTED
JSX - JACKSON SOUTH EXIT RAMP		GM - GROUND MOUNTED
JNT - JACKSON NORTH ENTRANCE RAMP		BM - BRIDGE MOUNTED
		BS - BREAKAWAY STEEL
		WP - WOOD POST
		OH - OVERHEAD
		SP - SIGNAL POLE BANDING
		PP - PARAPET MOUNTED

FILE PATH = p:\N\ECOM-NH-N\51\ecom\line\local\ECOM_DS02_NH\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\1000_CAD\006_Roadway_Sheets\60X94_sht-Sign-Schedule-02.dgn



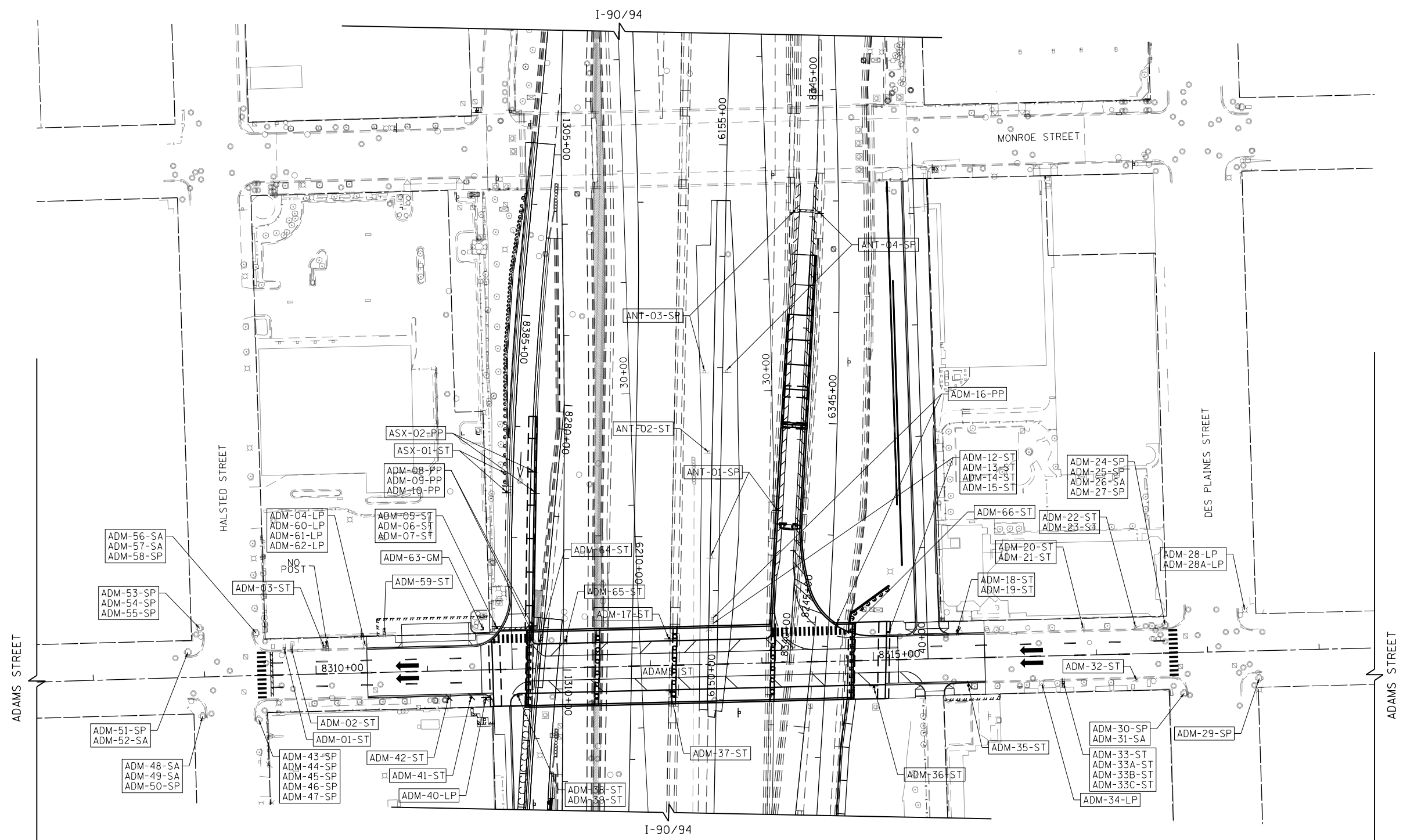
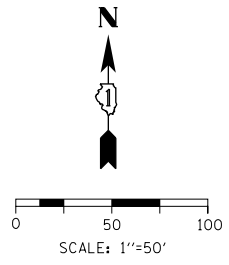
D160X94-sht-Sign-Schedule-02.dgn	DESIGNED - MKW	REVISED -
USER NAME = vjanachione	DRAWN - CAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE	SHEET 2	OF 4 SHEETS	STA.	TO STA.
-------------	---------	-------------	------	---------

SIGNING SCHEDULE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	248
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				



SIGN NUMBERING CODE - EXAMPLE

<p>DIRECTION OF TRAFFIC</p> <p>ADM - ADAMS STREET</p> <p>ASX - ADAMS SOUTH EXIT RAMP</p> <p>ANT - ADAMS NORTH ENTRANCE RAMP</p> <p>JAC - JACKSON BOULEVARD</p> <p>J SX - JACKSON SOUTH EXIT RAMP</p> <p>JNT - JACKSON NORTH ENTRANCE RAMP</p> <p>SIGN PANEL NUMBER</p>	<p>ADM-03-LP</p>	<p>MOUNTING TYPE</p> <p>LP - LIGHT POLE BANDING</p> <p>ST - STEEL POST</p> <p>SA - SIGNAL POLE MAST ARM</p> <p>FM - FENCE MOUNTED</p> <p>GM - GROUND MOUNTED</p> <p>BM - BRIDGE MOUNTED</p> <p>BS - BREAKAWAY STEEL</p> <p>WP - WOOD POST</p> <p>OH - OVERHEAD</p> <p>SP - SIGNAL POLE BANDING</p> <p>PP - PARAPET MOUNTED</p>
--	------------------	---

FILE PATH = p:\V\ECOM\NA-NV\5\elecmon\line\local\I-90\DS02_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase-1\000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-Sht-SIGN-01.dgn



D160X94-Sht-SIGN-01.dgn
 USER NAME = v1janachione
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/6/2020

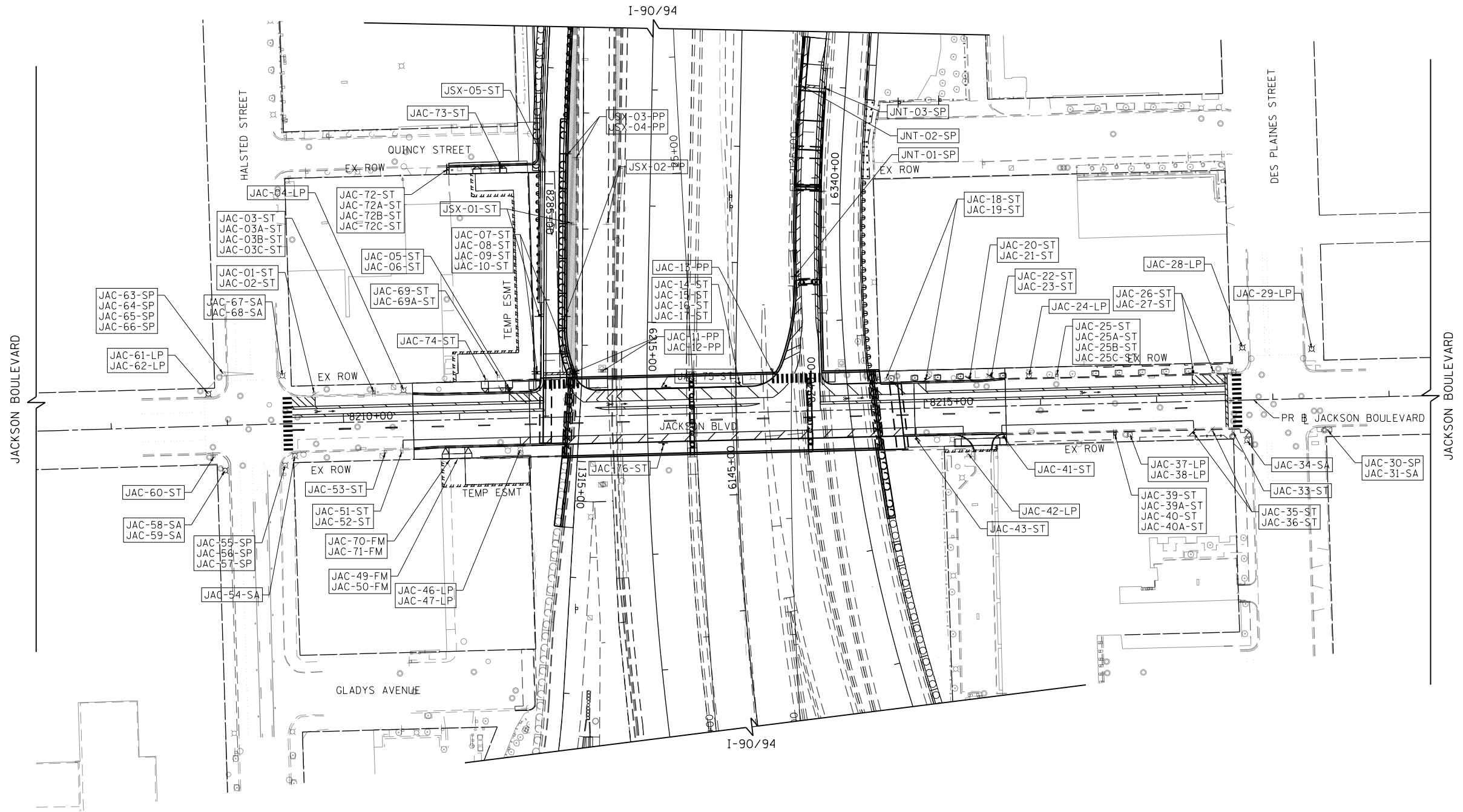
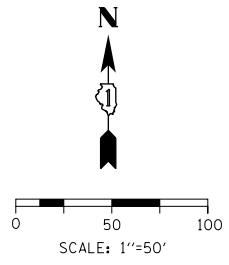
DESIGNED - BES	REVISED -
DRAWN - NLD	REVISED -
CHECKED - MJL	REVISED -
DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
ADAMS STREET**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 8307+50 TO STA. 8319+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	251
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	



SIGN NUMBERING CODE - EXAMPLE

<p>DIRECTION OF TRAFFIC</p> <p>ADM - ADAMS STREET ASX - ADAMS SOUTH EXIT RAMP ANT - ADAMS NORTH ENTRANCE RAMP JAC - JACKSON BOULEVARD JSX - JACKSON SOUTH EXIT RAMP JNT - JACKSON NORTH ENTRANCE RAMP</p> <p>SIGN PANEL NUMBER</p>	<p>ADM-03-LP</p>	<p>MOUNTING TYPE</p> <p>LP - LIGHT POLE BANDING ST - STEEL POST SA - SIGNAL POLE MAST ARM FM - FENCE MOUNTED GM - GROUND MOUNTED BM - BRIDGE MOUNTED BS - BREAKAWAY STEEL WP - WOOD POST OH - OVERHEAD SP - SIGNAL POLE BANDING PP - PARAPET MOUNTED</p>
---	------------------	---

FILE PATH = p:\necdm\m-nw\steele\m\local\ecdm\0502_nw\documents\01_america\transportation\60269938_Circle Phase-1\000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-Sht-SIGN-02.dgn



D160X94-Sht-SIGN-02.dgn
 USER NAME = vjjanachione
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - BES
 DRAWN - NLD
 CHECKED - MJL
 DATE - 3-13-2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

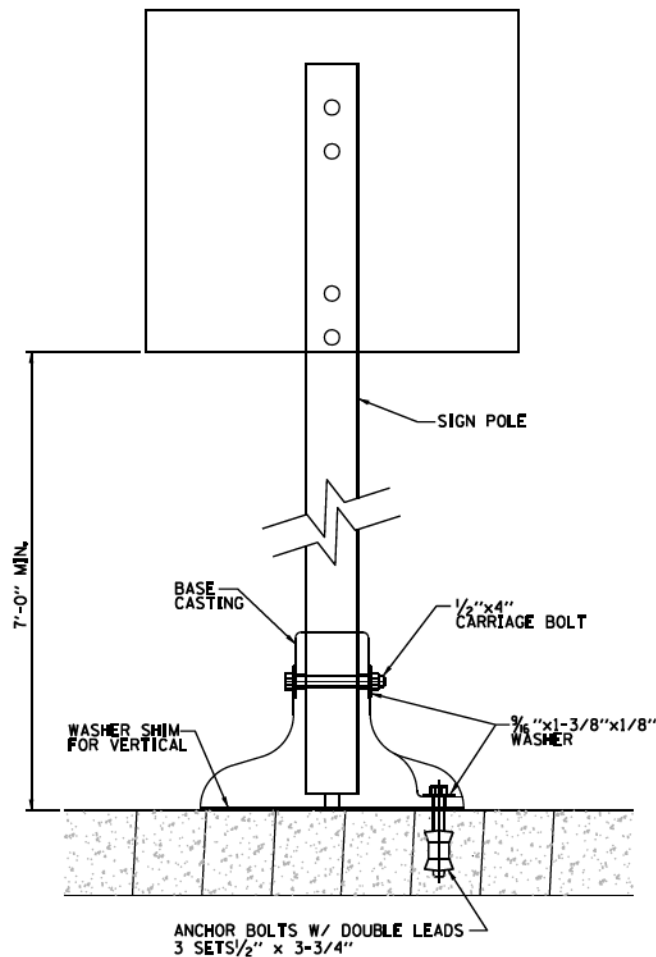
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
JACKSON BOULEVARD**

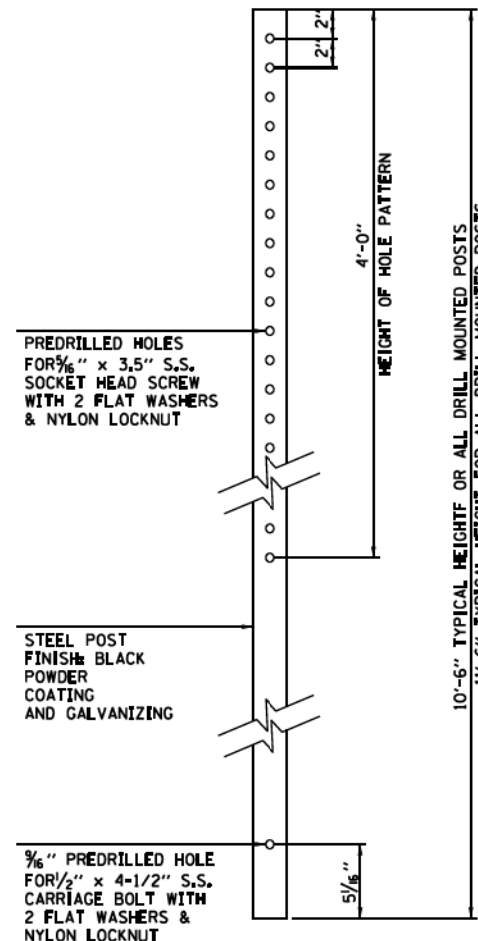
SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 8207+35 TO STA. 8219+36

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	252
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

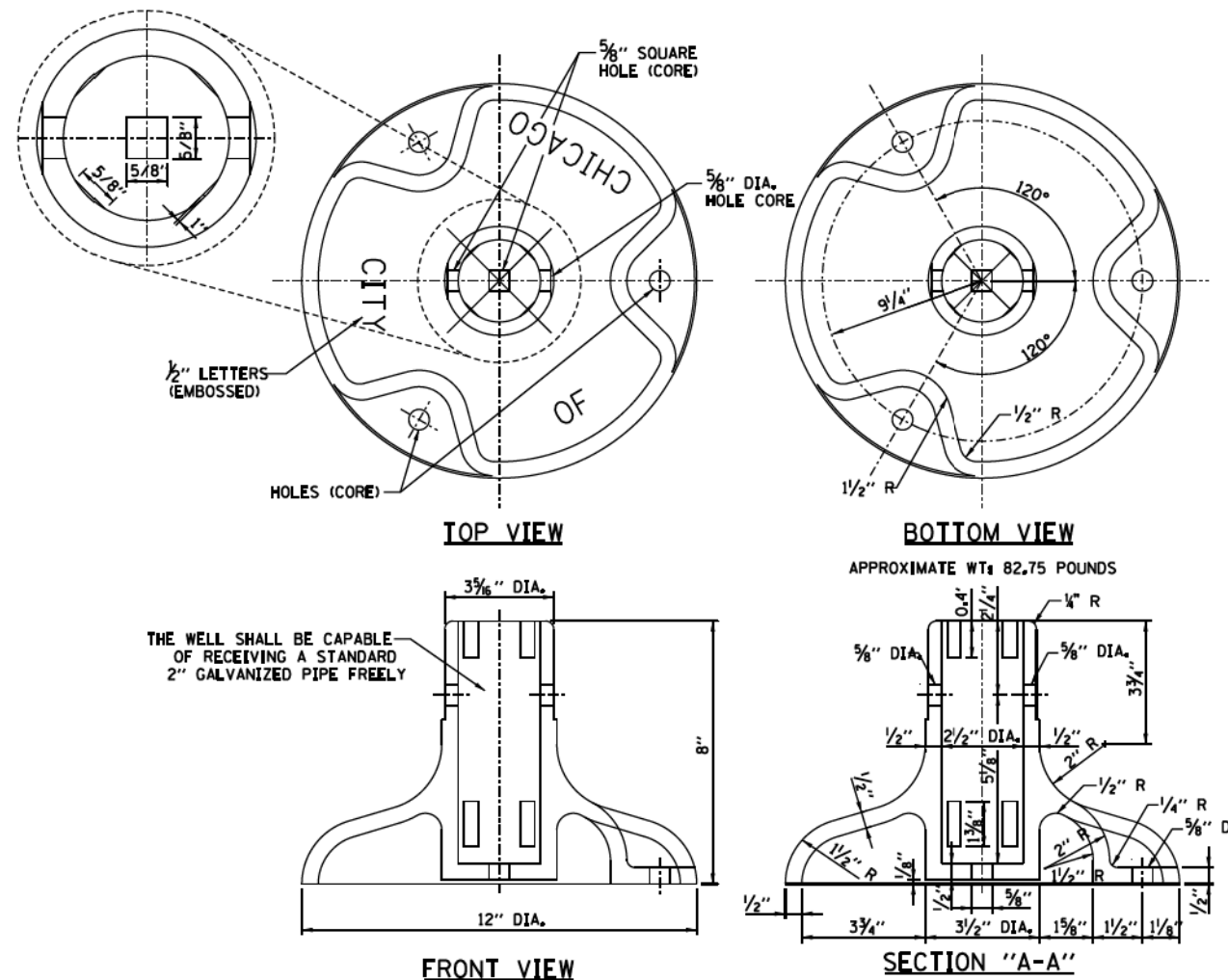
FILE PATH = p:\NECOM\N-A\NS\Leecomm\In\local\ECOM_DS02_IL\Documents\01_Americas\Transportation\60269938_Circle Phase 1\0200_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-sht-Sign-Det-01.dgn



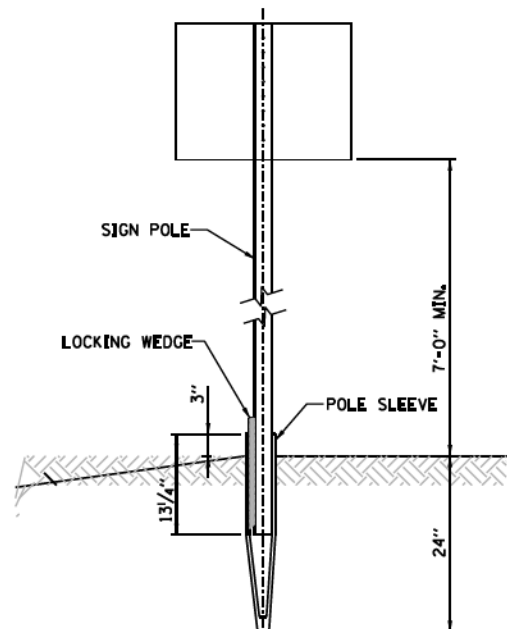
DRILL MOUNTED INSTALLATION DETAIL
NOT TO SCALE



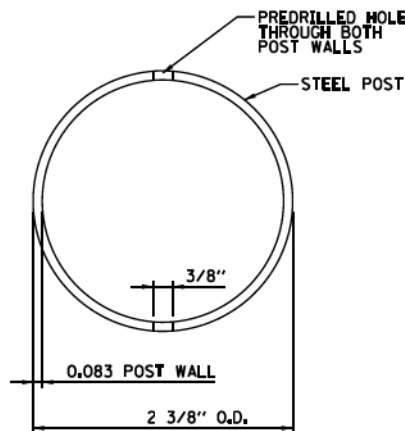
1 ELEVATION: DRILLED SIGN POST
NOT TO SCALE



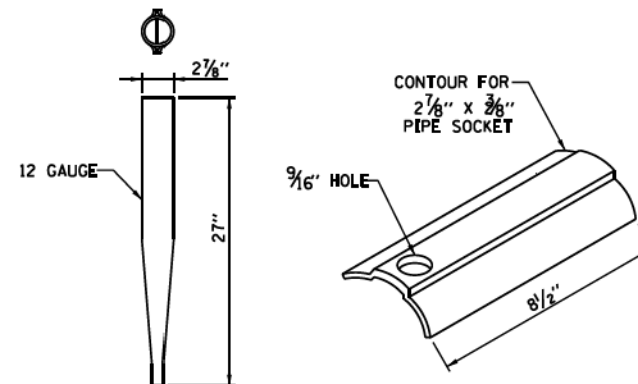
SIGN POLE BASE DETAIL
NOT TO SCALE



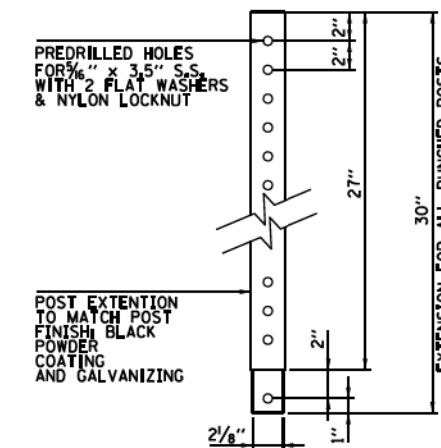
GROUND DIG INSTALLATION DETAIL
NOT TO SCALE



2 ELEVATION: DRILLED POST
NOT TO SCALE



PIPE SOCKET AND WEDGE DETAIL
NOT TO SCALE



SECTION: DRILLED POST EXTENSION
NOT TO SCALE

NOTE:
PROVIDE ADDITIONAL TWO SETS OF PREDRILLED HOLES ON EXTENSION. HOLES SHALL BE LOCATED AT 30° ANGLE TO HOLES SHOWN IN SECTION 3. HOLES SHALL ACCOMMODATE 5/8\"/>



D160X94-sht-Sign-Det-01.dgn
USER NAME = v1janachione
PLOT SCALE = 20.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - JDT
DRAWN - BAW
CHECKED - JMG
DATE - 3-13-2020

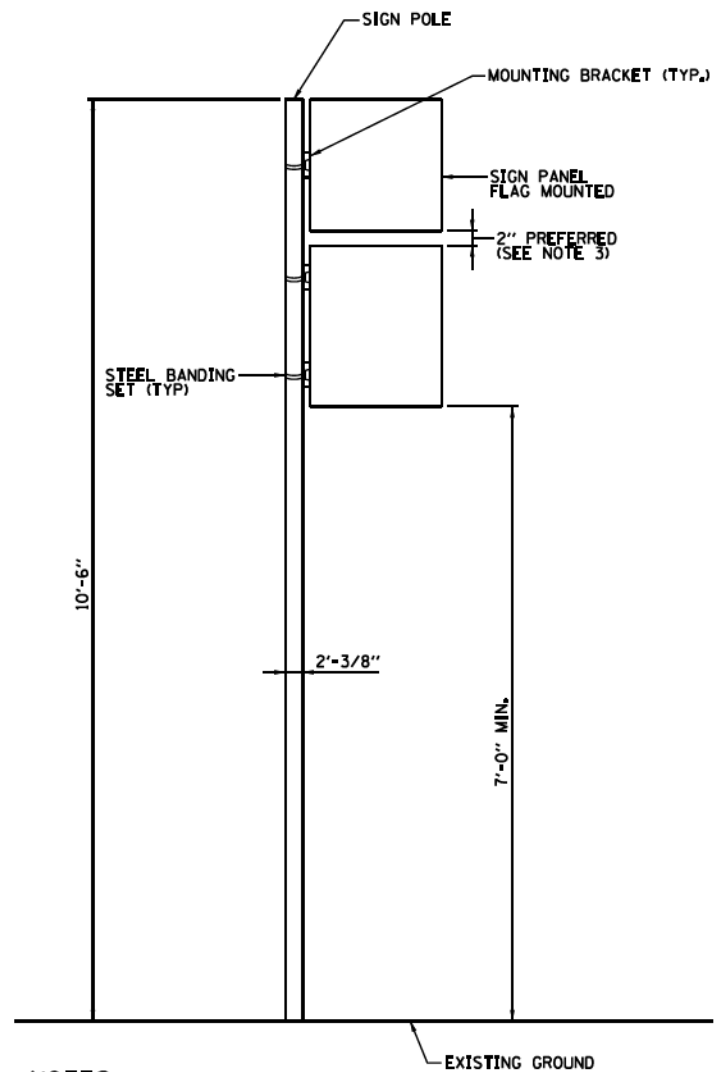
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	253
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

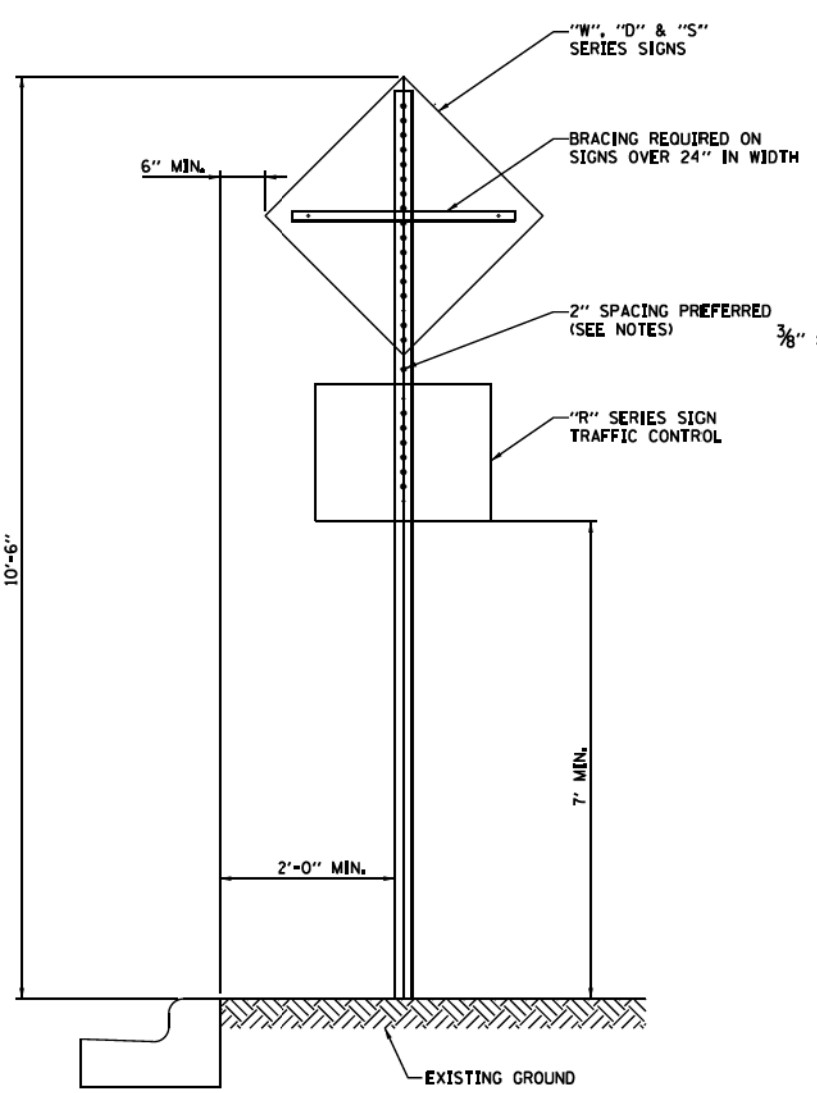
FILE PATH = p:\NREC\N-NR-NV5\electcom\local\IACOM_DS02_IL\000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-sht-Sign-Det-02.dgn



NOTES:

1. PROVIDE ONE MOUNTING BRACKET FOR SIGNS 18" AND UNDER.
2. PROVIDE TWO MOUNTING BRACKETS FOR SIGNS OVER 18".
3. REDUCE SPACING IF REQUIRED TO MAINTAIN MIN. 7'-0" CLEARANCE TO BOTTOM OF SIGN.
4. FLAG MOUNT SIGNS TOWARD SIDEWALK ALONG ARTERIAL STREETS.
5. FLAG MOUNT ALL PARKING REGULATIONS SIGNS.

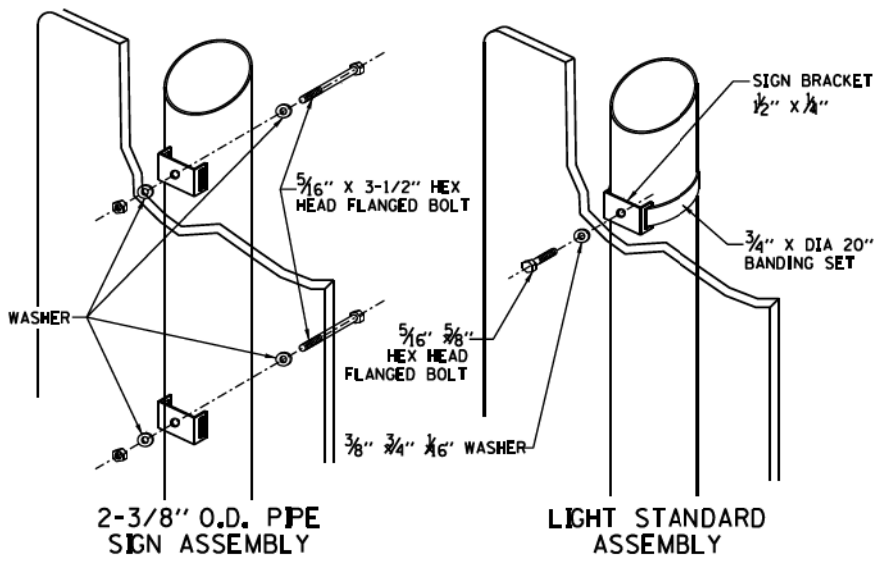
FLAG MOUNTED SIGN INSTALLATION DETAIL
NOT TO SCALE



NOTE:

2" SPACING MAY BE REDUCED IF REQUIRED TO MAINTAIN MIN. 7'-0" CLEARANCE TO BASE OF SIGN.

CENTER MOUNTED SIGN INSTALLATION
NOT TO SCALE



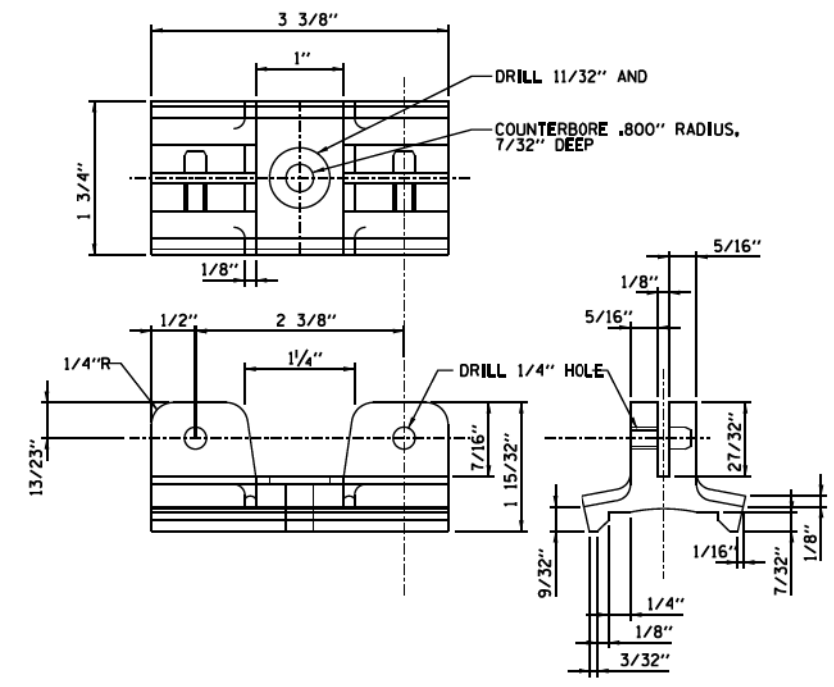
NOTE:

SIGN INSTALLATION STARTS AT 10'-6". PROVIDE MINIMUM 7'-0" CLEARANCE BETWEEN GROUND AND BOTTOM OF SIGN. RAISE INITIAL INSTALLATION HEIGHT IF REQ'D TO MAINTAIN 7' CLEAR.

REQUIREMENT

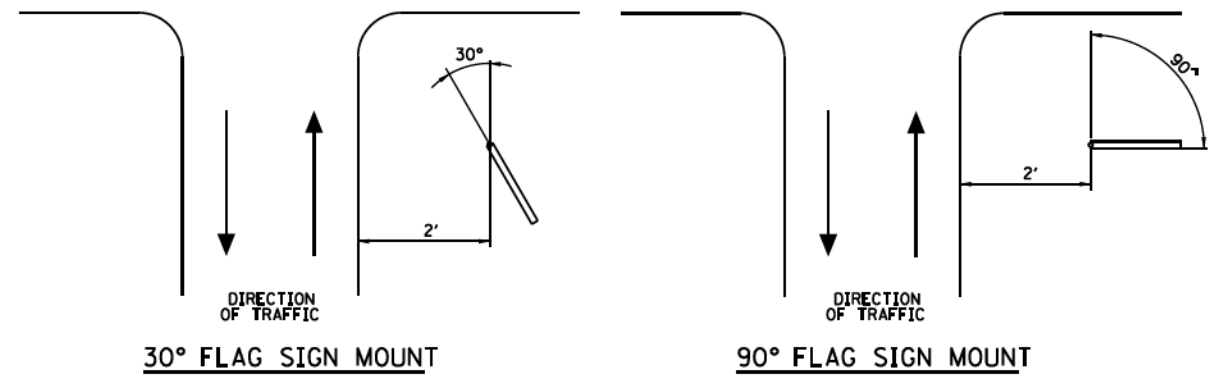
- 2 BANDS PER SIGN UNDER 6'
- 3 BANDS PER SIGN OVER 6'

CENTER MOUNTED SIGN ASSEMBLY
NOT TO SCALE



SIGN MOUNTING MATERIAL: ALUMINUM-ZINC ALLOY TENZALLOY

SIGN MOUNTING BRACKET DETAIL
NOT TO SCALE (VERSION 2A)



SIGN MOUNTING DETAILS
NOT TO SCALE



D160X94-sht-Sign-Det-02.dgn
USER NAME = v1janachione
PLOT SCALE = 20.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - JDT
DRAWN - BAW
CHECKED - JMG
DATE - 3-13-2020

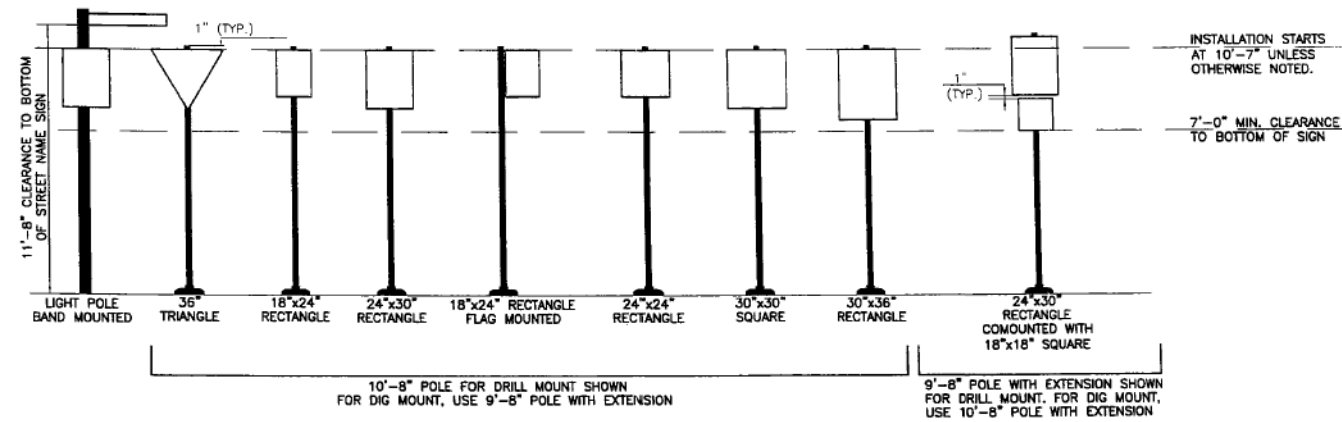
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS
SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

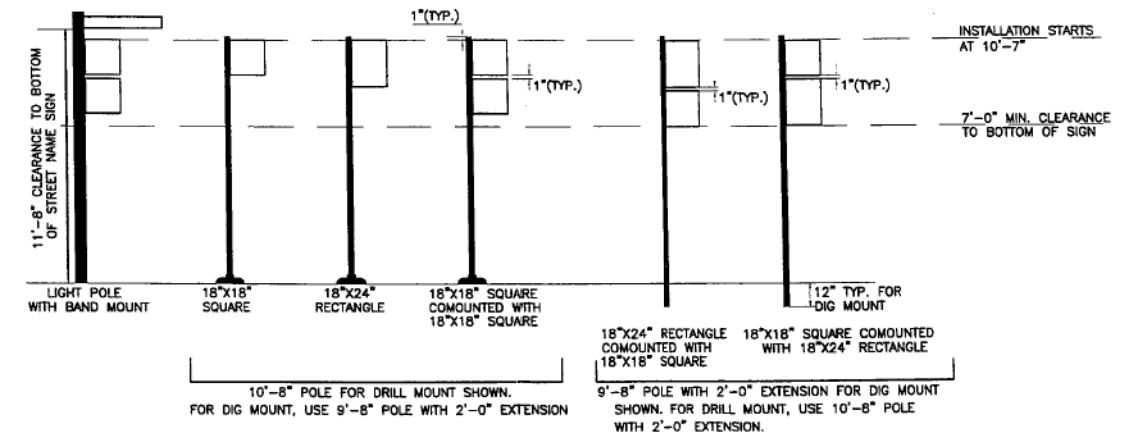
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	254
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

REGULATORY TRAFFIC SIGNS
(CHICAGO STYLE)



TYPICAL LAYOUT
NOT TO SCALE

REGULATORY PARKING SIGNS
(CHICAGO STYLE)



TYPICAL LAYOUT
NOT TO SCALE

FILE PATH = p:\NE\CDM-NR-NV5\elecmon\line\local\CDM_DS02_IL\000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-sht-Sign-Det-03.dgn



D160X94-sht-Sign-Det-03.dgn	DESIGNED - JDT	REVISED -
USER NAME = v1janachione	DRAWN - BAW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	255
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

FILE PATH = p:\na\ecdm\m-n\st\seccion\line\local\file\COM_DS02_MK Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-sht-Sign-Panel-1-Detail-01.dgn

MESSAGE:
SILKSCREENED TO MATCH: 3M SCOTCHCAL
SCREEN PRINTING INKS GERANIUM RED CF4400-011
TRANSIT FRONT FF-POSITIVE NORMAL
"XX" DENOTES THE LAST TWO DIGITS OF THE YEAR
THE PANEL WAS MANUFACTURED

SIGN FABRICATION & INSTALLATION

NO PARKING SYMBOL:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
"P"-BLACK CF4405
"CIRCLE"-GERANIUM RED CF4400-011

PANEL FINISH: WHITE POWDER COATING

PARKING RULE:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
GERANIUM RED CF4400-011

MESSAGE:
3M SCOTCHCAL GRAPHIC MARKING FILM -
GERANIUM RED 3650-63
TRANSIT FF - FRONT POSITIVE NORMAL

BAND:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
GERANIUM RED CF4400-011

MESSAGE:
KNOCKED OUT OF SILKSCREENED BAND
TRANSIT FRONT FF-NEGATIVE NORMAL

1/8" MAX BORDER

1
Layout: Sign Type R7-201-1
Scale: 2" = 1'-0"

City of Chicago
Street Information System

SECTION C2.2
REGULATORY PARKING

This layout is used to post no parking restrictions inside of a tow zone. It has been designed with a rule instead of an arrow to illustrate a no parking restriction in both directions. There is space for a one line message to convey the type of restriction posted. All panels are labeled with City of Chicago.

The portion of the layout illustrated below is to be silkscreened & stocked as a template. The vinyl message will be applied when a sign is ordered for installation.

General Specifications
Panel: .080" Aluminum
Dimensions: 18" x 18"
Corner Radius: 3/4"
Finish: White Powder Coating
Graphics: Silkscreened & Applied Vinyl

C2.2 REGULATORY PARKING

MESSAGE:
SILKSCREENED TO MATCH: 3M SCOTCHCAL
SCREEN PRINTING INKS GERANIUM RED CF4400-011
TRANSIT FRONT FF-POSITIVE NORMAL
"XX" DENOTES THE LAST TWO DIGITS OF THE YEAR
THE PANEL WAS MANUFACTURED

SIGN FABRICATION & INSTALLATION

NO PARKING SYMBOL:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
"P"-BLACK CF4405
"CIRCLE"-GERANIUM RED CF4400-011

MESSAGE:
VINYL TO MATCH 3M SCOTCHCAL GRAPHIC
MARKING FILM - GERANIUM RED 3650-63
TRANSIT FF FRONT POSITIVE NORMAL
(ONLY IF DISTANCE IS GREATER THAN 30 FT)

PARKING RULE:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
GERANIUM RED CF4400-011

PANEL FINISH: WHITE POWDER COATING

MESSAGE:
3M SCOTCHCAL GRAPHIC MARKING FILM -
GERANIUM RED 3650-63
TRANSIT FF - FRONT POSITIVE NORMAL

BAND:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
GERANIUM RED CF4400-011

MESSAGE:
KNOCKED OUT OF SILKSCREENED BAND
TRANSIT FRONT FF-NEGATIVE NORMAL

1/8" MAX BORDER

1
Layout: Sign Types
Scale: 2" = 1'-0"
R7-201-2 R7-201-7
R7-201-3 R7-201-8
R7-201-4

City of Chicago
Street Information System

SECTION C2.2
REGULATORY PARKING

This layout is used to post no parking restrictions inside of a tow zone. It has been designed with a rule instead of an arrow to illustrate a no parking restriction in both directions. There is space for a one line message to convey the type of restriction posted. All panels are labeled with City of Chicago.

The portion of the layout illustrated below is to be silkscreened & stocked as a template. The vinyl message will be applied when a sign is ordered for installation.

General Specifications
Panel: .080" Aluminum
Dimensions: 18" x 18"
Corner Radius: 3/4"
Finish: White Powder Coating
Graphics: Silkscreened & Applied Vinyl

C2.2 REGULATORY PARKING

MESSAGE:
SILKSCREENED TO MATCH: 3M SCOTCHCAL
SCREEN PRINTING INKS GERANIUM RED CF4400-011
TRANSIT FRONT FF-POSITIVE NORMAL
"XX" DENOTES THE LAST TWO DIGITS OF THE YEAR
THE PANEL WAS MANUFACTURED

SIGN FABRICATION & INSTALLATION

NO PARKING SYMBOL:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
"P"-BLACK CF4405
"CIRCLE"-GERANIUM RED CF4400-011

MESSAGE:
VINYL TO MATCH 3M SCOTCHCAL GRAPHIC
MARKING FILM - GERANIUM RED 3650-63
TRANSIT FF FRONT POSITIVE NORMAL
(ONLY IF DISTANCE IS GREATER THAN 30 FT)

PARKING ARROW:
3M SCOTCHCAL GRAPHIC MARKING FILM -
GERANIUM RED 3650-63
TRANSIT FF - FRONT POSITIVE NORMAL

PANEL FINISH: WHITE POWDER COATING

MESSAGE:
3M SCOTCHCAL GRAPHIC MARKING FILM -
GERANIUM RED 3650-63
TRANSIT FF - FRONT POSITIVE NORMAL

BAND:
SILKSCREENED TO MATCH 3M SCOTCHCAL
SCREEN PRINTING INKS
GERANIUM RED CF4400-011

MESSAGE:
KNOCKED OUT OF SILKSCREENED BAND
TRANSIT FRONT FF-NEGATIVE NORMAL

1/8" MAX BORDER

1
Layout: Sign Types
Scale: 2" = 1'-0"
R7-206-1 (R/L) R7-202-1 (R/L/D) R7-207-3 (R/L)
R7-201-2 (R/L/D) R7-207-1 (R/L) R7-207-5 (R/L)
R7-201-3 (R/L/D) R7-207-2 (R/L)

City of Chicago
Street Information System

SECTION C2.2
REGULATORY PARKING

This layout is used to post no parking restrictions inside of a tow zone. It has been designed with a rule instead of an arrow to illustrate a no parking restriction in both directions. There is space for a two line message to convey the type of restriction posted. All panels are labeled with City of Chicago.

The portion of the layout illustrated below is to be silkscreened & stocked as a template. The vinyl message will be applied when a sign is ordered for installation.

General Specifications
Panel: .080" Aluminum
Dimensions: 18" x 18"
Corner Radius: 3/4"
Finish: White Powder Coating
Graphics: Silkscreened & Applied Vinyl

C2.2 REGULATORY PARKING

PAGE C2.2 | 11

MESSAGE:
KNOCKED OUT OF SILKSCREENED BACKGROUND
TRANSIT FRONT FF-POSITIVE NORMAL
"XX" DENOTES THE LAST TWO DIGITS OF THE YEAR
THE PANEL WAS MANUFACTURED

SIGN FABRICATION & INSTALLATION

MESSAGE:
KNOCKED OUT OF SILKSCREENED BACKGROUND
TRANSIT FRONT FF-POSITIVE NORMAL
"XX" DENOTES THE LAST TWO DIGITS OF THE YEAR
THE PANEL WAS MANUFACTURED

SNOW ROUTE SYMBOL:
KNOCKED OUT OF SILKSCREENED BACKGROUND

BACKGROUND:
SILKSCREENED TO MATCH
3M SCOTCHCAL SCREEN PRINTING INKS
SAPPHIRE BLUE CF4400-016

MESSAGE:
SILKSCREENED TO MATCH 3M SCOTCHCAL SCREEN
PRINTING INKS - GERANIUM RED CF4400-011
TRANSIT FRONT FF- POSITIVE NORMAL

PANEL FINISH: WHITE POWDER COATING

BAND:
SILKSCREENED TO MATCH 3M SCOTCHCAL SCREEN
PRINTING INKS - GERANIUM RED CF4400-011

MESSAGE:
KNOCKED OUT OF SILKSCREENED BAND
TRANSIT FRONT FF- NEGATIVE NORMAL

1/8" MAX BORDER

1
Layout: Sign Type R7-210-1
Scale: 2" = 1'-0"

City of Chicago
Street Information System

SECTION C2.2
REGULATORY PARKING

This layout is used to convey the parking restrictions that apply on a snow route when a snow emergency is declared. The snowflake acts as a quick identifier for the route. All panels are labeled with City of Chicago.

General Specifications
Panel: .080" Aluminum
Dimensions: 12" x 18"
Corner Radius: 3/4"
Finish: White Powder Coating
Graphics: Silkscreened

C2.2 REGULATORY PARKING

PAGE C2.2 | 23

FILE PATH = p:\v\ecdm\m-n\51\electrical\local\ecdm\0502-15A\Documents\01-Americas\Transportation\60269938-Circle Phase-11\0200-CAD\015-Electrical\Sheets\60269938-Contract-D160X94-Sht-Light-15A.dgn

PROPOSED	PRESENT	DESCRIPTION	PROPOSED	PRESENT	DESCRIPTION
		SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED			MANHOLE, 3'x4'x4' 24" F & C (DWG.#730) (A) 30" F & C (DWG#729) (B)C.M.H. LUMINAIRES
		SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED			MANHOLE, 4'x6'x6' 24" F & C (DWG.#732) (C) 30" F & C (DWG#733) (D) PROPOSED PRESENT
		SIGNAL OPTICALLY PROGRAMMED			HANDHOLE, HEAVY DUTY, 36" I.D. (DWG.#866) 24" F & C (E). (DWG#871) 30" F & C (F)
		SIGNAL, PEDESTRIAN, COUNTDOWN			HANDHOLE, CIRCULAR WITH 24"FRAME & COVER,30" I.D. (#867) (G)
		SIGNAL, PEDESTRIAN, DON'T WALK/WALK			FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C..20"x5' (DWG. #709)
		SIGNAL FACE ARROW, 12" COLOR AS NOTED			FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
		SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION			FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)
		PUSH BUTTON, PEDESTRIAN			FOUNDATION,CONTROLLER STREET LIGHT ,SPECIAL, 100A & 200A. (DWG.#876 & # 880)
		SIGN,ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED			FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
		MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)			CONTROLLER,UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
		MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED			MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL.BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=CHGO PARK DISTRICT; CTA=C.T.A; S= SEWER
		CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED			JUNCTION BOX, IN PAVEMENT (DWG. #815)
		CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)			DETECTOR LOOP IN PAVEMENT
		CONTROLLER,STREET LIGHTING. POLE MOUNTED (DWG. #11940)			CONDUIT or P.V.C., NUMBER,SIZE & TYPE. (AS NOTED)
		POLE, WOOD. COMMONWEALTH EDISON COMPANY, SERVICE			CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED)
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 7 GA. 10" DI A. AND 15" B.C. 24"x7' FND. W/ 1 1/4" ANCHOR RODS DRG. #818.			LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"x9' FND. W/ 1 1/4" ANCHOR RODS DRG. #818 (16',20'or 26'M.A.)			LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF
		POLE, CITY STEEL, ANCHOR BASE, 34"-6", 3GA., 11" DIA. AND 17 1/4" B.C. 30"x9' FND. W/ 1 1/4" ANCHOR RODS DRG. #816. (30' M.A.)			LUMINAIRE, H.P.S.V. 310W LAMP, 240V
		POLE, CITY STEEL, ANCHOR BASE 34'-6", 3 GA. 12 1/2" DIA. AND 16 1/2" B.C. 30"x11' FND. W/ 1 1/2" ANCHOR RODS DRG.#817. (35',40'or 44' M.A.)			LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17 1/4" B.C. ON 30"x9' FND. W/ 1 1/4" ANCHOR RODS DRG. #816.			LUMINAIRE, H.P.S.V. 150W LAMP, 240V
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6", 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/ 10" D. B.C. AND 1" ANCHOR RODS DRG. #716.			LUMINAIRE, H.P.S.V. 150W LAMP, 120V
		POLE,CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/ 10" D. B.C. AND 1" ANCHOR RODS DWG.#719.			LUMINAIRE, H.P.S.V. 250W LAMP, 120V. (ALLEY LIGHT)
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6", 29'-6" 7 GA., AND ALUMINUM RESIDENTIAL DAVIT,AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG#565 (CONCRETE) OR DWG.#936 (HELIX).			LUMINAIRE, H.P.S.V. 250W LAMP, 120V
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6" 3 GA.,AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #565 (CONCRETE) OR DWG.#936 (HELIX).			TERMINAL, CABINET F.A. & P.C.
		POLE , CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.			FIRE ALARM BOX, MOUNTED
		POLE, CITY STEEL, ANCHR BASE, 32'-6", 3 GA., AND FND. WITH 11 1/2" B.C. AND 1" ANCHOR RODS DWG. #753.			FIRE ALARM BOX, POLE MOUNTED
		POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., ALUM. BHB AND FND. WITH 15" B.C.-24"x7' WITH 1" ANCHOR RODS DRG. #691.			CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"x 7" WITH 1" ANCHOR RODS DWG. #691.			CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C- #4, 600 V. EPR. IN CONDUIT
		POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND. WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.			CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 7 GA., TAPERED TUBULAR. (DWG. #658)			CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V. EPR IN CONDUIT
		POLE, CITY STEEL, EMBEDDED, 4"x 9"x 35' 3 GA., TAPERED TUBULAR. (DWG. #658)			CABLE, TRAFFIC SIGNAL, 10/C-#12 600V. EPR IN CONDUIT
		POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)			CABLE, TRAFFIC SIGNAL, 14/C-#14, 600V. EPR IN CONDUIT
		COLUMN,ELEVATED STRUCTURE			CABLE, TRAFFIC SIGNAL, 19/C-#12 600V. EPR IN CONDUIT
		POLE, WOOD. (SIZE AS NOTED)			CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
		POLE, FOUNDATION WITH ELBOWS AS INDICATED.(SIZE AS NOTED)			CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
		POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS			CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED, IN CONDUIT
		RESIDENTIAL STREET LIGHTING CONTROLLER			CABLE, STREET LIGHT, 3 1/C-#1/0, or #2/0, or #4, 600V. EPR IN CONDUIT
					WIRE, STREET LIGHT, 2 1/C-#6, HDNS. AERIAL
					WIRE, STREET LIGHT, 2 1/C-#6 & 1 1/C #8, HDNS. AERIAL
					CABLE, STREET LIGHT AERIAL, 3 1/C-#4 or #2 SELF SUPPORTING, 600V EPR
					WIRE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY
					CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
					CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)
					CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)
					DOWNLIGHT ASSEMBLY. (DWG. #850)
					LIGHT, TRAFFIC SAFETY ISLAND
					FLASHING BEACON & DOWNLIGHT

H.P.S.V. ORNAMENTAL LUMINAIRES		PROPOSED	PRESENT	DESCRIPTION
				310W PENDANT (240V)
				400W PENDANT (240V)
				250W PENDANT (240V)
				150W ACORN (120V)
				150W ACORN (240V)
				50W ACORN (240V)
				100W ACORN (240V)
				150W GLOBE (240V)
				100W GLOBE (240V)
				50W GLOBE (240V)

L.E.D. LUMINAIRES		PROPOSED	PRESENT	DESCRIPTION
				(400W HPSV EQUIVALENT), 240V
				(100W HPSV EQUIVALENT), 240V, ACORN
				(310W HPSV EQUIVALENT), 240V
				(100/150W HPSV EQUIVALENT), 240V ACORN
				(250W HPSV EQUIVALENT), 240V
				(50W HPSV EQUIVALENT), 240V, ACORN

DATE	REVISION
F 01-08-14	ADDED LED LUMINAIRES A.MEU
E 09-19-13	ADDED CMH LUMINAIRES A.MEU
D 02-06-04	REVISED/REDRAW R.POOL/B.I.
C 04-01-02	REVISED/REDRAW R.POOL/B.I.
B 12-4-01	ADDED ORNAMENTAL SYMBOLS
A 8-6-96	REDRAWN

SUPERSEDES DWG. *	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT { MATERIAL _____	LABOR _____

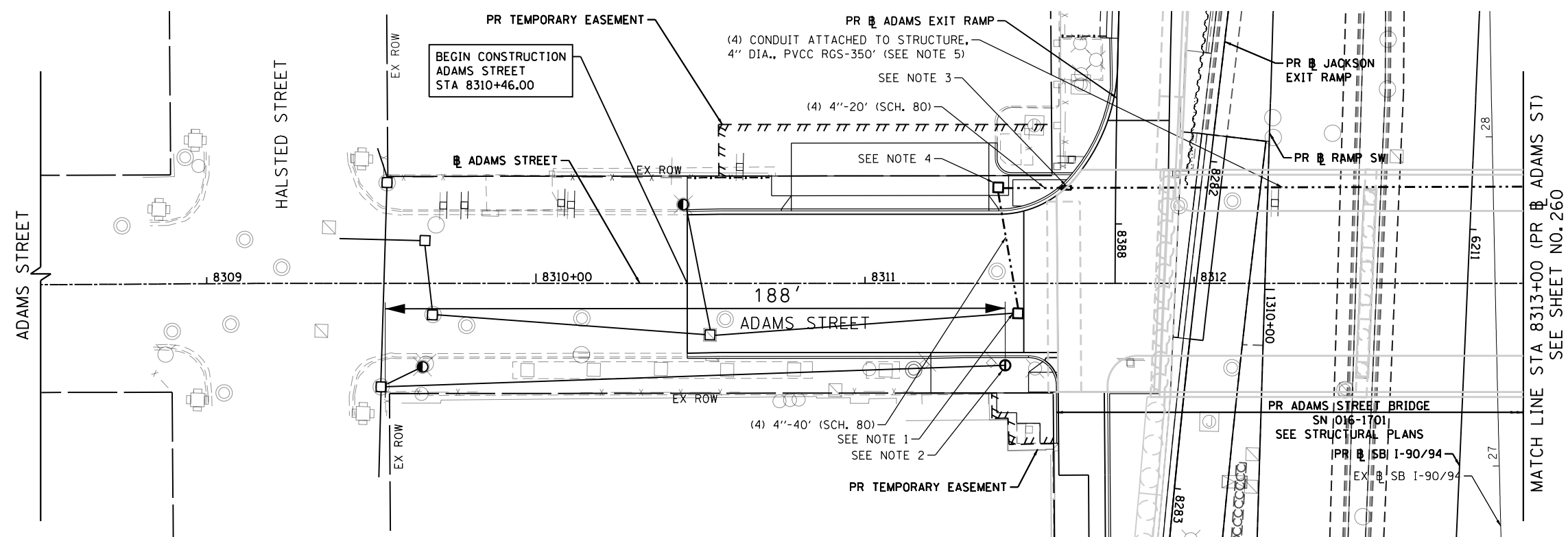
STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING	
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ENGINEERING ELECTRICAL SECTION	
DRAFTSMAN R. IVY	CHIEF DRAFTSMAN R. CARTER
SUPERVISING ENGINEER	ENGINEER R. POOL/R.C/W.T.
ENGINEER OF ELECTRICITY:	DWG. NO.
GEN'L SUPT. OF CONSTRUCTION:	826
DEPUTY COMMISSIONER:	
SIZE: 22" x 36"	SCALE: NONE
DATE: 09-19-13	

UNDERGROUND CONSTRUCTION NOTES:

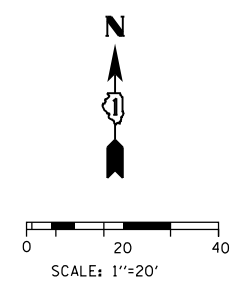
1. INTERCEPT EXISTING CONDUIT AND INSTALL 3'X4'X4' MANHOLE WITH 30" FRAME AND COVER.
2. INTERCEPT EXISTING CONDUIT AND INSTALL 7' HELIX FOUNDATION, 3' OFF FACE OF CURB (SEE SHEET LTC-14 FOR DETAIL).
3. INSTALL EXPANSION/DEFLECTION COUPLING.
4. INSTALL 3'X4'X4' MANHOLE WITH 30" FRAME AND COVER.
5. SEE SHEET E-14 FOR CONDUIT HANGER DETAILS.

LEGEND:

- ⊙ PROPOSED HELIX FOUNDATION
- PROPOSED CONDUIT SIZE AND TYPE AS NOTED ON PLANS
- PROPOSED MANHOLE
- ▭ PROPOSED EXPANSION/DEFLECTION COUPLING
- ⊙ EXISTING FOUNDATION TO REMAIN
- EXISTING CONDUIT TO REMAIN
- EXISTING MANHOLE TO REMAIN



FOUNDATION AND CONDUIT PLAN



FILE PATH = p:\na\ecdm\NA-NV5\elecmon\line\local\AECOM_D502-NA-Document\01_Americas\Transportation\60269938_Circle_Phase_1\1000_CAD\06E_Electrical\Sheets\60X94_Contract\1000-Light-15B.dgn



D160X94-Sht-Light-15B.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

DESIGNED - NRJ	REVISED -
DRAWN - NRJ	REVISED -
CHECKED - MKR	REVISED -
DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
ADAMS STREET

SCALE: 1"=20' SHEET 2 OF 16 SHEETS STA. 8308+00 TO STA. 8313+00








F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	259
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

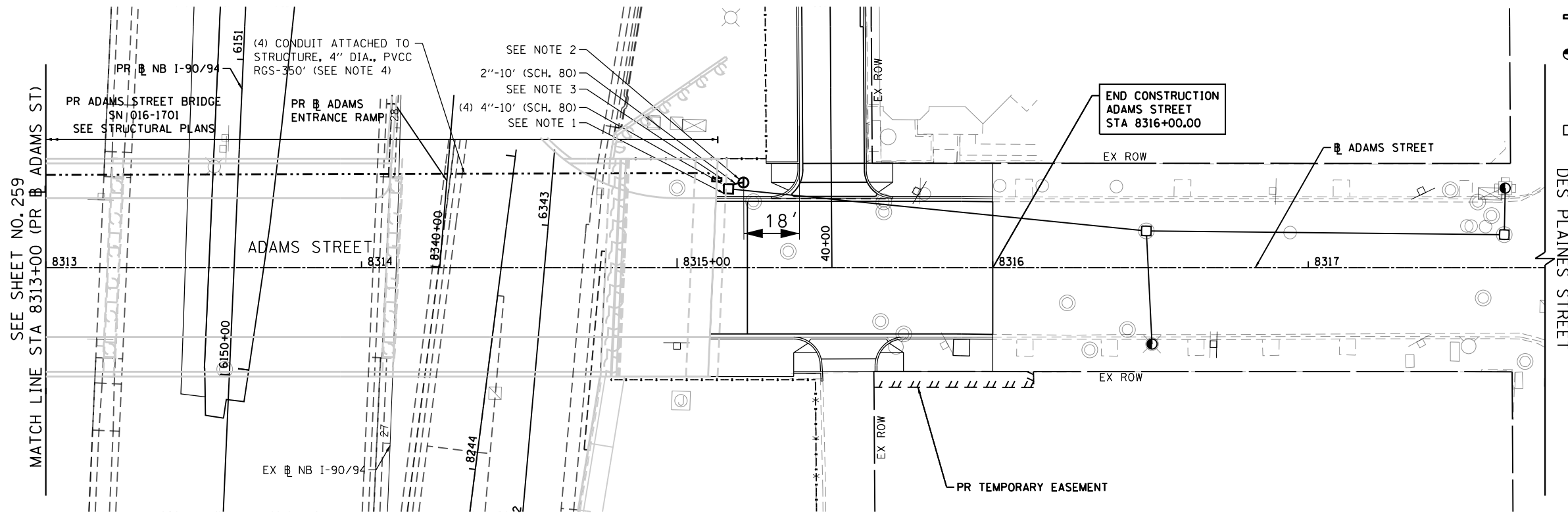
LTC-02

UNDERGROUND CONSTRUCTION NOTES:

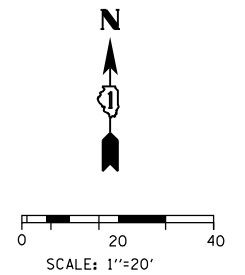
1. INTERCEPT EXISTING CONDUIT AND INSTALL 3'x4'x4' MANHOLE WITH 30" FRAME AND COVER.
2. INTERCEPT EXISTING CONDUIT AND INSTALL 7' HELIX FOUNDATION, 3' OFF FACE OF CURB (SEE SHEET LTC-14 FOR DETAIL).
3. INSTALL EXPANSION/DEFLECTION COUPLING.
4. SEE SHEET E-14 FOR CONDUIT HANGER DETAILS.

LEGEND:

-  PROPOSED HELIX FOUNDATION
-  PROPOSED CONDUIT SIZE AND TYPE AS NOTED ON PLANS
-  PROPOSED MANHOLE
-  PROPOSED EXPANSION/DEFLECTION COUPLING
-  EXISTING FOUNDATION TO REMAIN
-  EXISTING CONDUIT TO REMAIN
-  EXISTING MANHOLE TO REMAIN



FOUNDATION AND CONDUIT PLAN



LTC-03

FILE PATH = p:\na\ecdm\na-n\51\elecmon\line\local\elecmon\0502-na\documents\01-america\transportation\60269938-circle\phase-1\0200-cad\06-electrical\sheets\60x94-sht-light-16.dgn



D160X94-Sht-Light-16.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY LIGHTING PLAN ADAMS STREET	
SCALE: 1"=20'	SHEET 3 OF 16 SHEETS STA. 8313+00 TO STA. 8318+00

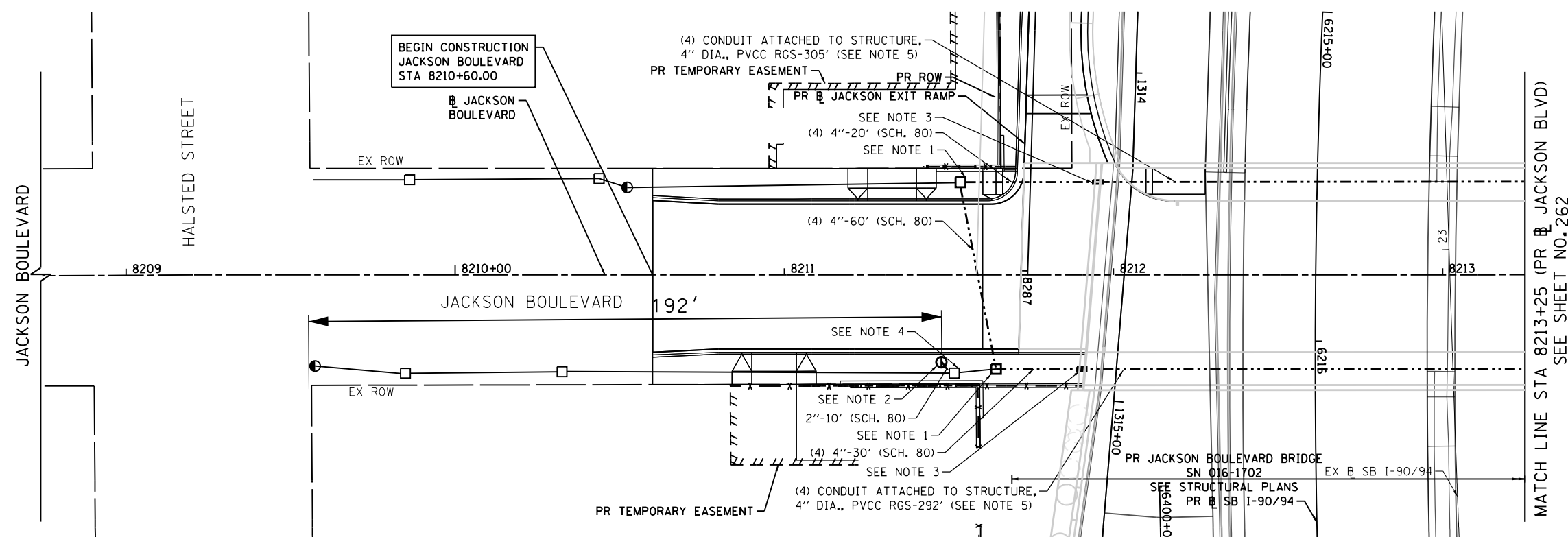
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	260
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

UNDERGROUND CONSTRUCTION NOTES:

1. INTERCEPT EXISTING CONDUITS AND INSTALL 3'X4'X4' MANHOLE WITH 30" FRAME AND COVER.
2. INSTALL 7' HELIX FOUNDATION, 3' OFF FACE OF CURB (SEE SHEET LTC-14 FOR DETAIL).
3. INSTALL EXPANSION/DEFLECTION COUPLING.
4. ADJUST FRAME AND LID TO GRADE.
5. SEE SHEET E-14 FOR CONDUIT HANGER DETAILS.

LEGEND:

- PROPOSED HELIX FOUNDATION
- PROPOSED CONDUIT SIZE AND TYPE AS NOTED ON PLANS
- PROPOSED MANHOLE
- ▣ PROPOSED EXPANSION/DEFLECTION COUPLING
- EXISTING FOUNDATION TO REMAIN
- EXISTING CONDUIT TO REMAIN
- EXISTING MANHOLE TO REMAIN



FOUNDATION AND CONDUIT PLAN

LTC-04

FILE PATH = p:\na\ecdm\NA-NVSI\electrom\line\local\IACOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\1000_CAD\01E_Electrical\Sheets\62678_Contract\0162678-Sht-Light-11.dgn



D162678-Sht-Light-11.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
JACKSON BOULEVARD

SCALE: 1"=20' SHEET 4 OF 16 SHEETS STA. 8308+00 TO STA. 8313+00

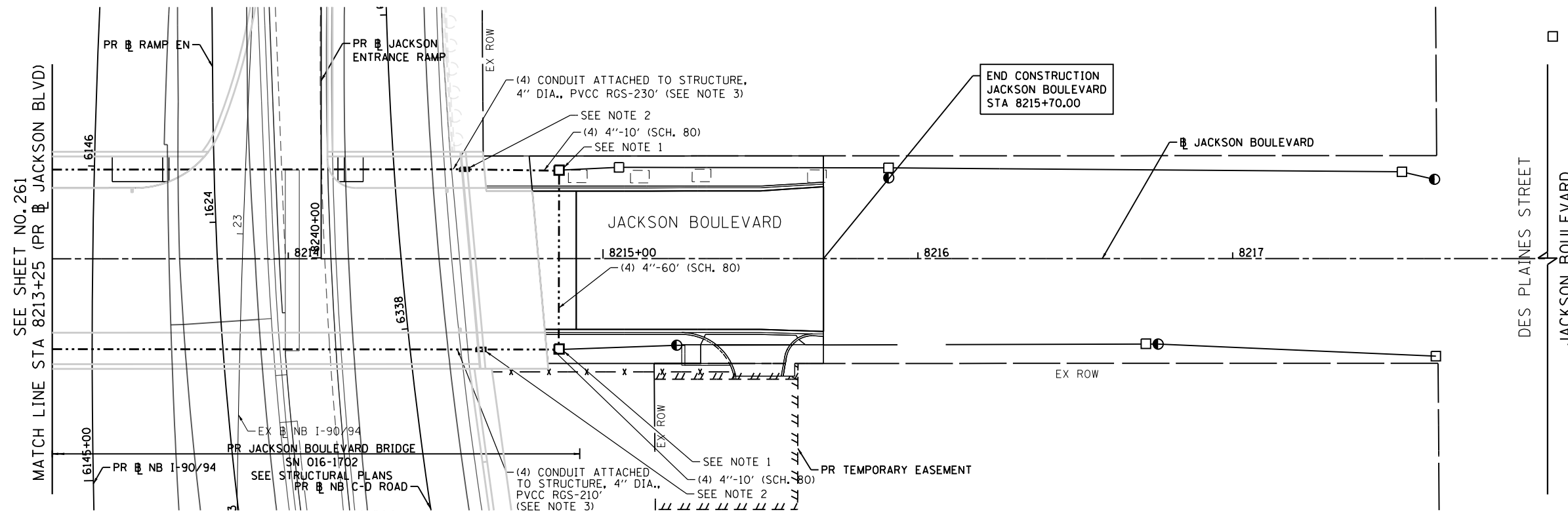
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	261
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

UNDERGROUND CONSTRUCTION NOTES:

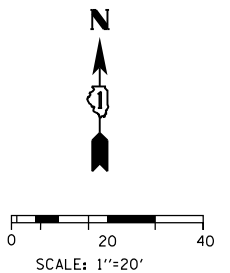
1. INTERCEPT EXISTING CONDUITS AND INSTALL 3'X4'X4' MANHOLE WITH 30" FRAME AND COVER.
2. INSTALL EXPANSION/DEFLECTION COUPLING.
3. SEE SHEET E-14 FOR CONDUIT HANGER DETAILS.

LEGEND:

- PROPOSED CONDUIT SIZE AND TYPE AS NOTED ON PLANS
- PROPOSED MANHOLE
- ▭ PROPOSED EXPANSION/DEFLECTION COUPLING
- EXISTING FOUNDATION TO REMAIN
- EXISTING CONDUIT TO REMAIN
- EXISTING MANHOLE TO REMAIN



FOUNDATION AND CONDUIT PLAN



LTC-05

FILE PATH = p:\na\ecdm\NA-AWS\electcom\line\local\AECOM_D502_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\000_CAD\06_Electrical\Sheets\62678_Contract\0162678-Sht-Light-12.dgn

<p>411 South Wells Street Suite 1000 Chicago, Illinois 60607</p>	D162678-Sht-Light-12.dgn USER NAME = njones PLOT SCALE = 40.0000' / in. PLOT DATE = 3/5/2020	DESIGNED - NRJ DRAWN - NRJ CHECKED - MKR DATE - 3-13-2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY LIGHTING PLAN JACKSON BOULEVARD		F.A.I. RTE. = 90/94/290 SECTION = 2014-15R&B-R COUNTY = COOK TOTAL SHEETS = 825 SHEET NO. = 262 CONTRACT NO. 60X94	ILLINOIS FED. AID PROJECT
	SCALE: 1"=20' SHEET 5 OF 16 SHEETS STA. 8213+25 TO STA. 8217+75							

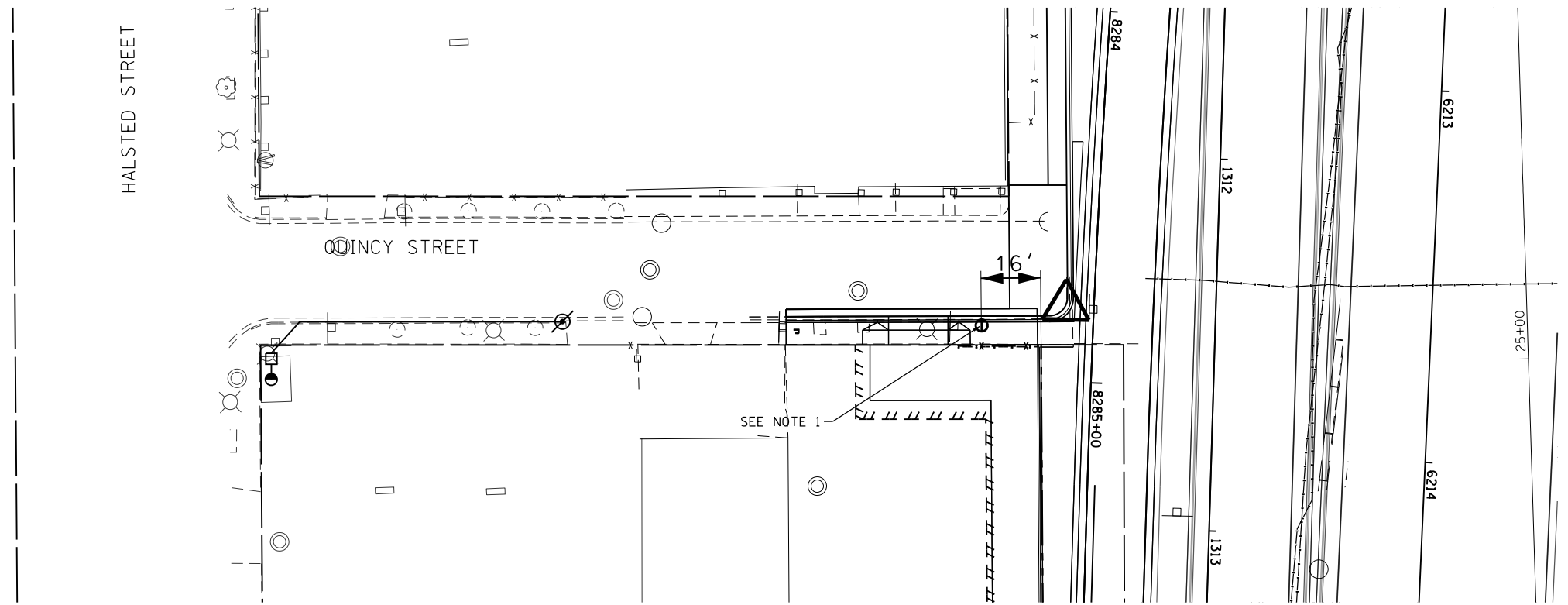
FILE PATH = p:\na\ecdm\NA-NVSI\elecmon\line\local\ECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle_Phase_1\1000_CAD\06E_Electrical\Sheets\62678_Contract\0162678-Sht-Light-13.dgn

UNDERGROUND CONSTRUCTION NOTES:

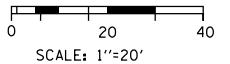
- 1. INSTALL 7' HELIX FOUNDATION, 3' OFF FACE OF CURB (SEE SHEET LTC-14 FOR DETAIL).

LEGEND:

- ⊙ PROPOSED HELIX FOUNDATION
- ⊗ EXISTING EMBEDDED POLE
- EXISTING FOUNDATION TO REMAIN
- EXISTING CONDUIT TO REMAIN
- EXISTING MANHOLE TO REMAIN



FOUNDATION AND CONDUIT PLAN



LTC-06



DI62678-Sht-Light-13.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

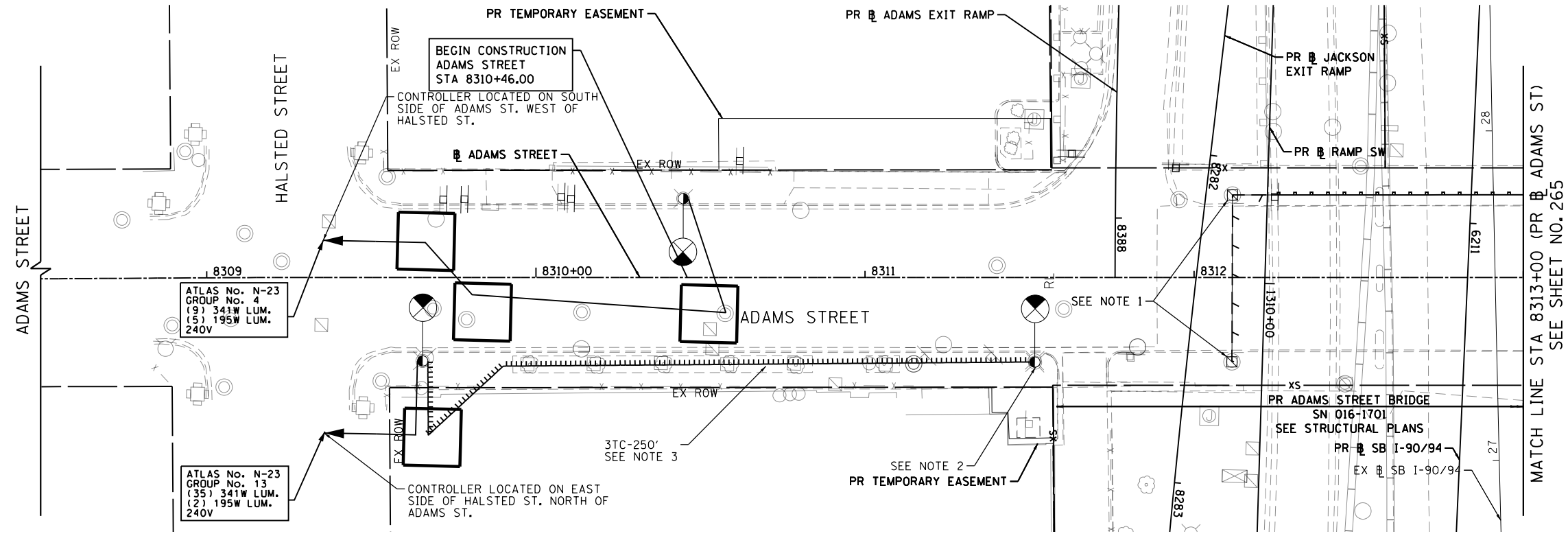
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
QUINCY STREET

SCALE: 1"=20' SHEET 6 OF 16 SHEETS STA. 8308+00 TO STA. 8313+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	263
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\na\ecdm\na-ansi\elecmon\line\local\elecmon\0502-na\Documents\01-Americas\Transportation\60269938-Circle\Phase-1\1000-CAD\06-Electrical\Sheets\60x94-Sht-Light-17.dgn



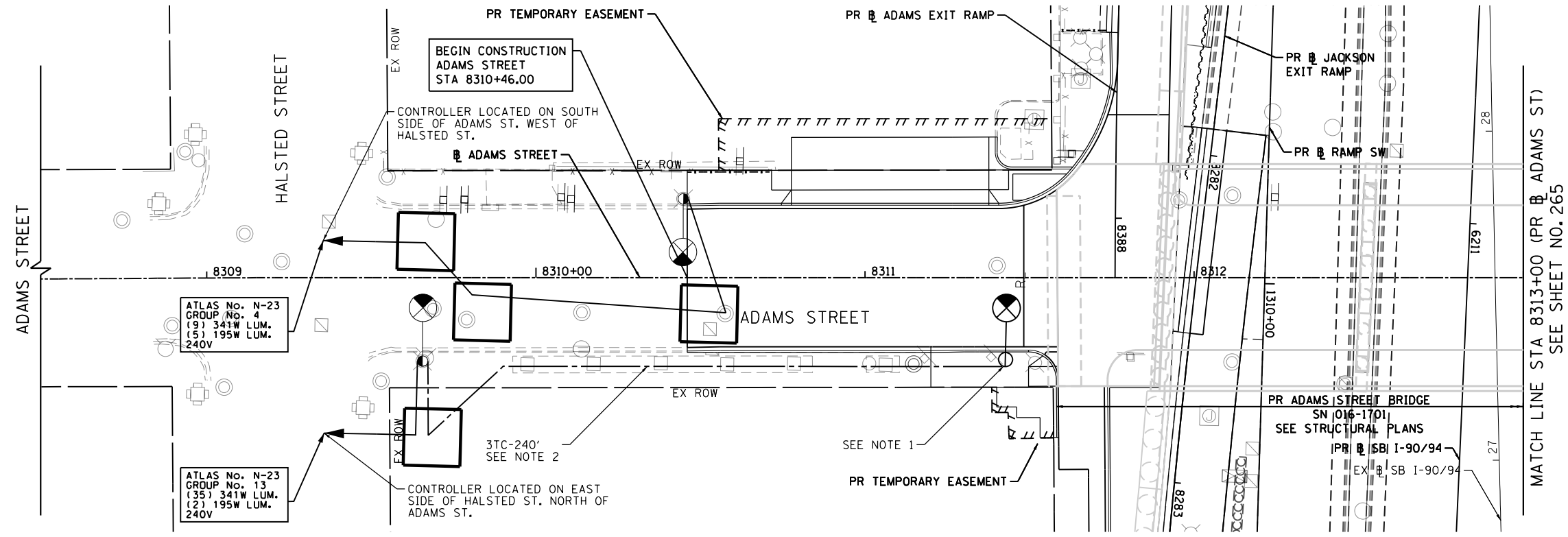
REMOVAL PLAN

REMOVAL NOTES:

1. REMOVE MANHOLE.
2. POLE, MAST ARM WITH LUMINAIRE TO BE RELOCATED. BREAKDOWN FOUNDATION.
3. REMOVE EXISTING 3TC (2-1/C*6 & 1-1/C*8) ELECTRIC CABLE FROM CONDUIT.

LEGEND:

- POLE TO BE RELOCATED
- EXISTING POLE TO REMAIN
- MANHOLE TO BE REMOVED
- EXISTING CABLE TO REMAIN
- EXISTING BURIED CONDUIT TO BE REMOVED
- EXISTING CONDUIT ATTACHED TO STRUCTURE TO BE REMOVED
- EXISTING CABLE TO BE REMOVED
- EXISTING MANHOLE TO REMAIN



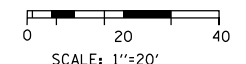
INSTALLATION PLAN

INSTALLATION NOTES:

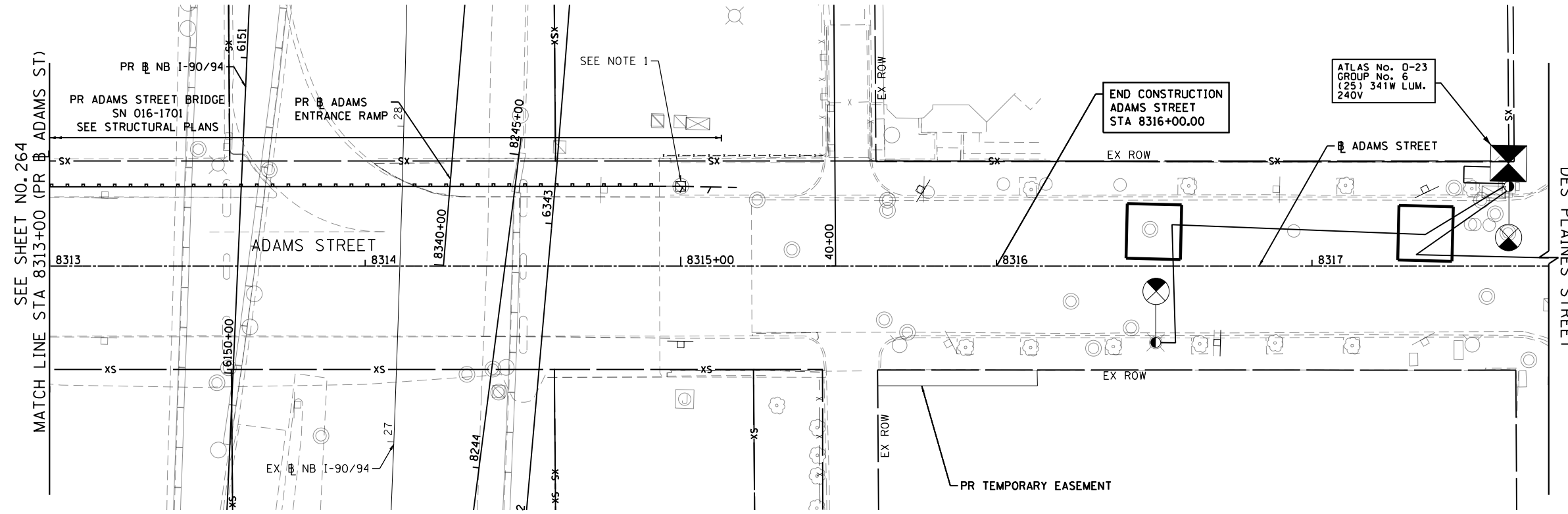
1. INSTALL POLE, MAST ARM WITH LUMINAIRE ON PROPOSED FOUNDATION.
2. INSTALL 3TC (2-1/C*6 & 1-1/C*8) ELECTRIC CABLE IN CONDUIT.

LEGEND:

- RELOCATED POLE
- PROPOSED CONDUIT OR CABLE, SIZE AND TYPE AS NOTED ON PLANS
- EXISTING POLE TO REMAIN
- EXISTING CABLE TO REMAIN
- EXISTING MANHOLE TO REMAIN



FILE PATH = p:\na\ecdm\m-nw\sl\ecdm\l\local\l\ecdm\0502\NA Documents\01 America's Transportation\60269938 Circle Phase II\000 CAD\01E Electrical\Sheets\60x94_Sht-Light-18.dgn



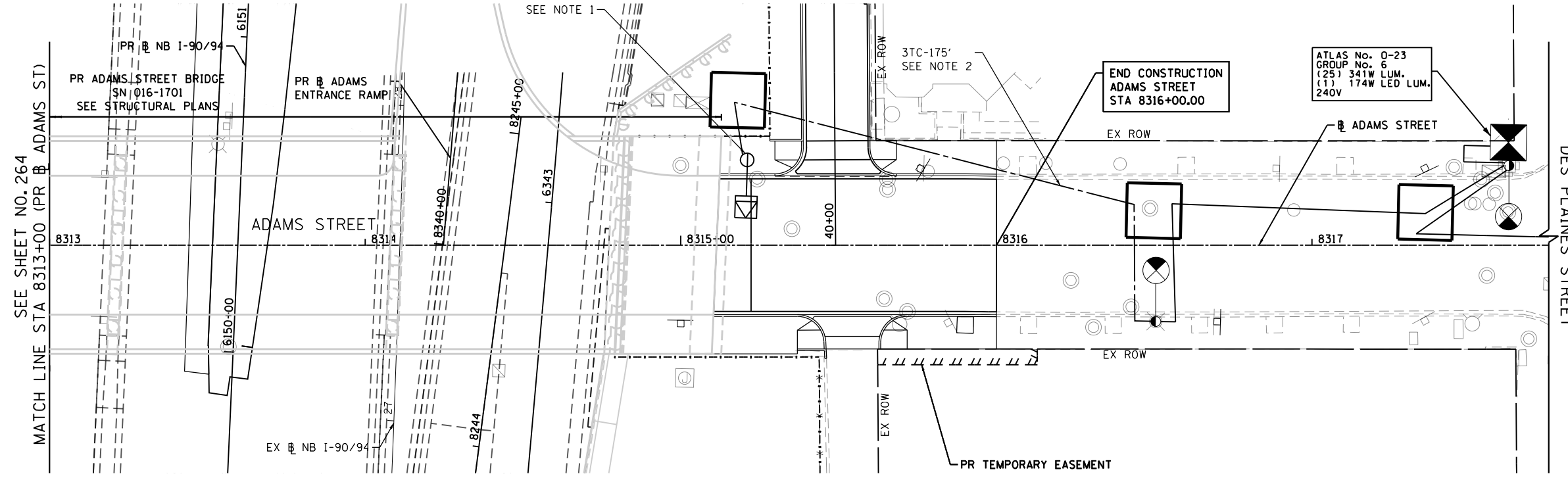
REMOVAL PLAN

REMOVAL NOTES:

1. REMOVE MANHOLE

LEGEND:

- EXISTING POLE TO REMAIN
- MANHOLE TO BE REMOVED
- EXISTING CABLE TO REMAIN
- EXISTING BURIED CONDUIT TO BE REMOVED
- EXISTING CONDUIT ATTACHED TO STRUCTURE TO BE REMOVED
- EXISTING CONTROLLER TO REMAIN
- EXISTING MANHOLE TO REMAIN



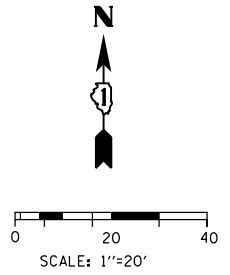
INSTALLATION PLAN

INSTALLATION NOTES:

1. INSTALL PROPOSED POLE ON HELIX FOUNDATION
2. INSTALL 3TC (2-1/2" C*6 & 1-1/2" C*8) ELECTRIC CABLE IN CONDUIT

LEGEND:

- PROPOSED 34.5' POLE, 8' MAST ARM, LED LUMINAIRE
- PROPOSED CONDUIT OR CABLE, SIZE AND TYPE AS NOTED ON PLANS
- EXISTING POLE TO REMAIN
- EXISTING CABLE TO REMAIN
- EXISTING CONTROLLER TO REMAIN
- EXISTING MANHOLE TO REMAIN



LTC-08

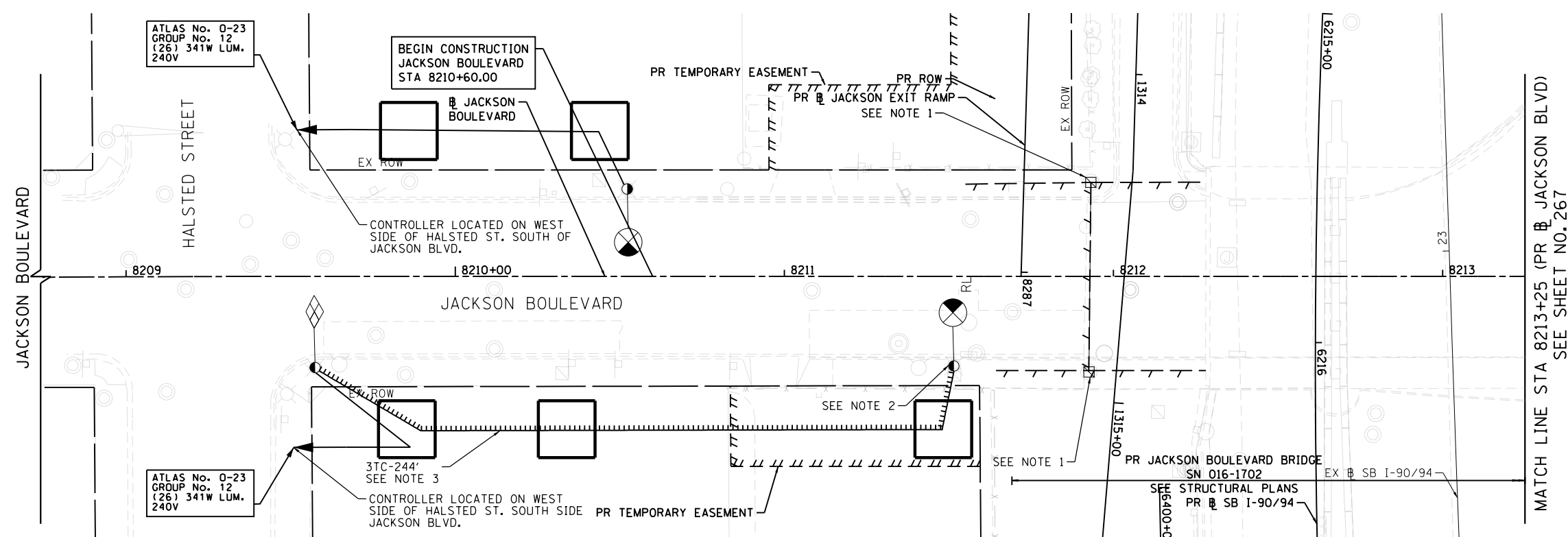


D:\60x94-Sht-Light-18.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

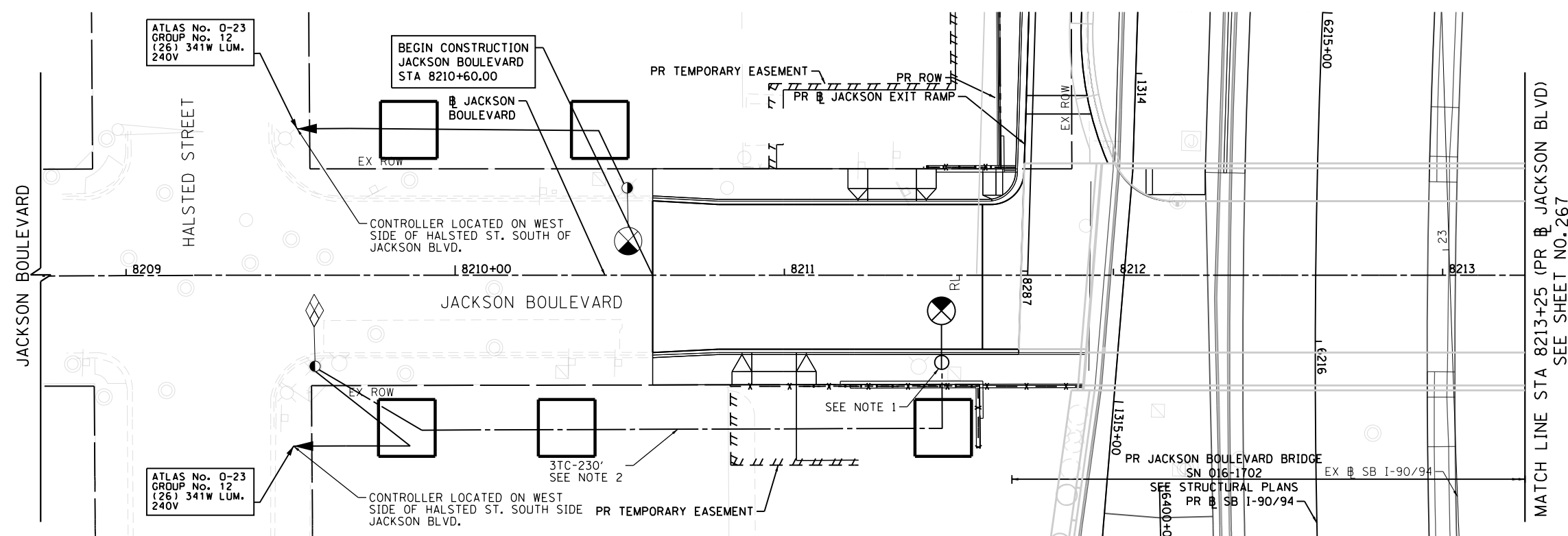
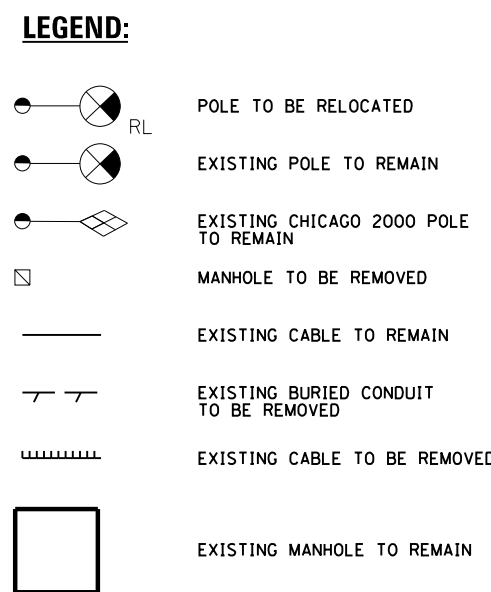
ROADWAY LIGHTING PLAN			
ADAMS STREET			
SCALE: 1"=20'	SHEET 8	OF 16 SHEETS	STA. 8313+00 TO STA. 8318+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	265
CONTRACT NO. 60X94				ILLINOIS FED. AID PROJECT



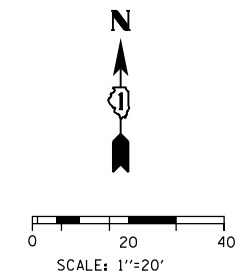
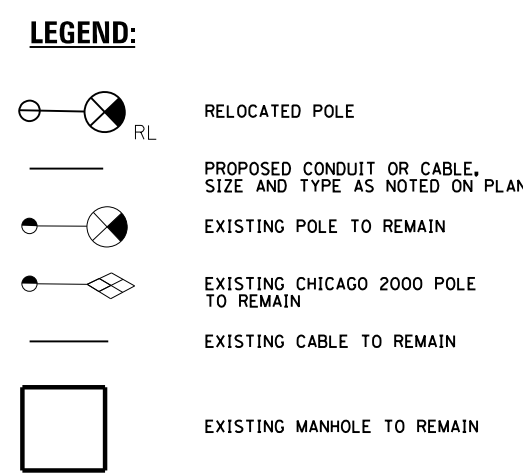
REMOVAL PLAN

- REMOVAL NOTES:**
1. REMOVE MANHOLE.
 2. POLE, MAST ARM WITH LUMINAIRE TO BE RELOCATED AND BREAKDOWN FOUNDATION.
 3. REMOVE EXISTING 3TC (2-1/C*6 & 1-1/C*8) ELECTRIC CABLE FROM CONDUIT.



INSTALLATION PLAN

- INSTALLATION NOTES:**
1. INSTALL POLE, MAST ARM WITH LUMINAIRE ON PROPOSED FOUNDATION.
 2. INSTALL 3TC (2-1/C*6 & 1-1/C*8) ELECTRIC CABLE IN CONDUIT.



LTC-09

FILE PATH = p:\na\ecdm\m-n\51\elecmon\line\local\elecmon\0502\NA\Documents\01_Americas\Transportation\60269938_Circle\Phase\1\000_CAD\06E_Electrical\Sheets\62678_Contract\0162678-Sht-Light-14.dgn

TranSmart/EJM
411 South Wells Street Suite 1000
Chicago, Illinois 60607

D162478-Sht-Light-14.dgn
USER NAME = njones
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/5/2020

DESIGNED - NRJ	REVISED -
DRAWN - NRJ	REVISED -
CHECKED - MKR	REVISED -
DATE - 3-13-2020	REVISED -

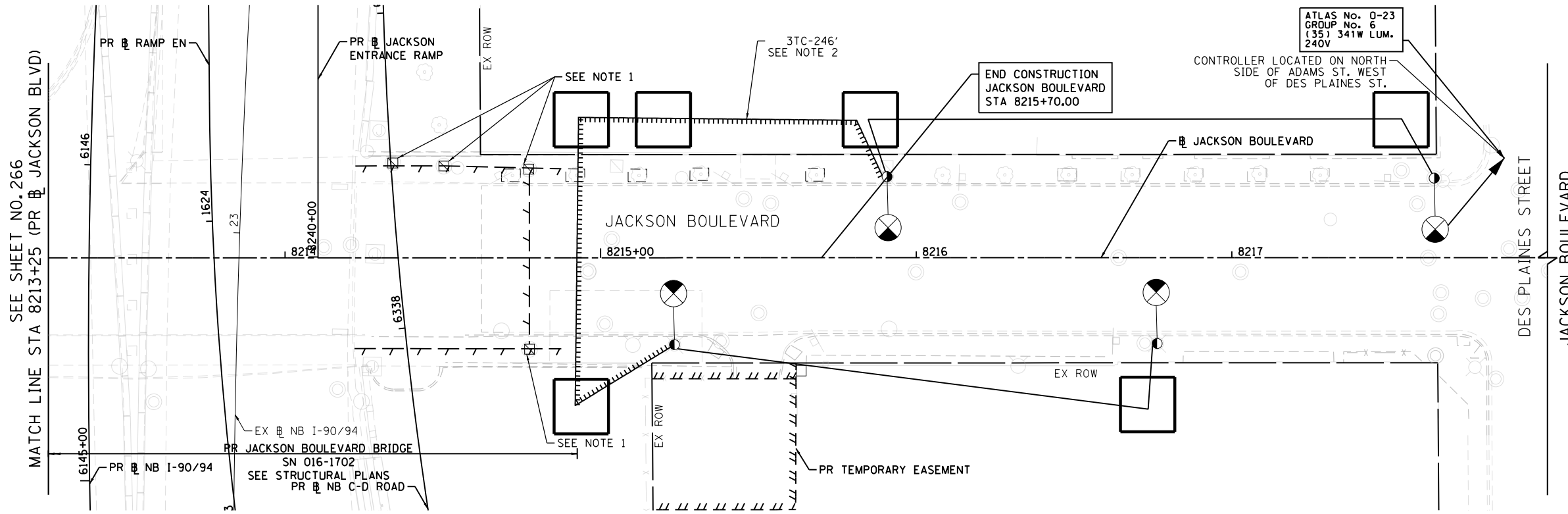
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING PLAN
JACKSON BOULEVARD**

SCALE: 1"=20' SHEET 9 OF 16 SHEETS STA. 8308+00 TO STA. 8313+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	266
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

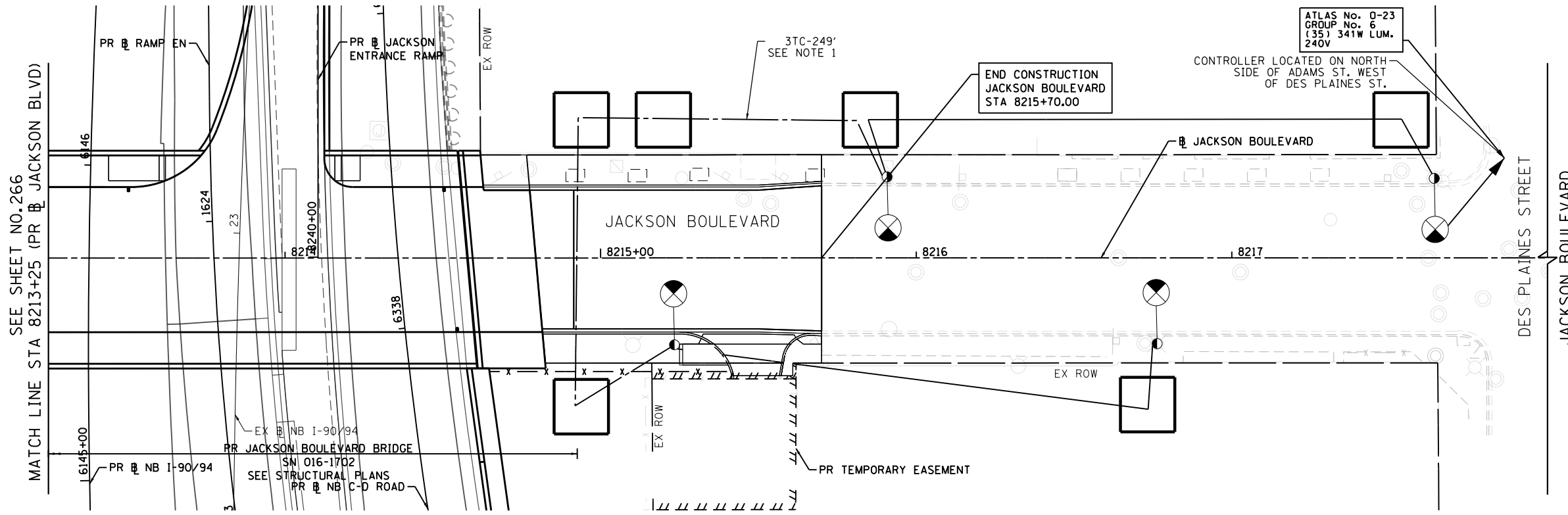
FILE PATH = p:\na\ecdm\NA-AWS\elecmon\line\local\elecmon\0502_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\000_CAD\06E_Electrical\Sheets\62678_Contract\0162678-Sht-Light-15.dgn



REMOVAL PLAN

- REMOVAL NOTES:**
1. REMOVE MANHOLE/HANDHOLE.
 2. REMOVE EXISTING 3TC (2-1/C*6 & 1-1/C*8) ELECTRIC CABLE FROM CONDUIT.

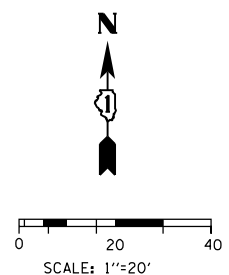
- LEGEND:**
- EXISTING POLE TO REMAIN
 - MANHOLE TO BE REMOVED
 - EXISTING CABLE TO REMAIN
 - EXISTING BURIED CONDUIT TO BE REMOVED
 - EXISTING CABLE TO BE REMOVED
 - EXISTING MANHOLE TO REMAIN



INSTALLATION PLAN

- INSTALLATION NOTES:**
1. INSTALL 3TC (2-1/C*6 & 1-1/C*8) ELECTRIC CABLE IN CONDUIT.

- LEGEND:**
- PROPOSED CABLE, SIZE AND TYPE AS NOTED ON PLANS
 - EXISTING POLE TO REMAIN
 - EXISTING CABLE TO REMAIN
 - EXISTING CONTROLLER TO REMAIN
 - EXISTING MANHOLE TO REMAIN



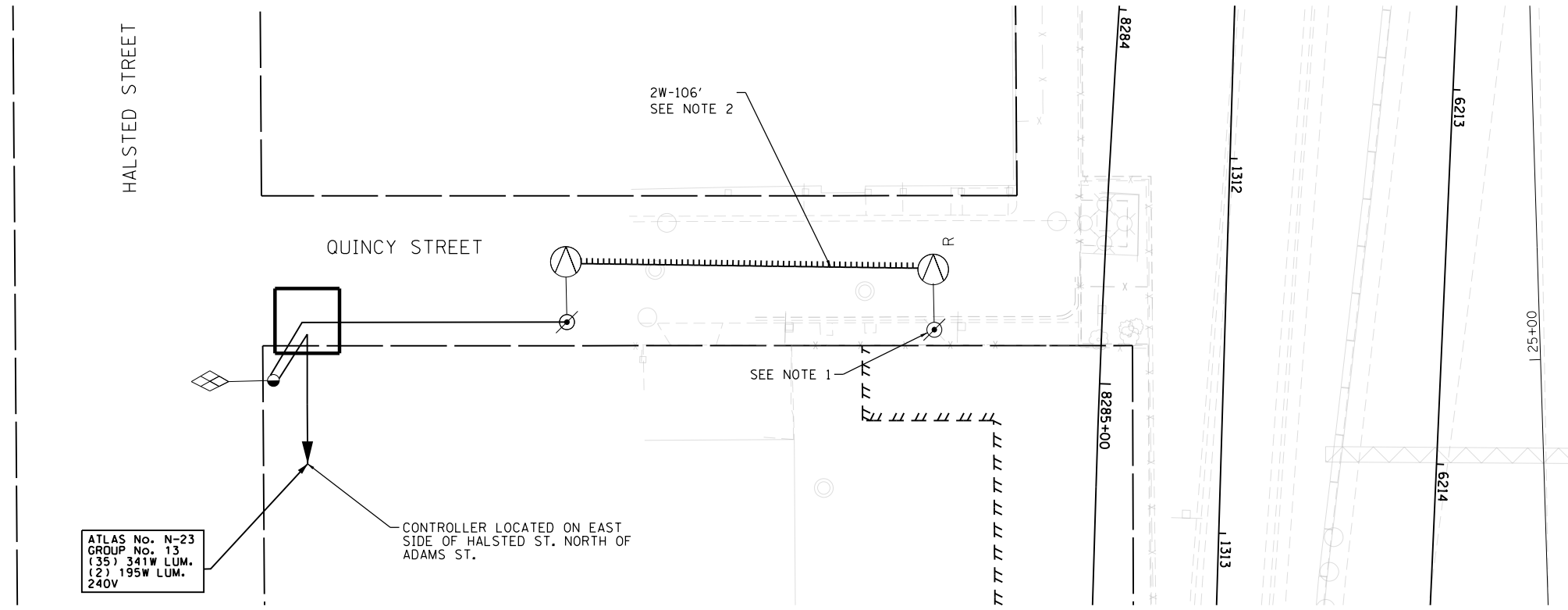
LTC-10

D162478-Sht-Light-15.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

ROADWAY LIGHTING PLAN JACKSON BOULEVARD			
SCALE: 1"=20'	SHEET 10	OF 16 SHEETS	STA. 8213+25 TO STA. 8217+75

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	267
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\VA\ECOM\NA-AWS\leecomon\line\local\IJE\COM_0502_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase_11\000_CAD\01E_Electrical\Sheets\62478_Sht-Light-16.dgn



ATLAS No. N-23
GROUP No. 13
(35) 341W LUM.
(2) 195W LUM.
240V

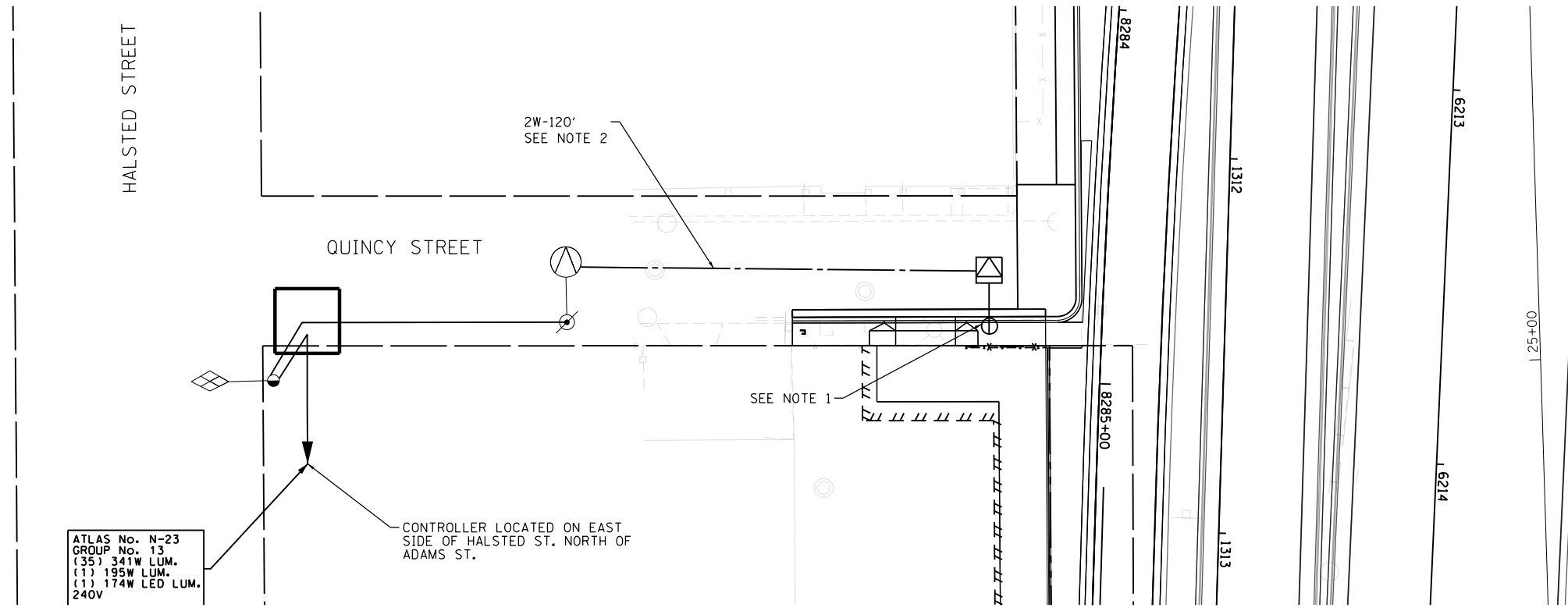
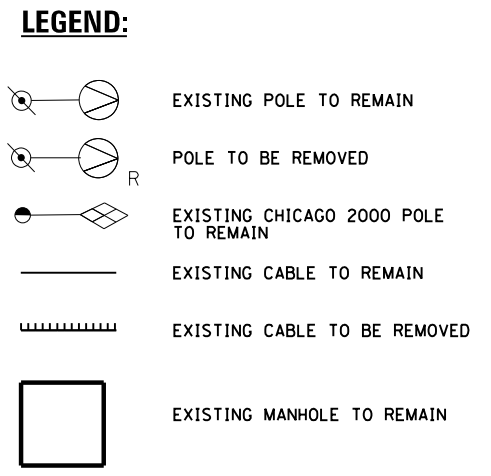
CONTROLLER LOCATED ON EAST SIDE OF HALSTED ST. NORTH OF ADAMS ST.

2W-106'
SEE NOTE 2

SEE NOTE 1

REMOVAL PLAN

- REMOVAL NOTES:**
1. REMOVE POLE COMPLETE
 2. REMOVE AERIAL CABLE



ATLAS No. N-23
GROUP No. 13
(35) 341W LUM.
(1) 195W LUM.
(1) 174W LED LUM.
240V

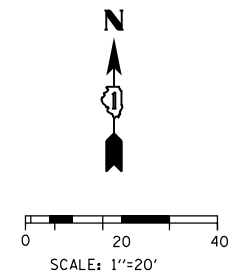
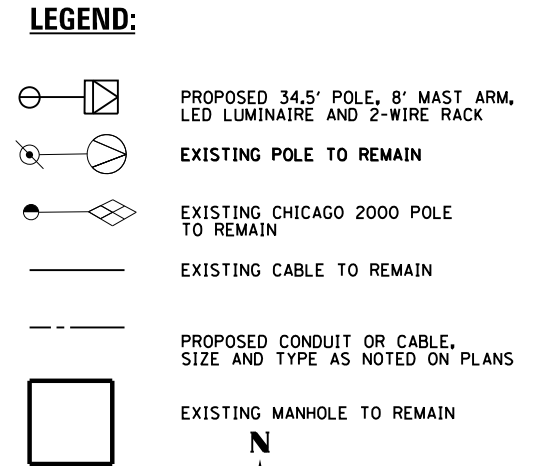
CONTROLLER LOCATED ON EAST SIDE OF HALSTED ST. NORTH OF ADAMS ST.

2W-120'
SEE NOTE 2

SEE NOTE 1

INSTALLATION PLAN

- INSTALLATION NOTES:**
1. INSTALL PROPOSED POLE ON HELIX FOUNDATION
 2. INSTALL 2W AERIAL CABLE (2-1/C*8 WITH MESSENGER)



D162478-Sht-Light-16.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

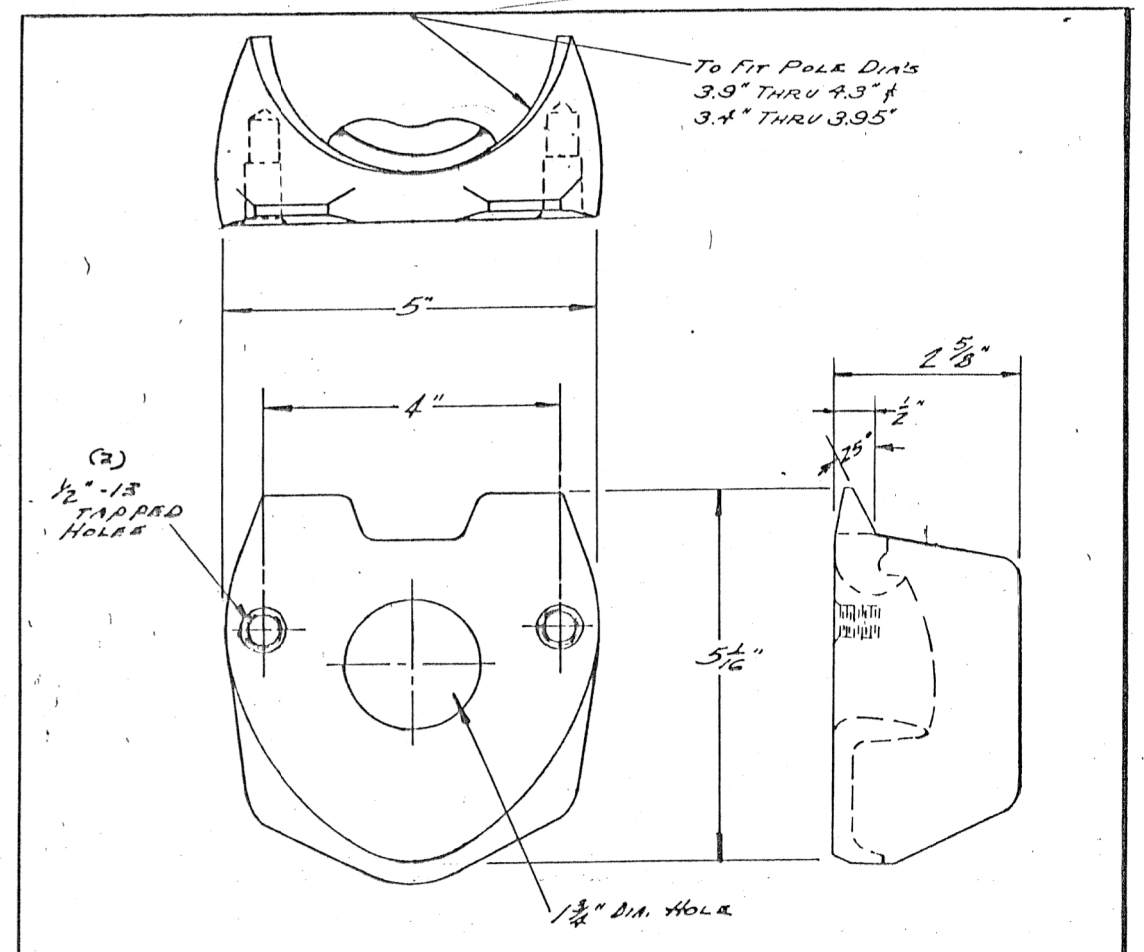
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN QUINCY STREET		
SCALE: 1"=20'	SHEET 11 OF 16 SHEETS	STA. 8308+00 TO STA. 8313+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	268
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

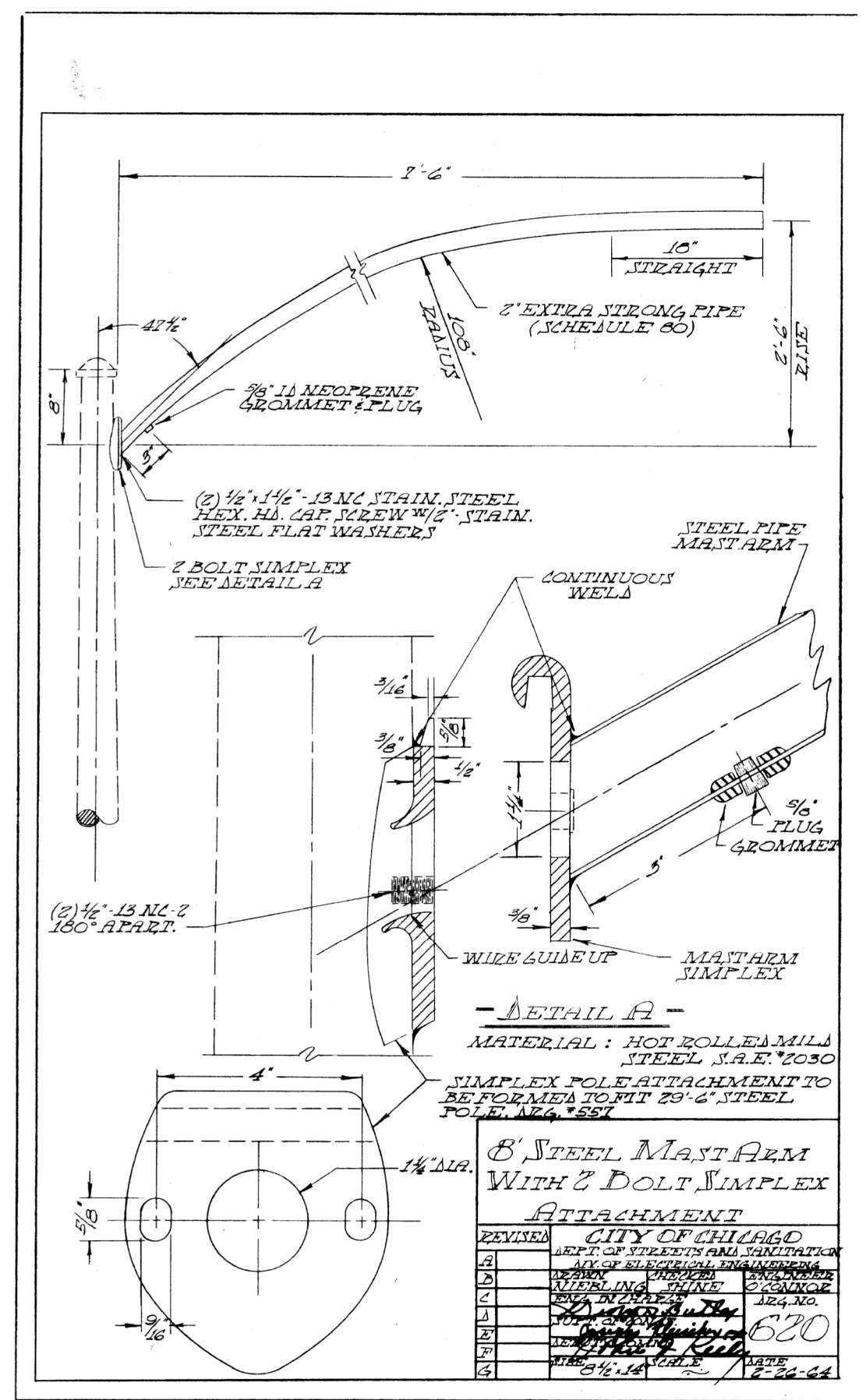
LTC-11

FILE PATH = p:\na\ecdm\NA-AWS\elecmon\line\local\elecmon\0502_NA\Documents\01_Americas\Transportation\60269938_Circle Phase II\0200_CAD\01E.Electrical\Sheets\60x94-Sht-Light-19.dgn



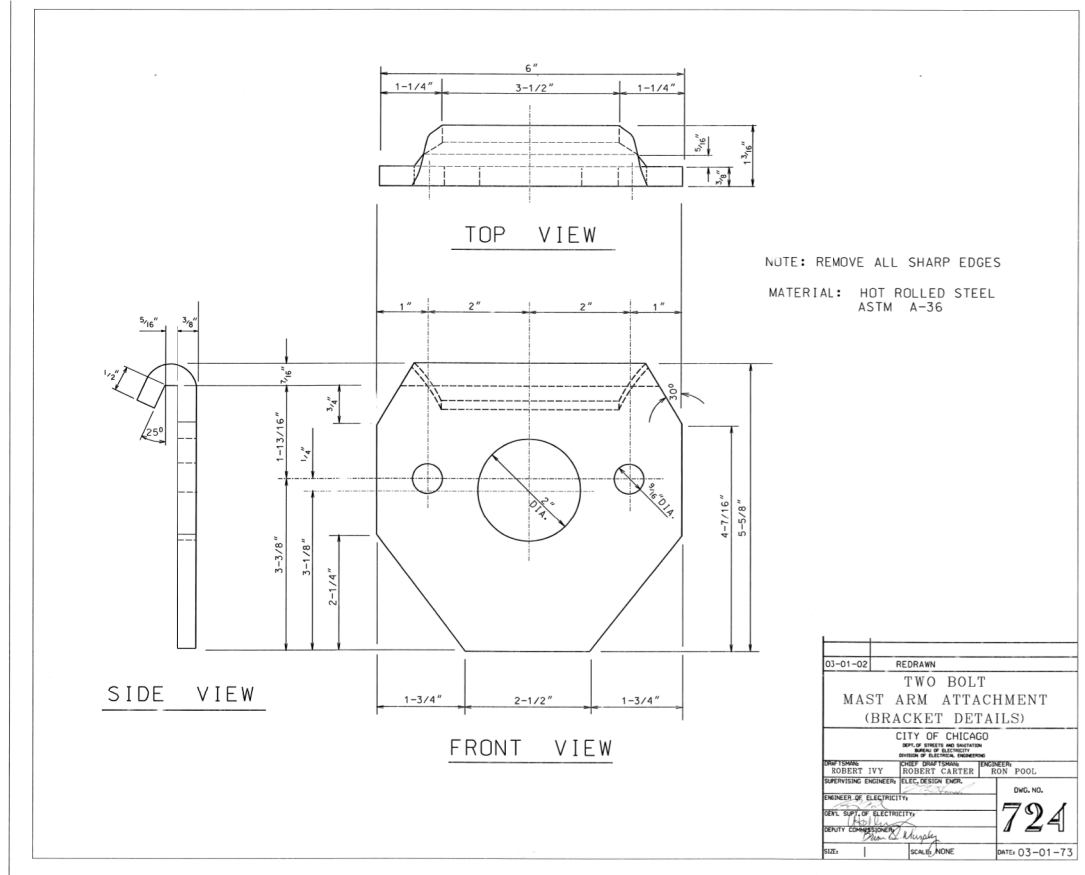
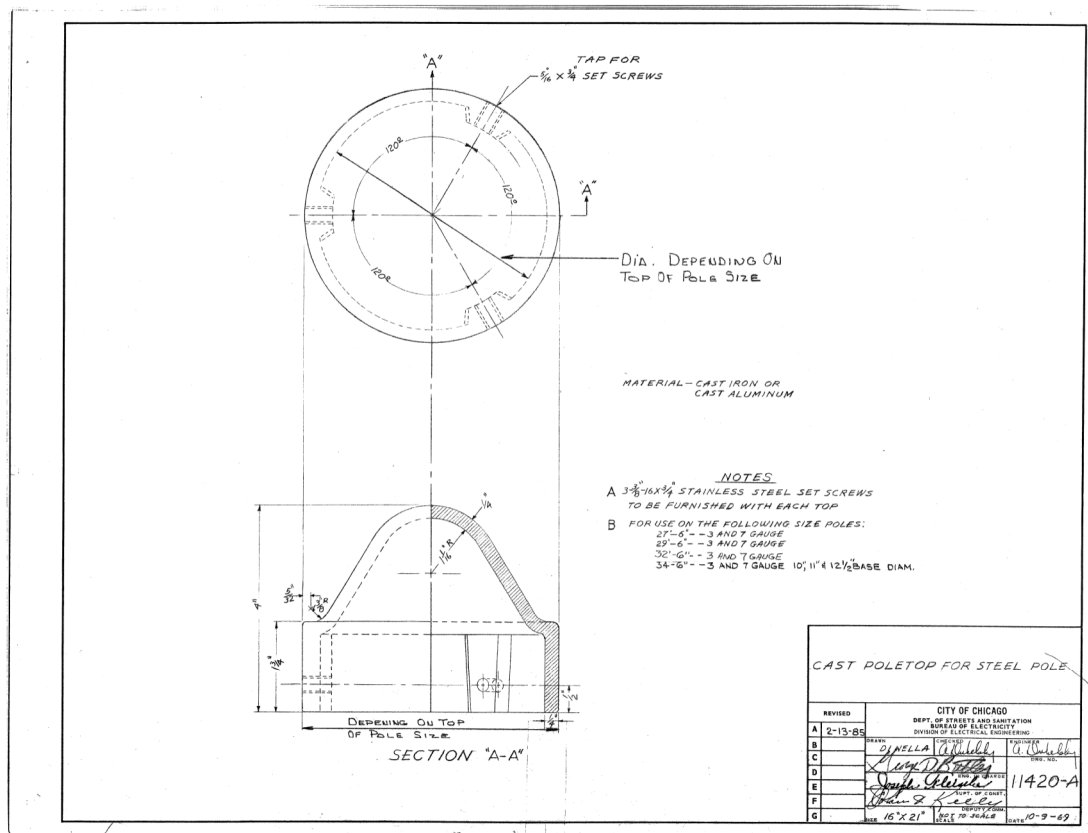
MATERIAL: CAST STEEL

A J.O.C. MATERIAL NOTE ADDED.			
2 BOLT MAST ARM ATTACHMENT POLE PLATE DETAILS			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL ENGINEERING			
REVISED	5-27-76	DRAWN J. WAHLFELDT	CHECKED U. BORE
A B C D E F G		ENGINEER J. BORE	
		DRS. NO. 659	
		DATE 10-25-66	
	SIZE 8 1/2" x 14"	SCALE	DEPUTY COMM.



8' STEEL MAST ARM WITH 2 BOLT SIMPLEX ATTACHMENT			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL ENGINEERING			
REVISED		DRAWN	CHECKED
A		ALBERLING	THINE
B		ALBERLING	THINE
C		ALBERLING	THINE
D		ALBERLING	THINE
E		ALBERLING	THINE
F		ALBERLING	THINE
G		ALBERLING	THINE
	DATE 2-24-64	SCALE	DRS. NO. 620

FILE PATH = p:\na\ecdm\NA-NV5\elecmon\line\local\ECOM_0502_NA\Documents\01_Americas\Transportation\60269938_Circle Phase_11\000_CAD\01E.Electrical\Sheets\60X94_Contract\0160X94-Sht-Light-20.dgn



LTC-13



D160X94-Sht-Light-20.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

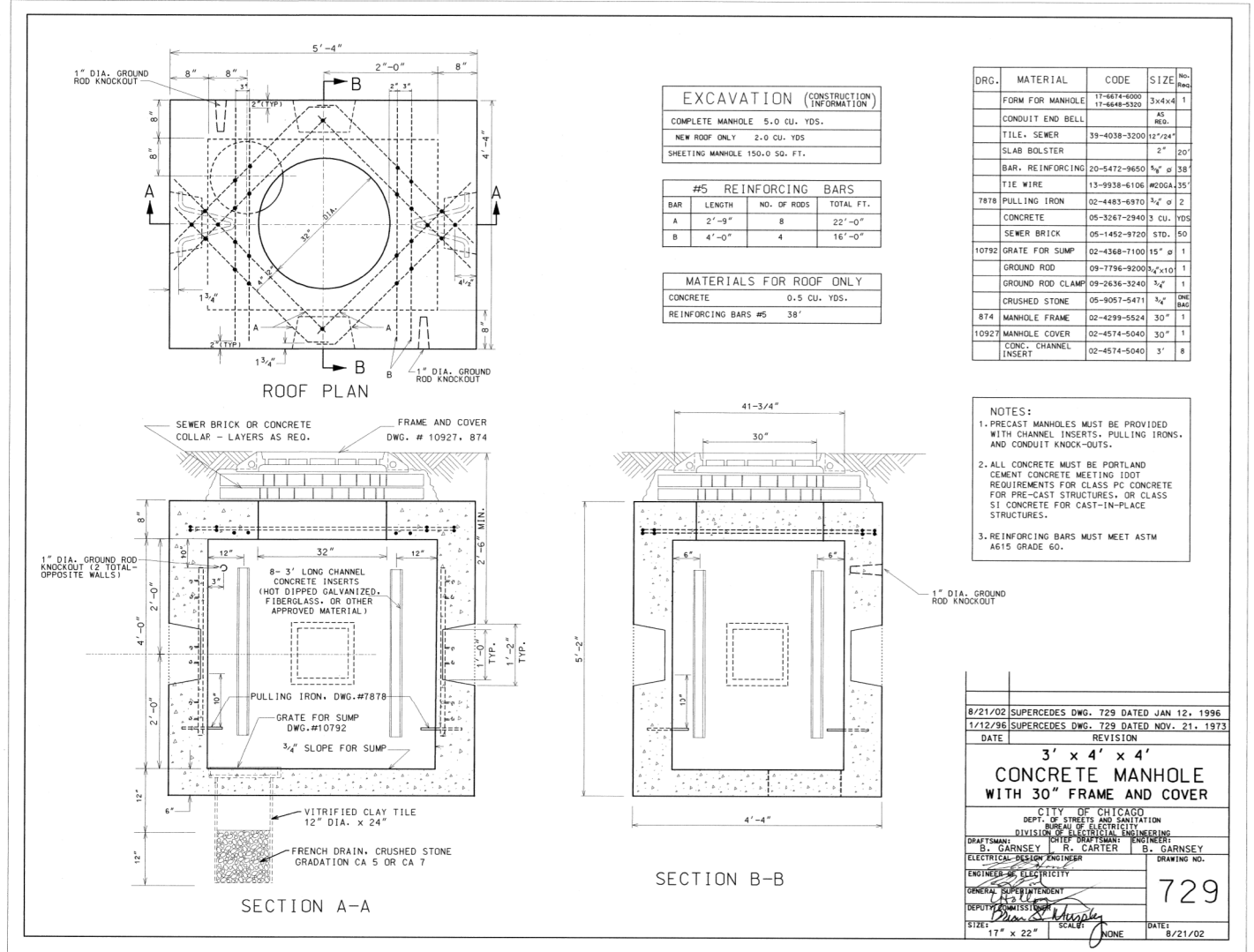
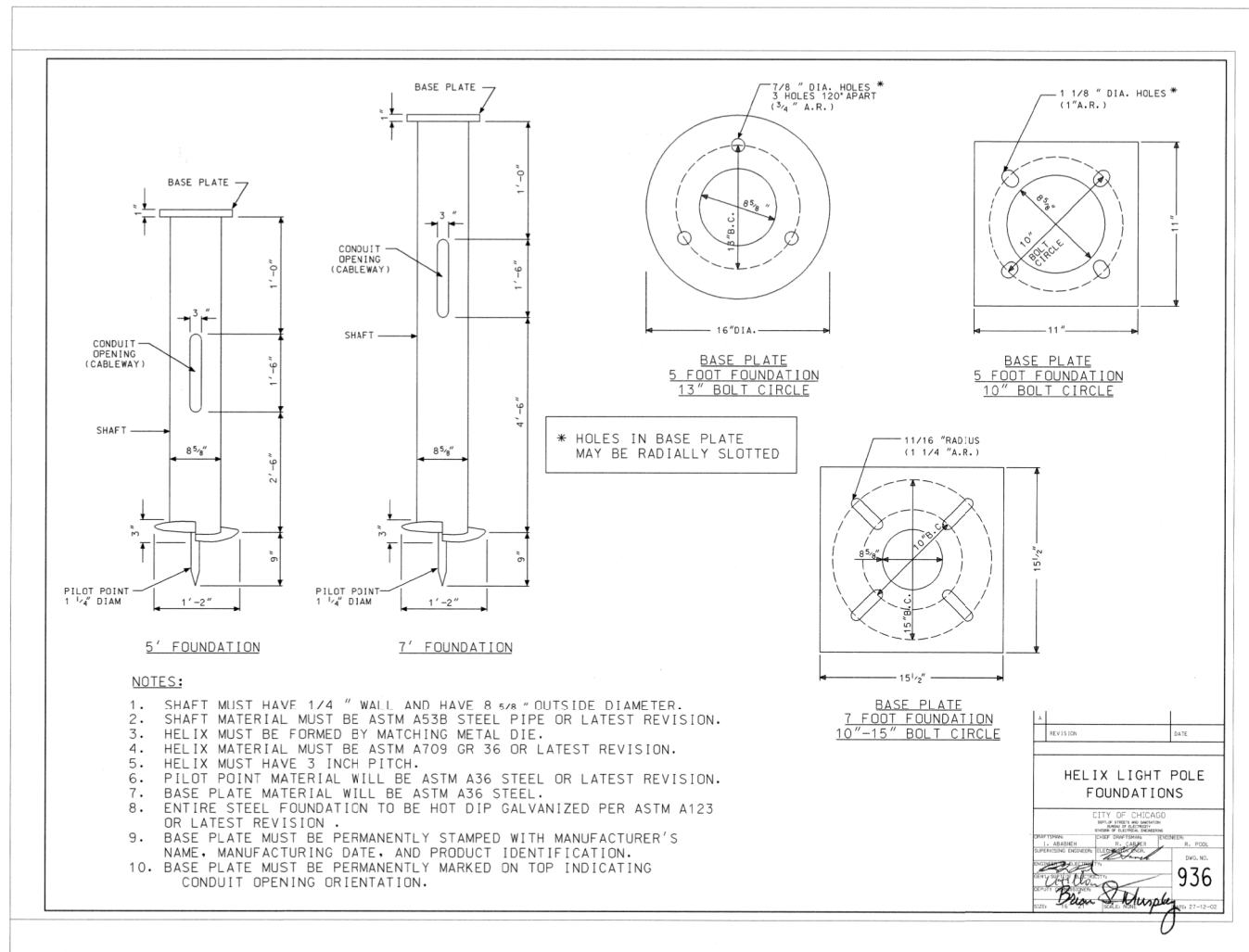
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS

SCALE: N.T.S. SHEET 13 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	270
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\na\ecdm\sh-n\51\elecmon\line\local\elec\COM_0502_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\000_CAD\06E_Electrical\Sheets\60269938_Contract\160269938_Sht-Light-21.dgn

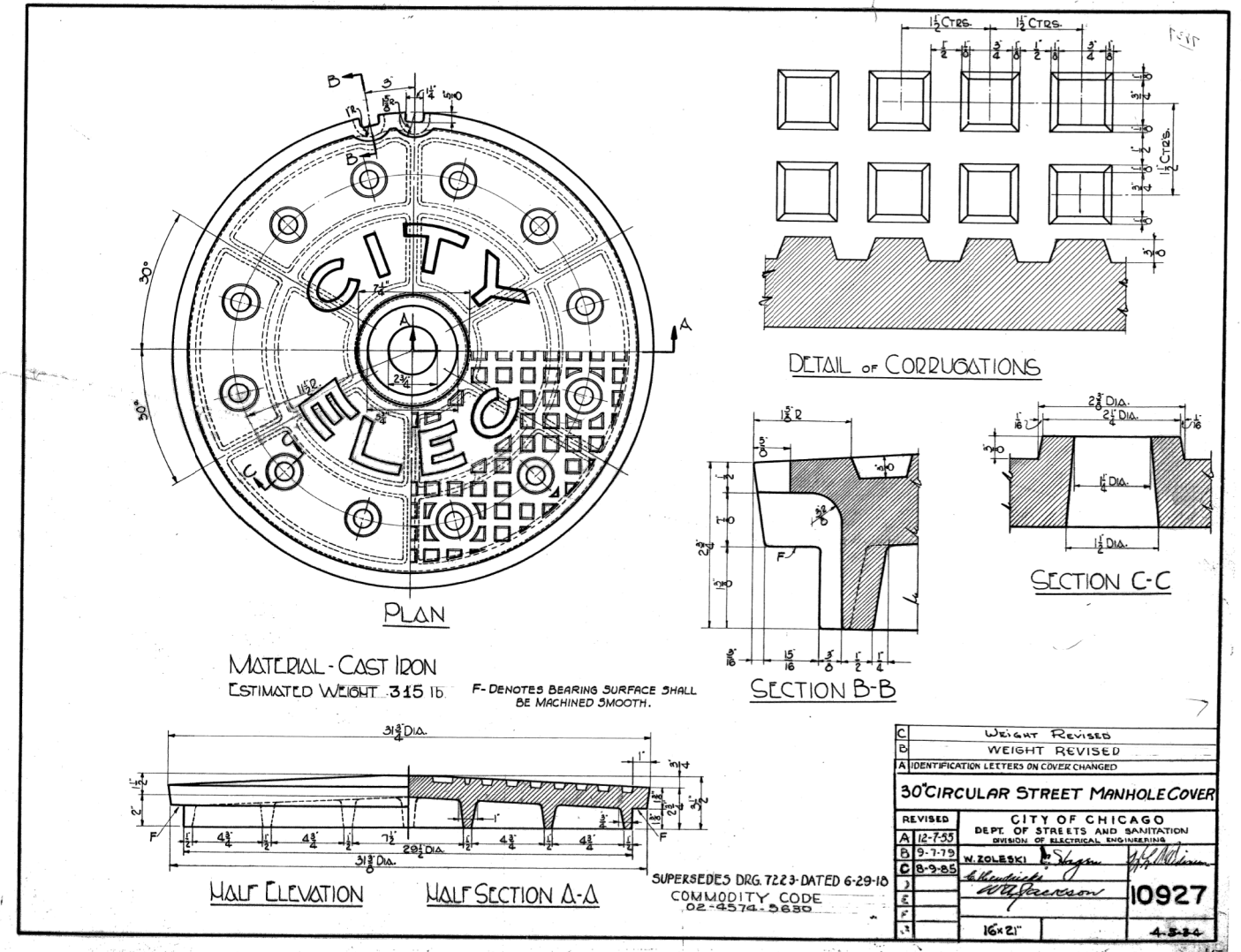
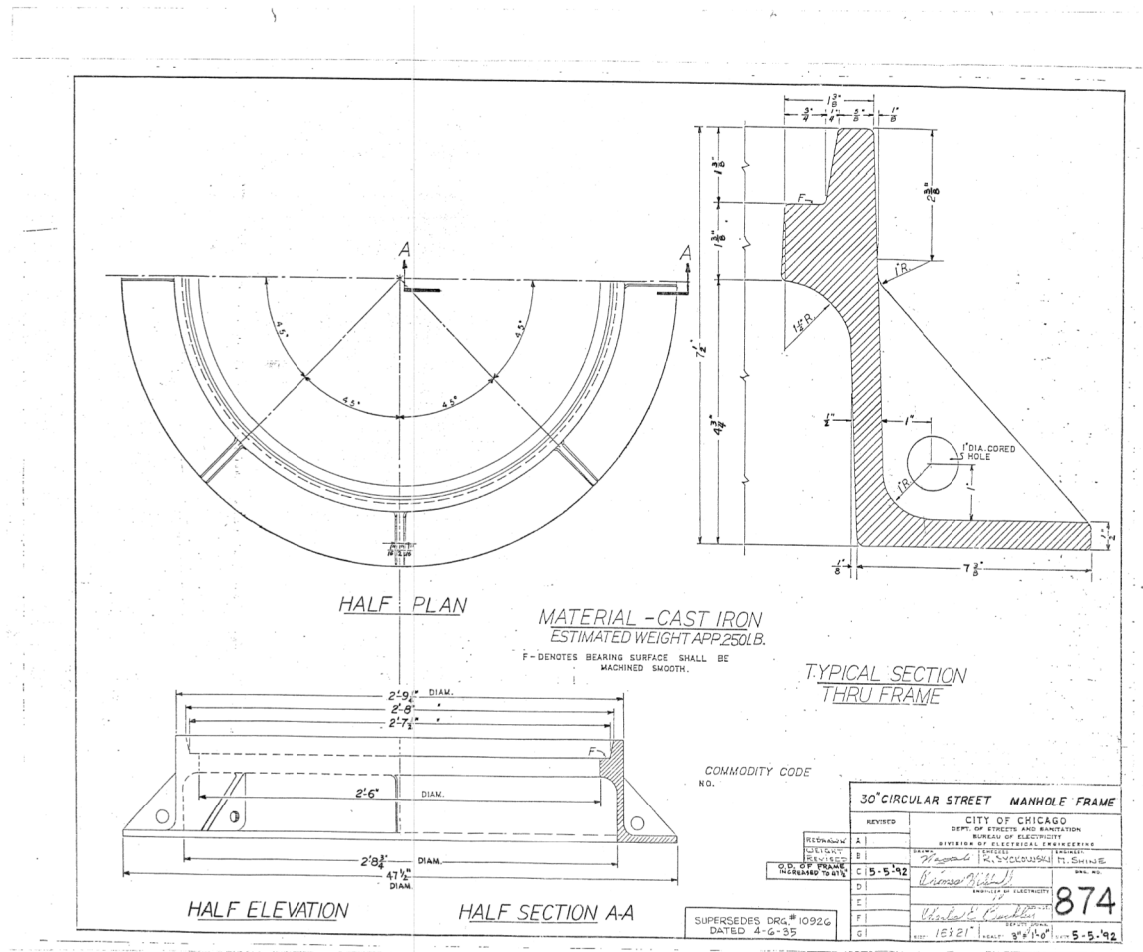


D160X94-Sht-Light-21.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

ELECTRICAL DETAILS	
SCALE: N.T.S.	SHEET 14 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-15R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 271
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\na\ecdm\m-n\51\elecmon\l\local\elec\COM_0502_NA\Documents\01_America\Transportation\60269938_Circle Phase\11\000_CAD\01E.Electrical\Sheets\60x94_Contract\0160x94-Sht-Light-22.dgn



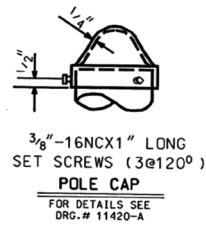
COMMODITY CODE No.		30" CIRCULAR STREET MANHOLE FRAME	
REVISION	DATE	BY	CHKD
A			
B			
C	5-5-92		
D			
E			
F			
G			

C	WEIGHT REVISED		
B	WEIGHT REVISED		
A	IDENTIFICATION LETTERS ON COVER CHANGED		
30" CIRCULAR STREET MANHOLE COVER			
REVISION			
CITY OF CHICAGO			
DEPT. OF STREETS AND SANITATION			
DIVISION OF ELECTRICAL ENGINEERING			
A	12-7-55		
B	9-7-79		
C	8-9-85		
J			
E			
F			
G			
H			
I			
J			
K			
L			
M			
N			
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

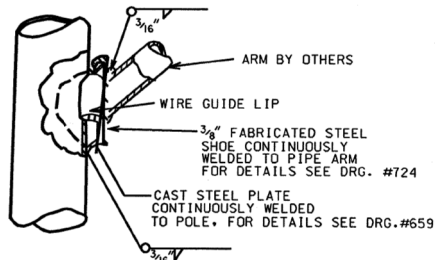
D160X94-Sht-Light-22.dgn	DESIGNED - NRJ	REVISED -
USER NAME = njones	DRAWN - NRJ	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MKR	REVISED -
PLOT DATE = 3/5/2020	DATE - 3-13-2020	REVISED -

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-15R&B-R	COOK	825	272
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

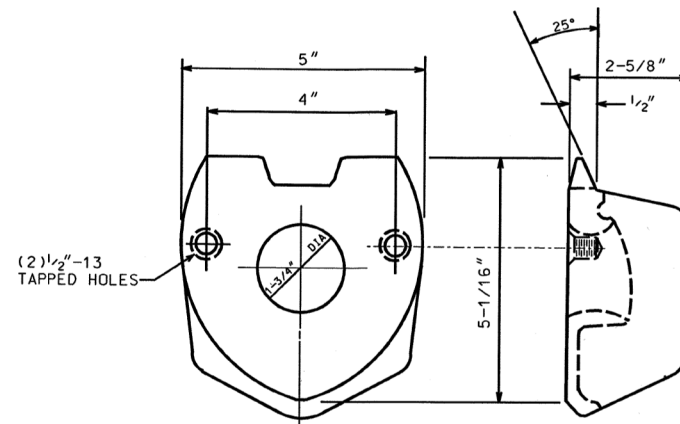
FILE PATH = p:\na\ecdm\NA-AWS\elecmon\line\local\elecmon\DS02-NA\Documents\01_Americas\Transportation\60269938_Circle Phase-1\1000_CAD\01E.Electrical\Sheets\60X94_Contract\160X94-Sht-Light-23.dgn



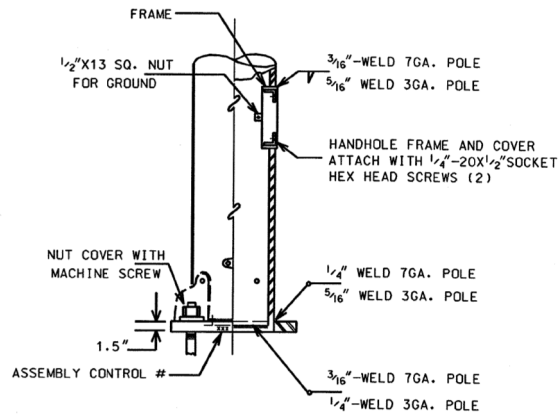
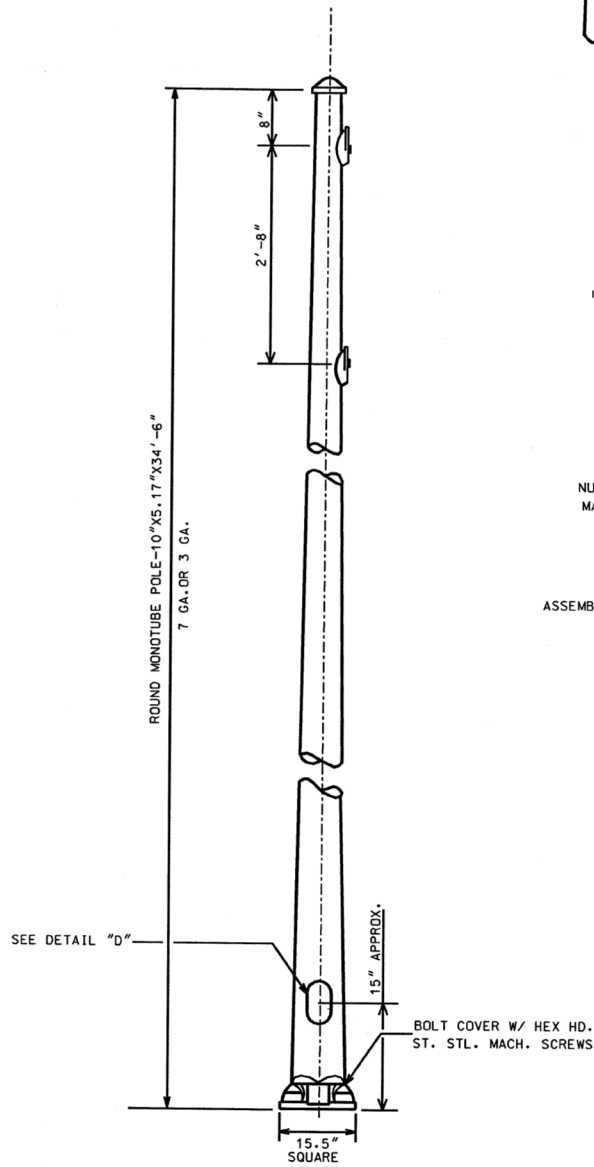
3/8"-16NCX1" LONG
SET SCREWS (3@120°)
POLE CAP
FOR DETAILS SEE
DRG.# 11420-A



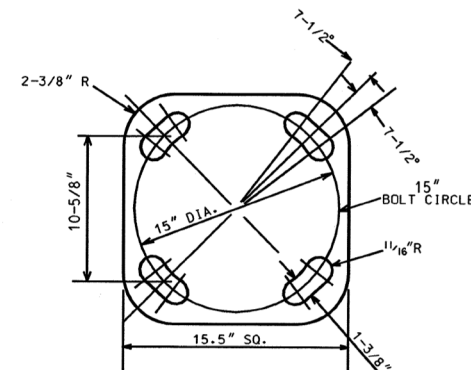
SECTION AT POLE PLATE



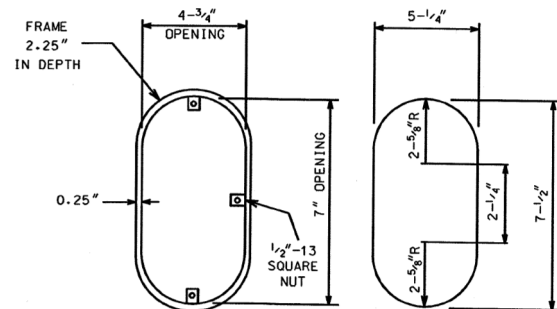
2 BOLT MAST ARM ATTACHMENT
FOR DETAILS SEE DRG.# 659 MATERIAL: CAST STEEL



DETAIL "D"



DETAIL "A"
BOLT SLOTS



FRAME **DOOR**
HANDHOLE **DETAIL**

5.17"x10.0" STEEL/34'-6" POLE
7 OR 3 GAUGE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: ROBERT IVY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: RON POOL
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		808
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		

DWG. NO.

808

10-03-01

FILE PATH = p:\na\ecom\na-ansi\encom\local\ecom\0502_MN\Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\01E\Electrical\Sheets\60269938_Contract\0160X94-shr-Light-01

- LIGHT TOWER:**
LED LUMINAIRES TYPE I
NUMBER INDICATES TOWER TYPE
- TYPE TOWER HEIGHT
13 - 130 FEET
15 - 150 FEET
- LIGHTING UNIT: TYPE AS INDICATED
- 30'-6" M.H., 6 FT. DAVIT ARM
LED TYPE I LUMINAIRE,
MOUNTED ON BRIDGE
- T80 TEMPORARY LED LUMINAIRE AND POLE;
80 FOOT WOOD POLE
- T80 TEMPORARY LIGHTING UNIT: 80 FOOT WOOD
POLE WITH FOUR TYPE I LED HIGH MAST
LUMINAIRES
- LED UNDERPASS LUMINAIRE:
LED, TYPE AS SHOWN ON PLANS (PRIMARY
DISTRIBUTION PATTERN DIRECTION AS
INDICATED BY ARROW)
- M MANHOLE
- H ELECTRIC HANDHOLE: TYPE AS INDICATED
TYPE E1: PRECAST CONCRETE, 21.5"x21.5"x30",
IDOT STANDARD 814001
TYPE E2: PRECAST CONCRETE-HEAVY DUTY,
22"x22"x30", IDOT STANDARD 814001
TYPE C1: COMMUNICATIONS VAULT, 49 5/8"x32 1/8"x57"
TYPE S1: PRECAST CONCRETE-HEAVY DUTY,
22"x22"x36"
TYPE S2: PRECAST CONCRETE-HEAVY DUTY SPECIAL,
30"x30"x36"
- HH DOUBLE ELECTRIC HANDHOLE
- J JUNCTION BOX: TYPE AND SIZE AS INDICATED
ON PLANS
- P PULL BOX: TYPE AND SIZE AS INDICATED
ON PLANS
- T TELEPHONE CONNECTION
- FIBER OPTIC COMMUNICATIONS HUT
- EXISTING LIGHT TOWER
- EXISTING LIGHTING UNIT, TWIN LUMINAIRE
- EXISTING LIGHTING UNIT
- EXISTING TEMPORARY LIGHTING UNIT
- EXISTING CDOT LIGHTING UNIT
- EXISTING UNDERPASS LUMINAIRE
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC HANDHOLE
- EXISTING JUNCTION BOX
- EXISTING PULL BOX
- EXISTING TELEPHONE CONNECTION
- EXISTING FIBER OPTIC COMMUNICATIONS HUT
- EXISTING ELECTRIC HANDHOLE/MANHOLE
- EXISTING CDOT SURVEILLANCE CABINET

ELECTRICAL SYMBOLS FOR PROPOSED WORK

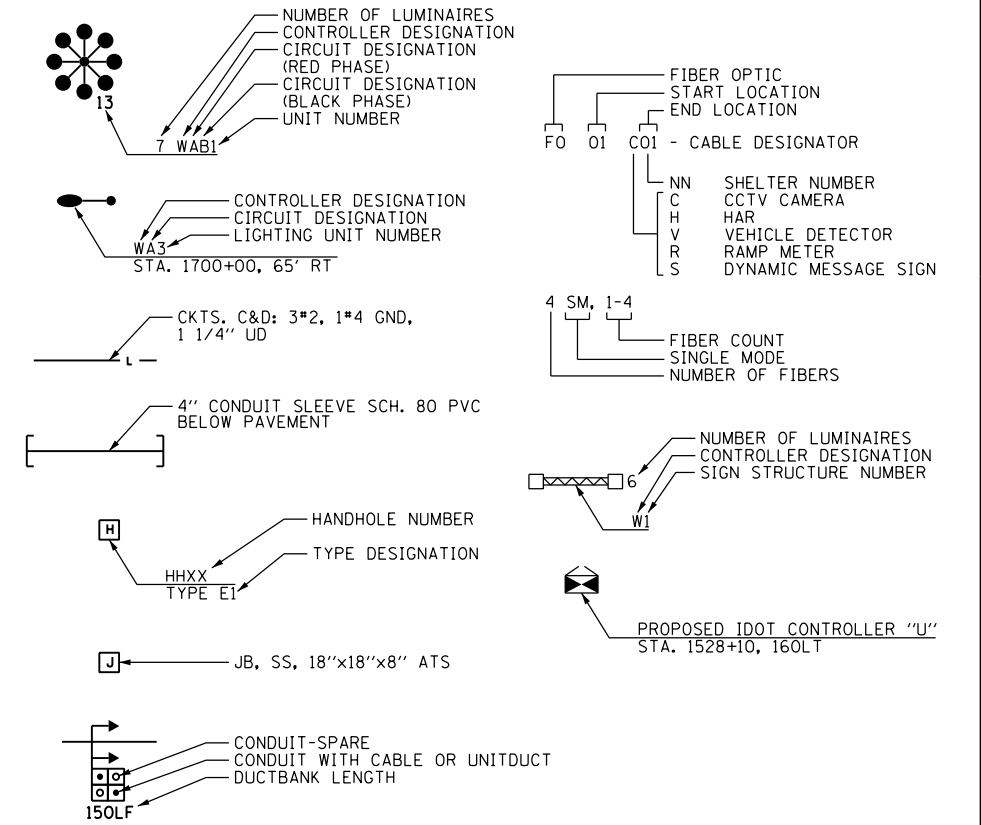
- 4 LIGHTED SIGN STRUCTURE-CANTILEVER TYPE
(NUMBER OF FLUORESCENT FIXTURES AS
INDICATED - TYP.)
- 6 LIGHTED SIGN STRUCTURE-TRUSS TYPE
- 6 LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE
- DYNAMIC MESSAGE SIGN
- FBS FLASHING BEACON SIGN
- C CLOSED CIRCUIT TELEVISION CAMERA
- M MICROWAVE DETECTOR
- OR DETECTOR LOOP
- CONTROLLER CABINET: LIGHTING, RADIO CONTROL
DUPLEX TYPE WITH SCADA (DOOR SIDE AS
INDICATED)
- CONTROLLER CABINET: SURVEILLANCE
- CONTROLLER CABINET: SURVEILLANCE, TYPE 334
- RAMP METER SIGNAL POLE/HEAD
- RAMP METER FLASHER POST
- T80 TEMPORARY WOOD POLE, LENGTH AS
INDICATED ON THE PLANS
- ER RELOCATED TEMPORARY WOOD POLE
- HAR HIGHWAY ADVISORY RADIO ANTENNA
- ∅ ELECTRIC UTILITY POLE
- CCTV CAMERA POLE
- ▲ POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

- ⊙ EXISTING CDOT ELECTRIC HANDHOLE/MANHOLE
- E EXISTING LIGHTED SIGN STRUCTURE-
CANTILEVER TYPE
- E EXISTING LIGHTED SIGN STRUCTURE-TRUSS TYPE
- E EXISTING LIGHTED SIGN STRUCTURE-
BRIDGE MOUNT TYPE
- E EXISTING DYNAMIC MESSAGE SIGN
- FBS E EXISTING FLASHING BEACON SIGN
- C E EXISTING CLOSED CIRCUIT TELEVISION CAMERA
- M E EXISTING MICROWAVE DETECTOR
- E EXISTING DETECTOR LOOP
- E EXISTING LIGHTING CONTROLLER, DUPLEX
- E EXISTING CONTROLLER CABINET
- ▷ EXISTING RAMP METER FLASHER
- E EXISTING WOOD POLE
- S EXISTING TEMPORARY ITS WOOD POLE
- HAR EXISTING HIGHWAY ADVISORY RADIO ANTENNA
- E EXISTING CCTV CAMERA POLE
- △ E EXISTING UTILITY SERVICE CONNECTION,
POLE MOUNTED
- △ E EXISTING UTILITY SERVICE CONNECTION,
PAD MOUNTED
- - - E - - - EXISTING CONCEALED CONDUIT IN STRUCTURE
- - - E - - - EXISTING EXPOSED CONDUIT
- - - E - - - EXISTING RACEWAY OR DIRECT BURIED CABLE
WITHOUT ENCASEMENT
- ===== EXISTING CONCEALED CONDUIT UNDERGROUND,
TRENCHED OR PUSHED
- - - - - EXISTING ELECTRIC CABLE IN CONDUIT SLEEVE
- - - A - - - EXISTING AERIAL CABLE TO REMAIN
- ≡≡≡≡ EXISTING ELECTRICAL EQUIPMENT
TO BE ABANDONED

- ▲ PAD MOUNTED ELECTRIC UTILITY TRANSFORMER
- ⊥ GROUND ROD
- ⊔ MAIN SERVICE FUSED DISCONNECT SWITCH
(RATING AS INDICATED)
- ⊙ PHOTOCELL
- A — AERIAL CABLE
- () — FLEXIBLE CONDUIT
- - - - RACEWAY EMBEDDED IN STRUCTURE
- - - - EXPOSED CONDUIT
- L — RACEWAY OR DIRECT BURIAL CABLE
UNDERGROUND WITHOUT ENCASEMENT
- [] TYPE AS SHOWN ON PLANS CONDUIT
SLEEVE, INSTALLED BELOW PAVEMENT
- ↳ UNDERGROUND REINFORCED CONCRETE ENCASED
CONDUIT DUCTBANK, UNLESS NOTED OTHERWISE.
(NUMBER, TYPE, AND SIZE OF DUCTS AS SHOWN)
- CONDUIT TURNED DOWN
- CONDUIT TURNED UP

GENERAL ELECTRICAL CALLOUTS



TYPICAL EXISTING TO BE REMOVED SYMBOLS

- R EXISTING WOOD POLE TO BE REMOVED
- R EXISTING LIGHTING UNIT TO BE REMOVED AND NO SALVAGE
- R EXISTING UNDERPASS LUMINAIRE TO BE REMOVED AND NO SALVAGE
- R EXISTING JUNCTION BOX TO BE REMOVED
- ▧ R EXISTING LIGHTED SIGN STRUCTURE-
CANTILEVER TYPE TO BE REMOVED
- ▧ R DYNAMIC MESSAGE SIGN TO BE REMOVED
- FBS R FLASHING BEACON SIGN TO BE REMOVED
- ⊔ R EXISTING LIGHTING CONTROLLER, DUPLEX
TO BE REMOVED
- ⊔ R EXISTING CONTROLLER CABINET TO BE REMOVED
- R EXISTING DETECTOR LOOP TO BE REMOVED
- R EXISTING RAMP METER SIGNAL POLE/HEAD TO BE
REMOVED
- ▷ R EXISTING RAMP METER FLASHER TO BE REMOVED
- △ R EXISTING POLE MOUNTED UTILITY SERVICE CONNECTION
TO BE REMOVED
- R EXISTING LIGHT TOWER, PAD, AND FOUNDATION TO
BE REMOVED AND NO SALVAGE
- R EXISTING TEMPORARY LIGHTING UNIT TO
BE REMOVED AND SALVAGED TO IDOT



D160X94-shr-Light-01	DESIGNED - TJL	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

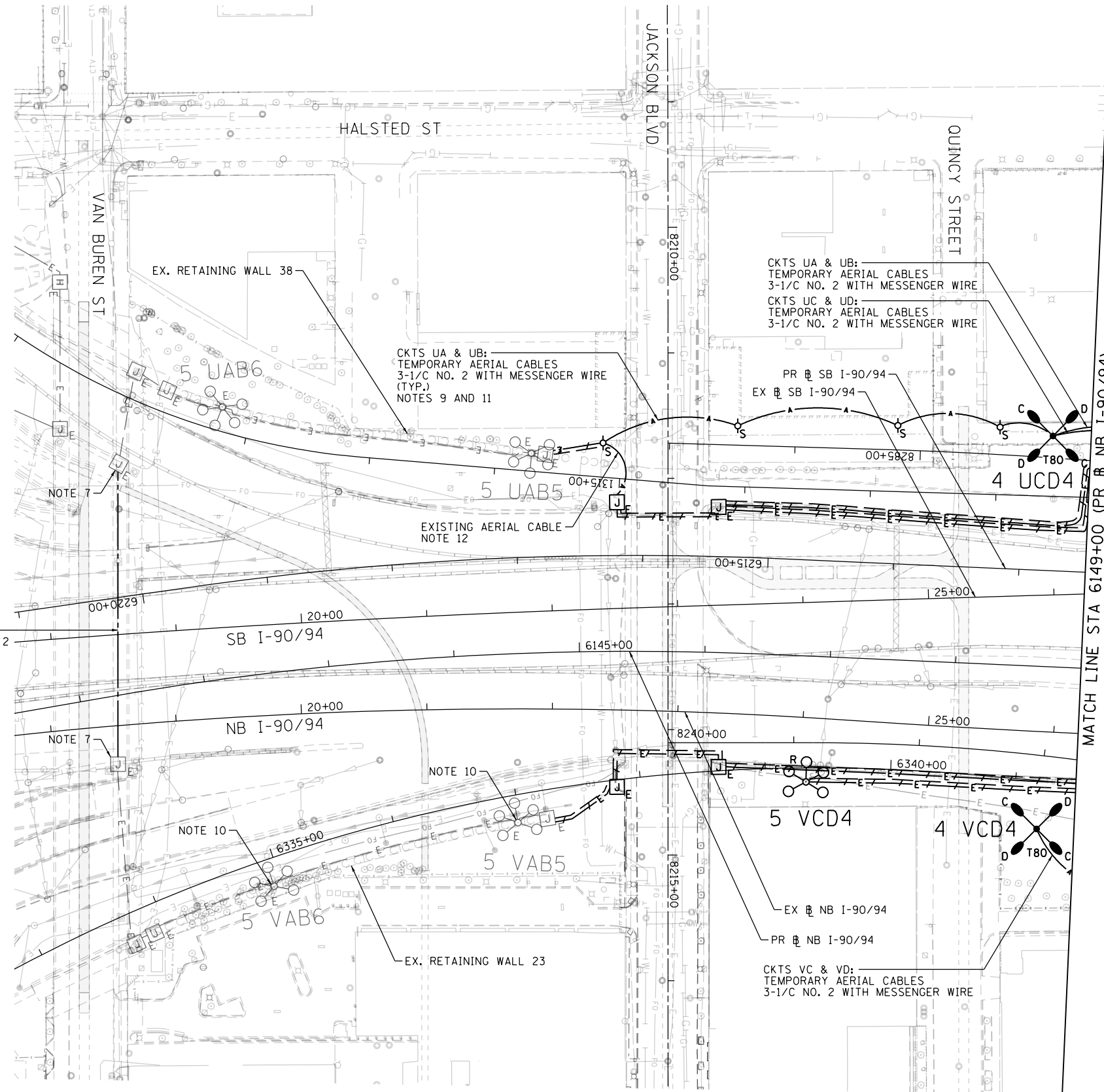
IDOT ELECTRICAL SYMBOLS

SCALE: N.T.S. SHEET 1 OF 15 SHEETS STA. TO STA.

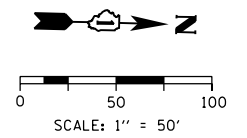
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	274
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

NOTES:

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. THE EXISTING ELECTRICAL SYSTEMS, AS DEPICTED ON THE PLANS, ARE INTENDED TO INDICATE THE GENERAL EQUIPMENT INSTALLATIONS INVOLVED AND SHALL NOT BE CONSTRUED AS AN EXACT REPRESENTATION OF THE FIELD CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND ASCERTAIN THE EXACT CONDITION, SIZE, TYPE, QUANTITY AND LOCATION OF THE EXISTING ELECTRICAL EQUIPMENT. ANY DISCREPANCIES BETWEEN THE ACTUAL EXISTING ELECTRICAL EQUIPMENT IN THE FIELD AND THE DEPICTION OF THE EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER FOR RESOLUTION. FAILURE TO VERIFY THE CONDITIONS, DIMENSIONS AND DETAILS OF THE EXISTING ELECTRICAL EQUIPMENT TO CONFIRM THAT THE NEW EQUIPMENT IS COMPATIBLE WITH THE EXISTING EQUIPMENT AND CAN BE PROPERLY INSTALLED AND CONNECTED AS SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR PROVIDING A SAFE, COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM.
4. ALL WORK SHOWN ON THIS DRAWING MUST BE COORDINATED WITH THIS CONTRACT'S CONSTRUCTION WORK AND STAGING.
5. IDOT CONTRACTS 62A77, 62A76 AND 60Y00 WILL BE ONGOING SIMULTANEOUSLY WITH THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ELECTRICAL WORK FOR THIS CONTRACT WITH THE WORK IN THOSE CONTRACTS. THIS COORDINATION WORK SHALL BE INCLUDED AT NO ADDITIONAL COST TO THIS CONTRACT.
6. ALL OF THE EXISTING LIGHTING UNITS AND LIGHTING CIRCUITS CURRENTLY FED FROM EXISTING IDOT LIGHTING CONTROLLERS SHALL REMAIN ENERGIZED DURING NIGHTTIME HOURS FOR THE DURATION OF THE CONTRACT. ANY TEMPORARY POWER REQUIRED TO KEEP THE LIGHTING SYSTEM ENERGIZED WILL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
7. DRILL THE EXISTING JUNCTION BOX ATTACHED TO THE VAN BUREN PIER STRUCTURE AND ROUTE THE PROPOSED CONDUIT AND LIGHTING CIRCUIT FEEDS INTO THE JUNCTION BOX. CONNECT THE PROPOSED LIGHTING CIRCUIT CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES.
8. ALL EXISTING LIGHT TOWERS SHOWN TO BE REMOVED SHALL BE DISPOSED OF PROPERLY OFFSITE.
9. ATTACH THE TEMPORARY AERIAL LIGHTING CIRCUIT CABLES TO THE EXISTING WOOD POLES USED FOR THE TEMPORARY ITS FEEDS. PROVIDE 50 FEET OF SLACK CABLE AT EACH WOOD POLE TO ALLOW FOR RELOCATION OF AERIAL CABLES DURING THE DIFFERENT STAGES OF CONSTRUCTION.
10. DURING TEMPORARY CONDITIONS LIGHT TOWERS 5 VAB5, 5 VAB6, AND THE UNDERPASS LIGHTING SYSTEM ON THE EAST SIDE OF VAN BUREN SHALL BE FED FROM CIRCUITS A AND B FROM EXISTING IDOT LIGHTING CONTROLLER U.
11. THE TEMPORARY AERIAL LIGHTING CIRCUIT CABLES ATTACHED TO THE ITS WOOD POLES SHALL BE REMOVED ONCE THE PERMANENT LIGHTING FEEDS SHOWN ON DRAWING E-04 HAVE BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY IDOT. THE REMOVAL OF THESE TEMPORARY AERIAL CABLES SHALL BE PAID FOR BY THE "REMOVE AERIAL CABLE" PAY ITEM.
12. REMOVE THE EXISTING AERIAL CABLES FROM THE JUNCTION BOX ATTACHED TO THE WEST ABUTMENT OF THE JACKSON STREET BRIDGE PRIOR TO THE ABUTMENT BEING REMOVED.
13. DISCONNECT AND REMOVE THE TEMPORARY LIGHTING CIRCUIT CABLES ONCE THE PERMANENT FEEDS FOR LIGHT TOWERS 5 VAB6 AND 5 VAB5, SHOWN ON DRAWING E-04, HAVE BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY IDOT.



2" PVCC RGC ATS
CKTS UA & UB: 3-1/C NO. 2
& 1/C NO. 4 GND CABLES
NOTE 13



E-02

P:\AECOM\NA-AWS\encom\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase\1\000_CAD\01E\Electrical\Sheets\60X94_sht-Light-02



D160X94-sht-Light-02	DESIGNED - TJL	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

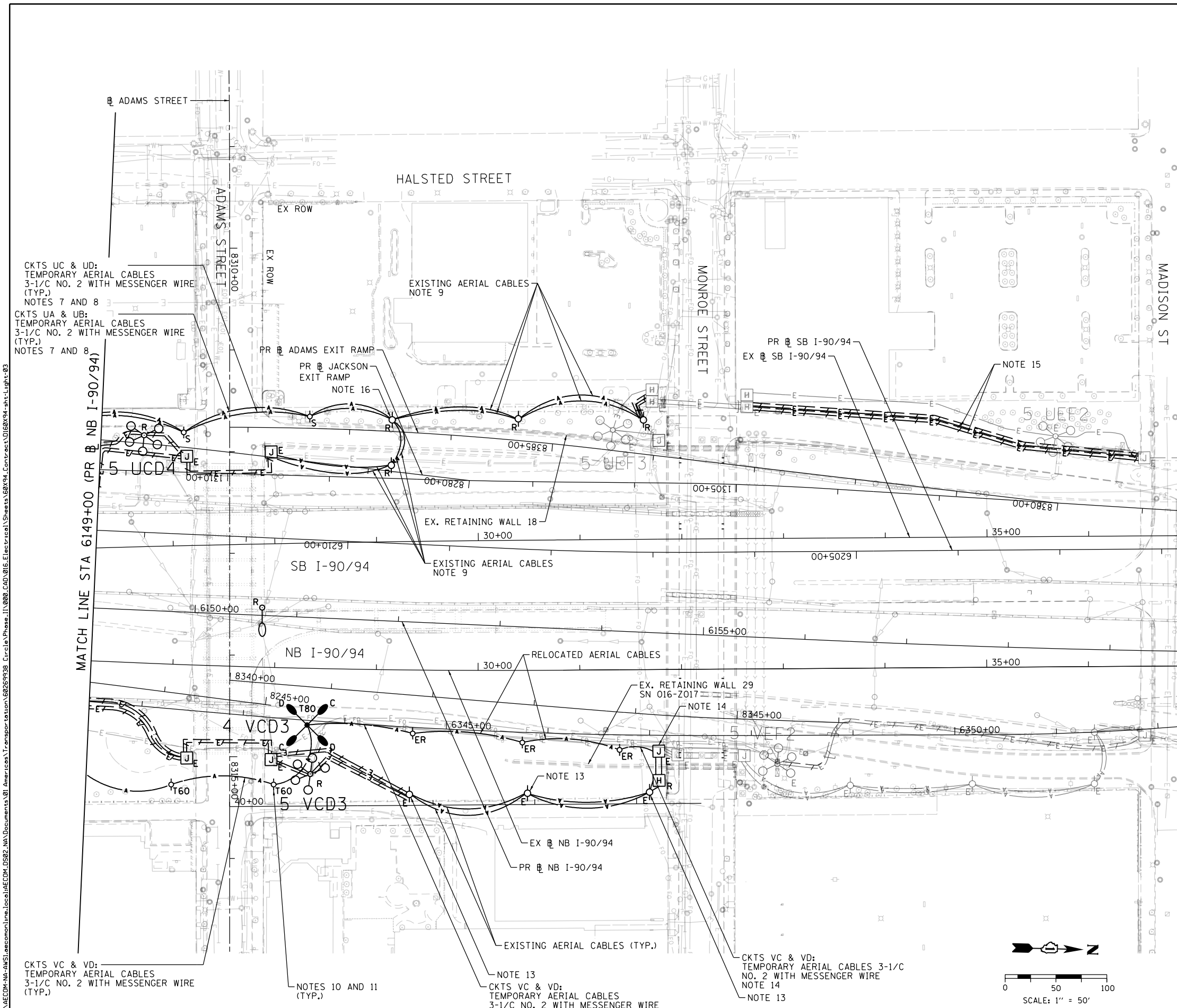
**EXISTING LIGHTING PLAN
JACKSON BOULEVARD**

SCALE: 1"=50' SHEET 2 OF 15 SHEETS STA. TO STA. 6213+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	275
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

NOTES:

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- THE EXISTING ELECTRICAL SYSTEMS, AS DEPICTED ON THE PLANS, ARE INTENDED TO INDICATE THE GENERAL EQUIPMENT INSTALLATIONS INVOLVED AND SHALL NOT BE CONSTRUED AS AN EXACT REPRESENTATION OF THE FIELD CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND ASCERTAIN THE EXACT CONDITION, SIZE, TYPE, QUANTITY AND LOCATION OF THE EXISTING ELECTRICAL EQUIPMENT. ANY DISCREPANCIES BETWEEN THE ACTUAL EXISTING ELECTRICAL EQUIPMENT IN THE FIELD AND THE DEPICTION OF THE EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER FOR RESOLUTION. FAILURE TO VERIFY THE CONDITIONS, DIMENSIONS AND DETAILS OF THE EXISTING ELECTRICAL EQUIPMENT TO CONFIRM THAT THE NEW EQUIPMENT IS COMPATIBLE WITH THE EXISTING EQUIPMENT AND CAN BE PROPERLY INSTALLED AND CONNECTED AS SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR PROVIDING A SAFE, COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM.
- ALL WORK SHOWN ON THIS DRAWING MUST BE COORDINATED WITH THIS CONTRACT'S CONSTRUCTION WORK AND STAGING.
- IDOT CONTRACTS 62A77, 62A76 AND 60Y00 WILL BE ONGOING SIMULTANEOUSLY WITH THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ELECTRICAL WORK FOR THIS CONTRACT WITH THE WORK IN THOSE CONTRACTS. THIS COORDINATION WORK SHALL BE INCLUDED AT NO ADDITIONAL COST TO THIS CONTRACT.
- ALL OF THE EXISTING LIGHTING UNITS AND LIGHTING CIRCUITS CURRENTLY FED FROM EXISTING IDOT LIGHTING CONTROLLERS SHALL REMAIN ENERGIZED DURING NIGHTTIME HOURS FOR THE DURATION OF THE CONTRACT. ANY TEMPORARY POWER REQUIRED TO KEEP THE LIGHTING SYSTEM ENERGIZED WILL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
- ATTACH THE TEMPORARY AERIAL LIGHTING CIRCUIT CABLES TO THE EXISTING WOOD POLES USED FOR THE TEMPORARY ITS FEEDS. PROVIDE 50 FEET OF SLACK CABLE AT EACH WOOD POLE TO ALLOW FOR RELOCATION OF AERIAL CABLES DURING THE DIFFERENT STAGES OF CONSTRUCTION.
- THE TEMPORARY AERIAL LIGHTING CIRCUIT CABLES ATTACHED TO THE ITS WOOD POLES SHALL BE REMOVED ONCE THE PERMANENT LIGHTING FEEDS SHOWN ON DRAWING E-05 HAVE BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY IDOT. THE REMOVAL OF THESE TEMPORARY AERIAL CABLES SHALL BE PAID FOR BY THE "REMOVE AERIAL CABLE" PAY ITEM.
- REMOVAL OF THE AERIAL CABLES ATTACHED TO THE TEMPORARY WOOD POLES TO BE REMOVED WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE "REMOVE TEMPORARY WOOD POLE" PAY ITEM.
- THE LOCATIONS OF THE WOOD POLES SHOWN ARE APPROXIMATIONS. THE FINAL INSTALLATION LOCATION OF THE POLE SHALL BE STAKED IN THE FIELD AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION TO IDENTIFY ANY CONFLICTS WITH EXISTING/PROPOSED UTILITIES AND WORK TO BE PERFORMED BY OTHER DISCIPLINES.
- PROVIDE 50 FEET OF SLACK CABLE AT EACH TEMPORARY WOOD POLE TO ALLOW FOR RELOCATION OF AERIAL CABLES DURING THE DIFFERENT STAGES OF CONSTRUCTION.
- THE TEMPORARY WOOD POLES, TEMPORARY LIGHTING UNITS, AND ASSOCIATED AERIAL CABLES ALONG THE EAST SIDE OF NB I-90/94 SHALL BE REMOVED ONCE THE PERMANENT FEEDS SHOWN ON DRAWING E-05 HAVE BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY IDOT. ALL UNDERGROUND FEEDS SHALL BE DISCONNECTED AND ABANDONED IN PLACE UNLESS OTHERWISE NOTED.
- RELOCATE THE EXISTING WOOD POLES AND AERIAL CABLES FOR CIRCUITS VC AND VD WEST TO THE NEW LOCATIONS SHOWN TO AVOID CONFLICT WITH CONSTRUCTION OF RW 51. THE EXISTING AERIAL CABLES FOR CIRCUITS VA AND VB SHALL BE REMOVED AND PROPERLY DISPOSED OF. THIS WORK SHALL BE INCLUDED IN THE COST OF THE "RELOCATE EXISTING WOOD POLES" PAY ITEM.
- DRILL THE EXISTING JUNCTION BOX ON THE FRONT OF EXISTING RW 29 AND CONNECT THE TEMPORARY AERIAL CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES WITHIN THE JUNCTION BOX.
- THE EXISTING UNDERGROUND LIGHTING CIRCUITS UA, UB, UC AND UD SHALL REMAIN ACTIVE UNTIL THE PROPOSED INFRASTRUCTURE HAS BEEN INSTALLED.
- SPLICE THE PROPOSED TEMPORARY AERIAL CABLES TO THE EXISTING AERIAL CABLES.



CKTS UC & UD:
TEMPORARY AERIAL CABLES
3-1/C NO. 2 WITH MESSENGER WIRE
(TYP.)
NOTES 7 AND 8

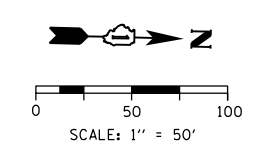
CKTS UA & UB:
TEMPORARY AERIAL CABLES
3-1/C NO. 2 WITH MESSENGER WIRE
(TYP.)
NOTES 7 AND 8

CKTS VC & VD:
TEMPORARY AERIAL CABLES
3-1/C NO. 2 WITH MESSENGER WIRE
(TYP.)

NOTES 10 AND 11
(TYP.)

NOTE 13
CKTS VC & VD:
TEMPORARY AERIAL CABLES
3-1/C NO. 2 WITH MESSENGER WIRE
(TYP.)

CKTS VC & VD:
TEMPORARY AERIAL CABLES 3-1/C
NO. 2 WITH MESSENGER WIRE
NOTE 14



FILE PATH = p:\a\AECOM\NA-ANSI\enccommon\line\local\AECOM_DS02_NA_Documents\01_Americas\Transportation\60269938_Circle Phase\11000_CAD\01E\Electrical\Sheets\60X94-shr-Light-03



D160X94-shr-Light-03
USER NAME = myersc
PLOT SCALE = 100.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - TJL	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

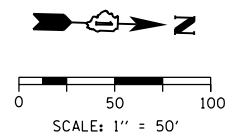
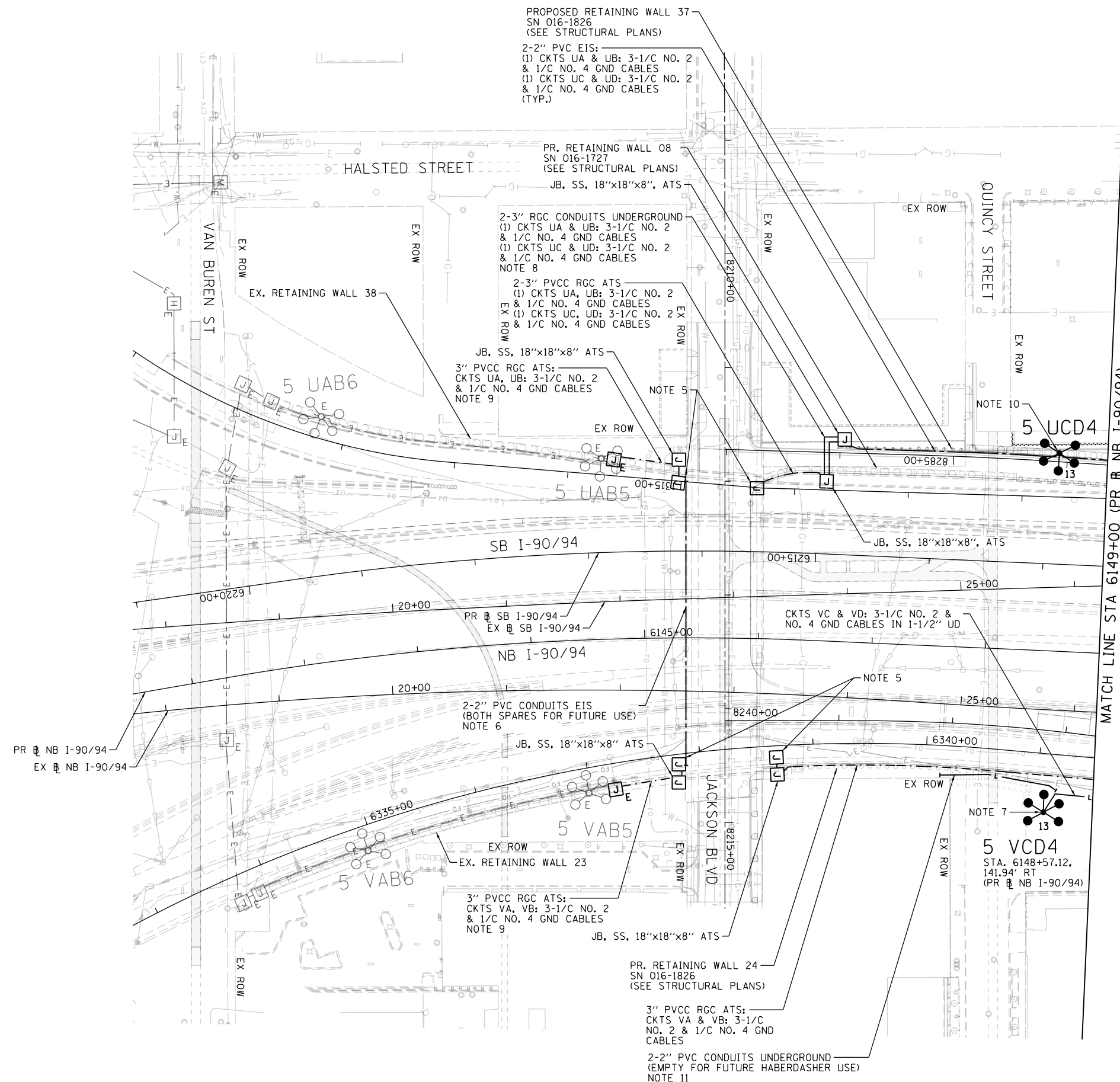
EXISTING LIGHTING PLAN
ADAMS STREET

SCALE: 1"=50' SHEET 3 OF 15 SHEETS STA. 6149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	276
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

NOTES:

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. ALL WORK SHOWN ON THIS DRAWING MUST BE COORDINATED WITH THIS CONTRACTS CONSTRUCTION WORK AND STAGING.
3. IDOT CONTRACTS 62A77, 62A76 AND 60Y00 WILL BE ONGOING SIMULTANEOUSLY WITH THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ELECTRICAL WORK FOR THIS CONTRACT WITH THE WORK IN THOSE CONTRACTS. THIS COORDINATION WORK SHALL BE INCLUDED AT NO ADDITIONAL COST TO THIS CONTRACT.
4. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
5. SEE DRAWING E-07 FOR CONTINUATION OF LIGHTING CIRCUITS.
6. THE PROPOSED CONDUITS EMBEDDED IN THE BRIDGE PARAPET SHALL BE STUBBED OUT 6 INCHES BELOW THE BRIDGE DECK OVER THE SHOULDERS AND CAPPED AT EACH END FOR FUTURE USE. SEE "CONDUIT ROUTING DETAIL" ON DRAWING E-10 FOR ADDITIONAL INFORMATION.
7. SEE DRAWING E-15 FOR PROPOSED BOLLARDS TO BE INSTALLED AROUND THE LIGHT TOWER SERVICE PAD.
8. THE PROPOSED RGC CONDUITS SHALL BE INSTALLED UNDER THE PROPOSED JACKSON EXIT RAMP. ROUTED THROUGH THE CONDUIT SLEEVES INSTALLED IN PROPOSED RETAINING WALL 08, AND TERMINATE INSIDE THE JUNCTION BOX ATTACHED TO THE FRONT FACE OF THE PROPOSED RETAINING WALL.
9. DRILL THE EXISTING JUNCTION BOX AND CONNECT THE PROPOSED LIGHTING CIRCUIT CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES INSIDE THE JUNCTION BOX.
10. SEE THE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE LIGHT TOWER FOUNDATION INTEGRAL TO PROPOSED RETAINING WALL 37.
11. ROUTE TWO 2-INCH PVC CONDUITS (EMPTY) FROM THE WEST SIDE OF THE HABERDASHER BUILDING BETWEEN THE EXISTING RETAINING WALL AT THE END OF QUINCY STREET AND PROPOSED RETAINING WALL NO. 24 TO THE GRASS AREA AS SHOWN. PROVIDE PULL CORDS AND CAP BOTH ENDS OF THE CONDUIT FOR FUTURE USE BY HABERDASHER. INSTALL THESE CONDUITS AFTER THE RETAINING WALL NO. 24 WORK HAS BEEN COMPLETED.



E-04

FILE PATH = p:\V\AECOM\NA-A\SI\encomon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase\1\000_CAD\01E\Electrical\Sheets\60X94-shr-Light-04



D160X94-shr-Light-04	DESIGNED - TJL	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

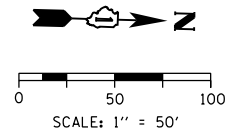
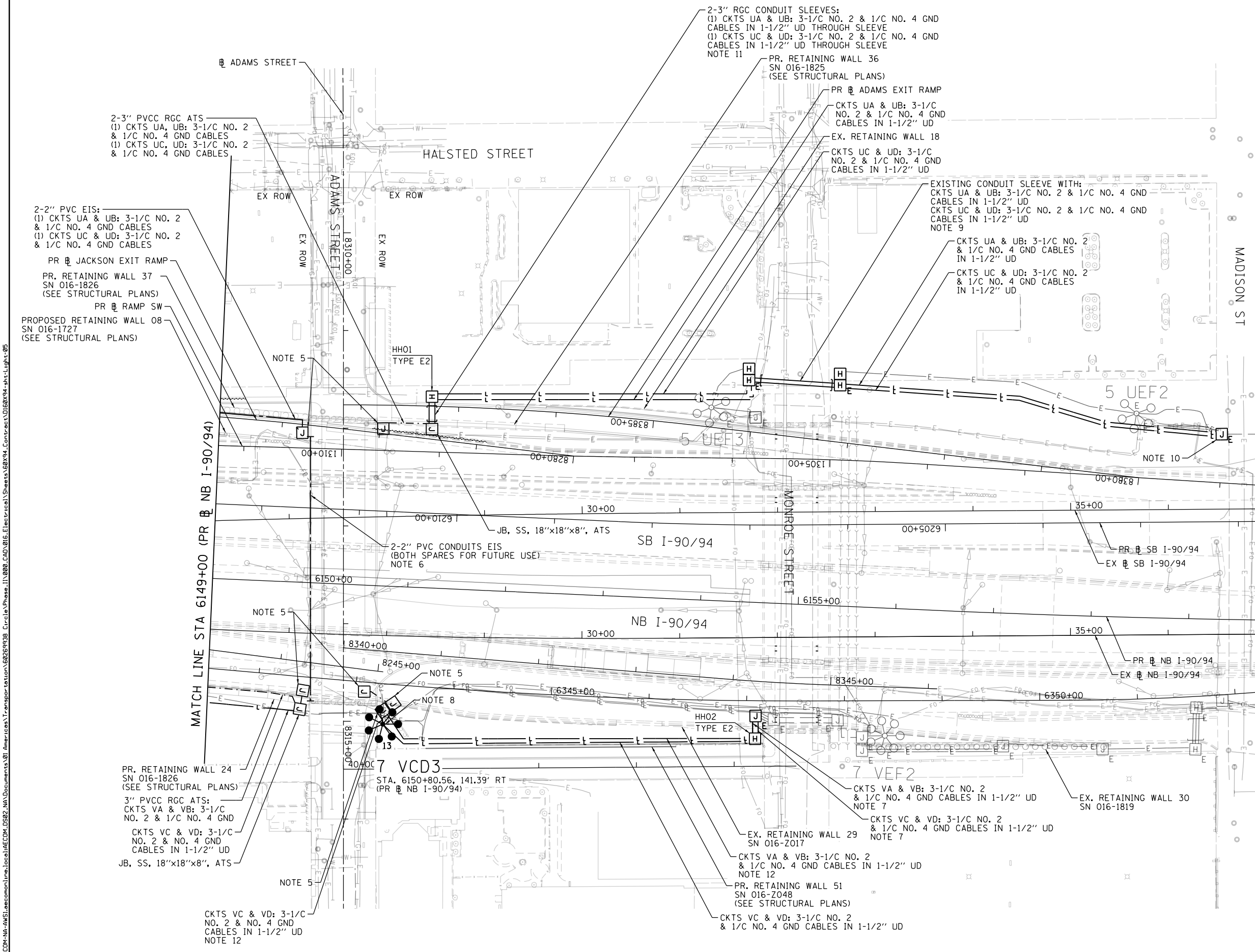
**PROPOSED LIGHTING PLAN
JACKSON BOULEVARD**

SCALE: 1"=50' SHEET 4 OF 15 SHEETS STA. TO STA. 6149+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	277
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

NOTES:

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- ALL WORK SHOWN ON THIS DRAWING MUST BE COORDINATED WITH THIS CONTRACTS CONSTRUCTION WORK AND STAGING.
- IDOT CONTRACTS 62A77, 62A76 AND 60Y00 WILL BE ONGOING SIMULTANEOUSLY WITH THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ELECTRICAL WORK FOR THIS CONTRACT WITH THE WORK IN THOSE CONTRACTS. THIS COORDINATION WORK SHALL BE INCLUDED AT NO ADDITIONAL COST TO THIS CONTRACT.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- SEE DRAWING E-06 FOR CONTINUATION OF LIGHTING CIRCUITS.
- THE PROPOSED CONDUITS EMBEDDED IN THE BRIDGE PARAPET SHALL BE STUBBED OUT 6 INCHES BELOW THE BRIDGE DECK OVER THE SHOULDERS AND CAPPED AT EACH END FOR FUTURE USE.
- ROUTE THE PROPOSED UNIT DUCT THROUGH THE EXISTING CONDUIT SLEEVES IN RETAINING WALL 29 AND SPLICE THE PROPOSED LIGHTING CIRCUIT CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES WITHIN THE EXISTING JUNCTION BOX.
- A LIGHT TOWER SERVICE PAD SHALL NOT BE INSTALLED FOR PROPOSED TOWER 7 VCD3.
- REMOVE THE EXISTING UNITDUCT FROM THE CONDUIT SLEEVE UNDER MONROE STREET AND ROD AND CLEAN THE SLEEVE PRIOR TO PULLING THE PROPOSED UNITDUCT.
- ROUTE THE PROPOSED UNIT DUCT INTO THE EXISTING CONDUIT UP TO THE EXISTING JUNCTION BOX ATTACHED TO STRUCTURE. REMOVE THE EXISTING LIGHTING CIRCUIT CABLES FROM THE CONDUIT AND ROD AND CLEAN THE CONDUIT PRIOR TO INSTALLING THE NEW LIGHTING CIRCUITS.
- CORE DRILL TWO HOLES THROUGH EXISTING RETAINING WALL 17 TWELVE INCHES BELOW THE BOTTOM OF THE NEW COPING WALL. ROUTE THE PROPOSED 3-INCH RGC CONDUITS THROUGH THE CORE DRILLED HOLES INTO THE JUNCTION BOX ATTACHED TO THE FRONT FACE OF THE WALL.
- PROVIDE TWO 3-INCH PVCC RGC CONDUITS ATTACHED TO STRUCTURE TO ROUTE THE UNIT DUCT FROM GRADE UP INTO THE PROPOSED JUNCTION BOX ATTACHED TO THE BACK SIDE OF THE WINGWALL.



E-05



D160X94-sht-Light-05
 USER NAME = myersc
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/6/2020

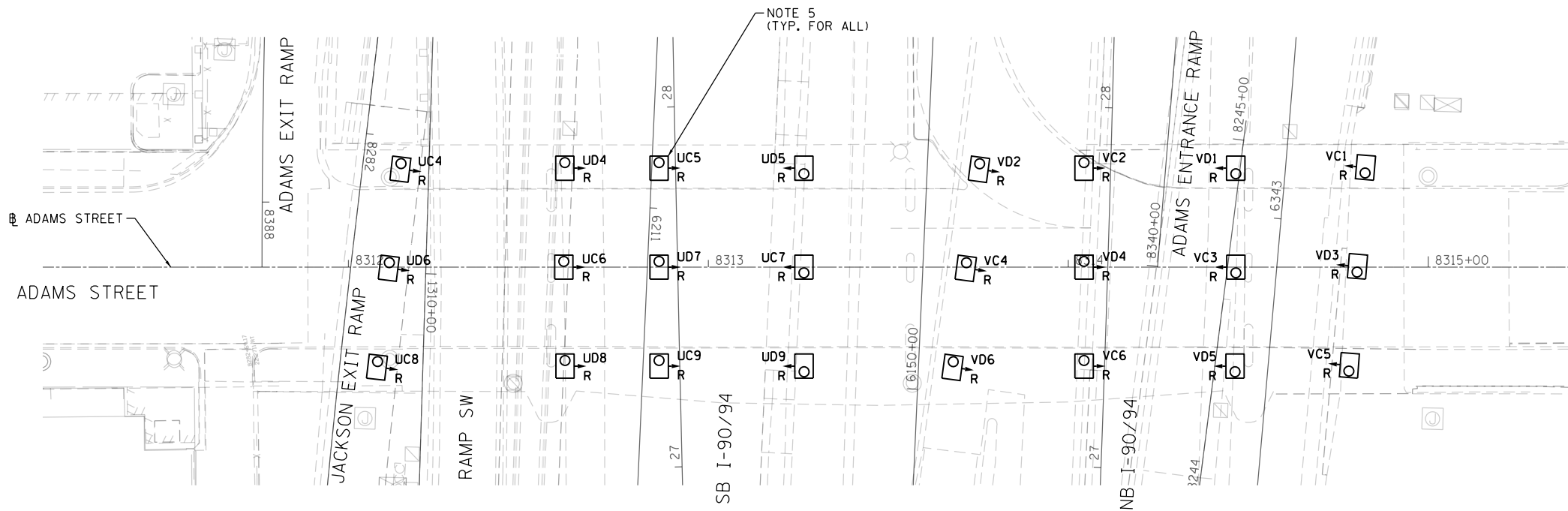
DESIGNED - TJL	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
 ADAMS STREET**
 SCALE: 1"=50' SHEET 5 OF 15 SHEETS STA. 6149+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	278
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\naecom\ms-ansi\encom\local\aedcom_0502_na_documents\01_america\transportation\60269938_Circle_Phase_11\000_CAD\01E_Electrical\Sheets\60X94_Contract\0160X94_sht-Light-06

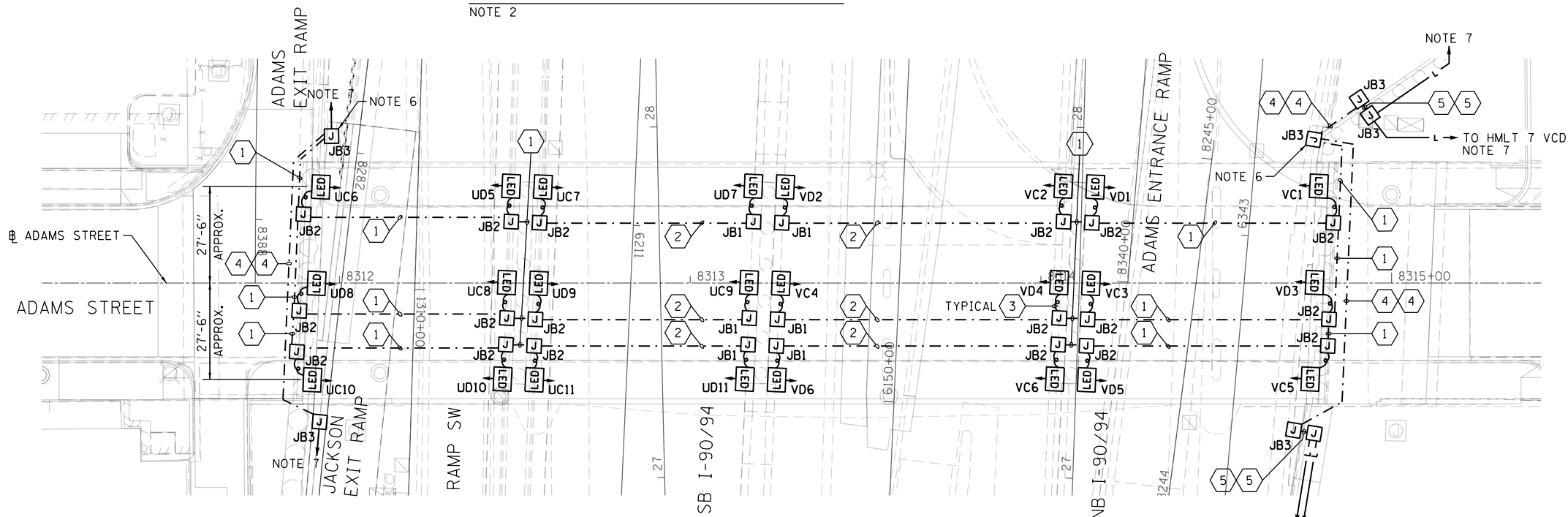


EXISTING UNDERPASS LIGHTING PLAN

NOTE 2

NOTES:

- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- SEE IDOT STANDARD DRAWING BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR THE PROPOSED PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.
- ALL PROPOSED UNDERPASS LIGHTING UNITS SHOWN ON THIS DRAWING WILL BE FED FROM EXISTING IDOT LIGHTING CONTROLLERS "U" AND "V".
- THE REMOVAL OF EXISTING UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, JUNCTION BOXES, AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. COST FOR THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED AS PART OF THE "REMOVAL OF LIGHTING UNIT, NO SALVAGE" PAY ITEM.
- PROVIDE TERMINAL BLOCKS AND 30A FUSES IN THE JUNCTION BOX FOR SPLICING THE NO. 10 UNDERPASS LIGHTING WIRES TO THE NO. 2 LIGHTING CIRCUITS WIRES. SEE DRAWING E-10 FOR TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM.
- SEE DRAWING E-05 FOR CONTINUATION OF THE LIGHTING CIRCUIT ROUTING.



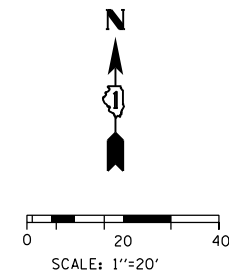
PROPOSED UNDERPASS LIGHTING PLAN

NOTE 4

LED UNDERPASS LUMINAIRE TYPE D

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"X6"X4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB2	12"X10"X6"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB3	18"X18"X8"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
1	3-1/C*10, 1-1/C*10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
2	2-1/C*10, 1-1/C*10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
3	2-1/C*10, 1-1/C*10 GND IN 3/4" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)
4	3-1/C*2, 1-1/C*4 GND IN 3" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
5	3-1/C*2, 1-1/C*4 GND IN 3" DIA PVC EMBEDDED IN STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)



D160X94-sht-Light-06
 USER NAME = myersc
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - TJL
 DRAWN - CAM
 CHECKED - WDS
 DATE - 3-13-2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

UNDERPASS LIGHTING PLAN
 ADAMS STREET

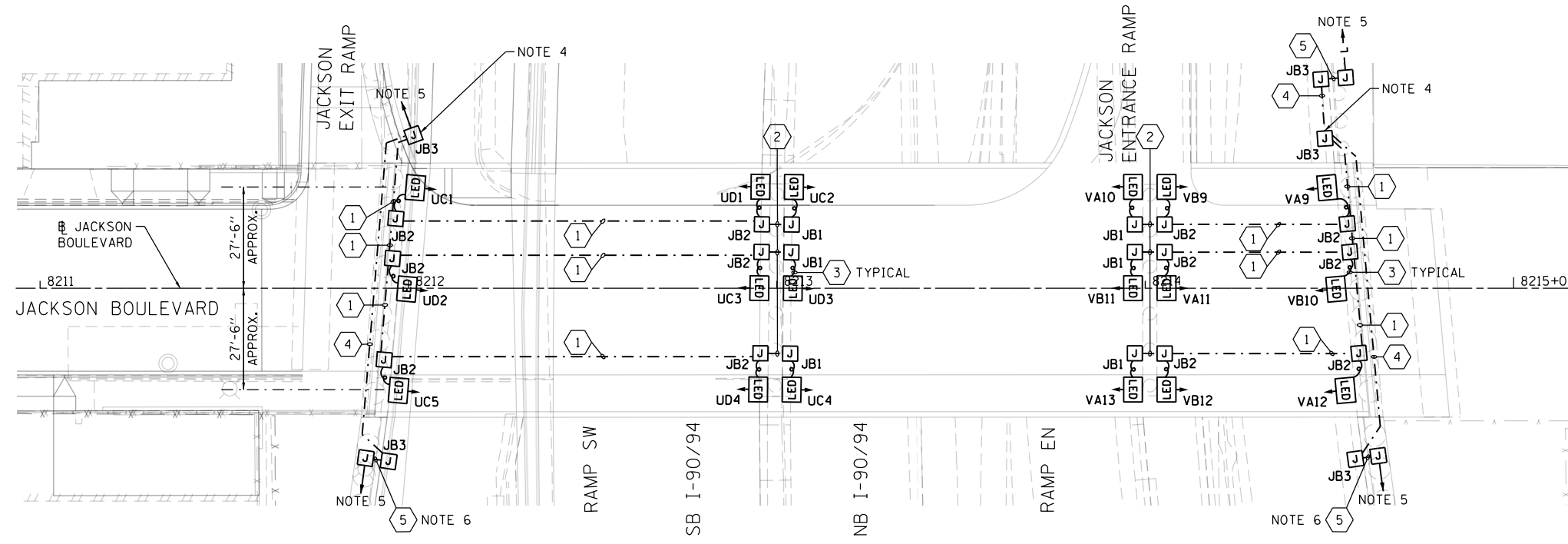
SCALE: 1"=20' SHEET 6 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	279
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

E-06

NOTES:

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE IDOT STANDARD DRAWING BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR THE PROPOSED PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.
3. ALL PROPOSED UNDERPASS LIGHTING UNITS SHOWN ON THIS DRAWING WILL BE FED FROM EXISTING IDOT LIGHTING CONTROLLERS "U" AND "V".
4. PROVIDE TERMINAL BLOCKS AND 30A FUSES IN THE JUNCTION BOX FOR SPLICING THE NO. 10 UNDERPASS LIGHTING WIRES TO THE NO. 2 LIGHTING CIRCUITS WIRES. SEE DRAWING E-10 FOR TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM.
5. SEE DRAWING E-04 FOR CONTINUATION OF THE LIGHTING CIRCUIT ROUTING.
6. SEE DRAWING E-10 FOR THE CONDUIT ROUTING THROUGH JACKSON WINGWALL DETAIL.



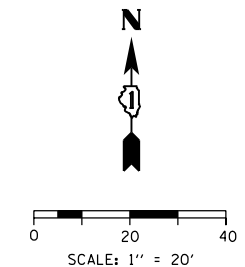
PROPOSED UNDERPASS LIGHTING PLAN

NOTE 3

LED UNDERPASS LUMINAIRE TYPE D

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"X6"X4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB2	12"X10"X6"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB3	18"X18"X8"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
1	3-1/C#10, 1-1/C#10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
2	2-1/C#10, 1-1/C#10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
3	2-1/C#10, 1-1/C#10 GND IN 3/4" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)
4	3-1/C#2, 1-1/C#4 GND IN 3" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
5	3-1/C#2, 1-1/C#4 GND IN 3" DIA PVC EMBEDDED IN STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)



E-07

FILE PATH = p:\VA\ECOM\NA-AWSI\ecomon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase\1\000_CAD\01E_Electrical\Sheets\60X94_Contract\0160X94_sht-Light-07



D160X94-sht-Light-07
 USER NAME = myersc
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - TJL
 DRAWN - CAM
 CHECKED - WDS
 DATE - 3-13-2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

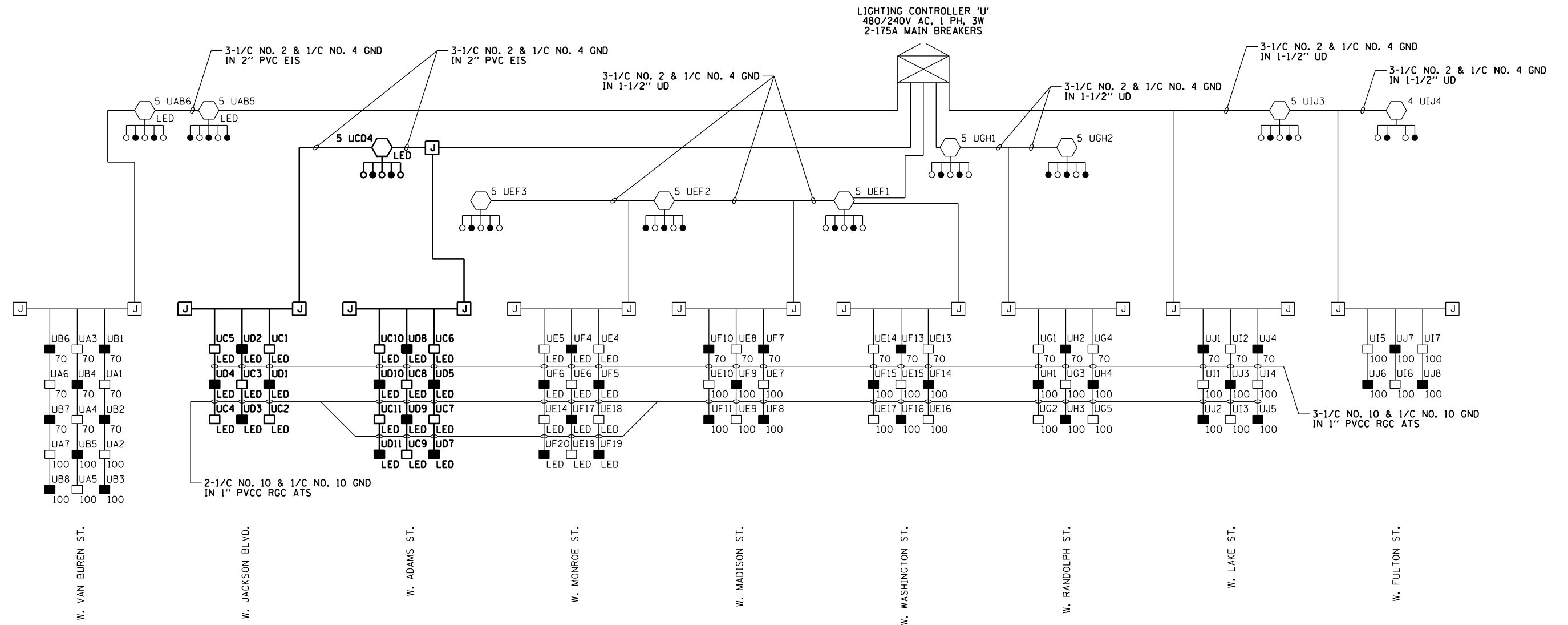
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

UNDERPASS LIGHTING PLAN
 JACKSON BOULEVARD








SCALE: 1"=20' SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	280
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\aecom\na-ansi\elecmon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle_Phase_1\000_CAD\01E_Electrical\Sheets\60X94_Contract\ID60X94-shr-Light-08



SYMBOLS LEGEND

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  UNDERPASS LIGHTING UNIT
55 WATT LPS LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT
LED LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER
400 WATT HPS LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT
70 OR 100 WATT HPS LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER
LED LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)

LOAD TABLE (240V) LIGHTING CONTROLLER "U"					
CIRCUIT	BLACK PHASE		RED PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	11.9	2862	B	12.4	2965
C	9.4	2262	D	7.4	1764
E	22.6	5412	F	20.7	4956
G	12.2	2926	H	11.8	2822
I	13.6	3262	J	12.1	2909
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	69.7	16723	TOTAL	64.2	15416



E-08



D160X94-shr-Light-08
USER NAME = myersc
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - TJL
DRAWN - CAM
CHECKED - WDS
DATE - 3-13-2020

REVISED -
REVISED -
REVISED -
REVISED -

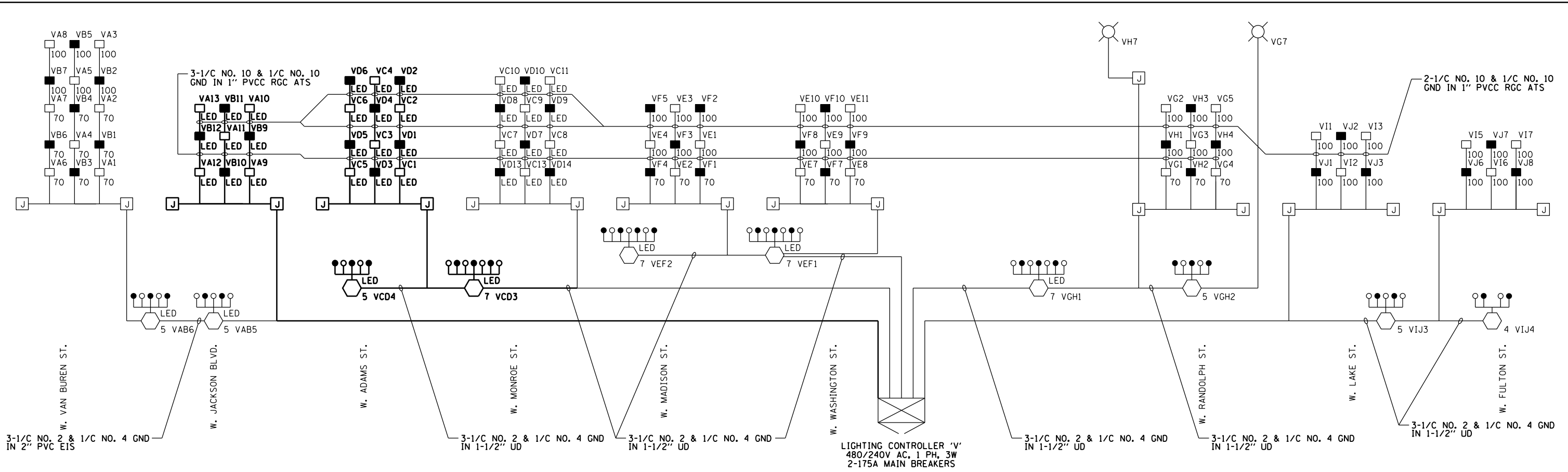
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT LIGHTING CONTROLLER 'U'
WIRING DIAGRAM








SCALE: N.T.S. SHEET 8 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	281
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\aecom\ms-ansi\encomon\line\local\AECOM_DS02_MA\Documents\01_Americas\Transportation\60269938_Circle_Phase_1\1000_CAD\01E_Electrical\Sheets\60x94-sht-Light-09



SYMBOLS LEGEND

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  UNDERPASS LIGHTING UNIT
55 WATT LPS LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT
LED LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER
400 WATT HPS LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT
70 OR 100 WATT HPS LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER
LED LUMINAIRE
(BLACK PHASE - SOLID SYMBOL
RED PHASE - OPEN SYMBOL)

LOAD TABLE (240V) LIGHTING CONTROLLER "V"					
CIRCUIT	BLACK PHASE		RED PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	15.1	3613	B	16.4	3930
C	18.8	4500	D	17.7	4248
E	20.6	4938	F	20.6	4938
G	16.9	4046	H	16.7	3997
I	16.0	3839	J	14.1	3383
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	87.2	20936	TOTAL	85.4	20496



E-09



D160X94-sht-Light-09
 USER NAME = myersc
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 3/6/2020

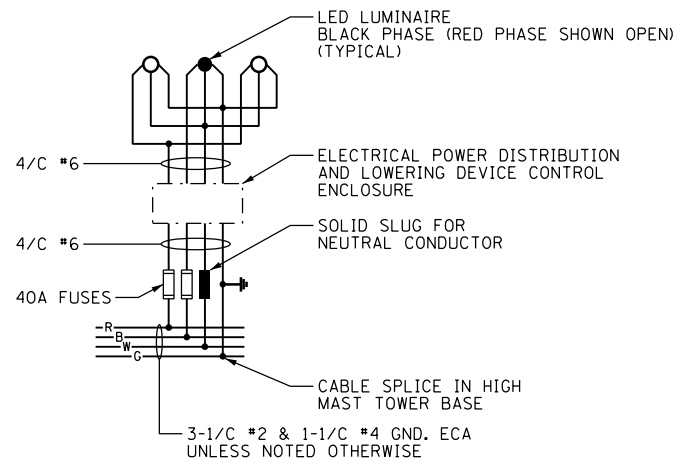
DESIGNED - TJL
 DRAWN - CAM
 CHECKED - WDS
 DATE - 3-13-2020

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

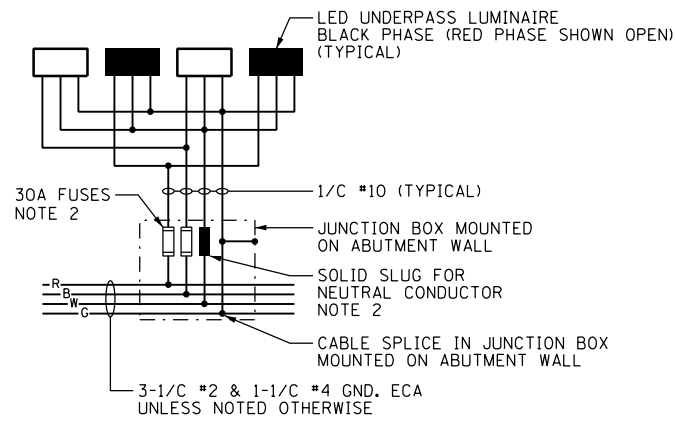
IDOT LIGHTING CONTROLLER 'V'
 WIRING DIAGRAM
 SCALE: N.T.S. SHEET 9 OF 15 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	282
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

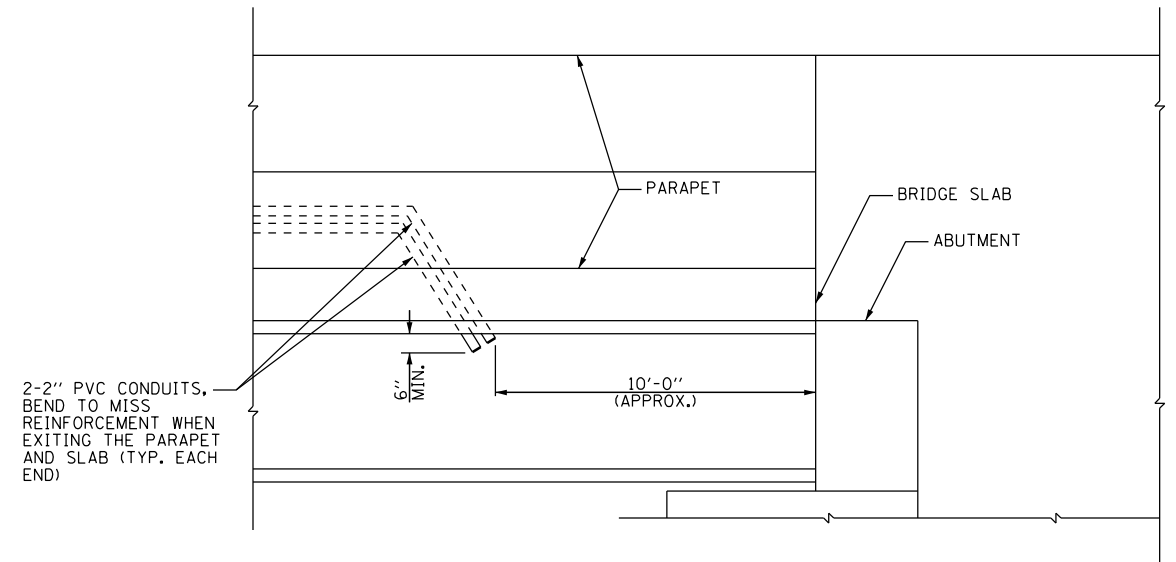
HIGH MAST LIGHT TOWER FOUNDATION SCHEDULE (NOTE 3)								
HIGH MAST LIGHT TOWER IDENTIFICATION	HIGH MAST LIGHT TOWER FOUNDATION LOCATION			HIGH MAST LIGHT TOWER FOUNDATION ELEVATIONS			HIGH MAST TOWER HEIGHT	REMARKS AND NOTES
	STATION	OFFSET	BASELINE	TOP ELEVATION	BOTTOM ELEVATION	DESIGN DEPTH (FT)		
5 VCD4	6148+57.12	141.94' RT	NB I-90/94	594.84	534.84	60	130	----
7 VCD3	6150+80.56	141.39' RT	NB I-90/94	595.80	530.80	65	130	----



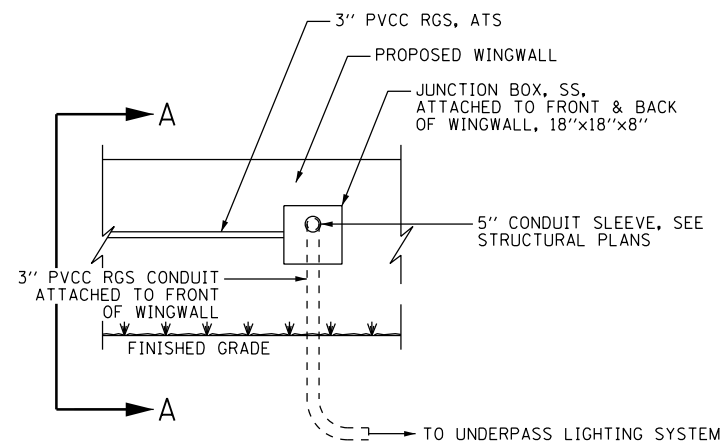
TYPICAL HIGH MAST LIGHT TOWER WIRING DIAGRAM
NOT TO SCALE



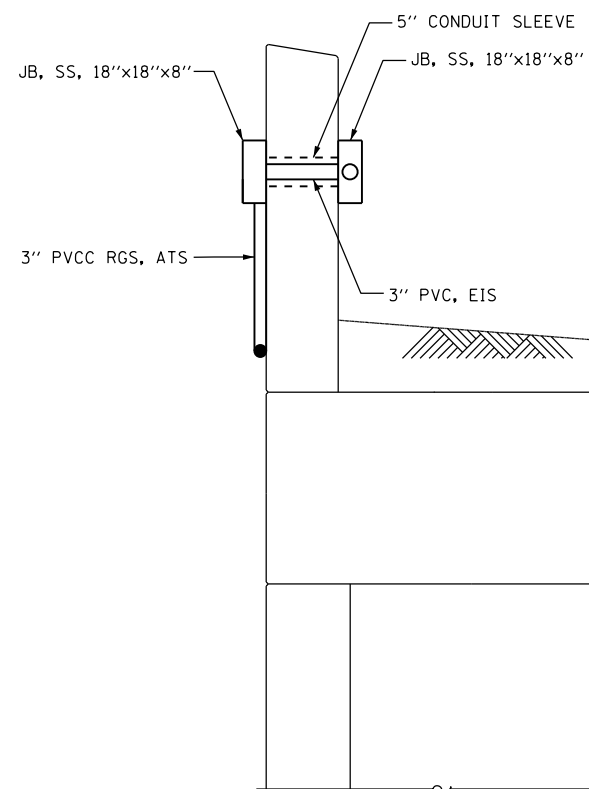
TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM
NOT TO SCALE



CONDUIT ROUTING DETAIL
NOT TO SCALE



CONDUIT ROUTING THROUGH JACKSON WINGWALL DETAIL
NOT TO SCALE



SECTION A-A
NOT TO SCALE

- NOTES:
- SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
 - THE FUSES, FUSE HOLDERS, AND SOLID SLUGS SHALL BE PROVIDED ACCORDING TO ARTICLE 1065.01 OF THE IDOT STANDARDS. THE COST OF PROVIDING THE FUSES, FUSE HOLDERS, AND SOLID SLUGS IN THE JUNCTION BOX WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE JUNCTION BOX IN WHICH THEY ARE INSTALLED.
 - SEE IDOT STANDARDS BE-506 AND BE-511 FOR LIGHT TOWER FOUNDATION DETAILS.
 - THE SCHEDULE ON THIS DRAWING REPLACES THE "SHAFT LENGTH (D) TABLE" SHOWN ON IDOT STANDARDS BE-506 AND BE-511.

FILE PATH = p:\AECOM\NA-A\SI\ecommon\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase\1\000_CAD\01E\Electrical\Sheets\60X94-shr-Light-10



D160X94-shr-Light-10
USER NAME = myersc
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - TJL
DRAWN - CAM
CHECKED - WDS
DATE - 3-13-2020

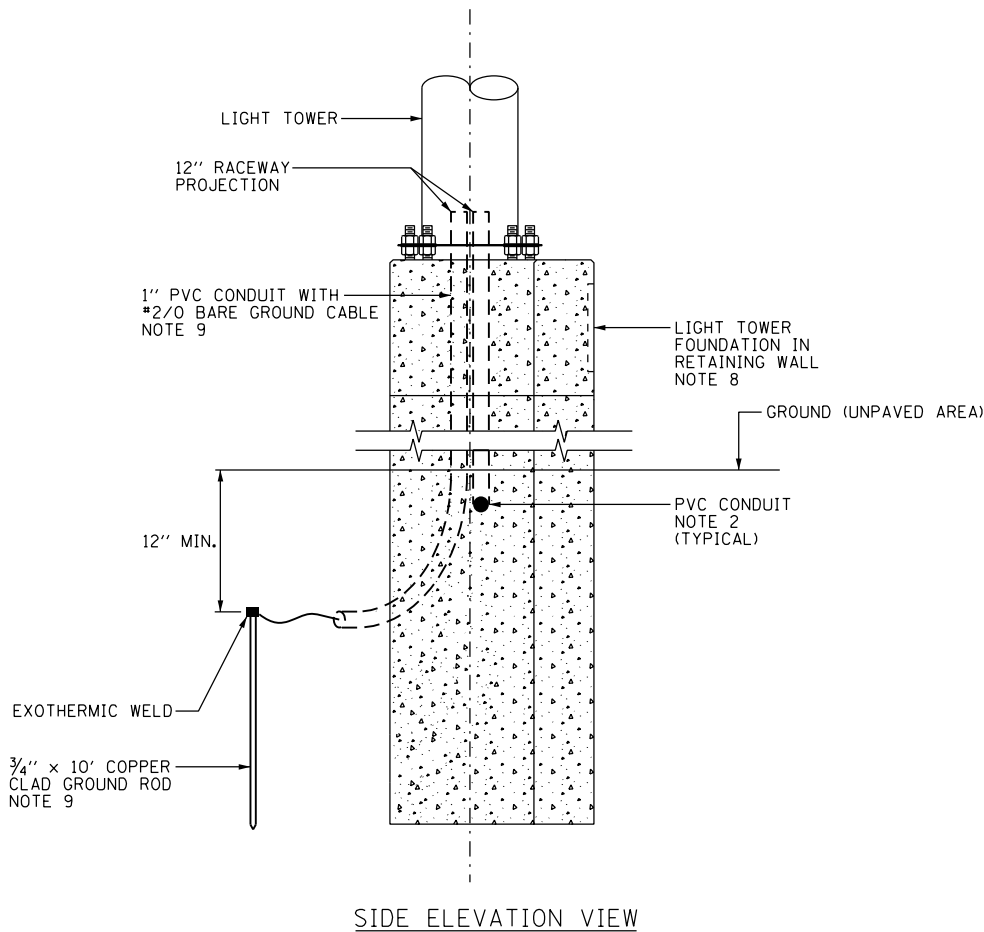
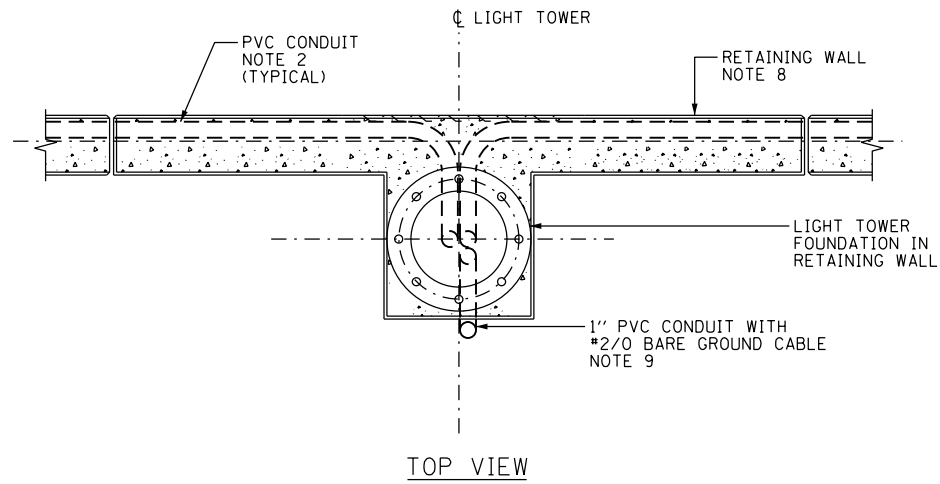
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

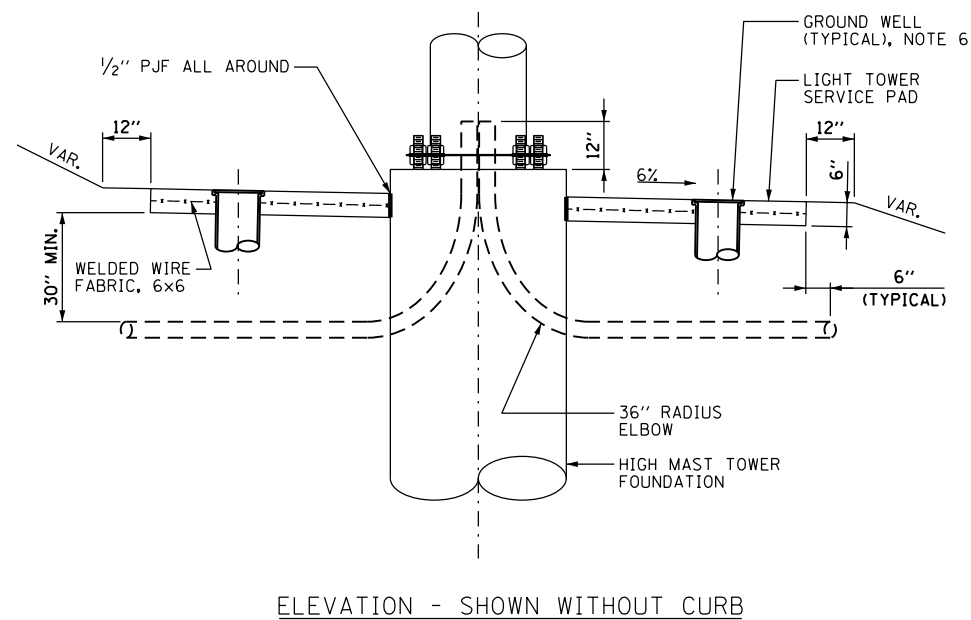
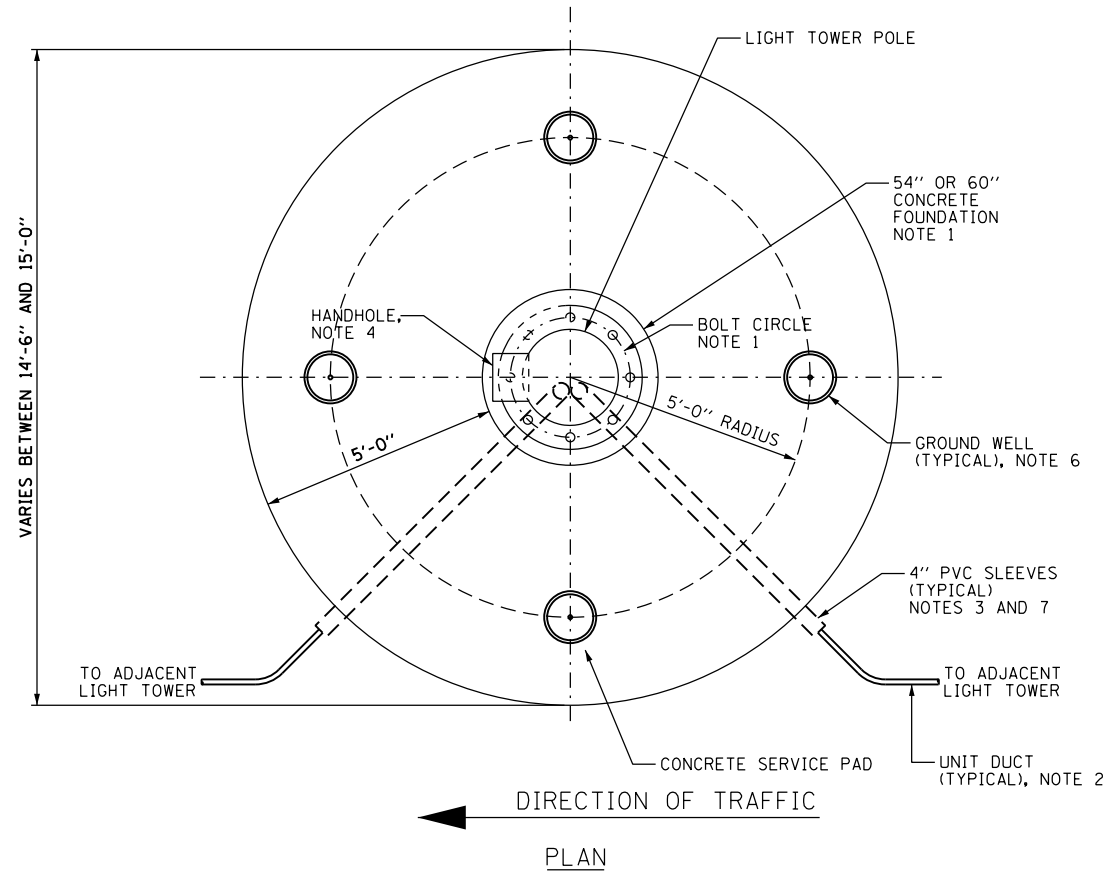
ELECTRICAL DETAILS

SCALE: N.T.S. SHEET 10 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	283
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				



CONDUIT INSTALLATION DETAIL
FOR HIGH MAST LIGHT TOWER FOUNDATION
IN RETAINING WALL
NOT TO SCALE



GROUND MOUNTED HIGH MAST TOWER SERVICE PAD,
GROUNDING AND CONDUIT INSTALLATION DETAILS
NOT TO SCALE

- NOTES:**
- SEE IDOT STANDARD DRAWING BE-506 AND BE-511 FOR ADDITIONAL HIGH MAST LIGHT TOWER FOUNDATION AND GROUND WELL DETAILS.
 - SEE ELECTRICAL PLAN DRAWINGS FOR QUANTITY, SIZE, AND TYPE OF RACEWAY AND LIGHTING CIRCUITS ROUTED TO EACH HIGH MAST LIGHT TOWER FOUNDATION.
 - PVC SLEEVES MUST BE EXTENDED 6 INCHES BEYOND THE EDGE OF THE CONCRETE PAD.
 - THE HANDHOLE FOR THE HIGH MAST LIGHTING UNIT MUST BE ORIENTED SUCH THAT IT IS MOUNTED ON THE SIDE OF THE POLE THAT IS OPPOSITE THE DIRECTION OF TRAFFIC.
 - ALL EMPTY SLEEVES MUST BE CAPPED UNLESS NOTED OTHERWISE ON THE PLANS.
 - INSTALL GROUND WELLS 5'-0" AS MEASURED FROM THE CENTER LINE OF THE HIGH MAST TOWER TO THE CENTER LINE OF THE WELL.
 - PVC CONDUIT SLEEVES SHALL BE INCLUDED IN THE COST OF THE LIGHT TOWER FOUNDATION AND SHALL NOT BE PAID FOR SEPARATELY.
 - SEE STRUCTURAL PLANS FOR THE FOUNDATION INSTALLATION DESIGN DETAILS.
 - ALL NECESSARY WORK AND MATERIALS FOR GROUNDING SHALL BE INCLUDED IN THE COST OF THE RETAINING WALL.

FILE PATH = p:\VAC\CDM-Na-AWS\elecmon\line\local\AECOM_0502_1A\Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\01E\Electrical\Sheets\60X94_Contract\0160X94-sht-Light-11



D160X94-sht-Light-11
USER NAME = myersc
PLOT SCALE = 2.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - TJL
DRAWN - CAM
CHECKED - WDS
DATE - 3-13-2020

REVISED -
REVISED -
REVISED -
REVISED -

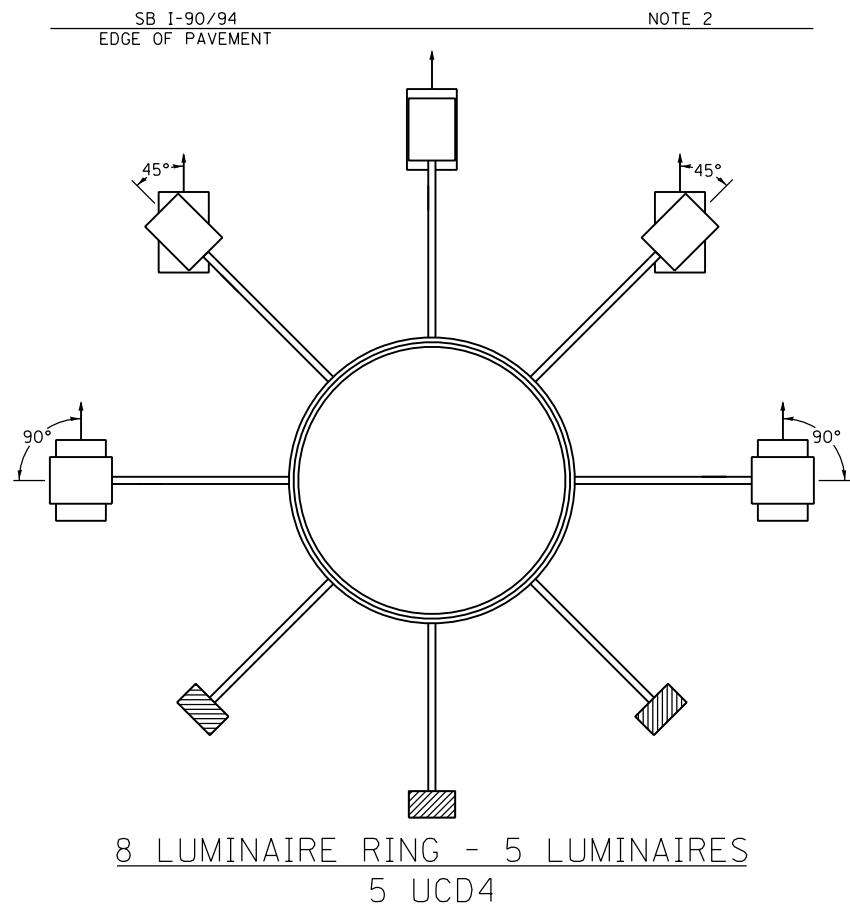
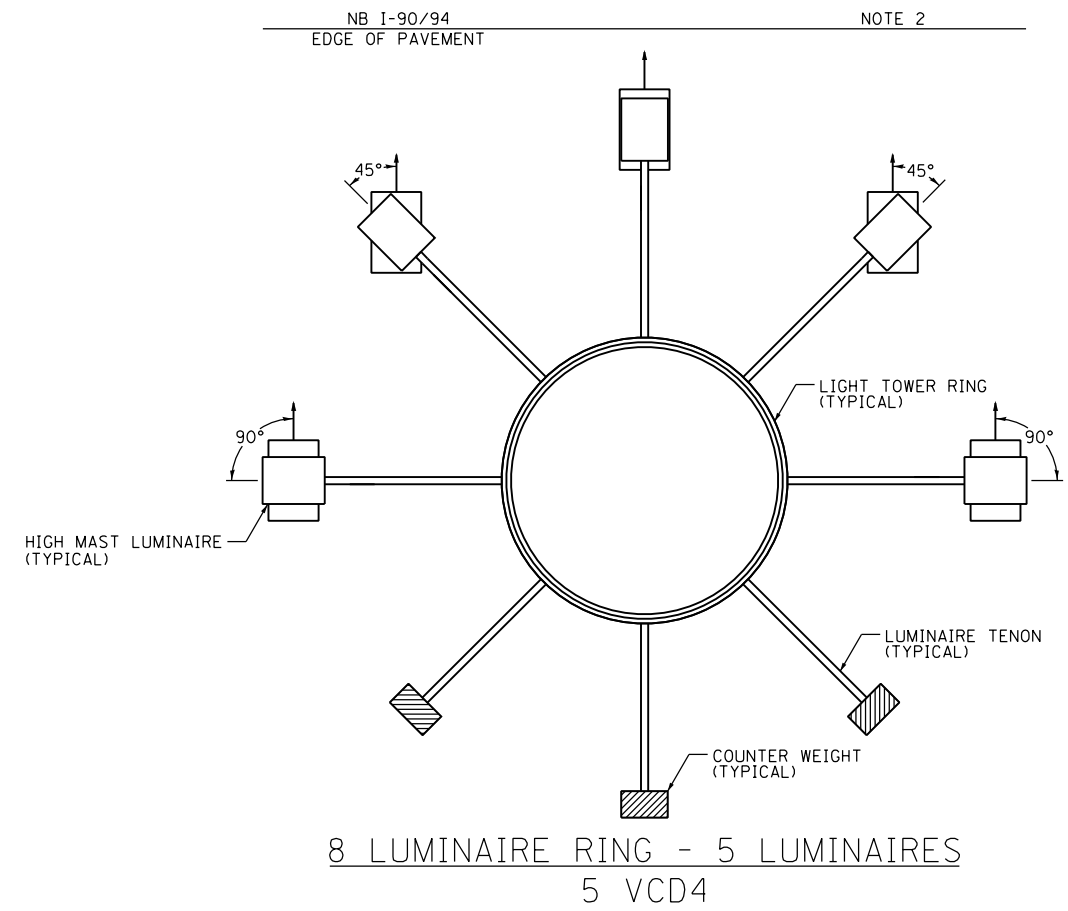
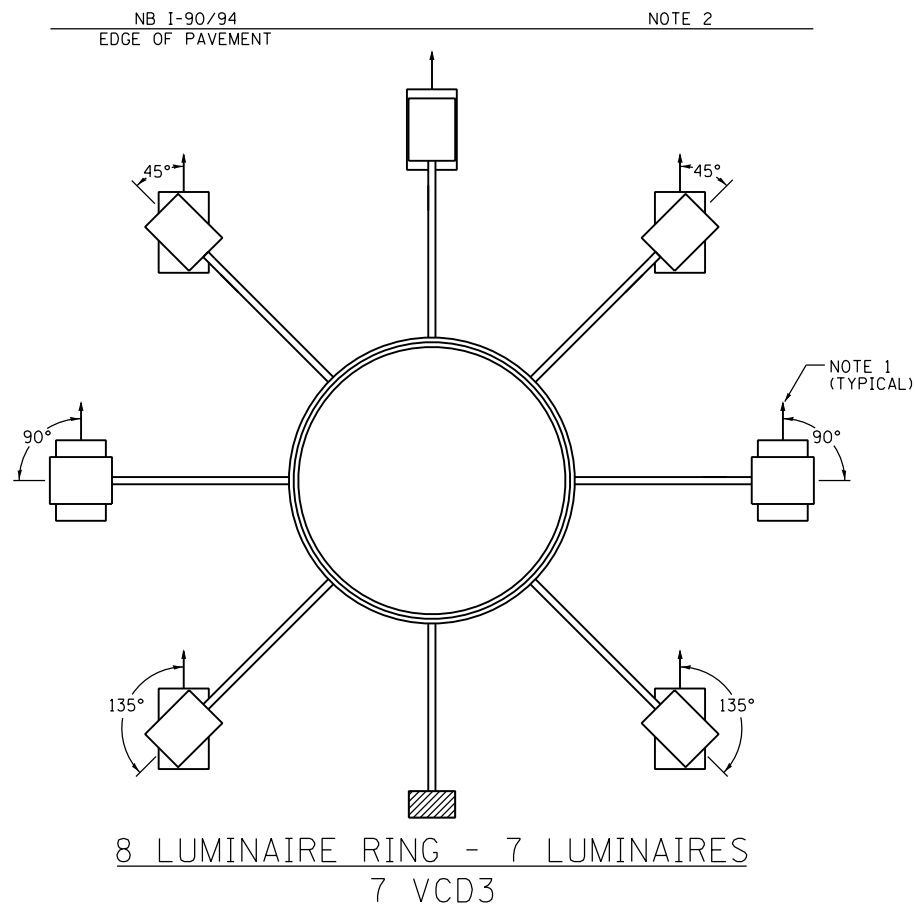
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT TOWER SERVICE PAD AND CONDUIT DETAILS

SCALE: N.T.S. SHEET 11 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	284
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\electrical\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle_Phase_1\1000_CAD\01E.Electrical\Sheets\60X94_Contract\0160X94_sht-Light-12



VIEW LOOKING FROM TOP OF LIGHT TOWERS

NOTES:

1. LUMINAIRE DISTRIBUTION PATTERN DIRECTION AS INDICATED BY ARROW.
2. ROTATE THE LUMINAIRES TOWARDS THE ROADWAY AS SHOWN.



D160X94-sht-Light-12	DESIGNED - TJL	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

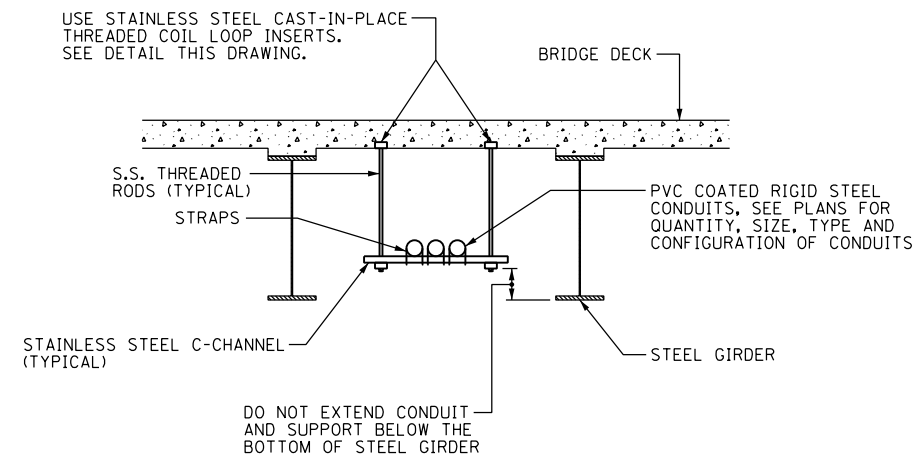
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER LUMINAIRE ORIENTATION

SCALE: N.T.S. SHEET 12 OF 15 SHEETS STA. TO STA.

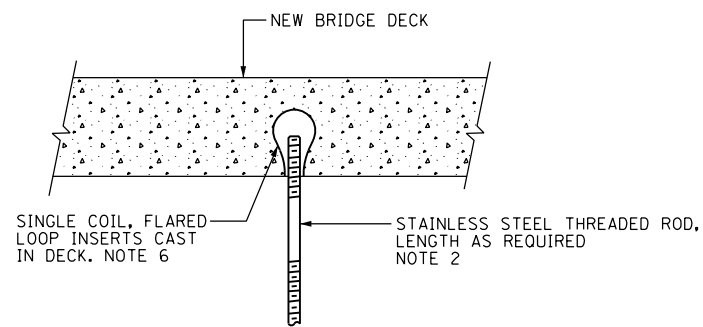
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	285
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\na\ecom\na-ansi\ecommon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\01E.Electrical\Sheets\60X94-shr-Light-13



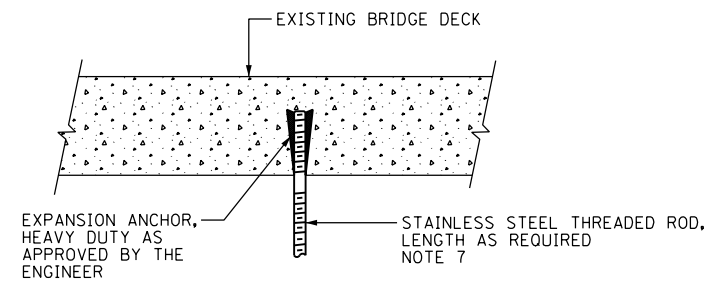
TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK DETAIL

SCALE: NOT TO SCALE
NOTES 3 & 5

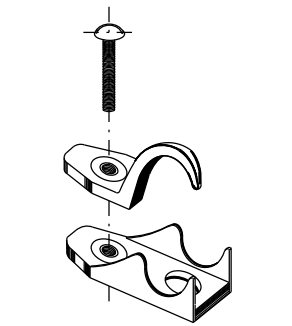


NEW BRIDGE DECK THREADED ROD INSTALLATION ANCHOR DETAILS

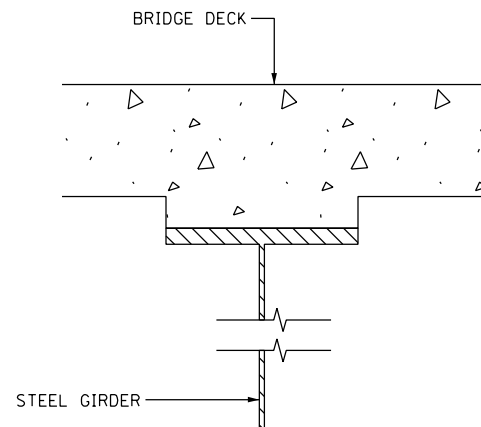
SCALE: NOT TO SCALE



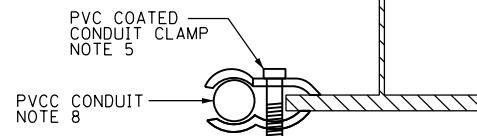
EXISTING BRIDGE DECK THREADED ROD INSTALLATION ANCHOR DETAILS



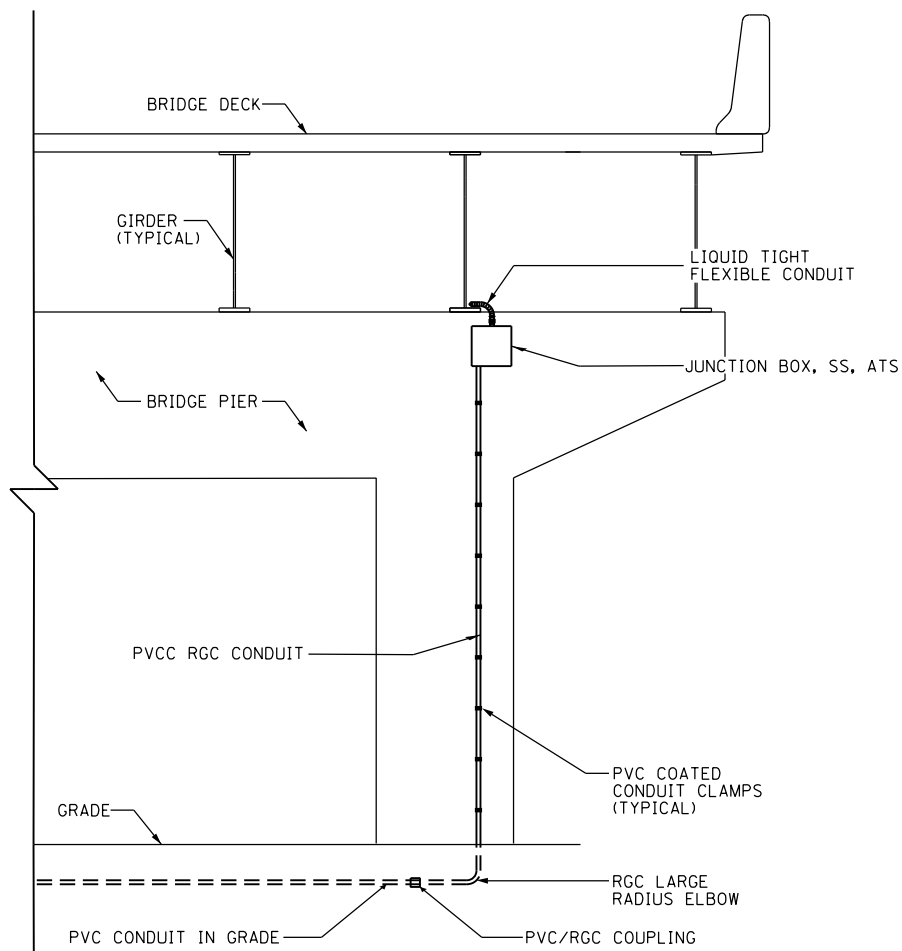
PVC COATED CONDUIT CLAMP
NOT TO SCALE NOTE 7



CONDUIT BEAM CLAMPED INSTALLATION DETAIL



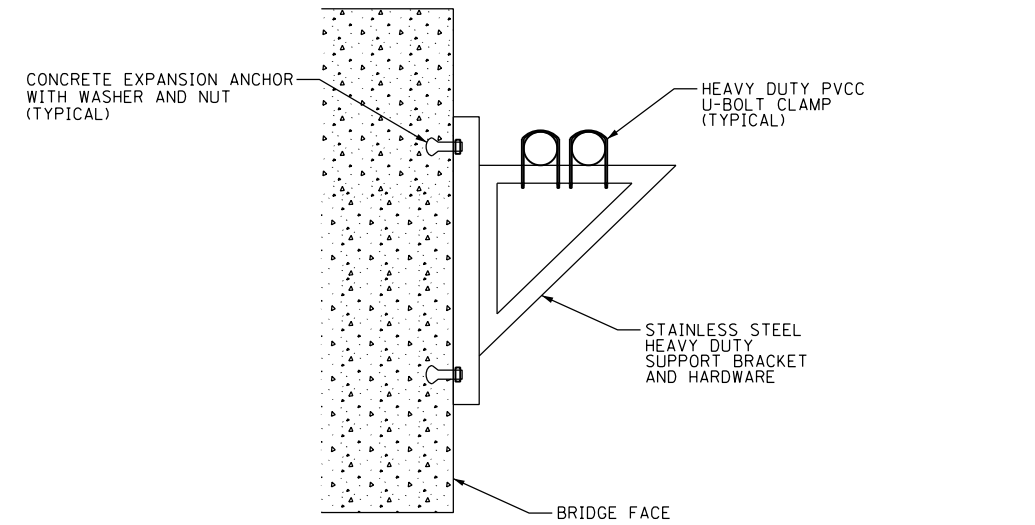
PVC COATED CONDUIT BEAM CLAMP
NOT TO SCALE NOTE 7



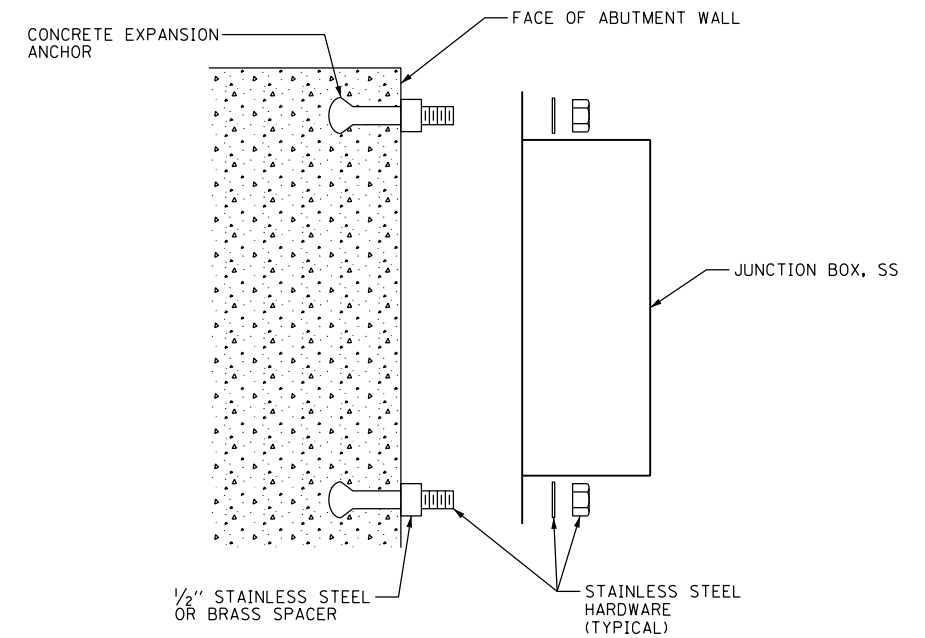
VERTICAL CONDUIT ATTACHED TO STRUCTURE DETAIL
NOT TO SCALE

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR ATTACHING CONDUITS AND JUNCTION BOXES TO A STRUCTURE. ALL WORK REQUIRED TO ATTACH CONDUIT TO STRUCTURES MUST COMPLY WITH SECTION 811 OF THE STANDARD SPECIFICATIONS AND ALL MATERIALS MUST COMPLY WITH SECTION 1088 OF THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR MUST COORDINATE THREADED ROD END SIZES WITH THE C-CHANNEL AND FLARED LOOP INSERT MANUFACTURERS.
3. THE CONDUIT SUPPORT SYSTEM ATTACHED TO THE BRIDGE STRUCTURE, INCLUDING THE CONCRETE INSERTS AND MOUNTING HARDWARE, WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST FOR THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
4. SEE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
5. ALL MOUNTING HARDWARE FOR THE PVCC RGC CONDUIT MUST BE PVC COATED.
6. THE CONTRACTOR MUST USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN PENDANT MOUNTING THREADED RODS TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE INSERT LOCATIONS IN THE FIELD AND COORDINATING ALL WORK WITH THE BRIDGE DECK CONSTRUCTION.
7. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS WILL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
8. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.



MOUNTING BRACKET FOR MULTIPLE CONDUITS
NOT TO SCALE



JUNCTION BOX MOUNTED TO STRUCTURE
NOT TO SCALE



D160X94-shr-Light-13
 USER NAME = myersc
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - TJL
 DRAWN - CAM
 CHECKED - WDS
 DATE - 3-13-2020

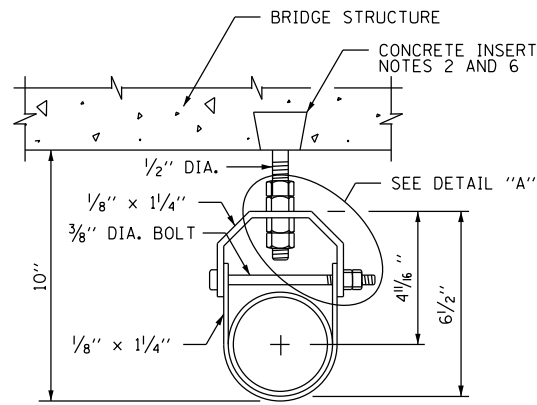
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS ELECTRICAL DETAILS

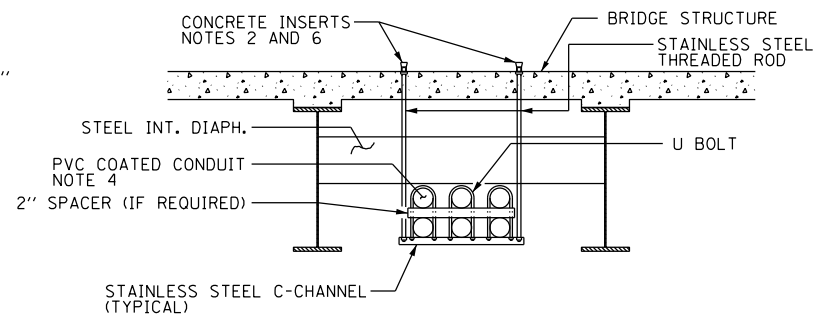
SCALE: N.T.S. SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	286
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\na\ecom\na-ansi\elecmon\line\local\ecom\0502-na\Documents\01-Americas\Transportation\60269938-Circle Phase\11000-CAD\01E-Electrical\Sheets\60x94-Contract\0160x94-sht-Light-14

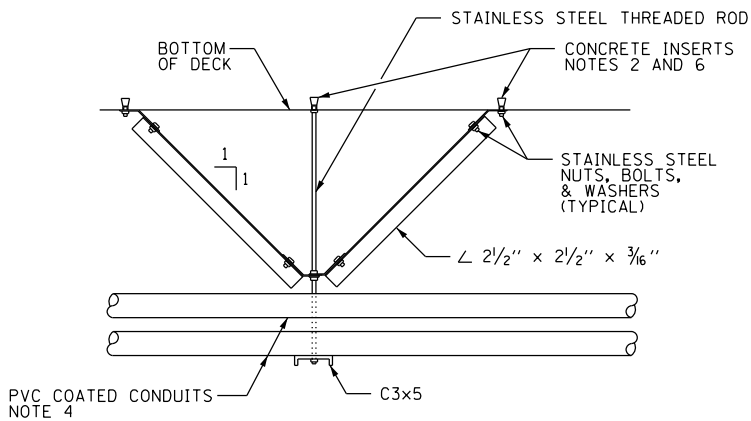


CONDUIT HANGER DETAIL



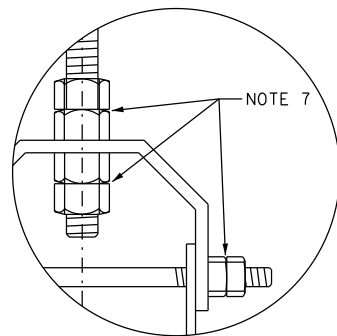
TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK WITH DIAPHRAGM DETAIL

NOTES 2 AND 3

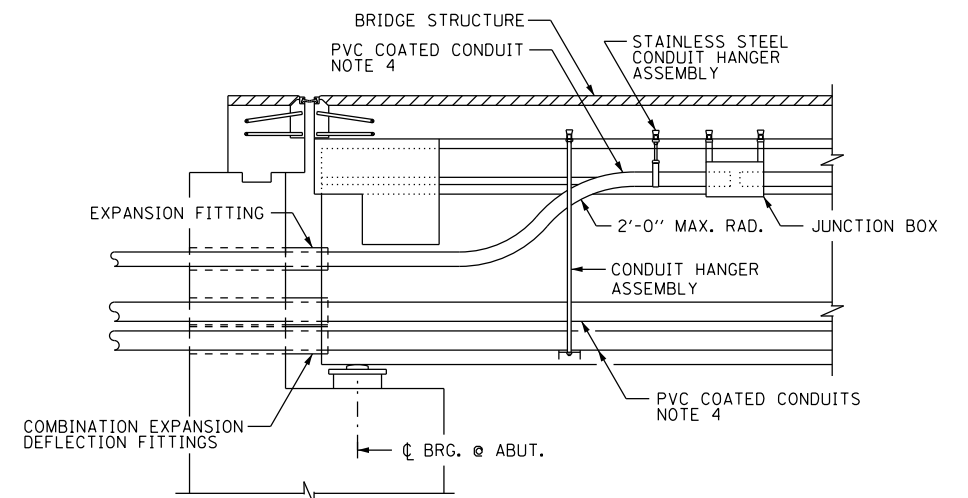


CENTERING DEVICE DETAIL - SIDE VIEW

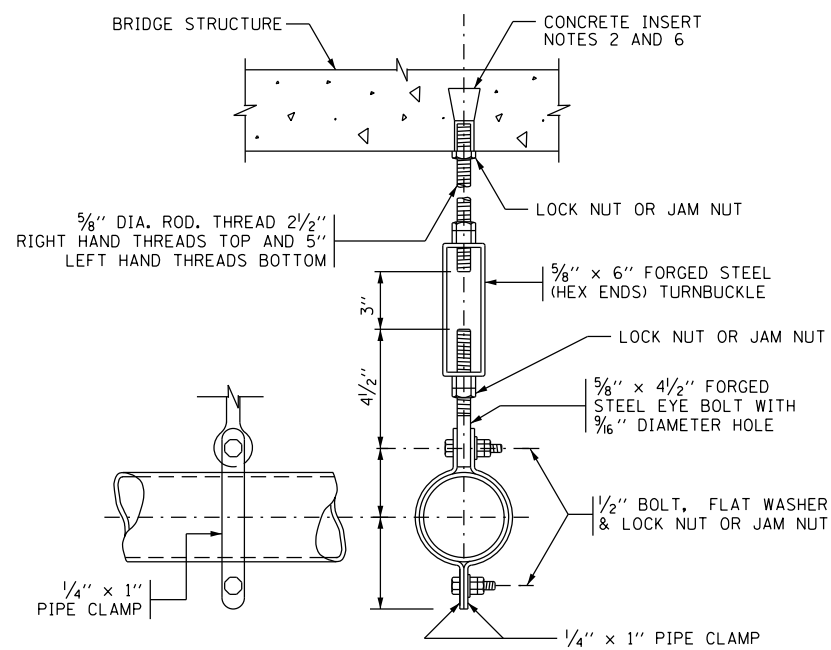
(LOCATED ONLY ON A HANGER ADJACENT TO PIER)



DETAIL "A"

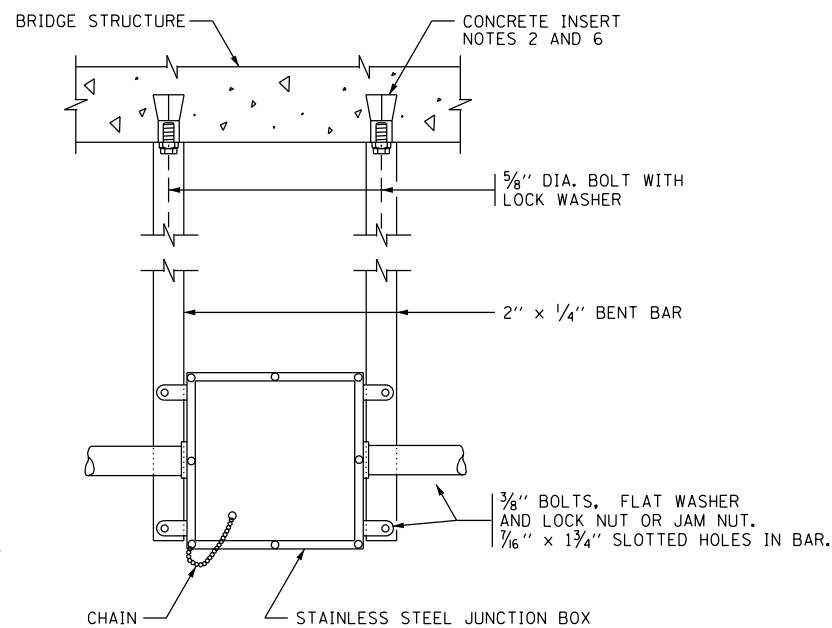


LONGITUDINAL SECTION



HANGER ASSEMBLY

EACH HANGER ASSEMBLY SHALL CONSIST OF CONCRETE INSERT, STAINLESS STEEL ROD, PIPE CLAMPS, NUTS, BOLTS, WASHERS, TURNBUCKLE AND EYE BOLT



JUNCTION BOX SUSPENDED FROM STRUCTURE DETAILS

NOTE 5

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR ATTACHING CONDUITS AND JUNCTION BOXES TO A STRUCTURE. ALL WORK REQUIRED TO ATTACH CONDUITS TO STRUCTURES MUST COMPLY WITH SECTION 811 OF THE STANDARD SPECIFICATIONS AND ALL MATERIALS MUST COMPLY WITH SECTION 1088 OF THE STANDARD SPECIFICATIONS.
2. SEE DRAWING E-13 FOR ADDITIONAL CONDUIT MOUNTING DETAILS AND FOR DETAILS REGARDING THE INSTALLATION OF CONCRETE INSERTS.
3. THE CONDUIT SUPPORT SYSTEM ATTACHED TO THE BRIDGE STRUCTURE, INCLUDING THE CONCRETE INSERTS AND MOUNTING HARDWARE, WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST FOR THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
4. SEE THE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
5. THE JUNCTION BOX SUPPORT SYSTEM ATTACHED TO THE BRIDGE STRUCTURE, INCLUDING THE CONCRETE INSERTS AND ALL MOUNTING HARDWARE, WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST FOR THE "JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE" PAY ITEM.
6. SPACE INSERTS AT 10 FOOT (MAXIMUM) CENTERS.
7. PROVIDE STAINLESS STEEL DOUBLE NUTS, JAM NUTS OR LOCK NUTS FOR THIS INSTALLATION.
8. PROVIDE CONDUIT SLEEVES IN THE BRIDGE ABUTMENT AS REQUIRED TO ROUTE THE CONDUITS THROUGH THE STRUCTURE AS SHOWN. THE DIAMETER OF THE SLEEVES SHALL BE A MINIMUM OF 2 INCHES LARGER IN DIAMETER THAN THE DIAMETER OF THE CONDUIT. PROVIDE WATERPROOF SEALANT IN THE INTERSTITIAL SPACE BETWEEN THE SLEEVE AND THE CONDUIT.



D160X94-sht-Light-14
 USER NAME = myersc
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - TJL
 DRAWN - CAM
 CHECKED - WDS
 DATE - 3-13-2020

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

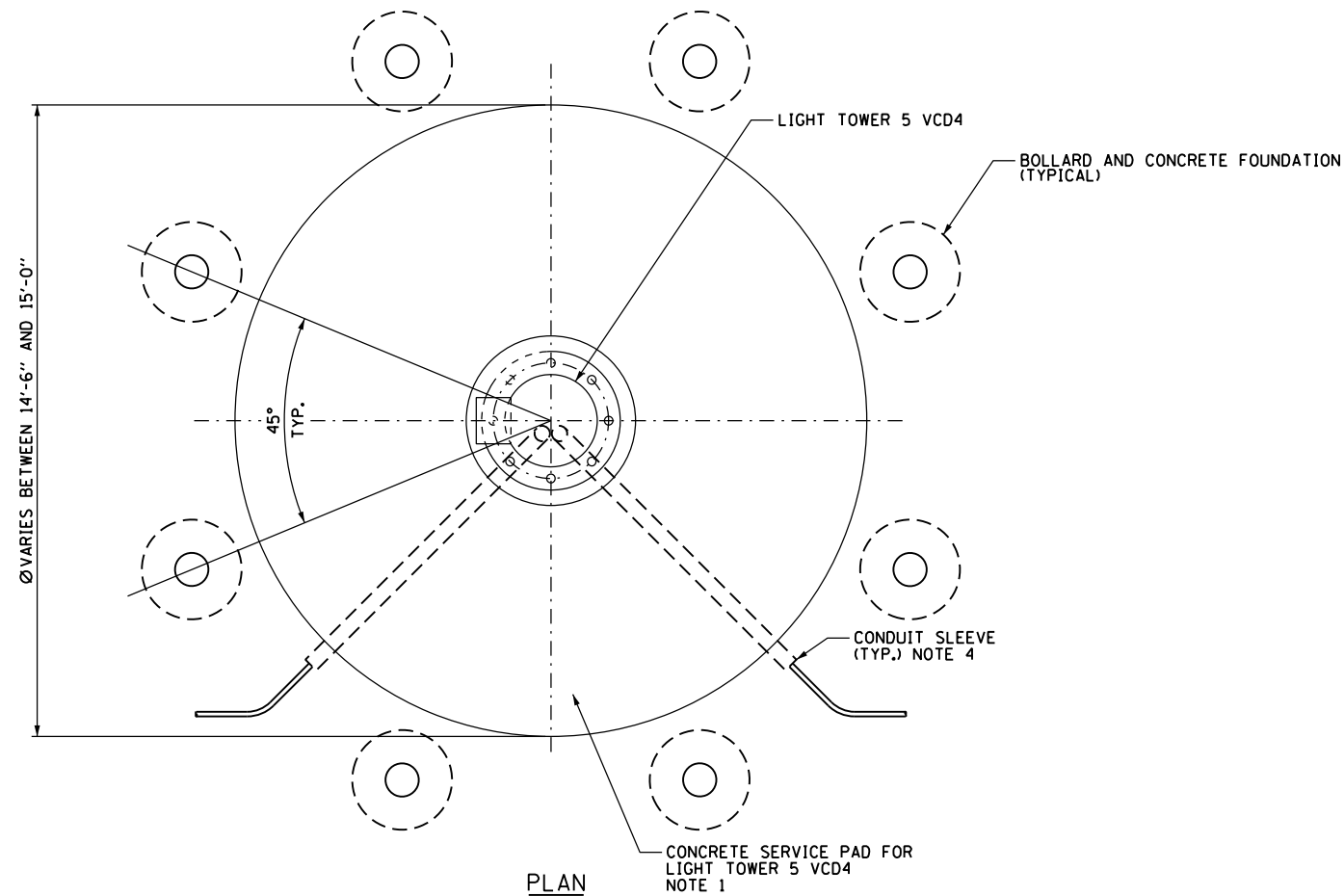
MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. SHEET 14 OF 15 SHEETS STA. TO STA.

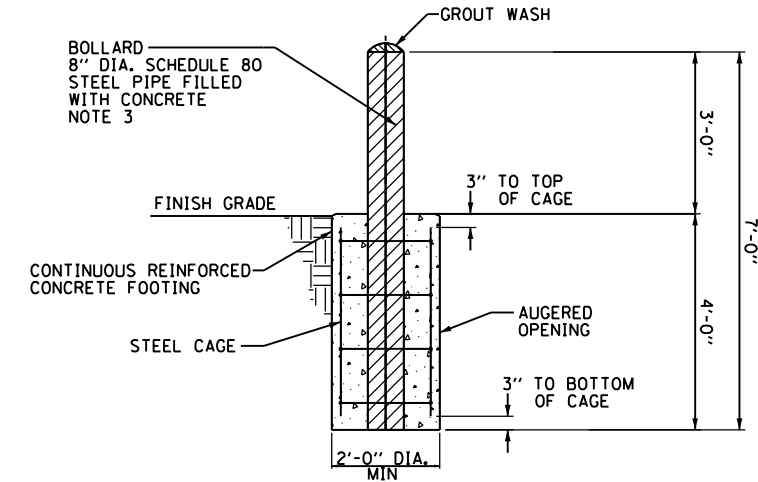
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	287
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

NOTES:

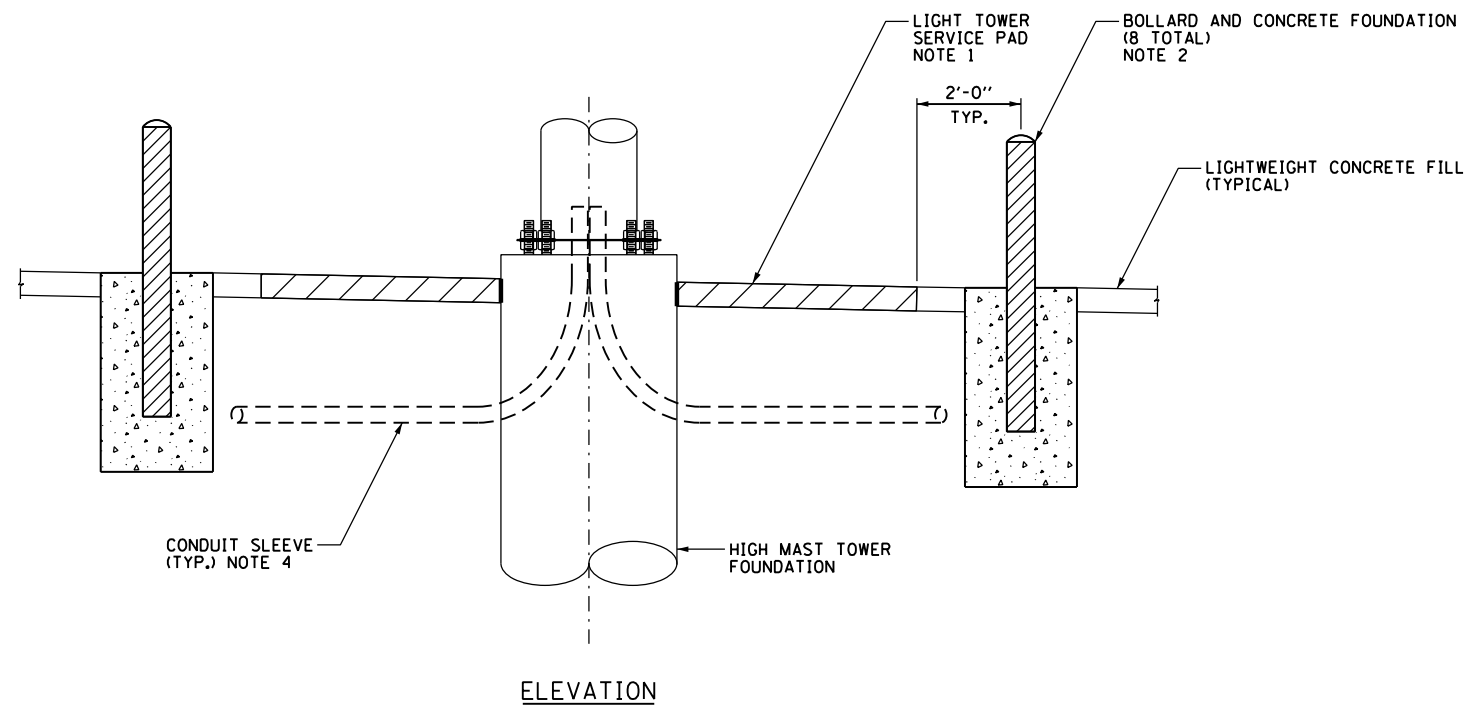
1. SEE DRAWING E-11 FOR ADDITIONAL LIGHT TOWER SERVICE PAD DETAILS.
2. THE CONTRACTOR SHALL STAKE THE FINAL LOCATIONS OF THE BOLLARDS IN THE FIELD FOR THE ENGINEER'S REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK.
3. THE BOLLARDS SHALL BE PAINTED. COLOR SHALL BE SAFETY YELLOW.
4. COORDINATE THE LOCATION OF THE CONDUIT SLEEVES AND BOLLARDS TO AVOID CONFLICT.



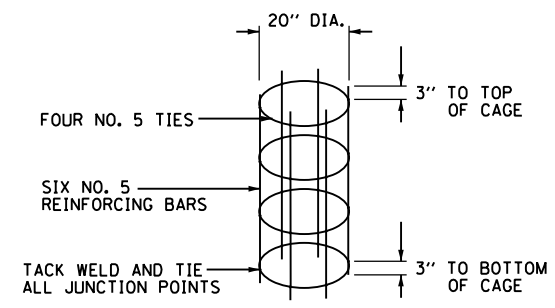
PLAN



BOLLARD DETAIL
(NOT TO SCALE)



ELEVATION



ISOMETRIC VIEW OF STEEL CAGE
(NOT TO SCALE)

**BOLLARD INSTALLATION AT SERVICE PAD DETAIL
FOR LIGHT TOWER 5 VCD4 ONLY**
NOT TO SCALE

FILE PATH = p:\aecom\ms-ans\ecommon\local\aedcom\0502_mn\Documents\01_Americas\Transportation\60269938_Circle\Phase\1\000_CAD\01E_Electrical\Sheets\60x94_Contract\0160x94_sht-Light-15



D160x94-sht-Light-15
USER NAME = myersc
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - TJL	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHT TOWER SERVICE PAD AND CONDUIT DETAILS

SCALE: N.T.S. SHEET 15 OF 15 SHEETS STA. TO STA.

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	288
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

SEQUENCING NOTES:

- IMPLEMENTATION OF INTELLIGENT TRANSPORTATION SYSTEMS (ITS) TO BE PERFORMED IN COORDINATION WITH CONCURRENT CONTRACTS 60X79, 60X93, 62J31, 60Y00, 62A76, AND 62A77. THESE CONTRACTS REMOVE EXISTING ITS ELEMENTS AND INSTALL CONDUIT, HANDHOLES/JUNCTION BOXES, ITS CABINETS, CABLING, ITS DEVICE STRUCTURES, AND OTHER INFRASTRUCTURE THAT MUST BE COORDINATED WITH WORK DESCRIBED HEREIN. STAGES REFERENCED IN THESE PLANS CORRELATES TO STAGES OF CONSTRUCTION FROM THE CONCURRENT CONTRACTS.
- IN GENERAL, ITS EQUIPMENT IDENTIFIED FOR REMOVAL OR SALVAGING TO BE REMOVED/SALVAGED IN THE CONSTRUCTION STAGE THAT INCLUDES WORK AROUND THE ITS SITE. LIKEWISE, ITS INFRASTRUCTURE INSTALLATION TO TAKE PLACE IN THE CONSTRUCTION STAGE THAT INCLUDES WORK AROUND THE ITS SITE.
- WORK THAT IMPACTS THE NORMAL OPERATION OF THE TRAFFIC MANAGEMENT OR COMMUNICATIONS SYSTEMS SHALL ONLY BE EXECUTED ON WEEKENDS FROM 10 PM FRIDAY EVENING TO 4 AM MONDAY MORNING. HOLIDAYS AND SPECIAL EVENT WEEKENDS SHALL BE EXCLUDED. THE CONTRACTOR SHALL COORDINATE AND RECEIVE PRIOR APPROVAL FROM THE ENGINEER FOR ALL WORK THAT COULD DEGRADE OR IMPAIR THE OPERATIONAL SYSTEMS. REQUESTS FOR APPROVAL SHALL BE MADE TO THE ENGINEER A MINIMUM OF 72 HOURS PRIOR TO THE ACTUAL COMMENCEMENT OF THE WORK.

GENERAL NOTES:

- EXISTING/TEMPORARY ITS PLAN SHEETS DEPICT EXISTING CONDITIONS AND WORK TO BE PERFORMED TO MAINTAIN, REMOVE, SALVAGE, OR ABANDON EXISTING ITS INFRASTRUCTURE. PROPOSED ITS PLAN SHEETS DEPICT NEW ITS INFRASTRUCTURE TO BE INSTALLED. PROPOSED ITS SHEETS ALSO SHOW ITS INFRASTRUCTURE INSTALLED BY OTHERS IN CONCURRENT CONTRACTS AS EXISTING, WITH THE APPLICABLE CONTRACT NUMBER NOTED.
- NOTATION FOR THE EXISTING/TEMPORARY ITS SHEETS IS AS FOLLOWS:
 - MAINTAINED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED THROUGH THE CONTRACT PERIOD (UNLESS OTHERWISE NOTED). THIS WORK IS TO BE PERFORMED UNDER THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
 - REMOVED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED UNTIL NO LONGER FEASIBLE DUE TO OTHER WORK IN THIS OR ANOTHER CONTRACT. ITEM(S) TO BE REMOVED AND DISPOSED OF. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING SURVEILLANCE EQUIPMENT" PAY ITEM.
 - SALVAGED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED UNTIL NO LONGER FEASIBLE DUE TO OTHER WORK IN THIS OR ANOTHER CONTRACT. ITEM(S) TO BE REMOVED AND TURNED OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING SURVEILLANCE EQUIPMENT" PAY ITEM.
 - ABANDONED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED UNTIL NO LONGER FEASIBLE DUE TO OTHER WORK IN THIS OR ANOTHER CONTRACT.
- THE EXISTING ITS INFRASTRUCTURE, AS DEPICTED ON THE PLANS, IS INTENDED TO INDICATE THE GENERAL EQUIPMENT INSTALLATIONS INVOLVED AND SHALL NOT BE CONSTRUED AS AN EXACT REPRESENTATION OF THE FIELD CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND ASCERTAIN THE EXACT CONDITION, SIZE, TYPE, QUANTITY, AND LOCATION OF THE EXISTING ITS EQUIPMENT IN THE FIELD. ANY DISCREPANCIES BETWEEN THE ACTUAL EXISTING ITS EQUIPMENT IN THE FIELD AND THE EXISTING ITS EQUIPMENT AS DEPICTED ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER FOR RESOLUTION. FAILURE TO VERIFY THE CONDITIONS, DIMENSIONS, AND DETAILS OF THE EXISTING ITS EQUIPMENT TO CONFIRM THAT THE NEW EQUIPMENT IS COMPATIBLE WITH THE EXISTING EQUIPMENT CAN BE PROPERLY INSTALLED AND CONNECTED AS SHOWN ON THE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR PROVIDING SAFE, COMPLETE, AND FULLY FUNCTIONAL ITS INFRASTRUCTURE.
- LOCATIONS SHOWN FOR PROPOSED ITS INFRASTRUCTURE ARE DIAGRAMMATIC ONLY, UNLESS STATIONING AND OFFSET VALUES ARE PROVIDED. FINAL LOCATIONS FOR PROPOSED ITS ITEMS SHALL BE AS APPROVED BY THE ENGINEER.

ABBREVIATIONS:

ATS	ATTACHED TO STRUCTURE
CCTV	CLOSED-CIRCUIT TELEVISION
DIA	DIAMETER
EIS	EMBEDDED IN STRUCTURE
ENC	ENCASED IN CONCRETE, REINFORCED
EX	EXISTING
GS	GALVANIZED STEEL
HDHH	HEAVY-DUTY HANDHOLE
ITS	INTELLIGENT TRANSPORTATION SYSTEM
JB	JUNCTION BOX
PVC	POLYVINYL CHLORIDE
PVCC GS	PVC COATED GALVANIZED STEEL
RVDS	RADAR VEHICLE SENSING DEVICE
SMF	SINGLE MODE FIBER
SS	STAINLESS STEEL
UG	UNDERGROUND
WVDS	WIRELESS VEHICLE DETECTION SYSTEM

FILE PATH = p:\aecom\na-ansi\ecommon\local\AECOM_DS02_IL\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-ITS-01



D160X94-SHT-ITS-01	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN
SUGGESTED STAGING AND GENERAL NOTES**

SCALE: N.T.S. SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	289
CONTRACT NO. 60X94			ILLINOIS FED. AID PROJECT	

ITS-01

NOTES:

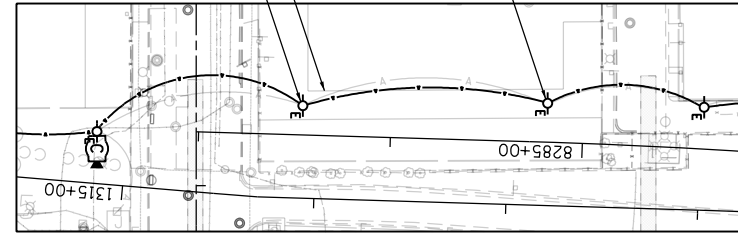
1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. REMOVE CABLE IN CONDUIT/JUNCTION BOX.
3. WORK BY OTHERS (CONTRACT 62A76).
4. ALL EXISTING EQUIPMENT ATTACHED TO OR PART OF AN EXISTING STRUCTURE TO BE DEMOLISHED SHALL BE REMOVED AS PART OF THE STRUCTURAL REMOVAL PAY ITEMS, UNLESS OTHERWISE NOTED.
5. LIGHTING INFRASTRUCTURE IS SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL SHEETS FOR EXISTING/TEMPORARY LIGHTING PLANS.
6. RELOCATE THE EXISTING WOOD POLES AND ASSOCIATED AERIAL CABLES WEST TO THE NEW LOCATIONS SHOWN IN DETAIL A TO AVOID CONFLICT WITH CONSTRUCTION OF RW 8. THIS WORK SHALL BE PAID FOR BY THE "RELOCATE EXISTING WOOD POLES" PAY ITEM. STATIONS AND OFFSET ARE RECOMMENDED LOCATIONS. FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

CCTV CAMERA KE-OG
 EX. (1) CCTV CAMERA, HD
 EX. (1) CCTV EQUIPMENT CABINET, STRUCTURE MOUNTED
 EX. (1) CCTV EQUIPMENT, FIBER OPTIC DISTRIBUTION
 EX. (1) ETHERNET MANAGE SWITCH
 EX. (1) TEMPORARY WOOD POLE
 TO BE MAINTAINED

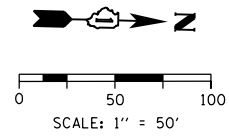
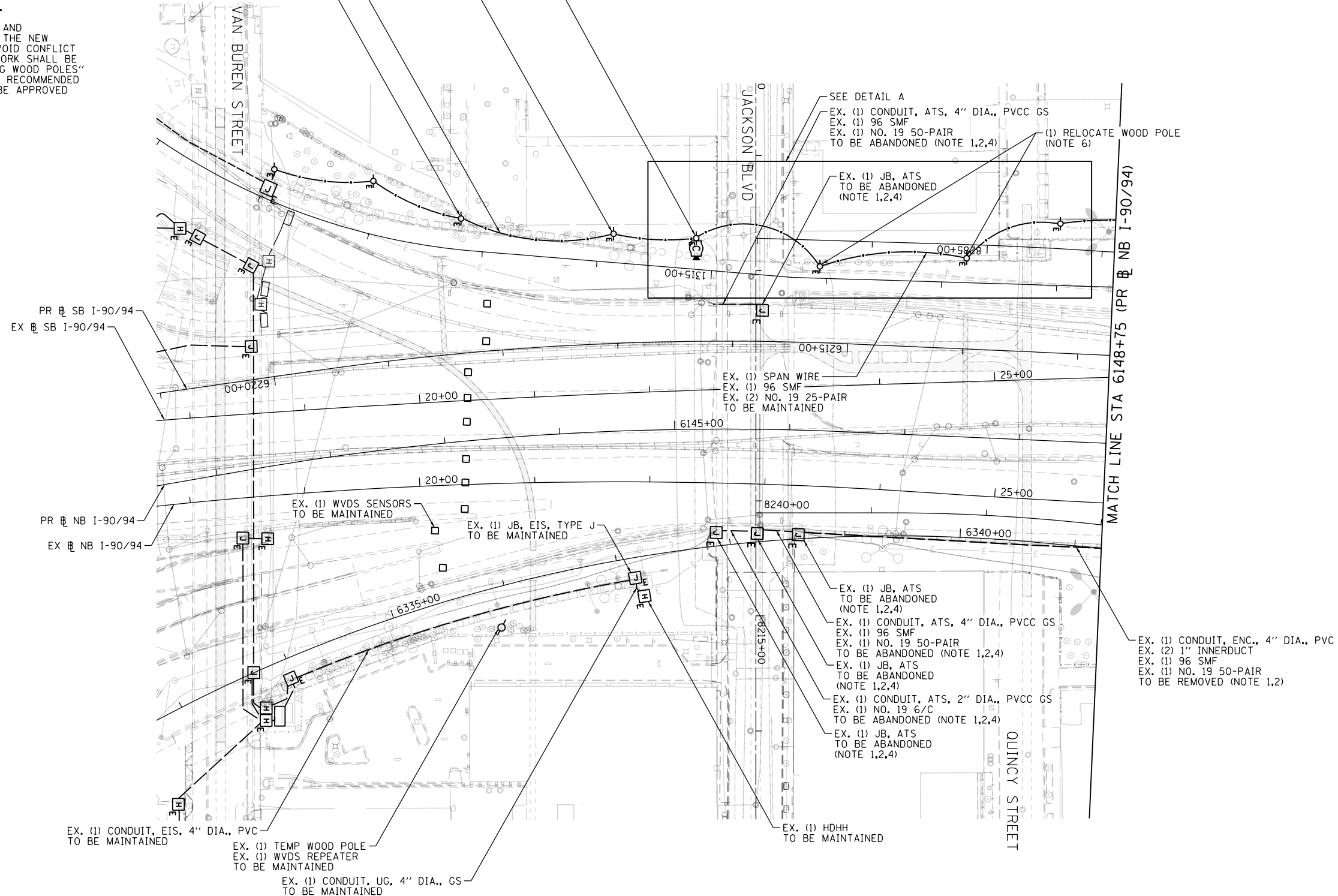
EX. (1) TEMP WOOD POLE (TYP.)
 TO BE MAINTAINED
 EX. (1) SPAN WIRE
 EX. (1) 96 SMF
 EX. (1) 12 SMF
 EX. (1) NO. 6 3-1/C
 EX. (1) NO. 19 50-PAIR
 TO BE MAINTAINED

EX. (1) TEMP WOOD POLE
 EX. (1) WVDS ACCESS POINT & CABINET
 TO BE MAINTAINED

6214+01.50, 110.88' RT (P-KDR-SB)
 (NOTE 6)
 PROPOSED TEMPORARY EASEMENT
 6215+27.52, 104.28' RT (P-KDR-SB)
 (NOTE 6)



DETAIL A - TEMPORARY WOOD POLE RELOCATION



ITS-02

FILE PATH = p:\V\AECOM\NA-A\SI\encom\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase\1\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94_sht-ITS-02



D160X94-sht-ITS-02
 USER NAME = myersc
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

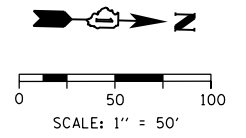
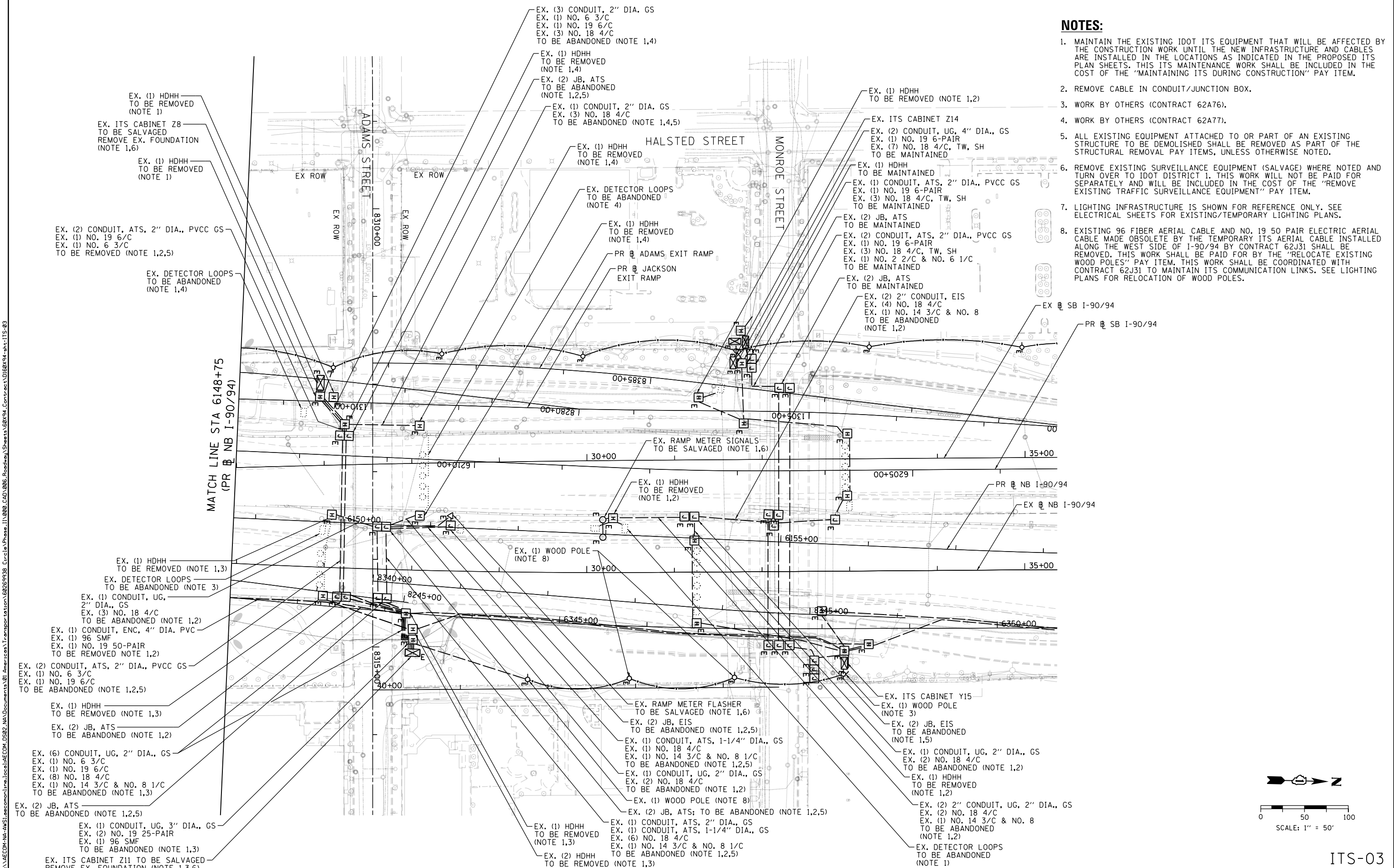
EXISTING ITS PLAN
 JACKSON BOULEVARD

SCALE: 1"=50' SHEET 2 OF 14 SHEETS STA. TO STA. 6148+75

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	290
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

NOTES:

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. REMOVE CABLE IN CONDUIT/JUNCTION BOX.
3. WORK BY OTHERS (CONTRACT 62A76).
4. WORK BY OTHERS (CONTRACT 62A77).
5. ALL EXISTING EQUIPMENT ATTACHED TO OR PART OF AN EXISTING STRUCTURE TO BE DEMOLISHED SHALL BE REMOVED AS PART OF THE STRUCTURAL REMOVAL PAY ITEMS, UNLESS OTHERWISE NOTED.
6. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) WHERE NOTED AND TURN OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.
7. LIGHTING INFRASTRUCTURE IS SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL SHEETS FOR EXISTING/TEMPORARY LIGHTING PLANS.
8. EXISTING 96 FIBER AERIAL CABLE AND NO. 19 50 PAIR ELECTRIC AERIAL CABLE MADE OBSOLETE BY THE TEMPORARY ITS AERIAL CABLE INSTALLED ALONG THE WEST SIDE OF I-90/94 BY CONTRACT 62J31 SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR BY THE "RELOCATE EXISTING WOOD POLES" PAY ITEM. THIS WORK SHALL BE COORDINATED WITH CONTRACT 62J31 TO MAINTAIN ITS COMMUNICATION LINKS. SEE LIGHTING PLANS FOR RELOCATION OF WOOD POLES.



ITS-03



D16094-sh1-ITS-03	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

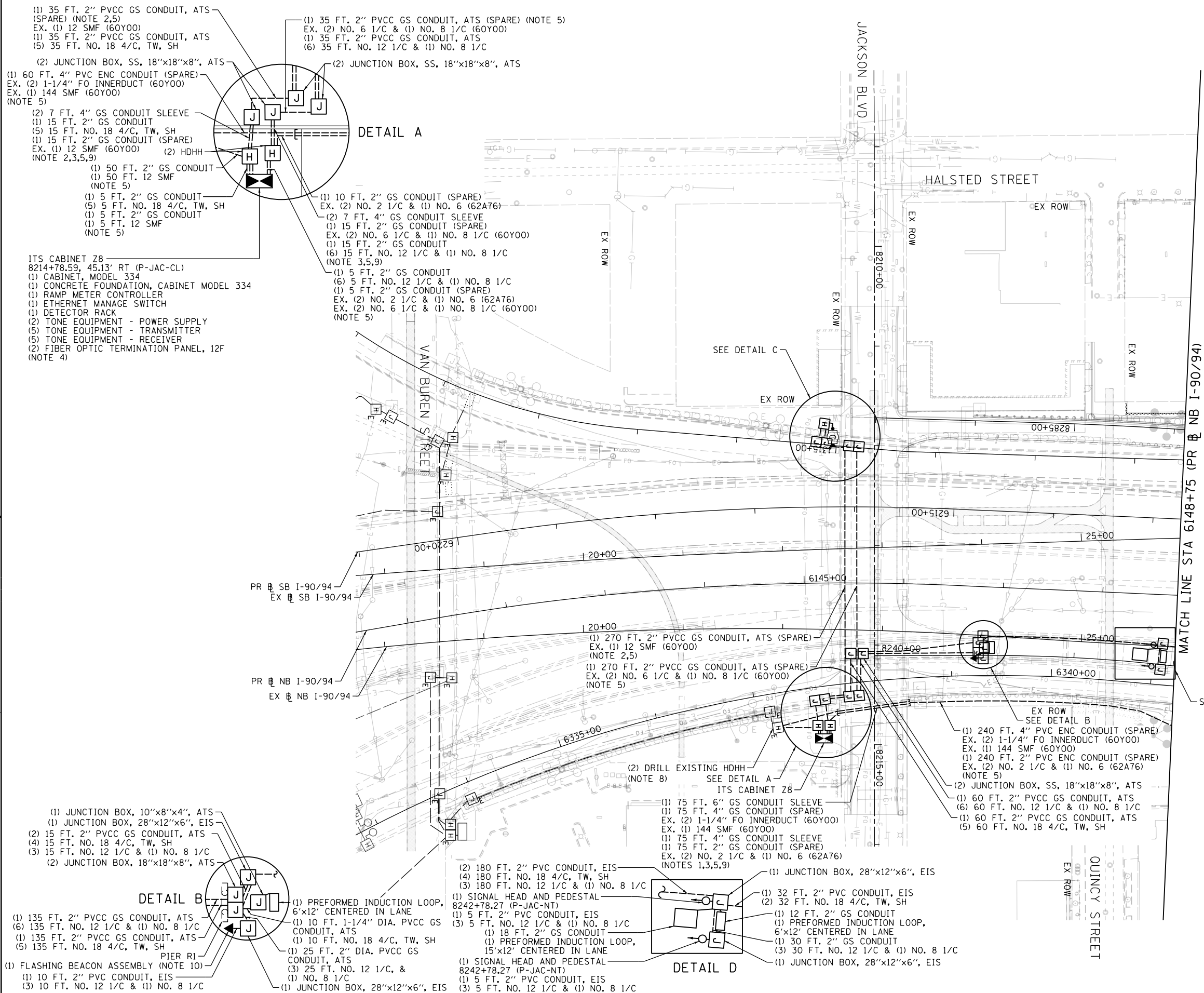
**EXISTING ITS PLAN
ADAMS STREET**

SCALE: 1"=50' SHEET 3 OF 14 SHEETS STA. 6148+75 TO STA.

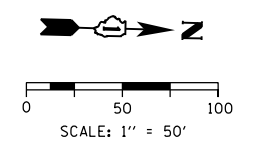
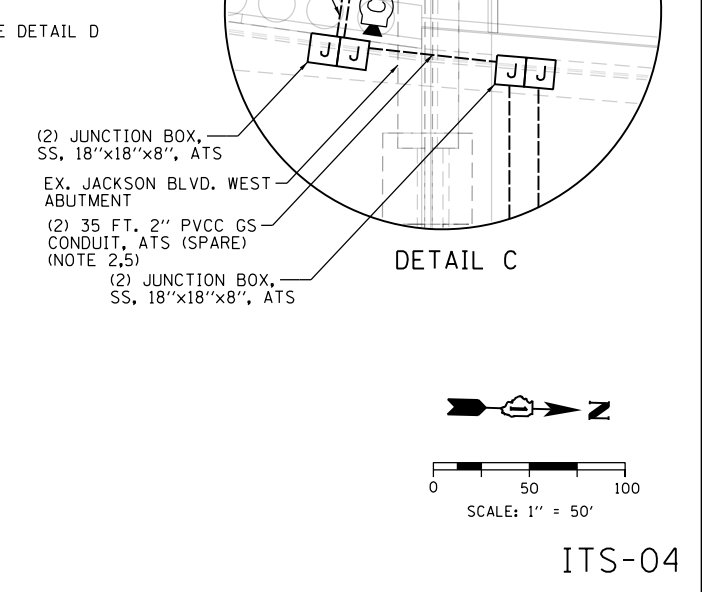
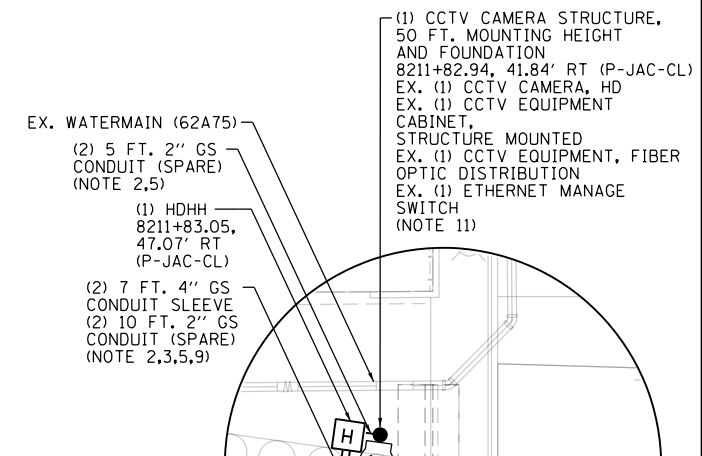
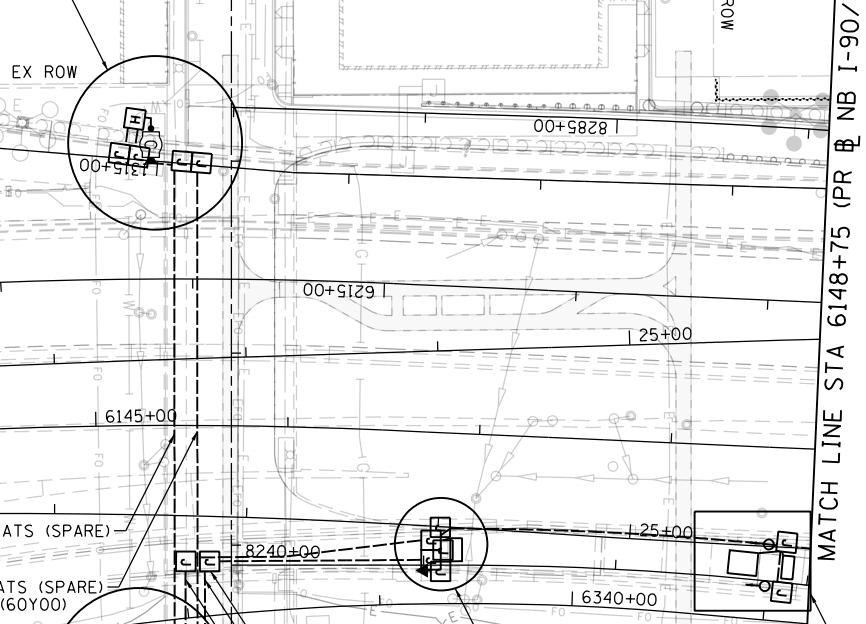
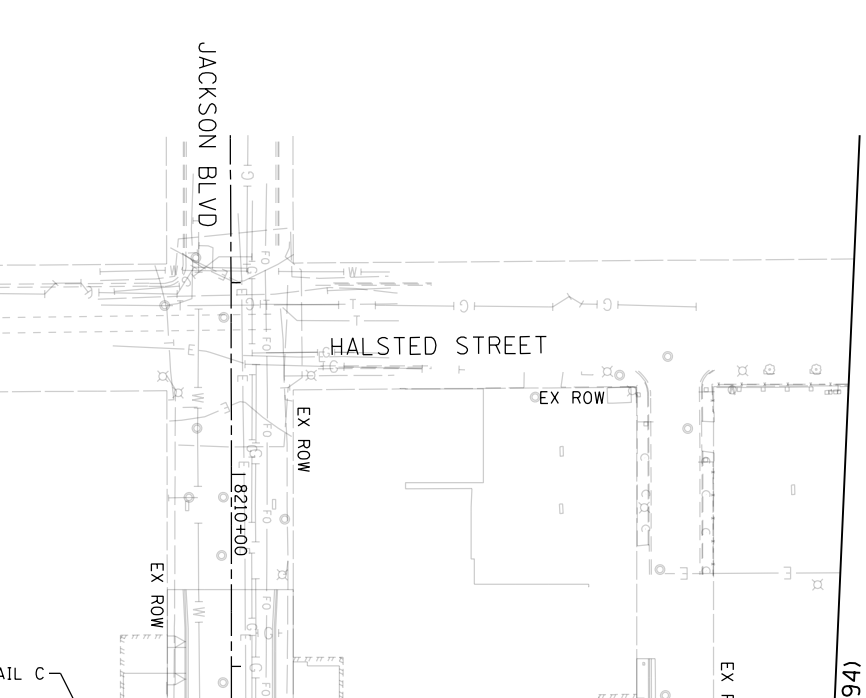
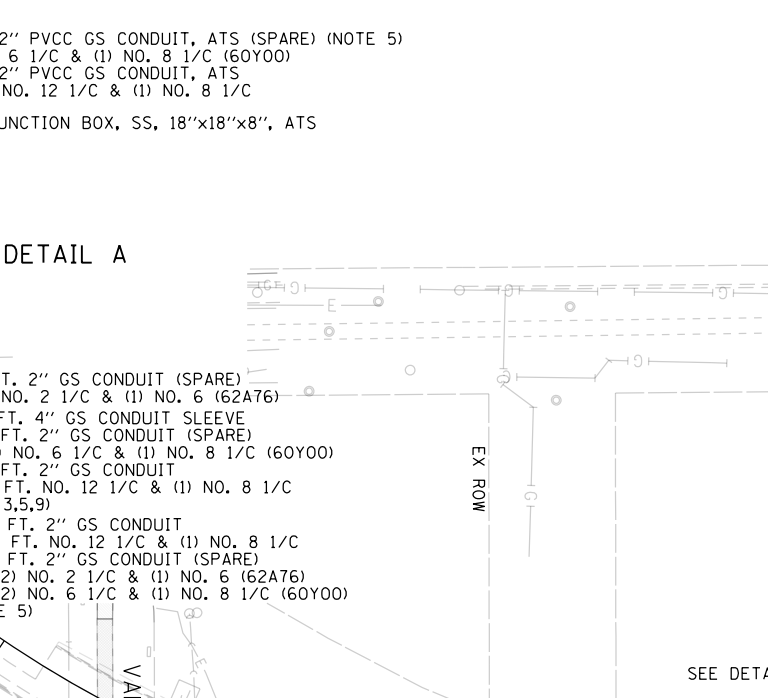
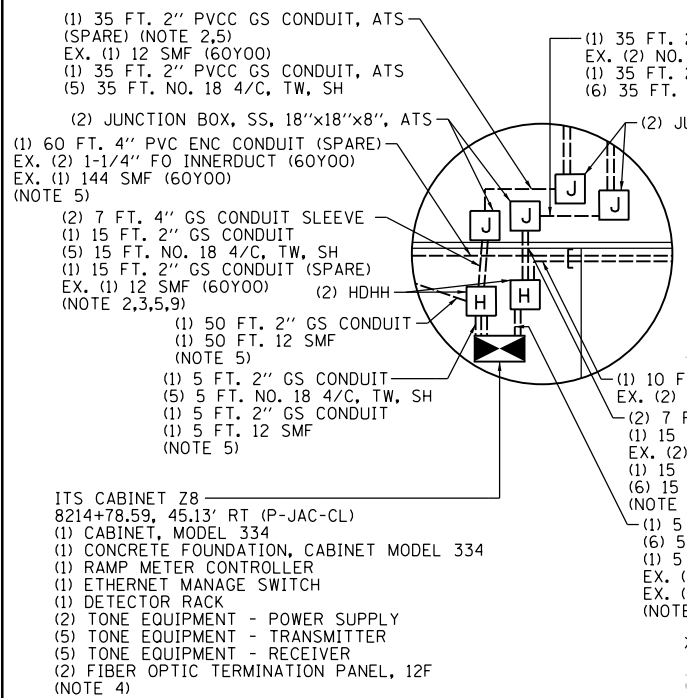
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	291
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\VACOM-Na-MSI\ecommon\line\local\IACOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\006_Roadway_Sheets\60X94_Contract\16094-sh1-ITS-03

FILE PATH = p:\VACOM\NA-MSI\encom\local\AECOM_D582_NA.Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\006_Roadway\Sheets\60X94_Contract\160X94-shr-ITS-04



- NOTES:**
- INSTALL 2" AND 4" GALVANIZED STEEL CONDUIT THROUGH THE 4" AND 6" CONDUIT SLEEVES INSTALLED UNDER THE APPROACH PAVEMENT.
 - PROVIDE ONE 2" CONDUIT AS SPARE TO CARRY 12 SMF BETWEEN CCTV CAMERA SITE AND CABINET Z8. FIBER OPTIC CABLE TO BE INSTALLED BY OTHERS IN CONTRACT 60Y00.
 - SEE STRUCTURAL SHEETS FOR CONDUIT SLEEVE DETAILS.
 - INSTALL A CIRCUIT BREAKER IN ITS CABINET Z8 TO PROVIDE 120V POWER TO THE FUTURE CCTV CAMERA CABINET MOUNTED ON THE 50 FT. STRUCTURE. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "CABINET, MODEL 334" PAY ITEM.
 - SPARE CONDUITS ARE TO BE USED BY OTHER CONCURRENT CONTRACTS 62A76 AND 60Y00. 62A76 INSTALLS POWER CABLES BETWEEN CABINETS Y15, Z11, AND Z8. 60Y00 INSTALLS THE 144 SMF TRUNKLINE CABLE AND SPLICES TO 12 SMF LATERALS.
 - LIGHTING INFRASTRUCTURE IS SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL SHEETS FOR PROPOSED LIGHTING PLANS.
 - SEE SHEET ITS-06 FOR WIRING DIAGRAMS. SEE SHEET ITS-07 TO ITS-09 FOR CONDUIT AND JUNCTION BOX INSTALLATION DETAILS.
 - COIL 50 FT. OF 12 SMF CABLE IN THE HANDHOLE FOR FUTURE CONNECTION (CONTRACT 60Y00).
 - CONDUIT SLEEVES TERMINATING UNDERGROUND SHALL BE CAPPED WITH TYPE FW RED ROTTOLIN END SEAL. SLEEVES TERMINATING ON THE FRONT FACE OF RETAINING WALLS SHALL BE SEALED WITH BACKER ROD AND SEALANT. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE CONDUIT.
 - SEE SIGNING PLANS FOR FLASHING BEACON STATION/OFFSET.
 - CCTV CAMERA STRUCTURE TO BE INSTALLED AT THE STATION AND OFFSET AS NOTED IN THE PLANS. EXISTING CCTV CAMERA AND EQUIPMENT CABINET TO BE RELOCATED TO THE PROPOSED CAMERA STRUCTURE IN CONTRACT 60Y00.

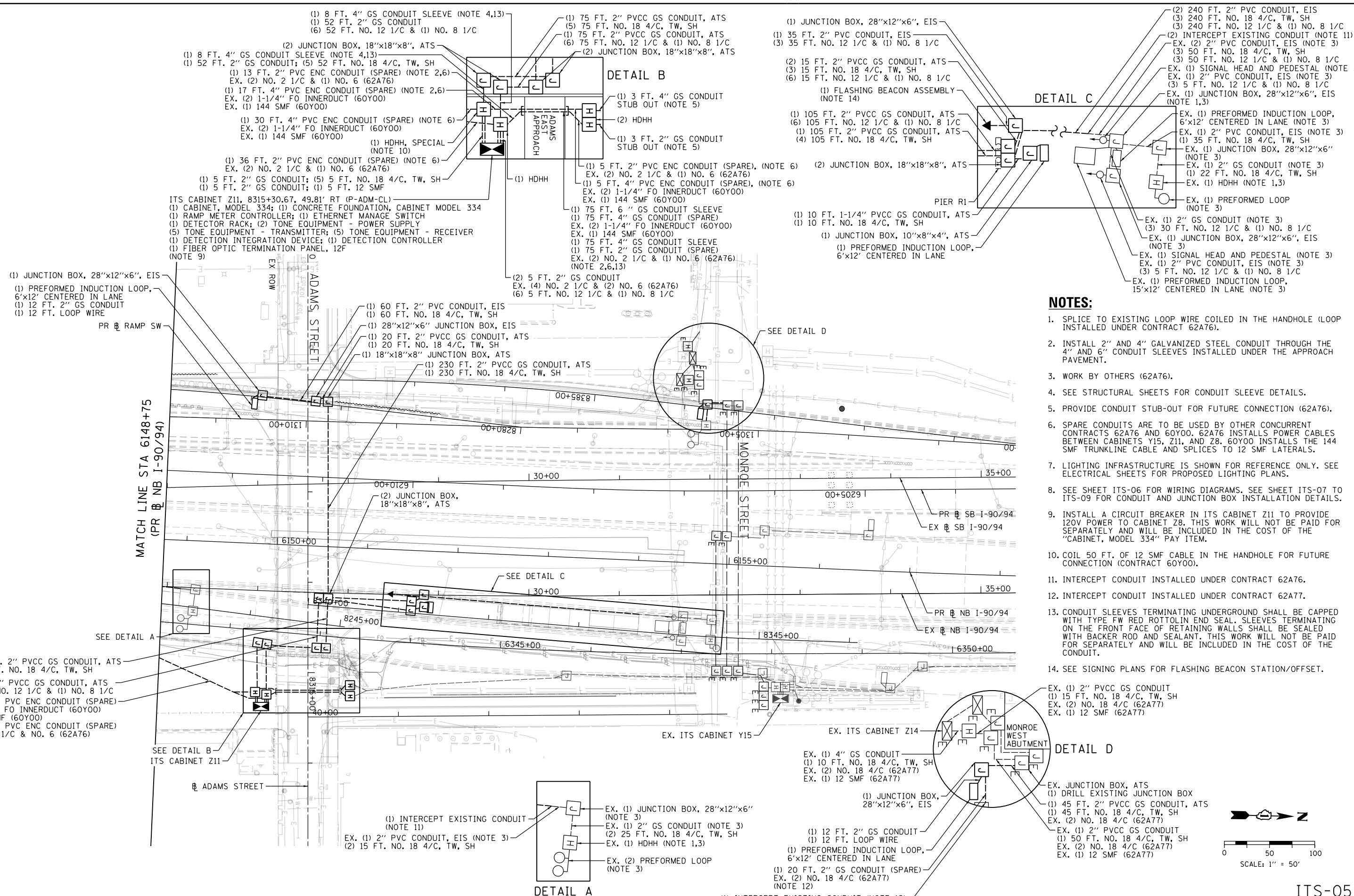


ITS-04

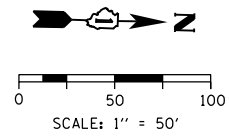
<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</p>	D160X94-shr-ITS-04	DESIGNED - PTJ	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PROPOSED ITS PLAN JACKSON BOULEVARD</p>	F.A.I. RTE. 90/94/290	SECTION 2014-015R&B-R	COUNTY COOK	TOTAL SHEETS 825	SHEET NO. 292
	USER NAME = myersc	DRAWN - CAM	REVISED -		CONTRACT NO. 60X94				
	PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -		ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -						

SCALE: 1"=50' SHEET 4 OF 14 SHEETS STA. TO STA. 6148+75

FILE PATH = p:\naecom\ms-ansi\encom\local\local\encom\0502\NA Documents\01 America's Transportation\60269938 Circle Phase I\000 CAD\046 Roadway\Sheets\60x94_Contract\0160x94_sht-ITS-05



- NOTES:**
1. SPLICE TO EXISTING LOOP WIRE COILED IN THE HANDHOLE (LOOP INSTALLED UNDER CONTRACT 62A76).
 2. INSTALL 2" AND 4" GALVANIZED STEEL CONDUIT THROUGH THE 4" AND 6" CONDUIT SLEEVES INSTALLED UNDER THE APPROACH PAVEMENT.
 3. WORK BY OTHERS (62A76).
 4. SEE STRUCTURAL SHEETS FOR CONDUIT SLEEVE DETAILS.
 5. PROVIDE CONDUIT STUB-OUT FOR FUTURE CONNECTION (62A76).
 6. SPARE CONDUITS ARE TO BE USED BY OTHER CONCURRENT CONTRACTS 62A76 AND 60Y00. 62A76 INSTALLS POWER CABLES BETWEEN CABINETS Y15, Z11, AND Z8. 60Y00 INSTALLS THE 144 SMF TRUNKLINE CABLE AND SPLICES TO 12 SMF LATERALS.
 7. LIGHTING INFRASTRUCTURE IS SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL SHEETS FOR PROPOSED LIGHTING PLANS.
 8. SEE SHEET ITS-06 FOR WIRING DIAGRAMS. SEE SHEET ITS-07 TO ITS-09 FOR CONDUIT AND JUNCTION BOX INSTALLATION DETAILS.
 9. INSTALL A CIRCUIT BREAKER IN ITS CABINET Z11 TO PROVIDE 120V POWER TO CABINET Z8. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "CABINET, MODEL 334" PAY ITEM.
 10. COIL 50 FT. OF 12 SMF CABLE IN THE HANDHOLE FOR FUTURE CONNECTION (CONTRACT 60Y00).
 11. INTERCEPT CONDUIT INSTALLED UNDER CONTRACT 62A76.
 12. INTERCEPT CONDUIT INSTALLED UNDER CONTRACT 62A77.
 13. CONDUIT SLEEVES TERMINATING UNDERGROUND SHALL BE CAPPED WITH TYPE FW RED ROTTOLIN END SEAL. SLEEVES TERMINATING ON THE FRONT FACE OF RETAINING WALLS SHALL BE SEALED WITH BACKER ROD AND SEALANT. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE CONDUIT.
 14. SEE SIGNING PLANS FOR FLASHING BEACON STATION/OFFSET.



D160X94-sht-ITS-05	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

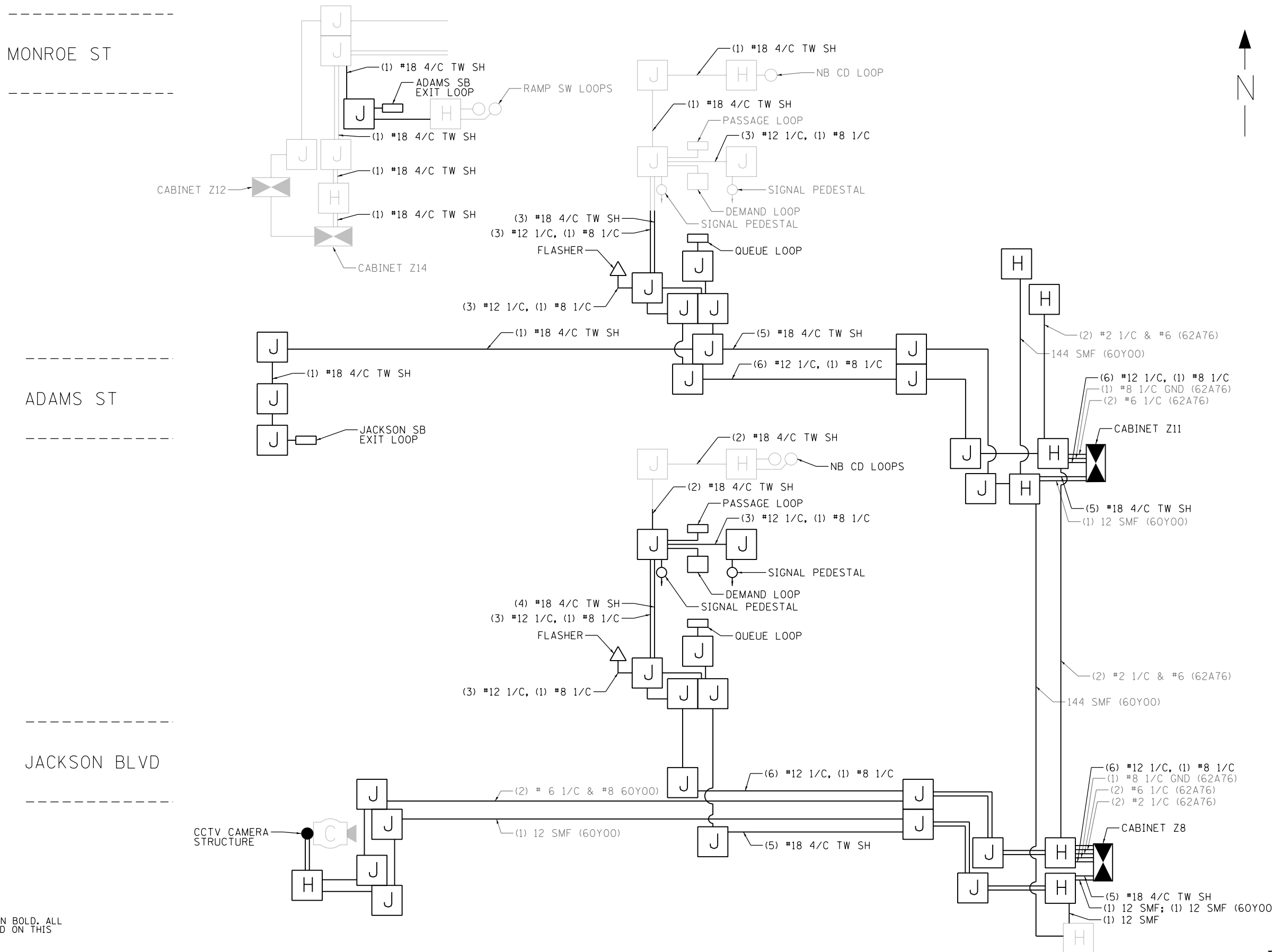
**PROPOSED ITS PLAN
ADAMS STREET**

SCALE: 1"=50' SHEET 5 OF 14 SHEETS STA. 6148+75 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	293
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

ITS-05

FILE PATH = p:\VACOM\NA-ANSI\elecmon\line\local\AECOM_0502_NA\Documents\01_Americas\Transportation\60269938_Circle\Phase_1\1000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-ITS-06



SYMBOLS LEGEND

- HEAVY DUTY HANDHOLE
- JUNCTION BOX
- CCTV CAMERA
- CONTROLLER CABINET
- DETECTOR
- SIGNAL PEDESTAL
- FLASHER

NOTES:

1. CONTRACT RELATED LINEWORK APPEARS IN BOLD, ALL OTHER ITS INFRASTRUCTURE REPRESENTED ON THIS SHEET IS FOR INFORMATION ONLY.
2. NOT TO SCALE

ITS-06



D160X94-SHT-ITS-06	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

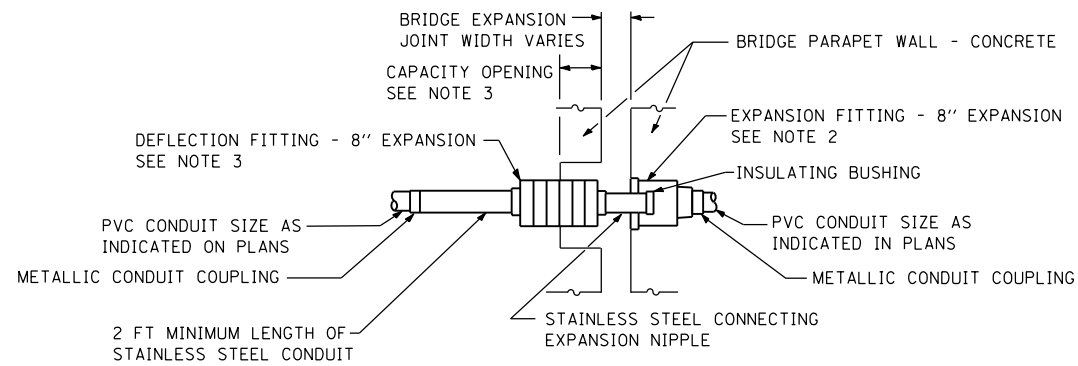
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS WIRE DIAGRAM

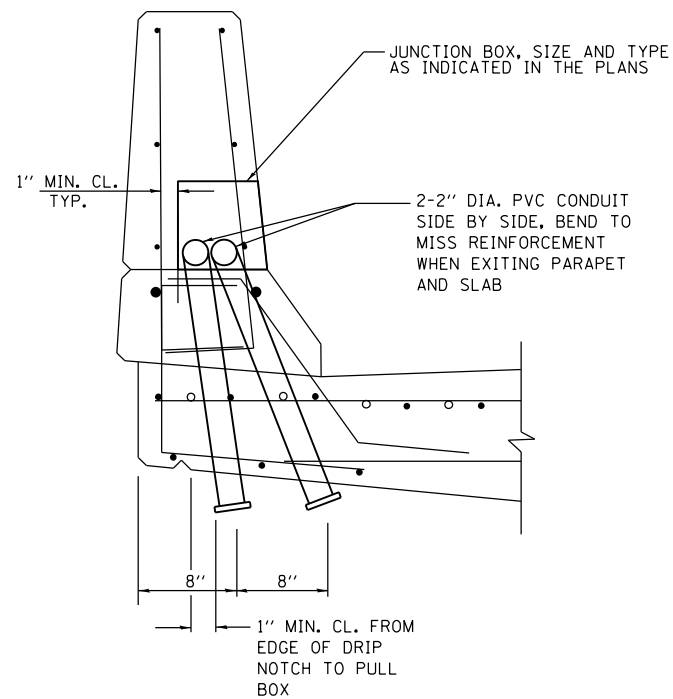
SCALE: N.T.S. SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	294
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

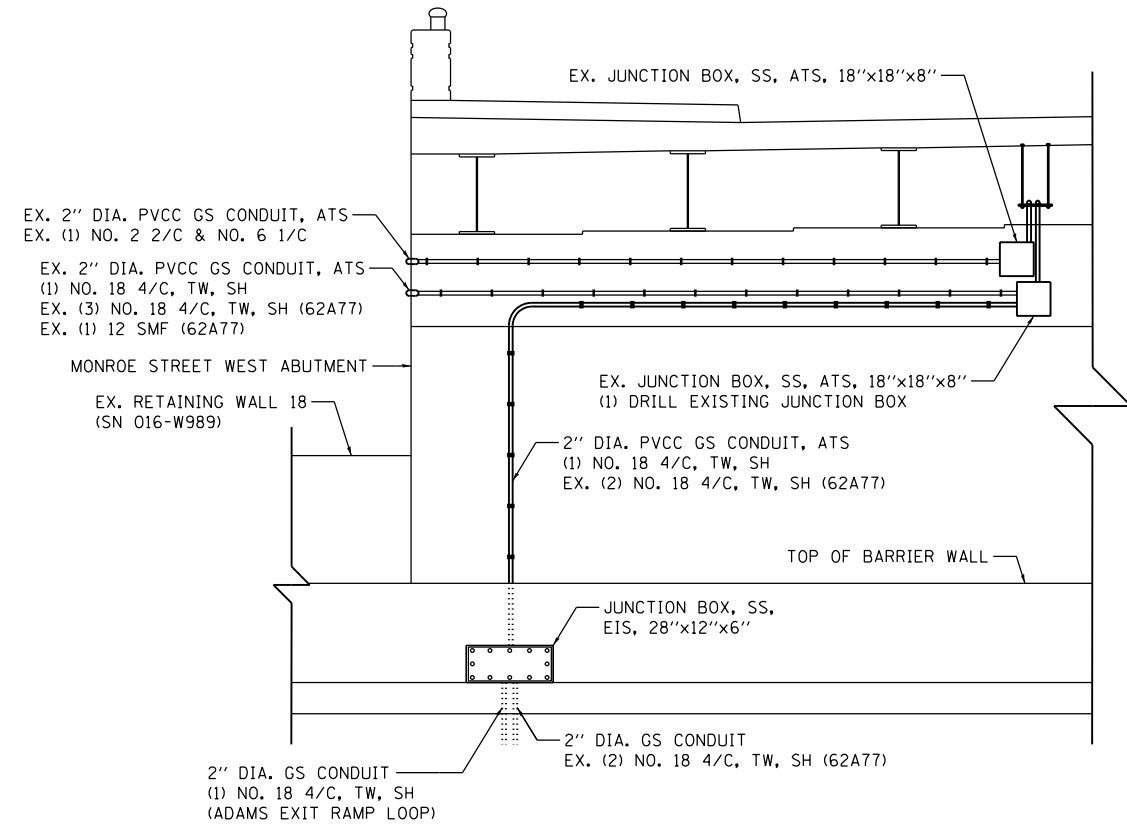
FILE PATH = p:\AECOM\NA-AVSI\ecommon\local\AECOM_DSO2_NA\Documents\01_Americas\Transportation\60269938_Circle Phase II\000 CAD\006_Roadway\Sheets\60x94_Contract\0160x94-SHT-ITS-07



EXPANSION/DEFLECTION CONDUIT COUPLING DETAIL
NOTES 1 AND 6



CONDUIT DROP-OUT AT PIER



MONROE STREET - WEST ABUTMENT
(LOOKING WEST)

NOTES:

1. THE CONTRACTOR SHALL INSTALL A CONDUIT EXPANSION/DEFLECTION COUPLING AT THE JOINT LOCATIONS IN THE CONCRETE PARAPET ON THE BRIDGE CAPABLE OF ACCEPTING THE LONGITUDINAL MOVEMENT. ALL METALLIC PARTS OF THE COUPLING SHALL BE MADE OF STAINLESS STEEL OR AS APPROVED BY THE ENGINEER. ANY NON-STAINLESS METAL SHALL BE HOT DIP GALVANIZED AND COATED TO PREVENT REACTION WITH THE CONCRETE. THE COST OF THE COUPLING SHALL BE PART OF AND INCIDENTAL TO THE CONDUIT SYSTEM.
2. THE BARREL IN THE EXPANSION FITTING SHALL BE IN THE CONCRETE ON ONE SIDE OF THE EXPANSION JOINT. ONE HALF THE LENGTH OF THE DEFLECTION FITTING SHALL BE EMBEDDED IN THE CONCRETE ON THE OTHER SIDE OF THE COUPLING.
3. A CAVITY OPENING 3" LARGER IN DIAMETER THAN THE DEFLECTION FITTING SHALL BE PROVIDED IN THE CONCRETE TO ENSURE PROPER PERFORMANCE OF THE COUPLING.
4. CAREFUL ATTENTION TO JOINT MOVEMENT OVER A RANGE OF TEMPERATURES SHALL BE COORDINATED WITH THE SELECTION AND INSTALLATION OF THE COUPLING TO ENSURE THE RANGE OF MOVEMENT OF THE COUPLING IS NOT EXCEEDED AT TEMPERATURE EXTREMES.
5. ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE CAREFULLY FOLLOWED TO ENSURE OPTIMUM PERFORMANCE OF THE EXPANSION/DEFLECTION COUPLING.
6. THE CONTRACTOR SHALL INSTALL COUPLINGS AT ALL BRIDGE EXPANSION JOINTS AND SHALL BE RESPONSIBLE TO DETERMINE THE PROPER NUMBER OF COUPLINGS REQUIRED. SEE STRUCTURAL DRAWINGS FOR THE EXPANSION JOINT LOCATIONS.
7. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY SUBSTITUTE TWO (2) STAINLESS STEEL JUNCTION BOXES ATTACHED TO THE BACK OF THE WALL AND CONNECTED BY A HIGH GRADE OF FLEXIBLE METAL CONDUIT FOR ALL EXPANSION JOINTS. THIS SUBSTITUTION SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT.
8. EXPANSION/DEFLECTION COUPLINGS ARE INCIDENTAL TO THE COST OF THE CONDUIT.
9. CONDUIT DROP-OUTS AT PIERS ARE INCIDENTAL TO THE COST OF THE EMBEDDED JUNCTION BOX.



D160X94-SHT-ITS-07
 USER NAME = myersc
 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - PTJ
 DRAWN - CAM
 CHECKED - MJL
 DATE - 3-13-2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

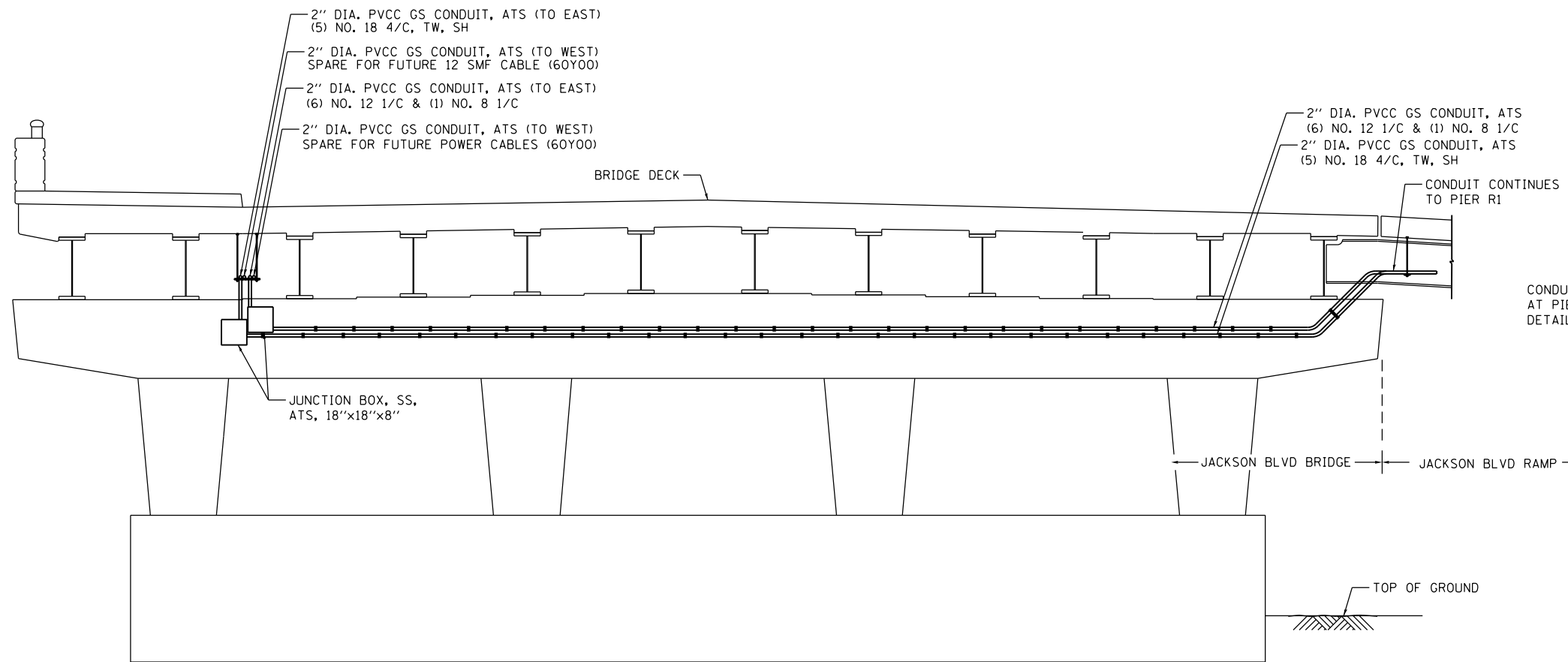
ITS DETAILS

SCALE: N.T.S. SHEET 7 OF 14 SHEETS STA. TO STA.

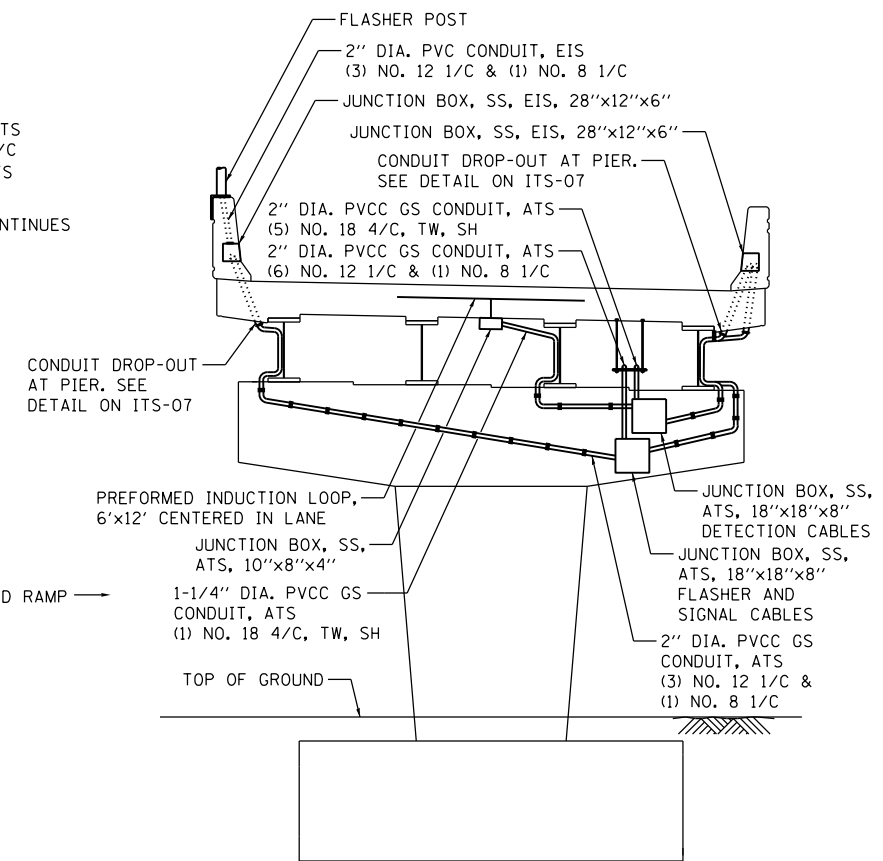
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	295
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

ITS-07

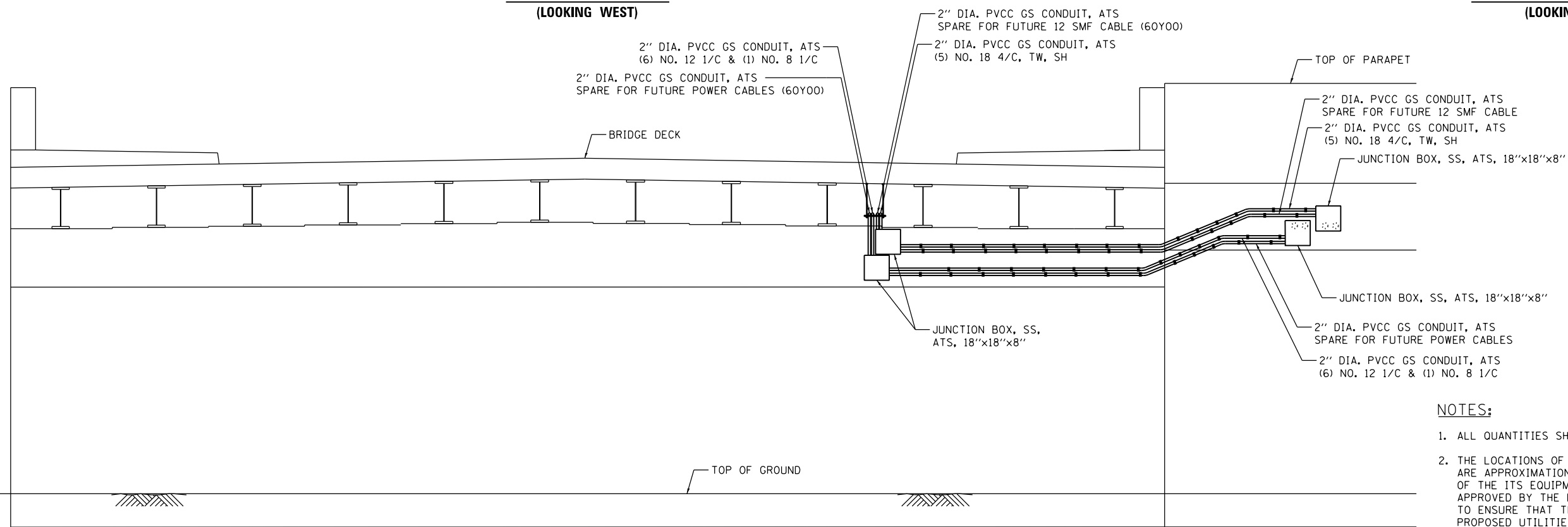
FILE PATH = p:\naecdm\na-ansi\seccion\line\local\AECOM_D502_NA\Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-ITS-08



**JACKSON BLVD - PIER 2
(LOOKING WEST)**



**JACKSON BLVD RAMP - PIER R1
(LOOKING SOUTH)**



**JACKSON BLVD - EAST ABUTMENT
(LOOKING EAST)**

- NOTES:**
- ALL QUANTITIES SHOWN ON SHEET ITS-04 AND ITS-05.
 - THE LOCATIONS OF THE ITS EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATIONS. THE FINAL INSTALLATION LOCATIONS OF THE ITS EQUIPMENT SHALL BE STAKED IN THE FIELD AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING ANY WORK TO ENSURE THAT THERE ARE NO CONFLICTS WITH EXISTING/PROPOSED UTILITIES AND WORK PERFORMED BY OTHER DISCIPLINES.

ITS-08



D160X94-SHT-ITS-08
 USER NAME = myersc
 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - PTJ
 DRAWN - CAM
 CHECKED - MJL
 DATE - 3-13-2020

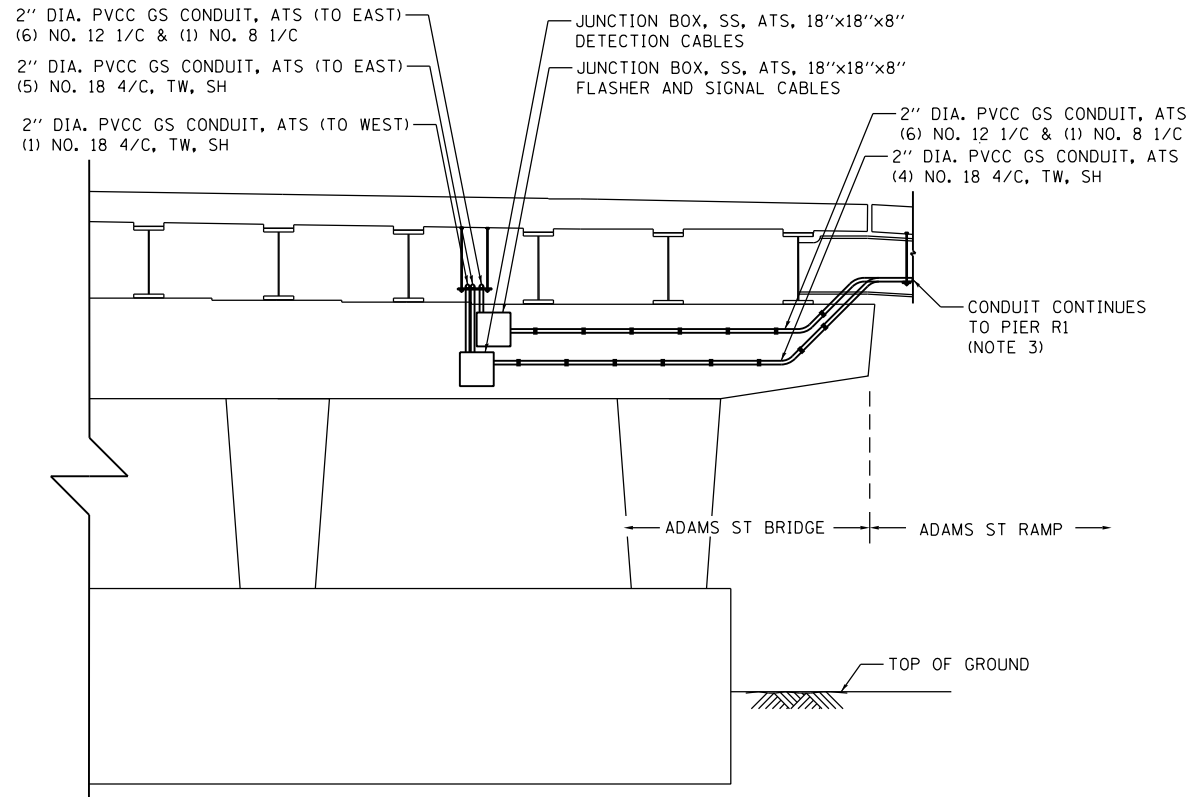
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

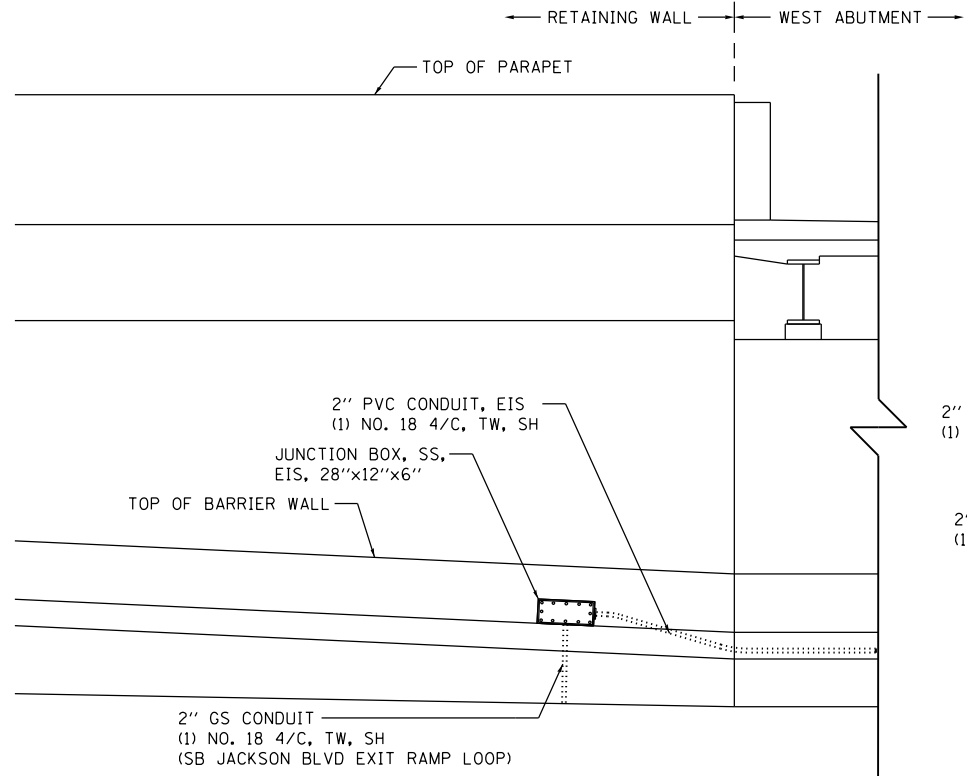
ITS DETAILS
 JACKSON BOULEVARD

SCALE: N.T.S. SHEET 8 OF 14 SHEETS STA. TO STA.

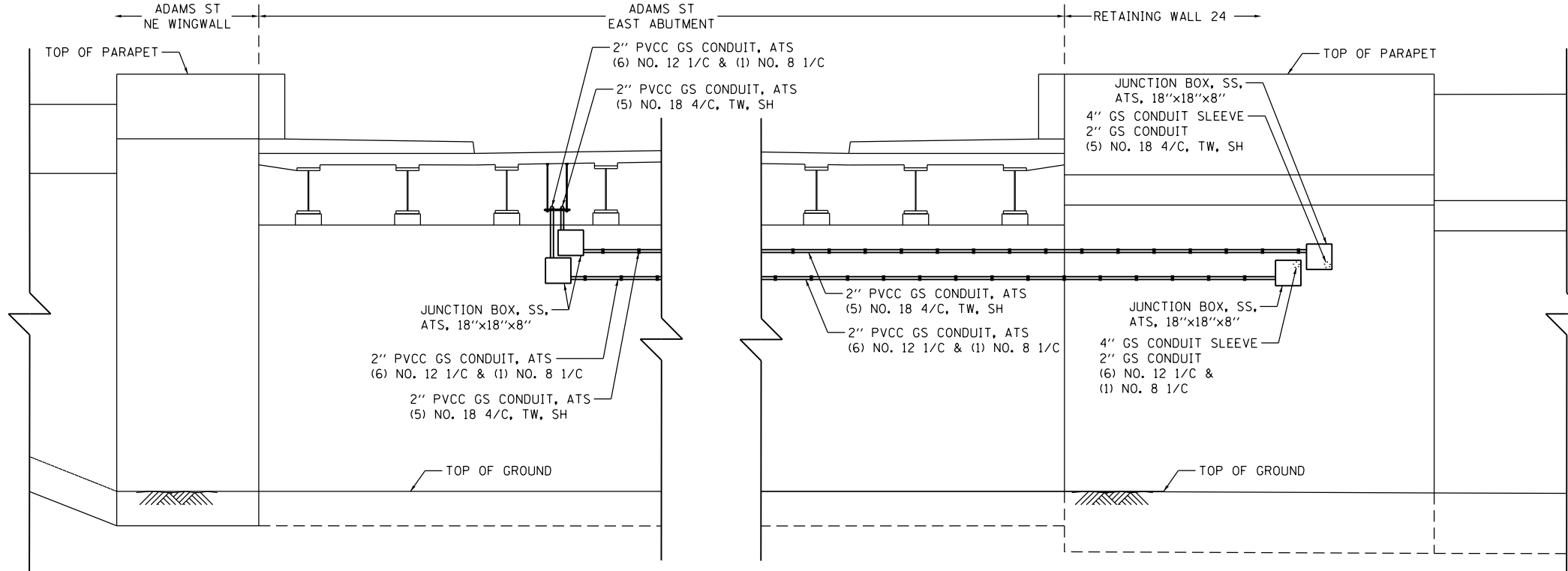
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	296
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				



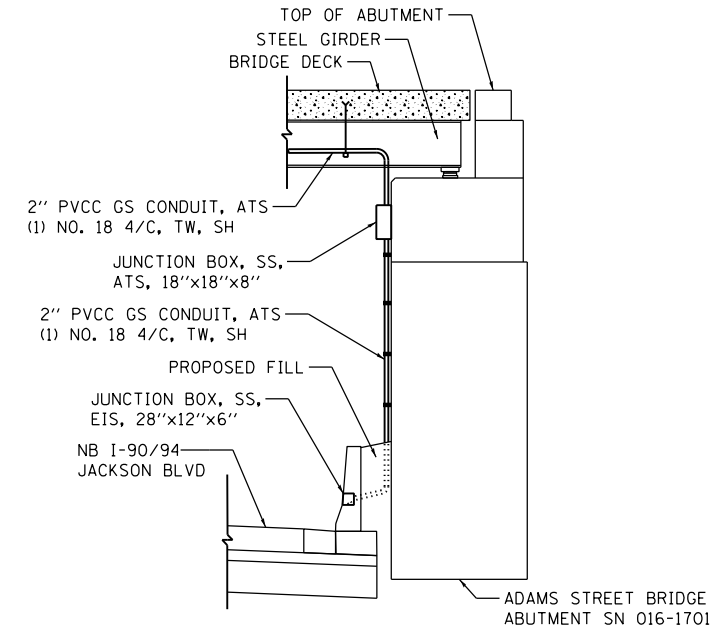
**ADAMS ST - PIER 3
(LOOKING WEST)**



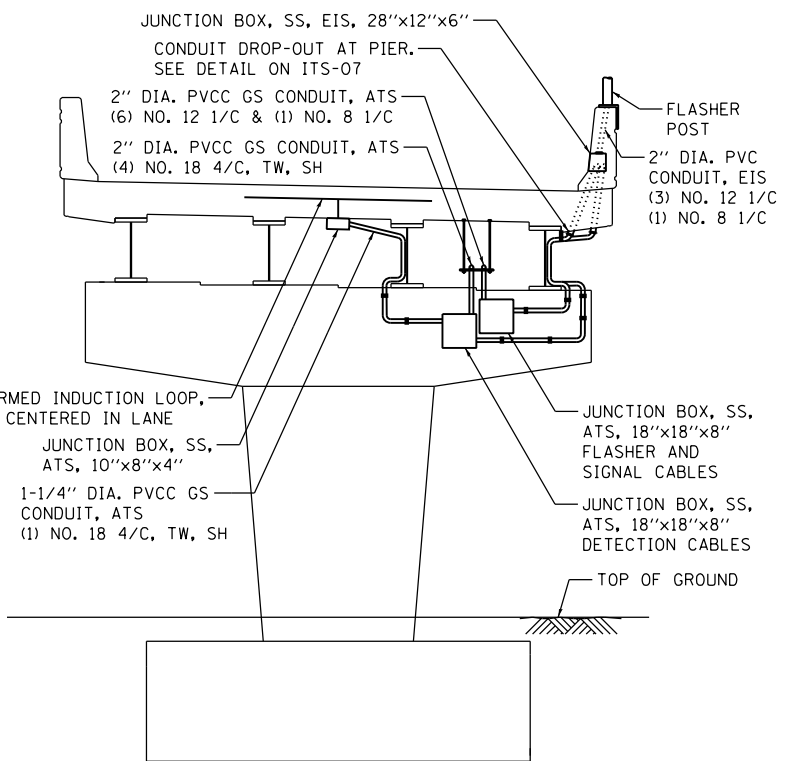
**ADAMS STREET - WEST ABUTMENT
(LOOKING WEST)**



**ADAMS ST - EAST ABUTMENT & RW 24
(LOOKING EAST)**



**ADAMS STREET - WEST ABUTMENT
(LOOKING SOUTH)**



**ADAMS STREET RAMP - PIER R1
(LOOKING SOUTH)**

NOTES:

1. ALL QUANTITIES SHOWN ON SHEET ITS-04 AND ITS-05.
2. THE LOCATIONS OF THE ITS EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATIONS. THE FINAL INSTALLATION LOCATIONS OF THE ITS EQUIPMENT SHALL BE STAKED IN THE FIELD AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING ANY WORK TO ENSURE THAT THERE ARE NO CONFLICTS WITH EXISTING/PROPOSED UTILITIES AND WORK PERFORMED BY OTHER DISCIPLINES.
3. SEE CONDUIT INSTALLATION DETAIL ON SHEET ITS-08.

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM_DS02_NA_Documents\01_Americas\Transportation\60269938_Circle Phase II\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-SHT-ITS-09



D160X94-SHT-ITS-09
 USER NAME = myersc
 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 3/6/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 3-13-2020	REVISED -

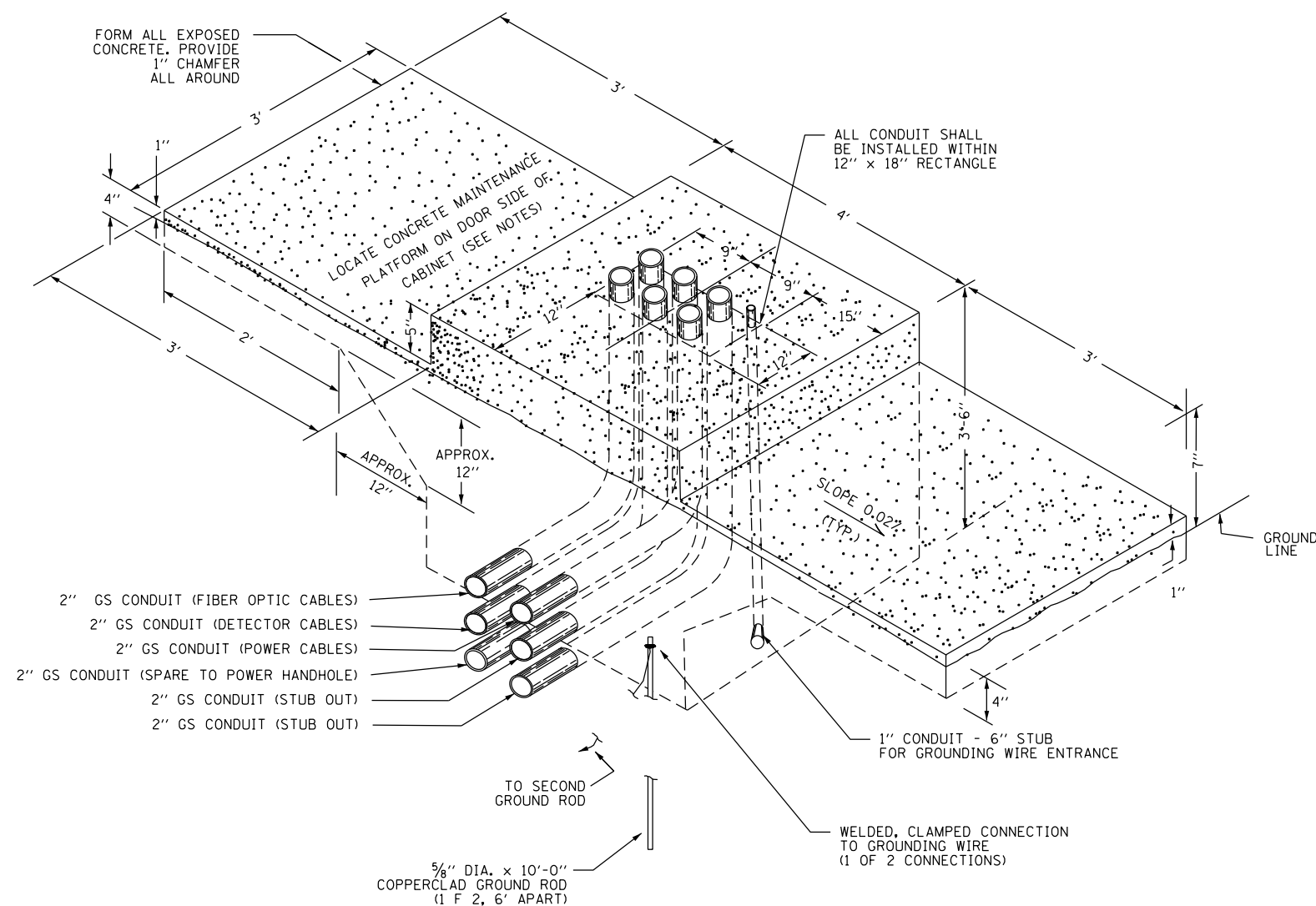
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ITS DETAILS
ADAMS STREET**

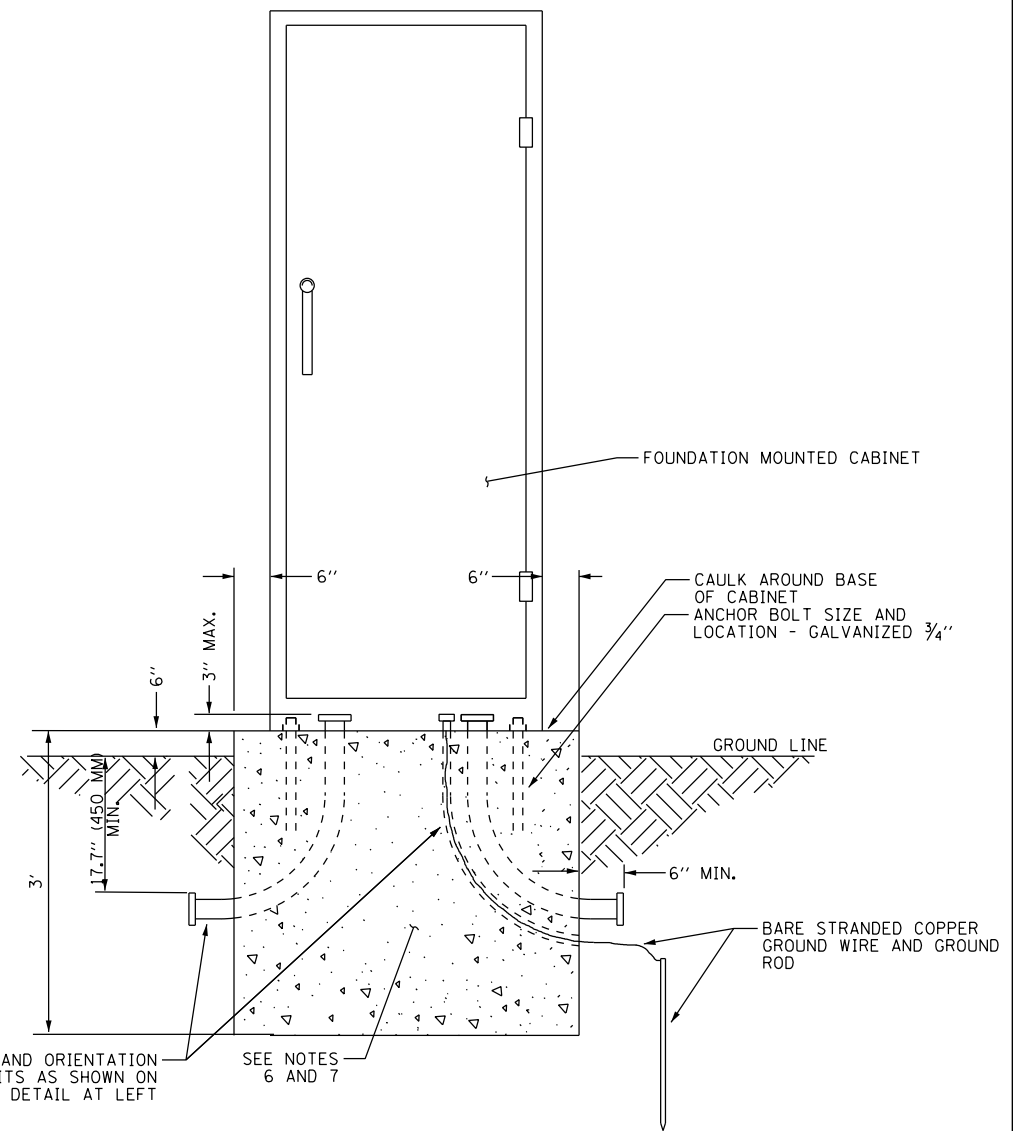
SCALE: N.T.S. SHEET 9 OF 14 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	297
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\aecom\ms-ansi\ecomm\local\aedcom\0502_mn\documents\01_america\transportation\60269938 - Circle Phase 1\1000 CAD\006_Roadway\Sheets\60X94_Contract\0160X94-shr-ITS-10



**TYPICAL DETAIL
CONCRETE BASE, CONTROLLER CABINET**



**CABINET DETAIL
CONCRETE BASE MOUNTED
(MODEL 334)**

NOTES:

1. INSTALL FOUR 3#4 INCH DIAMETER X 12 INCH MINIMUM LENGTH APPROVED J-BOLTS TO ANCHOR THE CABINET BASES. THE ANCHOR BOLTS SHALL BE GALVANIZED STEEL AND LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.
2. CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL, PRIOR TO CABINET INSTALLATION. LEVELING OF TOP SURFACES AFTER CONCRETE BASE HAS CURED SHALL ONLY BE ACCOMPLISHED BY GRINDING.
3. MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.
4. CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.
5. CONCRETE MAINTENANCE PLATFORM AND CABINET FOUNDATION FOR CABINET SHALL BE MONOLITHIC POUR.
6. WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.
7. CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 3 INCH.
8. MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.
9. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.
10. CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
11. PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.
12. ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.
13. ALL METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE BUSHINGS AND ALL NON METALLIC CONDUIT ENDS AT TOP OF CONCRETE BASES SHALL HAVE END BELLS.
14. REFER TO SPECIAL PROVISIONS FOR CABINET DETAILS AND ADDITIONAL REQUIREMENTS.
15. CABINET ENTRIES INCLUDE VERTICAL ARRANGEMENT FOR MAJOR EQUIPMENT ITEMS ONLY.
16. INSTALL ADDITIONAL ITEMS ON SIDE AND BACK PANELS PER THE SPECIAL PROVISIONS.
17. THE CONTRACTOR SHALL INSTALL INSULATED BUSHINGS AND DUCT SEALANT AT ALL CONDUIT BEND TERMINATIONS IN FOUNDATIONS.
18. CONCRETE BASE TO BE FORMED AT LEAST 6" ABOVE THE GROUND SURFACE.
19. ALL WORK INDICATED SHALL BE PAID FOR UNDER ITEM CABINET, MODEL 334 EXCLUSIVE OF THE CONCRETE FOUNDATION.
20. CABINET BOTTOM CONFIGURATION SHALL BE AS DIRECTED BY THE ENGINEER.

ITS-10



D160X94-shr-ITS-10
USER NAME = myersc
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/6/2020

DESIGNED - PTJ
DRAWN - CAM
CHECKED - MJL
DATE - 3-13-2020

REVISED -
REVISED -
REVISED -
REVISED -

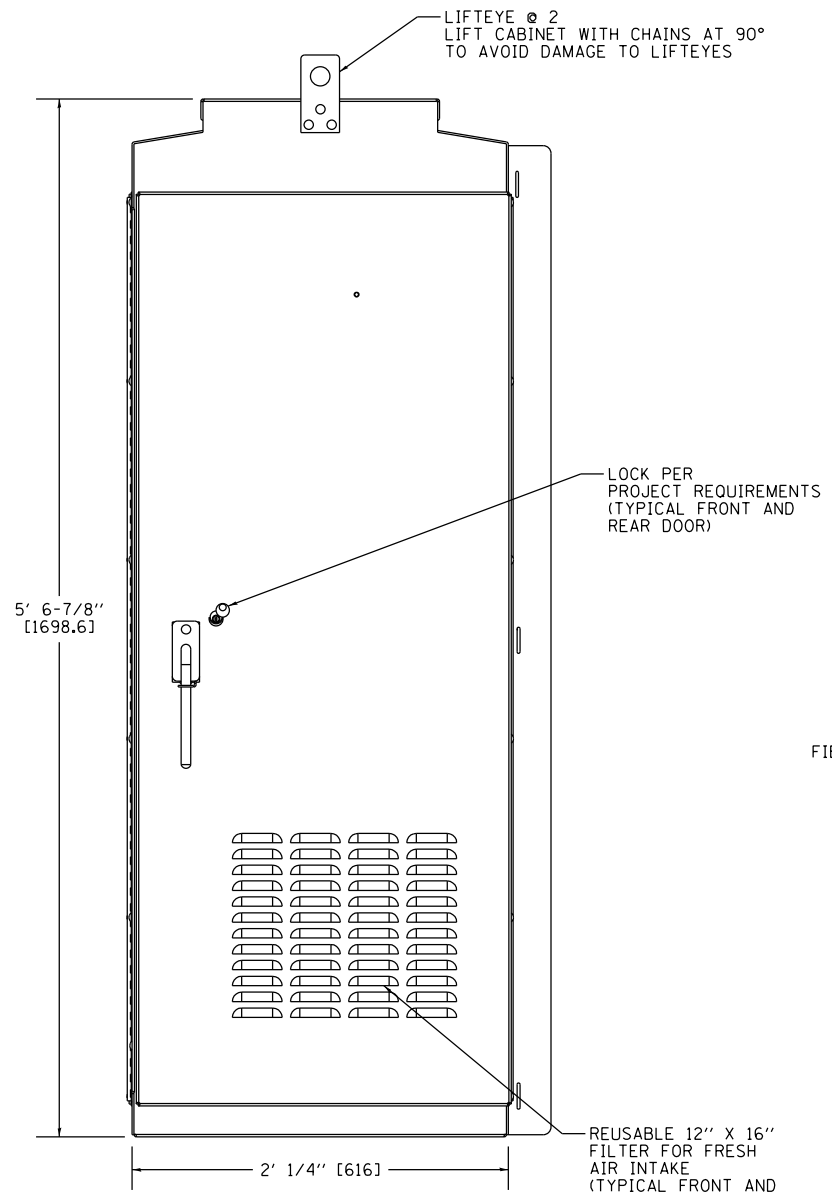
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABINET, MODEL 334 FOUNDATION DETAIL

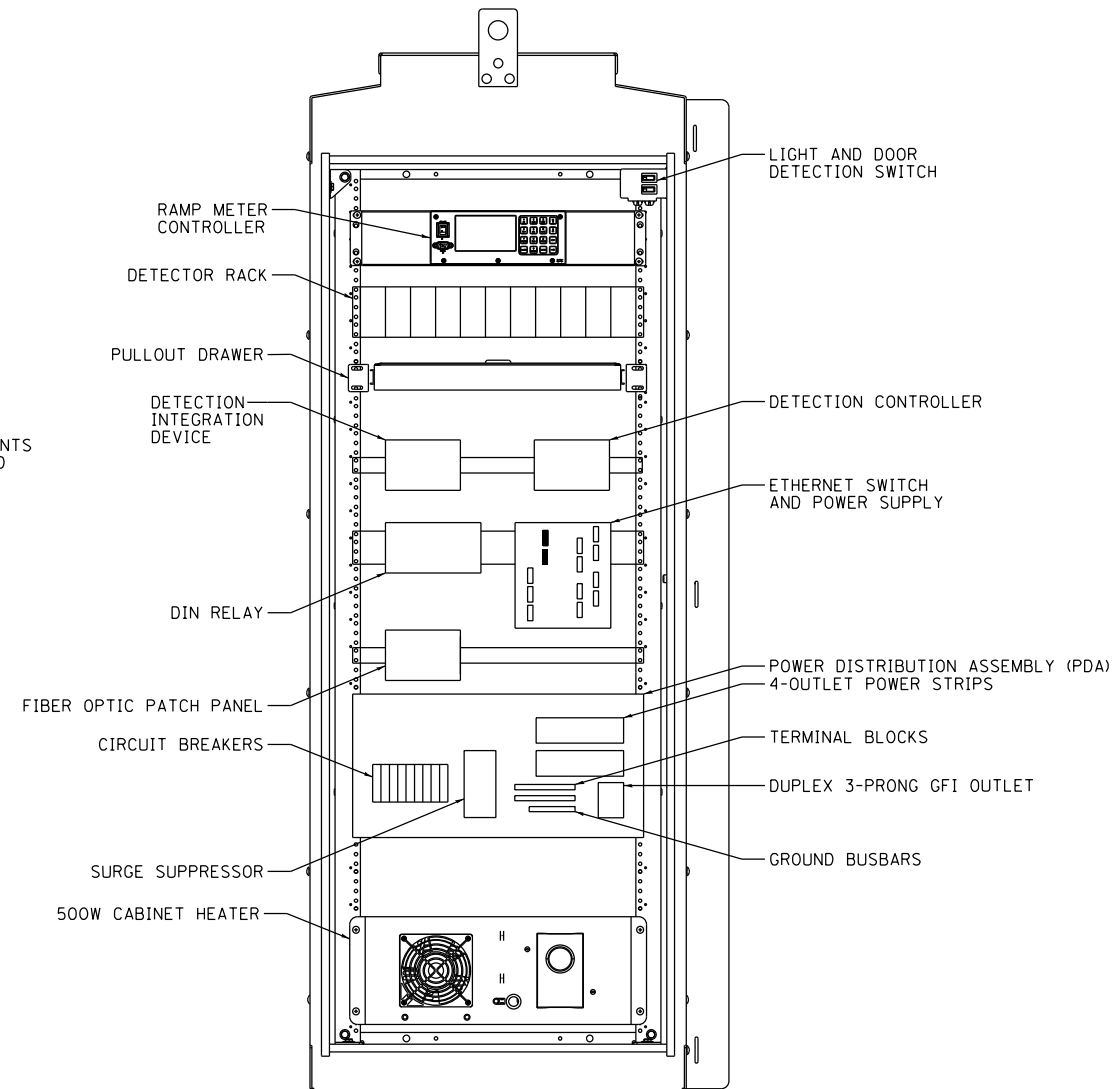
SCALE: N.T.S. SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	298
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase_1\1000_CAD\006_Roadway_Sheets\60X94_Contract\0160X94-shr-ITS-11



FRONT VIEW



COMMUNICATIONS COMPARTMENT
(NO DOORS SHOWN)

TRAFFIC CABINET NOTES:

- CABINET SPECIFICATIONS:
 - ALL DIMENSIONS IN FEET & INCHES [MM], UNLESS OTHERWISE SPECIFIED
 - 0.125" MILL FINISH ALUMINUM 5052-H32 CONSTRUCTION WITH CONTINUOUSLY WELDED EXTERNAL SEAMS
 - THREE POINT LATCH WITH SST HANDLE
 - DOUBLE FLANGED DOOR SEAL WITH 1/2" X 2" CLOSED CELL NEOPRENE GASKET
 - FULL LENGTH EIA GAGE FOR 19" EQUIPMENT
 - NEMA 3R ENCLOSURE
 - ALL STAINLESS STEEL HARDWARE WITH FULL LENGTH STAINLESS STEEL HINGE.
 - DOOR OPENING: 56.750" X 21.750"
- ALL MODIFICATIONS TO CABINET MUST MAINTAIN NEMA 3R RATING.

ITS-11



D160X94-shr-ITS-11	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

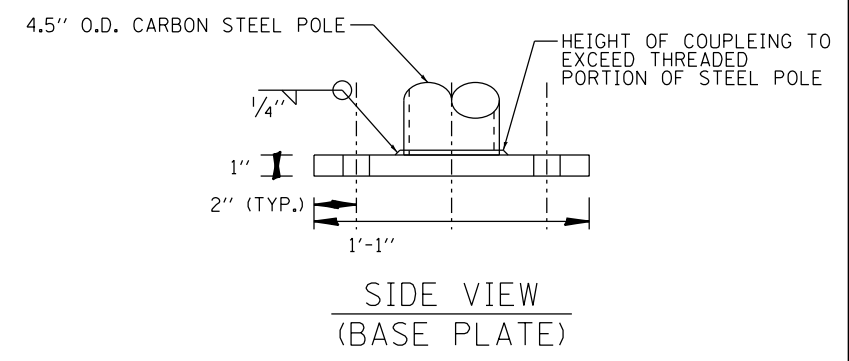
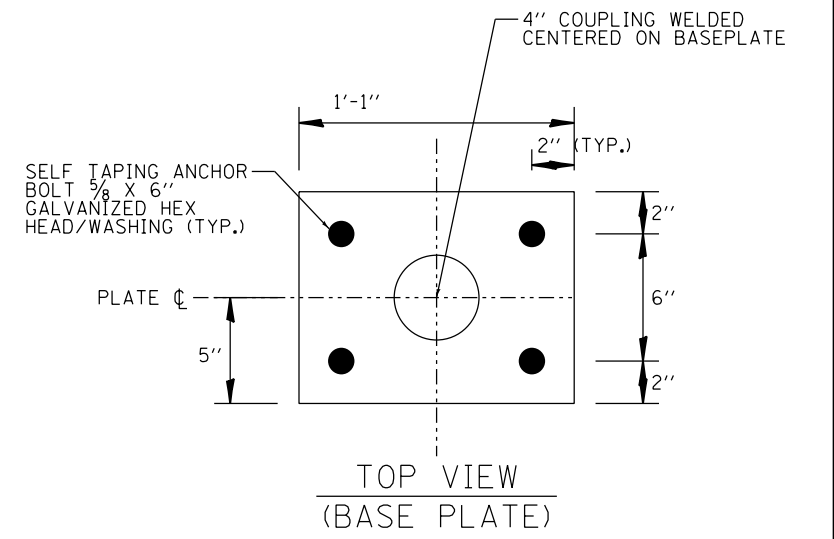
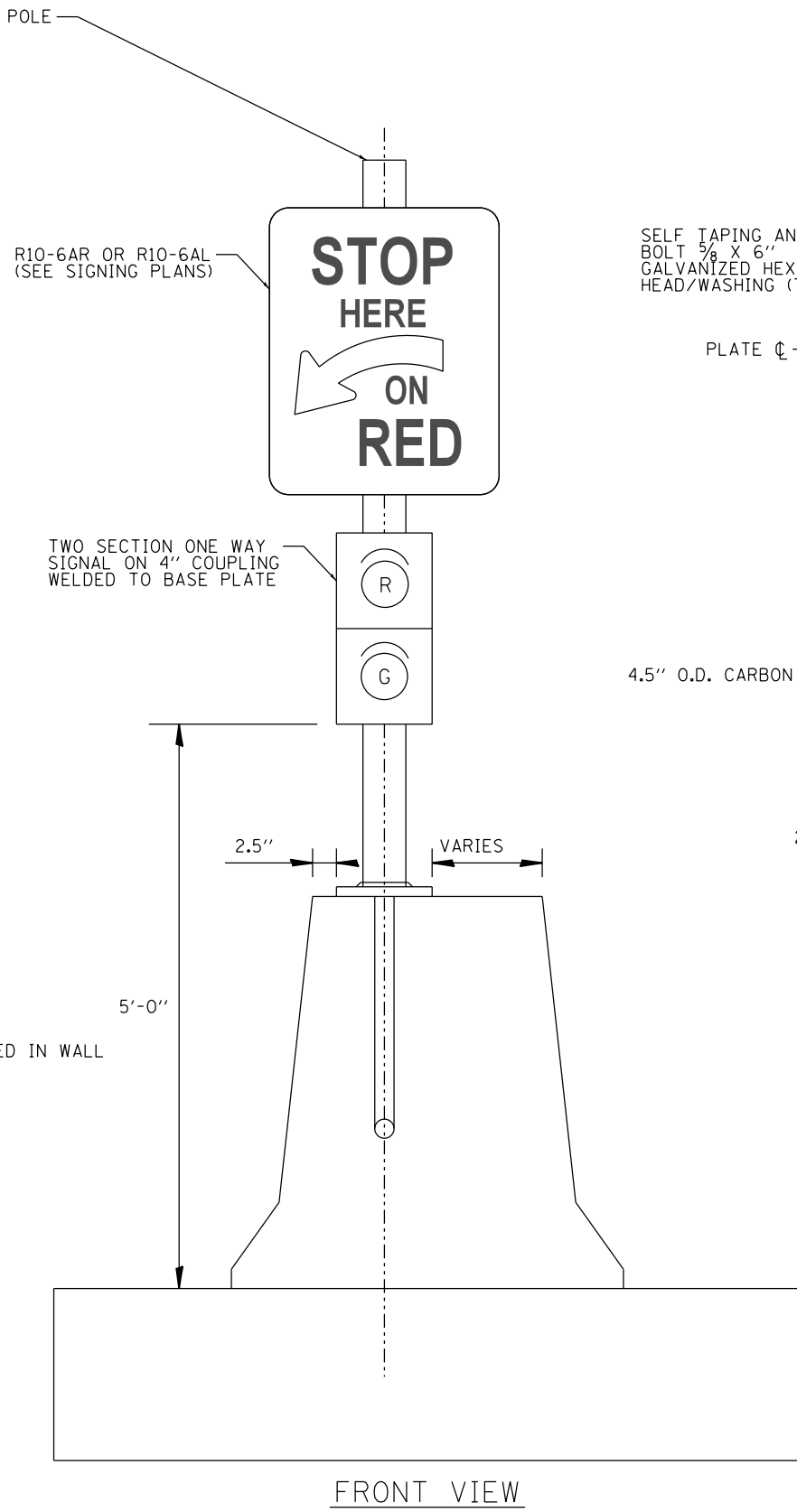
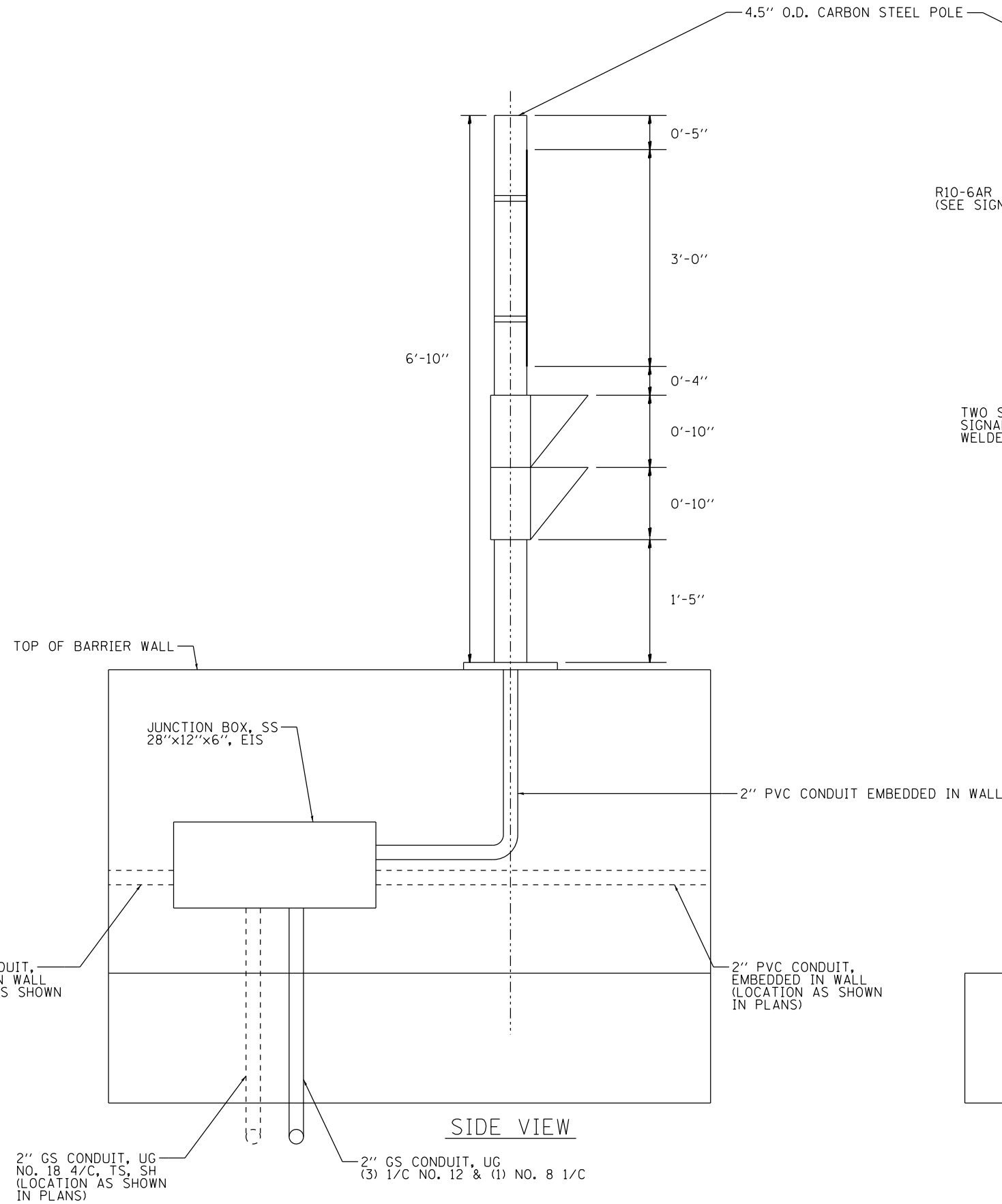
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABINET, MODEL 334 EQUIPMENT, RAMP METER DETAIL

SCALE: N.T.S. SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	299
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle Phase 1\000_CAD\006_Roadway\Sheets\60X94_Contract\0160X94-shr-ITS-12



ITS-12



D160X94-shr-ITS-12	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/6/2020	DATE - 3-13-2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP METER ON BARRIER WALL DETAIL

SCALE: N.T.S. SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-015R&B-R	COOK	825	300
CONTRACT NO. 60X94				
ILLINOIS FED. AID PROJECT				