

STATE OF ILLINOIS

128 +2=130

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	1
ILLINOIS		CONTRACT NO. 61E15		

01-18-2019 LETTING ITEM 139

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAU 1321 (CHICAGO STREET)  
CENTER STREET TO LIBERTY STREET

RECONSTRUCTION

SECTION 12-00183-00-PV  
PROJECT NUMBER: E791(005)

CITY OF ELGIN  
KANE COUNTY

JOB NO. C-91-048-18

FOR INDEX OF SHEETS, PAVEMENT DESIGN,  
AND HIGHWAY STANDARDS  
SEE SHEET NO. 2

FAU 1321 (CHICAGO STREET)  
DESIGN DESIGNATION  
8940(2018) MINOR ARTERIAL 0.72 (PCC-20)  
POSTED SPEED: 30 MPH  
DESIGN SPEED: 30 MPH



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED *Ronald J. Pudd*  
10/3/18  
CITY OF ELGIN, CITY ENGINEER

PASSED *November 1, 2018*  
*Christina Heilholt*  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW *November 2, 2018*  
*Anthony J. Dingley*  
REGIONAL ENGINEER

DATE: 10/9/18  
*Colleen C. Jaltuch*  
COLLEEN C. JALTUCH

LICENSE  
EXPIRES: NOVEMBER 30, 2019

SHEETS: 128

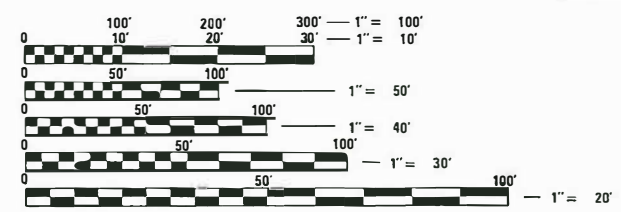
SEAL  
COLLEEN C. JALTUCH  
062-053359  
LICENSED PROFESSIONAL ENGINEER  
OF ILLINOIS

Engineering Enterprises, Inc.  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
Phone: (630) 466-6700

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

PROJECT BEGINS  
STA. 96+56

PROJECT ENDS  
STA. 131+05.63



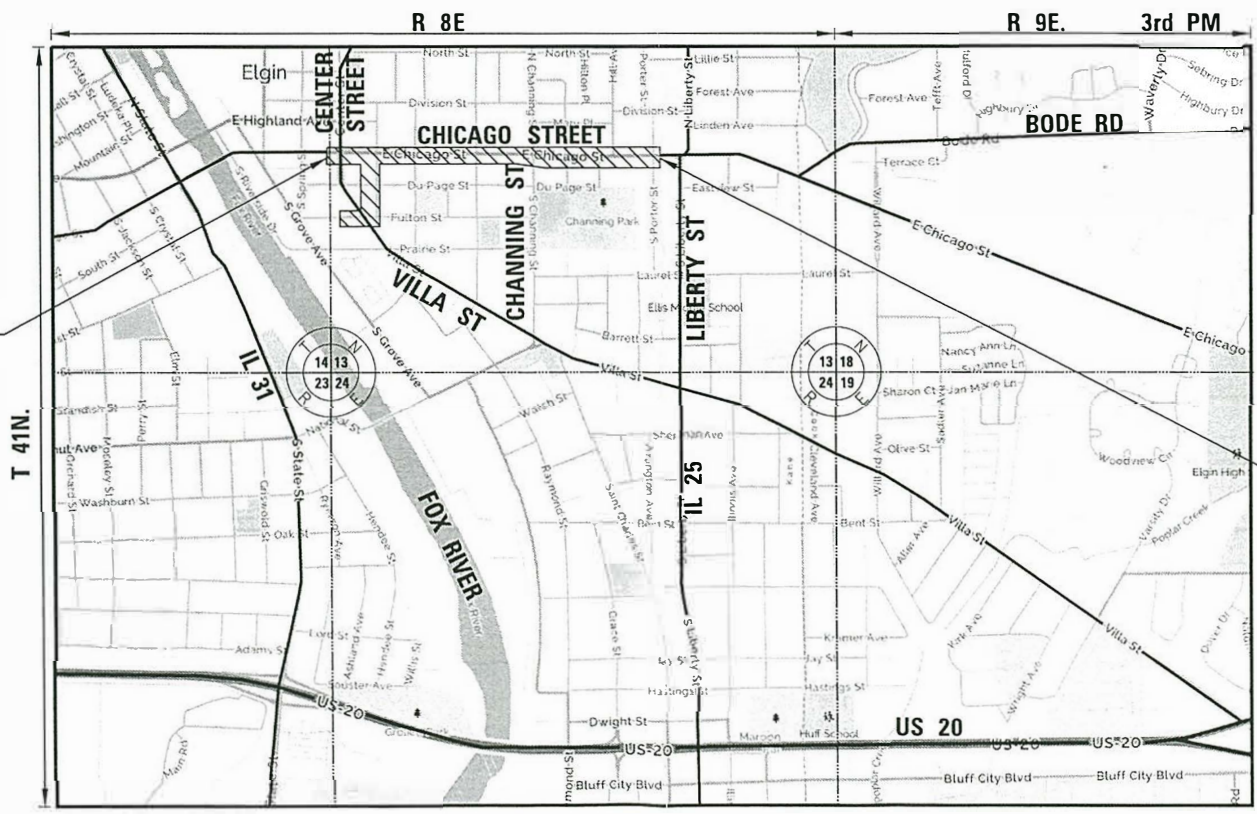
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

Call Before You Dig

**JULIE**  
ILLINOIS  
ONE-CALL SYSTEM

Simply Call 811

CONTRACT NO. 61E15



LOCATION MAP (SCALE 1" = 1000')

TOTAL GROSS AND NET LENGTH OF PROJECT = 3,450 FEET (0.653 MILES)

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Plot# 01/07/2018 13:56:42 PM By: jschmidt

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1.	COVER SHEET
2.	INDEX OF SHEETS, HIGHWAY STANDARDS, AND LEGEND
3.	GENERAL NOTES
4.-5.	SUMMARY OF QUANTITIES
6.-7.	TYPICAL SECTIONS
8.-10.	SCHEDULE OF QUANTITIES
11.	ALIGNMENT, TIES AND BENCHMARKS
12.-16.	REMOVAL PLAN
17.-27.	PLAN AND PROFILE
28.-35A.	TRAFFIC CONTROL AND STAGING PLAN
36.-40.	EROSION CONTROL AND LANDSCAPE PLAN
41.-51.	STORM SEWER PLAN AND PROFILE
52.-60.	WATER AND SANITARY PLAN AND PROFILE
61.-64.	RIGHT OF WAY PLAN
65.-68.	INTERSECTION DETAILS
69.-71.	ADA RAMP ELEVATION PLAN
72.-75.	PCC PAVEMENT JOINTING PLAN
76.-79.	PAVEMENT MARKING, SIGNING, AND LIGHTING PLAN
80.-91.	TRAFFIC SIGNAL DETAILS
92-100.	SPECIAL DETAILS
101.	DISTRICT ONE STANDARD DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
102.	DISTRICT ONE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
103.	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
104.	DISTRICT ONE SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
105.	DISTRICT ONE DETOUR SIGNING FOR CLOSING STATE HIGHWAYS (TC-21)
106.	DISTRICT ONE ARTERIAL ROAD INFORMATION SIGN (TC-22)
107.	DISTRICT ONE DRIVEWAY ENTRANCE SIGNING (TC-26)
108.	DISTRICT ONE DISTANCE BETWEEN ROW AND FACE OF CURB < 15'(4.5 M) (BD-02)
109.	DISTRICT ONE DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (BD-07)
110.	DISTRICT ONE PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
111A.	DISTRICT ONE CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
111B.	DISTRICT ONE PCC PAVEMENT ROUNDOUTS AND CURB AND GUTTER (BD-48)
112.	DISTRICT ONE DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS (BD-52)
113.-128.	CROSS SECTIONS

PAVEMENT DESIGN INFORMATION

CHICAGO STREET  
 JOINTED PCC PAVEMENT  
 CLASS II  
 80,000 LB  
 TWO LANE URBAN  
 2038 ADT 9,899  
 PV 9,573 (96.7%)  
 SU 257 (2.6%)  
 MU 69 (0.7%)  
 TF = 0.71  
 SSR POOR  
 THICKNESS REQUIRED = 7.75"  
 THICKNESS PROVIDED = 8.00"

IDOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
420106-06	36' (10.8M) JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAIN
602401-05	PRECAST MANHOLE TYPE A 4' (1.22M) DIAMETER
602402-01	CAST MANHOLE TYPE A 5' (1.52M) DIAMETER
602406-09	PRECAST MANHOLE TYPE A 6' (1.83M) DIAMETER
602411-07	PRECAST MANHOLE TYPE A 7' (2.13M) DIAMETER
602501-04	PRECAST VALVE VAULT TYPE A 4' (1.22M) DIAMETER
602506-01	CAST VALVE VAULT TYPE A 5' (1.52M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604056-04	FRAME AND GRATE TYPE 11V
606001-07	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5M) TO 24'(600MM) FROM EDGE OF PAVEMENT
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

SUPPLEMENTAL LEGEND

SEE IDOT HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION

	PAVEMENT REMOVAL
	PATCHING
	HOT-MIX ASPHALT SURFACE REMOVAL
	EXISTING CONCRETE DRIVEWAY AND SIDEWALK TO BE REMOVED
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	EXISTING CURB OR CURB & GUTTER
	PROPOSED CURB OR CURB & GUTTER PAVEMENT

REMOVAL NOTATION

	DENOTES STRUCTURE TO BE REMOVED
	TREE REMOVAL
	PIPE REMOVAL
	ABANDONMENT PIPE

STORM SEWER STRUCTURE AND PIPE NOTATION

STRUCTURE NUMBER	108	CB TY C, 2' DIA.	TYPE AND DIAMETER
FRAME & GRATE/LID TYPE	W/ TY IIV FR & GR	119+07.00, 20.50' RT	STATION & OFFSET
RIM OR	TC 761.12		
CURB (TC) ELEVATION	INV 757.06 N, W 12"		INVERT DIRECTION, ELEVATION & SIZE
PIPE NUMBER	PT08	12" SS TY 1	PIPE DIAMETER & SEWER TYPE
MATERIAL	PVC SDR 26		MATERIAL CLASS
LENGTH	8' @ 1.00%		SLOPE
TRENCH BACKFILL QUANTITY	TB 1.3 CY 2'		TRENCH BACKFILL LENGTH

WATER MAIN STRUCTURE AND PIPE NOTATION

STRUCTURE DESCRIPTION	VALVE VAULT		
STRUCTURE TYPE	A-1C 5' DIA.		DIAMETER
FRAME & LID TYPE	20+37, 36' LT		STATION & OFFSET
RIM	702.10		RIM ELEVATION
VALVE TYPE AND SIZE	W/ GATE VALVE, 12"		
PIPE TYPE	WATER MAIN, 8"		PIPE SIZE
MATERIAL	D.I. CL 52		MATERIAL CLASS
LENGTH	94 LIN FT		
TRENCH BACKFILL QUANTITY	TB 1.3 CY 2'		TRENCH BACKFILL LENGTH

SANITARY SEWER STRUCTURE NOTATION

STRUCTURE NUMBER	20	SANITARY MANHOLE - STRUCTURE DESCRIPTION
RIM	698.15	RIM ELEVATION
INV	692.00 N, 8"	INVERT ELEVATION, DIRECTION & SIZE

COMMITMENTS

1. RESIDENT ENGINEER TO COORDINATE WITH PACE BUS FOR RELOCATION OF BUS STOPS DURING STAGE CHANGES. CONTACT RICK WILLMAN, P.E. AT (847) 228-3584

Plot: 11/18/2018 11:35:01 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
 DEPARTMENT OF TRANSPORTATION

**CHICAGO STREET**  
 INDEX OF SHEETS, HIGHWAY STANDARDS, AND LEGEND

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	2
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 75% FEDERAL 25% LOCAL 0004	WATER MAIN 100% LOCAL 0043	TRAINEES 75% FEDERAL 25% LOCAL 0042
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	45	45		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	96	96		
20101100	TREE TRUNK PROTECTION	EACH	44	44		
20101200	TREE ROOT PRUNING	EACH	44	44		
20200100	EARTH EXCAVATION	CU YD	3,734	3,734		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	516	516		
20800150	TRENCH BACKFILL	CU YD	9,635	5,566	4,067	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,680	2,680		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,539	5,539		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	69	69		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	69	69		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	69	69		
25200110	SODDING, SALT TOLERANT	SQ YD	5,539	5,539		
25200200	SUPPLEMENTAL WATERING	UNIT	250	250		
26000250	TEMPORARY EROSION CONTROL SEEDING	POUND	458	458		
26000400	PERIMETER EROSION BARRIER	FOOT	117	117		
26000500	INLET AND PIPE PROTECTION	EACH	89	89		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	896	896		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	16,407	16,957	450	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	6,384		6,384	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	6,052	6,052		
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 6"	SQ YD	67	67		
35501308	HOT MIX ASPHALT BASE COURSE, 6"	SQ YD	448	448		
40000290	BITUMINOUS MATERIALS (TACK COAT)	POUND	303	303		
40601005	HOT MIX ASPHALT REPLACEMENT OVER PATCHES	TON	37	37		
40603080	HOT MIX ASPHALT BINDER COURSE, IL 19.0, N50	TON	73	73		
40603335	HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3,590	44	3,546	
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	15,829	15,829		
42001300	PROTECTIVE COAT	SQ YD	17,750	17,750		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	726	726		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	44,665	44,665		
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	3,269	3,269		
42400800	DETECTABLE WARNINGS	SQ FT	834	834		
44000100	PAVEMENT REMOVAL	SQ YD	26,015	18,146	1,869	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	696	696		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6,668	6,668		
44000600	SIDEWALK REMOVAL	SQ FT	47,935	47,935		
44002216	HOT MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	166	166		
44201333	CLASS C PATCHES, TYPE III, 8 INCH	SQ YD	28	28		
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	80	80		
44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	327	327		
44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	174	174		
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	579	579		
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	14	14		
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	108	108		
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	495	495		
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	1,440	1,440		
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 16"	FOOT	33	33		
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	97	97		
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	280	280		
550A2390	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	273	273		
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	335	335		
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	210	210		
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	413	413		

Δ INDICATES SPECIALTY ITEM  
\* SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 75% FEDERAL 25% LOCAL 0004	WATER MAIN 100% LOCAL 0043	TRAINEES 75% FEDERAL 25% LOCAL 0042
550A2590	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	20	20		
550A2610	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 42"	FOOT	964	964		
550A2620	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 48"	FOOT	927	927		
550A2630	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 54"	FOOT	555	555		
550A2760	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 24"	FOOT	43	43		
550A2800	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 36"	FOOT	357	357		
550A2810	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 42"	FOOT	321	321		
56100500	STORM SEWER REMOVAL 12"	FOOT	958	958		
56100500	WATER MAIN 4"	FOOT	25		25	
56100700	WATER MAIN 6"	FOOT	905		905	
56100900	WATER MAIN 12"	FOOT	3,501		3,501	
56104600	WATER VALVES 2"	EACH	2		2	
56104800	WATER VALVES 4"	EACH	2		2	
56105000	WATER VALVES 6"	EACH	14		14	
56105200	WATER VALVES 12"	EACH	7		7	
56106400	ADJUSTING WATER MAIN 6"	FOOT	100		100	
56200300	WATER SERVICE LINE 1"	FOOT	2,196		2,196	
56200500	WATER SERVICE LINE 1 1/2"	FOOT	38		38	
56200700	WATER SERVICE LINE 2"	FOOT	26		26	
56201120	WATER SERVICE LINE 4"	FOOT	32		32	
56201400	CORPORATION STOPS 1"	EACH	87		87	
56201600	CORPORATION STOPS 1 1/2"	EACH	1		1	
56201800	CORPORATION STOPS 2"	EACH	2		2	
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	6		6	
56500500	DOMESTIC WATER SERVICE BOXES	EACH	90		90	
60107600	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	100	100		
60220200	MANHOLES, TYPE A, 4-DIAMETER	EACH	8	8		
60222900	MANHOLES, TYPE A, 5-DIAMETER	EACH	5	5		
60224075	MANHOLES, TYPE A, 6-DIAMETER	EACH	20	20		
60224125	MANHOLES, TYPE A, 7-DIAMETER	EACH	4	4		
60248700	VALVE VAULTS, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17		17	
60248900	VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7		7	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	74	74		
60255500	MANHOLES TO BE ADJUSTED	EACH	32	32		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	23		23	
60500040	REMOVING MANHOLES	EACH	2	2		
60500050	REMOVING CATCH BASINS	EACH	6	6		
60500060	REMOVING INLETS	EACH	38	38		
60500105	FILLING MANHOLES	EACH	3		3	
60504400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 18"	FOOT	8,645	8,645		
60500200	NON-SPECIAL WASTE DISPOSAL	CU YD	567	257	300	
60900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
60901501	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1		
60901802	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	25	25		
60901803	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1		
67100100	MOBILIZATION	LSUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	100	100		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	395	395		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	46,773	46,773		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	934	934		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	500	500		
72000100	SIGN PANEL - TYPE 1	SQ FT	243	243		
72400509	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1		
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1		

B3: Schmidt  
 12/14/2018 2:19:55 PM  
 C:\Users\james\OneDrive\Documents\1054\1054\_Vapor\099 - final.dwg\ACI104-Cor.dwg


**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eefweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE. 1321	SECTION 12-00183-00-PV	COUNTY KANE	TOTAL SHEETS 128	SHEET NO. 4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E15	

SUMMARY OF QUANTITIES

Table with columns: CODE NUMBER, ITEM, UNIT, TOTAL QUANTITY, ROADWAY 75% FEDERAL 25% LOCAL 0004, WATER MAIN 100% LOCAL 0043, TRAINEES 75% FEDERAL 25% LOCAL 0042. Rows include items like TELESCOPING STEEL SIGN SUPPORT, THERMOPLASTIC PAVEMENT MARKING, EPOXY PAVEMENT MARKING, etc.

Δ INDICATES SPECIALTY ITEM
\* SEE SPECIAL PROVISIONS

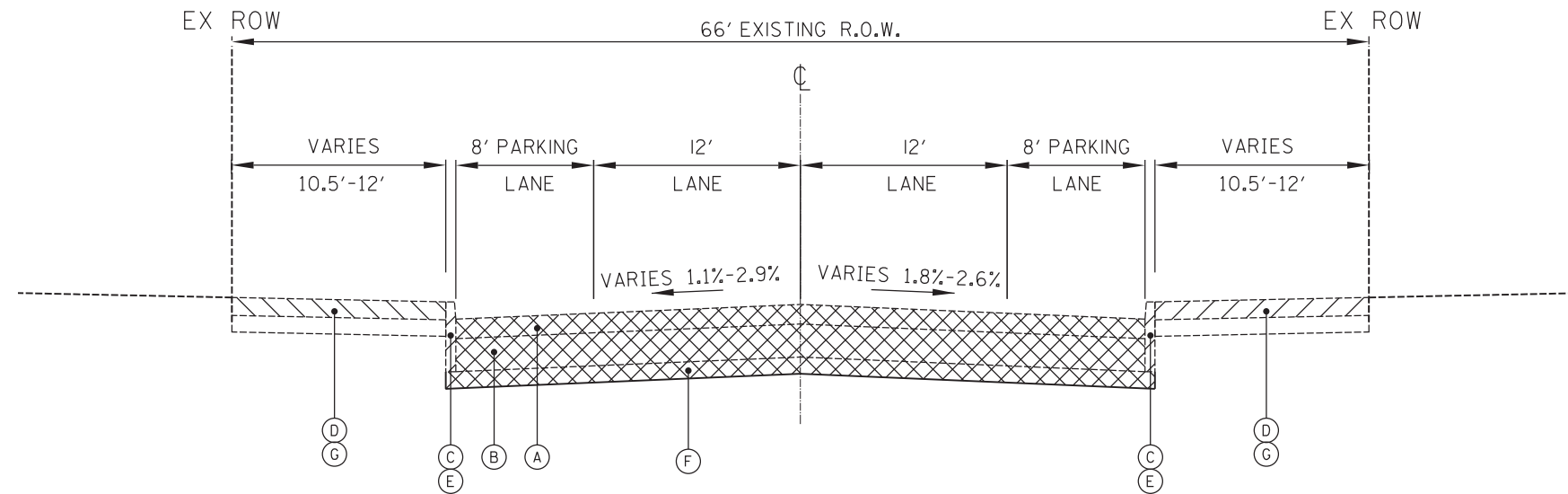
SUMMARY OF QUANTITIES

Table with columns: CODE NUMBER, ITEM, UNIT, TOTAL QUANTITY, ROADWAY 75% FEDERAL 25% LOCAL 0004, WATER MAIN 100% LOCAL 0043, TRAINEES 75% FEDERAL 25% LOCAL 0042. Rows include items like VALVE VAULTS TO BE ABANDONED, EXPLORATION TRENCH, SPECIAL, TEMPORARY ACCESS, etc.

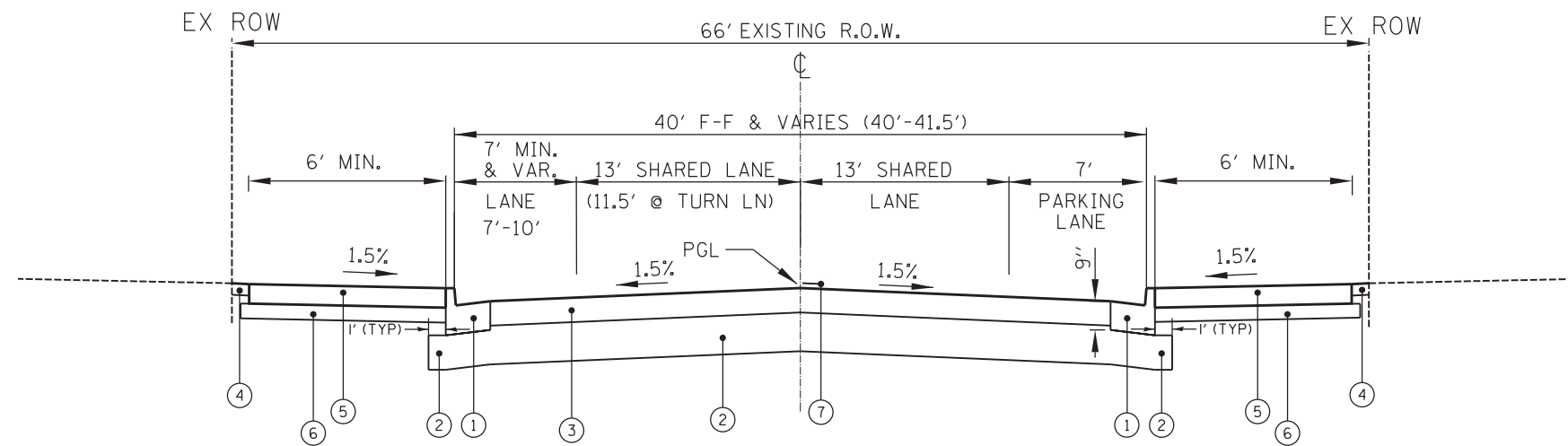
Plot100: 12/1/2018 2:18:45 PM Bx: schmidt

Path: H:\31500000\1010104.dwg, User: schmidt, Date: 12/1/2018 2:18:45 PM

Engineering Enterprises, Inc. CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eelweb.com
CITY OF ELGIN
150 DEXTER CT.
ELGIN, IL 60120
DESIGNED - REVISED -
DRAWN - REVISED -
CHECKED - REVISED -
DATE - REVISED -
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CHICAGO STREET
SUMMARY OF QUANTITIES
F.A.U. RTE. 1321
SECTION 12-00183-00-PV
COUNTY KANE
TOTAL SHEETS 128
SHEET NO. 5
CONTRACT NO. 61E15
ILLINOIS FED. AID PROJECT
SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.



EXISTING TYPICAL SECTION  
STATION 96+56 TO 98+93, CHICAGO STREET



PROPOSED TYPICAL SECTION  
STATION 96+56 TO 98+93, CHICAGO STREET

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING CONCRETE BASE
- (C) EXISTING CONCRETE CURB AND GUTTER TYPE B-6.12 (OVERLAYED WITH ASPHALT)
- (D) EXISTING SIDEWALK
- (E) CURB REMOVAL
- (F) EARTH EXCAVATION
- (G) SIDEWALK REMOVAL

PROPOSED LEGEND

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (4) TOPSOIL, 4", SOD, FERTILIZER
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5" (6" THROUGH DRIVEWAYS)
- (6) AGGREGATE BASE COURSE, TYPE B, 4"
- (7) PAVEMENT MARKING LINE, 4" DOUBLE YELLOW @ 11" O.C.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ N <sub>des</sub>
STABILIZED DRIVEWAY PAVEMENT	STABILIZED DRIVEWAYS 0"	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 2"	4% @ 50 Gyr.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"	4% @ 50 Gyr.
ROADWAY PAVEMENT	STABILIZED DRIVEWAYS 8"	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 3" (2 LIFTS)	4% @ 50 Gyr.
	OVERLAY DURING STAGING	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 4" (2 LIFTS)	4% @ 50 Gyr.
	TEMPORARY PAVEMENT (VARIABLE DEPTH)	
PATCHING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 0'-4"	4% @ 50 Gyr.
	HMA BASE COURSE, 6"	
	HOT-MIX ASPHALT BINDER, IL-19.0, N50, 6" (IN 2 LIFTS)	4% @ 50 Gyr.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"	4% @ 50 Gyr.
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 1.5"	4% @ 50 Gyr.
	HMA REPLACEMENT OVER PATCHES, 4"	
PATCHING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 1.5"	4% @ 70 Gyr.
	HOT-MIX ASPHALT BINDER, IL-19.0, N70, 2.5"	4% @ 70 Gyr.
	CLASS D PATCHES, 4 INCH	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 4"	4% @ 70 Gyr.
PATCHING	CLASS D PATCHES, 10 INCH	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 2"	4% @ 70 Gyr.
	HOT-MIX ASPHALT BINDER, IL-19.0, N70, 8"	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/INCH.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

Plot Date: 11/20/2018 12:25:18 PM By: cjt/ctuch

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

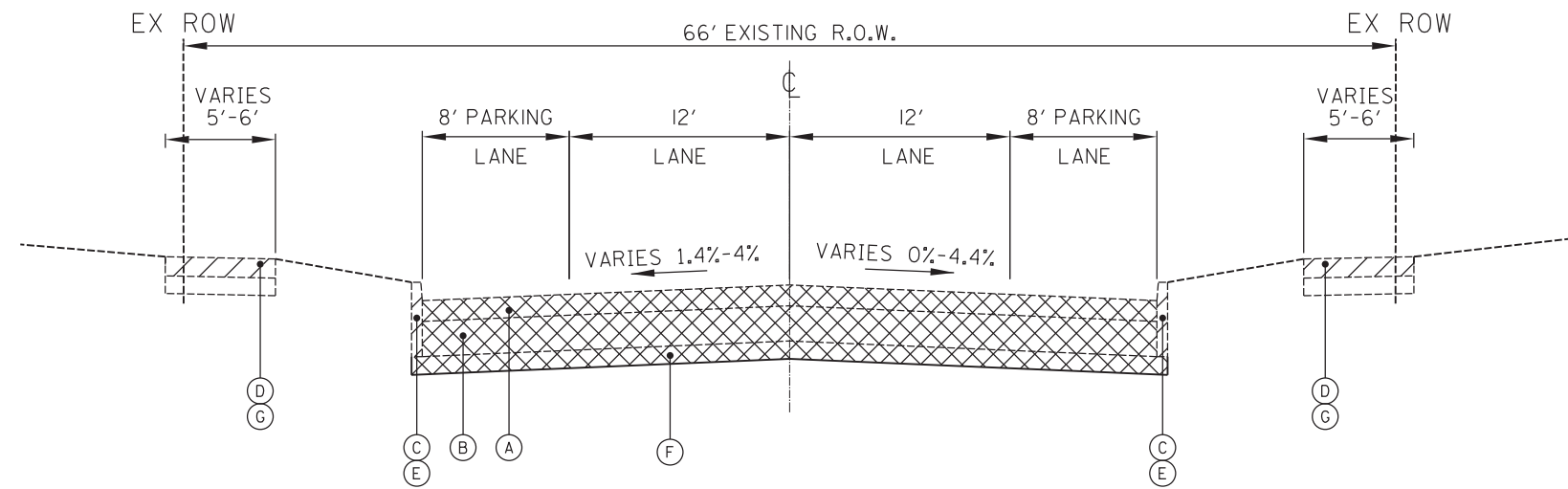
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

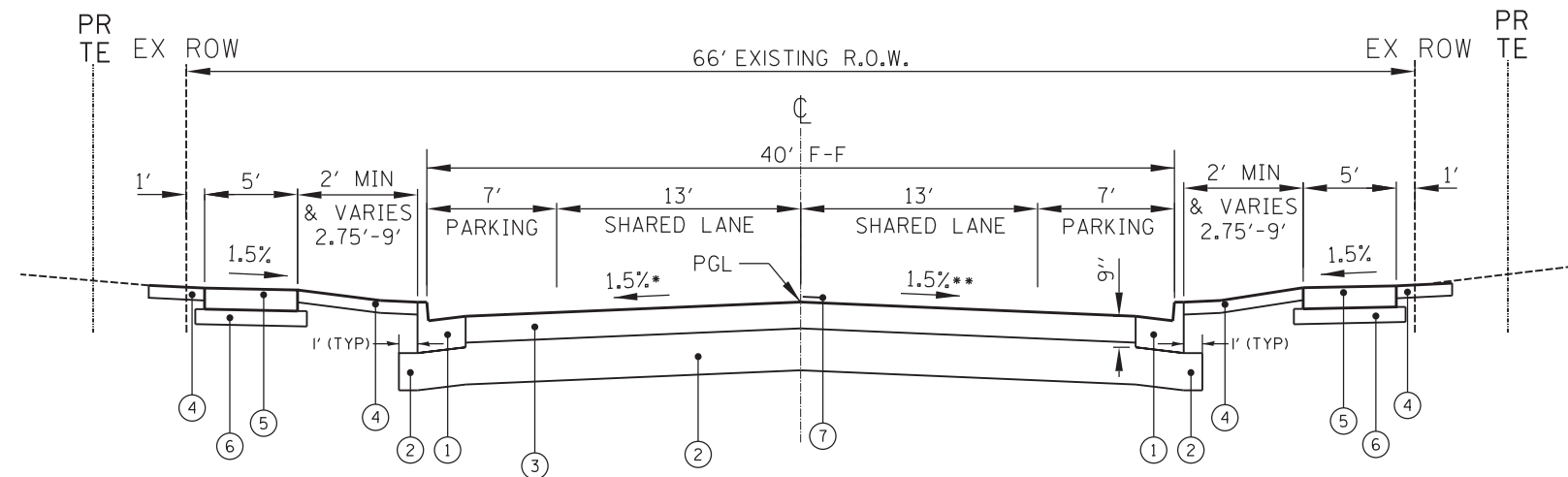
**CHICAGO STREET**  
**TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	6
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION  
STATION 98+93 TO 131+06, CHICAGO STREET



PROPOSED TYPICAL SECTION  
STATION 98+93 TO 131+06, CHICAGO STREET

\* 100+23 - 100+50 SE TRANSITION LT  
100+50 - 102+50 RC (+1.5% SLOPE)  
102+50 - 102+77 SE TRANSITION LT

114+10.5 - 114+24 SE TRANSITION RT  
114+24 - 114+34 0% SLOPE  
114+34 - 114+47.5 TRANSITION RT

\*\* 124+16 - 124+43 SE TRANSITION RT  
124+43 - 127+80 RC (+1.5% SLOPE)  
127+80 - 128+07 SE TRANSITION RT

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING CONCRETE BASE
- (C) EXISTING CONCRETE CURB AND GUTTER TYPE B-6.12 (OVERLAYED WITH ASPHALT)
- (D) EXISTING SIDEWALK
- (E) CURB REMOVAL
- (F) EARTH EXCAVATION
- (G) SIDEWALK REMOVAL

PROPOSED LEGEND

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (4) TOPSOIL, 4", SOD, FERTILIZER
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5" (6" THROUGH DRIVEWAYS)
- (6) AGGREGATE BASE COURSE, TYPE B, 4"
- (7) PAVEMENT MARKING LINE, 4" DOUBLE YELLOW @ 11" O.C.

Plot: 11/08/2018 11:25:53 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	7
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	





### WATER MAIN AND APPURTENANCES

LOCATION	TRENCH BACKFILL CU YD	WATER MAIN 4" FOOT	WATER MAIN 8" FOOT	WATER MAIN 12" FOOT	WATER VALVES 2" EACH	WATER VALVES 4" EACH	WATER VALVES 8" EACH	WATER VALVES 12" EACH	WATER SERVICE LINE 1" FOOT	WATER SERVICE LINE 1.5" FOOT	WATER SERVICE LINE 2" FOOT	WATER SERVICE LINE 4" FOOT	CORP STOPS 1" EACH	CORP STOPS 1.5" EACH	CORP STOPS 2" EACH	DOM WATER SVC BOXES EACH	VV, TY A, 4"-DIA, TY 1 FRAME, CL EACH	VV, TY A, 5"-DIA, TY 1 FRAME, CL EACH	CUT AND CAP EX 4" WATER MAIN EACH	CUT AND CAP EX 6" WATER MAIN EACH	CUT AND CAP EX 8" WATER MAIN EACH	CONN TO EX WATER MAIN 4" EACH	CONN TO EX WATER MAIN 6" EACH	CONN TO EX WATER MAIN 8" EACH	CONN TO EX WATER MAIN 12" EACH	CONN TO EX WATER MAIN 16" EACH	WATER MAIN LINE STOP 4" EACH	WATER MAIN LINE STOP 6" EACH	WATER MAIN LINE STOP 8" EACH	WATER MAIN LINE STOP 12" EACH	WATER MAIN LINE STOP 16" EACH	FIRE HYD ASSEM COMP EACH	WATER MAIN CASING PIPE FOOT	CURB STOPS 1" EACH	CURB STOPS 1.5" EACH	CURB STOPS 2" EACH							
95+00 TO 99+50	411		12	338					1				12			4					3					1																	
99+50 TO 104+50	675		154	515		1	2	2	388	38			20	13	1	14	3		2	1		2	1			2	2			1	1			2				13	1				
104+50 TO 109+50	439			500					211				12																														
109+50 TO 114+50	582		156	500			2	1	298				12				2	1	0	2																							
114+50 TO 119+00	493		140	450			2	1	283				12				2	1	1	1		1	1				1	1															
119+00 to 124+00	665	15	245	500			4	1	361				15				4	1	1																								
124+00 TO 128+00	486	5	80	400	1		1		340				13				2		1	3		1																					
128+00 TO 131+06	316	5	138	298	1		2	1	190				7			1	2	1		3																							
<b>TOTAL (NON-PART)</b>	<b>4067</b>	<b>25</b>	<b>505</b>	<b>3501</b>	<b>2</b>	<b>2</b>	<b>14</b>	<b>7</b>	<b>2196</b>	<b>38</b>	<b>26</b>	<b>32</b>	<b>87</b>	<b>1</b>	<b>2</b>	<b>90</b>	<b>17</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>16</b>	<b>66</b>	<b>87</b>	<b>1</b>	<b>2</b>							

\*\* ALL WATER MAIN ITEMS ARE NON-PARTICIPATORY

### REMOVAL

STATION	PAVEMENT REM SQ YD	DRIVE PAVEMENT REM SQ YD	SIDEWALK REM SQ FT	STORM SEWER REM 12 FOOT	ABAN & FILL EX STORM SEWER FOOT	REMOVE EXISTING CATCH BASIN EACH	REMOVE EXISTING MANHOLE EACH	REMOVE EXISTING INLET EACH	REMOVE EXISTING SANITARY MANHOLE EACH	VALVE VAULT TO BE ABAN & FILLED EACH	FILL EX MANHOLE EACH	CURB AND GUTTER REMOVAL FOOT	REMOVE EX FIRE HYDRANT EACH
96+56 TO 99+50	1218	43.8	6329	70		1		2	1	3		690	
99+50 TO 104+50	2940	52.9	6743	262		3		5		8	1	1340	2
104+50 TO 109+50	2056	70.8	6028	43				2	2	3	1	1026	1
109+50 TO 114+50	2334	73.8	5927	87		1		4	1	4		1119	1
114+50 TO 119+00	2177	11.9	4929	60				2		4		1068	1
119+00 TO 124+00	2491	123.1	6059	205				6		6	1	1123	1
124+00 TO 128+00	1307	128.4	4806	43				1	1	2		857	1
128+00 TO 131+05.63	1554	19.6	3039	160				4	1	2		720	1
FULTON ST 800+00 TO 802+00	59.6	718	28	89				2				157	
GENEVA ST 193+00 TO 197+00	80.9	2153		430	1			7				447.6	
GENEVA ST 197+50 TO 199+00	30.8	1204										120	
FROM TEMP ROADWAY SCHED **	1369												
<b>SUB TOTAL PART</b>	<b>18146</b>	<b>696</b>	<b>47935</b>	<b>958</b>	<b>519</b>	<b>6</b>	<b>2</b>	<b>35</b>	<b>6</b>	<b>29</b>	<b>3</b>	<b>8668</b>	<b>8</b>
<b>SUB TOTAL NON-PART</b>	<b>1369</b>												
<b>TOTAL</b>	<b>2015</b>	<b>696</b>	<b>47935</b>	<b>958</b>	<b>519</b>	<b>6</b>	<b>2</b>	<b>35</b>	<b>6</b>	<b>29</b>	<b>3</b>	<b>8668</b>	<b>8</b>

QUANTITIES WITH ASTERISKS (\*\*) ARE NON-PARTICIPATORY

#### SANITARY MANHOLES TO BE ADJUSTED

STATION	SAN NH EACH
96+56 TO 99+50	3
99+50 TO 104+50	3
104+50 TO 109+50	2
109+50 TO 114+50	4
114+50 TO 119+00	2
119+00 TO 124+00	3
124+00 TO 128+00	2
128+00 TO 131+05.63	1
<b>TOTAL</b>	<b>20</b>

#### SANITARY SEWER

LOCATION	CURED-IN-PLACE PIPE LINER, 21" FOOT	CURED-IN-PLACE PIPE LINER, 24" FOOT	SANITARY MANHOLE LINING FOOT	SANITARY MH T A-1C EACH
	95+00 TO 99+50		393	20
99+50 TO 104+50		395	37	
104+50 TO 109+50		622		2
109+50 TO 114+50	402		44	1
114+50 TO 119+00	510		28	
119+00 TO 124+00	496		27	
124+00 TO 128+00	429		13	1
128+00 TO 131+06				1
<b>TOTAL</b>	<b>1837</b>	<b>1410</b>	<b>169</b>	<b>6</b>

#### STORM SEWER STRUCTURES TO BE ADJUSTED

STATION	CB EACH	MH EACH
96+56 TO 99+50	8	3
99+50 TO 104+50	16	7
104+50 TO 109+50	10	5
109+50 TO 114+50	10	5
114+50 TO 119+00	10	4
119+00 TO 124+00	10	5
124+00 TO 128+00	4	2
128+00 TO 131+05.63	6	1
<b>TOTAL</b>	<b>74</b>	<b>32</b>

#### VALVE VAULTS TO BE ADJUSTED

STATION	VV EACH
96+56 TO 99+50	3
99+50 TO 104+50	5
104+50 TO 109+50	0
109+50 TO 114+50	3
114+50 TO 119+00	3
119+00 TO 124+00	5
124+00 TO 128+00	1
128+00 TO 131+05.63	3
<b>TOTAL</b>	<b>23</b>

#### TEMPORARY PAVEMENT MARKING & PAVEMENT MARKING REMOVAL

STAGE	TEMP PVT MK LTR & SYM SQ FT	TEMP PM LINE 4 FOOT	TEMP PM LINE 6 FOOT	TEMP PM LINE 24 FOOT	PVT MKG REM - GRIND SQ FT	PVT MKG REM - WTR BLAST SQ FT
STAGE 1	124.8	5279	232	100	300	72.8
STAGE 2	72.8	5405	235	100	3500	124.8
STAGE 3	124.8	5279	232	100	3500	72.8
STAGE 4	72.8	5405	235	100	3500	124.8
STAGE 5		5405		100		424.8
BEFORE PERMANENT MARKING						5000
<b>TOTAL</b>	<b>395</b>	<b>46773</b>	<b>934</b>	<b>500</b>	<b>10800</b>	<b>5820</b>

#### PLAN ALLOWANCE

ITEM	UNITS	QUANTITY
EXPLORATION TRENCH, SPECIAL	FOOT	600
SANITARY SERVICE CONNECTION	EACH	35
SANITARY SERVICE TO BE ADJUSTED	EACH	35
ADJUSTING WATER SERVICE LINES	EACH	90
ADJUSTING WATER MAIN 8"	FOOT	100
TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	60
TRACK REMOVAL	FOOT	500
COLD MIX ASPHALT MIXTURE	TON	10

PAVEMENT MARKING REMOVAL IN STAGE 1 TO REMOVE EXISTING CONFLICTING PAVEMENT MARKINGS.  
 PAVEMENT MARKING REMOVAL IN STAGE 2 TO REMOVE CONFLICTING PAVEMENT MARKINGS FROM STAGE 1.  
 PAVEMENT MARKING REMOVAL IN STAGE 3 TO REMOVE CONFLICTING PAVEMENT MARKINGS FROM STAGE 2.  
 PAVEMENT MARKING REMOVAL AFTER STAGE 4 TO REMOVE CONFLICTING PAVEMENT MARKING FROM STAGE 3  
 PAVEMENT MARKING REMOVAL AFTER STAGE 5 TO REMOVE CONFLICTING PAVEMENT MARKING FROM STAGE 5 AND BEFORE OPENING TO TRAFFIC.

### DRIVEWAY PAVEMENT AND SIDEWALK

LOCATION	LT./RT.	AGG BASE CSE B 4 SQ YD	PCC DRIVEWAY PAVT 6 SQ YD	PC CONC SIDEWALK 5 SQ FT	PC CONC SIDEWALK 6 SQ FT	DETECTABLE WARNINGS SQ FT	STAB DRIVEWAYS 8 SQ YD	STAB DRIVEWAYS 10 SQ YD
96+56 TO 99+50	LT/RT	679.2		6113		35		
97+99 FCC ALLEY	LT	20.1	12		73			
98+66 PCC CE	LT	23.2	14		83			
98+82 FCC ALLEY	RT	16.7	10		60			1
99+50 TO 104+50	LT/RT	709.6		6387		175		
102+26.50 PCC PE	LT	14.3	9		50			
102+37 PCC ALLEY	RT	15.9	9		60			1
102+39 PCC PE	LT	22.8	14		81			2
102+79 PCC PE	RT	22.8	13		92			1
102+88 PCC PE	RT	18.2	10		73			1
104+50 TO 109+50	LT/RT	621.6		5594		22		
105+47 PCC CE	RT	71.7	44		247			
105+69.50 PCC PE	LT	20.4	13		65			
107+30 PCC PE	LT	20.7	14		60			1
108+34 PCC PE	LT	17.4	10		62			8
109+50 TO 114+50	LT/RT	620.3		5583		95		
109+52.50 PCC PE	LT	22.7	16		59			
112+77 PCC PE	RT	26.9	16		101			2
112+94 PCC PE	RT	17.4	10		64			1
113+35 PCC PE	LT	22.1	15		60			
114+29 PCC PE	RT	22.4	16		60			
114+50 TO 119+00	LT/RT	541.0		4869		102		
114+78.50 PCC PE	LT	16.8	10		60			
119+00 TO 124+00	LT/RT	607.5		5468		130		
120+49 PCC PE	LT	14.9	8		60			5
120+66 PCC PE	RT	26.2	20		60			
120+86 PCC PE	RT	19.1	12		60			6
121+45 PCC PE	RT	17.4	11		60			6
121+70 PCC PE	LT	16.4	10		55			1
121+79 PCC PE	LT	15.0	9		50			1
122+29 PCC PE	RT	17.5	11		60			5
122+39.50 PCC PE	LT	19.3	13		60			
123+04 PCC PE	LT	19.0	12		60			
123+99 PCC PE	RT	18.2	11		66			
124+00 TO 128+00	LT/RT	460.3		4143		25		
124+14 PCC PE	RT	12.7	8		46			
124+43 PCC PE	RT	23.0	17		57			
124+88 PCC PE	RT	22.8	16		60			

Table with columns: STORM SEWER AND STORM SEWER STRUCTURES. Columns include STATION, OFFSET, LT/RT, and various pipe sizes (12" to 48"). Rows 37-98 contain data for various structures with their respective dimensions and materials.

Table with columns: STORM SEWER AND STORM SEWER STRUCTURES. Columns include STATION, OFFSET, LT/RT, and various pipe sizes (12" to 48"). Rows 99-233 contain data for various structures, including sections for FULTON ST, GENEVA ST, and EX sections.

FOR STORM SEWERS: STATION SHOWN IS FOR THE UPSTREAM END OF THE PIPE  
QUANTITIES WITH ASTERISKS (\*) ARE NON-PARTICIPATORY

TOTAL 80 2 8 5 20 4 2 1 33 29 57 3 1440 33 97 280 273 335 210 413 20 654 927 555 43 357 321 5568.0

Plot #ed: 11/8/2018 2:23:35 PM By: Jschmidt

Engineering Enterprises, Inc.  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

CITY OF ELGIN  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO STREET  
SCHEDULE OF QUANTITIES

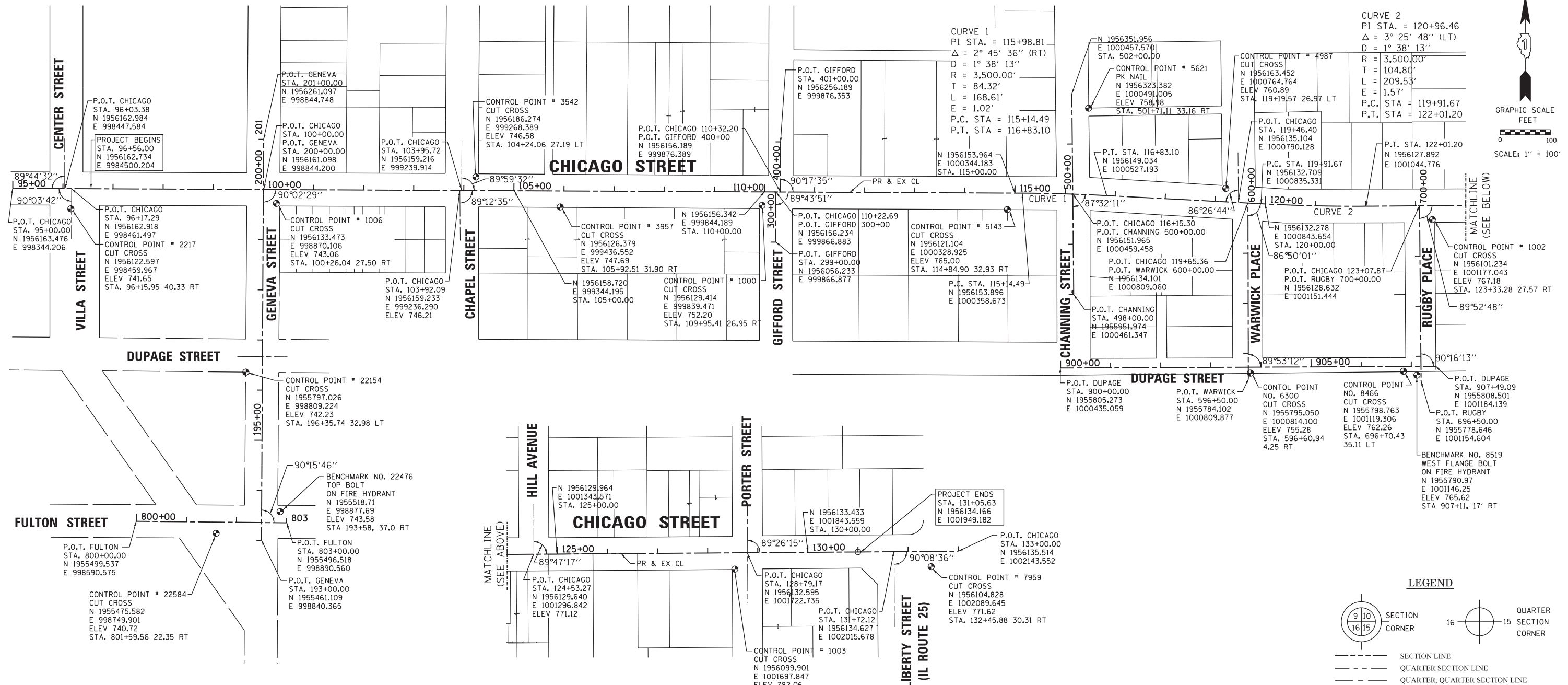
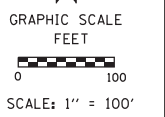
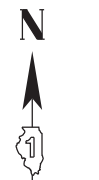
SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.  
1321 12-00183-00-PV KANE 128 10  
CONTRACT NO. 61E15  
ILLINOIS FED. AID PROJECT

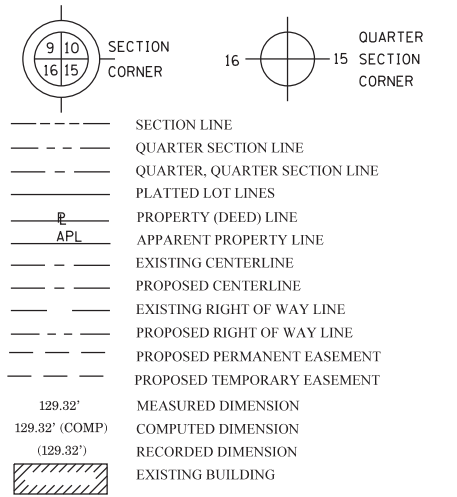
Path: H:\SBSKPro\ECT04-Vgn\Dgn Final Eng\ECT04-Cvr.dgn

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

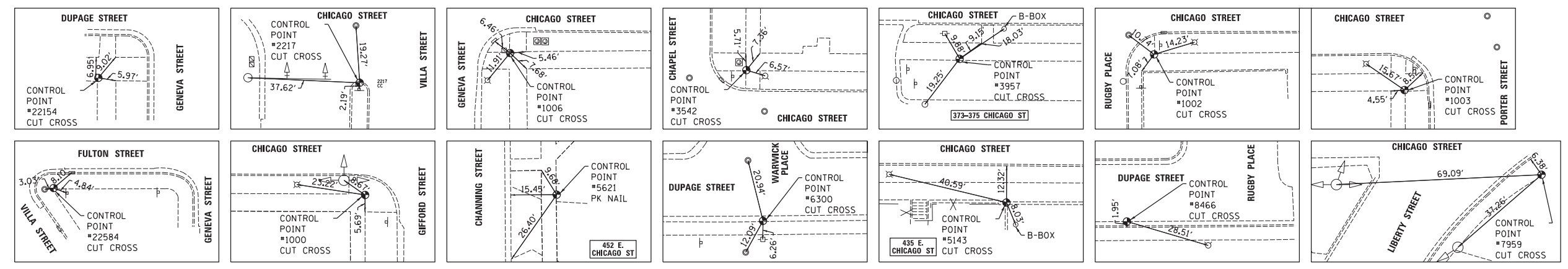
PART OF THE SE 1/4 SECTION 13 AND THE SW 1/4 SECTION 13, TWP. 41 N., R.8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND



BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83. COORDINATES ARE ON THE GROUND  
 ELEVATIONS ARE NGVD 29 DATUM, ESTABLISHED FROM THE KANE COUNTY GEODETIC SURVEY BENCHMARK NETWORK



**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

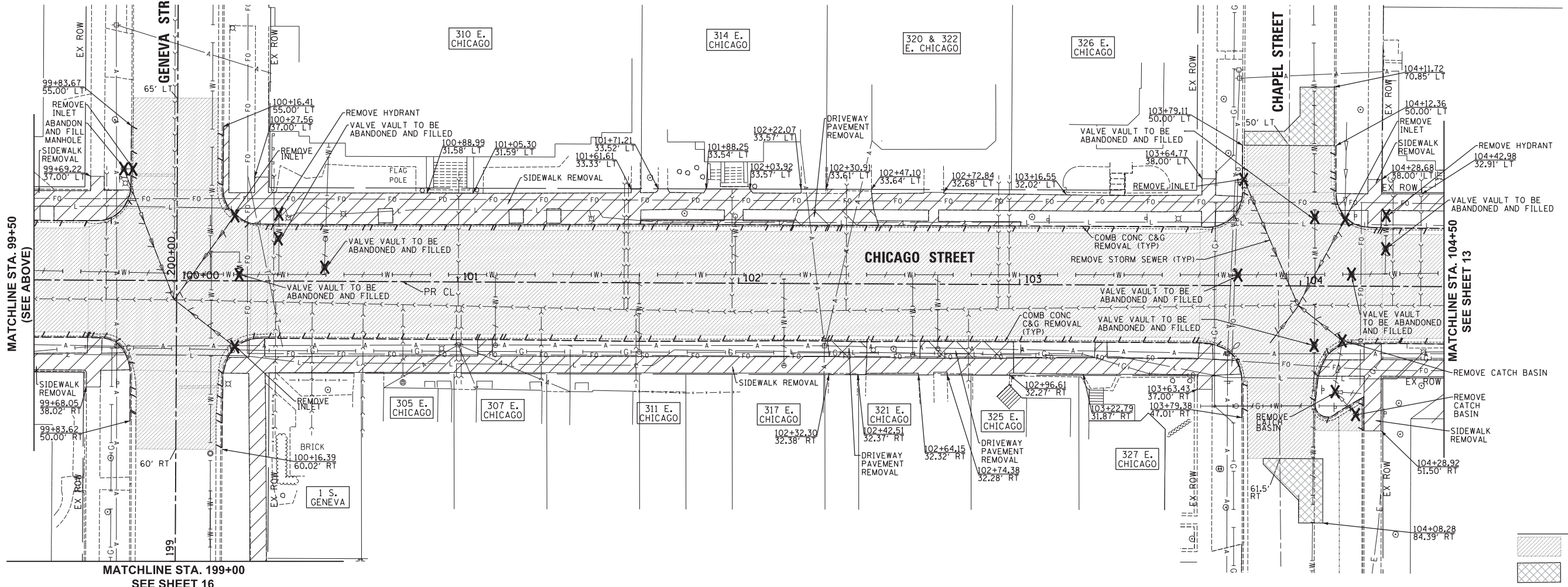
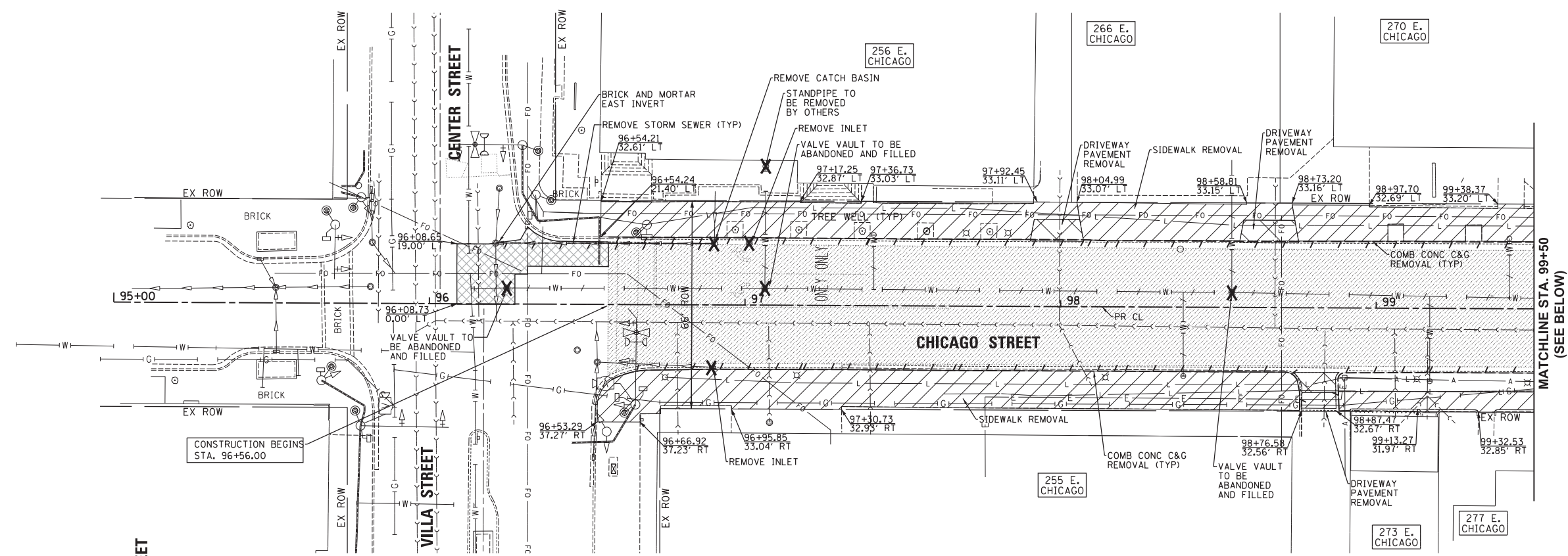
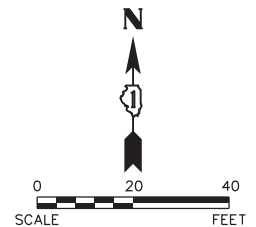
**CHICAGO STREET**  
**ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=100' SHEET NO. 1 OF 1 SHEETS STA. 1 TO STA. 1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	11
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Plot#ed: 10/9/2017 7:39:13 AM By: Jschmidt

Path: H:\SBSKProj\EST04\Drawn\Drawn\Final Eng\EST04-Plan 100sc.dgn



MATCHLINE STA. 99+50  
(SEE ABOVE)

MATCHLINE STA. 104+50  
SEE SHEET 13

**LEGEND**

	PAVEMENT REMOVAL
	HOT MIX ASPHALT REMOVAL OVER PATCHES

Plot#ed: 10/8/2018 2:46:04 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

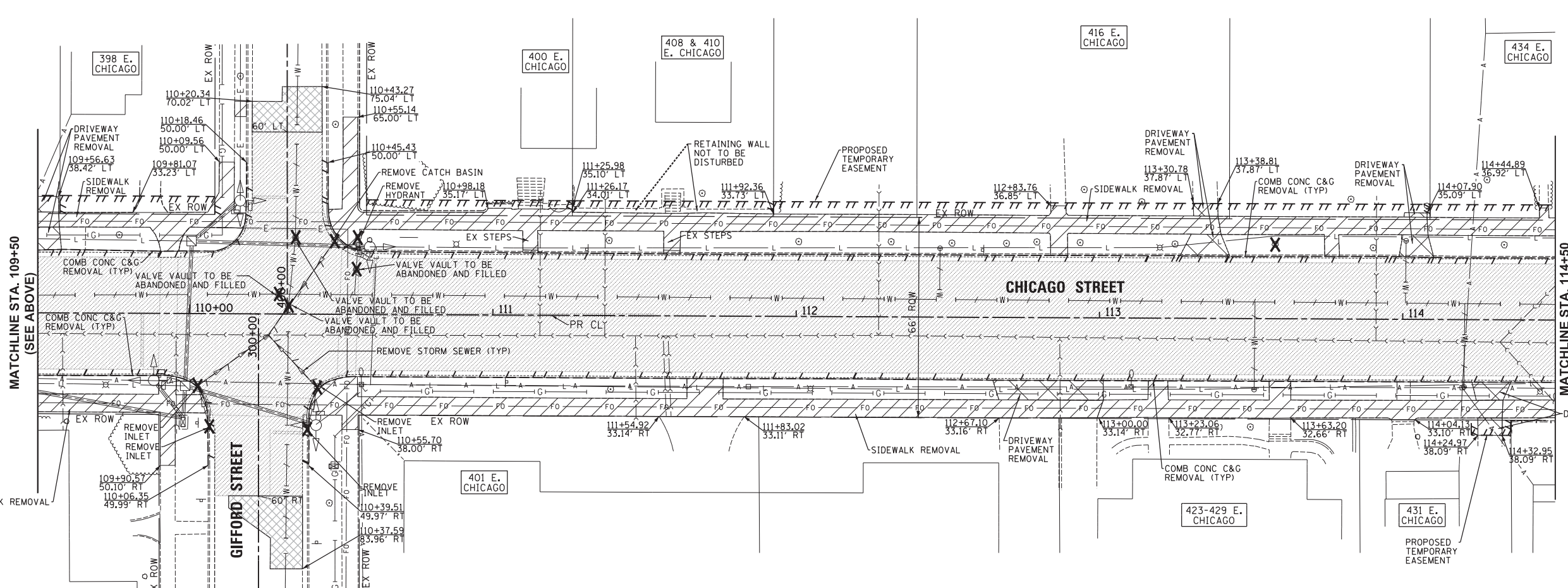
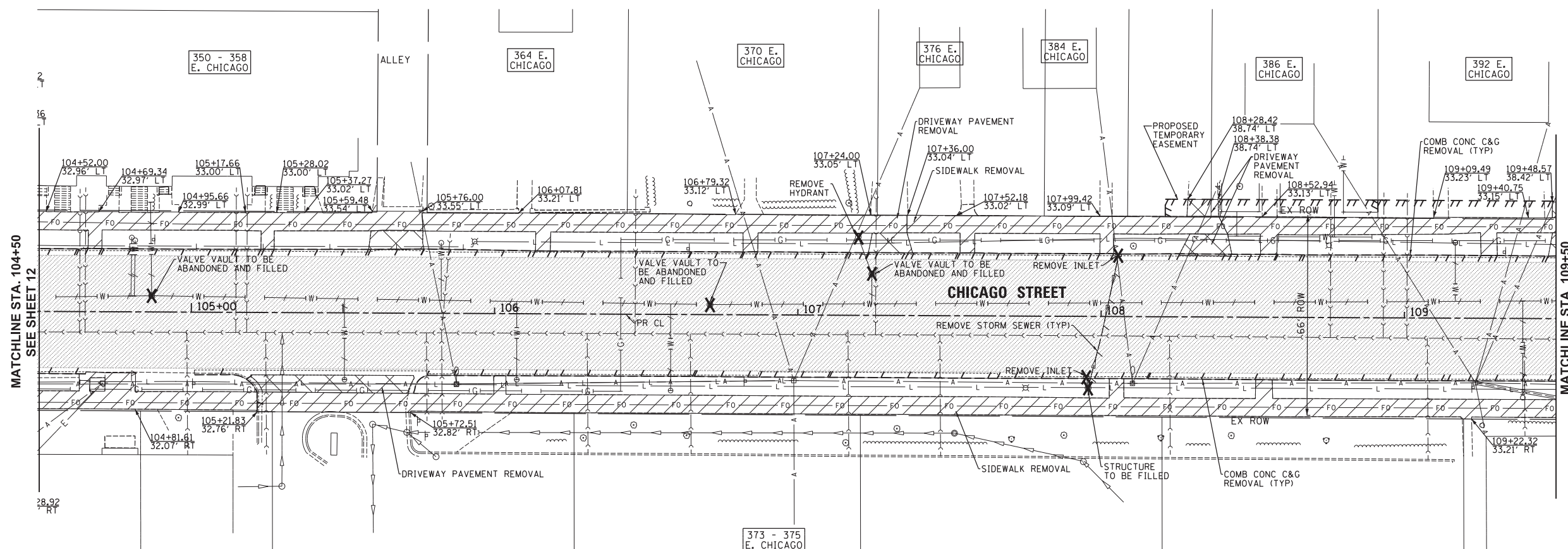
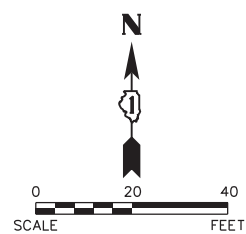
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**REMOVAL PLAN**

SCALE: 1"=20'      SHEET NO. 1 OF 5 SHEETS      STA. 95+00 TO STA. 104+50

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	12
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\S05KProj\EG104\Drawn\Final Eng\EG104-PLAN\_2018.dgn



**LEGEND**

- PAVEMENT REMOVAL
- HOT MIX ASPHALT REMOVAL OVER PATCHES

Plot#ed: 10/8/2018 2:48:06 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

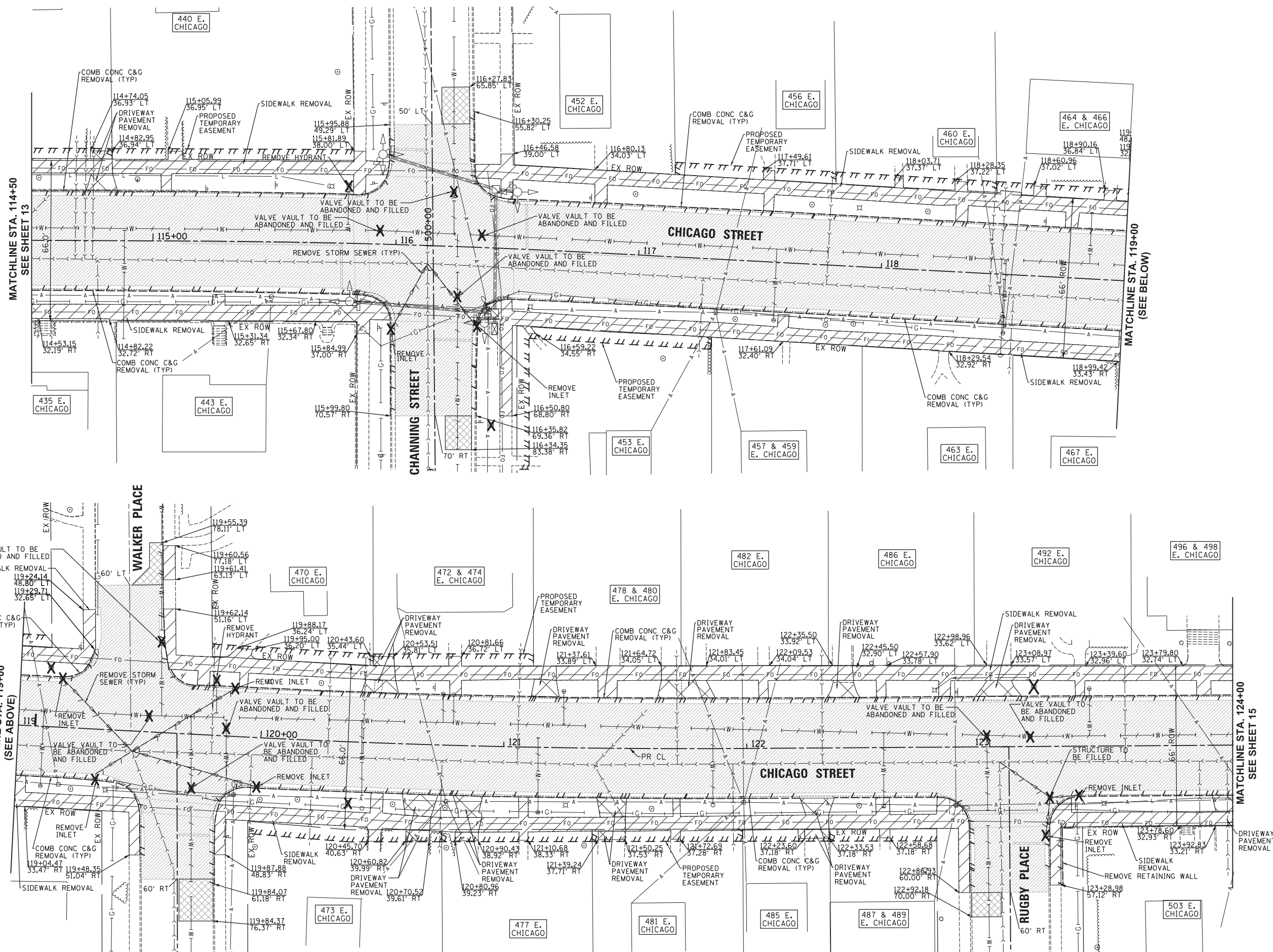
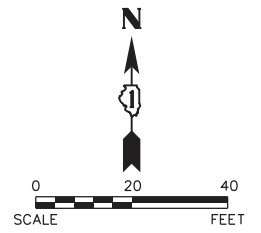
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**REMOVAL PLAN**

SCALE: 1"=20'      SHEET NO. 2 OF 5 SHEETS      STA. 104+50 TO STA. 114+50

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	13
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	PAVEMENT REMOVAL
	HOT MIX ASPHALT REMOVAL OVER PATCHES

Plot#ed: 10/9/2018 7:22:32 AM By: J.schmidt  
 Copyright 2017 ENGINEERING ENTERPRISES, INC.

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

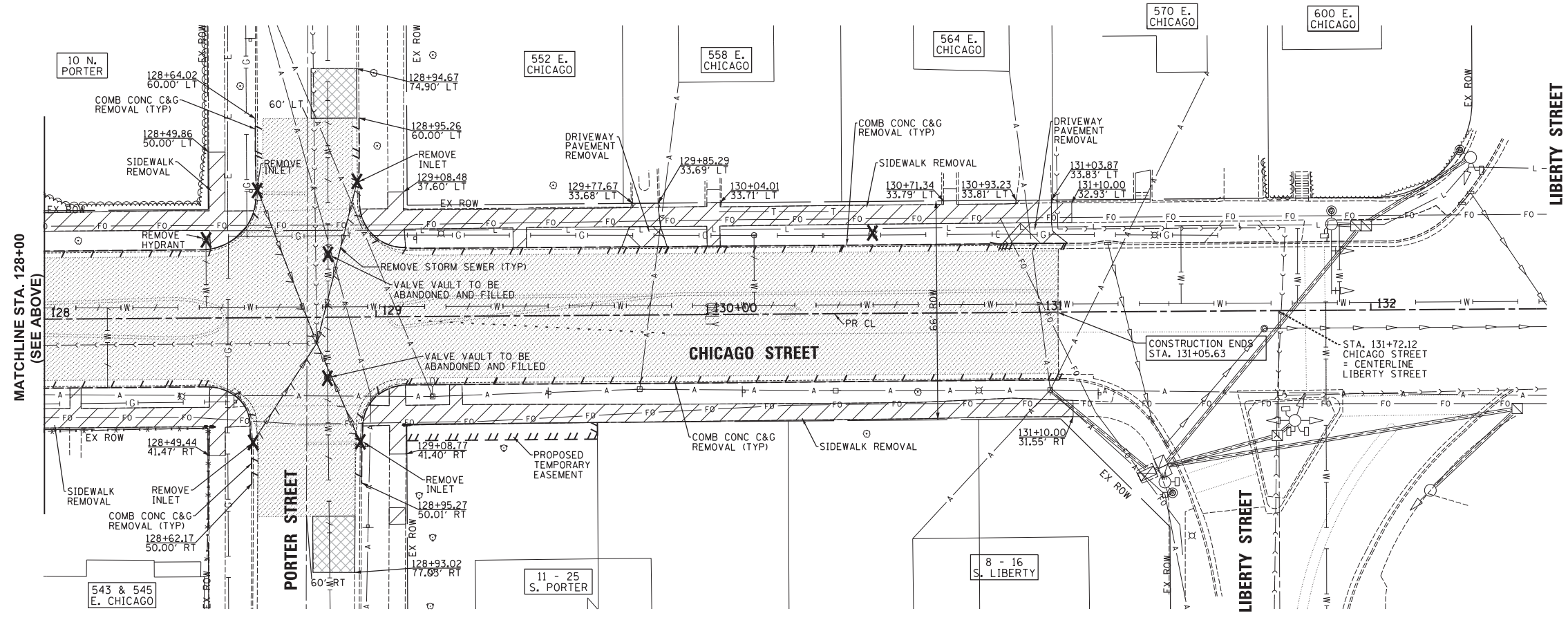
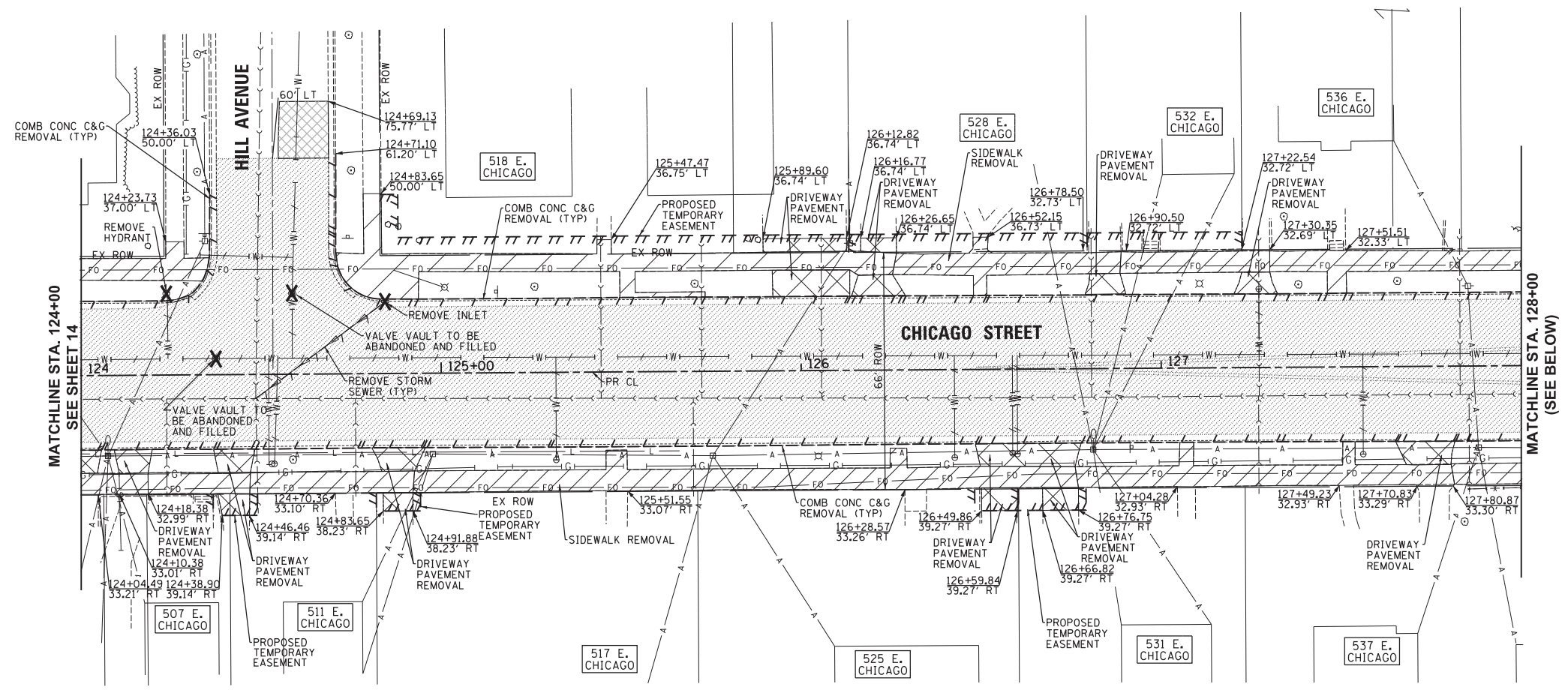
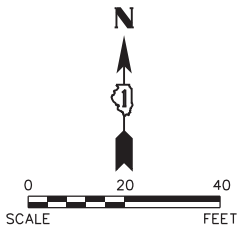
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**REMOVAL PLAN**  
 SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 114+50 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	14
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Plot#ed: 10/9/2018 7:22:32 AM By: J.schmidt  
 Copyright 2017 ENGINEERING ENTERPRISES, INC.



**LEGEND**

	PAVEMENT REMOVAL
	HOT MIX ASPHALT REMOVAL OVER PATCHES

Plot#ed: 10/8/2018 2:46:11 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

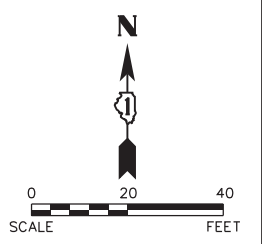
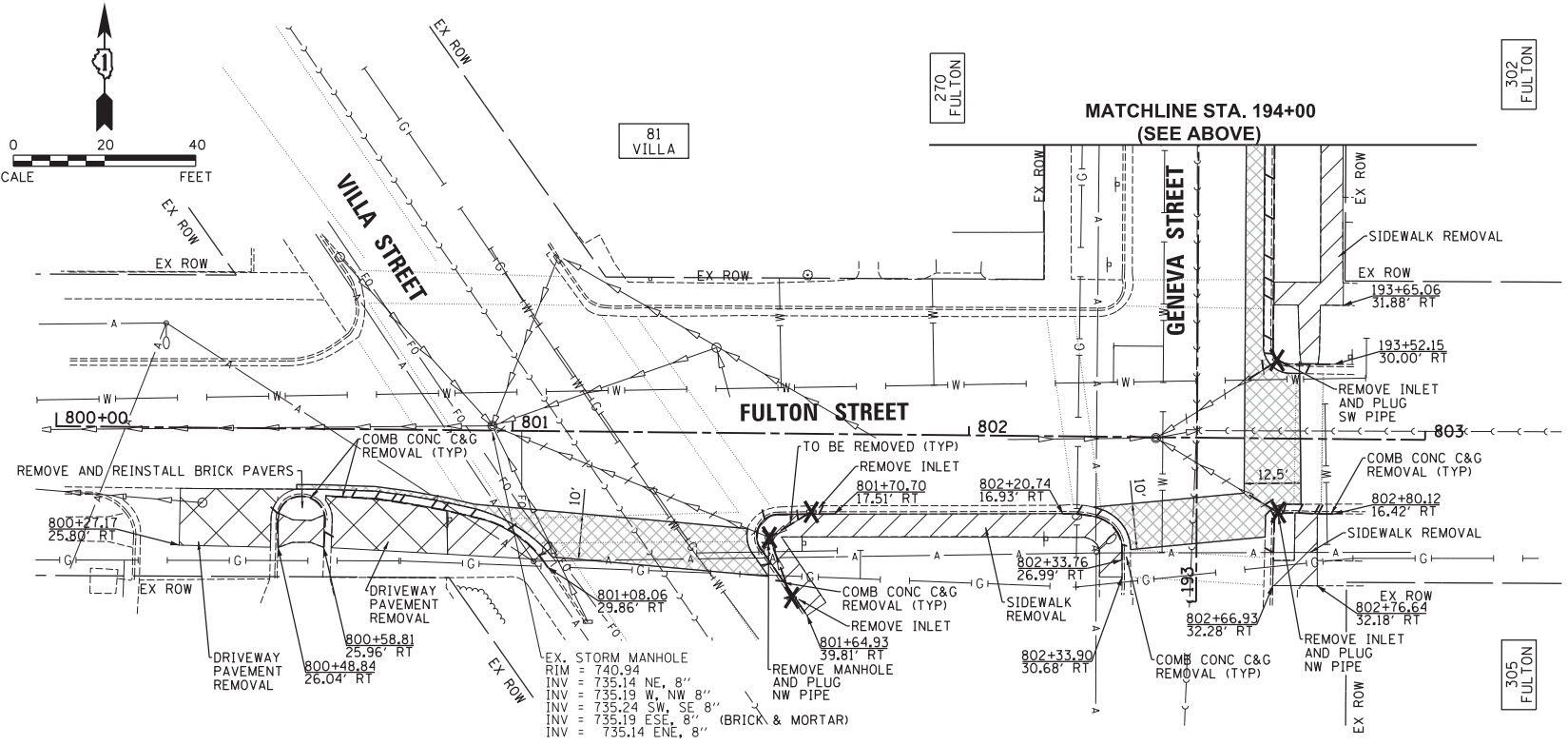
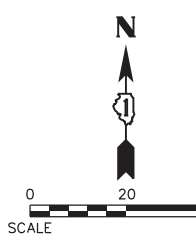
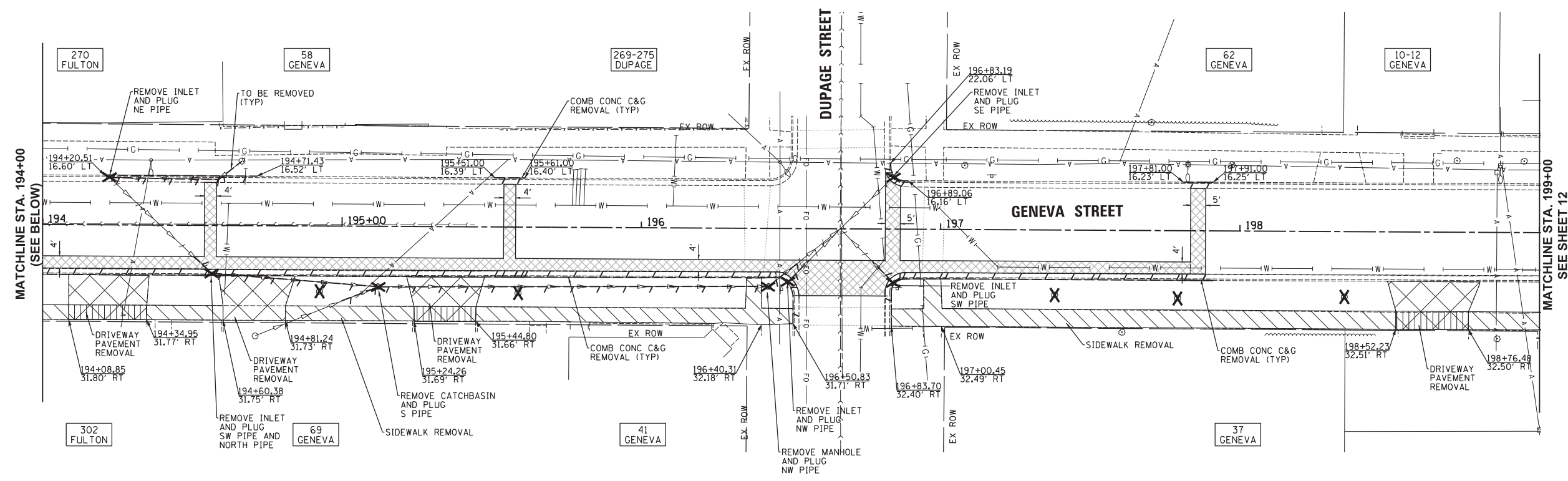
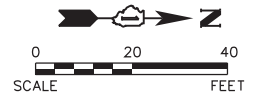
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**REMOVAL PLAN**

SCALE: 1"=20'      SHEET NO. 4 OF 5 SHEETS      STA. 124+00 TO STA. 131+06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	15
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\S058KProj\EGT04\Final Eng\EGT04-PLAN\_2018.dgn



**LEGEND**

	PAVEMENT REMOVAL
	HOT MIX ASPHALT REMOVAL OVER PATCHES

Plot#ed: 10/8/2018 2:46:13 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**REMOVAL PLAN - FULTON STREET & GENEVA STREET**

SCALE: 1"=20'      SHEET NO. 5 OF 5 SHEETS      STA. 124+00 TO STA. 131+06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	16
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

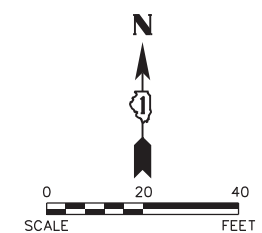
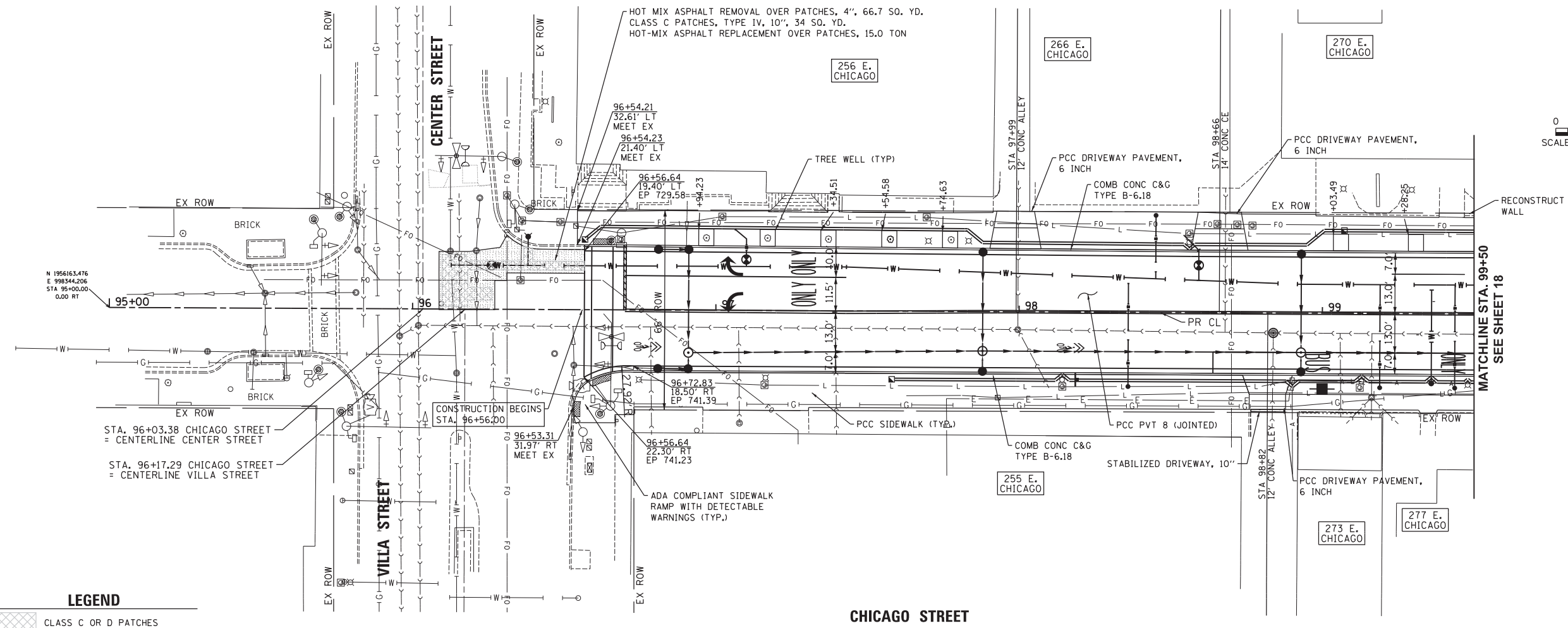
Path: H:\SBSKProj\EGT04\Vign\Drawn Final Eng\EGT04-PLAN 2018.dgn



PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	BM. NOTES	
	STRUCTURE NOTATIONS	
	CHFD	

Plot #ed: 10/31/2018 4:15:01 PM By: Jschmidt



**ROADWAY CROSS SLOPE TABLE**

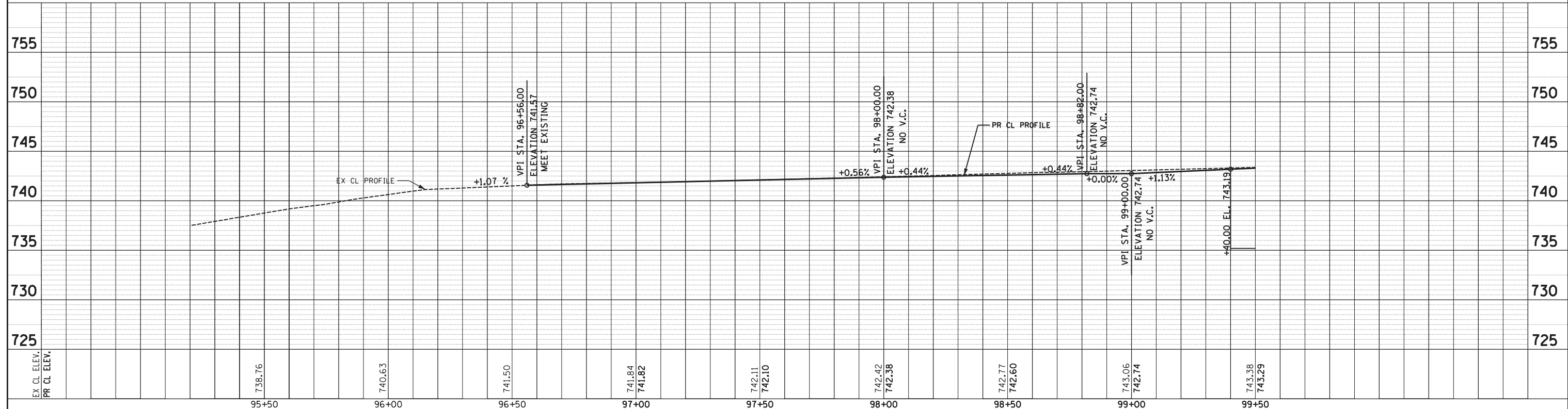
STA	LT	RT
96+56	-1.50%	-1.50%
100+23	-1.50%	-1.50%
100+50	1.50%	-1.50%
102+50	1.50%	-1.50%
102+79	-1.50%	-1.50%
114+10.5	-1.50%	-1.50%
114+24	-1.50%	0%
114+34	-1.50%	0%
114+47.5	-1.50%	-1.50%
124+16	-1.50%	-1.50%
124+43	-1.50%	1.50%
127+80	-1.50%	1.50%
128+07	-1.50%	-1.50%
131+05.63	-1.50%	-1.50%

**LEGEND**

	CLASS C OR D PATCHES
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

**SCALE:**

HORIZONTAL	1" = 20'
VERTICAL	1" = 5'



**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PLAN AND PROFILE**

SCALE: 1"=20' SHEET NO. 1 OF 11 SHEETS STA. 95+00 TO STA. 99+50

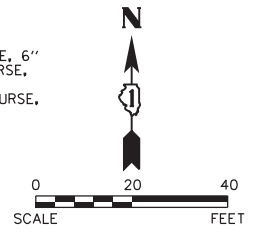
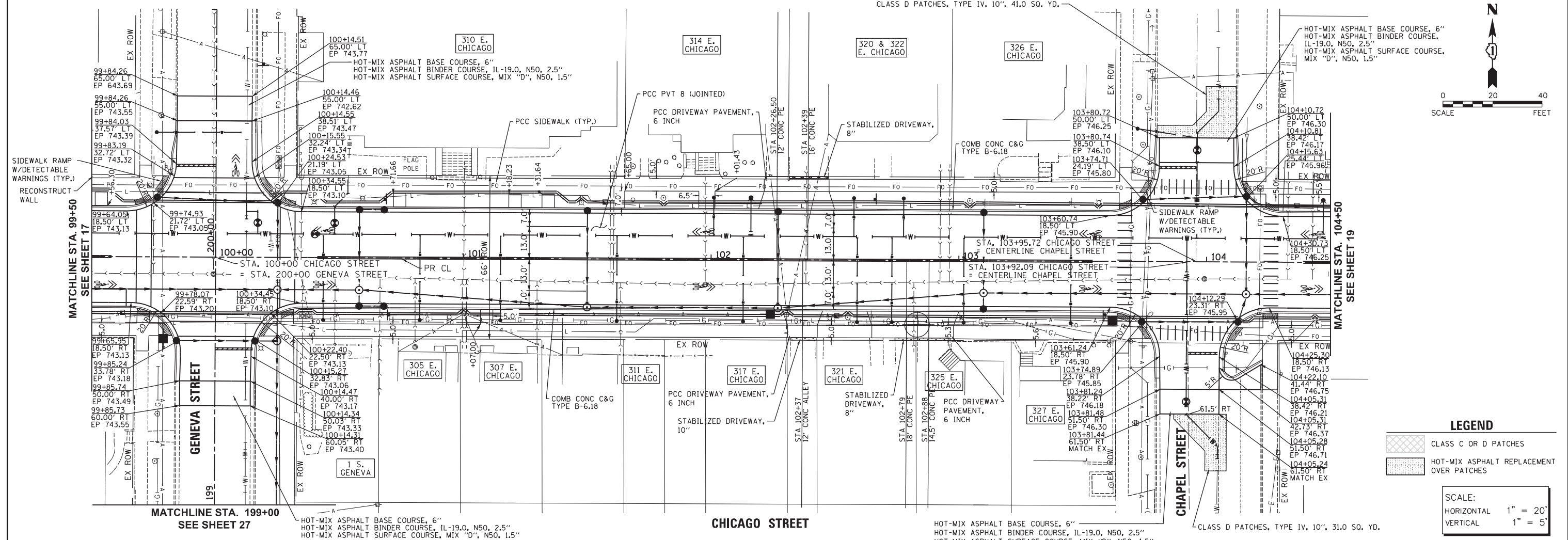
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	17
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\S05KProj\61E15\104\_Vign\Drawn Final Eng\61E15-17.dgn

PLAN	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

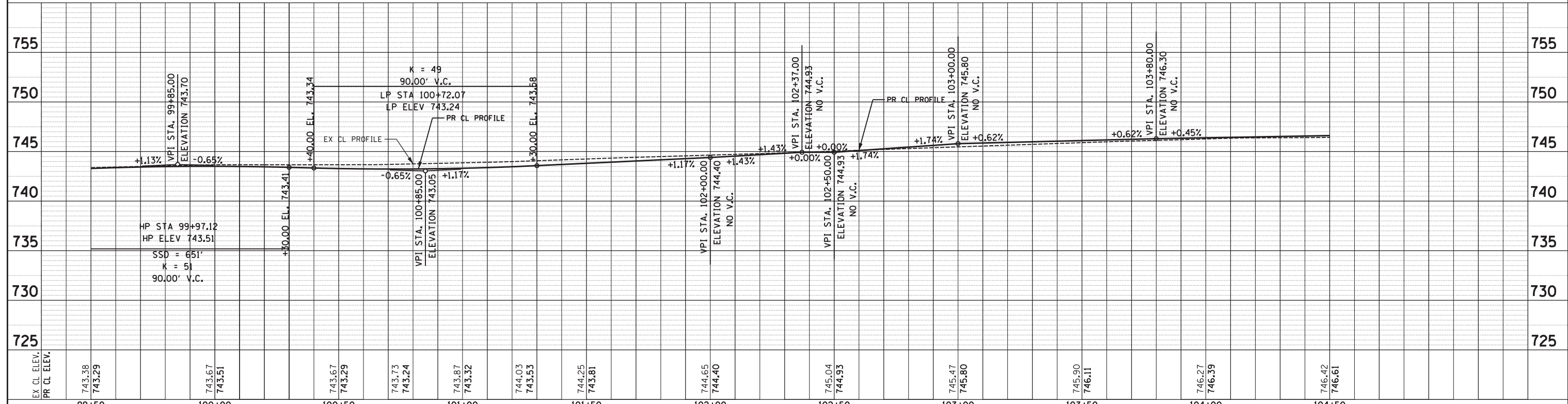
PROF ILE	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

Plot#ed: 10/31/2018 4:15:02 PM By: jschmidt



LEGEND	
	CLASS C OR D PATCHES
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

SCALE:	
HORIZONTAL	1" = 20'
VERTICAL	1" = 5'

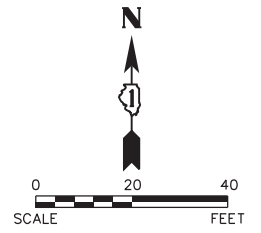
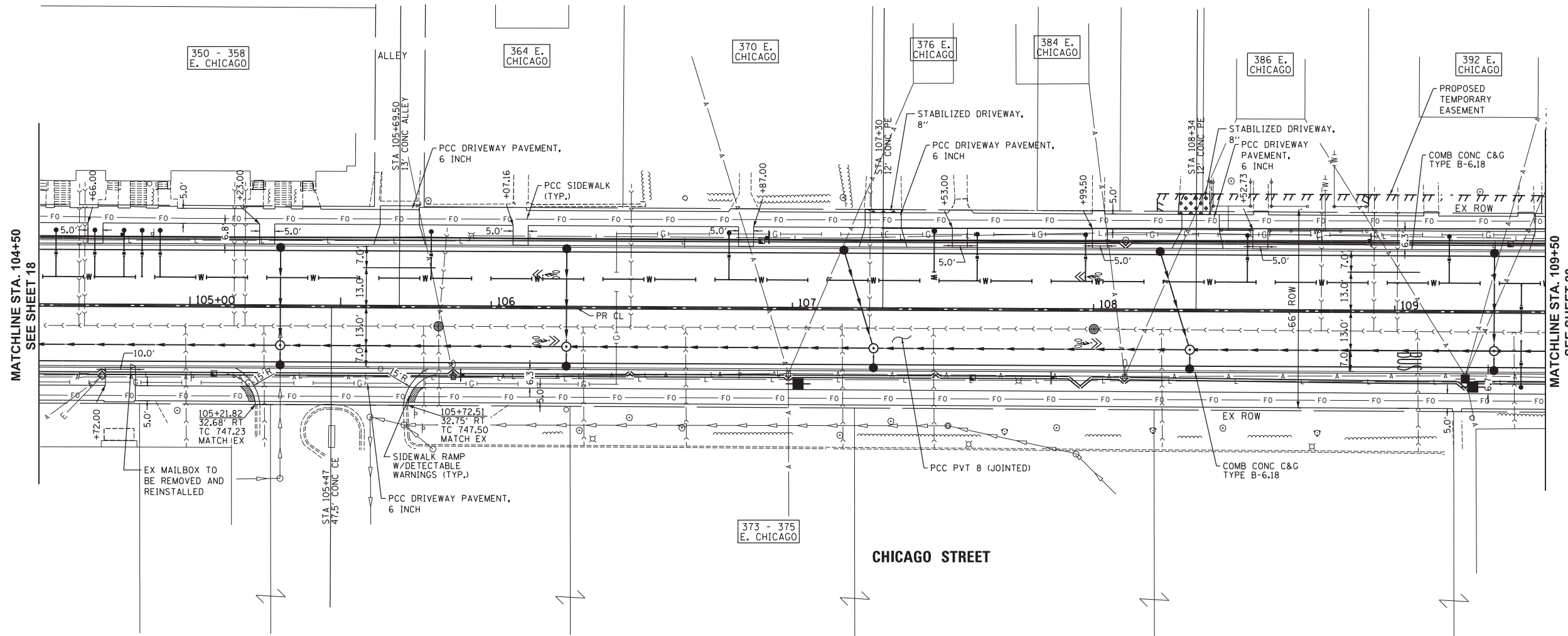


Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO STREET PLAN AND PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			1321	12-00183-00-PV	KANE	128	18
		CHECKED -	REVISED -			CONTRACT NO. 61E15		ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -			SCALE: 1"=20'	SHEET NO. 2 OF 11 SHEETS	STA. 99+50	TO STA. 104+50	

PLAN	SURVEYED	DATE
NO.	PLOTTED	BY
	CHECKED	
	RT. OF WAY	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOTATIONS	

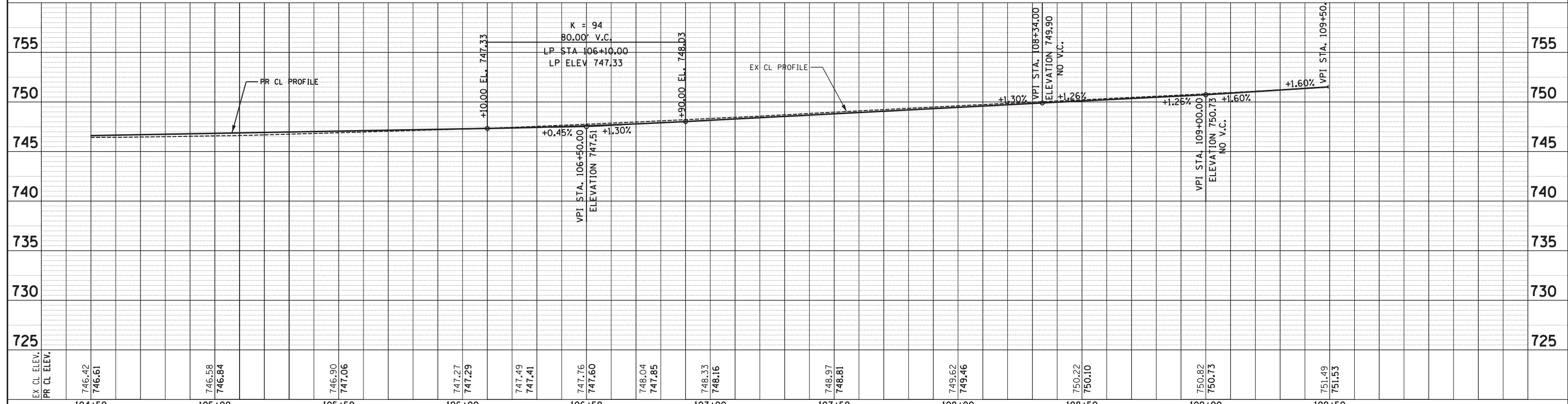
Plot Date: 10/31/2018 4:55:04 PM By: Jschmidt



**LEGEND**

- CLASS C OR D PATCHES
- HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

SCALE:  
 HORIZONTAL 1" = 20'  
 VERTICAL 1" = 5'



EX CL ELEV.	PR CL ELEV.	104+50	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50															
		746.42	746.61	746.58	746.84	746.90	747.06	747.27	747.29	747.49	747.41	747.76	747.60	748.04	747.85	748.33	748.16	748.97	748.81	749.62	749.46	750.22	750.10	750.82	750.75	751.49	751.53

DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET PLAN AND PROFILE</b>	
DRAWN -	REVISED -		F.A.U. R.T.E. 1321	SECTION 12-00183-00-PV
CHECKED -	REVISED -		COUNTY KANE	
DATE -	REVISED -		TOTAL SHEETS 128	
			CONTRACT NO. 61E15	
			ILLINOIS FED. AID PROJECT	

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

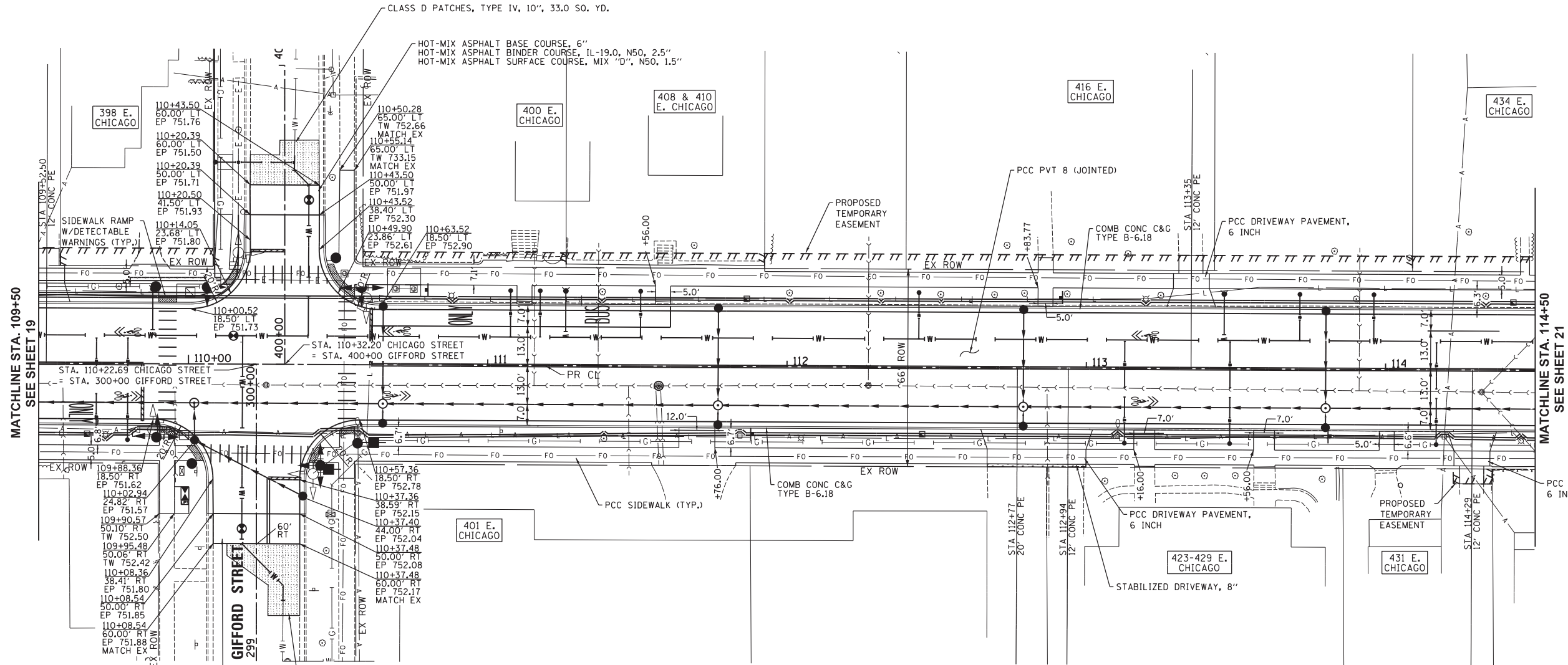
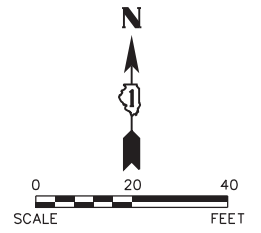
**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

Path: H:\S05K\Proj\EG104\Drawn\Final Eng\EG104-P.dgn

PLAN	SURVEYED	DATE
NO.	PLOTTED	BY
NO.	CHECKED	DATE
NO.	RT. OF WAY CHECKED	
NO.	PAID FILE NAME	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	BY
NO.	CHECKED	DATE
NO.	STRUCTURE NOTATIONS CHKD	

Plot: 10/31/2018 4:15:05 PM By: Jschmidt



HOT-MIX ASPHALT BASE COURSE, 6"  
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"  
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"

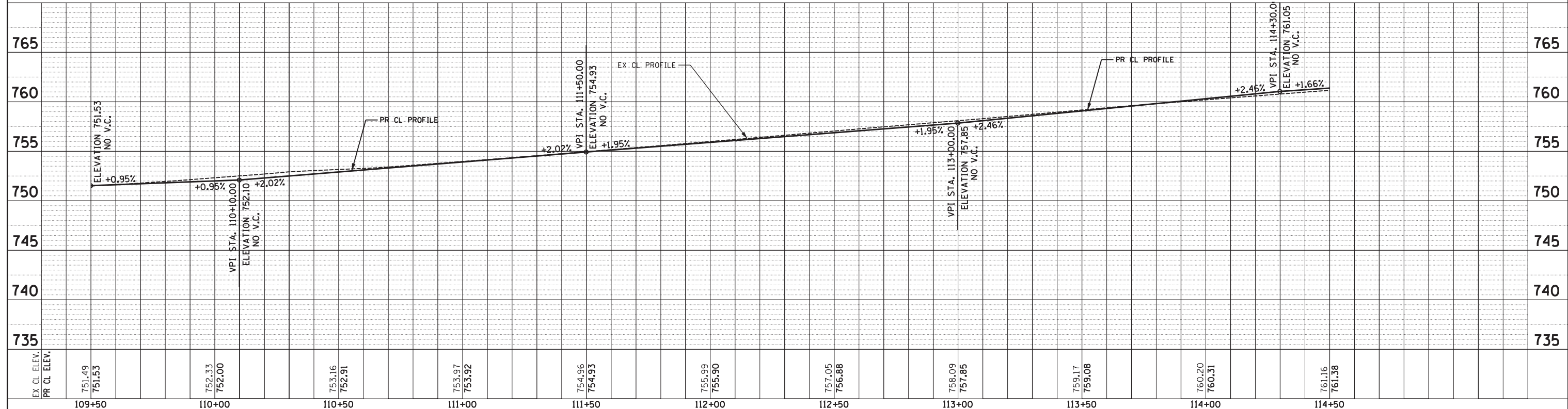
CLASS D PATCHES, TYPE IV, 10", 39.0 SQ. YD.

**CHICAGO STREET**

**LEGEND**

- CLASS C OR D PATCHES
- HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PLAN AND PROFILE**

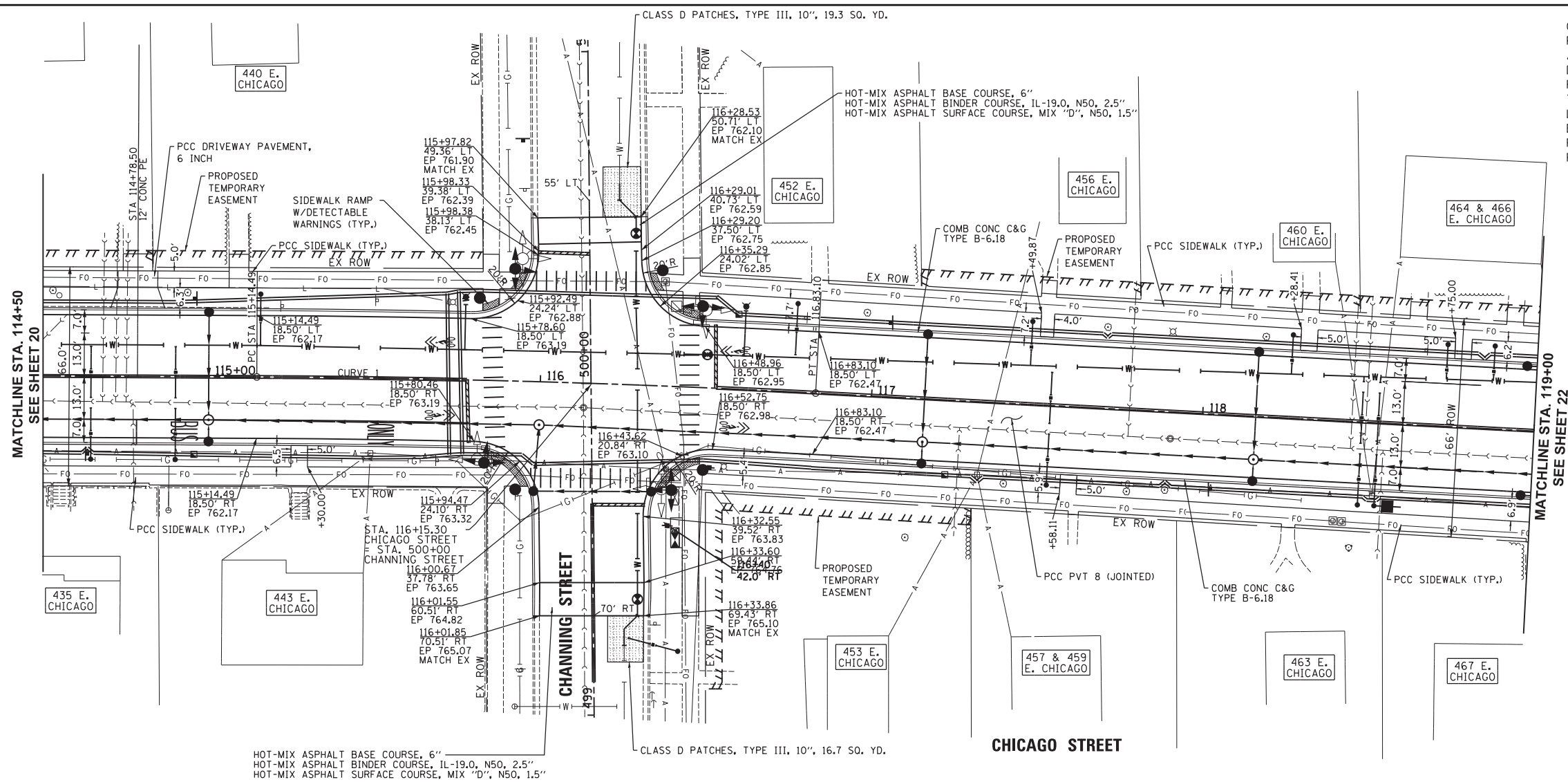
SCALE: K'=20' SHEET NO. 4 OF 11 SHEETS STA. 109+50 TO STA. 114+50

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	20
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

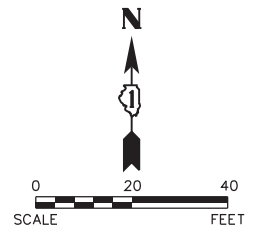
PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	RT. OF WAY	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	STRUCTURE NOTATIONS	

Plot#ed: 10/31/2018 4:15:06 PM By: Jschmidt



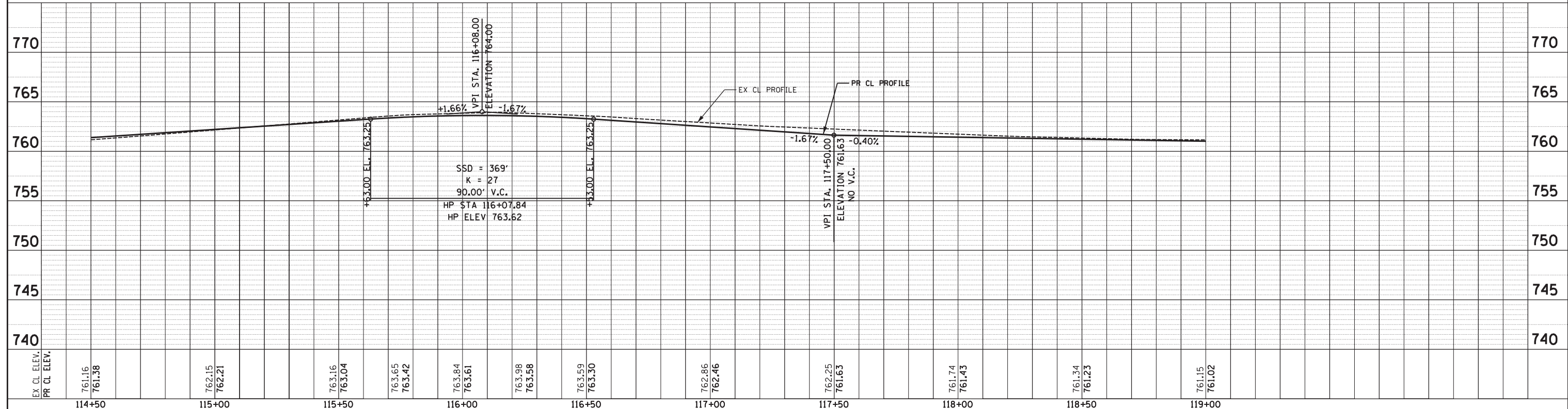
CENTERLINE CURVE 1  
 PI STA. = 115+98.81  
 $\Delta = 2^\circ 45' 36''$  (RT)  
 $D = 1^\circ 38' 13''$   
 $R = 3,500.00'$   
 $T = 84.32'$   
 $L = 168.61'$   
 $E = 1.02'$   
 P.C. STA = 115+14.49  
 P.T. STA = 116+83.10



**LEGEND**

	CLASS C OR D PATCHES
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

SCALE:  
 HORIZONTAL 1" = 20'  
 VERTICAL 1" = 5'

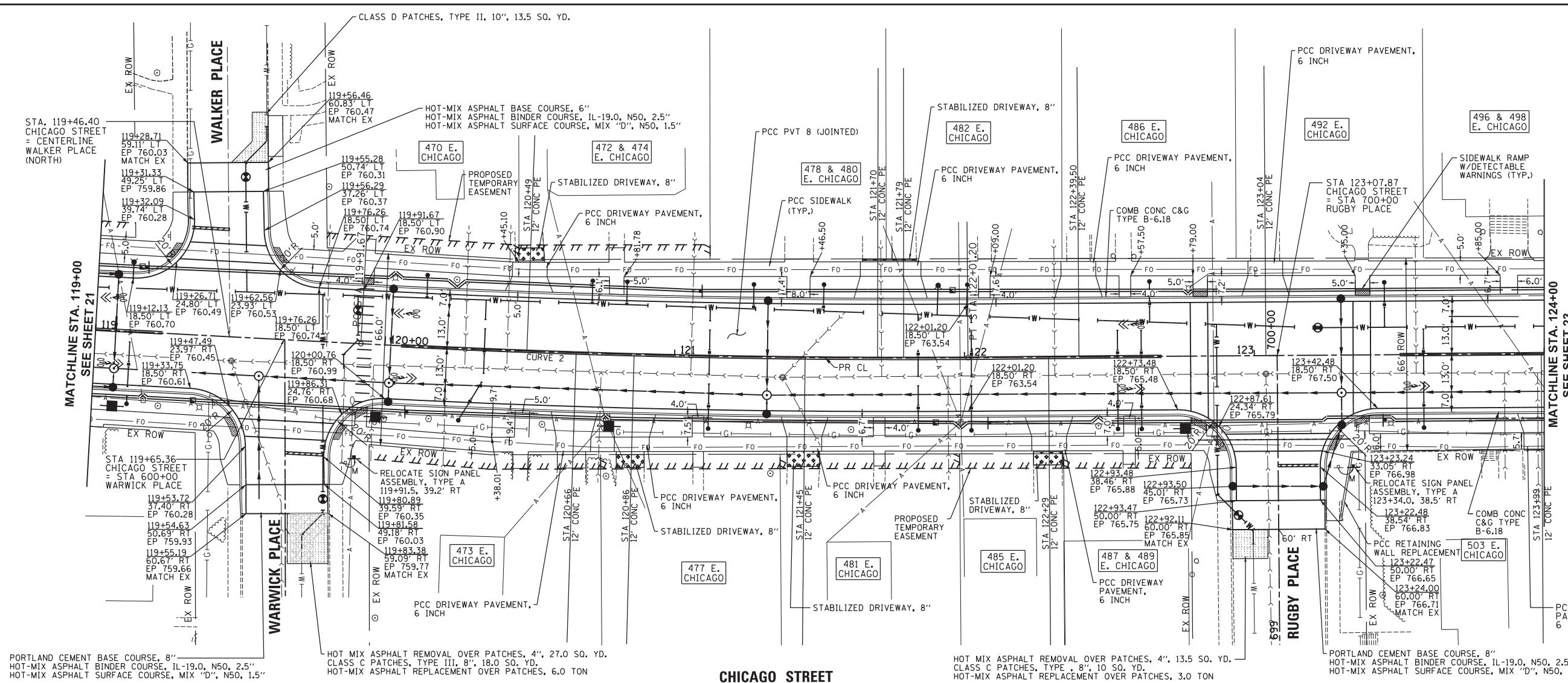


Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO STREET PLAN AND PROFILE	F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			1321	12-00183-00-PV	KANE	128	21
		CHECKED -	REVISED -	SCALE: 1"=20'		SHEET NO. 5 OF 11 SHEETS		STA. 114+50	TO STA. 119+00	
		DATE -	REVISED -			CONTRACT NO. 61E15		ILLINOIS FED. AID PROJECT		

Path: H:\S05K000\VECT004 Vign\Draw Final Eng VECT004-P.dgn

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	BY	
	DATE	
	NO.	
	DATE	

PROF ILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	BY	
	DATE	
	NO.	
	DATE	



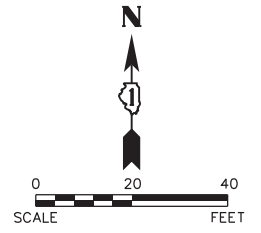
CENTERLINE CURVE 2  
 PI STA. = 120+96.46  
 $\Delta = 3^\circ 25' 48''$  (LT)  
 $D = 1^\circ 38' 13''$   
 $R = 3,500.00'$   
 $T = 104.80'$   
 $L = 209.53'$   
 $E = 1.57'$   
 P.C. STA = 119+91.67  
 P.T. STA = 122+01.20

**LEGEND**

CLASS C OR D PATCHES

HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

**SCALE:**  
 HORIZONTAL 1" = 20'  
 VERTICAL 1" = 5'



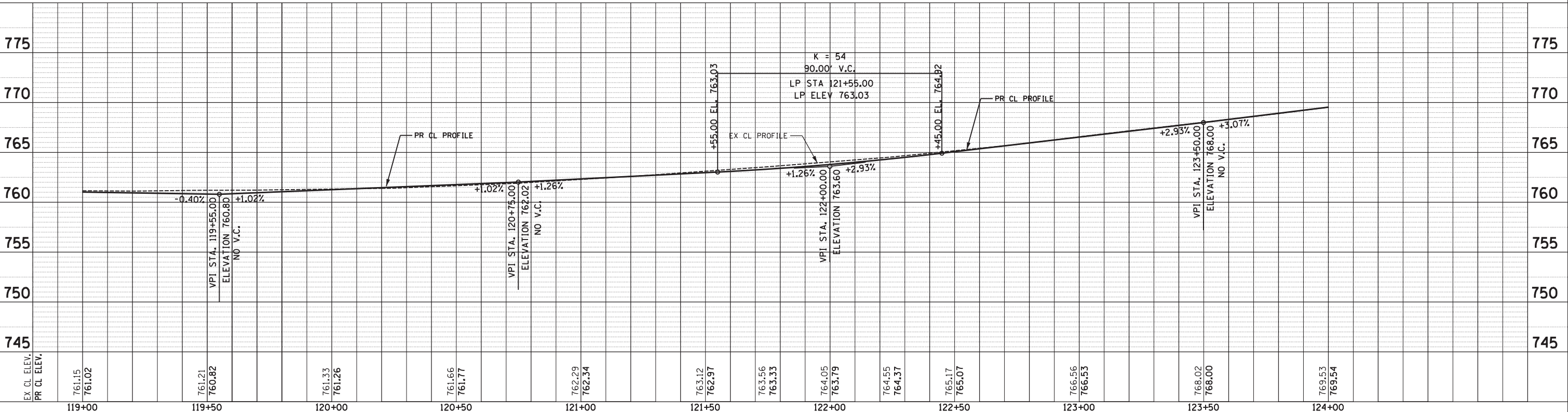
PORTLAND CEMENT BASE COURSE, 8"  
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"  
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"

HOT MIX ASPHALT REMOVAL OVER PATCHES, 4", 27.0 SO. YD.  
 CLASS C PATCHES, TYPE III, 8", 18.0 SO. YD.  
 HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, 6.0 TON

CHICAGO STREET

HOT MIX ASPHALT REMOVAL OVER PATCHES, 4", 13.5 SO. YD.  
 CLASS C PATCHES, TYPE , 8", 10 SO. YD.  
 HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, 3.0 TON

PORTLAND CEMENT BASE COURSE, 8"  
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.5"  
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5"



Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO STREET PLAN AND PROFILE	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			1321	12-00183-00-PV	KANE	128	22
		CHECKED -	REVISED -	SCALE: 1"=20'		SHEET NO. 6 OF 11 SHEETS		STA. 119+00 TO STA. 124+00		CONTRACT NO. 61E15
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

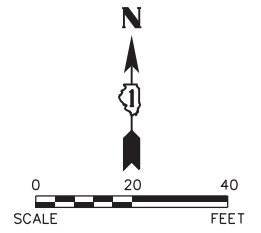
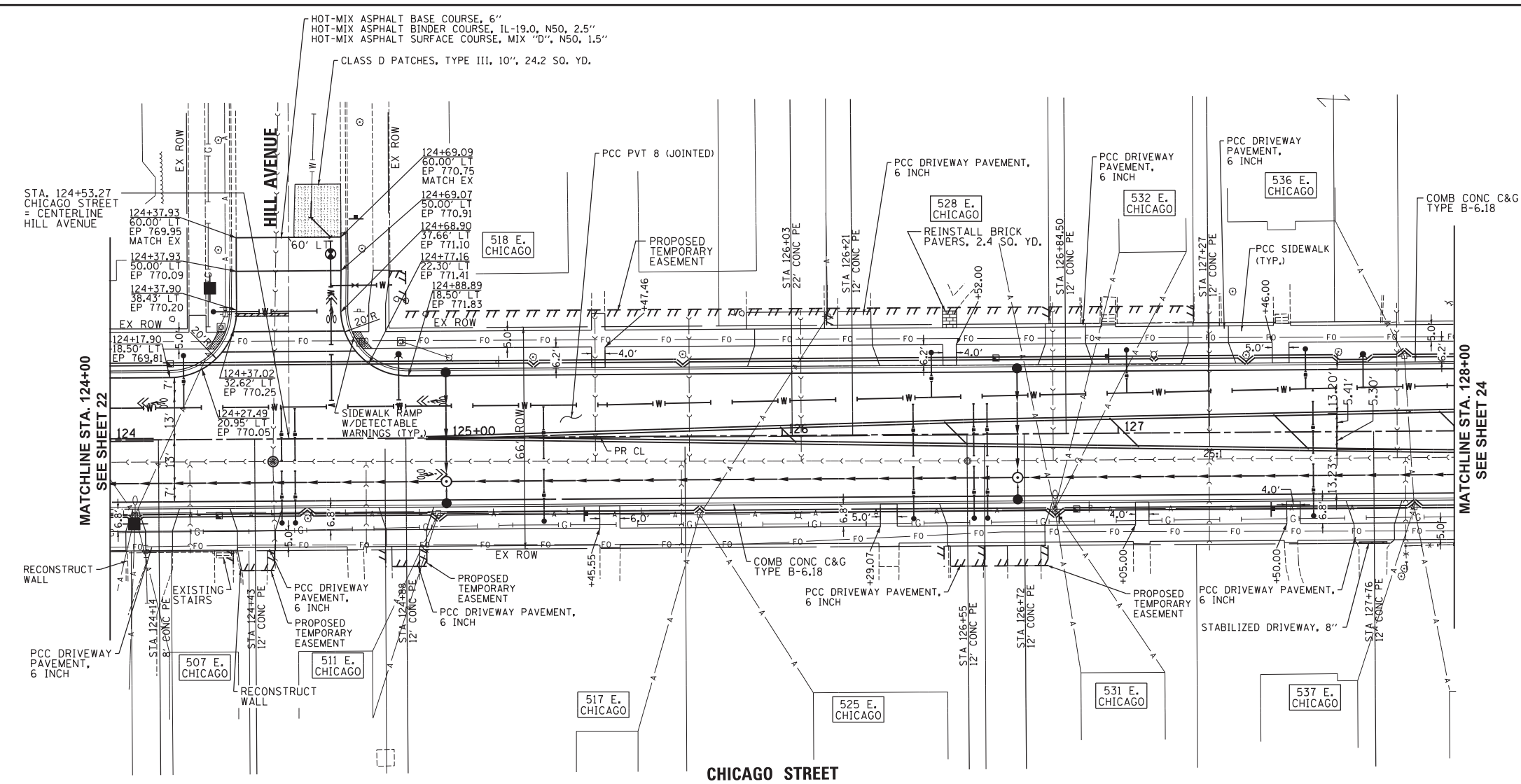
Plot: 10/31/2018 4:50:08 PM By: Jschmidt

Path: H:\S05K\Proj\EG104\Drawn\Final Eng\EG104-P.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	PAID FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

Plot #ed: 10/31/2018 4:51:04 PM By: Jschmidt

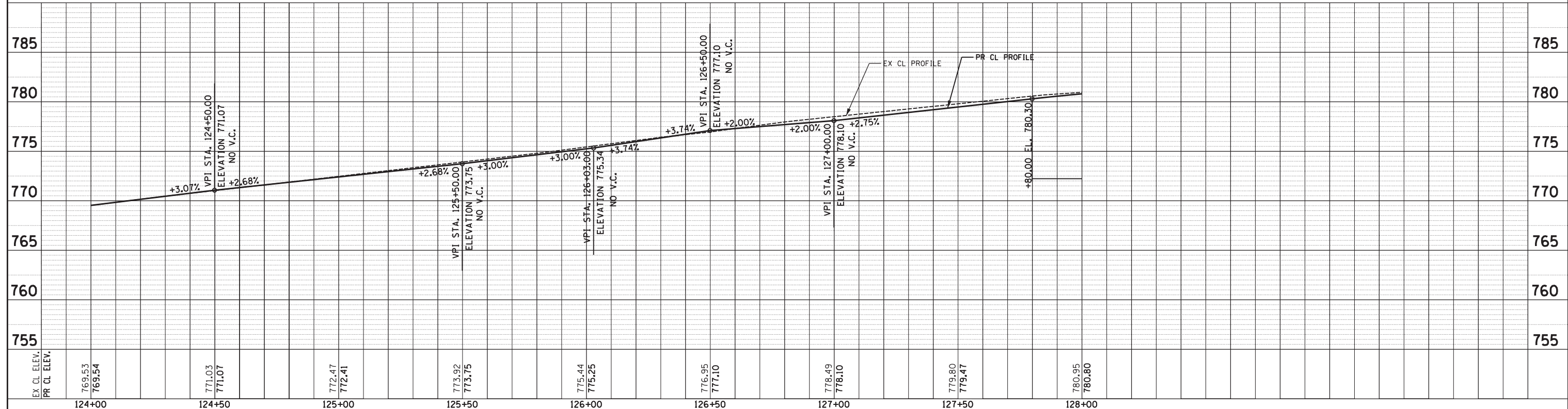


**LEGEND**

CLASS C OR D PATCHES

HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

**SCALE:**  
 HORIZONTAL 1" = 20'  
 VERTICAL 1" = 5'



**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PLAN AND PROFILE**

SCALE: 1"=20' SHEET NO. 7 OF 11 SHEETS STA. 124+00 TO STA. 128+00

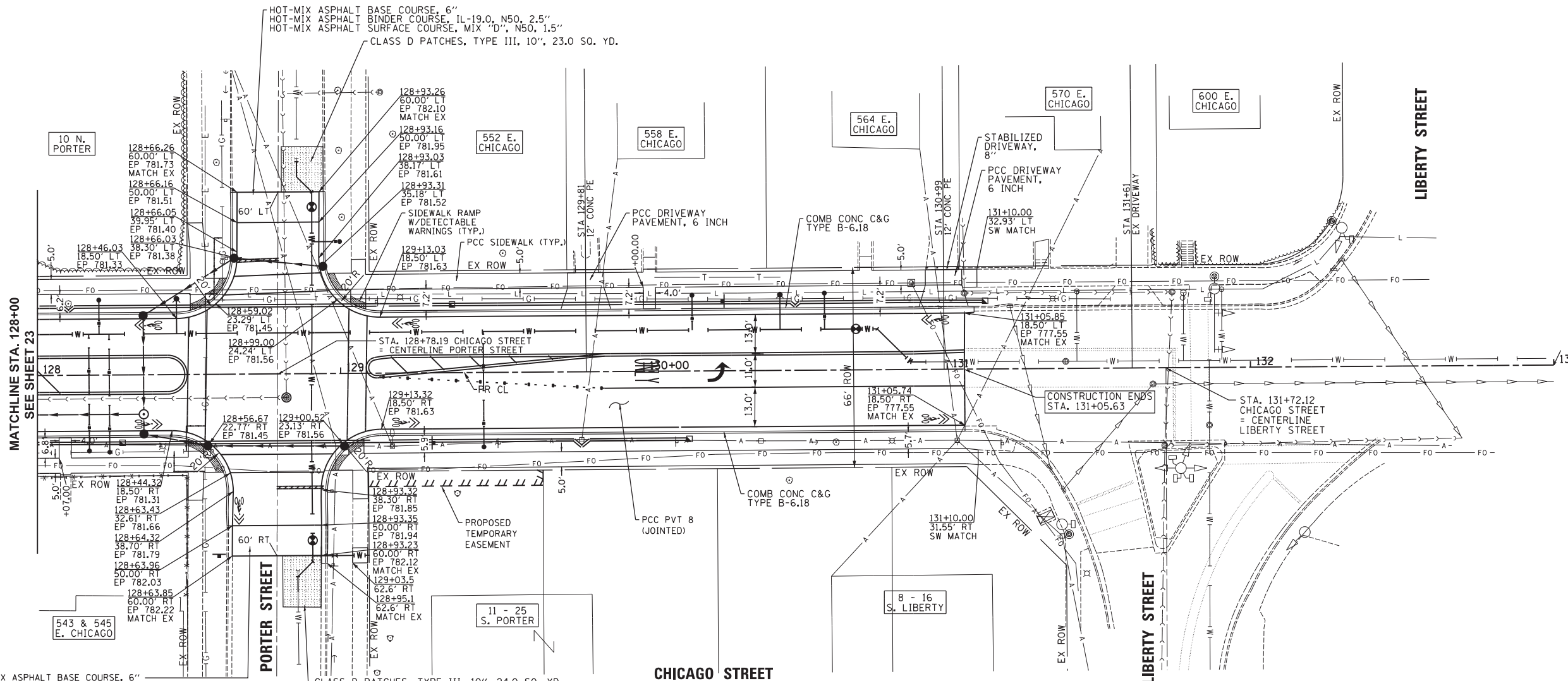
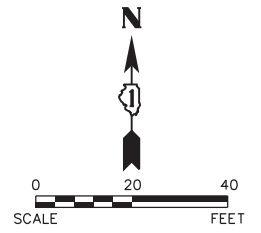
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	23
				CONTRACT NO. 61E15
ILLINOIS FED. AID PROJECT				

Path: H:\50585\Proj\EG104\Drawn\Eng\EG104-P.dgn

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	RT. OF WAY CHECKED	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHKD	

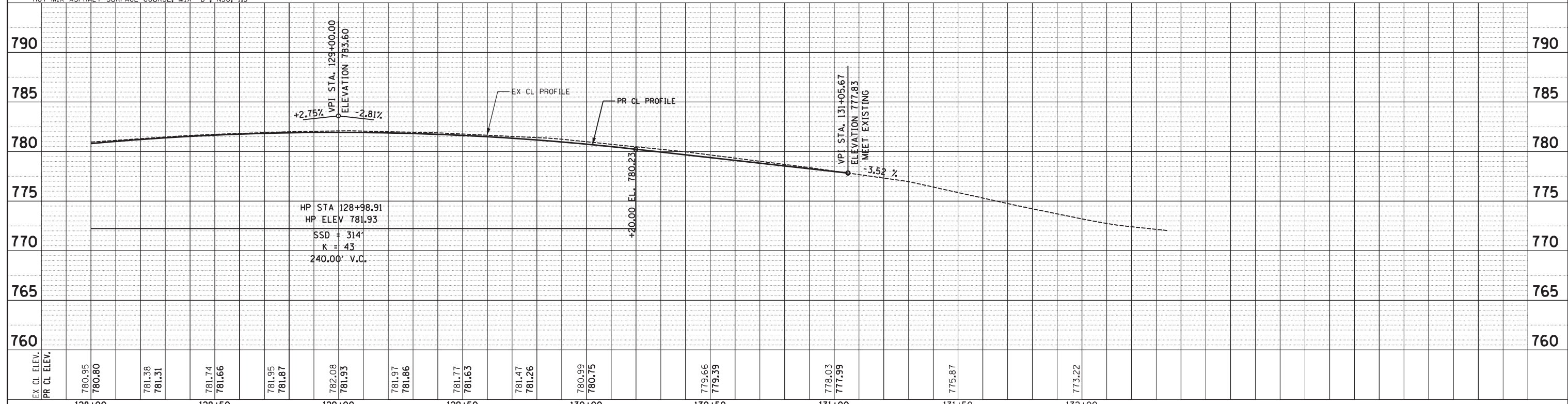
Plot: 10/31/2018 4:51:11 PM By: Jschmidt



**LEGEND**

- CLASS C OR D PATCHES
- HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

**SCALE:**  
 HORIZONTAL 1" = 20'  
 VERTICAL 1" = 5'



Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>PLAN AND PROFILE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			1321	12-00183-00-PV	KANE	128	24
		CHECKED -	REVISED -	SCALE: 1"=20'		SHEET NO. 8 OF 11 SHEETS		STA. 128+00 TO STA. 133+00		CONTRACT NO. 61E15
		DATE -	REVISED -	ILLINOIS FED. AID PROJECT						

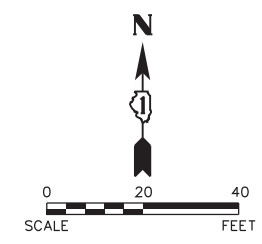
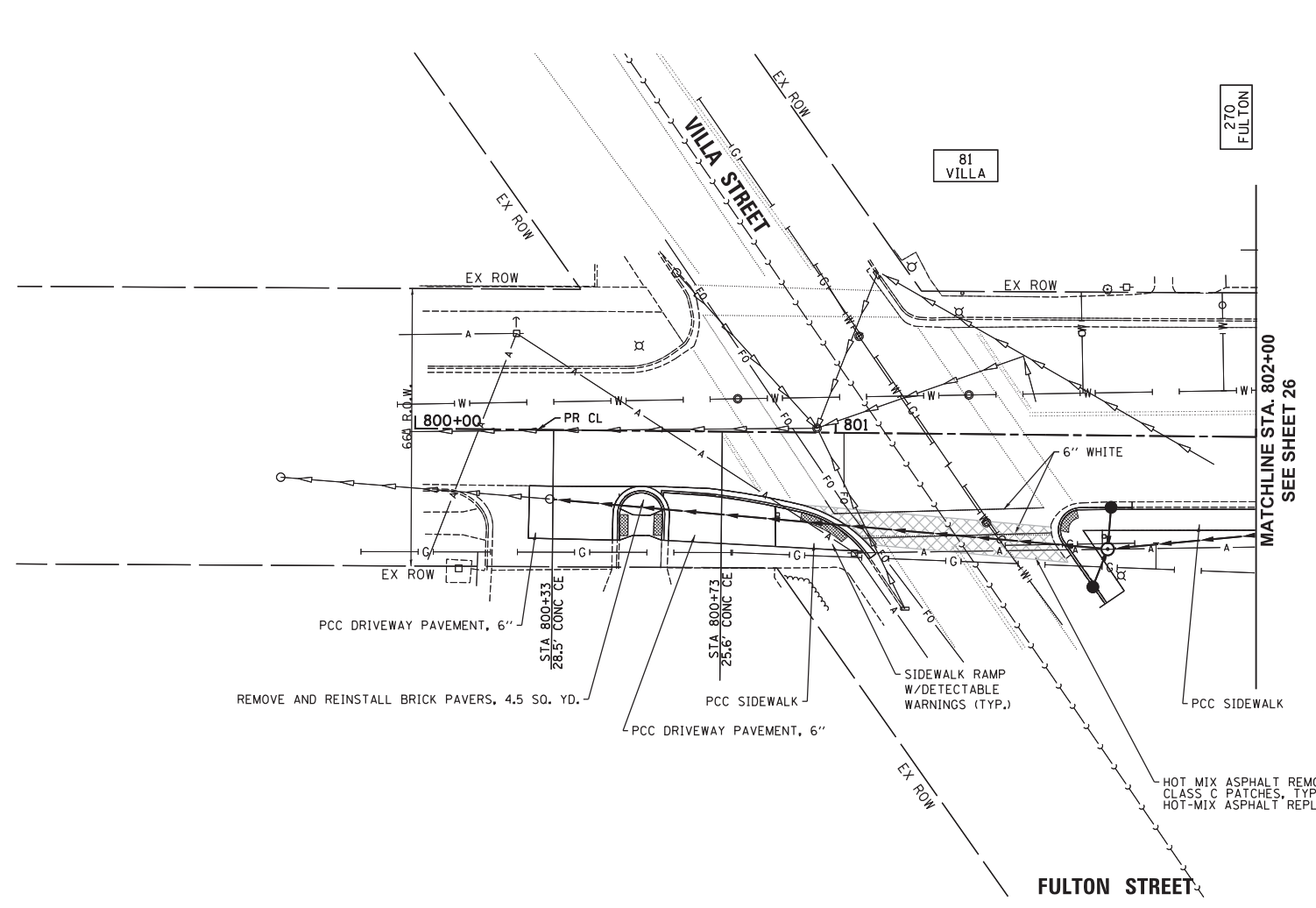
Path: H:\S05K909\EG104\Drawn\Final Eng\EG104-P.dgn



PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	PAID FILE NAME		

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHK'D		

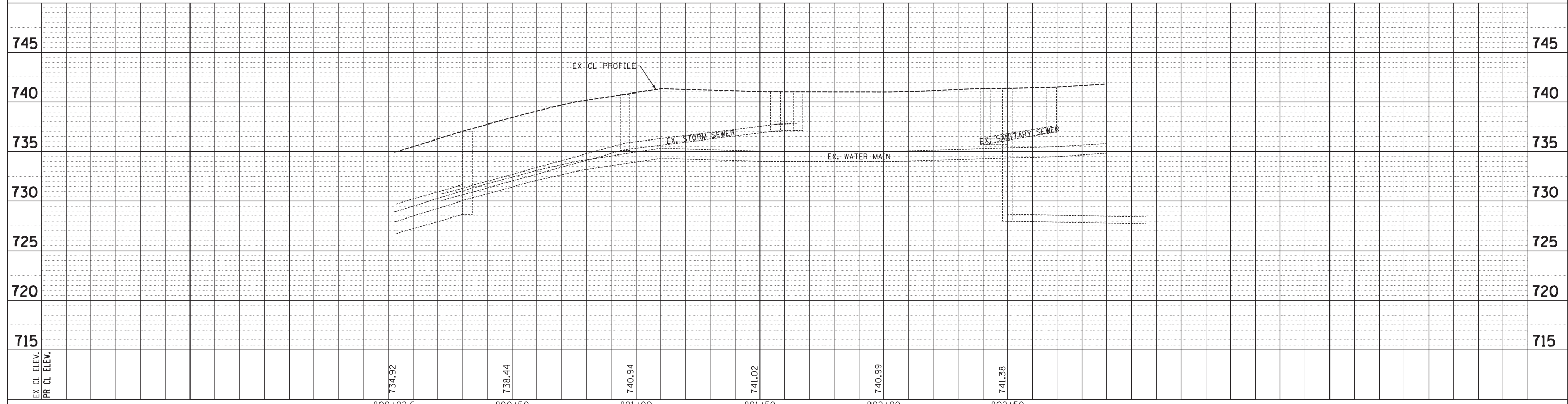
Plot#ed: 10/9/2017 7:44:58 AM By: Jschmidt



**LEGEND**

- CLASS C OR D PATCHES
- HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

**SCALE:**  
 HORIZONTAL 1" = 20'  
 VERTICAL 1" = 5'



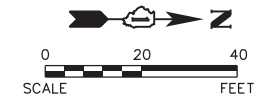
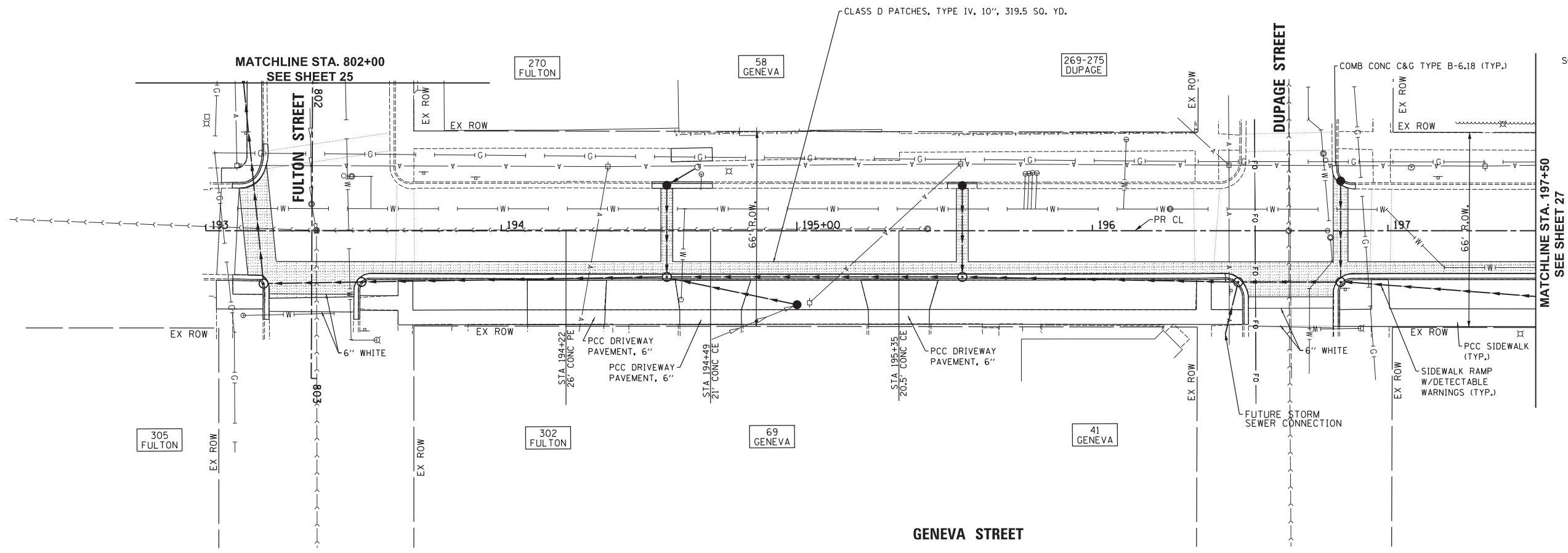
<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>PLAN AND PROFILE - FULTON STREET</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1321	12-00183-00-PV	KANE	128	25		
CHECKED -	REVISED -	CONTRACT NO. 61E15					ILLINOIS FED. AID PROJECT				
DATE -	REVISED -	SCALE: 1"=20'			SHEET NO. 9 OF 11 SHEETS	STA. 800+00 TO STA. 803+00					

Path: H:\SBSK\Proj\61E15\104\_Vign\Drawn Final Eng\61E15-9-P.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	NO. _____	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	NO. _____	
	STRUCTURE NOTATIONS CHKD	

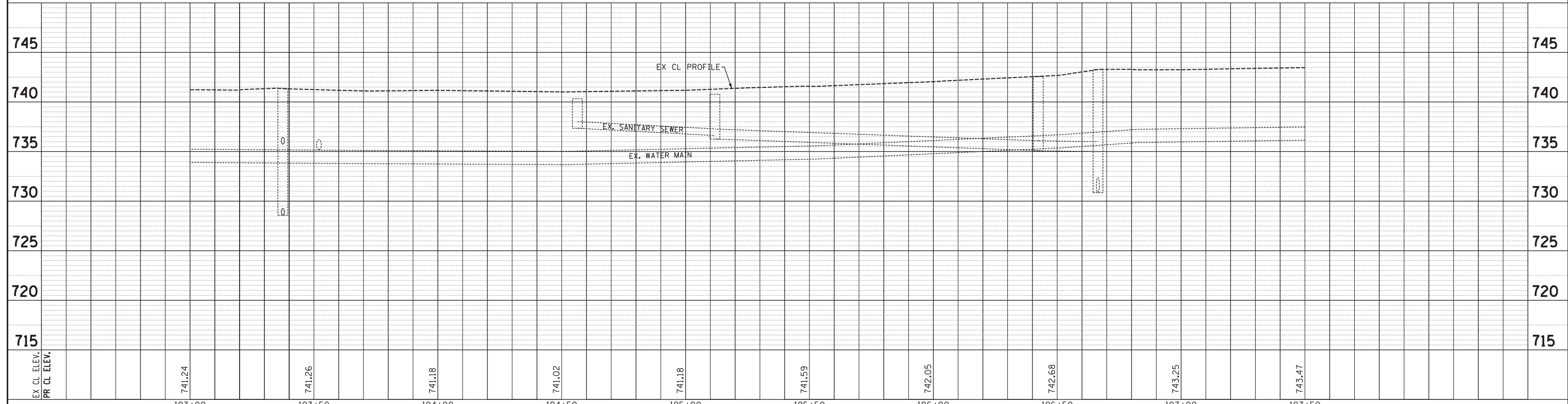
Plot#ed: 10/9/2017 7:44:58 AM By: Jschmidt



**LEGEND**

- CLASS C OR D PATCHES
- HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

**SCALE:**  
 HORIZONTAL 1" = 20'  
 VERTICAL 1" = 5'



<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>PLAN AND PROFILE - GENEVA STREET</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1321	12-00183-00-PV	KANE	128	26		
CHECKED -	REVISED -	CONTRACT NO. 61E15					ILLINOIS FED. AID PROJECT				
DATE -	REVISED -	SCALE: 1"=20'			SHEET NO. 10 OF 11 SHEETS	STA. 193+00	TO STA. 197+50				

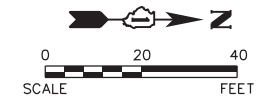
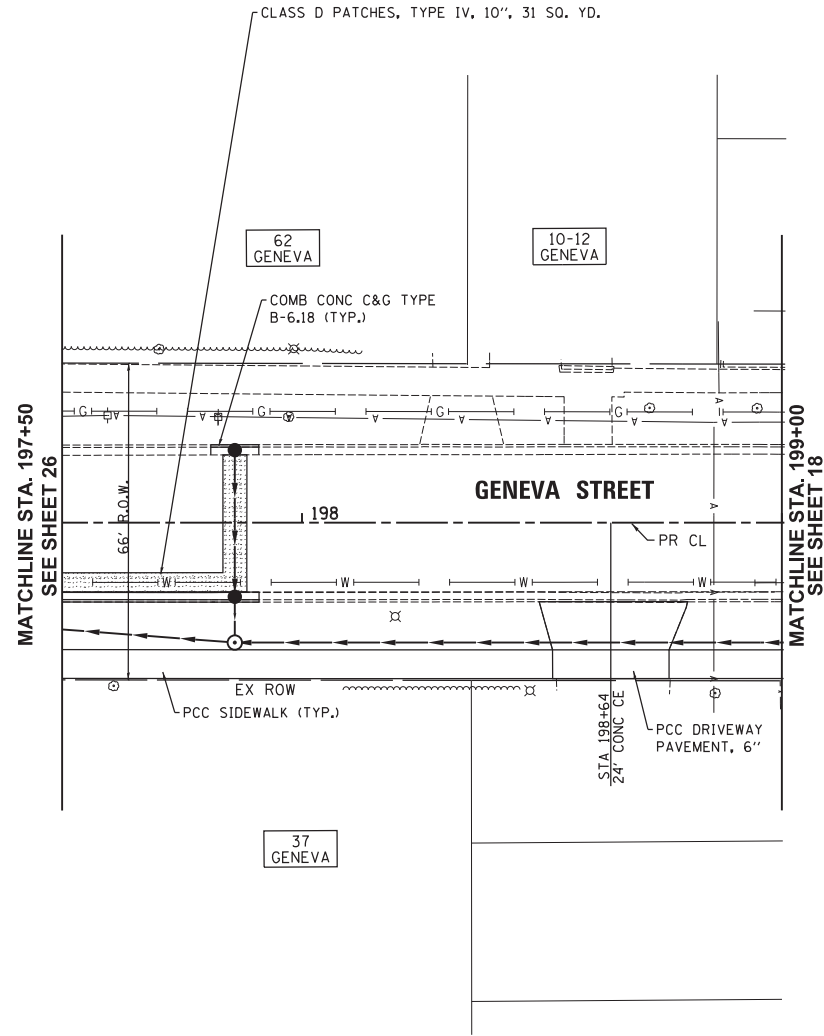
COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\S05KPR09\EGT04\Vign\Dgn Final Eng\EGT04-P.dgn

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS		
	NO.		

Plot#ed: 10/9/2017 7:44:59 AM By: Jschmidt

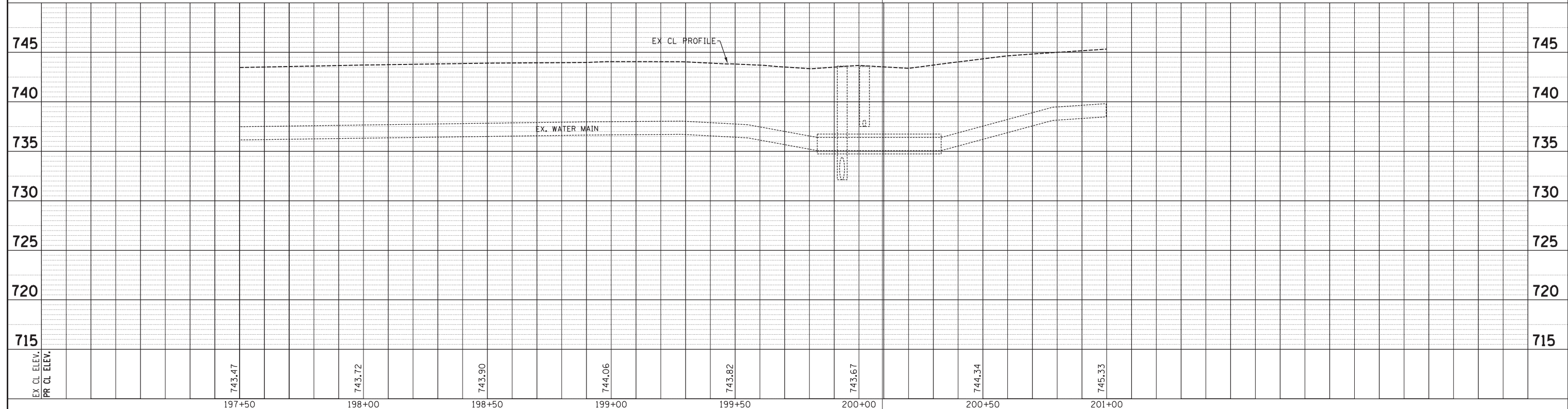


**LEGEND**

	CLASS C OR D PATCHES
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

**SCALE:**

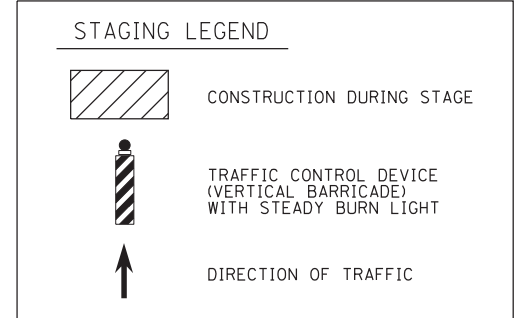
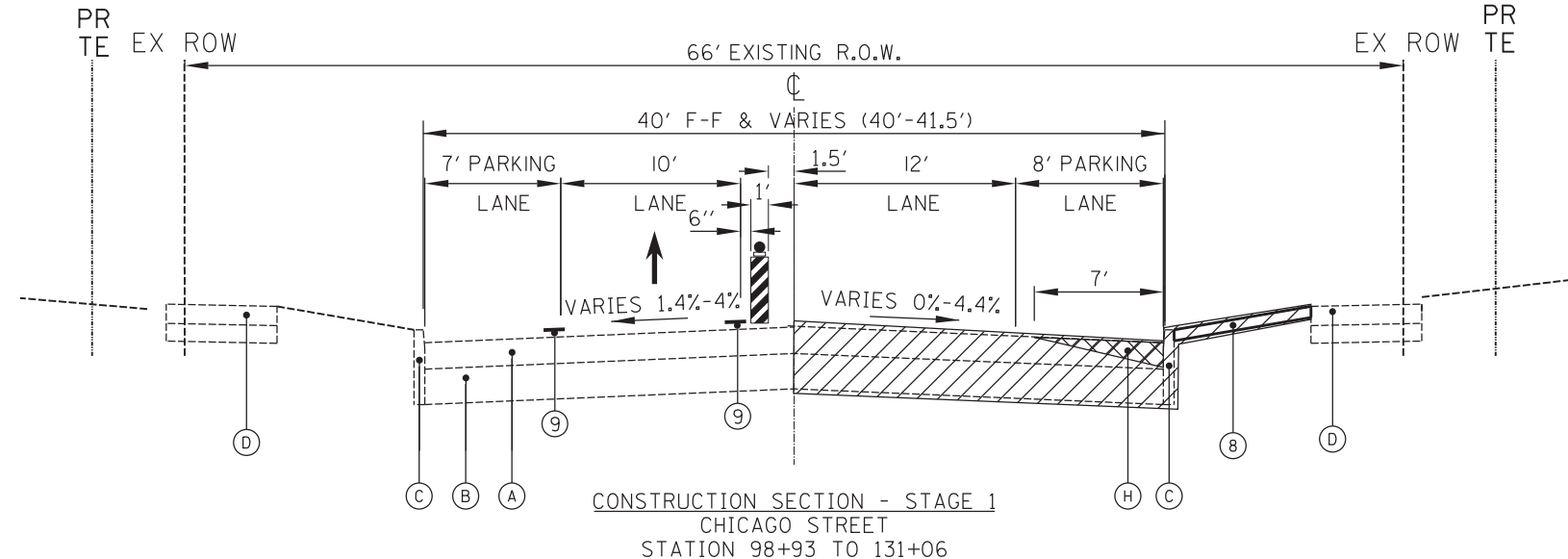
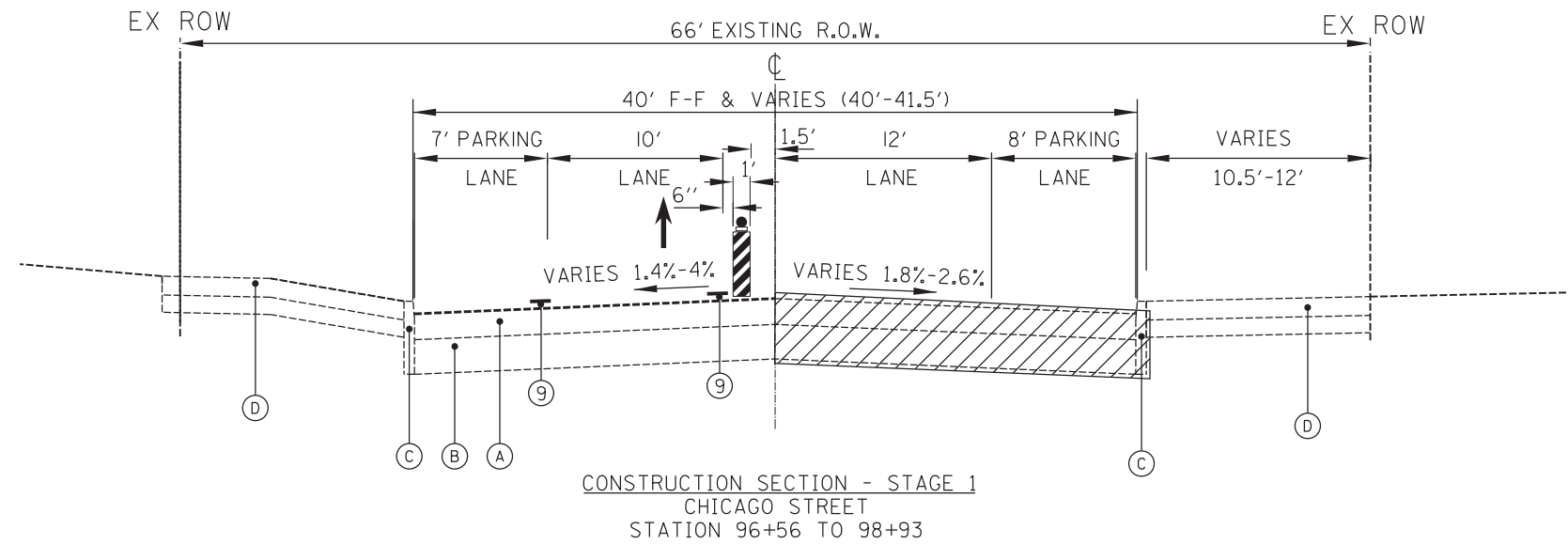
HORIZONTAL	1" = 20'
VERTICAL	1" = 5'



<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>PLAN AND PROFILE - GENEVA STREET</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1321	12-00183-00-PV	KANE	128	27		
CHECKED -	REVISED -	CONTRACT NO. 61E15					ILLINOIS FED. AID PROJECT				
DATE -	REVISED -	SCALE: 1"=20'	SHEET NO. 11 OF 11 SHEETS		STA. 197+50	TO STA. 201+00					

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\SBSK\Proj\EG104\Drawn\Eng\EG104-P.dgn



**SUGGESTED CONSTRUCTION CONTROL AND PROTECTION GENERAL NOTES**

1. TRAFFIC CONTROL DEVICES, TEMPORARY TRAFFIC SIGNALS, AND SIGNS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO BEGINNING ANY OTHER WORK.
2. ANY EXISTING OR TEMPORARY MARKINGS WHICH CONFLICT WITH MARKINGS REQUIRED FOR CONSTRUCTION STAGING SHALL BE REMOVED ACCORDING TO SECTION 703 OR 783 OF THE STANDARD SPECIFICATIONS, AS APPLICABLE. WATER BLASTING SHALL BE USED TO REMOVE EXISTING MARKINGS ON EXISTING PAVEMENT NOT BE ALLOWED ON THE EXISTING SURFACES TO REMAIN.
3. THERE WILL BE ONE LANE OF TRAFFIC AND ONE LANE FOR PARKING OPEN ON CHICAGO STREET IN THE EASTBOUND DIRECTION AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
4. ANY CLOSURES AT THE INTERSECTIONS WITH GIFFORD STREET AND CHANNING STREET SHALL BE STAGGERED SO THAT ONE OF THE INTERSECTIONS IS OPEN AT ALL TIMES.
5. ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS NOTED HEREIN OR AS APPROVED BY THE ENGINEER.
6. THE CONSTRUCTION AT THE INTERSECTIONS OF GIFFORD STREET AND CHANNING STREET SHALL BE COMPLETED DURING THE SUMMER MONTHS TO LIMIT DISRUPTION AROUND THE ADJACENT SCHOOLS. LIKEWISE, THE SIDEWALK ON THE SOUTH SIDE OF CHICAGO STREET FROM CHAPEL STREET TO CHANNING STREET SHALL BE STAGED TO LIMIT DISRUPTION TO SCHOOL CHILDREN.
7. TEMPORARY PAVEMENT MARKING APPLIED TO FINAL PAVEMENT SURFACES AND EXISTING PAVEMENT SURFACES TO REMAIN SHALL BE PAVEMENT MARKING TAPE, TYPE III.
8. PLATING AND/OR TEMPORARY DRAINAGE STRUCTURE ADJUSTMENTS MAY BE REQUIRED DUE TO THE STAGING OF CONSTRUCTION.
9. ALL WATER MAIN, STORM SEWER, AND SANITARY SEWER LATERALS SHALL BE CONSTRUCTED USING TRAFFIC CONTROL STANDARD 701606 AS APPLICABLE. NO OVERNIGHT LANE CLOSURE WILL BE PERMITTED.
10. RESIDENT ENGINEER TO COORDINATE WITH PACE BUS FOR RELOCATION OF BUS STOPS DURING STAGE CHANGES. CONTACT RICK WILLMAN, P.E. AT (847)228-3584.
11. THE CONTRACTOR SHALL CONTACT THE DOT DI TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

**EXISTING LEGEND**

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING CONCRETE BASE
- (C) EXISTING CONCRETE CURB AND GUTTER TYPE B-6.12 (OVERLAYED WITH ASPHALT)
- (D) EXISTING SIDEWALK
- (E) CURB REMOVAL
- (F) EARTH EXCAVATION
- (G) SIDEWALK REMOVAL
- (H) HMA SURFACE REMOVAL VARIABLE DEPTH (0"-4")

**PROPOSED LEGEND**

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (4) TOPSOIL, 4", SOD, FERTILIZER
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5" (6" THROUGH DRIVEWAYS)
- (6) AGGREGATE BASE COURSE, TYPE B, 4"
- (7) PAVEMENT MARKING LINE, 4" DOUBLE YELLOW @ 11" O.C.
- (8) TEMPORARY EROSION CONTROL (AT LOCATIONS DIRECTED BY THE ENGINEER)
- (9) PAVEMENT MARKING LINE, 4"
- (10) HOT-MIX ASPHALT OVERLAY, 4"

**CONSTRUCTION SECTION - STAGE 1 CHICAGO STREET STATION 98+93 TO 131+06**

- \* 100+23 - 100+50 SE TRANSITION LT
- 100+50 - 102+50 RC (+1.5% SLOPE)
- 102+50 - 102+77 SE TRANSITION LT
- 114+10.5 - 114+24 SE TRANSITION RT
- 114+24 - 114+34 0% SLOPE
- 114+34 - 114+47.5 TRANSITION RT
- \*\* 124+16 - 124+43 SE TRANSITION RT
- 124+43 - 127+80 RC (+1.5% SLOPE)
- 127+80 - 128+07 SE TRANSITION RT

**STAGE 1 SUGGESTED CONSTRUCTION SEQUENCE**

- INSTALL CHANGEABLE MESSAGE SIGNS (2 TOTAL) ON EASTBOUND AND WESTBOUND CHICAGO STREET TWO WEEKS PRIOR TO COMMENCEMENT OF WORK TO NOTIFY THE MOTORING PUBLIC CONCERNING THE UPCOMING ROADWAY CONSTRUCTION.
- INSTALL TEMPORARY TRAFFIC SIGNALS AT GIFFORD STREET AND CHANNING STREET.
- ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER DETOUR PLAN, STAGE 1 PLAN, AND APPLICABLE IDOT STANDARDS. KEEP EXISTING SIGNALS OPERATIONAL UNTIL STAGE 1 TRAFFIC CONTROL IS COMPLETE. THEN, SWITCH OPERATION OVER TO THE TEMPORARY SIGNALS AS GIFFORD STREET AND CHANNING STREET.
- INSTALL TEMPORARY EROSION CONTROL DEVICES PER PLAN AND APPLICABLE DETAILS.
- REMOVAL OF EXISTING FACILITIES, INCLUDING EXISTING TRAFFIC SIGNAL EQUIPMENT AT GIFFORD STREET AND CHANNING STREET.
- CONSTRUCT STORM SEWER, SANITARY SEWER, AND WATER MAIN BY TRENCHING THROUGH THE EXISTING PAVEMENT. BACKFILL TRENCHES WITH STONE TO EXISTING GRADE.
- CONSTRUCT HOT-MIX ASPHALT OVERLAY ON SOUTH SIDE OF PAVEMENT.
- INSTALL TEMPORARY CLOSURES AT GIFFORD AND CHANNING STREET TO CONSTRUCT UTILITIES AS APPLICABLE. BACKFILL TO GRADE THROUGH THE INTERSECTIONS.
- INSTALL TEMPORARY EROSION CONTROL THROUGHOUT STAGE 1 LIMITS AS REQUIRED.

Plot: 11/18/2018 11:18:41 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

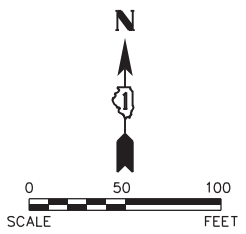
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

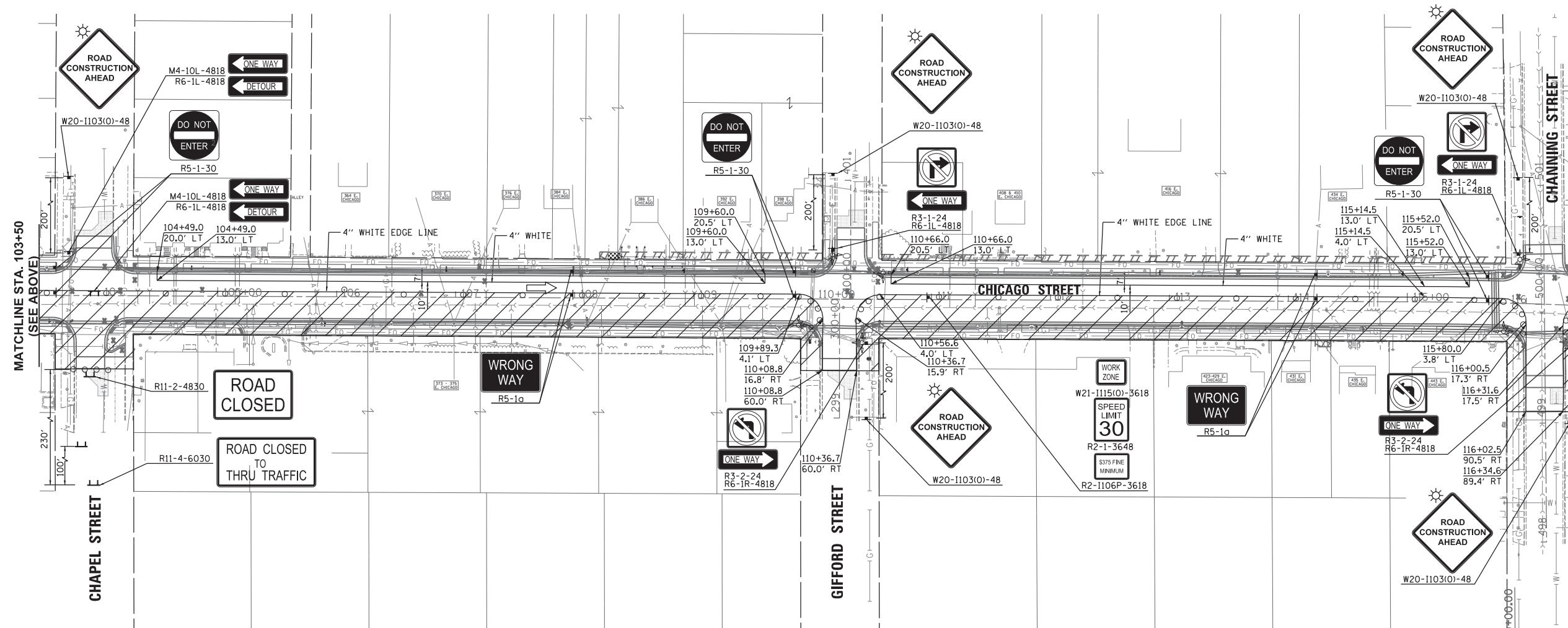
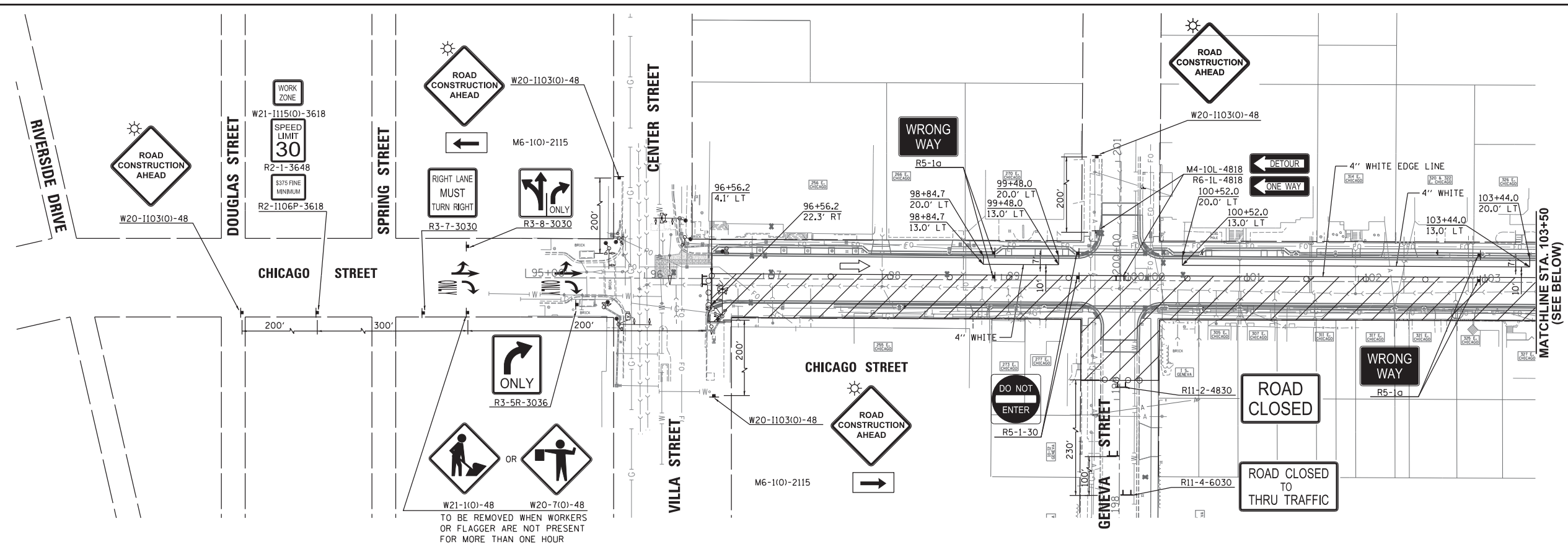
**CHICAGO STREET**  
**STAGING PLAN - STAGE 1**

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	28
				CONTRACT NO. 61E15
ILLINOIS FED. AID PROJECT				



- CONSTRUCTION STAGING LEGEND**
- WORK ZONE
  - DIRECTION OF TRAFFIC MOVEMENT
  - TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, WITH STEADY BURN LIGHT AT 50' C/C (TYP.); 20' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS)
  - TYPE III BARRICADE WITH 2 2-WAY FLASHING LIGHTS
  - TEMPORARY INFORMATION SIGN/TRAFFIC CONTROL SIGN
  - ARROW BOARD



Plot: 1/24/2018 3:08:31 PM By: cjt/uch

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

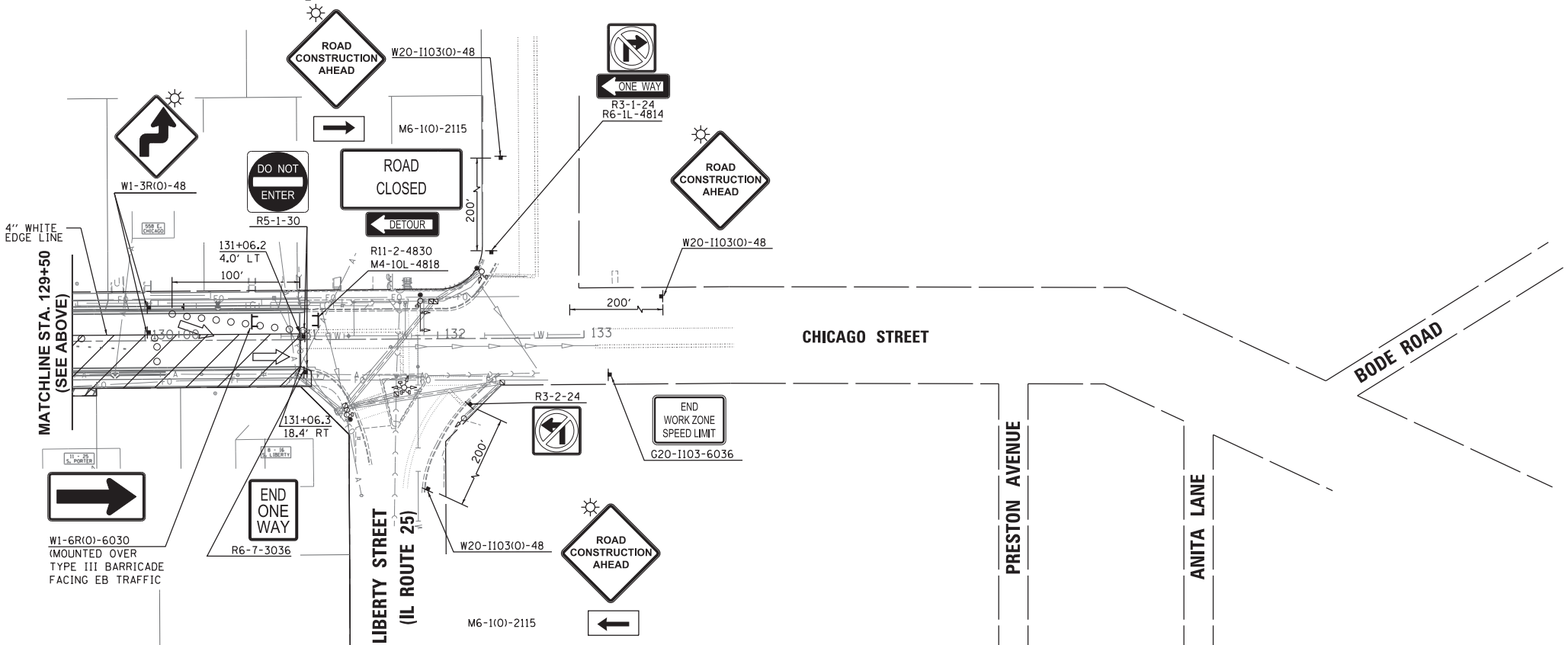
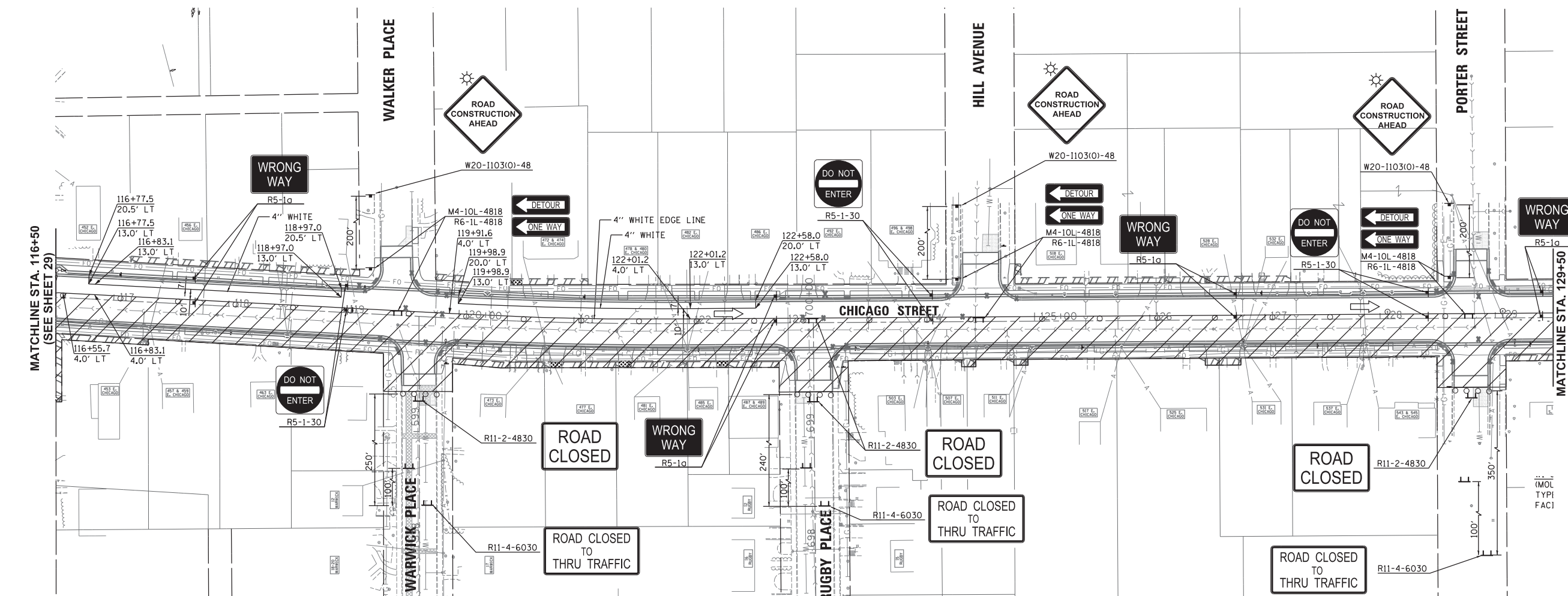
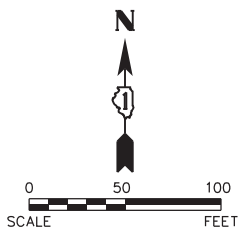
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SUGGESTED CONSTRUCTION STAGING PLAN - STAGES 1 & 3**

SCALE: 1"=50'      SHEET NO. 2 OF 4 SHEETS      STA. 94+00 TO STA. 120+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	29
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

Path: H:\SBSKProj\EGT04\Drawn\Final Eng\EGT04-PLAN\_505C.dgn



**CONSTRUCTION STAGING LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, WITH STEADY BURN LIGHT AT 50' C/C (TYP.); 20' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS)
- TYPE III BARRICADE WITH 2 2-WAY FLASHING LIGHTS
- TEMPORARY INFORMATION SIGN/TRAFFIC CONTROL SIGN
- ARROW BOARD

Plot: 1/24/2018 3:08:32 PM By: cjt/fuch

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SUGGESTED CONSTRUCTION STAGING PLAN - STAGES 1 & 3**

SCALE: 1"=50'      SHEET NO. 3 OF 4 SHEETS      STA. 120+00 TO STA. 133+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	30
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\S05KPR01\EGT104 Vign\Drawn Final Eng\EGT104-PLAN 505C.dgn



**LEGEND**

- LIMITS OF CHICAGO STREET IMPROVEMENT (ONE-WAY EASTBOUND ONLY)
- SIGN WITH HIGH INTENSITY WARNING LIGHT
- TYPE III BARRICADE W/2 HIGH INTENSITY WARNING LIGHTS AND SIGNS AS NOTED
- DIRECTION OF DETOUR TRAFFIC FLOW



•FHWA SERIES 2000 STANDARD ALPHABETS  
 36"x12" PROPOSED SIGN W/5" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND. LOWERCASE LETTERS SHALL BE 3/4 SIZE OF UPPERCASE LETTERS.

SIGN DETAILS  
 36"x12"  
 SPECIAL SIGN

NOTE: SEE STAGE 1 AND STAGE 2 SUGGESTED CONSTRUCTION STAGING PLANS FOR ADDITIONAL SIGNAGE/BARRICADES.

Plot#ed: 1/24/2018 3:08:33 PM By: cjt/uch

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

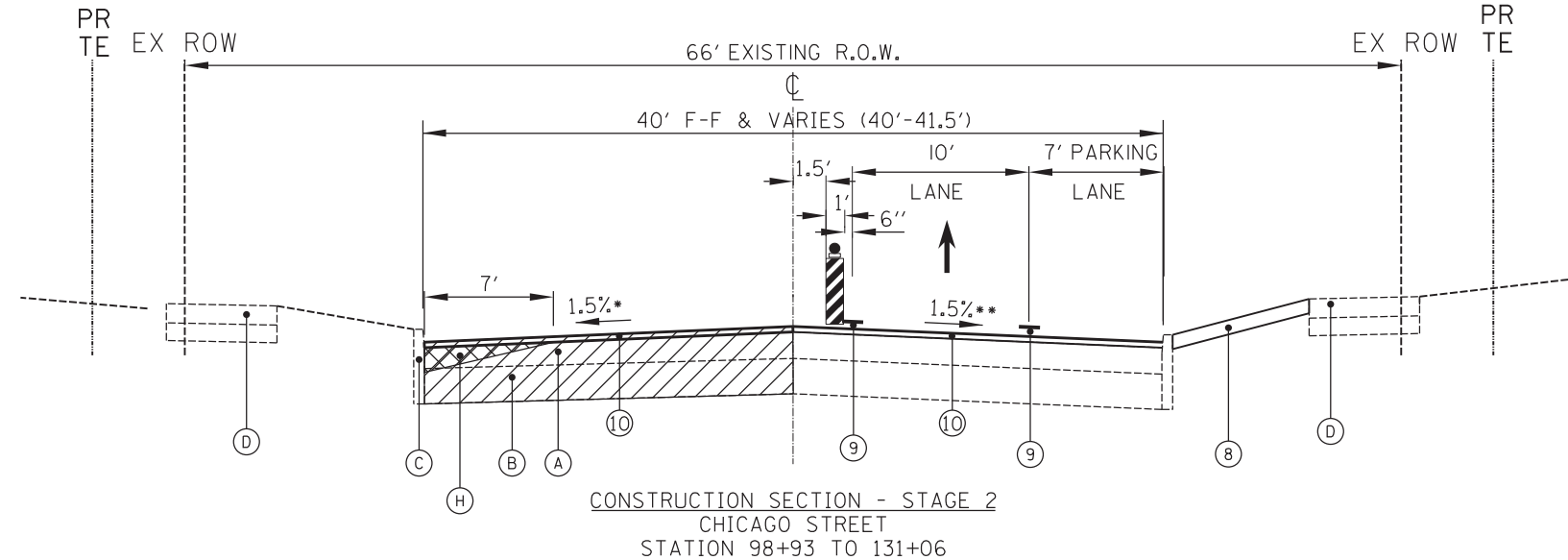
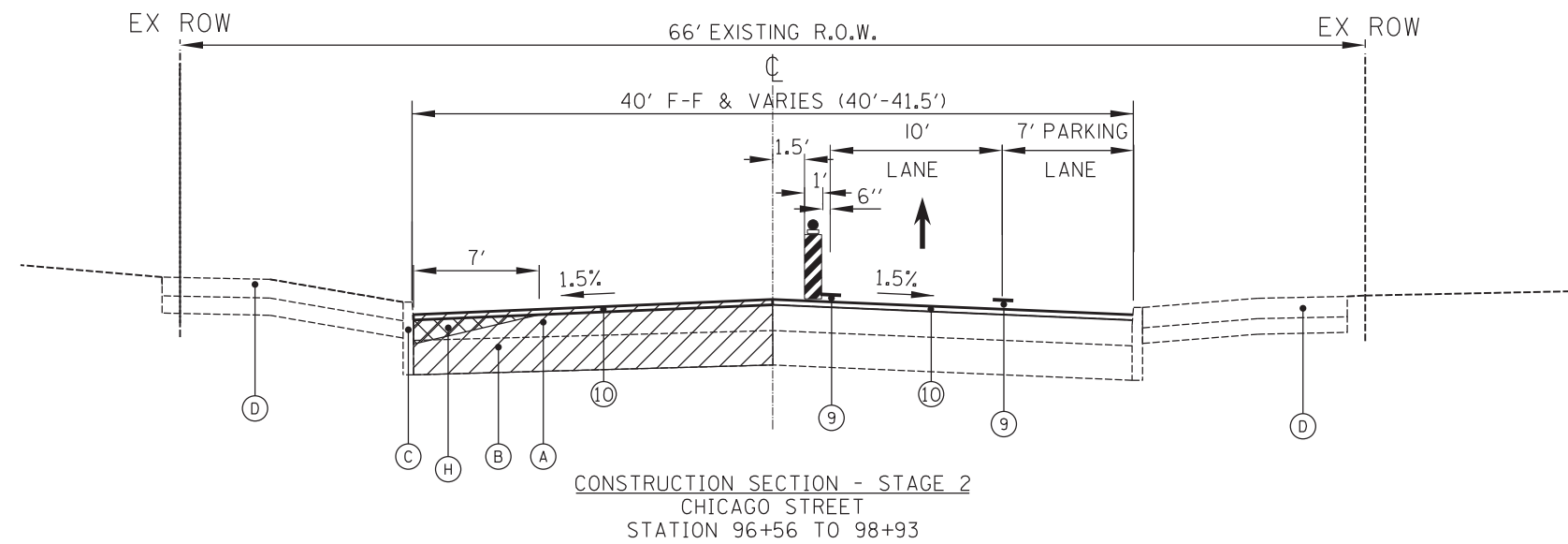
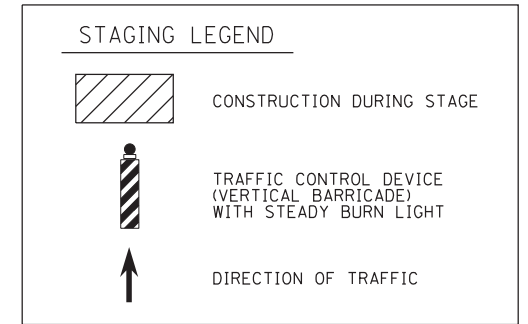
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET  
 TRAFFIC CONTROL AND DETOUR PLAN**

SCALE: 1" = 200'    SHEET NO. 4 OF 4 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	31
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EGT04\Sign\Dgn\Final Eng\EGT04-Detour.dgn



**EXISTING LEGEND**

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING CONCRETE BASE
- (C) EXISTING CONCRETE CURB AND GUTTER TYPE B-6.12 (OVERLAYED WITH ASPHALT)
- (D) EXISTING SIDEWALK
- (E) CURB REMOVAL
- (F) EARTH EXCAVATION
- (G) SIDEWALK REMOVAL
- (H) HMA SURFACE REMOVAL VARIABLE DEPTH (0"-4")

**PROPOSED LEGEND**

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (4) TOPSOIL, 4", SOD, FERTILIZER
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5" (6" THROUGH DRIVEWAYS)
- (6) AGGREGATE BASE COURSE, TYPE B, 4"
- (7) PAVEMENT MARKING LINE, 4" DOUBLE YELLOW @ 11" O.C.
- (8) TEMPORARY EROSION CONTROL (AT LOCATIONS DIRECTED BY THE ENGINEER)
- (9) PAVEMENT MARKING LINE, 4"
- (10) HOT-MIX ASPHALT OVERLAY, 4"

\* 100+23 - 100+50 SE TRANSITION LT  
100+50 - 102+50 RC (+1.5% SLOPE)  
102+50 - 102+77 SE TRANSITION LT

114+10.5 - 114+24 SE TRANSITION RT  
114+24 - 114-34 0% SLOPE  
114+34 - 114+47.5 TRANSITION RT

\*\* 124+16 - 124+43 SE TRANSITION RT  
124+43 - 127+80 RC (+1.5% SLOPE)  
127+80 - 128+07 SE TRANSITION RT

**STAGE 2 SUGGESTED CONSTRUCTION SEQUENCE**

UPDATE CHANGEABLE MESSAGE SIGNS (2 TOTAL) ON EASTBOUND AND WESTBOUND CHICAGO STREET FIVE (5) DAYS PRIOR TO COMMENCEMENT OF WORK TO NOTIFY THE MOTORING PUBLIC CONCERNING THE UPCOMING ROADWAY CONSTRUCTION.

UPDATE TEMPORARY TRAFFIC SIGNALS AT GIFFORD STREET AND CHANNING STREET AS NECESSARY FOR STAGE 2 CONSTRUCTION.

ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER DETOUR PLAN, STAGE 2 PLAN, AND APPLICABLE IDOT STANDARDS.

INSTALL TEMPORARY EROSION CONTROL DEVICES PER PLAN AND APPLICABLE DETAILS.

REMOVAL OF EXISTING FACILITIES.

CONSTRUCT STORM SEWER, SANITARY SEWER, AND WATER MAIN BY TRENCHING THROUGH THE EXISTING PAVEMENT. BACKFILL TRENCHES WITH STONE TO EXISTING GRADE.

PATCH TRENCHES ON SOUTH SIDE OF PAVEMENT.

INSTALL TEMPORARY CLOSURES AT GIFFORD AND CHANNING STREET TO REMOVE FACILITIES AND TO CONSTRUCT UTILITIES AS APPLICABLE.

INSTALL TEMPORARY EROSION CONTROL THROUGHOUT STAGE 2 LIMITS AS REQUIRED.

PREPARE FOR WINTER SHUT-DOWN BY COMPLETING HOT-MIX ASPHALT OVERLAY ON NORTH SIDE OF PAVEMENT. THEN, OPEN TRAFFIC AND PARKING ON CHICAGO STREET TO TWO-WAY TRAFFIC FOR THE WINTER. COVER OR REMOVE DETOUR SIGNS FOR THE WINTER SHUT-DOWN.

Plot#ed: 11/8/2018 11:13:54 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

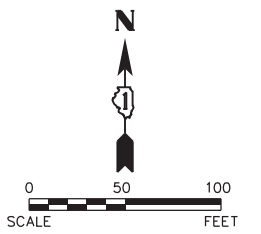
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STAGING PLAN - STAGE 2**

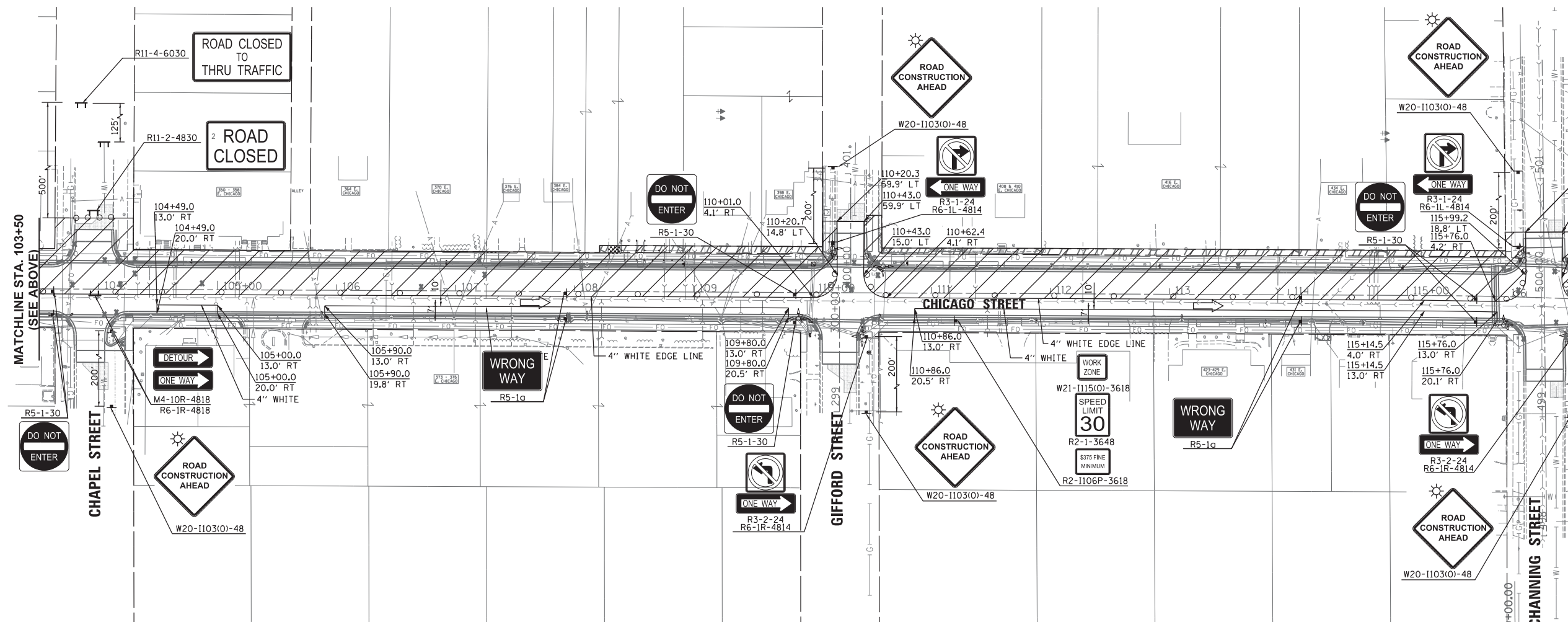
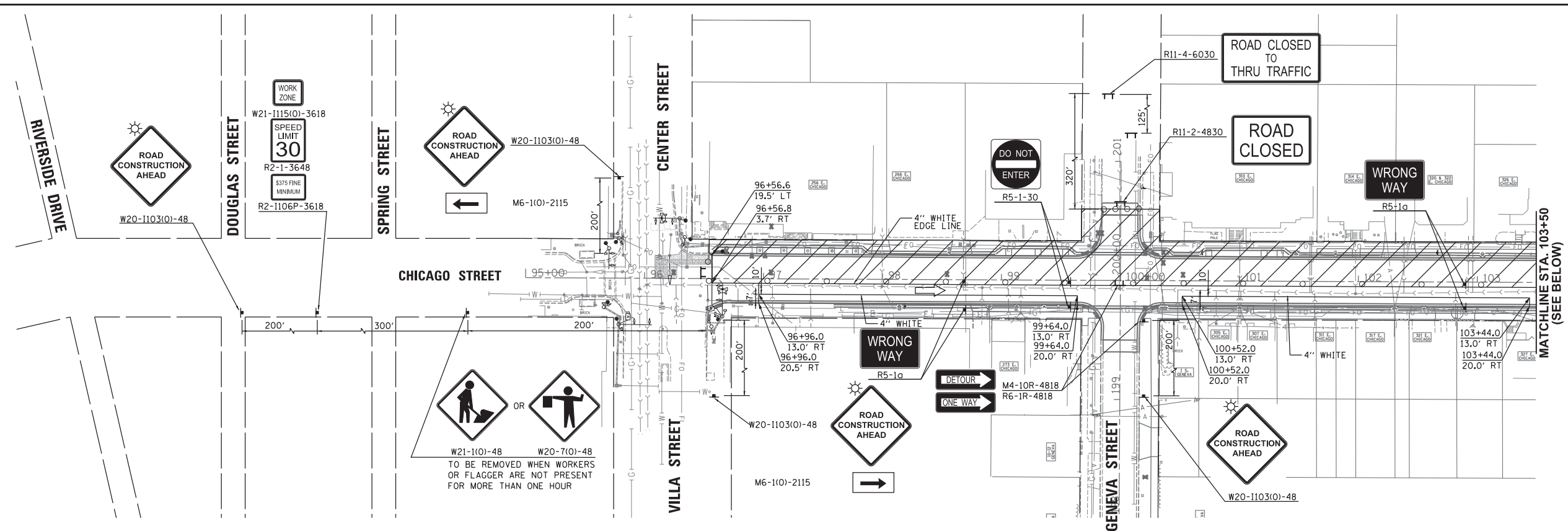
SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	32
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	





- CONSTRUCTION STAGING LEGEND**
- WORK ZONE
  - DIRECTION OF TRAFFIC MOVEMENT
  - TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, WITH STEADY BURN LIGHT AT 50' C/C (TYP.); 20' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS)
  - TYPE III BARRICADE WITH 2 2-WAY FLASHING LIGHTS
  - TEMPORARY INFORMATION SIGN/TRAFFIC CONTROL SIGN
  - ARROW BOARD



Plot: 1/24/2018 3:08:35 PM By: cjt/uch

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

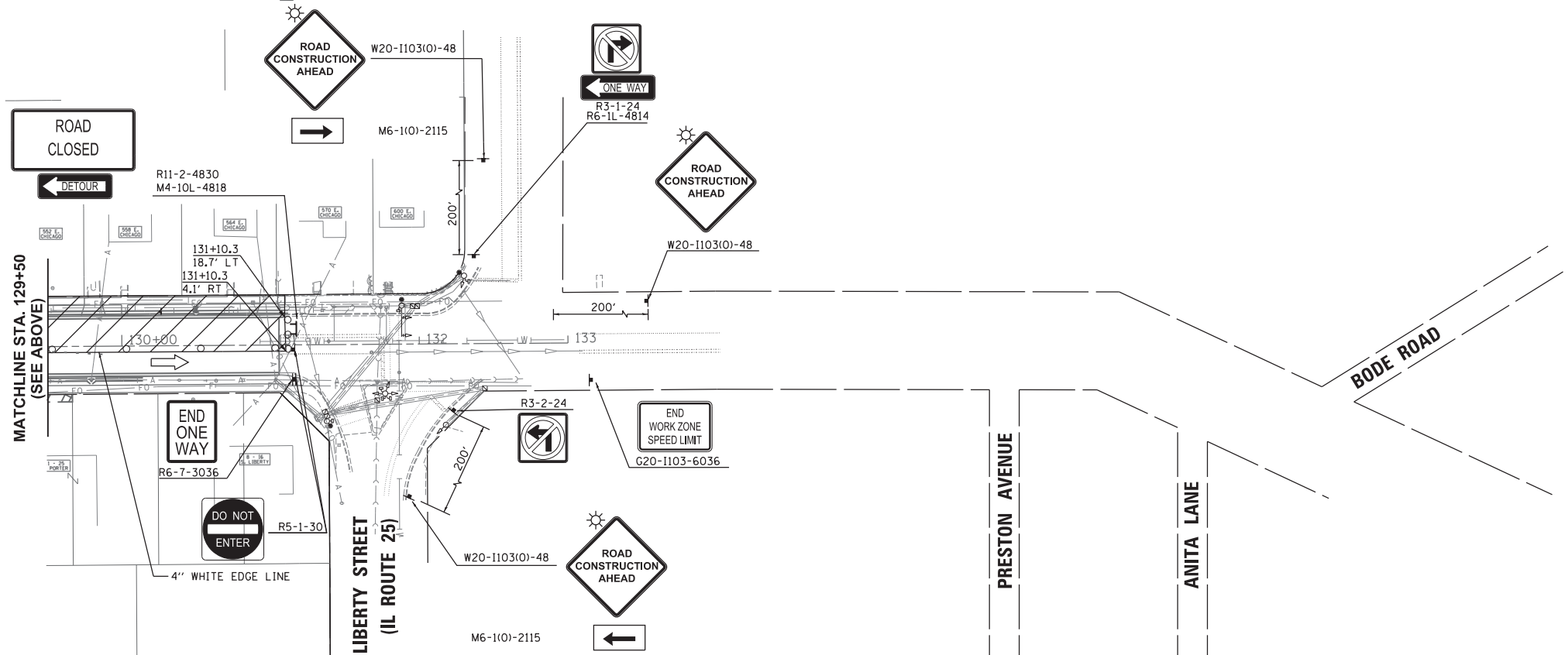
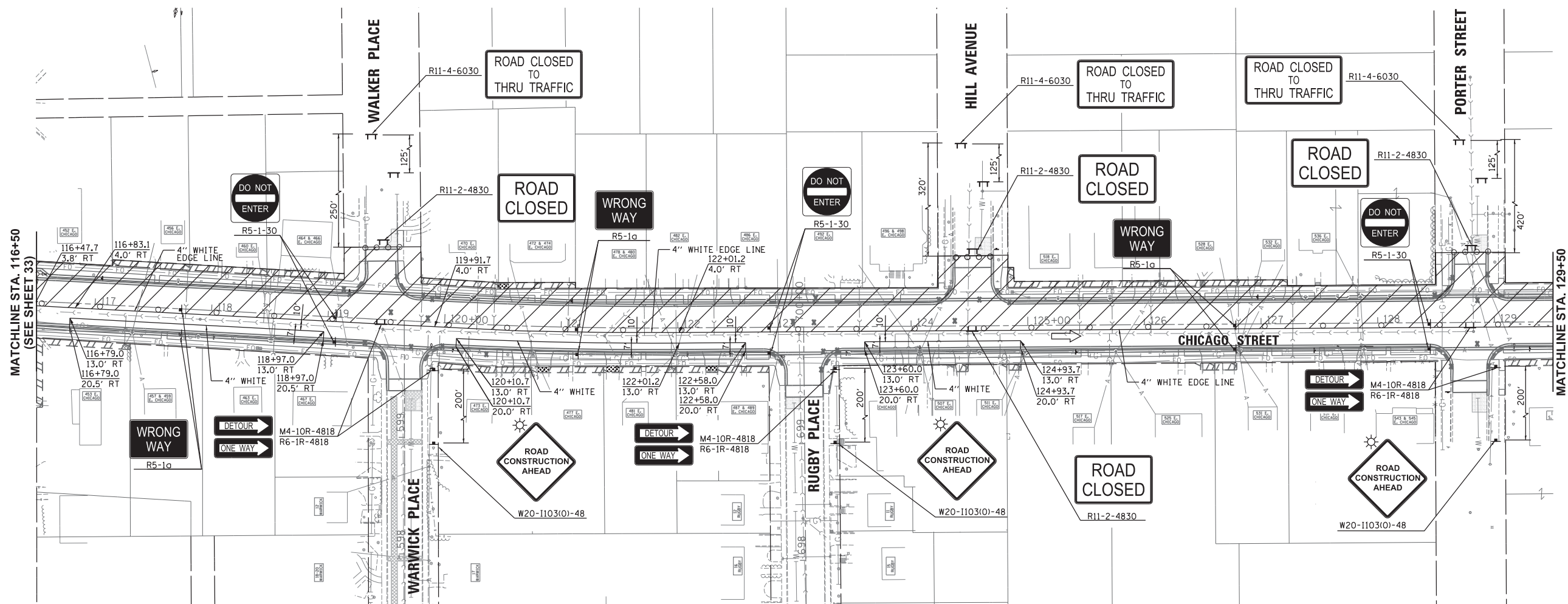
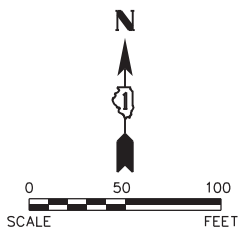
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SUGGESTED CONSTRUCTION STAGING PLAN - STAGES 2 & 4**

SCALE: 1"=50'    SHEET NO. 2 OF 3 SHEETS    STA. 94+00 TO STA. 120+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	33
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

Path: H:\5058\F09\EGT04\Plan\Eng\EGT04-PLAN\_5058.dgn



**CONSTRUCTION STAGING LEGEND**

- WORK ZONE
- DIRECTION OF TRAFFIC MOVEMENT
- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, WITH STEADY BURN LIGHT AT 50' C/C (TYP.); 20' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS
- TYPE III BARRICADE WITH 2 2-WAY FLASHING LIGHTS
- TEMPORARY INFORMATION SIGN/TRAFFIC CONTROL SIGN
- ARROW BOARD

Plot Date: 1/24/2018 3:08:36 PM By: cjt/uch

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

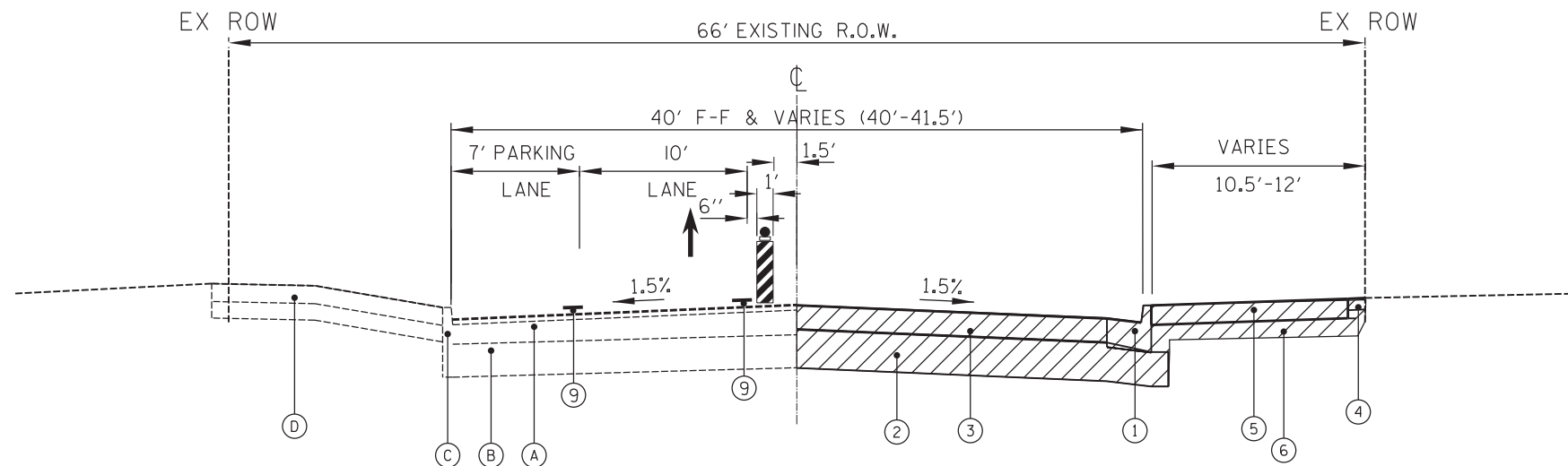
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SUGGESTED CONSTRUCTION STAGING PLAN - STAGES 2 & 4**

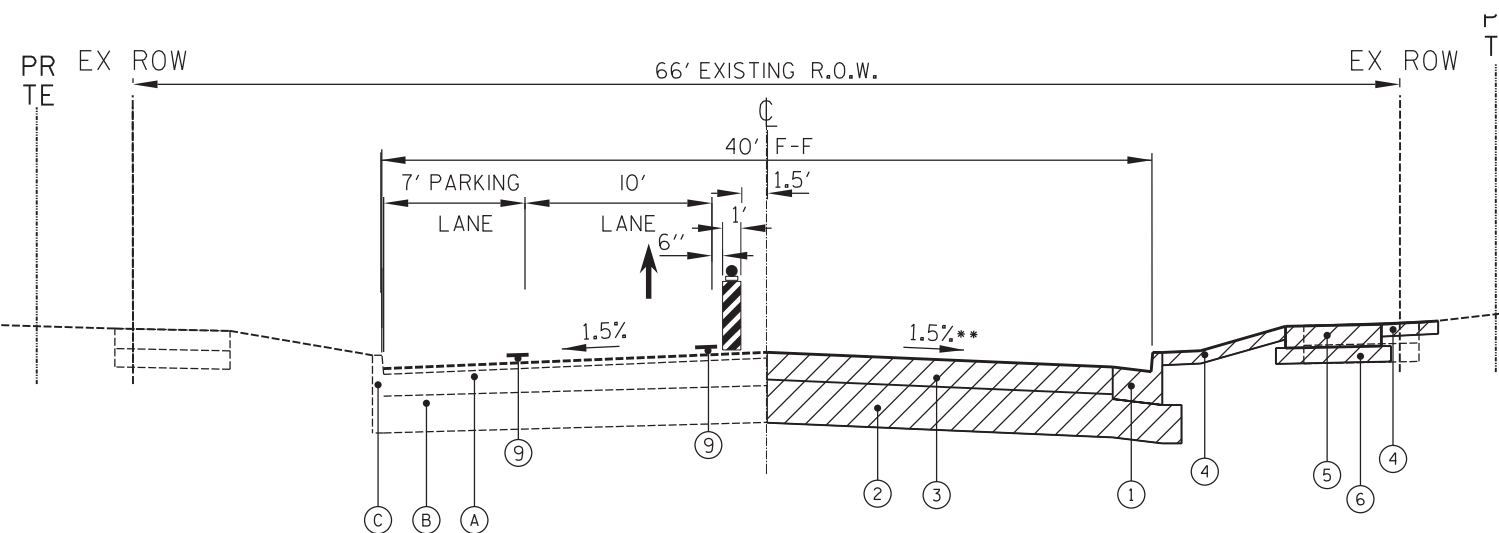
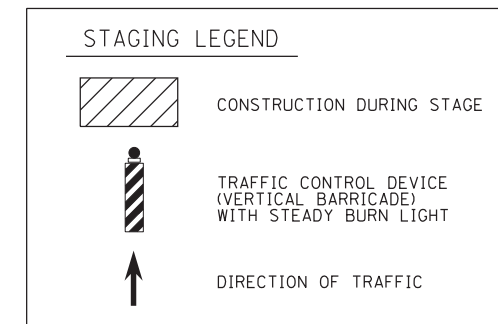
SCALE: 1"=50'      SHEET NO. 3 OF 3 SHEETS      STA. 120+00 TO STA. 133+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	34
				CONTRACT NO. 61E15
ILLINOIS FED. AID PROJECT				

Path: H:\S058KProj\EG104\Drawn\Final Eng\EG104-PLAN\_508K.dgn



CONSTRUCTION SECTION - STAGE 3  
CHICAGO STREET  
STATION 96+56 TO 98+93



CONSTRUCTION SECTION - STAGE 3  
CHICAGO STREET  
STATION 98+93 TO 131+06

- \* 100+23 - 100+50 SE TRANSITION LT
- 100+50 - 102+50 RC (+1.5% SLOPE)
- 102+50 - 102+77 SE TRANSITION LT
- 114+10.5 - 114+24 SE TRANSITION RT
- 114+24 - 114+34 0% SLOPE
- 114+34 - 114+47.5 TRANSITION RT
- \*\* 124+16 - 124+43 SE TRANSITION RT
- 124+43 - 127+80 RC (+1.5% SLOPE)
- 127+80 - 128+07 SE TRANSITION RT

STAGE 3 SUGGESTED CONSTRUCTION SEQUENCE

AFTER THE WINTER SHUT-DOWN, REINSTALL/UPDATE CHANGEABLE MESSAGE SIGNS (2 TOTAL) ON EASTBOUND AND WESTBOUND CHICAGO STREET FIVE (5) DAYS PRIOR TO COMMENCEMENT OF WORK TO NOTIFY THE MOTORING PUBLIC CONCERNING THE UPCOMING ROADWAY CONSTRUCTION.

UPDATE TEMPORARY TRAFFIC SIGNALS AT GIFFORD STREET AND CHANNING STREET AS NECESSARY FOR STAGE 3 CONSTRUCTION.

ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER DETOUR PLAN, STAGE 3 PLAN, AND APPLICABLE IDOT STANDARDS.

INSTALL TEMPORARY EROSION CONTROL DEVICES PER PLAN AND APPLICABLE DETAILS.

REMOVE EXISTING FACILITIES.

CONSTRUCT ELECTRICAL CONDUIT AS APPLICABLE WITHIN STAGE 3.

CONSTRUCT AGGREGATE SUBGRADE.

CONSTRUCT CURB AND GUTTER, PCC PAVEMENT, AND SIDEWALK.

INSTALL TEMPORARY CLOSURES AT GIFFORD STREET AND AT CHANNING STREET TO REMOVE FACILITIES AND TO CONSTRUCT AGGREGATE SUBGRADE AND PCC PAVEMENT THROUGH THE SOUTH SIDE OF THE INTERSECTIONS.

INSTALL TEMPORARY EROSION CONTROL THROUGHOUT STAGE 3 AS REQUIRED.

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING CONCRETE BASE
- (C) EXISTING CONCRETE CURB AND GUTTER TYPE B-6.12 (OVERLAYED WITH ASPHALT)
- (D) EXISTING SIDEWALK
- (E) CURB REMOVAL
- (F) EARTH EXCAVATION

PROPOSED LEGEND

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (4) TOPSOIL, 4", SOD, FERTILIZER
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (6) AGGREGATE BASE COURSE, TYPE B, 4"
- (7) PAVEMENT MARKING LINE, 4" DOUBLE YELLOW @ 11" O.C.
- (8) TEMPORARY EROSION CONTROL (AT LOCATIONS DIRECTED BY THE ENGINEER)
- (9) PAVEMENT MARKING LINE, 4"
- (10) HOT-MIX ASPHALT OVERLAY, 3"

Plot#ed: 10/9/2018 7:44:10 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

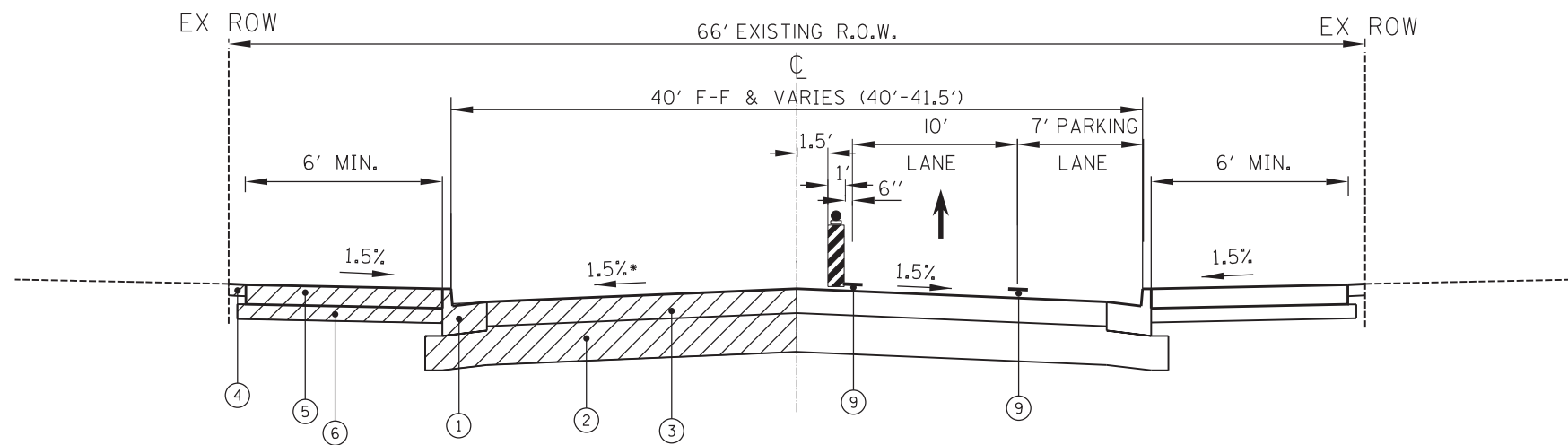
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STAGING PLAN - STAGE 3**

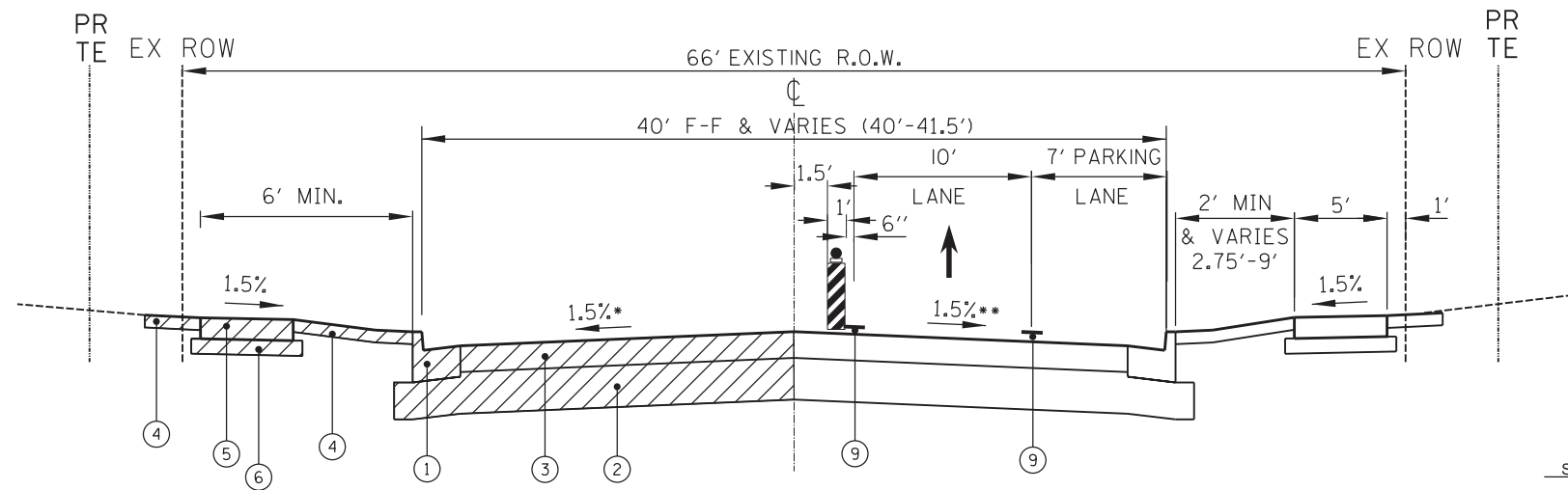
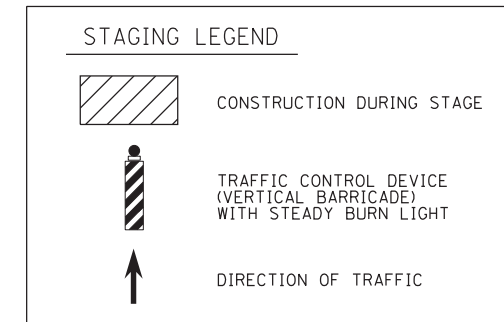
SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	35
CONTRACT NO. 61E15				

ILLINOIS FED. AID PROJECT



CONSTRUCTION SECTION - STAGE 4  
CHICAGO STREET  
STATION 96+56 TO 98+93



CONSTRUCTION SECTION - STAGE 4  
CHICAGO STREET  
STATION 98+93 TO 131+06

- \* 100+23 - 100+50 SE TRANSITION LT
- 100+50 - 102+50 RC (+1.5% SLOPE)
- 102+50 - 102+77 SE TRANSITION LT
- 114+10.5 - 114+24 SE TRANSITION RT
- 114+24 - 114-34 0% SLOPE
- 114+34 - 114+47.5 TRANSITION RT
- \*\* 124+16 - 124+43 SE TRANSITION RT
- 124+43 - 127+80 RC (+1.5% SLOPE)
- 127+80 - 128+07 SE TRANSITION RT

- STAGE 4 SUGGESTED CONSTRUCTION SEQUENCE**
- UPDATE CHANGEABLE MESSAGE SIGNS (2 TOTAL) ON EASTBOUND AND WESTBOUND CHICAGO STREET FIVE (5) DAYS PRIOR TO COMMENCEMENT OF WORK TO NOTIFY THE MOTORING PUBLIC CONCERNING THE UPCOMING ROADWAY CONSTRUCTION.
  - UPDATE TEMPORARY TRAFFIC SIGNALS AT GIFFORD STREET AND CHANNING STREET AS NECESSARY FOR STAGE 4 CONSTRUCTION.
  - ESTABLISH TRAFFIC CONTROL AND PAVEMENT MARKING PER STAGE 4 PLAN AND APPLICABLE IDOT STANDARDS.
  - INSTALL TEMPORARY EROSION CONTROL DEVICES PER PLAN AND APPLICABLE DETAILS.
  - REMOVE EXISTING FACILITIES.
  - CONSTRUCT ELECTRICAL CONDUIT AS APPLICABLE WITHIN STAGE 4.
  - CONSTRUCT AGGREGATE SUBGRADE.
  - CONSTRUCT CURB & GUTTER, PCC PAVEMENT, AND SIDEWALK.
  - INSTALL TEMPORARY CLOSURES AT GIFFORD STREET AND CHANNING STREET TO REMOVE FACILITIES AND TO CONSTRUCT AGGREGATE SUBGRADE AND PCC PAVEMENT THROUGH THE NORTH SIDE OF THE INTERSECTION.
- STAGE 5 SUGGESTED CONSTRUCTION SEQUENCE**
- OPEN ROADWAY TO TWO-WAY TRAFFIC.
  - COMPLETE FINAL PAVEMENT MARKING AND SIGNAGE.
  - COMPLETE CONSTRUCTION OF PROPOSED TRAFFIC SIGNALS AT GIFFORD STREET AND CHANNING STREET.
  - COMPLETE LANDSCAPE RESTORATION.

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING CONCRETE BASE
- (C) EXISTING CONCRETE CURB AND GUTTER TYPE B-6.12 (OVERLAYED WITH ASPHALT)
- (D) EXISTING SIDEWALK
- (E) CURB REMOVAL
- (F) EARTH EXCAVATION

PROPOSED LEGEND

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- (4) TOPSOIL, 4", SOD, FERTILIZER
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (6) AGGREGATE BASE COURSE, TYPE B, 4"
- (7) PAVEMENT MARKING LINE, 4" DOUBLE YELLOW @ 11" O.C.
- (8) TEMPORARY EROSION CONTROL (AT LOCATIONS DIRECTED BY THE ENGINEER)
- (9) PAVEMENT MARKING LINE, 4"
- (10) HOT-MIX ASPHALT OVERLAY, 3"

Plot#ed: 10/9/2018 7:48:33 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

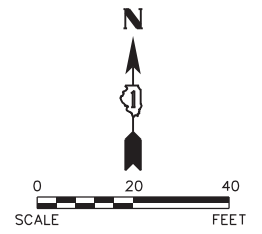
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STAGING PLAN - STAGE 4**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	35A
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



**LEGEND**

- TOPSOIL, 4" SOD AND FERTILIZER
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TREE PROTECTION
- PROPOSED TREE (SEE TREE LEGEND ON SHEET 36)

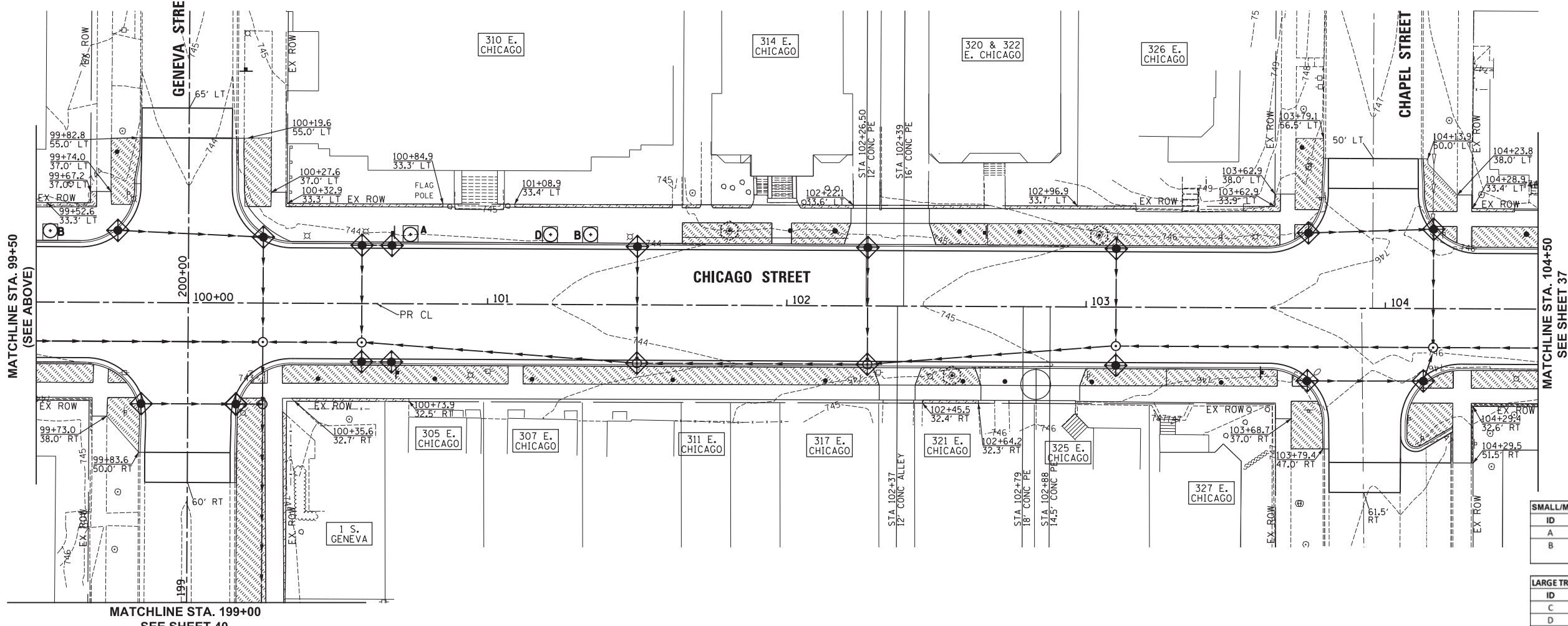
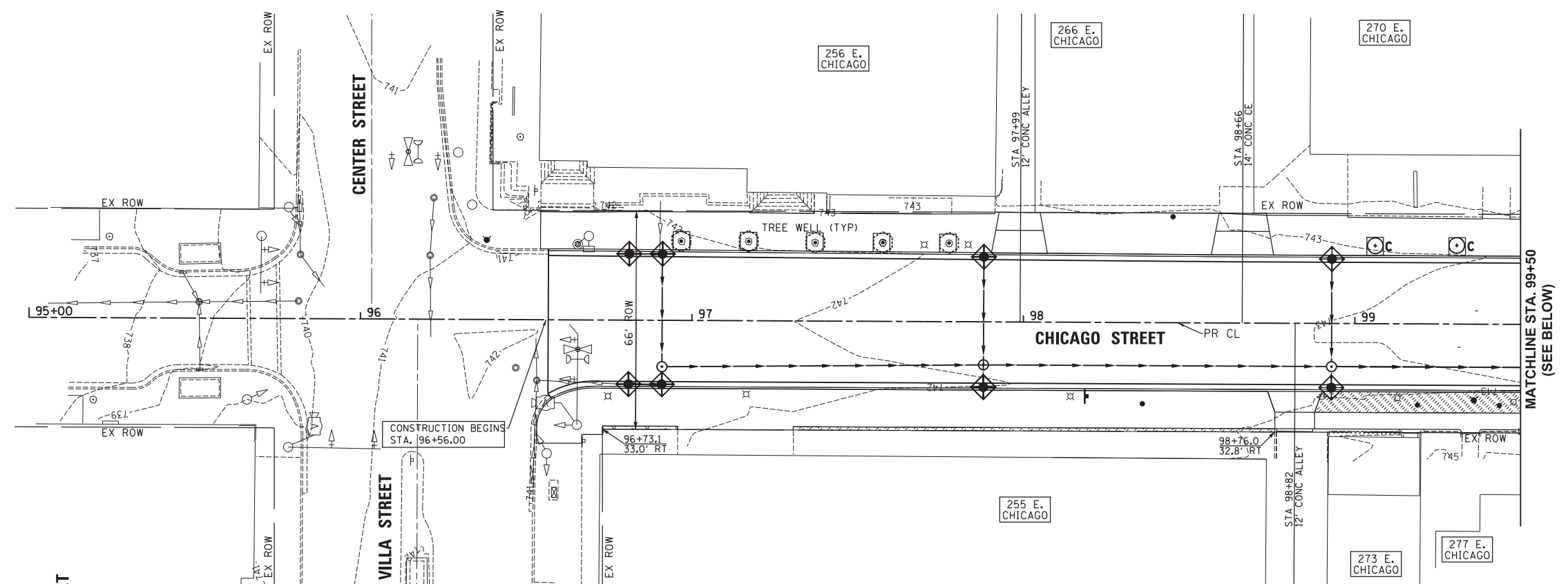
- NOTES:
1. INLET FILTERS SHALL BE USED FOR INLET AND PIPE PROTECTION AT CURB STRUCTURES.
  2. ALL AREAS RECEIVING SODDING SHALL HAVE A SPADE EDGE ALONG THE EXISTING OR NEW TREES. PROVIDE A 5' DIAMETER RING FOR EACH TREE.
  3. TREE PROTECTION INDICATED IS TREE TRUNK PROTECTION AND TREE ROOT PRUNING.

**TREE LEGEND**

SMALL/MEDIUM TREES		
ID	BOTANICAL NAME	COMMON NAME
A	ACER GRISEUM	PAPERBARK MAPLE
B	AMELANCHER X GRANDIFLORA	AUTUMN BRILLIANCE SERVICE BERRY "AUTUMN BRILLIANCE"

LARGE TREES		
ID	BOTANICAL NAME	COMMON NAME
C	QUERCUS BICOLOR	SWAMP WHITE OAK
D	TILIA AMERICANA REDMOND	REDMOND AMERICAN LINDEN



Plot#ed: 10/9/2017 7:48:50 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

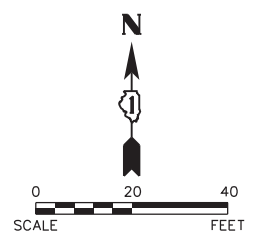
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=20'      SHEET NO. 1 OF 5 SHEETS      STA. 95+00 TO STA. 99+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	36

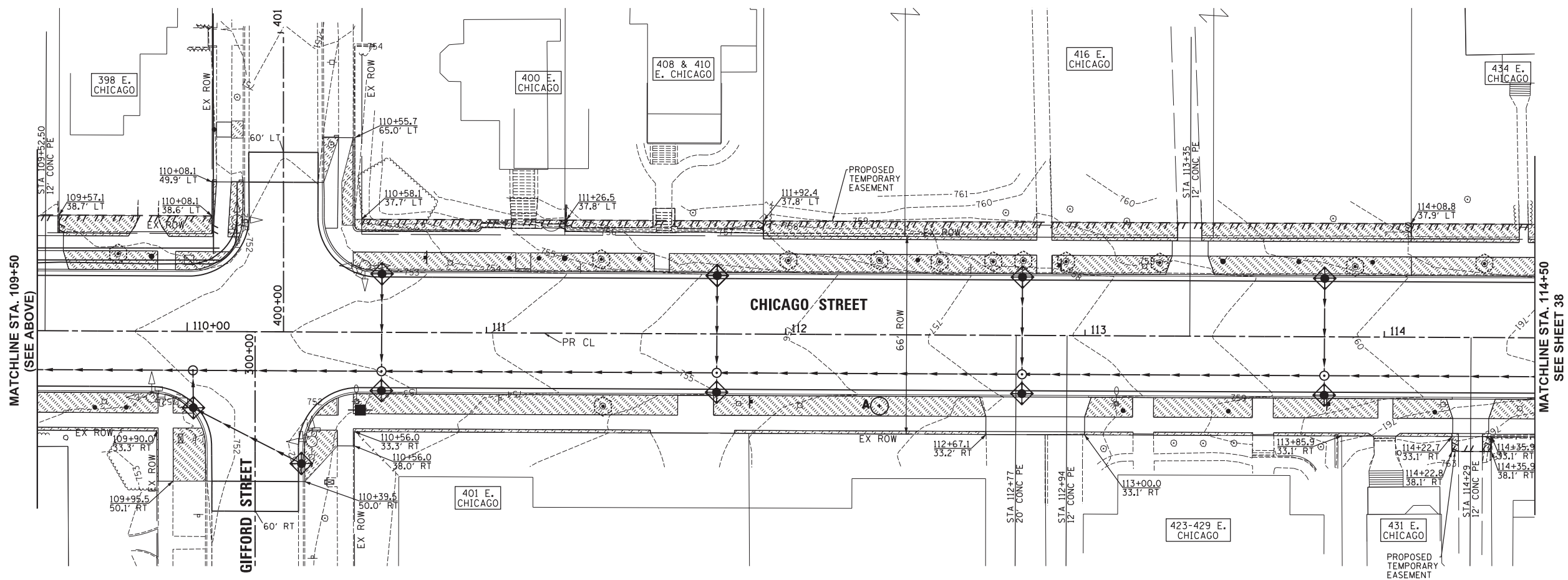
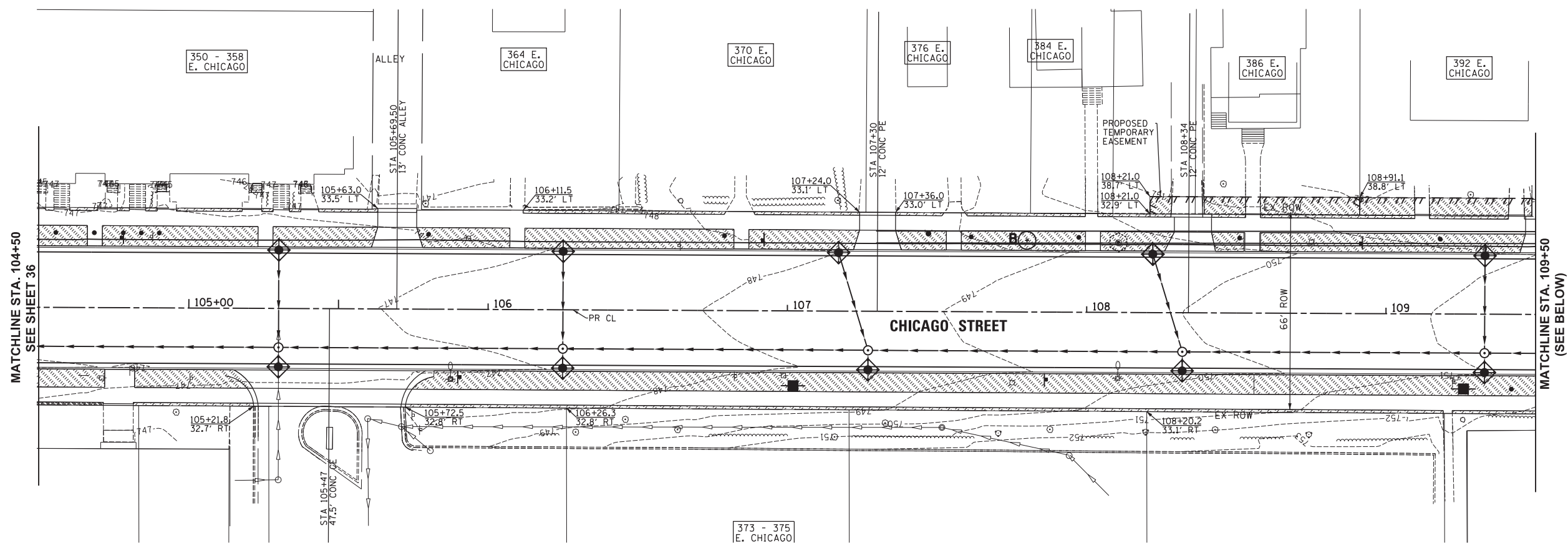
CONTRACT NO. 61E15  
 ILLINOIS FED. AID PROJECT



**LEGEND**

- TOPSOIL, 4" SOD AND FERTILIZER
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TREE PROTECTION
- PROPOSED TREE (SEE TREE LEGEND ON SHEET 36)

- NOTES:**
1. INLET FILTERS SHALL BE USED FOR INLET AND PIPE PROTECTION AT CURB STRUCTURES.
  2. ALL AREAS RECEIVING SODDING SHALL HAVE A SPADE EDGE ALONG THE EXISTING OR NEW TREES. PROVIDE A 5' DIAMETER RING FOR EACH TREE.
  3. TREE PROTECTION INDICATED IS TREE TRUNK PROTECTION AND TREE ROOT PRUNING.



Plot Date: 1/24/2018 3:21:30 PM By: cjt/uch

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

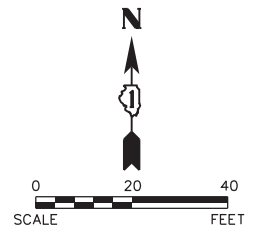
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=20'      SHEET NO. 2 OF 5 SHEETS      STA. 104+50 TO STA. 114+50

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	37
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

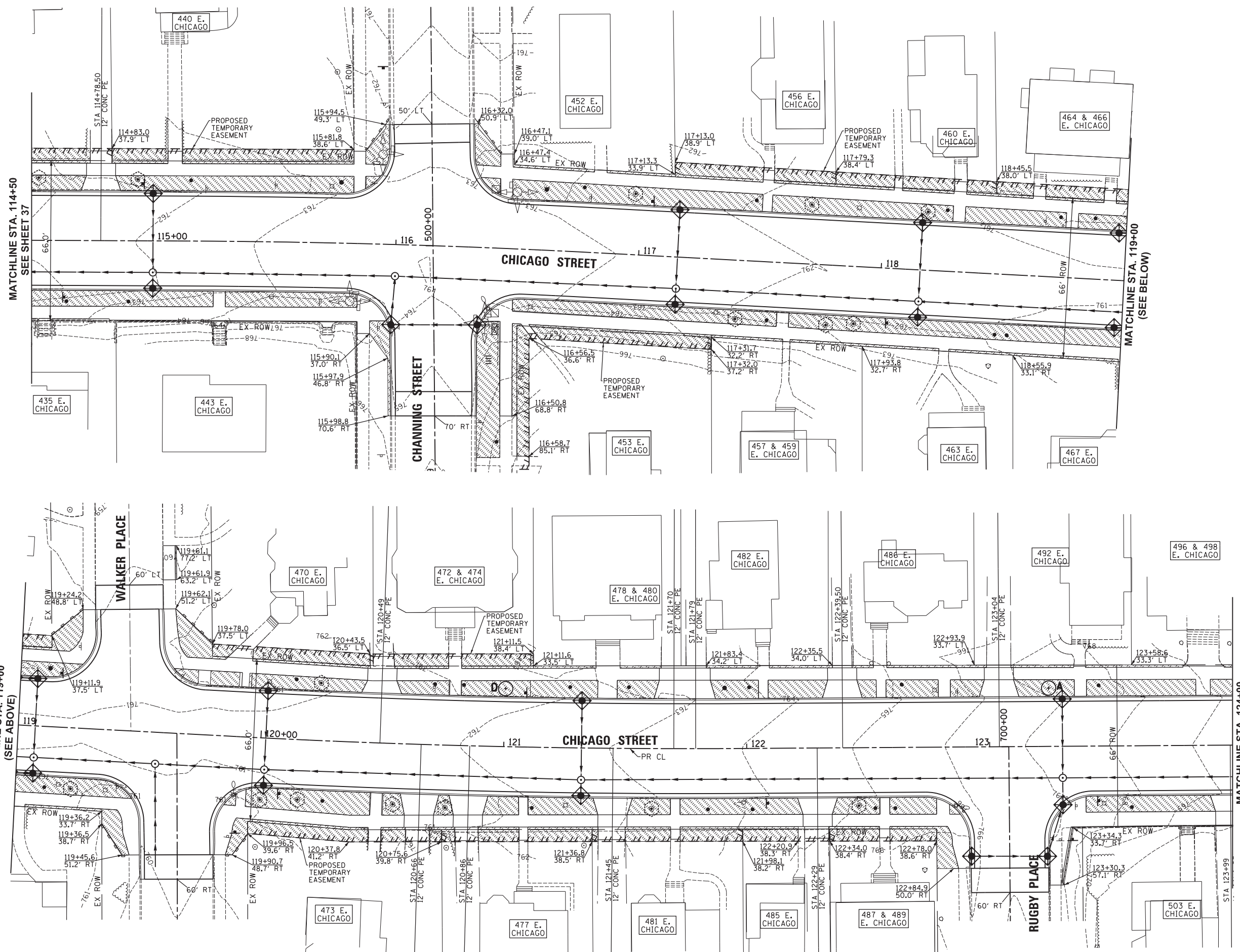


**LEGEND**

- TOPSOIL, 4" SOD AND FERTILIZER
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TREE PROTECTION
- PROPOSED TREE (SEE TREE LEGEND ON SHEET 36)

**NOTES:**

1. INLET FILTERS SHALL BE USED FOR INLET AND PIPE PROTECTION AT CURB STRUCTURES.
2. ALL AREAS RECEIVING SODDING SHALL HAVE A SPADE EDGE ALONG THE EXISTING OR NEW TREES. PROVIDE A 5' DIAMETER RING FOR EACH TREE.
3. TREE PROTECTION INDICATED IS TREE TRUNK PROTECTION AND TREE ROOT PRUNING.



Plot#ed: 10/9/2017 7:48:52 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

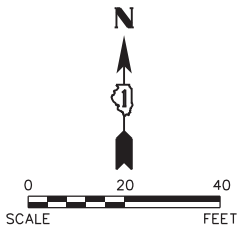
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=20'      SHEET NO. 3 OF 5 SHEETS      STA. 114+50 TO STA. 124+00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	38
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

Path: H:\S058\F09\EGT04\Final Eng\EGT04-PLAN\_2058C.dgn

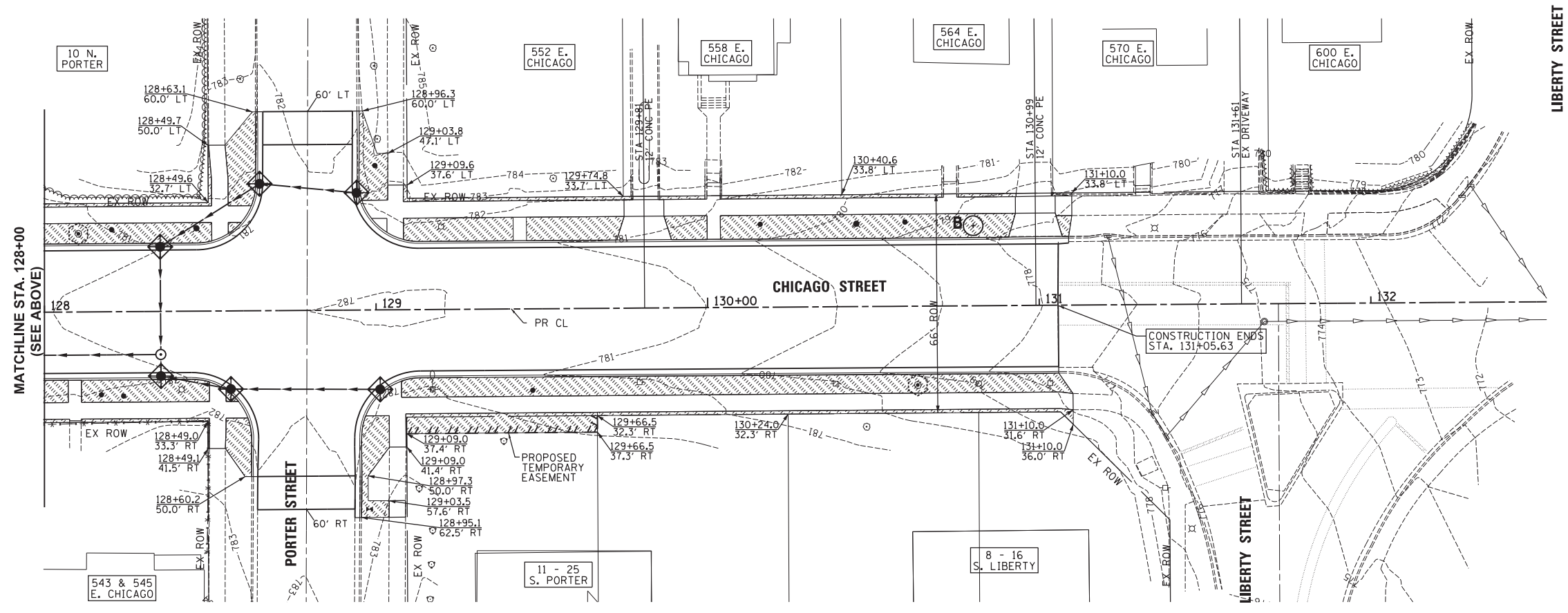
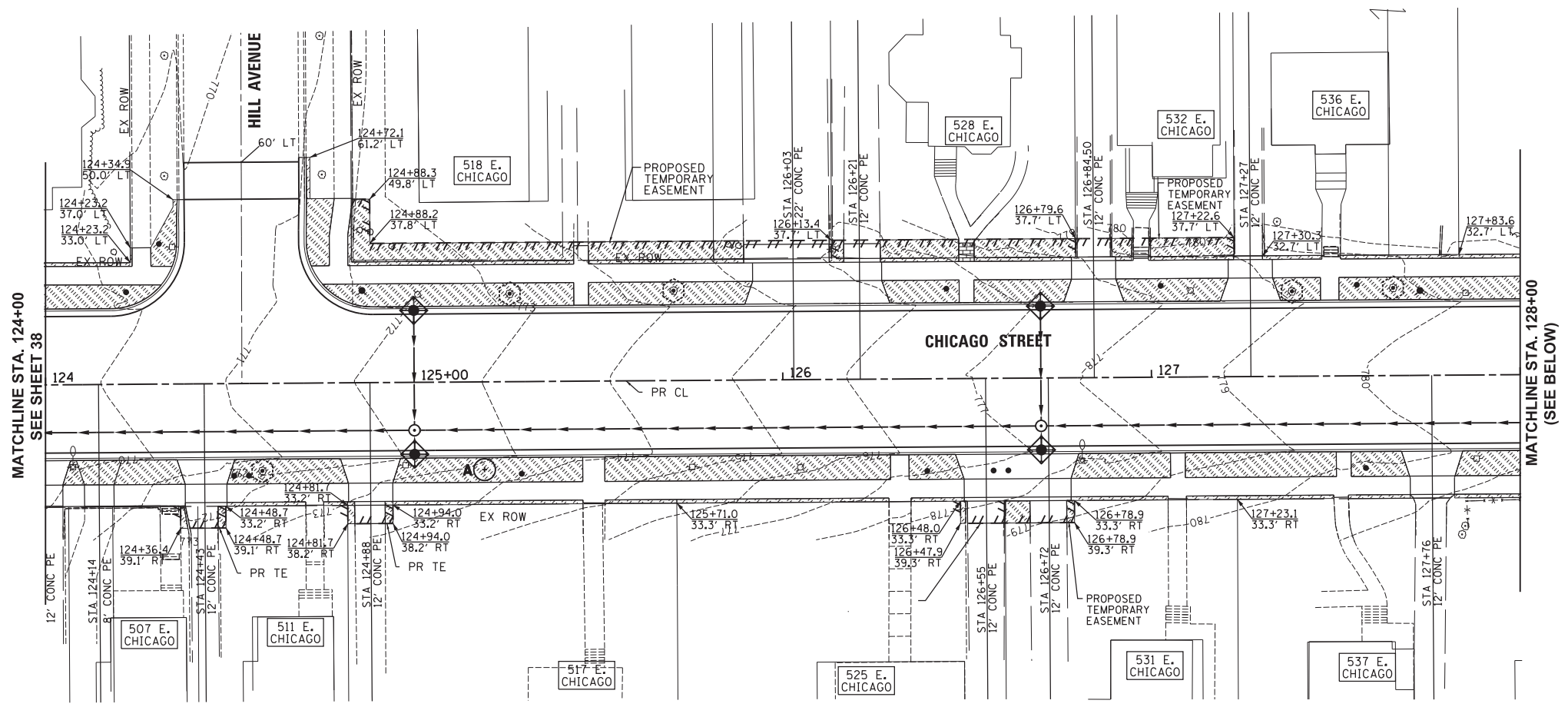


**LEGEND**

- TOPSOIL, 4" SOD AND FERTILIZER
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TREE PROTECTION
- PROPOSED TREE (SEE TREE LEGEND ON SHEET 36)

**NOTES:**

1. INLET FILTERS SHALL BE USED FOR INLET AND PIPE PROTECTION AT CURB STRUCTURES.
2. ALL AREAS RECEIVING SODDING SHALL HAVE A SPADE EDGE ALONG THE EXISTING OR NEW TREES. PROVIDE A 5' DIAMETER RING FOR EACH TREE.
3. TREE PROTECTION INDICATED IS TREE TRUNK PROTECTION AND TREE ROOT PRUNING.



Plot#ed: 10/9/2017 7:48:53 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

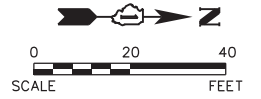
**CHICAGO STREET**  
**EROSION CONTROL AND LANDSCAPE PLAN**

SCALE: 1"=20'      SHEET NO. 4 OF 5 SHEETS      STA. 124+00 TO STA. 131+06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	39
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

Path: H:\SBSKProj\EG104\Final Eng\EG104-PLAN\_2018.dwg

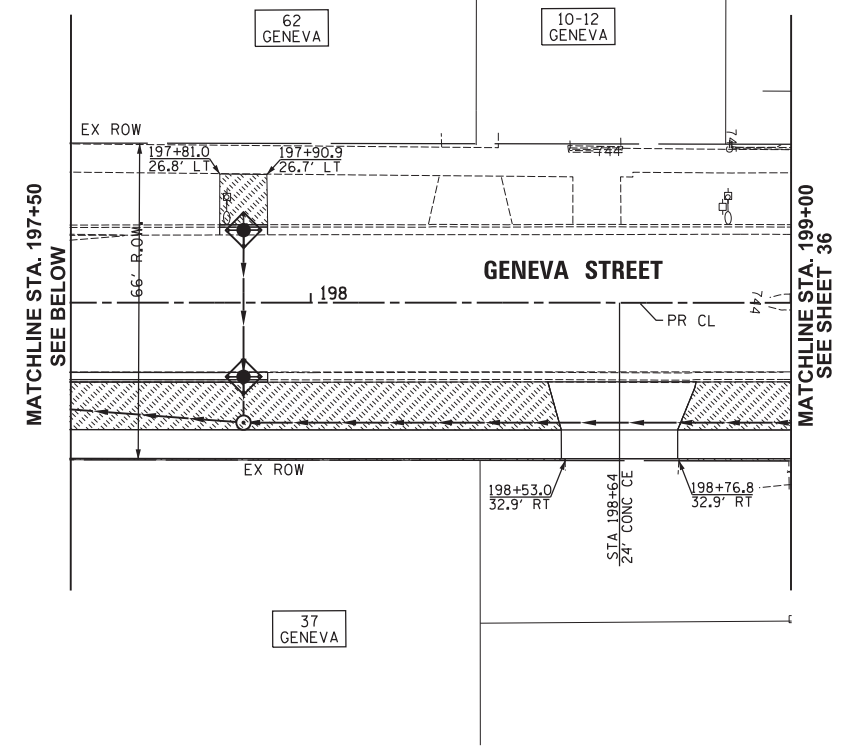
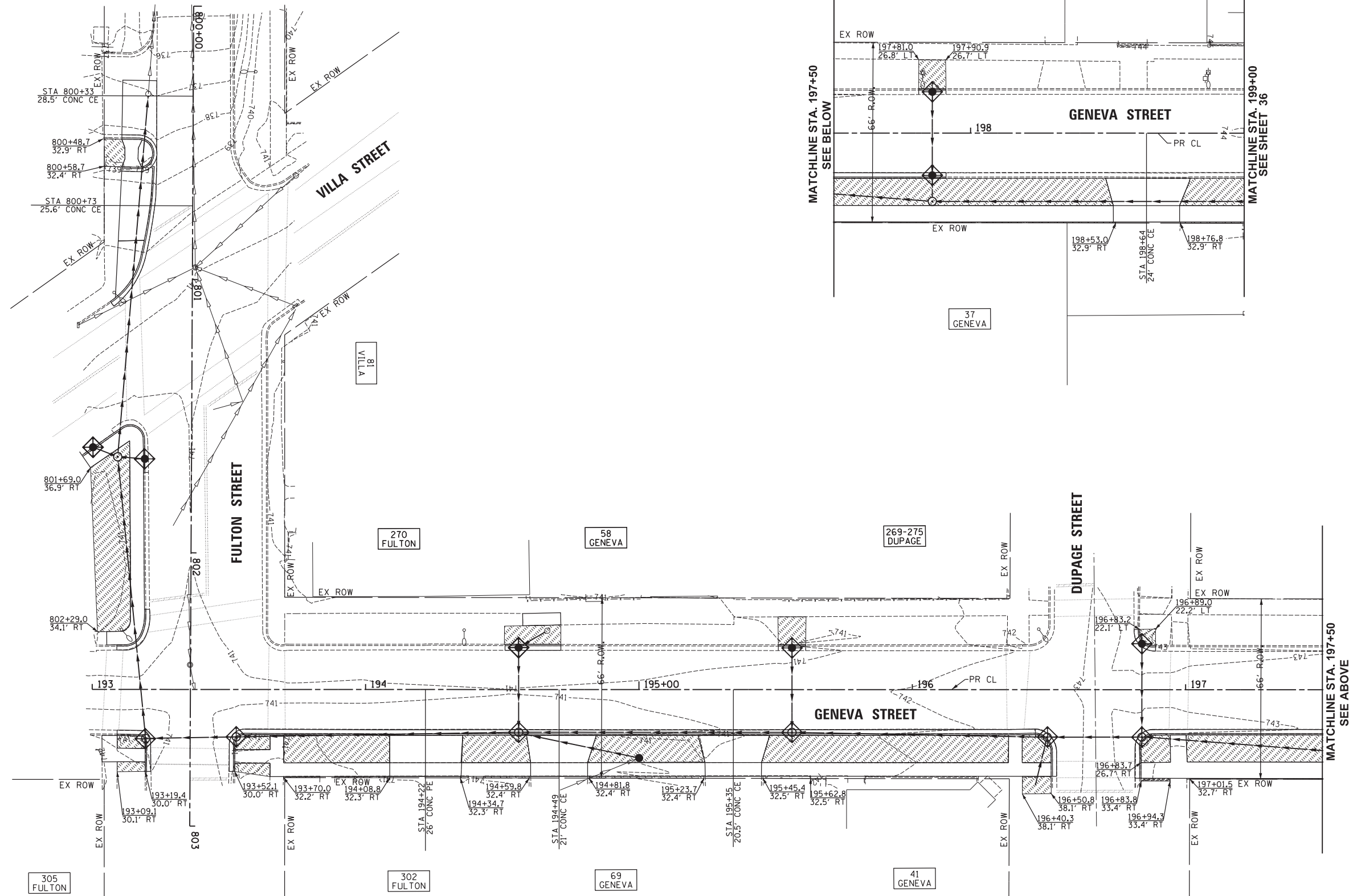




**LEGEND**

- TOPSOIL, 4" SOD AND FERTILIZER
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TREE PROTECTION
- PROPOSED TREE (SEE TREE LEGEND ON SHEET 36)

- NOTES:
1. INLET FILTERS SHALL BE USED FOR INLET AND PIPE PROTECTION AT CURB STRUCTURES.
  2. ALL AREAS RECEIVING SODDING SHALL HAVE A SPADE EDGE ALONG THE EXISTING OR NEW TREES. PROVIDE A 5' DIAMETER RING FOR EACH TREE.
  3. TREE PROTECTION INDICATED IS TREE TRUNK PROTECTION AND TREE ROOT PRUNING.



Plot: 10/9/2017 7:48:54 AM By: jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**EROSION CONTROL AND LANDSCAPE PLAN**  
**GENEVA STREET AND FULTON STREET**

SCALE: 1"=20'      SHEET NO. 5 OF 5 SHEETS      STA. 193+00 TO STA. 199+00

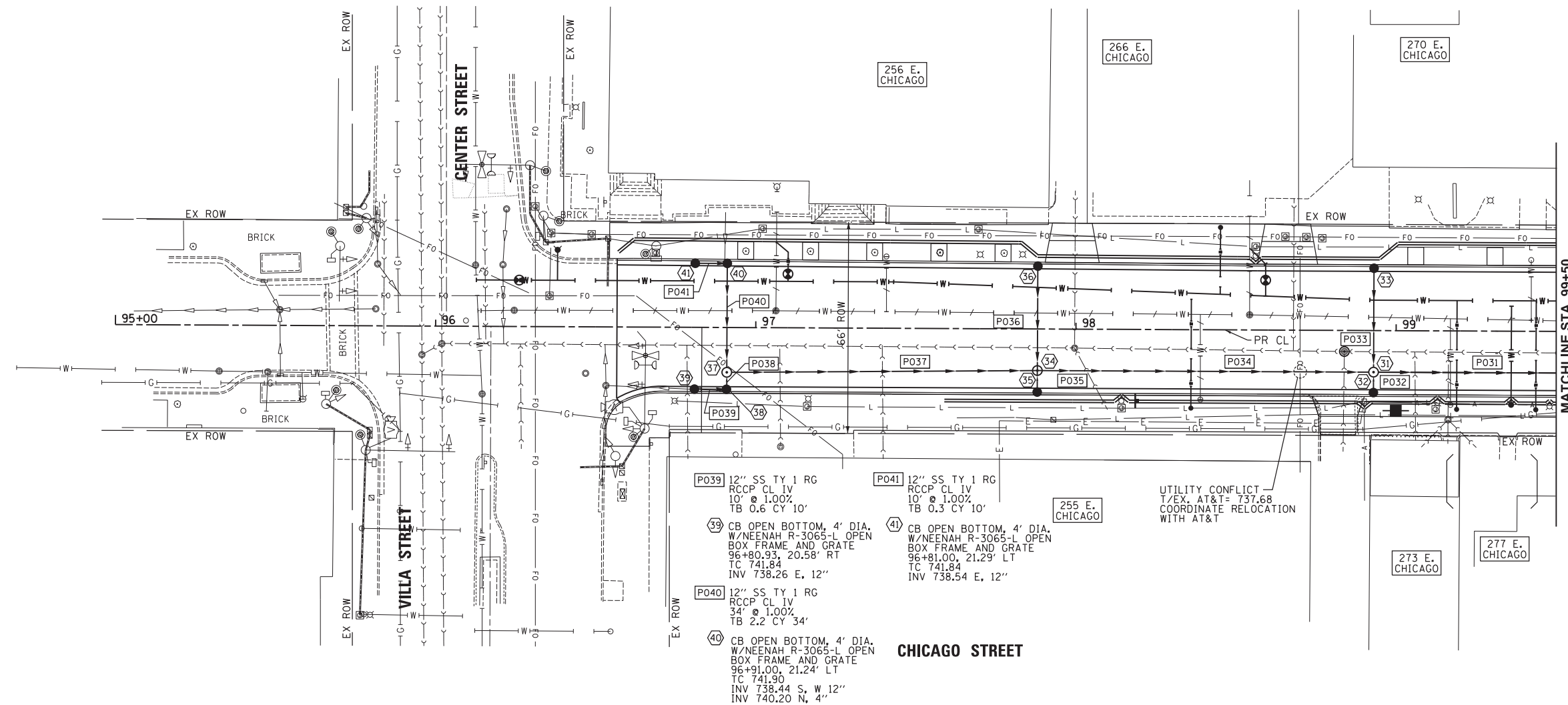
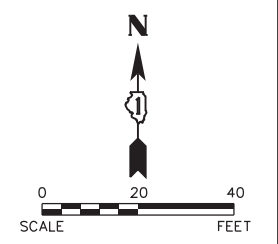
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	40
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\S058\Proj\EG104 Vign\Drawn Final Eng\EG104-PLAN 208C.dgn

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	PAID FILE NAME		

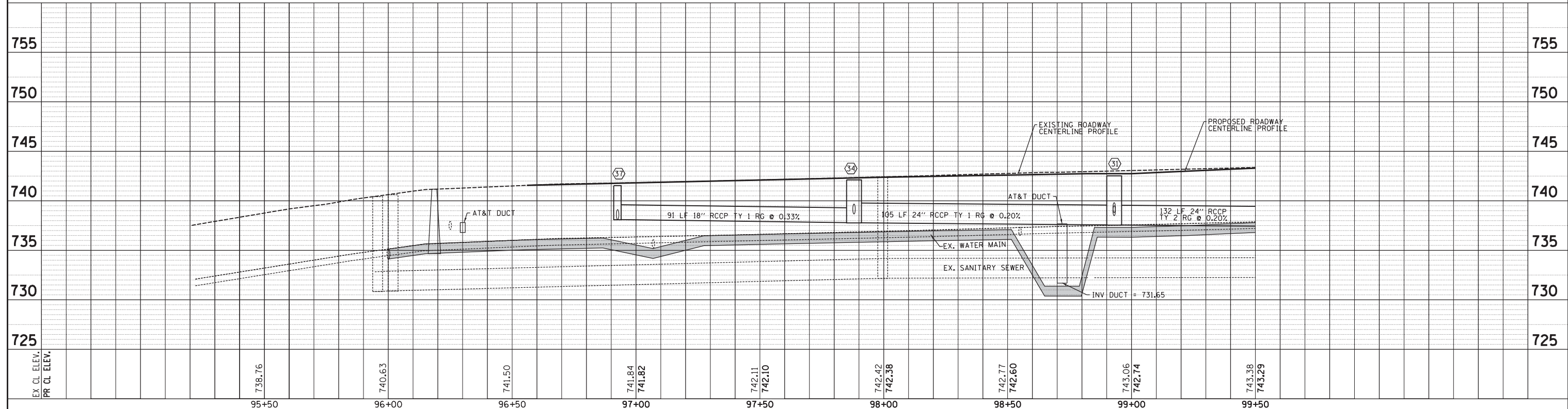
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHKD		

Plot#ed: 10/8/2018 5:08:39 PM By: Jschmidt



- P031 24" SS TY 2 RG RCCP CL IV 132' @ 0.20% TB 56.1 CY 132'
- 31 MH TY A, 4' DIA. W/NEENAH R-1712-C FRAME AND LID 98+93.00, 13.00' RT RIM 742.54 INV 738.80 S, 12" INV 738.55 N, 12" INV 737.57 E, W 24"
- P032 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 32 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-A OPEN BOX FRAME AND GRATE 98+93.00, 20.58' RT TC 742.87 INV 738.87 N, 12"
- P033 12" SS TY 1 RG RCCP CL IV 32' @ 1.00% TB 3.9 CY 32'
- 33 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-A OPEN BOX FRAME AND GRATE 98+93.00, 20.58' LT TC = 742.87 INV 738.87 S, 12"
- P034 24" SS TY 1 RG RCCP CL IV 105' @ 0.20% TB 17.4 CY 105'
- 34 MH TY A, 4' DIA. W/NEENAH R-1712-C FRAME AND LID 97+88.00, 13.00' RT RIM 742.11 INV 738.37 S, 12" INV 738.11 N, 12" INV 737.78 W, 18" INV 737.78 E, 24"
- P035 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 35 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 97+88.00, 20.50' RT TC 742.44 INV 738.44 N, 12"
- P036 12" SS TY 1 RG RCCP CL IV 33' @ 0.50% TB 4.1 CY 33'
- 36 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 97+88.00, 21.20' LT TC 742.44 INV 738.44 S, 12"
- P037 18" SS TY 1 RG RCCP CL IV 97' @ 0.33% TB 10.4 CY 97'
- 37 MH TY A, 4' DIA. W/NEENAH R-1712-C FRAME AND LID 96+91.00, 14.00' RT RIM 741.56 INV 738.10 S, 12" INV 738.10 N, 12" INV 738.10 E, 18"
- P038 12" SS TY 1 RG RCCP CL IV 6' @ 1.00% TB 0.5 CY 6'
- 38 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 96+91.00, 20.58' RT TC 741.90 INV 738.16 N, W 12"

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>STORM SEWER PLAN AND PROFILE</b>		F.A.U. R.E. 1321	SECTION 12-00183-00-PV	COUNTY KANE	TOTAL SHEETS 128	SHEET NO. 41
		DRAWN -	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 11 SHEETS	STA. 95+00	TO STA. 99+50	CONTRACT NO. 61E15 ILLINOIS FED. AID PROJECT		
		CHECKED -	REVISED -								
		DATE -	REVISED -								

PLAN	SURVEYED	DATE
NO.	BY	
NO.	DATE	
NO.	DATE	
NO.	DATE	

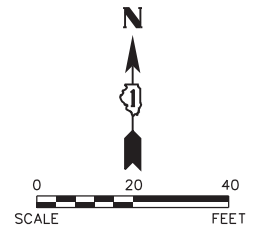
PROF. ILE	SURVEYED	DATE
NO.	BY	
NO.	DATE	
NO.	DATE	
NO.	DATE	

Plot#ed: 10/9/2018 7:32:46 AM By: jasmchid

MATCHLINE STA. 99+50  
SEE SHEET 41

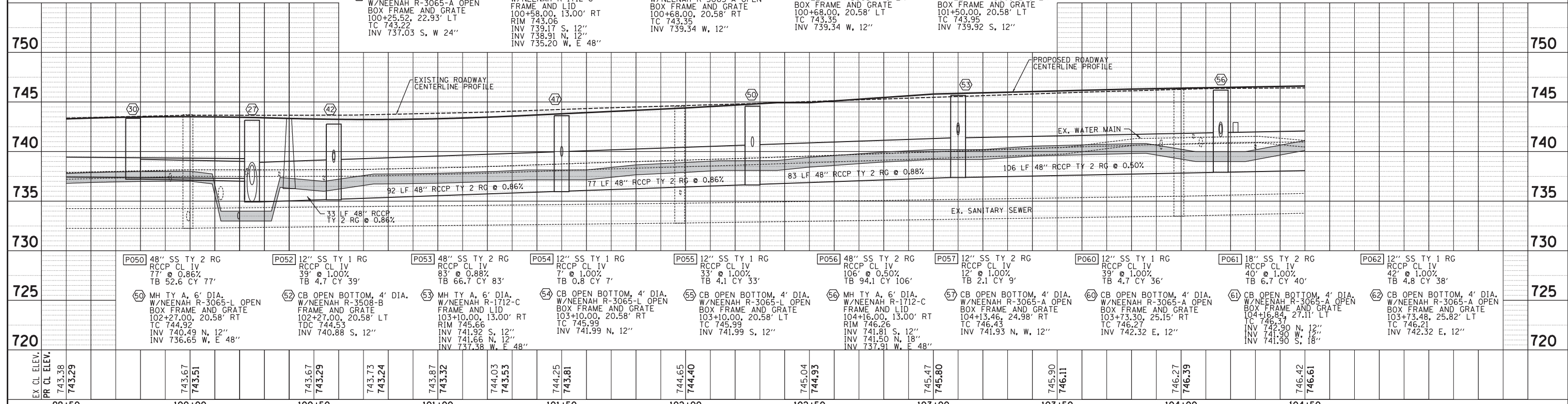
MATCHLINE STA. 199+00, SEE SHEET 51

MATCHLINE STA. 104+50, SEE SHEET 43



- P024 48" SS TY 2 RG  
RCCP CL IV  
180' @ 0.50%  
TB 238.0 CY 180'
- 24 MH TY A, 6' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
100+24.97, 33.76' RT  
RIM 743.62  
INV 739.19 W, 12"  
INV 734.81 S, N 48"
- P025 12" SS TY 2 RG  
RCCP CL IV  
10' @ 1.00%  
TB 1.6 CY 10'
- 25 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
100+17.21, 33.79' RT  
TC 743.48  
INV 739.29 E, W 12"
- P026 12" SS TY 1 RG  
RCCP CL IV  
31' @ 1.00%  
TB 3.3 CY 31'
- 26 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
99+83.28, 33.80' RT  
TC 743.60  
INV 739.60 E, 12"

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



- P050 48" SS TY 2 RG  
RCCP CL IV  
77' @ 0.86%  
TB 52.6 CY 77'
- 50 MH TY A, 6' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
102+27.00, 20.58' RT  
TC 744.92  
INV 740.49 N, 12"  
INV 736.65 W, E 48"
- P052 12" SS TY 1 RG  
RCCP CL IV  
39' @ 1.00%  
TB 4.7 CY 39'
- 52 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3508-B  
FRAME AND GRATE  
102+27.00, 20.58' LT  
TDC 744.53  
INV 740.88 S, 12"
- P053 48" SS TY 2 RG  
RCCP CL IV  
83' @ 0.88%  
TB 66.7 CY 83'
- 53 MH TY A, 6' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
103+10.00, 13.00' RT  
RIM 745.66  
INV 741.92 S, 12"  
INV 741.66 W, 12"  
INV 737.38 W, E 48"
- P054 12" SS TY 1 RG  
RCCP CL IV  
7' @ 1.00%  
TB 0.8 CY 7'
- 54 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
103+10.00, 20.58' RT  
TC 745.99  
INV 741.99 N, 12"
- P055 12" SS TY 1 RG  
RCCP CL IV  
33' @ 1.00%  
TB 4.1 CY 33'
- 55 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
103+10.00, 20.58' LT  
TC 745.99  
INV 741.99 S, 12"
- P056 48" SS TY 2 RG  
RCCP CL IV  
106' @ 0.50%  
TB 94.1 CY 106'
- 56 MH TY A, 6' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
104+16.00, 13.00' RT  
RIM 746.26  
INV 741.81 S, 12"  
INV 741.50 N, 18"  
INV 737.91 W, E 48"
- P057 12" SS TY 2 RG  
RCCP CL IV  
12' @ 1.00%  
TB 2.1 CY 9'
- 57 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
104+13.46, 24.98' RT  
TC 746.43  
INV 741.93 N, W, 12"
- P060 12" SS TY 1 RG  
RCCP CL IV  
39' @ 1.00%  
TB 4.7 CY 36'
- 60 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
103+73.30, 25.15' RT  
TC 746.27  
INV 742.32 E, 12"
- P061 18" SS TY 2 RG  
RCCP CL IV  
40' @ 1.00%  
TB 6.7 CY 40'
- 61 W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
104+16.84, 27.11' LT  
TC 746.37  
INV 741.90 W, 12"  
INV 741.90 S, 18"
- P062 12" SS TY 1 RG  
RCCP CL IV  
42' @ 1.00%  
TB 4.8 CY 38'
- 62 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
103+73.48, 25.82' LT  
TC 746.21  
INV 742.32 E, 12"

EX. CL. ELEV.	PR. CL. ELEV.	743.38	743.29	743.67	743.51	743.73	743.24	743.87	743.32	744.03	743.53	744.25	743.81	744.65	744.40	745.04	744.93	745.47	745.80	745.90	746.11	746.27	746.39	746.42	746.61	
99+50	100+00	100+50	101+00	101+50	102+00	102+50	103+00	103+50	104+00	104+50																

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eelweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STORM SEWER PLAN AND PROFILE**  
SCALE: 1"=20'  
SHEET NO. 2 OF 11 SHEETS  
STA. 99+50 TO STA. 104+50

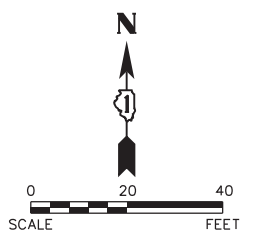
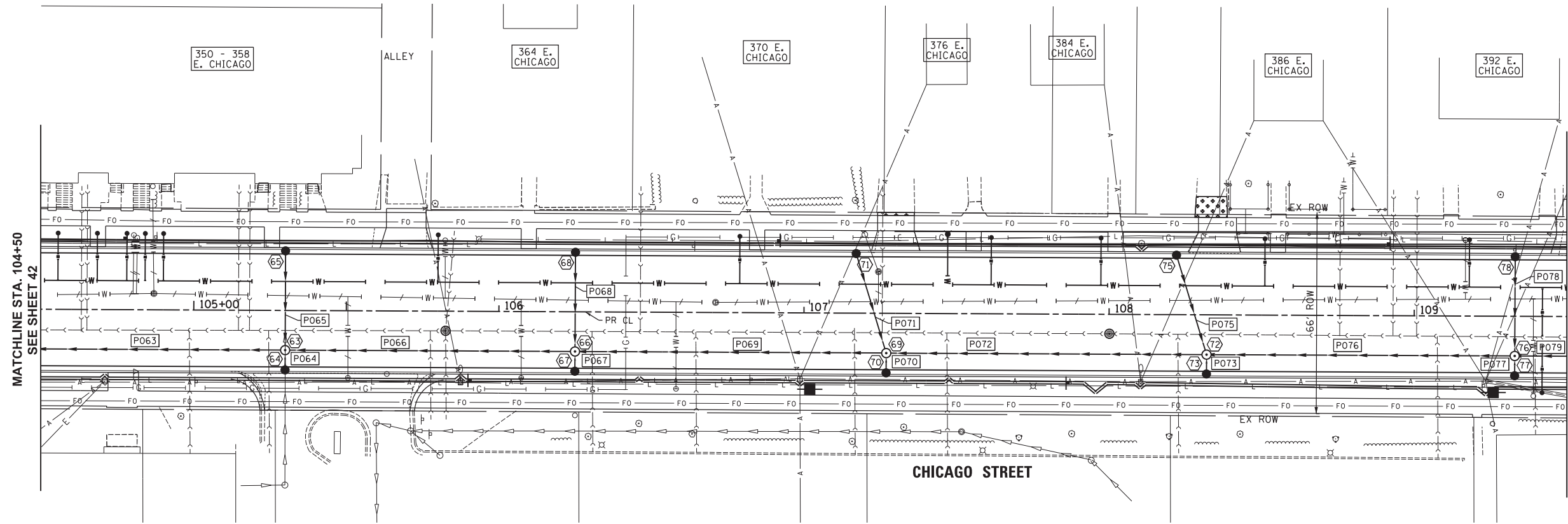
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	42
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\10104\Drawn\Final Eng\10104-P-1P-STORM DRAINAGE.dgn

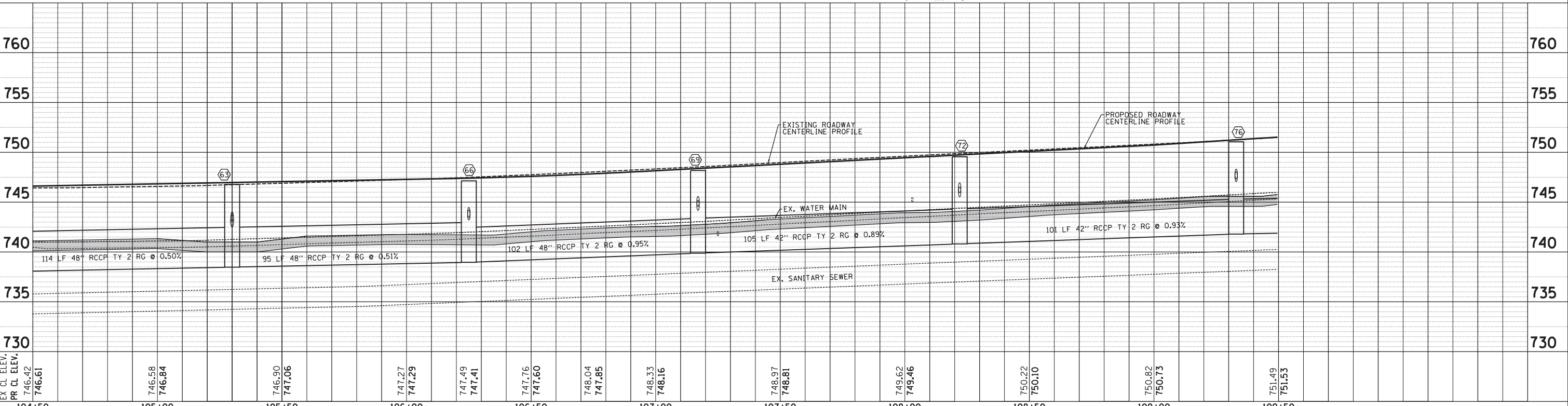
PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	BY		
	DATE		

Plot: 10/9/2018 7:32:47 AM By: Jschmidt



- P069 42" SS TY 2 RG RCCP CL IV 102' @ 0.95% TB 97.1 CY 102'
- P070 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- P071 12" SS TY 1 RG RCCP CL IV 34' @ 1.00% TB 4.4 CY 34'
- P072 42" SS TY 2 RG RCCP CL IV 105' @ 0.89% TB 108.0 CY 105'
- P073 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- P075 12" SS TY 1 RG RCCP CL IV 34' @ 1.00% TB 4.4 CY 34'
- P076 42" SS TY 2 RG RCCP CL IV 101' @ 0.93% TB 115.8 CY 101'
- P077 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- P078 12" SS TY 1 RG RCCP CL IV 33' @ 1.00% TB 4.1 CY 33'
- 69 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 107+27.00, 13.00' RT RIM 748.31 INV 744.57 S, 12" INV 744.17 N, 12" INV 739.93 W, E 42"
- 70 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 107+27.00, 20.58' RT TC 748.64 INV 744.64 N, 12"
- 71 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 107+17.00, 20.58' LT TC 748.51 INV 744.51 S, 12"
- 72 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND GRATE 108+32.00, 13.00' RT RIM 749.68 INV 745.94 S, 12" INV 745.53 N, 12" INV 740.86 W, E 42"
- 73 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 108+32.00, 20.58' RT TC 750.01 INV 746.01 N, 12"
- 75 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 108+22.00, 20.58' LT TC 749.87 INV 745.87 S, 12"
- 76 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 109+33.00, 13.00' RT RIM 751.06 INV 747.32 S, 12" INV 747.06 N, 12" INV 741.80 W, E 42"
- 77 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 109+33.00, 20.58' RT TC 751.39 INV 747.39 N, 12"
- 78 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 109+33.00, 20.58' LT TC 751.39 INV 747.39 S, 12"
- P063 48" SS TY 2 RG RCCP CL IV 114' @ 0.50% TB 101.4 CY 114'
- 63 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 105+30.00, 13.00' RT RIM 746.77 INV 743.03 S, 12" INV 742.52 N, 15" INV 738.48 W, E 48"
- P064 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 64 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3508-B FRAME AND GRATE 105+30.00, 20.58' RT TDC 746.72 INV 743.10 N, 12" INV S, CONNECT TO EX. FIELD VERIFY
- P065 15" SS TY 1 RG RCCP CL IV 33' @ 1.00% TB 4.5 CY 33'
- 65 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 105+30.00, 20.58' LT TC 747.10 INV 742.85 S, 15"
- P066 48" SS TY 2 RG RCCP CL IV 95' @ 0.51% TB 83.1 CY 95'
- 66 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 106+25.00, 13.00' RT RIM 747.21 INV 743.47 S, 12" INV 743.21 N, 12" INV 738.96 E, 42" INV 738.96 W, E 48"
- P067 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 67 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 106+25.00, 20.58' RT TC 747.54 INV 743.54 N, 12"
- P068 12" SS TY 1 RG RCCP CL IV 33' @ 1.00% TB 4.1 CY 33'
- 68 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 106+25.00, 20.58' LT TC 747.54 INV 743.54 S, 12"



EX CL ELEV.	746.42	746.61	746.58	746.84	746.90	747.06	747.27	747.29	747.49	747.41	747.76	747.60	748.04	747.85	748.33	748.16	748.97	748.81	749.62	749.46	750.22	750.10	750.82	750.73	751.49	751.53	
PR CL ELEV.	746.42	746.61	746.58	746.84	746.90	747.06	747.27	747.29	747.49	747.41	747.76	747.60	748.04	747.85	748.33	748.16	748.97	748.81	749.62	749.46	750.22	750.10	750.82	750.73	751.49	751.53	
STATION	104+50	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50																

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

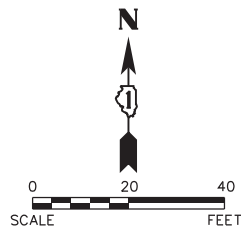
**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STORM SEWER PLAN AND PROFILE**  
SCALE: 1"=20'  
SHEET NO. 3 OF 11 SHEETS  
STA. 104+50 TO STA. 109+50

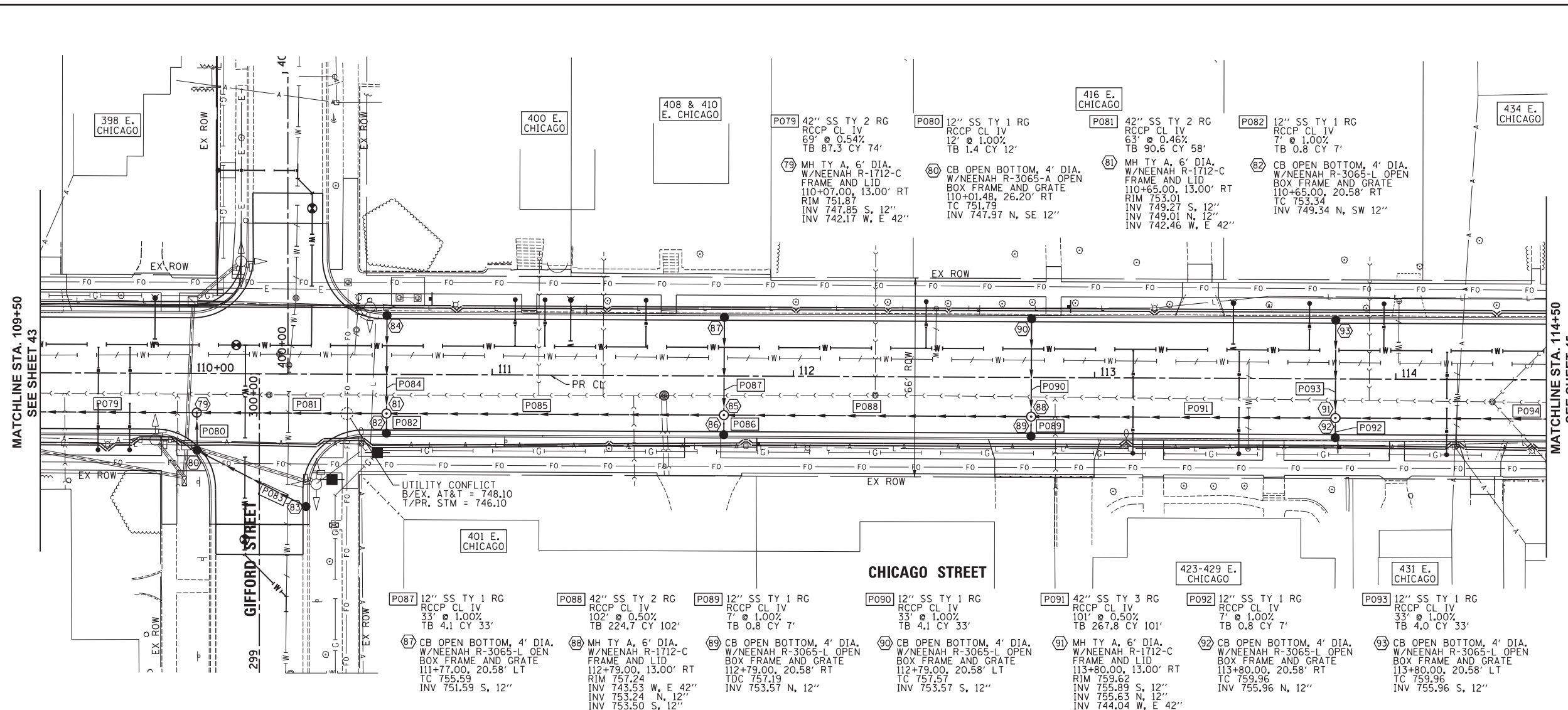
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	43
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	PAID FILE NAME	

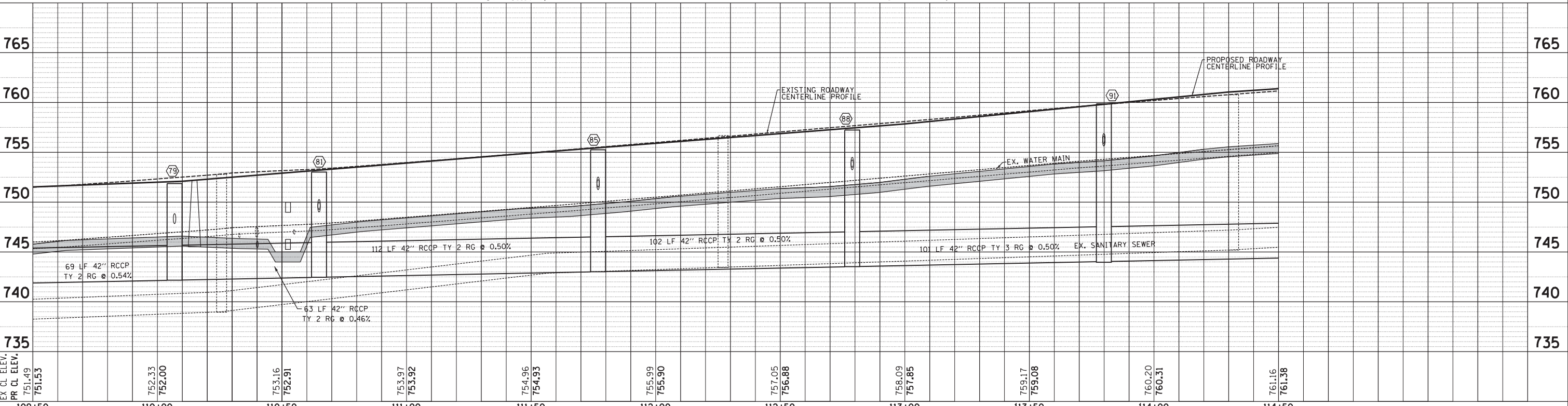
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	STRUCTURE NOTATIONS CHFD	

Plot#ed: 10/8/2018 5:08:41 PM By: Jschmidt



- P079 42" SS TY 2 RG RCCP CL IV 69' @ 0.54% TB 87.3 CY 74'
- 79 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 110+07.00, 13.00' RT RIM 751.87 INV 747.85 S, 12" INV 742.17 W, E 42"
- P080 12" SS TY 1 RG RCCP CL IV 12' @ 1.00% TB 1.4 CY 12'
- 80 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-A OPEN BOX FRAME AND GRATE 110+01.48, 26.20' RT TC 751.79 INV 747.97 N, SE 12"
- P081 42" SS TY 2 RG RCCP CL IV 63' @ 0.46% TB 90.6 CY 58'
- 81 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 110+65.00, 13.00' RT RIM 753.01 INV 749.27 S, 12" INV 749.01 N, 12" INV 742.46 W, E 42"
- P082 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 82 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 110+65.00, 20.58' RT TC 753.34 INV 749.34 N, SW 12"
- P083 12" SS TY 1 RG RCCP CL IV 40' @ 1.33% TB 3.4 CY 40'
- 83 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-A OPEN BOX FRAME AND GRATE 110+39.46, 41.53' RT TC 752.45 INV 748.51 NW, 12"
- P084 12" SS TY 1 RG RCCP CL IV 33' @ 1.00% TB 4.1 CY 33'
- 84 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 110+65.01, 20.56' LT TC 753.34 INV 749.34 S, 12"
- P085 42" SS TY 2 RG RCCP CL IV 112' @ 0.50% TB 199.2 CY 112'
- 85 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 111+77.00, 13.00' RT RIM 755.26 INV 751.52 S, 12" INV 751.26 N, 12" INV 743.02 W, E 42"
- P086 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 86 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 111+77.00, 20.58' RT TC 755.59 INV 751.59 N, 12"
- P087 12" SS TY 1 RG RCCP CL IV 33' @ 1.00% TB 4.1 CY 33'
- 87 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 111+77.00, 20.58' LT TC 755.59 INV 751.59 S, 12"
- P088 42" SS TY 2 RG RCCP CL IV 102' @ 0.50% TB 224.7 CY 102'
- 88 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 112+79.00, 13.00' RT RIM 751.24 INV 743.53 W, E 42" INV 753.24 N, 12" INV 753.50 S, 12"
- P089 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 89 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 112+79.00, 20.58' RT TC 751.19 INV 753.57 N, 12"
- P090 12" SS TY 1 RG RCCP CL IV 33' @ 1.00% TB 4.1 CY 33'
- 90 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 112+79.00, 20.58' LT TC 751.19 INV 753.57 S, 12"
- P091 42" SS TY 3 RG RCCP CL IV 101' @ 0.50% TB 267.8 CY 101'
- 91 MH TY A, 6' DIA. W/NEENAH R-1712-C FRAME AND LID 113+80.00, 13.00' RT RIM 759.62 INV 755.89 S, 12" INV 755.63 N, 12" INV 744.04 W, E 42"
- P092 12" SS TY 1 RG RCCP CL IV 7' @ 1.00% TB 0.8 CY 7'
- 92 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 113+80.00, 20.58' RT TC 759.96 INV 755.96 N, 12"
- P093 12" SS TY 1 RG RCCP CL IV 33' @ 1.00% TB 4.0 CY 33'
- 93 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-L OPEN BOX FRAME AND GRATE 113+80.00, 20.58' LT TC 759.96 INV 755.96 S, 12"

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



EX CL ELEV.	751.53	752.33	752.00	753.16	752.91	753.97	753.92	754.96	754.93	755.99	755.90	757.05	756.88	758.09	757.85	759.17	759.08	760.20	760.31	761.16	761.38
PR CL ELEV.	751.49																				
STATION	109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50										

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STORM SEWER PLAN AND PROFILE**  
SCALE: H'=20'  
SHEET NO. 4 OF 11 SHEETS  
STA. 109+50 TO STA. 114+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	44
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

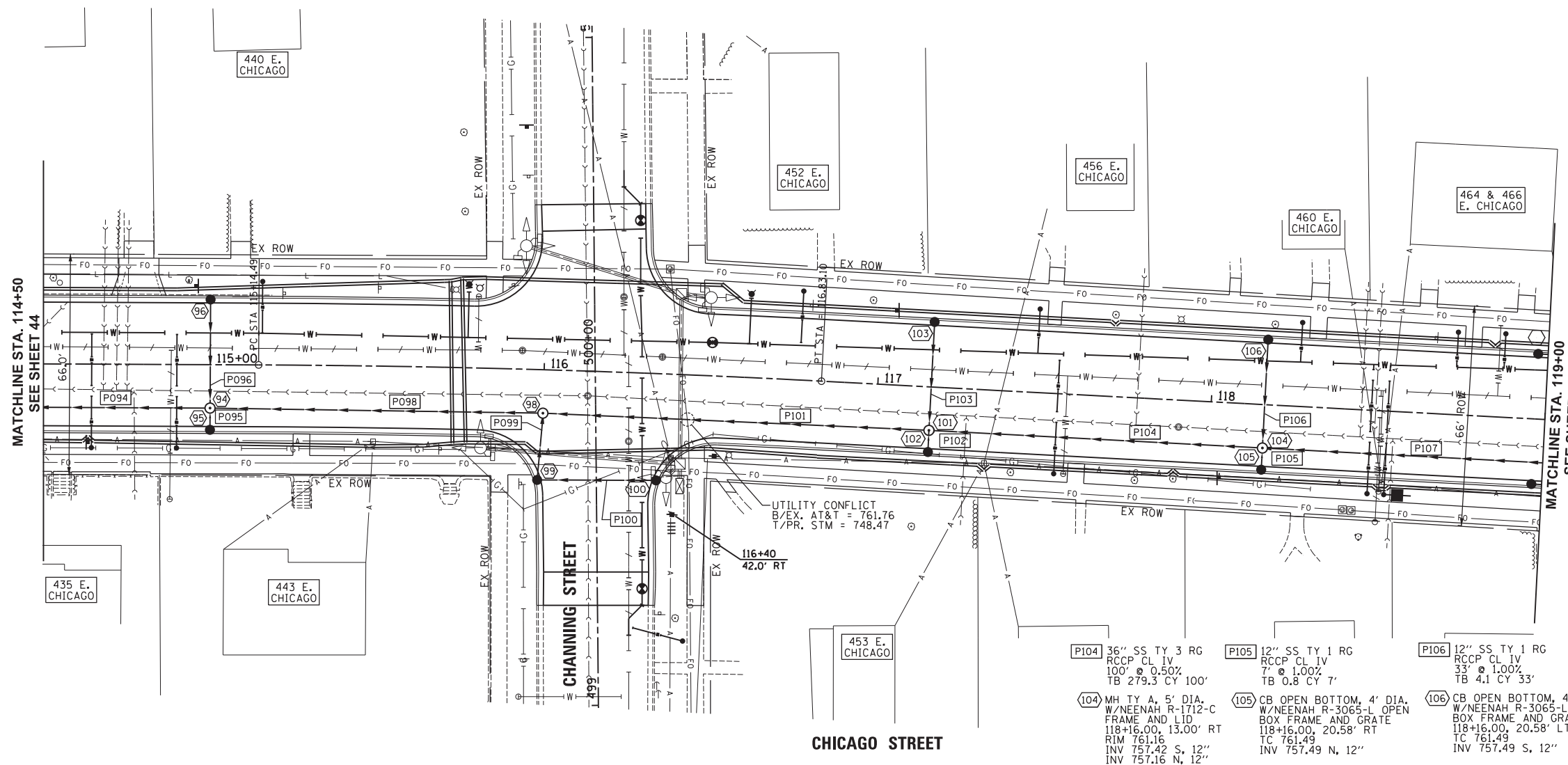
PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	BY		
	DATE		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	BY		
	DATE		
	NOTATIONS		

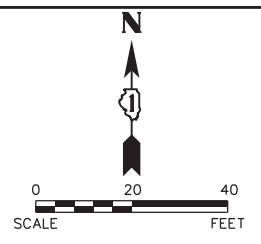
Plot: 10/8/2018 5:08:42 PM By: Jschmidt

MATCHLINE STA. 114+50  
SEE SHEET 44

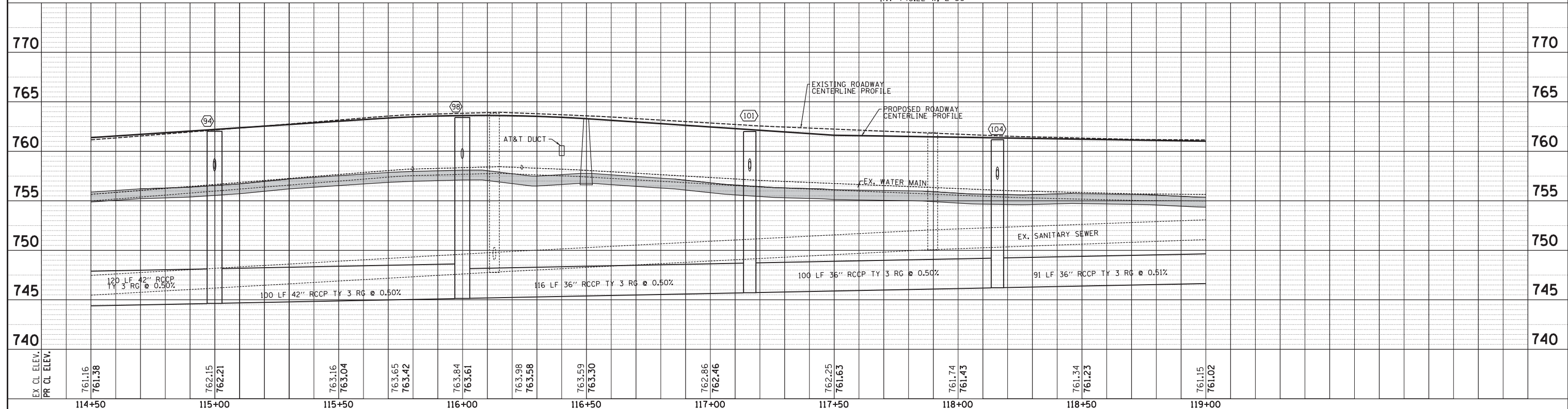
MATCHLINE STA. 119+00  
SEE SHEET 46



- P094 42" SS TY 3 RG  
RCCP CL IV  
120' @ 0.50%  
TB 377.2 CY 120'
- 94 MH TY A, 6' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
115+00.00, 13.00' RT  
RIM 762.01  
INV 758.27 S, 12"  
INV 758.01 N, 12"  
INV 744.64 W, E 42"
- P095 12" SS TY 1 RG  
RCCP CL IV  
7' @ 1.00%  
TB 0.8 CY 7'
- 95 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
115+00.00, 20.58' RT  
TC 762.34  
INV 758.34 N, 12"
- P096 12" SS TY 1 RG  
RCCP CL IV  
33' @ 1.00%  
TB 4.1 CY 33'
- 96 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
115+00.00, 20.58' LT  
TC 762.34  
INV 758.34 S, 12"
- P098 42" SS TY 3 RG  
RCCP CL IV  
100' @ 0.50%  
TB 350.4 CY 100'
- 98 MH TY A, 6' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
116+00.00, 13.00' RT  
RIM 763.41  
INV 759.28 S, 12"  
INV 745.14 E, 36"  
INV 745.14 W, 42"
- P099 12" SS TY 1 RG  
RCCP CL IV  
20' @ 1.00%  
TB 2.9 CY 20'
- 99 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
115+97.90, 33.42' RT  
TC 763.81  
INV 759.48 N, E 12"
- P100 12" SS TY 1 RG  
RCCP CL IV  
116' @ 0.50%  
TB 371.7 CY 116'
- 100 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
117+16.00, 13.00' RT  
RIM 761.99  
INV 758.25 S, 12"  
INV 757.99 N, 12"  
INV 745.72 W, E 36"
- P101 36" SS TY 3 RG  
RCCP CL IV  
116' @ 0.50%  
TB 371.7 CY 116'
- 101 MH TY A, 5' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
117+16.00, 13.00' RT  
RIM 761.99  
INV 758.25 S, 12"  
INV 757.99 N, 12"  
INV 745.72 W, E 36"
- P102 12" SS TY 1 RG  
RCCP CL IV  
7' @ 1.00%  
TB 0.8 CY 7'
- 102 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
117+16.00, 20.58' RT  
TC 762.32  
INV 758.32 N, 12"
- P103 12" SS TY 1 RG  
RCCP CL IV  
33' @ 1.00%  
TB 4.1 CY 33'
- 103 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
117+16.00, 20.58' LT  
TC 762.32  
INV 758.32 S, 12"
- P104 36" SS TY 3 RG  
RCCP CL IV  
100' @ 0.50%  
TB 279.3 CY 100'
- 104 MH TY A, 5' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
118+16.00, 13.00' RT  
RIM 761.16  
INV 757.42 S, 12"  
INV 757.16 N, 12"  
INV 746.22 W, E 36"
- P105 12" SS TY 1 RG  
RCCP CL IV  
7' @ 1.00%  
TB 0.8 CY 7'
- 105 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
118+16.00, 20.58' RT  
TC 761.49  
INV 757.49 N, 12"
- P106 12" SS TY 1 RG  
RCCP CL IV  
33' @ 1.00%  
TB 4.1 CY 33'
- 106 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
118+16.00, 20.58' LT  
TC 761.49  
INV 757.49 S, 12"



SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



EX. CL. ELEV.	PR. CL. ELEV.	761.16	761.38	762.15	762.21	763.16	763.04	763.65	763.42	763.84	763.61	763.98	763.58	763.59	763.30	762.86	762.46	762.25	761.63	761.74	761.43	761.34	761.23	761.15	761.02	
114+50				115+00		115+50		116+00		116+50		117+00		117+50		118+00		118+50		119+00						

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

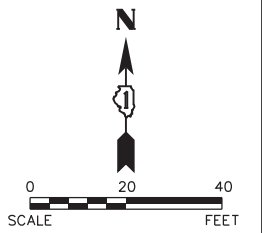
DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STORM SEWER PLAN AND PROFILE**  
SCALE: 1"=20'  
SHEET NO. 5 OF 8 SHEETS  
STA. 114+50 TO STA. 119+00

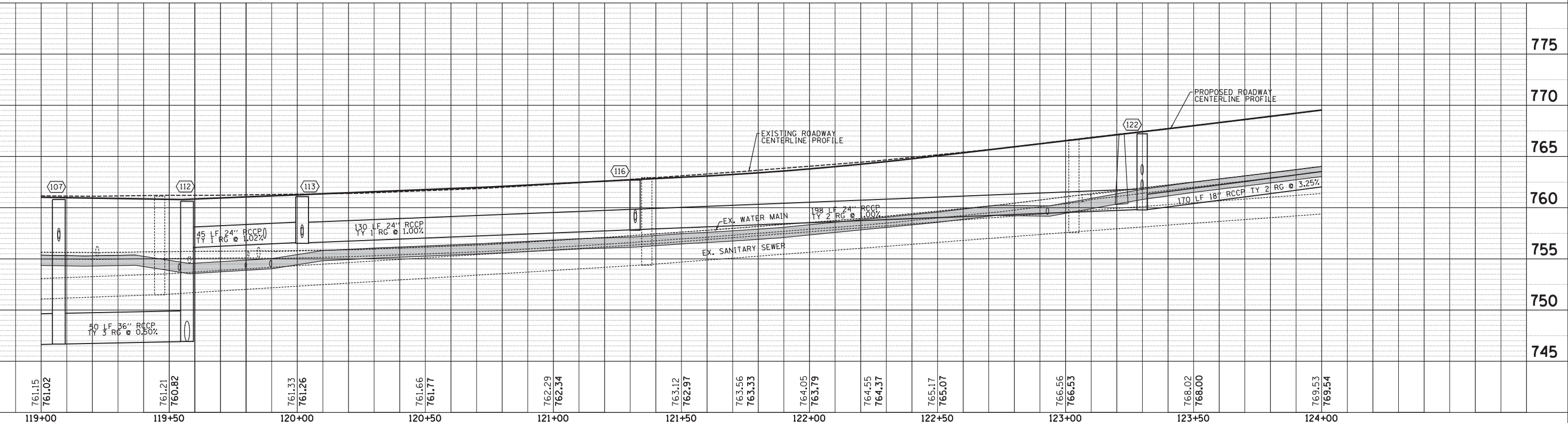
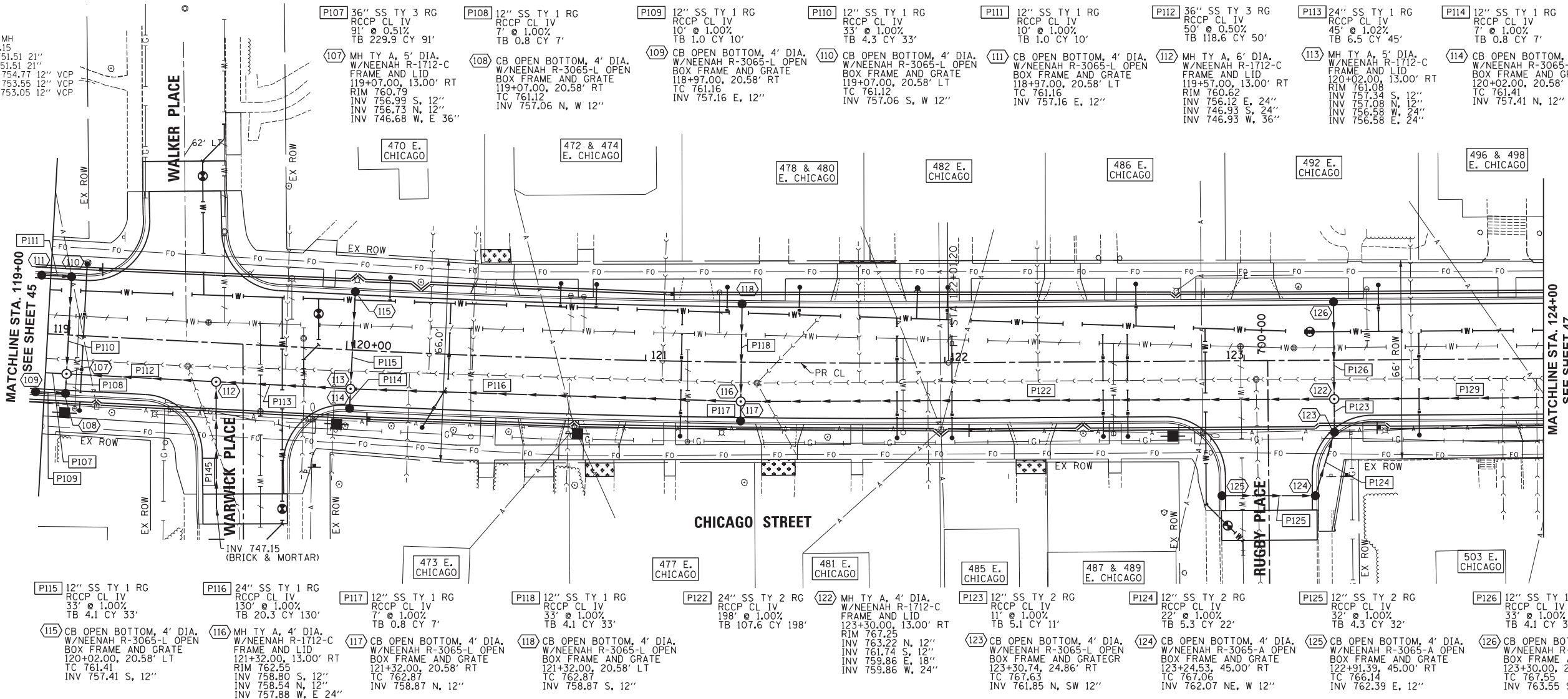
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	45
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

SANITARY MH  
RIM = 761.15  
INV W = 751.51 21"  
INV E = 751.51 21"  
INV SW = 754.77 12" VCP  
INV NW = 753.55 12" VCP  
INV NE = 753.05 12" VCP



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	BY	
	DATE	



SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STORM SEWER PLAN AND PROFILE**

SCALE: 1"=20'    SHEET NO. 6 OF 11 SHEETS    STA. 119+00 TO STA. 124+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	46
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

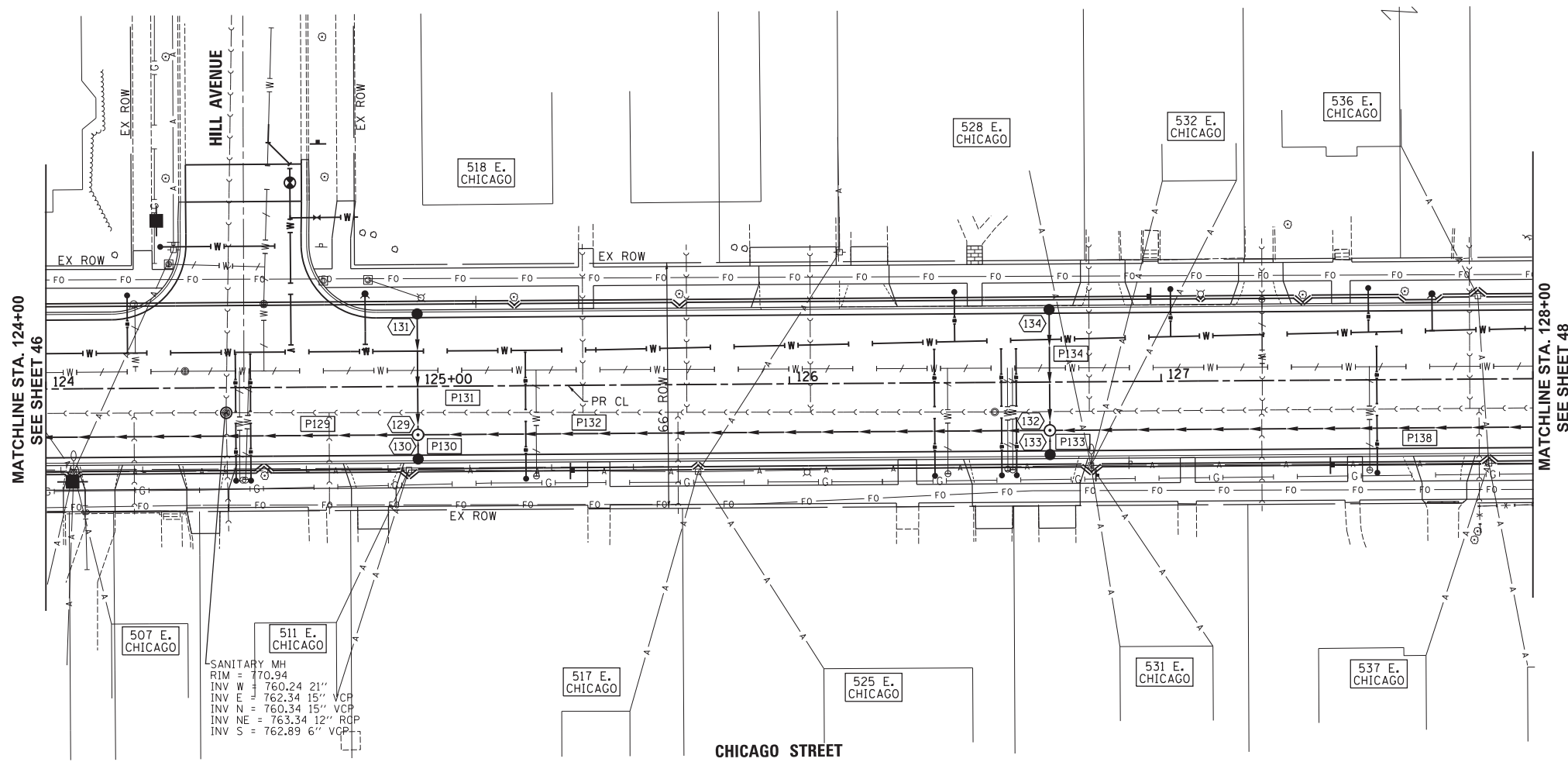
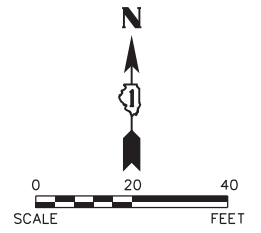
Plot#ed: 10/8/2018 5:08:43 PM By: Jschmidt

Path: H:\SBSKProj\12104\Drawn\Final Eng\12104-P-11 STORM DRAINAGE.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	PAID FILE NAME	
	NO.	

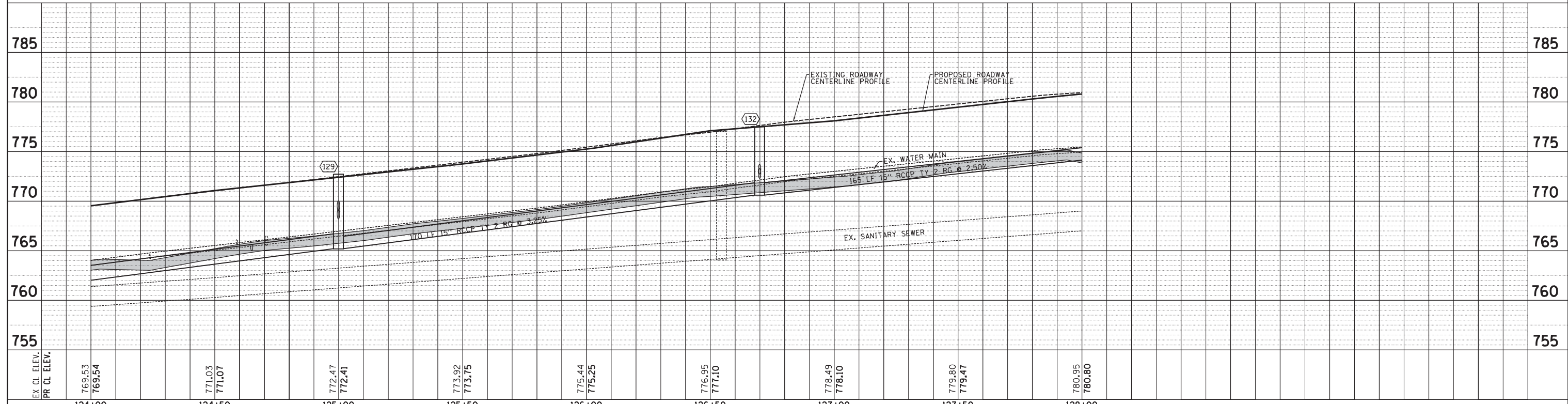
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS CIPD	
	NO.	

Plot#ed: 10/8/2018 5:08:43 PM By: Jschmidt



- P129 18" SS TY 2 RG  
RCCP CL IV  
170' @ 3.25%  
TB 135.8 CY 170'
- (129) MH TY A, 4' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
125+00.00, 13.00' RT  
RIM 772.61  
INV 769.03 S, 12"  
INV 768.21 N, 12"  
INV 765.39 E, 15"  
INV 765.39 W, 18"
- P130 12" SS TY 1 RG  
RCCP CL IV  
7' @ 1.00%  
TB 0.7 CY 7'
- (130) CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
125+00.00, 20.58' RT  
TC 773.10  
INV 769.10 N, 12"
- P131 12" SS TY 2 RG  
RCCP CL IV  
33' @ 1.00%  
TB 4.7 CY 33'
- (131) CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
125+00.00, 20.58' LT  
TC 772.54  
INV 768.54 S, 12"
- P132 15" SS TY 2 RG  
RCCP CL IV  
170' @ 3.25%  
TB 125.1 CY 170'
- (132) MH TY A, 4' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
126+70.00, 13.00' RT  
RIM 777.10  
INV 773.72 S, 12"  
INV 773.30 N, 12"  
INV 770.92 W, E 15"
- P133 12" SS TY 1 RG  
RCCP CL IV  
7' @ 1.00%  
TB 0.9 CY 7'
- (133) CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3508-B  
FRAME AND GRATE  
126+70.00, 20.58' RT  
TC 777.79  
INV 773.79 N, 12"
- P134 12" SS TY 2 RG  
RCCP CL IV  
33' @ 1.00%  
TB 4.7 CY 33'
- (134) CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
126+70.00, 20.58' LT  
TC 777.63  
INV 773.63 S, 12"

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



EX. CL. ELEV.	769.53	771.03	772.47	773.92	775.44	776.95	778.49	779.80	780.95
PR. CL. ELEV.	769.54	771.07	772.41	773.75	775.25	777.10	778.10	779.47	780.80
	124+00	124+50	125+00	125+50	126+00	126+50	127+00	127+50	128+00

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**STORM SEWER PLAN AND PROFILE**

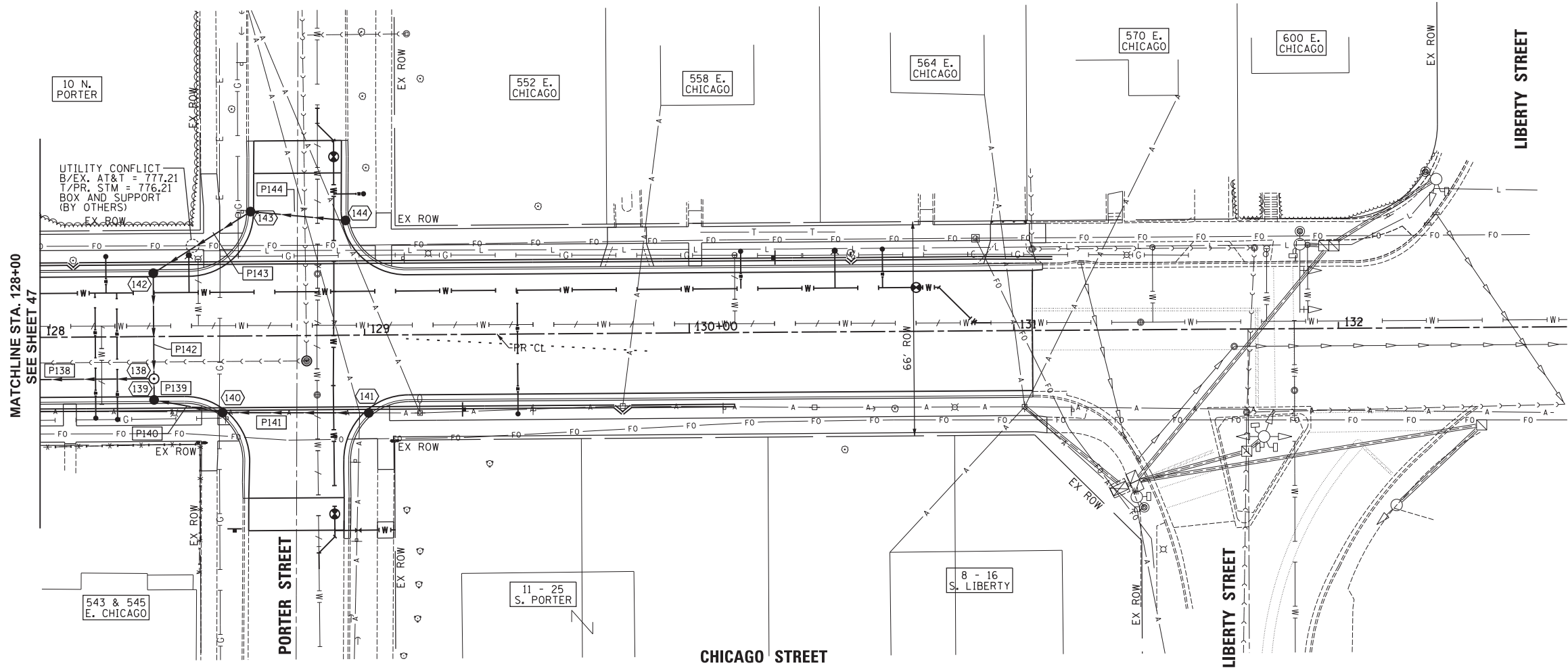
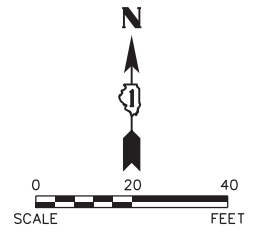
SCALE: 1"=20' SHEET NO. 7 OF 11 SHEETS STA. 124+00 TO STA. 128+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	47
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



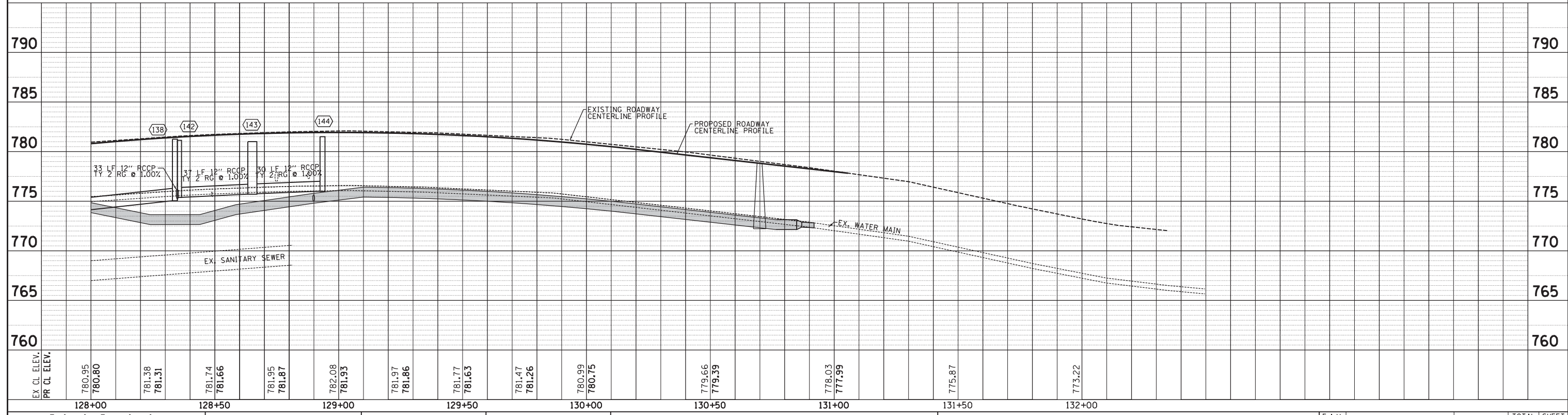
PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		



- P138 15" SS TY 2 RG  
RCCP CL IV  
165' @ 2.50%  
TB 108.0 CY 165'
- 138 MH TY A, 4' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
128+35.00, 13.00' RT  
RIM 781.32  
INV 777.26 S, 12"  
INV 775.05 N 12"  
INV 775.05 W, 15"
- P139 12" SS TY 1 RG  
RCCP CL IV  
7' @ 1.00%  
TB 1.0 CY 7'
- 139 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
128+35.00, 20.58' RT  
TC 781.64  
INV 777.33 N, SE 12"
- P140 12" SS TY 1 RG  
RCCP CL IV  
22' @ 1.00%  
TB 2.8 CY 22'
- 140 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
128+55.54, 24.45' RT  
TC 781.84  
INV 777.55 NW, E 12"
- P141 12" SS TY 1 RG  
RCCP CL IV  
45' @ 1.00%  
TB 5.0 CY 45'
- 141 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
129+01.67, 24.75' RT  
TC 781.97  
INV 778.00 W, 12"
- P142 12" SS TY 2 RG  
RCCP CL IV  
33' @ 1.00%  
TB 18.5 CY 33'
- 142 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
128+35.00, 20.58' LT  
TC 781.59  
INV 775.38 S, NE 12"
- P143 12" SS TY 2 RG  
RCCP CL IV  
37' @ 1.00%  
TB 18.6 CY 37'
- 143 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
128+64.00, 40.00' LT  
TC 781.81  
INV 775.75 SW, E 12"
- P144 12" SS TY 2 RG  
RCCP CL IV  
30' @ 1.00%  
TB 14.4 CY 30'
- 144 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-A OPEN  
BOX FRAME AND GRATE  
128+95.28, 36.00' LT  
TC 781.95  
INV 776.05 W, 12"

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



Plot#ed: 10/8/2018 5:08:44 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

CHICAGO STREET STORM SEWER PLAN AND PROFILE			
F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS
1321	12-00183-00-PV	KANE	128
SHEET NO. 48			
CONTRACT NO. 61E15			
ILLINOIS FED. AID PROJECT			

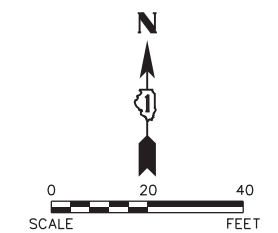
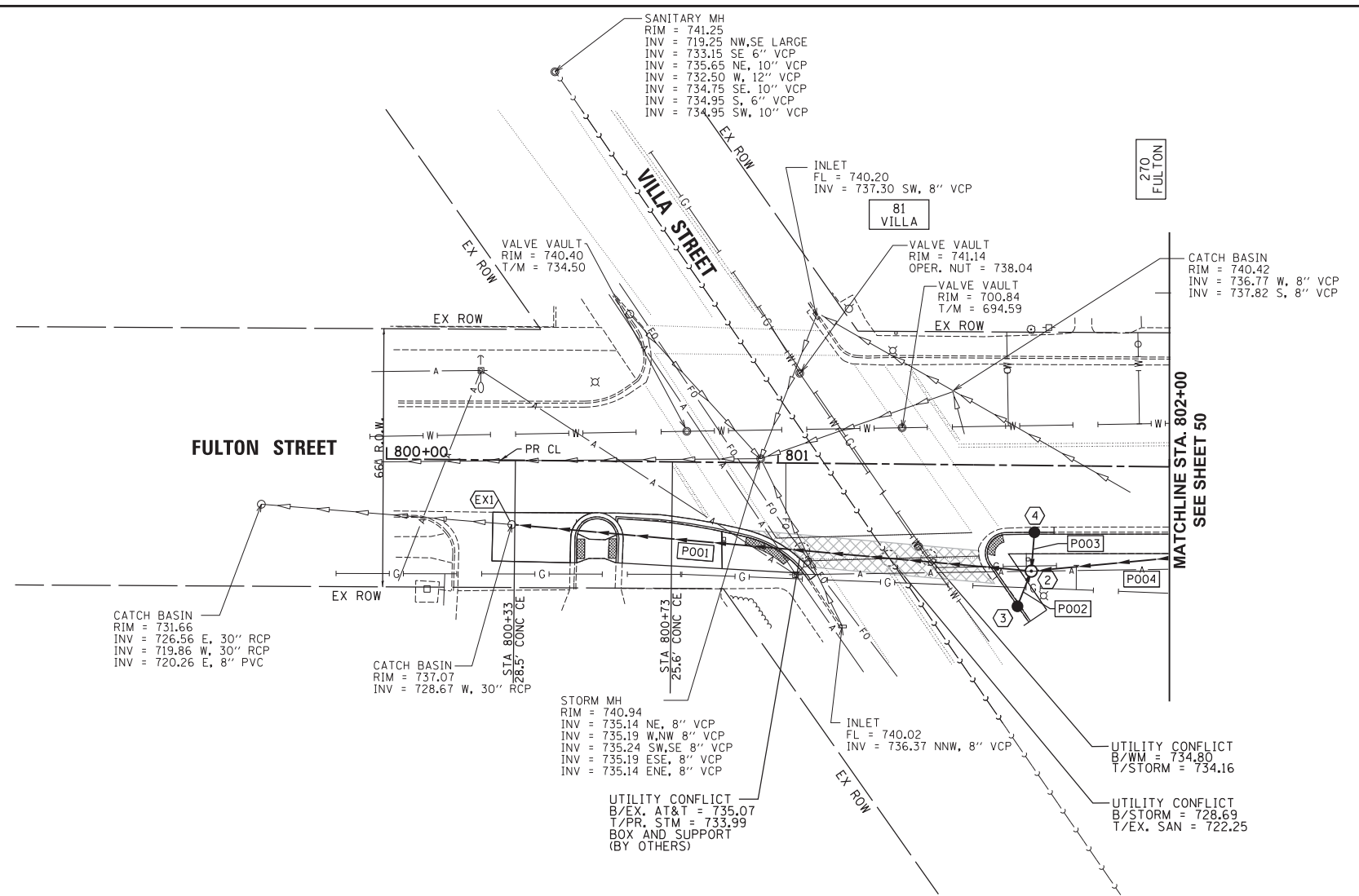
SCALE: 1"=20' SHEET NO. 8 OF 11 SHEETS STA. 128+00 TO STA. 133+00

Plot#ed: 10/8/2018 5:08:44 PM By: Jschmidt

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	RT. OF WAY	
	CHECKED	
	PAID FILE NAME	

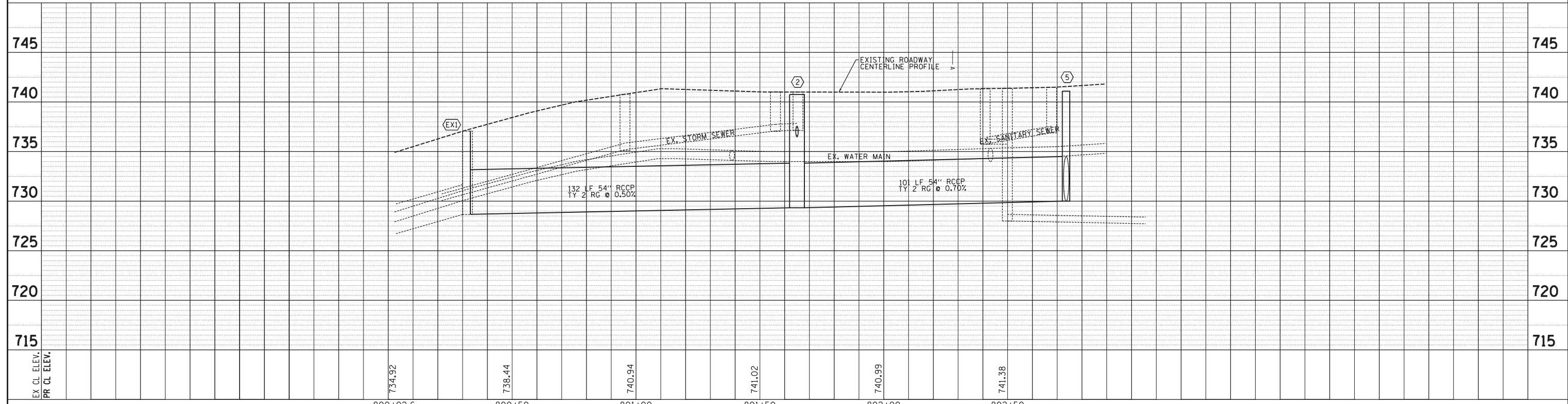
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	STRUCTURE NOTATIONS	
	CHKD	

Plot: 10/8/2018 5:08:45 PM By: Jschmidt



- EX1 EX MH, 6" DIA. 800+32.16, 16.44' RT RIM 737.07 INV 728.67 W, 30" INV 728.67 E, 54"
- P001 54" SS TY 2 RG RCCP CL IV 132' @ 0.50% TB 199.1' CY 132'
- 2 MH TY A, 7' DIA. W/NEENAH R-1712-C FRAME AND LID 801+65.00, 27.00' RT RIM 740.76 INV 736.43 N, 12" INV 736.46 S, 12" INV 729.33 W, E 54"
- P002 12" SS TY 2 RG RCCP CL IV 10' @ 1.00% TB 2.1' CY 10'
- 3 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-A OPEN BOX FRAME AND GRATE 801+62.02, 35.69' RT TC 740.56 INV 736.56 N 12"
- P003 12" SS TY 2 RG RCCP CL IV 10' @ 1.00% TB 2.1' CY 10'
- 4 CB OPEN BOTTOM, 4' DIA. W/NEENAH R-3065-A OPEN BOX FRAME AND GRATE 801+65.70, 17.57' RT TC 740.53 INV 736.53 S, 12"

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



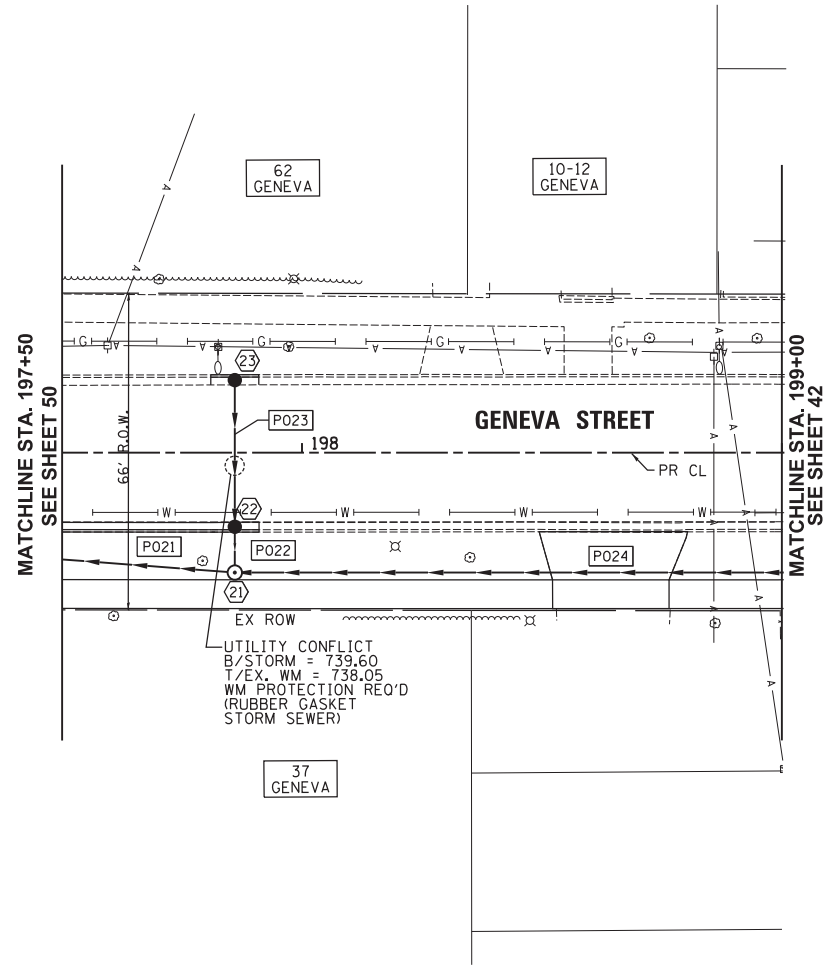
<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>STORM SEWER PLAN AND PROFILE - FULTON STREET</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1321	12-00183-00-PV	KANE	128	49		
CHECKED -	REVISED -	CONTRACT NO. 61E15					ILLINOIS FED. AID PROJECT				
DATE -	REVISED -	SCALE: 1"=20'			SHEET NO. 9 OF 11 SHEETS	STA. 800+00 TO STA. 803+00					



PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	PAID FILE NAME		

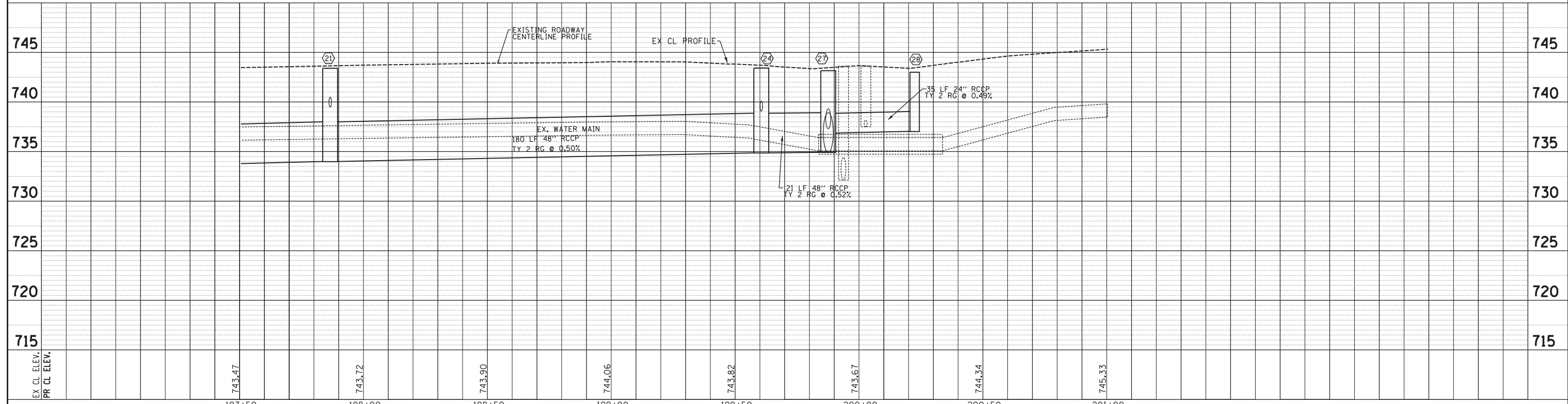
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHKD		

Plot#ed: 10/8/2018 5:08:46 PM By: Jschmidt



- P021 48" SS TY 2 RG  
RCCP CL IV  
100' @ 0.50  
TB 135.7 CY 100'
- 21 MH TY A, 6' DIA.  
W/NEENAH R-1712-C  
FRAME AND LID  
197+86.00, 25.00' RT  
RIM 743.39  
INV 739.54 W, 12"  
INV 733.91 S, N 48"
- P022 12" SS TY 1 RG  
RCCP CL IV  
10' @ 1.00%  
TB 1.8 CY 10'
- 22 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
197+86.00, 16.57' RT  
TC 743.54  
INV 739.64 E, W 12"
- P023 12" SS TY 1 RG  
RCCP CL IV  
31' @ 1.00%  
TB 4.2 CY
- 23 CB OPEN BOTTOM, 4' DIA.  
W/NEENAH R-3065-L OPEN  
BOX FRAME AND GRATE  
197+86.00, 16.24' LT  
TC 743.45  
INV 739.95 E, 12"

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'

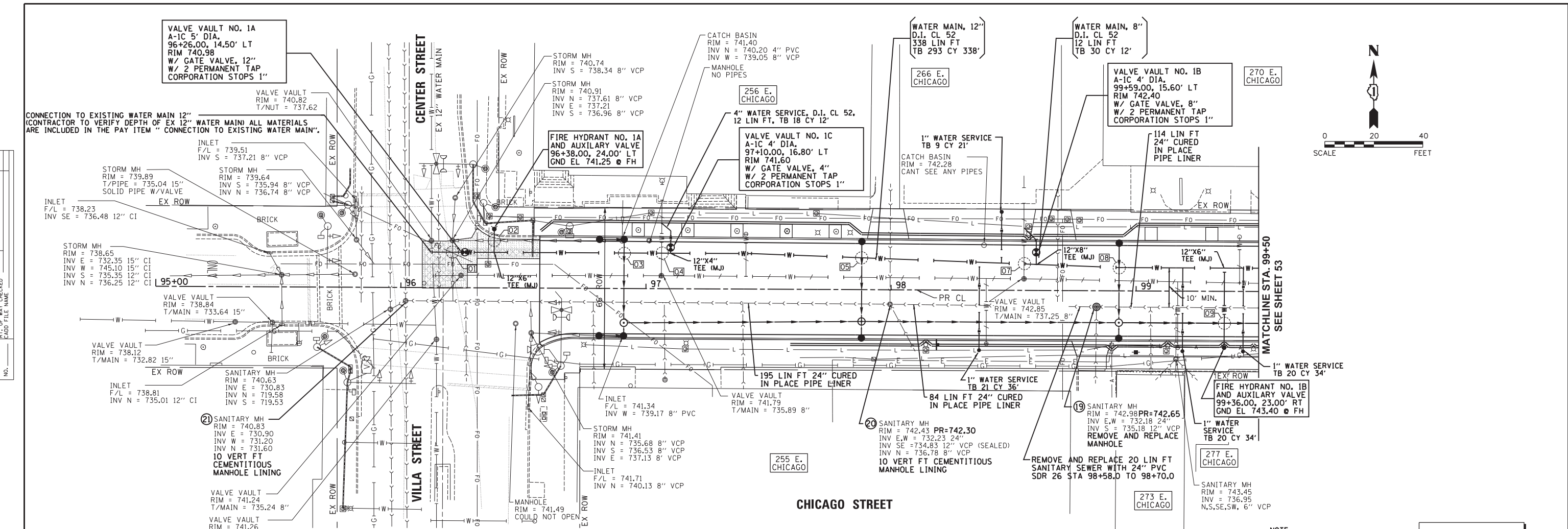


<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>STORM SEWER PLAN AND PROFILE - GENEVA STREET</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1321	12-00183-00-PV	KANE	128	51		
CHECKED -	REVISED -	CONTRACT NO. 61E15					ILLINOIS FED. AID PROJECT				
DATE -	REVISED -	SCALE: 1"=20'			SHEET NO. 11 OF 11 SHEETS	STA. 197+50 TO STA. 201+00					

Path: H:\SBSKProj\EG104\Drawn Final Eng\EG104-P-11 STORM DRAINAGE.dgn

PLAN	SURVEYED	DATE
NO.	PLOTTED	BY
	CHECKED	
	BY	
	DATE	
	BY	
	DATE	

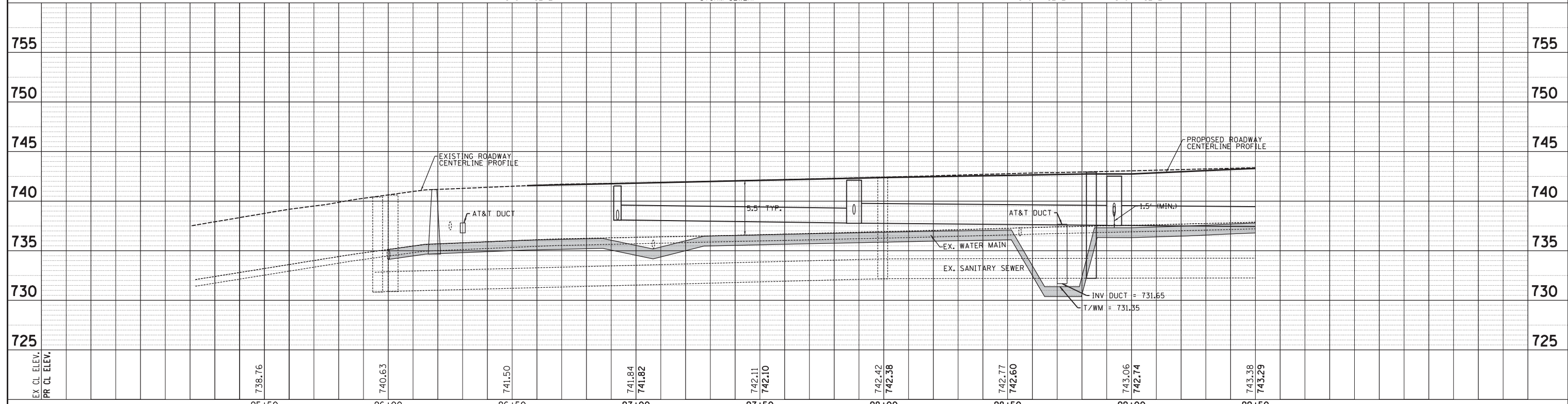
PROFILE	SURVEYED	DATE
NO.	PLOTTED	BY
	CHECKED	
	BY	
	DATE	
	BY	
	DATE	



- UTILITY CONFLICT 01 B/STORM = 736.9 WM PROTECTION REQ'D. REPLACE 8" STORM WITH 22 LF 8" DIP WM PIPE
- UTILITY CONFLICT 02 B/STORM = 736.63 T/PR, WM = 735.13 REMOVE 70 LF STORM PRIOR TO WM INSTALL NO PROTECTION REQ'D
- UTILITY CONFLICT 03 B/STORM = 738.12 T/PR, WM = 736.02 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)
- UTILITY CONFLICT 04 B/EX, WM = 735.20 T/PR, WM = 735.10 LOWER PR WATER MAIN
- UTILITY CONFLICT 05 B/STORM = 738.24 T/PR, WM = 736.74 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)
- UTILITY CONFLICT 07 B/EX, WM = 736.50 T/PR, WM = 736.40 LOWER PR WATER MAIN
- UTILITY CONFLICT 08 B/STORM = 738.60 T/PR, WM = 737.10 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)
- UTILITY CONFLICT 09 B/STORM = 737.23 T/PR, WM = 735.73 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

NOTE: FIBER OPTIC DUCT, WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS WILL VARY AND WILL HAVE TO BE VERIFIED IN THE FIELD.

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'

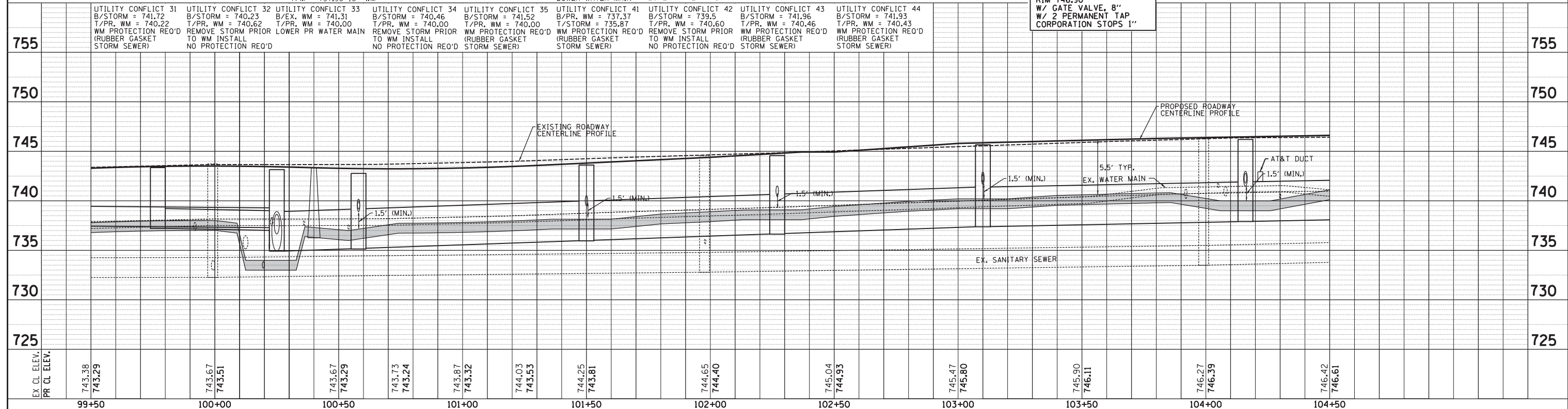
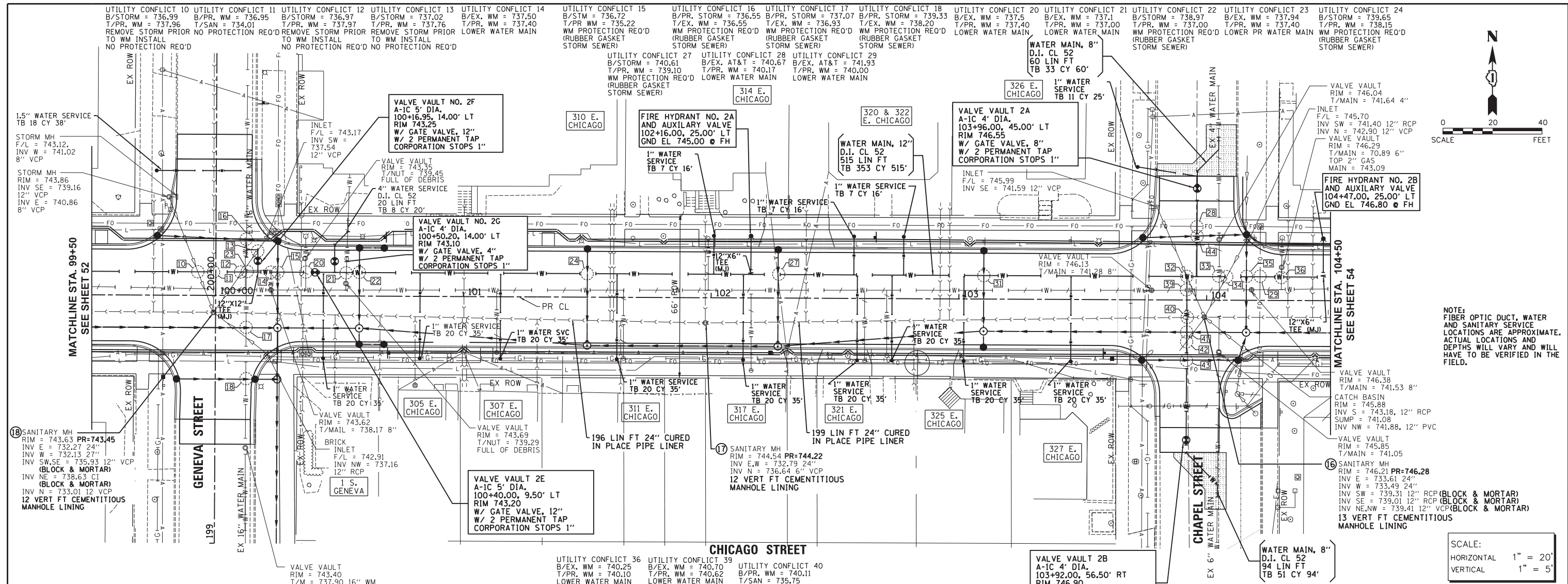


Plot#ed: 10/9/2018 11:34:01 AM By: Jschmidt

<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>WATER AND SANITARY PLAN AND PROFILE</b>		F.A.U. RTE. 1321	SECTION 12-00183-00-PV	COUNTY KANE	TOTAL SHEETS 128	SHEET NO. 52
		DRAWN -	REVISED -		SCALE: 1"=20'    SHEET NO. 1 OF 9 SHEETS    STA. 95+00 TO STA. 99+50		CONTRACT NO. 61E15 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	

PROF. FILE	SURVEYED	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	



<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> DEPARTMENT OF TRANSPORTATION	<b>CHICAGO STREET</b> WATER AND SANITARY PLAN AND PROFILE	F.A.U. R.T.E. 1321	SECTION 12-00183-00-PV	COUNTY KANE	TOTAL SHEETS 128	SHEET NO. 53
		DRAWN -	REVISED -			CONTRACT NO. 61E15				
DATE -		CHECKED -	REVISED -	SCALE: 1"=20'		SHEET NO. 2 OF 9 SHEETS		STA. 99+50 TO STA. 104+50		ILLINOIS FED. AID PROJECT

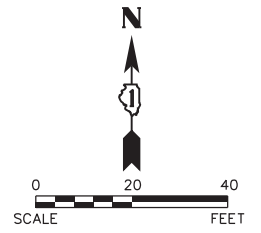
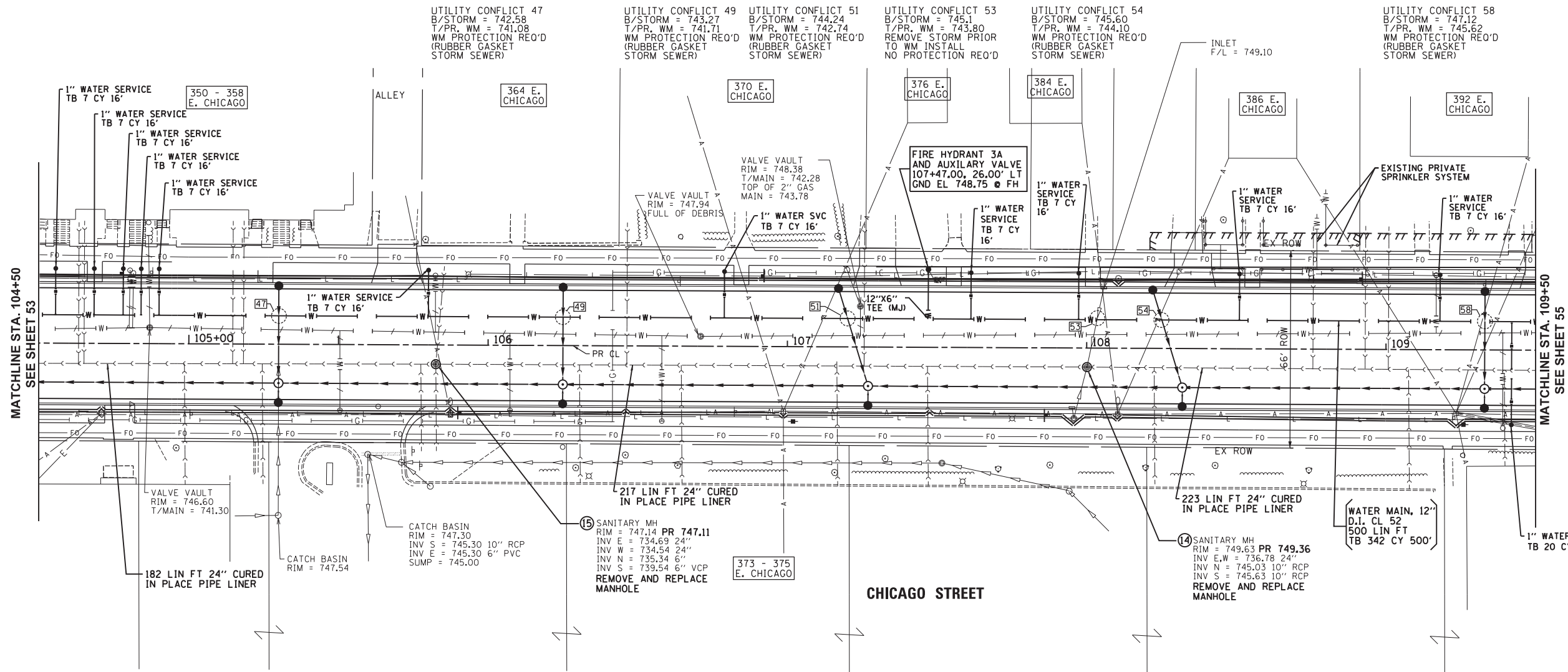
Plot#ed: 10/9/2018 11:34:02 AM By: Jschmidt

Path: H:\SBSKProj\EG104\Drawn\Final Eng\EG104-P-53A1-WA.RVT.dgn

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		
	NO.		
	DATE		

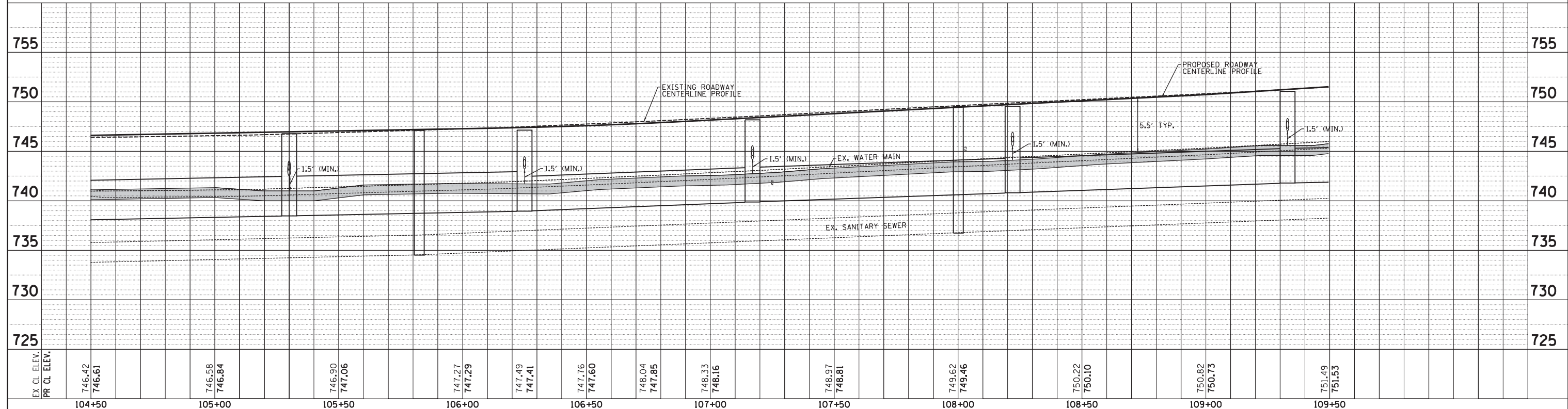
PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		
	NO.		
	DATE		

Plot#ed: 10/9/2018 11:34:03 AM By: Jschmidt



NOTE: FIBER OPTIC DUCT, WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS WILL VARY AND WILL HAVE TO BE VERIFIED IN THE FIELD.

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**WATER AND SANITARY PLAN AND PROFILE**

SCALE: 1"=20' SHEET NO. 3 OF 9 SHEETS STA. 104+50 TO STA. 109+50

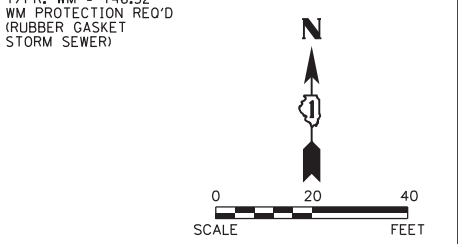
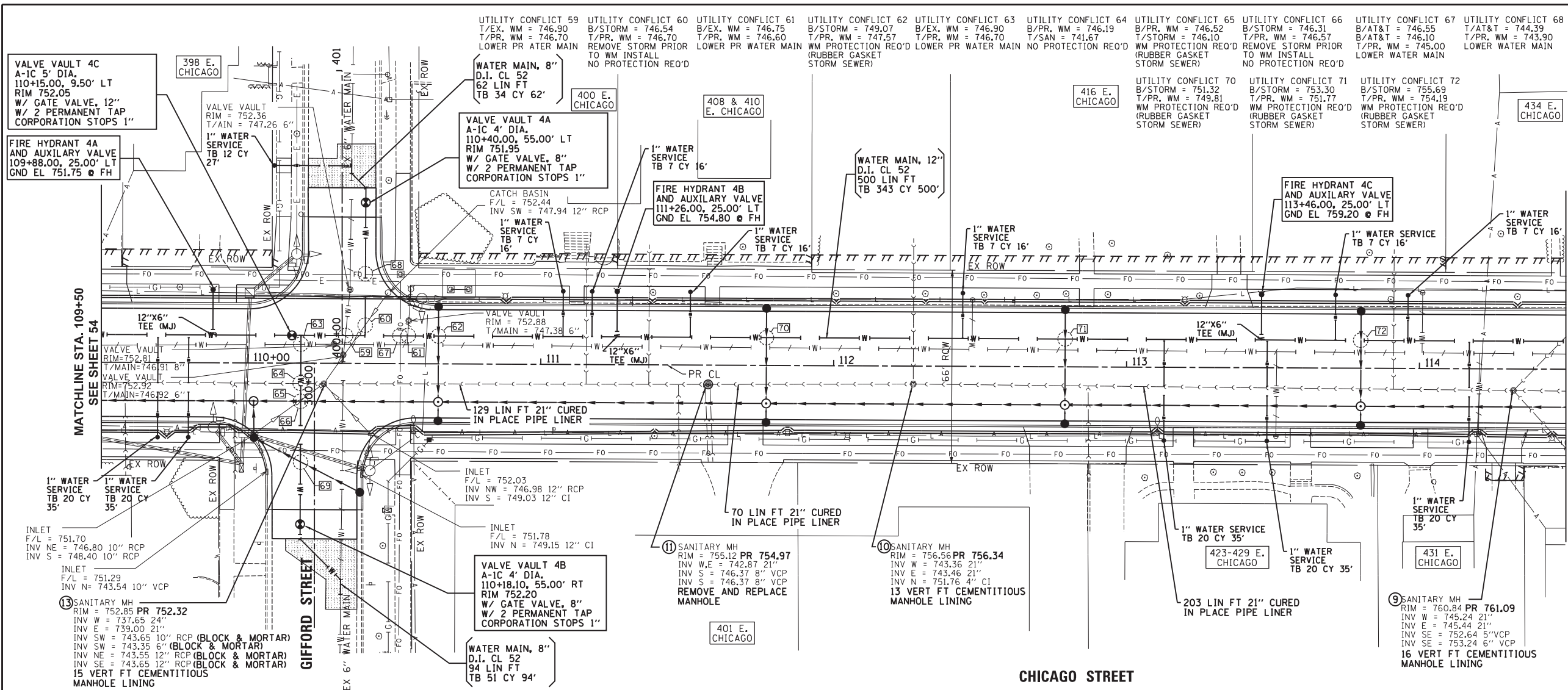
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	54
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EG104\Drawn\Final Eng\EG104-P-P\_SAM-WATER.dgn

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	RT. OF WAY CHECKED		
	PAID FILE NAME		
NO.			

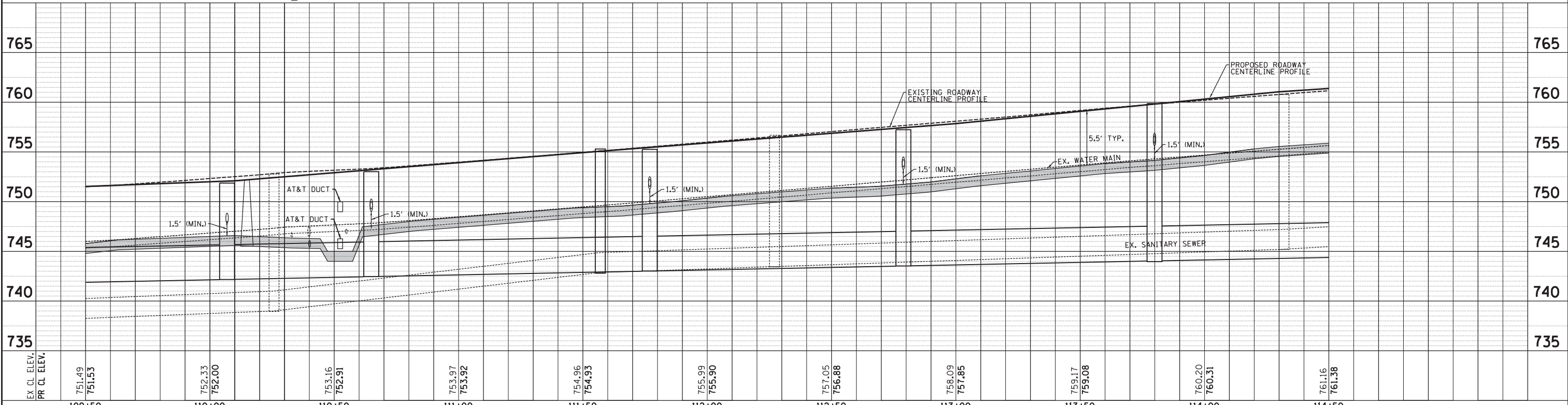
PROFILE	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	STRUCTURE NOTATIONS CHKD		
NO.			

Plot#ed: 10/9/2018 11:34:03 AM By: Jschmidt



NOTE:  
FIBER OPTIC DUCT, WATER AND  
SANITARY SERVICE LOCATIONS ARE  
APPROXIMATE. ACTUAL LOCATIONS  
AND DEPTHS WILL VARY AND WILL  
HAVE TO BE VERIFIED IN THE  
FIELD.

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



 <b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>WATER AND SANITARY PLAN AND PROFILE</b>	F.A.U. R.T.E. 1321	SECTION 12-00183-00-PV	COUNTY KANE	TOTAL SHEETS 128	SHEET NO. 55			
		DRAWN -	REVISED -			SCALE: 1"=20'			SHEET NO. 4 OF 9 SHEETS			STA. 109+50 TO STA. 114+50	
		CHECKED -	REVISED -			CONTRACT NO. 61E15							
		DATE -	REVISED -	ILLINOIS FED. AID PROJECT									



UTILITY CONFLICT 76 B/STORM = 758.07 T/PR, WM = 756.57 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 77 B/EX, WM = 758.05 T/PR, WM = 757.95 LOWER WATER MAIN

UTILITY CONFLICT 78 B/PR, WM = 757.10 T/SAN = 750.3 NO PROTECTION REQ'D

UTILITY CONFLICT 79 B/EX, WM = 758.17 T/PR, WM = 757.50 LOWER WATER MAIN

UTILITY CONFLICT 80 B/EX, WM = 758.0 T/PR, WM = 757.5 LOWER WATER MAIN

UTILITY CONFLICT 81 B/PR, WM = 756.90 T/SAN = 750.16 NO PROTECTION REQ'D

UTILITY CONFLICT 82 B/PR, WM = 756.90 T/STORM = 748.62 NO PROTECTION REQ'D

UTILITY CONFLICT 83 B/STORM = 759.62 T/PR, WM = 757.65 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

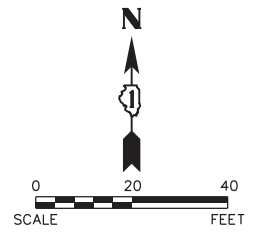
UTILITY CONFLICT 84 B/STORM = 759.78 T/PR, WM = 758.28 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 85 B/STORM = 758.07 T/PR, WM = 756.53 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 86 B/STORM = 757.26 T/PR, WM = 755.67 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 87 B/AT&T = 761.84 T/PR, WM = 757.70 LOWER WATER MAIN

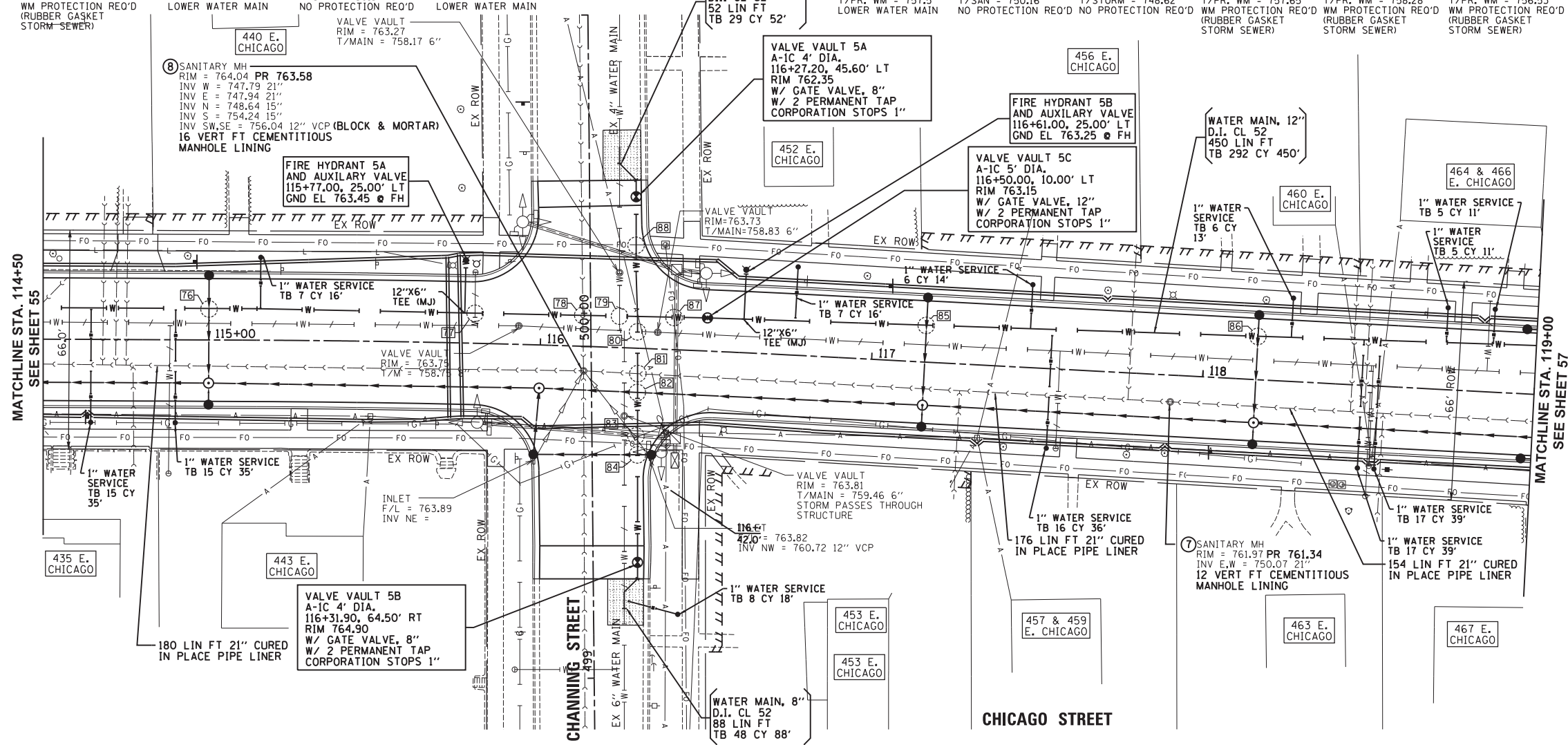
UTILITY CONFLICT 88 B/AT&T = 757.79 T/PR, WM = 757.30 LOWER WATER MAIN



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	BY	
	DATE	
	NO.	
	DATE	

MATCHLINE STA. 114+50  
SEE SHEET 55

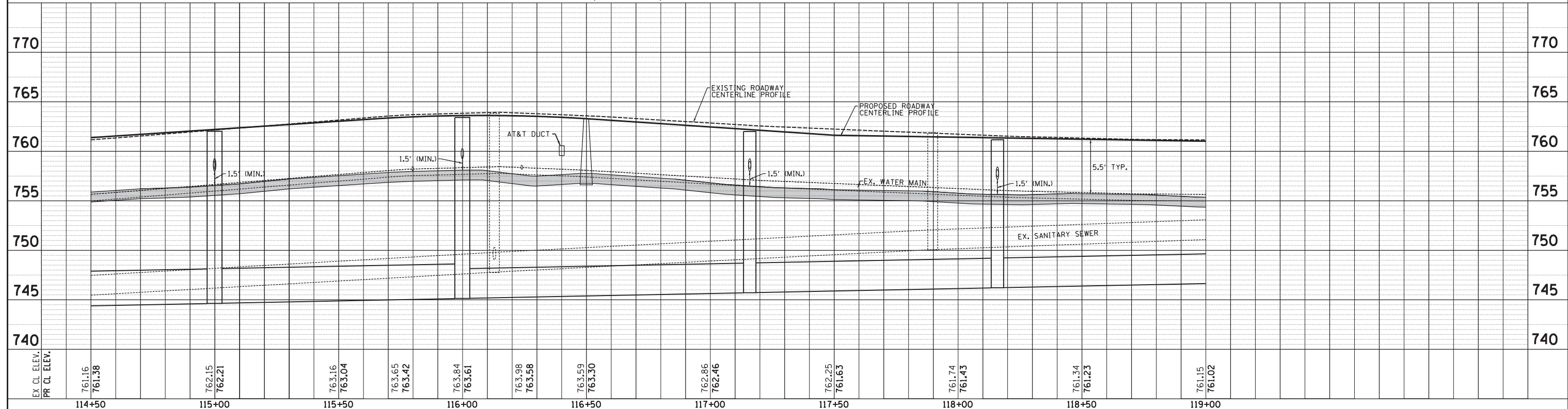
MATCHLINE STA. 119+00  
SEE SHEET 57



NOTE:  
FIBER OPTIC DUCT, WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS WILL VARY AND WILL HAVE TO BE VERIFIED IN THE FIELD.

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	BY	
	DATE	
	NO.	
	DATE	



Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>WATER AND SANITARY PLAN AND PROFILE</b>		F.A.U. RTE. 1321	SECTION 12-00183-00-PV	COUNTY KANE	TOTAL SHEETS 128	SHEET NO. 56
		DRAWN -	REVISED -		SCALE: 1"=20'		SHEET NO. 5 OF 9 SHEETS	STA. 114+50 TO STA. 119+00	CONTRACT NO. 61E15		ILLINOIS FED. AID PROJECT
		CHECKED -	REVISED -								
		DATE -	REVISED -								

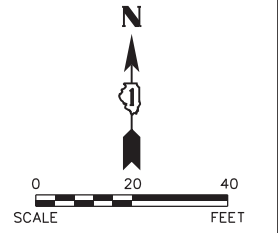
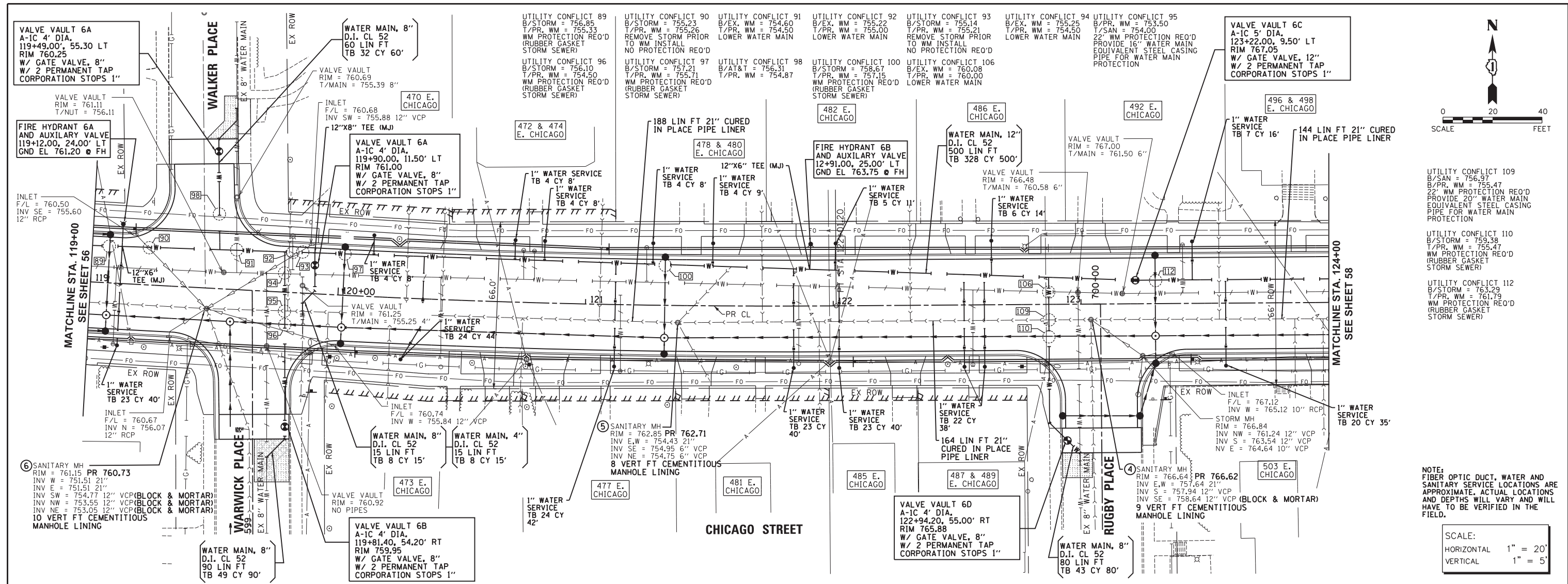
Plot#ed: 10/9/2018 11:34:04 AM By: Jschmidt

Path: H:\S08KPR09\EG10A Vign.Dgn Final Eng VEG10A-P-SAN-WA.RER.dgn

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	DATE	

Plot#ed: 10/9/2018 11:34:05 AM By: Jschmidt



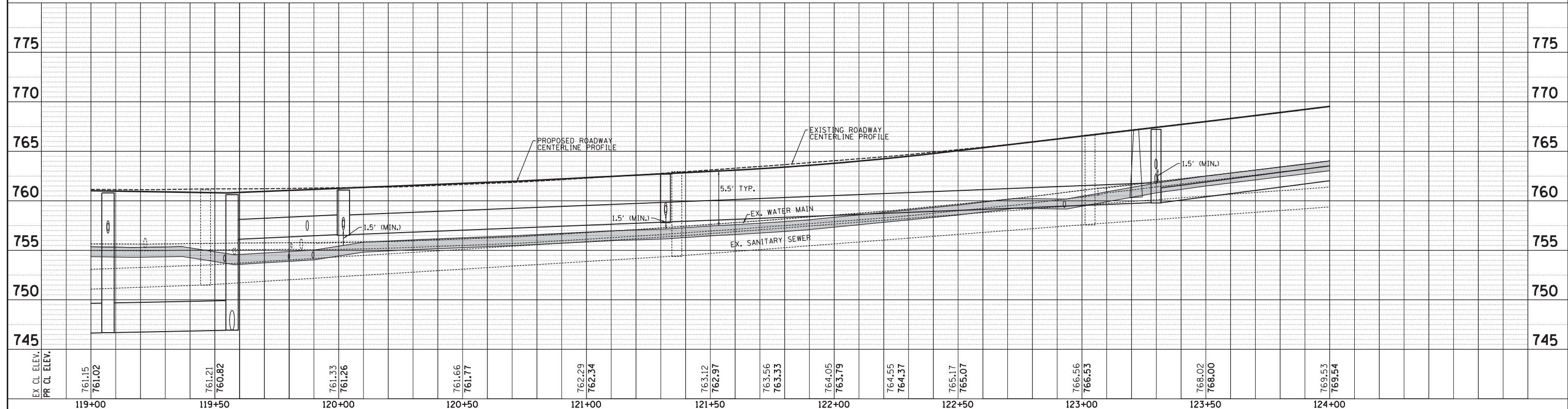
UTILITY CONFLICT 109  
B/SAN = 756.97  
T/PR, WM = 755.47  
22\"/>

UTILITY CONFLICT 110  
B/SAN = 759.38  
T/PR, WM = 755.47  
WM PROTECTION REQ'D  
(RUBBER GASKET  
STORM SEWER)

UTILITY CONFLICT 112  
B/SAN = 763.29  
T/PR, WM = 761.79  
WM PROTECTION REQ'D  
(RUBBER GASKET  
STORM SEWER)

NOTE:  
FIBER OPTIC DUCT, WATER AND  
SANITARY SERVICE LOCATIONS ARE  
APPROXIMATE. ACTUAL LOCATIONS  
AND DEPTHS WILL VARY AND WILL  
HAVE TO BE VERIFIED IN THE  
FIELD.

SCALE:  
HORIZONTAL 1" = 20'  
VERTICAL 1" = 5'



119+00	119+50	120+00	120+50	121+00	121+50	122+00	122+50	123+00	123+50	124+00
EX CL ELEV.	761.15	761.21	761.33	761.66	763.12	763.56	764.05	766.56	768.02	769.53
PR CL ELEV.	761.02	760.82	761.26	761.77	762.29	763.33	763.79	765.07	768.00	769.54

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**WATER AND SANITARY PLAN AND PROFILE**

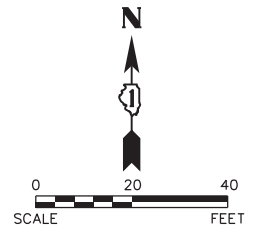
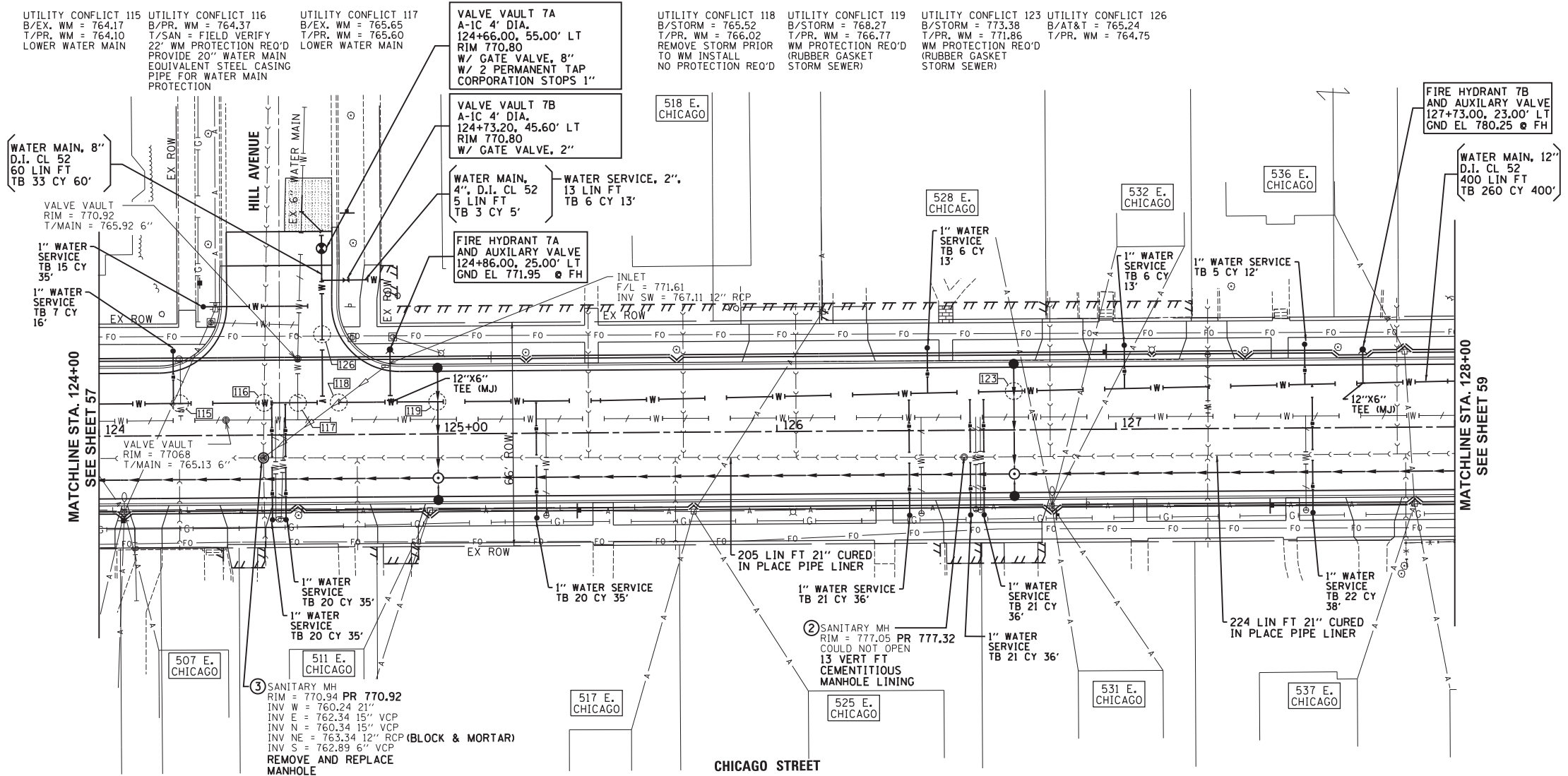
SCALE: 1"=20' SHEET NO. 6 OF 9 SHEETS STA. 119+00 TO STA. 124+00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	57
				CONTRACT NO. 61E15
ILLINOIS FED. AID PROJECT				

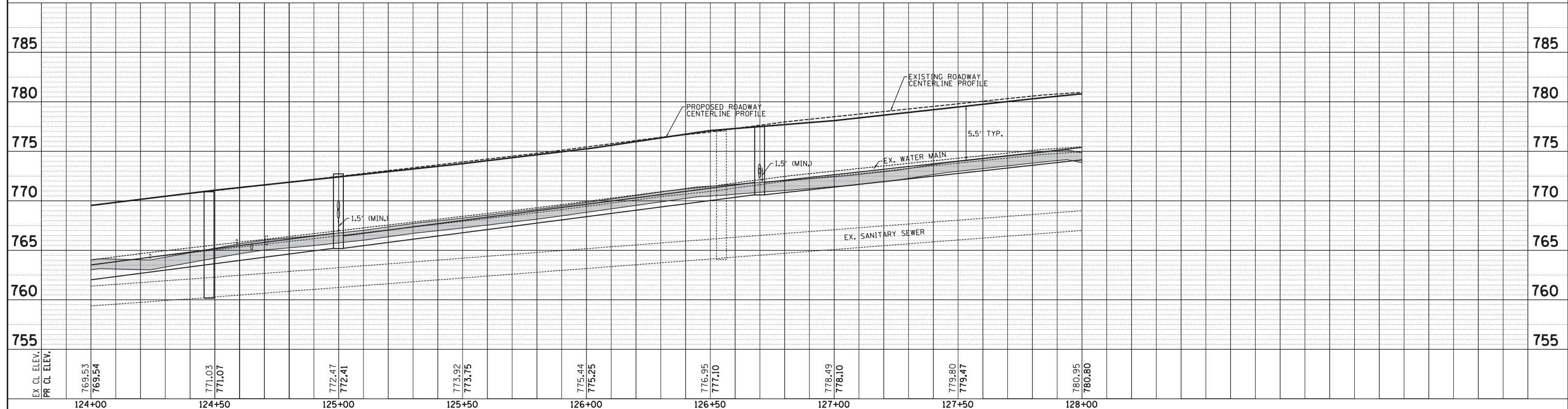
PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	BY		
	DATE		
	NO.		
	PAID FILE NAME		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	BY		
	DATE		
	NO.		
	STRUCTURE NOTATIONS CHRD		

Plot#ed: 10/9/2018 12:40:26 PM By: Jschmidt



NOTE: FIBER OPTIC DUCT, WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS WILL VARY AND WILL HAVE TO BE VERIFIED IN THE FIELD.



Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO STREET WATER AND SANITARY PLAN AND PROFILE	F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			1321	12-00183-00-PV	KANE	128	58
		CHECKED -	REVISED -	SCALE: 1"=20'		SHEET NO. 7 OF 9 SHEETS		STA. 124+00 TO STA. 128+00		CONTRACT NO. 61E15
		DATE -	REVISED -							ILLINOIS FED. AID PROJECT

UTILITY CONFLICT 128 B/STORM = 775.15 T/PR, WM = 773.65 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 129 B/EX, WM = 775.45 T/PR, WM = 775.40 LOWER WATER MAIN REMOVE STORM PRIOR TO WM INSTALL NO PROTECTION REQ'D

UTILITY CONFLICT 130 B/STORM = TBD T/PR, WM = 776.88 REMOVE STORM PRIOR TO WM INSTALL NO PROTECTION REQ'D

UTILITY CONFLICT 131 B/PR, WM = 777.0 T/SAN = TBD REMOVE STORM PRIOR TO WM INSTALL NO PROTECTION REQ'D

UTILITY CONFLICT 132 B/STORM = TBD T/PR, WM = 777.24 REMOVE STORM PRIOR TO WM INSTALL NO PROTECTION REQ'D

UTILITY CONFLICT 133 B/EX, WM = 775.88 T/PR, WM = 775.80 LOWER WATER MAIN REMOVE STORM PRIOR TO WM INSTALL (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 134 B/STORM = 777.67 T/PR, WM = 776.17 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

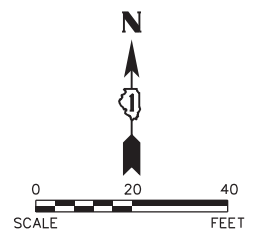
UTILITY CONFLICT 135 B/STORM = 777.0 T/PR, WM = 776.20 REMOVE STORM PRIOR TO WM INSTALL (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 136 B/STORM = 777.71 T/PR, WM = 776.20 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 137 B/AT&T = 777.50 T/PR, WM = 776.20 LOWER WATER MAIN REMOVE STORM PRIOR TO WM INSTALL (RUBBER GASKET STORM SEWER)

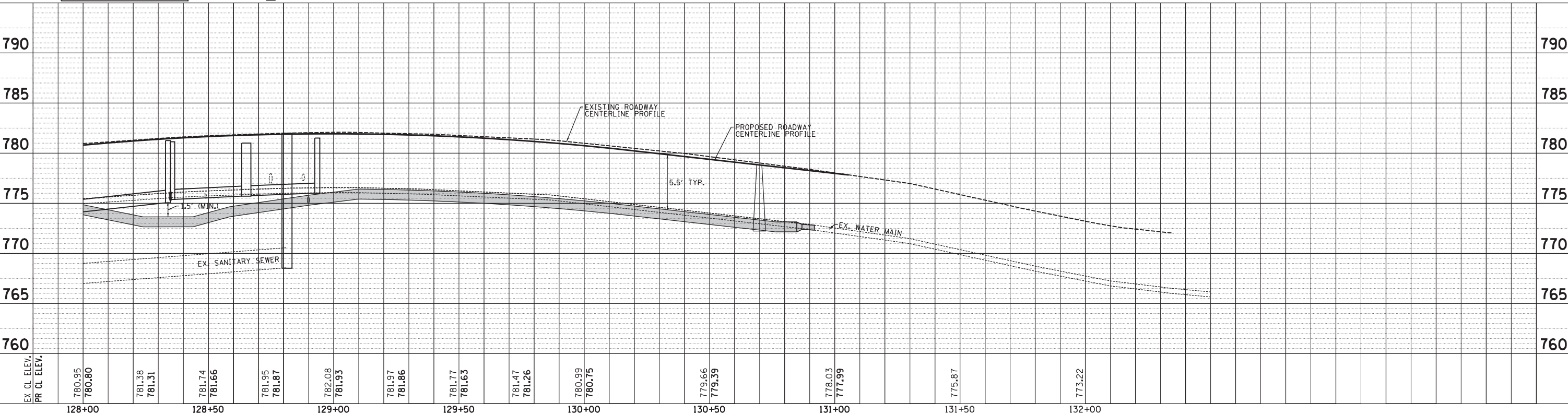
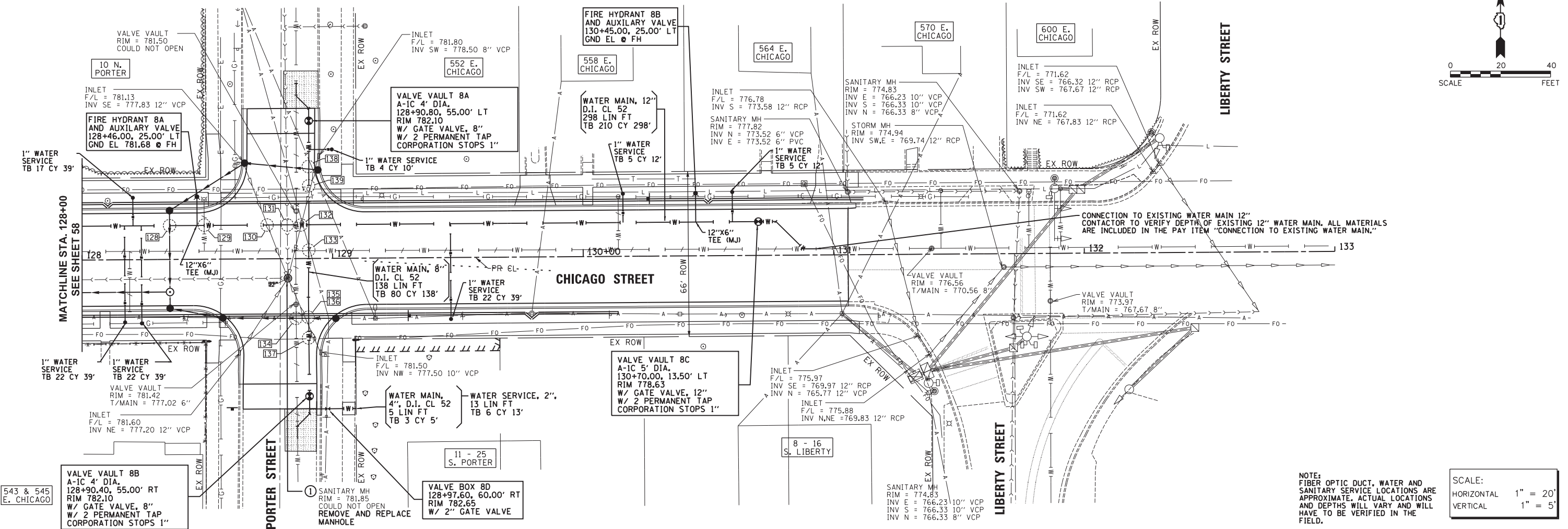
UTILITY CONFLICT 138 B/STORM = 775.85 T/PR, WM = 774.34 WM PROTECTION REQ'D (RUBBER GASKET STORM SEWER)

UTILITY CONFLICT 139 B/AT&T = 777.69 T/PR, WM = 777.15 LOWER WATER MAIN REMOVE STORM PRIOR TO WM INSTALL (RUBBER GASKET STORM SEWER)



PLAN	SURVEYED	BY	DATE
	NOTED		
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	PAID FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHK'D		
	NO.		

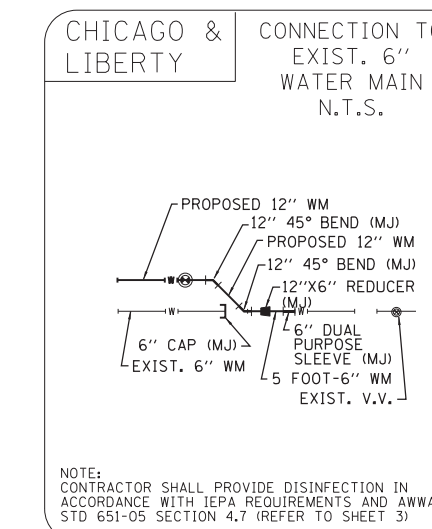
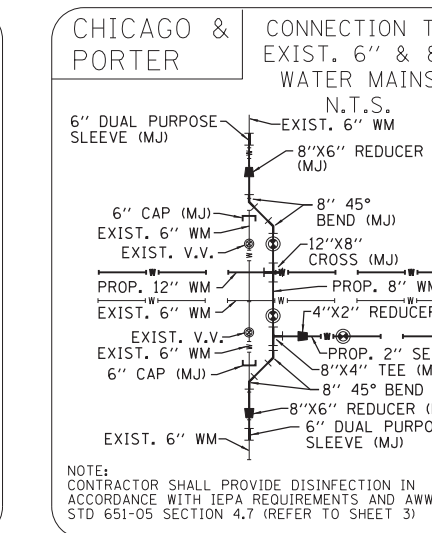
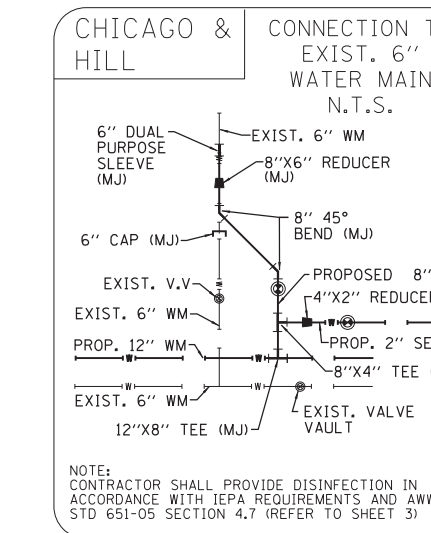
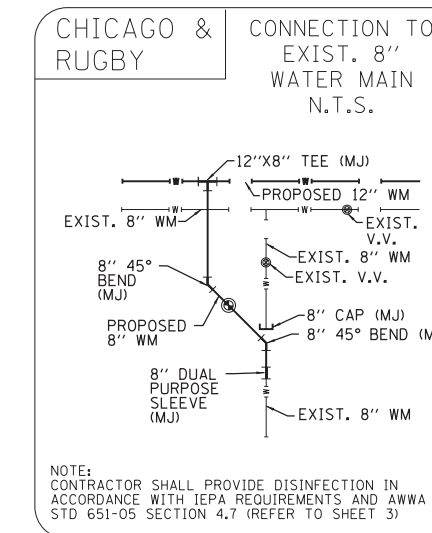
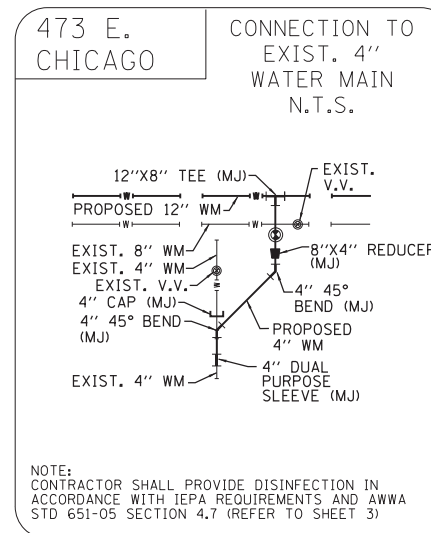
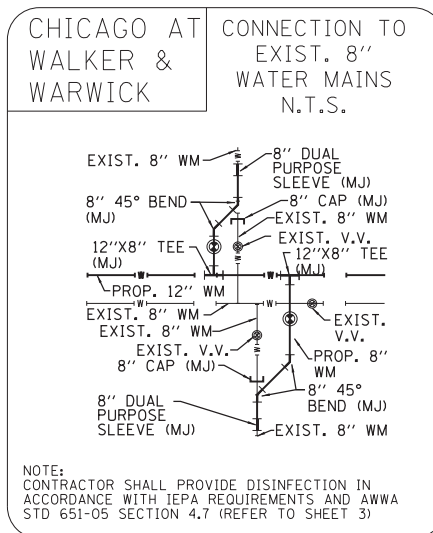
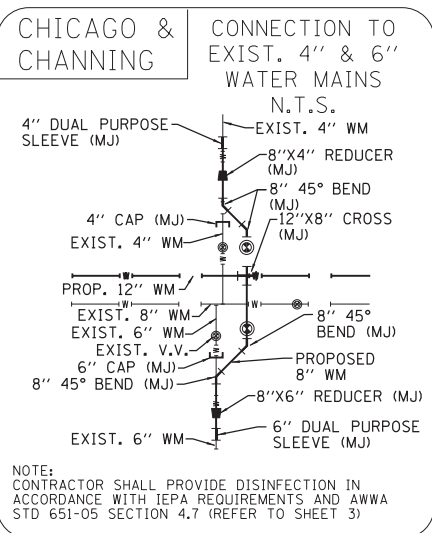
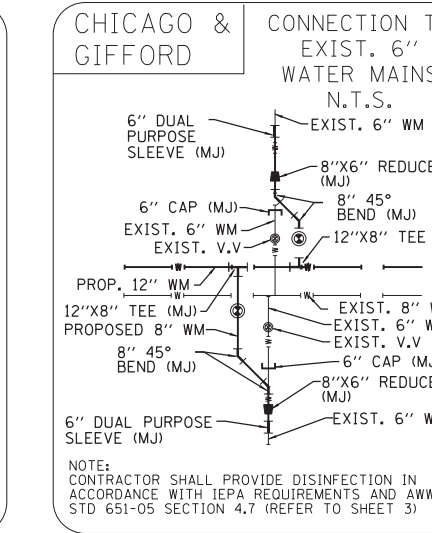
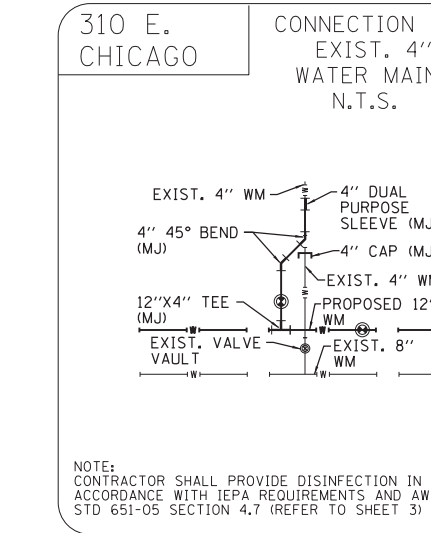
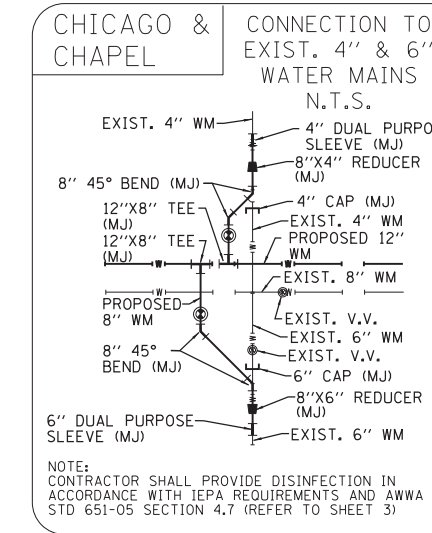
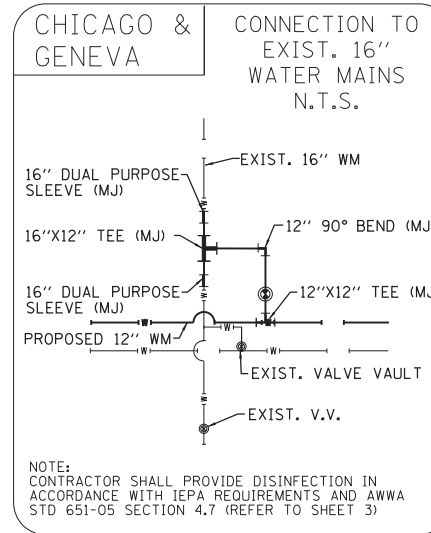
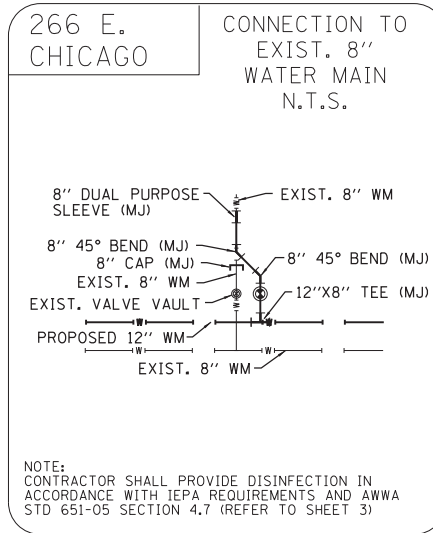
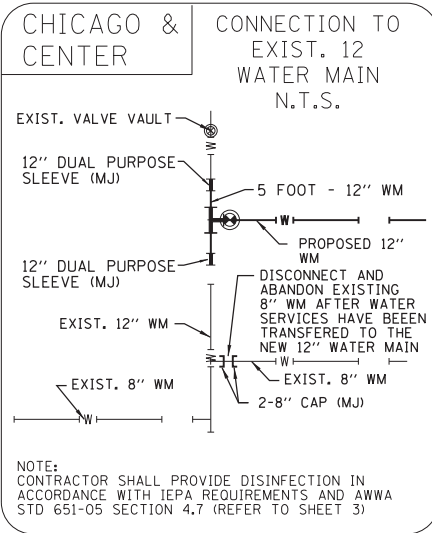


NOTE: FIBER OPTIC DUCT, WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS WILL VARY AND WILL HAVE TO BE VERIFIED IN THE FIELD.

SCALE:	
HORIZONTAL	1" = 20'
VERTICAL	1" = 5'

Plot#ed: 10/9/2018 12:40:27 PM By: Jschmidt

<b>Engineering Enterprises, Inc.</b> CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	<b>CITY OF ELGIN</b> 150 DEXTER CT. ELGIN, IL 60120	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO STREET</b> <b>WATER AND SANITARY PLAN AND PROFILE</b>	F.A.U. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			1321	12-00183-00-PV	KANE	128	59
		CHECKED -	REVISED -	SCALE: 1"=20'		SHEET NO. 8 OF 9 SHEETS		STA. 128+00 TO STA. 133+00		CONTRACT NO. 61E15
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



Plot#ed: 10/9/2018 11:34:07 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

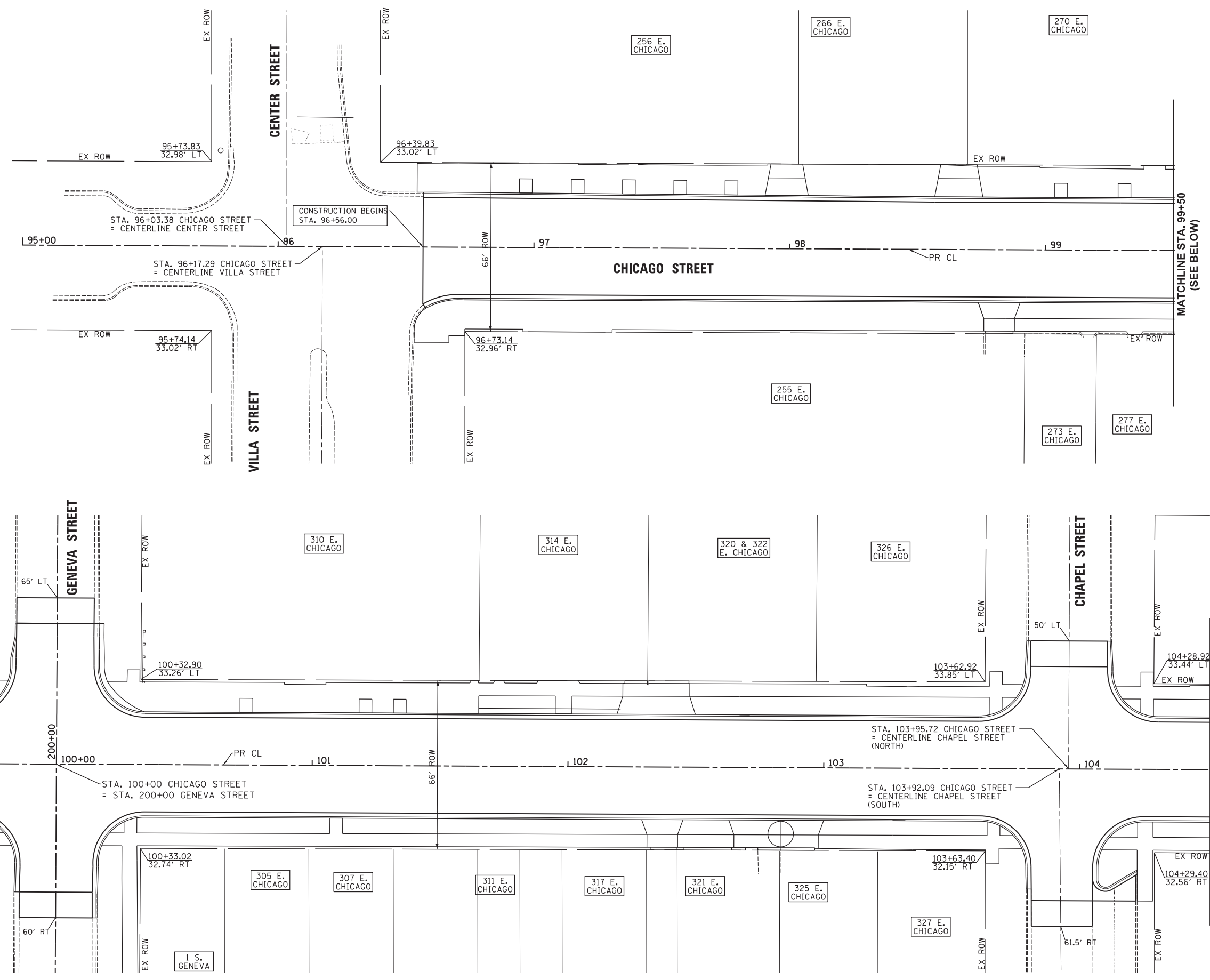
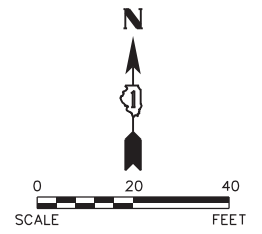
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**WATER AND SANITARY PLAN AND PROFILE**

SCALE: 1"=20' SHEET NO. 9 OF 9 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	60
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\VECT04\Wgn\Wgn-Final Eng\VECT04-P-PLAN-WATER.dgn



Plot Date: 10/9/2017 7:51:24 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

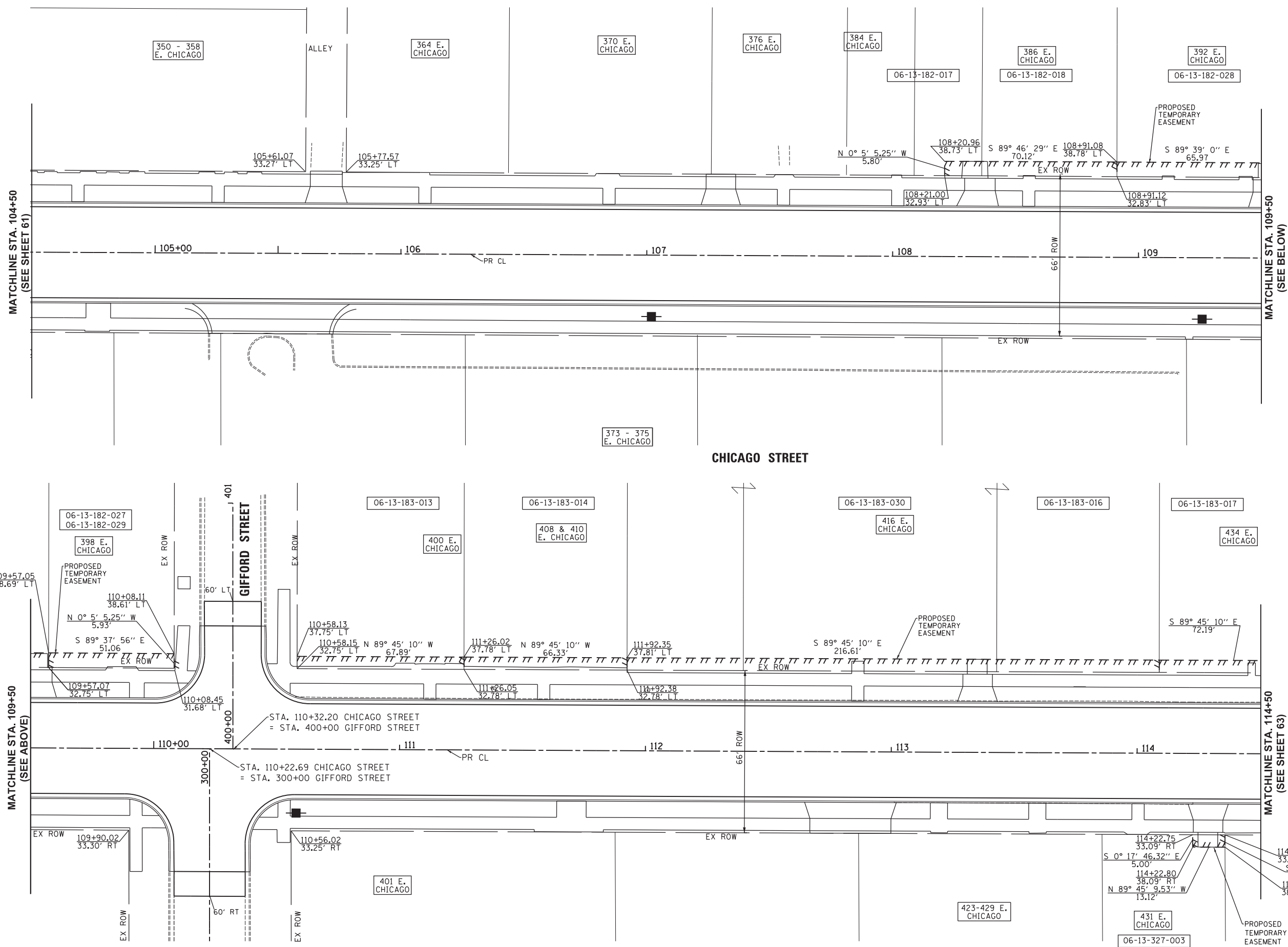
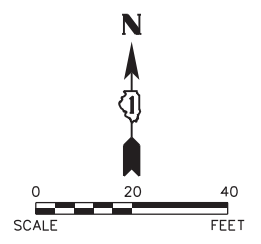
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**RIGHT-OF-WAY PLAN**

SCALE: 1"=20'      SHEET NO. 1 OF 4 SHEETS      STA. 95+00 TO STA. 104+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	61
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				



Plot Date: 1/24/2018 3:21:32 PM By: c/jat/uch

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eelweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

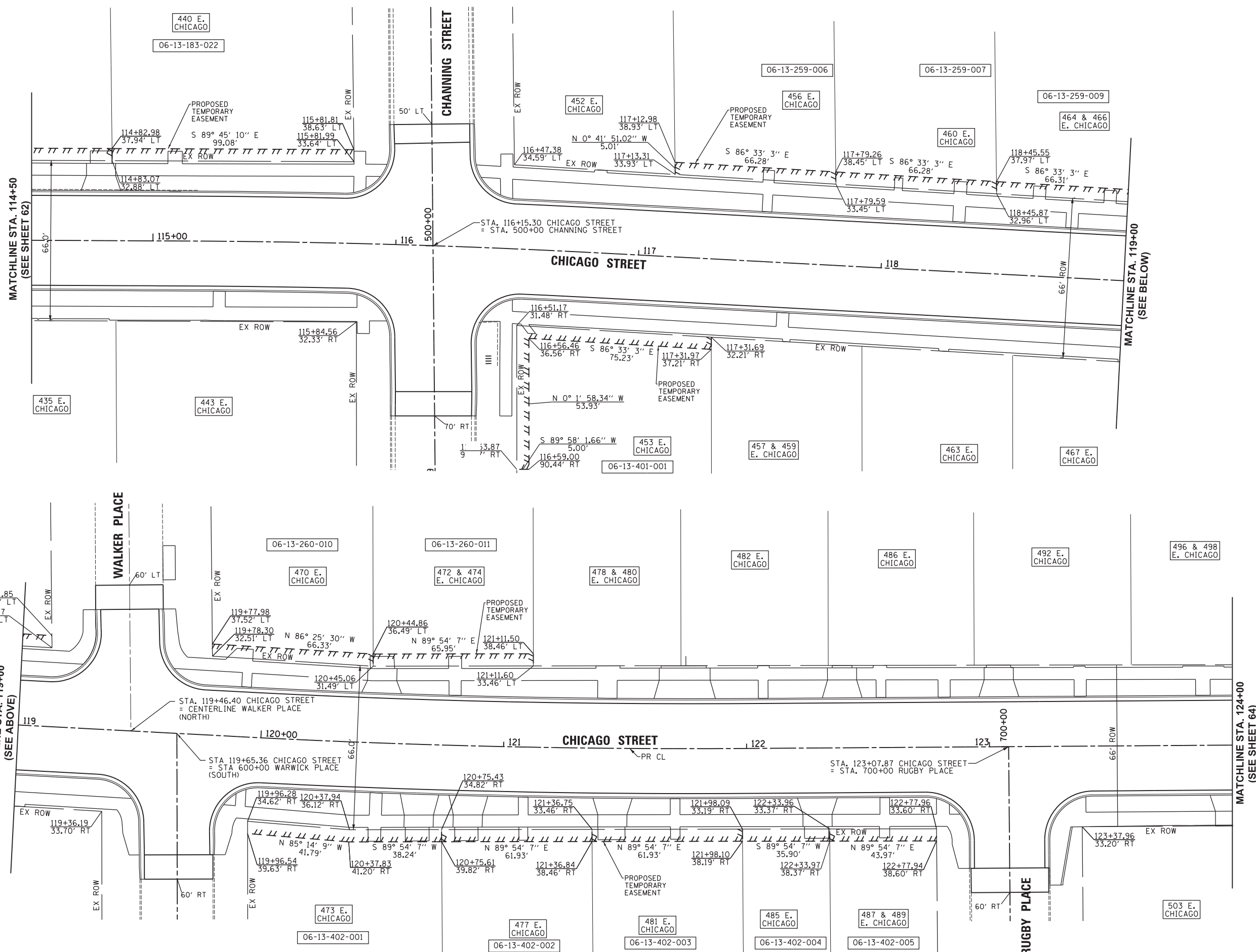
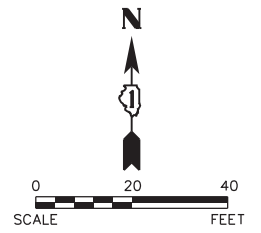
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**RIGHT-OF-WAY PLAN**

SCALE: 1"=20'      SHEET NO. 2 OF 4 SHEETS      STA. 104+50 TO STA. 114+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	62
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EGT04\Draw\Final Eng\EGT04-PLAN\_2018.dwg



Plot#ed: 10/9/2017 7:51:25 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

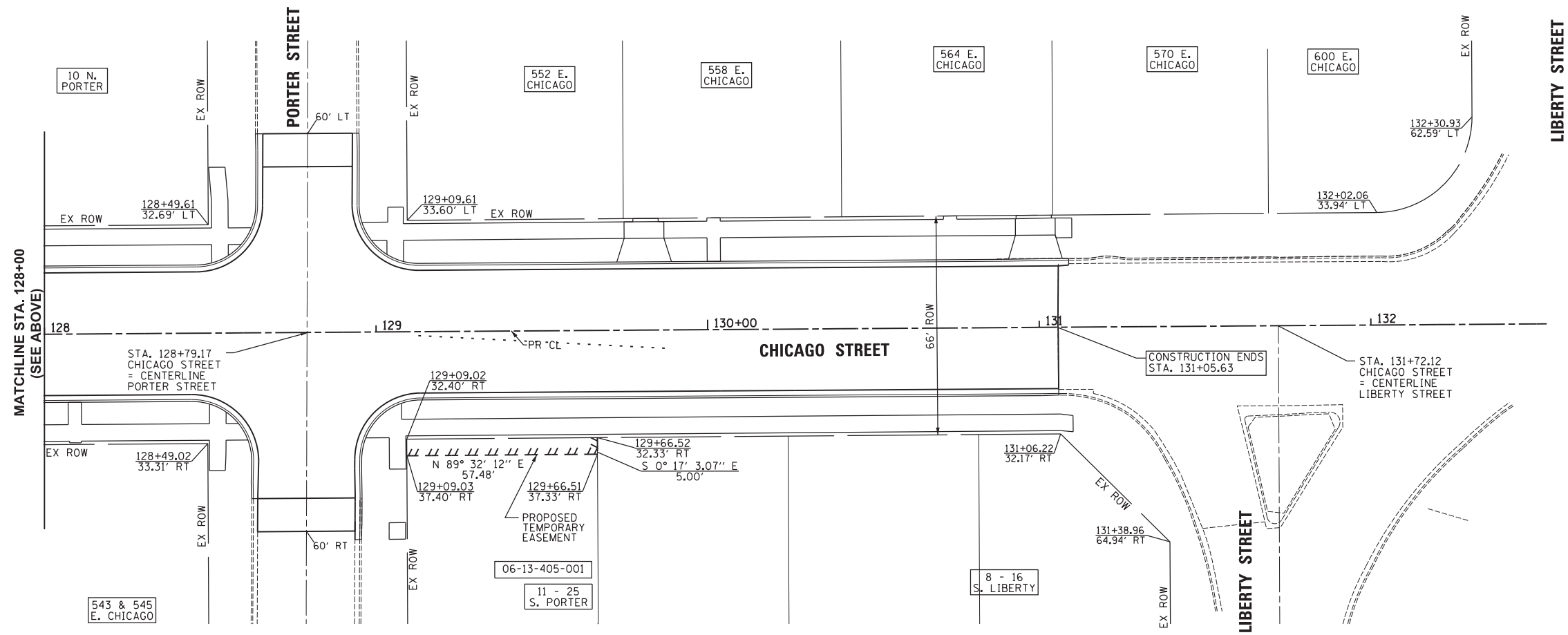
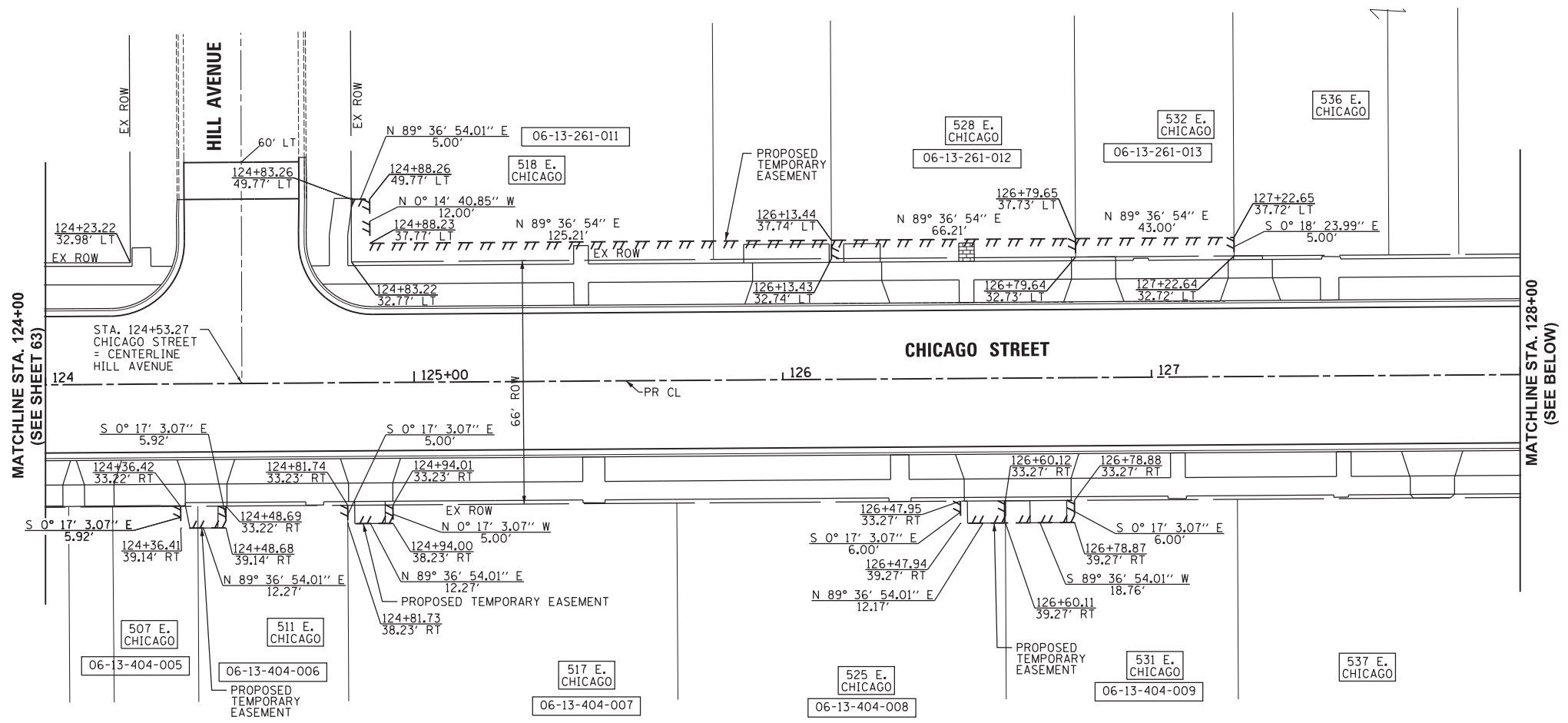
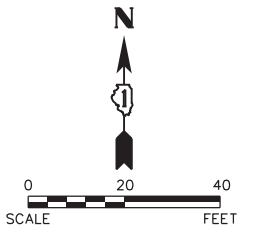
**CHICAGO STREET**  
**RIGHT-OF-WAY PLAN**

SCALE: 1"=20'      SHEET NO. 3 OF 4 SHEETS      STA. 114+50 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	63
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EGT04\_Vign\Draw\Final Eng\EGT04-PLAN\_205C.dgn





Plot#ed: 10/9/2017 7:51:25 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eelweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

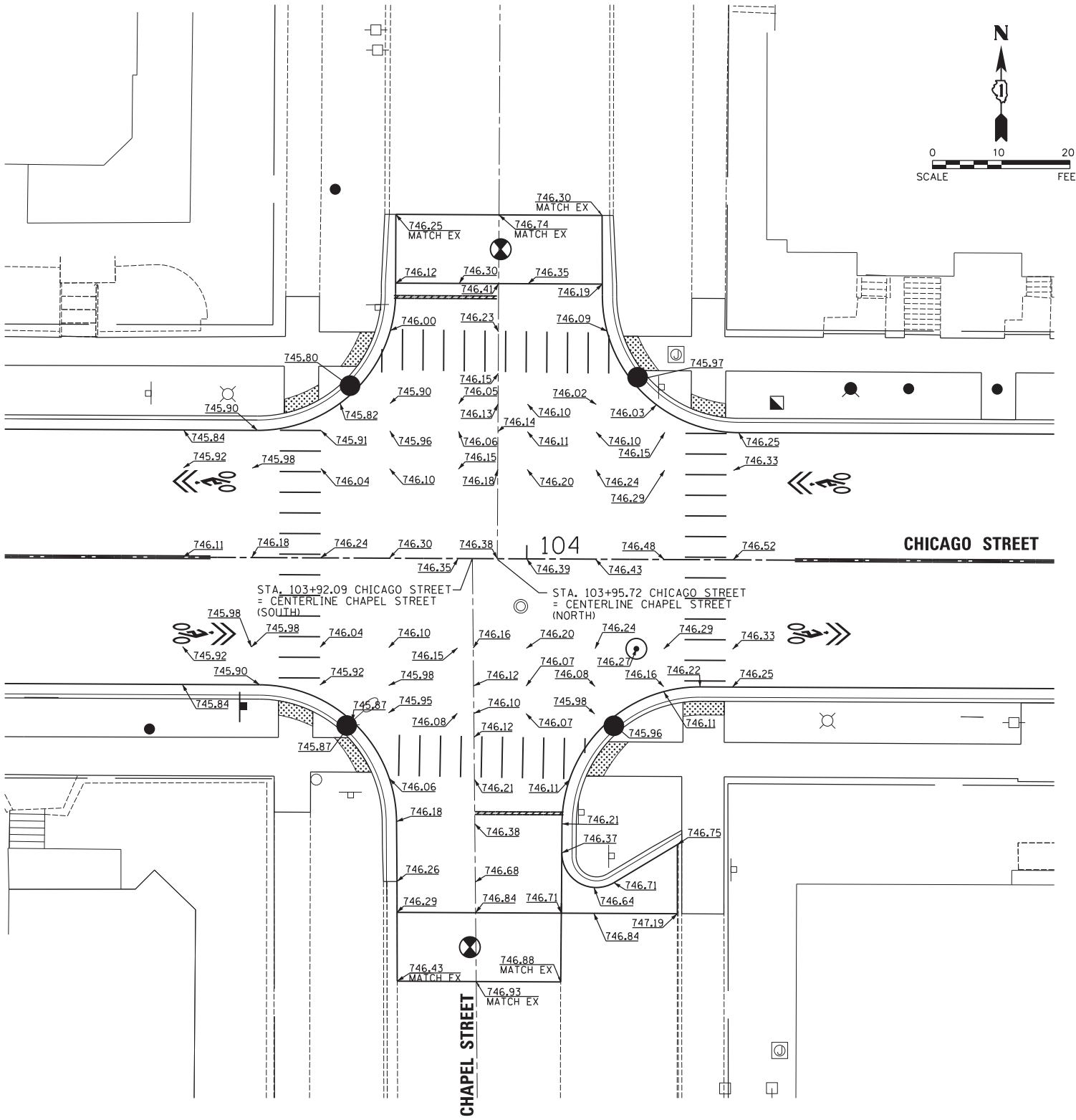
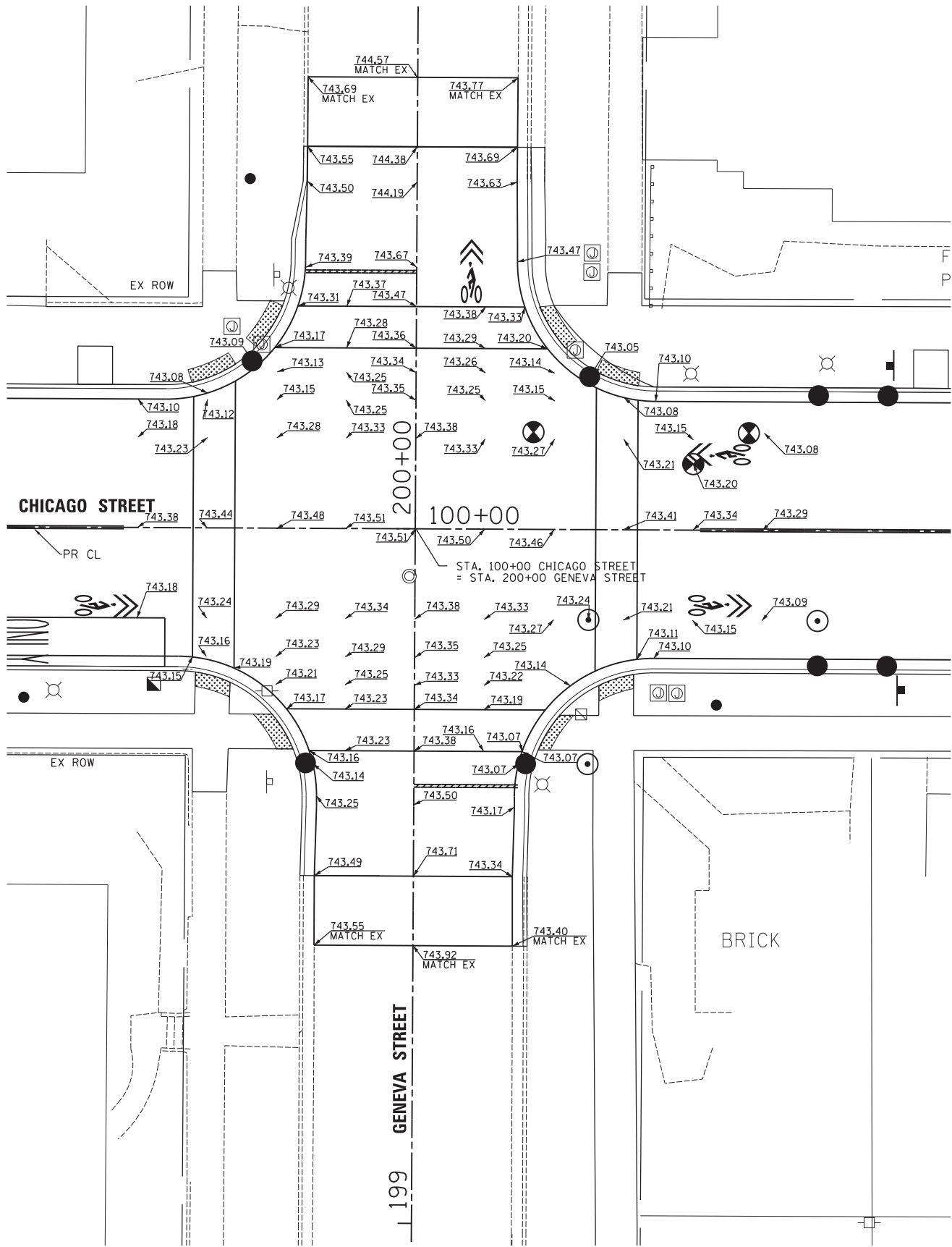
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**RIGHT-OF-WAY PLAN**

SCALE: 1"=20'  
 SHEET NO. 4 OF 4 SHEETS  
 STA. 124+00 TO STA. 131+06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	64
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EGT10A Vign\Draw Final Eng\EGT10A-PLAN 208C.dgn



Plot: 10/9/2017 7:51:51 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

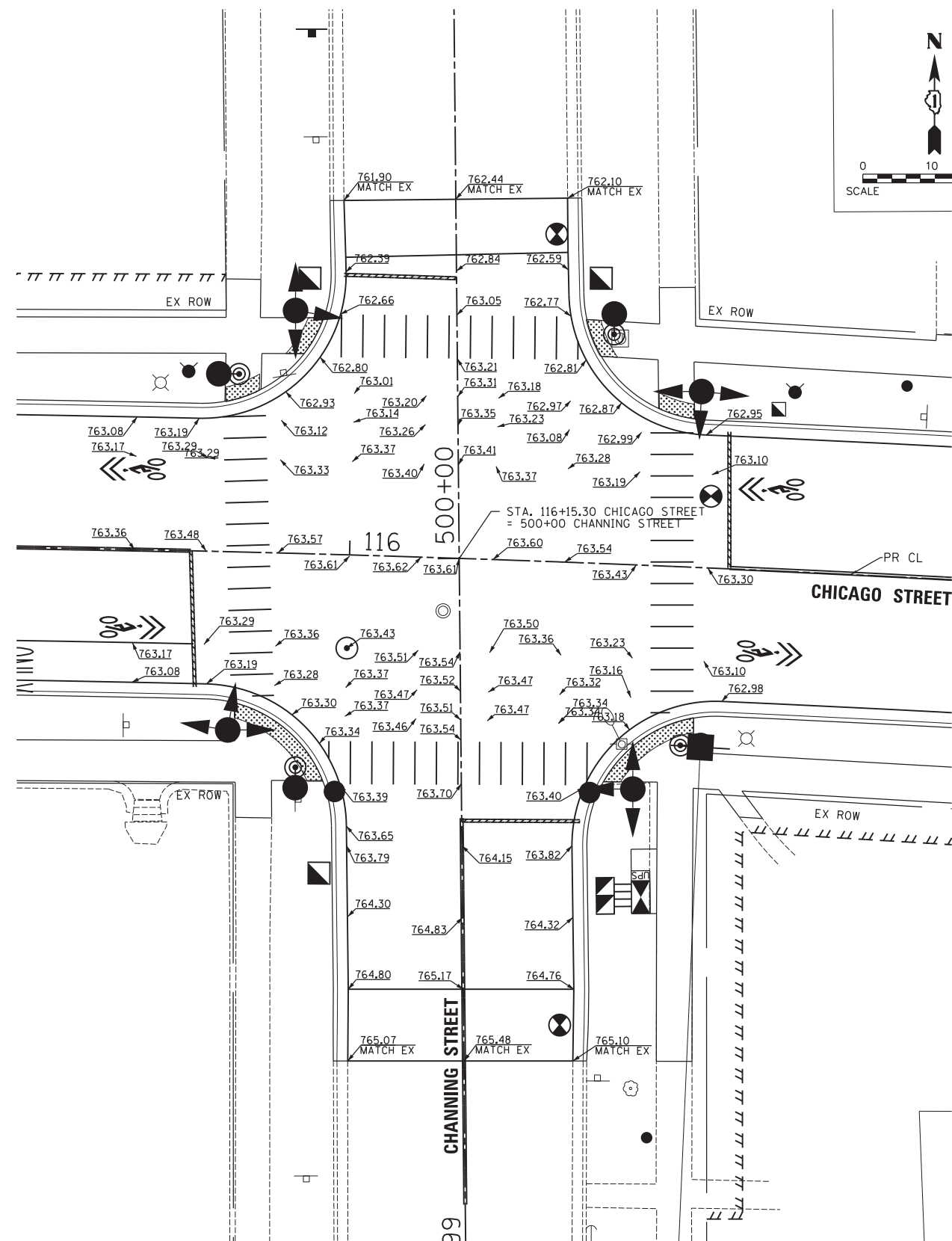
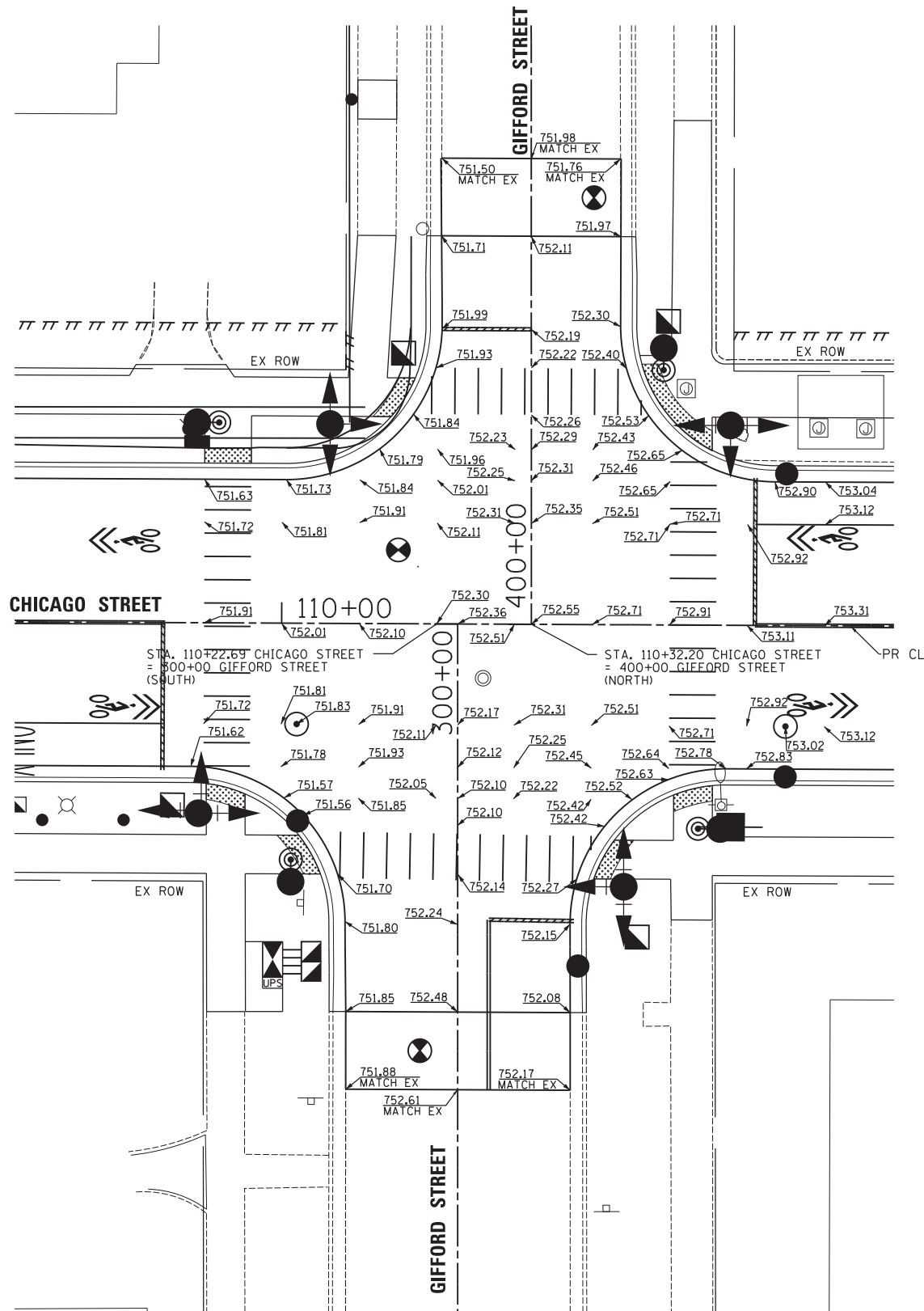
**CHICAGO STREET**  
**INTERSECTION DETAILS**  
**GENEVA STREET & CHAPEL STREET**

SCALE: 1"=10' SHEET NO. 1 OF 4 SHEETS STA. 95+00 TO STA. 104+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	65
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\SBSKProj\EGT04\Drawn\Final Eng\EGT04-PLAN\_2018.dwg



Plot Date: 1/24/2018 3:21:33 PM By: cjt/uch

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

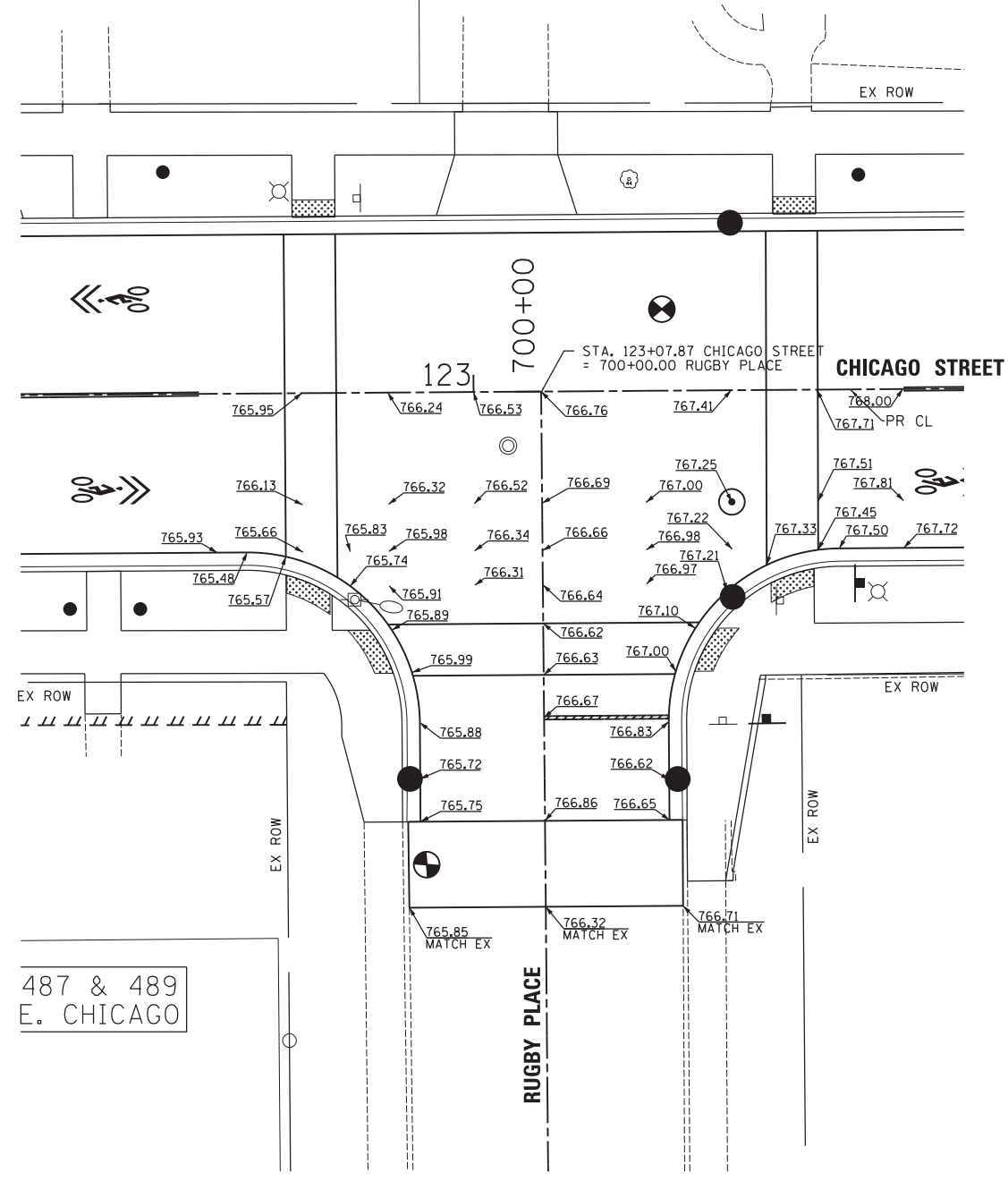
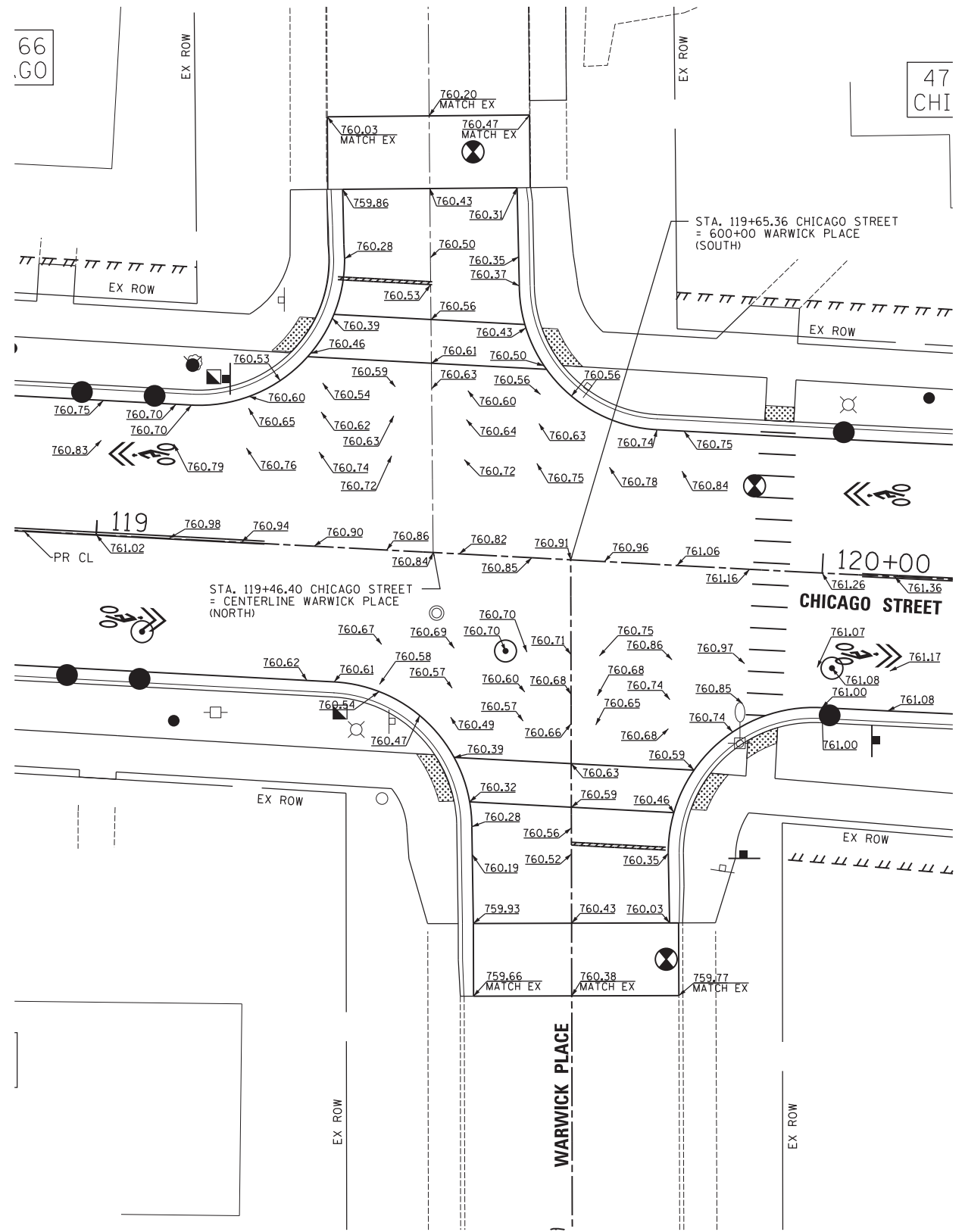
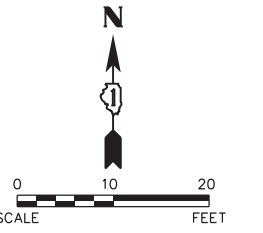
**CHICAGO STREET**  
**INTERSECTION DETAILS**  
**GIFFORD STREET & CHANNING STREET**

SCALE: 1"=10' SHEET NO. 2 OF 4 SHEETS STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	66
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\SBSKProj\EGT04\Drawn\Final Eng\EGT04-PLAN\_2018.dgn



Plot#ed: 10/9/2017 7:51:52 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

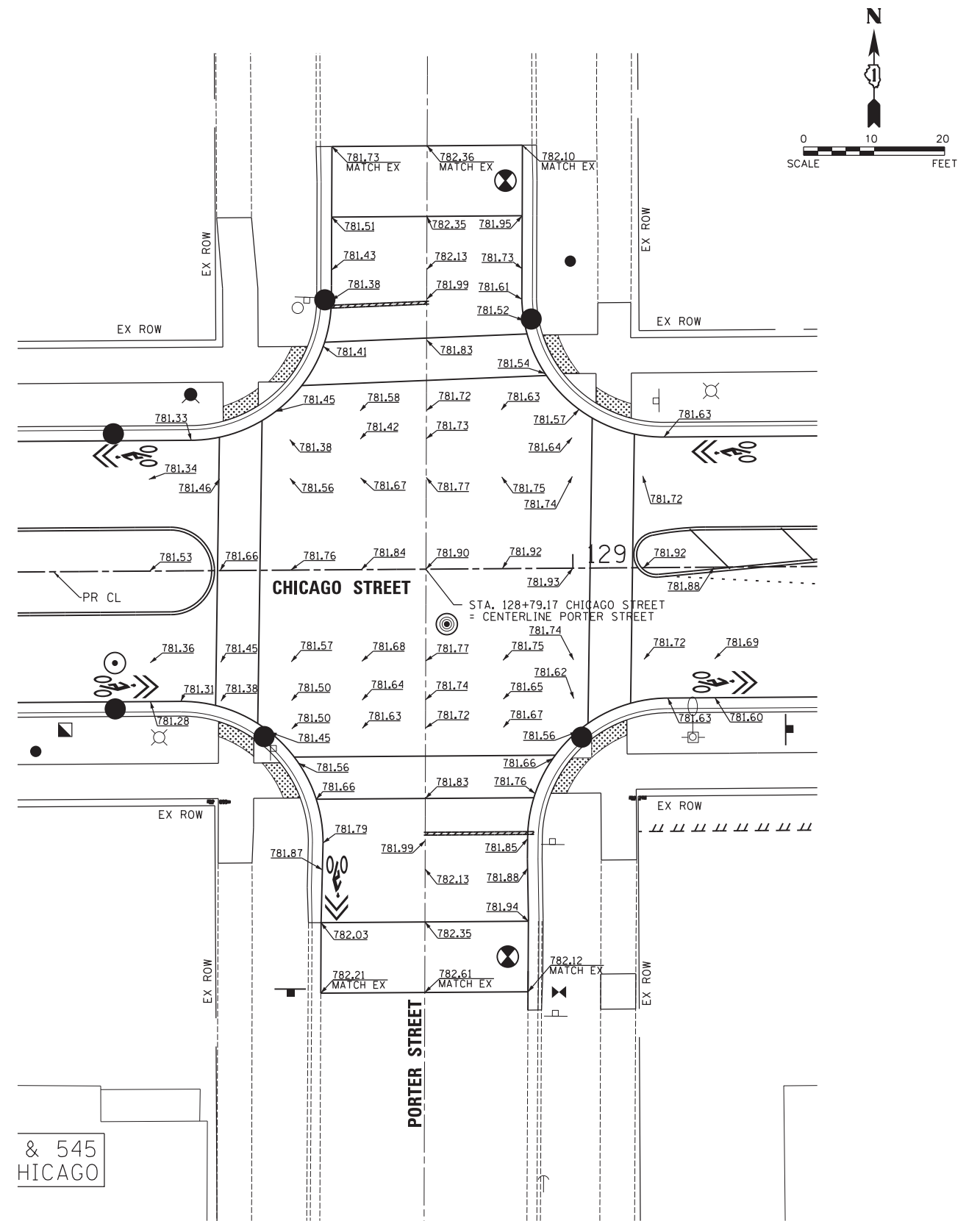
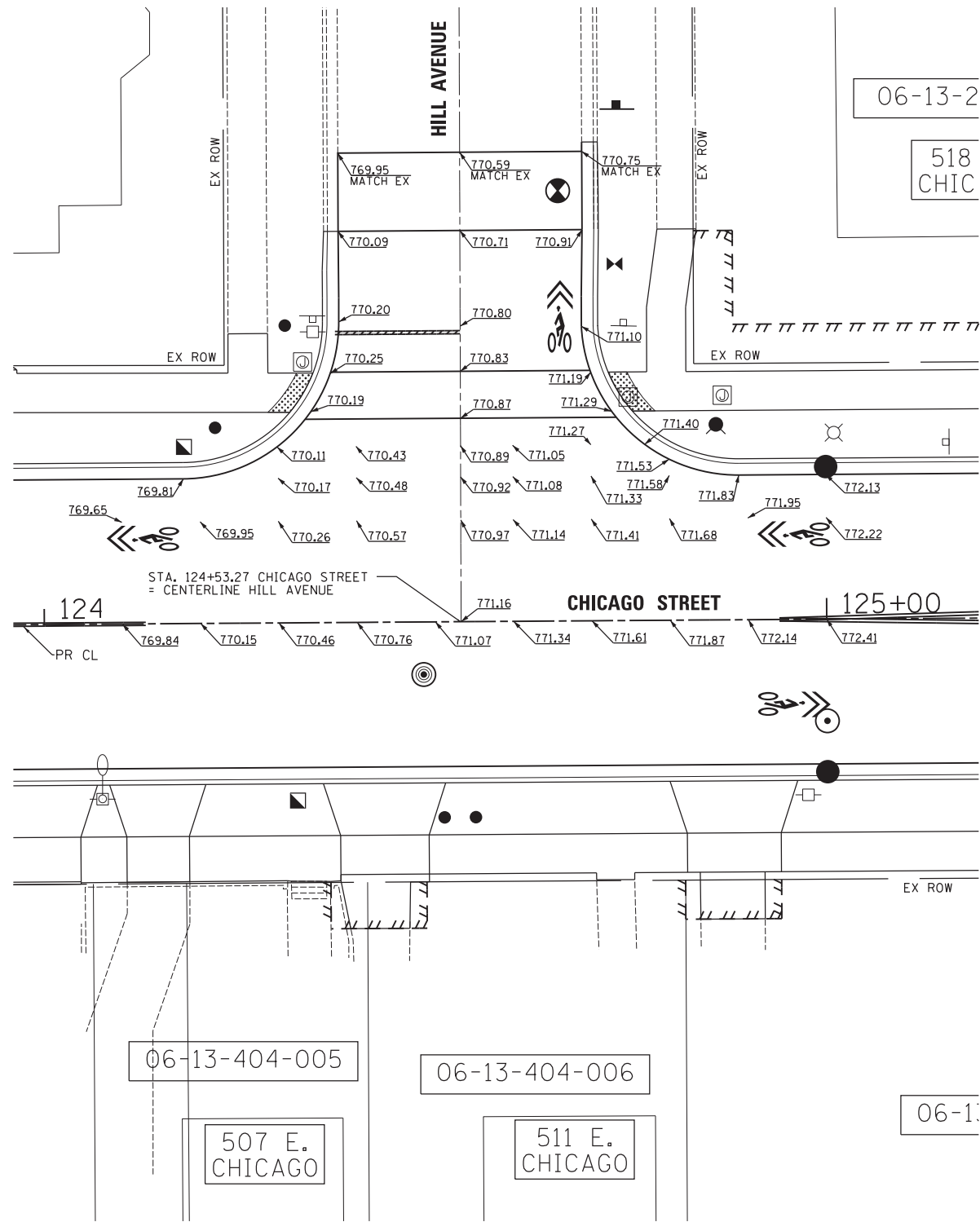
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**INTERSECTION DETAILS**  
**WALKER PLACE & RUGBY PLACE**

SCALE: 1"=10'      SHEET NO. 3 OF 4 SHEETS      STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	67
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EGT104\Drawn\Drawn\Final Eng\EGT104-PLAN\_208C.dgn



Plot#ed: 10/9/2017 7:51:52 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

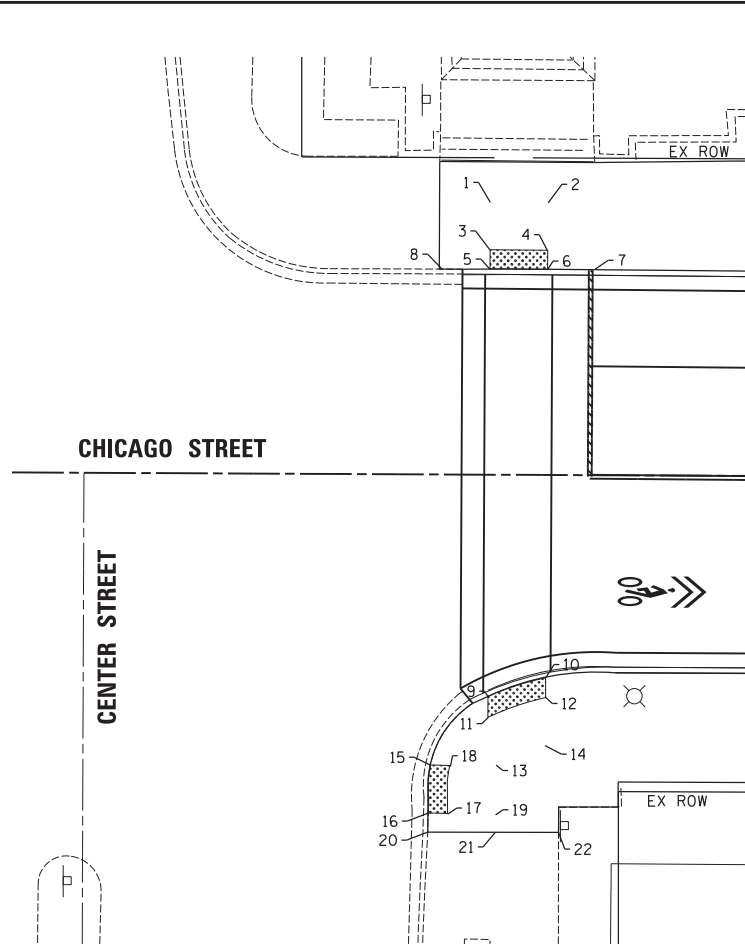
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

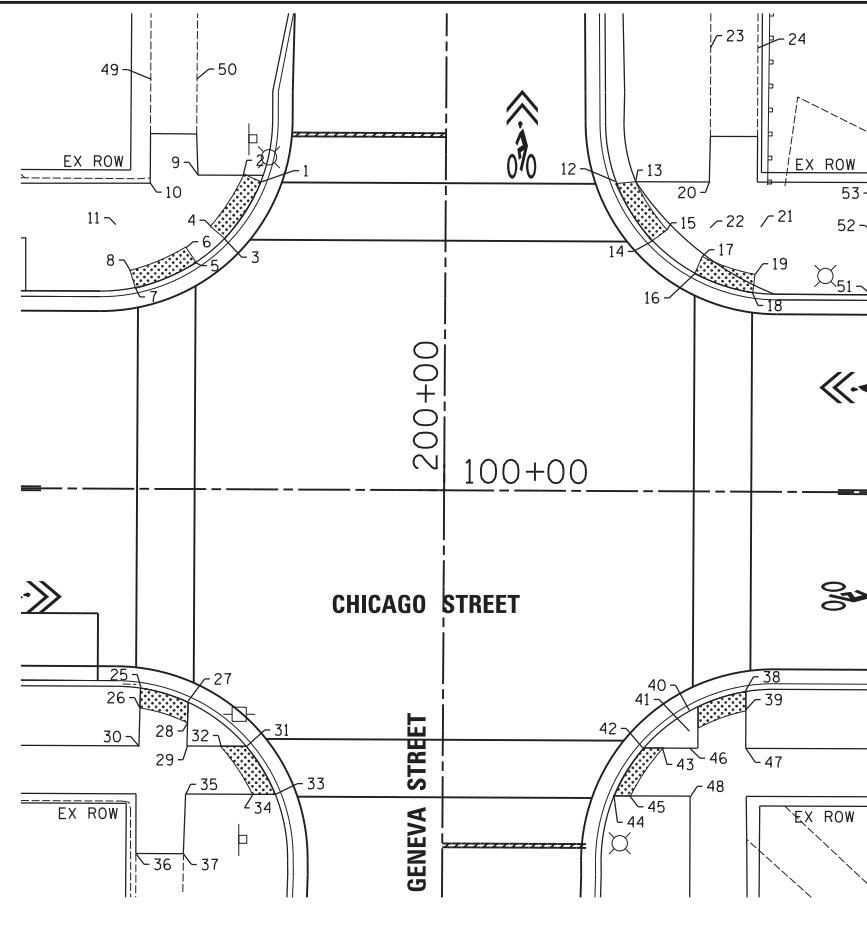
**CHICAGO STREET**  
**INTERSECTION DETAILS**  
**HILL AVENUE & PORTER STREET**

SCALE: 1"=10' SHEET NO. 4 OF 4 SHEETS STA. 103+00 TO STA. 105+00

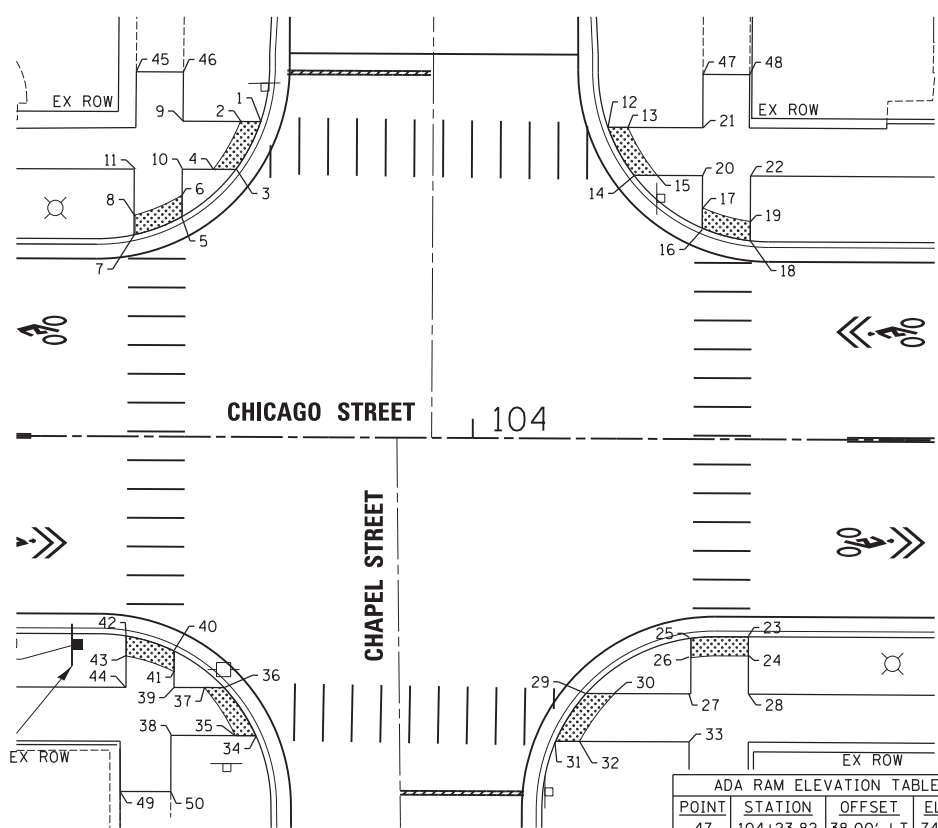
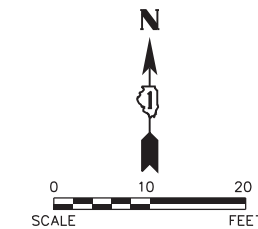
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	68
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				



ADA RAM ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1	96+59.51	28.39' LT	741.71
2	96+65.51	28.36' LT	741.71
3	96+59.51	23.39' LT	741.46
4	96+65.51	23.36' LT	741.48
5	96+59.50	21.39' LT	741.30
6	96+65.50	21.36' LT	741.35
7	96+70.50	21.50' LT	741.77
8	96+54.50	21.40' LT	741.40
9	96+59.50	23.08' RT	741.19
10	96+65.50	21.15' RT	741.35
11	96+59.50	25.28' RT	741.44
12	96+65.50	23.19' RT	741.35
13	96+60.46	30.42' RT	741.58
14	96+65.51	28.15' RT	741.58
15	96+53.53	30.27' RT	741.28
16	96+53.35	35.27' RT	741.19
17	96+55.35	35.31' RT	741.35
18	96+55.57	30.32' RT	741.40
19	96+60.35	35.42' RT	741.58
20	96+53.29	37.29' RT	741.19
21	96+60.41	37.49' RT	741.62
22	96+66.92	37.57' RT	741.70

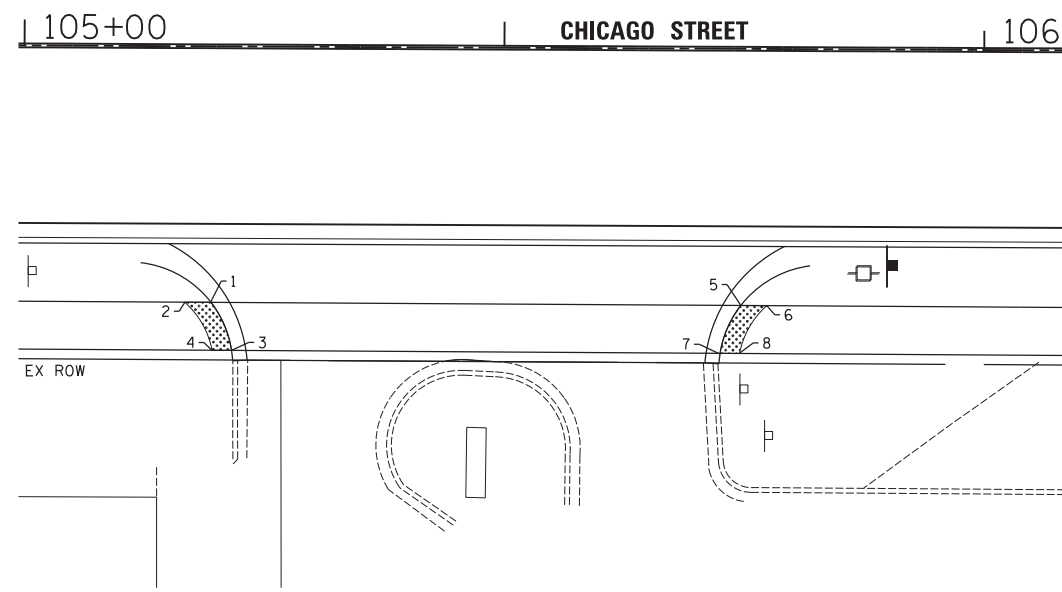


ADA RAM ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1	99+80.78	32.04' LT	743.32
2	99+78.98	32.84' LT	743.32
3	99+77.01	26.10' LT	743.16
4	99+75.51	27.38' LT	743.21
5	99+74.07	23.59' LT	743.08
6	99+72.96	25.21' LT	743.17
7	99+67.75	20.88' LT	743.13
8	99+67.15	22.75' LT	743.19
9	99+74.19	32.72' LT	743.28
10	99+69.22	31.85' LT	743.35
11	99+65.62	27.51' LT	743.33
12	100+17.72	32.03' LT	743.35
13	100+19.58	32.70' LT	743.36
14	100+21.51	26.07' LT	743.19
15	100+23.09	27.23' LT	743.25
16	100+25.99	22.67' LT	743.05
17	100+26.76	24.48' LT	743.17
18	100+32.05	20.69' LT	743.12
19	100+32.28	22.65' LT	743.19
20	100+27.48	32.25' LT	743.37
21	100+32.87	27.61' LT	743.37
22	100+23.09	27.31' LT	743.30
23	100+27.56	46.22' LT	743.40
24	100+32.47	46.26' LT	743.54
25	99+68.46	20.67' RT	743.16
26	99+68.39	22.73' RT	743.32
27	99+73.43	22.13' RT	743.24
28	99+73.37	24.27' RT	743.34
29	99+73.32	26.78' RT	743.50
30	99+68.30	26.78' RT	743.62
31	99+79.58	26.78' RT	743.19
32	99+76.89	26.77' RT	743.32
33	99+82.60	31.78' RT	743.16
34	99+80.26	31.80' RT	743.29
35	99+73.20	31.78' RT	743.62
36	99+68.05	38.00' RT	743.84
37	99+73.00	38.00' RT	743.81
38	100+31.48	20.76' RT	743.11
39	100+31.50	22.76' RT	743.30
40	100+25.62	22.80' RT	743.16
41	100+25.68	25.00' RT	743.37
42	100+20.85	26.76' RT	743.13
43	100+22.88	26.74' RT	743.30
44	100+17.82	31.76' RT	743.10
45	100+19.49	31.76' RT	743.21
46	100+25.70	26.76' RT	743.55
47	100+31.55	26.75' RT	743.62
48	100+25.78	31.76' RT	743.62



ADA RAM ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1	103+77.80	32.87' LT	746.00
2	103+75.68	32.86' LT	746.10
3	103+75.26	27.86' LT	745.88
4	103+72.87	27.87' LT	746.06
5	103+69.58	22.84' LT	745.85
6	103+69.59	25.10' LT	746.06
7	103+64.71	20.96' LT	745.88
8	103+64.71	23.00' LT	746.04
9	103+69.66	32.86' LT	746.37
10	103+69.60	27.86' LT	746.30
11	103+64.73	27.86' LT	746.37
12	104+13.84	32.44' LT	746.14
13	104+15.91	32.45' LT	746.20
14	104+16.57	27.44' LT	746.00
15	104+19.00	27.45' LT	746.16
16	104+23.80	21.89' LT	746.11
17	104+23.81	24.02' LT	746.27
18	104+28.60	20.65' LT	746.21
19	104+28.61	22.64' LT	746.33
20	104+23.81	27.45' LT	746.50
21	104+23.81	32.45' LT	746.58
22	104+28.64	27.44' LT	746.58
23	104+28.83	20.52' RT	746.27
24	104+28.82	22.49' RT	746.37
25	104+22.65	20.70' RT	746.22
26	104+22.66	22.71' RT	746.36
27	104+22.67	26.55' RT	746.60
28	104+28.87	26.56' RT	746.68
29	104+11.88	26.56' RT	746.08
30	104+14.88	26.55' RT	746.27
31	104+08.76	31.56' RT	746.19
32	104+11.25	31.55' RT	746.32
33	104+22.70	31.55' RT	747.05
34	103+77.62	31.14' RT	746.03
35	103+75.50	31.14' RT	746.09
36	103+74.29	26.13' RT	745.91
37	103+72.22	26.11' RT	746.00
38	103+68.70	31.14' RT	746.23
39	103+69.00	26.14' RT	746.15
40	103+68.98	22.26' RT	745.87
41	103+68.99	24.39' RT	746.03
42	103+63.97	20.70' RT	745.90
43	103+63.99	22.78' RT	746.02
44	103+64.00	26.15' RT	746.23
45	103+64.77	38.00' LT	746.73
46	103+69.68	38.00' LT	746.62

ADA RAM ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1	105+19.55	26.68' RT	747.14
2	105+16.80	26.67' RT	747.14
3	105+21.72	31.68' RT	747.21
4	105+19.69	31.68' RT	747.21
5	105+74.75	26.75' RT	747.40
6	105+77.46	26.75' RT	747.42
7	105+72.62	31.75' RT	747.45
8	105+74.65	31.75' RT	747.47



Plot: 11/14/2017 4:35:48 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**ADA RAMP ELEVATION PLAN**

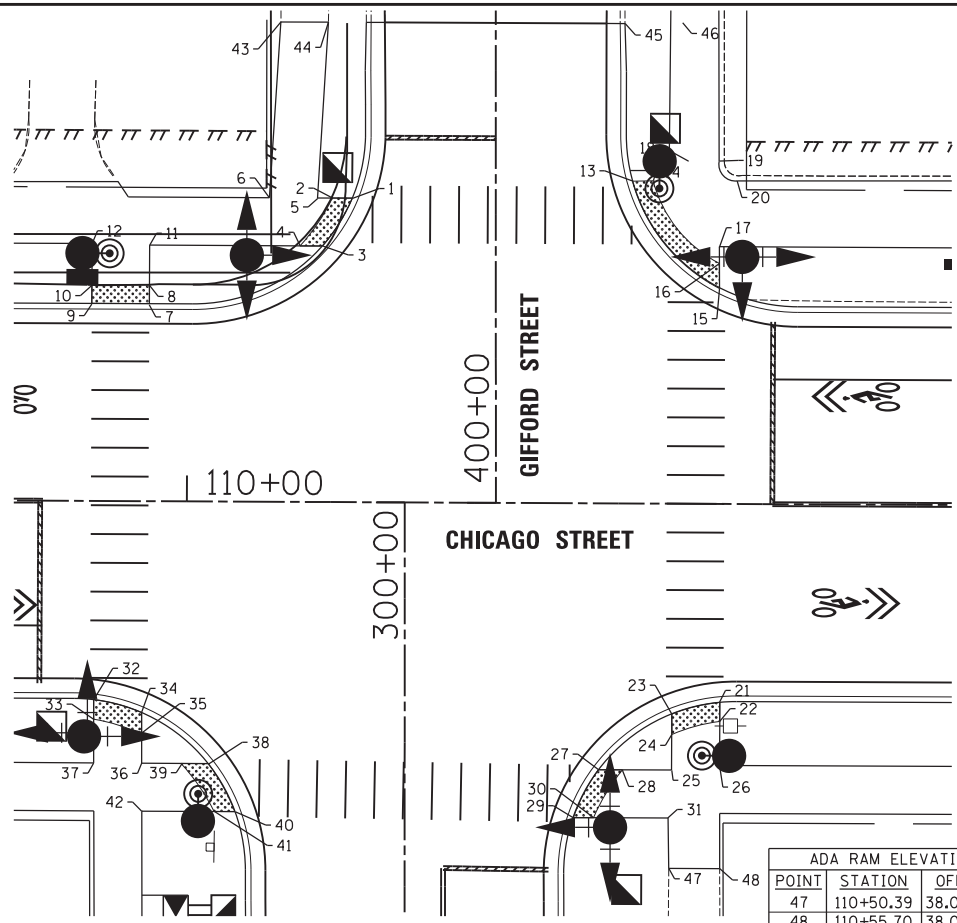
SCALE: 1"=10'      SHEET NO. 1 OF 3 SHEETS      STA. 95+00 TO STA. 104+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	69

CONTRACT NO. 61E15  
ILLINOIS FED. AID PROJECT

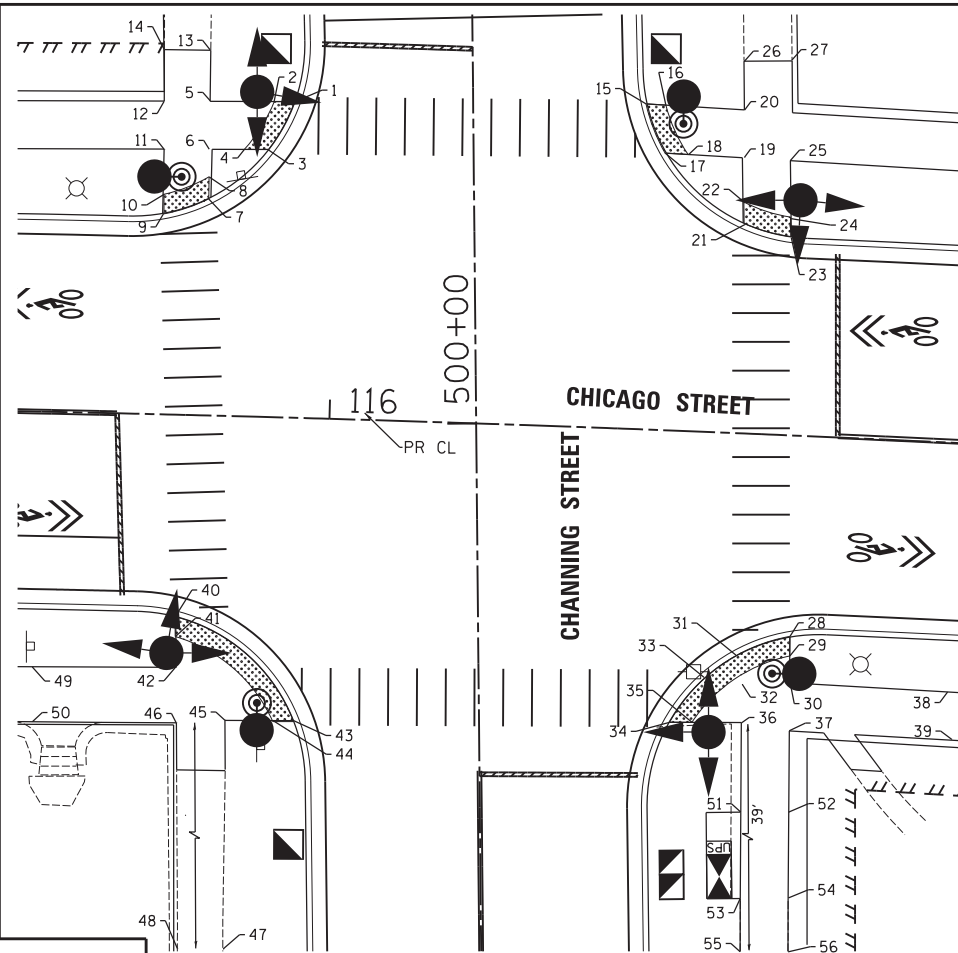
COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\SBSKProj\EG104\Drawn\Final Eng\EG104-PLAN\_2018.dwg



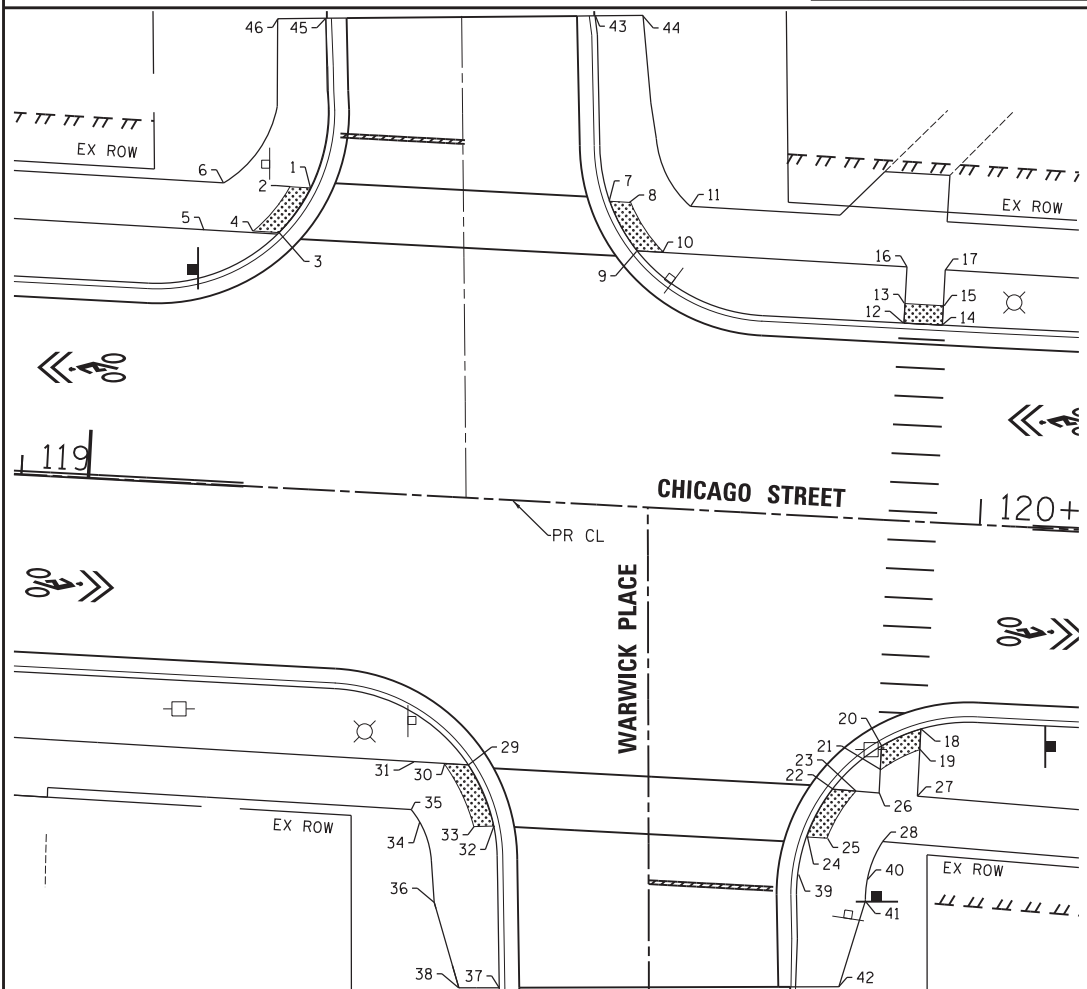
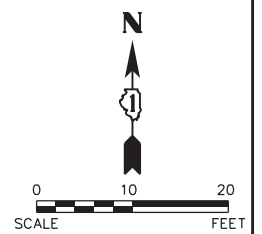
POINT	STATION	OFFSET	ELEV.
1	110+17.11	31.68' LT	751.93
2	110+13.46	31.67' LT	752.02
3	110+14.04	26.67' LT	751.84
4	110+11.69	26.67' LT	752.00
5	110+13.46	31.67' LT	752.08
6	110+08.45	31.68' LT	752.12
7	109+96.00	20.51' LT	751.72
8	109+95.99	22.47' LT	752.69
9	109+90.00	20.50' LT	751.66
10	109+89.99	22.46' LT	751.65
11	109+96.00	26.70' LT	751.62
12	109+90.00	26.83' LT	751.62
13	110+46.26	33.58' LT	752.43
14	110+48.42	33.63' LT	752.47
15	110+55.40	22.44' LT	752.75
16	110+55.36	25.07' LT	752.66
17	110+55.36	26.75' LT	752.60
18	110+52.04	35.72' LT	752.64
19	110+55.30	35.73' LT	752.69
20	110+57.17	33.66' LT	752.60
21	110+55.60	20.59' RT	752.71
22	110+55.61	22.58' RT	752.80
23	110+50.11	22.04' RT	752.64
24	110+50.15	24.16' RT	752.77
25	110+50.21	27.75' RT	753.00
26	110+55.64	27.25' RT	753.00
27	110+42.97	27.75' RT	752.42
28	110+45.47	27.75' RT	752.63
29	110+40.37	32.76' RT	752.31
30	110+42.48	32.75' RT	752.47
31	110+50.30	32.75' RT	753.05
32	109+90.38	20.61' RT	751.62
33	109+90.40	22.66' RT	751.77
34	109+95.39	21.95' RT	751.60
35	109+95.40	24.20' RT	751.77
36	109+95.42	27.30' RT	752.08
37	109+90.42	27.30' RT	752.08
38	110+02.43	27.31' RT	751.61
39	109+99.59	27.31' RT	751.79
40	110+05.21	32.30' RT	751.73
41	110+03.06	32.30' RT	751.80
42	109+95.46	32.30' RT	752.08
43	110+09.56	50.00' LT	752.14
44	110+14.52	50.00' LT	752.05
45	110+45.42	50.00' LT	752.38
46	110+51.42	50.00' LT	752.49

POINT	STATION	OFFSET	ELEV.
47	110+50.39	38.00' RT	753.11
48	110+55.70	38.00' RT	753.15

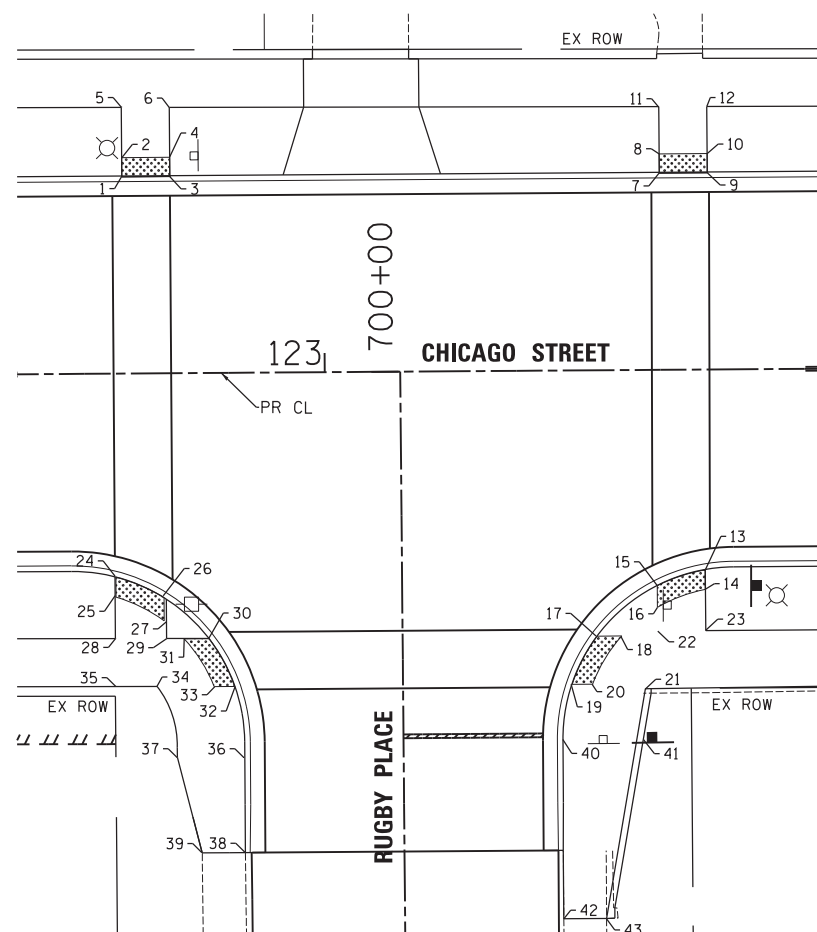


POINT	STATION	OFFSET	ELEV.
1	115+95.44	32.93' LT	762.74
2	115+93.35	32.88' LT	762.81
3	115+92.90	27.87' LT	762.83
4	115+90.39	27.81' LT	762.91
5	115+86.73	32.73' LT	763.07
6	115+86.79	27.73' LT	763.05
7	115+86.85	22.58' LT	763.03
8	115+86.83	24.87' LT	763.04
9	115+82.25	20.89' LT	763.12
10	115+82.20	22.93' LT	763.10
11	115+82.11	27.64' LT	763.00
12	115+82.00	32.64' LT	763.07
13	115+86.66	38.06' LT	763.05
14	115+81.89	38.00' LT	763.09
15	116+31.71	33.91' LT	762.91
16	116+33.76	33.86' LT	762.94
17	116+33.86	28.86' LT	762.83
18	116+36.26	28.81' LT	763.01
19	116+41.87	33.69' LT	763.40
20	116+42.03	28.69' LT	763.47
21	116+42.40	21.73' LT	762.90
22	116+42.29	23.95' LT	763.08
23	116+47.29	20.57' LT	763.00
24	116+47.18	22.59' LT	763.09
25	116+46.85	28.60' LT	763.47
26	116+41.63	38.75' LT	763.22
27	116+46.58	39.00' LT	763.22
28	116+48.92	20.93' RT	763.06
29	116+48.99	22.96' RT	763.22
30	116+49.08	25.44' RT	763.40
31	116+43.91	22.90' RT	763.13
32	116+44.03	26.16' RT	763.32
33	116+39.57	26.21' RT	763.26
34	116+36.67	30.38' RT	763.38
35	116+39.01	30.33' RT	763.43
36	116+44.21	30.11' RT	763.55
37	116+49.28	30.76' RT	763.55
38	116+66.22	25.96' RT	764.32
39	116+66.43	30.96' RT	764.40
40	115+84.50	20.94' RT	763.24
41	115+84.57	23.02' RT	763.38
42	115+84.67	26.32' RT	763.55
43	115+97.23	31.55' RT	763.40
44	115+95.04	31.60' RT	763.45
45	115+89.95	31.71' RT	763.54
46	115+84.84	32.09' RT	763.60

POINT	STATION	OFFSET	ELEV.
47	115+90.65	66.95' RT	765.94
48	115+85.81	67.08' RT	766.13
49	115+69.60	26.60' RT	764.60
50	115+69.70	32.32' RT	764.68
51	116+44.53	39.44' RT	764.15
52	116+49.59	39.22' RT	764.22
53	116+44.87	48.43' RT	764.91
54	116+49.92	48.17' RT	764.98
55	116+44.87	70.00' RT	766.77
56	116+49.92	70.00' RT	766.91



POINT	STATION	OFFSET	ELEV.
1	119+28.50	31.37' LT	760.43
2	119+26.35	31.39' LT	760.49
3	119+25.46	26.56' LT	760.52
4	119+22.78	26.58' LT	760.56
5	119+17.66	26.44' LT	760.61
6	119+19.45	31.43' LT	760.67
7	119+59.59	31.64' LT	760.47
8	119+61.76	31.62' LT	760.52
9	119+62.69	26.63' LT	760.54
10	119+65.45	26.61' LT	760.57
11	119+68.14	31.56' LT	760.68
12	119+73.00	20.79' LT	760.92
13	119+73.00	22.83' LT	761.09
14	119+78.00	20.50' LT	760.94
15	119+78.00	22.50' LT	761.11
16	119+73.00	26.56' LT	761.44
17	119+78.00	26.52' LT	761.44
18	119+90.20	24.08' RT	760.79
19	119+91.38	25.70' RT	760.86
20	119+91.00	23.51' RT	760.79
21	119+91.00	26.00' RT	760.75
22	119+86.16	28.30' RT	760.64
23	119+88.60	28.38' RT	760.67
24	119+83.75	33.41' RT	760.53
25	119+85.84	33.43' RT	760.55
26	119+91.00	28.45' RT	760.70
27	119+93.42	28.53' RT	760.77
28	119+91.64	33.47' RT	760.63
29	119+48.28	27.78' RT	760.41
30	119+45.77	27.79' RT	760.48
31	119+42.44	27.74' RT	760.54
32	119+51.27	34.02' RT	760.33
33	119+49.21	34.18' RT	760.39
34	119+43.73	34.61' RT	760.46
35	119+42.40	32.74' RT	760.46
36	119+45.31	42.26' RT	760.68
37	119+52.81	50.79' RT	760.49
38	119+48.35	51.04' RT	760.10
39	119+83.20	37.43' RT	760.81
40	119+90.25	37.46' RT	760.88
41	119+90.17	39.75' RT	760.82
42	119.87.88	48.88' RT	760.48
43	119+57.15	50.85' LT	760.57
44	119+62.14	51.16' LT	760.69
45	119+29.16	49.12' LT	760.11
46	119+24.15	48.81' LT	759.97



POINT	STATION	OFFSET	ELEV.
1	122+79.00	20.50' LT	766.05
2	122+79.00	22.50' LT	765.99
3	122+84.00	20.50' LT	766.12
4	122+84.00	22.50' LT	766.12
5	122+79.00	27.73' LT	765.78
6	122+84.00	27.70' LT	765.93
7	123+35.00	20.50' LT	767.70
8	123+35.00	22.50' LT	767.71
9	123+40.00	20.50' LT	767.84
10	123+40.00	22.50' LT	767.86
11	123+35.00	27.44' LT	767.78
12	123+40.00	27.41' LT	767.89
13	123+39.52	20.74' RT	767.46
14	123+39.52	22.77' RT	767.38
15	123+34.52	22.35' RT	767.35
16	123+34.52	24.62' RT	767.27
17	123+28.10	27.70' RT	767.16
18	123+30.69	27.70' RT	767.16
19	123+25.48	32.70' RT	767.03
20	123+27.61	32.70' RT	767.07
21	123+33.19	33.21' RT	767.16
22	123+34.52	27.20' RT	767.16
23	123+39.52	27.20' RT	765.49
24	122+78.00	21.08' RT	765.52
25	122+78.00	23.16' RT	765.46
26	122+83.34	23.46' RT	765.50
27	122+83.34	25.93' RT	765.60
28	122+78.00	27.60' RT	765.53
29	122+83.34	27.63' RT	765.44
30	122+87.79	27.66' RT	765.49
31	122+85.18	27.64' RT	765.41
32	122+90.44	32.69' RT	765.43
33	122+88.32	32.69' RT	765.43
34	122+82.32	32.63' RT	765.51
35	122+78.00	32.60' RT	765.68
36	122+91.38	40.07' RT	766.25
37	122+84.37	40.01' RT	766.32
38	122+91.39	50.00' RT	765.82
39	122+86.89	50.00' RT	766.39
40	123+24.58	37.27' RT	767.28
41	123+32.48	37.22' RT	767.35
42	123+24.52	57.12' RT	767.23
43	123+28.98	57.12' RT	767.38

Plot Date: 1/24/2018 3:21:33 PM By: c/jat/uch

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eelweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED	REVISIONS
-	-
DRAWN	REVISED -
CHECKED	REVISED -
DATE	REVISED -

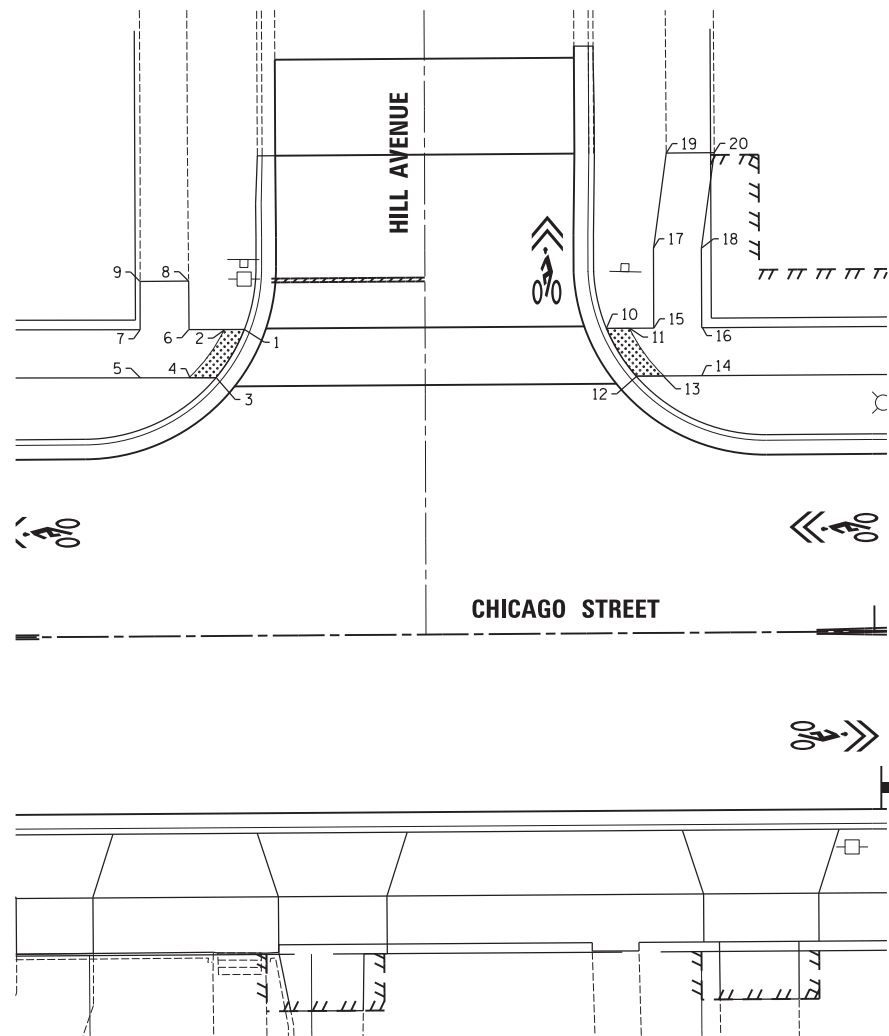
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**ADA RAMP ELEVATION PLAN**

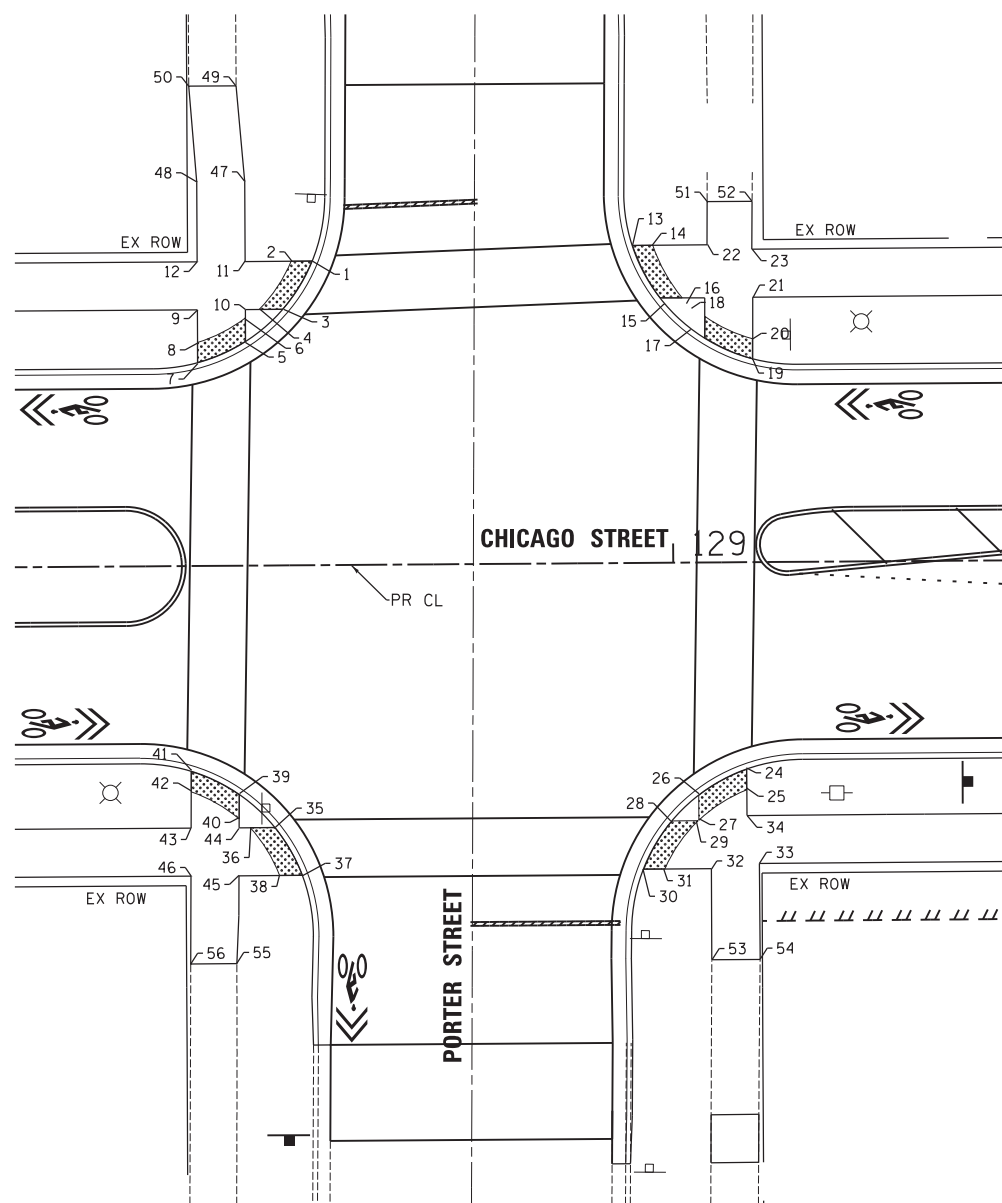
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	70
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=10' SHEET NO. 2 OF 3 SHEETS STA. 103+00 TO STA. 105+00

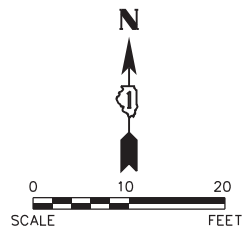
Path: H:\SBSKProj\510104 Vign\Drawn Final Eng\510104-PLAN 2018.dgn



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1	124+34.60	31.91' LT	770.27
2	124+32.60	31.93' LT	770.27
3	124+31.63	26.91' LT	770.20
4	124+28.83	26.93' LT	770.36
5	124+23.67	26.96' LT	770.38
6	124+28.80	31.95' LT	770.28
7	124+23.70	31.97' LT	770.30
8	124+28.79	37.00' LT	770.39
9	124+23.73	37.00' LT	770.27
10	124+72.26	31.77' LT	771.24
11	124+74.63	31.77' LT	771.42
12	124+75.28	26.77' LT	771.36
13	124+78.19	26.77' LT	771.55
14	124+82.21	26.77' LT	771.63
15	124+77.22	31.77' LT	771.63
16	124+82.22	31.77' LT	771.70
17	124+77.24	40.00' LT	771.88
18	124+82.24	40.00' LT	771.95
19	124+78.64	50.00' LT	771.76
20	124+83.65	50.00' LT	771.90



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1	128+62.65	31.69' LT	781.44
2	128+60.49	31.69' LT	781.55
3	128+59.59	26.69' LT	781.45
4	128+57.13	26.69' LT	781.60
5	128+55.59	23.26' LT	781.46
6	128+55.59	25.68' LT	781.63
7	128+50.58	21.09' LT	781.40
8	128+50.59	23.16' LT	781.57
9	128+50.60	26.69' LT	781.77
10	128+55.60	26.69' LT	781.70
11	128+55.61	31.69' LT	781.77
12	128+50.61	31.69' LT	781.85
13	128+95.94	33.09' LT	781.54
14	128+98.04	33.09' LT	781.70
15	128+99.23	27.00' LT	781.57
16	129+01.54	26.98' LT	781.73
17	129+02.00	24.31' LT	781.60
18	129+02.06	26.49' LT	781.76
19	129+08.39	21.12' LT	781.63
20	129+08.40	23.19' LT	781.74
21	129+08.44	27.60' LT	781.97
22	129+03.75	33.10' LT	781.97
23	129+08.41	32.60' LT	782.05
24	129+07.50	21.44' RT	781.61
25	129+07.50	23.57' RT	781.72
26	129+02.50	24.10' RT	781.57
27	129+02.50	26.70' RT	781.78
28	128+99.55	26.91' RT	781.61
29	129+02.28	26.91' RT	781.79
30	128+96.60	31.91' RT	781.67
31	128+98.77	31.91' RT	781.74
32	129+03.75	31.90' RT	781.90
33	129+08.76	31.40' RT	781.97
34	129+07.50	26.40' RT	781.87
35	128+58.34	27.30' RT	781.57
36	128+55.78	27.30' RT	781.69
37	128+61.16	32.31' RT	781.69
38	128+58.79	32.30' RT	781.74
39	128+54.61	23.74' RT	781.47
40	128+54.59	26.24' RT	781.66
41	128+49.64	21.29' RT	781.40
42	128+49.61	23.39' RT	781.54
43	128+49.58	27.31' RT	781.82
44	128+54.58	27.31' RT	781.75
45	128+54.53	32.31' RT	781.82
46	128+49.53	32.31' RT	781.90
47	128+55.62	40.00' LT	782.12
48	128+50.62	40.00' LT	782.19
49	128+54.80	50.00' LT	782.55
50	128+49.86	50.00' LT	782.61
51	129+03.79	37.60' LT	782.60
52	129+08.48	37.60' LT	782.69
53	129+03.73	41.40' RT	782.54
54	129+08.77	41.40' RT	783.23
55	128+54.24	41.46' RT	782.37
56	128+49.44	41.46' RT	782.48



Plot#ed: 11/14/2017 4:35:48 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**ADA RAMP ELEVATION PLAN**

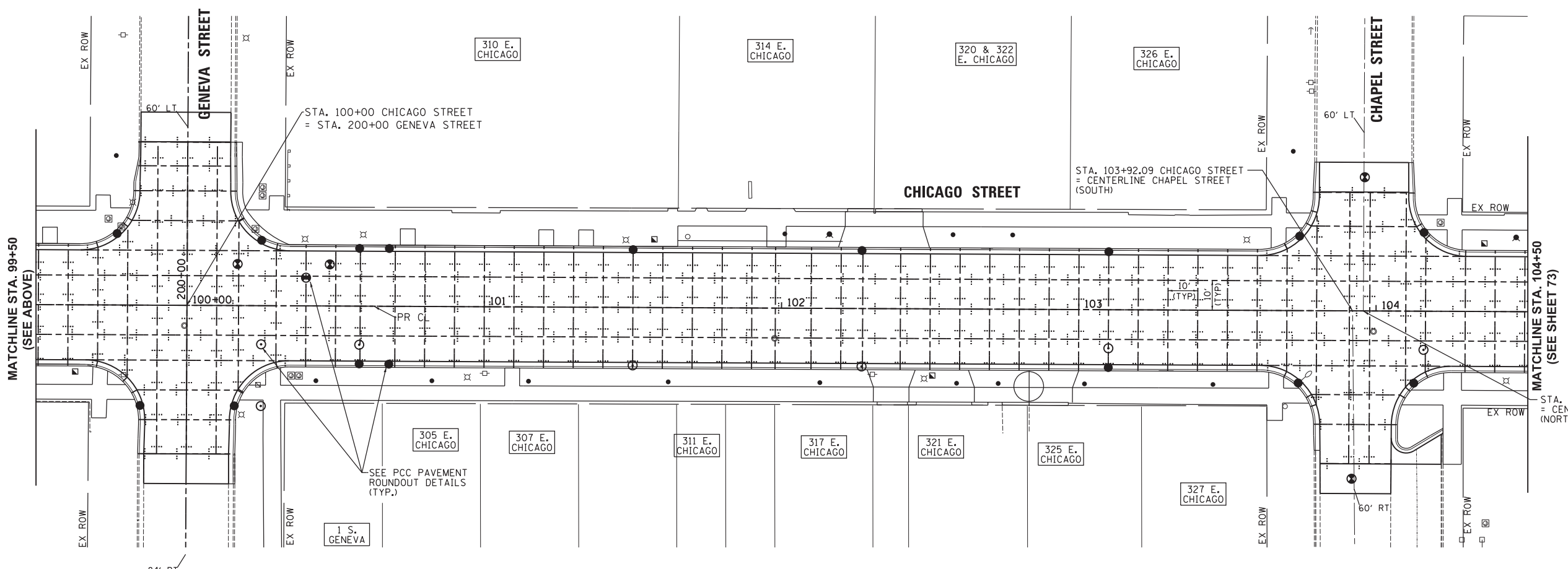
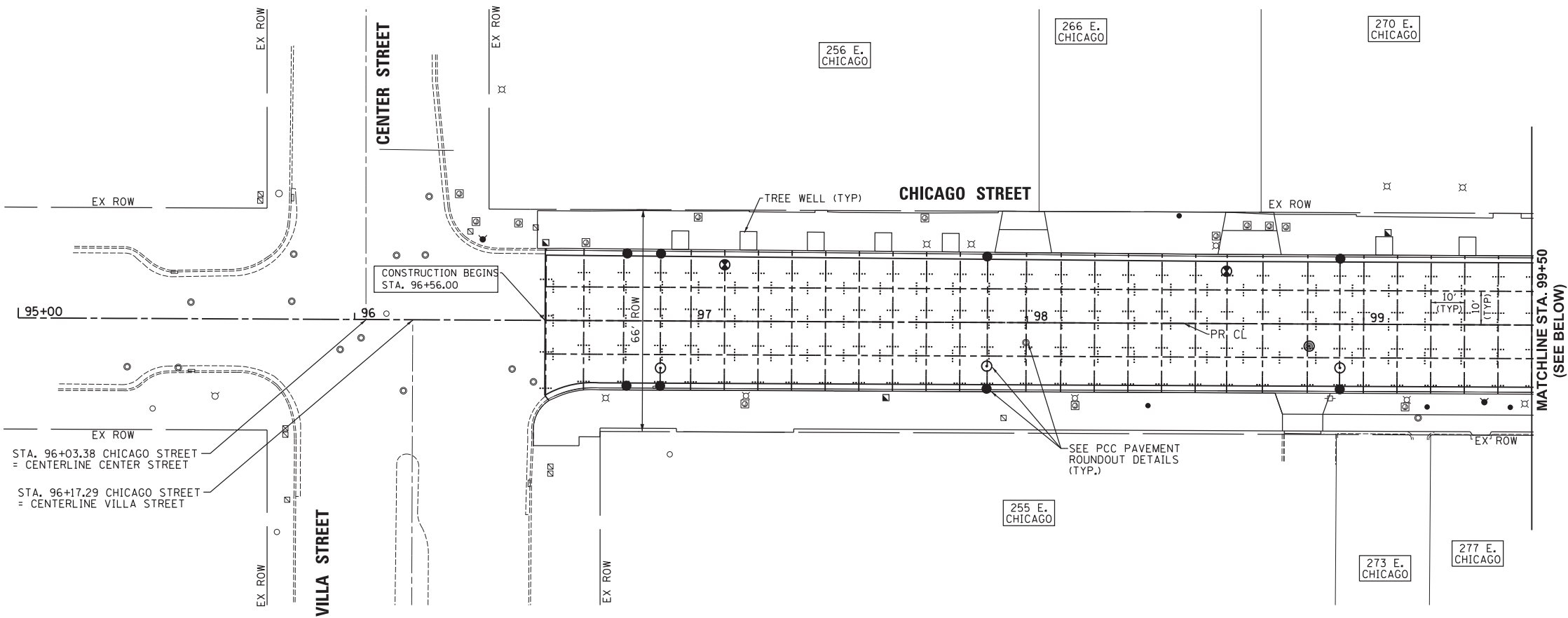
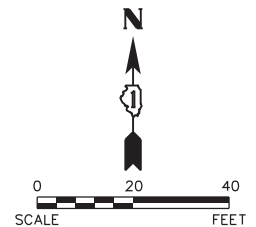
SCALE: 1"=10' SHEET NO. 3 OF 3 SHEETS STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	71
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\SBSKProj\EGT104\Drawn\Final Eng\EGT104-PLAN\_2018.dwg





Plot#ed: 10/9/2017 7:52:52 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

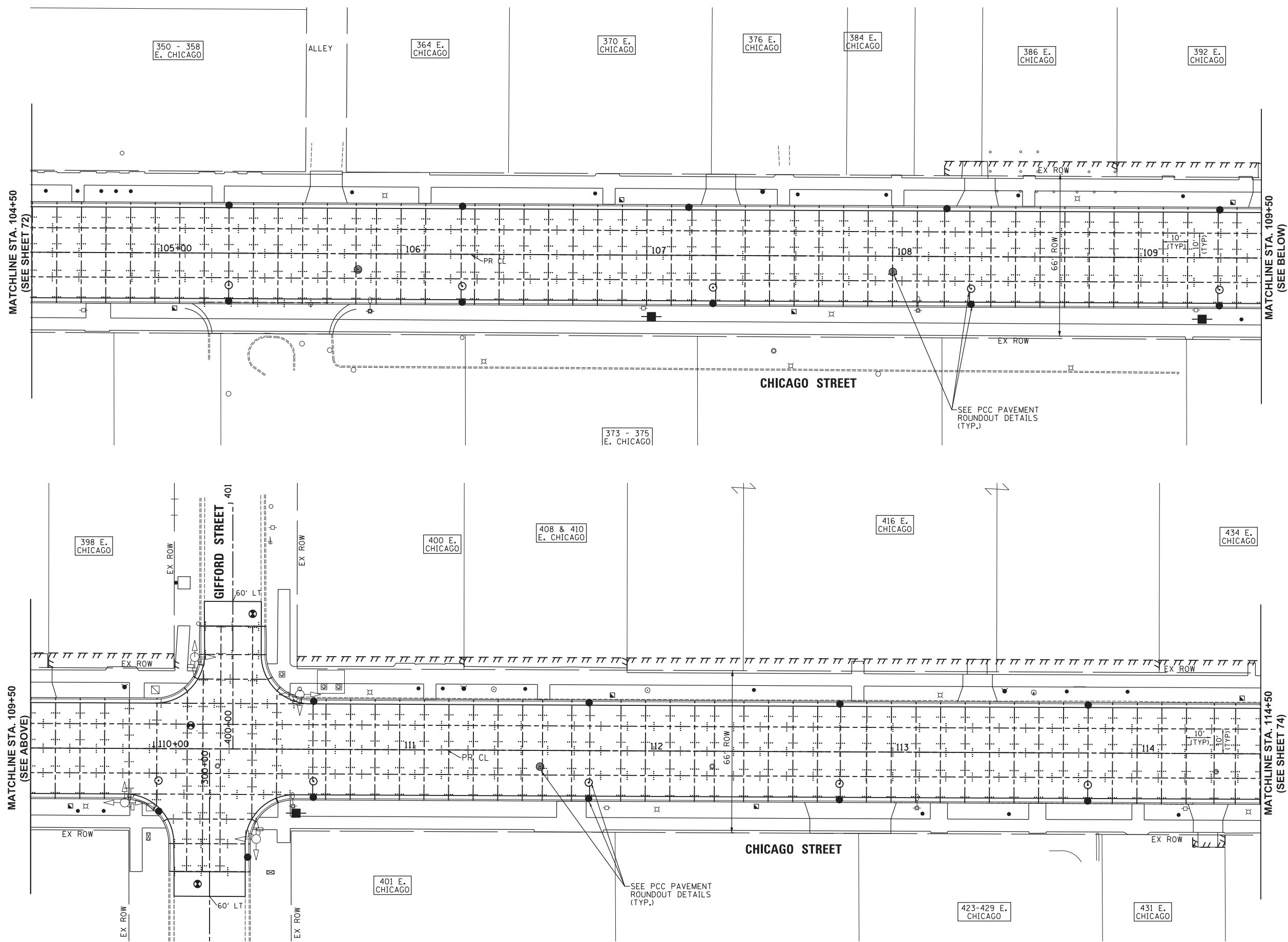
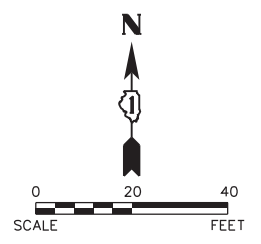
**CHICAGO STREET  
PCC PAVEMENT JOINTING PLAN**

SCALE: 1"=20'      SHEET NO. 1 OF 4 SHEETS      STA. 95+00 TO STA. 104+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	72
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\SBSKProj\EGT104\Wgn\Dgn\Final Eng\EGT104-PLAN\_208SC.dgn



MATCHLINE STA. 104+50  
(SEE SHEET 72)

MATCHLINE STA. 109+50  
(SEE BELOW)

MATCHLINE STA. 109+50  
(SEE ABOVE)

MATCHLINE STA. 114+50  
(SEE SHEET 74)

SEE PCC PAVEMENT  
ROUNDOUT DETAILS  
(TYP.)

SEE PCC PAVEMENT  
ROUNDOUT DETAILS  
(TYP.)

Plot#ed: 1/24/2018 3:21:33 PM By: cjt/uch

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

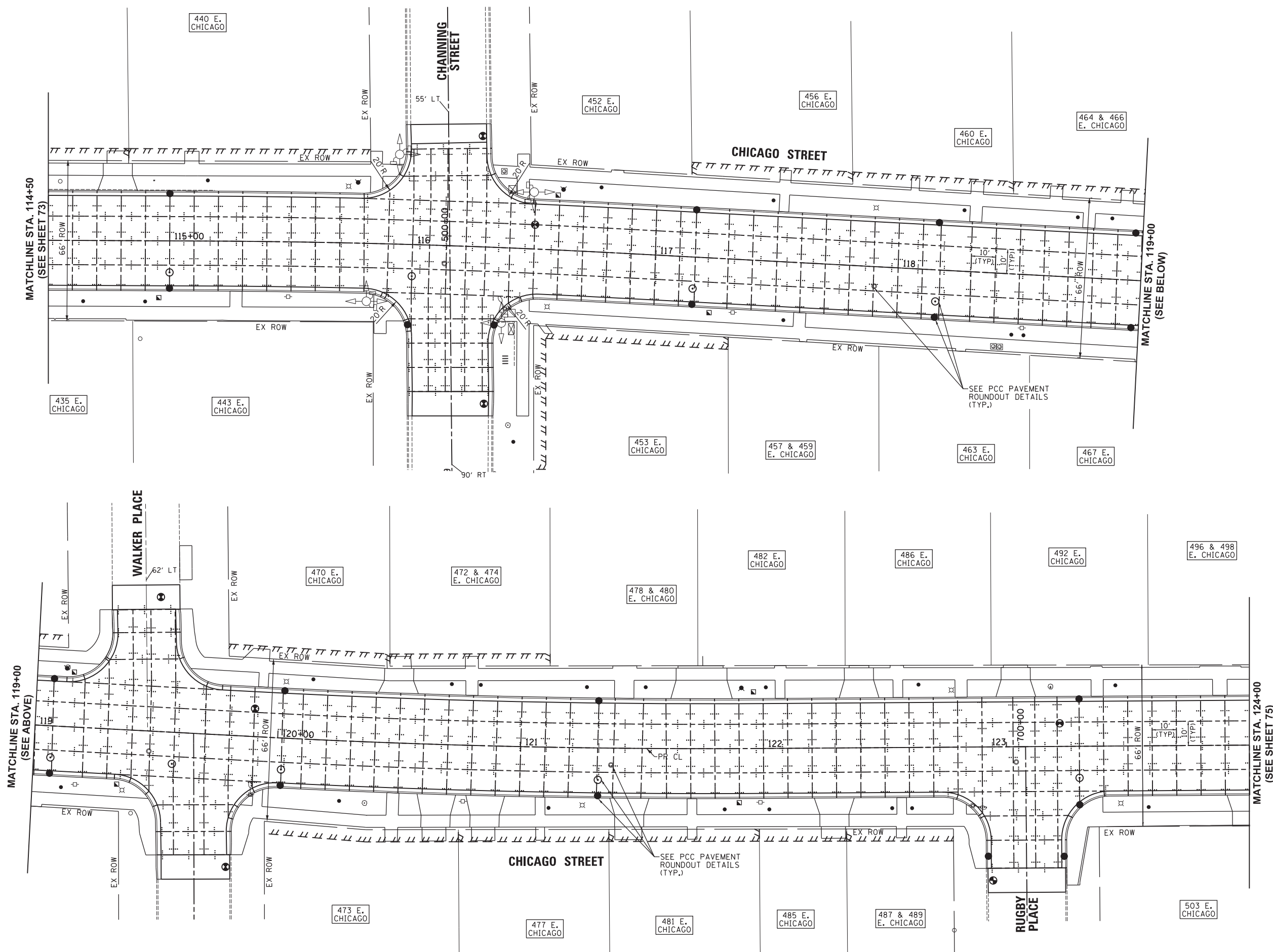
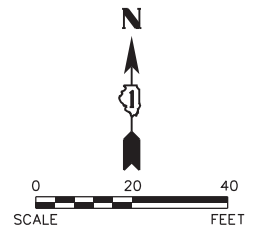
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PCC PAVEMENT JOINTING PLAN**

SCALE: 1"=20'    SHEET NO. 2 OF 4 SHEETS    STA. 104+50    TO STA. 114+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	73
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EGT104\_Vign\Dgn\_Final\_Eng\EGT104-PLAN\_208C.dgn



Plot#ed: 10/9/2017 7:52:53 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

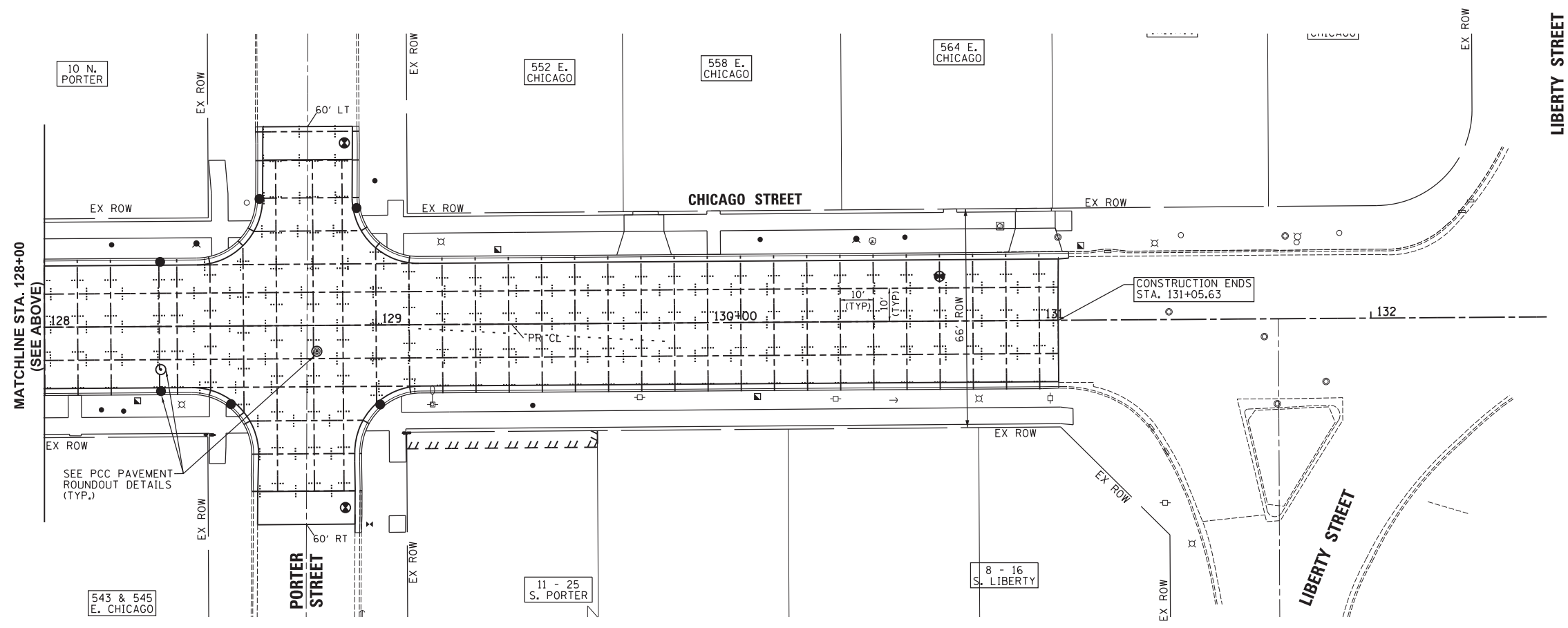
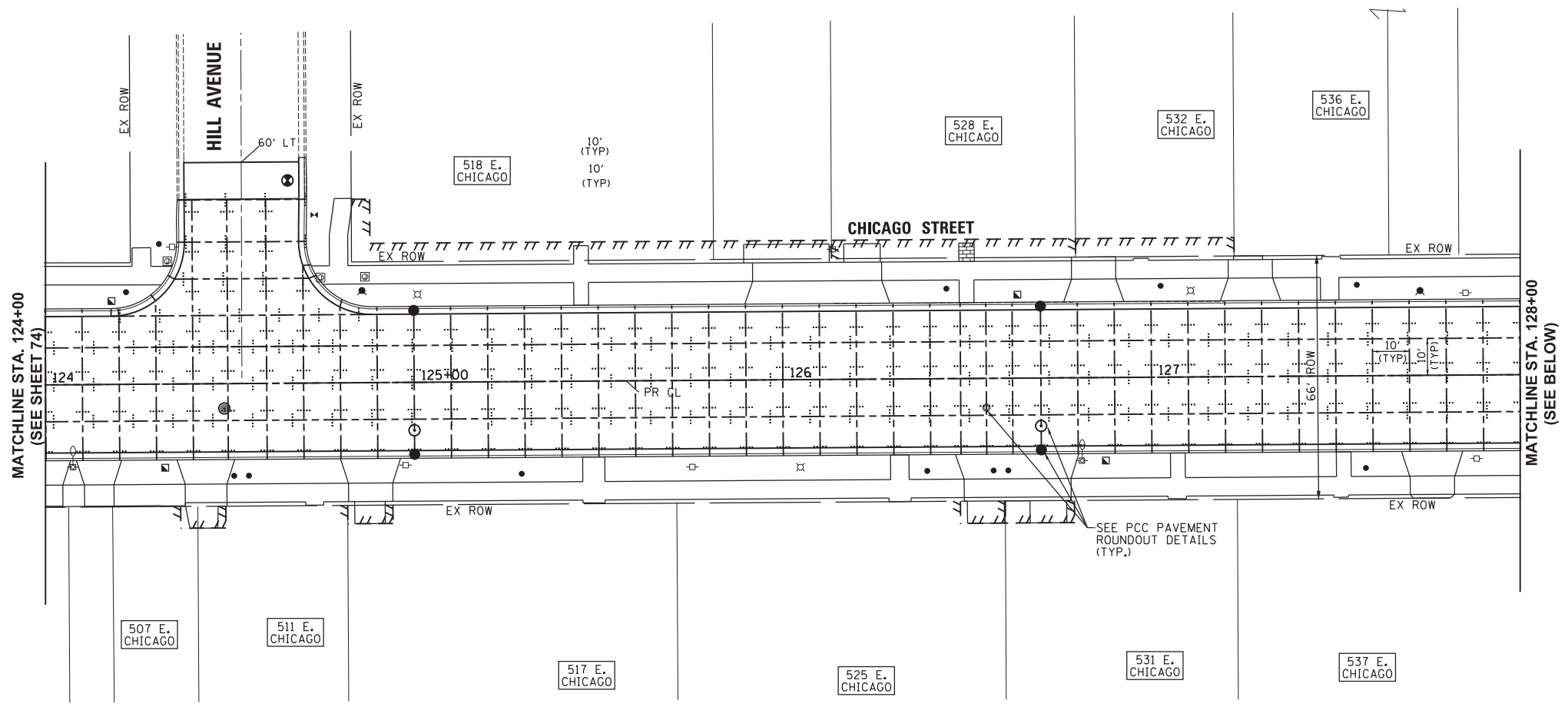
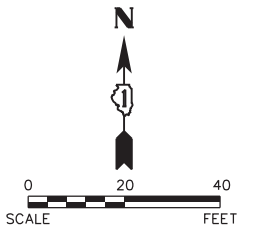
**CHICAGO STREET**  
**PCC PAVEMENT JOINTING PLAN**

SCALE: 1"=20'      SHEET NO. 3 OF 4 SHEETS      STA. 114+50      TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	74
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\S058\F09\EGT04\Final Eng\EGT04-PLAN\_2058C.dgn



Plot#ed: 10/9/2017 7:52:53 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

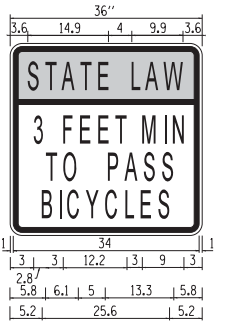
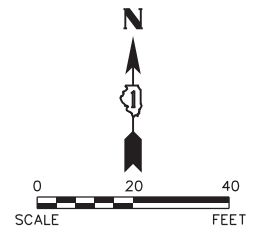
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PCC PAVEMENT JOINTING PLAN**

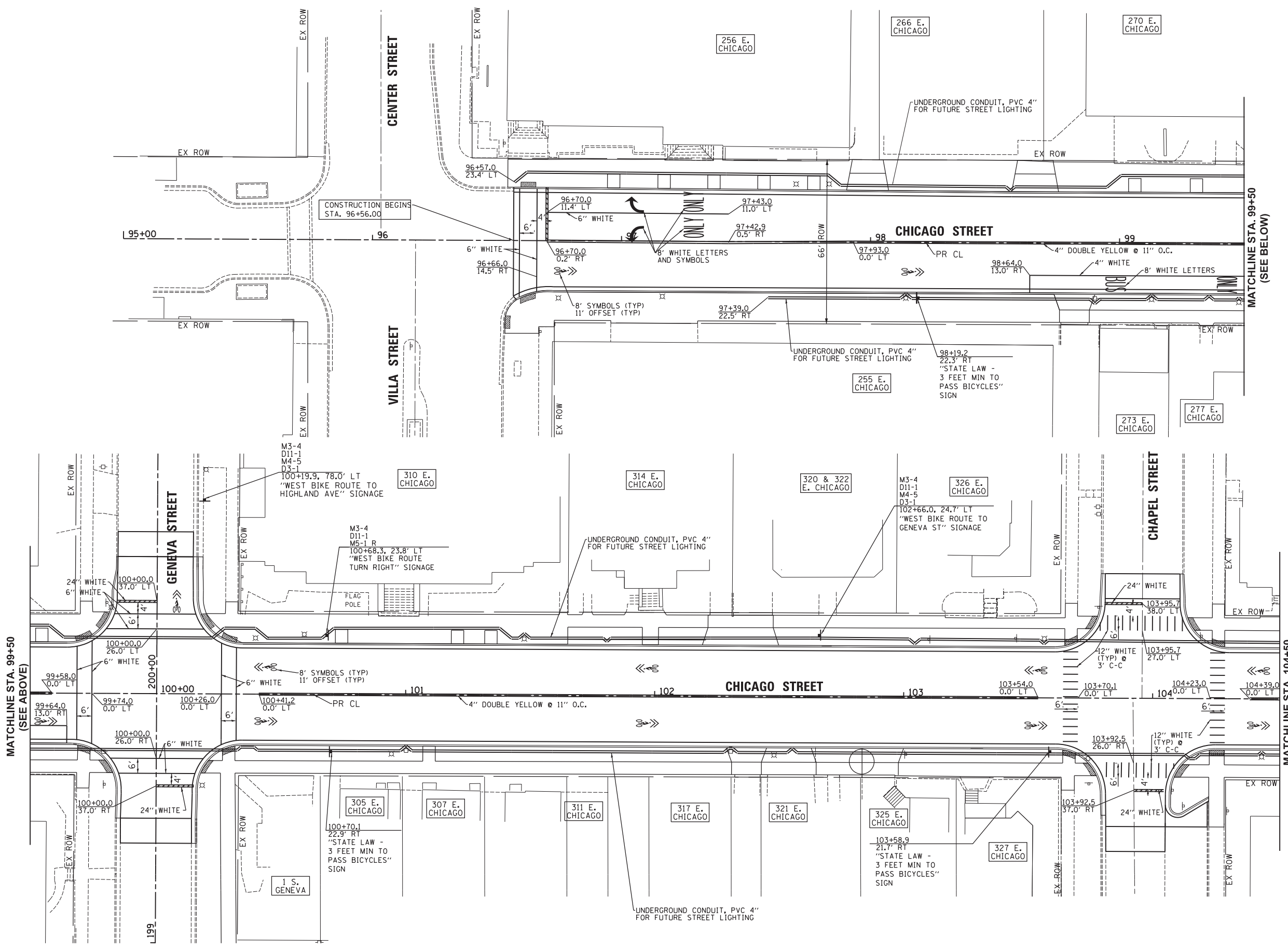
SCALE: 1"=20'      SHEET NO. 4 OF 4 SHEETS      STA. 124+00 TO STA. 131+06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	75
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				



2.3" Radius, 0.9" Border, 0.6" Indent, Black on Yellow:  
 "STATE LAW" D 2K;  
 2.3" Radius, 0.9" Border, 0.6" Indent, Black on Yellow:  
 "3 FEET MIN" C 2K;  
 "TO PASS" C 2K;  
 "BICYCLES" C 2K;

SIGN DETAIL  
 "STATE LAW  
 3 FEET MIN  
 TO PASS  
 BICYCLES"



- NOTES:
- ALL PAVEMENT MARKINGS SHALL BE EPOXY, EXCEPT FOR MARKINGS ON HMA, WHICH SHALL BE THERMOPLASTIC.
  - ALL EXISTING STREET AND NEIGHBORHOOD SIGNS TO BE REMOVED, STORED, AND REINSTALLED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
  - ALL EXISTING HISTORIC LIGHT POLE UNITS WITHIN CONSTRUCTION LIMITS ALONG CHICAGO STREET SHALL BE REMOVED AND RE-ERECTED.

Plot#ed: 11/14/2017 4:36:35 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

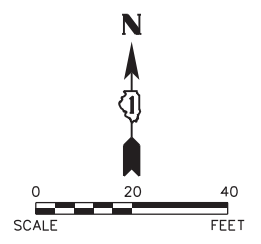
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PAVEMENT MARKING, SIGNING, AND LIGHTING PLAN**

SCALE: 1"=20'      SHEET NO. 1 OF 4 SHEETS      STA. 95+00 TO STA. 104+50

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	76
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\S0585690\EGT104\Plan\Eng\EGT104-PLAN\_2018.dwg

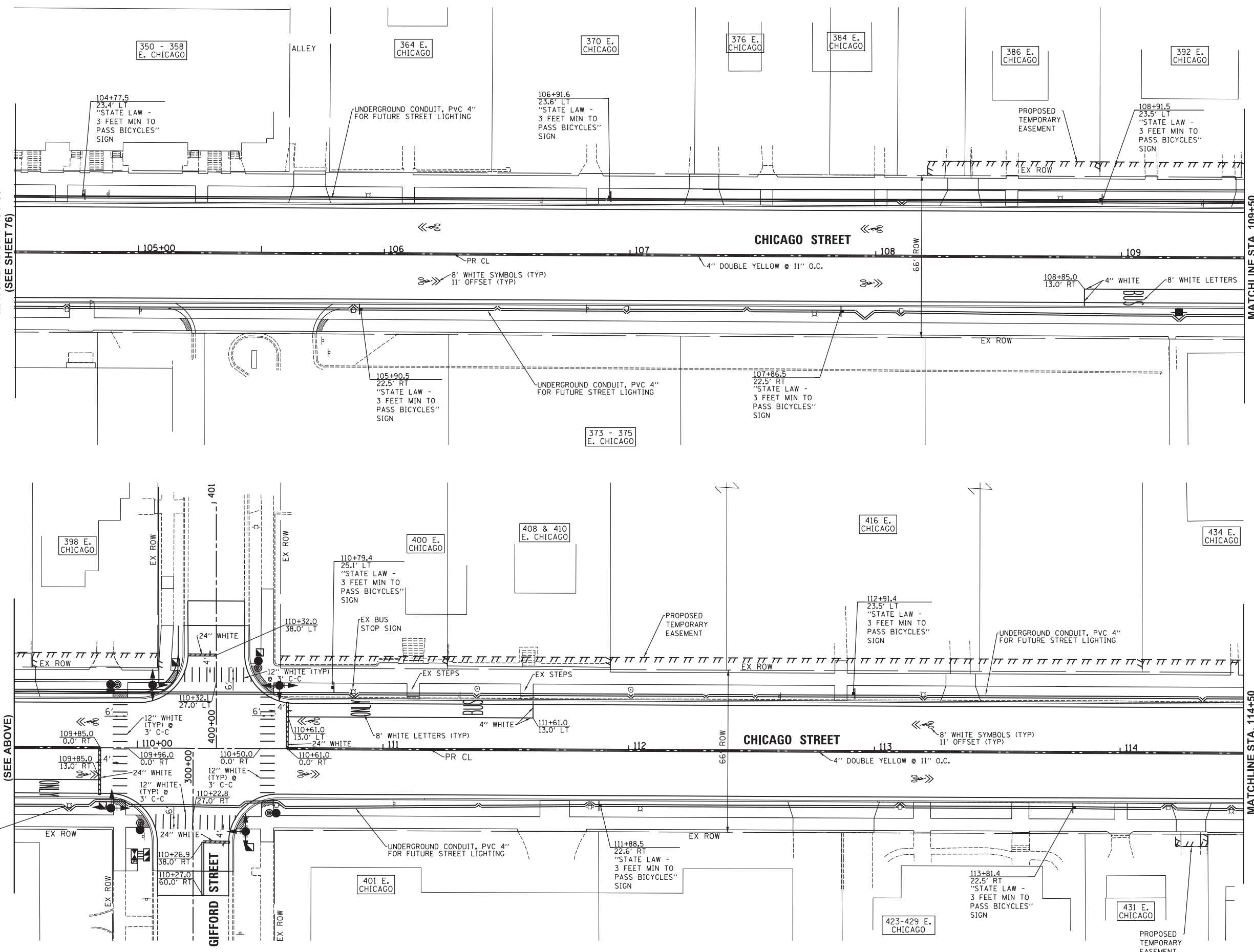


MATCHLINE STA. 104+50  
(SEE SHEET 76)

MATCHLINE STA. 109+50  
(SEE BELOW)

MATCHLINE STA. 109+50  
(SEE ABOVE)

MATCHLINE STA. 114+50  
(SEE SHEET 78)



- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE EPOXY, EXCEPT FOR MARKINGS ON HMA, WHICH SHALL BE THERMOPLASTIC.
  2. ALL EXISTING STREET AND NEIGHBORHOOD SIGNS TO BE REMOVED, STORED, AND REINSTALLED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
  3. ALL EXISTING HISTORIC LIGHT POLE UNITS WITHIN CONSTRUCTION LIMITS ALONG CHICAGO STREET SHALL BE REMOVED AND RE-ERECTED.

Plot#ed: 1/24/2018 3:21:34 PM  
 By: cjt/uch  
 Copyright 2017 Engineering Enterprises, Inc.

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

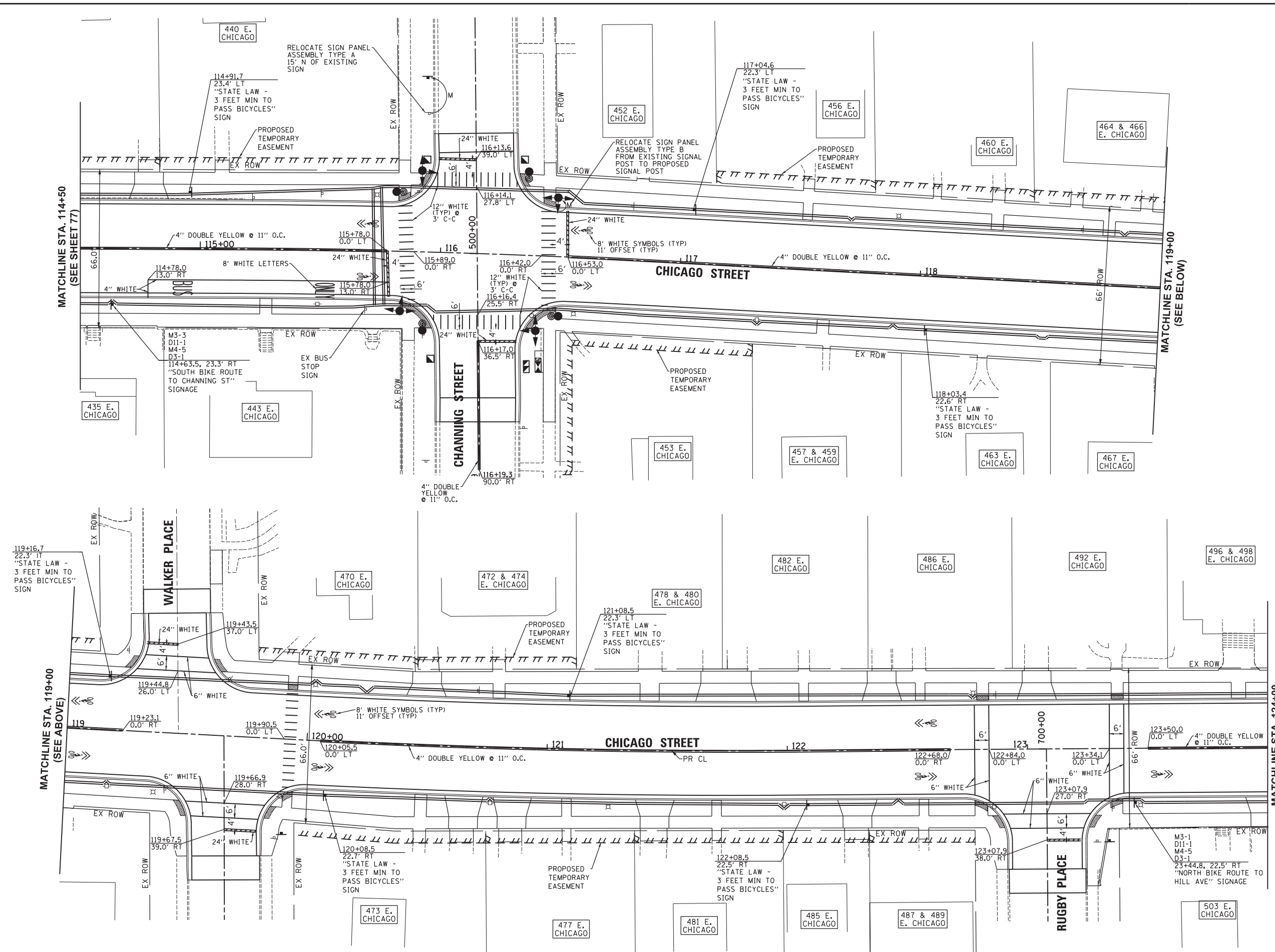
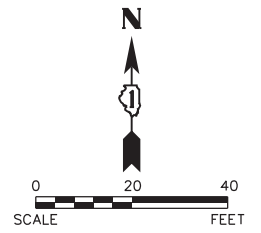
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PAVEMENT MARKING, SIGNING, AND LIGHTING PLAN**

SCALE: 1"=20'    SHEET NO. 2 OF 4 SHEETS    STA. 104+50 TO STA. 114+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	77
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE EPOXY, EXCEPT FOR MARKINGS ON HMA, WHICH SHALL BE THERMOPLASTIC.
  2. ALL EXISTING STREET AND NEIGHBORHOOD SIGNS TO BE REMOVED, STORED, AND REINSTALLED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
  3. ALL EXISTING HISTORIC LIGHT POLE UNITS WITHIN CONSTRUCTION LIMITS ALONG CHICAGO STREET SHALL BE REMOVED AND RE-ERECTED.

Plot#ed: 11/14/2017 4:36:36 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

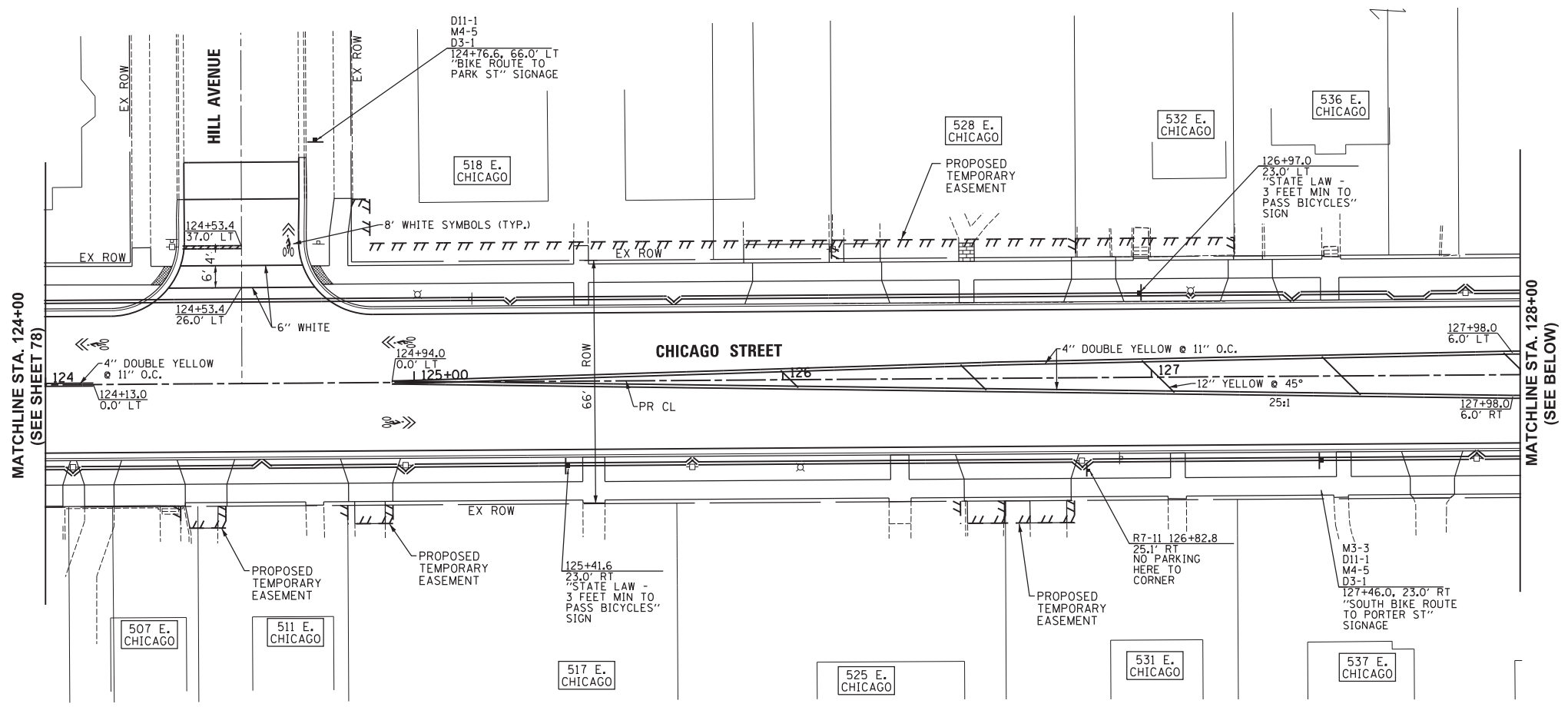
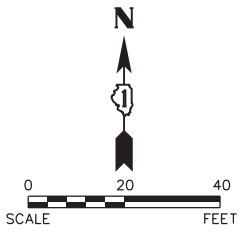
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PAVEMENT MARKING, SIGNING, AND LIGHTING PLAN**

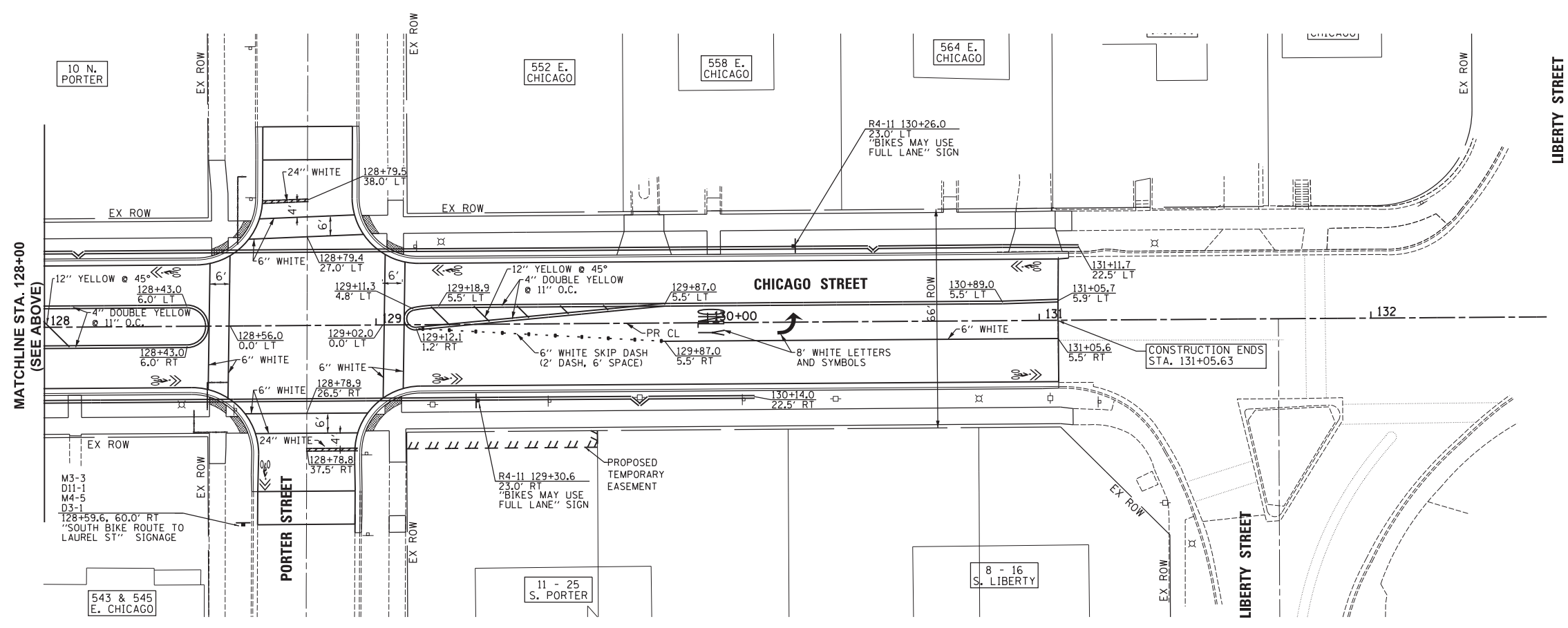
SCALE: 1"=20'      SHEET NO. 3 OF 4 SHEETS      STA. 114+50 TO STA. 124+00

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	78
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



SIGN SCHEDULE				
SHEET	SIGN TYPES	NUMBER OF SIGNS	SIGN PANEL TY	TELE STEEL SIGN SUPPORT
			A	FOOT
76	M3-* DIRECTION SIGN	3	1.5	
	D11-1 BIKE ROUTE SIGN	3	9	45
	M4-5 "TO" SIGN	2	1	
	D3-1 ROADNAME SIGN	2	2	
	M5-1R RIGHT ARROW SIGN	1	2.19	
77	"STATE LAW - 3 FEET MIN TO PASS BICYCLES" SIGN	3	27	45
77	"STATE LAW - 3 FEET MIN TO PASS BICYCLES" SIGN	9	81	135
78	M3-* DIRECTION SIGN	2	1	
	D11-1 BIKE ROUTE SIGN	2	6	30
	M4-5 "TO" SIGN	2	1	
	D3-1 ROADNAME SIGN	2	2	
78	"STATE LAW - 3 FEET MIN TO PASS BICYCLES" SIGN	7	63	105
79	R4-11 "BIKES MAY USE FULL LANE" SIGN	2	12.5	30
	M3-* DIRECTION SIGN	2	1	
	D11-1 BIKE ROUTE SIGN	3	9	45
	M4-5 "TO" SIGN	3	1.5	
	D3-1 ROADNAME SIGN	3	3	
79	"STATE LAW - 3 FEET MIN TO PASS BICYCLES" SIGN	2	18	30
79	R7-11 "NO PARKING HERE TO CORNER" SIGN	1	1.5	15
<b>TOTAL</b>		<b>51</b>	<b>243</b>	<b>435</b>

\* ON DIRECTION SIGN IS 14 BASED ON THE DIRECTION NOTED ON THE PLANS.



- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE EPOXY, EXCEPT FOR MARKINGS ON HMA, WHICH SHALL BE THERMOPLASTIC.
  2. ALL EXISTING STREET AND NEIGHBORHOOD SIGNS TO BE REMOVED, STORED, AND REINSTALLED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
  3. ALL EXISTING HISTORIC LIGHT POLE UNITS WITHIN CONSTRUCTION LIMITS ALONG CHICAGO STREET SHALL BE REMOVED AND RE-ERECTED.

Plot: 11/8/2018 11:45:32 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**PAVEMENT MARKING, SIGNING, AND LIGHTING PLAN**

SCALE: 1"=20'      SHEET NO. 4 OF 4 SHEETS      STA. 124+00 TO STA. 131+06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	79
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

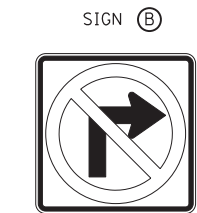
Plot: H:\SBSK\Proj\EG104\Drawn\Final Eng\EG104-PLAN\_2018.dwg





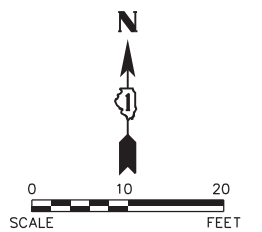
SIGN A  
R3-2  
24"x24"

1 REQUIRED  
INCLUDED IN THE COST  
OF TEMPORARY TRAFFIC  
SIGNAL INSTALLATION  
(FOR GIFFORD STREET)



SIGN B  
R3-1  
24"x24"

1 REQUIRED  
INCLUDED IN THE COST  
OF TEMPORARY TRAFFIC  
SIGNAL INSTALLATION  
(FOR GIFFORD STREET)

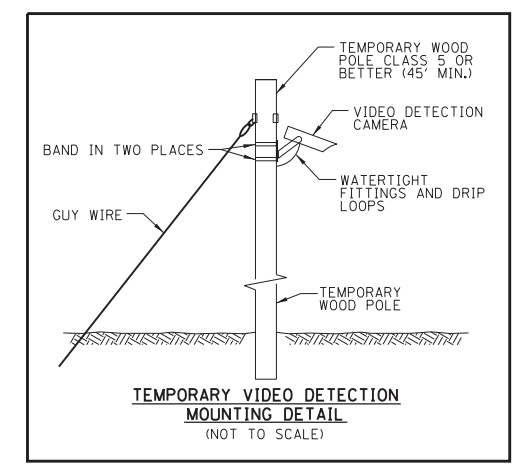
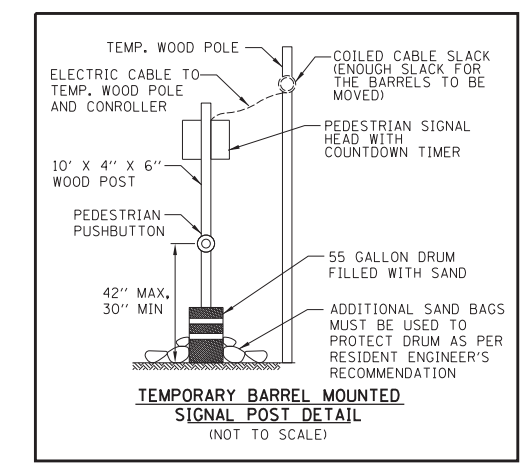
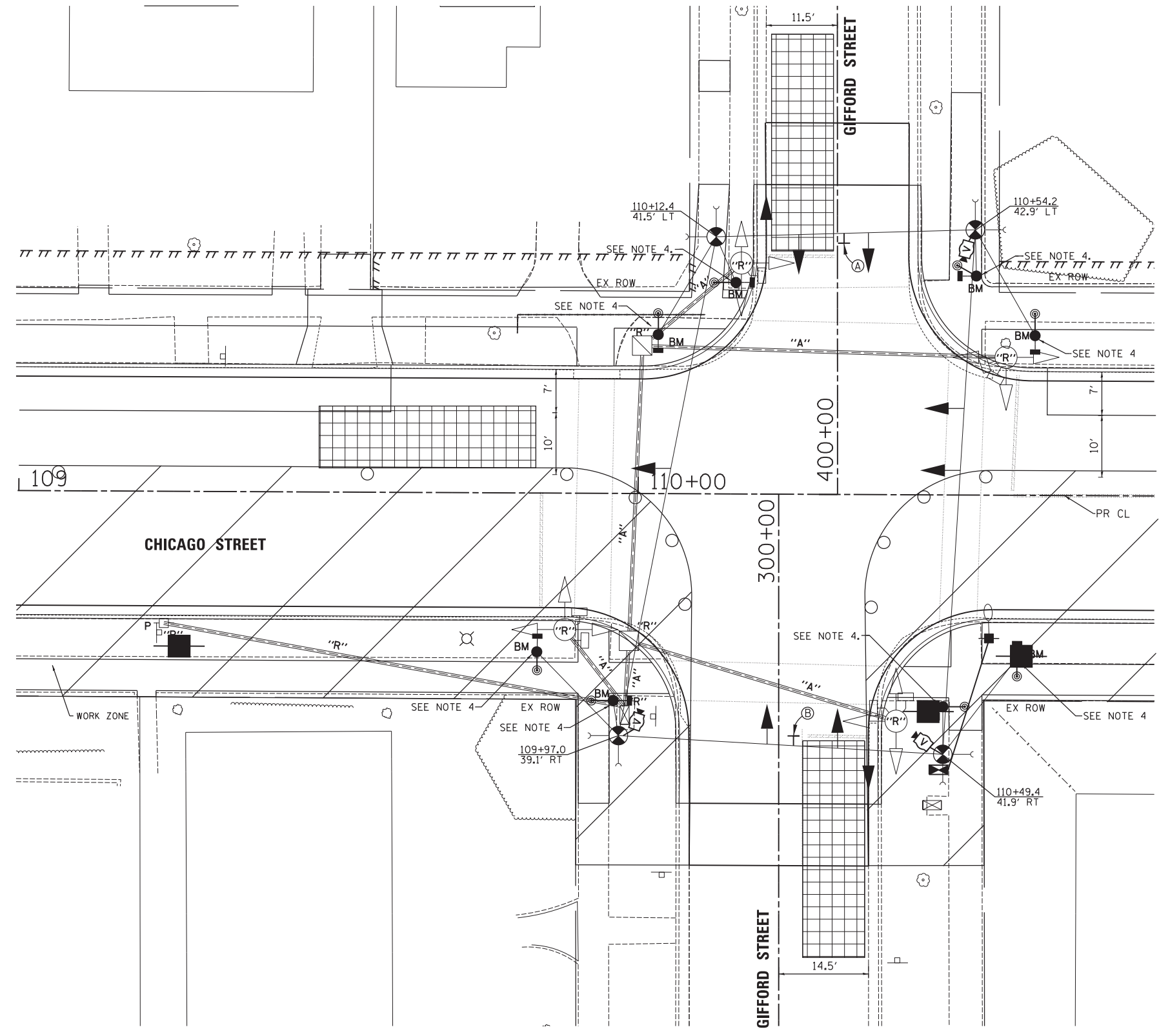


CONSTRUCTION NOTES:

- ① THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
  - 1 EACH CONTROLLER AND CABINET (COMPLETE)
  - 4 EACH SIGNAL HEAD, 3-FACE, 3-SECTION
  - 4 EACH SIGNAL POST
  - 1 EACH SERVICE INSTALLATION
  - 4 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- ② THE TEMPORARY TRAFFIC SIGNAL LAYOUT FOR STAGE I IS SHOWN. THE VIDEO DETECTION ZONE AND SIGNAL HEAD PLACEMENT FOR EASTBOUND VEHICULAR TRAVEL SHALL BE ADJUSTED AS NEEDED FOR STAGES II, III, & IV.

NOTES FOR TEMPORARY TRAFFIC SIGNALS:

- 1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
- 2. VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION WOOD POLES.
- 3. THE CONTRACTOR SHALL USE SIDEWALK DOWN GUY WIRES AS DIRECTED BY THE ENGINEER TO MAINTAIN SIDEWALK ACCESS. TEMPORARY NARROW SIDEWALK MAY BE REQUIRED AND WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 4. TEMPORARY BARREL MOUNTED SIGNAL POSTS TO BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER TO ACCOMMODATE STAGING OF ADJACENT WORK ITEMS.



Plot: 11/16/2018 1:48:16 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

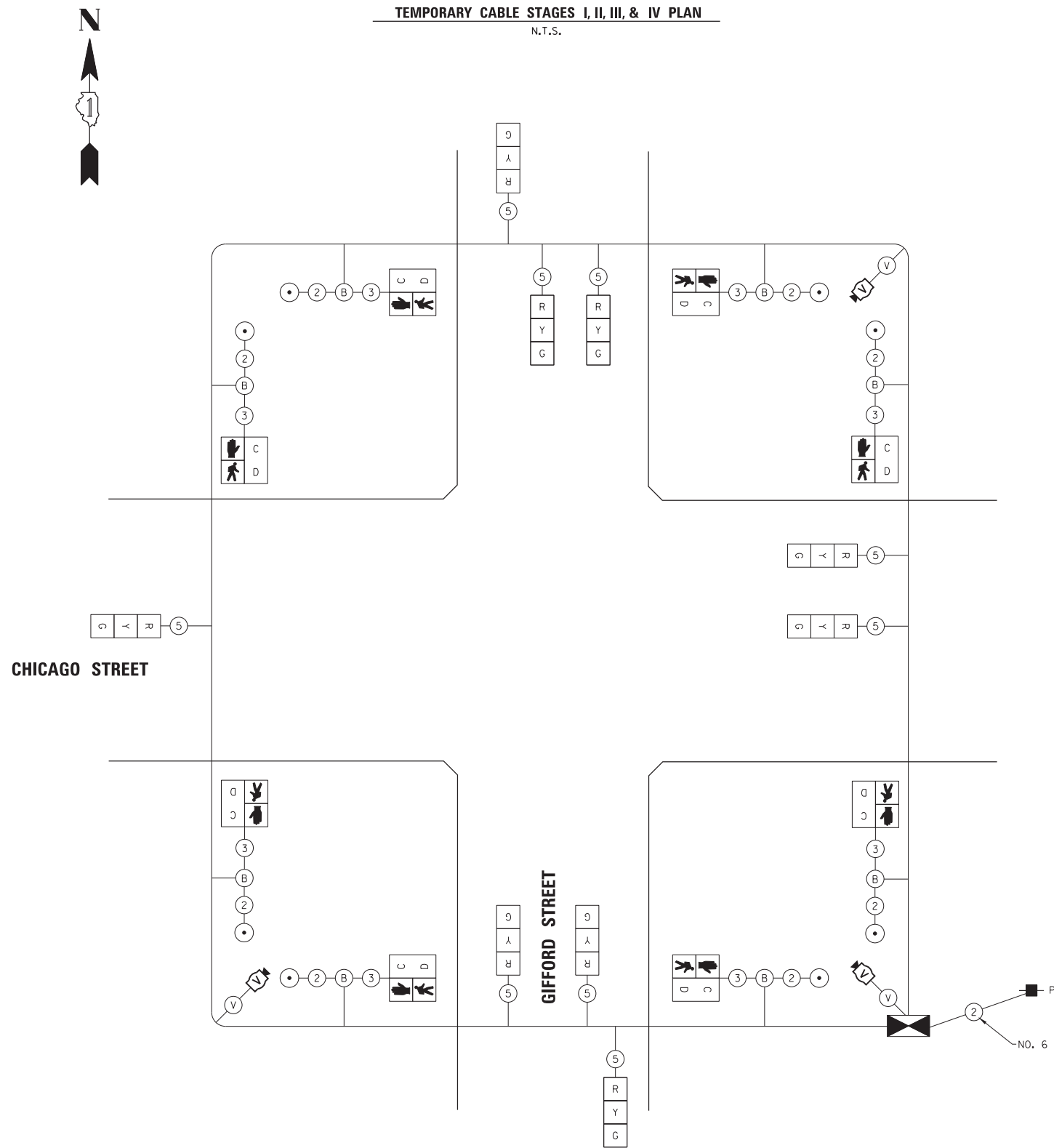
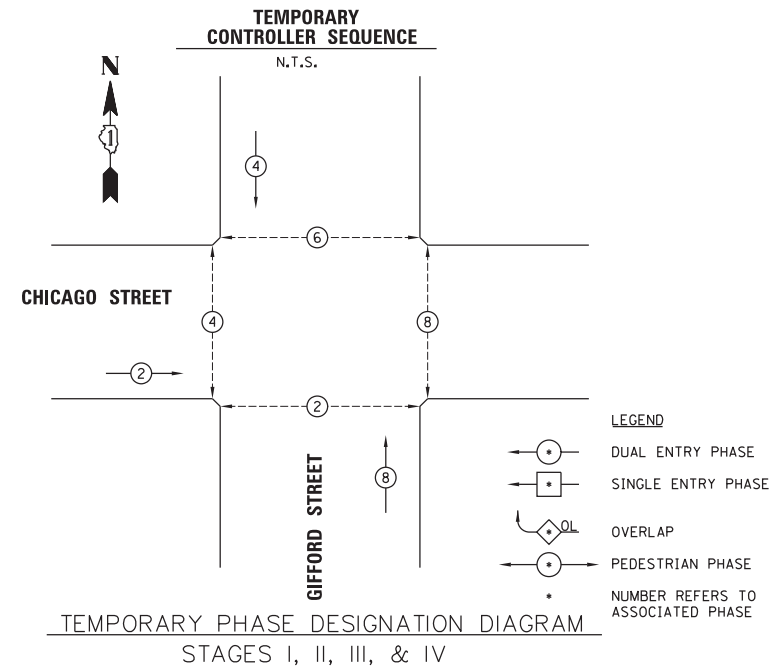
**CHICAGO STREET**  
**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL**  
**EQUIPMENT PLAN - STAGES I, II, III, & IV GIFFORD STREET**

SCALE: 1"=10' SHEET NO. 1 OF 6 SHEETS STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	80
				CONTRACT NO. 61E15
ILLINOIS FED. AID PROJECT				

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\S05KProj\VECT04 Vign\Dgn Final Eng VECT04-PLAN 205C.dgn



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATIONS	
SIGNAL (RED)	9	17	0.50		76.5
(YELLOW)	9	25	0.25		56.25
(GREEN)	9	15	0.25		33.75
ARROW	-	12	0.10		-
PED. SIGNAL	8	25	1.00		200.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	-	25	0.05		-
VIDEO SYSTEM	1	150			150.00
FLASHER			0.50		-
TOTAL =					616.50

ENERGY COST - BILLED TO: CITY OF ELGIN  
 (ADDRESS) 150 DEXTER COURT  
 ELGIN, IL 60120

ENERGY SUPPLY - CONTACT: \_\_\_\_\_  
 PHONE: 1-866-639-3532  
 COMPANY: COMED

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

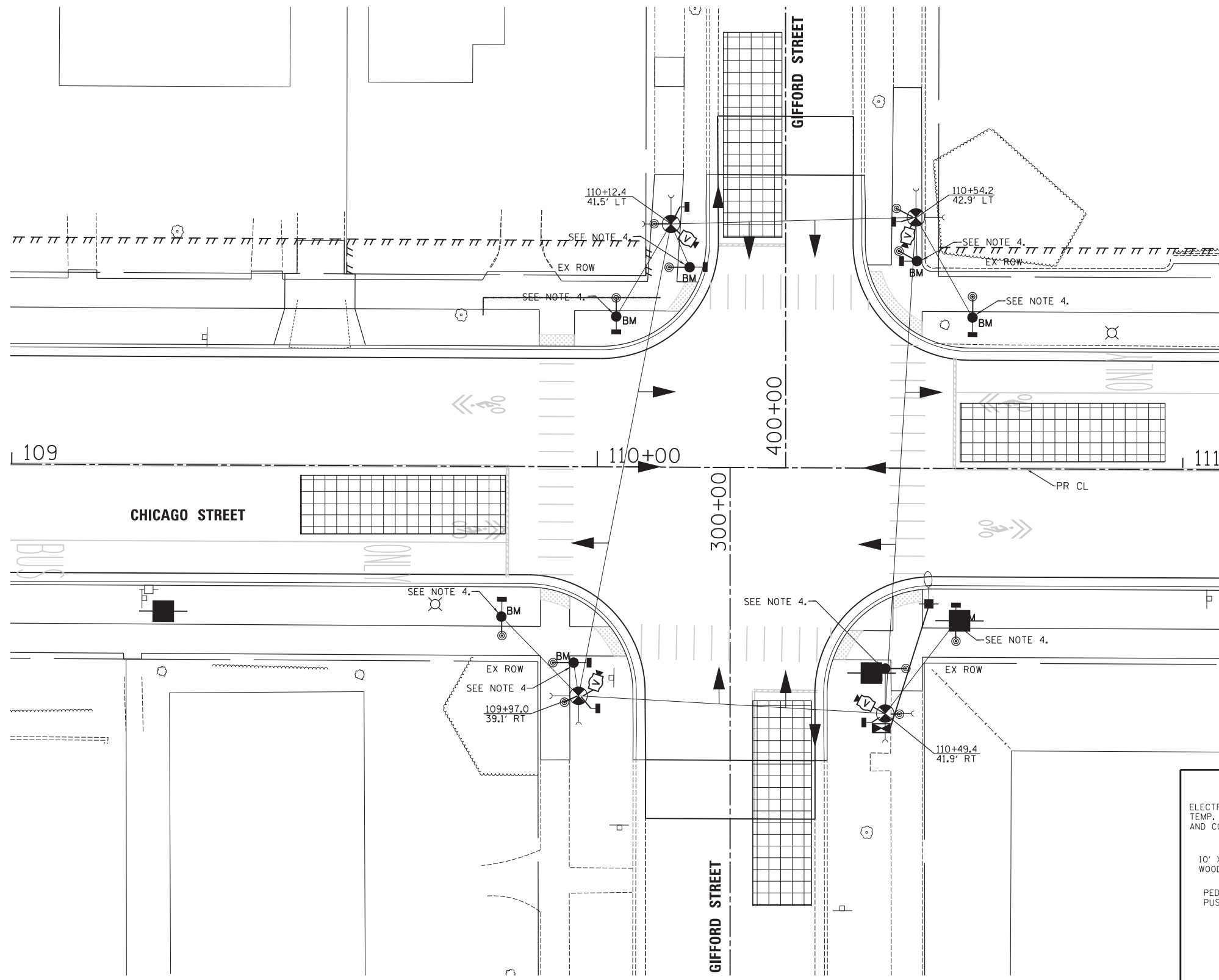
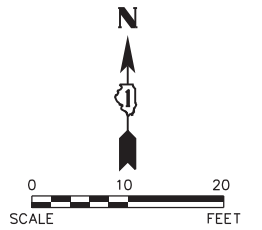
**CHICAGO STREET**  
 TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM,  
 STAGES I, II, III, & IV GIFFORD STREET

SCALE: SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	81
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

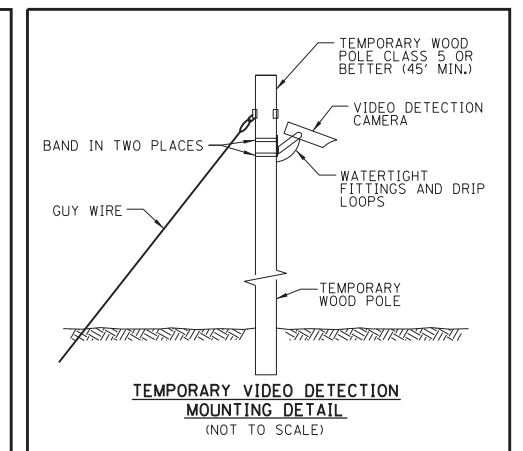
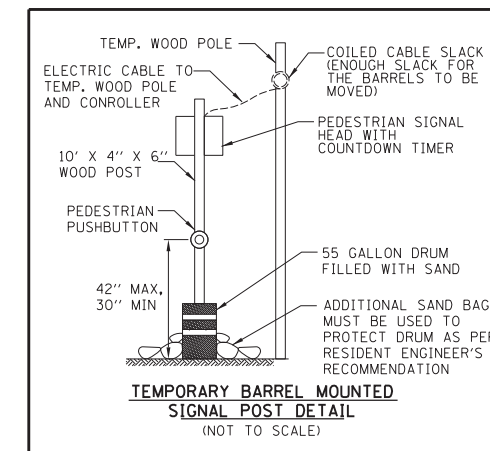
Plot: ead: 11/16/2018 1:48:17 PM By: jschmidt

Path: H:\SIS\KPR01\EGT04\Drawn\Drawn\Final Eng\EGT04-1S PLAN-SHEETS.dgn



**NOTES FOR TEMPORARY TRAFFIC SIGNALS:**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
2. VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION WOOD POLES.
3. THE CONTRACTOR SHALL USE SIDEWALK DOWN GUY WIRES AS DIRECTED BY THE ENGINEER TO MAINTAIN SIDEWALK ACCESS. TEMPORARY SIDEWALK MAY BE REQUIRED AND WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. TEMPORARY BARREL MOUNTED SIGNAL POST TO BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER TO ACCOMMODATE STAGING OF ADJACENT WORK ITEMS.



Plot: 11/16/2018 1:48:18 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

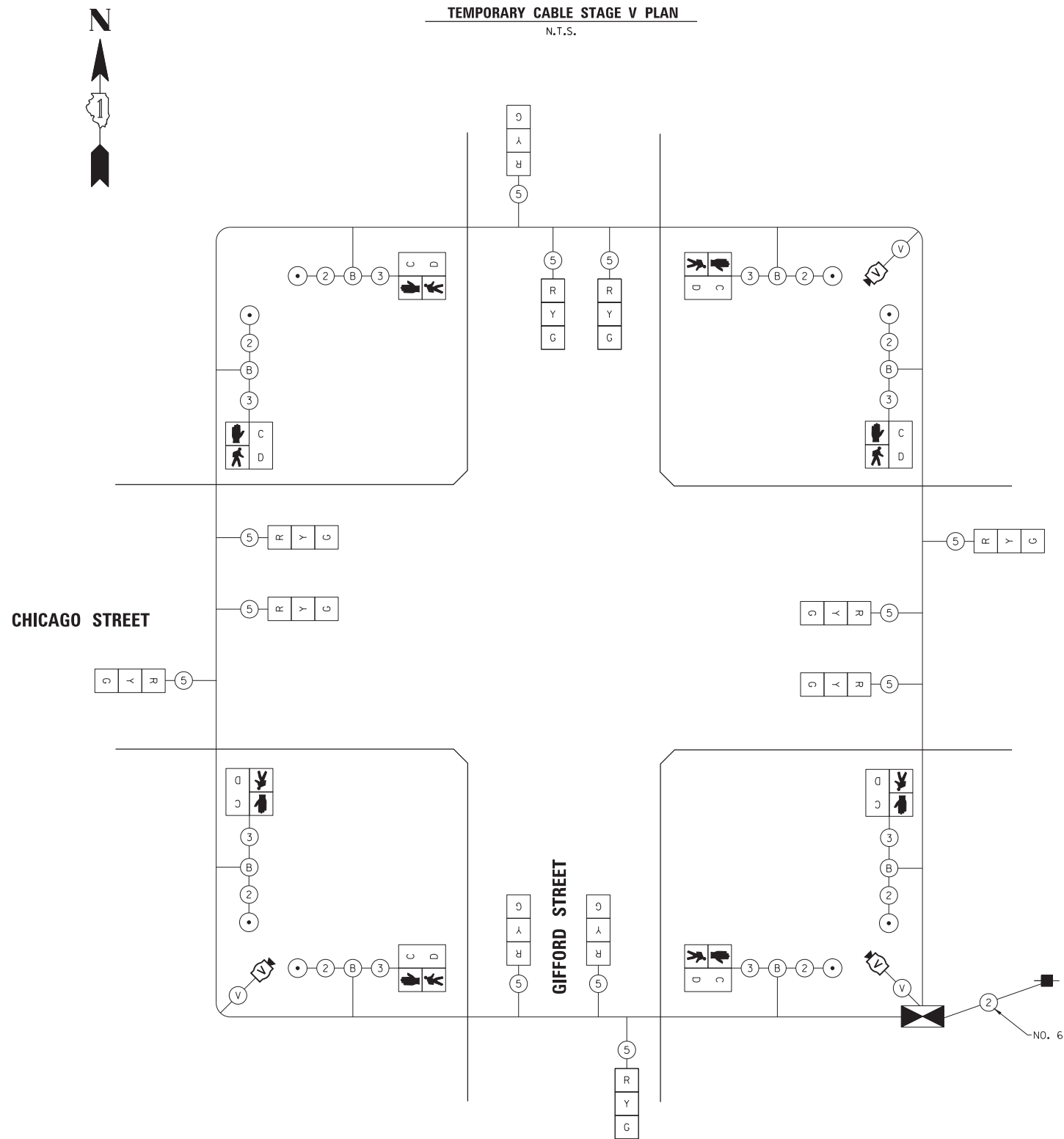
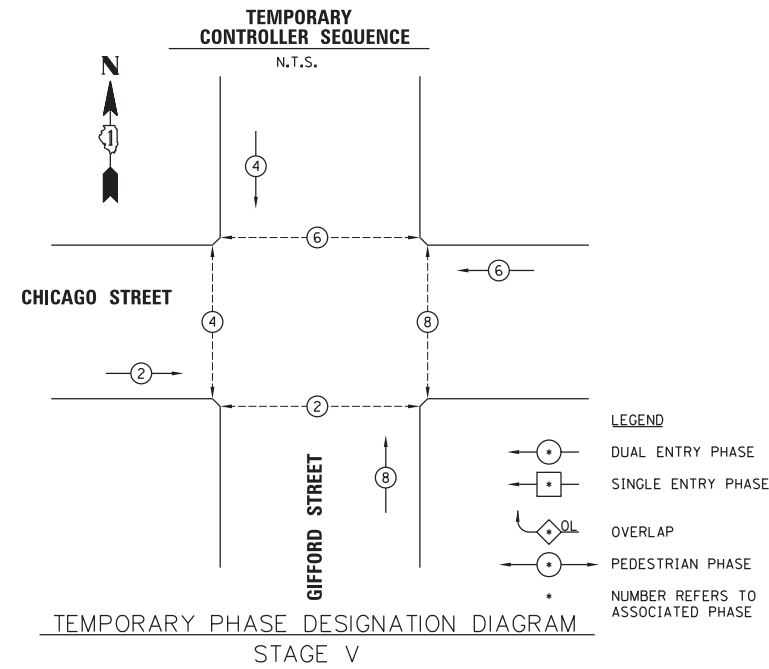
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**STAGE V GIFFORD STREET**

SCALE: 1"=10' SHEET NO. 3 OF 6 SHEETS STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	82
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATIONS	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		25	0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	-		12	0.10	-
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1	150			150.00
FLASHER				0.50	-
TOTAL =					672.00

ENERGY COST - BILLED TO: CITY OF ELGIN  
(ADDRESS) 150 DEXTER COURT  
ELGIN, IL 60120

ENERGY SUPPLY - CONTACT: \_\_\_\_\_  
PHONE: 1-866-639-3532  
COMPANY: COMED

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

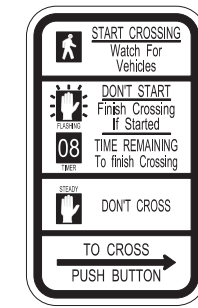
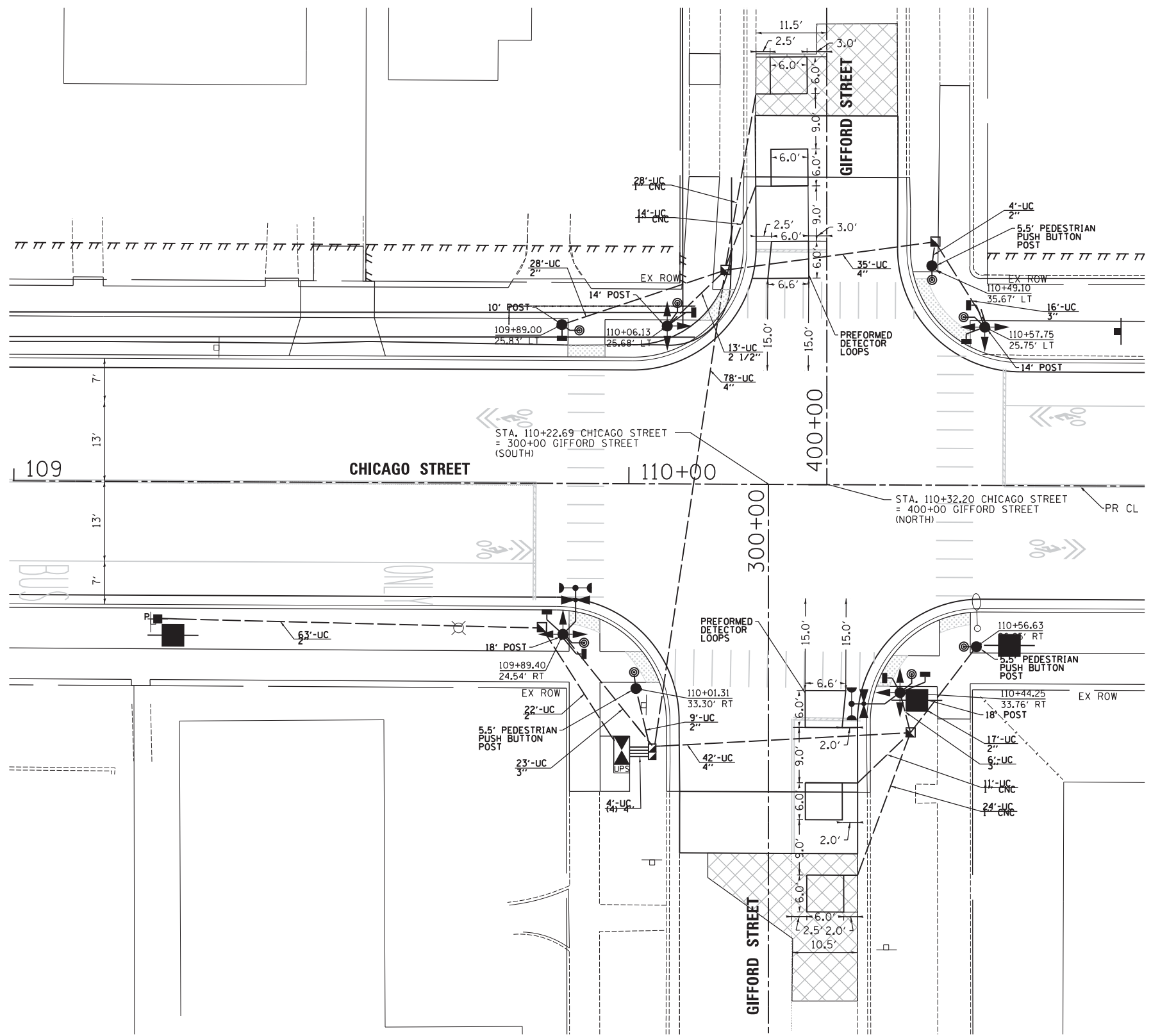
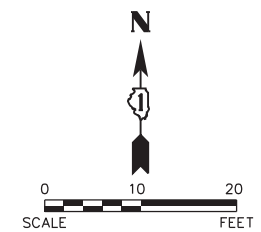
**CHICAGO STREET**  
**TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM,**  
**STAGE V GIFFORD STREET**

SCALE: SHEET NO. 4 OF 6 SHEETS STA. TO STA.

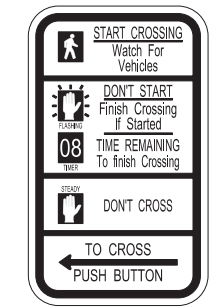
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	83
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Plot: ead: 11/16/2018 1:48:19 PM By: jschmidt

Path: H:\SIS\KPR01\VECT04\Drawn\Final Eng\VECT04-1S PLAN-SHEETS.dgn



R10-3e  
3 REQUIRED  
(INCLUDED IN THE COST OF PEDESTRIAN PUSH BUTTON)



R10-3e  
5 REQUIRED  
(INCLUDED IN THE COST OF PEDESTRIAN PUSH BUTTON)

NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "SIEMENS", AND THE TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "TOMAR" TO MATCH THE CITY'S EXISTING OPERATIONS.
2. ALL PROPOSED DETECTOR LOOPS SHALL BE TYPE I AND SAWCUT IN THE EXISTING OR PROPOSED SURFACE UNLESS OTHERWISE INDICATED ON THE PLANS.
3. ALL TRAFFIC SIGNAL POSTS, PEDESTRIAN PUSH BUTTON POSTS, AND POST BASES SHALL BE PAINTED BLACK
4. ALL STATIONS SHOWN ON THE PLAN ARE APPROXIMATE.

Plot: 11/16/2018 1:48:20 PM By: J.schmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

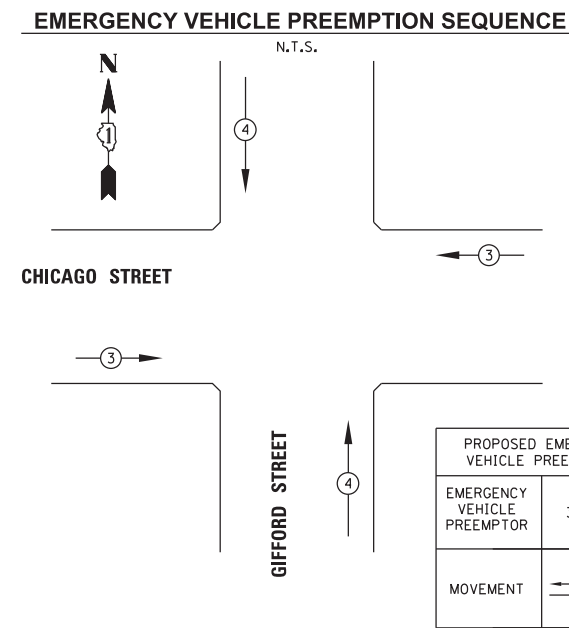
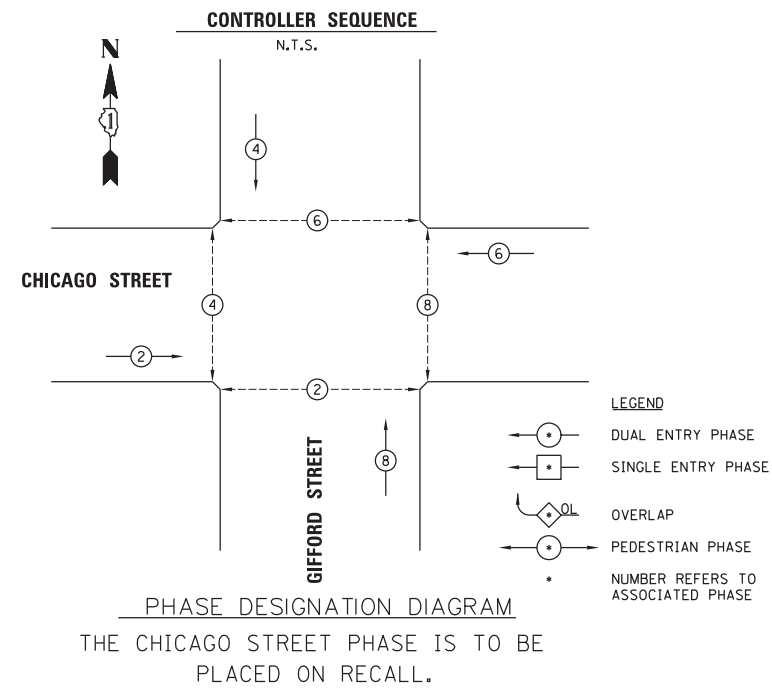
**CHICAGO STREET**  
**TRAFFIC SIGNAL MODERNIZATION PLAN**  
**GIFFORD STREET**

SCALE: 1"=10' SHEET NO. 5 OF 6 SHEETS STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	84
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

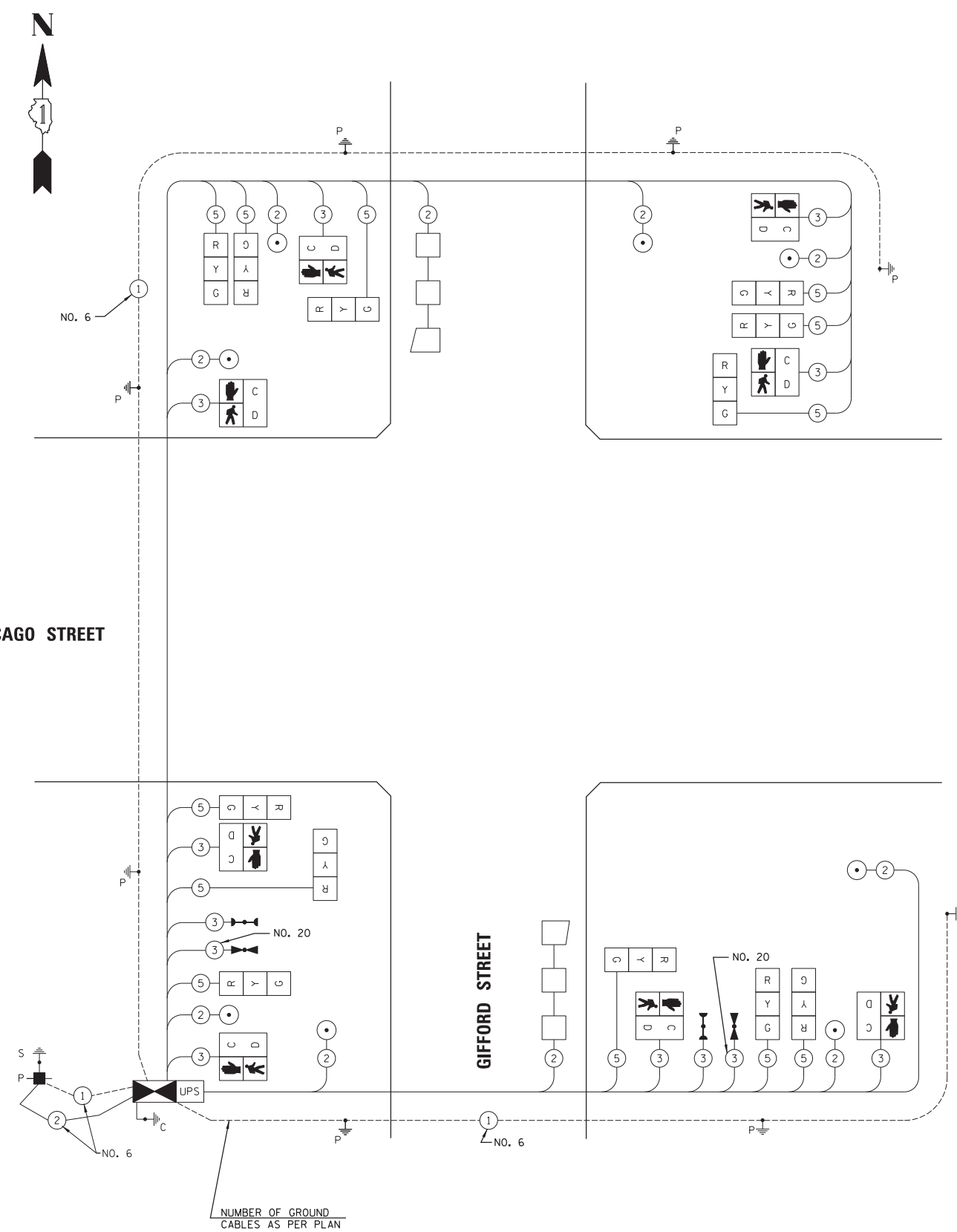
COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\S05K9P00\EGT04\_Vggn\Dgn\_Final\_Eng\EGT04-PLAN\_2018.dgn



### CABLE PLAN

N.T.S.



### SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
143	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
13	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
45	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
171	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
3	EACH	HANDHOLE
2	EACH	DOUBLE HANDHOLE
5	EACH	PAINT NEW TRAFFIC SIGNAL POST
894	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1132	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1425	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
489	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
113	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
480	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
32	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
4	EACH	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
3	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
105	FOOT	DETECTOR LOOP, TYPE I
54	FOOT	PREFORMED DETECTOR LOOP
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING HANDHOLE
5	EACH	REMOVE EXISTING CONCRETE FOUNDATION
167	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
3	EACH	PEDESTRIAN PUSH-BUTTON POST, SPECIAL
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

### I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	INCAND.	LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	12	17	0.50		102.00
(YELLOW)	12	25	0.25		75.00
(GREEN)	12	15	0.25		45.00
ARROW	-	12	0.10		-
PED. SIGNAL	8	25	1.00		200.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	-	25	1.00		-
TOTAL =					522.00

ENERGY COST - BILLED TO: CITY OF ELGIN  
(ADDRESS) 150 DEXTER COURT  
ELGIN, IL 60120

ENERGY SUPPLY - CONTACT: 1-866-639-3532  
PHONE: COMED  
COMPANY: COMED

NOTES:

- THE TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "TOMAR" TO MATCH THE CITY'S EXISTING OPERATIONS.

Plot #ed: 11/16/2018 1:48:20 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

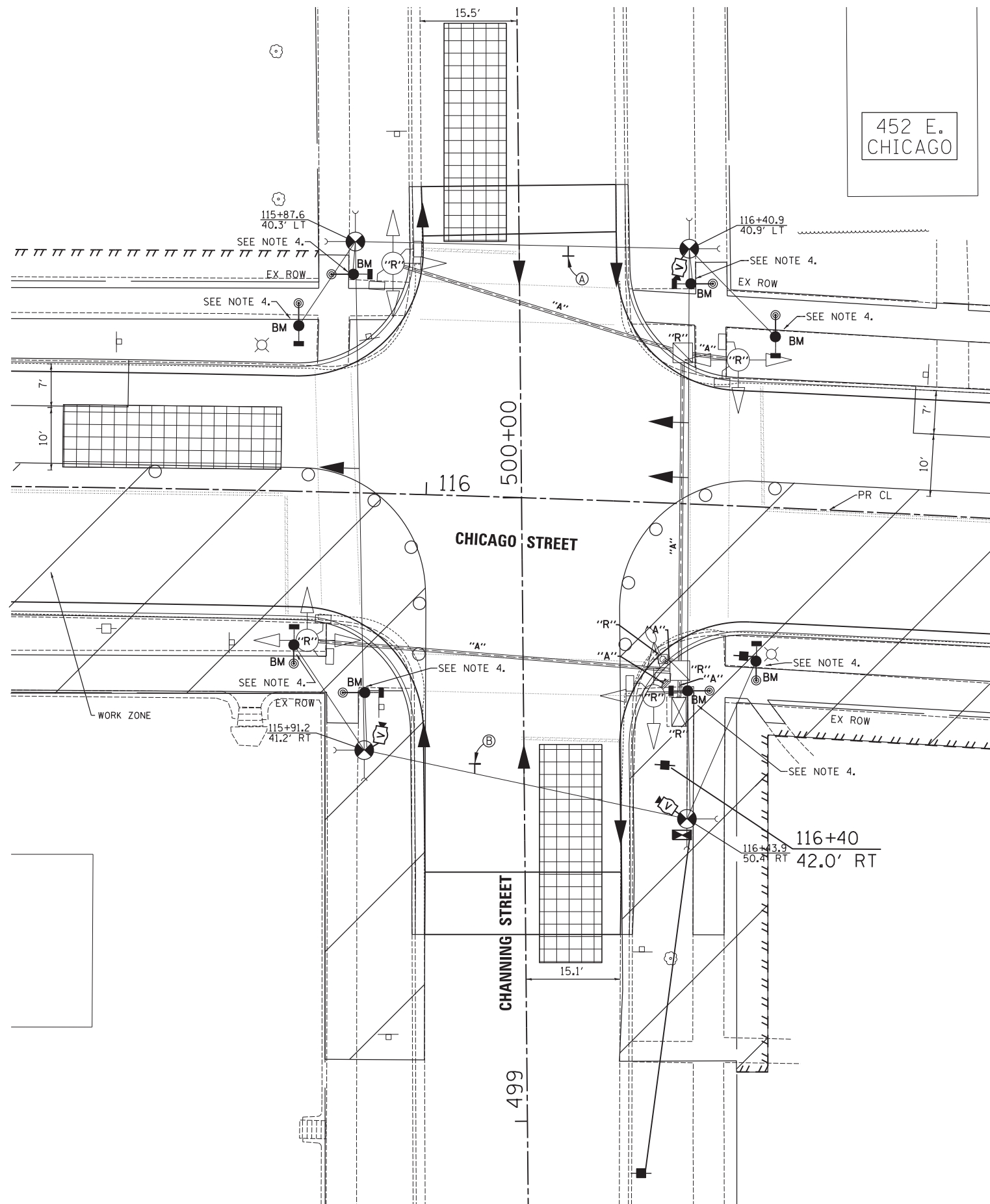
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,**  
**AND EMERGENCY VEHICLE PREEMPTION SEQUENCE - GIFFORD STREET**

SCALE: SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	85
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\VECT04\Draw\Eng\VECT04-15 PLAN-SHEETS.dgn



SIGN A

R3-2  
24"x24"

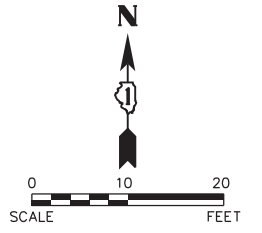
1 REQUIRED  
INCLUDED IN THE COST  
OF TEMPORARY TRAFFIC  
SIGNAL INSTALLATION  
(FOR CHANNING STREET)



SIGN B

R3-1  
24"x24"

1 REQUIRED  
INCLUDED IN THE COST  
OF TEMPORARY TRAFFIC  
SIGNAL INSTALLATION  
(FOR CHANNING STREET)



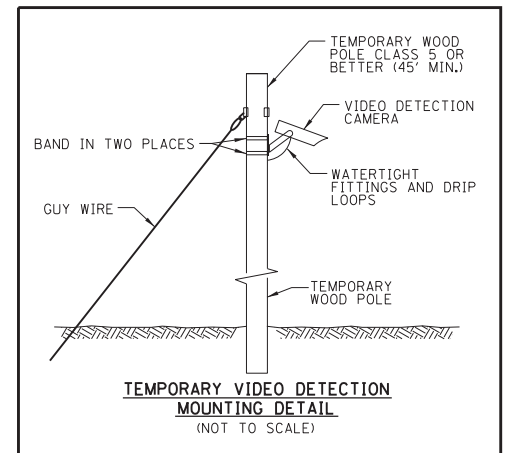
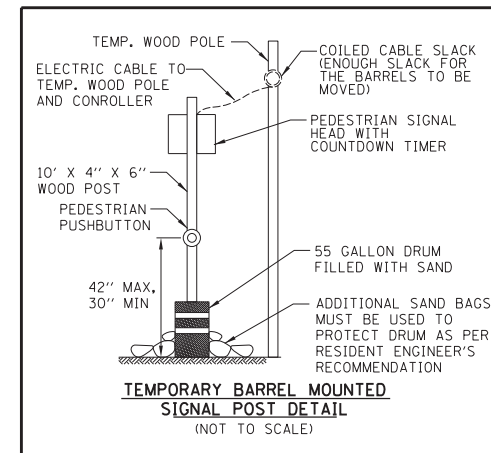
CONSTRUCTION NOTES:

- ① THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
 

1	EACH	CONTROLLER AND CABINET (COMPLETE)
4	EACH	SIGNAL HEAD, 3-FACE, 3-SECTION
4	EACH	SIGNAL POST
1	EACH	SERVICE INSTALLATION
4	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE
- ② THE TEMPORARY TRAFFIC SIGNAL LAYOUT FOR STAGE I IS SHOWN. THE VIDEO DETECTION ZONE AND SIGNAL HEAD PLACEMENT FOR EASTBOUND VEHICULAR TRAVEL SHALL BE ADJUSTED AS NEEDED FOR STAGES II, III, & IV.

NOTES FOR TEMPORARY TRAFFIC SIGNALS:

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
2. VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION WOOD POLES.
3. THE CONTRACTOR SHALL USE SIDEWALK DOWN GUY WIRES AS DIRECTED BY THE ENGINEER TO MAINTAIN SIDEWALK ACCESS. TEMPORARY NARROW SIDEWALK MAY BE REQUIRED AND WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. TEMPORARY BARREL MOUNTED SIGNAL POSTS TO BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER TO ACCOMMODATE STAGING OF ADJACENT WORK ITEMS.



Plot: 11/16/2018 1:48:22 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

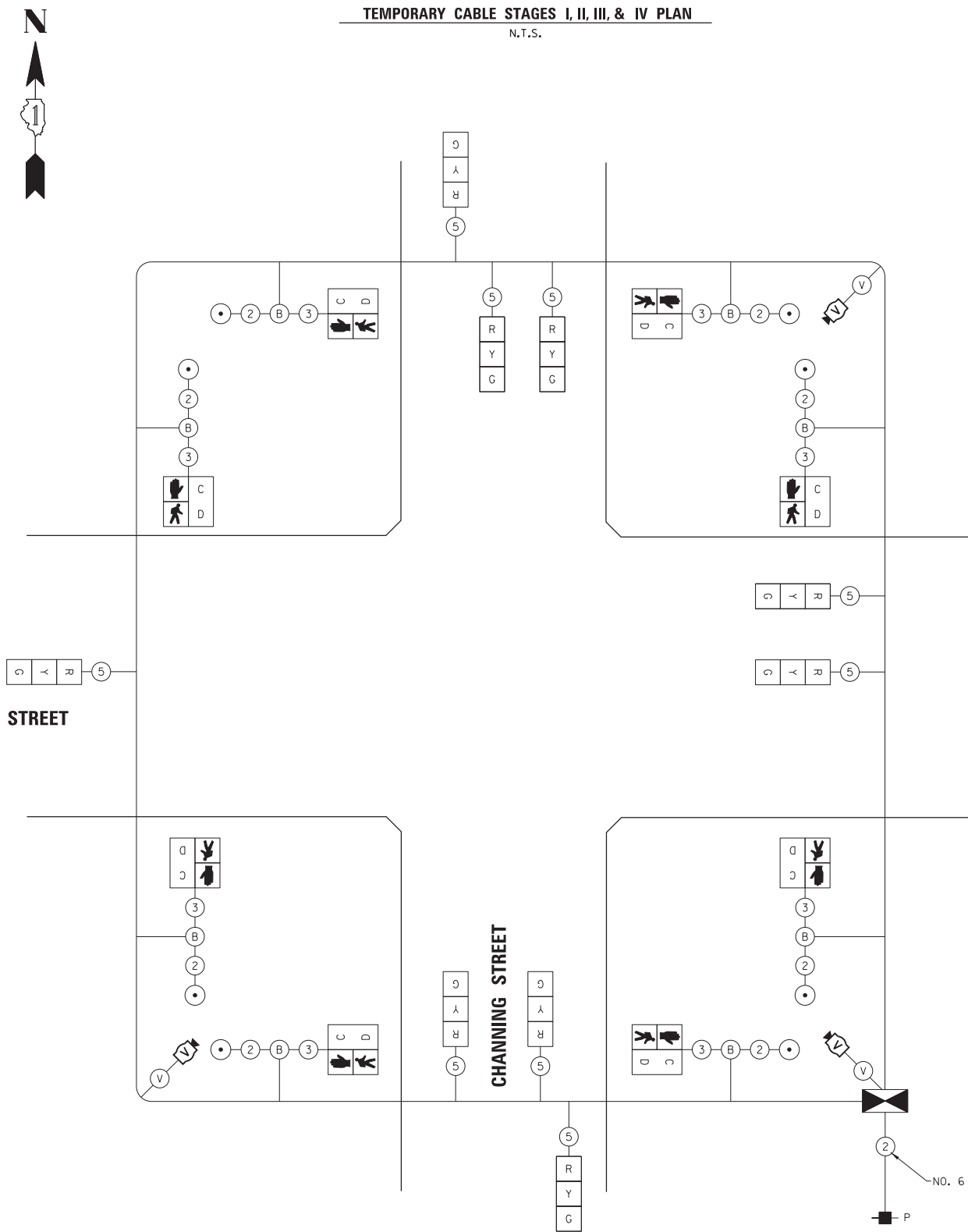
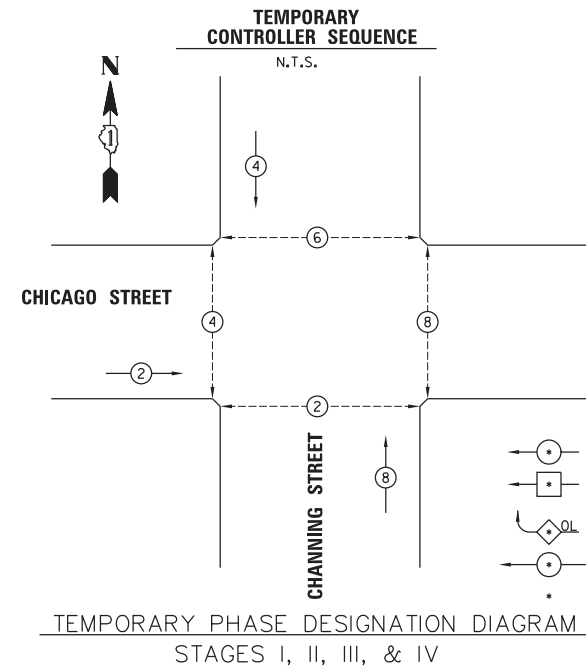
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - STAGES I, II, III, & IV CHANNING STREET**

SCALE: 1"=10' SHEET NO. 1 OF 6 SHEETS STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	86
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

Path: H:\S05KPR01\EGT04-Vign\Dgn-Final-Eng\EGT04-PLAN\_2018.dgn



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	WATTAGE LED	% OPERATIONS	
SIGNAL (RED)	9		17	0.50	76.5
(YELLOW)	9		25	0.25	56.25
(GREEN)	9		15	0.25	33.75
ARROW	-		12	0.10	-
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1	150			150.00
FLASHER				0.50	-
TOTAL =					616.50

ENERGY COST - **BILLED TO:** CITY OF ELGIN  
 (ADDRESS) 150 DEXTER COURT  
 ELGIN, IL 60120

ENERGY SUPPLY - **CONTACT:**  
 PHONE: 1-866-639-3532  
 COMPANY: COMED

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM**  
**STAGES I, II, III, & IV CHANNING STREET**

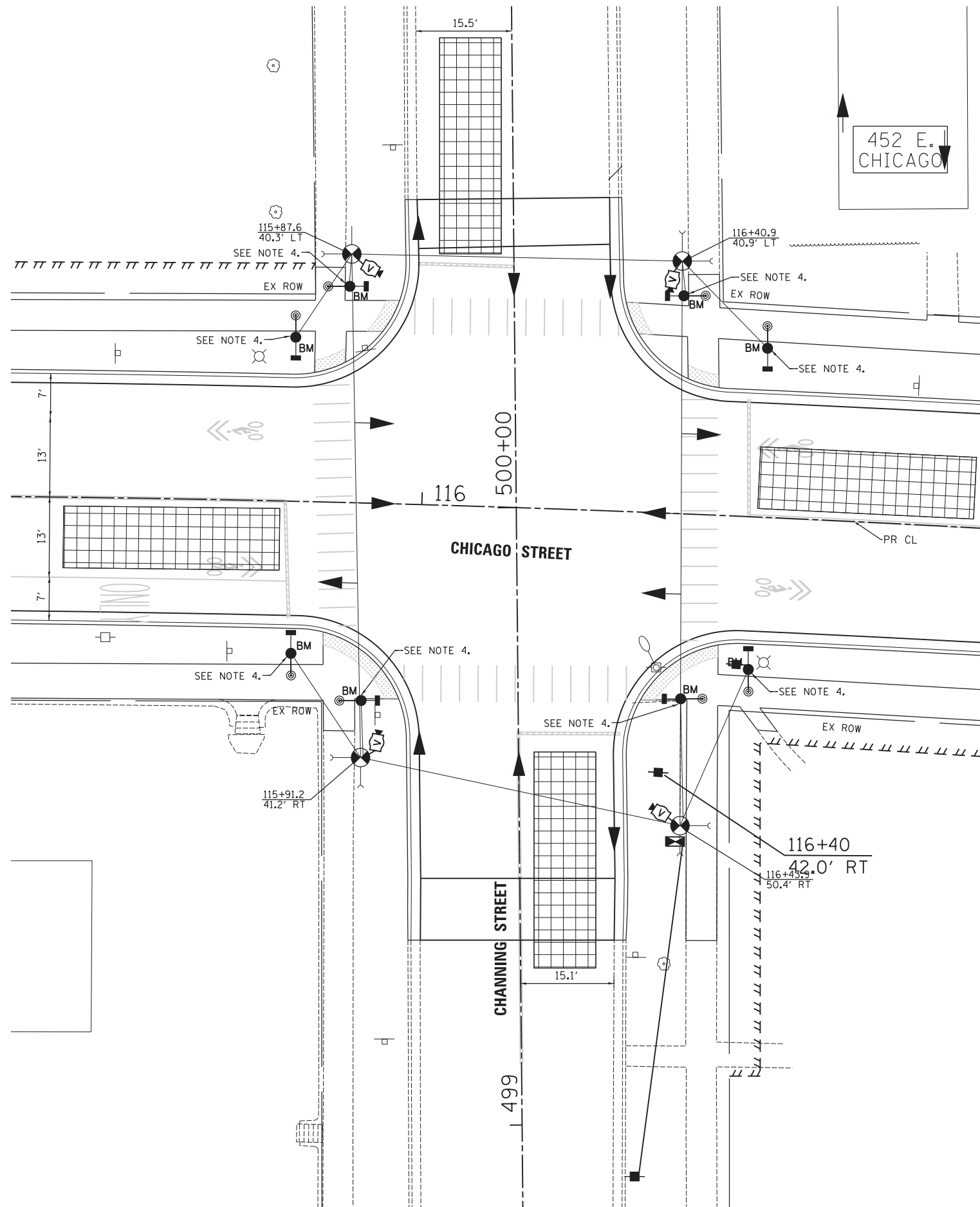
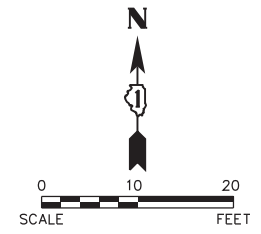
SCALE: SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	87
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Plot: ead: 11/16/2018 1:48:23 PM By: Jschmidt

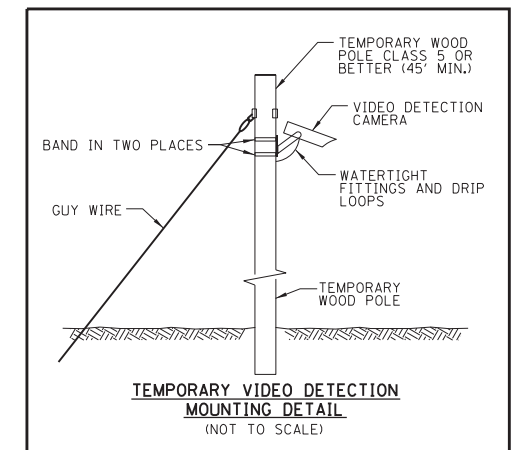
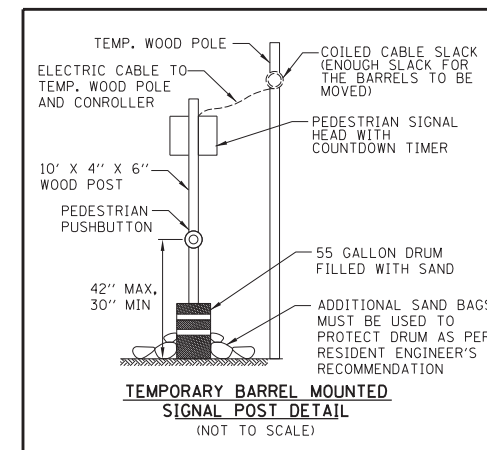
Path: H:\SIS\KPR\12-00183-00-PV\Final Eng\EGT04-1S PLAN-SHEETS.dgn





**NOTES FOR TEMPORARY TRAFFIC SIGNALS:**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
2. VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLATION WOOD POLES.
3. THE CONTRACTOR SHALL USE SIDEWALK DOWN GUY WIRES AS DIRECTED BY THE ENGINEER TO MAINTAIN SIDEWALK ACCESS. TEMPORARY SIDEWALK MAY BE REQUIRED AND WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. TEMPORARY BARREL MOUNTED SIGNAL POST TO BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER TO ACCOMMODATE STAGING OF ADJACENT WORK ITEMS.



Plot: 11/16/2018 1:48:24 PM By: Jschmidt

**Engineering Enterprises, Inc.**  
 CONSULTING ENGINEERS  
 52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
 150 DEXTER CT.  
 ELGIN, IL 60120

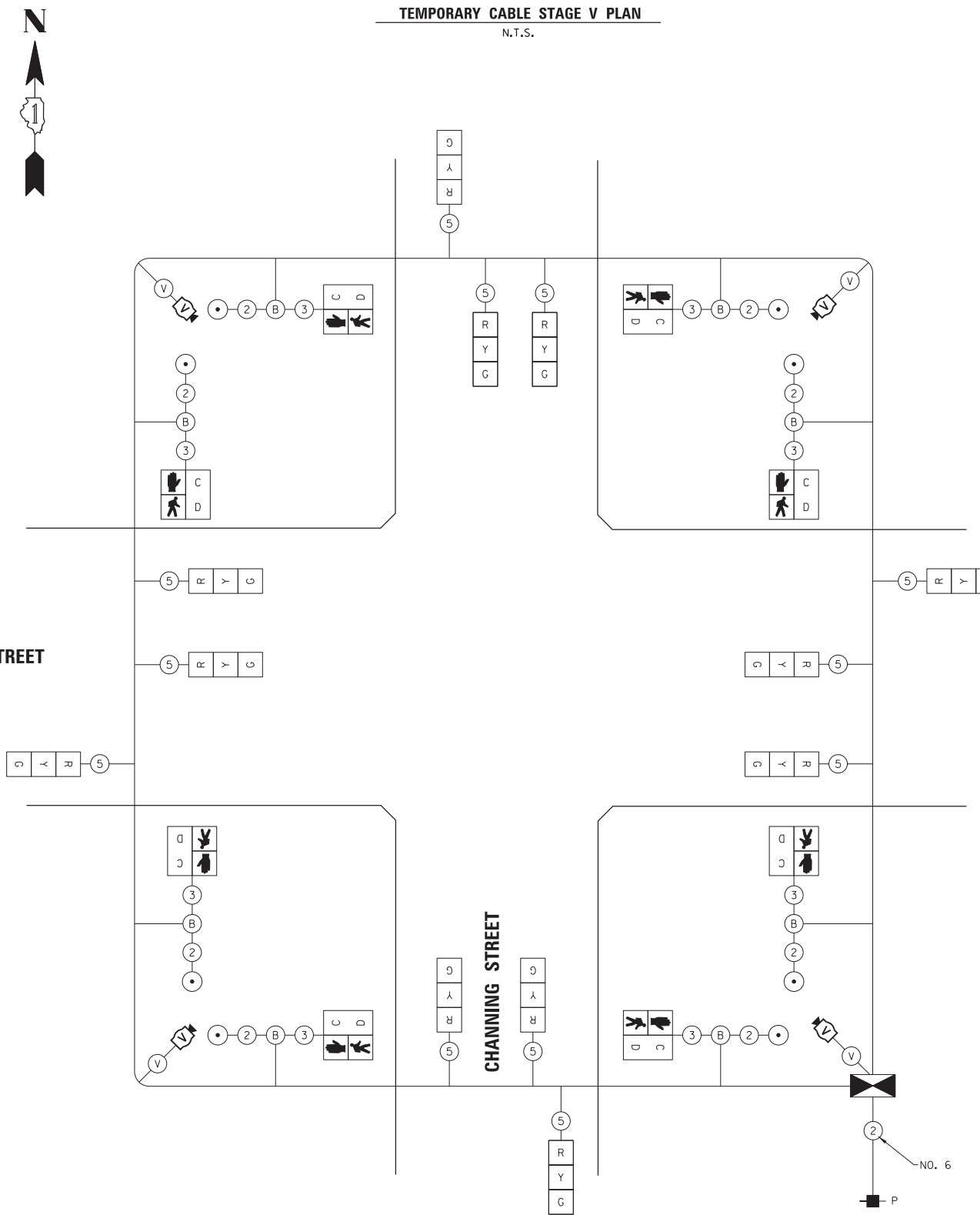
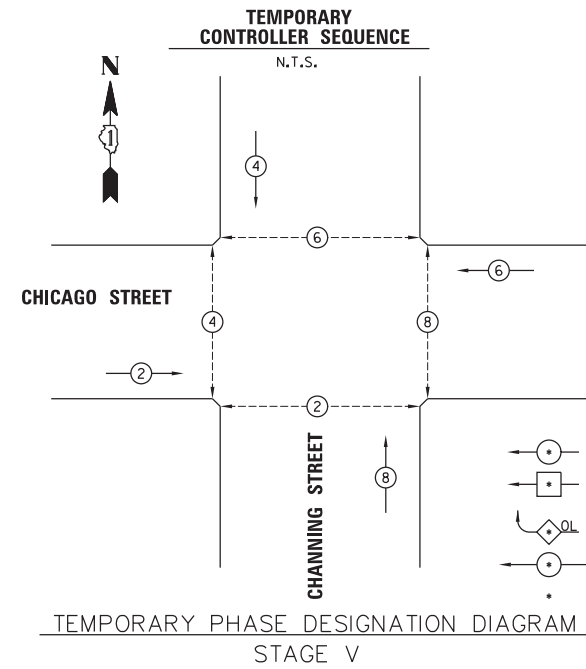
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**STAGE V CHANNING STREET**

SCALE: 1"=10' SHEET NO. 3 OF 6 SHEETS STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	88
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	WATTAGE LED	% OPERATIONS	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		25	0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	-		12	0.10	-
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1	150			150.00
FLASHER				0.50	-
				TOTAL =	672.00

ENERGY COST - BILLED TO: CITY OF ELGIN  
(ADDRESS) 150 DEXTER COURT  
ELGIN, IL 60120

ENERGY SUPPLY - CONTACT: \_\_\_\_\_  
PHONE: 1-866-639-3532  
COMPANY: COMED

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED - \_\_\_\_\_  
DRAWN - \_\_\_\_\_  
CHECKED - \_\_\_\_\_  
DATE - \_\_\_\_\_

REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_  
REVISED - \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

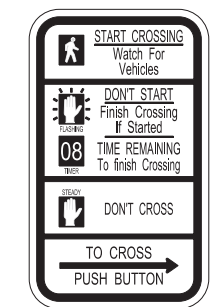
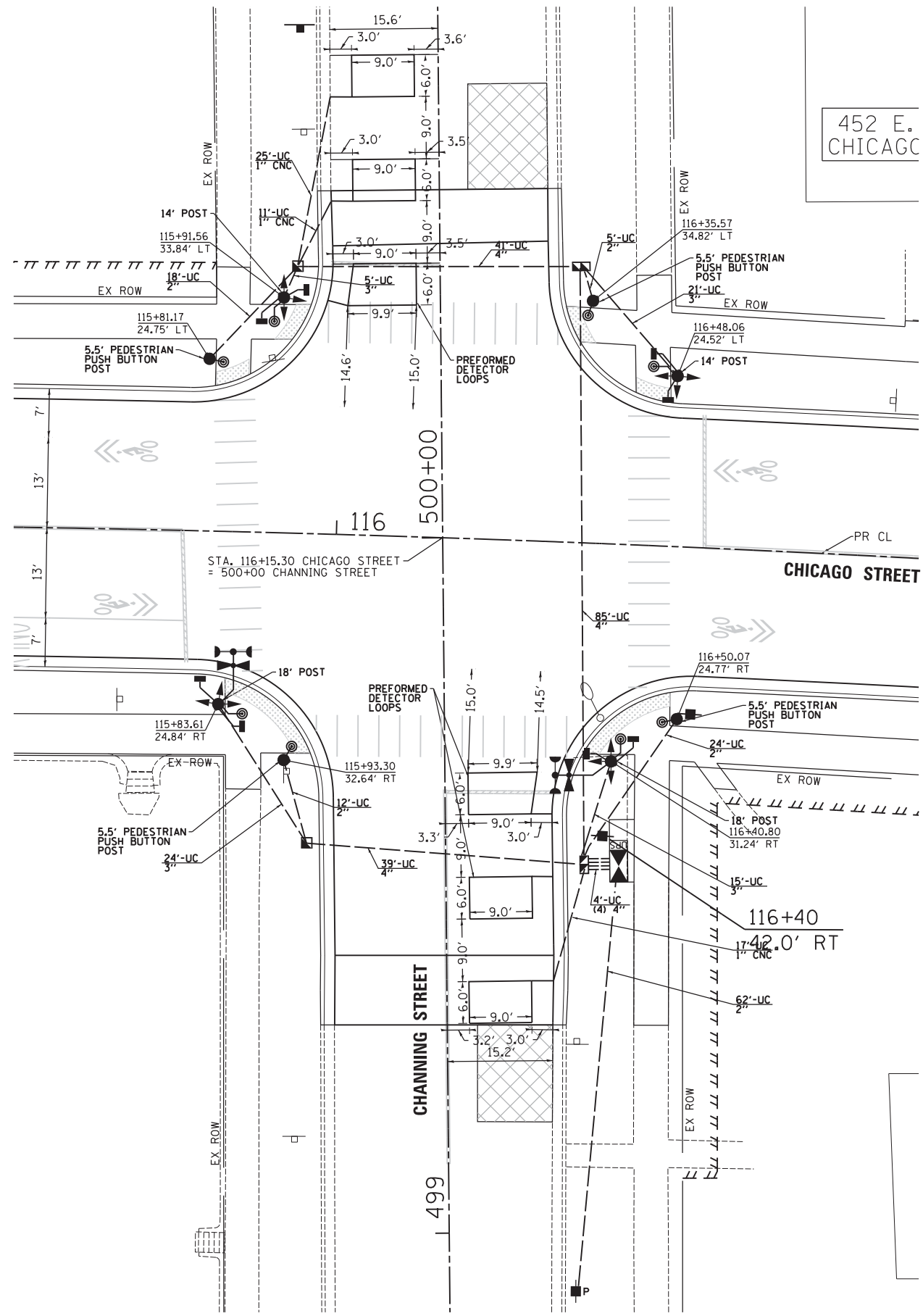
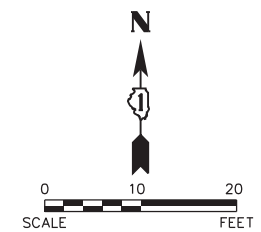
**CHICAGO STREET**  
**TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM**  
**STAGE V CHANNING STREET**

SCALE: \_\_\_\_\_ SHEET NO. 4 OF 6 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	89
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E15	

Plot: ead: 11/16/2018 1:48:24 PM By: Jschmidt

Path: H:\SIS\KPR\12-00183-00-PV\Final Eng\EGT04-1S PLAN-SHEETS.dgn



R10-3e  
4 REQUIRED  
(INCLUDED IN THE COST OF PEDESTRIAN PUSH BUTTON)



R10-3e  
4 REQUIRED  
(INCLUDED IN THE COST OF PEDESTRIAN PUSH BUTTON)

NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "SIEMENS", AND THE TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "TOMAR" TO MATCH THE CITY'S EXISTING OPERATIONS.
2. ALL PROPOSED DETECTOR LOOPS SHALL BE TYPE I AND SAWCUT IN THE EXISTING OR PROPOSED SURFACE UNLESS OTHERWISE INDICATED ON THE PLANS.
3. ALL TRAFFIC SIGNAL POSTS, PEDESTRIAN PUSH BUTTON POSTS, AND POST BASES SHALL BE PAINTED BLACK
4. ALL STATIONS SHOWN ON THE PLAN ARE APPROXIMATE.

Plot: 11/16/2018 1:48:25 PM By: J.schmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

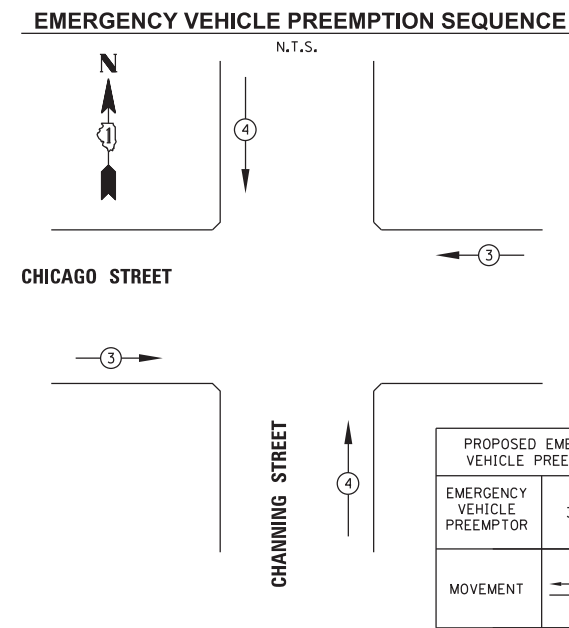
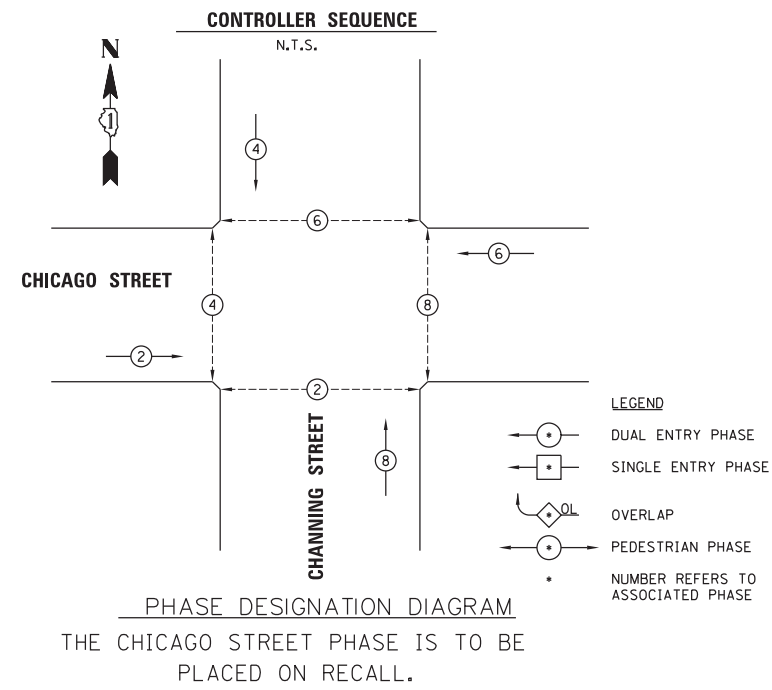
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**TRAFFIC SIGNAL MODERNIZATION PLAN**  
**CHANNING STREET**

SCALE: 1"=10'      SHEET NO. 5 OF 6 SHEETS      STA. 103+00 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	90
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

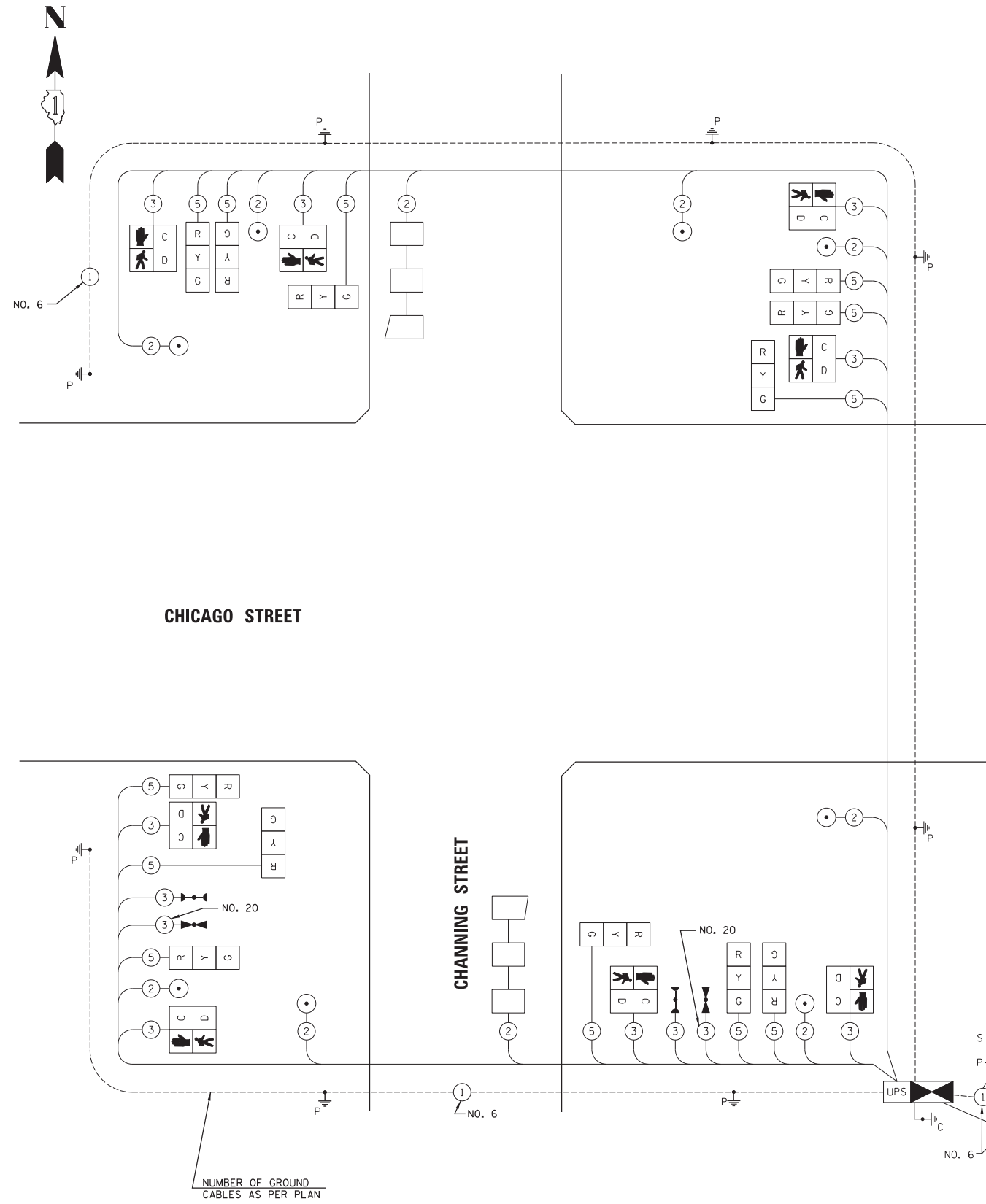


I.D.O.T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	INCAND.	LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	12	17	0.50		102.00
(YELLOW)	12	25	0.25		75.00
(GREEN)	12	15	0.25		45.00
ARROW	-	12	0.10		-
PED. SIGNAL	8	25	1.00		200.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	-	25	1.00		-
TOTAL =					522.00

ENERGY COST - BILLED TO: CITY OF ELGIN  
(ADDRESS) 150 DEXTER COURT  
ELGIN, IL 60120

ENERGY SUPPLY - CONTACT: \_\_\_\_\_  
PHONE: 1-866-639-3532  
COMPANY: COMED



**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM DESCRIPTION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
121	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
65	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
181	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
2	EACH	HANDHOLE
2	EACH	DOUBLE HANDHOLE
4	EACH	PAINT NEW TRAFFIC SIGNAL POST
936	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1172	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1497	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
488	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
83	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
463	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
32	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
4	EACH	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
99	FOOT	DETECTOR LOOP, TYPE I
101	FOOT	PREFORMED DETECTOR LOOP
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING HANDHOLE
5	EACH	REMOVE EXISTING CONCRETE FOUNDATION
174	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
4	EACH	PEDESTRIAN PUSH-BUTTON POST, SPECIAL
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

NOTES:

- THE TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "TOMAR" TO MATCH THE CITY'S EXISTING OPERATIONS.

Plot #ed: 11/16/2018 1:48:26 PM By: J.schmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

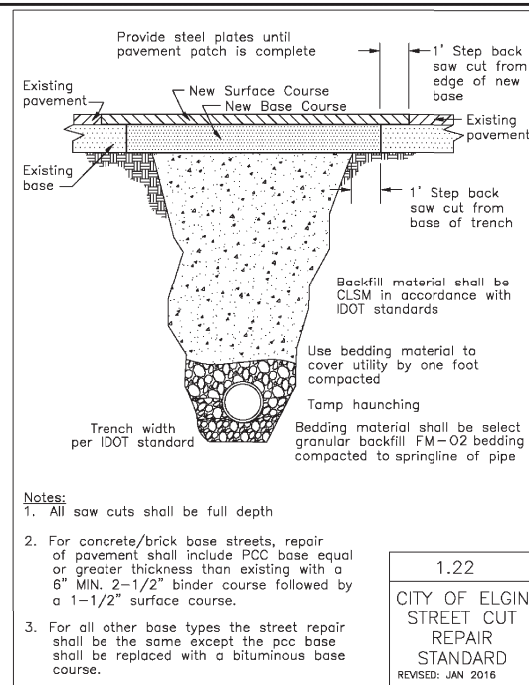
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,**  
**AND EMERGENCY VEHICLE PREEMPTION SEQUENCE - CHANNING STREET**

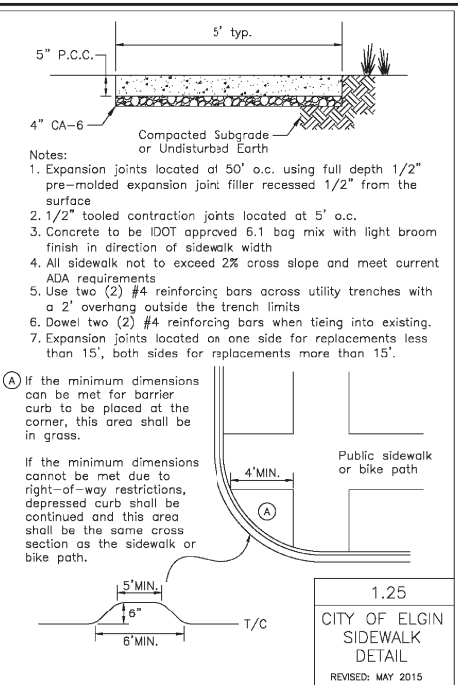
SCALE: SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	91
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

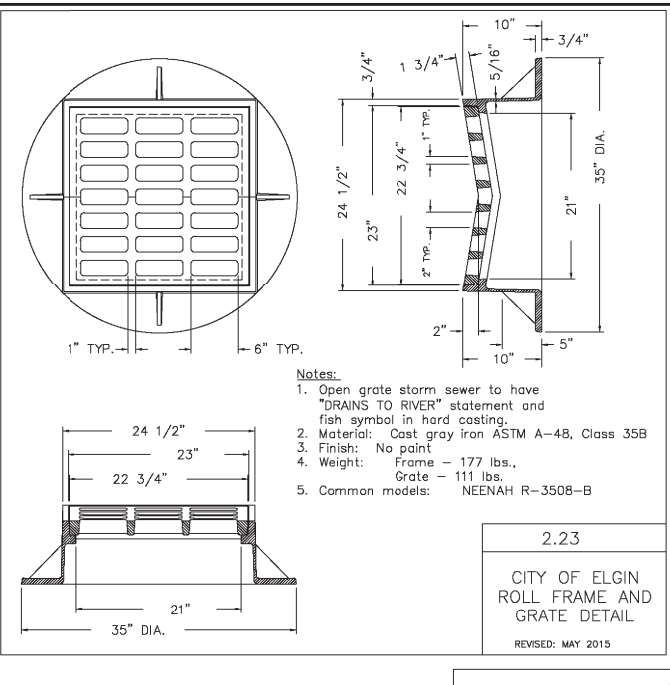
Path: H:\SIS\Proj\VECT04\Draw\Eng\VECT04-15-PLAN-SHEETS.dgn



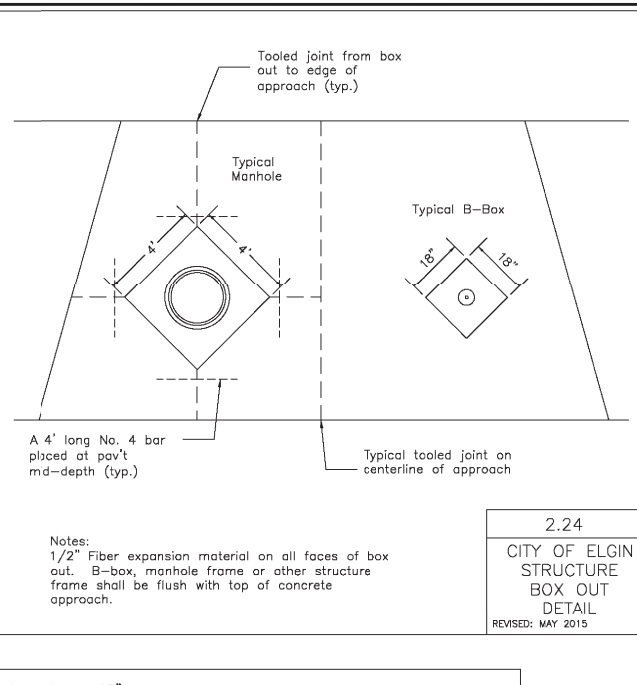
1.22  
CITY OF ELGIN  
STREET CUT  
REPAIR  
STANDARD  
REVISED: JAN 2016



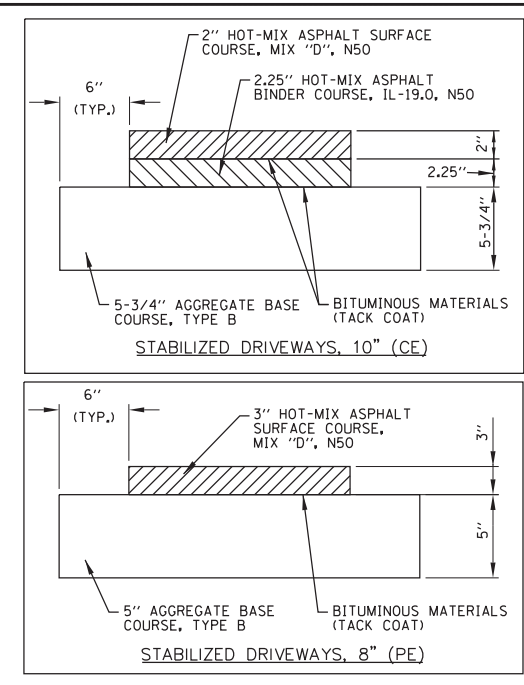
1.25  
CITY OF ELGIN  
SIDEWALK  
DETAIL  
REVISED: MAY 2015



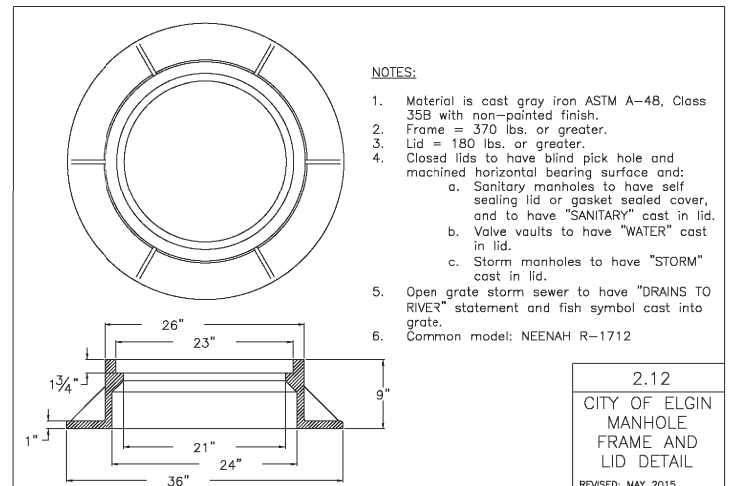
2.23  
CITY OF ELGIN  
ROLL FRAME AND  
GRATE DETAIL  
REVISED: MAY 2015



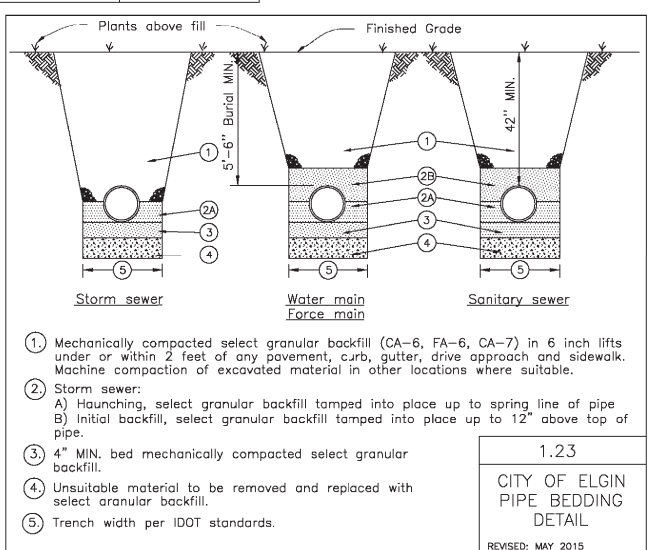
2.24  
CITY OF ELGIN  
STRUCTURE  
BOX OUT  
DETAIL  
REVISED: MAY 2015



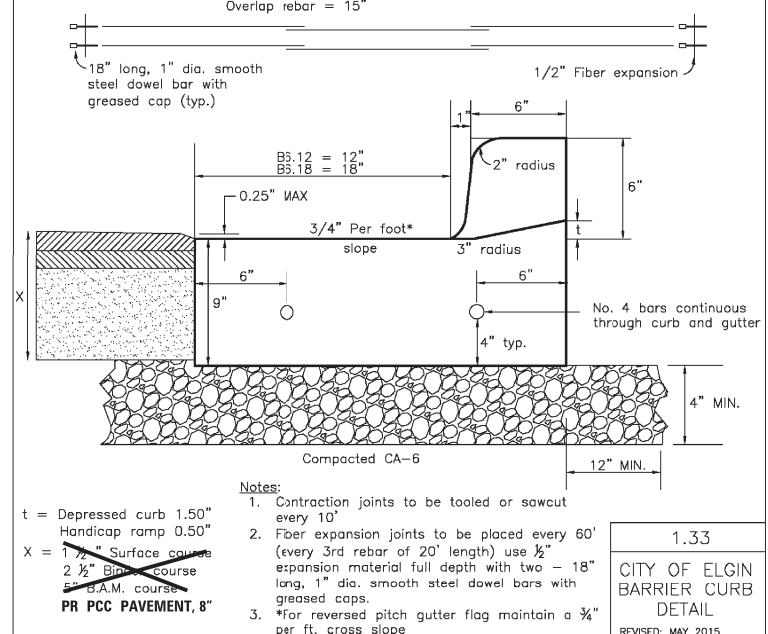
1.31  
CITY OF ELGIN  
COMMERCIAL  
DRIVE APPROACH  
DETAIL  
REVISED: MAY 2015



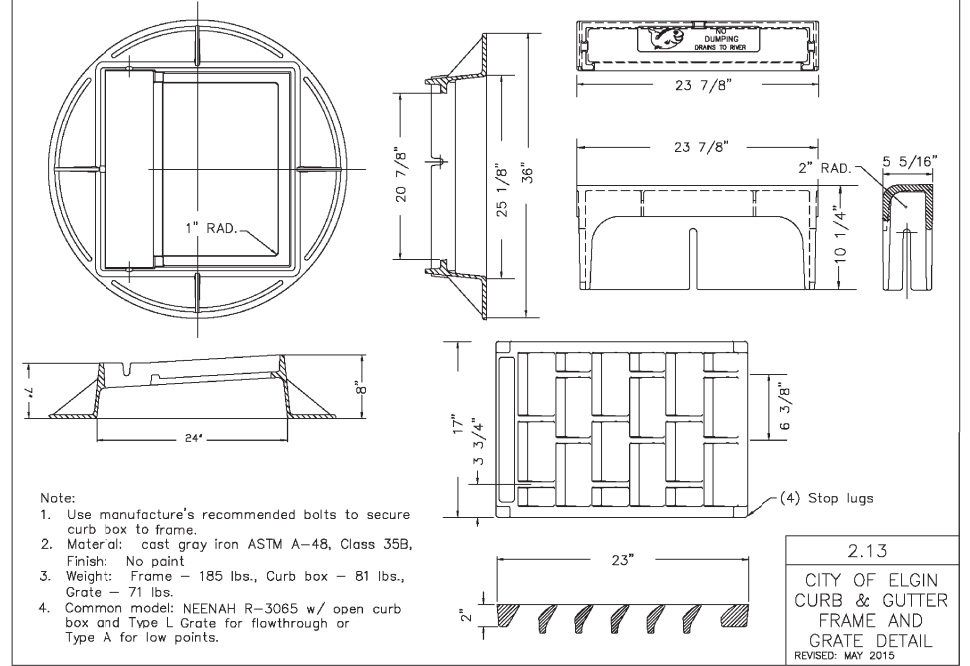
2.12  
CITY OF ELGIN  
MANHOLE  
FRAME AND  
LID DETAIL  
REVISED: MAY 2015



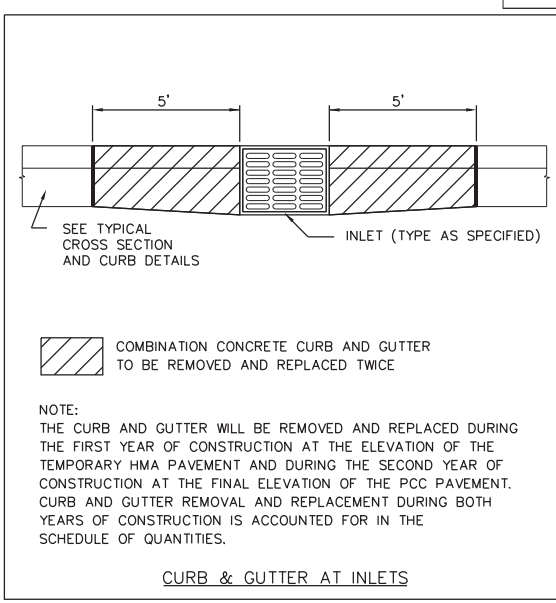
2.13  
CITY OF ELGIN  
CURB & GUTTER  
DETAIL  
REVISED: MAY 2015



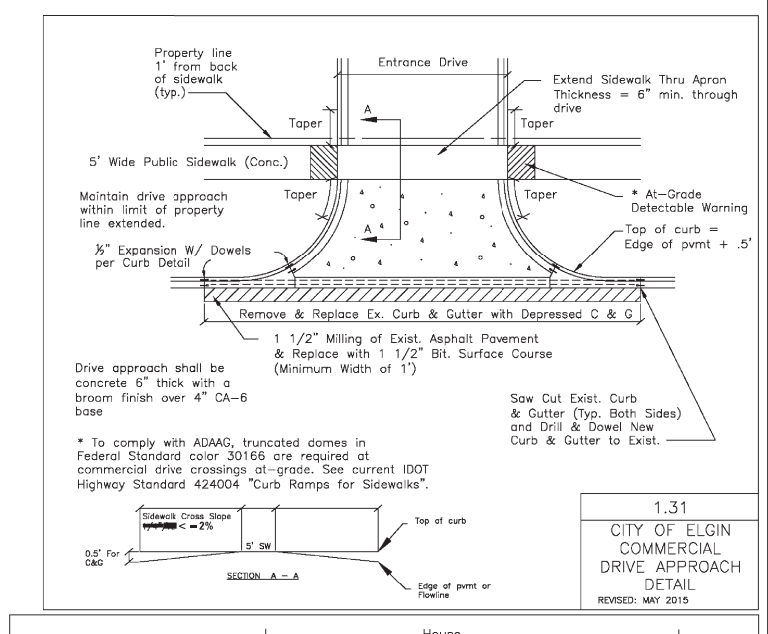
1.33  
CITY OF ELGIN  
BARRIER CURB  
DETAIL  
REVISED: MAY 2015



2.13  
CITY OF ELGIN  
CURB & GUTTER  
FRAME AND  
GRATE DETAIL  
REVISED: MAY 2015



1.34  
CITY OF ELGIN  
B-MODIFIED  
CURB DETAIL  
REVISED: MAY 2015



1.32  
CITY OF ELGIN  
RESIDENTIAL  
DRIVE APPROACH  
DETAIL  
REVISED: MAY 2015

Engineering Enterprises, Inc.  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

CITY OF ELGIN  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO STREET  
SPECIAL DETAILS

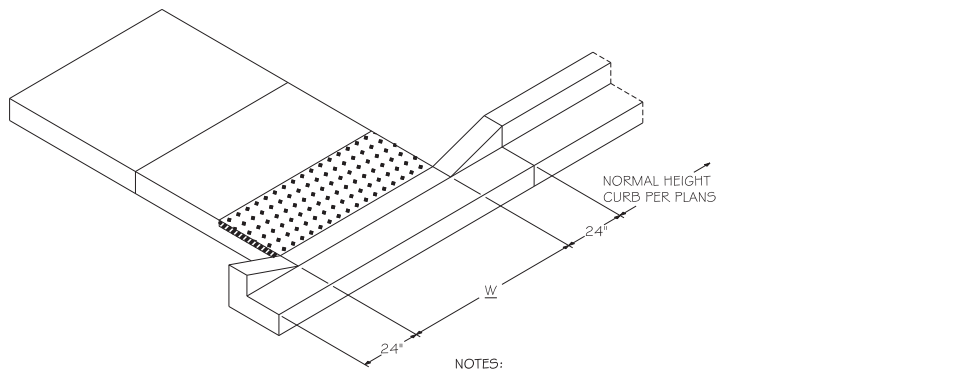
SCALE: N.T.S. SHEET NO. 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	92
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Plot: 11/8/2018 11:30:11 AM By: Jschmidt

Path: H:\SBSK\Proj\12018\11-8-2018\11-8-2018-Final Eng\12018-Cur.dgn

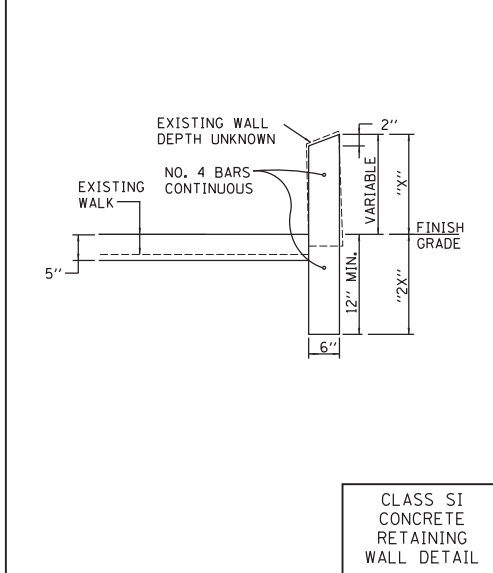
Printed: July 29, 2015 @ 11:21 AM By: Jim Schmidt - Tab: 90 Details 22-34  
 Plot#ed: 11/8/2018 11:30:18 AM By: Jschmidt



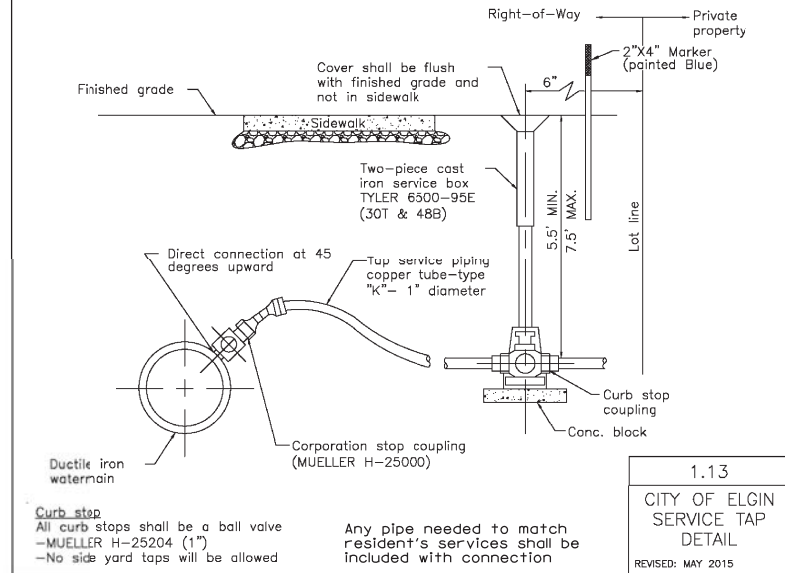
**CURB HEAD TAPER AT PEDESTRIAN RAMPS FOR SIDEWALK IN LANDSCAPED AREAS**

- NOTES:
1. PLACEMENT OF DETECTABLE WARNING TILES SHALL ADHERE TO LOCATIONS # SETBACKS AS SHOWN IN IDOT HIGHWAY STANDARDS INCLUDING 42400 I, 42400G, 42401 G, 42402 I, AND 42402G FOR VARIOUS FIELD CONDITIONS. SIDEWALK RAMP WIDTH (W) AND LAYOUT SHALL BE ACCORDING TO THESE IDOT HIGHWAY STANDARDS, EXCEPT A SIDE CURB SHALL NOT BE CONSTRUCTED IN LANDSCAPED AREAS.
  2. DETECTABLE WARNING TILES SHALL BE BRICK RED ARMOR TILE PRODUCT WITH A 5 YEAR WARRANTY (MIN.).
  3. TILES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS.
  4. THE COLORING AND STAMPING OF CONCRETE WILL NOT BE ALLOWED.

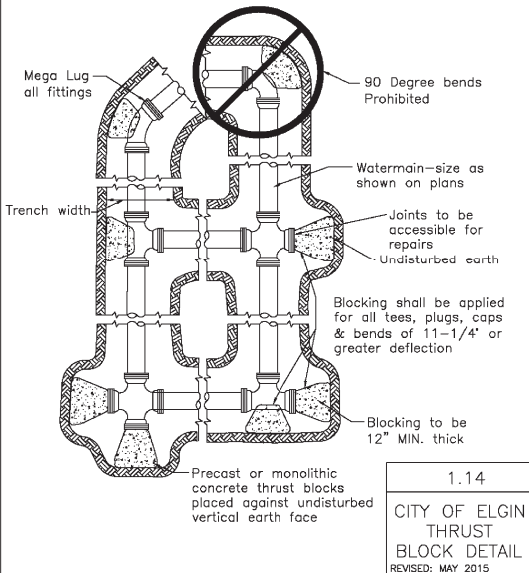
REVISIONS		SCALE:
DATE:	BY:	NOT TO SCALE
		DATE: 2/2015
		CHECKED: TAW
		DRAWN: CLN



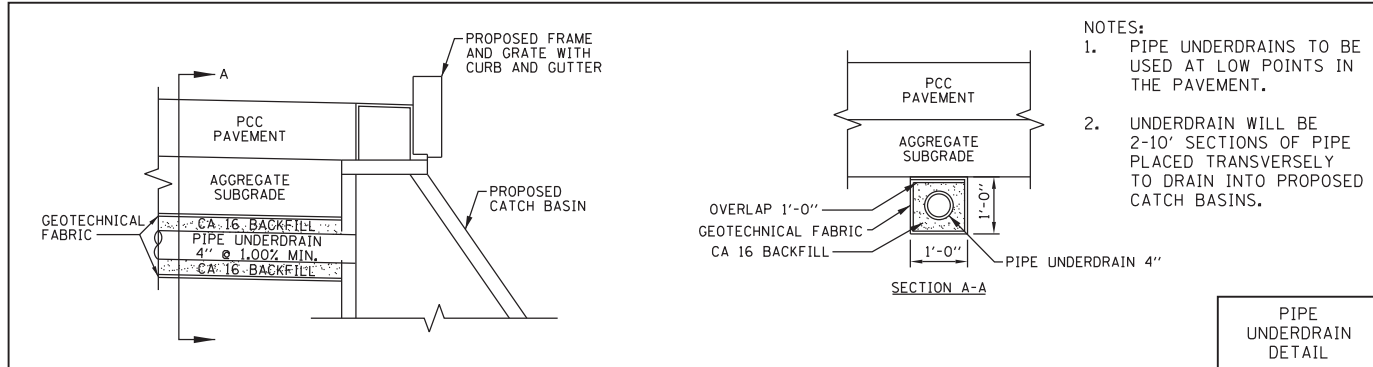
**CLASS SI CONCRETE RETAINING WALL DETAIL**



**1.13 CITY OF ELGIN SERVICE TAP DETAIL**  
REVISED: MAY 2015

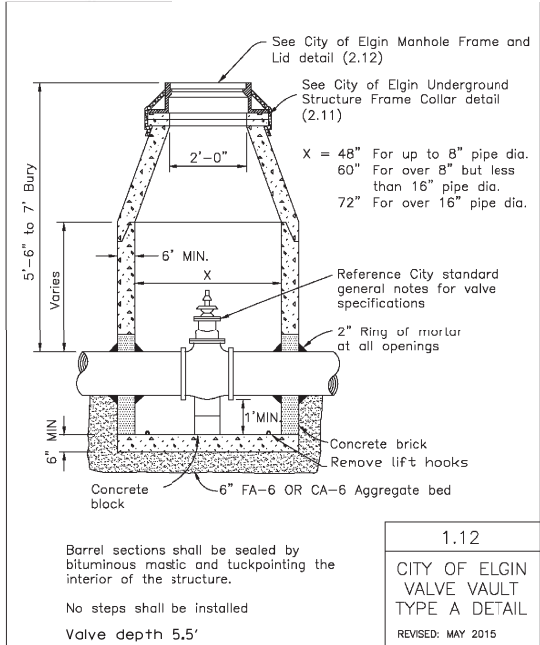


**1.14 CITY OF ELGIN THRUST BLOCK DETAIL**  
REVISED: MAY 2015

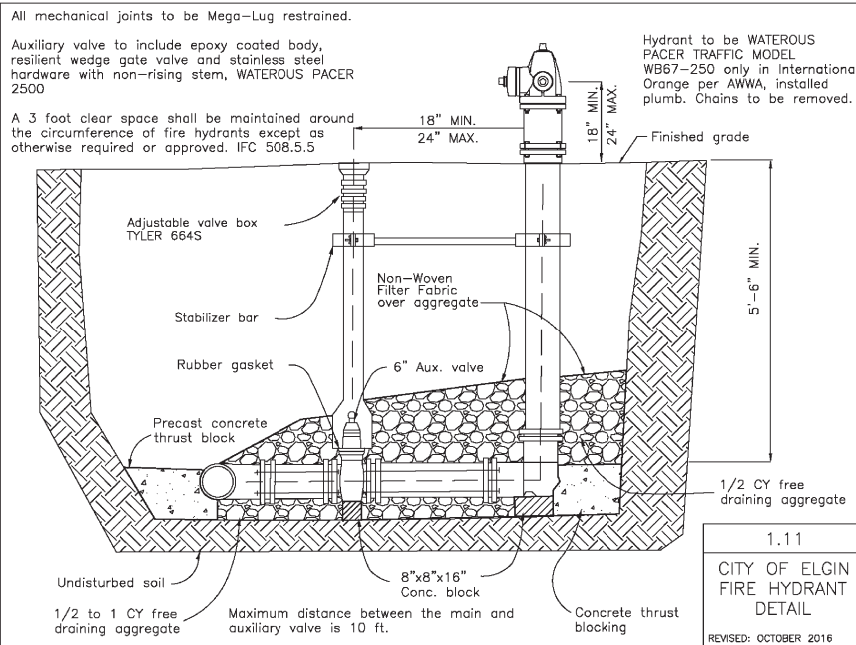


- NOTES:
1. PIPE UNDERDRAINS TO BE USED AT LOW POINTS IN THE PAVEMENT.
  2. UNDERDRAIN WILL BE 2'-10" SECTIONS OF PIPE PLACED TRANSVERSELY TO DRAIN INTO PROPOSED CATCH BASINS.

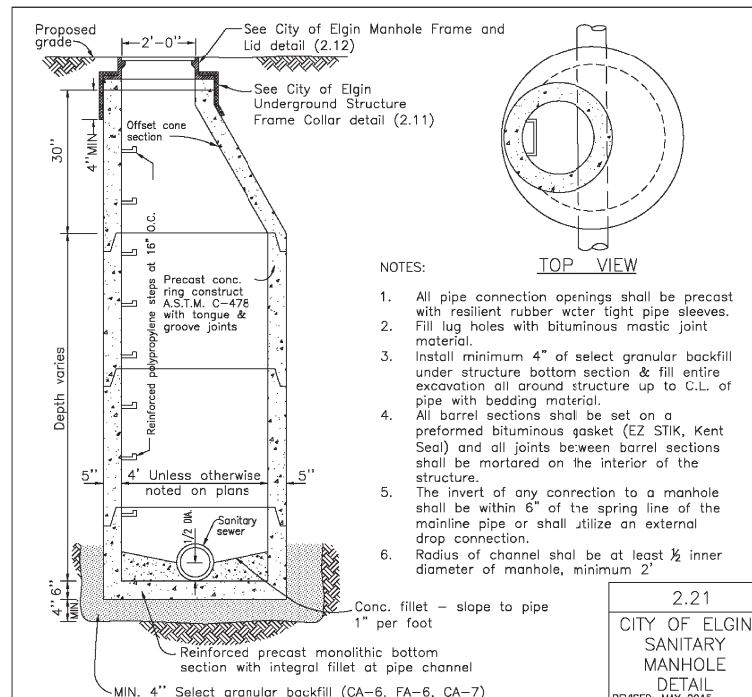
**PIPE UNDERDRAIN DETAIL**



**1.12 CITY OF ELGIN VALVE VAULT TYPE A DETAIL**  
REVISED: MAY 2015

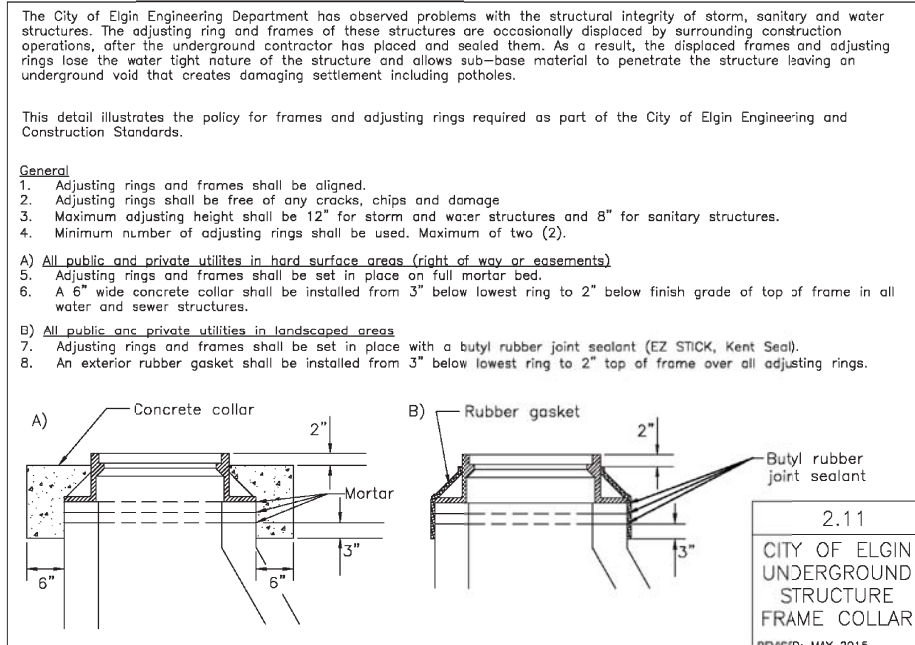


**1.11 CITY OF ELGIN FIRE HYDRANT DETAIL**  
REVISED: OCTOBER 2016

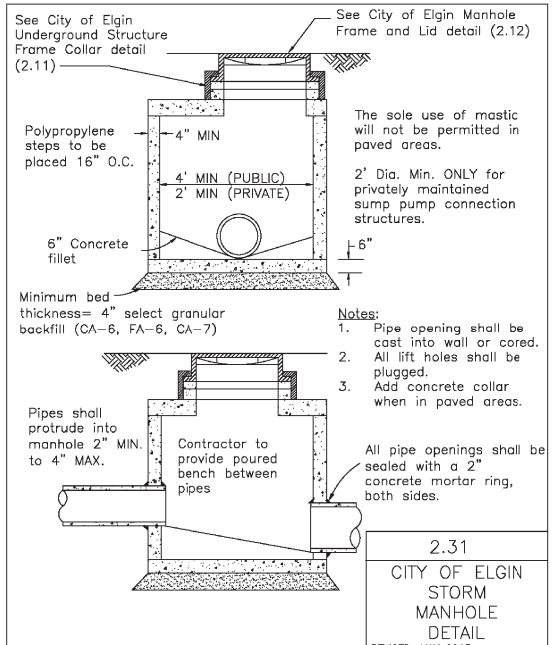


- NOTES:
1. All pipe connection openings shall be precast with resilient rubber water tight pipe sleeves. Fill lug holes with bituminous mastic joint material.
  2. Install minimum 4" of select granular backfill under structure bottom section & fill entire excavation all around structure up to C.L. of pipe with bedding material.
  3. All barrel sections shall be set on a preformed bituminous gasket (EZ STIK, Kent Seal) and all joints between barrel sections shall be mortared on the interior of the structure.
  4. The invert of any connection to a manhole shall be within 6" of the spring line of the mainline pipe or shall utilize an external drop connection.
  5. Radius of channel shall be at least 1/2 inner diameter of manhole, minimum 2'
  6. Reinforced precast monolithic bottom section with integral fillet at pipe channel. MIN. 4" Select granular backfill (CA-6, FA-6, CA-7)

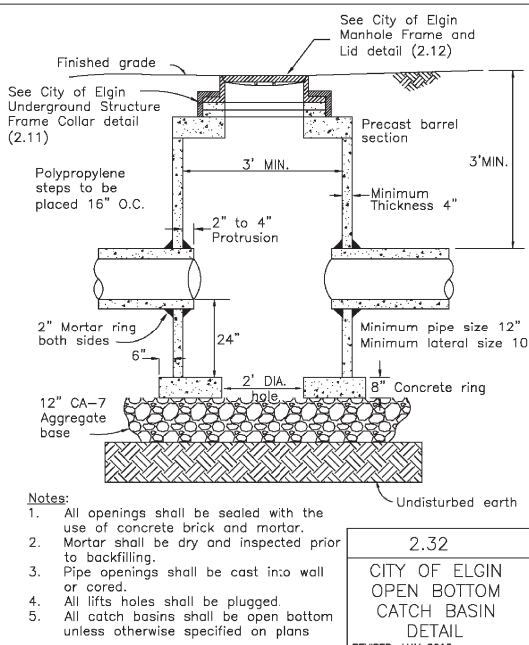
**2.21 CITY OF ELGIN SANITARY MANHOLE DETAIL**  
REVISED: MAY 2015



**2.11 CITY OF ELGIN UNDERGROUND STRUCTURE FRAME COLLAR**  
REVISED: MAY 2015



**2.31 CITY OF ELGIN STORM MANHOLE DETAIL**  
REVISED: MAY 2015



**2.32 CITY OF ELGIN OPEN BOTTOM CATCH BASIN DETAIL**  
REVISED: MAY 2015

The City of Elgin Engineering Department has observed problems with the structural integrity of storm, sanitary and water structures. The adjusting ring and frames of these structures are occasionally displaced by surrounding construction operations, after the underground contractor has placed and sealed them. As a result, the displaced frames and adjusting rings lose the water tight nature of the structure and allows sub-base material to penetrate the structure leaving an underground void that creates damaging settlement including potholes.

This detail illustrates the policy for frames and adjusting rings required as part of the City of Elgin Engineering and Construction Standards.

**General**

1. Adjusting rings and frames shall be aligned.
2. Adjusting rings shall be free of any cracks, chips and damage
3. Maximum adjusting height shall be 12" for storm and water structures and 8" for sanitary structures.
4. Minimum number of adjusting rings shall be used. Maximum of two (2).

**A) All public and private utilities in hard surface areas (right of way or easements)**

5. Adjusting rings and frames shall be set in place on full mortar bed.
6. A 6" wide concrete collar shall be installed from 3" below lowest ring to 2" below finish grade of top of frame in all water and sewer structures.

**B) All public and private utilities in landscaped areas**

7. Adjusting rings and frames shall be set in place with a butyl rubber joint sealant (EZ STICK, Kent Seal).
8. An exterior rubber gasket shall be installed from 3" below lowest ring to 2" top of frame over all adjusting rings.

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
DEPARTMENT OF TRANSPORTATION

**CHICAGO STREET**  
SPECIAL DETAILS

SCALE: N.T.S. SHEET NO. 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	93
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Plot#ed: 11/8/2018 11:30:18 AM By: Jschmidt

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PERFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

Plot#ed: 10/9/2017 7:55:01 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET**  
**SPECIAL DETAILS**

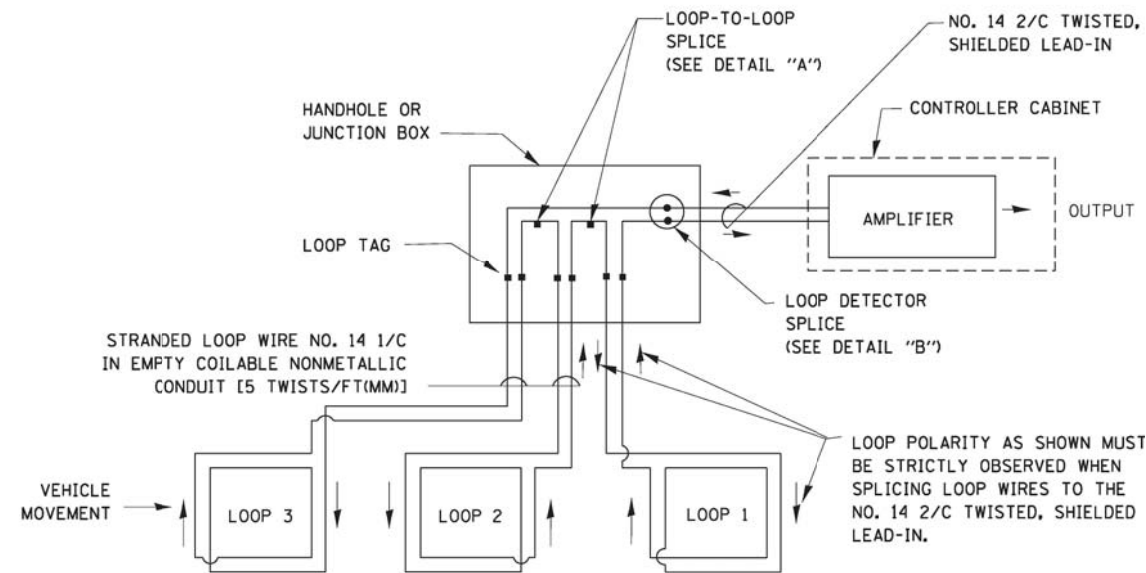
SCALE: N.T.S. SHEET NO. 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	94
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

Path: H:\SBSKProj\EGT04\Drawn\Final Eng\EGT04-Cvr.dgn

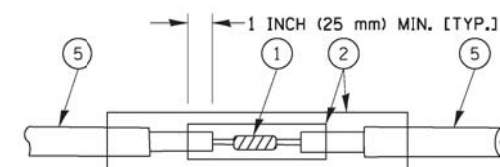
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

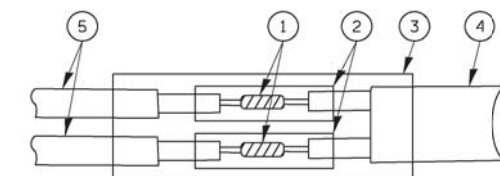


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



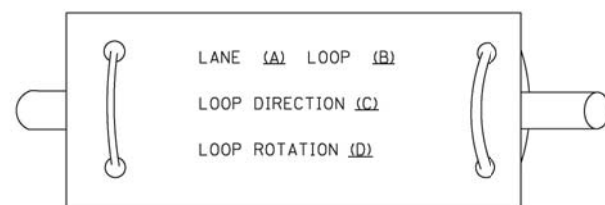
DETAIL "A"  
LOOP-TO-LOOP SPLICE



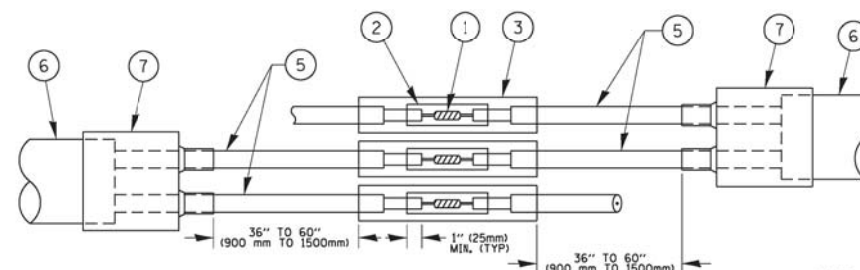
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**

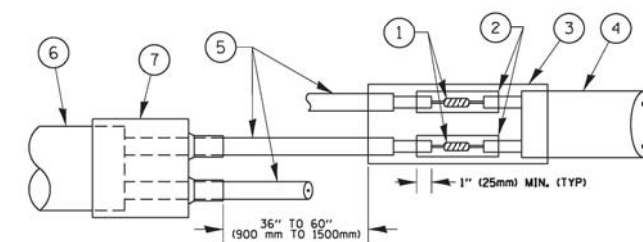
**LOOP LEAD-IN CABLE TAG**



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

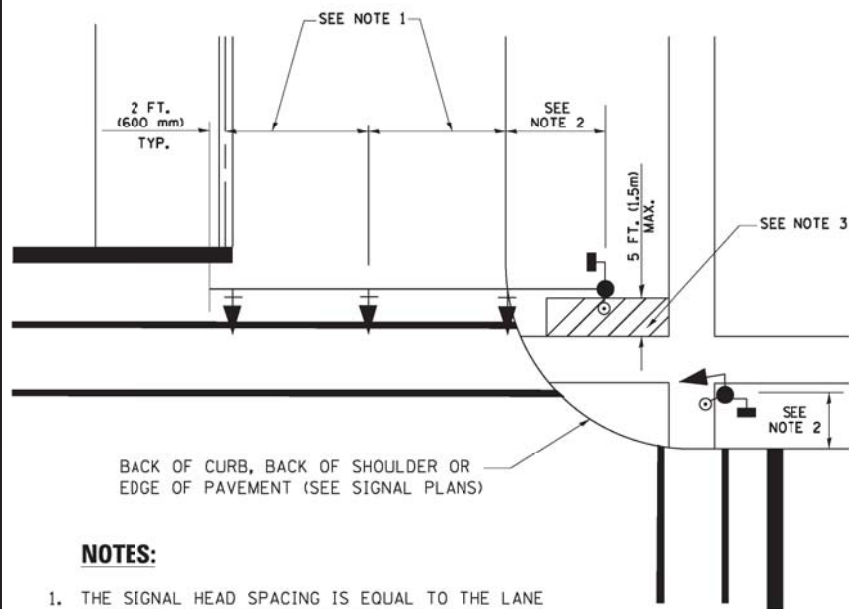
- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS.

Plot#ed: 10/9/2017 7:55:10 AM By: Jschmidt

Path: H:\SBSKProj\EGT04 Vign\Dgn Final Eng\EGT04-Cvr.dgn



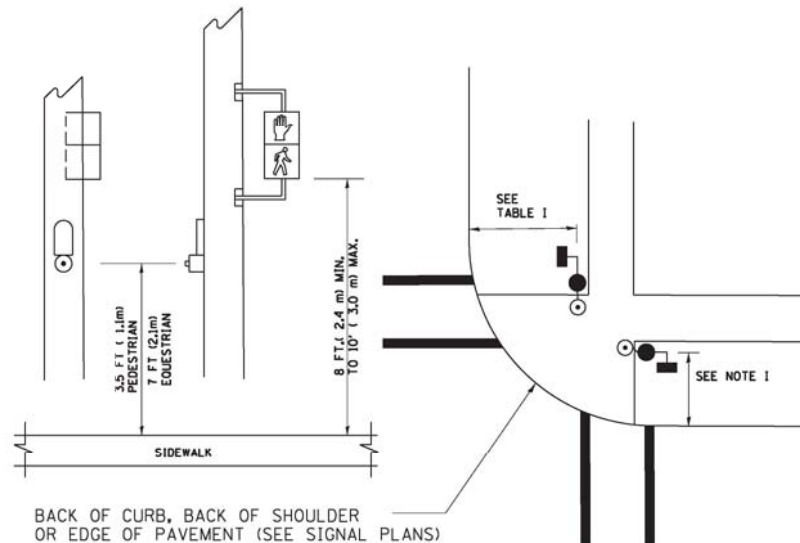
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

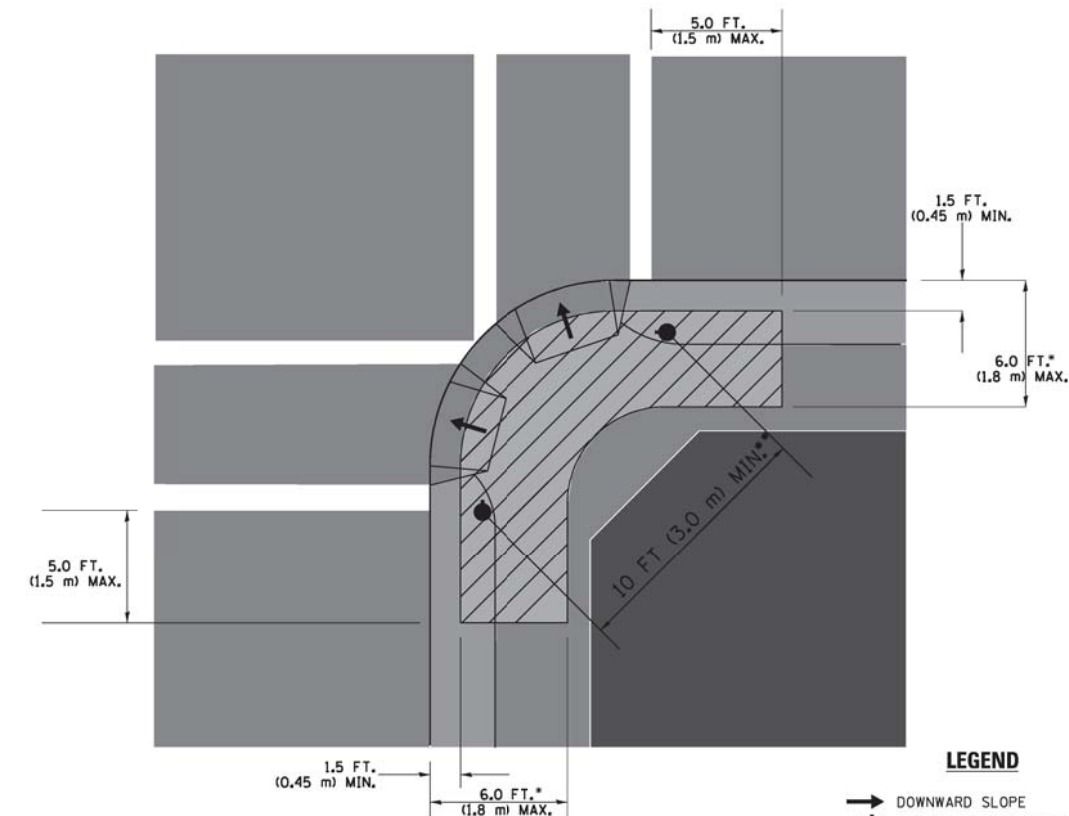
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

Plot#ed: 10/9/2017 7:55:22 AM By: Jschmidt

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

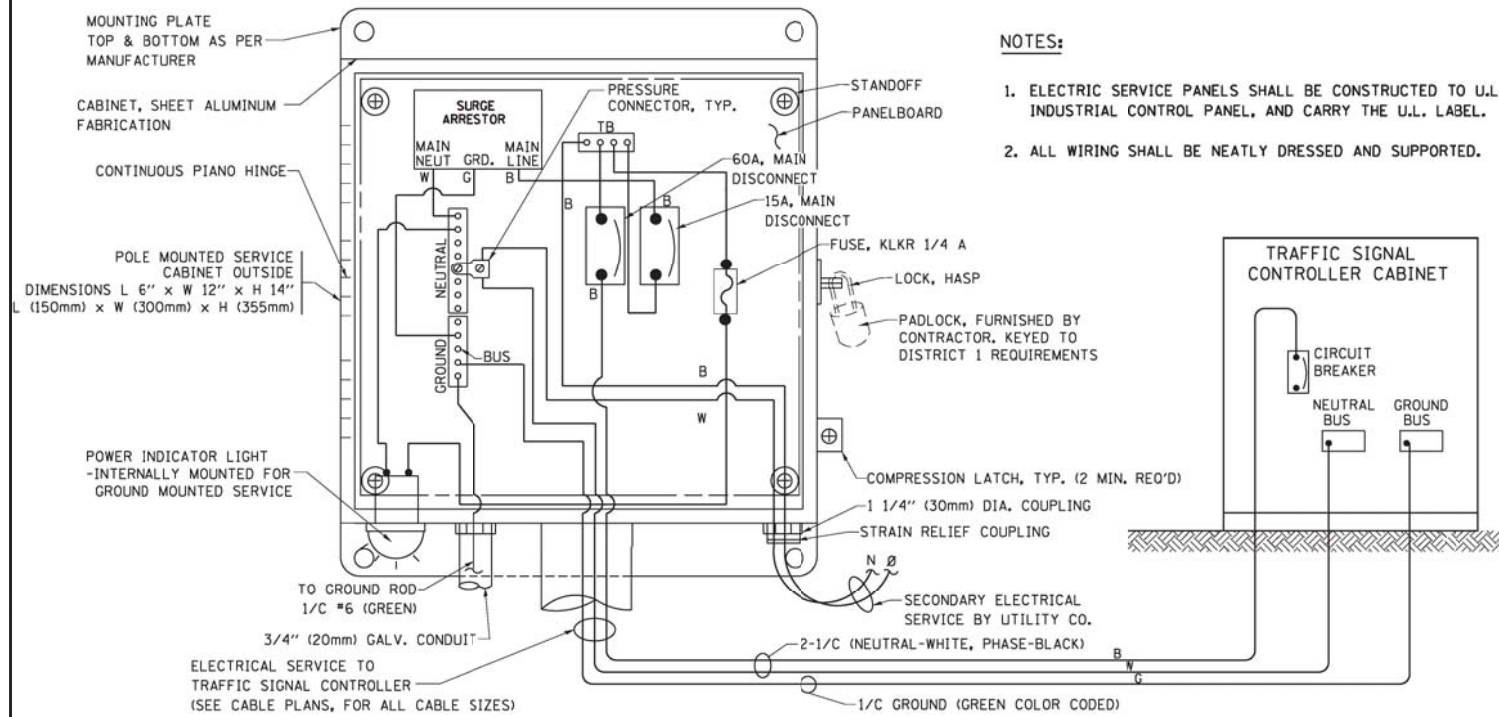
**CHICAGO STREET**  
**SPECIAL DETAILS**

SCALE: N.T.S. SHEET NO. 5 OF 9 SHEETS STA. TO STA.

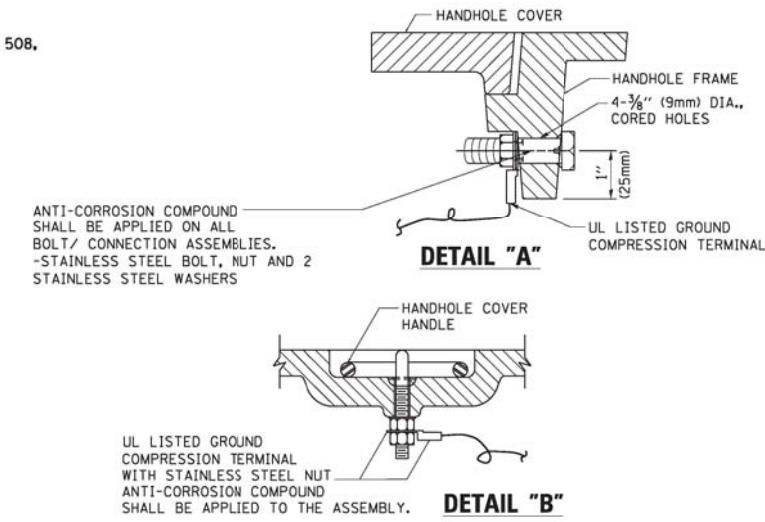
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	96
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

COPYRIGHT 2017 ENGINEERING ENTERPRISES, INC.

Path: H:\SBSKProj\61E15\Drawings\Final Eng\61E15-Cvr.dgn

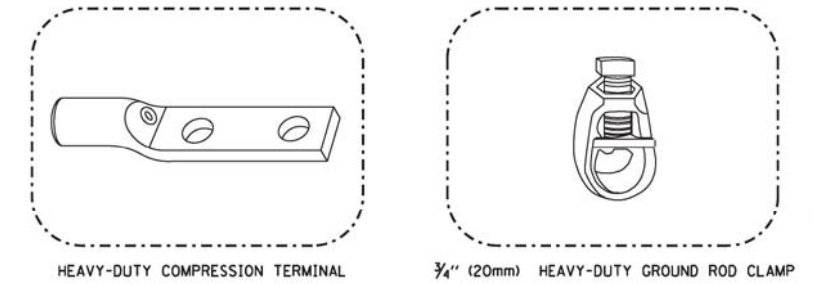
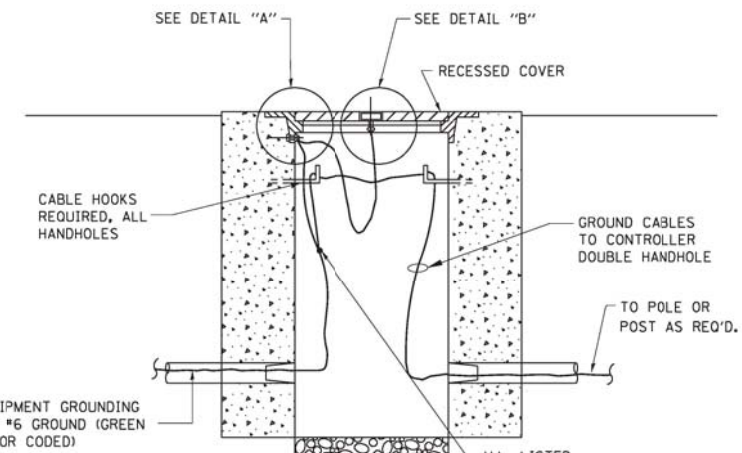


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**



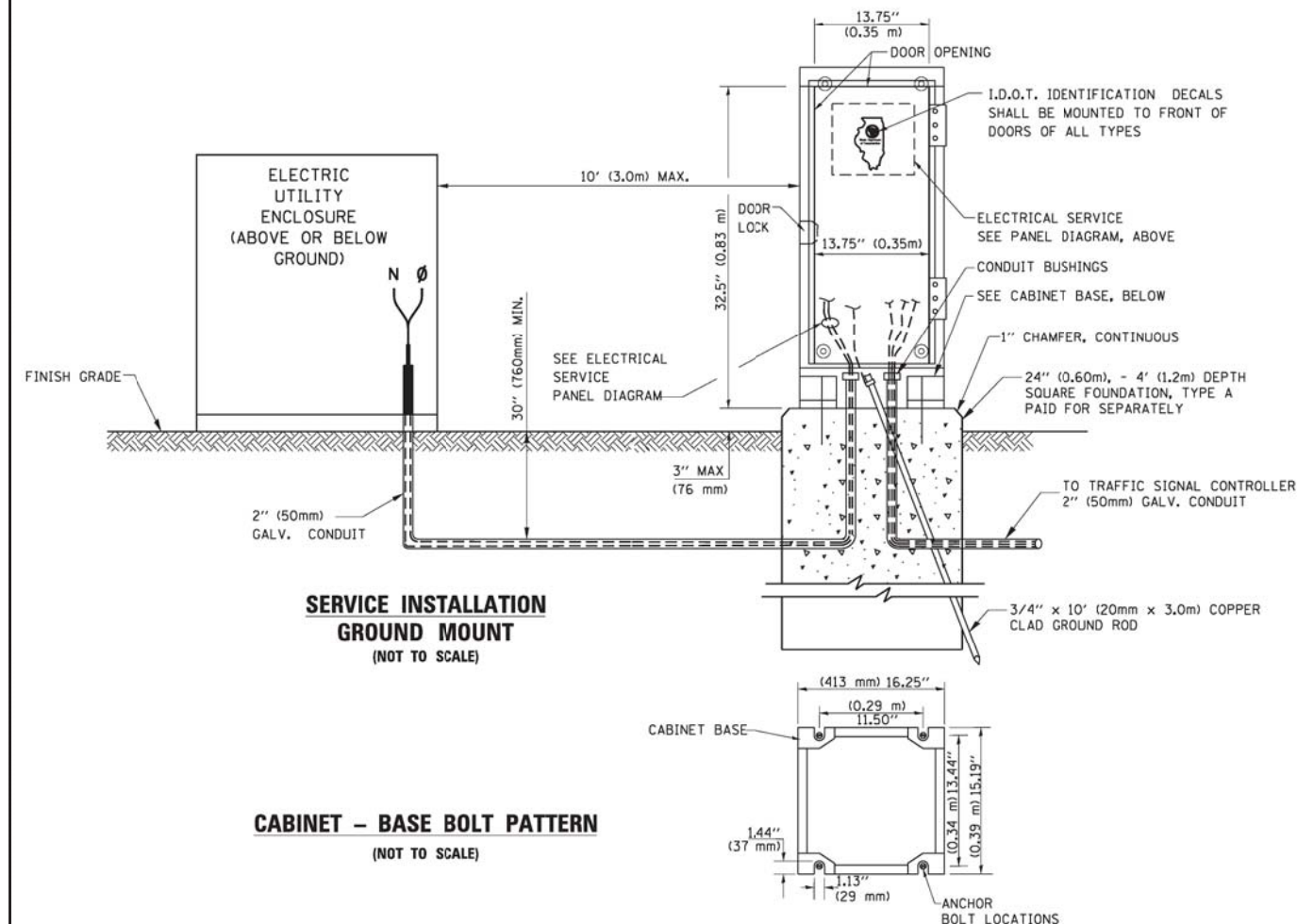
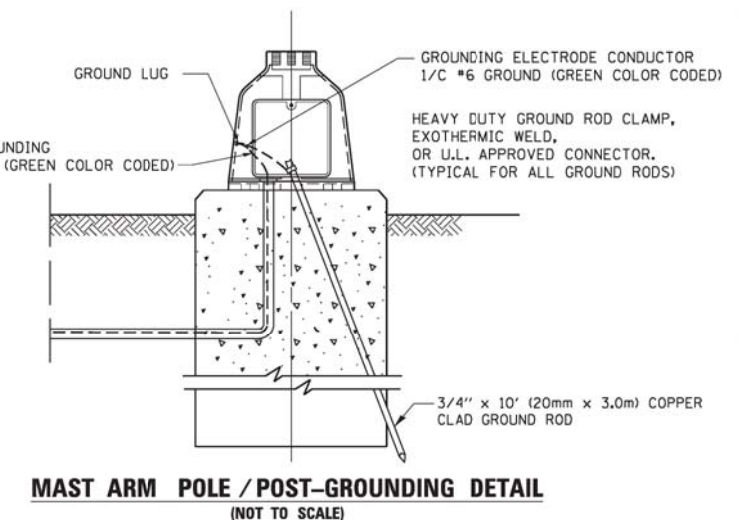
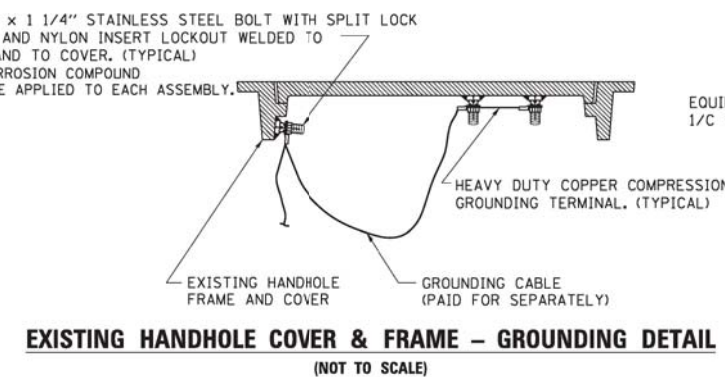
**NOTES:**  
**GROUNDING SYSTEM**

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

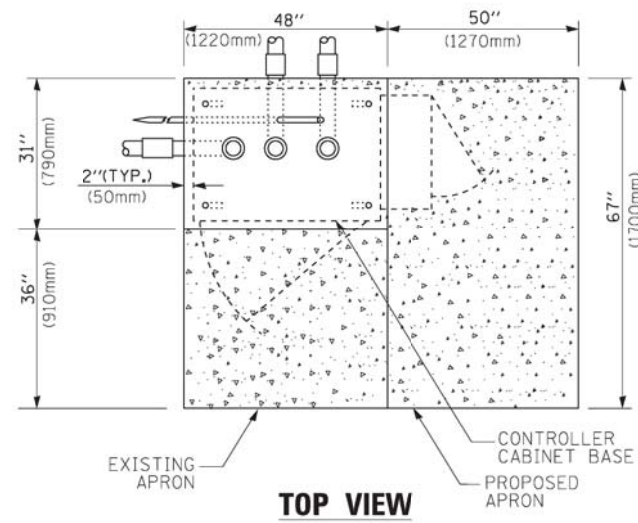


Plot#ed: 10/9/2017 7:55:33 AM By: Jschmidt

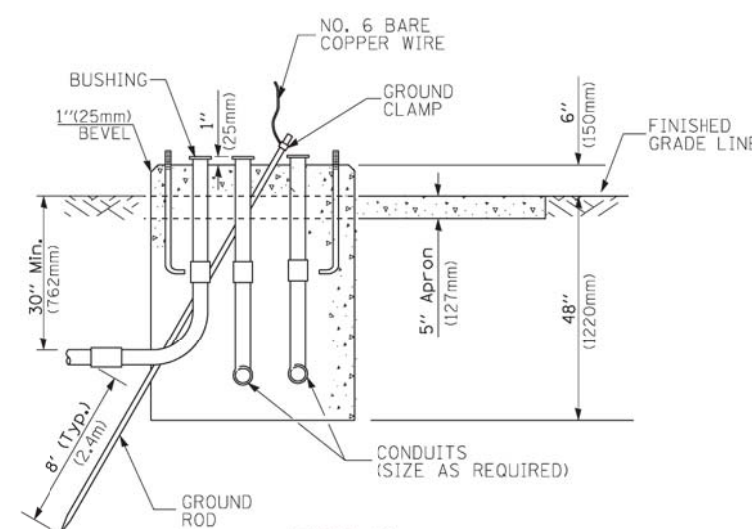
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	97
CONTRACT NO. 61E15				
ILLINOIS FED. AID PROJECT				

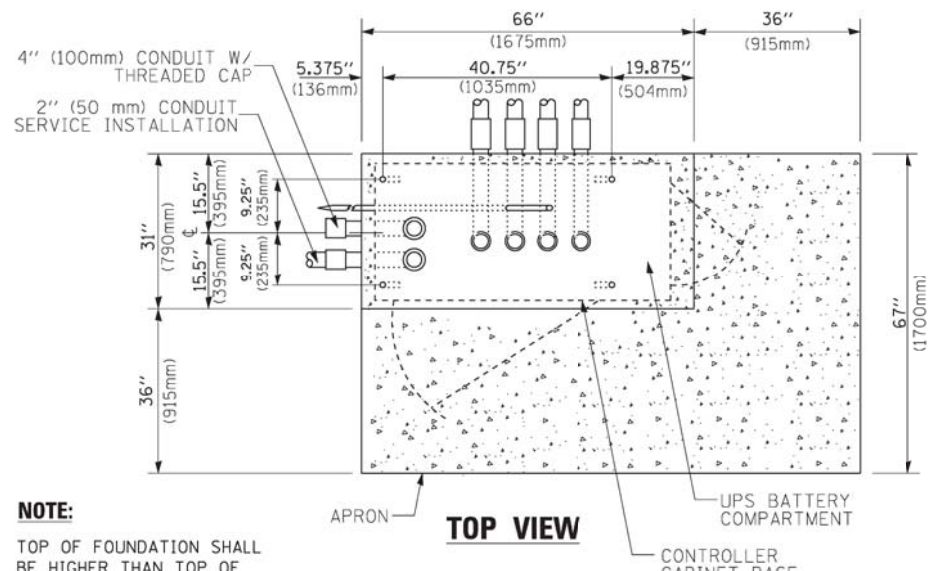
Path: H:\SBSK\Proj\EG1004\Drawn\Final Eng\EG1004-Cvr.dgn



**TOP VIEW**

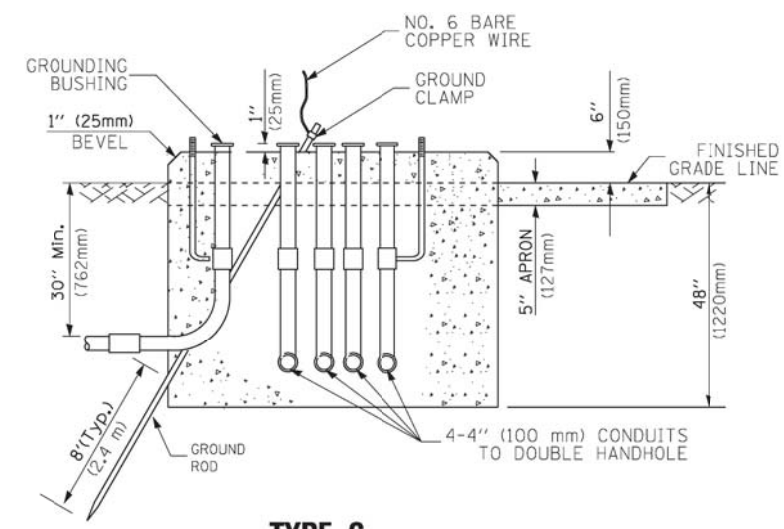


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

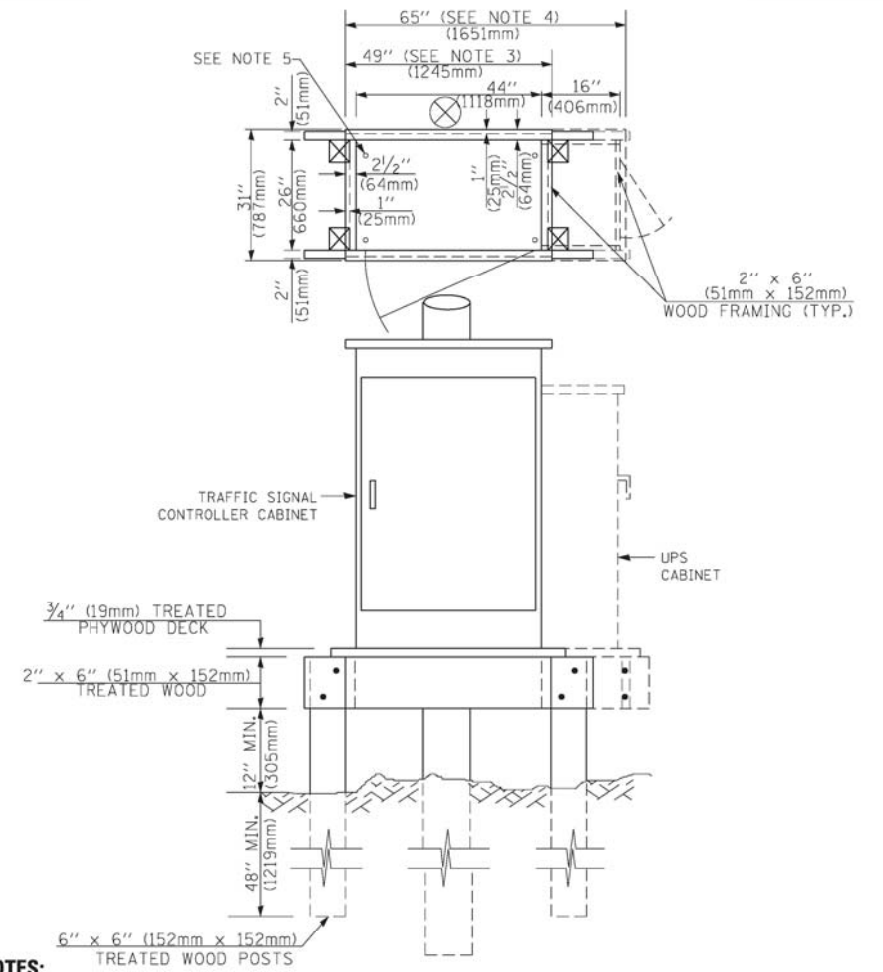


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

MAST ARM LENGTH	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

**Engineering Enterprises, Inc.**  
CONSULTING ENGINEERS  
52 Wheeler Road  
Sugar Grove, Illinois 60554  
630.466.6700 / www.eeiweb.com

**CITY OF ELGIN**  
150 DEXTER CT.  
ELGIN, IL 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

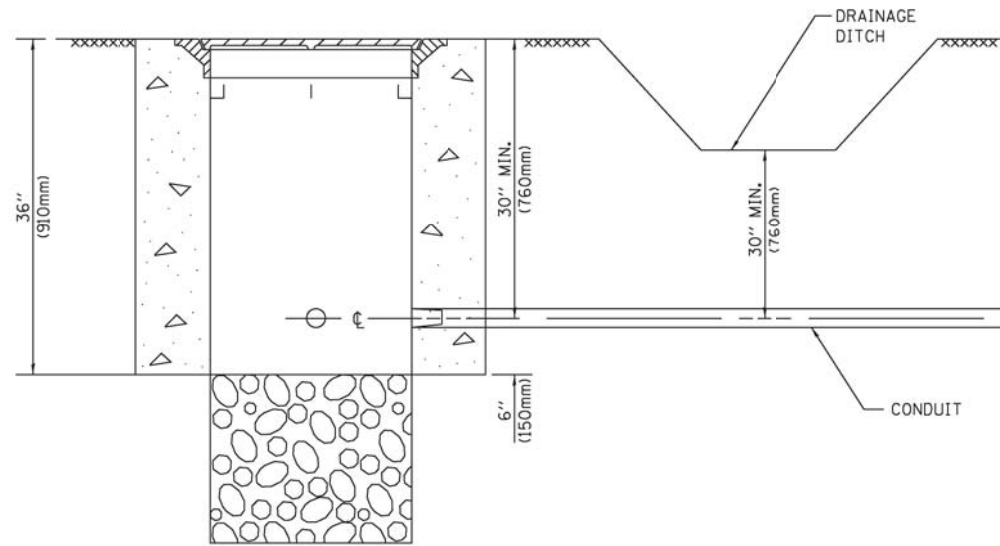
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO STREET  
SPECIAL DETAILS**

SCALE: N.T.S. SHEET NO. 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	98

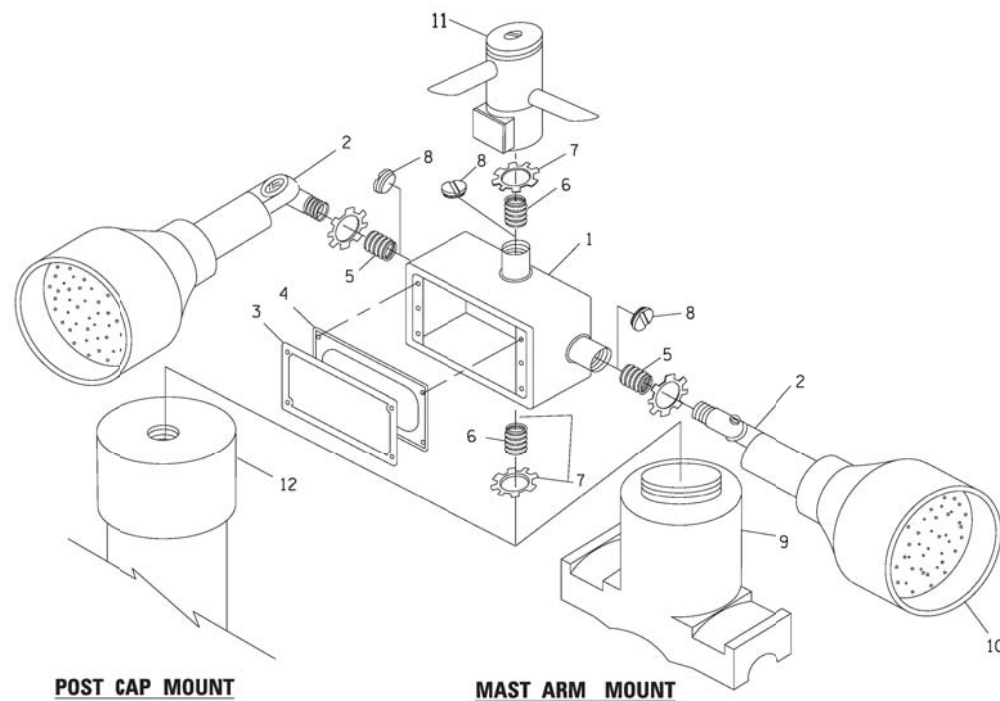
CONTRACT NO. 61E15  
ILLINOIS FED. AID PROJECT



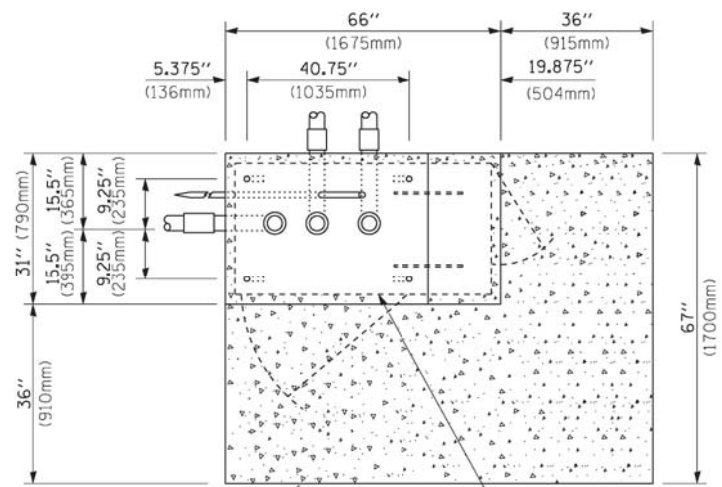
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

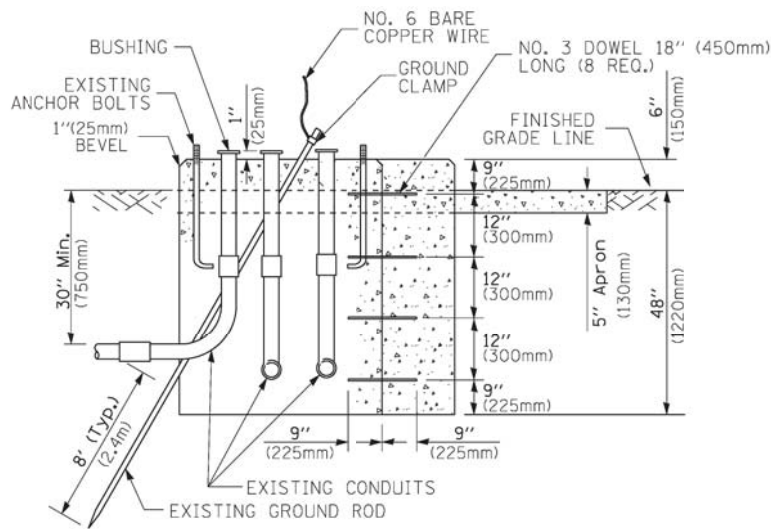
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

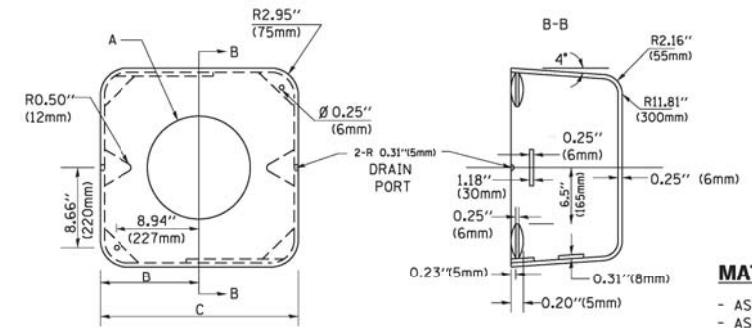


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

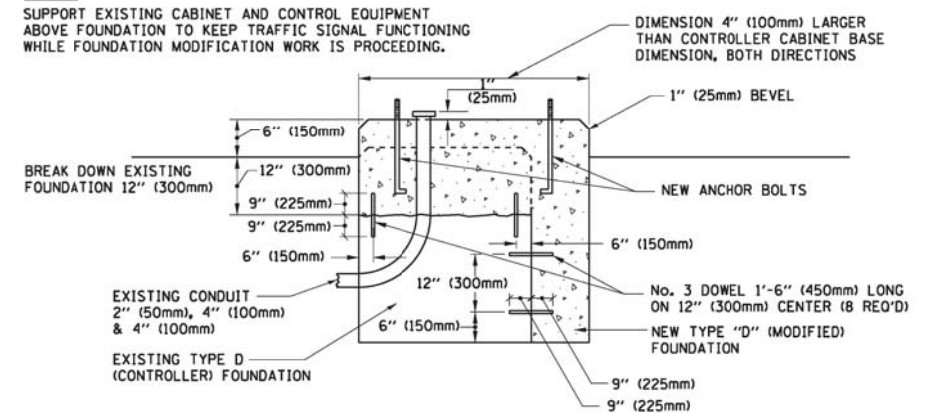
**SHROUD**

**NOTES:**

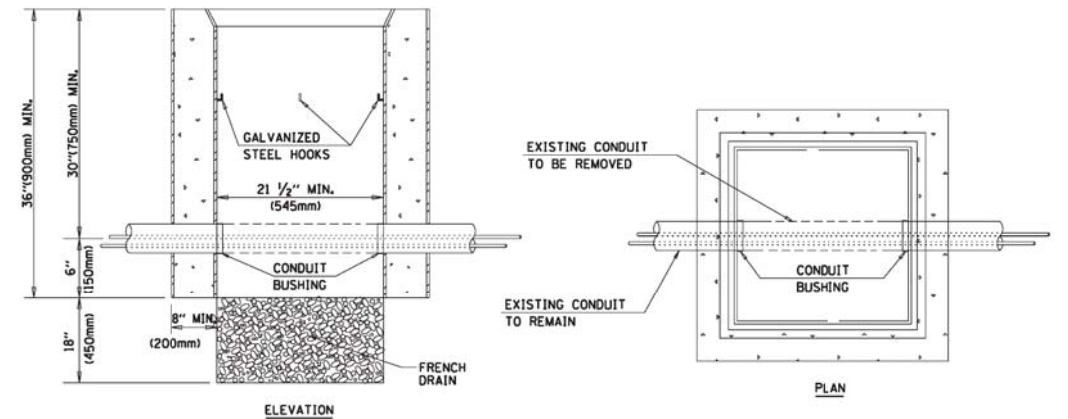
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 8:4001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

Plot#ed: 10/9/2017 7:55:56 AM By: Jschmidt

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	12-00183-00-PV	KANE	128	99
CONTRACT NO. 61E15			ILLINOIS FED. AID PROJECT	

Path: H:\SBSK\Proj\EG10A\Vign\Dgn\_Final\_Eng\EG104-Cvr.dgn