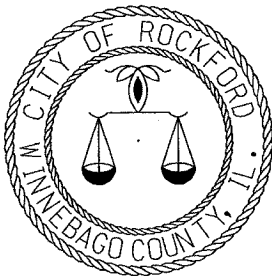


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

F.A. ROUTE 525 (HARRISON AVENUE)
SECTION 06-00520-01-LT
PROJECT M-5099(68)
CITY OF ROCKFORD
JOB NO. C-92-036-07



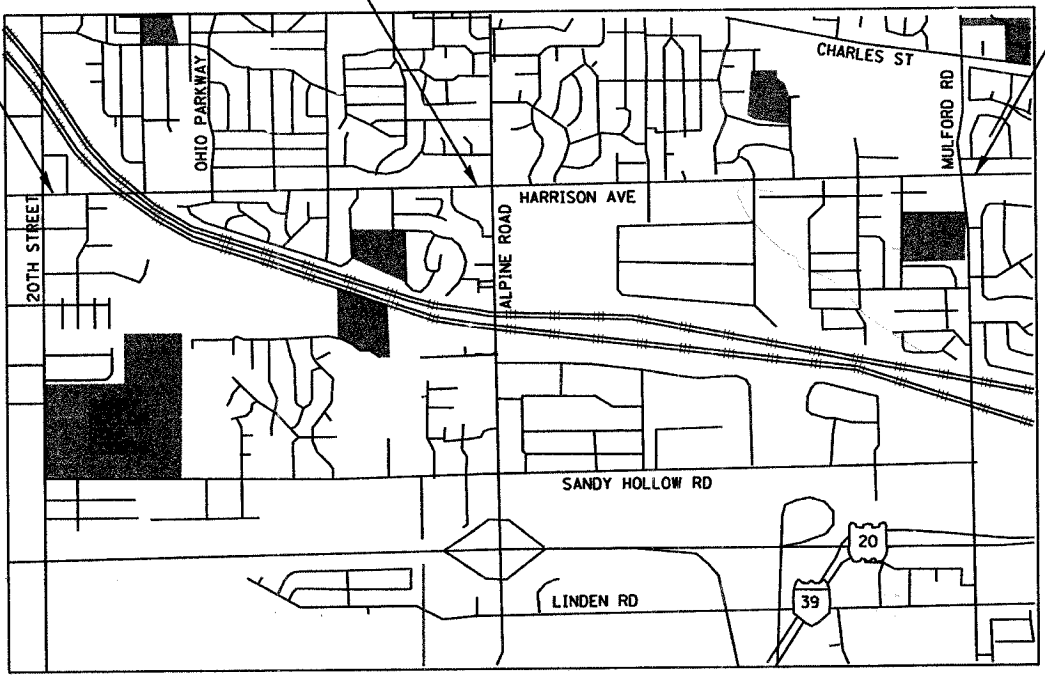
UTILITY NOTE
 THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITY MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

INDEX OF SHEETS	
SHT NO	TITLE
1	COVER SHEET
2 - 4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6 - 23	LIGHTING PLANS
24 - 32	LANDSCAPING PLANS
33 - 39	POLE DETAILS
40 - 41	WIRING DIAGRAMS

EQUATION STA. 157+00.00BK.=
 STA. 199+45.68AHD.

PROJECT BEGINS
 STA. 81+58

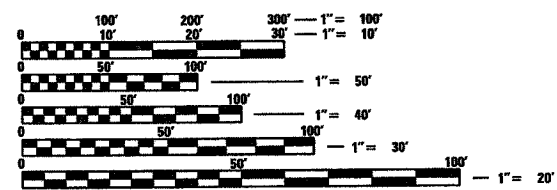
PROJECT ENDS
 STA. 286+50



PROJECT LENGTH = 16,630.31 FEET / 3.150 MILES

HIGHWAY STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701101-01 OFF-RD OPERATIONS, MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
- 701106-01 OFF-RD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
- 701601-04 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 702001-06 TRAFFIC CONTROL DEVICES
- 805001 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-01 CONCRETE HANDHOLES
- 878001-05 CONCRETE FOUNDATIONS DETAILS



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.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123

"MISSMAN, STANLEY & ASSOCIATES (MISSMAN) HAS ADOPTED SAFETY PROCEDURES FOR ITS EMPLOYEES WHO PROVIDE PROFESSIONAL ENGINEERING AND SURVEYING SERVICES. A COPY OF THESE PROCEDURES IS AVAILABLE FROM THE SAFETY OFFICER. MISSMAN PERSONNEL ARE NOT TRAINED IN CONTRACTOR (CONSTRUCTION) SAFETY AND COMPLIANCE PROCEDURES. THE METHODS & MEANS TO COMPLY WITH CONSTRUCTION SITE SAFETY ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR."

LOCATION MAP

ADT : 30200
 RTE CLASS : PRINCIPAL ARTERIAL
 DESIGN SPEED : 50 MPH

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED May 18 20 07
Burt M. Kelly
 CITY ENGINEER, CITY OF ROCKFORD

PASSED May 25 20 07
John J. [Signature]
 DISTRICT ENGINEER LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW May 25 20 07
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

Frank J. Hodina
 FRANK J. HODINA
 REG. NO. 062-041838 DATE May 18, 2007
 RENEWAL DATE 11/30/2007

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525 06-00520-01-LT	WINNEBAGO	41	2
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEMS	UNIT	TOTAL QUANTITY	Y030 LIGHTING	Y003 LANDSCAPING
*21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	S. Y.	2,077		2,077
*25200100	SODDING	S. Y.	40,324		40,324
*25200200	SUPPLEMENTAL WATERING	UNITS	850.0		850.0
*60107700	PIPE UNDERDRAINS, 6"	FT.	2,158		2,158
67100100	MOBILIZATION	L. S.	1	1	
70103700	TRAFFIC CONTROL COMPLETE	L. S.	1	1	
80400100	ELECTRICAL SERVICE INSTALLATION	EA.	5	5	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FT.	40	40	
81021330	CONDUIT PUSHED, 2" DIA., PVC	FT.	3,227	3,227	
81021350	CONDUIT PUSHED, 3" DIA., PVC	FT.	389	389	
81400730	HANDHOLE, COMPOSITE CONCRETE	EA.	3	3	
81603000	UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND (XLP-TYPE USE) 3/4" DIA. POLYETHYLENE	FT.	11,425	11,425	
81603010	UNIT DUCT, 600V, 2-1/C NO. 10, 1/C NO. 10 GROUND (XLP-TYPE USE) 3/4" DIA. POLYETHYLENE	FT.	16,021	16,021	
81603025	UNIT DUCT, 600V, 2 1/C NO. 4, 1/C NO. 4 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE	FT.	2,650	2,650	
81603035	UNIT DUCT, 600V, 2-1/C NO. 6, 1/C NO. 6 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE	FT.	2,537	2,537	
81603065	UNIT DUCT, 600V, 2-1/C NO. 2, 1/C NO. 2 GROUND (XLP-TYPE USE) 1 1/4" DIA. POLYETHYLENE	FT.	502	502	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT.	40	40	
82500540	LIGHTING CONTROLLER TYPE CB-RCS 100 AMP-480 VOLT	EA.	5	5	
83600357	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 8'	EA.	138	138	
87900200	DRILL EXISTING HANDHOLE	EA.	2	2	

*SPECIALTY ITEMS

SUMMARY OF QUANTITIES

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CODE NUMBER	PAY ITEMS	UNIT	TOTAL QUANTITY	YO30	YO03
				LIGHTING	LANDSCAPING
*A200320	TREE, ACER MIYABEI MORTON (STATE STREET MIYABEI MAPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA.	20		20
*A2003120	TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA.	28		28
*A2004520	TREE GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA.	22		22
*A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA.	21		21
*A2008120	TREE, TILIA CORDATA GREENSPIRE, (GREENSPIRE LITTLE LEAF LINDEN), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA.	22		22
*A2008820	TREE, ULMUS CARPINIFOLIA "HOMESTEAD" (HOMESTEAD ELM), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA.	25		25
*K0030404	PERENNIAL, RUDBECKIA FULGIDA "GOLDSTURM", (GOLDSTURM BLACK-EYED SUSAN), 1 GALLON	EA.	324		324
*K0030428	PERENNIAL PLANTS, SPOROBOLUS HETEROLEPIS, (PRAIRIE DROPSEED), 1-GALLON	EA.	300		300
*XX006105	HEMEROCALLIS HAPPY RETURNS (HAPPY RETURNS DAYLILY) 1-GALLON	EA.	90		90
*XX006610	GRASSES, SCHIZACHYRUM SCOPARIUM (LITTLE BLUESTEM), 1 GALLON	EA.	300		300
*XX024100	EXPOSED AGGREGATE SURFACE	S. F.	6,930		6,930
XX007002	LIGHTING UNIT, ALUMINUM, COMPLETE, 40' AND 16' M.H., DUAL LUMINAIRE ARMS (SPECIAL)	EA.	36	36	
XX007003	LIGHTING UNIT, ALUMINUM, COMPLETE, 40' M.H., SINGLE LUMINAIRE ARM (SPECIAL)	EA.	102	102	
*XX007004	TREE, GYMNOCLADUS DIOICA (PRAIRIE TITAN COFFEETREE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA.	23		23
*XX007005	TREE, MALUS CARDINALS ROBE (FATHER FIALA CARDINALS ROBE CRABAPPLE), 2" CALIPER, BALLED AND BURLAPPED	EA.	17		17
*XX007006	TREE, MALUS JEWEL COLE (RED JEWEL CRABAPPLE), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EA.	15		15

*SPECIALTY ITEMS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00520-01-LT	WINNEBAGO	41	4
STA. TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEMS	UNIT	TOTAL QUANTITY	Y030	Y003
				LIGHTING	LANDSCAPING
•XX007007	TREE, MALUS, SENTINEL (SENTINEL CRABAPPLE), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EA.	14		14
•XX007008	TREE, PYRUS CALLERYANA "CHANTICLEER", (CHANTICLEER FLOWERING PEAR), 2" CALIPER, BALLED AND BURLAPPED	EA.	41		41
•XX007009	SHRUB, ROSA X "KNOCK OUT" (DOUBLE KNOCKOUT HYBRID ROSE), 18" WIDTH, BALLED AND BURLAPPED	EA.	72		72
•XX007010	SHRUB, SPIRAEA X BUMALDA "GOLDFLAME" (GOLDFLAME SPIREA), 18" WIDTH, BALLED AND BURLAPPED	EA.	58		58
•XX007011	PERENNIAL PLANTS, ACHILLEA MILLEFOLIUM "SUMMERWINE" (SUMMERWINE YARROW), 1-GALLON	EA.	216		216
•XX004486	PERENNIAL PLANTS, ASCLEPIAS TUBEROSA (BUTTERFLY WEED), 1-GALLON	EA.	192		192
•XX007012	PERENNIAL PLANTS, CALAMAGROSTIS ACUTIFOLIA "KARL FORSTER" (FEATHER REED GRASS), 1-GALLON	EA.	354		354
•XX007013	PERENNIAL PLANTS, CHASMANTHIUM LATIFOLIUM, (NORTHERN SEA OATS), 1-GALLON	EA.	300		300
•XX007014	PERENNIAL PLANTS, ECHINACEA X SUNSET (PURPLE CONEFLOWER), 1-GALLON	EA.	216		216
•XX007015	PERENNIAL PLANTS, PENNISETUM ALOPECUROIDES (FOUNTAIN GRASS), 1-GALLON	EA.	300		300
•XX007016	PERENNIAL PLANTS, SALVIA X SUPERBA "MAY NIGHT", (MAY NIGHT SALVIA), 1-GALLON	EA.	75		75

•SPECIALTY ITEMS

SCHEDULE OF QUANTITIES

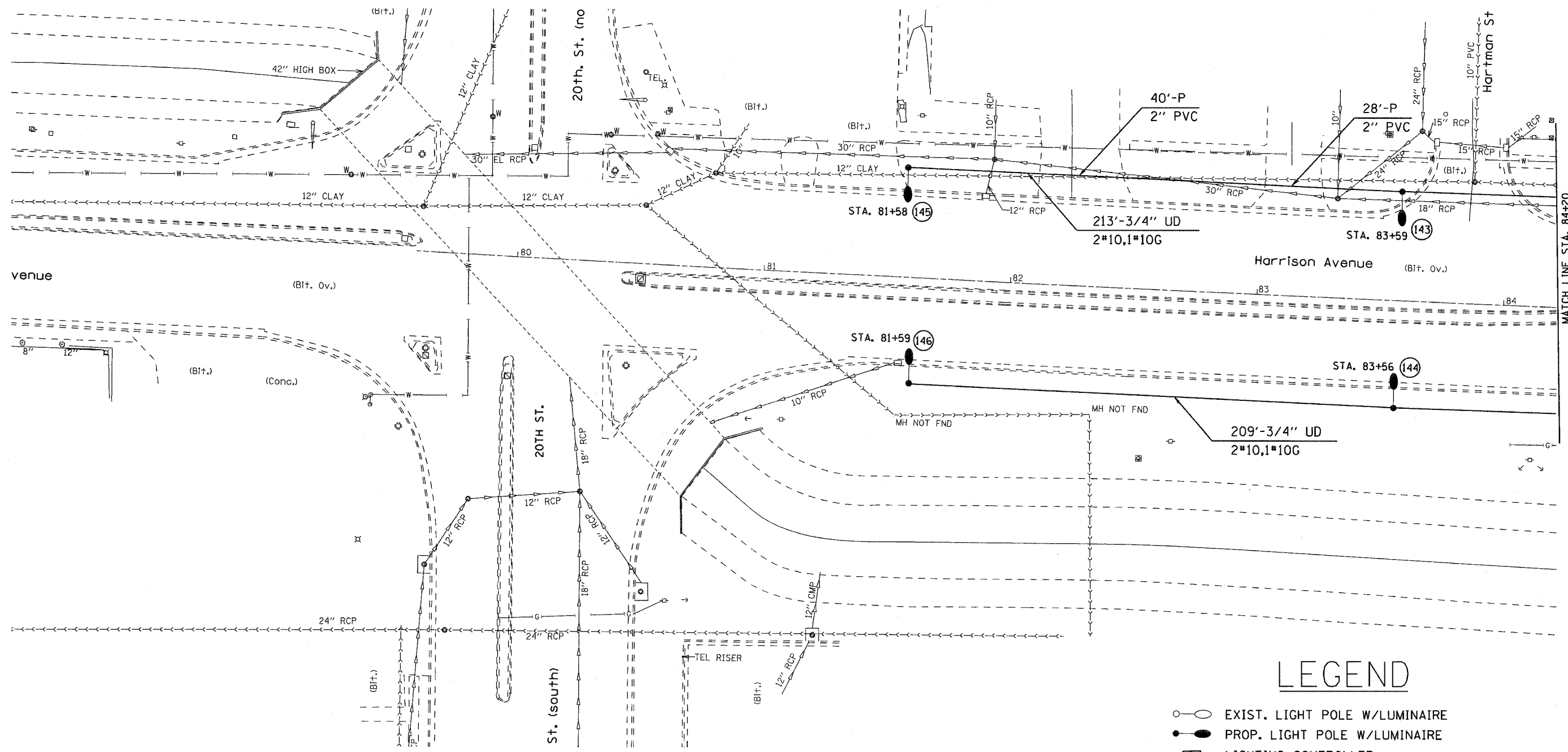
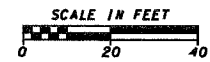
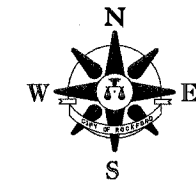
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525 06-00520-01-LT	WINNEBAGO	41	5
STA. TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	S. Y.	
	MEDIAN STA. 210+02-215+70	582	
	MEDIAN STA. 219+49-223+11	301	
	MEDIAN STA. 229+96-234+90	427	
	MEDIAN STA. 248+11-252+68	402	
	MEDIAN STA. 271+66-275+73	365	
	TOTAL	2,077	
25200100	SODDING	S. Y.	
	RT. STA. 201+17-206+32	506	
	LT. STA. 201+17-201+95	36	
	LT. STA. 202+14-203+65	90	
	LT. STA. 204+16-206+54	176	
	RT. STA. 206+85-215+94	1,993	
	LT. STA. 206+84-210+68	287	
	LT. STA. 211+00-221+31	131	
	RT. STA. 216+74-226+00	3,036	
	LT. STA. 221+61-224+83	267	
	LT. STA. 225+20-226+38	178	
	LT. STA. 226+70-228+10	182	
	RT. STA. 227+15-235+56	1,617	
	LT. STA. 228+33-228+66	62	
	LT. STA. 228+83-229+52	167	
	LT. STA. 229+82-230+55	55	
	LT. STA. 230+67-232+63	244	
	LT. STA. 232+95-237+87	1,070	
	RT. STA. 235+50-237+71	509	
	RT. STA. 237+91-238+05	23	
	RT. STA. 238+31-244+14	957	
	LT. STA. 238+15-244+37	2,311	
	LT. STA. 244+68-251+19	2,533	
	RT. STA. 244+98-251+10	1,488	
	LT. STA. 251+49-256+05	1,034	
	RT. STA. 251+35-255+87	835	
	LT. STA. 256+34-262+02	1,787	
	RT. STA. 256+47-261+84	567	
	RT. STA. 262+77-269+47	1,640	
	LT. STA. 262+69-269+46	1,650	
	RT. STA. 269+77-279+36	1,951	
	LT. STA. 269+77-279+05	2,133	
	LT. STA. 280+75-290+34	3,056	
	RT. STA. 280+95-287+02	1,645	
	RT. STA. 288+53-289+17	139	
	MULFORD		
	RT. STA. 9+00-15+19	1,386	
	LT. STA. 9+11-15+45	2,245	
	RT. STA. 16+72-20+91	278	
	LT. STA. 16+99-22+23	1,406	
	FOREST VIEW		
	LT. STA. 504+80-506+52	119	
	RT. STA. 504+80-506+47	145	
	EASTROCK		
	RT. STA. 601+49-602+52	112	
	RT. STA. 602+76-603+88	168	
	LT. STA. 602+72-603+80	110	
	TOTAL	40,324	

60100770	PIPE UNDERDRAINS, 6"	FT.	
	CENTERLINE 211+00-211+29 (MEDIAN)	29	
	CENTERLINE 211+30-215+65 (MEDIAN)	435	
	RT. STA. 219+53-220+00 (MEDIAN)	47	
	RT. STA. 220+00-221+50 (MEDIAN)	150	
	CENTERLINE 221+51-221+92 (MEDIAN)	41	
	LT. STA. 221+92-223+05 (MEDIAN)	113	
	RT. STA. 230+00-230+23 (MEDIAN)	23	
	CENTERLINE 230+23-232+00 (MEDIAN)	177	
	CENTERLINE 232+01-232+28 (MEDIAN)	27	
	CENTERLINE 232+29-234+87 (MEDIAN)	258	
	RT. STA. 248+15-248+59 (MEDIAN)	44	
	CENTERLINE 248+61-249+00 (MEDIAN)	39	
	CENTERLINE 249+00-250+58 (MEDIAN)	157	
	CENTERLINE 250+60-251+50 (MEDIAN)	90	
	LT. STA. 251+51-252+75 (MEDIAN)	124	
	RT. STA. 271+67-275+00 (MEDIAN)	333	
	LT. STA. 275+01-275+72 (MEDIAN)	71	
	TOTAL	2,158	
XX024100	EXPOSED AGGREGATE SURFACE	S. F.	
	LT. & RT. STA. 210+01-215+80	1,737	
	LT. & RT. STA. 219+47-223+12	1,095	
	LT. & RT. STA. 229+95-234+91	1,488	
	LT. & RT. STA. 248+09-252+69	1,380	
	LT. & RT. STA. 271+65-275+75	1,230	
	TOTAL	6,930	

E.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	6
STA. 50+00		TO STA. 84+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS

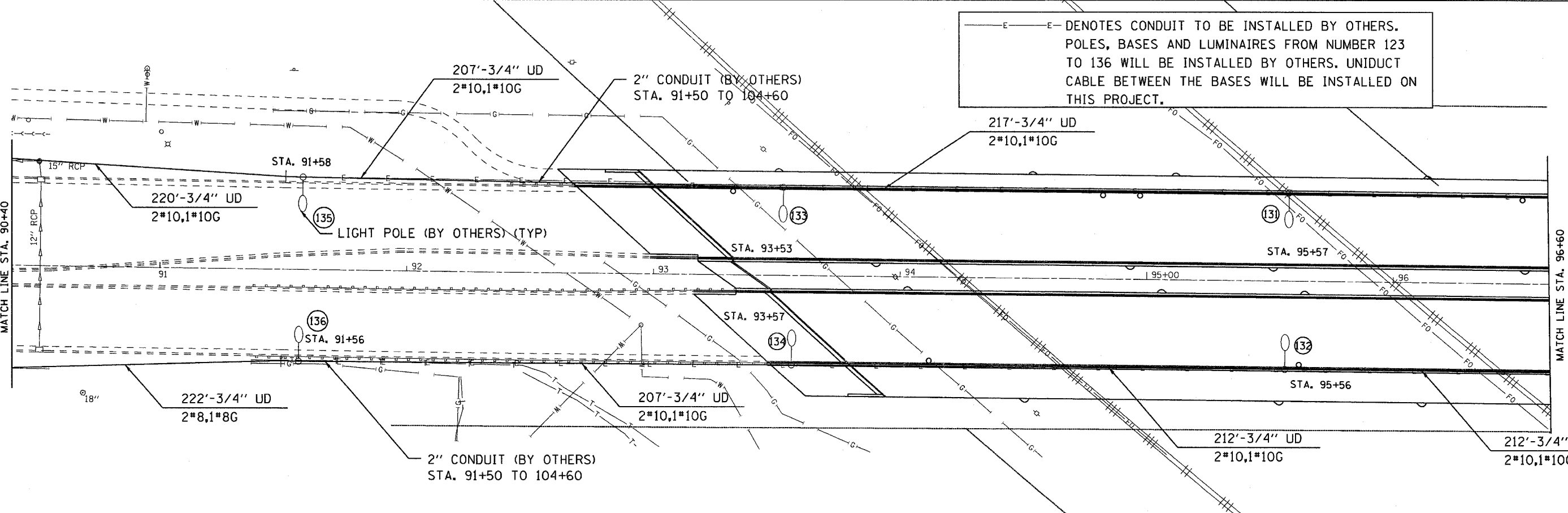
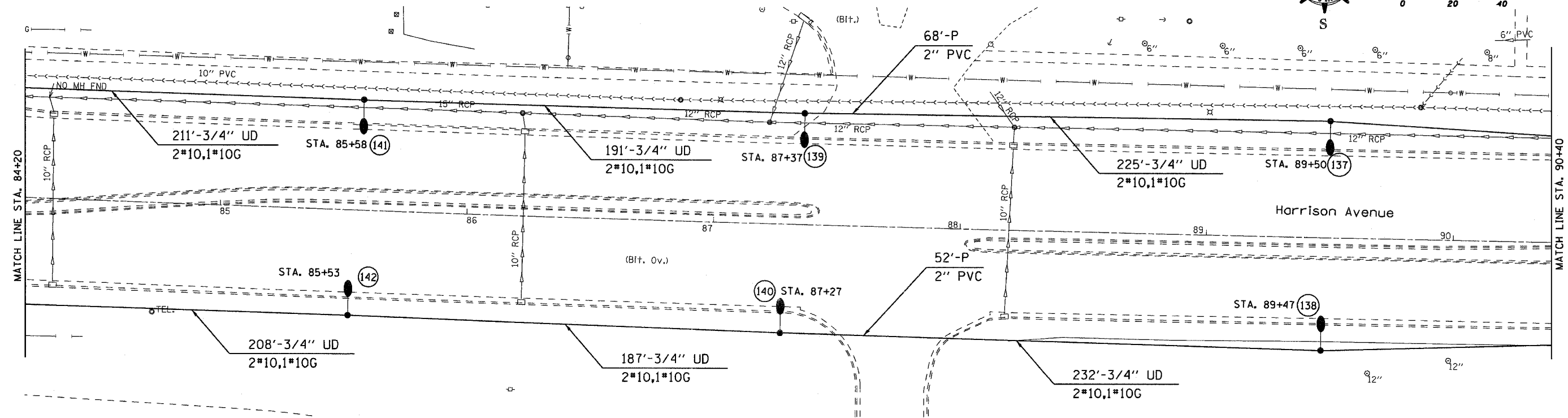
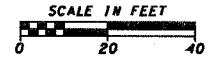


LEGEND

- EXIST. LIGHT POLE W/LUMINAIRE
- PROP. LIGHT POLE W/LUMINAIRE
- ◻ LIGHTING CONTROLLER
- ◻ HANDHOLE
- PROP. LIGHT POLE W/DUAL LUMINAIRE
- EXIST. CONDUIT BY OTHERS

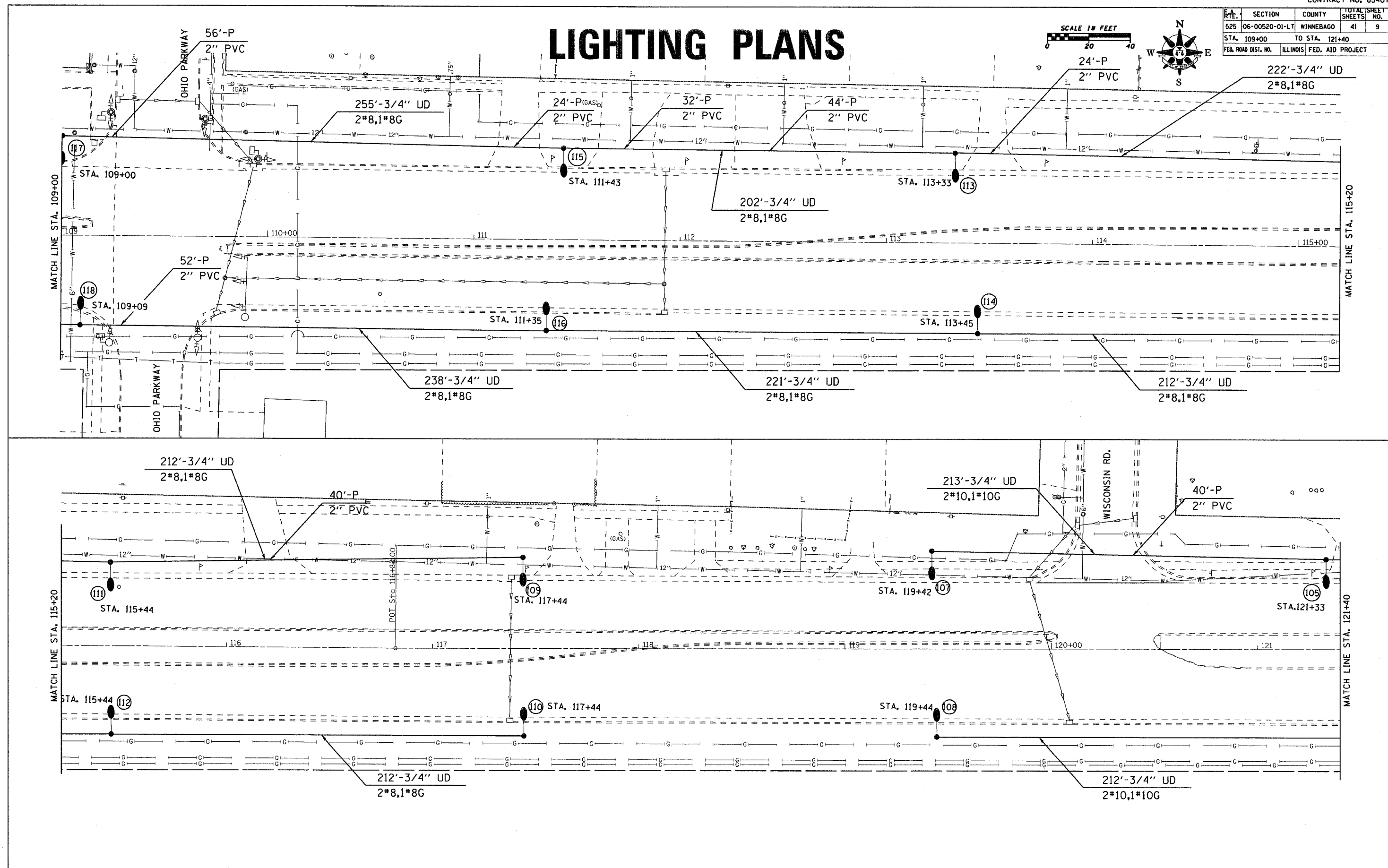
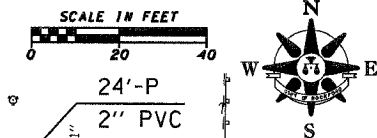
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	7
STA. 84+20		TO STA. 96+60		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LIGHTING PLANS



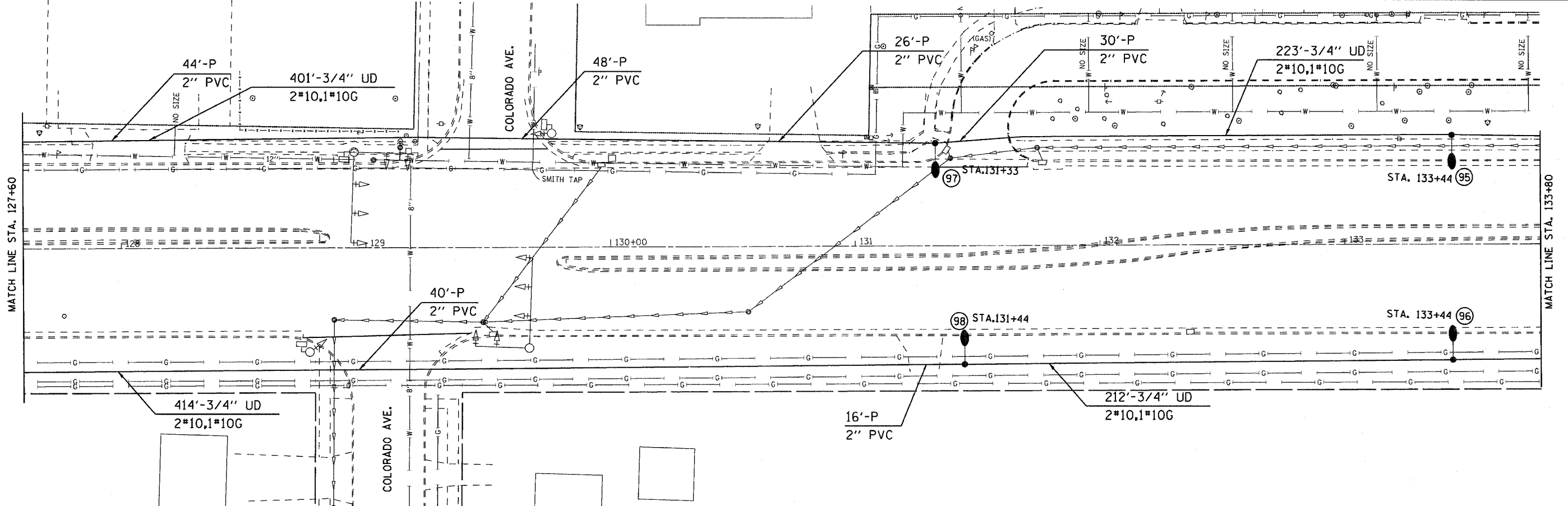
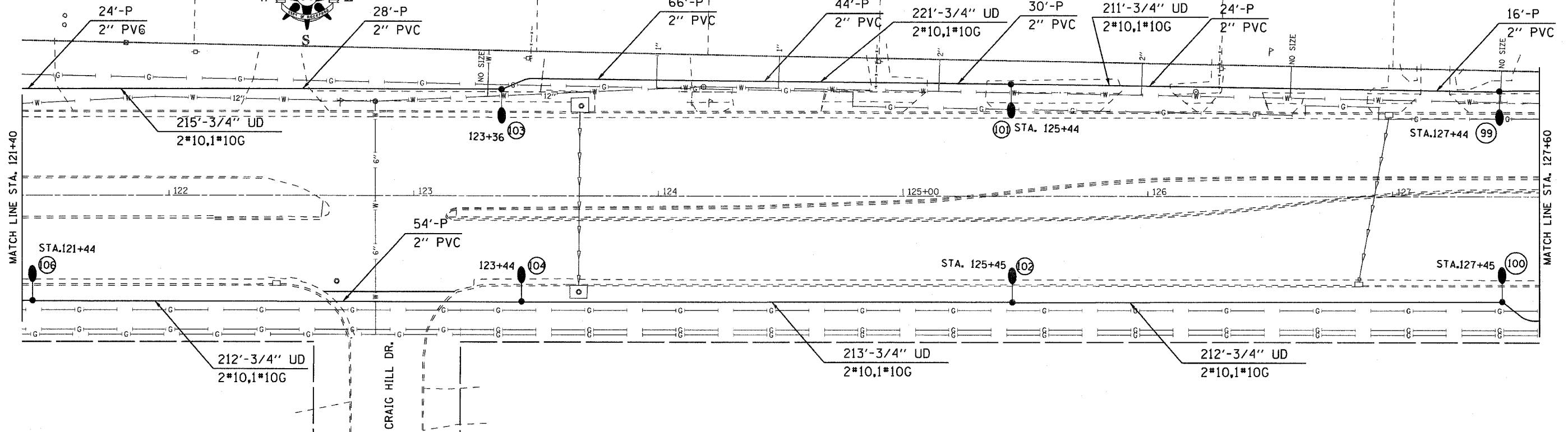
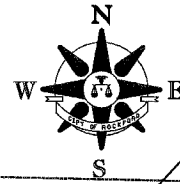
LIGHTING PLANS

E.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	9
STA. 109+00		TO STA. 121+40		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



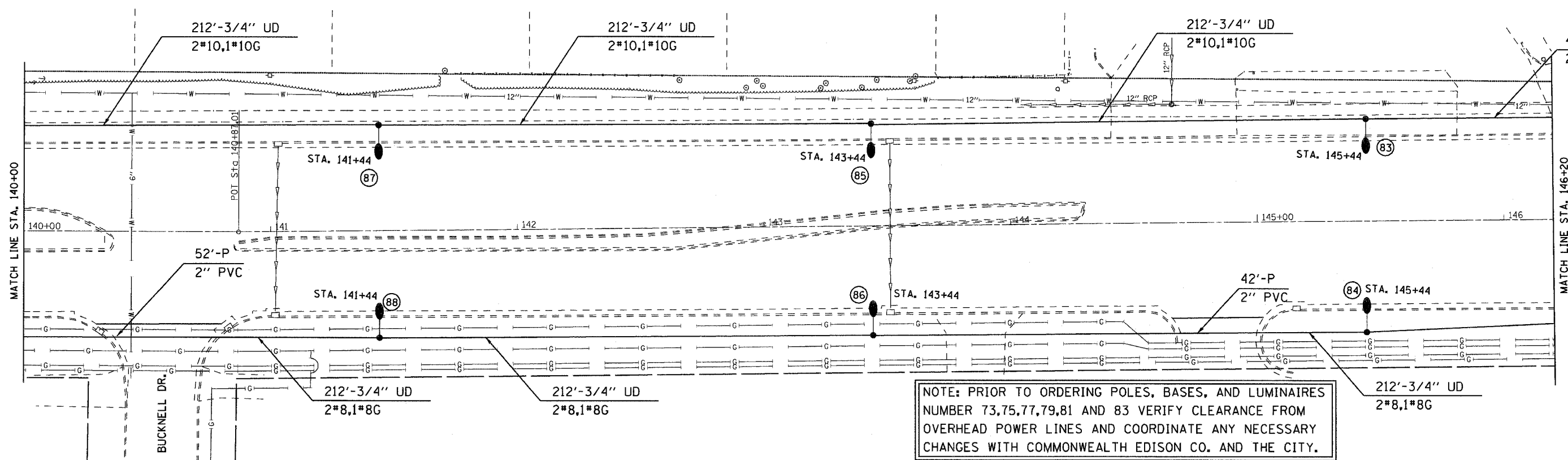
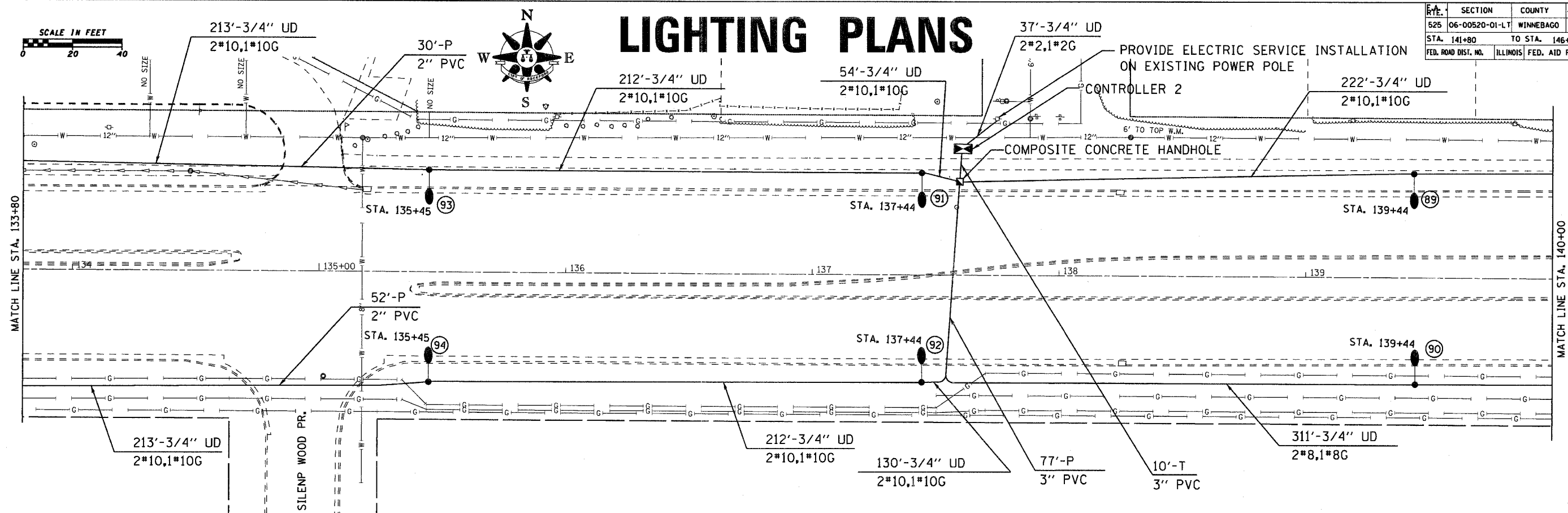
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	10
STA. 121+40		TO STA. 141+80		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LIGHTING PLANS



F.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	11
STA. 141+80		TO STA. 146+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

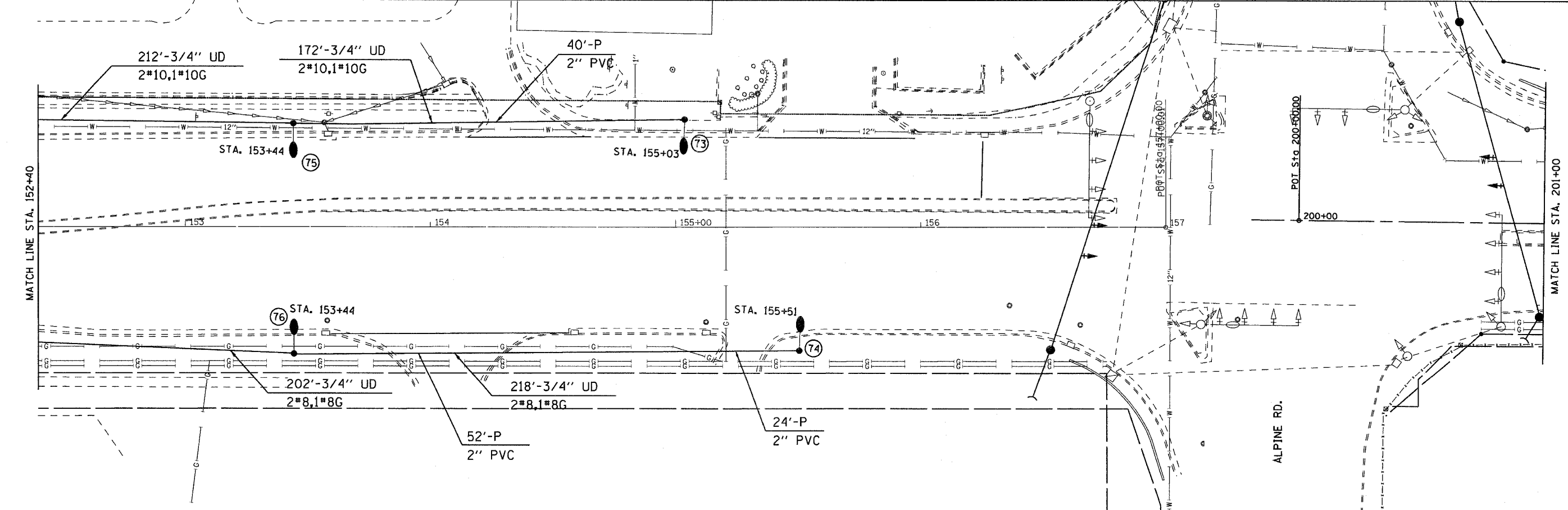
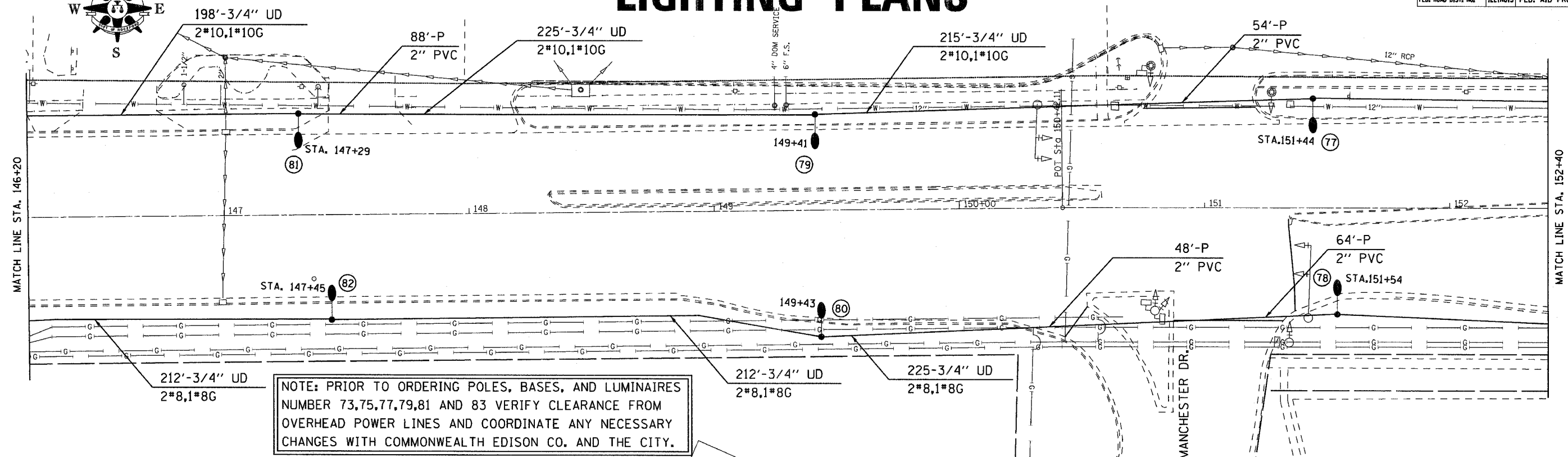
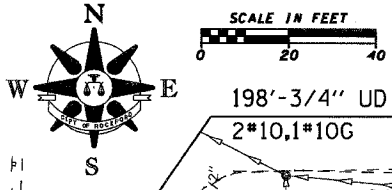
LIGHTING PLANS



NOTE: PRIOR TO ORDERING POLES, BASES, AND LUMINAIRES NUMBER 73,75,77,79,81 AND 83 VERIFY CLEARANCE FROM OVERHEAD POWER LINES AND COORDINATE ANY NECESSARY CHANGES WITH COMMONWEALTH EDISON CO. AND THE CITY.

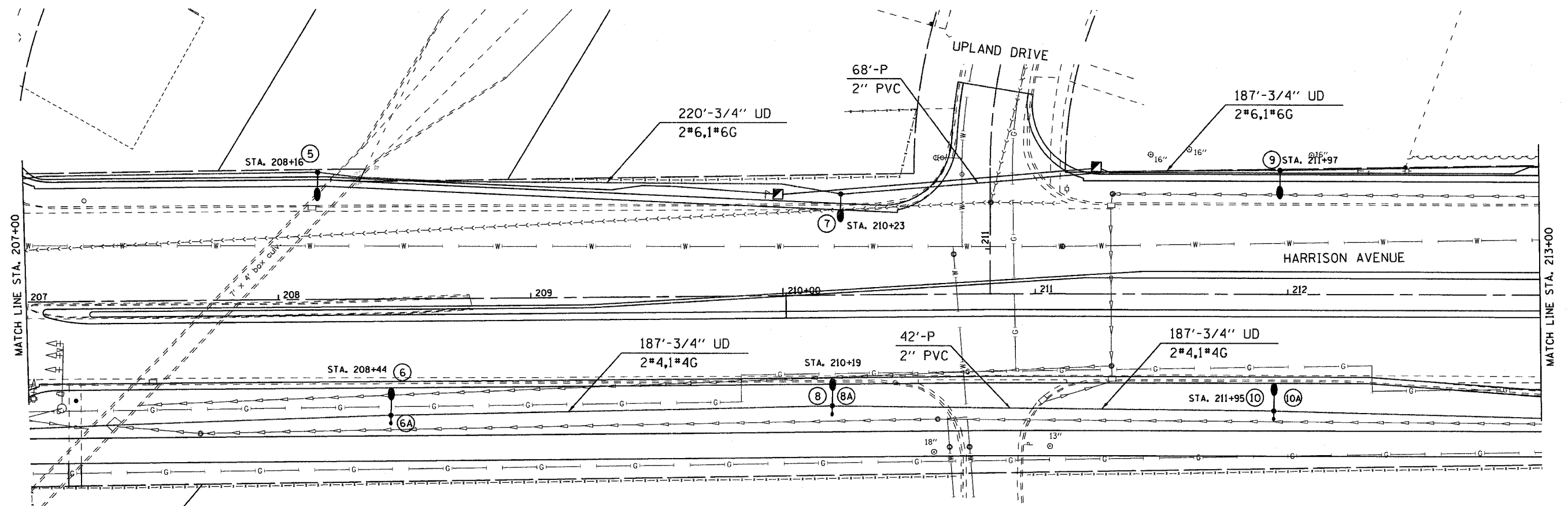
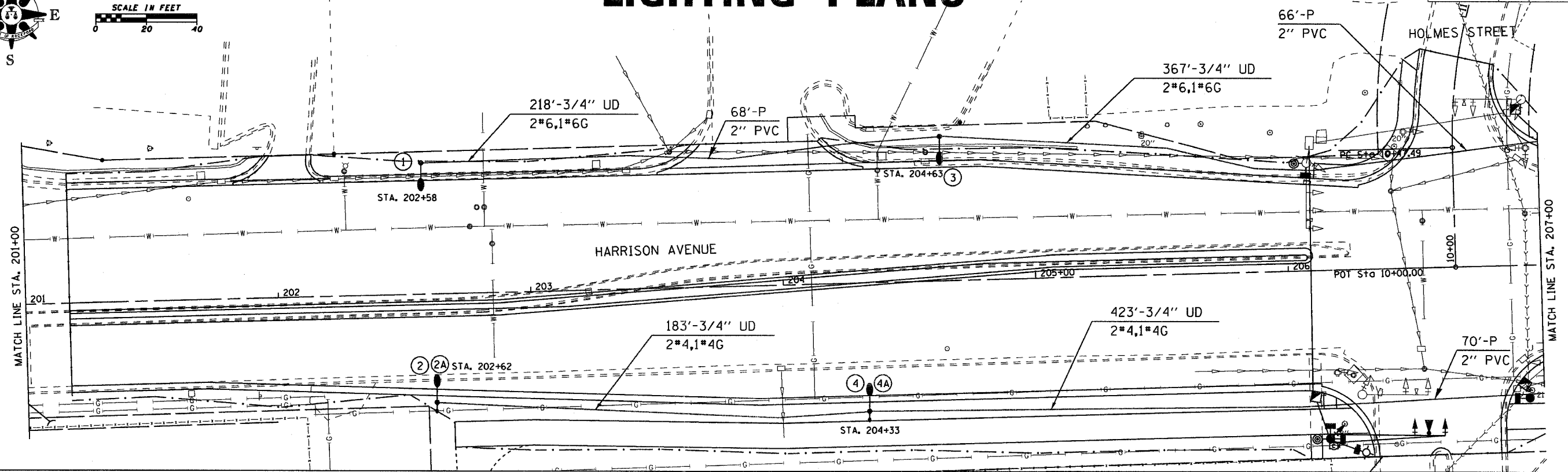
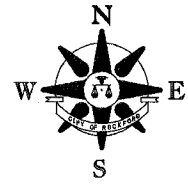
RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	12
STA. 146+20		TO STA. 201+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS



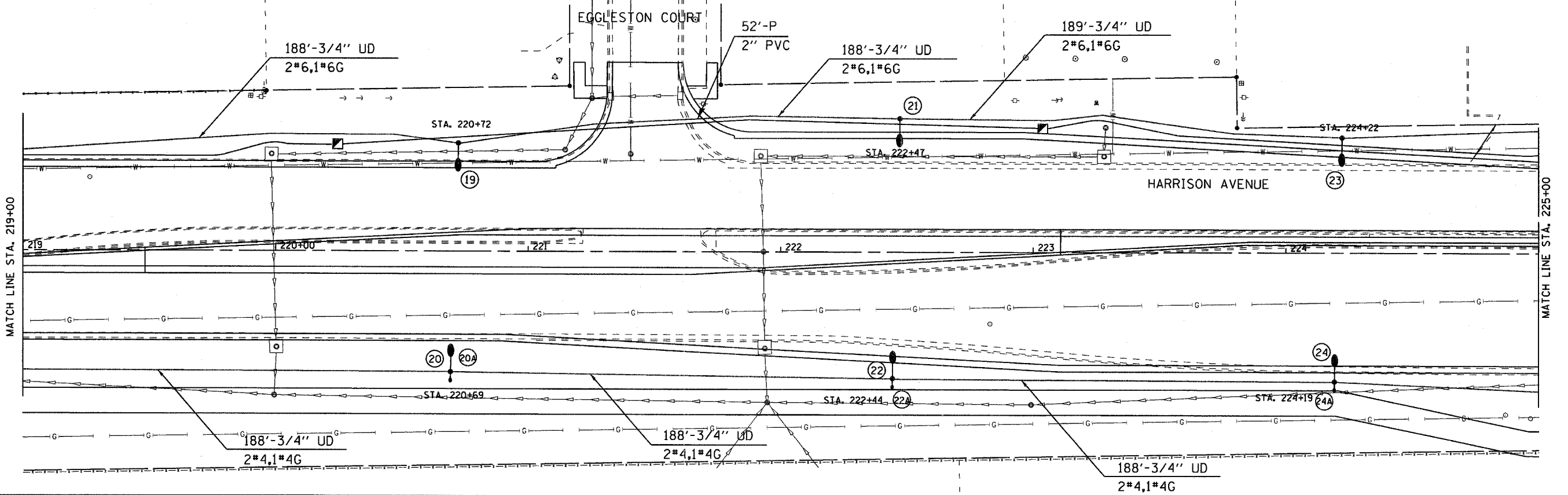
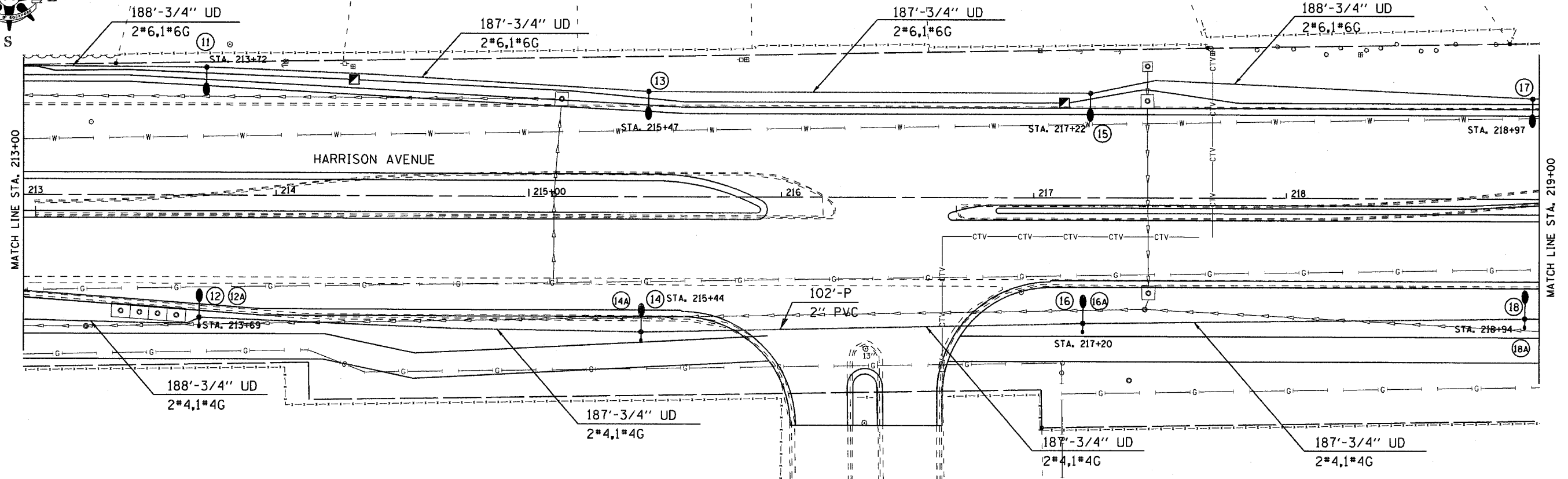
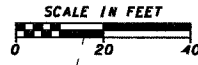
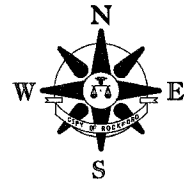
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	13
STA. 201+00		TO STA. 213+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS



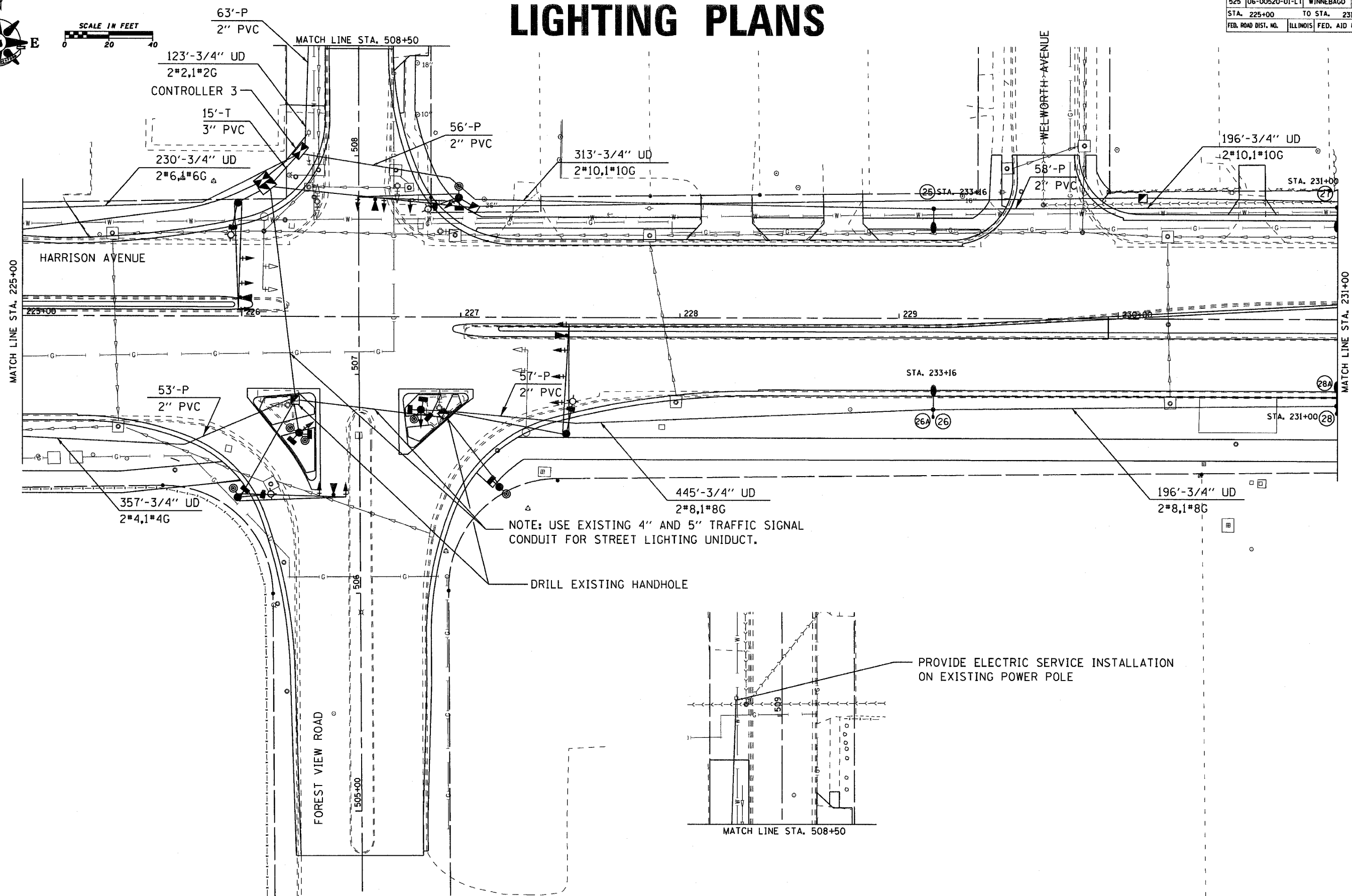
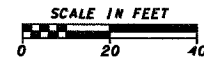
F.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	14
STA. 213+00		TO STA. 225+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS



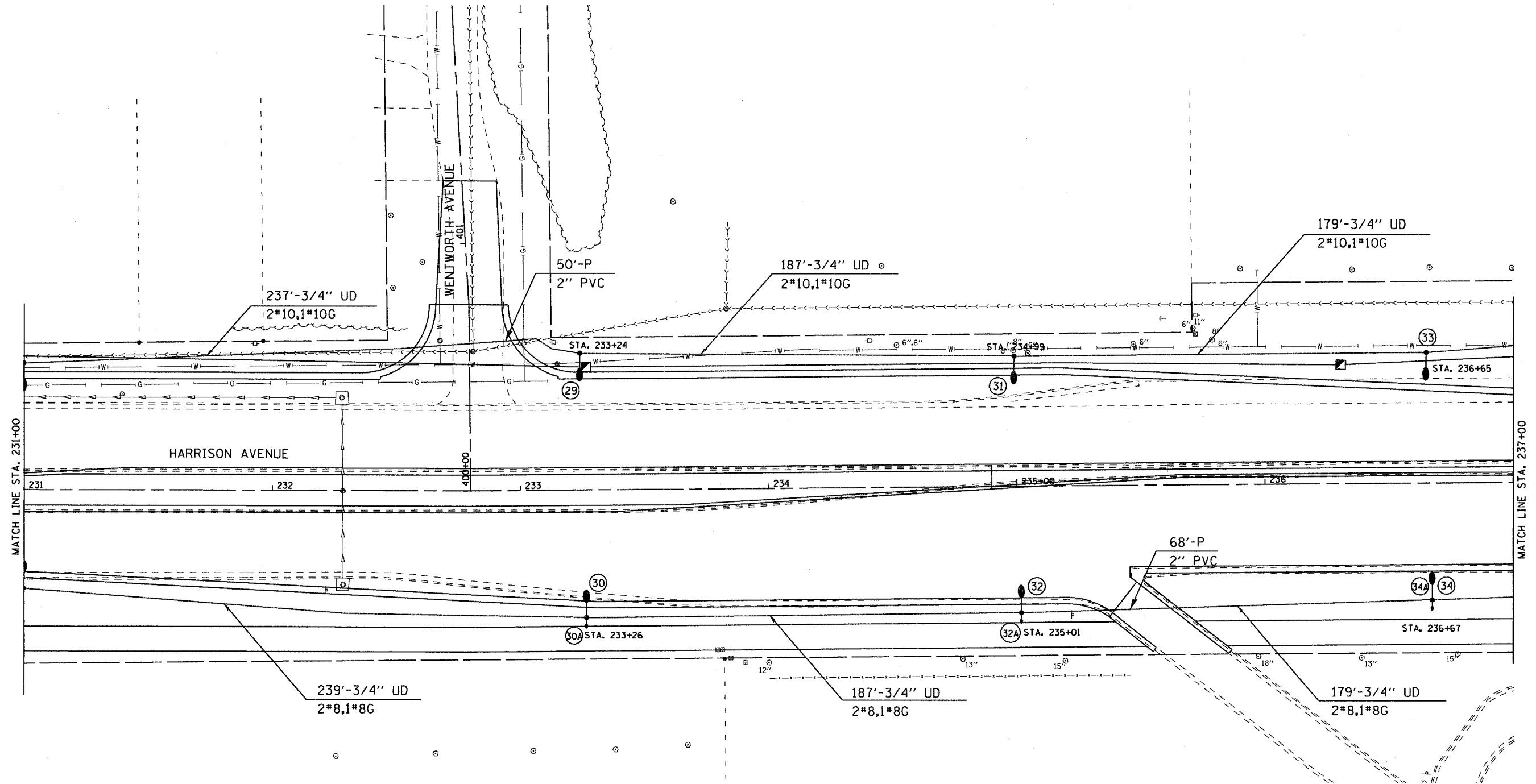
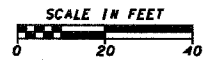
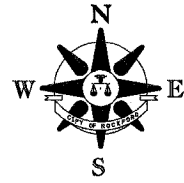
E.A. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	15
STA. 225+00		TO STA. 231+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS



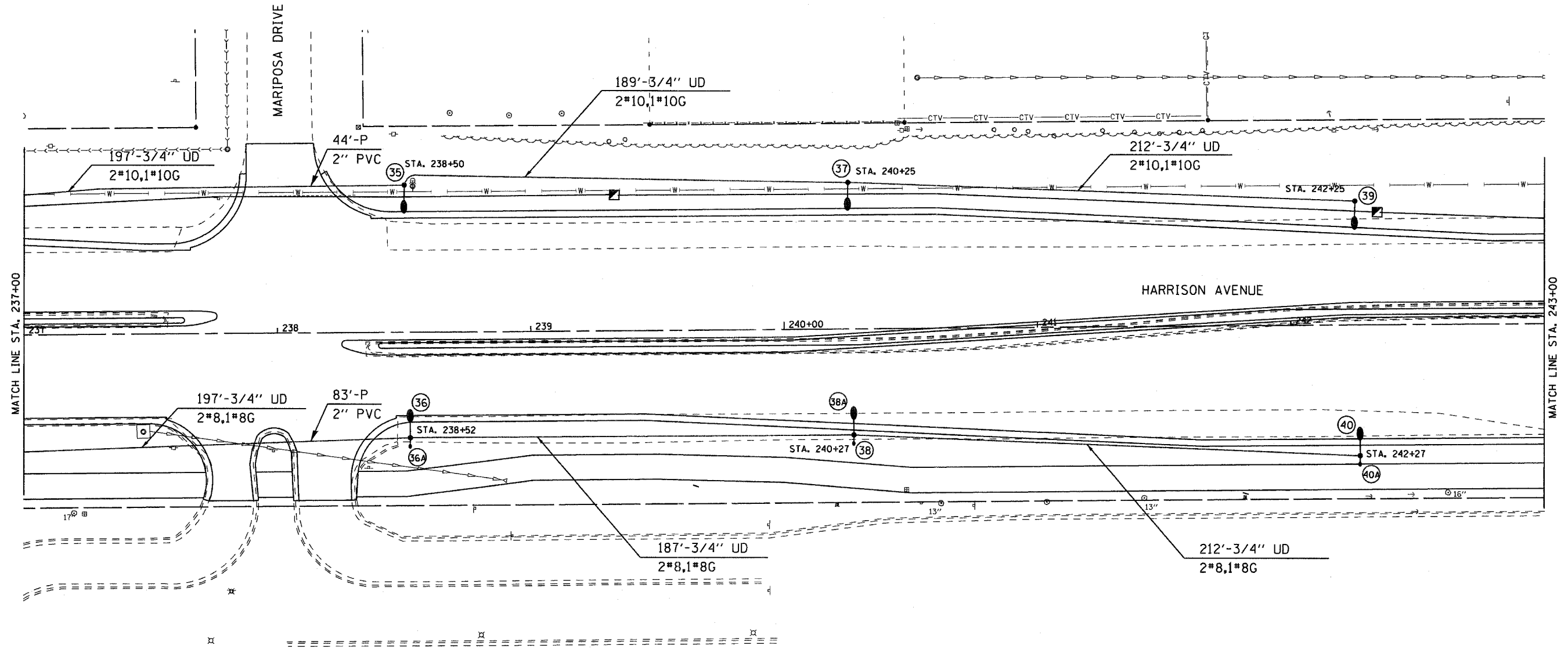
FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	16
STA. 231+00		TO STA. 237+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS



F.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	17
STA. 237+00		TO STA. 243+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

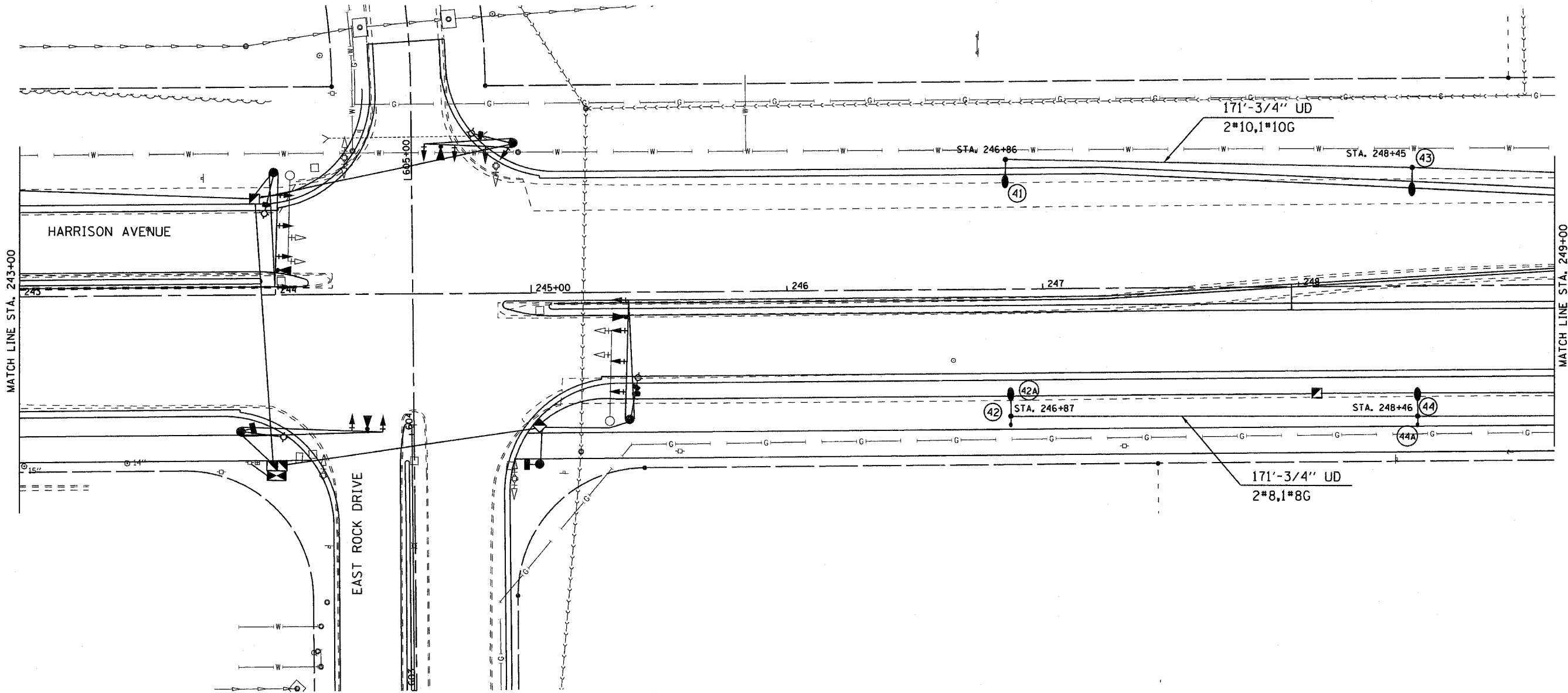
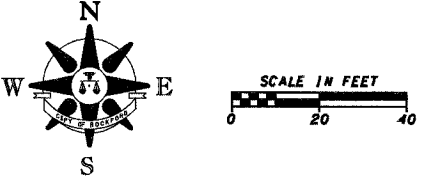
LIGHTING PLANS



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00520-01-LT	WINNEBAGO	41	18

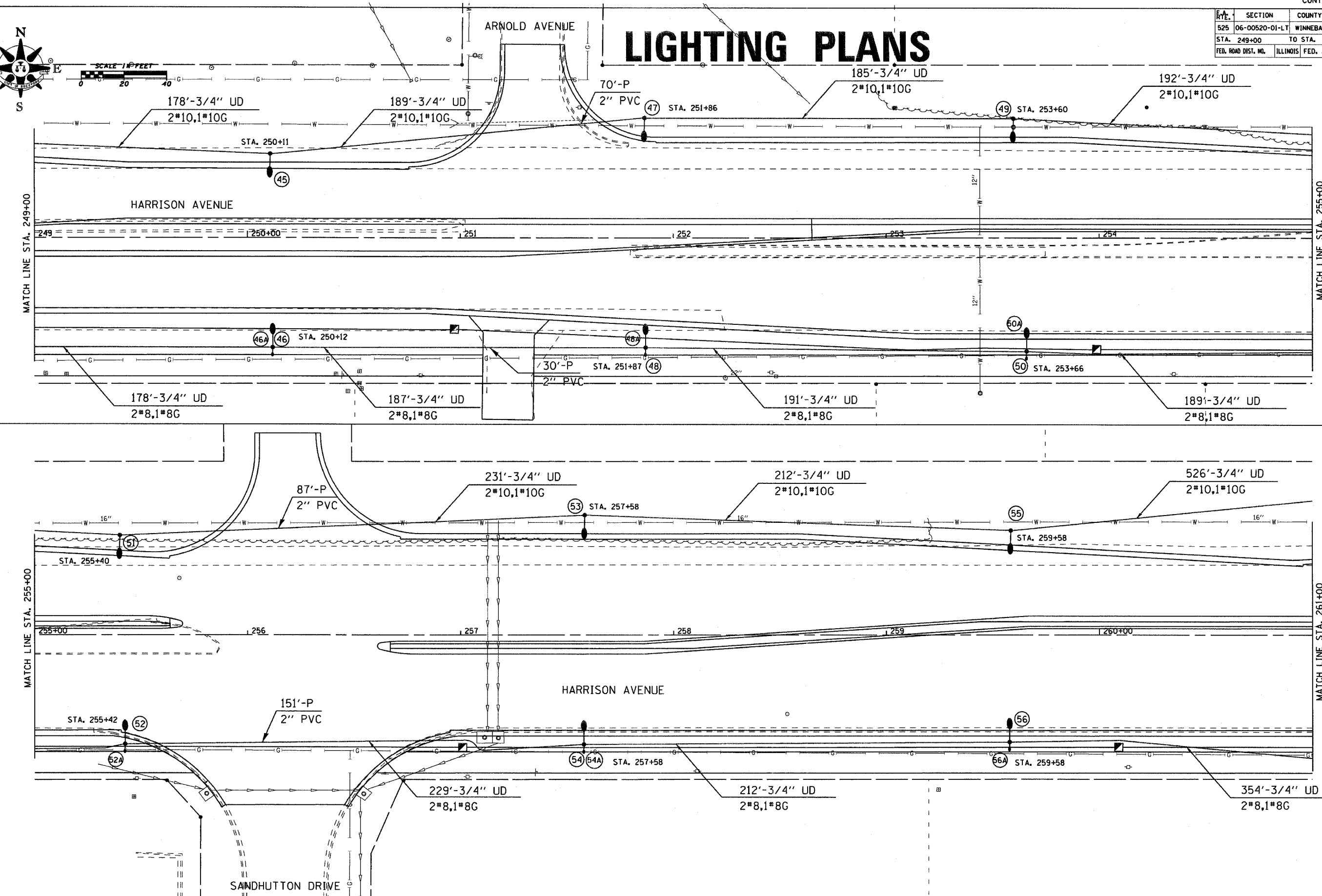
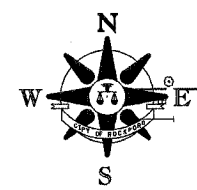
STA. 243+00 TO STA. 249+00
ILLINOIS FED. AID PROJECT

LIGHTING PLANS



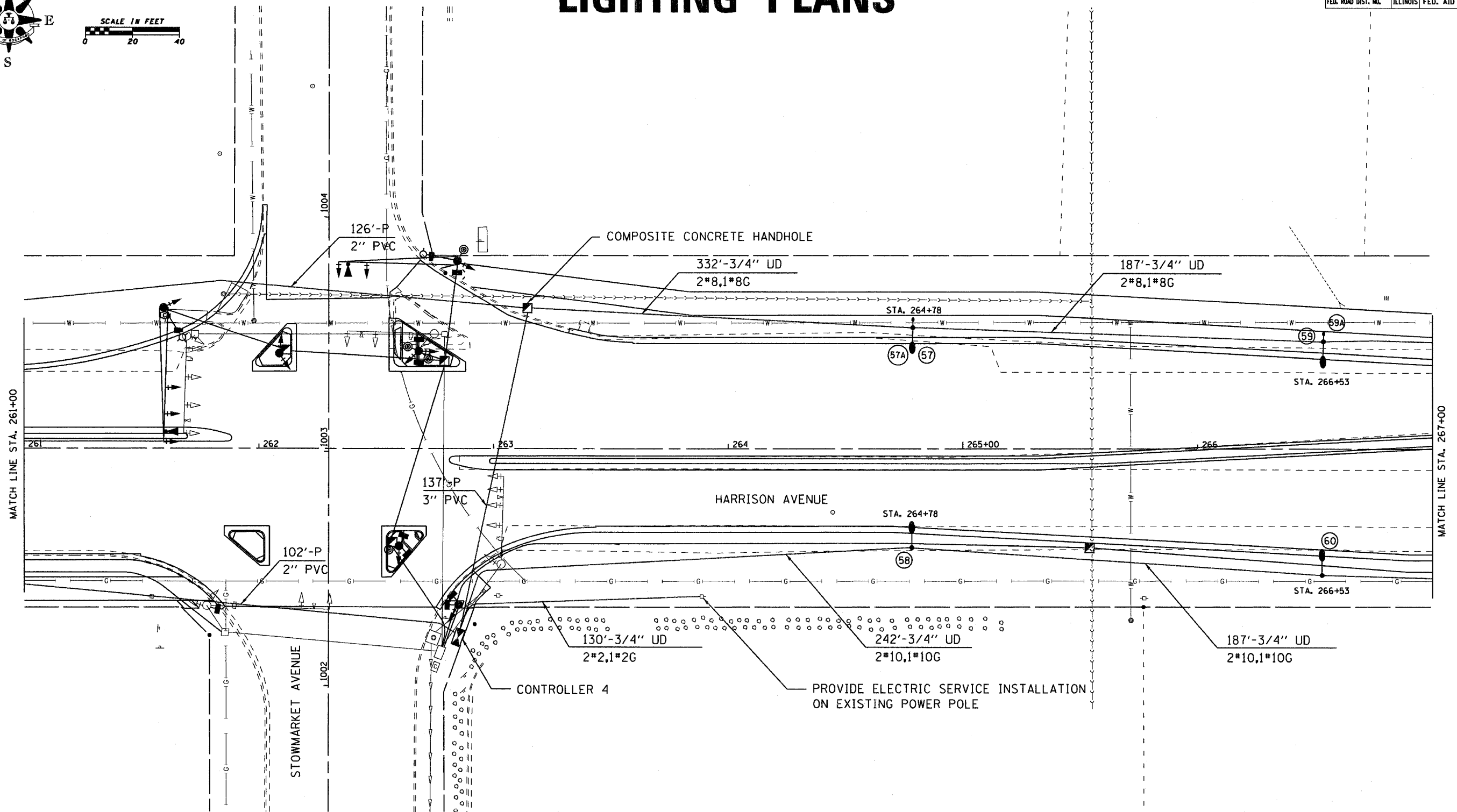
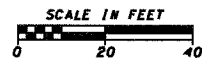
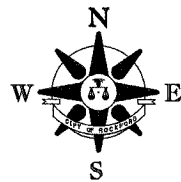
RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	19
STA. 249+00		TO STA. 261+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS



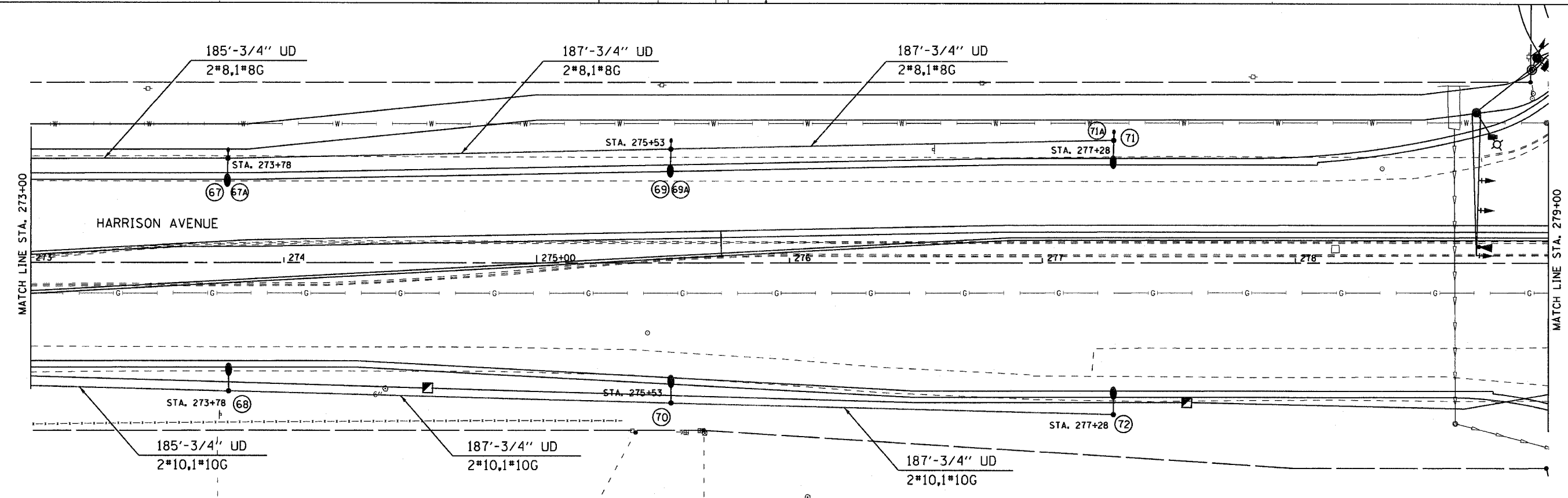
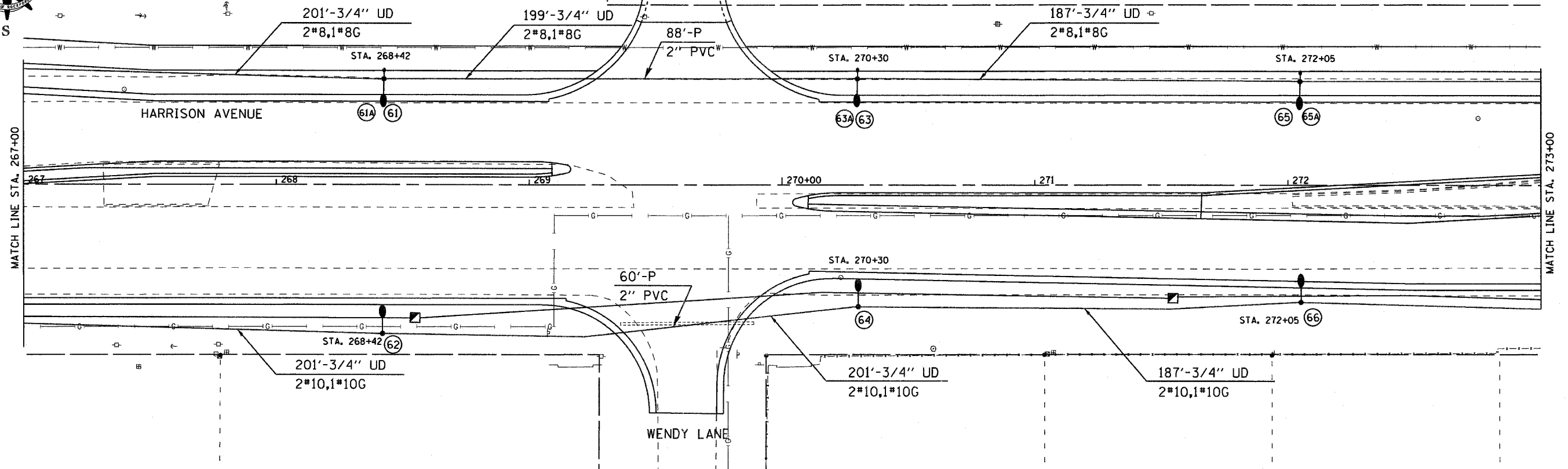
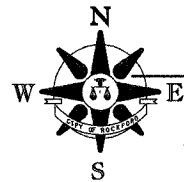
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	20
STA. 261+00		TO STA. 267+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS



F.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	21
STA. 267+00		TO STA. 279+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING PLANS

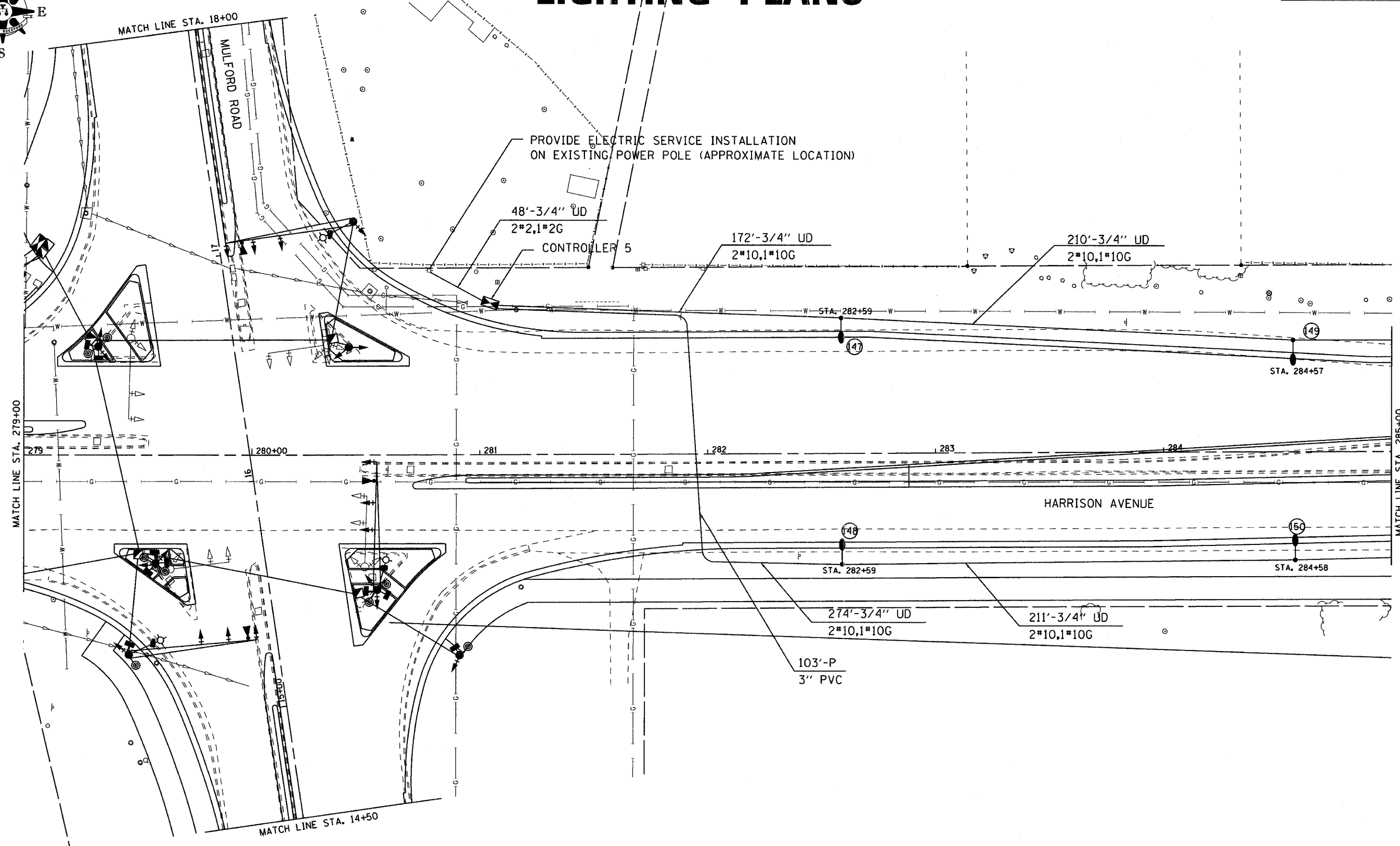


R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	22
STA. 279+00		TO STA. 285+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LIGHTING PLANS

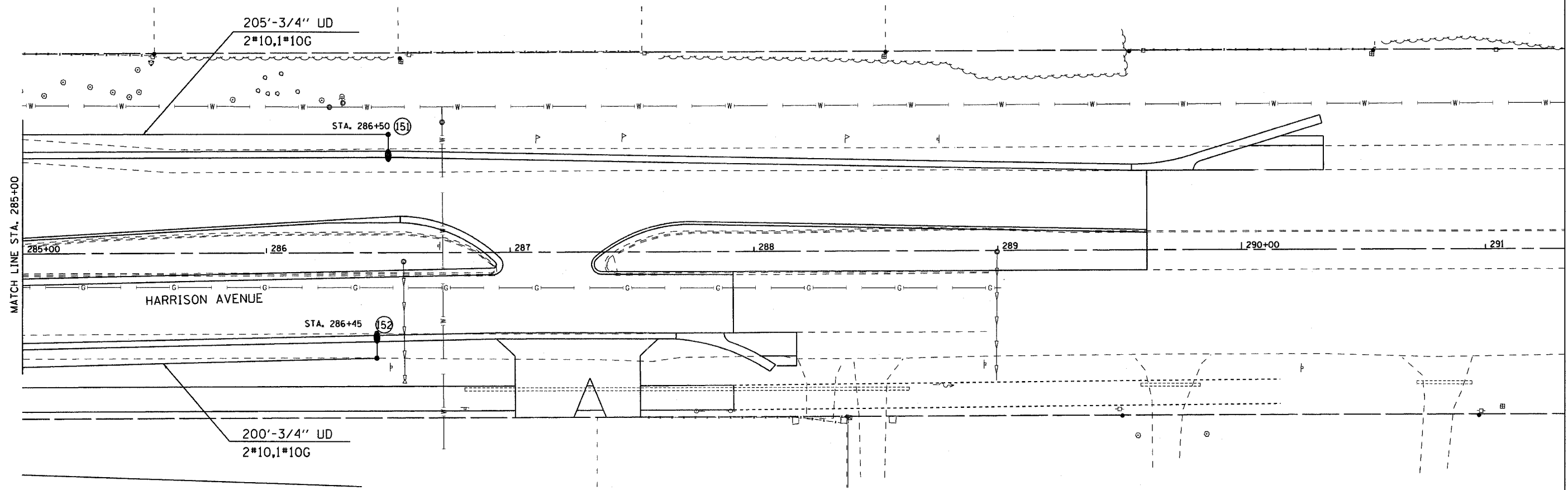
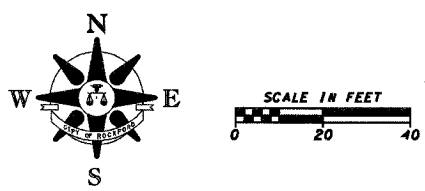


SCALE IN FEET
0 20 40



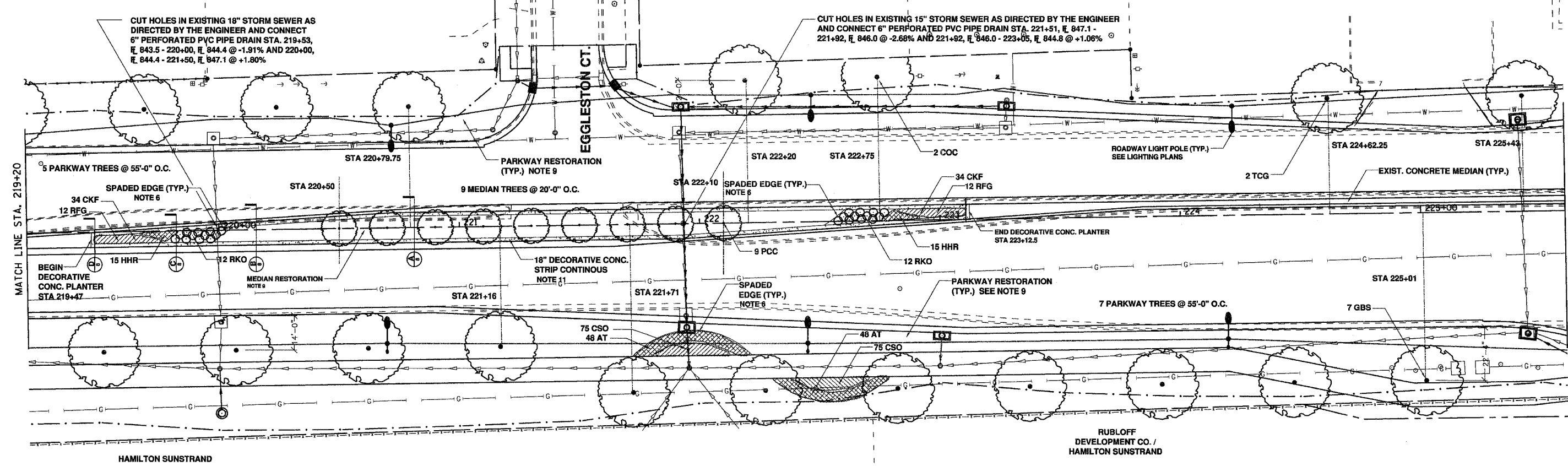
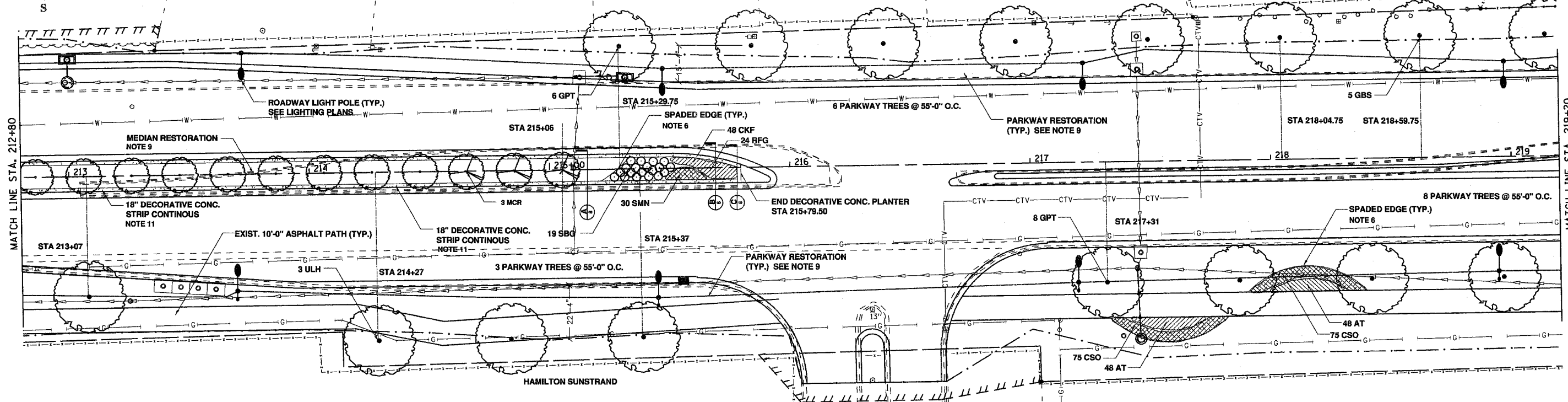
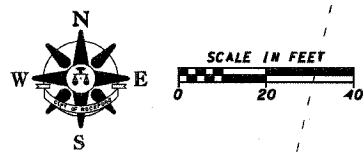
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	23
STA. 285+00		TO STA. 290+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

LIGHTING PLANS



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	25
STA. 212+80		TO STA. 225+60		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

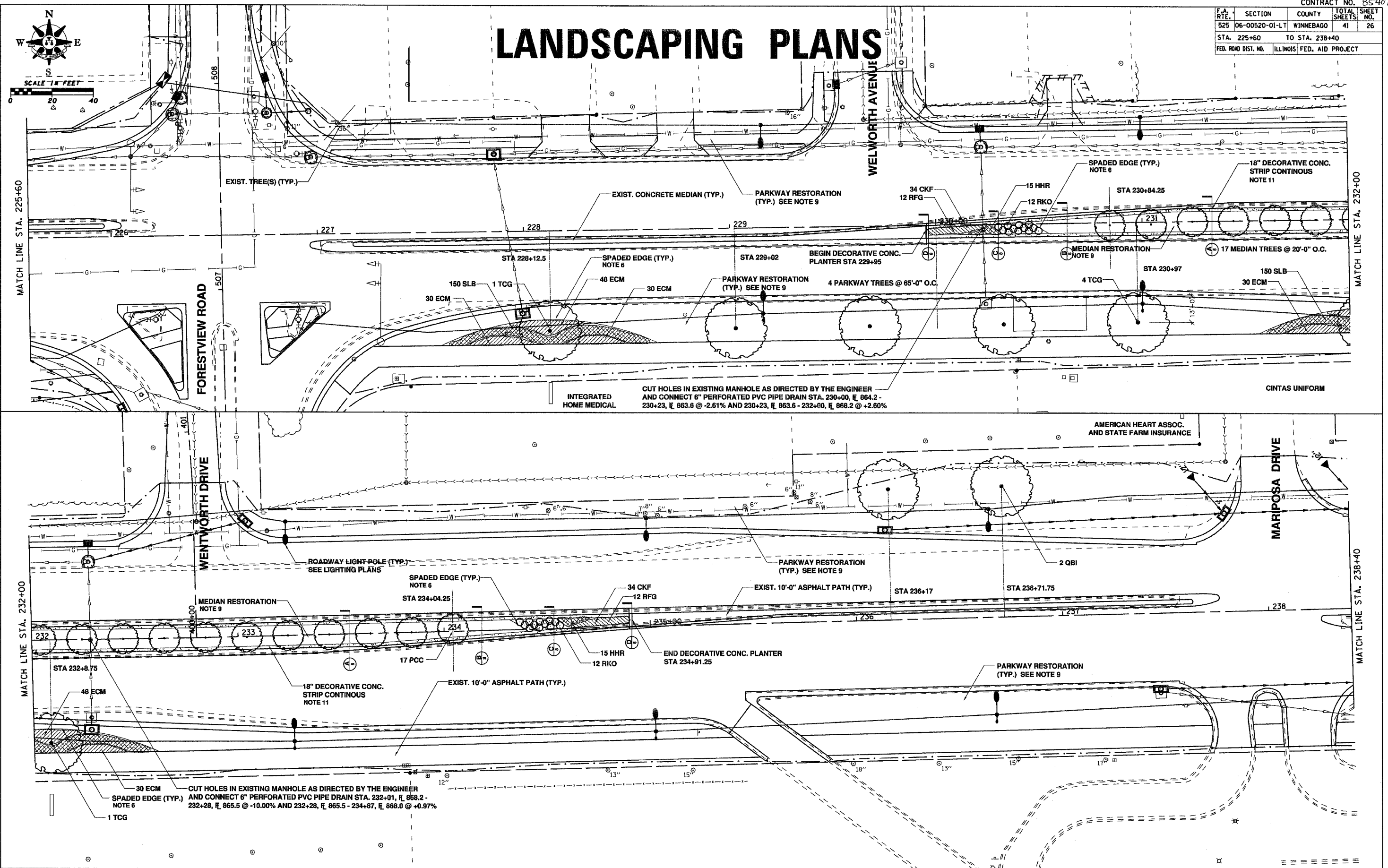
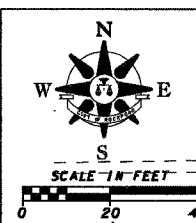
LANDSCAPING PLANS



PLOT DATE
 FILE NAME
 PLOT SCALE
 USER NAME

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	26
STA. 225+60		TO STA. 238+40		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

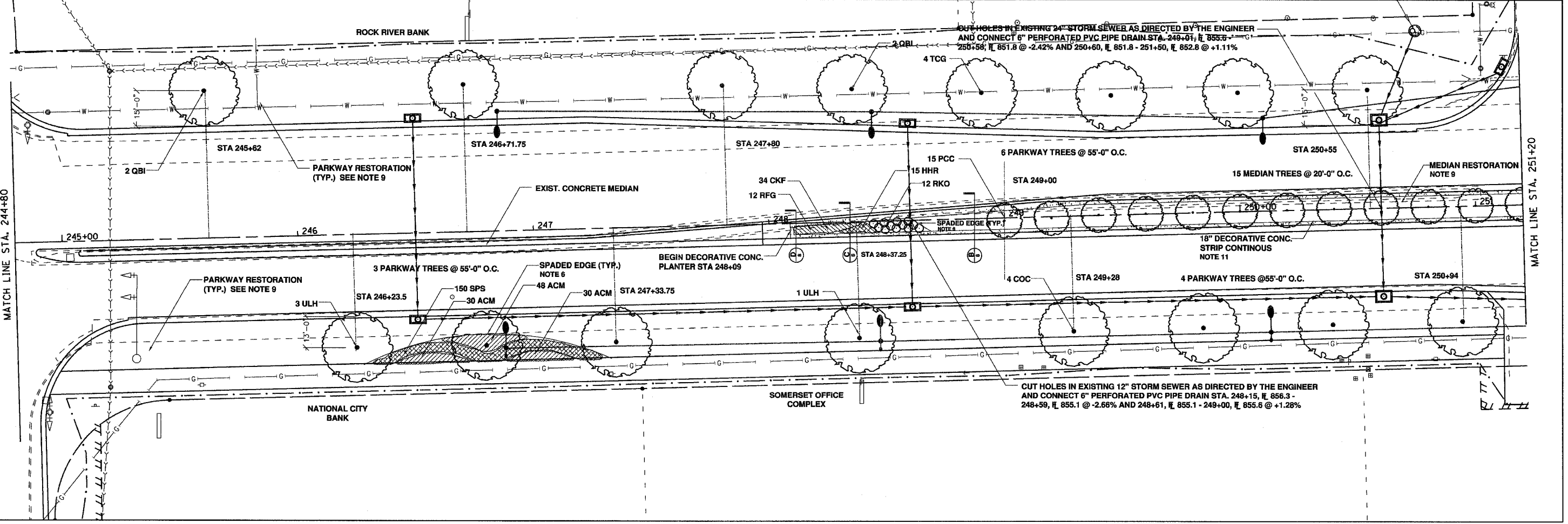
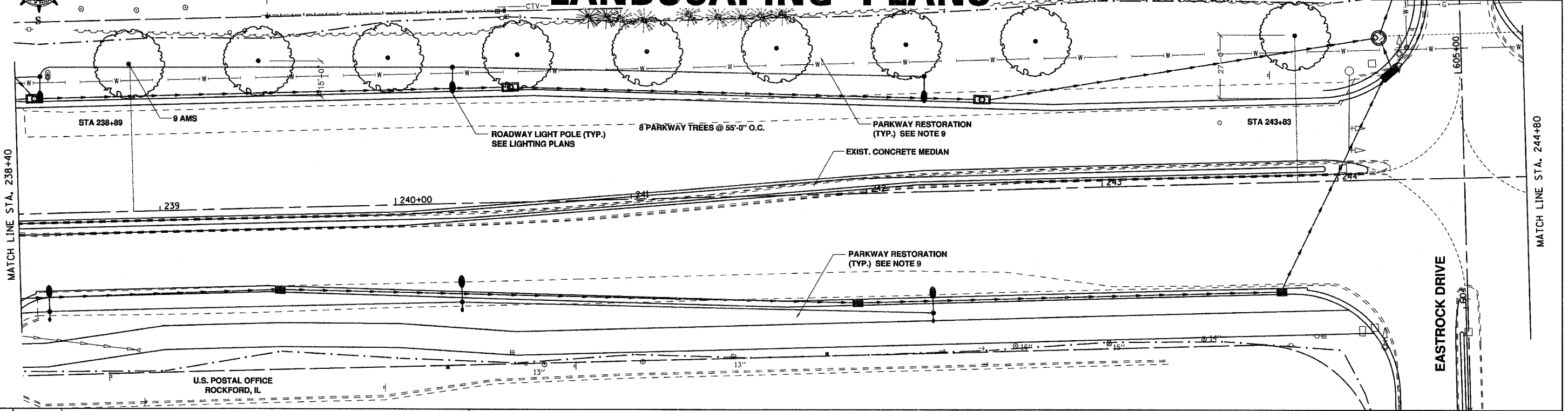
LANDSCAPING PLANS



PLOT DATE : 04/25/18
 FILE NAME : 06-00520-01-LT-26.dwg
 PLOT SCALE : 1/8" = 1'-0"
 USER NAME : MUSEK

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	27
STA. 238+40		TO STA. 251+20		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LANDSCAPING PLANS

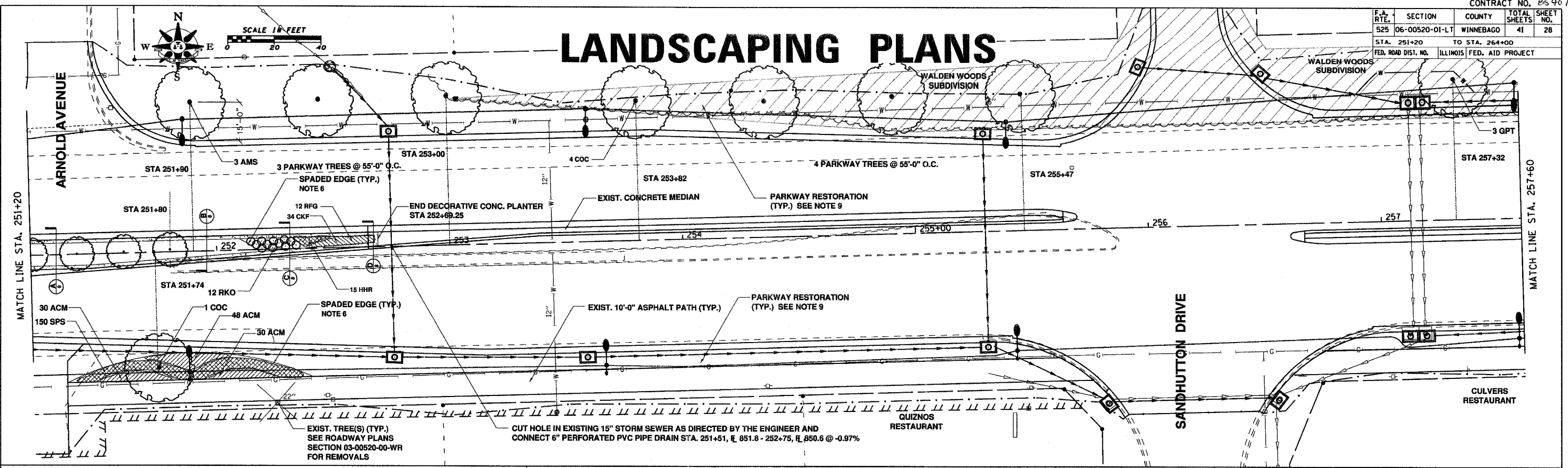


PLOT DATE * * *
FILE NAME * * *
PLOT SCALE * * *
USER NAME * * *

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	28

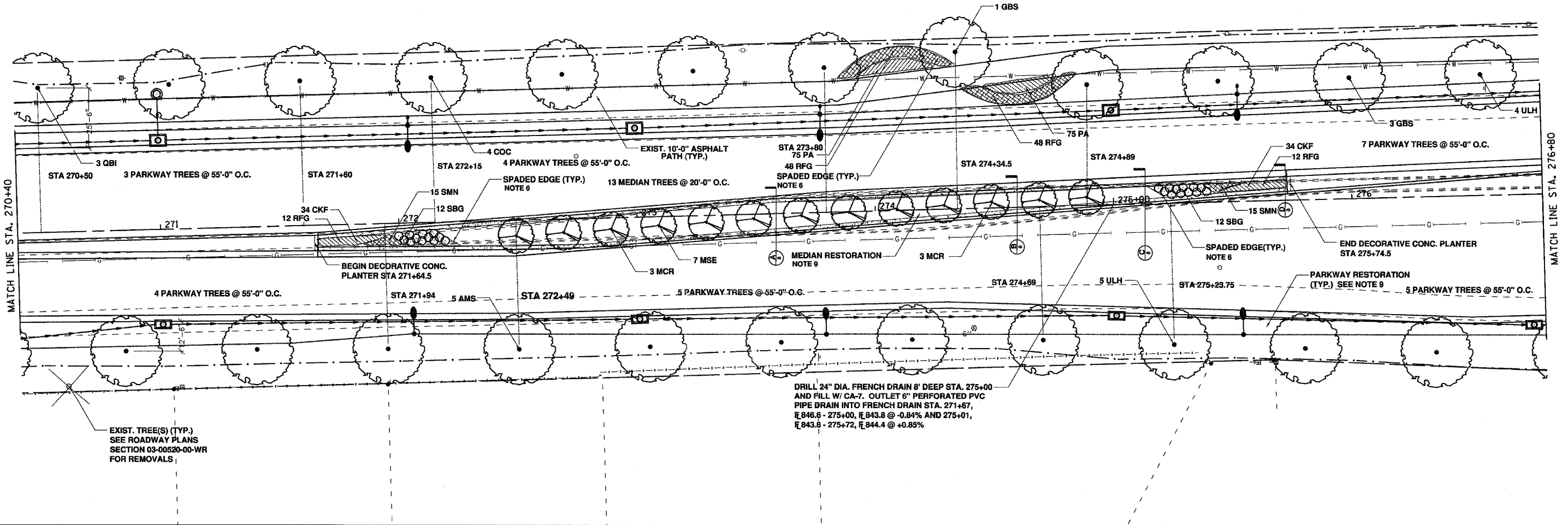
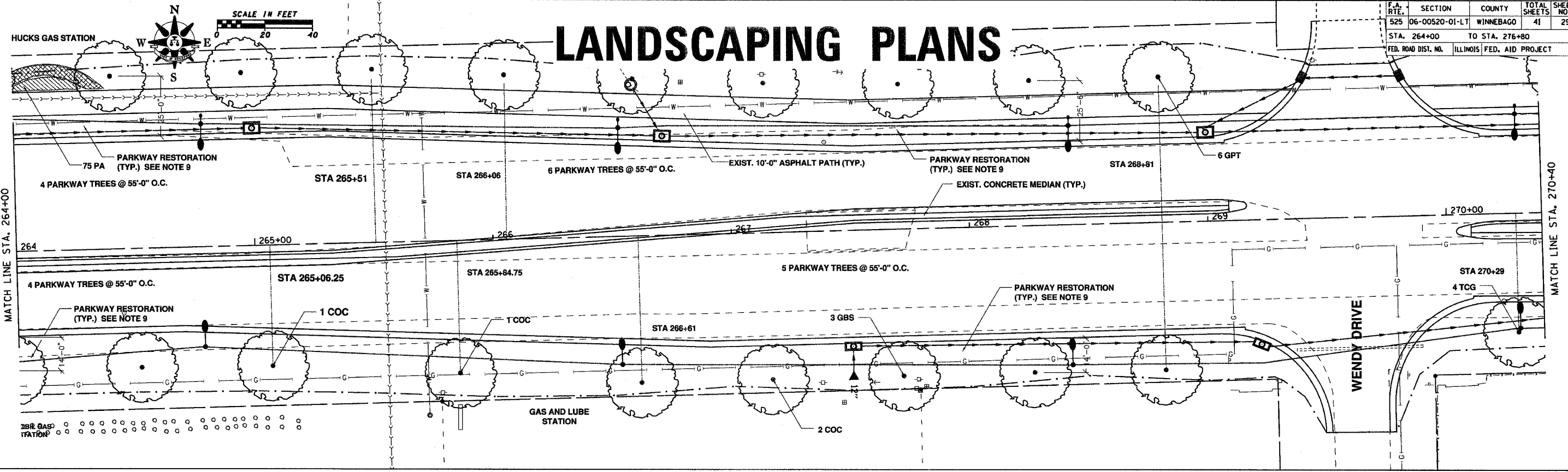
STA. 251+20 TO STA. 264+00
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

LANDSCAPING PLANS



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	29
STA. 264+00		TO STA. 276+80		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LANDSCAPING PLANS



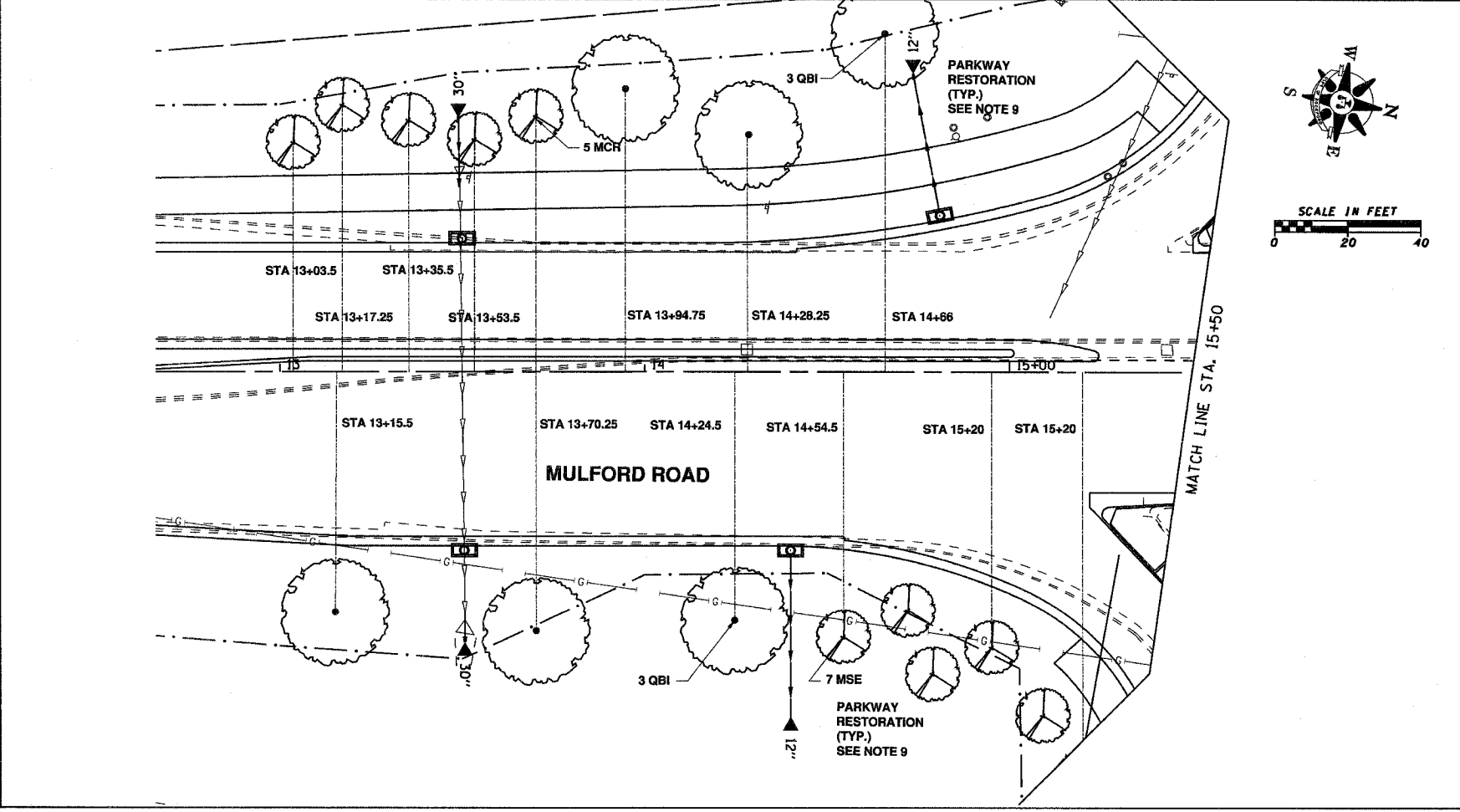
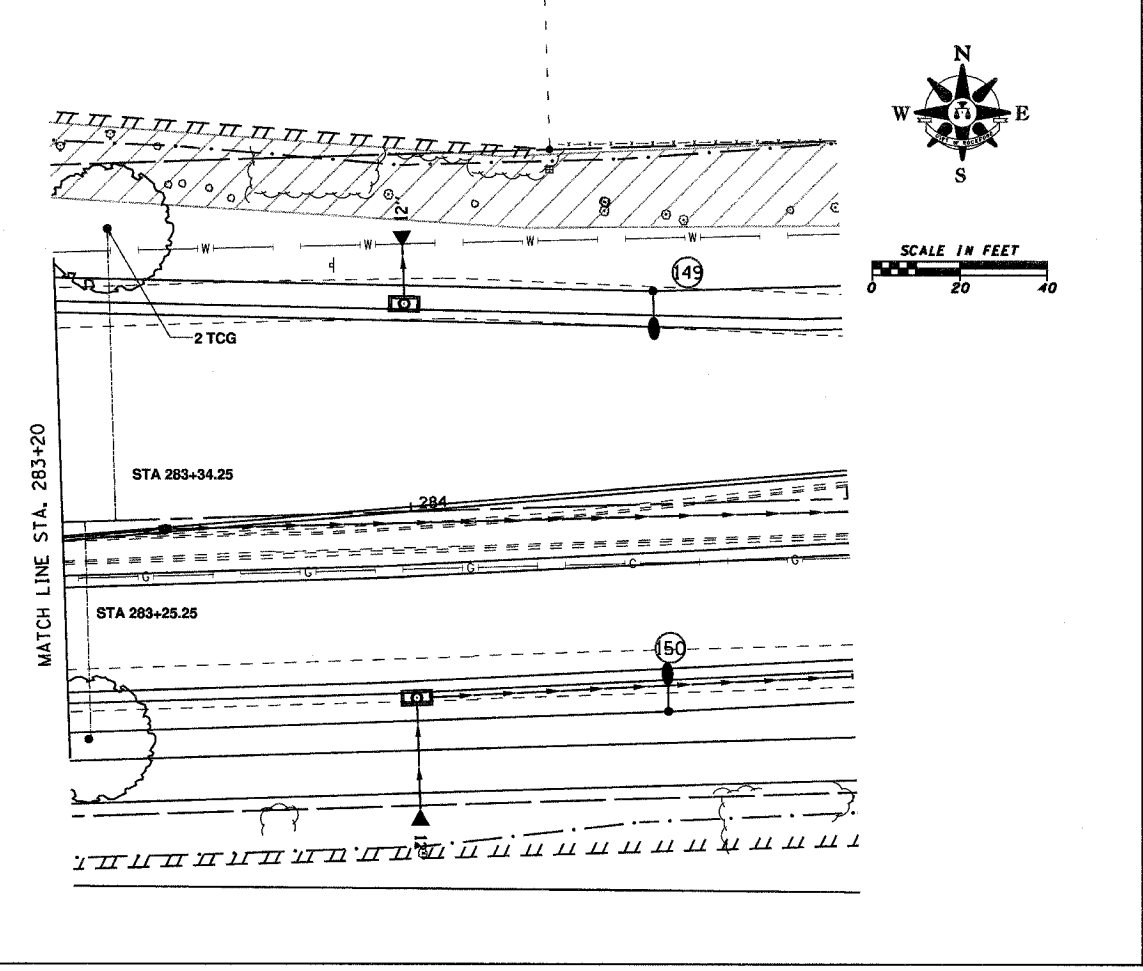
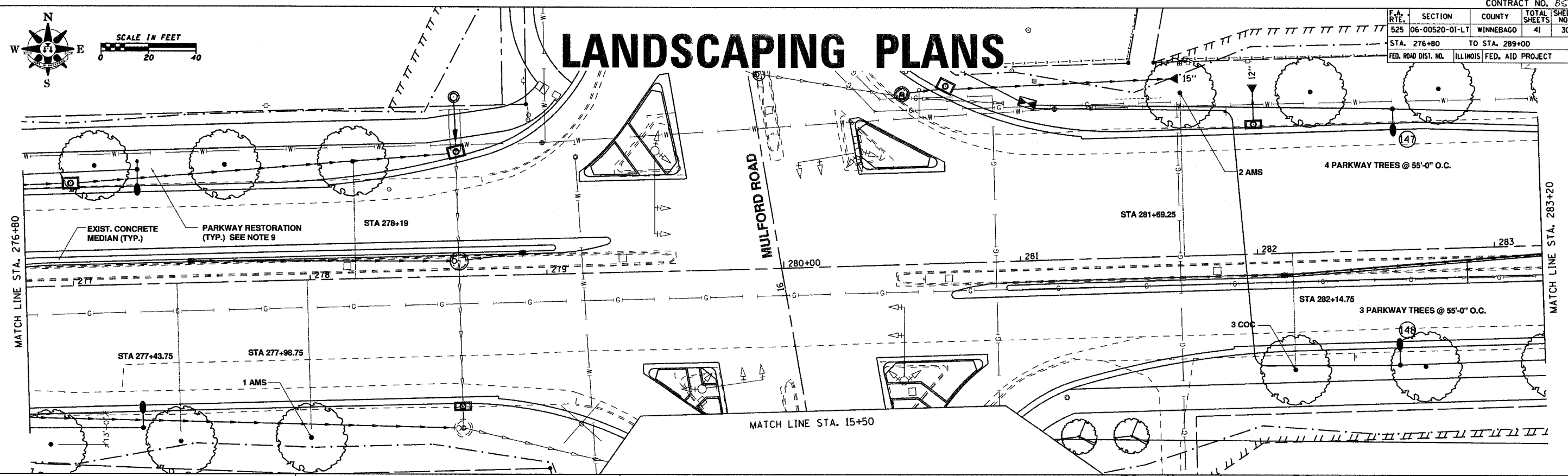
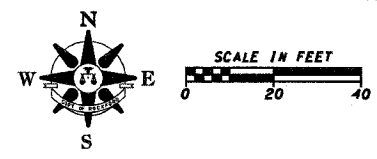
DRILL 24" DIA. FRENCH DRAIN 8' DEEP STA. 275+00 AND FILL W/ CA-7. OUTLET 6" PERFORATED PVC PIPE DRAIN INTO FRENCH DRAIN STA. 271+87, E 846.6 - 275+00, E 843.8 @ -0.04% AND 275+01, E 843.8 - 275+72, E 844.4 @ +0.85%

EXIST. TREE(S) (TYP.) SEE ROADWAY PLANS SECTION 03-00520-00-WR FOR REMOVALS

PLOT DATE
FILE NAME
PLOT SCALE
USER NAME

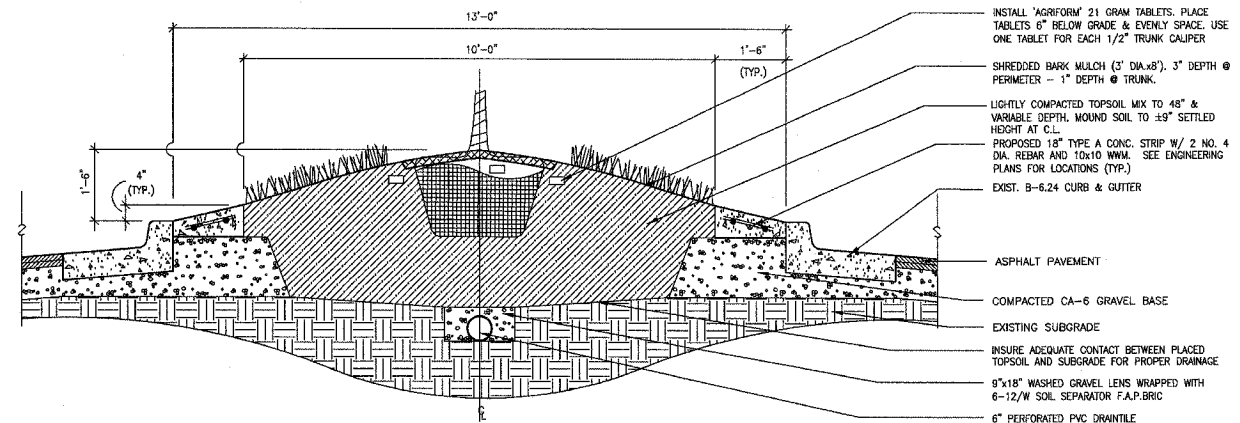
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	30
STA. 276+80		TO STA. 289+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LANDSCAPING PLANS

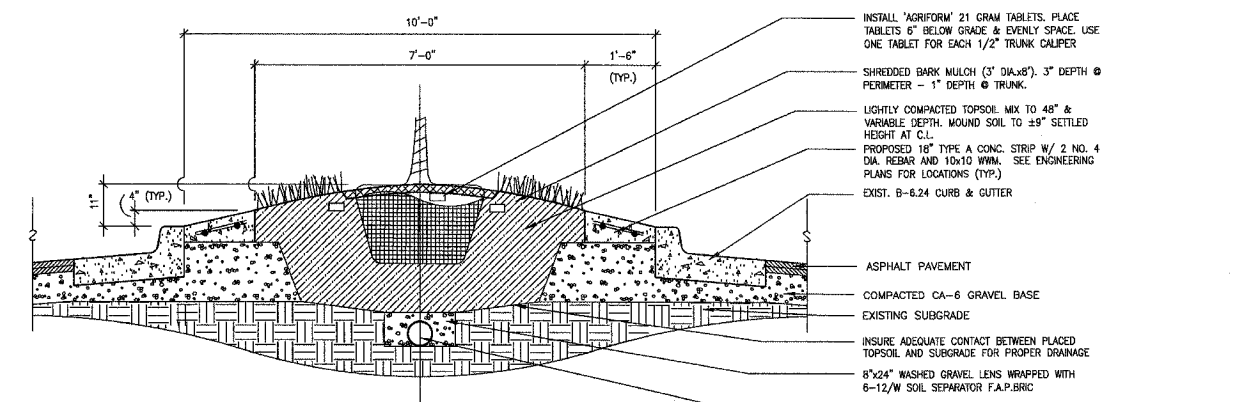


PLOT DATE
FILE NAME
PLOT SCALE
USER NAME

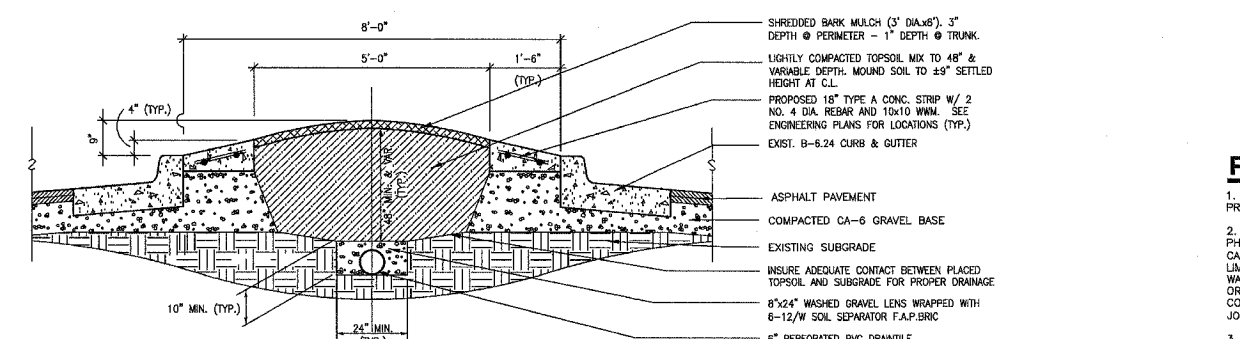
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



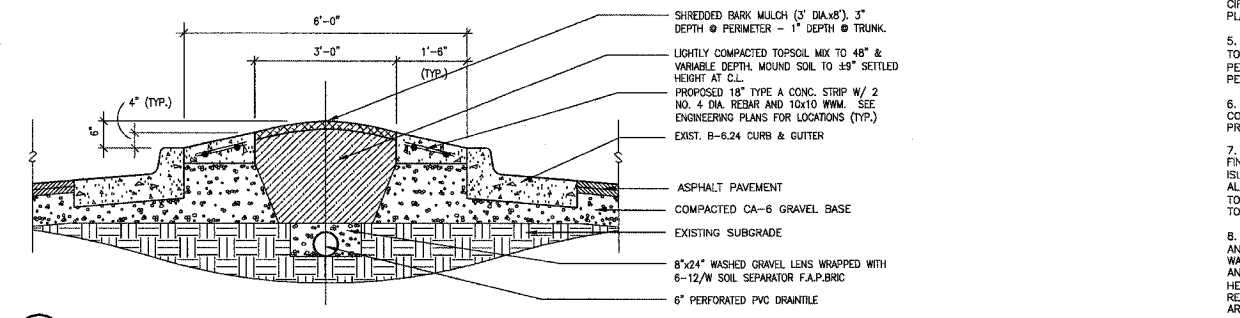
A ISLAND CROSS SECTION @ 13' (BACK TO BACK) NO SCALE



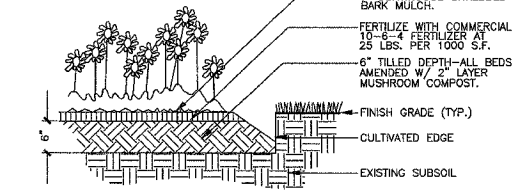
B ISLAND CROSS SECTION @ 10' (BACK TO BACK) NO SCALE



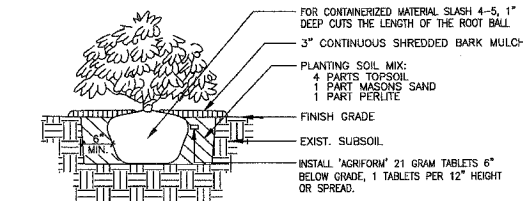
C ISLAND CROSS SECTION @ 8' (BACK TO BACK) NO SCALE



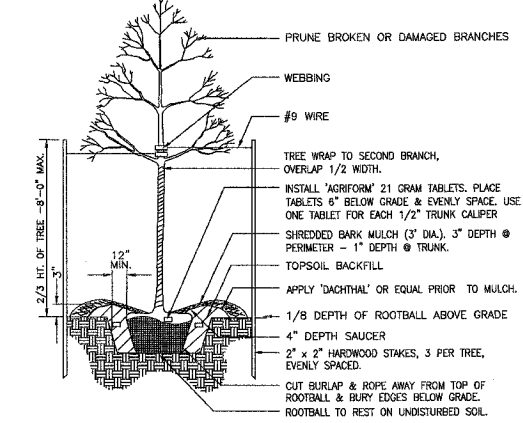
D ISLAND CROSS SECTION @ 6' (BACK TO BACK) NO SCALE



E PERENNIAL/GROUNDCOVER PLANTING NO SCALE



F SHRUB PLANTING DETAIL NO SCALE



G PARKWAY TREE PLANTING DETAIL NO SCALE

PLANT LIST HARRISON AVE. STREETSCAPE

TREES	CODE #	KEY	QTY	BOTANICAL NAME COMMON NAME	SIZE	REMARKS
	A2000320	AMS	20	Acer miyabei 'State Street' MIYABEI MAPLE	2 1/2"	
	A2003120	OOC	28	Celtis occidentalis 'Windy City' HACKBERRY	2 1/2"	
	A2004520	GBS	22	Ginkgo biloba 'Sentry' SENTRY GINKGO	2 1/2"	
	GPT	23	Gymnocladia dioica 'Prairie Titan' PRAIRIE TITAN COFFEETREE	2 1/2"		
	MCR	17	Malus 'Cardinals Robe' F.A.P.THER FALA CARDINALS ROBE CRABAPPLE	2"	TREE FORM	
	MRJ	15	Malus 'Jewel cole' RED JEWEL CRABAPPLE	7"	MULTI-STEMMED	
	MSE	14	Malus 'Sentinel' SENTINEL CRABAPPLE	7"	MULTI-STEMMED	
	PCC	41	Pyrus calleryana 'Chanticleer' CHANTICLEER FLOWERING PEAR	2"	TREE FORM	
	A2008120	TCG	22	Tilia cordata 'Greenspire' GREENSPIRE LITTLELEAF LINDEN	2 1/2"	
	A2008820	ULH	25	Ulmus x 'Homestead' HOMESTEAD ELM	2 1/2"	
	A2008120	QBI	21	Quercus bicolor SWAMP WHITE OAK	2 1/2"	
SHRUBS						
	RKO	72	Rosa x 'Knock Out' DOUBLE KNOCKOUT HYBRID ROSE	18"	DOUBLE FLOWERING	
	SBG	58	Spiraea x bumalda 'Goldflame' GOLDFLAME SPIREA	18"		
PERENNIALS/ GROUNDCOVER						
	ACM	216	Achillea millefolium 'Summerwine' SUMMERWINE YARROW	GAL.	18" O.C.	
	AT	192	Asclepias tuberosa BUTTERFLY WEED	GAL.	18" O.C.	
	CKF	354	Calamagrostis acutifolia 'Karl Forster' FEATHER REED GRASS	GAL.	18" O.C.	
	CSO	300	Chasmanthium latifolium NORTHERN SEA OATS	GAL.	18" O.C.	
	ECM	216	Echinacea x 'Sunset' PURPLE CONEFLOWER	GAL.	18" O.C.	
	XX006105	HHR	Hemerocallis x 'Happy Returns' HAPPY RETURNS DAYLILY	GAL.	18" O.C.	
	PA	300	Pennisetum alopecuroides FOUNTAIN GRASS	GAL.	18" O.C.	
	K0030404	RFG	Rubecula fulgida 'Goldsturm' GOLDSTURM BLACK-EYED SUSAN	GAL.	18" O.C.	
	XX006610	SLB	Schizachyrium scoparium LITTLE BLUE STEM	GAL.	18" O.C.	
	SMN	75	Salvia x superba 'May Night' MAY NIGHT SALVIA	GAL.	18" O.C.	
	K0030428	SPS	Sporobolus heterolepis PRAIRIE DROPSEED	GAL.	18" O.C.	

PLANTING NOTES

- LANDSCAPE CONTRACTOR (CONTRACTOR) SHALL VISIT SITE, INSPECT EXISTING CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON-SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON HIS PHASE OF PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION, ETC. MAY BE LOCATED BY CALLING J.U.L.I.E. AT (312) 800-892-0123. THE FOLLOWING UTILITIES MAY BE LOCATED WITHIN THE PROJECT LIMITS AND ARE MEMBERS OF J.U.L.I.E.: CITY OF ROCKFORD, COM ED, VERIZON, NICOR GAS CO., ROCK RIVER WATER RECLAMATION DISTRICT, AT&T CO., SBC AMERITECH, INSIGHT COMMUNICATIONS, MILEOD USA. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
- CONTRACTOR RESPONSIBLE FOR APPLICATION AND COST OF ALL NECESSARY BUILDING PERMITS AND CODE VERIFICATIONS. SUBMIT COPIES OF ALL DOCUMENTS TO OWNER AND LANDSCAPE ARCHITECT.
- ALL SHRUB BEDS AND TREES SHALL BE MULCHED WITH A 3" CONTINUOUS LAYER OF HARDWOOD, SHREDDED BARK. ALL GROUND COVER AND PERENNIAL BEDS SHALL BE MULCHED WITH A 1" LAYER OF HARDWOOD SHREDDED BARK. ALL MEDIAN TREES TO BE MULCHED WITH TYPICAL 3" x 6" ELLIPTICAL MULCH RING, ORIENTED EAST-WEST, FOR EASE OF MOWING. ALL PARKWAY DECIDUOUS TREES SHALL BE MULCHED WITH A 3" DIAMETER CIRCLE OF MULCH. ALL EVERGREEN TREES SHALL BE MULCHED TO THE DRIP LINE. MULCHING OF TREES AND PLANTING BEDS SHALL BE INCIDENTAL TO PLANTING PROCEDURES AND RELATED CODED PAY ITEMS.
- PERENNIAL AND GROUND COVER BEDS SHALL BE AMENDED WITH A 2" LAYER OF MUSHROOM COMPOST, TILLED TO A DEPTH OF 6", RAKED SMOOTH, FERTILIZED WITH COMMERCIAL 10-8-4 FERTILIZER AT A RATE OF 25 LBS. PER 1,000 S.F., PLANTED, COVERED WITH 1" LAYER OF SHREDDED BARK MULCH AND WATERED. MULCHING OF PERENNIAL BEDS SHALL BE INCIDENTAL TO PLANTING PROCEDURES AND RELATED CODED PAY ITEMS.
- EDGE ALL SHRUB BEDS THAT ADJUT LAWNS WITH 4" WIDTH BY 4" DEPTH "V" SHAPED SPADED EDGE. CONTINUOUS AS SHOWN ON PLAN. EDGING OF TREES AND PLANTING BEDS SHALL BE INCIDENTAL TO PLANTING PROCEDURES AND RELATED CODED PAY ITEMS.
- THE TOPSOIL CONDITION FOR THIS PROJECT SITE IS AS FOLLOWS: CONTRACTOR TO SUPPLY, PLACE AND FINISH GRADE TOPSOIL AT SPECIFIED DEPTHS IN PLANTING AND LAWN AREAS. PLANTING AREAS IN MEDIAN ISLANDS ±48 INCHES LIGHTLY COMPACTED DEPTH, CROWNED TO APPROPRIATE HEIGHTS (SEE DETAILS A-D/B); ALL PARKWAY LAWN AREAS 6 INCHES; SEE ROADWAY PLANS AND NOTES SECTION 03-00520-00-WR. ALL TOPSOIL MUST BE FROM THE "A" HORIZON (ZERO TO 2" DEPTH) OF SOIL PROFILES OF LOCAL SOILS. MEDIAN TOPSOIL MIX TO BE 4 PARTS SANDY LOAM TOPSOIL, 1 PART MASON'S SAND AND 1 PART PERLITE.
- GUARANTEE OF PLANTS FOR ONE (1) YEAR SHALL BEGIN AFTER ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR OWNER. THE OWNER SHALL ASSUME MAINTENANCE RESPONSIBILITIES OF ALL PLANT MATERIAL, INCLUDING WATERING, CULTIVATING, WEEDING, MULCHING AND SPRAYING AS NECESSARY TO KEEP PLANTS FREE OF INSECTS AND IN A HEALTHY, VIGOROUS CONDITION. THE CONTRACTOR SHALL GUARANTEE ALL PLANTS TO BE IN A HEALTHY, VIGOROUS CONDITION FOR A PERIOD OF ONE (1) YEAR FOLLOWING ACCEPTANCE. CONTRACTOR SHALL REPLACE WITHOUT COST TO OWNER ANY DEAD OR UNACCEPTABLE PLANTS, AS DETERMINED BY LANDSCAPE ARCHITECT DURING AND AT THE END OF THE GUARANTEE PERIOD.
- SOD TO BE APPROVED (DOT 1A SALT TOLERANT LAWN MIXTURE). NO PEAT SOD WILL BE ALLOWED. SOD GRASSES SHALL CONSIST OF THE FOLLOWING BLUEGRASS TYPES: 34% KENTUCKY BLUEGRASS, 33% FULTS PUGNELLIA DISTANS, 11% DAWSON RED FESCUE, 11% SCALDIS HARD FESCUE, 11% PERENNIAL TIERGRASS. SOD PIECES ARE TO FIT TIGHTLY TOGETHER SO THAT NO JOINTS ARE VISIBLE. ALTERNATE AND STAGGER COURSES AND TAMP OR ROLL FIRMLY. ALL SODDED LAWN AREAS SHALL BE FERTILIZED AT FIRST CUTTING WITH 15-40-5 ANALYSIS FERTILIZER, AT A RATE OF 8 LBS. PER 1,000 S.F.. ACCEPTANCE AND GUARANTEE SHALL APPLY TO ALL SOD AREAS.
- ACCEPTANCE OF GRADING AND SOD SHALL BE BY LANDSCAPE ARCHITECT AND/OR OWNER. THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR A MINIMUM OF THIRTY (30) DAYS UNTIL SECOND CUTTING, WHICHEVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, REPLACEMENT OF WASH-OFFS AND ANY OTHER OPERATIONS NECESSARY TO KEEP LAWN IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR OWNER, THE OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES.
- CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO INSTALL 18" WIDTH CAST IN PLACE EXPOSED AGGREGATE SURFACE AT THE BACK OF CURB, CONTINUOUS, IN MEDIANS AS SHOWN ON PLAN, REFER TO ENGINEERING DRAWINGS. CONCRETE STRIP TO MEET BACK OF CURB, CONCRETE TO MAINTAIN CONTINUOUS 4" HEIGHT ABOVE CURB, REFER TO DETAILS A-D/B. SLOPE ADJACENT GRADES TO MEET PITCH OF CURB. CONCRETE SHALL INCLUDE TWO (2) #4 REBAR AND 6/8 10x10 W/M, CONTINUOUS. CONTRACTOR TO PROVIDE FIRST APPLICATION OF CLEANING AND SEALANT. INSTALLATION OF WIRE MESH, REBAR AND SEALANT SHALL BE INCIDENTAL TO CAST IN PLACE CONCRETE PROCEDURES AND RELATED CODED PAY ITEMS.
- CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS NECESSARY TO INSTALL 6" PERFORATED RIGID PVC PIPE IN CENTER OF MEDIAN PLANTERS, CONTINUOUS. INSTALL PIPE IN 8"x18" TRENCH BACKFILLED WITH CA-7 STONE AND WRAPPED WITH 6-12/W FILTER F.A.P.B.R.C. REFER TO DETAILS A-D/B. PITCH OF PIPE TO BE MINIMUM 1/4" PER FOOT. PROVIDE LATERAL DRAIN OUTLETS TO ADJACENT STORM INLETS AS SHOWN ON LANDSCAPING PLANS.
- CONTRACTOR TO VERIFY IN FIELD ALL MEASUREMENTS TO C.L. OF TREES FROM BACK OF CURB AS SHOWN ON PLAN. ADJUST ACCORDINGLY THE LOCATION OF TREES IN PARKWAY (NORTH/SOUTH ALIGNMENT) BASED ON NEW DITCH/SWALE ALIGNMENTS, GAS OR OTHER UTILITY LOCATIONS AND RELOCATED OVERHEAD ELECTRICAL AND TELEPHONE WIRES. CONTRACTOR TO STAKE ALL TREES PRIOR TO INSTALLATION FOR APPROVAL BY OWNER AND/OR LANDSCAPE ARCHITECT.
- CONTRACTOR TO REMOVE ALL VEGETATION AS DESIGNATED BY ENGINEER/LANDSCAPE ARCHITECT AND/OR LISTED IN TREE REMOVAL SCHEDULE. CONTRACTOR TO PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

PLOT DATE: 8/20/2014
FILE NAME: 85407-01-LT-31.dwg
PLOT SCALE: AS SHOWN
USER NAME: JLM

PLANTING SCHEDULE

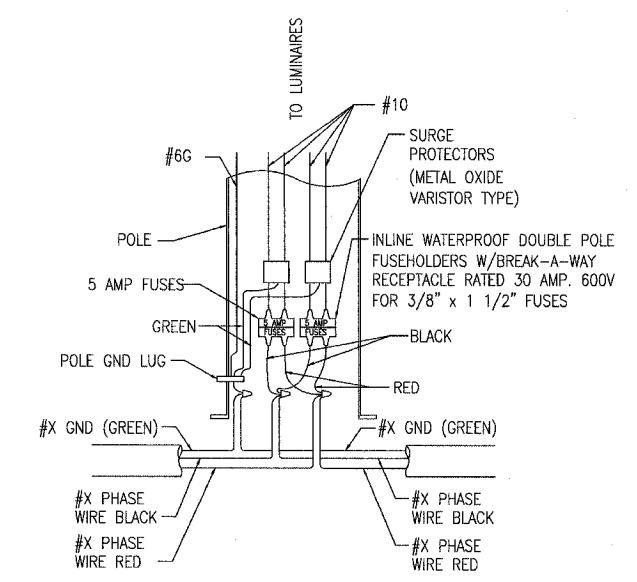
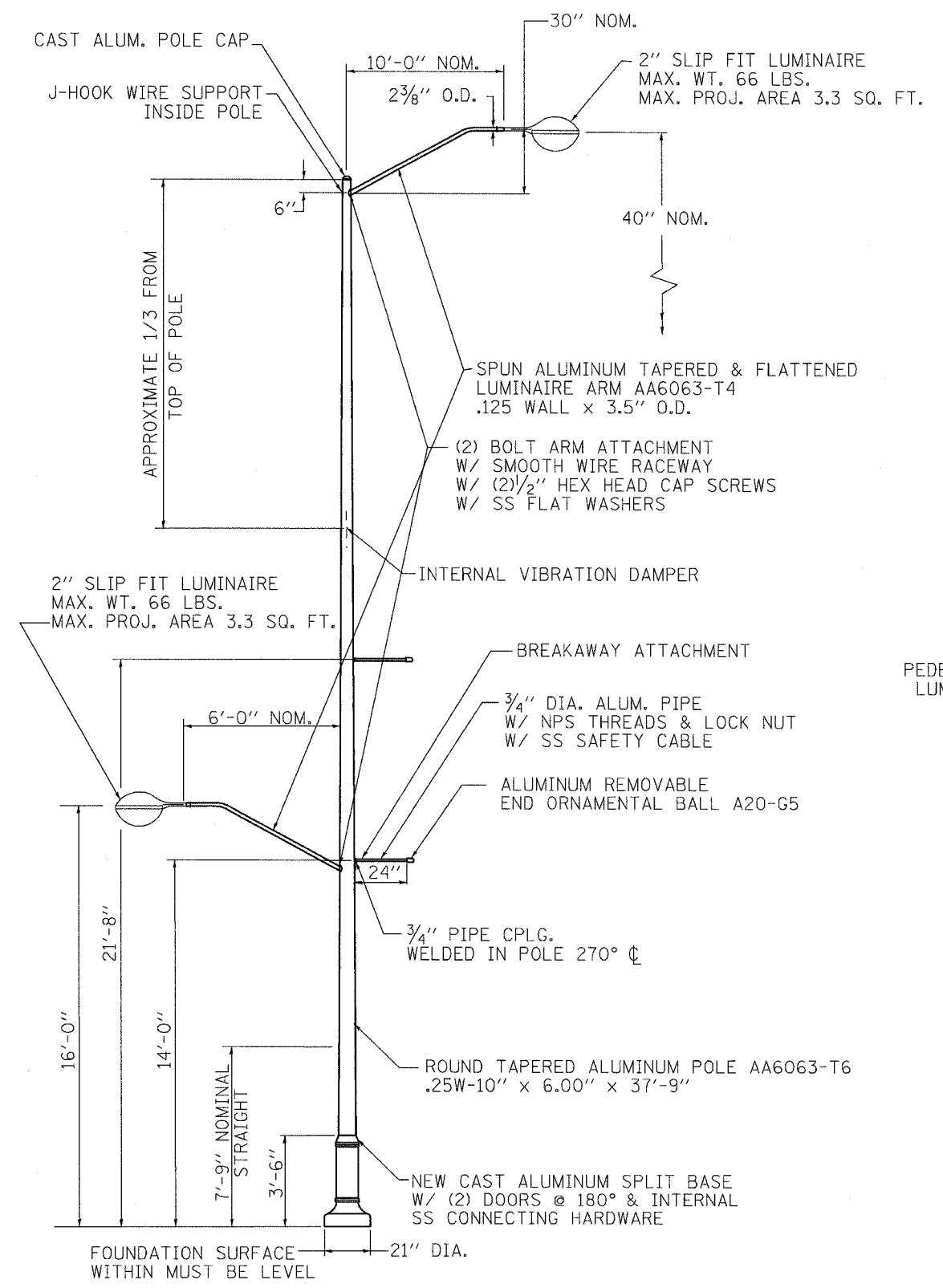
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

	TREES											SHRUBS		PERENNIALS/GROUNDCOVER											
	AMS	COC	GBS	GPT	MCR	MRJ	MSE	PCC	TCG	ULH	OBI	RKO	SBG	ACM	AT	CKF	CSO	ECM	HHR	PA	RFG	SLB	SMN	SPS	
HARRISON AVENUE EASTBOUND - PARKWAY PLANTINGS																									
RT. STA. 202+99-205+74		6										6													
RT. STA. 207+42-210+17																									
RT. STA. 211+42-213+07												4													
RT. STA. 214+27-215+37												3								96	150				
RT. STA. 217+31-218+40																				96	150				
RT. STA. 217+31-221+16				8																					
RT. STA. 221+71-225+01			7																						
RT. STA. 221+71-222+81																				96	150				
RT. STA. 227+59-228+64												1											150		
RT. STA. 229+02-230+97												4													
RT. STA. 213+56-232+61												1											150		
RT. STA. 246+23.5-247+33.75												3		108											150
RT. STA. 248+37.25												1													
RT. STA. 249+28-250+94			4																						
RT. STA. 251+35-252+40			1											108											150
RT. STA. 263+41.25-265+06.25			1	3																					
RT. STA. 265+84.75			1																						
RT. STA. 266+61-268+81			2	3																					
RT. STA. 270+29-271+94												4													
RT. STA. 272+49-274+69			5																						
RT. STA. 275+23.75-277+43.75													5												
RT. STA. 277+98.75			1																						
RT. STA. 282+14.75-283+25.25			3																						
HARRISON AVENUE WESTBOUND - PARKWAY PLANTINGS																									
LT. STA. 215+29.75-218+04.75				6																					
LT. STA. 218+59.75-220+79.75				5																					
LT. STA. 222+20-222+75			2																						
LT. STA. 224+62.25-225+43												2													
LT. STA. 236+17-236+71.75													2												
LT. STA. 238+89-243+83			9																						
LT. STA. 245+62-246+71.75																									
LT. STA. 247+80-250+55												4													
LT. STA. 251+90-253+00			3																						
LT. STA. 253+82-255+47			4																						
LT. STA. 257+32-258+42																									
LT. STA. 258+97-261+17													5												
LT. STA. 263+21-265+51												4									150	96			
LT. STA. 266+06-268+81																									
LT. STA. 270+50-271+60																									
LT. STA. 272+15-273+80			4																						
LT. STA. 273+85-274+85																									
LT. STA. 274+89-278+19													4												
LT. STA. 281+69.25-283+34.25			2																						
HARRISON AVENUE - MEDIAN PLANTINGS																									
STA. 210+00-211+06														15								12			15
STA. 211+06-215+06						6	15																		
STA. 215+06-215+79.5														19								24			30
STA. 219+47-220+50													12								15				
STA. 220+50-222+10												9													
STA. 222+10-223+12.5																									
STA. 229+95-230+84.25																						15			12
STA. 230+84.25-234+04.25																									
STA. 234+04.25-234+91.25														17											
STA. 248+09-249+00																									
STA. 249+00-251+80																									
STA. 251+80-252+69.25																									
STA. 271+64.5-272+49																									
STA. 272+49-274+89																									
STA. 274+89-275+74.5						6		7																	
MULFORD ROAD PLANTINGS																									
LT. STA. 13+03.5-14+66						5							3												
RT. STA. 13+15.5-15+20																									
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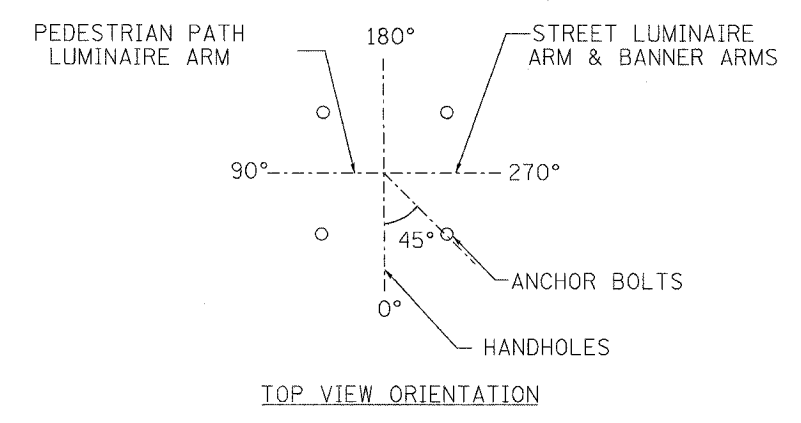
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 PLOT SCALE * * * * *
 USER NAME * * * * *

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHTING UNIT, ALUMINUM, COMPLETE, 40' AND 16' MOUNTING HEIGHTS, DUAL LUMINAIRE ARMS (SPECIAL)



POLE BASE WIRING DETAIL



NOTES:

- 1) WELDED ASS'Y HEAT TREATED TO T6 TEMPER
- 2) COLOR SHALL MATCH LUMEC CN8-TX, OR APPROVED EQUAL
- 3) DESIGNED IN ACCORDANCE WITH 2001 AASHTO STANDARD SPECIFICATIONS WITH 2002 & 2003 "INTERIM REVISIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS". THE DESIGN PARAMETERS INCLUDE:
90 MPH WIND ZONE
50 YEAR STRUCTURE DESIGN LIFE
- 4) THIS ITEM SHALL INCLUDE LUMINAIRE WIRING WITH NO. 10 (XLP,TYPE USE) CABLE
- 5) FUSE HOLDER ASSEMBLIES AND SURGE ARRESTORS INCLUDED IN THIS ITEM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	35
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ROADWAY LIGHTING (20TH STREET TO ALPINE ROAD)

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	PAVEMENT WIDTHS	24 FT
	NUMBER OF LANES	2
	MEDIAN WIDTH	18 FT
	IES SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	0.07
LIGHT POLE DATA:	MOUNTING HEIGHT	40 FT
	MAST ARM LENGTH	10 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	5.5 FT
LUMINAIRE DATA:	LAMP TYPE	400W METAL HALIDE
	LAMP LUMENS	44,000
	IES VERTICAL DISTRIBUTION	MEDIUM
	IES CONTROL OF DISTRIBUTION	FULL CUTOFF
	IES LATERAL DISTRIBUTION	TYPE III
	TOTAL LIGHT LOSS FACTOR	0.50
LAYOUT DATA:	SPACING	200 FT
	CONFIGURATION	OPPOSITE WITH MEDIAN
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LINE	4.5 FT

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED IES DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE.

ILLUMINATION:	AVERAGE HORIZONTAL ILLUMINATION, (EAVE)	1.3 fc
	UNIFORMITY RATIO, (EAVE/EMIN)	3.0
LUMINANCE:	AVERAGE LUMINANCE: (LAVE)	0.9 Cd/m2
	UNIFORMITY RATIOS: (LAVE/LMIN)	3.0
	(LMAX/LMIN)	5.0
	MAXIMUM VEILING LUMINANCE RATIO: (LV/LAVE)	0.3

ROADWAY LIGHTING (ALPINE ROAD TO MULFORD ROAD)

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

ROADWAY DATA:	PAVEMENT WIDTHS	24 FT
	NUMBER OF LANES	2
	MEDIAN WIDTH	18 FT
	IES SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	0.07
LIGHT POLE DATA:	MOUNTING HEIGHT	40 FT
	MAST ARM LENGTH	10 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	5.5 FT
LUMINAIRE DATA:	LAMP TYPE	400W METAL HALIDE
	LAMP LUMENS	44,000
	IES VERTICAL DISTRIBUTION	MEDIUM
	IES CONTROL OF DISTRIBUTION	FULL CUTOFF
	IES LATERAL DISTRIBUTION	TYPE III
	TOTAL LIGHT LOSS FACTOR	0.50
LAYOUT DATA:	SPACING	175 FT
	CONFIGURATION	OPPOSITE WITH MEDIAN
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LINE	4.5 FT

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED IES DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE.

ILLUMINATION:	AVERAGE HORIZONTAL ILLUMINATION, (EAVE)	1.3 fc
	UNIFORMITY RATIO, (EAVE/EMIN)	3.0
LUMINANCE:	AVERAGE LUMINANCE: (LAVE)	0.9 Cd/m2
	UNIFORMITY RATIOS: (LAVE/LMIN)	3.0
	(LMAX/LMIN)	5.0
	MAXIMUM VEILING LUMINANCE RATIO: (LV/LAVE)	0.3

BIKE PATH LIGHTING

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE

GIVEN CONDITIONS

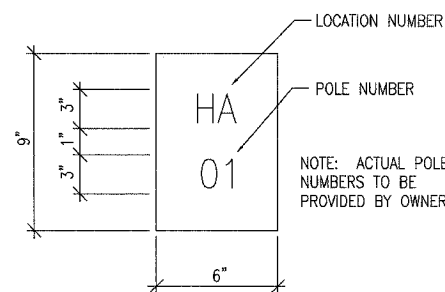
ROADWAY DATA:	PAVEMENT WIDTHS	10 FT
	NUMBER OF LANES	1
	MEDIAN WIDTH	0 FT
	IES SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	0.07
LIGHT POLE DATA:	MOUNTING HEIGHT	16 FT
	MAST ARM LENGTH	6 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	2.5 FT
LUMINAIRE DATA:	LAMP TYPE	150W METAL HALIDE
	LAMP LUMENS	14,000
	IES VERTICAL DISTRIBUTION	MEDIUM
	IES CONTROL OF DISTRIBUTION	FULL CUTOFF
	IES LATERAL DISTRIBUTION	TYPE II
	TOTAL LIGHT LOSS FACTOR	0.50
LAYOUT DATA:	SPACING	200 FT
	CONFIGURATION	SINGLE SIDED
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LINE	3.5 FT

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED IES DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE.

ILLUMINATION:	AVERAGE HORIZONTAL ILLUMINATION, (EAVE)	0.5 fc
	UNIFORMITY RATIO, (EAVE/EMIN)	4.0
LUMINANCE:	AVERAGE LUMINANCE: (LAVE)	
	UNIFORMITY RATIOS: (LAVE/LMIN)	
	(LMAX/LMIN)	
	MAXIMUM VEILING LUMINANCE RATIO: (LV/LAVE)	



THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION ON EACH NEW LIGHT POLE, AS SHOWN ABOVE, COST INCLUDED IN THE RESPECTIVE LIGHT POLE PAY ITEM. THE NUMERALS SHALL BE 3 IN. SERIES "D", BLACK, SCREENED ON SILVER-WHITE TYPE B PRESSURE SENSITIVE REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF SECTION T602.01 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. THE NUMERALS SHALL CONFORM TO THE FHWA "STANDARD ALPHABETS FOR HIGHWAY SIGNS".

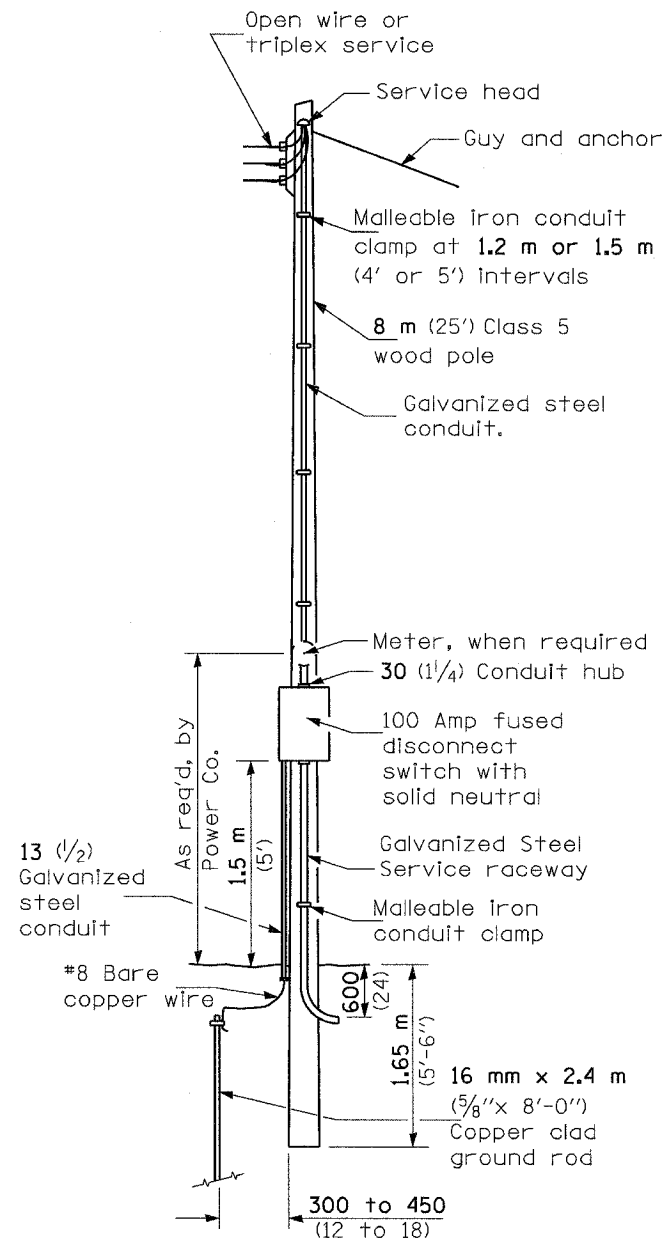
THE LIGHT POLE IDENTIFICATION SHALL BE APPLIED TO SIGN BASE MATERIAL AS SPECIFIED IN SECTION 1069.02 OF THE STANDARD SPECIFICATIONS, APPROXIMATELY 7 FT. ABOVE THE ADJACENT PAVEMENT GRADE VISIBLE TO APPROACHING TRAFFIC IN ACCORDANCE WITH HIGHWAY STANDARD 720001.

LIGHT POLE IDENTIFICATION DETAIL

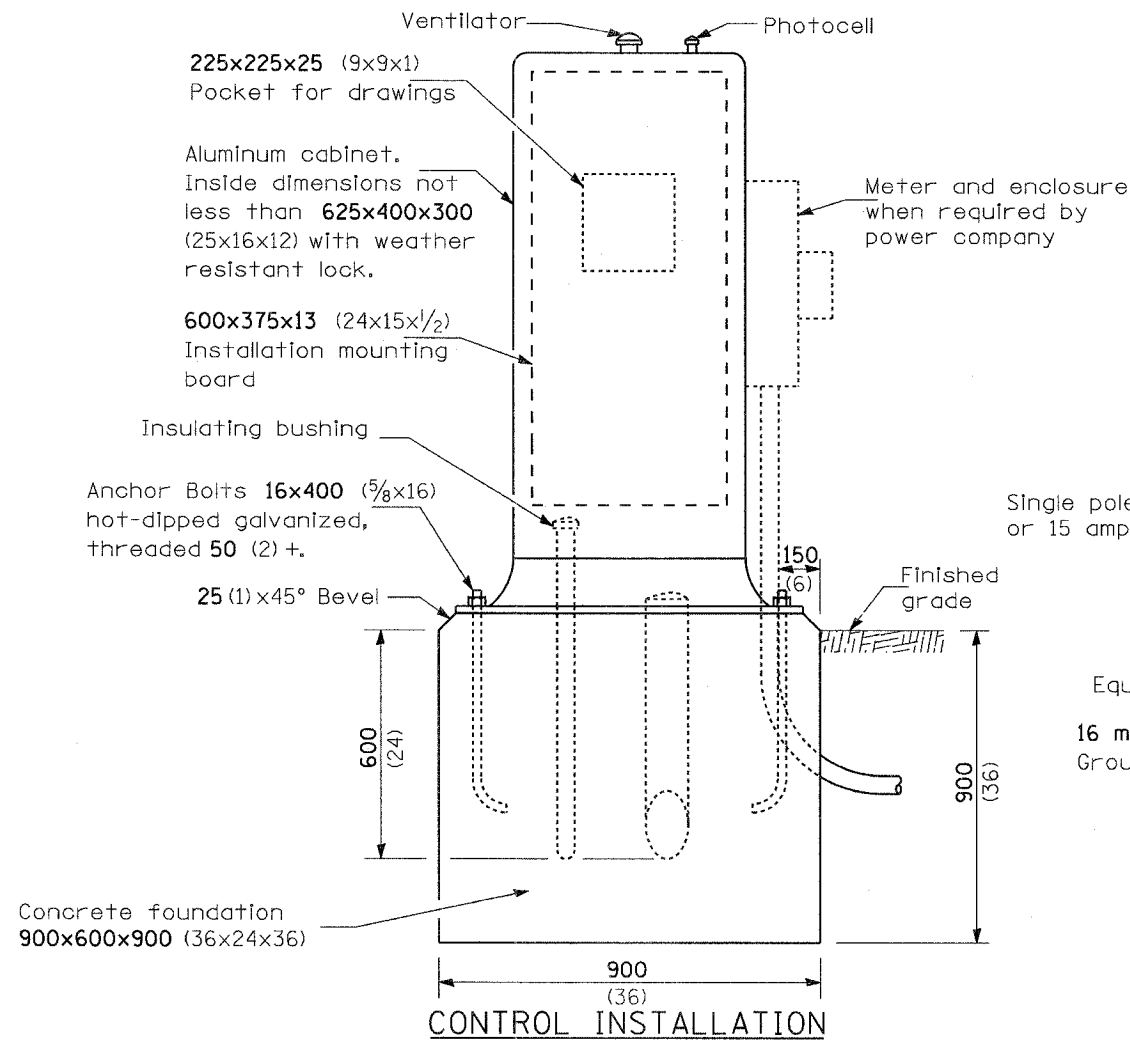
SCALE: NONE

BYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

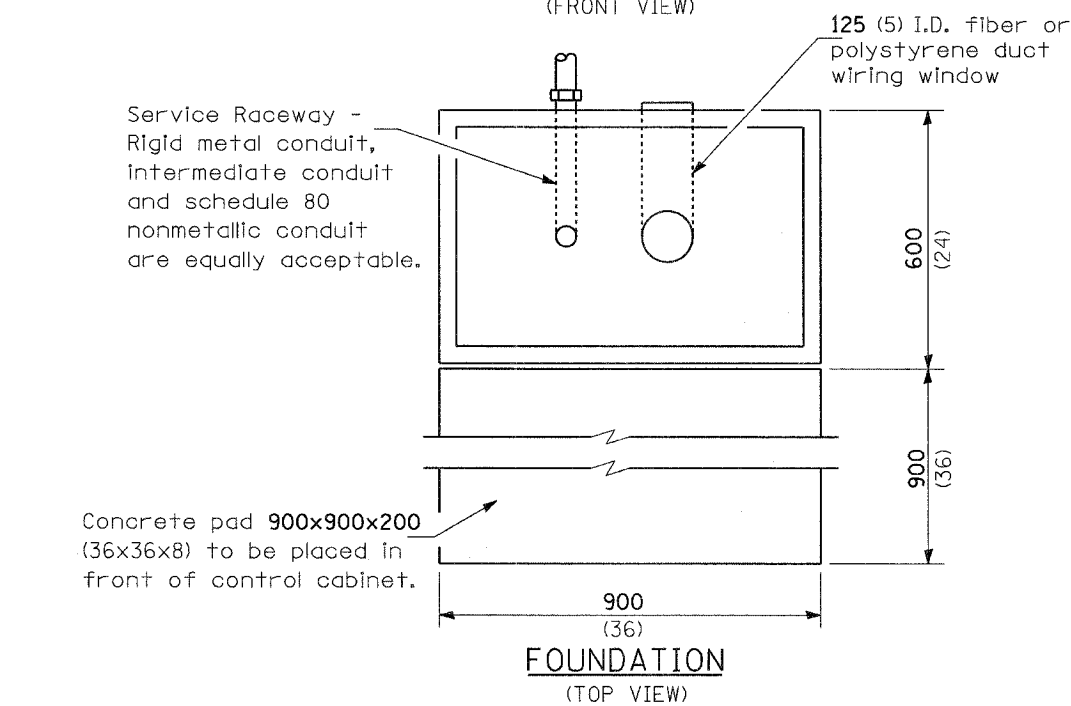
- A Selector switch
- B 2 Pole 100 amp contactor
- C 2 Pole 100 amp service disconnect
- D,E,F 2 Pole 30 amp breakers
- G Photocell w/integral surge arrester



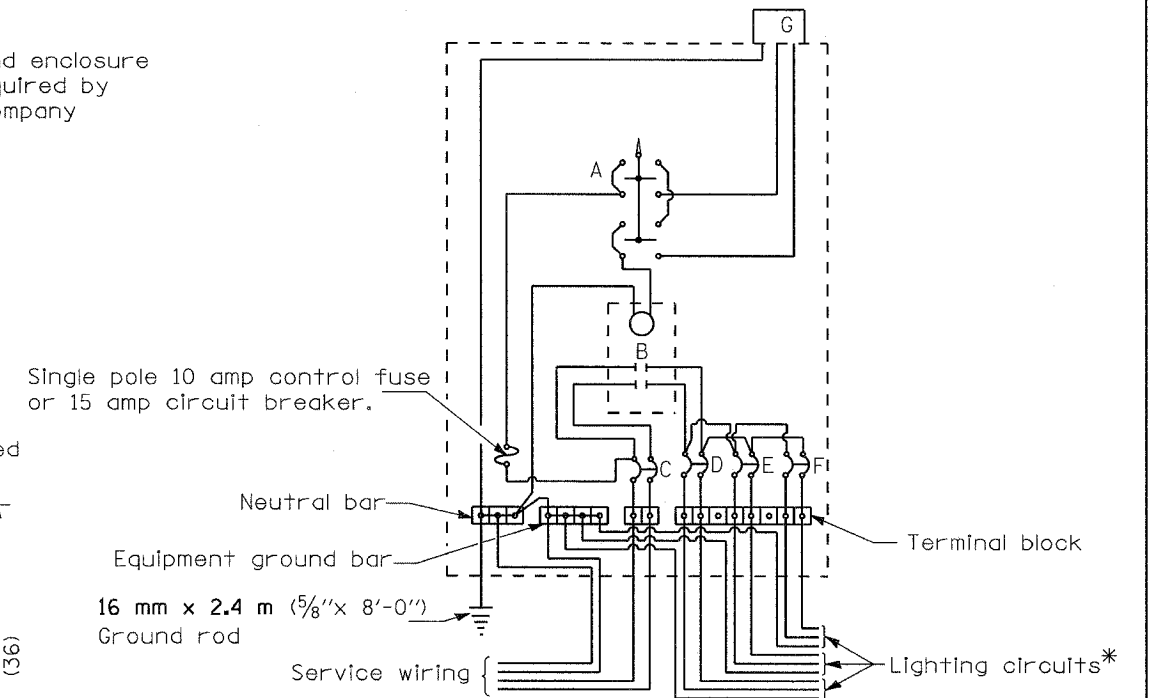
SERVICE POLE



CONTROL INSTALLATION (FRONT VIEW)



FOUNDATION (TOP VIEW)



WIRING DIAGRAM

* Provide number of circuits as shown on lighting plans and in accordance with Section 1068.01 of the Standard Specifications.

GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

The underground service entrance wiring shall not exceed 46 m (150'). Total aerial and underground service between the control installation and primary transformer shall not exceed 76 m (250').

Raceways shall terminate 75 (3) above top of concrete foundation.

For 480 V. systems, a 480/120 V. control transformer will be required.

All dimensions are in millimeters unless otherwise shown.

- 240 V. SERVICE
- ☒ 480 V. SERVICE

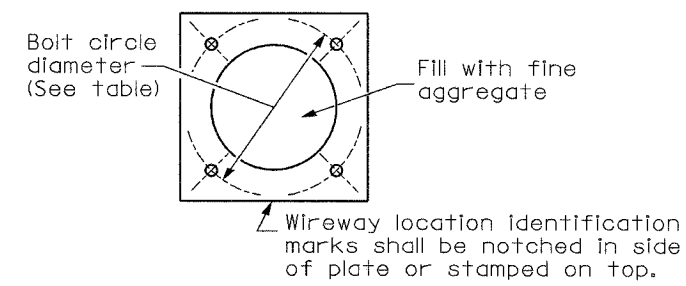
DATE	REVISIONS

**CONTROL INSTALLATION
TYPE CB-RCS-100**

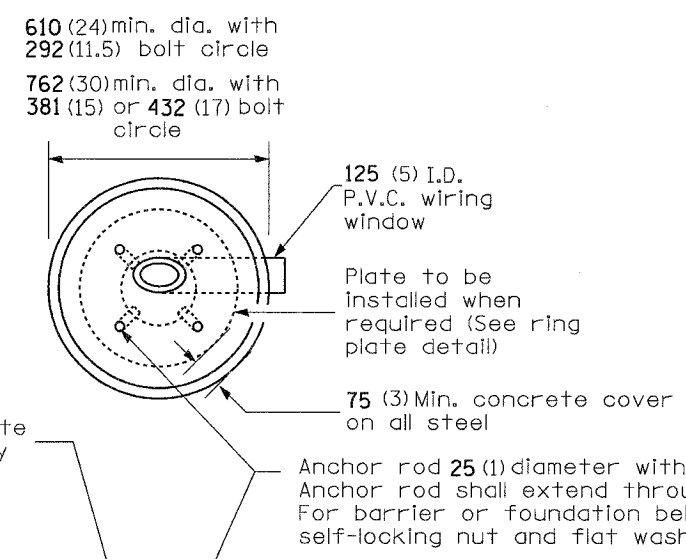
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ①
<9.1 m (30')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 (15) ③	220 (8 5/8)	2.44 m (8')	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	2.13m (7'-0")	2.00 m (6'-9")

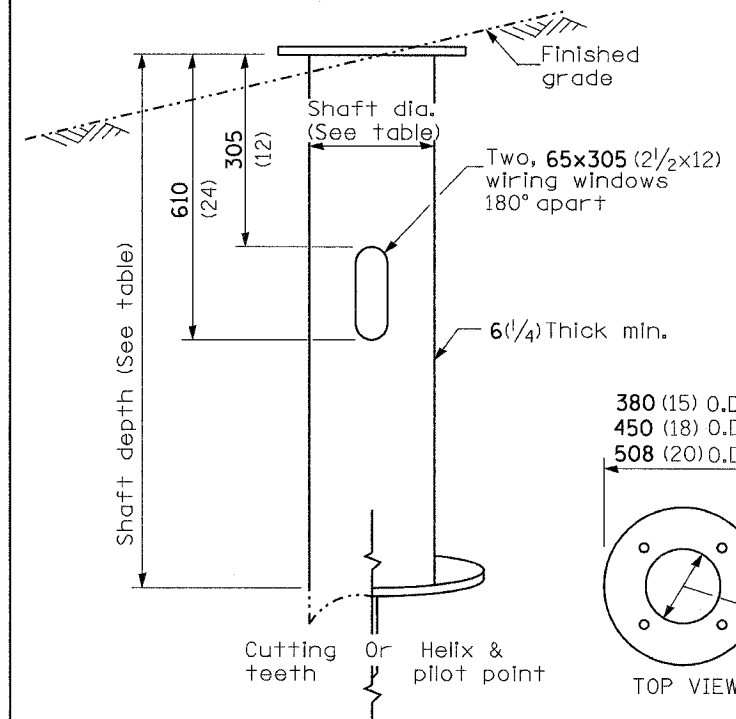
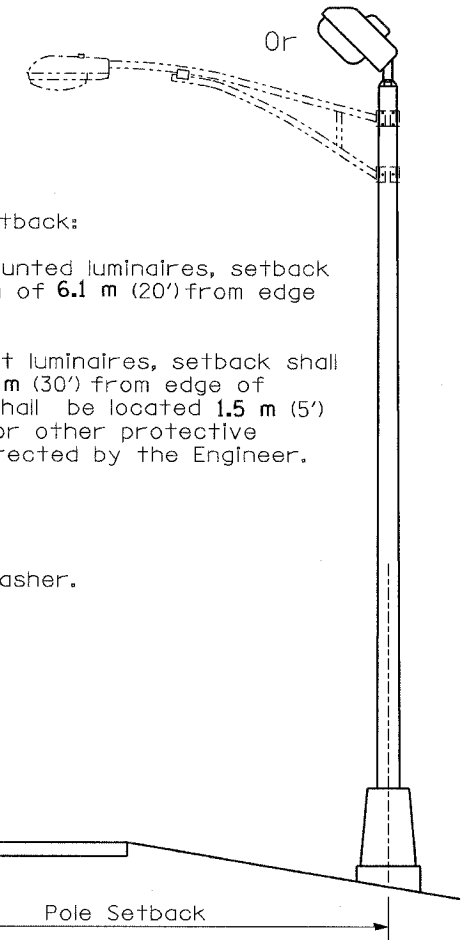
- ① Length does not include 100(4)hook
- ② 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires
- ③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used



Length above foundation shall be adjusted to accommodate breakaway devices furnished by the contractor for a specific installation.

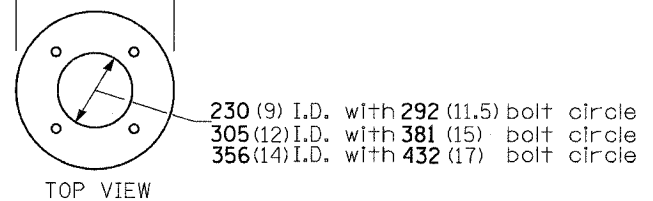
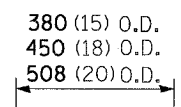


Pole Foundation Setback:
 For horizontal mounted luminaires, setback shall be a minimum of 6.1 m (20') from edge of pavement.
 For vertical mount luminaires, setback shall be a minimum of 9 m (30') from edge of pavement. Poles shall be located 1.5 m (5') behind guardrail or other protective barriers, or as directed by the Engineer.



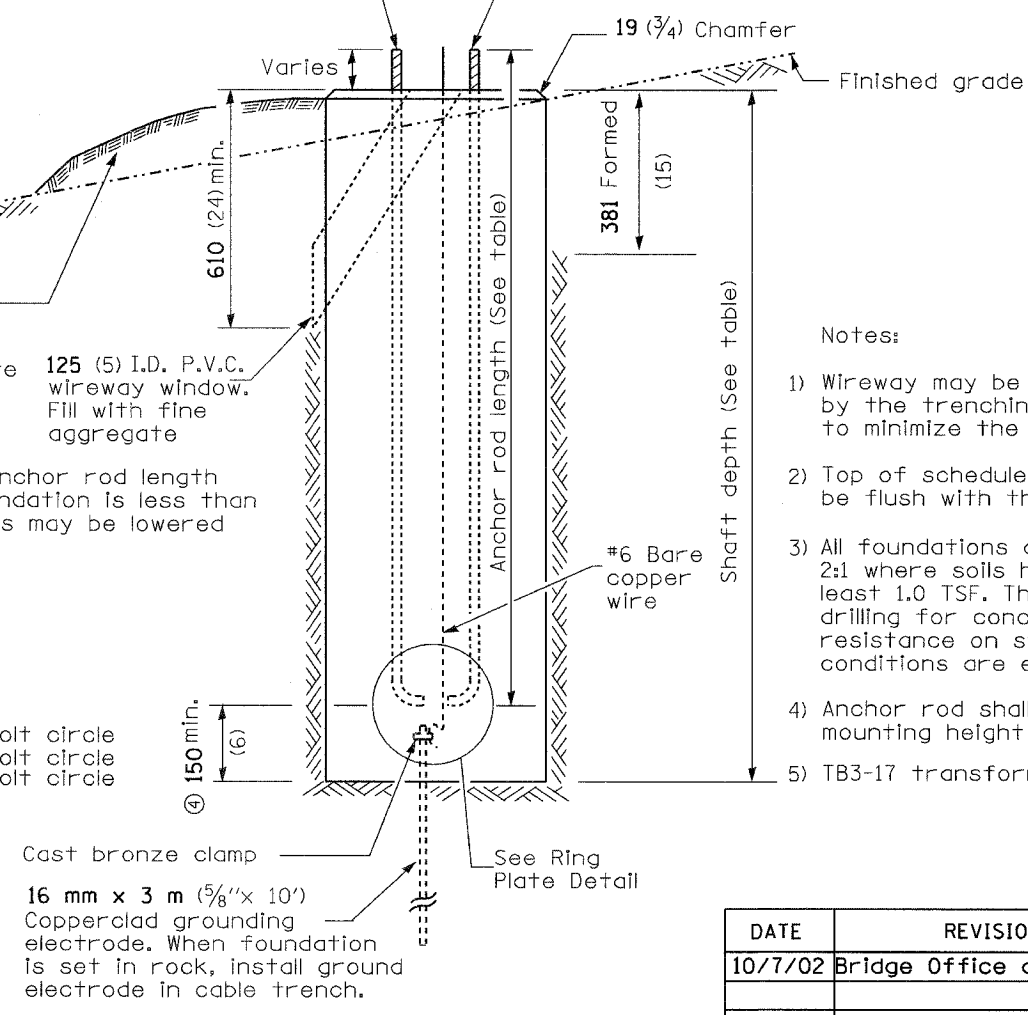
Use dirt removed from foundation to meet 1.52m (5 ft.) chord fill around foundation top. Grade dirt level with bottom of concrete chamfer.

- ④ If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).



STEEL FOUNDATION

RING PLATE DETAIL
 (When rock is encountered and foundation is shallower)



Notes:

- 1) Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
- 2) Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
- 3) All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
- 4) Anchor rod shall be increased to 31 (1 1/4) diameter for 15.24 (50') mounting height or above.
- 5) TB3-17 transformer base is not to be used on metal foundation

All dimensions are in millimeters (inches) unless otherwise shown.

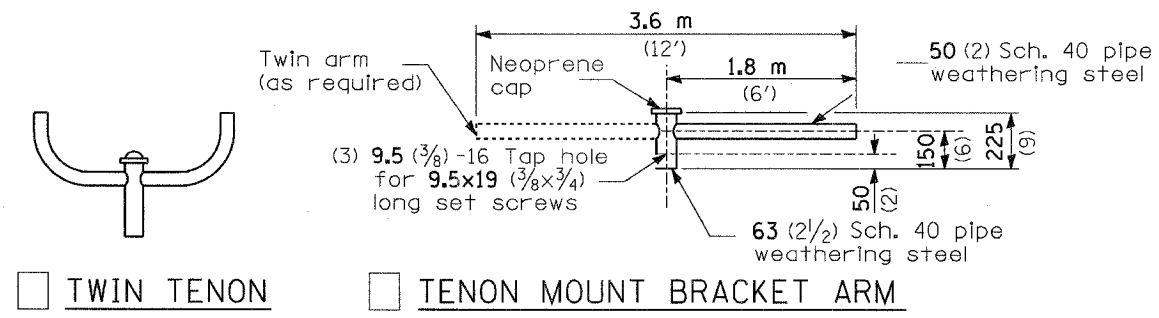
CONCRETE FOUNDATION

DATE	REVISIONS
10/7/02	Bridge Office depth calc.

LIGHT POLE FOUNDATION

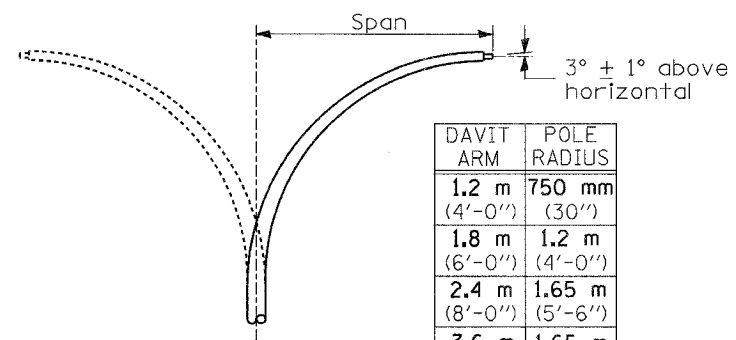
LGT007-836

BYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B25	06-00520-01-LT	WINNEBAGO	41	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



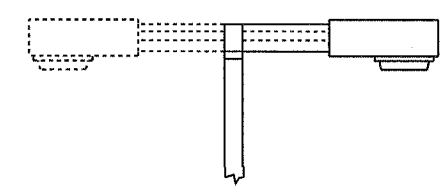
TWIN TENON TENON MOUNT BRACKET ARM

NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.

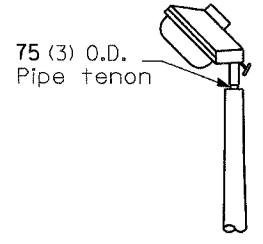


DAVIT ARM
 DAVIT ARM-TWIN

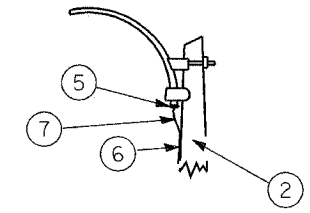
DAVIT ARM	POLE RADIUS
1.2 m (4'-0")	750 mm (30")
1.8 m (6'-0")	1.2 m (4'-0")
2.4 m (8'-0")	1.65 m (5'-6")
3.6 m (12'-0")	1.65 m (5'-6")



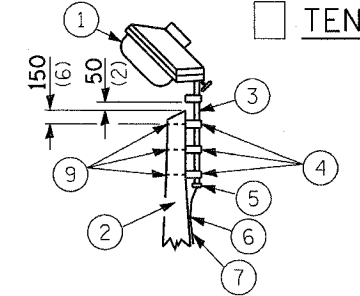
SHORT BRACKET



TENON



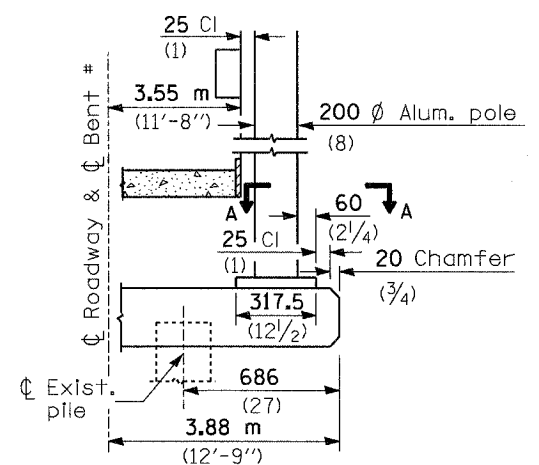
MAST ARM



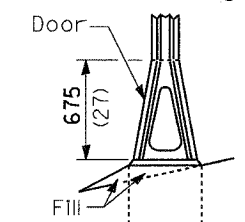
TENON

SHORT BRACKET - TWIN

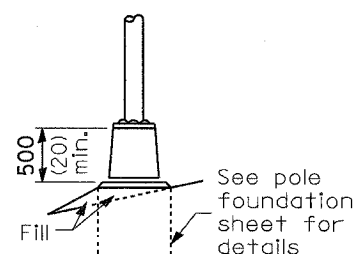
- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type use cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) ∅ hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



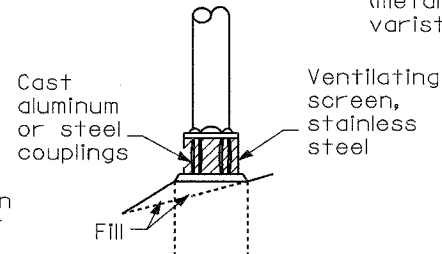
BENT # (Looking)



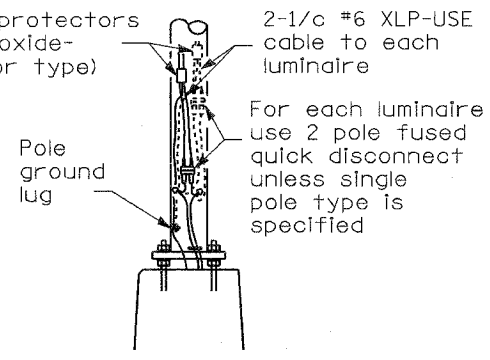
STAINLESS STEEL FLAIR BASE



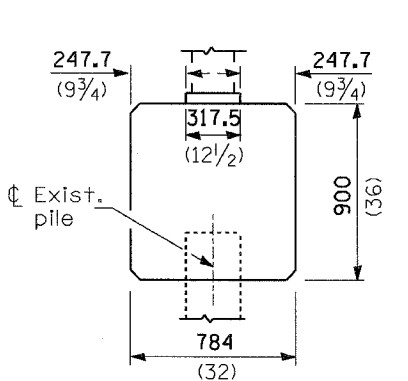
TRANSFORMER BASE



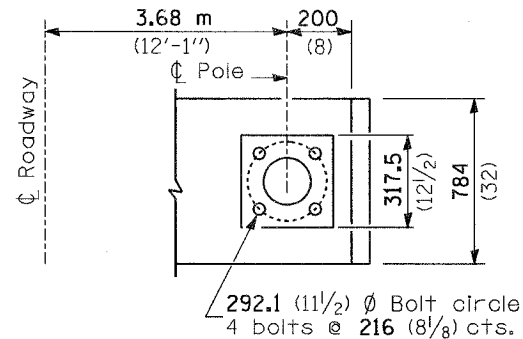
BREAKAWAY COUPLING



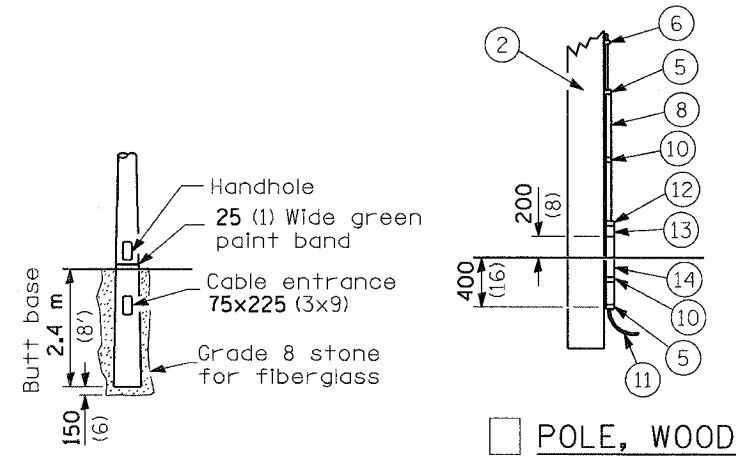
ANCHOR



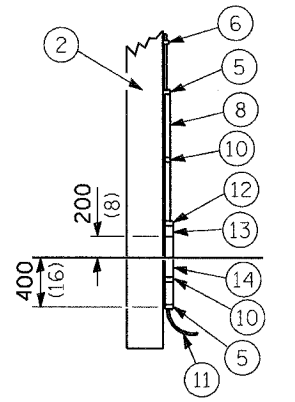
BRIDGE PIER MOUNT



SECTION A-A



BUTT BASE



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

All dimensions are in millimeters (inches) unless otherwise shown.

FRANGIBLE

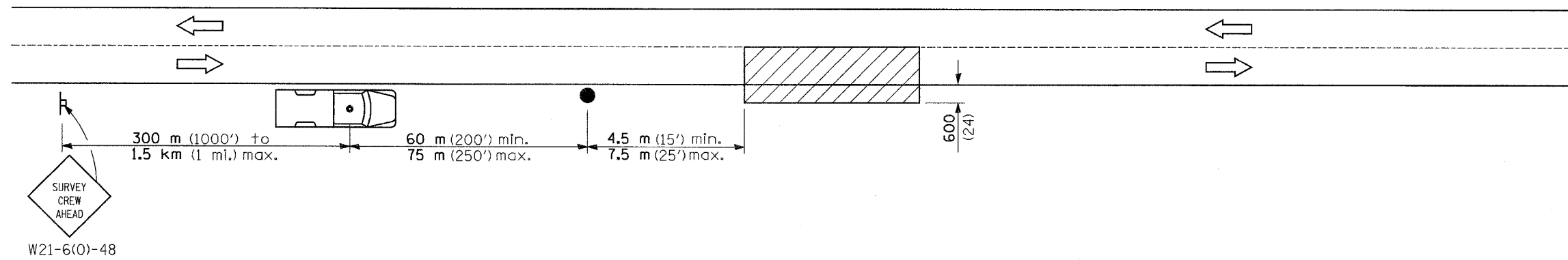
METAL OR CONCRETE

Details for underground distribution if required

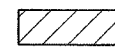
DATE	REVISIONS

POLE STANDARDS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	39
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SYMBOLS



Work area



Sign on portable or permanent support



Truck with flashing amber light and dual emergency flashers



Flagger with traffic control sign

TYPICAL APPLICATIONS

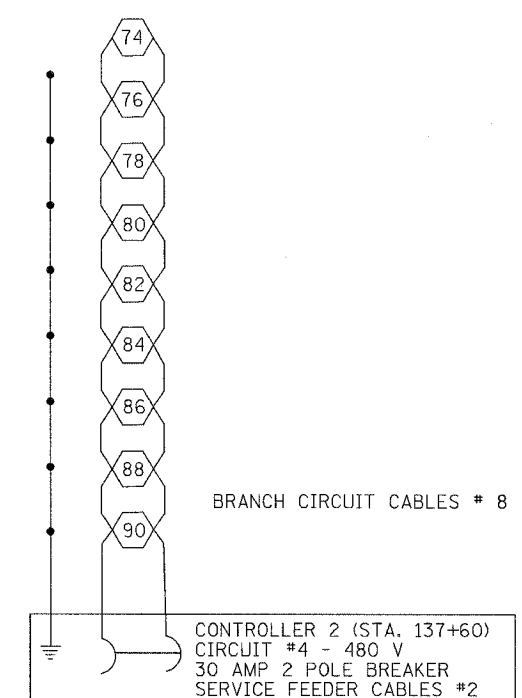
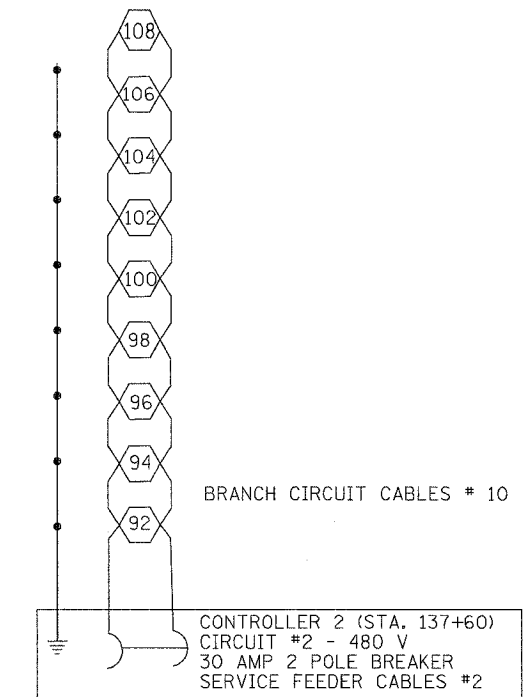
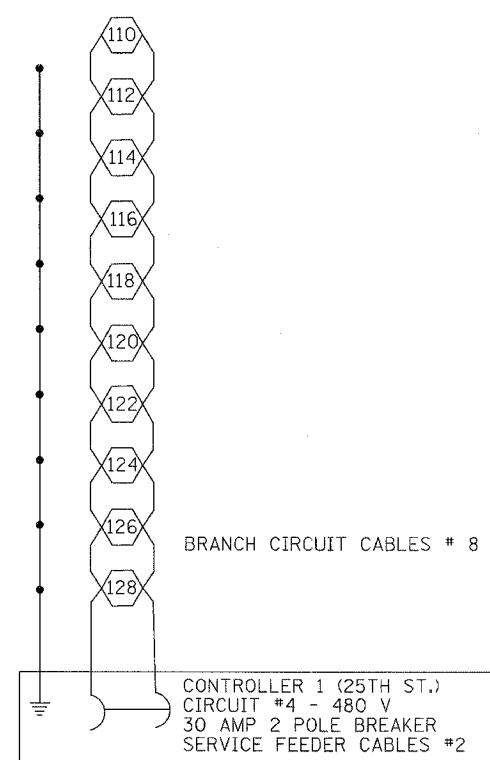
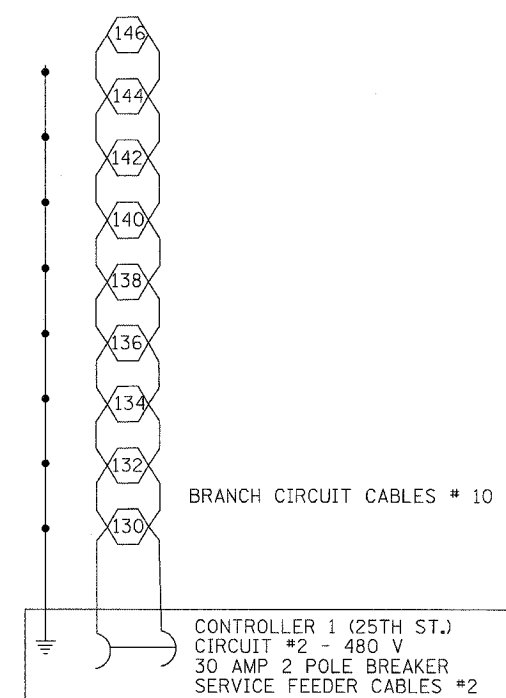
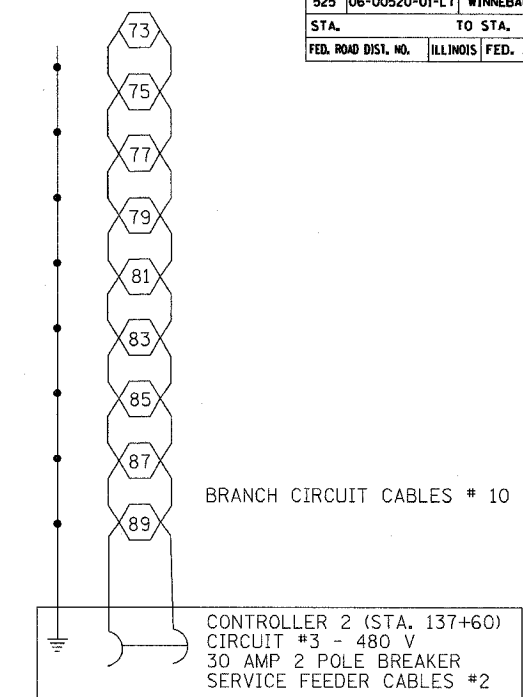
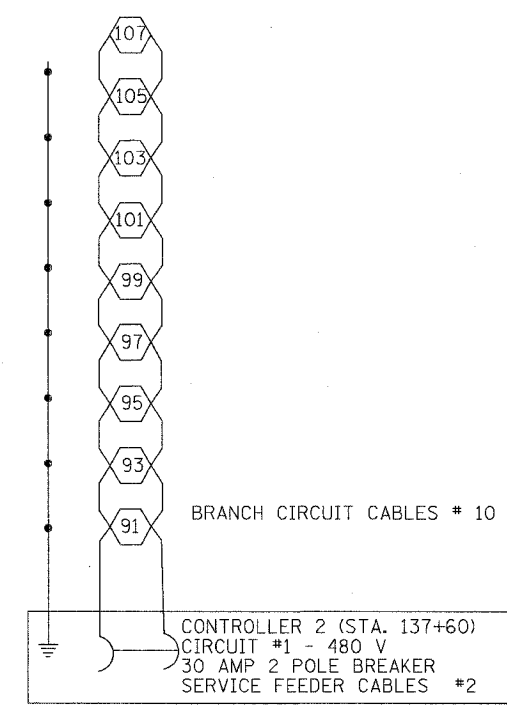
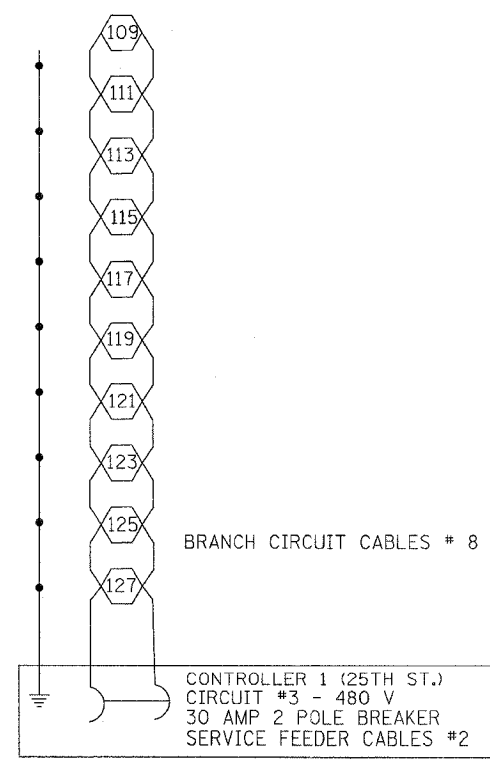
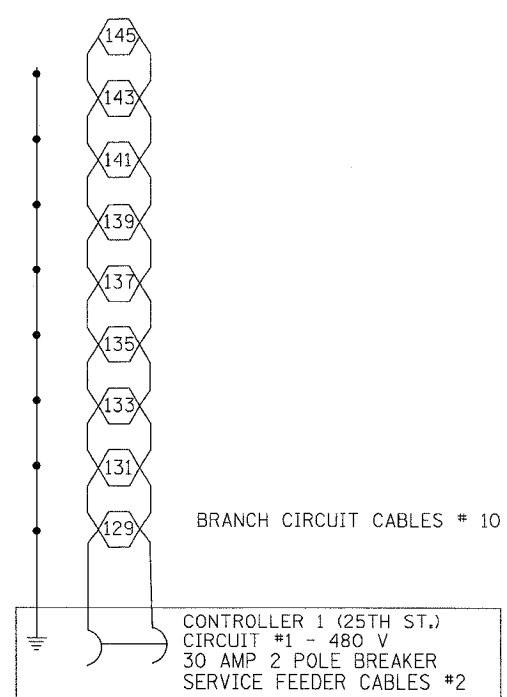
Utility operations

All dimensions are in millimeters (inches) unless otherwise shown.

DATE	REVISIONS

DETAIL FOR
NIGHTTIME LIGHTING
INSPECTION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



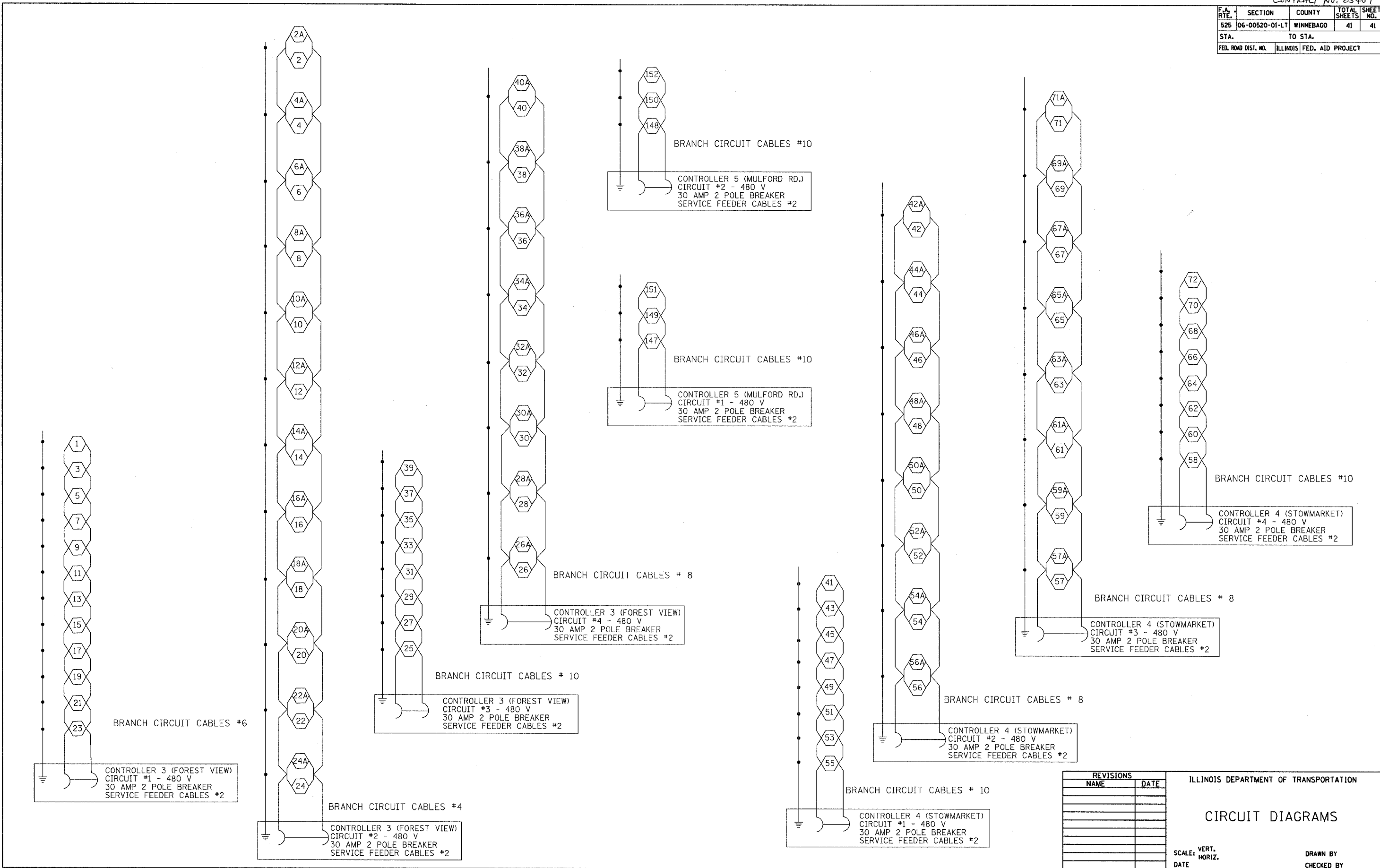
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CIRCUIT DIAGRAMS

SCALE: VERT. DATE DRAWN BY CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	06-00520-01-LT	WINNEBAGO	41	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CIRCUIT DIAGRAMS

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE