

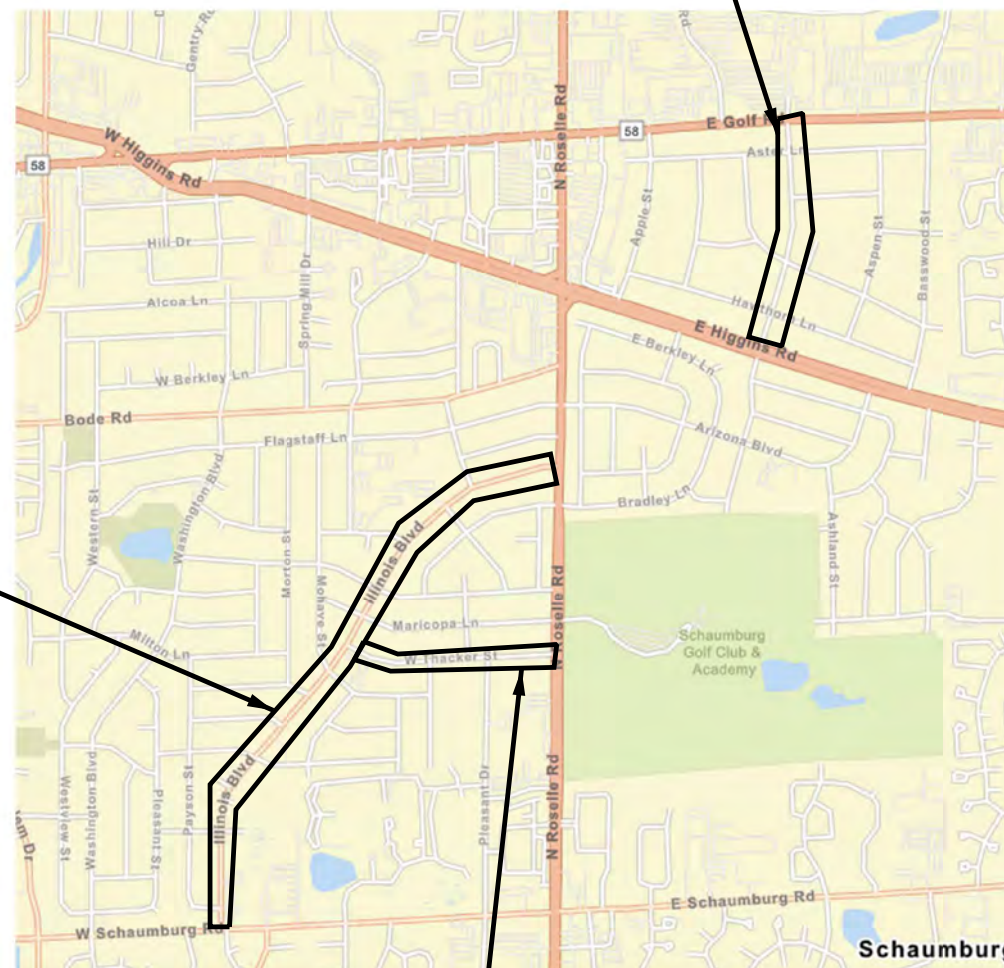
COLLECTOR STREET LIGHTING IMPROVEMENTS ASH RD, ILLINOIS BLVD, AND THACKER ST VILLAGE OF HOFFMAN ESTATES

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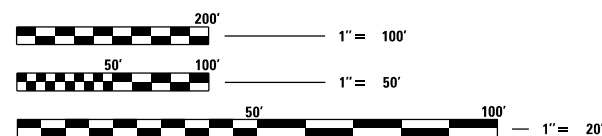
PROJECT LOCATION MAP



ASH ROAD BETWEEN
HIGGINS ROAD AND
GOLF ROAD

ILLINOIS BOULEVARD BETWEEN
SCHAUMBURG ROAD AND
ROSELLE ROAD

THACKER STREET BETWEEN
ILLINOIS BOULEVARD AND
ROSELLE ROAD



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

CONTACT INFORMATION	
J.U.L.I.E.	800.892.0123
Hoffman Estates	
Public Works	847.490.6800
Police	847.781.2800
Fire	847.843.4825
Emergency	911

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Katrina Lopez

DATE: 10/20/2023
SEAL EXPIRES: 11/30/2023



8725 W. Higgins Road, Suite 600, Chicago, IL 60631 | 773.775.4009 | www.ciorba.com
DESIGN FIRM REGISTRATION NUMBER: 184-001016

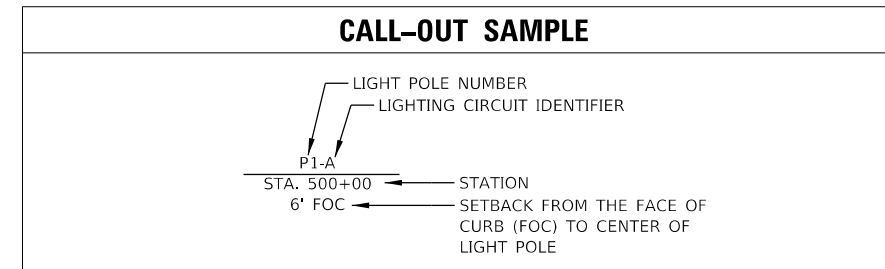
COLLECTOR STREET LIGHTING IMPROVEMENTS

OCTOBER 20, 2023

SHEET 1 OF 24

LIGHTING GENERAL NOTES

- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BASED ON UTILITY/JULIE MARKINGS PRIOR TO BEGINNING CONSTRUCTION.
- THE LOCATIONS OF EXISTING LIGHTING FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS.
- BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES THE CONTRACTOR SHALL CALL ELECTRIC UTILITY COMPANY FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS:
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PREPARED BY IDOT, ALSO REFERRED TO AS THE "STANDARD SPECIFICATIONS"
 - NATIONAL ELECTRIC CODE (NEC)
 - LOCAL CODES AND STANDARDS
 - COM ED STANDARDS
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTHS FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER THE CURRENT AMERICAN DISABILITIES ACT (ADA) REQUIREMENTS AND COMPLY WITH IDOT BDE CHAPTER 17-4.03.
- NO LIGHT POLE SHALL BE ERECTED UNTIL THE CONCRETE FOUNDATION HAS CURED PER ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS, AS REQUIRED.
- THE CONTRACTOR SHALL INSTALL LUMINAIRES LEVEL WITH OPTICS SET PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY OR SIDEWALK/PATHWAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH FINISH GRADE.
- ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- UNDERGROUND CABLES SHALL BE DISCONNECTED AND REMOVED FROM CONDUITS TO BE ABANDONED.
- UNDERGROUND CONDUITS TO BE ABANDONED SHALL BE REMOVED TO A MINIMUM OF 2 FT BELOW GRADE.
- CONTRACTOR SHALL USE METAL FOUNDATIONS WHEREVER POSSIBLE. IF UTILITIES PROHIBIT THE USE OF A METAL FOUNDATION, THAN A CONCRETE OFFSET FOUNDATION SHALL BE USED INSTEAD. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT TREES AS DIRECTED BY THE ENGINEER WITHIN AND ADJACENT TO THE CONSTRUCTION SITE DURING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS THROUGHOUT THE RECONSTRUCTION LIMITS AT ALL TIMES. IF DRIVEWAY ACCESS MUST BE RESTRICTED, THE CONTRACTOR SHALL NOTIFY THE VILLAGE IN WRITING 72 HOURS IN ADVANCE.
- EMERGENCY VEHICLES SHALL HAVE ACCESS ALONG ALL COLLECTOR STREETS AT ALL TIMES.
- AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL BACKFILL OR COVER ALL OPEN EXCAVATIONS TO PROVIDE PROTECTION FOR THE PUBLIC DURING NON-WORKING HOURS.
- CONTRACTOR MAY OBTAIN A VILLAGE WATER METER FOR FREE WATER USAGE ON THIS JOB. THE WATER METER CAN BE OBTAINED BY VILLAGE PUBLIC WORKS DEPARTMENT FOR A \$775 FEE DEPOSIT.
- RESTORATION QUANTITIES PROVIDED ARE BASED ON UTILITY ATLAS INFORMATION RECEIVED DURING DESIGN. CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CONFLICTS AND NOTIFY THE VILLAGE AND ENGINEER OF ANY DISCREPANCIES IN QUANTITIES BASED ON UTILITY CONFLICTS ENCOUNTERED DURING CONSTRUCTION.



SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL QUANTITIES
20101100	TREE TRUNK PROTECTION	EACH	16
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	8
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	3
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	15
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	15
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	15
20101700	SUPPLEMENTAL WATERING	UNIT	2
20800150	TRENCH BACKFILL	CU YD	56
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	801
25000100	SEEDING, CLASS 1	ACRE	1
25100630	EROSION CONTROL BLANKET	SQ YD	801
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	238
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	43
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	688
42400800	DETECTABLE WARNINGS	SQ FT	198
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	468
44000600	SIDEWALK REMOVAL	SQ FT	688
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	48
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	468
67100100	MOBILIZATION	L SUM	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	1205
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	180
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	3
81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	846
81603096	UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2198
81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	9408
81603105	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	707
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	873
82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	64
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	2
83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	64
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6"	EACH	63
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	4
84200804	REMOVAL OF POLE FOUNDATION	EACH	4
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2379
XX006766	GFI RECEPTACLE BOX, 120V	EACH	1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X8210405	LUMINAIRE SHIELD	EACH	15
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	18
XX003338	TEST HOLE	EACH	55
Z0033026	MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE	L SUM	1

LIGHTING LEGEND

	INSTALL LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F ON A LIGHT POLE FOUNDATION, METAL, 11.5 INCH BOLT CIRCLE
	PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP
	PROPOSED COMPOSITE CONCRETE HANDHOLE
	GFI RECEPTACLE BOX
	PROPOSED ELECTRICAL CABLE IN CONDUIT (SIZE AS NOTED ON PLANS)
	PROPOSED RGS CONDUIT SLEEVE
	EXISTING LED LUMINAIRE MOUNTED 25 FT. M.H. ON A 8 FT. MAST ARM ON A SPUN ALUMINUM LIGHT POLE OWNED AND MAINTAINED BY THE VILLAGE OF HOFFMAN ESTATES
	EXISTING ELECTRICAL CABLE IN CONDUIT TO REMAIN
	EXISTING ELECTRICAL CABLE IN CONDUIT TO BE REMOVED (SEE NOTES 10 & 11)
	EXISTING COUNTY (C), IDOT (I), OR SCHAUMBURG (S) OWNED AND MAINTAINED LIGHT POLE TO REMAIN

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CP	CONTROL POINT
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GALV	GALVANIZED
GND	GROUND
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
MA	MAST ARM
MC	MULTI-CONDUCTOR
M.H.	MOUNTING HEIGHT
MW	MESSANGER WIRE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED STEEL
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS OTHERWISE NOTED
WP	WOOD POLE
XFMR	TRANSFORMER
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

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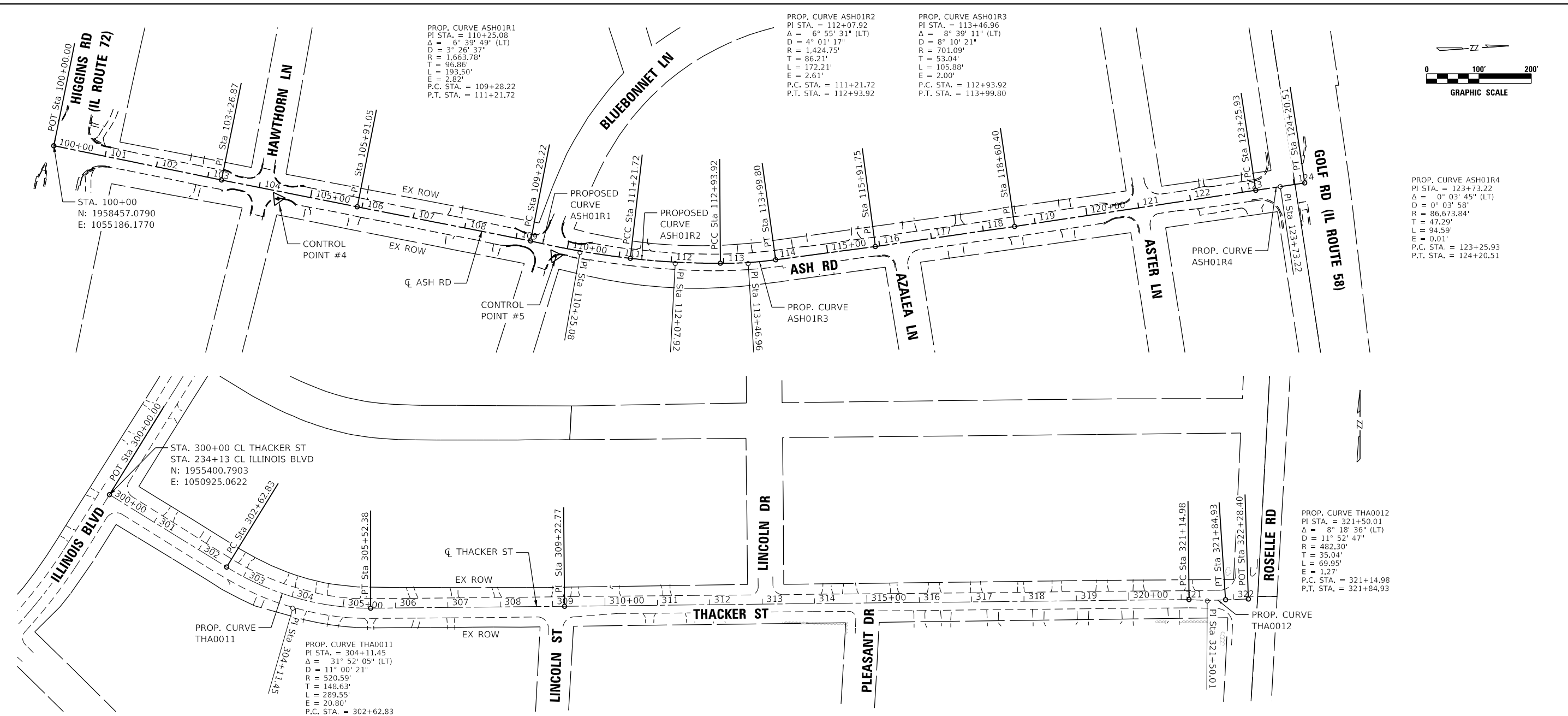
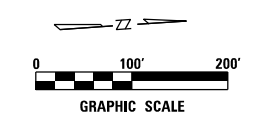
VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING GENERAL NOTES AND LEGEND

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

N/A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	COOK	24	2
CONTRACT NO.			N/A	

ILLINOIS FED. AID PROJECT



PROP. CURVE ASH01R1
 PI STA. = 110+25.08
 $\Delta = 6^\circ 39' 49''$ (LT)
 $D = 3^\circ 26' 37''$
 $R = 1,663.78'$
 $T = 96.86'$
 $L = 193.50'$
 $P.C. STA. = 109+28.22$
 $P.T. STA. = 111+21.72$

PROP. CURVE ASH01R2
 PI STA. = 112+07.92
 $\Delta = 6^\circ 55' 31''$ (LT)
 $D = 4^\circ 01' 17''$
 $R = 1,424.75'$
 $T = 86.21'$
 $L = 172.21'$
 $E = 2.61'$
 $P.C. STA. = 111+21.72$
 $P.T. STA. = 112+93.92$

PROP. CURVE ASH01R3
 PI STA. = 113+46.96
 $\Delta = 8^\circ 39' 11''$ (LT)
 $D = 8^\circ 10' 21''$
 $R = 701.09'$
 $T = 53.04'$
 $L = 105.88'$
 $E = 2.00'$
 $P.C. STA. = 112+93.92$
 $P.T. STA. = 113+99.80$

PROP. CURVE ASH01R4
 PI STA. = 123+73.22
 $\Delta = 0^\circ 03' 45''$ (LT)
 $D = 0^\circ 03' 58''$
 $R = 86,673.84'$
 $T = 47.29'$
 $L = 94.59'$
 $E = 0.01'$
 $P.C. STA. = 123+25.93$
 $P.T. STA. = 124+20.51$

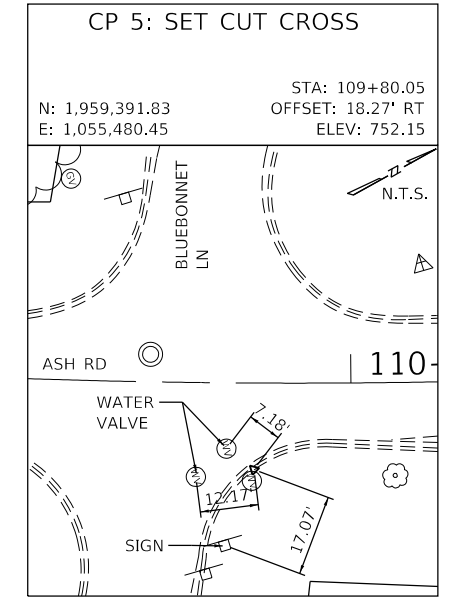
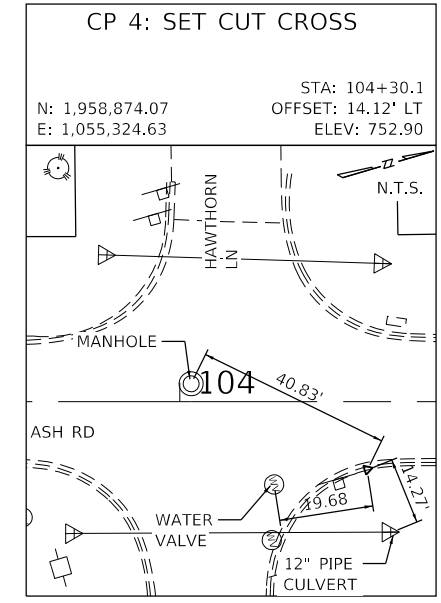
PROP. CURVE THA0012
 PI STA. = 321+50.01
 $\Delta = 8^\circ 18' 36''$ (LT)
 $D = 11^\circ 52' 47''$
 $R = 482.30'$
 $T = 35.04'$
 $L = 69.95'$
 $E = 1.27'$
 $P.C. STA. = 321+14.98$
 $P.T. STA. = 321+84.93$

PROP. CURVE THA0011
 PI STA. = 304+11.45
 $\Delta = 31^\circ 52' 05''$ (LT)
 $D = 11^\circ 00' 21''$
 $R = 520.59'$
 $T = 148.63'$
 $L = 289.55'$
 $E = 20.80'$
 $P.C. STA. = 302+62.83$
 $P.T. STA. = 305+52.38$

NOTES:

1. ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS.
2. ELEVATIONS REFLECT THE NAVD 88 DATUM.

HORIZONTAL CONTROL POINTS				
POINT	NORTHING	EASTING	DESCRIPTION	STATION
CP4	1,958,874.07	1,055,324.63	SET CUT CROSS	NA
CP5	1,959,391.83	1,055,480.45	SET CUT CROSS	NA



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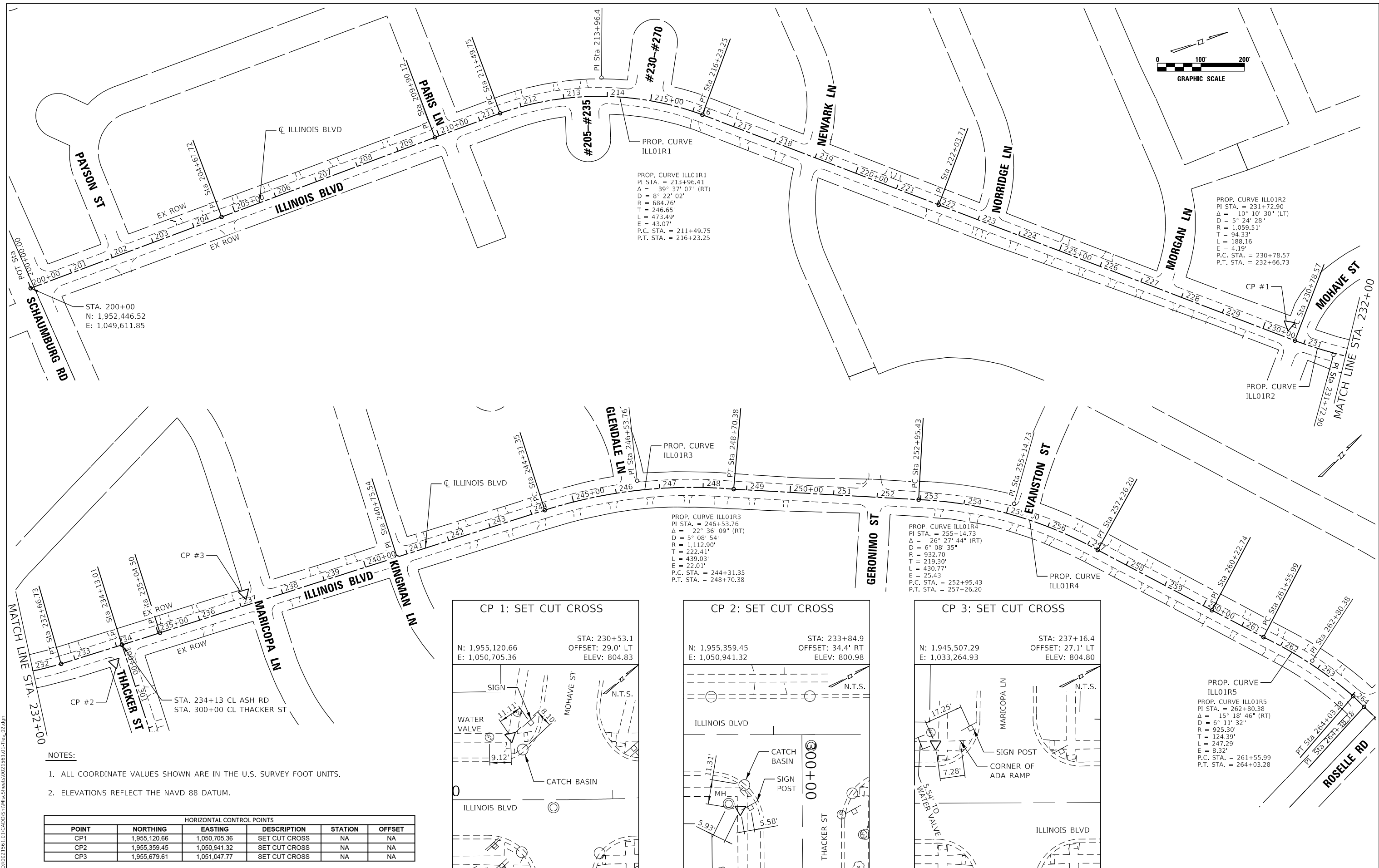
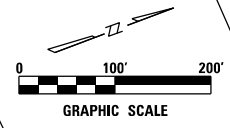
VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING ALIGNMENT AND TIES

SCALE: 1" = 100' SHEET 1 OF 2 SHEETS STA. TO STA.

N/A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	3
CONTRACT NO.			N/A	

ILLINOIS FED. AID PROJECT



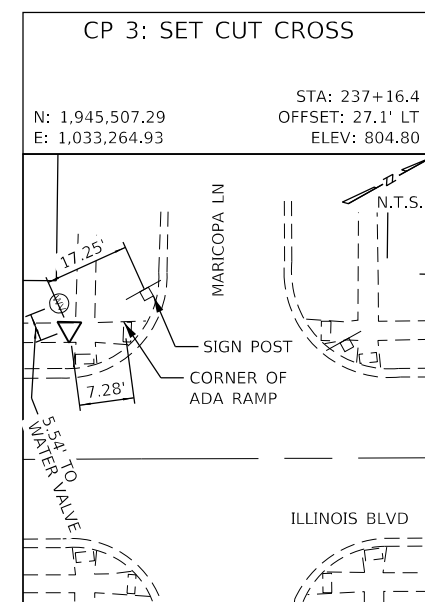
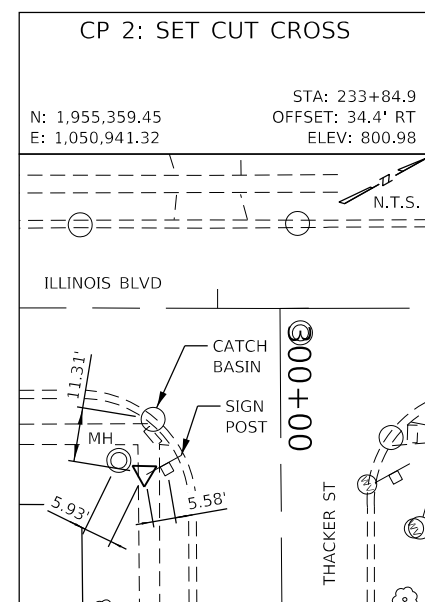
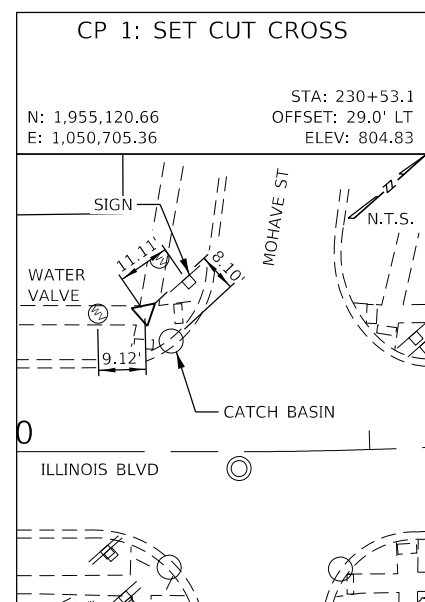
PROP. CURVE ILL01R1
 PI STA. = 213+96.41
 $\Delta = 39^\circ 37' 07''$ (RT)
 $D = 8^\circ 22' 02''$
 $R = 684.76'$
 $T = 246.65'$
 $L = 473.49'$
 $E = 43.07'$
 P.C. STA. = 211+49.75
 P.T. STA. = 216+23.25

PROP. CURVE ILL01R2
 PI STA. = 231+72.90
 $\Delta = 10^\circ 10' 30''$ (LT)
 $D = 5^\circ 24' 28''$
 $R = 1,059.51'$
 $T = 94.33'$
 $L = 188.16'$
 $E = 4.19'$
 P.C. STA. = 230+78.57
 P.T. STA. = 232+66.73

PROP. CURVE ILL01R3
 PI STA. = 246+53.76
 $\Delta = 22^\circ 36' 09''$ (RT)
 $D = 5^\circ 08' 54''$
 $R = 1,112.90'$
 $T = 222.41'$
 $L = 439.03'$
 $E = 22.01'$
 P.C. STA. = 244+31.35
 P.T. STA. = 248+70.38

PROP. CURVE ILL01R4
 PI STA. = 255+14.73
 $\Delta = 26^\circ 27' 44''$ (RT)
 $D = 6^\circ 08' 35''$
 $R = 932.70'$
 $T = 219.30'$
 $L = 430.77'$
 $E = 25.43'$
 P.C. STA. = 252+95.43
 P.T. STA. = 257+26.20

PROP. CURVE ILL01R5
 PI STA. = 262+80.38
 $\Delta = 15^\circ 18' 46''$ (RT)
 $D = 6^\circ 11' 32''$
 $R = 925.30'$
 $T = 124.39'$
 $L = 247.29'$
 $E = 8.32'$
 P.C. STA. = 261+55.99
 P.T. STA. = 264+03.28



- NOTES:
- ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS.
 - ELEVATIONS REFLECT THE NAVD 88 DATUM.

HORIZONTAL CONTROL POINTS					
POINT	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
CP1	1,955,120.66	1,050,705.36	SET CUT CROSS	NA	NA
CP2	1,955,359.45	1,050,941.32	SET CUT CROSS	NA	NA
CP3	1,955,679.61	1,051,047.77	SET CUT CROSS	NA	NA

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VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING ALIGNMENT AND TIES

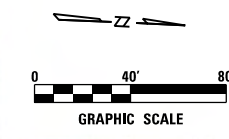
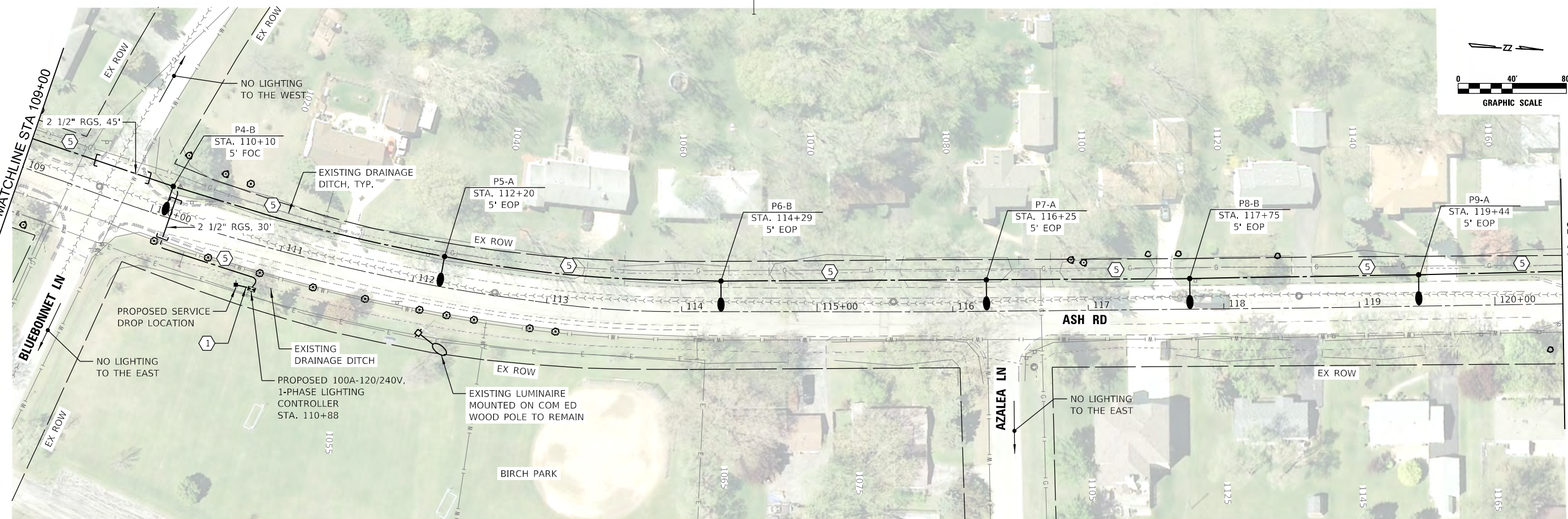
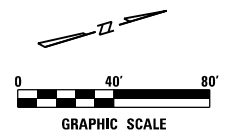
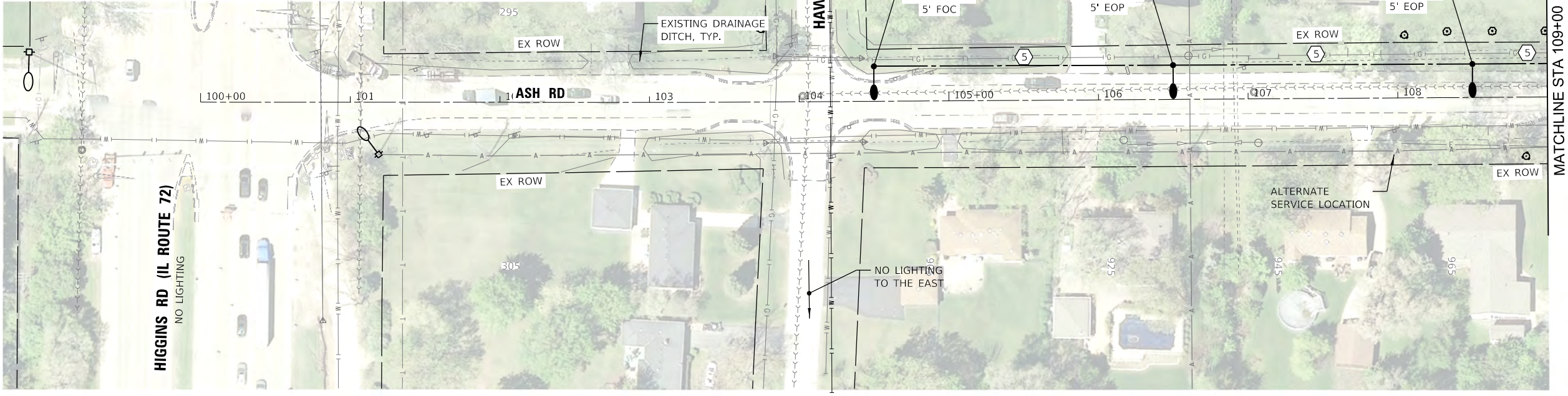
SCALE: 1" = 100' SHEET 2 OF 2 SHEETS STA. TO STA.

N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	4
CONTRACT NO.			N/A	
ILLINOIS		FED. AID PROJECT		

PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 4-1/C #4, 1/C #4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
④	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
⑤	UNIT DUCT, 600V, 4-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

NOTES:

1. PROPOSED CONDUIT SHALL BE BORED AND PULLED TO MINIMIZE DISTURBANCE TO EXISTING LANDSCAPE AREAS.



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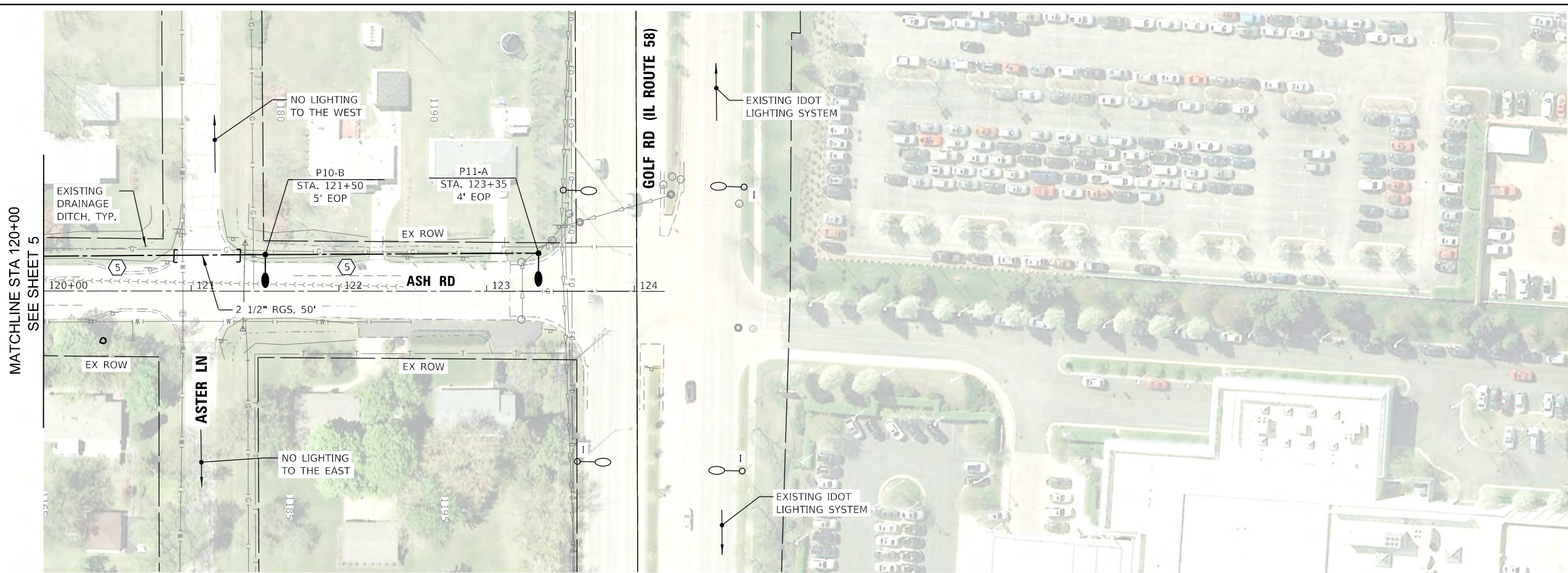
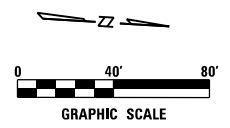
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VILLAGE OF HOFFMAN ESTATES

**PROPOSED COLLECTOR STREET LIGHTING
 PROPOSED LIGHTING PLAN**

SCALE: 1" = 40' SHEET 1 OF 6 SHEETS STA. TO STA.

N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	5
		CONTRACT NO.	N/A	
		ILLINOIS	FED. AID PROJECT	



NOTES:

- 1. PROPOSED CONDUIT SHALL BE BORED AND PULLED TO MINIMIZE DISTURBANCE TO EXISTING LANDSCAPE AREAS.

PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 4-1/C #4, 1/C #4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
④	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
⑤	UNIT DUCT, 600V, 4-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

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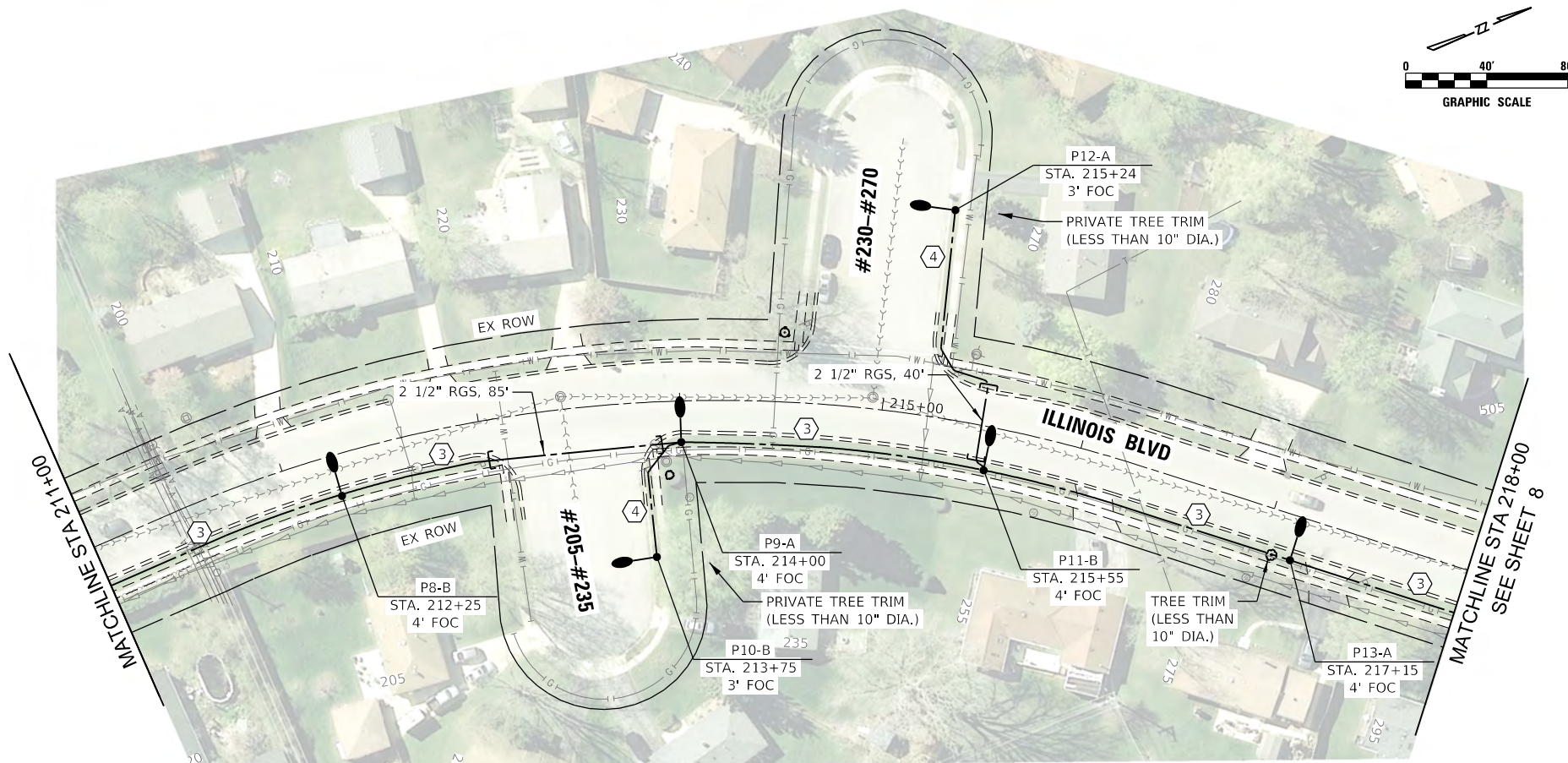
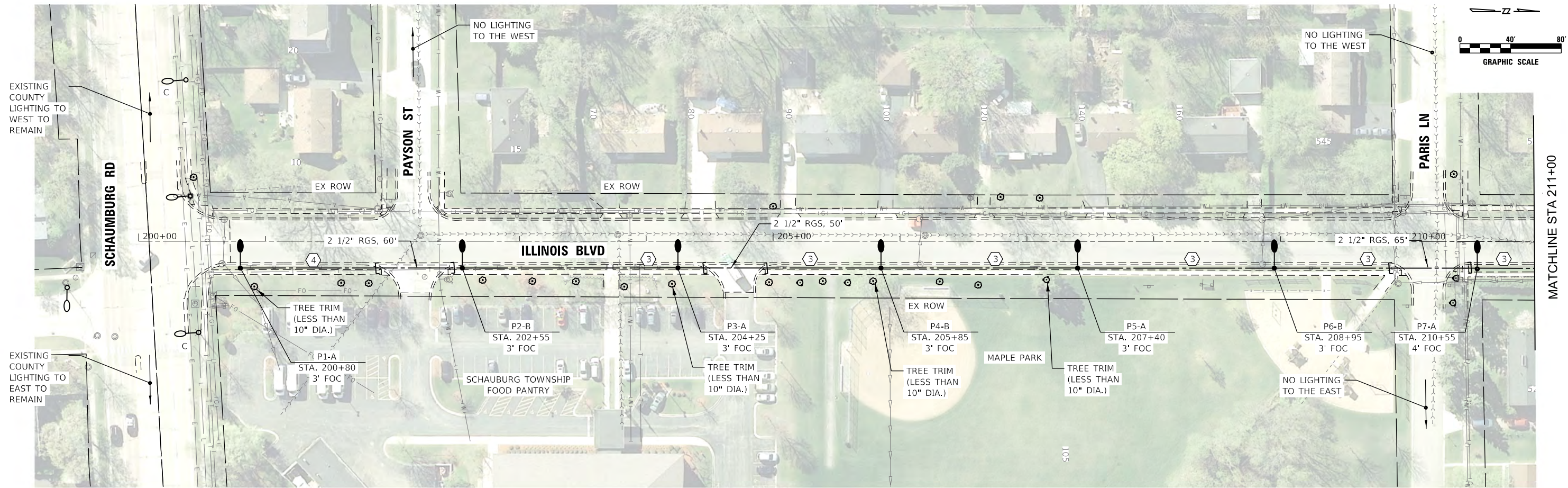
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VILLAGE OF HOFFMAN ESTATES

**PROPOSED COLLECTOR STREET LIGHTING
PROPOSED LIGHTING PLAN**

SCALE: 1" = 40' SHEET 2 OF 6 SHEETS STA. TO STA.

N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	6
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				



NOTES:

1. PROPOSED CONDUIT SHALL BE BORED AND PULLED TO MINIMIZE DISTURBANCE TO EXISTING LANDSCAPE AREAS.
2. NO CONSTRUCTION SHALL BEGIN ALONG ILLINOIS BOULEVARD UNTIL AFTER JULY 8, 2024. ILLINOIS BOULEVARD IS THE PARADE ROUTE FOR THE VILLAGE'S 4TH OF JULY EVENT.
3. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
4. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
5. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL FIELD VERIFY UTILITY CONFLICTS.

PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 4-1/C #4, 1/C #4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
④	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
⑤	UNIT DUCT, 600V, 4-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

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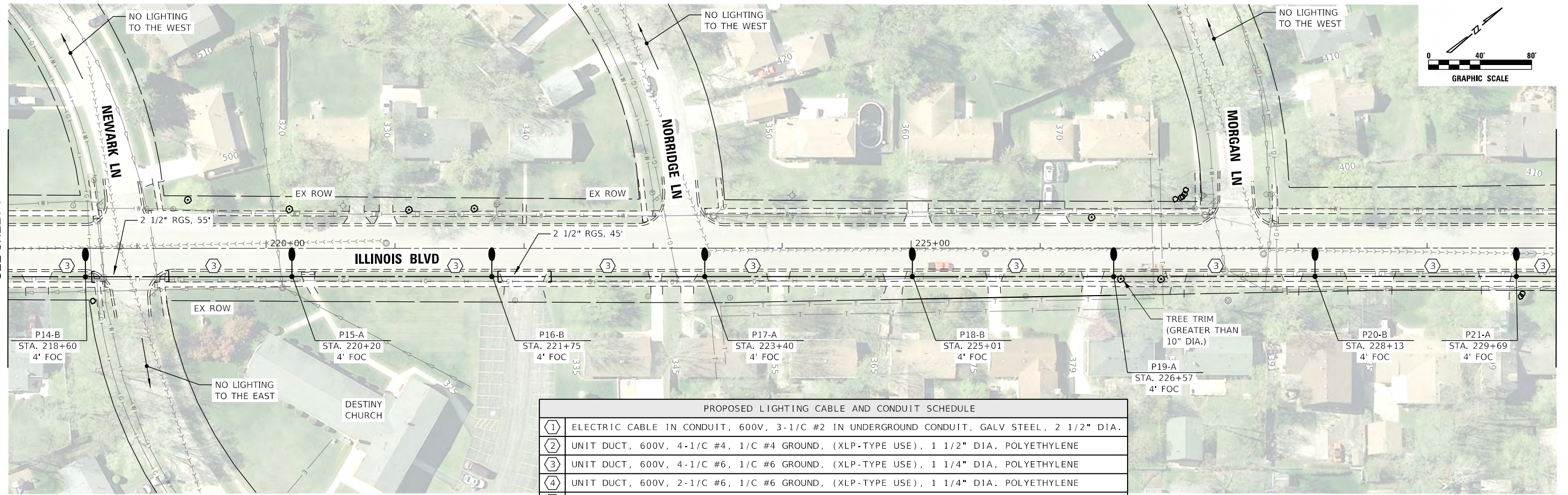
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VILLAGE OF HOFFMAN ESTATES

**PROPOSED COLLECTOR STREET LIGHTING
 PROPOSED LIGHTING PLAN**

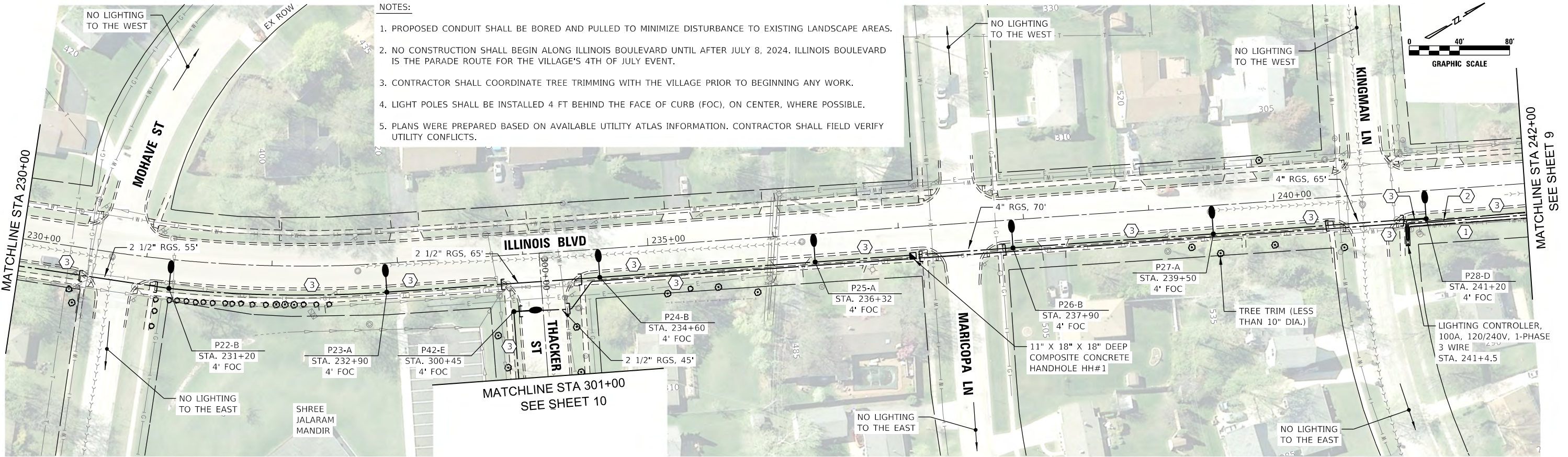
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N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	7
		CONTRACT NO.	N/A	
		ILLINOIS	FED. AID PROJECT	



PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 4-1/C #4, 1/C #4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
④	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
⑤	UNIT DUCT, 600V, 4-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

- NOTES:
1. PROPOSED CONDUIT SHALL BE BORED AND PULLED TO MINIMIZE DISTURBANCE TO EXISTING LANDSCAPE AREAS.
 2. NO CONSTRUCTION SHALL BEGIN ALONG ILLINOIS BOULEVARD UNTIL AFTER JULY 8, 2024. ILLINOIS BOULEVARD IS THE PARADE ROUTE FOR THE VILLAGE'S 4TH OF JULY EVENT.
 3. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
 4. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
 5. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL FIELD VERIFY UTILITY CONFLICTS.



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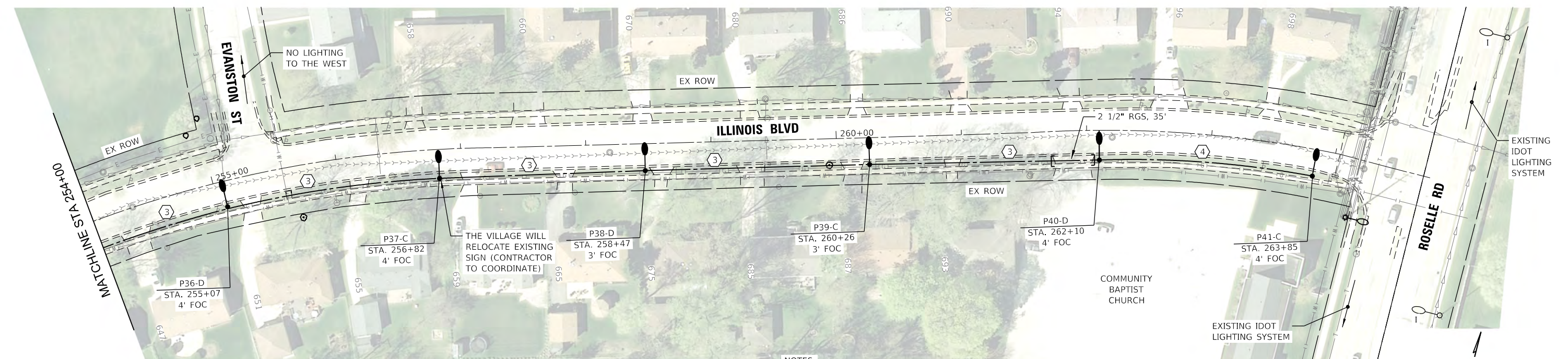
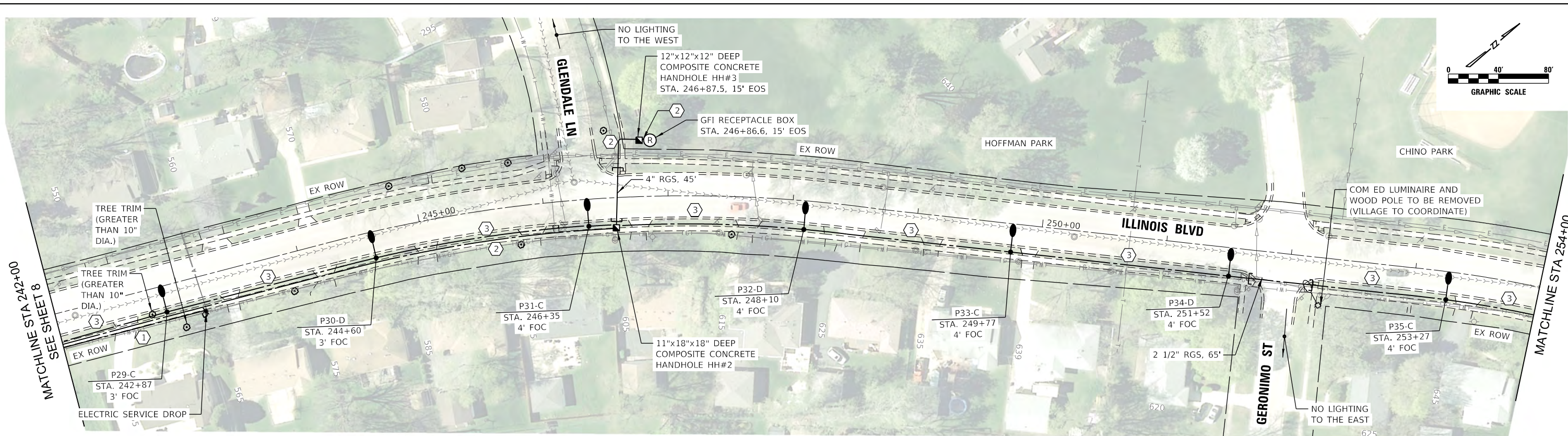
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VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING
 PROPOSED LIGHTING PLAN

SCALE: 1" = 40' SHEET 4 OF 6 SHEETS STA. TO STA.

N/A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	8
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				



PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE

①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 4-1/C #4, 1/C #4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
④	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
⑤	UNIT DUCT, 600V, 4-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

- NOTES:**
- PROPOSED CONDUIT SHALL BE BORED AND PULLED TO MINIMIZE DISTURBANCE TO EXISTING LANDSCAPE AREAS.
 - NO CONSTRUCTION SHALL BEGIN ALONG ILLINOIS BOULEVARD UNTIL AFTER JULY 8, 2024. ILLINOIS BOULEVARD IS THE PARADE ROUTE FOR THE VILLAGE'S 4TH OF JULY EVENT.
 - CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
 - LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
 - PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL FIELD VERIFY UTILITY CONFLICTS.

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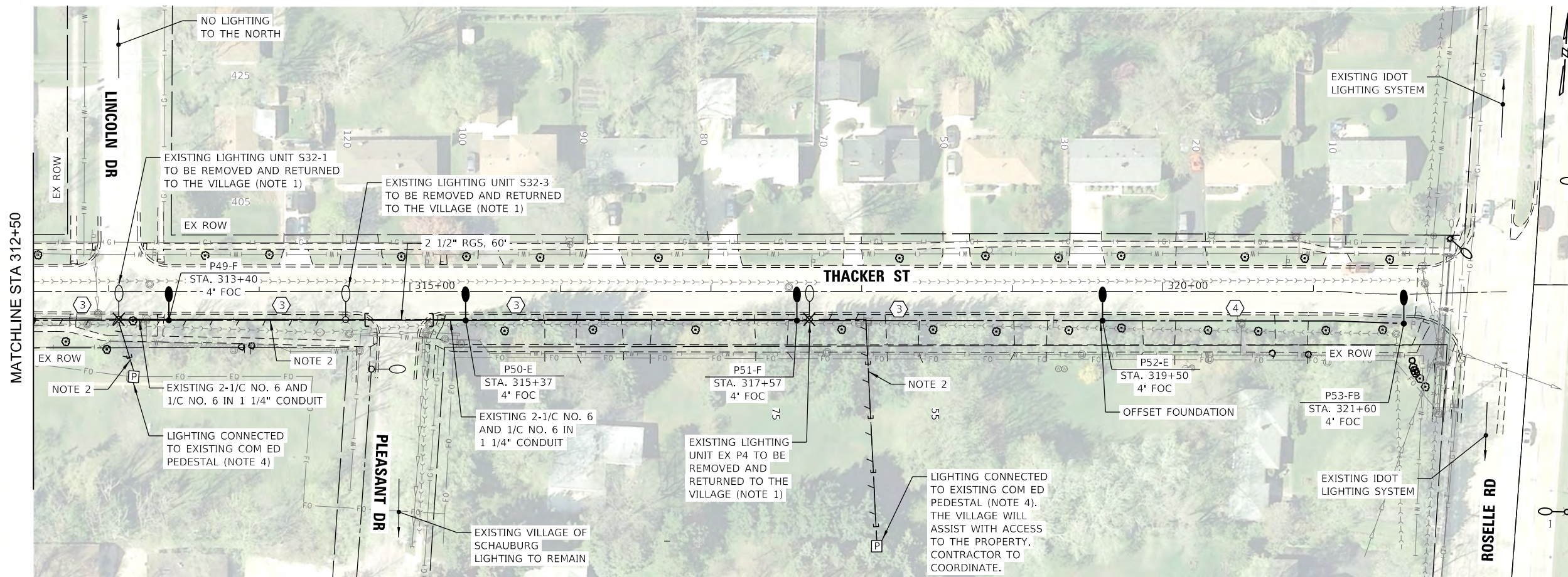
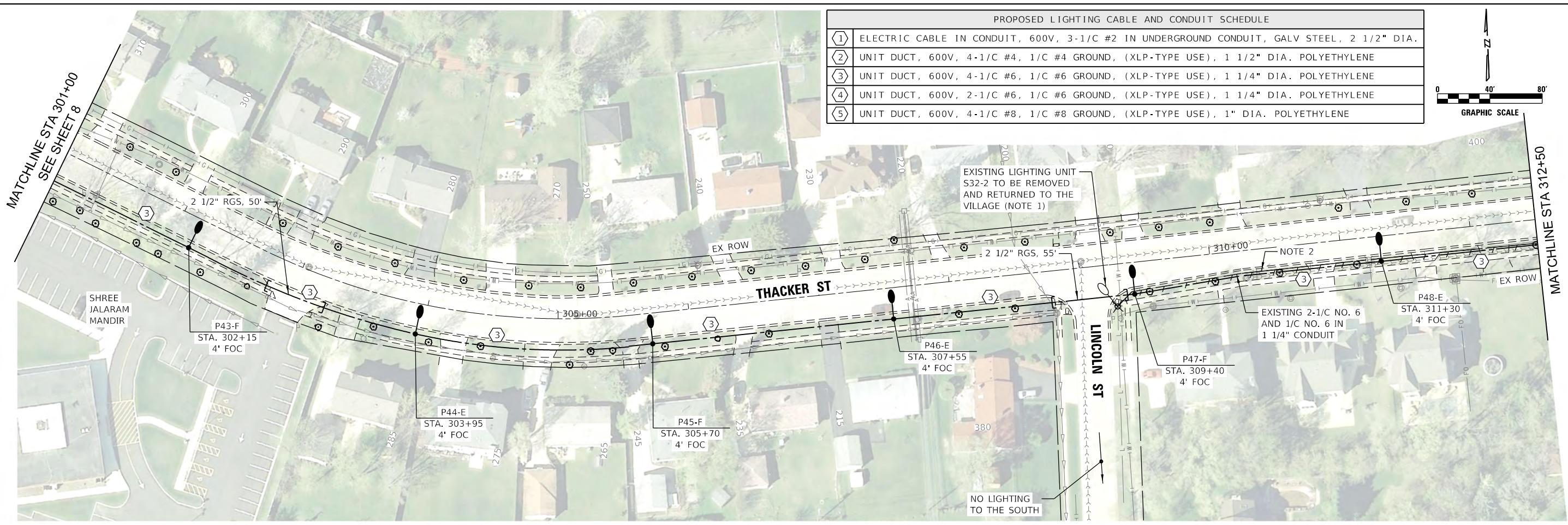
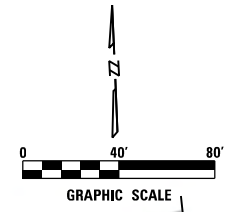
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	DATE - 10/13/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING	
PROPOSED LIGHTING PLAN	
SCALE: 1" = 40'	SHEET 5 OF 6 SHEETS
STA.	TO STA.

N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	9
CONTRACT NO.			N/A	
ILLINOIS		FED. AID PROJECT		

PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 4-1/C #4, 1/C #4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
④	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
⑤	UNIT DUCT, 600V, 4-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE



- NOTES:**
- CONTRACTOR SHALL COORDINATE DELIVERY OF THE EXISTING LIGHT POLES WITH THE ENGINEER AND THE VILLAGE OF HOFFMAN ESTATES.
 - CONTRACTOR SHALL REMOVE EXISTING CABLES FROM CONDUIT AND SHALL ABANDON THE CONDUIT IN PLACE. CONTRACTOR SHALL CUT EXISTING CONDUIT TO 2 FOOT BELOW GRADE.
 - EXISTING LIGHT POLES ARE MOUNTED TO METAL FOUNDATIONS. THE CONTRACTOR SHALL REMOVE AND RETURN THE FOUNDATIONS TO THE VILLAGE.
 - CONTRACTOR SHALL DISCONNECT ELECTRIC SERVICE CABLES PRIOR TO REMOVAL EXISTING LIGHT POLES DIRECTLY CONNECTED TO COM ED. CONTRACTOR SHALL COORDINATE WORK WITH COM ED DIRECTLY. THIS WORK SHALL BE INCLUDED IN THE COST OF THE "REMOVE ELECTRIC CABLE FROM CONDUIT."
 - EXISTING LIGHT POLES TO BE REMOVED SHALL REMAIN IN PLACE UNTIL PROPOSED LIGHTING IS OPERATIONAL. CONTRACTOR SHALL COORDINATE REMOVALS WITH ENGINEER.
 - PROPOSED CONDUIT SHALL BE BORED AND PULLED TO MINIMIZE DISTURBANCE TO EXISTING LANDSCAPE AREAS.
 - LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
 - PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL FIELD VERIFY UTILITY CONFLICTS.

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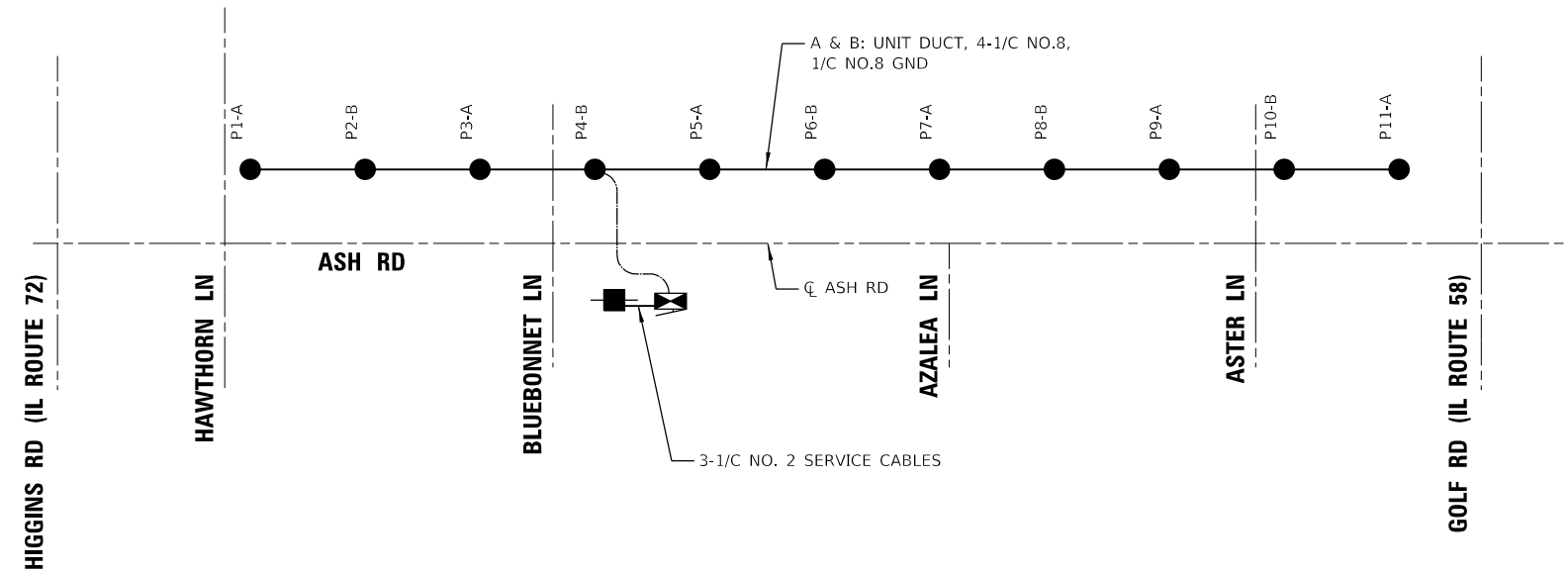


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VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING	
PROPOSED LIGHTING PLAN	
SCALE: 1" = 40'	SHEET 6 OF 6 SHEETS
STA.	TO STA.

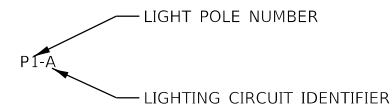
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N/A	N/A	COOK	24	10
		CONTRACT NO.		N/A
		ILLINOIS FED. AID PROJECT		



ONE-LINE LEGEND

- PROPOSED LIGHT POLE
- ☒ PROPOSED BASE MOUNTED LIGHTING CONTROLLER
- PROPOSED ELECTRIC SERVICE DROP
- PROPOSED CABLE IN DUCT

CALL-OUT LEGEND



PROPOSED LIGHTING CONTROLLER LOAD TABLE						
CIRCUIT ID (INSULATION COLOR)	CIRCUIT BREAKER/ POLES	LED ROADWAY LUMINAIRE		TOTAL CIRCUIT LOAD		
		QTY.	LOAD/FIXT (WATTS)	WATTS	AMPS	VOLTS
ROADWAY LIGHTING						
A - RED	30A-2P	6	118	708	3.0	240
B - BLACK	30A-2P	5	118	590	2.5	240
C - RED	30A-2P	0	118	0	0.0	240
D - BLACK	30A-2P	0	118	0	0.0	240
SPARE	30A-2P	0	118	0	0.0	240
SPARE	30A-2P	0	118	0	0.0	240
TOTAL		11		1298W	5.41A	

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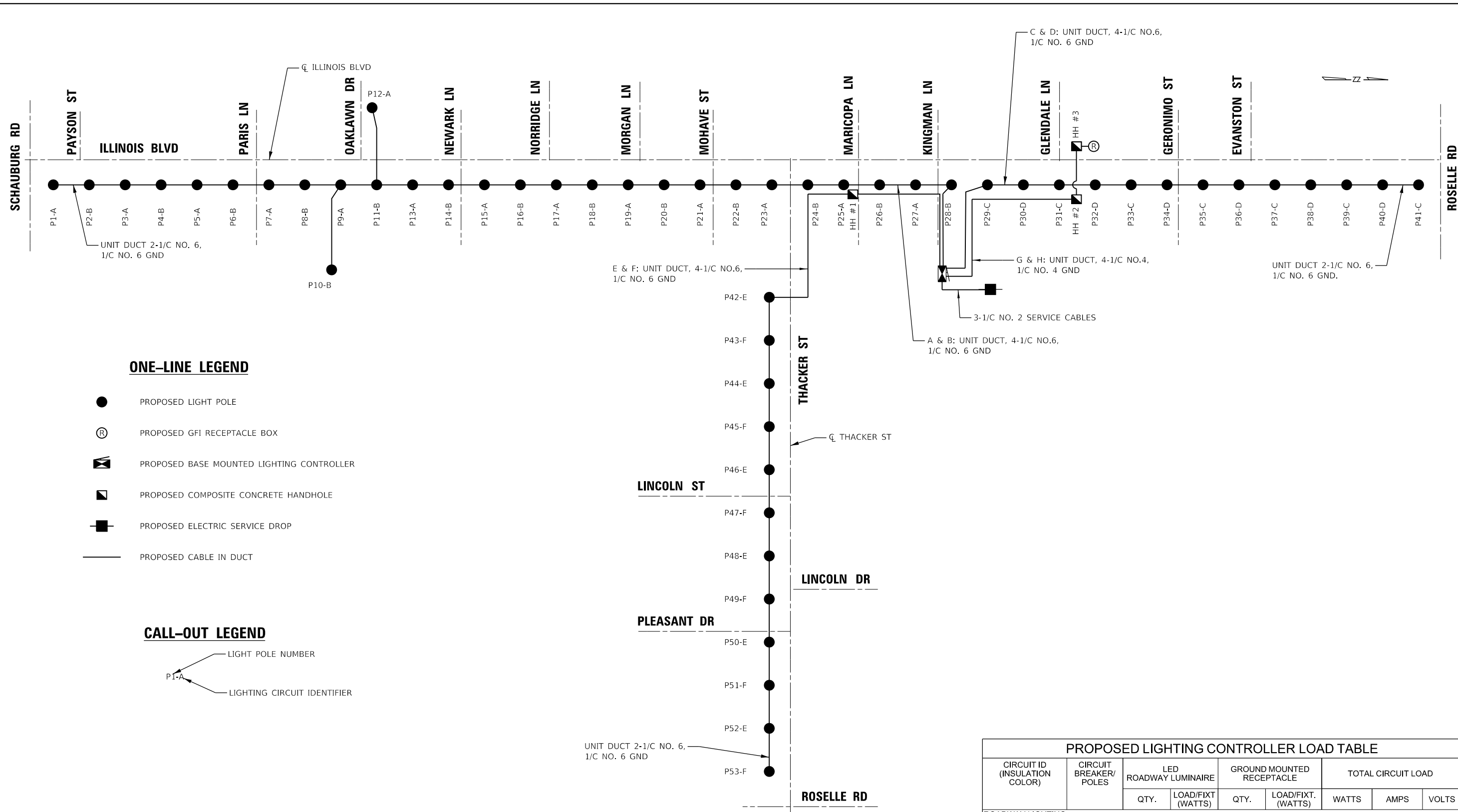
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VILLAGE OF HOFFMAN ESTATES

**PROPOSED COLLECTOR STREET LIGHTING
ASH RD LIGHTING CONTROLLER ONE-LINE DIAGRAM**

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

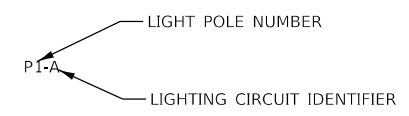
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N/A	N/A	COOK	24	11
CONTRACT NO.			N/A	
ILLINOIS		FED. AID PROJECT		



ONE-LINE LEGEND

- PROPOSED LIGHT POLE
- Ⓜ PROPOSED GFI RECEPTACLE BOX
- ▣ PROPOSED BASE MOUNTED LIGHTING CONTROLLER
- ▣ PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED ELECTRIC SERVICE DROP
- PROPOSED CABLE IN DUCT

CALL-OUT LEGEND



PROPOSED LIGHTING CONTROLLER LOAD TABLE

CIRCUIT ID (INSULATION COLOR)	CIRCUIT BREAKER/ POLES	LED ROADWAY LUMINAIRE		GROUND MOUNTED RECEPTACLE		TOTAL CIRCUIT LOAD		
		QTY.	LOAD/FIXT (WATTS)	QTY.	LOAD/FIXT. (WATTS)	WATTS	AMPS	VOLTS
ROADWAY LIGHTING								
A - RED	30A-2P	14	118	0	2	1,652	6.9	240
B - BLACK	30A-2P	14	118	0	1,920	1,652	6.9	240
C - RED	30A-2P	7	118	0	1,920	826	3.4	240
D - BLACK	30A-2P	6	118	0	1,920	708	3.0	240
E - RED	30A-2P	6	118	0	1,920	708	3.0	240
F - BLACK	30A-2P	6	118	0	1,920	708	3.0	240
SPARE	30A-2P	6	0	0	1,920	0	0.0	240
RECEPTACLE BOX								
G - RED	20A-1P	0	118	1	1,920	1,920	16.0	120
H - BLACK	20A-1P	0	118	1	1,920	1,920	16.0	120
TOTAL		59		2		10,094W	42.1A	240

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VILLAGE OF HOFFMAN ESTATES

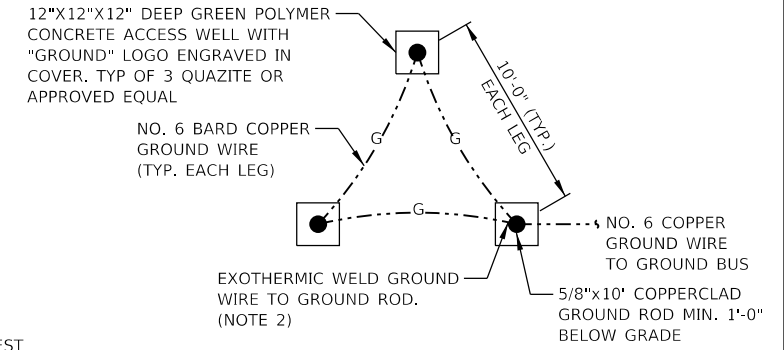
**PROPOSED COLLECTOR STREET LIGHTING
ILLINOIS BLVD & THACKER ST LIGHTING CONTROLLER ONE-LINE DIAGRAM**

N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	12
SCALE: N.T.S.		SHEET 2 OF 2 SHEETS		CONTRACT NO. N/A
STA. TO STA.		ILLINOIS FED. AID PROJECT		

**ASH ROAD
LIGHTING CONTROLLER EQUIPMENT**

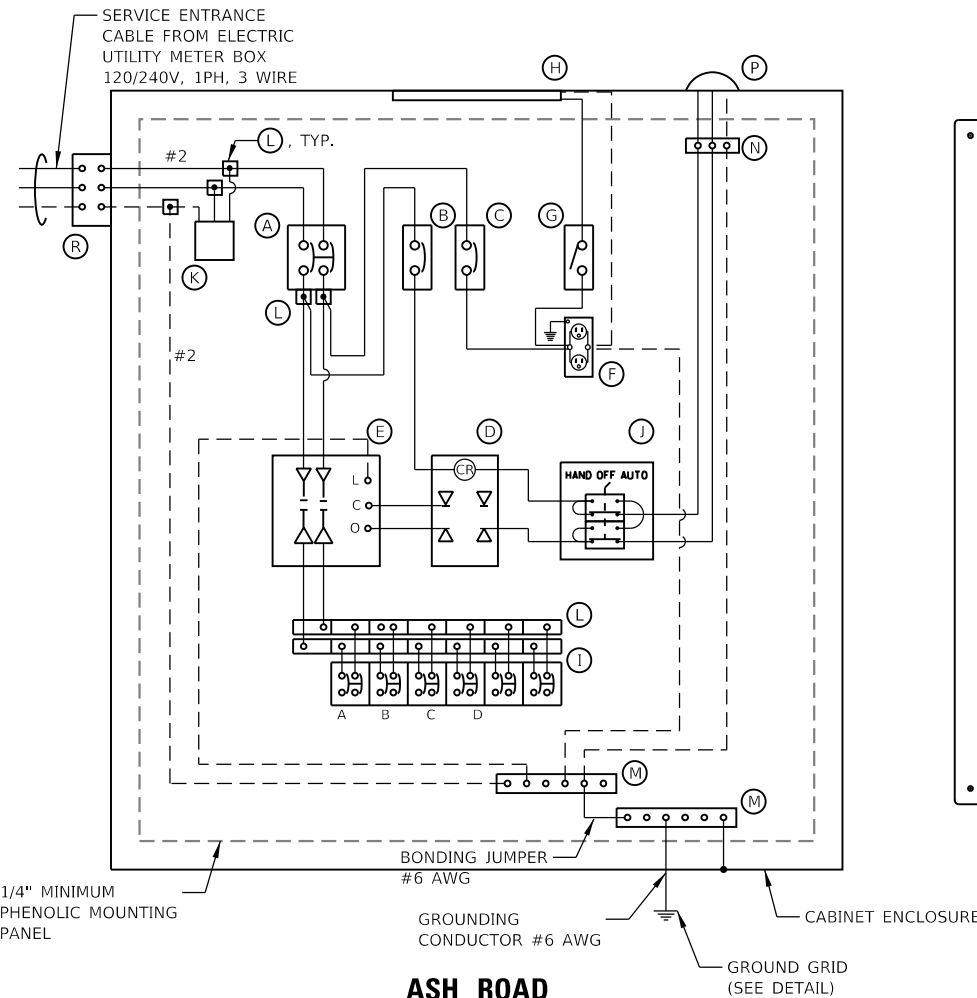
ITEM	QUANTITY	SPECIFICATION
A	1	100A, 2P, 240V SERVICE RATING, 22KAIC
B	1	15A, 1P, 120V RATING, 22KAIC
C	1	20A, 1P, 120V RATING, 22KAIC
D	1	30A-120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS, PLUG IN TYPE
E	1	100A, 2-POLE, 120V COIL, MECHANICALLY HELD, OPEN TYPE
F	1	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM TWO GANG BOX WITH WEATHERPROOF COVER
G	1	20A/120V, DOOR MOUNTED, SNAP ACTION PLUNGER SWITCH
H	1	60W EQUIVALENT LED STRIP LIGHT, 60K HOUR RATING, FASTENED TO TOP OF CABINET
I	6	30A, 2P, 240V RATING, 22 KAIC
J	1	20A, 3 POSITION MOUNTED IN 2-GANG CAST ALUMINUM BOX
K	1	10 K AMPERE RATING
L	1	600 VOLT, INSULATED, SIZE AS REQUIRED, 22KA
M	2	MIN 16 COPPER TERMINATIONS (#1/0-#10) WITH 4 SPARES, HORIZONTALLY MOUNTED, AND HEADS OF SCREWS PAINTED WHITE FOR NEUTRAL BUS BAR AND GREEN FOR GROUND BUS BAR
N	1	3 TERMINAL, SCREW TYPE, #14-#10 WIRE SIZE
P	1	120V, MOUNTED TO CABINET OVERHANG, DELAY TYPE, SPST-NC
R	1	100A, 1-PHASE, 4 TERMINALS, CECHA APPROVED

- NOTES:**
1. THE CONTROLLER, ALONG WITH ALL ITS COMPONENTS, SHALL BE UL LISTED 508A AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL."
 2. THE MAIN CIRCUIT BREAKER SHALL BE LABELED "SERVICE DISCONNECT."
 3. ALL SWITCHES SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAME PLATES.
 4. THE CABINET SHALL BE LABELED WITH THE APPROPRIATE ARC FLASH LABEL AND INCLUDE PERSONNEL PROTECTION DESIGNATIONS.
 5. ALL EXPOSED BUS BARS AND COMPONENTS SHALL BE INSULATED.
 6. CONTROL WIRE SHALL BE #12 MTW.
 7. POWER WIRES SHALL BE RHH/RHW, 600V, SIZE AS INDICATED ON THE PLANS.

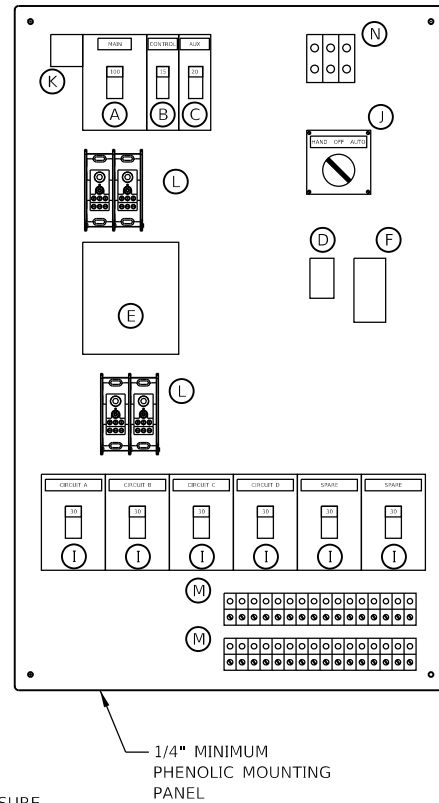


- NOTES:**
1. ACCESS WELL SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM.
 2. CONTRACTOR SHALL COORDINATE NUMBER AND ORIENTATION OF CONNECTIONS REQUIRED IN EACH ACCESS WELL.

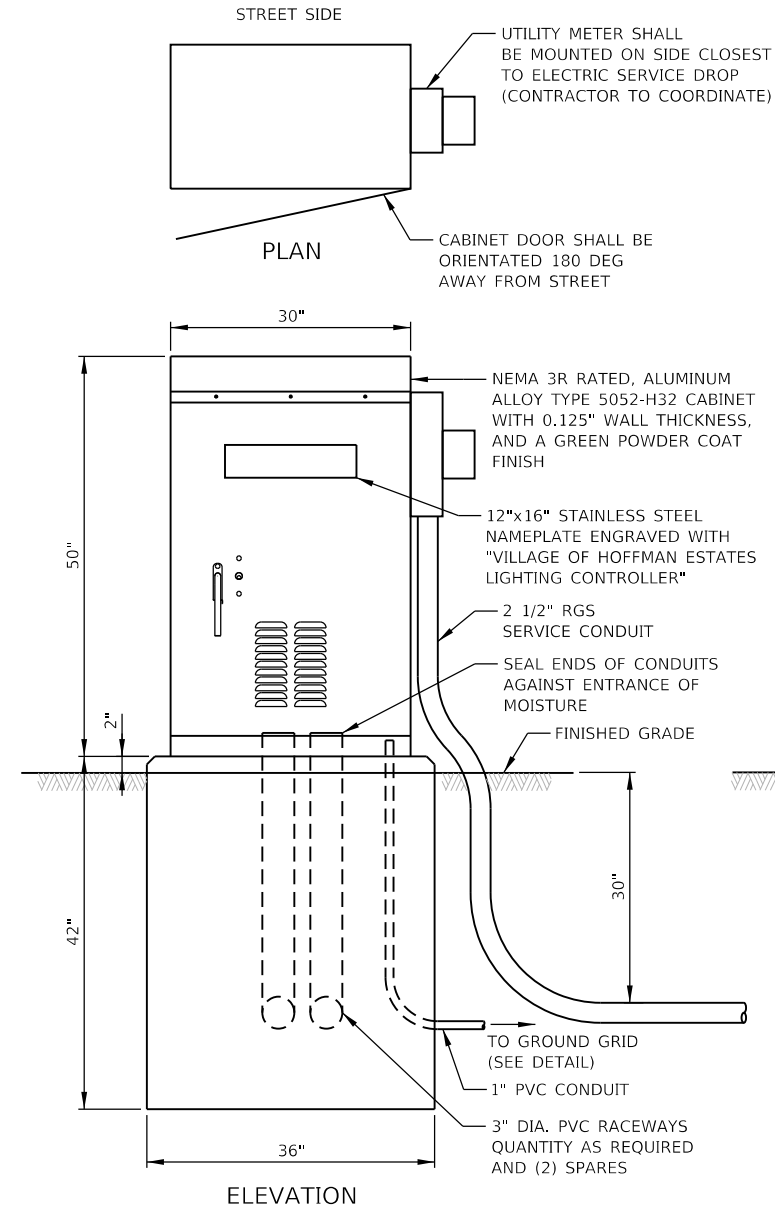
**GROUND GRID DETAIL
N.T.S.**



**ASH ROAD
LIGHTING CONTROLLER WIRING DIAGRAM
N.T.S.**



**ASH ROAD
LIGHTING CONTROLLER EQUIPMENT LAYOUT
N.T.S.**



- NOTES:**
1. CABINET DIMENSIONS SHOWN ARE APPROXIMATE. CABINET SHALL BE AS COMPACT AS POSSIBLE.
 2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MANUFACTURER'S RECOMMENDATIONS.
 3. CONTRACTOR SHALL REMOVE VEGETATION IN FRONT OF CONTROL CABINET DOOR, LEVEL THE AREA AND TOP WITH 2" TOPSOIL. WHERE THERE IS NO SIDEWALK, INSTALL A CONCRETE PAD. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
 4. ALL ITEMS SHOWN (INCLUDING FOUNDATION, RACEWAYS, GROUND GRID) SHALL BE INCLUDED IN THE "LIGHTING CONTROLLER BASE MOUNTED, 100A, 240VOLT" PAY ITEM. THE SERVICE CONDUIT AND CABLE SHALL BE PAID FOR SEPARATELY.

**ASH ROAD
LIGHTING CONTROLLER CABINET DETAIL
N.T.S.**

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VILLAGE OF HOFFMAN ESTATES

**PROPOSED COLLECTOR STREET LIGHTING
LIGHTING DETAILS**

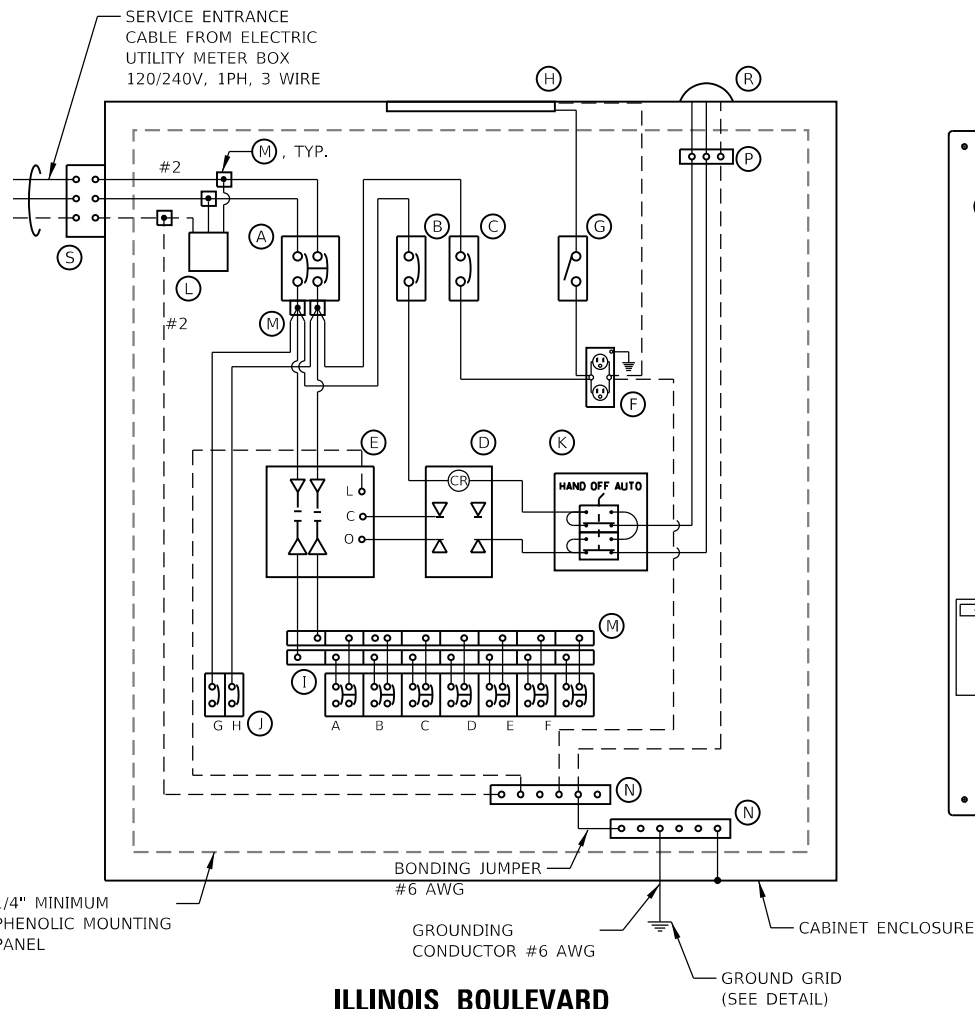
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N/A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	13
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				

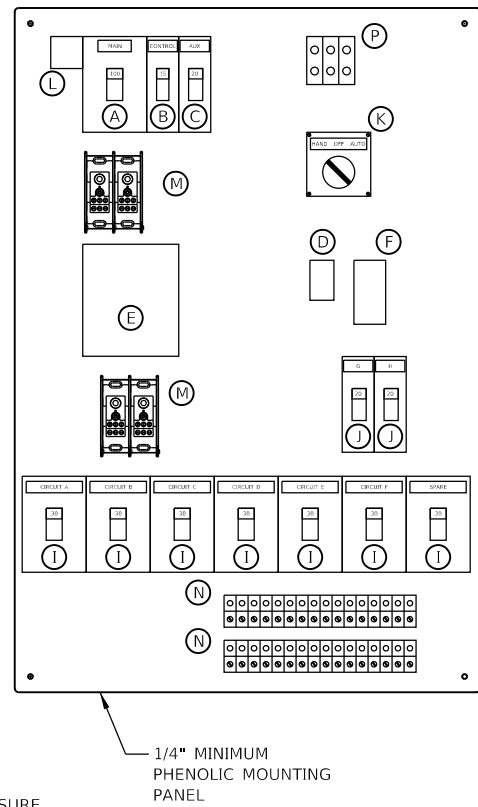
**ILLINOIS BOULEVARD
LIGHTING CONTROLLER EQUIPMENT**

ITEM	QUANTITY	SPECIFICATION
A MAIN CIRCUIT BREAKER	1	100A, 2P, 240V SERVICE RATING, 22KAIC
B CONTROL CIRCUIT BREAKER	1	15A, 1P, 120V RATING, 22KAIC
C CABINET CIRCUIT BREAKER	1	20A, 1P, 120V RATING, 22KAIC
D AUXILIARY RELAY	1	30A-120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS, PLUG IN TYPE
E LIGHTING CONTACTOR	1	100A, 2-POLE, 120V COIL, MECHANICALLY HELD, OPEN TYPE
F CABINET RECEPTACLE AND BOX	1	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM TWO GANG BOX WITH WEATHERPROOF COVER
G DOOR SWITCH	1	20A/120V, DOOR MOUNTED, SNAP ACTION PLUNGER SWITCH
H CABINET LIGHT	1	60W EQUIVALENT LED STRIP LIGHT, 60K HOUR RATING, FASTENED TO TOP OF CABINET
I BRANCH CIRCUIT BREAKERS	7	30A, 2P, 240V RATING, 22 KAIC
J RECEPTACLE CIRCUIT BREAKERS	2	2A, 1P, 240V RATING, 22 KAIC
K HAND-AUTO-OFF CONTROL SWITCH	1	20A, 3 POSITION MOUNTED IN 2-GANG CAST ALUMINUM BOX
L SURGE ARRESTOR	1	10 K AMPERE RATING
M POWER DISTRIBUTION BLOCK	AS REQ'D	600 VOLT, INSULATED, SIZE AS REQUIRED, 22KA
N GROUND & NEUTRAL BUS BAR	2	MIN 16 COPPER TERMINATIONS (#1/0-#10) WITH 4 SPARES, HORIZONTALLY MOUNTED, AND HEADS OF SCREWS PAINTED WHITE FOR NEUTRAL BUS BAR AND GREEN FOR GROUND BUS BAR
P PHOTOCELL TERMINAL BLOCK	1	3 TERMINAL, SCREW TYPE, #14-#10 WIRE SIZE
R PHOTOCELL	1	120V, MOUNTED TO CABINET OVERHANG, DELAY TYPE, SPST-NC
S UTILITY METER SOCKET	1	100A, 1-PHASE, 4 TERMINALS, CECHA APPROVED

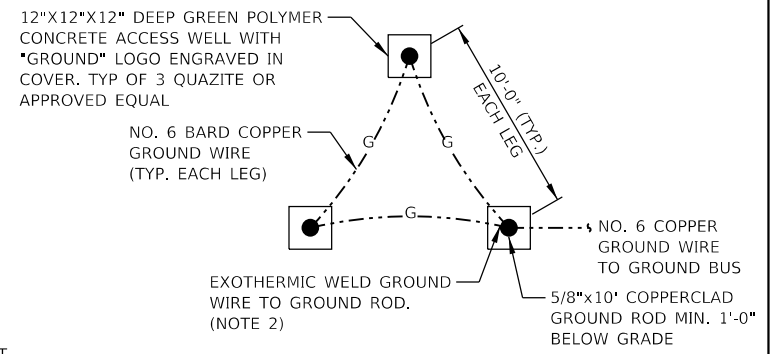
- NOTES:**
1. THE CONTROLLER, ALONG WITH ALL ITS COMPONENTS, SHALL BE UL LISTED 508A AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL."
 2. THE MAIN CIRCUIT BREAKER SHALL BE LABELED "SERVICE DISCONNECT."
 3. ALL SWITCHES SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAME PLATES.
 4. THE CABINET SHALL BE LABELED WITH THE APPROPRIATE ARC FLASH LABEL AND INCLUDE PERSONNEL PROTECTION DESIGNATIONS.
 5. ALL EXPOSED BUS BARS AND COMPONENTS SHALL BE INSULATED.
 6. CONTROL WIRE SHALL BE #12 MTW.
 7. POWER WIRES SHALL BE RHH/RHW, 600V, SIZE AS INDICATED ON THE PLANS.



**ILLINOIS BOULEVARD
LIGHTING CONTROLLER WIRING DIAGRAM**
N.T.S.

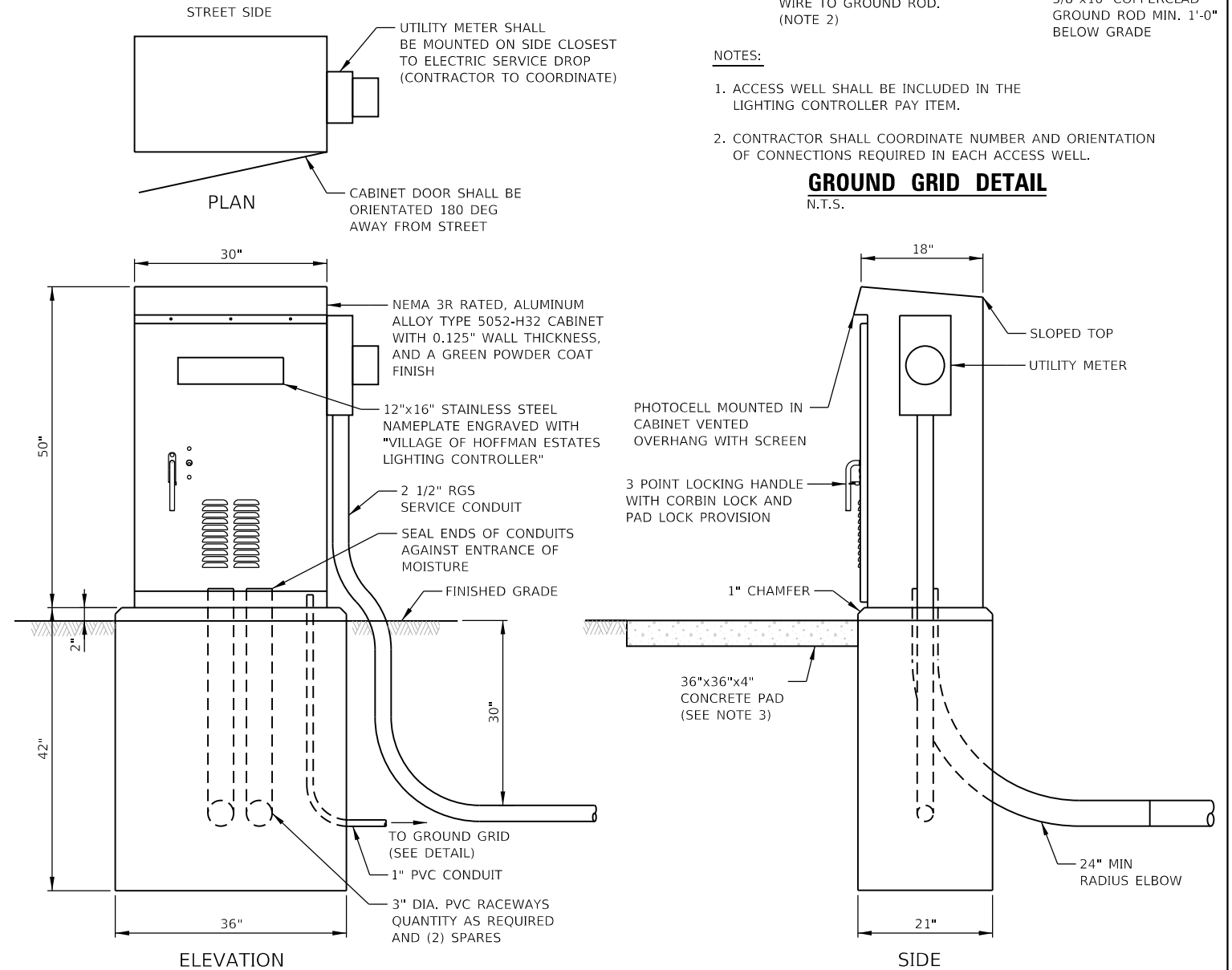


**ILLINOIS BOULEVARD
LIGHTING CONTROLLER EQUIPMENT LAYOUT**
N.T.S.



- NOTES:**
1. ACCESS WELL SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM.
 2. CONTRACTOR SHALL COORDINATE NUMBER AND ORIENTATION OF CONNECTIONS REQUIRED IN EACH ACCESS WELL.

GROUND GRID DETAIL
N.T.S.



- NOTES:**
1. CABINET DIMENSIONS SHOWN ARE APPROXIMATE. CABINET SHALL BE AS COMPACT AS POSSIBLE.
 2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MANUFACTURER'S RECOMMENDATIONS.
 3. CONTRACTOR SHALL REMOVE VEGETATION IN FRONT OF CONTROL CABINET DOOR, LEVEL THE AREA AND TOP WITH 2" TOPSOIL. WHERE THERE IS NO SIDEWALK, INSTALL A CONCRETE PAD. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
 4. ALL ITEMS SHOWN (INCLUDING FOUNDATION, RACEWAYS, GROUND GRID) SHALL BE INCLUDED IN THE "LIGHTING CONTROLLER BASE MOUNTED, 100A, 240VOLT" PAY ITEM. THE SERVICE CONDUIT AND CABLE SHALL BE PAID FOR SEPARATELY.

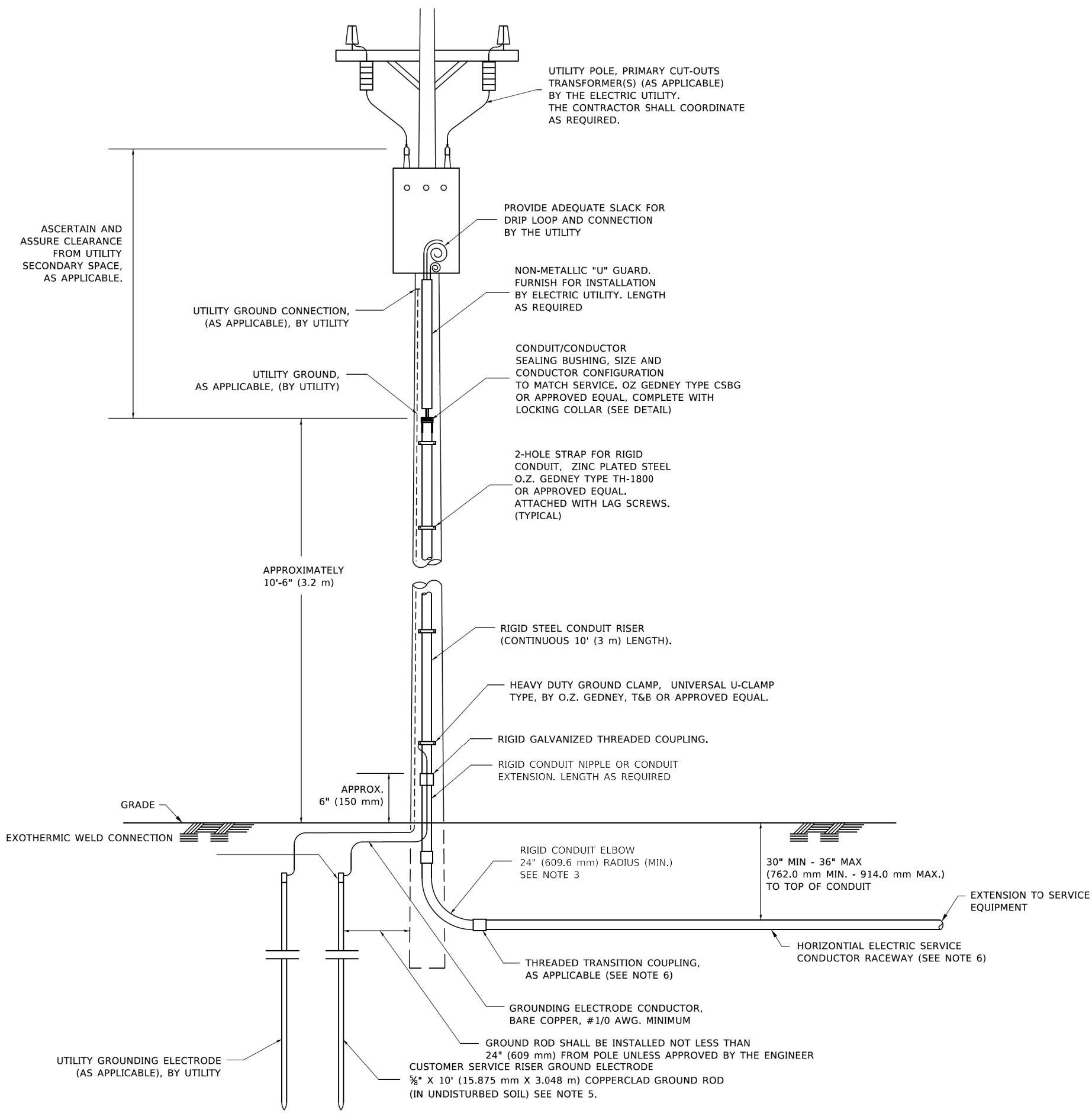
**ILLINOIS BOULEVARD
LIGHTING CONTROLLER CABINET DETAIL**
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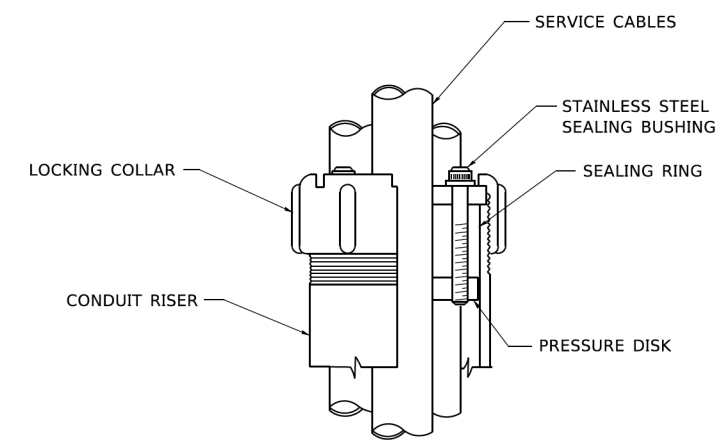
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		N/A	N/A	COOK	24	14
SCALE: N.T.S.		SHEET 2 OF 7 SHEETS		STA.	TO STA.	

CONTRACT NO. N/A		ILLINOIS	FED. AID PROJECT
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NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE".
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE VILLAGE ELECTRICAL INSPECTOR OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY. FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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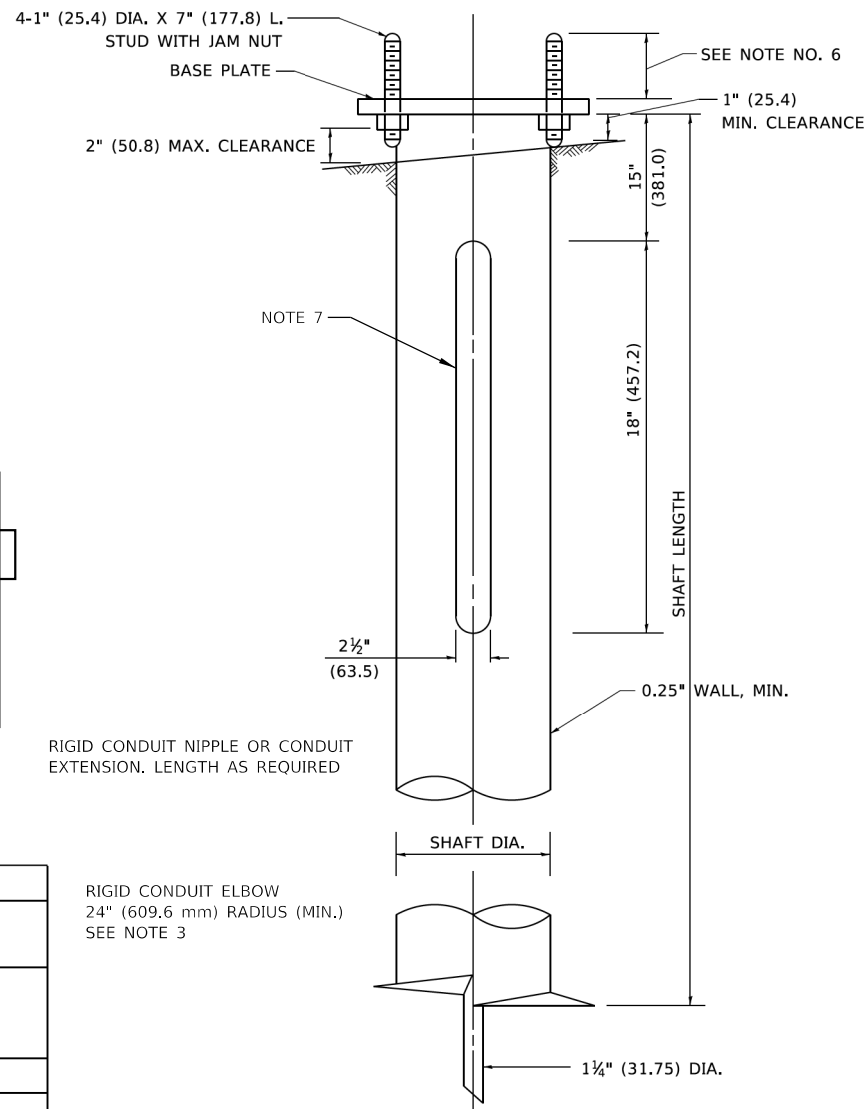
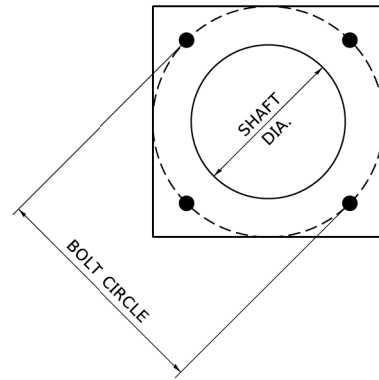
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VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING LIGHTING DETAILS

SCALE: N.T.S. SHEET 3 OF 7 SHEETS STA. TO STA.

N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	15
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				



NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 3/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 3/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

RIGID CONDUIT NIPPLE OR CONDUIT EXTENSION. LENGTH AS REQUIRED

RIGID CONDUIT ELBOW 24" (609.6 mm) RADIUS (MIN.) SEE NOTE 3

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N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	16
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

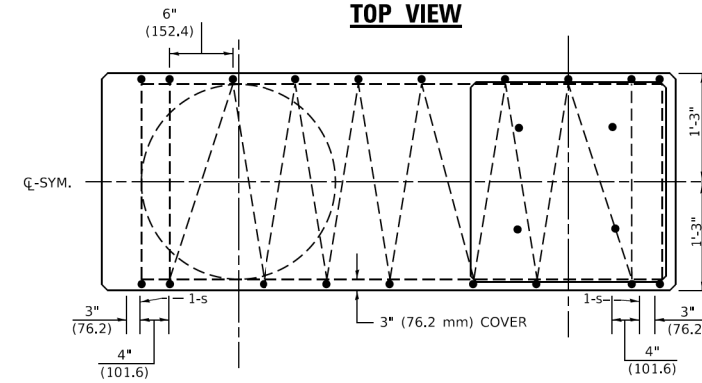
BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s1	3	3	7'-6" (2.286 m)	□
v1	8	6	2'-9" (0.838 m)	—
v2				

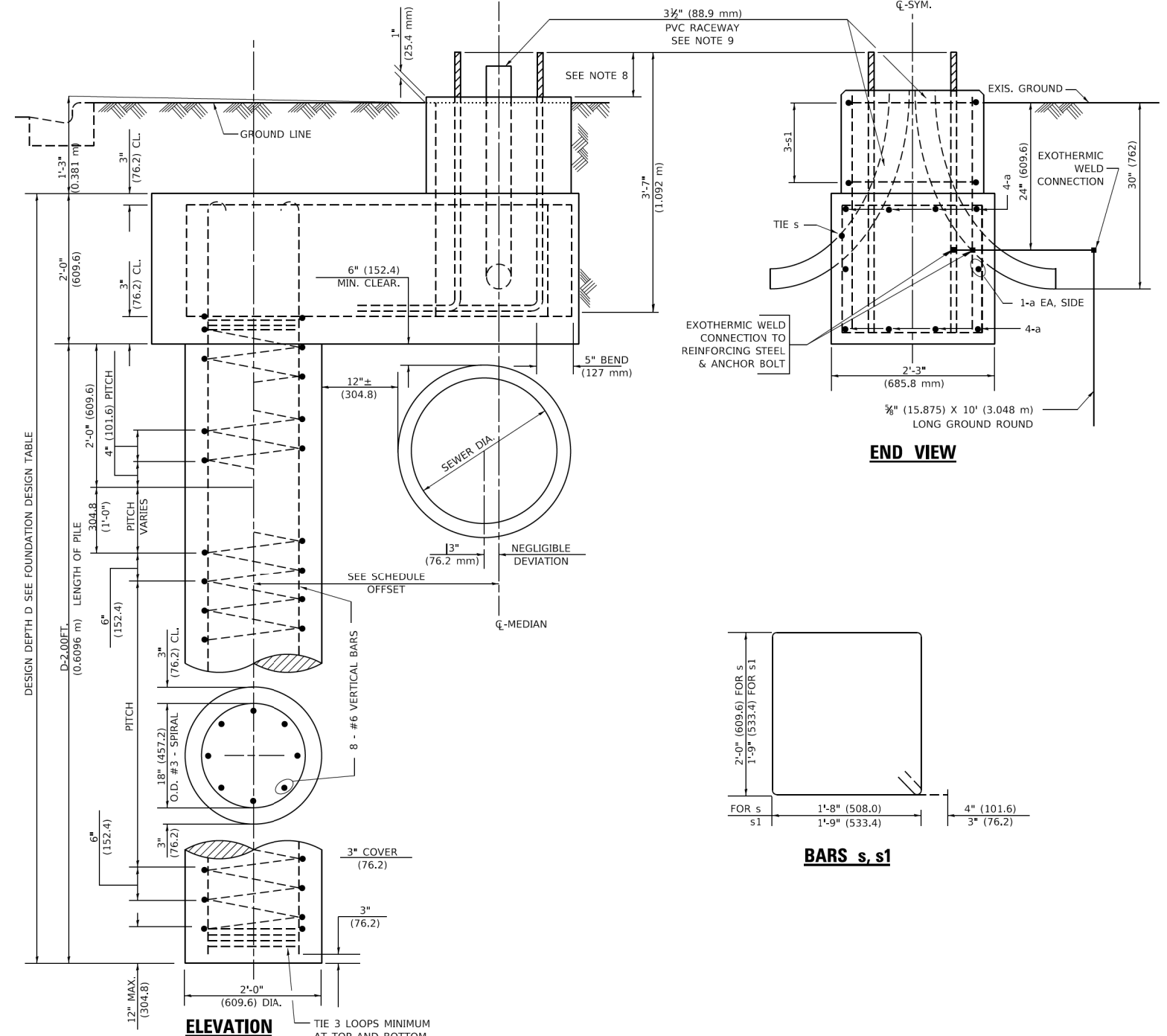
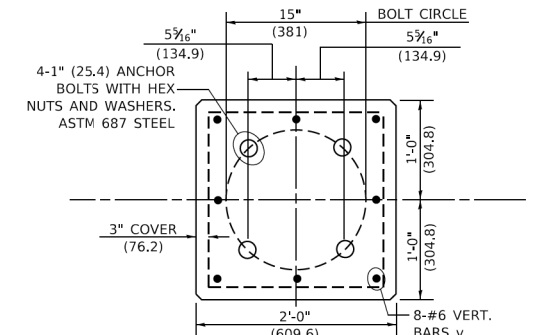
NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

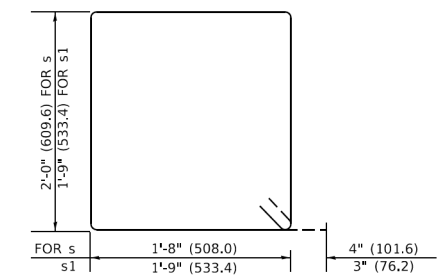
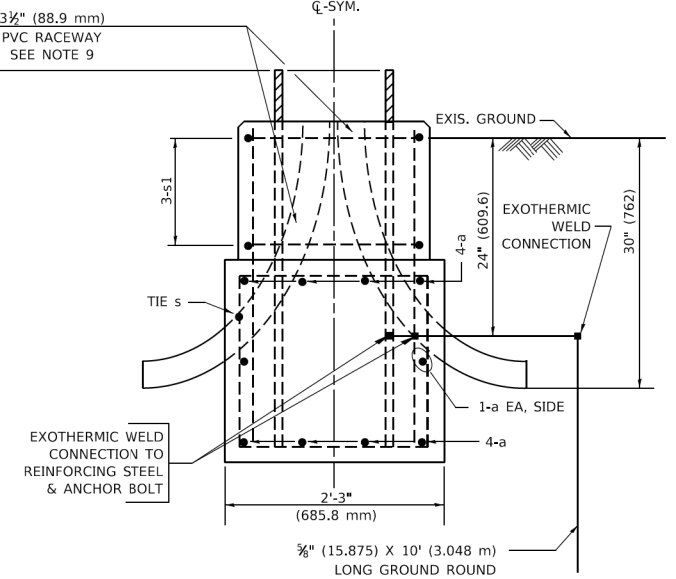
PLAN-CAP BEAM TOP VIEW



TOP VIEW



END VIEW



BARS s, s1

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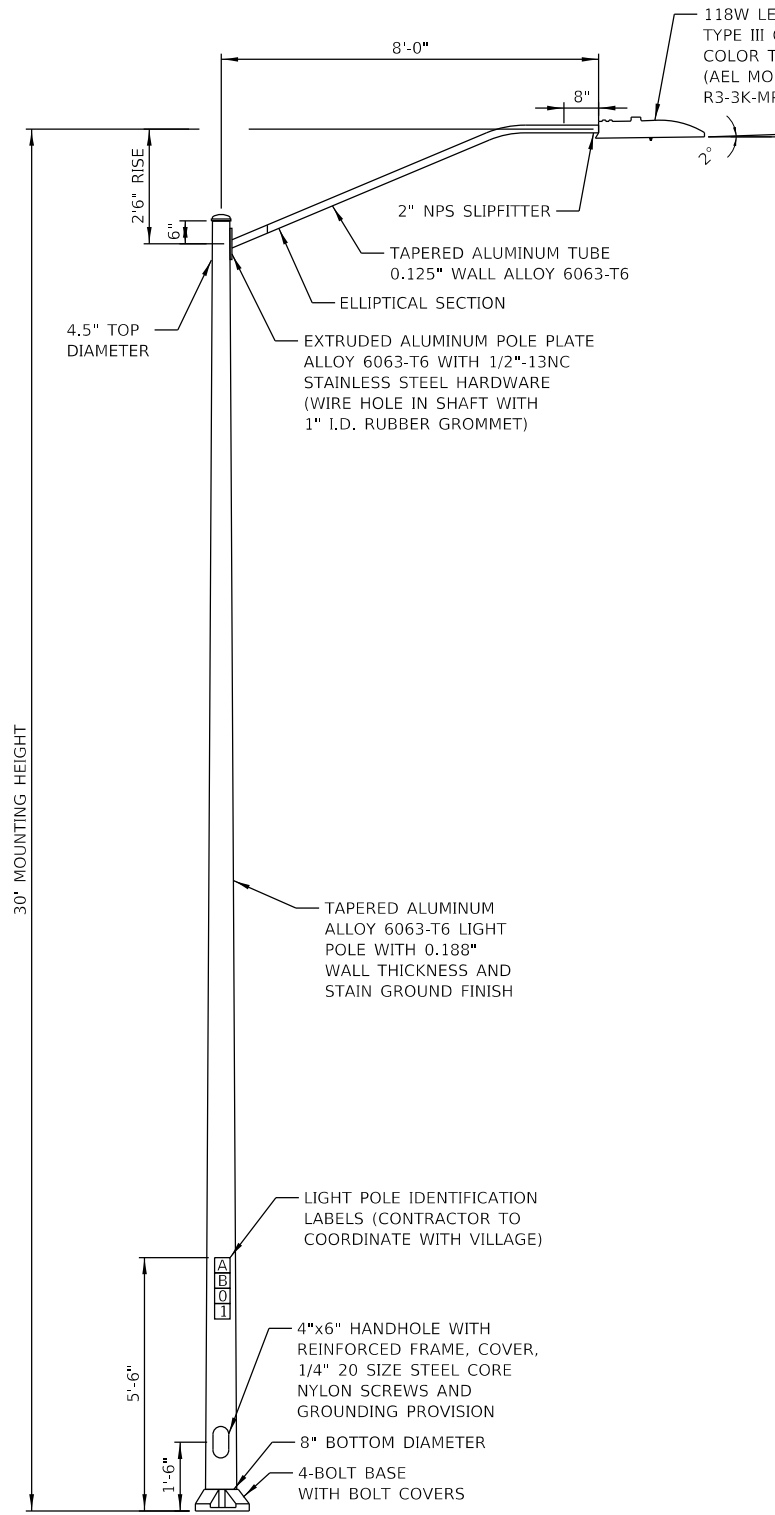
VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING LIGHTING DETAILS

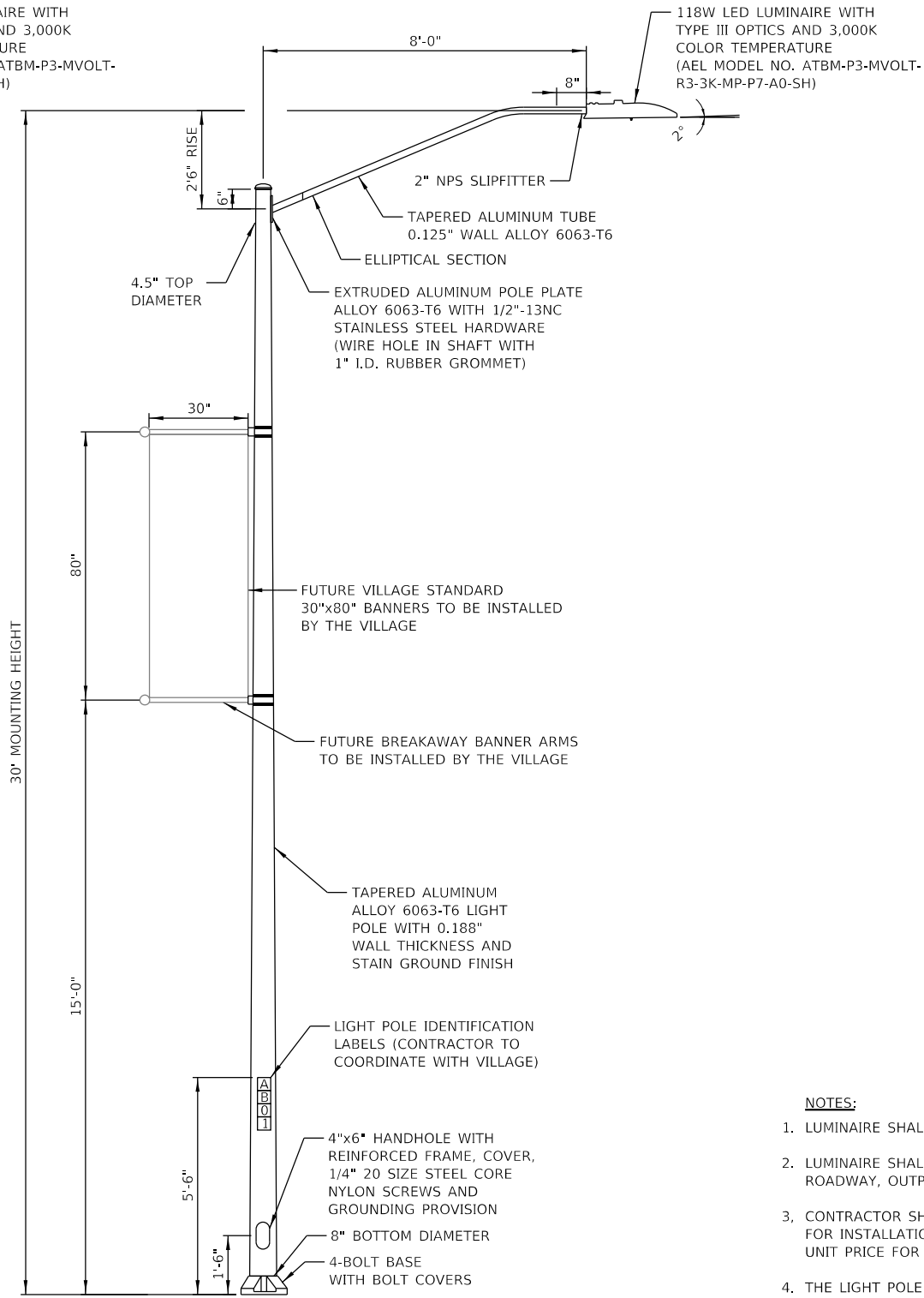
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CONTRACT NO.			N/A	

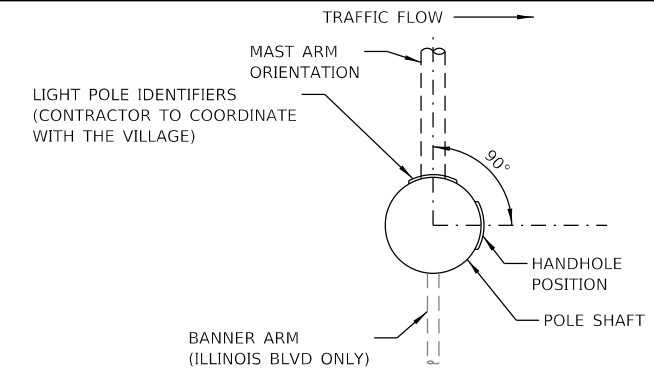
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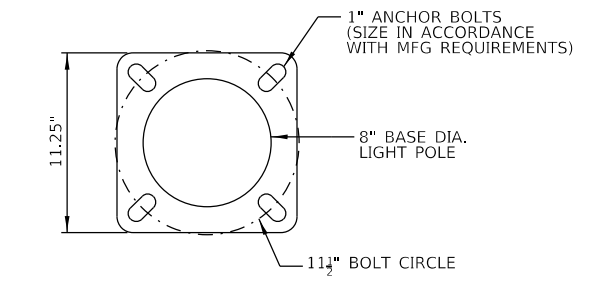
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LIGHT POLE DETAIL**
N.T.S.



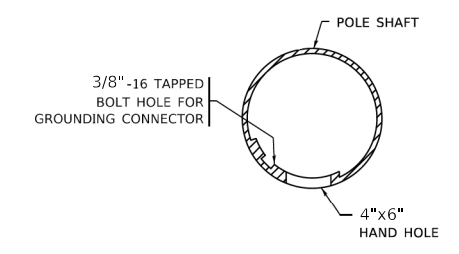
**ILLINOIS BOULEVARD
LIGHT POLE DETAIL**
N.T.S.



**POSITION OF HANDHOLE AND
POLE NUMBER FOR SINGLE
MAST ARM POLES**
N.T.S.



LIGHT POLE BASE PLATE DETAIL
N.T.S.



HANDHOLE DETAIL
(N.T.S.)

- NOTES:**
- LUMINAIRE SHALL BE PROVIDED WITH 7-PIN TWISTLOCK RECEPTACLE AND SHORTING CAP.
 - LUMINAIRE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F."
 - CONTRACTOR SHALL SUPPLY 15 HOUSE SIDE SHIELDS (AEL ATBMHSS) TO THE VILLAGE FOR INSTALLATION AT A FUTURE TIME. SHIELDS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "LUMINAIRE SHIELD".
 - THE LIGHT POLE SHALL MEET THE AASHTO DESIGN CRITERIA AS SPECIFIED.
 - LIGHT POLES SHALL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 - LIGHT POLES SHALL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 - LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED. THIS WORK SHALL BE COORDINATED WITH THE VILLAGE DURING CONSTRUCTION.
 - ILLINOIS BLVD LIGHT POLE WALL THICKNESS WAS DESIGNED BASED ON AASHTO DESIGN CRITERIA FOR THOSE POLE MOUNTED LOADS SHOWN ON THIS SHEET. ADDITIONAL LOADS SHALL REQUIRE ADDITIONAL CALCULATIONS.

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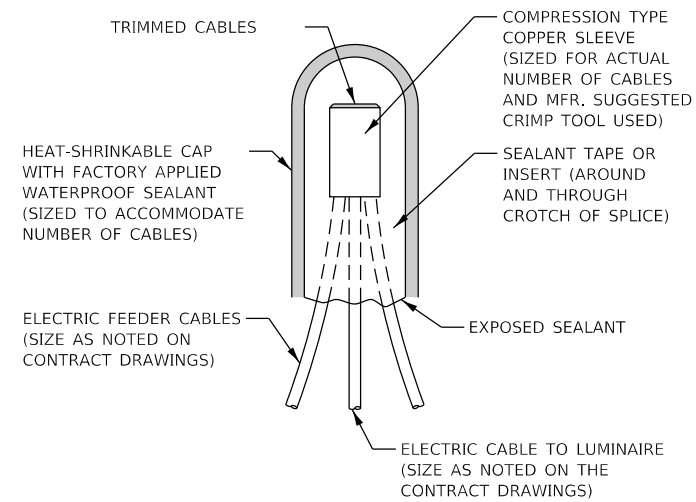
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PLOT DATE = 10/20/2023	DATE - 10/13/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

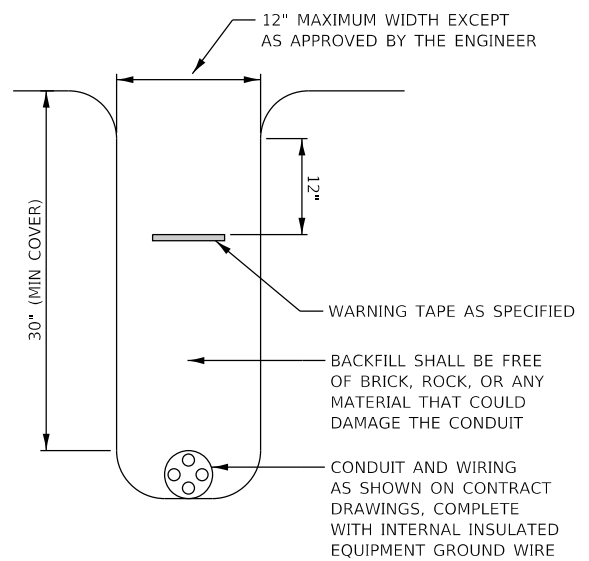
**PROPOSED COLLECTOR STREET LIGHTING
LIGHTING DETAILS**

SCALE: N.T.S. SHEET 6 OF 7 SHEETS STA. TO STA.

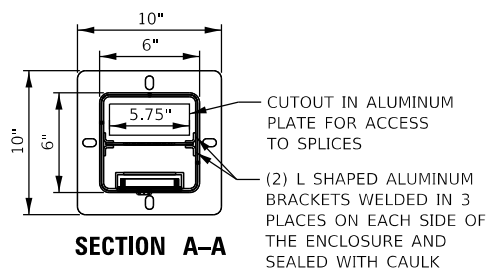
N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	18
CONTRACT NO.			N/A	
ILLINOIS		FED. AID PROJECT		



TYPICAL SPLICE DETAIL
N.T.S.

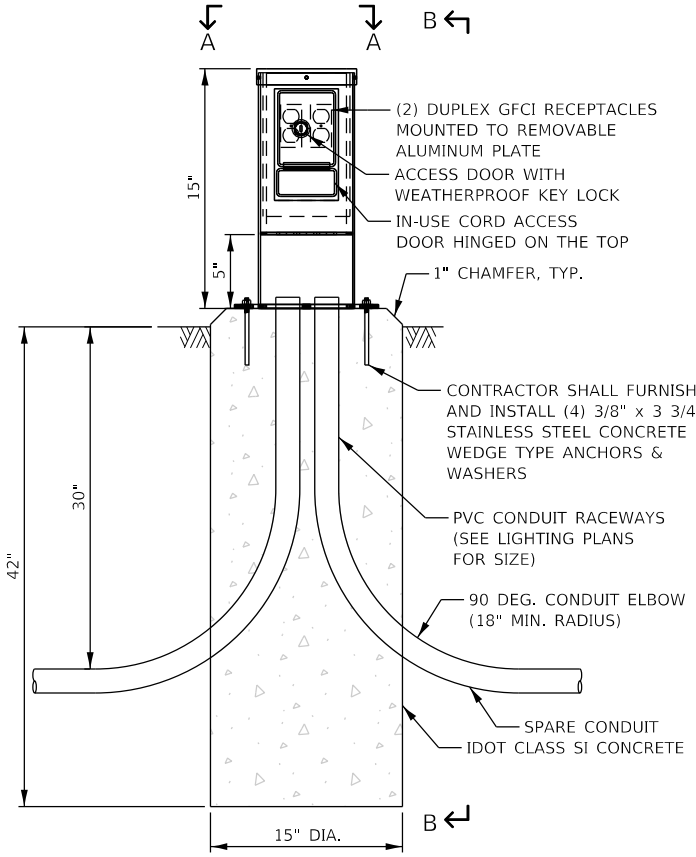


TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

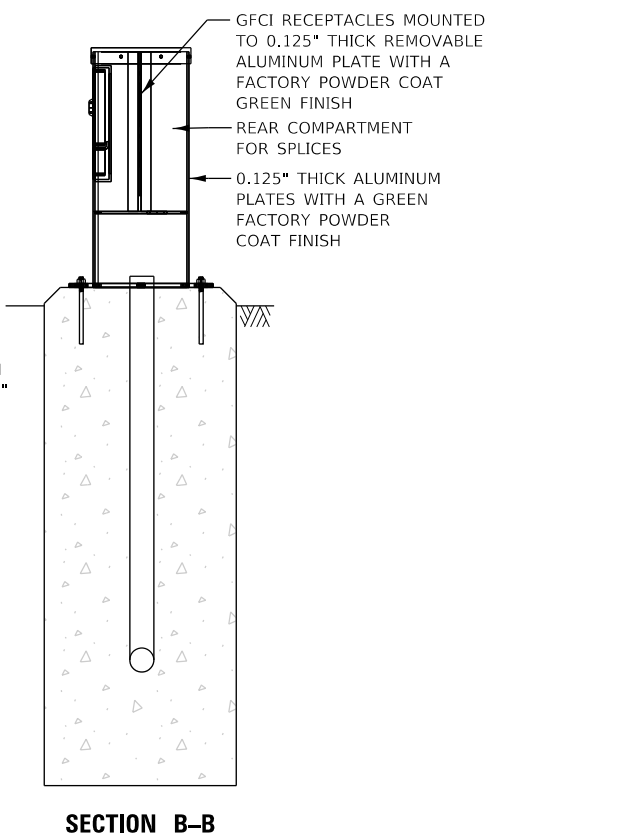


SECTION A-A

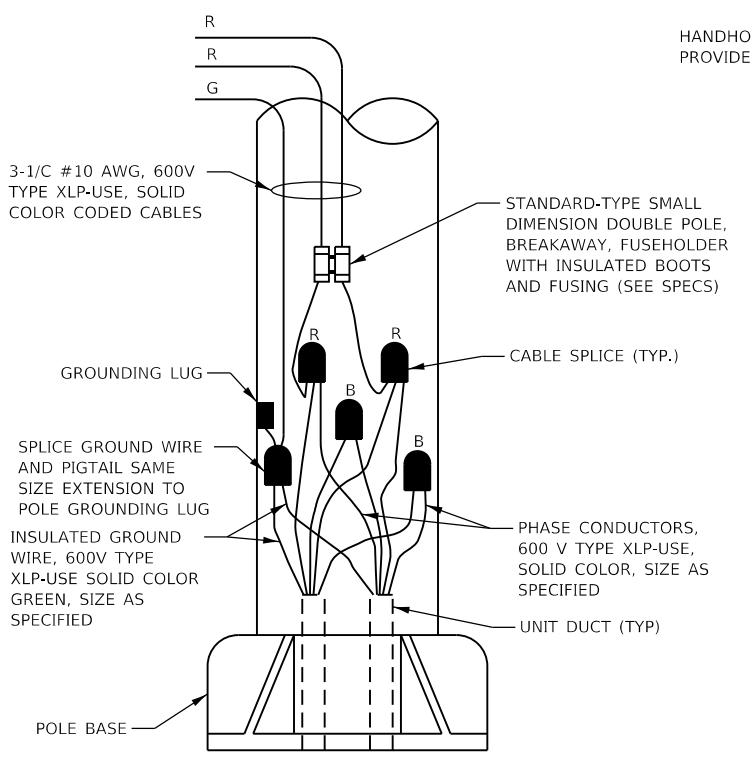
- NOTES:
- ENCLOSURE SHALL BE AS MANUFACTURED BY EXCEL, LTD. OR APPROVED EQUAL.
 - ALL FASTENERS AND HINGES SHALL BE STAINLESS STEEL.
 - CORD ACCESS DOOR SHALL BE SPRING LOAD AND SHALL PROVIDE IN-USE RATING WHILE LOADS ARE CONNECTED TO RECEPTACLES.
 - ALL ABOVE ITEMS INCLUDING CONCRETE FOUNDATION SHALL BE INCLUDED IN THE "GFI RECEPTACLE BOX, 120V" PAY ITEM.



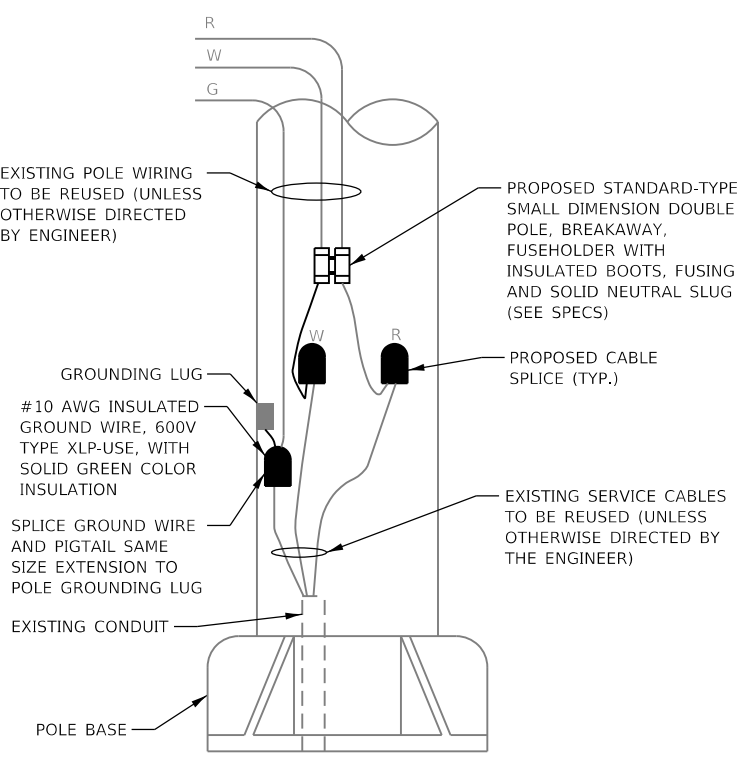
GFI RECEPTACLE BOX, 120V DETAIL
N.T.S.



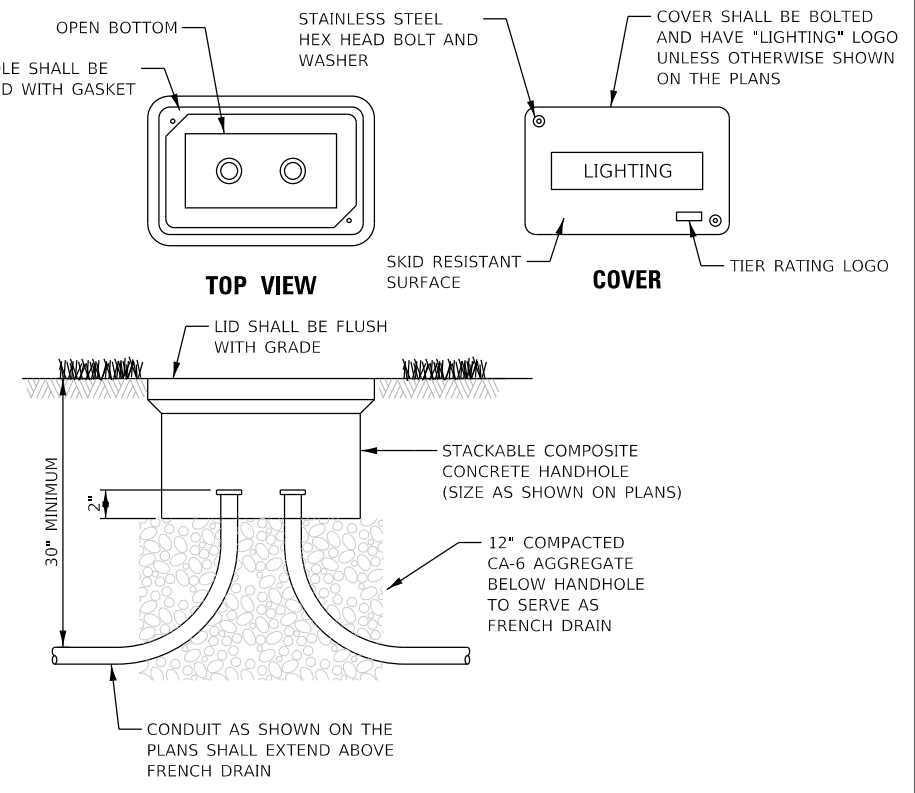
SECTION B-B



POLE WIRING DETAIL FOR PROPOSED LIGHT POLES
N.T.S.



POLE WIRING DETAIL FOR EXISTING LIGHT POLES
N.T.S.



ELEVATION

- NOTES:
- ALL SPLICES SHALL BE WATERPROOF (SEE SPLICING DETAIL THIS SHEET).
 - POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREEN IN LANDSCAPED AREAS AND MATCH COLOR IN CONCRETE/BRICK AREAS.
 - BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS, AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SCTE 77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTERN UNDERGROUND COMMITTEE GUIDE 3.6.

COMPOSITE CONCRETE HANDHOLE DETAIL
N.T.S.

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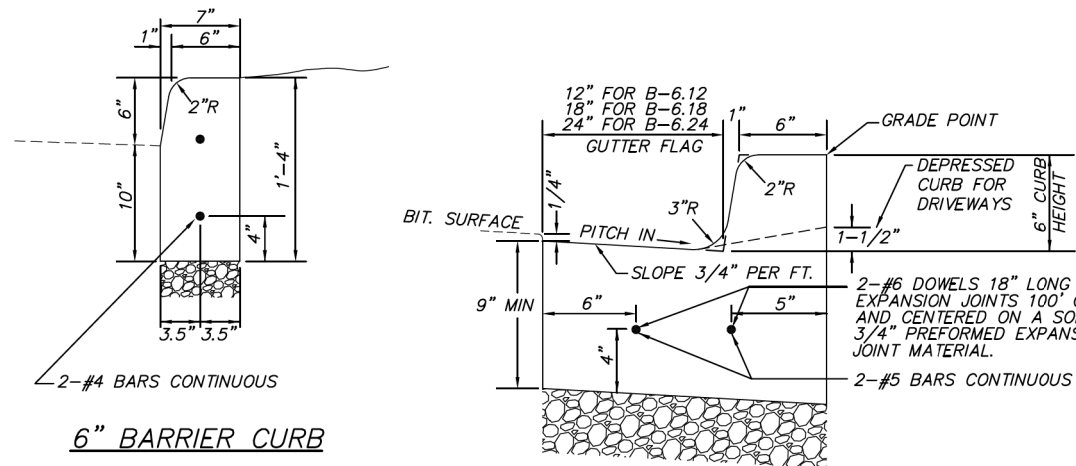
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	DRAWN -	REVISED -
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PLOT DATE = 10/20/2023	DATE - 10/13/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING LIGHTING DETAILS

SCALE: N.T.S. SHEET 7 OF 7 SHEETS STA. TO STA.

N/A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	19
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				



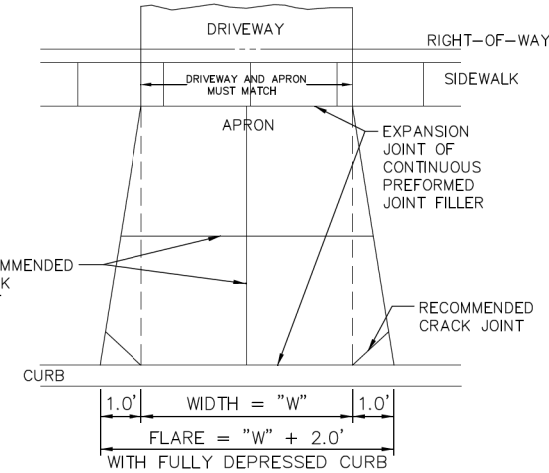
6" BARRIER CURB

B-6.12 CURB & GUTTER

- NOTES:**
1. TAPER CURB TO 5'-0" EACH SIDE OF INLET WITH EXPANSION JOINTS.
 2. CONTRACTION JOINTS TO BE TOOLED OR SAWCUT EVERY 15' TO A MINIMUM DEPTH OF 1 1/2".
 3. MINIMUM 4" CA6 CRUSHED STONE BEDDING UNDER ALL CURBS.
 4. ONLY CLASS SI CONCRETE SHALL BE USED.
 5. DEPRESSED CURB FOR SIDEWALK RAMP SHALL BE 0.5 INCHES IN HEIGHT. SLOPE SHALL BE NO GREATER THAN 5% (0.6" PER FT.).

CURB DETAILS

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW	2.	SLOPE	SLW	6/14
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: CURBS.DWG	SHEET NO. 1	OF 1		



NOTE: MINIMUM WIDTH, "W" = 10'; MINIMUM FLARE = 12'
MAXIMUM WIDTH, "W" = 28'; MAXIMUM FLARE = 30'

NOTES:

1. THE APRON SHALL CONSIST OF: 6" CONCRETE WITH 6" X 6", NO. 10 STEEL MESH REINFORCED, OVER 4" CA6 CRUSHED STONE OR GRAVEL. CONCRETE TO BE 6 BAG MIX, 3500 psi COMPRESSIVE STRENGTH
2. THE DRIVEWAY SHALL CONSIST OF THE FOLLOWING: 6" STONE AND 2" ASPHALT, OR 4" CONCRETE AND 4" STONE, W/ WIRE MESH REINFORCEMENT.
3. CONCRETE MUST BE CURED IN ACCORDANCE WITH IDOT SPECIFICATIONS.

APRON DETAIL

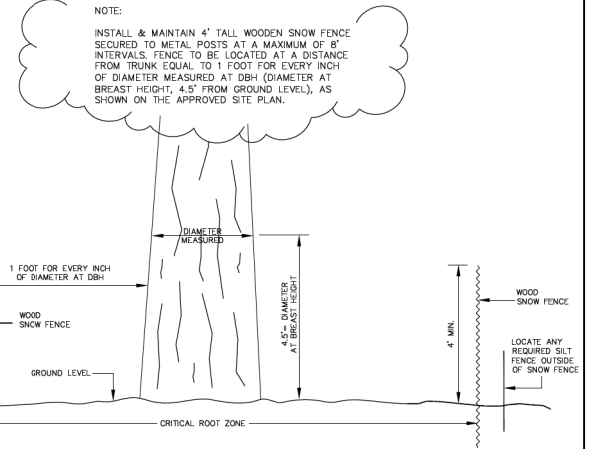
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DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW	2.	SLOPE	SLW	6/14
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: DWDWTAIL.DWG	SHEET NO. 1	OF 1		

TREE PROTECTION FENCING SHALL CONSIST OF WOODEN SNOW FENCE SECURED TO METAL POSTS AT A MAXIMUM OF 8' INTERVALS. EROSION CONTROL FENCING IN CONJUNCTION WITH TREE PROTECTION FENCING MUST NOT BE TRENCHED INTO THE GROUND. AN ALTERNATE VILLAGE APPROVED METHOD MUST BE UTILIZED. AT A MINIMUM, SIGNS WHICH ARE LEGIBLE AT 10 FEET SHALL BE POSTED AND MAINTAINED AT INTERVALS NO LESS THAN 30 FEET WHICH CLEARLY STATE: "TREE PROTECTION AREA - DO NOT ENTER. DO NOT MOVE OR ALTER FENCE. VIOLATION SUBJECT TO FINE OR WORK STOPPAGE."

THE VILLAGE MAY, AT ITS OPTION, INSTALL THE FENCING UTILIZING FUNDS DEPOSITED WITH THE VILLAGE BY THE DEVELOPER FOR THAT PURPOSE. ALL TREE PROTECTION FENCINGS MUST BE INSTALLED AND MAINTAINED PRIOR TO ANY CONSTRUCTION AS APPROVED BY THE VILLAGE AS PART OF THE APPROVAL PROCESS. IN NO CASE SHALL TREE PROTECTION FENCING BE REMOVED, BREACHED, TEMPORARILY REMOVED, ALTERED, OR RELOCATED WITHOUT WRITTEN AUTHORIZATION FROM THE DEPARTMENT OF COMMUNITY DEVELOPMENT OF THE VILLAGE.

THE REMOVAL, TEMPORARY REMOVAL, ALTERATION OR RELOCATION OF AN INSTALLED TREE PROTECTION FENCE WITHOUT WRITTEN AUTHORIZATION FROM THE DEPARTMENT OF COMMUNITY DEVELOPMENT OF THE VILLAGE SHALL INURE A PENALTY OF \$1000 PER OCCURRENCE. THE DEVELOPER/BUILDER SHALL BE RESPONSIBLE FOR PAYING THIS PENALTY.

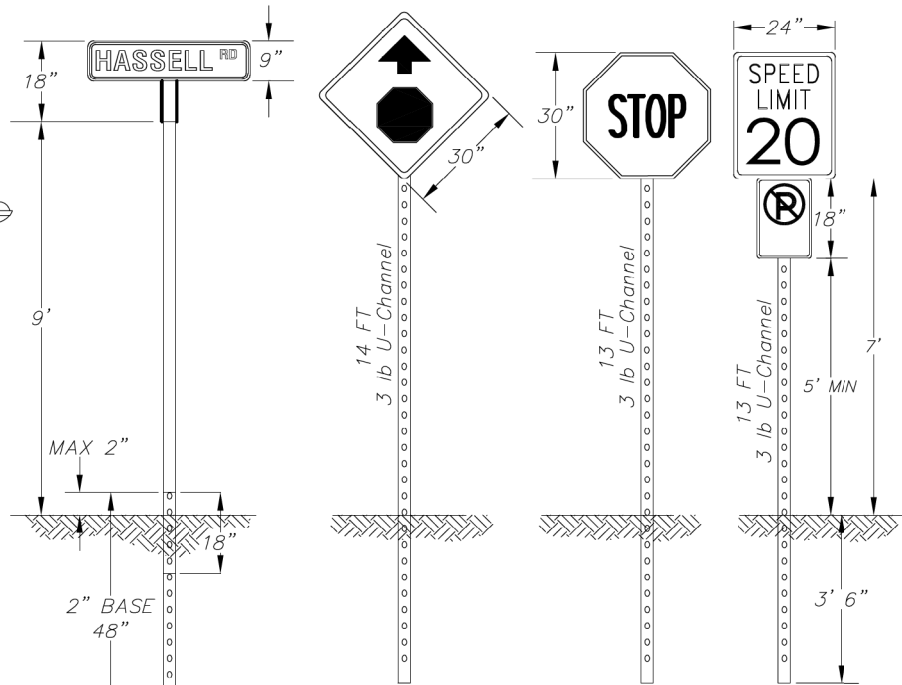
ENTERING A TREE PRESERVATION AREA THAT WAS REQUIRED TO BE FENCED SHALL RESULT IN AN ADDITIONAL PENALTY OF \$50 PER DIAMETER INCH FOR ANY TREE THAT IS DAMAGED IN THE OPINION OF THE VILLAGE, INCLUDING, BUT NOT LIMITED TO, GRADING, TRENCHING, LIMB OR BARK REMOVAL, STORAGE OF MATERIALS OR PARKING OF VEHICLES. THE COST OF ANY NECESSARY REMEDIAL TREE CARE ACTION, IN THE OPINION OF THE VILLAGE, SHALL BE THE RESPONSIBILITY OF THE BUILDER/DEVELOPER.



NOTE:
REFER TO THE VILLAGE OF HOFFMAN ESTATES' SUBDIVISION CODE SECTION 10-4-7 FOR FURTHER TREE PRESERVATION STANDARDS.

TREE PROTECTION DETAIL

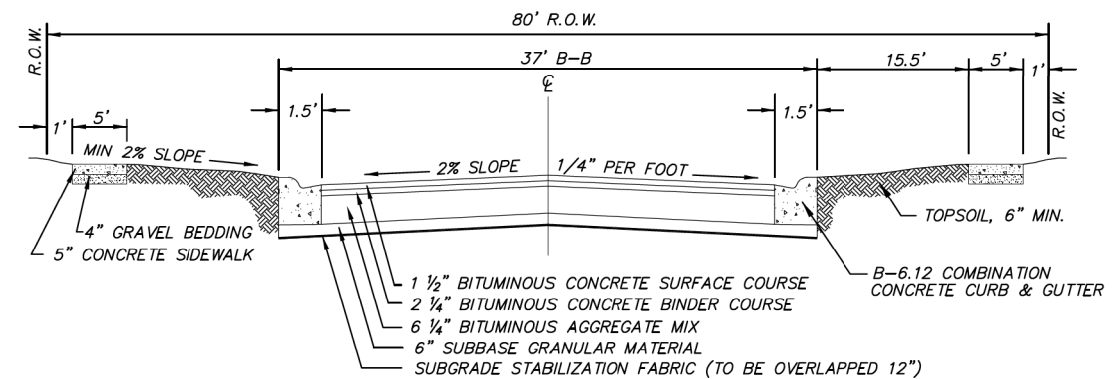
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DRAFTER	SLW	2.	SLOPE	SLW	6/14
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: TREEPROT.DWG	SHEET NO. 1	OF 1		



12 FT 1 3/4" 14 GAUGE QUICK PUNCH POST WITH 4 FT 2" 12 GAUGE BASE

SIGN POSTING DETAIL

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	Sizes & Hts	SLW	10/07
DRAFTER	SLW	2.	MISC UPDATES	SLW	2/10
VILLAGE OF HOFFMAN ESTATES ENGINEERING DIVISION	FILE NAME: SIGNSPEC.DWG	SHEET NO. 1	OF 1		



NOTE: PRIOR TO PLACEMENT OF STABILIZATION FABRIC, SUBGRADE IS TO BE PROOFROLLED WITH THE VILLAGE ENGINEER PRESENT. PAVEMENT MARKINGS TO BE 3M™ STAMARK™ TAPES. CHECK WITH THE VILLAGE ENGINEER FOR CURRENT MIX DESIGNS.

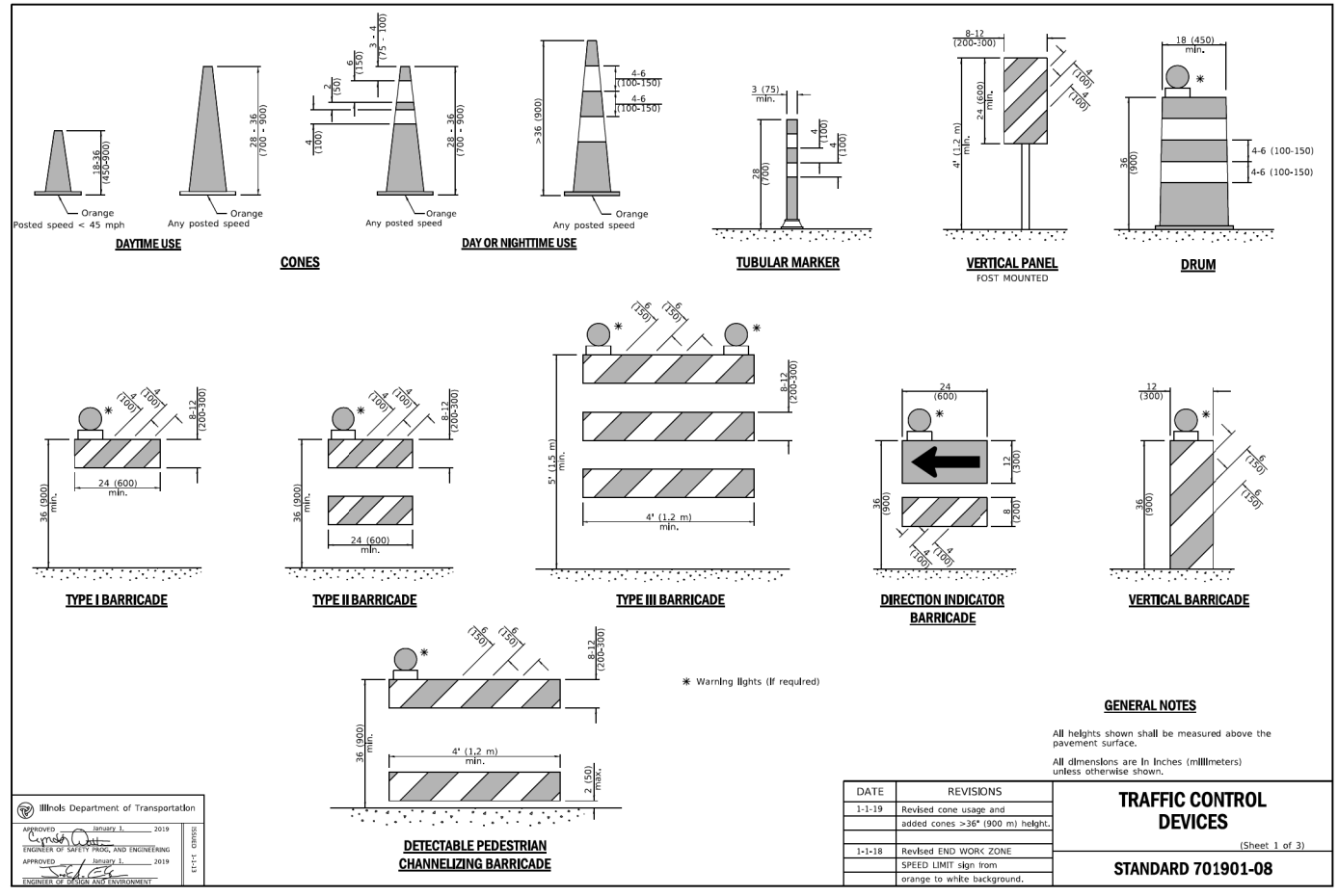
CROSS SECTION FOR ≥ 80 FOOT ROW

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW	2.	SLOPE	SLW	6/14
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: ROAD80.DWG	SHEET NO. 1	OF 1		

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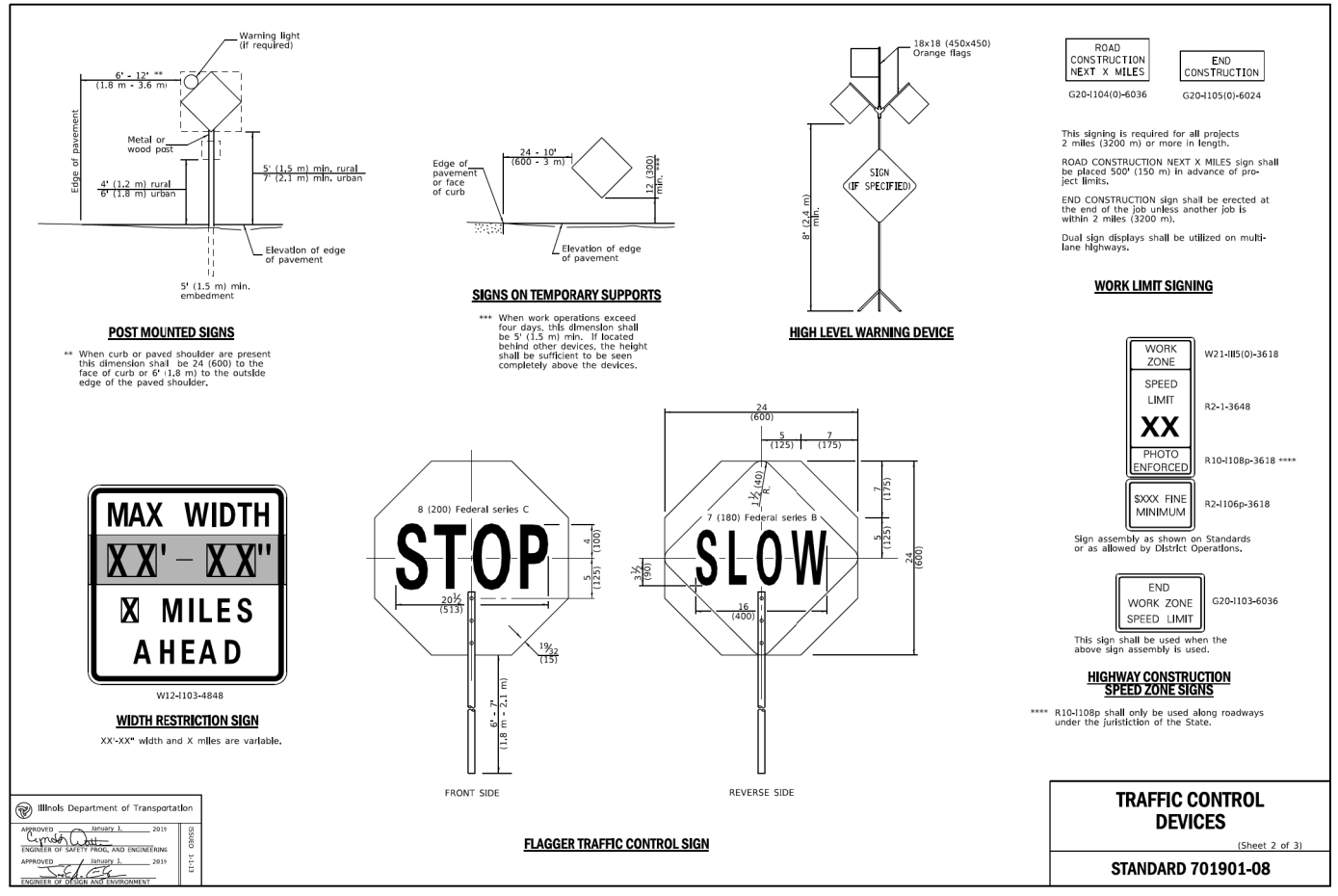
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	DATE - 10/13/2023	REVISED -

N/A	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	N/A	COOK	24	20
			CONTRACT NO.	N/A	
			ILLINOIS	FED. AID PROJECT	



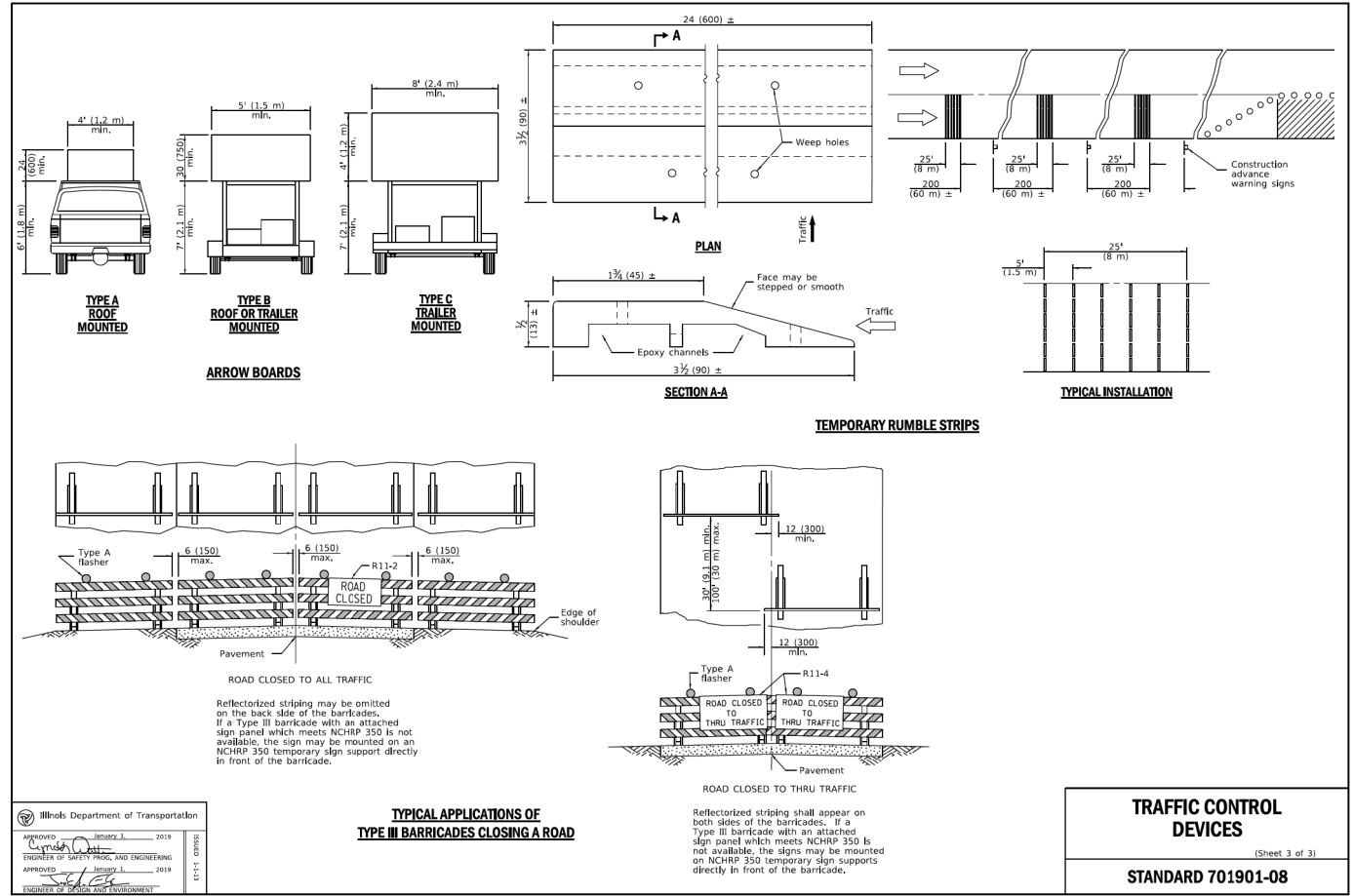
Illinois Department of Transportation
 Approved January 3, 2019
 ENGINEER OF SAFETY PRACTICE AND ENGINEERING
 APPROVED January 3, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS	TRAFFIC CONTROL DEVICES
1-1-19	Revised cone usage and added cones >36" (900 mm) height.	(Sheet 1 of 3)
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.	STANDARD 701901-08



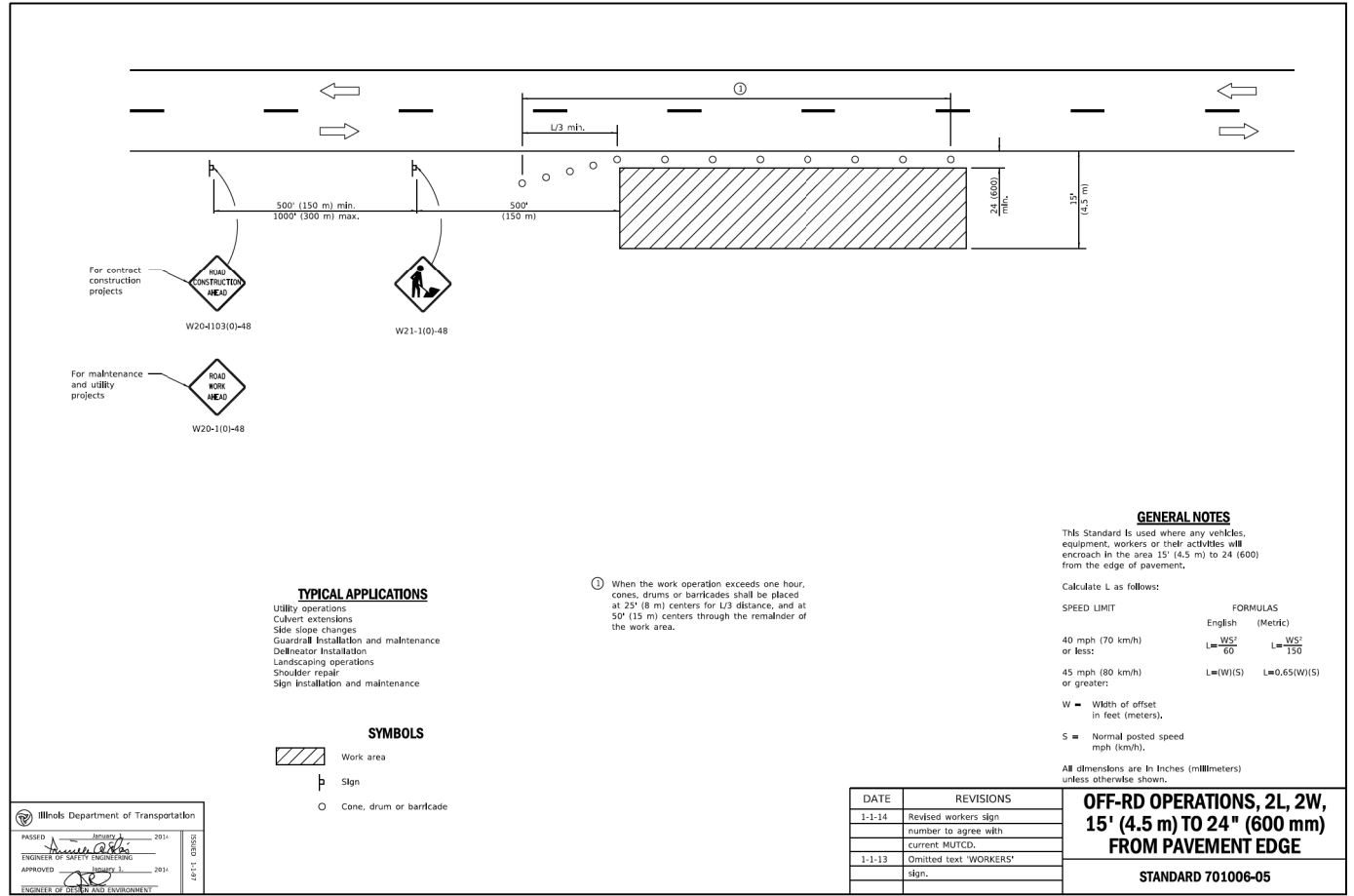
Illinois Department of Transportation
 Approved January 3, 2019
 ENGINEER OF SAFETY PRACTICE AND ENGINEERING
 APPROVED January 3, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS	TRAFFIC CONTROL DEVICES
1-1-19	Revised workers sign number to agree with current MUTCD.	(Sheet 2 of 3)
1-1-13	Omitted text "WORKERS" sign.	STANDARD 701901-08



Illinois Department of Transportation
 Approved January 3, 2019
 ENGINEER OF SAFETY PRACTICE AND ENGINEERING
 APPROVED January 3, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS	TRAFFIC CONTROL DEVICES
1-1-14	Revised workers sign number to agree with current MUTCD.	(Sheet 3 of 3)
1-1-13	Omitted text "WORKERS" sign.	STANDARD 701901-08



Illinois Department of Transportation
 Approved January 3, 2019
 ENGINEER OF SAFETY PRACTICE AND ENGINEERING
 APPROVED January 3, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
1-1-14	Revised workers sign number to agree with current MUTCD.	(Sheet 3 of 3)
1-1-13	Omitted text "WORKERS" sign.	STANDARD 701006-05

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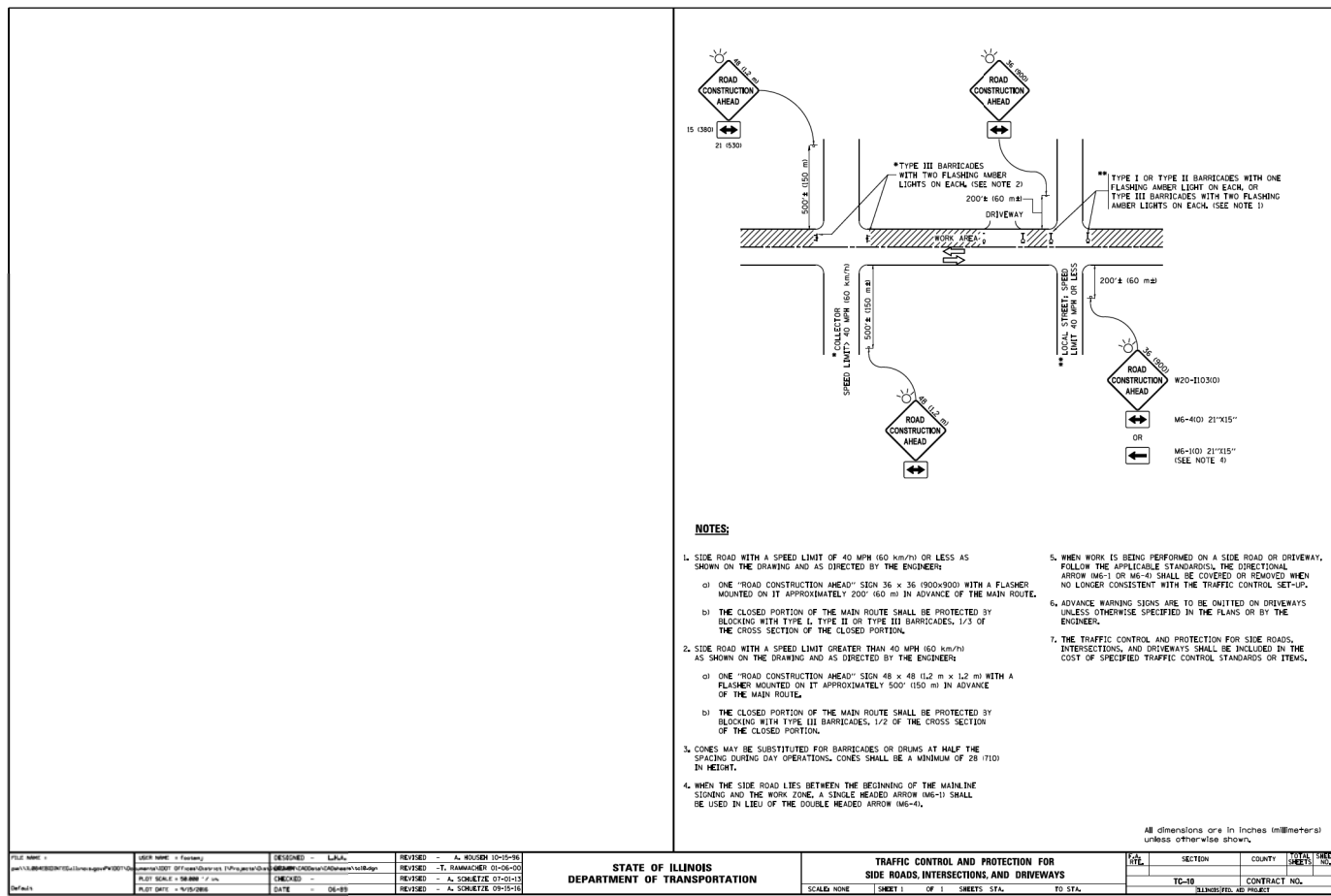
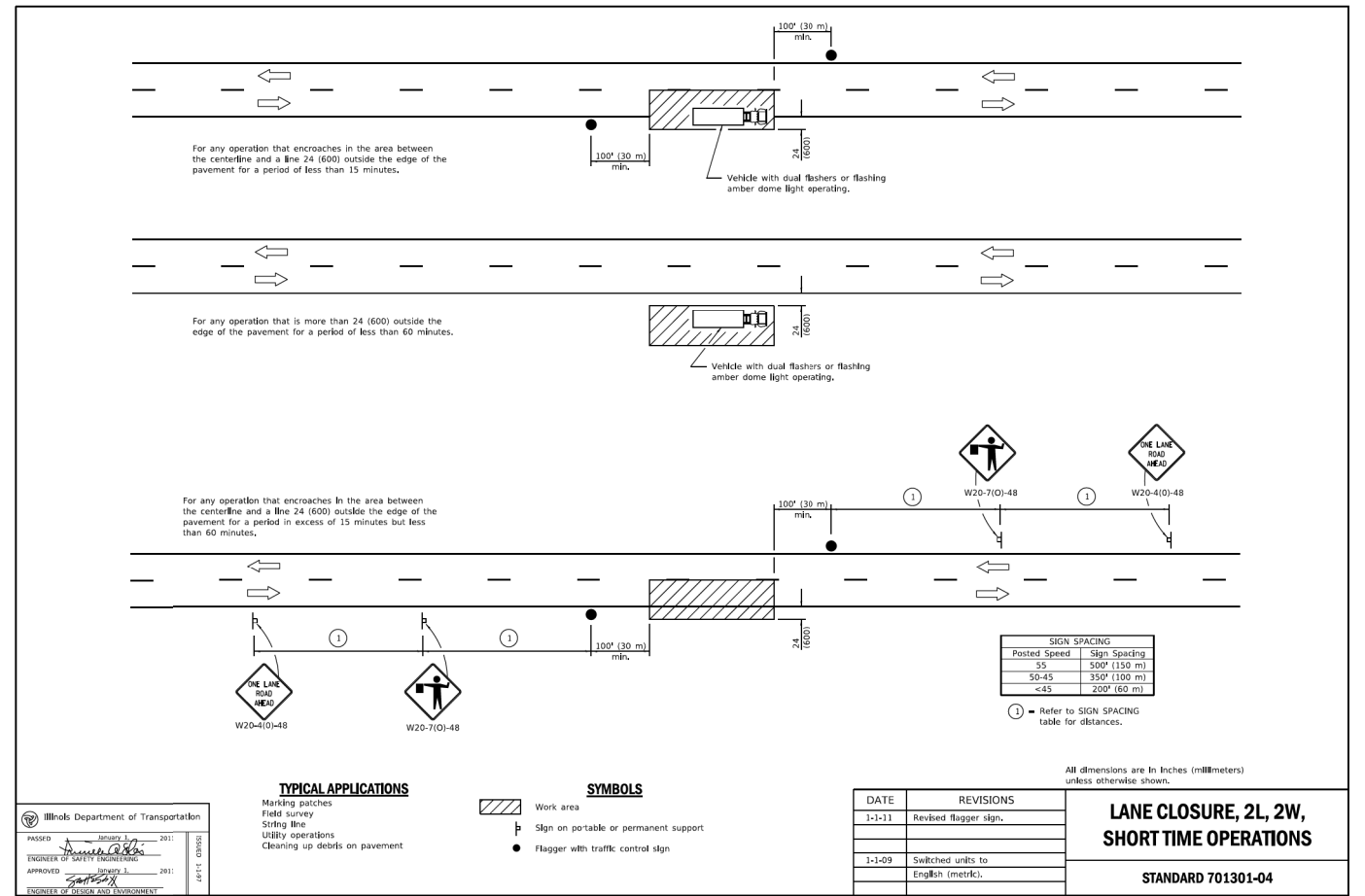
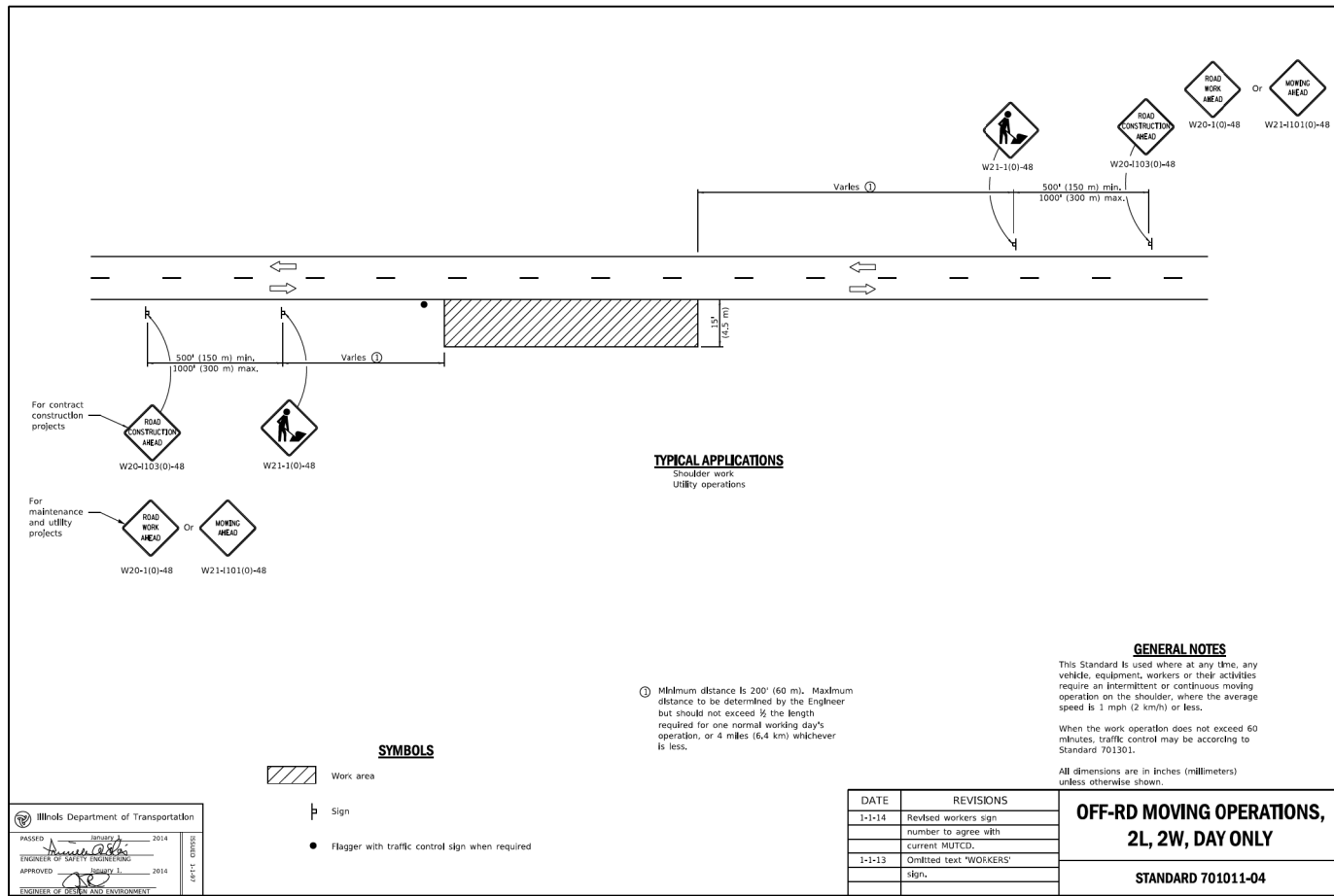
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	DATE - 10/13/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA. TO STA.
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PROPOSED COLLECTOR STREET LIGHTING
 MOT DETAILS

N/A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	21
		CONTRACT NO.	N/A	
ILLINOIS	FED. AID PROJECT			



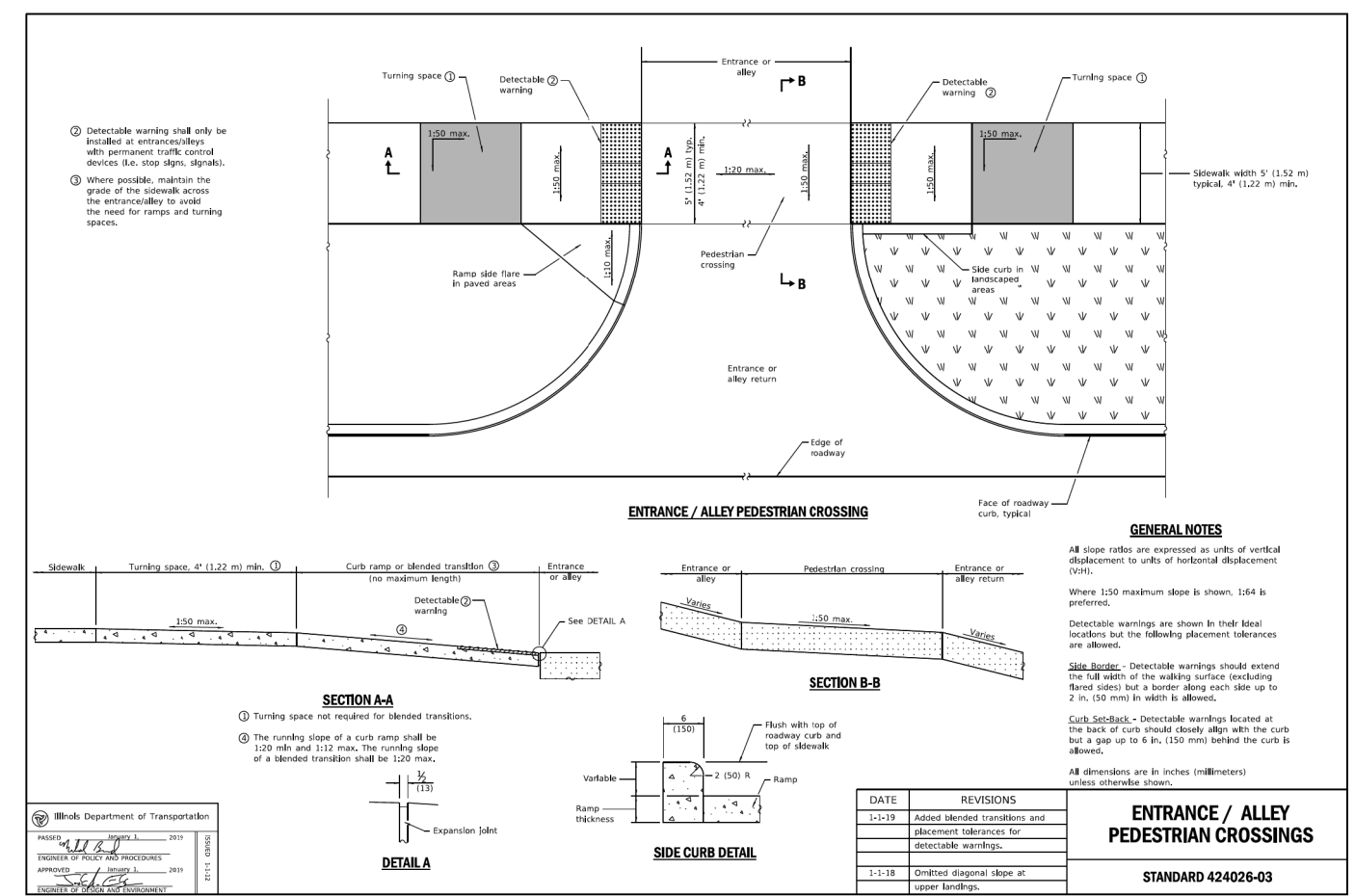
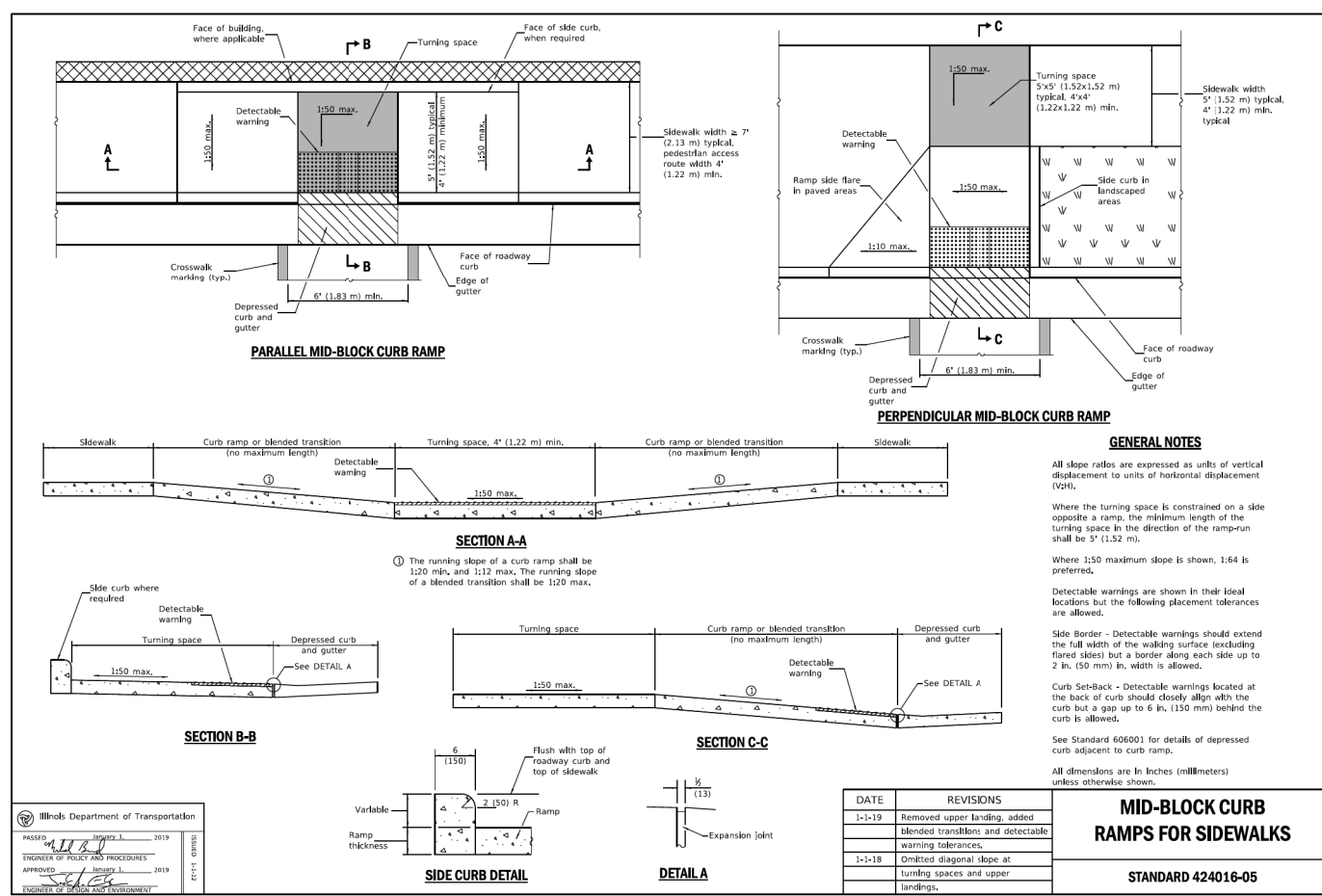
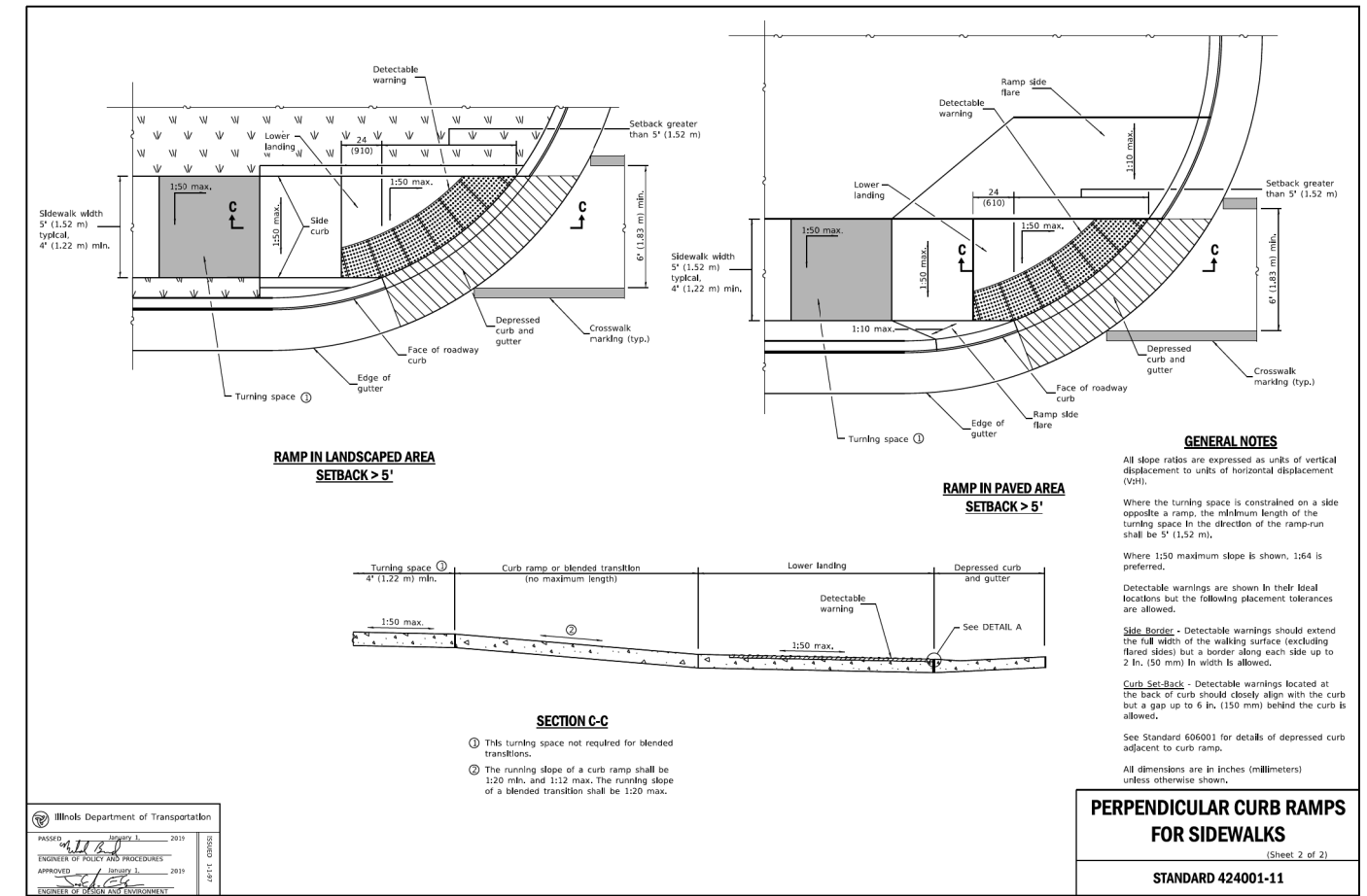
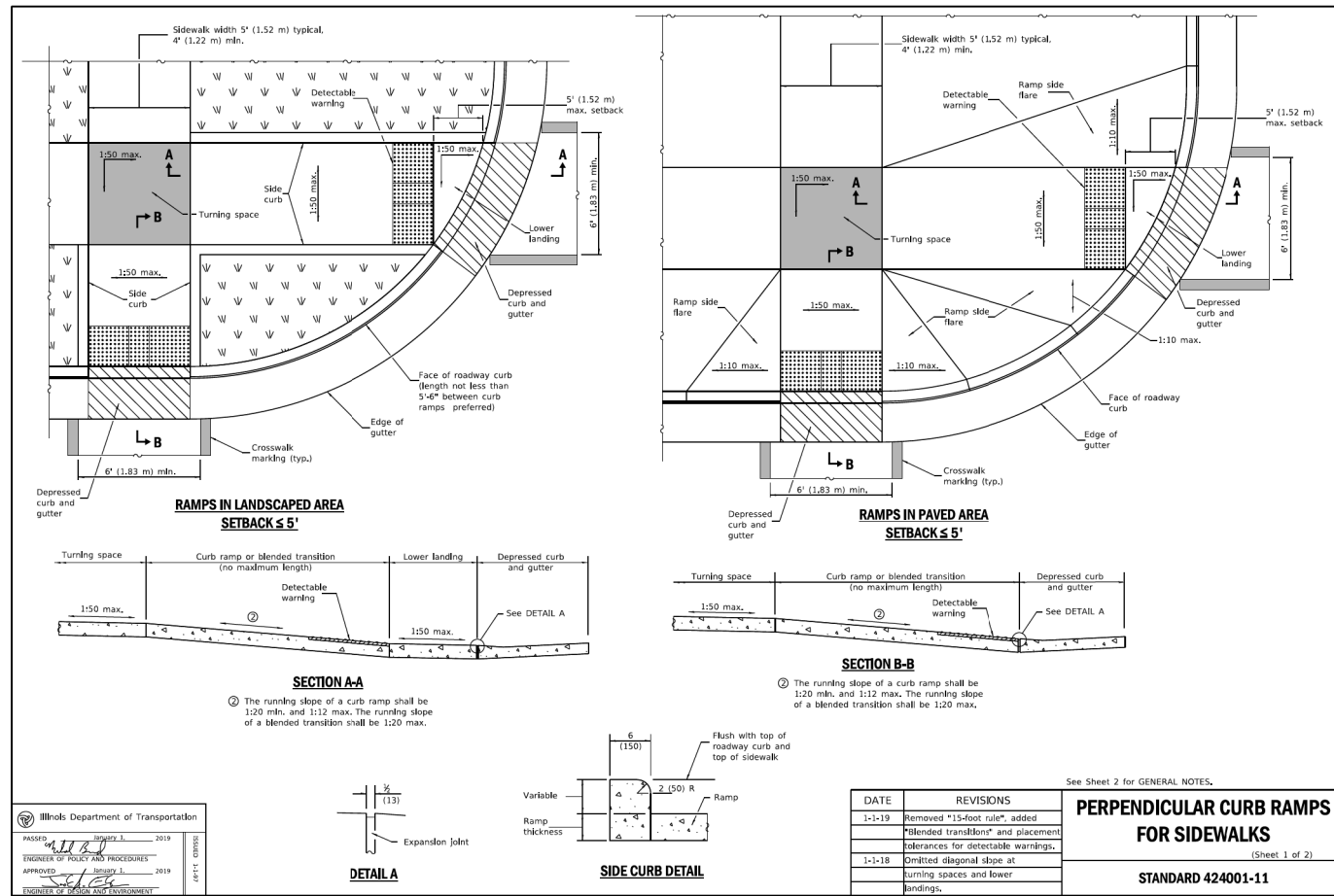
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VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING		N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MOT DETAILS		N/A	N/A	COOK	24	22
SCALE: N.T.S.		SHEET 2 OF 2 SHEETS		CONTRACT NO.		N/A
TO STA.		TO STA.		ILLINOIS		FED. AID PROJECT



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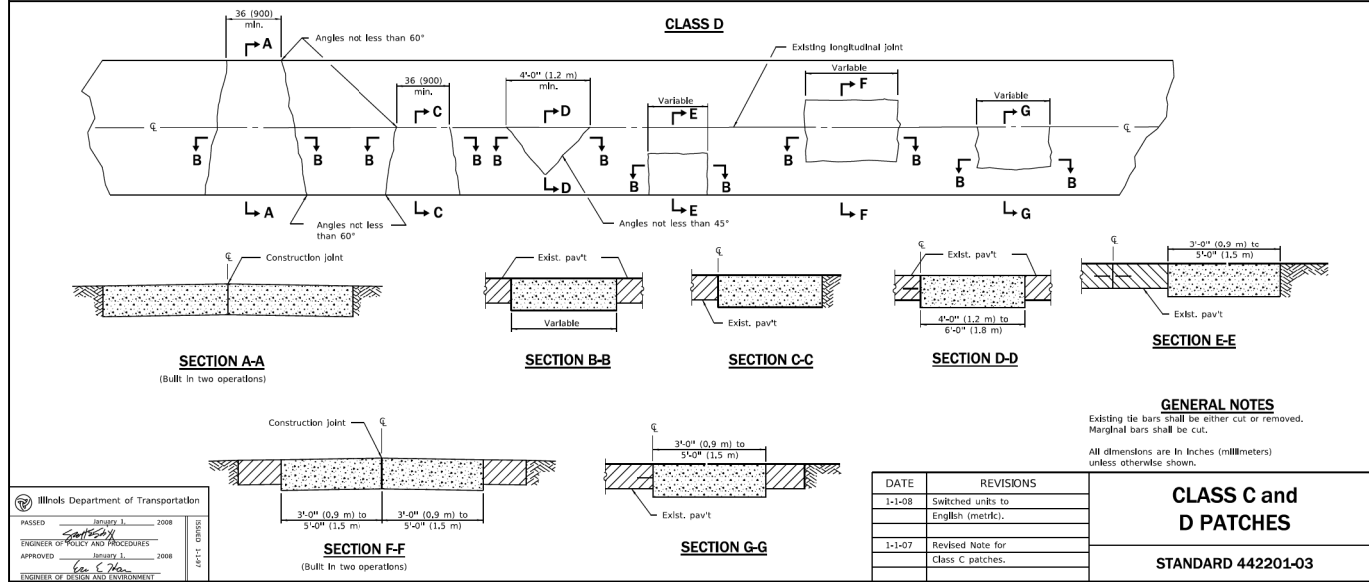
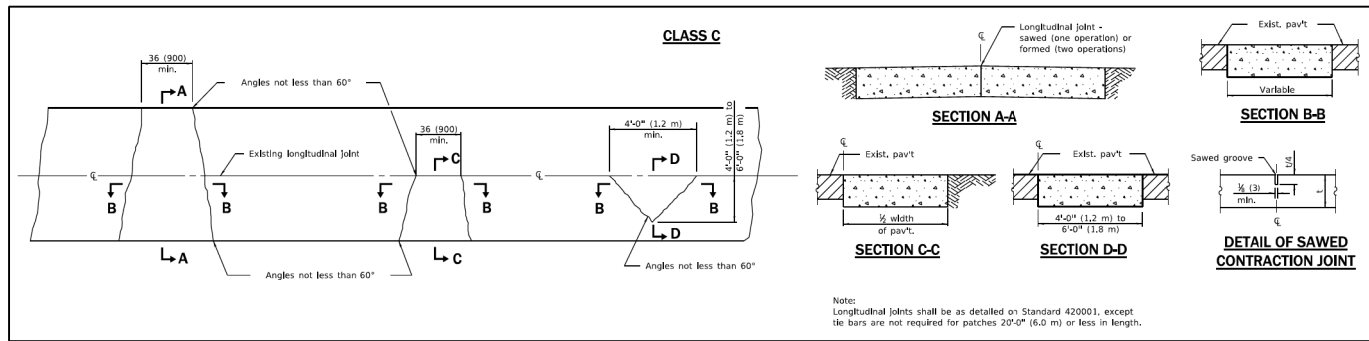
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	DATE - 10/13/2023	REVISED -

VILLAGE OF HOFFMAN ESTATES

PROPOSED COLLECTOR STREET LIGHTING CIVIL DETAILS

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

N/A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	23
CONTRACT NO.			N/A	
ILLINOIS FED. AID PROJECT				



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VILLAGE OF HOFFMAN ESTATES

**PROPOSED COLLECTOR STREET LIGHTING
CIVIL DETAILS**

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

N/A	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	N/A	COOK	24	24
CONTRACT NO.			N/A	
ILLINOIS		FED. AID PROJECT		