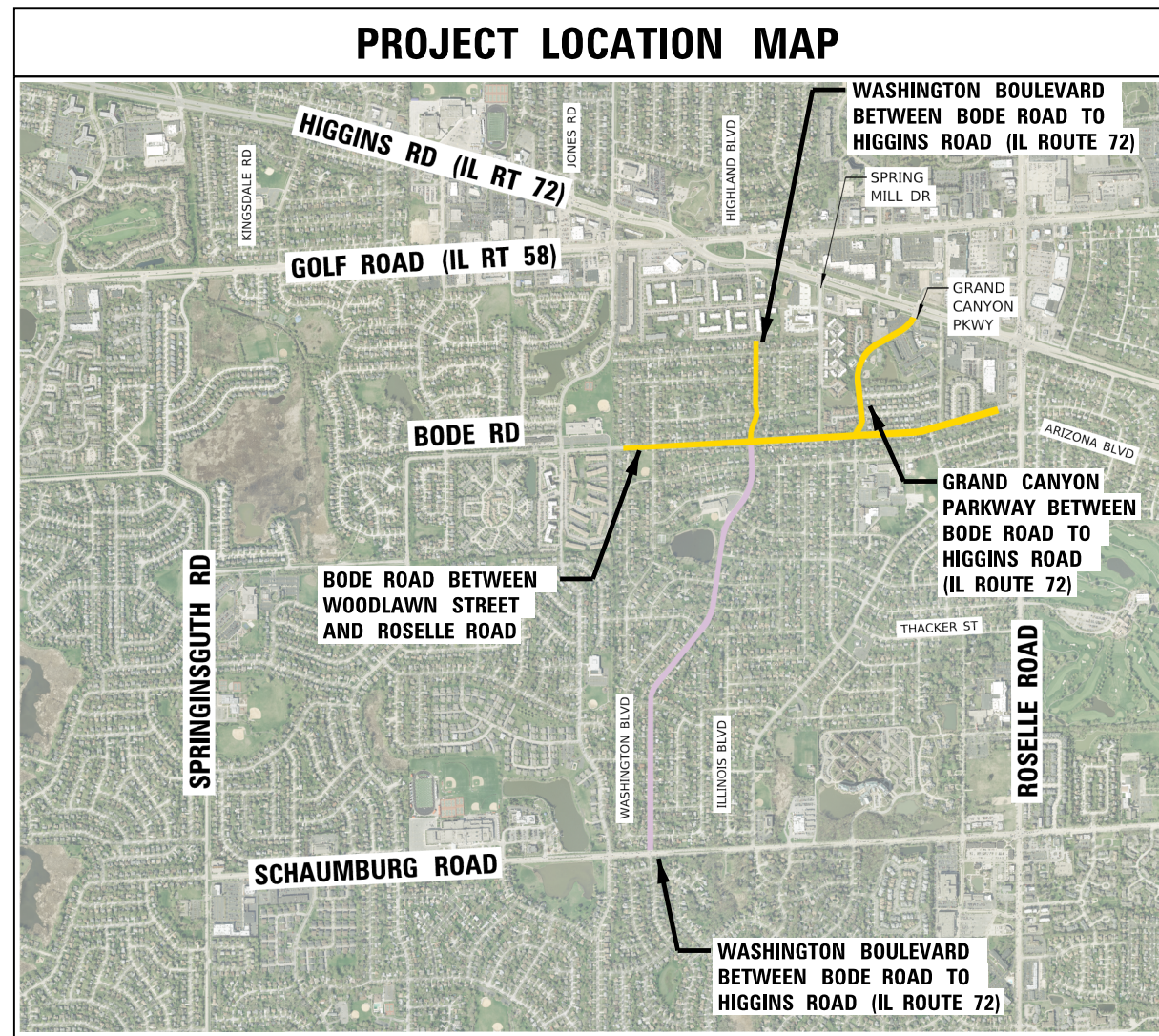


COLLECTOR STREET LIGHTING IMPROVEMENTS BODE RD, GRAND CANYON PKWY, AND WASHINGTON BLVD SECTION NO. 26-00121-00-LT

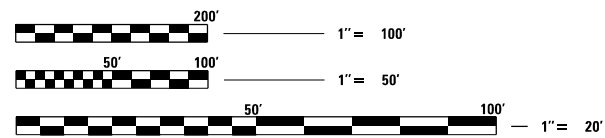
INDEX OF SHEETS

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| 6 | WASHINGTON BLVD NORTH OF BODE ROAD PROPOSED LIGHTING PLAN |
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Katrina Lopez
DATE: 6/8/2026
SEAL EXPIRES: 11/30/2027

| 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 |



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

FOR BID



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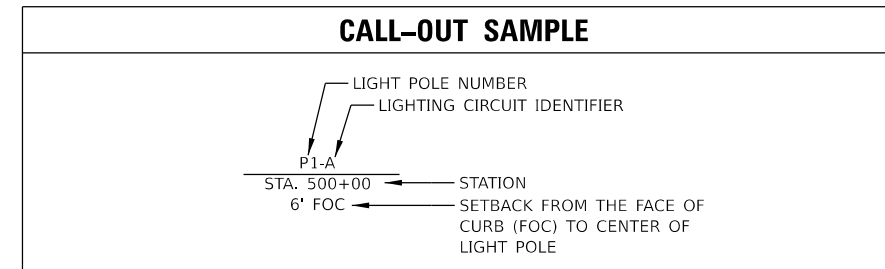
DESIGN FIRM REGISTRATION NUMBER: 184-001016

COLLECTOR STREET LIGHTING IMPROVEMENTS

| | |
|--------------|---------------|
| JUNE 8, 2026 | SHEET 1 OF 25 |
|--------------|---------------|

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.
- TREE PROTECTION SHALL BE PROVIDED FOR ANY TREE LOCATED WITHIN 10 FEET OF CONSTRUCTION ACTIVITIES, OR AS DIRECTED BY THE ENGINEER.



SUMMARY OF QUANTITIES

| ITEM # | ITEM DESCRIPTION | UNIT | QUANTITY |
|----------|---|-------|----------|
| 20101100 | TREE TRUNK PROTECTION | EACH | 9 |
| 20101350 | TREE PRUNING (OVER 10 INCH DIAMETER) | EACH | 5 |
| 20101400 | NITROGEN FERTILIZER NUTRIENT | POUND | 22 |
| 20101500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 22 |
| 20101600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 22 |
| 20101700 | SUPPLEMENTAL WATERING | UNIT | 3 |
| 20800150 | TRENCH BACKFILL | CU YD | 20 |
| 21101600 | TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH | SQ YD | 1180 |
| 25000100 | SEEDING, CLASS 1 | ACRE | 1 |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 1180 |
| 35101600 | AGGREGATE BASE COURSE, TYPE B 4" | SQ YD | 74 |
| 42300200 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH | SQ YD | 22 |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 264 |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 45 |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 200 |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 264 |
| 44201761 | CLASS D PATCHES, TYPE I, 10 INCH | SQ YD | 24 |
| 60603800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 200 |
| 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 | 2107 |
| 81603037 | UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE | FOOT | 844 |
| 81603100 | UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE | FOOT | 16181 |
| 81702150 | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2 | FOOT | 895 |
| 82110005 | LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E | EACH | 9 |
| 82110006 | LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F | EACH | 86 |
| 82500350 | LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP | EACH | 2 |
| 83006000 | LIGHT POLE, ALUMINUM, 25 FT. M.H., 8 FT. MAST ARM | EACH | 9 |
| 83006300 | LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM | EACH | 86 |
| 83600352 | LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6" | EACH | 87 |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 |
| X7240502 | RELOCATE SIGN, SPECIAL | EACH | 1 |
| X8210405 | LUMINAIRE SHIELD | EACH | 20 |
| X8300206 | REMOVE AND REINSTALL LIGHT POLES | L SUM | 1 |
| X8360215 | LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET | FOOT | 140 |
| XX003338 | TEST HOLE | EACH | 105 |
| 20033026 | 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 |
| | INSTALL LIGHT POLE, ALUMINUM, 25 FT. M.H., 8 FT. MAST ARM WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E 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 |
| | EXISTING LUMINAIRE MOUNTED TO COM ED WOOD POLE (OWNED AND MAINTAINED BY COM ED) |

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

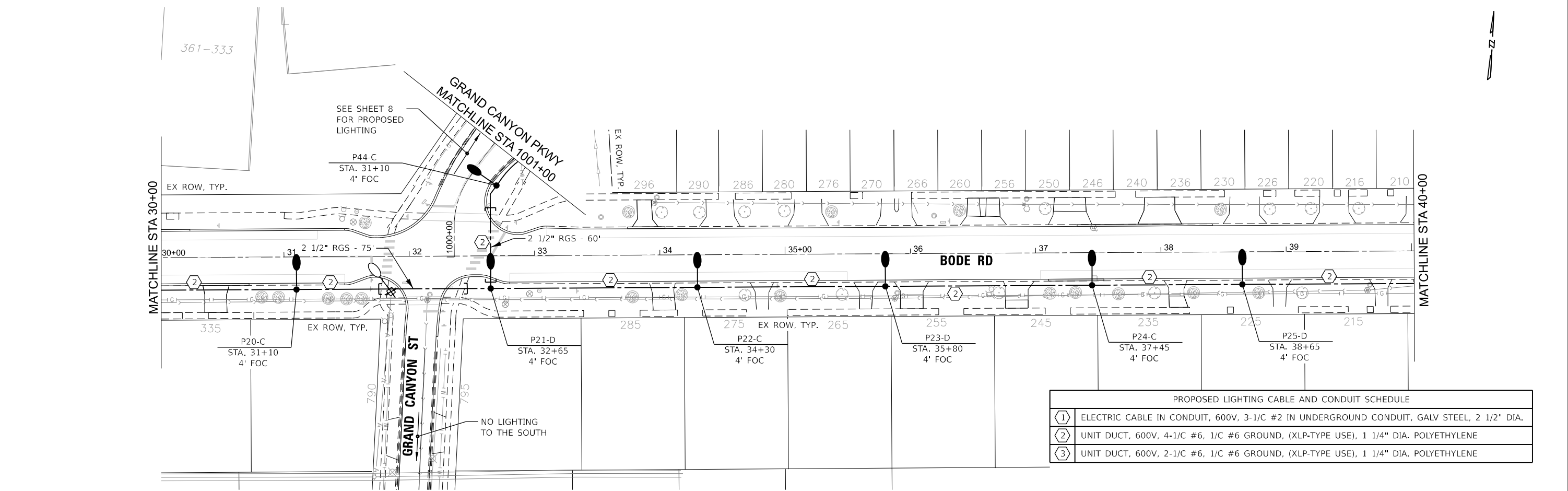
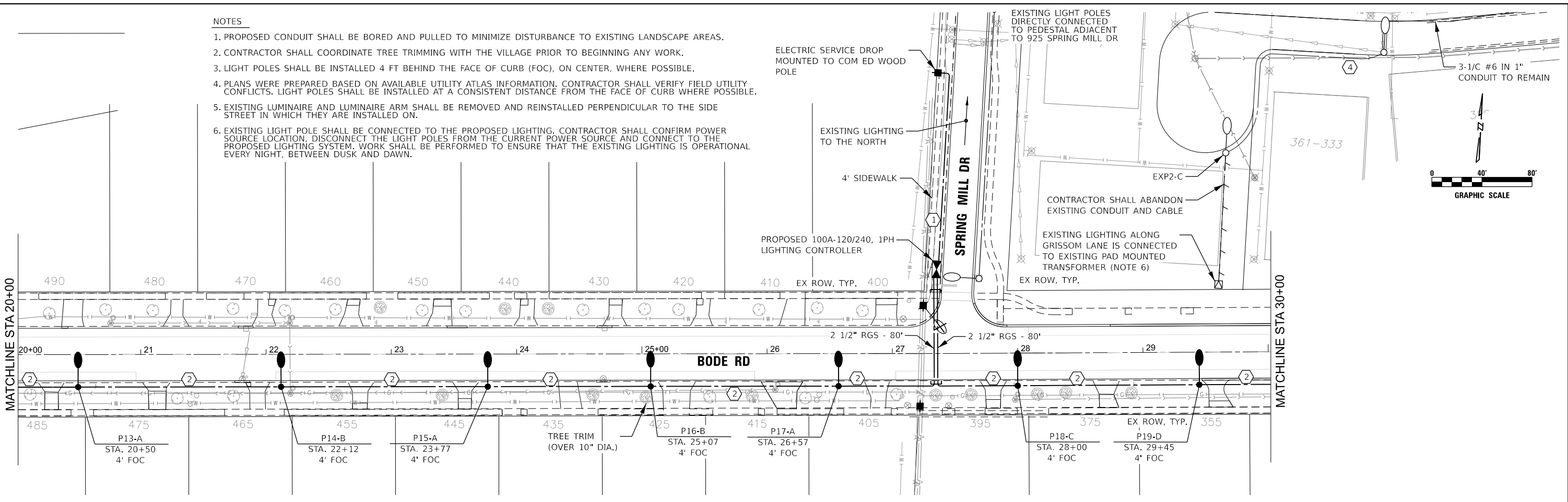
GENERAL NOTES, LEGEND, AND SOO

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

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|--------------|----------------|------------------|--------------|-----------|
| N/A RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 2 |
| 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. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
3. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
4. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL VERIFY FIELD UTILITY CONFLICTS. LIGHT POLES SHALL BE INSTALLED AT A CONSISTENT DISTANCE FROM THE FACE OF CURB WHERE POSSIBLE.
5. EXISTING LUMINAIRE AND LUMINAIRE ARM SHALL BE REMOVED AND REINSTALLED PERPENDICULAR TO THE SIDE STREET IN WHICH THEY ARE INSTALLED ON.
6. EXISTING LIGHT POLE SHALL BE CONNECTED TO THE PROPOSED LIGHTING. CONTRACTOR SHALL CONFIRM POWER SOURCE LOCATION, DISCONNECT THE LIGHT POLES FROM THE CURRENT POWER SOURCE AND CONNECT TO THE PROPOSED LIGHTING SYSTEM. WORK SHALL BE PERFORMED TO ENSURE THAT THE EXISTING LIGHTING IS OPERATIONAL EVERY NIGHT, BETWEEN DUSK AND DAWN.



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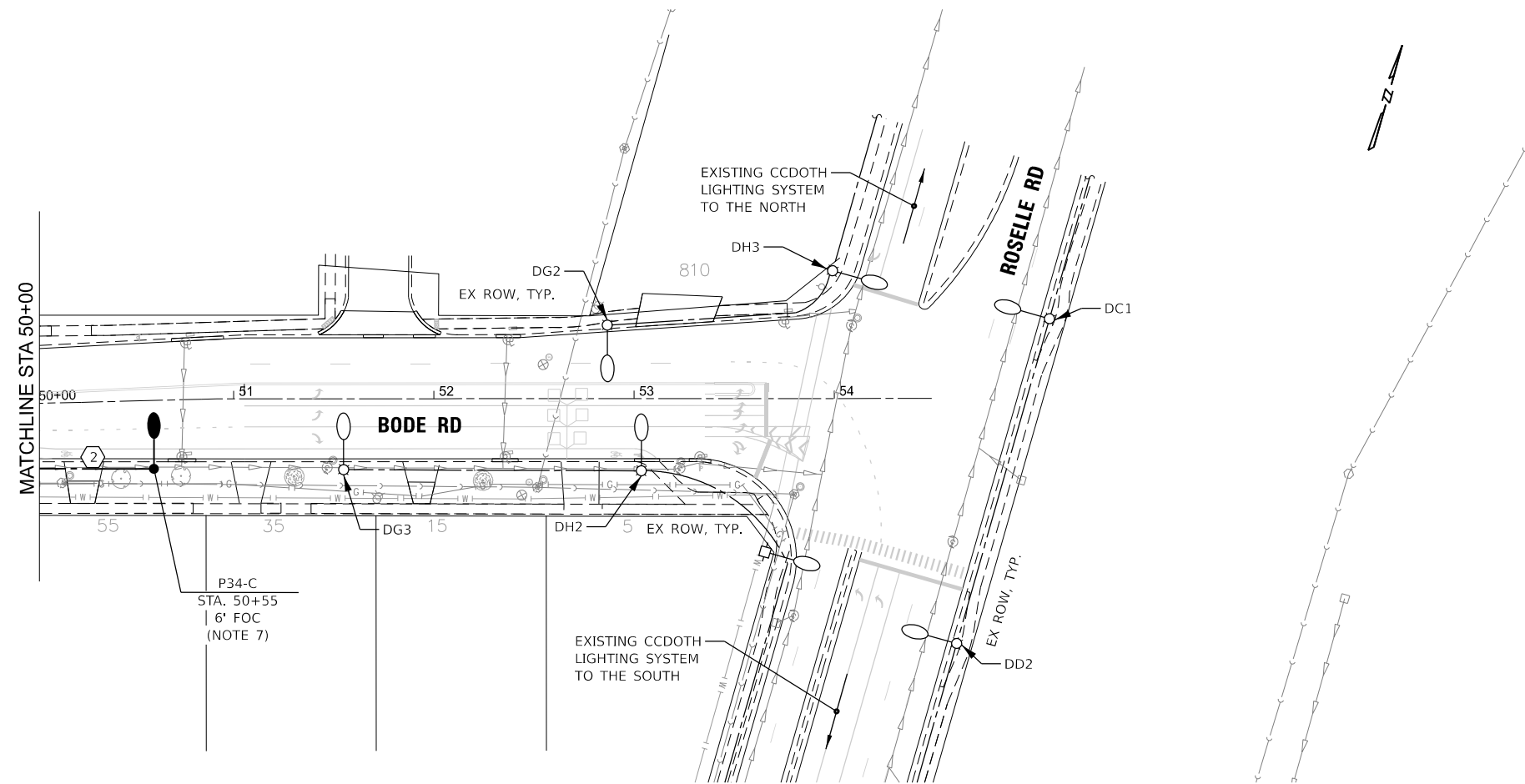
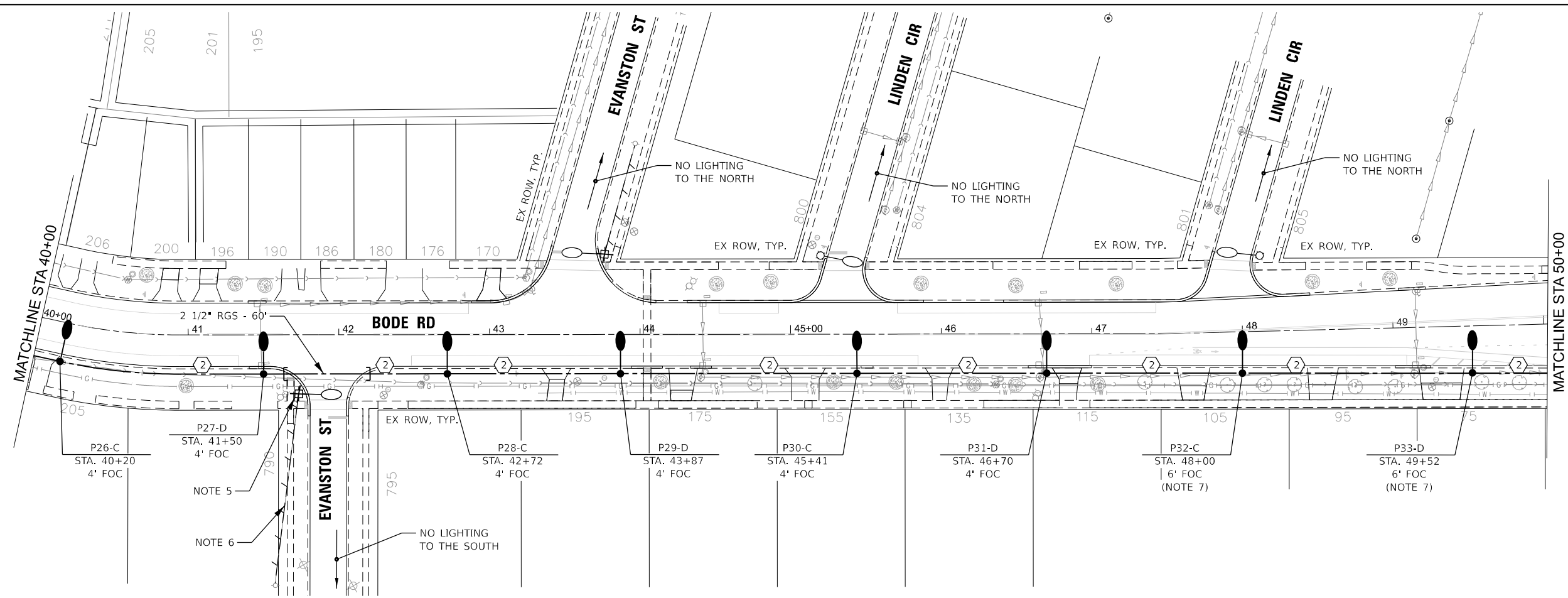
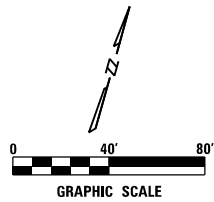
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VILLAGE OF HOFFMAN ESTATES

| | |
|---|---------------------|
| BODE ROAD PROPOSED LIGHTING PLAN | |
| SCALE: 1" = 40' | SHEET 2 OF 3 SHEETS |
| STA. | TO STA. |

| | | | | |
|-----|----------------|--------------|------------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 4 |
| | | 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. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
 3. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
 4. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL VERIFY FIELD UTILITY CONFLICTS. LIGHT POLES SHALL BE INSTALLED AT A CONSISTENT DISTANCE FROM THE FACE OF CURB WHERE POSSIBLE.
 5. EXISTING LUMINAIRE AND WOOD POLE TO BE REMOVED BY COM ED (CONTRACTOR TO COORDINATE WITH VILLAGE).
 6. EXISTING OVERHEAD ELECTRIC LINE TO BE REMOVED BY COM ED (CONTRACTOR TO COORDINATE WITH VILLAGE).
 7. CONTRACTOR SHALL COORDINATE LIGHT POLE LOCATION BASED ON LOCATION OF EXISTING STORM SEWER. CONTRACTOR SHALL COORDINATE THIS WORK WITH THE VILLAGE/ENGINEER.

| 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 #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |
| ③ | UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |

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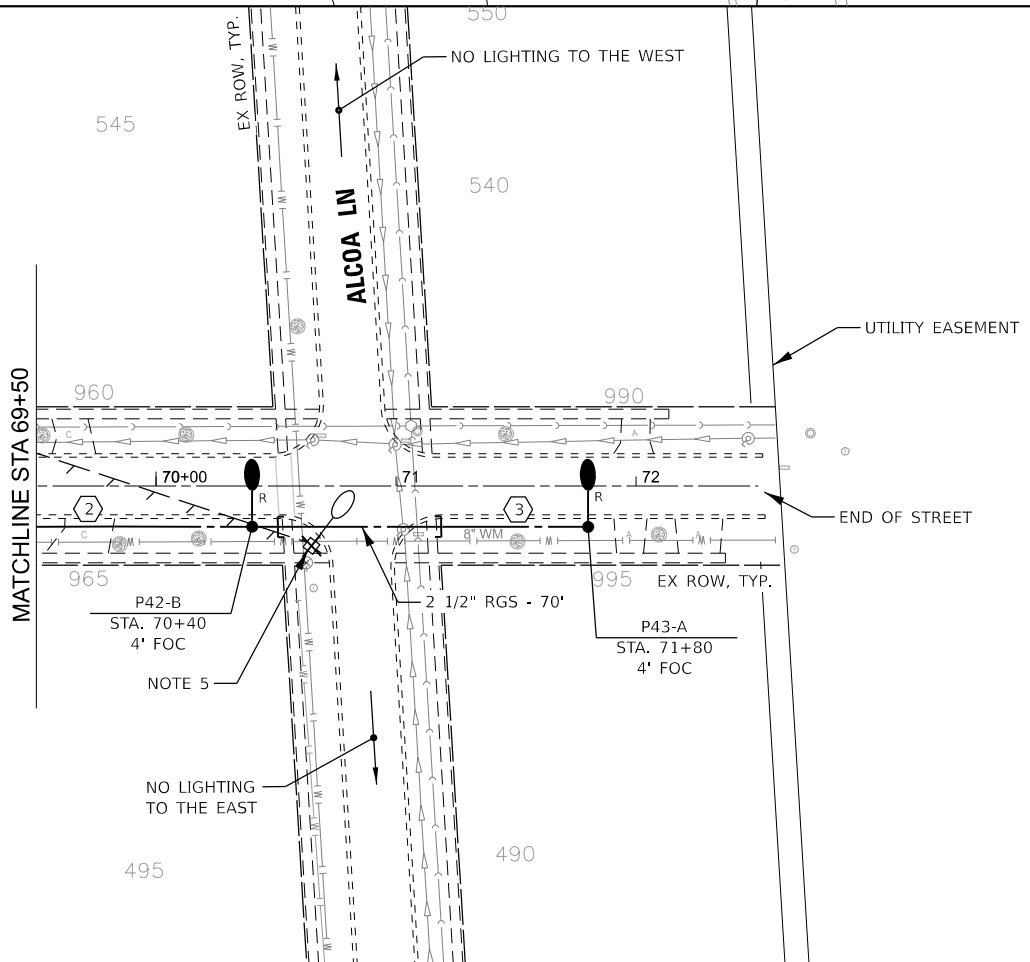
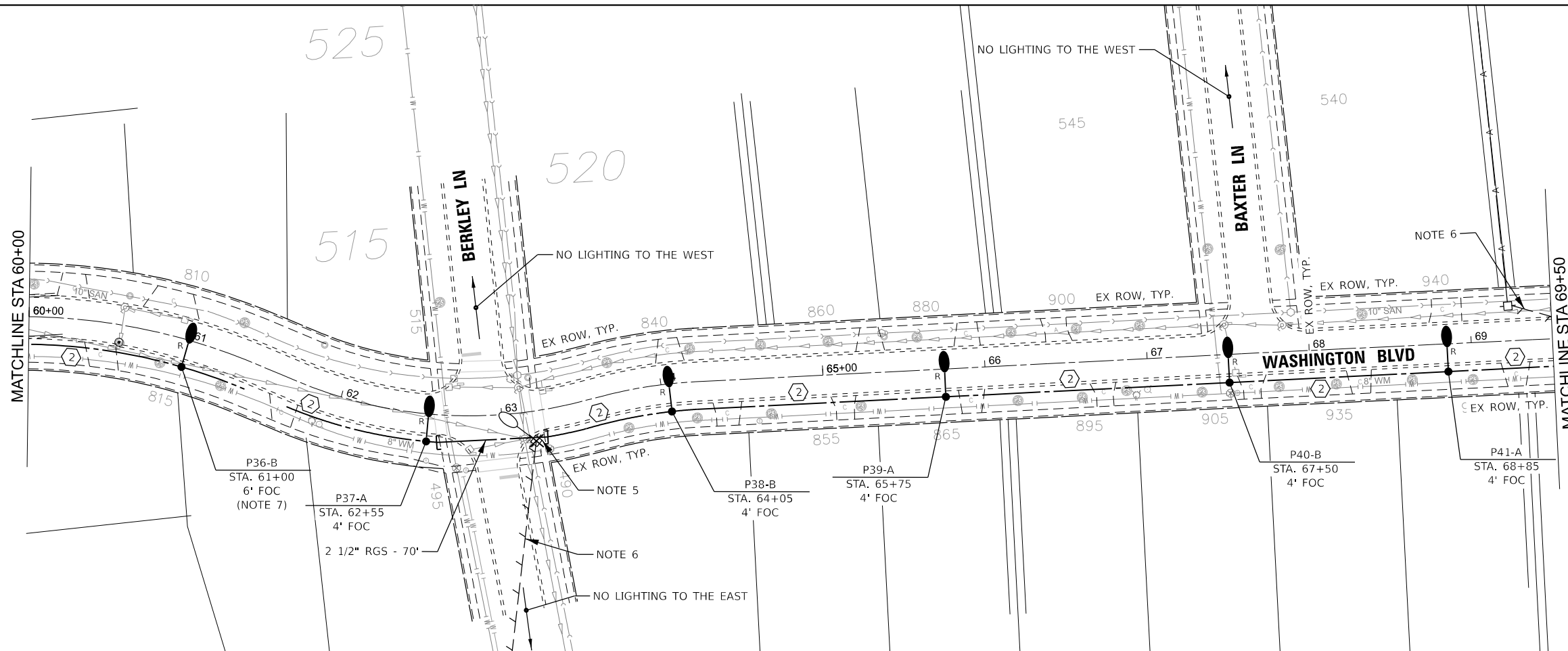
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| | DATE = 6/8/2026 | REVISED - |



VILLAGE OF HOFFMAN ESTATES

| | |
|---|---------------------|
| BODE ROAD PROPOSED LIGHTING PLAN | |
| SCALE: 1" = 40' | SHEET 3 OF 3 SHEETS |
| STA. | TO STA. |

| | | | | |
|--------------|----------------|------------------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 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.
2. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
3. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
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| 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 #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |
| ③ | UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |

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VILLAGE OF HOFFMAN ESTATES

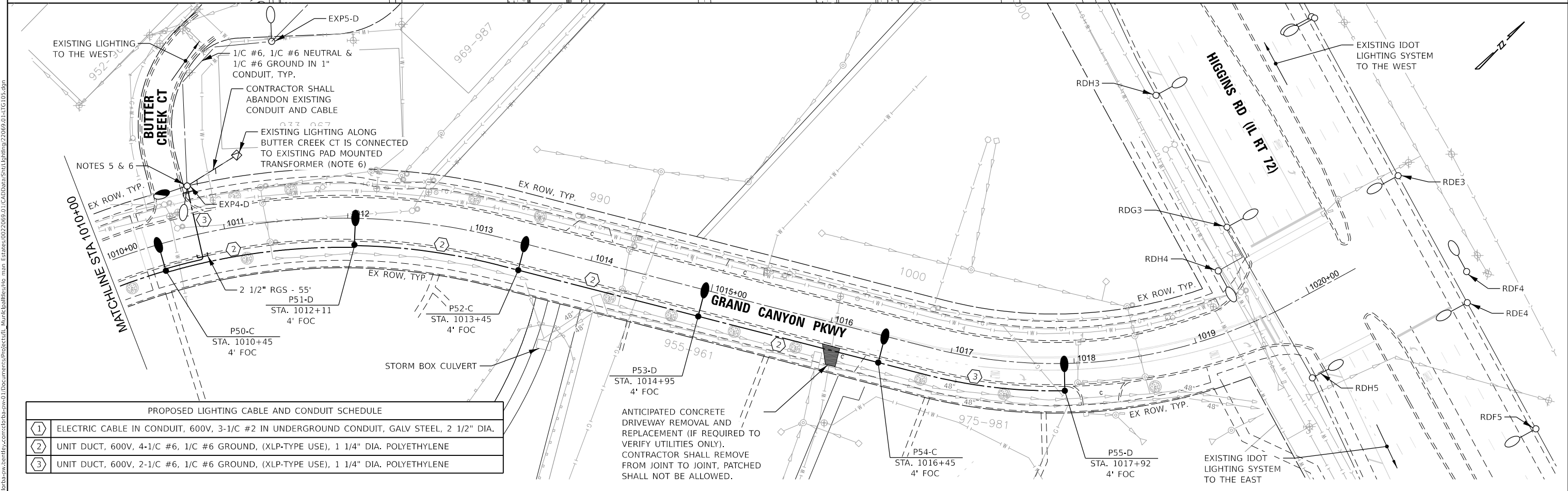
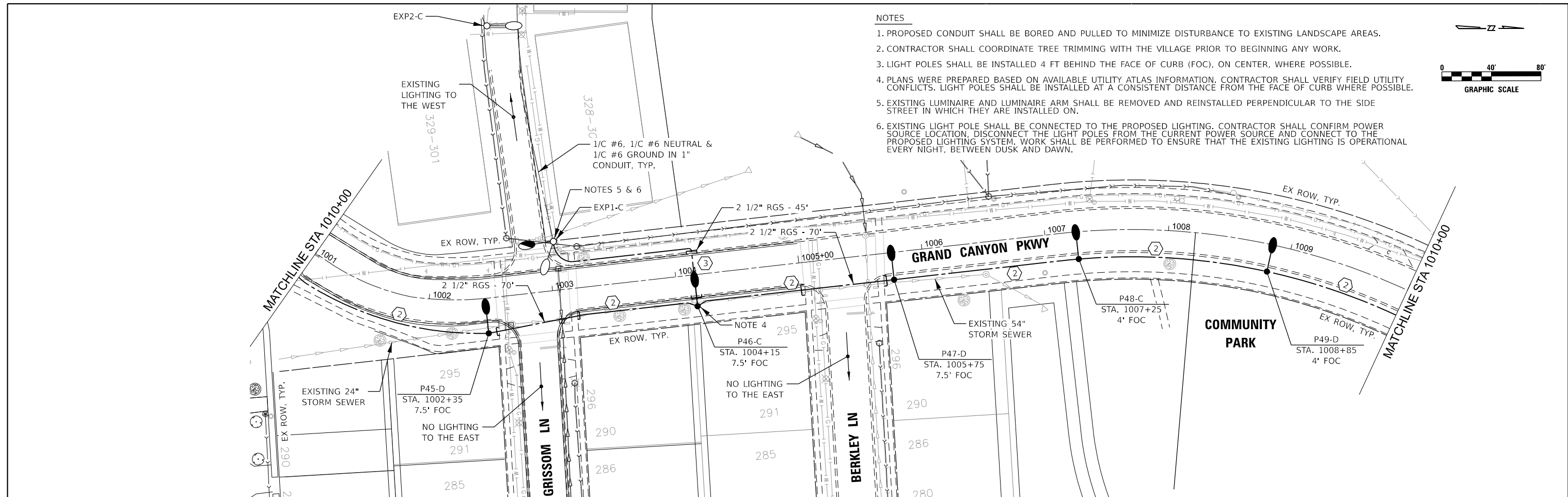
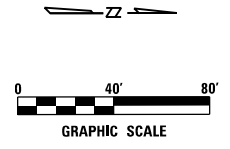
**WASHINGTON BOULEVARD
PROPOSED LIGHTING PLAN**

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

| | | | | |
|--------------|----------------|------------------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 6 |
| CONTRACT NO. | | | N/A | |
| ILLINOIS | | FED. AID PROJECT | | |

NOTES

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4. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL VERIFY FIELD UTILITY CONFLICTS. LIGHT POLES SHALL BE INSTALLED AT A CONSISTENT DISTANCE FROM THE FACE OF CURB WHERE POSSIBLE.
5. EXISTING LUMINAIRE AND LUMINAIRE ARM SHALL BE REMOVED AND REINSTALLED PERPENDICULAR TO THE SIDE STREET IN WHICH THEY ARE INSTALLED ON.
6. EXISTING LIGHT POLE SHALL BE CONNECTED TO THE PROPOSED LIGHTING. CONTRACTOR SHALL CONFIRM POWER SOURCE LOCATION, DISCONNECT THE LIGHT POLES FROM THE CURRENT POWER SOURCE AND CONNECT TO THE PROPOSED LIGHTING SYSTEM. WORK SHALL BE PERFORMED TO ENSURE THAT THE EXISTING LIGHTING IS OPERATIONAL EVERY NIGHT, BETWEEN DUSK AND DAWN.



| 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 #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |
| ③ | UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |

ANTICIPATED CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT (IF REQUIRED TO VERIFY UTILITIES ONLY). CONTRACTOR SHALL REMOVE FROM JOINT TO JOINT, PATCHED SHALL NOT BE ALLOWED.

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VILLAGE OF HOFFMAN ESTATES

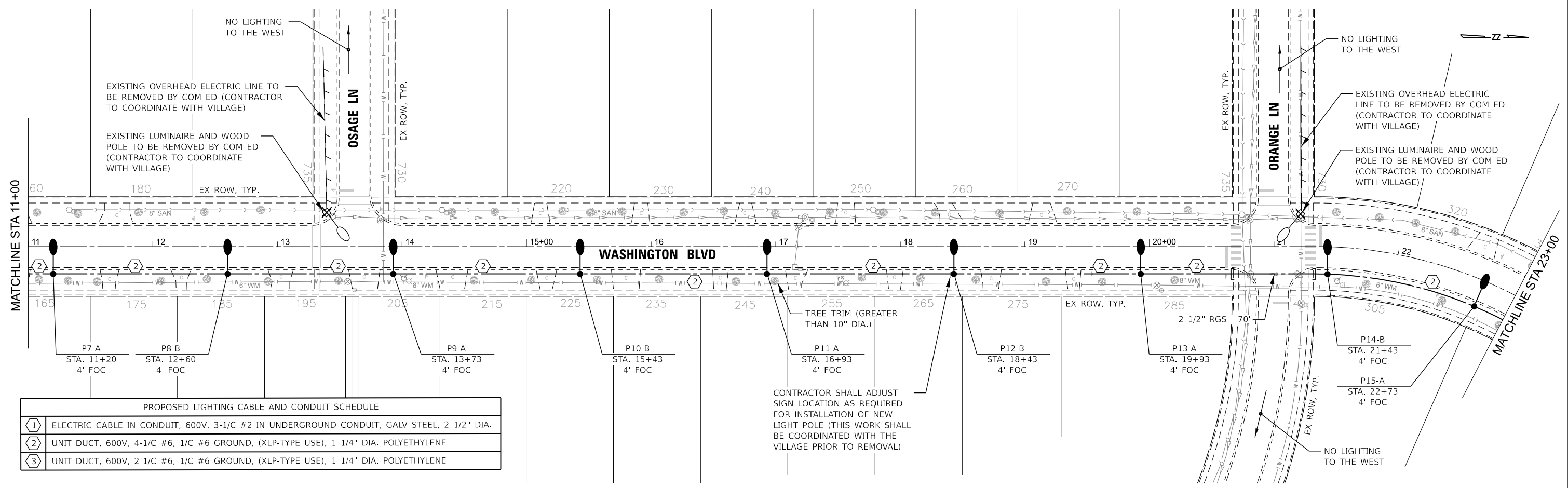
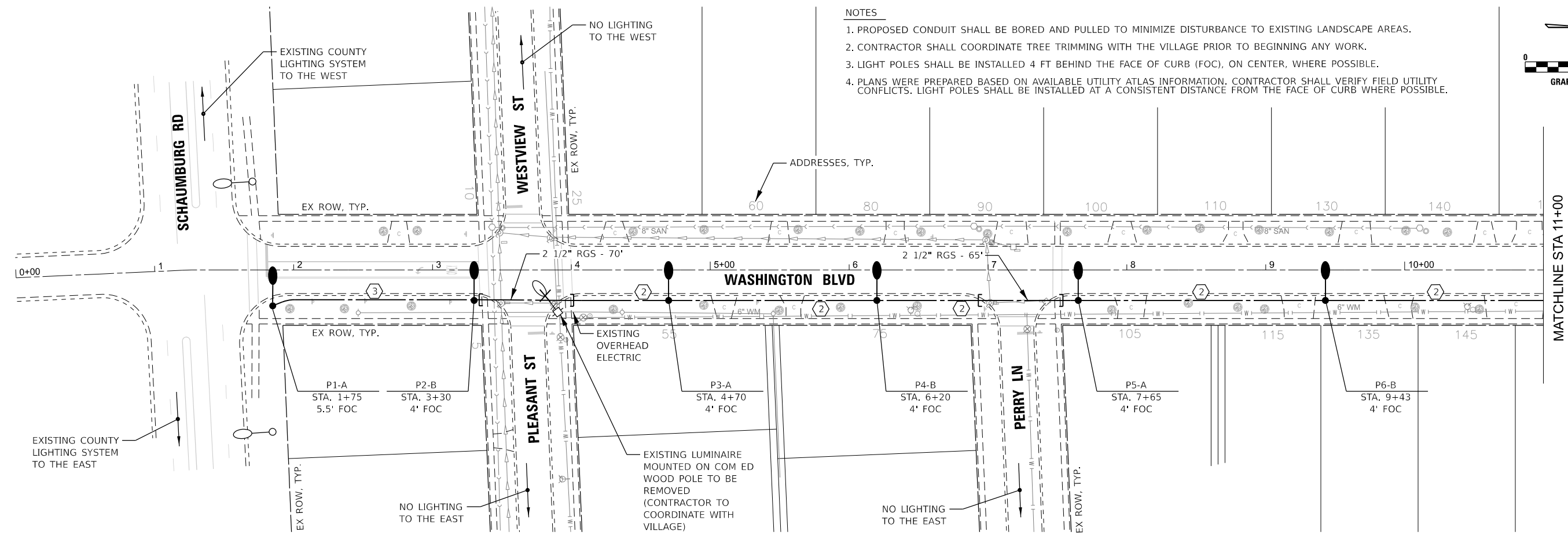
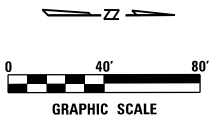
**GRAND CANYON PARKWAY
PROPOSED LIGHTING PLAN**

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

| | | | | |
|---------------------------|----------------|--------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| RTE. | 26-00121-00-LT | COOK | 25 | 7 |
| 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. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
3. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
4. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL VERIFY FIELD UTILITY CONFLICTS. LIGHT POLES SHALL BE INSTALLED AT A CONSISTENT DISTANCE FROM THE FACE OF CURB WHERE POSSIBLE.



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 #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |
| 3 | UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |

CONTRACTOR SHALL ADJUST SIGN LOCATION AS REQUIRED FOR INSTALLATION OF NEW LIGHT POLE (THIS WORK SHALL BE COORDINATED WITH THE VILLAGE PRIOR TO REMOVAL)

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VILLAGE OF HOFFMAN ESTATES

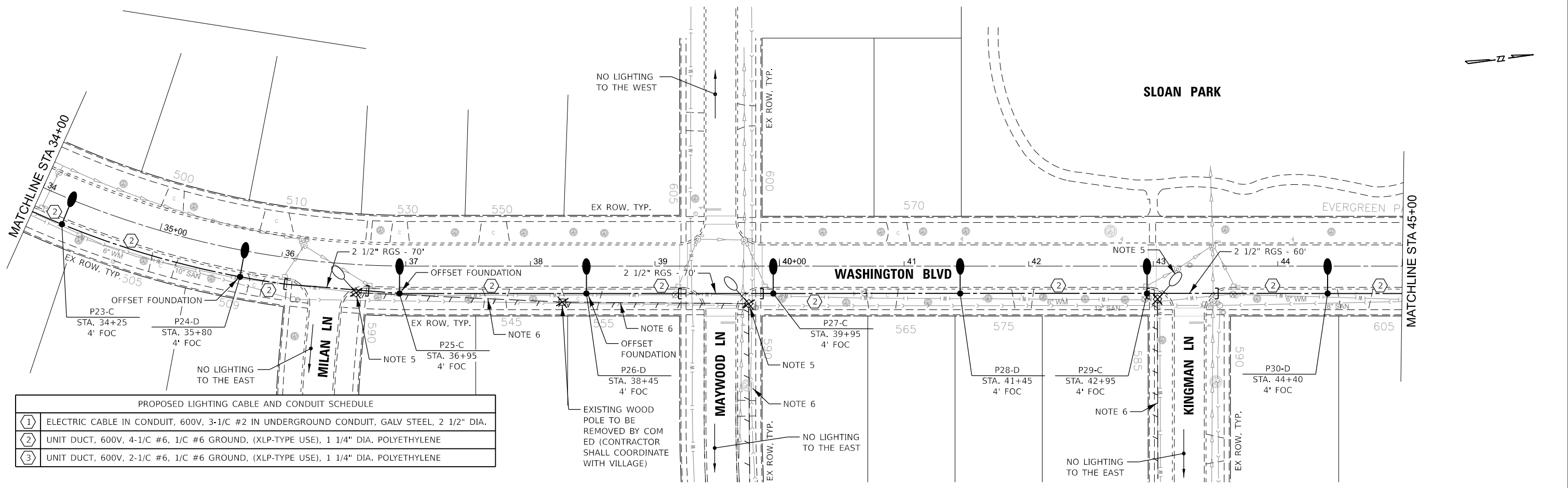
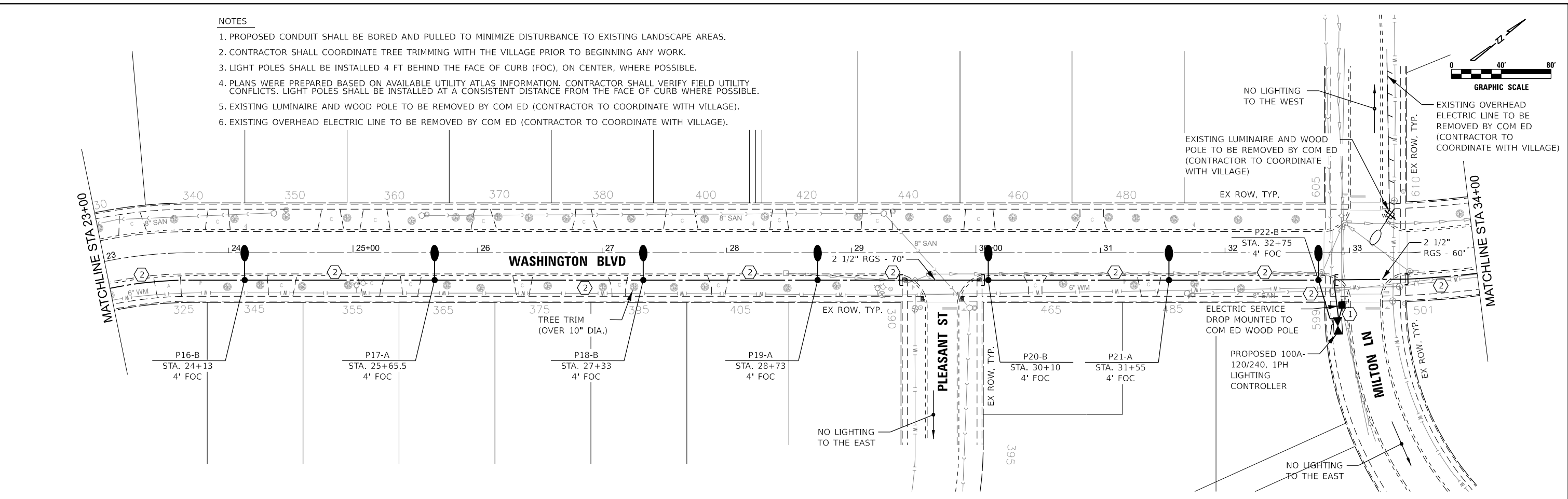
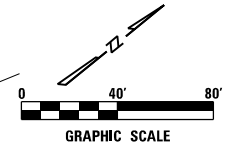
**WASHINGTON BOULEVARD
PROPOSED LIGHTING PLAN**

SCALE: 1" = 40' SHEET 1 OF 3 SHEETS STA. TO STA.

| | | | | |
|-----|----------------|--------|--------------|------------------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 8 |
| | | | 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. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
3. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
4. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL VERIFY FIELD UTILITY CONFLICTS. LIGHT POLES SHALL BE INSTALLED AT A CONSISTENT DISTANCE FROM THE FACE OF CURB WHERE POSSIBLE.
5. EXISTING LUMINAIRE AND WOOD POLE TO BE REMOVED BY COM ED (CONTRACTOR TO COORDINATE WITH VILLAGE).
6. EXISTING OVERHEAD ELECTRIC LINE TO BE REMOVED BY COM ED (CONTRACTOR TO COORDINATE WITH VILLAGE).



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

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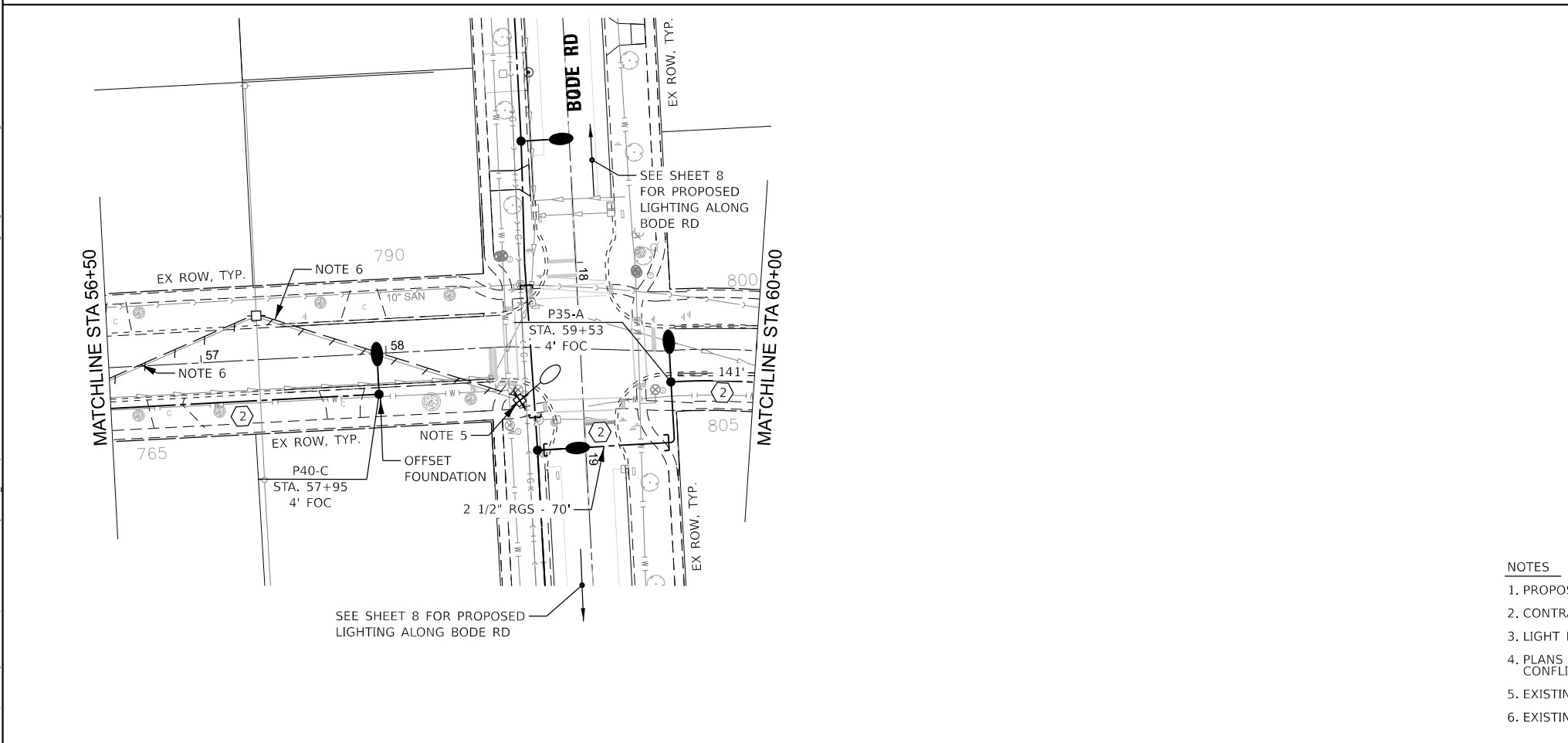
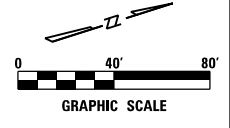
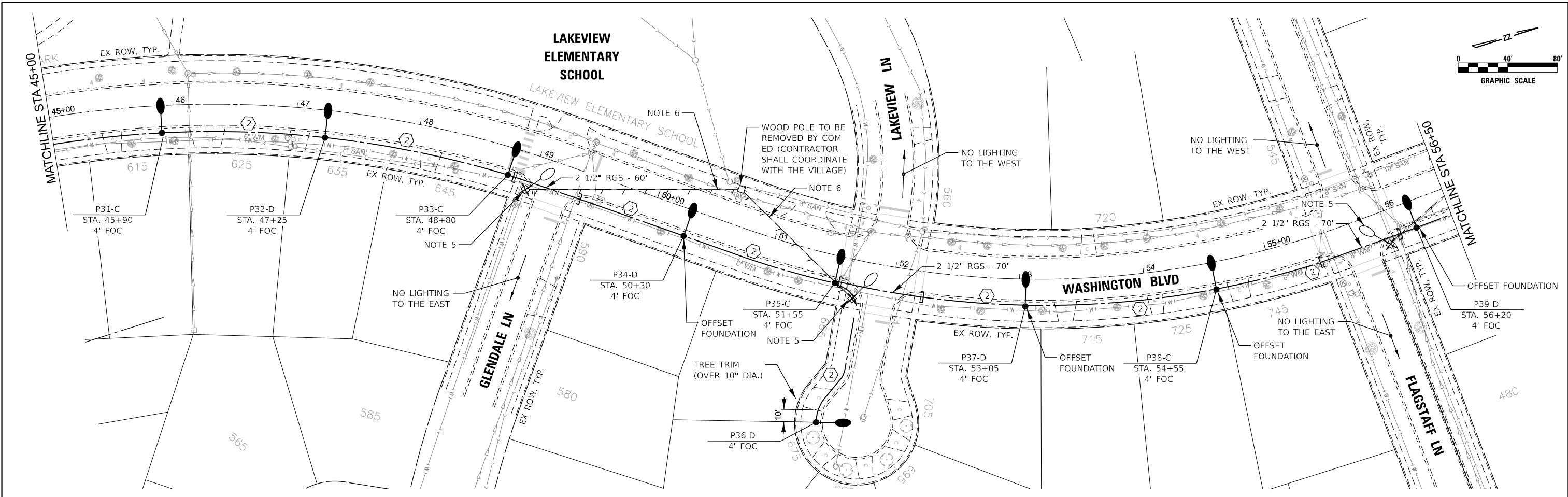


VILLAGE OF HOFFMAN ESTATES

**WASHINGTON BOULEVARD
PROPOSED LIGHTING PLAN**

SCALE: 1" = 40' SHEET 2 OF 3 SHEETS STA. TO STA.

| | | | | |
|-----|----------------|------------------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 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 #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |
| ③ | UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE |

- NOTES**
1. PROPOSED CONDUIT SHALL BE BORED AND PULLED TO MINIMIZE DISTURBANCE TO EXISTING LANDSCAPE AREAS.
 2. CONTRACTOR SHALL COORDINATE TREE TRIMMING WITH THE VILLAGE PRIOR TO BEGINNING ANY WORK.
 3. LIGHT POLES SHALL BE INSTALLED 4 FT BEHIND THE FACE OF CURB (FOC), ON CENTER, WHERE POSSIBLE.
 4. PLANS WERE PREPARED BASED ON AVAILABLE UTILITY ATLAS INFORMATION. CONTRACTOR SHALL VERIFY FIELD UTILITY CONFLICTS. LIGHT POLES SHALL BE INSTALLED AT A CONSISTENT DISTANCE FROM THE FACE OF CURB WHERE POSSIBLE.
 5. EXISTING LUMINAIRE AND WOOD POLE TO BE REMOVED BY COM ED (CONTRACTOR TO COORDINATE WITH VILLAGE).
 6. EXISTING OVERHEAD ELECTRIC LINE TO BE REMOVED BY COM ED (CONTRACTOR TO COORDINATE WITH VILLAGE).

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VILLAGE OF HOFFMAN ESTATES

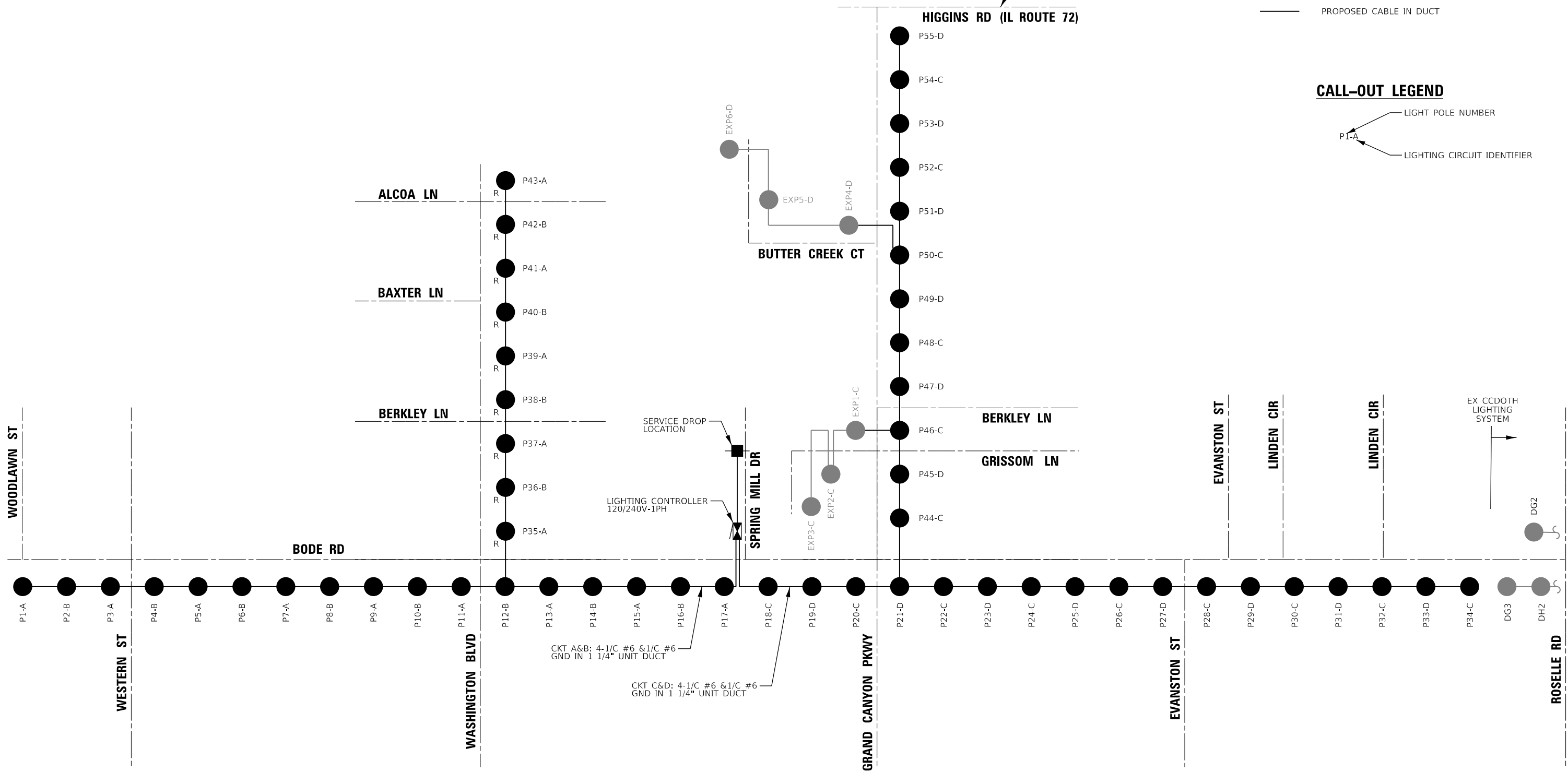
**WASHINGTON BOULEVARD
PROPOSED LIGHTING PLAN**

SCALE: 1" = 40' SHEET 3 OF 3 SHEETS STA. TO STA.

| | | | | |
|-----|----------------|----------|------------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 10 |
| | | | CONTRACT NO. | N/A |
| | | ILLINOIS | FED. AID PROJECT | |

| PROPOSED LIGHTING CONTROLLER LOAD TABLE | | | | | | | | | | | | |
|---|------------------------------|---|----------------------|---|----------------------|------------------------------------|----------------------|-----------------------------------|----------------------|--------------------|--------|-------|
| CIRCUIT ID (INSULATION COLOR) | CIRCUIT BREAKER/ POLES | LED ROADWAY LUMINAIRE (COLLECTOR) | | LED ROADWAY LUMINAIRE (RESIDENTIAL) | | 118W EXISTING ROADWAY LUMINAIRE | | 60W EXISTING ROADWAY LUMINAIRE | | TOTAL CIRCUIT LOAD | | |
| | | QTY. | LOAD/FIXT (WATTS) | QTY. | LOAD/FIXT (WATTS) | QTY. | LOAD/FIXT (WATTS) | QTY. | LOAD/FIXT (WATTS) | WATTS | AMPS | VOLTS |
| ROADWAY LIGHTING | | | | | | | | | | | | |
| A - RED | 30A-2P | 9 | 118 | 5 | 81 | 0 | 118 | 0 | 60 | 1467 | 6.1 | 240 |
| B - BLACK | 30A-2P | 8 | 118 | 4 | 81 | 0 | 118 | 0 | 60 | 1268 | 5.3 | 240 |
| C - RED | 30A-2P | 15 | 118 | 0 | 81 | 3 | 118 | 0 | 60 | 2124 | 8.9 | 240 |
| D - BLACK | 30A-2P | 14 | 118 | 0 | 81 | 0 | 118 | 3 | 60 | 1832 | 7.6 | 240 |
| SPARE | 30A-2P | 0 | 118 | 0 | 81 | 0 | 118 | 0 | 60 | 0 | 0.0 | 240 |
| SPARE | 30A-2P | 0 | 118 | 0 | 81 | 0 | 118 | 0 | 60 | 0 | 0.0 | 240 |
| TOTAL | | 46 | | 9 | | 3 | | 3 | | 6691W | 27.88A | |

- ONE-LINE LEGEND**
- PROPOSED COLLECTOR STREET LIGHT POLE
 - PROPOSED RESIDENTIAL STREET LIGHT POLE
 - EXISTING LIGHT POLE
 - ▢ PROPOSED BASE MOUNTED LIGHTING CONTROLLER
 - PROPOSED ELECTRIC SERVICE DROP
 - PROPOSED CABLE IN DUCT
- CALL-OUT LEGEND**
- P1-A LIGHT POLE NUMBER
 - P1-A LIGHTING CIRCUIT IDENTIFIER



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CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

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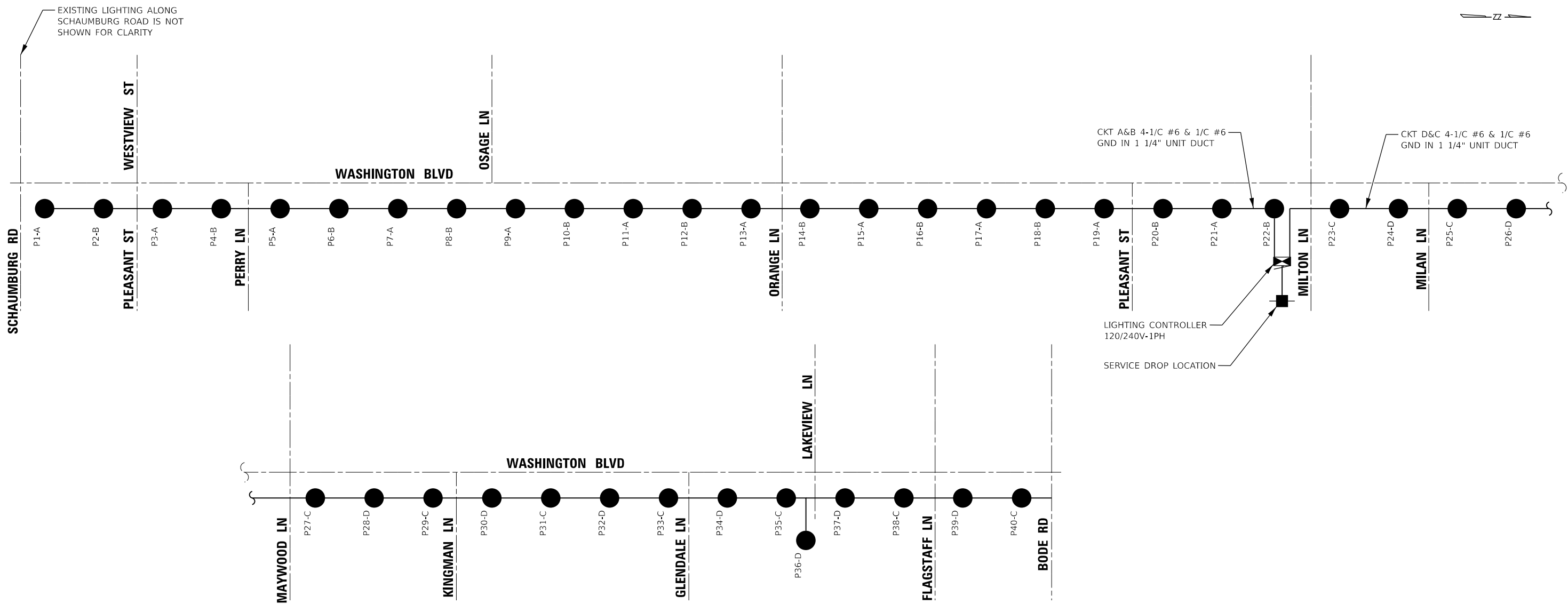
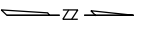


VILLAGE OF HOFFMAN ESTATES

BODE RD LIGHTING CONTROLLER ONE-LINE DIAGRAM

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

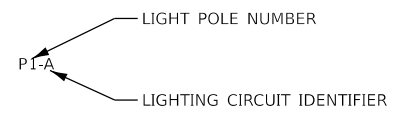
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| N/A | 26-00121-00-LT | COOK | 25 | 11 |
| CONTRACT NO. | | | N/A | |
| ILLINOIS | | FED. AID PROJECT | | |



ONE-LINE LEGEND

- PROPOSED LIGHT POLE
- EXISTING 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 | 11 | 118 | 1298 | 5.4 | 240 |
| B - BLACK | 30A-2P | 11 | 118 | 1298 | 5.4 | 240 |
| C - RED | 30A-2P | 9 | 118 | 1062 | 4.4 | 240 |
| D - BLACK | 30A-2P | 9 | 118 | 1062 | 4.4 | 240 |
| SPARE | 30A-2P | 0 | 118 | 0 | 0.0 | 240 |
| SPARE | 30A-2P | 0 | 118 | 0 | 0.0 | 240 |
| TOTAL | | 40 | | 4720W | 19.67A | |

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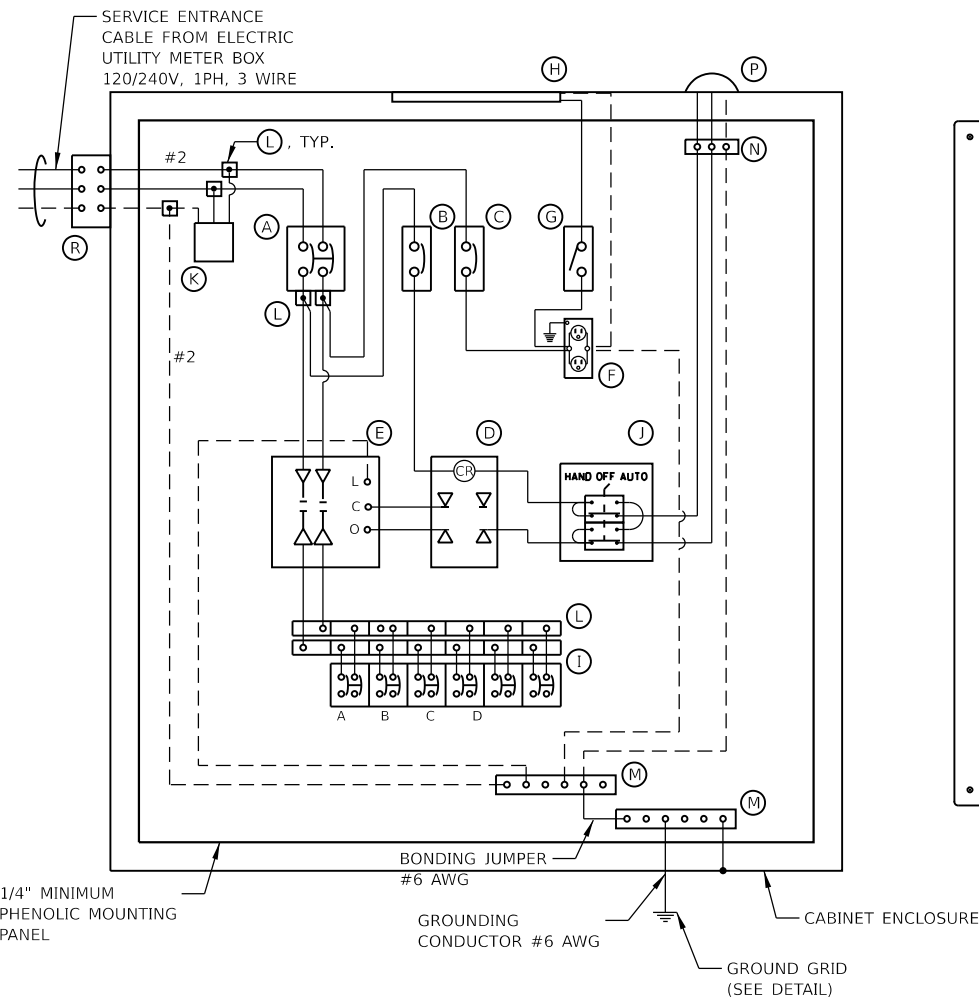
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|---|----------------------------------|
| WASHINGTON BLVD LIGHTING CONTROLLER ONE-LINE DIAGRAM | |
| SCALE: N.T.S. | SHEET 2 OF 3 SHEETS STA. TO STA. |

| | | | | |
|--------------|----------------|------------------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 12 |
| CONTRACT NO. | | | N/A | |
| ILLINOIS | | FED. AID PROJECT | | |

LIGHTING CONTROLLER EQUIPMENT

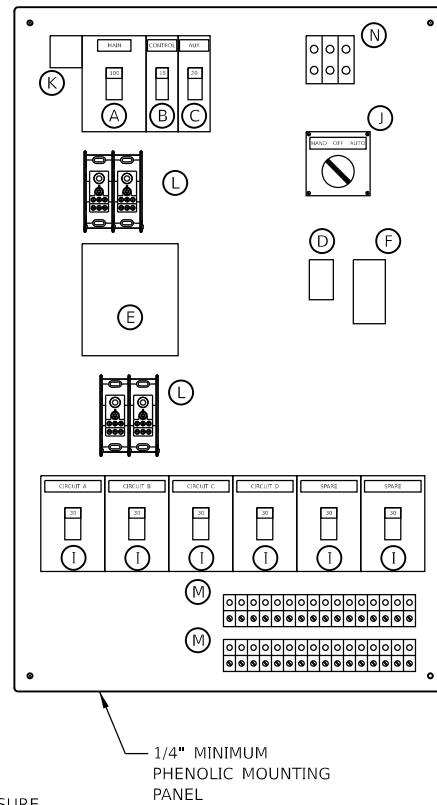
| ITEM | QUANTITY | SPECIFICATION |
|------|----------|---|
| A | 1 | 100A, 2P, 240V SERVICE RATING, 22KAIC |
| B | 1 | 15A, 1P, 120V RATING, 22KAIC |
| C | 1 | 20A, 1P, 120V RATING, 22KAIC |
| D | 1 | 30A-120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS, PLUG IN TYPE |
| E | 1 | 100A, 2-POLE, 120V 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 |
| 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.



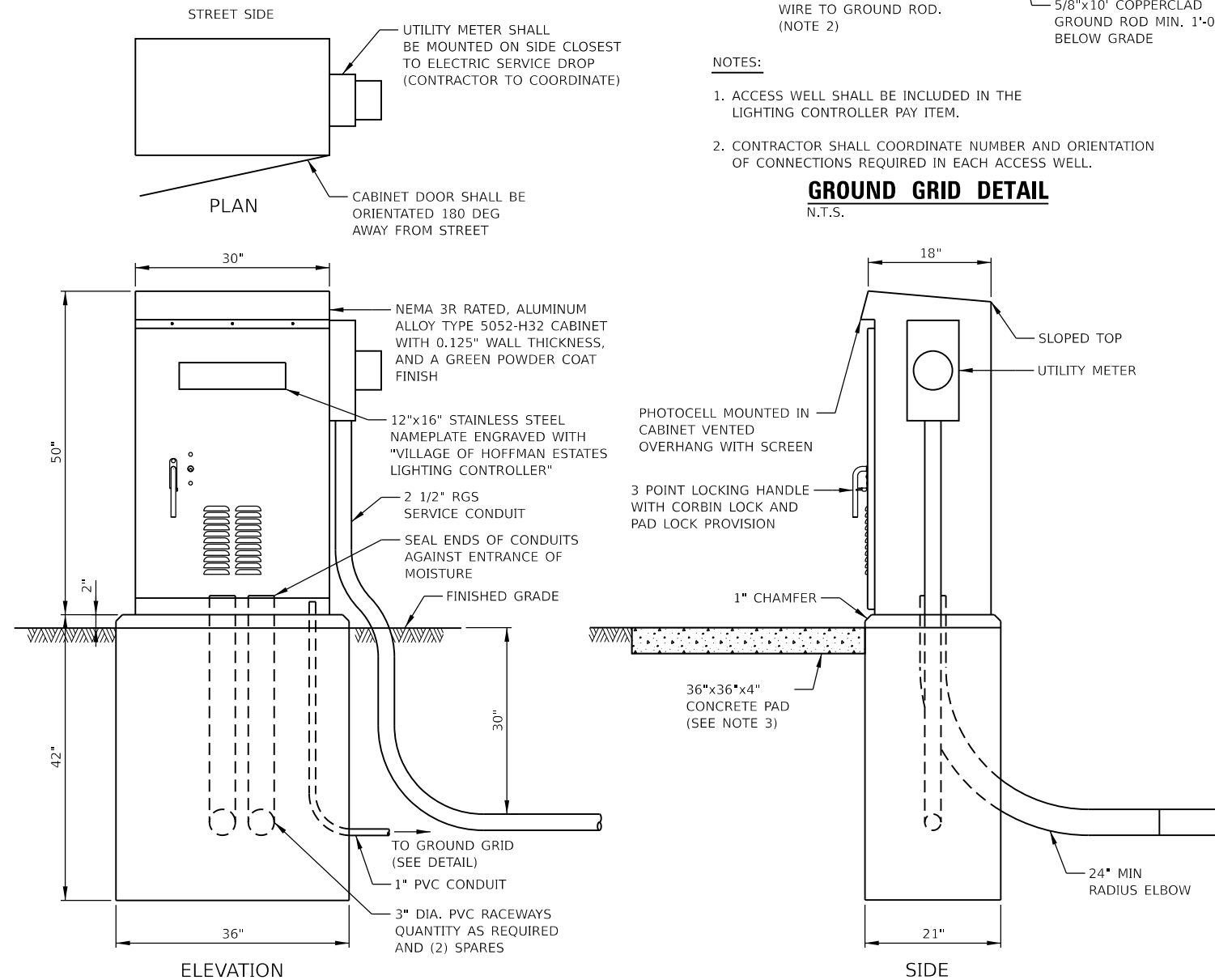
LIGHTING CONTROLLER WIRING DIAGRAM

N.T.S.



LIGHTING CONTROLLER EQUIPMENT LAYOUT

N.T.S.



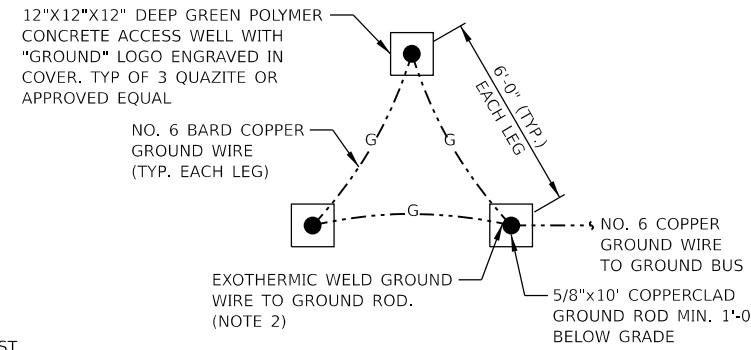
ELEVATION

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.

LIGHTING CONTROLLER CABINET DETAIL

N.T.S.



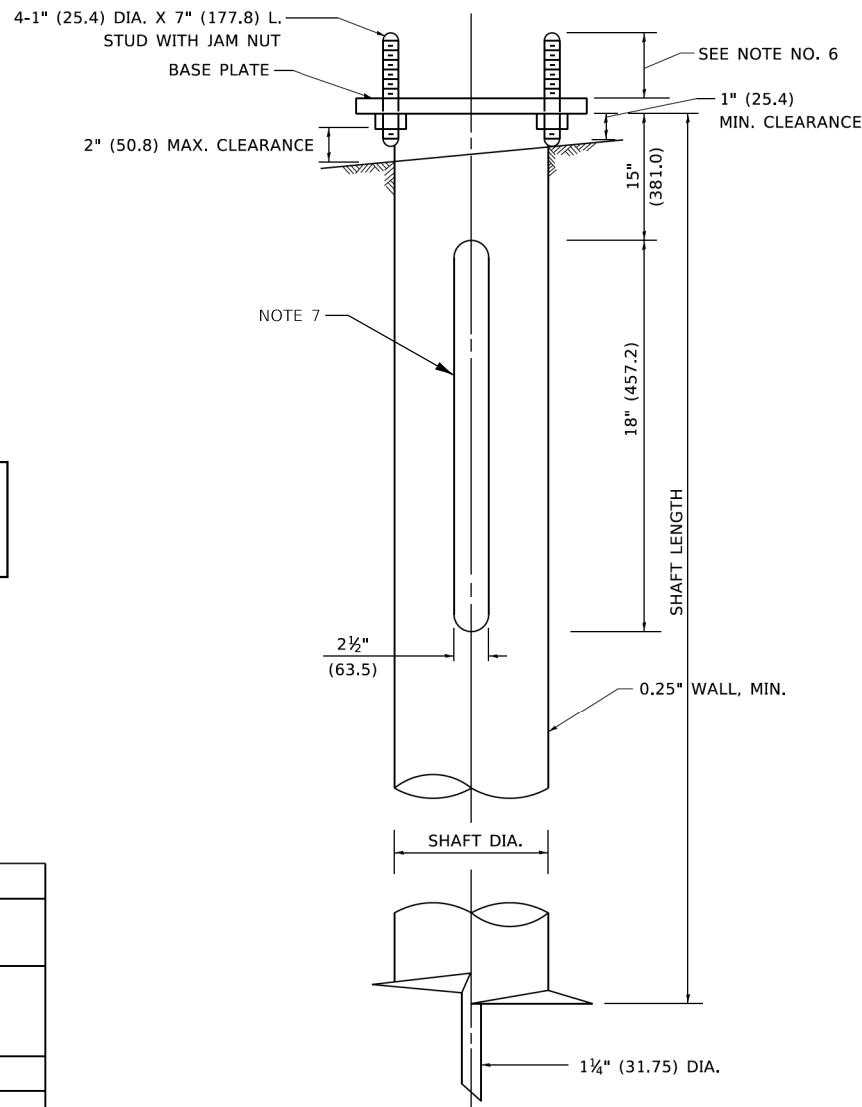
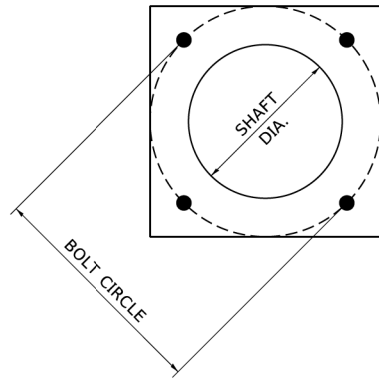
NOTES:

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

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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 |
|----------------------|-------------|----------------|--------------|----------------|
| 25 FT.-30 FT. | 10"-12" | 8 5/8" | 6 FT. | 12"x12"x1" |
| 31 FT.-35 FT. | 11 1/2" | 8 5/8" | 6 FT. | 12"x12"x1" |
| 36 FT.-40 FT. | 15" | 8 5/8" | 6 FT. | 15"x15"x1 1/4" |
| 41 FT.-45 FT. | 15" | 8 5/8" | 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) |

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|---------------------------|----------------|--------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 15 |
| 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) |

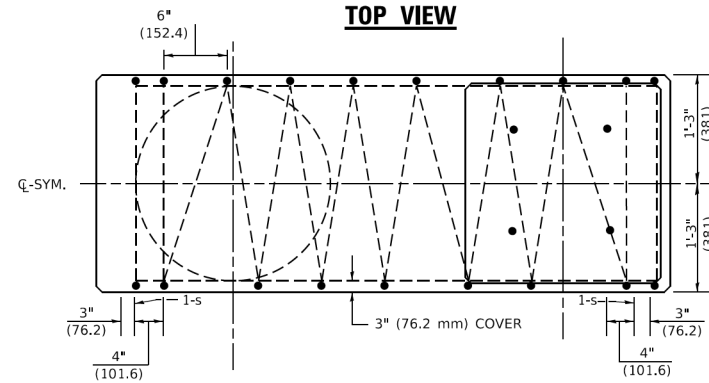
BILL OF MATERIAL

| 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 | | | | |

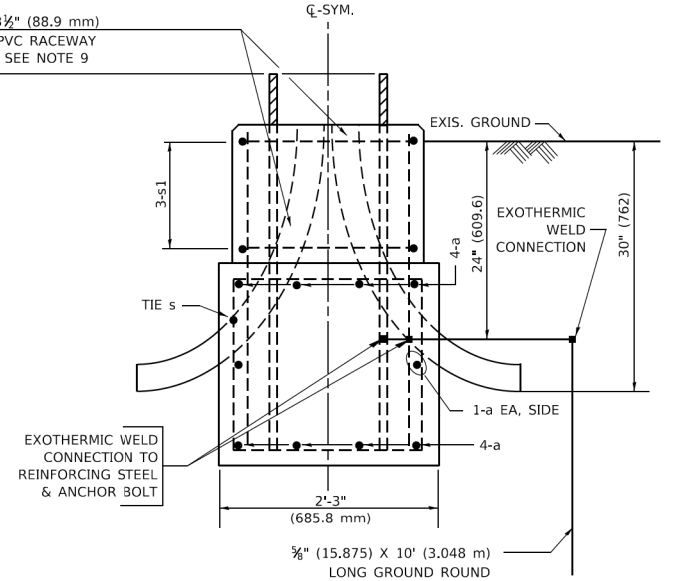
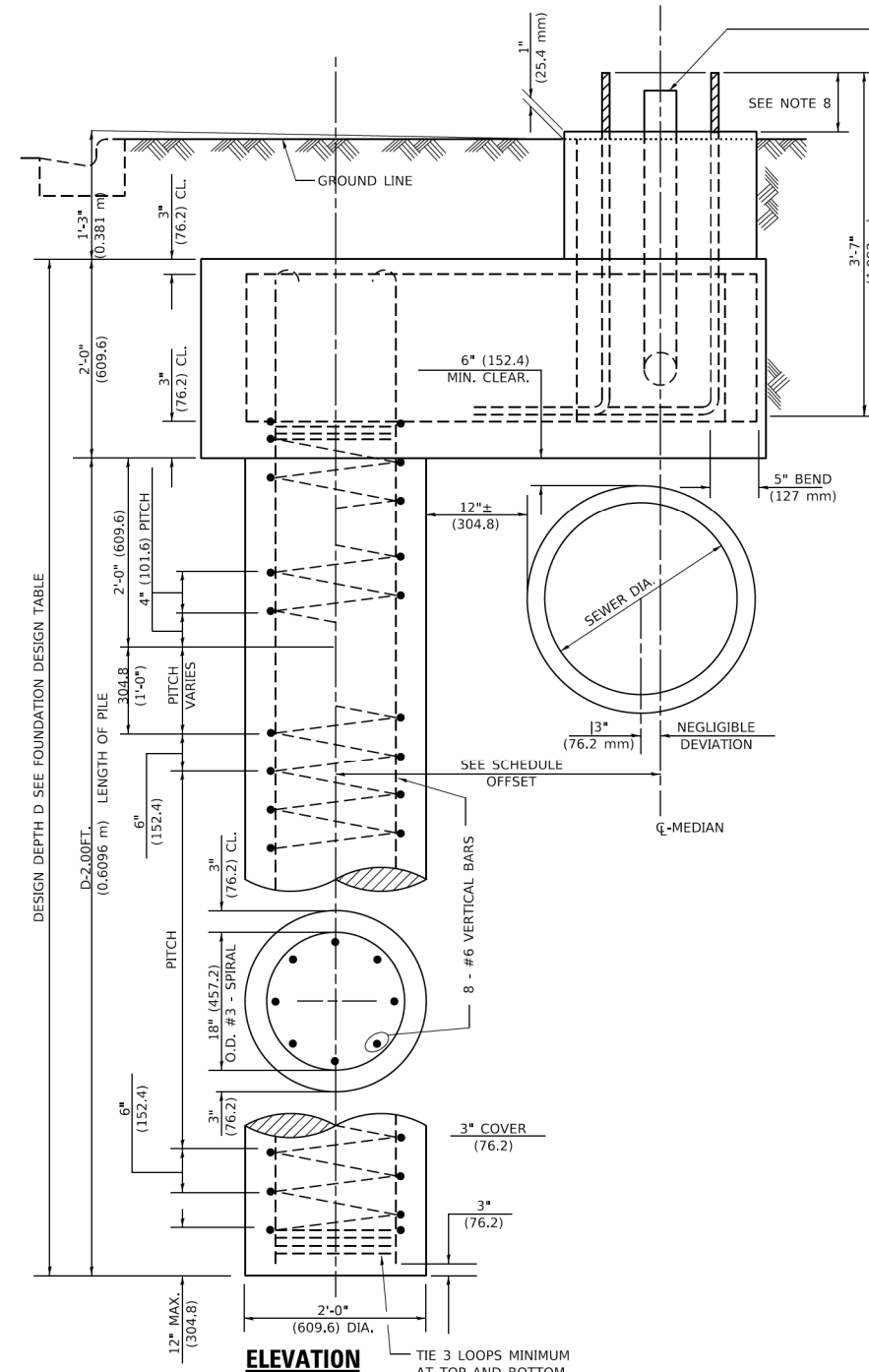
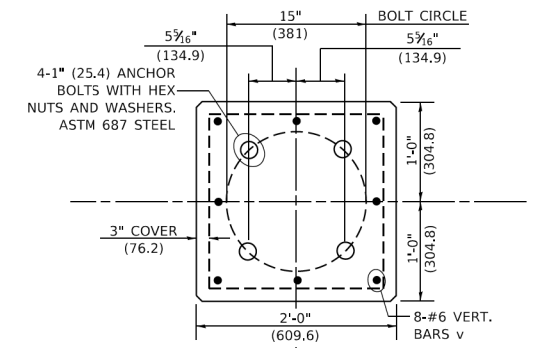
NOTES

- 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.

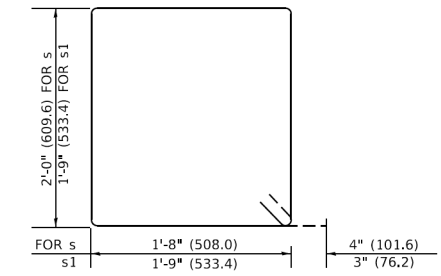
PLAN-CAP BEAM TOP VIEW



TOP VIEW



END VIEW



BARS s, s1

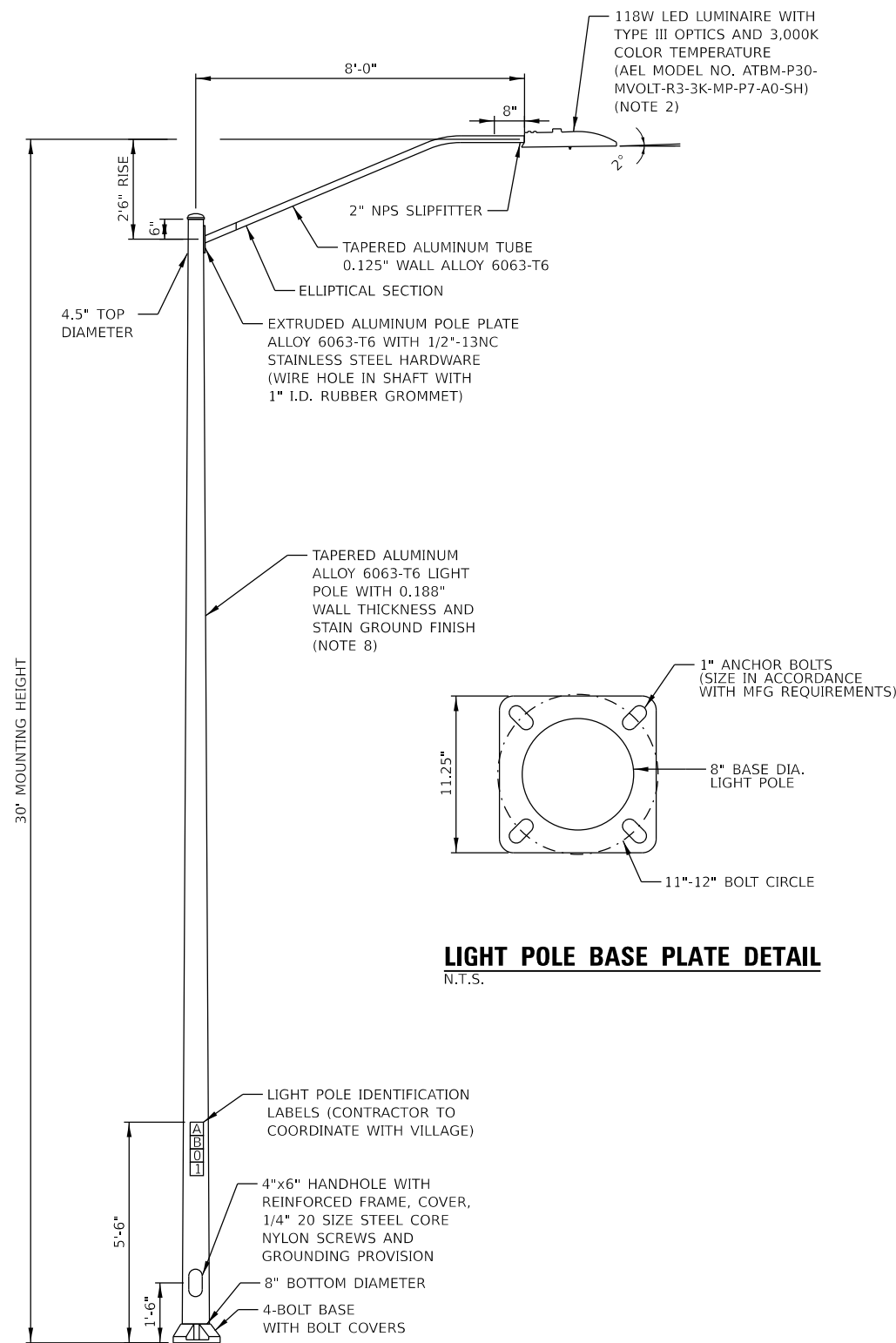
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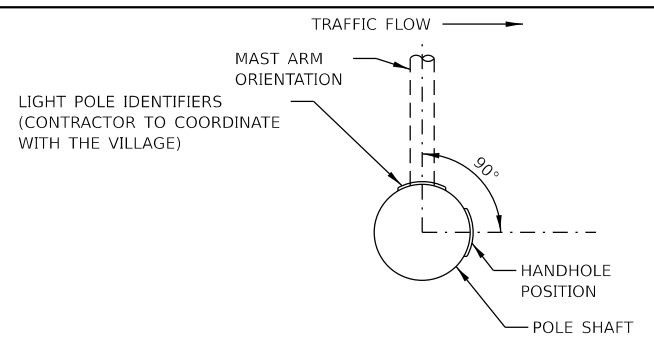
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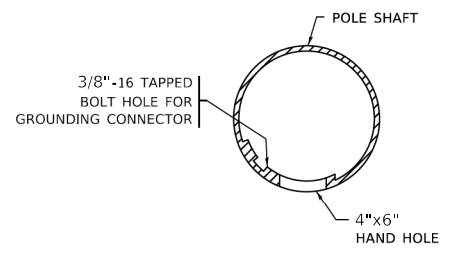
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| LIGHTING DETAILS | | N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET | | N/A | 26-00121-00-LT | COOK | 25 | 16 |
| SCALE: N.T.S. | | SHEET 4 OF 6 SHEETS | | CONTRACT NO. N/A | | |
| STA. TO STA. | | ILLINOIS FED. AID PROJECT | | | | |



**LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM
(COLLECTOR LIGHT POLE)**
N.T.S.

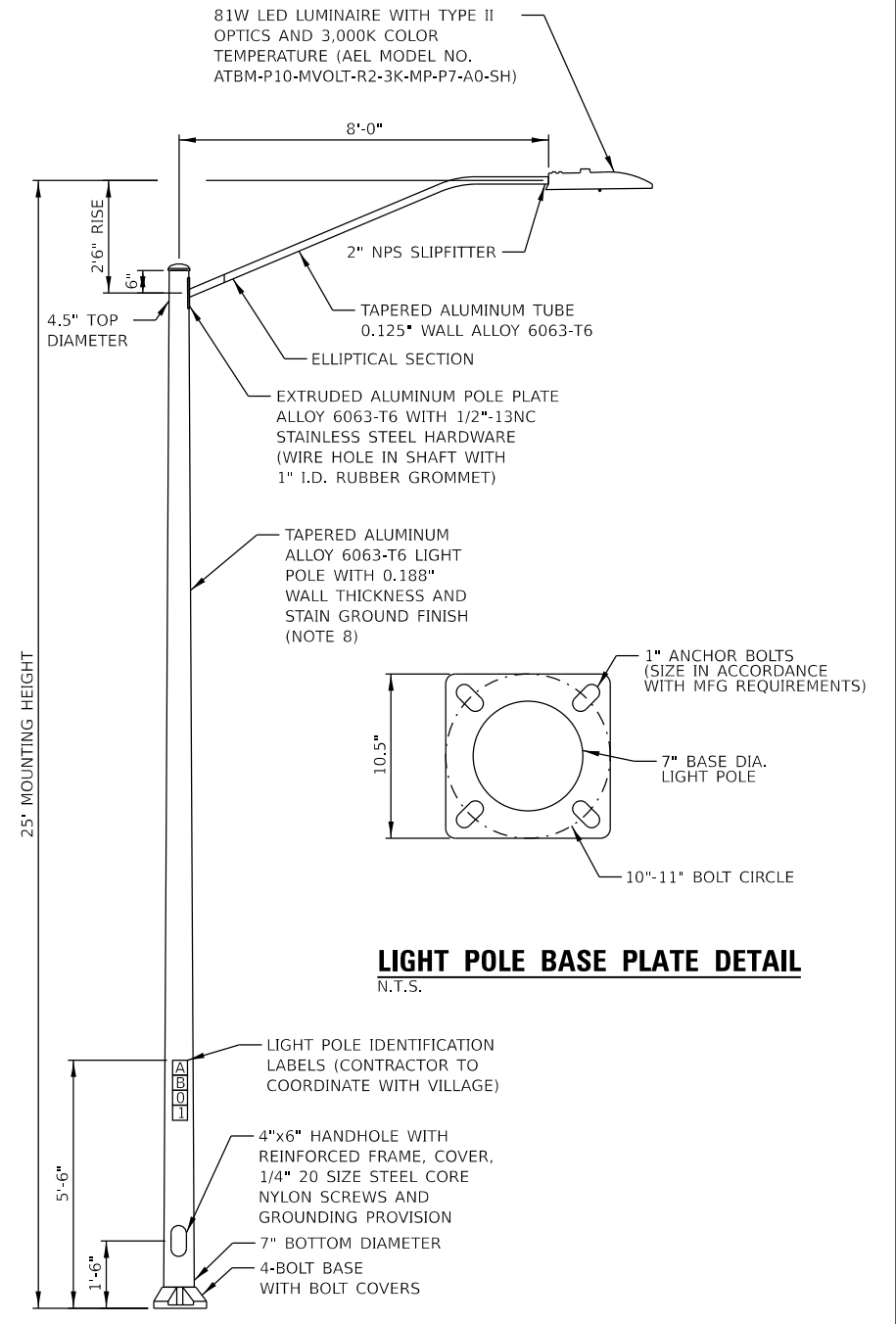


**POSITION OF HANDHOLE AND
POLE NUMBER FOR SINGLE
MAST ARM POLES**
N.T.S.



**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 20 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.
 - LIGHT POLE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "LIGHT POLE, ALUMINUM, 8 FT. MAST ARM" OF THE MOUNTING HEIGHT SPECIFIED.



**LIGHT POLE, ALUMINUM, 25 FT. M.H., 8 FT. MAST ARM
(RESIDENTIAL LIGHT POLE)**
N.T.S.

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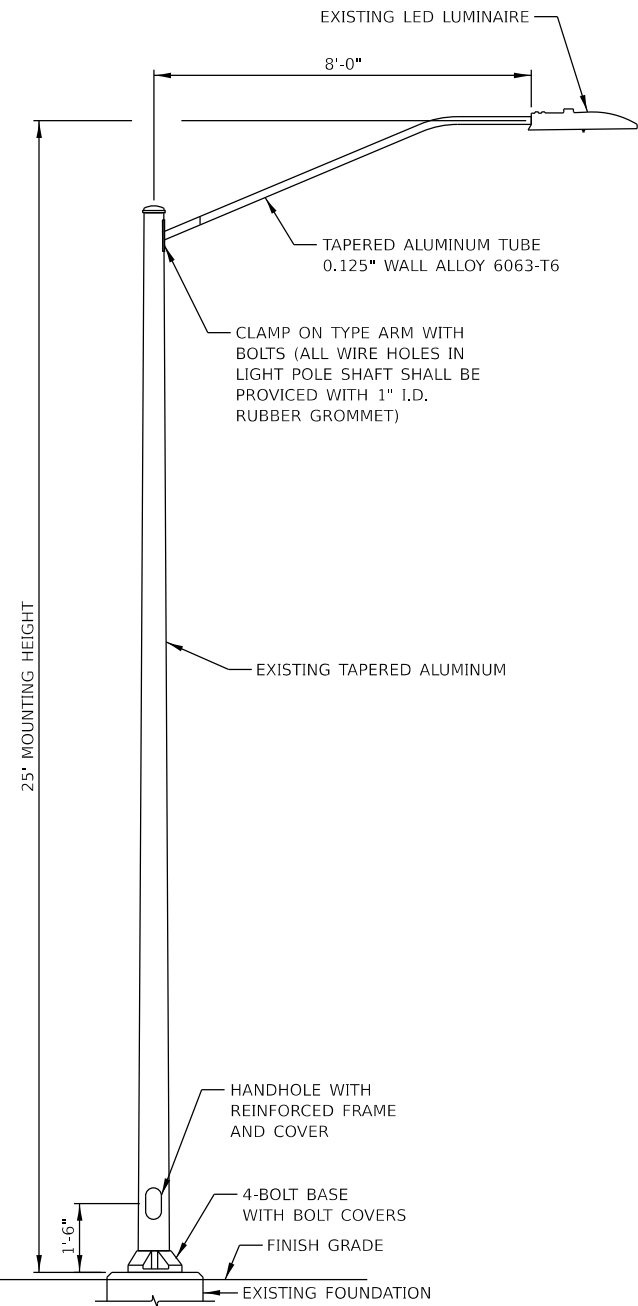
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VILLAGE OF HOFFMAN ESTATES

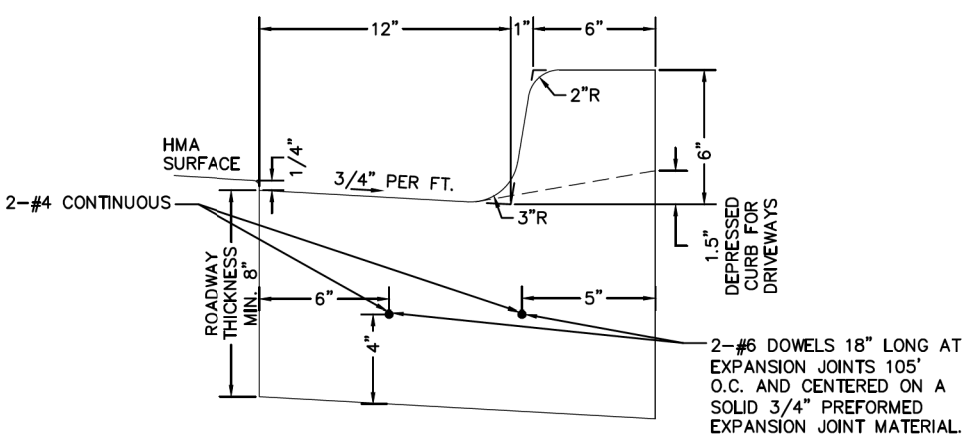
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| SCALE: N.T.S. | | SHEET 5 OF 6 SHEETS | | STA. | TO STA. |
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|---------------------------|----------------|--------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 17 |
| CONTRACT NO. | | | N/A | |
| ILLINOIS FED. AID PROJECT | | | | |



- NOTES:**
- AT LOCATIONS INDICATED ON THE PLANS, THE CONTRACTOR SHALL ROTATE THE LUMINAIRE ARM SO THAT IT IS PERPENDICULAR TO THE STREET IT IS INSTALLED ON. THE CONTRACTOR SHALL DRILL A HOLE IN THE LIGHT POLE TO ALLOW THE EXISTING POLE WIRES TO BE CONNECTED TO THE EXISTING LUMINAIRE.
 - THE COST OF THE WORK TO REMOVE, ROTATE, AND REINSTALL THE LUMINAIRE AND LUMINAIRE ARM SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE "REMOVE AND REINSTALL LIGHT POLES."

EXISTING LIGHT POLE DETAIL
N.T.S.



- NOTES:**
- THE CURB SHALL BE DEPRESSED AT ALL APRONS AND ACROSS ALL SIDEWALK RAMPING IN ACCORDANCE WITH PROJECT DETAILS AND ADA GUIDELINES.
 - DEPRESSED CURB FOR SIDEWALK RAMPS SHALL BE A MAXIMUM OF 1/2 INCH IN HEIGHT.
 - CONTRACTION JOINTS TO BE TOOLED OR SAWCUT EVERY 15 FEET TO A DEPTH OF 1 1/2 INCHES.
 - EXPANSION JOINTS SHALL BE PROVIDED AT THE BEGINNING AND END OF ALL RETURN RADII, 5 FEET EITHER SIDE OF A DRAINAGE STRUCTURE, AT THE END OF A DAY'S POUR, AND/OR AT SPACING NOT TO EXCEED 105 FEET.
 - EXPANSION JOINTS SHALL CONSIST OF 2-NO. 6 BARS, 18 INCHES LONG, CAPPED ON ONE END, EXTENDING THROUGH AND CENTERED ON A SOLID 3/4 INCH PREFORMED EXPANSION JOINT MATERIAL CUT TO CONFORM TO THE SHAPE OF THE CURB AND GUTTER SECTION.
 - PREFORMED 1/2 INCH EXPANSION JOINTS WILL BE PROVIDED BETWEEN THE SIDEWALKS AND CONCRETE DRIVEWAYS WHERE THEY ABUT AGAINST CONCRETE CURB.
 - EXPANSION JOINTS MUST MATCH THE THICKNESS OF THE SIDEWALK OR DRIVEWAY PAVEMENT SECTION.
 - TWO DRILLED AND GROUTED NO. 6 REINFORCING BARS OR EXPANSIONS TIE ANCHORS, 3/4 INCH IN DIAMETER, SHALL BE USED TO TIE THE PROPOSED CURB AND GUTTER TO THE EXISTING CURB AND GUTTER ON EACH SIDE.
 - CURB SHALL BE STAMPED WITH A "W" INDICATING THE LOCATION OF WATER SERVICES AND STAMPED WITH A "S" INDICATING THE LOCATION OF SANITARY SEWER SERVICES.
 - CURE AND SEAL COMPOUND PER THE VILLAGE APPROVED MATERIAL LIST.
 - CLASS SI CONCRETE IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 - ALL WORK AND MATERIAL SHALL CONFORM TO IDOT STANDARD SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.

| | | | |
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| B-6.12 CURB AND GUTTER | | | |
| SCALE | NONE | REVISIONS | |
| DATE | 01/01/26 | NO. | BY DATE |
| DRAFTER | MRC | | |
| SHEET NO. | | | |
| 1 OF 1 | | | |
| VILLAGE OF HOFFMAN ESTATES ENGINEERING DIVISION | | | |

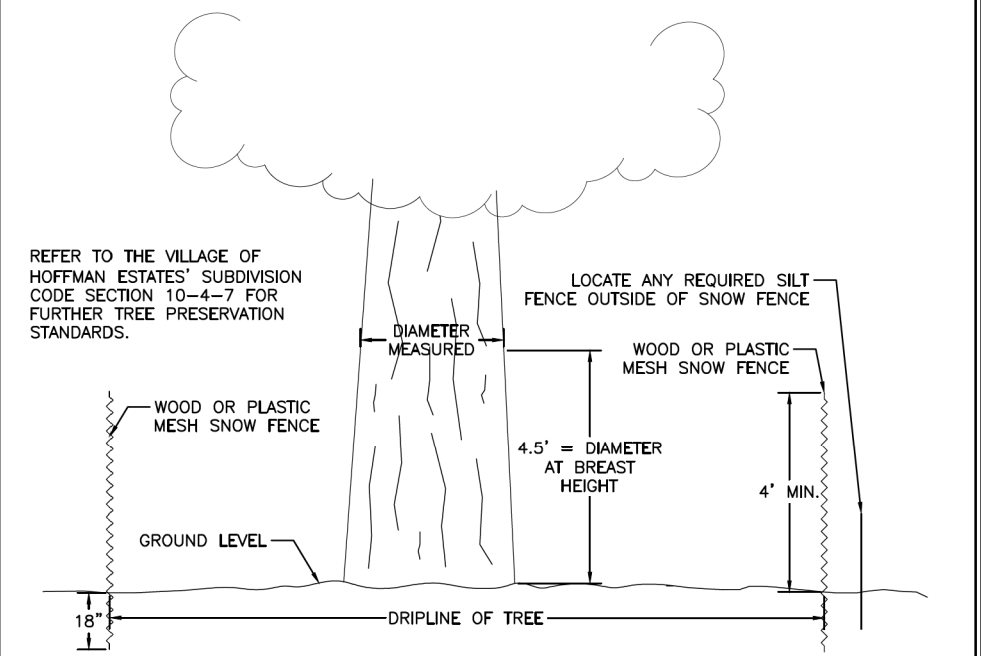
TREE PROTECTION FENCING SHALL CONSIST OF BRIGHTLY COLORED PLASTIC MESH OR WOODEN SNOW FENCING A MINIMUM OF 4 FEET IN HEIGHT THAT IS SECURED TO METAL POSTS AT A MAXIMUM OF 8 FOOT INTERVALS. SIGNS WHICH ARE LEGIBLE TO 10 FEET AWAY SHALL BE POSTED AND MAINTAINED AT INTERVALS NO LESS THAN 30 FEET APART WHICH CLEARLY STATE: "TREE PROTECTION AREA. DO NOT ENTER. DO NOT MOVE OR ALTER FENCE. VIOLATION SUBJECT TO FINE OR WORK STOPPAGE."

TREE PROTECTION FENCING MUST BE INSTALLED PRIOR TO THE START OF GRADING OR CONSTRUCTION AND SHALL BE LOCATED TO PROTECT THE CRITICAL ROOT ZONE OF ALL TREES DESIGNATED FOR PRESERVATION ON THE APPROVED TREE PRESERVATION PLAN. FENCING SHALL BE LOCATED NO CLOSER TO EACH TREE THAN AT THE OUTSIDE EDGE OF EACH TREE'S DRIPLINE.

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 INCUR A PENALTY OF \$100.00 PER OCCURRENCE. THE DEVELOPER/BUILDER SHALL BE RESPONSIBLE FOR PAYING THIS PENALTY.

NO ENCROACHMENT, GRADING, TRENCHING, FILLING, COMPACTION, WASTE DUMPING, CONCRETE WASHOUT, CHANGE TO SOIL CHEMISTRY, OR STORAGE OF MATERIALS, EQUIPMENT, OR VEHICLES SHALL OCCUR WITHIN THE FENCED AREAS.

TREE PROTECTION FENCING SHALL REMAIN IN PLACE UNTIL THE COMPLETION OF CONSTRUCTION, AS DETERMINED BY THE VILLAGE'S ZONING ADMINISTRATION.



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

LOCATE ANY REQUIRED SILT FENCE OUTSIDE OF SNOW FENCE

| | | | |
|--|----------|-----------|---------|
| TREE PROTECTION | | | |
| SCALE | NONE | REVISIONS | |
| DATE | 01/01/26 | NO. | BY DATE |
| DRAFTER | MRC | | |
| SHEET NO. | | | |
| 1 OF 1 | | | |
| VILLAGE OF HOFFMAN ESTATES ENGINEERING DIVISION | | | |

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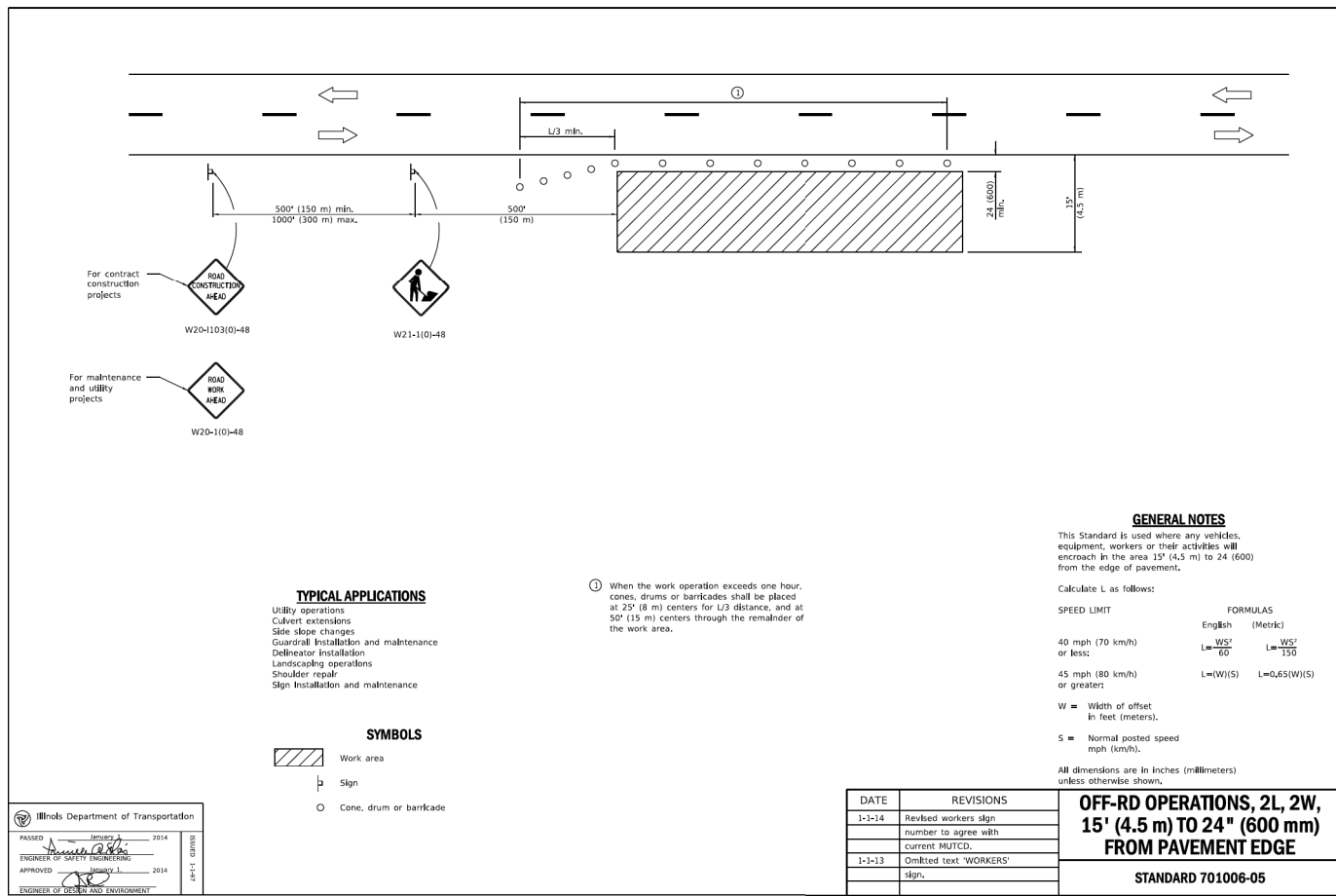
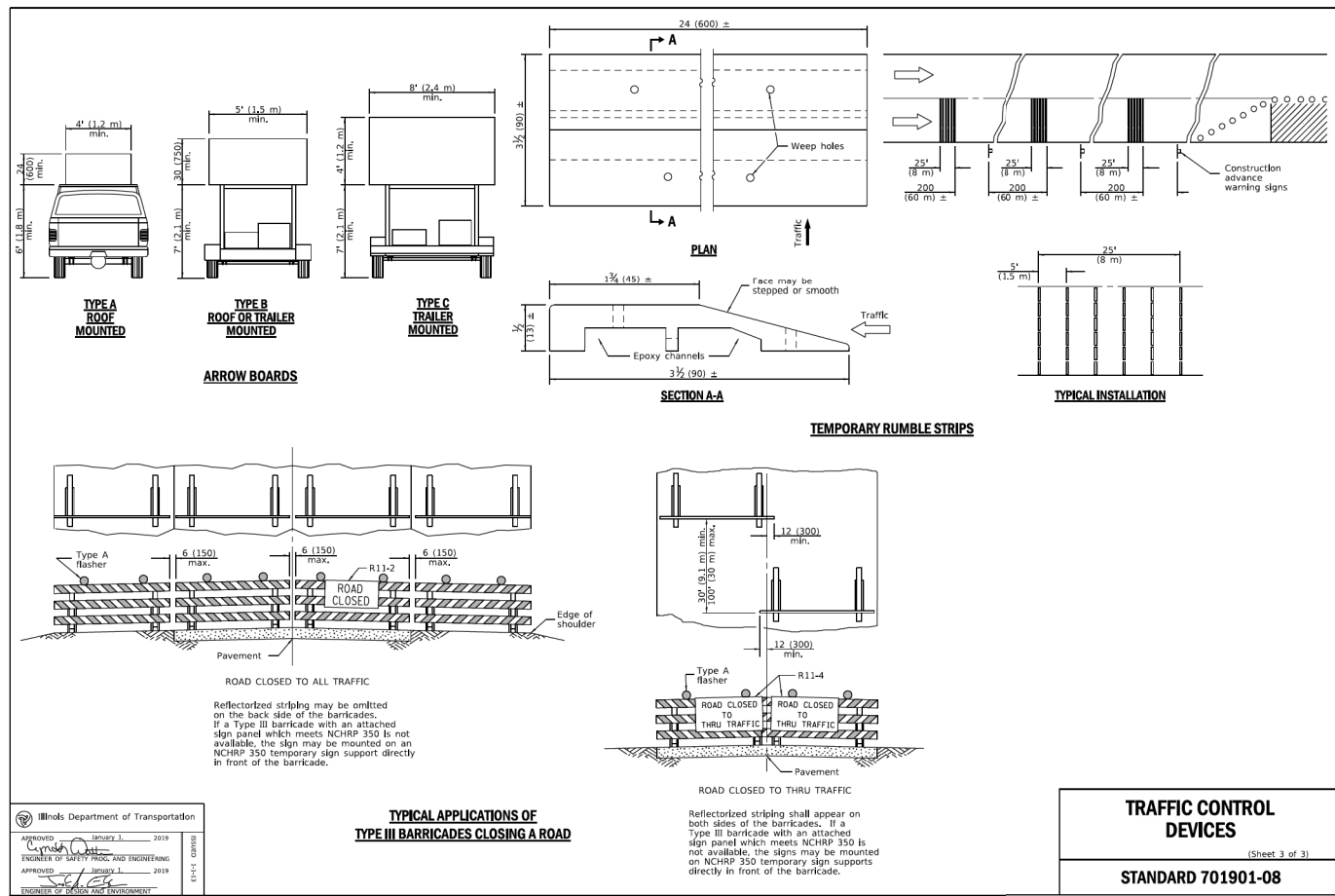
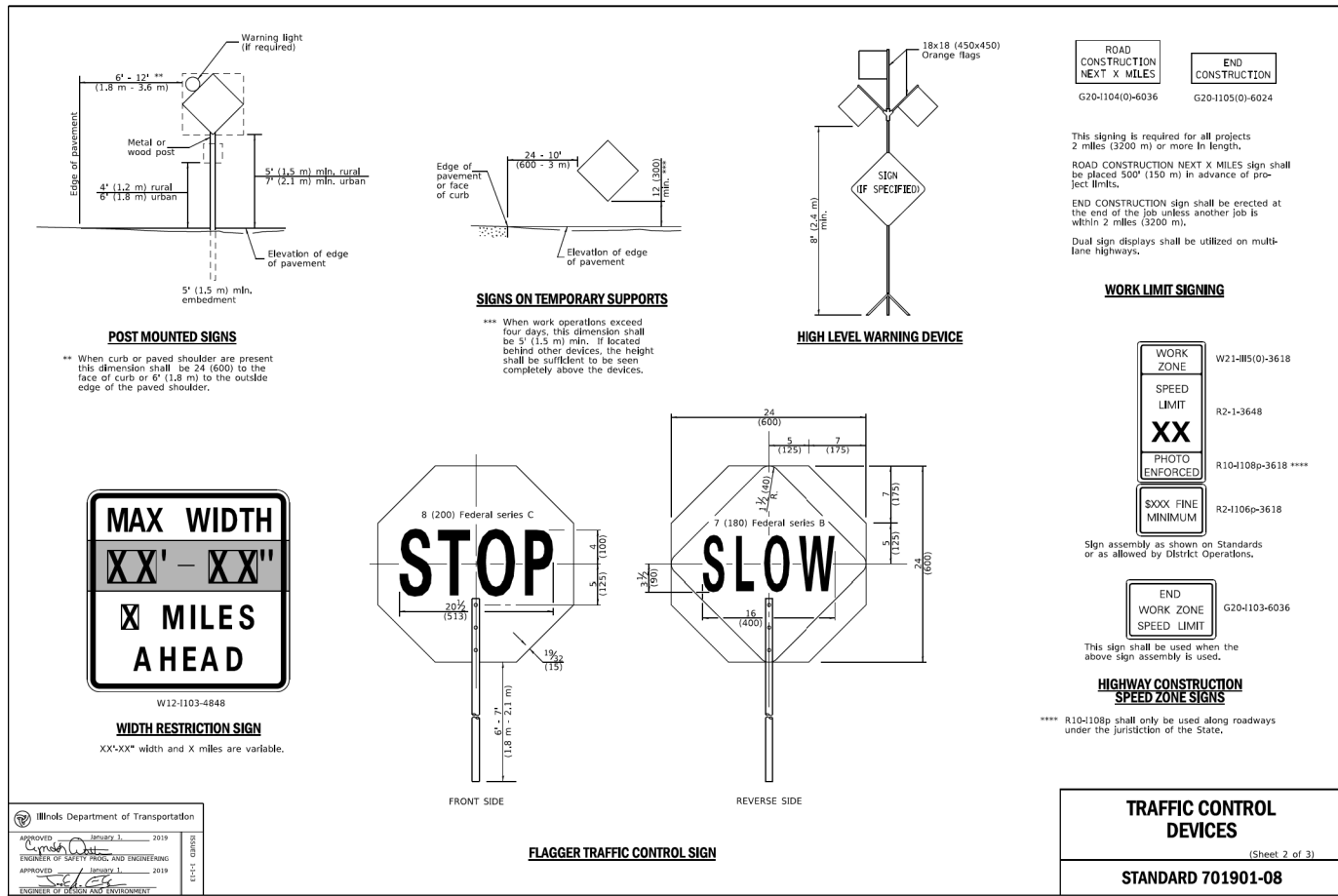
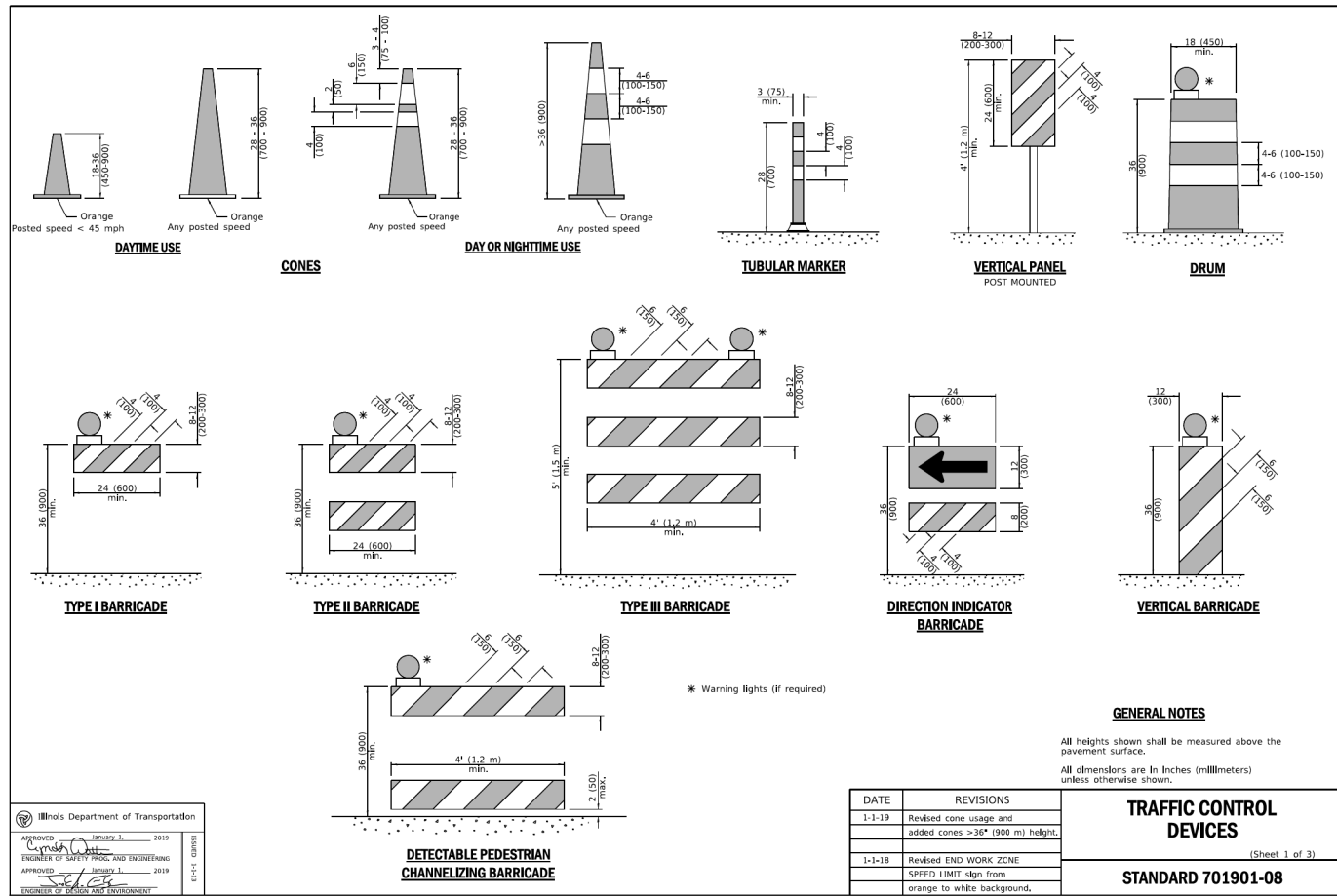
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VILLAGE OF HOFFMAN ESTATES

| | | | |
|------------------------|---------|-------------|--------------|
| VILLAGE DETAILS | | | |
| SCALE: N.T.S. | SHEET 1 | OF 3 SHEETS | STA. TO STA. |

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|---------------------------|----------------|--------|--------------|-----------|
| N/A RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 19 |
| CONTRACT NO. | | | N/A | |
| ILLINOIS FED. AID PROJECT | | | | |



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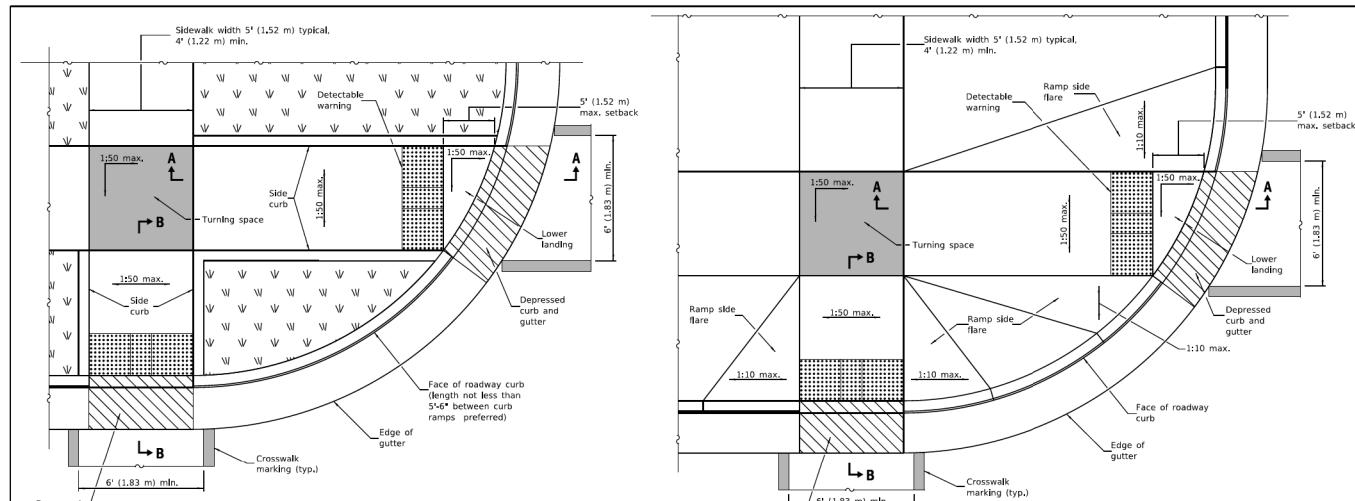
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VILLAGE OF HOFFMAN ESTATES

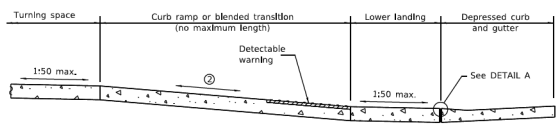
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| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| | | | CONTRACT NO. | N/A |
| | | | ILLINOIS | FED. AID PROJECT |

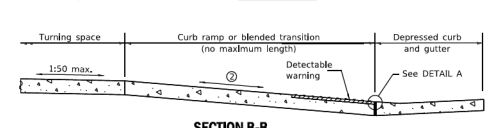


**RAMP IN LANDSCAPED AREA
SETBACK ≤ 5'**

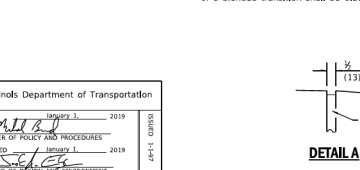
**RAMP IN PAVED AREA
SETBACK ≤ 5'**



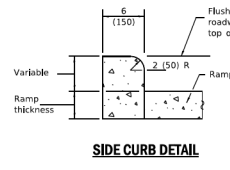
SECTION A-A



SECTION B-B



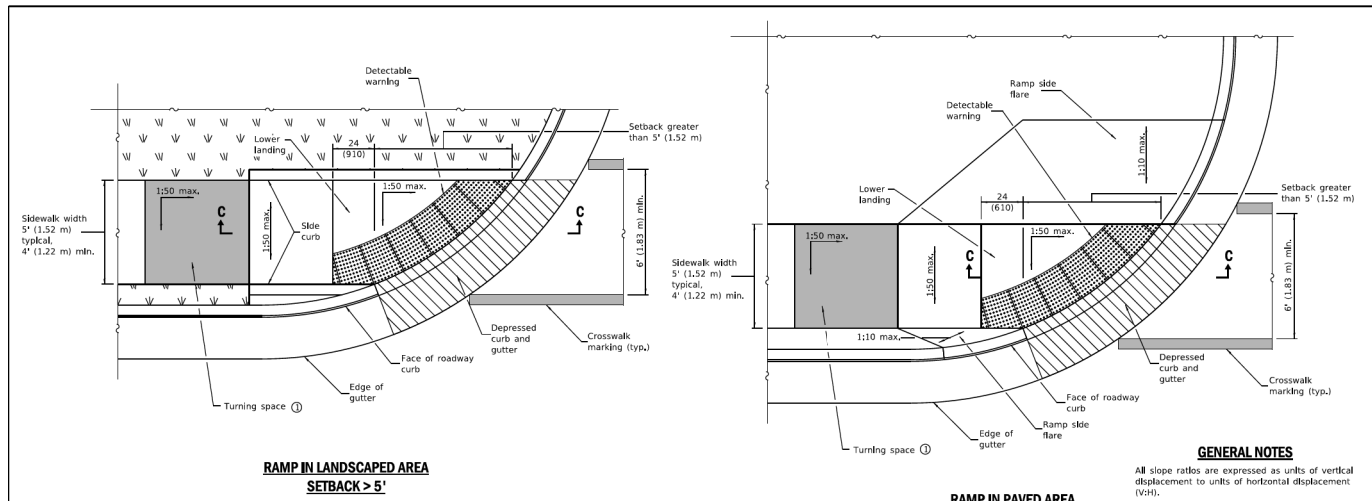
DETAIL A



SIDE CURB DETAIL

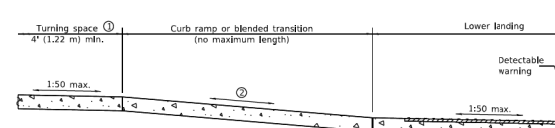
| DATE | REVISIONS |
|--------|---|
| 1-1-19 | Removed "15-foot rule", added "blended transitions" and placement tolerances for detectable warnings. |
| 1-1-18 | Omitted diagonal slope at turning spaces and lower landings. |

See Sheet 2 for GENERAL NOTES.
PERPENDICULAR CURB RAMPS FOR SIDEWALKS
(Sheet 1 of 2)
STANDARD 424001-11



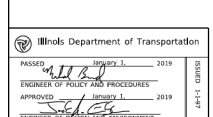
**RAMP IN LANDSCAPED AREA
SETBACK > 5'**

**RAMP IN PAVED AREA
SETBACK > 5'**

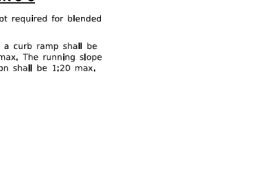


SECTION C-C

- ① This turning space not required for blended transitions.
- ② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



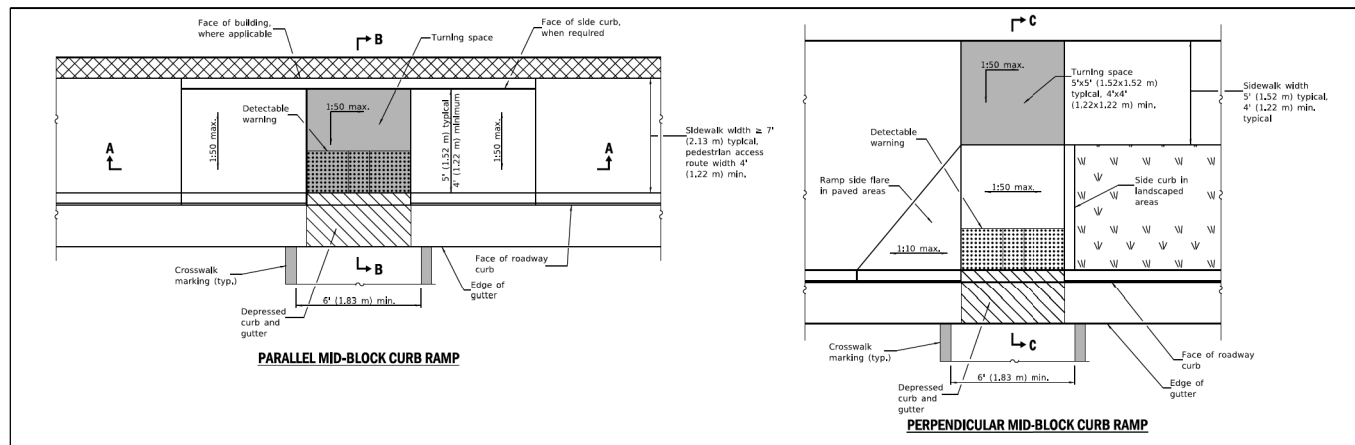
DETAIL A



SIDE CURB DETAIL

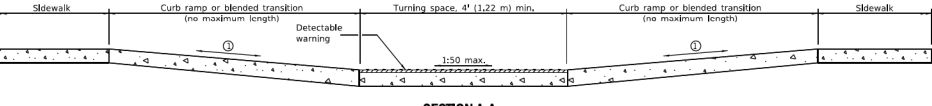
| DATE | REVISIONS |
|--------|---|
| 1-1-19 | Added blended transitions and placement tolerances for detectable warnings. |
| 1-1-18 | Omitted diagonal slope at upper landings. |

See Standard 606001 for details of depressed curb adjacent to curb ramp.
PERPENDICULAR CURB RAMPS FOR SIDEWALKS
(Sheet 2 of 2)
STANDARD 424001-11



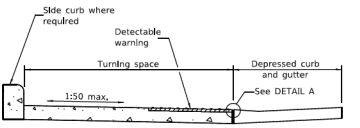
PARALLEL MID-BLOCK CURB RAMP

PERPENDICULAR MID-BLOCK CURB RAMP

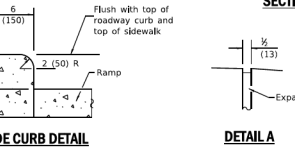


SECTION A-A

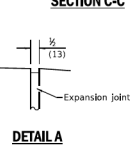
- ① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SECTION B-B



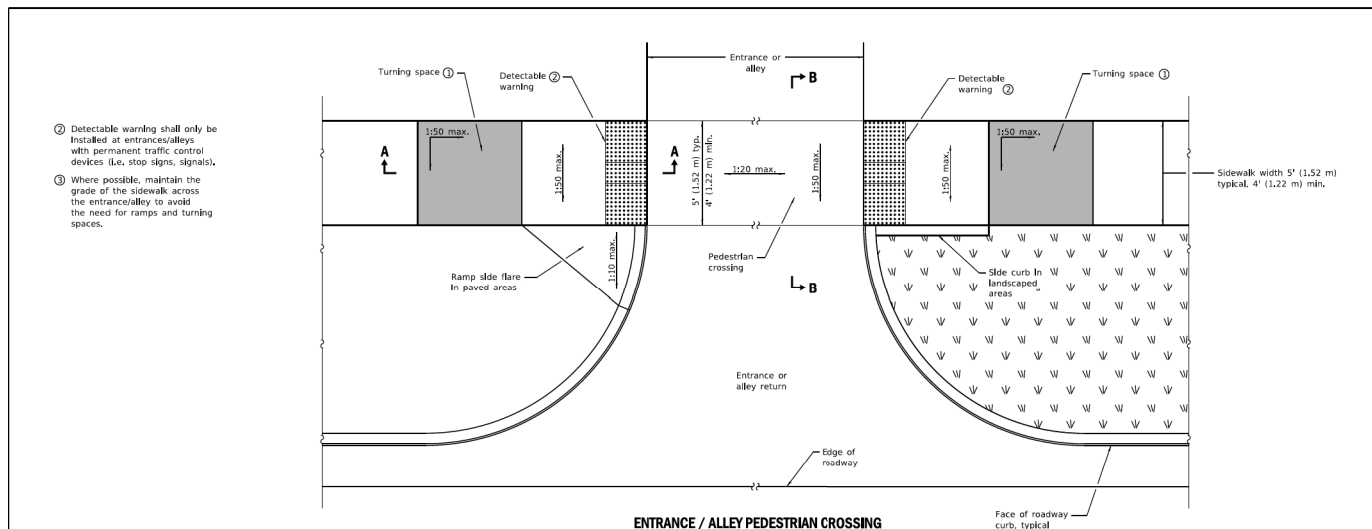
SIDE CURB DETAIL



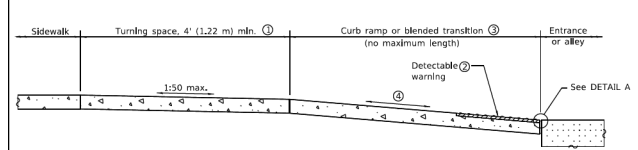
DETAIL A

| DATE | REVISIONS |
|--------|---|
| 1-1-19 | Removed upper landing, added blended transitions and detectable warning tolerances. |
| 1-1-18 | Omitted diagonal slope at turning spaces and upper landings. |

See Standard 606001 for details of depressed curb adjacent to curb ramp.
MID-BLOCK CURB RAMPS FOR SIDEWALKS
STANDARD 424016-05



ENTRANCE / ALLEY PEDESTRIAN CROSSING

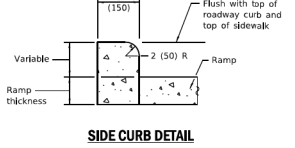


SECTION A-A

- ① Turning space not required for blended transitions.
- ② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SIDE CURB DETAIL

| DATE | REVISIONS |
|--------|---|
| 1-1-19 | Added blended transitions and placement tolerances for detectable warnings. |
| 1-1-18 | Omitted diagonal slope at upper landings. |

See Standard 606001 for details of depressed curb adjacent to curb ramp.
ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
STANDARD 424026-03

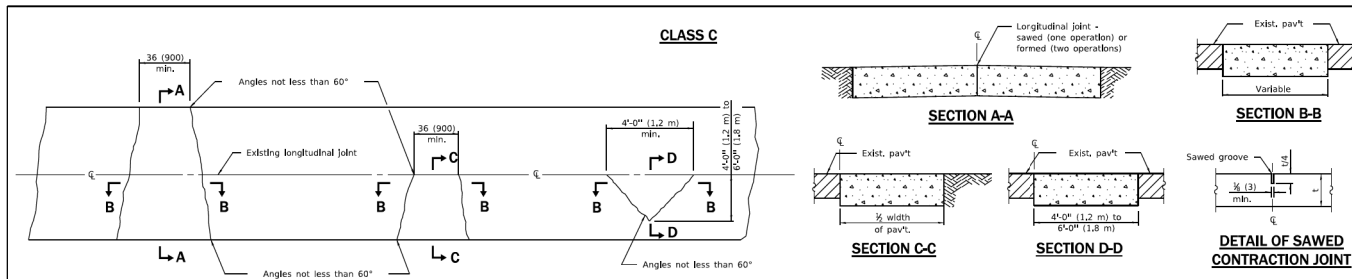
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| PLOT SCALE = 40,000' / in. | DRAWN - | REVISED - |
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| | DATE = 6/8/2026 | REVISED - |

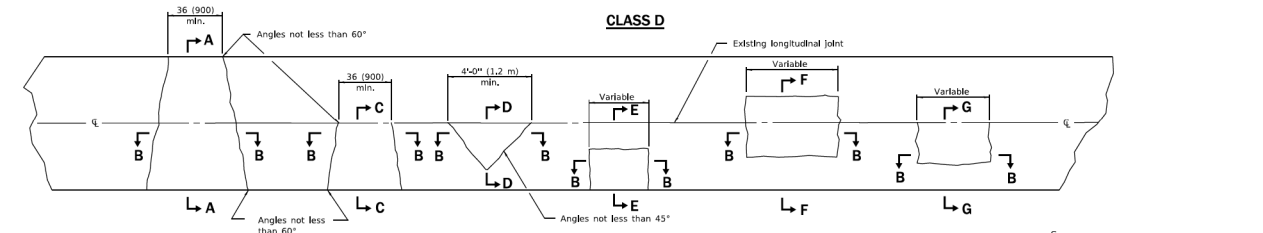


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| SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. TO STA. |
|---------------|---------------------|--------------|

| | | | | |
|-----|----------------|---------------------------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 24 |
| | | CONTRACT NO. | | N/A |
| | | ILLINOIS FED. AID PROJECT | | |



Note:
Longitudinal joints shall be as detailed on Standard 420001, except the bars are not required for patches 20'-0" (5.0 m) or less in length.



GENERAL NOTES
Existing bars shall be either cut or removed. Marginal bars shall be cut.
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2008
ENGINEER OF PROJECT AND PROCEDURES
APPROVED January 1, 2008
ENGINEER OF RECORD AND SUPERVISOR

| DATE | REVISIONS |
|--------|-------------------------------------|
| 1-1-08 | Switched units to English (metric). |
| 1-1-07 | Revised Note for Class C patches. |

CLASS C and D PATCHES
STANDARD 442201-03

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| PLOT SCALE = 40.000' / 1 in. | DRAWN - | REVISED - |
| PLOT DATE = 6/8/2026 | CHECKED - | REVISED - |
| | DATE = 6/8/2026 | REVISED - |



VILLAGE OF HOFFMAN ESTATES

| | | | |
|----------------------|---------|-------------|--------------|
| CIVIL DETAILS | | | |
| SCALE: N.T.S. | SHEET 2 | OF 2 SHEETS | STA. TO STA. |

| | | | | |
|--------------|----------------|------------------|--------------|-----------|
| N/A | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 26-00121-00-LT | COOK | 25 | 25 |
| CONTRACT NO. | | | N/A | |
| ILLINOIS | | FED. AID PROJECT | | |