



**LEGEND**

- MEDIAN SOIL MIX FURNISH AND PLACE SODDING SALT TOLERANT
- MEDIAN SOIL MIX FURNISH AND PLACE
- TOPSOIL (4") - SEE NOTE SODDING, SALT TOLERANT
- PERIMETER EROSION BARRIER
- EXISTING TREE TO REMAIN
- INLET FILTER

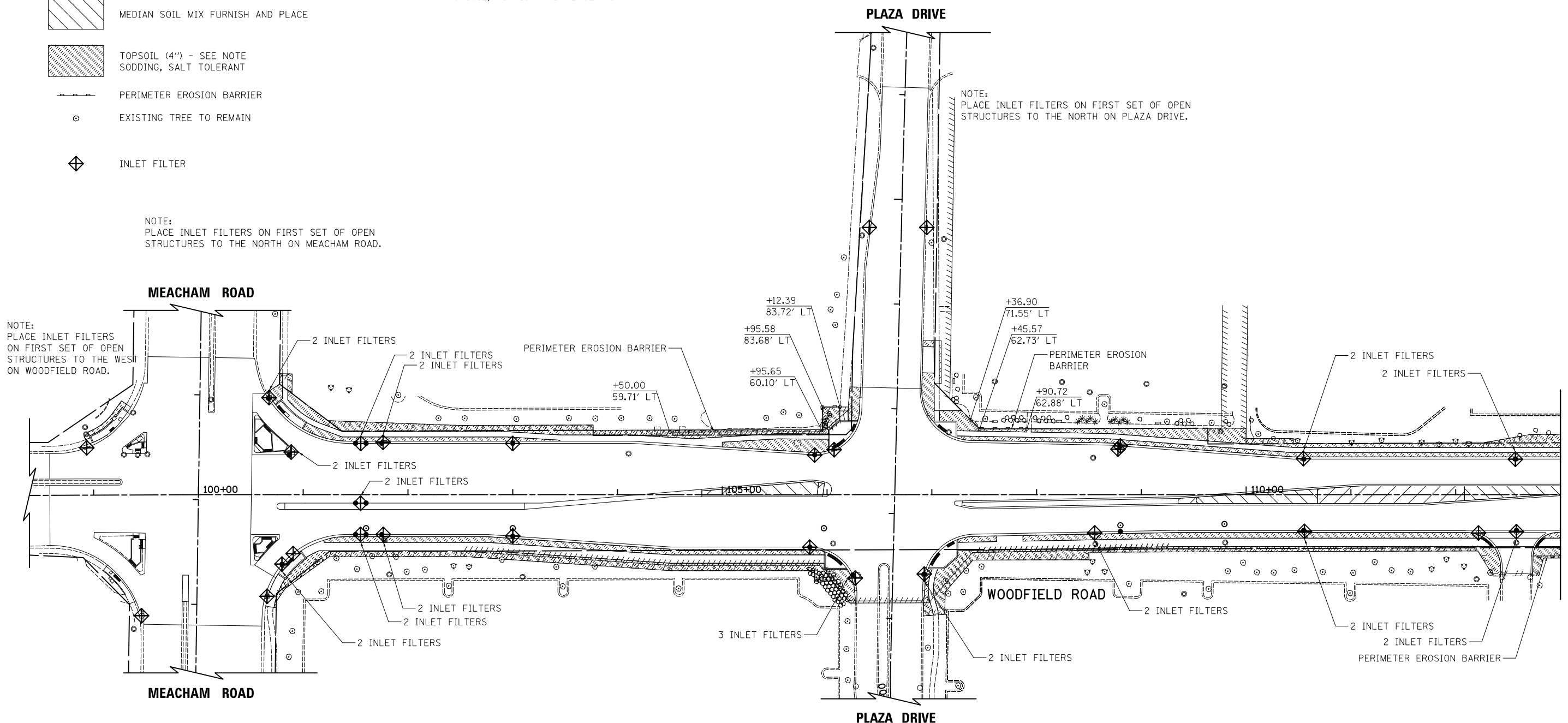
NOTE:  
TOPSOIL EXCAVATION AND PLACEMENT SHALL BE USED FIRST FOR PLACEMENT OF 4" OF TOPSOIL. IF SUFFICIENT EXISTING TOPSOIL IS NOT AVAILABLE, THE REMAINING AREA SHALL BE COMPLETED USING THE PAY ITEM TOPSOIL, FURNISH AND PLACE 4".

NOTE:  
PLACE INLET FILTERS ON FIRST SET OF OPEN STRUCTURES TO THE NORTH ON MEACHAM ROAD.

NOTE:  
PLACE INLET FILTERS ON FIRST SET OF OPEN STRUCTURES TO THE NORTH ON PLAZA DRIVE.

NOTE:  
PLACE INLET FILTERS ON FIRST SET OF OPEN STRUCTURES TO THE WEST ON WOODFIELD ROAD.

NOTE:  
PLACE INLET FILTERS ON FIRST SET OF OPEN STRUCTURES TO THE SOUTH ON MEACHAM ROAD.



MATCHLINE STA. 113+00  
SEE SHEET NO. 102



**WOODFIELD ROAD**

FILE NAME = ...3025\_Landscaping.dwg



USER NAME = jet	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

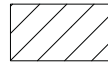
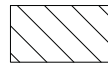




**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
EROSION CONTROL AND LANDSCAPING PLAN**

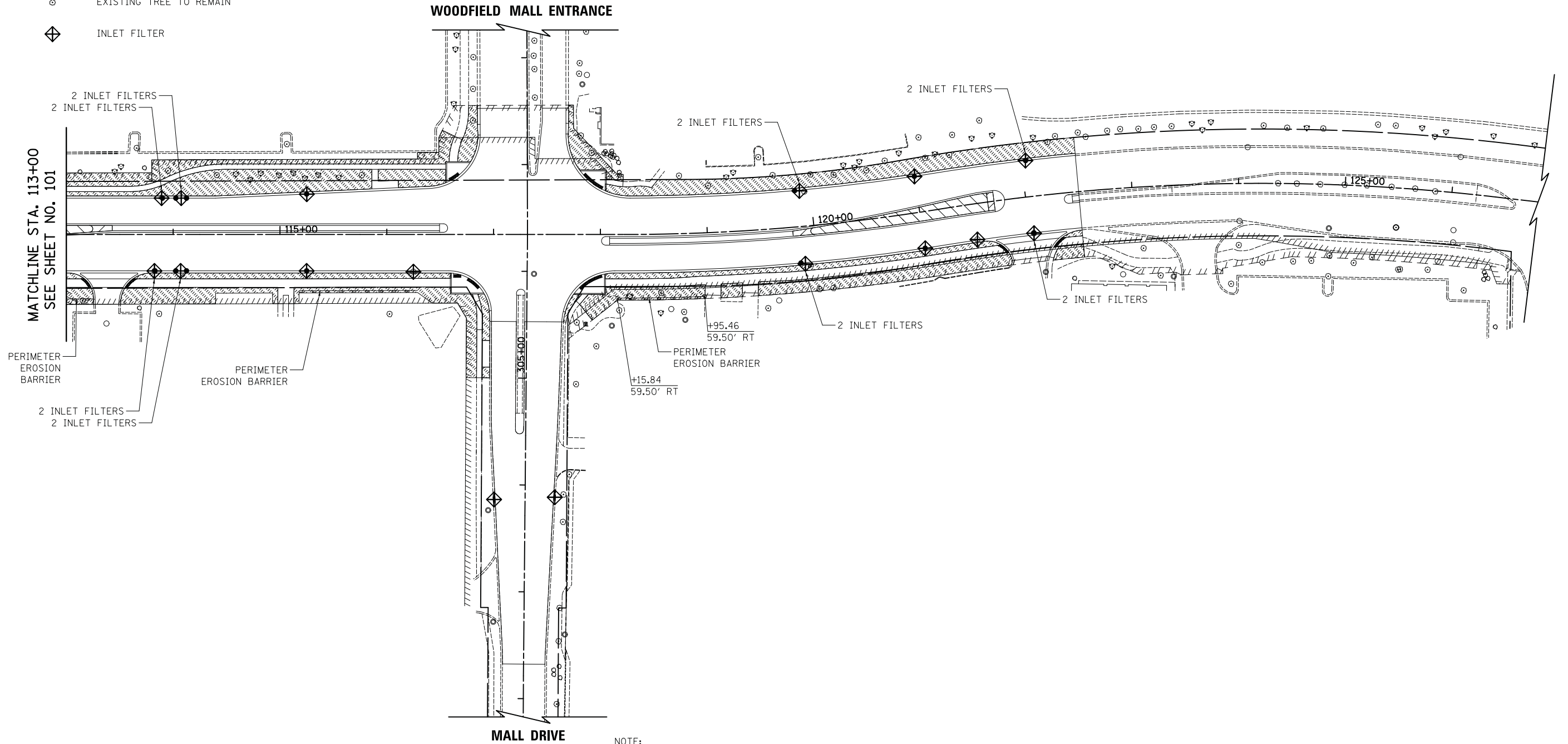
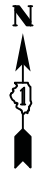
SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 98+58.16 TO STA. 113+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	101
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  MEDIAN SOIL MIX FURNISH AND PLACE  
SODDING SALT TOLERANT
-  MEDIAN SOIL MIX FURNISH AND PLACE
-  TOPSOIL (4") - SEE NOTE ON PREVIOUS SHEET  
SODDING, SALT TOLERANT
-  PERIMETER EROSION BARRIER
-  EXISTING TREE TO REMAIN
-  INLET FILTER

NOTE:  
PLACE INLET FILTERS ON FIRST SET OF OPEN  
STRUCTURES TO THE NORTH WITHIN WOODFIELD  
MALL ENTRANCE.



**WOODFIELD ROAD**

FILE NAME = ...3025\_Landscape\_02.dgn



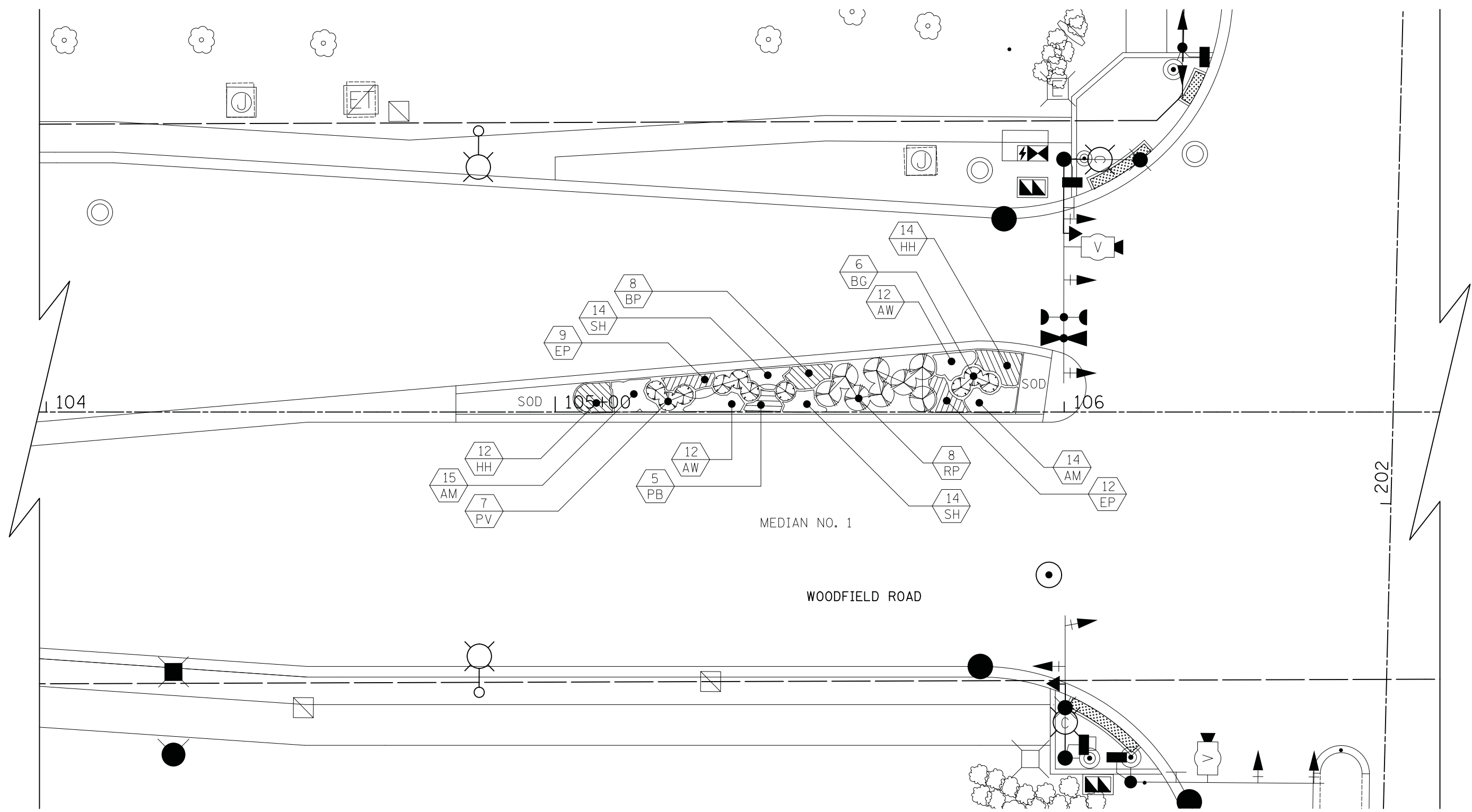
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PLOT DATE = 2/4/2019	CHECKED - DJK	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 113+00.00 TO STA. 122+50.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	102
<b>CONTRACT NO. 61F10</b>				
ILLINOIS FED. AID PROJECT				



MEDIAN NO. 1

WOODFIELD ROAD

PLAZA DRIVE

**LEGEND**

- NUMBER OF PLANTINGS
- PLANT IDENTIFICATION (SEE BILL OF MATERIALS)



FILE NAME = ...\3025.Planting\_01.dgn



USER NAME = jet	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
PLANTING PLAN**

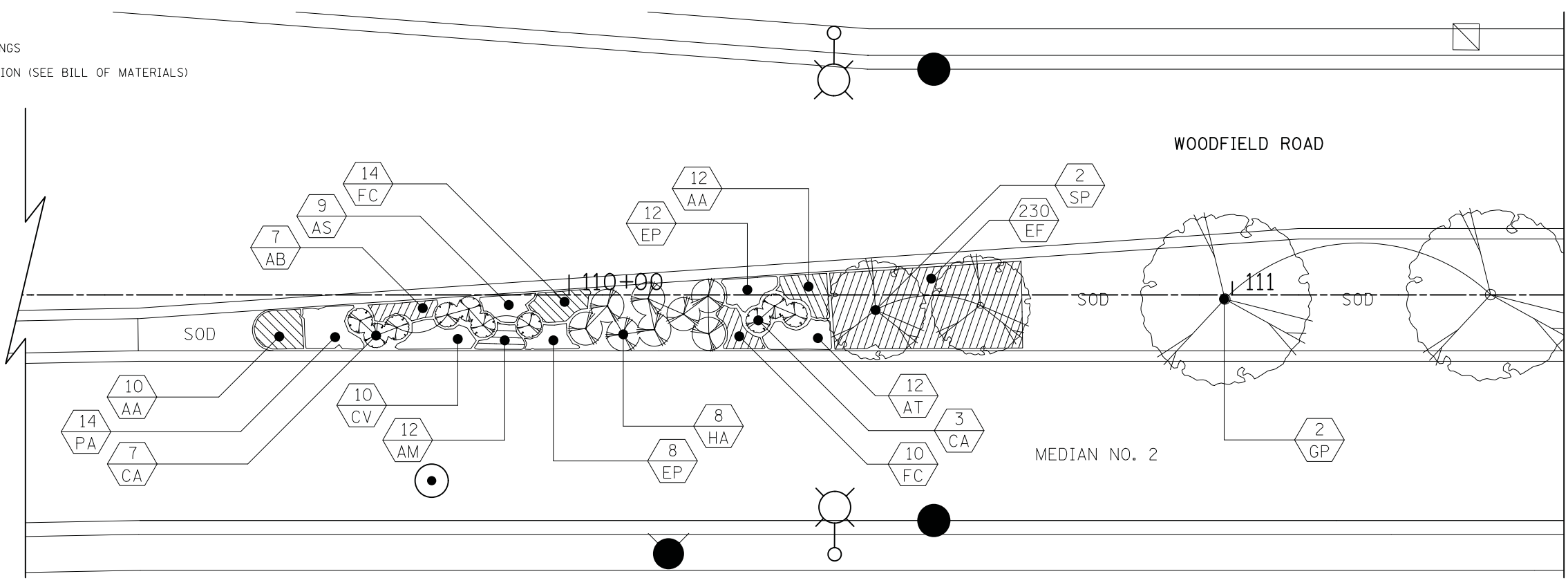
SCALE: 1"=10'    SHEET 1 OF 3 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	103
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

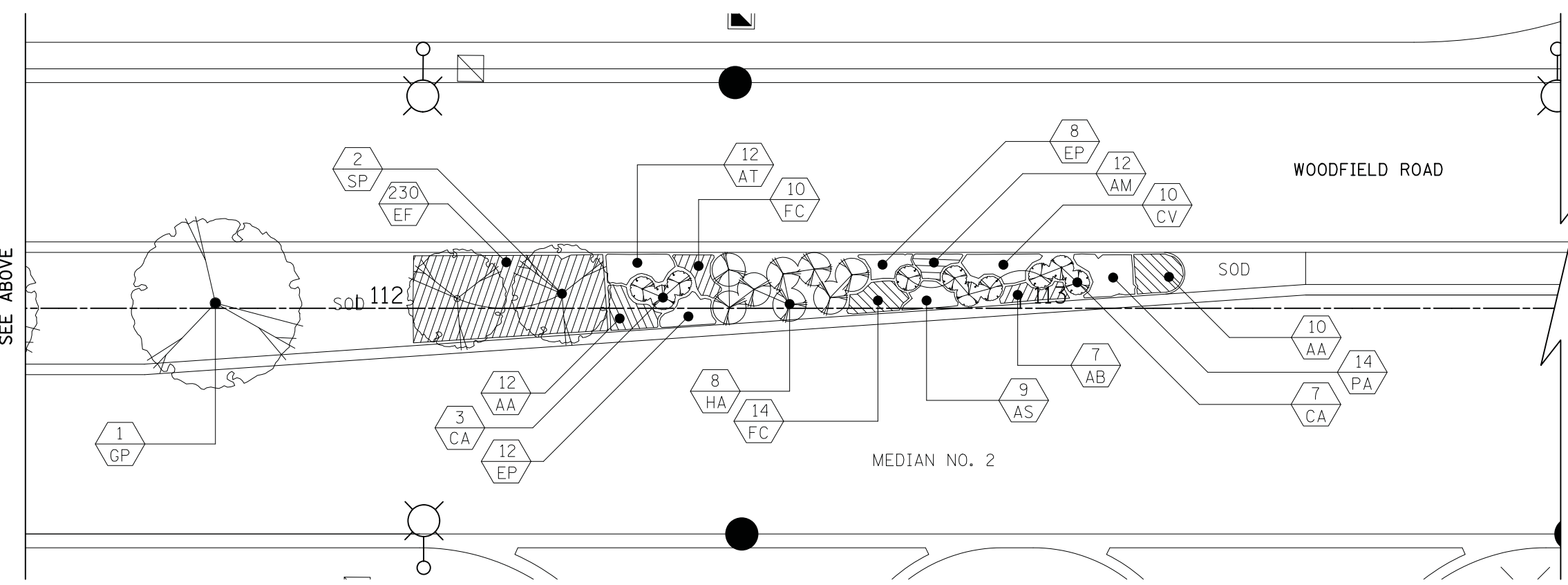


**LEGEND**

-  NUMBER OF PLANTINGS
-  PLANT IDENTIFICATION (SEE BILL OF MATERIALS)



MATCHLINE STA. 111+50  
SEE BELOW



MATCHLINE STA. 111+50  
SEE ABOVE



FILE NAME = ...3625.Planting\_02.dgn



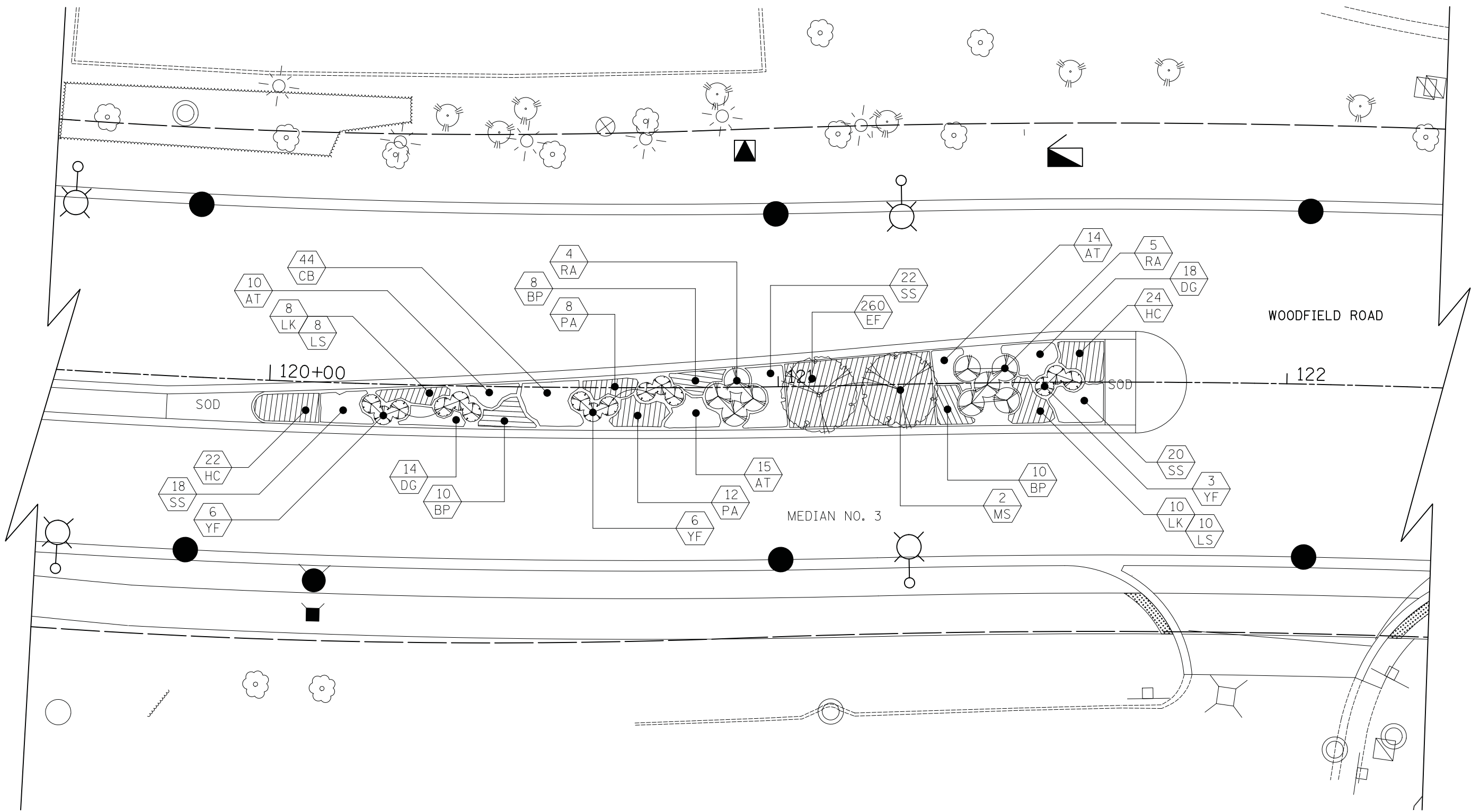
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PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
PLANTING PLAN**

SCALE: 1"=10' SHEET 2 OF 3 SHEETS

MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 104
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- NUMBER OF PLANTINGS
- PLANT IDENTIFICATION (SEE BILL OF MATERIALS)



FILE NAME = ...\3625-Planting\_03.dgn



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	DRAWN - KDC	REVISED -
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PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

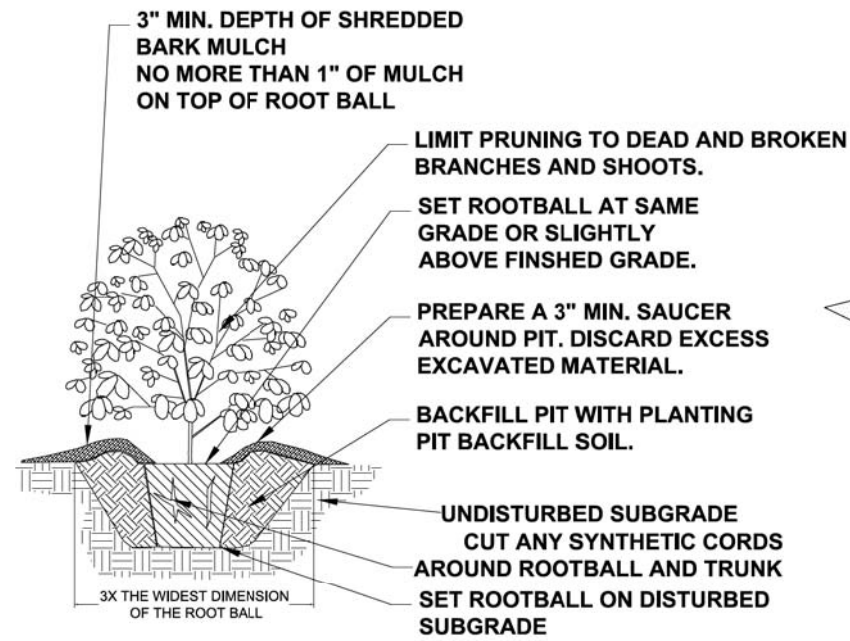
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
PLANTING PLAN**

SCALE: 1"=10'    SHEET 3 OF 3 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	105
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

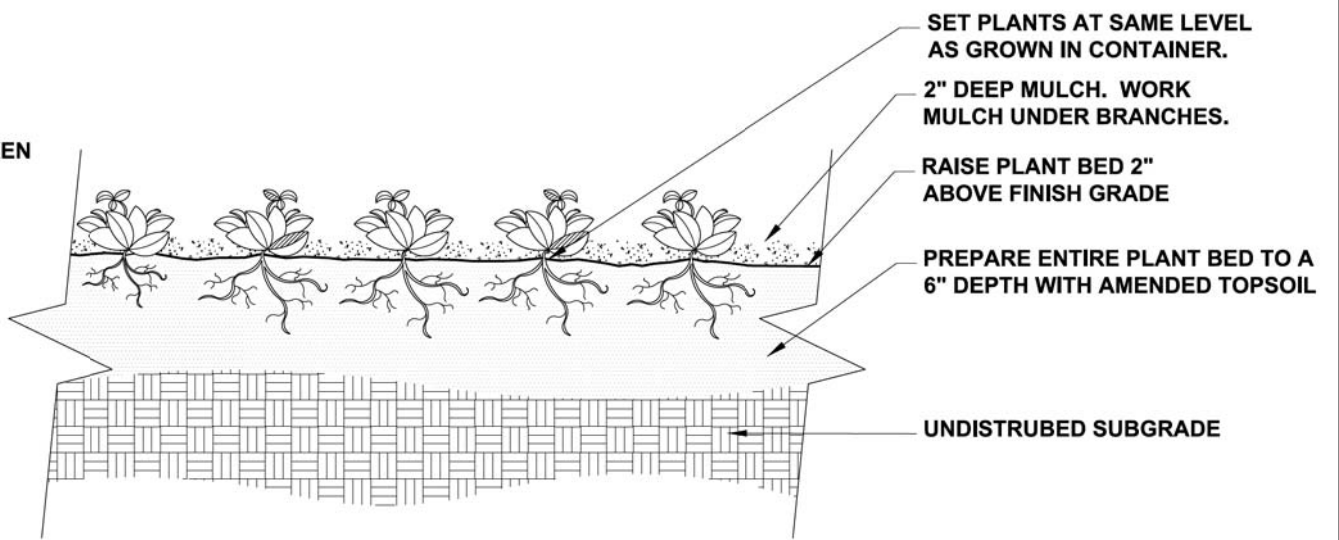
**GENERAL CONSTRUCTION NOTES:**

1. ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT-ENGINEER.
2. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
3. ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
4. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
5. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
6. ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
7. TREES SHALL BE STAKED AND GUYED AND WATERING SAUCER AT BASE.
8. ALL MASS PLANTED SHRUB BEDS TO BE BERMED 2" TO 3" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
9. LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
10. ALL DISTURBED AREAS SHALL HAVE A MIN. OF 6" OF TOPSOIL PLACED AND THEN SEED, FERT. AND BLANKET INSTALLED.
11. ALL BEDS SHALL BE EDGED, HAVE WEED PRE-EMERGENTS APPLIED AT THE RECOMMENDED RATE, AND SHREDDED HARDWOOD MULCH SPREAD AT A MINIMUM OF 3" DEPTH.
12. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
13. ALL EXISTING TREES OF HIGH QUALITY LOCATED OUTSIDE OF THE CONSTRUCTION ZONE SHALL BE SAVED.
14. CONTRACTOR TO DEEP SPADE EDGE AND MULCH ALL EXISTING LANDSCAPE BEDS WITHIN THE PROJECT LIMITS.



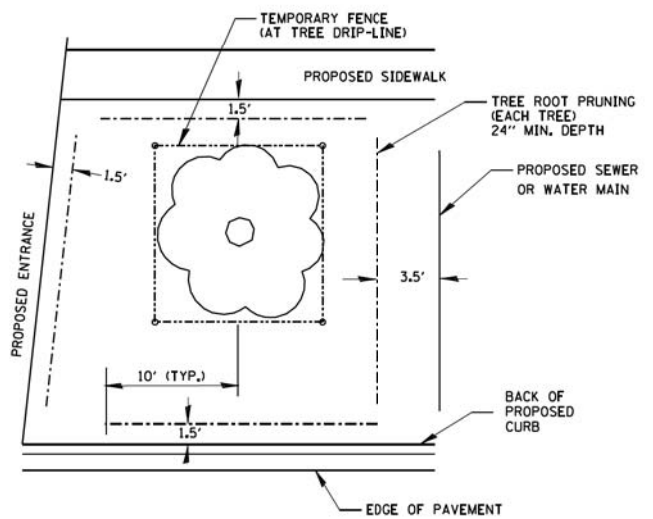
**SHRUB PLANTING DETAIL**

NO SCALE



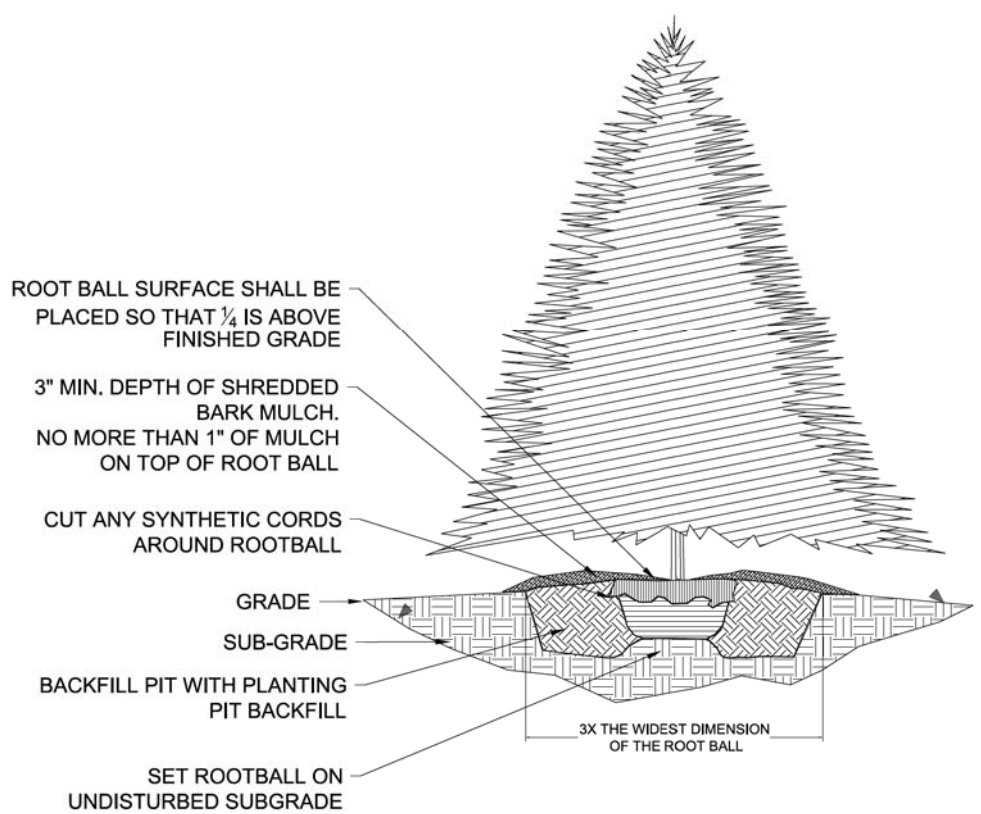
**PERENNIAL, AND GROUNDCOVER DETAIL**

NO SCALE



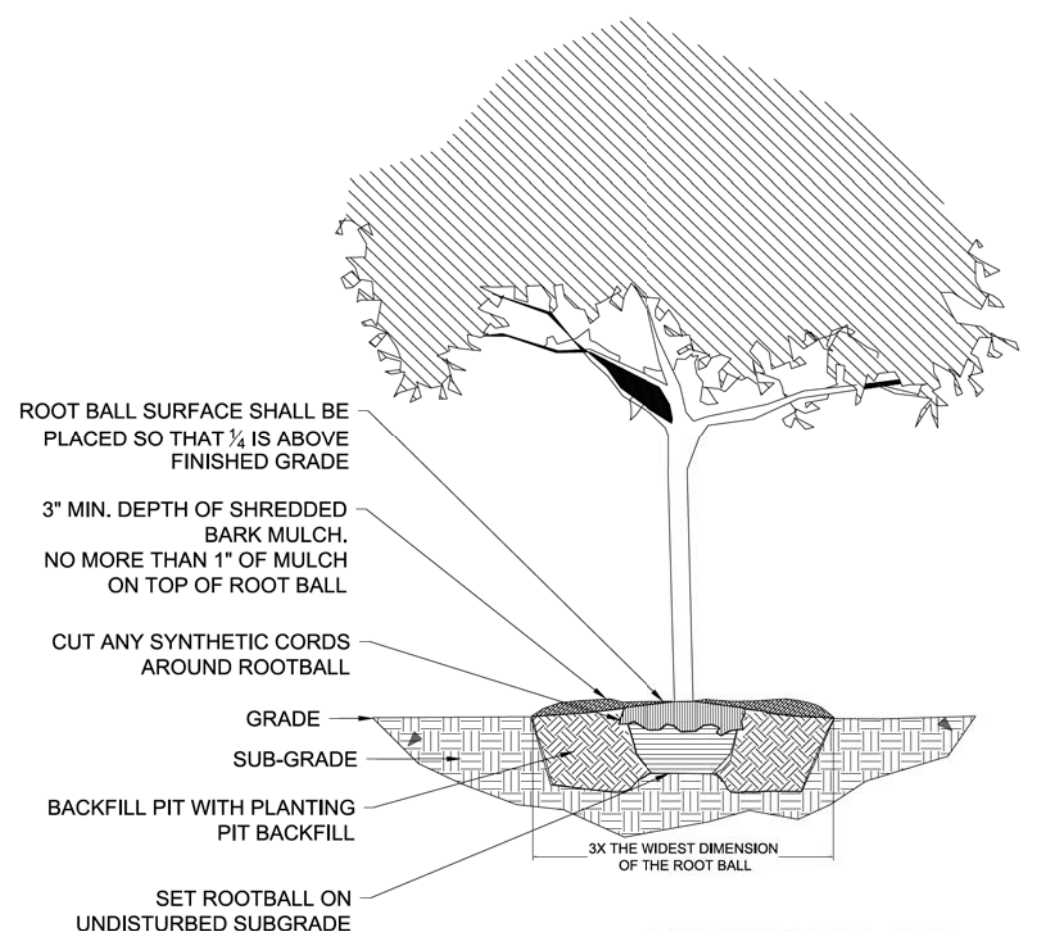
**TREE & ROOT PROTECTION**

N.T.S.



**EVERGREEN TREE PLANTING DETAIL**

NO SCALE



**TREE PLANTING DETAIL**

NO SCALE

FILE NAME = ...3025-Planting-Details.dgn



USER NAME = jet	DESIGNED - KDC	REVISED -
DRAWN - KDC	REVISIONS -	
PLOT SCALE = 10.0000' / 1"	CHECKED - DJK	REVISIONS -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION






WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
PLANTING DETAILS

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	106
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

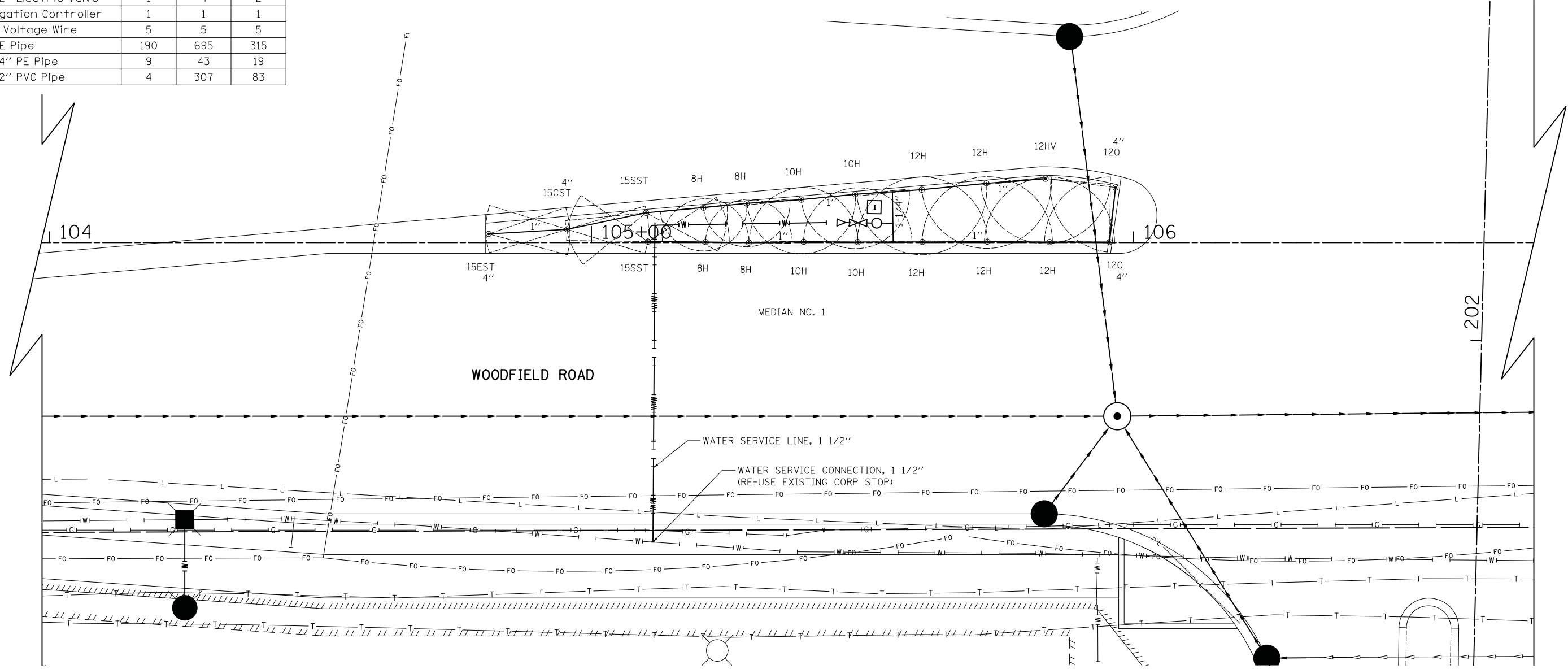
BILL OF MATERIALS			
ITEM NAME	MEDIAN NUMBER		
	1	2	3
QUANTITY			
Rain Bird 15H, 12"		1	6
Rain Bird 15H, 4"		18	2
Rain Bird 12H, 12"	5	16	10
Rain Bird 12HV, 12"	1		
Rain Bird 12Q, 4"	2		
Rain Bird 10H, 12"	4	12	4
Rain Bird 8H, 12"	4	8	4
Rain Bird 15EST, 4"	1	2	1
Rain Bird 15SST, 12"	2	4	2
Rain Bird 15CST, 4"	1	2	1
1-1/2" Electric Valve	1	4	2
Irrigation Controller	1	1	1
Low Voltage Wire	5	5	5
1" PE Pipe	190	695	315
1-1/4" PE Pipe	9	43	19
1-1/2" PVC Pipe	4	307	83

**LEGEND**

-  POP-UP SPRAY HEAD (SIZE AND TYPE INDICATED)
-  1" QUICK COUPLER
-  1 1/2" RPZ
-  1 1/2" ELECTRIC VALVE
-  IRRIGATION CONTROLLER (NUMBER INDICATES NUMBER OF ZONES)

**NOTES**

- EXISTING WATERMAIN PRESSURES ARE APPROXIMATELY BETWEEN 48-56 PSI. CONTRACTOR SHALL REVISE IRRIGATION ZONES ACCORDINGLY BASED ON IRRIGATION MANUFACTURER MINIMUM VALVE AND DRIP KIT INLET PRESSURE REQUIREMENTS.
- ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
- ALL ELECTRICAL CONNECTIONS SHALL BE MADE USING WATERPROOF SPLICES.
- PIPE ROUTING IS SCHEMATIC. FINAL IRRIGATION PIPE AND CONTROL CONDUIT PLACEMENT SHALL BE LOCATED TO MINIMIZE CONFLICTS WITH EXISTING AND PROPOSED UTILITIES (CONTRACTOR TO COORDINATE).
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING THE IRRIGATION SCHEDULE DURING THE PROJECT CONSTRUCTION AND UNTIL THE SYSTEM IS ACCEPTED BY THE ENGINEER. LANDSCAPE MATERIAL SHALL RECEIVE ADJUSTED AMOUNTS OF PRECIPITATION TO MAINTAIN PROPER PLANT HEALTH.
- IRRIGATION CONTROL WIRING SHALL CONSIST OF #14 AWG TINNED COPPER MULTI CONDUCTOR CABLE WITH A COMMON GROUND. CABLE SHALL BE RATED FOR UNDERGROUND, DIRECT BURIAL APPLICATIONS, AND PROVIDED WITH A SUNLIGHT/UV RESISTANT PVC OUTER JACKET. CONTRACTOR SHALL SIZE CABLE TO PROVIDE EACH CONTROL VALVE WITH 2/C #14 AWG WIRES.
- IRRIGATION CONTRACTOR SHALL INCLUDE LABOR AND EQUIPMENT FOR PROVIDING ONE WINTER AND ONE SPRING STARTUP IN PROJECT SCOPE.
- IRRIGATION PIPE & SPRAY HEADS SHALL BE LOCATED A MINIMUM OF 6" BEHIND THE BACK OF CURB.
- CONTRACTOR SHALL FURNISH AND INSTALL 1/C #12 SOLID XLP-TYPE USE TRACER WIRE. THE TRACER WIRE SHALL BE TAPED TO PROPOSED IRRIGATION PIPE APPROXIMATELY EVERY 8-10FT, AND TERMINATE AT TRACER ACCESS WELL, LOCATED ADJACENT TO IRRIGATION ENCLOSURE.
- ALL POP-UP SPRAY HEADS ARE TO BE TWELVE INCHES (12") IN HEIGHT UNLESS OTHERWISE NOTED.
- ALL WORK SHOWN SHALL BE PAID FOR AS "IRRIGATION SYSTEM", EXCEPT FOR "WATER SERVICE LINE" AND "WATER SERVICE CONNECTION."



FILE NAME = ...3025\_Irrigation.dwg



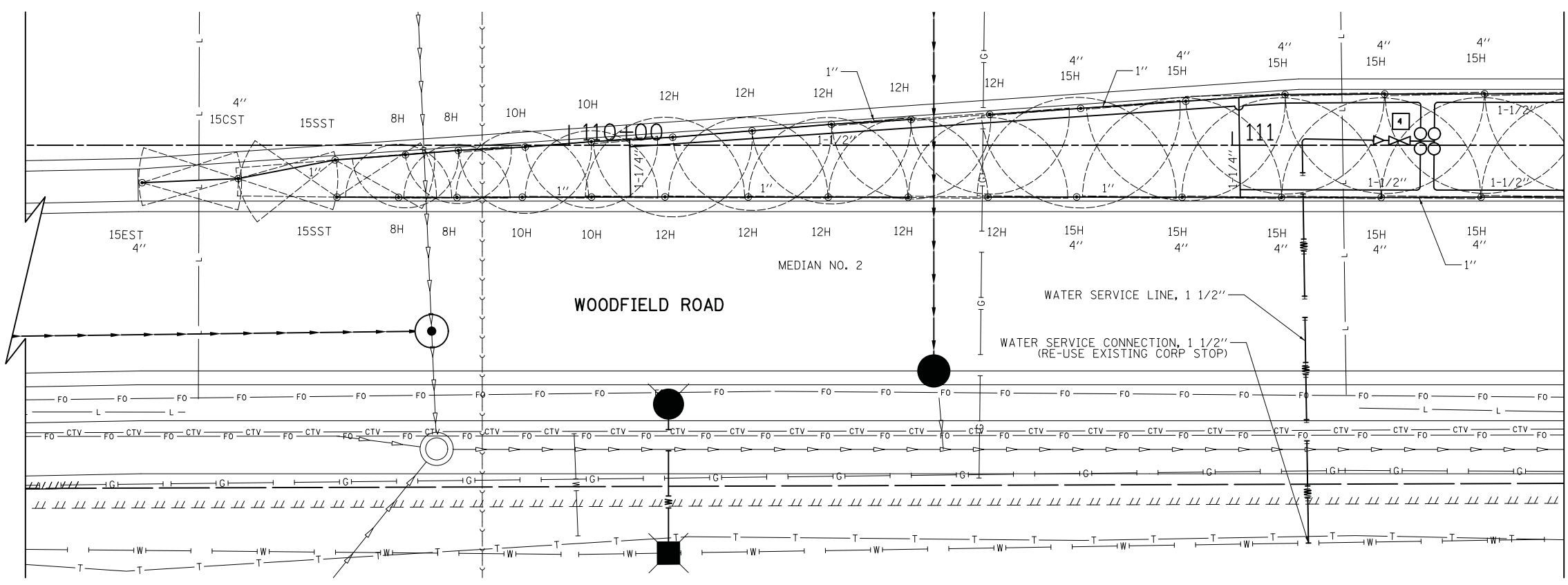
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PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

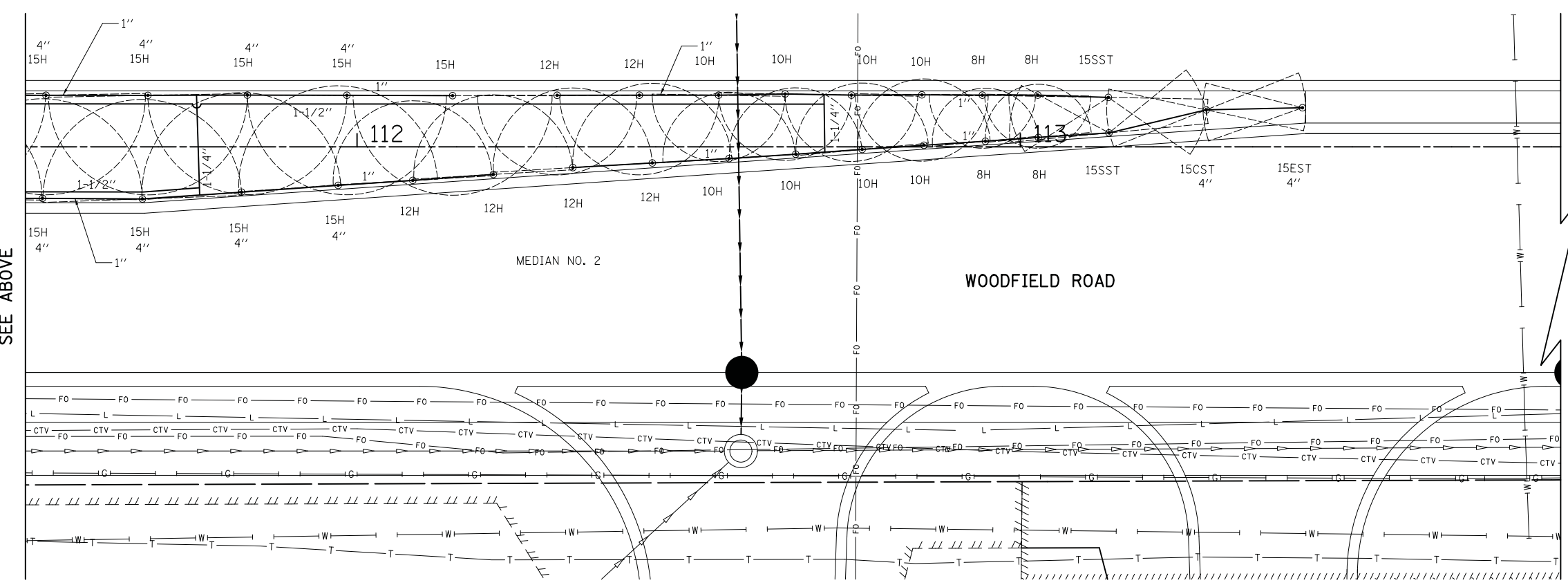
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
IRRIGATION PLAN**

SCALE: 1"=10' SHEET 1 OF 3 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	107
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 111+50  
SEE BELOW



MATCHLINE STA. 111+50  
SEE ABOVE



FILE NAME = ...3025\_Irrigation\_02.dgn



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PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

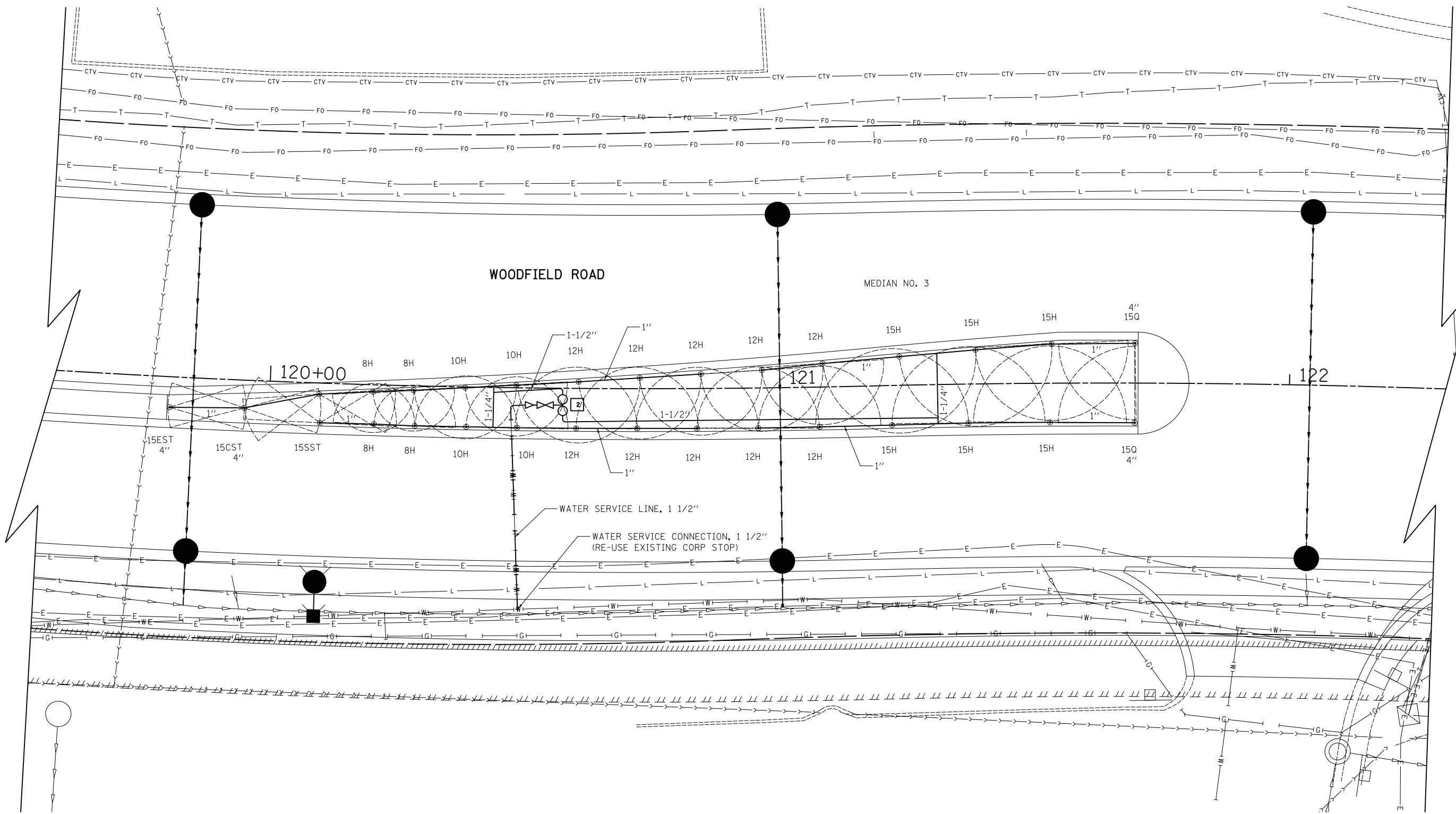
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
IRRIGATION PLAN

SCALE: 1"=10' SHEET 2 OF 3 SHEETS STA. TO STA.

MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 108
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				





FILE NAME = ...3025\_Irrigation\_03.dgn



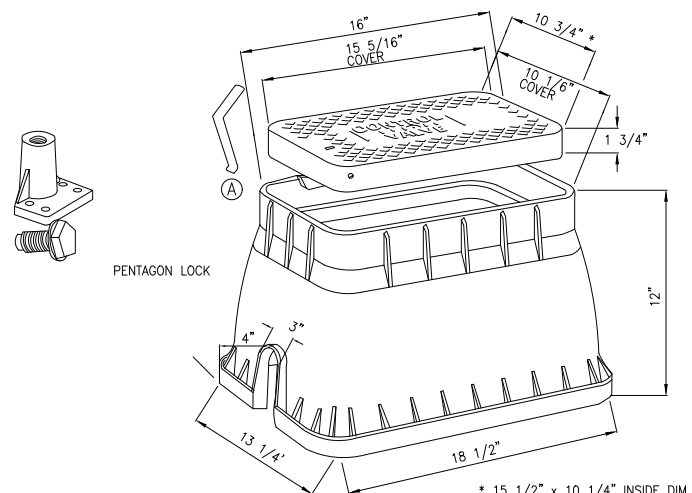
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	DRAWN - KDC	REVISED -
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PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
IRRIGATION PLAN**

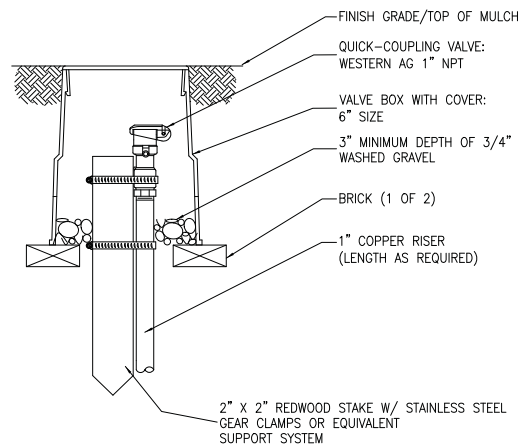
SCALE: 1"=10'    SHEET 3 OF 3 SHEETS    STA.    TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	109
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

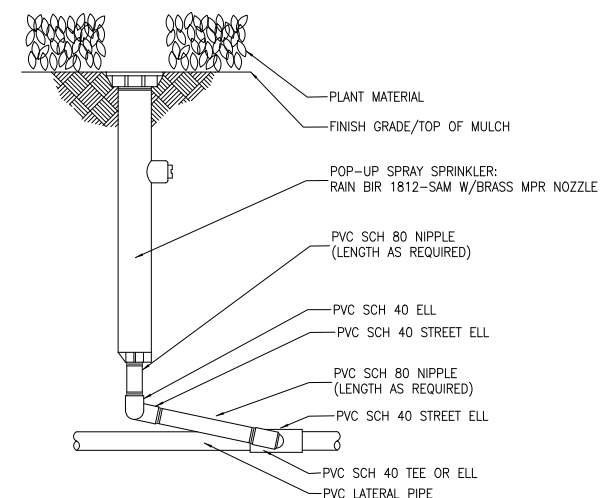
**VALVE BOX (LARGE)**



NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

**QUICK COUPLE**

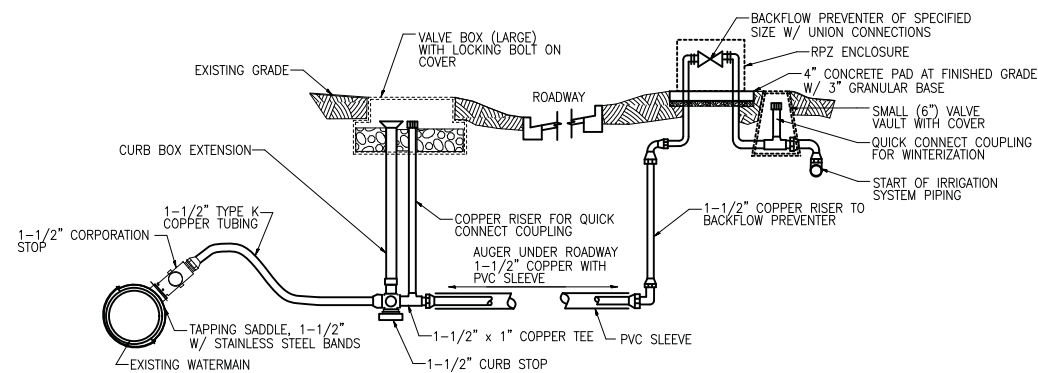
RUBBER COVERED QUICK COUPLING VALVE IN A VALVE BOX, ON A SWING JOINT STABILIZED WITH A REDWOOD STAKE AND CLAMPS.



NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

**1812 POP-UP SPRAY SPRINKLER**

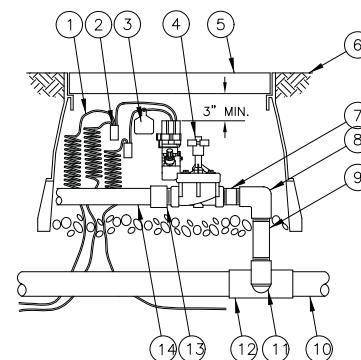
12" PLASTIC POP-UP SPRAY HEAD ON SWING JOINT, SHOWING BOTTOM INLET



**WATER SERVICE CONNECTION & BACKFLOW PREVENTER DETAIL FOR MEDIAN IRRIGATION SYSTEM**

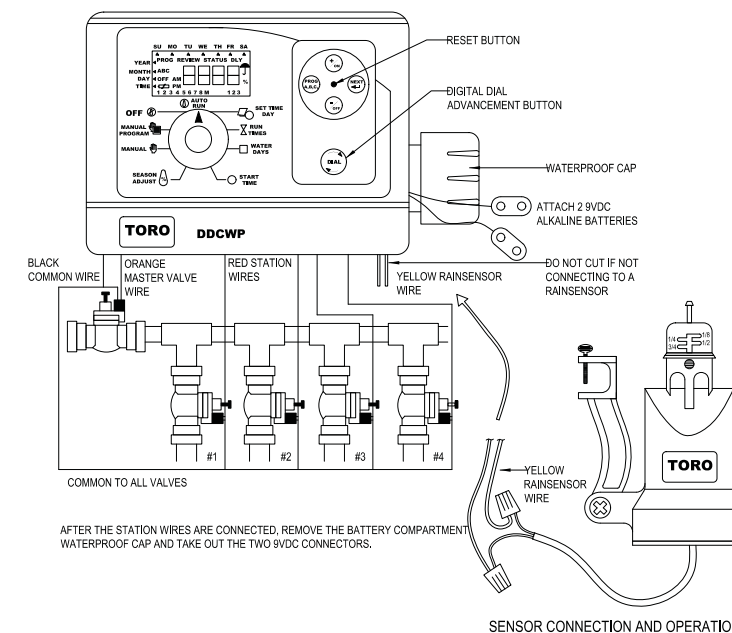
NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

**VALVE BOX 6"**



- ① 30-INCH LINEAR LENGTH OF WIRE, COILED
- ② WATERPROOF CONNECTION
- ③ ID TAG: RAIN BIRD VID SERIES
- ④ REMOTE CONTROL VALVE: RAIN BIRD PEB
- ⑤ VALVE BOX WITH COVER
- ⑥ FINISH GRADE/TOP OF MULCH
- ⑦ PVC SCH 80 NIPPLE (CLOSE)
- ⑧ PVC SCH 40 ELL
- ⑨ PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- ⑩ PVC MAINLINE PIPE
- ⑪ SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
- ⑫ PVC SCH 40 TEE OR ELL
- ⑬ PVC SCH 40 MALE ADAPTER
- ⑭ PVC LATERAL PIPE

**ELECTRIC REMOTE CONTROL VALVE**



NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. DO NOT SCALE DRAWINGS.  
3. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADetails.com/info](http://www.CADetails.com/info) REFERENCE NUMBER 065-315.

**DDCWP TORO CONTROLLER**

INSTALLATION DETAIL

FILE NAME = ...3025\_Irrigation\_Details.dgn

USER NAME = jet	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
IRRIGATION DETAILS**

SHEET 1 OF 1 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	110
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

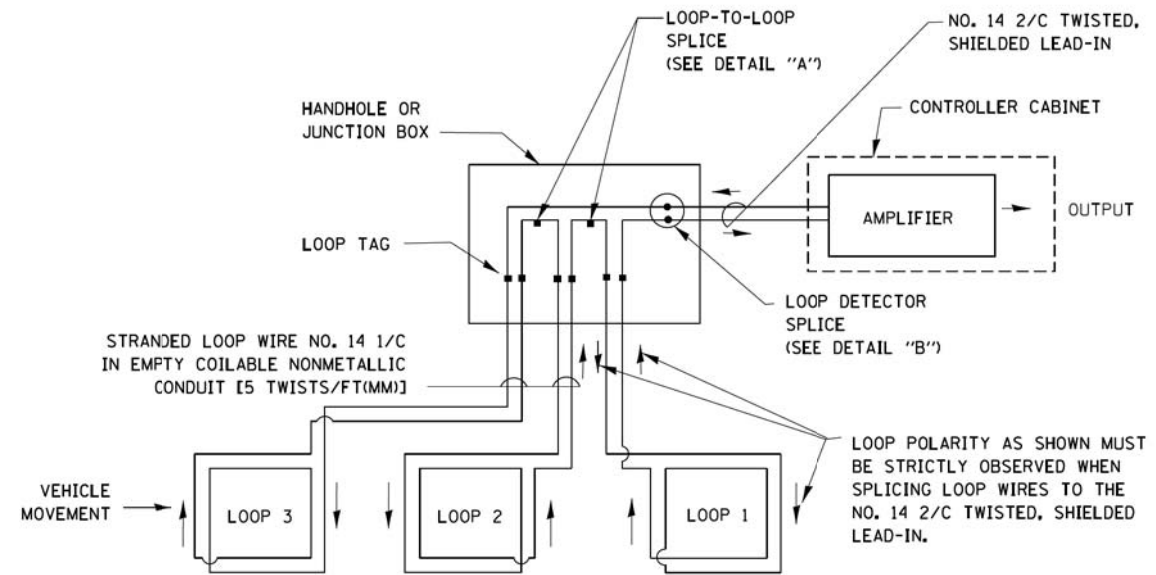
# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

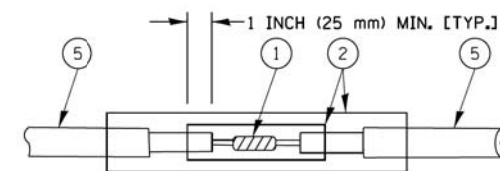
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

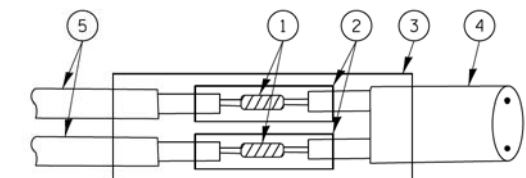


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



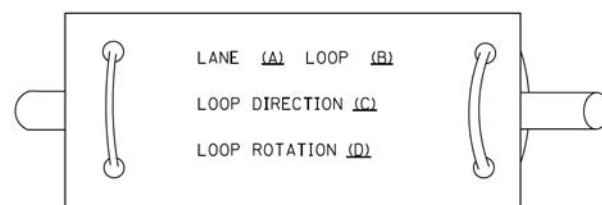
DETAIL "A"  
LOOP-TO-LOOP SPLICE



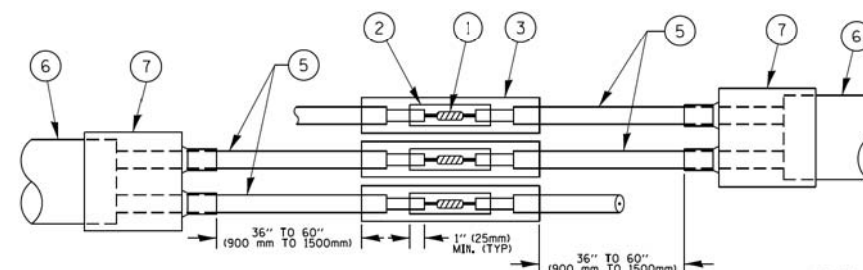
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**

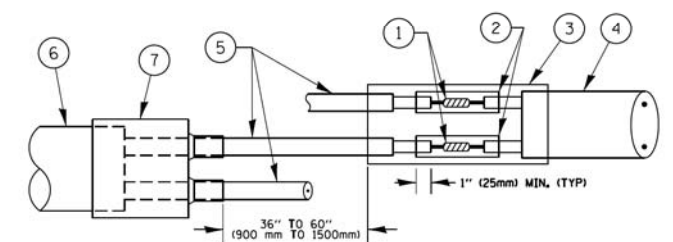
**LOOP LEAD-IN CABLE TAG**



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

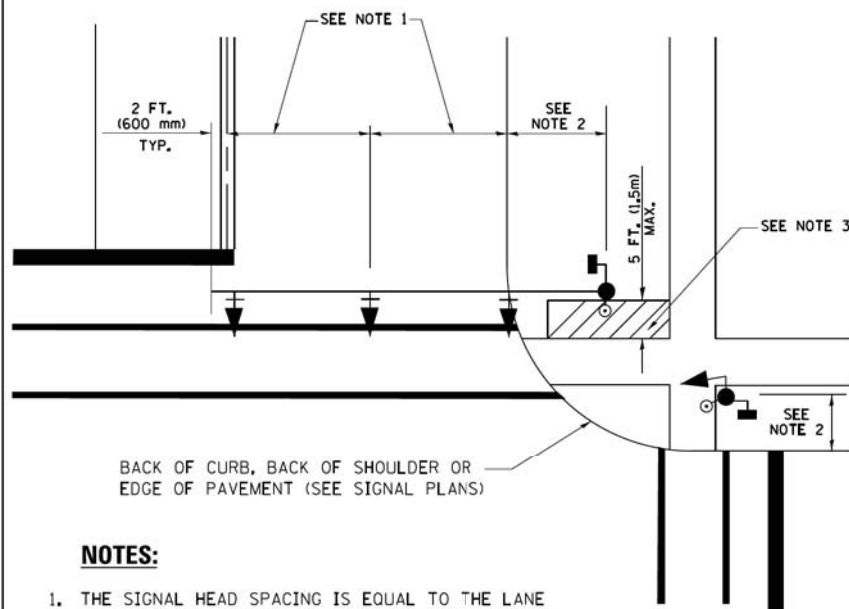
**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO-CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\d01\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	3073	14-00114-02-PV	COOK	246	112
		CHECKED - DAD	REVISED -					<b>TS-05</b>		CONTRACT NO. 61F10			
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

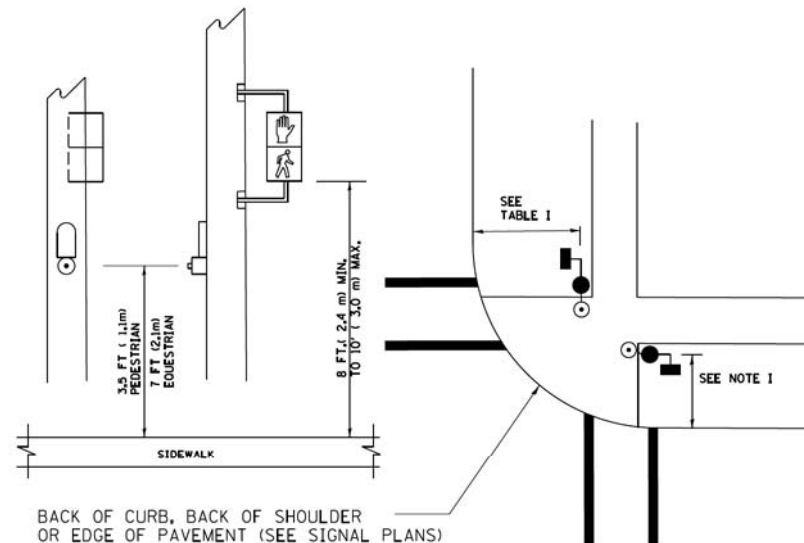
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

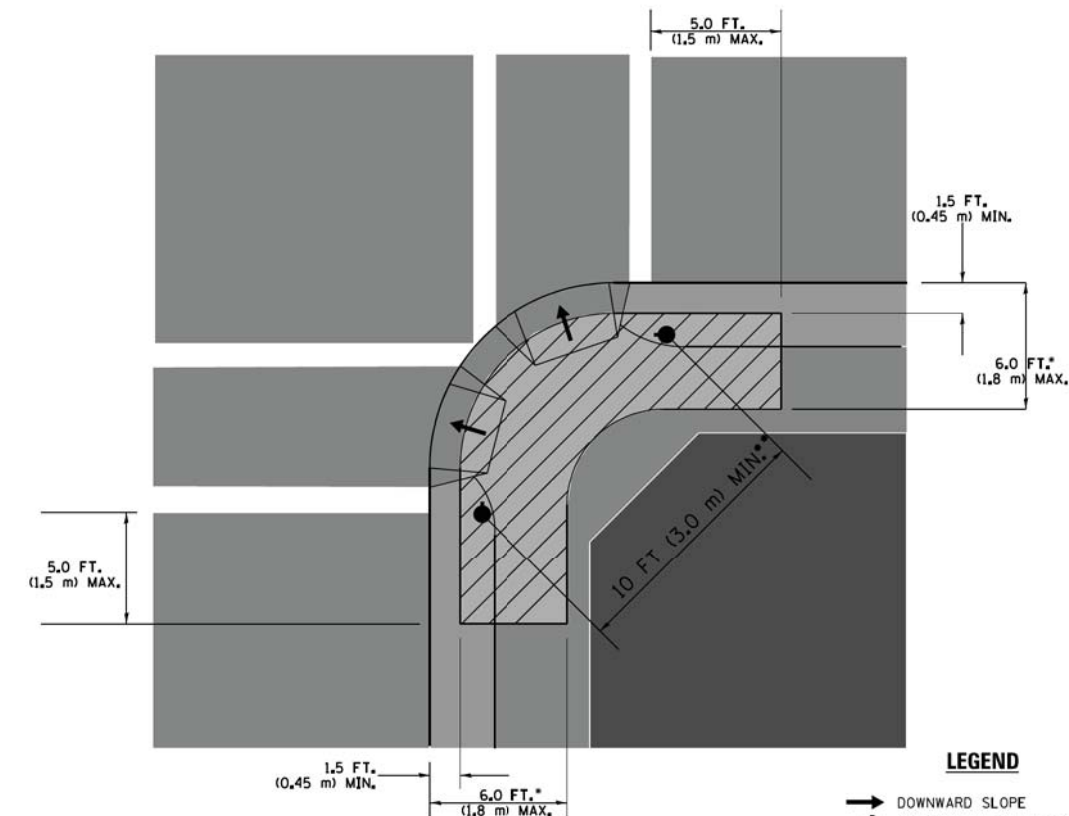
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

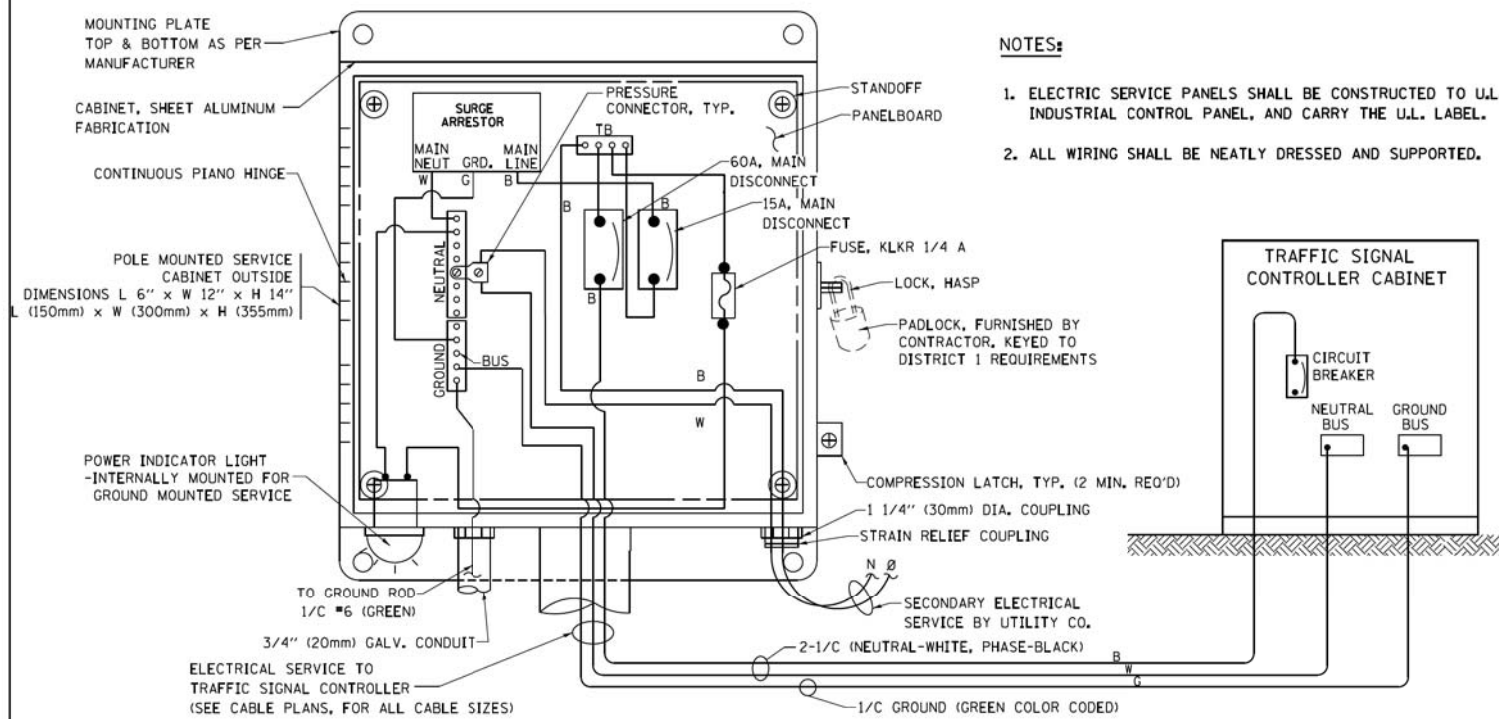
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

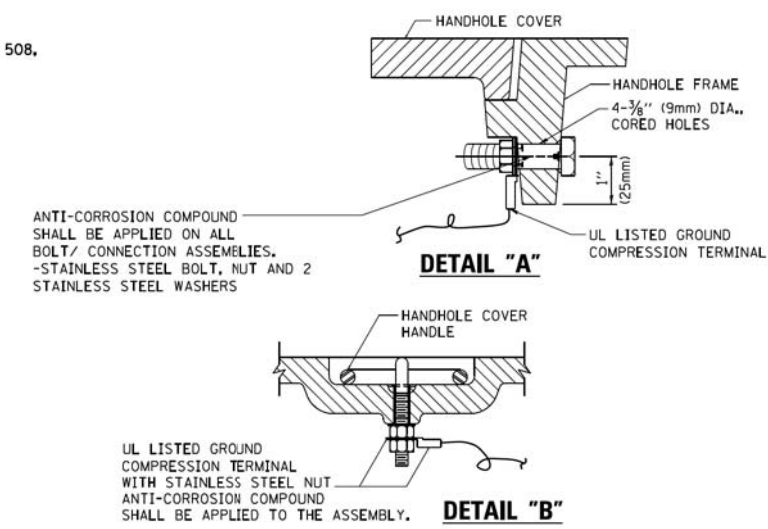
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

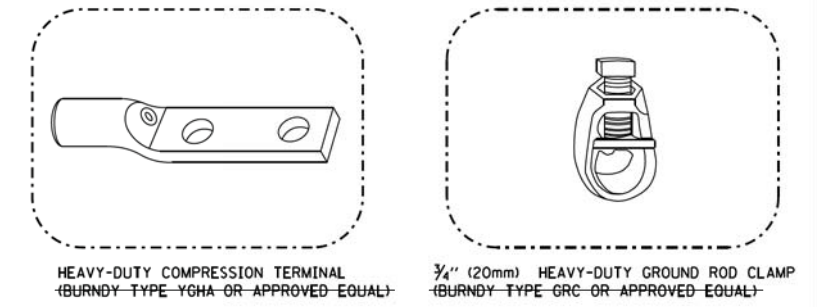
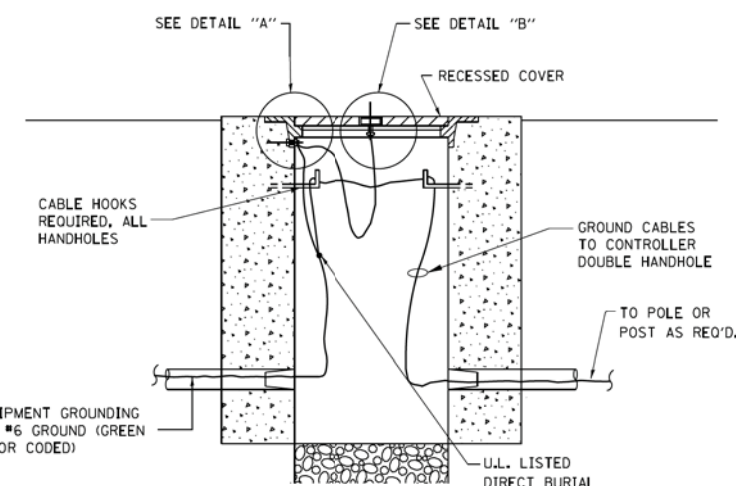


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)  
SERVICE INSTALLATION POLE MOUNT (SHOWN)  
(NOT TO SCALE)**

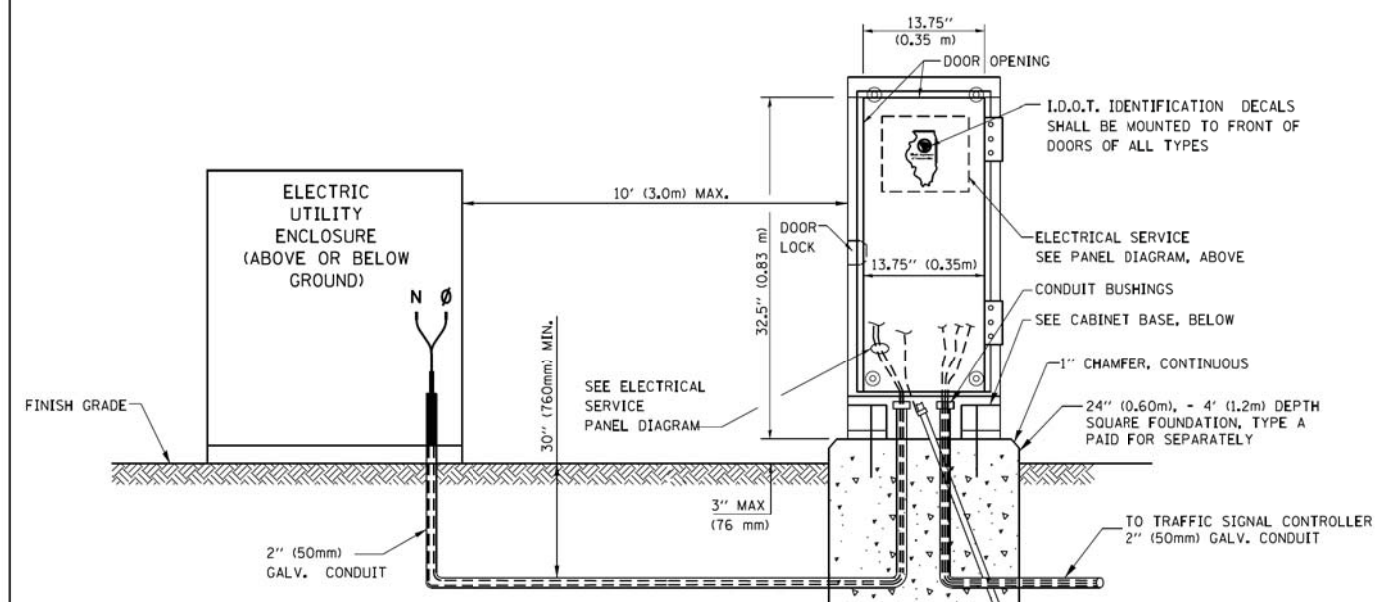
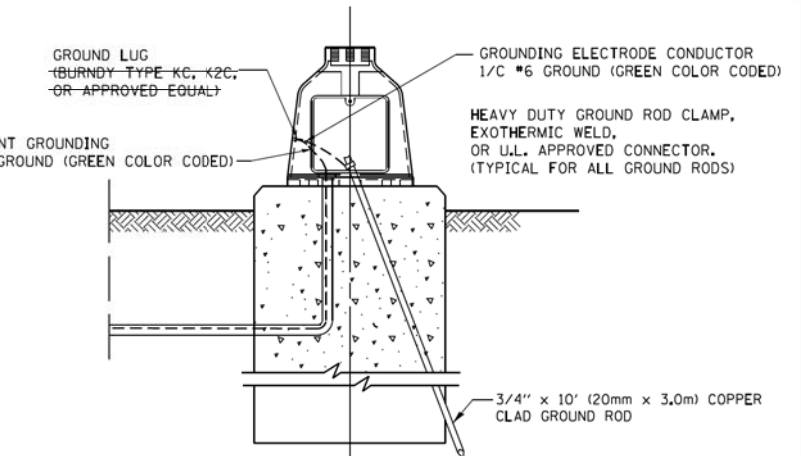
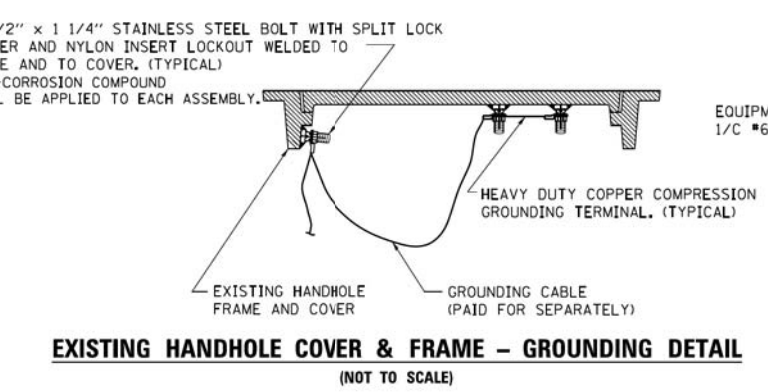


**NOTES:  
GROUNDING SYSTEM**

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

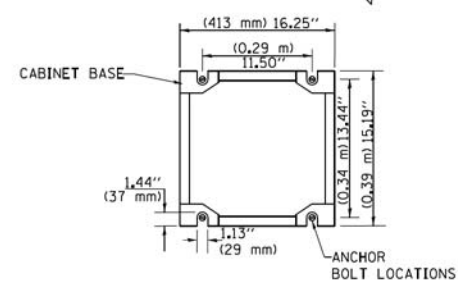


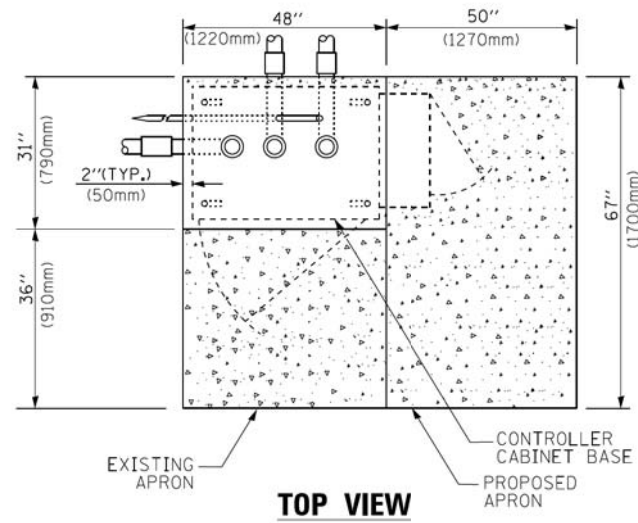
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



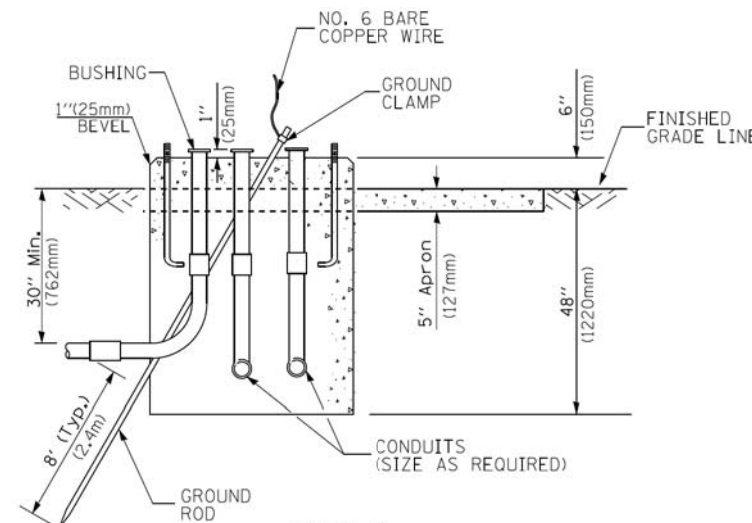
**SERVICE INSTALLATION GROUND MOUNT  
(NOT TO SCALE)**

**CABINET - BASE BOLT PATTERN  
(NOT TO SCALE)**

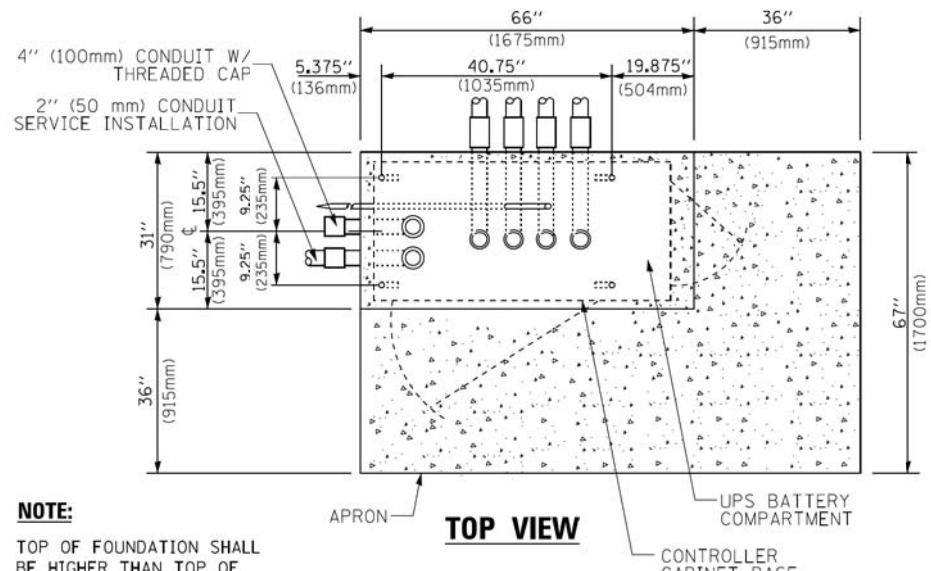




**TOP VIEW**

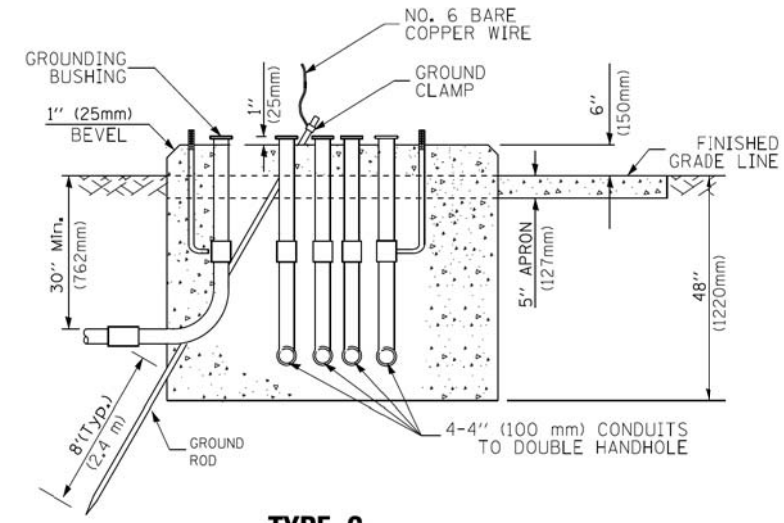


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

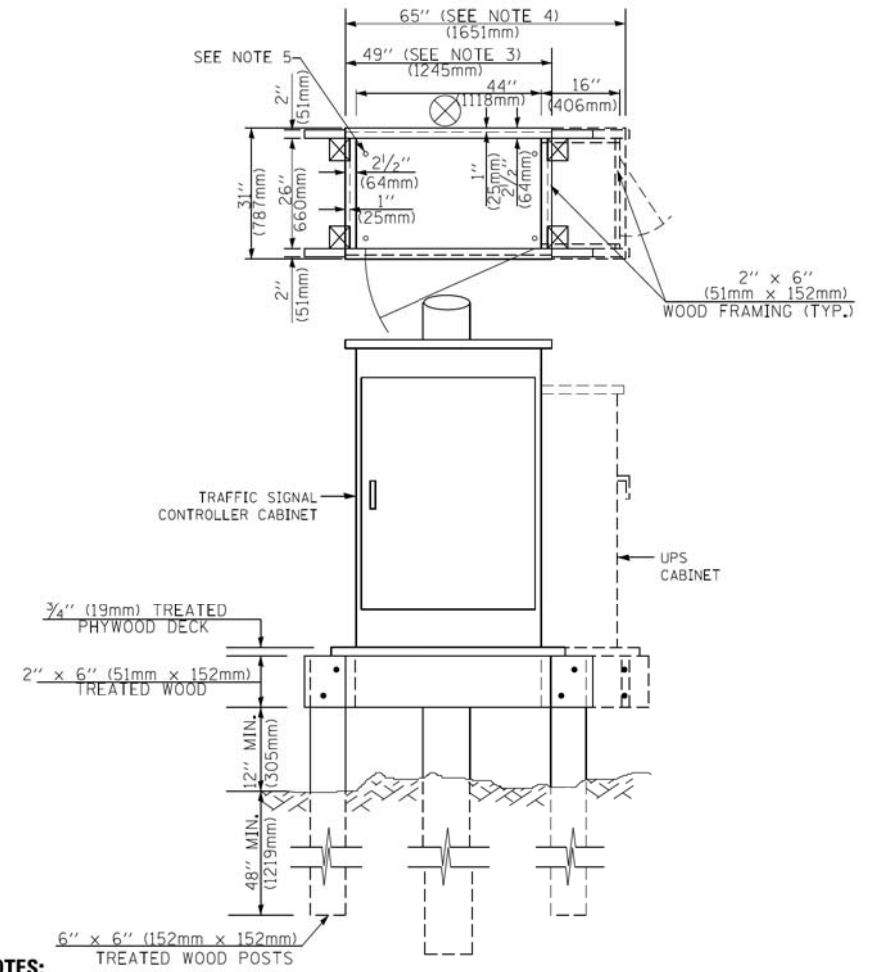


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL  
BE HIGHER THAN TOP OF  
DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

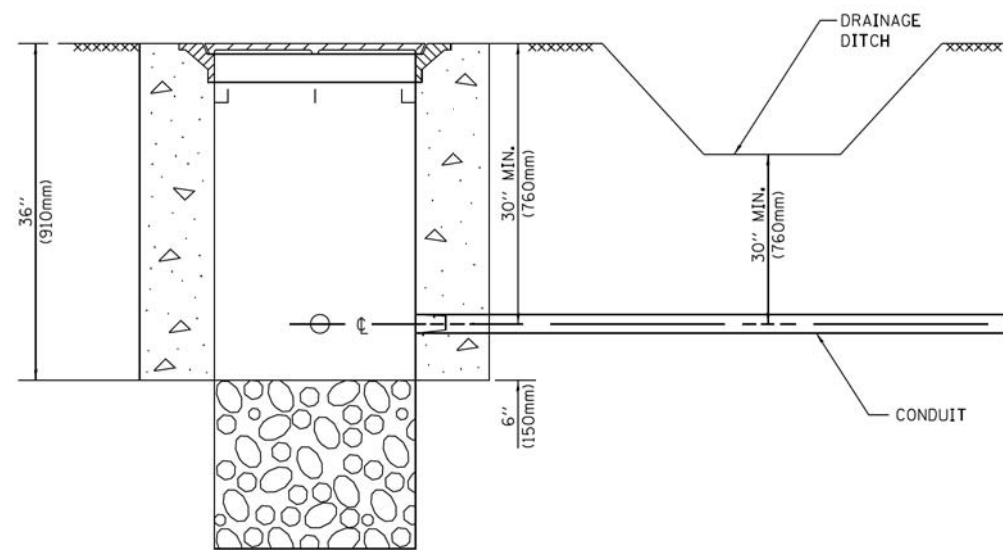
**DEPTH OF FOUNDATION**

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

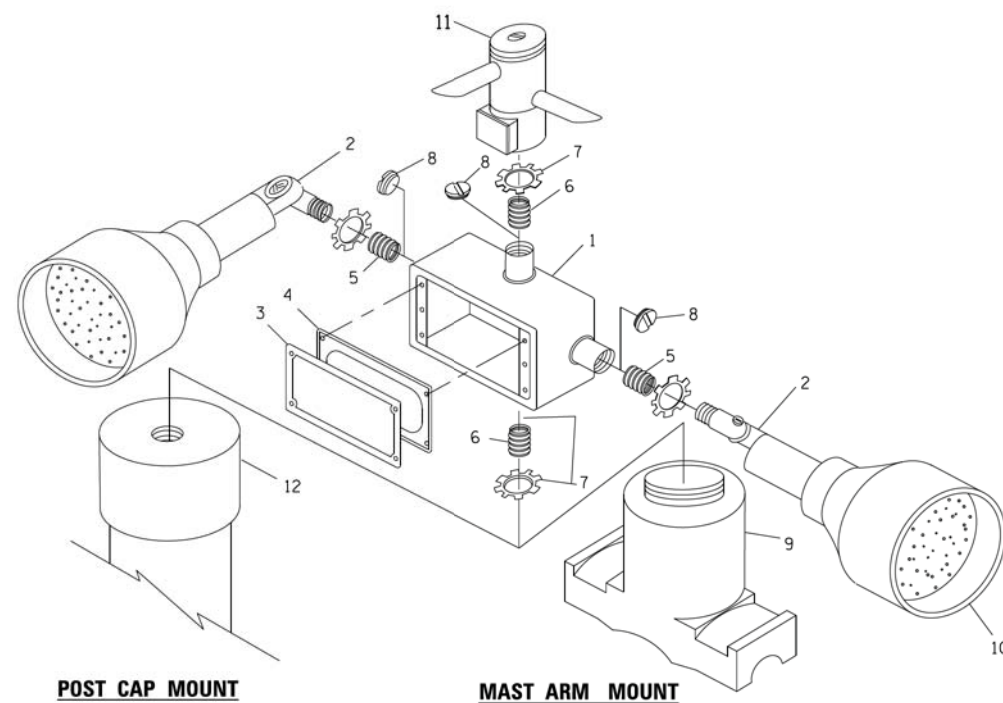
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



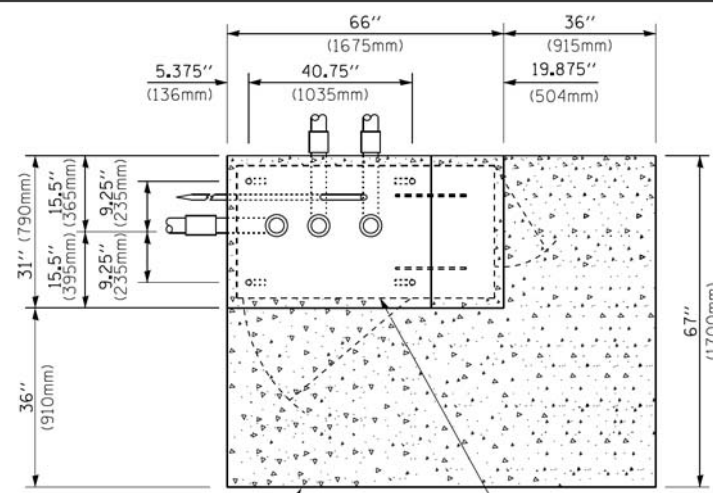
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

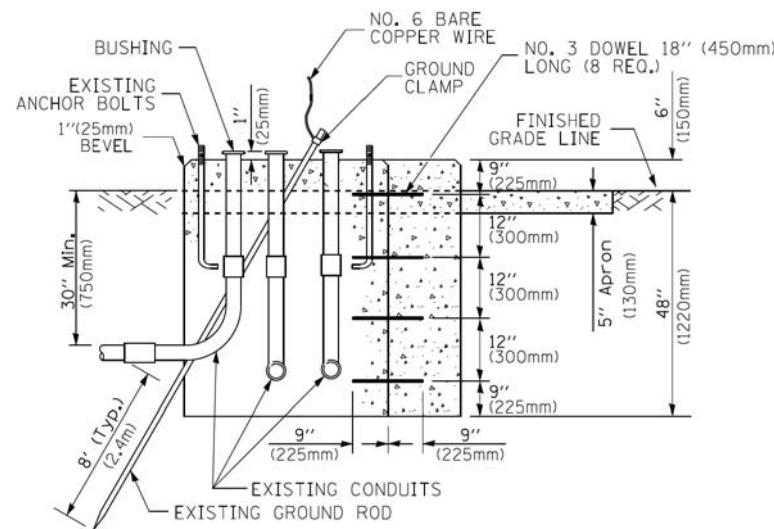
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

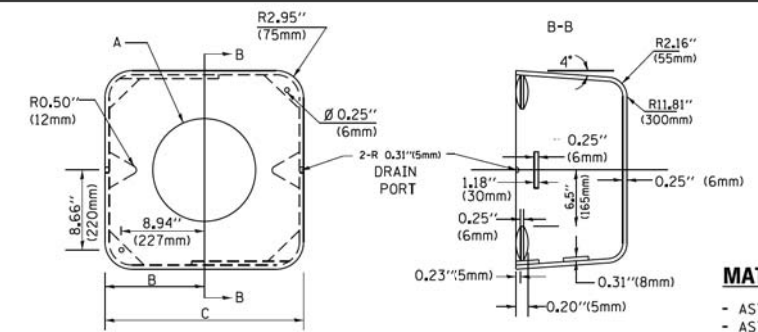


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

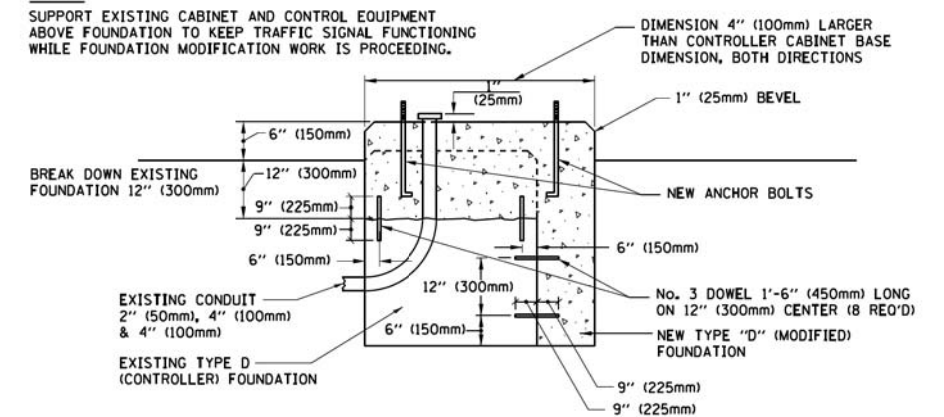
**SHROUD**

**NOTES:**

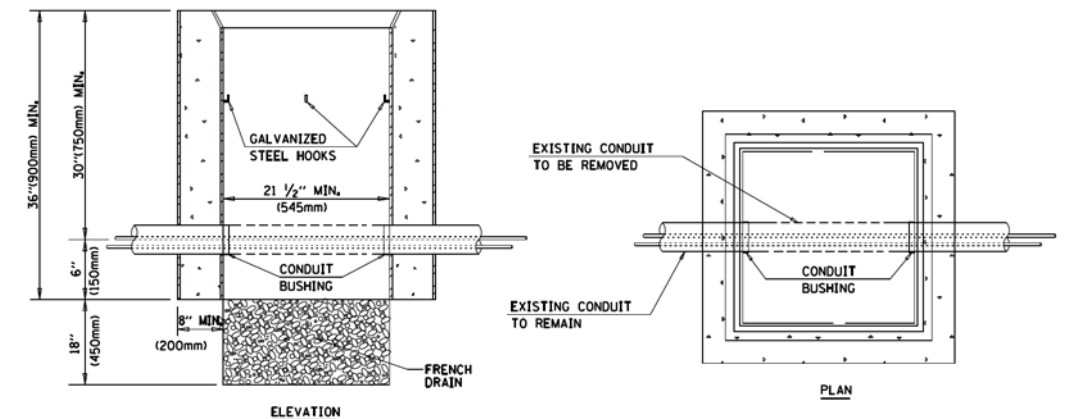
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pw_work\pwwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 / 1 in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

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

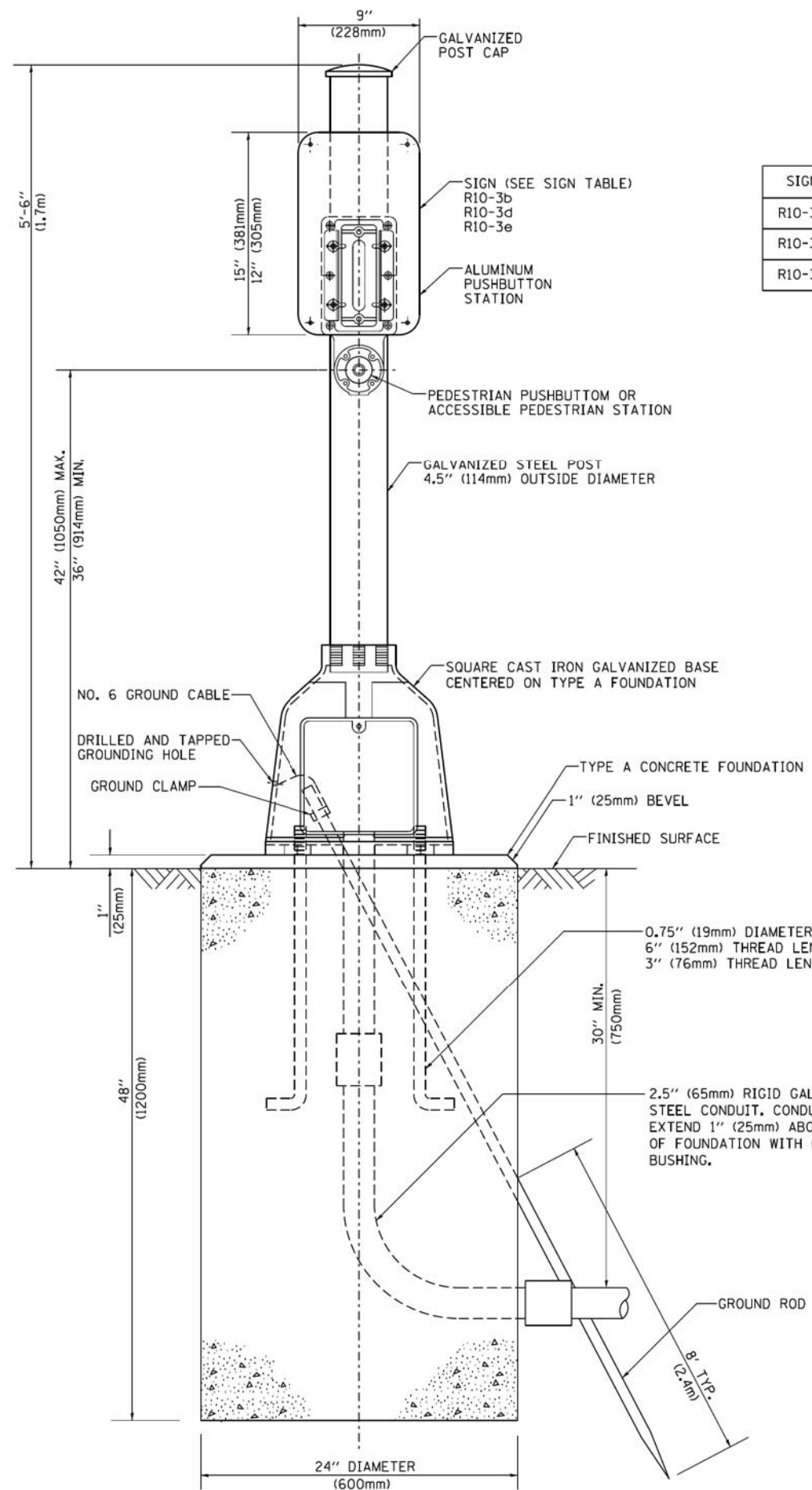
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE

SHEET NO. 6 OF 7 SHEETS STA. TO STA.

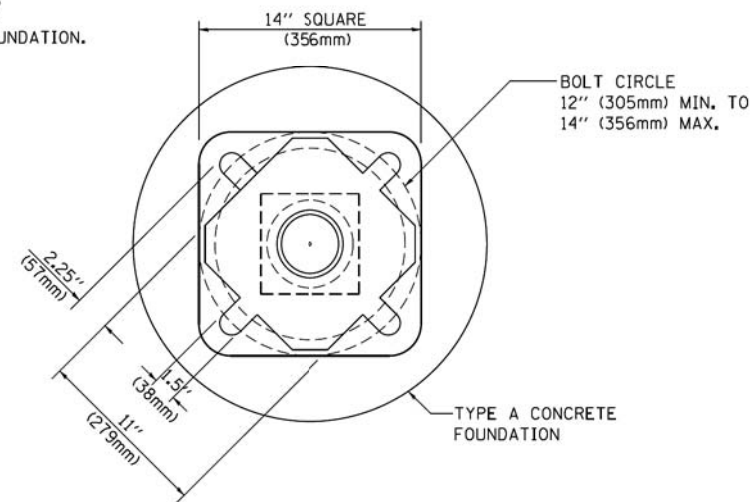
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	116
TS-05		CONTRACT NO.	61F10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
ct:\pw\work\p\sidot\footemj\d0108315\ts05.dgn		DRAWN - GND	REVISED -
	PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

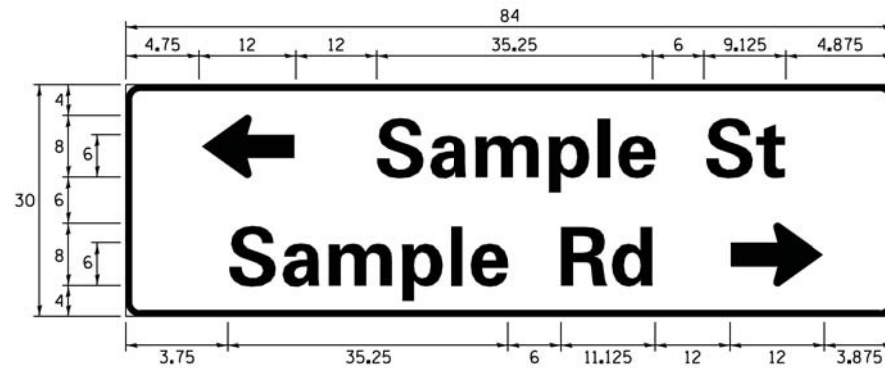
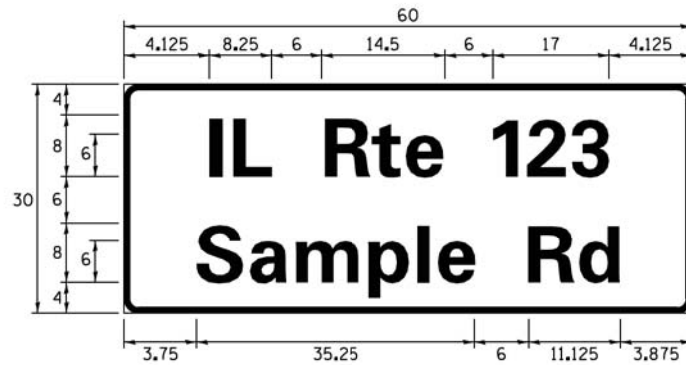
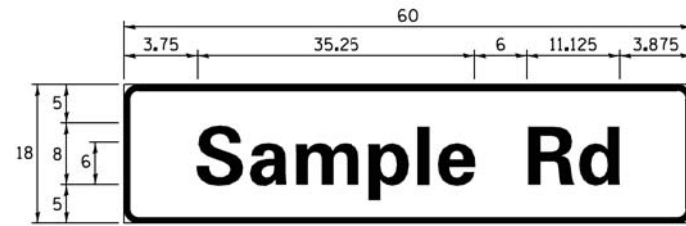
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 7 OF 7 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	117
<b>TS-05</b>			<b>CONTRACT NO. 61F10</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**SIGN PANEL – TYPE 1 OR TYPE 2**



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

**COMMON STREET NAME ABBREVIATIONS AND WIDTHS**

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

**GENERAL NOTES**

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

**LOCAL SUPPLIERS:**

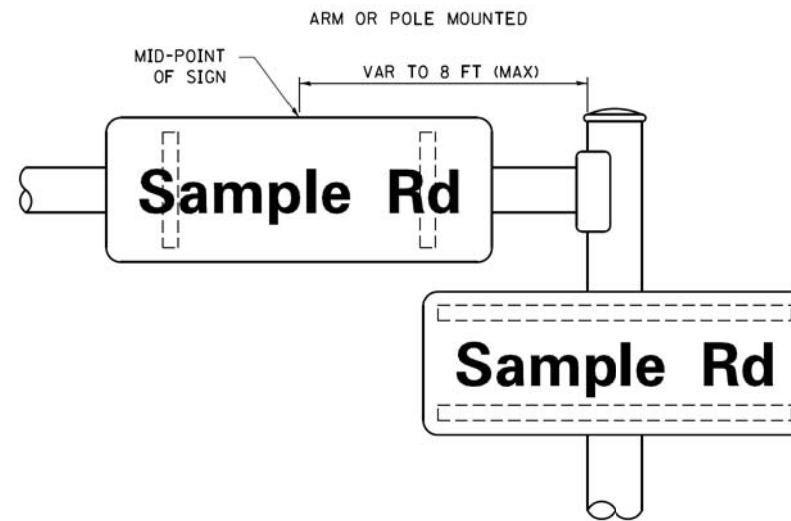
- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA
- WESTERN REMAC, INC.  
WOODRIDGE, IL

**PARTS LISTING:**

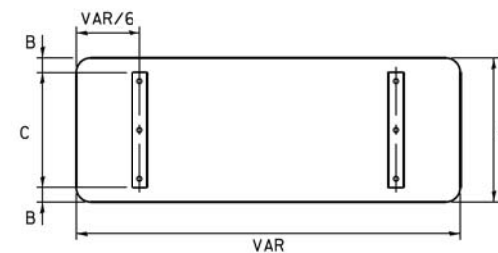
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING PART #HPN034 (UNIVERSAL)

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

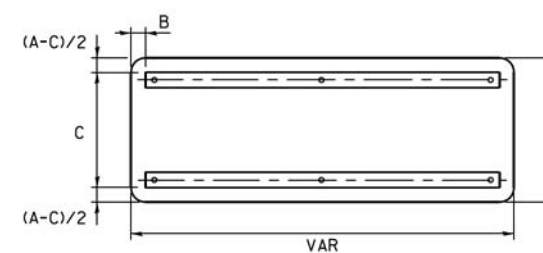
**MOUNTING LOCATION**



**SUPPORTING CHANNELS**



A	B	C
18"	2"	14"
30"	2"	24"

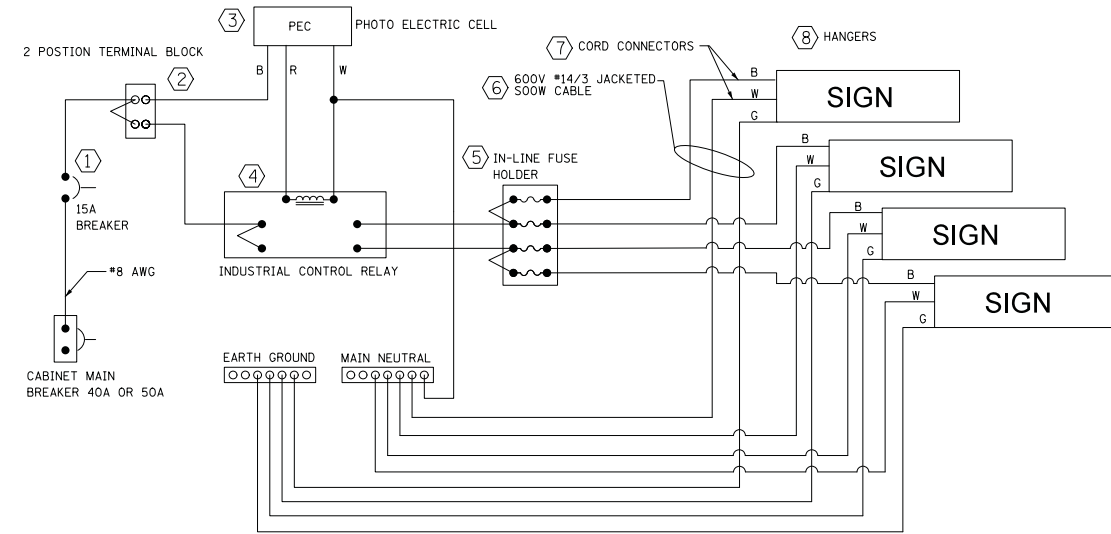


A	B	C
18"	2"	12"
30"	2"	22"

**STANDARD ALPHABETS SPACING CHART**

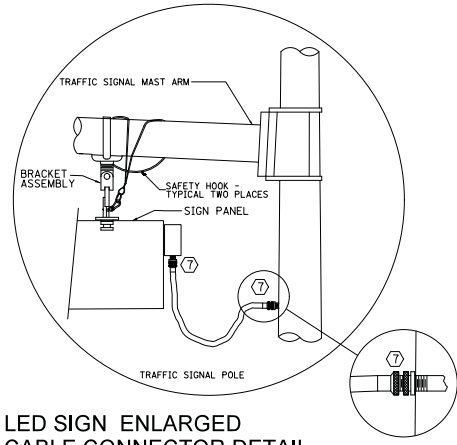
( 8" ) UPPER CASE AND ( 6" ) LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )	CHARACTER	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240



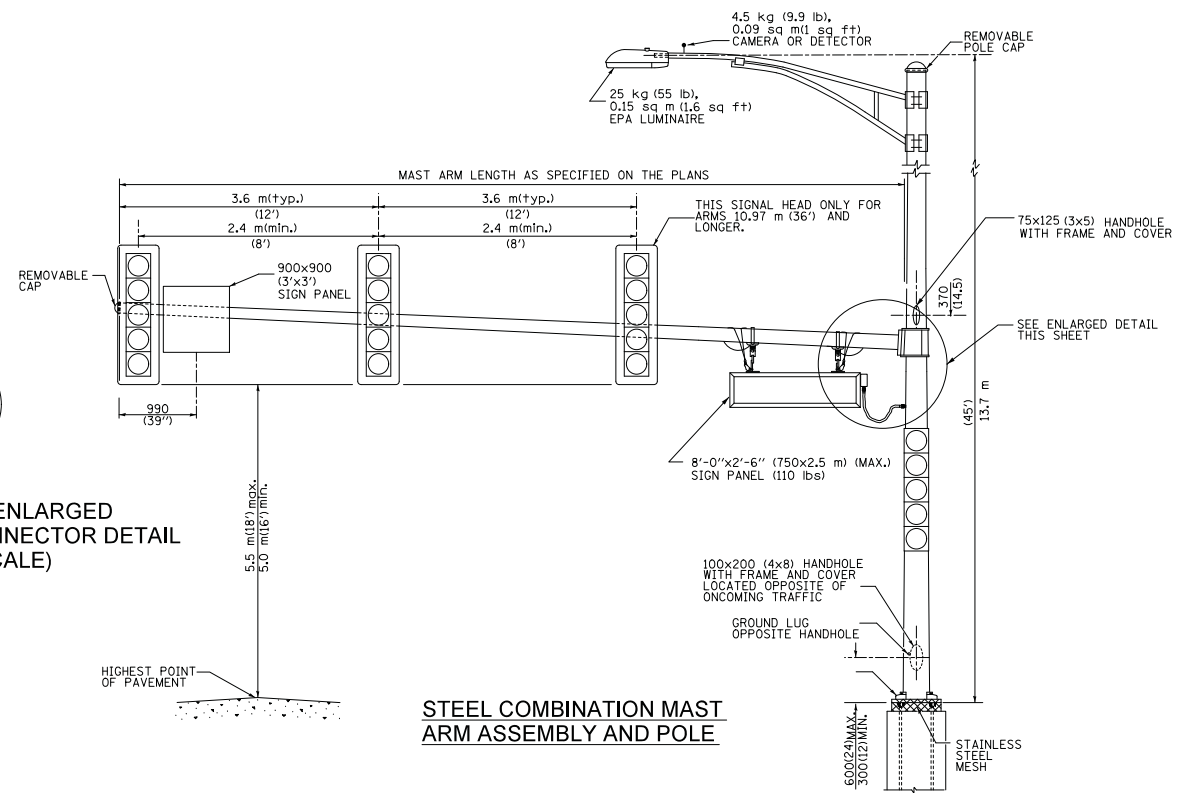
**LED SIGN WIRING DETAIL**

DESCRIPTION	NOTES
1. CIRCUIT BREAKER	
2. TERMINAL BLOCK	
3. PHOTO ELECTRIC CONTROL	
4. CONTRACTOR (INDUSTRIAL CONTROL RELAY)	BOLT ON W/SCREW TERMINAL
5. IN-LINE FUSE HOLDER WITH 5 AMP FUSE	
6. ELECTRIC CABLE, No. 14, 3/C (BLACK, WHITE, GREEN)	
7. CORD/CABLE CONNECTOR	
8. SIGN MOUNTING HARDWARE	

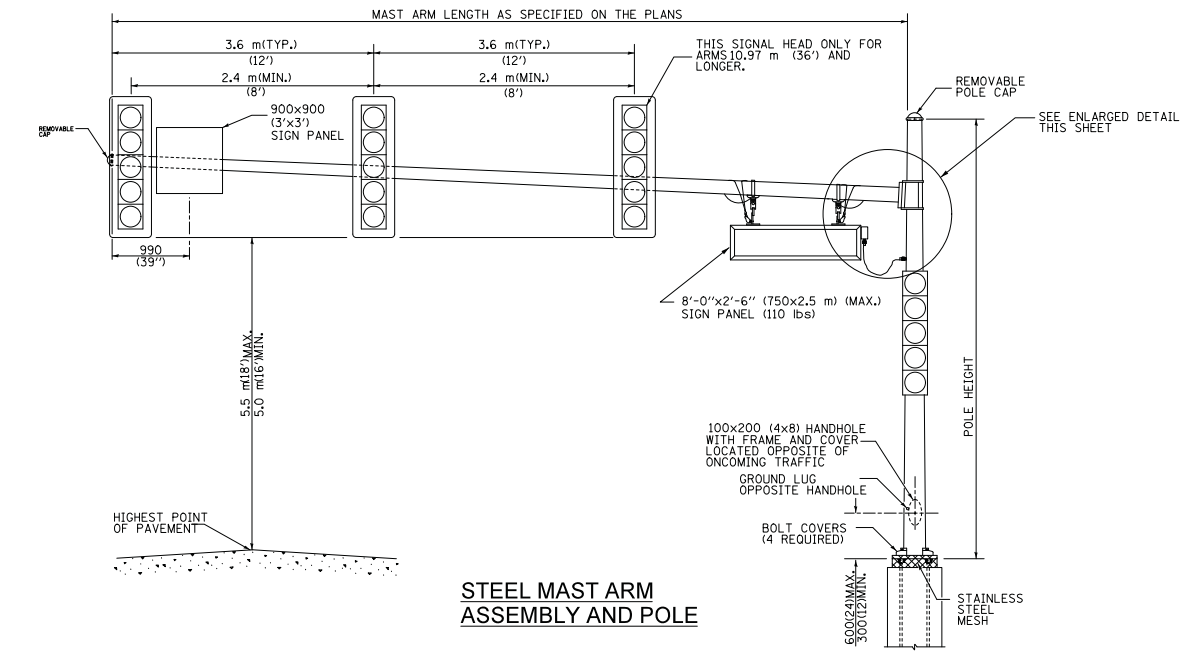


LED SIGN ENLARGED CABLE CONNECTOR DETAIL (NOT TO SCALE)

LED SIGN ENLARGED CABLE CONNECTOR DETAIL (NOT TO SCALE)



STEEL COMBINATION MAST ARM ASSEMBLY AND POLE



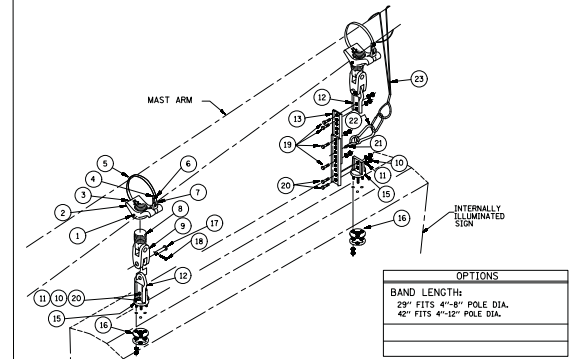
STEEL MAST ARM ASSEMBLY AND POLE

GENERAL NOTE:

- SIGNAL HEADS, SIGN PANELS, AND OTHER ATTACHMENT ARE SHOWN FOR MINIMUM DESIGN LOADING PURPOSES ONLY. EACH SIGNAL HEAD SHALL WEIGH 36 Kg (80 lb) AND HAVE A PROJECTED AREA OF 1.37 sq. m (14.7 sq ft.).
- PHOTO ELECTRIC CELL IS TO BE MOUNTED ABOVE CABINET DOOR.
- THE SIGN SHALL BE LOCATED AS SHOWN ON STANDARD T20016.
- SIGN IS TO BE MOUNTED A MINIMUM OF 16' ABOVE PAVEMENT.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL 120 VOLT SYSTEM AND CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:  
R = RED      BL = BLUE      W = WHITE  
B = BLACK      Y = YELLOW      G = GREEN

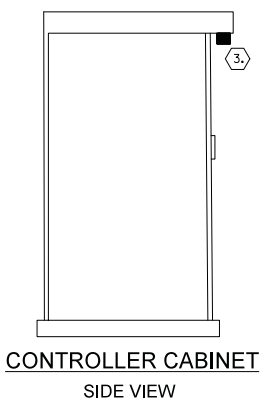
All dimensions are in millimeters (inches) unless otherwise shown.

TITLE: BRACKET, FREE-SWINGING MAST ARM SIGN W/BAND MOUNT MINI-BRAC



ITEM	DESCRIPTION	QTY
1	SCREW, SET SQ HD 1/4"-20 X 5/8", STAINLESS	2
2	CLAMP, MINI-BRAC BAND MOUNT, 1/2" NPS, ALUM	2
3	PIN, GROOVE 3/16" X 1 1/4", ZINCI	2
4	CLAMP, BAND 5/8", STAINLESS	2
5	BAND, 5/8", STAINLESS	2
6	SCREW, SET SOC HD 5/16"-18, STAINLESS	2
7	KIT, CLAMP SCREW FOR MINI-BRAC, GALV	2
8	ADAPTER, SPAN WIRE, DIE CAST ALUM W/ SS INSERT	2
9	CLEVIS-CLEVIS, 1/2" X 1/2", ALUM W/ STAINLESS BUSHINGS	2
10	NUT, HEX HD 5/16", STAINLESS	8
11	WASHER, SPLIT LOCK, 5/16", STAINLESS	8
12	EXTENDER CONNECTOR HANGER, ALUM W/ STAINLESS BUSHINGS	2
13	EXTENDER, 11"	2
15	HANGER, TRI-STUD, ALUM	2
16	HARDWARE KIT W/ GASKET, 5/16" - 18, STAINLESS	2
17	PIN, CLEVIS, 5/8" X 2 1/4" EL, GALV	4
18	PIN, COTTER HUMPED, 5/32" X 1.775" 304 STAINLESS	4
19	BOLT, HEX HD, 5/16" - 18 X 1", STAINLESS	4
20	BOLT, HEX HD, 5/16" - 18 X 1 1/4", STAINLESS	4
21	EYE HOOK, STAINLESS STEEL (RATED FOR APPROPRIATE LOAD)	2
22	CARABINER HOOK, STAINLESS STEEL, (RATED FOR APPROPRIATE LOAD)	2
23	CABLE, SAFETY, FOR SIGN HANGERS, STAINLESS	2
	SLEEVE, COMPRESSION, OVAL, STAINLESS	4
	WIRE ROPE, 3/16" X 7 X 19, AIRCRAFT, TYPE 304 STAINLESS	2
	CONNECTOR, THREADED, 3/16" X 1-1/2", STAINLESS	2
	INSTRUCTIONS, SAFETY CABLE FOR SIGN HANGERS	2

LED SIGN BRACKET DETAIL



CONTROLLER CABINET SIDE VIEW

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

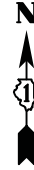
WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
COOK COUNTY LED STREET NAME SIGN DETAIL

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	119
CONTRACT NO. 61F10				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

FILE NAME = ...093\_3025.COOK COUNTY ILL SNS-dgr



**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 8 EACH PEDESTRIAN PUSH BUTTON
- 16 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH MASTER CONTROLLER

THE FOLLOWING ITEMS SHALL BE REMOVED FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL INSTALLATION. ANY EQUIPMENT THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW EQUIPMENT AT NO ADDITIONAL COST TO THE CONTRACT.

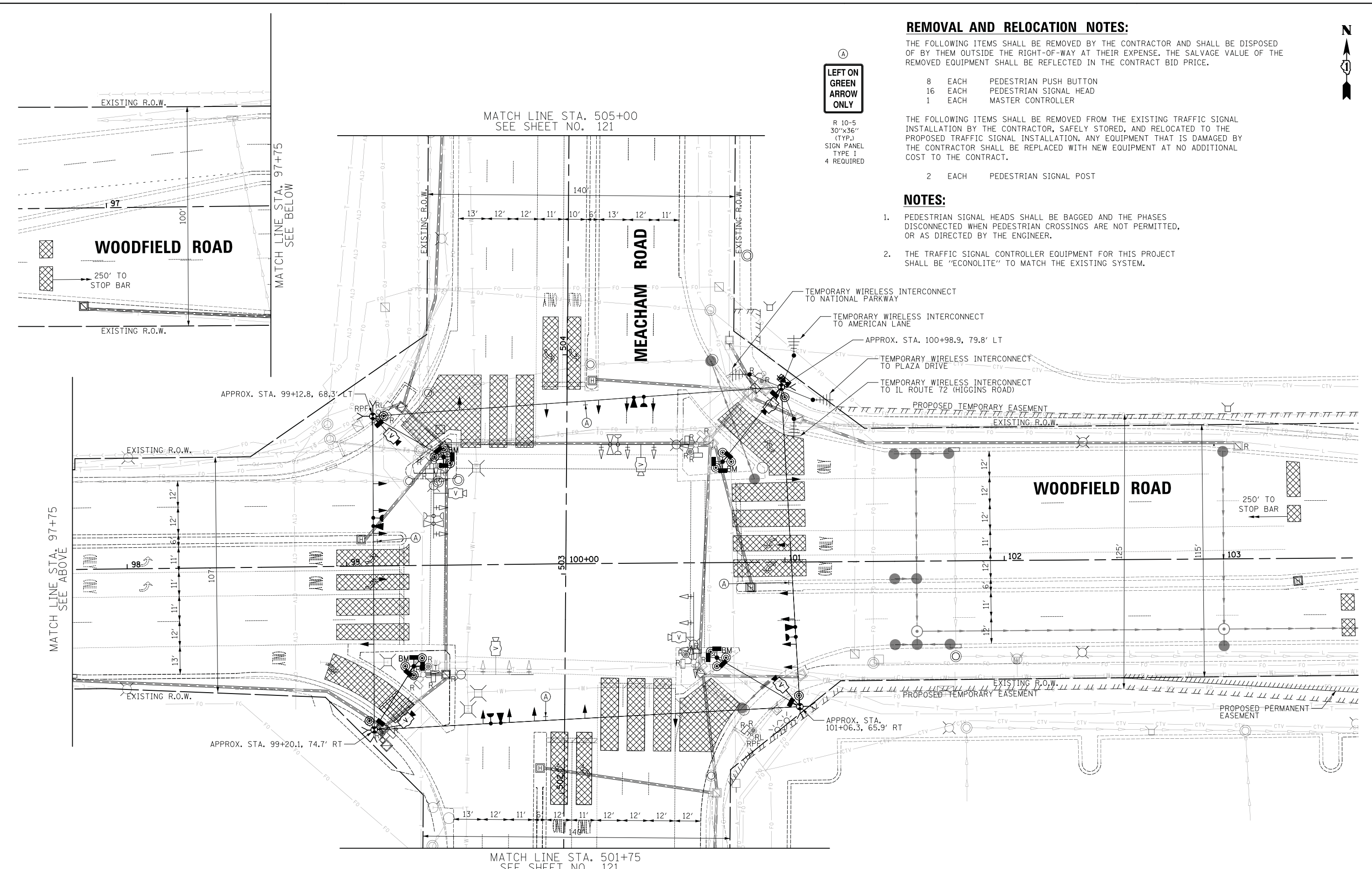
- 2 EACH PEDESTRIAN SIGNAL POST

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

**(A)**  
LEFT ON GREEN  
ARROW  
ONLY

R 10-5  
30"x36"  
(TYP.)  
SIGN PANEL  
TYPE I  
4 REQUIRED



MATCH LINE STA. 505+00  
SEE SHEET NO. 121

MATCH LINE STA. 97+75  
SEE BELOW

MATCH LINE STA. 97+75  
SEE ABOVE

MATCH LINE STA. 501+75  
SEE SHEET NO. 121

FILE NAME = ...\\04.Temporary Traffic Signal Installation and Removal Plan.Woodfield Rd at Meacham Rd Sht. 1 of 2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
WOODFIELD ROAD AND MEACHAM ROAD**

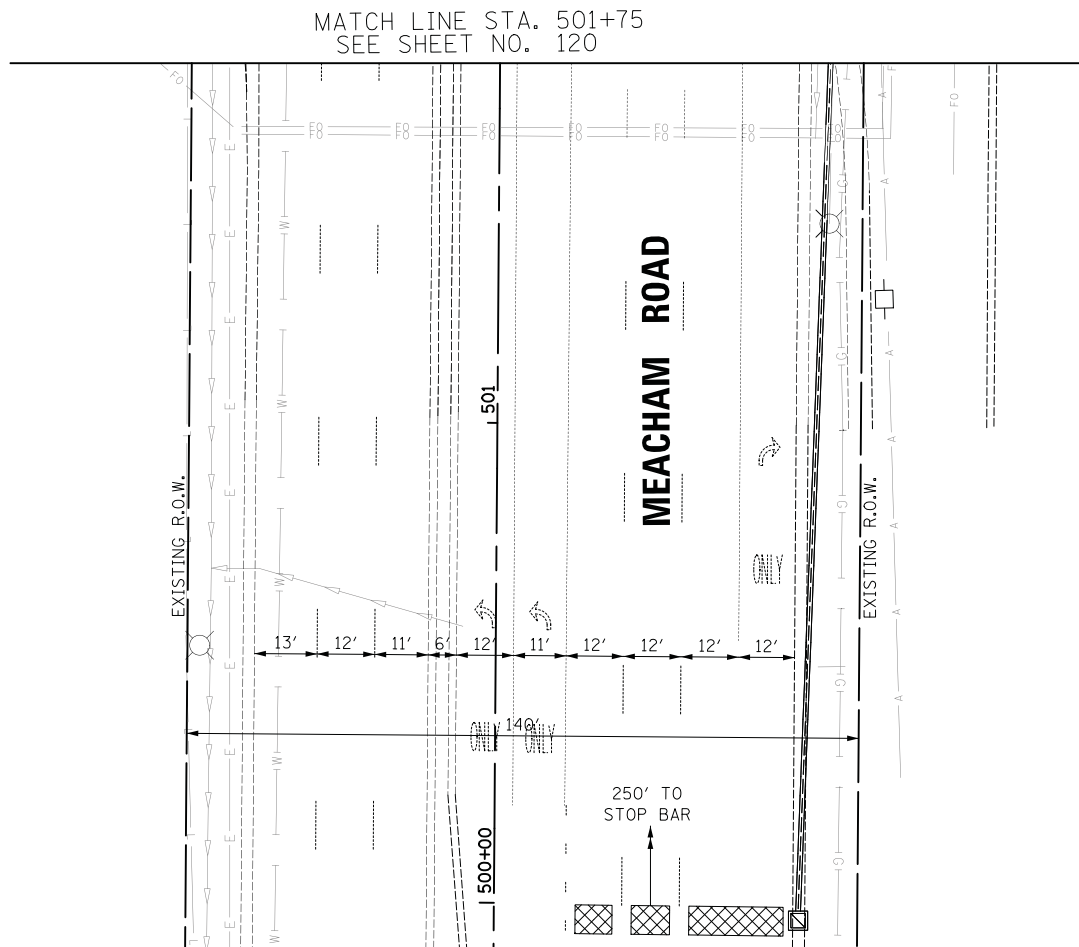
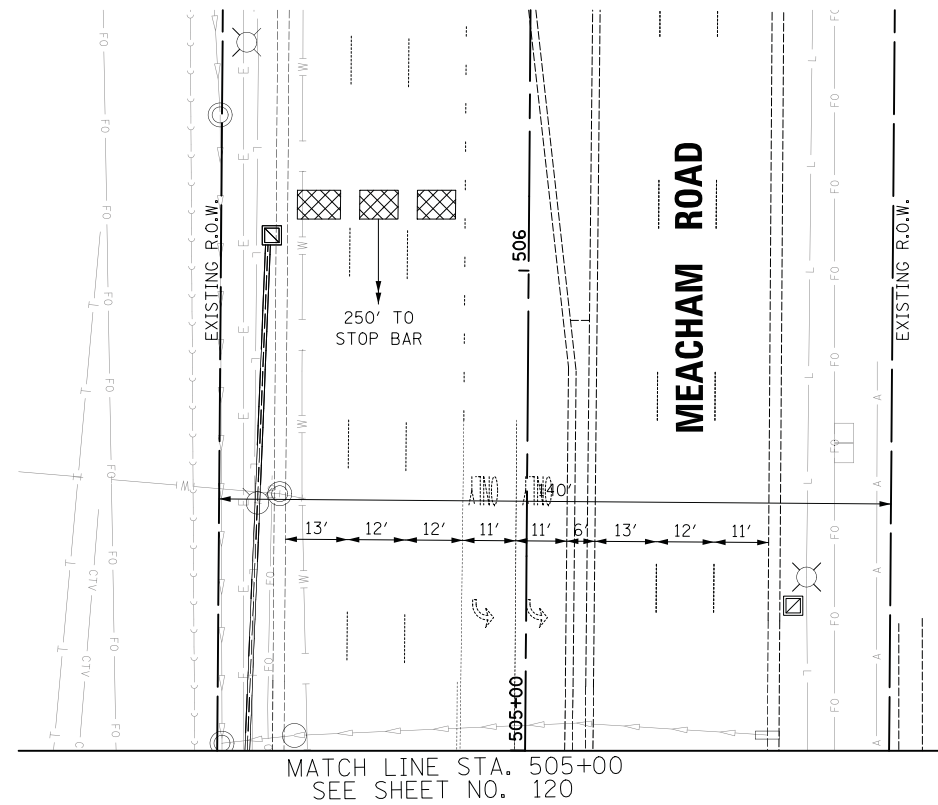
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	120
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...\\08.Temporary Traffic Signal Installation and Removal Plan.Woodfield Rd at Meacham Rd Sht 2 of 2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
DRAWN - OJT	CHECKED - JJE	REVISED -
PLOT SCALE = 20.0000' / in.	DATE - 2/1/2018	REVISED -
PLOT DATE = 2/4/2019		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN WOODFIELD ROAD AND MEACHAM ROAD</b>		
SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA. TO STA.

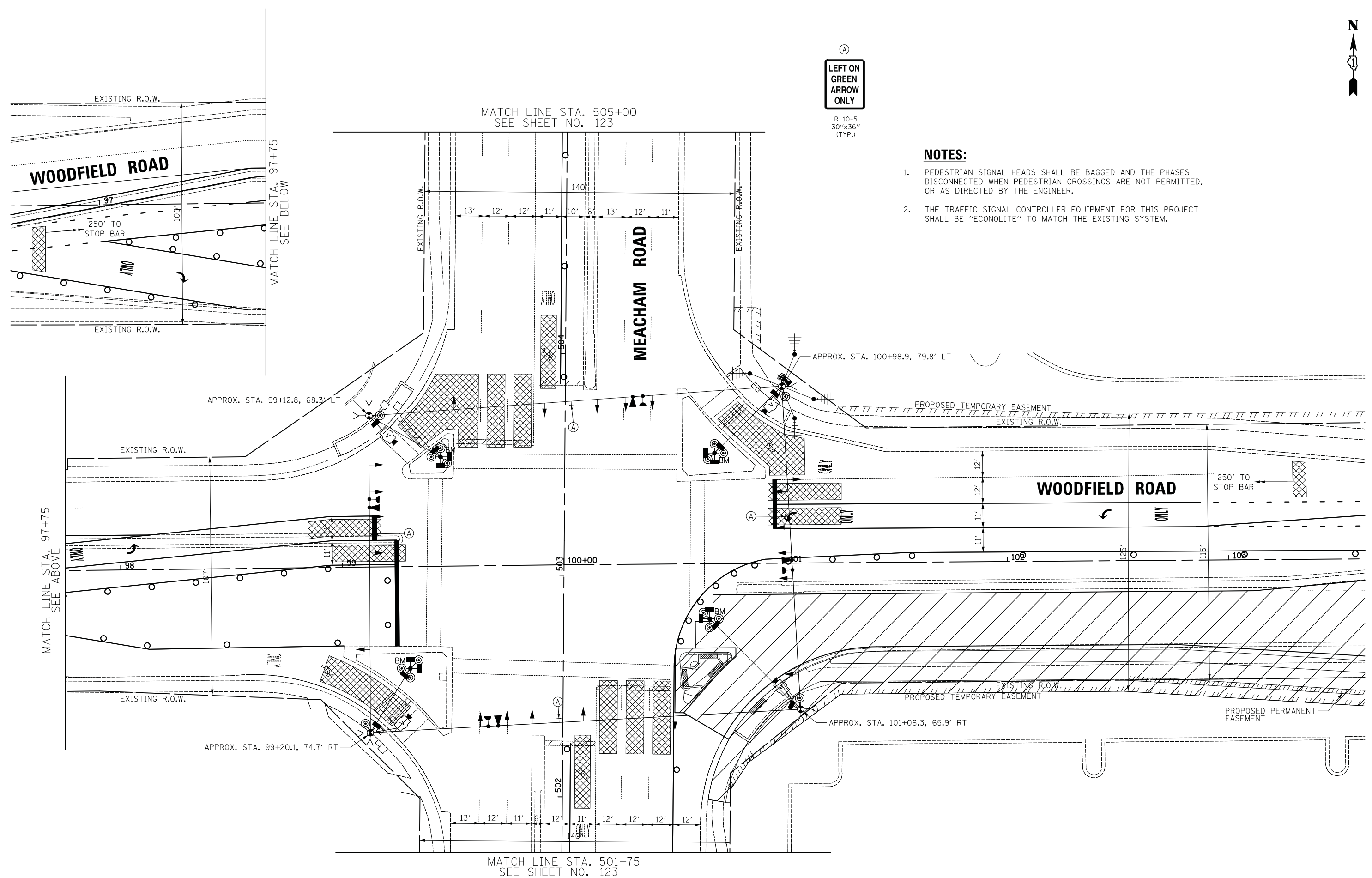
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	121
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



(A)  
**LEFT ON GREEN  
 ARROW ONLY**  
 R 10-5  
 30"x36"  
 (TYP.)

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...\\IA\_Temporary MDT 1.Woodfield Rd at Meacham Rd Sht. 1 of 2.dgn



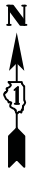
USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
 TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1  
 WOODFIELD ROAD AND MEACHAM ROAD**

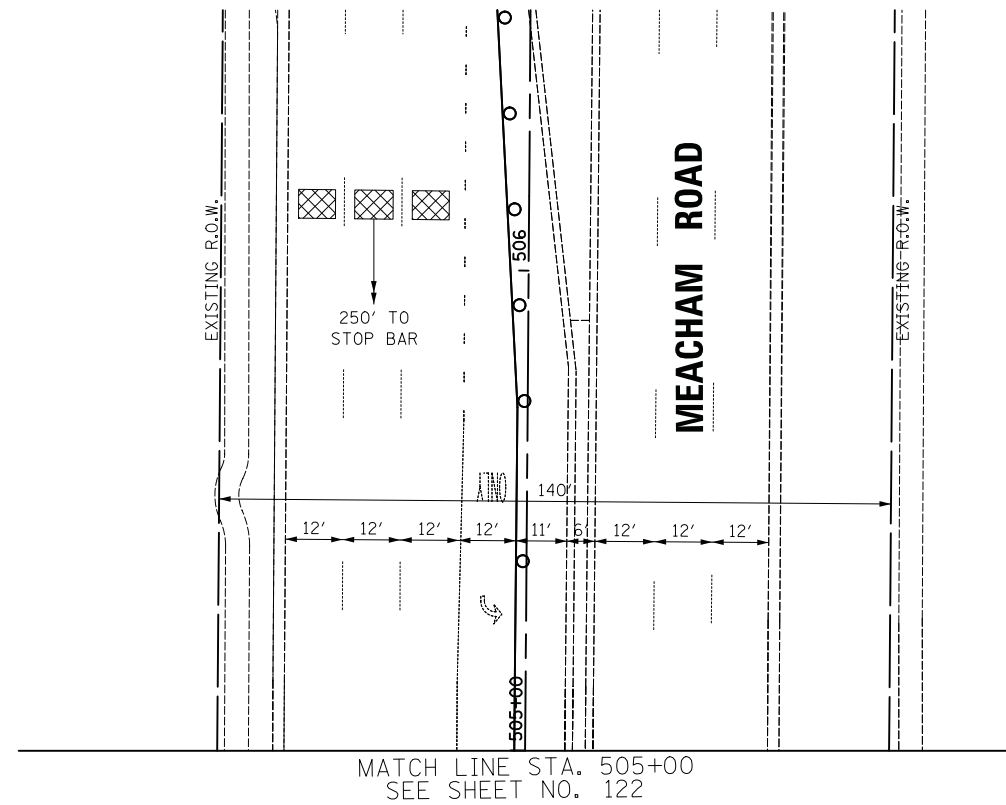
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	122
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F10	

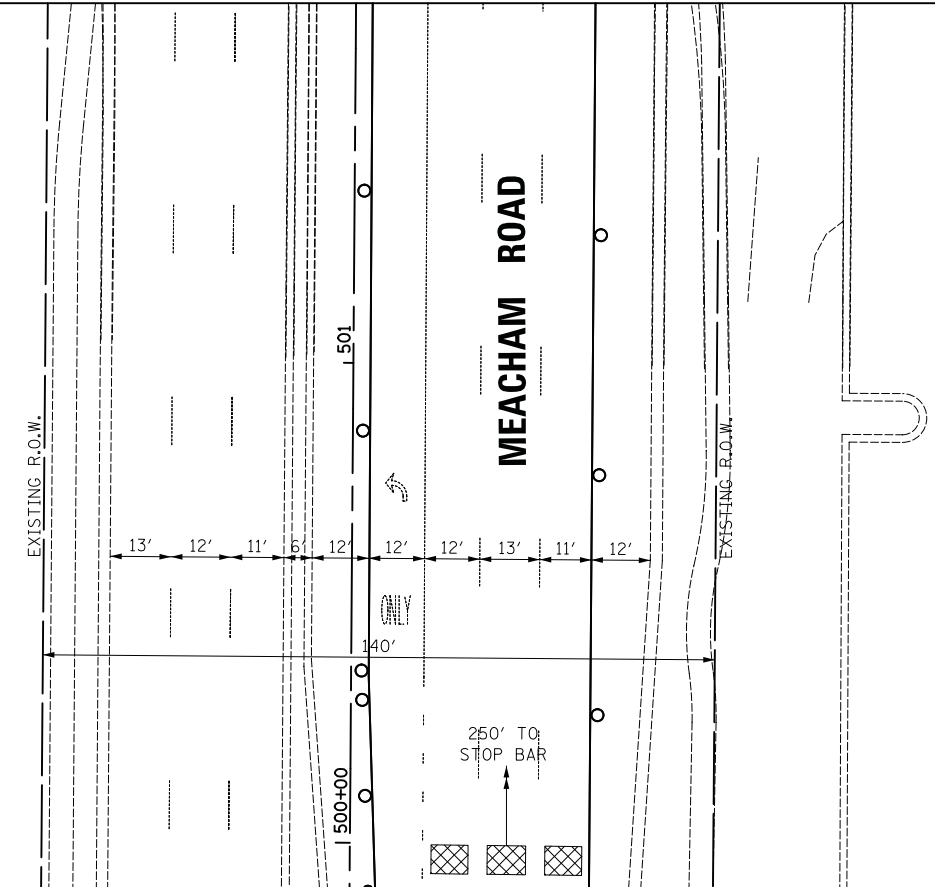


**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



MATCH LINE STA. 501+75  
SEE SHEET NO. 122



FILE NAME = ...\\IB.Temporary\MDT 1\Woodfield Rd at Meacham Rd Sht 2 of 2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
DRAWN - OJT	CHECKED - JJE	REVISED -
DATE - 2/1/2018		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1  
WOODFIELD ROAD AND MEACHAM ROAD

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	123
CONTRACT NO. 61F10				

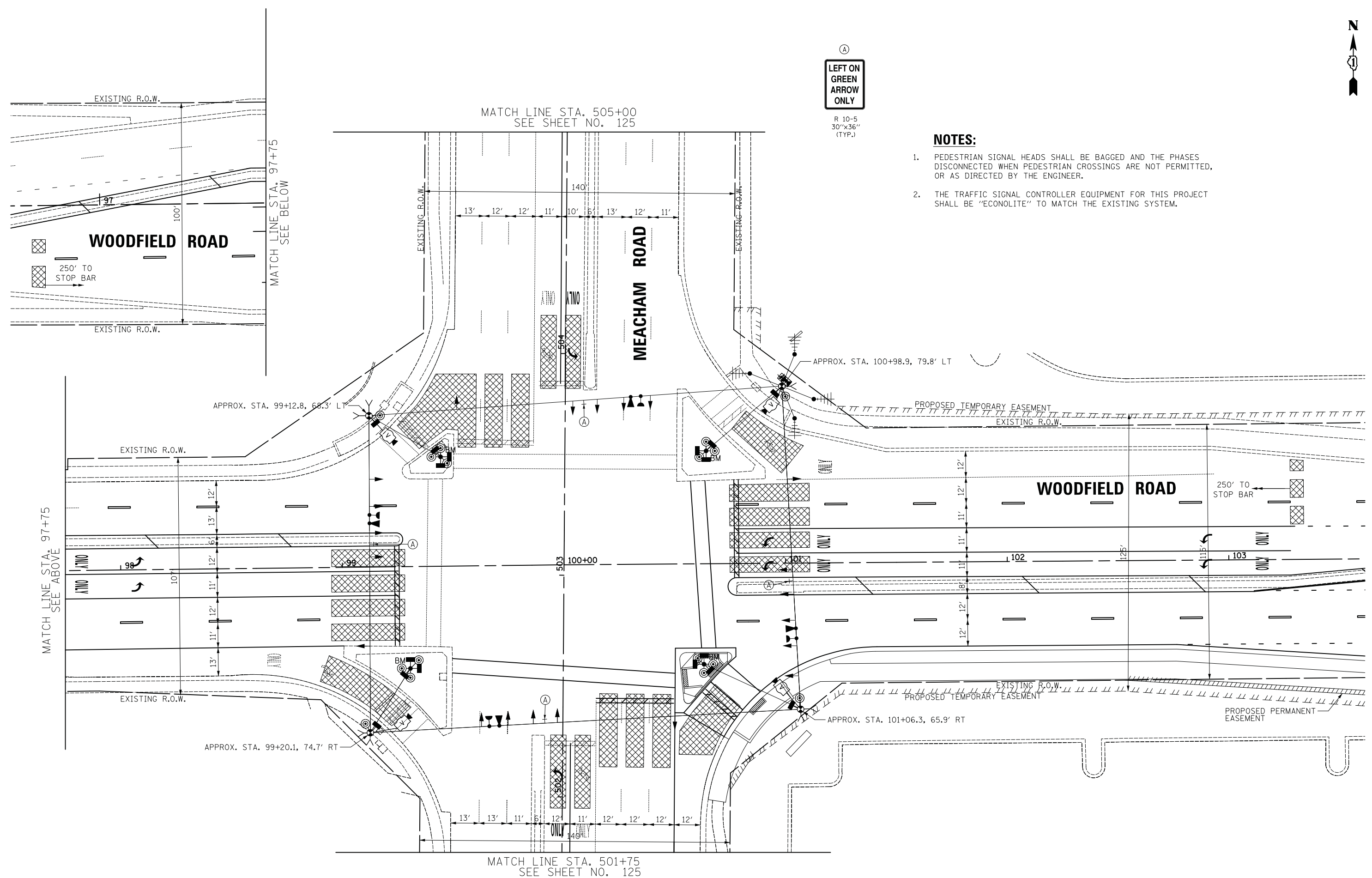
ILLINOIS FED. AID PROJECT



(A)  
**LEFT ON GREEN  
 ARROW ONLY**  
 R 10-5  
 30"x36"  
 (TYP.)

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

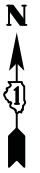
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
 TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 WINTER  
 WOODFIELD ROAD AND MEACHAM ROAD**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	124
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

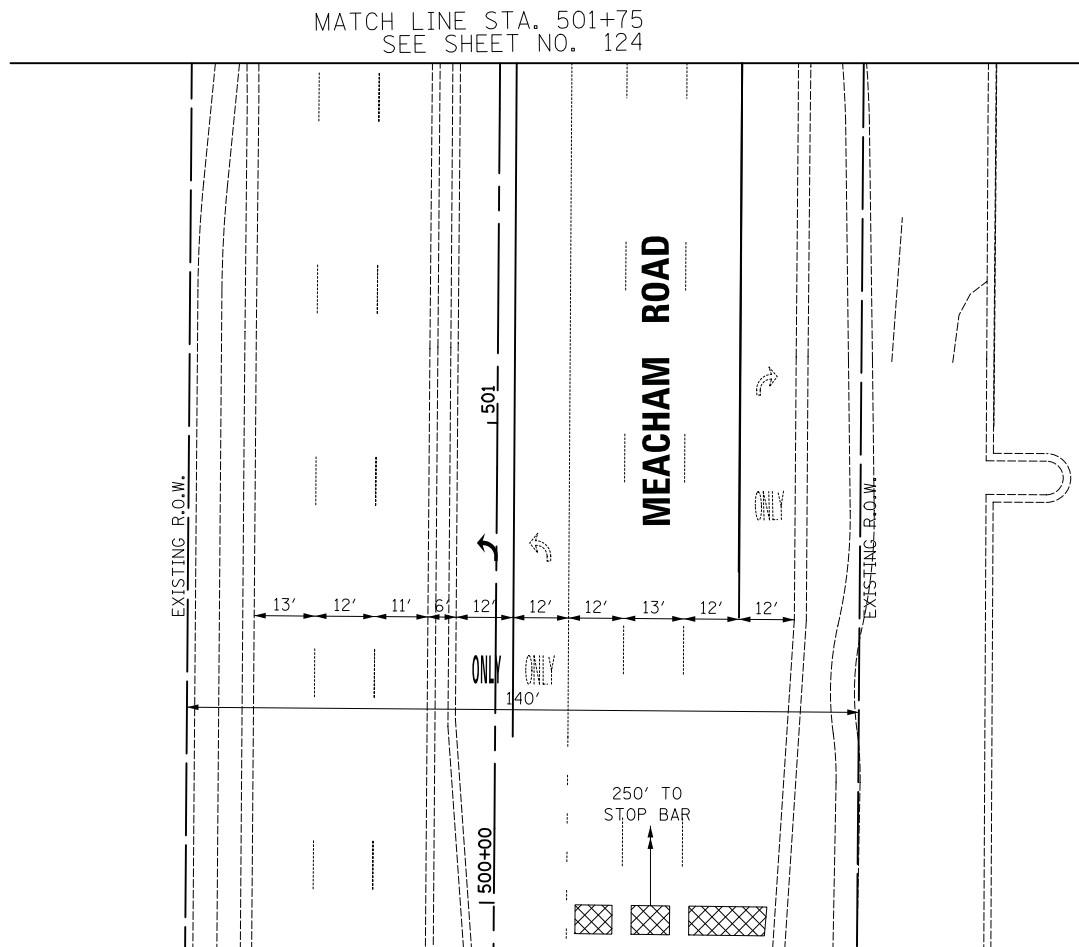
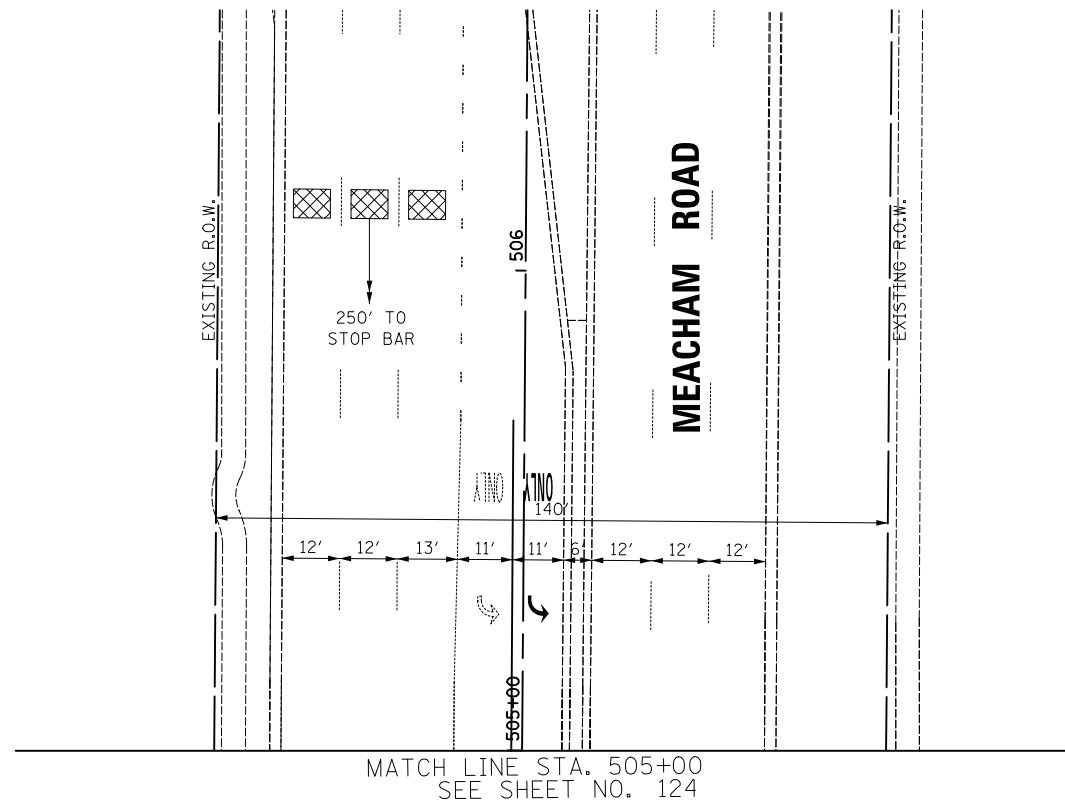
FILE NAME = ...\\D1\Temporary\_MDT 1 Winter\_Woodfield Rd at Meacham Rd Sht. 1 of 2.dgn





**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...\\ID2\_Temporary\_MDT\_1\_Winter\_Woodfield\_Rd\_at\_Meacham\_Rd\_Sht\_2\_of\_2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 WINTER  
WOODFIELD ROAD AND MEACHAM ROAD**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

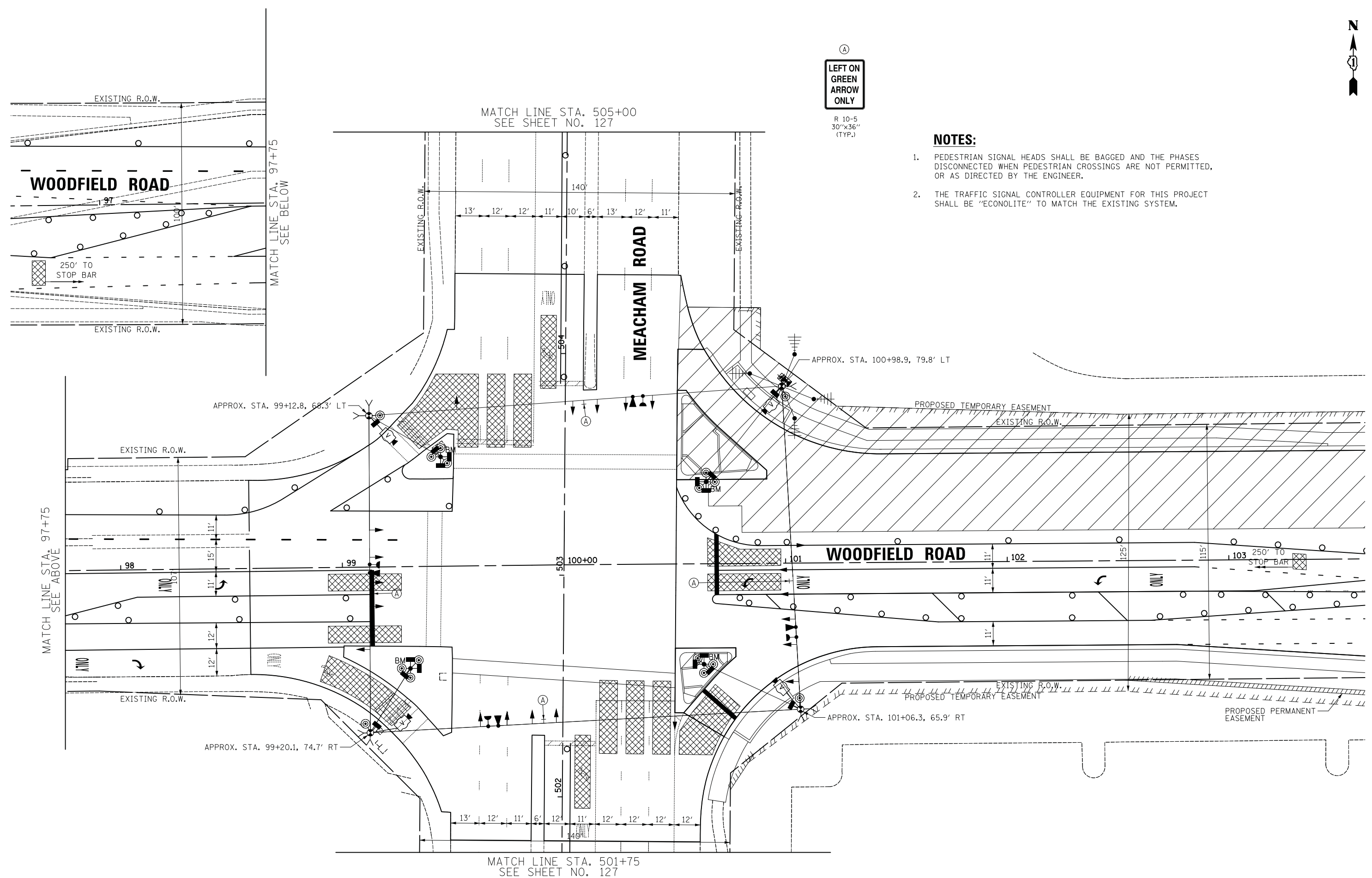
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	125
CONTRACT NO. 61F10			ILLINOIS FED. AID PROJECT	



(A)  
**LEFT ON GREEN  
 ARROW ONLY**  
 R 10-5  
 30"x36"  
 (TYP.)

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

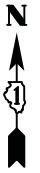
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
 TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2  
 WOODFIELD ROAD AND MEACHAM ROAD**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

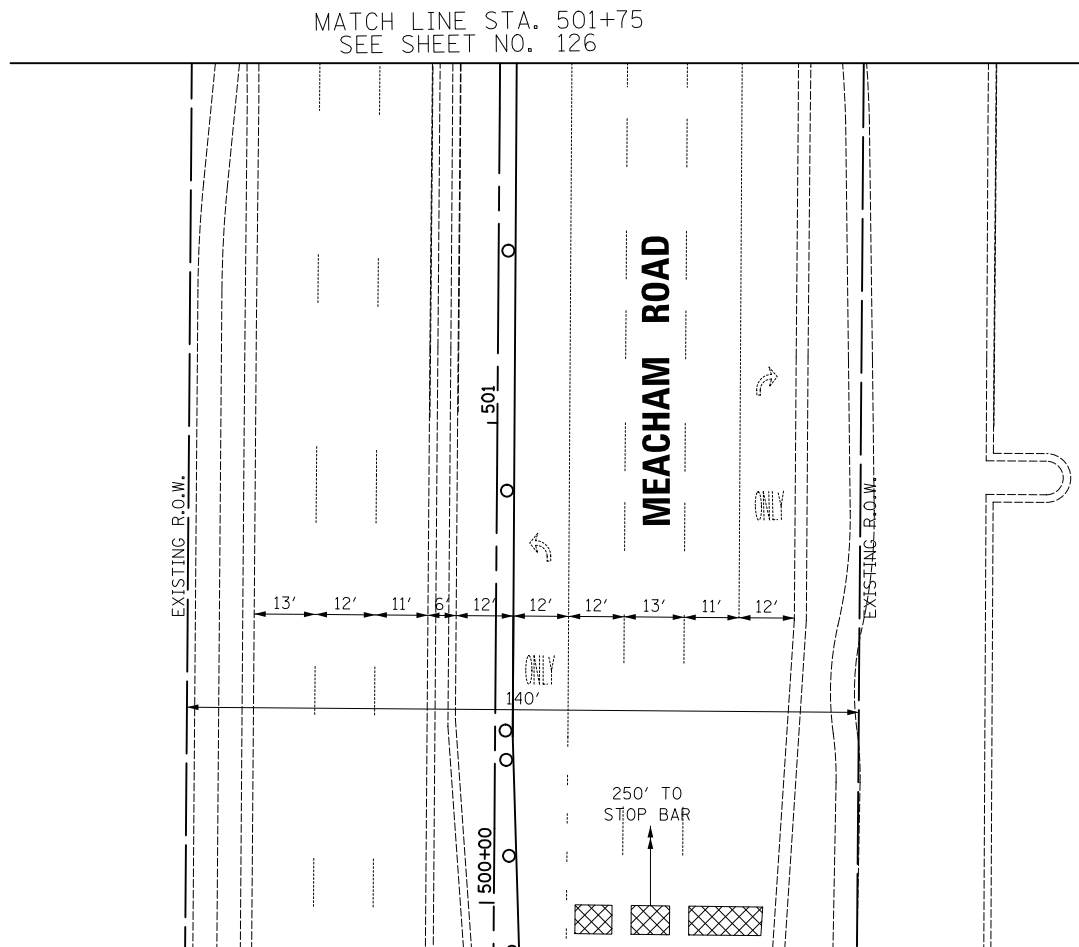
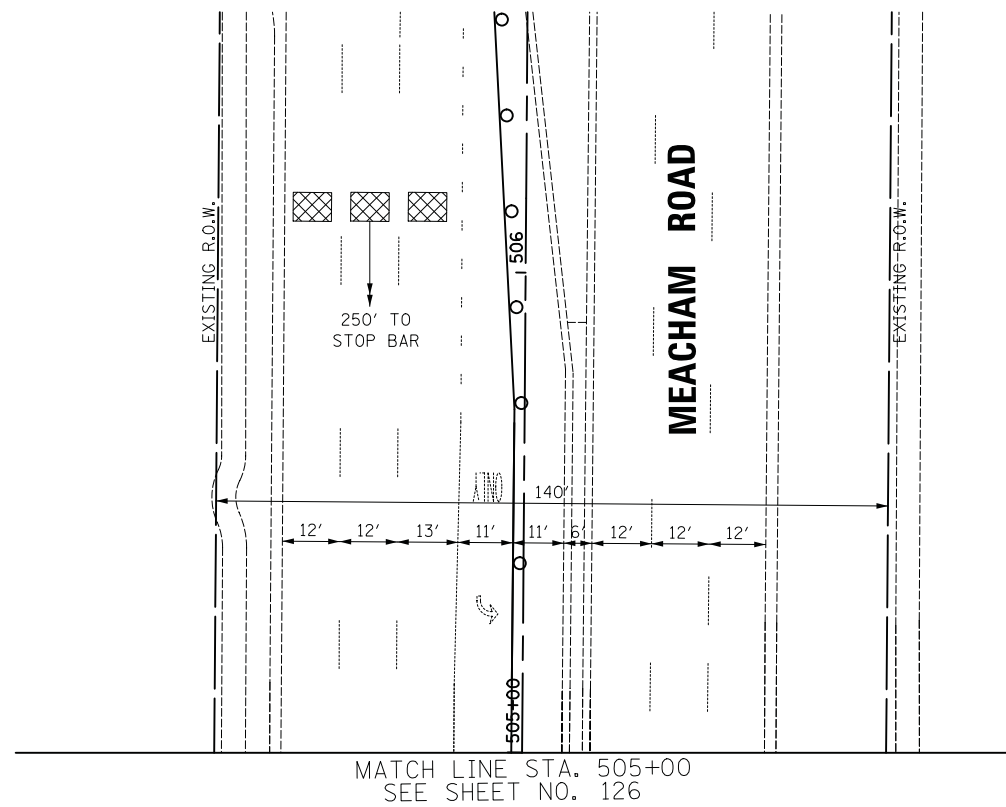
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	126
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

FILE NAME = ...\\IC.Temporary MDT 2, Woodfield Rd at Meacham Rd Sht. 1 of 2.dgn



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...\\ID\_Temporary\_MDT\_2\_Woodfield\_Rd\_at\_Meacham\_Rd\_Sht\_2\_of\_2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2  
WOODFIELD ROAD AND MEACHAM ROAD**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

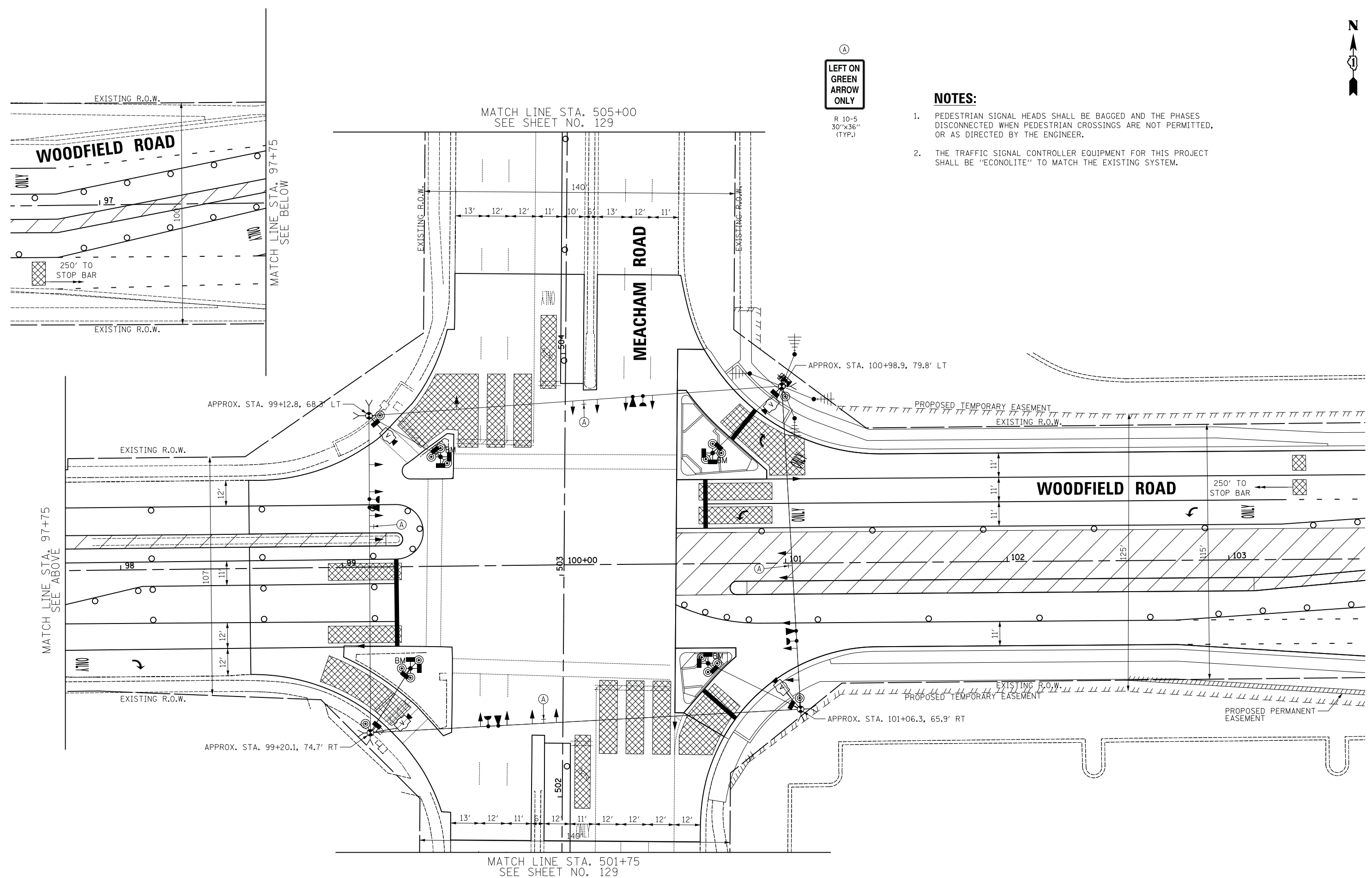
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	127
CONTRACT NO. 61F10			ILLINOIS FED. AID PROJECT	



(A)  
**LEFT ON GREEN  
 ARROW ONLY**  
 R 10-5  
 30"x36"  
 (TYP.)

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...\\IE.Temporary MDT 3, Woodfield Rd at Meacham Rd Sht. 1 of 2.dgn



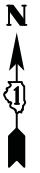
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	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
 TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3  
 WOODFIELD ROAD AND MEACHAM ROAD**

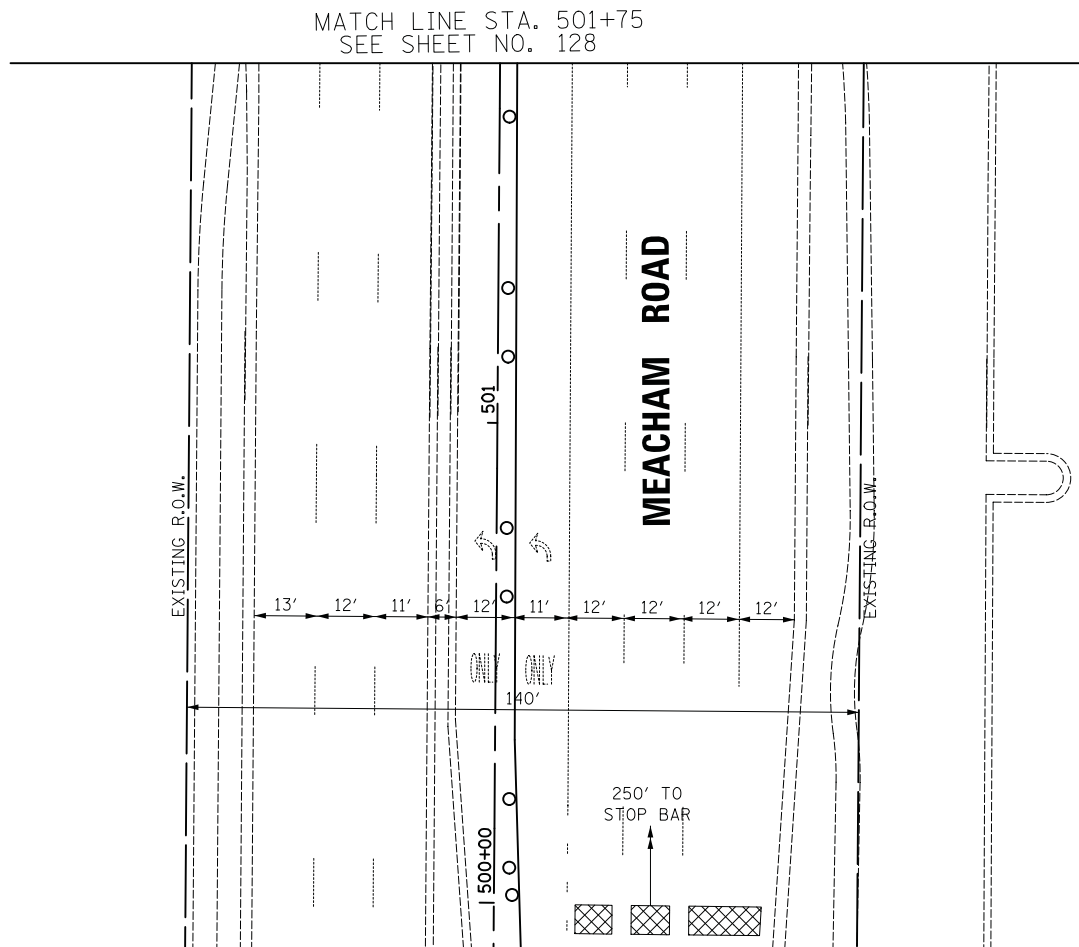
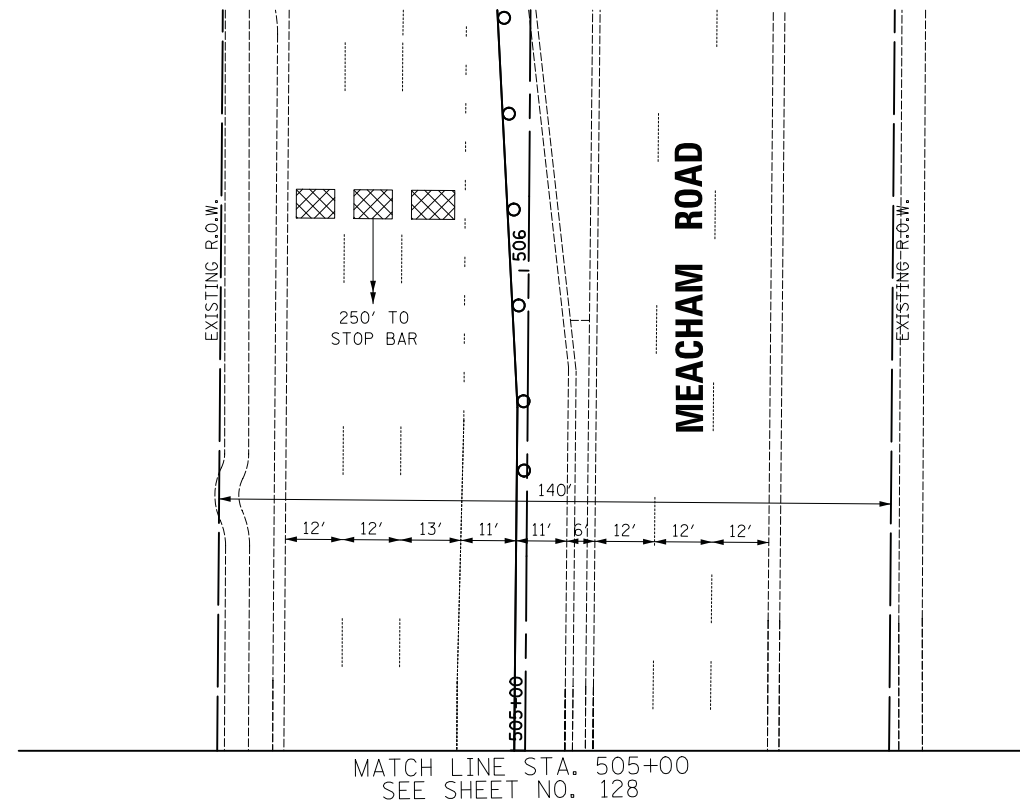
SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	128
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...\\JF\_Temporary\MDT\_3\_Woodfield Rd at Meacham Rd Sht. 2 of 2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

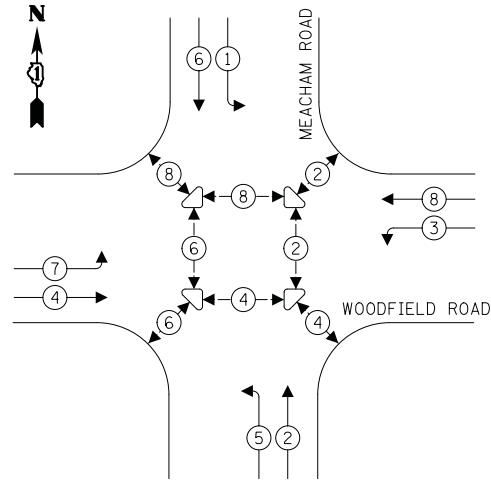
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3  
WOODFIELD ROAD AND MEACHAM ROAD**

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	129
CONTRACT NO. 61F10			ILLINOIS FED. AID PROJECT	

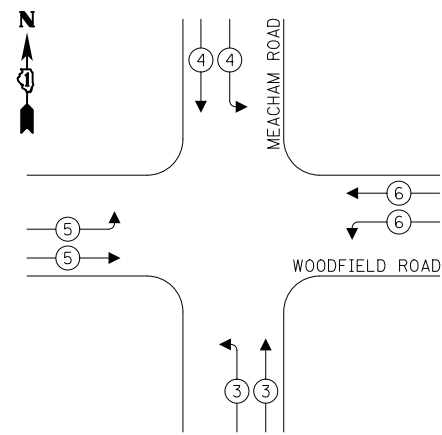
**PROPOSED TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

- ←\* PROTECTED PHASE
- ←\* PROTECTED/PERMITTED PHASE
- ←\* PEDESTRIAN PHASE
- ←\* OL OVERLAP

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

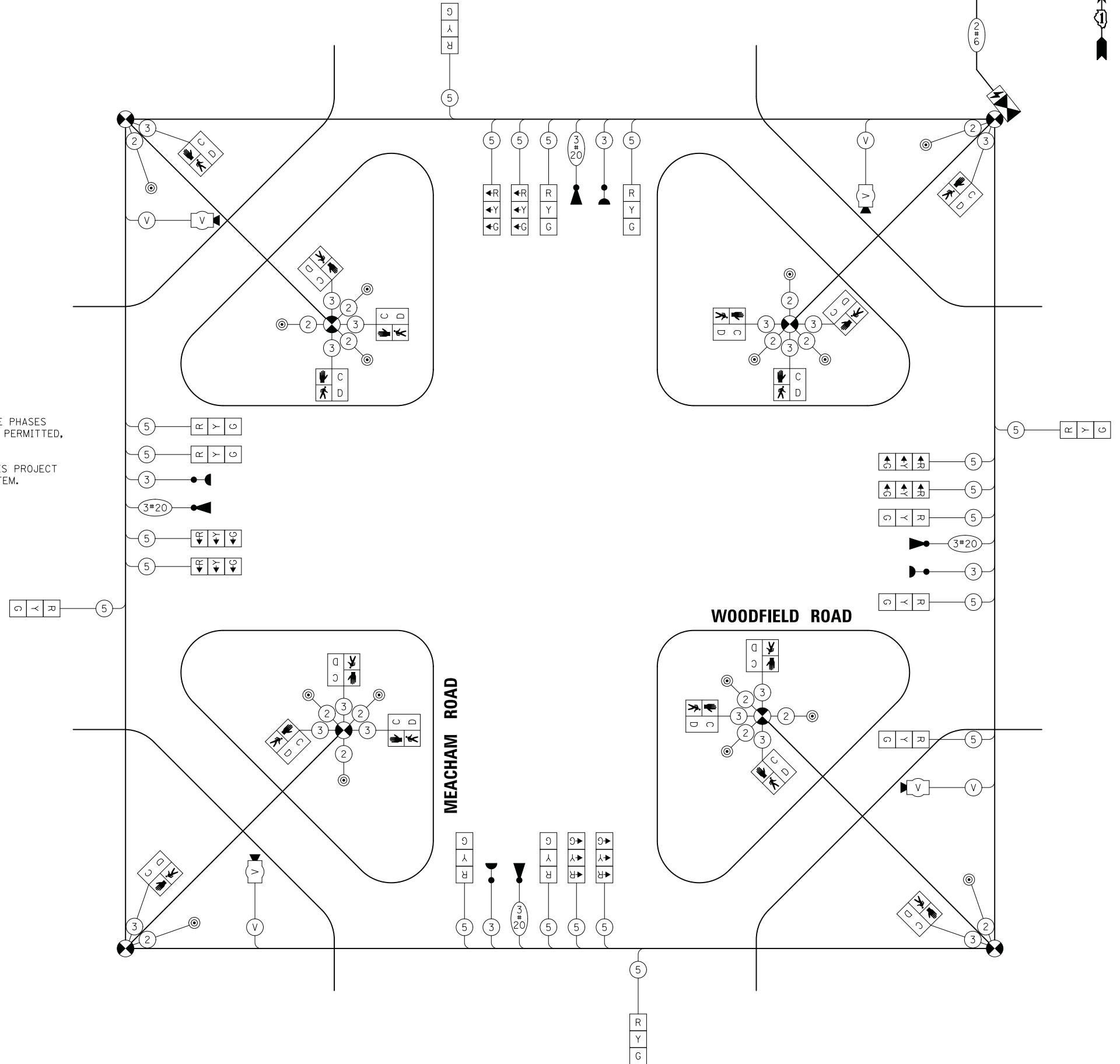
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	0	10	10	0
PED. SIGNAL	16	20	100	320.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				833.0

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG  
101 SCHAUMBURG COURT  
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: TRACY WASH  
PHONE: (630) 691-4691  
COMPANY: COMED  
ACCOUNT NUMBER: 0245068017



FILE NAME = ...12\_Temporary Cable Plan and Sequences.Woodfield Rd at Meacham Rd.dgn



USER NAME = jet  
DESIGNED - LEP  
DRAWN - OJT  
PLOT SCALE = 20.0000' / in.  
CHECKED - JJE  
PLOT DATE = 2/4/2019

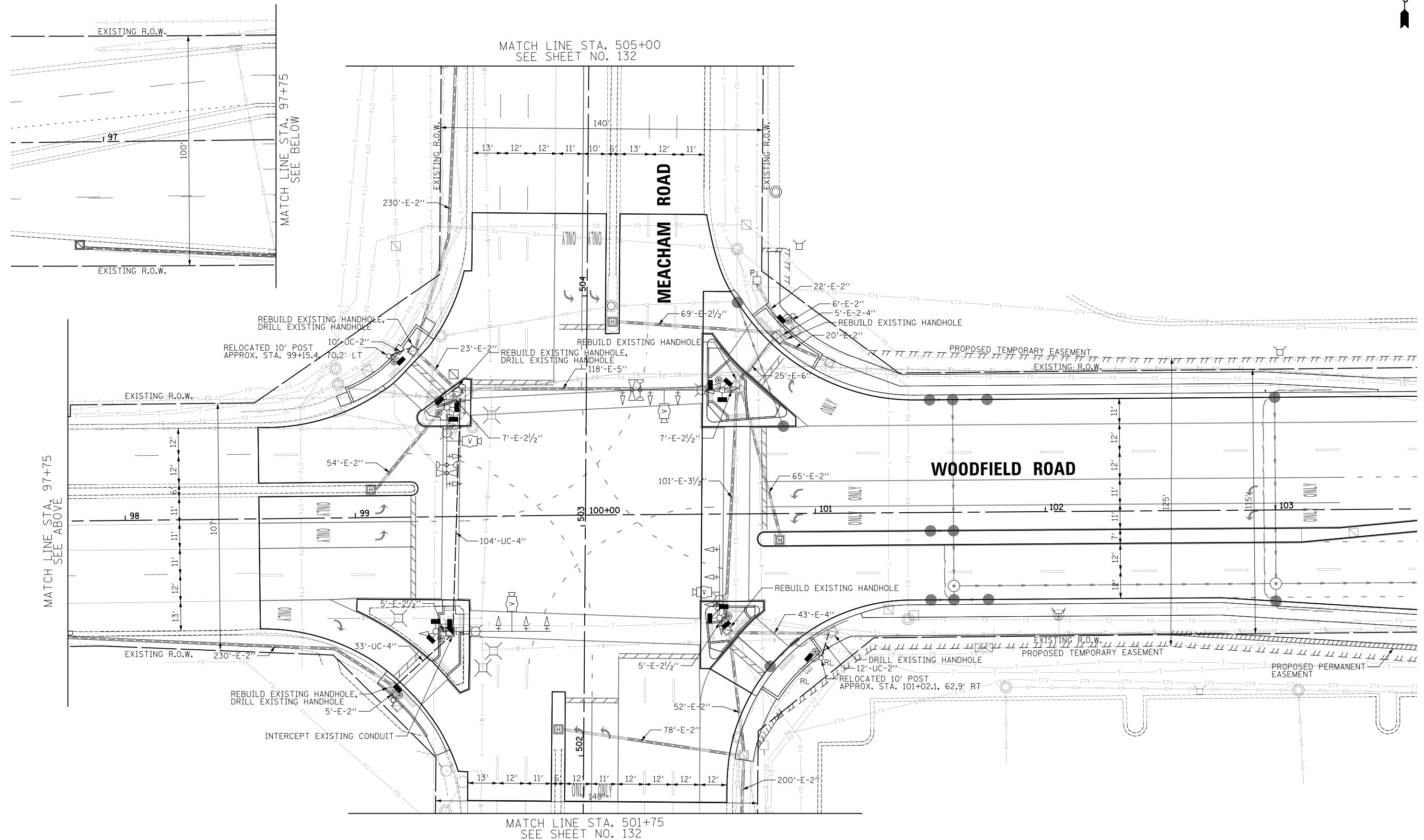
REVISED -  
REVISED -  
REVISED -  
DATE - 2/1/2018  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY CABLE PLAN AND SEQUENCES  
WOODFIELD ROAD AND MEACHAM ROAD**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	130
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 505+00  
SEE SHEET NO. 132

MATCH LINE STA. 97+75  
SEE ABOVE

MATCH LINE STA. 97+75  
SEE BELOW

MATCH LINE STA. 501+75  
SEE SHEET NO. 132

FILE NAME = ...13. Traffic Signal Installation and Removal Plan\_Woodfield Rd at Meacham Rd Sht. 1 of 2.dgn



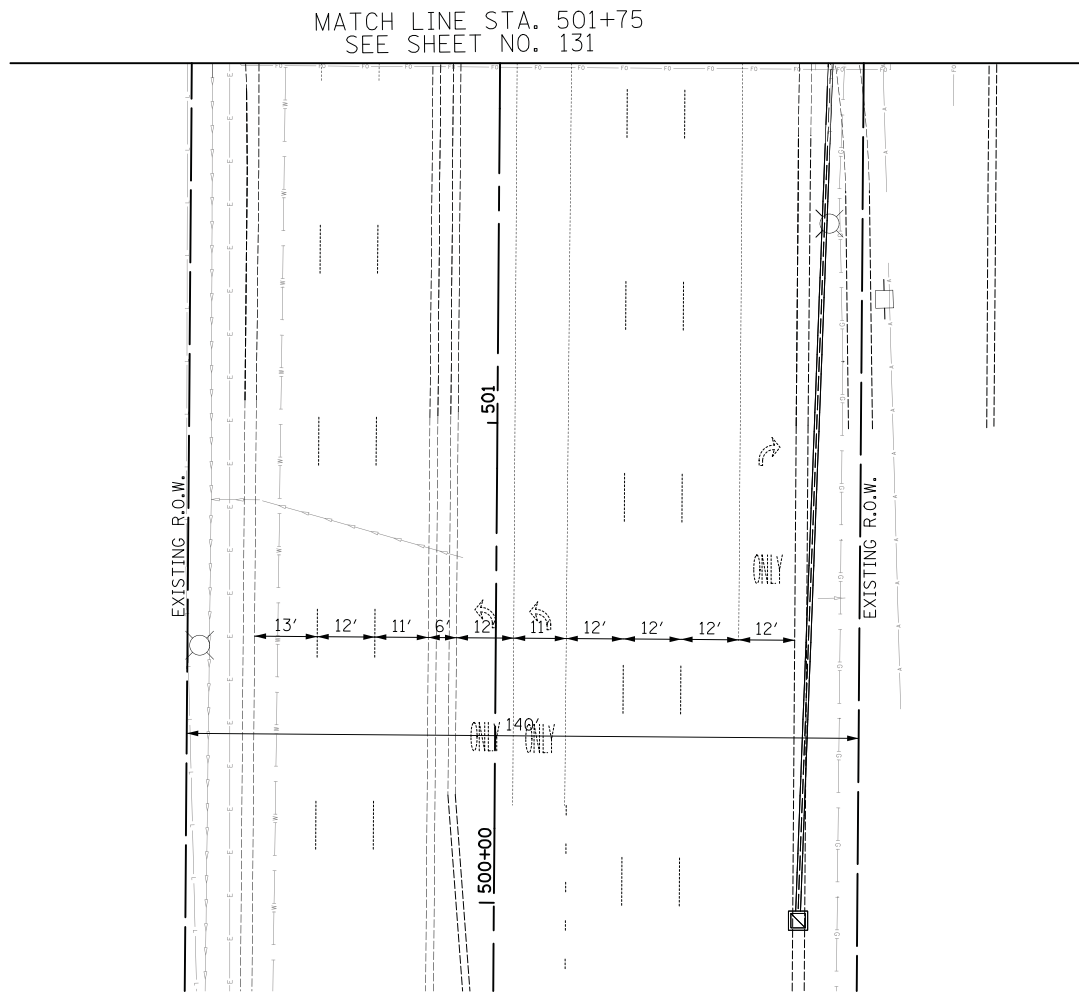
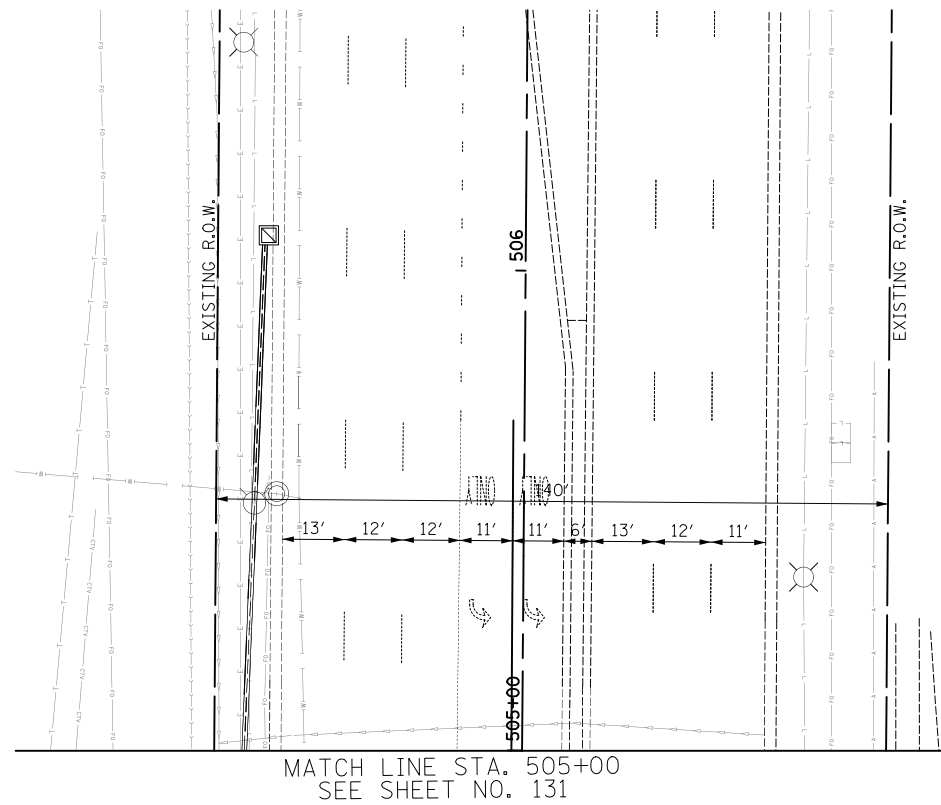
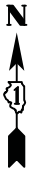
USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TRAFFIC SIGNAL MODIFICATION PLAN  
WOODFIELD ROAD AND MEACHAM ROAD

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	131
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



FILE NAME = ...14\_Traffic Signal Installation and Existing Plan\_Woodfield Rd at Meacham Rd Sht 2 of 2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
WOODFIELD ROAD AND MEACHAM ROAD**

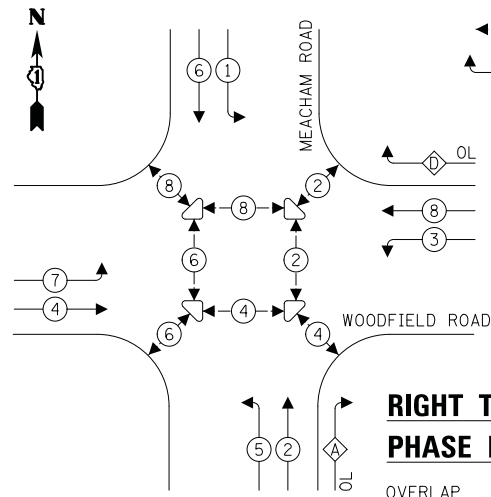
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	132
			CONTRACT NO. 61F10	
ILLINOIS FED. AID PROJECT				





**EXISTING AND PROPOSED TEMPORARY CONTROLLER SEQUENCE**

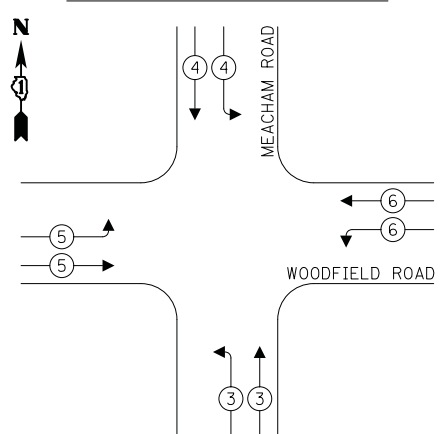


- LEGEND:**
- ← ⊙ ← PROTECTED PHASE
  - ← ⊙ - PROTECTED/PERMITTED PHASE
  - ← ⊙ → PEDESTRIAN PHASE
  - ← ⊙ OL OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 3	
D	= 8 + 1	

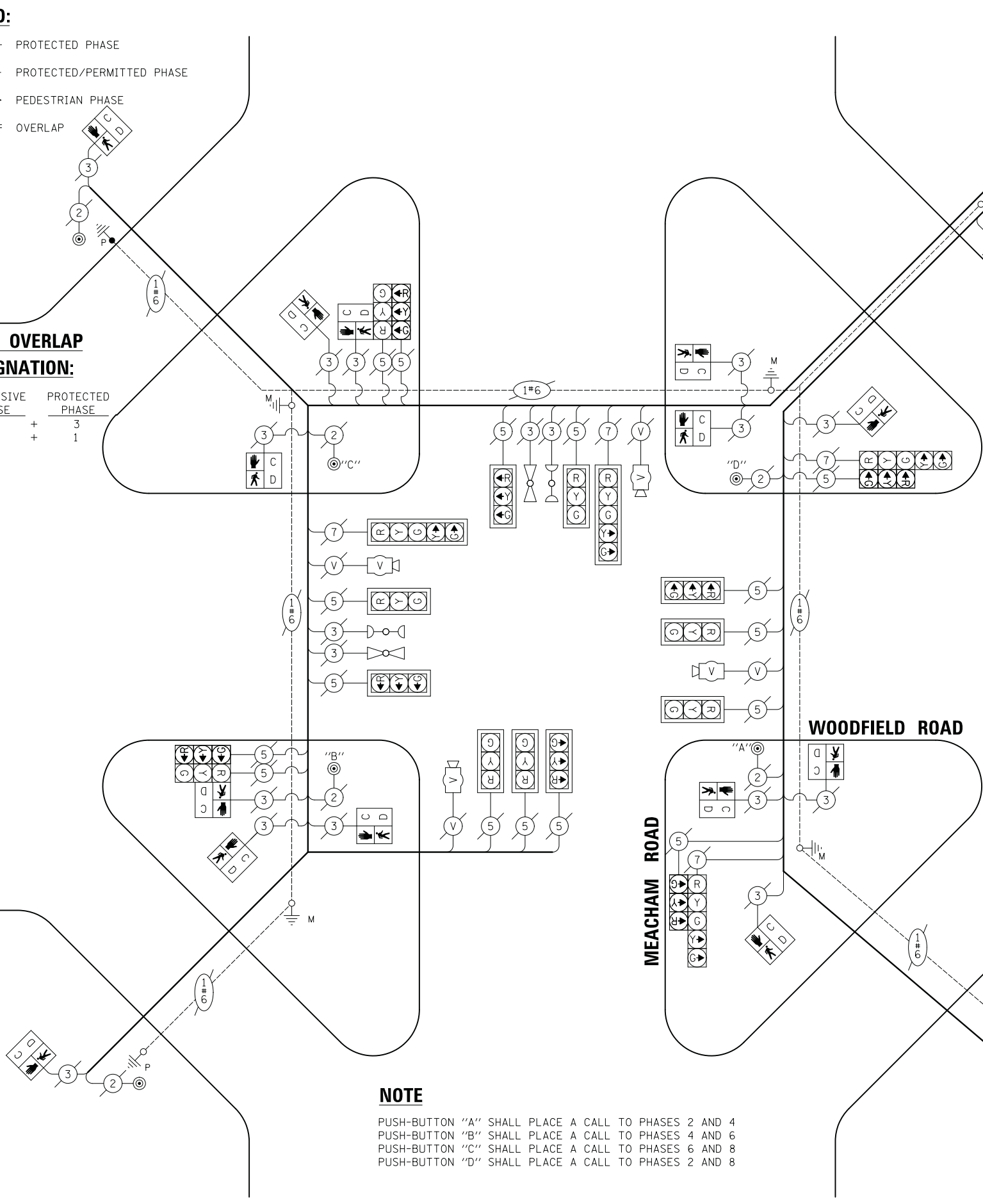
**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	16	20	100	320.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				841.0

ENERGY COSTS TO:  
 VILLAGE OF SCHAUMBURG  
 101 SCHAUMBURG COURT  
 SCHAUMBURG, IL 60193  
 ENERGY SUPPLY: CONTACT: TRACY WASH  
 PHONE: (630) 691-4691  
 COMPANY: COMED  
 ACCOUNT NUMBER: 0245068017



**NOTE**

PUSH-BUTTON "A" SHALL PLACE A CALL TO PHASES 2 AND 4  
 PUSH-BUTTON "B" SHALL PLACE A CALL TO PHASES 4 AND 6  
 PUSH-BUTTON "C" SHALL PLACE A CALL TO PHASES 6 AND 8  
 PUSH-BUTTON "D" SHALL PLACE A CALL TO PHASES 2 AND 8

**SCHEDULE OF QUANTITIES**

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	22
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	137
HANDHOLE	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	189
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1718
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	6
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

FILE NAME = ...\\S:\Cable Plan and Sequences-Woodfield Rd at Meacham Rd.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
 CABLE PLAN, SEQUENCES, AND SCHEDULE OF QUANTITIES  
 WOODFIELD ROAD AND MEACHAM ROAD**

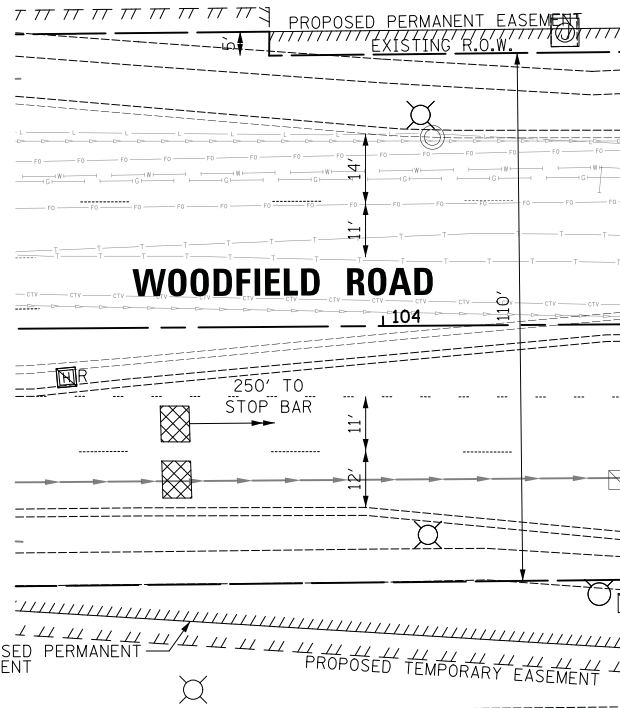
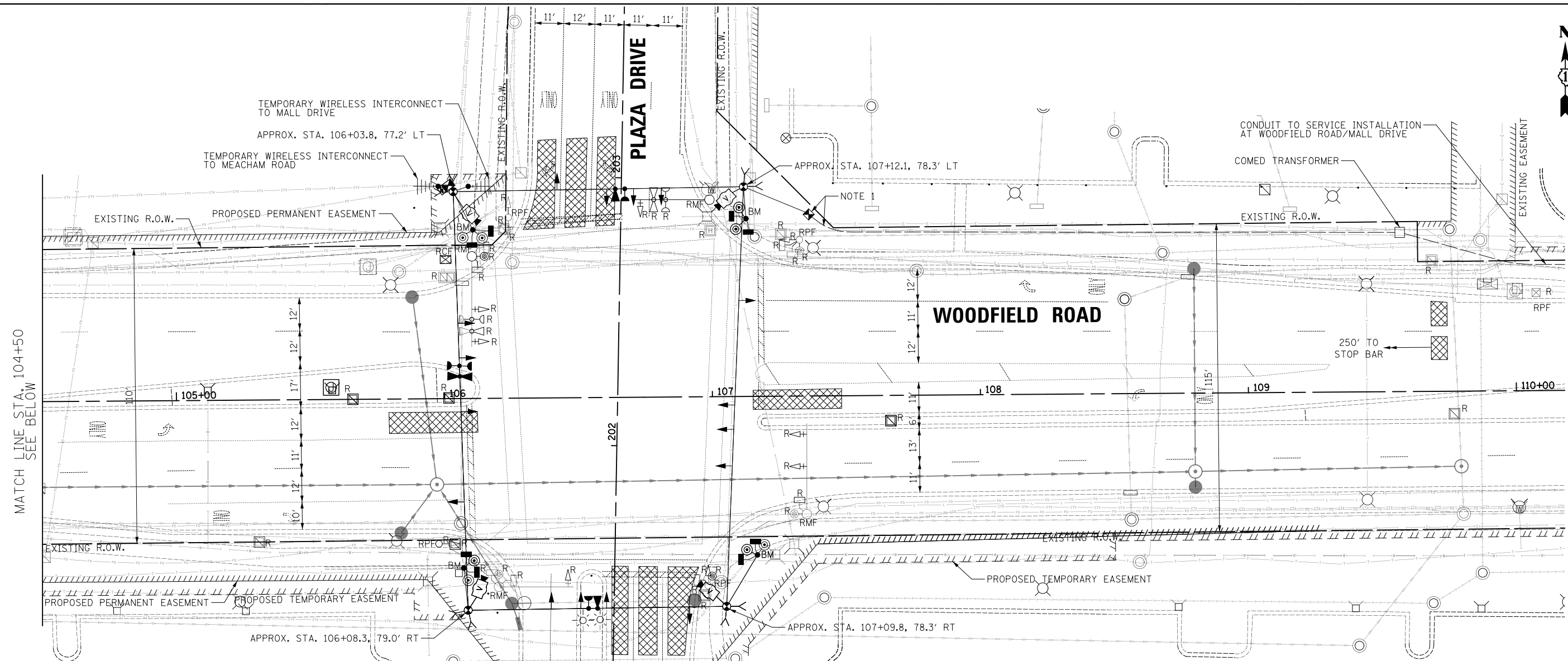
SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	133
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 104+50  
SEE BELOW

MATCH LINE STA. 104+50  
SEE ABOVE



**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH 3-SECTION SIGNAL HEAD
- 10 EACH 5-SECTION SIGNAL HEAD
- 5 EACH PEDESTRIAN PUSH BUTTON
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF SCHAUMBURG. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE VILLAGE.

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

**NOTES:**

1. THE GROUND MOUNTED SERVICE INSTALLATION AND CONDUIT ARE TO BE INSTALLED FOR USE WITH THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND SHALL REMAIN IN PLACE FOR THE PERMANENT TRAFFIC SIGNAL INSTALLATION. IF ANY EQUIPMENT IS DAMAGED DURING CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE THE EQUIPMENT AT NO ADDITIONAL COST TO THE CONTRACT.
2. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
3. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...16.Temporary Traffic Signal Installation and Removal Plan\_Woodfield Rd at Plaza Dr.dgn



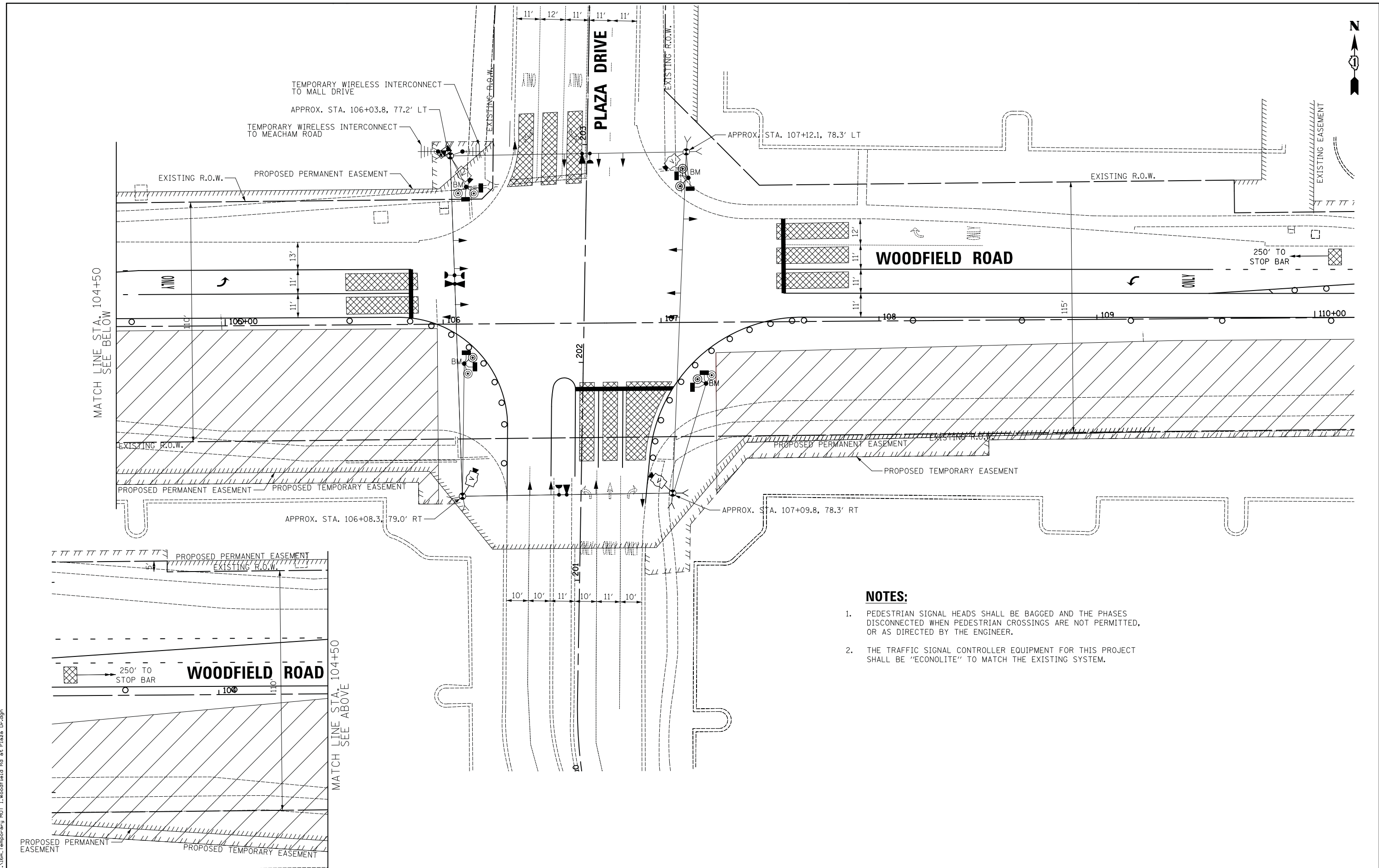
USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	134
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\6A.Temporary MGT 1.Woodfield Rd at Plaza Dr.dgn

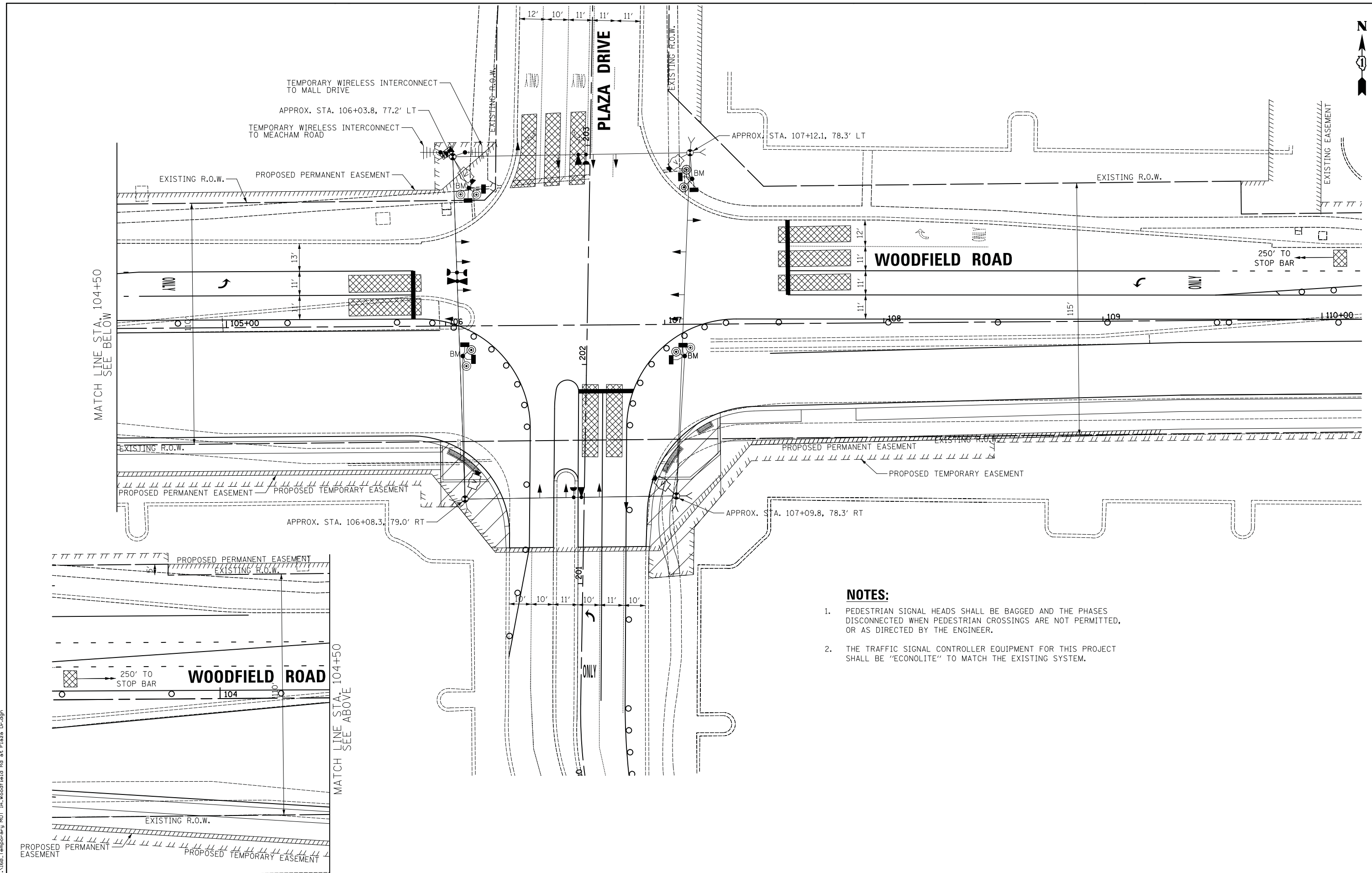
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	PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
	PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
		DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGES 1, 1B-1C  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	135
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\LB Temporary MGT 1A\_Woodfield Rd at Plaza Dr.dgn

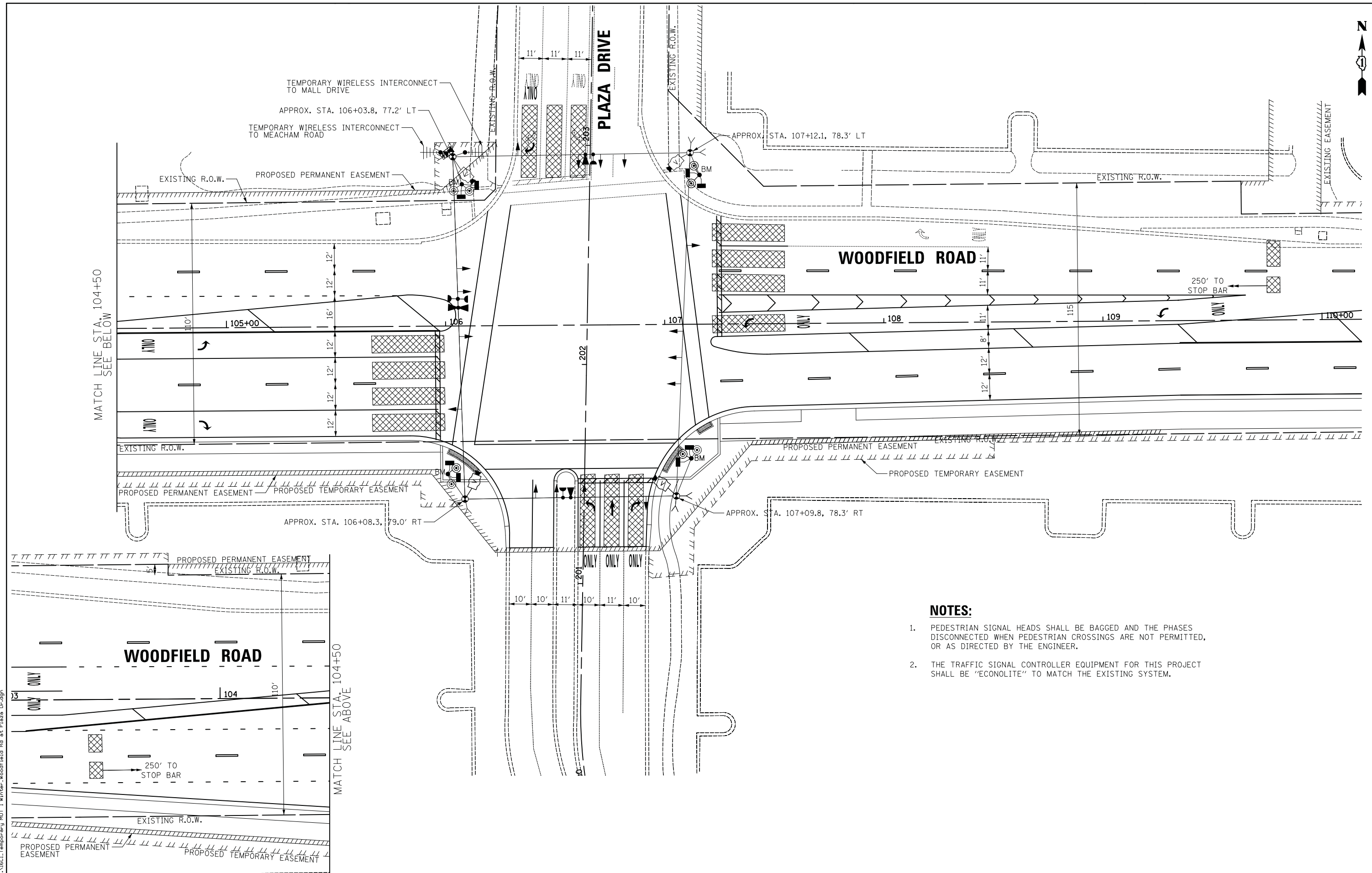
	USER NAME = jet	DESIGNED - LEP	REVISED -
		DRAWN - OJT	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
	PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	136
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\BCL\Temporary MDT 1 Winter\_Woodfield Rd at Plaza Dr.dgn



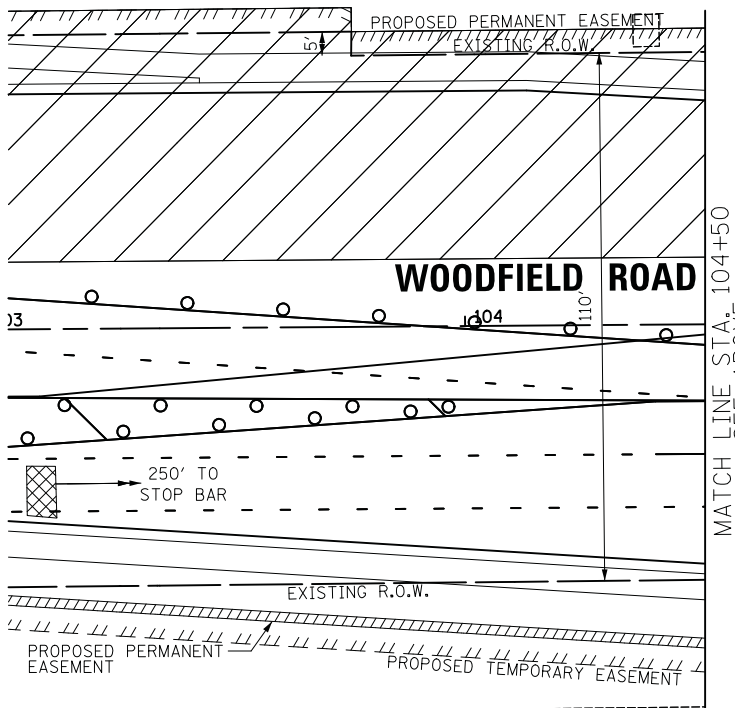
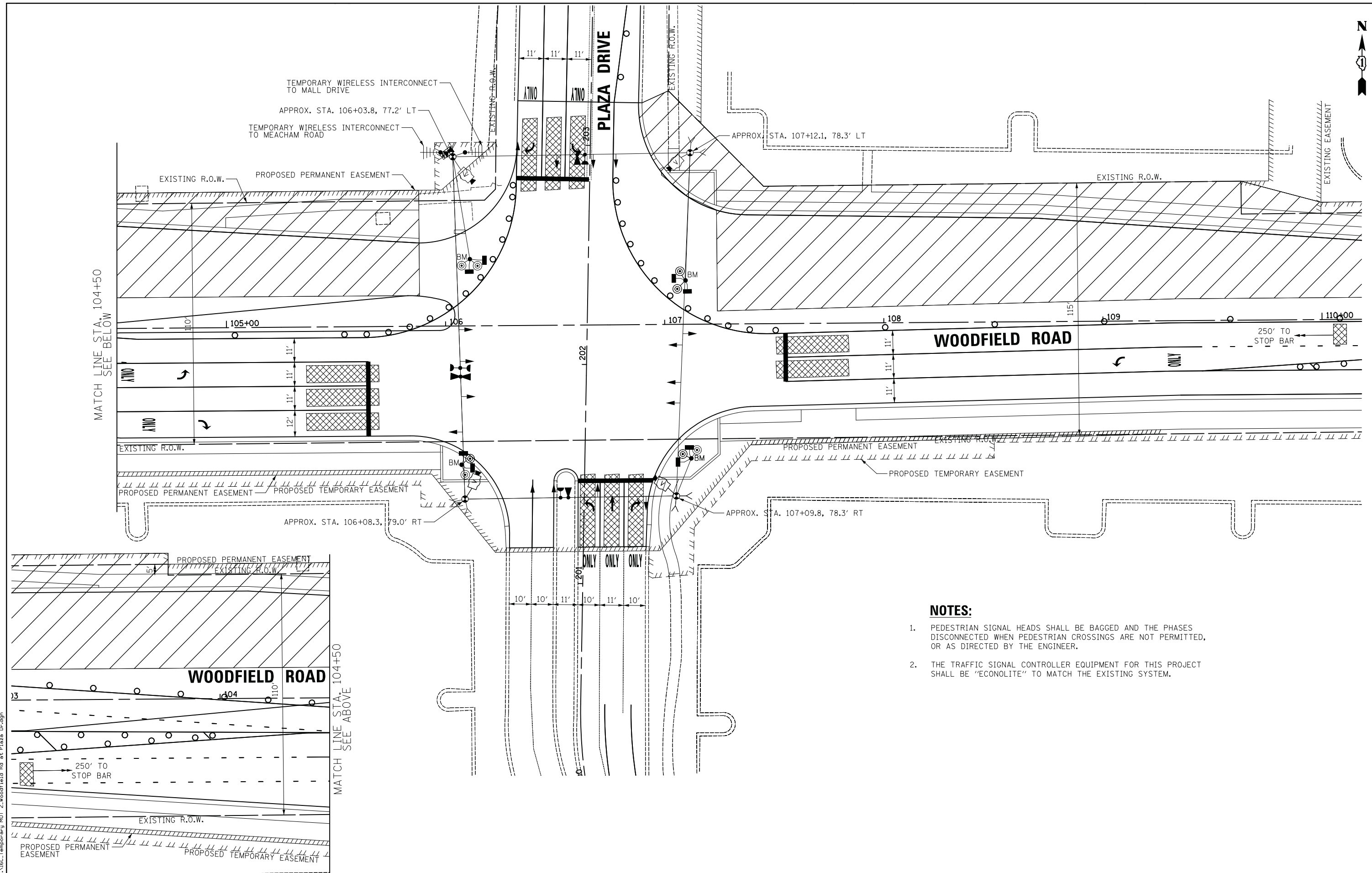
USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1 WINTER  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	137
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\B.C.Temporary\DOT 2\Woodfield Rd at Plaza Dr.dgn

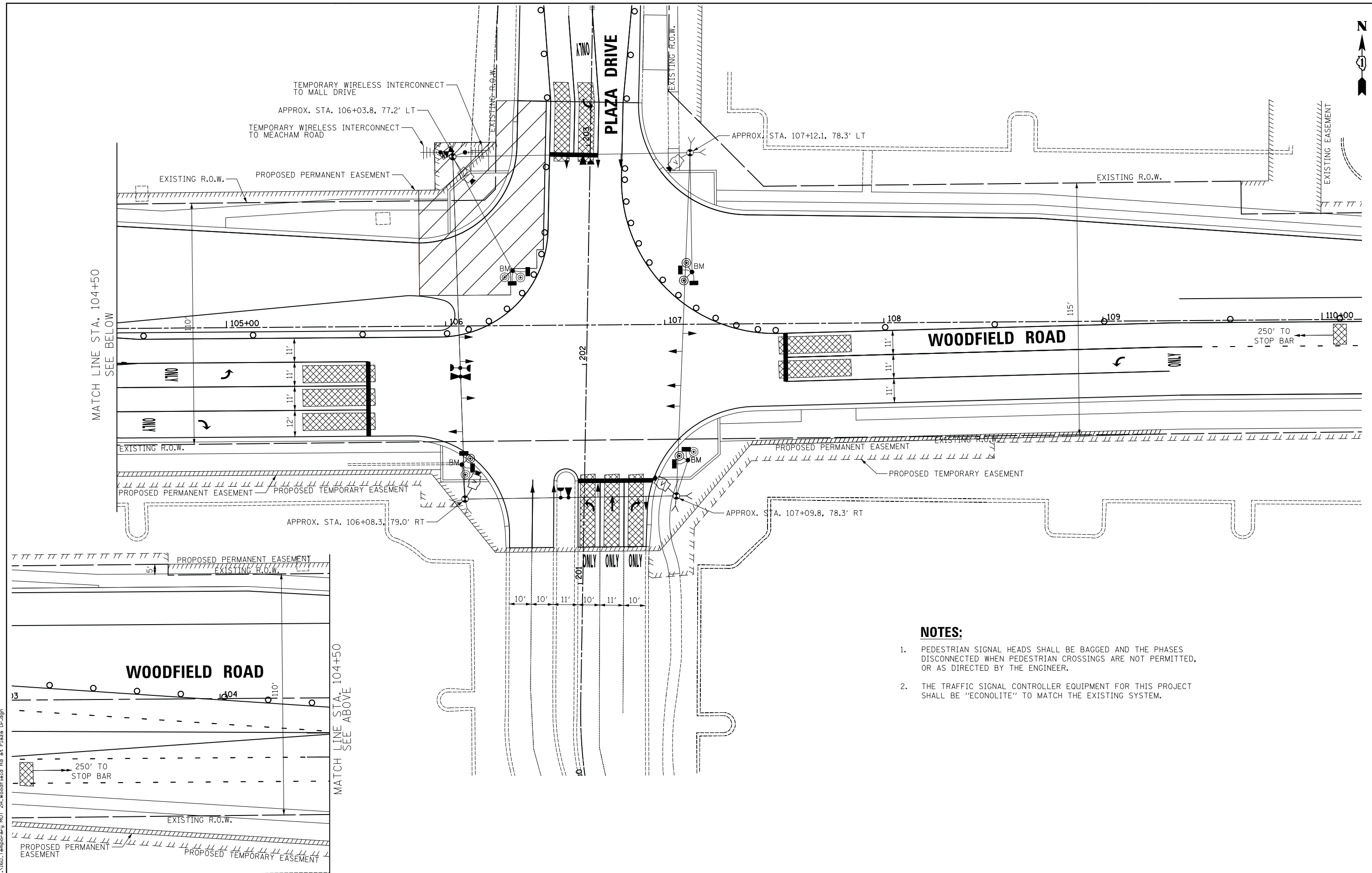


USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD</b>		
<b>TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2</b>		
<b>WOODFIELD ROAD AND PLAZA DRIVE</b>		
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	138
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 104+50  
SEE BELOW

MATCH LINE STA. 104+50  
SEE ABOVE

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\LBD\Temporary\MGT\_24\_Woodfield Rd at Plaza Dr.dgn

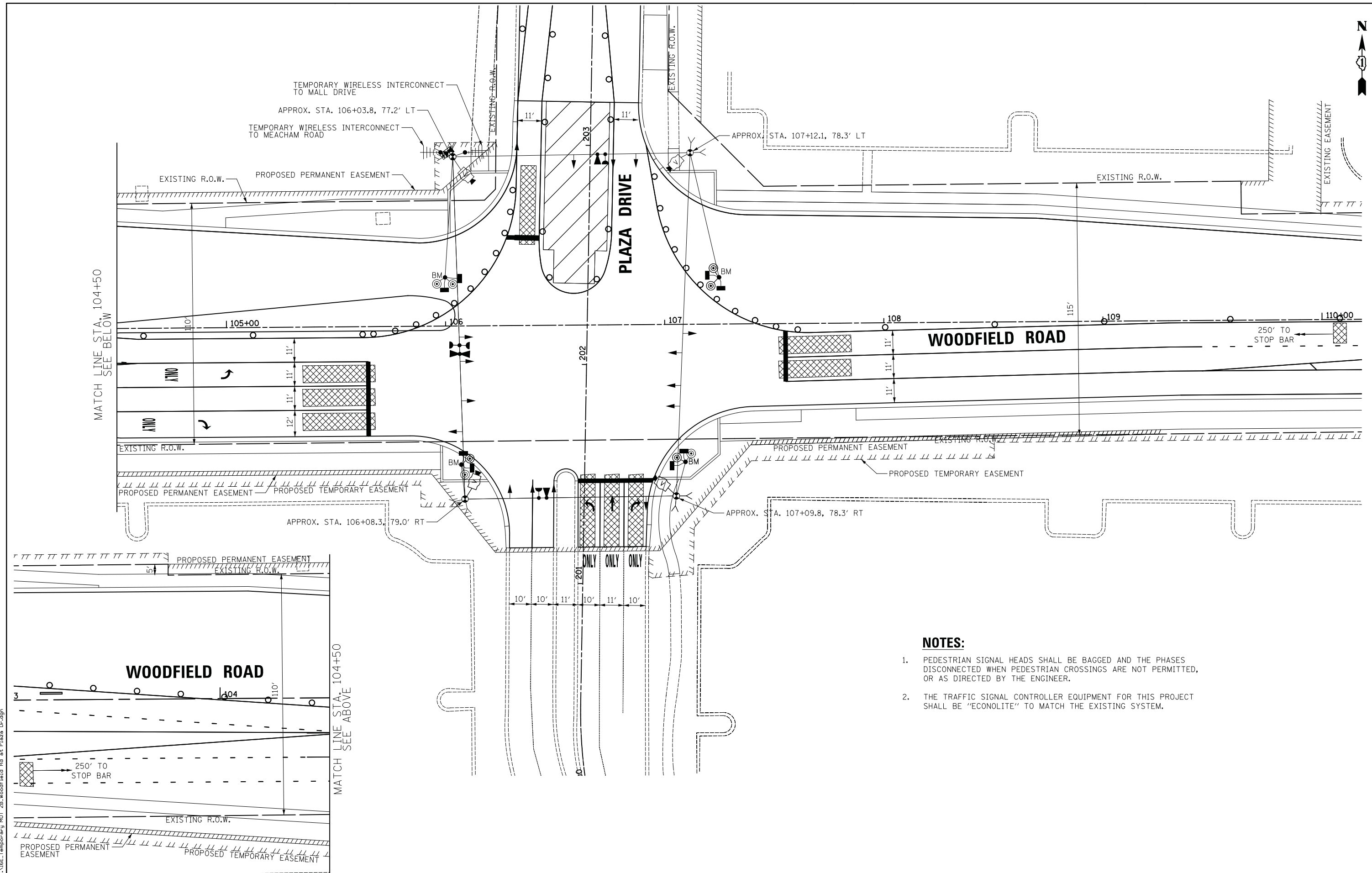


USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD</b>			
<b>TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A</b>			
<b>WOODFIELD ROAD AND PLAZA DRIVE</b>			
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA.	TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	139
<b>CONTRACT NO. 61F10</b>				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 104+50  
SEE BELOW

MATCH LINE STA. 104+50  
SEE ABOVE

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\B6.Temporary\_MOT\_2B.Woodfield.Rd.at.Plaza.Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

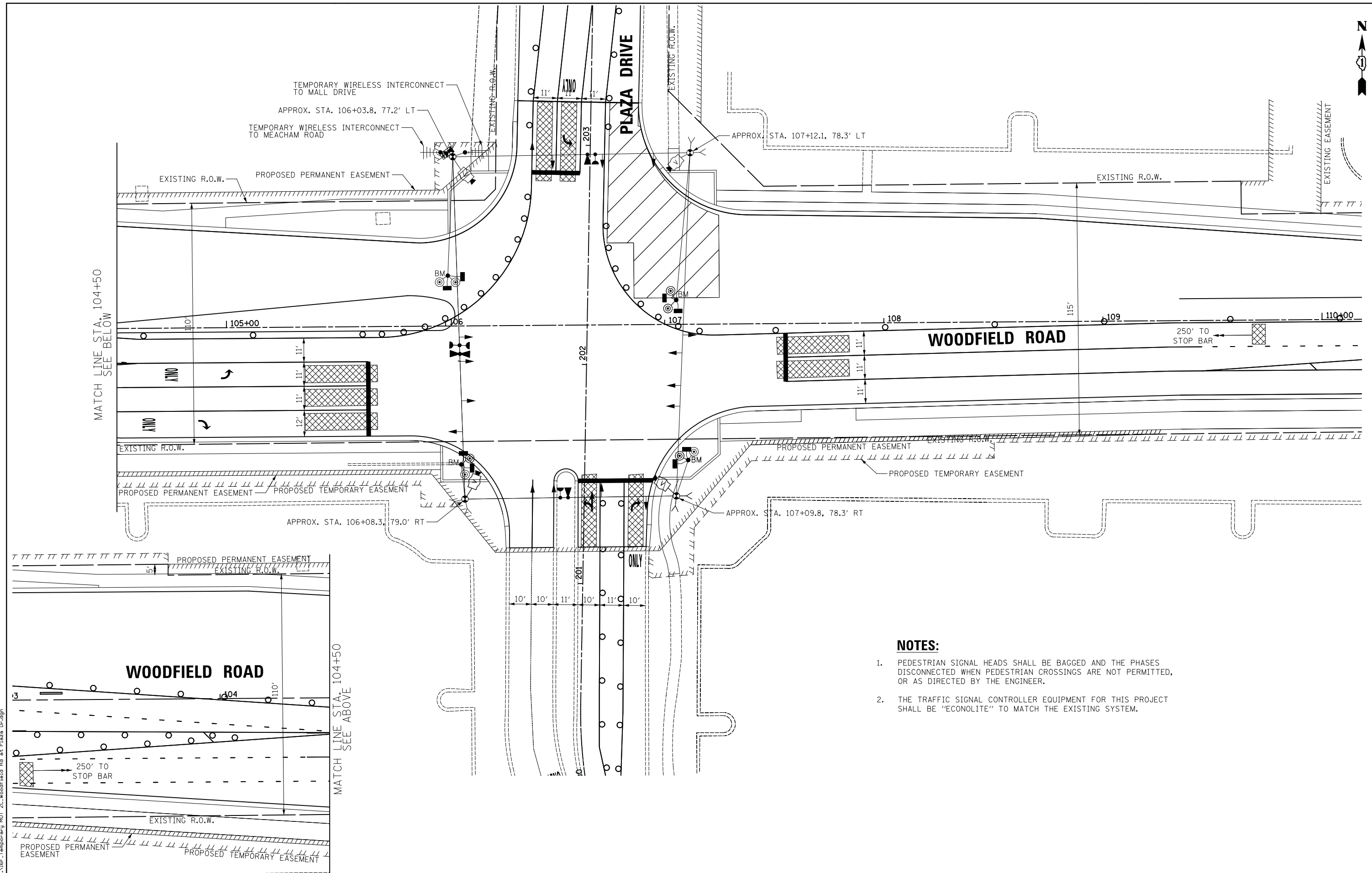
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2B  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	140
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				





MATCH LINE STA. 104+50  
SEE BELOW

MATCH LINE STA. 104+50  
SEE ABOVE

- NOTES:**
1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
  2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\BF\_Temporary\_MOT\_2C\_Woodfield Rd at Plaza Dr.dgn



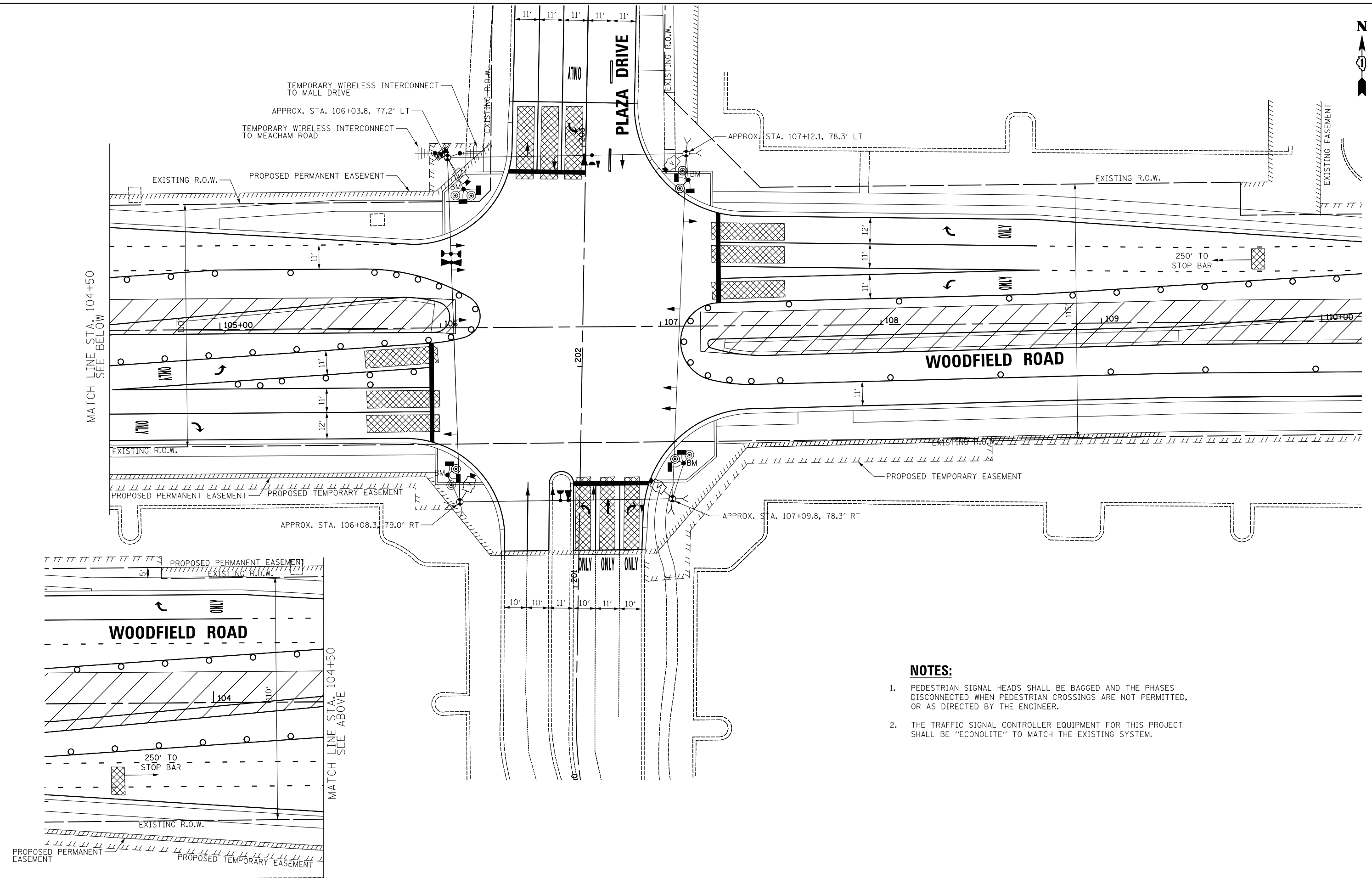
USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2C  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	141
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



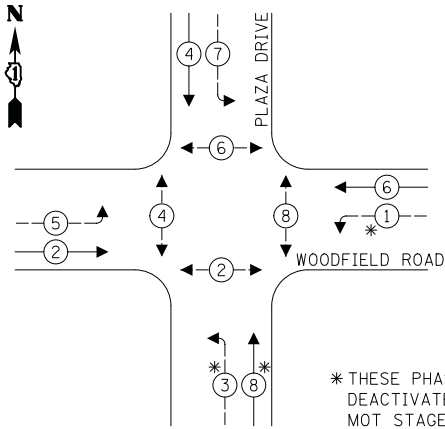
- NOTES:**
1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
  2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...\\166.Temporary MGT 3.Woodfield Rd at Plaza Dr.dgn

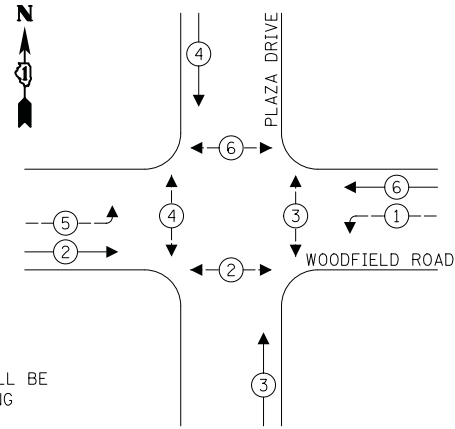
	USER NAME = jet	DESIGNED - LEP	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD</b> <b>TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3</b> <b>WOODFIELD ROAD AND PLAZA DRIVE</b></p>			MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -		3073	14-00114-02-PV	COOK	246	142			
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -		SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA.	TO STA.	<p align="center">ILLINOIS FED. AID PROJECT</p>				
	DATE - 2/1/2018	REVISED -						<p align="center">CONTRACT NO. 61F10</p>				



**PROPOSED TEMPORARY CONTROLLER SEQUENCE**



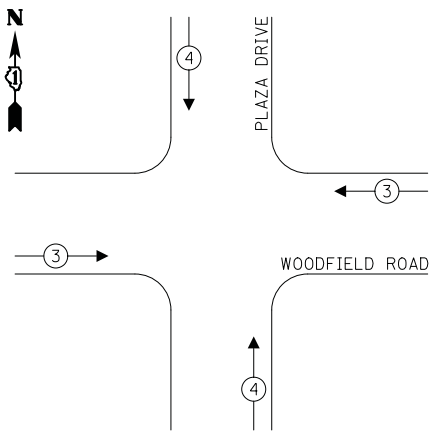
**PROPOSED TEMPORARY CONTROLLER SEQUENCE STAGES 2B, 2C**



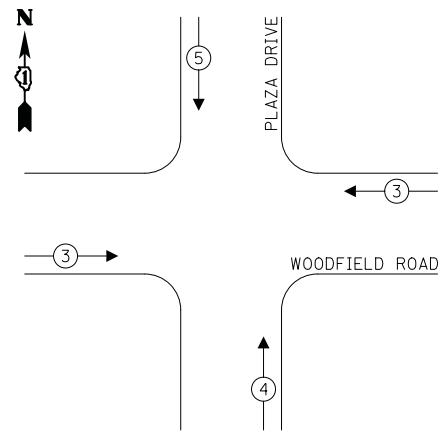
**LEGEND:**

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ ← PROTECTED/PERMITTED PHASE
- ← ⊙ ← PEDESTRIAN PHASE
- ← ⊙ ← OL OVERLAP

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE STAGES 2B, 2C**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				593.8

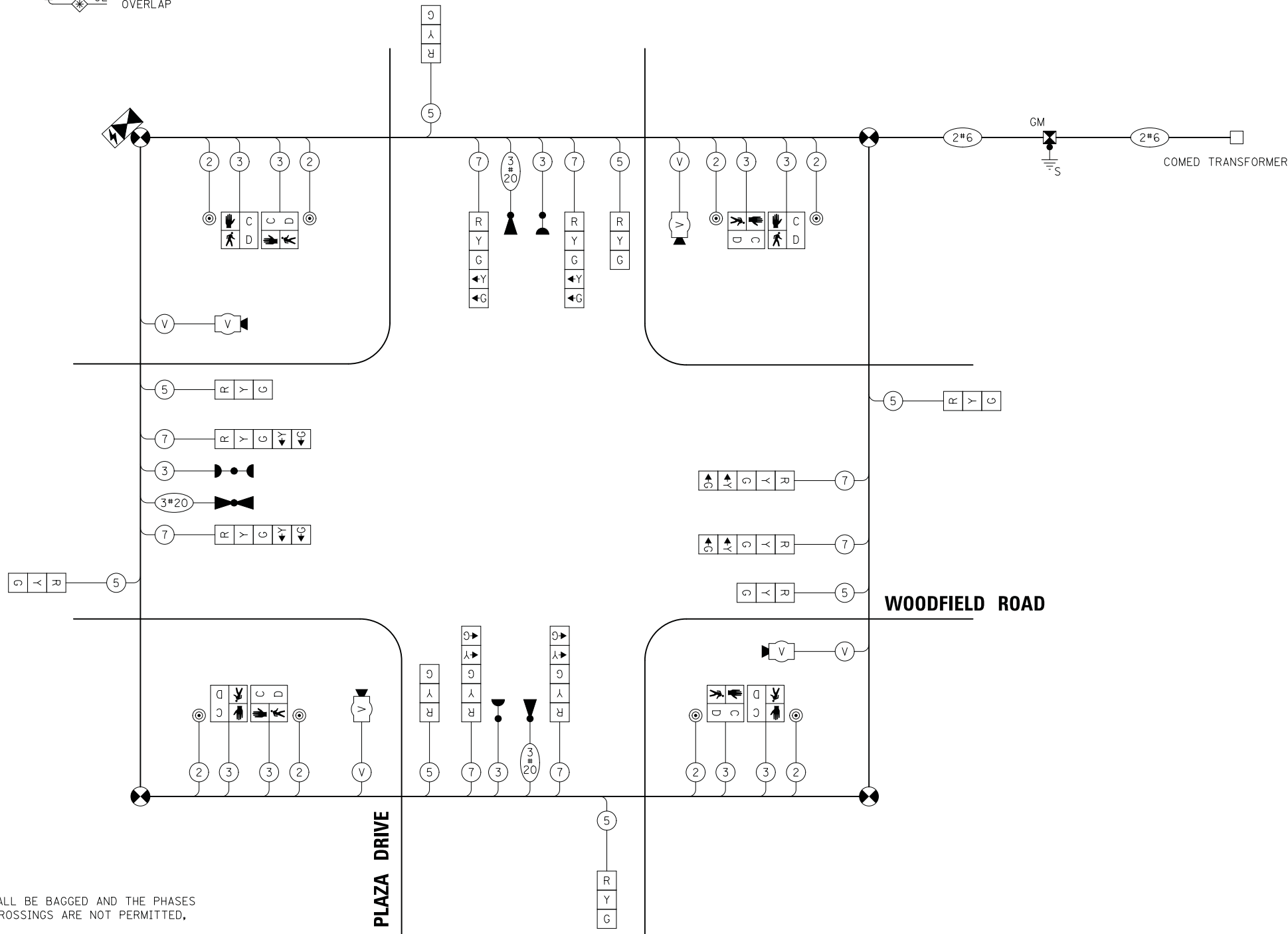
ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG  
101 SCHAUMBURG COURT  
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: TRACY WASH  
PHONE: (630) 691-4691  
COMPANY: COMED  
ACCOUNT NUMBER: 0245068017

**NOTES:**

1. THE PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...17\_Temporary Cable Plan and Sequences.Woodfield Rd at Plaza Dr.dgn



USER NAME = jet  
DESIGNED - LEP  
DRAWN - OJT  
PLOT SCALE = 20.0000' / in.  
CHECKED - JJE  
PLOT DATE = 2/4/2019

REVISD -  
REVISD -  
REVISD -  
DATE - 2/1/2018

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY CABLE PLAN AND SEQUENCES  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	143
CONTRACT NO. 61F10				

ILLINOIS FED. AID PROJECT

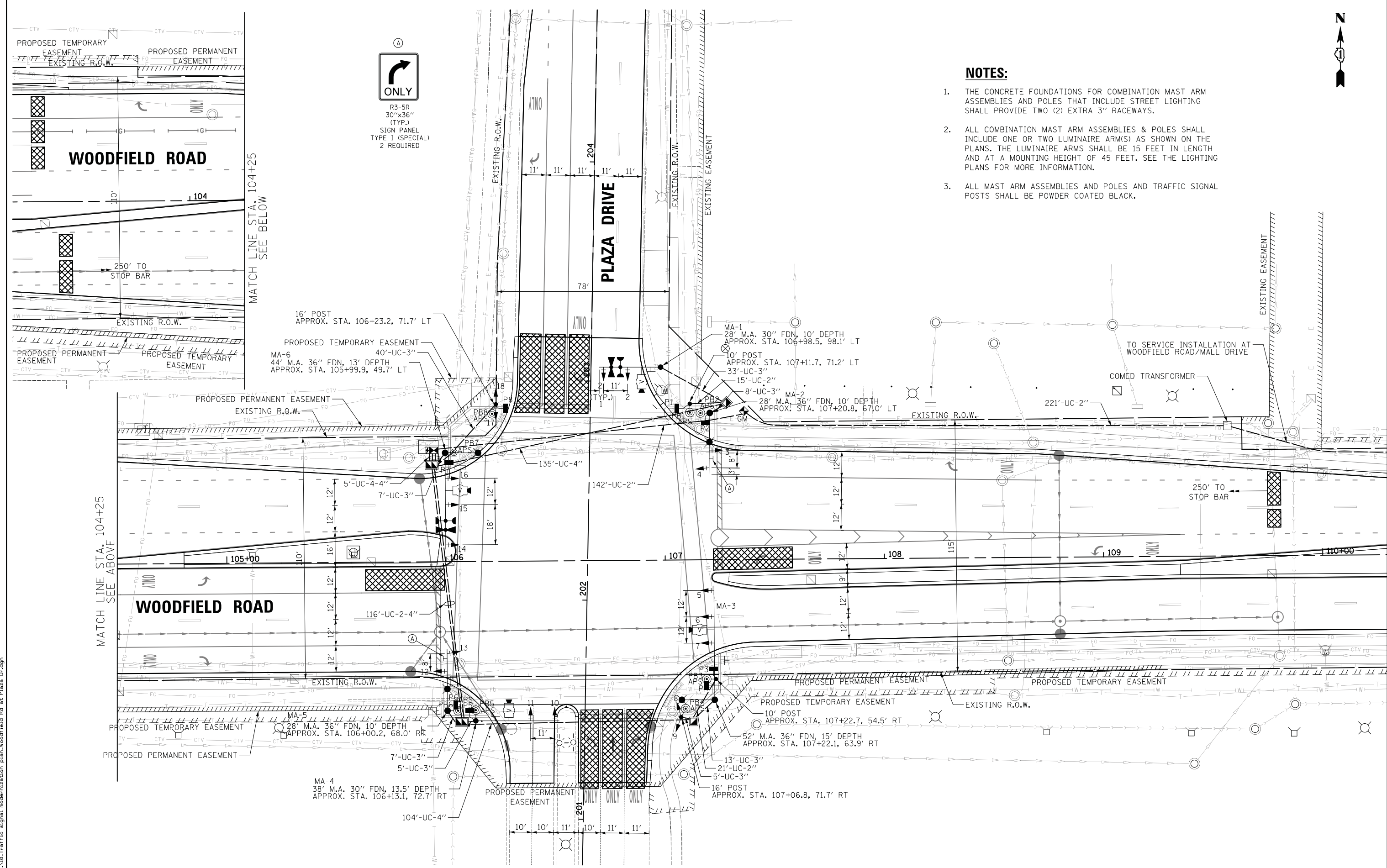


**NOTES:**

1. THE CONCRETE FOUNDATIONS FOR COMBINATION MAST ARM ASSEMBLIES AND POLES THAT INCLUDE STREET LIGHTING SHALL PROVIDE TWO (2) EXTRA 3" RACEWAYS.
2. ALL COMBINATION MAST ARM ASSEMBLIES & POLES SHALL INCLUDE ONE OR TWO LUMINAIRE ARM(S) AS SHOWN ON THE PLANS. THE LUMINAIRE ARMS SHALL BE 15 FEET IN LENGTH AND AT A MOUNTING HEIGHT OF 45 FEET. SEE THE LIGHTING PLANS FOR MORE INFORMATION.
3. ALL MAST ARM ASSEMBLIES AND POLES AND TRAFFIC SIGNAL POSTS SHALL BE POWDER COATED BLACK.



R3-5R  
30"x36"  
(TYP.)  
SIGN PANEL  
TYPE 1 (SPECIAL)  
2 REQUIRED



FILE NAME = ...\\B.Traffic signal modernization plan.Woodfield Rd at Plaza Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

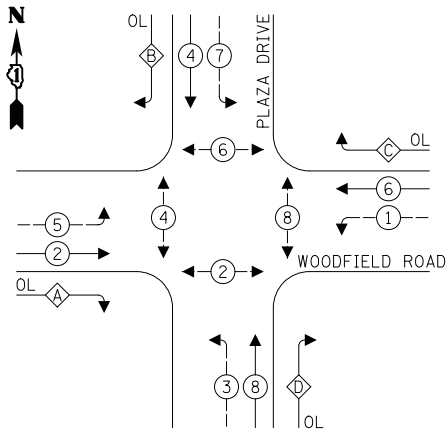
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TRAFFIC SIGNAL MODERNIZATION PLAN  
WOODFIELD ROAD AND PLAZA DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	144
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**PROPOSED CONTROLLER SEQUENCE**



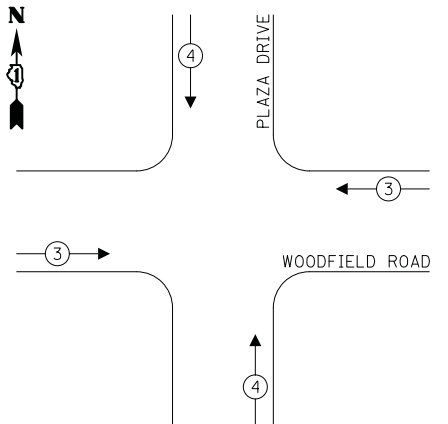
**LEGEND:**

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ ← PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1

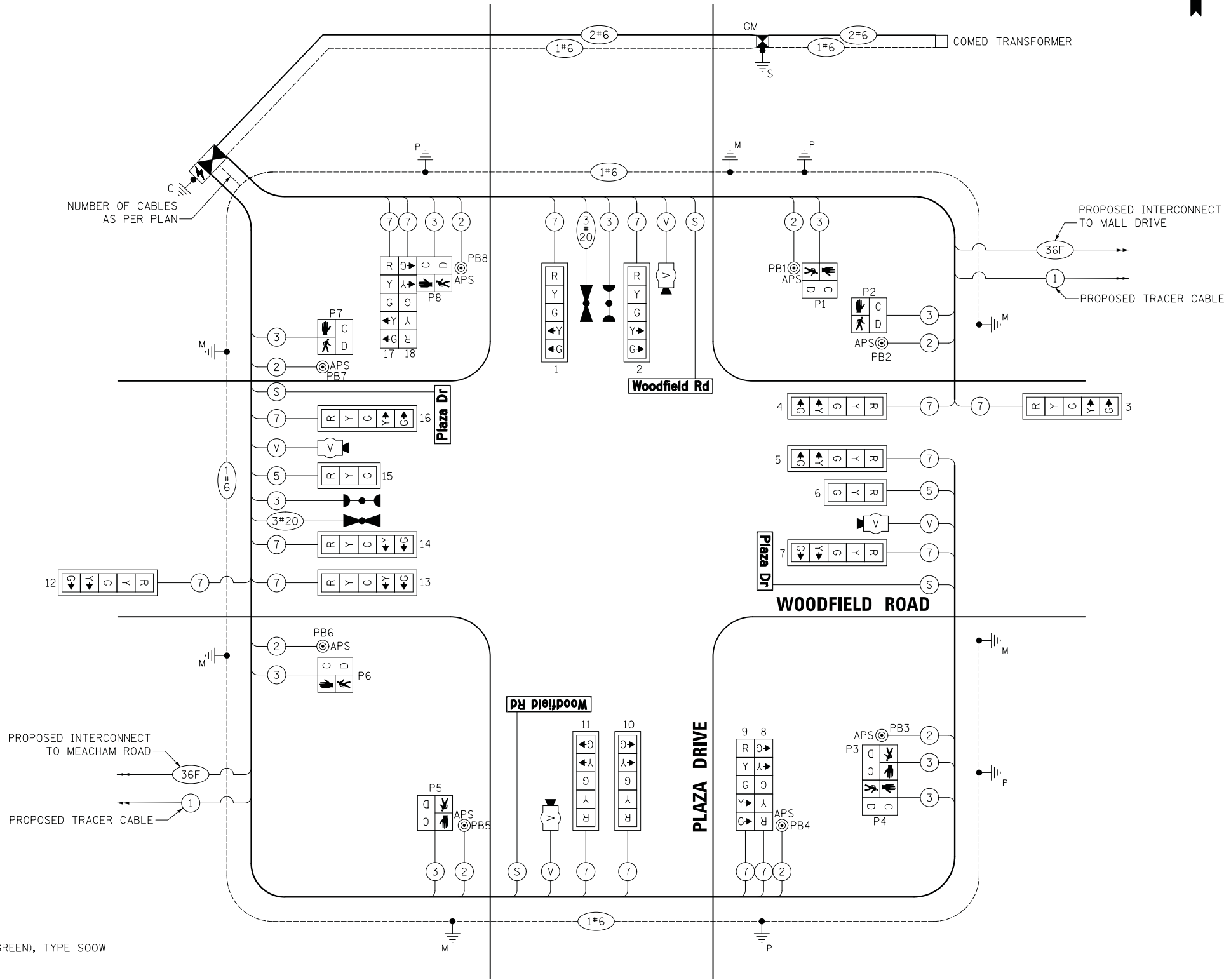
**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PROT-PERM ARROW	32	10	10	32.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>921.2</b>

ENERGY COSTS TO:  
 VILLAGE OF SCHAUMBURG  
 101 SCHAUMBURG COURT  
 SCHAUMBURG, IL 60193  
 ENERGY SUPPLY: CONTACT: TRACY WASH  
 PHONE: (630) 691-4691  
 COMPANY: COMED  
 ACCOUNT NUMBER: 0245068017



**LEGEND:**

- (S) NO. 14 3/C (BLACK, WHITE, GREEN), TYPE S00W

FILE NAME = ...19\_Cable Plan and Sequences-Woodfield Rd at Plaza Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

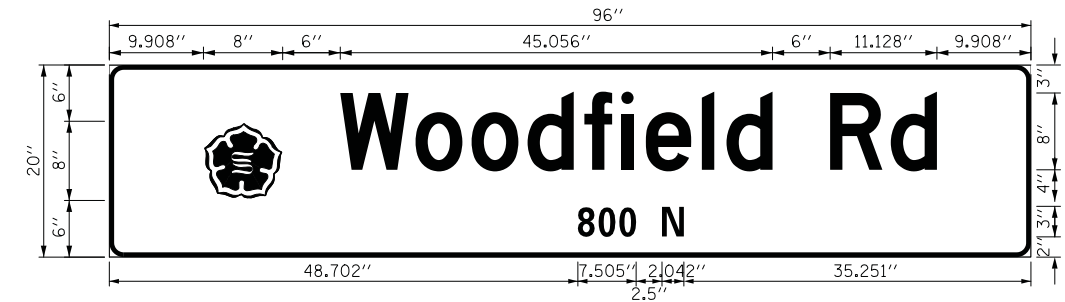
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
 CABLE PLAN AND SEQUENCES  
 WOODFIELD ROAD AND PLAZA DRIVE**  
 SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. TO STA.

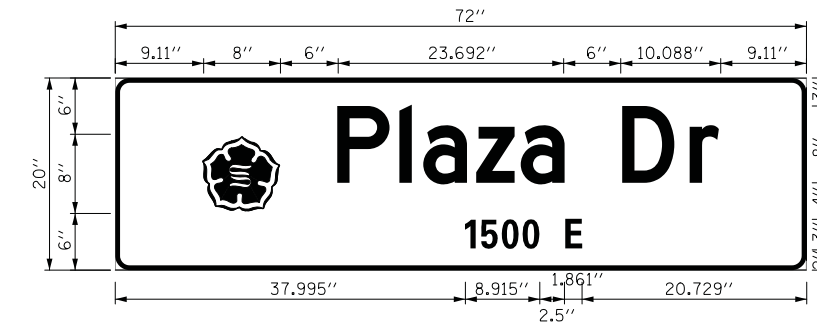
MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 145
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

## SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	399
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	118
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	491
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	2
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1396
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1793
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	417
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3326
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	393
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1199
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	12
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	12
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	341
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	15
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
CABLE, SPECIAL	FOOT	790
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	13.3	LED SNS	ZZ	2 (TWO SIDED)



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	10	LED SNS	ZZ	2 (TWO SIDED)

FILE NAME = ...194\_SNS and S02\_Woodfield Rd at Plaza Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD</b>		MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>SCHEDULE OF QUANTITIES AND ILLUMINATED STREET NAME SIGNS</b>		3073	14-00114-02-PV	COOK	246	146
<b>WOODFIELD ROAD AND PLAZA DRIVE</b>		CONTRACT NO. 61F10				
SCALE: NO SCALE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

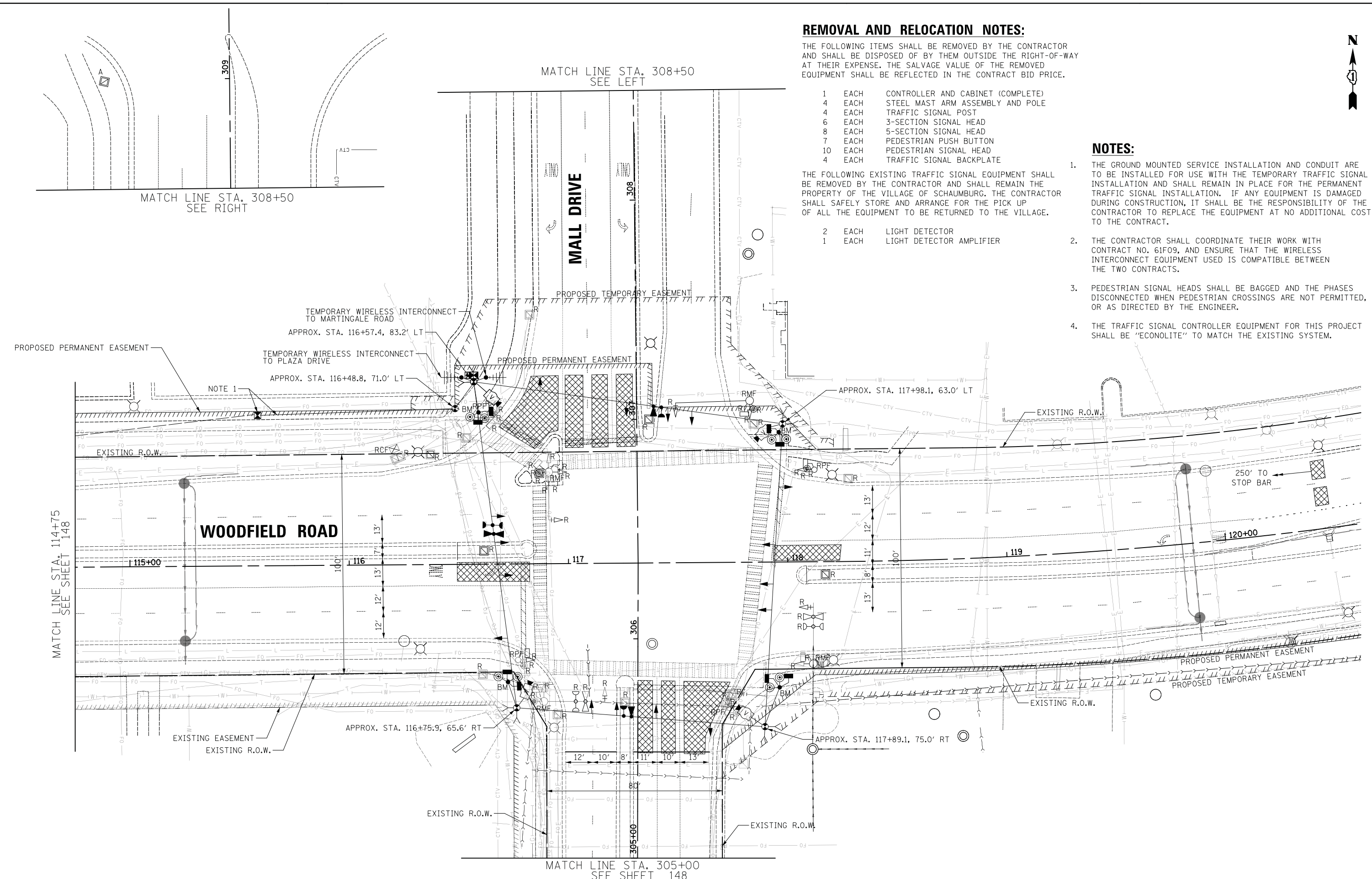
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 7 EACH PEDESTRIAN PUSH BUTTON
- 10 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF SCHAUMBURG. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE VILLAGE.

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

**NOTES:**

1. THE GROUND MOUNTED SERVICE INSTALLATION AND CONDUIT ARE TO BE INSTALLED FOR USE WITH THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND SHALL REMAIN IN PLACE FOR THE PERMANENT TRAFFIC SIGNAL INSTALLATION. IF ANY EQUIPMENT IS DAMAGED DURING CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE THE EQUIPMENT AT NO ADDITIONAL COST TO THE CONTRACT.
2. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH CONTRACT NO. 61F09, AND ENSURE THAT THE WIRELESS INTERCONNECT EQUIPMENT USED IS COMPATIBLE BETWEEN THE TWO CONTRACTS.
3. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
4. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...201.Temporary Traffic signal installation and Removal plan.Woodfield Rd at Mall Dr. Sht. 1 of 2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
WOODFIELD ROAD AND MALL DRIVE**

SCALE: 1" = 20'    SHEET 1 OF 2 SHEETS    STA.    TO STA.

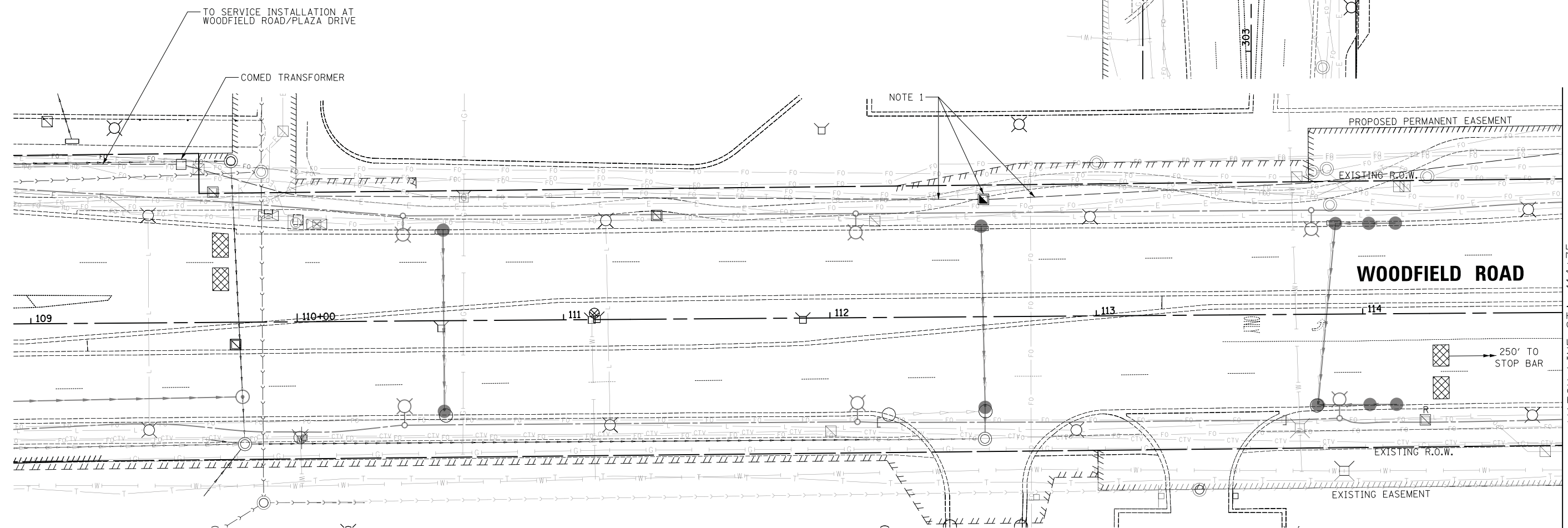
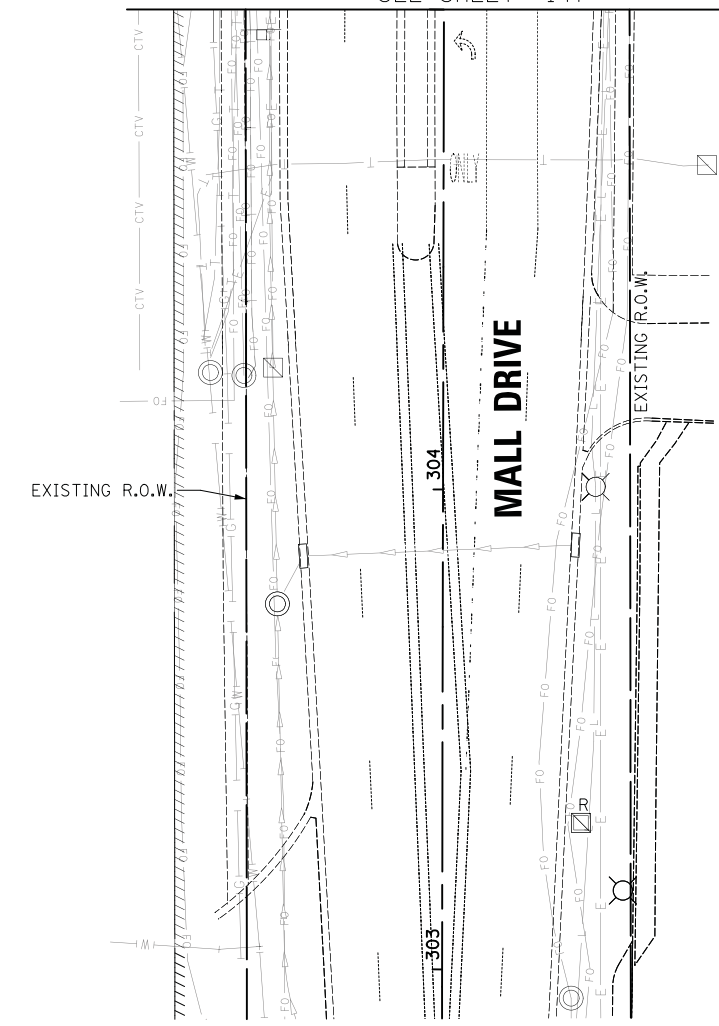
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	147
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 305+00  
SEE SHEET 147



**NOTES:**

1. THIS HANDHOLE AND CONDUIT ARE TO BE INSTALLED FOR USE WITH THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND SHALL REMAIN IN PLACE FOR THE PERMANENT TRAFFIC SIGNAL INSTALLATION. IF ANY EQUIPMENT IS DAMAGED DURING CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE THE EQUIPMENT AT NO ADDITIONAL COST TO THE CONTRACT.
2. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH CONTRACT NO. 61F09, AND ENSURE THAT THE WIRELESS INTERCONNECT EQUIPMENT USED IS COMPATIBLE BETWEEN THE TWO CONTRACTS.
3. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
4. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



FILE NAME = ...202\_Temporary Traffic signal Installation and Removal plan\_Woodfield Rd at Mall Dr\_Sht. 2 of 2.dgn

MATCH LINE STA. 114+75  
SEE SHEET 147



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

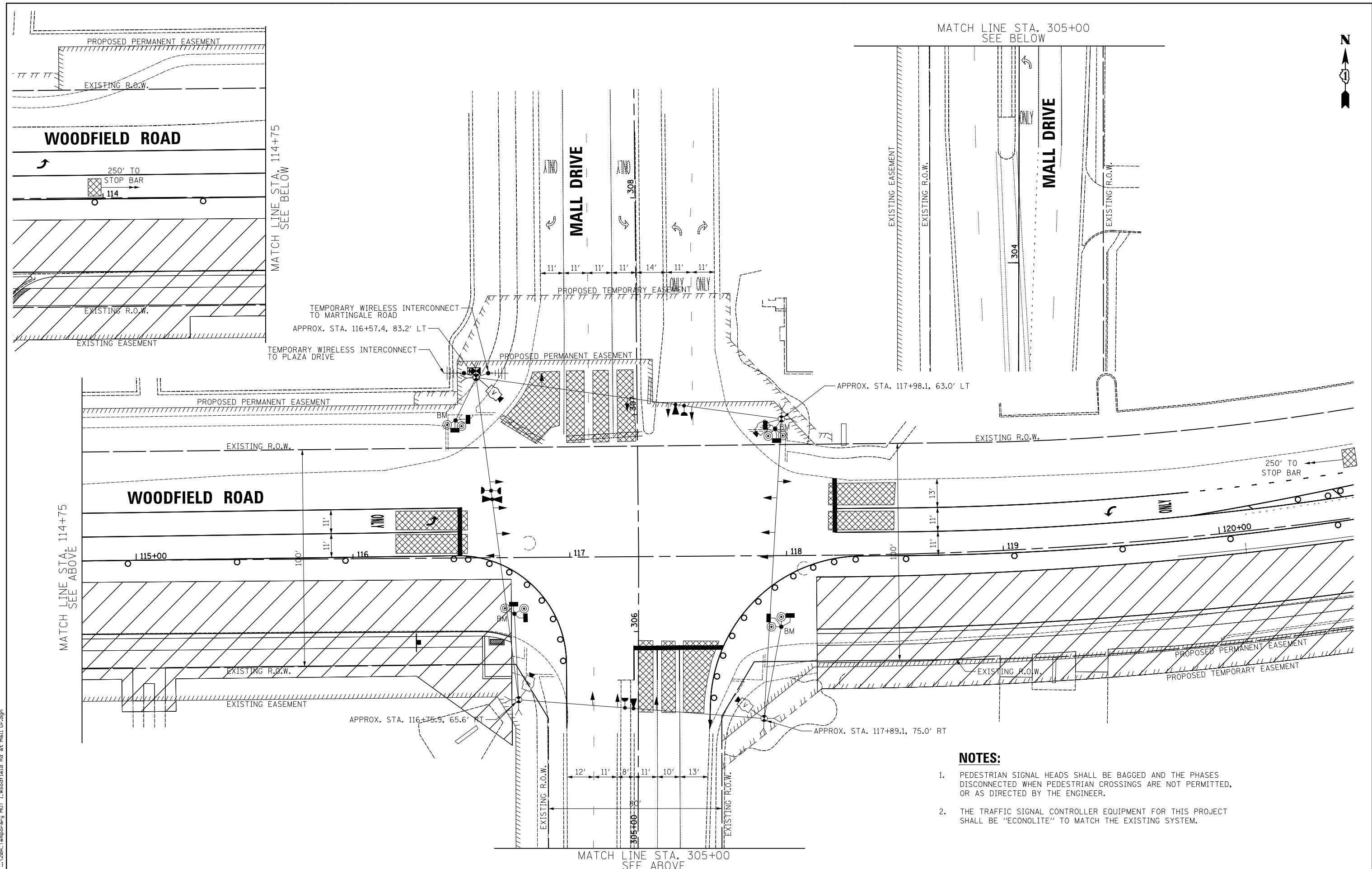
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
WOODFIELD ROAD AND MALL DRIVE**

SCALE: 1" = 20'    SHEET 2 OF 2 SHEETS    STA.    TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	148
CONTRACT NO. 61F10			ILLINOIS FED. AID PROJECT	

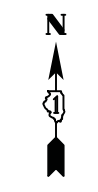


FILE NAME = ...206A\_Temporary\_MDT\_1\_Woodfield\_Rd\_at\_Mall\_Dr.dgn



MATCH LINE STA. 305+00  
SEE BELOW

MATCH LINE STA. 114+75  
SEE ABOVE



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

MATCH LINE STA. 305+00  
SEE ABOVE



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

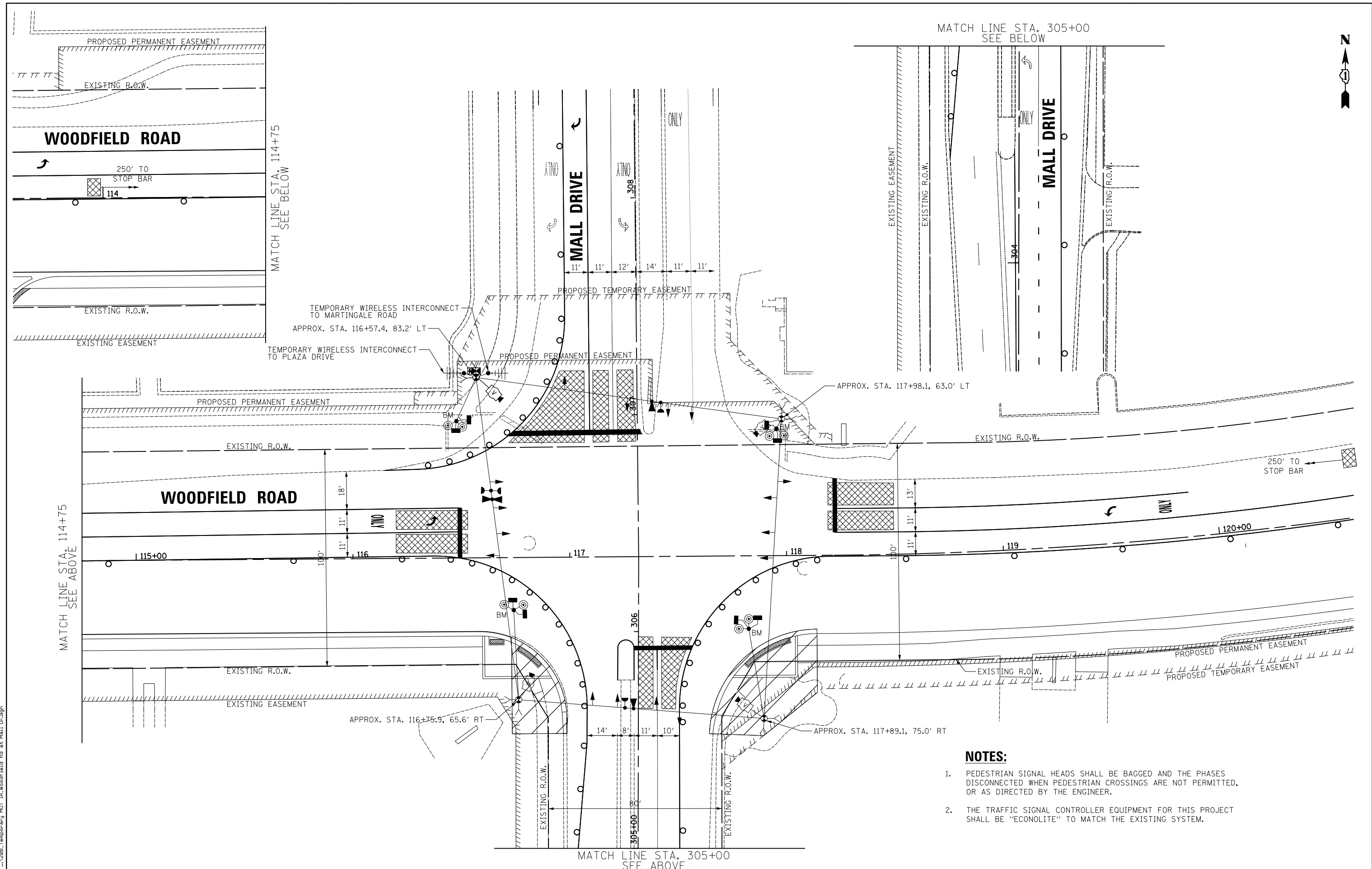
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1  
WOODFIELD ROAD AND MALL DRIVE**

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

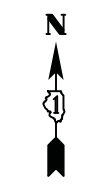
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	149
<b>CONTRACT NO. 61F10</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = ...208\_Temporary\_MDT\_1A\_Woodfield.Rd.et.Mall.Dr.dgn



MATCH LINE STA. 305+00  
SEE BELOW

MATCH LINE STA. 114+75  
SEE ABOVE



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

MATCH LINE STA. 305+00  
SEE ABOVE



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

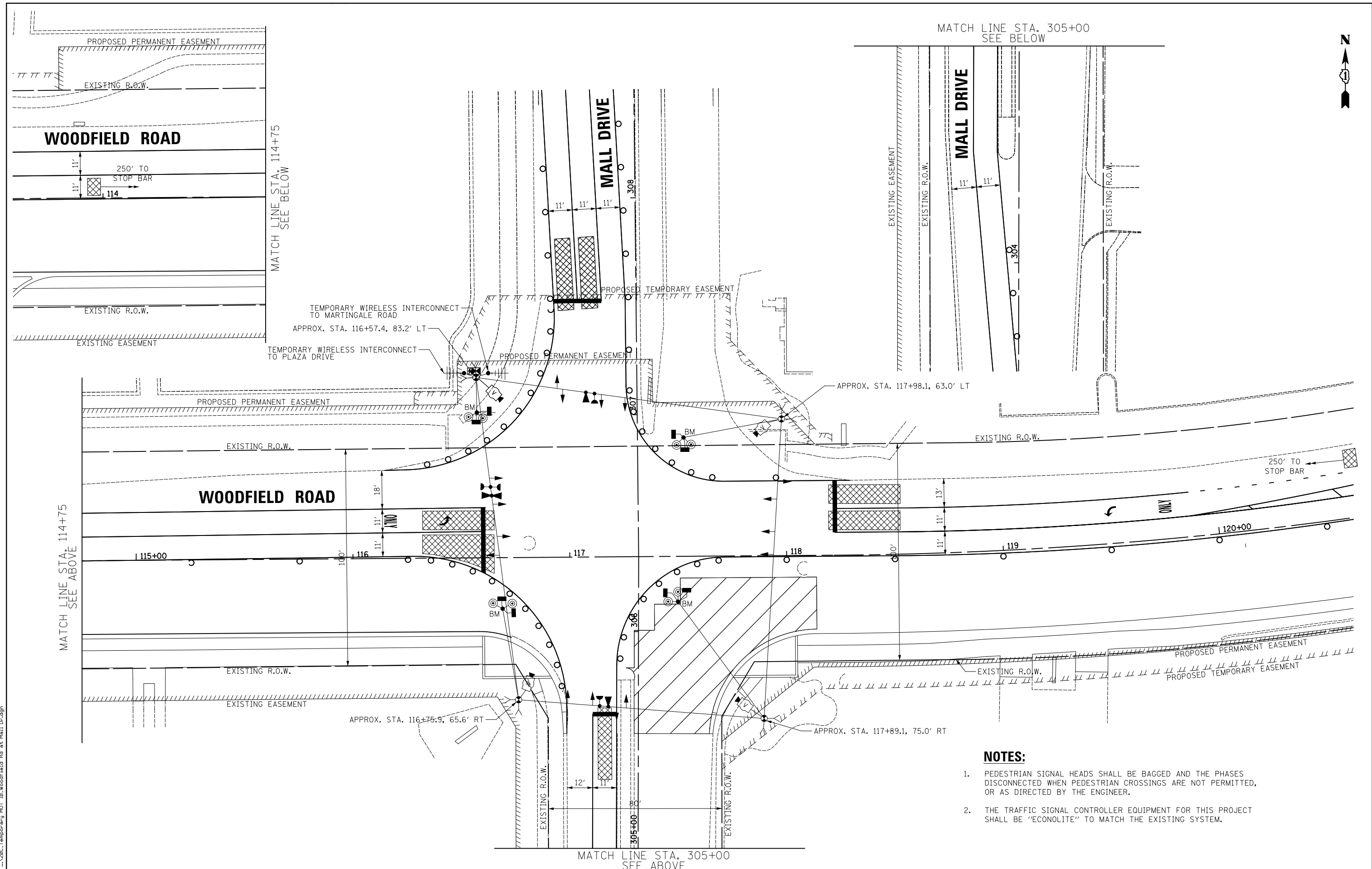
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A  
WOODFIELD ROAD AND MALL DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	150
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 305+00  
SEE BELOW



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

MATCH LINE STA. 305+00  
SEE ABOVE

FILE NAME = ...286\_Temporary MDT 1B.Woodfield Rd at Mall Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

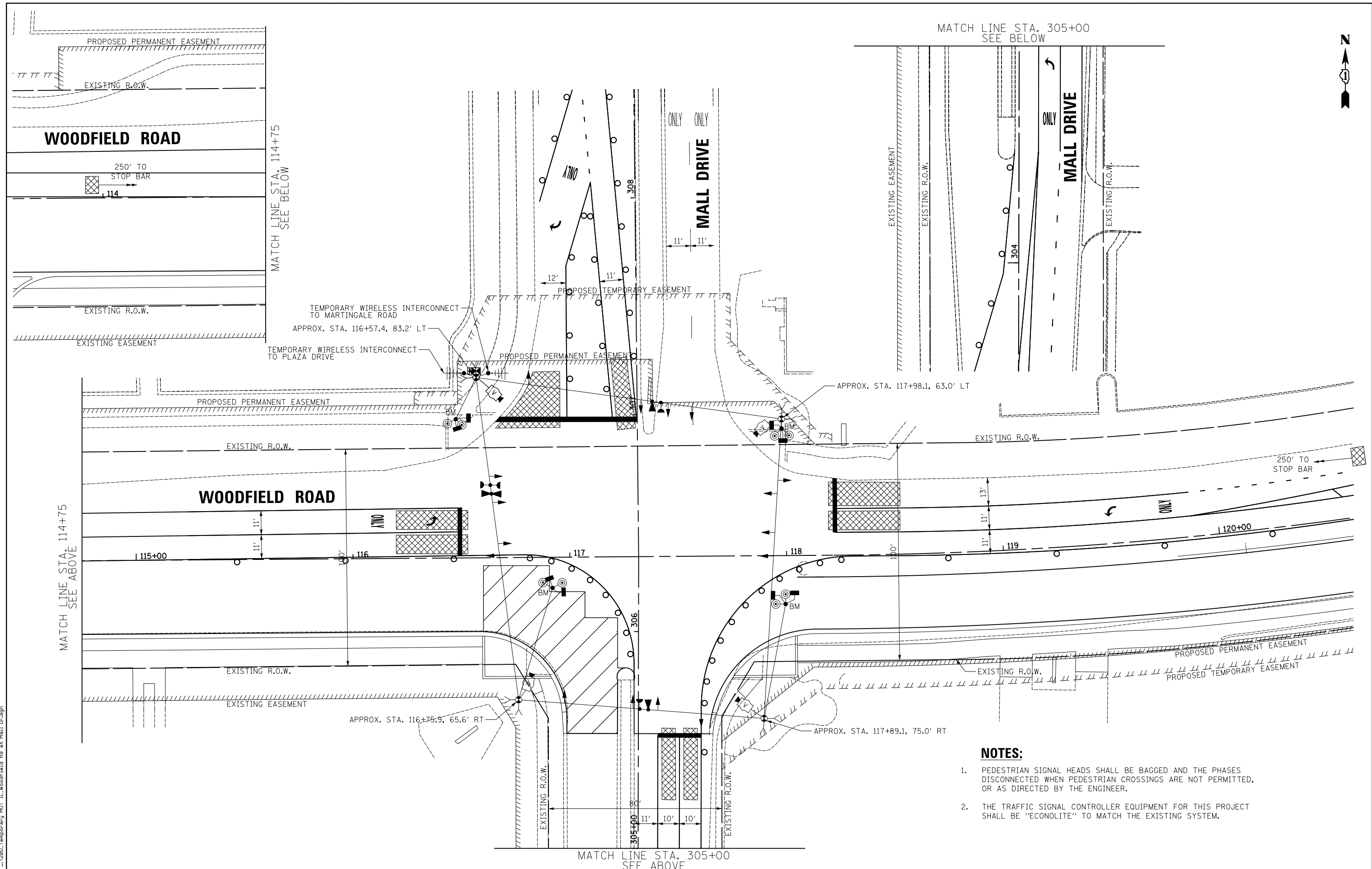
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B  
WOODFIELD ROAD AND MALL DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	151
			CONTRACT NO. 61F10	
ILLINOIS FED. AID PROJECT				

FILE NAME = ...200\_Temporary\_MDT\_IC\_Woodfield.Rd.et.Mall.Dr.dgn



- NOTES:**
- PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
  - THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

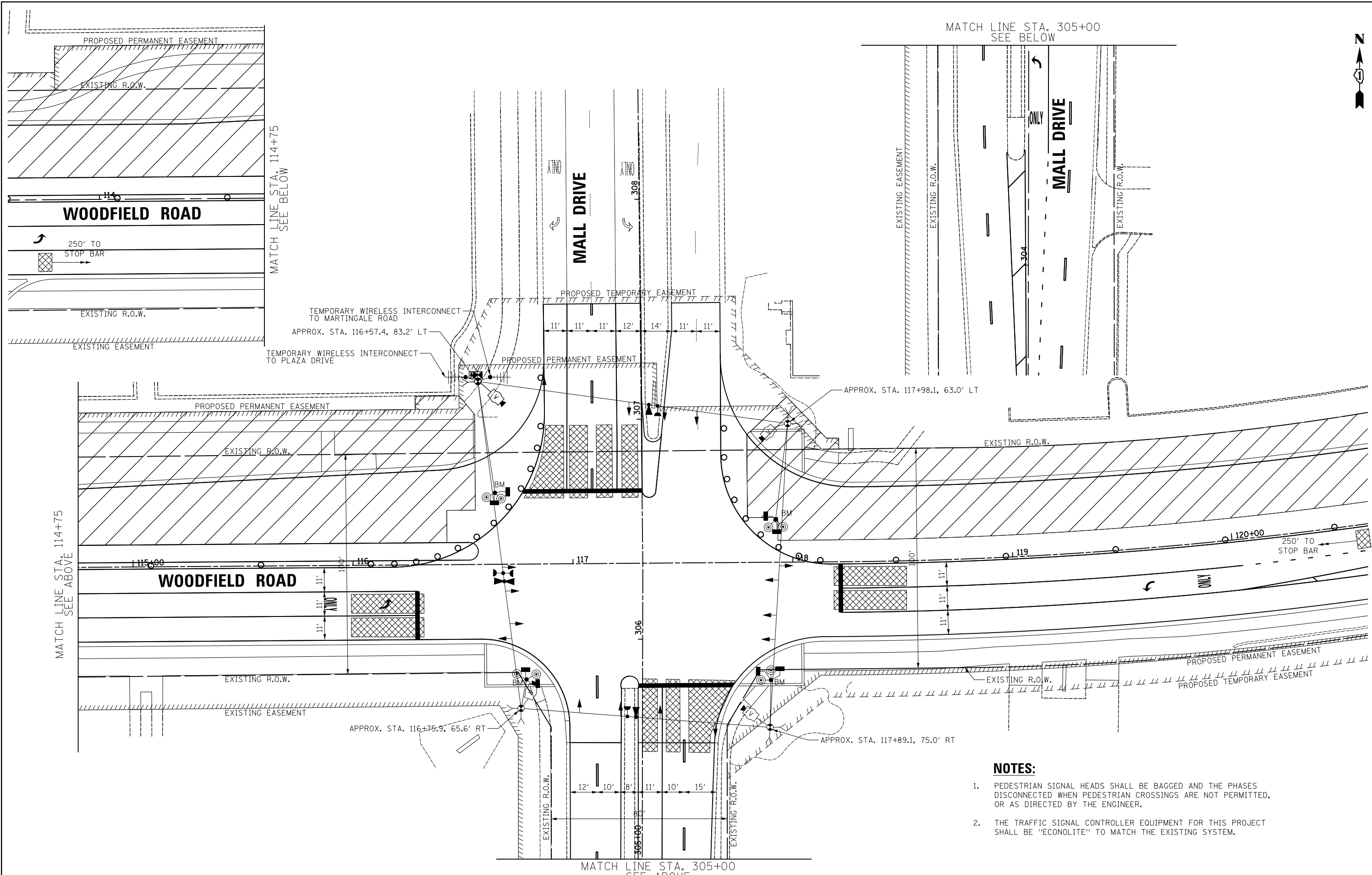
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1C  
WOODFIELD ROAD AND MALL DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	152
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 305+00  
SEE BELOW



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

MATCH LINE STA. 305+00  
SEE ABOVE

FILE NAME = ...20E\_Temporary\_MDT\_2\_Woodfield\_Rd\_at\_Mall\_Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

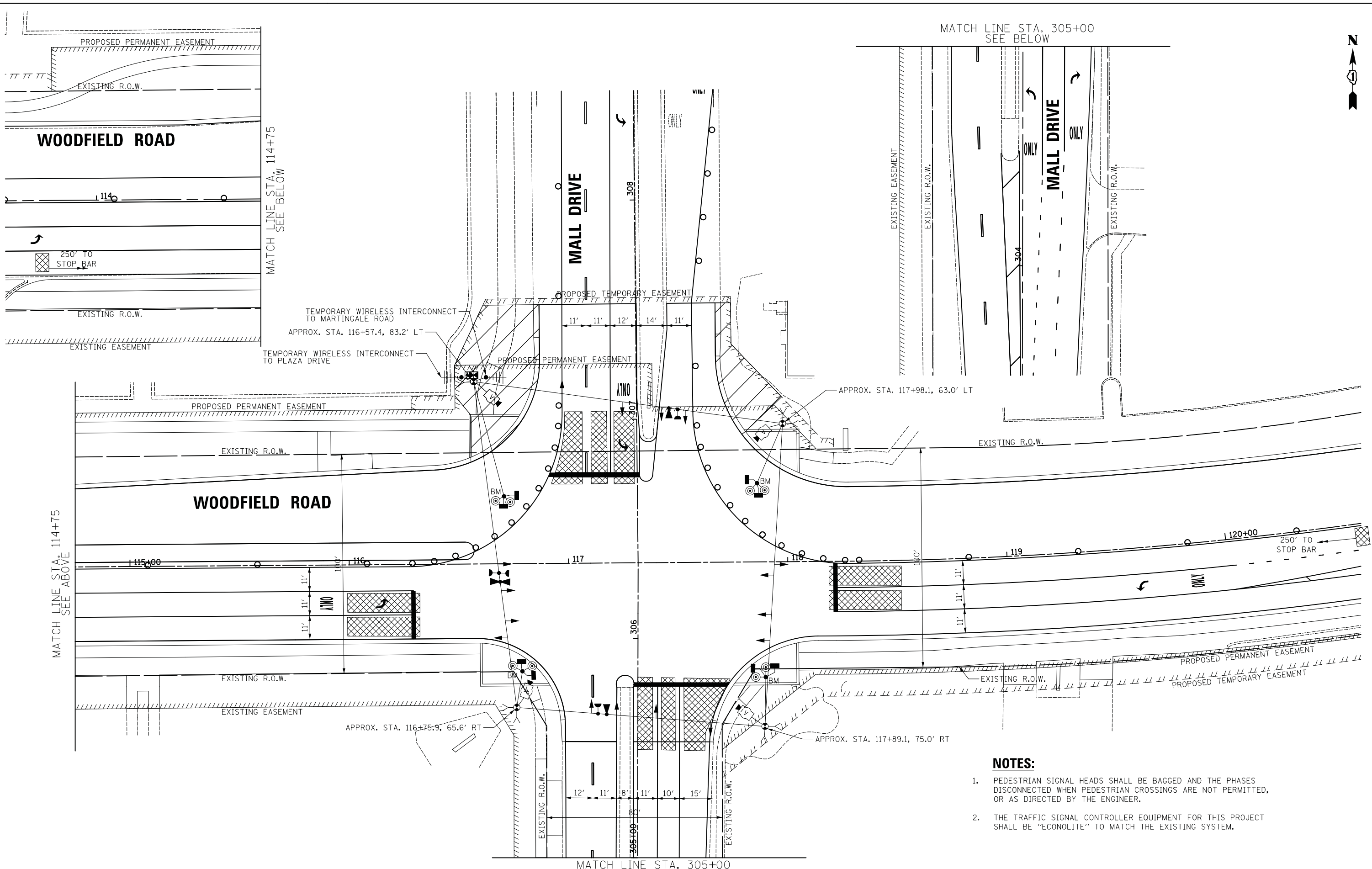
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2  
WOODFIELD ROAD AND MALL DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	154
				CONTRACT NO. 61F10

ILLINOIS FED. AID PROJECT

MATCH LINE STA. 305+00  
SEE BELOW



MATCH LINE STA. 114+75  
SEE BELOW

MATCH LINE STA. 114+75  
SEE ABOVE

MATCH LINE STA. 305+00  
SEE ABOVE

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...208\_Temporary\_MDT\_2A\_Woodfield\_Rd\_at\_Mall\_Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

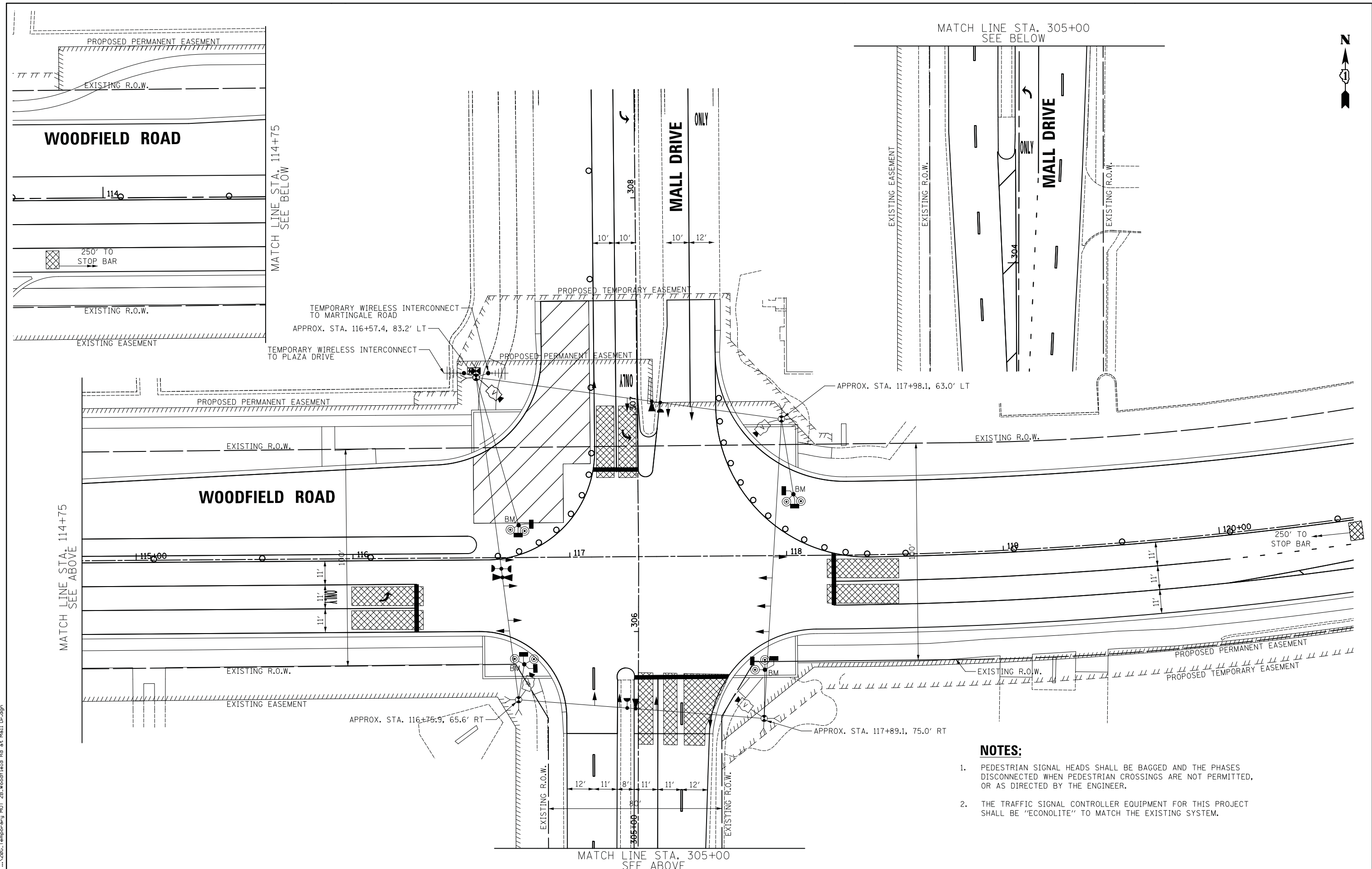
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A  
WOODFIELD ROAD AND MALL DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	155
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

FILE NAME = ...206\_Temporary\_MDT\_2B\_Woodfield Rd at Mall Dr.dgn



MATCH LINE STA. 305+00  
SEE BELOW

MATCH LINE STA. 114+75  
SEE ABOVE

MATCH LINE STA. 305+00  
SEE ABOVE

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

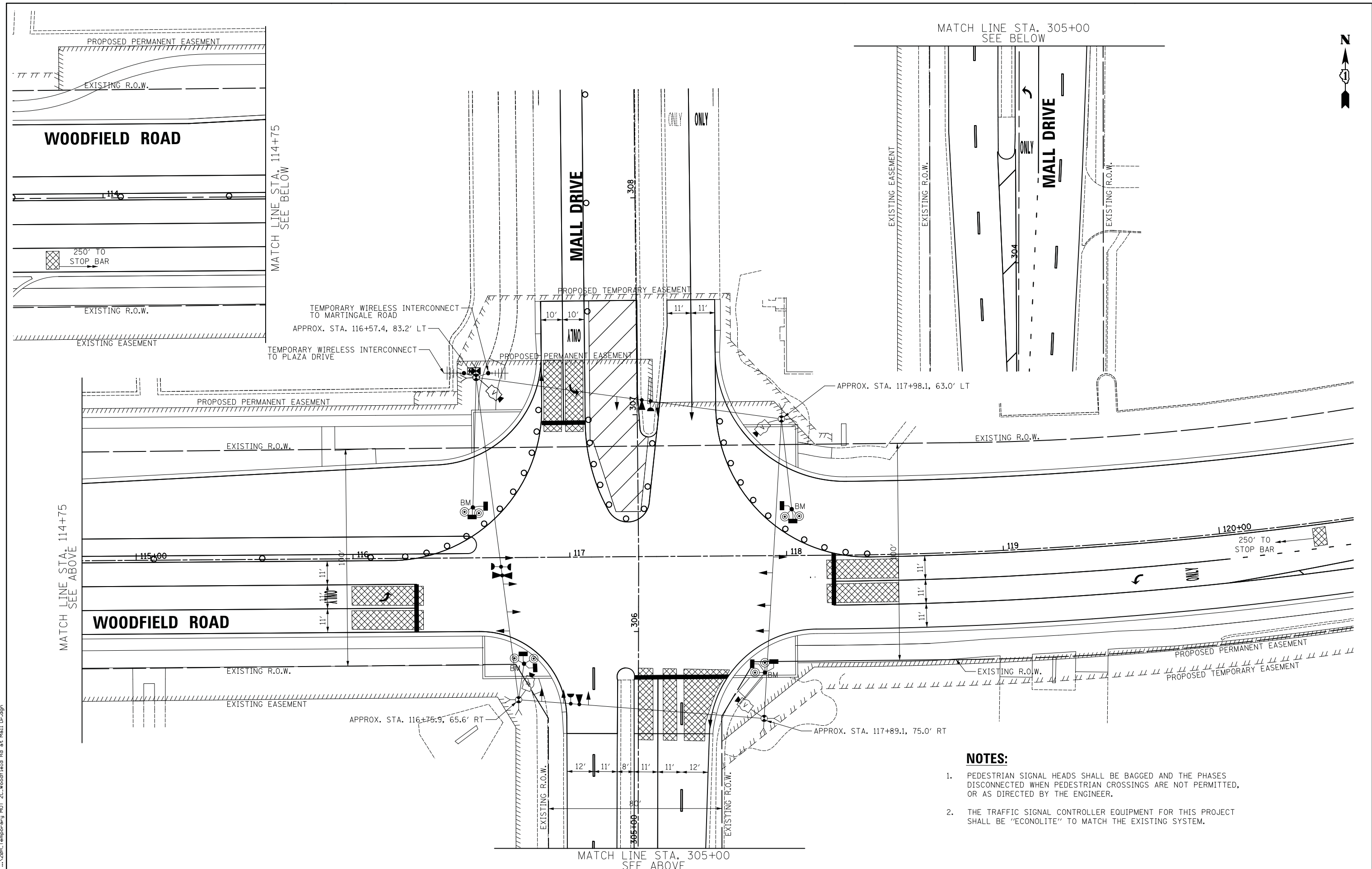
WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2B  
WOODFIELD ROAD AND MALL DRIVE

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	156
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



FILE NAME = ...208\_Temporary\_MDT\_2C\_Woodfield Rd at Mall Dr.dgn



MATCH LINE STA. 305+00  
SEE BELOW

MATCH LINE STA. 114+75  
SEE ABOVE



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

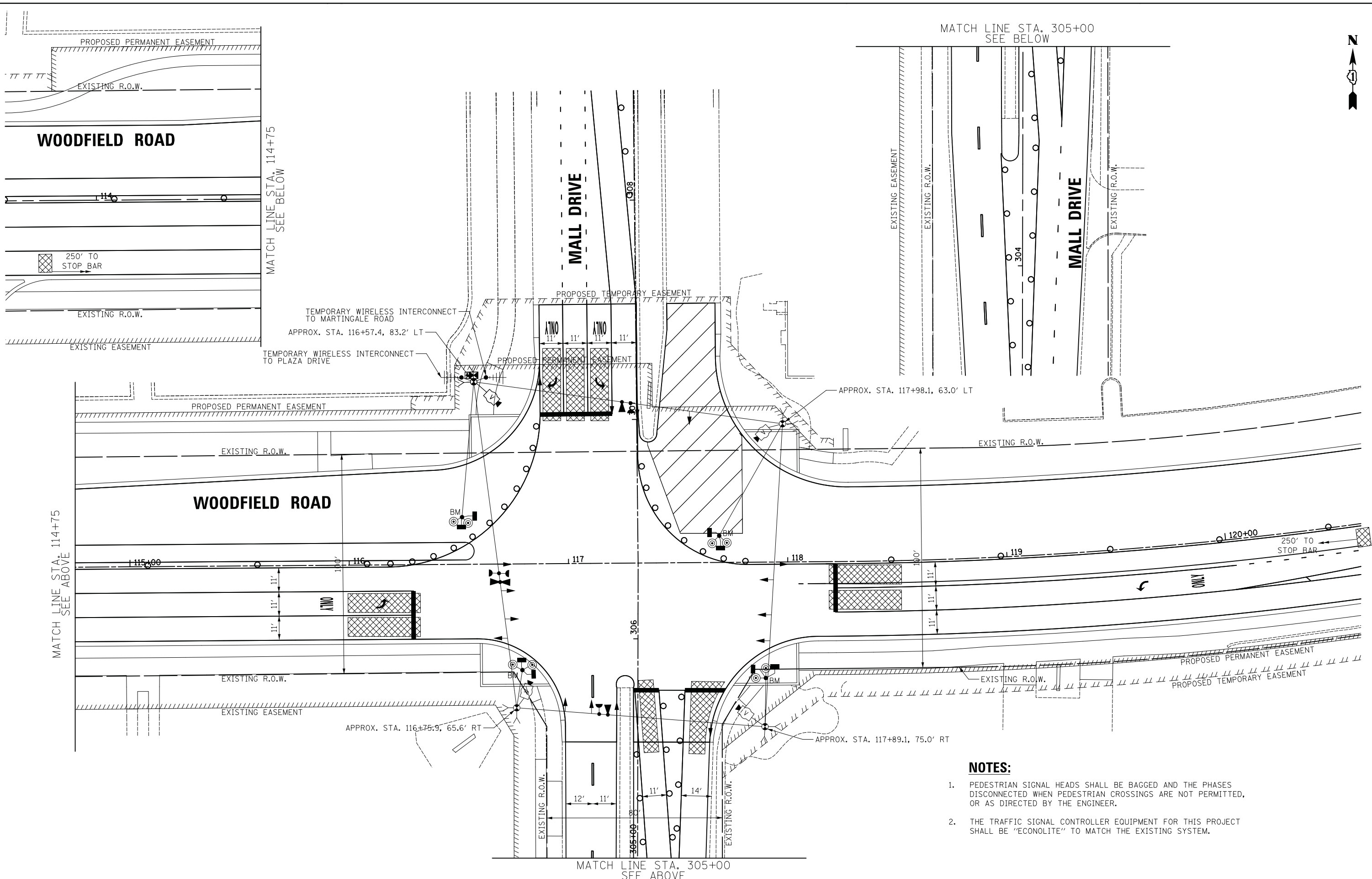
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2C  
WOODFIELD ROAD AND MALL DRIVE

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

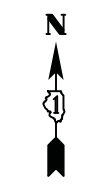
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	157
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

FILE NAME = ...201 Temporary\_MOT\_2D\_Woodfield.Rd.et.Mall.Dr.dgn



MATCH LINE STA. 305+00  
SEE BELOW

MATCH LINE STA. 114+75  
SEE ABOVE



**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

MATCH LINE STA. 305+00  
SEE ABOVE



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

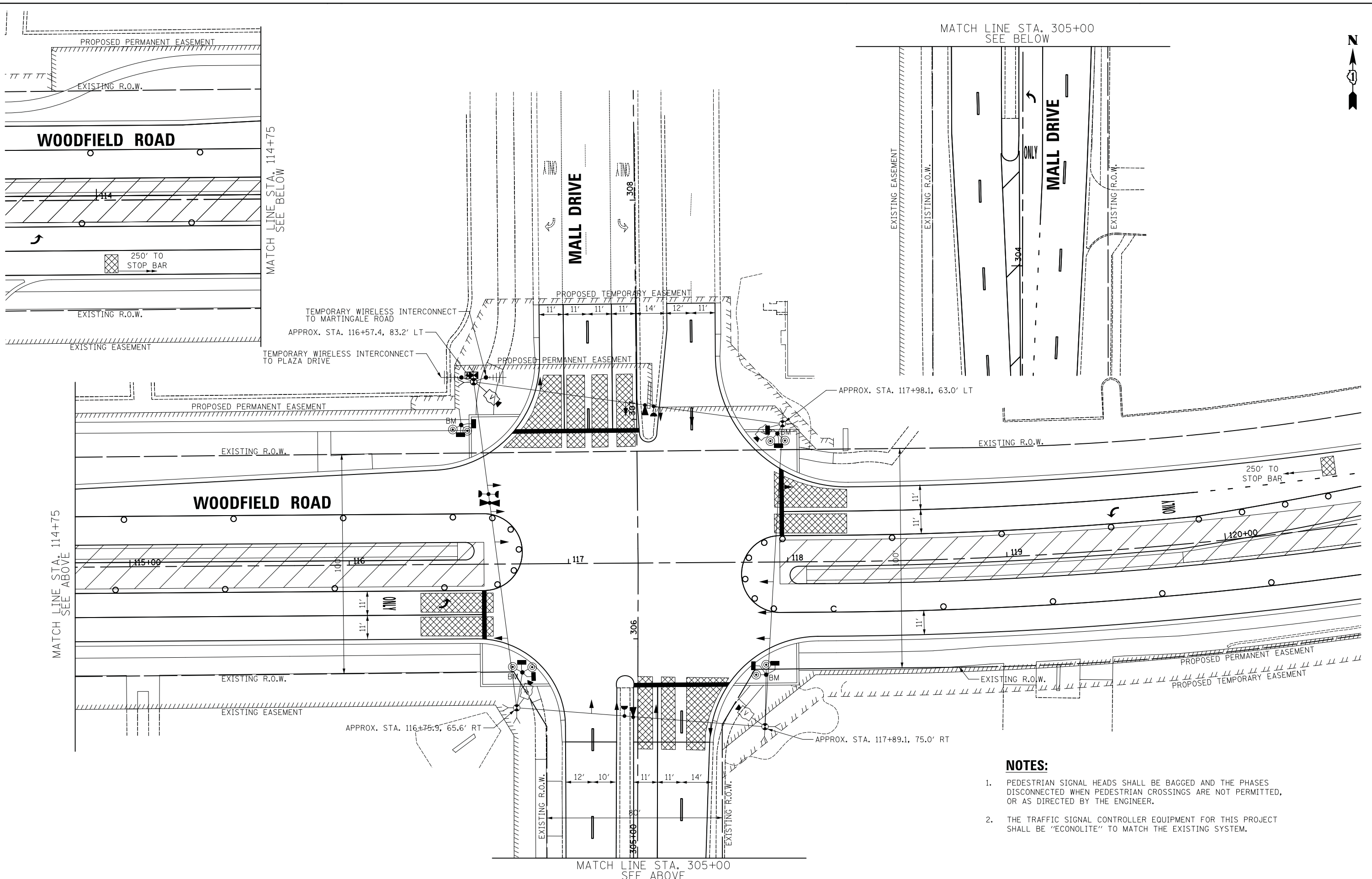
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2D  
WOODFIELD ROAD AND MALL DRIVE**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	158
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 305+00  
SEE BELOW



MATCH LINE STA. 114+75  
SEE BELOW

MATCH LINE STA. 114+75  
SEE ABOVE

MATCH LINE STA. 305+00  
SEE ABOVE

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.

FILE NAME = ...26J\_Temporary\_MDT\_3\_Woodfield\_Rd\_at\_Mall\_Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

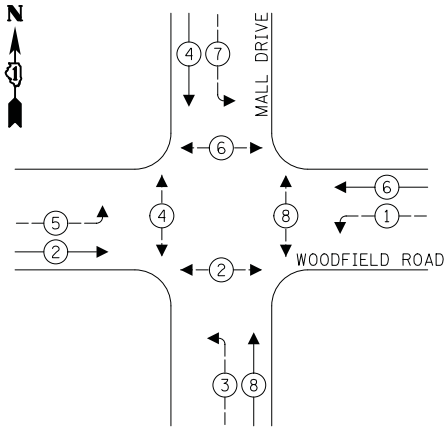
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3  
WOODFIELD ROAD AND MALL DRIVE**

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

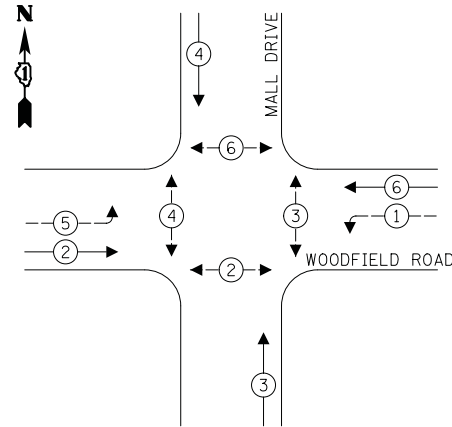
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	159
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**PROPOSED TEMPORARY CONTROLLER SEQUENCE**

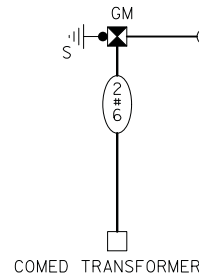


**PROPOSED TEMPORARY CONTROLLER SEQUENCE STAGES 1B, 1C, 2C, 2D**

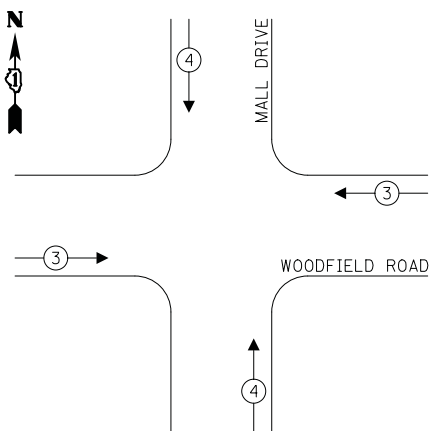


**LEGEND:**

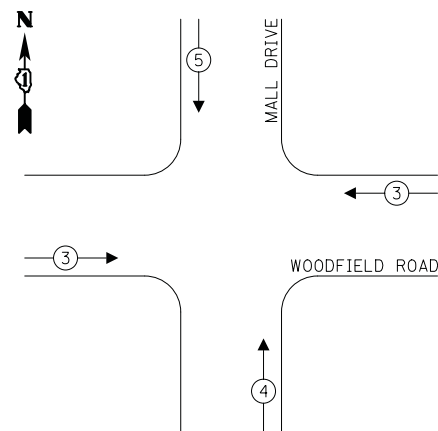
- ← ⊛ — PROTECTED PHASE
- ← ⊛ — PROTECTED/PERMITTED PHASE
- ← ⊛ — PEDESTRIAN PHASE
- ⊛ OL — OVERLAP



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**

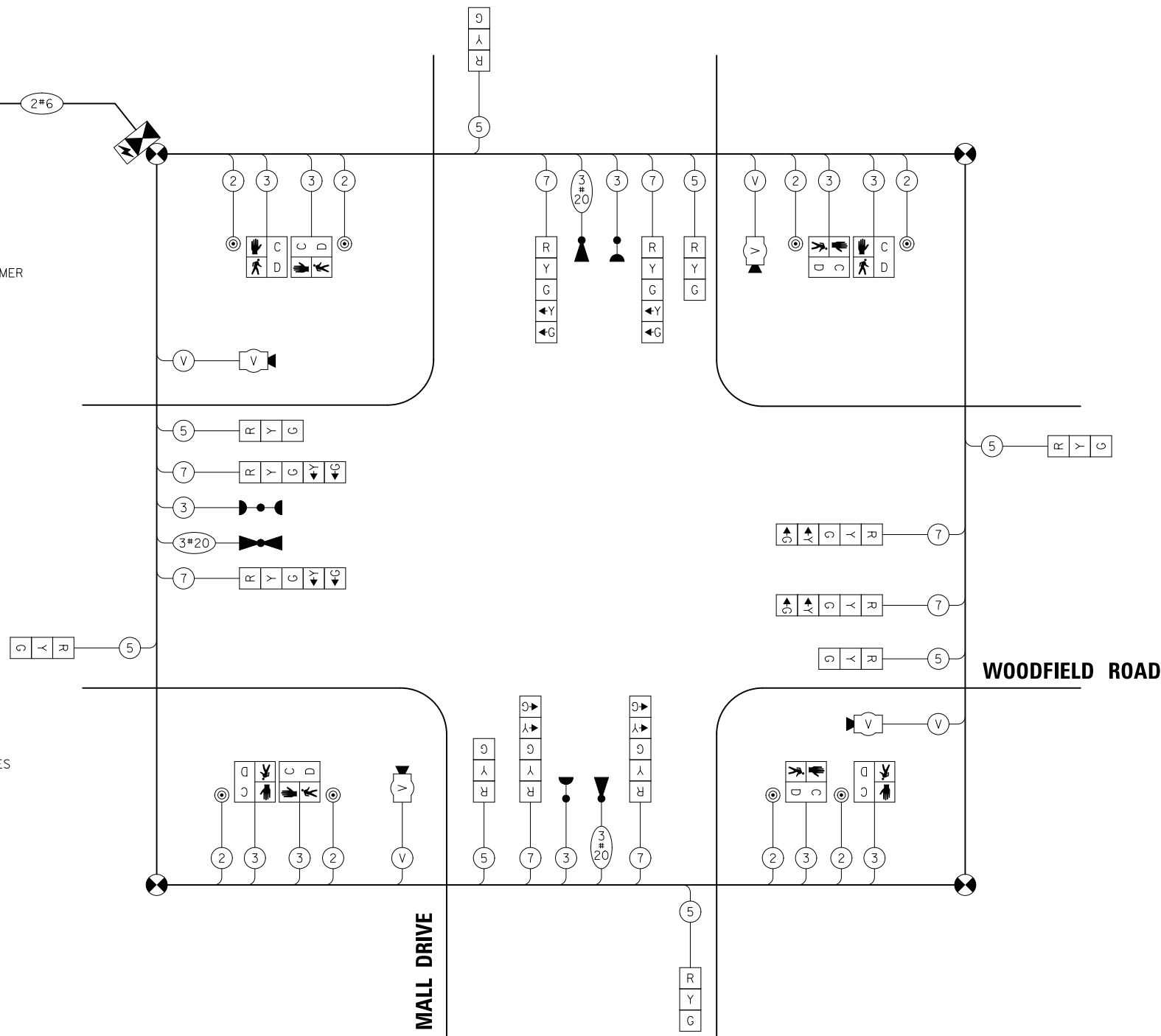


**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE STAGES 1B, 1C, 2C, 2D**



**NOTES:**

1. THE PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED WHEN PEDESTRIAN CROSSINGS ARE NOT PERMITTED, OR AS DIRECTED BY THE ENGINEER.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING SYSTEM.



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				593.8

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG  
101 SCHAUMBURG COURT  
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: TRACY WASH  
PHONE: (630) 691-4691  
COMPANY: COMED  
ACCOUNT NUMBER: 0245068017

FILE NAME = ...\\21.Temporary Cable Plan and Sequences.Woodfield Rd at Mall Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY CABLE PLAN AND SEQUENCES  
WOODFIELD ROAD AND MALL DRIVE**

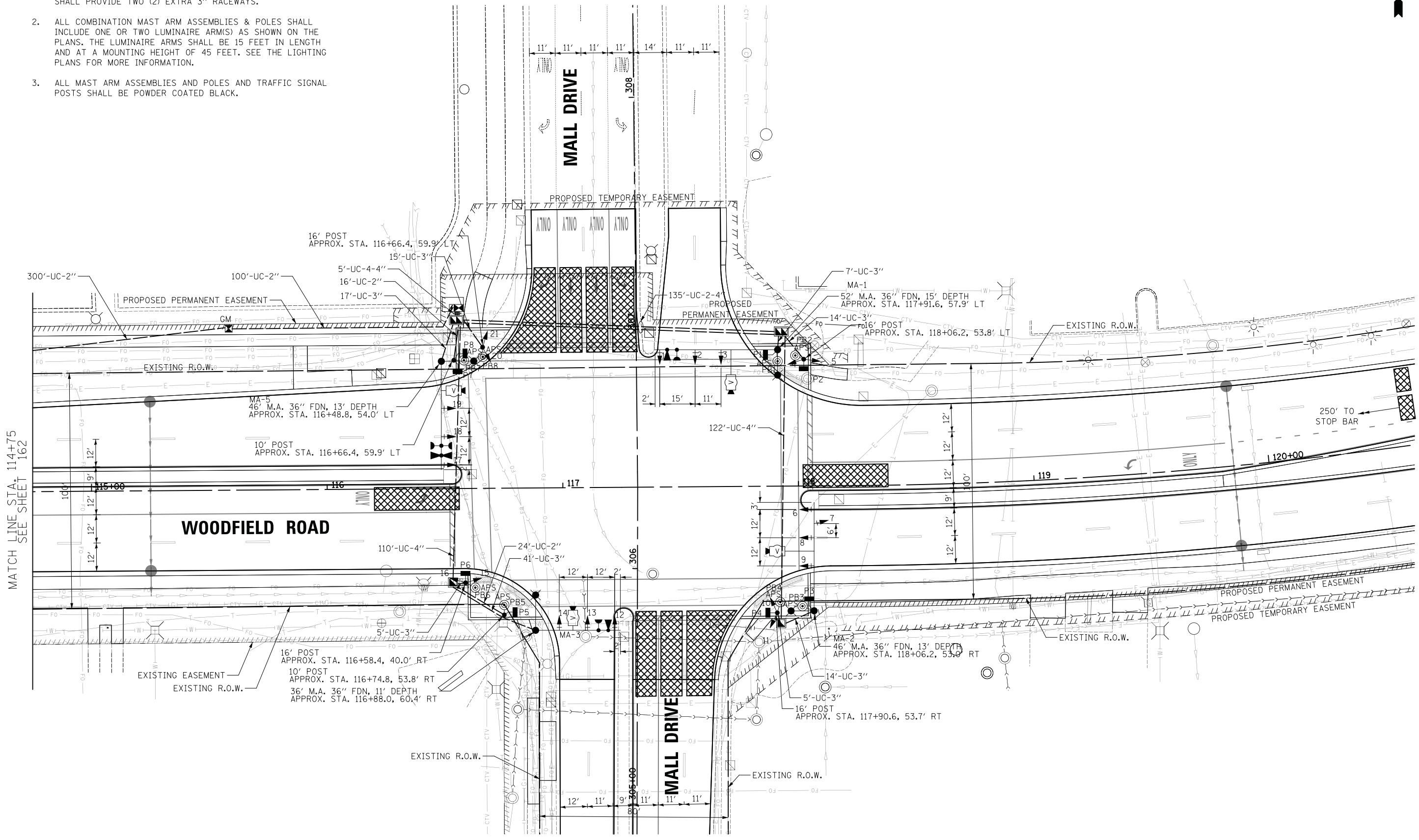
SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	160
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. THE CONCRETE FOUNDATIONS FOR COMBINATION MAST ARM ASSEMBLIES AND POLES THAT INCLUDE STREET LIGHTING SHALL PROVIDE TWO (2) EXTRA 3" RACEWAYS.
2. ALL COMBINATION MAST ARM ASSEMBLIES & POLES SHALL INCLUDE ONE OR TWO LUMINAIRE ARM(S) AS SHOWN ON THE PLANS. THE LUMINAIRE ARMS SHALL BE 15 FEET IN LENGTH AND AT A MOUNTING HEIGHT OF 45 FEET. SEE THE LIGHTING PLANS FOR MORE INFORMATION.
3. ALL MAST ARM ASSEMBLIES AND POLES AND TRAFFIC SIGNAL POSTS SHALL BE POWDER COATED BLACK.



FILE NAME = ...\\22A\_Traffic signal Modernization plan\_Woodfield Rd at Mall Dr\_Sht. 1 of 2.dgn



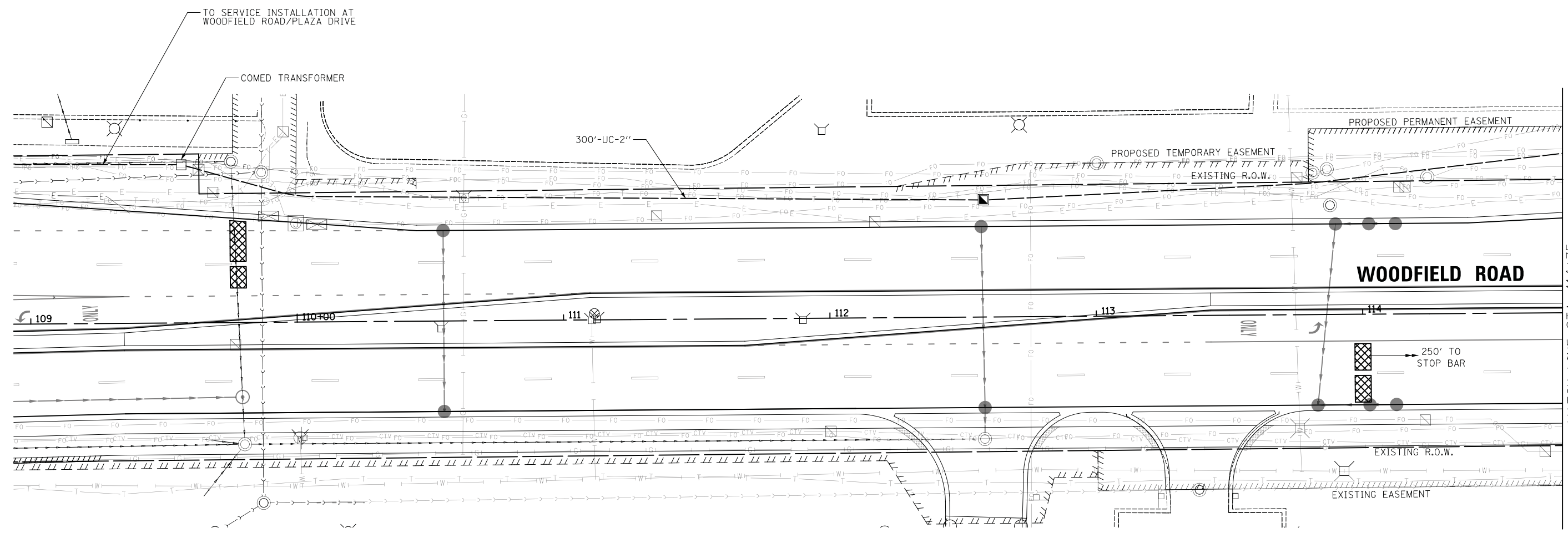
USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TRAFFIC SIGNAL MODERNIZATION PLAN  
WOODFIELD ROAD AND MALL DRIVE**

SCALE: 1" = 20'    SHEET 1 OF 2 SHEETS    STA.    TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	161
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 114+75  
SEE SHEET 161

FILE NAME = ...\\228\_Traffic signal Modernization plan\_Woodfield Rd at Mall Dr\_Sht. 2 of 2.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

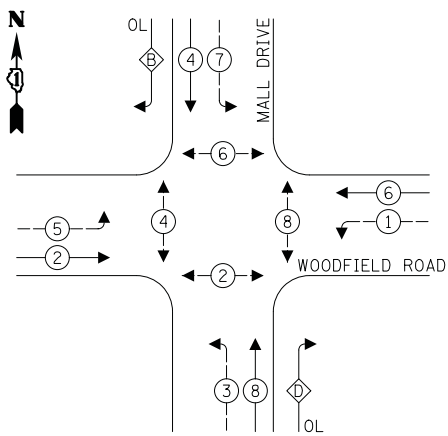
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TRAFFIC SIGNAL MODERNIZATION PLAN  
WOODFIELD ROAD AND MALL DRIVE**

SCALE: 1" = 20'    SHEET 2 OF 2 SHEETS    STA.    TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	162
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

**PROPOSED CONTROLLER SEQUENCE**



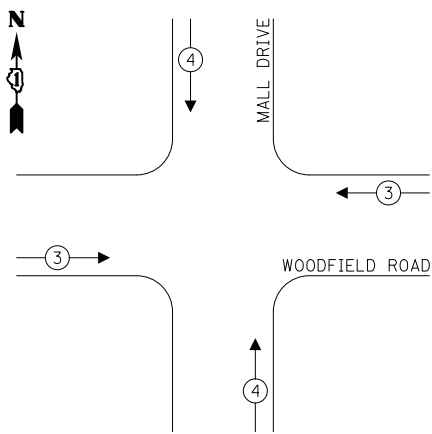
**LEGEND:**

- ← ⊙ → PROTECTED PHASE
- ← ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ⊙ OL OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
D	= 8	+ 1

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	11	50	115.5
(YELLOW)	21	20	5	21.0
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>948.9</b>

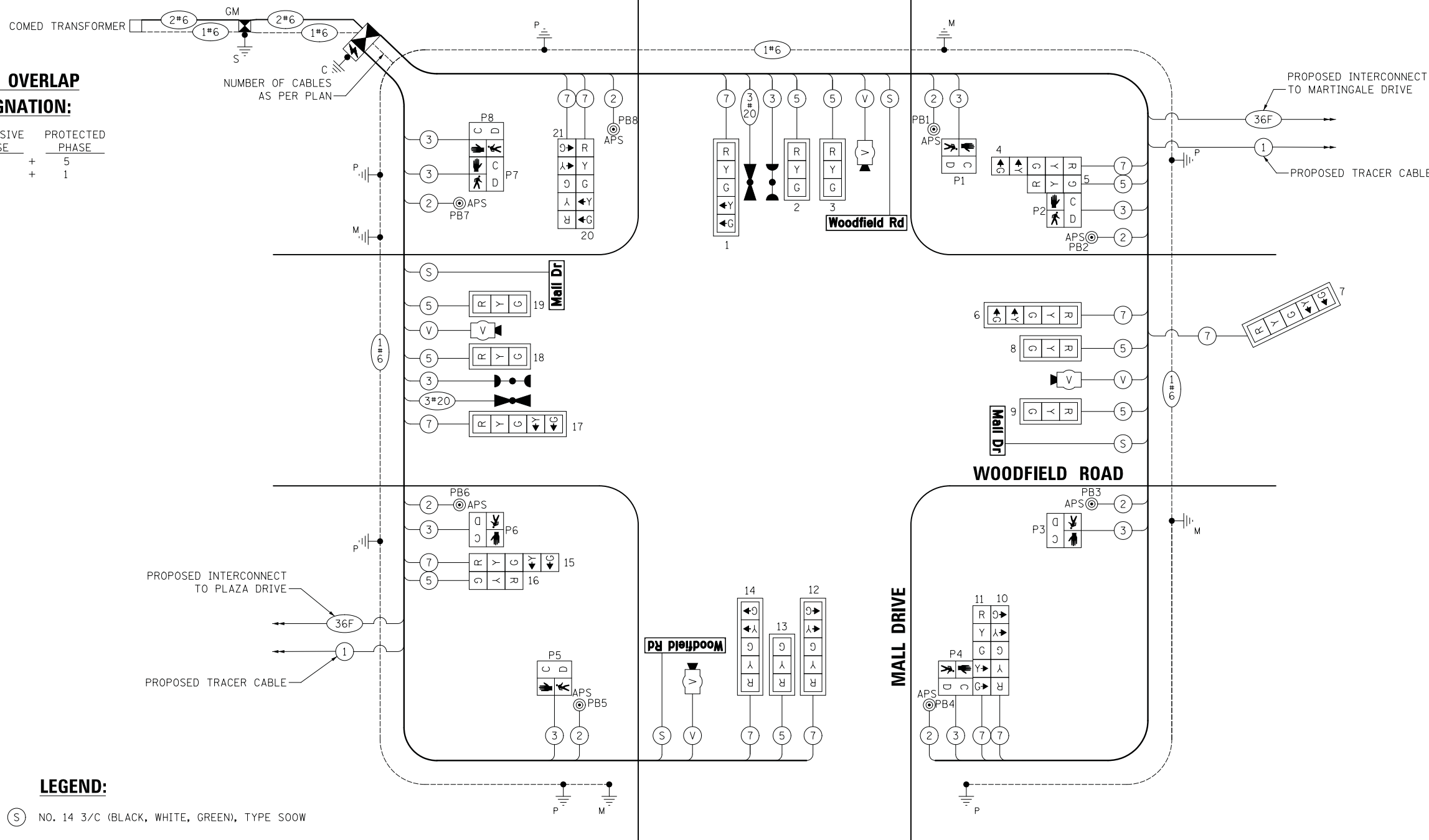
ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG  
101 SCHAUMBURG COURT  
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: TRACY WASH  
PHONE: (630) 691-4691  
COMPANY: COMED  
ACCOUNT NUMBER: 0245068017

**LEGEND:**

- ⊙ NO. 14 3/C (BLACK, WHITE, GREEN), TYPE S00W



FILE NAME = ...23\_Cable Plan and Sequences\_Woodfield Rd at Mall Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

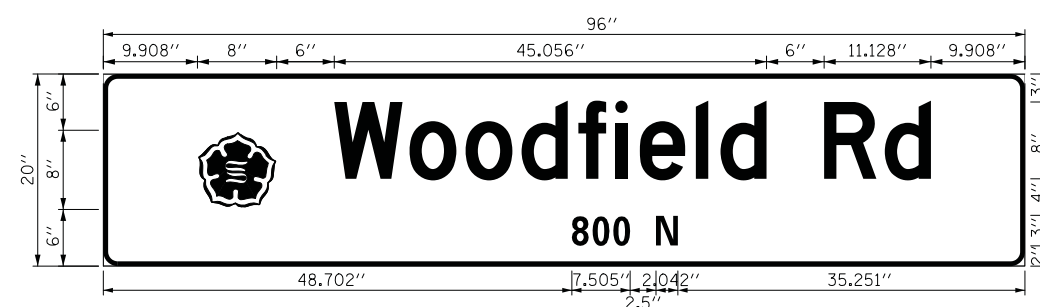
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
CABLE PLAN AND SEQUENCES  
WOODFIELD ROAD AND MALL DRIVE**

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

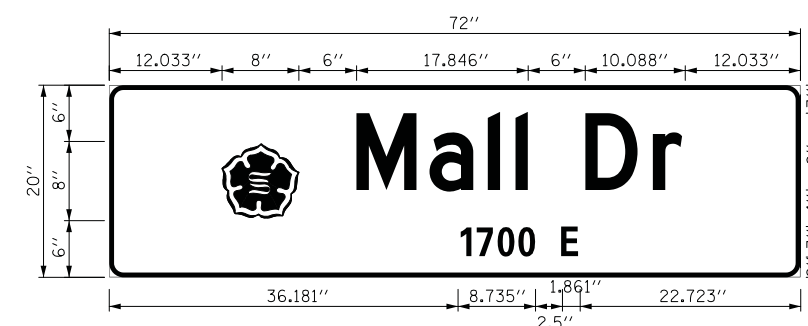
MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 163
			CONTRACT NO. 61F10	
ILLINOIS FED. AID PROJECT				

## SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	740
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	118
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	522
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	6
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	1
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	3
TRANSCIEVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1460
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1874
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1981
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2706
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	737
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1593
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	18
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	349
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
CABLE, SPECIAL	FOOT	847
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	13.3	LED SNS	ZZ	2 (TWO SIDED)



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	10	LED SNS	ZZ	2 (TWO SIDED)

FILE NAME = ...239A\_SNS and S00\_Woodfield Rd at Mall Dr.dgn



USER NAME = jet	DESIGNED - LEP	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SCHEDULE OF QUANTITIES AND ILLUMINATED STREET NAME SIGNS  
WOODFIELD ROAD AND PLAZA DRIVE**

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

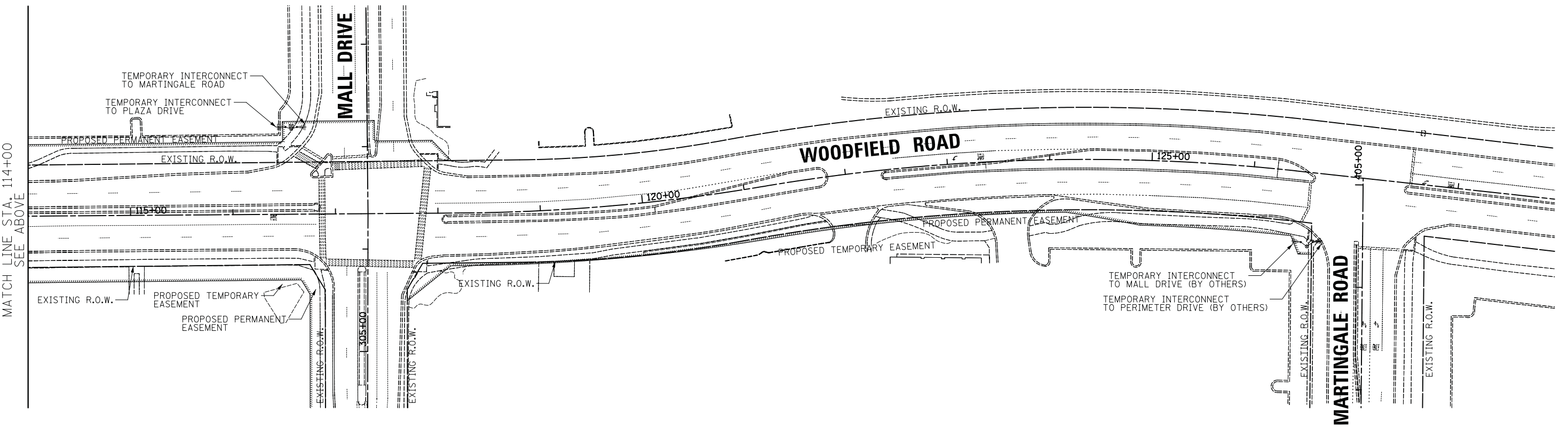
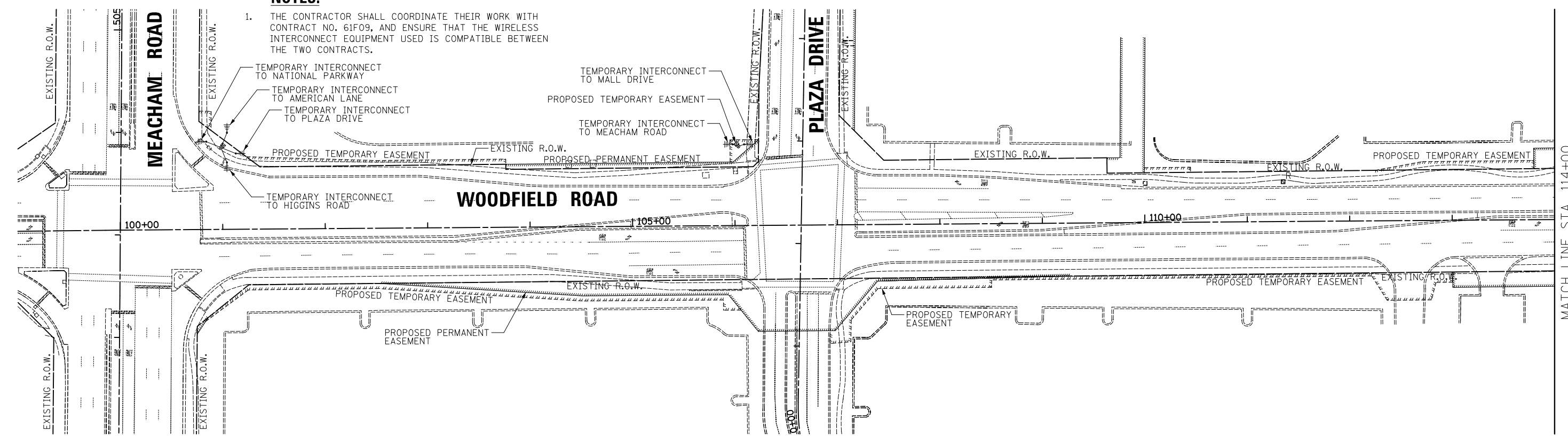
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	164
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				





**NOTES:**

1. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH CONTRACT NO. 61F09, AND ENSURE THAT THE WIRELESS INTERCONNECT EQUIPMENT USED IS COMPATIBLE BETWEEN THE TWO CONTRACTS.



FILE NAME = ...\\24.Temporary Interconnect.plandgn

USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - LEP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

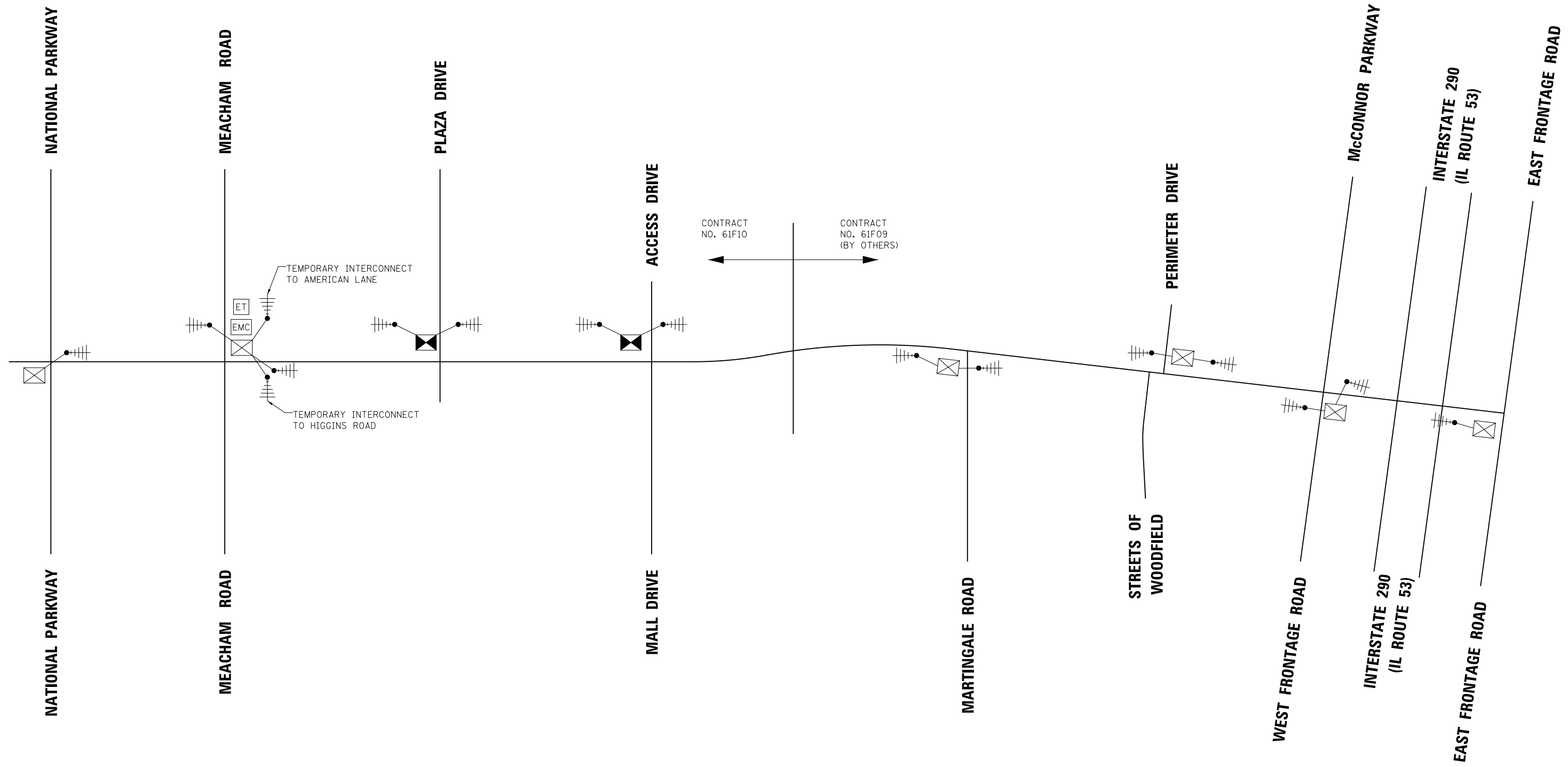
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY INTERCONNECT PLAN**

SCALE: 1" = 50'    SHEET 1 OF 1 SHEETS    STA.                    TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	165
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH CONTRACT NO. 61F09, AND ENSURE THAT THE WIRELESS INTERCONNECT EQUIPMENT USED IS COMPATIBLE BETWEEN THE TWO CONTRACTS.
2. THE MASTER CONTROLLER FOR THE MEACHAM ROAD SYSTEM IS LOCATED AT THE INTERSECTION OF MEACHAM ROAD/IL ROUTE 58 (GOLF ROAD).



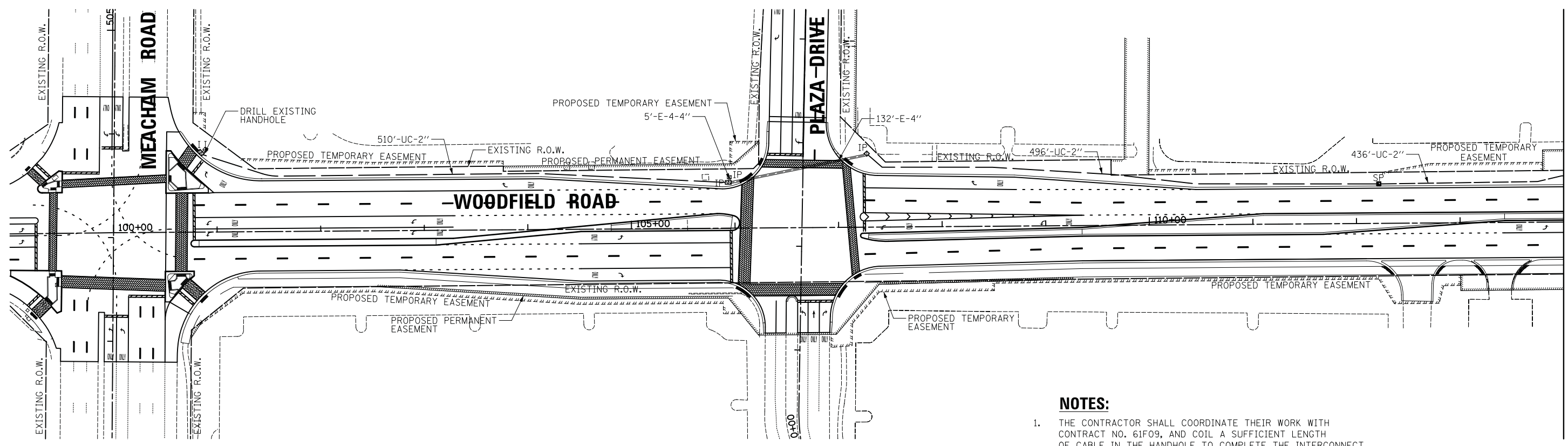
FILE NAME = ...25.Temporary Interconnect Schematic.Woodfield Rd From Meacham Rd to East Frontage Rd.dgn

USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - LEP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD</b>			
<b>TEMPORARY INTERCONNECT SCHEMATIC</b>			
SCALE: NO SCALE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

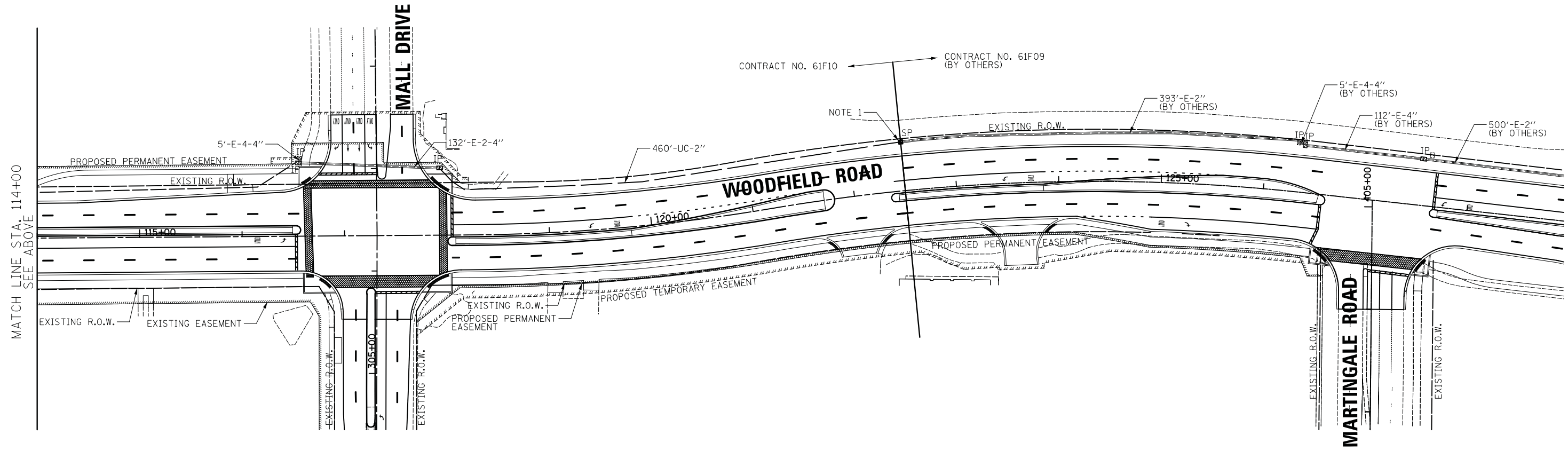
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	166
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 114+00  
SEE BELOW

**NOTES:**

1. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH CONTRACT NO. 61F09, AND COIL A SUFFICIENT LENGTH OF CABLE IN THE HANDHOLE TO COMPLETE THE INTERCONNECT BETWEEN MALL DRIVE AND MARTINGALE ROAD, INCLUDING ALL SLACK LENGTHS SHOWN ON IDOT DISTRICT 1 STANDARD TS-05. CABLE SPLICES SHALL NOT BE ALLOWED OUTSIDE OF THE CONTROLLER CABINET.



MATCH LINE STA. 114+00  
SEE ABOVE

FILE NAME = ...26\_Proposed Interconnect plan.dgn

USER NAME = jet	DESIGNED - LEP	REVISED -
	DRAWN - LEP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
PROPOSED INTERCONNECT PLAN**

SCALE: 1" = 50'    SHEET 1 OF 1 SHEETS    STA.                      TO STA.

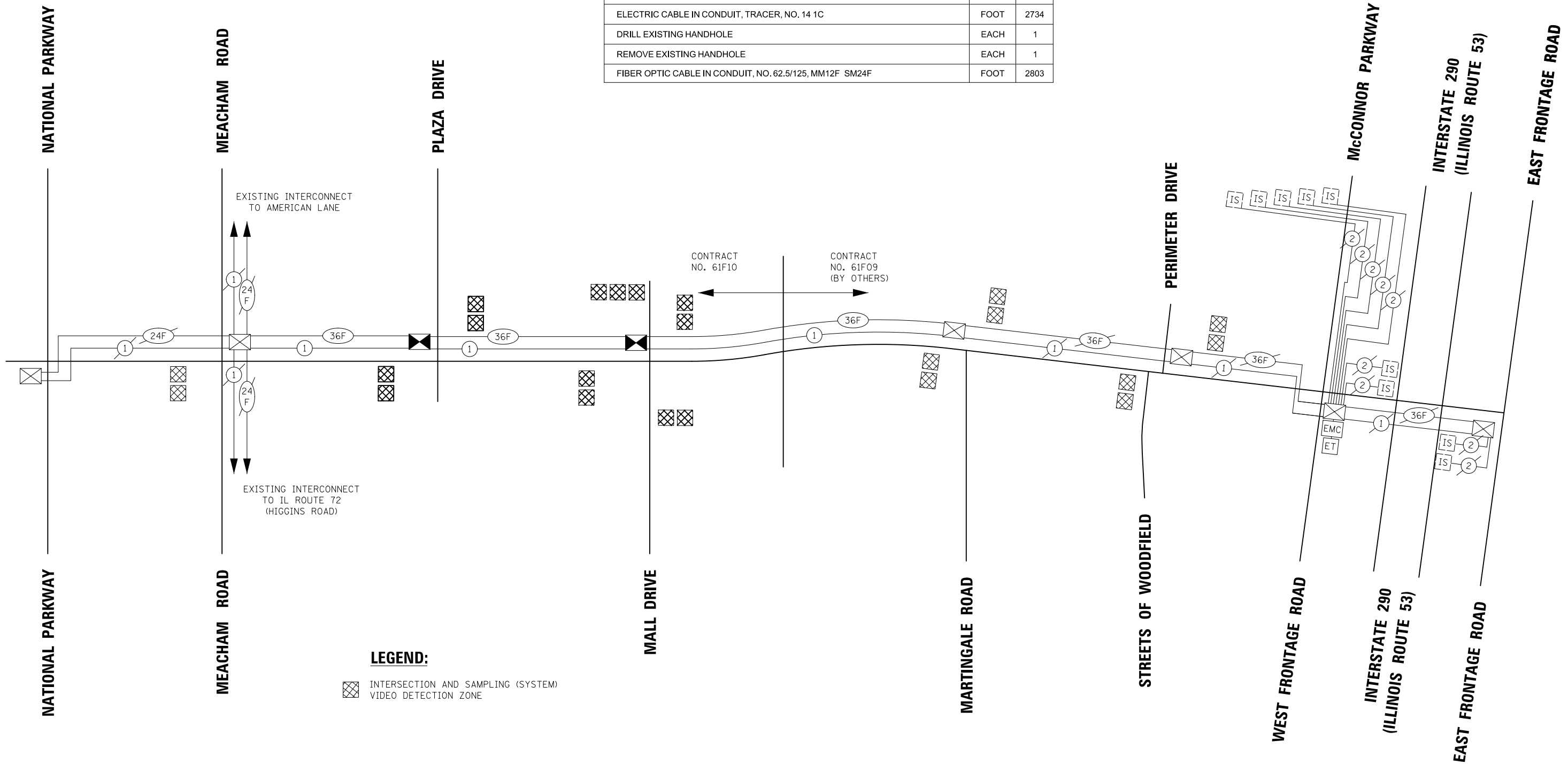
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	167
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF CABLE BETWEEN MALL DRIVE AND MARTINGALE ROAD WITH CONTRACT NO. 61F09.
2. THE EXISTING MASTER CONTROLLER FOR THE MEACHAM ROAD SYSTEM IS LOCATED AT THE INTERSECTION OR MEACHAM ROAD/IL ROUTE 58 (GOLF ROAD).

**SCHEDULE OF QUANTITIES**

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1902
HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2734
DRILL EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2803



FILE NAME = ...\\27\_Interconnect\_Schematic\_Woodfield\_Rd\_From\_Meacham\_Rd\_to\_East\_Frontage\_Rd.dgn



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PLOT SCALE = 50.0000' / in.	DRAWN - OJT	REVISED -
PLOT DATE = 2/4/2019	CHECKED - JJE	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO I-290 EAST FRONTAGE ROAD  
INTERCONNECT SCHEMATIC**

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

MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 168
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

**LEGEND**

	EXISTING LIGHTING UNIT 250 WATT HPS, 38 FT ALUMINUM POLE 3.6 FT MAST ARM		TEMPORARY LIGHTING UNIT 400 WATT HPS COBRAHEAD 60 FT. WOOD POLE (50 FT MOUNTING HEIGHT) 15 FT MAST ARM
	PROPOSED LIGHTING UNIT LUMINAIRE INSTALLATION, TYPE 1 PHILIPS LUMEC TR20 130 WATT LED, 240V (PHASE TO PHASE) LIGHT POLE, SPECIAL 38 FT ALUMINUM POLE, 3.6 FT MAST ARM		TEMPORARY AERIAL CABLES (AS SPECIFIED IN THE PLANS)
	PROPOSED COMBINATION TRAFFIC SIGNAL AND STREET LIGHT LUMINAIRE INSTALLATION, TYPE 2 AMERICAN ELECTRIC LIGHTING ATB2 214 WATT LED, 240V (PHASE TO PHASE) 45 FT M.H., 15 FT MAST ARM WIRED AND POWERED FROM LIGHTING CONTROLLER		TEMPORARY WOOD POLE, 40 FT., CLASS 4
	PROPOSED LIGHTING CONTROLLER 120/240 VOLT, 100 AMP		REMOVAL OF EXISTING CABLES
	PROPOSED LIGHTING UNIT DUCT (AS SPECIFIED IN THE PLANS)		EXISTING LIGHTING UNIT TO BE REMOVED
			EXISTING LIGHTING CABLES

**LIGHTING GENERAL NOTES**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, ANY WORK IS NOT REQUIRED, THAT ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- EXISTING LIGHTING WILL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL. TEMPORARY LIGHTING WILL REMAIN OPERATIONAL UNTIL THE PROPOSED LIGHTING IS INSTALLED, OPERATIONAL, AND COMPLETE SUCCESSFUL TESTING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND LIGHTING CONTROLLERS FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS FOR ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATIONS HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
- LIGHT POLE FOUNDATION TYPE WILL BE METAL UNLESS OTHERWISE SPECIFIED IN THE PLANS. FOUNDATION TYPE IS BASED ON KNOWN UTILITY INFORMATION. OFFSET FOUNDATION LOCATIONS WERE BASED ON ATLAS AND PHYSICAL STRUCTURES FOR LOCATION OF UTILITIES. WHERE POSSIBLE, OFFSET FOUNDATIONS SHOULD BE REPLACED WITH METAL FOUNDATIONS. FOUNDATION TYPE SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. CONTRACTOR WILL BE PAID FOR THE FOUNDATION TYPE INSTALLED WITH NO ADDITIONAL COMPENSATION FOR CHANGE FROM CONTRACT PLAN.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
- FOR ALL CONCRETE FOUNDATIONS, A MINIMUM OF 2 SLEEVES SHALL BE PROVIDED REGARDLESS OF WHAT IS BEING INSTALLED. THE SLEEVES SHALL BE SEALED AND CAPPED TO PREVENT MOISTURE OR CONTAMINANTS. MATERIAL AND LABOR WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE PAY ITEM FOR LIGHT POLE FOUNDATION.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALUMINUM POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES. NOTE THAT THE CONTRACTOR SHALL NOT BE PAID FOR POLES UNTIL LUMINAIRES ARE INSTALLED.
- CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS, OTHER UTILITIES, AND LANDSCAPING. PREFERRED LOCATION OF UNIT DUCT IS 12 INCHES OFF PROPOSED BACK OF CURB AND IN NO CASE SHALL IT BE CLOSER THEN 12 INCHES. LOCATIONS GREATER THEN 12 INCHES BASED ON FIELD CONDITIONS WILL BE APPROVED BY THE ENGINEER.
- WHEN SPLICING TO EXISTING POLE, ANY AND ALL WORK REQUIRED TO RUN THE PROPOSED UNIT DUCT INTO EXISTING FOUNDATION SLEEVE AND SPLICING IN EXISTING POLE SHALL BE COVERED AND INCLUDED IN THE PAY ITEM FOR THE UNIT DUCT.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ANY LIGHT STANDARD IS ERECTED.
- THE INSTALLATION OF BURIED WARNING TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER.
- NO UNDERGROUND SPLICING ALLOWED.
- ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB, OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST AND REPLACEMENT SHALL MEET THE APPROVAL OF THE ENGINEER.
- OFFSET CALL-OFFS FOR TEMPORARY LIGHT POLES ARE FROM THE CENTER OF POLES TO PROPOSED CONSTRUCTION BASELINE. OFFSETS CALL-OFFS FOR PROPOSED LIGHT POLES ARE FROM THE CENTER OF POLES TO PROPOSED EDGE OF PAVEMENT (E.O.P.)

**LIGHTING SCHEDULE OF QUANTITIES**

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	100
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1045
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	110
81800230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	3843
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100 AMP	EACH	1
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	9
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	29
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	24
84200804	REMOVAL OF POLE FOUNDATION	EACH	24
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10854
89502376	REBUILD EXISTING HANDHOLE	EACH	1
X0323003	TEMPORARY ELECTRIC SERVICE INSTALLATION	EACH	1
X0326148	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	16
X0326760	REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	1
X0327349	TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	9
X8163577	UNIT DUCT, 600V, 4-1C NO.8, 3-1C NO. 2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	4373
X8210040	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	16
X8250060	TEMPORARY LIGHTING CONTROLLER	EACH	1
X8300001	LIGHT POLE, SPECIAL	EACH	20
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	132
X8380075	BREAKAWAY DEVICE, TRANSFORMER BASE, SPECIAL	EACH	20
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18
XX008068	LUMINAIRE INSTALLATION, TYPE 1	EACH	20
XX008069	LUMINAIRE INSTALLATION, TYPE 2	EACH	8

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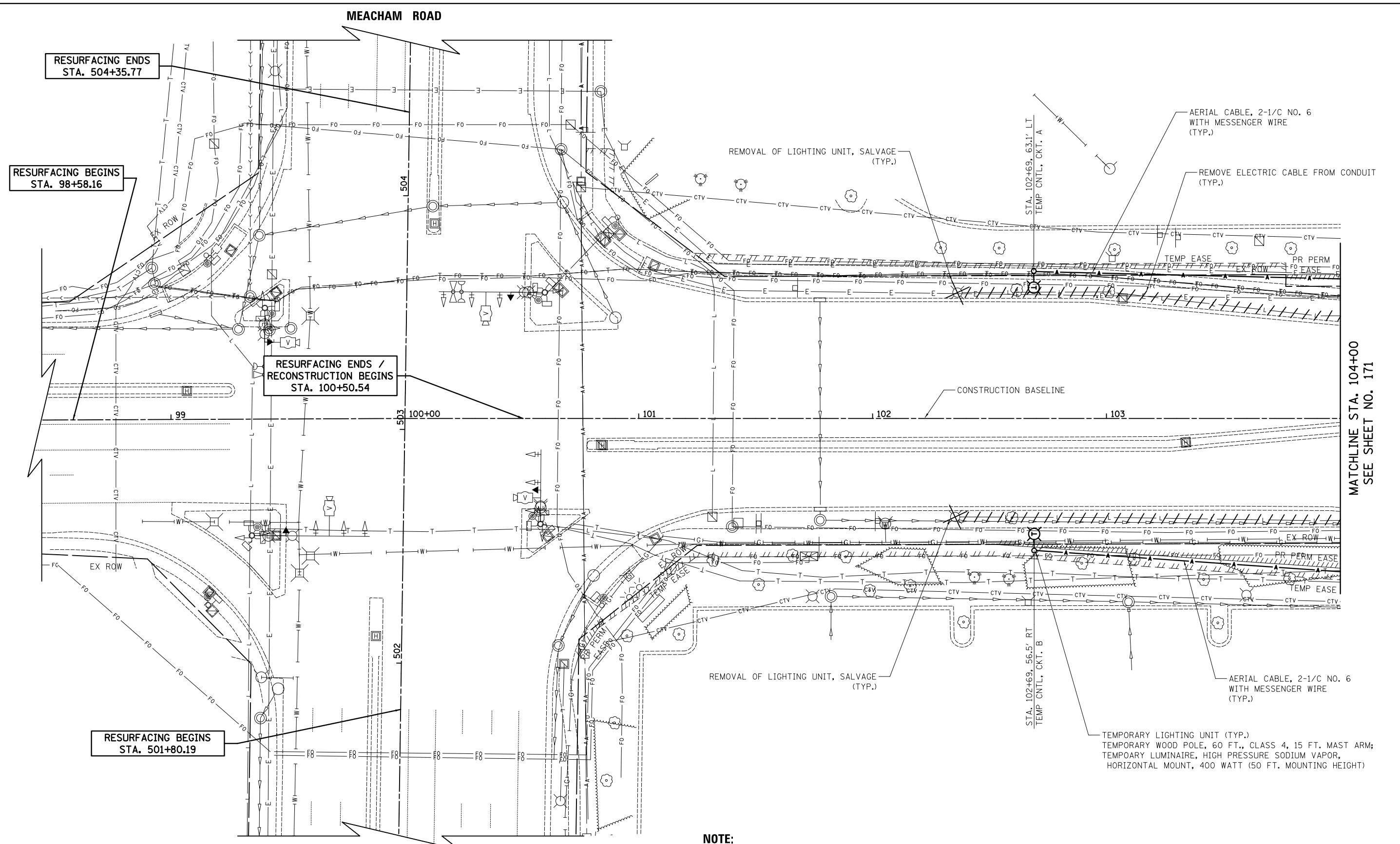
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING LEGEND, GENERAL NOTES, AND BILL OF MATERIAL**

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

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	169
			CONTRACT NO. 61F10	
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 104+00  
SEE SHEET NO. 171

**NOTE:**  
EXISTING LIGHTING AT THE INTERSECTION OF MEACHAM ROAD AND WOODFIELD ROAD WILL REMAIN.

**WOODFIELD ROAD**



FILE NAME = ...3025.LT\_02 TEMP.dgn



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY LIGHTING PLAN**  
SCALE: 1" = 20' SHEET 1 OF 5 SHEETS STA. 100+50.54 TO STA. 104+00

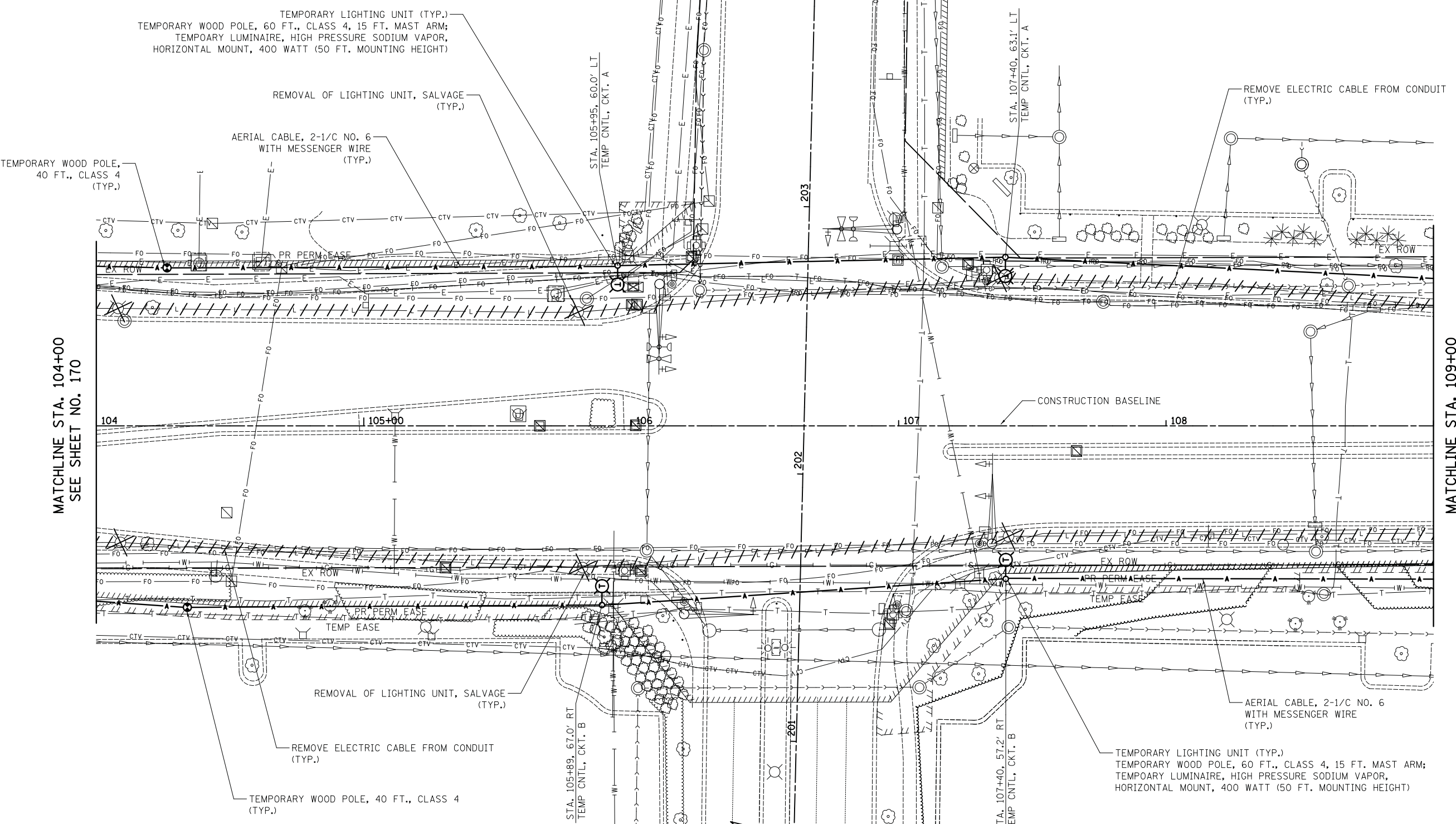
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	170
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



PLAZA DRIVE

PLAZA DRIVE

WOODFIELD ROAD



MATCHLINE STA. 104+00  
SEE SHEET NO. 170

MATCHLINE STA. 109+00  
SEE SHEET NO. 172



FILE NAME = ...3025.LT\_03 TEMP.dgn



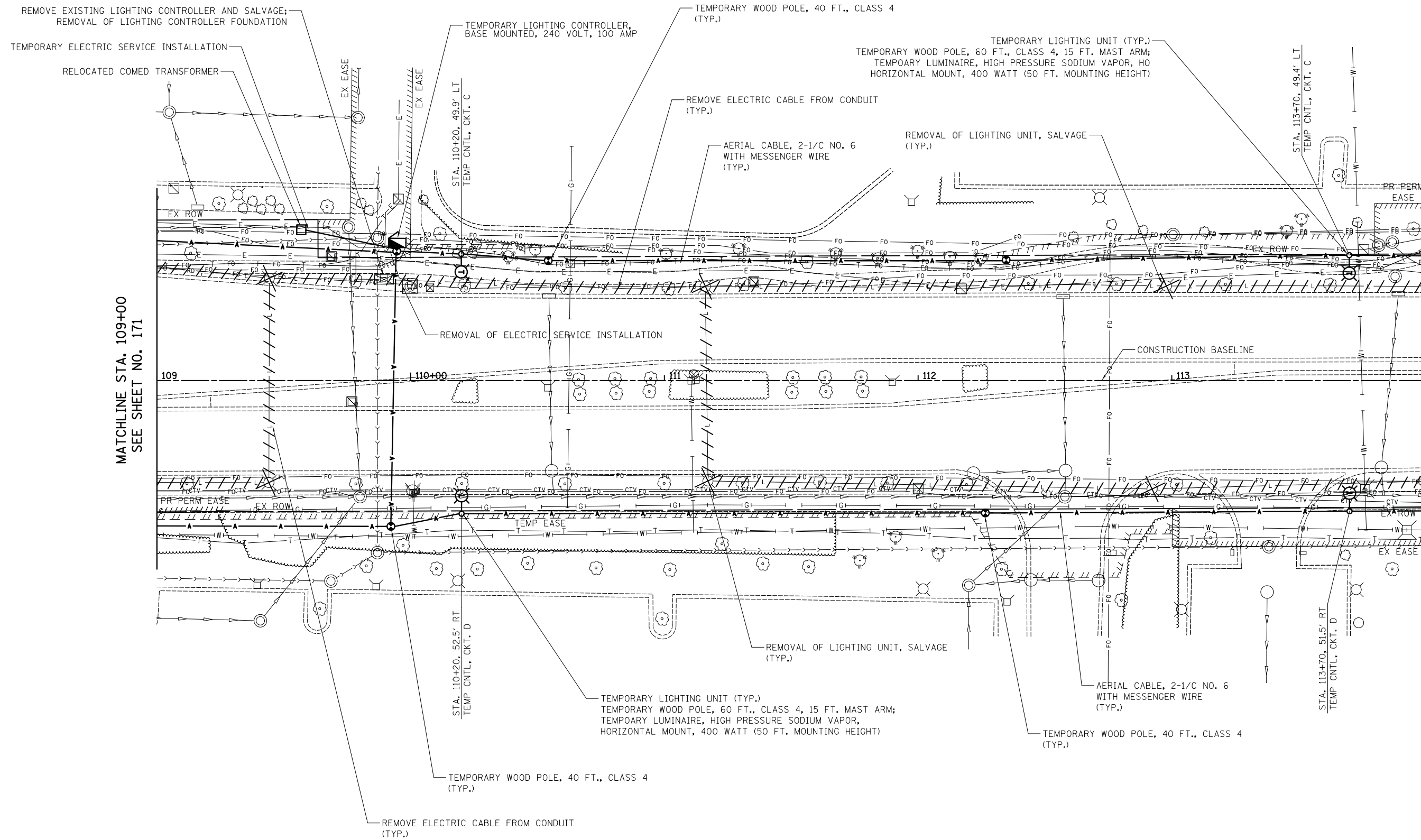
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	DATE - 01/02/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY LIGHTING PLAN

SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 104+00 TO STA. 109+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	171
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**WOODFIELD ROAD**



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

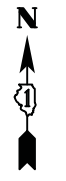
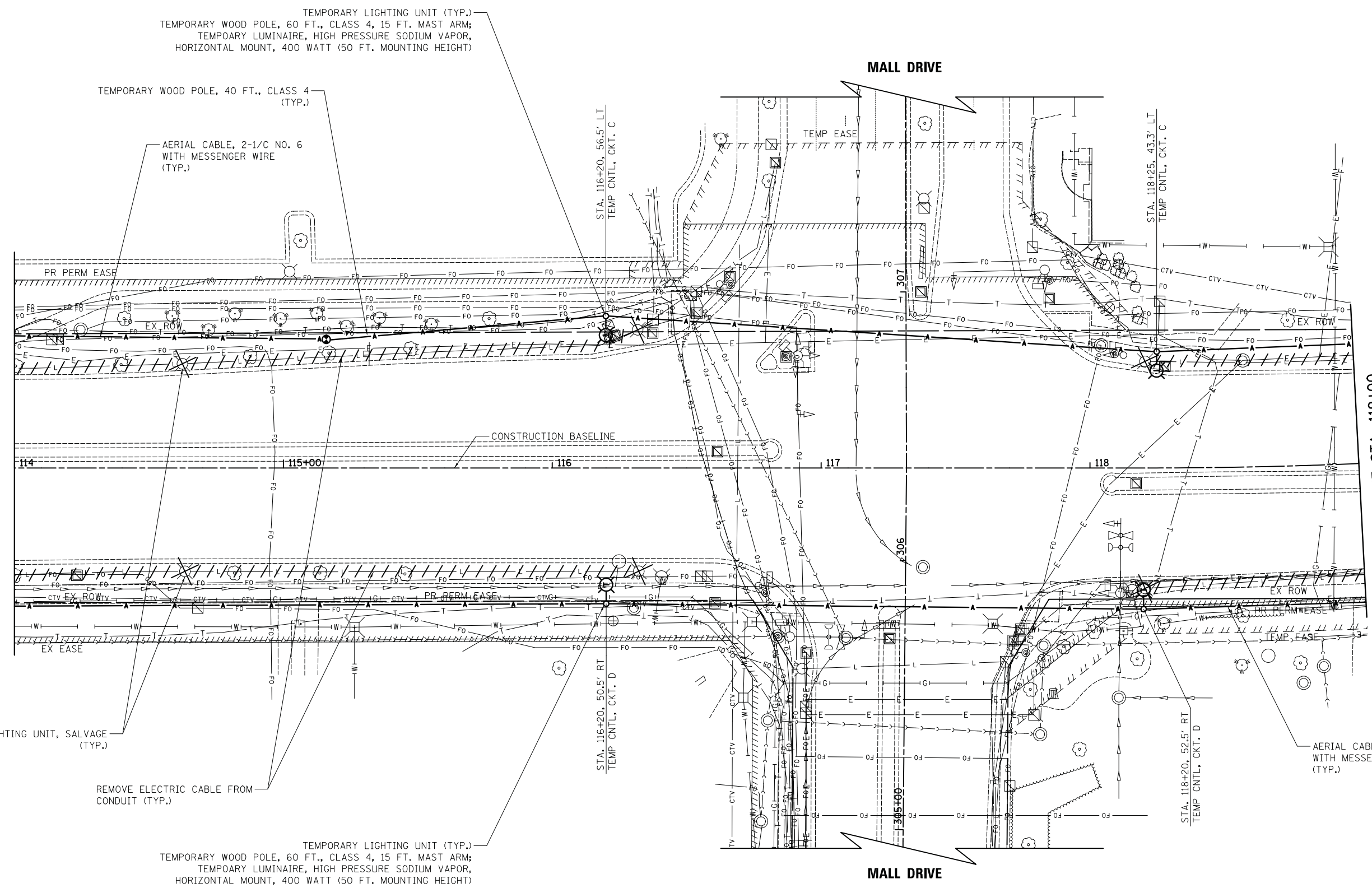
<b>WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD</b>		
<b>TEMPORARY LIGHTING PLAN</b>		
SCALE: 1" = 20'	SHEET 3 OF 5 SHEETS	STA. 109+00 TO STA. 114+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	172
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 114+00  
SEE SHEET NO. 172

MATCHLINE STA. 119+00  
SEE SHEET NO. 174



**WOODFIELD ROAD**



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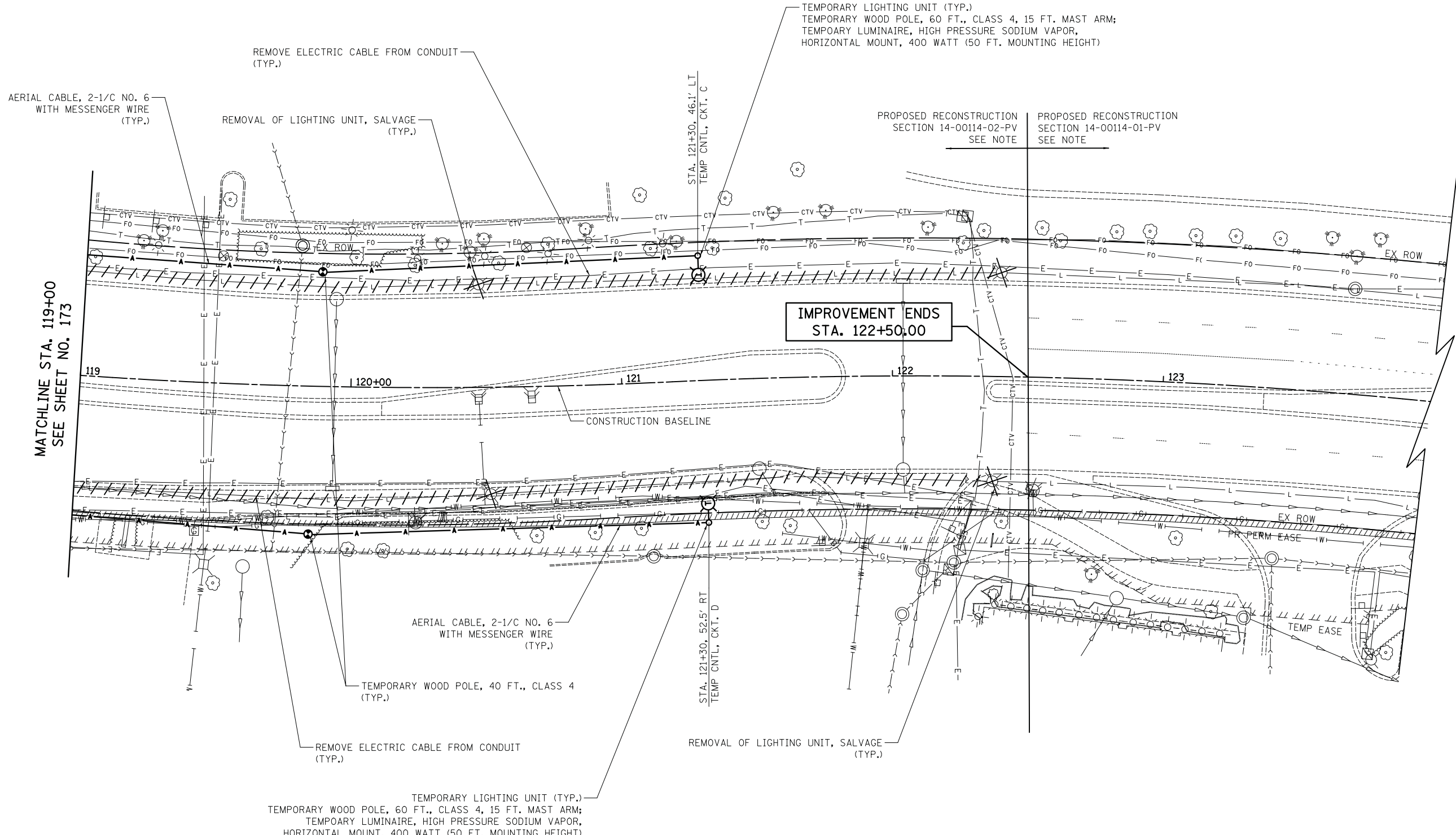
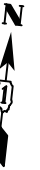
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PLOT DATE = 2/4/2019	CHECKED - DNM	REVISED -
	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY LIGHTING PLAN**

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 114+00 TO STA. 119+00

MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 173
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**NOTE**

PROPOSED RECONSTRUCTION SECTION 14-00114-01-PV AND SECTION 14-00114-02-PV WILL BE ON THE SAME LETTING. THERE WILL ALSO BE TEMPORARY LIGHTING ON SECTION 14-00114-01-PV.

**WOODFIELD ROAD**



FILE NAME = ...3025.LT\_06 TEMP.dgn



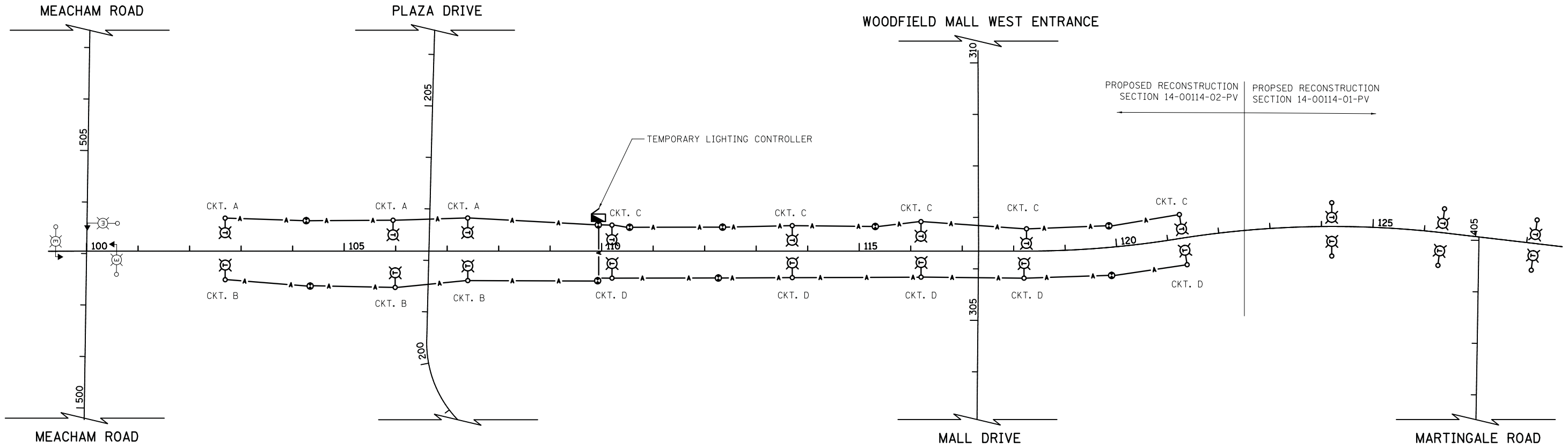
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY LIGHTING PLAN**

SCALE: 1" = 20'    SHEET 5 OF 5 SHEETS    STA. 119+00 TO STA. 122+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	174
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  TEMPORARY LIGHTING UNIT  
400 WATT HPS COBRAHEAD  
60 FT WOOD POLE (50 FT. MOUNTING HEIGHT)  
15 FT MAST ARM
-  EXISTING COMBINATION LIGHTING  
AND TRAFFIC SIGNAL
-  TEMPORARY LIGHTING CONTROLLER  
120/240 VOLT
-  TEMPORARY AERIAL CABLES  
(AS SPECIFIED IN THE PLANS)
-  TEMPORARY WOOD POLE, 40 FT., CLASS 4

TEMPORARY LIGHTING CONTROLLER CIRCUIT LOAD TABLE							
BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V	RED CABLE	QTY	@240V AMPS	KW LOAD @ 120V
A	3	6.0	0.72	A	3	6.0	0.72
B	3	6.0	0.72	B	3	6.0	0.72
C	5	10.0	1.20	C	5	10.0	1.20
D	5	10.0	1.20	D	5	10.0	1.20
TOTAL		32.0	3.84	TOTAL		32.0	3.84

400 WATT HPS LUMINAIRE (240V) = 2.0 AMP

FILE NAME = ...3025.LT.07 TEMP Wiring Diagram.dgn



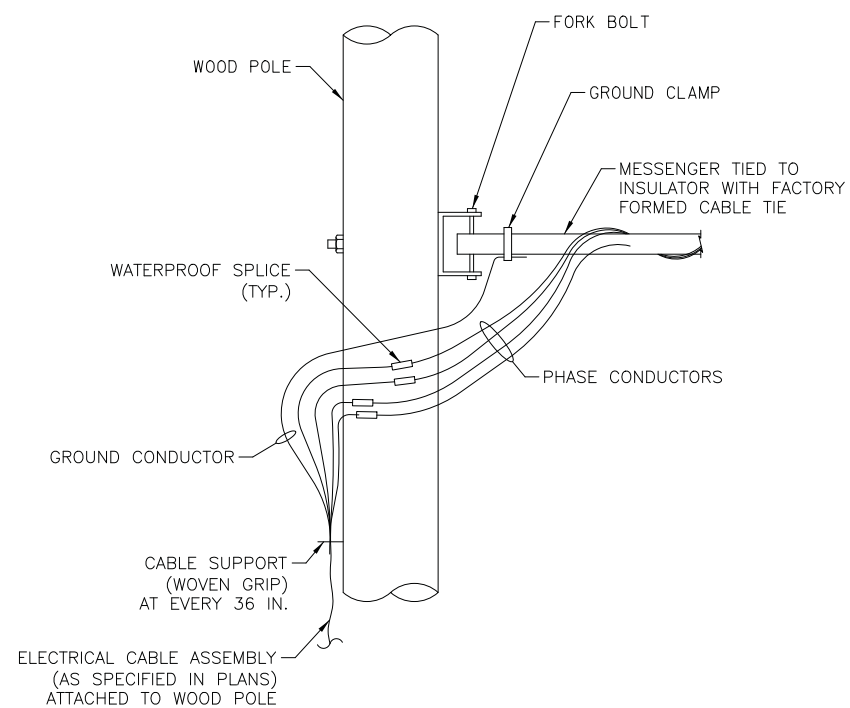
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

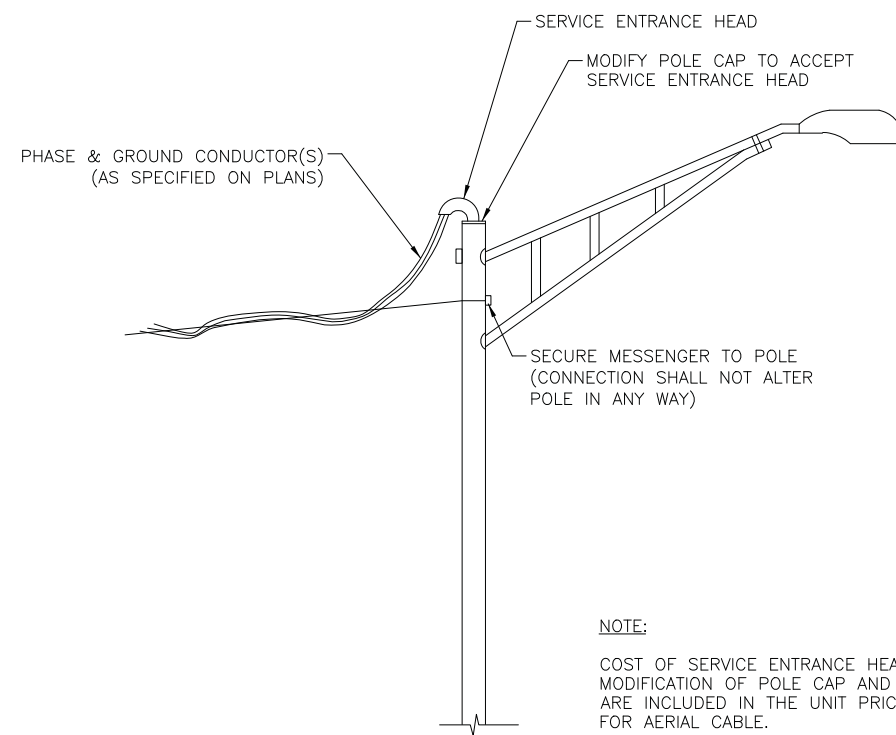
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY LIGHTING WIRING DIAGRAM**

SCALE: NTS SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	175
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**AERIAL CABLE CONNECTION DETAIL**



ALL CONDUCTORS SHALL BE INDIVIDUALLY COLOR-CODED. THE COLOR-CODED INSULATION FOR EACH WIRE SHALL RUN THE ENTIRE LENGTH OF THE CONDUCTOR FROM THE CIRCUIT BREAKER TO THE LUMINAIRE WITH THE SAME COLOR.

**NOTE:**  
COST OF SERVICE ENTRANCE HEAD, MODIFICATION OF POLE CAP AND CONNECTION ARE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

**AERIAL CABLE CONNECTION TO EXISTING LIGHT POLE**

FILE NAME = ...3025-LT\_08 TEMP Det\_01.dgn

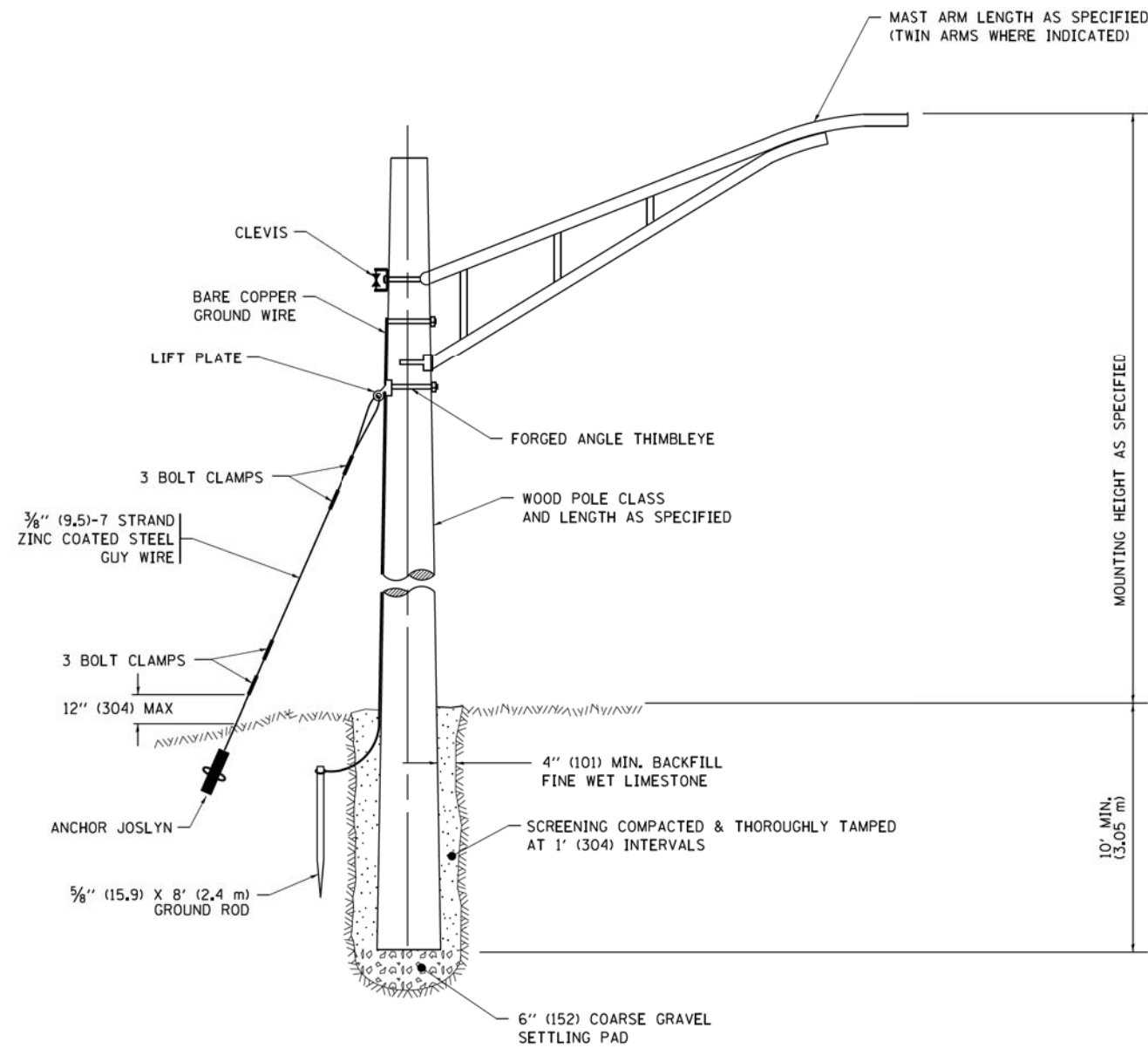
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PLOT DATE = 2/4/2019	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

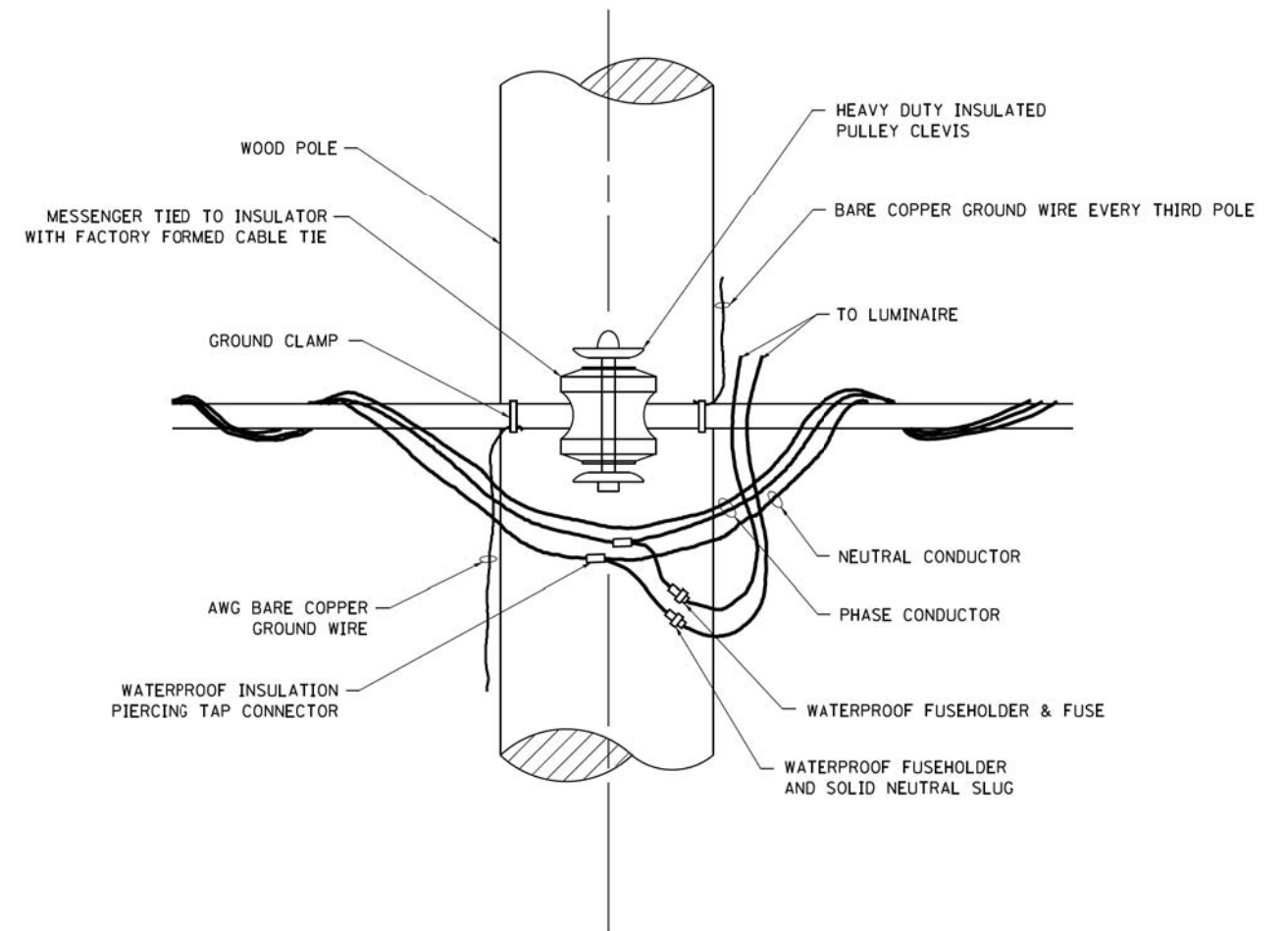
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
TEMPORARY LIGHTING DETAILS**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	176
<b>CONTRACT NO. 61F10</b>				
ILLINOIS FED. AID PROJECT				



**TEMPORARY LIGHT POLE DETAIL**



**TEMPORARY LIGHT POLE ATTACHMENT DETAIL**

**NOTE:**

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY LIGHT POLE DETAILS</b>			MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\l\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT_Offices\District_1\Projects\Dist1\084EBID\CADD\Detail\CAD\sheet\be800.dgn		DRAWN -	REVISED - R.T. 07-26-16		3073	14-00114-02-PV	COOK	246	177			
Default	PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED -		<b>BE-800</b>		<b>CONTRACT NO. 61F10</b>		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 9/1/2016	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.					

MEACHAM ROAD

RESURFACING ENDS  
STA. 504+35.77

RESURFACING BEGINS  
STA. 98+58.16

RESURFACING ENDS /  
RECONSTRUCTION BEGINS  
STA. 100+50.54

RESURFACING BEGINS  
STA. 501+80.19

MEACHAM ROAD

**NOTE:**

EXISTING LIGHTING AT THE INTERSECTION OF MEACHAM ROAD  
AND WOODFIELD ROAD WILL REMAIN.

PROPOSED LIGHTING UNIT  
LUMINAIRE INSTALLATION, TYPE 1;  
LIGHT POLE, SPECIAL;  
BREAKAWAY DEVICE, TRANSFORMER BASE, SPECIAL;  
(TYP.)

STA. 102+25, 5.1' EOP  
LUMINAIRE CKT. A  
OUTLET CKT. 1  
OFFSET FDN

STA. 103+65, 9.1' EOP  
LUMINAIRE CKT. B  
OUTLET CKT. 2

STA. 102+25, 5.1' EOP  
LUMINAIRE CKT. C  
OUTLET CKT. 3  
OFFSET FDN

STA. 103+65, 5.1' EOP  
LUMINAIRE CKT. D  
OUTLET CKT. 4  
OFFSET FDN

UNIT DUCT, 600V, 4-1C NO. 8, 3-1C NO. 2,  
1/C NO. 2 GROUND, (XLP-TYPE USE),  
1 1/2" DIA. POLYETHYLENE  
(TYP.)

UNIT DUCT, 600V, 4-1C NO. 8, 3-1C NO. 2,  
1/C NO. 2 GROUND, (XLP-TYPE USE),  
1 1/2" DIA. POLYETHYLENE  
(TYP.)



MATCHLINE STA. 104+00  
SEE SHEET NO. 179

WOODFIELD ROAD



FILE NAME = ...\\16-Lighting\_3025.LT.10.dgn



USER NAME = jet	DESIGNED - SJC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 2/4/2019	CHECKED - DNM	REVISED -
	DATE - 01/02/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING PLAN

SCALE: 1" = 20' SHEET 1 OF 5 SHEETS STA. 100+50.54 TO STA. 104+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	178
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



PLAZA DRIVE

WOODFIELD ROAD

PLAZA DRIVE

MATCHLINE STA. 104+00  
SEE SHEET NO. 178

MATCHLINE STA. 109+00  
SEE SHEET NO. 180

PROPOSED LIGHTING UNIT  
LUMINAIRE INSTALLATION, TYPE 1;  
LIGHT POLE, SPECIAL;  
BREAKAWAY DEVICE, TRANSFORMER BASE, SPECIAL;  
(TYP.)

PROPOSED LIGHTING UNIT  
LUMINAIRE INSTALLATION, TYPE 1;  
LIGHT POLE, SPECIAL;  
BREAKAWAY DEVICE, TRANSFORMER BASE, SPECIAL;  
(TYP.)

UNIT DUCT, 600V, 4-1C NO. 8, 3-1C NO. 2,  
1/2" NO. 2 GROUND, (XLP-TYPE USE),  
1 1/2" DIA. POLYETHYLENE  
(TYP.)

UNIT DUCT, 600V, 4-1C NO. 8, 3-1C NO. 2,  
1/2" NO. 2 GROUND, (XLP-TYPE USE),  
1 1/2" DIA. POLYETHYLENE  
(TYP.)

20' UNDERGROUND CONDUIT,  
GALVANIZED STEEL, 4" DIA.

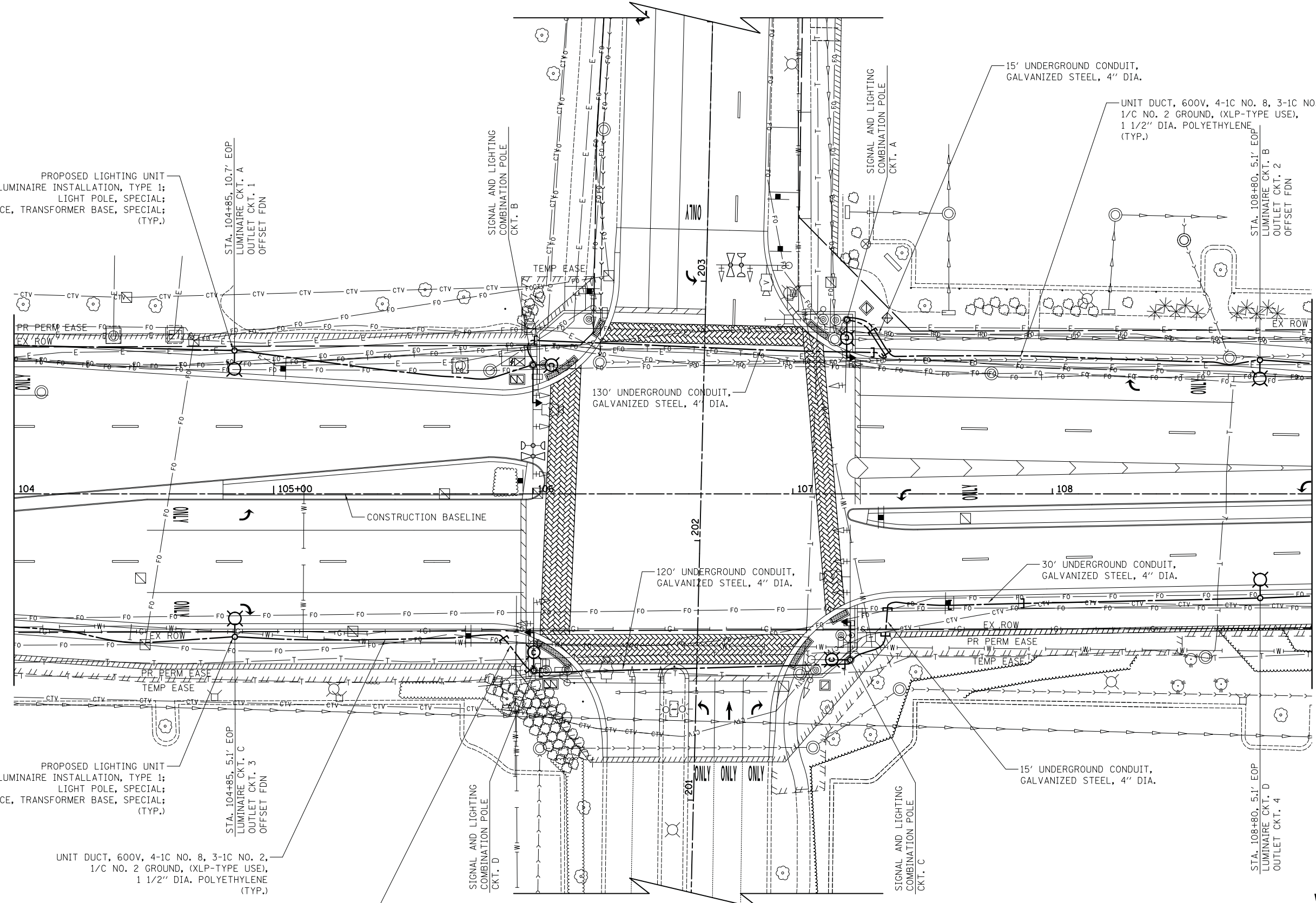
120' UNDERGROUND CONDUIT,  
GALVANIZED STEEL, 4" DIA.

130' UNDERGROUND CONDUIT,  
GALVANIZED STEEL, 4" DIA.

30' UNDERGROUND CONDUIT,  
GALVANIZED STEEL, 4" DIA.

15' UNDERGROUND CONDUIT,  
GALVANIZED STEEL, 4" DIA.

15' UNDERGROUND CONDUIT,  
GALVANIZED STEEL, 4" DIA.



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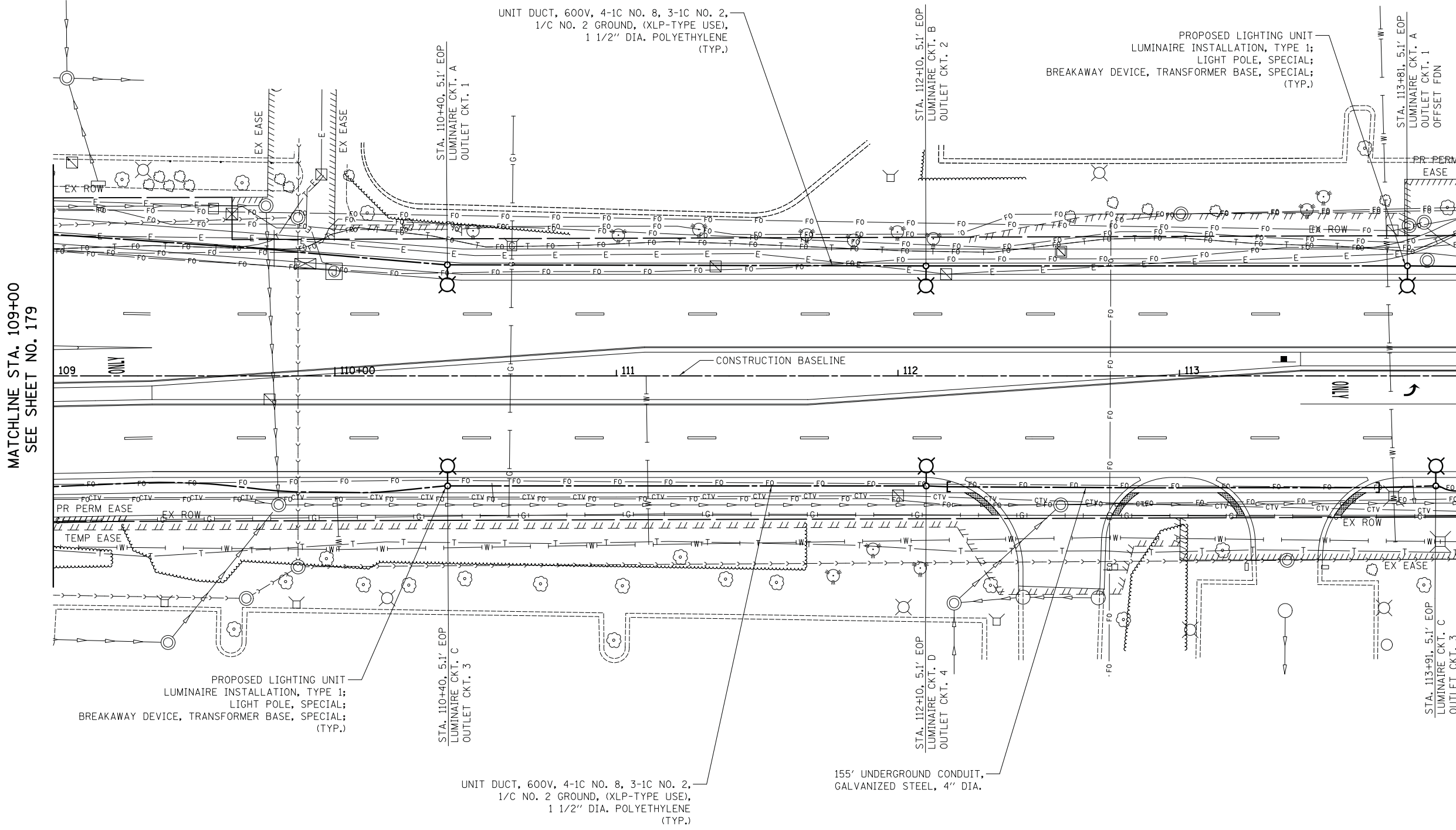
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	DATE - 01/02/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING PLAN

SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 104+00 TO STA. 109+00

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	179
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 109+00  
SEE SHEET NO. 179

MATCHLINE STA. 114+00  
SEE SHEET NO. 181

**WOODFIELD ROAD**



FILE NAME = ...\\16-Lighting\3025.LT.12.dgn



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PLOT DATE = 2/4/2019	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING PLAN**

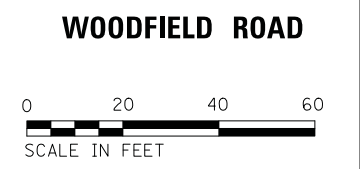
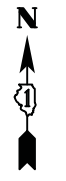
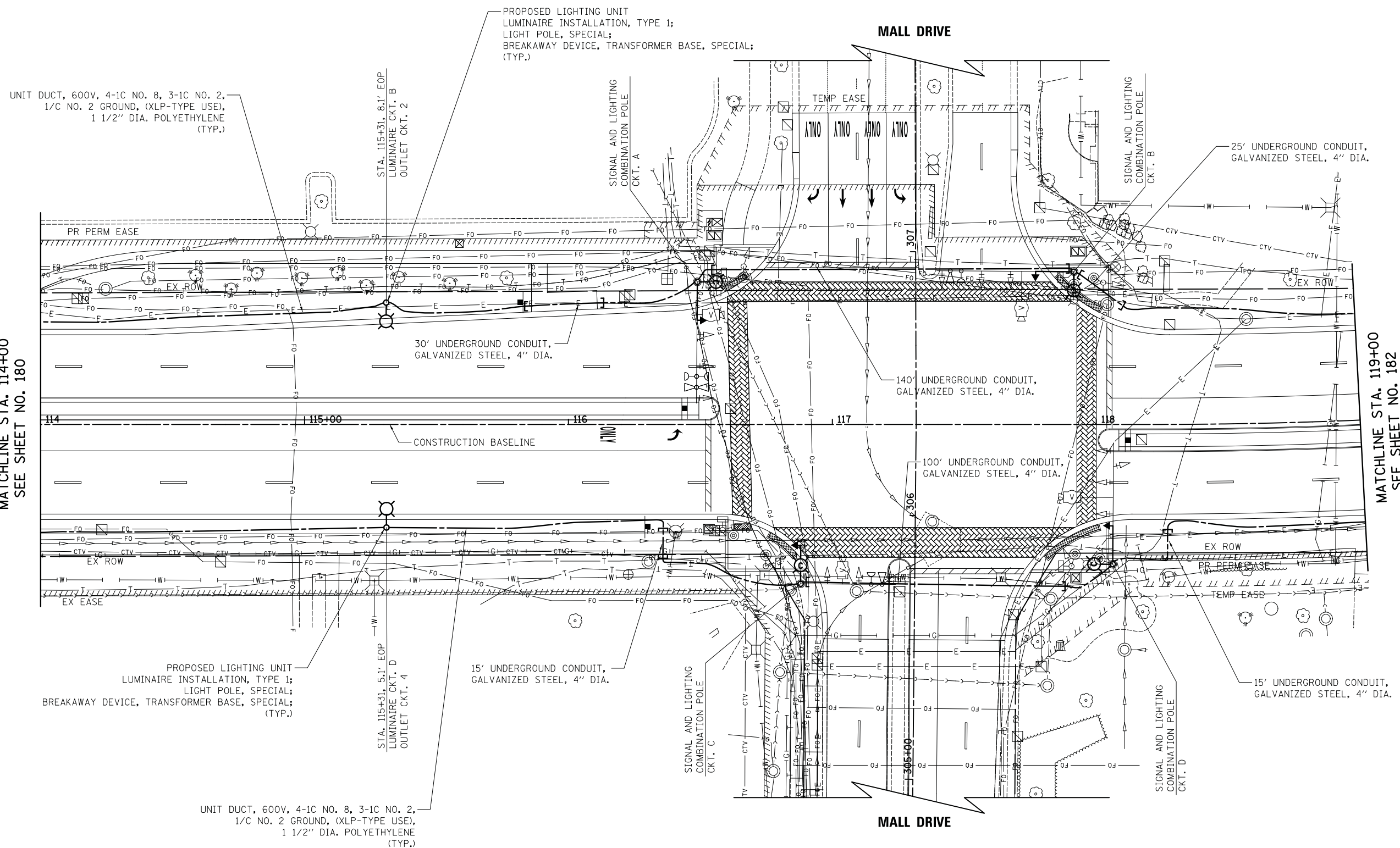
SCALE: 1" = 20' SHEET 3 OF 5 SHEETS STA. 109+00 TO STA. 114+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	180
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 114+00  
SEE SHEET NO. 180

MATCHLINE STA. 119+00  
SEE SHEET NO. 182



FILE NAME = ...\\16-Lighting\3025.LT.13.dgn



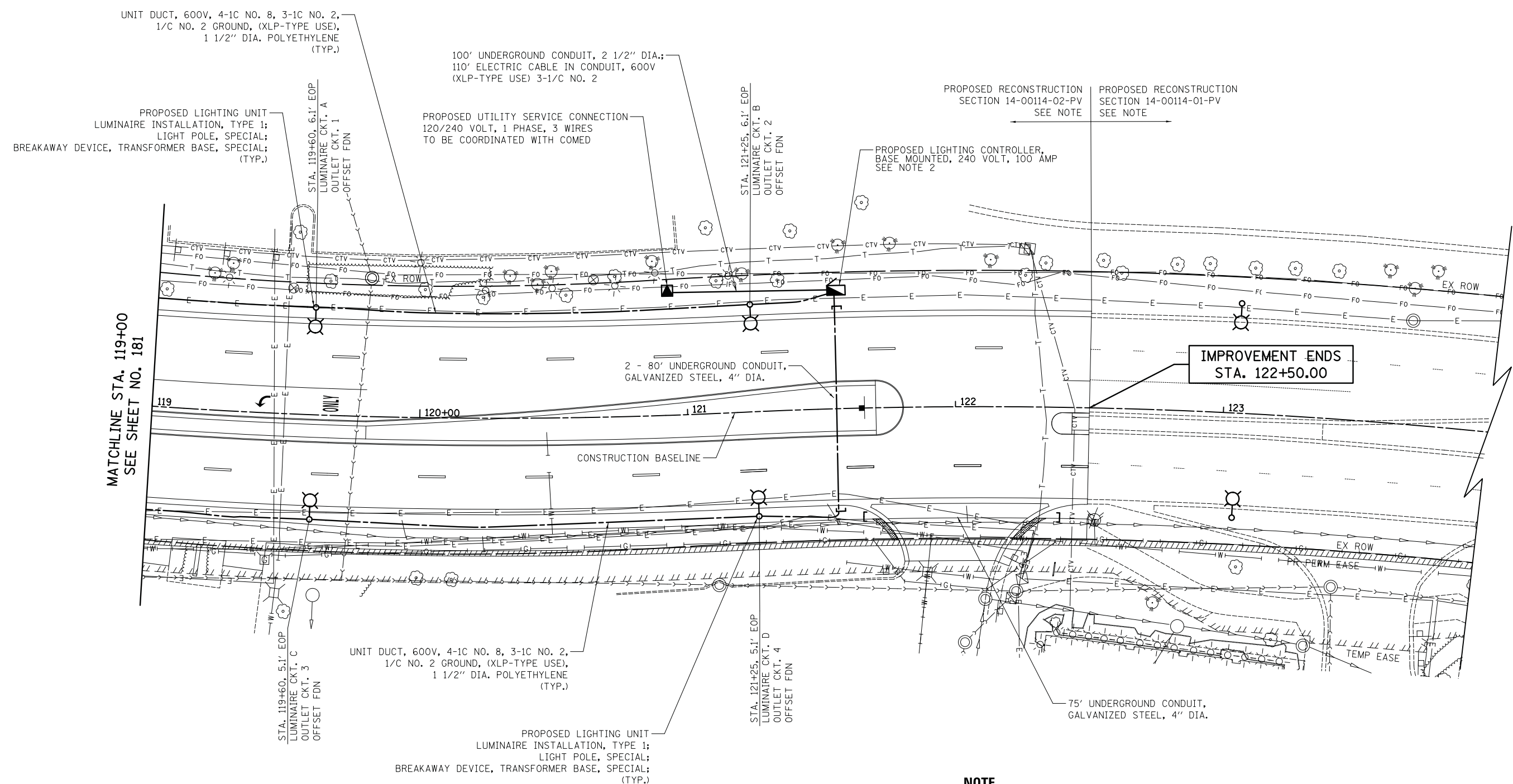
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PLOT DATE = 2/4/2019	CHECKED - DNM	REVISED -
	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING PLAN**

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 114+00 TO STA. 119+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	181
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



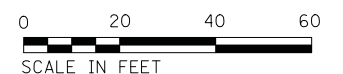
MATCHLINE STA. 119+00  
SEE SHEET NO. 181

IMPROVEMENT ENDS  
STA. 122+50.00

**NOTE**

1. PROPOSED RECONSTRUCTION SECTION 14-00114-01-PV AND SECTION 14-00114-02-PV WILL BE ON THE SAME LETTING. THE PROPOSED LIGHTING FOR BOTH SECTIONS WILL BE ON ONE LIGHTING SYSTEM POWERED FROM PROPOSED LIGHTING CONTROLLER AT APPROXIMATE STATION 121+55.
2. CONTROLLER CABINET DOOR SHALL BE ON THE PARKWAY SIDE OF THE CABINET, OPPOSITE THE ROADWAY. THE DOOR HINGE SHALL BE ON THE DOWNSTREAM SIDE OF THE CABINET SO THAT THE DOOR, WHEN OPEN, DOES NOT BLOCK THE VIEW OF ONCOMING TRAFFIC.

**WOODFIELD ROAD**



FILE NAME = ...\\16-Lighting\3025.LT.14.dgn



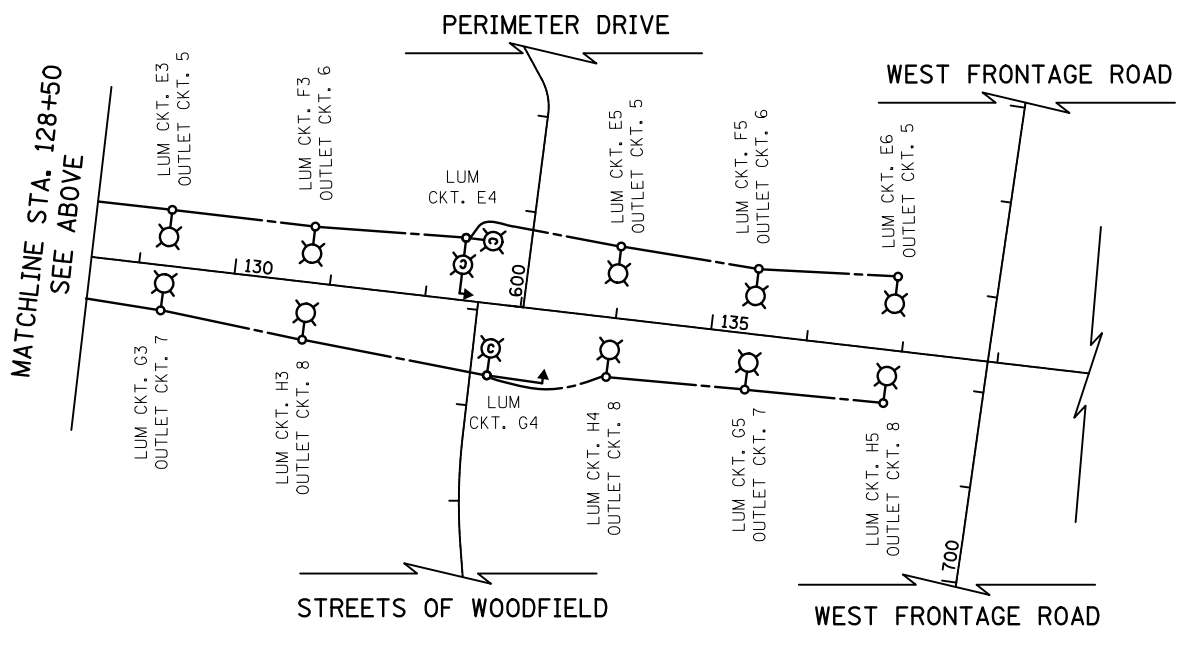
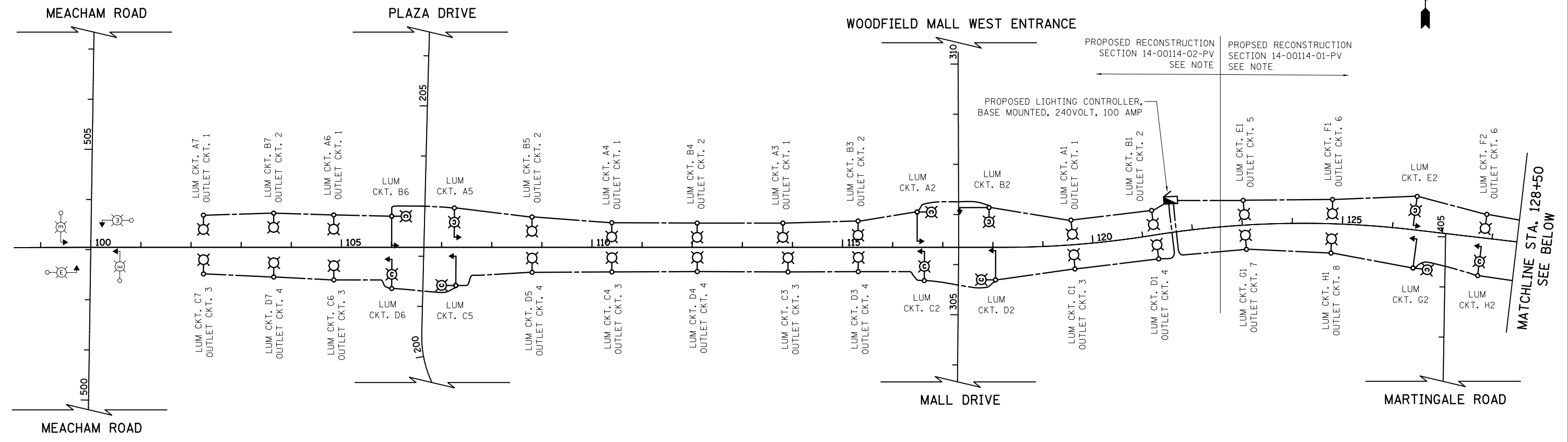
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PLOT DATE = 2/4/2019	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING PLAN**

SCALE: 1" = 20' SHEET 5 OF 5 SHEETS STA. 119+00 TO STA. 122+50

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	182
<b>CONTRACT NO. 61F10</b>				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PROPOSED LIGHTING UNIT  
PHILIPS LUMEC TR20 130 WATT LED, 240V (PHASE TO PHASE)  
38 FT ALUMINUM POLE (35 FT M.H.), 3.6 FT MAST ARM
- PROPOSED COMBINATION TRAFFIC SIGNAL AND STREET LIGHT  
AMERICAN ELECTRIC LIGHTING ATB2  
214 WATT LED, 240V (PHASE TO PHASE)  
45 FT M.H., 15 FT MAST ARM  
WIRED AND POWERED FROM LIGHTING CONTROLLER
- PROPOSED LIGHTING CONTROLLER  
120/240 VOLT
- PROPOSED UNIT DUCT  
(AS SPECIFIED IN THE PLANS)
- EXISTING COMBINATION LIGHTING

**NOTE**

PROPOSED RECONSTRUCTION SECTION 14-00114-01-PV AND SECTION 14-00114-02-PV WILL BE ON THE SAME LETTING. THE PROPOSED LIGHTING FOR BOTH SECTIONS WILL BE ON ONE LIGHTING SYSTEM POWERED FROM PROPOSED LIGHTING CONTROLLER AT APPROXIMATE STATION 121+55.

BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V	RED CABLE	QTY	@240V AMPS	KW LOAD @ 120V
A	7	5.4	0.65	A	7	5.4	0.65
B	7	5.4	0.65	B	7	5.4	0.65
C	7	5.4	0.65	C	7	5.4	0.65
D	7	5.4	0.65	D	7	5.4	0.65
E	6	4.3	0.52	E	6	4.3	0.52
F	5	3.7	0.44	F	5	3.7	0.44
G	5	4.1	0.49	G	5	4.1	0.49
H	5	4.1	0.49	H	5	4.1	0.49
1	5	12.5	1.50	2	5	12.5	1.50
3	5	12.5	1.50	4	5	12.5	1.50
5	4	10.0	1.20	6	4	10.0	1.20
7	3	7.5	0.90	8	4	10.0	1.20
<b>TOTAL</b>	<b>80.3</b>	<b>9.64</b>		<b>TOTAL</b>	<b>82.8</b>	<b>9.94</b>	

130 WATT LED LUMINAIRE (240V) = 0.65 AMP  
216 WATT COMBINATION LED LUMINAIRE (240V) = 1.08 AMP  
OUTLET CKTS. 1 - 8 (120 V) = 2.5 AMPS

FILE NAME = ...\3025.LT.15 Wiring Diagram.dgn



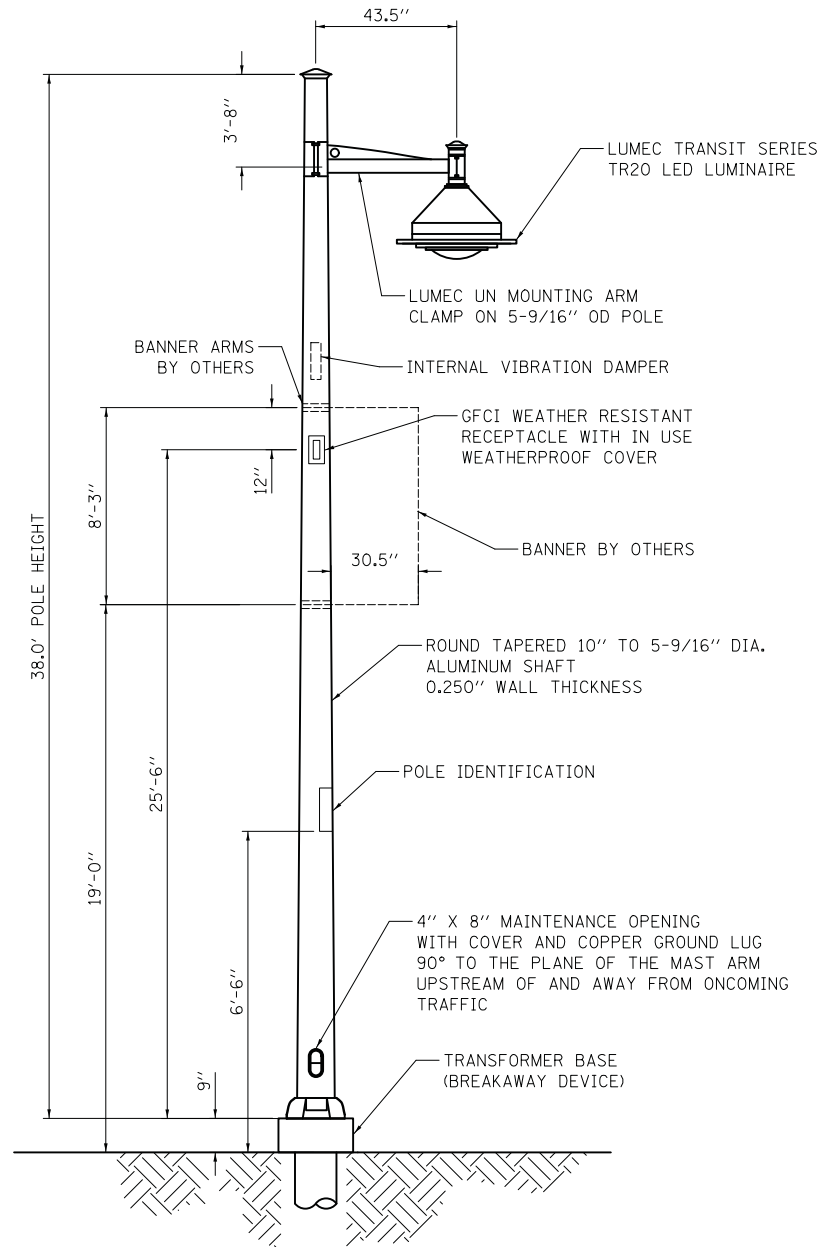
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PLOT DATE = 2/4/2019	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING WIRING DIAGRAM**

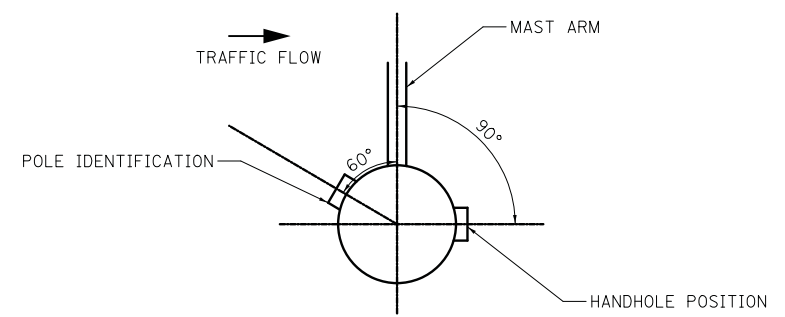
SCALE: NTS SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	183
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

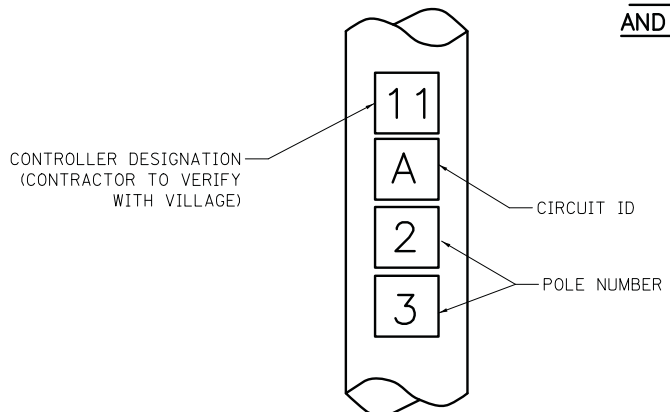


NOTE: HANDHOLE COVERS SHALL BE ATTACHED TO POLE WITH #14 SPANNER SCREWS WITH ANTI-SEIZE COMPOUND.

**LIGHTING UNIT**  
(NOT TO SCALE)



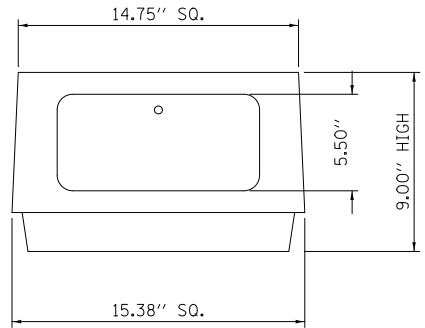
**POSITION OF HANDHOLE AND POLE IDENTIFICATION**



NOTES:

- 4" HIGH WHITE LETTERS SCREENED ON A 4-1/2" X 4" RED, PRESSURE SENSITIVE AND REFLECTIVE BACKGROUND.
- THE CONTRACTOR SHALL COORDINATE LIGHT POLE AND CONTROLLER IDENTIFICATION NUMBERS WITH THE VILLAGE PRIOR TO CONSTRUCTION.

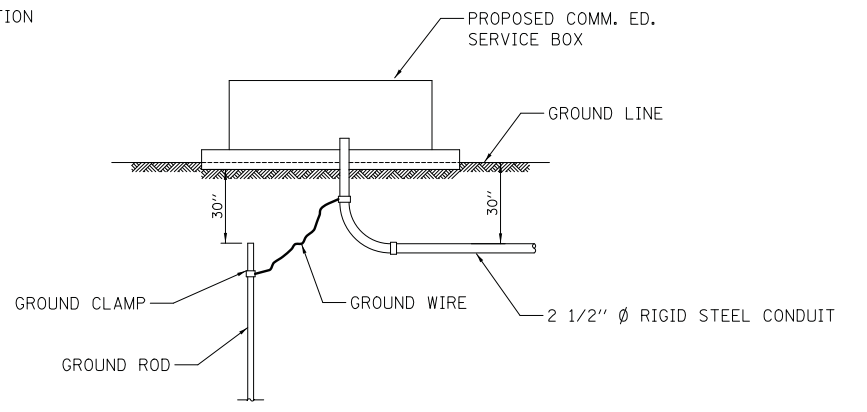
**POLE IDENTIFICATION**



NOTES:

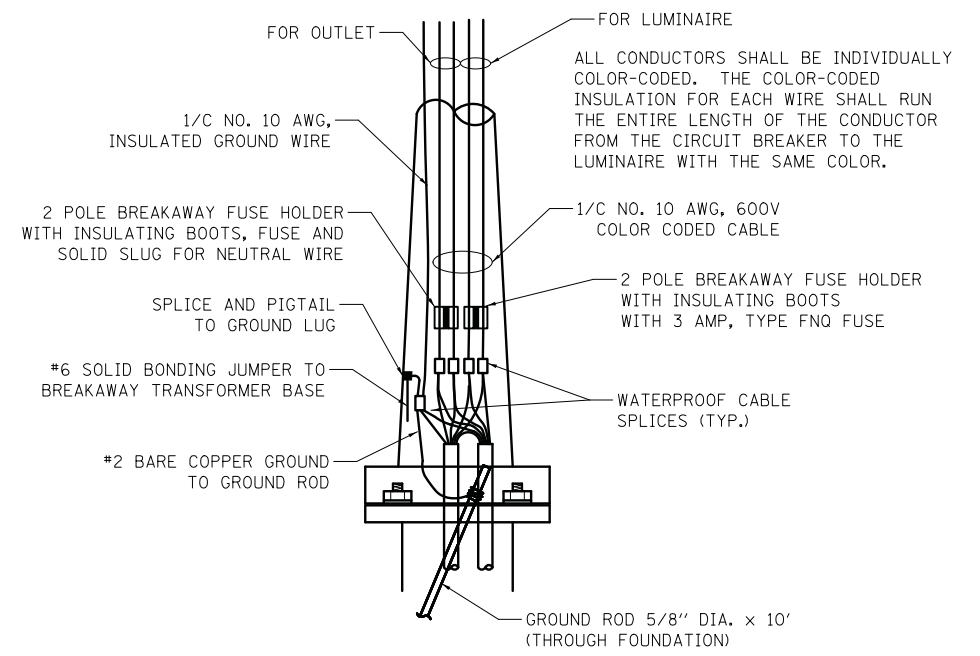
- HARDWARE: CARRIAGE BOLTS SHALL BE USED WITH FLAT WASHER, LOCK WASHER, AND NUTS. NO THREADED ROD ALLOWED.
- GROUNDING: AREA WHERE THE GROUND WIRE ATTACHES TO TRANSFORMER BASE MUST BE SCRATCHED TO ENSURE EFFECTIVE BONDING.
- TRANSFORMER BASE SHALL BE POWDER COATED TO MATCH POLE COLOR.

**TRANSFORMER BASE (BREAKAWAY DEVICE)**



NOTE: GROUND ROD, GROUND CLAMPS & GROUND WIRE TO BE IN ACCORDANCE WITH COMM. ED. REQUIREMENTS.

**PROPOSED SERVICE INSTALLATION**



**ROADWAY POLE HANDHOLE WIRING DIAGRAM**

FILE NAME = ...3025-LT\_16 Details.dgn



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PLOT SCALE = 5.0000' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 2/4/2019	CHECKED - DNM	REVISED -
	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

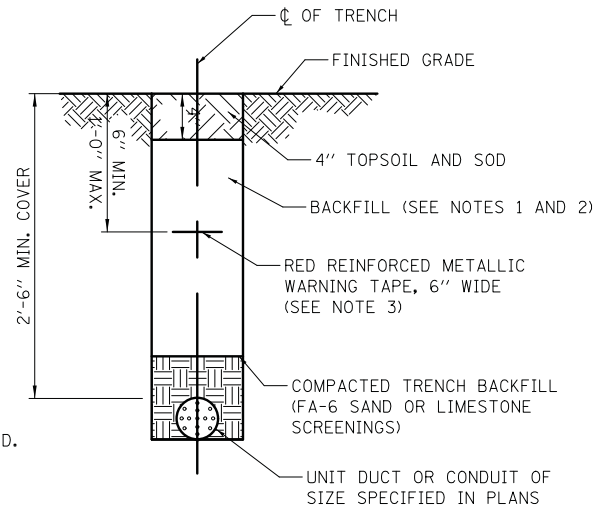
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING DETAILS**

MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 184
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

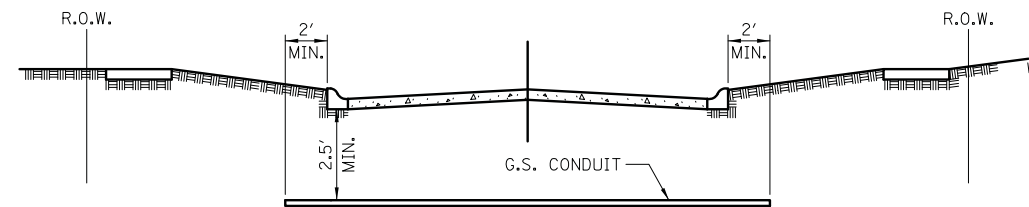
SCALE: NTS SHEET 1 OF 3 SHEETS

**NOTES:**

1. IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
2. TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
3. WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
4. ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.

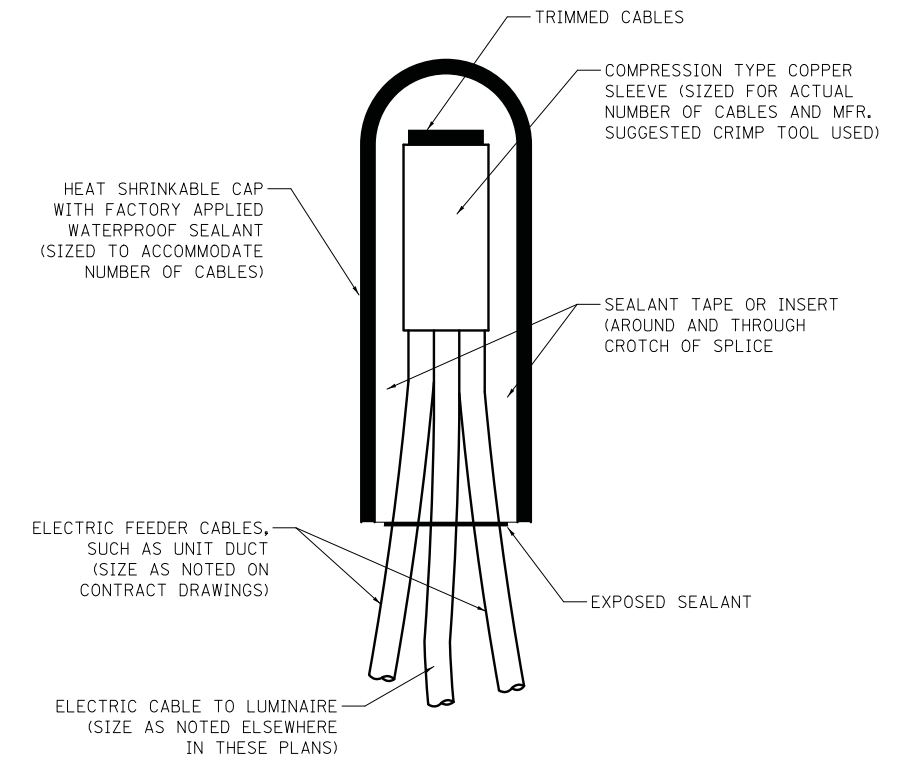


**TYPICAL TRENCH CROSS SECTION**



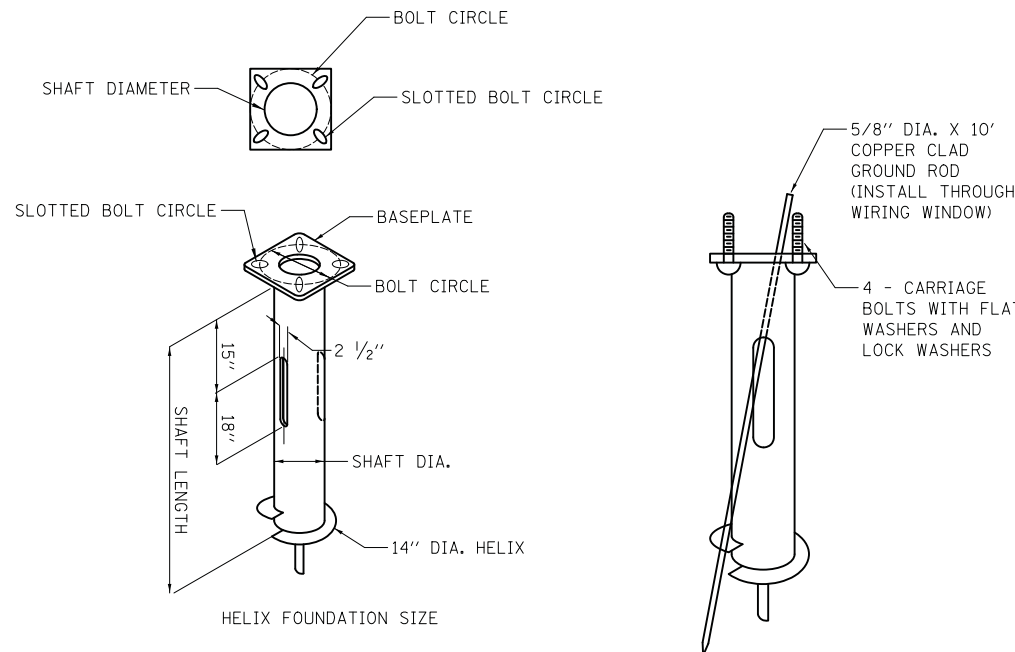
- ① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
- ② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF CURB.

**ELECTRICAL CONDUIT UNDER PAVEMENT**



NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

**SPLICING ELECTRIC CABLES  
BASIC MATERIALS AND METHODS**



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

**NOTES FOR METAL FOUNDATION**

1. METAL FOUNDATION SHALL BE THE FOUNDATION USED FOR ALL LIGHTING AND DECORATIVE LIGHTING UNITS UNLESS CONDITIONS IN THE FIELD MAKES IT IMPOSSIBLE TO USE METAL FOUNDATIONS, THEN AN OFFSET FOUNDATION SHALL BE USED WITH ENGINEER APPROVAL.
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" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. CUT TWO SLOTS IN THE SHAFT AT 180 DEGREE FOR UNIT DUCTS AND CABLES ENTERING AND LEAVING THE POLE FOUNDATION.
5. TOP PLATE SHALL BE PERMANENTLY MARKED WITH THE CABLING SLOT LOCATIONS.
6. HELIX FOUNDATION SHALL BE INSTALLED VERTICAL AND THE BASEPLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
7. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
8. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASEPLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
9. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
10. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
11. GROUND ROD, 5/8" DIA. x 10', THROUGH FOUNDATION WILL BE REQUIRED AND INCLUDED ON ALL LIGHT POLE FOUNDATIONS INCLUDING METAL FOUNDATIONS.

12. 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. 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.
13. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ( $\pm 1^\circ$ ) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC ( $\pm 0.188$ ) TO THE SHAFT AXIS.
14. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC ( $\pm 0.125$ ) AND IN LINE ( $\pm 2^\circ$ ).
15. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.
16. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

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

**POLE FOUNDATION METAL**

HELIX MUST BE FORMED BY MATCHING METAL DIE (SIDE VIEW OF TRUE HELICAL FORM)

FILE NAME = ...3025-LT.17 Details.dgn



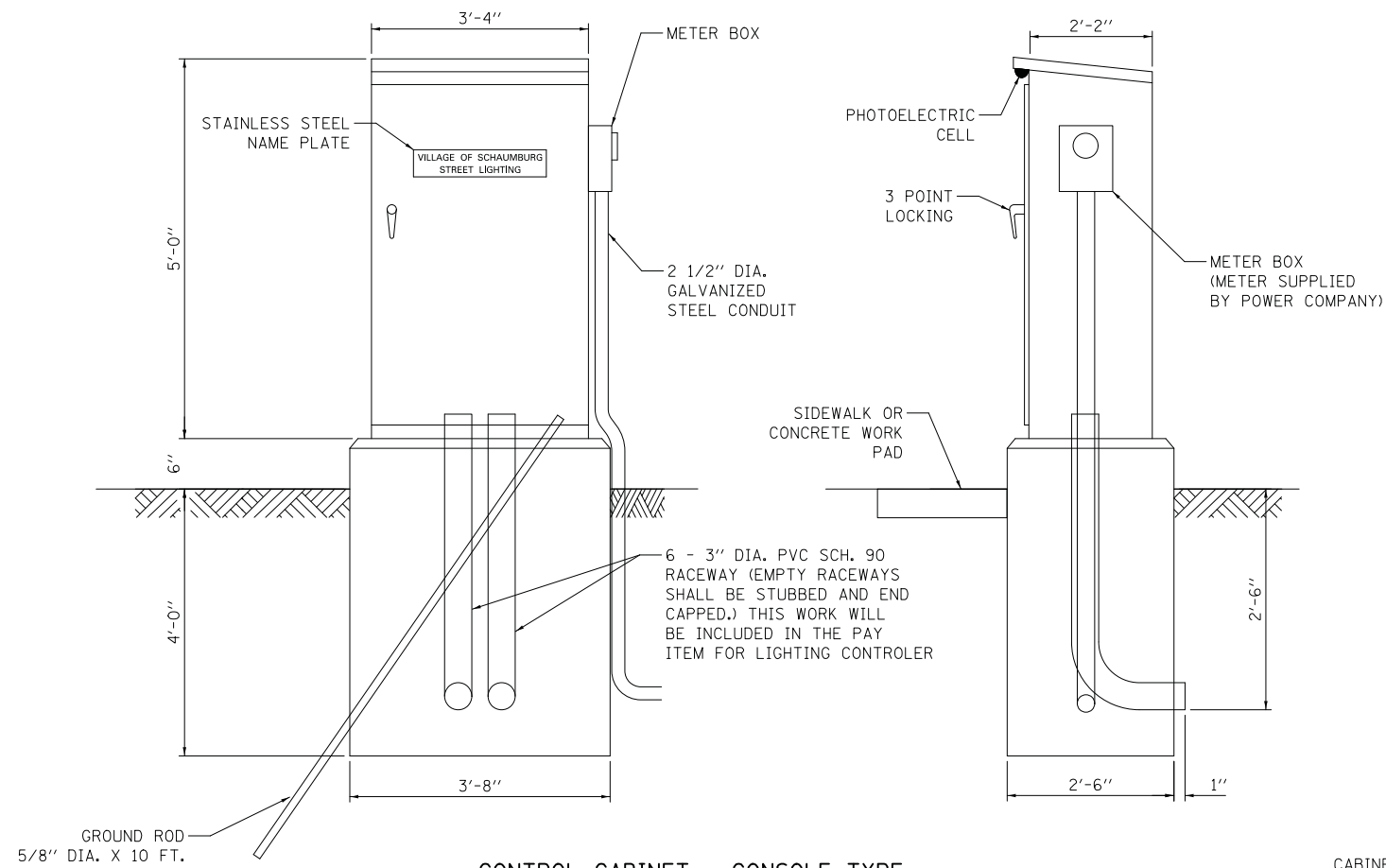
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING DETAILS**

SCALE: NTS SHEET 2 OF 3 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	185
				CONTRACT NO. 61F10
ILLINOIS FED. AID PROJECT				



**CONTROL CABINET - CONSOLE TYPE**

LIGHTING CONTROLLER COMPONENT SCHEDULE	
ITEM	SPECIFICATION OR EQUAL
① MAIN CIRCUIT BREAKER	100 AMPERE, 2 POLE, 240 VOLT RATING INTERRUPTING CAPACITY NOT LESS THAN 25,000 RMS SYMMETRICAL AMPS AT 600V
② OUTLET CIRCUIT BREAKER	20 AMPERE, 1 POLE, 120 VOLT RATING INTERRUPTING CAPACITY NOT LESS THAN 14,000 RMS SYMMETRICAL AMPS AT 277V
③ PHOTOELECTRIC CELL CONTROL CIRCUIT BREAKER	15 AMPERE, 1 POLE, 120 VOLT RATING INTERRUPTING CAPACITY NOT LESS THAN 14,000 RMS SYMMETRICAL AMPS AT 277V
④ AUXILIARY RELAY	120 VOLT SPST 60 HZ COIL
⑤ FOUR POINT TERMINAL BLOCK	600 VOLT
⑥ LAMPHOLDER	120 VOLT SWITCHED LAMPHOLDER
⑦ REMOTE CONTROL SWITCH - CONTACTOR	100 AMPERE, 2 POLE, 240 VOLT RATING, 120V COIL SQUARE D ELECTRICALLY OPERATED, MECHANICALLY HELD LIGHTING CONTACTOR
⑧ BRANCH LINE CIRCUIT BREAKERS	CKTS. A - H = 30 AMP, 2 POLE, 240 VOLT RATING CKTS. 1 - 8 = 20 AMP, 1 POLE, 120 VOLT RATING ALL CIRCUITS SHALL BE INTERRUPTING CAPACITY NOT LESS THAN 10,000 RMS SYMMETRICAL AMPS
⑨ PHOTOELECTRIC CELL CONTROL WIRE	3-600V XLP NO. 10
⑩ SERVICE CABLES	3-600V (XLP-TYPE USE) NO. 2
⑪ CONTROL WIRE	2-600V XLP NO. 10
⑫ HAND-AUTO-OFF CONTROL SWITCH	10 AMPERE, 3 POLE, 120 VOLT.
⑬ LIGHTING ARRESTOR	BRACKET MOUNTED SURGE ARRESTOR FOR 120/240V 3W SERVICE
⑭ PHOTOELECTRIC CELL	120 SECONDS OFF TIME DELAY, 120V
⑮ MICRO SWITCH	MOUNT WITH ACTUATOR TO SWITCH WHEN DOOR IS OPEN
⑯ FUSE	20 AMP, 120 VOLT
⑰ OUTLET	120 VOLT SWITCHED LAMPHOLDER AND 20 AMP GFI DUPLEX RECEPTACLE. WEATHERPROOF SINGLE GANG CAST ALUMINUM BOX AND WEATHERPROOF COVER.

**NOTES FOR CONTROL CABINET:**

THE CABINET SHALL BE FABRICATED FROM 0.125" THICK ALUMINUM ALLOY SHEET AND SHALL BE REINFORCED WITH ALUMINUM ANGLES. THE CABINET DOOR SHALL BE NEMA TYPE 3 CONSTRUCTION WITH NEOPRENE GASKET. THE DOOR SHALL HAVE STAINLESS STEEL HINGES AND THREE POINT LOCKING SYSTEM.

CONTROL WIRING SHALL BE NO. 12 AWG., 600V, TYPE 'SIS' GRAY SWITCHBOARD WIRE, STRANDED COPPER.

THE HEADS OF CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BUS CONNECTION AND GREEN FOR GROUND BUS CONNECTORS.

PROVIDE SEALING GROMMETS FOR ALL WIRING EXTENDING FROM DEVICE ENCLOSURES.

ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL 'ENCLOSED INDUSTRIAL CONTROL PANEL'.

PROVIDE A HOLDER AND WATERPROOF POUCH ON THE INNER SIDE OF THE CONTROLLER DOOR. FURNISH THE APPROVED COPY OF 'CONTROL CABINET WIRING DIAGRAM'.

A CONCRETE PAD 36" X 60" X 4" MINIMUM SIZE SHALL BE PLACED IN FRONT OF CONTROLLER CABINET DOOR WHEN THERE IS NO SIDEWALK. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.

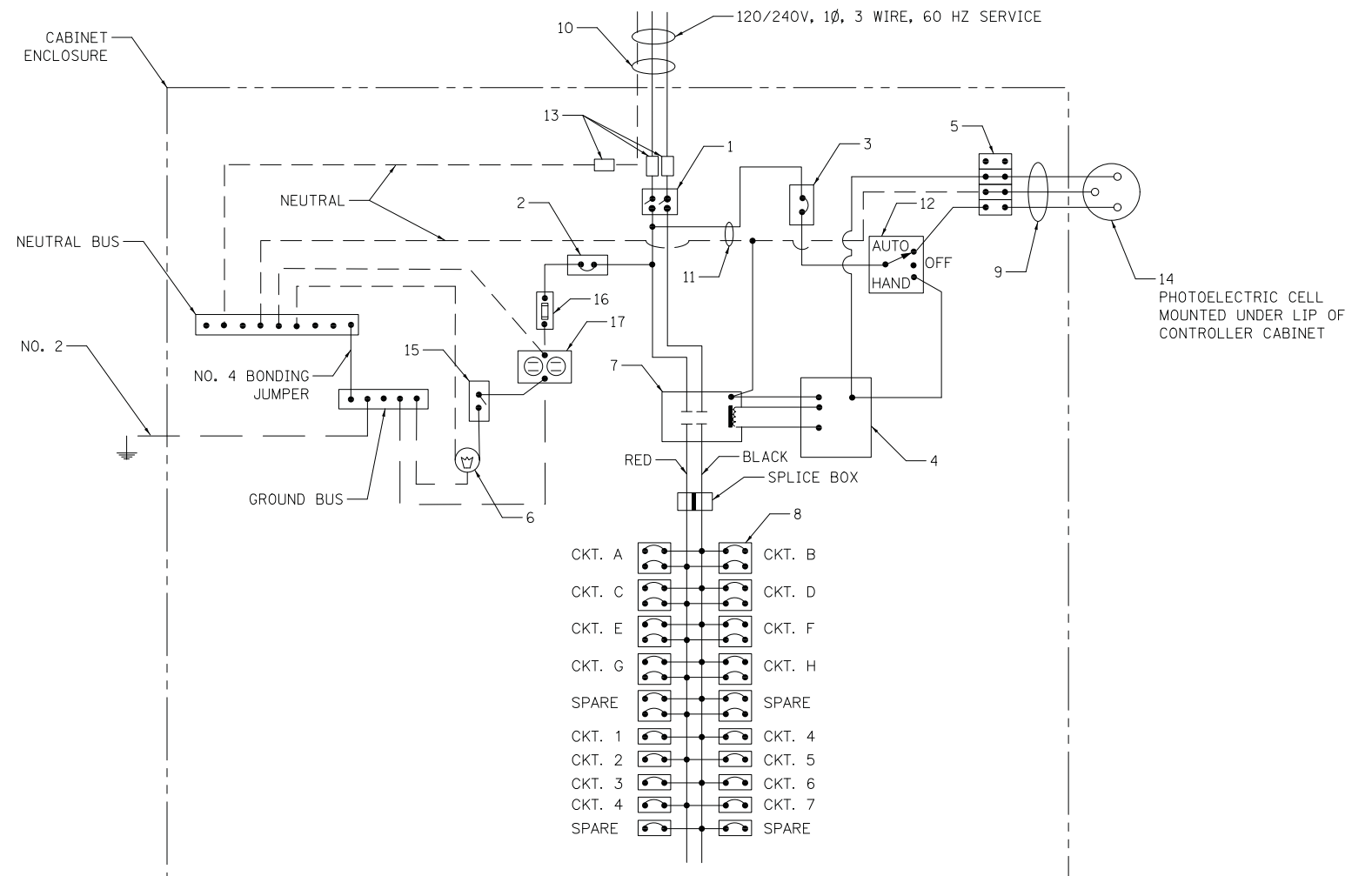
**CONTROLLER CABINET PAINTING NOTE:**  
THE CABINET SHALL BE PRIMED AND PAINTED GREEN. A SAMPLE SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. THE COST OF PAINTING THE CABINET SHALL BE INCLUDED IN THE COSTS OF MATERIAL AND INSTALLATION OF STREET LIGHTING CONTROLLER.

PROVIDE A RED WARNING NAMEPLATE IN THE CONTROLLER NEAR THE MAIN BREAKER INDICATING "LIVE CIRCUITS EVEN WHEN MAIN CIRCUIT BREAKER IS IN OFF POSITION".

THE PANEL MANUFACTURER SHALL PLACE ADHESIVE LABEL ON THE OUTSIDE OF THE DOOR OF THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.

CONTROLLER CABINET DOOR SHALL BE ON THE PARKWAY SIDE OF THE CABINET, OPPOSITE THE ROADWAY.

THE CABINET SHALL BE CAULKED ON BOTH THE INSIDE AND OUTSIDE WHERE THE BASE OF THE CABINET AND THE FOUNDATION MEET WITH SILICONE.



FILE NAME = ...3025.LT.18 Details.dgn



USER NAME = jet	DESIGNED - SJC	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 2/4/2019	CHECKED - DNM	REVISED -
	DATE - 01/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
LIGHTING DETAILS**

SCALE: NTS SHEET 3 OF 3 SHEETS

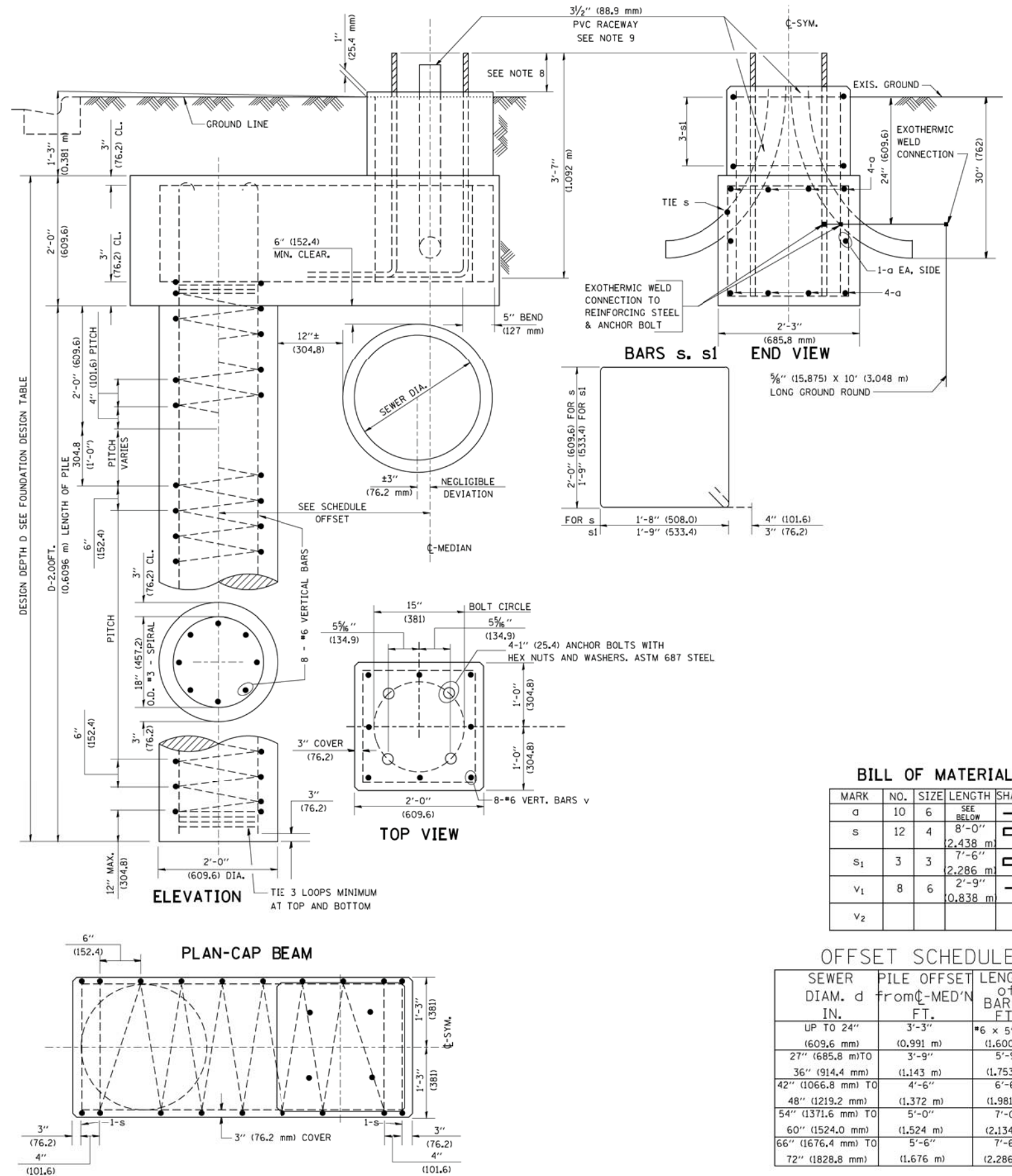
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	186
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

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

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.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s <sub>1</sub>	3	3	7'-6" (2,286 m)	□
v <sub>1</sub>	8	6	2'-9" (0,838 m)	—
v <sub>2</sub>				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET FROM C-MED'N IN.	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	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
42" (1066.8 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
48" (1219.2 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)
54" (1371.6 mm) TO		
60" (1524.0 mm)		
66" (1676.4 mm) TO		
72" (1828.8 mm)		

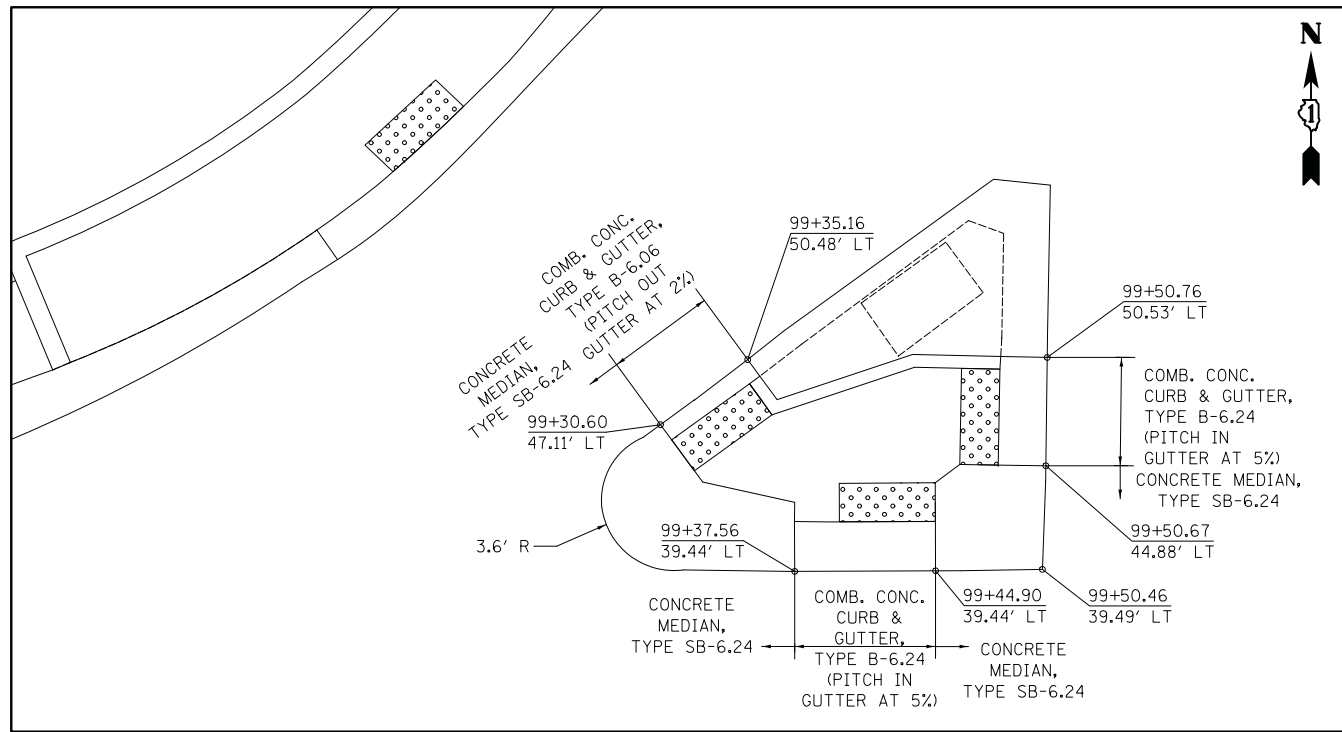
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

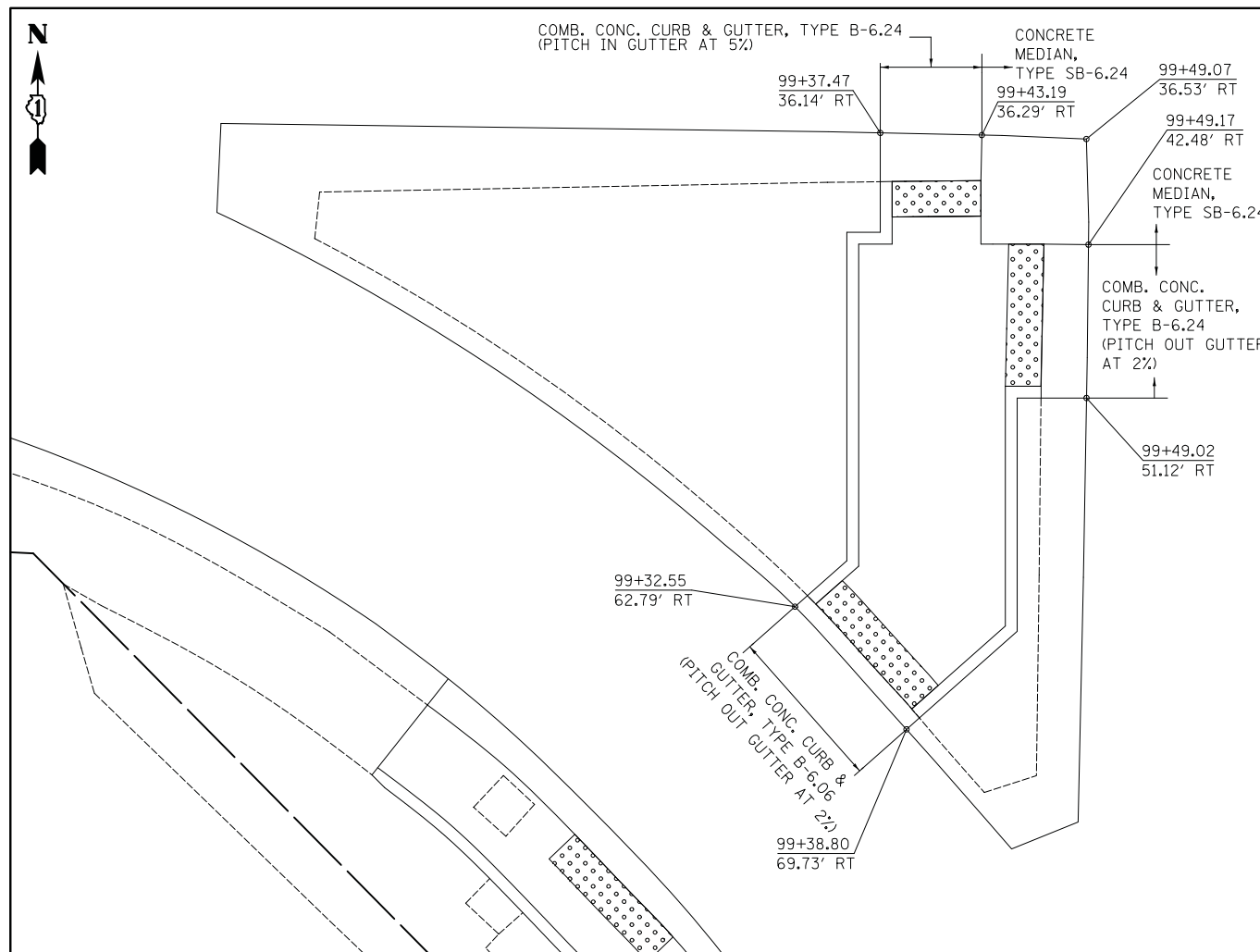
LIGHT POLE FOUNDATION OFFSET  
40' (12.192 m) TO 47 1/2' (14.478 m) M.H.  
15" (381 mm) BOLT CIRCLE

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

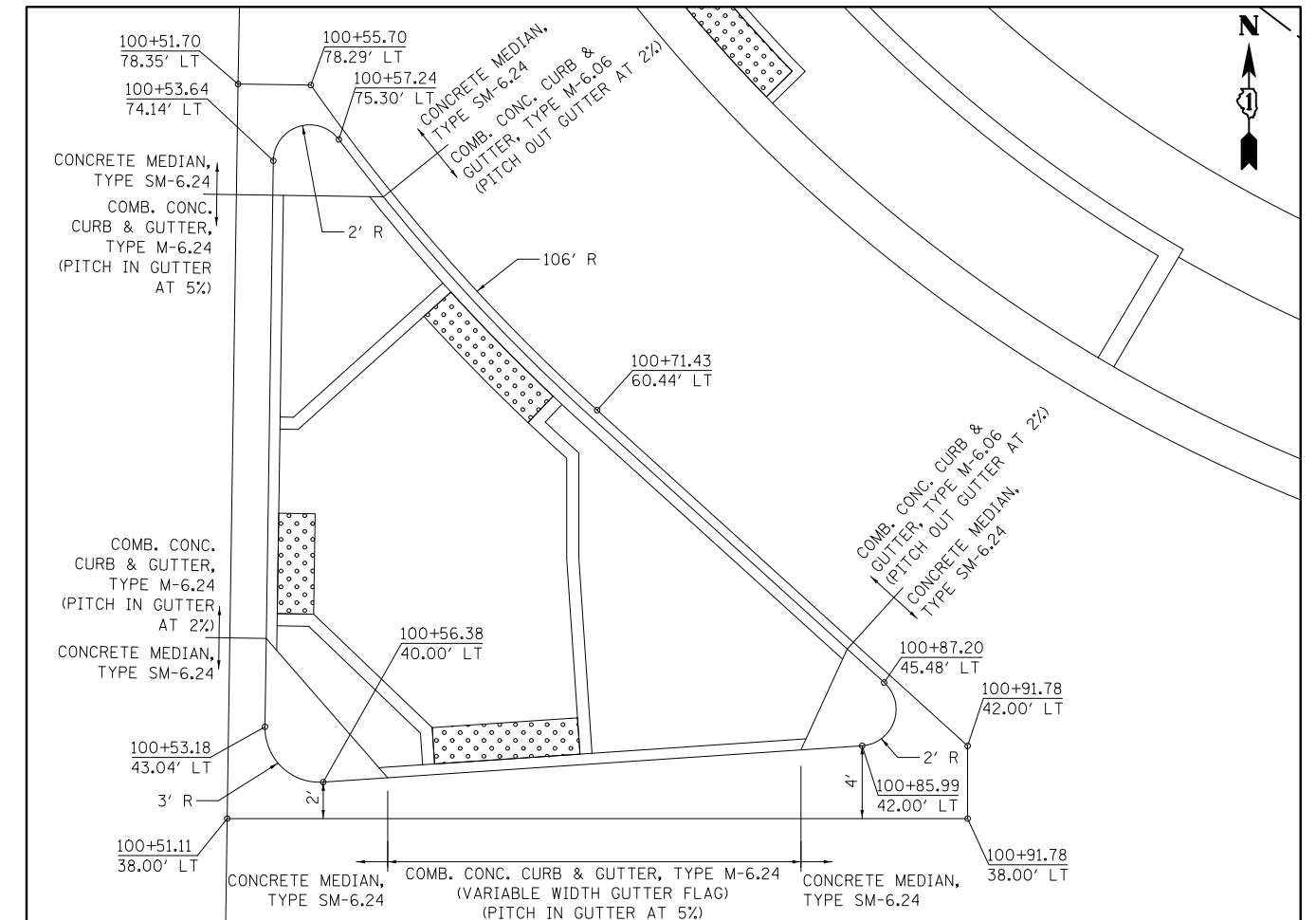
MUN. RTE. 3073	SECTION 14-00114-02-PV	COUNTY COOK	TOTAL SHEETS 246	SHEET NO. 187
BE-310		CONTRACT NO. 61F10		
ILLINOIS FED. AID PROJECT				



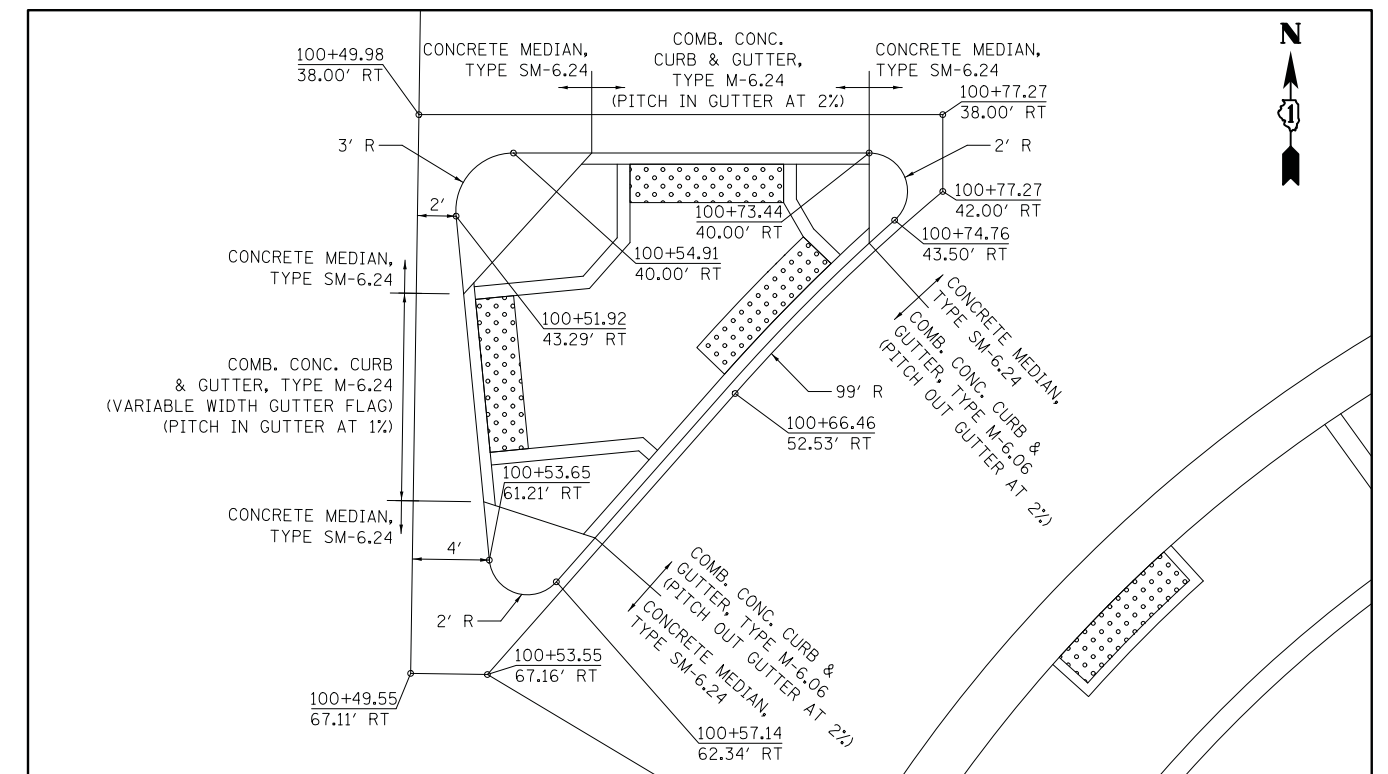
ISLAND AT NW CORNER OF MEACHAM ROAD AND WOODFIELD ROAD



ISLAND AT SW CORNER OF MEACHAM ROAD AND WOODFIELD ROAD



ISLAND AT NE CORNER OF MEACHAM ROAD AND WOODFIELD ROAD



ISLAND AT SE CORNER OF MEACHAM ROAD AND WOODFIELD ROAD



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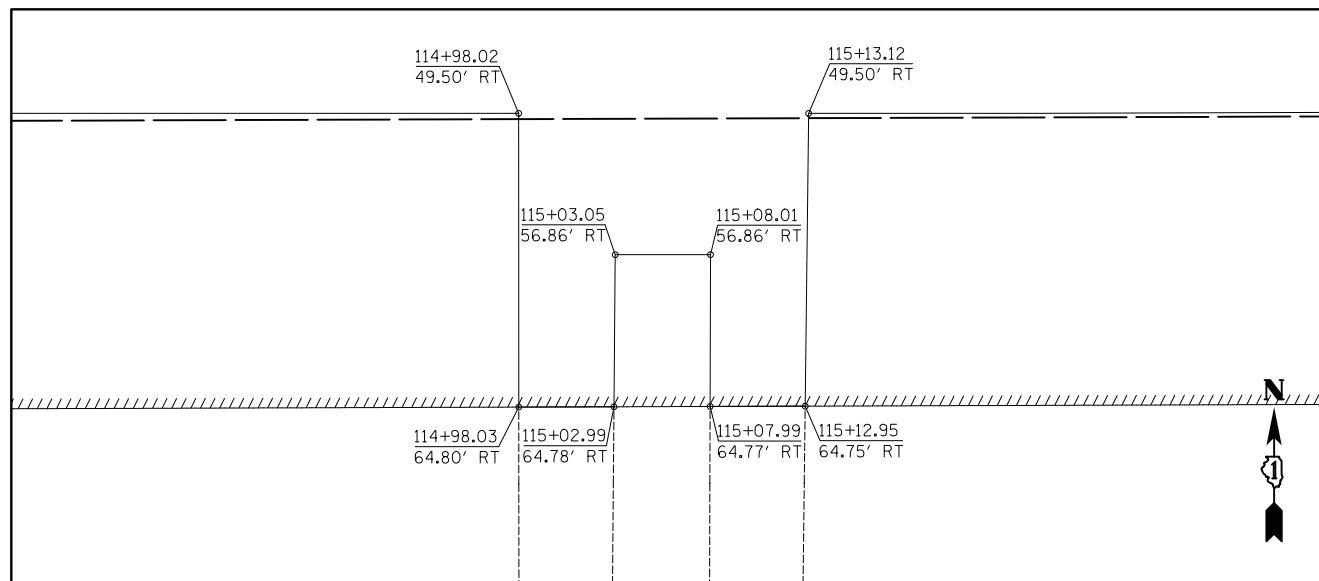
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
ROADWAY DETAILS

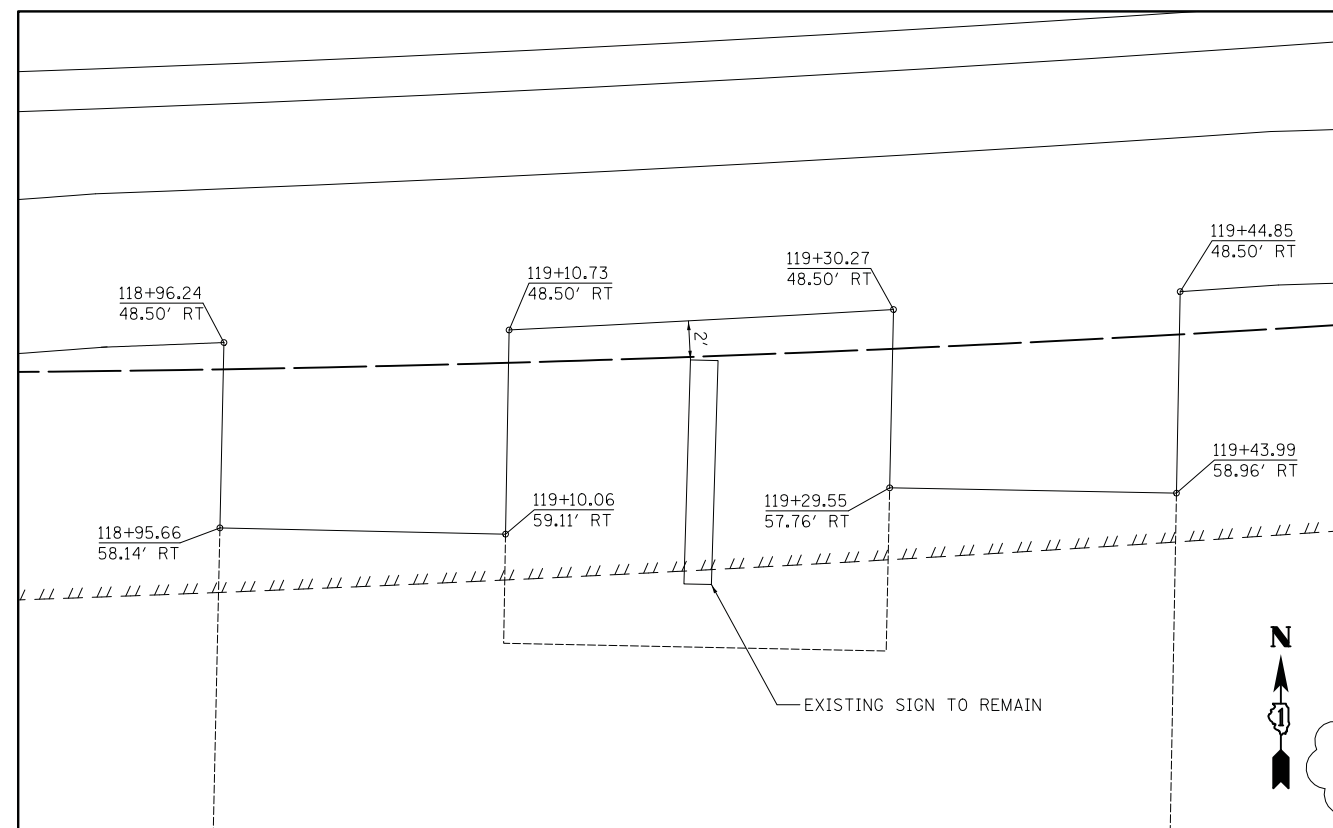
SCALE: 1"=5' SHEET 1 OF 4 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	188
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				





SIDEWALK AT 1699 E. WOODFIELD RD. ENTRANCE



SIDEWALK AT 1701 E. WOODFIELD RD. ENTRANCE



FILE NAME = ...3025\_Details\_02\_Sw.dgn



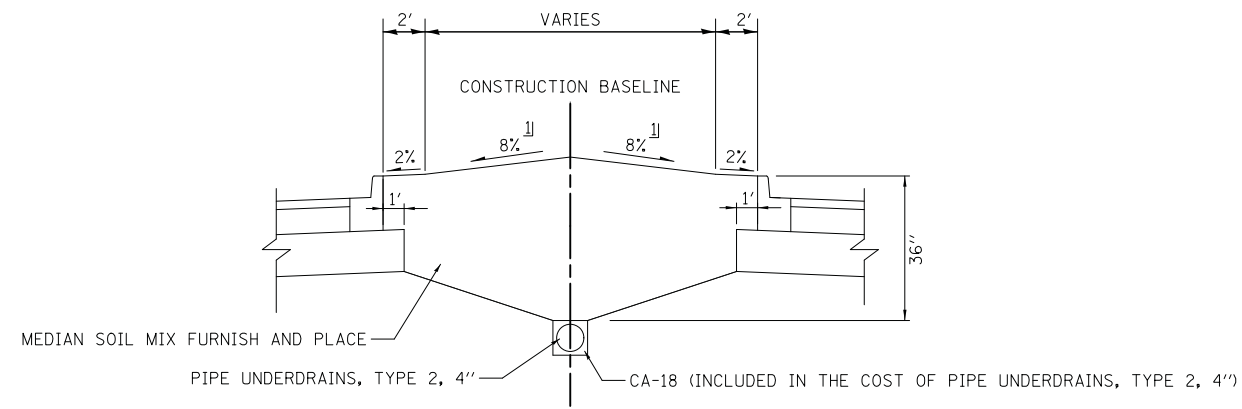
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PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
ROADWAY DETAILS

SCALE: 1"=5' SHEET 2 OF 4 SHEETS

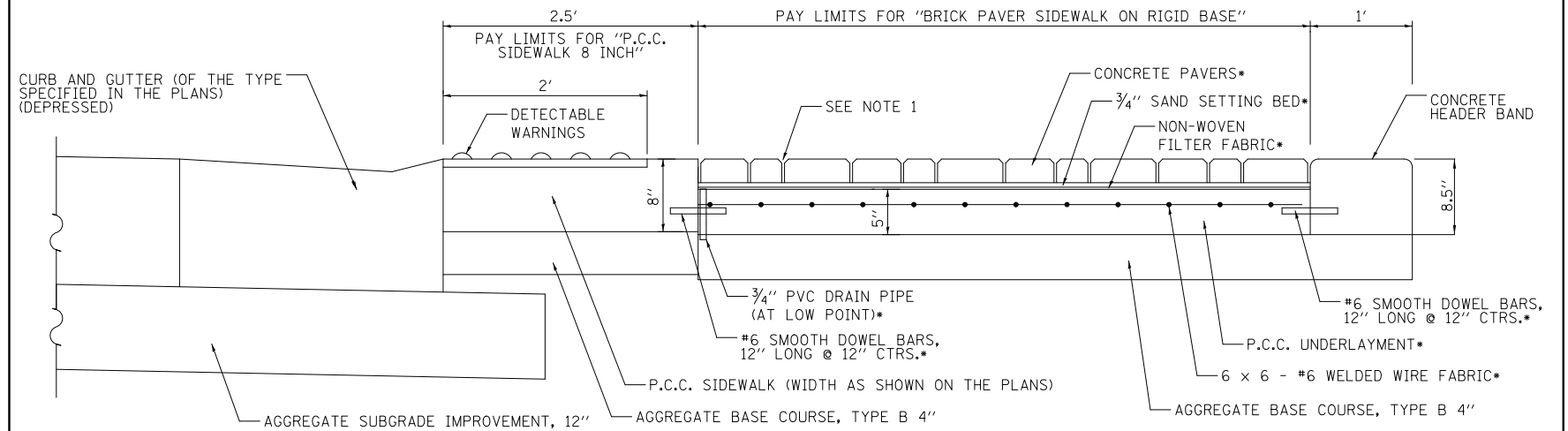
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	189
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



**LANDSCAPE MEDIAN DETAIL**

NOT TO SCALE

∩ VARY SLOPE ON SIDE OF LEFT TURN LANE TAPERS



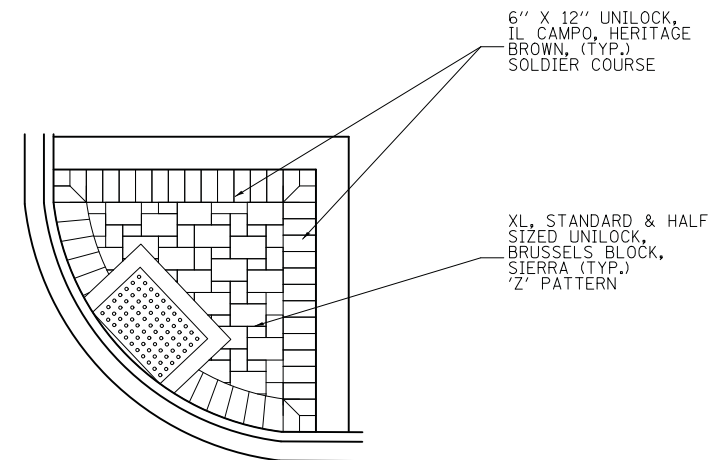
**CONCRETE PAVER SIDEWALK - CORNER DETAIL**

NOT TO SCALE

\* INCLUDED IN COST OF "BRICK PAVER SIDEWALK ON RIGID BASE"

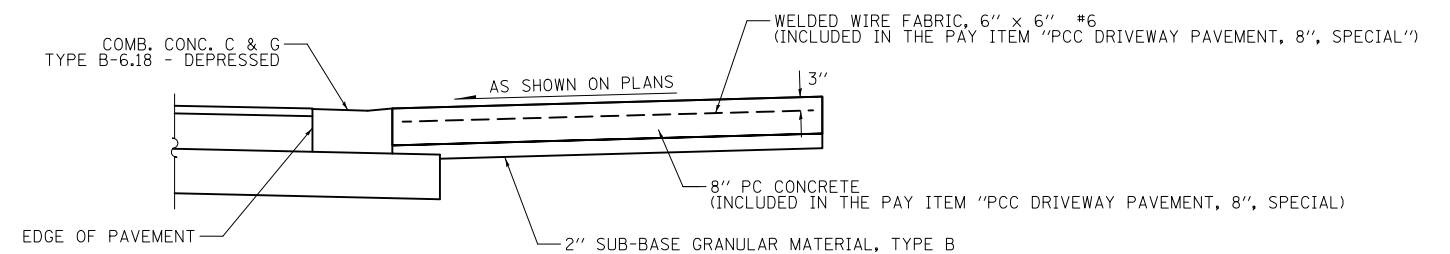
**NOTES:**

1. SWEEP SAND INTO JOINTS. MECHANICALLY COMPACT. REPEAT PROCEDURE AFTER 48 HOURS.



**PAVER PATTERN DETAIL (TYPICAL)**

NOT TO SCALE



**PCC COMMERCIAL DRIVEWAY DETAIL**

NOT TO SCALE

FILE NAME = ...17-Details\3025-Details\_03.dgn

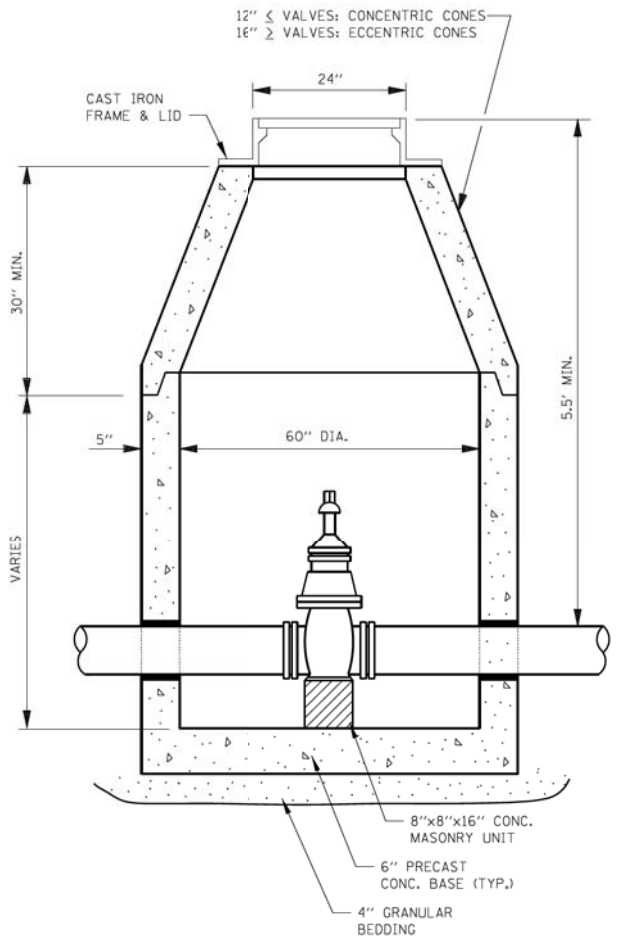
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

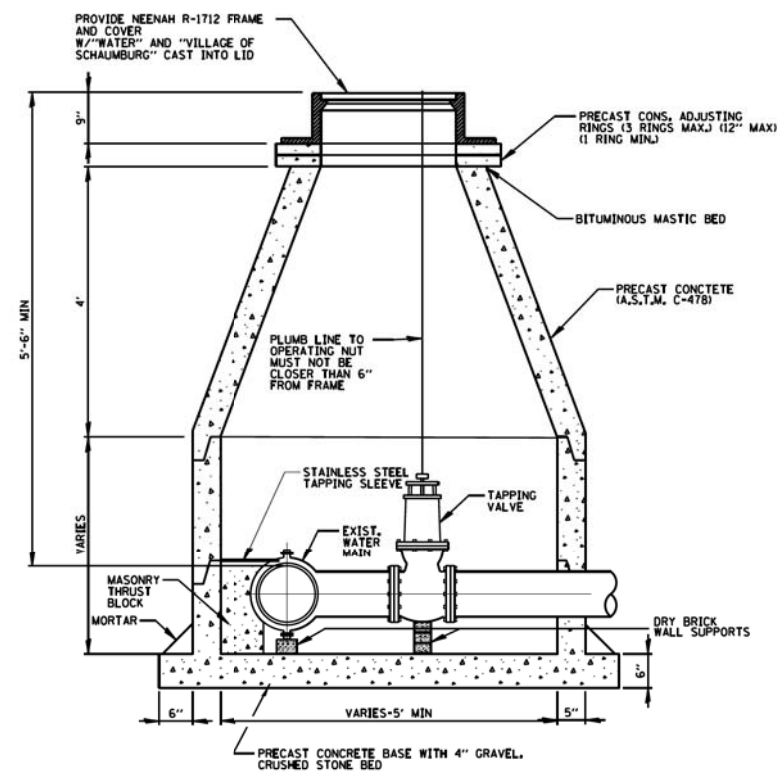
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
ROADWAY DETAILS**

SCALE: NTS SHEET 3 OF 4 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	190
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

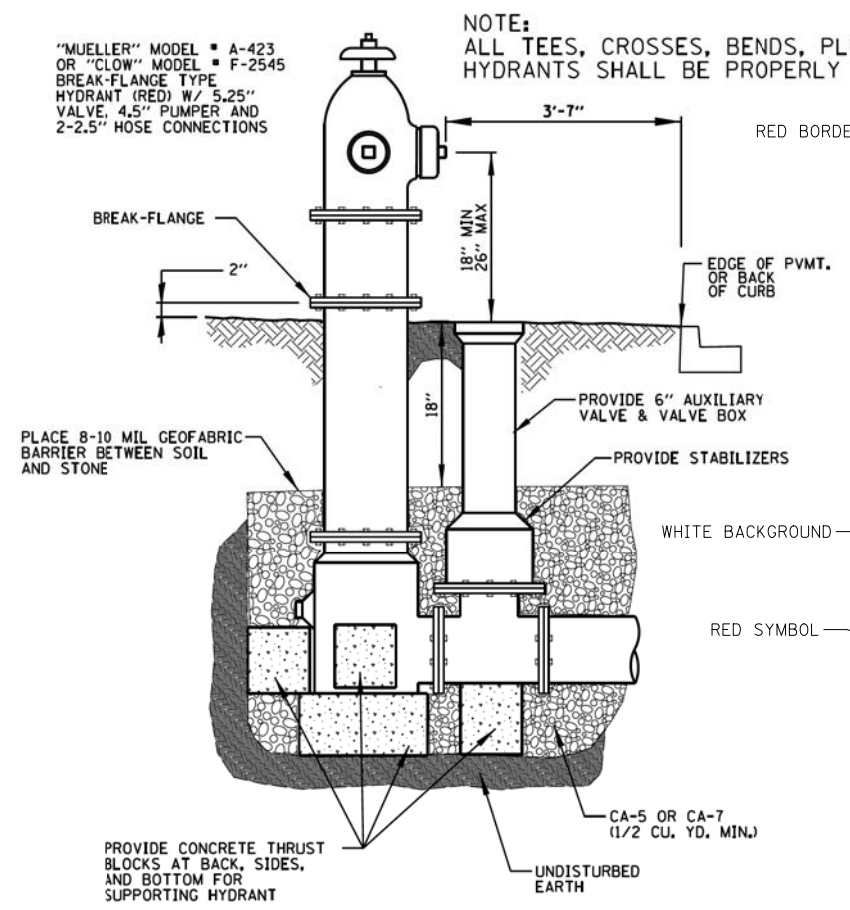


**VALVE VAULT TYPE A**

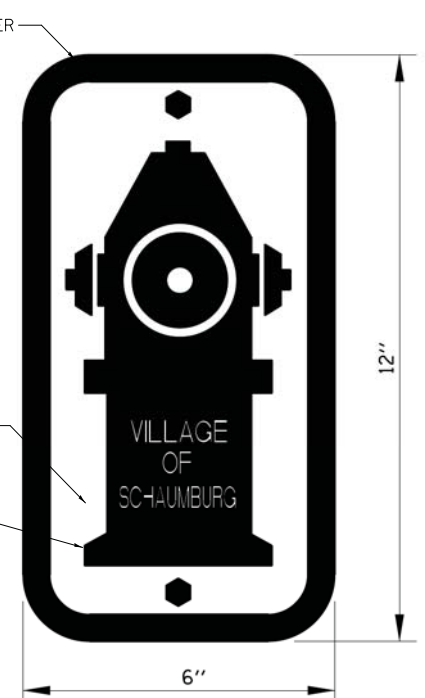


1. PIPE OPENINGS TO BE CAST INTO WALL.
2. PRECAST CONCRETE BASE TO BE CAST INTEGRAL WITH LOWEST WALL SECTION.
3. PRECAST SECTIONS TO BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH MASTIC TYPE BITUMINOUS JOINTING COMPOUND.
4. MASONRY THRUST BLOCK TO BE FULL WIDTH OF SLEEVE.

**PRESSURE CONNECTION IN VAULT**



**FIRE HYDRANT**



**HYDRANT SIGN**

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	DRAWN - KDC	REVISED -
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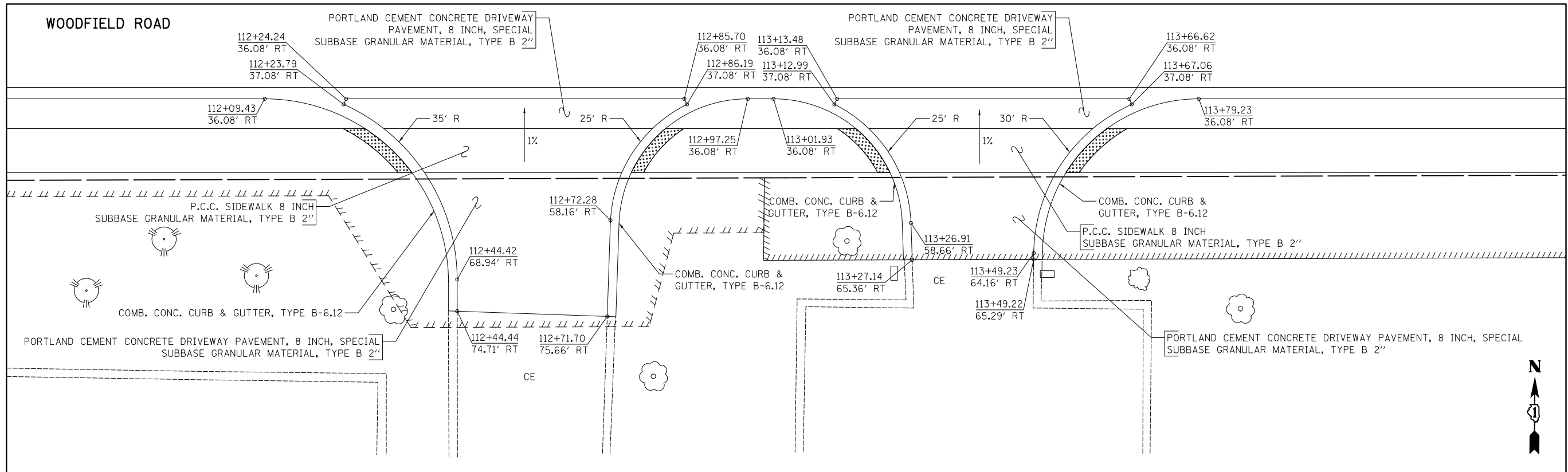
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
ROADWAY DETAILS**

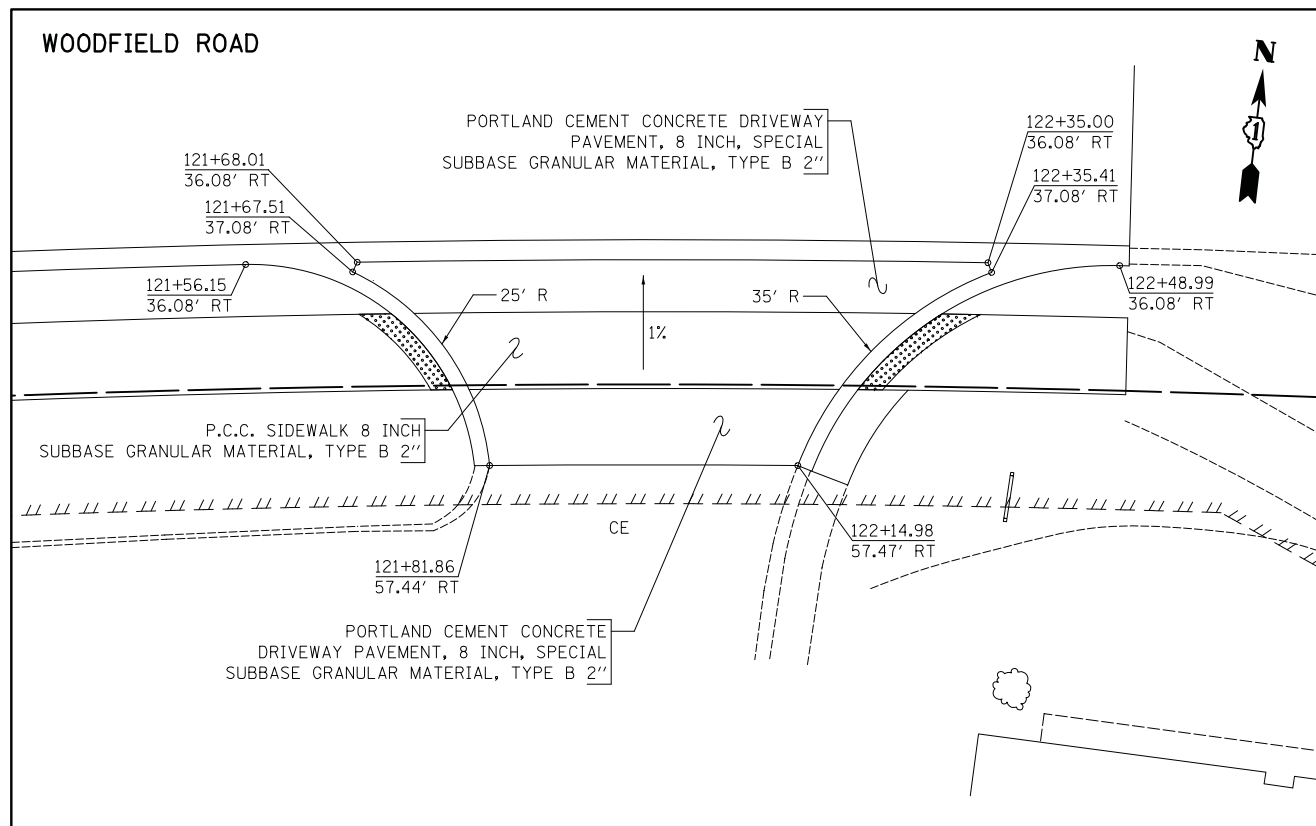
SCALE: NTS SHEET 4 OF 4 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	191
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

**HYDRANT SIGN**



DRIVEWAYS AT STA. 112+58 AND STA. 113+38



DRIVEWAY AT STA. 121+98.42



FILE NAME = ...3025\_Div\_Details\_01.dgn



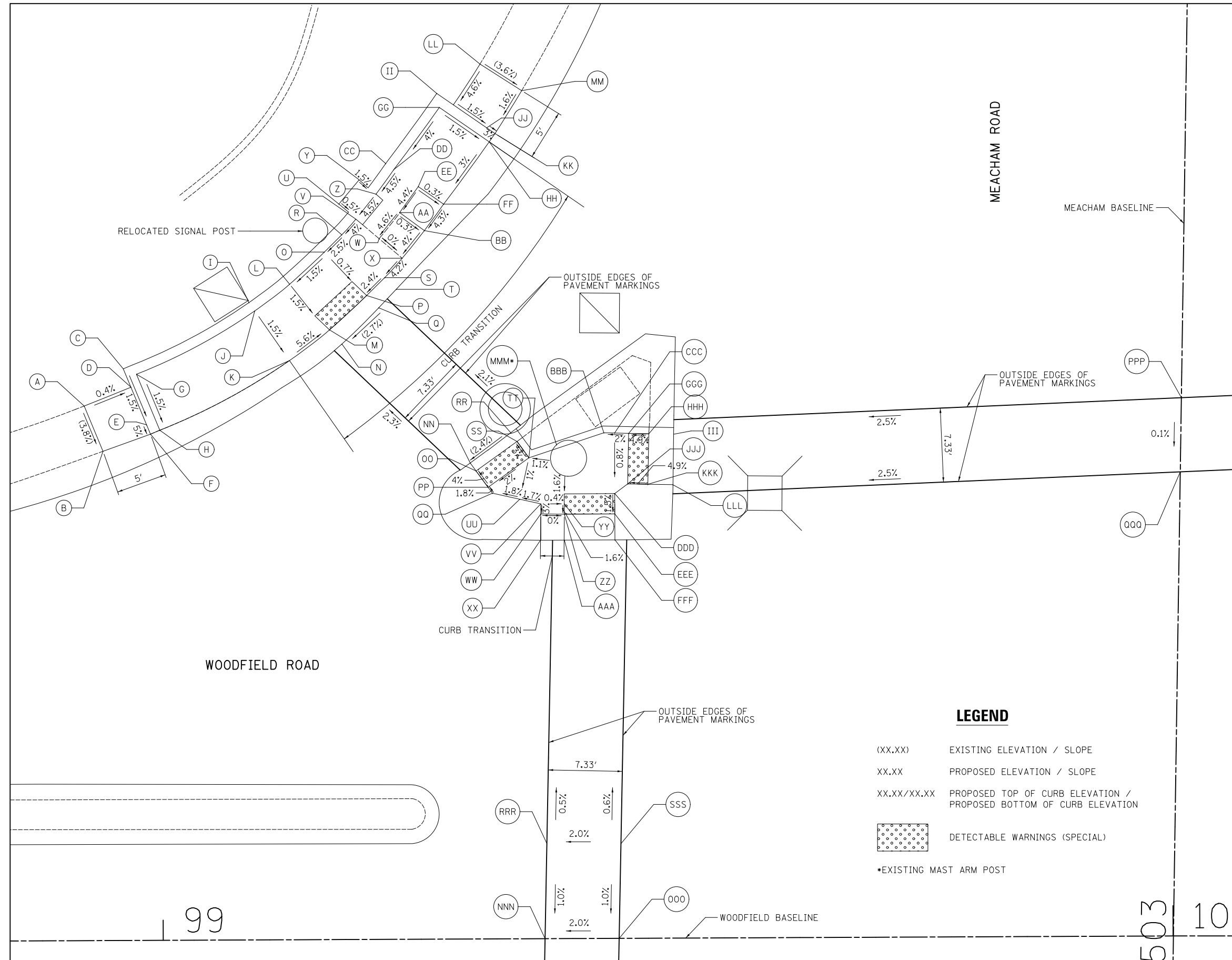
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PLOT DATE = 2/4/2019	CHECKED - DJK	REVISED -
	DATE - 2/1/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
DRIVEWAY DETAILS

SCALE: 1"=10' SHEET 1 OF 1 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	192
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



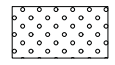
STATION	OFFSET	ELEVATION
A	503+55.55	108.62' LT (744.46)
B	503+51.10	106.69' LT (744.28)
C	503+59.29	104.81' LT (744.48)
D	503+57.48	104.02' LT (744.45)
E	503+53.78	102.41' LT (744.39)
F	503+52.86	102.02' LT (744.34)
G	503+58.77	103.49' LT (744.47)
H	503+53.27	101.10' LT (744.39)
I	503+66.02	92.46' LT (744.97)
J	503+65.21	91.87' LT (744.96)
K	503+60.35	88.36' LT (744.87)
L	503+67.91	88.46' LT (744.70)
M	503+63.45	84.44' LT (744.61)
N	503+62.06	83.20' LT (744.62)
O	503+71.13	85.07' LT (744.79)
P	503+66.90	80.82' LT (744.75)
Q	503+65.70	79.61' LT (744.76)
R	503+72.87	83.37' LT (744.84)
S	503+68.69	79.07' LT (744.81)
T	503+67.55	77.90' LT (744.81)
U	503+75.91	83.70' LT (744.94)
V	503+74.44	82.00' LT (744.93)
W	503+72.54	79.67' LT (744.92)
X	503+70.64	77.35' LT (744.92)
Y	503+78.34	81.73' LT (745.09)
Z	503+76.95	80.04' LT (745.08)
AA	503+75.16	77.67' LT (745.07)
BB	503+73.41	75.20' LT (745.06)
CC	503+79.99	79.12' LT (745.23)
DD	503+79.39	78.32' LT (745.22)
EE	503+77.75	75.87' LT (745.21)
FF	503+76.05	73.33' LT (745.20)
GG	503+85.62	73.90' LT (745.52)
HH	503+82.28	68.90' LT (745.43)
II	503+87.01	74.18' LT (745.53)
JJ	503+83.68	69.17' LT (745.44)
KK	503+83.11	68.34' LT (745.47)
LL	503+89.97	69.93' LT (745.73)
MM	503+87.40	65.77' LT (745.55)
NN	503+50.48	70.32' LT (745.02)
OO	503+49.69	69.72' LT (745.07)
PP	503+48.10	68.52' LT (745.65/745.15)
QQ	503+47.52	68.08' LT (745.66/745.16)
RR	503+53.53	66.34' LT (745.14)
SS	503+52.68	65.71' LT (745.19)
TT	503+51.07	64.52' LT (745.75/745.25)
UU	503+46.96	65.36' LT (745.71/745.21)
VV	503+46.54	63.27' LT (745.75/745.25)
WW	503+45.54	63.25' LT (745.72/745.22)
XX	503+42.94	63.25' LT (745.21)
YY	503+46.58	60.94' LT (745.24)
ZZ	503+45.55	60.92' LT (745.22)
AAA	503+42.98	60.88' LT (745.27)
BBB	503+53.66	57.13' LT (745.89/745.39)
CCC	503+53.65	56.07' LT (745.91/745.41)
DDD	503+47.66	55.96' LT (745.86/745.36)
EEE	503+45.65	55.93' LT (745.83/745.33)
FFF	503+43.08	55.88' LT (745.39)
GGG	503+53.63	54.68' LT (745.94/745.44)
HHH	503+53.63	52.68' LT (746.04/745.54)
III	503+53.62	50.22' LT (745.60)
JJJ	503+48.63	54.70' LT (745.40)
KKK	503+48.63	52.70' LT (746.00/745.50)
LLL	503+48.62	50.21' LT (745.56)
MMM	503+50.68	60.90' LT (745.29)
NNN	503+03.51	62.21' LT (745.34)
OOO	503+03.65	54.88' LT (745.49)
PPP	503+57.98	0.00' LT (746.85)
QQQ	503+50.64	0.00' LT (746.84)
RRR	503+12.92	62.17' LT (745.43)
SSS	503+13.03	54.84' LT (745.58)

**LEGEND**

(XX.XX) EXISTING ELEVATION / SLOPE

XX.XX PROPOSED ELEVATION / SLOPE

XX.XX/XX.XX PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION

 DETECTABLE WARNINGS (SPECIAL)

\*EXISTING MAST ARM POST



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PLOT SCALE = 5.0000' / in.	DRAWN - KDC	REVISED -
PLOT DATE = 2/4/2019	CHECKED - DJK	REVISED -
	DATE - 2/1/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SIDEWALK GRADING PLAN - MEACHAM ROAD

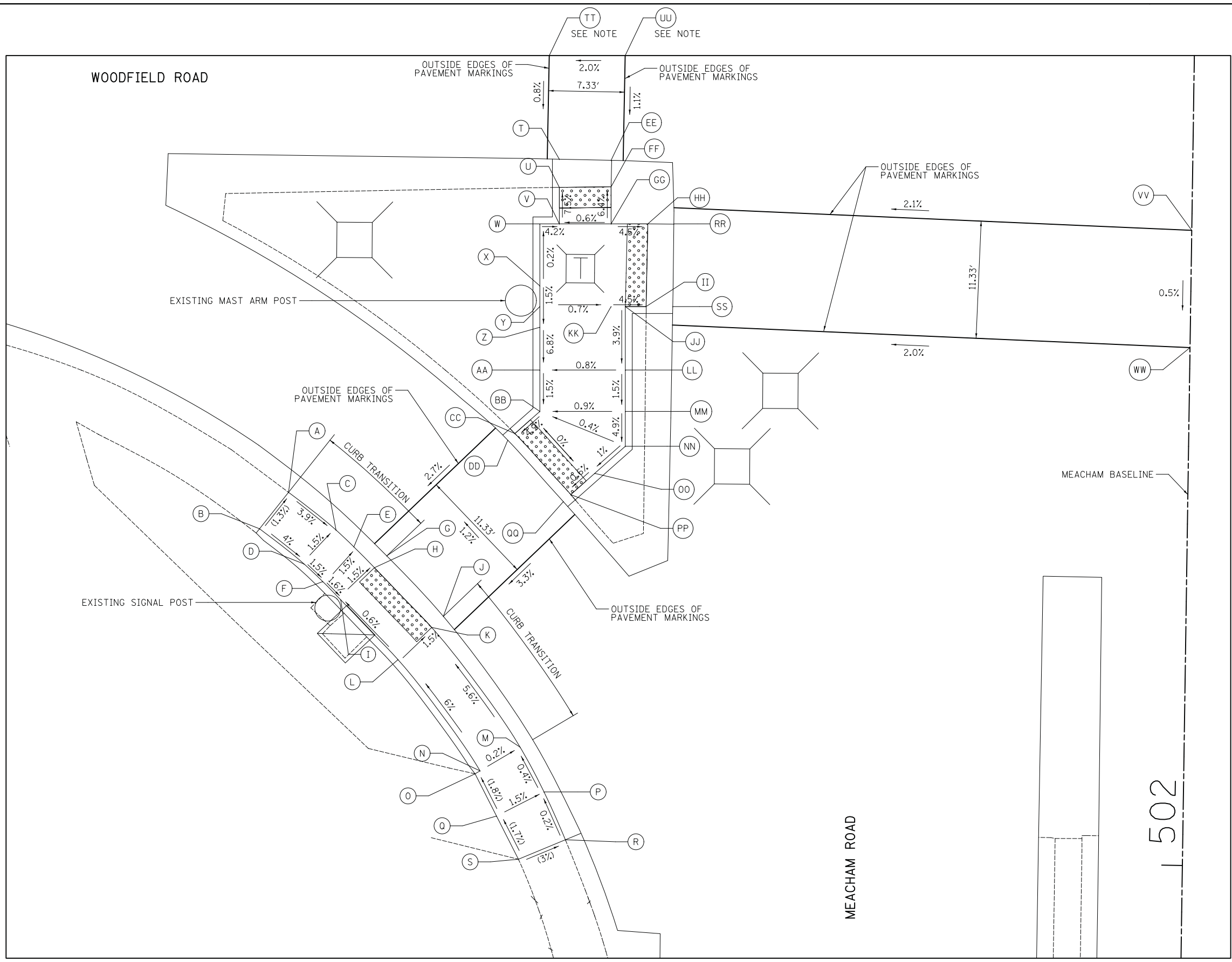
SCALE: 1" = 5' SHEET 1 OF 12 SHEETS

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	193
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

NORTHWEST CORNER OF WOODFIELD ROAD AND MEACHAM ROAD

99

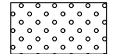
503 10



	STATION	OFFSET	ELEVATION
A	502+34.79	86.88' LT	(744.69)
B	502+31.22	89.63' LT	(744.75)/(744.75)
C	502+31.21	82.24' LT	744.46
D	502+27.89	85.28' LT	744.79/744.53
E	502+29.61	80.49' LT	744.42
F	502+26.21	83.44' LT	744.80/744.49
G	502+28.78	77.30' LT	(744.29)
H	502+27.63	78.48' LT	744.28
I	502+24.47	81.68' LT	44.78/44.35
J	502+23.02	71.75' LT	(744.34)
K	502+21.93	72.86' LT	744.33
L	502+18.77	76.07' LT	744.89/744.40
M	502+10.49	64.15' LT	745.19
N	502+08.14	67.98' LT	745.20/745.20
O	502+07.85	68.46' LT	(745.20)
P	502+06.20	61.77' LT	745.21
Q	502+03.79	66.32' LT	(745.29)
R	502+01.60	59.64' LT	(745.22)
S	501+99.66	64.14' LT	(745.37)
T	502+67.37	61.19' LT	(745.05)
U	502+64.65	61.15' LT	745.48/744.98
V	502+61.12	61.10' LT	745.80/745.30
W	502+61.09	62.99' LT	745.82/745.32
X	502+55.09	62.90' LT	745.33/745.33
Y	502+53.09	62.87' LT	745.30/745.30
Z	502+51.09	62.84' LT	745.27/745.27
AA	502+46.96	62.78' LT	745.45/744.95
BB	502+42.96	62.72' LT	745.39/744.89
CC	502+40.79	65.10' LT	745.28/744.78
DD	502+40.14	65.77' LT	(744.73)
EE	502+67.34	56.19' LT	(745.10)
FF	502+64.77	56.16' LT	745.54/745.04
GG	502+61.20	56.10' LT	745.77/745.27
HH	502+61.25	52.55' LT	745.61/745.11
II	502+53.25	52.61' LT	745.60/745.10
JJ	502+53.22	54.61' LT	745.69/745.19
KK	502+53.20	55.98' LT	745.25
LL	502+47.08	54.52' LT	745.52/745.02
MM	502+43.09	54.46' LT	745.46/744.96
NN	502+39.71	54.41' LT	745.43/744.93
OO	502+37.05	57.33' LT	745.39/744.89
PP	502+34.96	59.62' LT	745.42/744.92
QQ	502+34.28	60.32' LT	(744.87)
RR	502+61.28	50.04' LT	(745.16)
SS	502+53.28	50.03' LT	(745.16)
TT	503+03.51	62.21' LT	(745.34)
UU	503+03.65	54.88' LT	(745.49)
VV	502+61.40	0.00' LT	(746.21)
WW	502+50.06	0.00' LT	(746.15)

SEE NOTE  
SEE NOTE

**LEGEND**

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- XX.XX/XX.XX PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION
-  DETECTABLE WARNINGS (SPECIAL)

NOTE: THE STATION, OFFSET, AND ELEVATION GIVEN FOR THESE POINTS ARE ON THE WOODFIELD ROAD BASELINE



FILE NAME = ...3025\_ADA\_01C\_Meacham.dgn



USER NAME = jet	DESIGNED - KDC	REVISED -
DRAWN - KDC	REVISIONS -	
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

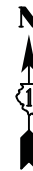
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SIDEWALK GRADING PLAN - MEACHAM ROAD**

SCALE: 1" = 5' SHEET 2 OF 12 SHEETS

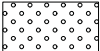
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	194
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	504+19.93	78.67' RT	(747.26)
B	504+15.42	78.71' RT	747.19
C	504+00.42	78.86' RT	745.99
D	503+97.64	78.89' RT	745.95
E	503+95.40	77.66' RT	745.91
F	503+92.17	71.94' RT	745.73
G	503+91.38	72.55' RT	745.72
H	504+19.93	83.67' RT	(747.31)
I	504+15.46	83.71' RT	747.24
J	504+00.47	83.86' RT	746.02
K	503+96.47	83.90' RT	745.96
L	503+94.24	79.88' RT	745.89
M	503+93.60	79.12' RT	745.88
N	503+89.44	74.13' RT	745.62
O	503+88.10	72.53' RT	745.65
P	100+89.32	86.02' LT	745.91
Q	100+86.10	82.88' LT	745.84
R	100+85.38	82.18' LT	745.83
S	100+80.72	77.65' LT	745.57
T	100+79.23	76.20' LT	745.60
U	100+92.97	82.52' LT	746.01
V	100+89.96	79.17' LT	745.94
W	100+89.30	78.42' LT	745.93
X	100+84.95	73.59' LT	745.69
Y	100+83.56	72.04' LT	745.69
Z	100+94.88	80.86' LT	746.03
AA	100+91.99	77.41' LT	745.97
BB	100+91.34	76.64' LT	745.96
CC	100+87.16	71.67' LT	745.95
DD	100+85.83	70.07' LT	745.54
EE	101+05.06	73.65' LT	746.20
FF	101+02.77	69.77' LT	746.13
GG	101+02.26	68.91' LT	746.12
HH	100+98.95	63.32' LT	745.86
II	101+05.93	73.14' LT	746.19
JJ	101+03.64	69.27' LT	746.12
KK	100+99.82	62.81' LT	745.85
LL	100+63.40	66.92' LT	746.41/745.91
MM	503+64.88	54.09' RT	746.55/746.05
NN	503+64.88	53.09' RT	746.53/746.03
OO	100+69.01	61.21' LT	746.33/745.83
PP	100+67.63	59.75' LT	746.36/745.86
QQ	503+60.26	57.40' RT	746.01
RR	503+60.26	53.09' RT	745.94
SS	503+60.26	50.51' RT	746.00
TT	100+69.76	57.79' LT	746.45/745.94
UU	100+61.61	53.63' LT	746.01
VV	100+69.76	52.27' LT	746.36/745.86
WW	100+61.96	49.14' LT	745.85
XX	503+54.75	55.09' RT	746.44/745.94
YY	503+54.75	53.09' RT	746.41/745.91
ZZ	503+54.75	50.51' RT	745.97
AAA	100+70.49	41.54' LT	746.20/745.70
BBB	100+70.53	40.96' LT	745.66
CCC	100+70.73	38.00' LT	745.81
DDD	100+62.37	43.00' LT	746.26/745.76
EEE	100+62.50	41.00' LT	746.27/745.77
FFF	100+62.54	40.42' LT	745.73
GGG	100+62.71	38.00' LT	745.81
HHH	100+82.87	82.18' LT	745.69
III	100+89.09	73.96' LT	745.81
JJJ	100+00.82	53.28' LT	(746.85)
KKK	100+00.71	45.93' LT	(746.84)
LLL	100+60.00	0.00' LT	745.96
MMM	100+71.33	0.00' LT	745.94
NNN	100+64.20	67.65' LT	745.83
OOO	100+69.75	61.99' LT	745.78

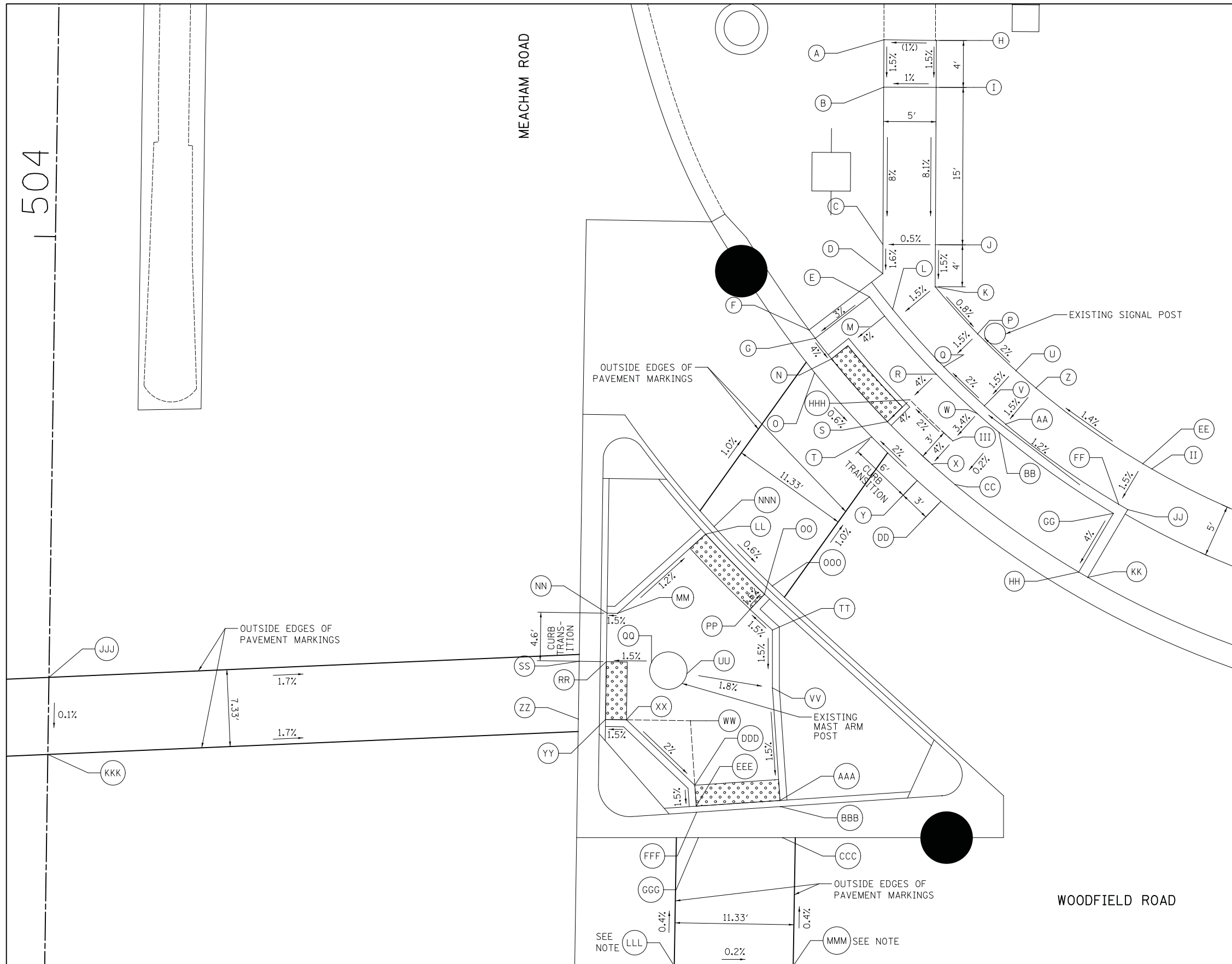


SEE NOTE  
SEE NOTE

**LEGEND**

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- XX.XX/XX.XX PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION
-  DETECTABLE WARNINGS (SPECIAL)

NOTE: THE STATION, OFFSET, AND ELEVATION GIVEN FOR THESE POINTS ARE ON THE WOODFIELD ROAD BASELINE



NORTHEAST CORNER OF WOODFIELD ROAD AND MEACHAM ROAD

FILE NAME = ...\\3025\_ADA\_01D\_Meacham.dgn



USER NAME = jet	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SIDEWALK GRADING PLAN - MEACHAM ROAD**

SCALE: 1" = 5' SHEET 3 OF 12 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	195
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				




	STATION	OFFSET	ELEVATION
A	100+49.84	47.58' RT	(745.70)
B	100+49.72	55.53' RT	(745.64)
C	100+52.93	47.63' RT	746.21/745.71
D	100+53.70	55.59' RT	746.15/745.65
E	100+58.87	47.05' RT	746.07/745.66
F	100+59.92	45.86' RT	746.05/745.64
G	100+60.98	44.67' RT	746.03/745.61
H	100+59.64	55.02' RT	746.10/745.60
I	100+60.98	40.58' RT	746.09/745.59
J	100+68.98	40.58' RT	745.98/745.48
K	100+68.98	42.58' RT	745.99/745.49
L	100+70.01	44.37' RT	746.11/745.51
M	100+71.45	45.76' RT	745.94/745.44
N	100+72.23	46.51' RT	745.39
O	100+64.46	50.13' RT	745.55
P	100+65.90	51.52' RT	745.48
Q	100+66.69	52.27' RT	745.43
R	100+61.66	54.82' RT	746.08/745.58
S	100+62.41	55.48' RT	746.06/745.56
T	100+98.00	53.58' RT	745.68
U	101+02.69	60.07' RT	745.80
V	100+97.17	54.14' RT	745.67
W	101+01.86	60.63' RT	745.79
X	100+94.17	56.30' RT	745.65
Y	100+99.00	62.68' RT	745.73
Z	100+99.61	63.48' RT	745.74
AA	100+87.05	58.87' RT	745.23
BB	100+88.79	60.78' RT	745.17
CC	100+94.18	66.69' RT	745.29
DD	100+94.85	67.43' RT	745.30
EE	100+81.42	64.55' RT	745.21
FF	100+83.34	66.27' RT	745.15
GG	100+89.29	71.62' RT	745.27
HH	100+90.04	72.28' RT	745.28
II	100+78.90	71.68' RT	745.64
JJ	100+85.31	76.47' RT	745.72
KK	100+76.47	75.13' RT	745.72
LL	100+83.10	79.62' RT	745.80
MM	100+75.97	76.00' RT	745.73
NN	100+82.55	80.46' RT	745.85
OO	100+71.65	77.99' RT	(45.37)
PP	100+73.87	79.31' RT	(745.73)
QQ	100+80.83	83.21' RT	745.85
RR	99+99.20	43.30' RT	(746.21)
SS	99+98.99	54.63' RT	(746.15)
TT	100+60.00	0.00' LT	745.96
UU	100+71.33	0.00' LT	745.94
VV	100+60.98	38.00' RT	745.65
WW	100+68.98	38.00' RT	745.54

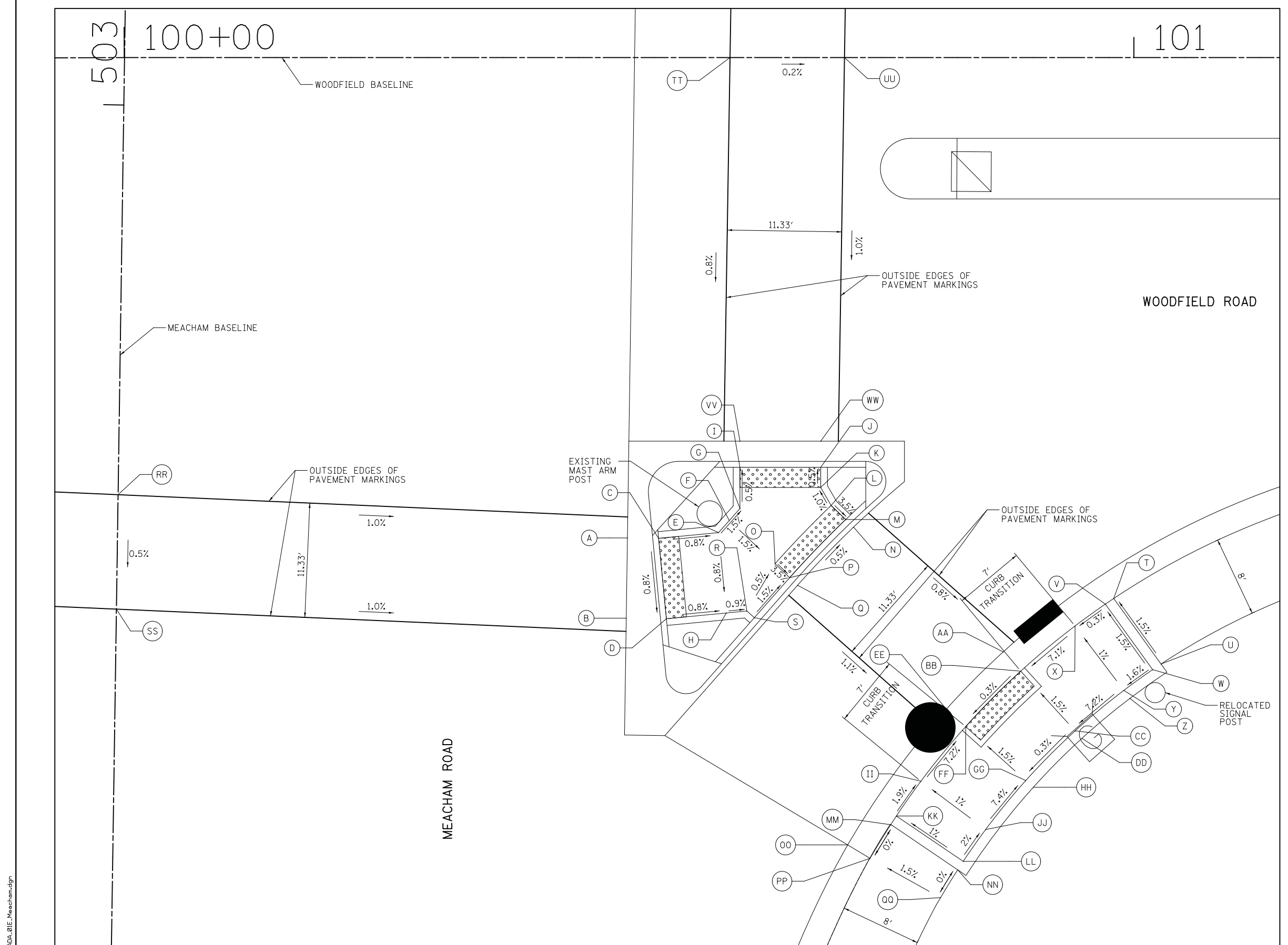
**LEGEND**

(XX.XX)      EXISTING ELEVATION / SLOPE

XX.XX      PROPOSED ELEVATION / SLOPE

XX.XX/XX.XX      PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION

      DETECTABLE WARNINGS (SPECIAL)



FILE NAME = ...3025\_ADA\_01E\_Meacham.dgn



USER NAME = jet	DESIGNED - KDC	REVISED -
DRAWN - KDC	REVISIONS -	
PLOT SCALE = 5.0000' / 1"	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

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

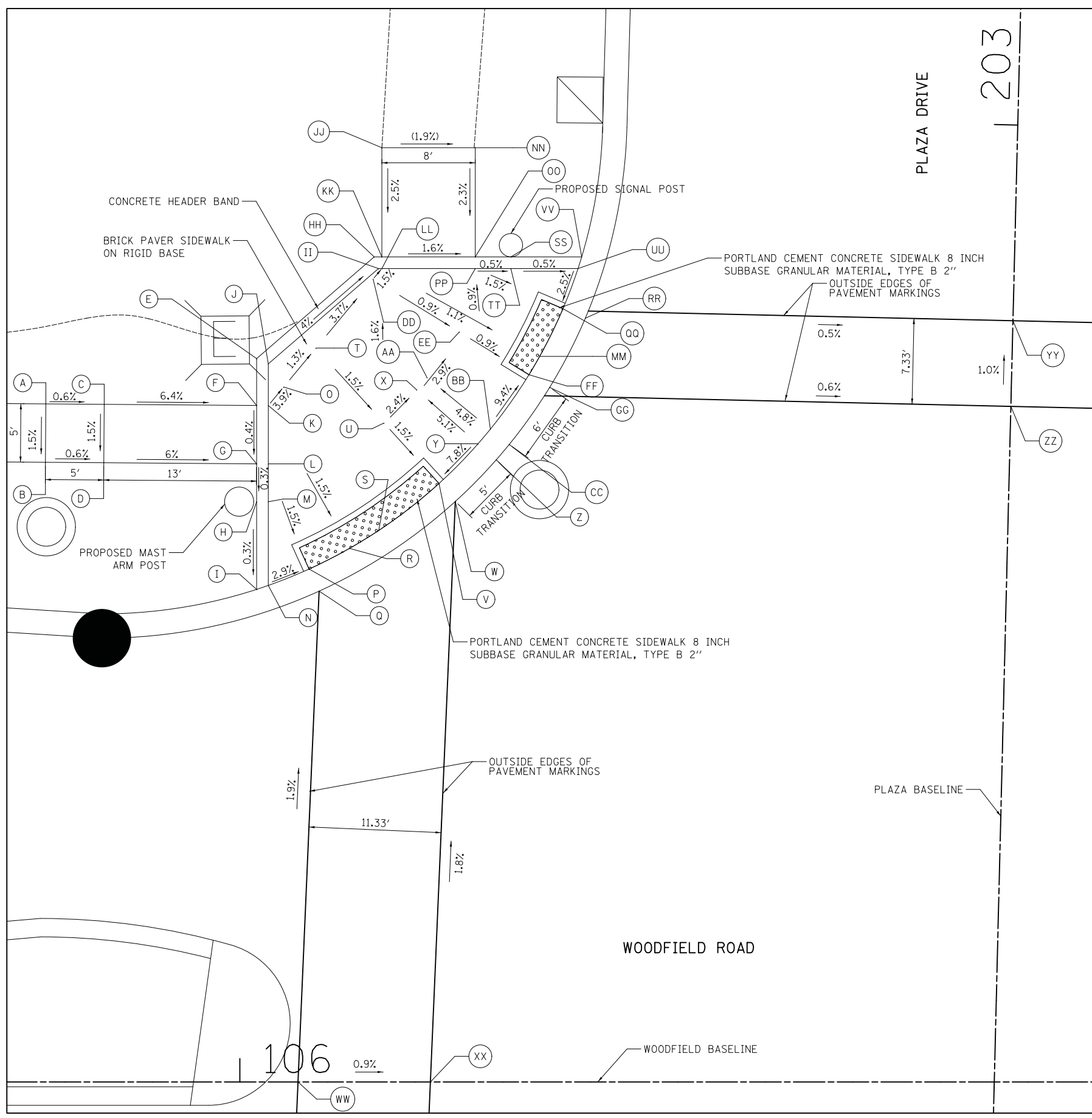
**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD**  
**SIDEWALK GRADING PLAN - MEACHAM ROAD**

SCALE: 1" = 5'

SHEET 4 OF 12 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	196
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				





	STATION	OFFSET	ELEVATION
A	105+83.38	58.06' LT	748.00
B	105+83.34	53.06' LT	747.93
C	105+88.38	58.03' LT	747.97
D	105+88.34	53.03' LT	747.90
E	106+02.44	61.95' LT	747.11
F	106+01.44	57.93' LT	747.13
G	106+01.44	52.93' LT	747.11
H	106+01.44	49.69' LT	747.10
I	106+01.44	42.18' LT	747.08
J	106+02.44	61.49' LT	747.09
K	106+02.44	57.93' LT	747.12
L	106+02.44	52.93' LT	747.08
M	106+02.44	49.69' LT	747.09
N	106+02.44	42.52' LT	747.07
O	106+03.75	59.51' LT	747.04
P	106+05.93	43.92' LT	746.96
Q	106+06.79	42.03' LT	746.99
R	106+09.40	45.69' LT	746.89
S	106+11.90	47.23' LT	746.83
T	106+06.52	62.84' LT	747.01
U	106+12.35	56.43' LT	746.89
V	106+17.06	51.25' LT	746.78
W	106+18.46	49.71' LT	746.81
X	106+15.15	59.27' LT	746.79
Y	106+20.41	54.65' LT	747.15
Z	106+21.97	53.27' LT	746.74
AA	106+16.04	60.32' LT	746.75
BB	106+21.47	55.90' LT	747.09
CC	106+23.08	54.59' LT	746.68
DD	106+11.42	68.75' LT	746.69
EE	106+18.81	64.22' LT	746.61
FF	106+24.77	60.56' LT	746.55
GG	106+26.55	59.48' LT	746.58
HH	106+11.51	70.66' LT	746.72
II	106+11.88	69.66' LT	746.70
JJ	106+12.17	80.00' LT	(746.94)
KK	106+12.17	70.66' LT	746.69
LL	106+12.17	69.66' LT	746.68
MM	106+25.69	62.13' LT	746.53
NN	106+20.17	80.00' LT	(746.79)
OO	106+20.17	70.66' LT	746.56
PP	106+20.17	69.66' LT	746.55
QQ	106+27.69	66.22' LT	746.42
RR	106+29.60	65.40' LT	746.45
SS	106+23.22	70.66' LT	746.54
TT	106+23.22	69.66' LT	746.53
UU	106+28.98	69.66' LT	746.51
VV	106+29.29	70.66' LT	746.60
WW	106+04.99	0.00' LT	747.79
XX	106+16.33	0.00' LT	747.69
YY	106+66.24	65.18' LT	746.27
ZZ	106+66.06	57.85' LT	746.34

**LEGEND**

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- XX.XX/XX.XX PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION
- DETECTABLE WARNINGS (SPECIAL)



NORTHWEST CORNER OF WOODFIELD ROAD AND PLAZA DRIVE

FILE NAME = ...3025\_ADA\_02A\_Plaza.dgn



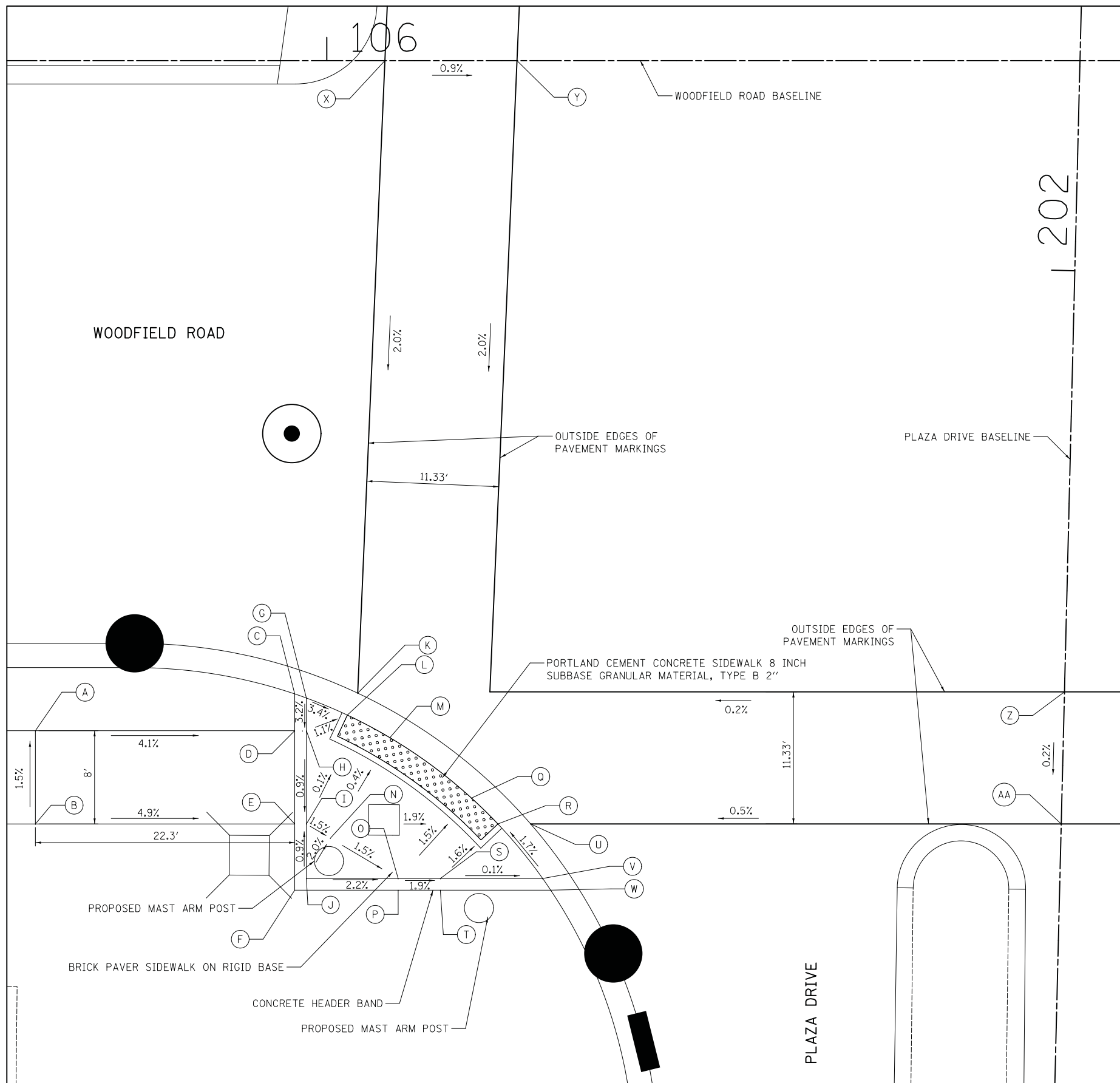
USER NAME = jet	DESIGNED - KDC	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN - KDC	REVISED -
PLOT DATE = 2/4/2019	CHECKED - DJK	REVISED -
	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SIDEWALK GRADING PLAN - PLAZA DRIVE**

SCALE: 1" = 5'    SHEET 5 OF 12 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	197
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	105+75.00	57.00' RT	747.66
B	105+75.00	65.50' RT	747.78
C	105+97.25	54.34' RT	746.81
D	105+97.25	57.50' RT	746.72
E	105+97.25	65.50' RT	746.65
F	105+97.25	71.18' RT	746.79
G	105+98.25	54.69' RT	746.80
H	105+98.25	57.50' RT	746.71
I	105+98.25	65.50' RT	746.64
J	105+98.25	70.18' RT	746.68
K	106+02.66	54.27' RT	746.70
L	106+01.77	56.16' RT	746.67
M	106+05.42	58.10' RT	746.56
N	106+00.31	66.72' RT	746.60
O	106+06.13	70.18' RT	746.51
P	106+06.13	70.18' RT	746.52
Q	106+12.42	63.27' RT	746.39
R	106+14.69	65.50' RT	746.33
S	106+09.74	70.18' RT	746.44
T	106+09.74	71.18' RT	746.38
U	106+17.50	65.50' RT	746.32
V	106+18.52	70.18' RT	746.45
W	106+19.21	71.18' RT	746.43
X	106+04.99	0.00' LT	747.79
Y	106+16.33	0.00' LT	747.69
Z	106+63.31	54.17' RT	746.55
AA	106+63.03	65.50' RT	746.53

**LEGEND**

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- XX.XX/XX.XX PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION
- DETECTABLE WARNINGS (SPECIAL)

SOUTHWEST CORNER OF WOODFIELD ROAD AND PLAZA DRIVE



FILE NAME = ...\\3025\_ADA\_02B\_Plaza.dgn



USER NAME = jet	DESIGNED - KDC	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN - KDC	REVISED -
PLOT DATE = 2/4/2019	CHECKED - DJK	REVISED -
	DATE - 2/1/2018	REVISED -

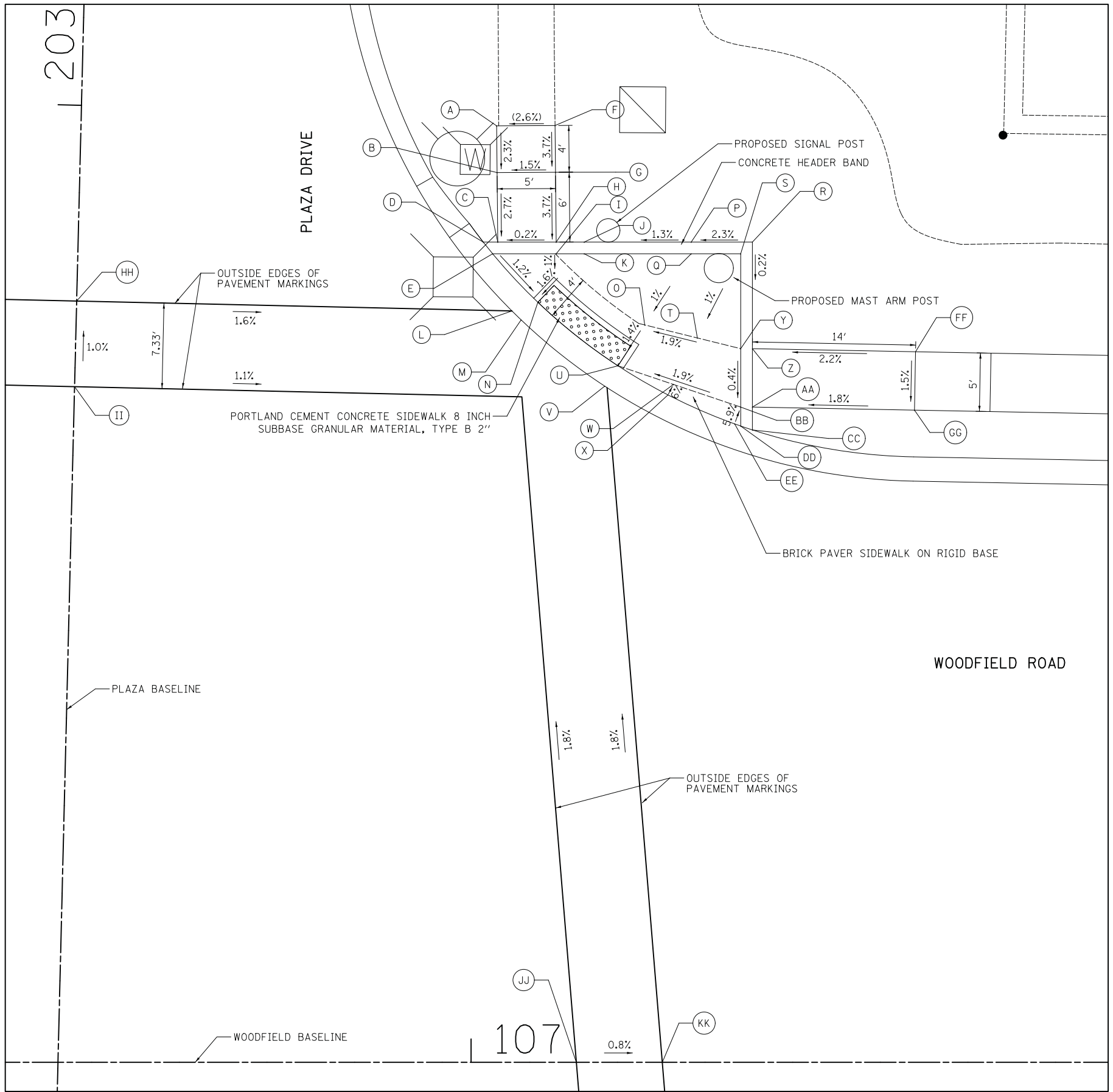
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SIDEWALK GRADING PLAN - PLAZA DRIVE**

SCALE: 1" = 5' SHEET 6 OF 12 SHEETS

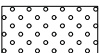
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	198
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

FILE NAME = ...3025\_ADA\_02C\_Plaza.dgn



	STATION	OFFSET	ELEVATION
A	107+02.19	80.18' LT	(746.06)
B	107+02.22	76.18' LT	745.97
C	107+02.28	70.23' LT	745.81
D	107+01.05	70.23' LT	745.81
E	107+00.25	67.91' LT	745.82
F	107+07.19	80.21' LT	(746.19)
G	107+07.22	76.21' LT	746.04
H	107+07.28	70.23' LT	745.82
I	107+07.28	69.23' LT	745.81
J	107+09.68	70.23' RT	745.85
K	107+09.68	69.23' LT	745.85
L	107+03.50	64.33' LT	745.75
M	107+04.28	63.57' LT	745.76
N	107+05.72	65.07' LT	745.73
O	107+14.86	63.14' LT	745.89
P	107+18.84	70.23' LT	745.97
Q	107+18.84	69.23' LT	745.96
R	107+24.08	70.23' LT	746.09
S	107+23.08	69.23' LT	746.07
T	107+19.37	62.02' LT	745.99
U	107+12.58	59.64' LT	745.83
V	107+11.44	57.90' LT	745.86
W	107+17.32	58.04' LT	745.93
X	107+16.86	57.15' LT	745.99
Y	107+23.08	61.11' LT	746.06
Z	107+24.08	61.11' LT	746.07
AA	107+24.08	56.11' LT	746.05
BB	107+23.08	56.11' LT	746.04
CC	107+24.08	54.15' LT	745.14
DD	107+23.08	54.48' LT	746.13
EE	107+22.56	54.67' LT	746.13
FF	107+38.05	60.84' LT	746.38
GG	107+37.95	55.84' LT	746.30
HH	106+66.24	65.18' LT	746.27
II	106+66.06	57.85' LT	746.34
JJ	107+09.01	0.00' LT	746.94
KK	107+16.37	0.00' LT	746.88

**LEGEND**

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- XX.XX/XX.XX PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION
-  DETECTABLE WARNINGS (SPECIAL)



NORTHEAST CORNER OF WOODFIELD ROAD AND PLAZA DRIVE



USER NAME = jet	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

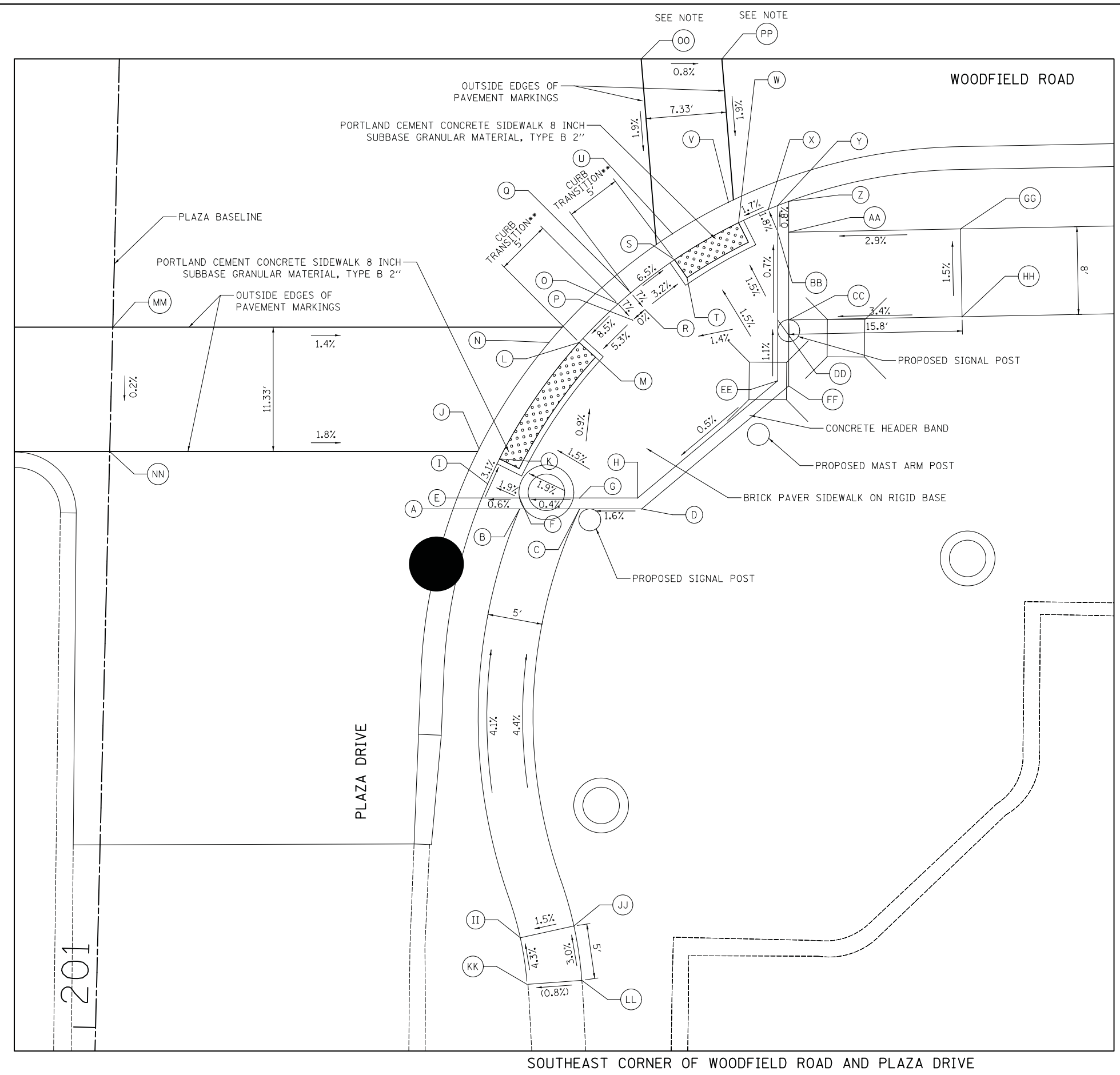
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SIDEWALK GRADING PLAN - PLAZA DRIVE**

SCALE: 1" = 5' SHEET 7 OF 12 SHEETS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	199
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

FILE NAME = ...3025\_ADA\_02D\_Plaza.dgn



	STATION	OFFSET	ELEVATION
A	106+96.53	70.73' RT	746.03
B	107+00.38	70.73' RT	746.05
C	107+05.84	70.73' RT	746.07
D	107+11.50	70.73' RT	746.16
E	106+96.93	69.73' RT	746.02
F	107+00.38	69.73' RT	746.04
G	107+05.84	69.73' RT	746.06
H	107+11.14	69.73' RT	746.15
I	106+97.46	68.45' RT	745.98
J	106+96.67	65.25' RT	745.93
K	106+98.54	66.17' RT	745.90
L	107+05.80	55.56' RT	745.92
M	107+07.29	56.90' RT	745.95
N	107+03.05	55.56' RT	745.99
O	107+09.34	52.03' RT	746.34
P	107+10.68	53.52' RT	746.20
Q	107+10.50	51.03' RT	746.34
R	107+11.79	52.56' RT	746.20
S	107+14.49	48.02' RT	746.02
T	107+15.63	49.66' RT	746.05
U	107+14.30	45.65' RT	746.05
V	107+19.41	42.77' RT	746.07
W	107+20.32	44.64' RT	746.04
X	107+23.03	43.42' RT	746.09
Y	107+23.90	43.07' RT	746.11
Z	107+24.90	42.70' RT	746.12
AA	107+24.90	45.51' RT	746.14
BB	107+23.90	45.51' RT	746.13
CC	107+24.90	53.51' RT	746.19
DD	107+23.90	53.51' RT	746.18
EE	107+23.90	59.05' RT	746.24
FF	107+24.90	59.52' RT	746.25
GG	107+40.54	45.21' RT	746.60
HH	107+40.69	53.21' RT	746.72
II	107+00.44	109.82' RT	747.70
JJ	107+05.32	108.74' RT	747.78
KK	107+01.06	114.07' RT	(747.89)
LL	107+06.04	113.70' RT	(747.93)
MM	106+63.31	54.17' RT	746.55
NN	106+63.03	65.50' RT	746.53
OO	107+09.01	0.00' LT	746.94
PP	107+16.37	0.00' LT	746.88

SEE NOTE  
SEE NOTE

NOTE: THE STATION, OFFSET, AND ELEVATION GIVEN FOR THESE POINTS ARE ON THE WOODFIELD ROAD BASELINE

\*\*TRANSITION TO 4" CURB. PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18".

**LEGEND**

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- XX.XX/XX.XX PROPOSED TOP OF CURB ELEVATION / PROPOSED BOTTOM OF CURB ELEVATION
- DETECTABLE WARNINGS (SPECIAL)



USER NAME = jet	DESIGNED - KDC	REVISED -
	DRAWN - KDC	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 2/4/2019	DATE - 2/1/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MEACHAM ROAD TO MARTINGALE ROAD  
SIDEWALK GRADING PLAN - PLAZA DRIVE**

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073	14-00114-02-PV	COOK	246	200
CONTRACT NO. 61F10				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 5' SHEET 8 OF 12 SHEETS