

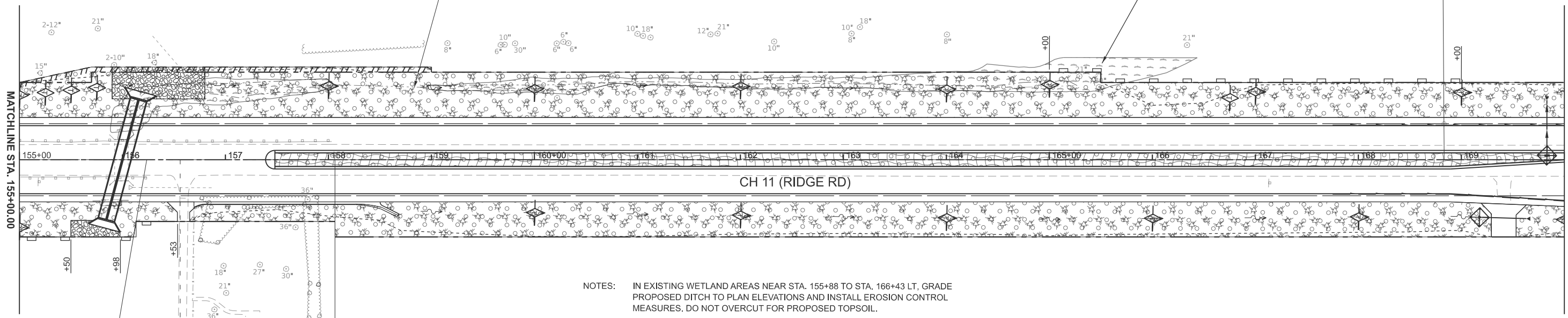


UNNAMED TRIBUTARY TO AUX SABLE CREEK

EX WETLANDS (TYP)

MATCHLINE STA. 155+00.00

MATCHLINE STA. 170+00.00



NOTES: IN EXISTING WETLAND AREAS NEAR STA. 155+88 TO STA. 166+43 LT. GRADE PROPOSED DITCH TO PLAN ELEVATIONS AND INSTALL EROSION CONTROL MEASURES. DO NOT OVERCUT FOR PROPOSED TOPSOIL.

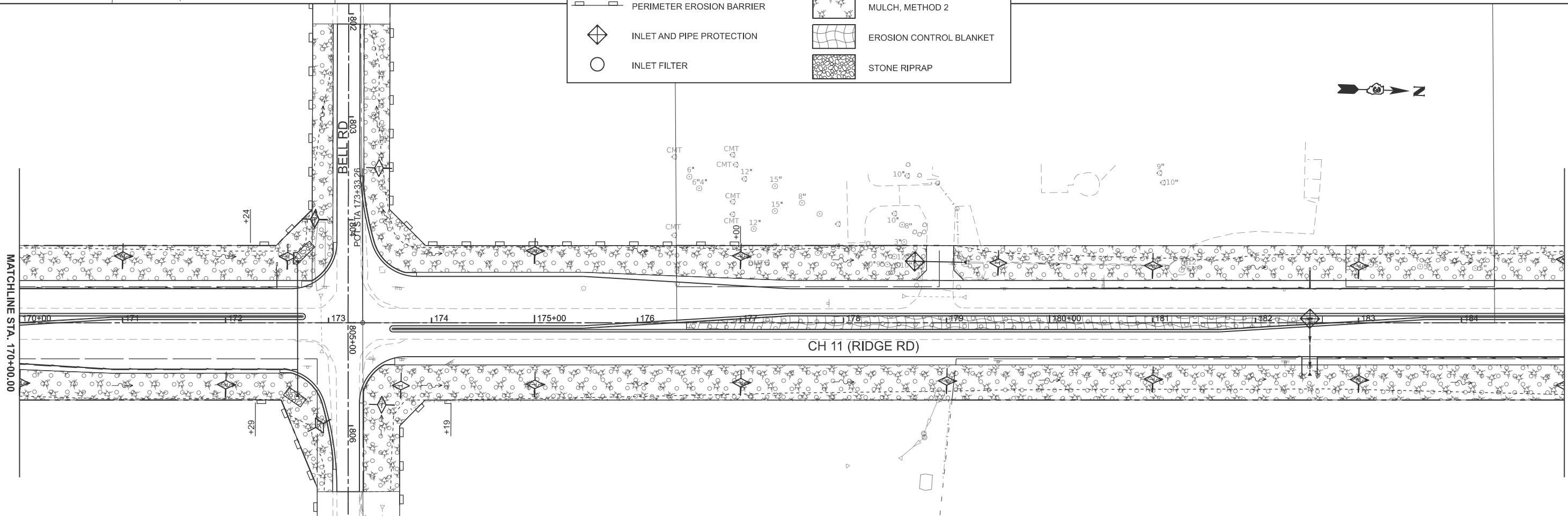
LANDSCAPING AND EROSION CONTROL LEGEND

- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- INLET FILTER
- SEEDING, CLASS 2A
- MULCH, METHOD 2
- EROSION CONTROL BLANKET
- STONE RIPRAP



MATCHLINE STA. 170+00.00

MATCHLINE STA. 185+00.00



MODEL: PFL_RIDGE - Plan 7 (Sheet)
FILE NAME: Y:\5352 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5352-sh1-erosion.dgn



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	DRAWN -	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/27/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
EROSION CONTROL PLAN**

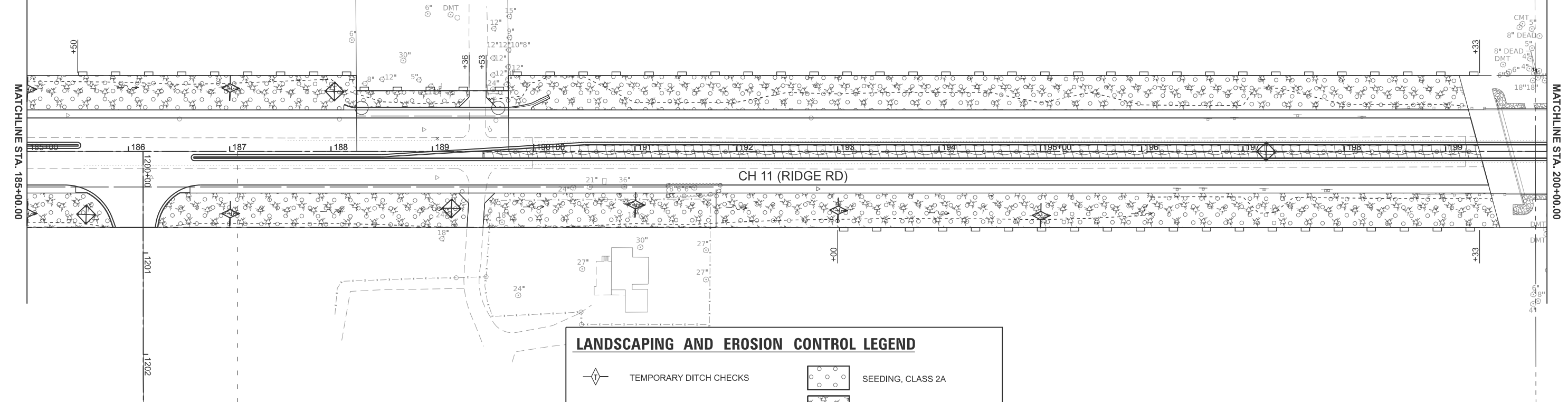
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RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	201
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 185+00.00

MATCHLINE STA. 200+00.00



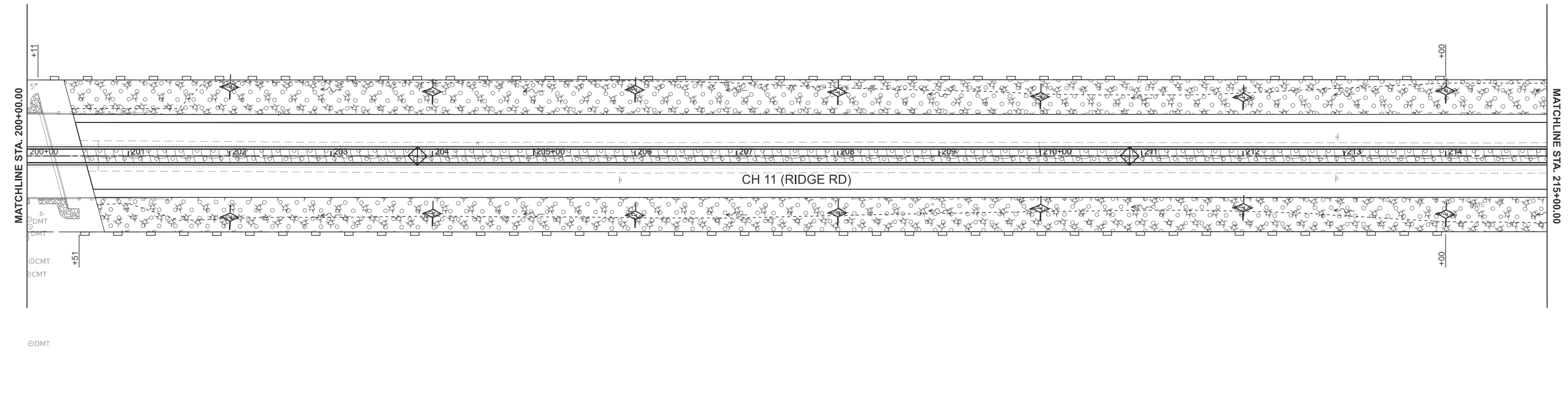
LANDSCAPING AND EROSION CONTROL LEGEND

	TEMPORARY DITCH CHECKS		SEEDING, CLASS 2A
	PERIMETER EROSION BARRIER		MULCH, METHOD 2
	INLET AND PIPE PROTECTION		EROSION CONTROL BLANKET
	INLET FILTER		STONE RIPRAP



MATCHLINE STA. 200+00.00

MATCHLINE STA. 215+00.00



MODEL: PFL_RIDGE - Plan 9 (Sheet)
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PLOT DATE = 2/8/2026	DATE -	REVISED -

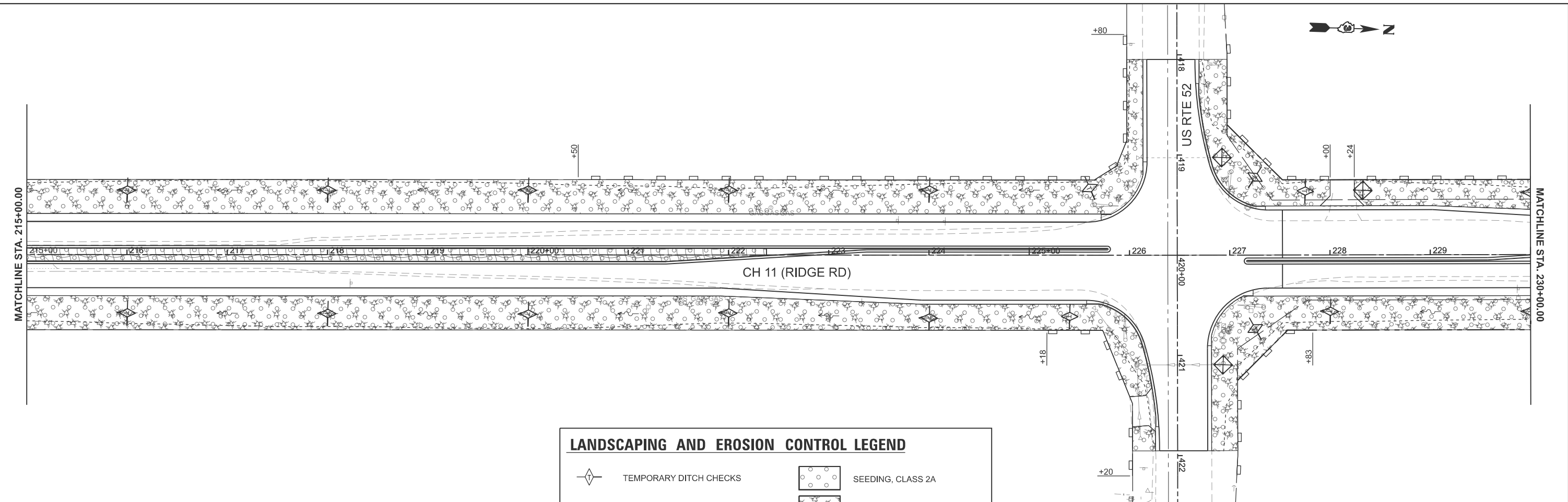
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 5 OF 10 SHEETS STA. 185+00.00 TO STA. 215+00.00

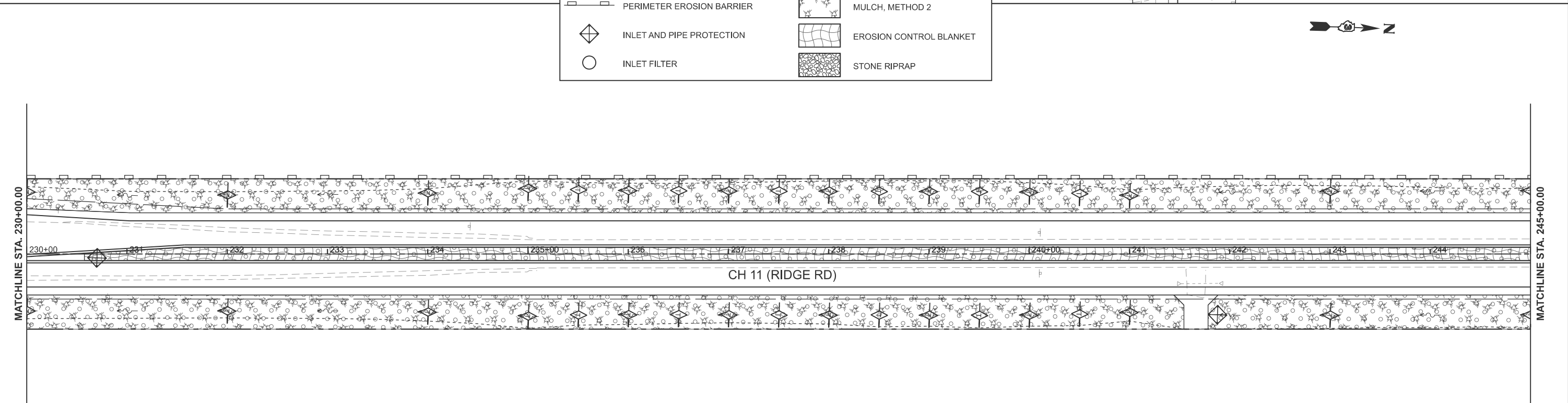
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CH11	22-00168-00-RP	KENDALL	367	202
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

MODEL: PFL_RIDGE - Plan 11 [Sheet]
 FILE NAME: Y:\5552 - Ridge Road - Roll to Black - Phase II\CADD\CADD Sheets\552-sh1-erosion.dgn



LANDSCAPING AND EROSION CONTROL LEGEND

	TEMPORARY DITCH CHECKS		SEEDING, CLASS 2A
	PERIMETER EROSION BARRIER		MULCH, METHOD 2
	INLET AND PIPE PROTECTION		EROSION CONTROL BLANKET
	INLET FILTER		STONE RIPRAP



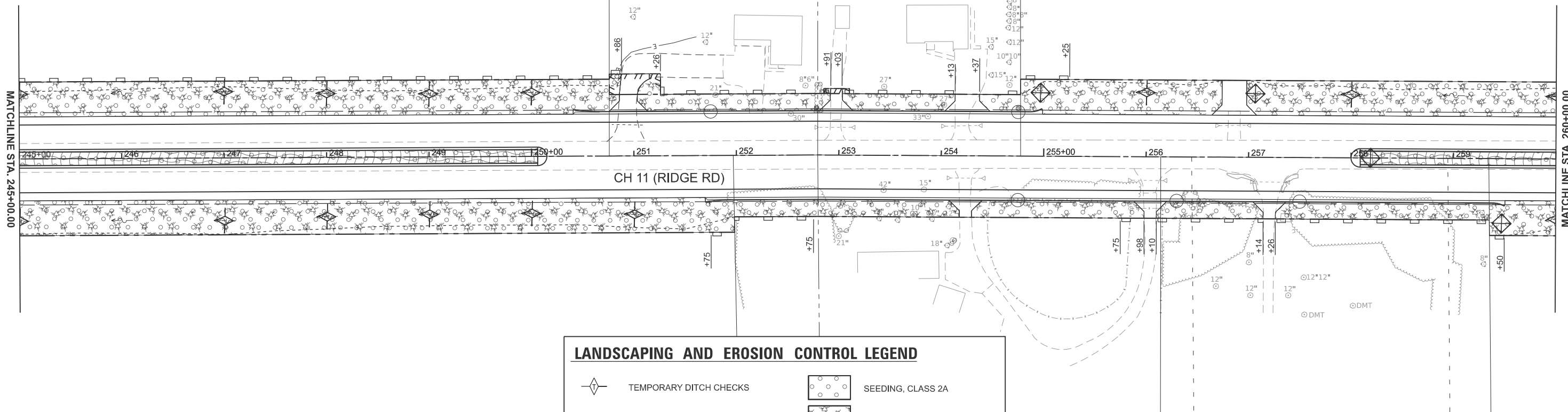
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PLOT DATE = 2/8/2026	DATE -	REVISED -

**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

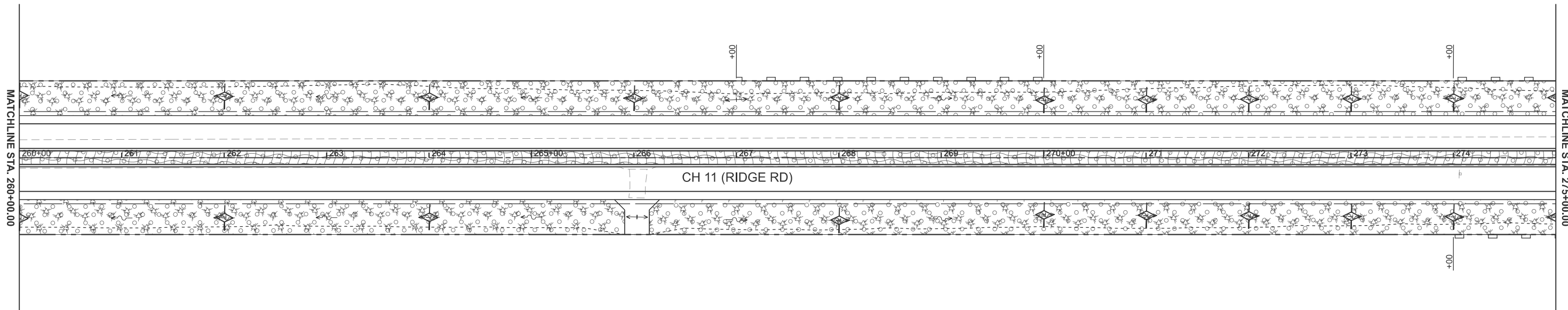
**CH 11 (RIDGE RD)
 EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 6 OF 10 SHEETS STA. 215+00.00 TO STA. 245+00.00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	203
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



LANDSCAPING AND EROSION CONTROL LEGEND	
	TEMPORARY DITCH CHECKS
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	INLET FILTER
	SEEDING, CLASS 2A
	MULCH, METHOD 2
	EROSION CONTROL BLANKET
	STONE RIPRAP



MODEL: PFL_RIDGE - Plan 13 (Sheet)
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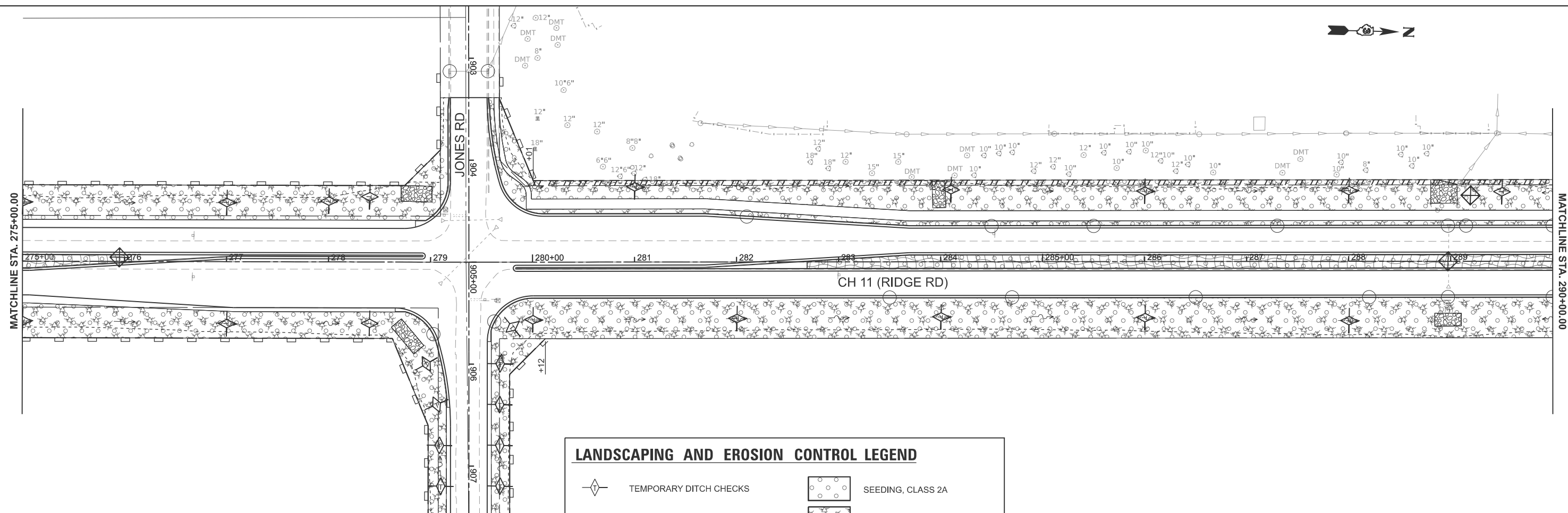
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PLOT DATE = 2/8/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

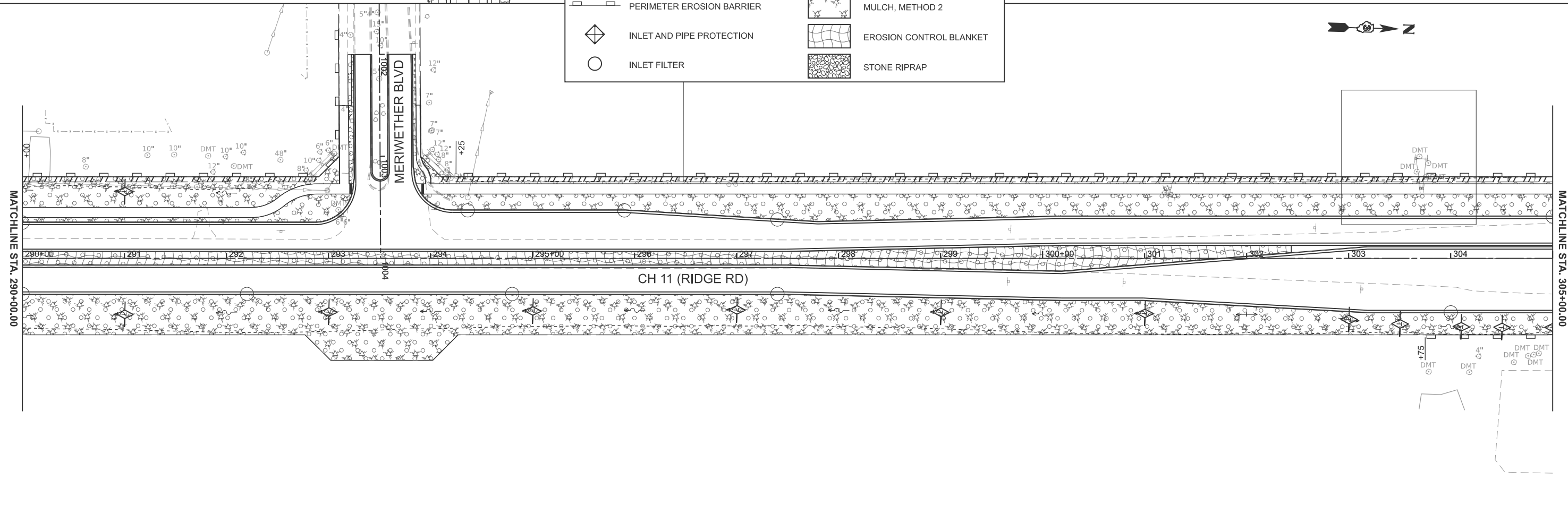
**CH 11 (RIDGE RD)
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 7 OF 10 SHEETS STA. 245+00.00 TO STA. 275+00.00

RT. NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 204
			CONTRACT NO. 87899	
ILLINOIS FED. AID PROJECT				



LANDSCAPING AND EROSION CONTROL LEGEND			
	TEMPORARY DITCH CHECKS		SEEDING, CLASS 2A
	PERIMETER EROSION BARRIER		MULCH, METHOD 2
	INLET AND PIPE PROTECTION		EROSION CONTROL BLANKET
	INLET FILTER		STONE RIPRAP



MODEL: PFL_RIDGE - Plan 15 (Sheet)
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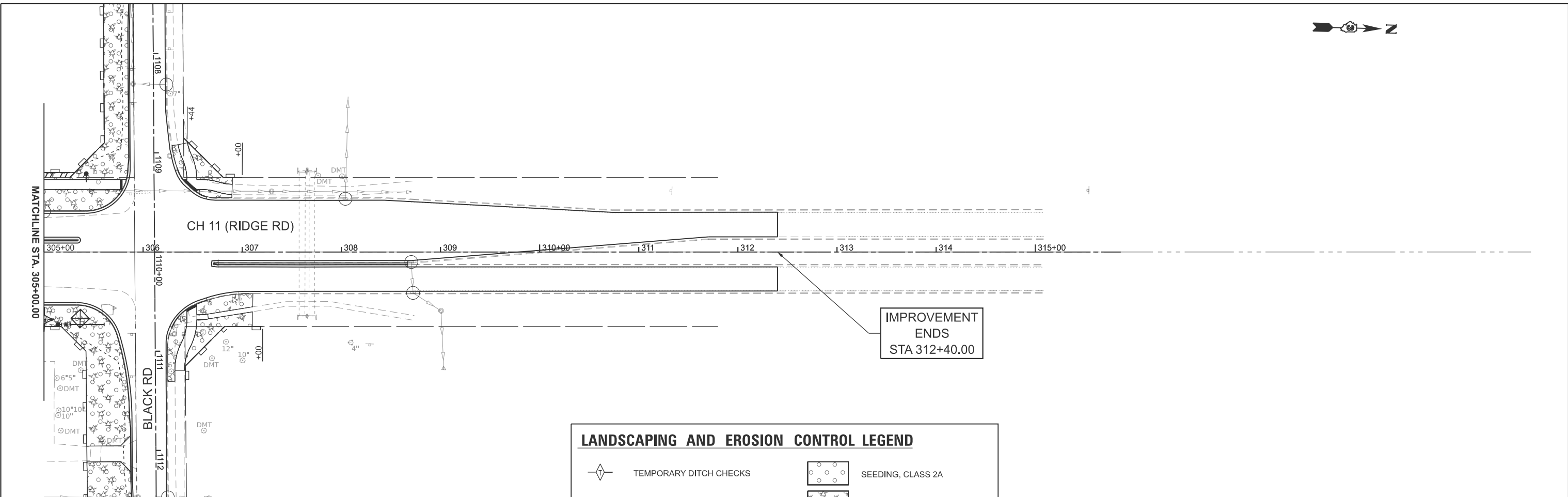
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PLOT DATE = 2/8/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 8 OF 10 SHEETS STA. 275+00.00 TO STA. 305+00.00

ROUTE NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 205
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



LANDSCAPING AND EROSION CONTROL LEGEND	
	TEMPORARY DITCH CHECKS
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	INLET FILTER
	SEEDING, CLASS 2A
	MULCH, METHOD 2
	EROSION CONTROL BLANKET
	STONE RIPRAP

MODEL: PFL_RIDGE - Plan 17 [Sheet]
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USER NAME = BWedemeler	DESIGNED -	REVISED -
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PLOT DATE = 2/8/2026	CHECKED -	REVISED -
	DATE -	REVISED -

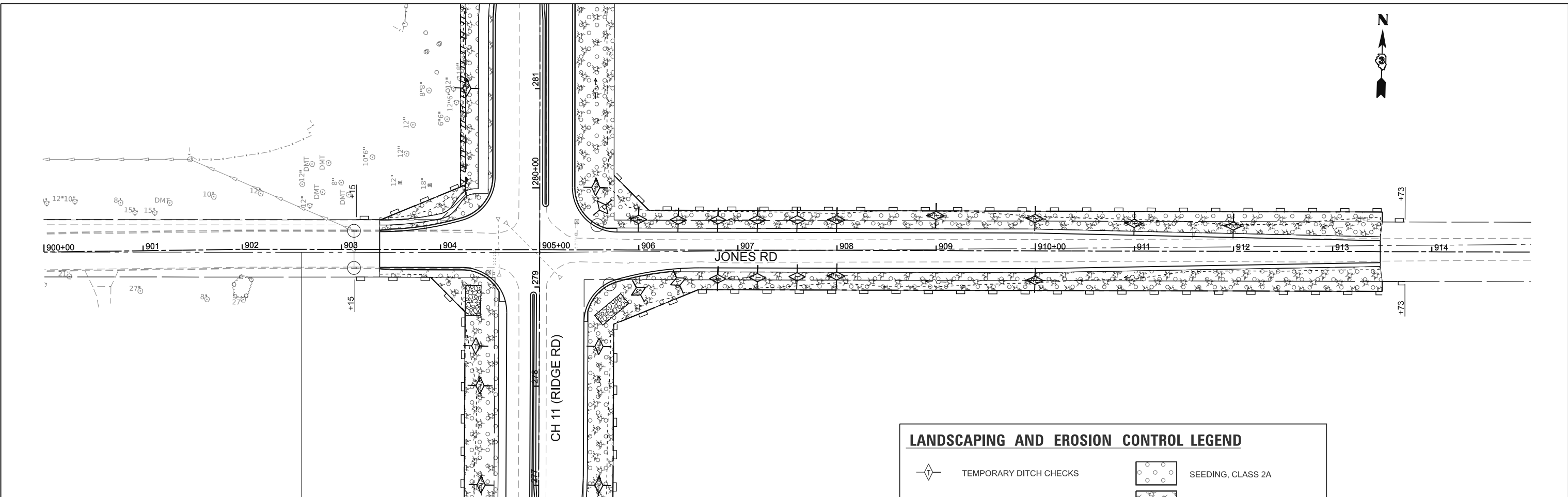
**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 EROSION CONTROL PLAN**

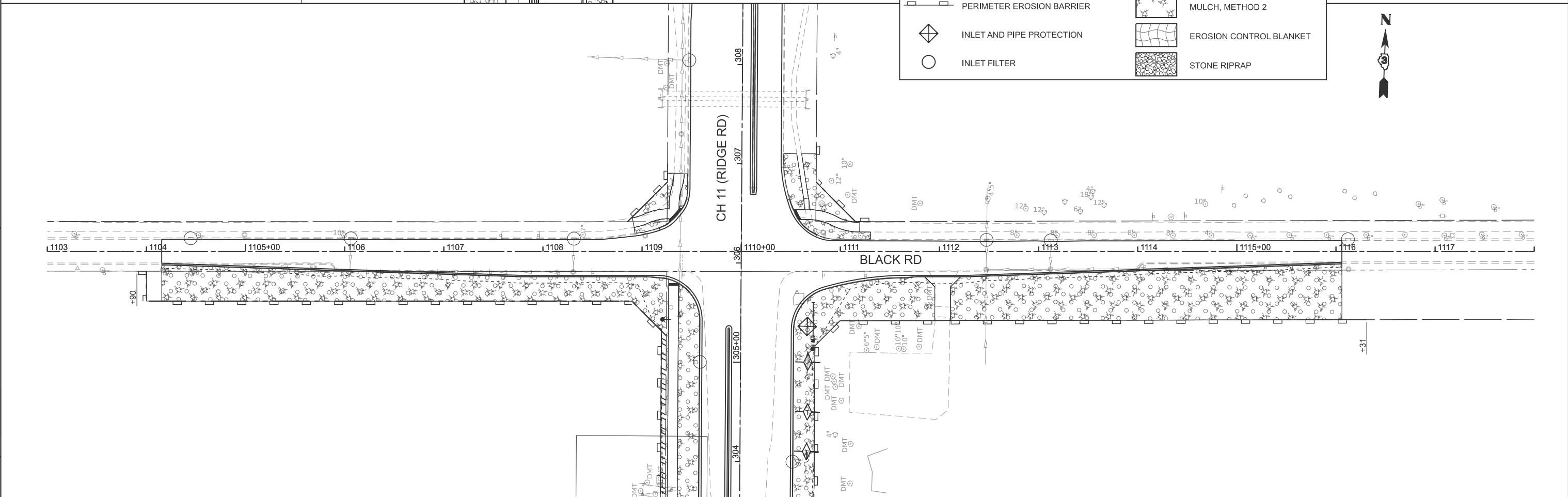
SCALE: 1"=50' SHEET 9 OF 10 SHEETS STA. 305+00.00 TO STA. 320+00.00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	206
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

MODEL: PFL_JONES - Plan 18 (Sheet)
 FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sh1-erosion.dgn



LANDSCAPING AND EROSION CONTROL LEGEND	
	TEMPORARY DITCH CHECKS
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	INLET FILTER
	SEEDING, CLASS 2A
	MULCH, METHOD 2
	EROSION CONTROL BLANKET
	STONE RIPRAP



USER NAME = BWedemeyer
 PLOT SCALE = \$SCALE\$
 PLOT DATE = 2/8/2026

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

KENDALL COUNTY
 HIGHWAY DEPARTMENT

CH 11 (RIDGE RD)
 EROSION CONTROL PLAN

SCALE: 1"=50' SHEET 10 OF 10 SHEETS STA. 900+00.00 TO STA. 915+00.00

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	207
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT WITH RESPECT TO THE SPAN WIRE MOUNTED TRAFFIC SIGNAL INSTALLATION. THIS SHALL INCLUDE ALL CABLES, SIGNAL AND PEDESTRIAN HEADS, CONDUIT, PUSH-BUTTONS, CONTROLLER AND CABINET, AND ALL OTHER PERIPHERAL EQUIPMENT.
2. ALL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE STATED ON THE PLANS. ON PROJECTS WITH MULTIPLE TEMPORARY TRAFFIC SIGNAL INSTALLATIONS, ALL CONTROLLERS SHALL BE THE SAME MANUFACTURER BRAND AND MODEL NUMBER WITH CURRENT SOFTWARE INSTALLED.
3. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
4. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED, AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
6. THE SPAN WIRE MOUNTED TEMPORARY SIGNAL HEADS SHALL MAINTAIN A UNIFORM 18' CLEARANCE OVER THE ROADWAY.
7. ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
8. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. ALL TEMPORARY WOOD POLES SHOULD BE INSTALLED SO THAT A MINIMUM OF 32 FEET OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND A 10 M.P.H. SUSTAINED WIND LOADING.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
11. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 3, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
12. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 857 OF THE STANDARD SPECIFICATIONS AND THE TRAFFIC SIGNAL SPECIAL PROVISIONS WITH REGARDS TO INTERNAL TIME BASE COORDINATION, PREEMPTION, AND TESTING.
13. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE FOR STAGING AND AS DIRECTED BY THE ENGINEER. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD. TEMPORARY SIGNAL HEADS SHALL BE RELOCATED AS NECESSARY TO LINE UP WITH STAGE TRAFFIC LANES. DO NOT INSTALL HEADS THAT BLOCK OPPOSING TRAFFIC HEADS. WHEN POSSIBLE, PLACE TEMPORARY SIGNALS IN FRONT OF EXISTING TRAFFIC SIGNALS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
14. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS, AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
15. UNINTERRUPTABLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
16. THE CONTRACTOR SHALL BE REPOSNSIBLE FOR MODIFYING THE VIDEO DETECTION SYSTEM TO ACCOMMODATE CONSTRUCTION STAGING (INCLUDING CAMERA AIMING AND PROGRAMMING).
17. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
18. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
19. THE CONTRACTOR SHALL CONTACT THE ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 3 TRAFFIC SIGNAL SECTION (815-434-8506) AND KENDALL COUNTY HIGHWAY DEPARTMENT BEFORE INSTALLING THE TEMPORARY SIGNAL.

MODEL: SHT-TEMP GENERAL NOTES
FILE NAME: V:\5552 - Ridge Road - Hot to Black - Phase II\CADD\CADD Sheets\5552-sht-tsgen.dgn



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



**KENDALL COUNTY
HIGHWAY DEPARTMENT**

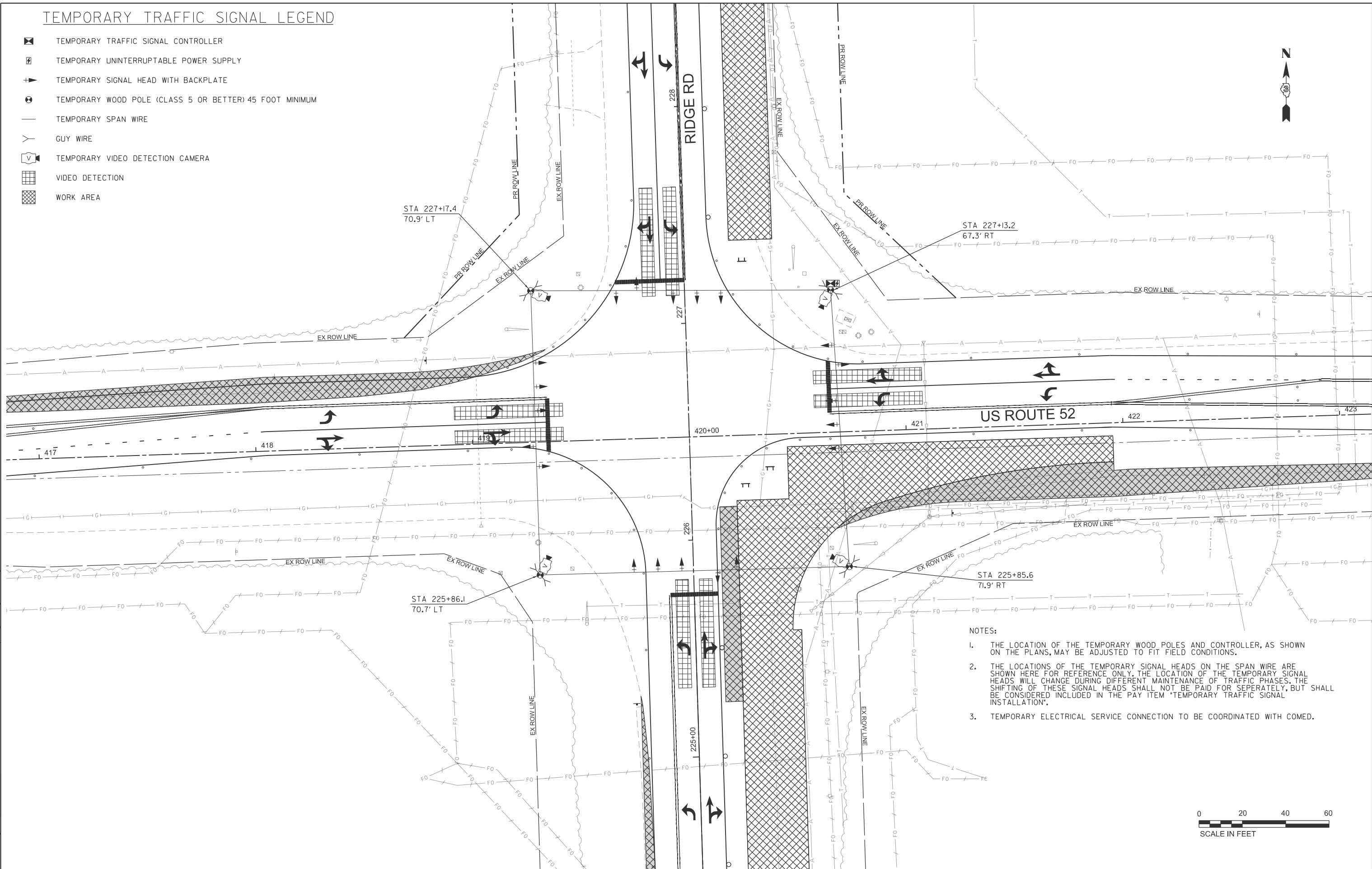
**TEMPORARY TRAFFIC SIGNAL GENERAL NOTES
CH 11 (RIDGE RD)**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	208
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:**
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-52-1
FILE NAME: V:\5352 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5352-sht-us-temp-Ridge52-stage1a.dgn



USER NAME = BWedemeler
DESIGNED -
DRAWN -
PLOT SCALE = \$\$\$CALE\$
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DATE = 2/9/2026

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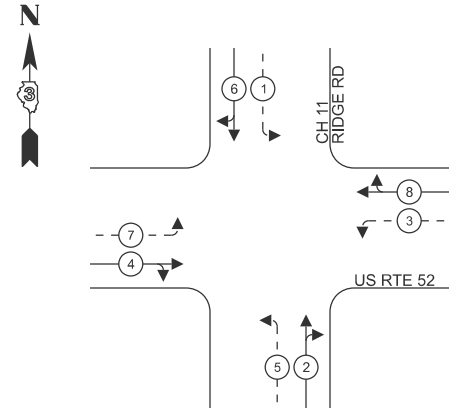
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 1 & 1A
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RT# NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	209
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

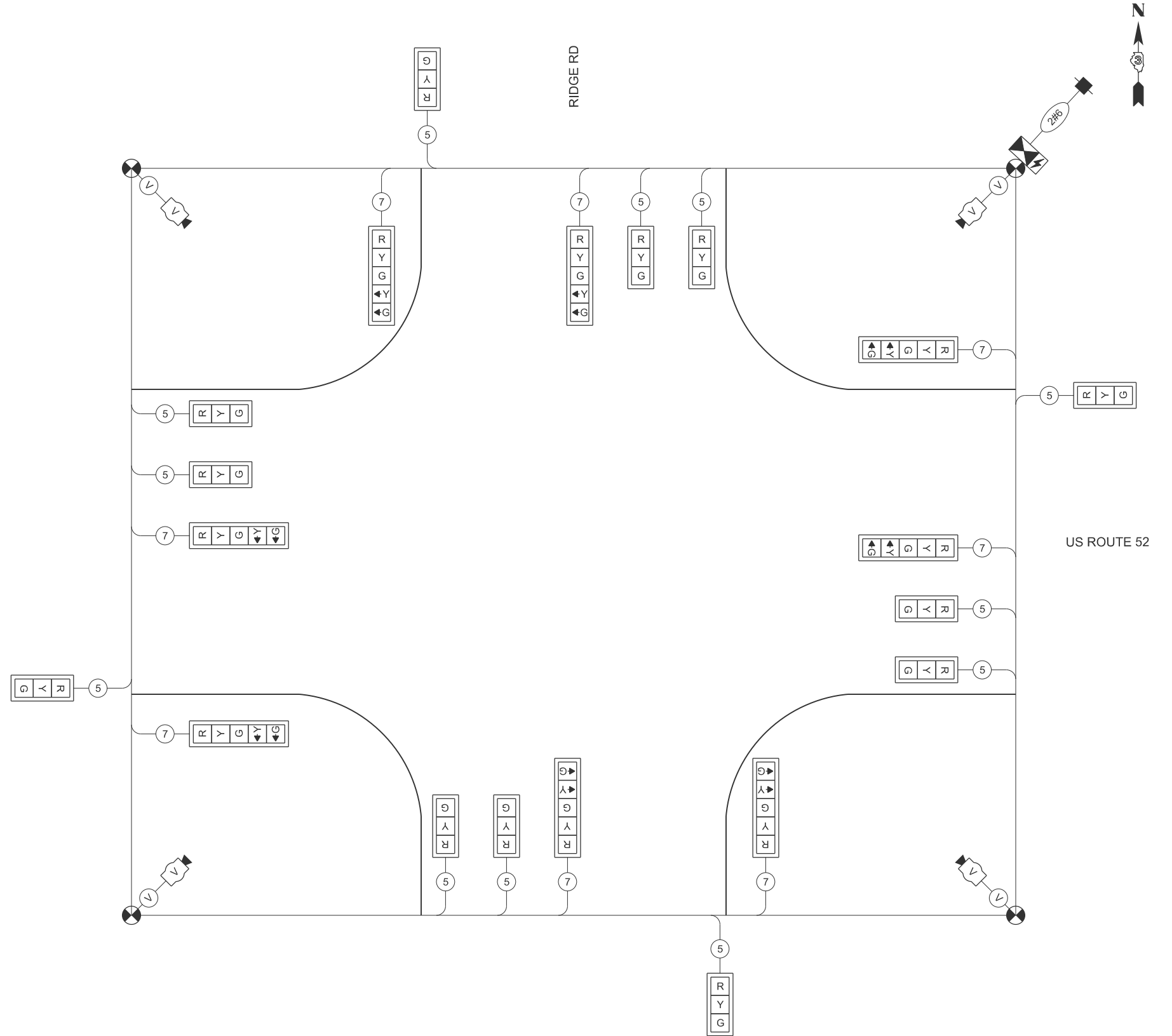


LEGEND:

- ← * — PROTECTED PHASE
- ← - * - - PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-1g-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage1ant1A.dgn



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PLOT DATE = 2/9/2026	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

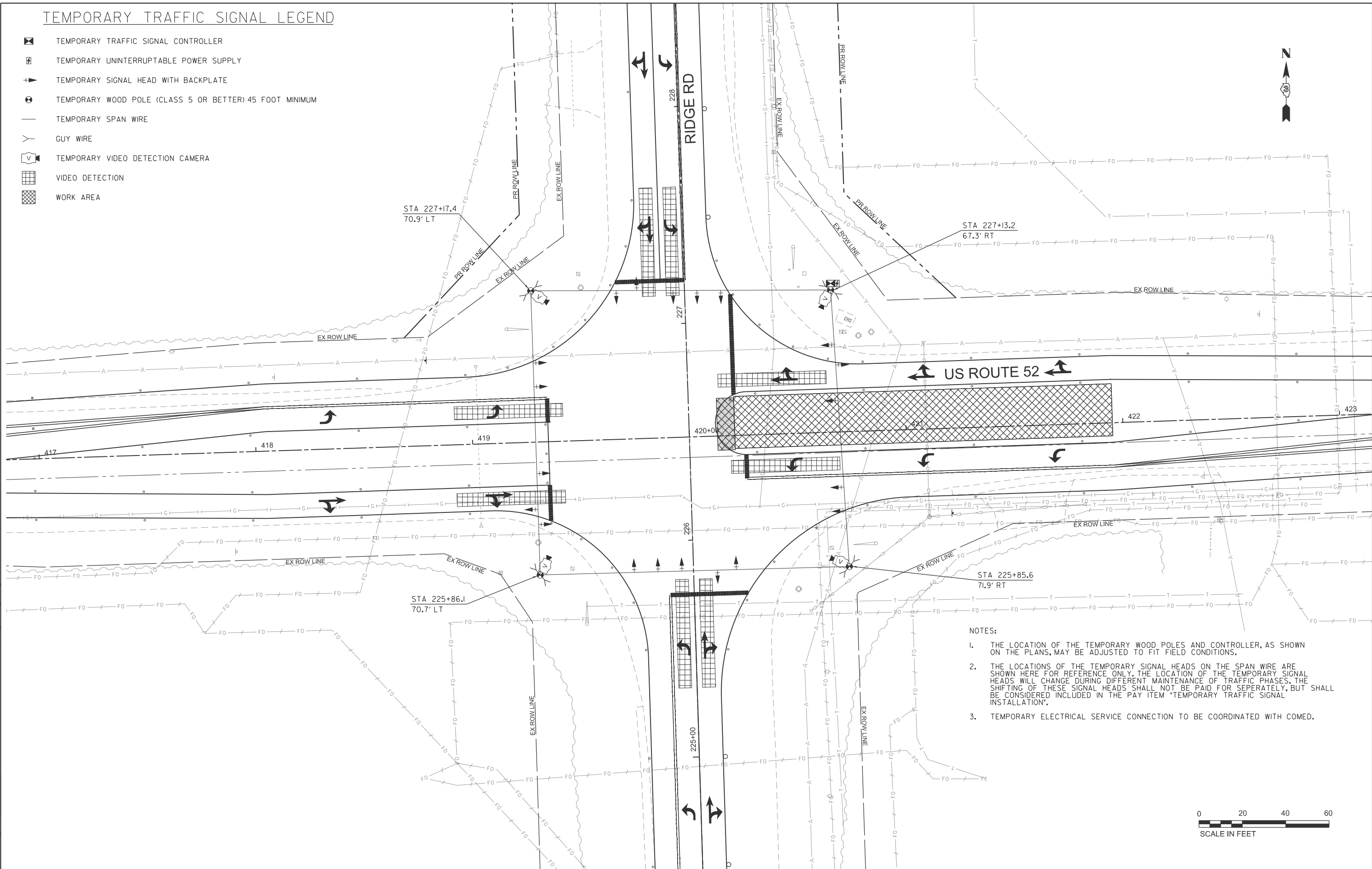
TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 1 & 1A
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	210
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



NOTES:

1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-stg1b-1
 FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage 1B.dgn



USER NAME = BWedemeler
 PLOT SCALE = \$\$SCALE\$\$
 PLOT DATE = 2/9/2026

DESIGNED -
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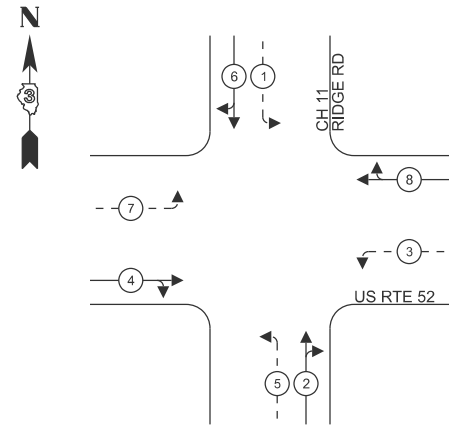
**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 1B
 CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	211
CONTRACT NO. 87899				
ILLINOIS / FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

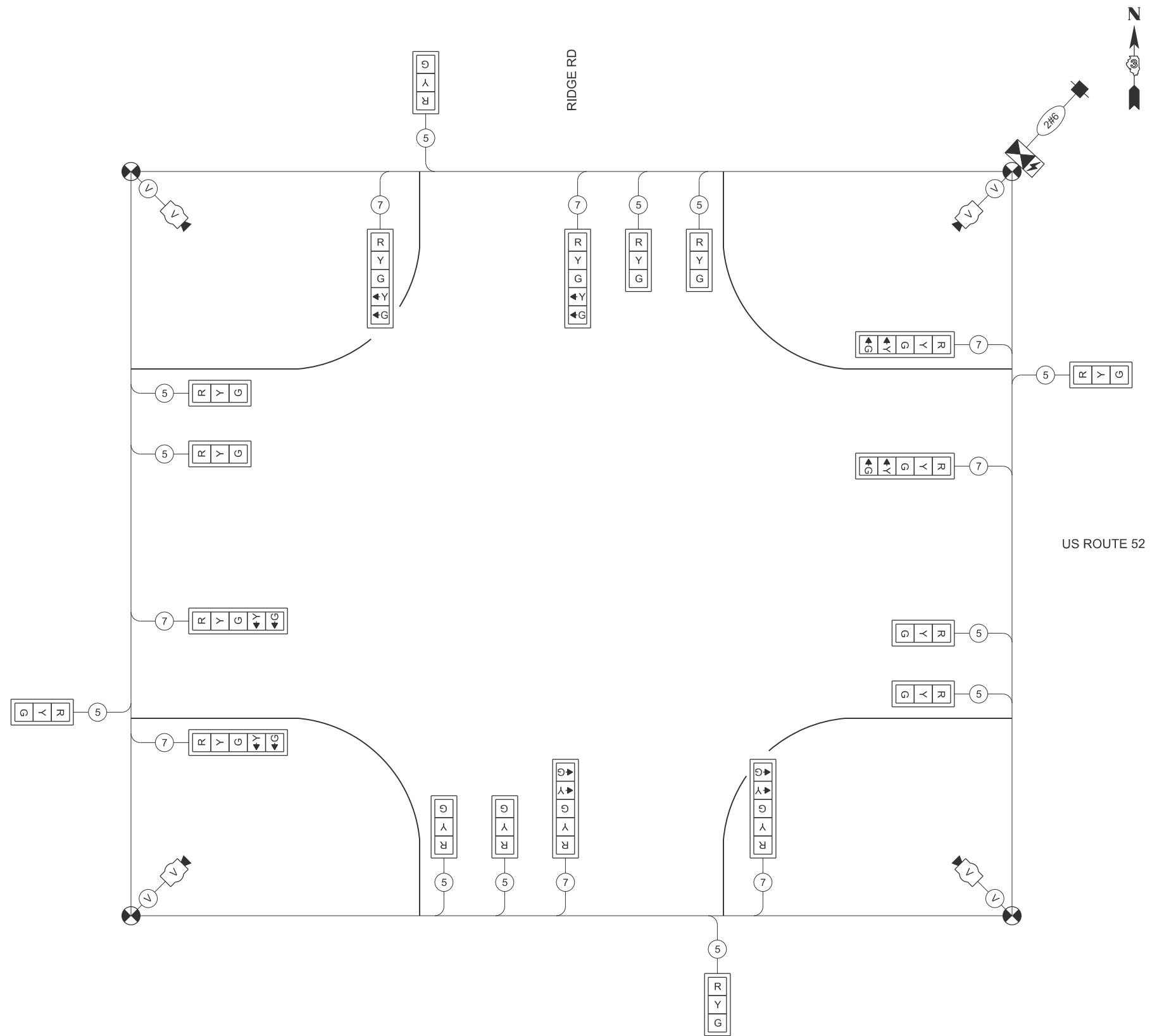


LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-stg1b-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage1B.dgn



USER NAME = BWedemder	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

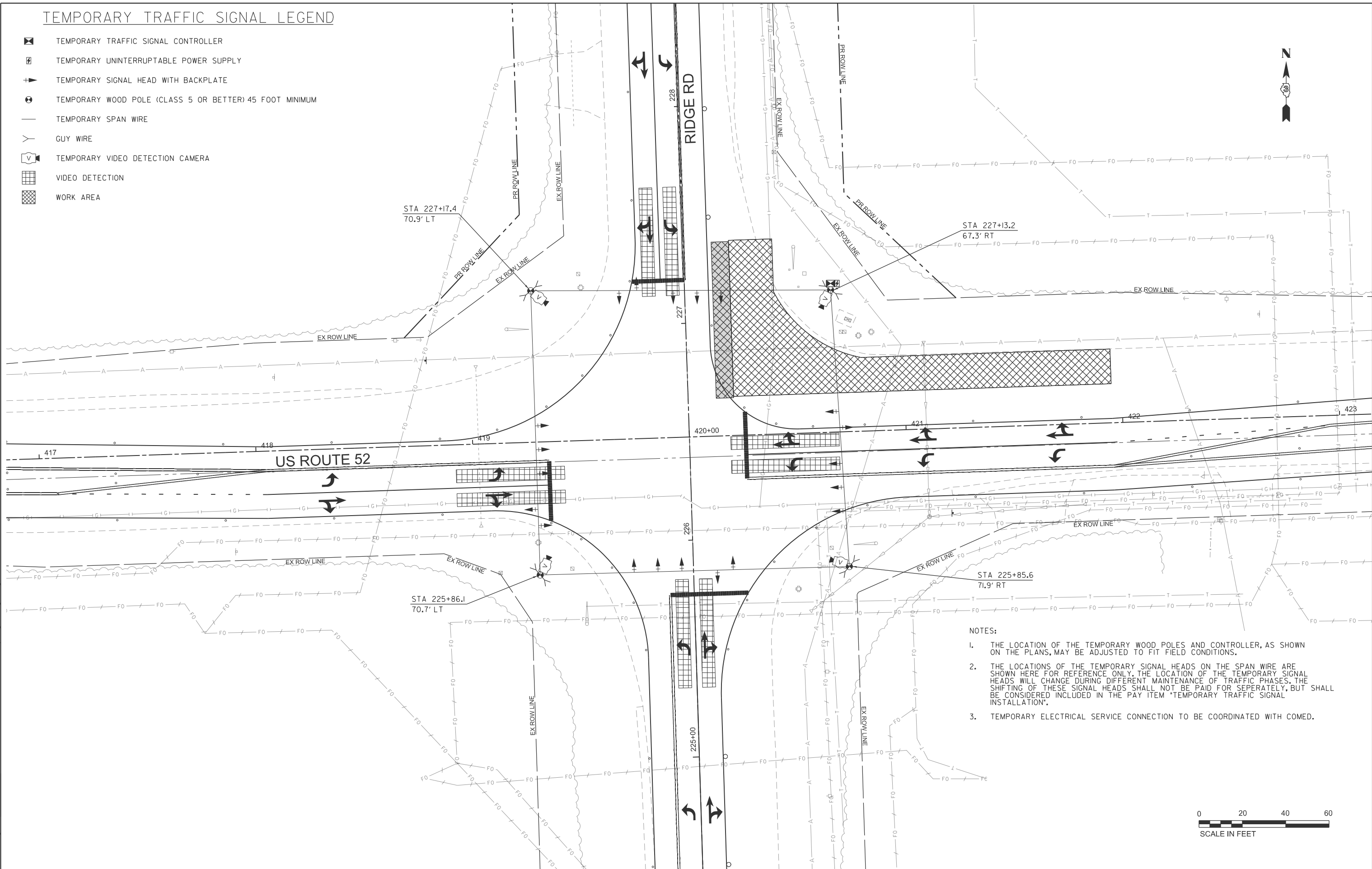
TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 1B
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	212
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



NOTES:

1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-101c-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage 1C.dgn



USER NAME = BWedemeler
DESIGNED -
DRAWN -
PLOT SCALE = \$\$SCALE\$\$
CHECKED -
PLOT DATE = 2/9/2026
DATE -

REVISD -
REVISD -
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REVISD -
REVISD -
REVISD -
REVISD -

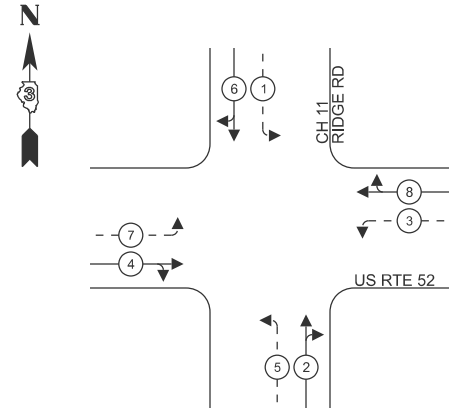
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 1C
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	213
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

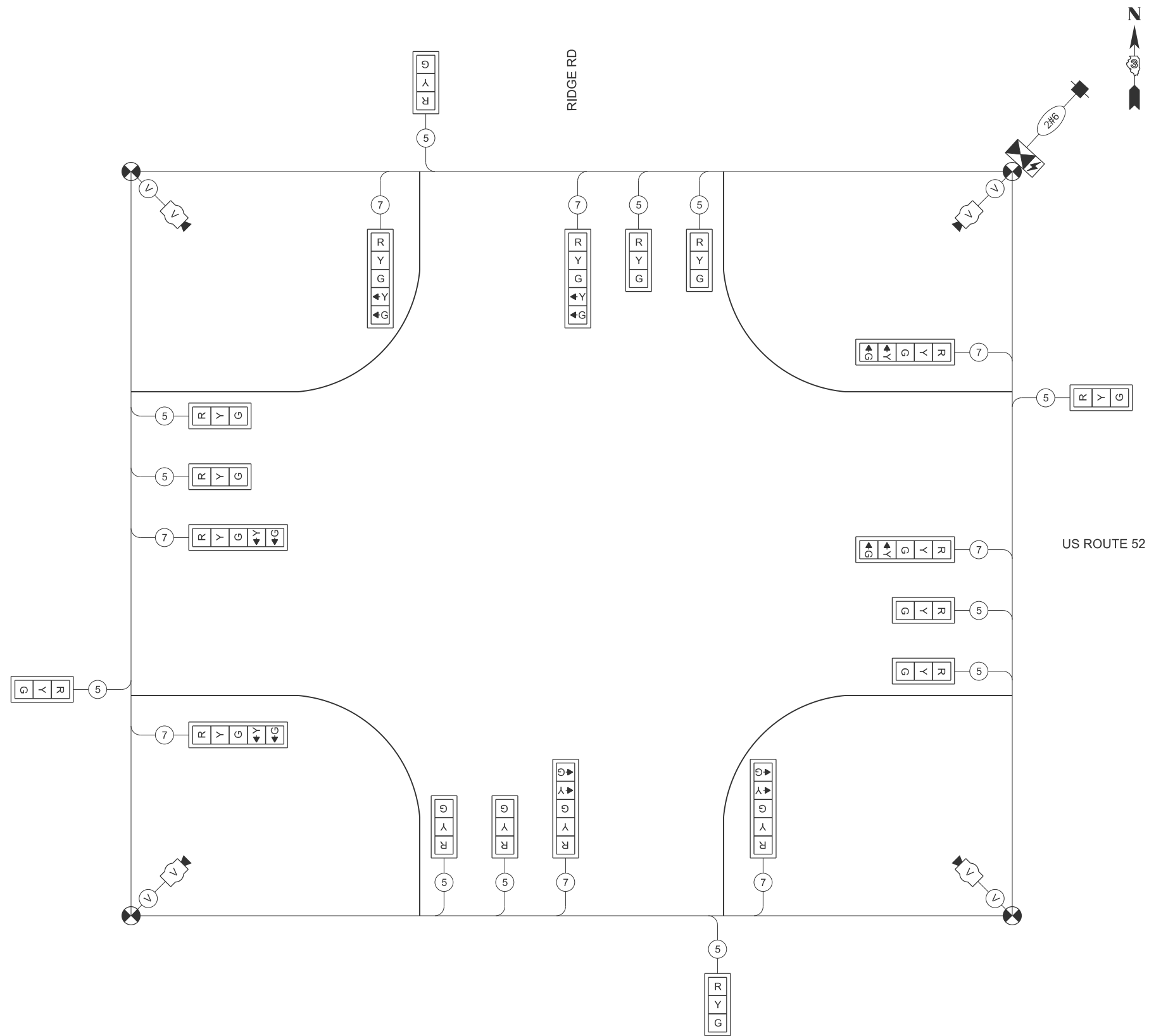


LEGEND:

- ← * — PROTECTED PHASE
- ← - * - - PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-stg1c-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage1c.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

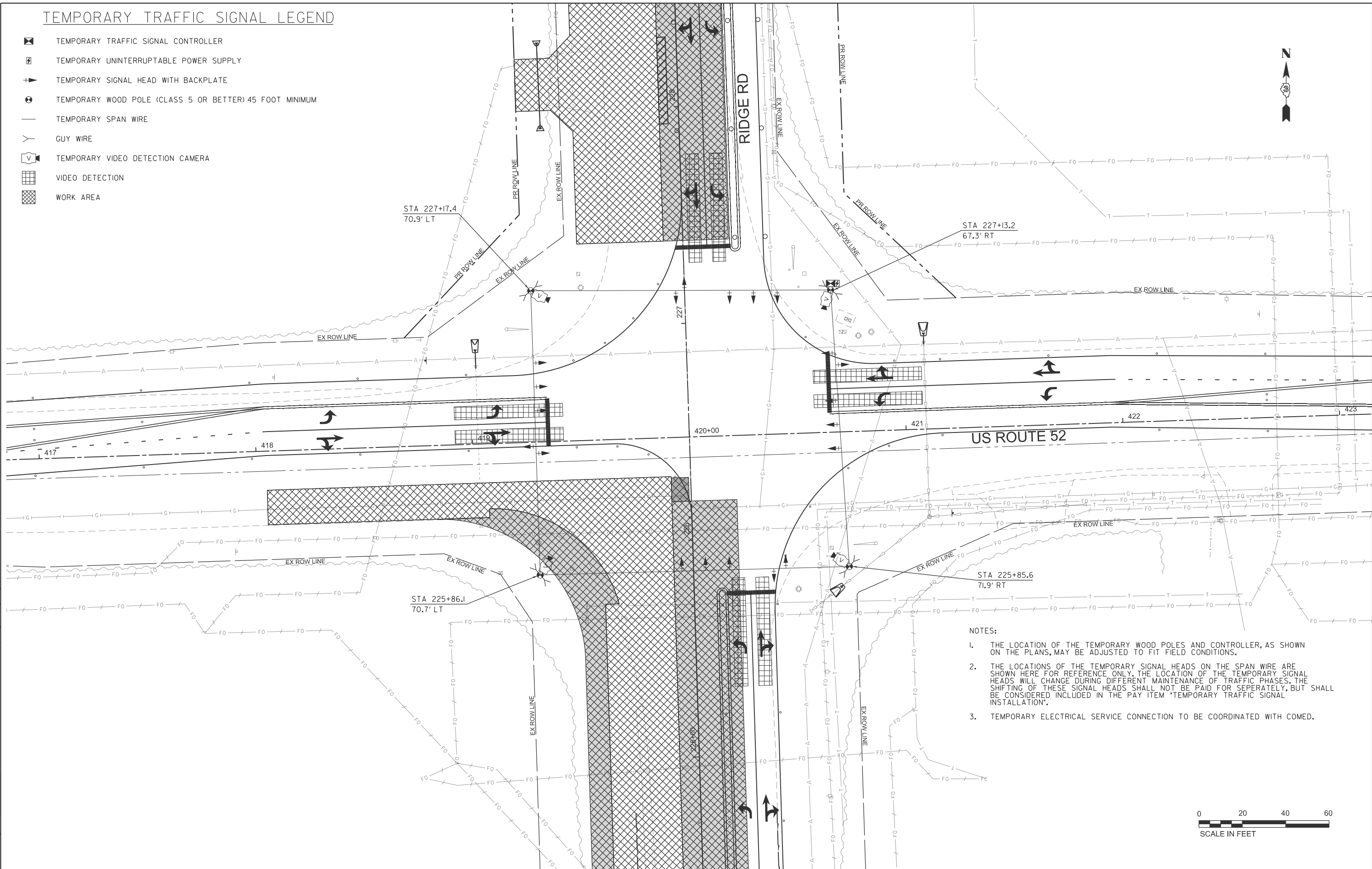
TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 1C
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RT. NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 214
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-1g2-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage2.dgn



USER NAME = BWedemeler
DESIGNED -
DRAWN -
PLOT SCALE = \$\$SCALE\$\$
CHECKED -
DATE = 2/9/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

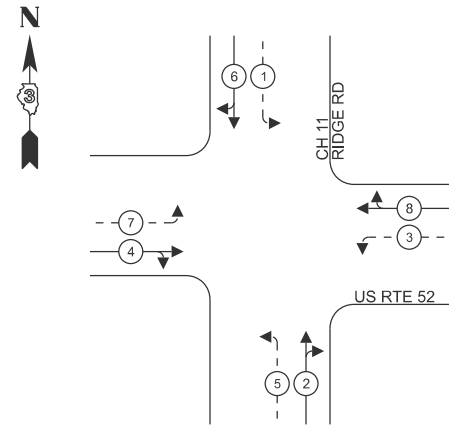
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 2
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RT# NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	215
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

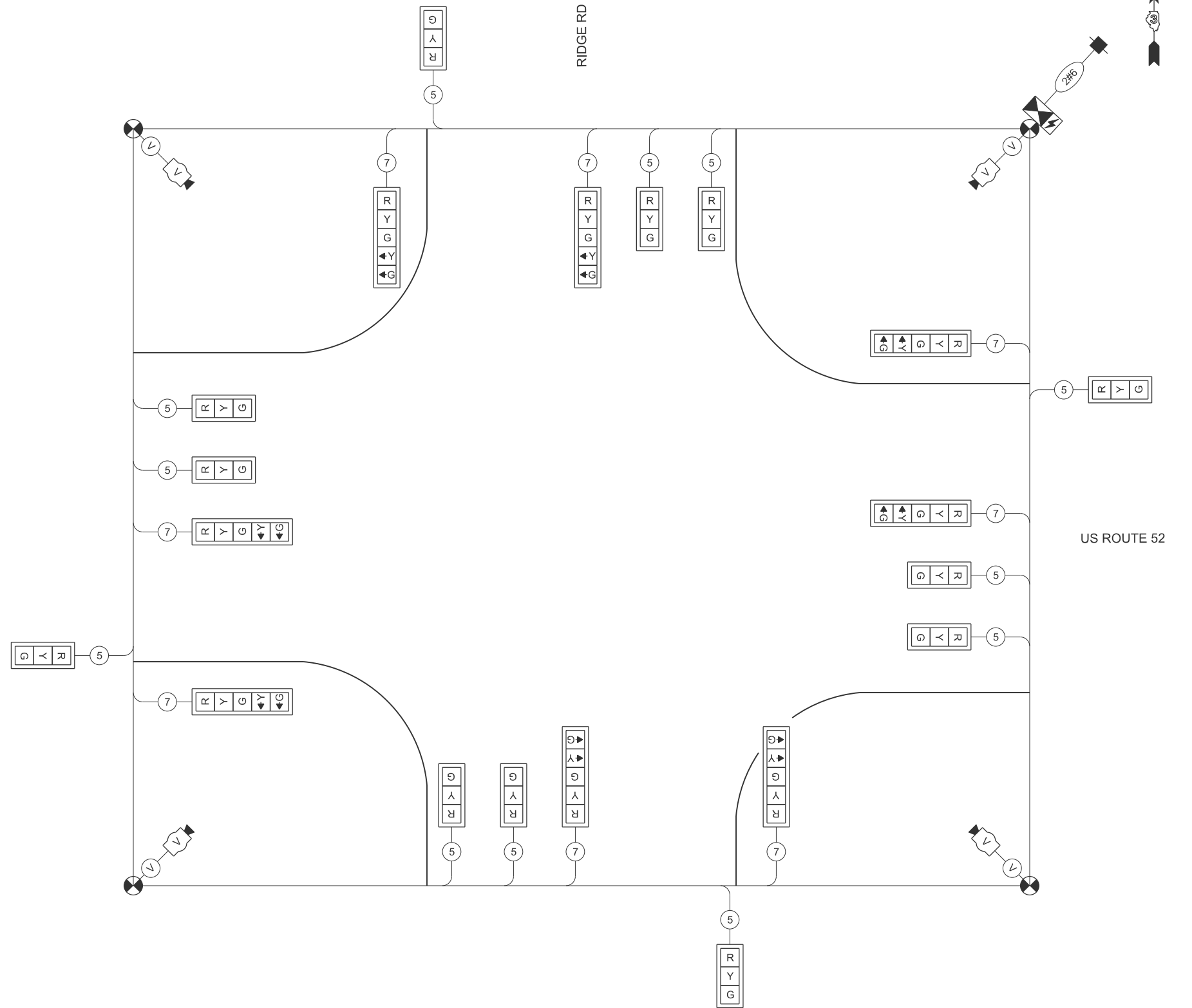


LEGEND:

- ← * — PROTECTED PHASE
- ← - * - - PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 2
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.










RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	216
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

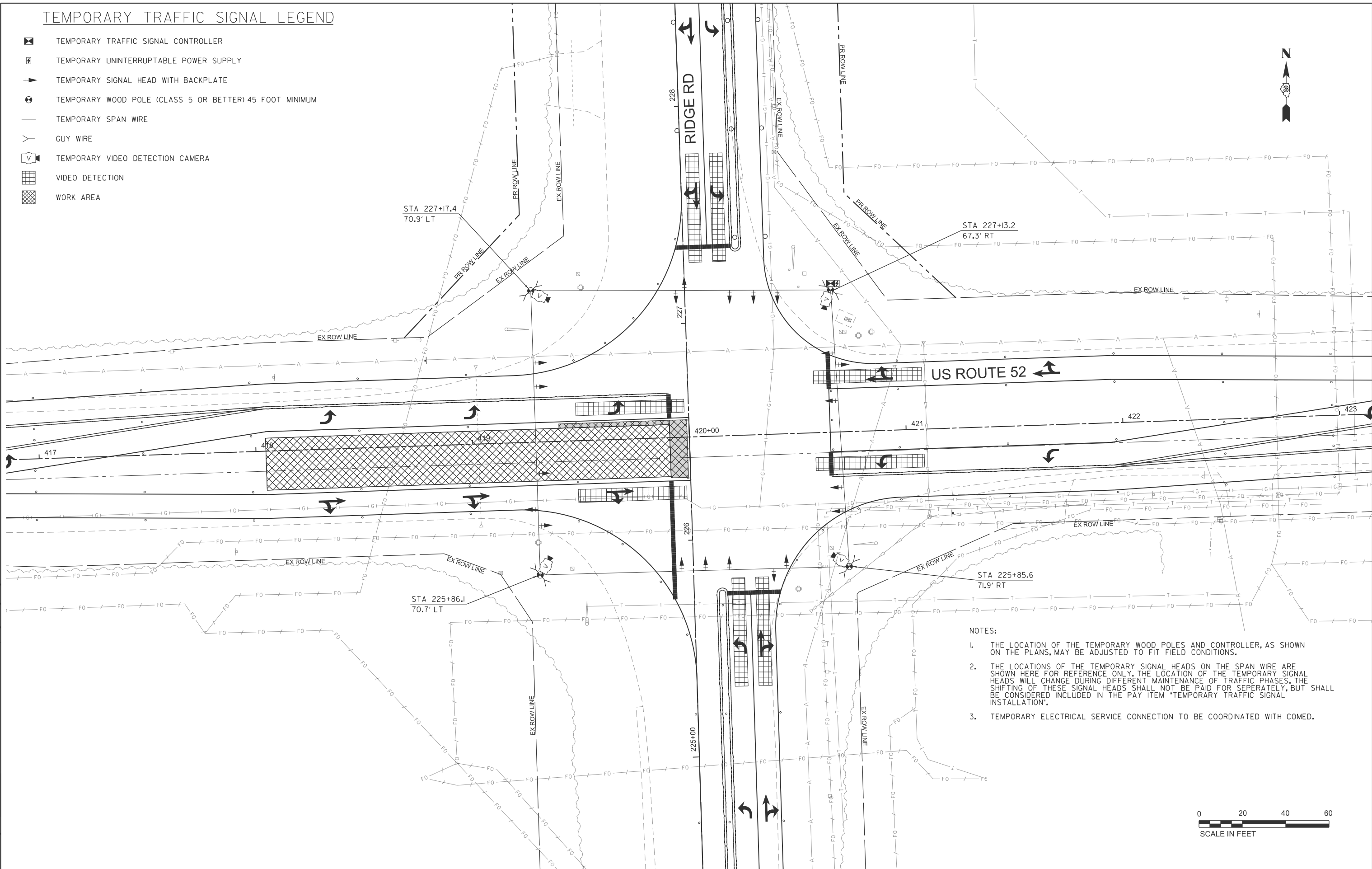
MODEL: sht-us-stg2-2 FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage2.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-192a-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage2A.dgn



USER NAME = BWedemeler	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$\$CALE\$	CHECKED -	REVISED -
PLOT DATE = 2/9/2026	DATE -	REVISED -

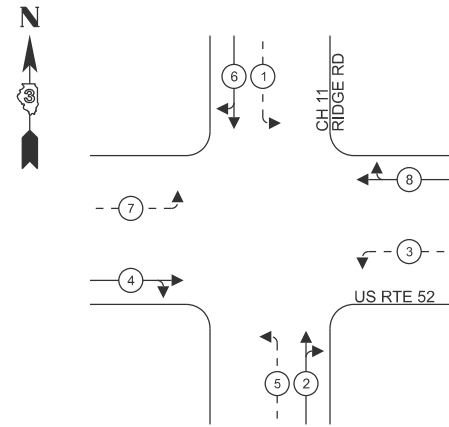
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 2A
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	217
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

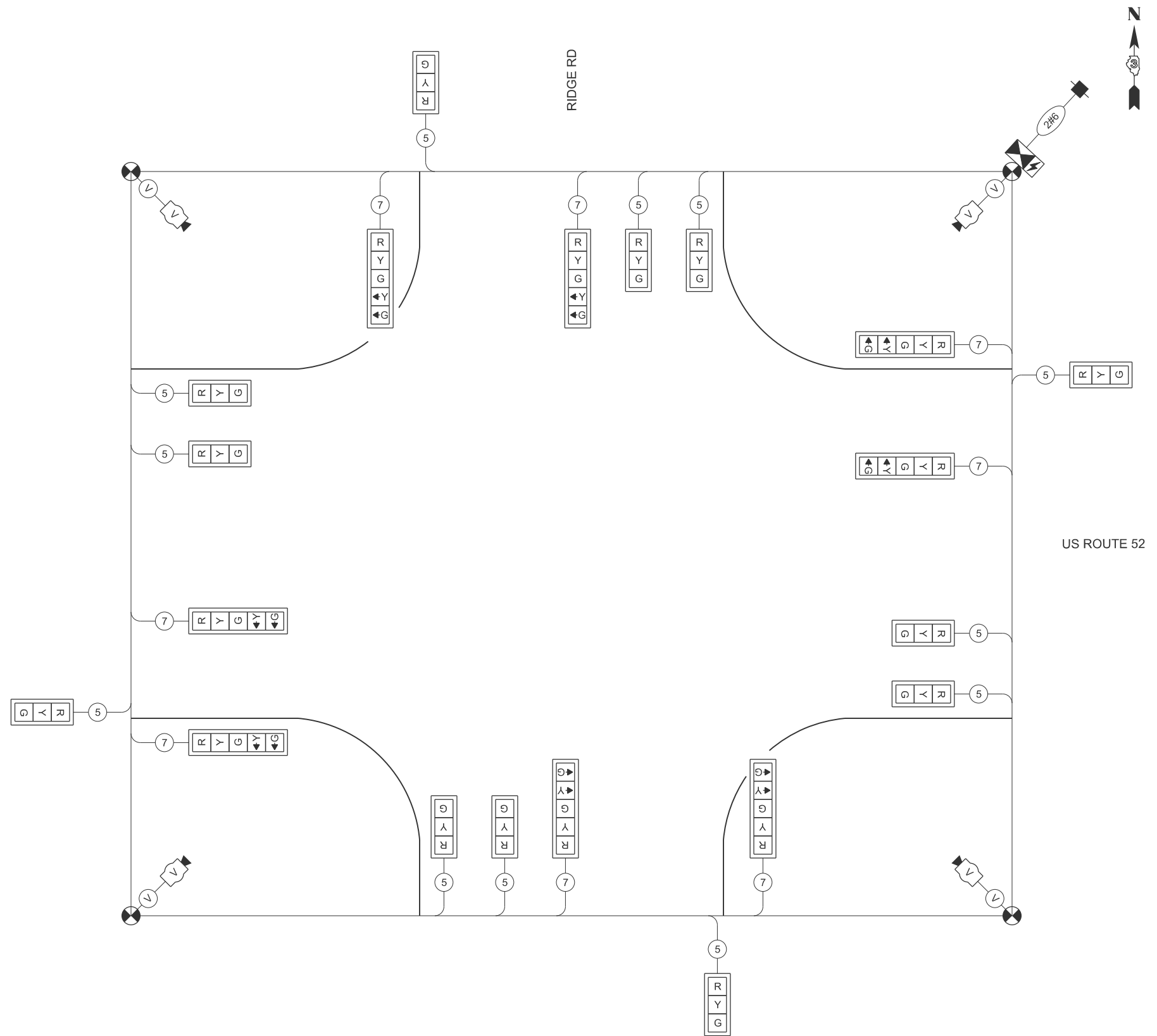


LEGEND:

- ← * — PROTECTED PHASE
- ← - * — PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-stg2a-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage2A.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

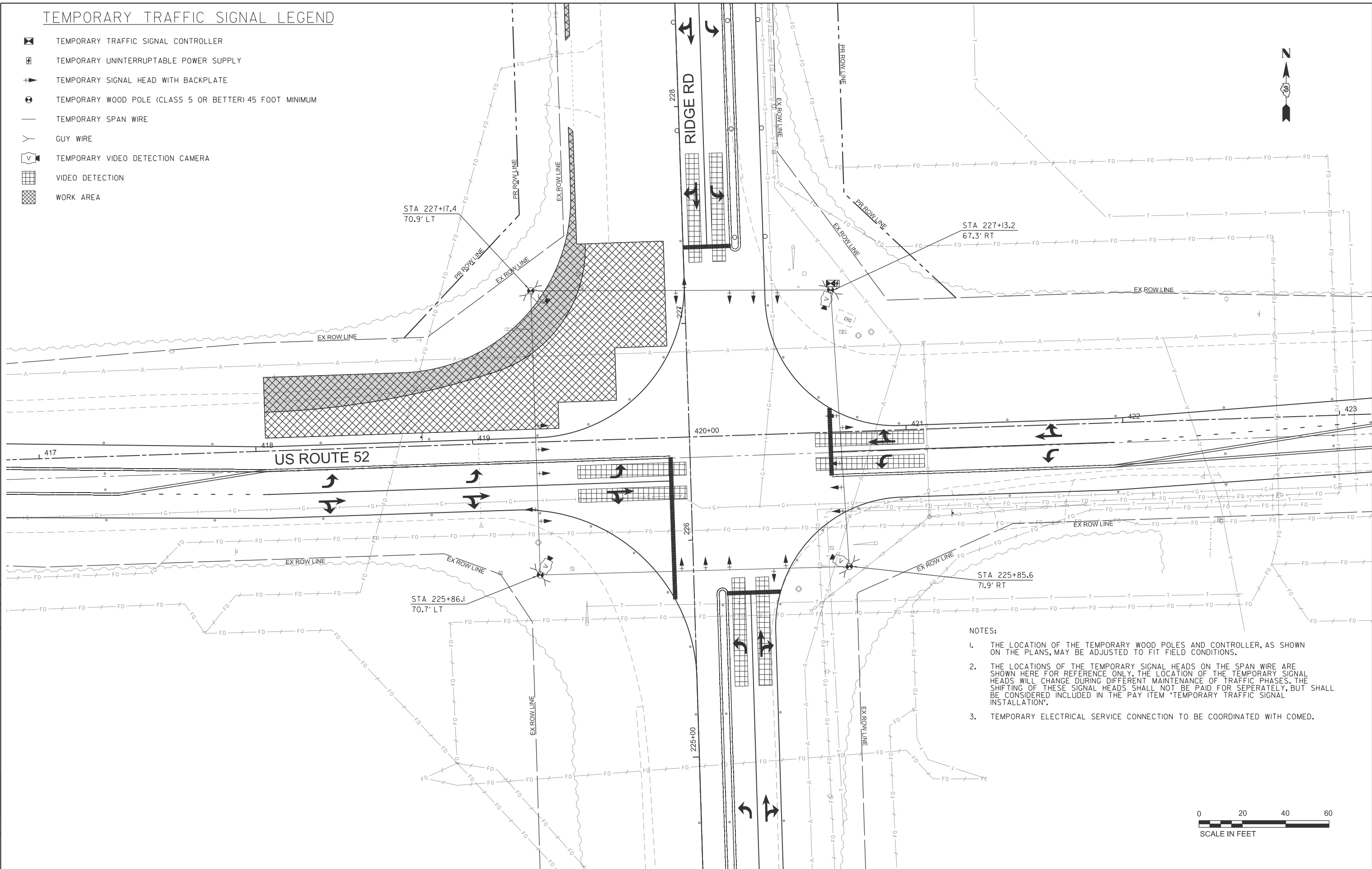
**TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 2A
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RT# NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	218
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:**
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-12b-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage2B.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/9/2026	DATE -	REVISED -

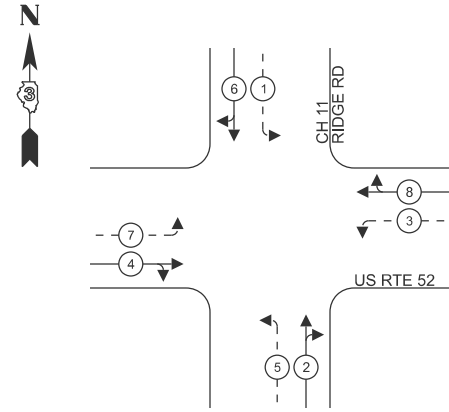
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 2B
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	219
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

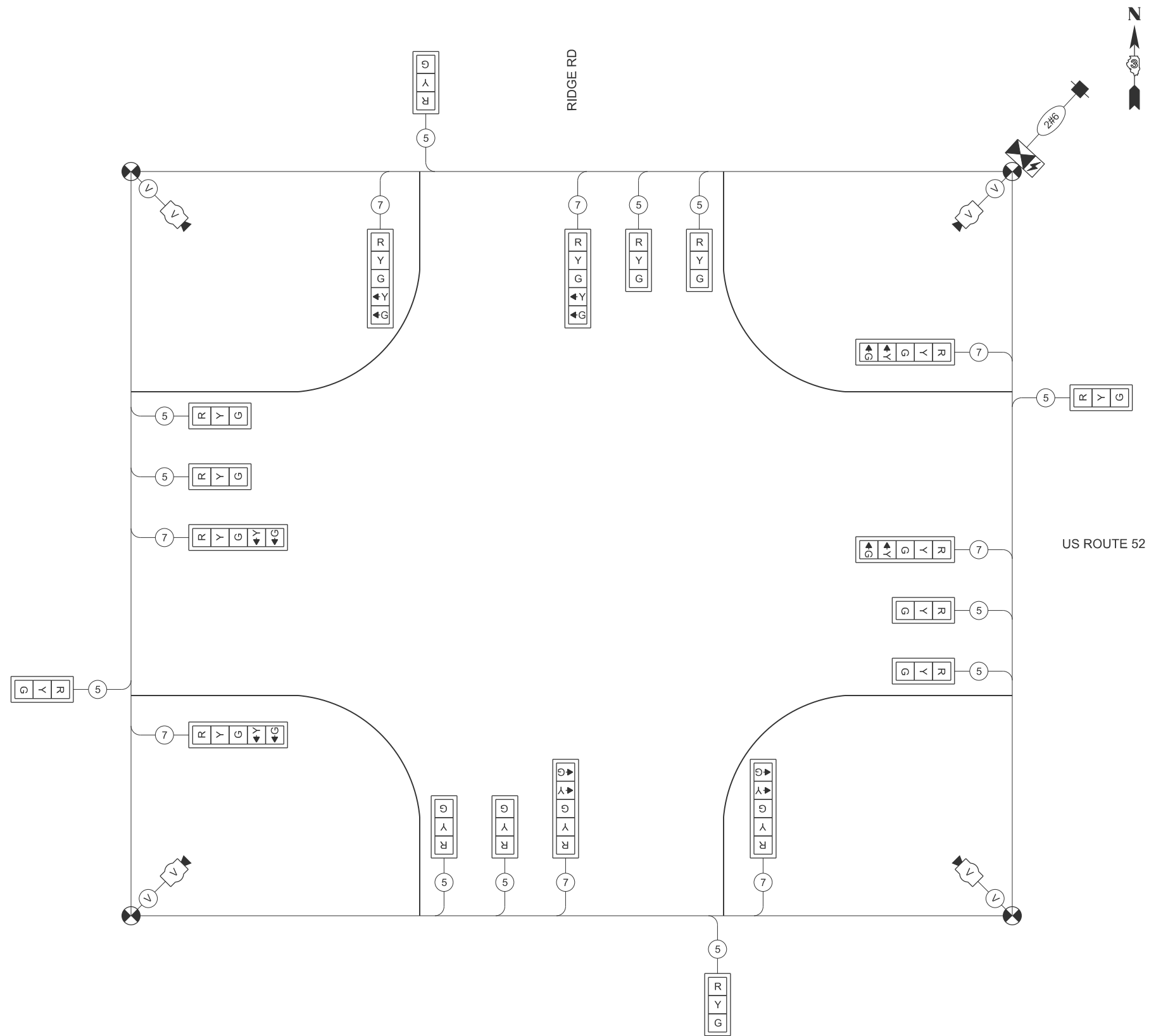


LEGEND:

- ← * — PROTECTED PHASE
- ← - * - - PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-stg2b-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage2B.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/9/2026	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

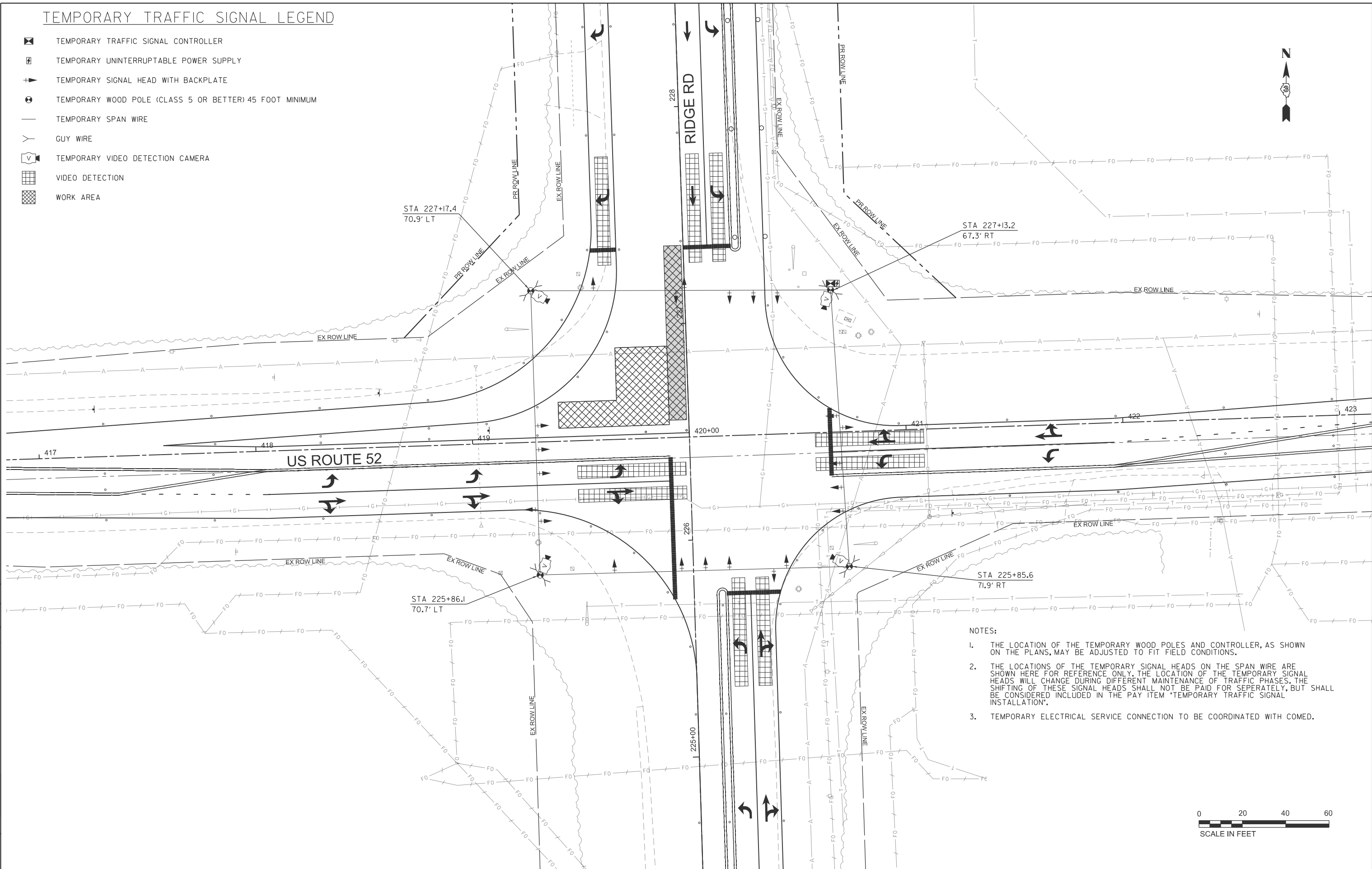
**TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 2B
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	220
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:**
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-52-2c-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage2C.dgn



USER NAME = BWedemder	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/9/2026	DATE -	REVISED -

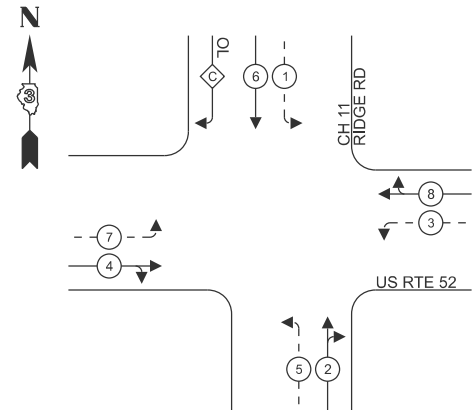
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 2C
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	221
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM



LEGEND:

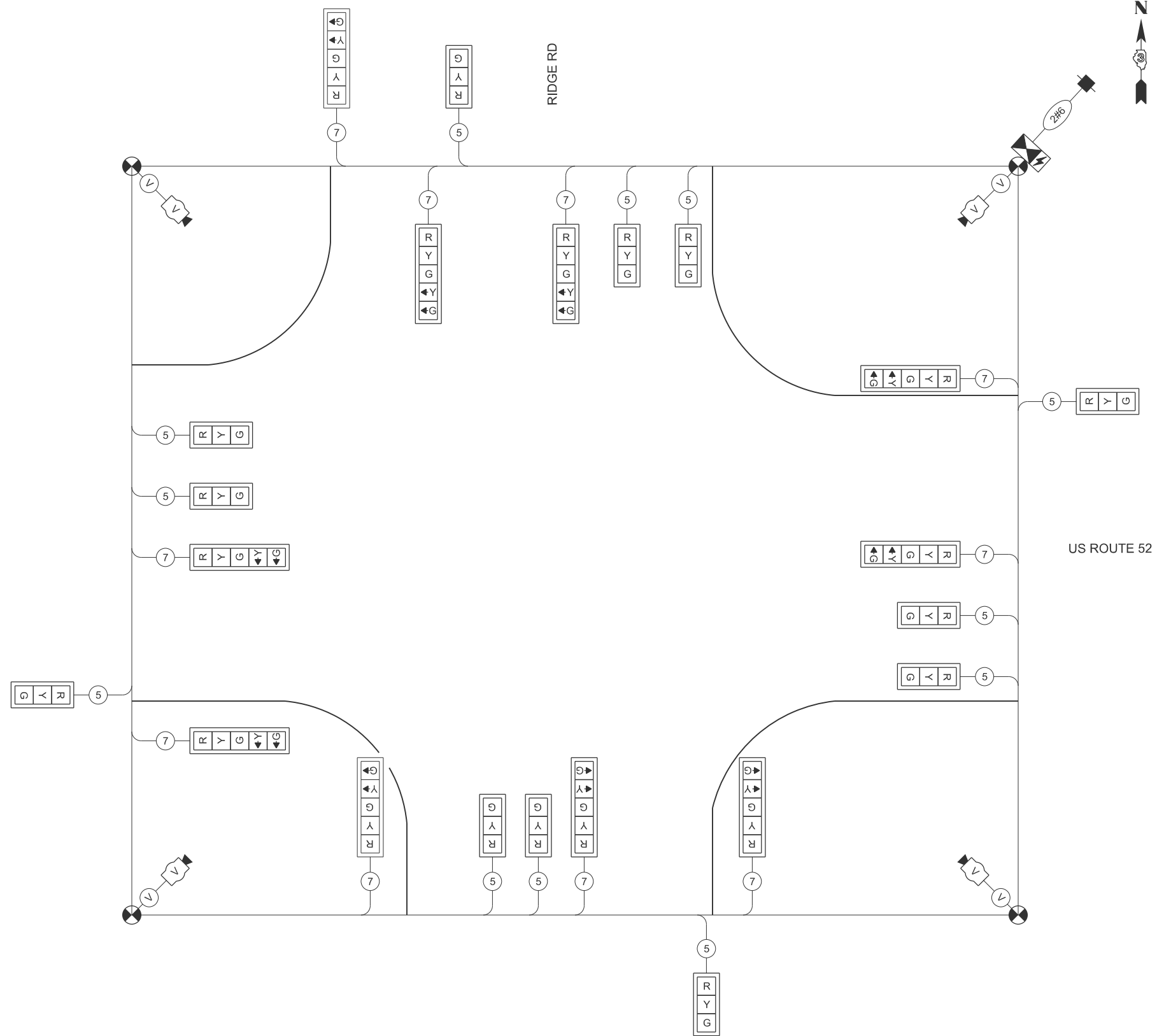
- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PROTECTED PHASE
C	= 6+7

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-ts-stg2c-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-ts-temp-Ridge52-stage2C.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

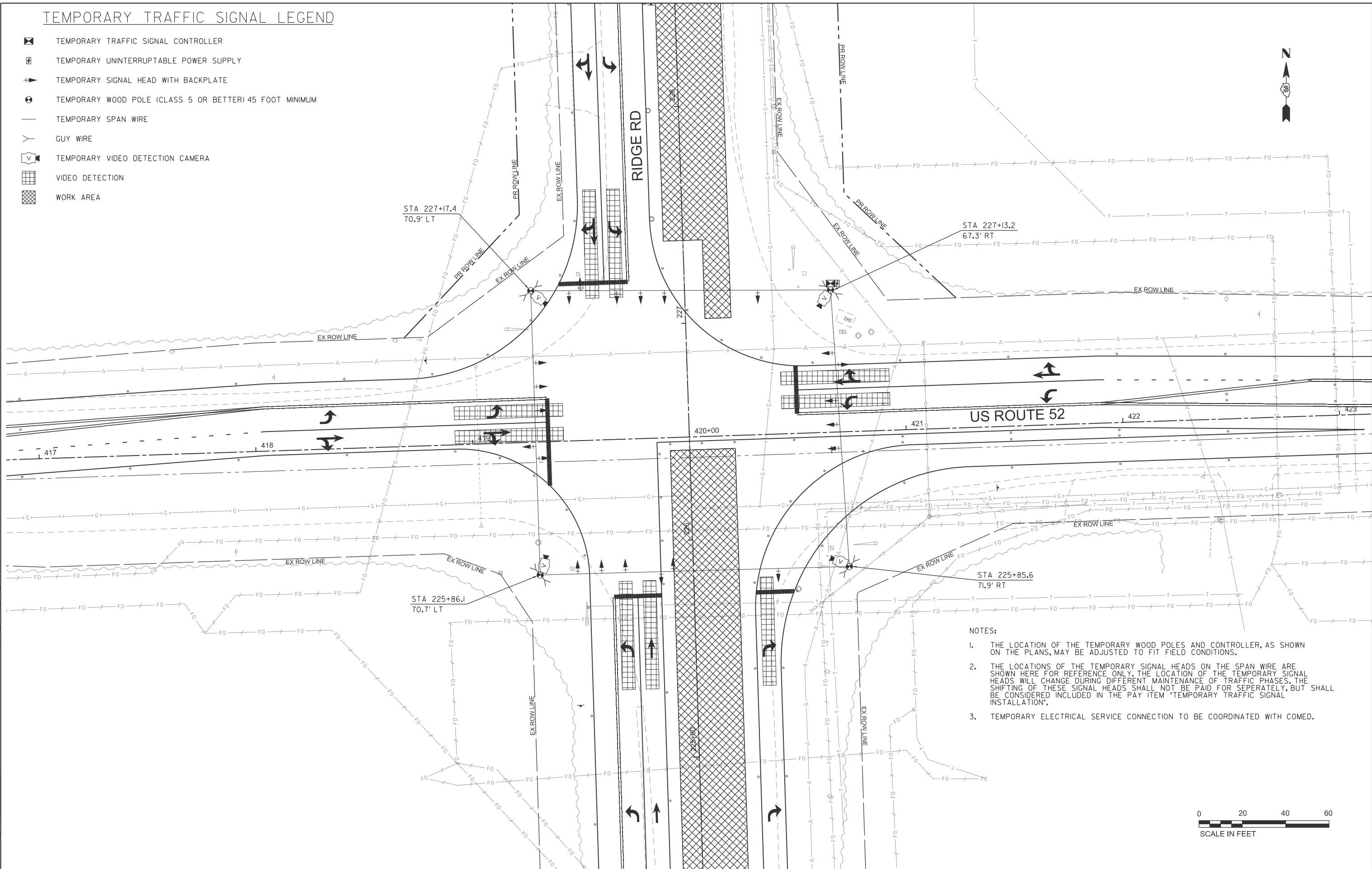
**TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 2C
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	222
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:**
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-1g3-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage3.dgn



USER NAME = BWedemeler
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PLOT DATE = 2/9/2026
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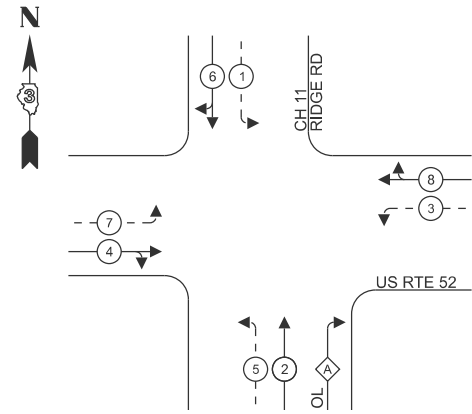
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 3
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	223
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM



LEGEND:

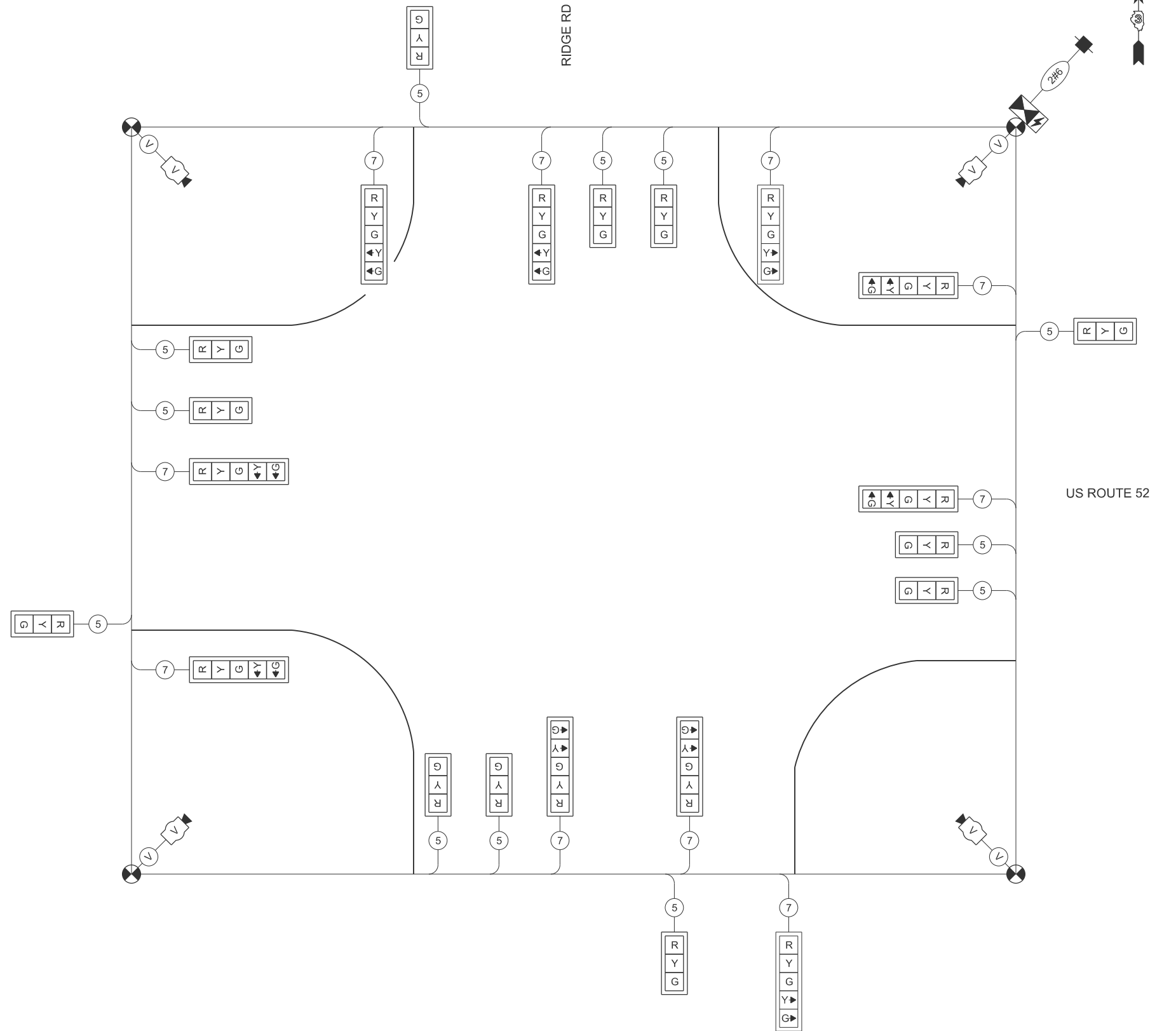
- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PROTECTED PHASE
A	= 2+3

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-193-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage3.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

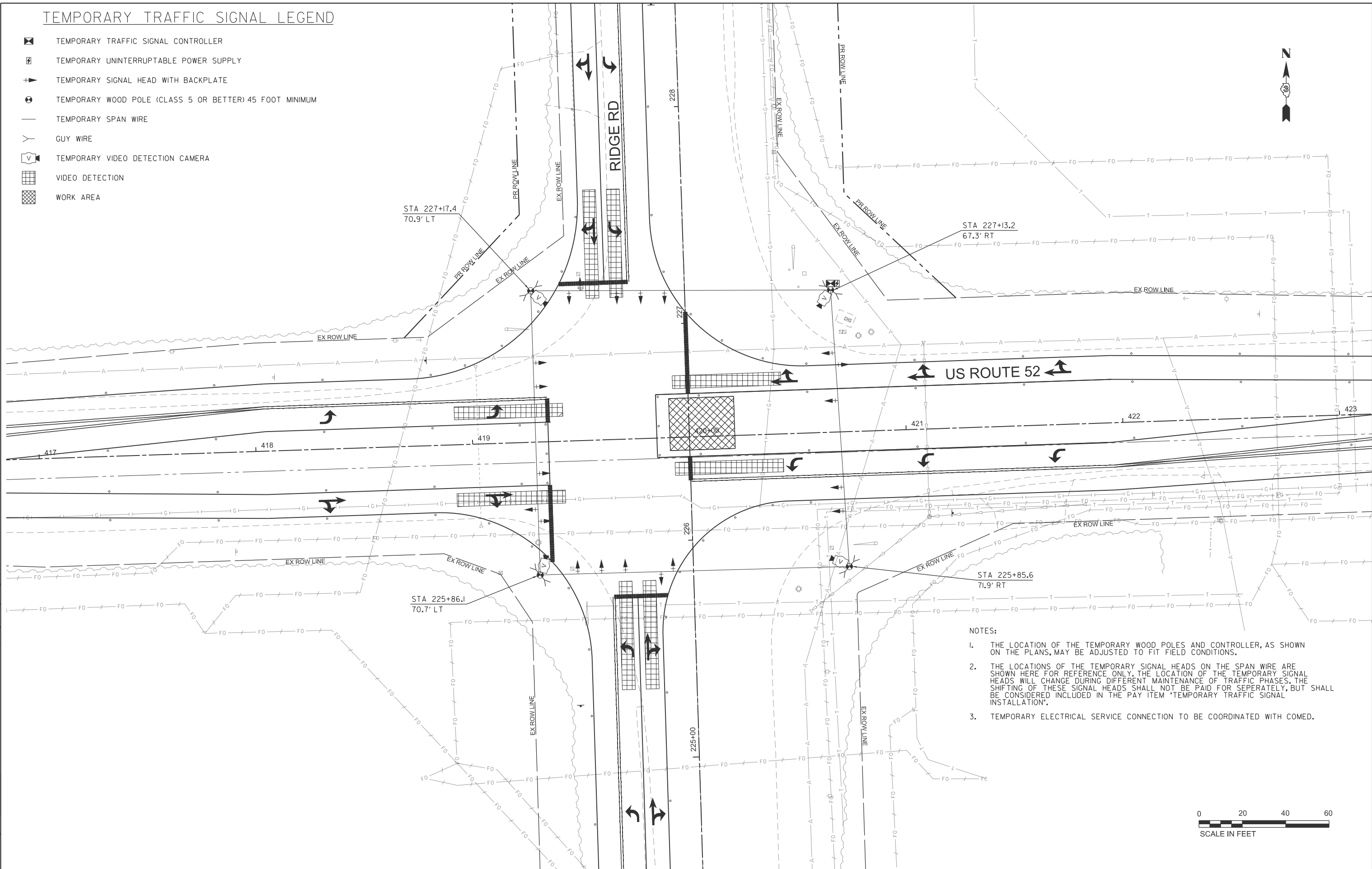
**TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 3
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	224
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:**
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-193a-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage3A.dgn



USER NAME = BWedemder
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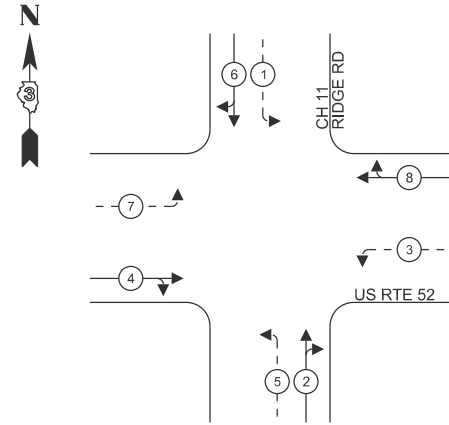
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 3A
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	225
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

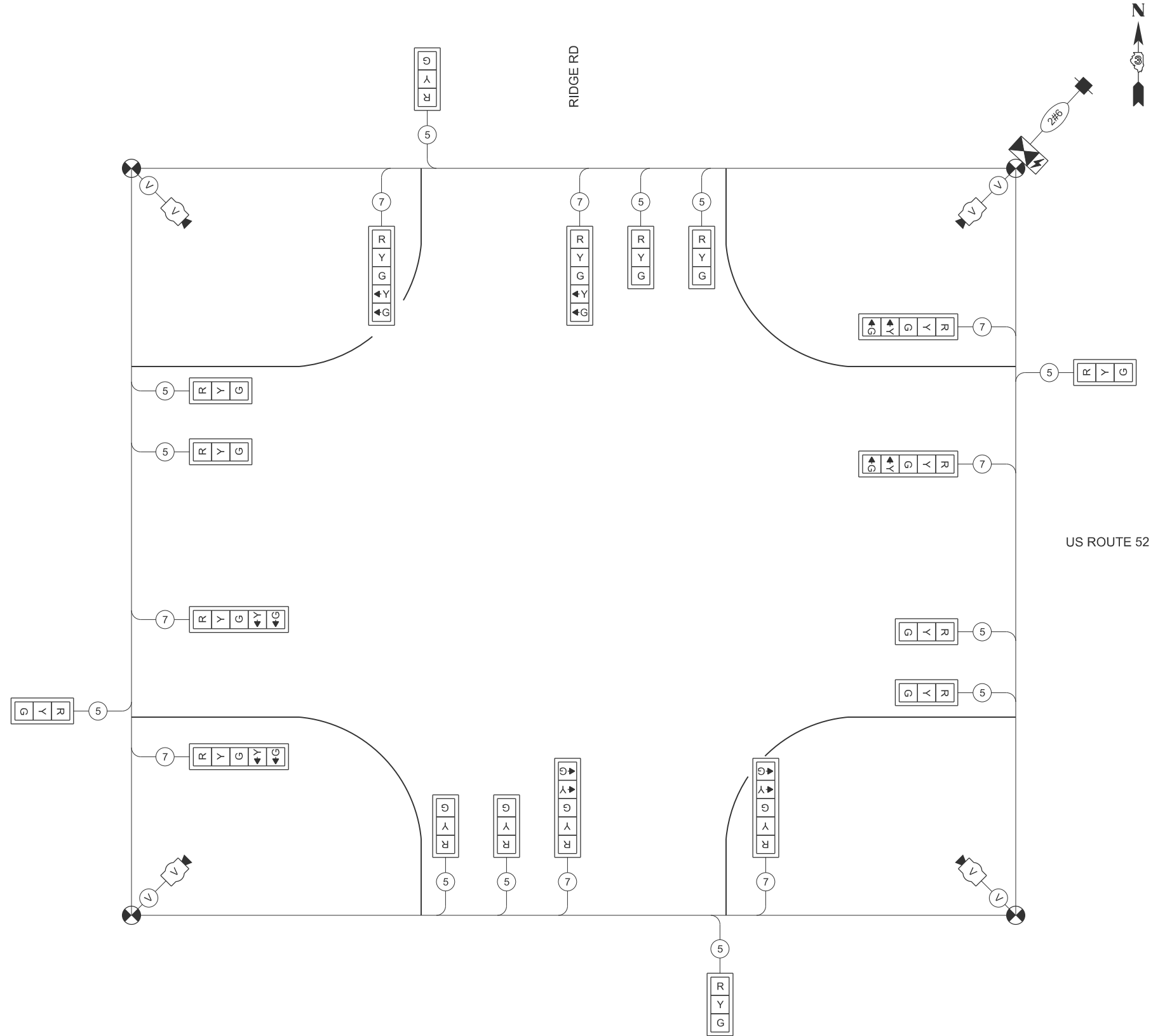


LEGEND:

- ← * — PROTECTED PHASE
- ← - * - PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER
- 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-193a-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage3A.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
PLOT SCALE = \$\$\$CALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -










**KENDALL COUNTY
HIGHWAY DEPARTMENT**

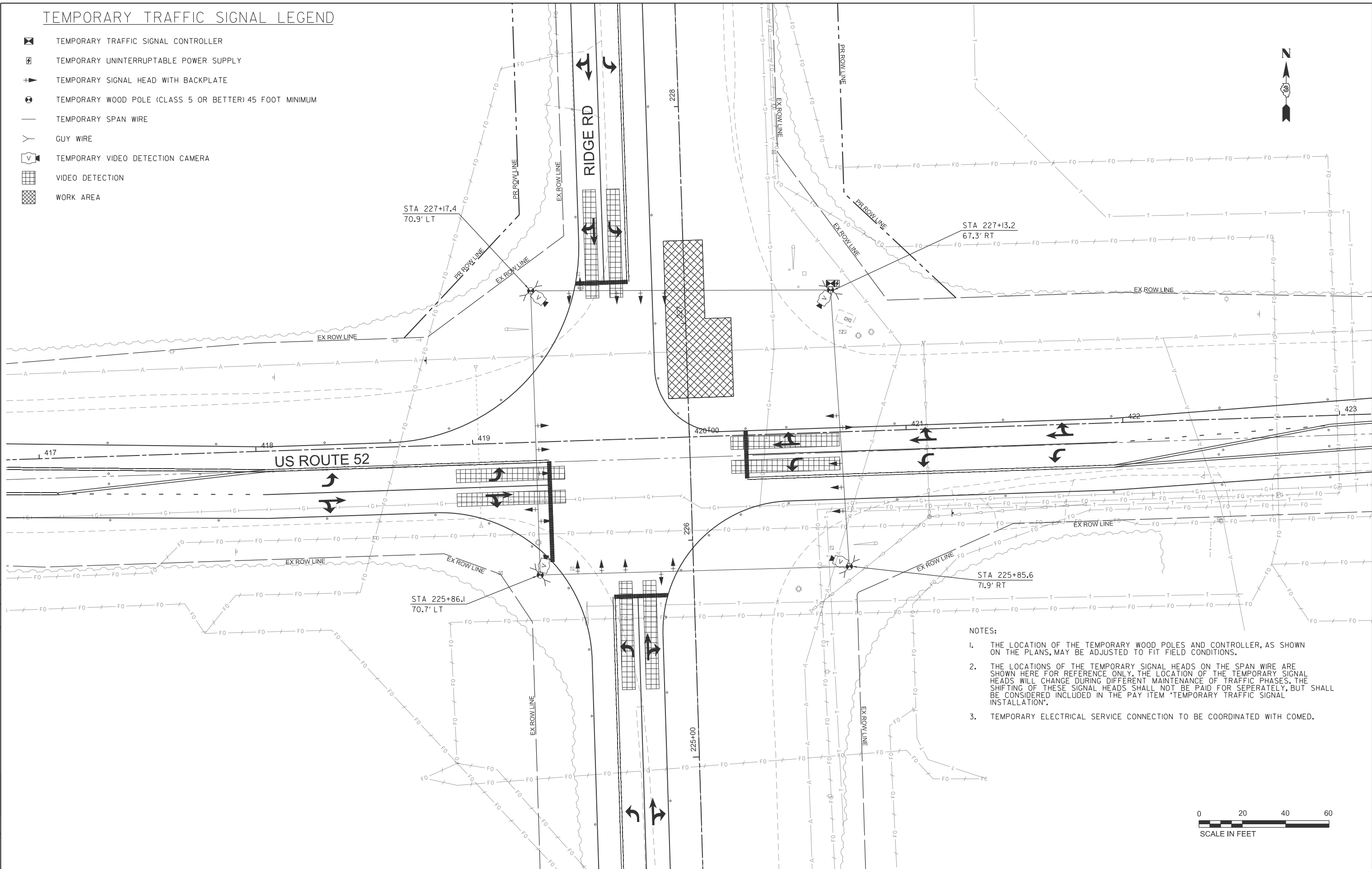
**TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 3A
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	226
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC SIGNAL CONTROLLER
-  TEMPORARY UNINTERRUPTABLE POWER SUPPLY
-  TEMPORARY SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
-  TEMPORARY SPAN WIRE
-  GUY WIRE
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION
-  WORK AREA



- NOTES:**
1. THE LOCATION OF THE TEMPORARY WOOD POLES AND CONTROLLER, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 2. THE LOCATIONS OF THE TEMPORARY SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNAL HEADS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
 3. TEMPORARY ELECTRICAL SERVICE CONNECTION TO BE COORDINATED WITH COMED.



MODEL: sht-us-52-3b-1
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-temp-Ridge52-stage3B.dgn



USER NAME = BWedemder
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PLOT SCALE = \$\$SCALE\$\$
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PLOT DATE = 2/9/2026
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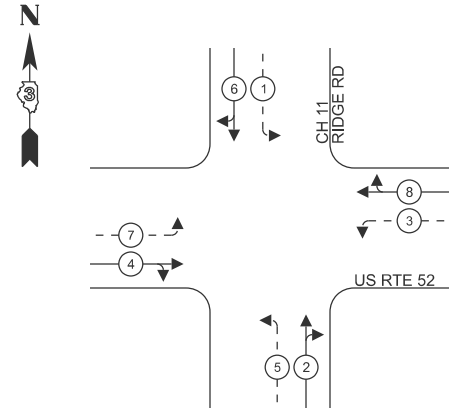
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TEMPORARY TRAFFIC SIGNALS STAGE 3B
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	227
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM

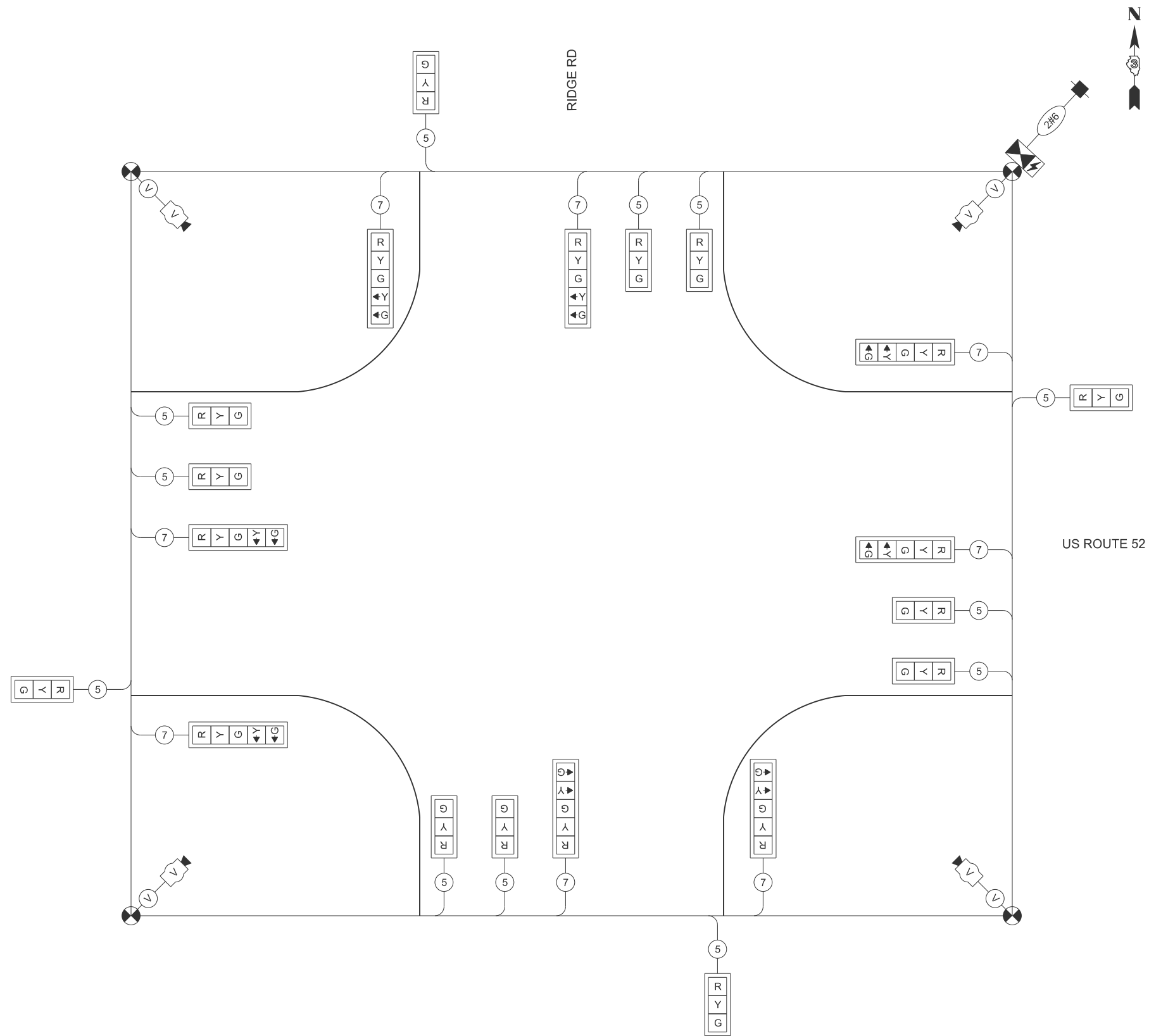


LEGEND:

- ← * — PROTECTED PHASE
- ← - * - - PROTECTED/PERMITTED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- VIDEO CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS CONDUCTOR FOR POWER - 24 V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- TEMPORARY WOOD POLE
- TEMPORARY VIDEO DETECTION CAMERA



TEMPORARY CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-us-stg3b-2
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-us-temp-Ridge52-stage3B.dgn



USER NAME = BWedemeyer	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

TEMPORARY TRAFFIC SIGNAL CABLE DIAGRAM STAGE 3B
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RT. NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 228
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE DISTRICT 3 TRAFFIC SIGNAL SECTION AND KENDALL COUNTY HIGHWAY DEPARTMENT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 3 SHALL BE NOTIFIED AT 815-434-8506 A MINIMUM OF 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS. KENDALL COUNTY HIGHWAY DEPARTMENT SHALL ALSO BE NOTIFIED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
4. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS AND LIGHTING. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY'S REQUIREMENTS FOR THE SERVICE INSTALLATION.
6. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. THIS COST SHALL BE INCLUDED IN THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
7. ALL DAMAGE TO VILLAGE OF MINOOKA OR CITY OF JOLIET OWNED UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRICAL CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
8. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
10. THE MAST ARM FOUNDATIONS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF THE CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF THE FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, GET MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN THE CENTER OF LANE.
11. ALL GROUNDING MATERIALS FOR THE TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.
12. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY. ALL MAST ARM POLE BASES SHALL BE PROTECTED BY A STAINLESS STEEL MESH SCREENING AROUND THE BASE BOLTS TO PREVENT RODENT ENTRY. THE MESH SHALL BE SECURED TO THE BASE BY STAINLESS STEEL BANDING WHICH IS INCLUDED IN THE INDIVIDUAL MAST ARM ASSEMBLY PAY ITEM.
13. ALL CONDUIT IN TRENCH SHALL BE P.V.C.. ALL CONDUIT PUSHED MAY BE SCHEDULE 80 OR GALVANIZED STEEL, AND SHALL BE USED UNDER PAVEMENT, STABILIZED SHOULDER, PAVED MEDIAN, PAVED DRIVEWAY, CURB AND/OR GUTTER, AND SIDEWALK. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
14. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2" MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
15. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATION OR CONTROLLER. THIS COST SHALL BE INCLUDED IN THE COST OF THE CONDUIT PAY ITEMS.
16. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS INSIDE OF THE CABINET. THE BOTTOM OF THE CONTROLLER CABINET SHALL BE A MINIMUM OF 1' ABOVE THE NEAREST HANDHOLE GRADE.
17. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES AND JUNCTION BOXES WILL NOT BE ALLOWED.
18. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
19. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTROLLER CABINET PAY ITEM.
20. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
21. THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
22. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.
23. ALL TRAFFIC SIGNAL CONTROLLERS SHALL INCLUDE NTCIP.
24. ALL UNINTERRUPTABLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
25. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
26. ALL TRAFFIC SIGNALS SHALL HAVE 12-INCH SINGLE LED LENSES.
27. ALL SIGNAL HEADS SHALL HAVE BACKPLATES. BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLOURESCENT YELLOW SHEETING.
28. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE A POLYCARBONATE BLACK HOUSING AND STEEL OR ALUMINUM BRACKETS.
29. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
30. ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER AND MAINTAIN A MINIMUM 16.5' CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
31. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON, OR AS DIRECTED BY THE ENGINEER. TAN COLORED TRAFFIC AND PEDESTRIAN SIGNAL COVERS SHALL BE USED TO COVER DARK/UN-ENERGIZED SIGNAL SECTIONS AND VISORS. COVERS SHALL BE MADE OF OUTDOOR FABRIC WITH URETHANE COATING FOR REPELLING WATER, HAVE ELASTIC FULLY SEWN AROUND THE COVER ENDS FOR A TIGHT FIT OVER THE VISOR, AND HAVE A MINIMUM OF TWO STRAPS WITH BUCKLES TO SECURE THE COVER TO THE BACKPLATE. A CENTER MESH STRIP ALLOWS VIEWING WITHOUT REMOVAL FOR SIGNAL STATUS TESTING PURPOSES. COVERS SHALL INCLUDE A MESSAGE INDICATING THE SIGNAL IS NOT IN SERVICE. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
32. ALL HANDHOLES AND DOUBLE HANDHOLES INSTALLED CLOSE TO THE ROADWAY SHALL OPEN UP TOWARDS THE ROADWAY SO THE ELECTRICAL MAINTAINER IS NOT EXPOSED TO TRAFFIC WHILE WORKING.
33. THE DOUBLE HANDHOLES SHALL BE FURNISHED WITH RECESSED, INTEGRAL, HINGED LIDS.
34. LOCATIONS WITH PEDESTRIAN EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATIONS FROM THE PLAN FOR TRAFFIC SIGNAL MAST ARMS/POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
35. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
36. ONE WEEK PRIOR TO SIGNAL TURN-ON FOR ALL DIRECTIONS, THE CHANGEABLE MESSAGE SIGNS SHOULD READ "NEW SIGNAL AHEAD / TURN ON DATE" FOR THREE WEEKS. AFTER THE SIGNALS ARE TURNED ON, THE MESSAGE SIGN SHOULD READ "NEW SIGNAL AHEAD / BE PREPARED TO STOP" / FOR FOUR WEEKS.
37. ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.

MODEL: SHT-GENERAL NOTES
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-ts-gen.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL GENERAL NOTES
CH 11 (RIDGE RD)**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	229
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

LOCATION	LENGTH	TYPE
A	54.0'	S. COMB. MAA. & POLE
B	16.0'	SIGNAL POST
C	55.0'	S. COMB. MAA. & POLE
D	55.0'	S. COMB. MAA. & POLE
E	16.0'	SIGNAL POST
F	55.0'	S. COMB. MAA. & POLE
G	16.0'	SIGNAL POST

SCHEDULE OF SIGNAL HEAD QUANTITIES

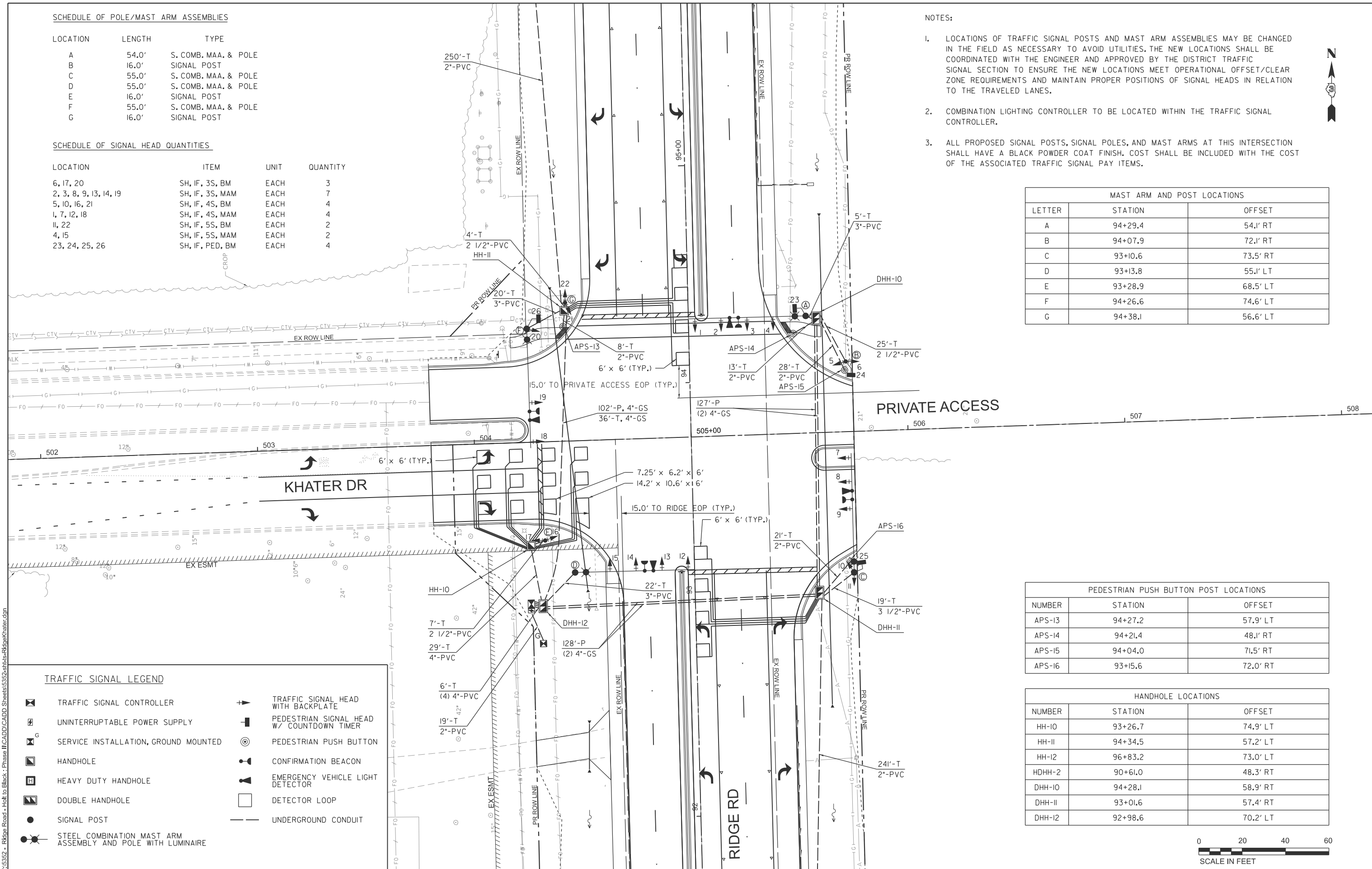
LOCATION	ITEM	UNIT	QUANTITY
6, 17, 20	SH, IF, 3S, BM	EACH	3
2, 3, 8, 9, 13, 14, 19	SH, IF, 3S, MAM	EACH	7
5, 10, 16, 21	SH, IF, 4S, BM	EACH	4
1, 7, 12, 18	SH, IF, 4S, MAM	EACH	4
11, 22	SH, IF, 5S, BM	EACH	2
4, 15	SH, IF, 5S, MAM	EACH	2
23, 24, 25, 26	SH, IF, PED, BM	EACH	4

NOTES:

- LOCATIONS OF TRAFFIC SIGNAL POSTS AND MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITIONS OF SIGNAL HEADS IN RELATION TO THE TRAVELED LANES.
- COMBINATION LIGHTING CONTROLLER TO BE LOCATED WITHIN THE TRAFFIC SIGNAL CONTROLLER.
- ALL PROPOSED SIGNAL POSTS, SIGNAL POLES, AND MAST ARMS AT THIS INTERSECTION SHALL HAVE A BLACK POWDER COAT FINISH. COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.



MAST ARM AND POST LOCATIONS		
LETTER	STATION	OFFSET
A	94+29.4	54.1' RT
B	94+07.9	72.1' RT
C	93+10.6	73.5' RT
D	93+13.8	55.1' LT
E	93+28.9	68.5' LT
F	94+26.6	74.6' LT
G	94+38.1	56.6' LT



PEDESTRIAN PUSH BUTTON POST LOCATIONS		
NUMBER	STATION	OFFSET
APS-13	94+27.2	57.9' LT
APS-14	94+21.4	48.1' RT
APS-15	94+04.0	71.5' RT
APS-16	93+15.6	72.0' RT

HANDHOLE LOCATIONS		
NUMBER	STATION	OFFSET
HH-10	93+26.7	74.9' LT
HH-11	94+34.5	57.2' LT
HH-12	96+83.2	73.0' LT
HDHH-2	90+61.0	48.3' RT
DHH-10	94+28.1	58.9' RT
DHH-11	93+01.6	57.4' RT
DHH-12	92+98.6	70.2' LT

TRAFFIC SIGNAL LEGEND

- TRAFFIC SIGNAL CONTROLLER
- UNINTERRUPTIBLE POWER SUPPLY
- SERVICE INSTALLATION, GROUND MOUNTED
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER
- PEDESTRIAN PUSH BUTTON
- CONFIRMATION BEACON
- EMERGENCY VEHICLE LIGHT DETECTOR
- DETECTOR LOOP
- UNDERGROUND CONDUIT



MODEL: sht-1-khater.dgn FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-1-khater.dgn



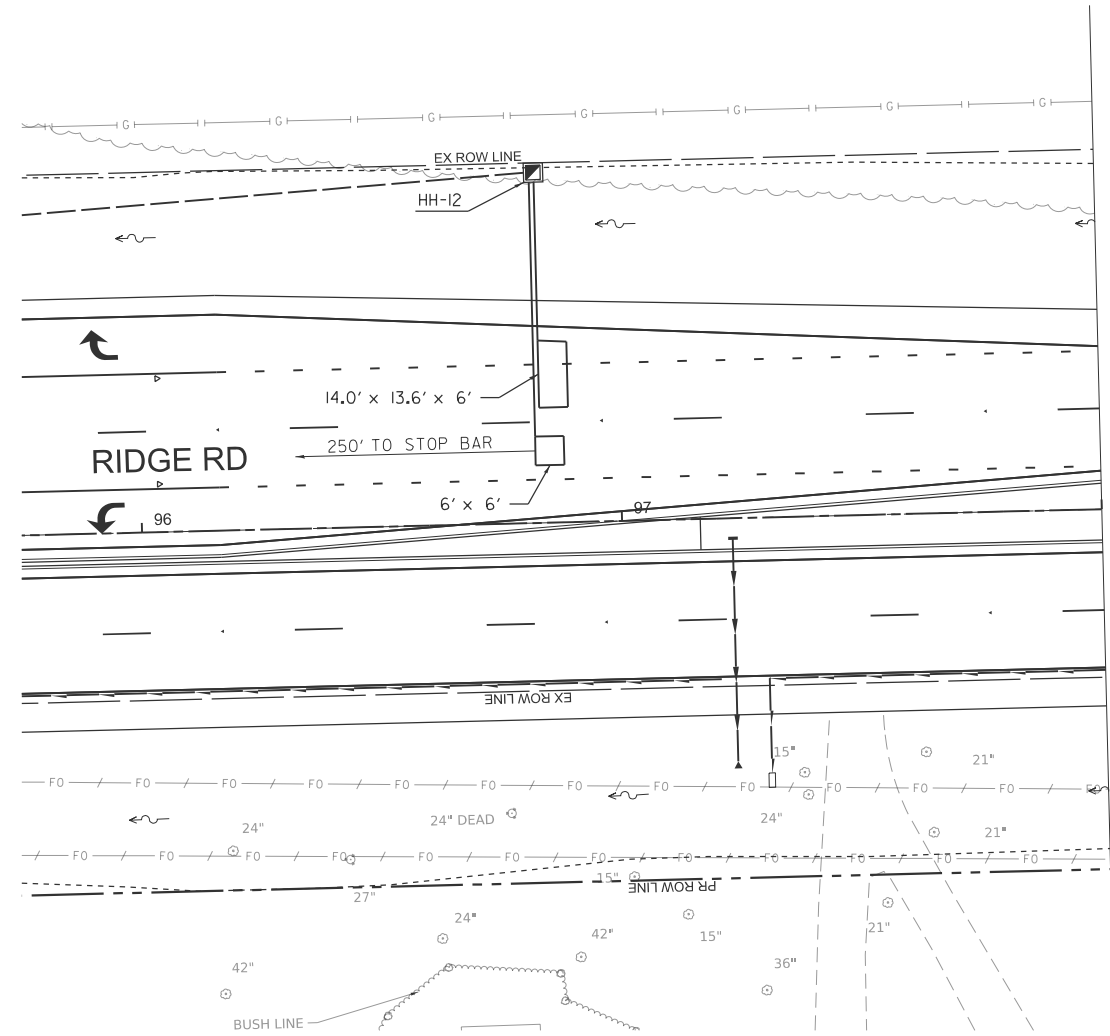
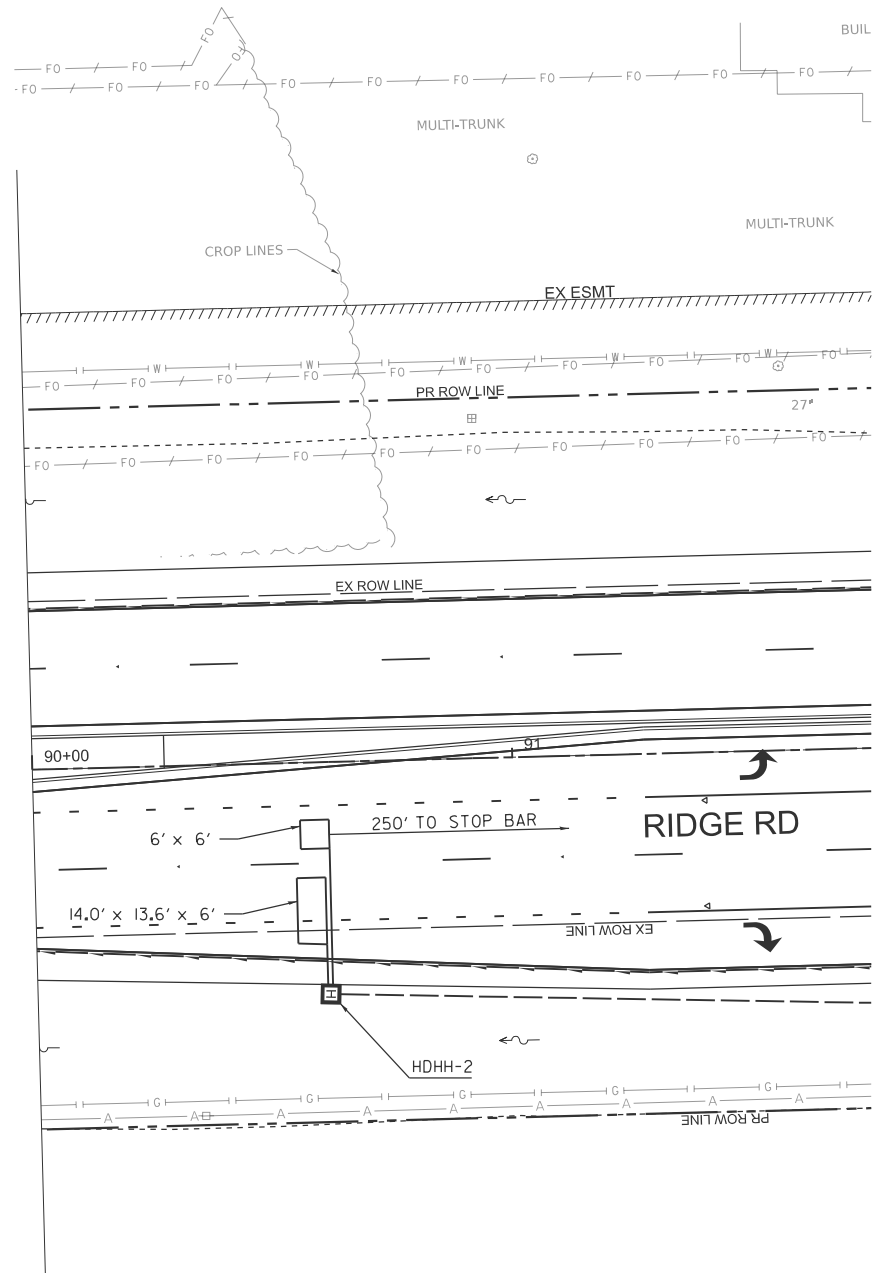
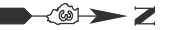
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PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

PROPOSED TRAFFIC SIGNALS CH 11 (RIDGE RD) - KHATER DR & RIDGE RD

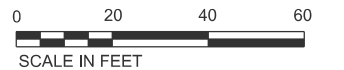
SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RTE. NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 230
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

- | | | | |
|--|---|--|---|
| | TRAFFIC SIGNAL CONTROLLER | | TRAFFIC SIGNAL HEAD WITH BACKPLATE |
| | UNINTERRUPTIBLE POWER SUPPLY | | PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER |
| | SERVICE INSTALLATION, GROUND MOUNTED | | PEDESTRIAN PUSH BUTTON |
| | HANDHOLE | | CONFIRMATION BEACON |
| | HEAVY DUTY HANDHOLE | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | DOUBLE HANDHOLE | | DETECTOR LOOP |
| | SIGNAL POST | | UNDERGROUND CONDUIT |
| | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | |



MODEL: sht-1s-2-khater
 FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-1s-2-khater.dgn



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	DATE -	REVISED -

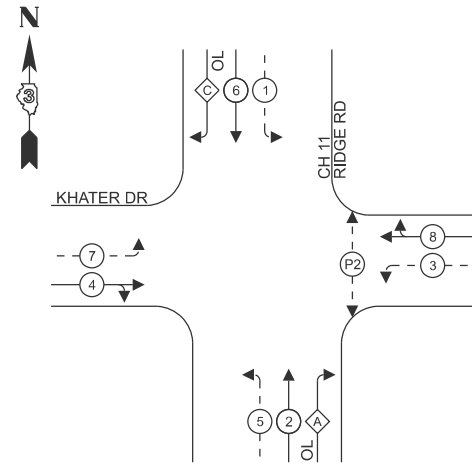
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TRAFFIC SIGNALS
CH 11 (RIDGE RD) - KHATER DR & RIDGE RD**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	231
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM



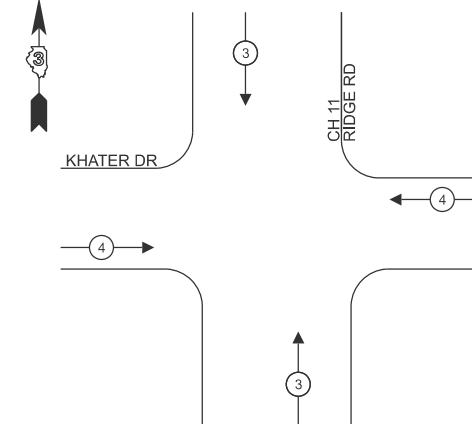
LEGEND:

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← OL OVERLAP
- ← (⊙) ← PEDESTRIAN MOVEMENT

RIGHT TURN OVERLAP PHASE DESIGNATION:

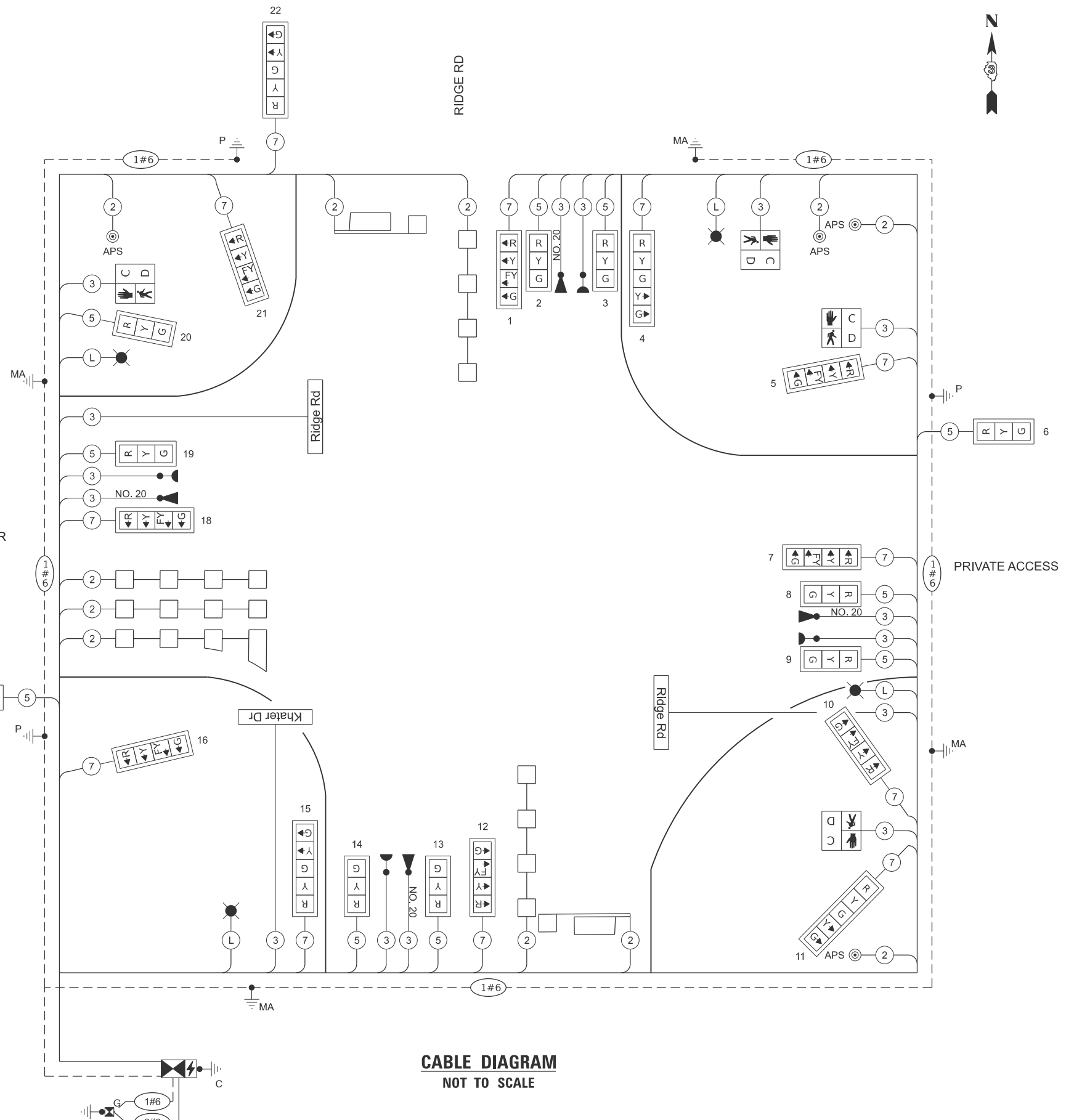
OVERLAP LETTER	PROTECTED PHASE
A	2+3
C	6+7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE DIAGRAM LEGEND

- | | | | |
|--|---|--|--|
| | TRAFFIC SIGNAL CONTROLLER | | CONFIRMATION BEACON |
| | UNINTERRUPTIBLE POWER SUPPLY | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | SERVICE INSTALLATION, GROUND MOUNTED | | GROUND CABLE ROD AT CONTROLLER (C) |
| | TRAFFIC SIGNAL HEAD WITH BACKPLATE | | GROUND ROD AT POST (P) OR MAST ARM (MA) |
| | PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | PEDESTRIAN PUSH BUTTON | | GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN) |
| | DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE | | SERVICE CABLE IN CONDUIT, SERVICE, NO. 6 2C |
| | DETECTOR LOOP | | LIGHTING CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C, NO. 10 |
| | LUMINAIRE, TYPE B (SPECIAL) | | |



CABLE DIAGRAM
NOT TO SCALE

MODEL: sht-ss-3-khater
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-ss-RidgeKhater.dgn



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	DATE -	REVISED -

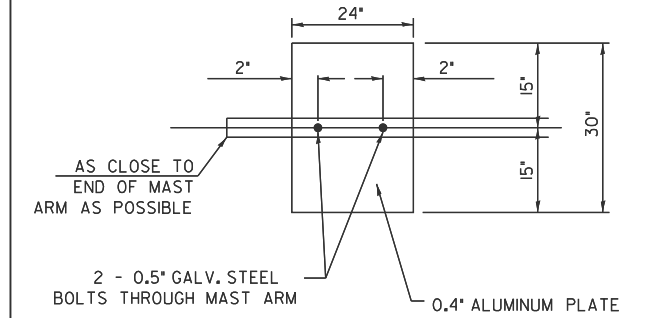
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL CABLE DIAGRAM
CH 11 (RIDGE RD) - KHATER DR & RIDGE RD**

SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

RTE. NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 232
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

NOTE:
DAMPENING DEVICE SHALL CONSIST OF A 24" x 30" TYPE I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.

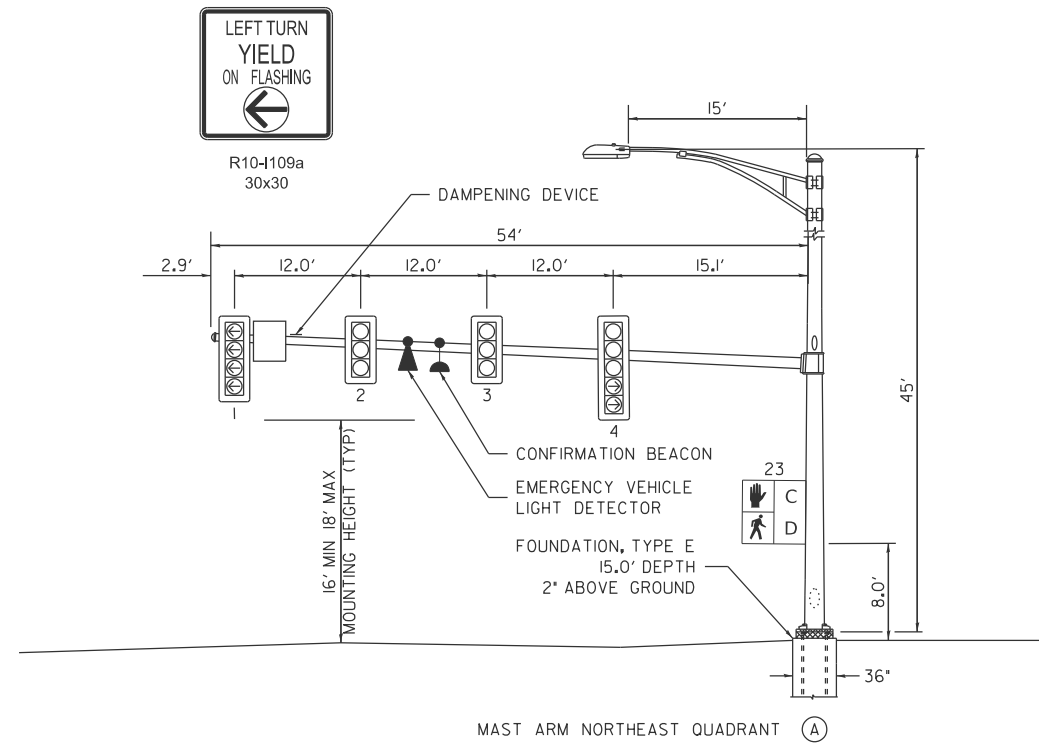


DAMPENING PLATE DETAIL

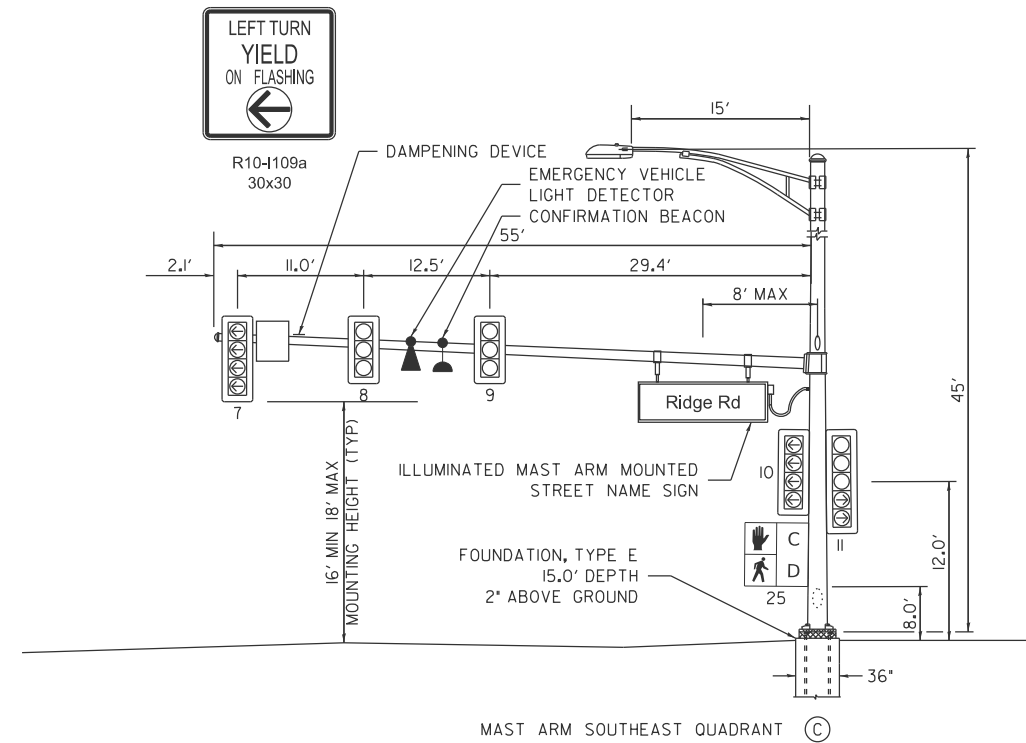
(TOP VIEW) INCLUDED IN COST OF MAST ARM

NOTES:

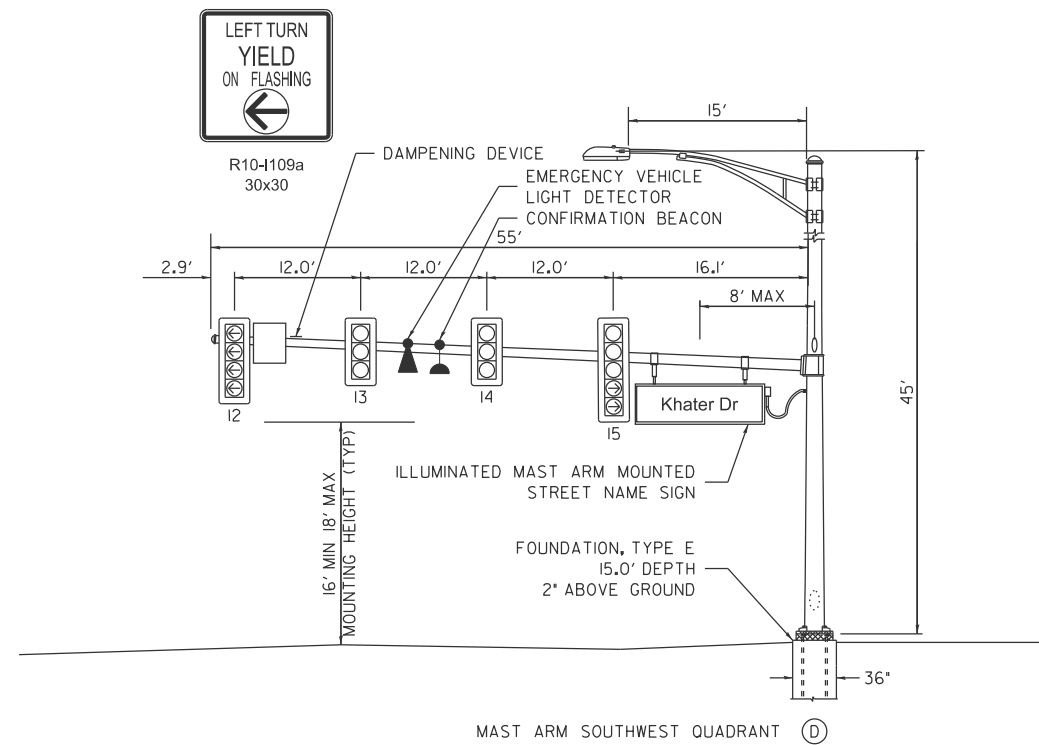
1. ALL TRAFFIC SIGNAL HEADS SHALL HAVE POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLOURESCENT YELLOW SHEETING.
2. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 INCHES ABOVE THE SURROUNDING GRADE LINE IN ACCORDANCE WITH HIGHWAY STANDARD 87800I.
3. TOP OF FOUNDATION SHOULD BE 2 INCHES ABOVE TOP OF CURB (OR GROUND WHERE CURB IS NOT PRESENT) OR ONE INCH ABOVE CENTERLINE OF THE ROADWAY, WHICHEVER IS HIGHER.
4. THE ENERGY CHARGES ARE THE RESPONSIBILITY OF KENDALL COUNTY AND THE BILL SHOULD BE SET UP UNDER THEIR NAME.



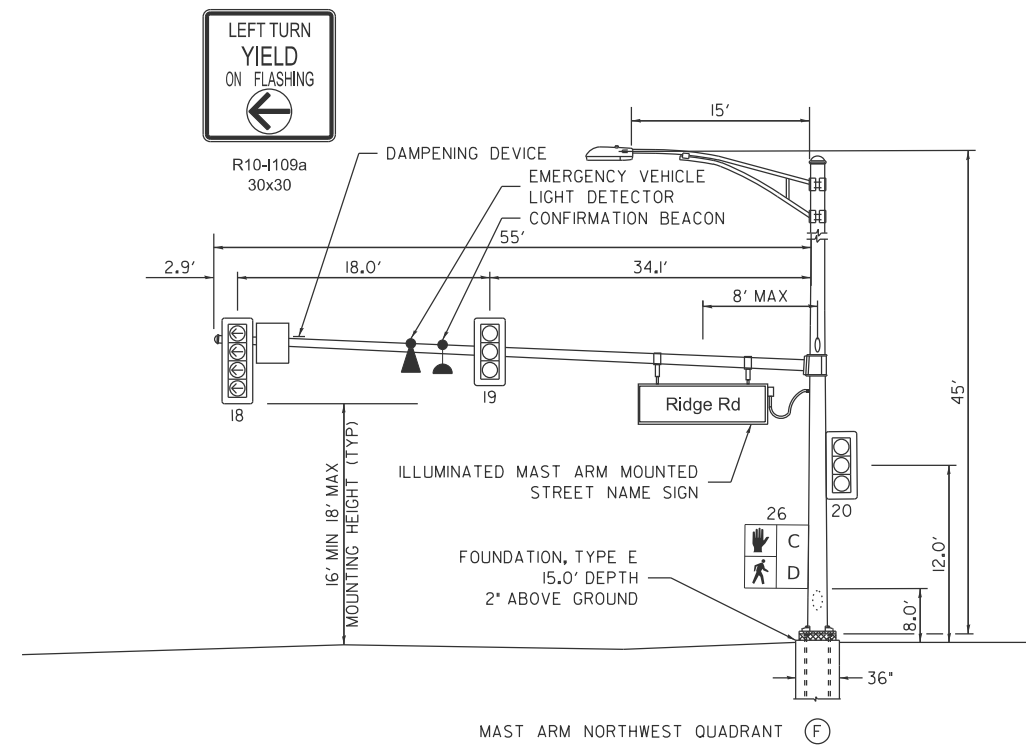
MAST ARM NORTHEAST QUADRANT (A)



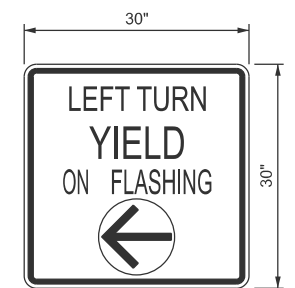
MAST ARM SOUTHEAST QUADRANT (C)



MAST ARM SOUTHWEST QUADRANT (D)



MAST ARM NORTHWEST QUADRANT (F)



N.T.S.
R10-1109a
TYPE AP SHEETING REQUIRED
6.25 SQ FT EACH (4) REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN LANE SIGNAL HEAD.

MODEL: sht-1s-4-khater
FILE NAME: V:\5552 - Ridge Road - Holl to Black - Phase II\CADD\CADD Sheets\5552-sht-1s-4-RidgeKhater.dgn



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	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - KHATER DR & RIDGE RD**

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	233
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

C.H. 11 (RIDGE ROAD) AT KHATER DRIVE
ELECTRICAL LOAD CHART

RIDGE RD INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	8	12.0	50	48.0
YELLOW	8	32.0	10	25.6
GREEN	8	12.0	40	38.4
RED ARROW	4	12.0	40	19.2
YELLOW ARROW	8	12.0	10	9.6
GREEN ARROW	8	11.0	10	8.8
FLASHING YELLOW ARROW	4	12.0	40	19.2
STREET NAME SIGN	2	120.0	50	120.0
PED SIGNAL - WALK	2	7.0	5	0.7
PED SIGNAL - DON'T WALK	2	7.0	95	13.3

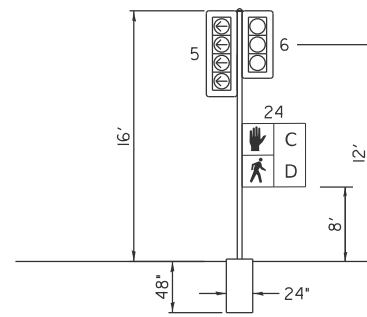
KHATER DR INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	6	12.0	60	43.2
YELLOW	6	32.0	10	19.2
GREEN	6	12.0	30	21.6
RED ARROW	4	12.0	40	19.2
YELLOW ARROW	4	12.0	10	4.8
GREEN ARROW	4	11.0	10	4.4
FLASHING YELLOW ARROW	4	12.0	40	19.2
STREET NAME SIGN	1	120.0	50	60.0
PED SIGNAL - WALK	2	7.0	5	0.7
PED SIGNAL - DON'T WALK	2	7.0	95	13.3

TRAFFIC SIGNAL CABINET ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	100.0	100	100.0
UNINTERRUPTABLE POWER SUPPLY	1	50.0	100	50.0

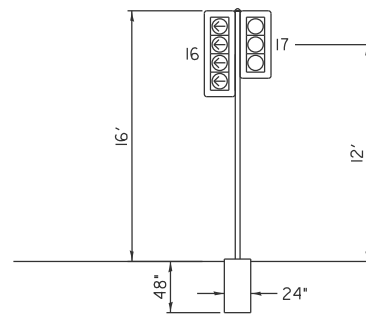
HIGHWAY LIGHTING ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	6.0	100	6.0
LUMINAIRE	4	194.0	45	349.2

TOTAL = 1013.6

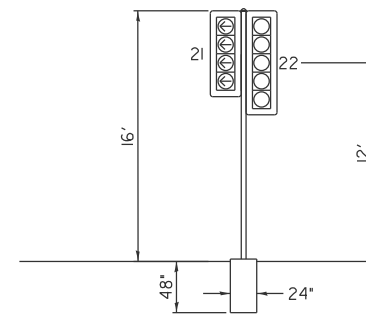
AGENCY RESPONSIBLE FOR CHARGES: KENDALL COUNTY HIGHWAY DEPARTMENT



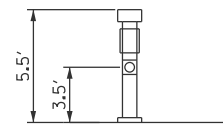
SIGNAL POST NORTHEAST QUADRANT



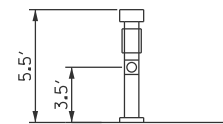
SIGNAL POST SOUTHWEST QUADRANT



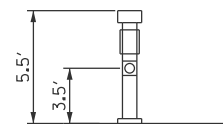
SIGNAL POST NORTHWEST QUADRANT



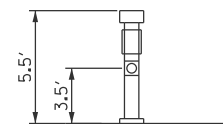
APS-13 - NORTHWEST QUADRANT



APS-14 - NORTHEAST QUADRANT



APS-15 - NORTHEAST QUADRANT

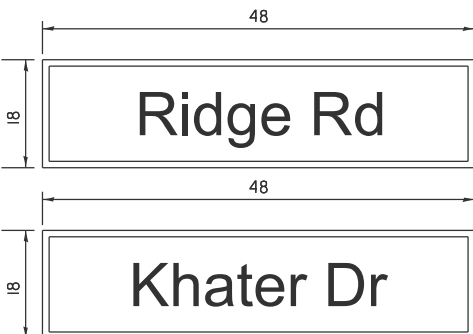


APS-16 - SOUTHEAST QUADRANT

ILLUMINATED MAST ARM MOUNTED STREET NAME SIGN

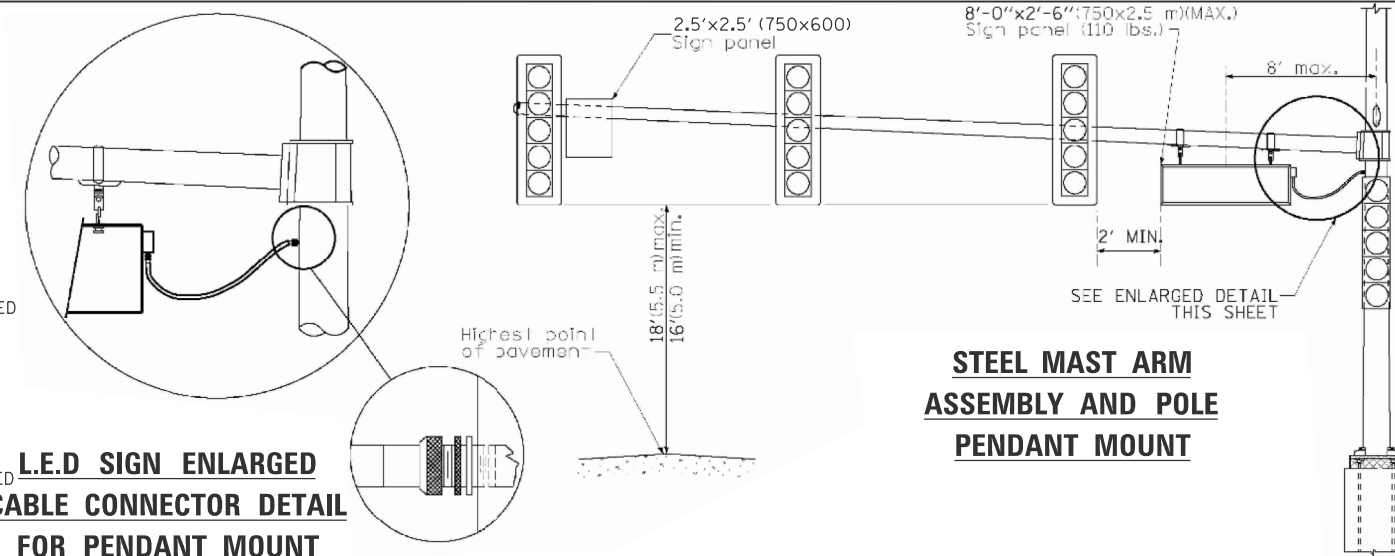
THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

SERIES D LETTERS - 8" UPPER CASE, 6" LOWER CASE



2 REQUIRED

1 REQUIRED



STEEL MAST ARM ASSEMBLY AND POLE PENDANT MOUNT

PEDESTRIAN CROSSING SIGN

COUNT-DOWN PEDESTRIAN SIGN R10-3e TO BE USED.

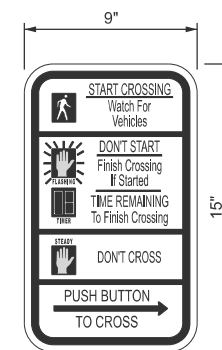
0.94 SQ FT EACH, (4) REQUIRED.

DIMENSIONS: 9" x 15" (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: RETROREFLECTIVE WHITE
UPRAISED HAND SYMBOL,
TIMER: RETROREFLECTIVE ORANGE ON BLACK
PEDESTRIAN SYMBOL: RETROREFLECTIVE WHITE ON BLACK

ONE SIGN SHALL BE PROVIDED FOR EACH ACCESSIBLE PEDESTRIAN SIGNAL. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY ACCESSIBLE PEDESTRIAN SIGNAL LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF ACCESSIBLE PEDESTRIAN SIGNALS.



N.T.S.

MODEL: sht-15-6-khater
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-15-6-khater.dgn



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KENDALL COUNTY
HIGHWAY DEPARTMENT

TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - KHATER DR & RIDGE RD

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	234
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

CH 11 (RIDGE RD) & KHATER DR TRAFFIC SIGNAL SUMMARY OF QUANTITIES			
CODE NO.	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	25
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	648
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	580
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	36
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	47
81028380	UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	19
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	53
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
81400710	HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,049
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,084
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,321
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,690
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,347
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	109
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,222
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
87601200	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	4
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	3
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
88500100	INDUCTIVE LOOP DETECTOR	EACH	9
88500500	INDUCTION LOOP DETECTOR AMPLIFIER	EACH	1
88600100	DETECTOR LOOP, TYPE I	FOOT	373
88600300	DETECTOR LOOP, TYPE III	FOOT	1,001
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	3
X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC)2/C NO. 10 AND NO. 10 GROUND	FOOT	740
X1400381	CABLE (SPECIAL)	FOOT	517
X8212032	LUMINAIRE, TYPE B (SPECIAL)	EACH	4
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	22
X8860100	LOOP DETECTOR TESTING	EACH	1
X8870300	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4

MODEL: sht-11-6-khater
 FILE NAME: Y:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-11-6-khater.dgn



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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/8/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL SUMMARY OF QUANTITIES
CH 11 (RIDGE RD) - KHATER DR & RIDGE RD**

SCALE: N/A SHEET 4 OF 4 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	235
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

LOCATION	LENGTH	TYPE
A	48.0'	S. COMB. MAA. & POLE
B	16.0'	SIGNAL POST
C	48.0'	S. COMB. MAA. & POLE
D	16.0'	SIGNAL POST
E	48.0'	S. COMB. MAA. & POLE
F	16.0'	SIGNAL POST
G	50.0'	S. COMB. MAA. & POLE
H	16.0'	SIGNAL POST

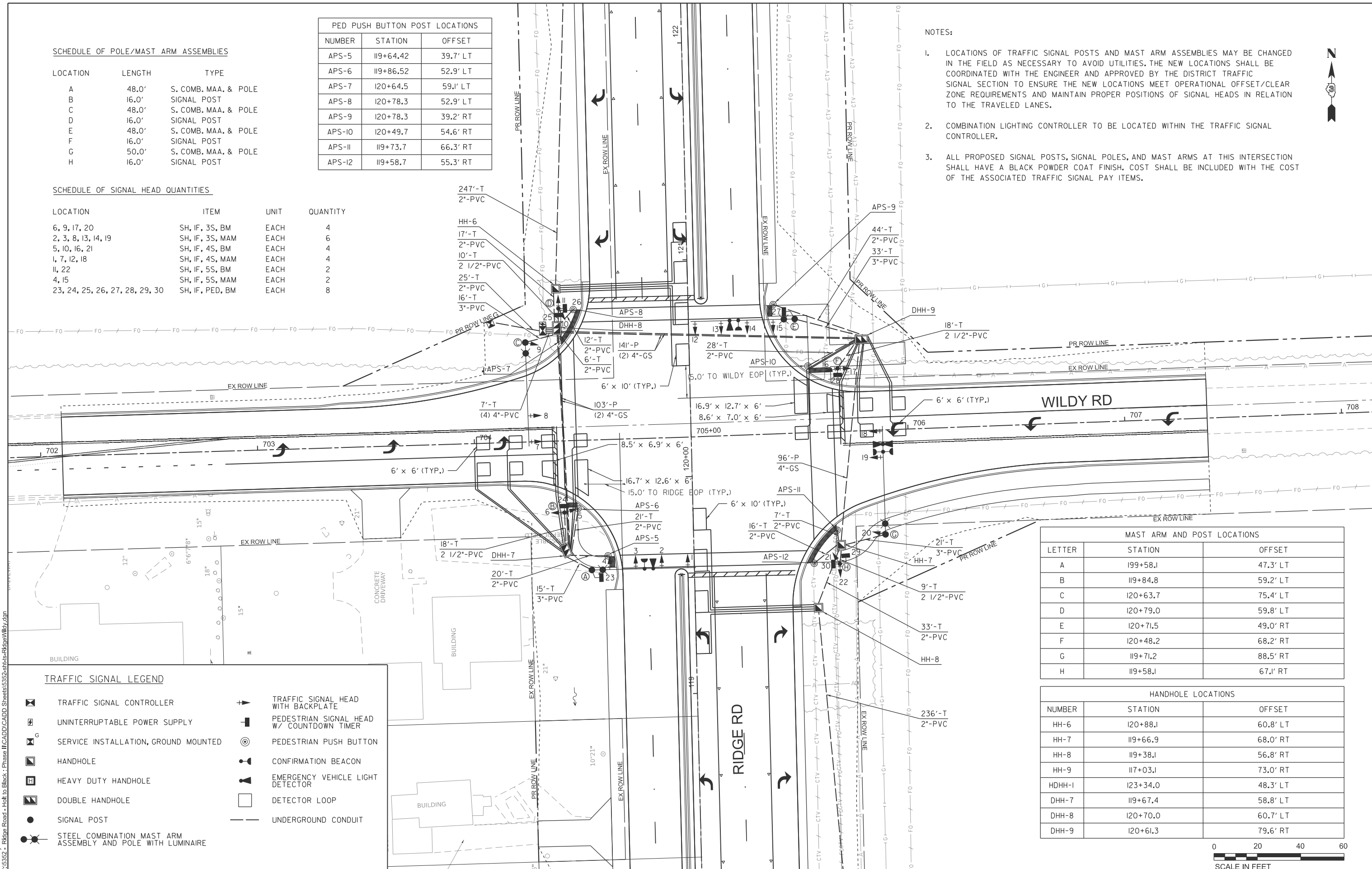
PED PUSH BUTTON POST LOCATIONS		
NUMBER	STATION	OFFSET
APS-5	119+64.42	39.7' LT
APS-6	119+86.52	52.9' LT
APS-7	120+64.5	59.1' LT
APS-8	120+78.3	52.9' LT
APS-9	120+78.3	39.2' RT
APS-10	120+49.7	54.6' RT
APS-11	119+73.7	66.3' RT
APS-12	119+58.7	55.3' RT

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
6, 9, 17, 20	SH, IF, 3S, BM	EACH	4
2, 3, 8, 13, 14, 19	SH, IF, 3S, MAM	EACH	6
5, 10, 16, 21	SH, IF, 4S, BM	EACH	4
1, 7, 12, 18	SH, IF, 4S, MAM	EACH	4
11, 22	SH, IF, 5S, BM	EACH	2
4, 15	SH, IF, 5S, MAM	EACH	2
23, 24, 25, 26, 27, 28, 29, 30	SH, IF, PED, BM	EACH	8

NOTES:

- LOCATIONS OF TRAFFIC SIGNAL POSTS AND MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITIONS OF SIGNAL HEADS IN RELATION TO THE TRAVELED LANES.
- COMBINATION LIGHTING CONTROLLER TO BE LOCATED WITHIN THE TRAFFIC SIGNAL CONTROLLER.
- ALL PROPOSED SIGNAL POSTS, SIGNAL POLES, AND MAST ARMS AT THIS INTERSECTION SHALL HAVE A BLACK POWDER COAT FINISH. COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.

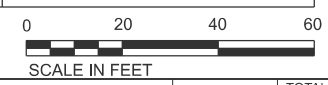


TRAFFIC SIGNAL LEGEND

- | | | | |
|--|---|--|---|
| | TRAFFIC SIGNAL CONTROLLER | | TRAFFIC SIGNAL HEAD WITH BACKPLATE |
| | UNINTERRUPTABLE POWER SUPPLY | | PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER |
| | SERVICE INSTALLATION, GROUND MOUNTED | | PEDESTRIAN PUSH BUTTON |
| | HANDHOLE | | CONFIRMATION BEACON |
| | HEAVY DUTY HANDHOLE | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | DOUBLE HANDHOLE | | DETECTOR LOOP |
| | SIGNAL POST | | UNDERGROUND CONDUIT |
| | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | |

MAST ARM AND POST LOCATIONS		
LETTER	STATION	OFFSET
A	199+58.1	47.3' LT
B	119+84.8	59.2' LT
C	120+63.7	75.4' LT
D	120+79.0	59.8' LT
E	120+71.5	49.0' RT
F	120+48.2	68.2' RT
G	119+71.2	88.5' RT
H	119+58.1	67.1' RT

HANDHOLE LOCATIONS		
NUMBER	STATION	OFFSET
HH-6	120+88.1	60.8' LT
HH-7	119+66.9	68.0' RT
HH-8	119+38.1	56.8' RT
HH-9	117+03.1	73.0' RT
HDHH-1	123+34.0	48.3' LT
DHH-7	119+67.4	58.8' LT
DHH-8	120+70.0	60.7' LT
DHH-9	120+61.3	79.6' RT



MODEL: shts-1-wildy FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-Is-RidgeWildy.dgn



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 DRAWN -
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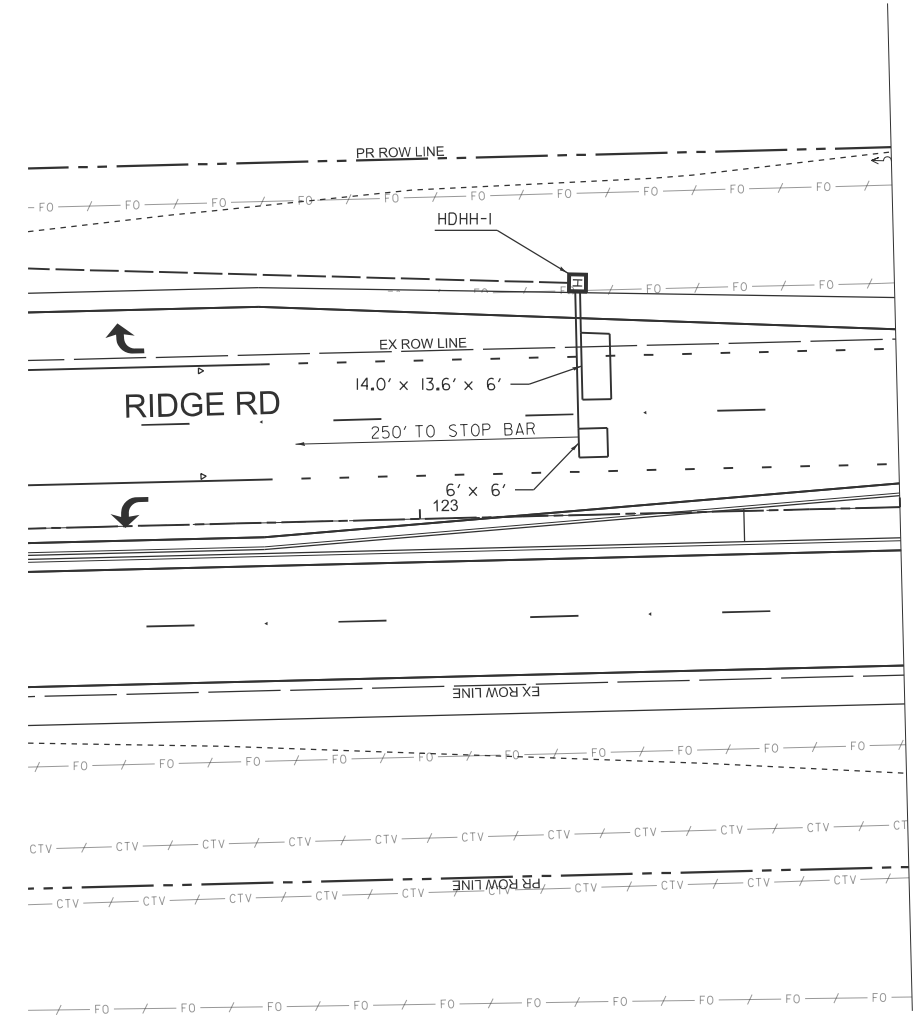
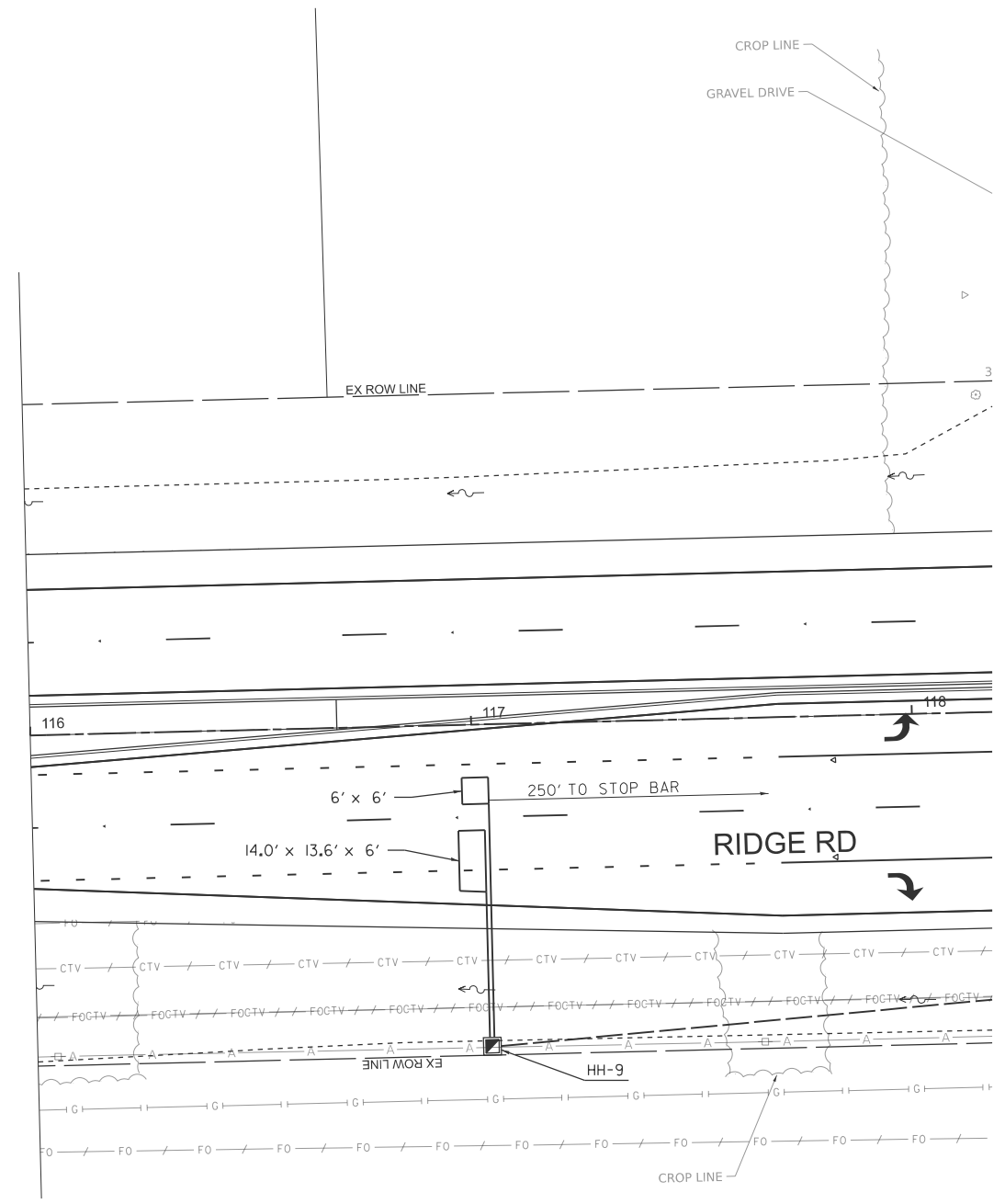
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KENDALL COUNTY HIGHWAY DEPARTMENT

PROPOSED TRAFFIC SIGNALS CH 11 (RIDGE RD) - WILDY RD & RIDGE RD

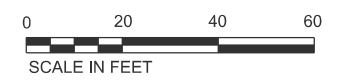
SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	236
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

- | | | | |
|--|---|--|---|
| | TRAFFIC SIGNAL CONTROLLER | | TRAFFIC SIGNAL HEAD WITH BACKPLATE |
| | UNINTERRUPTABLE POWER SUPPLY | | PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER |
| | SERVICE INSTALLATION, GROUND MOUNTED | | PEDESTRIAN PUSH BUTTON |
| | HANDHOLE | | CONFIRMATION BEACON |
| | HEAVY DUTY HANDHOLE | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | DOUBLE HANDHOLE | | DETECTOR LOOP |
| | SIGNAL POST | | UNDERGROUND CONDUIT |
| | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | |



MODEL: sht-s2-willy
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-s2-willy.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2026	CHECKED -	REVISED -
	DATE -	REVISED -

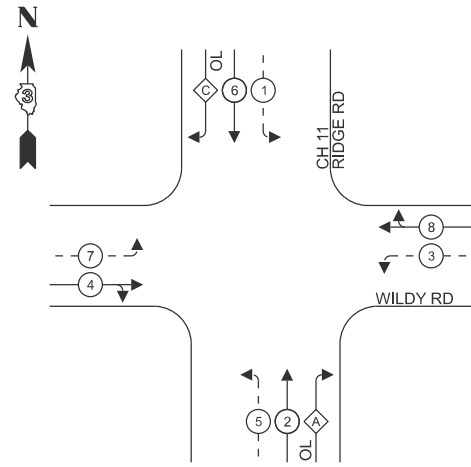
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TRAFFIC SIGNALS
CH 11 (RIDGE RD) - WILDY RD & RIDGE RD**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	237
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM



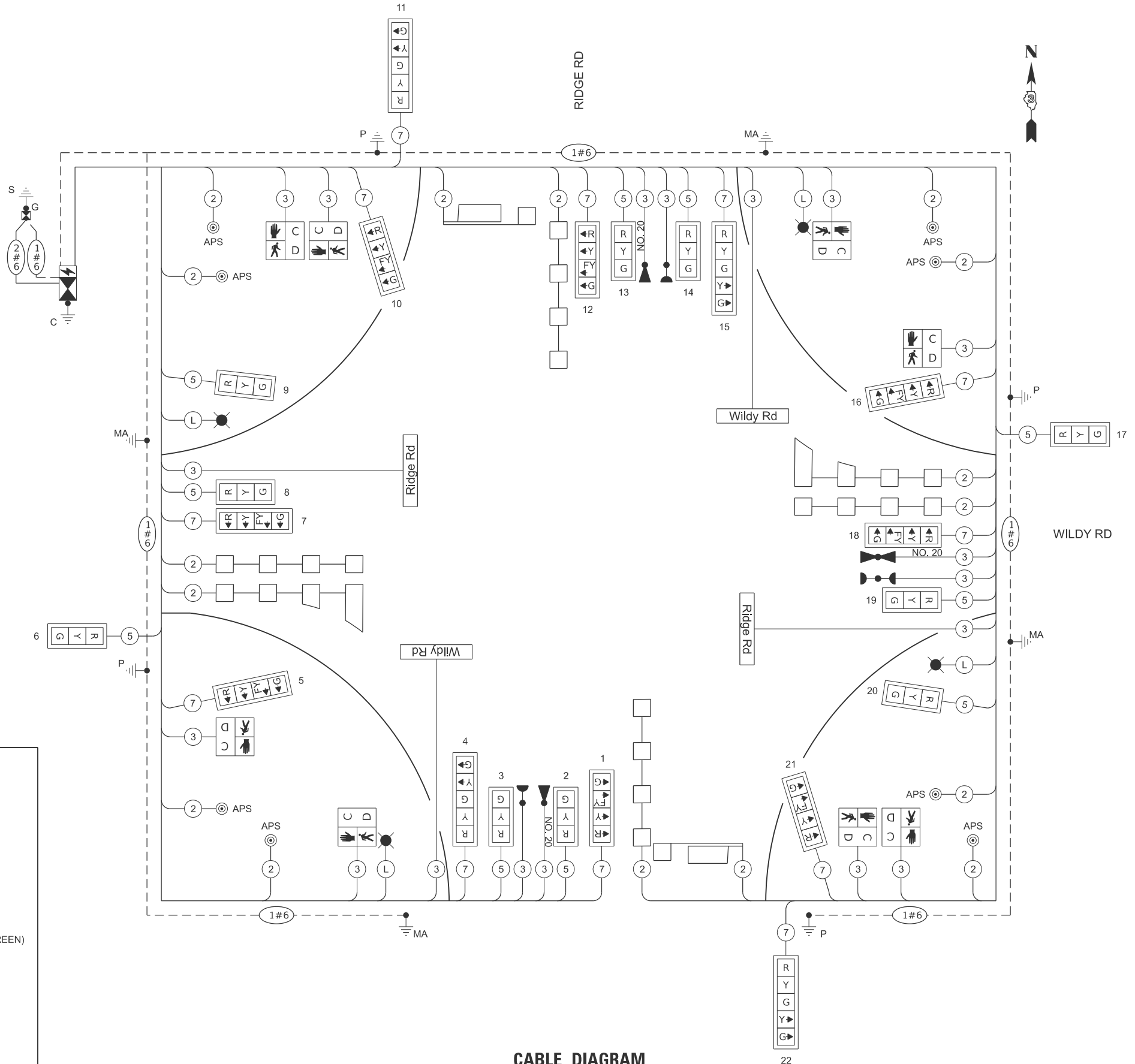
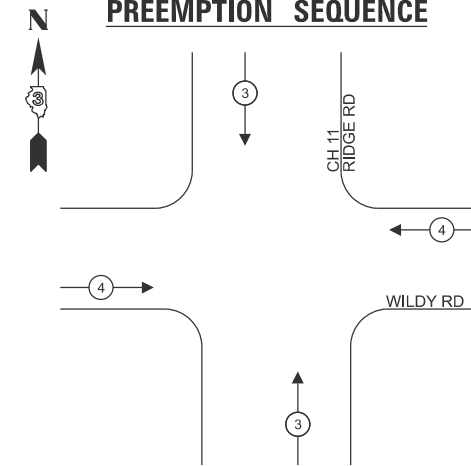
LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PROTECTED PHASE
A	2+3
C	6+7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE DIAGRAM
NOT TO SCALE

CABLE DIAGRAM LEGEND

- ⊙ — TRAFFIC SIGNAL CONTROLLER
- ⊙ — UNINTERRUPTIBLE POWER SUPPLY
- ⊙ — SERVICE INSTALLATION, GROUND MOUNTED
- ⊙ — TRAFFIC SIGNAL HEAD WITH BACKPLATE
- ⊙ — PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER
- ⊙ — PEDESTRIAN PUSH BUTTON
- ⊙ — DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- ⊙ — DETECTOR LOOP
- ⊙ — LUMINAIRE, TYPE B (SPECIAL)
- ⊙ — CONFIRMATION BEACON
- ⊙ — EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ — GROUND CABLE ROD AT CONTROLLER (C)
- ⊙ — GROUND ROD AT POST (P) OR MAST ARM (MA)
- ⊙ — GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- ⊙ — GROUND CABLE
GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)
- ⊙ — SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- ⊙ — LIGHTING CABLE
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C, NO. 10

MODEL: sht-s3-wildy FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-s3-RidgeWildy.dgn



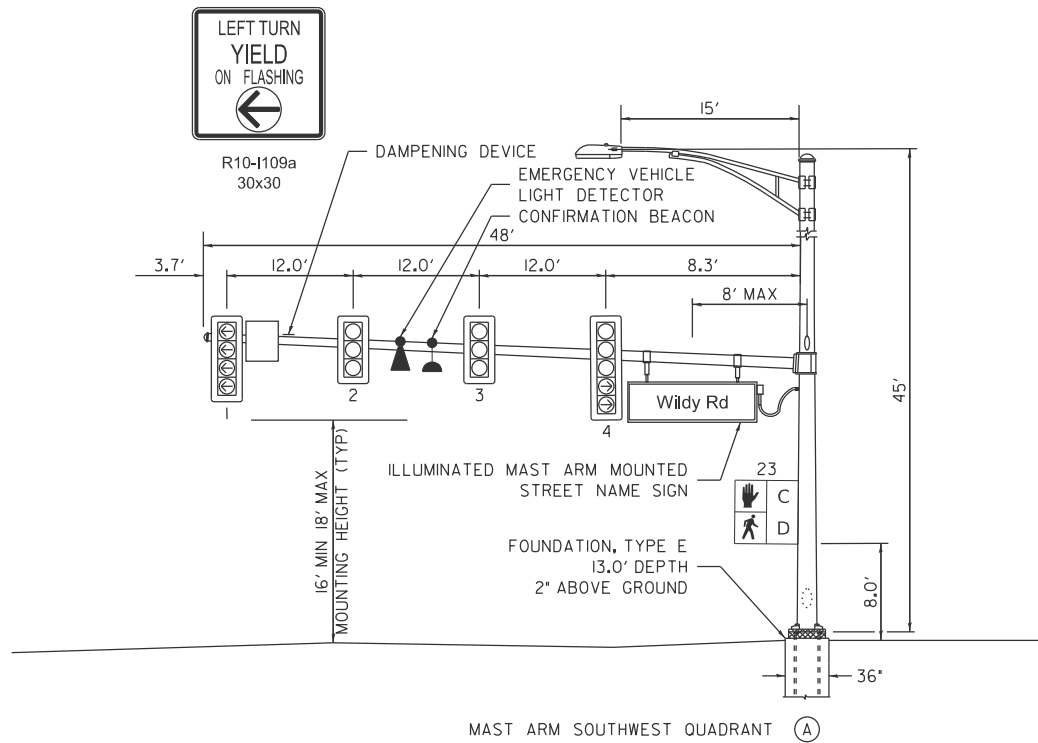
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	DRAWN -	REVISED -
PLOT SCALE = \$\$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

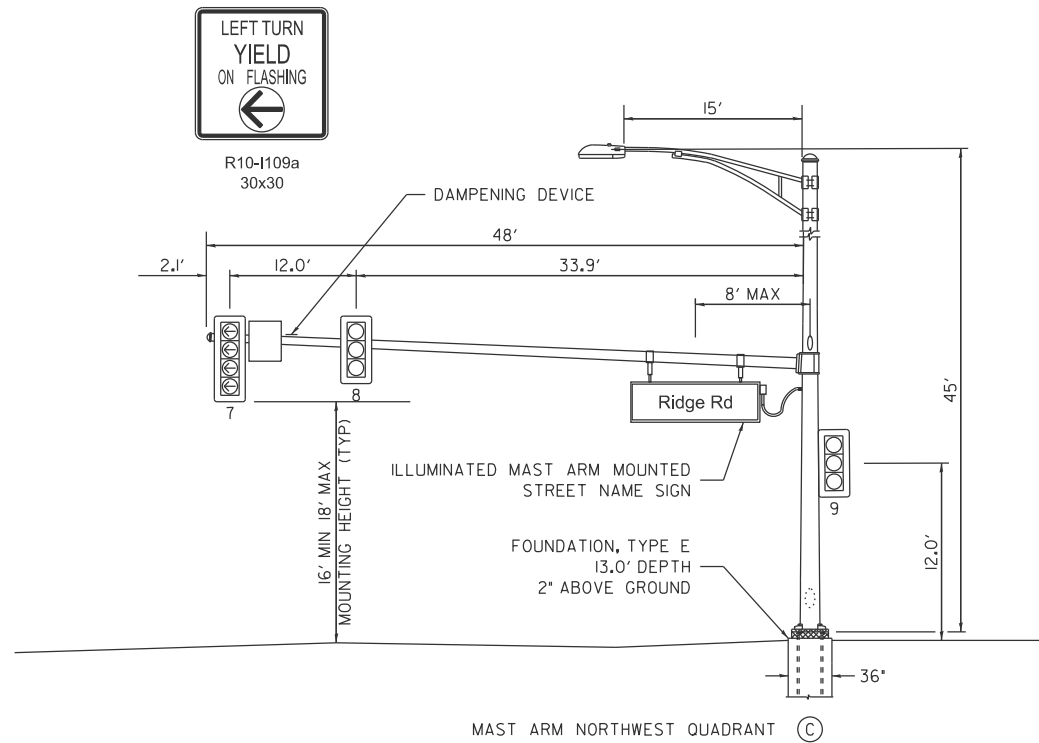
**TRAFFIC SIGNAL CABLE DIAGRAM
CH 11 (RIDGE RD) - WILDY RD & RIDGE RD**

SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

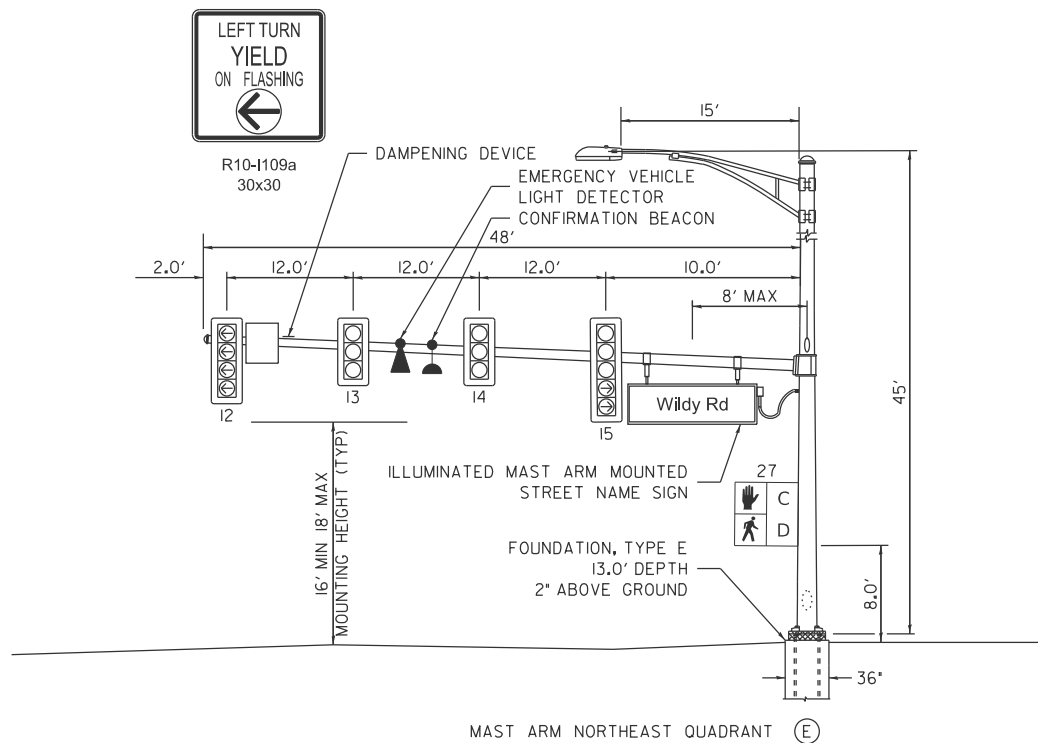
RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	238
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



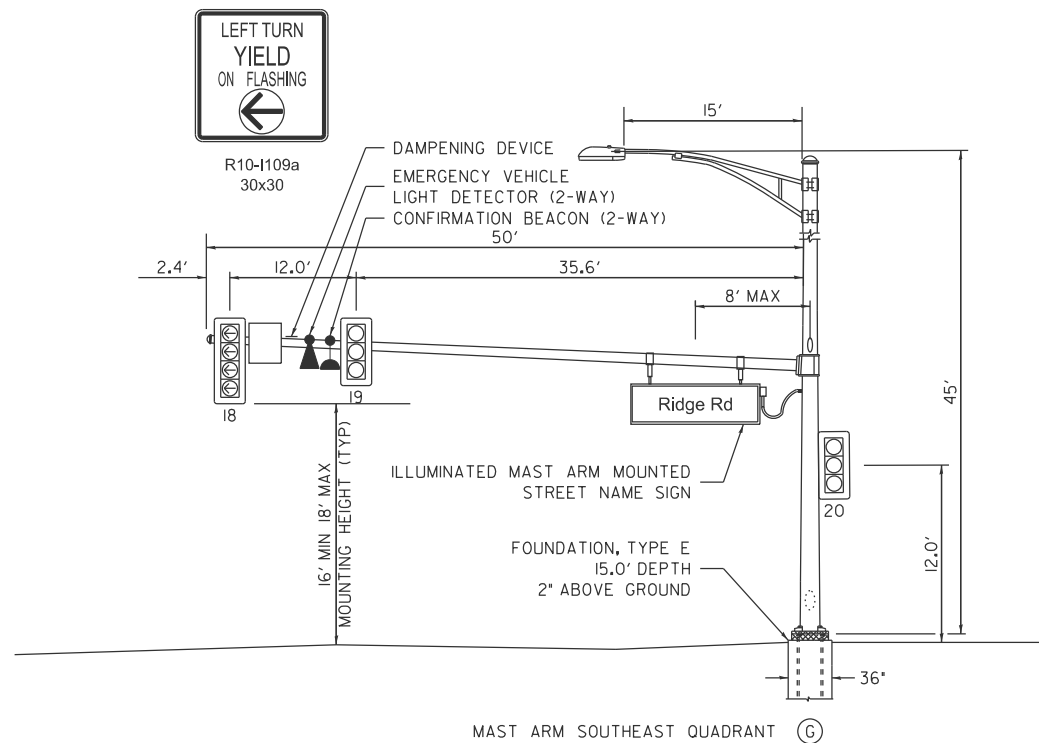
MAST ARM SOUTHWEST QUADRANT (A)



MAST ARM NORTHWEST QUADRANT (C)

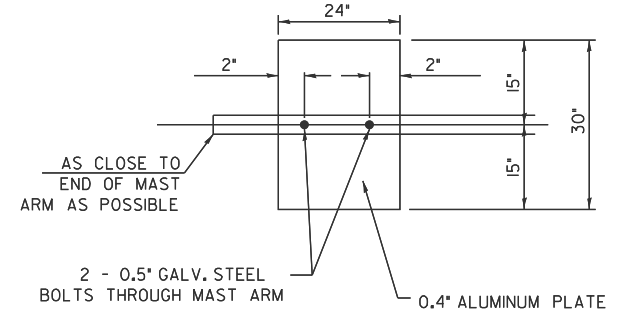


MAST ARM NORTHEAST QUADRANT (E)



MAST ARM SOUTHEAST QUADRANT (G)

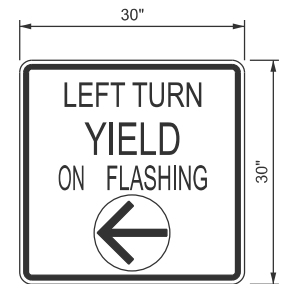
NOTE:
DAMPENING DEVICE SHALL CONSIST OF A 24" x 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



DAMPENING PLATE DETAIL
(TOP VIEW) INCLUDED IN COST OF MAST ARM

NOTES:

1. ALL TRAFFIC SIGNAL HEADS SHALL HAVE POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLOURESCENT YELLOW SHEETING.
2. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 INCHES ABOVE THE SURROUNDING GRADE LINE IN ACCORDANCE WITH HIGHWAY STANDARD 878001.
3. TOP OF FOUNDATION SHOULD BE 2 INCHES ABOVE TOP OF CURB (OR GROUND WHERE CURB IS NOT PRESENT) OR ONE INCH ABOVE CENTERLINE OF THE ROADWAY, WHICHEVER IS HIGHER.
4. THE ENERGY CHARGES ARE THE RESPONSIBILITY OF KENDALL COUNTY AND THE BILL SHOULD BE SET UP UNDER THEIR NAME.



N.T.S.
R10-1109a
TYPE AP SHEETING REQUIRED
6.25 SQ FT EACH (4) REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN LANE SIGNAL HEAD.

MODEL: sht-s4-wildy
FILE NAME: V:\5552 - Ridge Road - Holl to Black - Phase II\CADD\CADD Sheets\5552-sht-s4-RidgeWildy.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 2/6/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - WILDY RD & RIDGE RD**

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	239
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

C.H. 11 (RIDGE ROAD) AT WILDY ROAD
ELECTRICAL LOAD CHART

RIDGE RD INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	8	12.0	50	48.0
YELLOW	8	32.0	10	25.6
GREEN	8	12.0	40	38.4
RED ARROW	4	12.0	40	19.2
YELLOW ARROW	8	12.0	10	9.6
GREEN ARROW	8	11.0	10	8.8
FLASHING YELLOW ARROW	4	12.0	40	19.2
STREET NAME SIGN	2	120.0	50	120.0
PED SIGNAL - WALK	4	7.0	5	1.4
PED SIGNAL - DON'T WALK	4	7.0	95	26.6

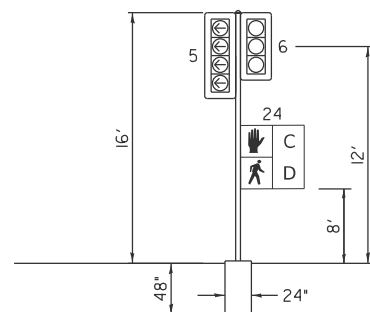
WILDY ROAD INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	6	12.0	60	43.2
YELLOW	6	32.0	10	19.2
GREEN	6	12.0	30	21.6
RED ARROW	4	12.0	40	19.2
YELLOW ARROW	4	12.0	10	4.8
GREEN ARROW	4	11.0	10	4.4
FLASHING YELLOW ARROW	4	12.0	40	19.2
STREET NAME SIGN	2	120.0	50	120.0
PED SIGNAL - WALK	4	7.0	5	1.4
PED SIGNAL - DON'T WALK	4	7.0	95	26.6

TRAFFIC SIGNAL CABINET ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	100.0	100	100.0
UNINTERRUPTABLE POWER SUPPLY	1	50.0	100	50.0

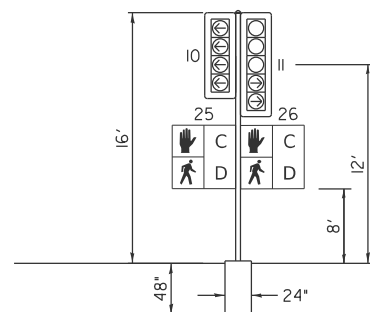
HIGHWAY LIGHTING ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	6.0	100	6.0
LUMINAIRE	4	194.0	45	349.2

TOTAL = 1101.6

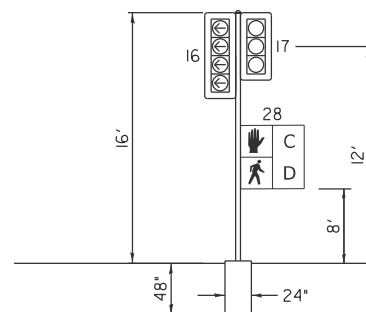
AGENCY RESPONSIBLE FOR CHARGES: KENDALL COUNTY HIGHWAY DEPARTMENT



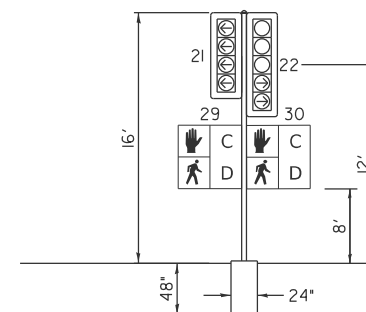
SIGNAL POST SOUTHWEST QUADRANT



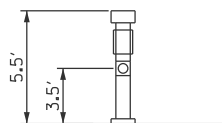
SIGNAL POST NORTHWEST QUADRANT



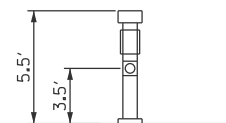
SIGNAL POST NORTHEAST QUADRANT



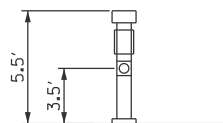
SIGNAL POST SOUTHEAST QUADRANT



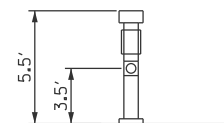
APS-5 - SOUTHWEST QUADRANT



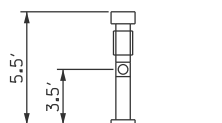
APS-6 - SOUTHWEST QUADRANT



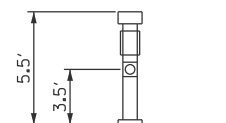
APS-7 - NORTHWEST QUADRANT



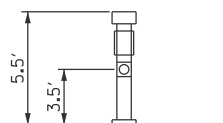
APS-8 - NORTHWEST QUADRANT



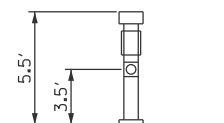
APS-9 - NORTHEAST QUADRANT



APS-10 - NORTHEAST QUADRANT



APS-11 - SOUTHEAST QUADRANT



APS-12 - SOUTHEAST QUADRANT

PEDESTRIAN CROSSING SIGN

COUNT-DOWN PEDESTRIAN SIGN R10-3e TO BE USED.

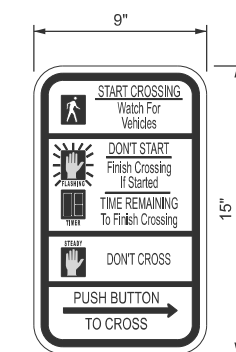
0.94 SQ FT EACH, (8) REQUIRED.

DIMENSIONS: 9" x 15" (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: RETROREFLECTIVE WHITE
UPRAISED HAND SYMBOL,
TIMER: RETROREFLECTIVE ORANGE ON BLACK
PEDESTRIAN SYMBOL: RETROREFLECTIVE WHITE ON BLACK

ONE SIGN SHALL BE PROVIDED FOR EACH ACCESSIBLE PEDESTRIAN SIGNAL. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY ACCESSIBLE PEDESTRIAN SIGNAL LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF ACCESSIBLE PEDESTRIAN SIGNALS.

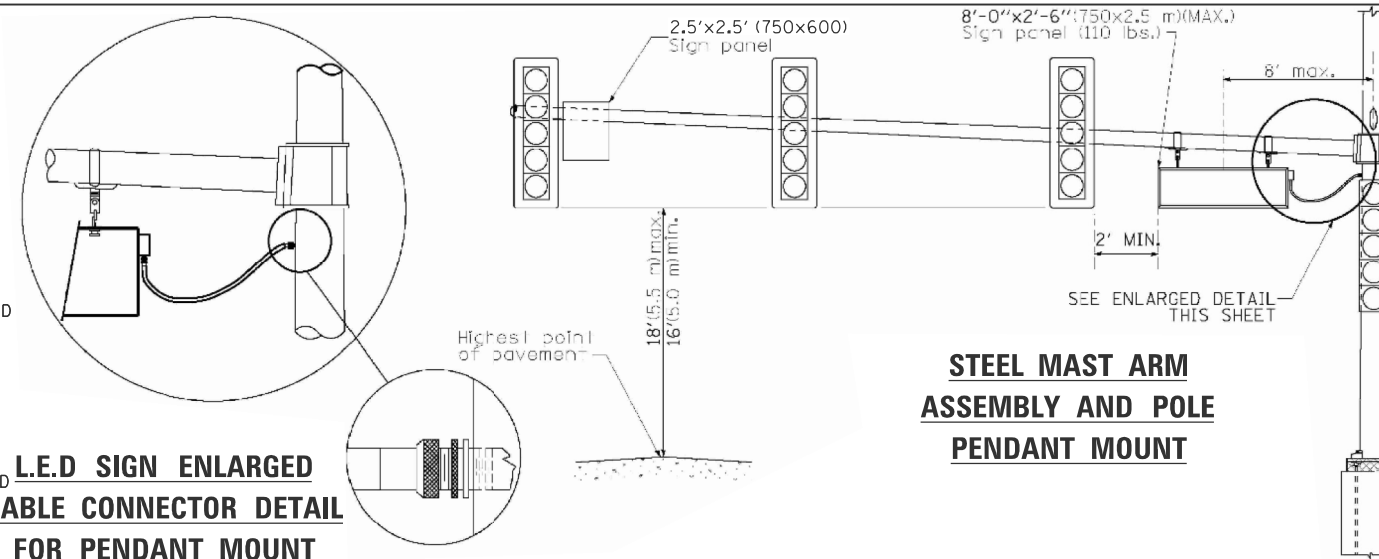
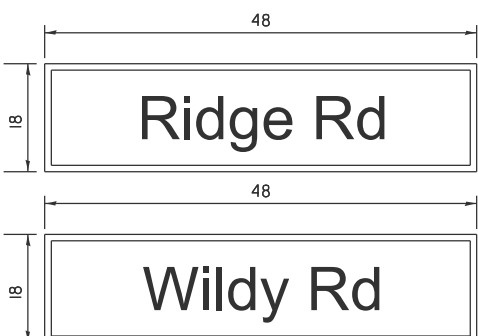


N.T.S.

ILLUMINATED MAST ARM MOUNTED STREET NAME SIGN

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

SERIES D LETTERS - 8" UPPER CASE, 6" LOWER CASE



STEEL MAST ARM ASSEMBLY AND POLE PENDANT MOUNT

L.E.D SIGN ENLARGED CABLE CONNECTOR DETAIL FOR PENDANT MOUNT

MODEL: sht-s-5-wildy
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-s-RidgeWildy.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2026	CHECKED -	REVISED -
	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - WILDY RD & RIDGE RD

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	240
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

MODEL: sht-s-6-willy
 FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-s-RidgeWilly.dgn

CH 11 (RIDGE RD) & WILDY RD TRAFFIC SIGNAL SUMMARY OF QUANTITIES			
CODE NO.	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	25
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	584
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	712
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	55
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	85
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	28
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4
81400710	HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,478
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,502
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,178
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,545
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,874
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	115
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,320
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87601200	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	8
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	3
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
88500100	INDUCTIVE LOOP DETECTOR	EACH	10
88500500	INDUCTION LOOP DETECTOR AMPLIFIER	EACH	1
88600100	DETECTOR LOOP, TYPE I	FOOT	283
88600300	DETECTOR LOOP, TYPE III	FOOT	1,296
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC)2/C NO. 10 AND NO. 10 GROUND	FOOT	723
X1400381	CABLE (SPECIAL)	FOOT	843
X8212032	LUMINAIRE, TYPE B (SPECIAL)	EACH	4
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	22
X8860100	LOOP DETECTOR TESTING	EACH	1
X8870300	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4



USER NAME = BWedemder	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$CALE\$	CHECKED -	REVISED -
PLOT DATE = 2/8/2026	DATE -	REVISED -

**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

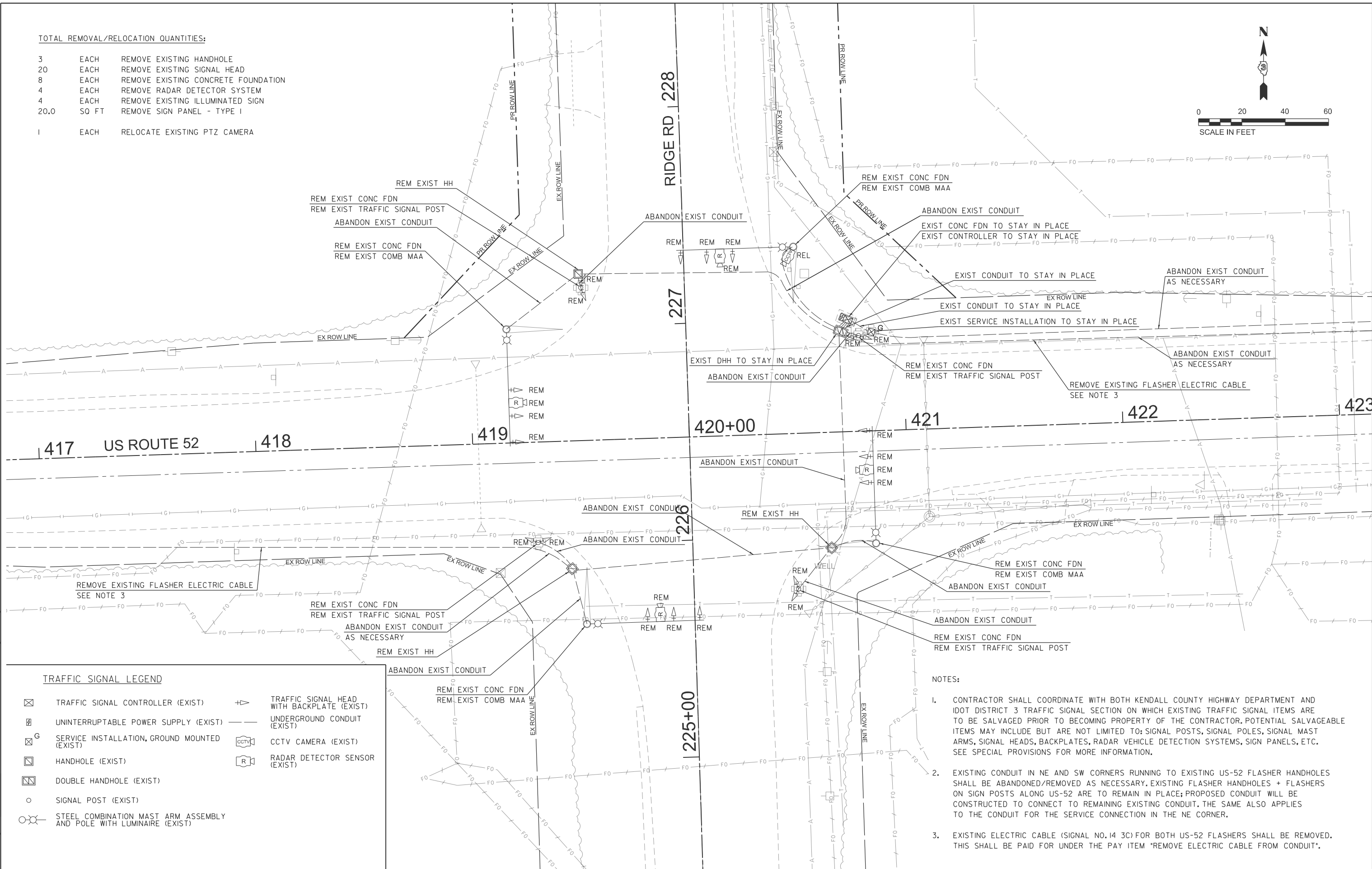
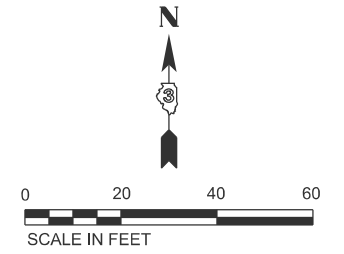
**TRAFFIC SIGNAL SUMMARY OF QUANTITIES
 CH 11 (RIDGE RD) - WILDY RD & RIDGE RD**

SCALE: N/A SHEET 4 OF 4 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	241
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TOTAL REMOVAL/RELOCATION QUANTITIES:

3	EACH	REMOVE EXISTING HANDHOLE
20	EACH	REMOVE EXISTING SIGNAL HEAD
8	EACH	REMOVE EXISTING CONCRETE FOUNDATION
4	EACH	REMOVE RADAR DETECTOR SYSTEM
4	EACH	REMOVE EXISTING ILLUMINATED SIGN
20.0	SQ FT	REMOVE SIGN PANEL - TYPE I
1	EACH	RELOCATE EXISTING PTZ CAMERA



TRAFFIC SIGNAL LEGEND

	TRAFFIC SIGNAL CONTROLLER (EXIST)		TRAFFIC SIGNAL HEAD WITH BACKPLATE (EXIST)
	UNINTERRUPTABLE POWER SUPPLY (EXIST)		UNDERGROUND CONDUIT (EXIST)
	SERVICE INSTALLATION, GROUND MOUNTED (EXIST)		CCTV CAMERA (EXIST)
	HANDHOLE (EXIST)		RADAR DETECTOR SENSOR (EXIST)
	DOUBLE HANDHOLE (EXIST)		
	SIGNAL POST (EXIST)		
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE (EXIST)		

NOTES:

- CONTRACTOR SHALL COORDINATE WITH BOTH KENDALL COUNTY HIGHWAY DEPARTMENT AND IDOT DISTRICT 3 TRAFFIC SIGNAL SECTION ON WHICH EXISTING TRAFFIC SIGNAL ITEMS ARE TO BE SALVAGED PRIOR TO BECOMING PROPERTY OF THE CONTRACTOR. POTENTIAL SALVAGEABLE ITEMS MAY INCLUDE BUT ARE NOT LIMITED TO: SIGNAL POSTS, SIGNAL POLES, SIGNAL MAST ARMS, SIGNAL HEADS, BACKPLATES, RADAR VEHICLE DETECTION SYSTEMS, SIGN PANELS, ETC. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.
- EXISTING CONDUIT IN NE AND SW CORNERS RUNNING TO EXISTING US-52 FLASHER HANDHOLES SHALL BE ABANDONED/REMOVED AS NECESSARY. EXISTING FLASHER HANDHOLES + FLASHERS ON SIGN POSTS ALONG US-52 ARE TO REMAIN IN PLACE; PROPOSED CONDUIT WILL BE CONSTRUCTED TO CONNECT TO REMAINING EXISTING CONDUIT. THE SAME ALSO APPLIES TO THE CONDUIT FOR THE SERVICE CONNECTION IN THE NE CORNER.
- EXISTING ELECTRIC CABLE (SIGNAL NO. 14 3C) FOR BOTH US-52 FLASHERS SHALL BE REMOVED. THIS SHALL BE PAID FOR UNDER THE PAY ITEM 'REMOVE ELECTRIC CABLE FROM CONDUIT'.

MODEL: shts-rem-1-r162
FILE NAME: V:\5552 - Ridge Road - Holl to Black - Phase II\CADD\CADD Sheets\5552-sht-1s-Ridge52-rem.dgn



USER NAME = BWedemder	DESIGNED -	REVISED -
PLOT SCALE = \$\$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	242
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF REMOVALS

LOCATION	ITEM	UNIT	QUANTITY
EXISTING NW S. COMB. MAA. & POLE	S. COMB. MAA. & POLE CONC FDN	EACH	1
EXISTING NW S. COMB. MAA. & POLE	RADAR DETECTION SENSOR	EACH	1
EXISTING NW S. COMB. MAA. & POLE	LEFT TURN YIELD ON GREEN SIGN PANEL	SO FT	5.0
EXISTING NW S. COMB. MAA. & POLE	SH, IF, 3S, MAM	EACH	1
EXISTING NW S. COMB. MAA. & POLE	SH, IF, 5S, MAM	EACH	2
EXISTING NW S. COMB. MAA. & POLE	LED INT. ILL. STREET NAME SIGN	EACH	1
EXISTING NW TRAFFIC SIGNAL POST	TRAFFIC SIGNAL POST CONC FDN	EACH	1
EXISTING NW TRAFFIC SIGNAL POST	SH, IF, 5S, BM	EACH	2
EXISTING NW HANDHOLE	HANDHOLE	EACH	1
EXISTING NE S. COMB. MAA. & POLE	S. COMB. MAA. & POLE CONC FDN	EACH	1
EXISTING NE S. COMB. MAA. & POLE	RADAR DETECTION SENSOR	EACH	1
EXISTING NE S. COMB. MAA. & POLE	LEFT TURN YIELD ON GREEN SIGN PANEL	SO FT	5.0
EXISTING NE S. COMB. MAA. & POLE	SH, IF, 3S, MAM	EACH	1
EXISTING NE S. COMB. MAA. & POLE	SH, IF, 5S, MAM	EACH	2
EXISTING NE S. COMB. MAA. & POLE	LED INT. ILL. STREET NAME SIGN	EACH	1
EXISTING NE TRAFFIC SIGNAL POST	TRAFFIC SIGNAL POST CONC FDN	EACH	1
EXISTING NE TRAFFIC SIGNAL POST	SH, IF, 5S, BM	EACH	2
EXISTING SE S. COMB. MAA. & POLE	S. COMB. MAA. & POLE CONC FDN	EACH	1
EXISTING SE S. COMB. MAA. & POLE	RADAR DETECTION SENSOR	EACH	1
EXISTING SE S. COMB. MAA. & POLE	LEFT TURN YIELD ON GREEN SIGN PANEL	SO FT	5.0
EXISTING SE S. COMB. MAA. & POLE	SH, IF, 3S, MAM	EACH	1
EXISTING SE S. COMB. MAA. & POLE	SH, IF, 5S, MAM	EACH	2
EXISTING SE S. COMB. MAA. & POLE	LED INT. ILL. STREET NAME SIGN	EACH	1
EXISTING SE HANDHOLE	HANDHOLE	EACH	1
EXISTING SE TRAFFIC SIGNAL POST	TRAFFIC SIGNAL POST CONC FDN	EACH	1
EXISTING SE TRAFFIC SIGNAL POST	SH, IF, 5S, BM	EACH	2
EXISTING SW S. COMB. MAA. & POLE	S. COMB. MAA. & POLE CONC FDN	EACH	1
EXISTING SW S. COMB. MAA. & POLE	RADAR DETECTION SENSOR	EACH	1
EXISTING SW S. COMB. MAA. & POLE	LEFT TURN YIELD ON GREEN SIGN PANEL	SO FT	5.0
EXISTING SW S. COMB. MAA. & POLE	SH, IF, 3S, MAM	EACH	1
EXISTING SW S. COMB. MAA. & POLE	SH, IF, 5S, MAM	EACH	2
EXISTING SW S. COMB. MAA. & POLE	LED INT. ILL. STREET NAME SIGN	EACH	1
EXISTING SW HANDHOLE	HANDHOLE	EACH	1
EXISTING SW TRAFFIC SIGNAL POST	TRAFFIC SIGNAL POST CONC FDN	EACH	1
EXISTING SW TRAFFIC SIGNAL POST	SH, IF, 5S, BM	EACH	2

SCHEDULE OF RELOCATIONS

EXISTING LOCATION	ITEM	UNIT	QUANTITY	NEW LOCATION
EXISTING NE S. COMB. MAA. & POLE	PTZ CAMERA	EACH	1	PROPOSED NE S. COMB. MAA. & POLE (C)

MODEL: shtsrem-2-162
 FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-shts-Ridge52-rem.dgn



USER NAME = BWedemeler	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

SCALE: N/A		SHEET 2 OF 2 SHEETS		STA.	TO STA.
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CH11	22-00168-00-RP	KENDALL	367	243	
CONTRACT NO. 87899					
ILLINOIS FED. AID PROJECT					

**EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL
 CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

LOCATION	LENGTH	TYPE
A	54.0'	S. COMB. MAA. & POLE
B	16.0'	SIGNAL POST
C	54.0'	S. COMB. MAA. & POLE
D	16.0'	SIGNAL POST
E	54.0'	S. COMB. MAA. & POLE
F	16.0'	SIGNAL POST
G	54.0'	S. COMB. MAA. & POLE
H	16.0'	SIGNAL POST

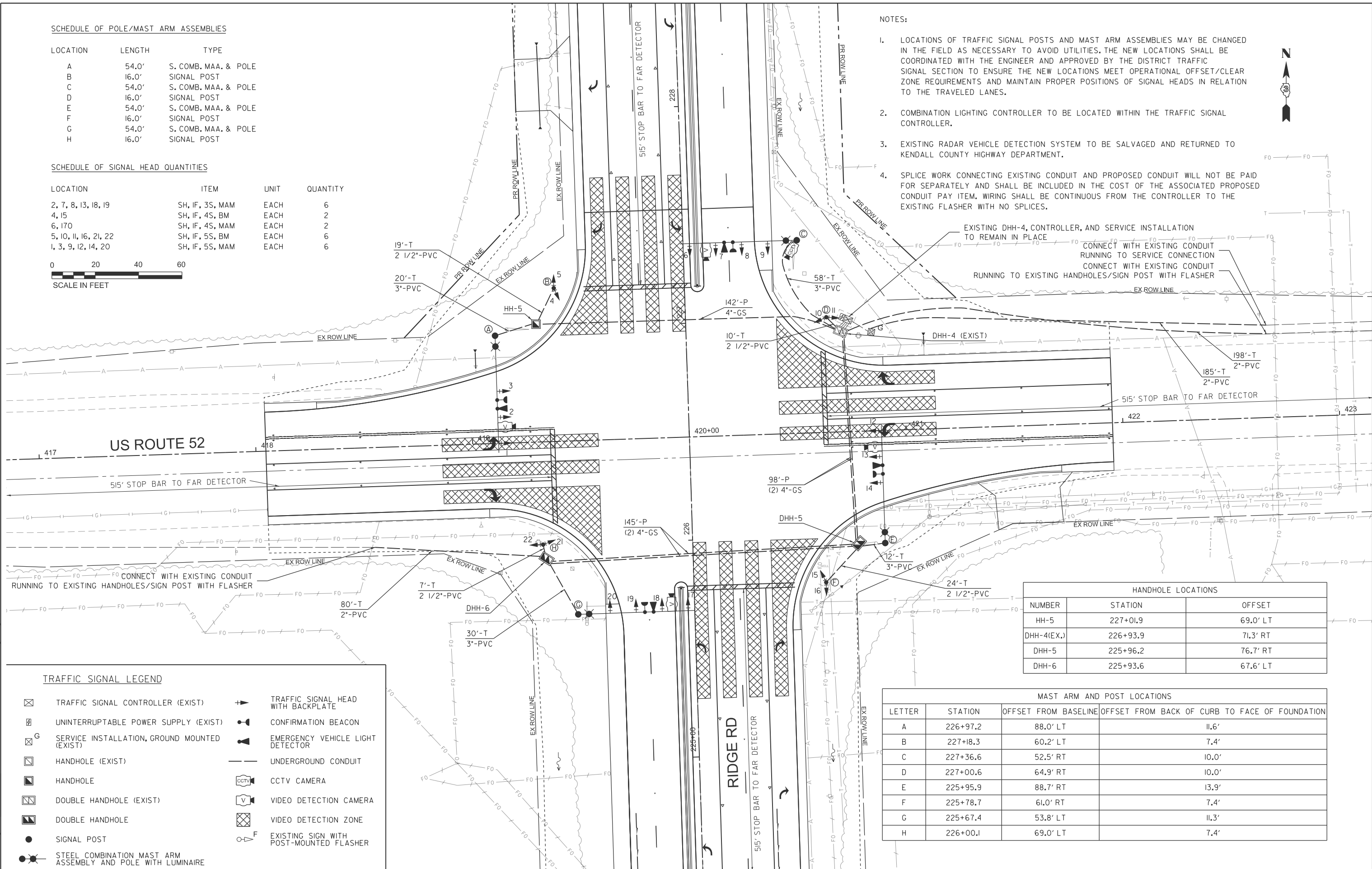
SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
2, 7, 8, 13, 18, 19	SH, IF, 3S, MAM	EACH	6
4, 15	SH, IF, 4S, BM	EACH	2
6, 170	SH, IF, 4S, MAM	EACH	2
5, 10, 11, 16, 21, 22	SH, IF, 5S, BM	EACH	6
1, 3, 9, 12, 14, 20	SH, IF, 5S, MAM	EACH	6



NOTES:

- LOCATIONS OF TRAFFIC SIGNAL POSTS AND MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITIONS OF SIGNAL HEADS IN RELATION TO THE TRAVELED LANES.
- COMBINATION LIGHTING CONTROLLER TO BE LOCATED WITHIN THE TRAFFIC SIGNAL CONTROLLER.
- EXISTING RADAR VEHICLE DETECTION SYSTEM TO BE SALVAGED AND RETURNED TO KENDALL COUNTY HIGHWAY DEPARTMENT.
- SPLICE WORK CONNECTING EXISTING CONDUIT AND PROPOSED CONDUIT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PROPOSED CONDUIT PAY ITEM. WIRING SHALL BE CONTINUOUS FROM THE CONTROLLER TO THE EXISTING FLASHER WITH NO SPLICES.



HANDHOLE LOCATIONS		
NUMBER	STATION	OFFSET
HH-5	227+01.9	69.0' LT
DHH-4(EX.)	226+93.9	71.3' RT
DHH-5	225+96.2	76.7' RT
DHH-6	225+93.6	67.6' LT

MAST ARM AND POST LOCATIONS			
LETTER	STATION	OFFSET FROM BASELINE	OFFSET FROM BACK OF CURB TO FACE OF FOUNDATION
A	226+97.2	88.0' LT	11.6'
B	227+18.3	60.2' LT	7.4'
C	227+36.6	52.5' RT	10.0'
D	227+00.6	64.9' RT	10.0'
E	225+95.9	88.7' RT	13.9'
F	225+78.7	61.0' RT	7.4'
G	225+67.4	53.8' LT	11.3'
H	226+00.1	69.0' LT	7.4'

TRAFFIC SIGNAL LEGEND

- TRAFFIC SIGNAL CONTROLLER (EXIST)
- UNINTERRUPTABLE POWER SUPPLY (EXIST)
- SERVICE INSTALLATION, GROUND MOUNTED (EXIST)
- HANDHOLE (EXIST)
- HANDHOLE
- DOUBLE HANDHOLE (EXIST)
- DOUBLE HANDHOLE
- SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- CONFIRMATION BEACON
- EMERGENCY VEHICLE LIGHT DETECTOR
- UNDERGROUND CONDUIT
- CCTV CAMERA
- VIDEO DETECTION CAMERA
- VIDEO DETECTION ZONE
- EXISTING SIGN WITH POST-MOUNTED FLASHER

MODEL: shts-1462 FILE NAME: V:5552 - Ridge Road - Holt to Black - Phase II/CADD/CADD Sheets/552-sht-14-Ridge52.dgn



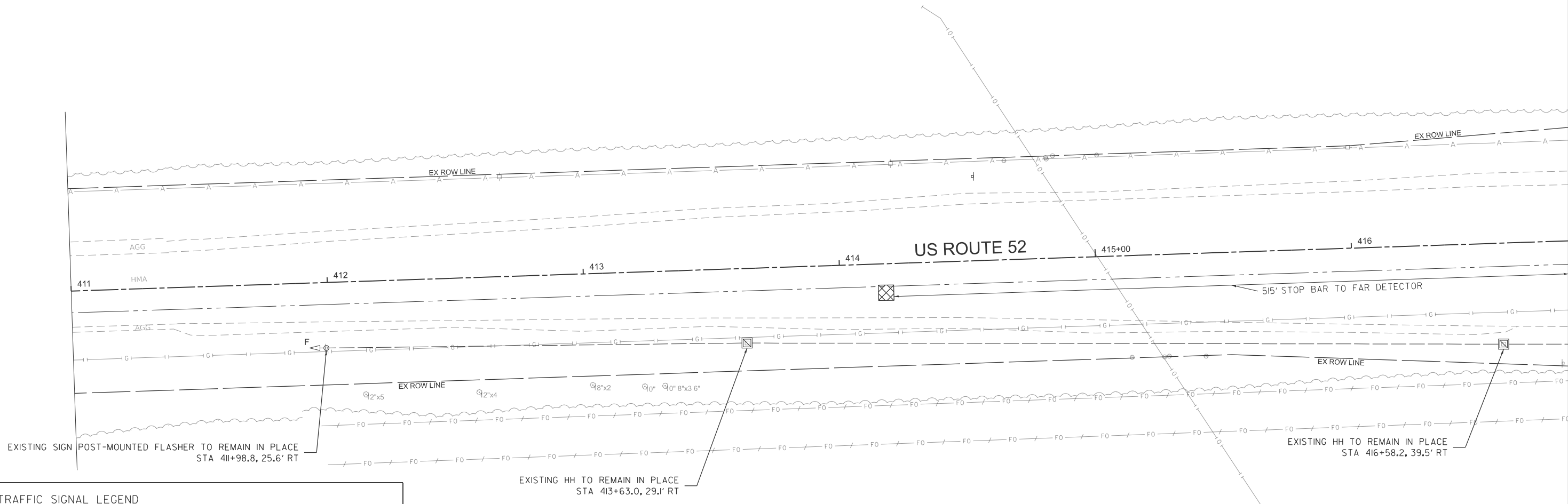
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PLOT SCALE = \$\$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/9/2026	CHECKED -	REVISED -
	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

PROPOSED TRAFFIC SIGNALS
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD

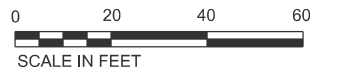
SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RTE. NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 244
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

- | | | | |
|--|---|--|---|
| | TRAFFIC SIGNAL CONTROLLER (EXIST) | | TRAFFIC SIGNAL HEAD WITH BACKPLATE |
| | UNINTERRUPTABLE POWER SUPPLY (EXIST) | | CONFIRMATION BEACON |
| | SERVICE INSTALLATION, GROUND MOUNTED (EXIST) | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | HANDHOLE (EXIST) | | UNDERGROUND CONDUIT |
| | HANDHOLE | | CCTV CAMERA |
| | DOUBLE HANDHOLE (EXIST) | | VIDEO DETECTION CAMERA |
| | DOUBLE HANDHOLE | | VIDEO DETECTION ZONE |
| | SIGNAL POST | | EXISTING SIGN WITH POST-MOUNTED FLASHER |
| | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | |



MODEL: sht-s2-462
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-1s-Ridge52.dgn



USER NAME =	BDeCrane
PLOT SCALE =	\$\$SCALE\$
PLOT DATE =	2/6/2026

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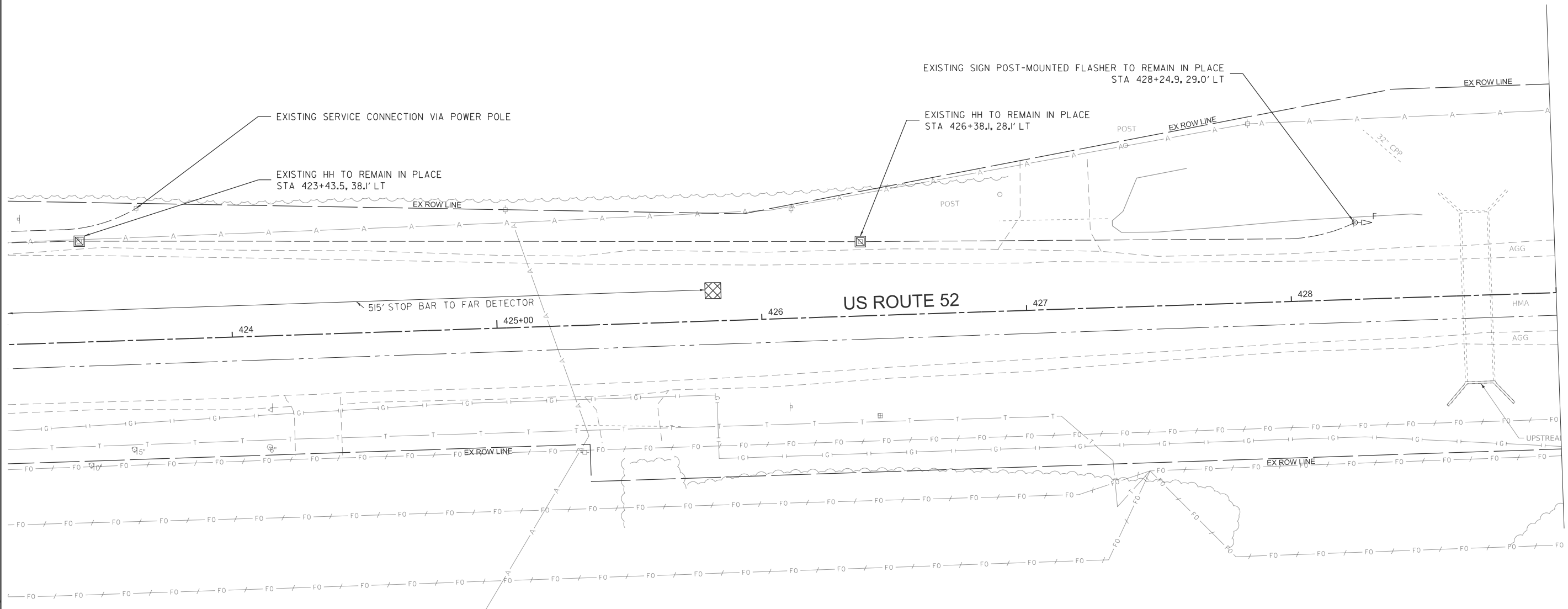
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**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TRAFFIC SIGNALS
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

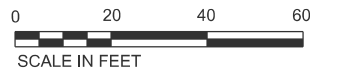
SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	245
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

- | | | | |
|----------------|---|----------------|---|
| ☒ | TRAFFIC SIGNAL CONTROLLER (EXIST) | ➔ | TRAFFIC SIGNAL HEAD WITH BACKPLATE |
| ⊞ | UNINTERRUPTIBLE POWER SUPPLY (EXIST) | ⬇ | CONFIRMATION BEACON |
| ⊞ ^G | SERVICE INSTALLATION, GROUND MOUNTED (EXIST) | ⬆ | EMERGENCY VEHICLE LIGHT DETECTOR |
| ⊞ | HANDHOLE (EXIST) | — | UNDERGROUND CONDUIT |
| ⊞ | HANDHOLE | 📷 | CCTV CAMERA |
| ⊞ | DOUBLE HANDHOLE (EXIST) | 📹 | VIDEO DETECTION CAMERA |
| ⊞ | DOUBLE HANDHOLE | ⊞ | VIDEO DETECTION ZONE |
| ● | SIGNAL POST | ⊞ ^F | EXISTING SIGN WITH POST-MOUNTED FLASHER |
| ⊞ | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | |



MODEL: sht-s3-r62
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-Is-Ridge52.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/6/2026	CHECKED -	REVISED -
	DATE -	REVISED -

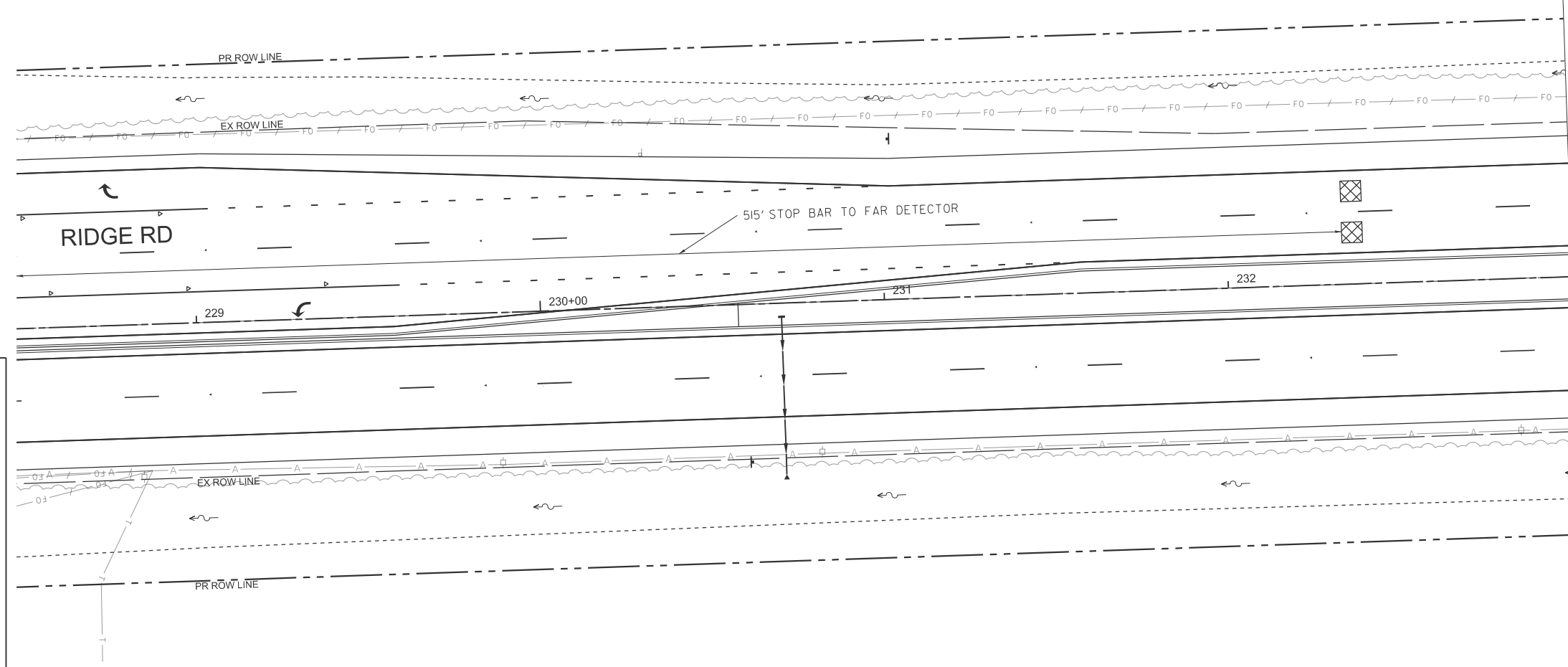
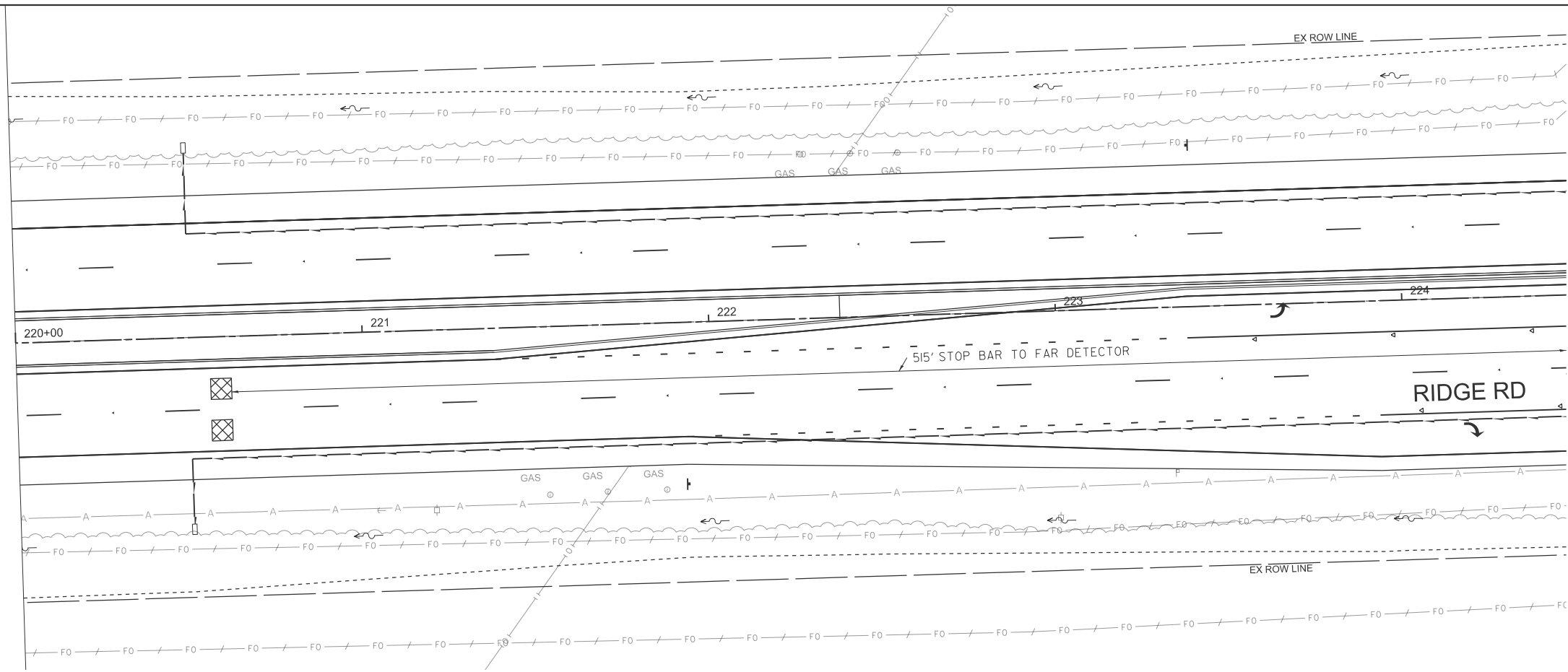
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TRAFFIC SIGNALS
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	246
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

MODEL: shts4-462
 FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-Is-Ridge52.dgn



TRAFFIC SIGNAL LEGEND

- | | | | |
|----------------|---|---|---|
| ☒ | TRAFFIC SIGNAL CONTROLLER (EXIST) | ➔ | TRAFFIC SIGNAL HEAD WITH BACKPLATE |
| ☒ | UNINTERRUPTIBLE POWER SUPPLY (EXIST) | ● | CONFIRMATION BEACON |
| ☒ ^G | SERVICE INSTALLATION, GROUND MOUNTED (EXIST) | ● | EMERGENCY VEHICLE LIGHT DETECTOR |
| ☒ | HANDHOLE (EXIST) | — | UNDERGROUND CONDUIT |
| ☒ | HANDHOLE | ☒ | CCTV CAMERA |
| ☒ | DOUBLE HANDHOLE (EXIST) | ☒ | VIDEO DETECTION CAMERA |
| ☒ | DOUBLE HANDHOLE | ☒ | VIDEO DETECTION ZONE |
| ● | SIGNAL POST | ○ | EXISTING SIGN WITH POST-MOUNTED FLASHER |
| ☒ | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | |



USER NAME =	BWedmeyer
PLOT SCALE =	SSCALE\$
PLOT DATE =	2/6/2026

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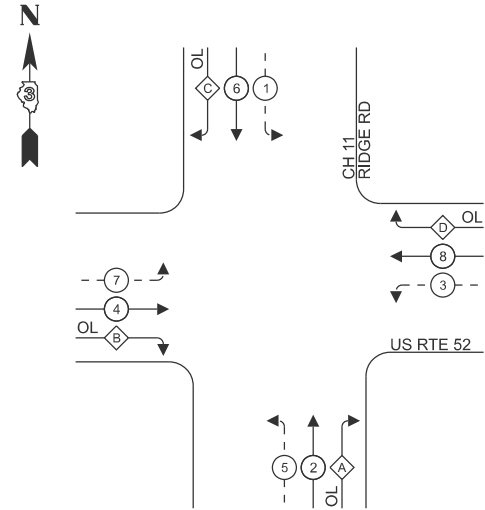
**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**PROPOSED TRAFFIC SIGNALS
 CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	247
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM



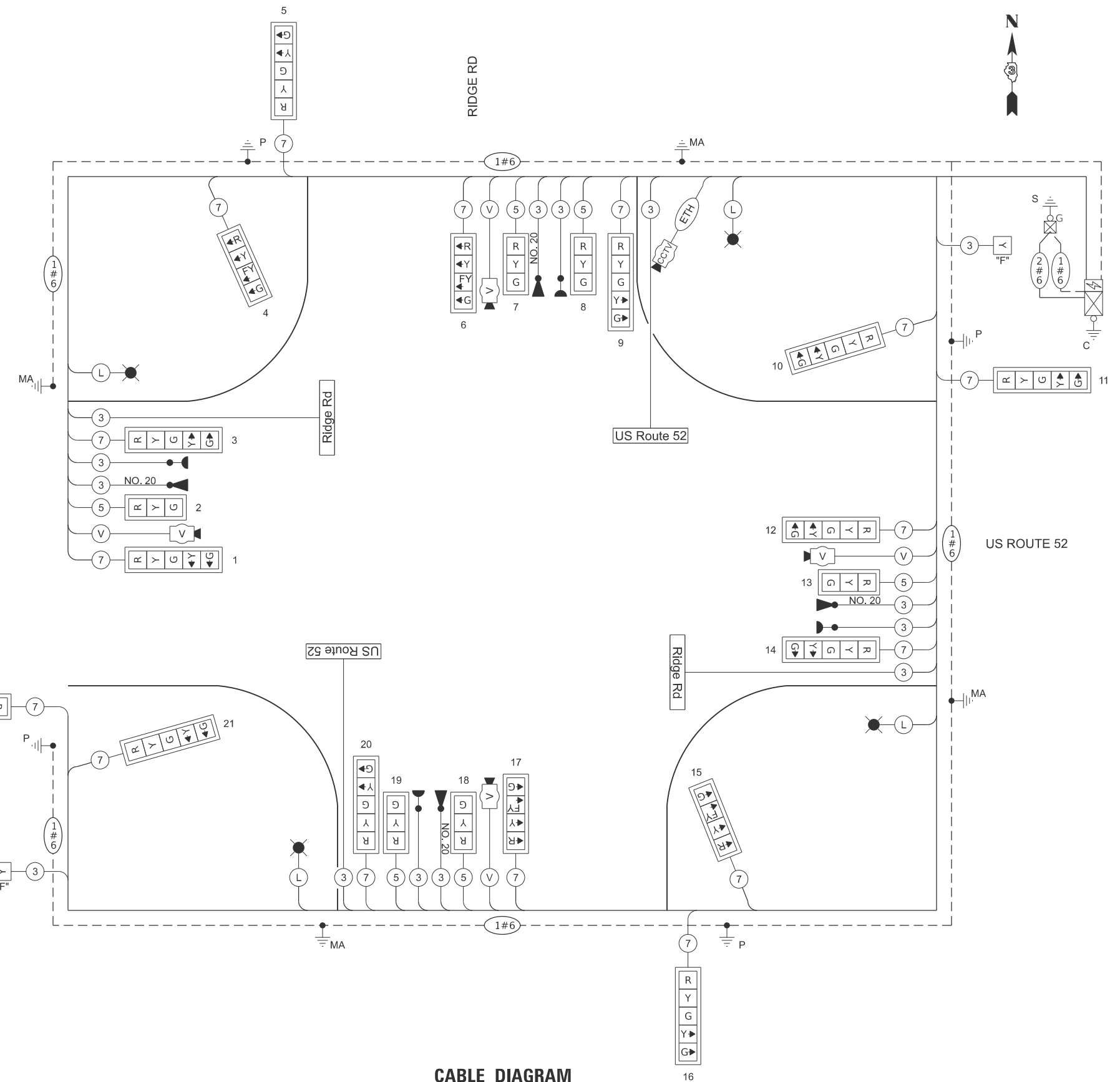
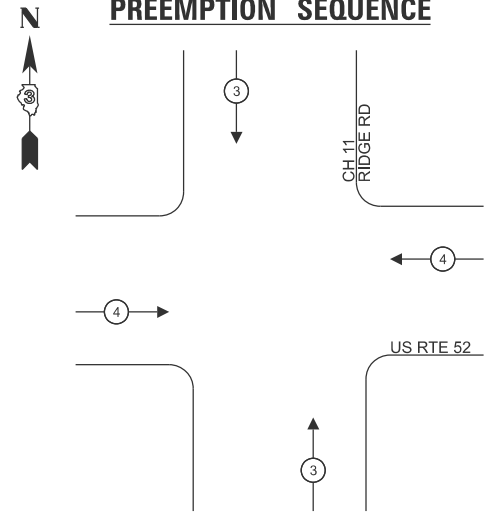
LEGEND:

- ← ⊛ → PROTECTED PHASE
- ← ⊛ - - → PROTECTED/PERMITTED PHASE
- ← ⊛ OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE DIAGRAM
NOT TO SCALE

CABLE DIAGRAM LEGEND

- | | | | |
|--|---|--|--|
| | TRAFFIC SIGNAL CONTROLLER (EXISTING) | | GROUND CABLE ROD AT CONTROLLER (C) (EXISTING) |
| | UNINTERRUPTIBLE POWER SUPPLY (EXISTING) | | GROUND ROD AT POST (P) OR MAST ARM (MA) |
| | SERVICE INSTALLATION, GROUND MOUNTED (EXISTING) | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION (EXISTING) |
| | TRAFFIC SIGNAL HEAD WITH BACKPLATE | | GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN) |
| | DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE | | SERVICE CABLE IN CONDUIT, SERVICE, NO. 6 2C |
| | LUMINAIRE, TYPE D (SPECIAL) | | LIGHTING CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C, NO. 10 |
| | CCTV CAMERA | | VIDEO CABLE SEE SPECIAL PROVISION FOR VIDEO VEHICLE DETECTION SYSTEM |
| | VIDEO DETECTION CAMERA | | CAT 5 ETHERNET CABLE SEE SPECIAL PROVISION FOR CAT 5 ETHERNET CABLE |
| | SIGN POST-MOUNTED FLASHER (EXISTING) | | |
| | CONFIRMATION BEACON | | |
| | EMERGENCY VEHICLE LIGHT DETECTOR | | |

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL CABLE DIAGRAM
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	248
CONTRACT NO. 87899				

ILLINOIS FED. AID PROJECT

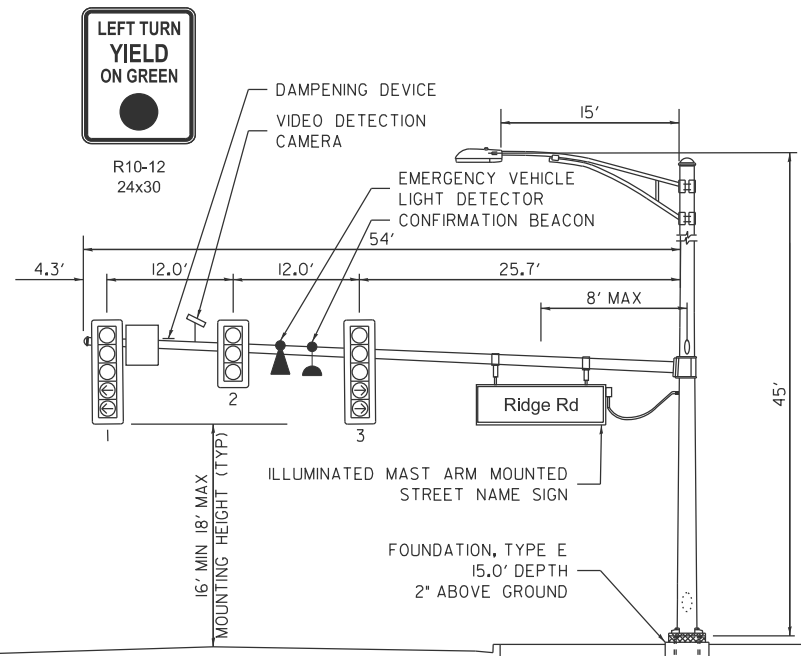
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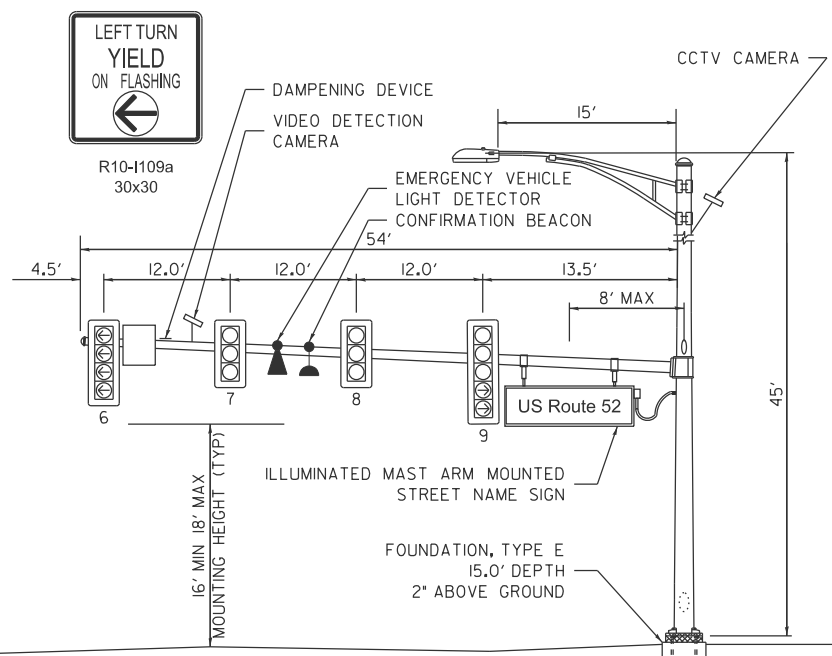
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PLOT SCALE = \$\$SCALE\$
PLOT DATE = 2/6/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

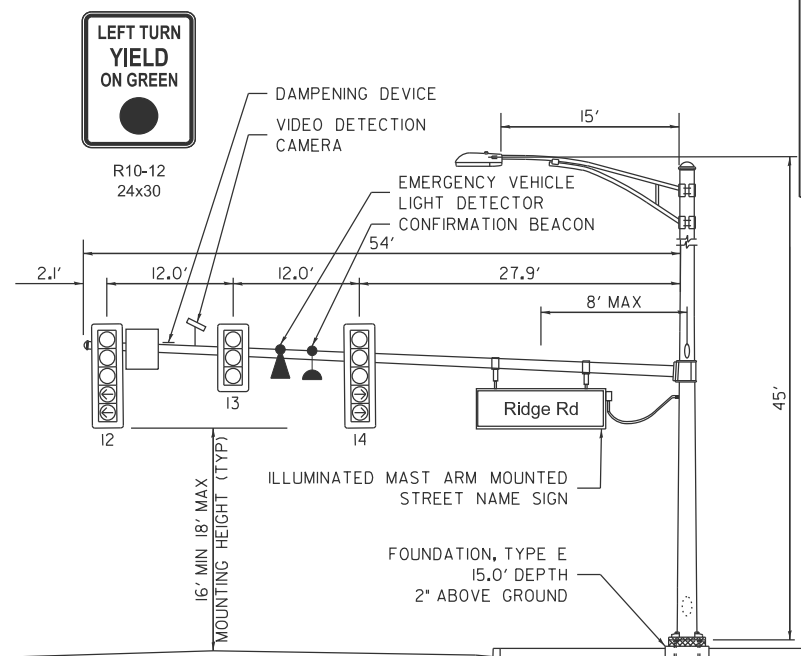
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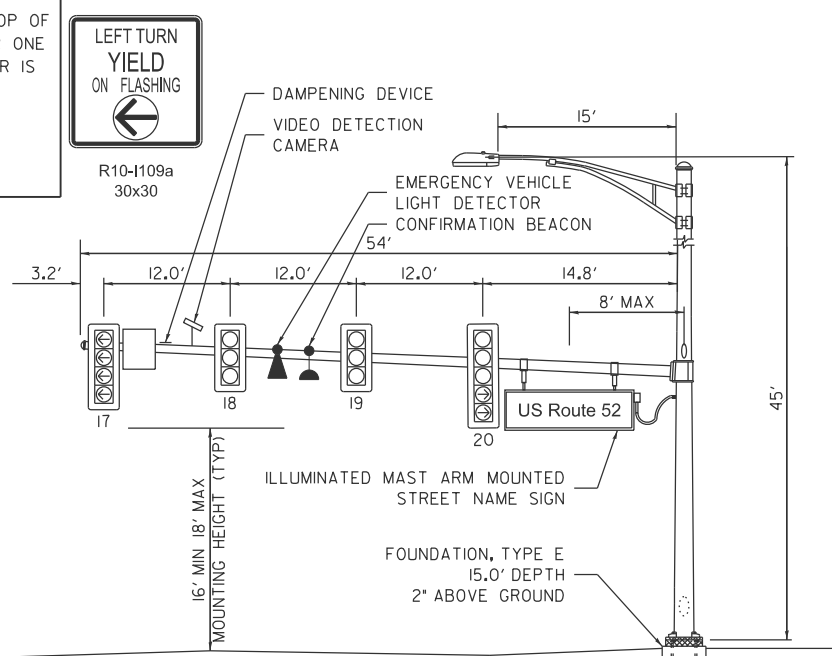
MAST ARM NORTHWEST QUADRANT (A)



MAST ARM NORTHEAST QUADRANT (C)



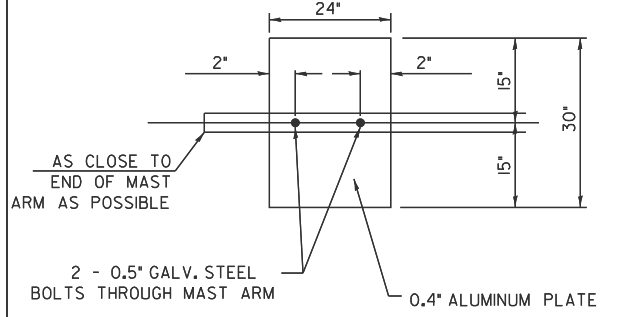
MAST ARM SOUTHEAST QUADRANT (E)



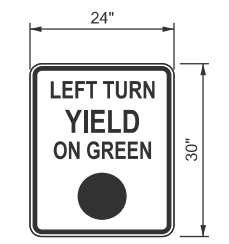
MAST ARM SOUTHWEST QUADRANT (G)

- NOTES:
1. ALL TRAFFIC SIGNAL HEADS SHALL HAVE POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLOURESCENT YELLOW SHEETING.
 2. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 INCHES ABOVE THE SURROUNDING GRADE LINE IN ACCORDANCE WITH HIGHWAY STANDARD 878001.
 3. TOP OF FOUNDATION SHOULD BE 2 INCHES ABOVE TOP OF CURB (OR GROUND WHERE CURB IS NOT PRESENT) OR ONE INCH ABOVE CENTERLINE OF THE ROADWAY, WHICHEVER IS HIGHER.
 4. THE ENERGY CHARGES ARE THE RESPONSIBILITY OF KENDALL COUNTY AND THE BILL SHOULD REMAIN SET UP UNDER THEIR NAME.

NOTE:
DAMPENING DEVICE SHALL CONSIST OF A 24" x30" TYPE I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



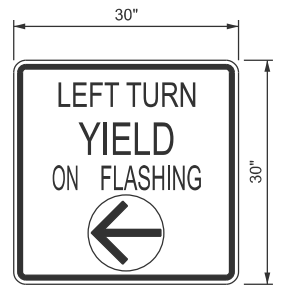
DAMPENING PLATE DETAIL
(TOP VIEW) INCLUDED IN COST OF MAST ARM



N.T.S.
R10-12
TYPE AP SHEETING REQUIRED
5.0 SQ FT EACH (2) REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT SUGN LANE SIGNAL HEAD.



N.T.S.
R10-1109a
TYPE AP SHEETING REQUIRED
6.25 SQ FT EACH (2) REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN LANE SIGNAL HEAD.

MODEL: sht-s6-4f52
FILE NAME: V:\5552 - Ridge Road - Holl to Black - Phase II\CADD\CADD Sheets\552-sht-s6-Ridge52.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = 2/6/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	249
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

C.H. 11 (RIDGE ROAD) AT US ROUTE 52
ELECTRICAL LOAD CHART

RIDGE RD INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	8	12.0	50	48.0
YELLOW	8	32.0	10	25.6
GREEN	8	12.0	40	38.4
RED ARROW	4	12.0	40	19.2
YELLOW ARROW	8	12.0	10	9.6
GREEN ARROW	8	11.0	10	8.8
FLASHING YELLOW ARROW	4	12.0	40	19.2
STREET NAME SIGN	2	120.0	50	120.0
PTZ	1	60.0	100	60.0

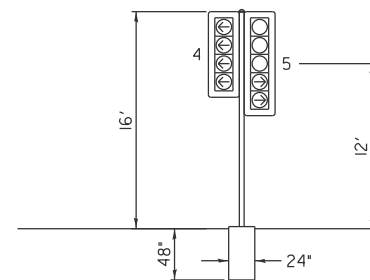
US ROUTE 52 INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	10	12.0	60	72.0
YELLOW	10	32.0	10	32.0
GREEN	10	12.0	30	36.0
YELLOW ARROW	8	12.0	10	9.6
GREEN ARROW	8	11.0	10	8.8
STREET NAME SIGN	2	120.0	50	120.0

TRAFFIC SIGNAL CABINET ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	100.0	100	100.0
VIDEO VEHICLE DETECTION SYSTEM	1	150.0	100	150.0
UNINTERRUPTABLE POWER SUPPLY	1	50.0	100	50.0

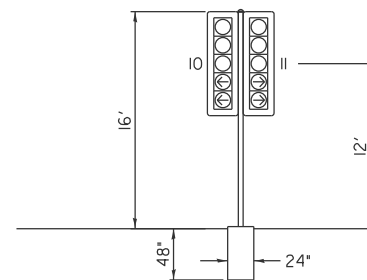
HIGHWAY LIGHTING ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	6.0	100	6.0
LUMINAIRE	4	194.0	45	349.2

TOTAL = 1282.4

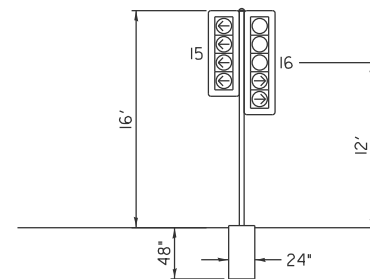
AGENCY RESPONSIBLE FOR CHARGES: KENDALL COUNTY HIGHWAY DEPARTMENT



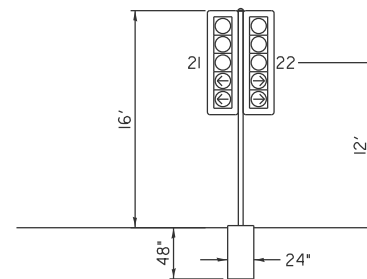
SIGNAL POST NORTHWEST QUADRANT



SIGNAL POST NORTHEAST QUADRANT



SIGNAL POST SOUTHEAST QUADRANT



SIGNAL POST SOUTHWEST QUADRANT

**ILLUMINATED MAST ARM MOUNTED
STREET NAME SIGN**

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

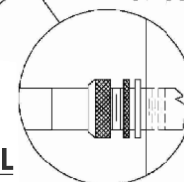
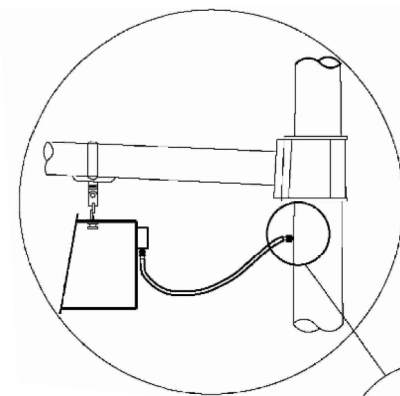
SERIES D LETTERS - 8" UPPER CASE, 6" LOWER CASE



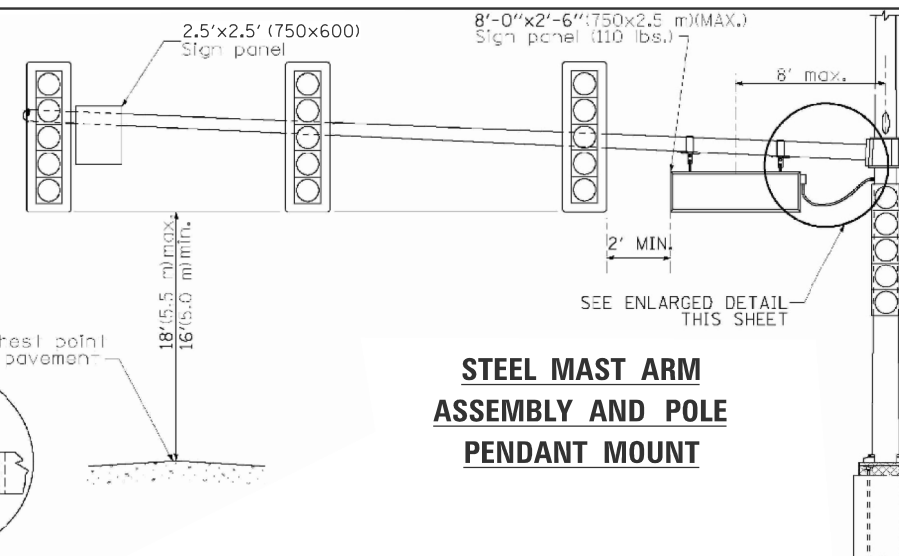
2 REQUIRED

2 REQUIRED

**L.E.D SIGN ENLARGED
CABLE CONNECTOR
DETAIL FOR PENDANT MOUNT**



Highest point of luminaire of 18' (5.5 m) max. 16' (5.0 m) min.



**STEEL MAST ARM
ASSEMBLY AND POLE
PENDANT MOUNT**

MODEL: sht-11-17-162
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-11-17-162.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/8/2026	CHECKED -	REVISED -
	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	250
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

MODEL: sht-us-6-r652
 FILE NAME: Y:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-us-Ridge52.dgn

CH 11 (RIDGE RD) & US ROUTE 52 TRAFFIC SIGNAL SUMMARY OF QUANTITIES			
CODE NO.	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	23
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	20
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	628
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	463
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	60
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	120
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,834
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,481
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,420
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	331
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,415
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	4
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,793
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	3
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC)2/C NO. 10 AND NO. 10 GROUND	FOOT	740
X1400368	RELOCATE EXISTING PTZ CAMERA	EACH	1
X1400381	CABLE (SPECIAL)	FOOT	860
X8212034	LUMINAIRE, TYPE D (SPECIAL)	EACH	4
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	22
X8870300	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4



USER NAME = BWedemeler	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$\$CALE\$	CHECKED -	REVISED -
PLOT DATE = 2/8/2026	DATE -	REVISED -

**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL SUMMARY OF QUANTITIES
 CH 11 (RIDGE RD) - US RTE 52 & RIDGE RD**

SCALE: N/A SHEET 4 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	251
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

LOCATION	LENGTH	TYPE
A	55.0'	S. COMB. MAA. & POLE
B	16.0'	SIGNAL POST
C	54.0'	S. COMB. MAA. & POLE
D	16.0'	SIGNAL POST
E	55.0'	S. COMB. MAA. & POLE
F	16.0'	SIGNAL POST
G	16.0'	SIGNAL POST
H	44.0'	S. COMB. MAA. & POLE
I	16.0'	SIGNAL POST

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
6, 9, 17, 20	SH, IF, 3S, BM	EACH	4
2, 3, 8, 13, 14, 19	SH, IF, 3S, MAM	EACH	6
5, 10, 16, 21	SH, IF, 4S, BM	EACH	4
1, 7, 12, 18	SH, IF, 4S, MAM	EACH	4
4, 11, 15, 22	SH, IF, 5S, BM	EACH	4
23, 24, 25, 26	SH, IF, PED, BM	EACH	4

NOTES:

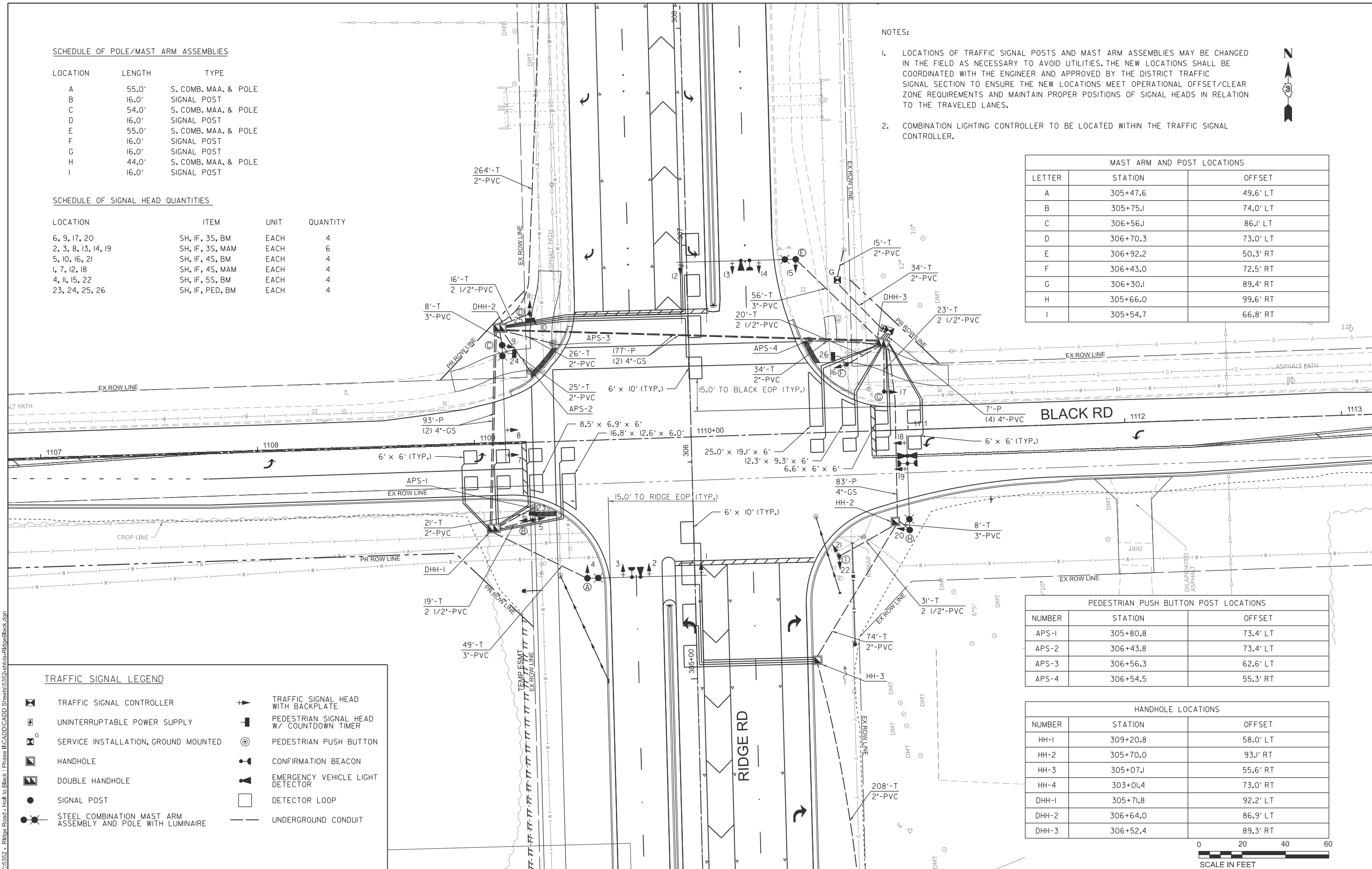
- LOCATIONS OF TRAFFIC SIGNAL POSTS AND MAST ARM ASSEMBLIES MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATIONS MEET OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITIONS OF SIGNAL HEADS IN RELATION TO THE TRAVELED LANES.
- COMBINATION LIGHTING CONTROLLER TO BE LOCATED WITHIN THE TRAFFIC SIGNAL CONTROLLER.



MAST ARM AND POST LOCATIONS		
LETTER	STATION	OFFSET
A	305+47.6	49.6' LT
B	305+75.1	74.0' LT
C	306+56.1	86.1' LT
D	306+70.3	73.0' LT
E	306+92.2	50.3' RT
F	306+43.0	72.5' RT
G	306+30.1	89.4' RT
H	305+66.0	99.6' RT
I	305+54.7	66.8' RT

PEDESTRIAN PUSH BUTTON POST LOCATIONS		
NUMBER	STATION	OFFSET
APS-1	305+80.8	73.4' LT
APS-2	306+43.8	73.4' LT
APS-3	306+56.3	62.6' LT
APS-4	306+54.5	55.3' RT

HANDHOLE LOCATIONS		
NUMBER	STATION	OFFSET
HH-1	309+20.8	58.0' LT
HH-2	305+70.0	93.1' RT
HH-3	305+07.1	55.6' RT
HH-4	303+01.4	73.0' RT
DHH-1	305+71.8	92.2' LT
DHH-2	306+64.0	86.9' LT
DHH-3	306+52.4	89.3' RT



TRAFFIC SIGNAL LEGEND

	TRAFFIC SIGNAL CONTROLLER		TRAFFIC SIGNAL HEAD WITH BACKPLATE
	UNINTERRUPTIBLE POWER SUPPLY		PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER
	SERVICE INSTALLATION, GROUND MOUNTED		PEDESTRIAN PUSH BUTTON
	HANDHOLE		CONFIRMATION BEACON
	DOUBLE HANDHOLE		EMERGENCY VEHICLE LIGHT DETECTOR
	SIGNAL POST		DETECTOR LOOP
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		UNDERGROUND CONDUIT

KENDALL COUNTY
HIGHWAY DEPARTMENT

PROPOSED TRAFFIC SIGNALS
CH 11 (RIDGE RD) - BLACK RD & RIDGE RD

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	252

CONTRACT NO. 87899

ILLINOIS FED. AID PROJECT

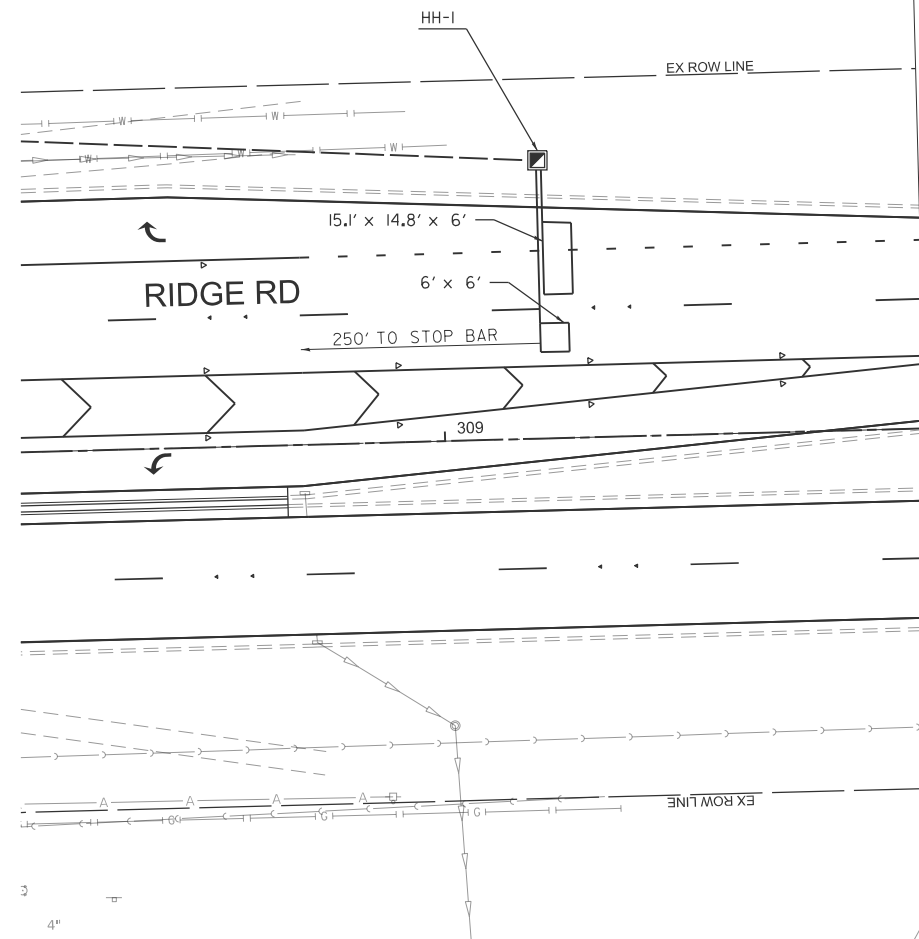
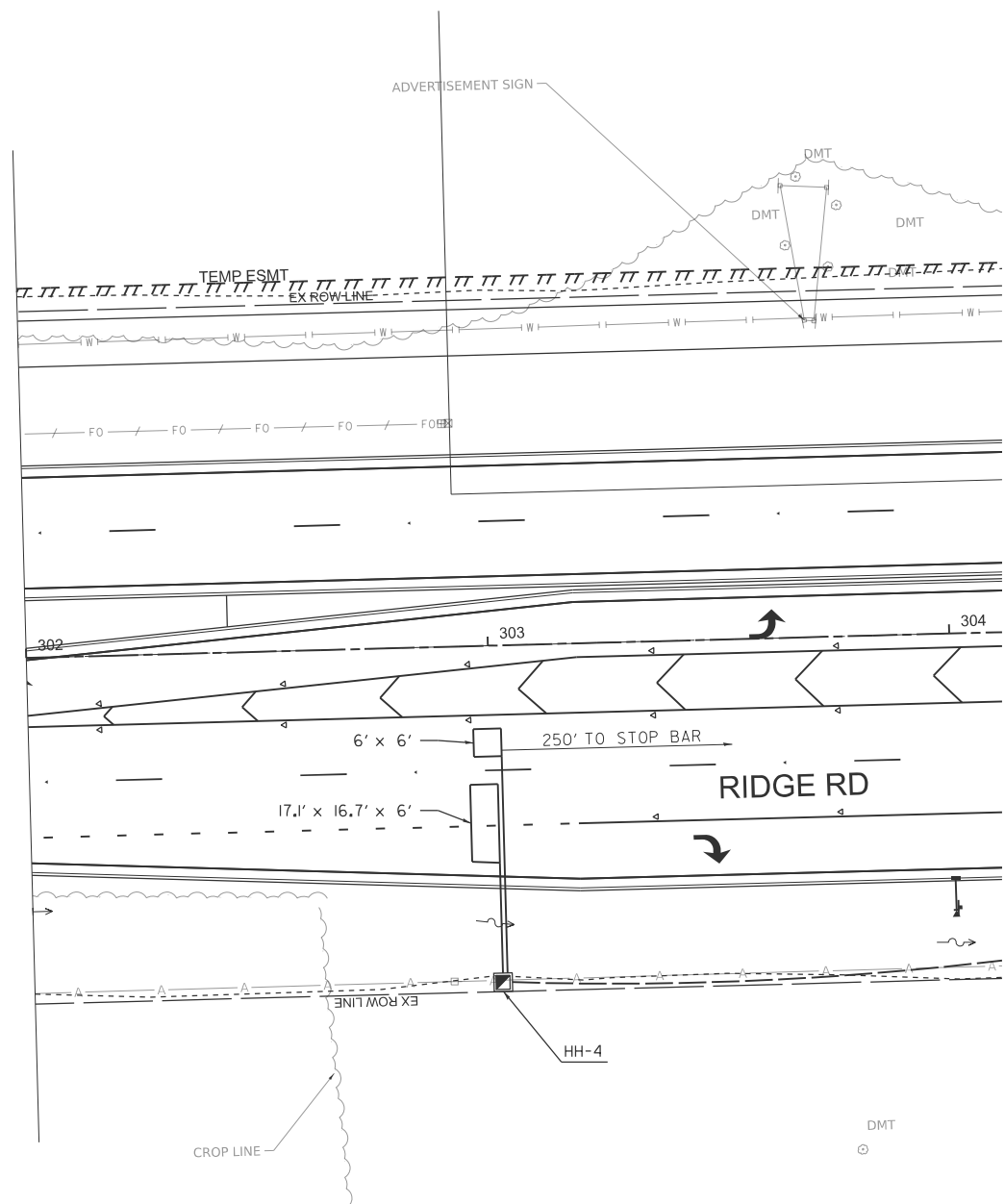
MODEL: sht-11-black
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-11-RidgeBlack.dgn



USER NAME = BWedemeyer
PLOT SCALE = \$SCALE\$
PLOT DATE = 2/9/2026

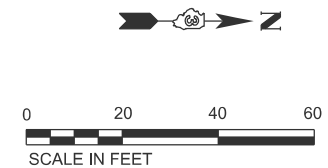
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TRAFFIC SIGNAL LEGEND

- | | | | |
|----------------|---|---|---|
| ☒ | TRAFFIC SIGNAL CONTROLLER | ▶ | TRAFFIC SIGNAL HEAD WITH BACKPLATE |
| ⊞ | UNINTERRUPTIBLE POWER SUPPLY | ⊞ | PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER |
| ⊞ ^G | SERVICE INSTALLATION, GROUND MOUNTED | ⊙ | PEDESTRIAN PUSH BUTTON |
| ⊞ | HANDHOLE | ⊙ | CONFIRMATION BEACON |
| ⊞ | DOUBLE HANDHOLE | ⊙ | EMERGENCY VEHICLE LIGHT DETECTOR |
| ● | SIGNAL POST | □ | DETECTOR LOOP |
| ⊙ | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | — | UNDERGROUND CONDUIT |



MODEL: sht-1s-2-black FILE NAME: Y:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-1s-RidgeBlack.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
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PLOT DATE = 2/6/2026	CHECKED -	REVISED -
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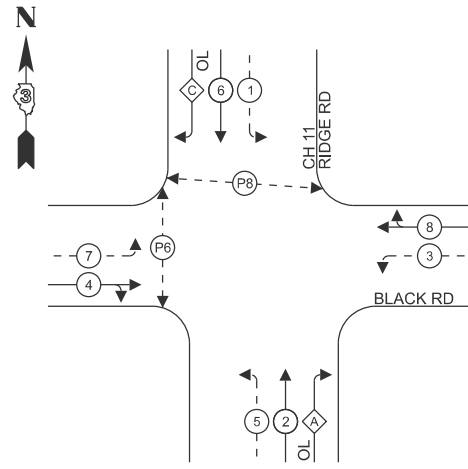
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**PROPOSED TRAFFIC SIGNALS
CH 11 (RIDGE RD) - BLACK RD & RIDGE RD**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	253
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PHASE DESIGNATION DIAGRAM



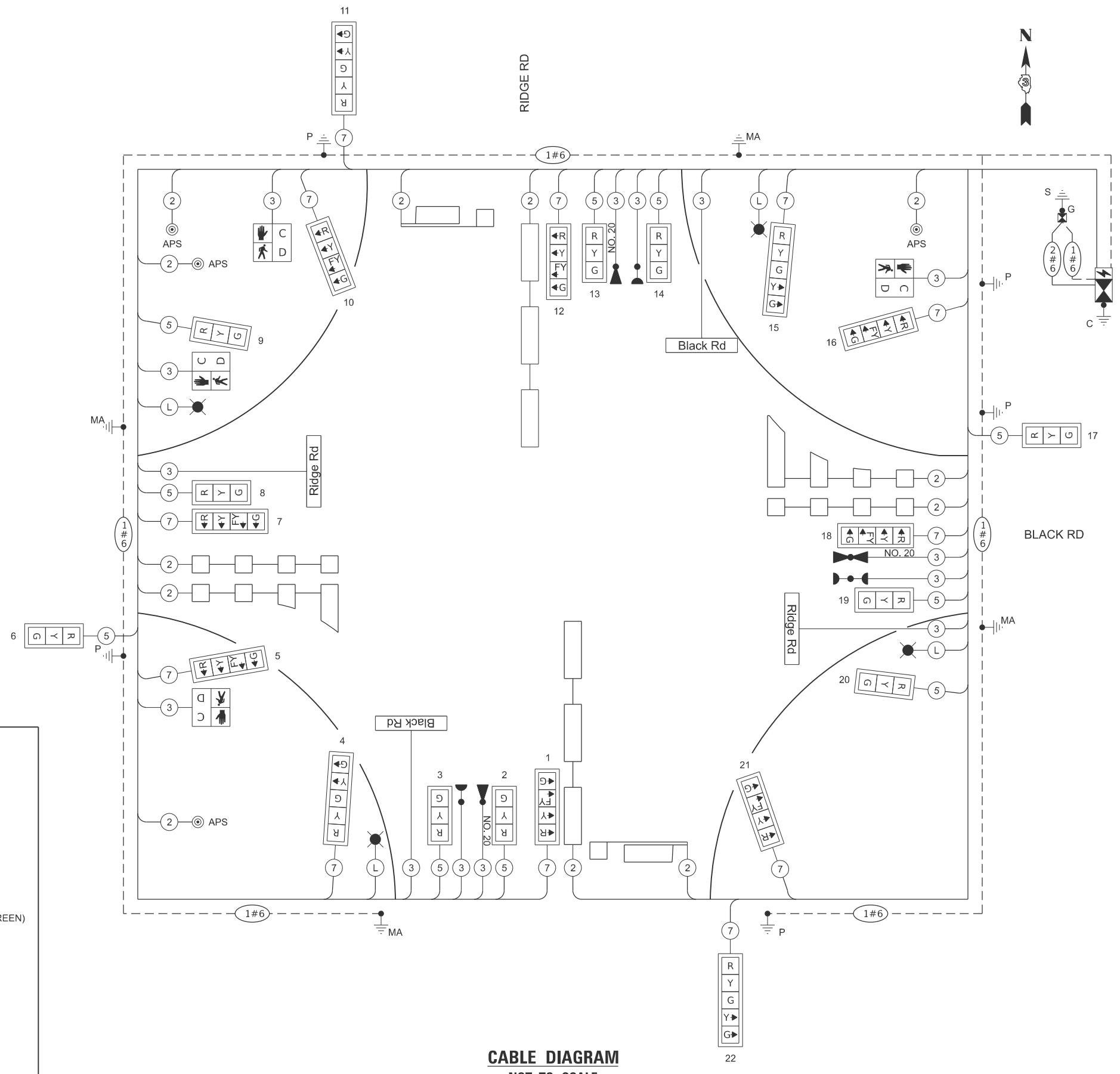
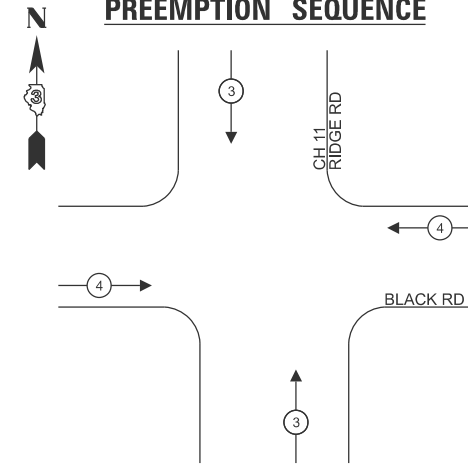
LEGEND:

- ⊙ — PROTECTED PHASE
- ⊙ — PROTECTED/PERMITTED PHASE
- ⊙ — OL OVERLAP
- ⊙ — PEDESTRIAN MOVEMENT

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PROTECTED PHASE
A	2+3
C	6+7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE DIAGRAM
NOT TO SCALE

CABLE DIAGRAM LEGEND

- ⊙ — TRAFFIC SIGNAL CONTROLLER
- ⊙ — UNINTERRUPTIBLE POWER SUPPLY
- ⊙ — SERVICE INSTALLATION, GROUND MOUNTED
- ⊙ — TRAFFIC SIGNAL HEAD WITH BACKPLATE
- ⊙ — PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER
- ⊙ — PEDESTRIAN PUSH BUTTON
- ⊙ — DENOTES NUMBER OF CONDUCTORS ON NO. 14 ELECTRIC CABLE
- ⊙ — DETECTOR LOOP
- ⊙ — LUMINAIRE, TYPE D (SPECIAL)
- ⊙ — CONFIRMATION BEACON
- ⊙ — EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ — GROUND CABLE ROD AT CONTROLLER (C)
- ⊙ — GROUND ROD AT POST (P) OR MAST ARM (MA)
- ⊙ — GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- ⊙ — GROUND CABLE
GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)
- ⊙ — SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
- ⊙ — LIGHTING CABLE
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C, NO. 10

MODEL: sht-1s-3-black FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-1s-3-black.dgn



USER NAME = BDeCrane
DESIGNED -
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PLOT SCALE = \$SCALE\$
PLOT DATE = 2/6/2026

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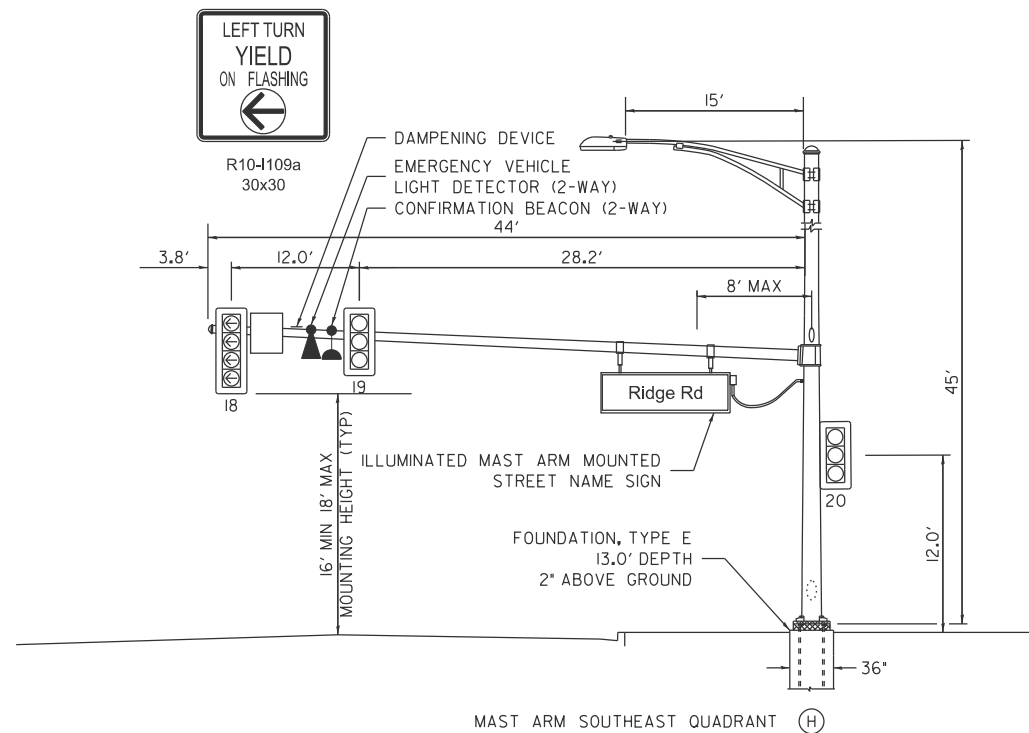
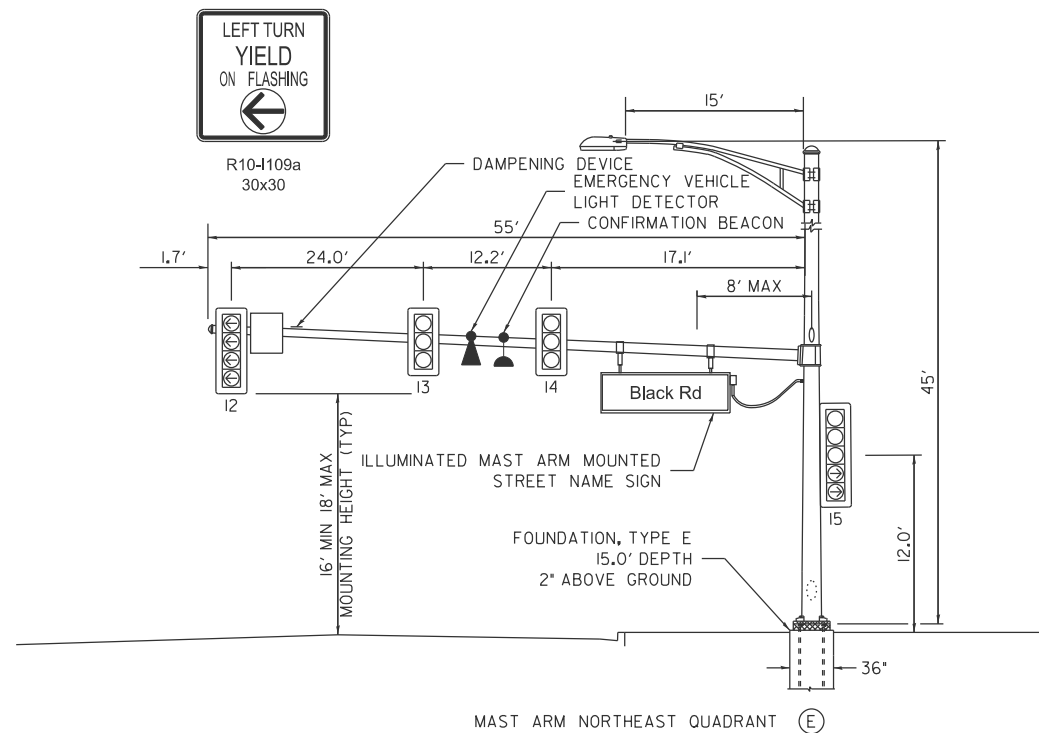
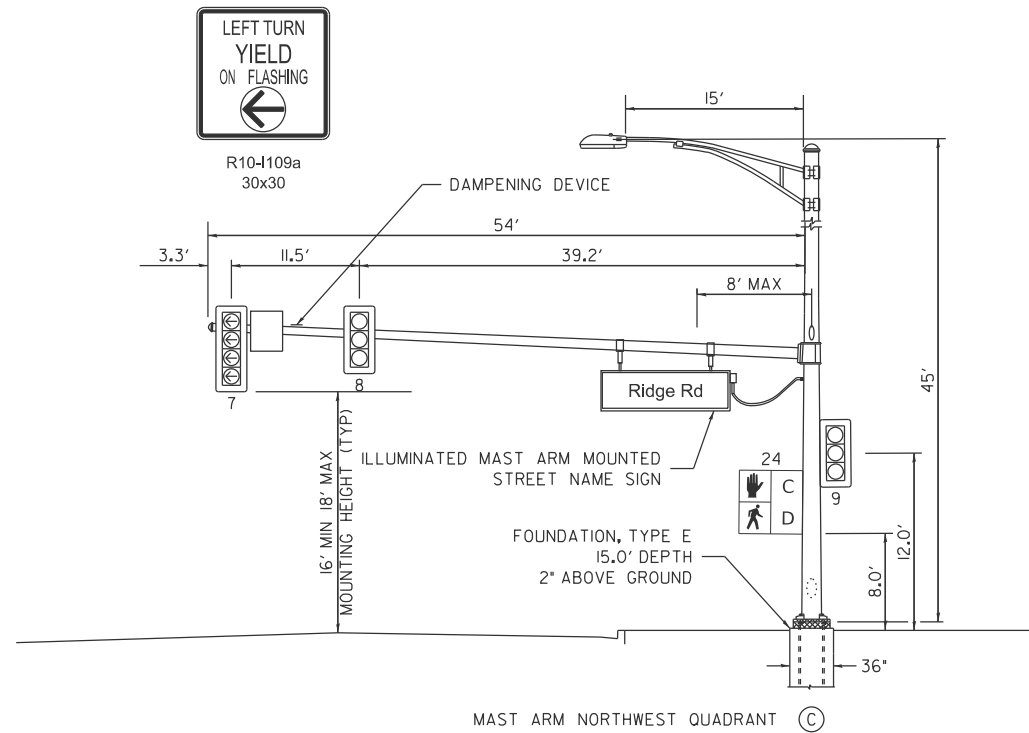
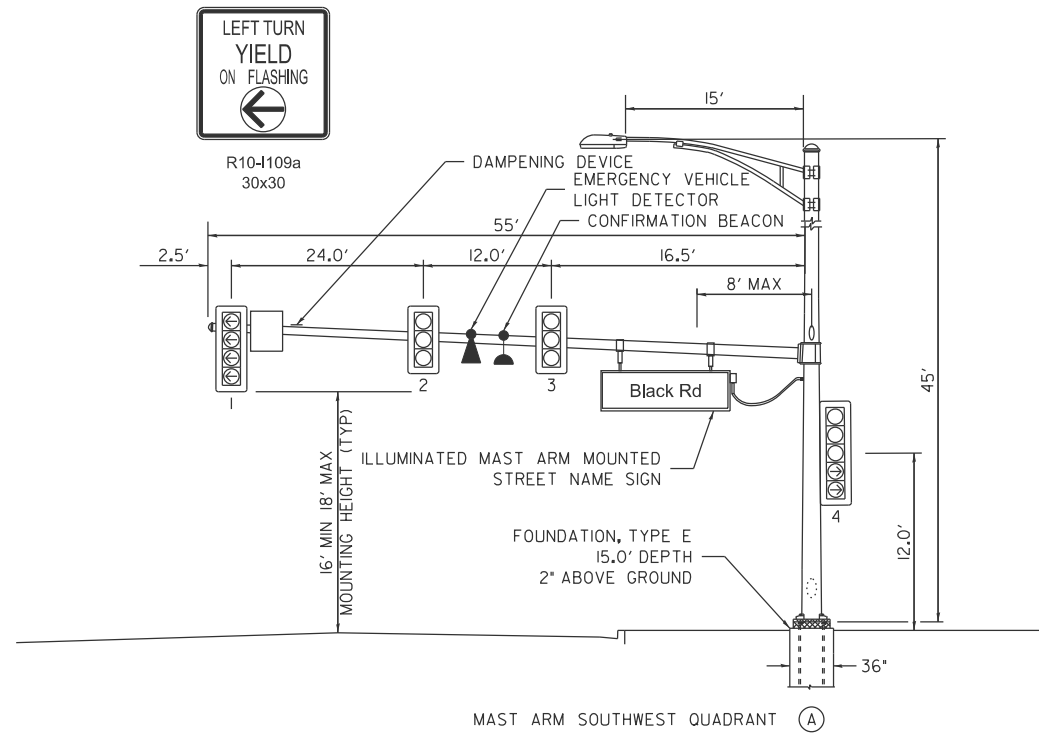
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL CABLE DIAGRAM
CH 11 (RIDGE RD) - BLACK RD & RIDGE RD**

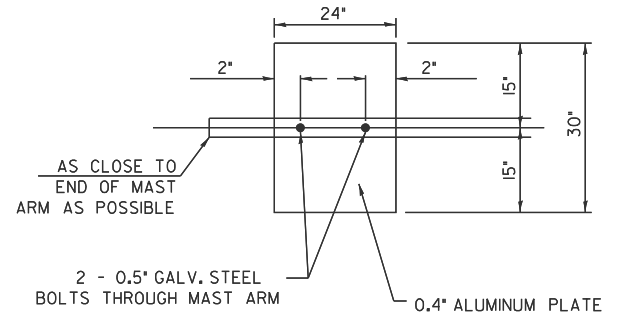
SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	254
CONTRACT NO. 87899				

ILLINOIS FED. AID PROJECT



NOTE:
DAMPENING DEVICE SHALL CONSIST OF A 24" x 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.

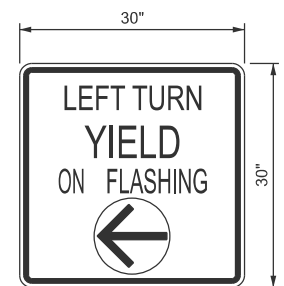


DAMPENING PLATE DETAIL

(TOP VIEW) INCLUDED IN COST OF MAST ARM

NOTES:

1. ALL TRAFFIC SIGNAL HEADS SHALL HAVE POLYCARBONATE, LOUVERED FORMED BACKPLATES WITH FLOURESCENT YELLOW SHEETING.
2. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 INCHES ABOVE THE SURROUNDING GRADE LINE IN ACCORDANCE WITH HIGHWAY STANDARD 878001.
3. TOP OF FOUNDATION SHOULD BE 2 INCHES ABOVE TOP OF CURB (OR GROUND WHERE CURB IS NOT PRESENT) OR ONE INCH ABOVE CENTERLINE OF THE ROADWAY, WHICHEVER IS HIGHER.
4. THE ENERGY CHARGES ARE THE RESPONSIBILITY OF KENDALL COUNTY AND THE BILL SHOULD BE SET UP UNDER THEIR NAME.



N.T.S.
R10-1109a
TYPE AP SHEETING REQUIRED
6.25 SQ FT EACH (4) REQUIRED

LEFT TURN CONTROL SIGN DETAIL

THIS SIGN SHALL BE LOCATED 6 TO 12 INCHES TO THE RIGHT OF THE MAST ARM MOUNTED LEFT TURN LANE SIGNAL HEAD.

MODEL: sht-1109a-4-black
FILE NAME: V:\5552 - Ridge Road - Holl to Black - Phase II\CADD\CADD Sheets\5552-sht-1109a-RidgeBlack.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = 2/6/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - BLACK RD & RIDGE RD**

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	255
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

C.H. 11 (RIDGE ROAD) AT BLACK ROAD
ELECTRICAL LOAD CHART

RIDGE RD INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	8	12.0	50	48.0
YELLOW	8	32.0	10	25.6
GREEN	8	12.0	40	38.4
RED ARROW	4	12.0	40	19.2
YELLOW ARROW	8	12.0	10	9.6
GREEN ARROW	8	11.0	10	8.8
FLASHING YELLOW ARROW	4	12.0	40	19.2
STREET NAME SIGN	2	120.0	50	120.0
PED SIGNAL - WALK	2	7.0	5	0.7
PED SIGNAL - DON'T WALK	2	7.0	95	13.3

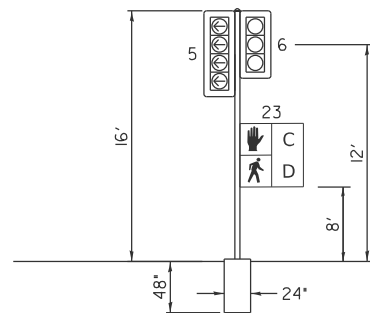
BLACK RD INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
RED	6	12.0	60	43.2
YELLOW	6	32.0	10	19.2
GREEN	6	12.0	30	21.6
RED ARROW	4	12.0	40	19.2
YELLOW ARROW	4	12.0	10	4.8
GREEN ARROW	4	11.0	10	4.4
FLASHING YELLOW ARROW	4	12.0	40	19.2
STREET NAME SIGN	2	120.0	50	120.0
PED SIGNAL - WALK	2	7.0	5	0.7
PED SIGNAL - DON'T WALK	2	7.0	95	13.3

TRAFFIC SIGNAL CABINET ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	100.0	100	100.0
UNINTERRUPTABLE POWER SUPPLY	1	50.0	100	50.0

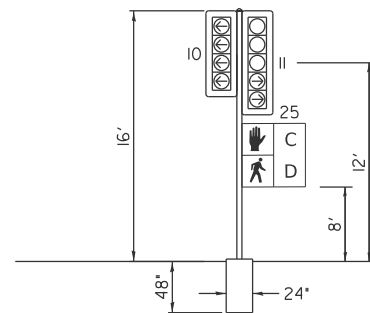
HIGHWAY LIGHTING ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)	TOTAL WATTAGE
CONTROLLER	1	6.0	100	6.0
LUMINAIRE	4	194.0	45	349.2

TOTAL = 1073.6

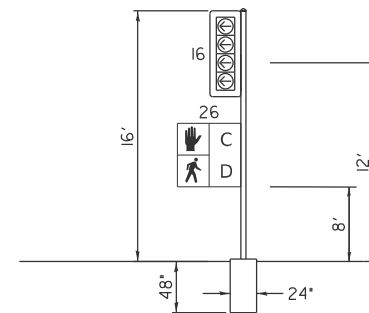
AGENCY RESPONSIBLE FOR CHARGES: KENDALL COUNTY HIGHWAY DEPARTMENT



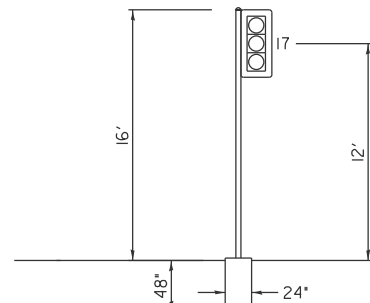
SIGNAL POST SOUTHWEST QUADRANT



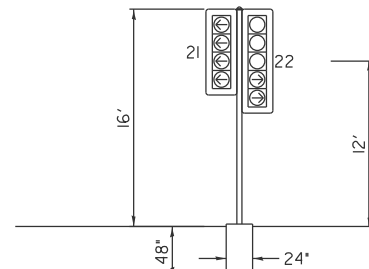
SIGNAL POST NORTHWEST QUADRANT



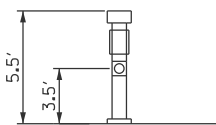
SIGNAL POST NORTHEAST QUADRANT



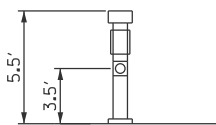
SIGNAL POST NORTHEAST QUADRANT



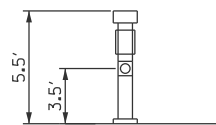
SIGNAL POST SOUTHEAST QUADRANT



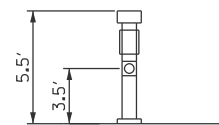
APS-1 - SOUTHWEST QUADRANT



APS-2 - NORTHWEST QUADRANT



APS-3 - NORTHWEST QUADRANT



APS-4 - NORTHEAST QUADRANT

PEDESTRIAN CROSSING SIGN

COUNT-DOWN PEDESTRIAN SIGN R10-3e TO BE USED.

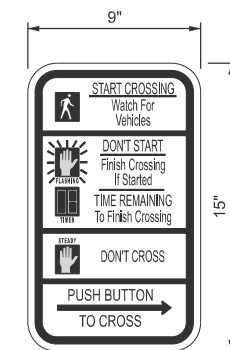
0.94 SQ FT EACH, (4) REQUIRED.

DIMENSIONS: 9" x 15" (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: RETROREFLECTIVE WHITE
UPRAISED HAND SYMBOL,
TIMER: RETROREFLECTIVE ORANGE ON BLACK
PEDESTRIAN SYMBOL: RETROREFLECTIVE WHITE ON BLACK

ONE SIGN SHALL BE PROVIDED FOR EACH ACCESSIBLE PEDESTRIAN SIGNAL. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY ACCESSIBLE PEDESTRIAN SIGNAL LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF ACCESSIBLE PEDESTRIAN SIGNALS.



N.T.S.

ILLUMINATED MAST ARM MOUNTED STREET NAME SIGN

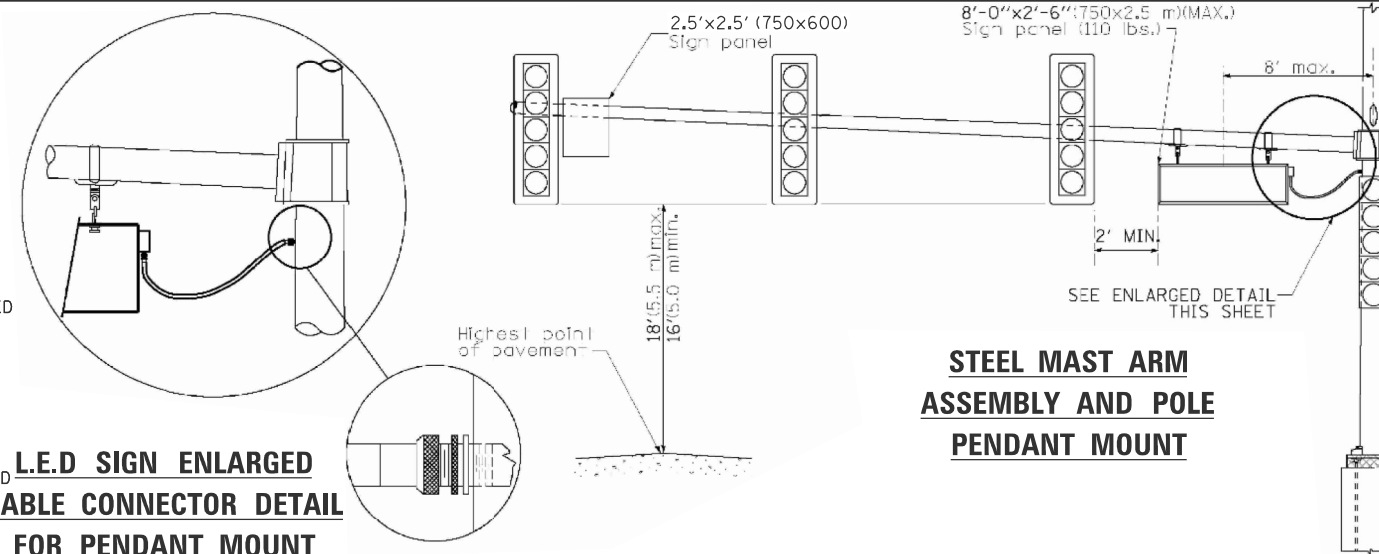
THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

SERIES D LETTERS - 8" UPPER CASE, 6" LOWER CASE



2 REQUIRED

2 REQUIRED



STEEL MAST ARM ASSEMBLY AND POLE PENDANT MOUNT

L.E.D SIGN ENLARGED CABLE CONNECTOR DETAIL FOR PENDANT MOUNT

KENDALL COUNTY
HIGHWAY DEPARTMENT

TRAFFIC SIGNAL DETAILS
CH 11 (RIDGE RD) - BLACK RD & RIDGE RD

SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	256
CONTRACT NO. 87899				

ILLINOIS FED. AID PROJECT

MODEL: sht-11-s-6-black
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-11-s-RidgeBlack.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = 2/6/2026	CHECKED -	REVISED -
	DATE -	REVISED -

MODEL: sht-11-6-black
 FILE NAME: Y:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-11-6-black.dgn

CH 11 (RIDGE RD) & BLACK RD TRAFFIC SIGNAL SUMMARY OF QUANTITIES			
CODE NO.	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	25
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	623
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	701
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	109
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	121
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	28
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	918
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	911
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,360
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,825
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,996
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	89
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,415
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5
87601200	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	4
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	58
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
88500100	INDUCTIVE LOOP DETECTOR	EACH	10
88500500	INDUCTION LOOP DETECTOR AMPLIFIER	EACH	1
88600100	DETECTOR LOOP, TYPE I	FOOT	1,727
X0325839	SIGNAL TIMING	L SUM	1
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
X1400147	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC)2/C NO. 10 AND NO. 10 GROUND	FOOT	815
X1400381	CABLE (SPECIAL)	FOOT	928
X8212034	LUMINAIRE, TYPE D (SPECIAL)	EACH	4
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	22
X8860100	LOOP DETECTOR TESTING	EACH	1
X8870300	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4



USER NAME = BWedemeler	DESIGNED -	REVISED -
PLOT SCALE = \$\$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 2/8/2026	CHECKED -	REVISED -
	DATE -	REVISED -


**KENDALL COUNTY
 HIGHWAY DEPARTMENT**


**TRAFFIC SIGNAL SUMMARY OF QUANTITIES
 CH 11 (RIDGE RD) - BLACK RD & RIDGE RD**


SCALE: N/A SHEET 4 OF 4 SHEETS STA. TO STA.


RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	257
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				


LEGEND


- 

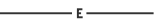
PROPOSED LUMINAIRE, TYPE A (SPECIAL)
GE EVOLVE ERLH SERIES LED ROADWAY LUMINAIRE AND
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, BLACK
ALUMINUM LIGHT POLE, 25'-0" MOUNTING HEIGHT, 8' MAST ARM,
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- 


PROPOSED LUMINAIRE, TYPE A (SPECIAL)
GE EVOLVE ERLH SERIES LED ROADWAY LUMINAIRE AND
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, BLACK
ALUMINUM LIGHT POLE, 25'-0" MOUNTING HEIGHT, 8' MAST ARMS,
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- 


PROPOSED LUMINAIRE, TYPE B (SPECIAL)
GE EVOLVE ERL2 SERIES LED ROADWAY LUMINAIRE, 45'-0" MOUNTING HEIGHT,
8' MAST ARM, TYPE IV MEDIUM DISTRIBUTION, 4000K,
BLACK ON COMBINATION POLE (SEE TRAFFIC SIGNAL PLANS)
- 


PROPOSED LUMINAIRE, TYPE C (SPECIAL)
LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, GRAY
ALUMINUM LIGHT POLE, 35'-0" MOUNTING HEIGHT, 12' MAST ARM
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- 

PROPOSED LUMINAIRE, TYPE C (SPECIAL)
LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, GRAY
ALUMINUM LIGHT POLE, 35'-0" MOUNTING HEIGHT, 12' MAST ARMS
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- 

PROPOSED LUMINAIRE, TYPE D (SPECIAL)
LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE, 45'-0"
MOUNTING HEIGHT, 12' MAST ARM, TYPE IV MEDIUM DISTRIBUTION, 4000K,
GRAY ON COMBINATION POLE (SEE TRAFFIC SIGNAL PLANS)
- 

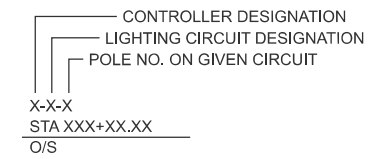
PROPOSED UNIT DUCT (SEE CONDUIT AND CABLE LEGEND)
- 

PROPOSED RIGID GALVANIZED STEEL CONDUIT SLEEVE, 4" DIA.
- 

PROPOSED 24" X 24" COMPOSITE CONCRETE HANDHOLE
- 

120/240V STREET LIGHTING CONTROLLER, SINGLE PHASE, BASE MOUNTED

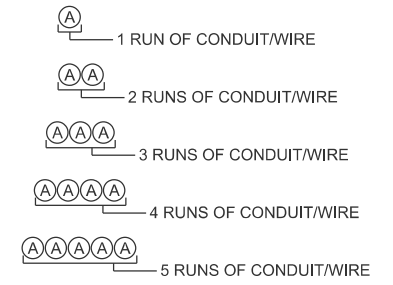
CIRCUIT DESIGNATION IDENTIFICATION



CONDUIT AND CABLE LEGEND

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

CONDUIT AND WIRE IDENTIFICATION



STREET LIGHTING SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	TOTAL
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	105
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	792
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	17
81603071	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	6,653
81603095	UNIT DUCT, 600V, 4-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	10,972
81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	105
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	2
83006000	LIGHT POLE, ALUMINUM, 25 FT. M.H., 8 FT. MAST ARM	EACH	22
83006001	LIGHT POLE, ALUMINUM, 25 FT. M.H., 8 FT. MAST ARM - TWIN	EACH	34
83007500	LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM	EACH	6
83010129	LIGHT POLE, ALUMINUM, 35 FT. M.H., 2-12 FT. MAST ARMS	EACH	8
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	560
X8212031	LUMINAIRE, TYPE A (SPECIAL)	EACH	90
X8212032	LUMINAIRE, TYPE B (SPECIAL)	EACH	8
X8212033	LUMINAIRE, TYPE C (SPECIAL)	EACH	22
X8212034	LUMINAIRE, TYPE D (SPECIAL)	EACH	8

GENERAL NOTES

1. SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
2. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (DECORATIVE ROCKS, PLANTS, ETC.).
3. ALL WORK SHALL CONFORM TO THE LATEST IDOT DISTRICT 3 STANDARDS, CONTRACT SPECIAL PROVISIONS, STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, THE NATIONAL ELECTRICAL CODE, AND THE NATIONAL ELECTRICAL SAFETY CODE.
4. ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION.
5. THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS, SITE CONDITIONS AND OTHER PERTINENT DATA PRIOR TO BIDDING.
7. THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCE FROM THE EXISTING COMED/NED OVERHEAD ELECTRIC LINES. THE CONTRACTOR SHALL PLAN HIS WORK CONSIDERING ELECTRIC LINES ARE TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
8. ALL NEW UNIT DUCTS AND CONDUITS SHALL BE PLACED A MINIMUM OF 30" BENEATH THE GROUND SURFACE (FINAL GRADE).
9. ALL UNIT DUCTS CROSSING UNDER THE ROADWAY, DRIVEWAY OR ENTRANCES SHALL BE INSTALLED IN 4" RGS CONDUIT SLEEVES. RGS SLEEVES SHALL EXTEND A MIN. OF 2' BEYOND THE ROADWAY CURB AND GUTTER.
10. EXISTING ROADWAY LIGHTING SHALL REMAIN OPERATIONAL UNTIL THE TIME CONSTRUCTION REQUIRES THE REMOVAL OF POLES OR LUMINAIRES.
11. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
12. ONLY CONDUIT WITH FEEDERS FOR LIGHT POLE CIRCUIT NOTED SHALL ENTER LIGHT POLE BASE. ALL OTHER CONDUITS SHALL BYPASS LIGHT POLE.
13. LIGHTING ITEMS FROM THE BEGINNING OF PROJECT TO HOLD ROAD SHALL CONSIST OF BLACK POWDER COAT FINISH. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

MODEL: Border File
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

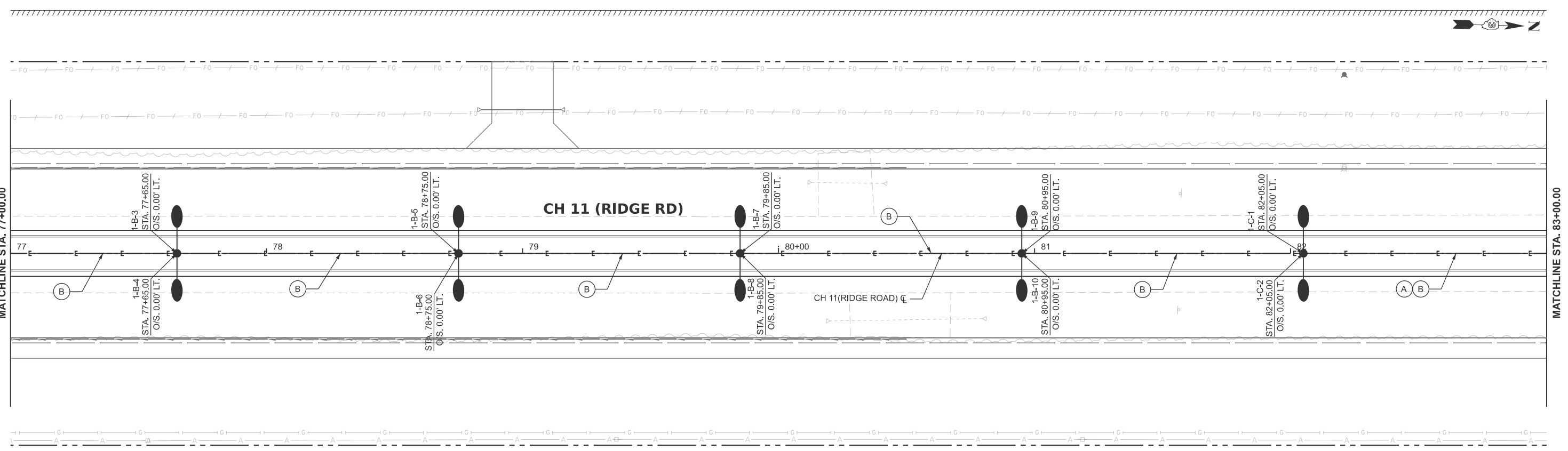
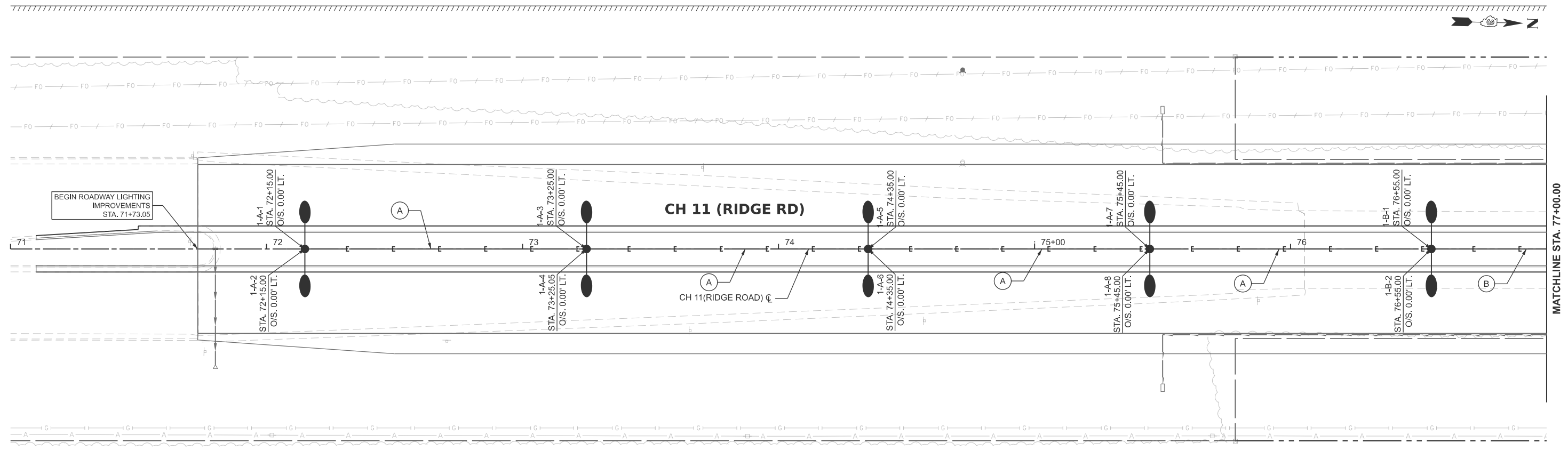
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/3/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
STREET LIGHTING GENERAL NOTES & SUMMARY OF QUANTITIES**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	258
CONTRACT NO. 87899				
		ILLINOIS	FED. AID PROJECT	



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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/3/2026	DATE -	REVISED -

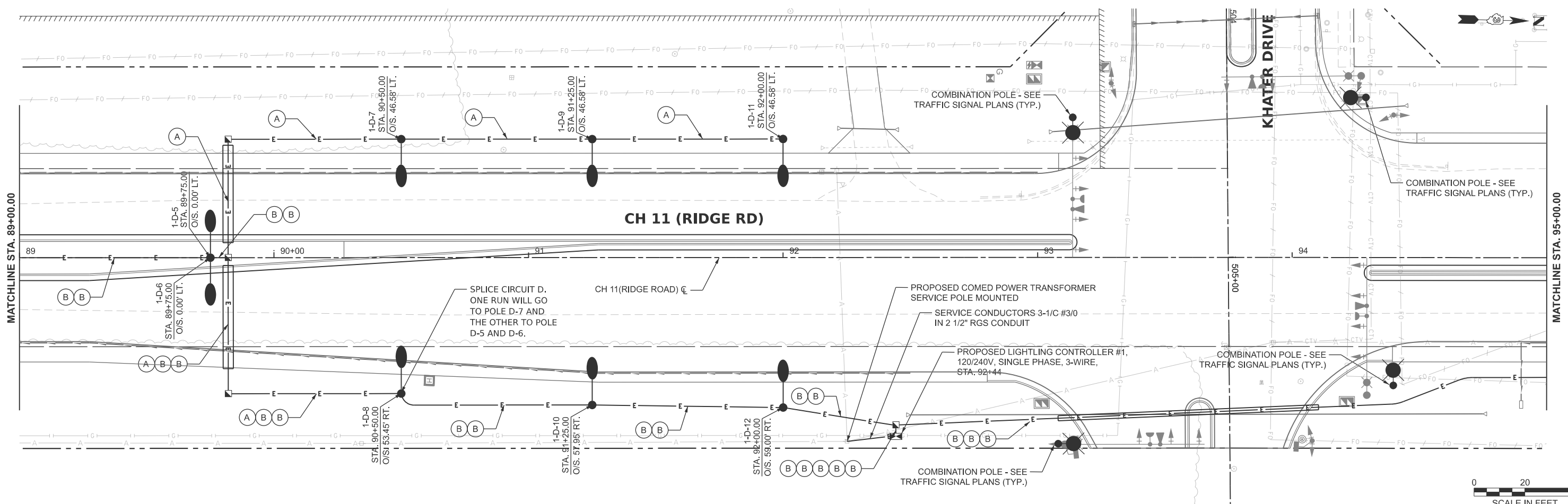
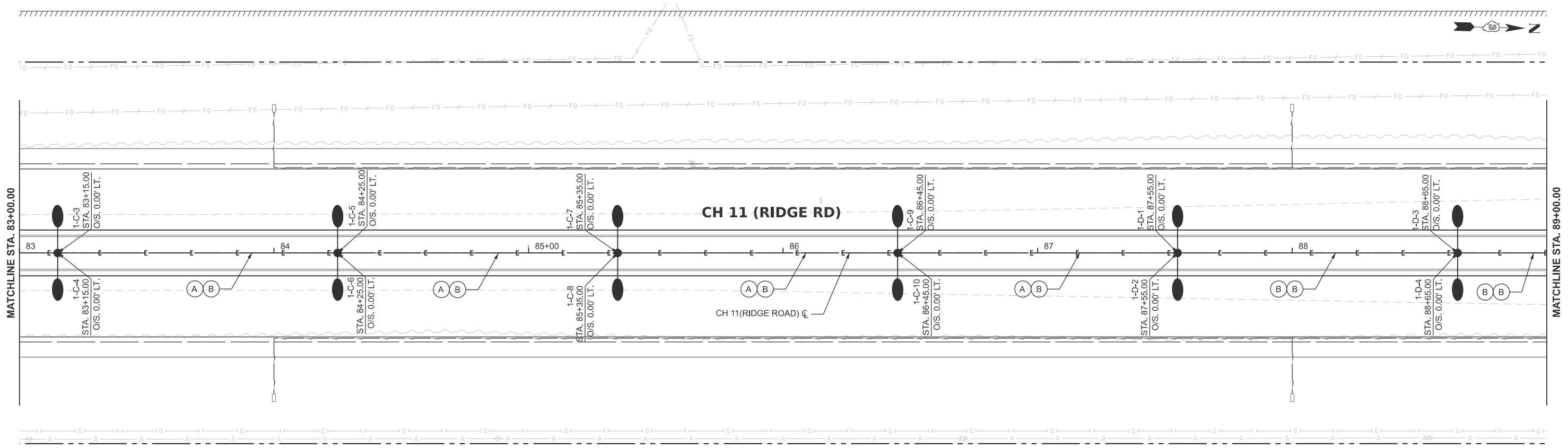
**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	259
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				





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 Woodridge, IL 60517
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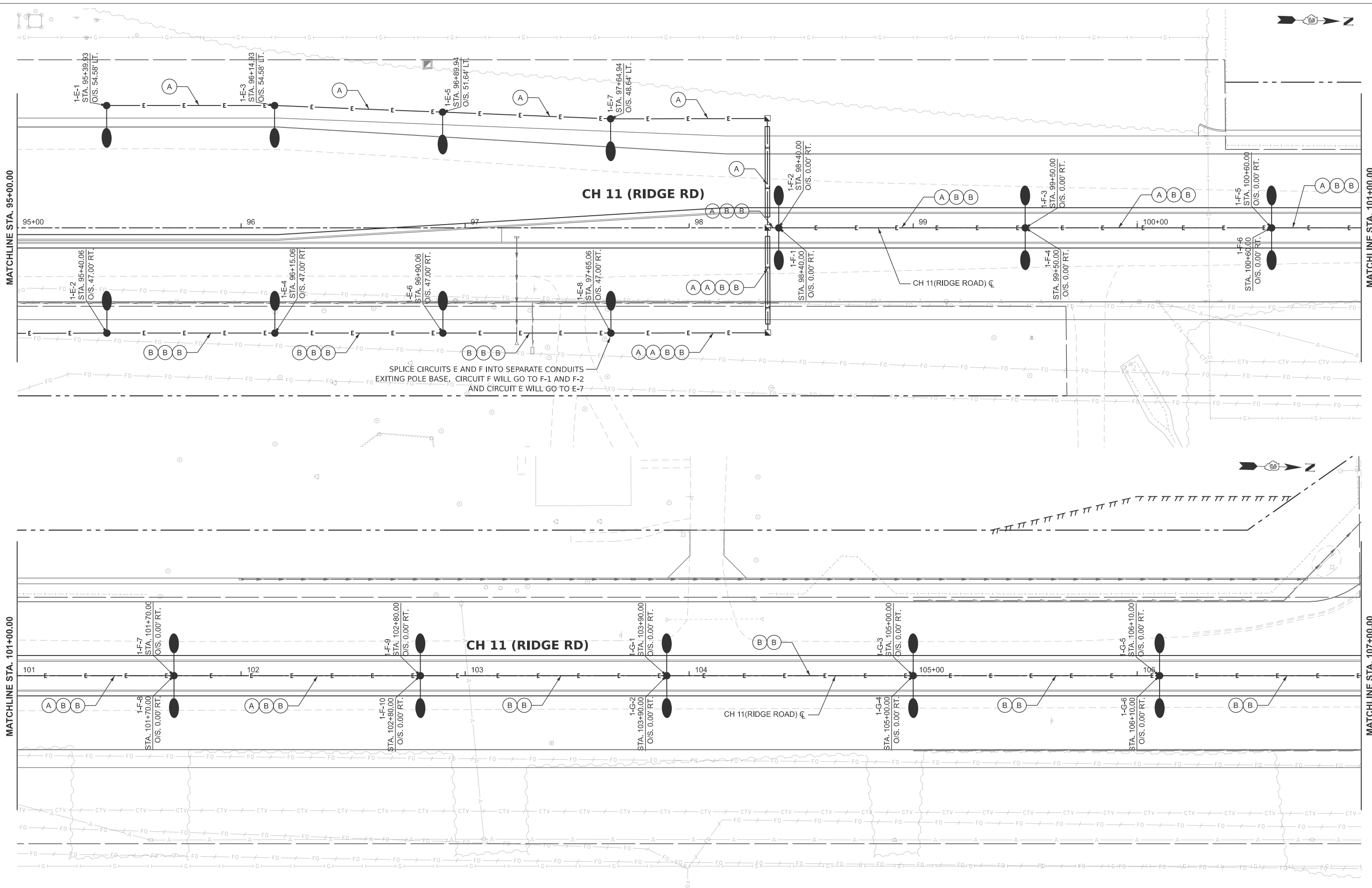
**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	260
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				





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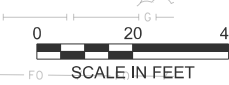
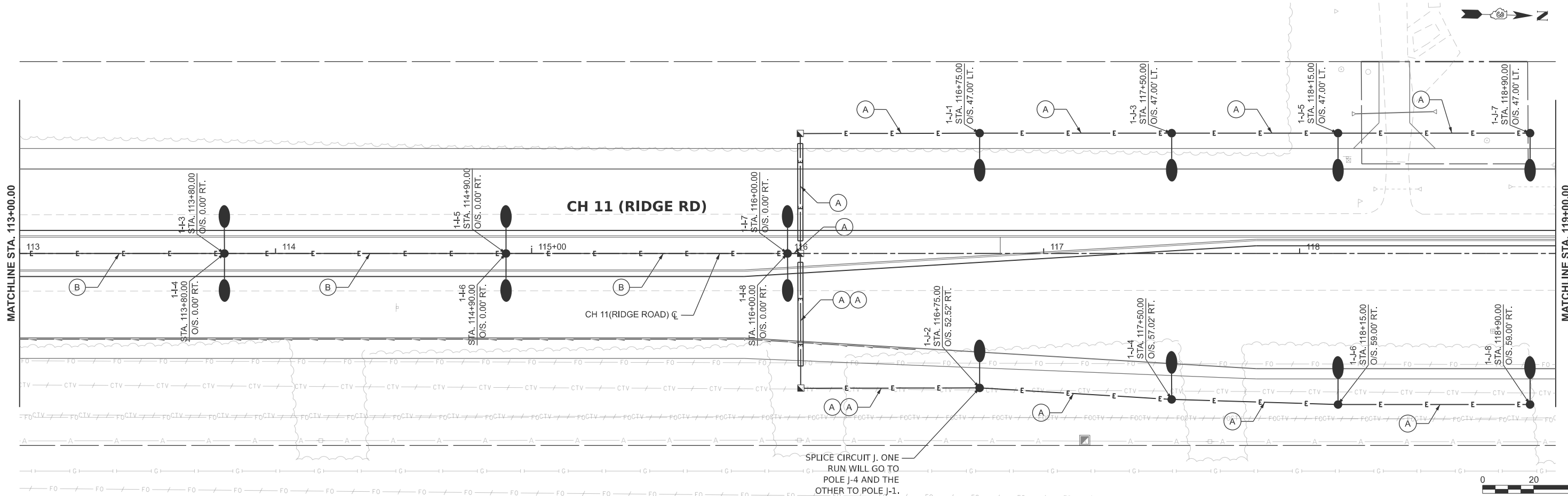
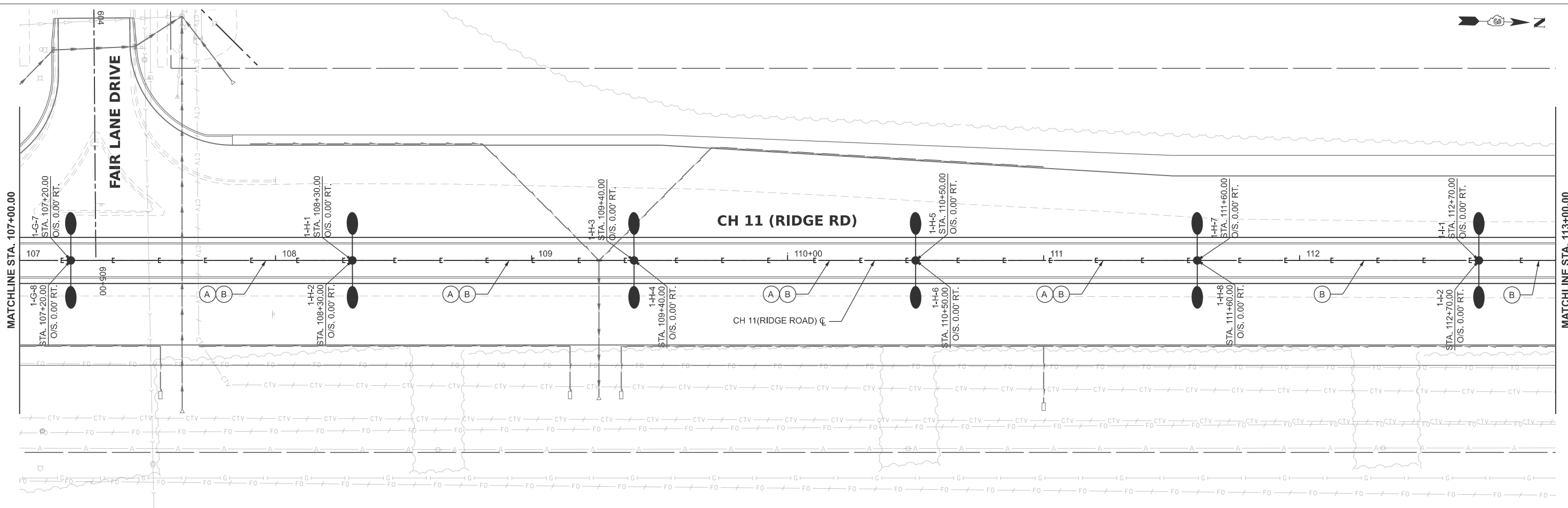
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PLOT DATE = 3/3/2026	DATE -	REVISED -

**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	261
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



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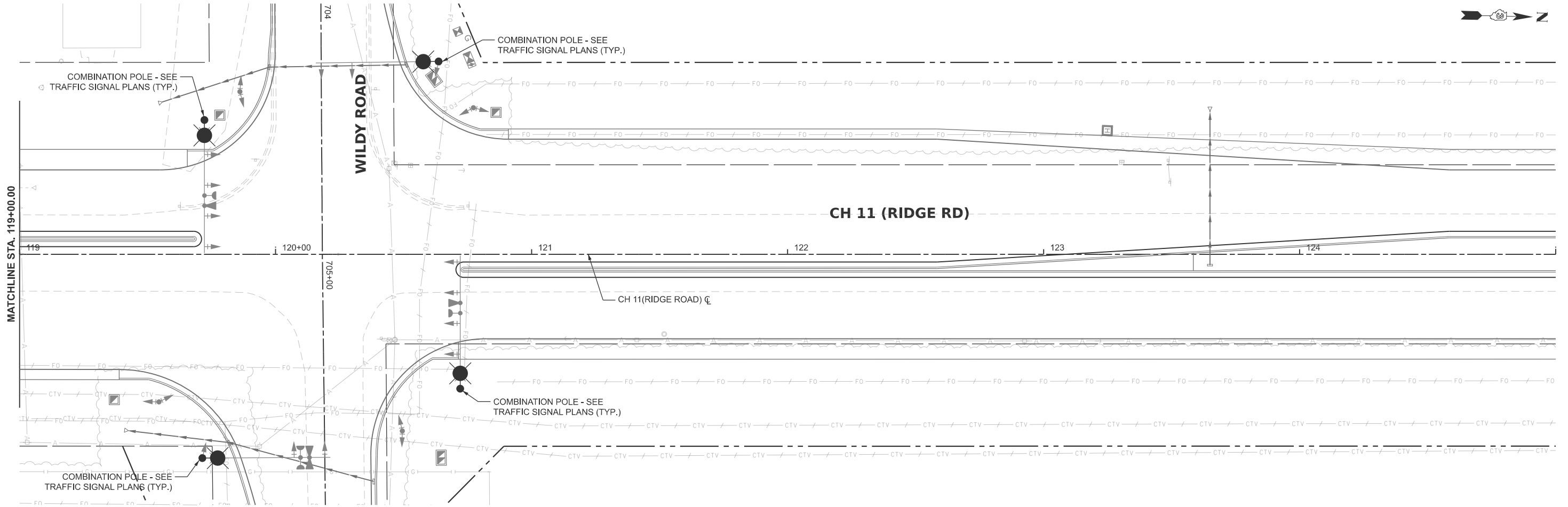
**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	262
CONTRACT NO. 87899				

ILLINOIS FED. AID PROJECT



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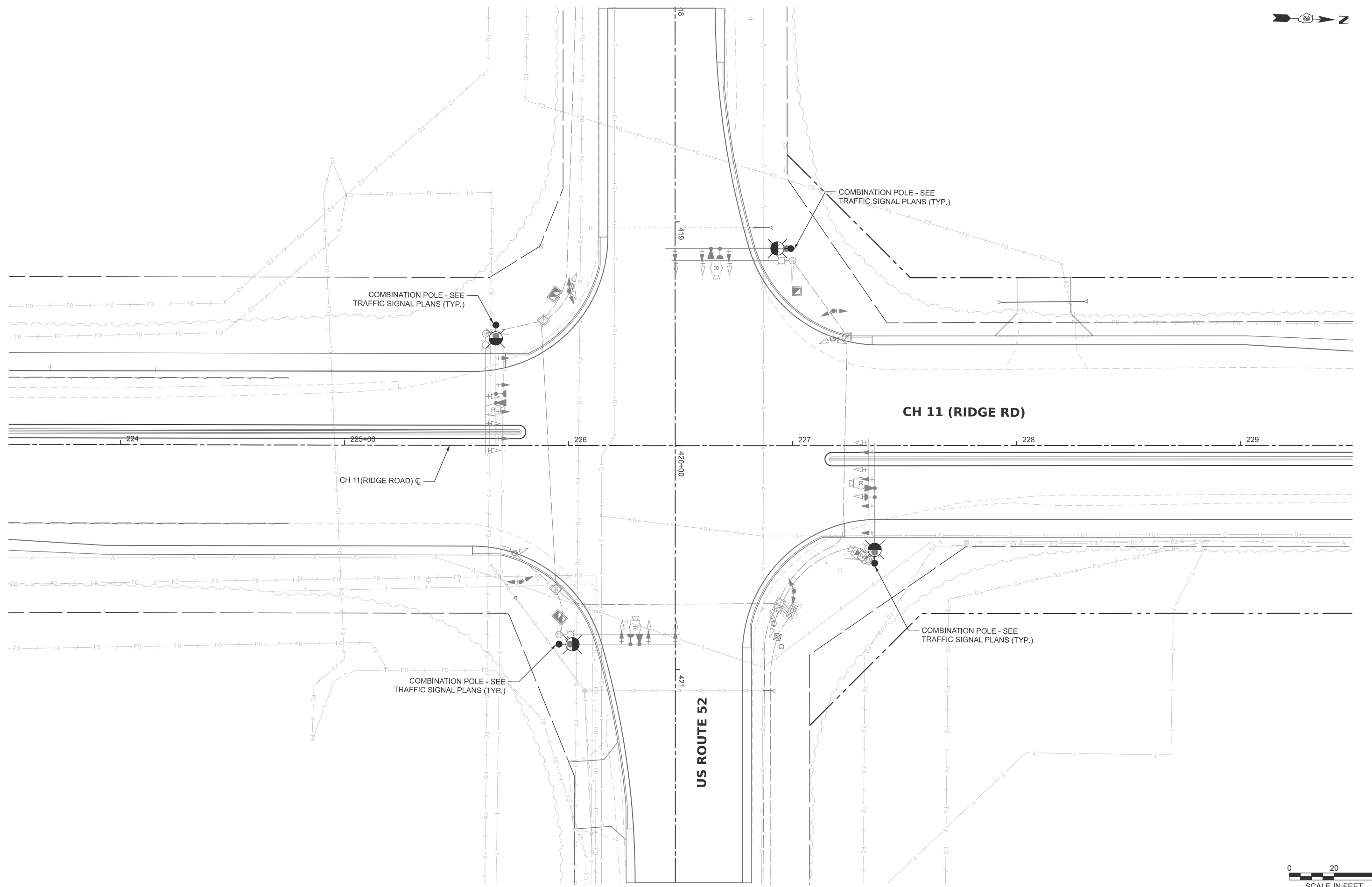
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**KENDALL COUNTY
HIGHWAY DEPARTMENT**

CH 11 (RIDGE RD) PROPOSED LIGHTING PLAN	
SCALE: 1"=20'	SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	263
CONTRACT NO. 87899				
		ILLINOIS	FED. AID PROJECT	





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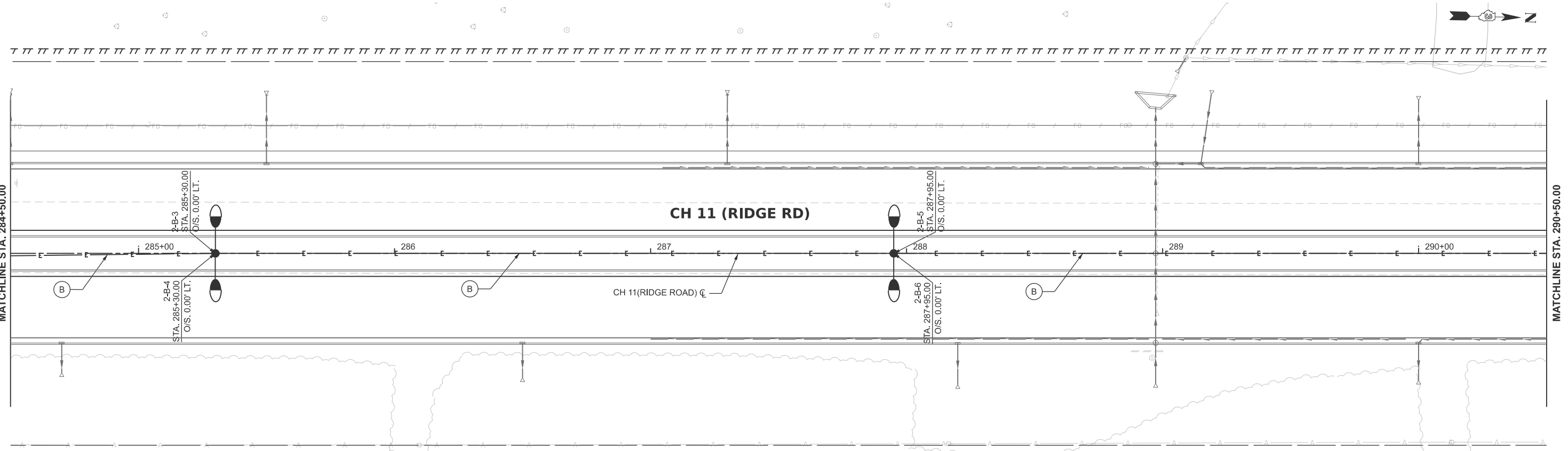
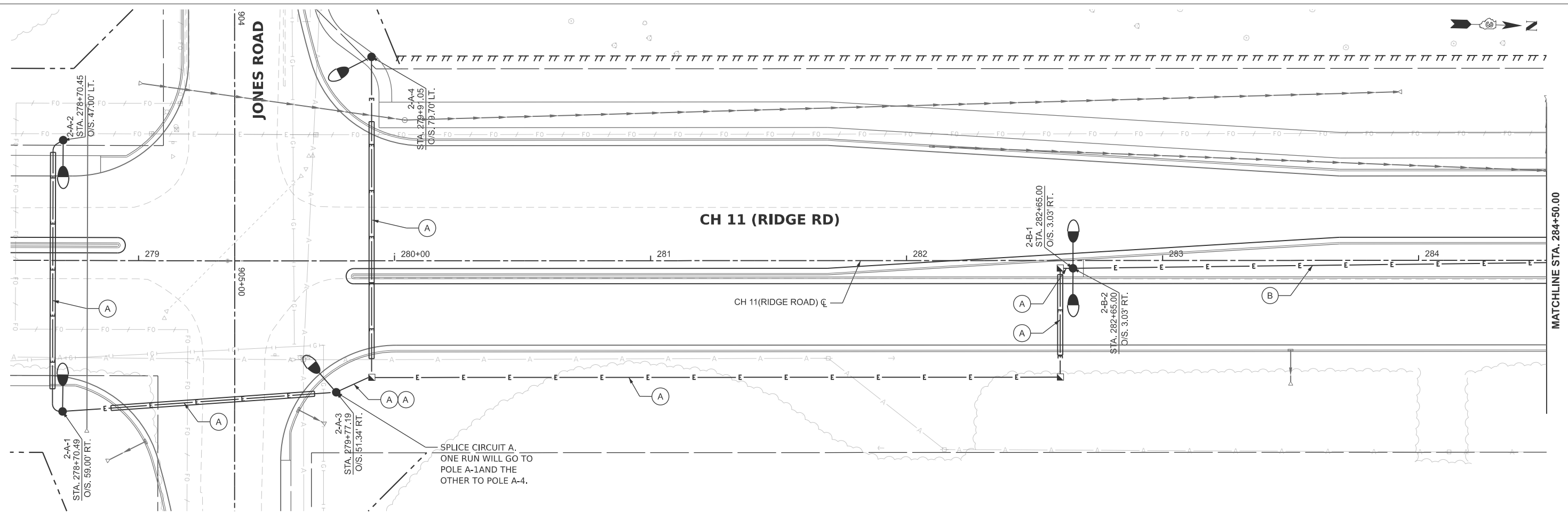
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**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	264
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 3/3/2026	DATE -	REVISED -

**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	265
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

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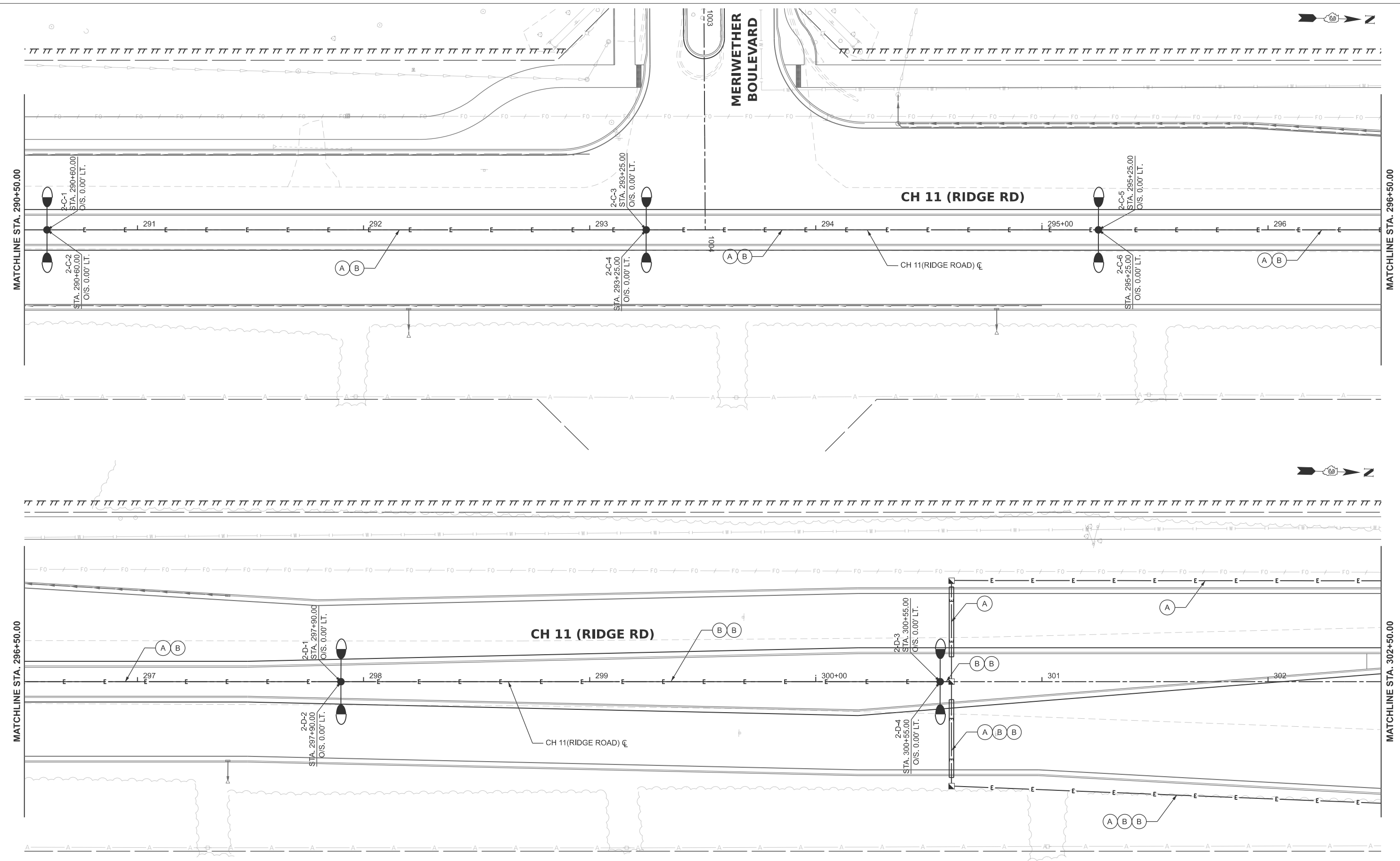
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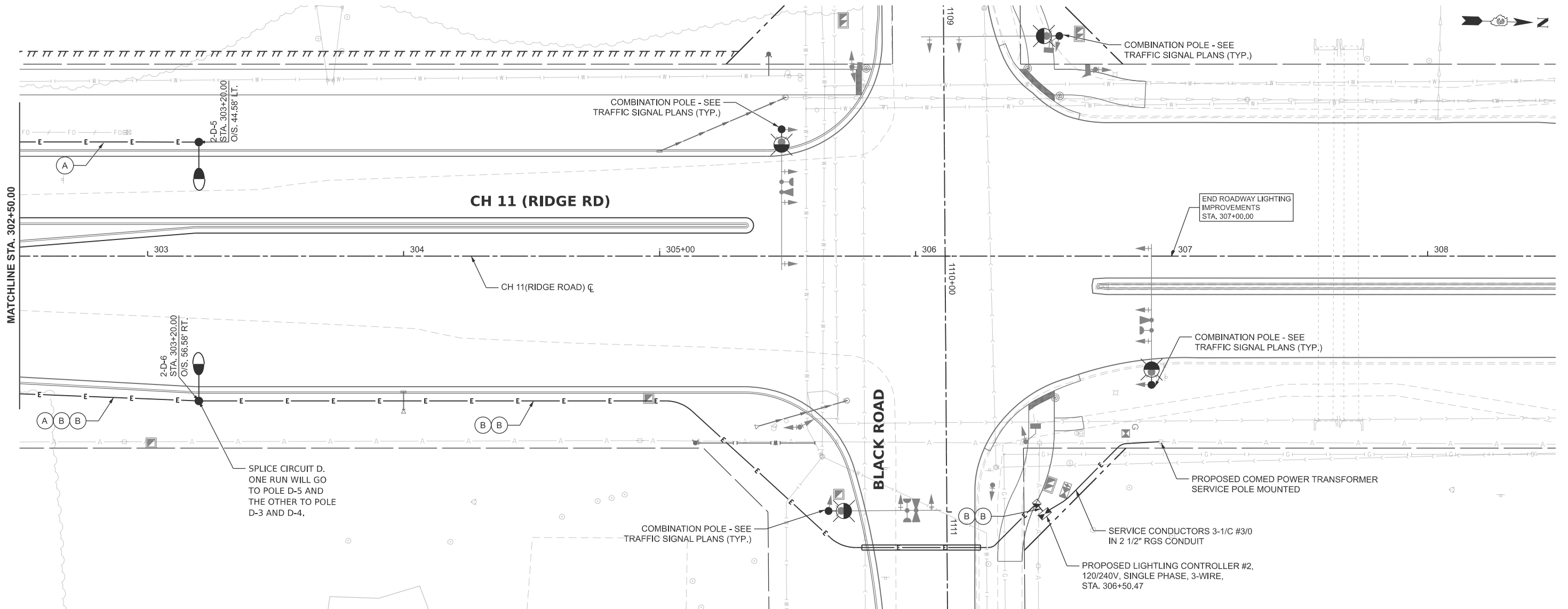
**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
 PROPOSED LIGHTING PLAN**

SCALE: 1"=20' SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	266
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				





MATCHLINE STA. 302+50.00

CH 11 (RIDGE RD)

CH 11(RIDGE ROAD) C

BLACK ROAD

END ROADWAY LIGHTING IMPROVEMENTS STA. 307+00.00

2-D-6
STA. 303+20.00
O/S. 56.58' RT.

SPLICE CIRCUIT D.
ONE RUN WILL GO TO POLE D-5 AND THE OTHER TO POLE D-3 AND D-4.

COMBINATION POLE - SEE TRAFFIC SIGNAL PLANS (TYP.)

COMBINATION POLE - SEE TRAFFIC SIGNAL PLANS (TYP.)

COMBINATION POLE - SEE TRAFFIC SIGNAL PLANS (TYP.)

COMBINATION POLE - SEE TRAFFIC SIGNAL PLANS (TYP.)

PROPOSED COMED POWER TRANSFORMER SERVICE POLE MOUNTED

SERVICE CONDUCTORS 3-1/C #3/0 IN 2 1/2" RGS CONDUIT

PROPOSED LIGHTLING CONTROLLER #2, 120/240V, SINGLE PHASE, 3-WIRE, STA. 306+50.47



SCALE IN FEET

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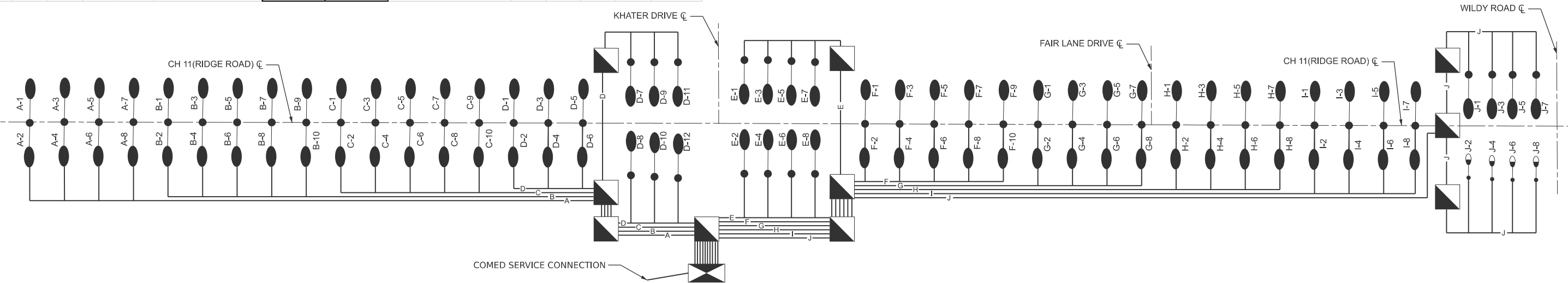
KENDALL COUNTY
HIGHWAY DEPARTMENT

CH 11 (RIDGE RD)
PROPOSED LIGHTING PLAN

SCALE: 1"=20' SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	267
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

PROPOSED PANEL SUMMARY															
Cabinet No.:	Street Lighting Controller #1 Main Panel										Voltage:	120/240V Single Phase			
Location:	Electrical Cabinet at Khater Drive/Ridge Road Intersection, Village of Minooka										Main	100 Amp.			
Circuit ID	Trip	Poles	Circuit Summary			Volt. Amp				Description	Circuit Summary				
			Volts	Lights	Description	#A	#B	Lights	Volts		Poles	Trip	Circuit ID		
1	30	2	240	8	Street Lighting Circuit A	392	490	392	490	Street Lighting Circuit F	10	240	2	30	2
3															4
5	30	2	240	10	Street Lighting Circuit B	490	392	490	392	Street Lighting Circuit G	8	240	2	30	6
7															8
9	30	2	240	10	Street Lighting Circuit C	490	392	490	392	Street Lighting Circuit H	8	240	2	30	10
11															12
13	30	2	240	12	Street Lighting Circuit D	588	392	588	392	Street Lighting Circuit I	8	240	2	30	14
15															16
17	30	2	240	8	Street Lighting Circuit E	392	392	392	392	Street Lighting Circuit J	8	240	2	30	18
19															20
21	SPARE					SPARE					SPARE				22
23	SPARE					SPARE					SPARE				24
25	SPARE					SPARE					SPARE				26
27	SPARE					SPARE					SPARE				28
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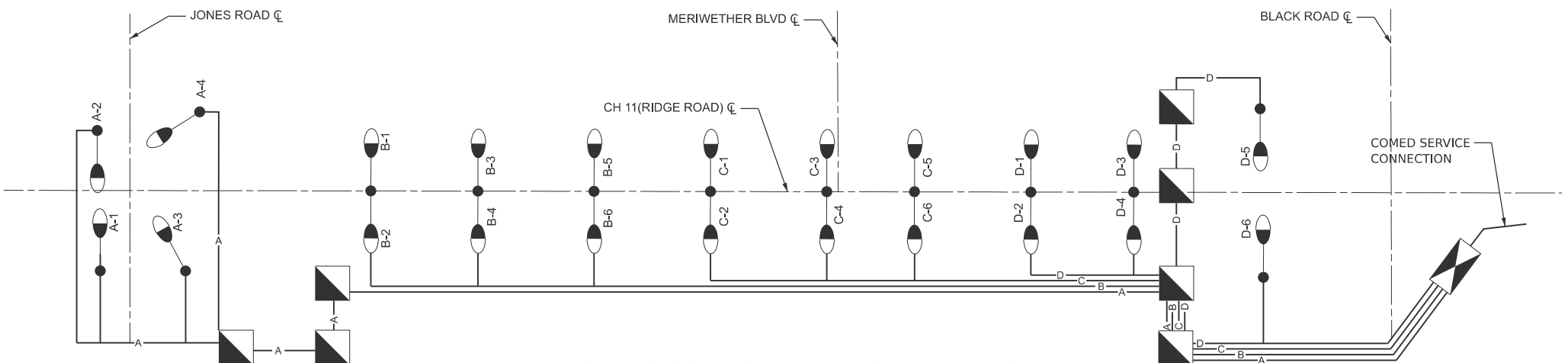


LIGHTING CONTROLLER 1 SINGLE LINE DIAGRAM
NOT TO SCALE

SHEET LEGEND

- PROPOSED LUMINAIRE, TYPE A (SPECIAL)
GE EVOLVE ERLH SERIES LED ROADWAY LUMINAIRE AND
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, BLACK
ALUMINUM LIGHT POLE, 25'-0" MOUNTING HEIGHT, 8' MAST ARM,
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- PROPOSED LUMINAIRE, TYPE A (SPECIAL)
GE EVOLVE ERLH SERIES LED ROADWAY LUMINAIRE AND
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, BLACK
ALUMINUM LIGHT POLE, 25'-0" MOUNTING HEIGHT, 8' MAST ARMS,
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- PROPOSED LUMINAIRE, TYPE C (SPECIAL)
LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, GRAY
ALUMINUM LIGHT POLE, 35'-0" MOUNTING HEIGHT, 12' MAST ARM
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- PROPOSED LUMINAIRE, TYPE C (SPECIAL)
LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE
TYPE III MEDIUM DISTRIBUTION, 240V, 4000K, GRAY
ALUMINUM LIGHT POLE, 35'-0" MOUNTING HEIGHT, 12' MAST ARMS
ON 24" CONCRETE FOUNDATION WITH GROUND ROD
- PROPOSED 24" X 24" COMPOSITE CONCRETE HANDHOLE
- 120/240V STREET LIGHTING CONTROLLER, SINGLE PHASE, BASE MOUNTED
- XX-XX
CIRCUIT DESIGNATION - LIGHT POLE DESIGNATION

PROPOSED PANEL SUMMARY															
Cabinet No.:	Street Lighting Controller #2 Main Panel										Voltage:	120/240V Single Phase			
Location:	Electrical Cabinet at Black Road/Ridge Road Intersection, City of Joliet										Main	100 Amp.			
Circuit ID	Trip	Poles	Circuit Summary			Volt. Amp				Description	Circuit Summary				
			Volts	Lights	Description	#A	#B	Lights	Volts		Poles	Trip	Circuit ID		
1	30	2	240	4	Street Lighting Circuit A	360	540	360	540	Street Lighting Circuit C	6	240	2	30	2
3															4
5	30	2	240	6	Street Lighting Circuit B	540	540	540	540	Street Lighting Circuit D	6	240	2	30	6
7															8
9	SPARE					SPARE					SPARE				10
11	SPARE					SPARE					SPARE				12
13	SPARE					SPARE					SPARE				14
15	SPARE					SPARE					SPARE				16
17	SPARE					SPARE					SPARE				18
19	SPARE					SPARE					SPARE				20
						900	1080	900	1080						
						1980		1980							



LIGHTING CONTROLLER 2 SINGLE LINE DIAGRAM
NOT TO SCALE

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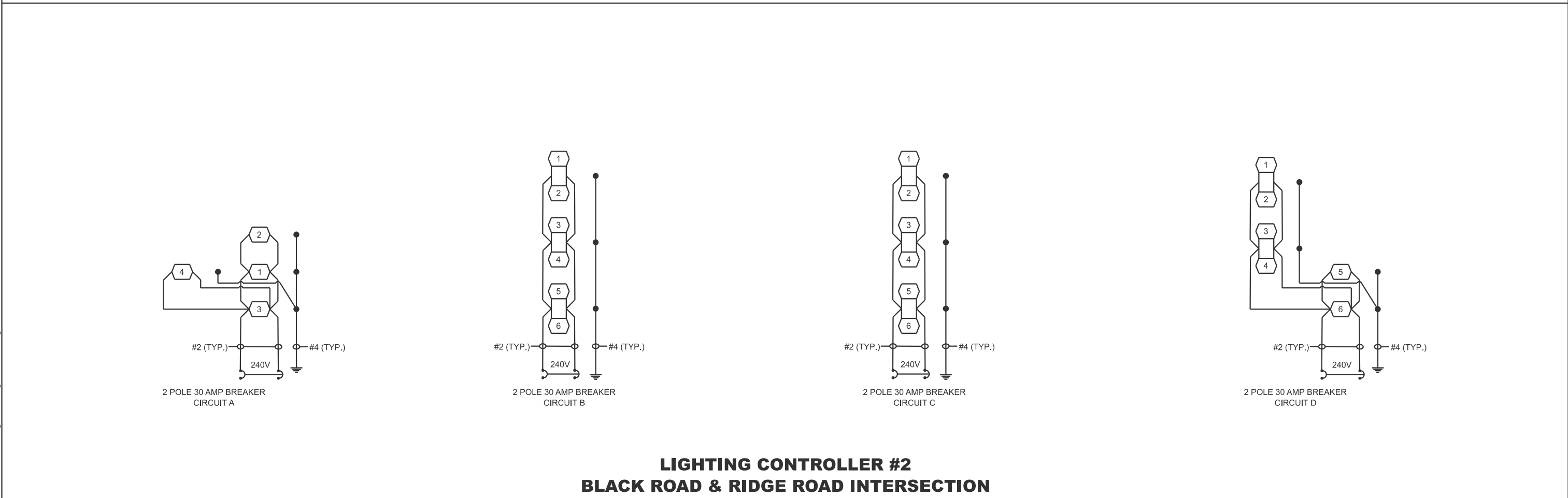
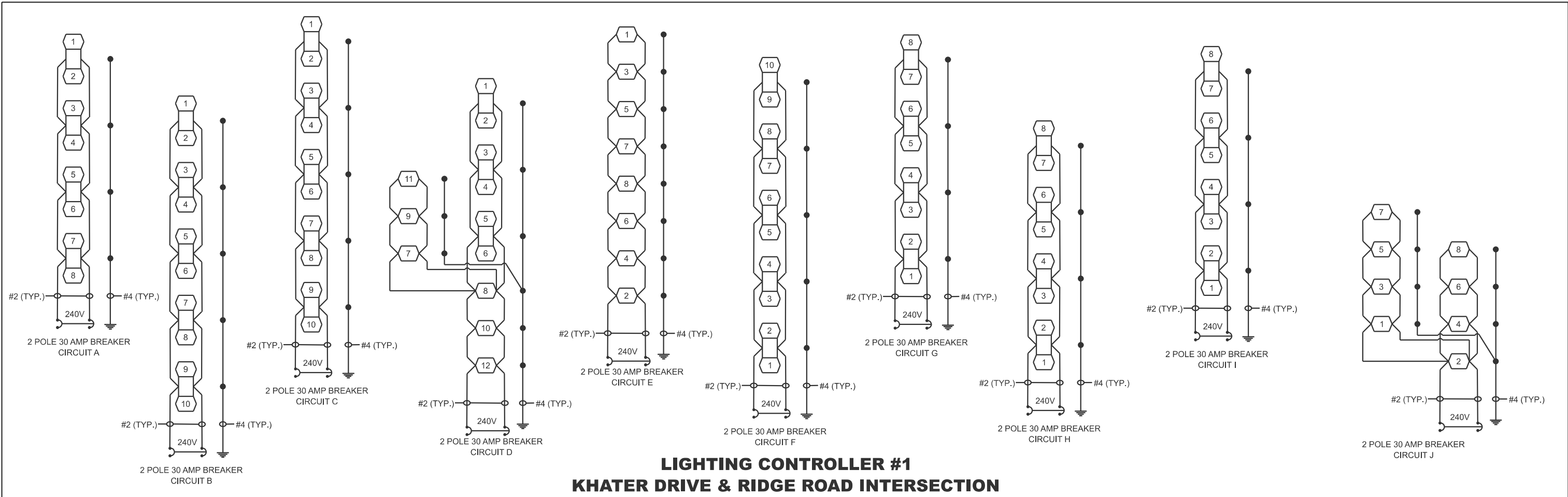


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**KENDALL COUNTY
HIGHWAY DEPARTMENT**

CH 11 (RIDGE RD) LIGHTING ONE LINE DIAGRAM			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	268
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



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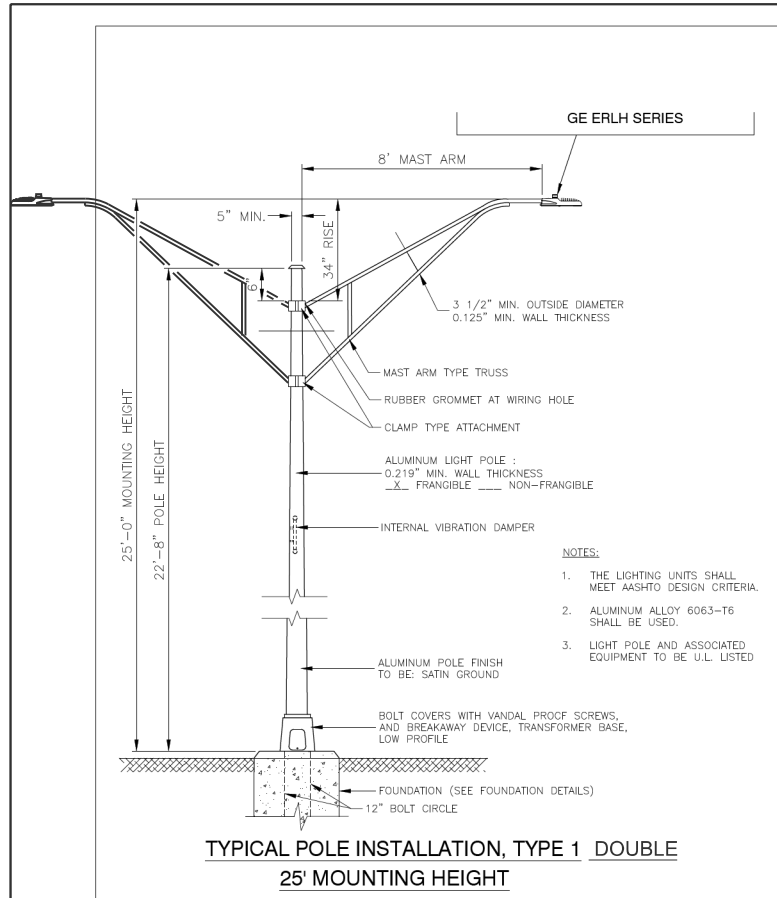
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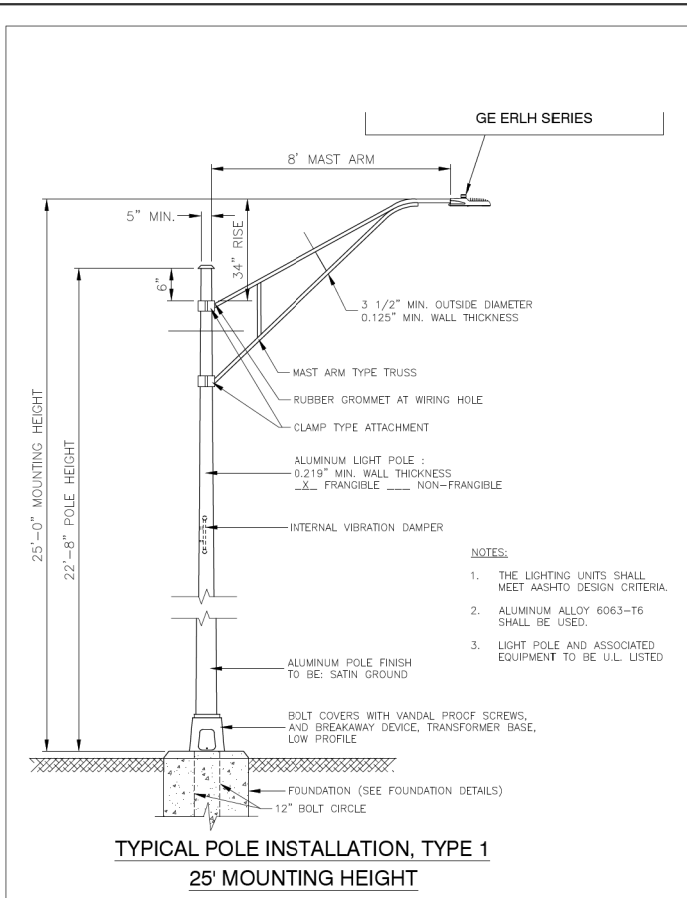
KENDALL COUNTY
HIGHWAY DEPARTMENT

CH 11 (RIDGE RD)	
WIRING DIAGRAMS	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	269
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

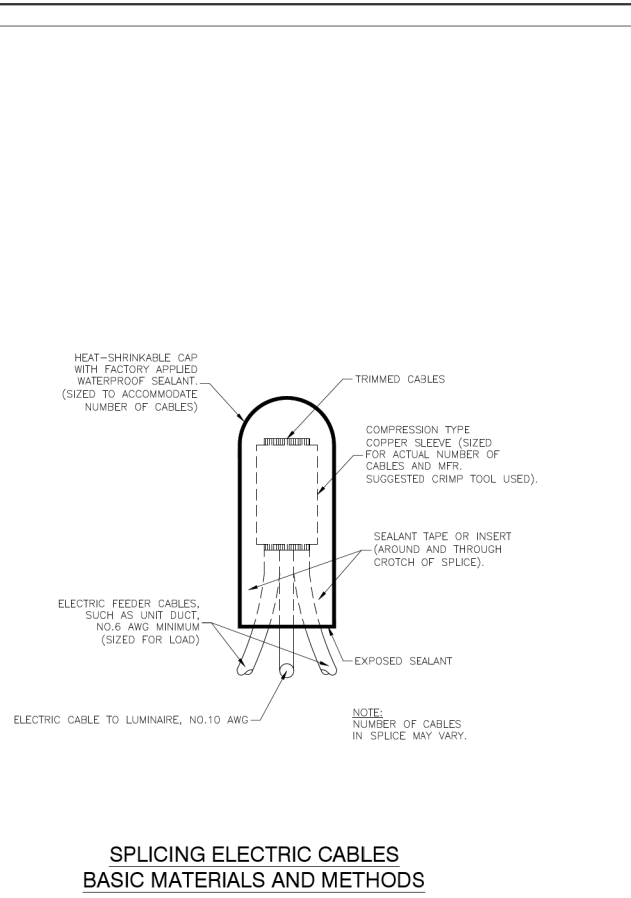


**TYPICAL POLE INSTALLATION, TYPE 1 DOUBLE
25' MOUNTING HEIGHT**



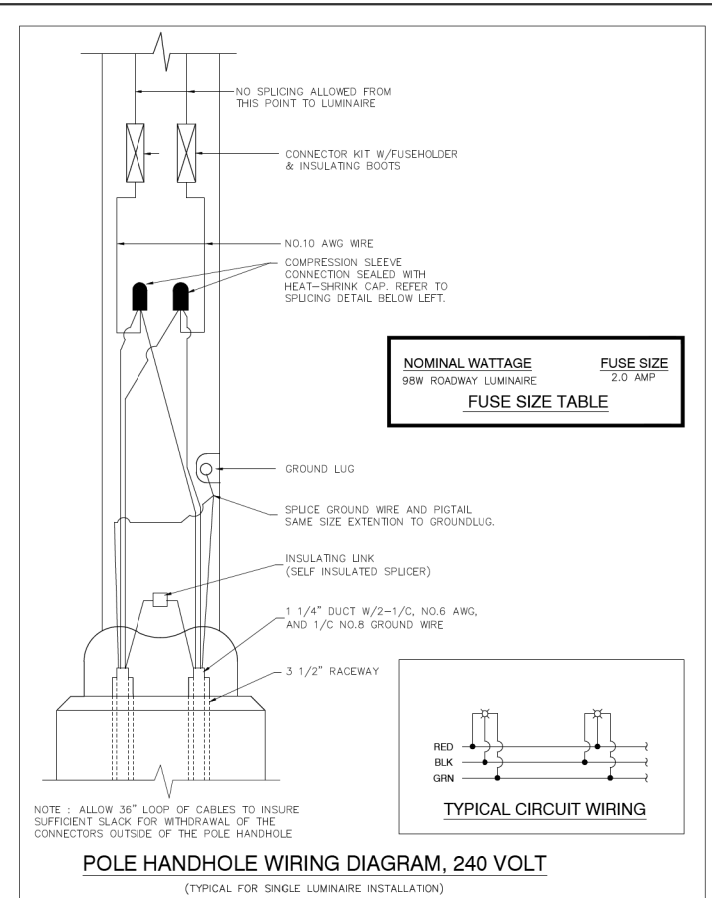
**TYPICAL POLE INSTALLATION, TYPE 1
25' MOUNTING HEIGHT**

VILLAGE OF MINOOKA
STANDARD DETAIL



**SPLICING ELECTRIC CABLES
BASIC MATERIALS AND METHODS**

VILLAGE OF MINOOKA
STANDARD DETAIL

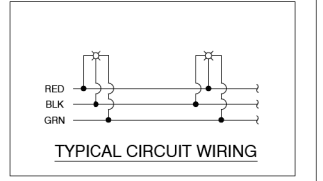


POLE HANDHOLE WIRING DIAGRAM, 240 VOLT

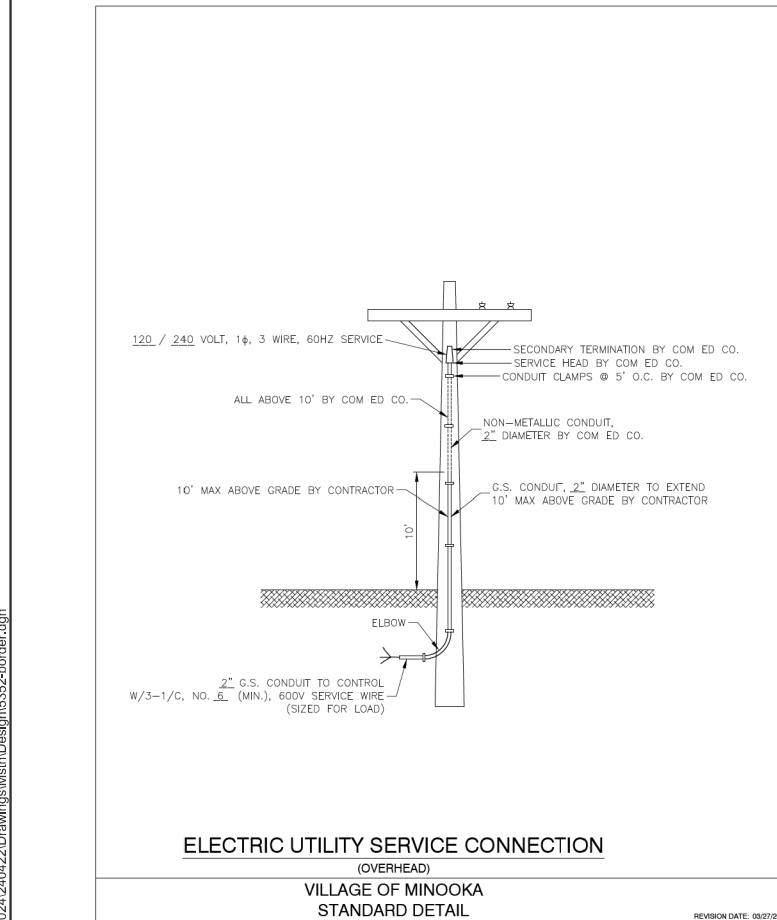
VILLAGE OF MINOOKA
STANDARD DETAIL

NOMINAL WATTAGE	FUSE SIZE
98W ROADWAY LUMINAIRE	2.0 AMP

FUSE SIZE TABLE

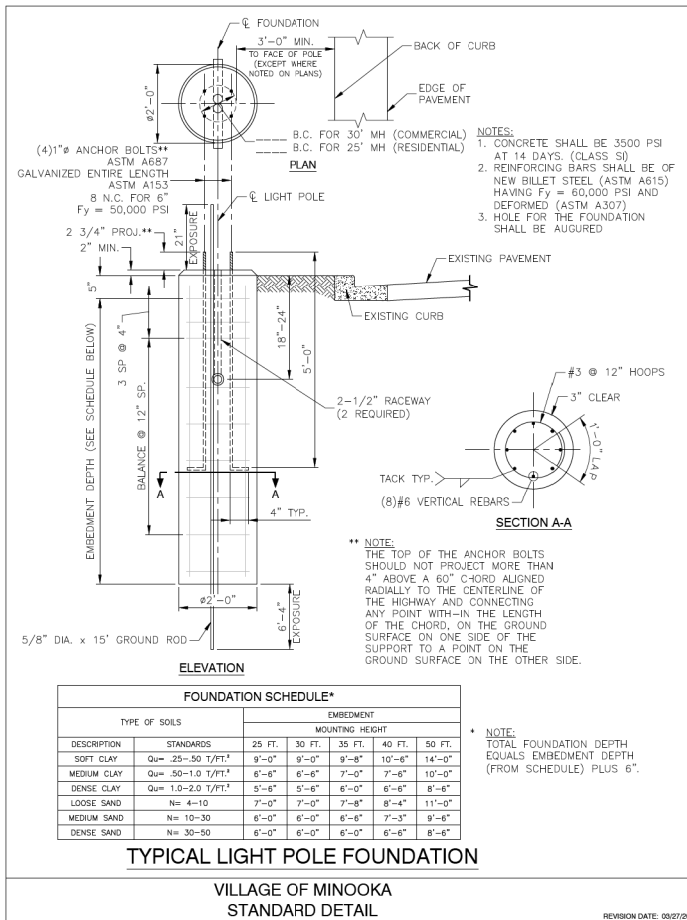


TYPICAL CIRCUIT WIRING



**ELECTRIC UTILITY SERVICE CONNECTION
(OVERHEAD)**

VILLAGE OF MINOOKA
STANDARD DETAIL

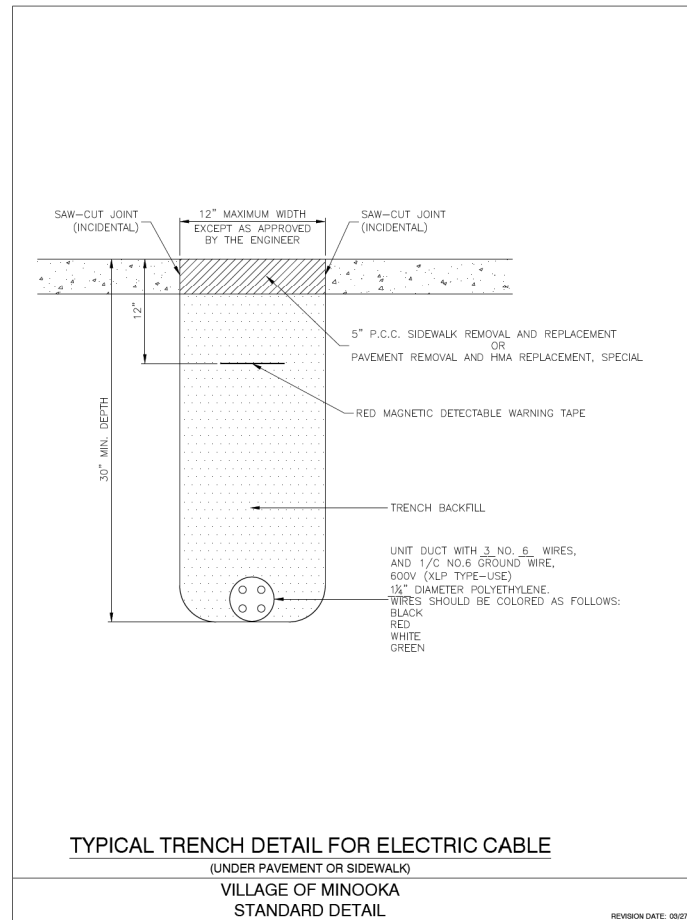


TYPICAL LIGHT POLE FOUNDATION

VILLAGE OF MINOOKA
STANDARD DETAIL

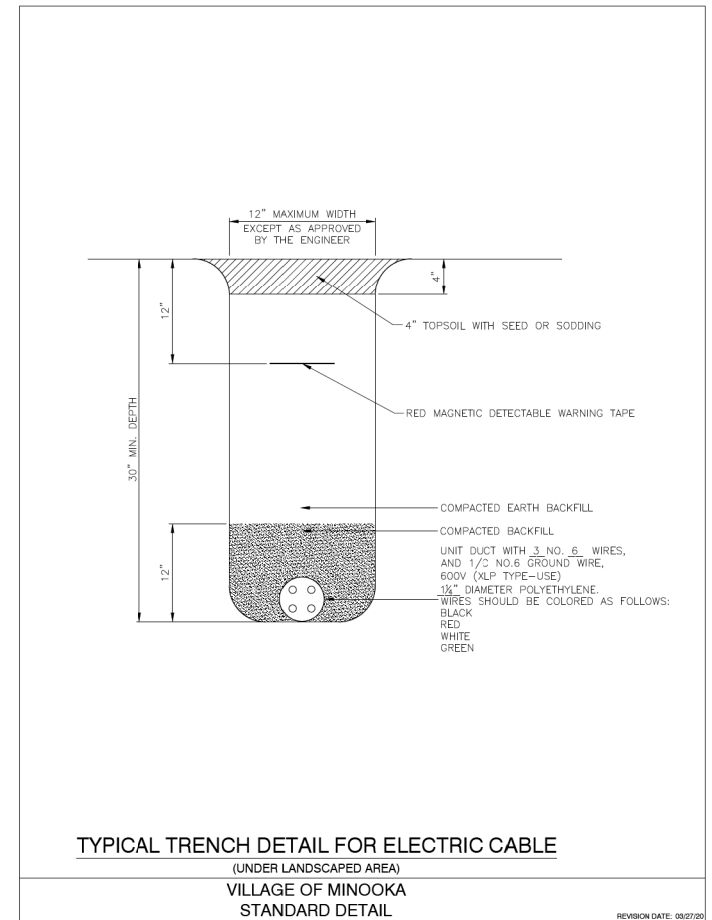
TYPE OF SOILS	STANDARDS	EMBEDMENT MOUNTING HEIGHT				
		25 FT.	30 FT.	35 FT.	40 FT.	50 FT.
SOFT CLAY	Q _u = 25-50 T/FT ²	9'-0"	9'-0"	9'-8"	10'-6"	14'-0"
MEDIUM CLAY	Q _u = 50-1.0 T/FT ²	6'-8"	6'-8"	7'-0"	7'-6"	10'-0"
DENSE CLAY	Q _u = 1.0-2.0 T/FT ²	5'-8"	5'-8"	6'-0"	6'-6"	8'-6"
LOOSE SAND	N ₆₀ = 4-10	7'-0"	7'-0"	7'-8"	8'-4"	11'-0"
MEDIUM SAND	N ₆₀ = 10-30	6'-0"	6'-0"	6'-8"	7'-3"	9'-4"
DENSE SAND	N ₆₀ = 30-50	6'-0"	6'-0"	6'-0"	6'-6"	8'-8"

NOTE: TOTAL FOUNDATION DEPTH EQUALS EMBEDMENT DEPTH (FROM SCHEDULE) PLUS 6".



**TYPICAL TRENCH DETAIL FOR ELECTRIC CABLE
(UNDER PAVEMENT OR SIDEWALK)**

VILLAGE OF MINOOKA
STANDARD DETAIL



**TYPICAL TRENCH DETAIL FOR ELECTRIC CABLE
(UNDER LANDSCAPED AREA)**

VILLAGE OF MINOOKA
STANDARD DETAIL

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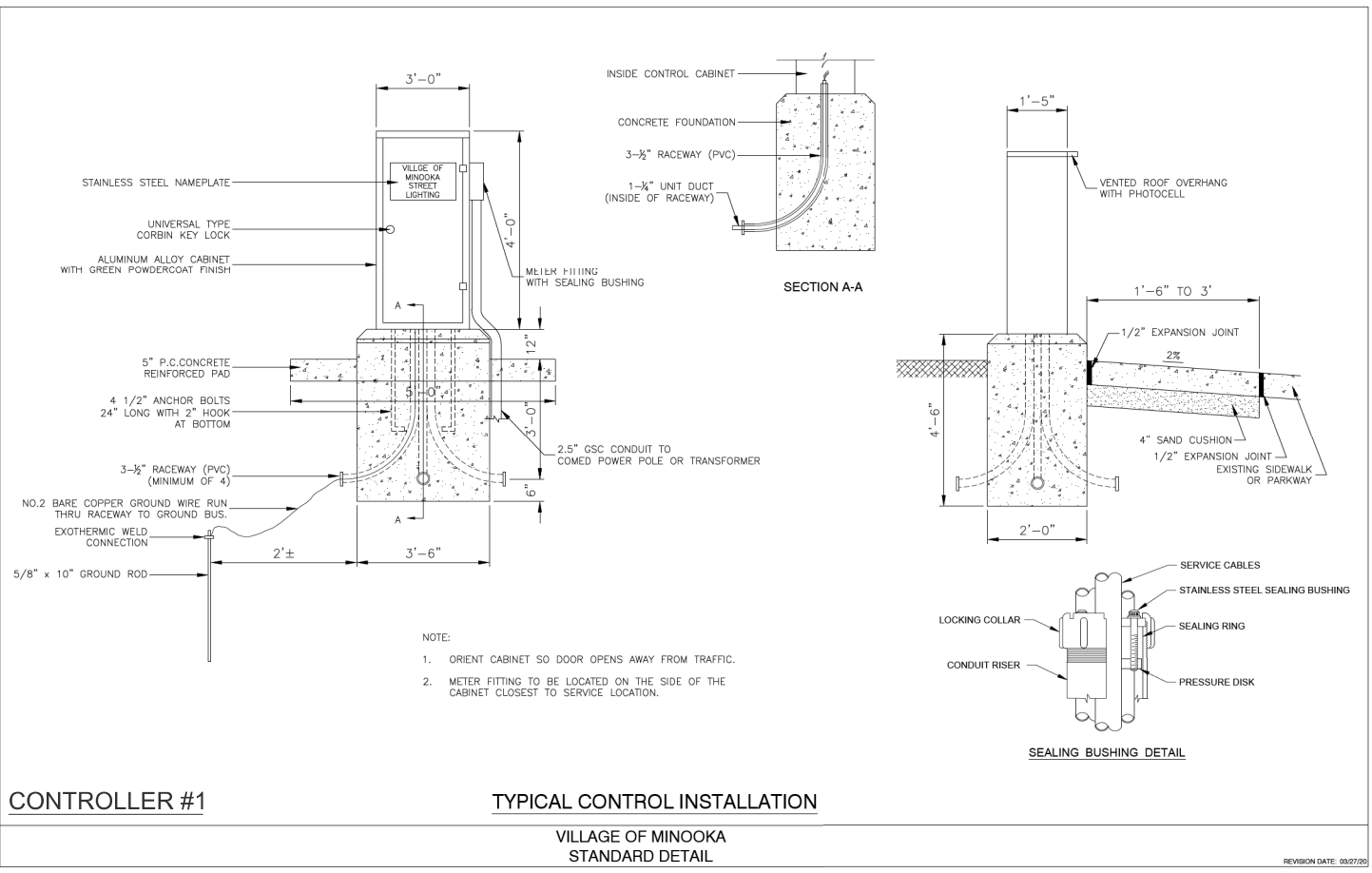
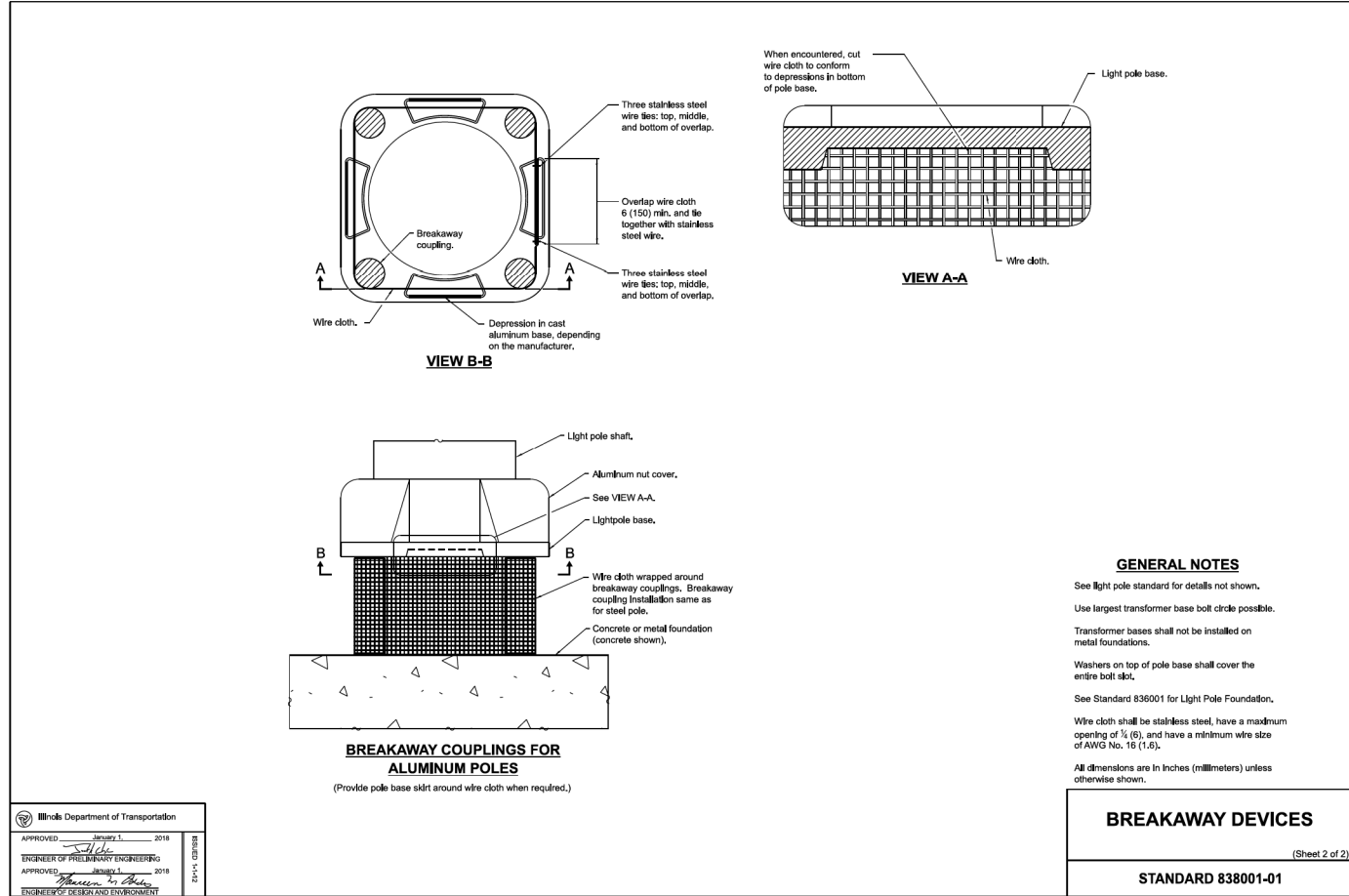
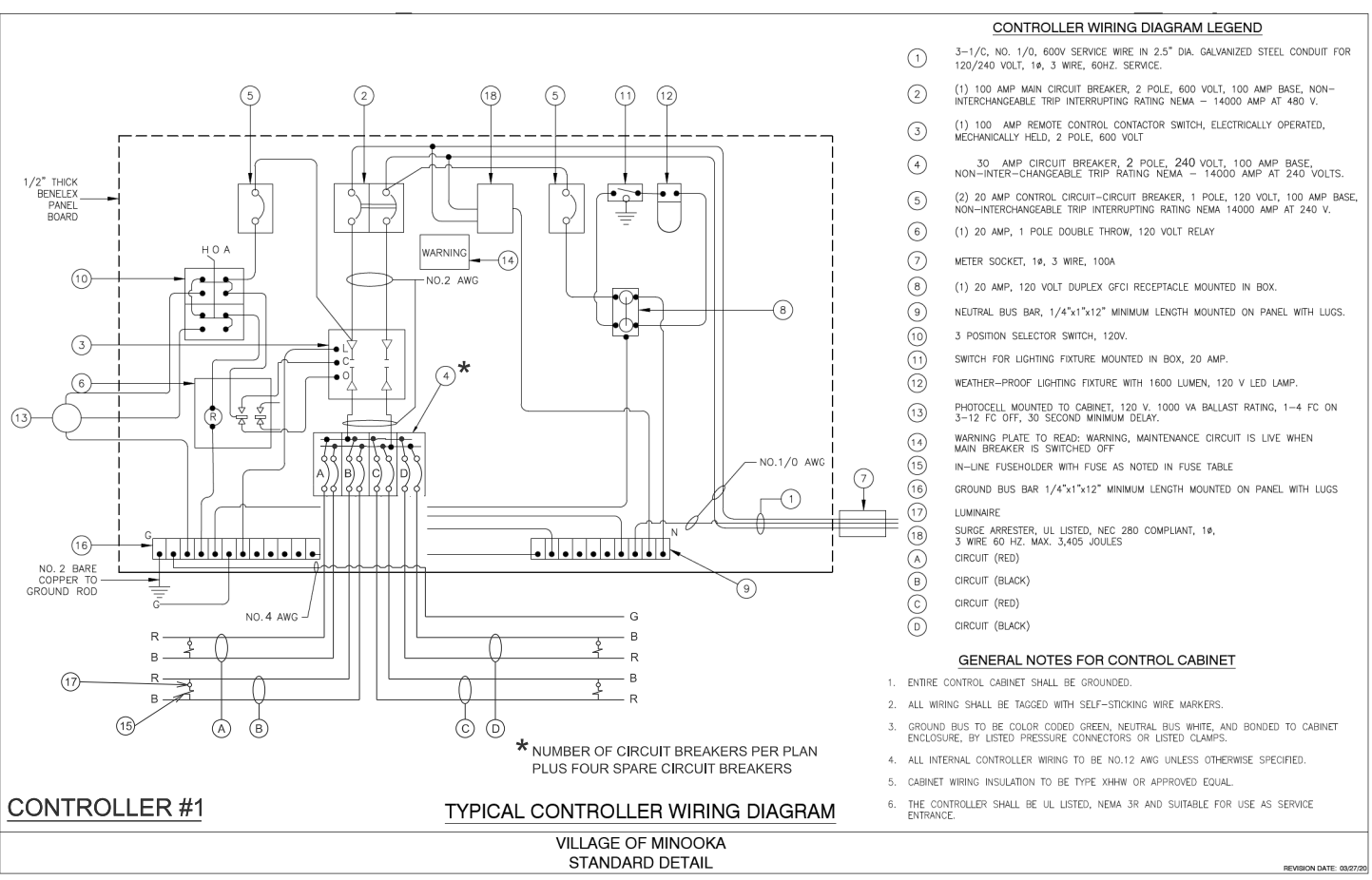
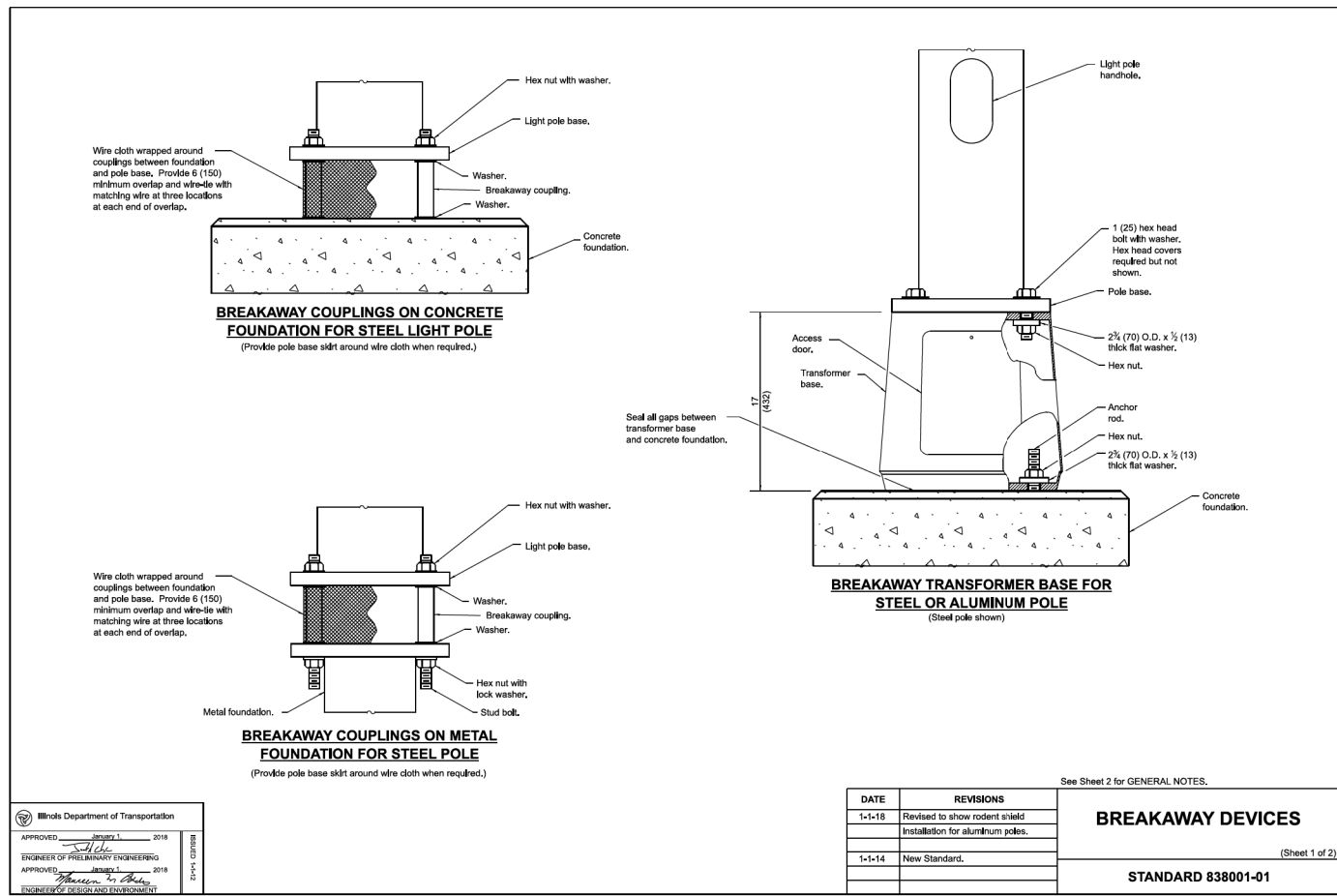
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**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
HOLT ROAD TO WILDY ROAD LIGHTING DETAILS**

SCALE: NONE SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	270
CONTRACT NO. 87899				
ILLINOIS		FED. AID PROJECT		



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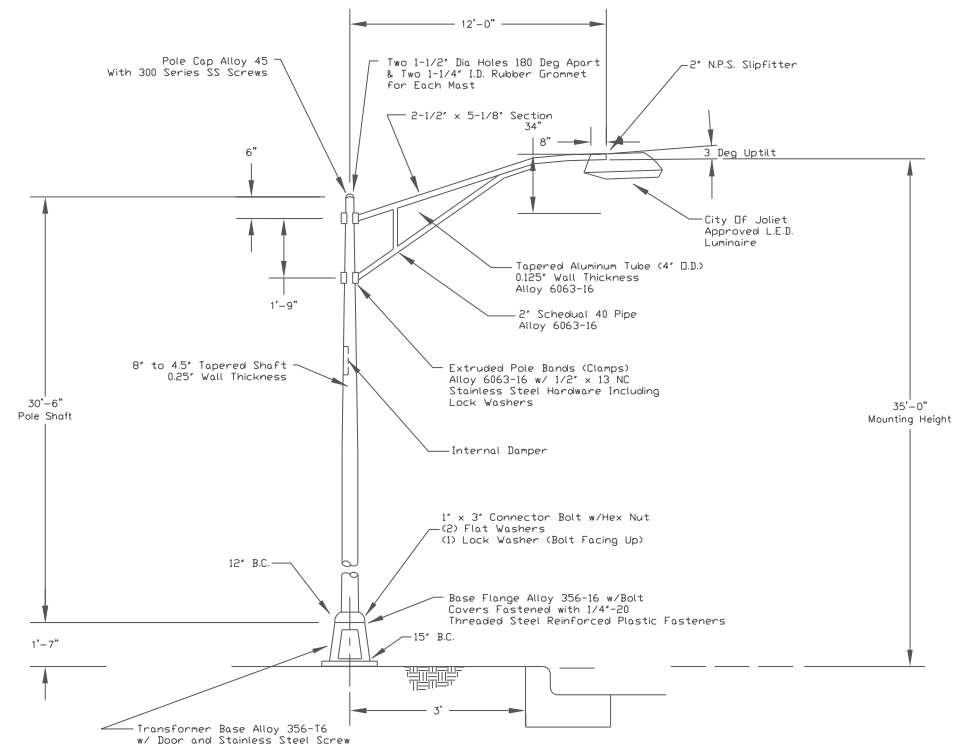


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PLOT DATE = 3/3/2026	DATE -	REVISED -

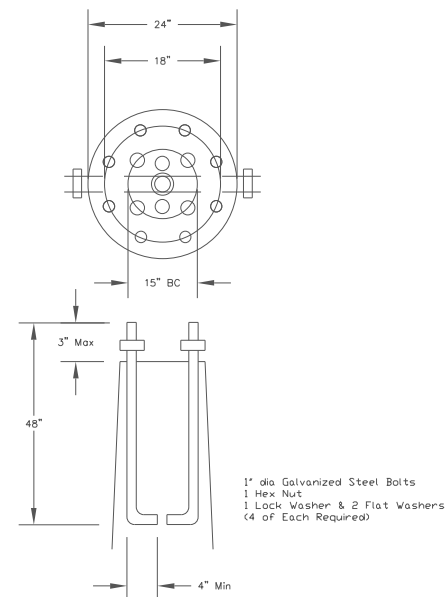
KENDALL COUNTY
HIGHWAY DEPARTMENT

SCALE: NONE	SHEET 4	OF 6	SHEETS	STA.	TO STA.
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F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	271
CONTRACT NO. 87899				
ILLINOIS		FED. AID PROJECT		



STREET LIGHT DETAIL
NO SCALE



ANCHORS BOLTS
NO SCALE

GENERAL NOTES

The contractor shall submit detailed shop drawings or catalog cuts for all equipment & materials to the City of Joliet for approval prior to fabrication or installation. Failure to submit and approve material may result in unaccepted work and/or reinstallation.

The streetlight system shall be installed in accordance to the most current edition of the National Electric Code®, "AASHTO", and the standard specifications for road and bridge construction.

All conductors shall be copper with an XLP/USE insulation rating.

The contractor shall provide the service connection & meter assembly for Commonwealth Edison. All coordination shall be the responsibility of the contractor.

The electrical meter shall be installed on the side of the controller opposite that of oncoming traffic.

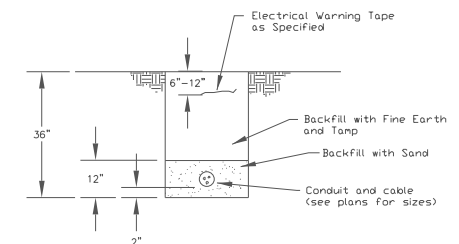
Two raceways or conduits shall be provided for each streetlight foundation. A junction of three raceways or conduits shall utilize a handhole.

Prior to beginning construction, the contractor shall contact the City of Joliet Traffic Engineer at (815)724-4200 to arrange an onsite project meeting. Confirmation of All approved materials and addressing any final questions shall take place at this time.

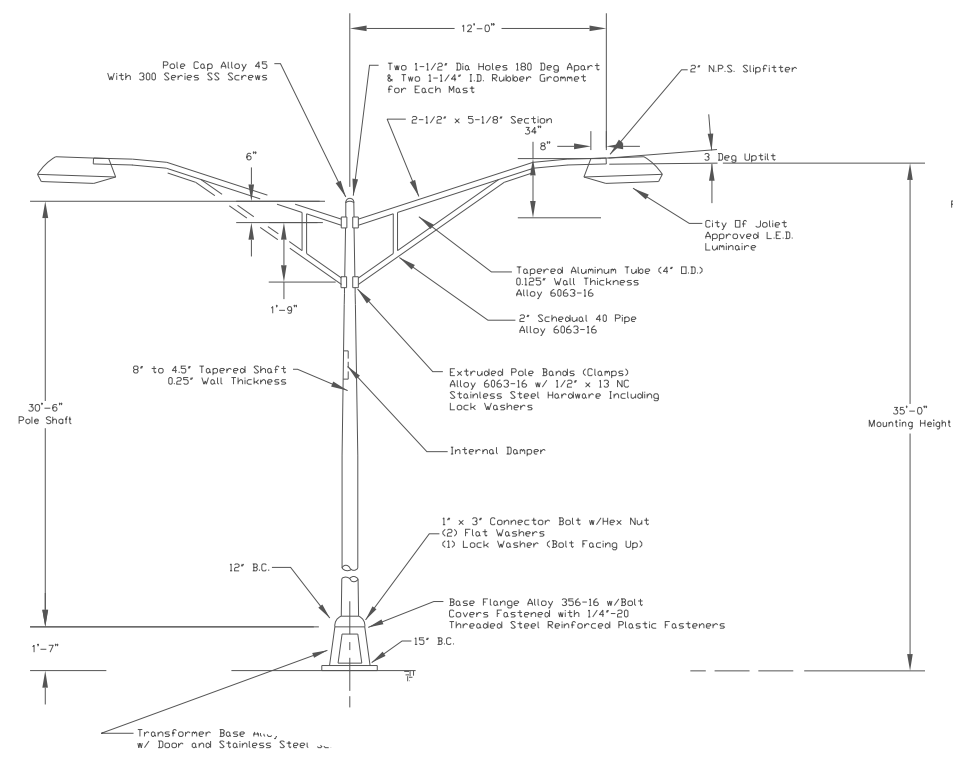
Foundation inspections will be required prior to pouring concrete.

All conduit between the streetlight controller and the service connection shall be rigid galvanized steel conduit.

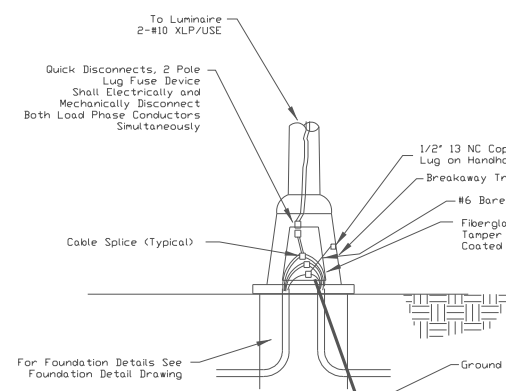
Waterproof inline fuses (5Amp) are to be installed at the streetlight transformer base.



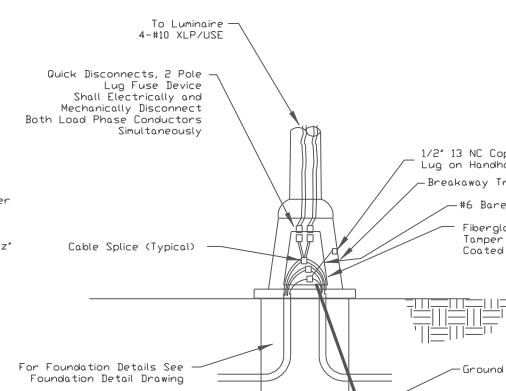
DETAIL CONDUIT & CONDUCTORS



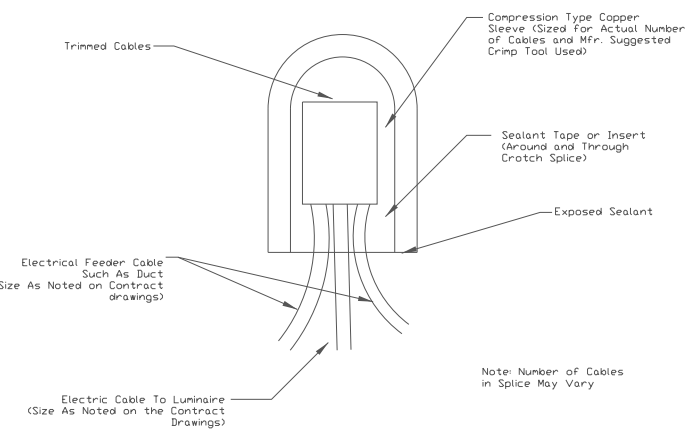
DOUBLE STREET LIGHT DETAIL
NO SCALE



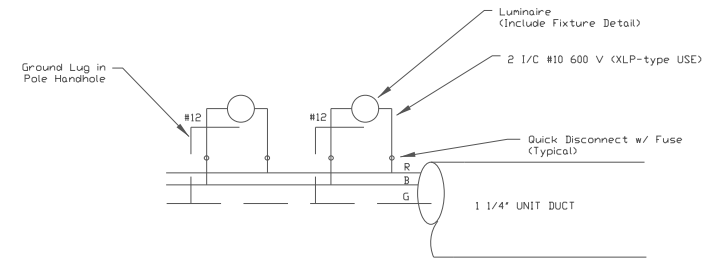
POLE BASE DETAIL - SINGLE LIGHT
NO SCALE



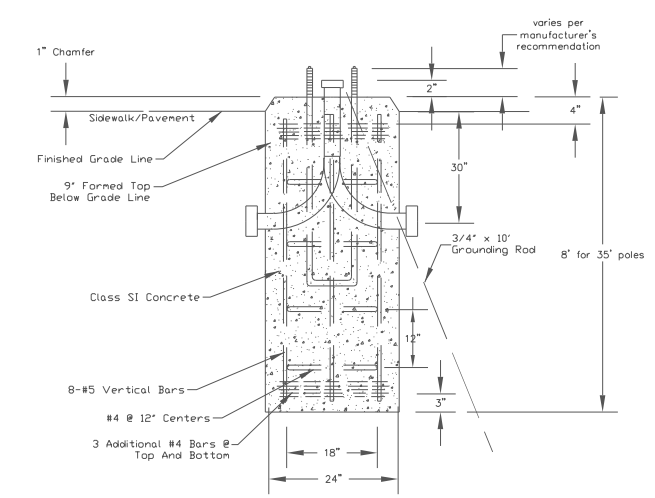
POLE BASE DETAIL - DOUBLE LIGHT
NO SCALE



SPlicing ELECTRIC CABLE
NO SCALE



LIGHT POLE WIRING
240/120 Volt 1 Phase 3 CONDUCTOR



STREET LIGHT POLE FOUNDATION TYPE A (TYPICAL)

MODEL: Border File
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9000 phone
www.v3co.com

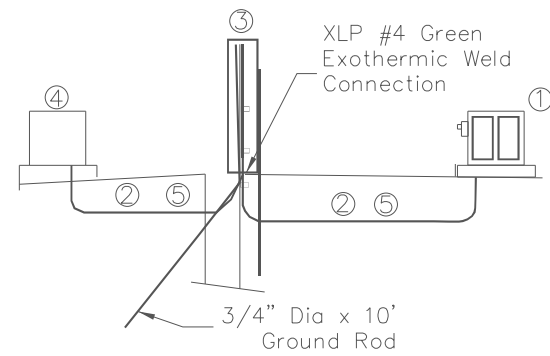
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	DRAWN -	REVISED -
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**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
JONES ROAD TO BLACK ROAD LIGHTING DETAILS**

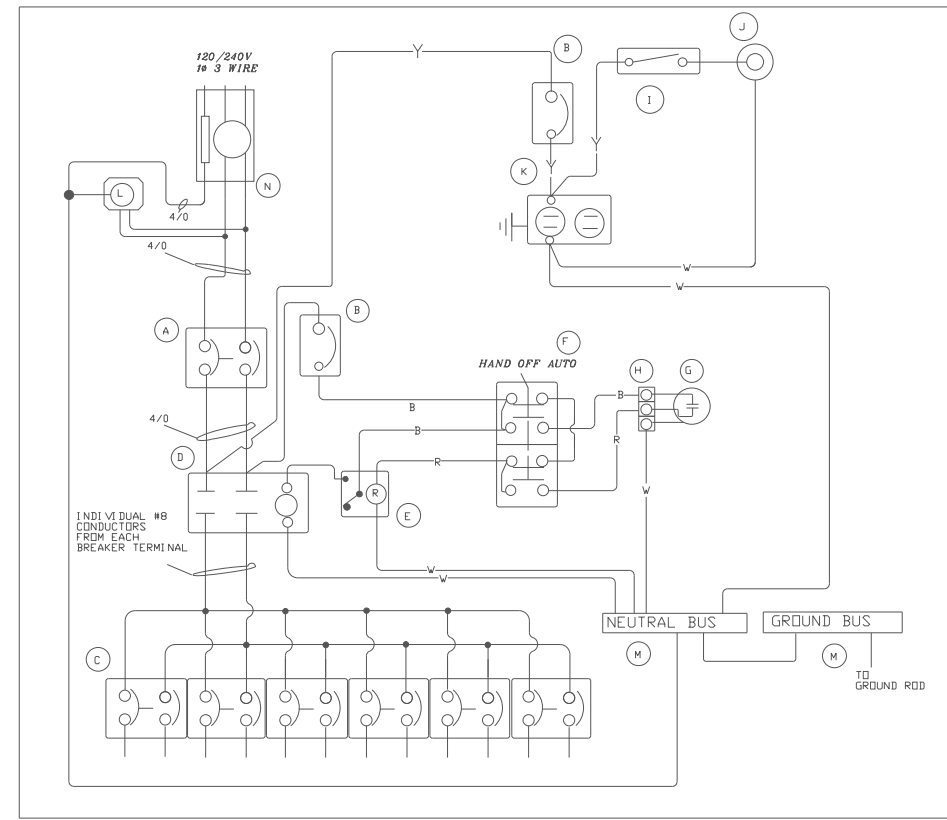
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F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	272
CONTRACT NO. 87899				
ILLINOIS		FED. AID PROJECT		



Underground Electric Service

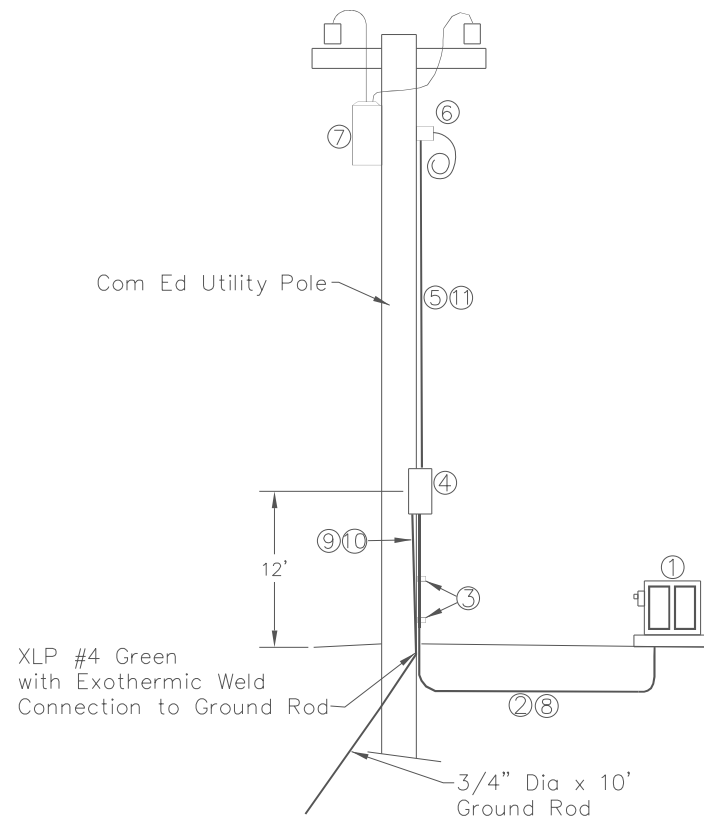
- ① Lighting control cabinet, console Type III
- ② 2-1/2" RGS conduit in trench or pushed between cabinet and pedestal and between pedestal and transformer
- ③ Service Disconnect Breaker- Fiberglass above ground pedestal w/ 200 amp breaker and neutral buss
- ④ Ground mounted Com Ed transformer
- ⑤ Electric cable in conduit, 600V XLP/USE, 3-1/c 3-o, 1-1/c #4



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	1	C/H ED2200 2P 220A
B	2	C/H EHD1015L 1P 15A
C	10	C/H EHD2030L 2P 30A
D	1	C/H CN35NN2A
E	1	SQ.D ZELIO RPF2BF7 120V COIL RELAY
F	1	SQ.D 9001KYK111 HOA
G	1	FPFA105M PHOTOCELL
H	1	CINCH 3PT TB
I	1	MICRO BA-2RQ1-A2 DOOR SWITCH
J	1	RAB VX100DG FIXTURE
K	1	HUBBEL GFRST20I GFCI
L	1	SQ.D SDSA1175 SURGE
M	2	1X12X1/4 COPPER BUSS
N	1	U8949-RL-TG-KK-200A METER HOUSING

POWER WIRING RHH/RHW
CONTROL WIRING # 12 MTW
NEUTRAL BUS CONNECTOR SCREWS PAINTED WHITE
GROUND BUS CONNECTOR SCREWS PAINTED GREEN

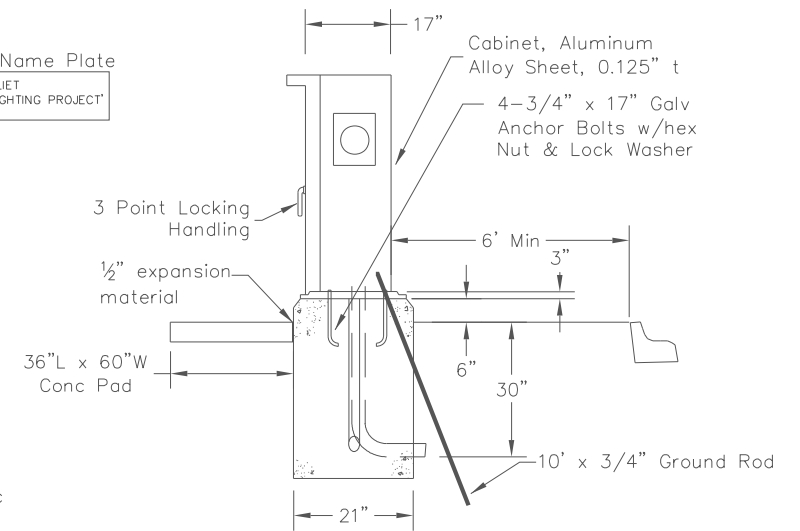
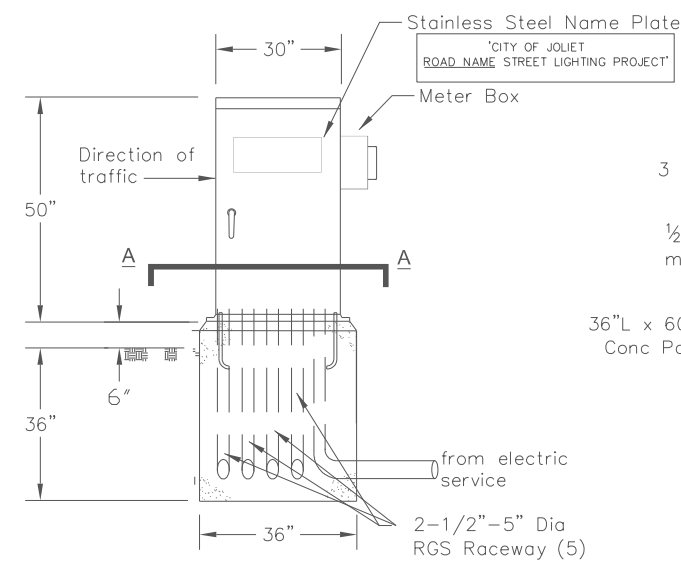
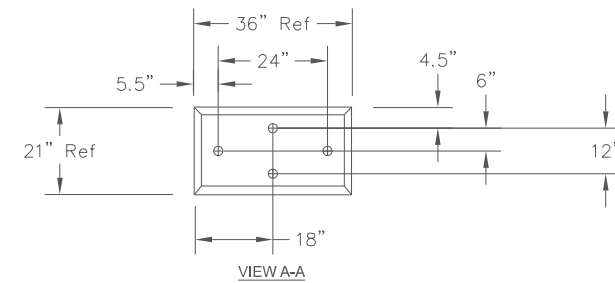
CONTROLLER #2



Overhead Electric Service

- ① Lighting control cabinet, console Type III
- ② 2-1/2" RGS conduit in trench or pushed between cabinet and service disconnect breaker
- ③ Galvanized conduit clamps and galvanized lag screws (5' maximum spacing)
- ④ Servic Disconnect Breaker- NEMA 3R enclosure w/ 200 amp breaker and neutral buss
- ⑤ 2-1/2" PVC between disconnect breaker and service weatherhead
- ⑥ Service Weatherhead
- ⑦ Commonwealth Edison Transformer
- ⑧ Electric cable in conduit, 600V XLP/USE, 3-1/c 3-o, 1-1/c #4
- ⑨ 1/2" RGS Conduit from ground level of service pole to service disconnect breaker enclosure w/pipe clamps
- ⑩ Electric cable in conduit, 600V XLP/USE 1-1/C #4 connected to ground rod + NEMA 3R enclosure box
- ⑪ Electric cable in conduit, 600V XLP/USE, 3-1/c 3-o

NOTE: ALL ITEMS UNDER OVERHEAD AND UNDERGROUND ELECTRIC SERVICE SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM 'ELECTRIC SERVICE INSTALLATION'



CABINET & FOUNDATION DETAIL

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/3/2026	DATE -	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

**CH 11 (RIDGE RD)
JONES ROAD TO BLACK ROAD LIGHTING DETAILS**

SCALE: NONE SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	273
CONTRACT NO. 87899				
ILLINOIS FED.AID PROJECT				

B.M.: Mag Nail in Asphalt, ±1' East of West EOP in Ridge Rd
Sta. 189+06, 14' Lt.
Elev. 588.95

Mag Nail in Asphalt, ±1' East of West EOP in Ridge Rd
Sta. 204+46, 14' Lt.
Elev. 583.21

Existing Structure:

Single span reinforced concrete deck with prestressed concrete I-beam superstructure supported on concrete integral abutments with steel HP piles. The structure is 65'-0" back to back of abutments, 84'-10" out to out of deck, with 15 degree right ahead skew. The structure was constructed in 2024. Str. No. 047-3189

Salvage: Bridge Superstructure and Substructure

Two-way traffic to be maintained utilizing staged construction. See roadway plans for stages 1 and 2.

Scope of Work:

1. Add superimposed median.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

(EXISTING)

- $f'_c = 4,000$ p.s.i. (Superstructure)
- $f'_c = 3,500$ p.s.i. (Substructure)
- $f_y = 60,000$ p.s.i. (Rein.)
- $f_y = 36,000$ p.s.i. (Structural Steel)
- (AASHTO M270 Grade 36)

(EXISTING PRECAST PRESTRESSED)

- $f'_c = 8,500$ p.s.i.
- $f'_{ci} = 6,500$ p.s.i.
- $f'_s = 270,000$ p.s.i. (0.6" Strands)
- $f'_{si} = 202,300$ p.s.i. (0.6" Strands)

(FIELD UNITS)

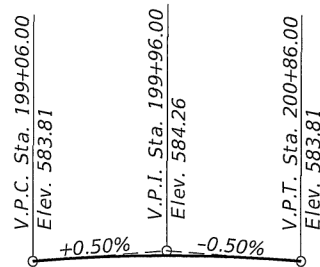
- $f'_c = 4,000$ p.s.i. (Superstructure)
- $f_y = 60,000$ p.s.i. (Rein.)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

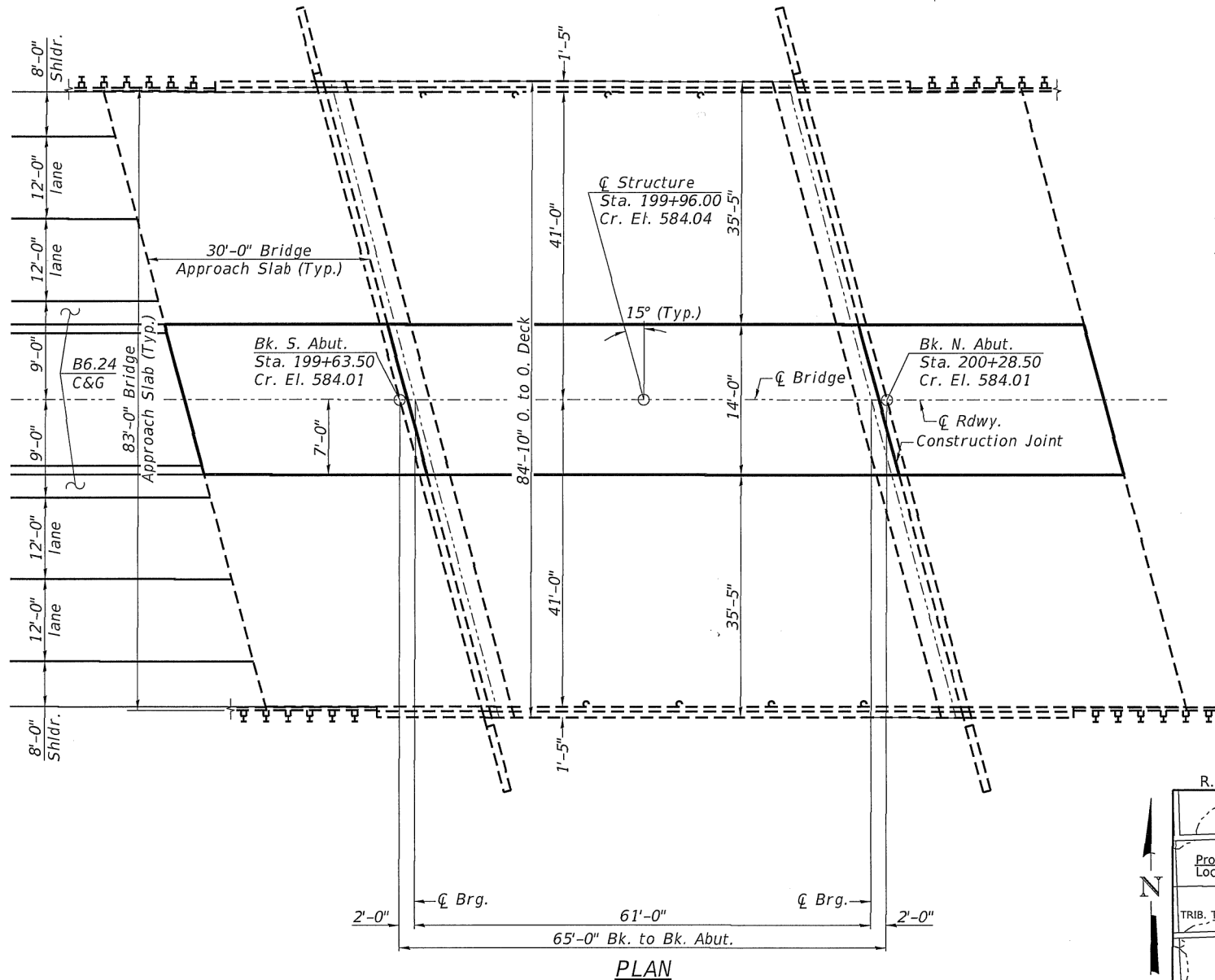
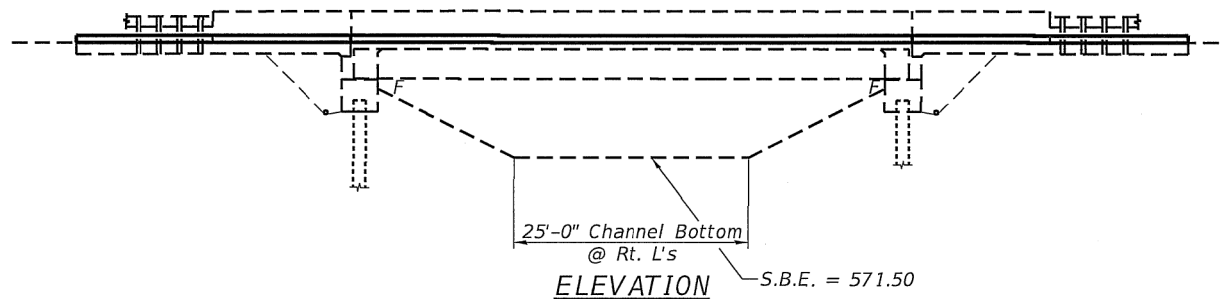
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.096g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.152g
Soil Site Class = D

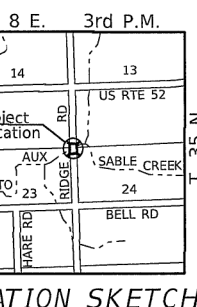


PROFILE GRADE

C.H. 11 - F.A.S. 285 (Ridge Road)



PLAN



LOCATION SKETCH

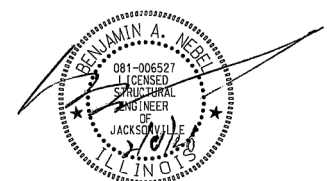
INDEX TO SHEETS

SHEET #'s	DESCRIPTION
1	General Plan & Elevation
2	Stage Construction Details
3	Temporary Concrete Barrier
4-5	Superstructure
6-7	Approach Slab Details
8	Moment & Reaction Tables

Notes:
Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
Reinforcement bars designated (E) shall be epoxy coated.
See Special Provisions for existing plans.

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO LRFD Bridge Design Specifications. This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

[Signature]
Illinois Structural No. 6527
Expires 11/30/2026



1.c copy 11/30/27

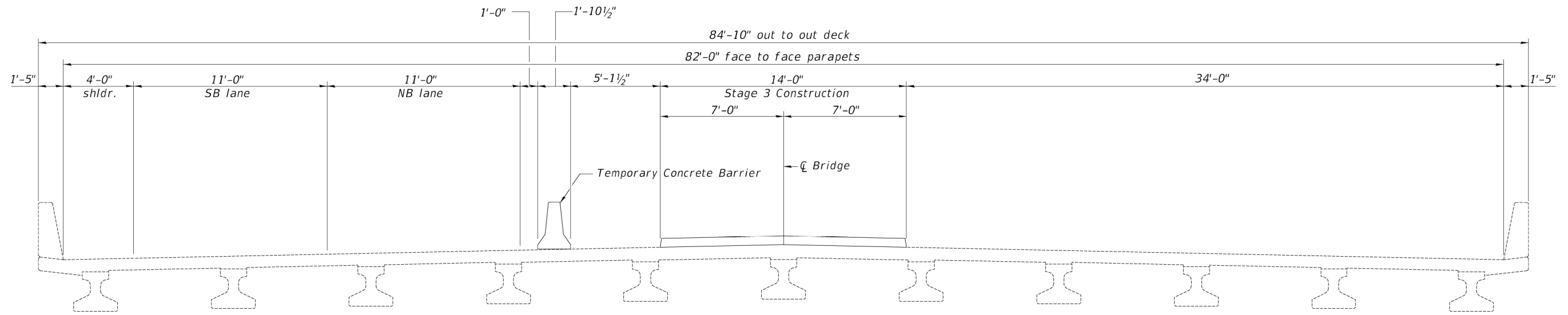
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Superstructure	CU YD	31.9	-	31.9
Reinforcement Bars, Epoxy Coated	POUND	4,120	-	4,120

GENERAL PLAN & ELEVATION
C.H. 11 - F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK
SECTION 22-00168-00-RP
KENDALL COUNTY
STATION 199+96.00
STRUCTURE NO. 047-3189

MODEL: H:\MODEL\NAME: Bridge Road (Kendall County)\8 - CADD\2 - CADD_Sheets\3182-1001.dgn
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2026

Hutchison Engineering, Inc. JOB#5352	USER NAME = bNebel	DESIGNED - ZL	REVISED -	KENDALL COUNTY C.H. 11 - F.A.S. 285 (RIDGE ROAD) OVER TRIB. TO AUX SABLE CREEK	GENERAL PLAN & ELEVATION	F.A.S. RTE. = 285	SECTION = 22-00168-00-RP	COUNTY = KENDALL	TOTAL SHEETS = 367	SHEET NO. = 274
	PLOT SCALE = 100.0000' / in.	CHECKED - BAN	REVISED -			SCALE: N/A	SHEET 1 OF 8 SHEETS	CONTRACT NO. 87899	ILLINOIS	
	PLOT DATE = 2/9/2026	DATE = 02/03/2026	REVISED -							



STAGE 3 CONSTRUCTION
(Looking North)

Notes:
 See Roadway Plans for Stages 1 & 2.
 See Sheet 3 of 8 for Temporary Concrete Barrier details.
 See Roadway Plans for quantity of Temporary Concrete Barrier.

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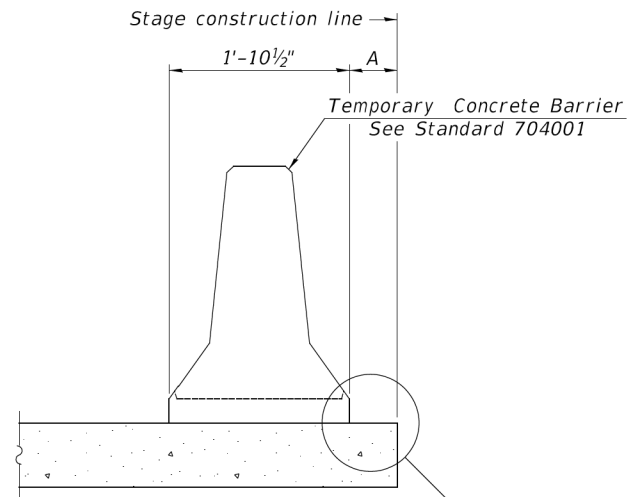
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PLOT DATE = 2/9/2026	DATE - 02/03/2026	REVISED -

KENDALL COUNTY
C.H. 11 - F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK

STAGE CONSTRUCTION DETAILS

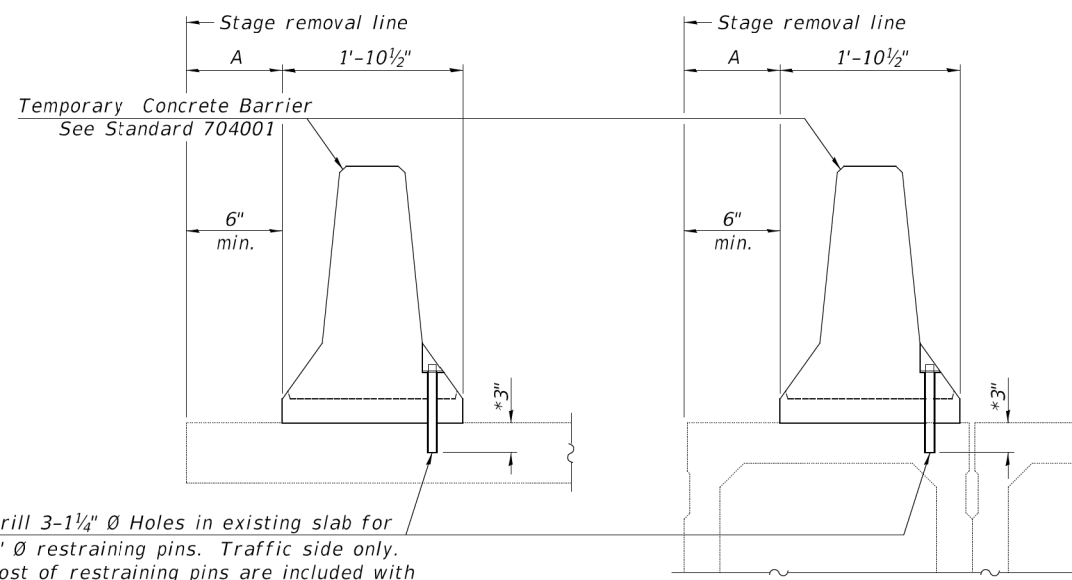
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285	22-00168-00-RP	KENDALL	367	275
SN 047-3189		CONTRACT NO. 87899		
ILLINOIS				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

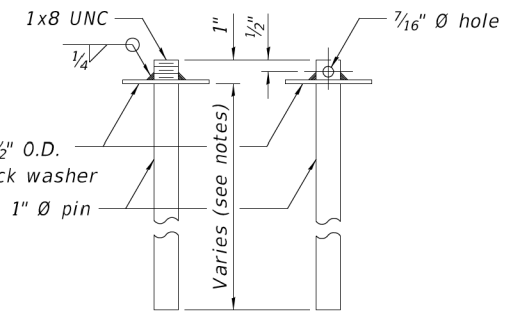


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

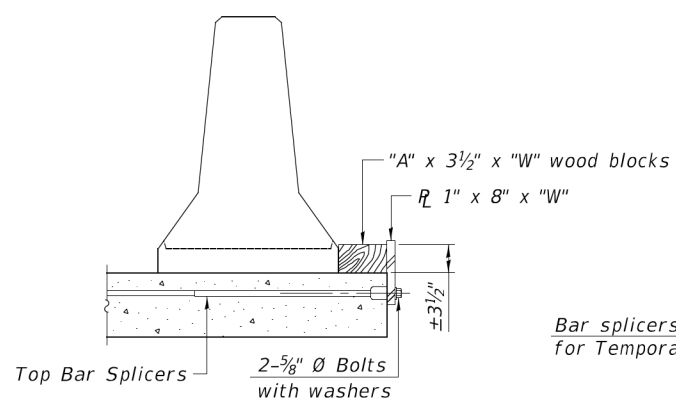
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

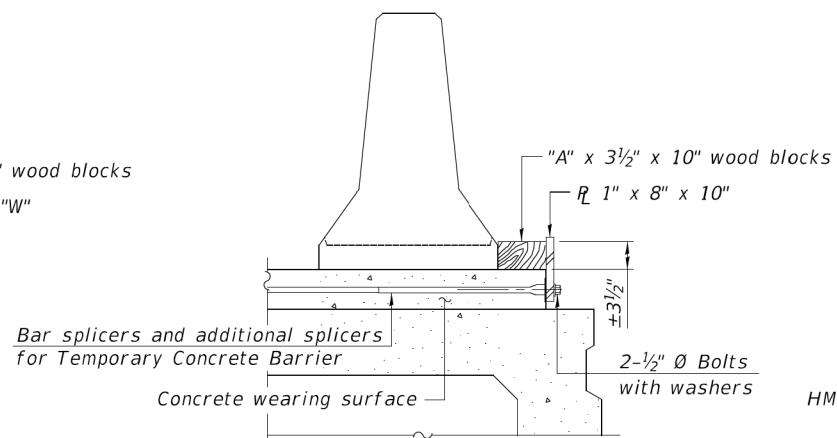


US Std. 1 1/16" I.D. x 2 1/2" O.D. x approx. 8 gauge thick washer

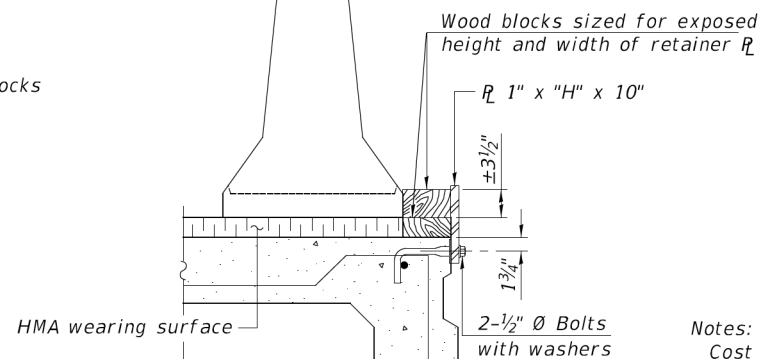
RESTRAINING PIN



DETAIL I



DETAIL II



DETAIL III

BAR SPLICER FOR #4 BAR - DETAIL III

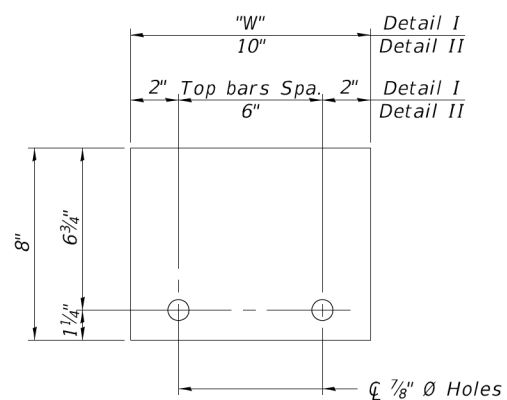
Notes:

- Cost of retainer assembly is included with Temporary Concrete Barrier.
- A retainer assembly shall be located at the approximate $\frac{1}{2}$ of each temporary concrete barrier.
- The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
- When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

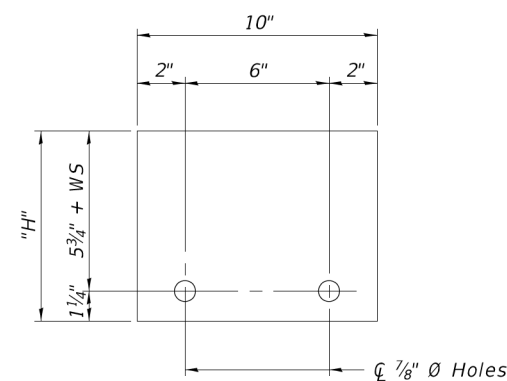
Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.



STEEL RETAINER R 1" x 8" x "W" (Detail I and II)



STEEL RETAINER R 1" x "H" x 10" (Detail III)

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

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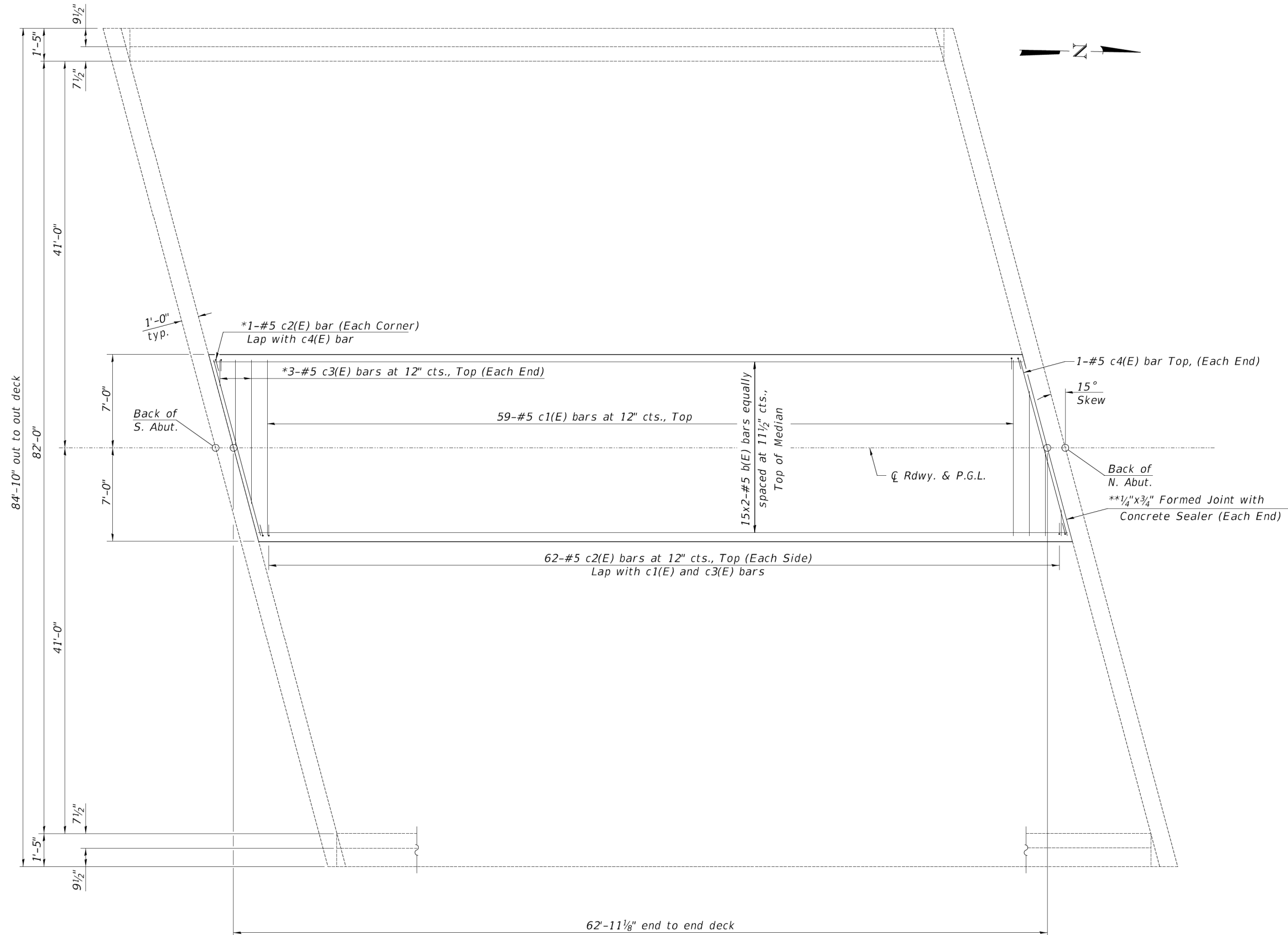
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	DATE - 02/03/2026	REVISED -

KENDALL COUNTY
C.H. 11 - F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK

TEMPORARY CONCRETE BARRIER

SCALE: N/A SHEET 3 OF 8 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
285	22-00168-00-RP	KENDALL	367	276
	SN 047-3189			CONTRACT NO. 87899
		ILLINOIS		



Notes:
 See sheet 5 of 8 for Section Thru Median, Bar Details and Bill of Material.
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

MINIMUM BAR LAP
 #5 bar = 3'-6"

* See Field Cutting Diagram on Sheet 5 of 8.
 ** Cost included with Concrete Superstructure.

PLAN

MODEL: Default
 FILE NAME: Y133352 - CADD12 - CADD_Sheets13352-3004.dgn
 2026

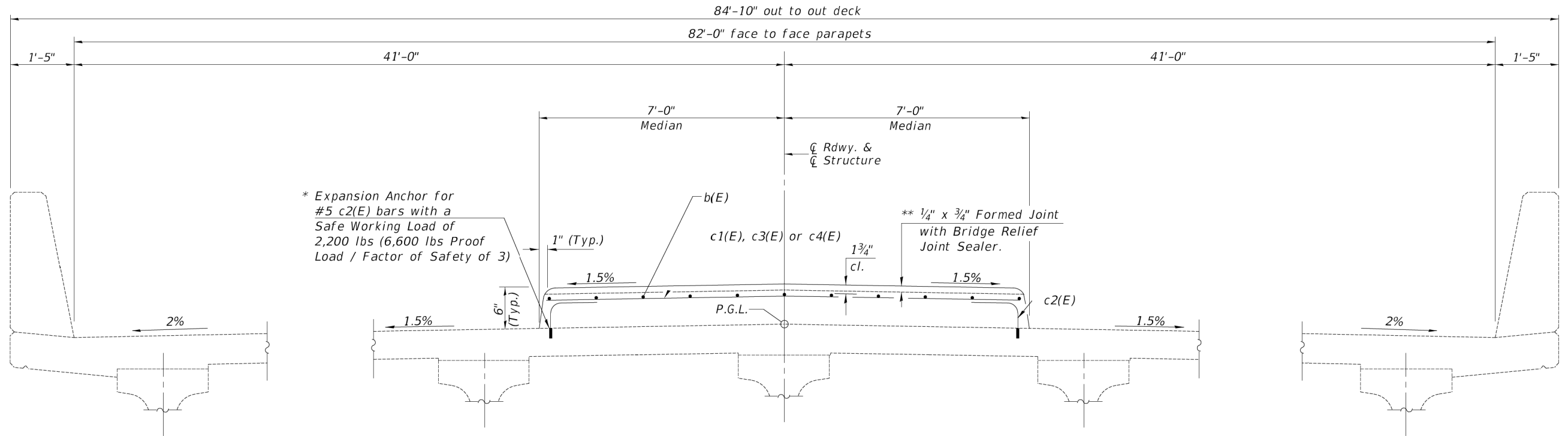


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KENDALL COUNTY
C.H. 11 - F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK

SUPERSTRUCTURE
 SCALE: N/A SHEET 4 OF 8 SHEETS

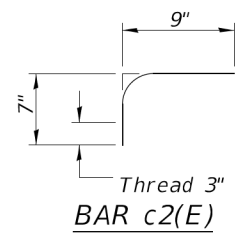
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285	22-00168-00-RP	KENDALL	367	277
SN 047-3189		CONTRACT NO. 87899		
ILLINOIS				



* Expansion Anchor for #5 c2(E) bars with a Safe Working Load of 2,200 lbs (6,600 lbs Proof Load / Factor of Safety of 3)

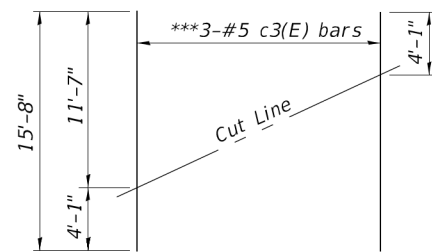
** 1/4" x 3/4" Formed Joint with Bridge Relief Joint Sealer.

SECTION THRU RAISED MEDIAN



* Inserts shall be galvanized or epoxy coated. The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.

** Full width along joint - backer rod not required. Cost included with Concrete Superstructure.



FIELD CUTTING DIAGRAM

**Order c3(E) bars full length. Cut as shown and use remainder of bars in opposite end of raised median.

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b(E)	30	#5	33'-1"	—
c1(E)	59	#5	13'-6"	—
c2(E)	128	#5	1'-4"	└
c3(E)	3	#5	15'-8"	—
c4(E)	2	#5	13'-11"	—
Reinforcement Bars, Epoxy Coated			POUND	2,120
Concrete Superstructure			CU YD	16.3

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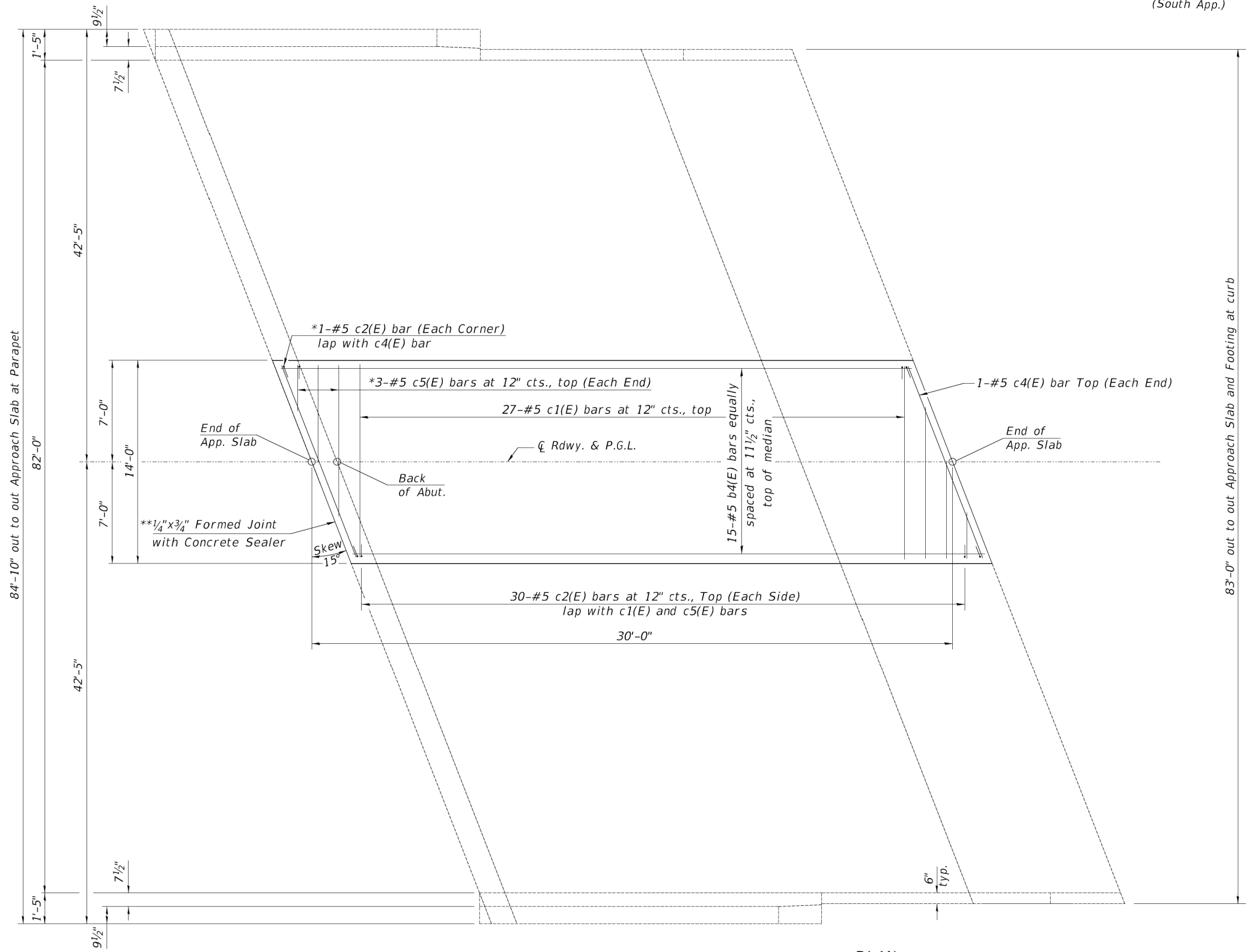
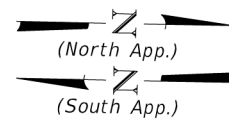
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JOB#5352	DATE - 02/03/2026	REVISED -

KENDALL COUNTY
C.H. 11 - F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK

SUPERSTRUCTURE

SCALE: N/A SHEET 5 OF 8 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
285	22-00168-00-RP	KENDALL	367	278
SN 047-3189		CONTRACT NO. 87899		
ILLINOIS				



MINIMUM BAR LAP
#5 bar = 3'-6"

* See Field Cutting Diagram on Sheet 7 of 8.
** Cost included with Concrete Superstructure.

PLAN
(North approach slab shown; South approach slab similar)

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2026

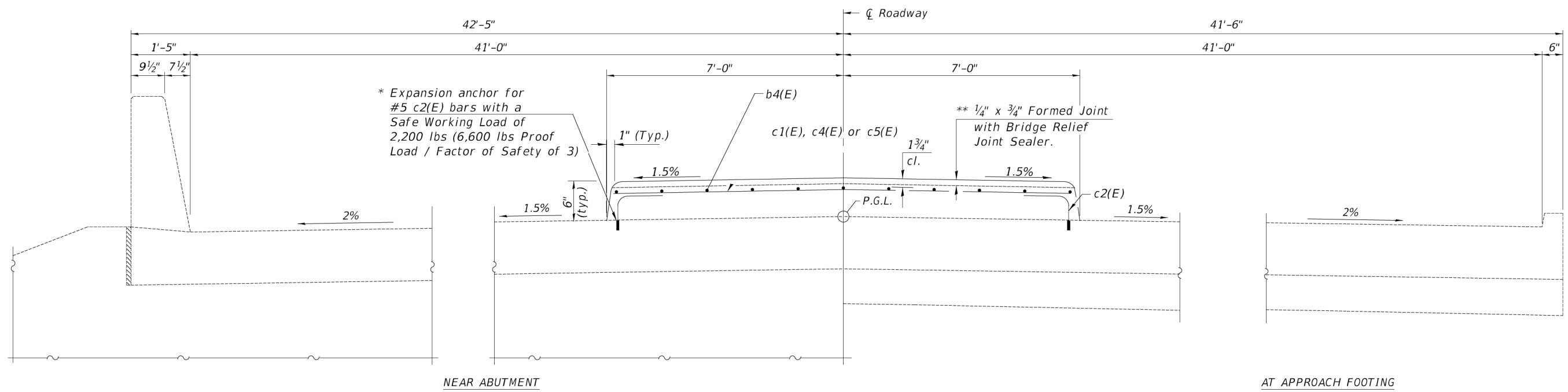


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DATE = 2/9/2026	CHECKED - BAN	REVISED - _____
	DATE - 02/03/2026	REVISED - _____

KENDALL COUNTY
C.H. 11 - F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK

APPROACH SLAB DETAILS
SCALE: N/A SHEET 6 OF 8 SHEETS

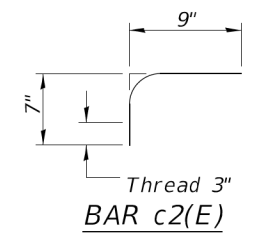
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285	22-00168-00-RP	KENDALL	367	279
SN 047-3189		CONTRACT NO. 87899		
ILLINOIS				



* Expansion anchor for #5 c2(E) bars with a Safe Working Load of 2,200 lbs (6,600 lbs Proof Load / Factor of Safety of 3)

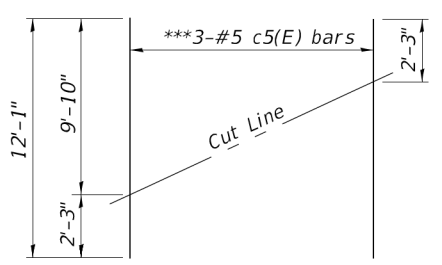
** 1/4" x 3/4" Formed Joint with Bridge Relief Joint Sealer.

SECTION THRU RAISED MEDIAN



* Inserts shall be galvanized or epoxy coated. The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.

** Full width along joint - backer rod not required. Cost included with Concrete Superstructure.



FIELD CUTTING DIAGRAM

**Order c5(E) bars full length. Cut as shown and use remainder of bars in opposite end of raised median.

**APPROACH SLABS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b4(E)	30	#5	29'-8"	—
c1(E)	54	#5	13'-6"	—
c2(E)	128	#5	1'-4"	┘
c4(E)	4	#5	13'-11"	—
c5(E)	6	#5	12'-1"	—
Reinforcement Bars, Epoxy Coated			POUND	2,000
Concrete Superstructure			CU YD	15.6

MODEL: Default
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 2026



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	DRAWN - ZL	REVISED -
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PLOT DATE = 2/9/2026	DATE - 02/03/2026	REVISED -

**KENDALL COUNTY
C.H. 11 - F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK**

APPROACH SLAB DETAILS
SCALE: N/A SHEET 7 OF 8 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
285	22-00168-00-RP	KENDALL	367	280
SN 047-3189		CONTRACT NO. 87899		
ILLINOIS				

INTERIOR BEAM MOMENT TABLE		
		0.47 Sp. 1
I	(in ⁴)	33,879
I'	(in ⁴)	136,848
S_b	(in ³)	3,060.4
S_b'	(in ³)	6,213
S_t	(in ³)	2,216.7
S_t'	(in ³)	27,515
$DC1$	(k/')	1.30
M_{DC1}	(k)	604
$DC2$	(k/')	0.19
M_{DC2}	(k)	89
DW	(k/')	0.39
M_{DW}	(k)	182
$LLDF$		0.651
$M_L + IM$	(k)	907

INTERIOR BEAM REACTION TABLE		
		Abut.
$LLDF$		0.803
OCF		1.053
R_{DC1}	(k)	39.6
R_{DC2}	(k)	5.8
R_{DW}	(k)	11.9
$R_L + IM$	(k)	80.8
$R_{Total} (Str I, Impact)$	(k)	216.0
$R_{Total} (Str I, No Impact)$	(k)	187.7

- I : Non-composite moment of inertia of beam section (in.⁴).
- I' : Composite moment of inertia of beam section (in.⁴).
- S_b : Non-composite section modulus for the bottom fiber of the prestressed beam (in.³).
- S_b' : Composite section modulus for the bottom fiber of the prestressed beam (in.³).
- S_t : Non-composite section modulus for the top fiber of the prestressed beam (in.³).
- S_t' : Composite section modulus for the top fiber of the prestressed beam (in.³).
- $DC1$: Un-factored non-composite dead load (kips/ft.).
- M_{DC1} : Un-factored moment due to non-composite dead load (kip-ft.).
- $DC2$: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2} : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW : Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW} : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- $LLDF$: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
- $M_L + IM$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- OCF : Obtuse Correction Factor computed according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.
- R_{DC1} : Un-factored reaction due to non-composite dead load (kip).
- R_{DC2} : Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
- R_{DW} : Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
- R_L : Un-factored live load reaction (kip).
- R_{IM} : Un-factored dynamic load allowance (impact) (kip).
- $R_{Total} (Strength I)(Impact)$: Total factored reaction including dynamic load allowance (impact) (kip).
- $R_{Total} (Strength I)(No Impact)$: Total factored reaction not including dynamic load allowance (impact) (kip).

MODEL: Default
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PLOT DATE = 2/9/2026	DATE - 02/03/2026	REVISED - _____

KENDALL COUNTY
C.H. 11 – F.A.S. 285 (RIDGE ROAD)
OVER TRIB. TO AUX SABLE CREEK

MOMENT & REACTION TABLES			
SCALE: N/A	SHEET 8	OF 8	SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
285	22-00168-00-RP	KENDALL	367	281
SN 047-3189		CONTRACT NO. 87899		
ILLINOIS				

Existing Structure:
Single barrel 13.5'x5.5' cast in place box culvert.
The culvert is ~40 feet in length and is not skewed.

INDEX OF SHEETS

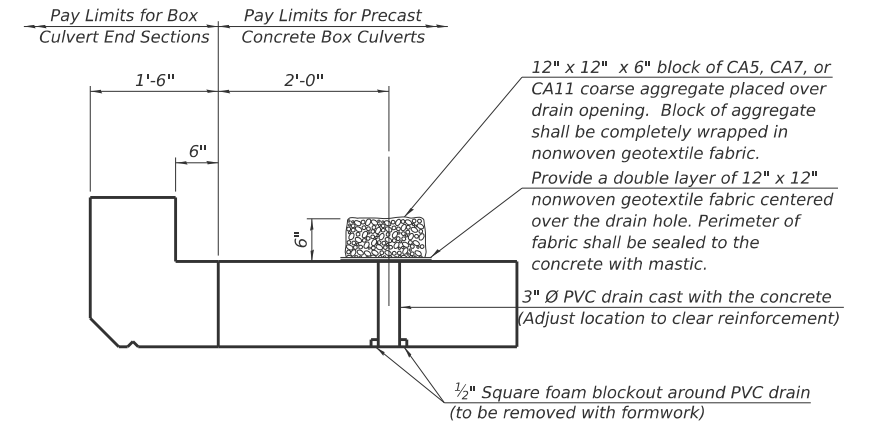
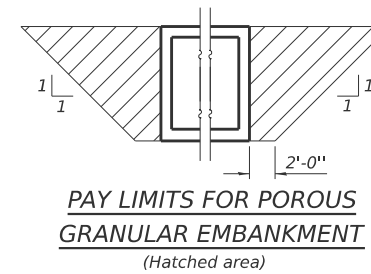
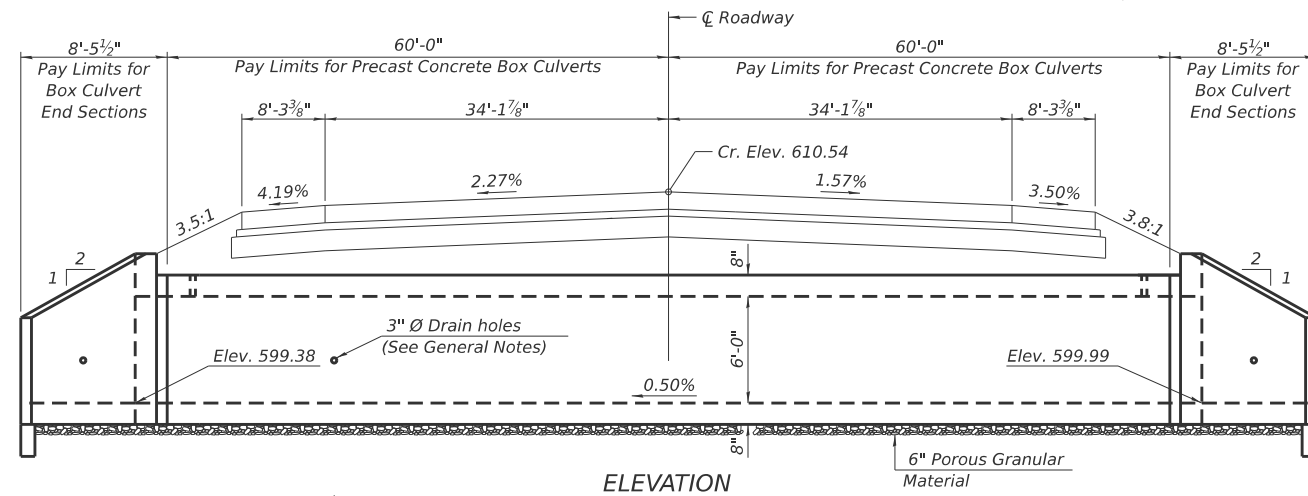
1. General Plan and Elevation
- 2.-3. Multi-cell Precast Concrete Box Culvert Apron End Section Details

The design fill height for this box is 3 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

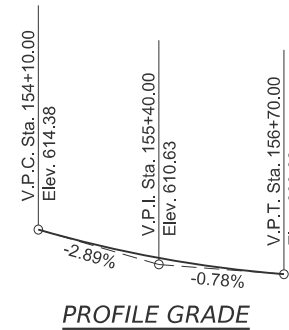
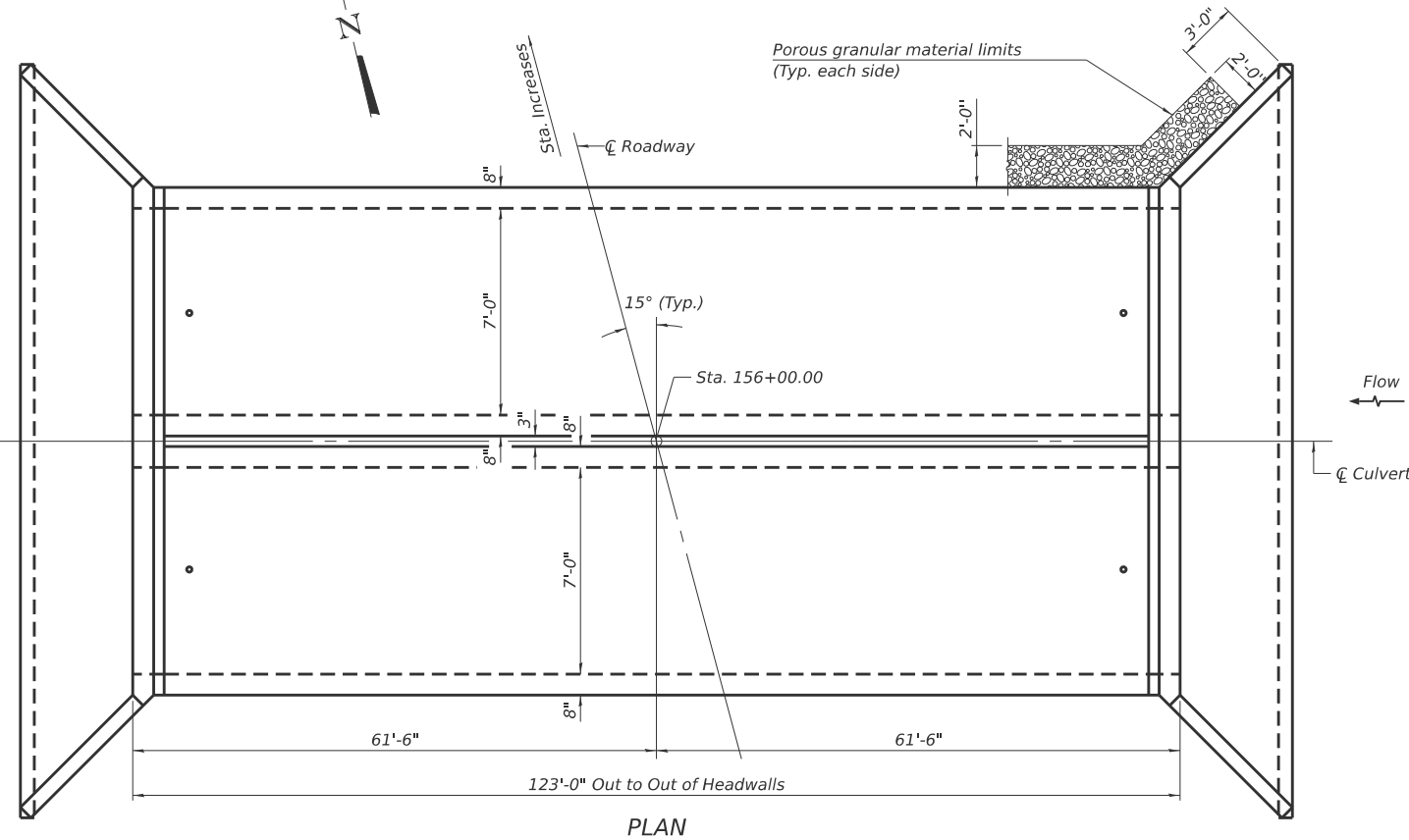
Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS

$f_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

FIELD UNITS

$f_c = 3,500$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	590
Stone Riprap, Class A4	Sq. Yd.	430
Filter Fabric	Sq. Yd.	430
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 7' x 6'	Foot	240
Geocomposite Wall Drain	Sq. Yd.	253
Box Culvert Removal	Foot	40
Membrane Waterproofing System for Buried Structures	Sq. Yd.	253

GENERAL PLAN AND ELEVATION
CH 11 (RIDGE RD) OVER UNNAMED DITCH
SEC. 22-00168-00-PV
KENDALL COUNTY
STATION 156+00.00

MODEL: sht-culvert-1
FILE NAME: V:\5552 - Ridge Road - Holl to Black - Phase II\CADD\CADD Sheets\552-sht-culvert.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/16/2026	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
CULVERT DETAILS**

SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	282
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

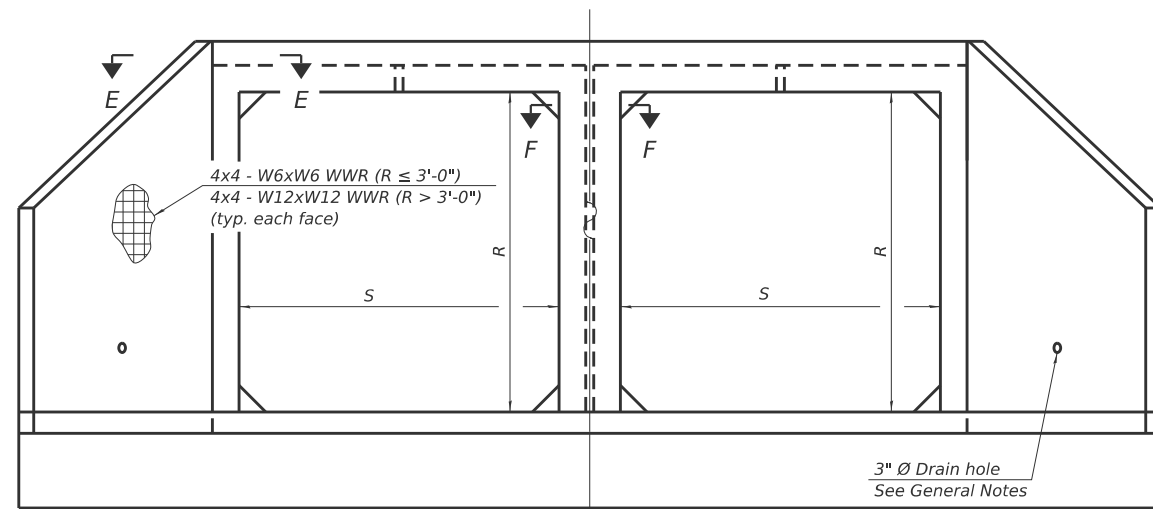
Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar. The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

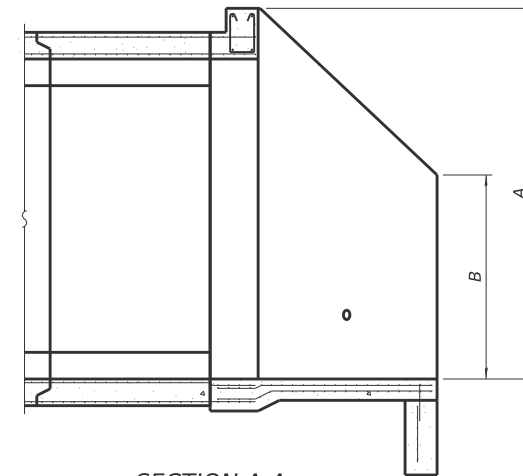
The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

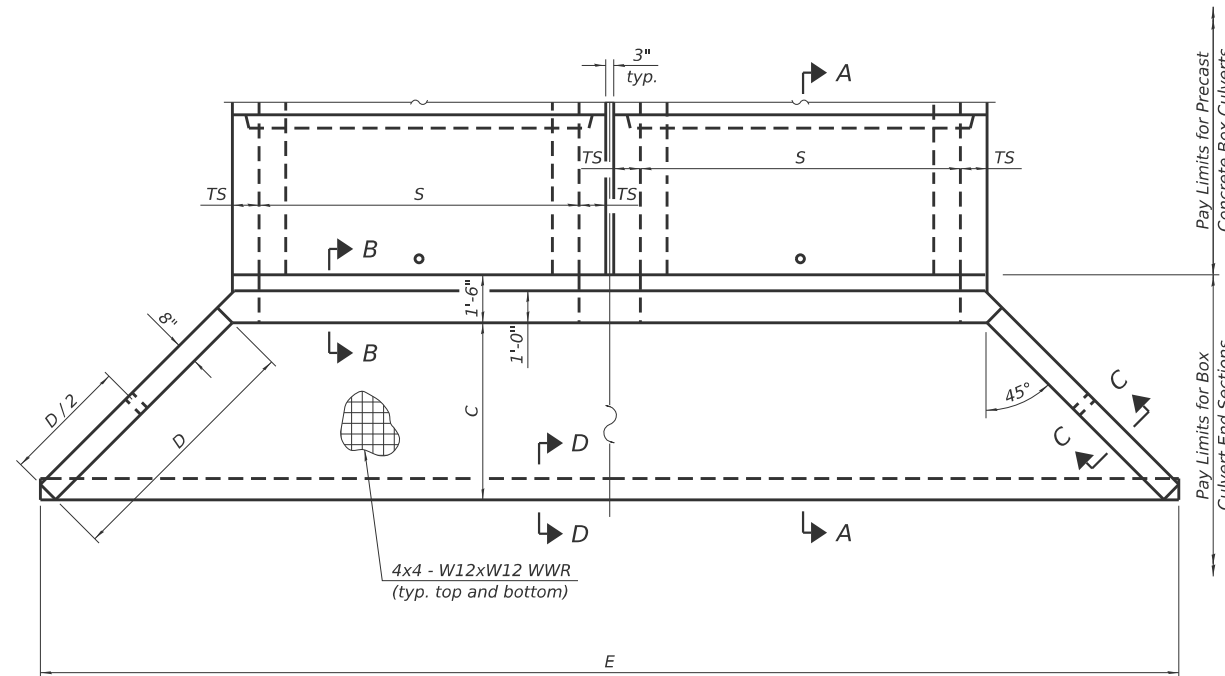
One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



END VIEW



SECTION A-A



PLAN

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt, Tb, & Ts	Double Cell				Triple Cell			
			A	B	C	D	E	Concrete Cu. Yd.	E	Concrete Cu. Yd.
7'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	23'-9"	6.6		
7'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	25'-9 1/8"	8.0		
7'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	27'-9 3/8"	9.5		
7'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	29'-9 1/8"	11.2		
7'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	31'-9 3/4"	13.1		
8'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	25'-9"	7.1		
8'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	27'-9 3/8"	8.6		
8'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	29'-9 1/8"	10.2		
8'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	31'-9 1/8"	11.9		
8'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	33'-9 3/4"	13.8		
9'-0"	2'-0"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	28'-3 7/8"	8.2	39'-0 7/8"	11.4
9'-0"	3'-0"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	30'-3 7/8"	9.7	41'-0 7/8"	13.3
9'-0"	4'-0"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	32'-3 7/8"	11.4	43'-0 7/8"	15.4
9'-0"	5'-0"	9"	6'-6"	3'-9"	6'-0 7/8"	8'-7"	34'-4"	13.2	45'-1"	17.6
9'-0"	6'-0"	9"	7'-6"	4'-3"	7'-0 7/8"	9'-11"	36'-2 7/8"	15.1	46'-11 3/8"	19.8
10'-0"	2'-0"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	30'-9 1/4"	9.2	42'-8 1/4"	13.0
10'-0"	3'-0"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	32'-9 1/4"	10.8	44'-8 1/4"	15.0
10'-0"	4'-0"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	34'-9 3/8"	12.6	46'-8 3/8"	17.2
10'-0"	5'-0"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	36'-9 3/8"	14.5	48'-8 3/8"	19.5
10'-0"	6'-0"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	38'-9 3/8"	16.6	50'-8 3/8"	22.0
11'-0"	2'-0"	11"	3'-8"	2'-4"	3'-2 7/8"	4'-7"	33'-4 7/8"	10.4	46'-5 1/8"	14.7
11'-0"	3'-0"	11"	4'-8"	2'-10"	4'-2 7/8"	6'-0"	35'-4 7/8"	12.1	48'-5 1/8"	16.9
11'-0"	4'-0"	11"	5'-8"	3'-4"	5'-2 7/8"	7'-4"	37'-2 3/4"	13.9	50'-3 3/4"	19.1
11'-0"	5'-0"	11"	6'-8"	3'-10"	6'-2 7/8"	8'-9"	39'-2 7/8"	15.8	52'-3 3/8"	21.4
11'-0"	6'-0"	11"	7'-8"	4'-4"	7'-2 7/8"	10'-2"	41'-2 7/8"	18.1	54'-3 3/8"	24.2
12'-0"	2'-0"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	35'-9 1/2"	11.6	50'-0 1/2"	16.5
12'-0"	3'-0"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	37'-9 1/2"	13.4	52'-0 1/2"	18.8
12'-0"	4'-0"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	39'-9 3/8"	15.4	54'-0 3/8"	21.2
12'-0"	5'-0"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	41'-9 3/8"	17.6	56'-0 3/8"	23.8
12'-0"	6'-0"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	43'-9 3/8"	19.8	58'-0 3/8"	26.6

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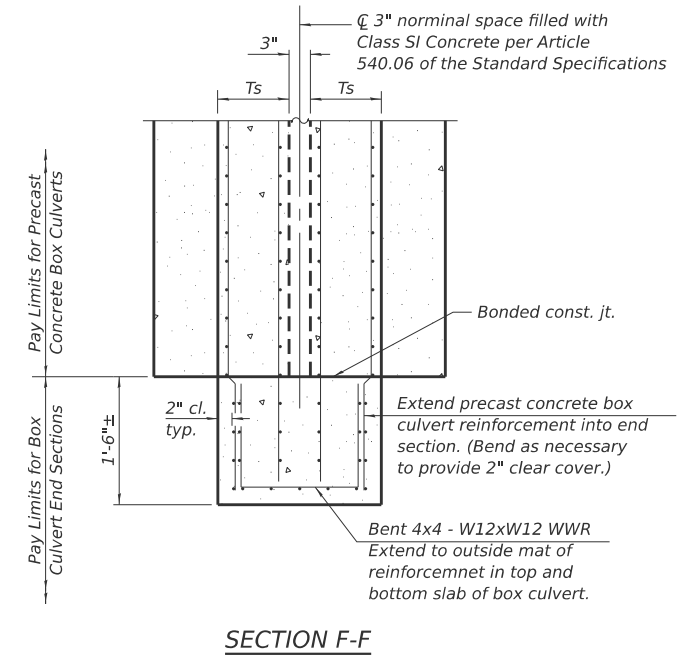
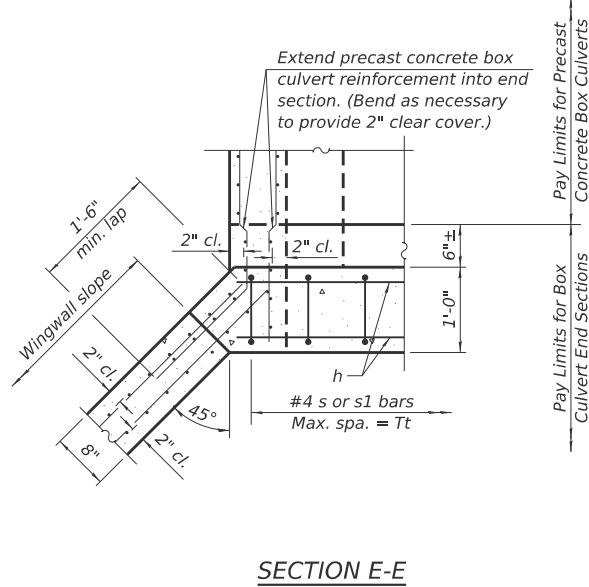
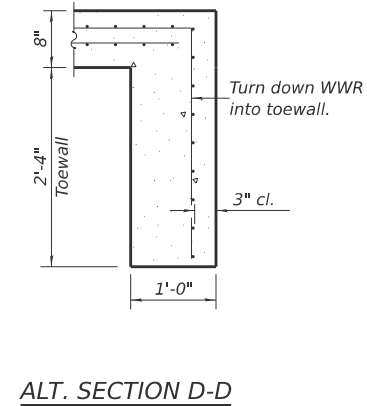
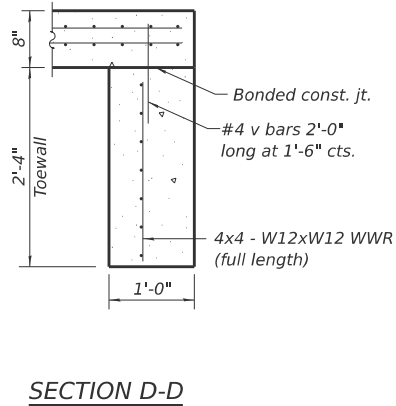
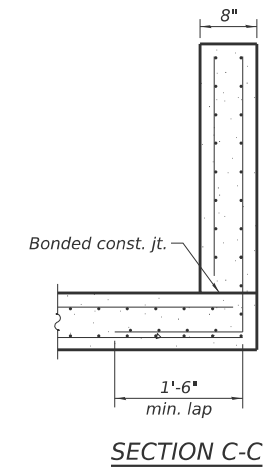
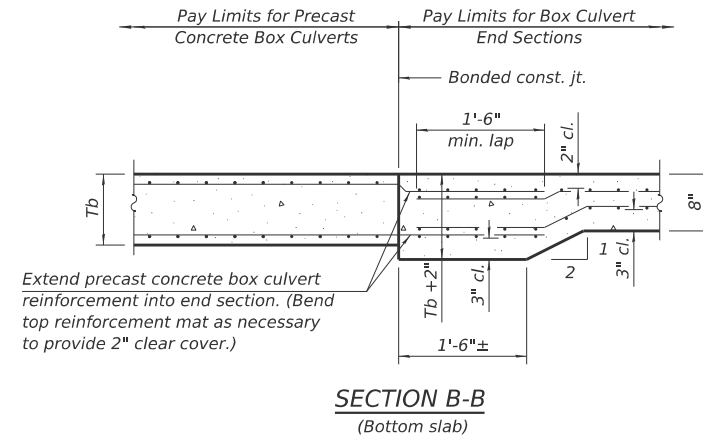
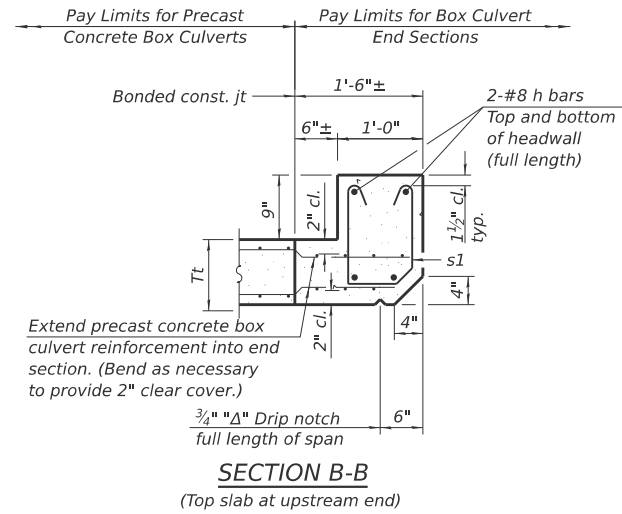
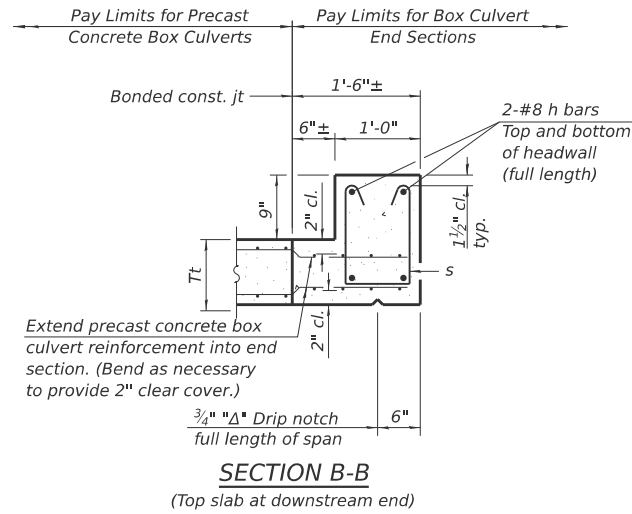
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PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
CULVERT DETAILS**

SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.

RT. NO. CH11	SECTION 22-00168-00-RP	COUNTY KENDALL	TOTAL SHEETS 367	SHEET NO. 283
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

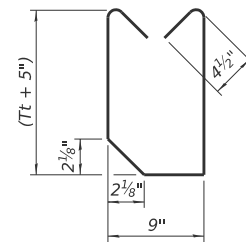
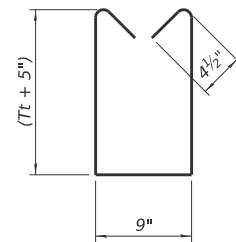


TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



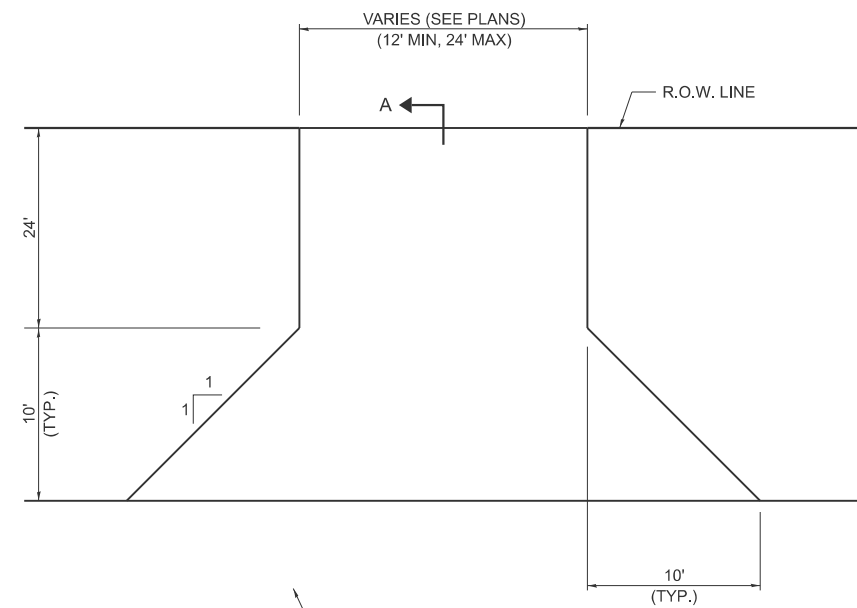
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
CULVERT DETAILS**

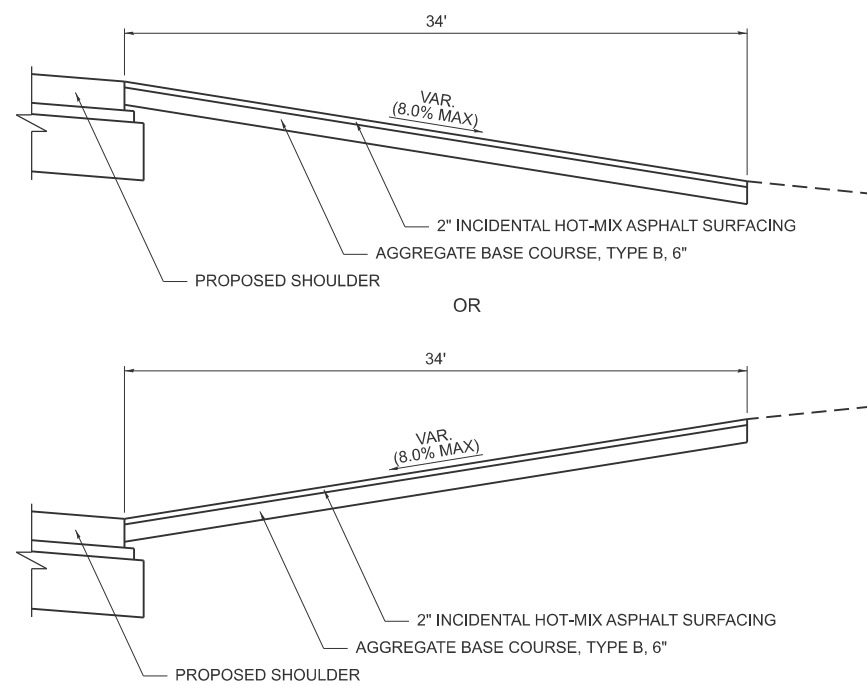
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RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	284
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

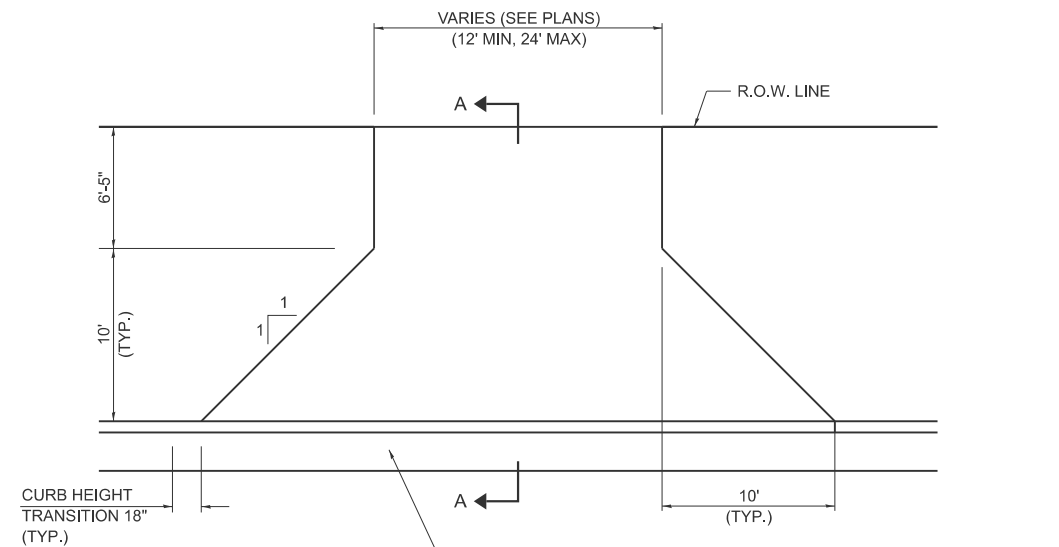
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	DATE -	REVISED -



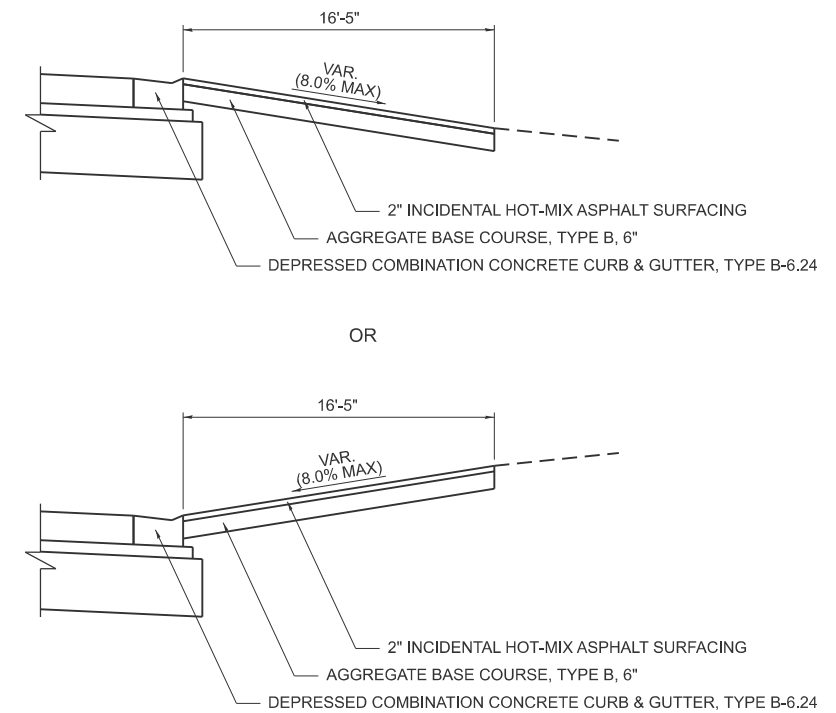
PROPOSED HMA OR PCC SHOULDER
PLAN



SECTION A-A
PRIVATE ENTRANCE
ADJACENT TO SHOULDER



DEPRESSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
PLAN



SECTION A-A
PRIVATE ENTRANCE
AT ISOLATED CURB & GUTTER *

* STA 100+27.35 TO STA 100+98.32 (LT)
STA 188+12.54 TO STA 189+97.37 (LT)
STA 250+40.89 TO STA 254+98.75 (LT)
STA 251+69.52 TO STA 259+50.52 (RT)

NOTES:

- LONGITUDINAL SLOPE SHALL NOT EXCEED 8.0%.
- SEE PLAN AND PROFILE SHEETS FOR WIDTHS.
- SEE CROSS SECTIONS FOR MORE INFORMATION.
- SEE ENTRANCES SCHEDULE FOR MORE INFORMATION.

KENDALL COUNTY
HIGHWAY DEPARTMENT

CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS

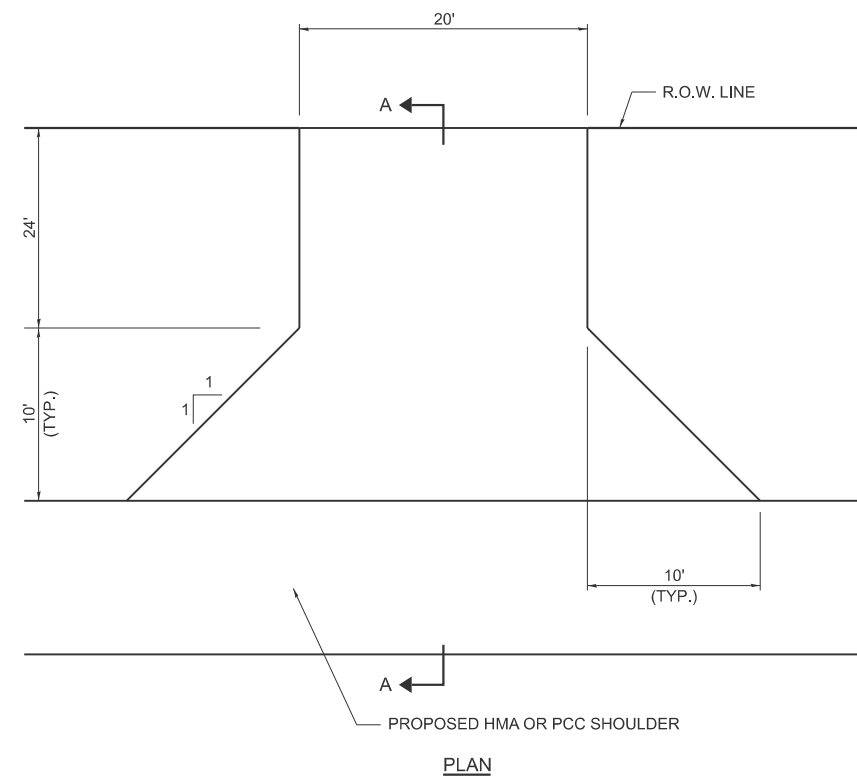
SCALE: N/A SHEET 1 OF 9 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	285
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

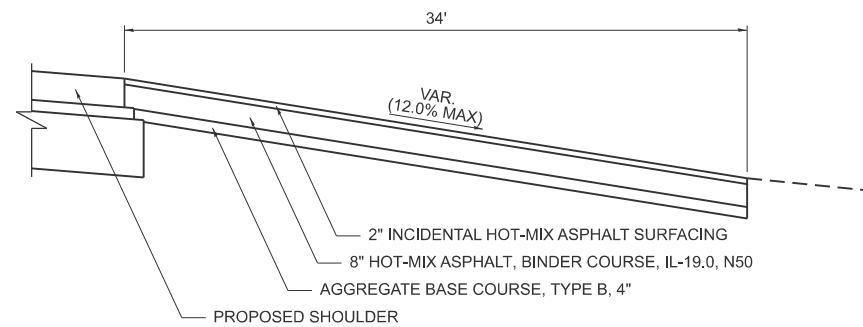
MODEL: SHT-DETAIL-1
FILE NAME: V:\5552 - Ridge Road - Holl to Black - Phase II\CADD\CADD Sheets\552-sht-detail.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE -	REVISED -



PLAN

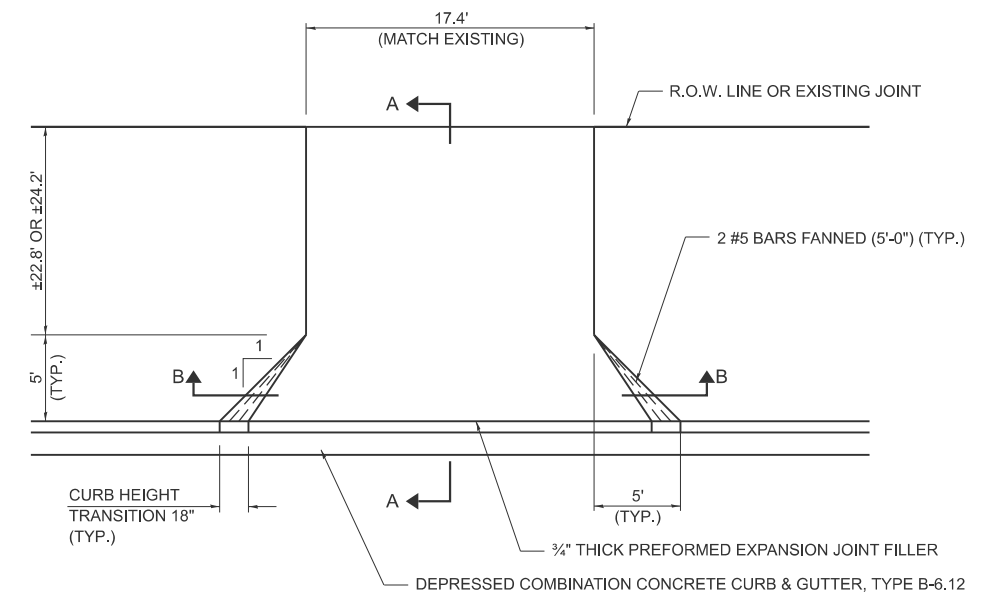


SECTION A-A

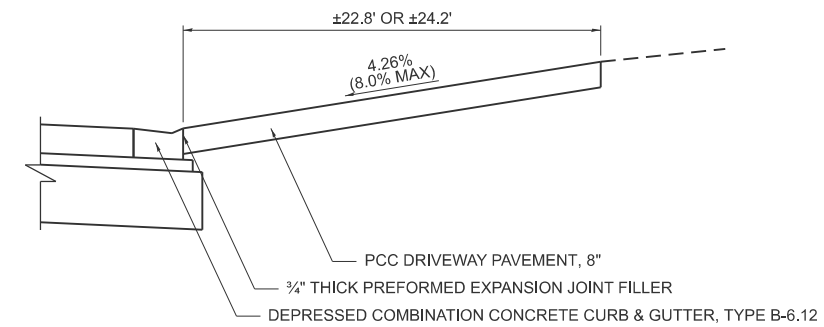
COMMERCIAL ENTRANCE

NOTES:

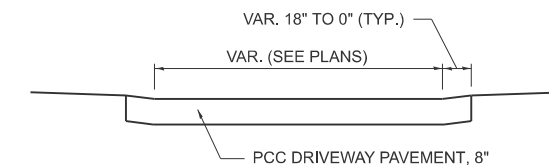
- LONGITUNDAL SLOPE SHALL NOT EXCEED 12.0%.
- SEE PLAN AND PROFILE SHEETS FOR WIDTHS.
- SEE CROSS SECTIONS FOR MORE INFORMATION.
- SEE ENTRANCES SCHEDULE FOR MORE INFORMATION.



PLAN



SECTION A-A



SECTION B-B

**PRIVATE ENTRANCE
AT WILDY RD STA 703+56.06 RT**

NOTES:

THE COST OF FURNISHING AND INSTALLING THE 1/4\"/>

FOR ENTRANCES ≥ 16' WIDE PROVIDE A SAWED LONGITUNDAL JOINT AT ON-HALF WIDTH. THE COST OF CONSTRUCTING THE JOINT SHALL BE INCLUDED IN THE COST OF THE PCC DRIVEWAY PAVEMENT.

LONGITUNDAL SLOPE SHALL NOT EXCEED 8.0%.

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS**

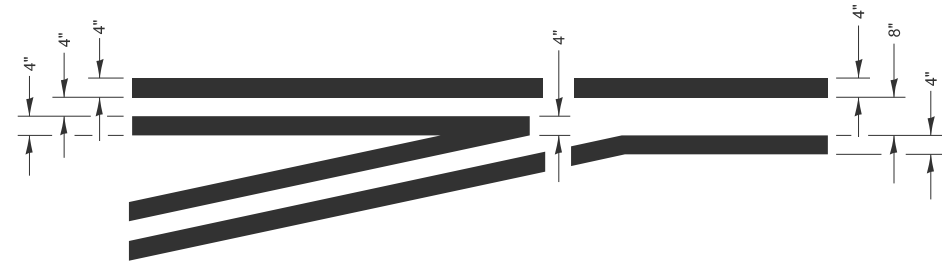
SCALE: N/A SHEET 3 OF 9 SHEETS STA. TO STA.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	287
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

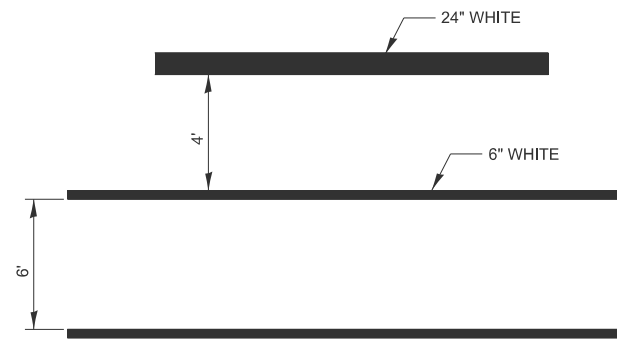
MODEL: SHT-DETAIL-3
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-detail.dgn



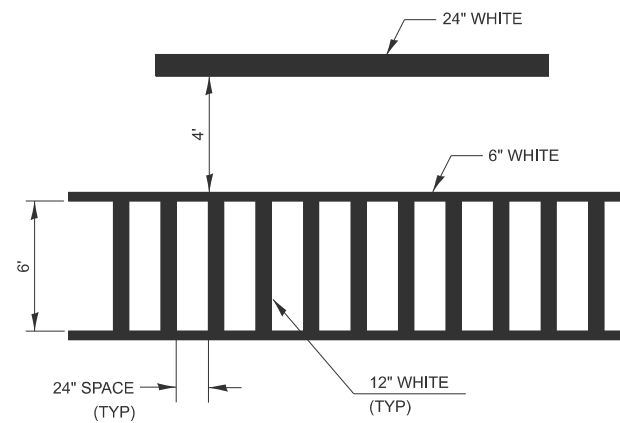
USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE -	REVISED -



**LEFT TURN LANE
TYPICAL APPLICATION**

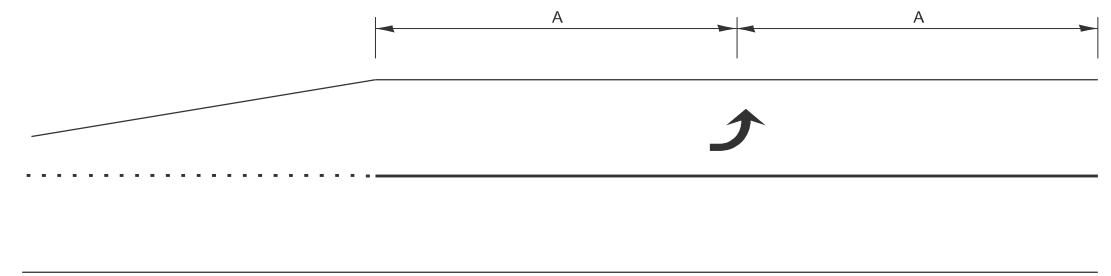


**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

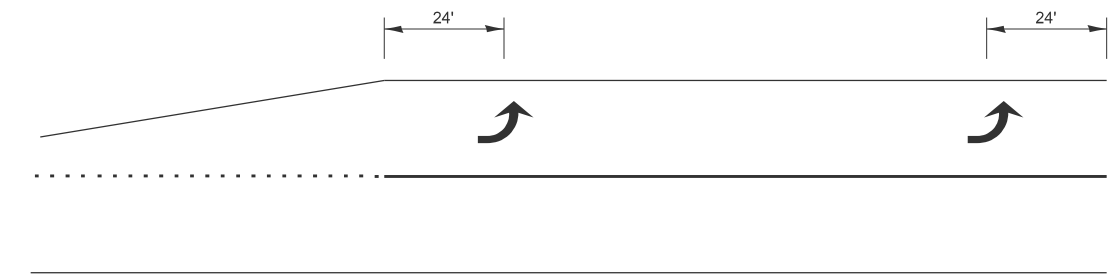


**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

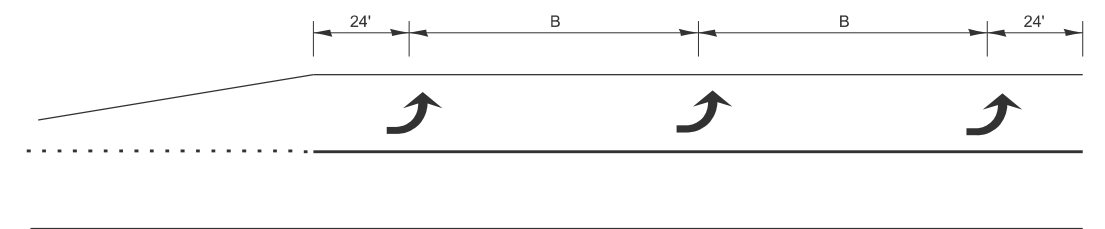
780-3
OPTION 2



99' AND UNDER



100' TO 149'



150' AND LONGER

**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

MODEL: SHT-DETAIL-4
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-detail.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE -	REVISED -

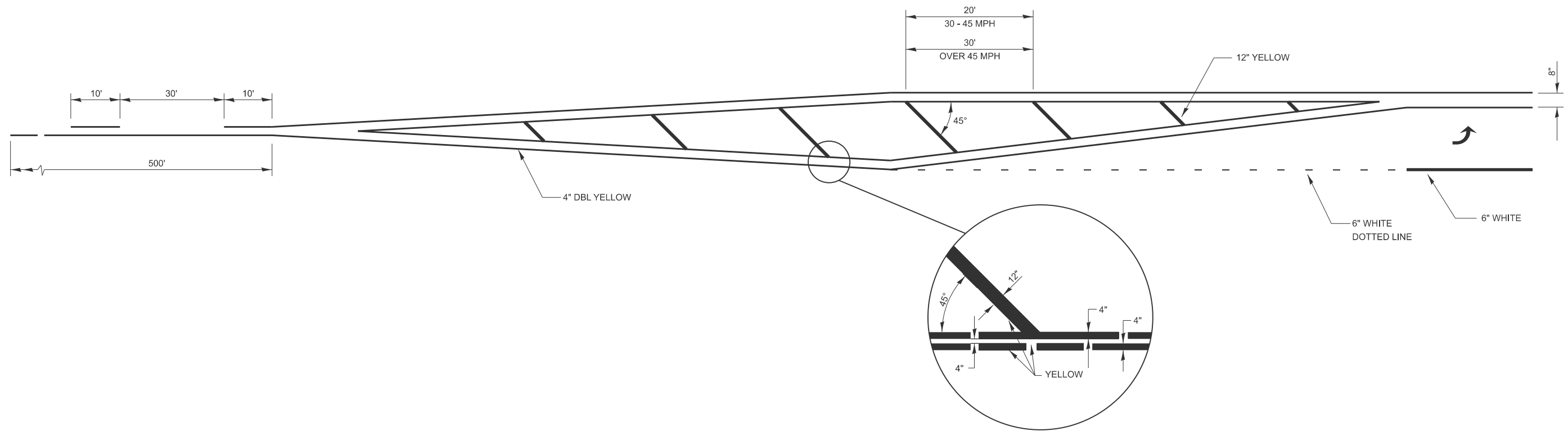
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

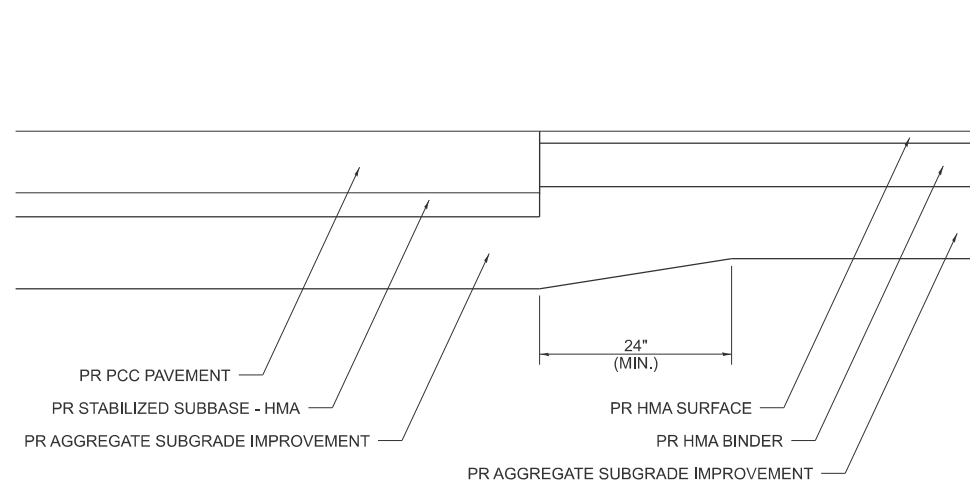
CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS

SCALE: N/A SHEET 4 OF 9 SHEETS STA. TO STA.

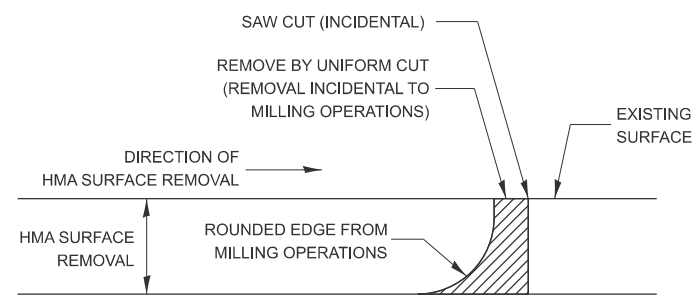
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	288
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



LEFT TURN LANE WITH APPROACH MEDIAN

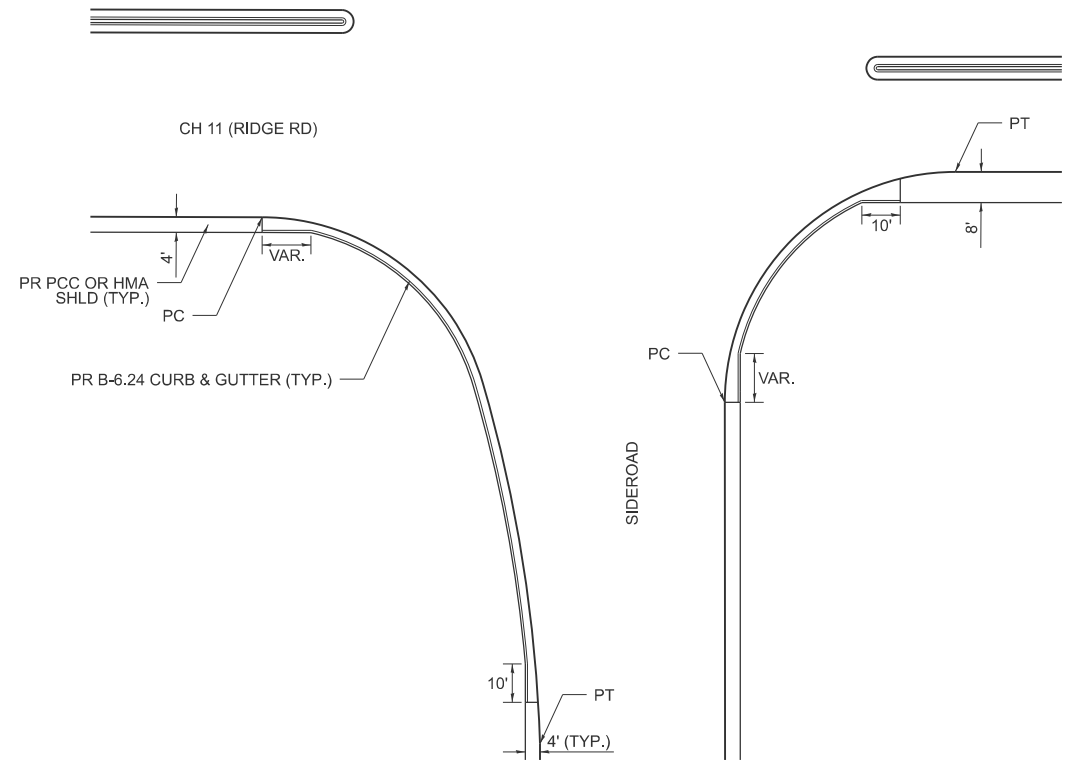


TRANSITION FROM MAINLINE TO SIDE ROAD PAVEMENT



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT MILLED EDGES



SIDEROAD INTERSECTION DETAIL

MISCELLANEOUS PAVEMENT DETAILS

NOTE: SEE PLAN & PROFILE SHEETS AND INTERSECTION DETAILS FOR MORE INFORMATION.

MODEL: SHT-DETAIL-5
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-detail.dgn



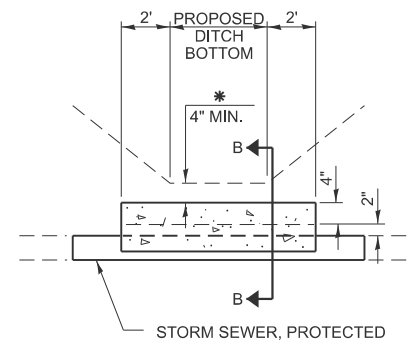
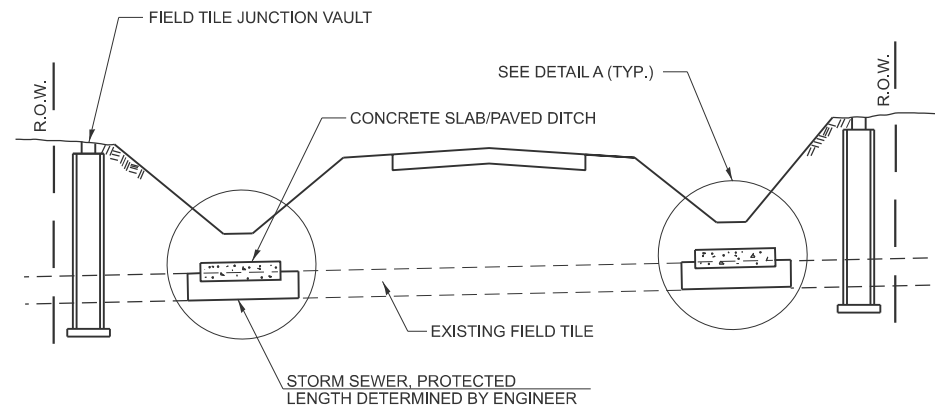
USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE -	REVISED -

KENDALL COUNTY
HIGHWAY DEPARTMENT

CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS

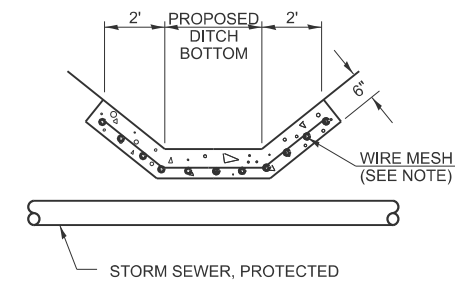
SCALE: N/A SHEET 5 OF 9 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	289
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

DETAIL A
NO SCALE

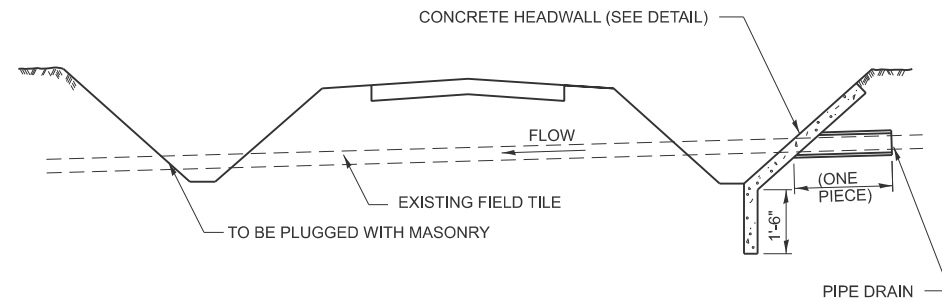


DETAIL C
NO SCALE

ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	8"
CONCRETE BUILDING BRICK, GRADE A	8"

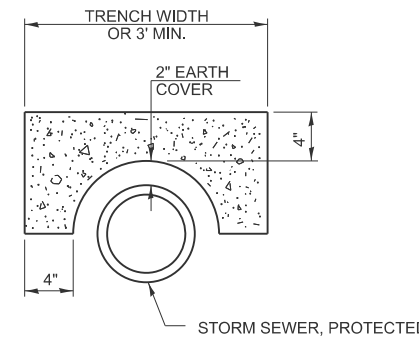
NOTES:

1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.



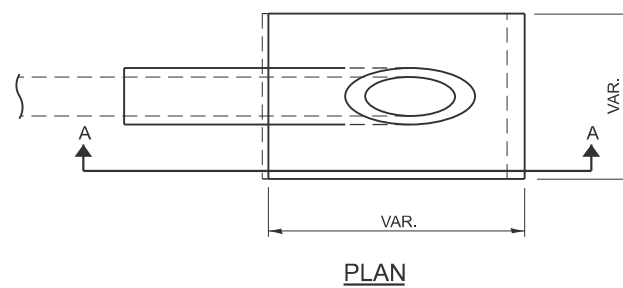
NOTES:

1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE."
3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.



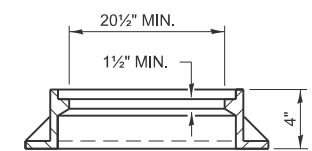
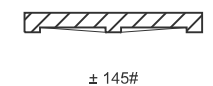
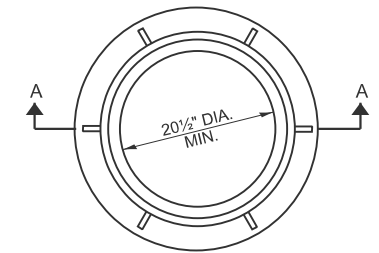
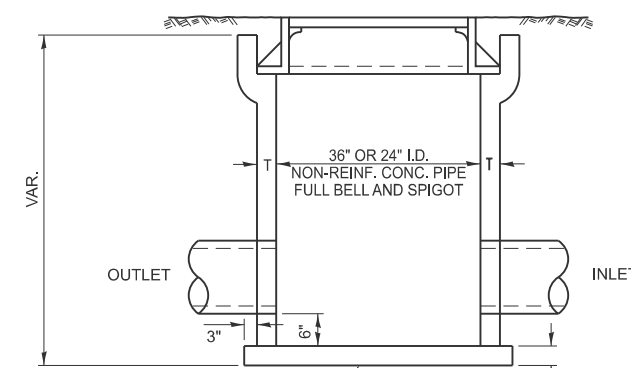
SECTION B-B

FIELD TILE REPLACEMENT

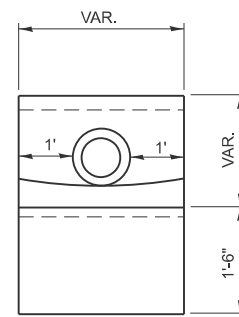
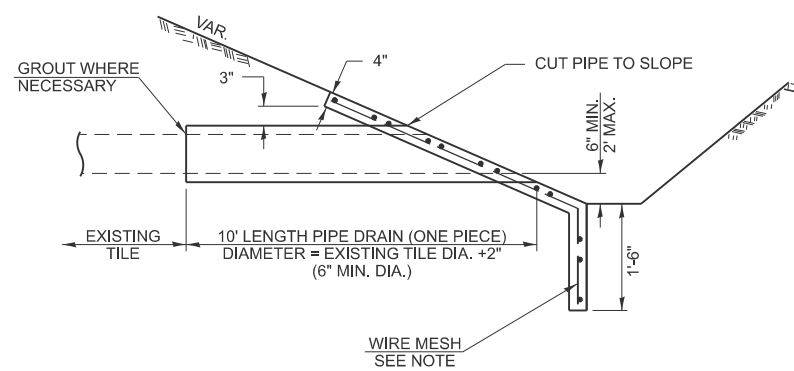


NOTES:

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

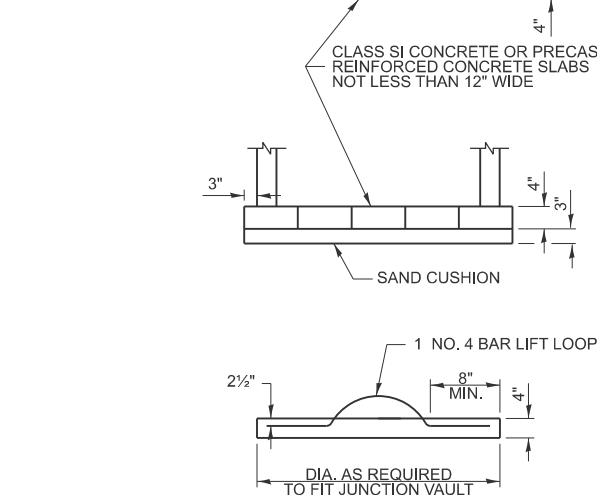


SECTION A-A



END VIEW

CLASS SI CONCRETE HEADWALLS



FIELD TILE JUNCTION VAULT

MODEL: SHT-DETAIL-6
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-detail.dgn



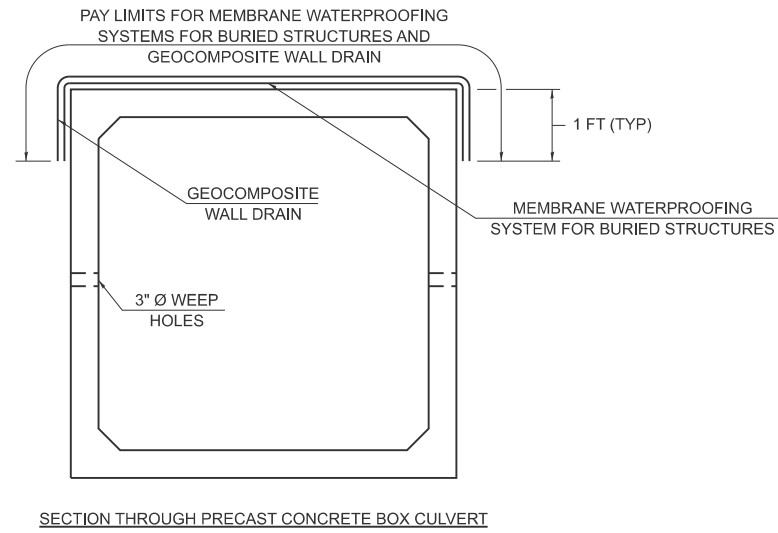
USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

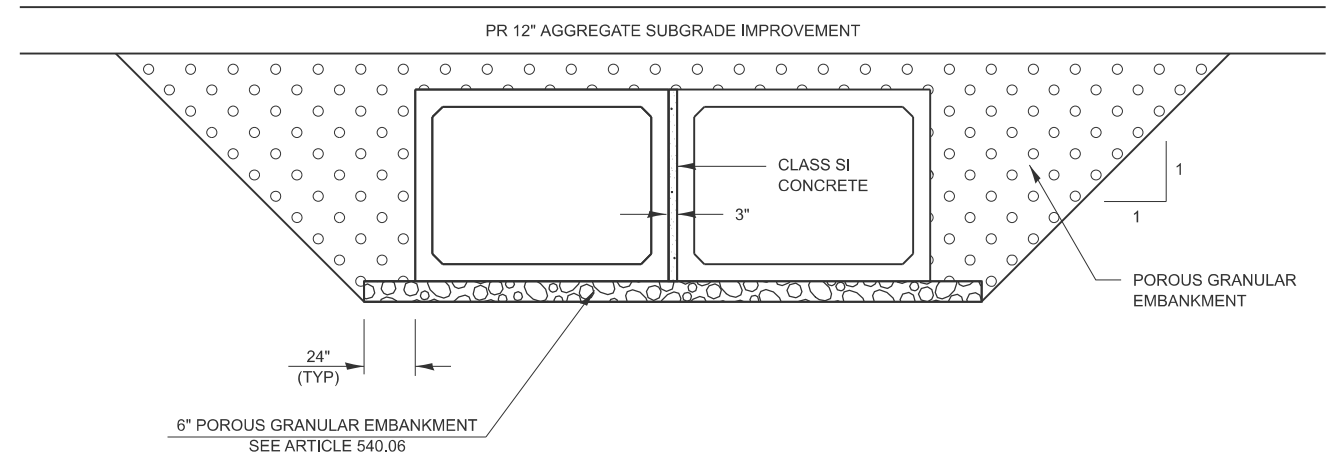
**CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS**

SCALE: N/A SHEET 6 OF 9 SHEETS STA. TO STA.

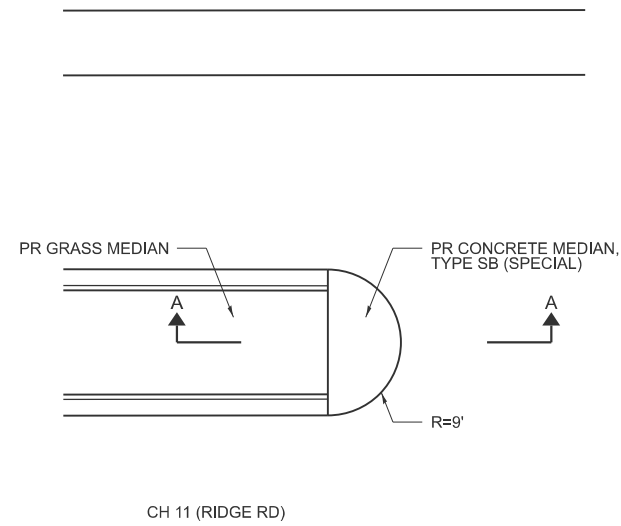
RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	290
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



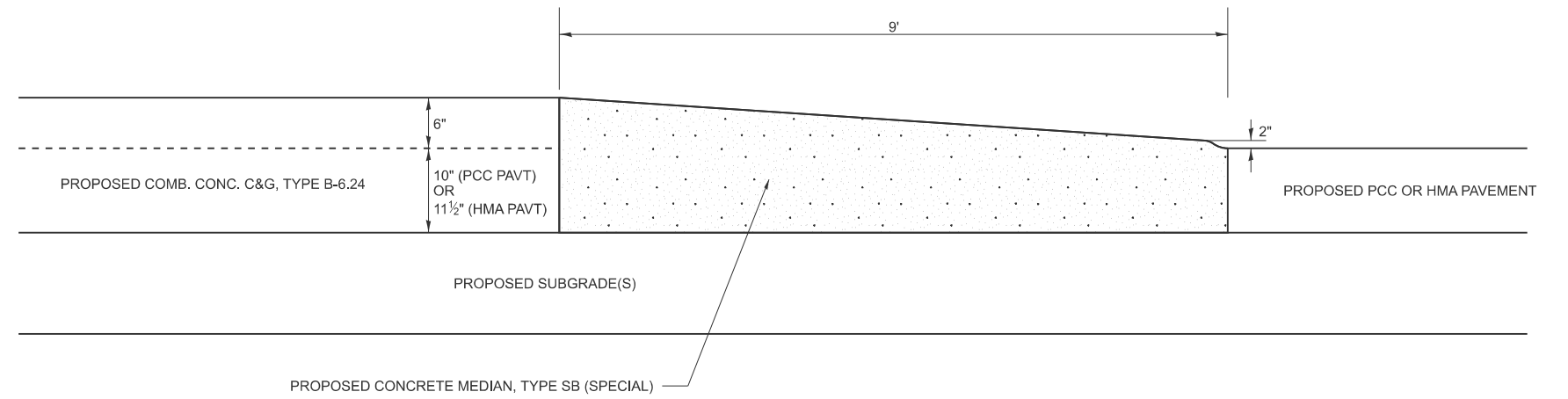
MEMBRANE WATERPROOFING FOR BURIED STRUCTURES AND GEOCOMPOSITE WALL DRAIN DETAIL



BOX CULVERT BACKFILLING DETAIL



PLAN
(NOT TO SCALE)



CONCRETE MEDIAN, TYPE SB (SPECIAL) DETAIL

NOTE: SEE PLAN & PROFILE SHEETS AND TYPICAL SECTIONS FOR MORE INFORMATION.

MODEL: SHT-DETAIL-7
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-detail.dgn



USER NAME = BDeCrane
DESIGNED -
DRAWN -
PLOT SCALE = \$\$SCALE\$
PLOT DATE = 3/16/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

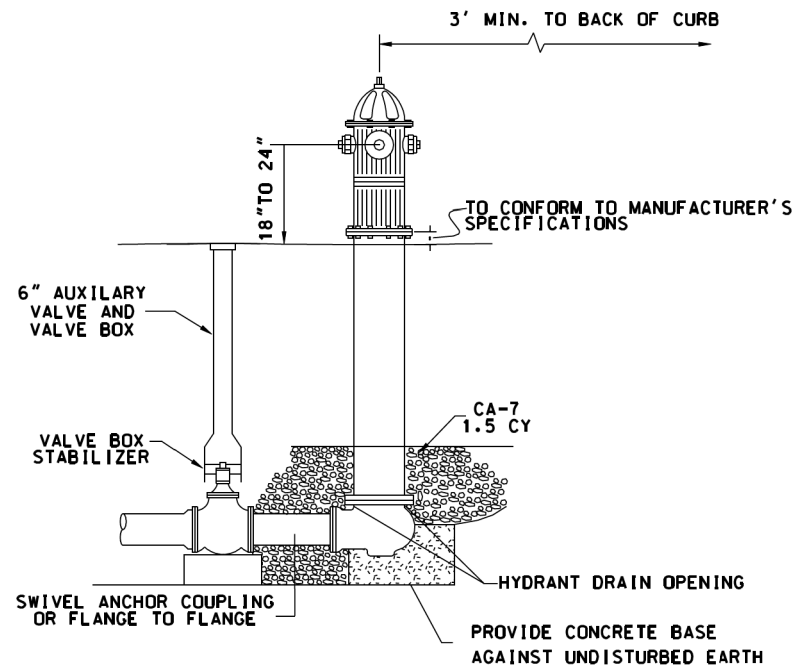
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS**

SCALE: N/A SHEET 7 OF 9 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	291
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

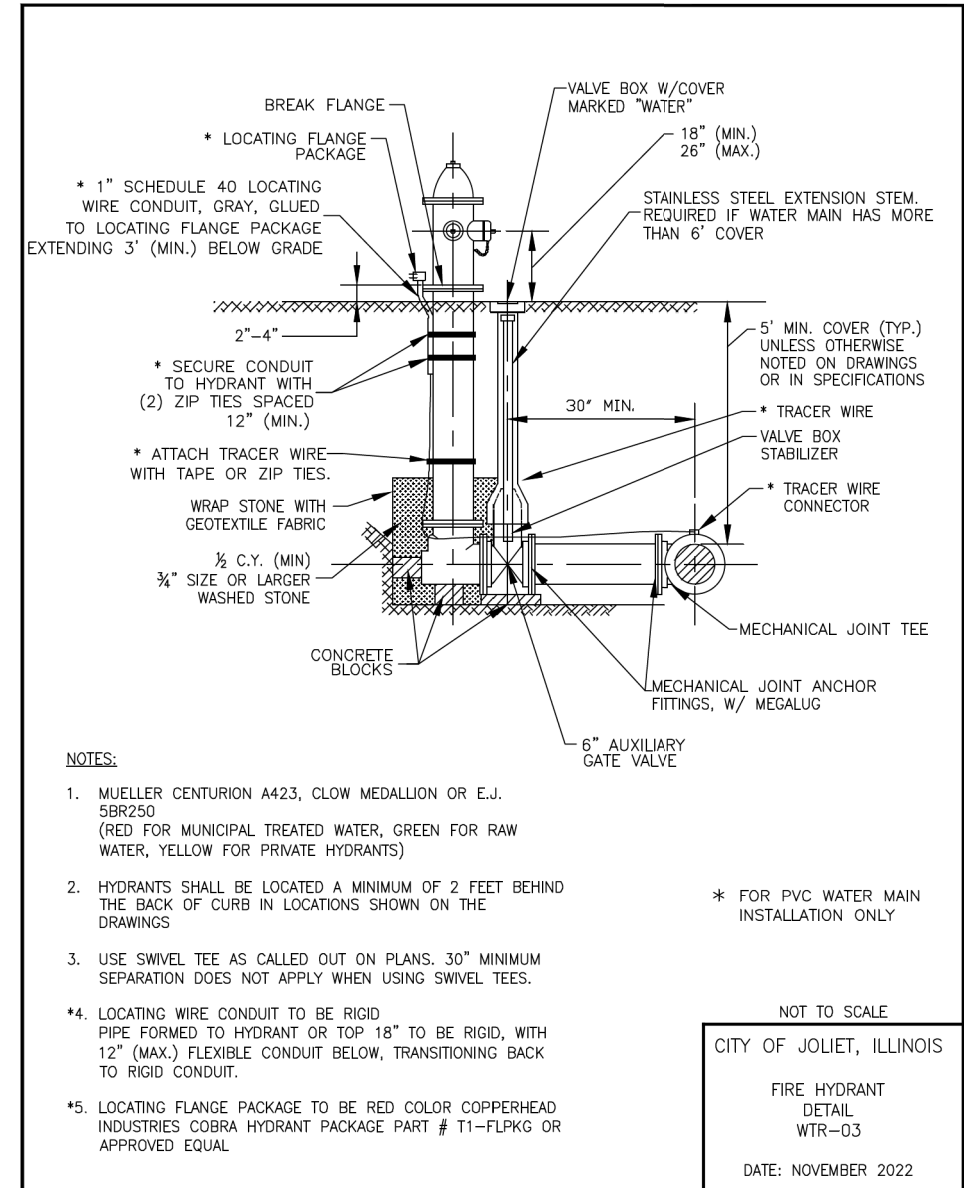
TYPICAL HYDRANT INSTALLATION



NOTE: CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M 17

MINOOKA STANDARD

VERSION 1.0



NOTES:

1. MUELLER CENTURION A423, CLOW MEDALLION OR E.J. 5BR250 (RED FOR MUNICIPAL TREATED WATER, GREEN FOR RAW WATER, YELLOW FOR PRIVATE HYDRANTS)
2. HYDRANTS SHALL BE LOCATED A MINIMUM OF 2 FEET BEHIND THE BACK OF CURB IN LOCATIONS SHOWN ON THE DRAWINGS
3. USE SWIVEL TEE AS CALLED OUT ON PLANS. 30" MINIMUM SEPARATION DOES NOT APPLY WHEN USING SWIVEL TEES.
- *4. LOCATING WIRE CONDUIT TO BE RIGID PIPE FORMED TO HYDRANT OR TOP 18" TO BE RIGID, WITH 12" (MAX.) FLEXIBLE CONDUIT BELOW, TRANSITIONING BACK TO RIGID CONDUIT.
- *5. LOCATING FLANGE PACKAGE TO BE RED COLOR COPPERHEAD INDUSTRIES COBRA HYDRANT PACKAGE PART # T1-FLPKG OR APPROVED EQUAL

* FOR PVC WATER MAIN INSTALLATION ONLY

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

FIRE HYDRANT
DETAIL
WTR-03

DATE: NOVEMBER 2022

MODEL: SHT-DETAIL-8
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\5552-sht-detail.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/16/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

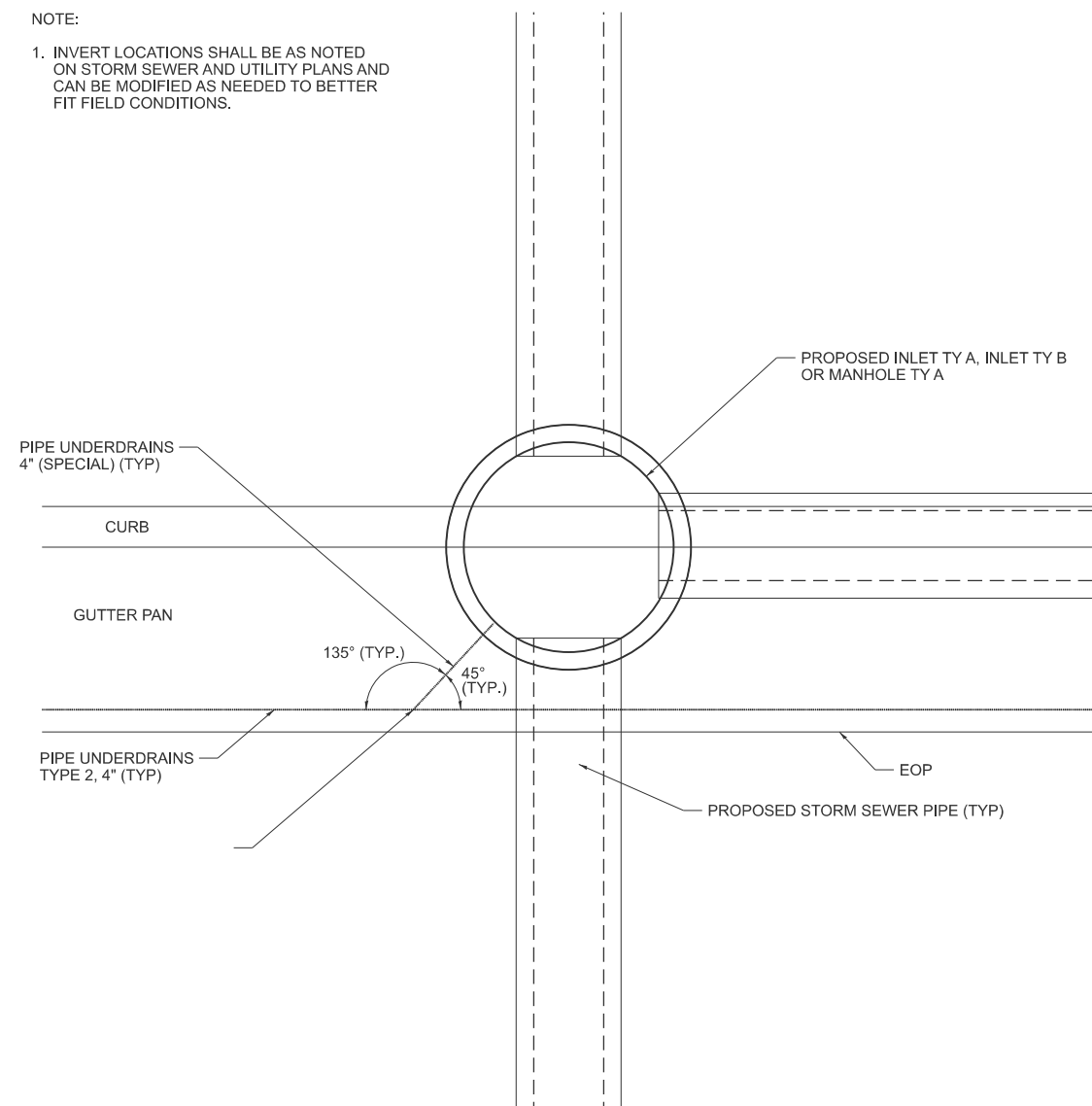
**CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS**

SCALE: N/A SHEET 8 OF 9 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	292
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

NOTE:

1. INVERT LOCATIONS SHALL BE AS NOTED ON STORM SEWER AND UTILITY PLANS AND CAN BE MODIFIED AS NEEDED TO BETTER FIT FIELD CONDITIONS.



AT CURB INLET

LONGITUDINAL PIPE UNDERDRAIN OUTLET DETAIL

NOTES

THE REFERENCE MARKERS SHALL BE CONSTRUCTED BY POURING CLASS SI CONCRETE INTO HOLES PREPARED BY A POST HOLE DIGGER OR OTHER APPROVED METHODS. FORMS WILL NOT BE REQUIRED. PRECAST MARKERS OF THE SAME SIZE AND CONSTRUCTION MAY BE USED.

IN CULTIVATED FIELDS REFERENCE MARKERS SHALL BE PLACED TWO FEET BELOW THE GROUND SURFACE. IN FENCE LINES OR PROTECTED AREAS THE TOP SHALL BE PLACED AT GROUND LEVEL.

THE FOLLOWING WORK SHALL BE DONE UNDER THE DIRECTION OF A REGISTERED LAND SURVEYOR OF THE STATE OF ILLINOIS:

VERIFY AND TIE OFF ALL U.S. PUBLIC LAND SURVEY MONUMENTS, SHOWN IN THE PLANS, PRIOR TO CONSTRUCTION OPERATIONS. TIE POINTS SHALL BE SUFFICIENT IN NUMBER AND IN LOCATIONS AS NOT TO BE DISTURBED DURING CONSTRUCTION OPERATIONS.

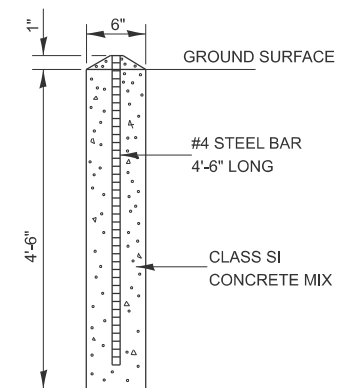
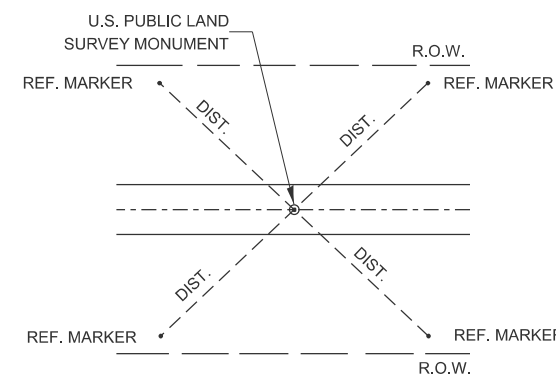
AFTER CONSTRUCTION OPERATIONS ARE COMPLETE, INSTALL A PERMANENT SURVEY MARKER OF THE TYPE SPECIFIED TO REPLACE THE U.S. PUBLIC LAND SURVEY MONUMENT THAT WAS DISPLACED OR COVERED DURING CONSTRUCTION. THE LETTERING REFERRING TO THE STATE OF ILLINOIS AND DIVISION OF HIGHWAYS SHALL BE OMITTED FROM THE PERMANENT SURVEY MARKER AND THE MARKER SHALL BE MARKED AS DIRECTED BY THE ENGINEER.

SET FOUR CONCRETE REFERENCE MARKERS FOR EACH U.S. PUBLIC LAND SURVEY MONUMENT.

PREPARE MONUMENT RECORDS, FILE THE RECORDS AT THE COUNTY RECORDER'S OFFICE, AND PROVIDE A COPY TO THE DISTRICT OFFICE.

LAND SECTION MARKERS

SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, WHICH WILL BE PAYMENT IN FULL FOR SETTING TIE POINTS, SETTING FOUR CONCRETE REFERENCE MARKERS, PREPARING MONUMENT RECORDS, RECORDING AT COUNTY RECORDER'S OFFICE AND PROVIDING A COPY TO THE DISTRICT OFFICE.



SECTION
CONCRETE REFERENCE MARKER

LAND SECTION MARKER DETAILS

MODEL: SHT-DETAIL-9
FILE NAME: V:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-sht-detail.dgn



USER NAME = BDeCrane	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/16/2026	DATE -	REVISED -

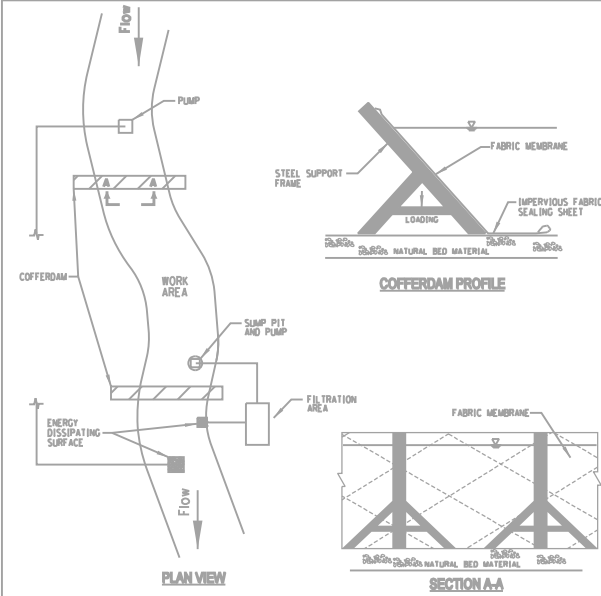
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
ENTRANCE AND SPECIAL DETAILS**

SCALE: N/A SHEET 9 OF 9 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	293
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

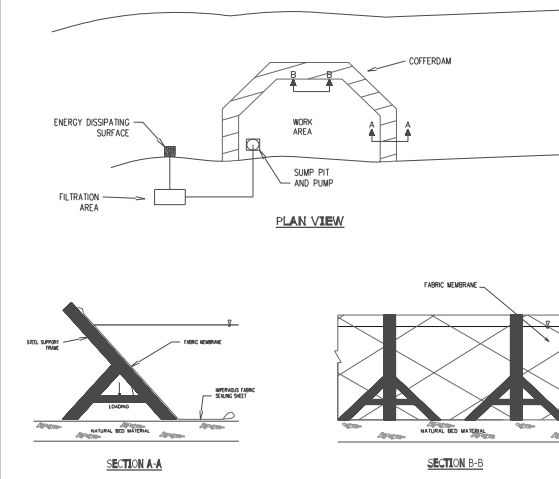
A-FRAME COFFERDAM



- NOTES:
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
 2. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.
 3. A-FRAME SHOULD BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS.

REFERENCE Project	DESIGNED _____ Date _____	STANDARD DWG. NO. IUM-503AF
Checked _____ Date _____	DESIGNED _____ Date _____	SHEET 1 OF 7
Approved _____ Date _____	CHECKED _____ Date _____	DATE 07-09-2012

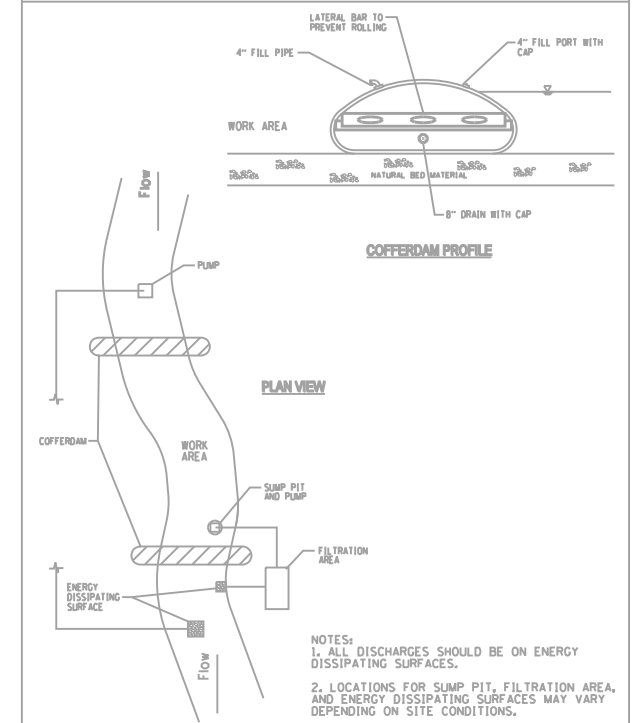
A-FRAME PARTIAL COFFERDAM



- NOTES:
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
 2. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.
 3. A-FRAME SHOULD BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS.

REFERENCE Project	DESIGNED _____ Date _____	STANDARD DWG. NO. IUM-503AP
Checked _____ Date _____	DESIGNED _____ Date _____	SHEET 2 OF 7
Approved _____ Date _____	CHECKED _____ Date _____	DATE 7-09-2012

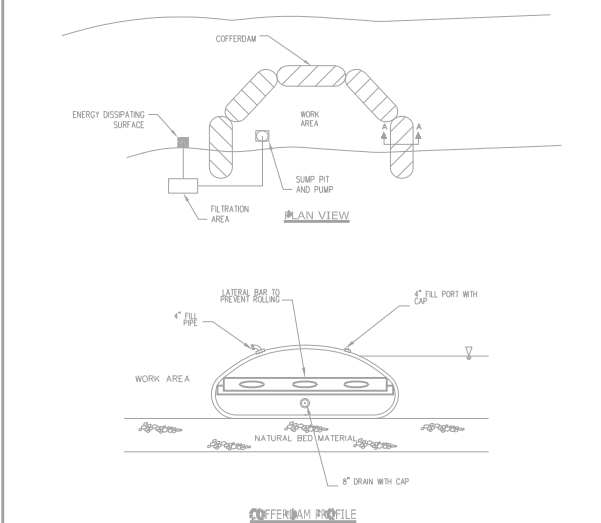
BLADDER COFFERDAM



- NOTES:
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
 2. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE Project	DESIGNED _____ Date _____	STANDARD DWG. NO. IUM-503BF
Checked _____ Date _____	DESIGNED _____ Date _____	SHEET 3 OF 7
Approved _____ Date _____	CHECKED _____ Date _____	DATE 07-09-2012

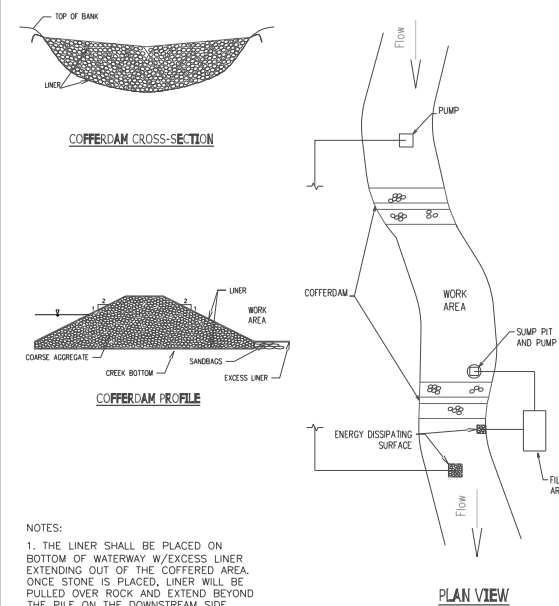
BLADDER PARTIAL COFFERDAM



- NOTES:
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
 2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE Project	DESIGNED _____ Date _____	STANDARD DWG. NO. IUM-503BP
Checked _____ Date _____	DESIGNED _____ Date _____	SHEET 4 OF 7
Approved _____ Date _____	CHECKED _____ Date _____	DATE 7-09-2012

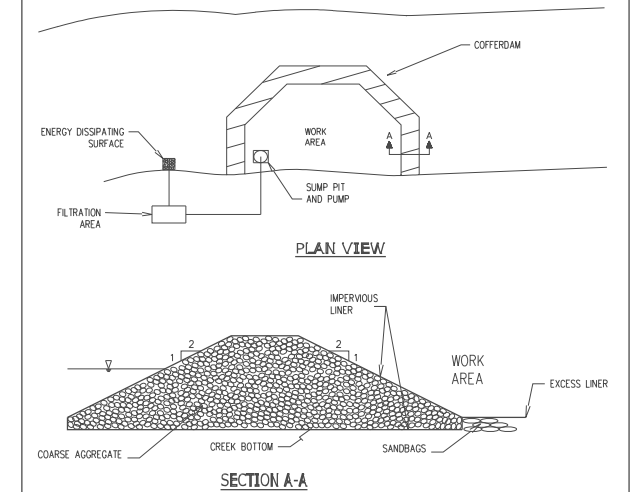
ROCK COFFERDAM



- NOTES:
1. THE LINER SHALL BE PLACED ON BOTTOM OF WATERWAY W/EXCESS LINER EXTENDING OUT OF THE COFFERED AREA. ONCE STONE IS PLACED, LINER WILL BE PULLED OVER ROCK AND EXTEND BEYOND THE PILE ON THE DOWNSTREAM SIDE. SANDBAGS WILL SECURE THE EXCESS LINER AS SHOWN. REFER TO THE STANDARD FOR LINER SPECIFICATIONS.

REFERENCE Project	DESIGNED _____ Date _____	STANDARD DWG. NO. IUM-503RF
Checked _____ Date _____	DESIGNED _____ Date _____	SHEET 5 OF 7
Approved _____ Date _____	CHECKED _____ Date _____	DATE 7-09-2012

ROCK PARTIAL COFFERDAM



- NOTES:
1. THE LINER SHALL BE PLACED ON BOTTOM OF WATERWAY W/EXCESS LINER EXTENDING OUT OF THE COFFERED AREA. ONCE STONE IS PLACED, LINER WILL BE PULLED OVER ROCK AND EXTEND BEYOND THE PILE ON THE DOWNSTREAM SIDE. SANDBAGS WILL SECURE THE EXCESS LINER AS SHOWN. REFER TO THE STANDARD FOR LINER SPECIFICATIONS.

REFERENCE Project	DESIGNED _____ Date _____	STANDARD DWG. NO. IUM-503RP
Checked _____ Date _____	DESIGNED _____ Date _____	SHEET 6 OF 7
Approved _____ Date _____	CHECKED _____ Date _____	DATE 7-09-2012

MODEL: SHT-DETAIL-1
FILE NAME: V:5552 - Ridge Road - Hot to Black - Phase II/CADD/CADD Sheets/5552-sht-detail/IUM - rev 3-15-26.dgn



USER NAME = BWedemder
DESIGNED -
DRAWN -
PLOT SCALE = \$SCALE\$
PLOT DATE = 3/15/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

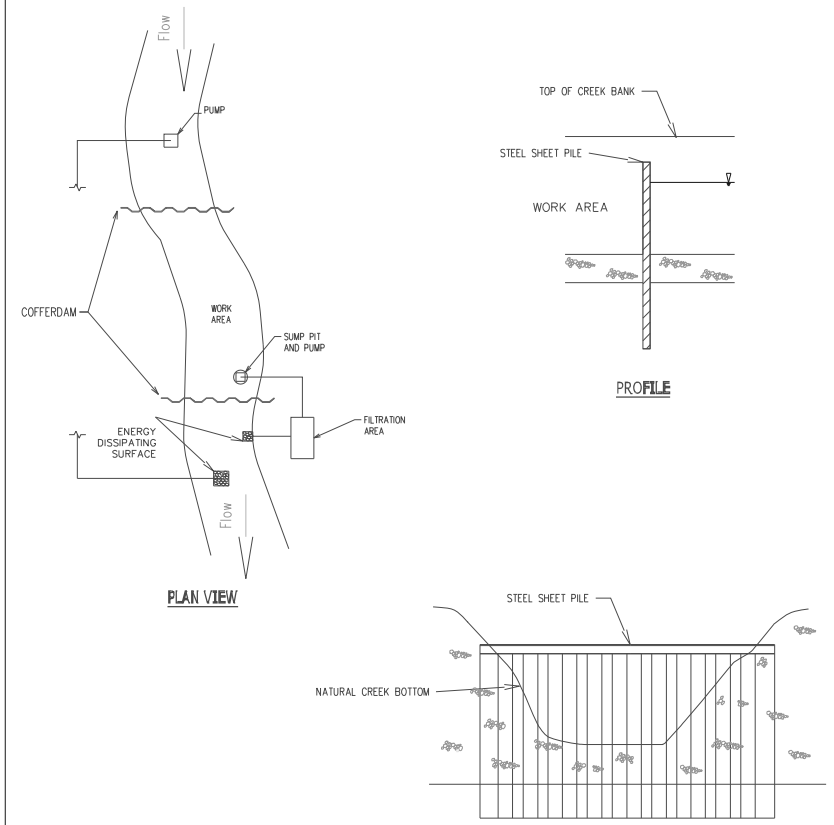
**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
IUM SPECIAL DETAILS**

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	294
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

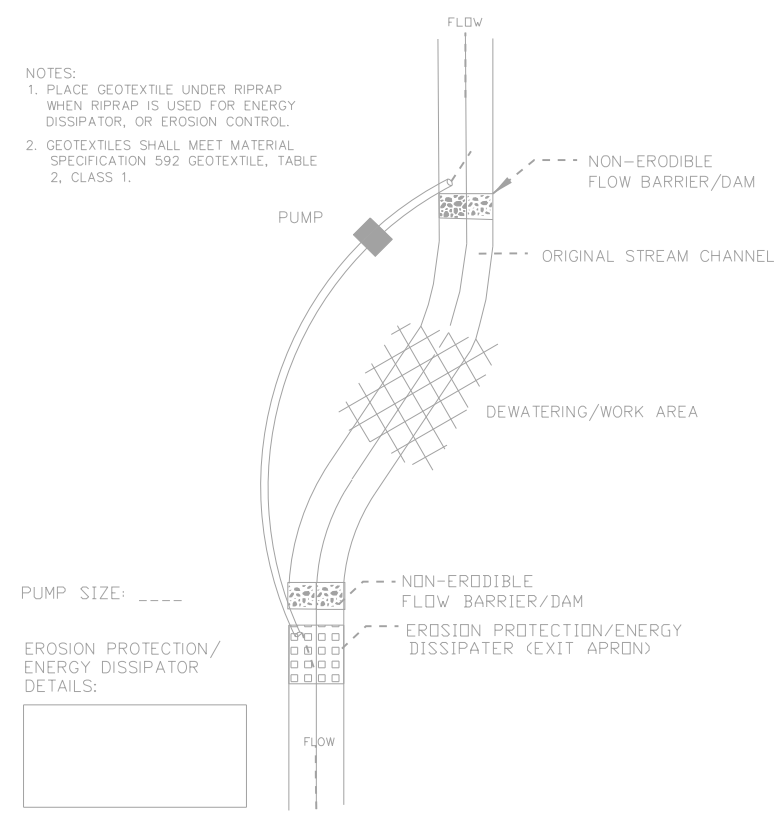
STEEL SHEET PILE COFFERDAM



NOTES:
 1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES
 2. LOCATION FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE Project _____		STANDARD DWG. NO. IUM-503SS
Designed _____ Date _____		SHEET 7 OF 7
Checked _____ Date _____		DATE 7-09-2012
Approved _____ Date _____		

TEMPORARY STREAM DIVERSION - BYPASS PUMP



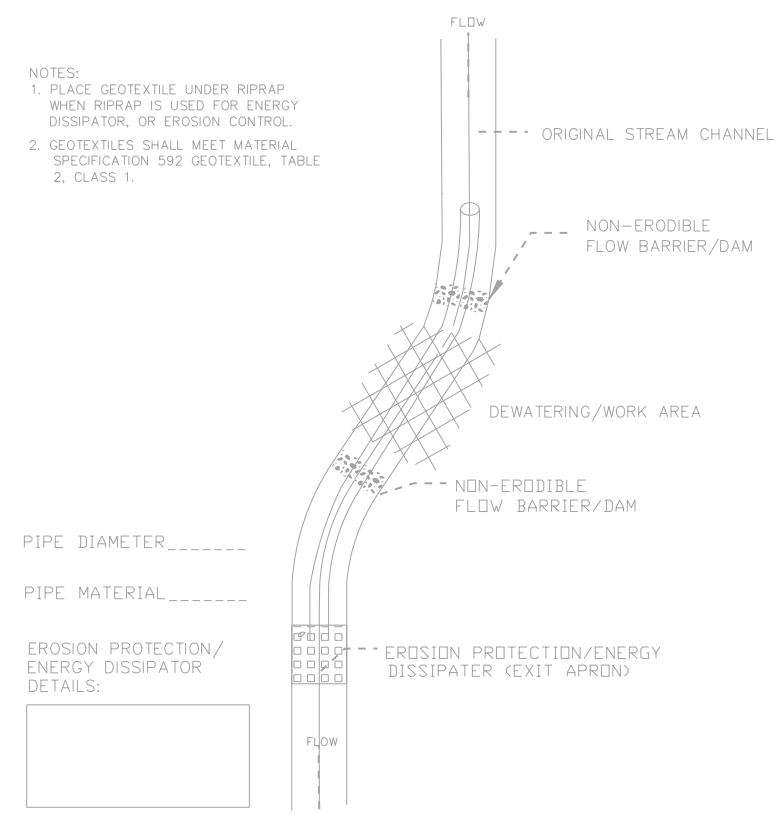
PUMP SIZE: _____

EROSION PROTECTION/ENERGY DISSIPATOR DETAILS:

TYPICAL PUMPED DIVERSION PLAN

REFERENCE Project _____		STANDARD DWG. NO. IUM-676BP
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 7-29-2011
Approved _____ Date _____		

TEMPORARY STREAM DIVERSION - PIPE DIVERSION



PIPE DIAMETER _____

PIPE MATERIAL _____

EROSION PROTECTION/ENERGY DISSIPATOR DETAILS:

TYPICAL PIPE DIVERSION PLAN

REFERENCE Project _____		STANDARD DWG. NO. IUM-676PD
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 7-29-2011
Approved _____ Date _____		

MODEL: SHT-DETAIL-2
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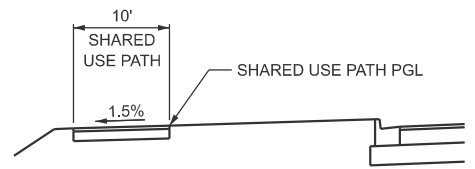
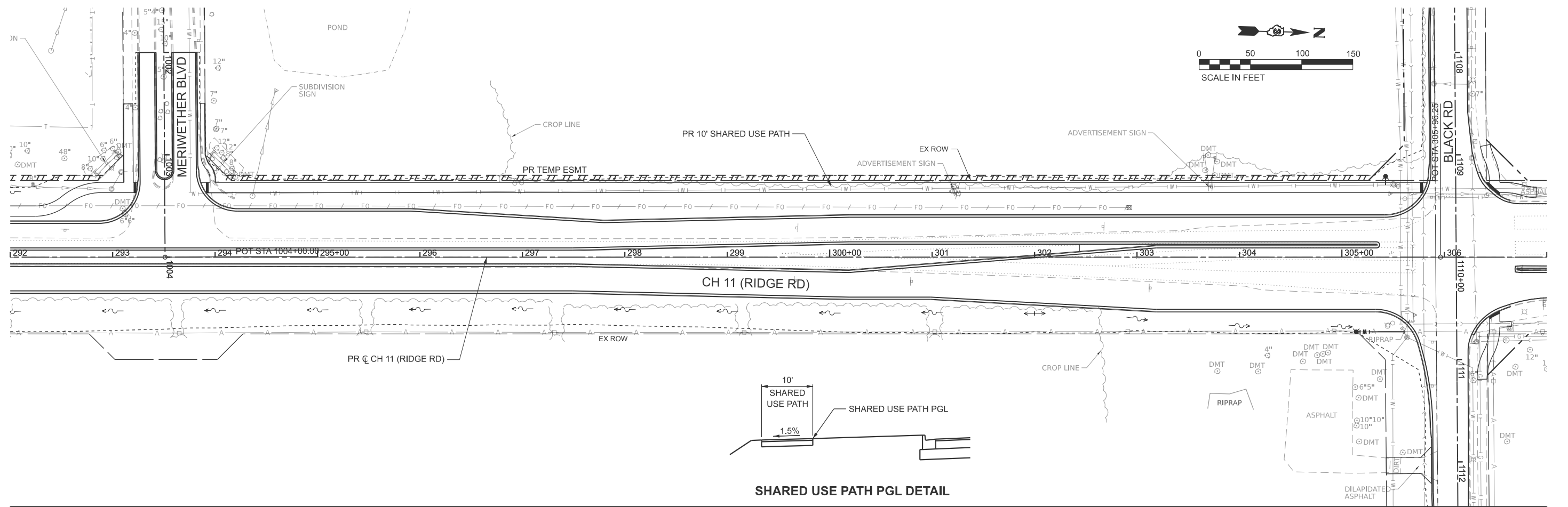
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PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 3/15/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**KENDALL COUNTY
 HIGHWAY DEPARTMENT**

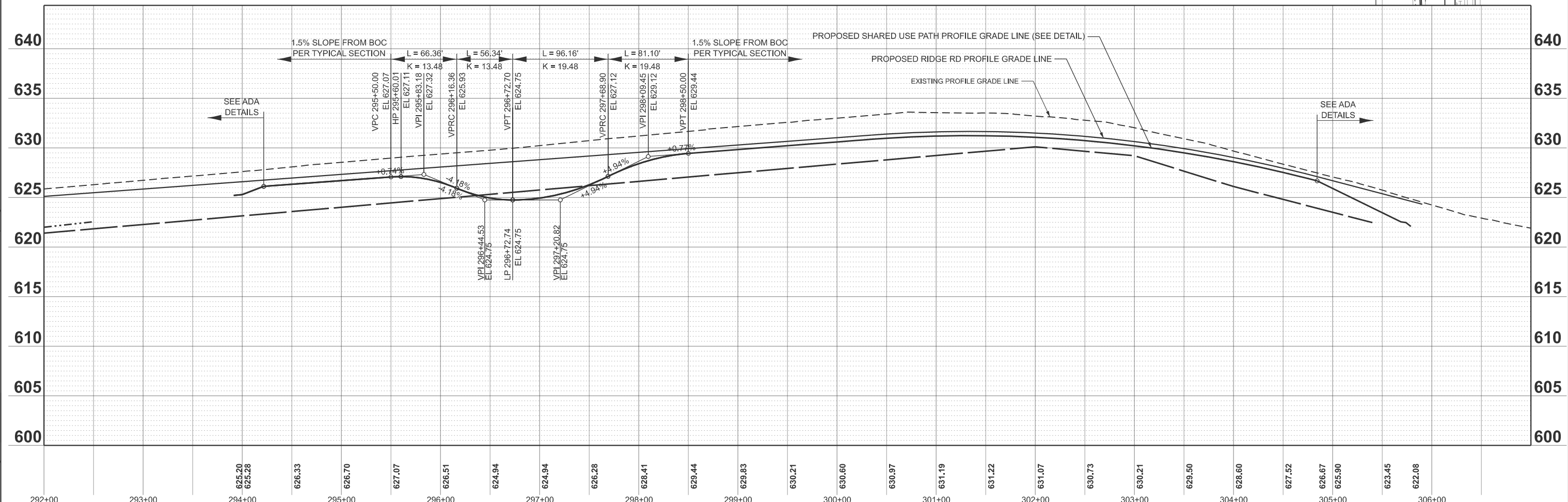
**CH 11 (RIDGE RD)
 IUM SPECIAL DETAILS**

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	295
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



SHARED USE PATH PGL DETAIL



MODEL: PR_RIDGE-1 - Plan 1 [Sheet]
FILE NAME: Y:\5552 - Ridge Road - Holt to Black - Phase II\CADD\CADD Sheets\552-shf-detail-bikepath.dgn

292+00	293+00	294+00	295+00	296+00	297+00	298+00	299+00	300+00	301+00	302+00	303+00	304+00	305+00	306+00																			
		625.20 625.28	626.33	626.70	627.07	626.51	624.94	624.94	626.28	628.41	629.44	629.83	630.21	630.60	630.97	631.19	631.22	631.07	630.73	630.21	629.50	628.60	627.52	626.67	625.90	623.45	622.08						
USER NAME = BWedemder		DESIGNED -		REVISED -		DRAWN -		REVISED -		CHECKED -		REVISED -		DATE -		REVISED -																	
PLOT SCALE = \$SCALE\$		CHECKED -		REVISED -		DATE -		REVISED -										KENDALL COUNTY HIGHWAY DEPARTMENT		CH 11 (RIDGE RD) SHARED USE PATH DETAIL		SCALE: N/A		SHEET 1 OF 1 SHEETS		STA. 292+00.00 TO STA. 307+00.00		RTE. NO. SECTION COUNTY TOTAL SHEETS SHEET NO.		CH11 22-00168-00-RP KENDALL 367 296		CONTRACT NO. 87899	
PLOT DATE = 2/8/2026		DATE -		REVISED -		REVISED -		REVISED -										ILLINOIS FED. AID PROJECT															

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: PFL RIDGE - 71+00.00 [Sheet]
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USER NAME =	BDeCrane
DESIGNED -	
DRAWN -	
PLOT SCALE =	\$\$\$CALE\$
PLOT DATE =	2/6/2026

CHECKED -	
DATE -	

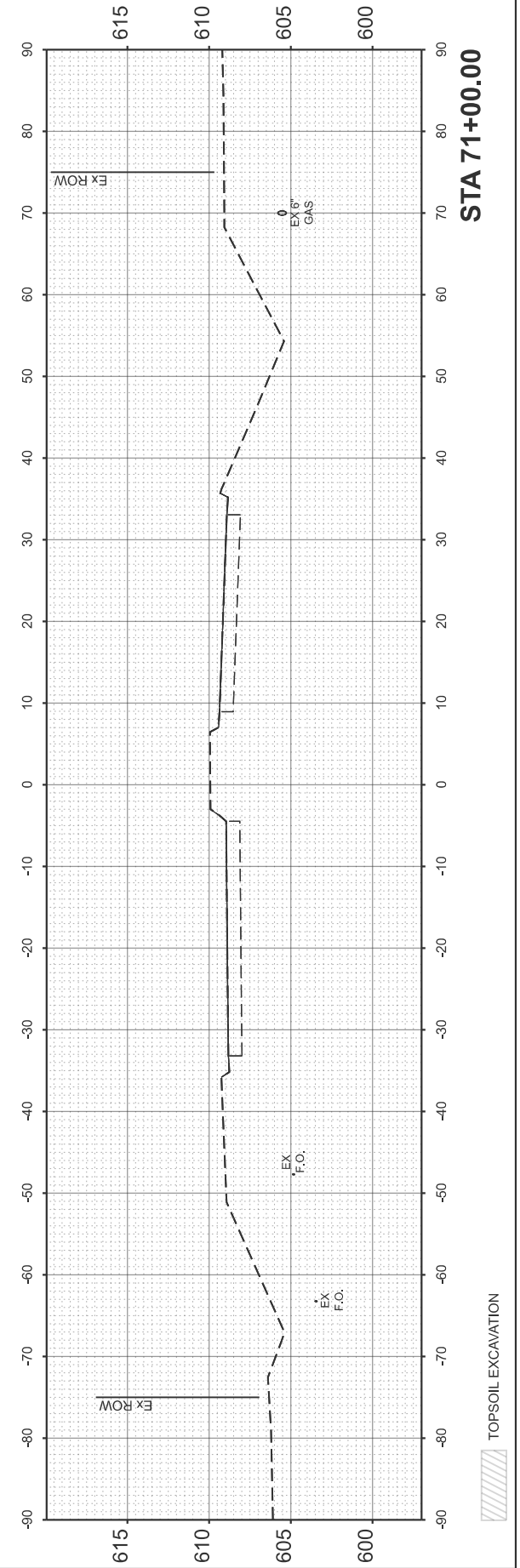
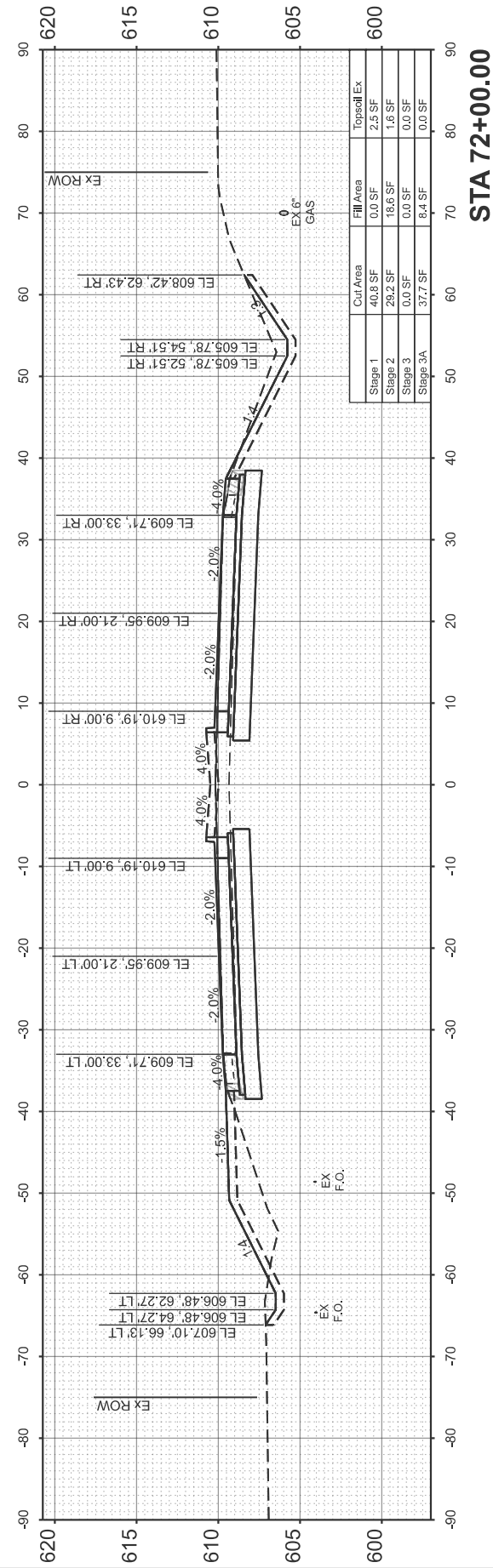
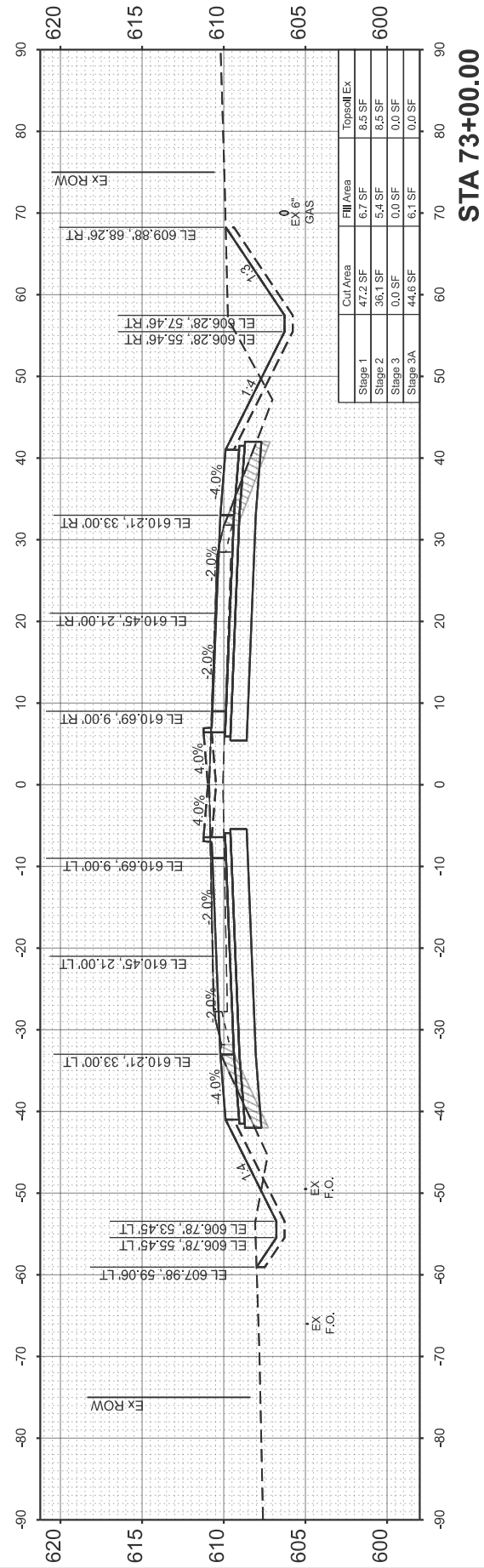
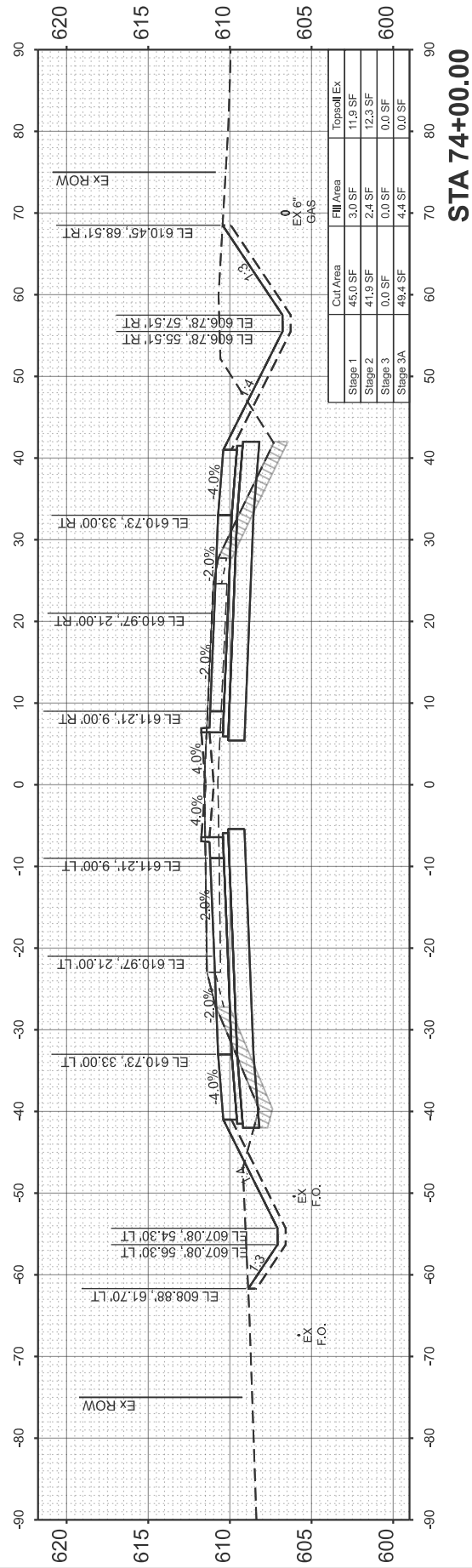
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
CROSS SECTIONS**

SCALE: H=10 V=5 SHEET 1 OF 65 SHEETS STA. TO STA.

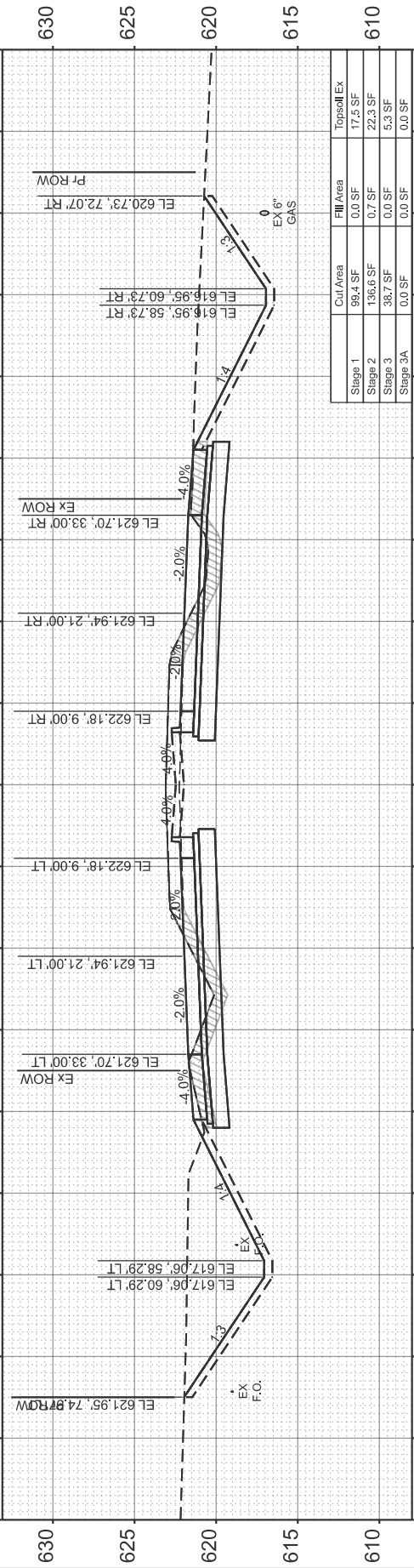
RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	297
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SURVEYED	BY	DATE
PLOTTED	TEMPLATED		
NOTE BOOK	AREAS CHECKED		
NO.			

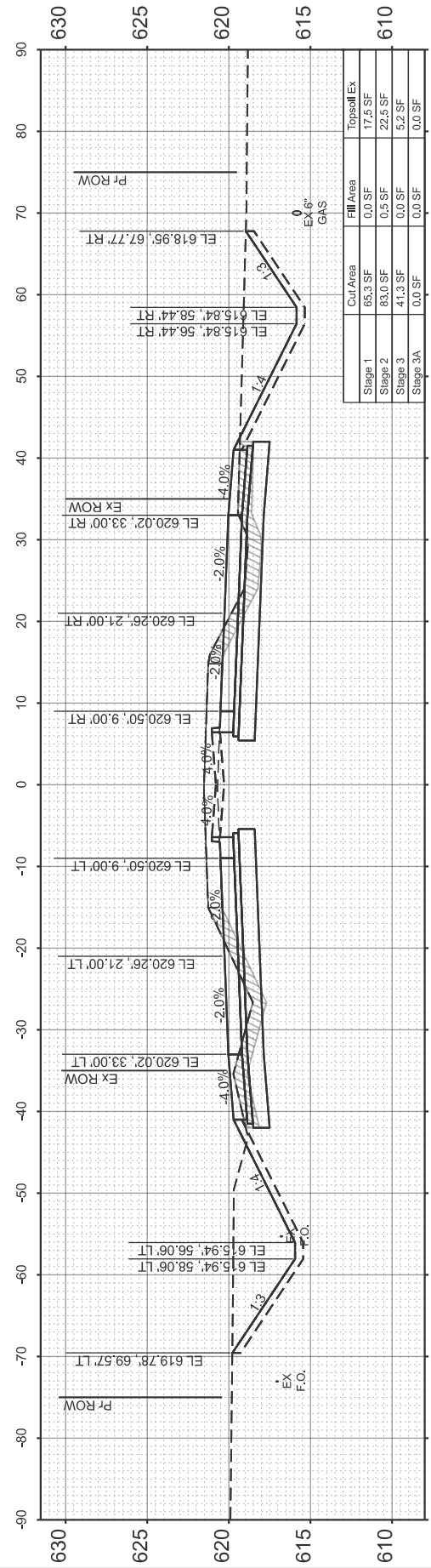
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PLOTTED	TEMPLATED		
NOTE BOOK	AREAS CHECKED		
NO.			

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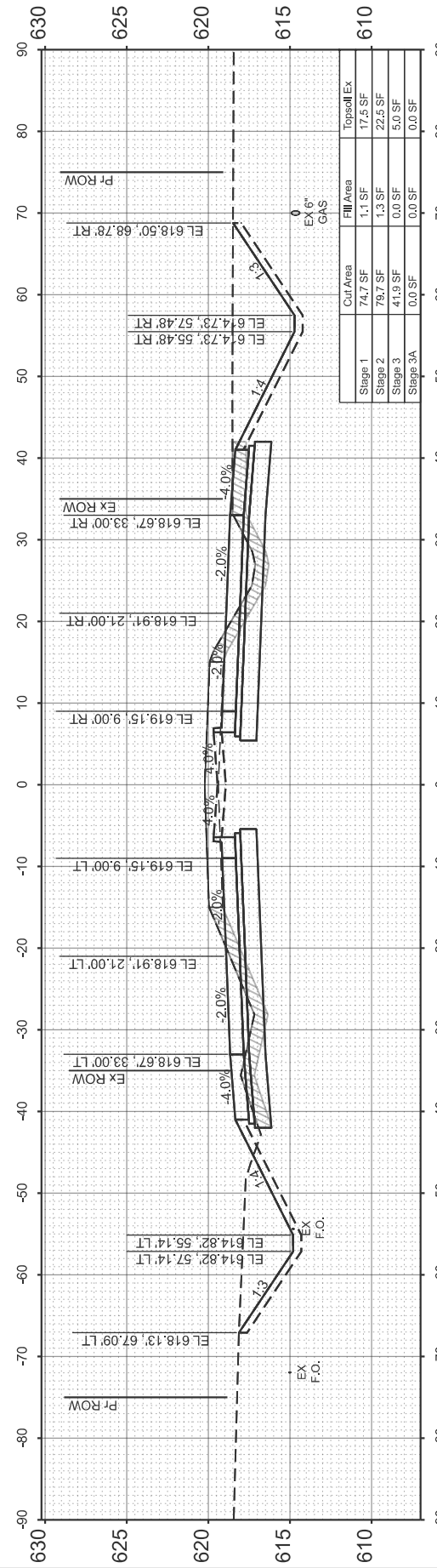
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Stage	Cut Area	Fill Area	Topsoil Ex
Stage 1	98.4 SF	0.0 SF	17.5 SF
Stage 2	136.6 SF	0.7 SF	22.3 SF
Stage 3	38.7 SF	0.0 SF	5.3 SF
Stage 3A	0.0 SF	0.0 SF	0.0 SF



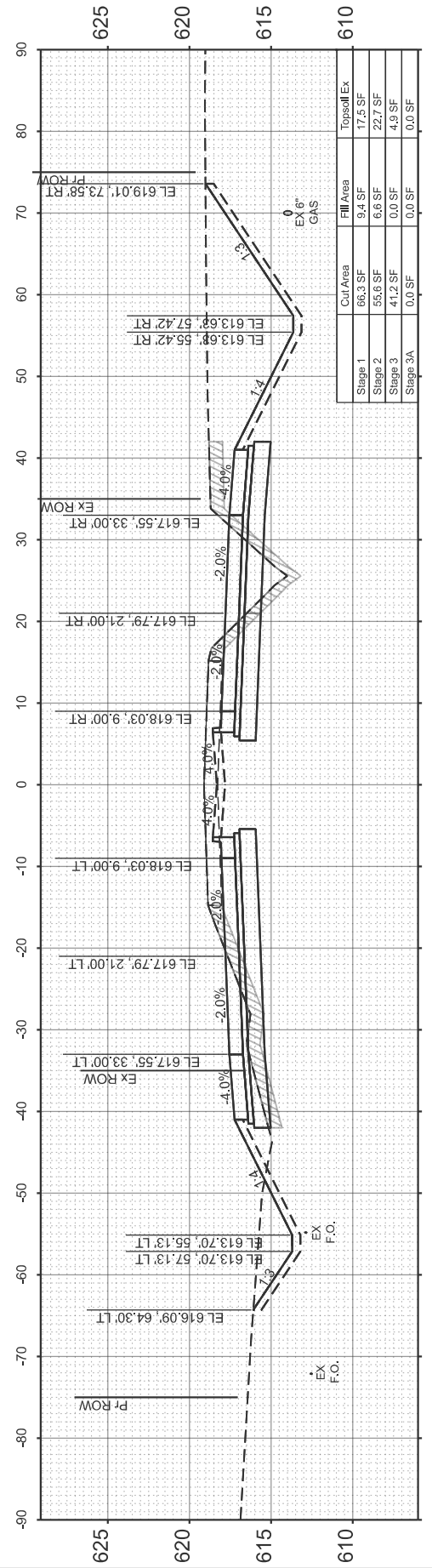
STA 83+00.00

Stage	Cut Area	Fill Area	Topsoil Ex
Stage 1	65.3 SF	0.0 SF	17.5 SF
Stage 2	83.0 SF	0.5 SF	22.5 SF
Stage 3	41.3 SF	0.0 SF	5.2 SF
Stage 3A	0.0 SF	0.0 SF	0.0 SF



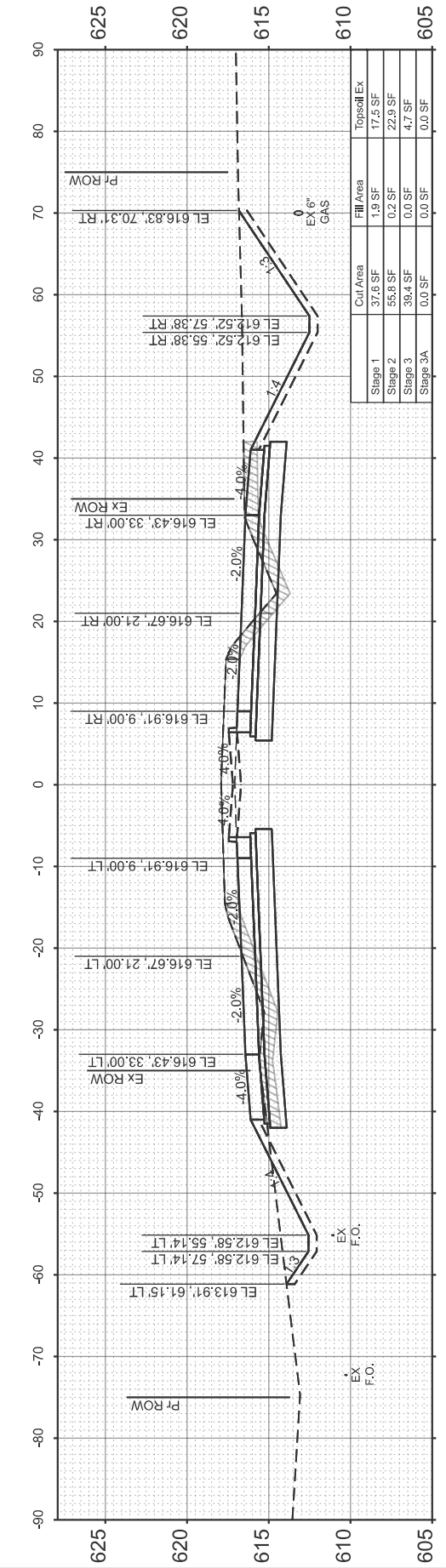
STA 82+00.00

Stage	Cut Area	Fill Area	Topsoil Ex
Stage 1	74.7 SF	1.1 SF	17.5 SF
Stage 2	78.7 SF	1.3 SF	22.5 SF
Stage 3	41.9 SF	0.0 SF	5.0 SF
Stage 3A	0.0 SF	0.0 SF	0.0 SF



STA 81+00.00

Stage	Cut Area	Fill Area	Topsoil Ex
Stage 1	66.3 SF	9.4 SF	17.5 SF
Stage 2	56.6 SF	6.6 SF	22.7 SF
Stage 3	41.2 SF	0.0 SF	4.9 SF
Stage 3A	0.0 SF	0.0 SF	0.0 SF



STA 80+00.00

Stage	Cut Area	Fill Area	Topsoil Ex
Stage 1	37.6 SF	1.9 SF	17.5 SF
Stage 2	55.8 SF	0.2 SF	22.9 SF
Stage 3	39.4 SF	0.0 SF	4.7 SF
Stage 3A	0.0 SF	0.0 SF	0.0 SF



USER NAME = BDeCrane
 PLOT SCALE = \$SCALE\$
 PLOT DATE = 2/9/2026

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

KENDALL COUNTY
 HIGHWAY DEPARTMENT

CH 11 (RIDGE RD)
 CROSS SECTIONS

SCALE: H=10 V=5 SHEET 3 OF 65 SHEETS STA. TO STA.

RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	299
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

TOPSOIL EXCAVATION

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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DESIGNED	-
DRAWN	-
PLOT SCALE	= \$\$CALE\$
PLotted DATE	= 2/6/2026

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**KENDALL COUNTY
HIGHWAY DEPARTMENT**

**CH 11 (RIDGE RD)
CROSS SECTIONS**

SCALE: H=10 V=5 SHEET 4 OF 65 SHEETS STA. TO STA.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH11	22-00168-00-RP	KENDALL	367	300
CONTRACT NO. 87899				
ILLINOIS FED. AID PROJECT				

