

GREEN BAY ROAD | 1235+00

CL GREEN BAY ROAD

GREEN BAY RD AT 2722 SW CORNER - SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	1234+86.08	19.50	606.75
B	1234+86.06	21.05	606.76
C	1234+86.09	23.08	606.86
D	1234+86.10	28.08	606.89
E	1234+86.12	33.08	606.92 *
F	1234+77.91	33.08	606.93 *
G	1234+72.81	33.08	607.25 *
H	1234+67.81	33.08	607.57 *
I	1234+62.81	33.08	607.63 *
J	1234+57.81	33.08	607.65 *
K	1234+57.81	28.08	607.57
L	1234+57.81	23.11	607.50
M	1234+62.81	23.08	607.44
N	1234+67.81	23.08	607.36
O	1234+72.81	19.50	606.80
P	1234+72.81	21.08	606.81
Q	1234+72.81	23.08	606.97
R	1234+75.90	28.08	606.92
S	1234+72.81	28.08	607.17
T	1234+67.81	28.08	607.49
U	1234+62.81	28.08	607.55

GREEN BAY RD AT 2722 NW CORNER - SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	1234+86.08	19.50	606.75
B	1234+86.06	21.05	606.76
C	1234+86.09	23.08	606.86
D	1234+86.10	28.08	606.89
E	1234+86.12	33.08	606.92 *
AF	1234+94.42	33.08	606.94 *
AG	1234+99.42	33.08	607.14
AH	1235+04.42	33.08	607.22
AI	1235+09.42	33.08	607.30 *
AJ	1235+14.42	33.08	607.36 *
AK	1235+14.42	28.08	607.30
AL	1235+14.42	23.10	607.22
AM	1235+09.42	23.08	607.14
AN	1235+04.42	23.08	607.06
AO	1234+99.39	19.50	606.74
AP	1234+99.41	21.08	606.75
AQ	1234+99.42	23.08	606.86
AR	1234+96.33	28.08	606.90
AS	1234+99.42	28.08	607.06
AT	1235+04.42	28.08	607.14
AU	1235+09.42	28.08	607.22

LEGEND:

- PROPOSED ELEVATION
- EXISTING ELEVATION
- SIDEWALK/PAVEMENT GRADE
- EXISTING GRADE
- DETECTABLE WARNING TILE
- CC&G, TYPE B-6.12
- DEPRESSED CURB
- TRAFFIC SIGNAL POST
- PEDESTRIAN PUSH BUTTON
- PROPOSED SIDE CURB

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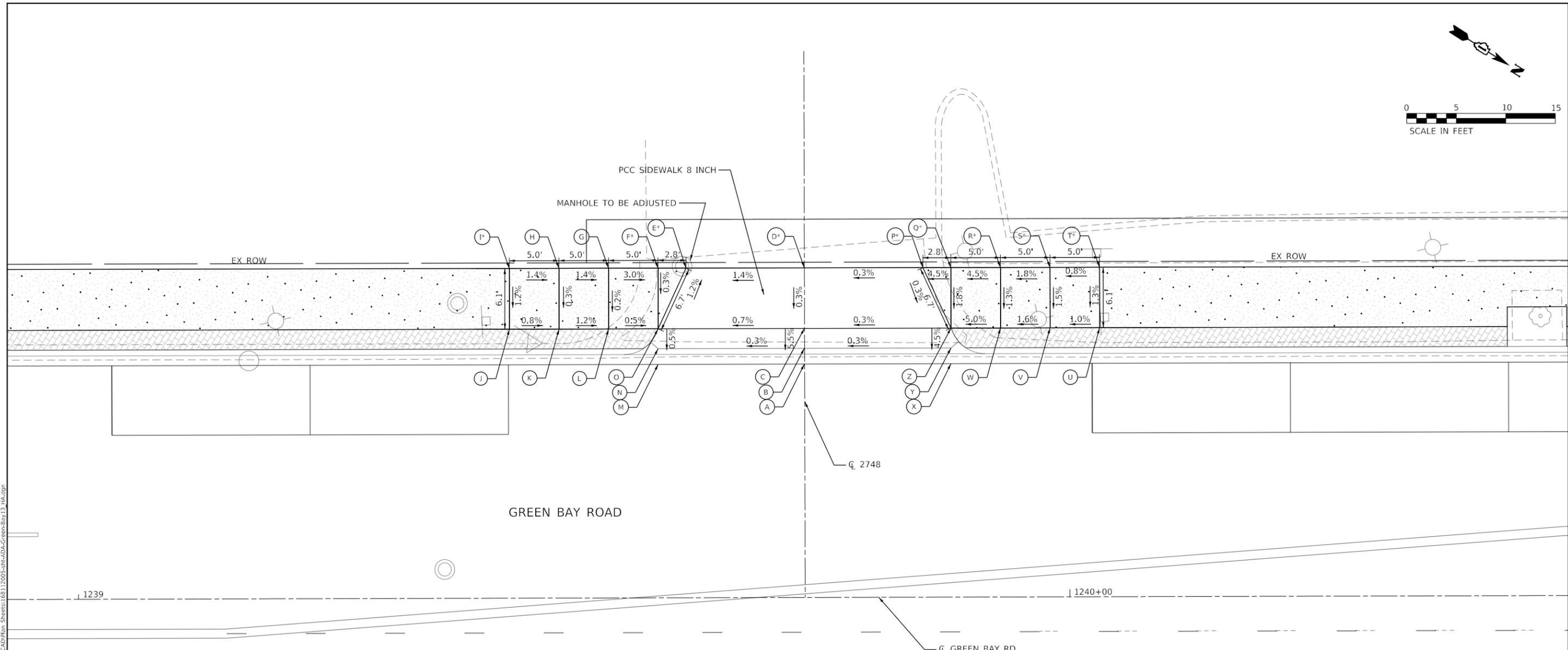
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PLOT DATE = 6/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION RAMP DETAILS
GREEN BAY RD AT 2722 - NW & SW CORNERS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	101
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



CL GREEN BAY RD

LEGEND:

- PROPOSED ELEVATION
- EXISTING ELEVATION
- X.X% SIDEWALK/PAVEMENT GRADE
- (X.X%) EXISTING GRADE
- DETECTABLE WARNING TILE
- CC&G, TYPE B-6.12
- DEPRESSED CURB
- TRAFFIC SIGNAL POST
- PEDESTRIAN PUSH BUTTON
- PROPOSED SIDE CURB

GREEN BAY RD AT 2748 SW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	1239+73.26	23.50	607.50
B	1239+73.28	25.08	607.51
C	1239+73.29	27.08	607.52
D	1239+73.30	33.18	607.58 *
E	1239+61.35	33.19	607.41 *
F	1239+58.54	33.19	607.36 *
G	1239+53.54	33.19	607.51
H	1239+48.54	33.19	607.58
I	1239+43.54	33.20	607.66 *
J	1239+43.53	27.10	607.60
K	1239+48.53	27.14	607.56
L	1239+53.53	27.08	607.50
M	1239+58.53	23.50	607.32
N	1239+58.53	25.08	607.33
O	1239+58.53	27.08	607.34

GREEN BAY RD AT 2748 NW CORNER - SIDEWALK RAMP CONTROL POINTS			
POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	1239+73.26	23.50	607.50
B	1239+73.28	25.08	607.51
C	1239+73.29	27.08	607.60
D	1239+73.30	33.18	607.58 *
P	1239+85.26	33.18	607.62 *
Q	1239+88.08	33.17	607.75
R	1239+93.08	33.17	607.97 *
S	1239+98.08	33.17	608.06 *
T	1240+03.08	33.17	608.10 *
U	1240+03.07	27.08	608.02
V	1239+98.07	27.08	607.97
W	1239+93.07	27.08	607.89
X	1239+88.06	23.50	607.54
Y	1239+88.06	25.07	607.55
Z	1239+88.07	27.08	607.64

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PLOT DATE = 6/10/2024	CHECKED - MK	REVISED -
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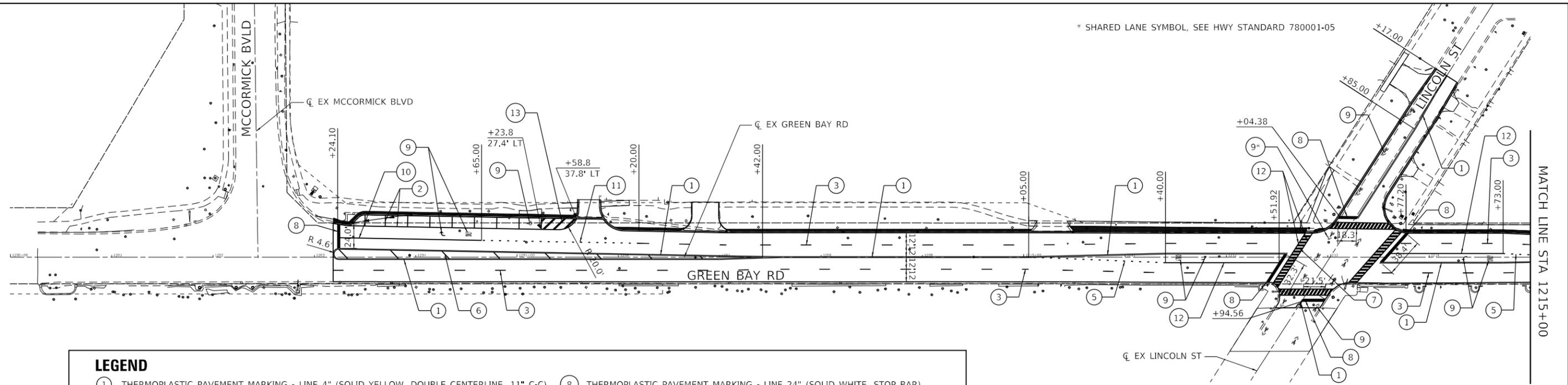
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DEPARTMENT OF TRANSPORTATION**

**INTERSECTION RAMP DETAILS
GREEN BAY RD AT 2748 - NW & SW CORNER**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

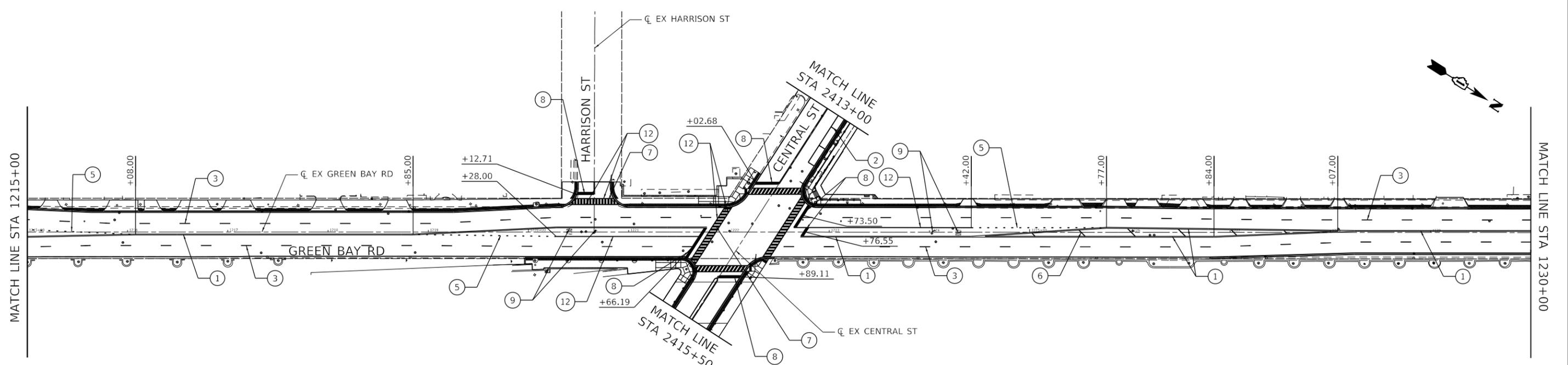
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2744	19-00285-00-R5	COOK	191	103
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

* SHARED LANE SYMBOL, SEE HWY STANDARD 780001-05



LEGEND

① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW, DOUBLE CENTERLINE, 11" C-C)	⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, STOP BAR)
② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)	⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP DASH WHITE, 10' LINE WITH 30' SPACE)	⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (SOLID WHITE)
④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP DASH YELLOW, 10' LINE WITH 30' SPACE)	⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (DOTTED, 3' LINE WITH 9' SPACE)
⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (DOTTED WHITE, 2' LINE WITH 6' SPACE)	⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID YELLOW)	⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE)
⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (SOLID WHITE, CROSSWALK)	



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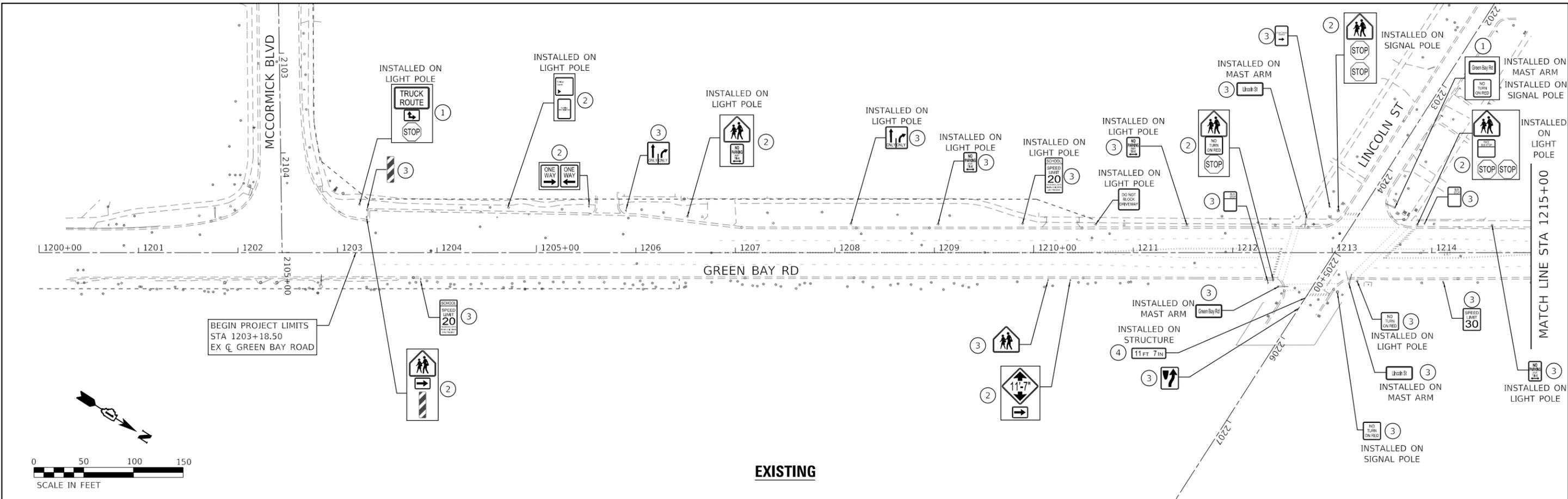
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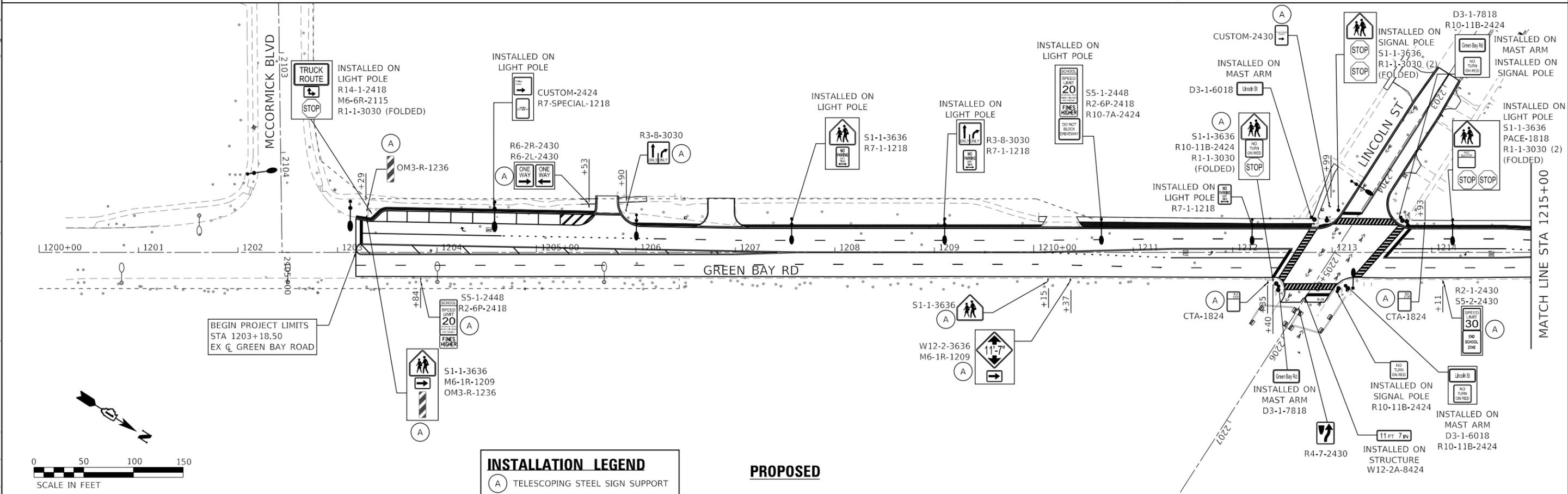
**PROPOSED PAVEMENT MARKING PLAN
GREEN BAY ROAD**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 1200+00 TO STA. 1230+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	105
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



EXISTING



INSTALLATION LEGEND

(A) TELESCOPING STEEL SIGN SUPPORT

PROPOSED

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 WARRENVILLE, IL 60090
 PHONE: 630-471-6600
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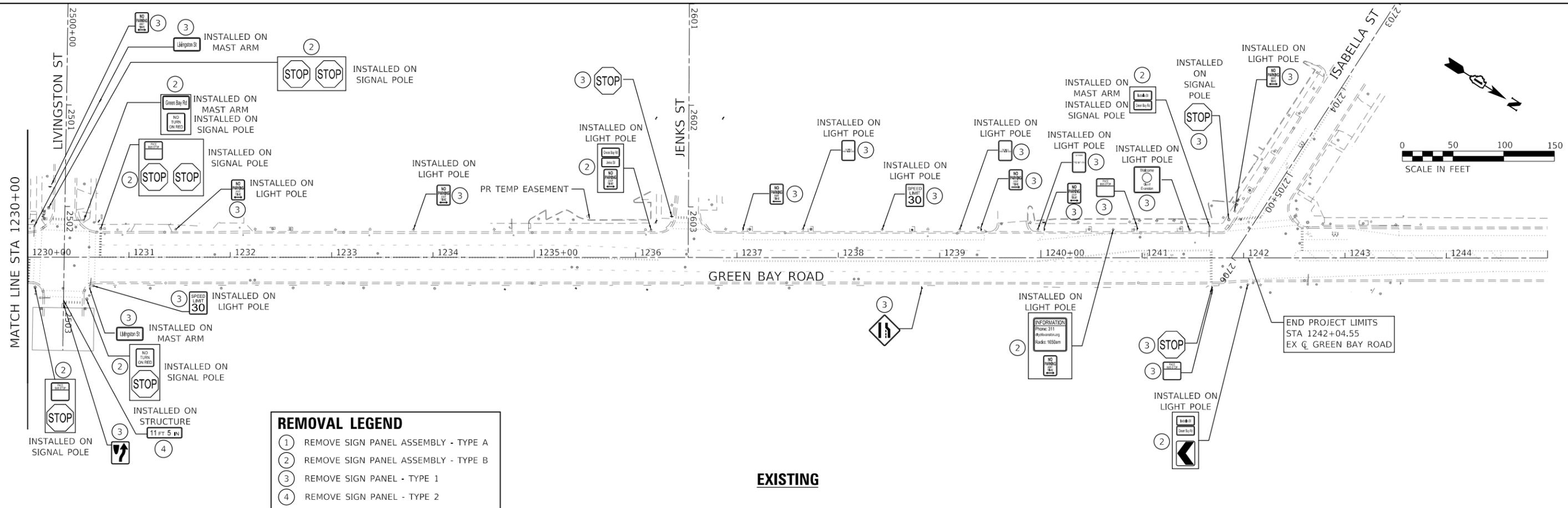
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

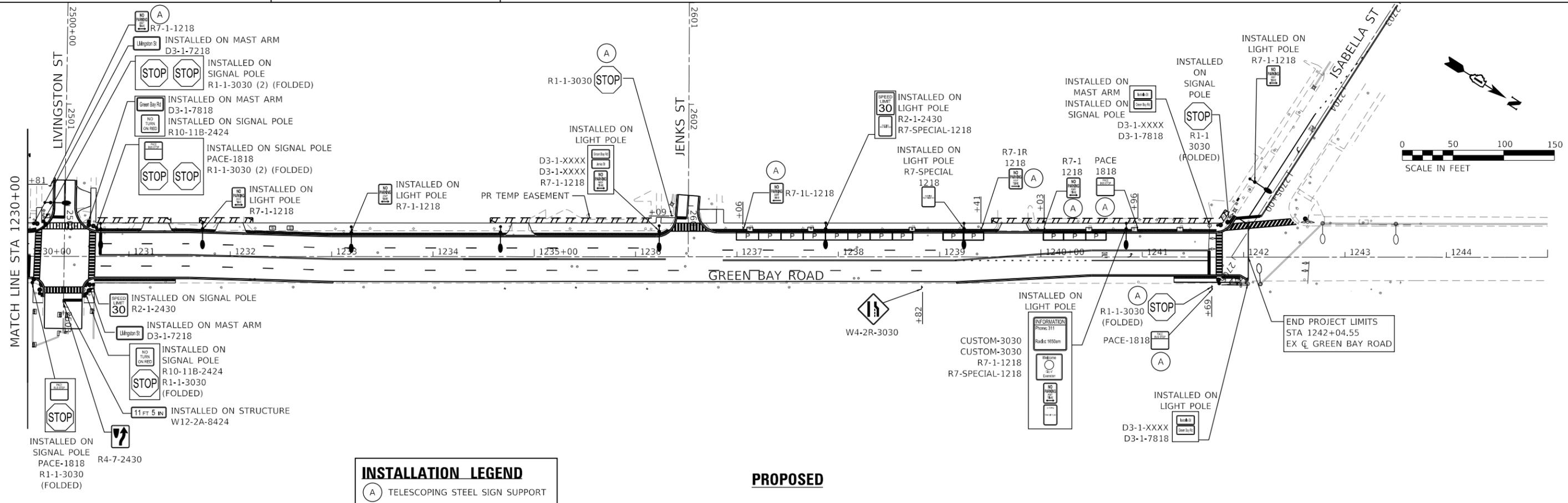
**EXISTING AND PROPOSED SIGNING PLAN
GREEN BAY ROAD**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 1200+00 TO STA. 1230+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	107
CONTRACT NO. 61K60				
ILLINOIS		FED. AID PROJECT		



- REMOVAL LEGEND**
- ① REMOVE SIGN PANEL ASSEMBLY - TYPE A
 - ② REMOVE SIGN PANEL ASSEMBLY - TYPE B
 - ③ REMOVE SIGN PANEL - TYPE 1
 - ④ REMOVE SIGN PANEL - TYPE 2



- INSTALLATION LEGEND**
- (A) TELESCOPING STEEL SIGN SUPPORT



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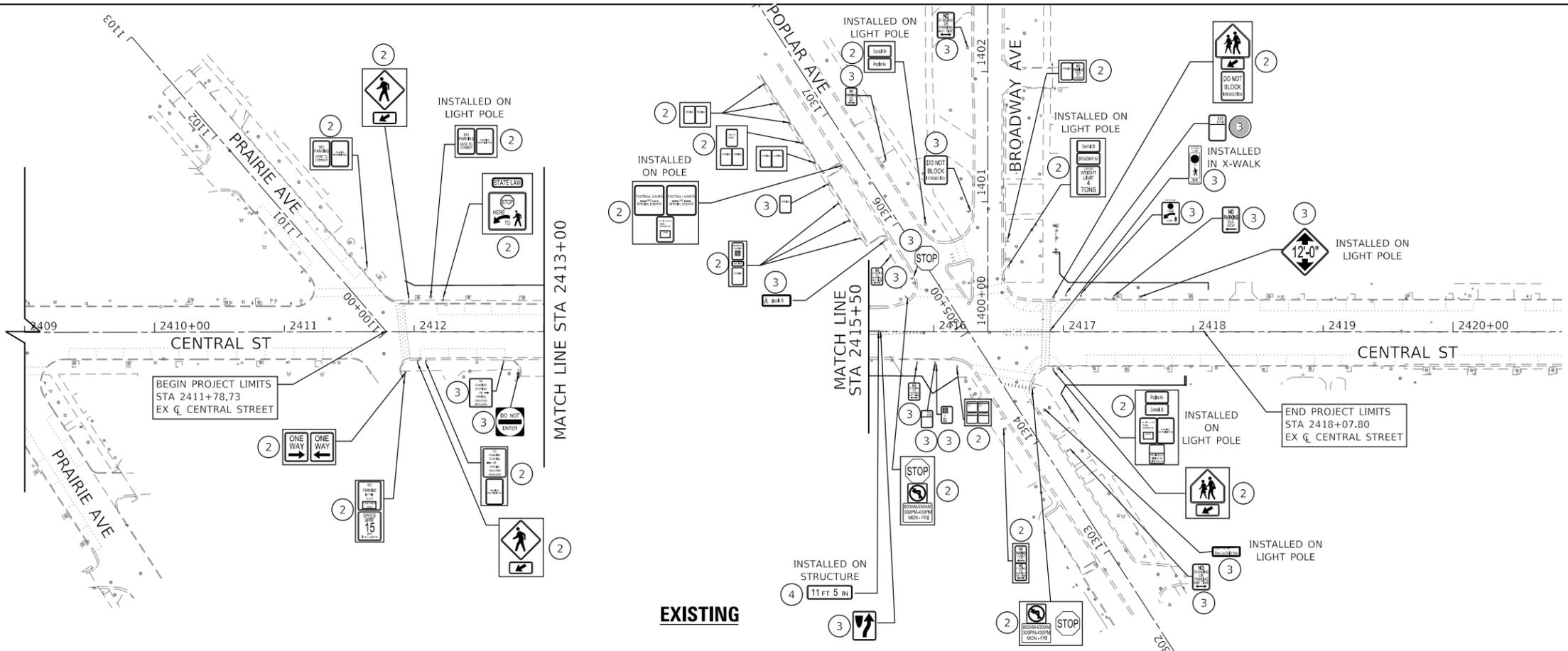
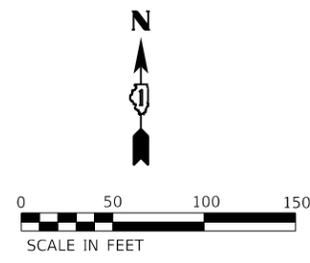
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGNING PLAN
GREEN BAY ROAD**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 1230+00 TO STA. 1245+00

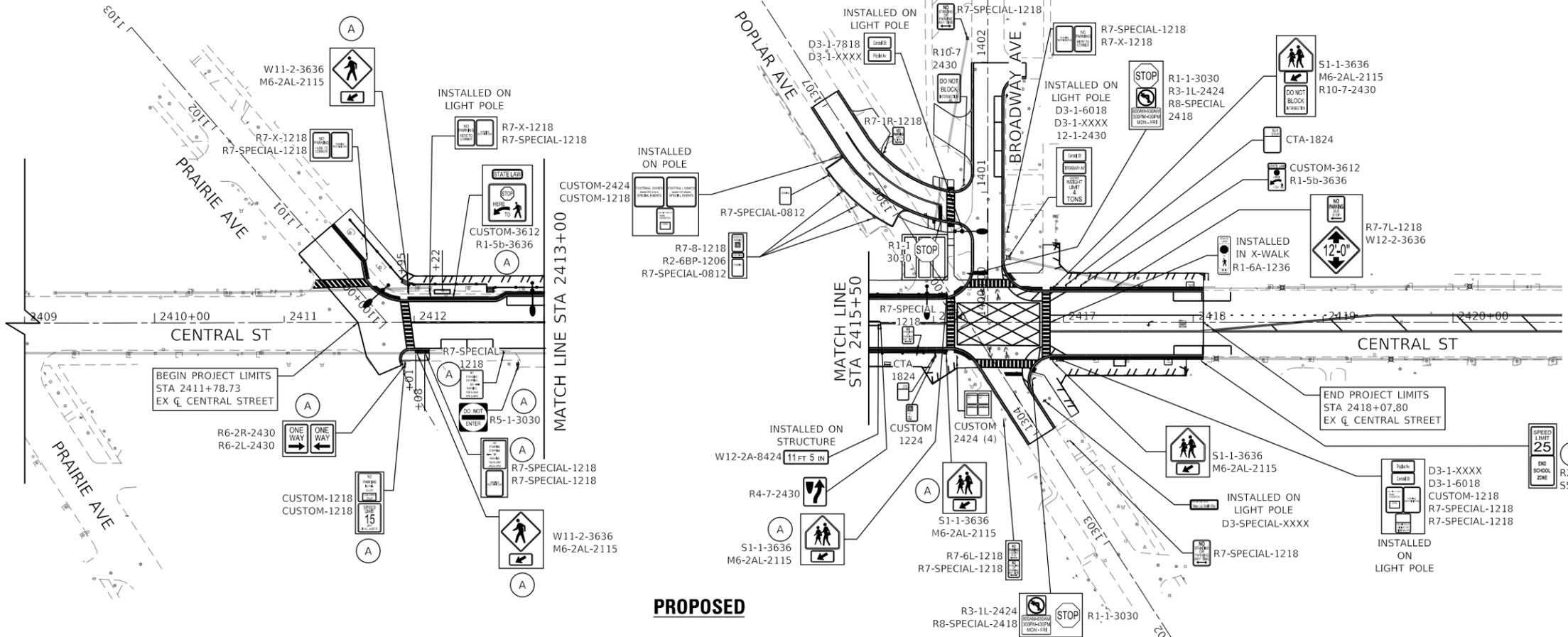
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61K60				
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 WARRENVILLE, IL 60550
 PHONE: (630) 471-6600
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REMOVAL LEGEND

1	REMOVE SIGN PANEL ASSEMBLY - TYPE A
2	REMOVE SIGN PANEL ASSEMBLY - TYPE B
3	REMOVE SIGN PANEL - TYPE 1
4	REMOVE SIGN PANEL - TYPE 2



INSTALLATION LEGEND

A	TELESCOPING STEEL SIGN SUPPORT
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING SIGNING PLAN
GREEN BAY ROAD

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 1230+00 TO STA. 1245+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	110
CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	

LANDSCAPING NOTES

- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
- NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- ALL PLANTS TO BE SPECIMEN GRADE, WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED. PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, AND SCARS. PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES. PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS PART OF THIS CONTRACT.
- THE RESIDENT ENGINEER MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR OTHERWISE NOT EXHIBITING SUPERIOR QUALITY.
- PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
- PRUNE PLANTS AS NECESSARY- PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
- TOPSOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO 4 INCHES BELOW FINISHED GRADE IN TURF AREAS (SEE EROSION CONTROL PLANS) AND 24 INCHES IN PLANTING AREAS.
- PLANTER POT TOPSOIL SHALL BE AMENDED WITH 25% SPHAGNUM PEATMOSS, 5% HUMUS AND 70% PULVERIZED SOIL FOR ALL NON TURF SEED MIX AREAS, SHRUB, ORNAMENTAL GRASS, PERENNIAL AND ANNUAL BEDS.
- SEED/SOD LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED/SOD ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/SOD MIXES.
- EDGING TO BE A SPADED EDGE UNLESS INDICATED OTHERWISE ON THE PLANS. SPADED EDGE TO PROVIDE V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION BETWEEN MULCH AND GRASS. A SPADED BED EDGE SHALL SEPARATE MULCH BEDS FROM TURF OR SEEDED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
- CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUND COVER AREAS. TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH.
- INSTALLATION OF TREES WITHIN PARKWAYS SHALL BE COORDINATED IN THE FIELD WITH LOCATIONS OF UNDERGROUND UTILITIES. TREES SHALL NOT BE LOCATED CLOSER THAN 5' FROM UNDERGROUND UTILITY LINES AND NO CLOSER THAN 10' FROM UTILITY STRUCTURES.
- DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
- ALL DISTURBED AREAS TO BE SODDED OR SEEDED (SEE EROSION CONTROL PLANS), UNLESS OTHERWISE NOTED. SOD/SEED SHALL BE LOCAL HARDY TURF GRASS MIX UNLESS, OTHERWISE NOTED.
- PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES AS DRAWN.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SPACING
TREES						
	CC	4	CELTIS OCCIDENTALIS 'CHICAGOLAND' / CHICAGOLAND HACKBERRY	B & B	3" CAL. MIN.	AS SHOWN PER PLANS
	GD	4	GYMNOCLADUS DIOICA 'ESPRESSO' / KENTUCKY COFFEETREE	B & B	3" CAL. MIN.	AS SHOWN PER PLANS
	QB	3	QUERCUS BICOLOR / SWAMPE WHITE OAK	B & B	3" CAL. MIN.	AS SHOWN PER PLANS
	QR	4	QUERCUS ROBUR 'REGAL PRINCE' HIGH BRANCH / REGAL PRINCE HIGH BRANCH OAK	B & B	3" CAL. MIN.	AS SHOWN PER PLANS
	SR	3	SYRINGEA RETICULATA 'IVORY SILK' / IVORY SILK JAPANESE TREE LILAC	B & B	3" CAL. MIN.	AS SHOWN PER PLANS
PERENNIALS						
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
	AR	18	ACHILLEA MILLEFOLIUM 'MOONSHINE' / MOONSHINE COMMON YARROW	1 GAL	24" O.C.	12" HT. MIN.
	CK	12	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / KARL FOERSTER GRASS	1 GAL	24" O.C.	18" HT. MIN.
	LB	60	LIRIOPE MUSCARI 'BIG BLUE' / BIG BLUE LILYTURF	1 GAL.	8" O.C.	12" HT. MIN.
	SB	37	SALVIA X SYLVESTRIS 'BLUE HILL' / BLUE HILL SAGE	1 GAL.	24" O.C.	12" HT. MIN.
	SA	32	SESLERIA AUTUMNALIS / AUTUMN MOOR GRASS	1 GAL	24" O.C.	18" HT. MIN.
	WV	9	WEIGELA FLORIDA 'VERWEIG' / MY MONET WEIGELA	3 GAL	24" O.C.	12" HT. MIN.

SITE FURNISHING SCHEDULE

SITE FURNISHING	QTY	MOUNTING/ INSTALLATION	MATERIAL	DESCRIPTION	FEATURES	SIZE	FINISH	UNIT
BENCH	3	SURFACE MOUNT	PAINTED STEEL	METAL BENCH WITH ARM RESTS	2 ARM RESTS	6' LENGTH	BLACK POWDER COAT	EA
BICYCLE RACK	30	SURFACE MOUNT	PAINTED STEEL	U SHAPED BIKE RACK	2" SQUARE TUBE, SINGLE PIECE, WELDED PLATES	-	BLACK POWDER COAT	EA
BICYCLE SHELTER	3	SURFACE MOUNT	PAINTED STEEL	STANDING SEAM-SINGLE SLOPE SHELTER	3" SQUARE TUBULAR STEEL PURLINS	9' WIDTH X 31' LENGTH	MATTE BLACK EPOXY	EA
PLANTER	12	SURFACE MOUNT	CONCRETE	MATCH EXISTING	-	36" DIA. X 44" HT.	-	EA
TRASH RECEPTACLE	4	SURFACE MOUNT	PAINTED STEEL	TRASH RECEPTACLE WITH LINER	-	36 GALLON	BLACK POWDER COAT	EA
RECYCLING RECEPTACLE	4	SURFACE MOUNT	PAINTED STEEL	RECYCLING RECEPTACLE WITH LINER	-	36 GALLON	BLACK POWDER COAT	EA
TREE GRATE	18	PER MNFR. SPECIFICATIONS	CAST IRON	METAL GRATE WITH FRAME, ADA COMPLIANT	INCLUDING LAVA ROCK MULCH & BRICK BANDING SURROUND	48" WIDTH x 72" LENGTH	NATURAL	EA

SITE FURNISHING NOTES

- REFER TO LANDSCAPE PLAN FOR LOCATIONS OF ALL SITE FURNISHING INCLUDING: BENCHES, BICYCLE RACKS, TRASH RECEPTACLES, TREE GRATES, AND PLANTERS.
- FINAL LOCATIONS OF ALL SITE FURNISHINGS ARE TO BE REVIEWED AND CONFIRMED ON SITE WITH REPRESENTATIVE ENGINEER, LANDSCAPE ARCHITECT, AND/OR C.O.E. PRIOR TO INSTALLATION.
- ALL SITE FURNISHINGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

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Kimley-Horn

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WARRENVILLE, IL 60550
PHONE: 630-487-4600
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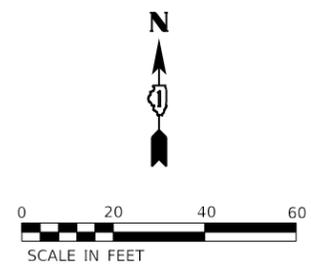
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PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLANT & SITE FURNISHING SCHEDULE

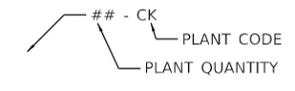
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	111
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



LANDSCAPE KEYNOTES

PLANT CODE	DESCRIPTION
CC	FURNISH & INSTALL CELTIS OCCIDENTALIS 'CHICAGOLAND'
GD	FURNISH & INSTALL GYMNOCLADUS DIOICA 'ESPRESSO'
QB	FURNISH & INSTALL QUERCUS BICOLOR
QR	FURNISH & INSTALL QUERCUS ROBUR 'REGAL PRINCE' HIGH BRANCH
SR	FURNISH & INSTALL SYRINGEA RETICULATA 'IVORY SILK'
AR	FURNISH & INSTALL ACHILLEA MILLEFOLIUM 'MOONSHINE'
CK	FURNISH & INSTALL CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'
LB	FURNISH & INSTALL LIRIOPE MUSCARI 'BIG BLUE'
SB	FURNISH & INSTALL SALVIA SYLVESTRIS 'BLUE HILL'
SA	SESLERIA AUTUMNALIS 'AUTUMN MOOR GRASS'
WV	FURNISH & INSTALL WEIGELA FLORIDA 'VERWEIG'



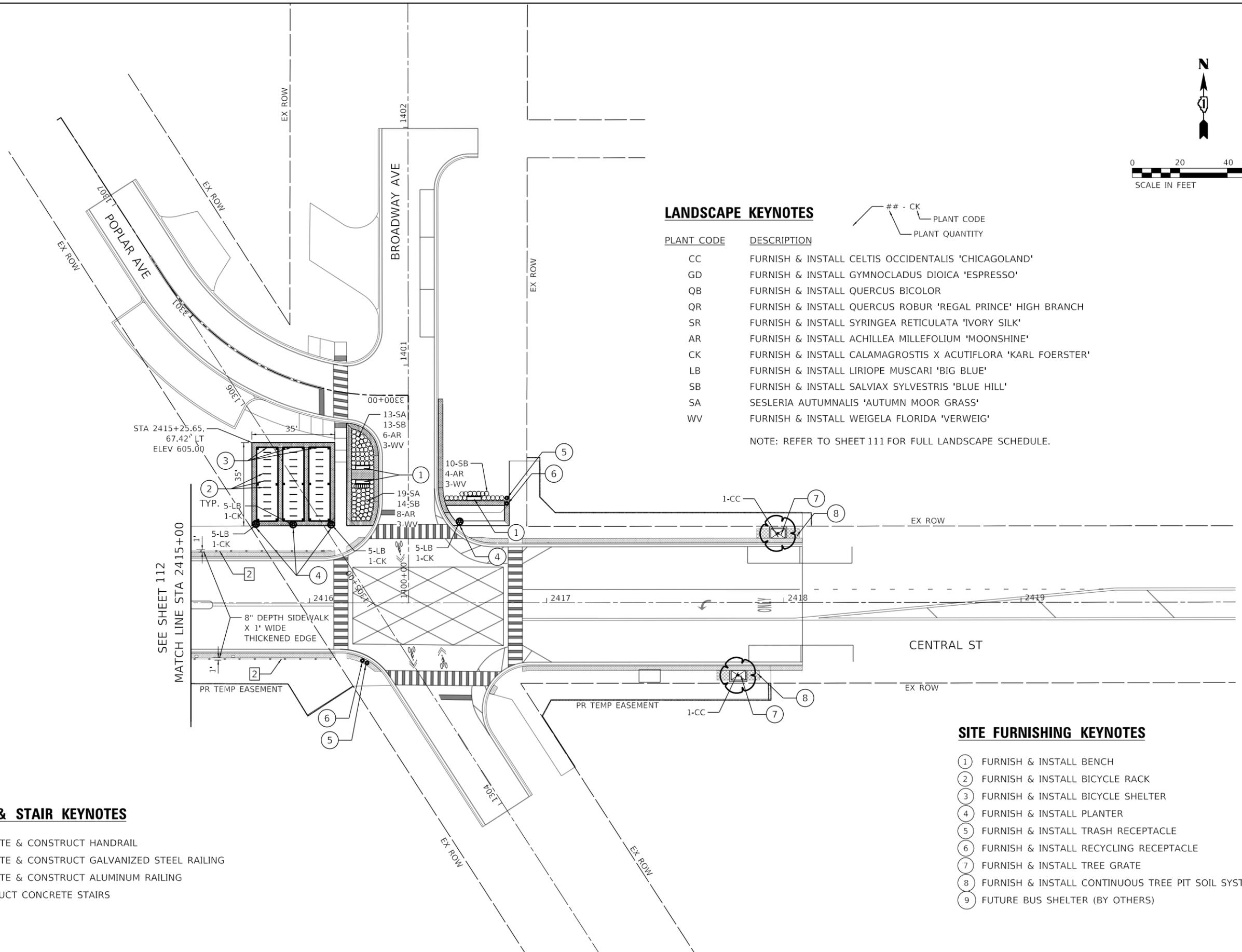
NOTE: REFER TO SHEET 111 FOR FULL LANDSCAPE SCHEDULE.

RAILING & STAIR KEYNOTES

- 1 FABRICATE & CONSTRUCT HANDRAIL
- 2 FABRICATE & CONSTRUCT GALVANIZED STEEL RAILING
- 3 FABRICATE & CONSTRUCT ALUMINUM RAILING
- 4 CONSTRUCT CONCRETE STAIRS

SITE FURNISHING KEYNOTES

- 1 FURNISH & INSTALL BENCH
- 2 FURNISH & INSTALL BICYCLE RACK
- 3 FURNISH & INSTALL BICYCLE SHELTER
- 4 FURNISH & INSTALL PLANTER
- 5 FURNISH & INSTALL TRASH RECEPTACLE
- 6 FURNISH & INSTALL RECYCLING RECEPTACLE
- 7 FURNISH & INSTALL TREE GRATE
- 8 FURNISH & INSTALL CONTINUOUS TREE PIT SOIL SYSTEM
- 9 FUTURE BUS SHELTER (BY OTHERS)



MODEL: Default
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 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-487-6600
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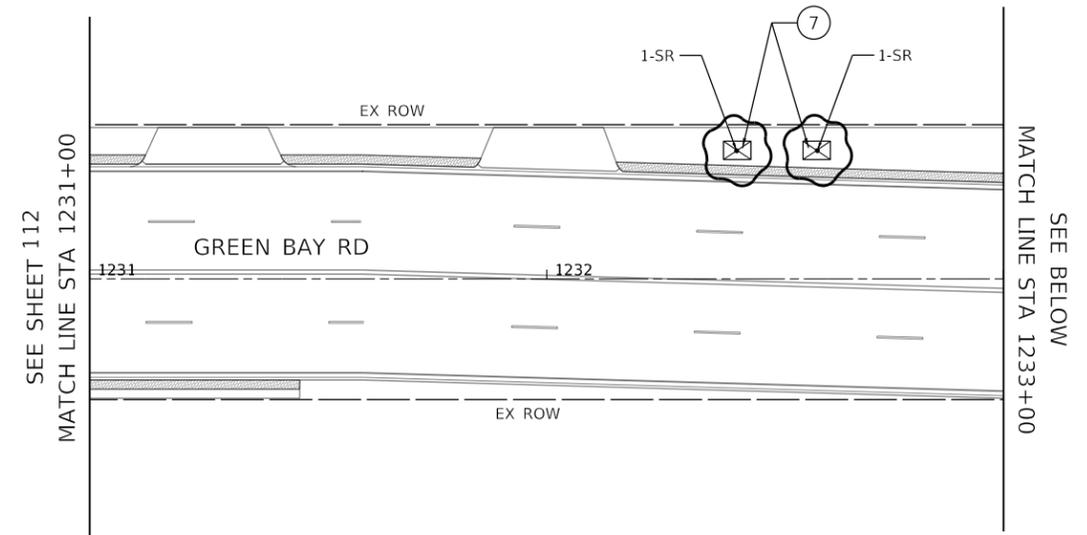
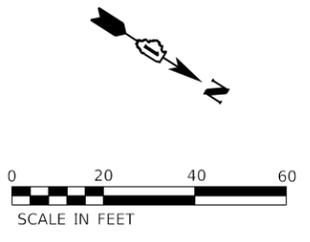
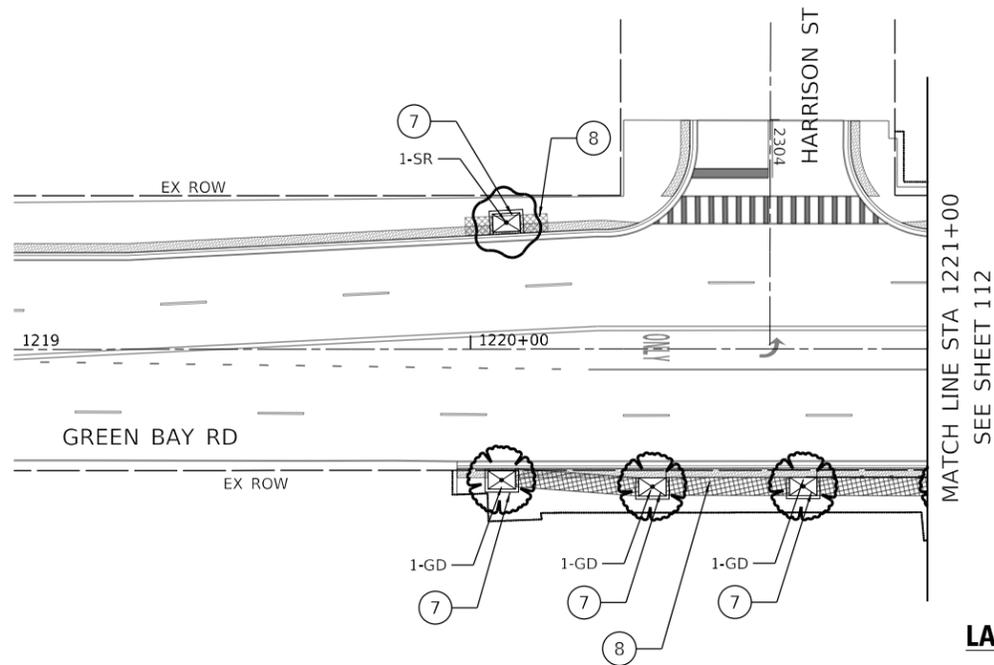
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PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN
GREEN BAY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	113
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



LANDSCAPE KEYNOTES

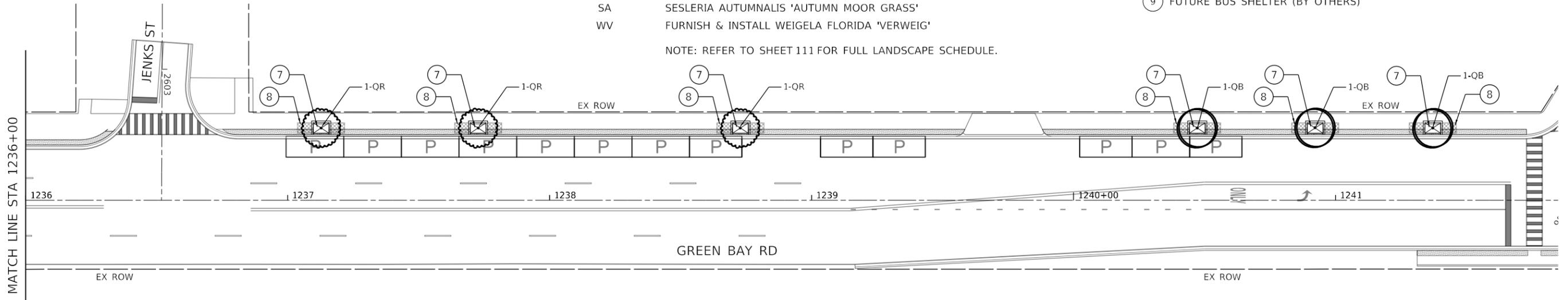
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GD	FURNISH & INSTALL GYMNOCLADUS DIOICA 'ESPRESSO'
QB	FURNISH & INSTALL QUERCUS BICOLOR
QR	FURNISH & INSTALL QUERCUS ROBUR 'REGAL PRINCE' HIGH BRANCH
SR	FURNISH & INSTALL SYRINGEA RETICULATA 'IVORY SILK'
AR	FURNISH & INSTALL ACHILLEA MILLEFOLIUM 'MOONSHINE'
CK	FURNISH & INSTALL CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'
LB	FURNISH & INSTALL LIRIOPE MUSCARI 'BIG BLUE'
SB	FURNISH & INSTALL SALVIA SYLVESTRIS 'BLUE HILL'
SA	SESLERIA AUTUMNALIS 'AUTUMN MOOR GRASS'
WV	FURNISH & INSTALL WEIGELA FLORIDA 'VERWEIG'



NOTE: REFER TO SHEET 111 FOR FULL LANDSCAPE SCHEDULE.

SITE FURNISHING KEYNOTES

- ① FURNISH & INSTALL BENCH
- ② FURNISH & INSTALL BICYCLE RACK
- ③ FURNISH & INSTALL BICYCLE SHELTER
- ④ FURNISH & INSTALL PLANTER
- ⑤ FURNISH & INSTALL TRASH RECEPTACLE
- ⑥ FURNISH & INSTALL RECYCLING RECEPTACLE
- ⑦ FURNISH & INSTALL TREE GRATE
- ⑧ FURNISH & INSTALL CONTINUOUS TREE PIT SOIL SYSTEM
- ⑨ FUTURE BUS SHELTER (BY OTHERS)



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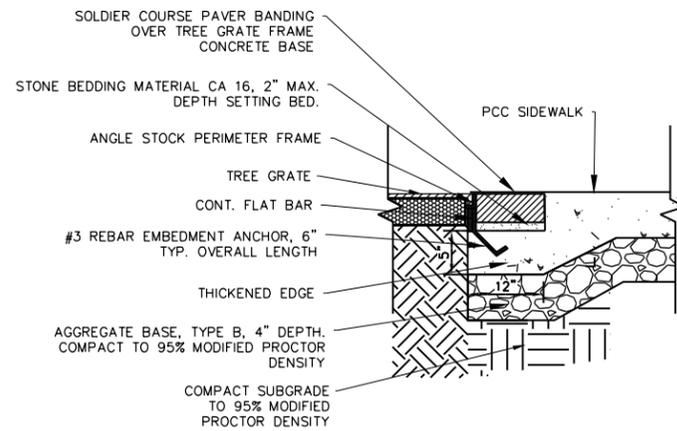
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

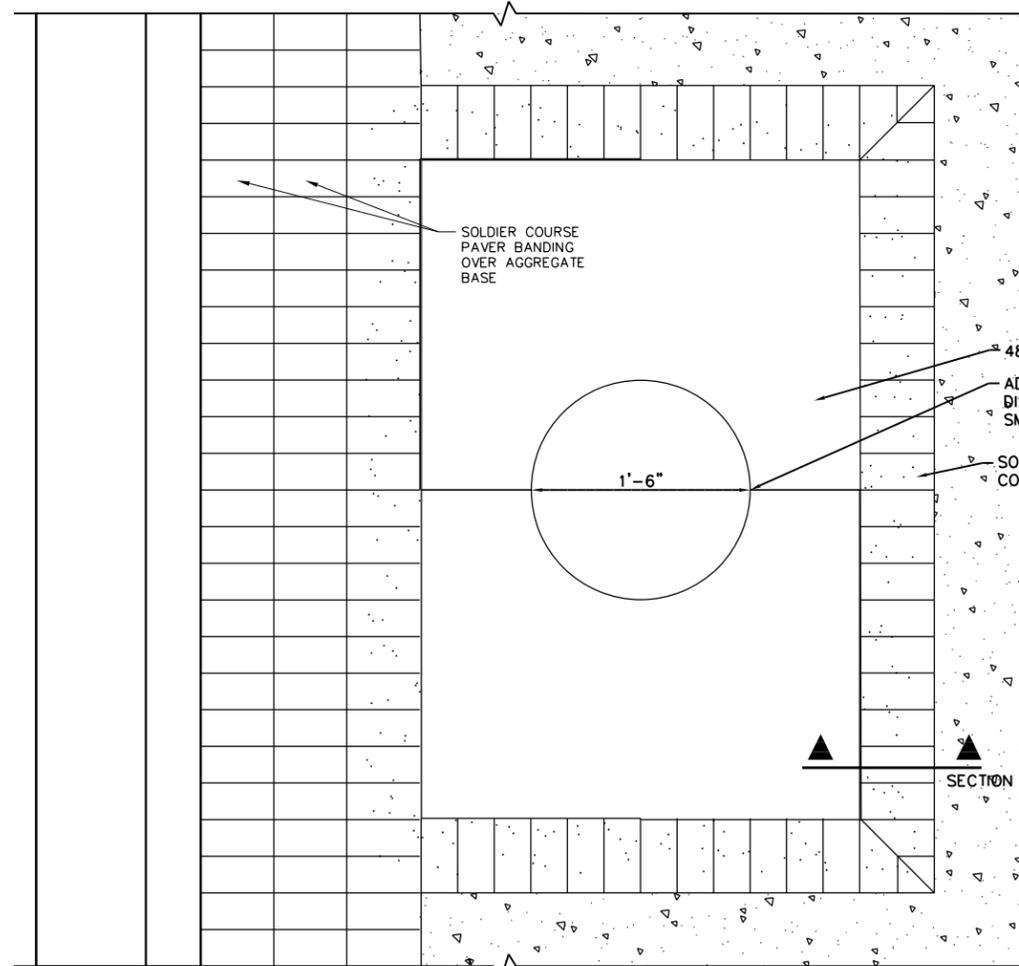
**LANDSCAPE PLAN
GREEN BAY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	114
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



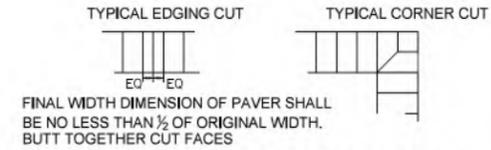
SECTION (A-A')



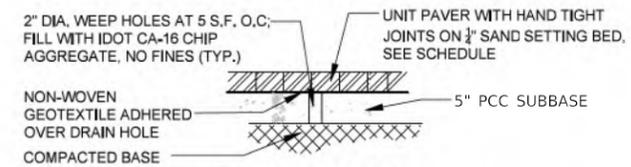
TREE GRATE

- NOTES:
1. PRODUCT TO BE INSTALLED PER MFR'S RECOMMENDATIONS.
 2. ANGLE STOCK PERIMETER FRAME, FLAT BAR & REBAR EMBEDMENT TO BE PROVIDED BY CONTRACTOR & SIZED TO COORDINATE WITH GRATE THICKNESS AND CONCRETE SLABS.
 3. EMBEDMENT ANCHORS TO BE SPACED 18" O.C. MAX.

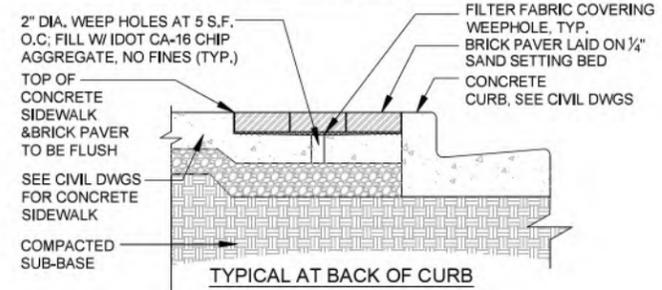
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CUT BRICK & CORNER DETAIL



TYPICAL SECTION

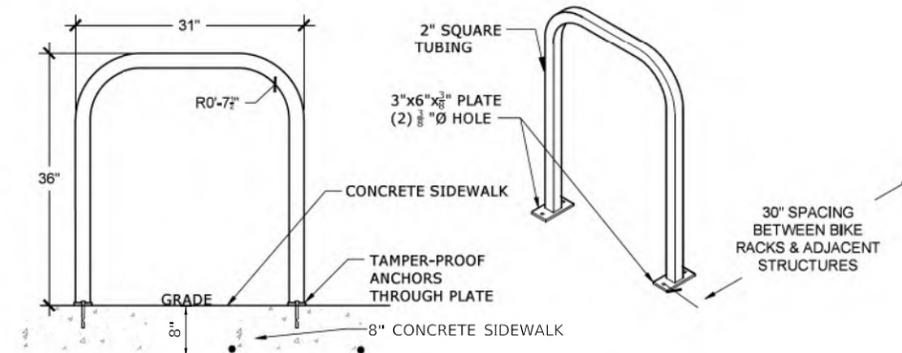


TYPICAL AT BACK OF CURB

BRICK PAVERS AT BACK OF CURB

SCALE:NTS

DESCRIPTION:
 'U' SHAPED BIKE RACK FASHIONED FROM A SINGLE PIECE OF 2" SQUARE TUBING WITH WELDED 3/8" STEEL PLATES. STEEL PLATES WITH A MINIMUM OF FOUR ANCHOR POINTS PER PLATE. FINISH: POWDER COATED FACTORY PAINT FINISH. SEE SCHEDULE FOR COLOR.



- NOTES:
1. INSTALL AND ANCHOR BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 2. EACH RACK MOUNTED USING (8) 3" LONG MUSHROOM HEAD ZINC COATED CARBON STEEL ANCHOR SPIKE DRIVEN INTO PRE-DRILLED 4" DEEP HOLE IN CONCRETE SLAB.

- SEE LAYOUT DRAWINGS FOR LOCATIONS.
 BIKE RACK INSTALLATION NOTES:
- AVOID CORNERS, LOADING ZONES, HANDICAP ACCESS, CROSSWALKS, DOORWAYS, AND BUS STOPS. NOTIFY LANDSCAPE ARCH. OF CONFLICTS.
 - ALLOW A MINIMUM OF 4' CLEARANCE FOR FIRE HYDRANTS, HANDICAP RAMPS, DRIVEWAYS, AND LOADING ZONES.
 - ALLOW A MINIMUM OF 12' FROM INTERSECTIONS OR 6' FROM RAMPS.
 - ALLOW A MINIMUM OF 40' OF CLEARANCE FOR BUS STOPS.
 - PLACE A MINIMUM OF 2' FROM THE CONCRETE EDGE OF TREE CUTOUTS.
 - PLACE RACKS ONLY ON CITY, CTA, OR METRA PROPERTY.
 - LOCATE RACKS AT LEAST 6' FROM THE OUTSIDE EDGE OF EXISTING SIDEWALK CAFES.
 - DO NOT INSTALL RACKS ON HEATED SURFACES.
 - AVOID RECOGNIZED WATER VALVES, VENTILATION, GRATED SURFACES, OR OTHER SURFACE UTILITIES

'U' SHAPED METAL BIKE RACK

SCALE:NTS

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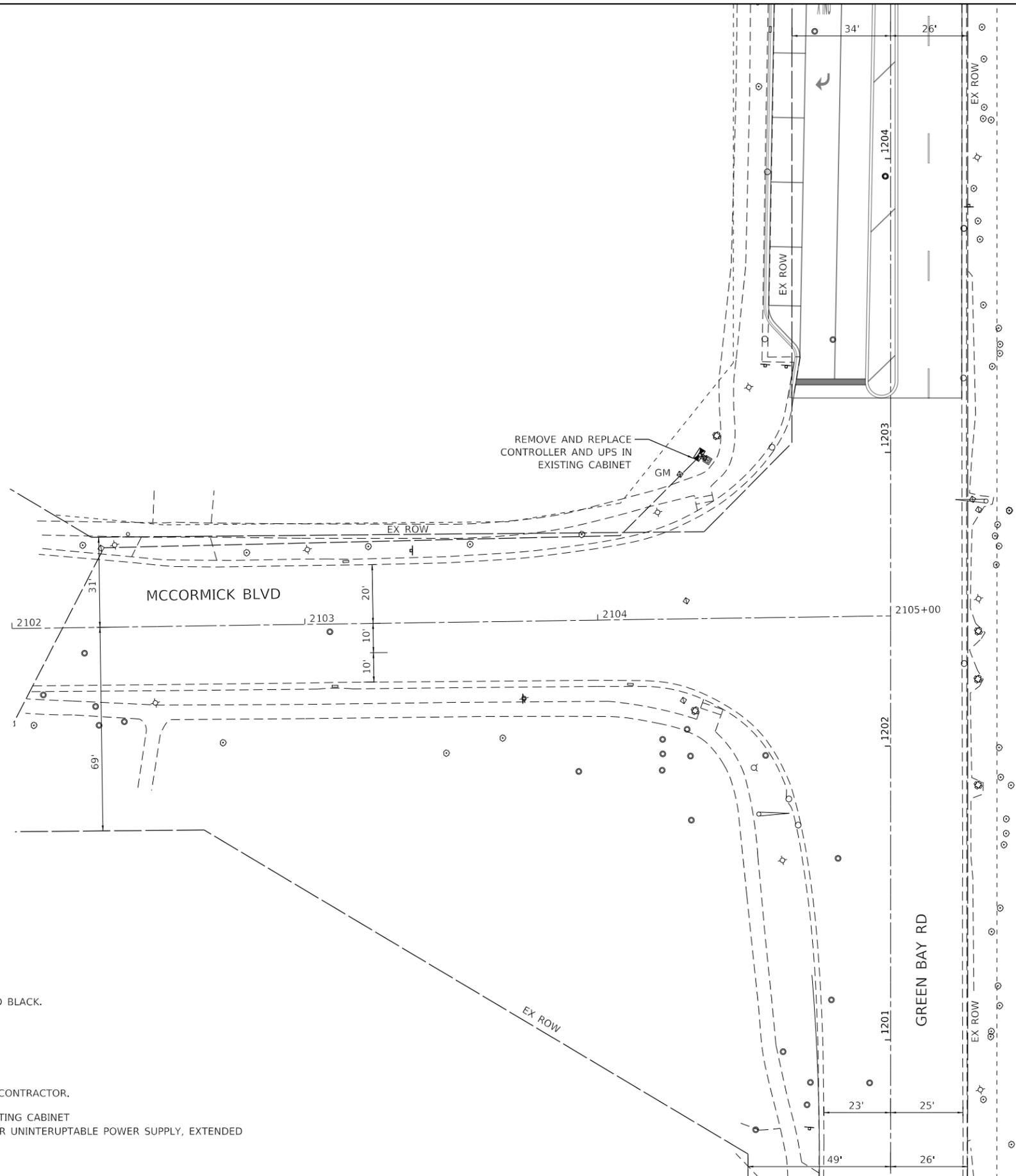
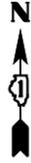
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PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	115
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE PAINTED BLACK.

INSTALLATION NOTES:

THE FOLLOWING ITEMS SHALL BE INSTALLED BY THE CONTRACTOR.

- 1 EACH FULL-ACTUATED CONTROLLER IN EXISTING CABINET
- 1 EACH REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED

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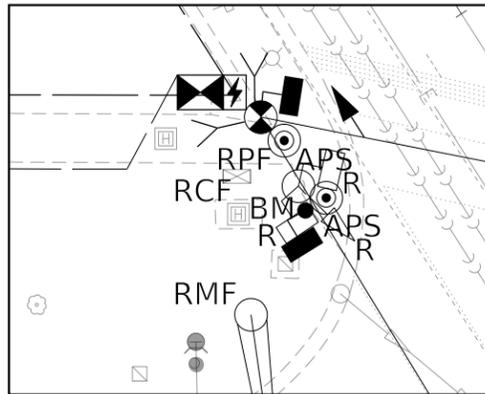
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	DRAWN -	REVISED -
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PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

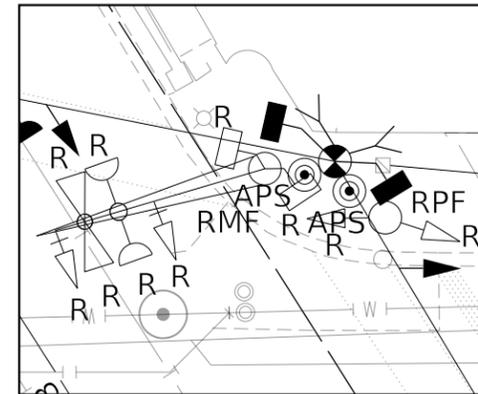
**PROPOSED TRAFFIC SIGNAL PLAN
 GREEN BAY ROAD AND MCCORMICK BOULEVARD**

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

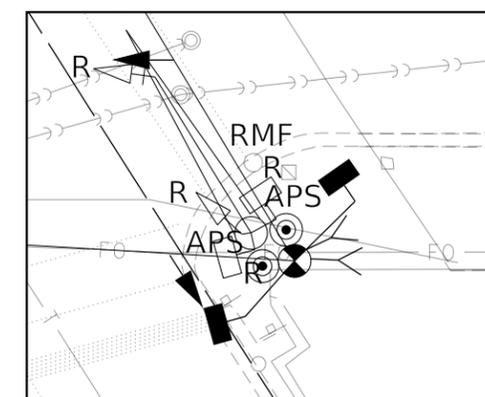
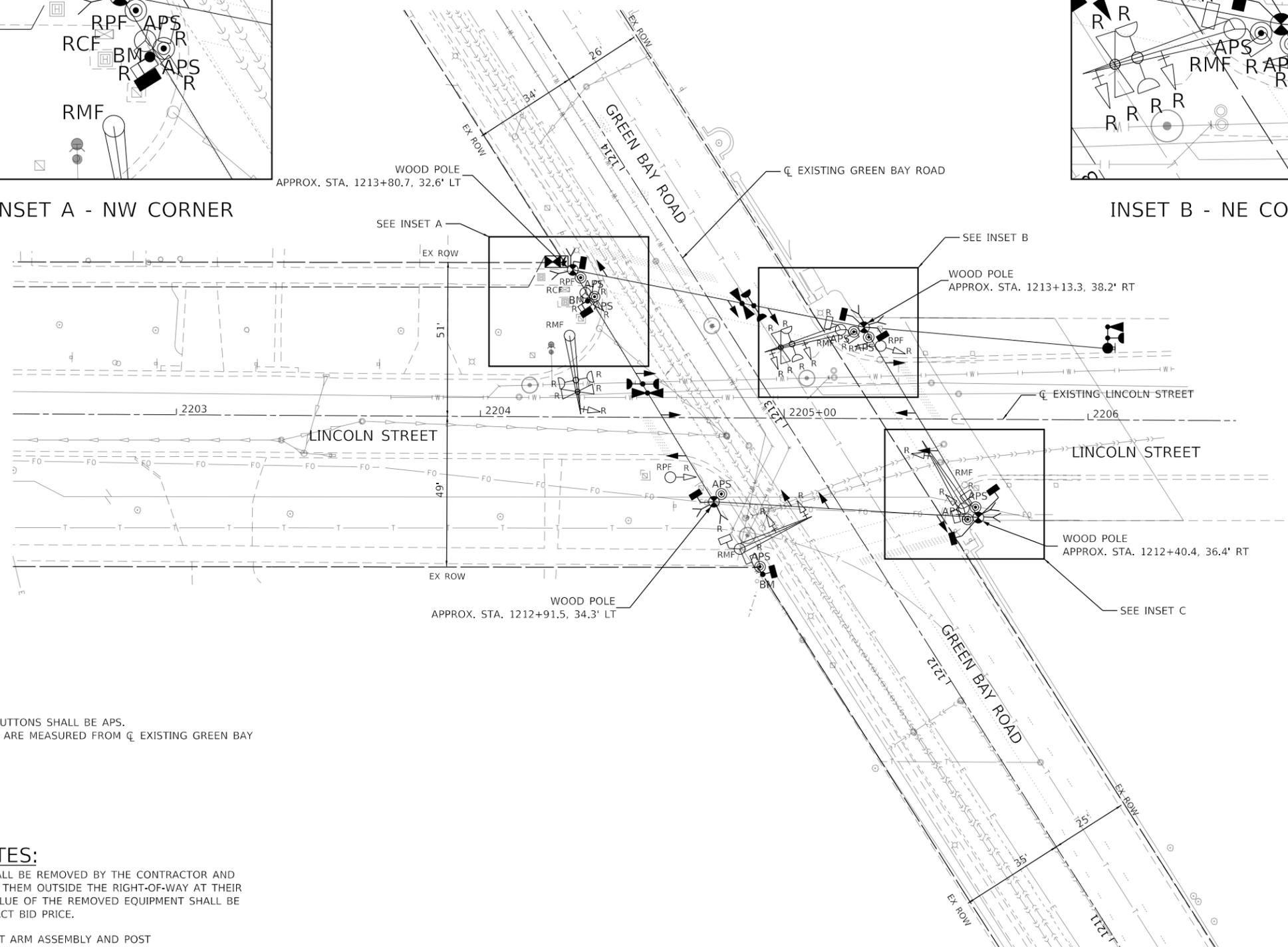
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CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



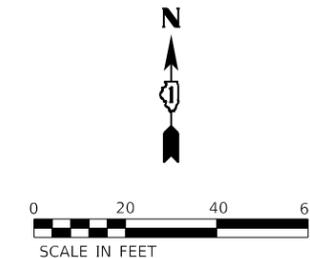
INSET A - NW CORNER



INSET B - NE CORNER



INSET C - SE CORNER



NOTES:

1. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.
2. ALL STATION CALL OUTS ARE MEASURED FROM \square EXISTING GREEN BAY ROAD.

REMOVAL NOTES:

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

- | | | |
|---|------|-----------------------------------|
| 4 | EACH | STEEL MAST ARM ASSEMBLY AND POST |
| 3 | EACH | TRAFFIC SIGNAL POST |
| 7 | EACH | 3-SECTION SIGNAL HEAD |
| 4 | EACH | 5-SECTION SIGNAL HEAD |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD |
| 2 | EACH | EMERGENCY VEHICLE LIGHT DETECTOR |
| 2 | EACH | CONFIRMATION BEACON |
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE) |

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USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
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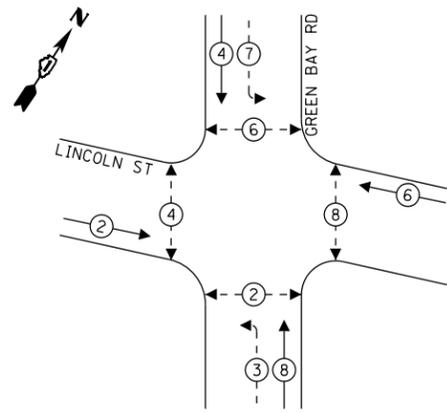
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL EQUIPMENT REMOVAL AND TEMPORARY PLAN
 GREEN BAY ROAD AND LINCOLN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	

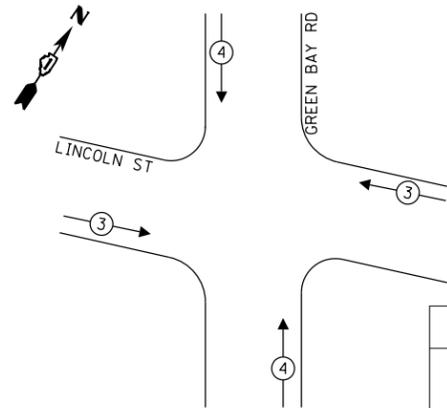
TEMPORARY CONTROLLER SEQUENCE



- LEGEND:**
- ← (⊙) ← PROTECTED PHASE
 - ← (⊙) ← PROTECTED/PERMITTED PHASE
 - ← (⊙) ← PEDESTRIAN PHASE

NOTE: TEMPORARY SIGNAL OPERATIONS WILL BE PRE-TIMED

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



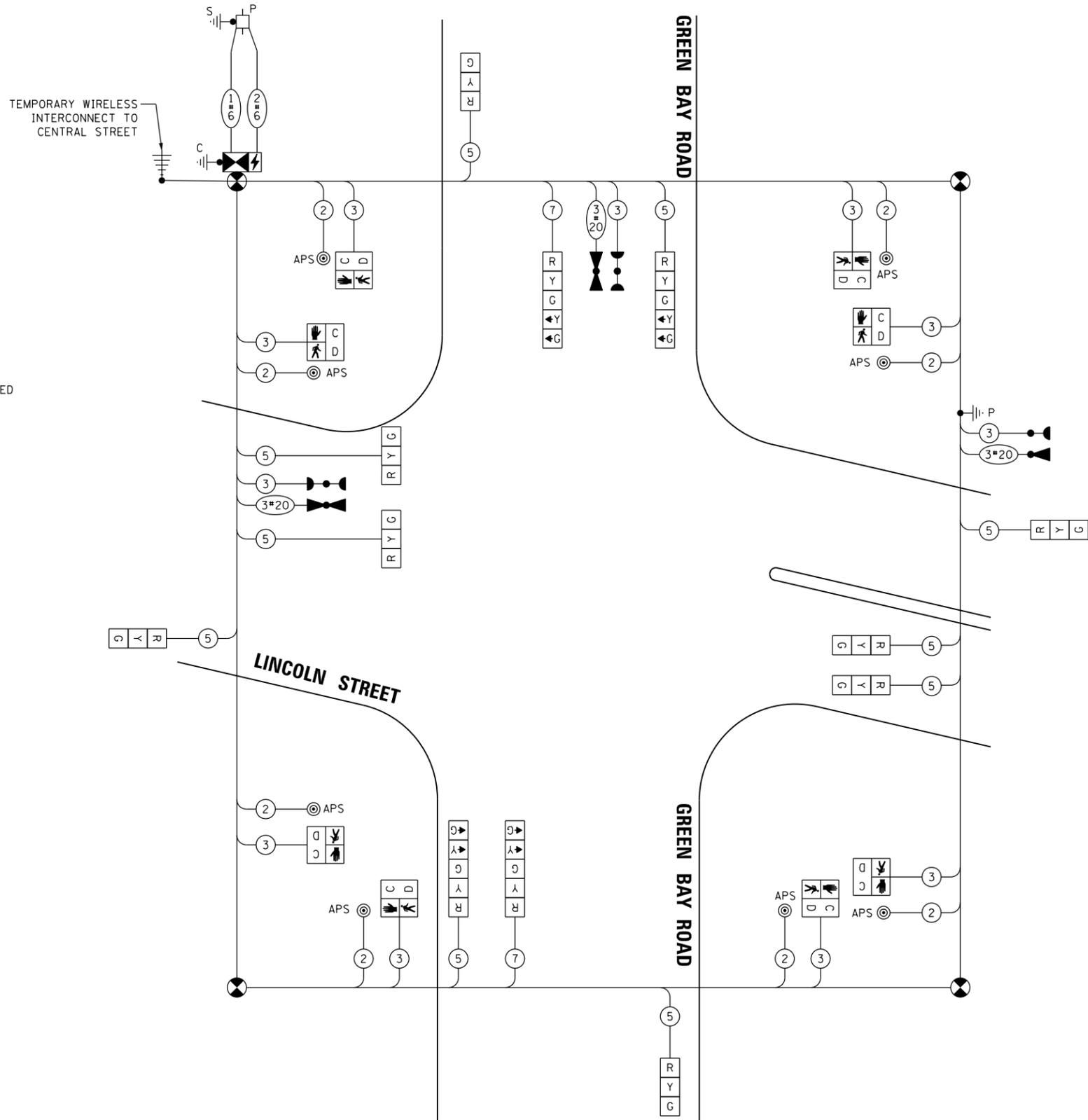
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		550	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	4	15	60
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1215	

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVE
EVANSTON, ILLINOIS 60201

ENERGY SUPPLY: COMPANY: COMED
PHONE: 847-921-7629
ACCOUNT NUMBER: 04590-93148



TEMPORARY CABLE PLAN
(NOT TO SCALE)



USER NAME = JoelTurk
DESIGNED - XXX
DRAWN - XXX
PLOT SCALE = 2,000' / in.
CHECKED - XXX
DATE = 7/10/2024
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DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY
PHASE DESIGNATION DIAGRAM
GREEN BAY ROAD AND LINCOLN STREET

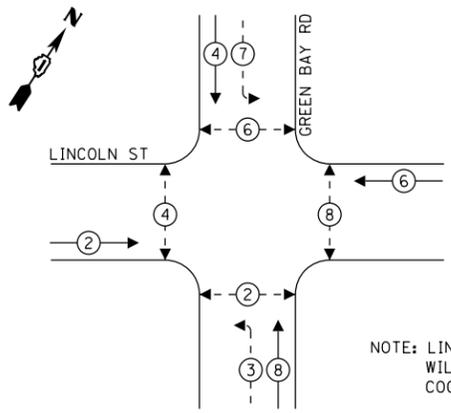
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2744	19-00285-00-R5	COOK	191	125
CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT

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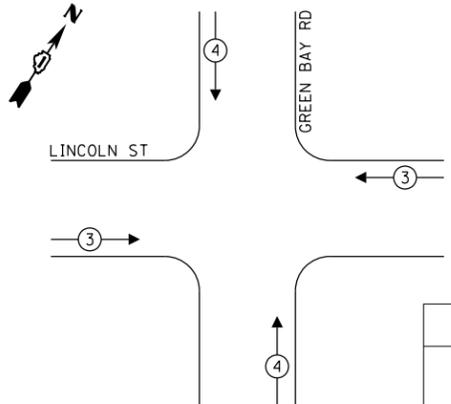
PROPOSED CONTROLLER SEQUENCE



LEGEND:
 ← * → PROTECTED PHASE
 ← * - PROTECTED/PERMITTED PHASE
 ← * → PEDESTRIAN PHASE

NOTE: LINCOLN STREET SIGNAL OPERATIONS WILL BE SEMI-ACTUATED AND COORDINATED ALONG GREEN BAY ROAD.

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



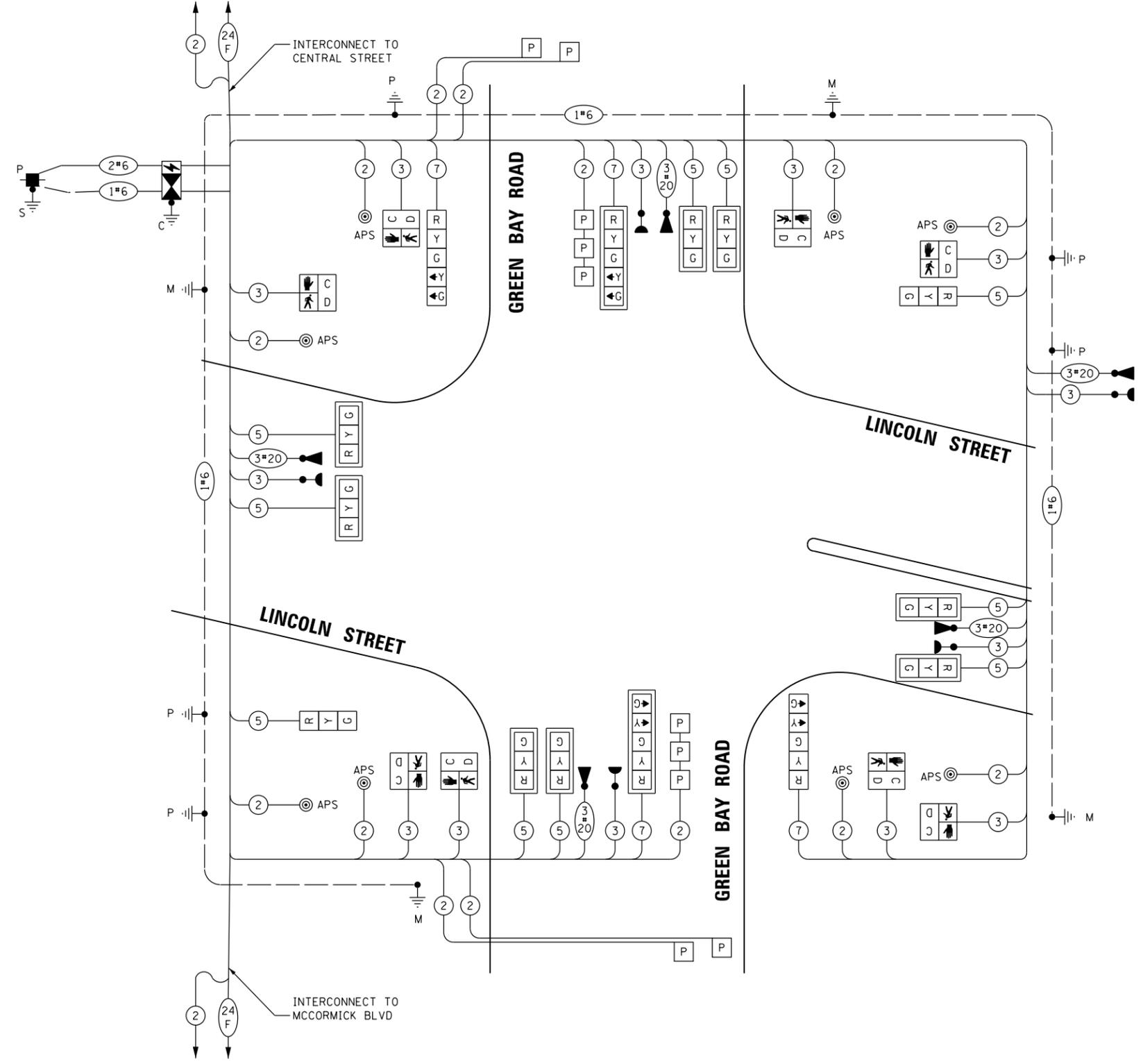
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		572	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	4	15	60
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1237	

ENERGY COSTS TO:
 CITY OF EVANSTON
 2100 RIDGE AVE
 EVANSTON, ILLINOIS 60201

ENERGY SUPPLY: COMPANY: COMED
 PHONE: 847-921-7629
 ACCOUNT NUMBER: 04590-93148



PROPOSED CABLE PLAN
 (NOT TO SCALE)

NOTES

- 1. ONLY RED SIGNAL FACES SHALL HAVE A LENS COVER INSTALLED.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 GREEN BAY ROAD AND LINCOLN STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	128
CONTRACT NO. 61K60				

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 DRAWN - XXX
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 DATE -
 REVISIONS -

REVISIONS -
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 REVISIONS -

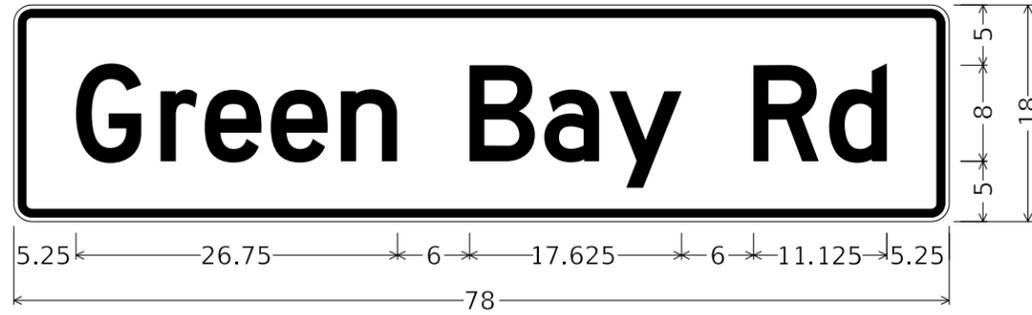
SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

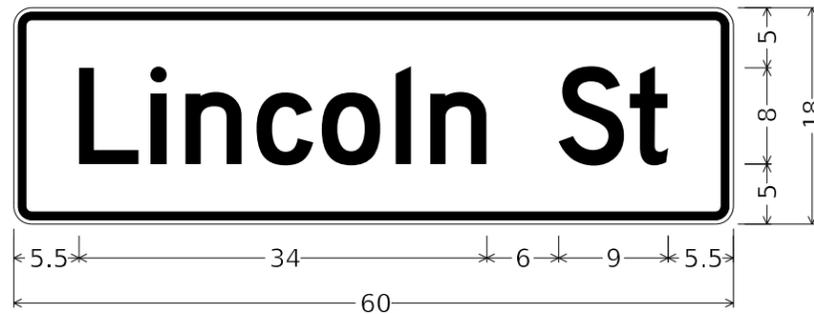
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SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	19.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1088
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	317
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1718
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2418
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1815
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	723
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	265
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1463
TRAFFIC SIGNAL POST, 10 FT.	EACH	2
TRAFFIC SIGNAL POST, 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	70.5
CONCRETE FOUNDATION, TYPE C	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	240
CONFIRMATION BEACON	EACH	5
LIGHT DETECTOR	EACH	5
LIGHT DETECTOR AMPLIFIER	EACH	5
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	58.5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
LED SIGNAL FACE, LENS COVER	EACH	14
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1

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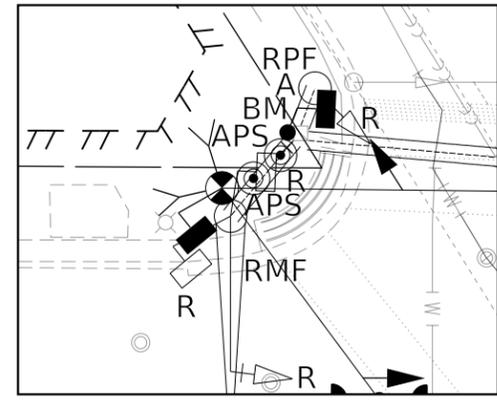
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PLOT SCALE = 2,000' / 1" =	CHECKED - XXX	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

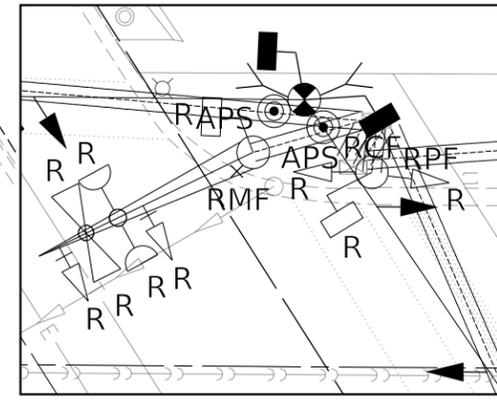
**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
GREEN BAY ROAD AND LINCOLN STREET**

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 129
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

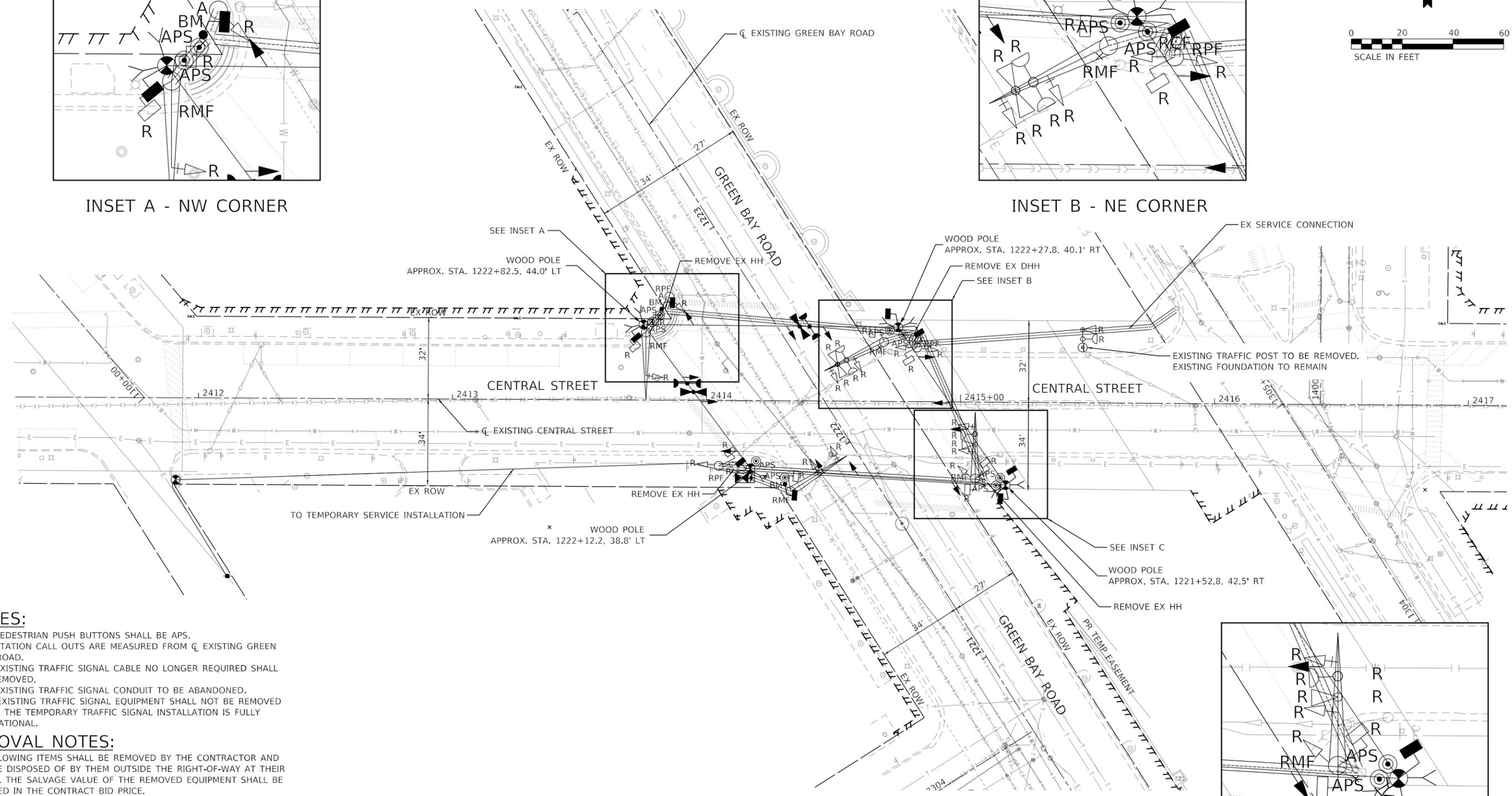
SCALE: SHEET OF SHEETS STA. TO STA.



INSET A - NW CORNER



INSET B - NE CORNER



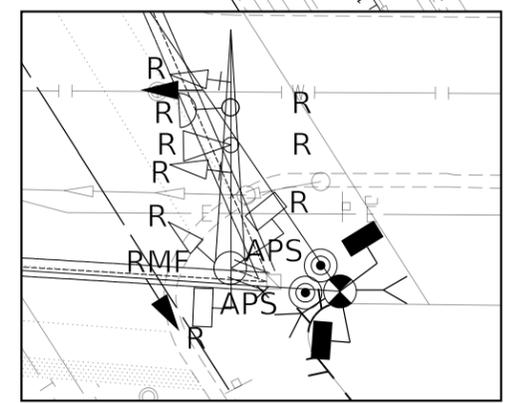
NOTES:

1. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.
2. ALL STATION CALL OUTS ARE MEASURED FROM CL EXISTING GREEN BAY ROAD.
3. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
4. ALL EXISTING TRAFFIC SIGNAL CONDUIT TO BE ABANDONED.
5. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IS FULLY OPERATIONAL.

REMOVAL NOTES:

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

4	EACH	STEEL MAST ARM ASSEMBLY AND POST
4	EACH	TRAFFIC SIGNAL POST
9	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD
3	EACH	EMERGENCY VEHICLE LIGHT DETECTOR
3	EACH	CONFIRMATION BEACON
1	EACH	CONTROLLER AND CABINET (COMPLETE)



INSET C - SE CORNER

MODEL: Default
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USER NAME	= olivia.elgazar
DESIGNED	-
DRAWN	-
PLOT SCALE	= 40.0000' / in.
CHECKED	-
DATE	= 7/10/2024

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

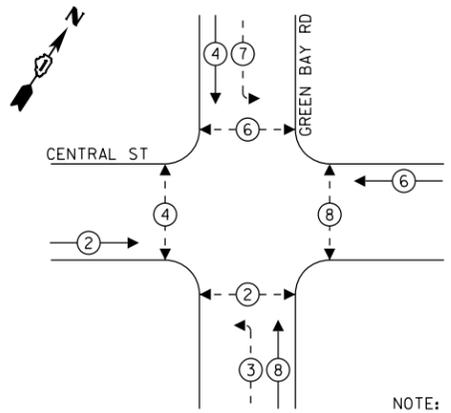
**TRAFFIC SIGNAL EQUIPMENT REMOVAL AND TEMPORARY PLAN
GREEN BAY ROAD AND CENTRAL STREET**

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

F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744		19-00285-00-R5	COOK	191	130
				CONTRACT NO. 61K60	
ILLINOIS		FED. AID PROJECT			

TS 13510

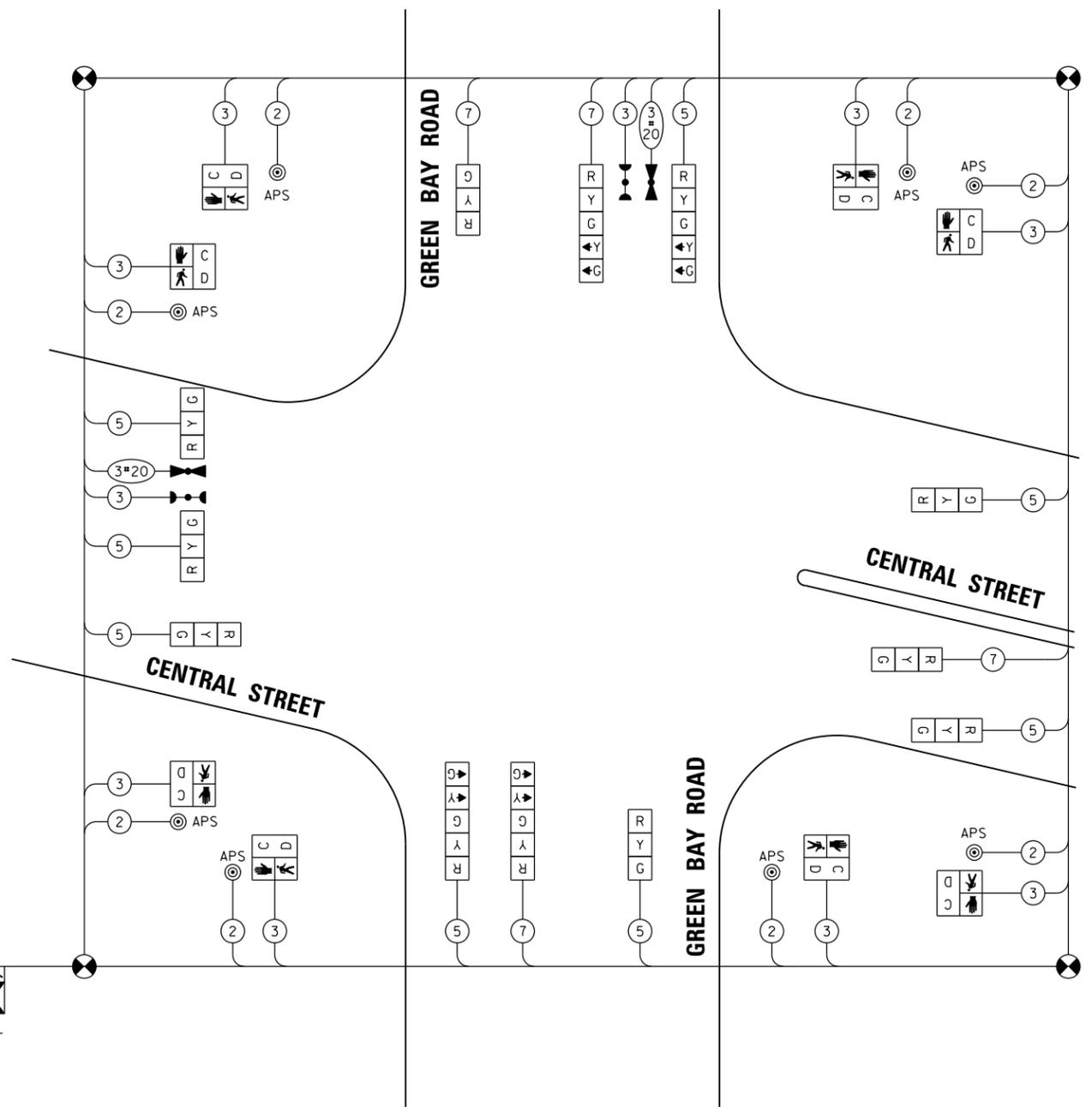
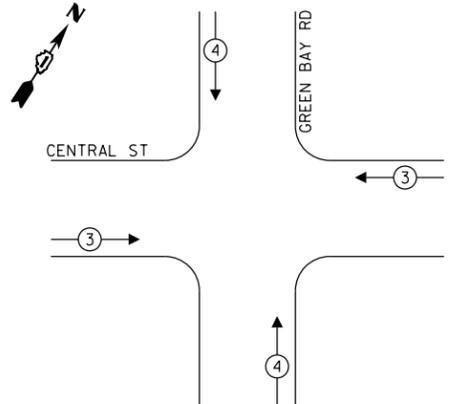
TEMPORARY CONTROLLER SEQUENCE



- LEGEND:**
- ← (⊙) ← PROTECTED PHASE
 - ← (⊙) - - PROTECTED/PERMITTED PHASE
 - ← (⊙) → PEDESTRIAN PHASE

NOTE: TEMPORARY SIGNAL OPERATIONS WILL BE PRE-TIMED

**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



TEMPORARY CABLE PLAN
(NOT TO SCALE)

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTIO	8	11
	4-SECTION	-	14
	5-SECTION	4	13
PROGRAMMABLE	3-SECTIO	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		550	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	4	15	60
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1215	

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVE
EVANSTON, ILLINOIS 60201

ENERGY SUPPLY: COMPANY: COMED
PHONE: 847-921-7629
ACCOUNT NUMBER: 04590-93148

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DESIGNED - XXX
DRAWN - XXX
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CHECKED - XXX
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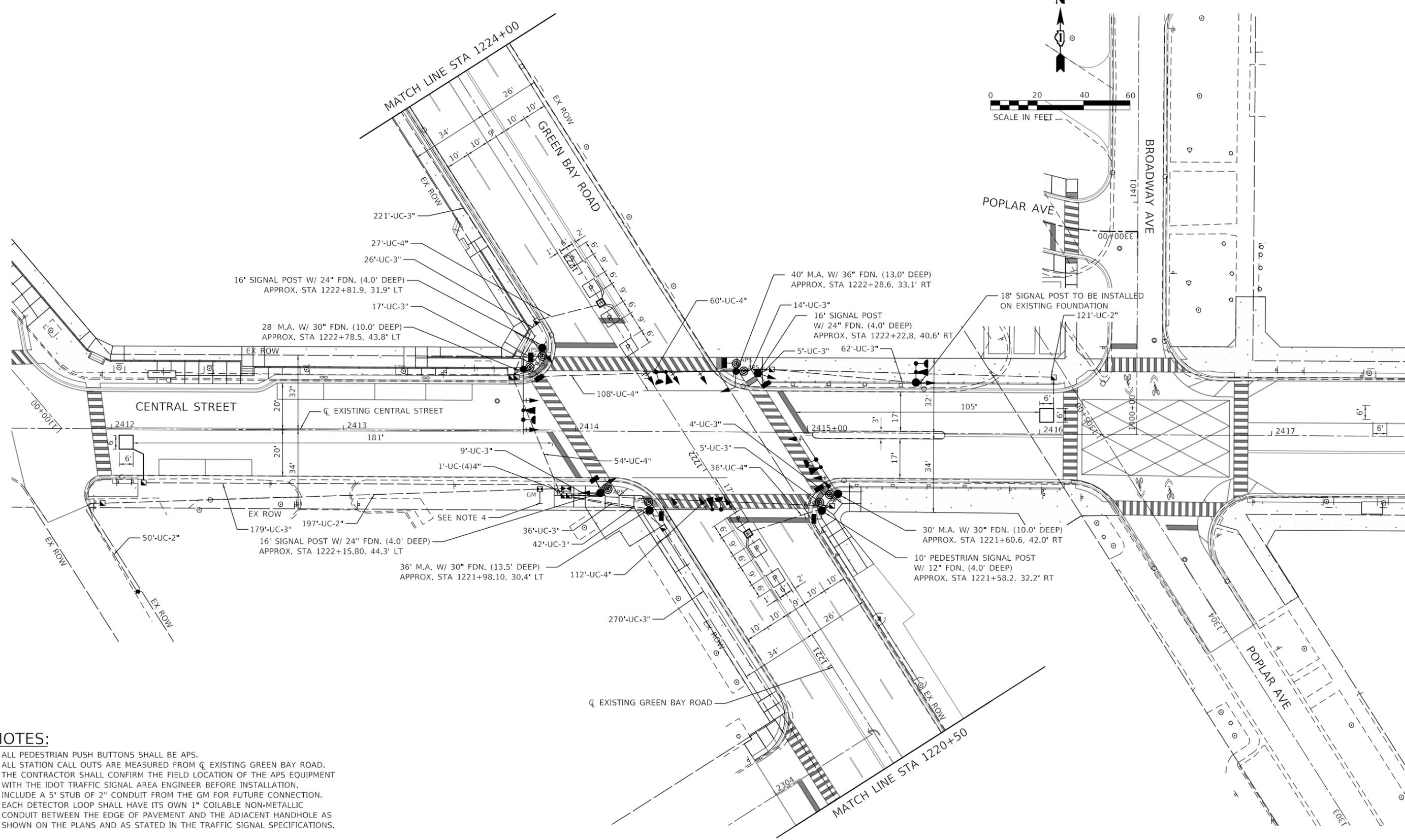
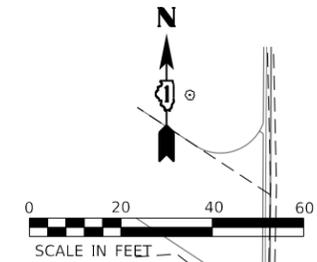
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN AND TEMPORARY
PHASE DESIGNATION DIAGRAM
GREEN BAY ROAD AND CENTRAL STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	131
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

TS 13510

SCALE: SHEET OF SHEETS STA. TO STA.



NOTES:

1. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.
2. ALL STATION CALL OUTS ARE MEASURED FROM \bar{C} EXISTING GREEN BAY ROAD.
3. THE CONTRACTOR SHALL CONFIRM THE FIELD LOCATION OF THE APS EQUIPMENT WITH THE IDOT TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
4. INCLUDE A 5' STUB OF 2" CONDUIT FROM THE GM FOR FUTURE CONNECTION.
5. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

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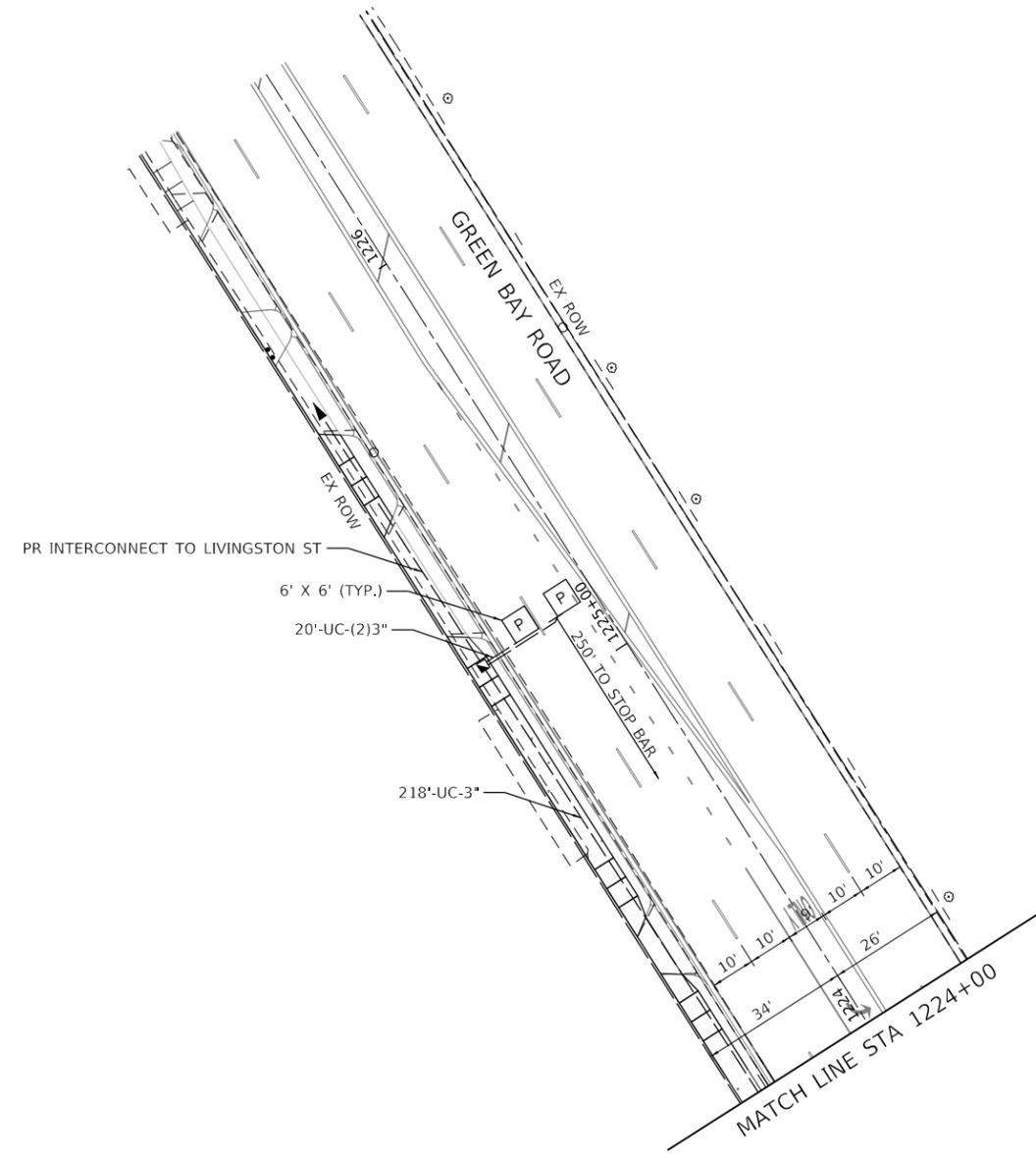
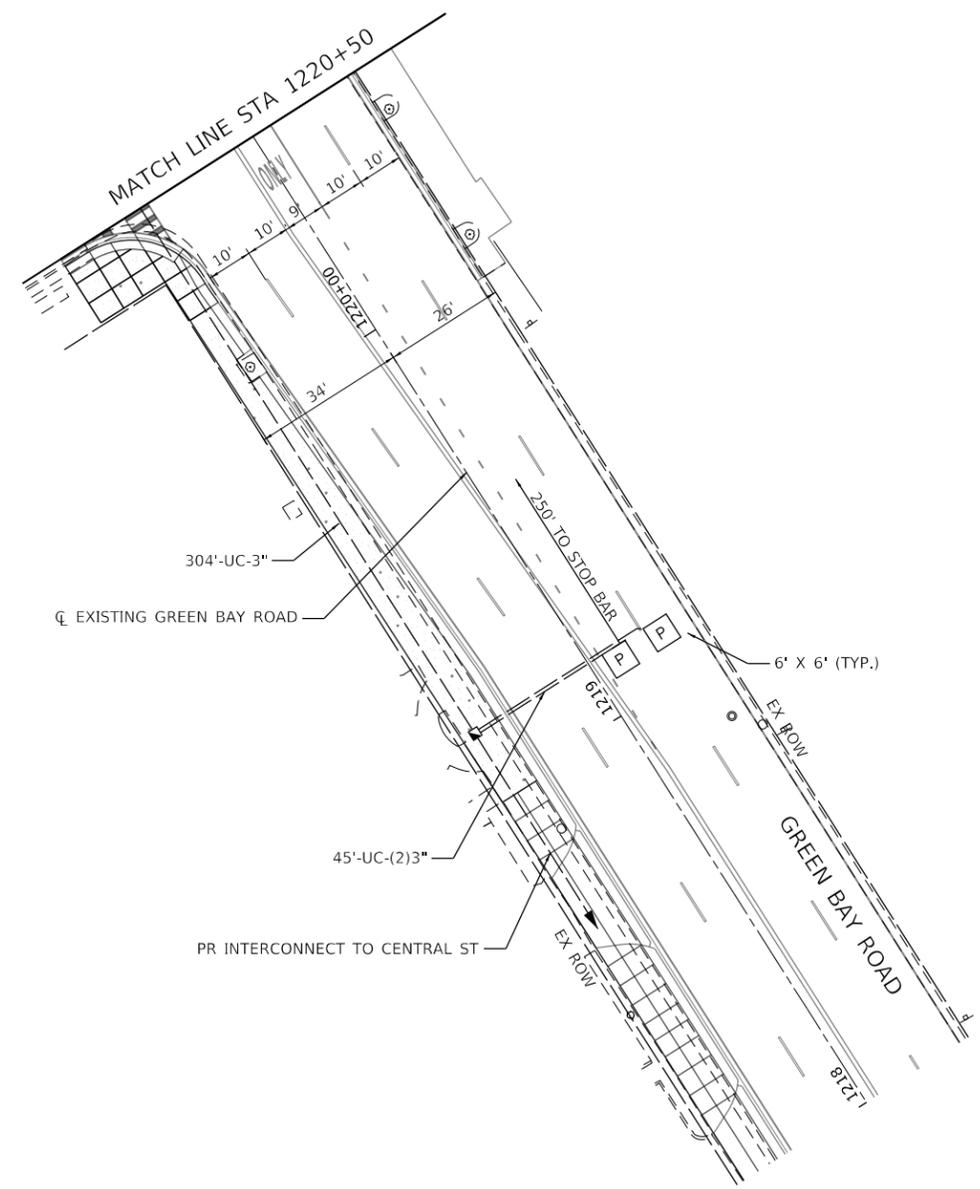
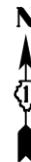


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PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TRAFFIC SIGNAL PLAN GREEN BAY ROAD AND CENTRAL STREET	
SCALE: 1" = 20'	SHEET 1 OF 2 SHEETS STA. TO STA.

TS 13510			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
2744	19-00285-00-RS	COOK	191
CONTRACT NO. 61K60			SHEET NO. 132
ILLINOIS FED. AID PROJECT			



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 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-487-4600
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USER NAME = olivia.elgazar	DESIGNED -	REVISED -
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PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

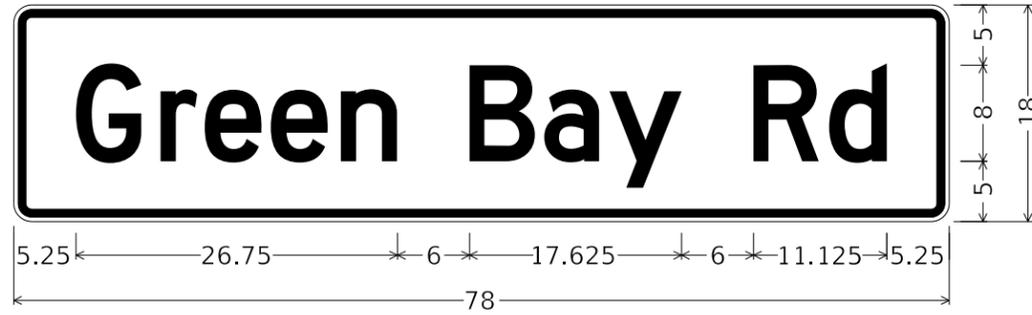
PROPOSED TRAFFIC SIGNAL PLAN GREEN BAY ROAD AND CENTRAL STREET			
SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA.	TO STA.

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CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	

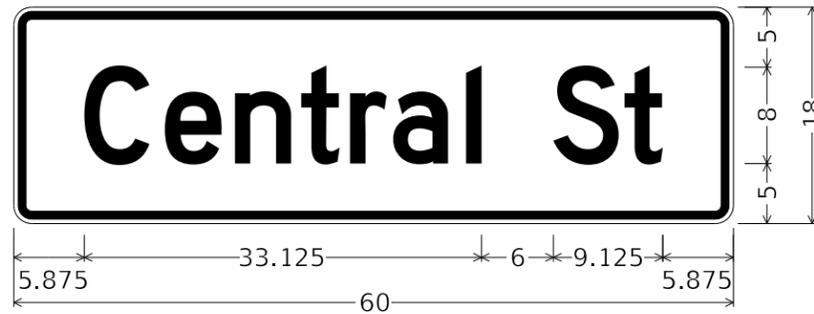
TS 13510

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	20
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	547
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	677
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	401
HANDHOLE	EACH	8
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
MASTER CONTROLLER	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2369
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2365
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2150
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	688
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	293
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1587
TRAFFIC SIGNAL POST, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, 16 FT.	EACH	3
TRAFFIC SIGNAL POST, 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	34
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE I	FOOT	70
PREFORMED DETECTOR LOOP	FOOT	264
CONFIRMATION BEACON	EACH	5
LIGHT DETECTOR	EACH	5
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7500
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	60
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
LED SIGNAL FACE, LENS COVER	EACH	17
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

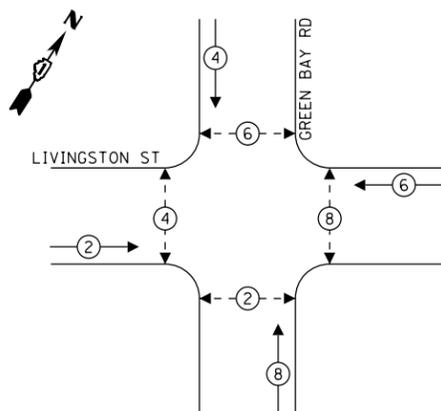
**MAST ARM MOUNTED STREET NAME SIGNS AND
SCHEDULE OF QUANTITIES
GREEN BAY ROAD AND CENTRAL STREET**

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 135
			CONTRACT NO. 61K60	
		ILLINOIS FED. AID PROJECT		

TS 13510

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

TEMPORARY CONTROLLER SEQUENCE

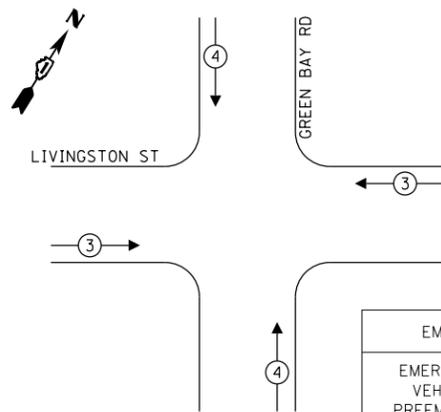


LEGEND:

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

NOTE: TEMPORARY SIGNAL OPERATIONS WILL BE PRE-TIMED

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



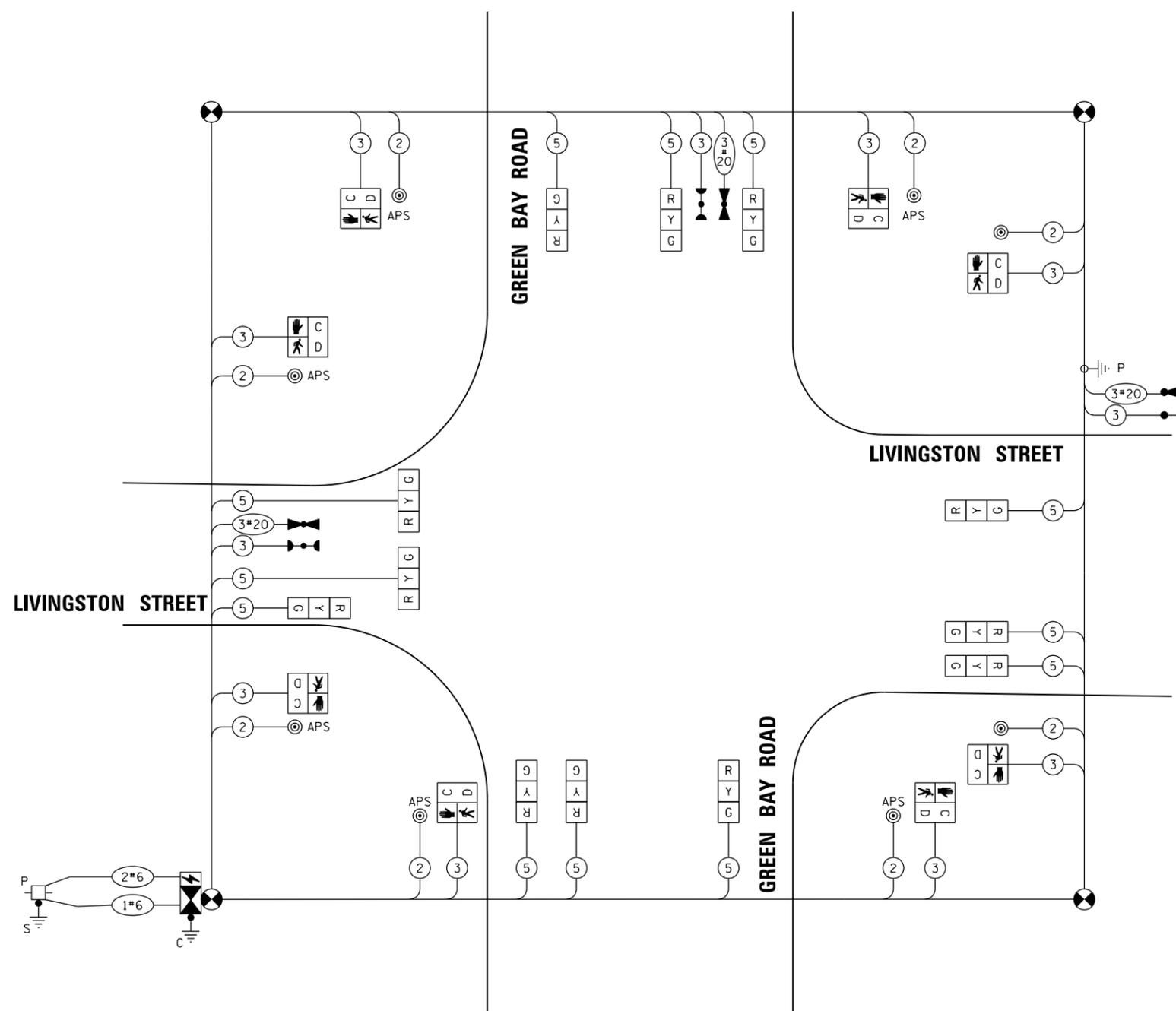
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		542	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	4	15	60
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1207	

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVE
EVANSTON, ILLINOIS 60201

ENERGY SUPPLY: COMPANY: COMED
PHONE: 847-921-7629
ACCOUNT NUMBER: 04590-93148



TEMPORARY CABLE PLAN

(NOT TO SCALE)



USER NAME = JoelTurk
DESIGNED - XXX
DRAWN - XXX
PLOT SCALE = 2,000' / in.
CHECKED - XXX
PLOT DATE = 7/10/2024
DATE -

REVISOR -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

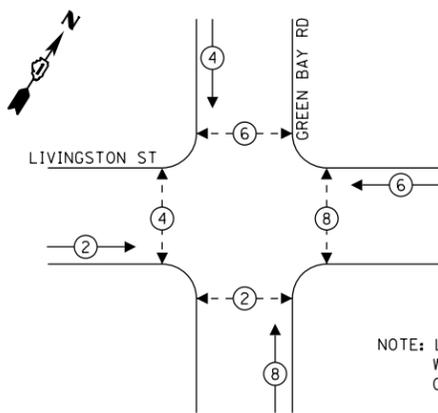
TEMPORARY CABLE PLAN AND TEMPORARY
PHASE DESIGNATION DIAGRAM
GREEN BAY ROAD AND LIVINGSTON STREET

SCALE: SHEET OF SHEETS STA. TO STA.

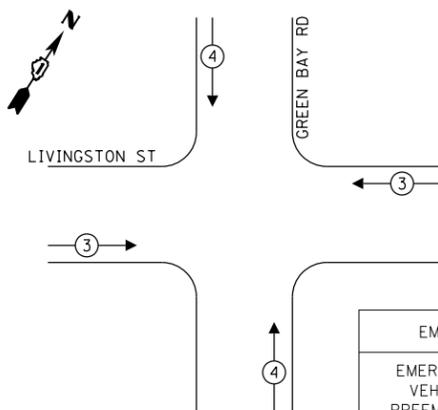
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CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

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PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

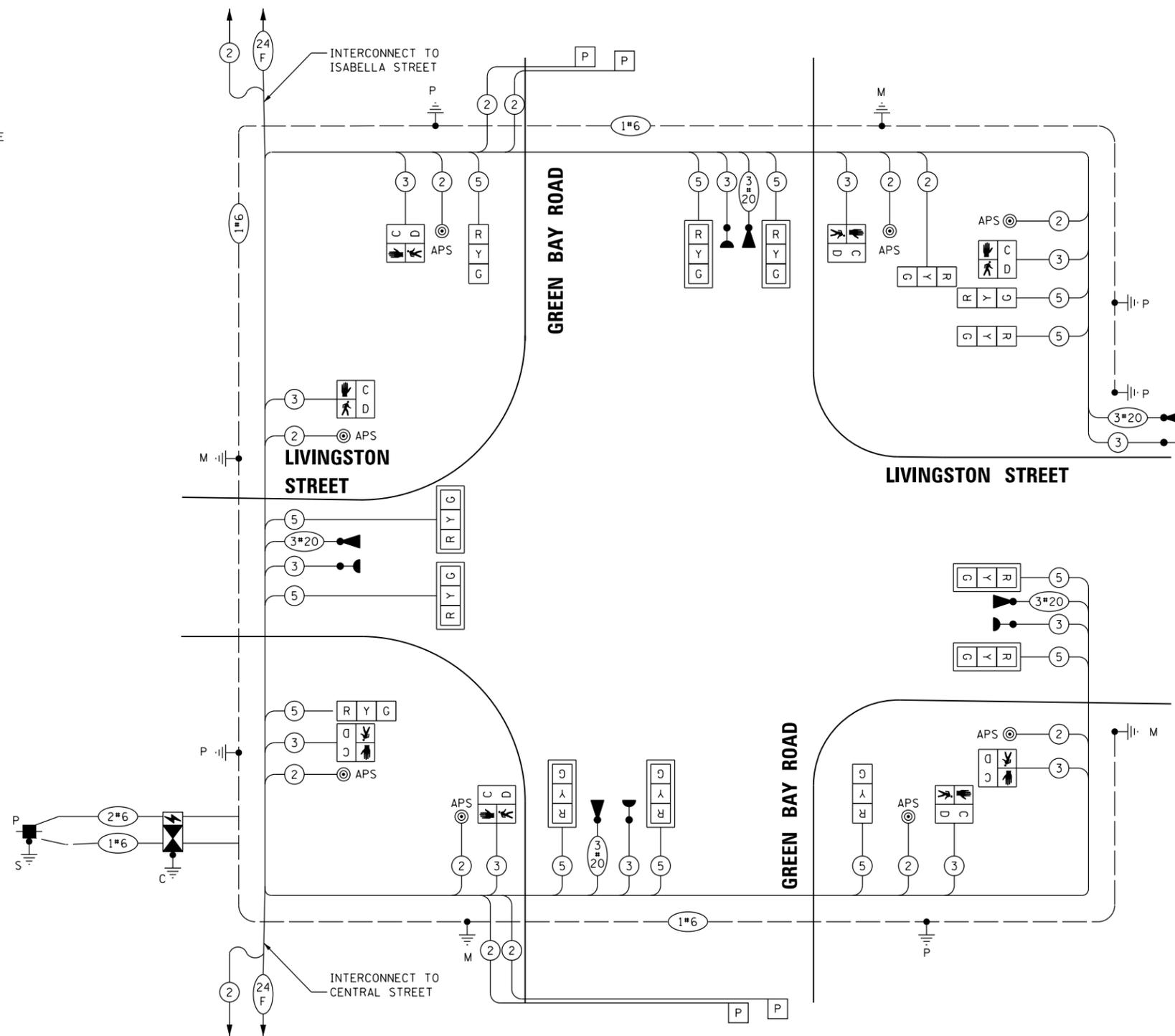


EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		564	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	4	15	60
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1229	

ENERGY COSTS TO:	CITY OF EVANSTON
	2100 RIDGE AVE
	EVANSTON, ILLINOIS 60201
ENERGY SUPPLY:	COMPANY: COMED
	PHONE: 847-921-7629
	ACCOUNT NUMBER: 04590-93148



PROPOSED CABLE PLAN

(NOT TO SCALE)

NOTES

- 1. ONLY RED SIGNAL FACES SHALL HAVE A LENS COVER INSTALLED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
GREEN BAY ROAD AND LIVINGSTON STREET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	139
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

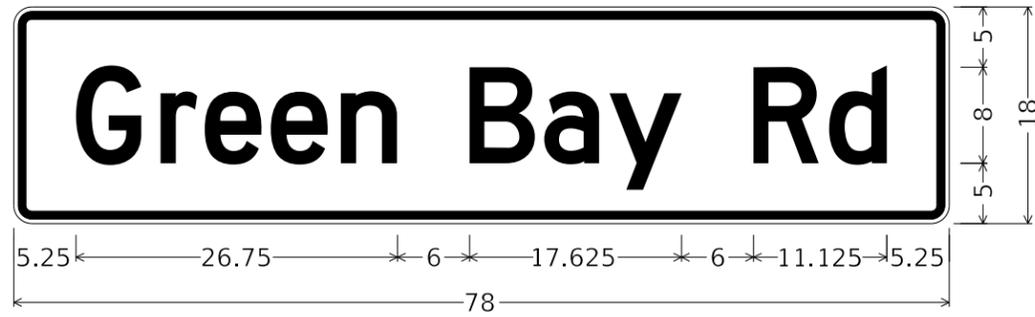
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 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDLE ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-4600
 WWW.KIMLEY-HORN.COM

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 400 WINDLE ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-4600
 WWW.KIMLEY-HORN.COM

USER NAME = JoelTurk
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 PLOT SCALE = 2,000' / in.
 CHECKED - XXX
 PLOT DATE = 7/10/2024
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SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	2	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	18
SIGN PANEL - TYPE 2	SQ FT	19.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	249
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	194
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	994
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1777
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1719
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	100
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1216
TRAFFIC SIGNAL POST, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	67
CONCRETE FOUNDATION, TYPE C	FOOT	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
CONFIRMATION BEACON	EACH	5
LIGHT DETECTOR	EACH	5
LIGHT DETECTOR AMPLIFIER	EACH	5
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	783
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
LED SIGNAL FACE, LENS COVER	EACH	15
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1

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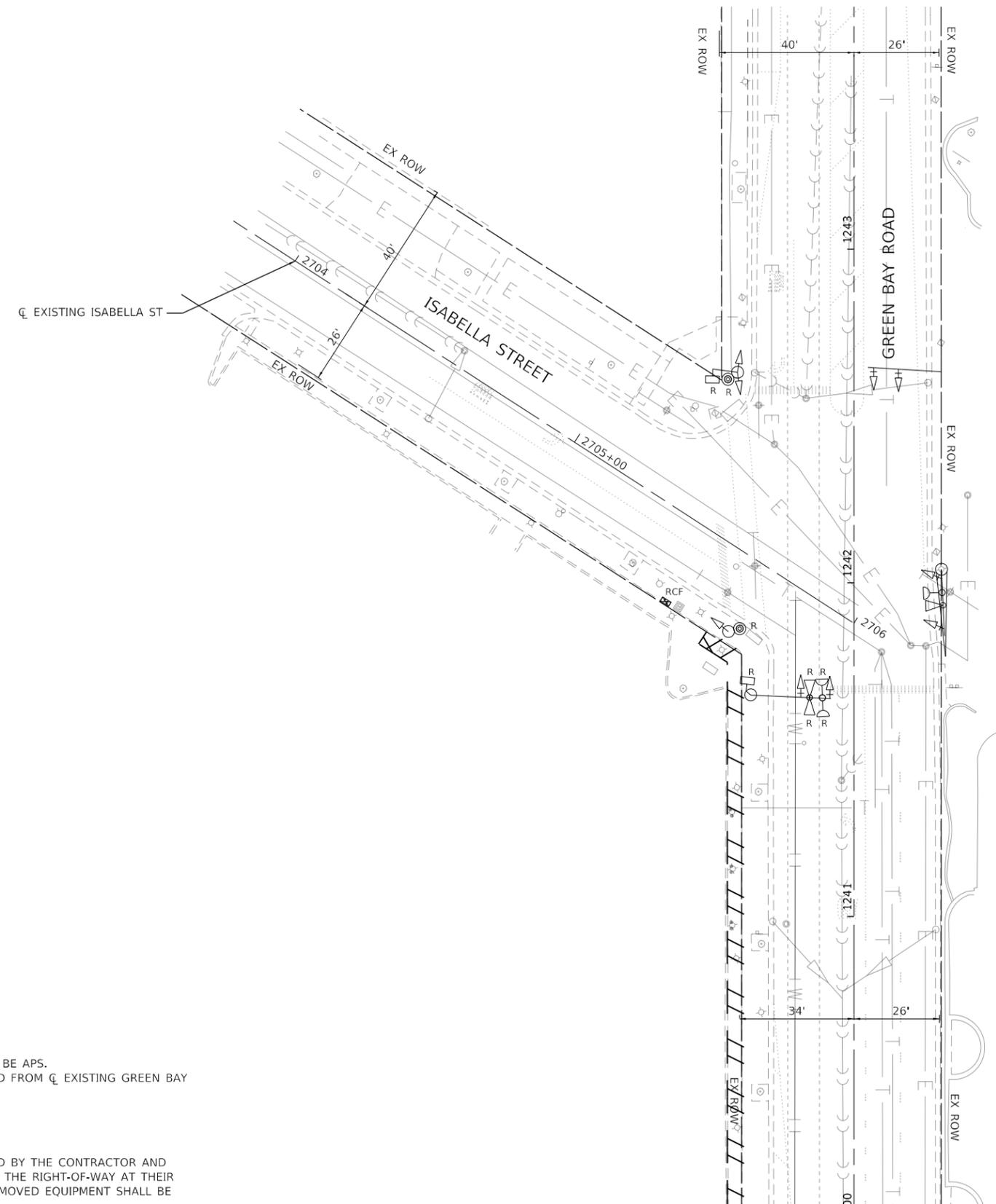
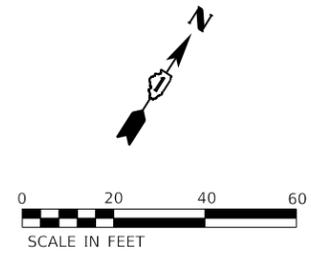
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
GREEN BAY ROAD AND LIVINGSTON STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	140
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



NOTES:

1. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.
2. ALL STATION CALL OUTS ARE MEASURED FROM \bar{C} EXISTING GREEN BAY ROAD.

REMOVAL NOTES:

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

- | | | |
|---|------|-----------------------------------|
| 2 | EACH | PEDESTRIAN PUSH BUTTON |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD |
| 1 | EACH | EMERGENCY LIGHT DETECTOR |
| 1 | EACH | CONFIRMATION BEACON |
| 1 | EACH | CONTROLLER AND CABINET (COMPLETE) |

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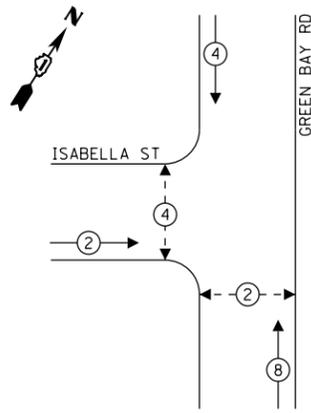
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
 GREEN BAY ROAD AND ISABELLA STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	141
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE

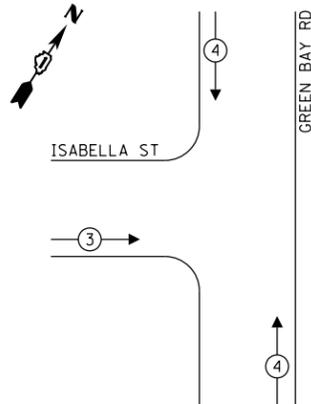


LEGEND:

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE

NOTE: ISABELLA STREET SIGNAL OPERATIONS WILL BE SEMI-ACTUATED AND COORDINATED ALONG GREEN BAY ROAD.

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



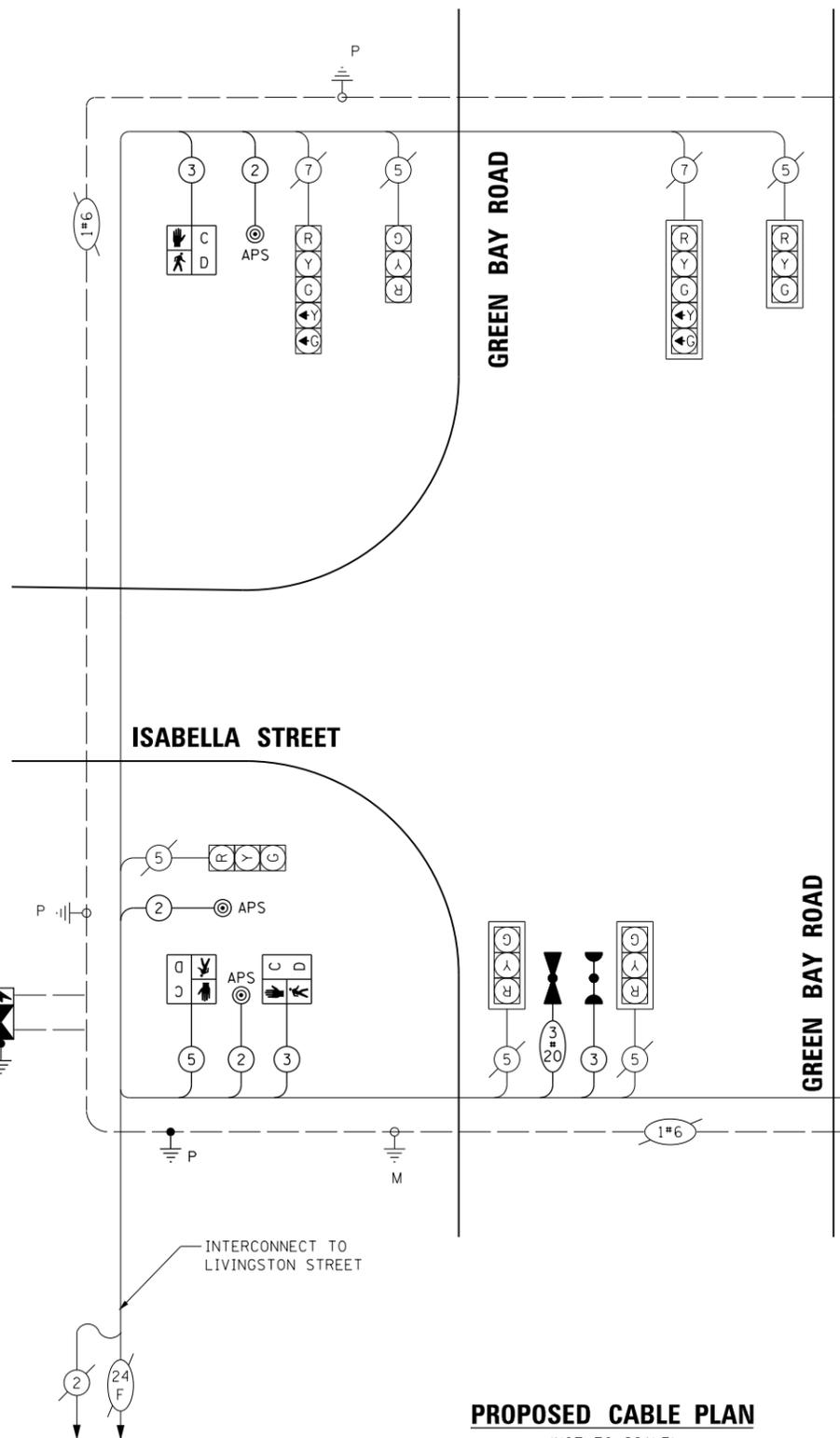
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	→	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3 SECTION	7	11	77
4 SECTION	-	14	-
5 SECTION	2	13	26
PROGRAMMABLE 3 SECTION	-	22	-
4 SECTION	-	32	-
5 SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	3	20	60
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		433	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	4	15	60
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1098	

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVE
EVANSTON, ILLINOIS 60201

ENERGY SUPPLY: COMPANY: COMED
PHONE: 847-921-7629
ACCOUNT NUMBER: 04590-93148



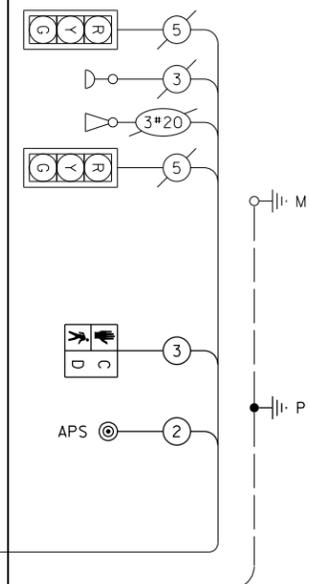
PROPOSED CABLE PLAN
(NOT TO SCALE)

NOTES

- ONLY RED SIGNAL FACES SHALL HAVE A LENS COVER INSTALLED.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	321
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	76
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	445
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	497
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	111
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	248
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	155
TRAFFIC SIGNAL POST, 10 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	6
CONCRETE FOUNDATION, TYPE C	FOOT	4
DRILL EXISTING HANDHOLE	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
CONFIRMATION BEACON	EACH	2
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3C	FOOT	111
LED LAMP MODULE REPLACEMENT	EACH	27
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTIBLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
SERVICE INSTALLATION - POLE MOUNTED	EACH	1



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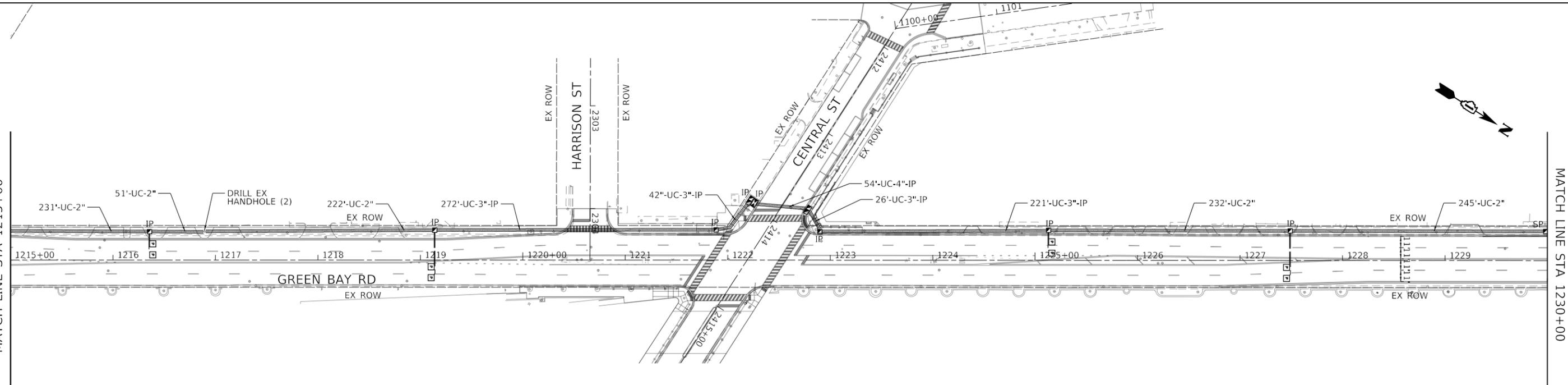
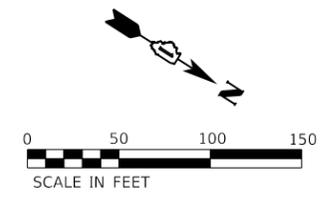
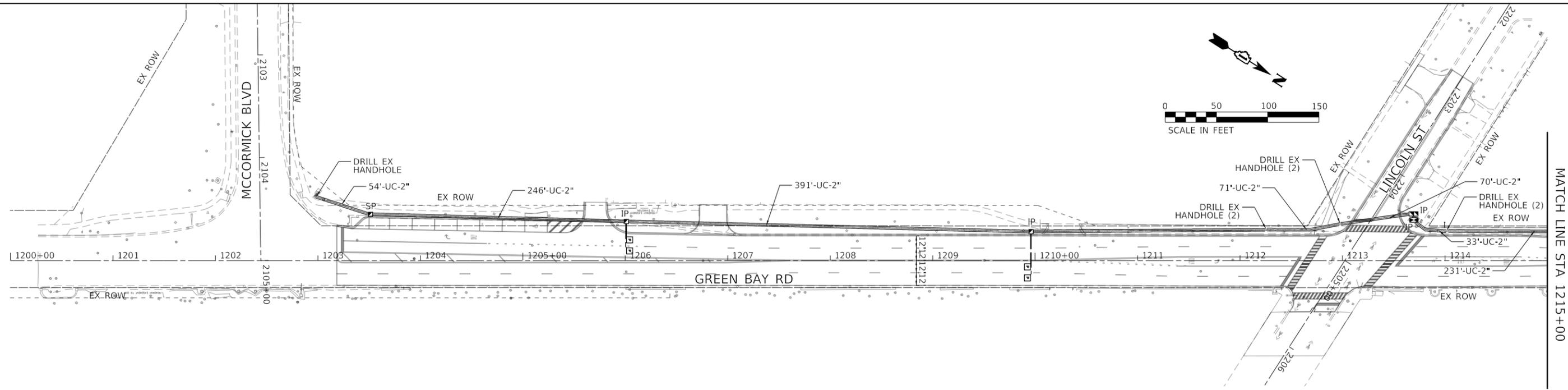
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REVISED -
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
GREEN BAY ROAD AND ISABELLA STREET
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	143
CONTRACT NO. 61K60				
ILLINOIS		FED. AID PROJECT		

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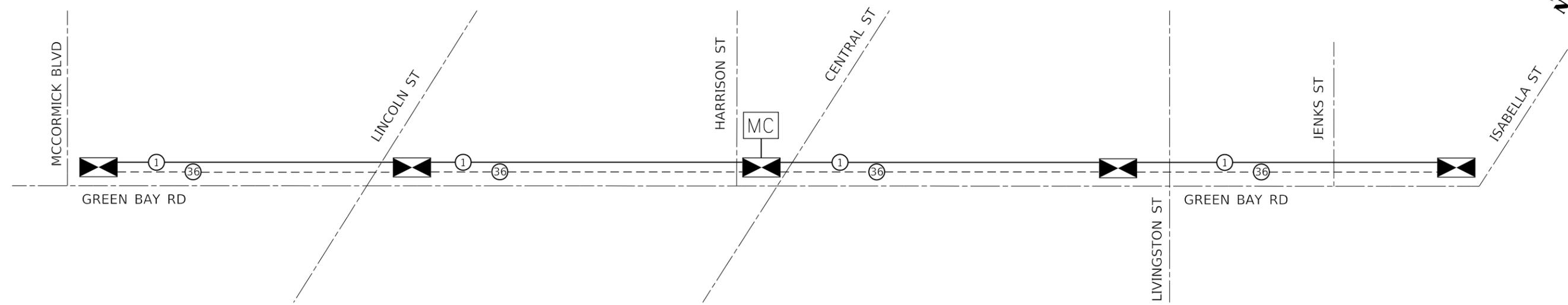
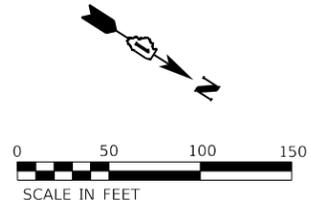
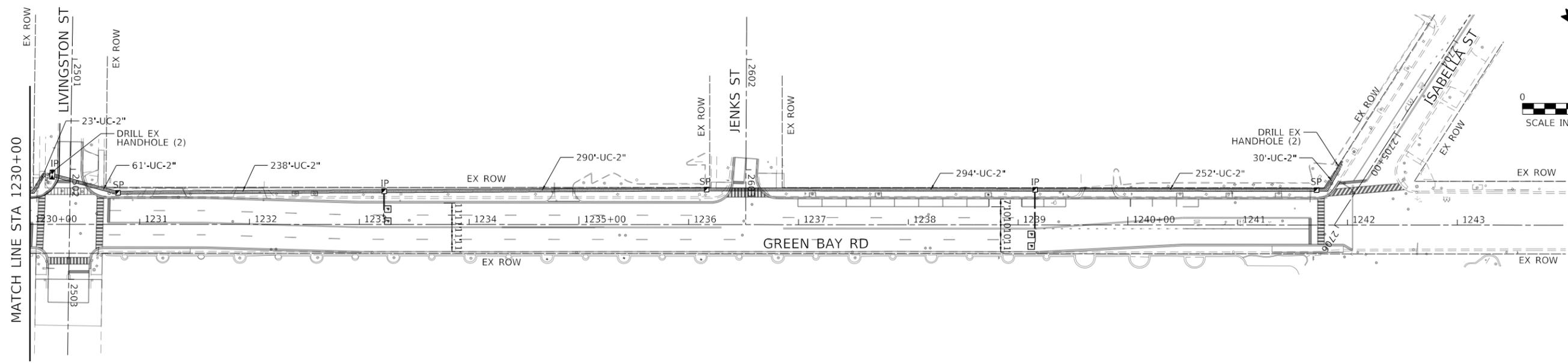
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CHECKED -	SRS	REVISED -	
DATE -		REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GREEN BAY ROAD INTERCONNECT PLAN

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 1200+00.00 TO STA. 1230+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	144
CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	



INTERCONNECT SCHEMATIC

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3001
HANDHOLE	EACH	6
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	8320
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4160
DRILL EXISTING HANDHOLE	EACH	13

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PLOT SCALE = 100,0000 ' / in.	DRAWN - KKH	REVISED -
PLOT DATE = 7/10/2024	CHECKED - SRS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GREEN BAY ROAD INTERCONNECT PLAN

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 1230+00.00 TO STA. 1245+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	145
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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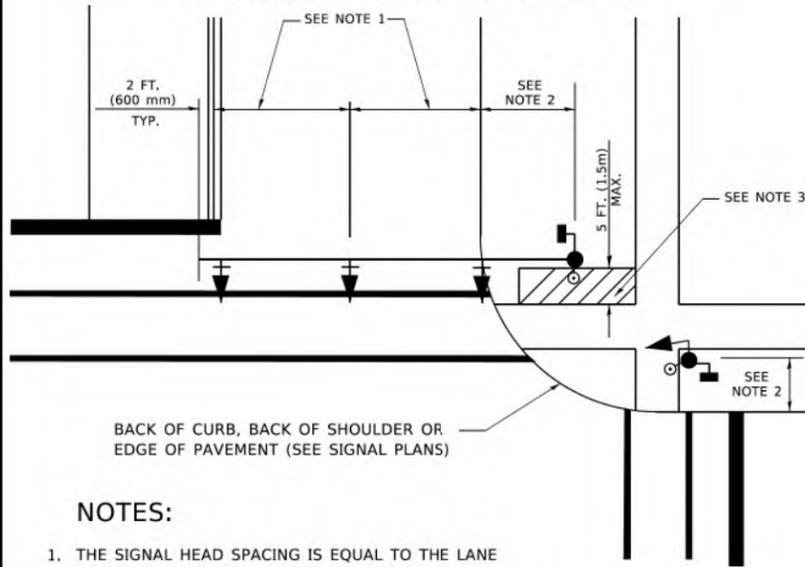
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DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. _____	TO STA. _____

F.A.U. RTE. 2744	SECTION 19-00285-00-RS	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 146
TS-05			CONTRACT NO. 61K60	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

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

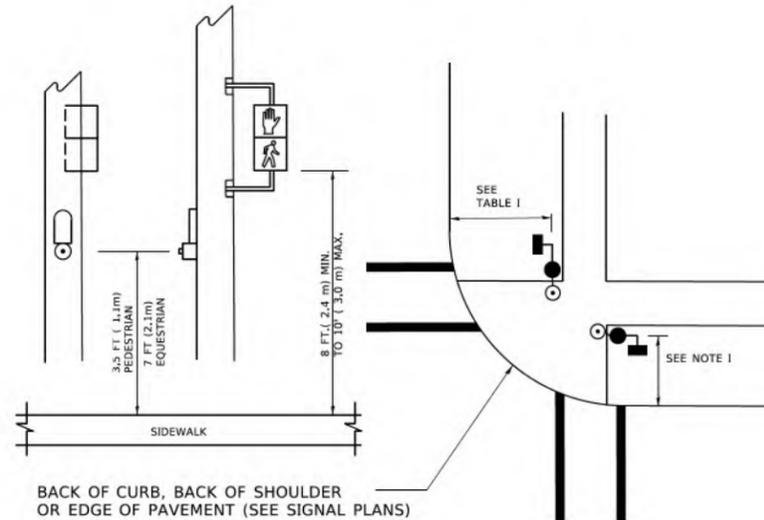


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

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

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST

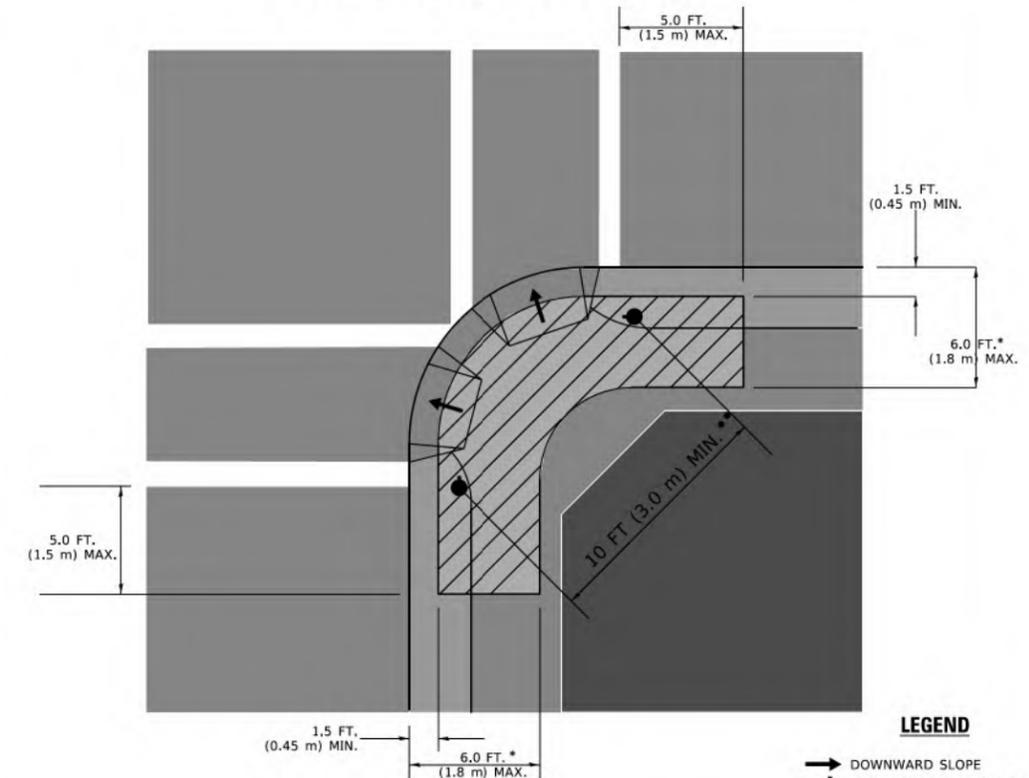


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

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



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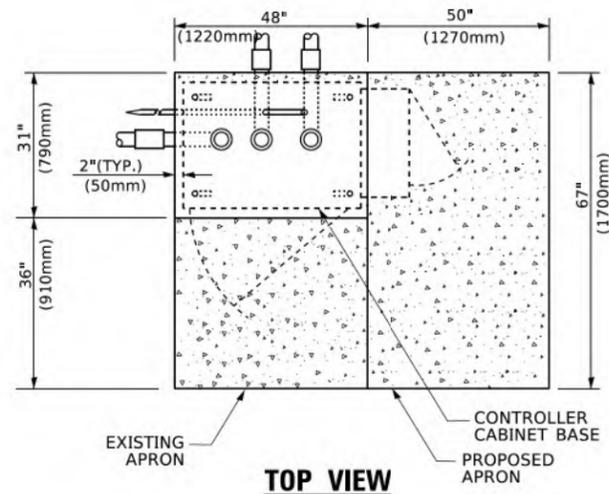
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

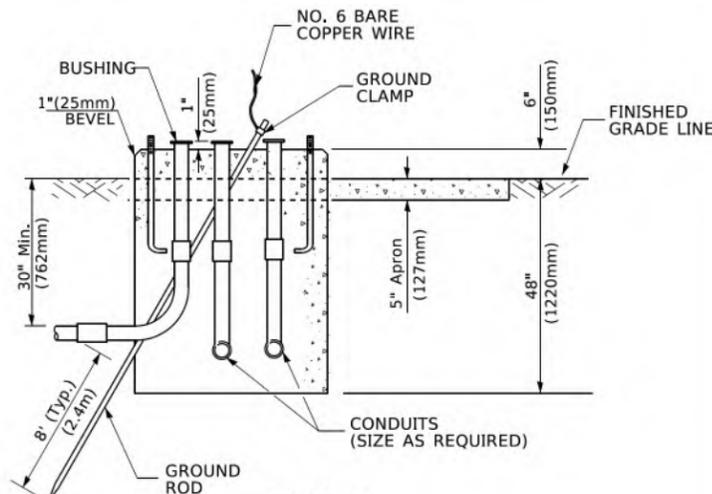
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

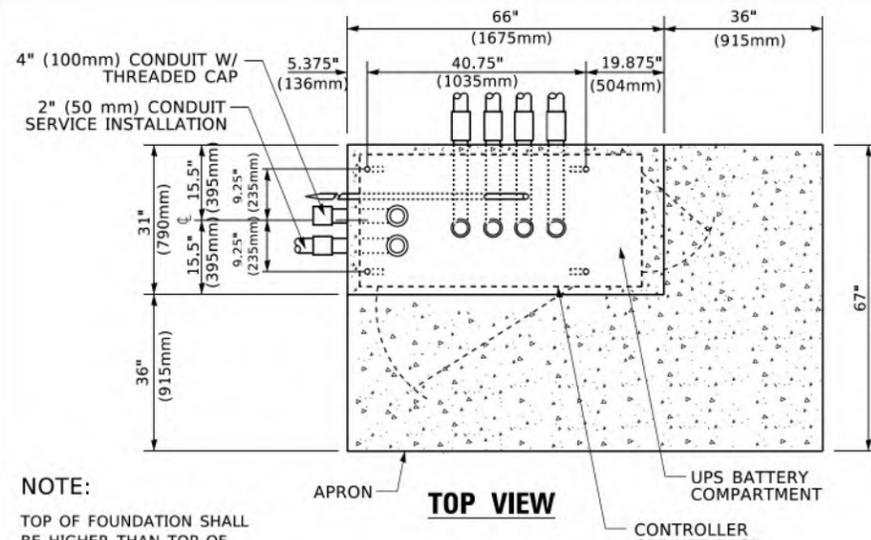
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TOP VIEW

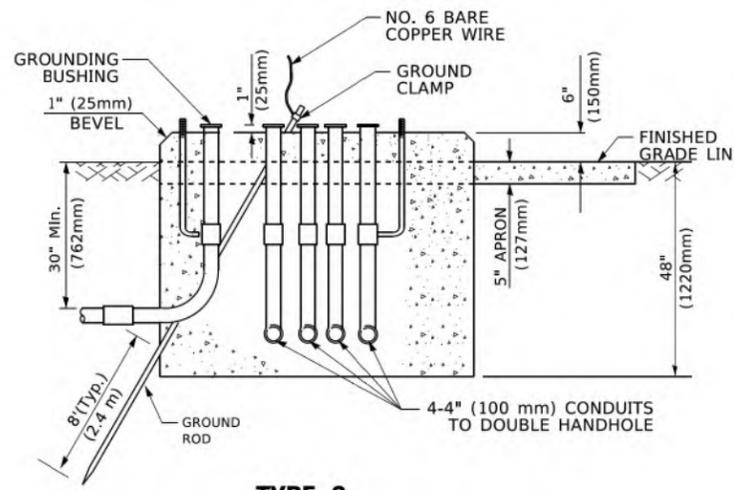


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

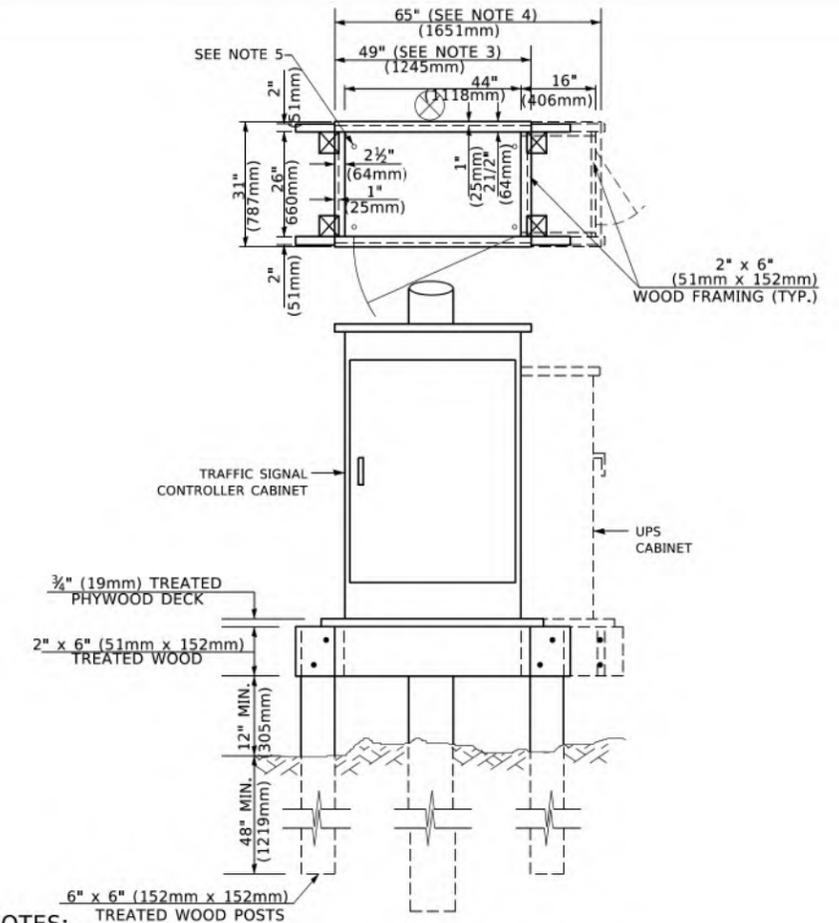


TOP VIEW

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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E



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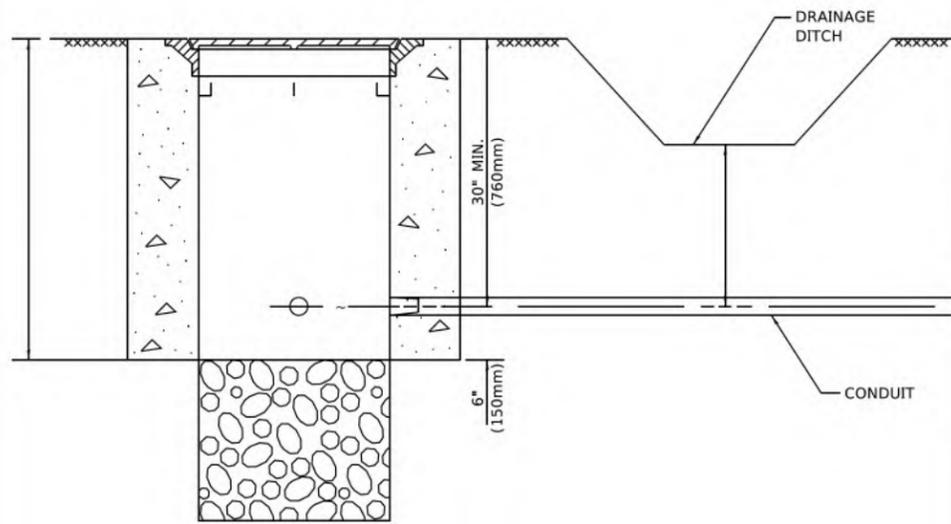
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05			CONTRACT NO. 61K60	
ILLINOIS FED. AID PROJECT				

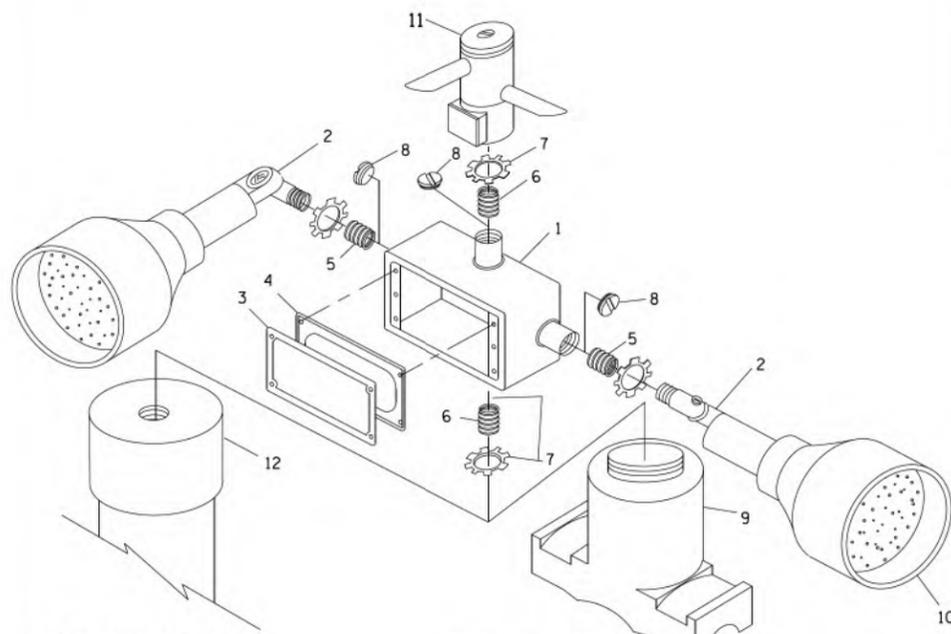
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NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

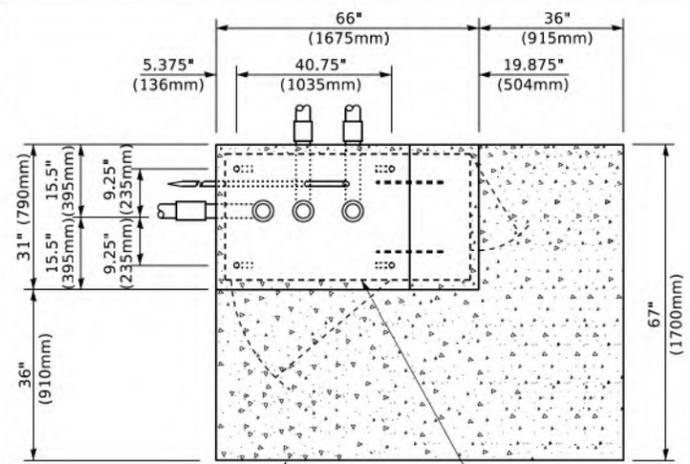


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

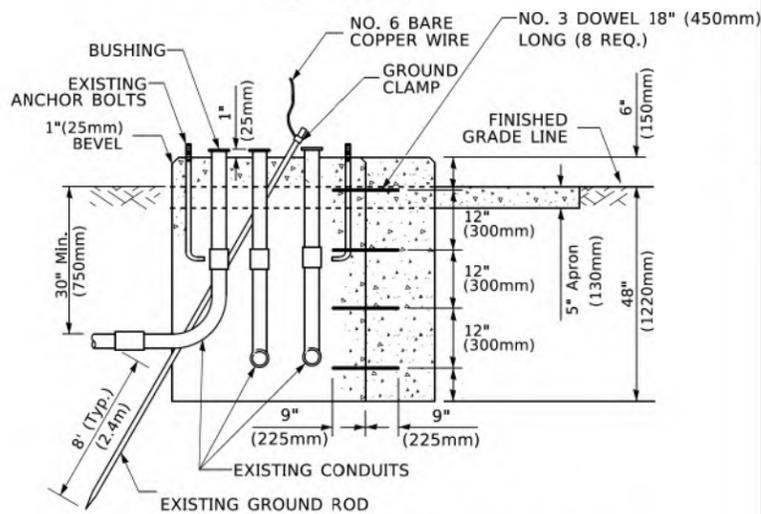
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

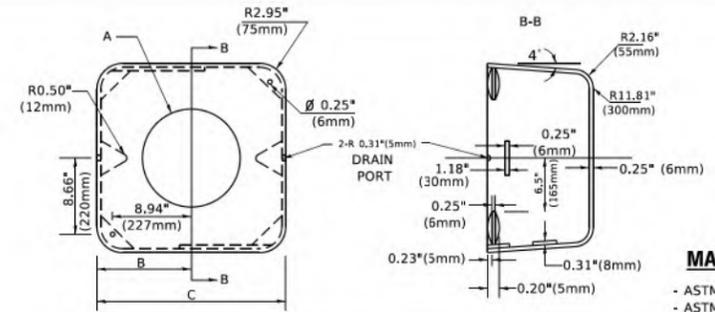
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE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



TOP VIEW
(NOT TO SCALE)



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



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

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

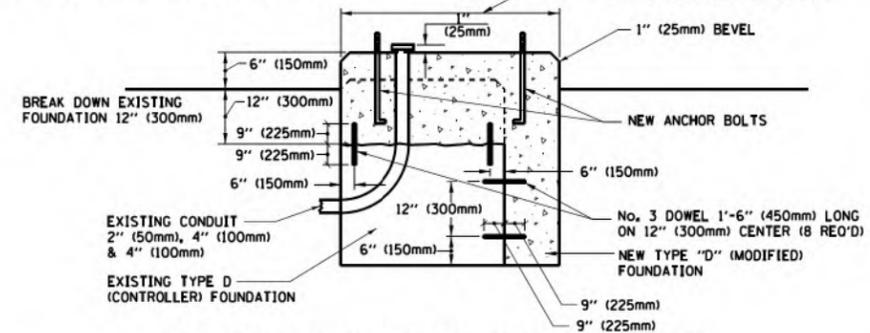
SHROUD

NOTES:

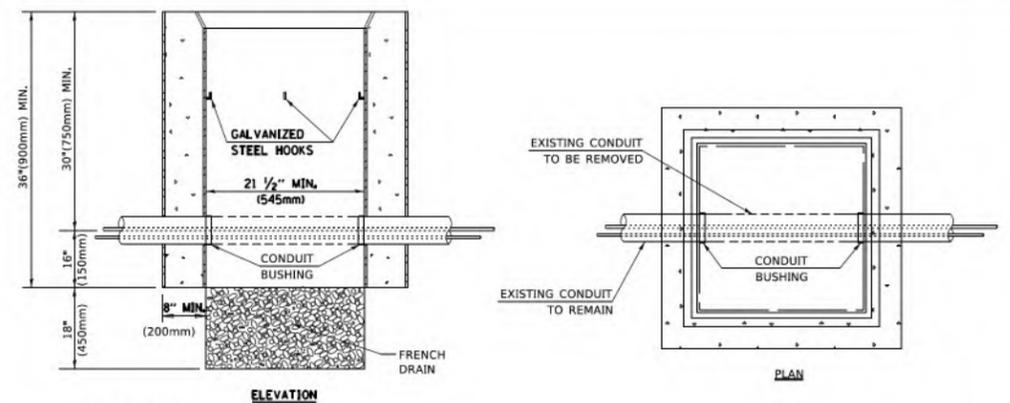
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT



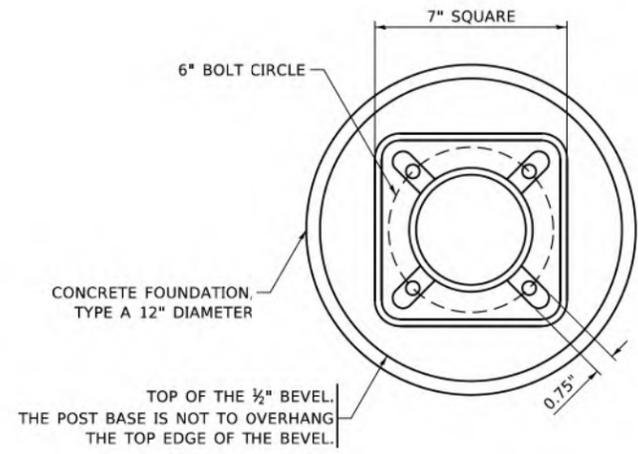
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

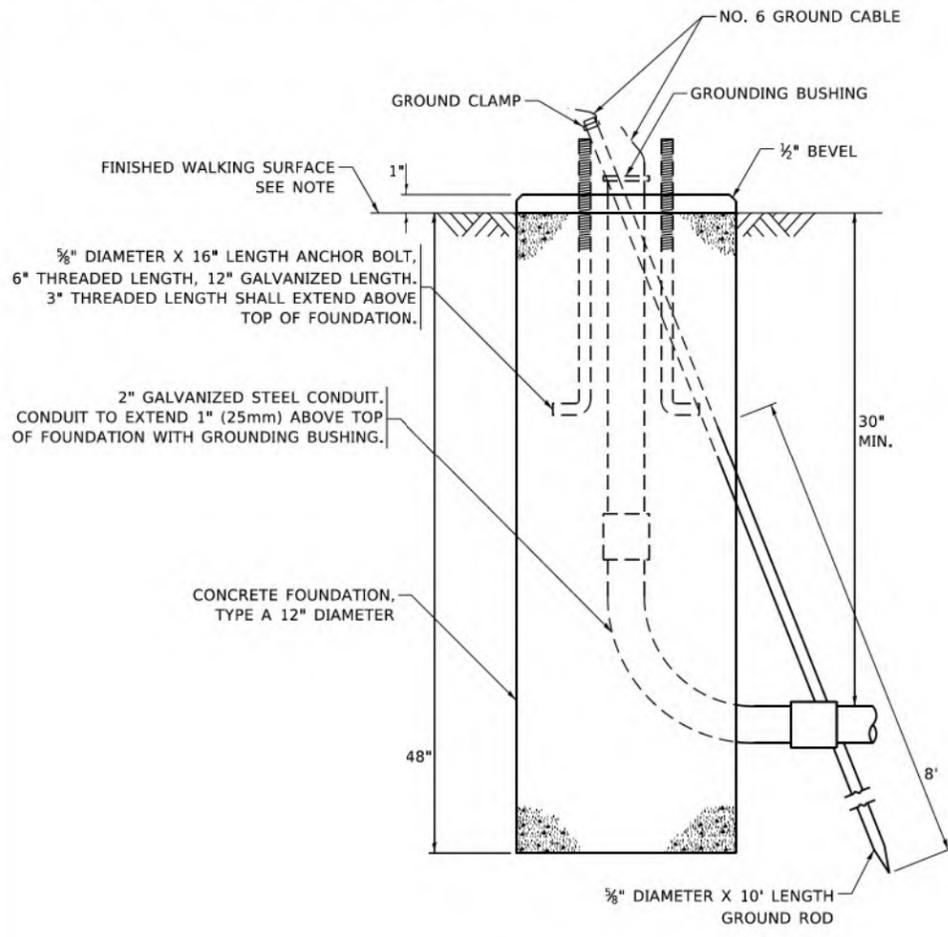
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ILLINOIS FED. AID PROJECT				

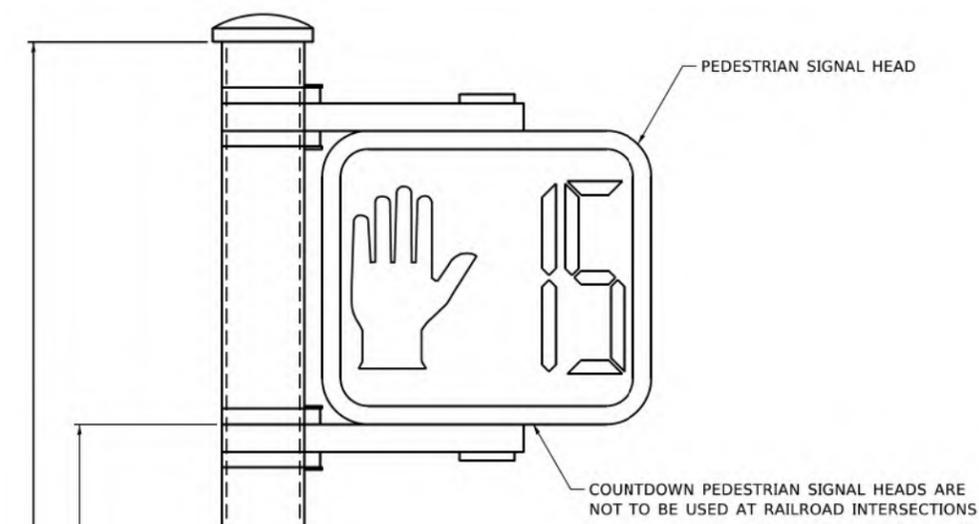


BOLT PATTERN

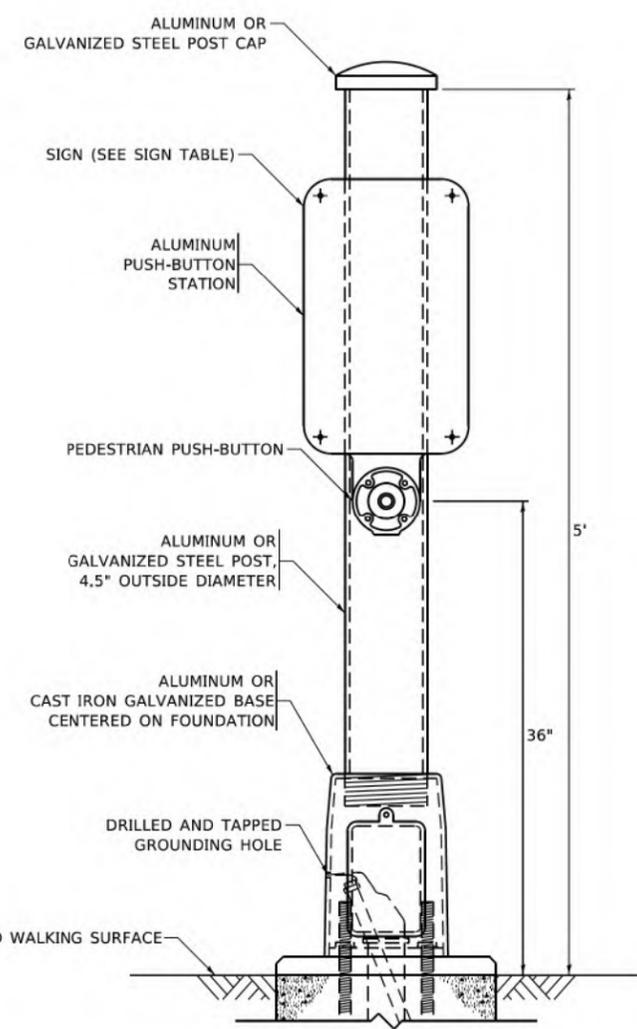
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

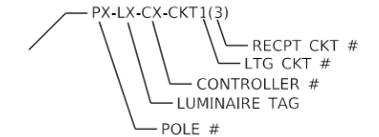
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2744	19-00285-00-R5	COOK	191	152
TS-05		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

LIGHTING GENERAL NOTES:

- FINAL LOCATION OF EQUIPMENT AND DEVICES TO BE FIELD COORDINATED WITH CITY AND/OR CITY'S REPRESENTATIVE. STUB-UP LOCATIONS FOR ALL UNDER SLAB CONDUITS SHALL BE FIELD LOCATED.
- CONTRACTOR SHALL COORDINATE ALL TEMPORARY INTERRUPTIONS TO POWER WITH ALL AFFECTED PARTIES PRIOR TO INTERRUPTION. ALL INTERRUPTIONS SHALL BE KEPT TO A MINIMUM DURATION. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL TEMPORARY POWER REQUESTED BY AFFECTED PARTIES THROUGHOUT THE DURATION OF THE INTERRUPTION.
- NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES SHALL BE PERMITTED. ELECTRIC HANDHOLES SHALL BE USED FOR THE PURPOSE OF PULLING CABLES ONLY.
- ALL SHORT CIRCUIT RATINGS AND OVERCURRENT PROTECTIVE DEVICE RATINGS SHALL BE GREATER THAN THE AVAILABLE FAULT CURRENT AT EACH RESPECTIVE PIECE OF EQUIPMENT.
- CONTRACTOR SHALL PROVIDE THREE PRINTED COPIES AND ONE ELECTRONIC COPY OF SUBMITTALS, MANUALS, SERVICE AGENCIES AND WARRANTIES TO THE CITY UPON COMPLETION OF CONSTRUCTION.
- ALL EQUIPMENT TO BE REMOVED AS PART OF THE SCOPE SHALL BE SALVAGED AS DIRECTED BY THE CITY.
- FOR THE LOCATIONS OF IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES CALL MEADE ELECTRIC CO. AT (773) 287-7672.

LIGHTING LEGEND

- PROPOSED 35' MOUNTING HEIGHT POLE WITH 8' DAVIT ARM AND LED LUMINAIRE AND 14' MOUNTING HEIGHT LED PEDESTRIAN LUMINAIRE
- PROPOSED 35' MOUNTING HEIGHT POLE WITH 8' DAVIT ARM AND LED LUMINAIRE
- PROPOSED UNDERGROUND CONDUIT, SCHEDULE 40 HDPE
- PROPOSED ABOVE GROUND RGS CONDUIT
- PROPOSED RGS CONDUIT SLEEVE UNDER PAVEMENT WITH SCH40 HDPE PULLED THRU
- TEMPORARY AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE (MIN. 18' ABOVE GRADE)
- PROPOSED LIGHTING CONTROLLER (PER BDE-210)
- PROPOSED UTILITY CONNECTION
- EXISTING TALLMADGE LIGHTPOLE AND LUMINAIRE TO REMAIN
- EXISTING TALLMADGE LIGHTPOLE AND LUMINAIRE TO BE REMOVED
- EXISTING DAVIT ARM LIGHTPOLE AND LUMINAIRE TO REMAIN
- EXISTING DAVIT ARM LIGHTPOLE AND LUMINAIRE TO BE REMOVED
- PROPOSED HANDHOLE (PER IDOT STANDARD 814001-03)
- PROPOSED JUNCTION BOX (SIZE PER NEC)



ABBREVIATIONS

- A AMPERES
- AC ALTERNATING CURRENT
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AIC AMPERES INTERRUPTING CAPACITY
- AL ALUMINUM
- AT AMP TRIP
- AWG AMERICAN WIRE GAUGE
- C CONTACTOR/CONDUIT/COIL
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- DC DIRECT CURRENT
- DISC DISCONNECT
- DWG DRAWING
- GND GROUND
- HH HANDHOLE
- J JUNCTION BOX
- KCMIL THOUSAND CIRCULAR MILS
- KVA KILOVOLT AMPERE
- LTG LIGHTING
- M METER
- MIN MINIMUM
- MTD MOUNTED
- MTG MOUNTING
- N NEUTRAL OR NORTH
- NEC NATIONAL ELECTRICAL CODE
- N.I.C. NOT IN CONTRACT
- NTS NOT TO SCALE
- P POLE
- PC PHOTOCELL
- TC TIME CLOCK
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION
- UE UNDERGROUND ELECTRICAL
- UON UNLESS OTHERWISE NOTED
- V VOLTS
- VA VOLT AMPERES
- W WIRE OR WATT
- WP WEATHER PROOF
- XFMR TRANSFORMER

BILL OF MATERIALS		
DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	1
ELECTRIC SERVICE INSTALLATION	EACH	2
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1465
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	271
HANDHOLE	EACH	7
UNIT DUCT, 600V, 5-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	5401
ELECTRIC CABLE IN CONDUIT, 600V ((XLP-TYPE USE) 1/C NO. 2	FOOT	5401
LIGHTING CONTROLLER, BASE MOUNTED, 240V, 100AMP	EACH	2
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	209
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	52
REMOVAL OF POLE FOUNDATION	EACH	52
REMOVAL OF LIGHTING CONTROLLER	EACH	2
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2
REMOVE EXISTING HANDHOLE	EACH	5
GFCI 20 AMP DUPLEX RECEPTACLE	EACH	38
PAINTING LIGHT POLE UNIT	EACH	38
LIGHTING UNIT COMPLETE (SPECIAL)	EACH	36
LIGHT POLE (SPECIAL)	EACH	2
LIGHTING CONTROLLER FOUNDATION	EACH	2
REMOVE TEMPORARY WOOD POLE	EACH	4
TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	4
TEMPORARY LIGHTING SYSTEM	L SUM	1
MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1

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 WARRENVILLE, IL 60550
 PHONE: 630-471-6000
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USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - AJD	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

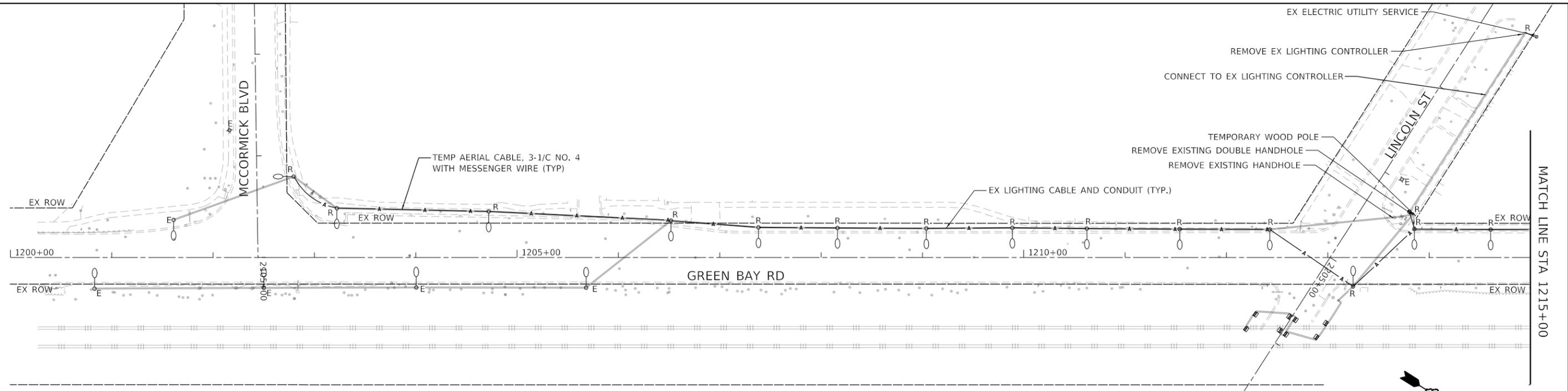
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GREEN BAY ROAD CORRIDOR IMPROVEMENTS
 LIGHTING GENERAL NOTES**

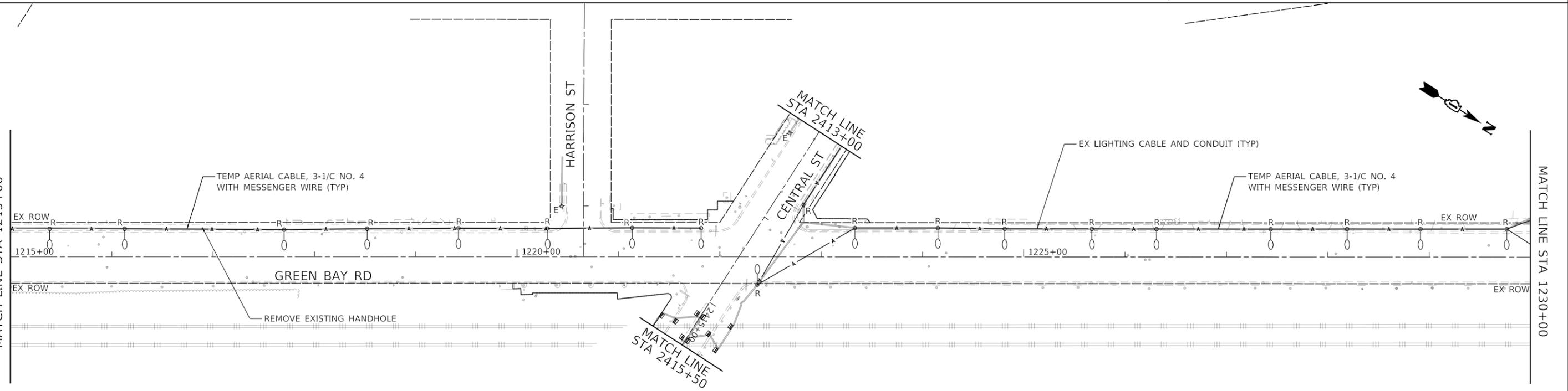
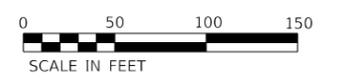
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	153
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

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- NOTES**
- EXISTING LIGHTING CONTROLLER AND LIGHT POLES TO BE REMOVED ONLY AFTER THE PROPOSED LIGHTING SYSTEM IS OPERATIONAL.
 - TEMPORARY AERIAL CABLE TO BE REMOVED ONLY AFTER THE PROPOSED LIGHTING SYSTEM IS OPERATIONAL.



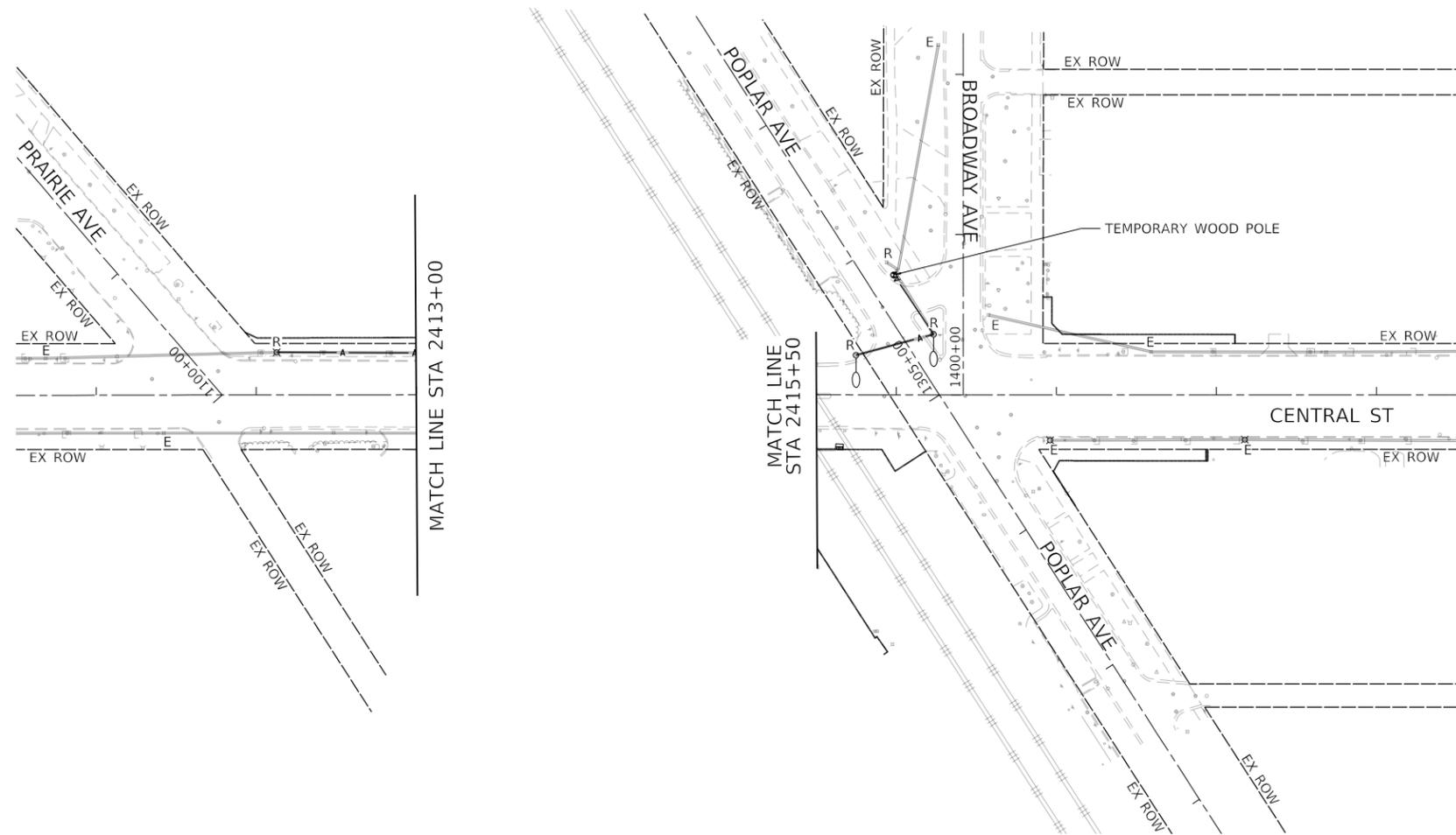
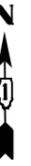
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PLOT DATE = 7/10/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GREEN BAY ROAD CORRIDOR IMPROVEMENTS
REMOVAL & TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. 1200+00.00 TO STA. 1230+00.00

F.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	154
CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	



NOTES

1. EXISTING LIGHTING CONTROLLER AND LIGHT POLES TO BE REMOVED ONLY AFTER THE PROPOSED LIGHTING SYSTEM IS OPERATIONAL.
2. TEMPORARY AERIAL CABLE TO BE REMOVED ONLY AFTER THE PROPOSED LIGHTING SYSTEM IS OPERATIONAL.

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 WARRENVILLE, IL 60550
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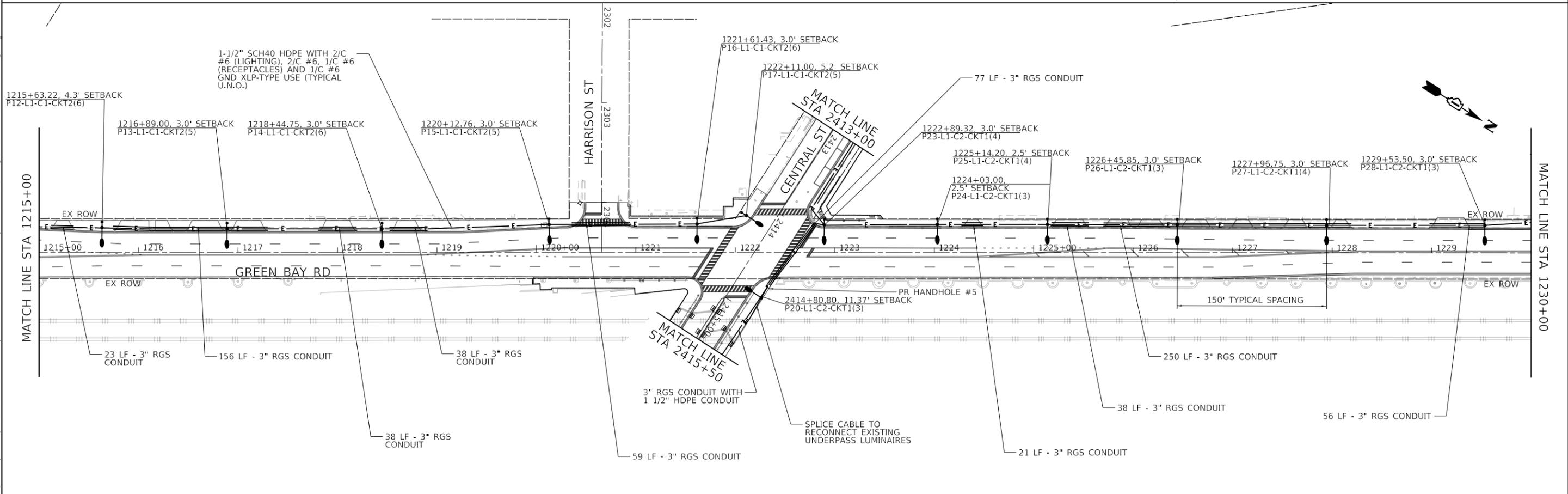
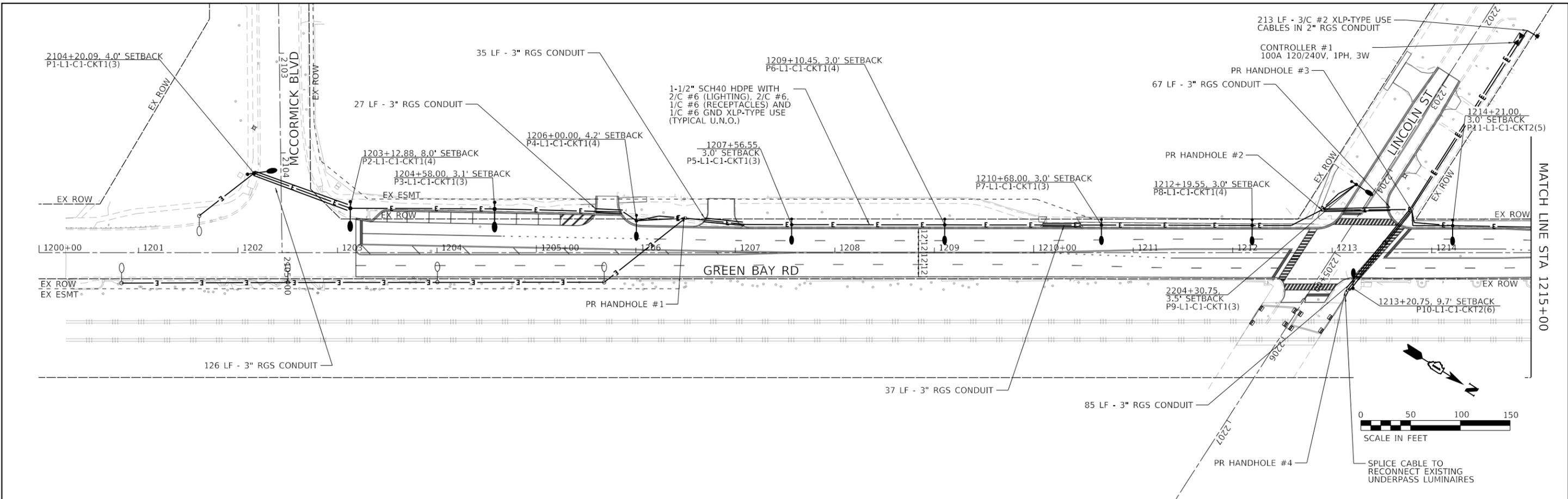
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	DRAWN - KKH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - AJD	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GREEN BAY ROAD CORRIDOR IMPROVEMENTS
 CENTRAL STREET REMOVAL & TEMPORARY LIGHTING PLAN**

SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 2409+00.00 TO STA. 2424+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	156
CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	



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 DATE: 7/10/2024



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PLOT SCALE = 100,0000' / in.	DRAWN - KKH	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

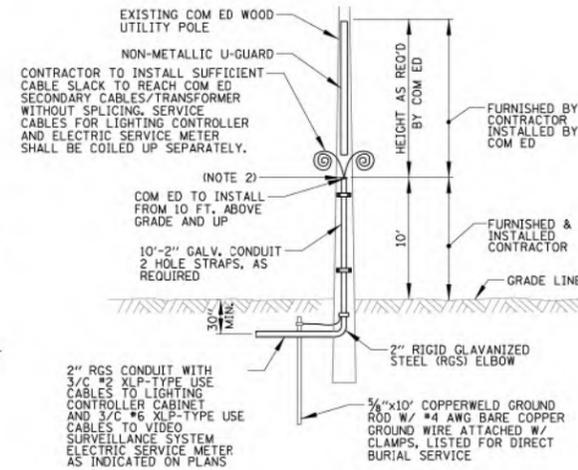
GREEN BAY ROAD CORRIDOR IMPROVEMENTS LIGHTING PLAN			
SCALE: 1" = 50'	SHEET 1	OF 3 SHEETS	STA. 1200+00.00 TO STA. 1230+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-RS	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 157
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

ITEM	SPECIFICATION
1 MAIN CIRCUIT BREAKER	100A, 2P, 240V SERVICE RATING, 10KAIC
2 CONTROL CIRCUIT BREAKER	15A, 1P, 120V RATING, 22KAIC
3 CABINET CIRCUIT BREAKER	20A, 1P, 120V RATING, 22KAIC
4 AUXILIARY RELAY	30A-120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS, PLUG IN TYPE
5 CABINET RECEPTACLE AND BOX	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM SINGLE GANG BOX WITH WEATHERPROOF COVER
6 DOOR SWITCH	20A/120V, DOOR MTD SNAP ACTION PLUNGER SWITCH
7 CABINET LIGHT	5 WATT LED STRIP LIGHT, 60K HOUR RATING, DOOR SWITCH CONTROLLED, FASTENED TO TOP OF CABINET
8 LIGHTING CONTACTOR	100 AMPERE, 2P, 120V COIL, MECHANICALLY HELD
9 HAND-AUTO-OFF CONTROL SWITCH	20A, 3 POS. MTD IN SINGLE GANG CAST ALUM. BOX
10 SURGE ARRESTOR	10 K AMPERE RATING
11 POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQ'D, 10KAIC
12 SERVICE CABLES	3-600V (XLP-TYPE USE) NO. #2 AWG
13 CABINET/CONTROL WIRE	2-600V MTW NO. 12, MARKED W/ BRADY MARKERS
14 PHOTOCELL TERMINAL BLOCK	3 TERMINAL, SCREW TYPE, #14-#10 WIRE SIZE
15 PHOTOELECTRIC CONTROL WIRE	3-600V MTW NO. 10, MARKED W/ BRADY MARKERS
16 PHOTOCELL	120V, MTD ON CABINET, DELAY TYPE, SPST-NC
17 GROUND & NEUTRAL COPPER BUS	NEUTRAL BUS-MIN 16 TERMINATIONS (#10-#10) & GROUND BUS-MIN 16 TERMINATIONS (#10-#10), BUSES SHALL BE HORIZ & LOCATED AT THE BASE OF CABINET
18 PANELBOARD	120/240V, 1Ø, 3W, 100A MAIN LUGS ONLY, 18 SPACE, 22 KAIC, 20" WIDE x 36" HIGH NEMA 1 ENCLOSURE (SEE PANELBOARD SCHEDULE)
19 METER FITTING	100A, 1Ø, 3W, 4 TERMINAL, RINGLESS, CECHA APPROVED

NOTES:

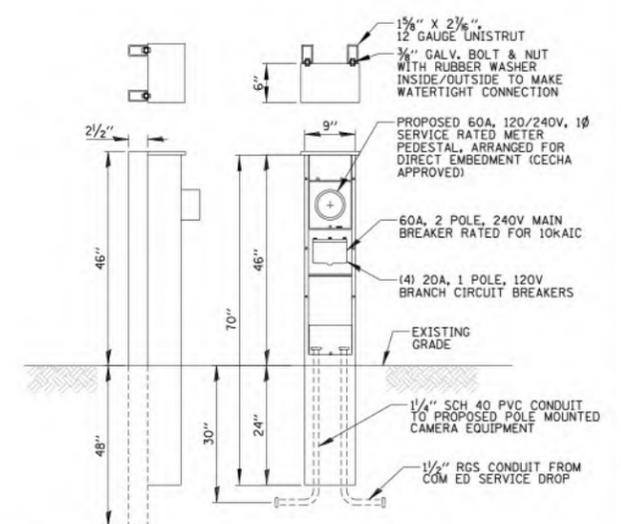
1. THE MAIN DISTRIBUTION CABINET TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
2. CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED."
3. ALL EQUIPMENT SHALL BE MOUNTED ON A 1/2" THICK ARBORON TIRE BACK PANEL.
4. ALL MAIN CIRCUIT BREAKERS SHALL BE LABELED "SERVICE DISCONNECT."
5. ALL WIRES IN CABINET SHALL BE LABELED AT EACH END WITH BRADY TYPE MARKERS.
6. ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAMEPLATES.
7. THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
8. ALL EXPOSED BUS BARS SHALL BE INSULATED.
9. ALL WIRING SHALL BE COPPER.



NOTES:

1. ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE."
2. CONTRACTOR SHALL PROVIDE CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.
3. ALL MATERIAL ABOVE (EXCEPT FOR POLE) SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC SERVICE INSTALLATION". THE HORIZONTAL SERVICE CONDUIT AND WIRING FROM POLE TO CONTROLLER SHALL BE PAID FOR SEPARATELY.

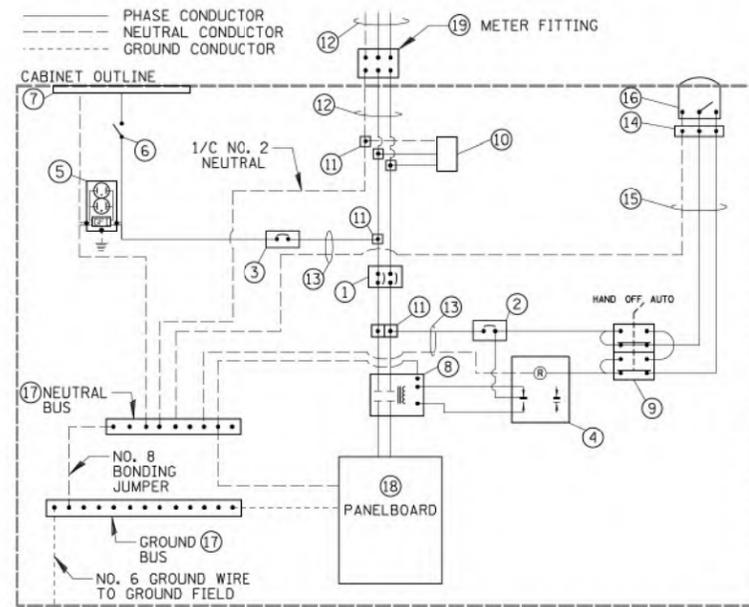
**CITY OF EVANSTON
ELECTRIC SERVICE INSTALLATION DETAIL
N.T.S.**



NOTES:

1. ALL CIRCUIT BREAKERS SHALL HAVE LOCKABLE COVERS.
2. THE SERVICE METER PEDESTAL, GROUND ROD/WIRING AND UNISTRUT SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC METER." CONDUIT AND WIRING FROM THE METER PEDESTAL TO THE LIGHT POLE AND SERVICE DROP SHALL BE PAID FOR SEPARATELY.

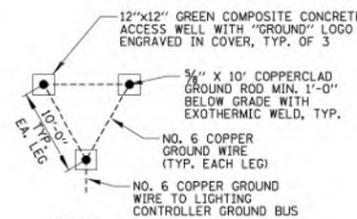
**CITY OF EVANSTON
ELECTRIC SERVICE METER PEDESTAL DETAIL
N.T.S.**



NOTES:

1. ALL GROUND CONDUCTORS SHALL BE GREEN AND NEUTRAL CONDUCTORS SHALL BE WHITE. PHASE CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH SECTION 1066.02 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL ONLY USE SOLID COLOR CODED INSULATIONS. COLOR STRIPPING OF PHASE CONDUCTORS SHALL NOT BE ALLOWED.
2. ALL BRANCH CIRCUIT NEUTRAL AND GROUND WIRES SHALL TERMINATE ON EXTERNAL BUSES (NOT IN PANELBOARD).
3. THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
4. IN ADDITION TO THE TERMINATIONS SHOWN, THE NEUTRAL AND GROUND BUS BARS SHALL ACCOMMODATE 10 ADDITIONAL TERMINATIONS (#2-#14).

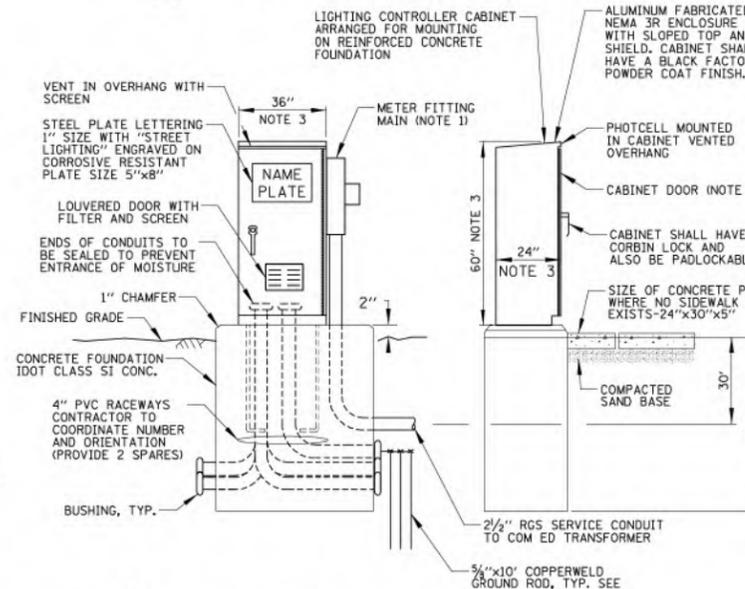
**CITY OF EVANSTON
LIGHTING CONTROLLER
WIRING DETAIL AND COMPONENT SCHEDULE
N.T.S.**



NOTES:

1. ACCESS WELLS SHALL BE INCLUDED IN THE LIGHTING CONTROLLER PAY ITEM.

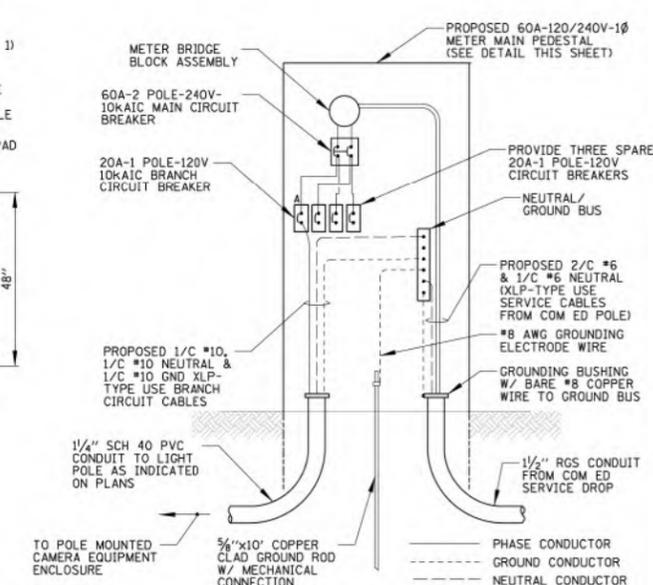
**CITY OF EVANSTON
GROUND FIELD DETAIL
N.T.S.**



NOTES:

1. ELECTRIC UTILITY METER SHALL BE CECHA APPROVED.
2. ALL ITEMS SHOWN ABOVE (INCLUDING FOUNDATION, ELECTRIC METER & GROUND FIELD) SHALL BE INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER, BASE MOUNTED, 240V, 100 AMP", EXCEPT FOR THE SERVICE CONDUIT/WIRE WHICH WILL BE PAID FOR SEPARATELY.
3. CABINET DIMENSIONS SHOWN ARE APPROXIMATE, CABINET SHALL BE AS COMPACT AS POSSIBLE, CONTRACTOR TO COORDINATE.

**CITY OF EVANSTON
LIGHTING CONTROLLER CABINET AND FOUNDATION
N.T.S.**



**CITY OF EVANSTON
ELECTRIC SERVICE METER WIRING DIAGRAM
N.T.S.**

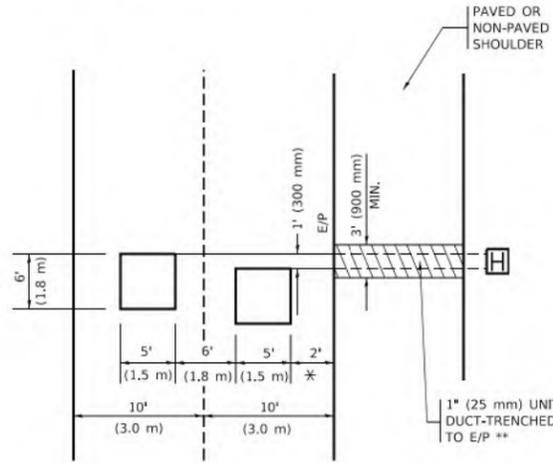
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USER NAME = JoelTurk	DESIGNED -	REVISED -
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	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	165
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



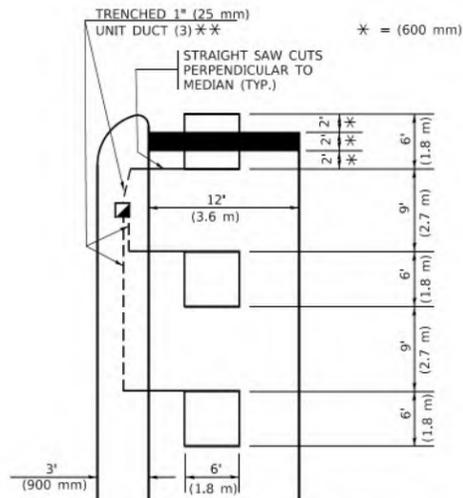
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



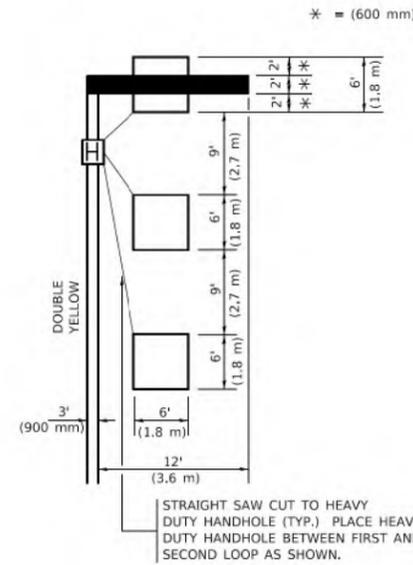
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DIMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

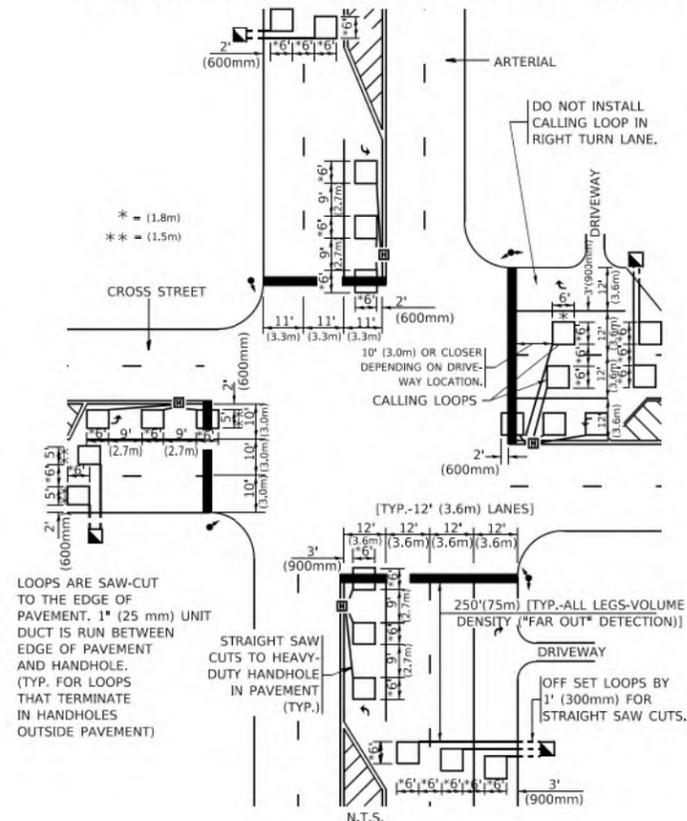
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



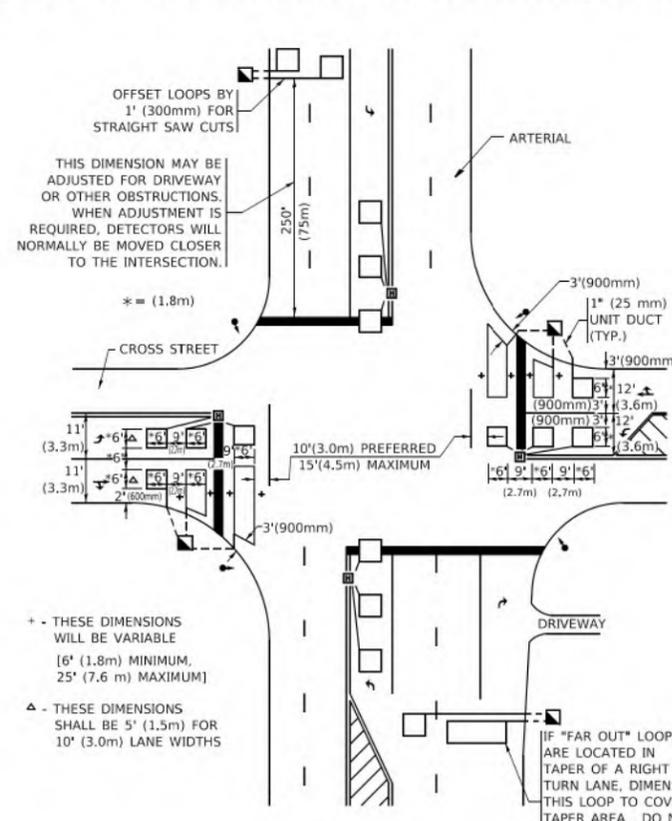
* = (1.8m)
** = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



OFFSET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS

THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

Δ THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2
N.T.S.

Kimley-Horn

USER NAME = footem
DESIGNED -
DRAWN -
PLOT SCALE = 50,0000 1/1
PLOT DATE = 3/4/2019

REVISIONS
REVISOR
REVISION
REVISOR
REVISION
REVISOR

DESIGNED -
DRAWN -
CHECKED - R.K.F.
DATE -

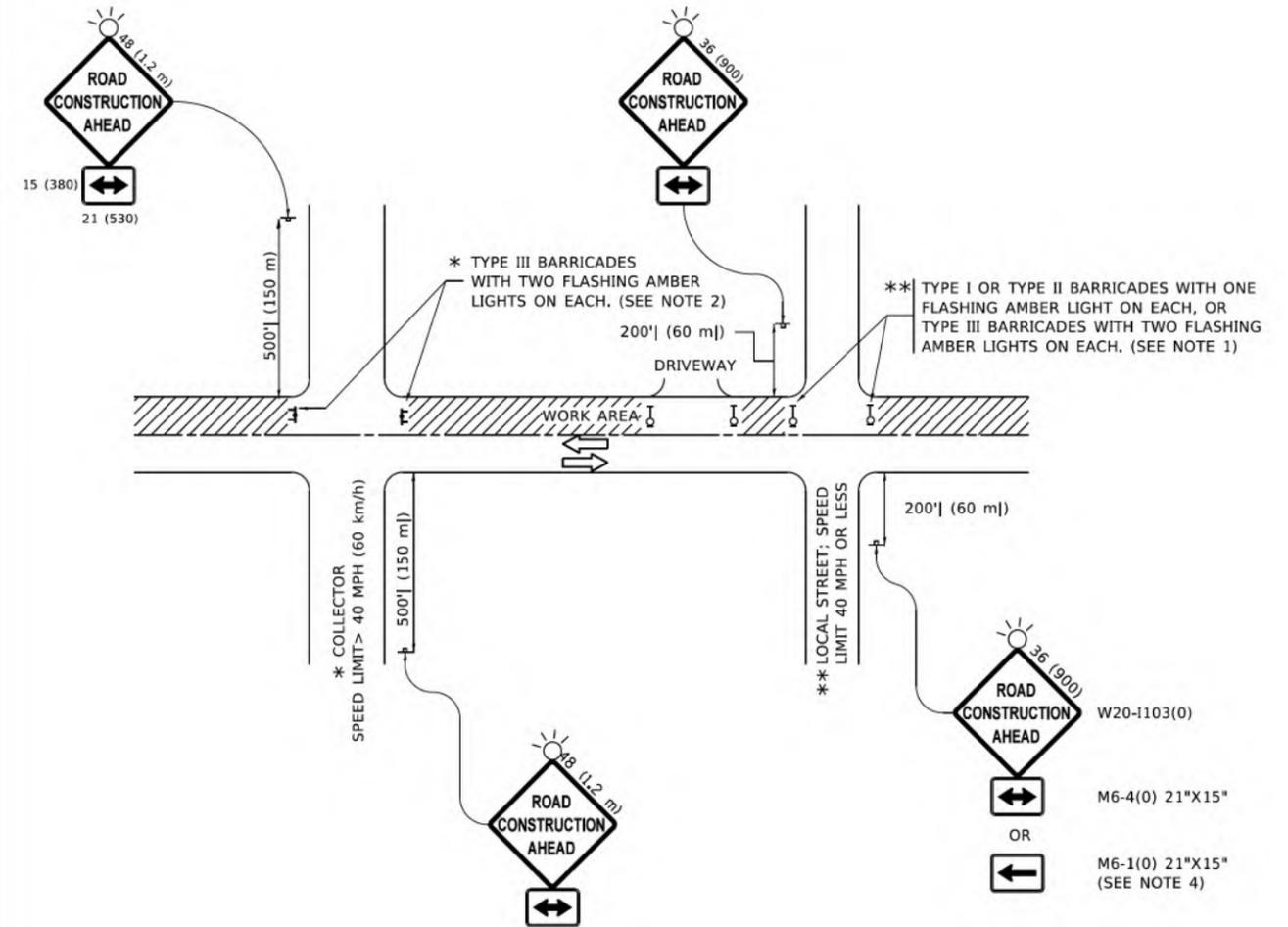
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	168
TS-07		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

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NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-471-6600
 WWW.KIMLEY-HORN.COM



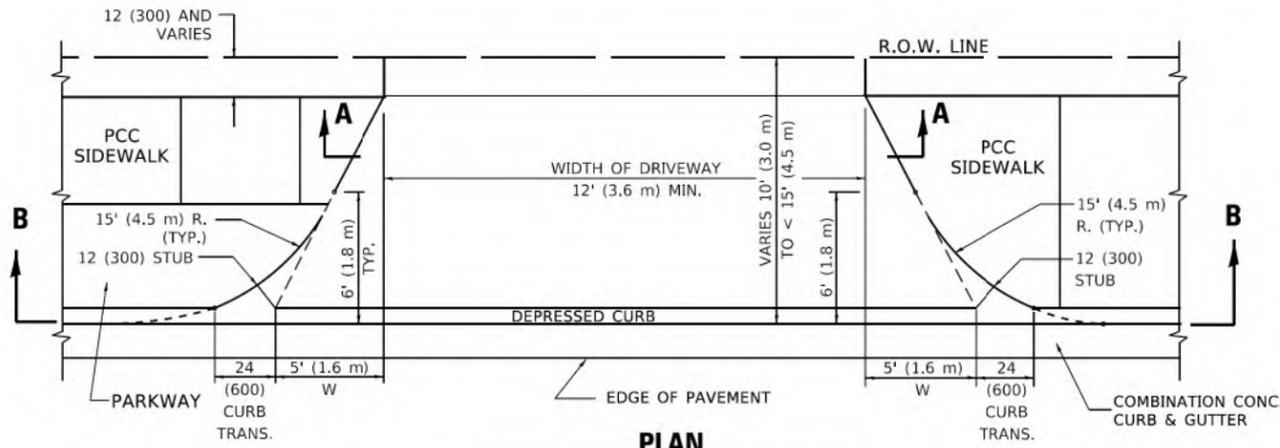
USER NAME = Lawrence,DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDRAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

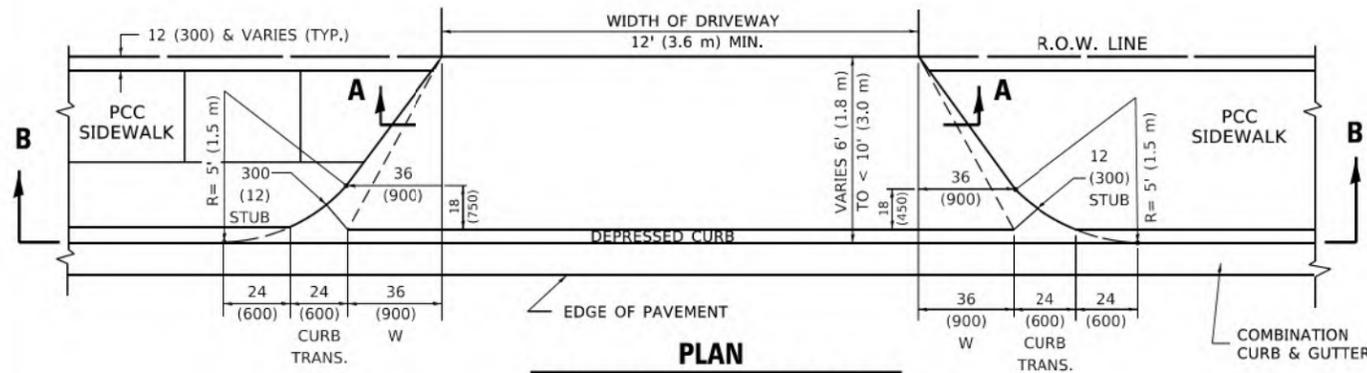
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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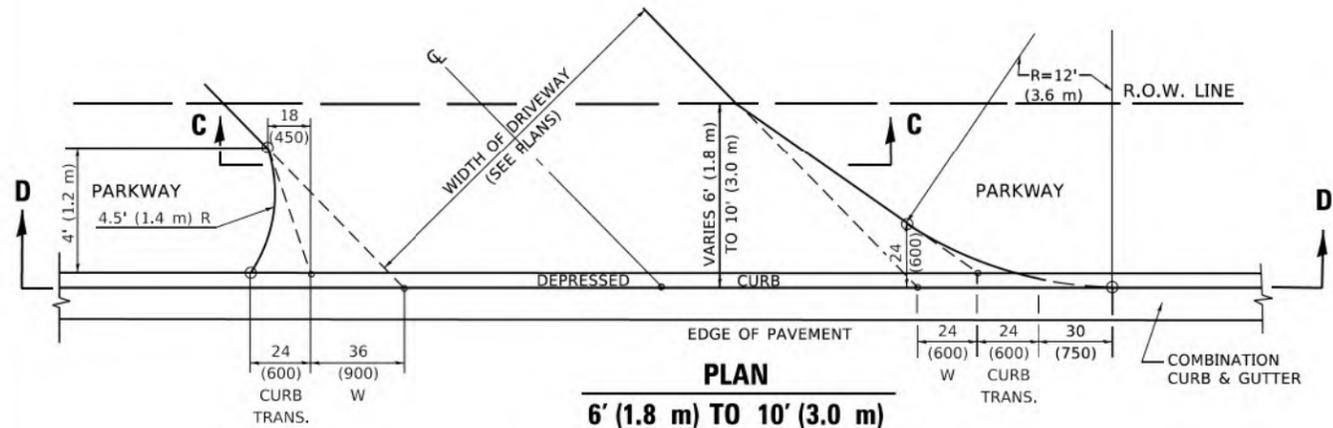
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61K60	
ILLINOIS FED. AID PROJECT				



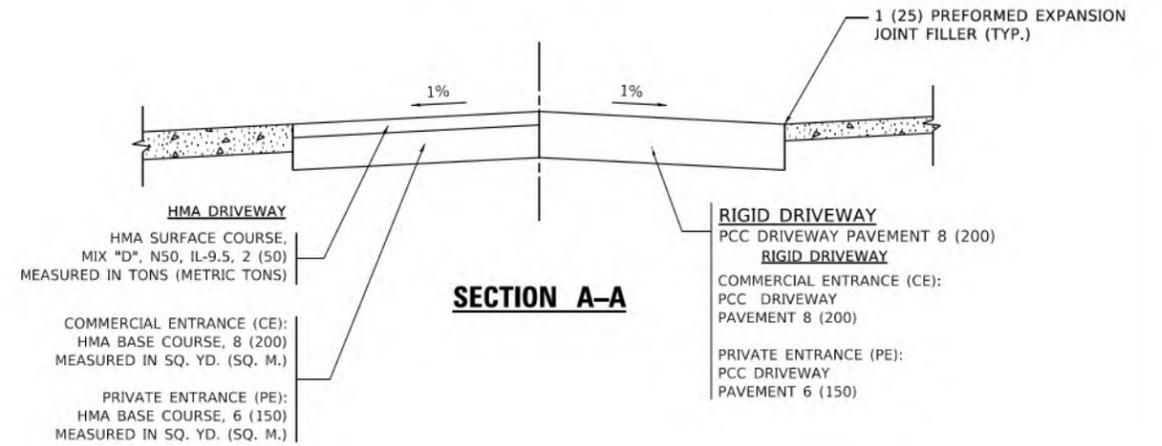
PLAN
10' (3.0 m) TO < 15' (4.5 m)



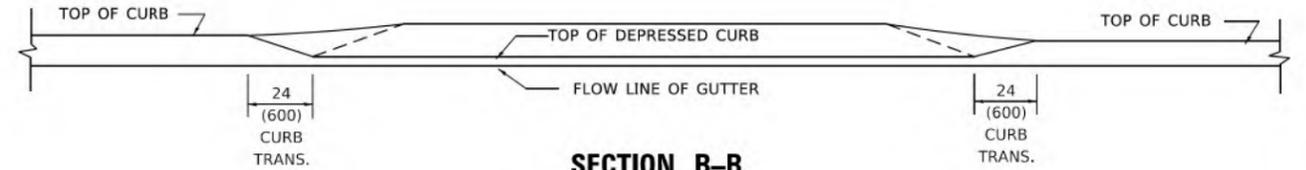
PLAN
6' (1.8 m) TO < 10' (3.0 m)



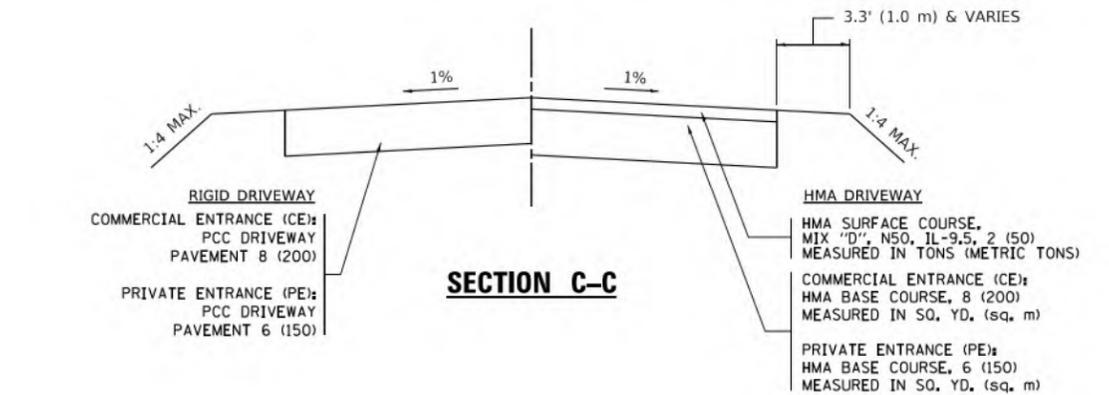
PLAN
6' (1.8 m) TO 10' (3.0 m)



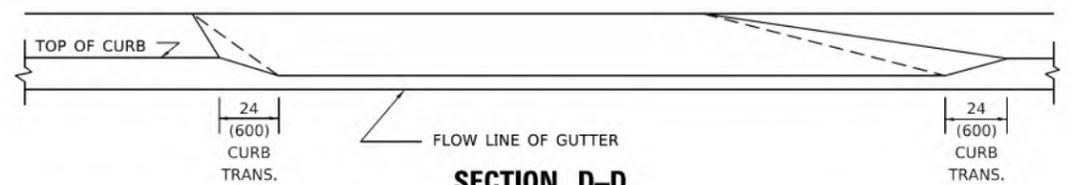
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

Kimley-Horn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100,0000' / 1"	CHECKED -	REVISED - K. SMITH 08-27-19
PLOT DATE = 2/2/2022	DATE - 11-06-95	REVISED - K. SMITH 02-01-22

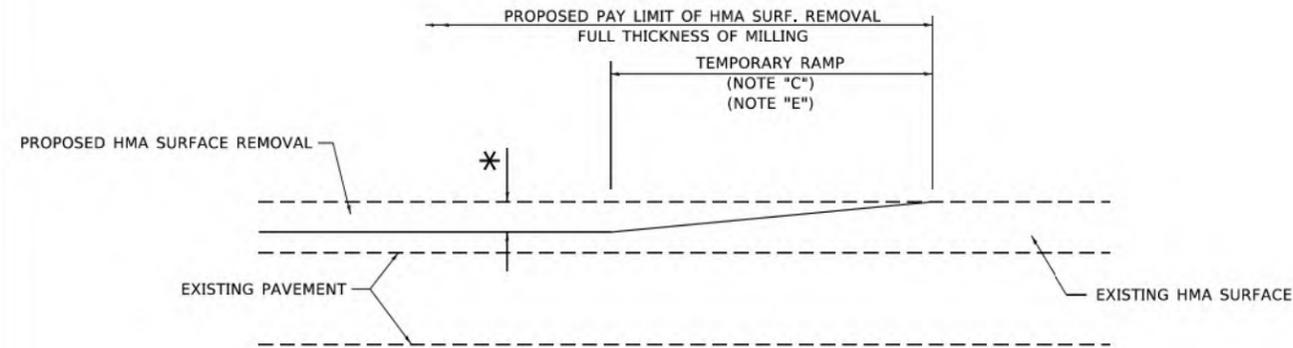
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)**

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

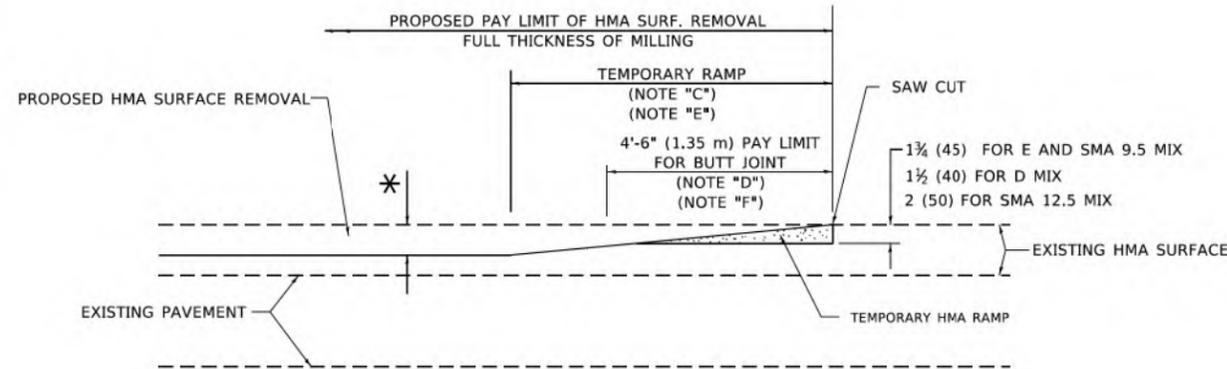
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2744	19-00285-00-R5	COOK	191	173
BD400-02 (BD-02)		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

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MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

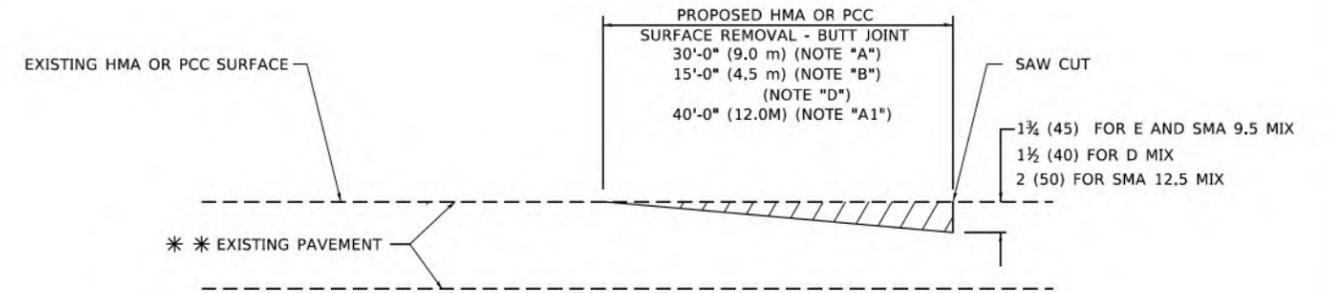
OPTION 1



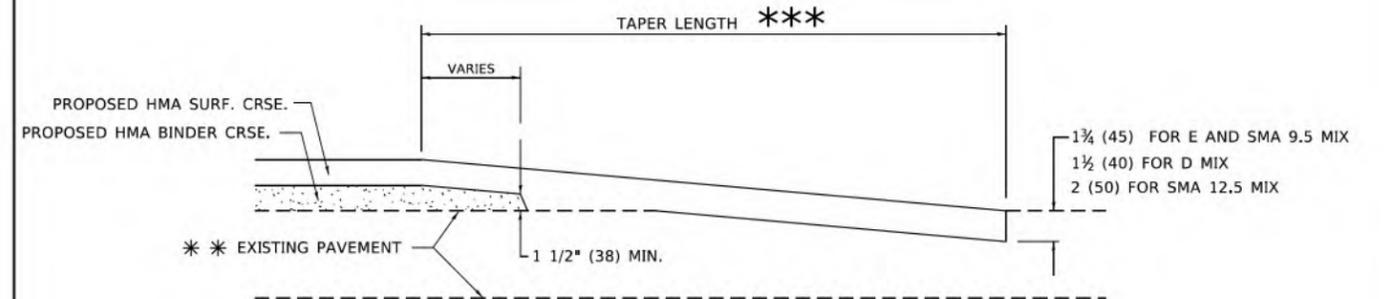
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



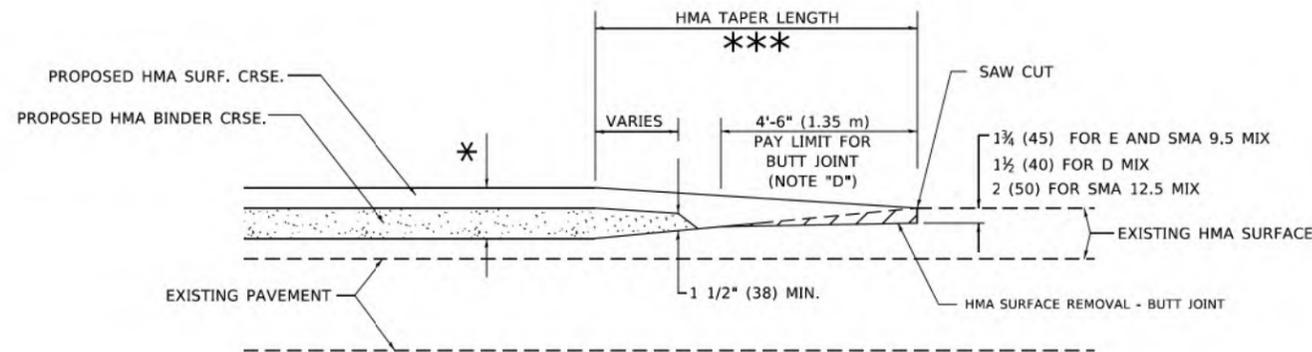
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default FILE: \\mhc\p\pub\pub\hntbv\com\shp\p\01\Documents\01_Active Projects\MM\CHS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Draw_Sheets\168112005-act\DOT-det-09_KIA.dgn



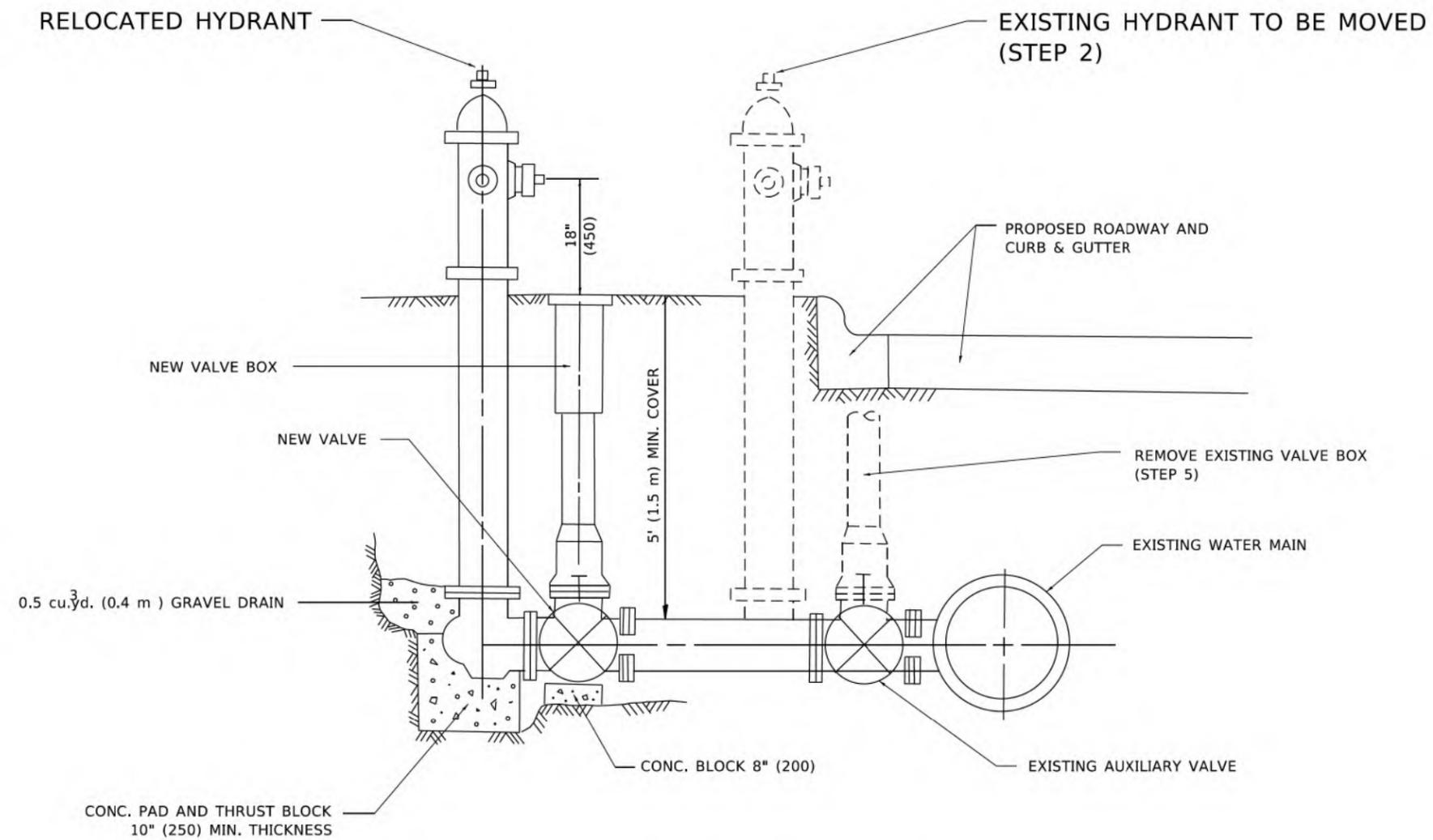
USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	175
BD400-05 BD-32		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default
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 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM

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USER NAME = demanchelt	DESIGNED -	REVISED - R. SHAH 09-09-94
	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100,0000' / 1" =	CHECKED -	REVISED - K. SMITH 02-01-22
PLOT DATE = 2/2/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIRE HYDRANT TO BE MOVED

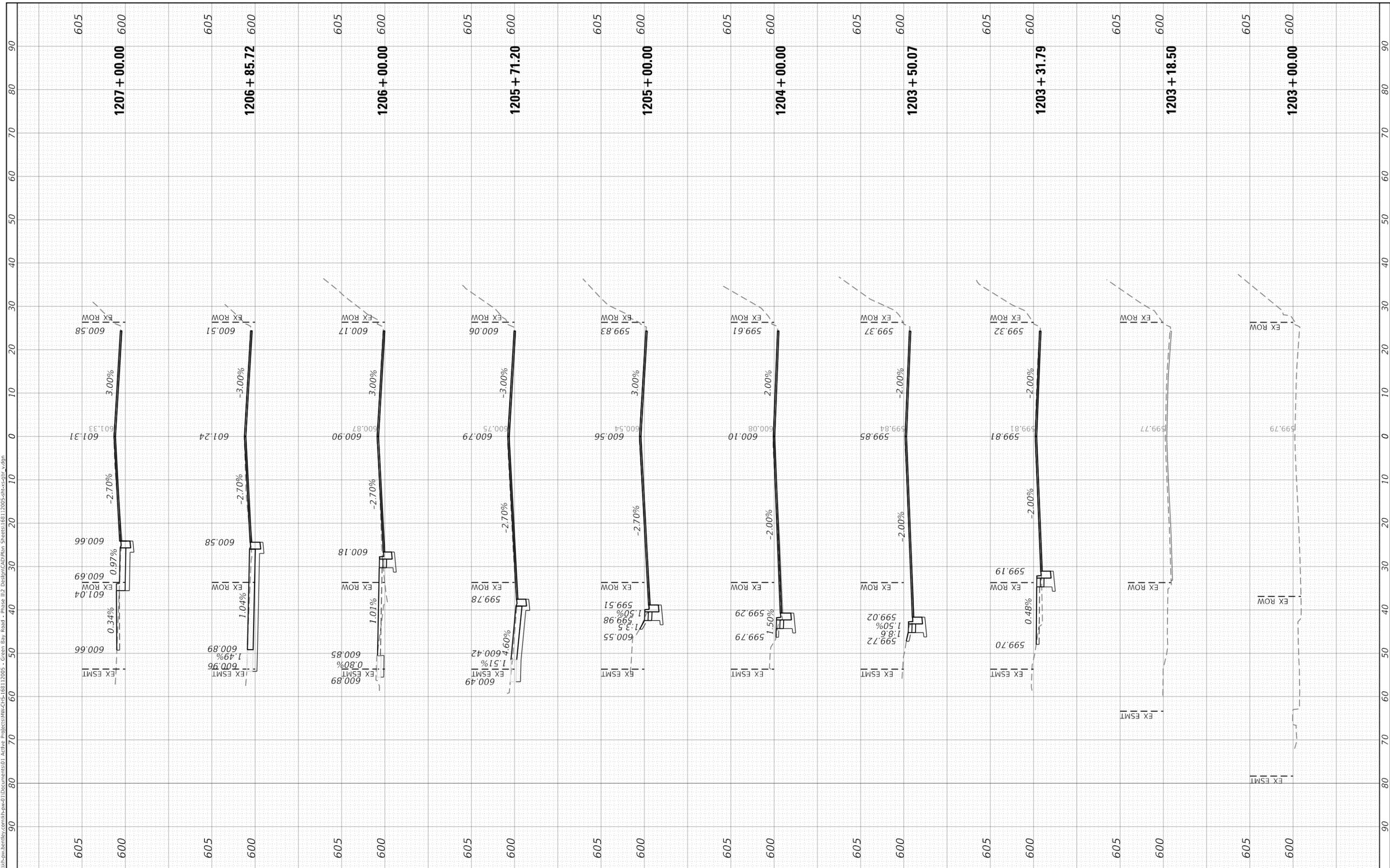
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	176
BD-36		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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USER NAME = Mkelly
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 6/10/2024

DESIGNED - MK
 DRAWN - MK
 CHECKED - RB
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GREEN BAY ROAD**

SCALE: 1" = 10' (H) 1" = 5' (V) SHEET 1 OF 10 SHEETS STA. 1203+00.00 TO STA. 1207+00.00

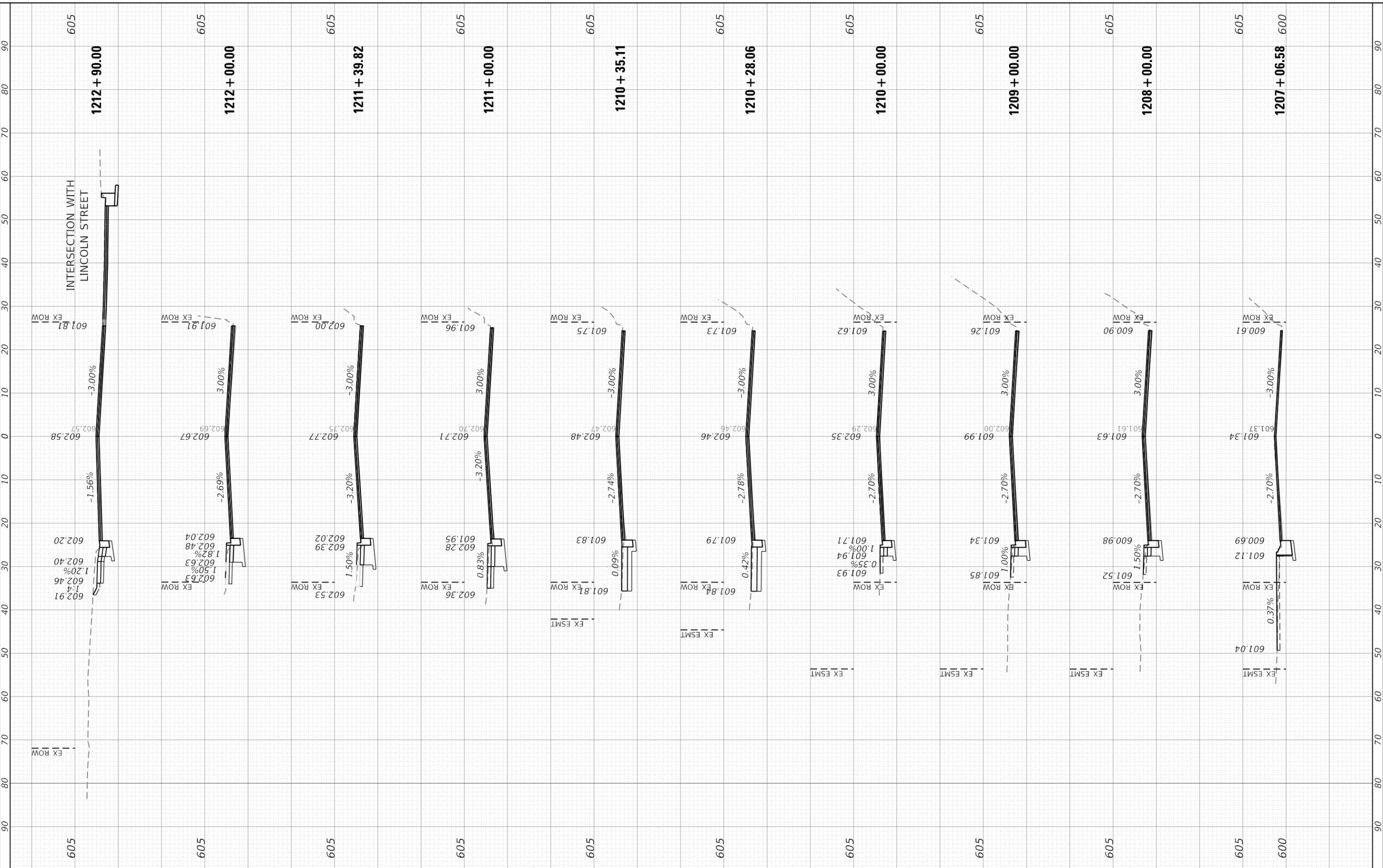
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2744	19-00285-00-R5	COOK	191	177
CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT

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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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PLOT SCALE =	20.0000' / in.
PLOT DATE =	6/10/2024

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CHECKED -	RB
DATE -	

REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

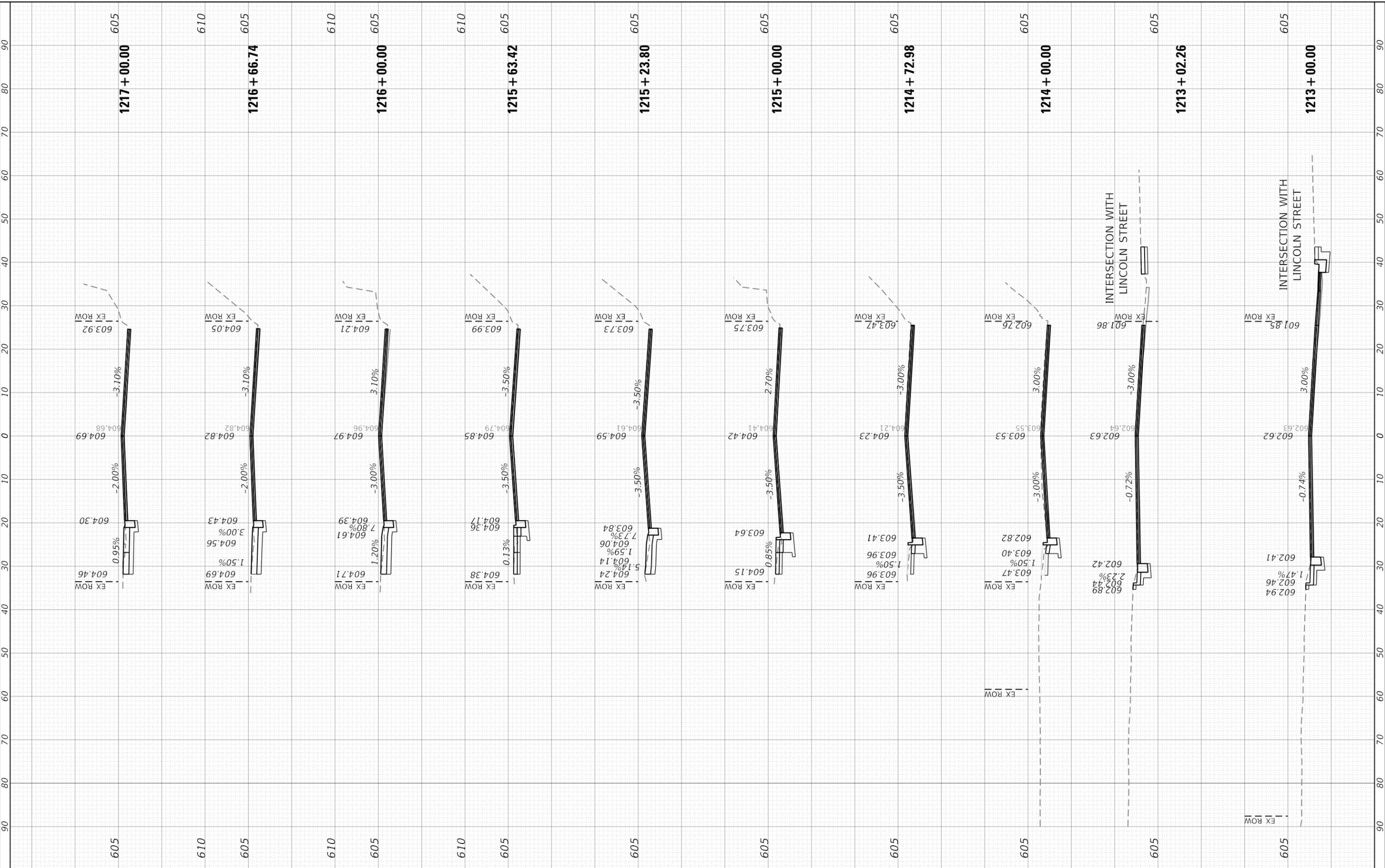
CROSS SECTIONS GREEN BAY ROAD	
SCALE: 1" = 10' (H) 1" = 5' (V)	SHEET 2 OF 10 SHEETS
STA. 1207+06.58	TO STA. 1212+90.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 178
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61K60

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NO.	PLOTTED		
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
GREEN BAY ROAD**

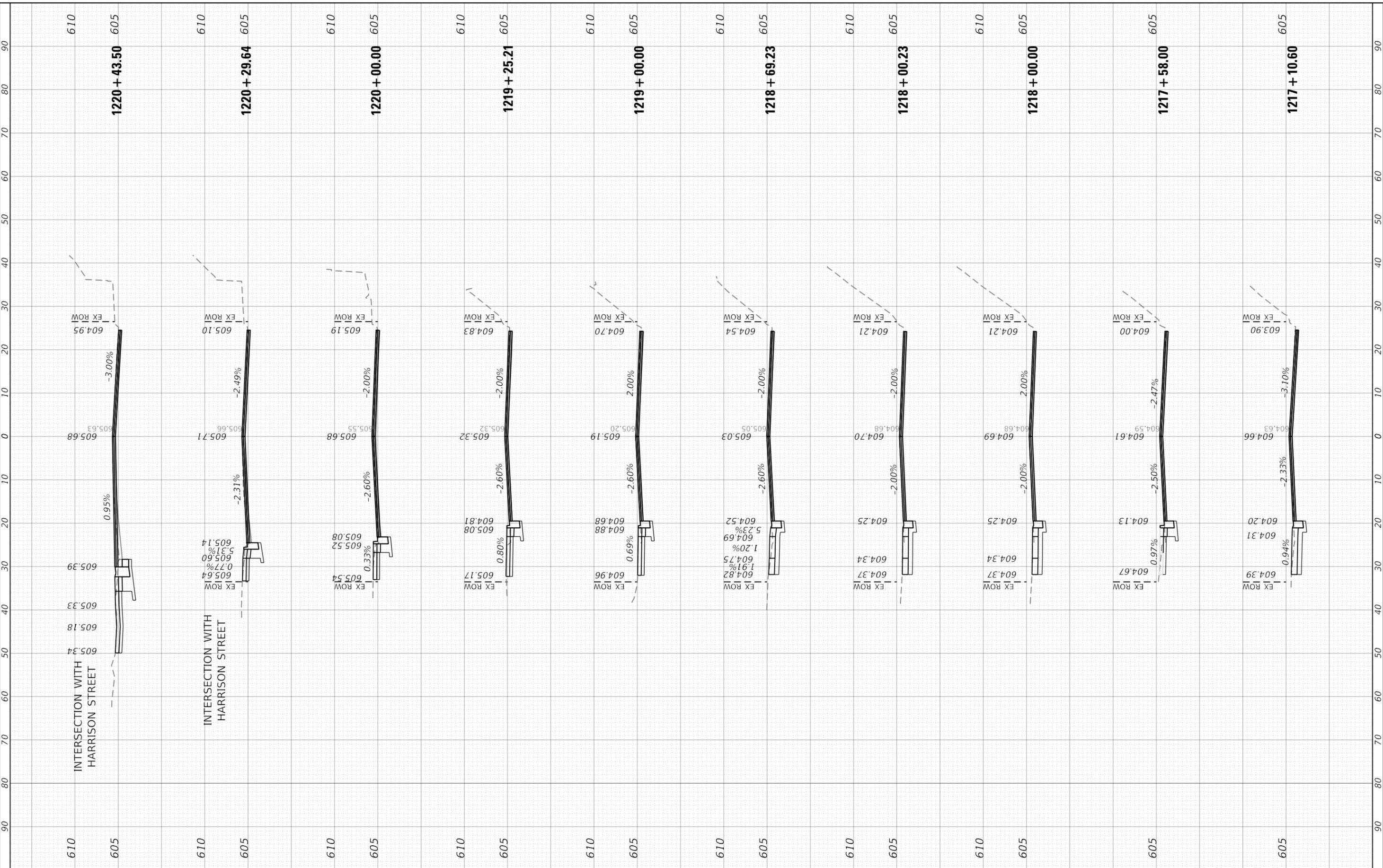
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F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 179
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
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	NOTE BOOK		
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DESIGNED - MK
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DATE -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
GREEN BAY ROAD**

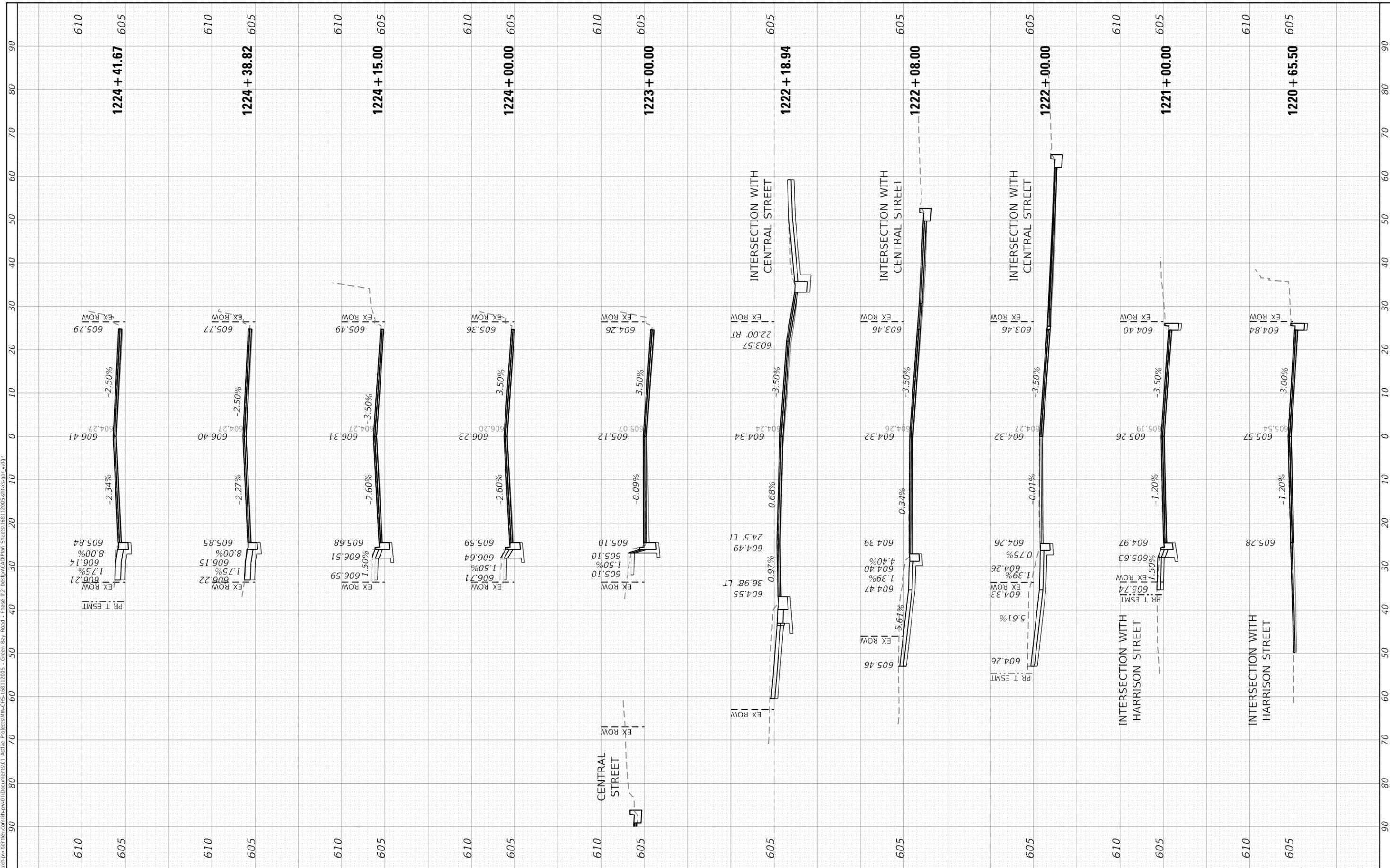
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F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 180
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE
NOTE BOOK	PLOTTED TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE
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USER NAME = Mkelly
PLOT SCALE = 20.0000" / 1'
PLOT DATE = 6/10/2024

DESIGNED - MK
DRAWN - MK
CHECKED - RB
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GREEN BAY ROAD**

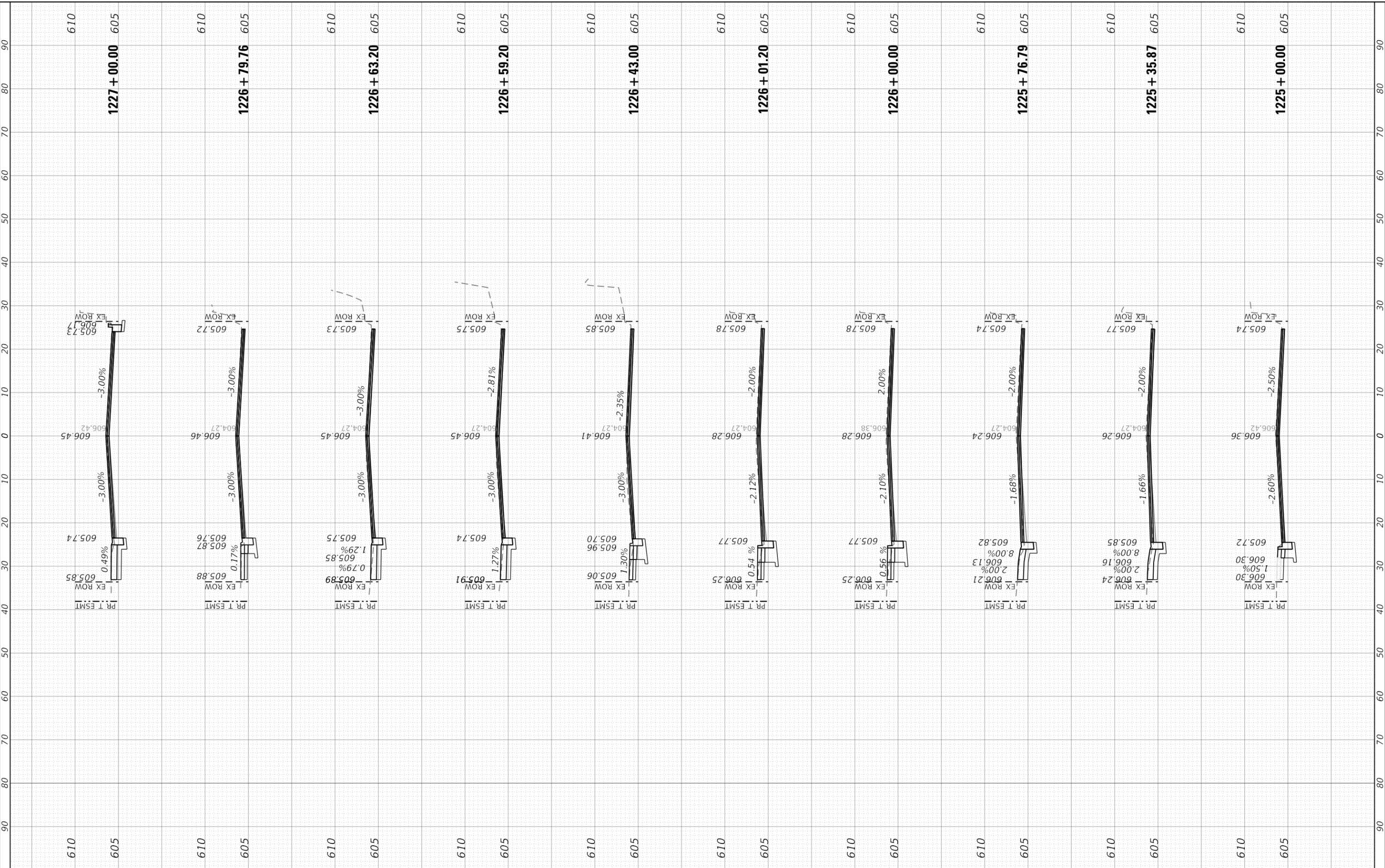
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F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 181
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
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 PLOT DATE = 6/10/2024

DESIGNED - MK
 DRAWN - MK
 CHECKED - RB
 DATE -

REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 GREEN BAY ROAD

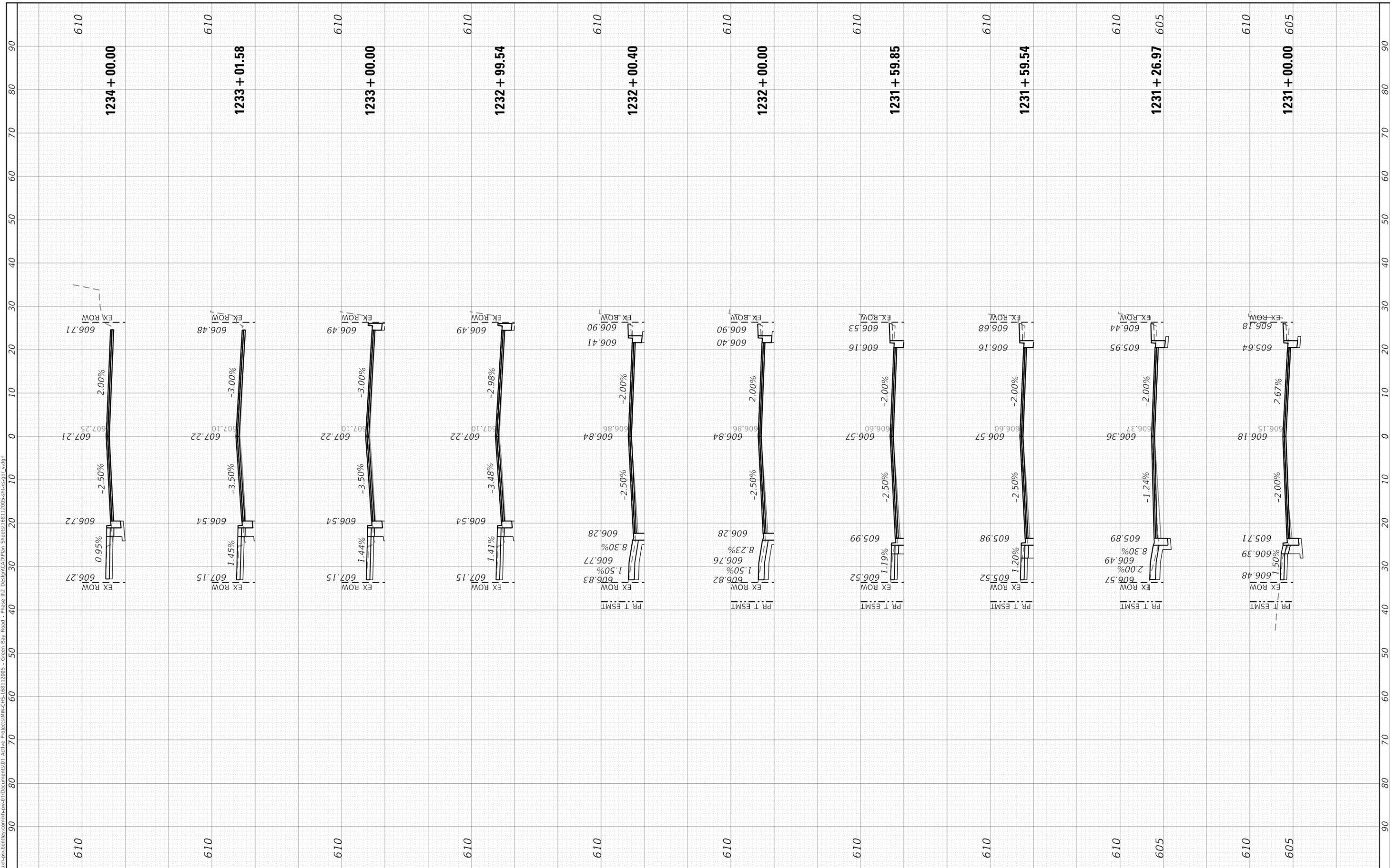
SCALE: 1" = 10' (H) / 1" = 50' (V) SHEET 6 OF 10 SHEETS STA. 1225+00.00 TO STA. 1227+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	182
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GREEN BAY ROAD**

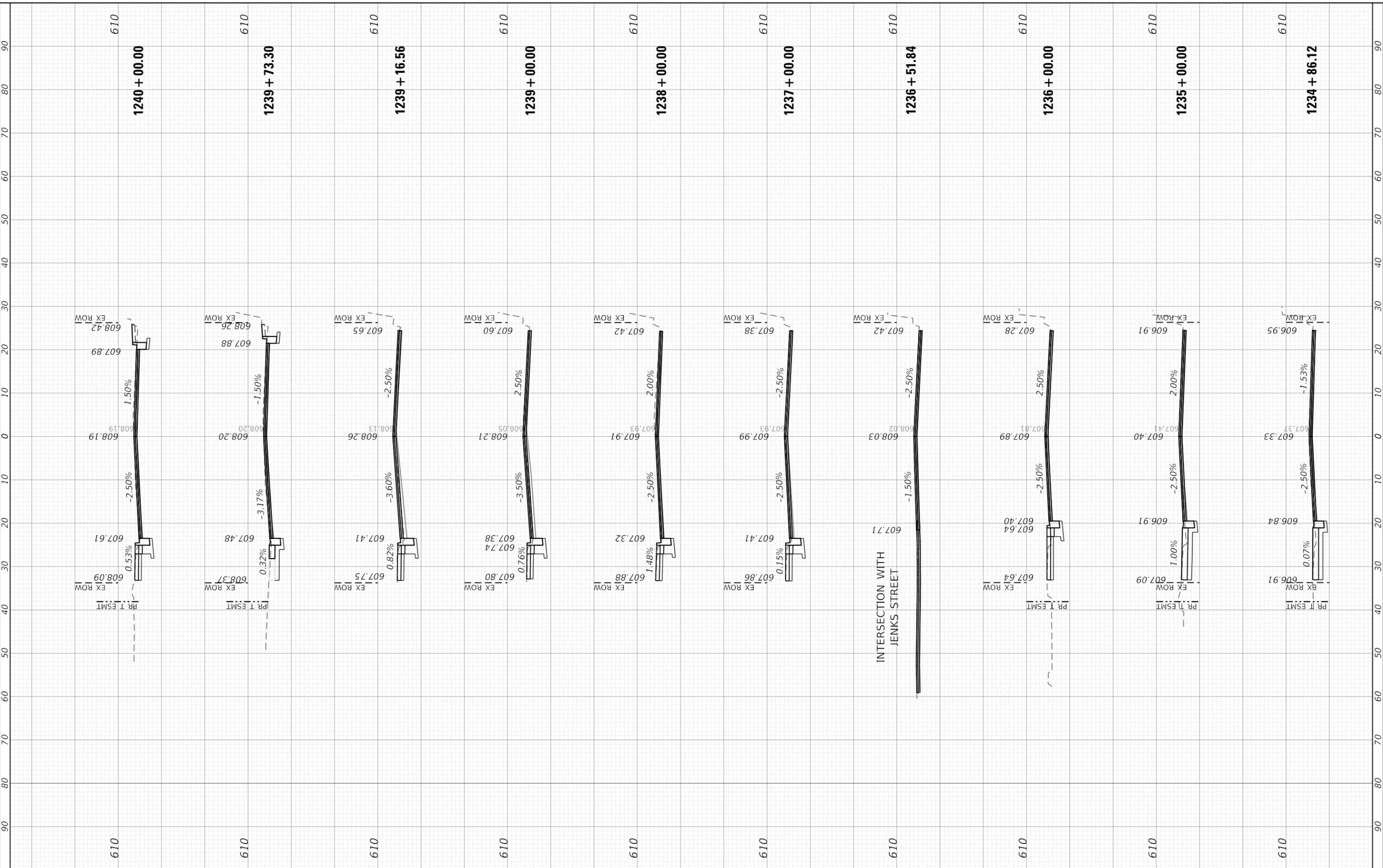
SCALE: 1" = 10' (H) 1" = 50' (V) SHEET 8 OF 10 SHEETS STA. 1231+00.00 TO STA. 1234+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 184
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE
NOTE BOOK	PLOTTED TEMPLATE		
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NOTE BOOK	PLOTTED TEMPLATE		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GREEN BAY ROAD**

SCALE: 1" = 10' (H) 1" = 5' (V) SHEET 9 OF 10 SHEETS STA. 1230+00.9200 TO STA. 1240+00.00

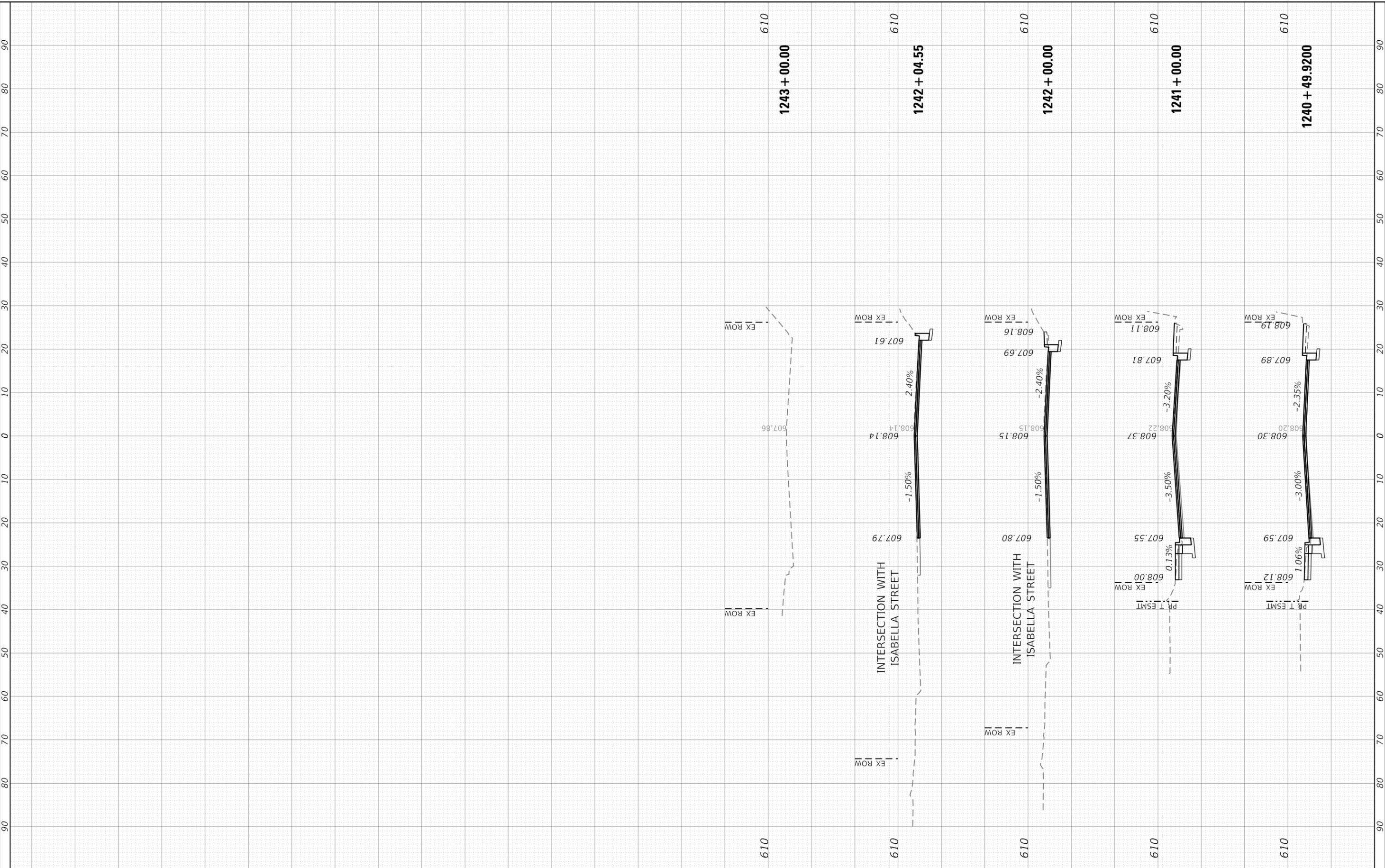
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CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT

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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GREEN BAY ROAD**

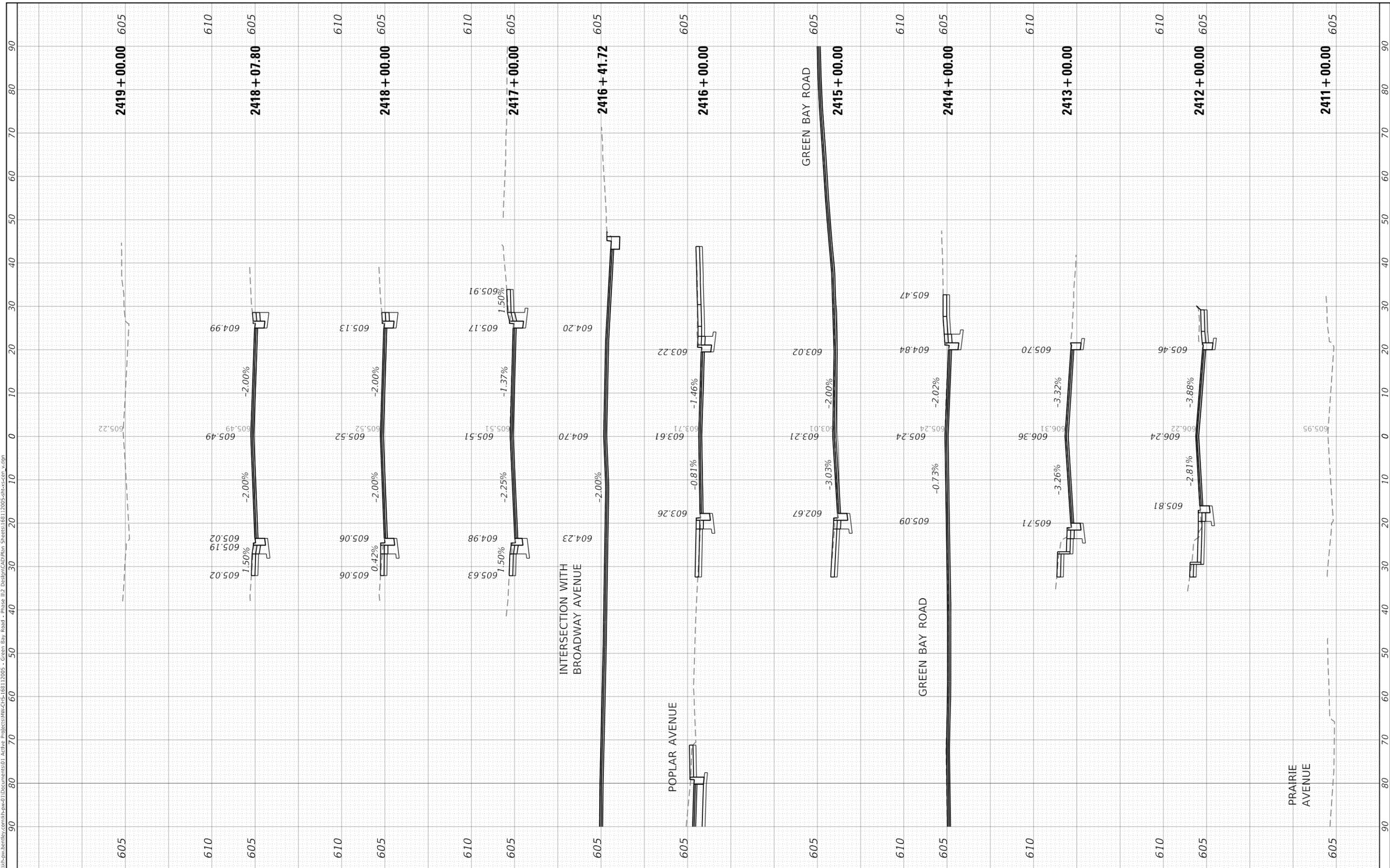
SCALE: 1" = 10' (H) 1" = 50' (V) SHEET 10 OF 10 SHEETS STA. 1240+49.92 TO STA. 1243+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 186
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CENTRAL STREET**

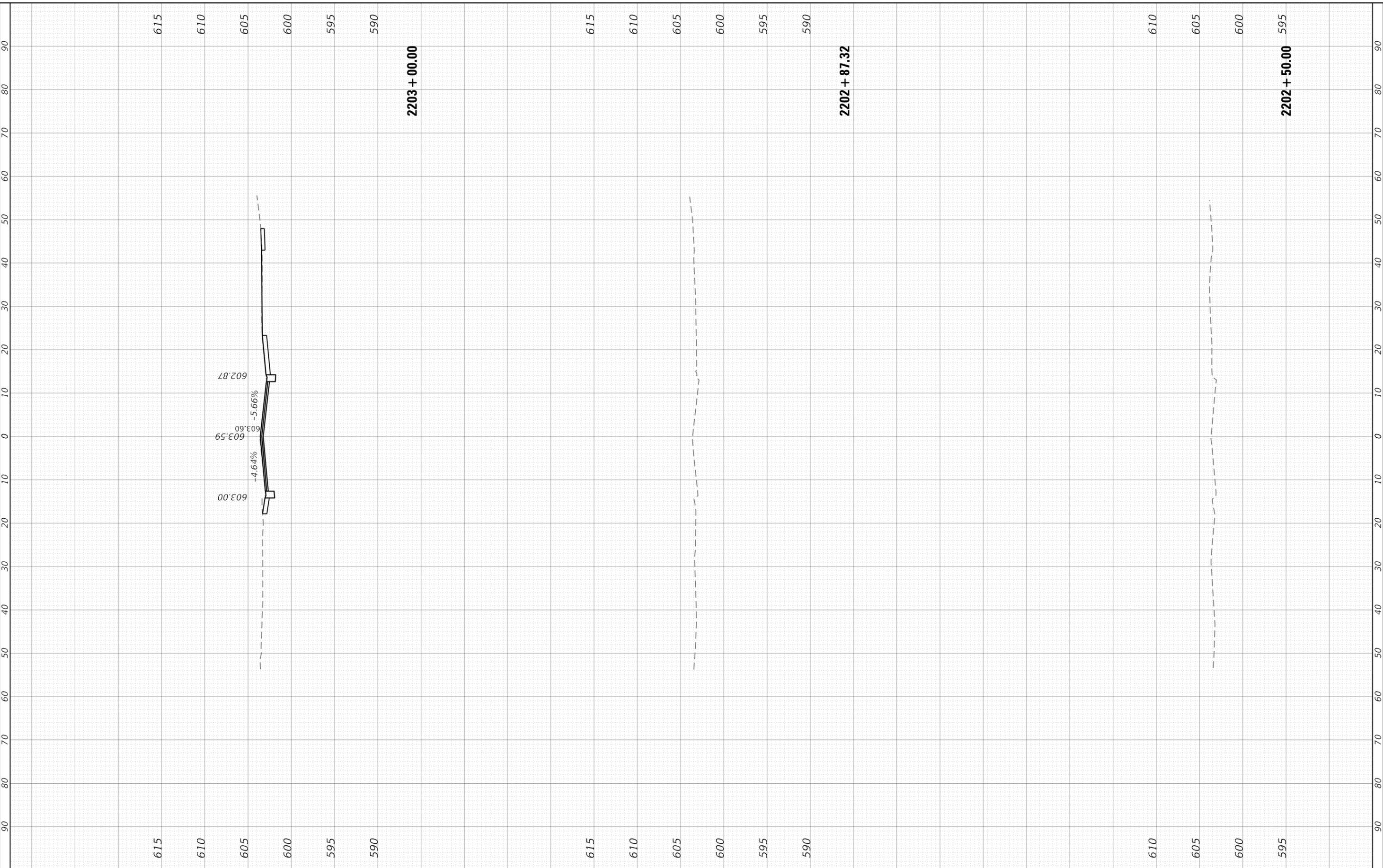
SCALE: 1" = 10' (H) / 1" = 50' (V) SHEET 1 OF 1 SHEETS STA. 2411+00.00 TO STA. 2419+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 187
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE
NOTE BOOK	PLOTTED TEMPLATE		
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NOTE BOOK	PLOTTED TEMPLATE		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 LINCOLN STREET**

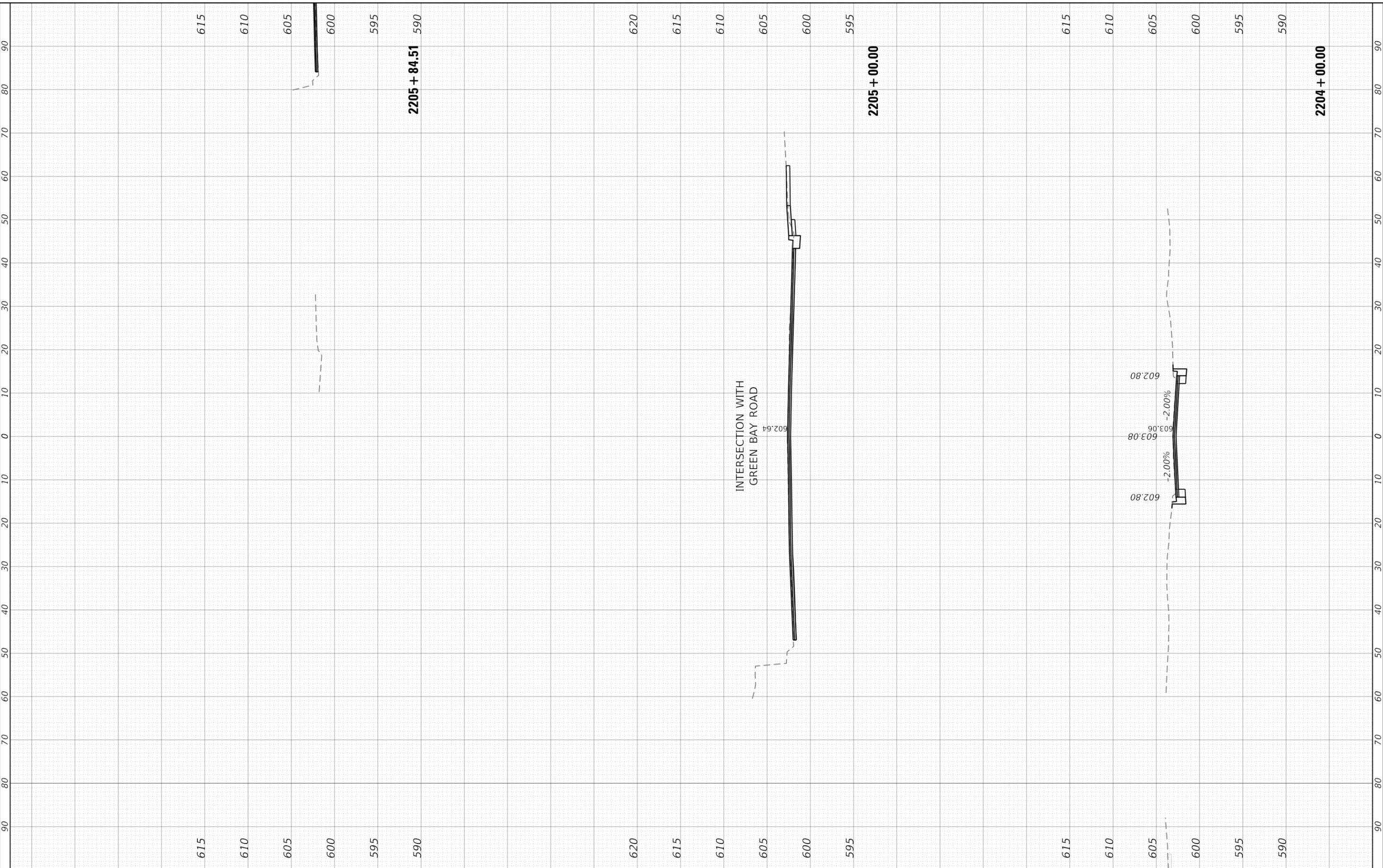
SCALE: 1" = 10' (H)
 1" = 5' (V) SHEET 1 OF 2 SHEETS STA. 2202+50.00 TO STA. 2203+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 188
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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PLOT DATE = 6/10/2024

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 LINCOLN STREET**

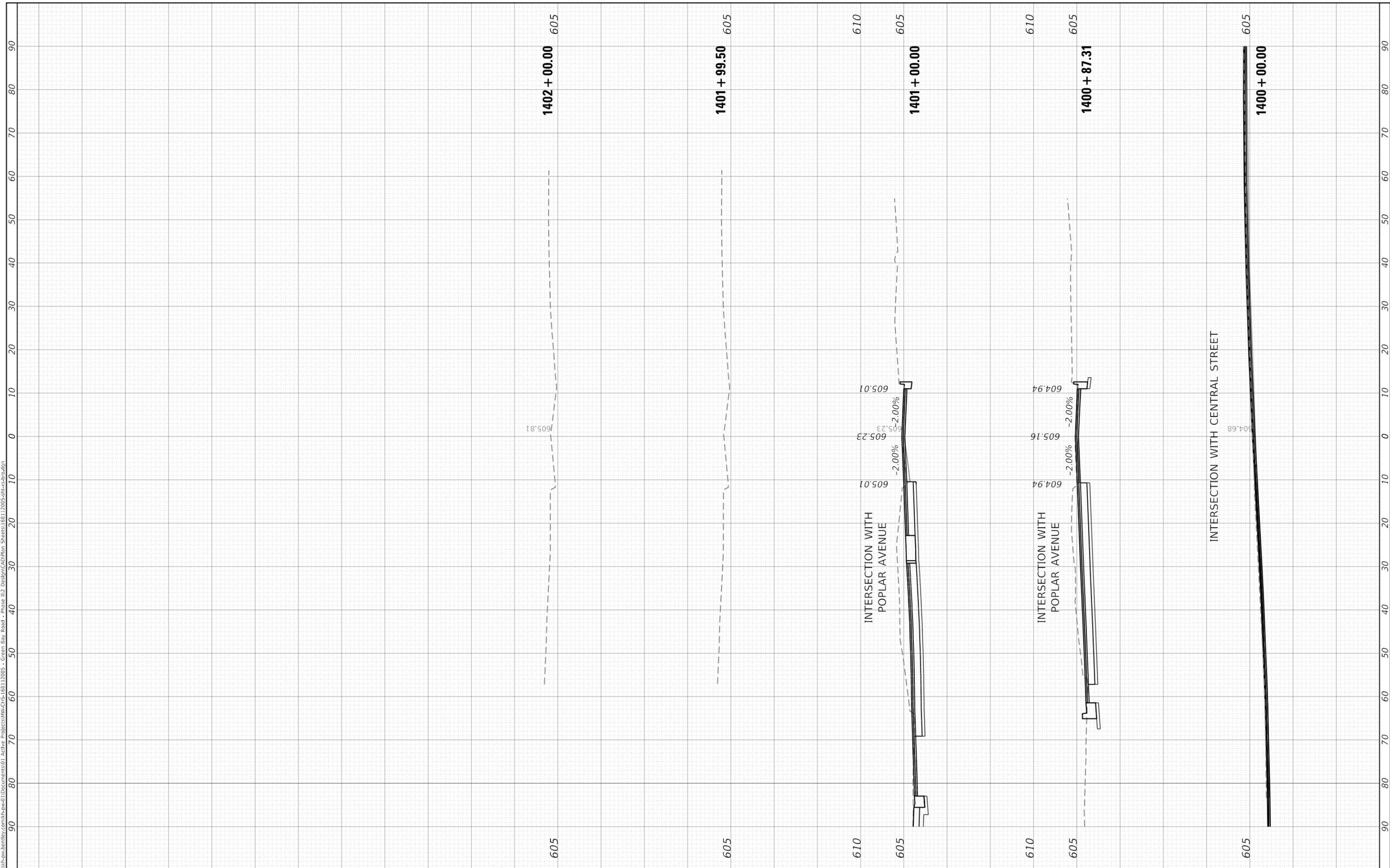
SCALE: 1" = 10' (H) 5" (V) SHEET 2 OF 2 SHEETS STA. 2204+00.00 TO STA. 2205+84.51

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 189
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		
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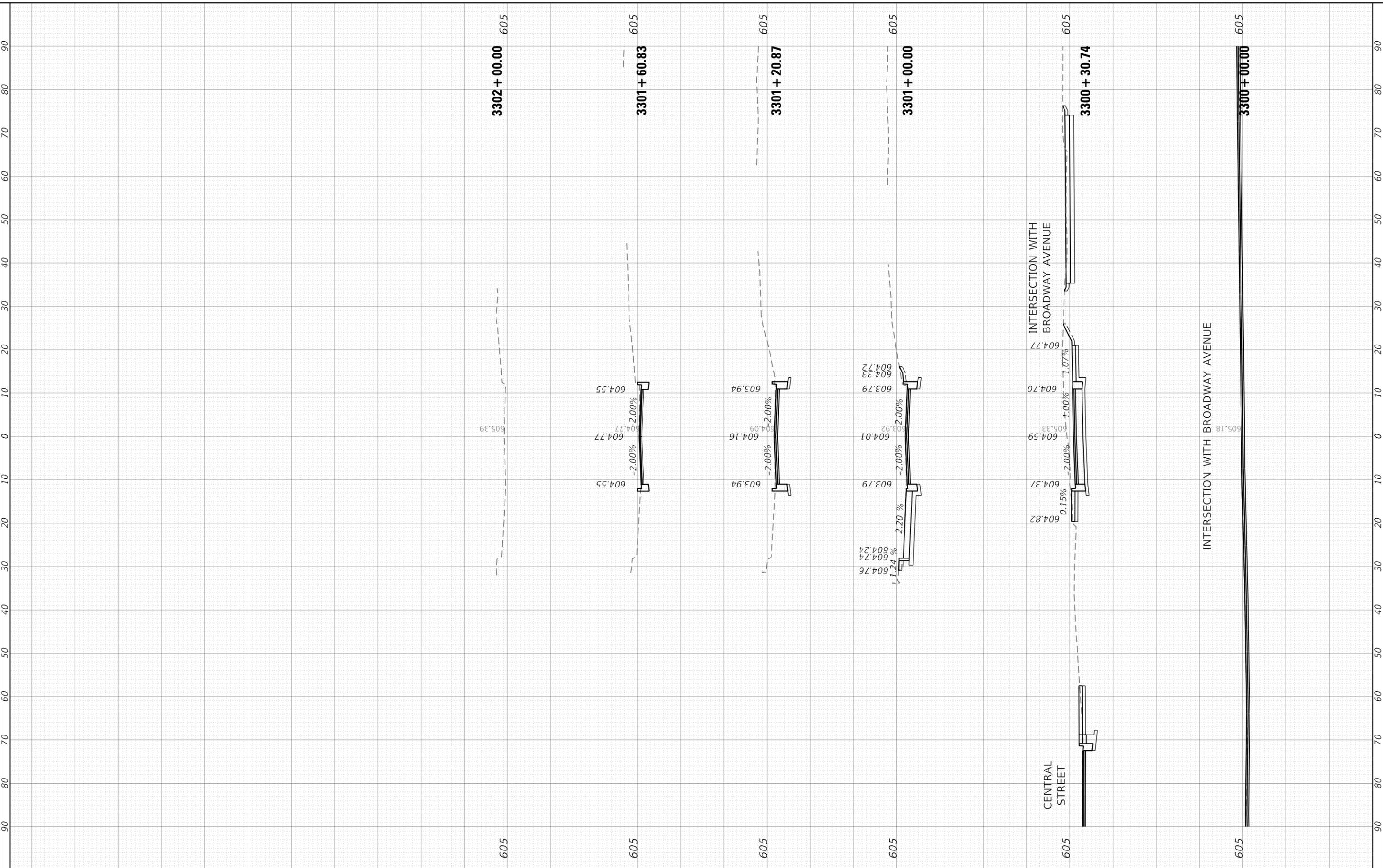
CROSS SECTIONS BROADWAY AVENUE	
SCALE: 1" = 10' (H) 1" = 5' (V)	SHEET 1 OF 1 SHEETS STA. 1400+00.00 TO STA. 1402+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 190
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

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

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

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**CROSS SECTIONS
 POPLAR AVENUE (REALIGNED)**

SCALE: 1" = 10' (H) 1" = 50' (V) SHEET 1 OF 1 SHEETS STA. 3300+00.00 TO STA. 3302+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 191
CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT