

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

MODEL: Default
 FILE: \\bentley.com\pub\p01\Documents\01 Active Projects\WK-CUS-168112005 - Green Bay Road - Phase 1B2 Design\CAD\Plan_Sheets\168112005-sht-00A-Green-Bay12_HA.dgn



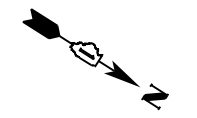
USER NAME = Mkelly	DESIGNED - HA	REVISD -
PLOT SCALE = 10.0000 ' / in.	DRAWN - HA	REVISD -
PLOT DATE = 6/10/2024	CHECKED - MK	REVISD -
	DATE -	REVISD -

**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				

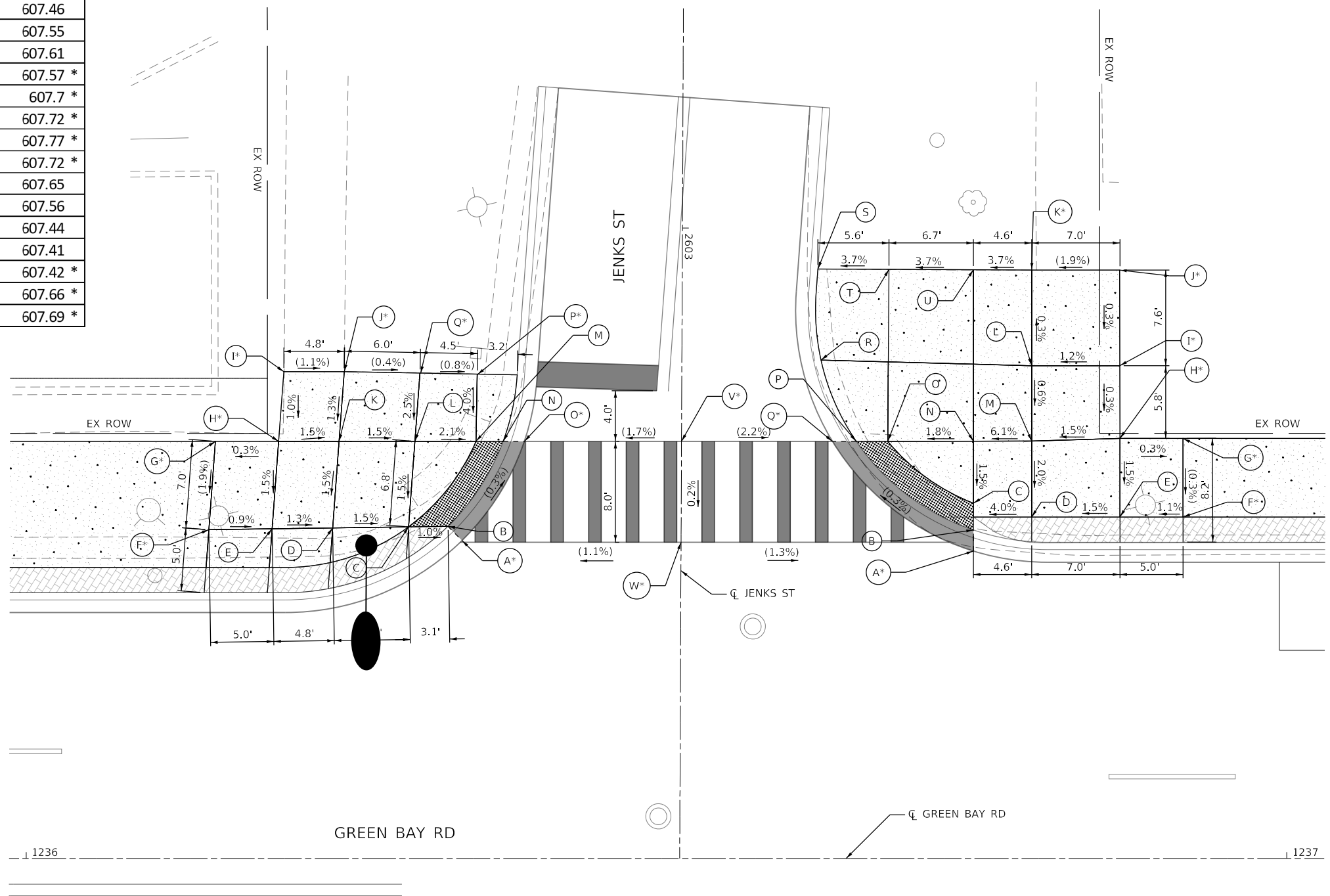


GREEN BAY RD AND JENKS ST INTERSECTION
SW CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	1236+34.57	25.22	607.44 *
B	1236+33.49	26.33	607.43
C	1236+30.34	26.30	607.46
D	1236+24.32	26.22	607.55
E	1236+19.52	26.15	607.61
F	1236+14.50	26.08	607.57 *
G	1236+15.02	33.08	607.7 *
H	1236+20.03	33.08	607.72 *
I	1236+20.44	38.61	607.77 *
J	1236+25.23	38.61	607.72 *
K	1236+24.82	33.08	607.65
L	1236+30.84	33.08	607.56
M	1236+35.68	33.08	607.44
N	1236+37.84	33.08	607.41
O	1236+39.50	33.08	607.42 *
P	1236+35.78	38.41	607.66 *
Q	1236+31.24	38.50	607.69 *

GREEN BAY RD AND JENKS ST INTERSECTION
NW CORNER -
SIDEWALK RAMP CONTROL POINTS

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	1236+75.14	24.39	607.38 *
B	1236+75.14	26.05	607.38
C	1236+75.14	28.18	607.35
D	1236+79.76	27.08	607.67
E	1236+86.75	27.08	607.78
F	1236+91.76	27.08	607.84 *
G	1236+91.76	33.32	607.85 *
H	1236+86.76	33.32	607.87 *
I	1236+86.75	39.08	607.89 *
J	1236+86.76	46.64	607.91 *
K	1236+79.76	46.67	607.78 *
L	1236+79.76	39.08	607.80
M	1236+79.76	33.10	607.76
N	1236+75.14	33.10	607.48
O	1236+68.34	33.09	607.36
P	1236+65.85	33.08	607.35
Q	1236+63.96	33.08	607.37 *
R	1236+63.05	39.53	607.27
S	1236+62.81	46.79	607.15
T	1236+68.45	46.71	607.36
U	1236+75.19	46.67	607.60



LEGEND:

- (S) PROPOSED ELEVATION
- (S*) EXISTING ELEVATION
- X.X% SIDEWALK/PAVEMENT GRADE
- (X.X%) EXISTING GRADE
- [Grid Pattern] DETECTABLE WARNING TILE
- [Dashed Line] CC&G, TYPE B-6.12
- [Solid Line] DEPRESSED CURB
- [Circle with Dot] TRAFFIC SIGNAL POST
- [Circle with Center Dot] PEDESTRIAN PUSH BUTTON
- [Dashed Line] PROPOSED SIDE CURB

MODEL: Default
 FILE: \\nas01\pwwork\pwwork\benby.com\shp\p\01\Documents\01_Active\Projects\MW\CHS-168112005 - Green Bay Road - Phase B12_Design\CAD\Plan_Sheets\168112005-shp-DA-sen\01_KMA.dgn
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-487-4600
 WWW.KIMLEY-HORN.COM



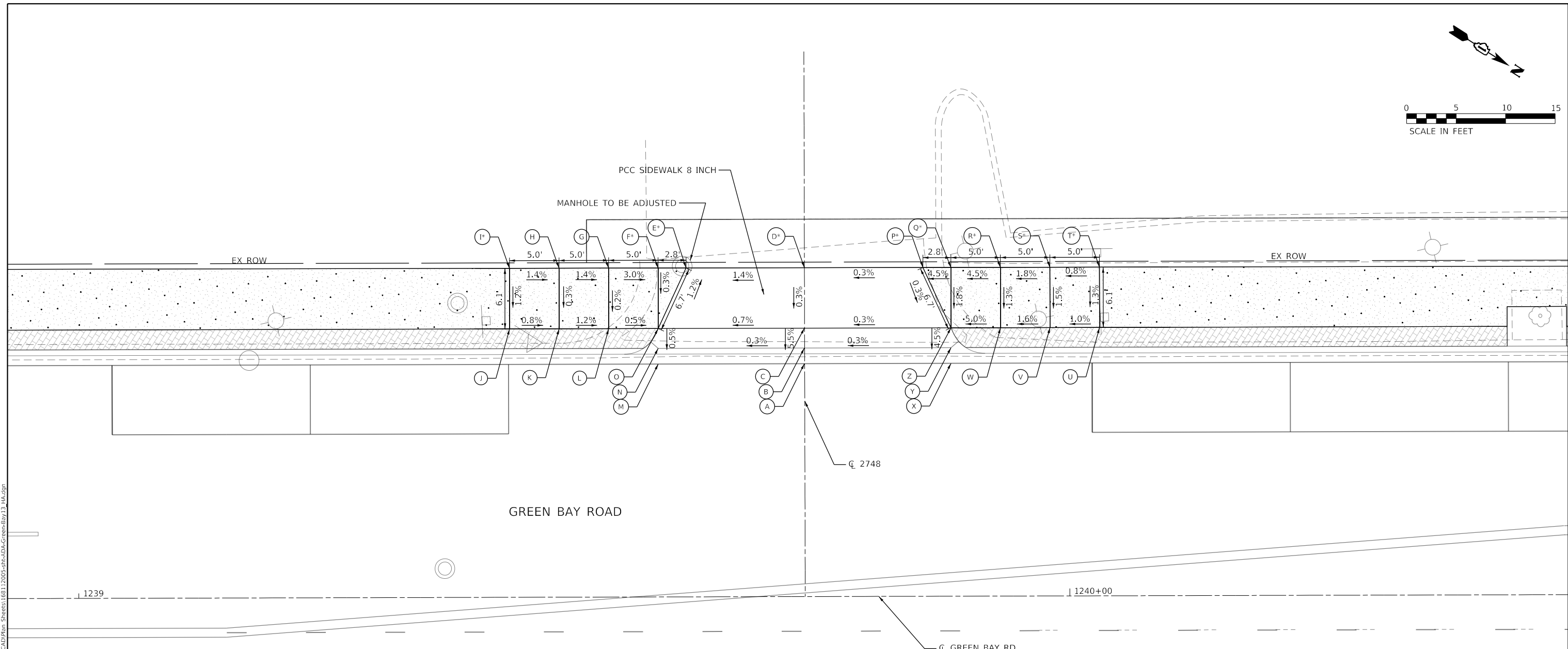
USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - KKH	REVISED -
PLOT DATE = 7/10/2024	CHECKED - SRS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION RAMP DETAILS
GREEN BAY RD & JENKS ST - NW & SW CORNER

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	102
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



LEGEND:

- S PROPOSED ELEVATION
- S* 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

MODEL: Default
 FILE: \\bentley.com\pub\p01\Documents\01_Active\Projects\WK-CUS-168112005 - Green Bay Road - Phase II\2_Design\CADD\Plan_Sheets\168112005-sht-00A-Green-Bay13_Ma.dgn



USER NAME = Mkelly	DESIGNED - HA	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - HA	REVISED -
PLOT DATE = 6/10/2024	CHECKED - MK	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

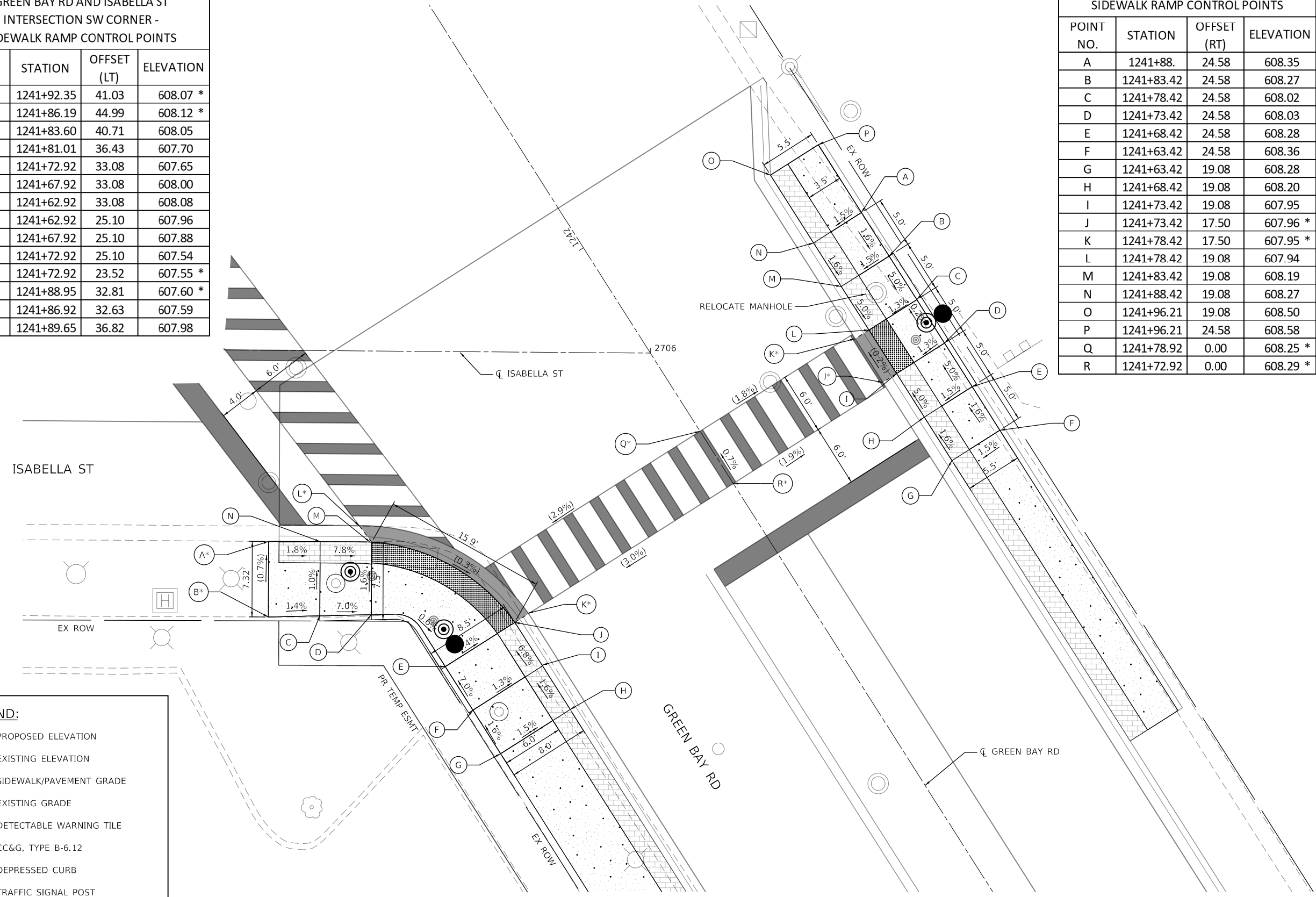
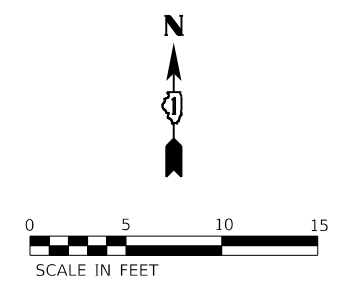
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	103
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

**GREEN BAY RD AND ISABELLA ST
INTERSECTION SE CORNER -
SIDEWALK RAMP CONTROL POINTS**

POINT NO.	STATION	OFFSET (RT)	ELEVATION
A	1241+88.	24.58	608.35
B	1241+83.42	24.58	608.27
C	1241+78.42	24.58	608.02
D	1241+73.42	24.58	608.03
E	1241+68.42	24.58	608.28
F	1241+63.42	24.58	608.36
G	1241+63.42	19.08	608.28
H	1241+68.42	19.08	608.20
I	1241+73.42	19.08	607.95
J	1241+73.42	17.50	607.96 *
K	1241+78.42	17.50	607.95 *
L	1241+78.42	19.08	607.94
M	1241+83.42	19.08	608.19
N	1241+88.42	19.08	608.27
O	1241+96.21	19.08	608.50
P	1241+96.21	24.58	608.58
Q	1241+78.92	0.00	608.25 *
R	1241+72.92	0.00	608.29 *

**GREEN BAY RD AND ISABELLA ST
INTERSECTION SW CORNER -
SIDEWALK RAMP CONTROL POINTS**

POINT NO.	STATION	OFFSET (LT)	ELEVATION
A	1241+92.35	41.03	608.07 *
B	1241+86.19	44.99	608.12 *
C	1241+83.60	40.71	608.05
D	1241+81.01	36.43	607.70
E	1241+72.92	33.08	607.65
F	1241+67.92	33.08	608.00
G	1241+62.92	33.08	608.08
H	1241+62.92	25.10	607.96
I	1241+67.92	25.10	607.88
J	1241+72.92	25.10	607.54
K	1241+72.92	23.52	607.55 *
L	1241+88.95	32.81	607.60 *
M	1241+86.92	32.63	607.59
N	1241+89.65	36.82	607.98



LEGEND:

- S PROPOSED ELEVATION
- S 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

MODEL: Default
 FILE: \\bentley.com\share\p\p\01\Documents\01 Active Projects\WV\CHS\68112005 - Green Bay Road - Phase II\2 Design\CAD\Plan_Sheets\68112005-sht-01-DA-Isabella01_KHA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6600
 WWW.KIMLEY-HORN.COM



USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - KKH	REVISED -
PLOT DATE = 7/10/2024	CHECKED - SRS	REVISED -
	DATE -	REVISED -

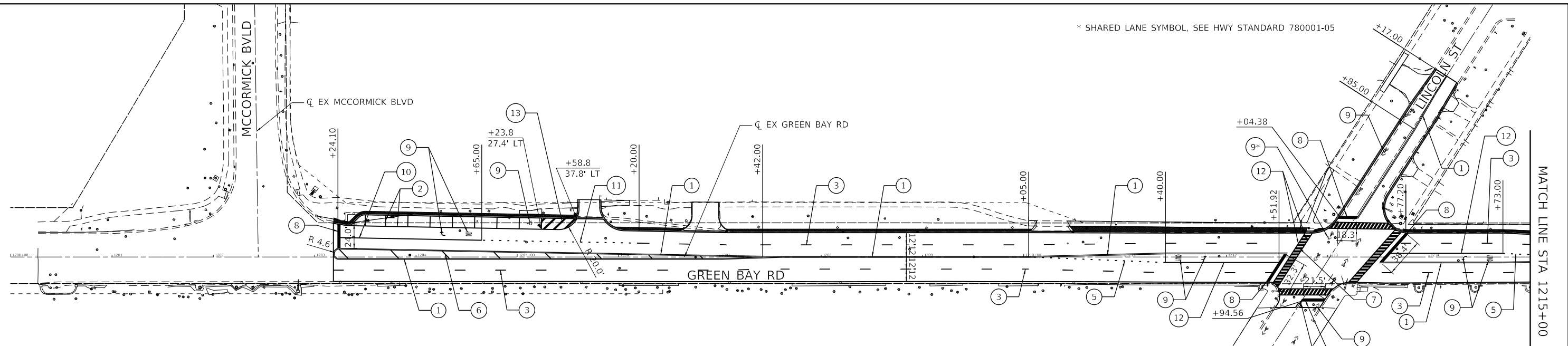
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION RAMP DETAILS
GREEN BAY RD & ISABELLA ST - SW & SE CORNER**

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

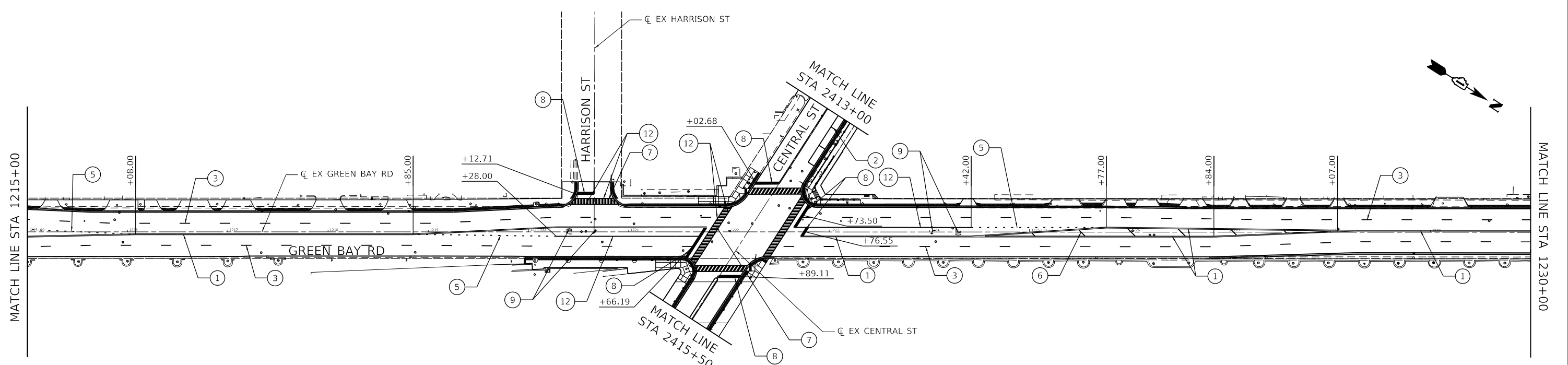
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	104
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

* 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)	



MODEL: Default
 FILE: \\bentley.com\pub\pwworkspace\joel.turk\pwworkspace\611\Documents\01 Active Projects\MK-CHS-168112005 - Green Bay Road - Phase II - Design\CAD\Plan Sheets\168112005-sht-pmk-01.dwg
 PLOT DATE = 7/10/2024



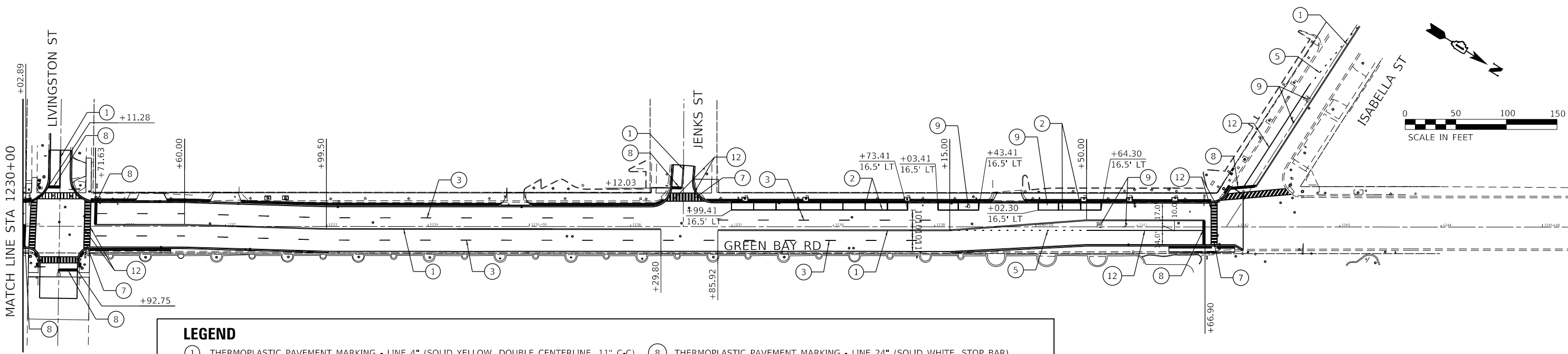
USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - KKH	REVISED -
PLOT DATE = 7/10/2024	CHECKED - SRS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PAVEMENT MARKING PLAN
GREEN BAY ROAD**

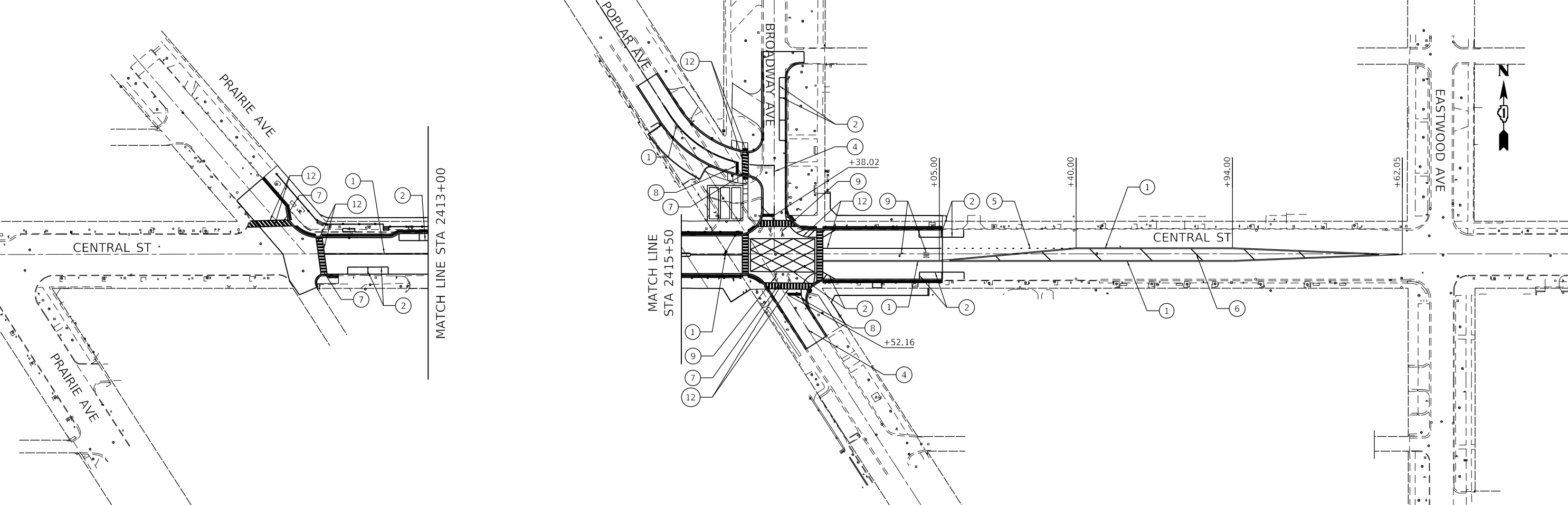
SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 1200+00 TO STA. 1230+00

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				



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)	



MODEL: Default
 FILE: \\mhc-pw-bentley.com\h-pw-01\Documents\01 Active Projects\WV\CHS-168112005 - Green Bay Road - Phase II-2 Design\CAD\Plan Sheets\168112005-sht-61k60.dwg
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINTERLAND SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630.471.4600
 WWW.KIMLEY-HORN.COM



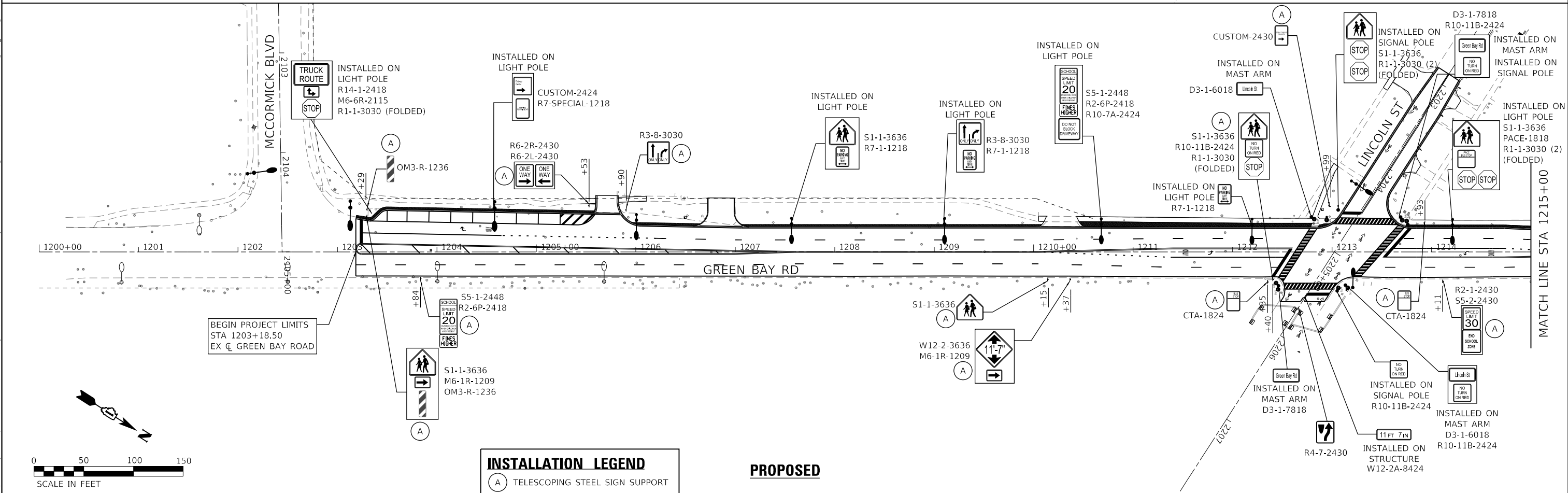
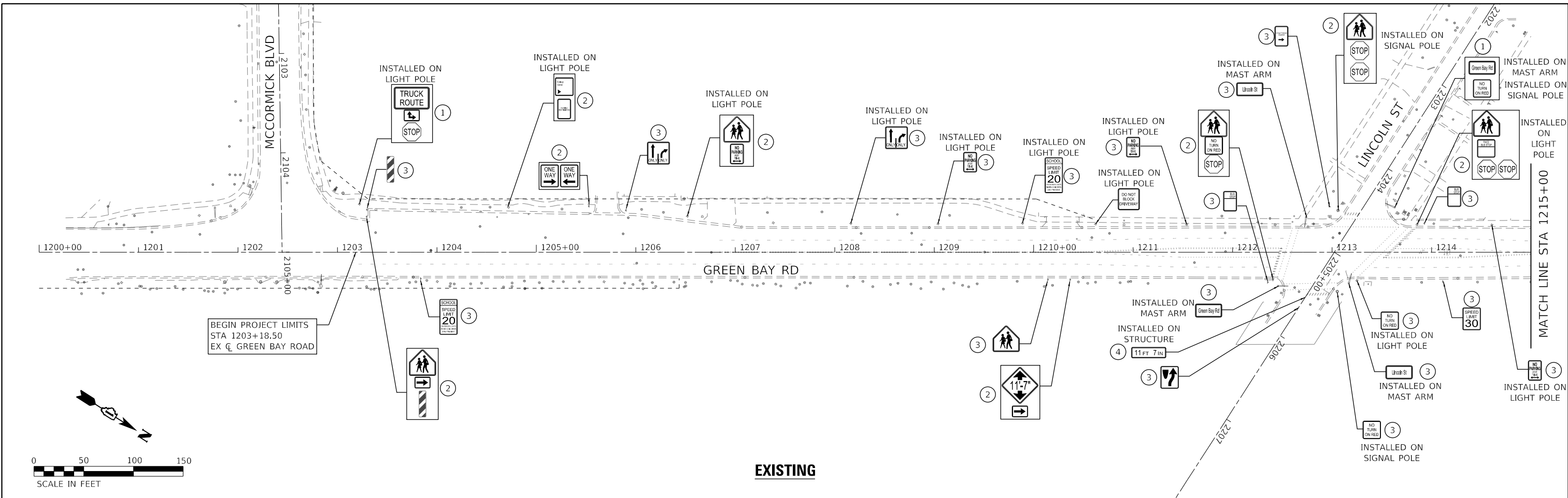
USER NAME = JoelTurk
PLOT SCALE = 100.0000" / in.
PLOT DATE = 7/10/2024

DESIGNED - KKH	REVISED -
DRAWN - KKH	REVISED -
CHECKED - SRS	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING 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-RS	COOK	191	106
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



INSTALLATION LEGEND	
(A)	TELESCOPING STEEL SIGN SUPPORT

MODEL: Default
 FILE: \\nas01\proj\paw_bentley.com\paw_01\Documents\01 Active Projects\WK-CUS-168112005 - Green Bay Road - Phase B2 Design\CADD\Plan_Sheets\168112005-sht-01.dgn



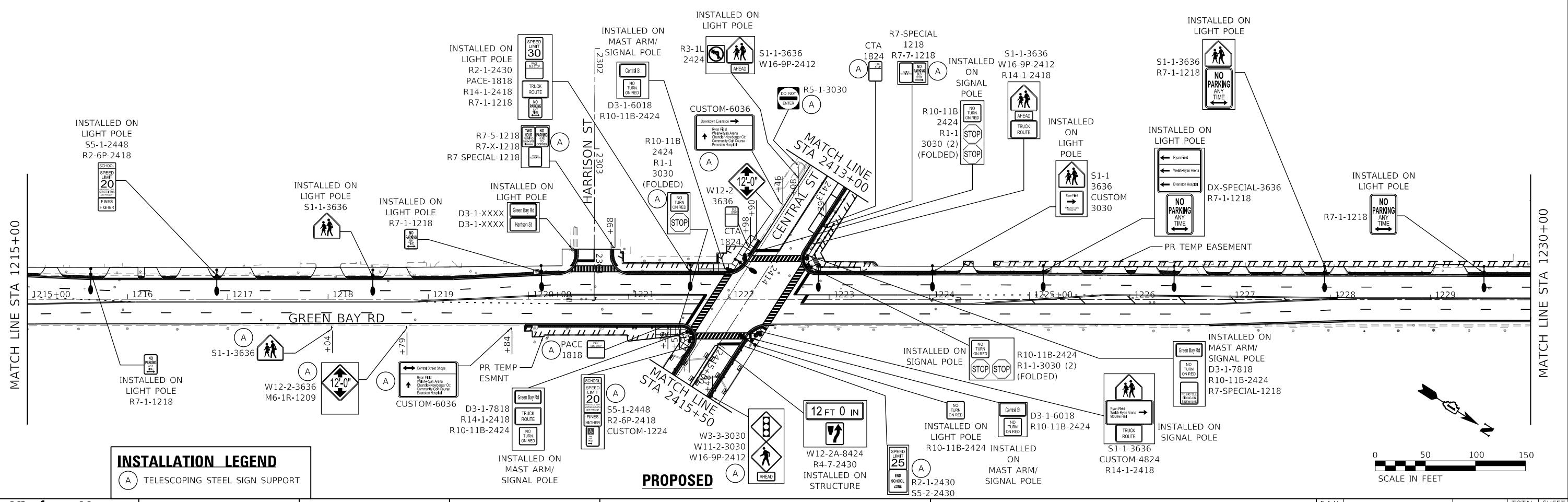
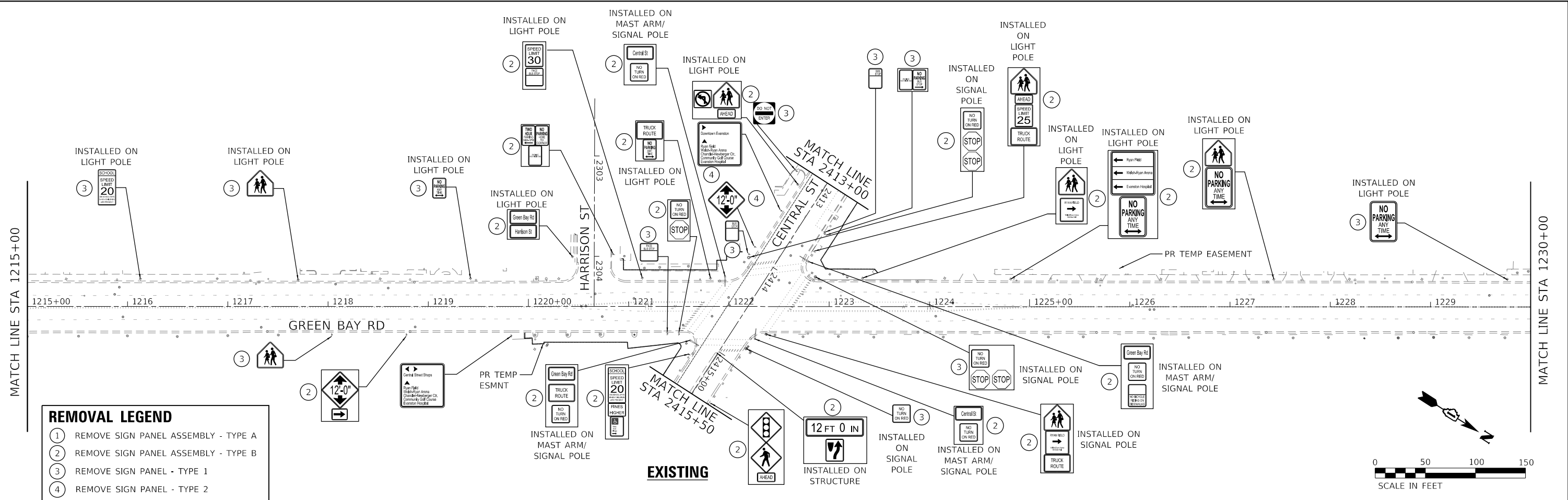
USER NAME	= JoelTurk
DESIGNED	- KKH
DRAWN	- KKH
CHECKED	- SRS
DATE	-
PLOT SCALE	= 100,0000' / in.
PLOT DATE	= 7/10/2024

REVISD	-
REVISD	-
REVISD	-
REVISD	-

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				



Kimley-Horn
2024 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630-477-6600
WWW.KIMLEY-HORN.COM

USER NAME	= JoelTurk	DESIGNED	- KKH	REVISED	-
DRAWN	- KKH	REVISION	-	REVISED	-
PLOT SCALE	= 100.0000' / in.	CHECKED	- SRS	REVISED	-
PLOT DATE	= 7/10/2024	DATE	-	REVISED	-

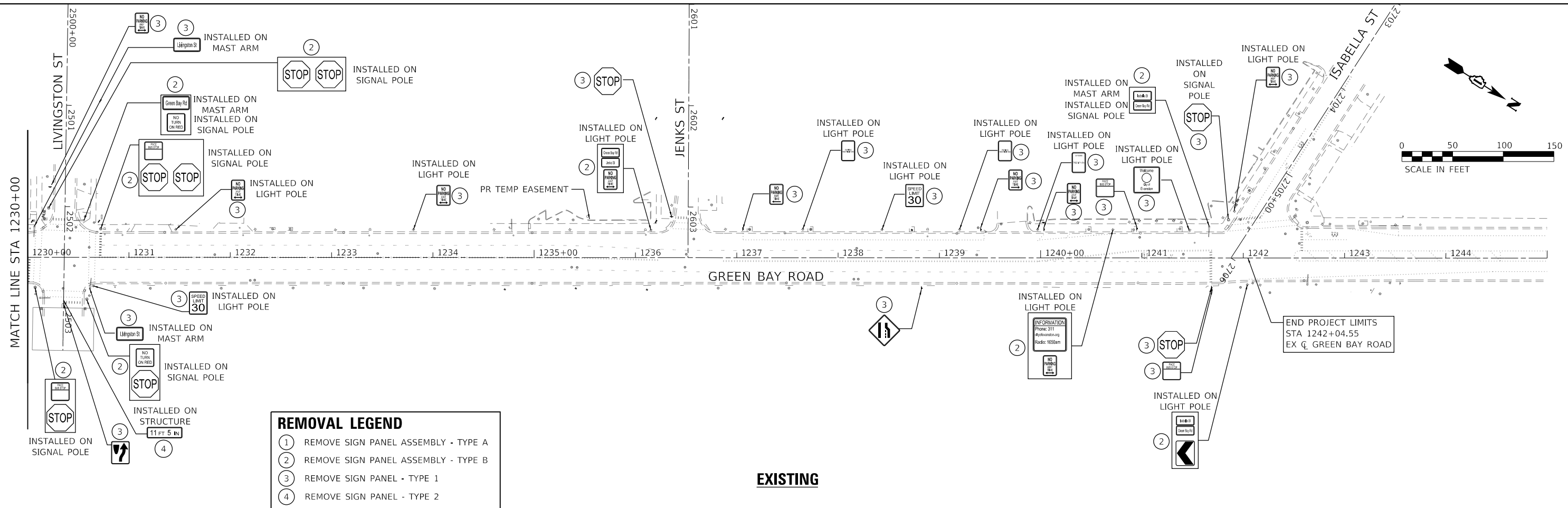
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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	108
CONTRACT NO. 61K60				
ILLINOIS		FED. AID PROJECT		

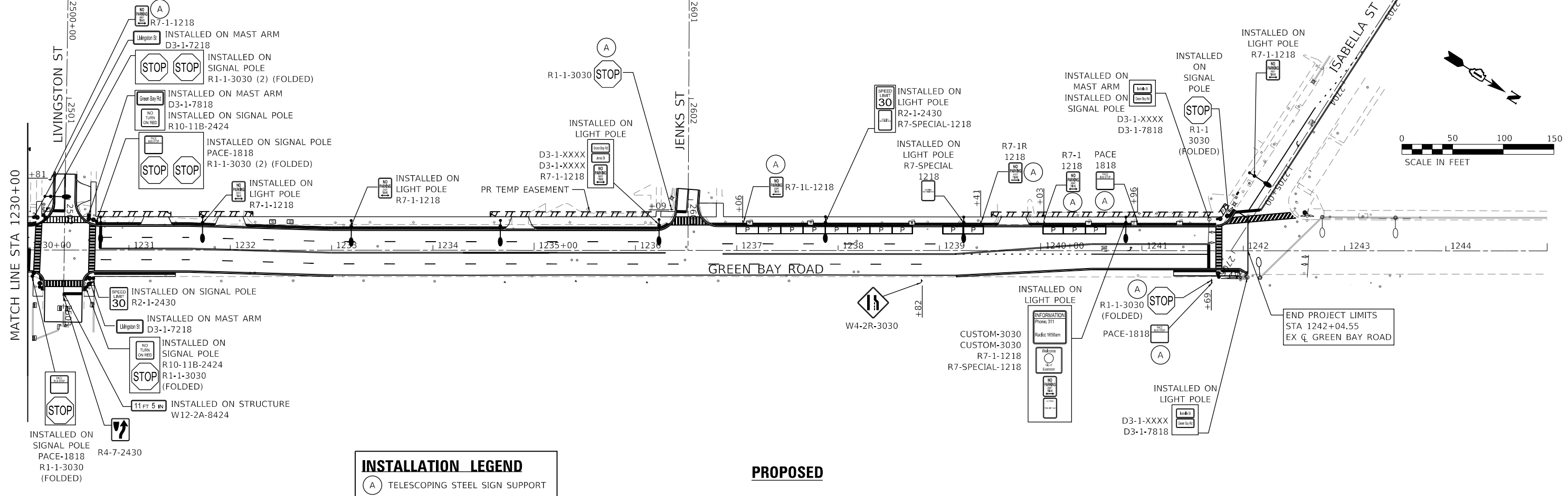
MODEL: Default FILE: h:\proj\24-26366-01\Documents\01_Active\Projects\WV\GIS-168112005_Green_Bay_Road_-_Phase_1B2_Design\CADD\Plan_Sheets\168112005-sht-rfp-02_M14A.dgn



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

EXISTING



INSTALLATION LEGEND

- (A) TELESCOPING STEEL SIGN SUPPORT

PROPOSED

MODEL: Default
 FILE: \\blm01c:\proj\blm01c\proj\blm01c\12305-00-03\12305-00-03_M14.dgn
 PROJECT: Active Projects\12305-00-03 - Green Bay Road - Phase 1B - Design\CADD\Plan Sheets\12305-00-03-03_M14.dgn



USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - KKH	REVISED -
PLOT DATE = 7/10/2024	CHECKED - SRS	REVISED -
	DATE -	REVISED -

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	109
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 LANSCAPE 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.

MODEL: Default
FILE: \\nas1211005-plw-bentley.com\plw-01\Documents\01 Active Projects\MW-CHS-168112005 - Green Bay Road - Phase II\2 Design\CADD\Plan_Sheets\168112005-sht-landnotes-K1A.dgn



© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630-487-4600
WWW.KIMLEY-HORN.COM

USER NAME = JoelTurk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

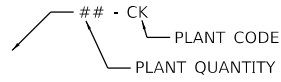
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLANT & SITE FURNISHING SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

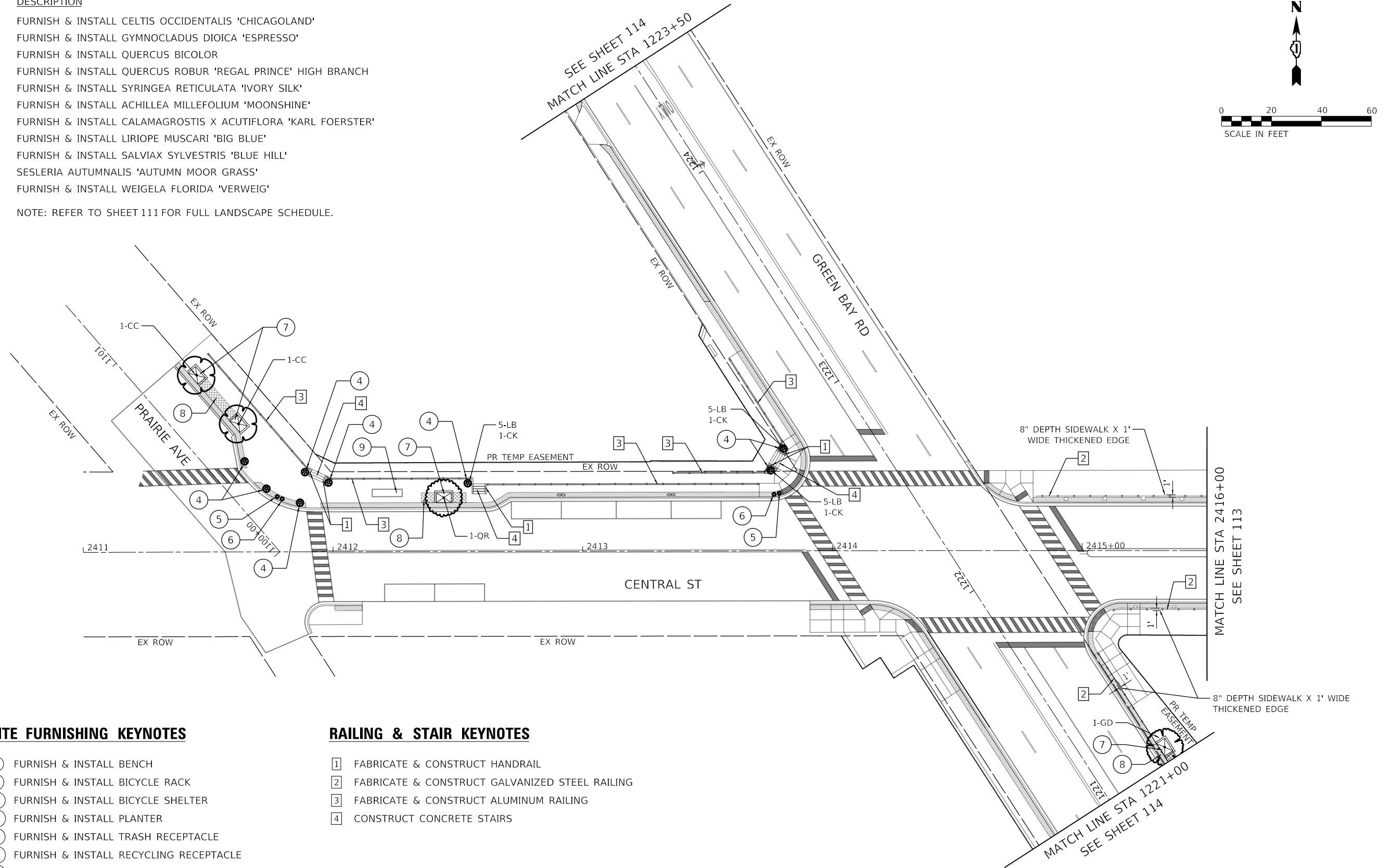
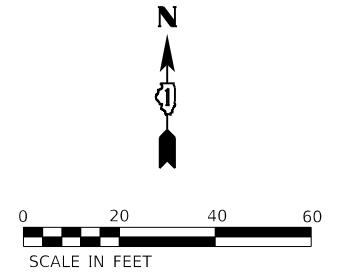
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	111
CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	

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.



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)

RAILING & STAIR KEYNOTES

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

MODEL: Default
 FILE: M:\GIS_Plan\Bentley\com\shp\01\Documents\01_Active Projects\WV\CK\168112005 - Green Bay Road - Phase 1B2_Design\CAD\Plan_Sheets\168112005-sh-b-bp-01_K145.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-487-6600
 WWW.KIMLEY-HORN.COM



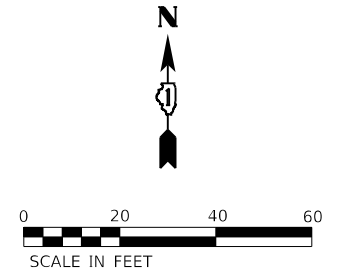
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLANS
GREEN BAY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

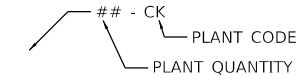
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	112
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



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.

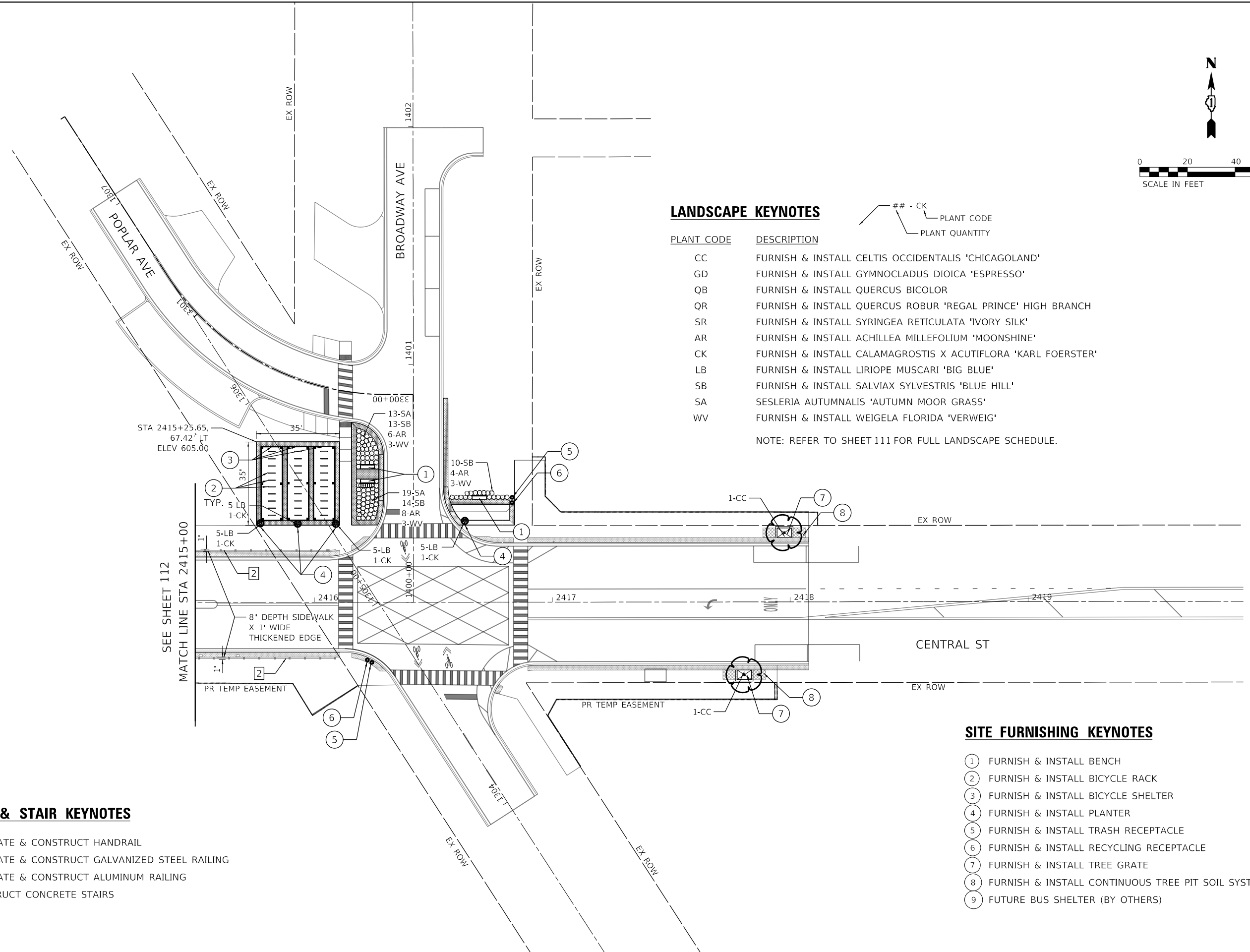


RAILING & STAIR KEYNOTES

- 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
 FILE: \\bentley.com\pub\pwworkspace\joel.turk\p01\Documents\01 Active Projects\WW\CHS-168112005 - Green Bay Road - Phase II - Design\CAD\Plan_Sheets\168112005-gh-bay-rd-02_k148.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-487-6600
 WWW.KIMLEY-HORN.COM



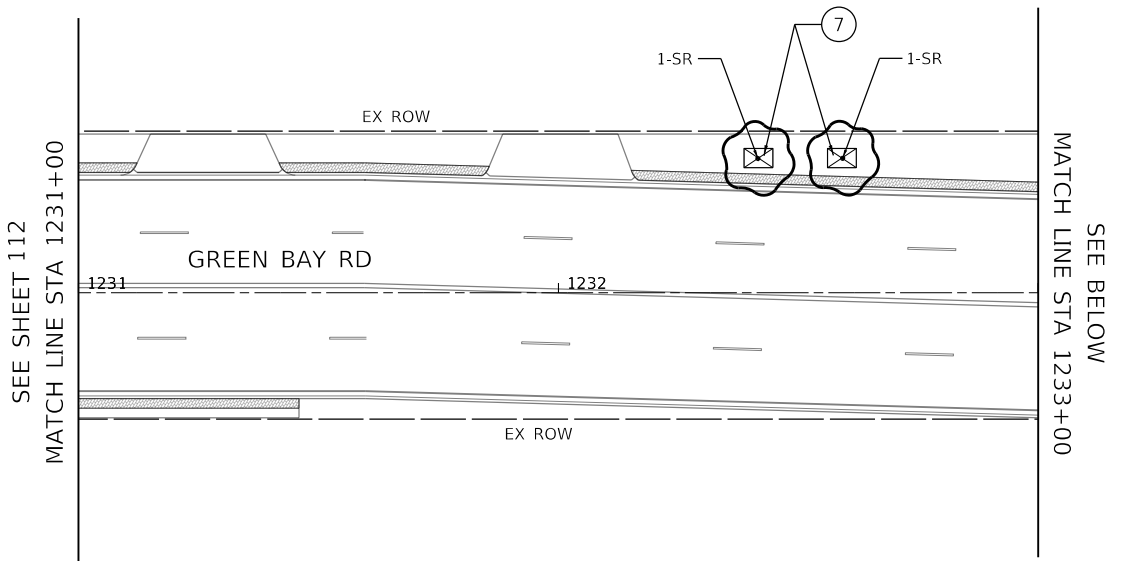
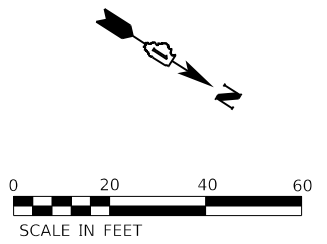
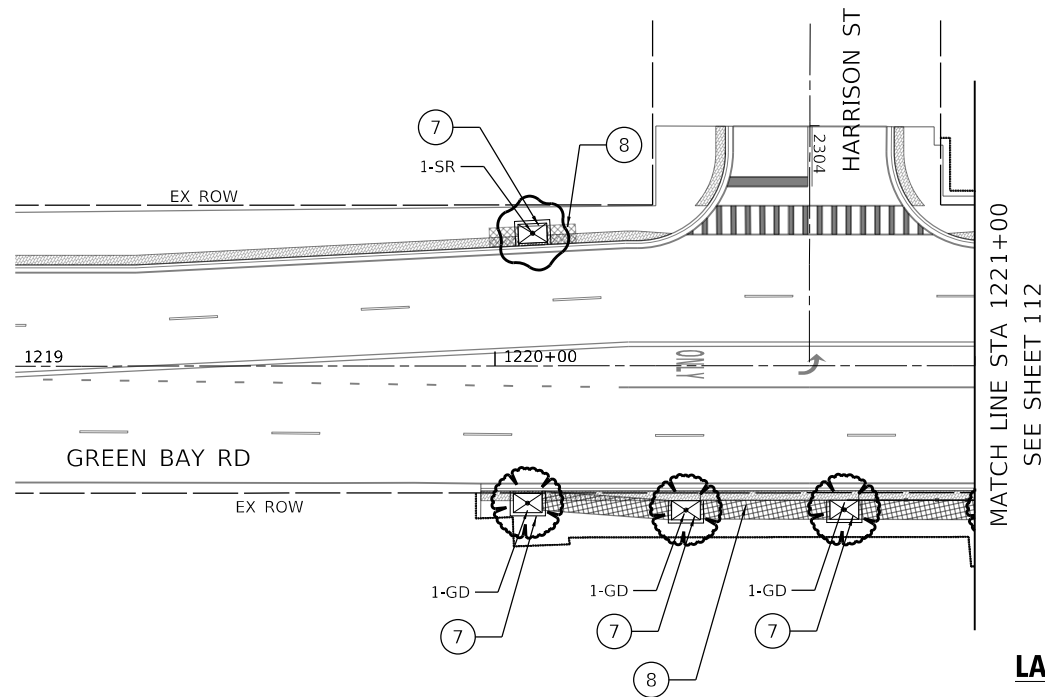
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
GREEN BAY ROAD

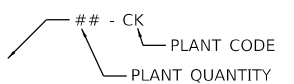
SCALE: SHEET OF SHEETS STA. TO STA.

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



LANDSCAPE KEYNOTES

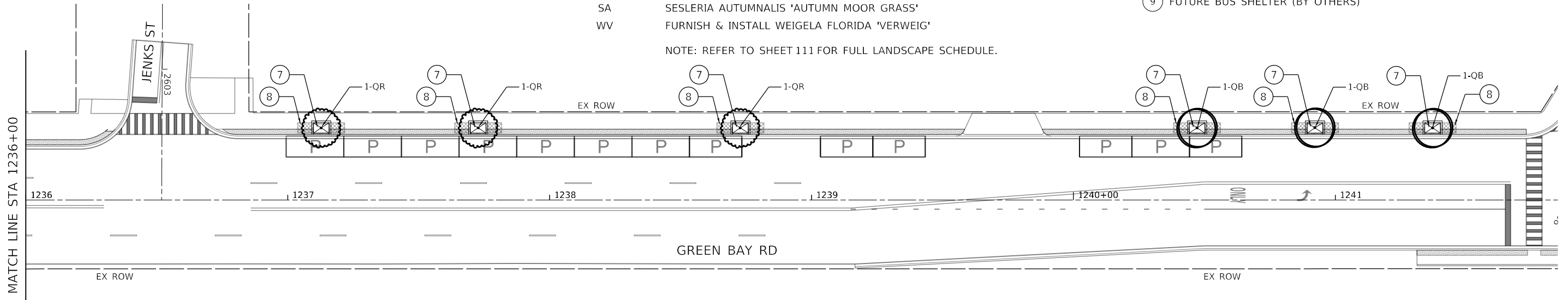
PLANT CODE	DESCRIPTION
CC	FURNISH & INSTALL CELTIS OCCIDENTALIS 'CHICAGOLAND'
GD	FURNISH & INSTALL GYMNOCLADUS DIOICA 'ESPRESSO'
QB	FURNISH & INSTALL QUERCUS BICOLOR
QR	FURNISH & INSTALL QUERCUS ROBUR 'REGAL PRINCE' HIGH BRANCH
SR	FURNISH & INSTALL SYRINGEA RETICULATA 'IVORY SILK'
AR	FURNISH & INSTALL 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'
VV	FURNISH & INSTALL WEIGELA FLORIDA 'VERWEIG'



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)

NOTE: REFER TO SHEET 111 FOR FULL LANDSCAPE SCHEDULE.



MODEL: Default
 FILE: \\bentley.com\pub\pwworkspace\168112005-01\Documents\01 Active Projects\MW\CHS-168112005 - Green Bay Road - Phase B12 Design\CAD\Plan_Sheets\168112005-sht-ba-pln-03_k14a.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM



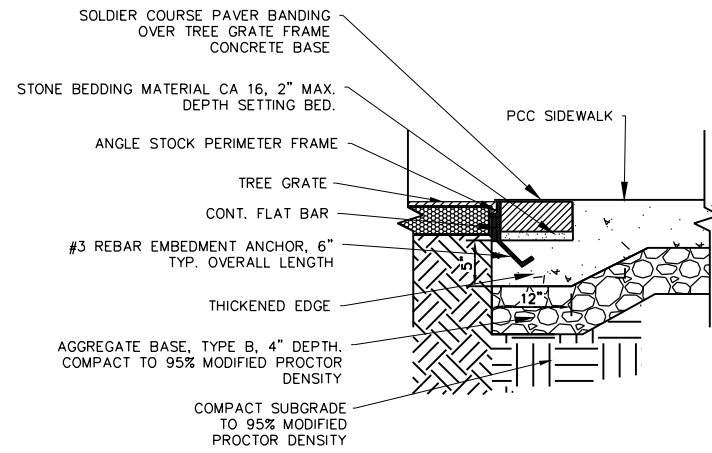
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

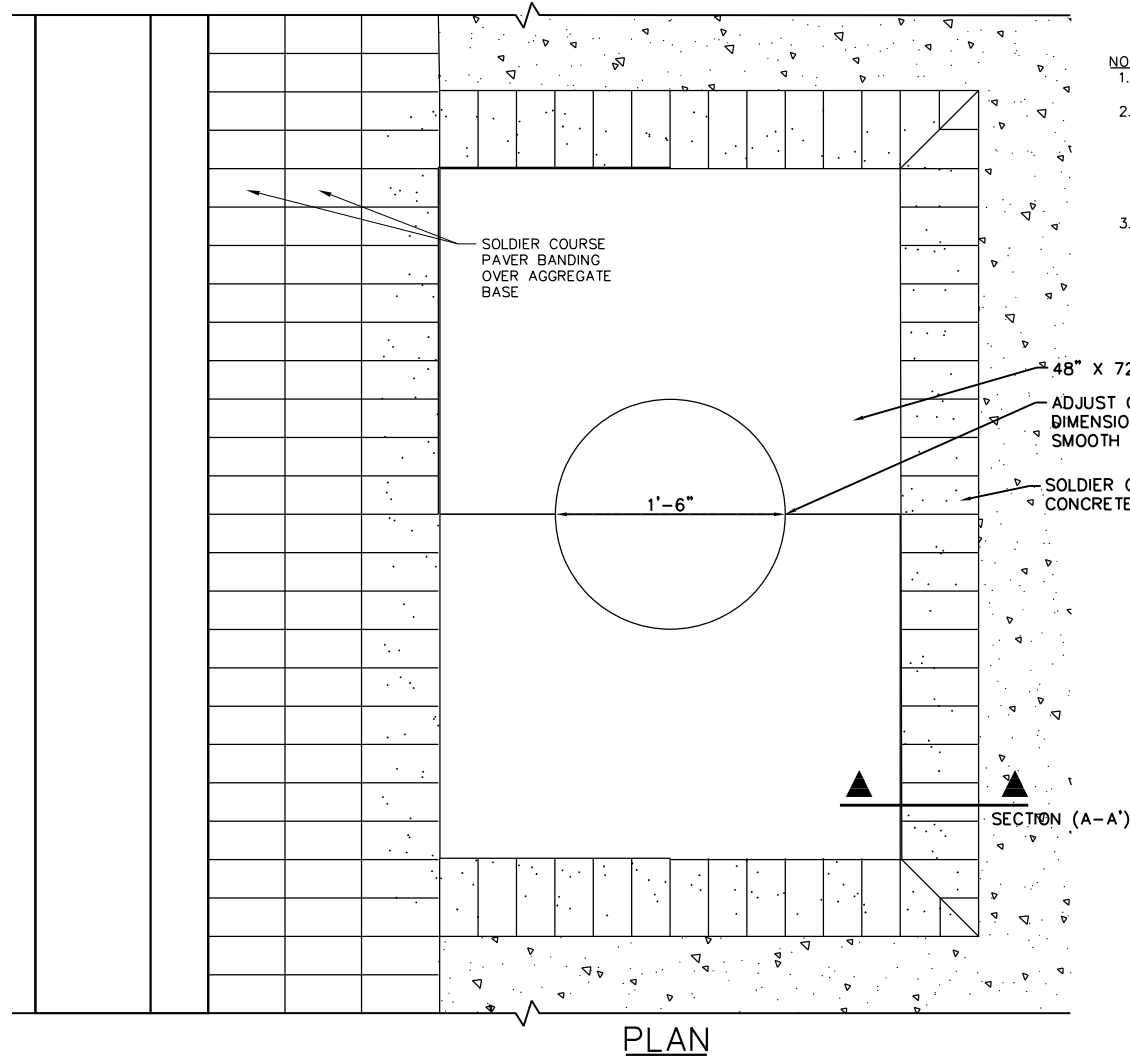
**LANDSCAPE PLAN
GREEN BAY ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

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



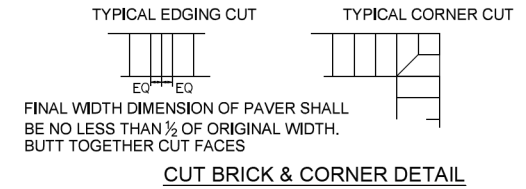
SECTION (A-A')



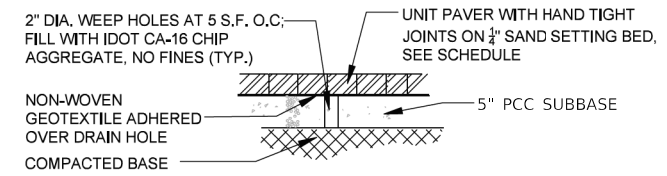
TREE GRATE

- 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.

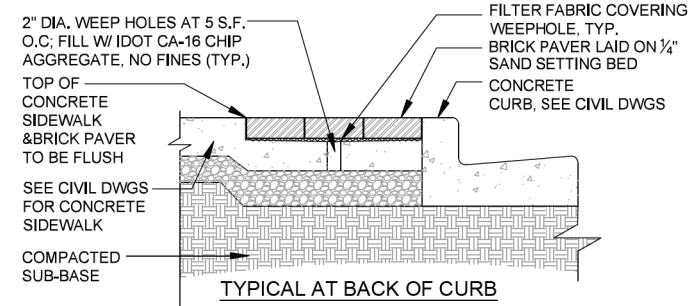
SCALE:NTS



CUT BRICK & CORNER DETAIL



TYPICAL SECTION

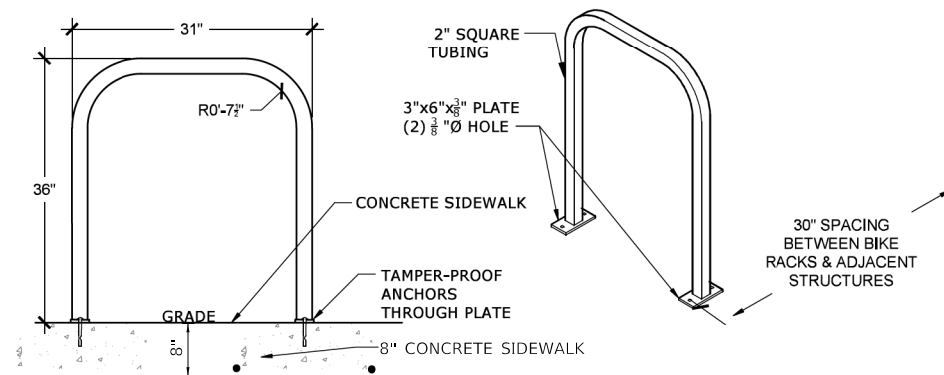


TYPICAL AT BACK OF CURB

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.

'U' SHAPED METAL BIKE RACK

SCALE:NTS

- 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.

MODEL: Default
 FILE: h:\bentley\pwworking\kimley-horn\project\112005-00\112005-00-11\112005-00-11.dwg
 PLOT DATE: 7/10/2024
 PLOT SCALE: 40.0000 1/1 in.

Kimley-Horn

© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINTERFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60555
 PHONE: 630-487-6500
 WWW.KIMLEY-HORN.COM

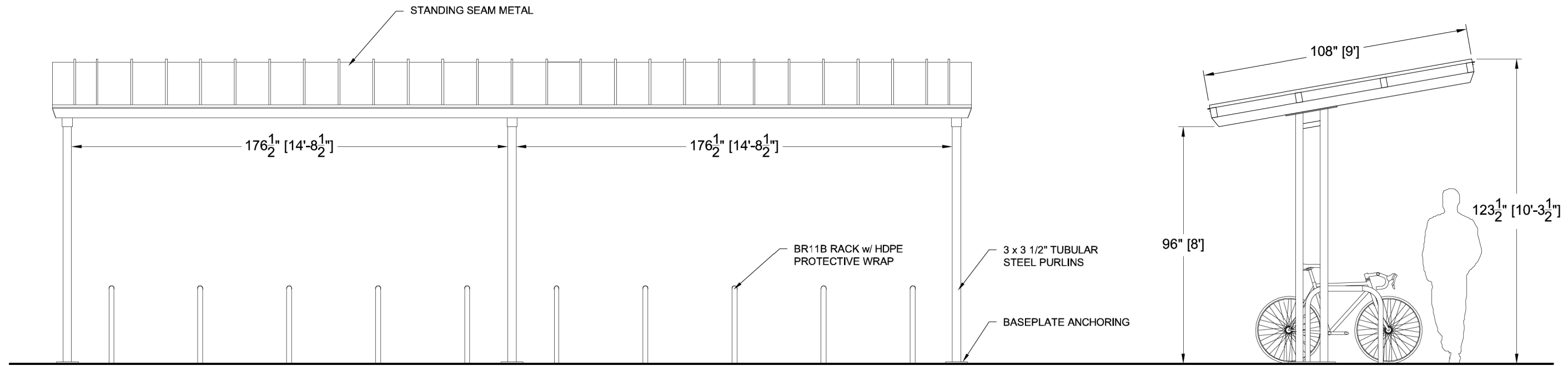
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 1/1 in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LANDSCAPE DETAILS

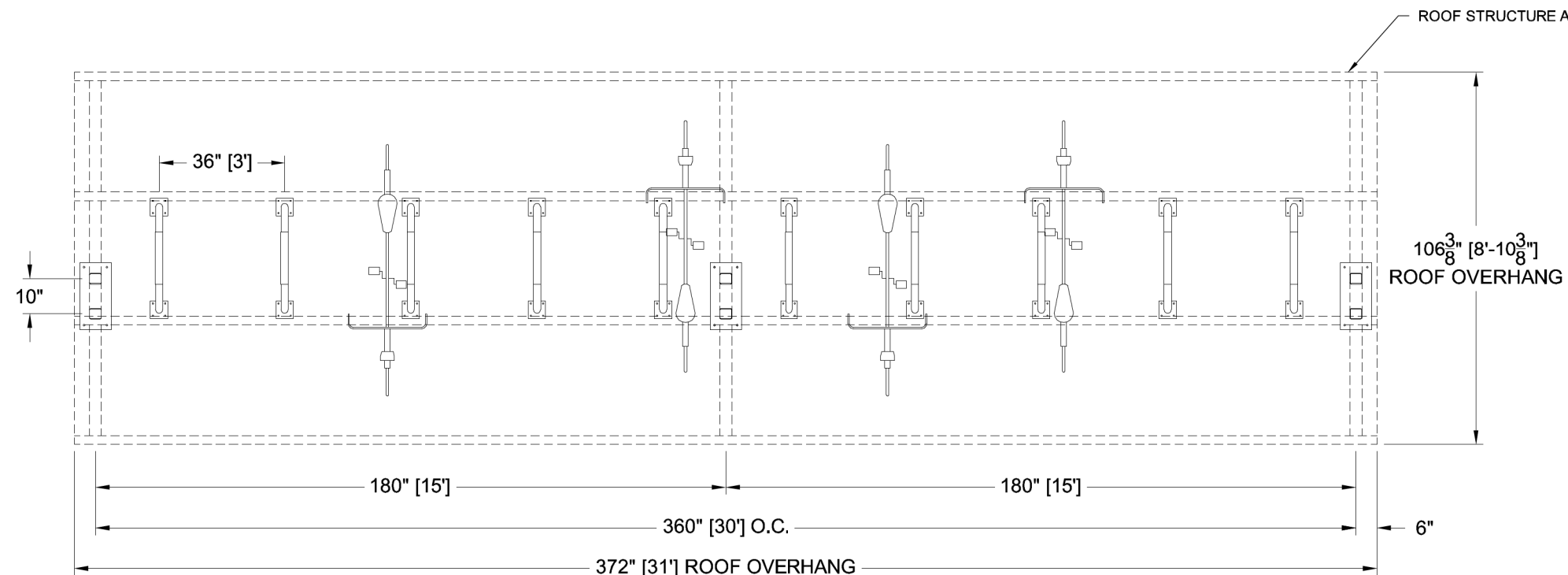
SCALE: SHEET OF SHEETS STA. TO STA.

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				



SIDE ELEVATION

END ELEVATION



PLAN VIEW

BIKE SHELTER

SCALE:NTS

NOTES:
1. REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

BIKE CAPACITY		
RACK SPACING	# OF RACKS	# OF BIKES
36"	10	20
30"	10	20

MODEL: Default
 FILE: h:\p1\hwy\hwy_bentley.com\hwy\p1\01\Documents\01_Active Projects\HWY\CHS-168112005 - Green Bay Road - Phase B2_Design\CAD\Bentley Sheets\168112005-sh-b-b-sheet-02_KHA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM

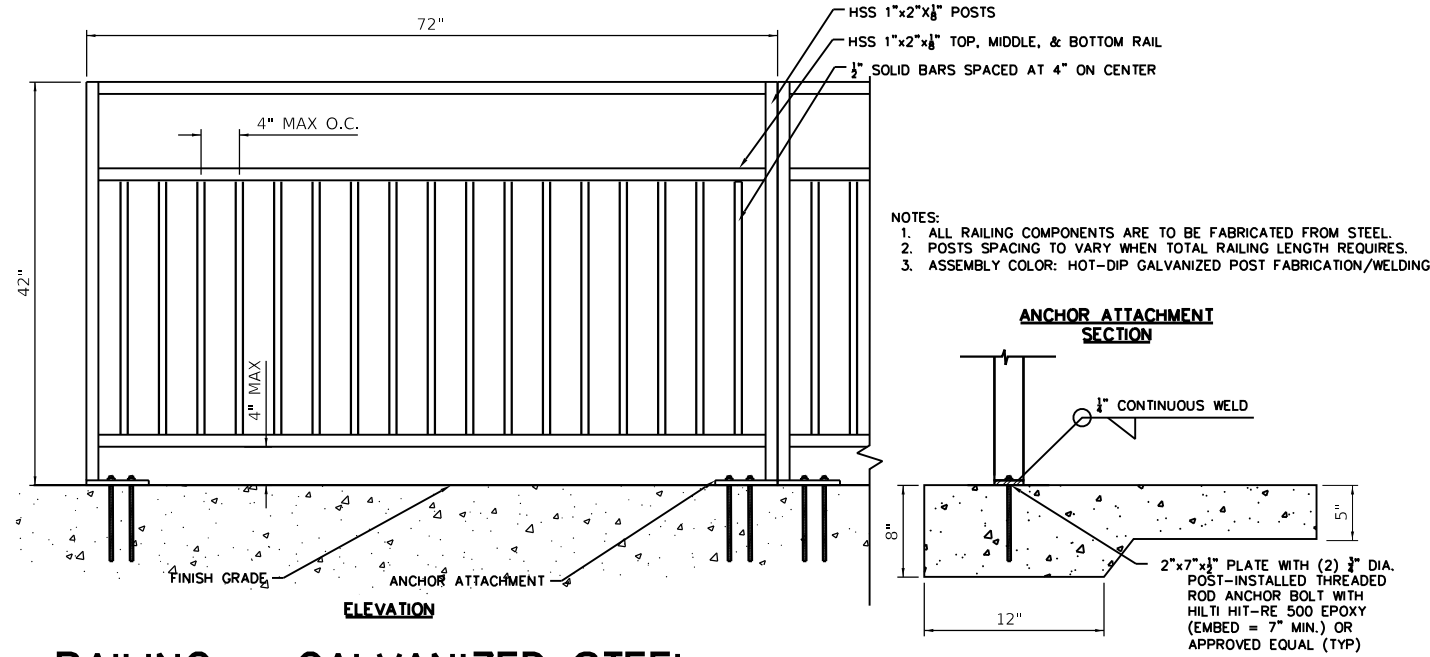


USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

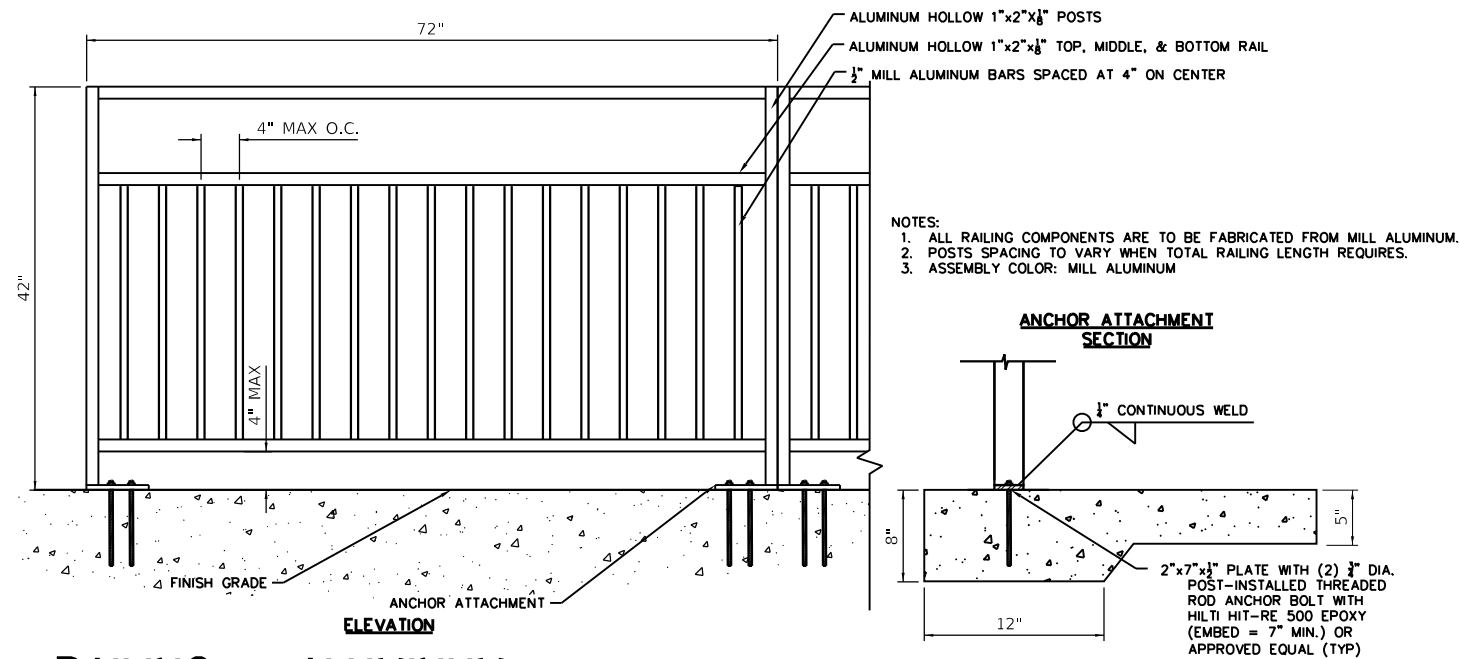
LANDSCAPE DETAILS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	116
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



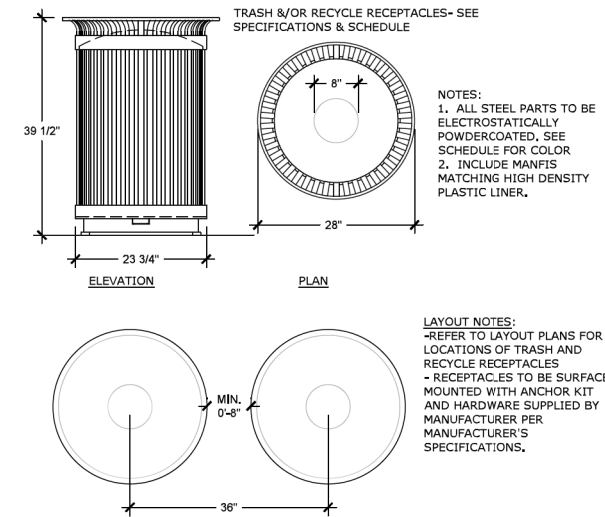
RAILING – GALVANIZED STEEL

SCALE:NTS



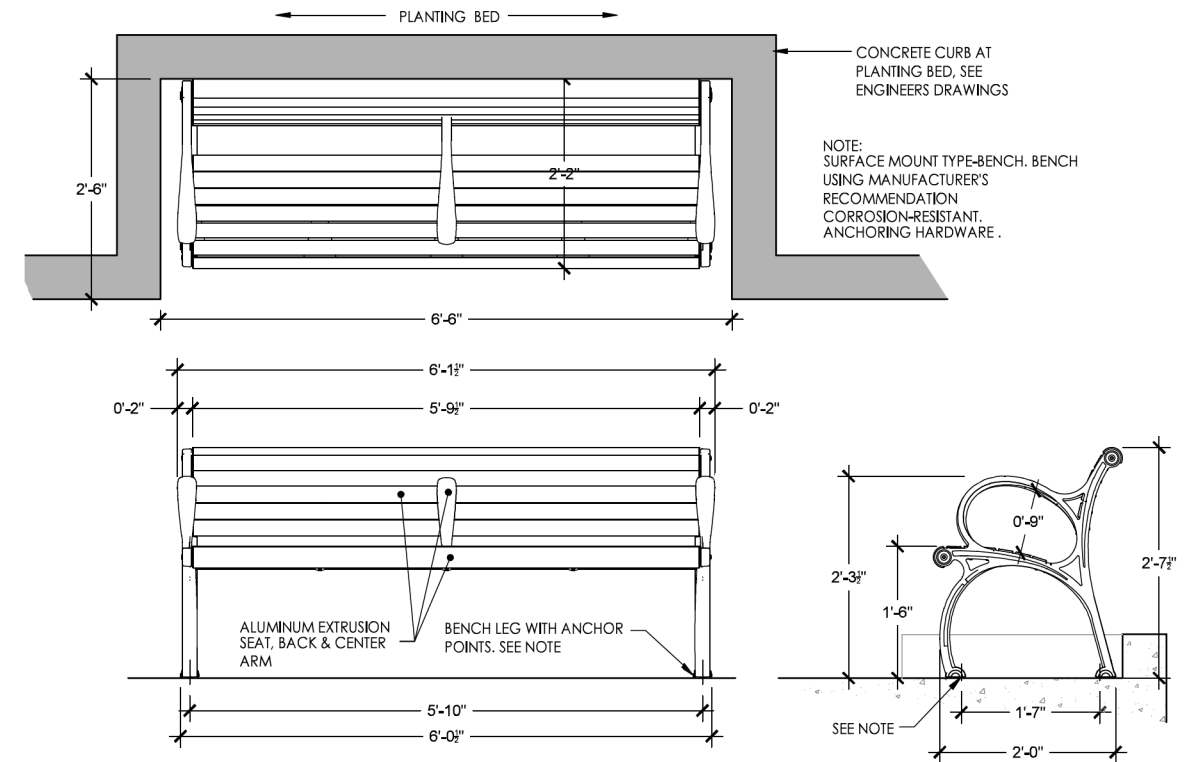
RAILING – ALUMINUM

SCALE:NTS



TRASH & RECYCLE RECEPTACLE

SCALE:NTS



BENCH – TYPICAL DETAILS

SCALE:NTS

MODEL: Default
FILE: M:\A\2\paw_bentley.com\shp\paw-01\Documents\01 Active Projects\WK-CUIS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Plan_Sheets\168112005-shb-bentley-03_KUA.dgn



© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINTERFIELD ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630-471-6600
WWW.KIMLEY-HORN.COM

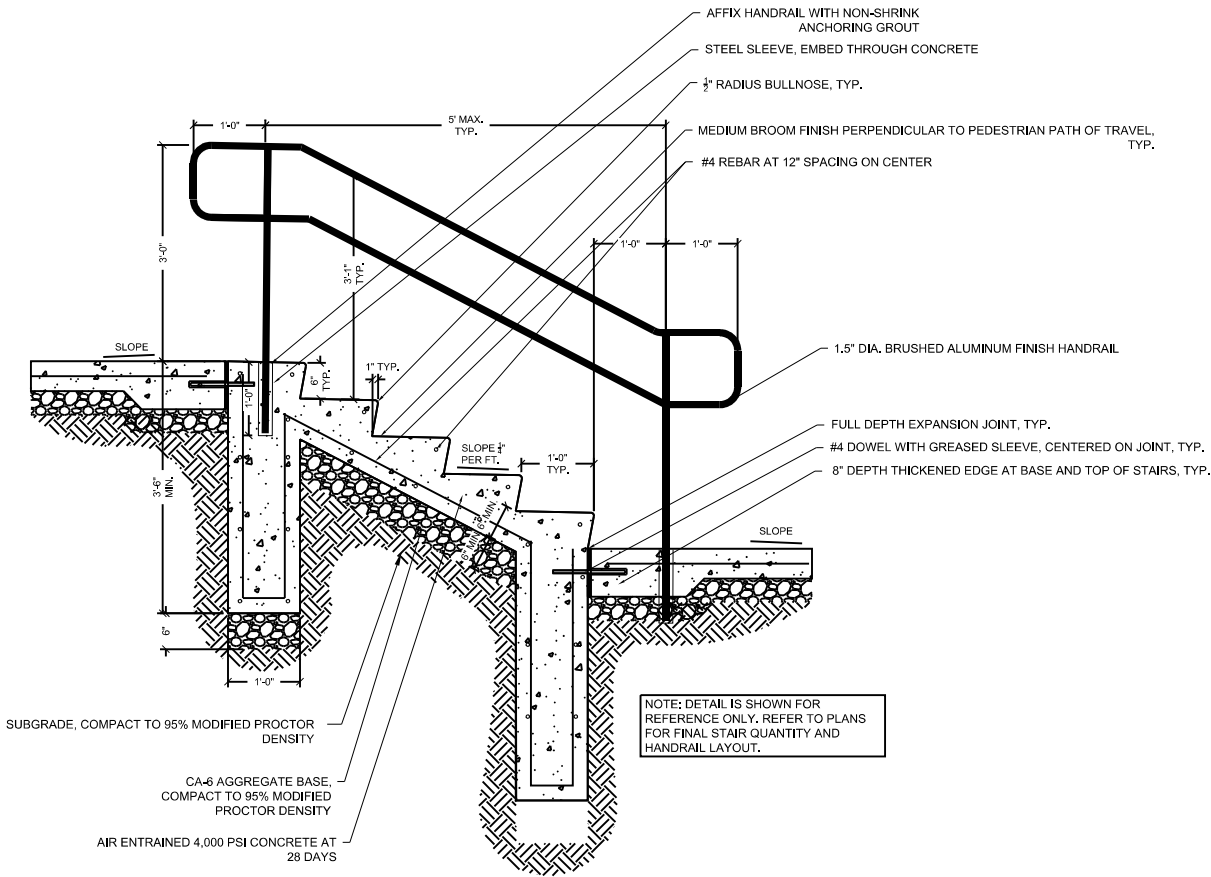
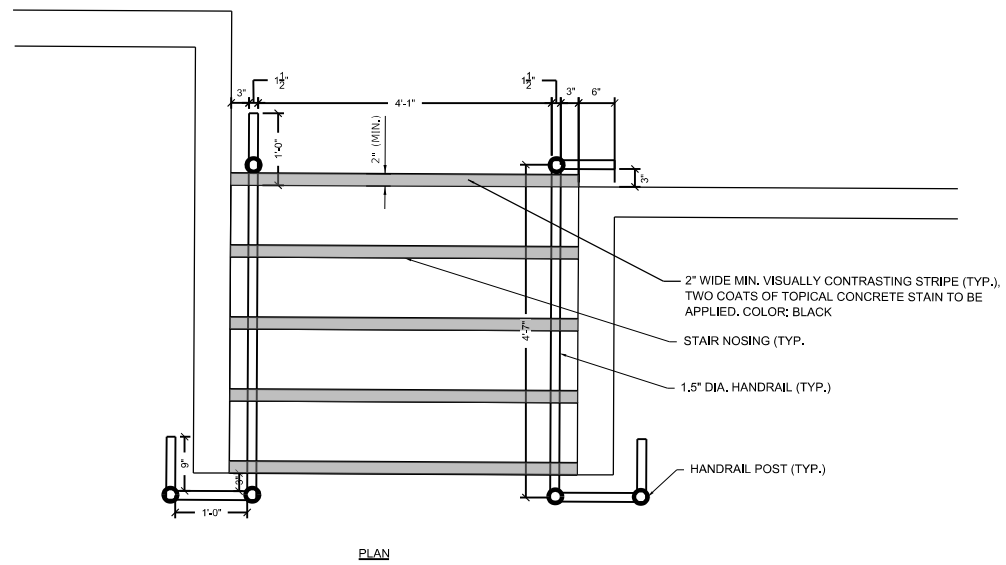
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

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	117
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



STAIRS AND HANDRAIL

SCALE:NTS



CONTRACTOR IS TO FURNISH AND INSTALL FULL DEPTH PLANTER POT PLANTING SOIL WITH 2" LAYER OF WASHED CA-7 FOR SUB-DRAINAGE MEDIA AT BOTTOM OF PLANTER

EXISTING ROUND ROLLED RIM PLANTER POT

NOTE: CONTRACTOR IS TO FURNISH AND INSTALL NEW PLANTER POTS TO MATCH EXISTING IN KIND AND TO COORDINATE WITH OWNER FOR EXISTING PLANTER LOCATIONS.

PLANTER POT

SCALE:NTS

MODEL: Default
 FILE NAME: p:\projects\paw_bentley.com\sh-pw-01\Documents\01_Active Projects\WV-CUS-168112005 - Green Bay Road - Phase II\2-Design\CADD\Plan_Sheets\168112005-sh-b-b-04_K1A.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-487-4600
 WWW.KIMLEY-HORN.COM



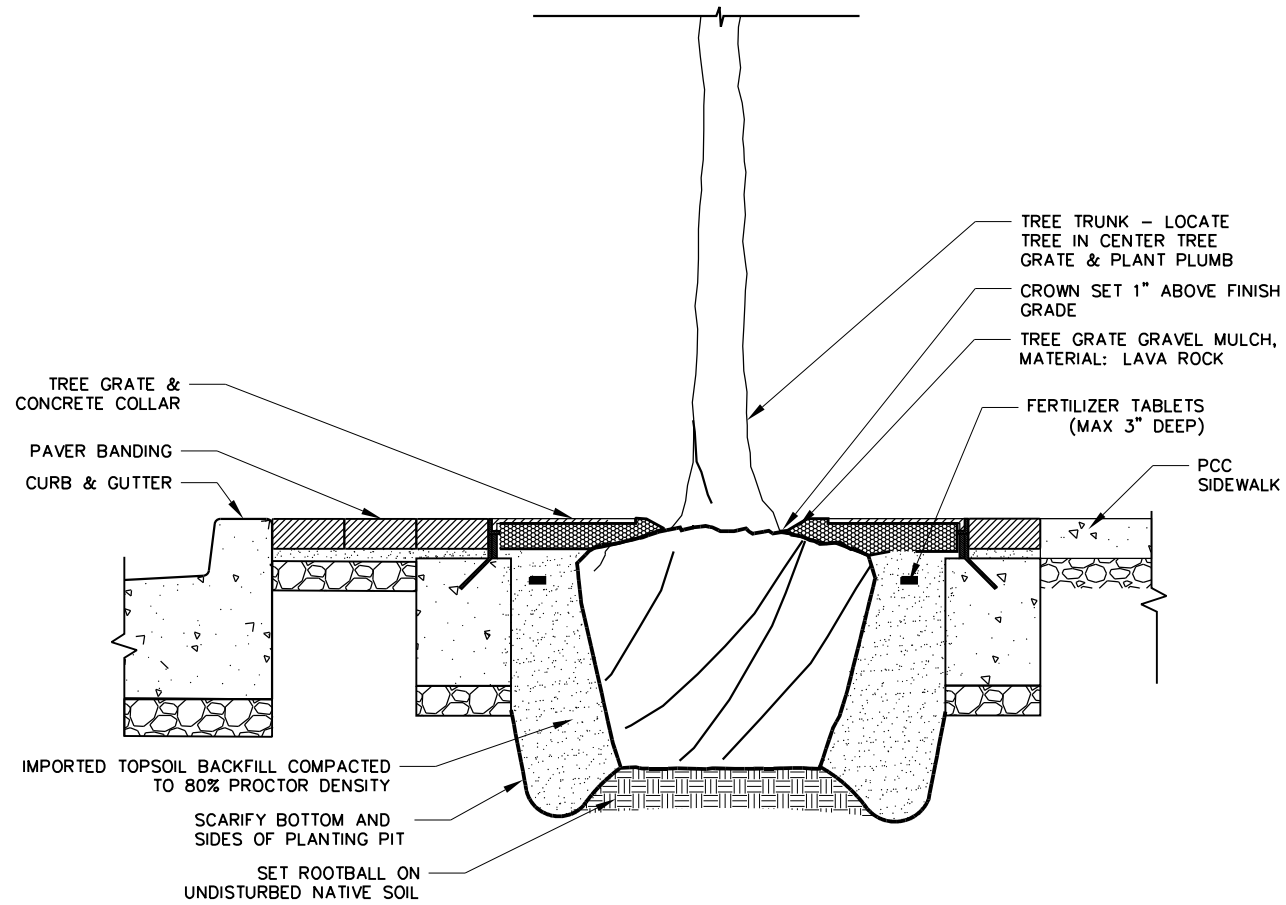
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

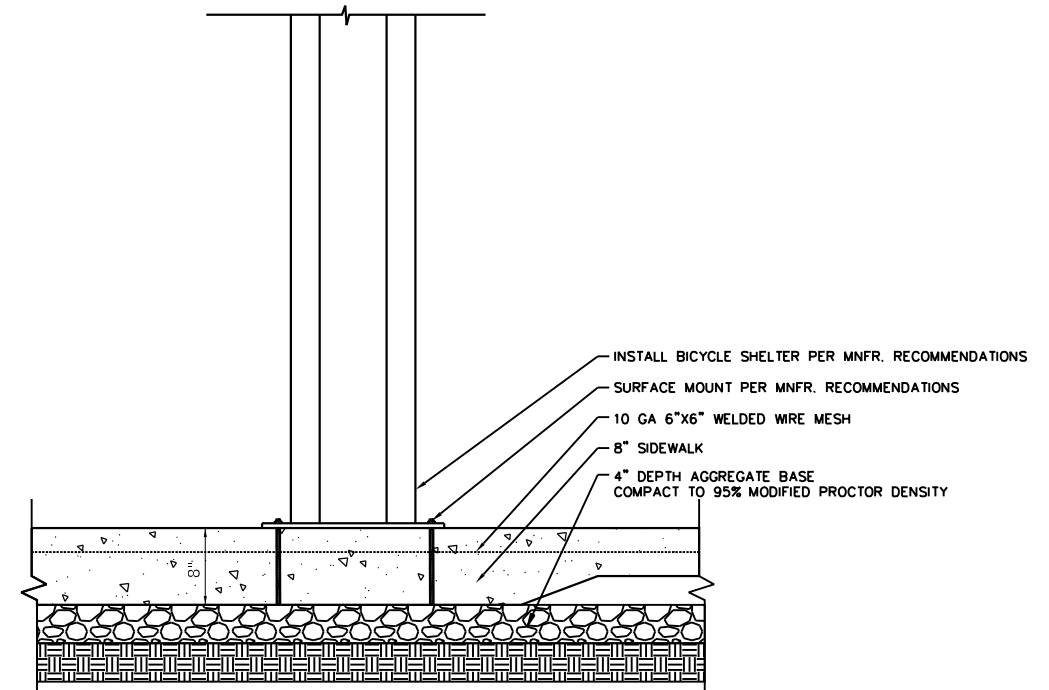
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	118
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



TREE PLANTING IN TREE GRATE

SCALE: NTS



CONCRETE PAVEMENT AT BICYCLE SHELTER

SCALE: NTS

MODEL: Default FILE: h:\mhc\proj\hwy_bentley.com\hwy-01\Documents\01_Active Projects\HW-CHS-168112005 - Green Bay Road - Phase 1B2_Design\CADD\Plan_Sheets\168112005-shb-bede-05_KHA.dgn

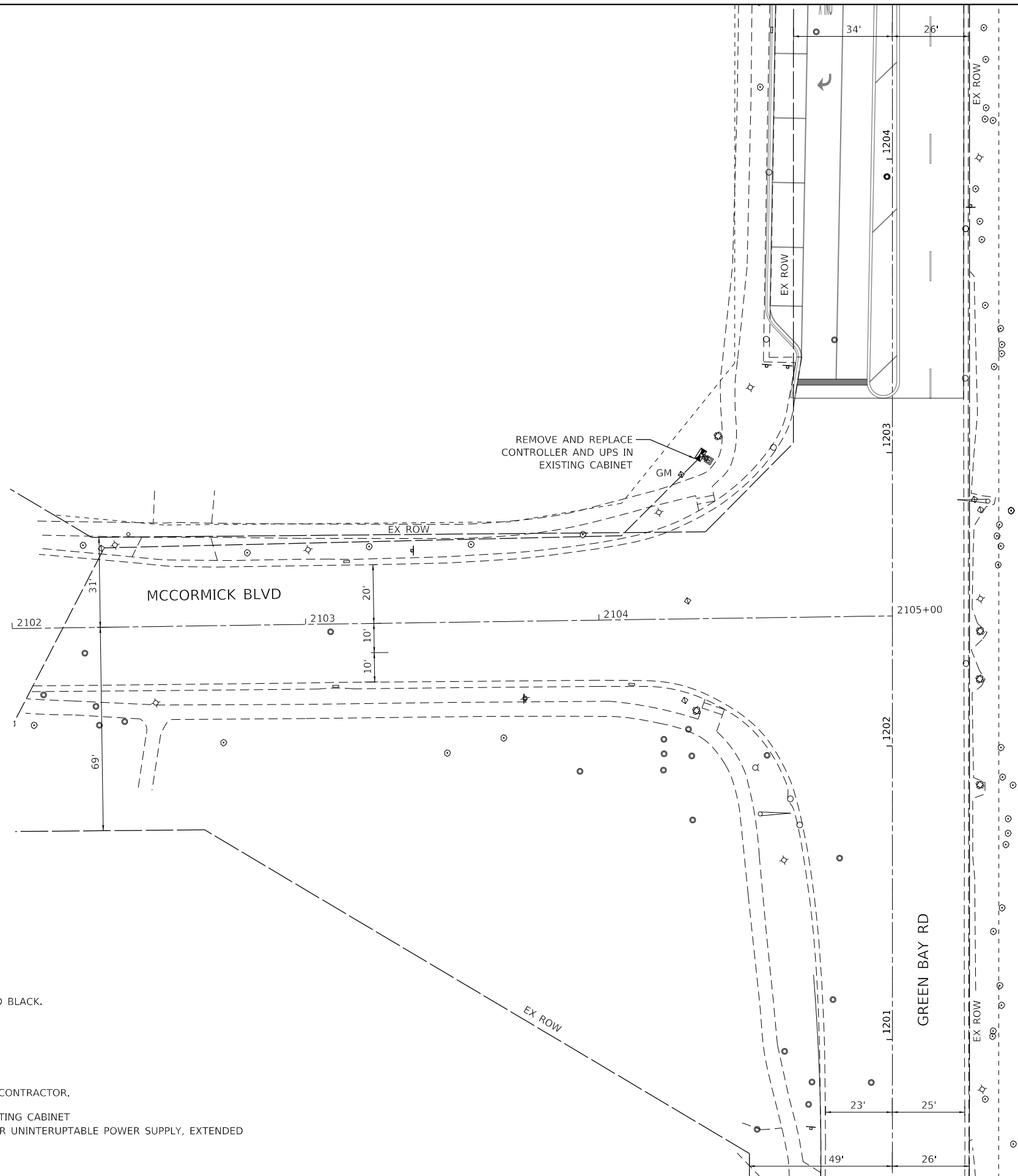


USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

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	119
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

MODEL: Default
 FILE: h:\mhc\p\w\benby.com\h\p\p-01\Documents\01 Active Projects\WV\CHS-168112005 - Green Bay Road - Phase II\2 Design\CAD\Plan Sheets\168112005-shl-tc-pr-cab-00_KHA.dgn



© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-487-6600
 WWW.KIMLEY-HORN.COM

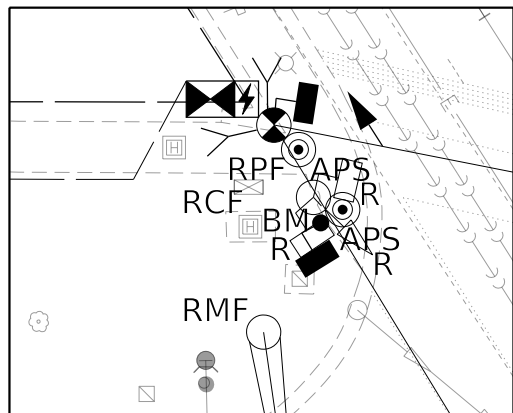
USER NAME = JoelTurk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

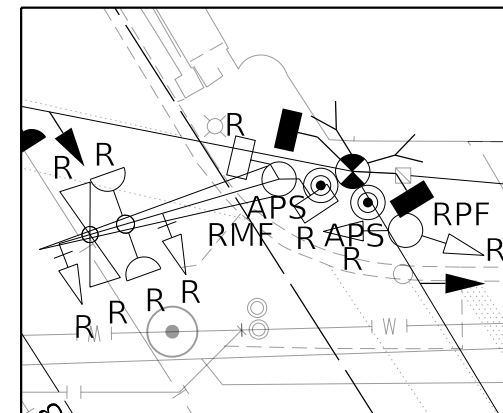
**PROPOSED TRAFFIC SIGNAL PLAN
 GREEN BAY ROAD AND MCCORMICK BOULEVARD**

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

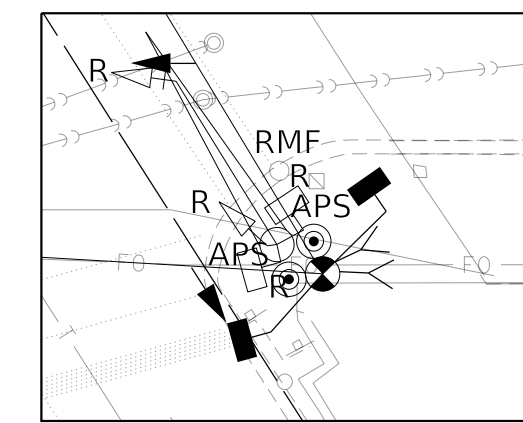
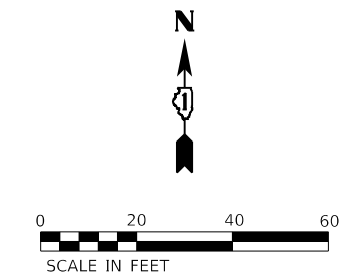
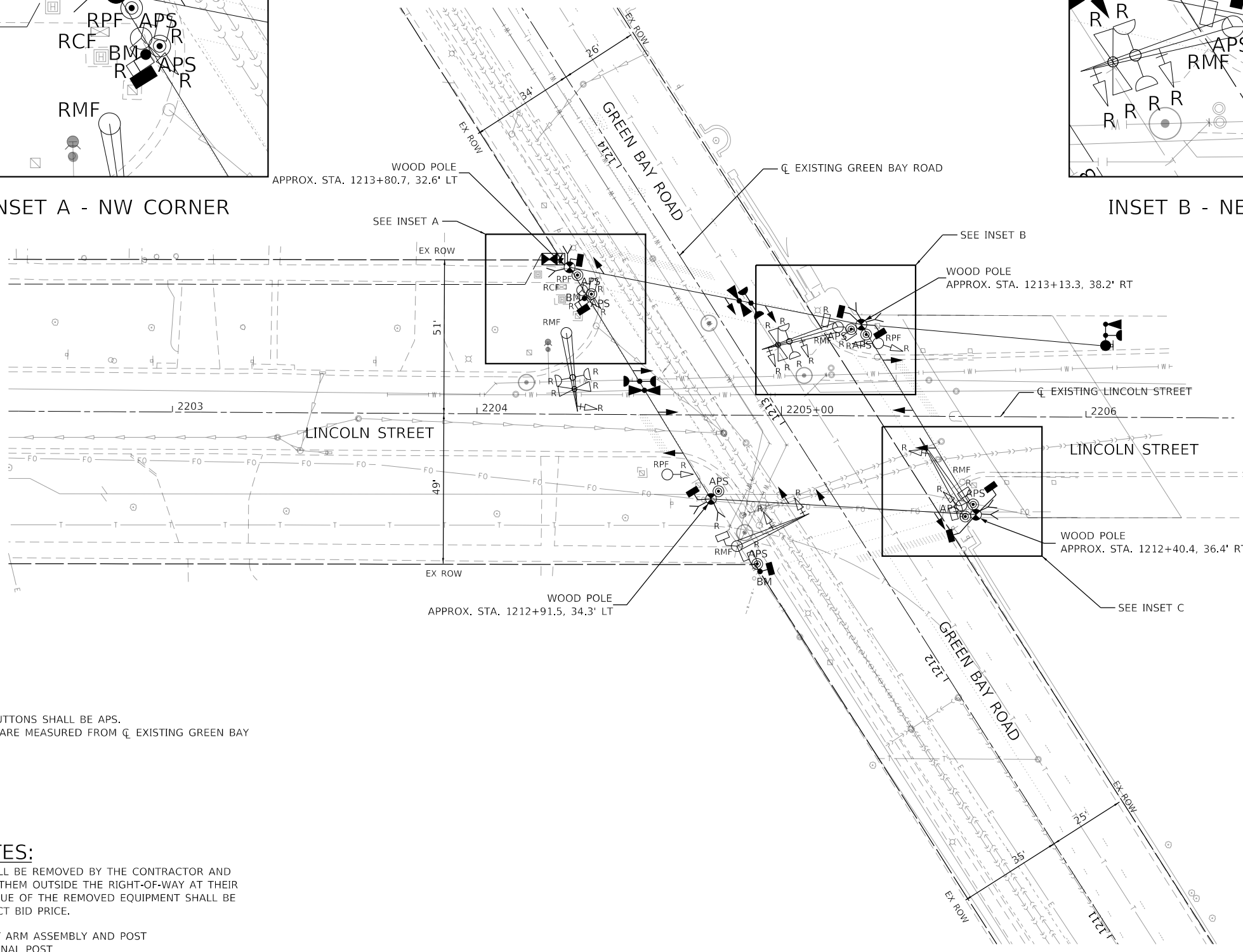
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	123
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



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)

MODEL: Default
 FILE: Main:Project\pdx\hntbv.com\hntbv.com\hntbv.com\hntbv.com\pdx-01\Documents\01_Active Projects\WK-CUS-168112005 - Green Bay Road - Phase 1B2_Design\CADD\Plan Sheets\168112005-sht-t-temp-subs-01_KVA



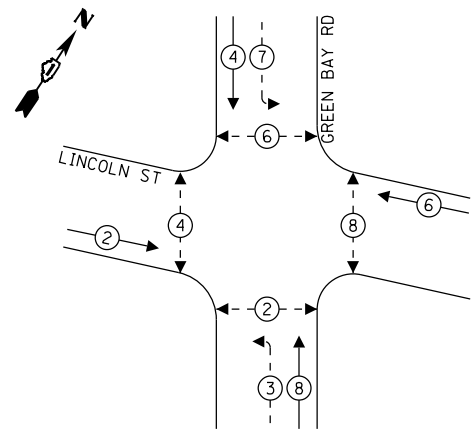
USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - XXX	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

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. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 124
CONTRACT NO. 61K60				
ILLINOIS		FED. AID PROJECT		

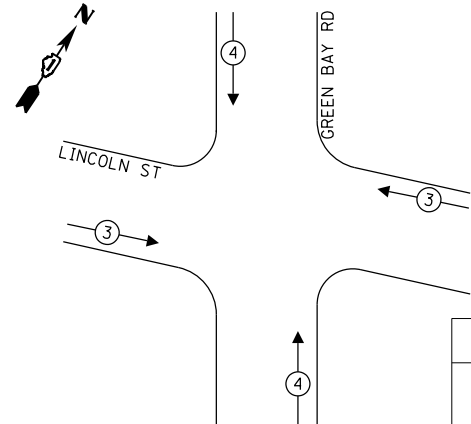
TEMPORARY CONTROLLER SEQUENCE



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

NOTE: TEMPORARY SIGNAL OPERATIONS WILL BE PRE-TIMED

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



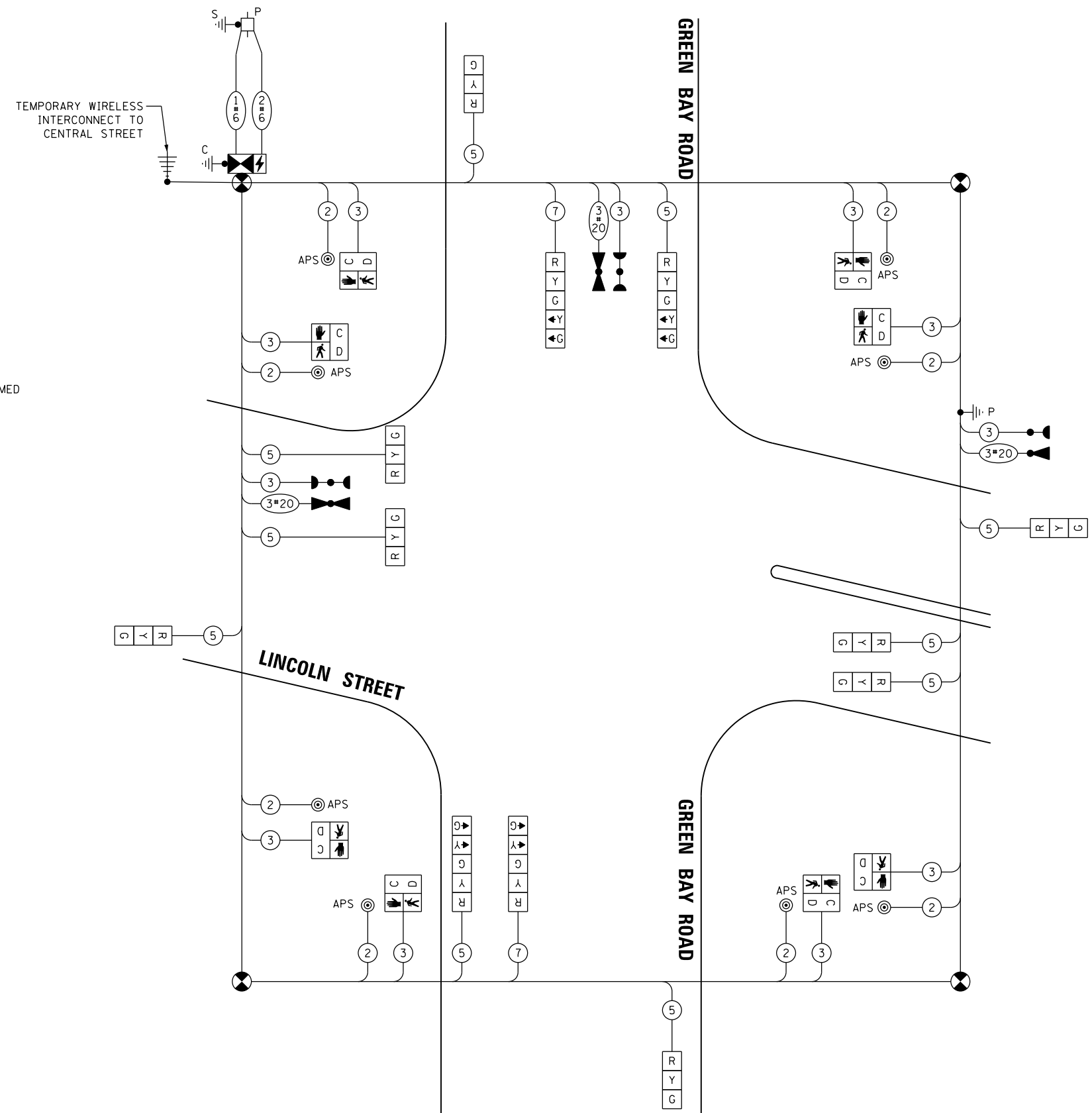
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

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 = Joel Turk	DESIGNED - XXX	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - XXX	REVISED -
PLOT DATE = 7/10/2024	CHECKED - XXX	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

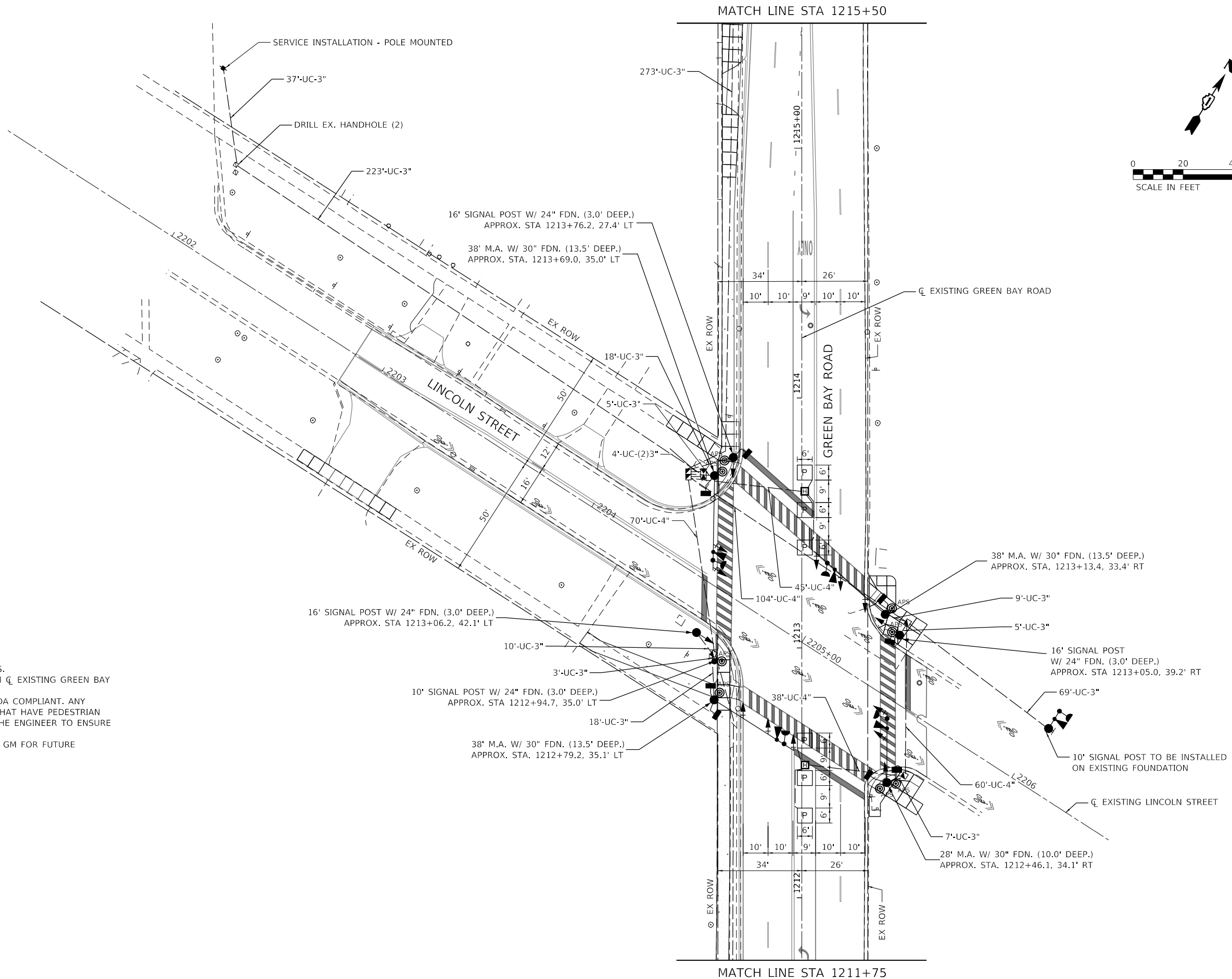
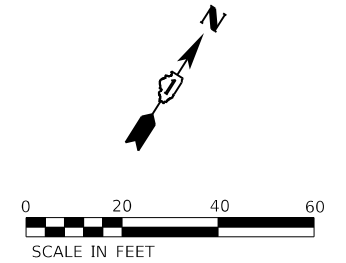
**TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM
GREEN BAY ROAD AND LINCOLN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	125
CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT

MODEL: Default FILE: M:\MCP_2024\19-00285-00-R5\19-00285-00-R5-01\Documents\01_Active\Projects\MK\CHS-168112005 - Green Bay Road - Phase 1B2_Design\CAD\Plan_Sheets\168112005-sht-t-temp-cable-01_KHA



NOTES:

1. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.
2. ALL STATION CALL OUTS ARE MEASURED FROM \bar{C} EXISTING GREEN BAY ROAD.
3. THIS LOCATION HAS BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
4. INCLUDE A 5' STUB OF 2" CONDUIT FROM THE GM FOR FUTURE CONNECTION.

MODEL: Default
 FILE: h:\mhc\p\w\hantley\com\h\p\01\Documents\01 Active Projects\WV\CHS-168112005 - Green Bay Road - Phase B\2_Design\CAD\Plan_Sheets\168112005-ah-ts-pr-cabas-01_KHA



© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6600
 WWW.KIMLEY-HORN.COM

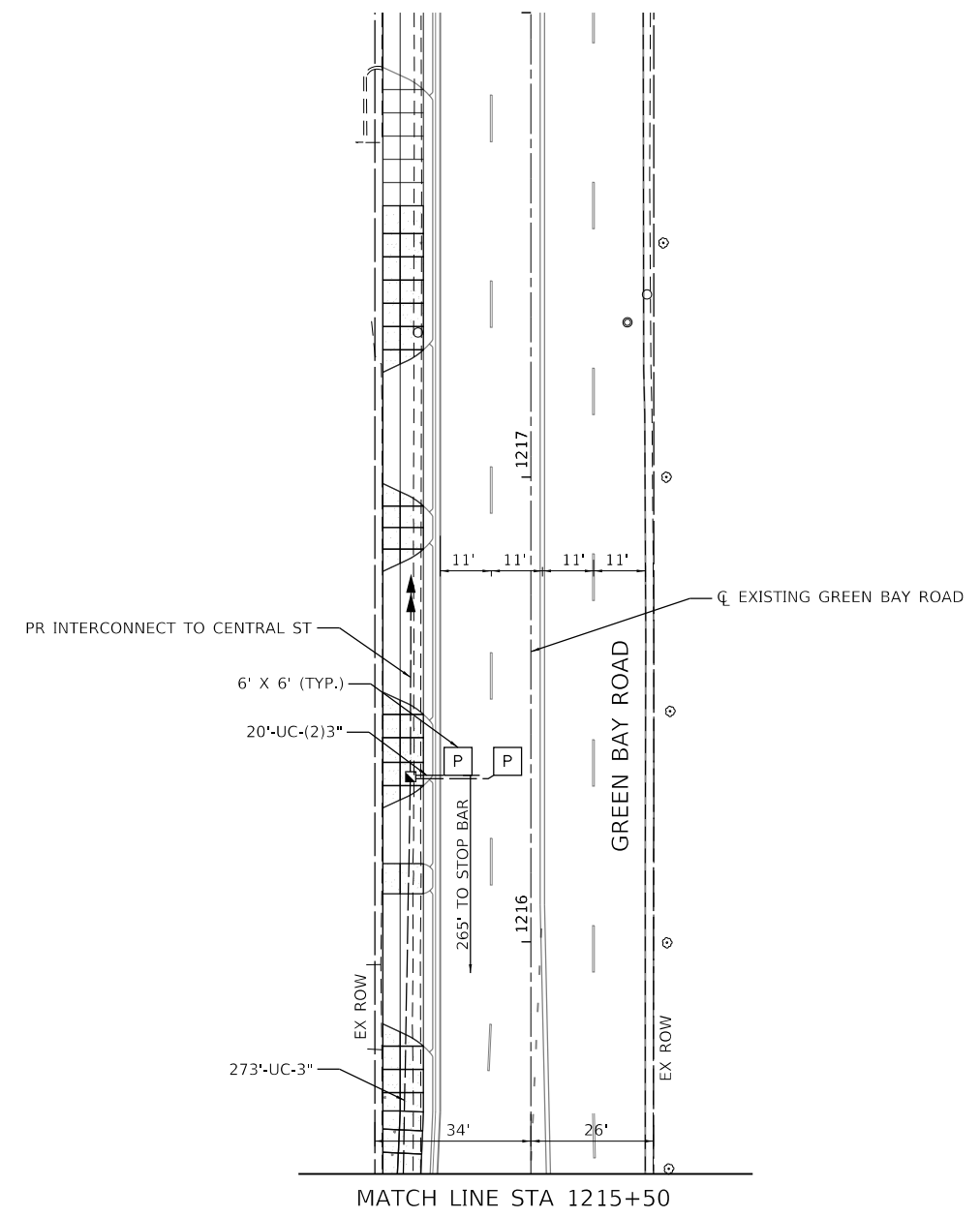
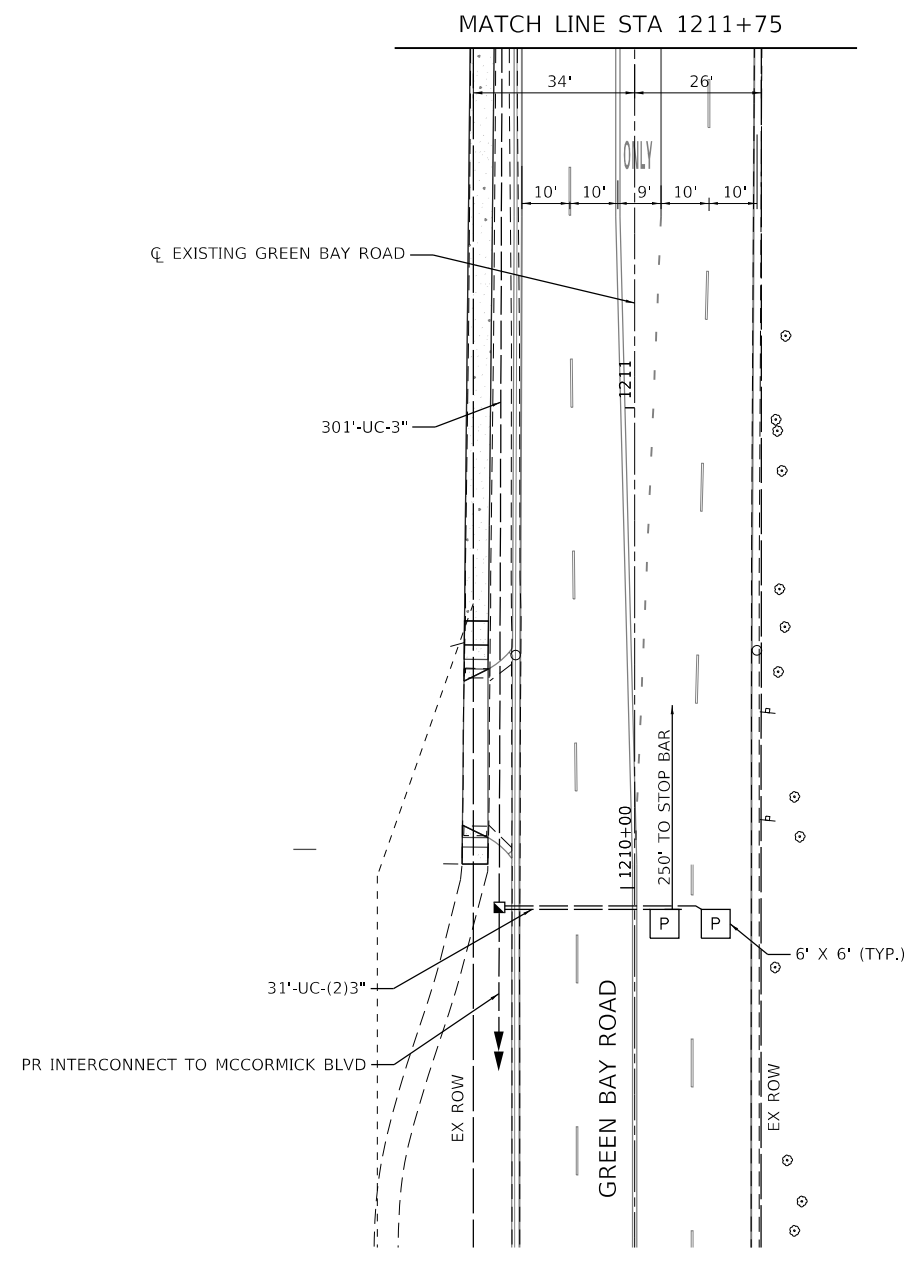
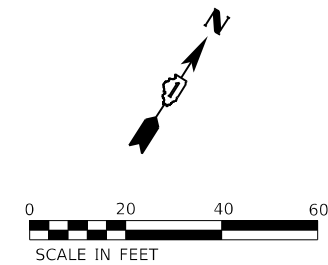
USER NAME = JoelTurk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
 GREEN BAY ROAD AND LINCOLN STREET**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	126
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE: \\blm\c:\pwworking\kimley-horn.com\blm\p\01\Documents\01 Active Projects\WW\CHS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Plan_Sheets\168112005-shs-168112005-01A_KH.dgn



USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

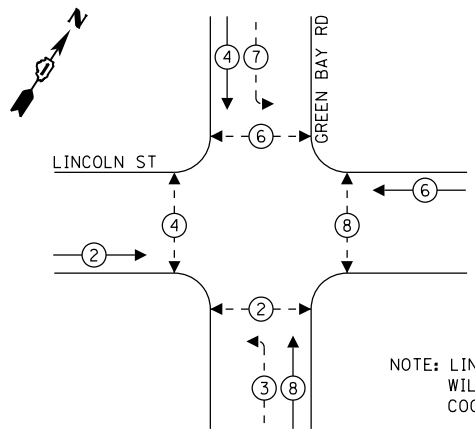
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLAN
GREEN BAY ROAD AND LINCOLN STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	127
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

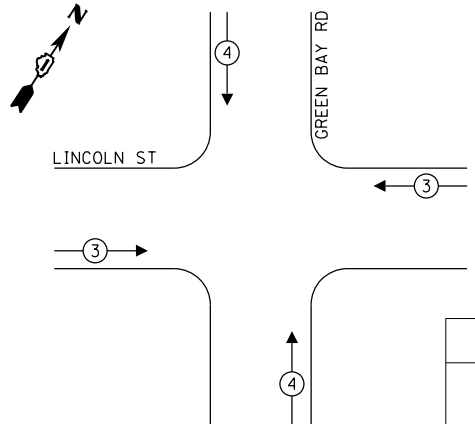
PROPOSED CONTROLLER SEQUENCE



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



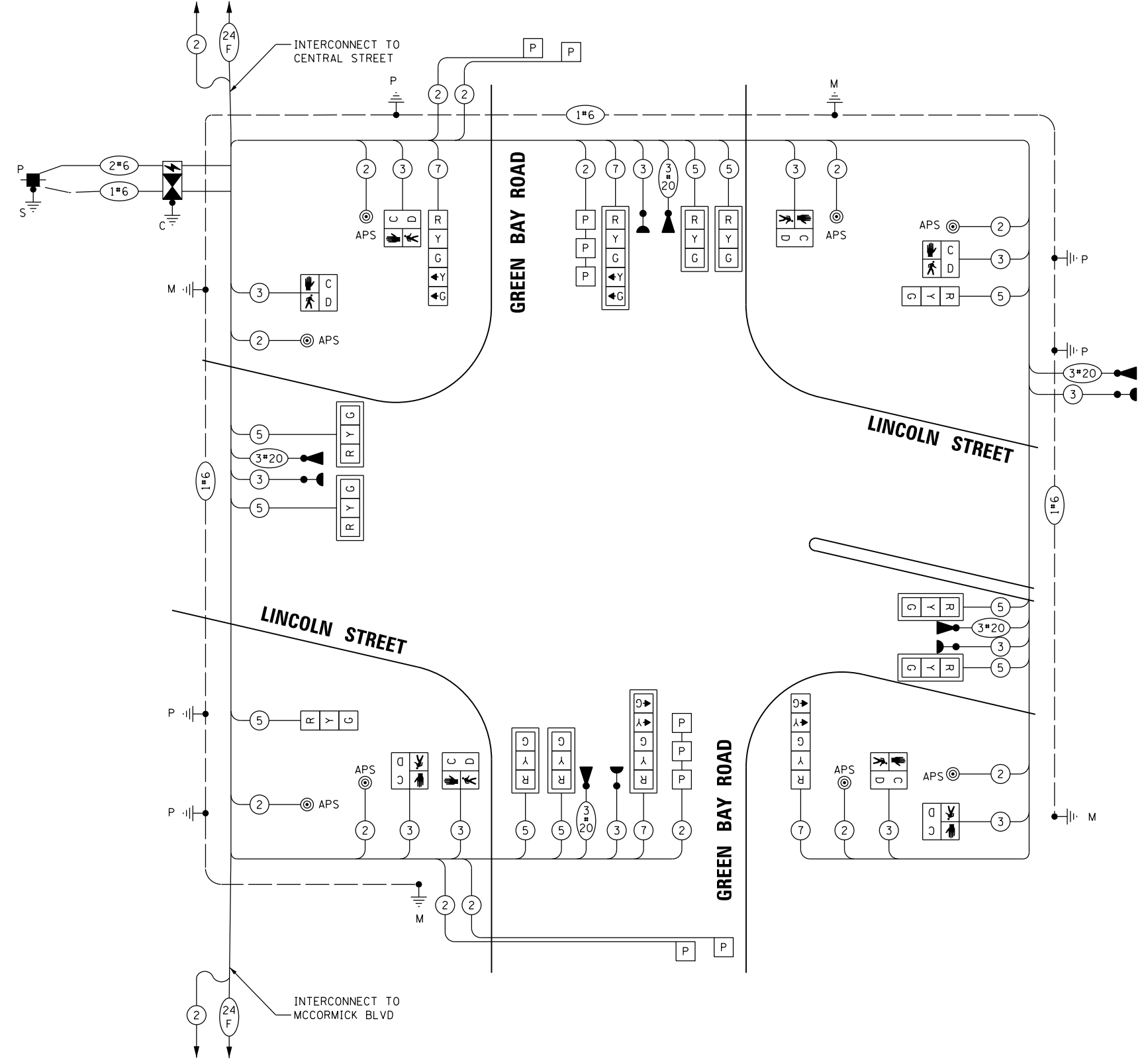
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

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

SCALE: SHEET OF SHEETS STA. TO STA.

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



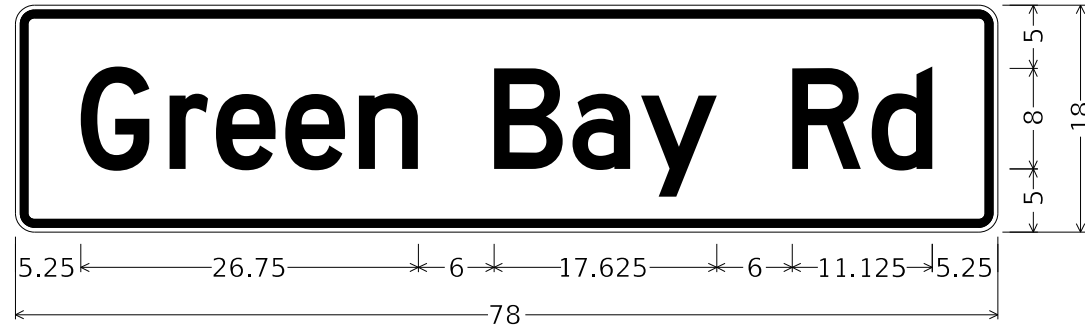
USER NAME = JoelTurk
 DESIGNED - XXX
 DRAWN - XXX
 PLOT SCALE = 2,000' / in.
 CHECKED - XXX
 DATE -
 REVISIONS -

DESIGNED - XXX
 DRAWN - XXX
 CHECKED - XXX
 DATE -

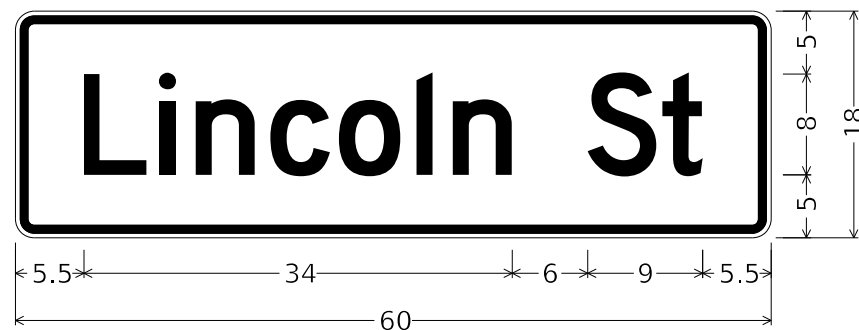
MODEL: Default
 FILE: M:\Projects\19-00285-00-R5\19-00285-00-R5-01\Drawings\19-00285-00-R5-01-128.dwg
 PROJECT: 19-00285-00-R5
 SHEET: 19-00285-00-R5-01-128.dwg
 DATE: 7/10/2024
 TIME: 10:47:45 AM
 USER: joel.turk

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

MODEL: Default
 FILE: \\nas101.pw.kimley-horn.com\pwr\01\Documents\01_Active Projects\WW-CUS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Draw_Sheets\168112005-21t-2-pr-pro-01_KHA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60555
 PHONE: 630-487-4600
 WWW.KIMLEY-HORN.COM



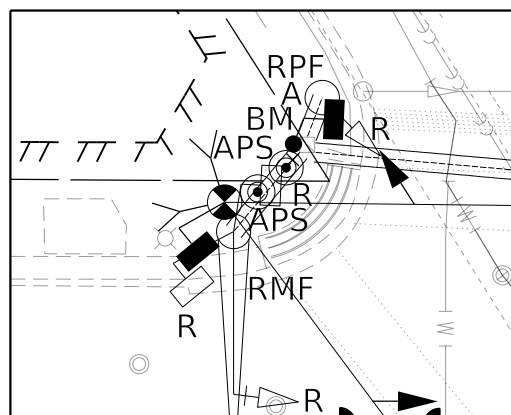
USER NAME = JoelTurk	DESIGNED - XXX	REVISED -
PLOT SCALE = 2,0000' / 1" =	CHECKED - XXX	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

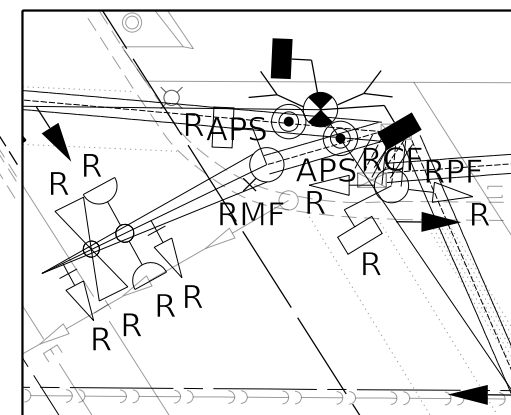
**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
GREEN BAY ROAD AND LINCOLN STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

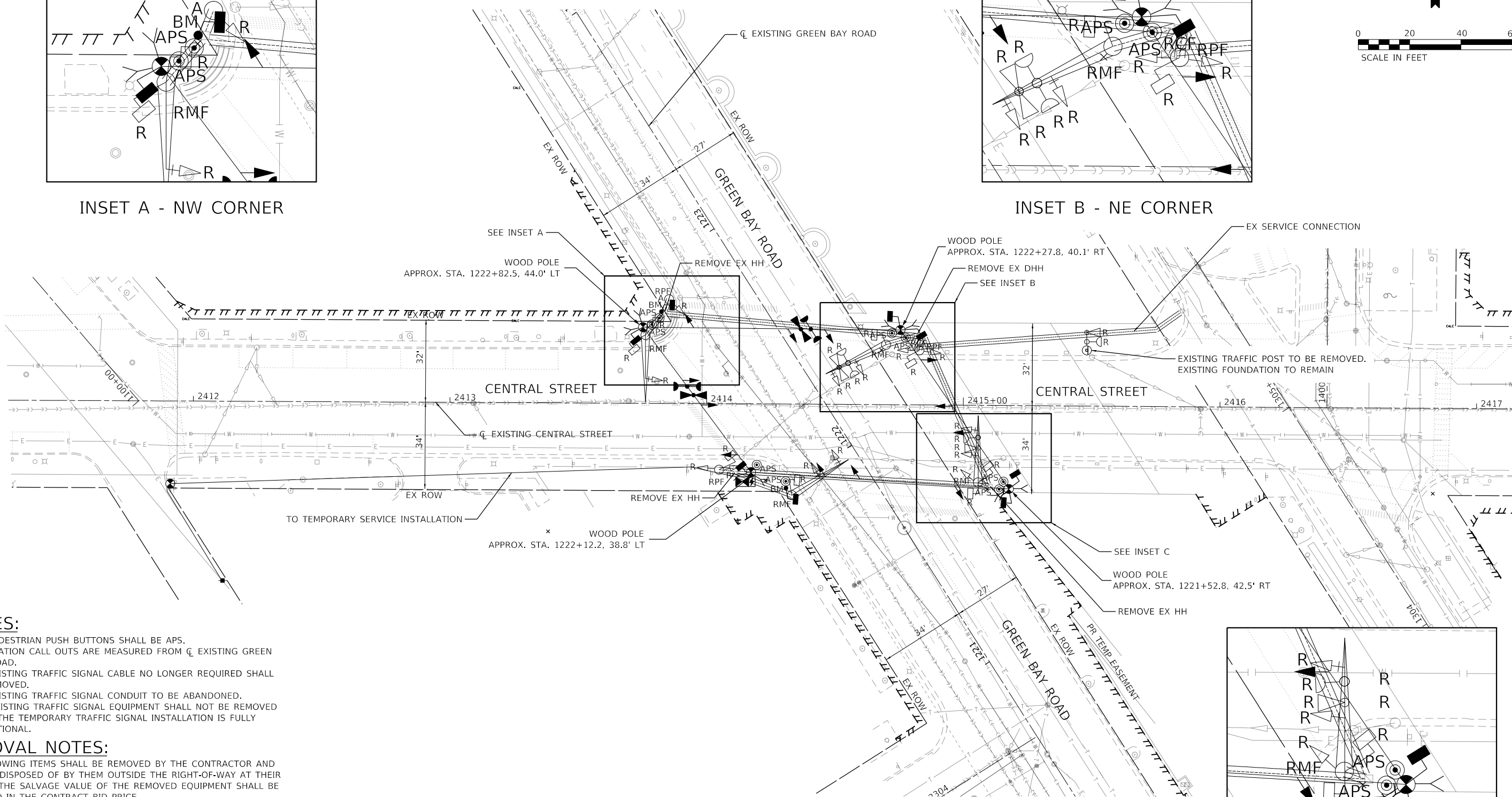
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	129
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



INSET A - NW CORNER



INSET B - NE CORNER



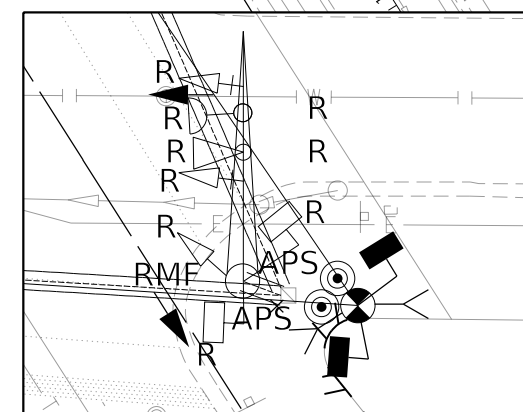
NOTES:

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



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

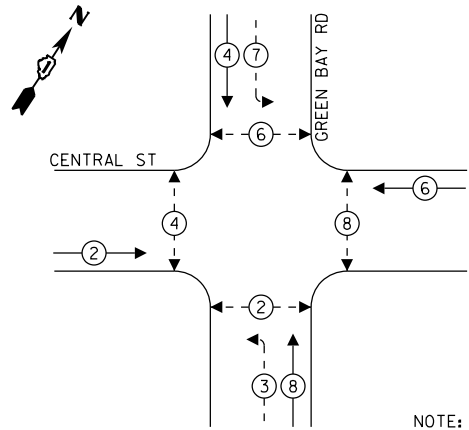
SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

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

MODEL: Default FILE: \\mch-pw-bentley.com\hpc\p-01\Documents\01_Active_Projects\MW-CUS-168112005 - Green Bay Road - Phase 1B2_Design\CADD\Plan_Sheets\168112005-sht-ts-temp-subs-02_KHA.dgn

TEMPORARY CONTROLLER SEQUENCE

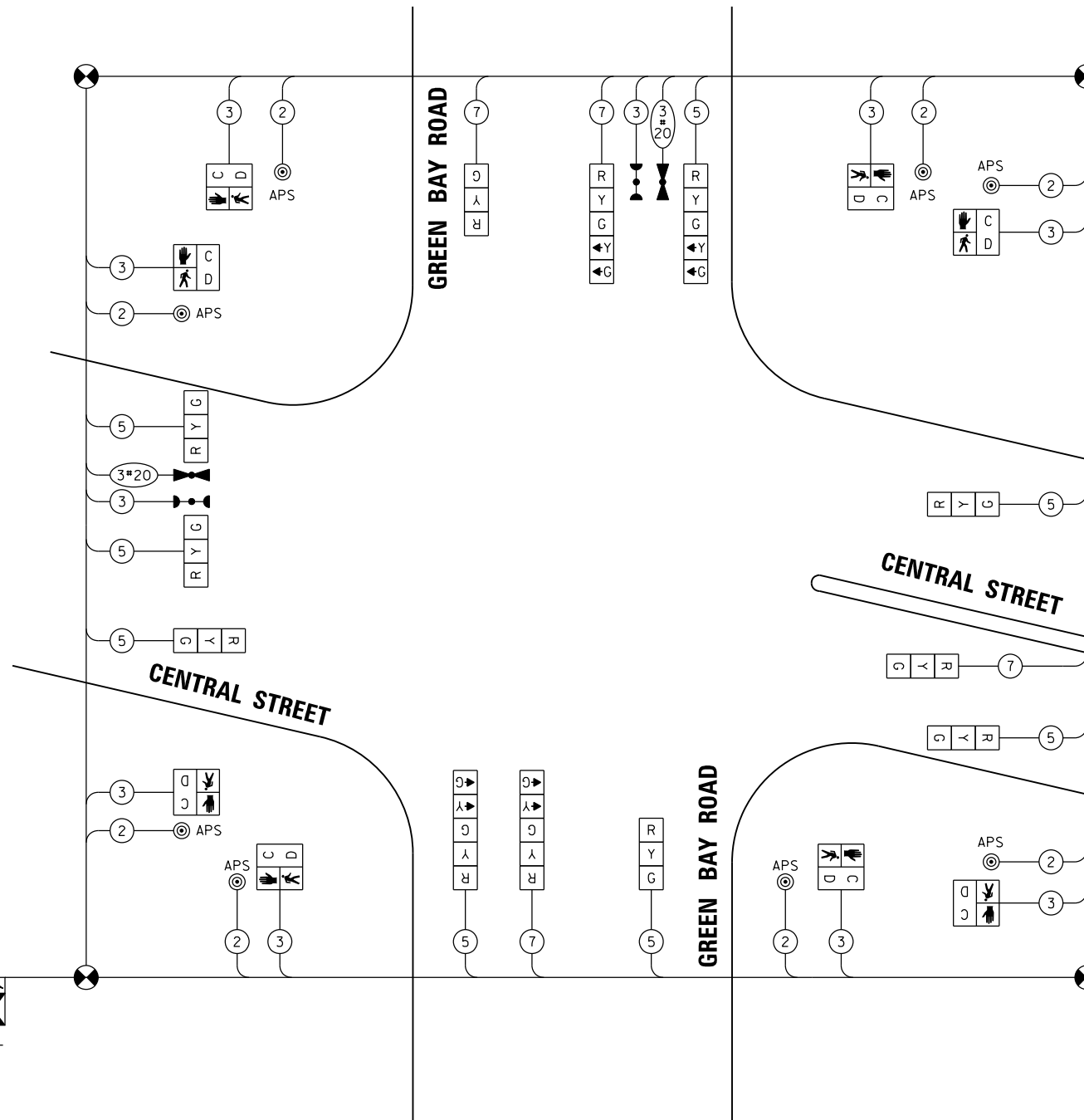
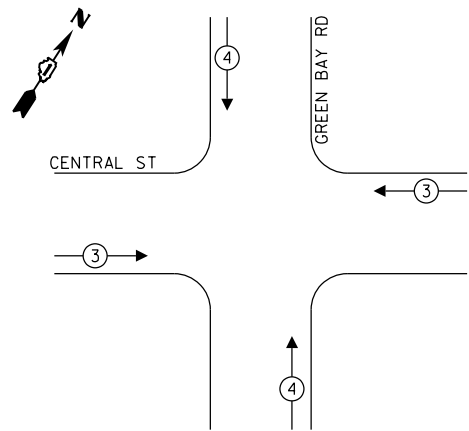


LEGEND:

- ← (*) → 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	88
4-SECTION	-	14	-
5-SECTION	4	13	52
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 RADAR OR VIDE	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR I	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



© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630-471-6500
WWW.KIMLEY-HORN.COM

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

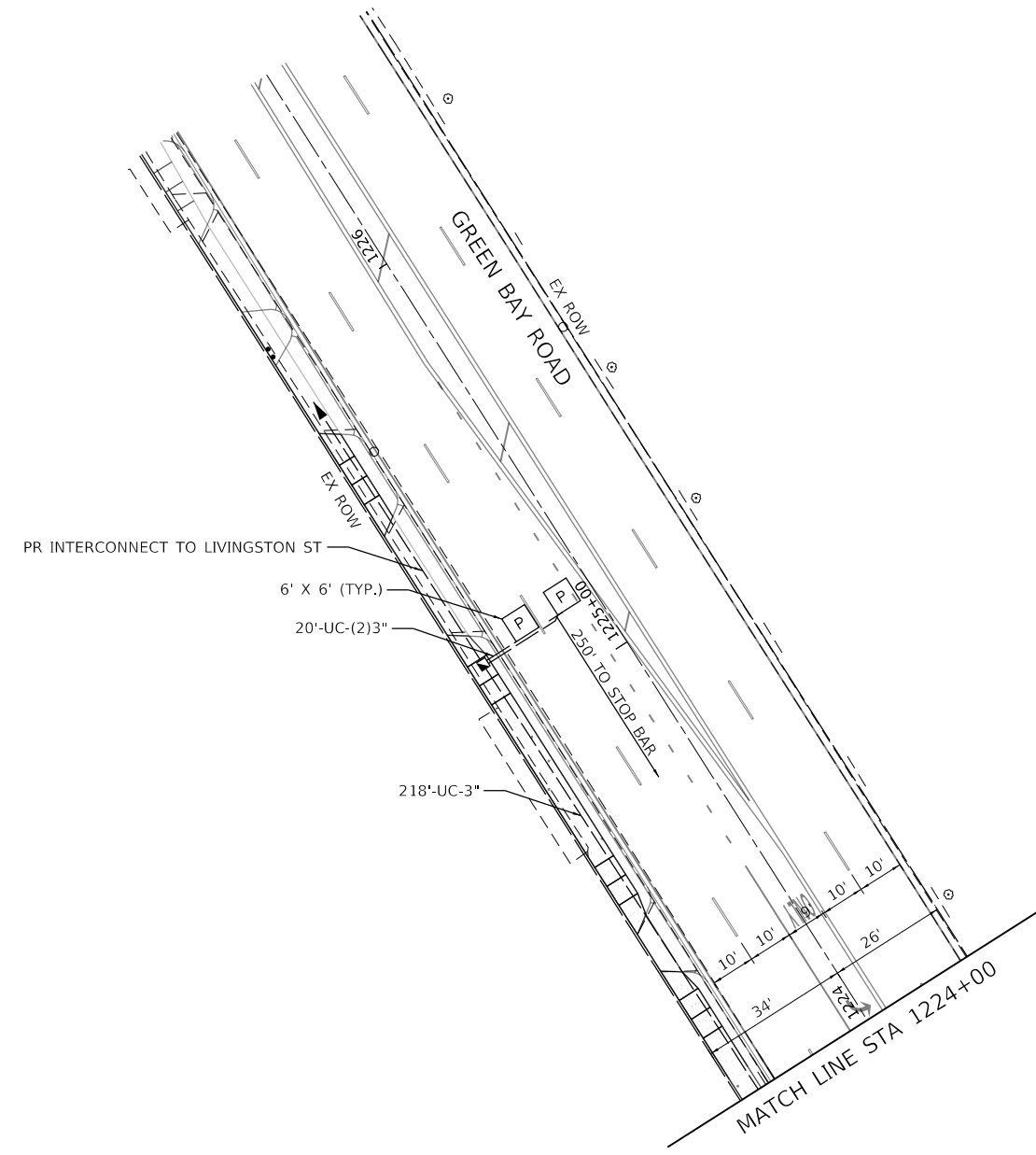
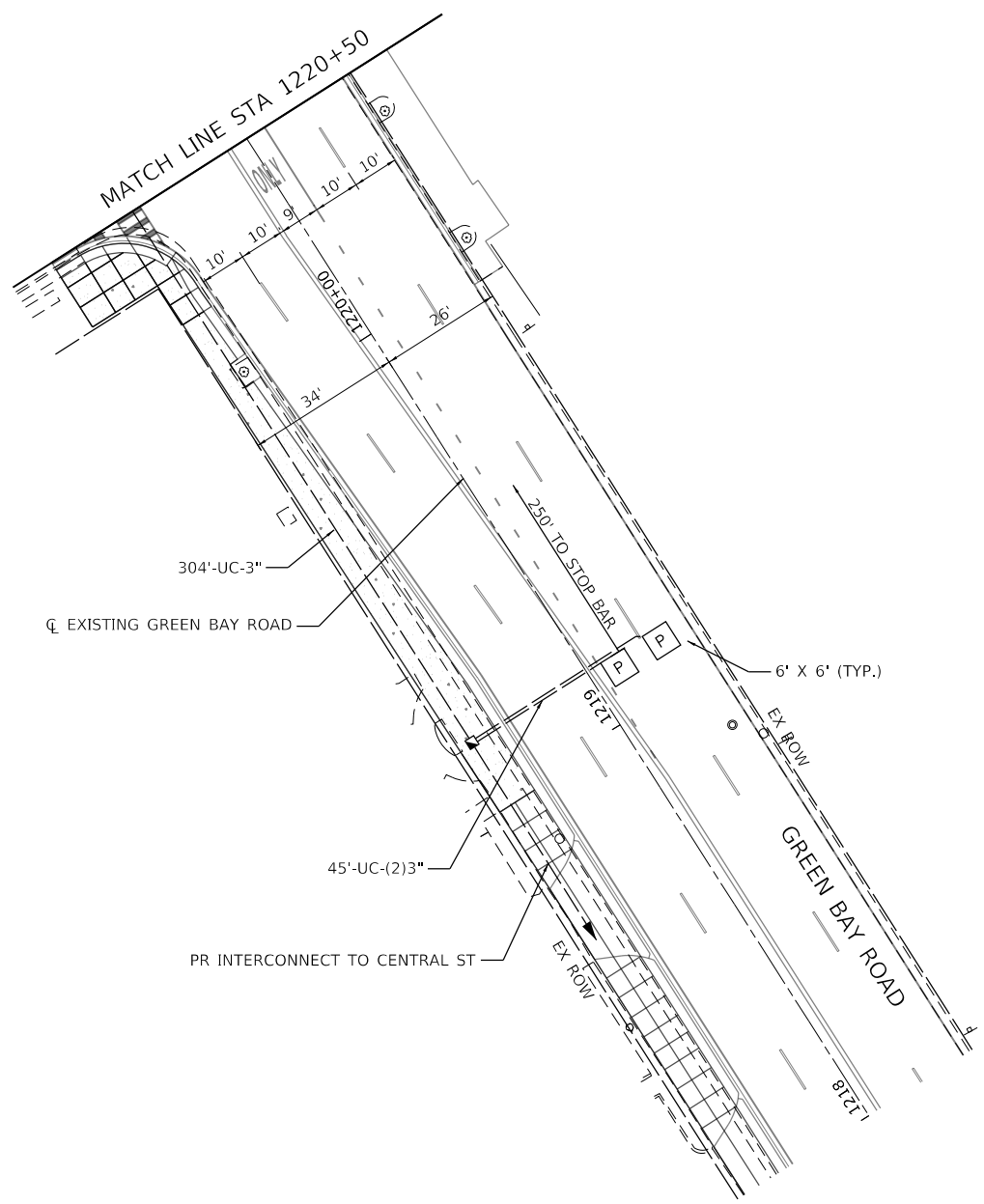
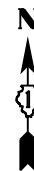
**TEMPORARY CABLE PLAN AND TEMPORARY
PHASE DESIGNATION DIAGRAM
GREEN BAY ROAD AND CENTRAL STREET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 131
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

TS 13510

MODEL: Default
FILE: M:\MCP - Projects\p12\hwy\evanston\evanston\11\Documents\01_Active\Projects\MW\CHS-168112005 - Green Bay Road - Phase B12_Design\CADD\Plan_Sheets\168112005-sht-t-temp-cable-02_KHL.dgn



MODEL: Default
 FILE: \\nas01.cim.psu.bentley.com\psu-01\Documents\01 Active Projects\MW\CHS-168112005 - Green Bay Road - Phase II\2 Design\CAD\Plan_Sheets\168112005-ahb-tp-cr-subs-02A_KHA.dgn



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

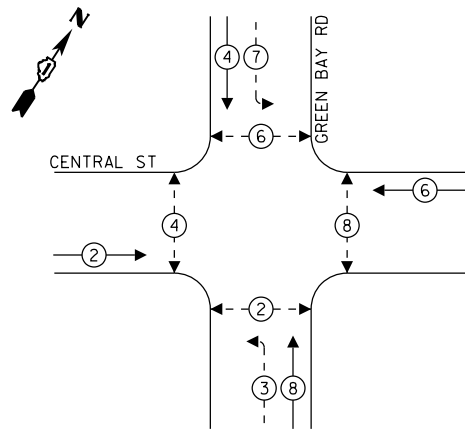
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	133
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

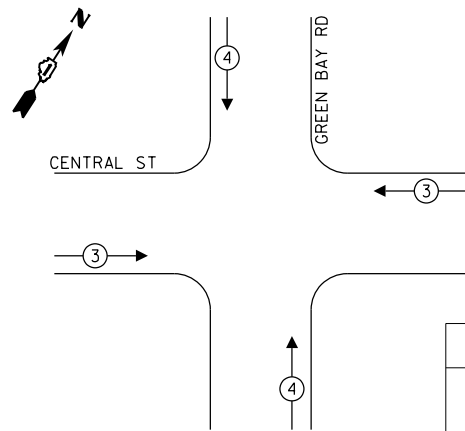
TS 13510

PROPOSED CONTROLLER SEQUENCE



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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



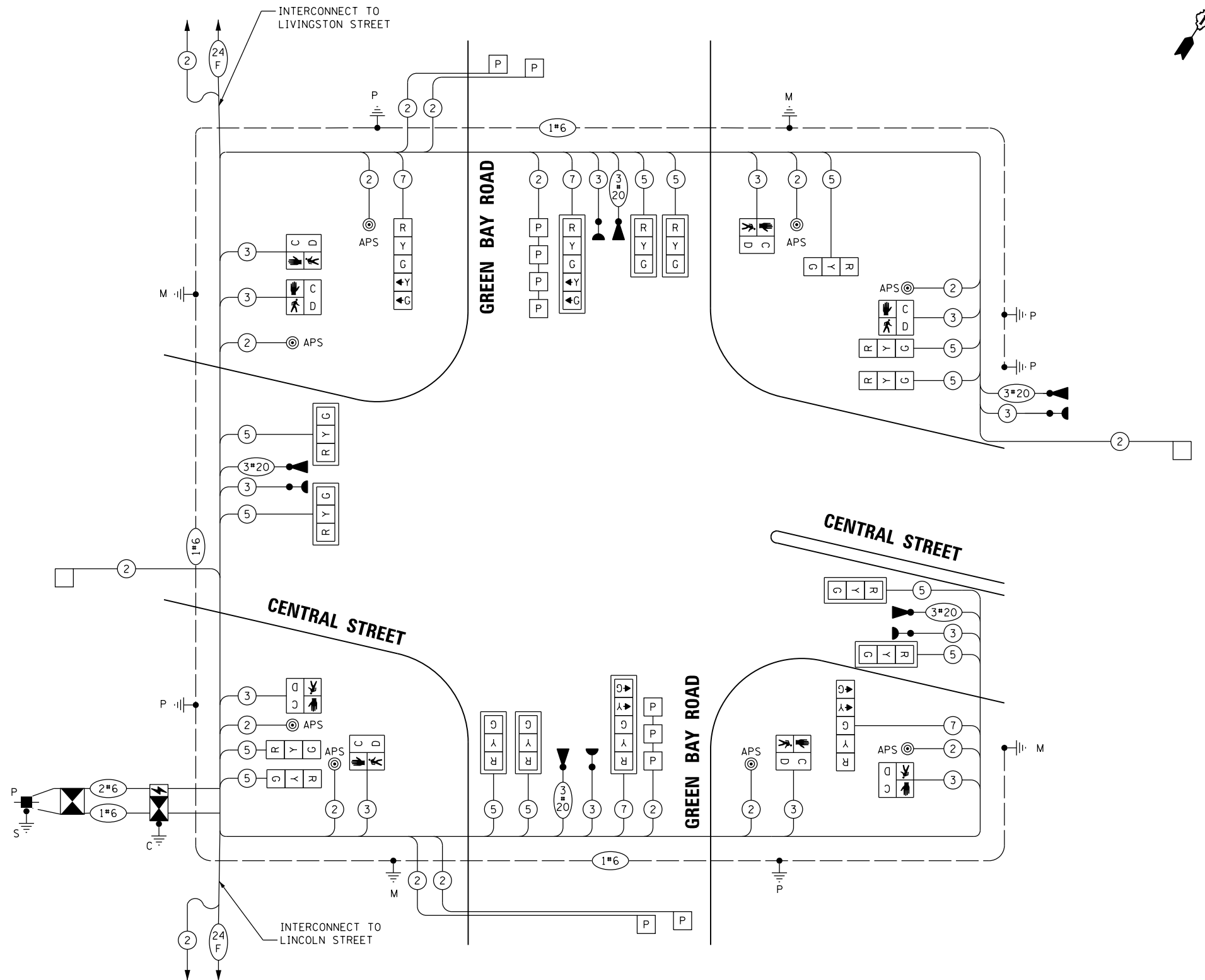
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	← →	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	13	11	143
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 VIDE	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR I	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		605	
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		1270	

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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
GREEN BAY ROAD AND CENTRAL 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	134
CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT

TS 13510

Kimley-Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINDFLO ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630-487-6600
WWW.KIMLEY-HORN.COM

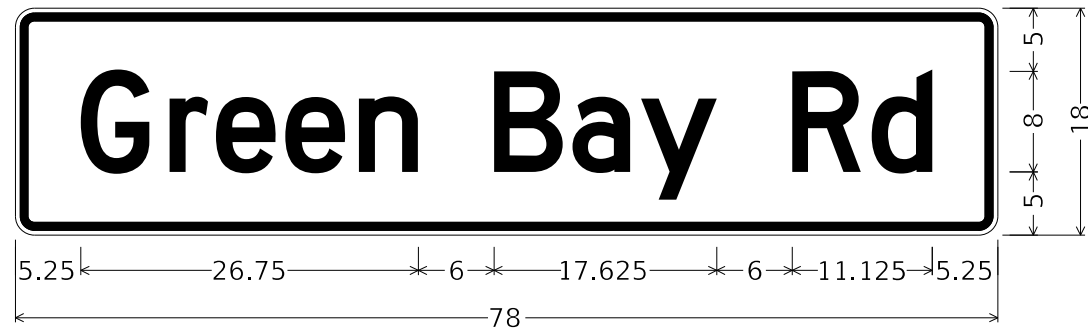
USER NAME = olivia.elgazar
DESIGNED - XXX
DRAWN - XXX
PLOT SCALE = 2,000' / in.
CHECKED - XXX
DATE = 7/10/2024
REVISD -

DESIGNED - XXX
DRAWN - XXX
CHECKED - XXX
DATE = 7/10/2024
REVISD -

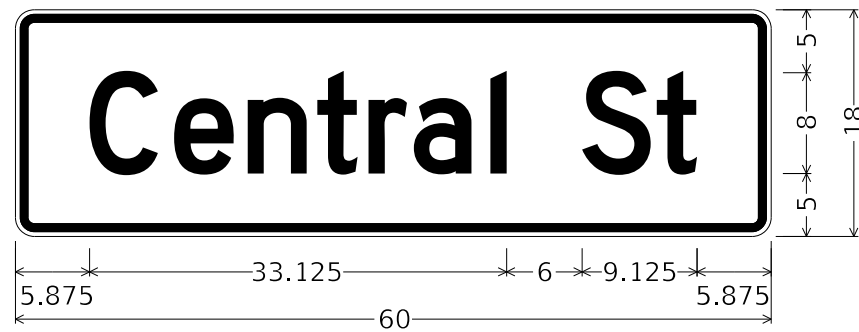
MODEL: Default FILE: M:\Projects\2024\19-00285-00-R5\19-00285-00-R5-001.dwg Phase: B2 - Design\CAD\Plan_Sheets\168112005-sht-cs-pr-cable-02_KH.dgn

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

MODEL: Default FILE: \\nas101\pub\pwbentley.com\shp\pwb-01\Documents\01 Active Projects\MK-CUS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Plan_Sheets\168112005-shr-ts-pr-000-02_KHA.dgn



© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630-487-4600
WWW.KIMLEY-HORN.COM

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

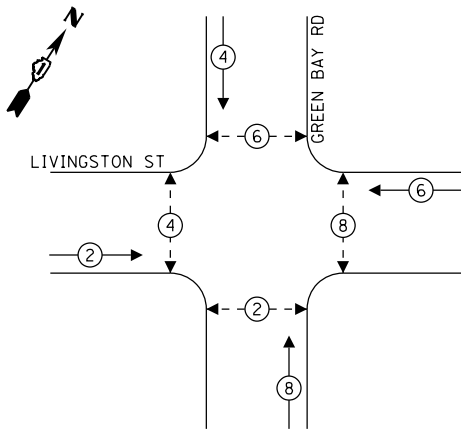
MAST ARM MOUNTED STREET NAME SIGNS AND
SCHEDULE OF QUANTITIES
GREEN BAY ROAD AND CENTRAL STREET

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

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

TS 13510

TEMPORARY CONTROLLER SEQUENCE

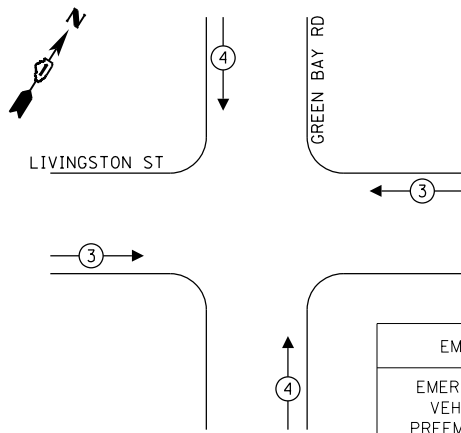


LEGEND:

- ← (⊛) ← PROTECTED PHASE
- ← (⊛) ← PROTECTED/PERMITTED PHASE
- ← (⊛) ← PEDESTRIAN PHASE

NOTE: TEMPORARY SIGNAL OPERATIONS WILL BE PRE-TIMED

**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



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

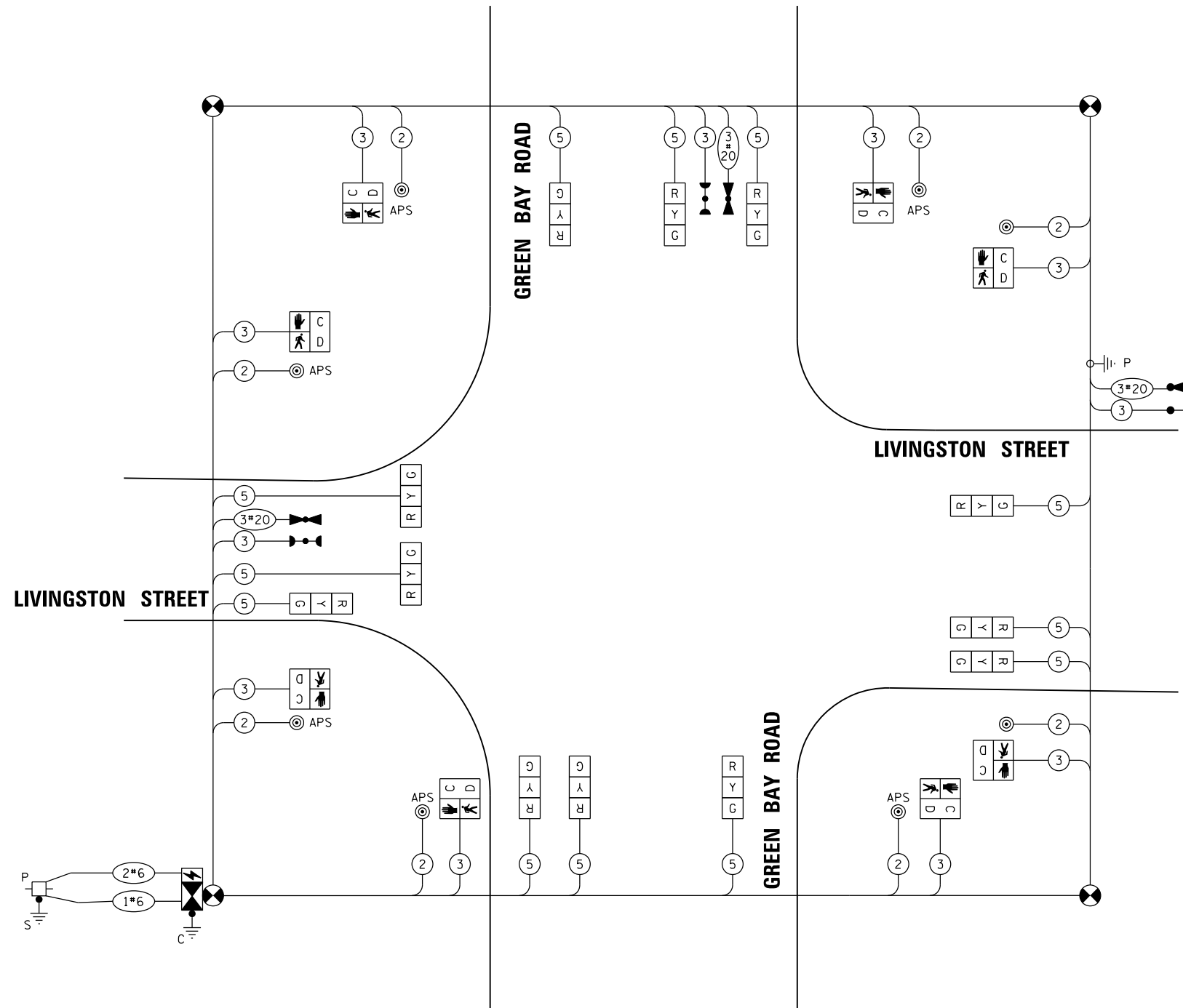
ENERGY SUPPLY: COMPANY: COMED
PHONE: 847-921-7629
ACCOUNT NUMBER: 04590-93148

Kimley-Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 400 WINDFLO ROAD, SUITE 600 WARRENVILLE, IL 60550 PHONE: 630-487-6500 WWW.KIMLEY-HORN.COM	USER NAME = JoelTurk	DESIGNED - XXX	REVISED -
	PLOT SCALE = 2,000' / 1" =	CHECKED - XXX	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

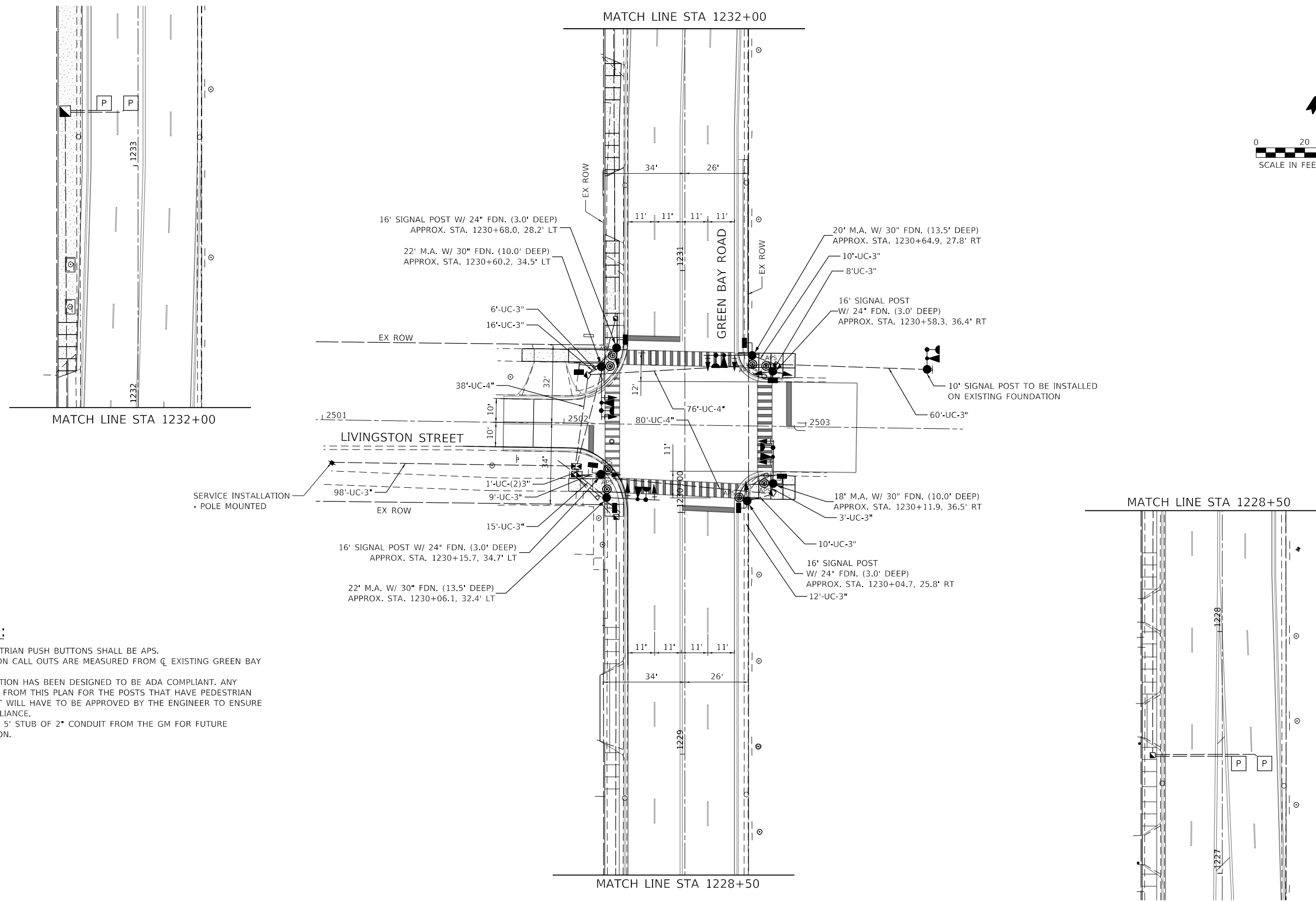
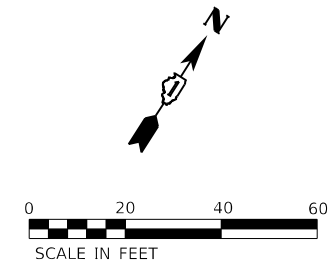
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	137
CONTRACT NO. 61K60				
ILLINOIS		FED. AID PROJECT		



TEMPORARY CABLE PLAN

(NOT TO SCALE)

MODEL: Default
FILE: M:\MHC_Plan\Bentley\comp\shp\shp-01\Documents\01_Active\Projects\MHC\GIS_168112005 - Green Bay Road - Phase 1B2_Design\CADD\Plan_Sheets\168112005-shp-1-temp-cable-03_KIM.dgn



NOTES:

- 1. ALL PEDESTRIAN PUSH BUTTONS SHALL BE APS.
- 2. ALL STATION CALL OUTS ARE MEASURED FROM ϕ EXISTING GREEN BAY ROAD.
- 3. THIS LOCATION HAS BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
- 4. INCLUDE A 5' STUB OF 2" CONDUIT FROM THE GM FOR FUTURE CONNECTION.

MODEL: Default
FILE: \\nas02\proj\sub\pwr\benfey.com\shp\p-01\Documents\01 Active Projects\WV\CHS-168112005 - Green Bay Road - Phase B\2 - Design\CAD\Plan_Sheets\168112005-sht-ts-pr-sabm-03_KVA



© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630.487.4600
WWW.KIMLEY-HORN.COM

USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

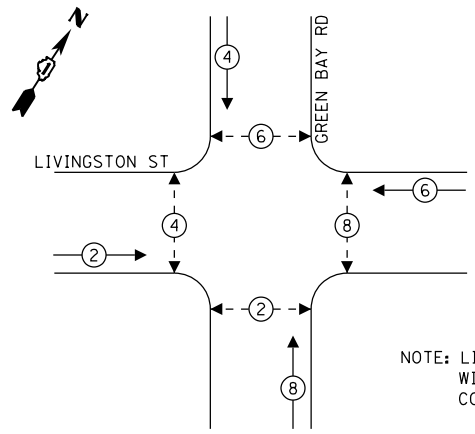
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
GREEN BAY ROAD AND LIVINGSTON 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	138
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE

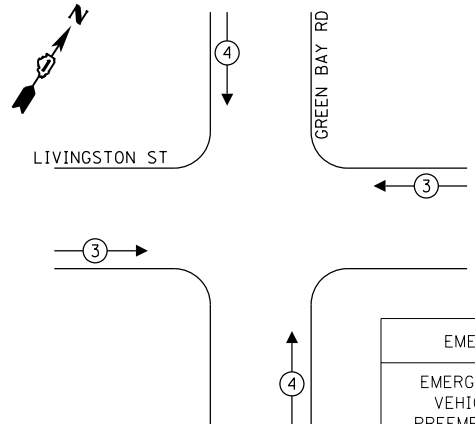


LEGEND:

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

NOTE: LIVINGSTON 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

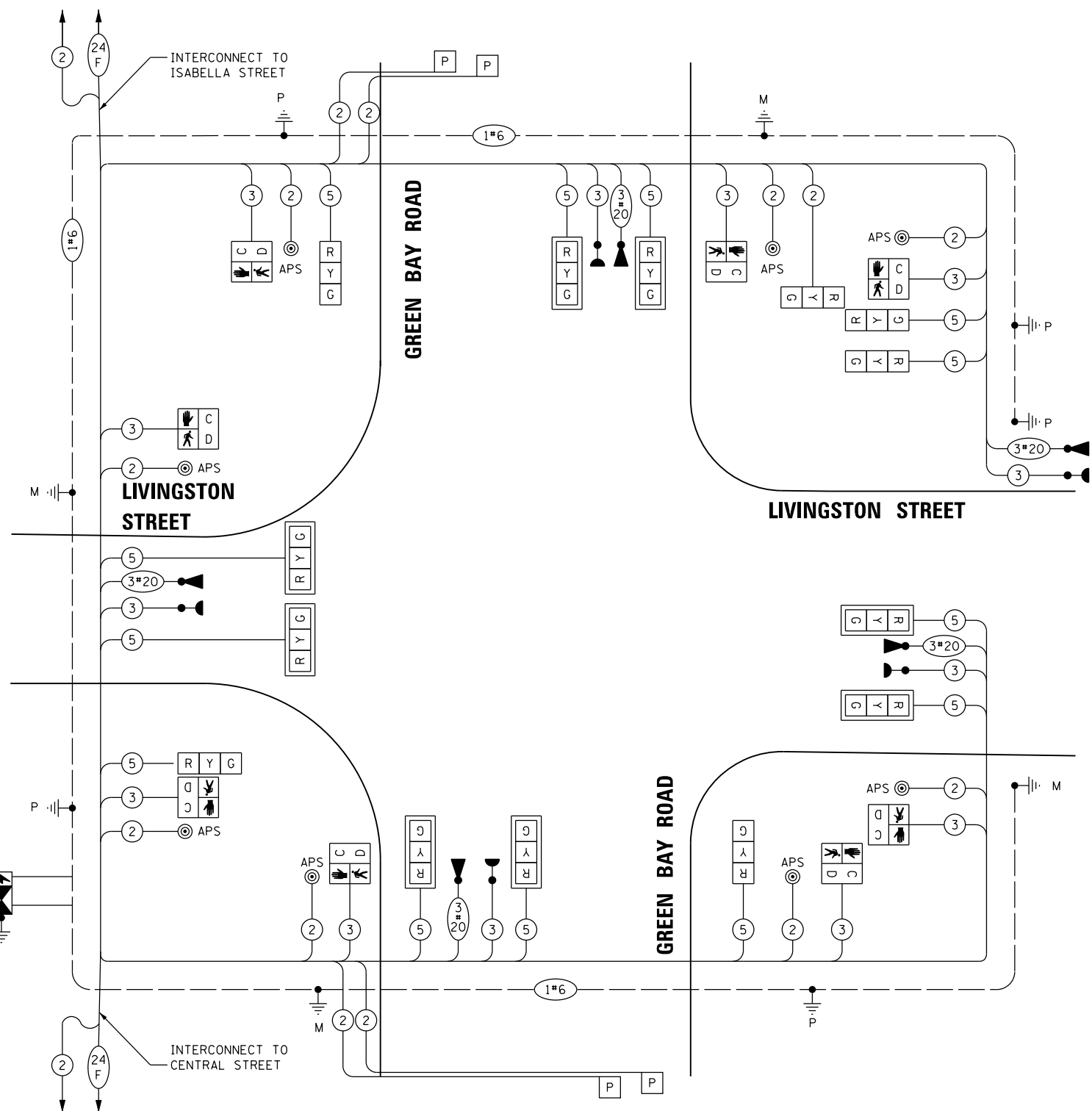
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	4	20	80
BLANK-OUT 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

NOTES

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



PROPOSED CABLE PLAN

(NOT TO SCALE)

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				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



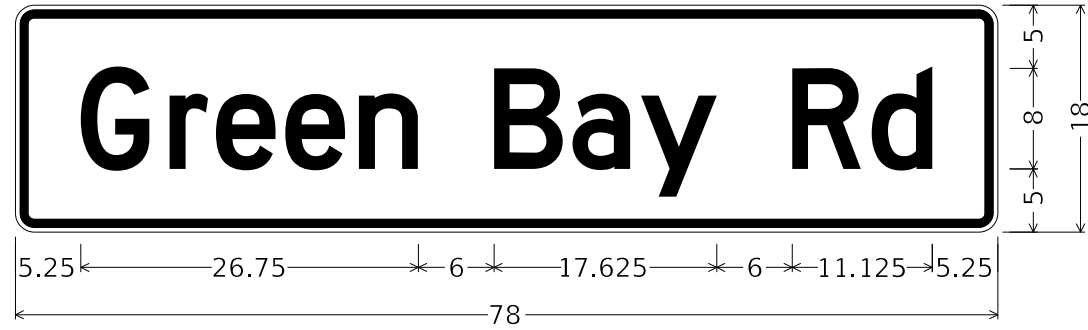
USER NAME = JoelTurk
DESIGNED - XXX
DRAWN - XXX
PLOT SCALE = 2,000' / 1" in.
CHECKED - XXX
PLOT DATE = 7/10/2024
DATE -

REVISIONS:
REVISED -
REVISED -
REVISED -
REVISED -

MODEL: Default FILE: M:\Projects\19-00285-00-R5\11\Documents\01_Active\Projects\MK\CHS-168112005 - Green Bay Road - Phase 1B2_Design\CADD\Plan_Sheets\168112005-sht-15-pr-cable-03.kpl.dgn

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

MODEL: Default FILE: M:\GIS_Plan\Bentley.com\sh-pw-01\Documents\01 Active Projects\WV\CHS-168112005 - Green Bay Road - Phase 1B2 Design\CADD\Plan_Sheets\168112005-sh-ct-pr-000-03_KVA.dgn



© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINDFIELD ROAD, SUITE 600
WARRENVILLE, IL 60550
PHONE: 630-471-4600
WWW.KIMLEY-HORN.COM

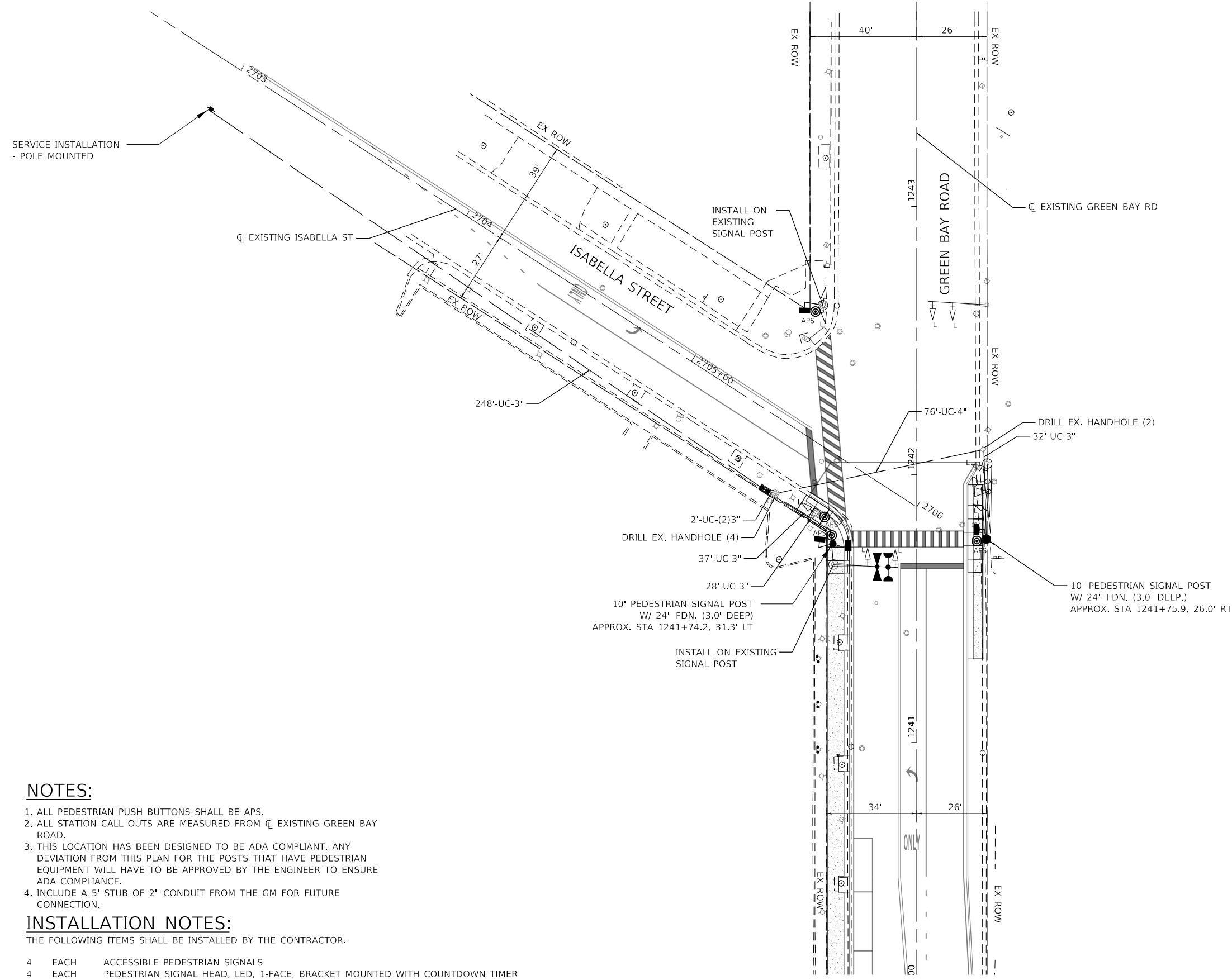
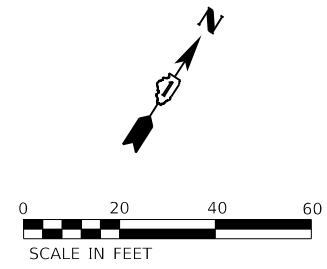
USER NAME = JoelTurk	DESIGNED - XXX	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - XXX	REVISED -
PLOT DATE = 7/10/2024	CHECKED - XXX	REVISED -
	DATE -	REVISED -

**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 CL EXISTING GREEN BAY ROAD.
- 3. THIS LOCATION HAS BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.
- 4. INCLUDE A 5' STUB OF 2" CONDUIT FROM THE GM FOR FUTURE CONNECTION.

INSTALLATION NOTES:

THE FOLLOWING ITEMS SHALL BE INSTALLED BY THE CONTRACTOR.

- 4 EACH ACCESSIBLE PEDESTRIAN SIGNALS
- 4 EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
- 1 EACH TRAFFIC SIGNAL POST, 10 FT.
- 1 EACH EMERGENCY VEHICLE LIGHT DETECTOR / CONFIRMATION BEACON
- 1 EACH CONTROLLER CABINET

MODEL: Default
 FILE: h:\mhc\p\w\hantley\com\shp\p\p\01\Documents\01_Active Projects\WV\CHS-168112005 - Green Bay Road - Phase 1B2_Design\CADD\Plan_Sheets\168112005-shp-tc-pr-cabin-04_KVA



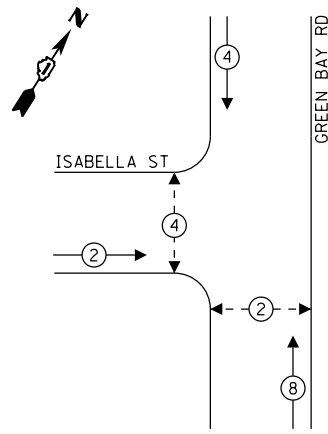
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TRAFFIC SIGNAL 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	142
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE

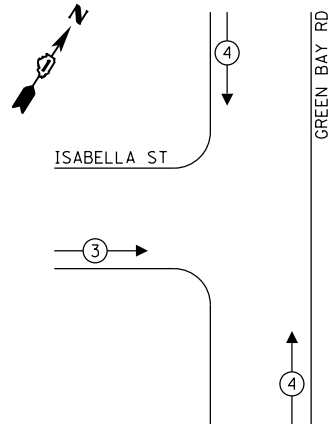


LEGEND:

- ← (⊙) ← 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



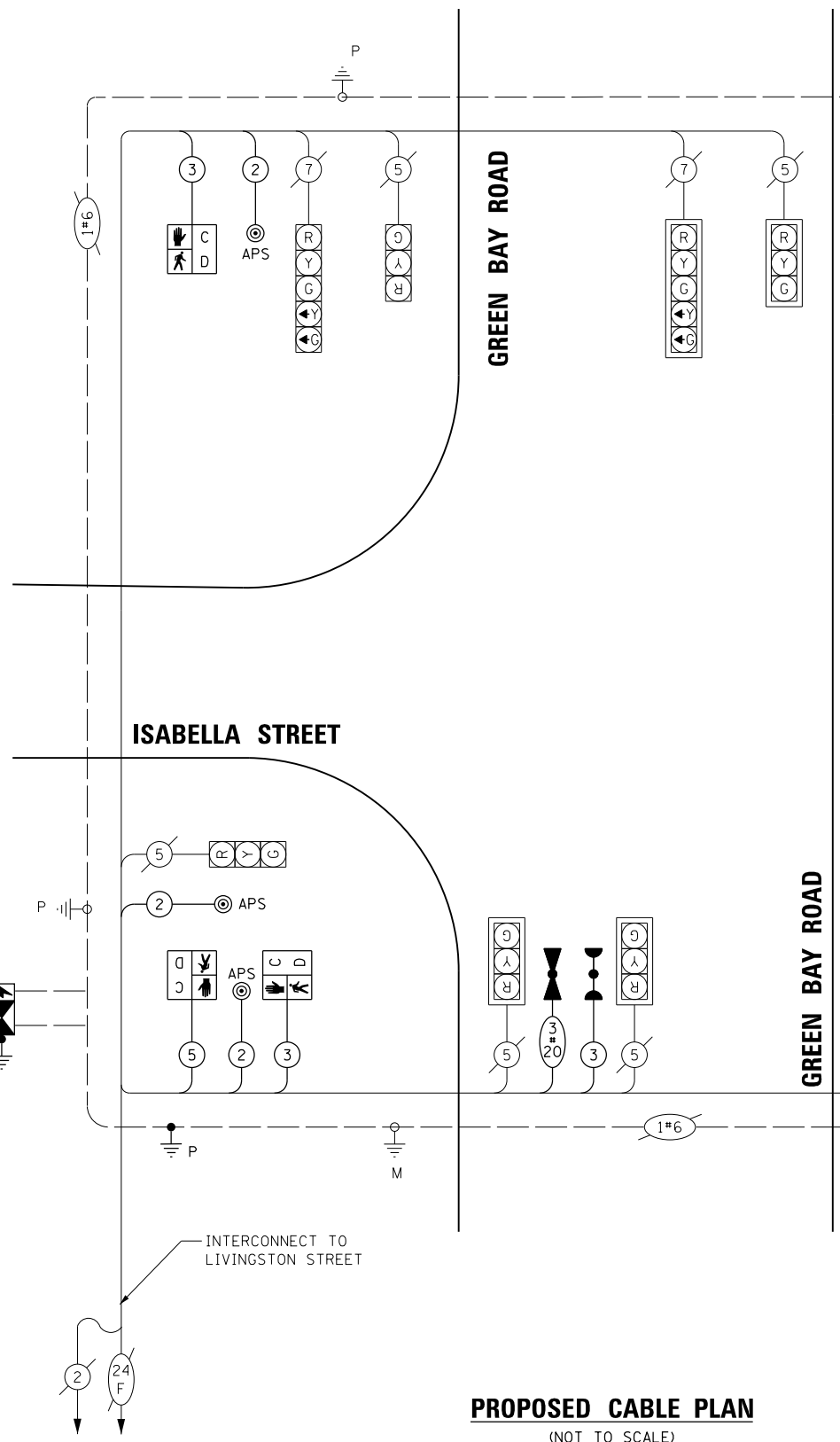
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	→	↓ ↑

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

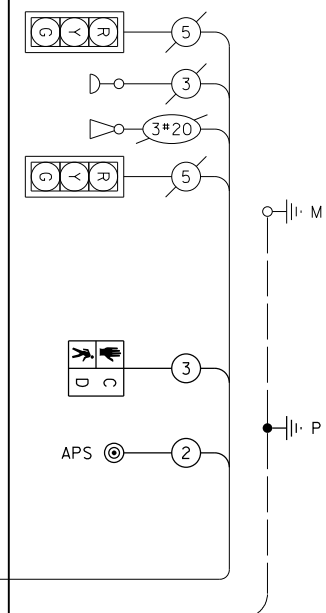


PROPOSED CABLE PLAN
(NOT TO SCALE)

- 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 3/C	FOOT	111
LED LAMP MODULE REPLACEMENT	EACH	27
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
SERVICE INSTALLATION - POLE MOUNTED	EACH	1



MODEL: Default; FILE: \\nas101\proj\hwy\ben\hwy\com\hwy\ben\01\Documents\01_Active\Projects\MKV\CHS-168112005 - Green Bay Road - Phase B12_Design\CADD\Bm_Sheets\168112005-sht-b12-pr-cable-04_KHA.dgn



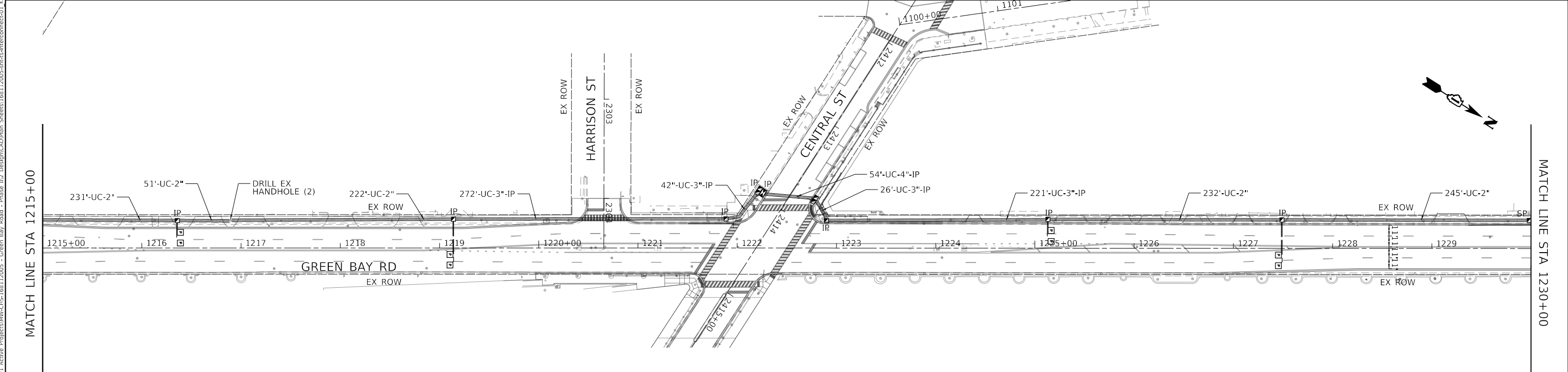
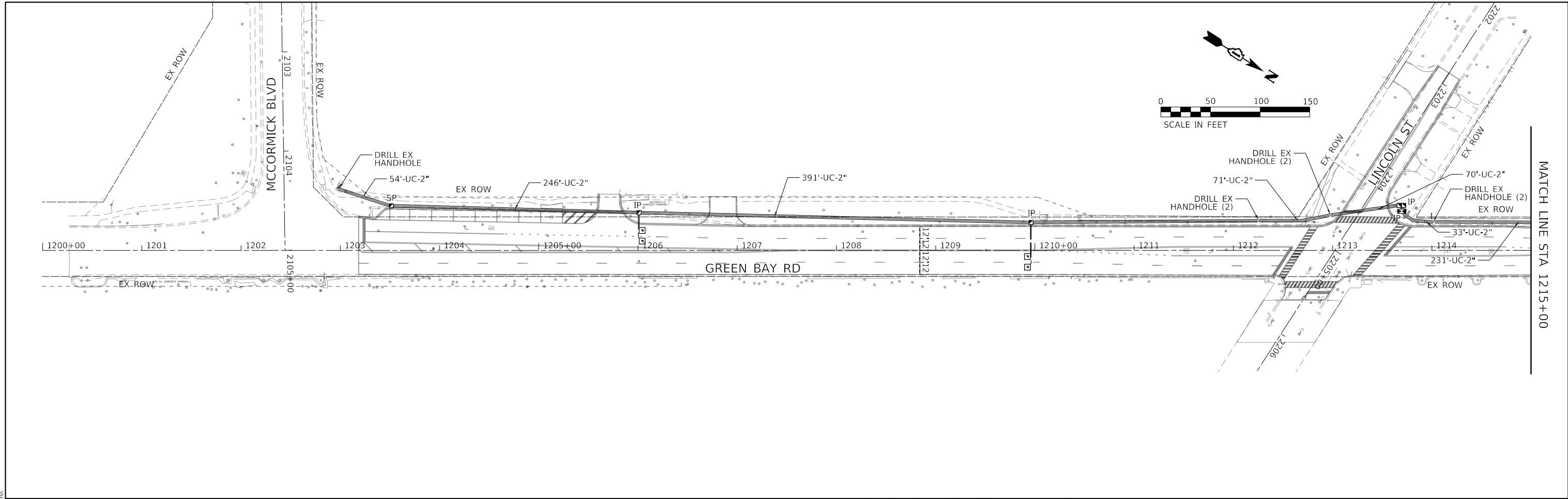
USER NAME = JoelTurk	DESIGNED - XXX	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - XXX	REVISED -
PLOT DATE = 7/10/2024	CHECKED - XXX	REVISED -
	DATE -	REVISED -

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-R5	COOK	191	143
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE: \\nas1\c:\projects\p\green_bay_bentley\comshp\p\01\Documents\01_Active\Projects\WV\CHS-168112005 - Green Bay Road - Phase B2_Design\CAD\Plan_Sheets\168112005-shl-tc-interconnect-01_KVA



USER NAME = JoelTurk
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 7/10/2024

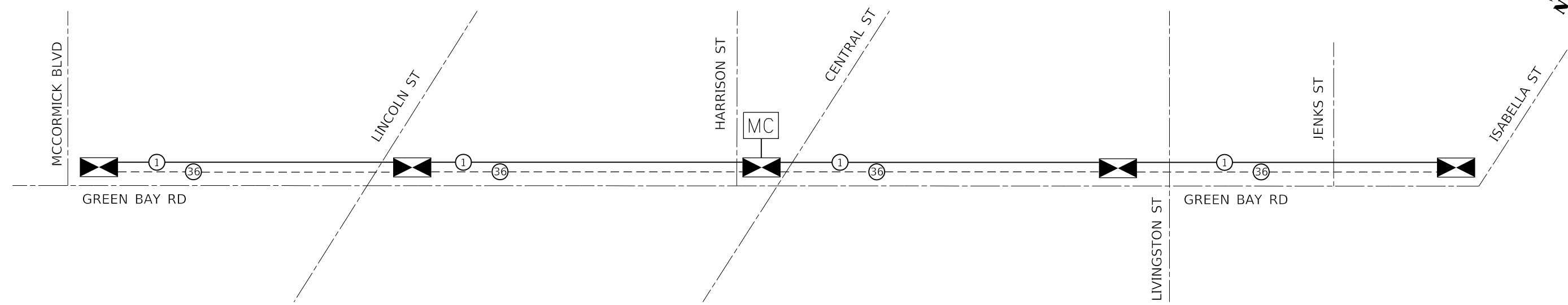
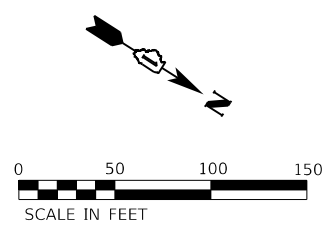
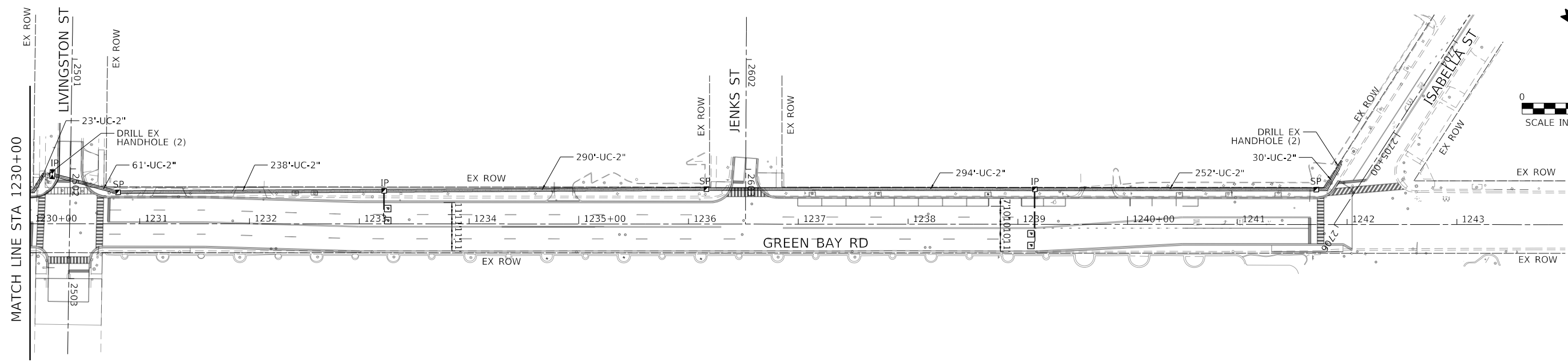
DESIGNED -	KKH	REVISED -	
DRAWN -	KKH	REVISED -	
CHECKED -	SRS	REVISED -	
DATE -		REVISED -	

**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-R5	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

MODEL: Default
 FILE: \\bentley.com\pub\pwworkspace\joel.turk\projects\611\Documents\01 Active Projects\WW\CHS-168112005 - Green Bay Road - Phase II\2 Design\CAD\Plan Sheets\168112005-sht-2-Interconnect-02.kia
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM



USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
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-R5	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	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

MODEL: Default FILE: Main: p:\pub\pwbentley.com\shp\pwb-01\Documents\01_Active Projects\WV-CHS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Bim_Sheets\168112005-shp-ts-01_KHA.dgn



USER NAME = footemj	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 50,0000 ' / 1'	CHECKED - LP	REVISED -
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

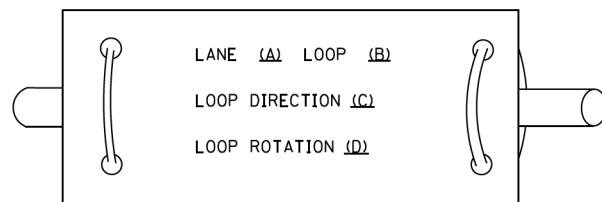
SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

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

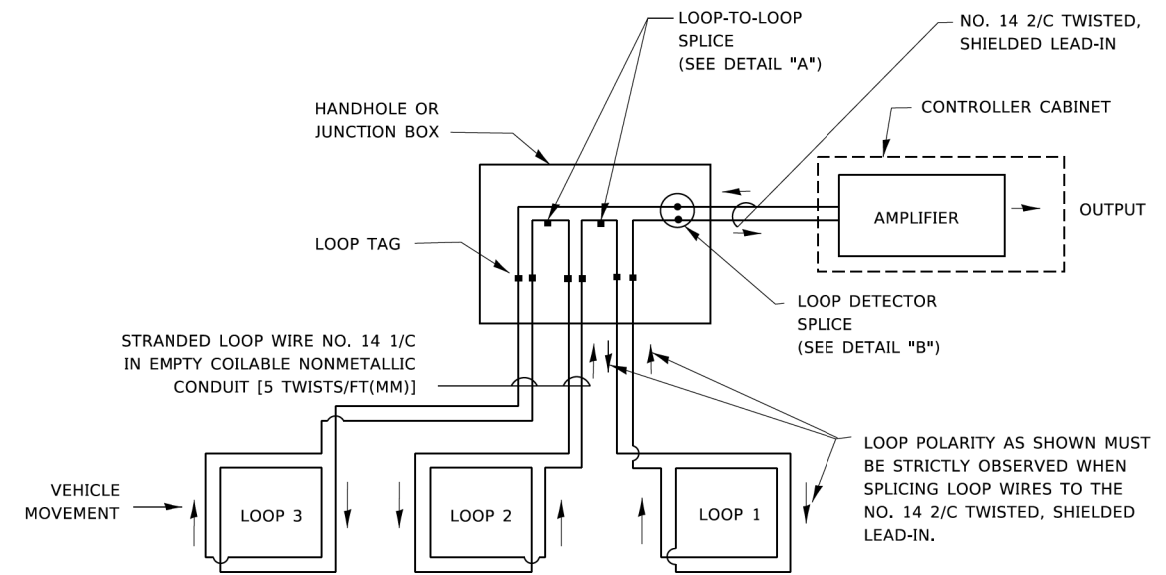
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

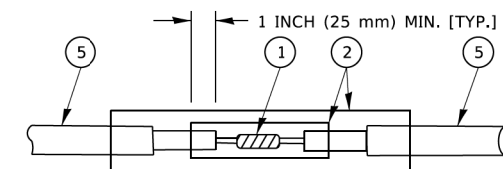


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

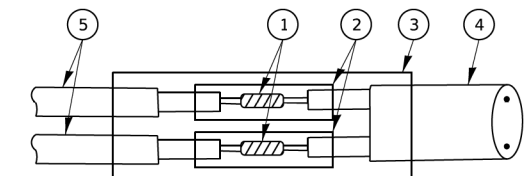


DETECTOR LOOP WIRING SCHEMATIC

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

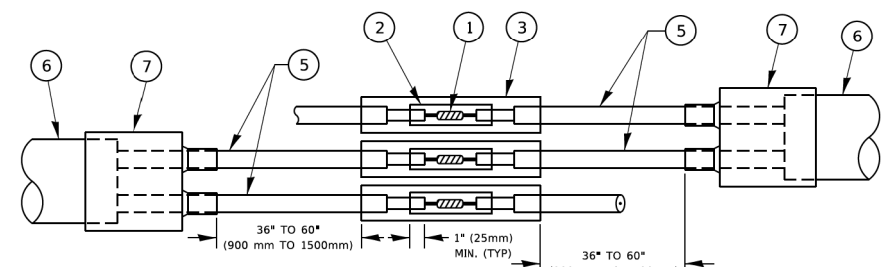


DETAIL "A"
LOOP-TO-LOOP SPLICE

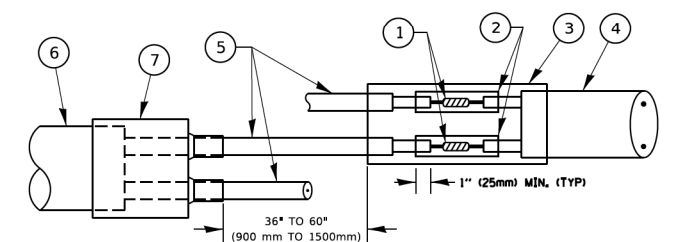


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

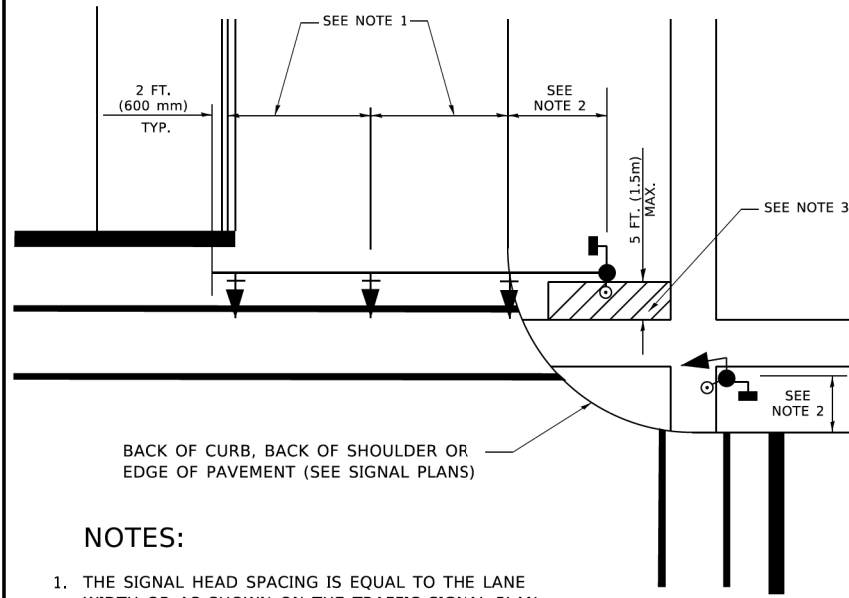
MODEL: Default FILE NAME: p:\pub\pwbentley.com\h-pw-01\Documents\01_Active Projects\MK-CHS-168112005 - Green Bay Road - Phase B2_Design\CAD\Bentley Sheets\168112005-sht-1-02.dwg

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

F.A.U. RTE. 2744	SECTION 19-00285-00-RS	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 147
TS-05		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

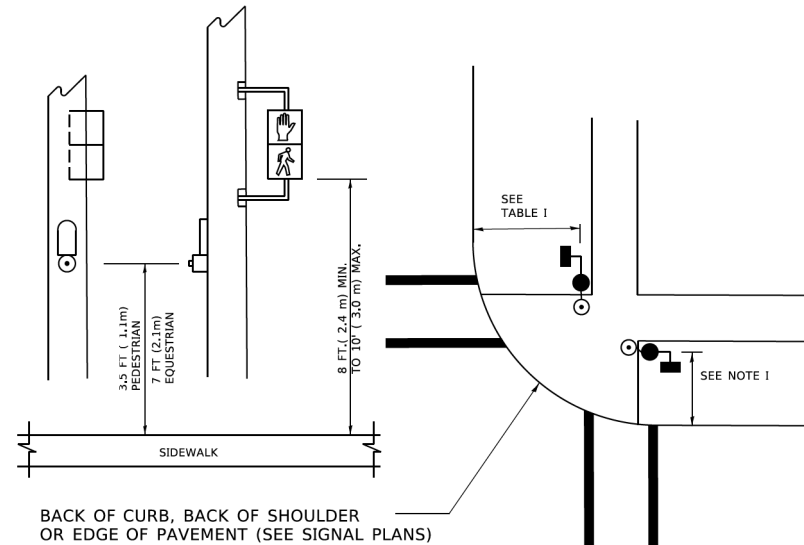
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

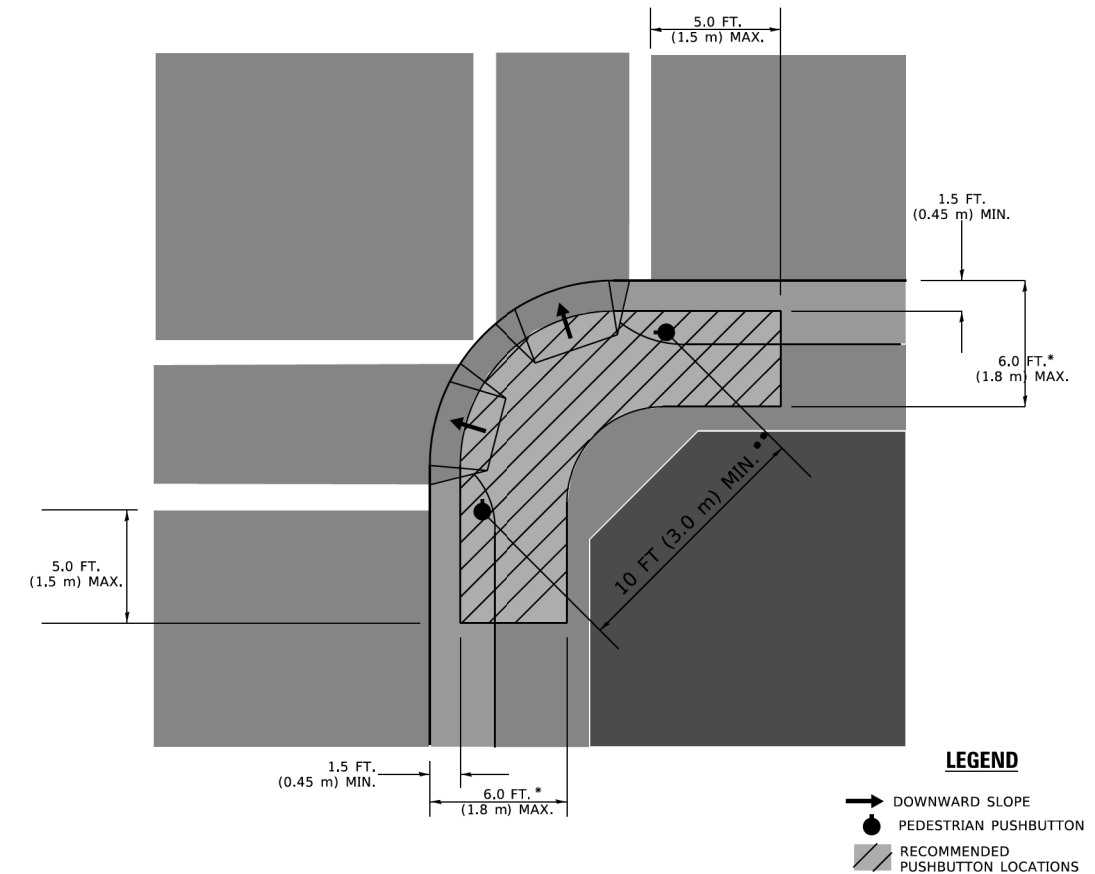
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



- * 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 TOTHE 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.

MODEL: Default FILE: \\hpc\pub\paw.bentley.com\hpc\paw-01\Documents\01_Active Projects\WV-CUS-168112005 - Green Bay Road - Phase II - Design\CAD\Plan_Sheets\168112005-sht-03-03_KHA.dgn



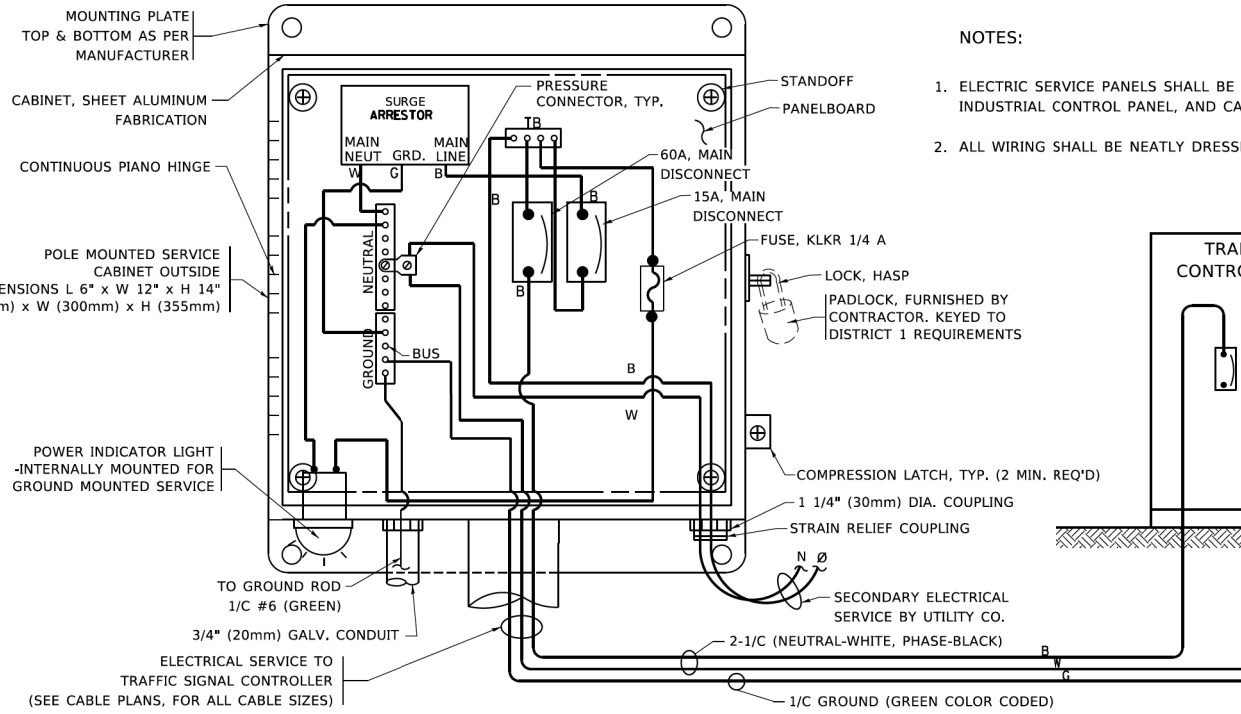
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

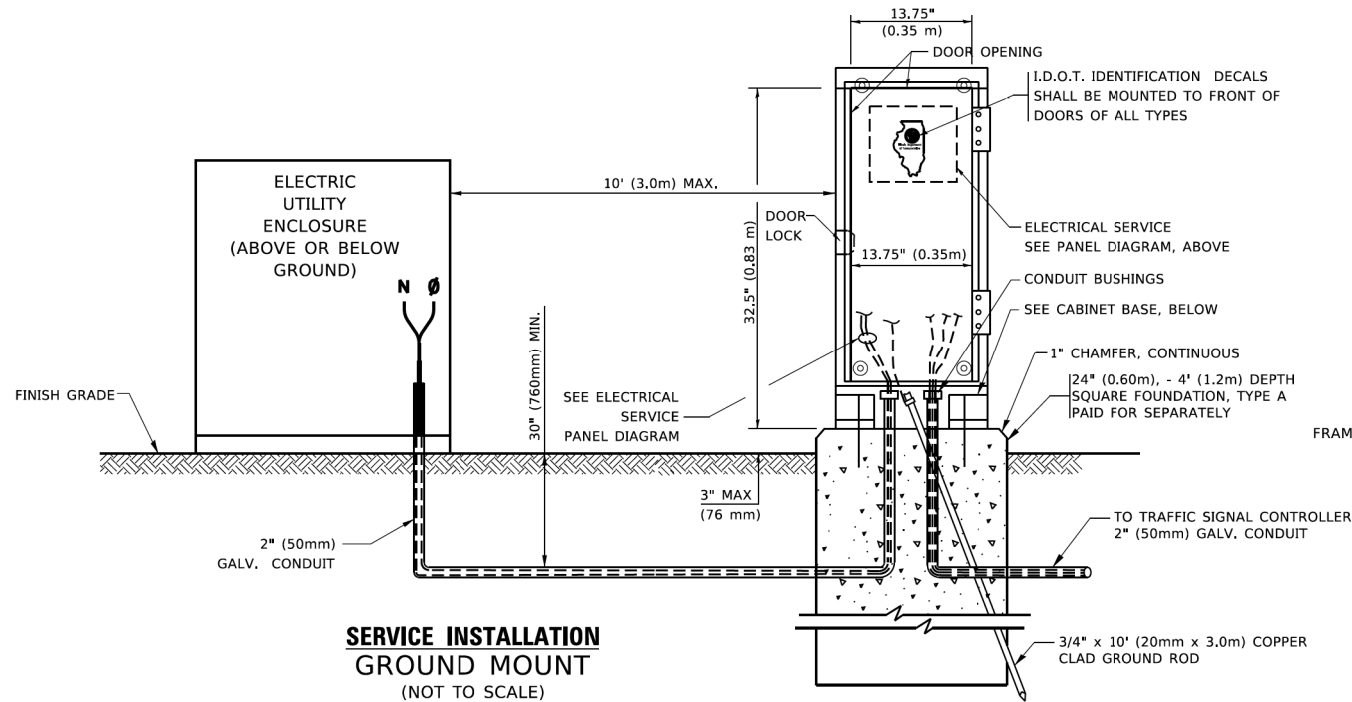
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	148
TS-05		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

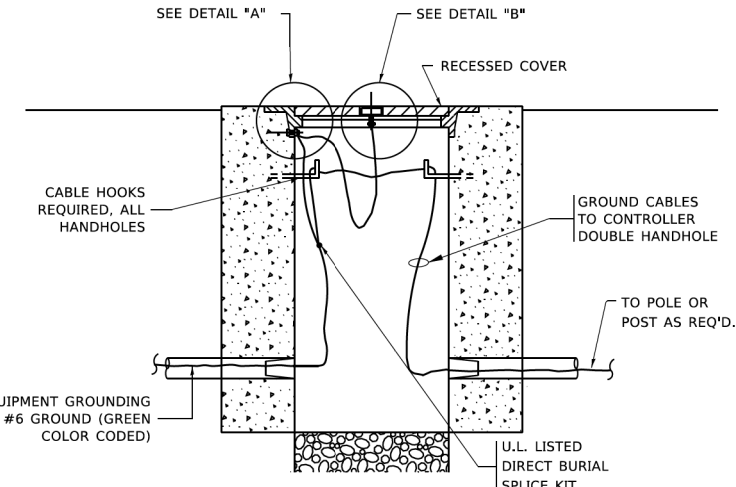
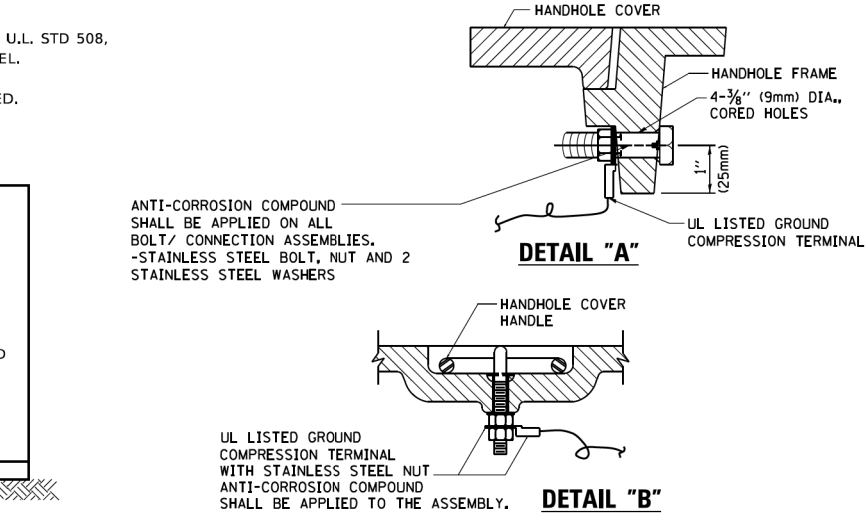
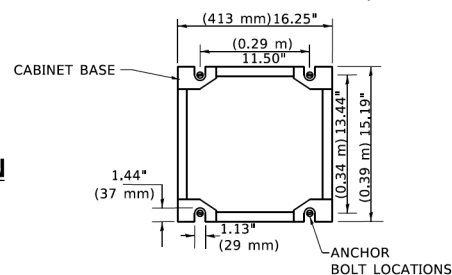


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

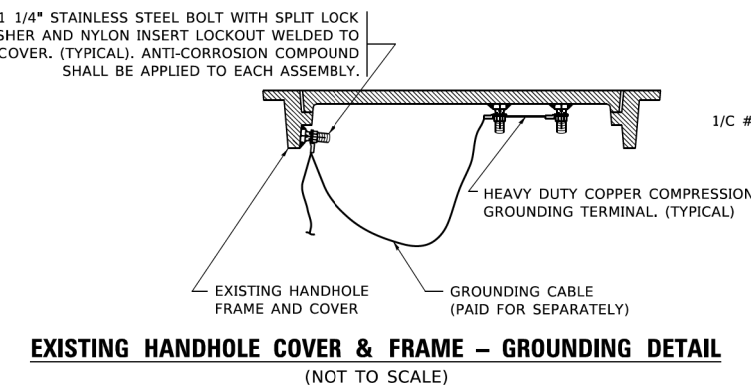


SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



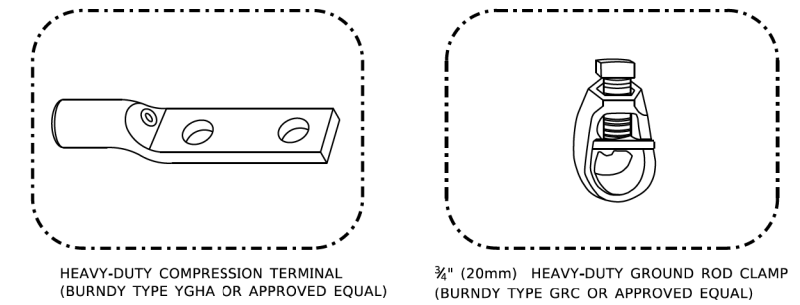
HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)

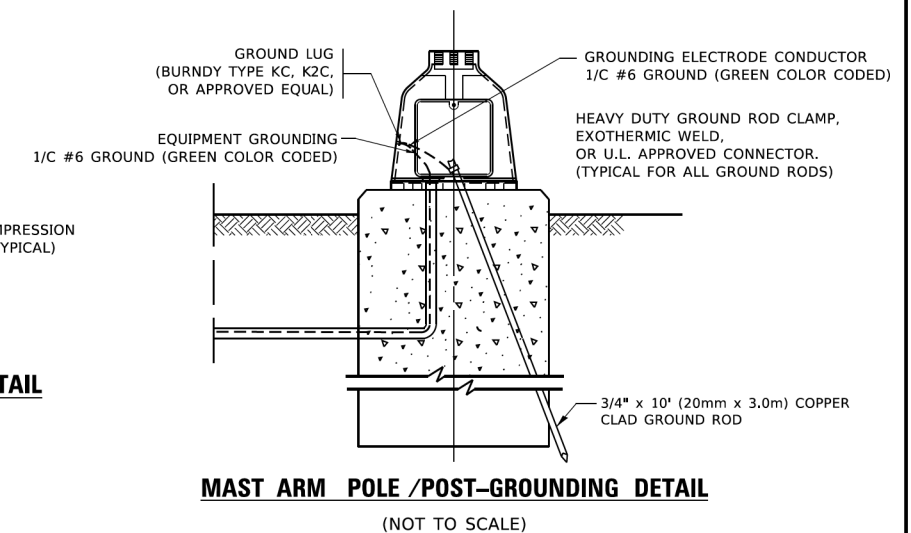
NOTES:
GROUNDING SYSTEM

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



NOTES:

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



MAST ARM POLE /POST-GROUNDING DETAIL
 (NOT TO SCALE)

MODEL: Default
 FILE NAME: p:\pub\paw.bentley.com\shp\paw-01\Documents\01 Active Projects\MW-CUS-168112005 - Green Bay Road - Phase B2 Design\CAD\Plan Sheets\168112005-shp-t-sides-04_KHA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM



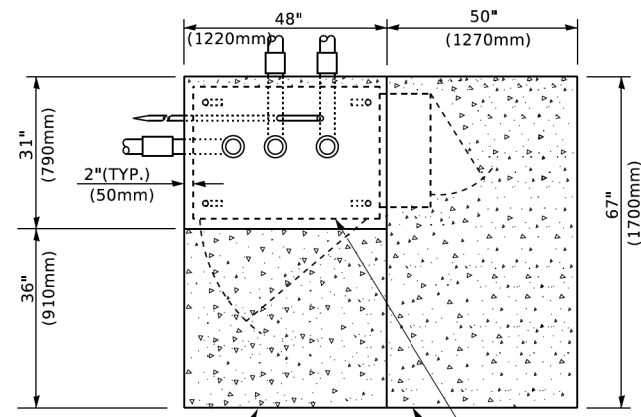
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

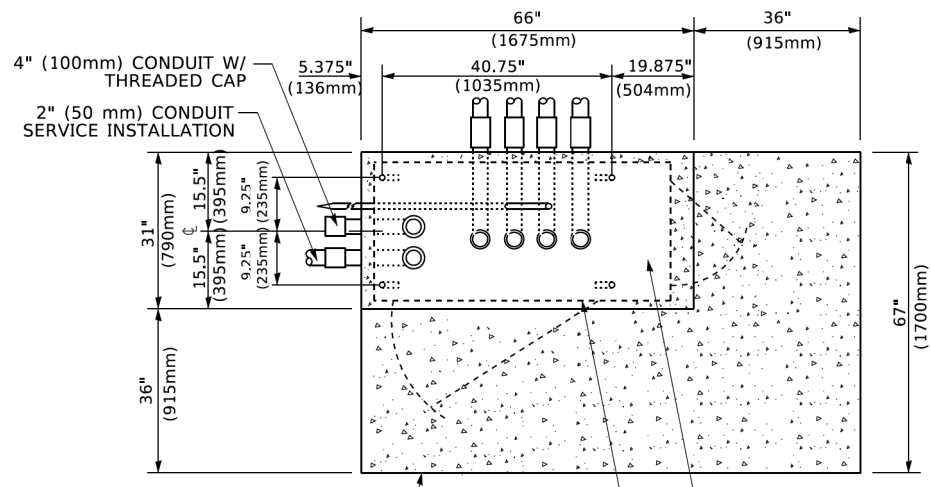
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

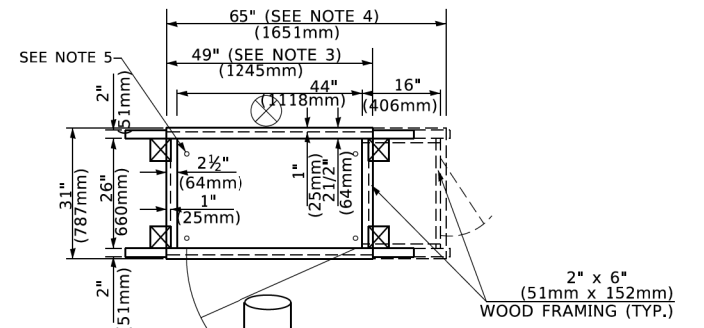
F.A.U. RTE. 2744	SECTION 19-00285-00-RS	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 149
TS-05		CONTRACT NO. 61K60		
ILLINOIS / FED. AID PROJECT				



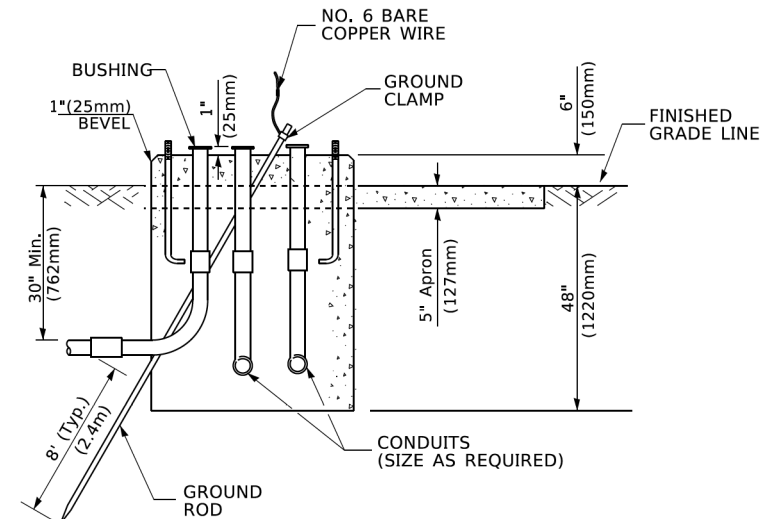
TOP VIEW



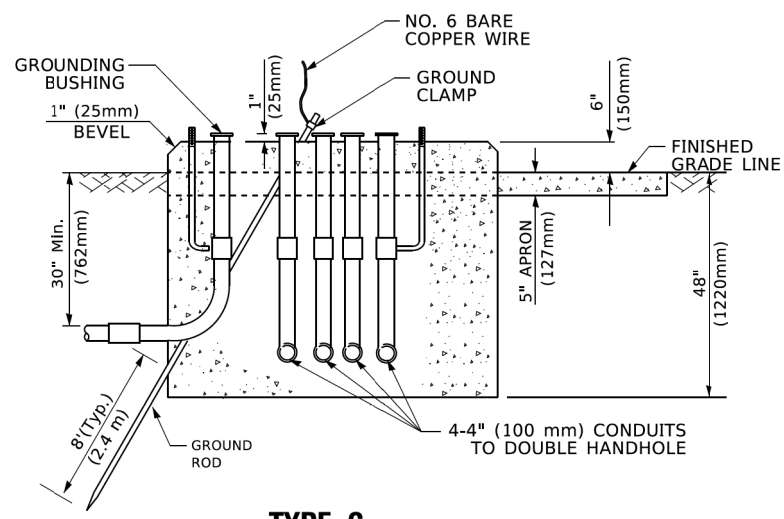
TOP VIEW



TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



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

- NOTES:**
- 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.
 - 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.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - 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.
 - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

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)

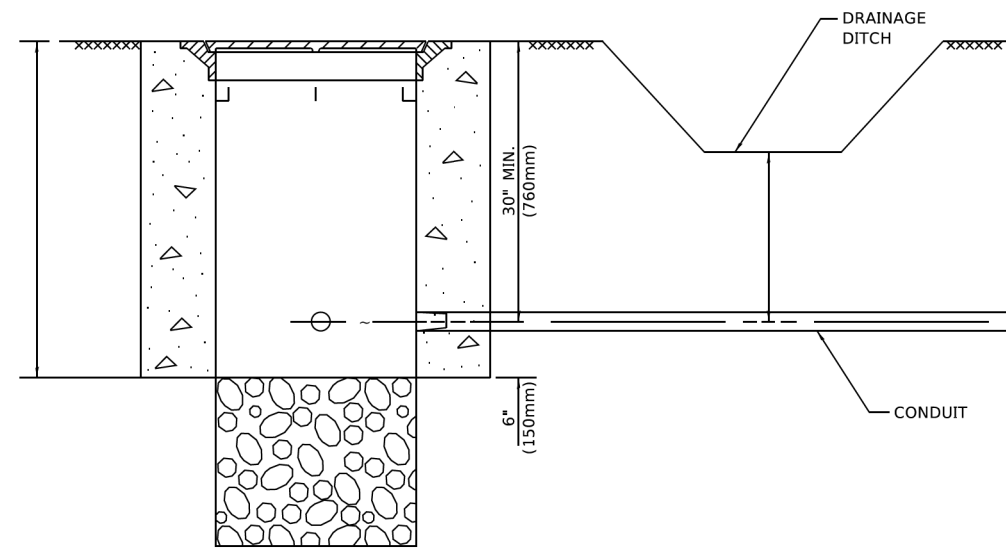
DEPTH OF FOUNDATION

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 less than 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:**
- 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.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 - For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

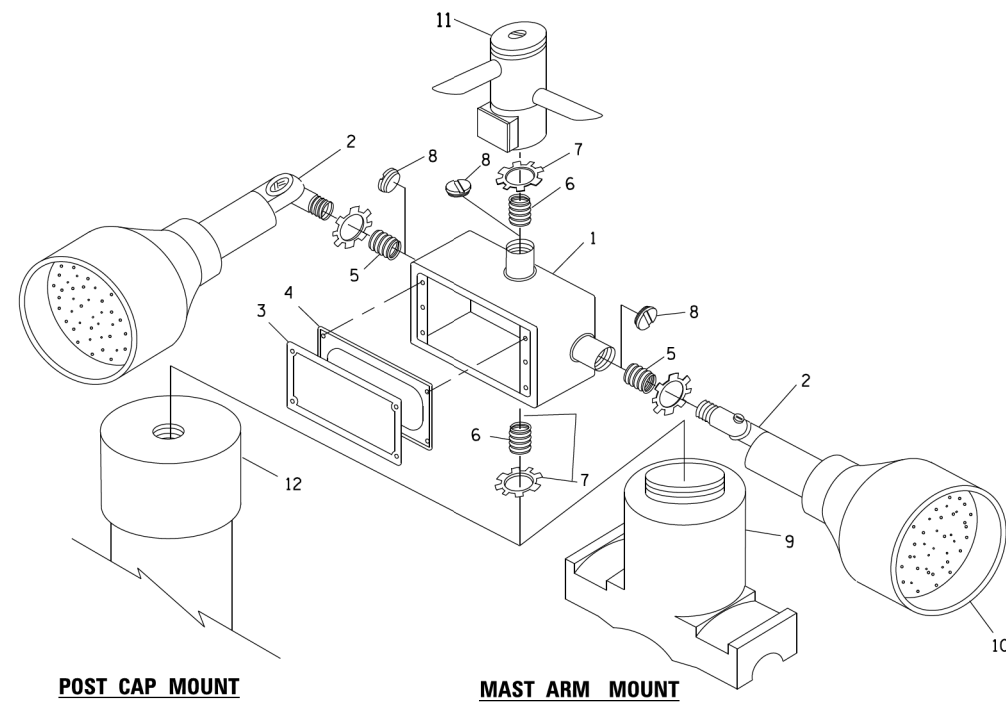
	USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED -			2744	19-00285-00-RS	COOK	191	150
PLOT DATE = 3/4/2019	DATE -	REVISED -	SCALE: NONE	SHEET 5 OF 7 SHEETS	STA. TO STA.	TS-05 ILLINOIS / FED. AID PROJECT		CONTRACT NO. 61K60		



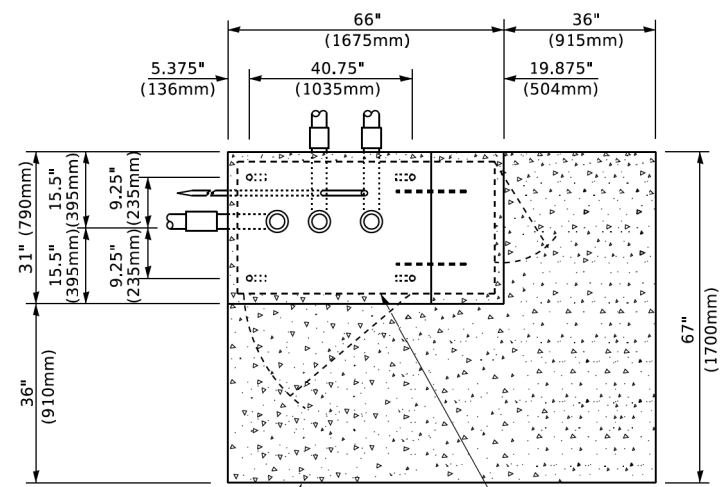
NOTES:

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

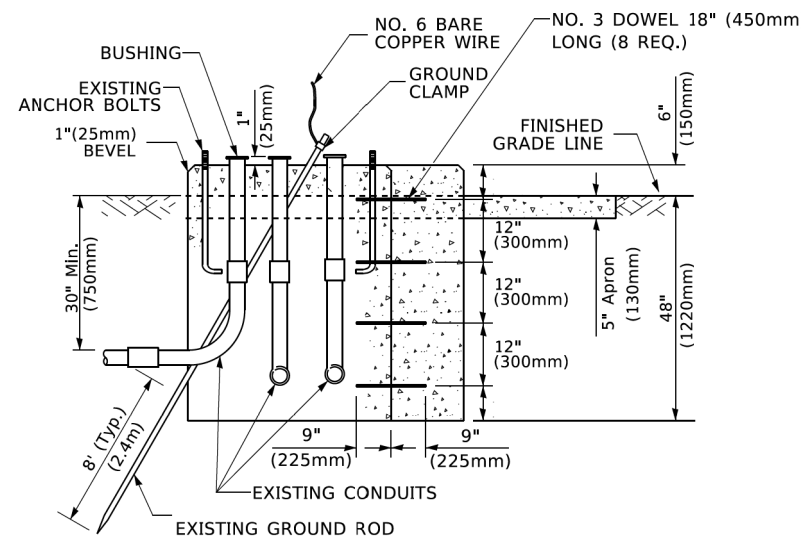
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

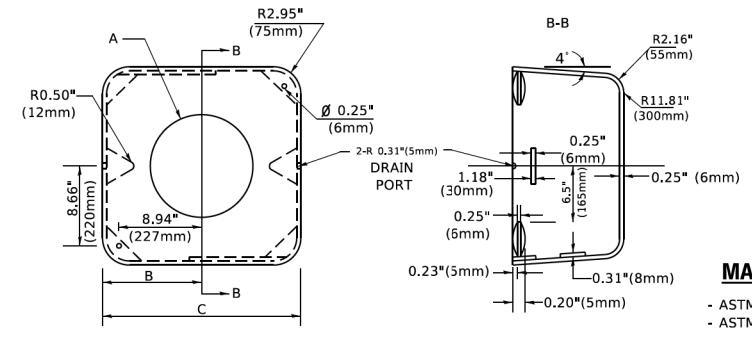


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

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



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

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

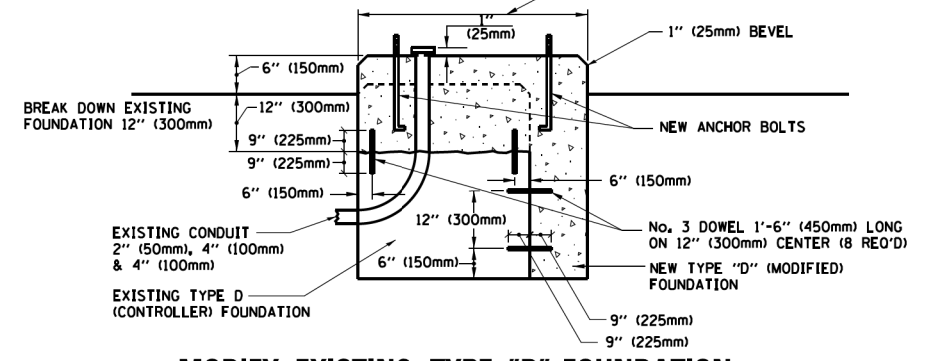
SHROUD

NOTES:

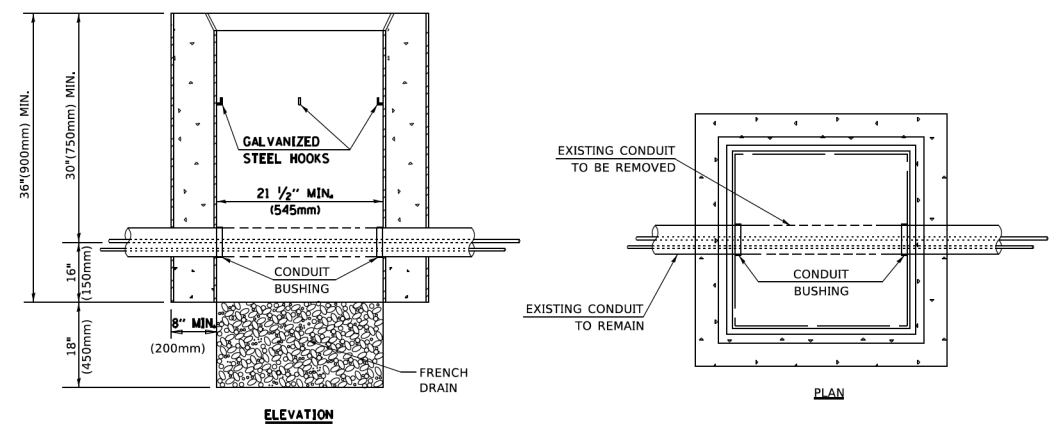
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT



USER NAME	DESIGNED	REVISED
footemj	-	-
	DRAWN	REVISED
	CHECKED	REVISED
	DATE	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

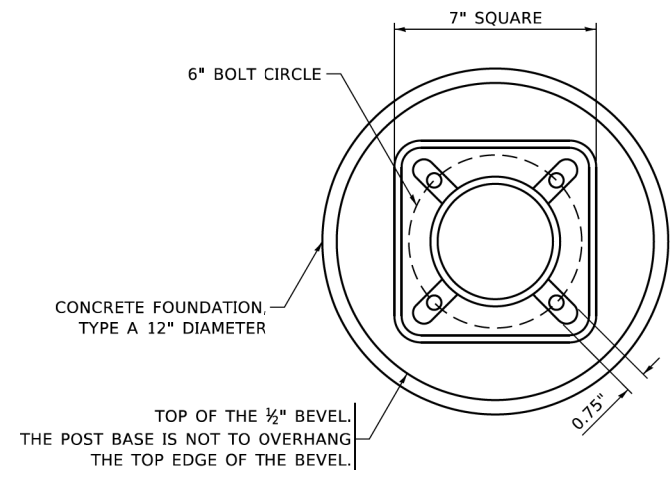
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	151

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

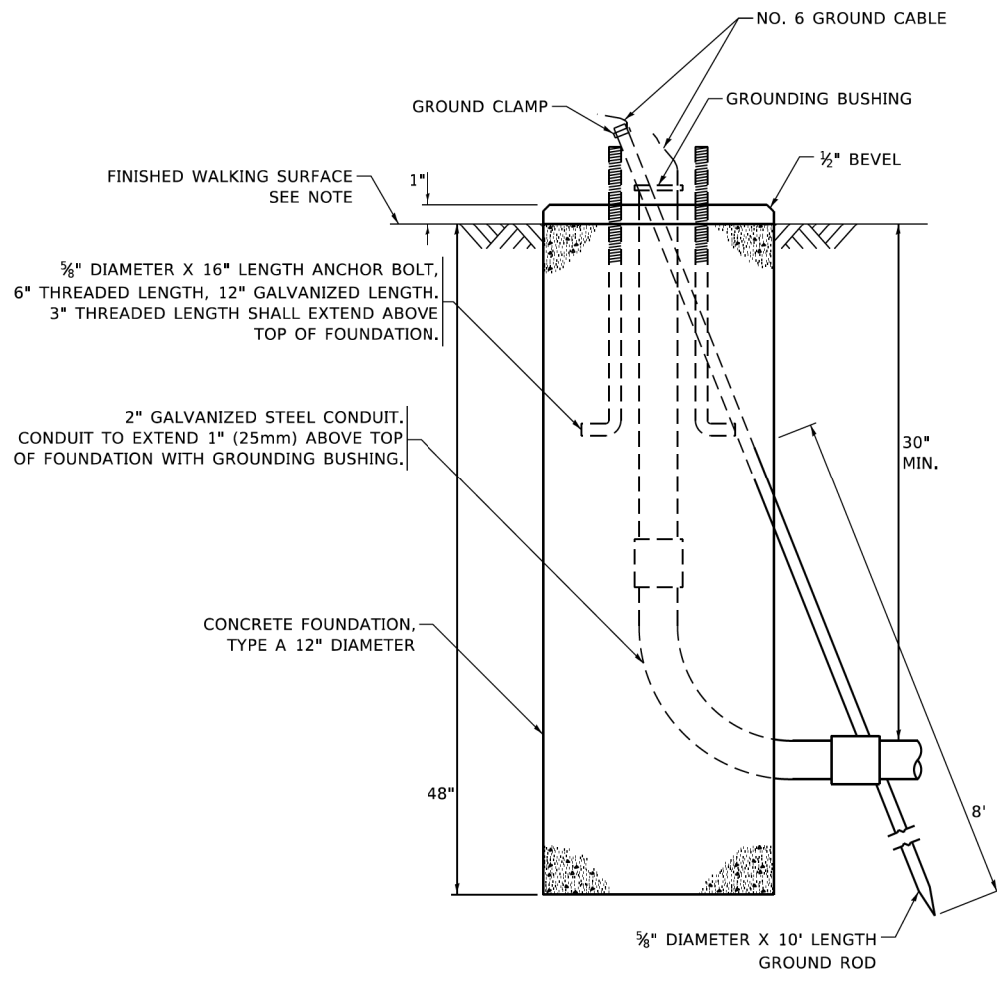
ILLINOIS FED. AID PROJECT CONTRACT NO. 61K60

MODEL: Default FILE: \\hpc\pub\paw.bentley.com\paw-01\Documents\01.Active\Projects\MW-CUS-168112005 - Green Bay Road - Phase 1B2_Design\CAD\Plan_Sheets\168112005-ghb-t-see-06_KHA.dgn

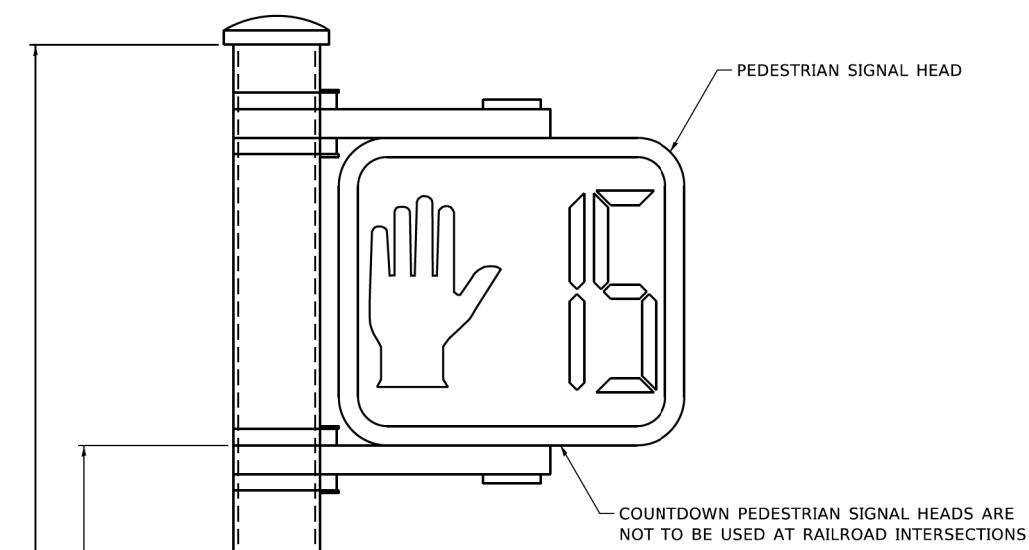


BOLT PATTERN

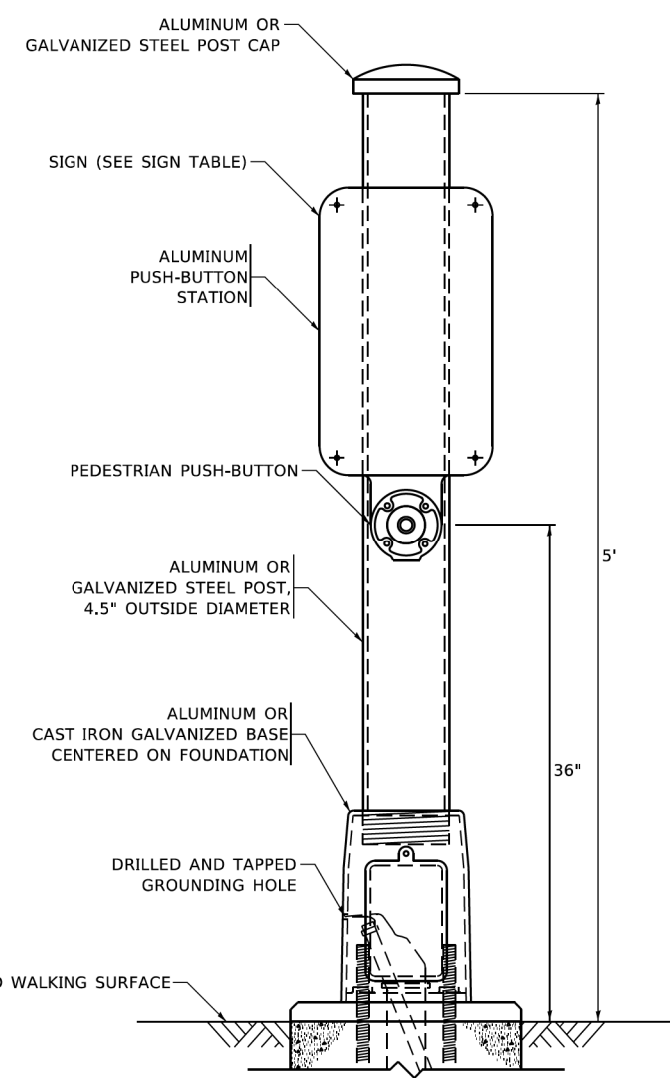
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



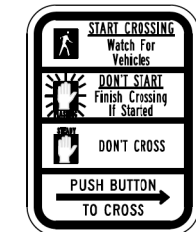
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



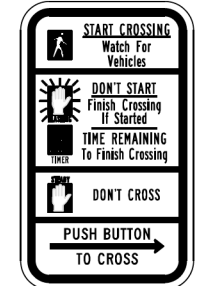
PEDESTRIAN SIGNAL POST, 5 FT.



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.

MODEL: Default
 FILE NAME: p:\bentley.com\p01\Documents\01 Active Projects\WV\CHS-168112005 - Green Bay Road - Phase II\2-Design\CAD\Draw Sheets\168112005-sht-07.dwg
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM



USER NAME = gagllanob	DESIGNED - IP	REVISED - 10-15-2020
	DRAWN - IP	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	152
TS-05		CONTRACT NO. 61K60		
ILLINOIS		FED. AID PROJECT		

LIGHTING GENERAL NOTES:

1. 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.
2. 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.
3. NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES SHALL BE PERMITTED. ELECTRIC HANDHOLES SHALL BE USED FOR THE PURPOSE OF PULLING CABLES ONLY.
4. ALL SHORT CIRCUIT RATINGS AND OVERCURRENT PROTECTIVE DEVICE RATINGS SHALL BE GREATER THAN THE AVAILABLE FAULT CURRENT AT EACH RESPECTIVE PIECE OF EQUIPMENT.
5. CONTRACTOR SHALL PROVIDE THREE PRINTED COPIES AND ONE ELECTRONIC COPY OF SUBMITTALS, MANUALS, SERVICE AGENCIES AND WARRANTIES TO THE CITY UPON COMPLETION OF CONSTRUCTION.
6. ALL EQUIPMENT TO BE REMOVED AS PART OF THE SCOPE SHALL BE SALVAGED AS DIRECTED BY THE CITY.
7. 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

MODEL: Default
 FILE: M:\112005-01\Documents\01 Active Projects\WK-CUS-168112005 - Green Bay Road - Phase 1B2 Design\CAD\Plan_Sheets\168112005-01\Lighting\gennotes-01.kia
 P:\bentley\pwworking\pwworking.com\pwworking.com\112005-01\Documents\01 Active Projects\WK-CUS-168112005 - Green Bay Road - Phase 1B2 Design\CAD\Plan_Sheets\168112005-01\Lighting\gennotes-01.kia



© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM

USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - AJD	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

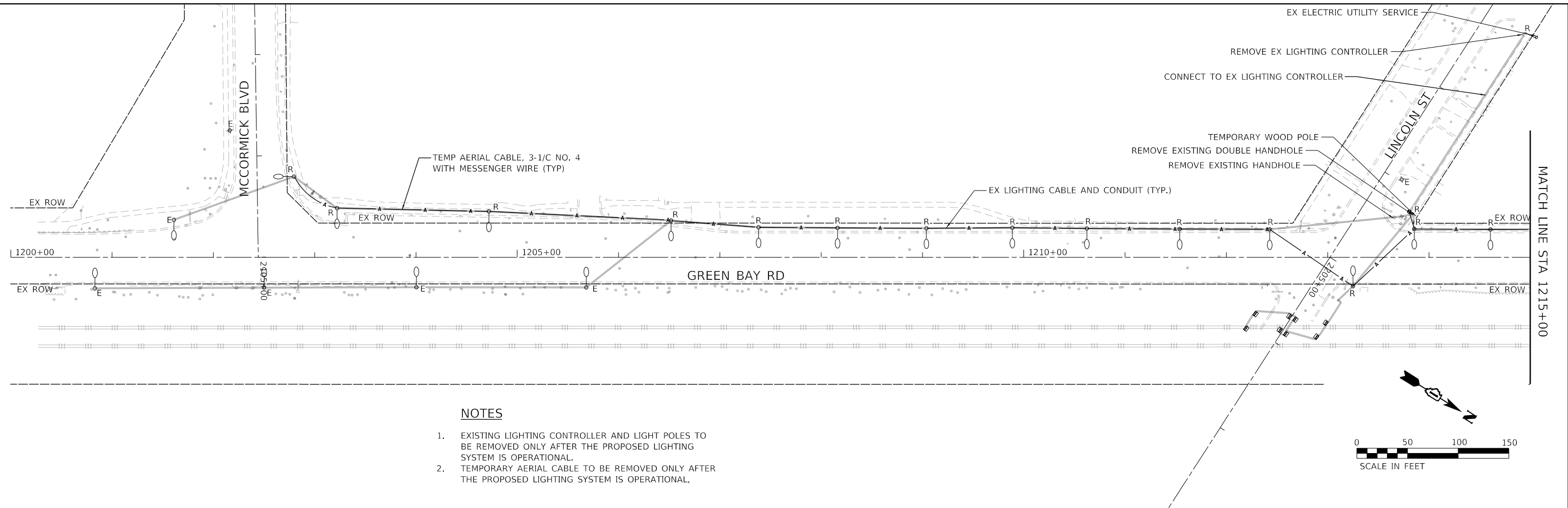
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

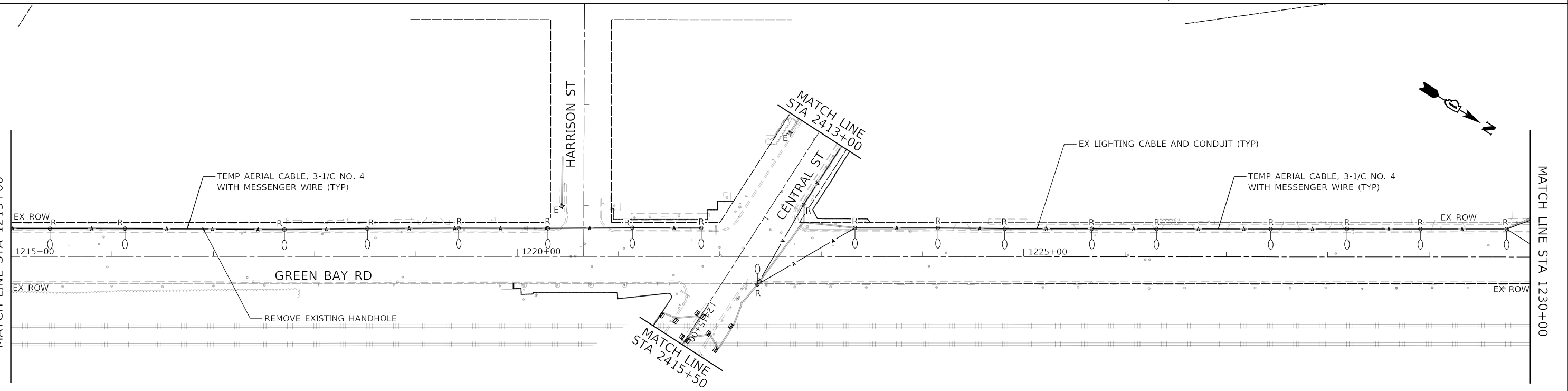
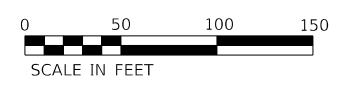
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

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				

MODEL: Default
 FILE: \\nas01\p\w_bentley.com\shp\p\01\Documents\01 Active Projects\WW\CHS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Plan_Sheets\168112005-shp-light-temp-01.kim.dgn



- 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.



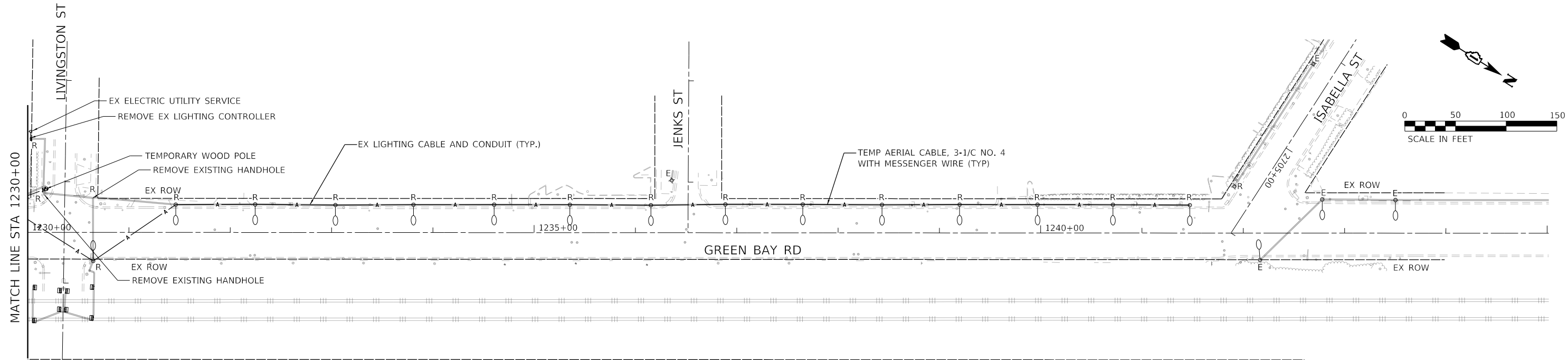
USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - AJD	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GREEN BAY ROAD CORRIDOR IMPROVEMENTS
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.

MODEL: Default
 FILE: \\nas01\pwwork\pwwork\benby.com\shp\p-01\Documents\01 Active Projects\WW\CHS-168112005 - Green Bay Road - Phase II\2 Design\CAD\Plan Sheets\168112005-shp-light-comp-02.kim.dgn



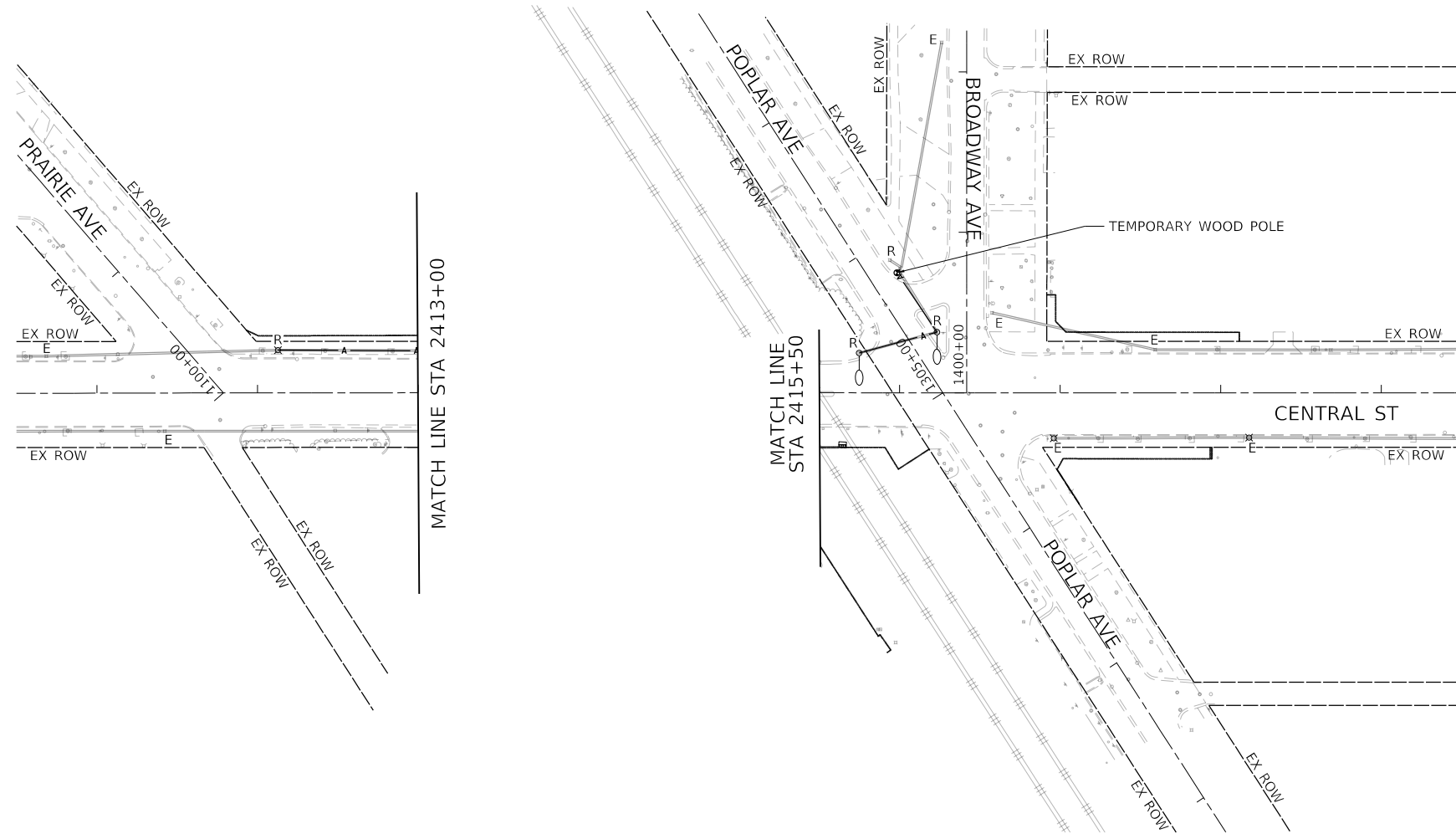
USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - KKH	REVISED -
PLOT DATE = 7/10/2024	CHECKED - AJD	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GREEN BAY ROAD CORRIDOR IMPROVEMENTS
REMOVAL & TEMPORARY LIGHTING PLAN

SCALE: 1" = 50' SHEET 2 OF 3 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	155
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.

MODEL: Default
 FILE: h:\mhc\p\w\hantley\com\h\p\p\01\Documents\01_Active Projects\MM\CHS-168112005 - Green Bay Road - Phase II\2_Design\CAD\Plan_Sheets\168112005-ght-light-comp-03_KIM.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60555
 PHONE: 630-487-4600
 WWW.KIMLEY-HORN.COM



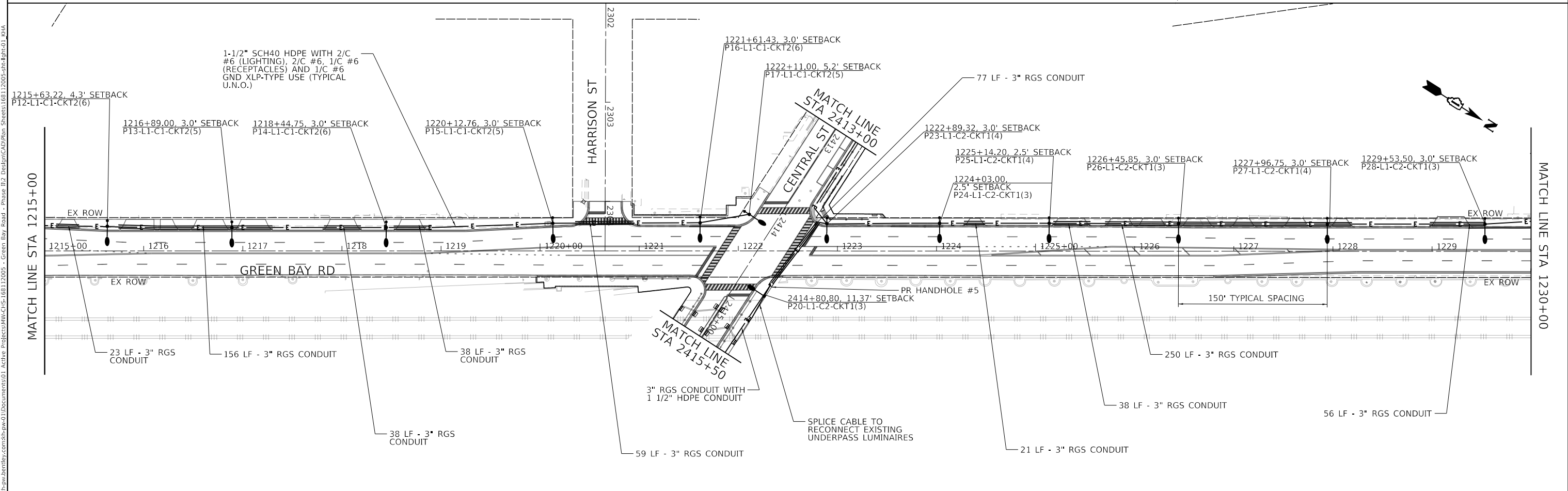
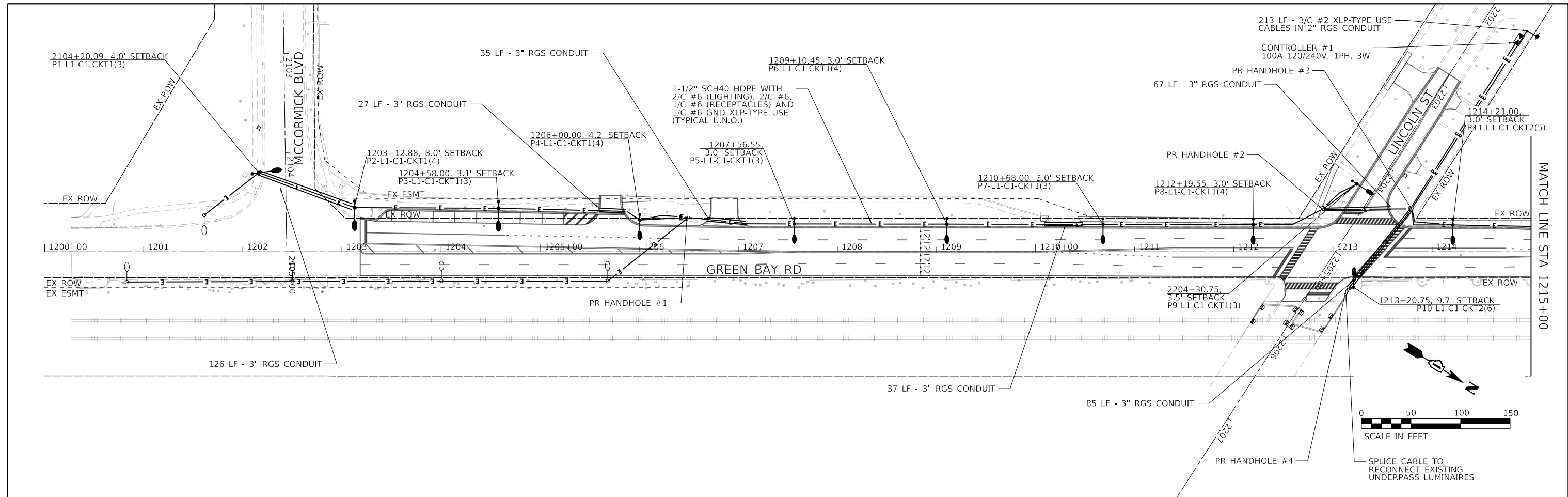
USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - AJD	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

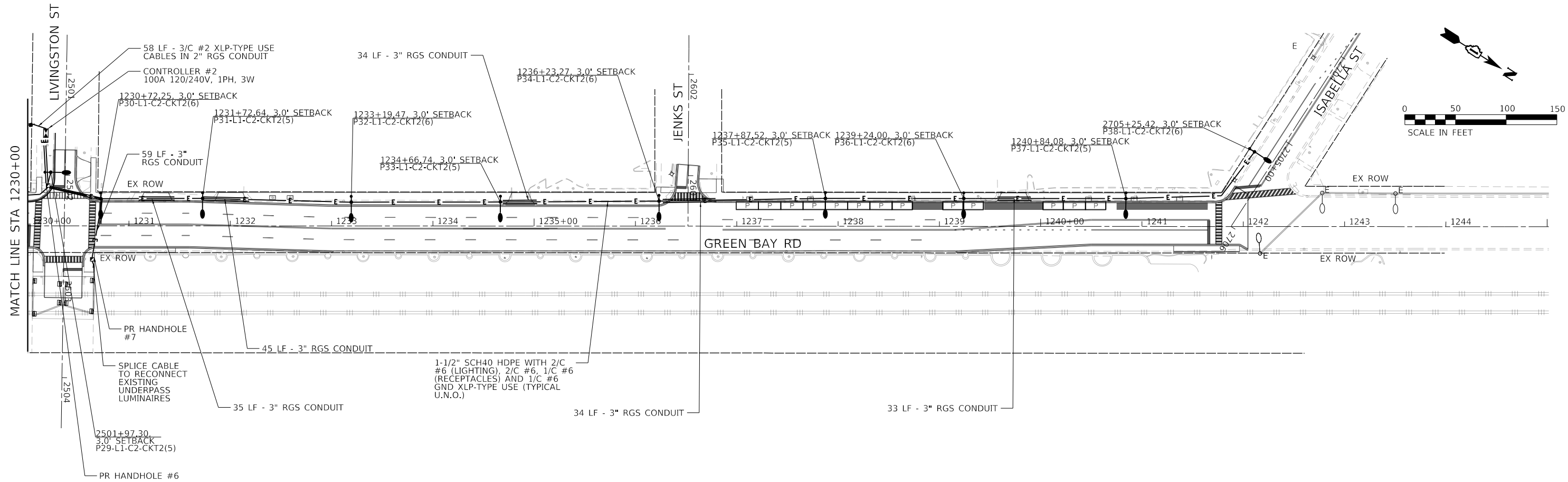
**GREEN BAY ROAD CORRIDOR IMPROVEMENTS
CENTRAL STREET REMOVAL & TEMPORARY LIGHTING PLAN**

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	



<p>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 400 WINDFIELD ROAD, SUITE 600 WARRENVILLE, IL 60550 PHONE: 630-487-4600 WWW.KIMLEY-HORN.COM</p>	USER NAME = JoelTurk	DESIGNED - KKH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GREEN BAY ROAD CORRIDOR IMPROVEMENTS LIGHTING PLAN			F.A.U. RTE. = 2744	SECTION = 19-00285-00-RS	COUNTY = COOK	TOTAL SHEETS = 191	SHEET NO. = 157	
	PLOT SCALE = 100,0000' / in.	CHECKED - AJD	REVISED -		SCALE: 1" = 50'	SHEET 1	OF 3 SHEETS	STA. 1200+00.00 TO STA. 1230+00.00	CONTRACT NO. 61K60				
	PLOT DATE = 7/10/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



MODEL: Default
 FILE: \\nas01\pwwork\pwwork\benby.com\pwwork\01\Documents\01 Active Projects\WW-CHS-168112005 - Green Bay Road - Phase II-2 Design\CAD\Plan Sheets\168112005-gh-light-02.dwg
 © 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6600
 WWW.KIMLEY-HORN.COM



USER NAME	= JoelTurk
PLOT SCALE	= 100.0000' / in.
PLOT DATE	= 7/10/2024

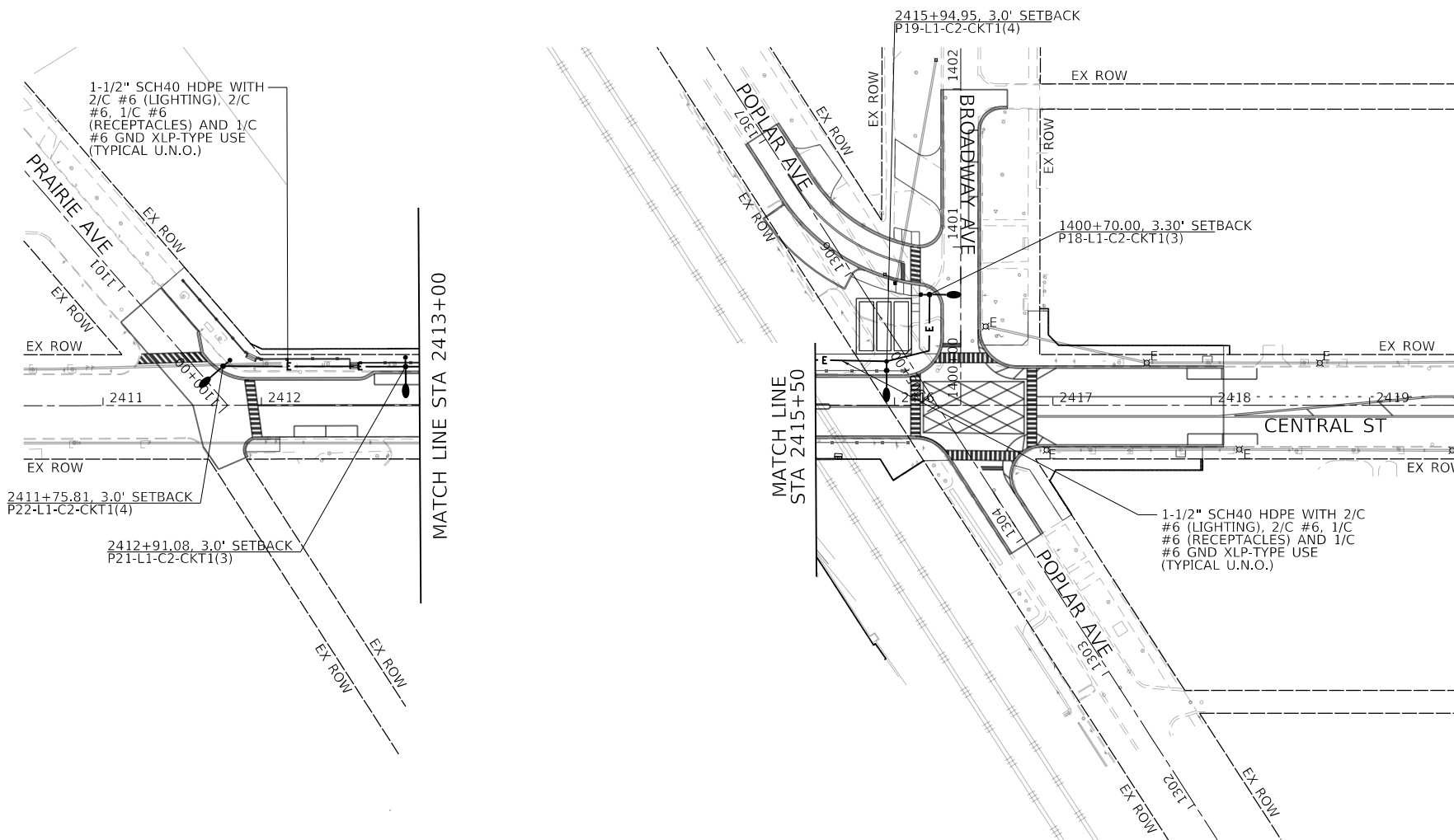
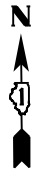
DESIGNED -	KKH	REVISED -	
DRAWN -	KKH	REVISED -	
CHECKED -	AJD	REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GREEN BAY ROAD CORRIDOR IMPROVEMENTS
LIGHTING PLAN

SCALE: 1" = 50' SHEET 2 OF 3 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	158
CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	



MODEL: Default
 FILE: h:\mhc\p\w\hantley.com\hantley\p\01\Documents\01 Active Projects\MW\CHS-168112005 - Green Bay Road - Phase II\2 Design\CAD\Plan Sheets\168112005-sht-light-03.dwg
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-487-6500
 WWW.KIMLEY-HORN.COM



USER NAME = JoelTurk	DESIGNED - KKH	REVISED -
	DRAWN - KKH	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - AJD	REVISED -
PLOT DATE = 7/10/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

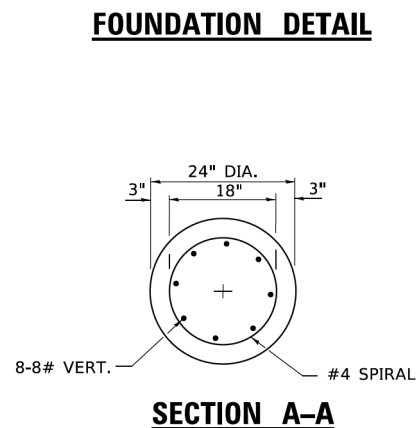
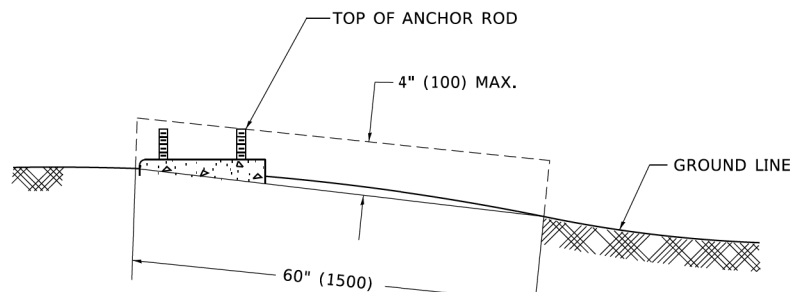
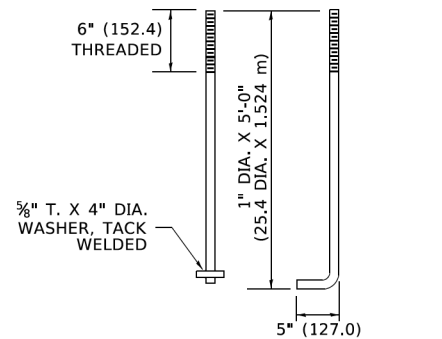
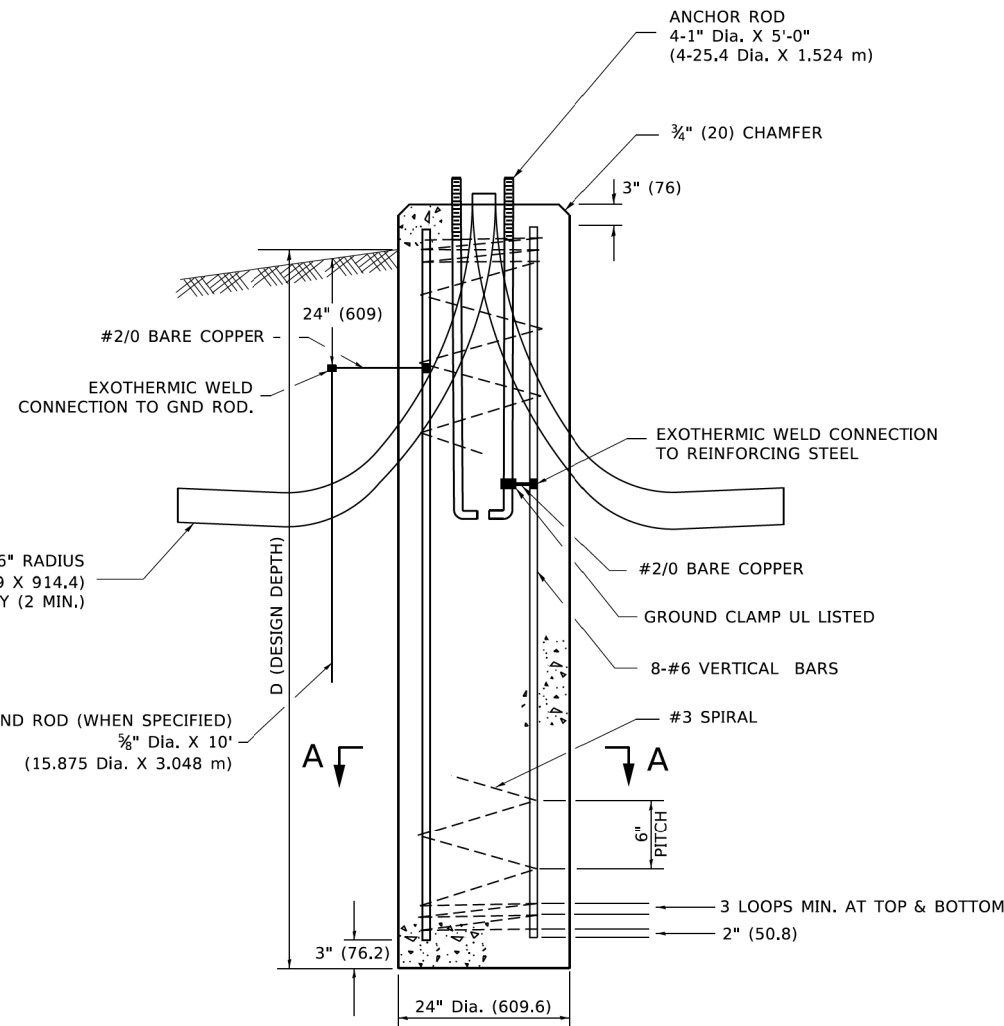
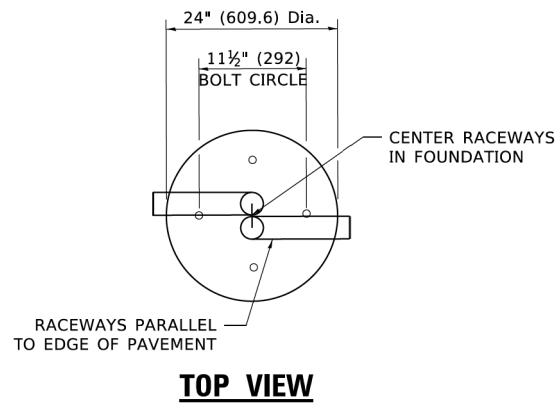
GREEN BAY RD CORRIDOR IMPROVEMENTS
CENTRAL STREET LIGHTING PLAN

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	159
CONTRACT NO. 61K60				
		ILLINOIS	FED. AID PROJECT	

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

MODEL: Default FILE NAME: p:\projects\p\kimleyhorn.com\p\p-01\Documents\01_Active Projects\MW-CUS-168112005 - Green Bay Road - Phase II\2-Design\CAD\Plan_Sheets\168112005-act\p\p-hd-detail-01.kia

VOLTAGE DROP CALCULATIONS - CONTROLLER 1

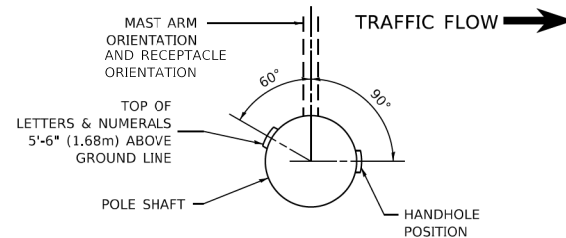
Point	Point Name	Source* Point	Conductor Type	Wire Size/Quantity	Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	Utility Published Data	0								1
2	P9-L1-C1-CKT1	1	Copper	1 Set of 6	7.54	340	240	1	0.94%	2
3	P8-L1-C1-CKT1	2	Copper	1 Set of 6	6.786	117	240	1	1.23%	3
4	P7-L1-C1-CKT1	3	Copper	1 Set of 6	6.032	152	240	1	1.57%	4
5	P6-L1-C1-CKT1	4	Copper	1 Set of 6	5.278	158	240	1	1.87%	5
6	P5-L1-C1-CKT1	5	Copper	1 Set of 6	4.524	154	240	1	2.13%	6
7	P4-L1-C1-CKT1	6	Copper	1 Set of 6	3.77	154	240	1	2.34%	7
8	P3-L1-C1-CKT1	7	Copper	1 Set of 6	3.016	145	240	1	2.50%	8
9	P2-L1-C1-CKT1	8	Copper	1 Set of 6	2.262	145	240	1	2.62%	9
10	P1-L1-C1-CKT1	9	Copper	1 Set of 6	1.508	103	240	1	2.68%	10
11	E1-L1-C1-CKT1	10	Copper	1 Set of 6	0.754	70	240	1	2.70%	11
12	P10-L1-C1-CKT2	1	Copper	1 Set of 6	8.662	263	240	1	0.84%	12
13	P11-L1-C1-CKT2	2	Copper	1 Set of 6	7.908	153	240	1	1.38%	13
14	P12-L1-C1-CKT2	3	Copper	1 Set of 6	7.154	142	240	1	1.60%	14
15	P13-L1-C1-CKT2	4	Copper	1 Set of 6	6.4	126	240	1	1.86%	15
16	P14-L1-C1-CKT2	5	Copper	1 Set of 6	5.646	157	240	1	2.20%	16
17	P15-L1-C1-CKT2	6	Copper	1 Set of 6	4.892	168	240	1	2.43%	17
18	P16-L1-C1-CKT2	7	Copper	1 Set of 6	4.138	148	240	1	2.57%	18
19	P17-L1-C1-CKT2	8	Copper	1 Set of 6	3.384	50	240	1	2.56%	19
20	EX Underpass LTG	9	Copper	1 Set of 6	2.63	30	240	1	2.65%	20

VOLTAGE DROP CALCULATIONS - CONTROLLER 2

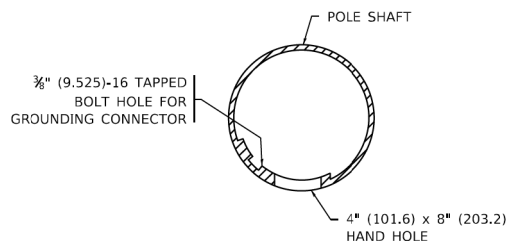
Point	Point Name	Source* Point	Conductor Type	Wire Size/Quantity	Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	Utility Published Data	0								1
2	P28-L1-C2-CKT1	1	Copper	1 Set of 6	10.83	119	240	1	0.47%	2
3	P27-L1-C2-CKT1	2	Copper	1 Set of 6	10.076	159	240	1	1.06%	3
4	P26-L1-C2-CKT1	3	Copper	1 Set of 6	9.322	151	240	1	1.58%	4
5	P25-L1-C2-CKT1	4	Copper	1 Set of 6	8.568	132	240	1	1.99%	5
6	P24-L1-C2-CKT1	5	Copper	1 Set of 6	7.814	111	240	1	2.31%	6
7	P23-L1-C2-CKT1	6	Copper	1 Set of 6	7.06	116	240	1	2.61%	7
8	P20-L1-C2-CKT1	7	Copper	1 Set of 6	4.798	101	240	1	2.79%	8
9	P19-L1-C2-CKT1	8	Copper	1 Set of 6	1.508	126	240	1	2.86%	9
10	P18-L1-C2-CKT1	9	Copper	1 Set of 6	0.754	63	240	1	2.87%	10
11	P29-L1-C2-CKT2	1	Copper	1 Set of 6	10.17	56	240	1	0.21%	11
12	P30-L1-C2-CKT2	2	Copper	1 Set of 6	9.416	63	240	1	0.69%	12
13	P31-L1-C2-CKT2	3	Copper	1 Set of 6	6.032	101	240	1	1.28%	13
14	P32-L1-C2-CKT2	4	Copper	1 Set of 6	5.278	147	240	1	1.86%	14
15	P33-L1-C2-CKT2	5	Copper	1 Set of 6	4.524	147	240	1	2.23%	15
16	P34-L1-C2-CKT2	6	Copper	1 Set of 6	3.77	157	240	1	2.53%	16
17	P35-L1-C2-CKT2	7	Copper	1 Set of 6	3.016	164	240	1	2.79%	17
18	P36-L1-C2-CKT2	8	Copper	1 Set of 6	2.262	137	240	1	2.90%	18
19	P37-L1-C2-CKT2	9	Copper	1 Set of 6	1.508	161	240	1	2.95%	19
20	P38-L1-C2-CKT2	10	Copper	1 Set of 6	0.754	149	240	1	2.92%	20

VOLTAGE DROP CALCULATIONS - CONTROLLER 2

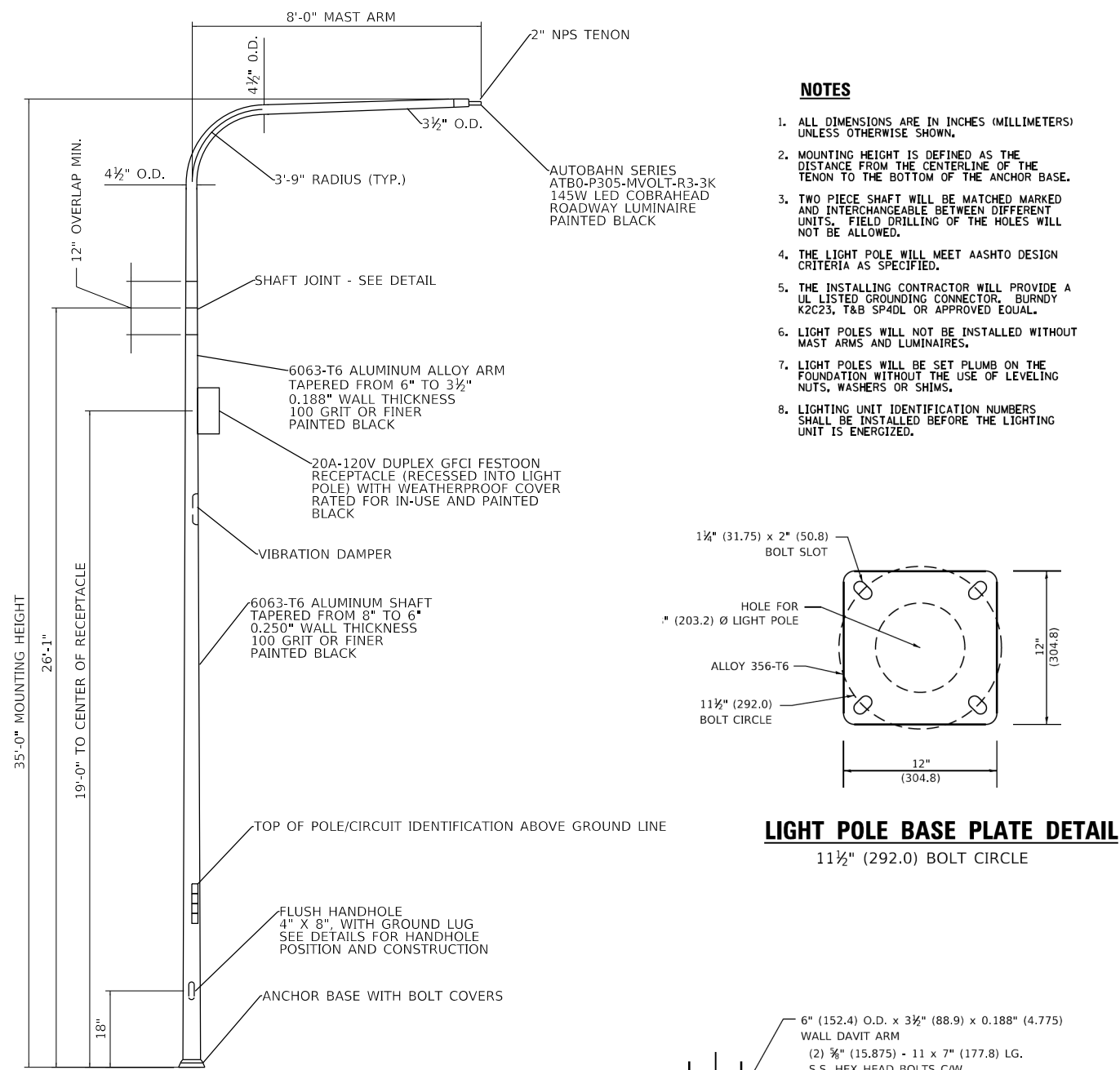
Point	Point Name	Source* Point	Conductor Type	Wire Size/Quantity	Load (A)	Distance	Voltage	Phase	**% Vdrop	Point
1	Utility Published Data	0								1
2	To Controller	1	Copper	1 Set of 6	3.016	1075	240	1	1.19%	2
3	Handhole	2	Copper	1 Set of 6	3.016	154	240	1	1.36%	3
4	E5-L1-C1-CKTNEW	3	Copper	1 Set of 6	3.016	149	240	1	1.52%	4
5	E4-L1-C1-CKTNEW	4	Copper	1 Set of 6	2.262	168	240	1	1.66%	5
6	E3-L1-C1-CKTNEW	5	Copper	1 Set of 6	1.508	150	240	1	1.75%	6
7	E2-L1-C1-CKTNEW	6	Copper	1 Set of 6	0.754	168	240	1	1.79%	7



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



HANDHOLE DETAIL
(N.T.S.)



LIGHT POLE (SPECIAL)

LIGHT POLE BASE PLATE DETAIL
11 1/2" (292.0) BOLT CIRCLE

DAVIT ARM CONNECTION
(14" (355.6) OVERLAP SHOWN)

- NOTES**
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 - MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 - TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 - THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 - THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 - LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 - LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 - LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

MODEL: Default
 FILE: \\hpc\pwworking\kimberly.com\hpc\pwworking\01\Documents\01_Active\Projects\MK-CHS-168112005 - Green Bay Road - Phase B12_Design\CAD\Draw_Sheets\168112005-act\light-D-detail02_K1A.dwg
 2024 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDLE ROAD SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-4600
 WWW.KIMLEY-HORN.COM

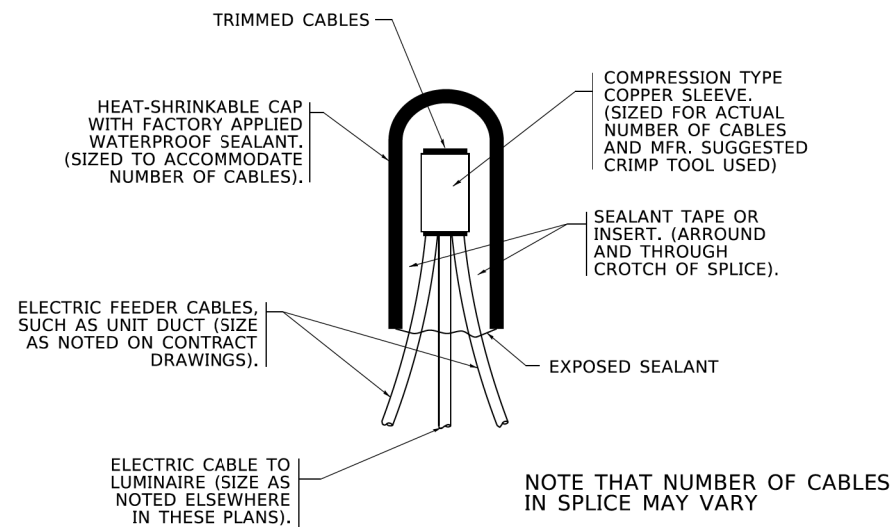


USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

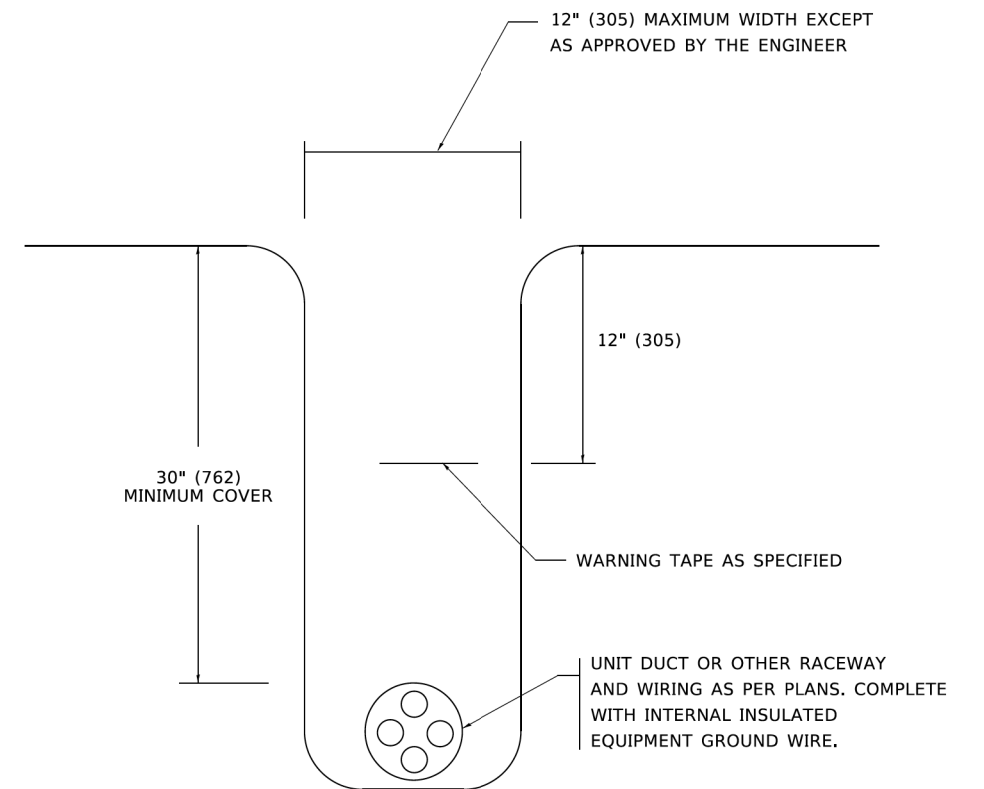
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE (SPECIAL) DETAIL AND VOLTAGE DROP CALCULATIONS		F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 162
SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61K60			

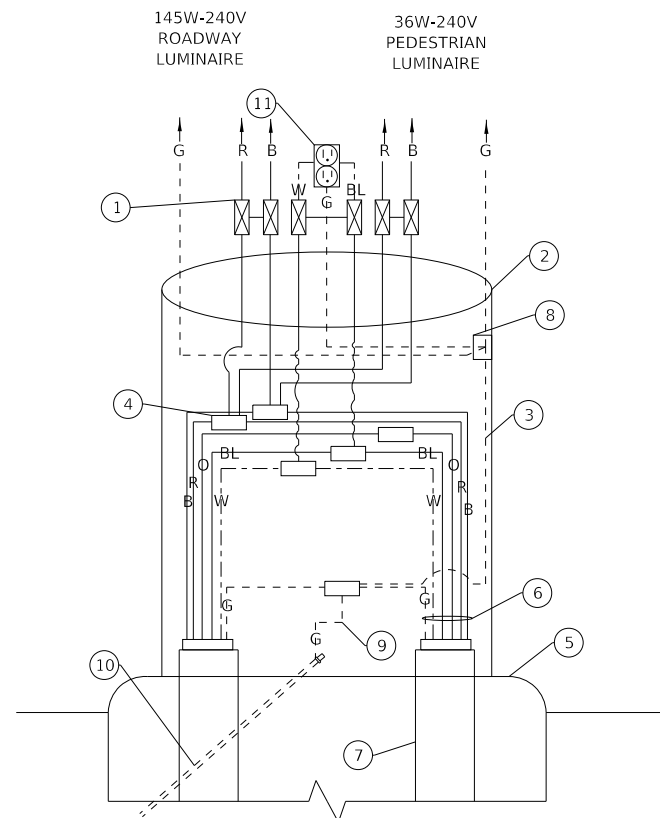
ILLINOIS	FED. AID PROJECT
----------	------------------



TYPICAL SPLICE DETAIL
N.T.S.

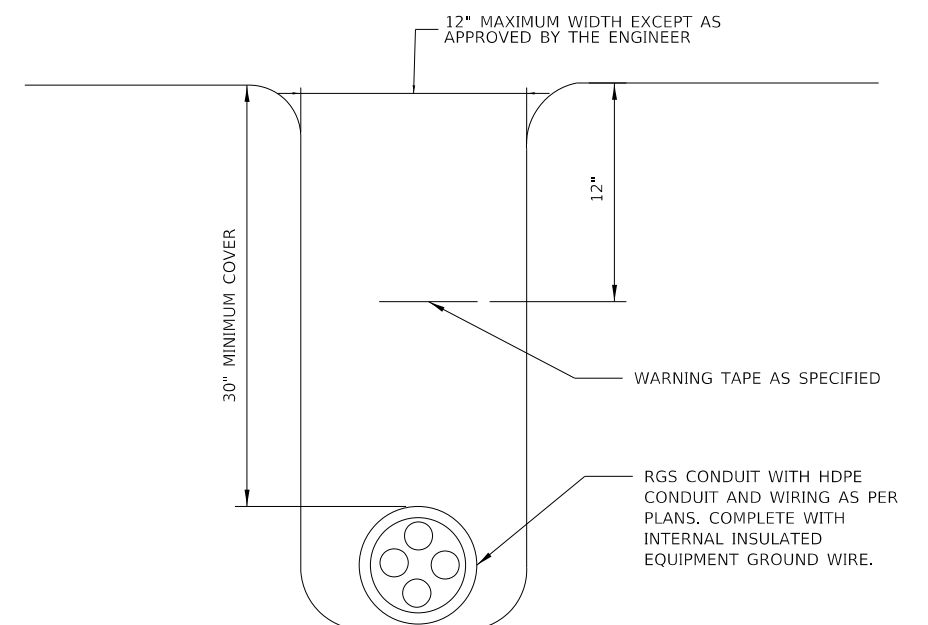


TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



LIGHT POLE HANDHOLE WIRING DIAGRAM

- ① 5A FUSE FOR ROADWAY LUMINAIRE, & 3A FUSE FOR RECEPTACLE (NEUTRAL SHALL BE NON-FUSED) 2-POLE BREAKWAY FUSE HOLDER & INSULATING BOOTS
 - ② XLP-TYPE USE POLE WIRES NO. 10 FOR LUMINAIRES AND NO. 12 FOR RECEPTACLES
 - ③ GROUND WIRE CONNECTED TO GROUND LUG IN LUMINAIRE (SIZED TO MATCH EQUIPMENT GROUND WIRE)
 - ④ MULTIPLE COMPRESSION FITTINGS (SPICE), TYP.
 - ⑤ CONCRETE FOUNDATION
 - ⑥ WIRES AS SHOWN ON PLANS
 - ⑦ PROPOSED LIGHTING CONDUIT PULLED THROUGH PVC RACEWAY
 - ⑧ POLE GROUND LUG, 1/4", 20 THREADED BOLT
 - ⑨ NO. 6 GROUND WIRE MECHANICALLY CLAMPED TO GROUND ROD
 - ⑩ GROUND ROD
 - ⑪ 15A-120V W.R. GFCI RECEPTACLE
- NOTE: POLE WIRING INSULATION COLORING TO MATCH BRANCH CIRCUIT WIRING
B=BLACK, R=RED, BL=BLUE, O=ORANGE, W=WHITE, G=GREEN



TYPICAL WIRING IN TRENCH AT ROADWAY CROSSINGS DETAIL
N.T.S.

MODEL: Default FILE NAME: p:\bentley\work\p01\Documents\01 Active Projects\WWCHS-168112005 - Green Bay Road - Phase II\2_Design\CADD\Plan Sheets\168112005-gh-light-D1-detail04.kia



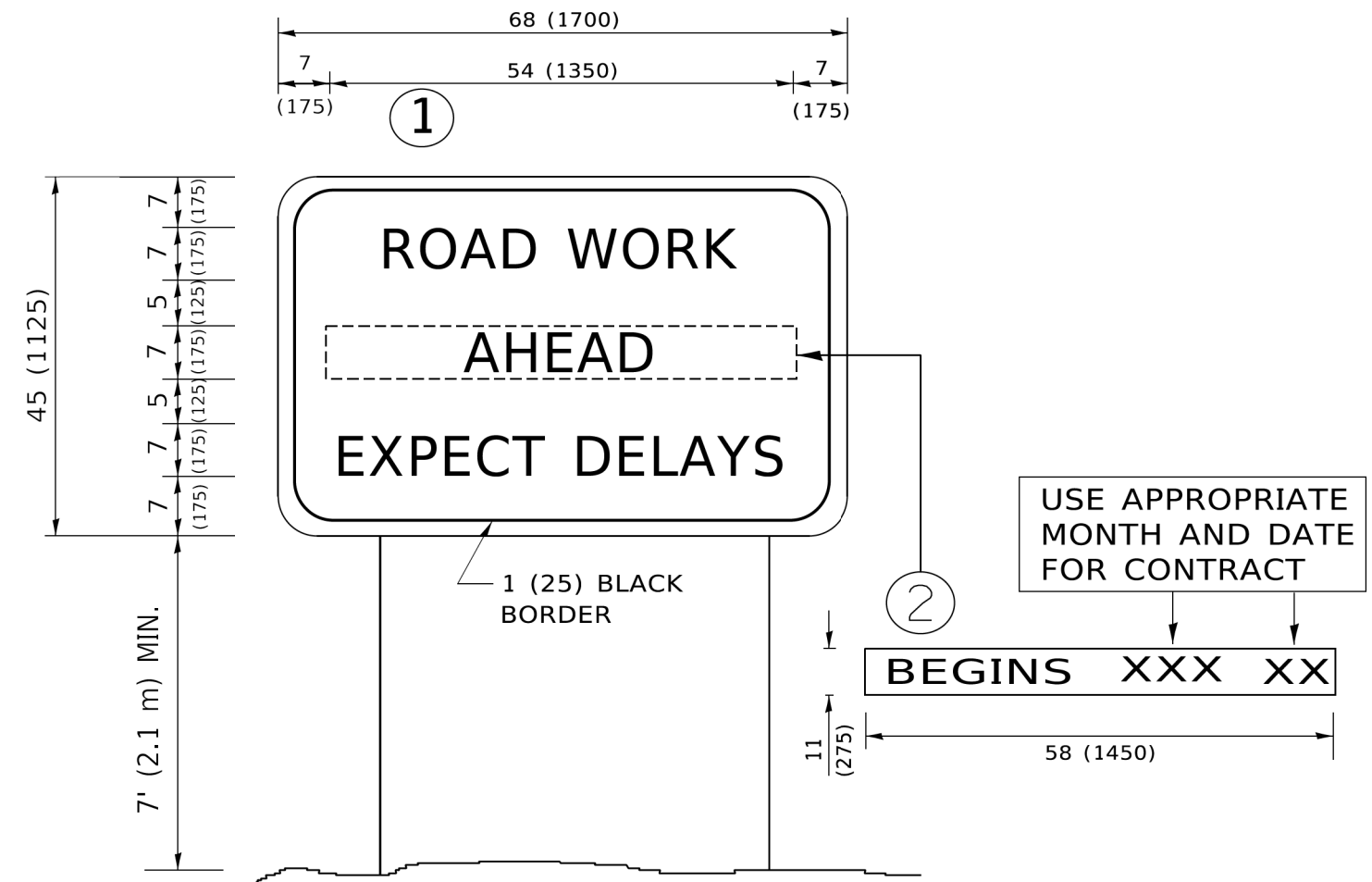
USER NAME = JoelTurk	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING 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	164
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: Default
 FILE: \\nas01\pub\pnh\hntby.com\hntby\01\Documents\01 Active Projects\MW\CHS-168112005 - Green Bay Road - Phase II\2 Design\CAD\Plan_Sheets\168112005-act\DOT-dets-04_KIA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WARFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM



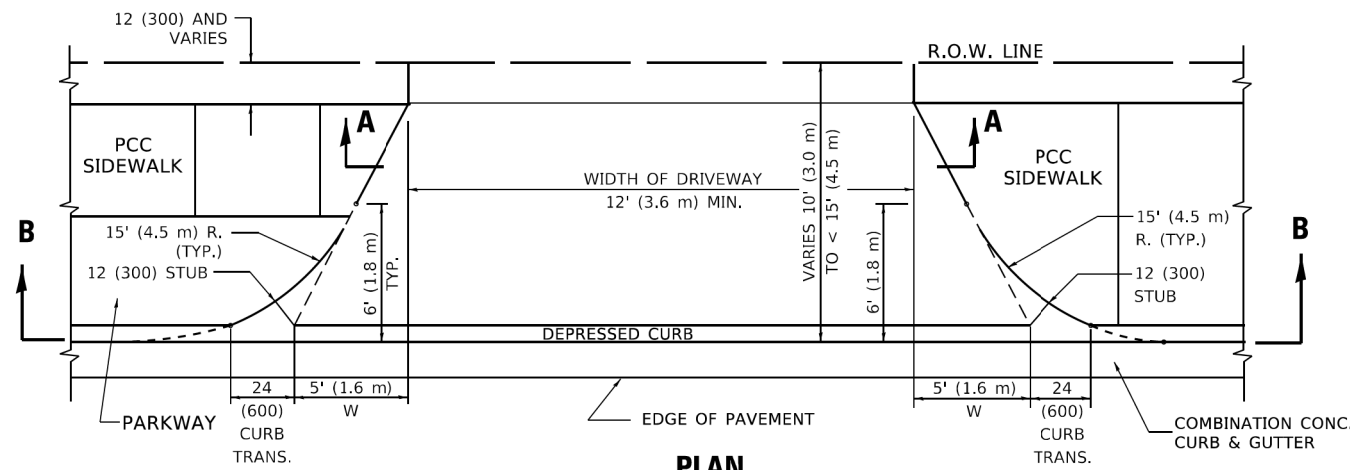
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

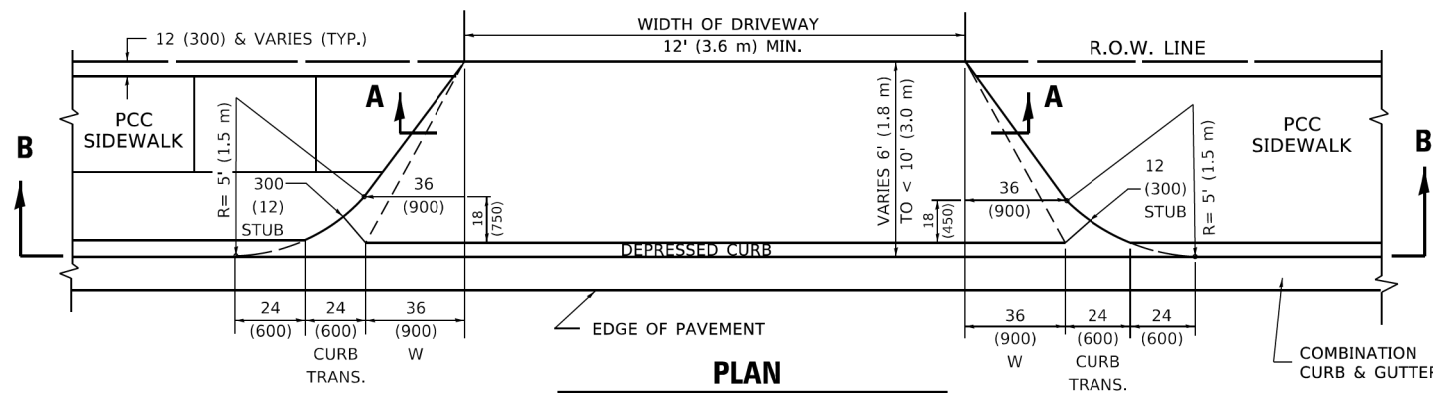
ARTERIAL ROAD
INFORMATION SIGN

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

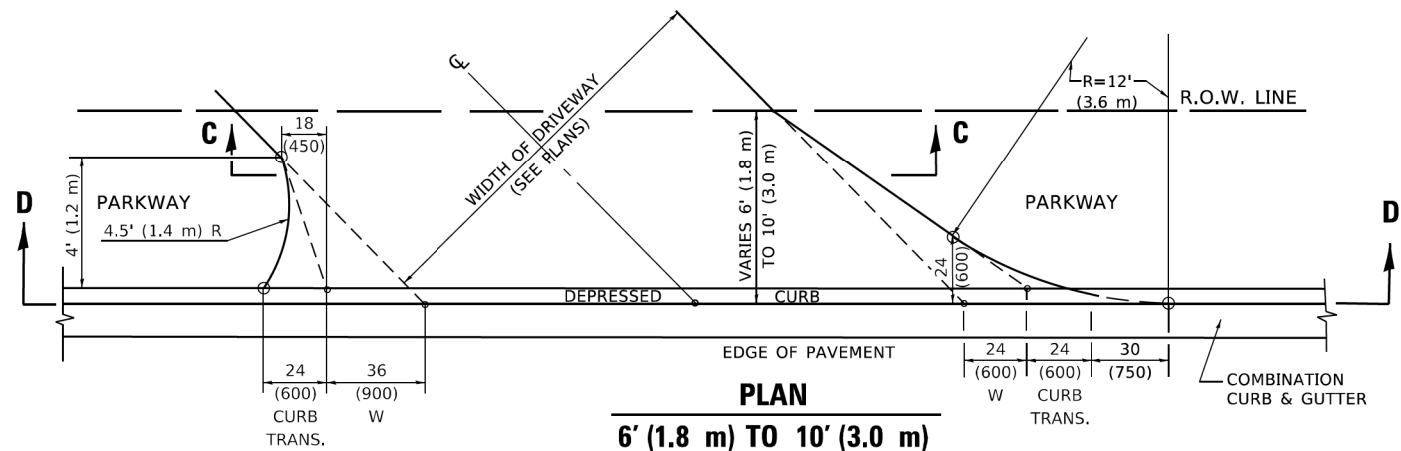
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-RS	COOK	191	171
TC-22			CONTRACT NO. 61K60	
ILLINOIS FED. AID PROJECT				



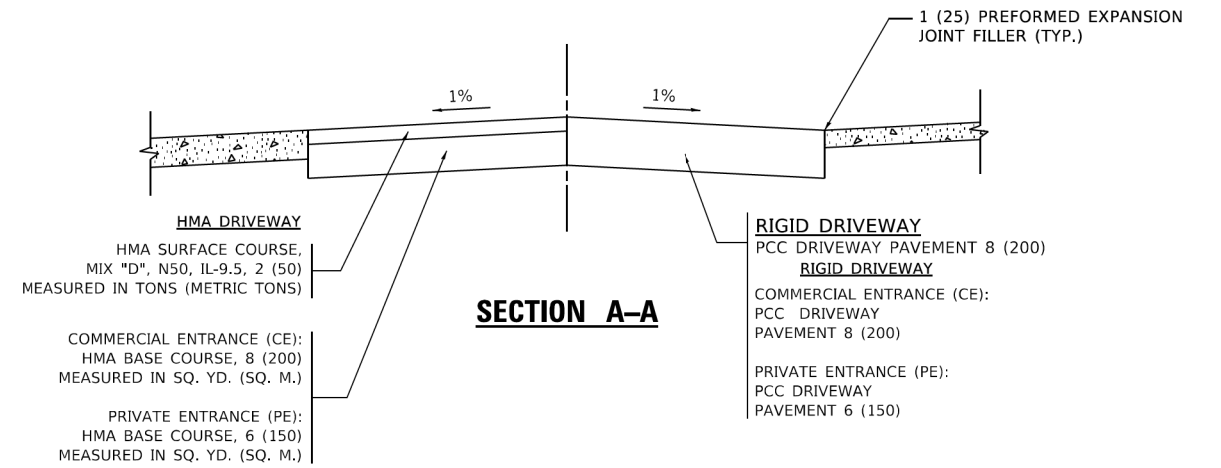
PLAN
10' (3.0 m) TO < 15' (4.5 m)



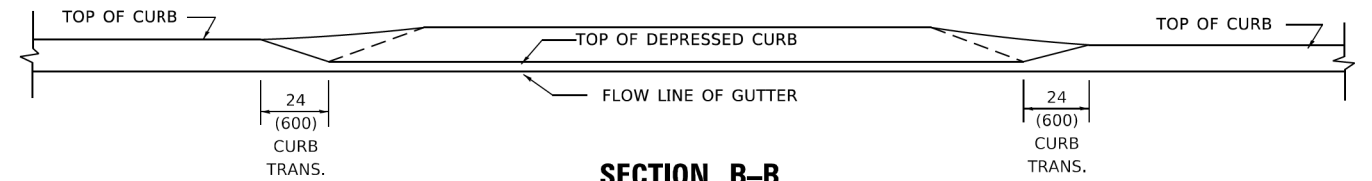
PLAN
6' (1.8 m) TO < 10' (3.0 m)



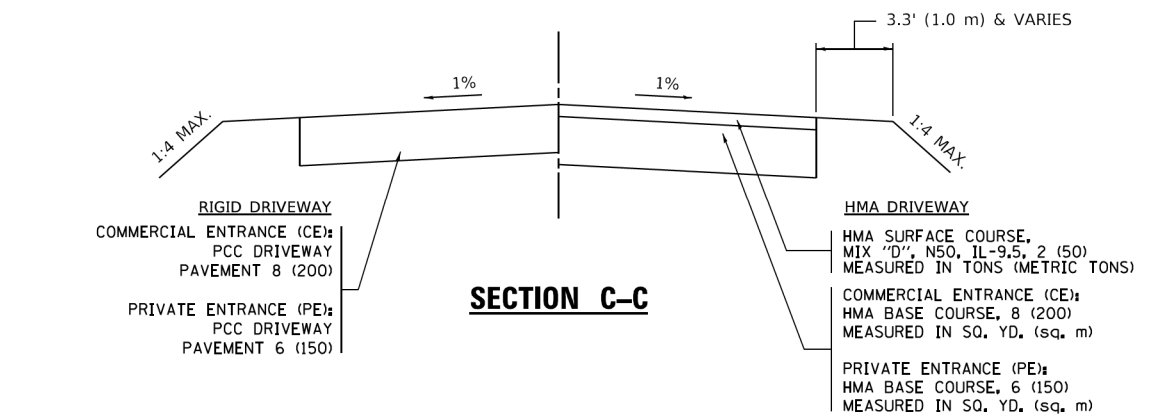
PLAN
6' (1.8 m) TO 10' (3.0 m)



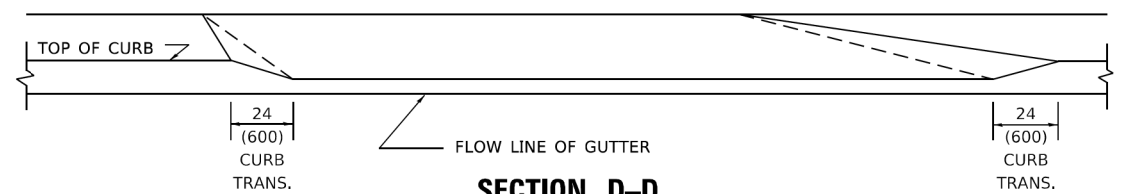
SECTION A-A



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.

KimleyHorn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100,0000' / in.	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**

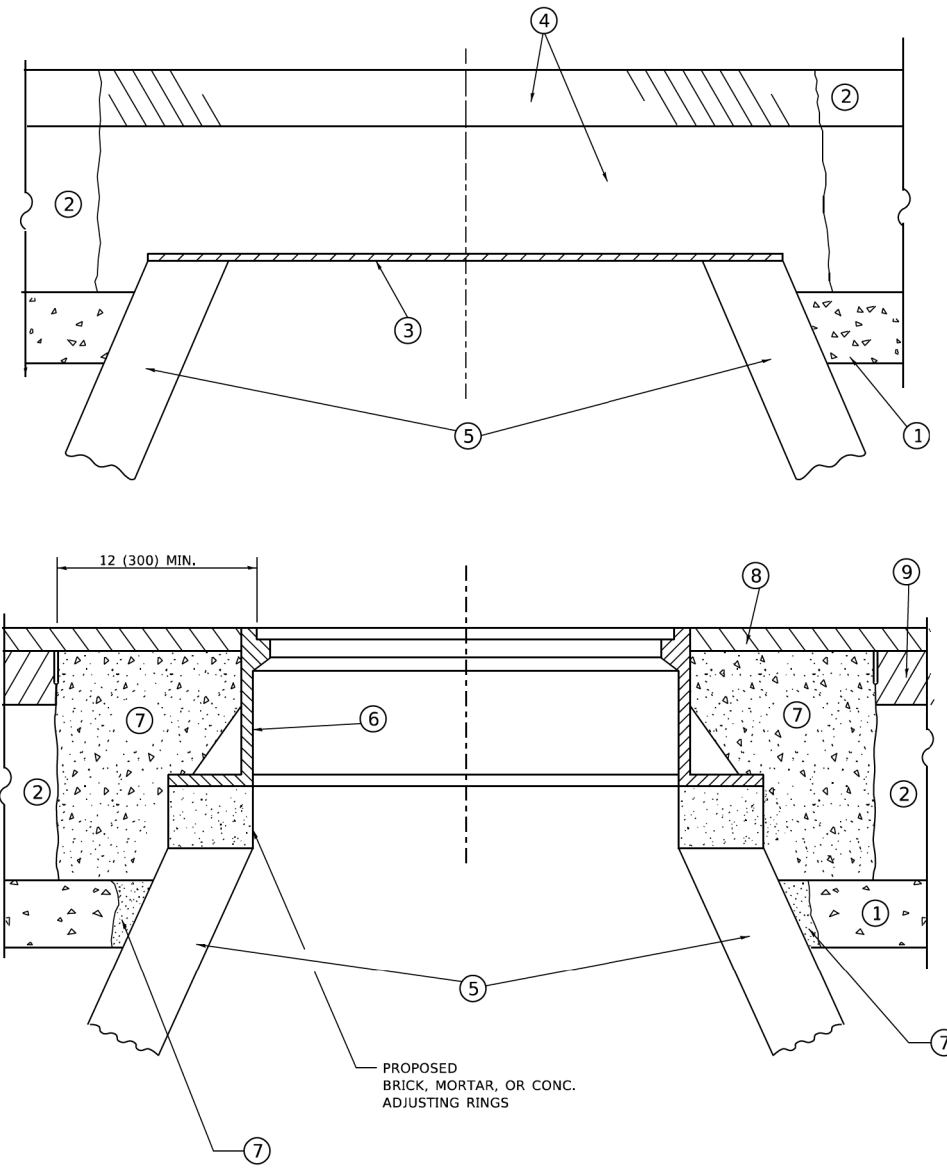
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	173
BD400-02 (BD-02)		CONTRACT NO. 61K60		
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: p:\pub\pwbentley.com\shp\01\Documents\01_Active Projects\MK-CHS-168112005 - Green Bay Road - Phase B2_Design\CAD\Bentley Sheets\168112005-02-DR-06_KHA.dgn

© 2014 KIMLEY-HORN AND ASSOCIATES, INC.
400 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60090
PHONE: 630-471-6500
WWW.KIMLEY-HORN.COM



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

- STAGE 2 (AFTER PAVEMENT MILLING)**
- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
 FILE: h:\mhc\p\sub\pub\benby.com\h\p\01\Documents\01_Active\Projects\MK-CUS-168112005 - Green Bay Road - Phase II\2_Design\CADD\Plan_Sheets\168112005-Sub\DOT-dets-07_KIA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM



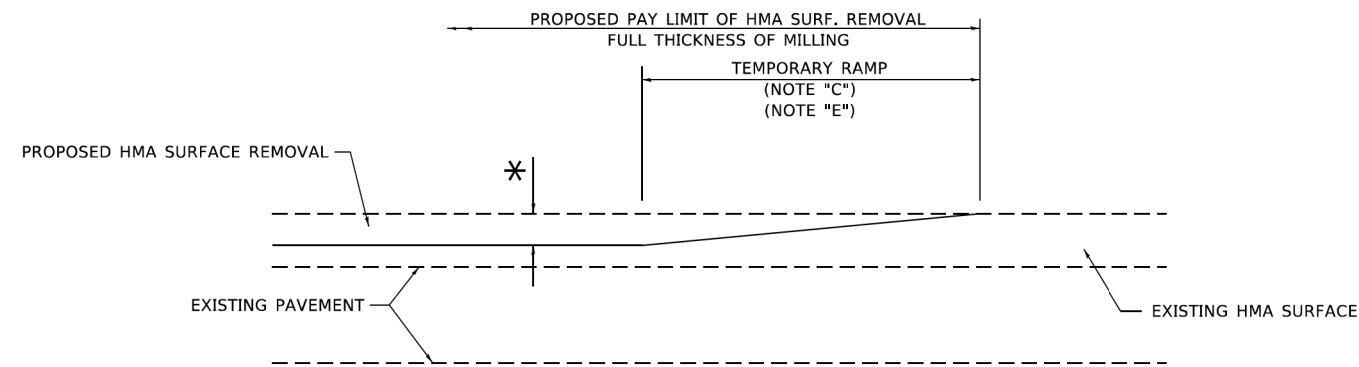
USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

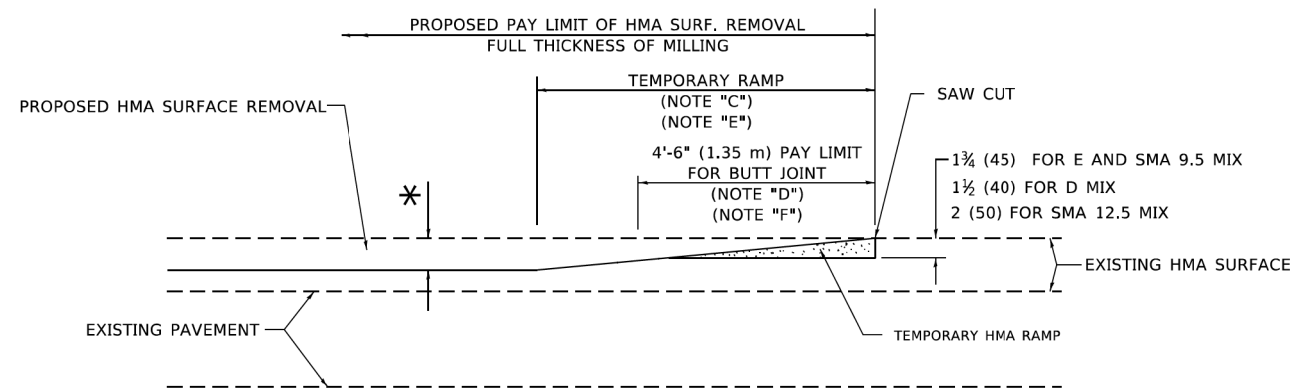
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	174
BD600-03 (BD-08)			CONTRACT NO. 61K60	
ILLINOIS FED. AID PROJECT				



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

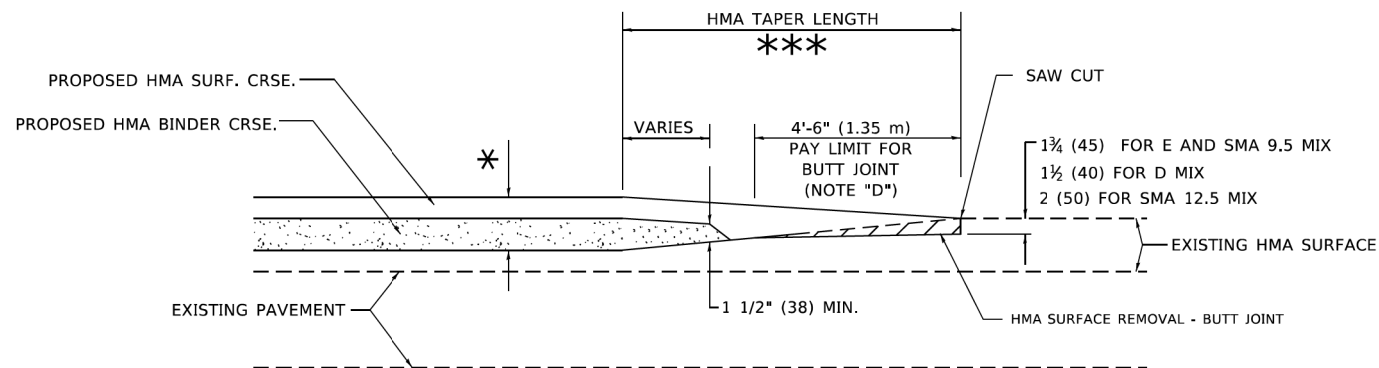
OPTION 1



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

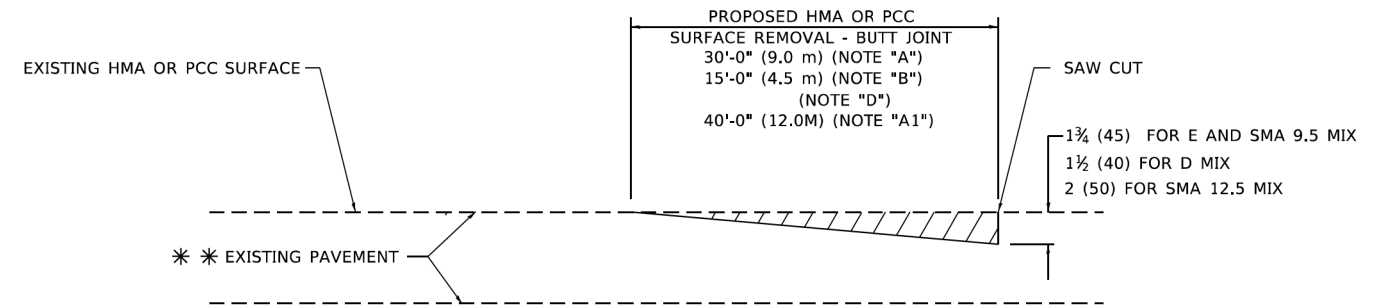
OPTION 2

TYPICAL TEMPORARY RAMP

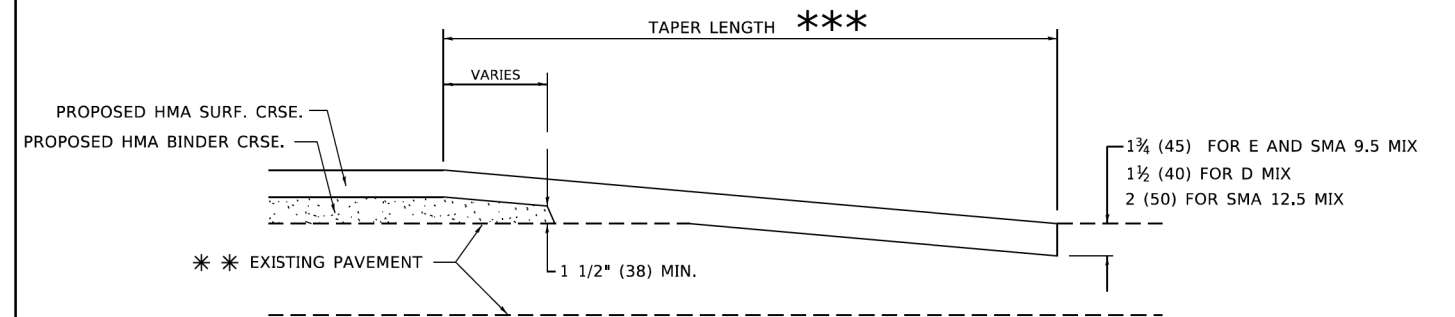


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

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: hma_rte_pav_bentley.com\shp\p\01\Documents\01_Active\Projects\HW\CHS-168112005 - Green Bay Road - Phase II_2_Design\CADD\Bent Sheets\168112005-shb-dot-det-09_KIA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60090
 PHONE: 630-487-6600
 WWW.KIMLEY-HORN.COM



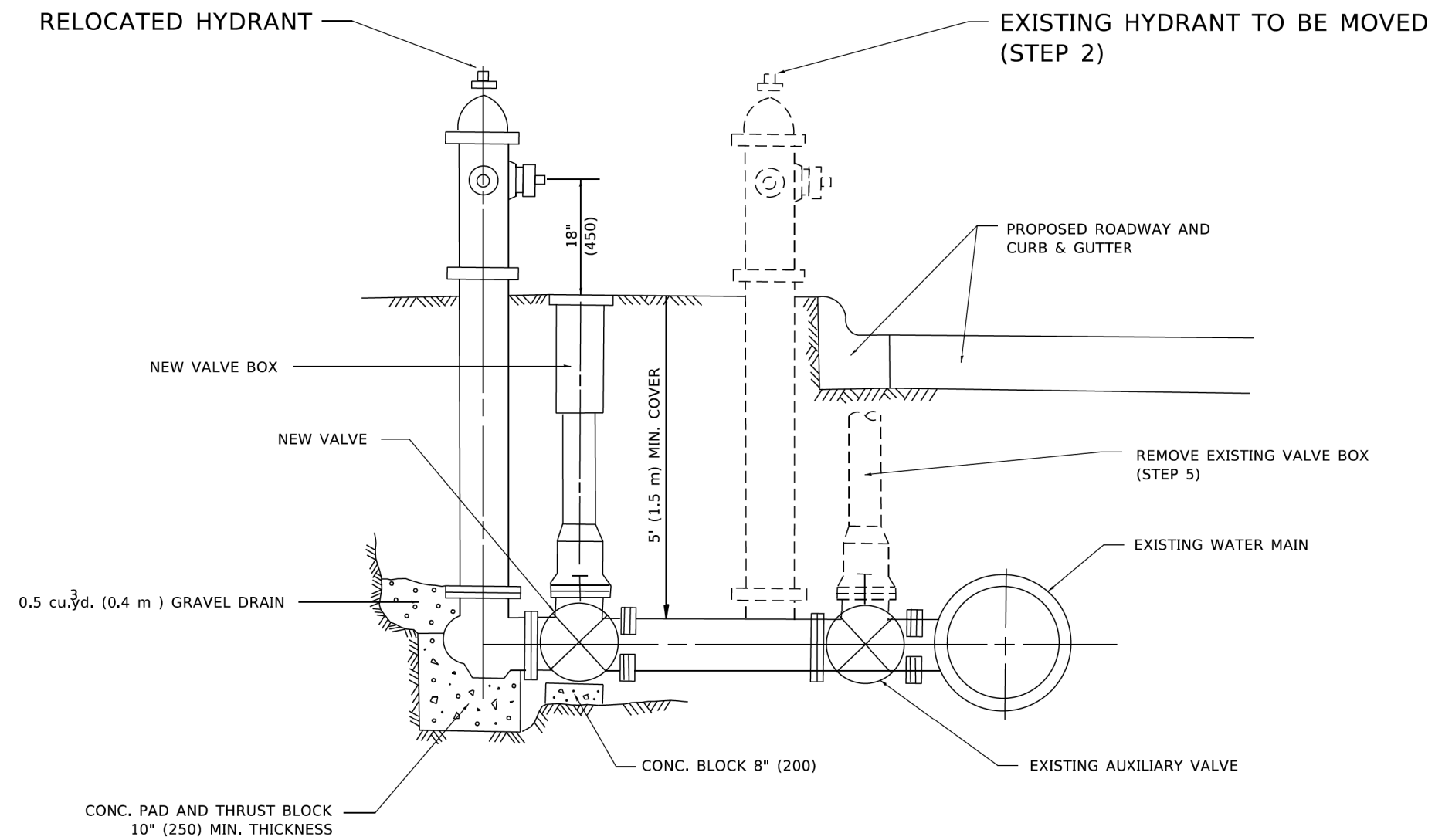
USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

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-R5	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
 FILE: \\nas101.pw.bentley.com\hpb\p-01\Documents\01 Active Projects\WW\CHS-168112005 - Green Bay Road - Phase II\2-Design\CAD\Plan Sheets\168112005-act\DOT-dets-10_KVA.dgn
 © 2014 KIMLEY-HORN AND ASSOCIATES, INC.
 400 WINDFIELD ROAD, SUITE 600
 WARRENVILLE, IL 60550
 PHONE: 630-471-6500
 WWW.KIMLEY-HORN.COM

KimleyHorn

USER NAME = demanchelt	DESIGNED -	REVISED - R. SHAH 09-09-94
	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100,0000' / 1in.	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

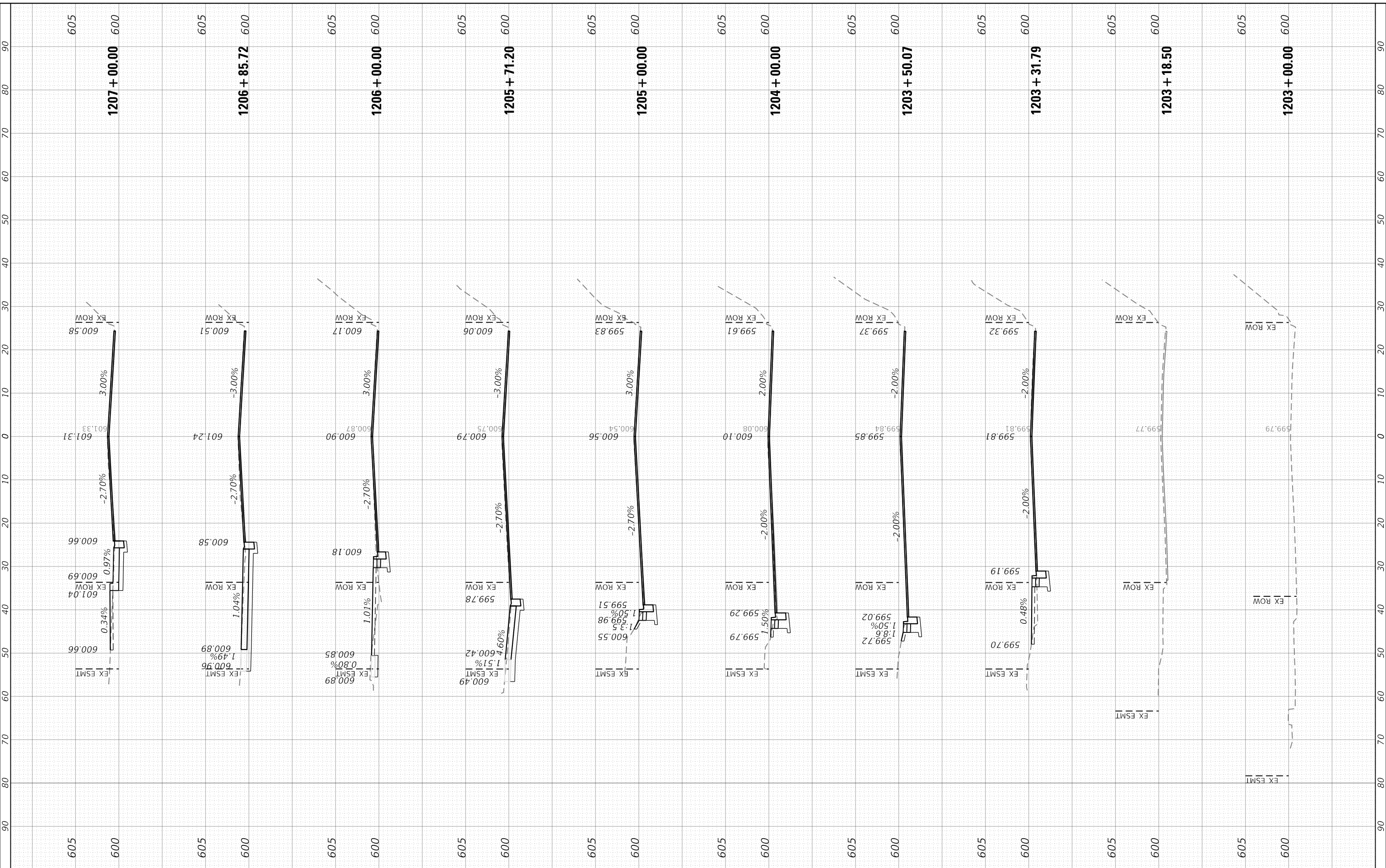
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

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		
	AREAS CHECKED		

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

MODEL: Defn.rvt
 FILE NAME: D:\work\paw.bentley.com\hpw\01\Documents\01_Active\Projects\HW-CPIS-168112005 - Green Bay Road - Phase 02_Design\CAD\Plan_Sheets\168112005-ent-ss-tab_v.dgn



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**

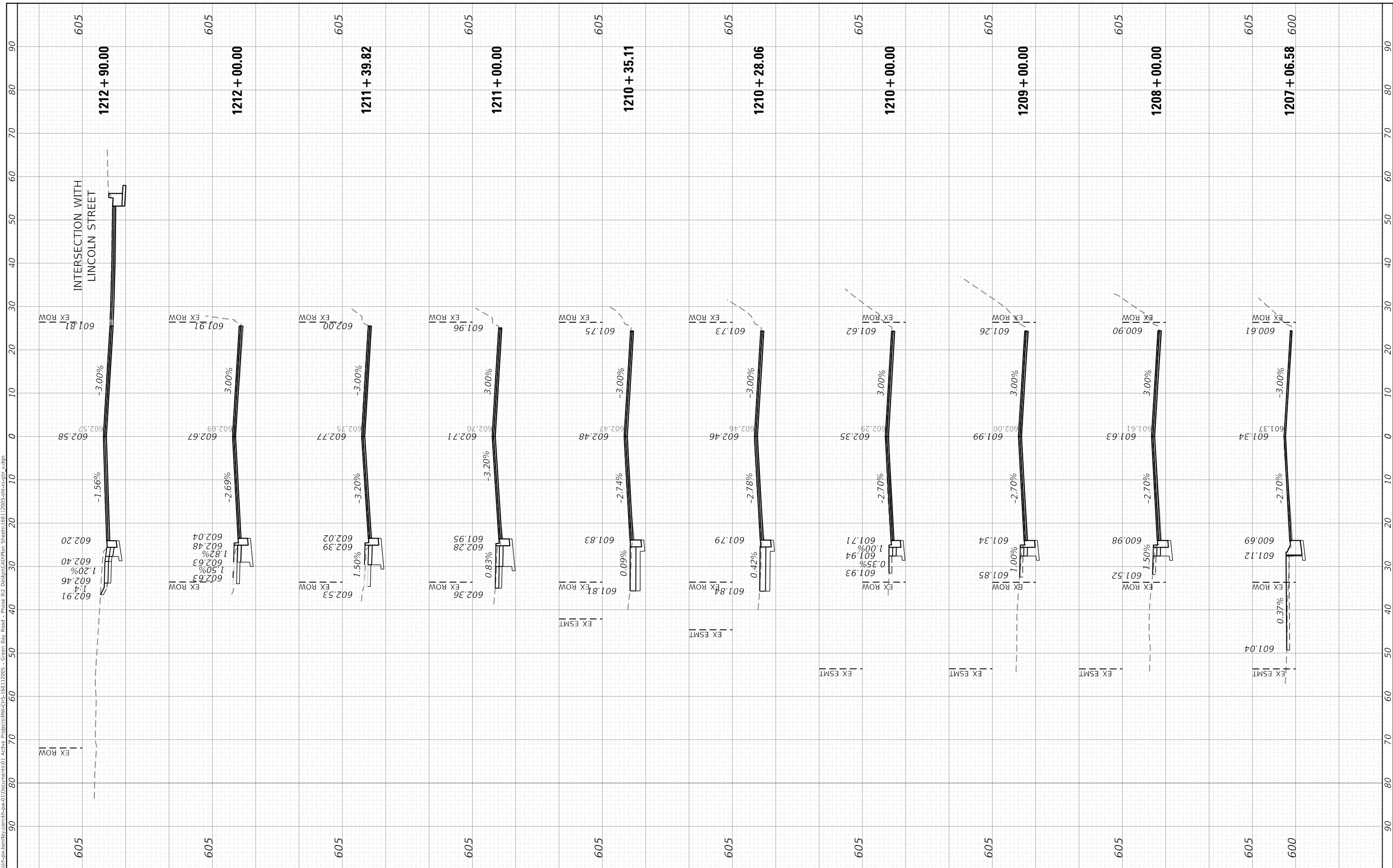
SCALE: 1" = 10' (H) 1" = 5' (V) SHEET 1 OF 10 SHEETS STA. 1203+00.00 TO STA. 1207+00.00

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 177
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
 FILE NAME: D:\work\paw.bentley.com\hpw\01\Documents\01_Active Projects\HW-CRIS-168112005 - Green Bay Road - Phase 02 Design\CAD\Plan Sheets\168112005-ent-ss-tab.vxdm



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 2 OF 10 SHEETS STA. 1207+06.58 TO STA. 1212+90.00

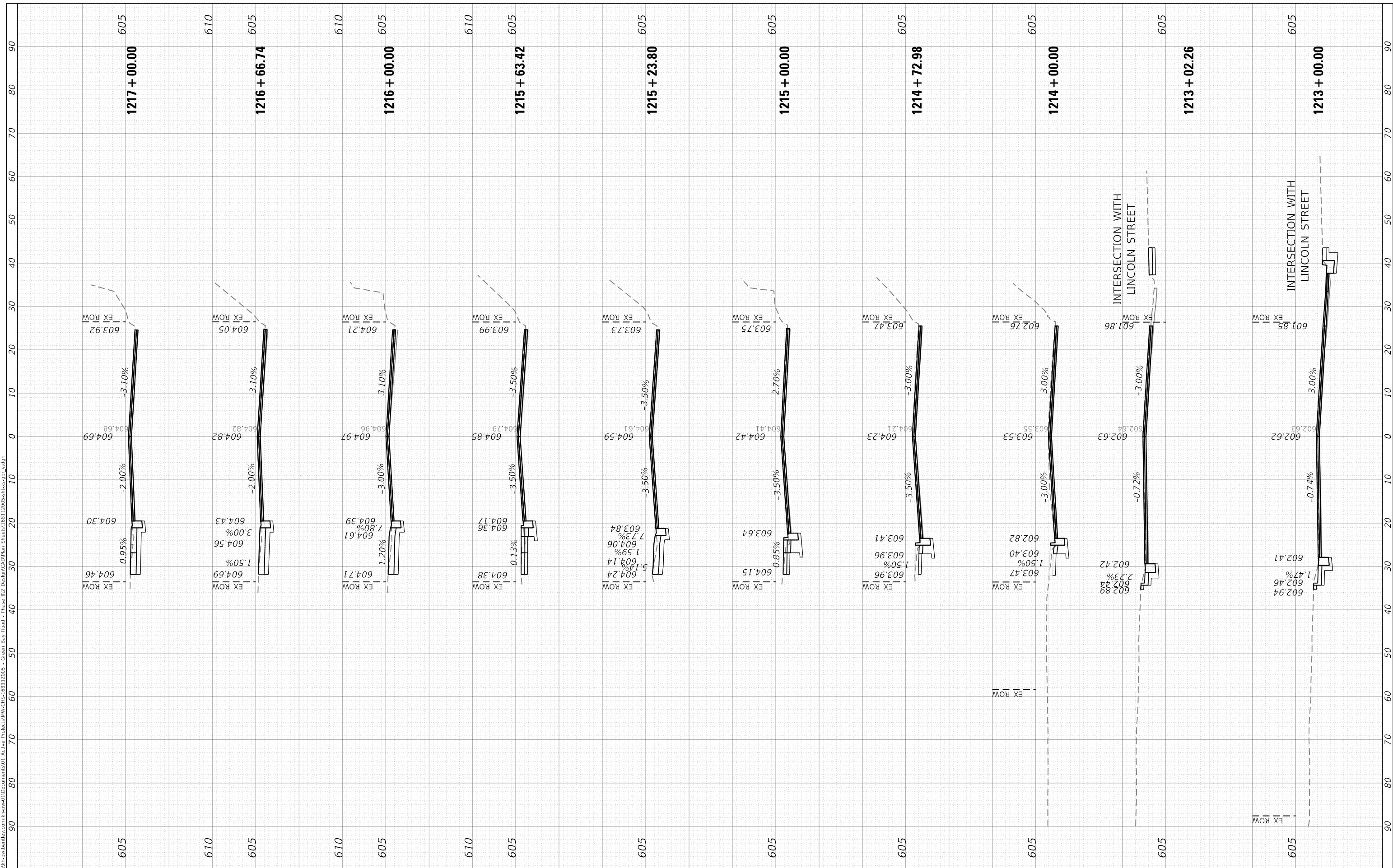
F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 178
CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT

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

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

MODEL: Defn.rvt
 FILE NAME: D:\work\paw.bentley.com\hpw\01\Documents\01_Active\Projects\HW-CIS-168112005 - Green Bay Road - Phase 02 Design\CAD\Plan Sheets\168112005-ent-ss-sub.vxdm



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 3 OF 10 SHEETS STA. 1213+00.00 TO STA. 1217+00.00

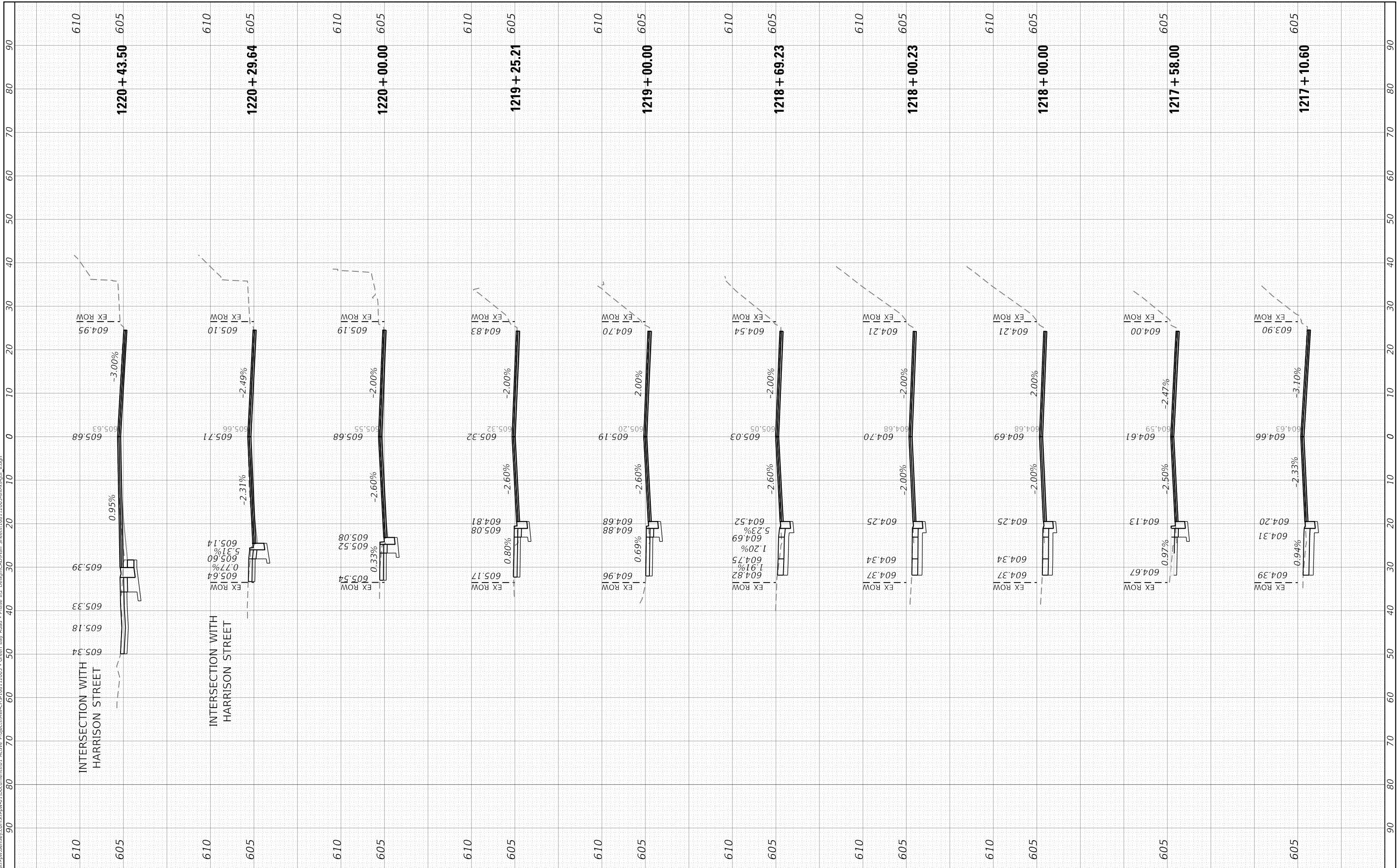
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	179
CONTRACT NO. 61K60				

ILLINOIS FED. AID PROJECT

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

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

MODEL: Defn.rvt
 FILE NAME: D:\w\p\w\abentley.com\hwp\01\Documents\01 Active Projects\HW-CPIS-168112005 - Green Bay Road - Phase 02 Design\CAD\Plan Sheets\168112005-ent-ss-sub_v.dgn



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**

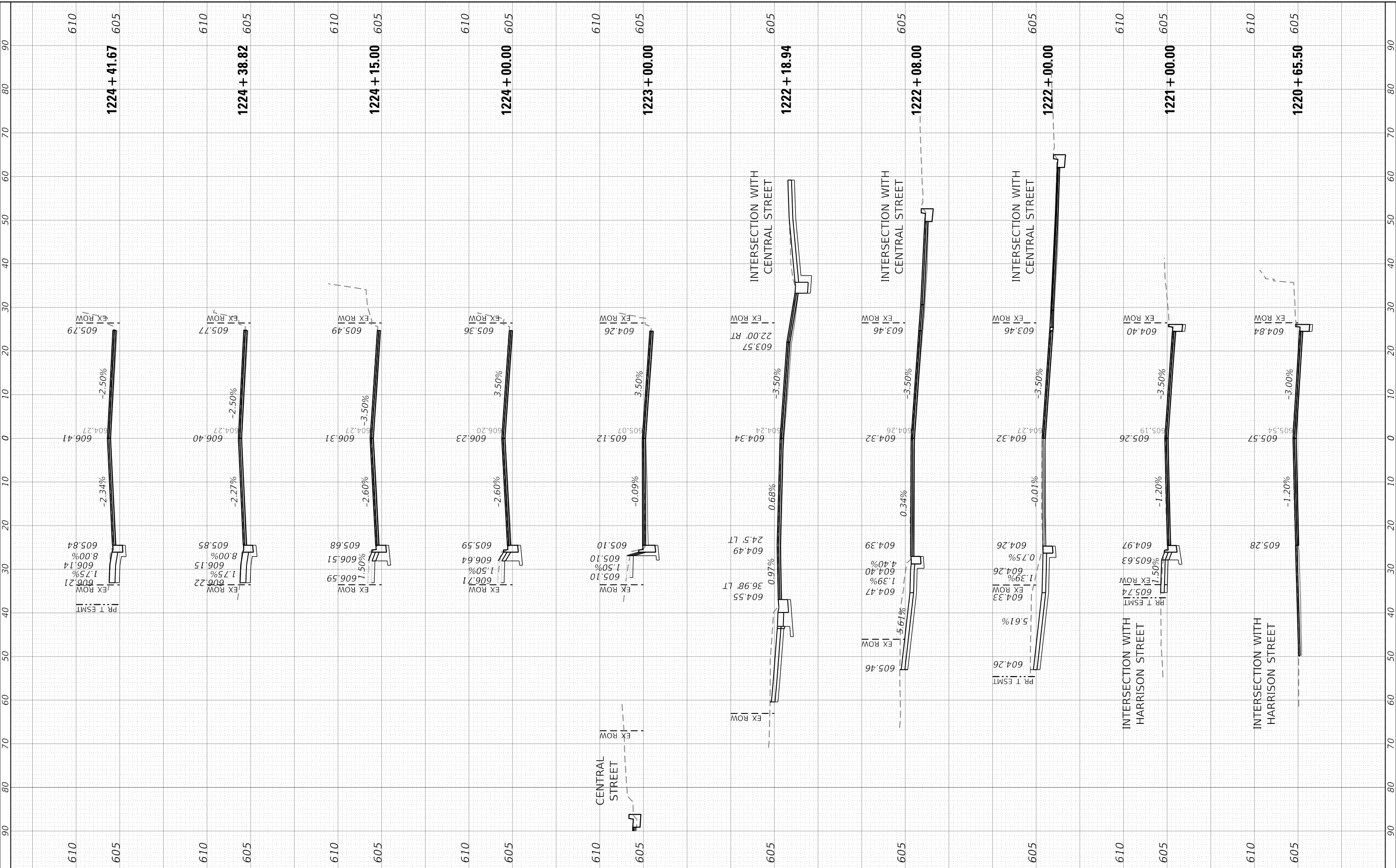
SCALE: 1" = 10' (H) 1" = 5' (V) SHEET 4 OF 10 SHEETS STA. 1217+10.60 TO STA. 1220+43.50

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

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: Defn.rvt
FILE NAME: D:\work\paw.bentley.com\hwpw01\Documents\01_Active\Projects\HW-CPS-168112005 - Green Bay Road - Phase 02_Design\CAD\Plan_Sheets\68112005-ent-ss-sub-a.dwg



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**

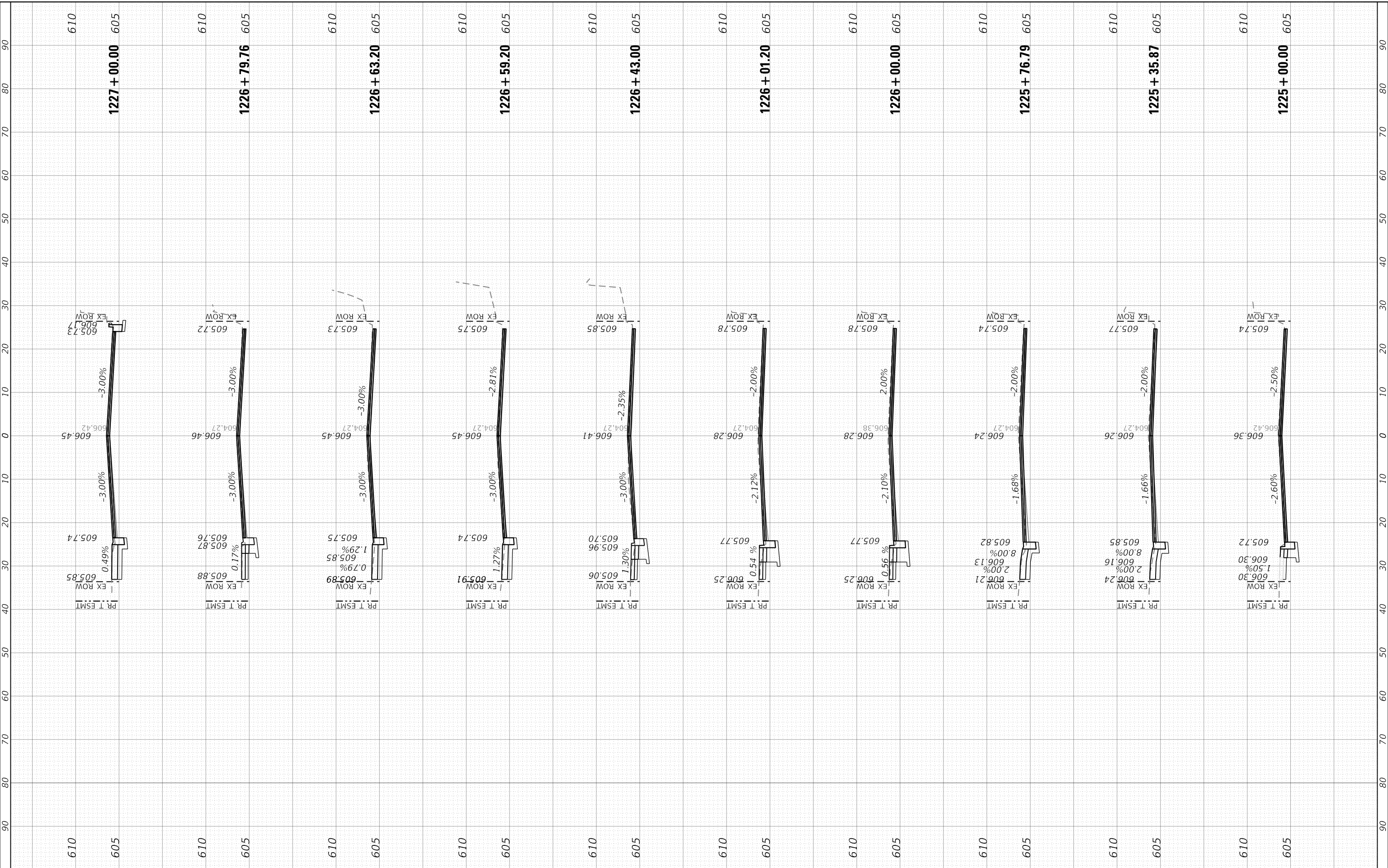
SCALE: 1" = 10' (H) 1" = 50' (V) SHEET 5 OF 10 SHEETS STA. 1220+65.50 TO STA. 1224+41.67

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 AREAS CHECKED	BY	DATE
NOTE BOOK	PLOTTED TEMPLATE		
	AREAS CHECKED		

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

MODEL: Definit
 FILE NAME: D:\work\paw.bentley.com\hpw\01\Documents\01_Active\Projects\HW-CRIS-16811205 - Green Bay Road - Phase 02_Design\CAD\Plan_Sheets\16811205-ent-ss-sub_v.dgn



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**

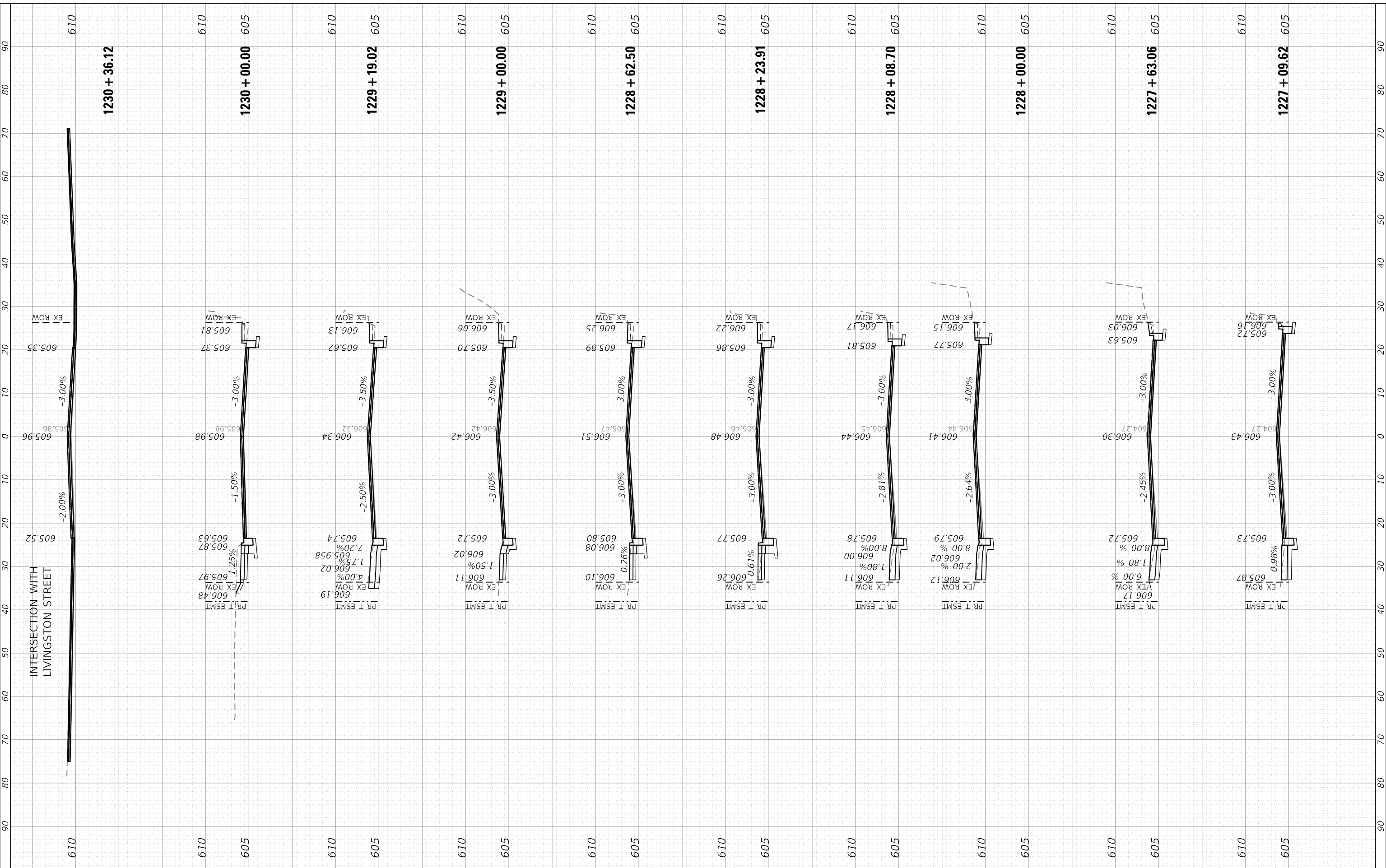
SCALE: 1" = 10' (H) / 1" = 50' (V) SHEET 6 OF 10 SHEETS STA. 1225+00.00 TO STA. 1227+00.00

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

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: Defnair
 FILE NAME: D:\work\paw.bentley.com\hpw-d\Documents\01_Active Projects\HW-CHS-168112005 - Green Bay Road - Phase 02_Deign\CAD\Plan_Sheets\168112005-ent-ss-sub_v.dgn



INTERSECTION WITH
LIVINGSTON STREET



USER NAME = Mkelly	DESIGNED - MK	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - MK	REVISED -
PLOT DATE = 6/10/2024	CHECKED - RB	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 10' (H) 1" = 50' (V)	SHEET 7	OF 10 SHEETS	STA. 1227+09.62 TO STA. 1230+36.12
-------------------------------------	---------	--------------	------------------------------------

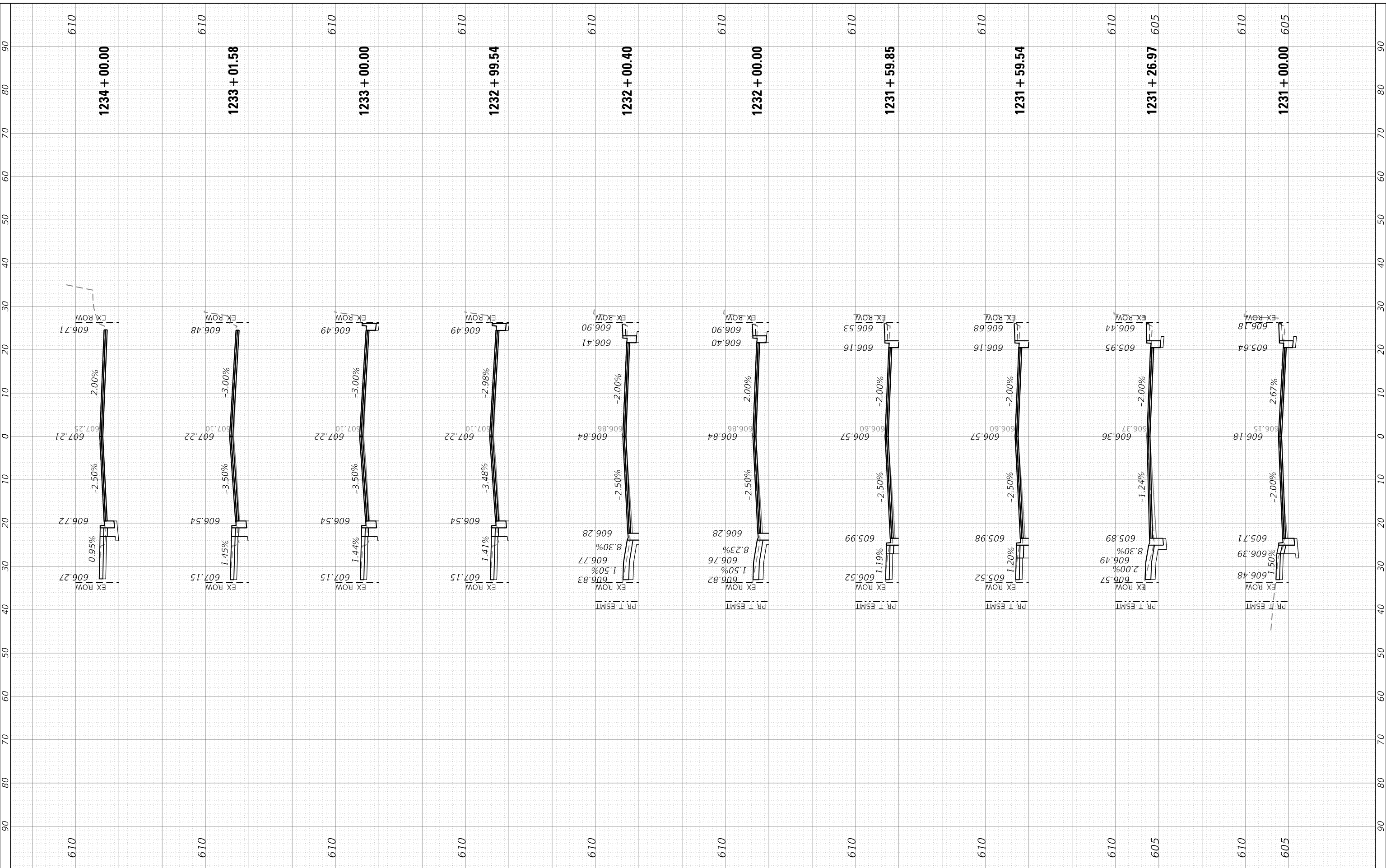
CROSS SECTIONS
GREEN BAY ROAD

F.A.U. RTE. 2744	SECTION 19-00285-00-R5	COUNTY COOK	TOTAL SHEETS 191	SHEET NO. 183
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K60	

FINAL SURVEY NO.	SURVEYED AREAS	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS	BY	DATE

MODEL: Defn.rvt
FILE NAME: D:\work\paw.bentley.com\hpw\01\Documents\01_Active\Projects\HW-CRIS-168112005 - Green Bay Road - Phase 02_Design\CAD\Plan_Sheets\168112005-ent-ss-01b_v.dgn



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**

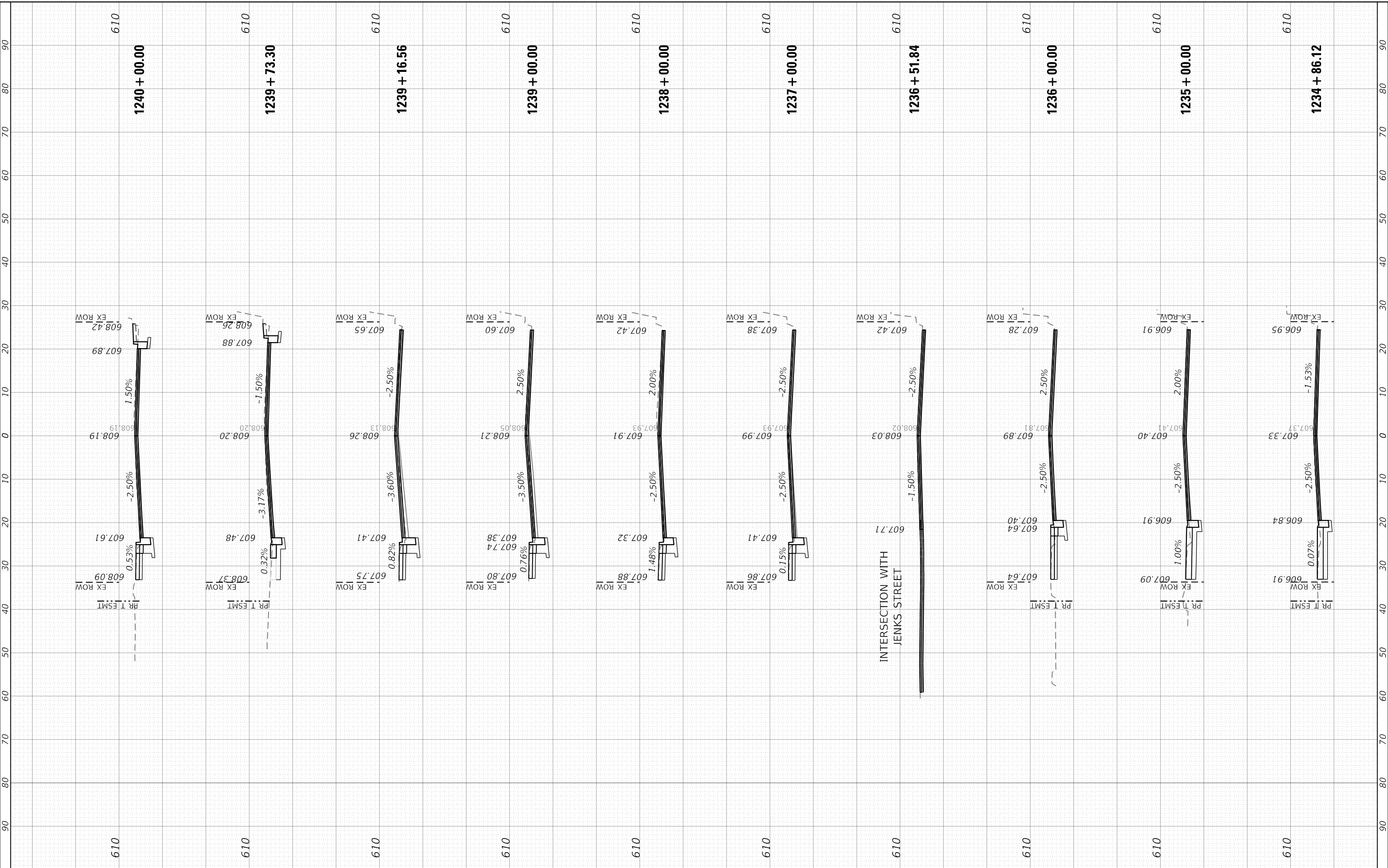
SCALE: 1" = 10' (H) 1" = 50' (V) SHEET 8 OF 10 SHEETS STA. 1231+00.00 TO STA. 1234+00.00

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		
	AREAS CHECKED		

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

MODEL: Defn.rvt
 FILE NAME: D:\work\paw.bentley.com\hpw\01\Documents\01_Active Projects\HW-CHS-168112005 - Green Bay Road - Phase 02 Design\CAD\Plan Sheets\168112005-ent-ss-sub_v.dgn



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

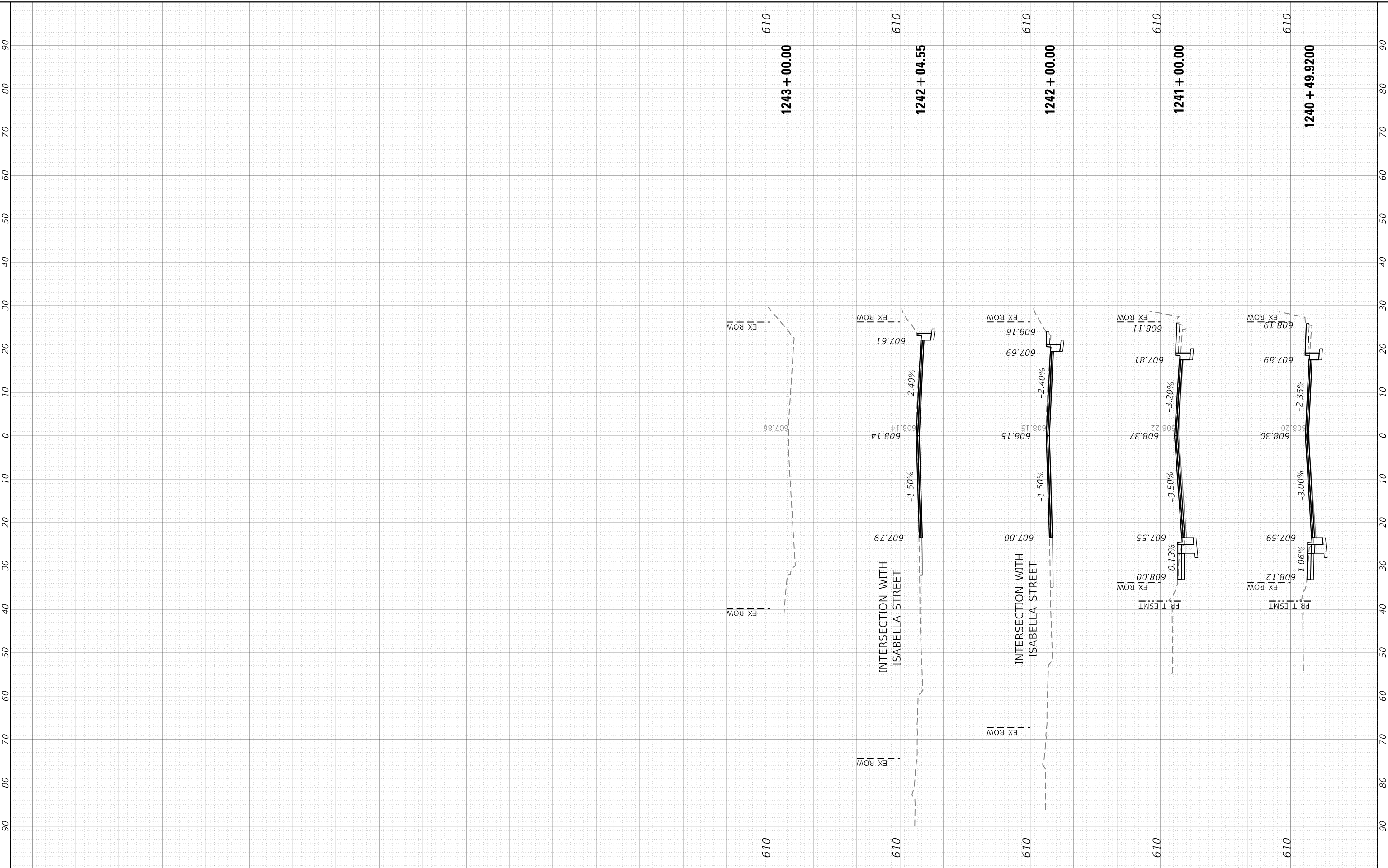
SCALE: 1" = 10' (H) 1" = 5' (V) SHEET 9 OF 10 SHEETS STA. 1230+80.9200 TO STA. 1240+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	185
CONTRACT NO. 61K60				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defn.rvt
 FILE NAME: D:\a\whp\w\benlby.com\hwp\01\Documents\01 Active Projects\HW-CRIS-168112005 - Green Bay Road - Phase 02 Design\CAD\Plan Sheets\168112005-ent-ss-plot.vdgn



USER NAME = Mkelly	DESIGNED - MK	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - MK	REVISED -
PLOT DATE = 6/10/2024	CHECKED - RB	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 GREEN BAY ROAD**

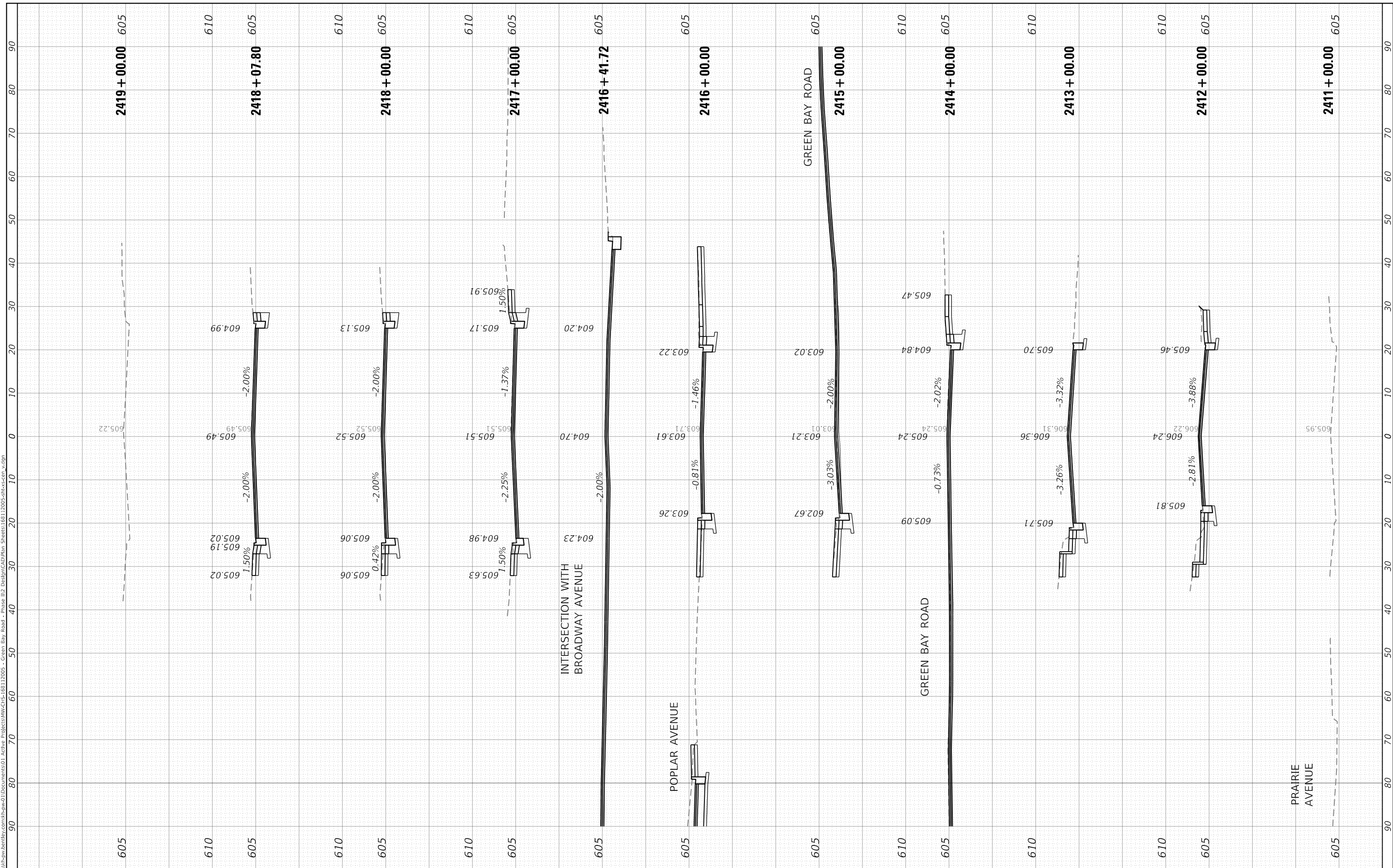
SCALE: 1" = 10' (H) 1" = 5' (V) SHEET 10 OF 10 SHEETS STA. 1240+49.92 TO STA. 1243+00.00

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	
	AREAS CHECKED	

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

MODEL: Defn.rvt
 FILE NAME: D:\work\paw.bentley.com\hpaw01\Documents\01_Active\Projects\HW-CRIS-168112005 - Green Bay Road - Phase 02 Design\CAD\Plan_Sheets\168112005-ent-sec06_v.dgn



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
 CENTRAL STREET**

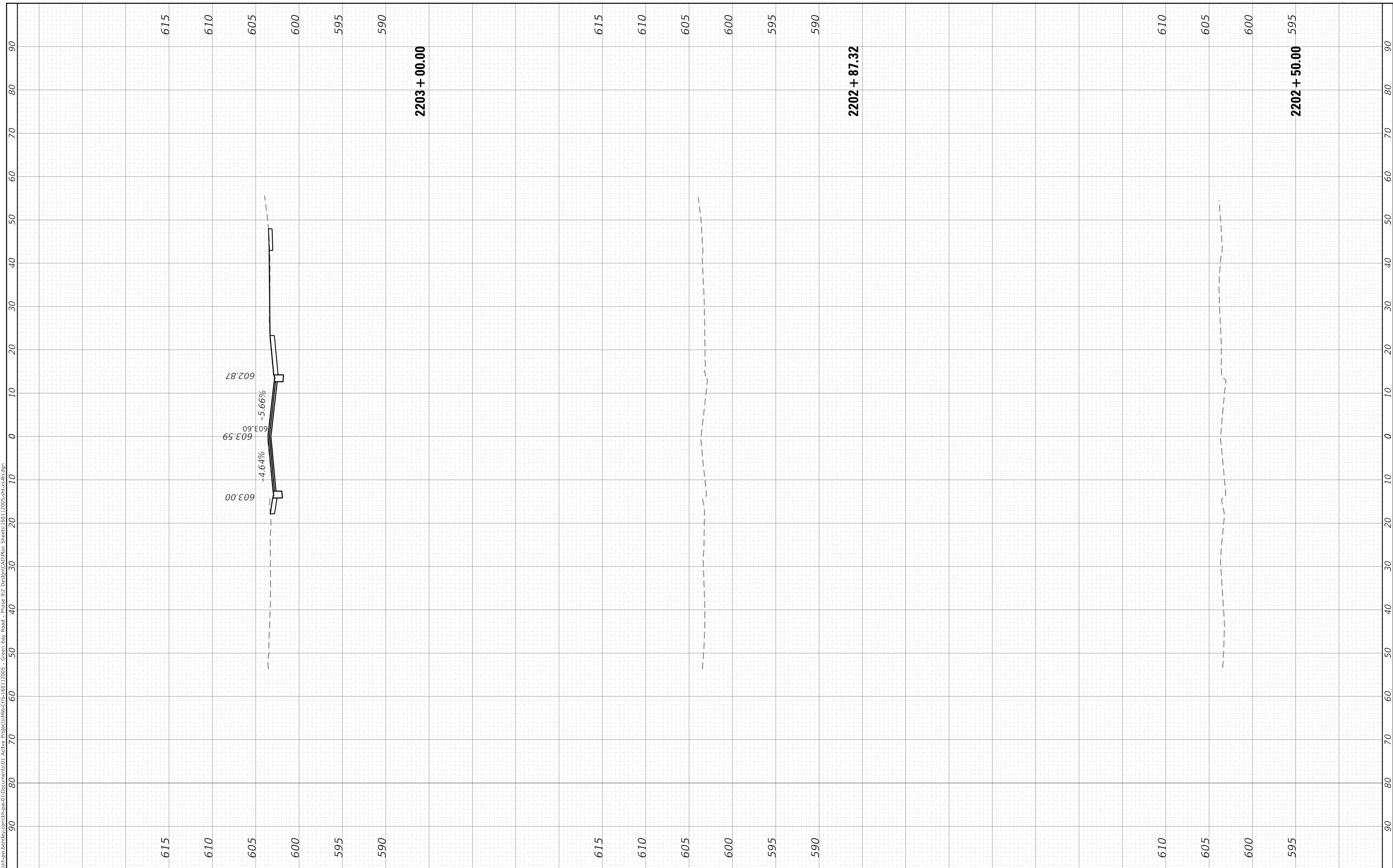
SCALE: 1" = 10' (H) 1" = 50' (V) SHEET 1 OF 1 SHEETS STA. 2411+00.00 TO STA. 2419+00.00

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		
	AREAS CHECKED		

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

MODEL: Defn.rvt
 FILE NAME: D:\work\paw.bentley.com\hpw01\Documents\01_Active\Projects\HW-CIS-168112005 - Green Bay Road - Phase 02_Design\CAD\Plan_Sheets\168112005-ent-ss-111.dgn



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
 LINCOLN STREET**

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

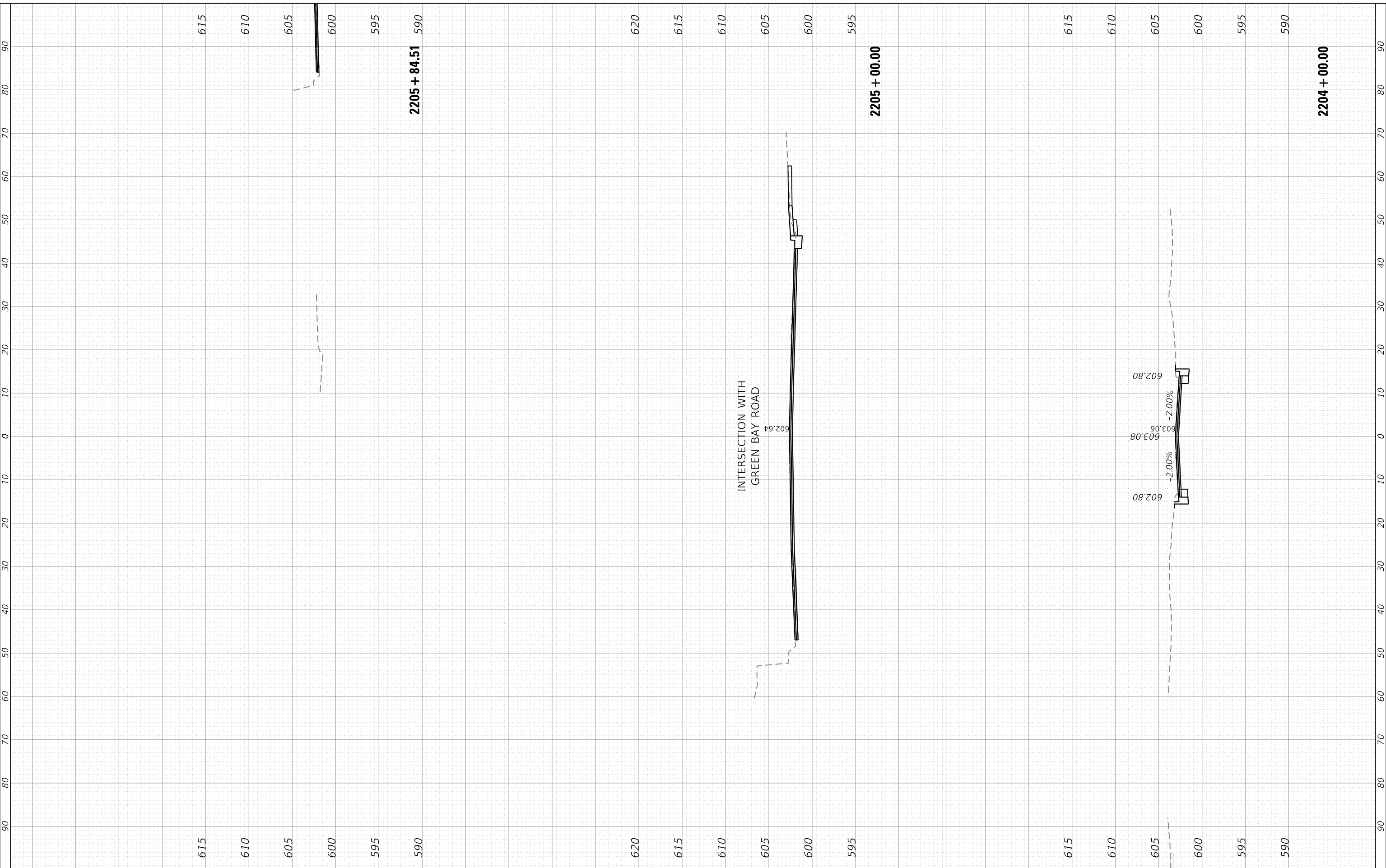
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2744	19-00285-00-R5	COOK	191	188
CONTRACT NO. 61K60				

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		

MODEL: Default
 FILE NAME: D:\work\paw.bentley.com\hpw\01\Documents\01_Active\Projects\HW-CIS-168112005 - Green Bay Road - Phase 02 Design\CAD\Plan_Sheets\168112005-ent-ss-111.dgn



USER NAME = Mkelly	DESIGNED - MK	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - MK	REVISED -
PLOT DATE = 6/10/2024	CHECKED - RB	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

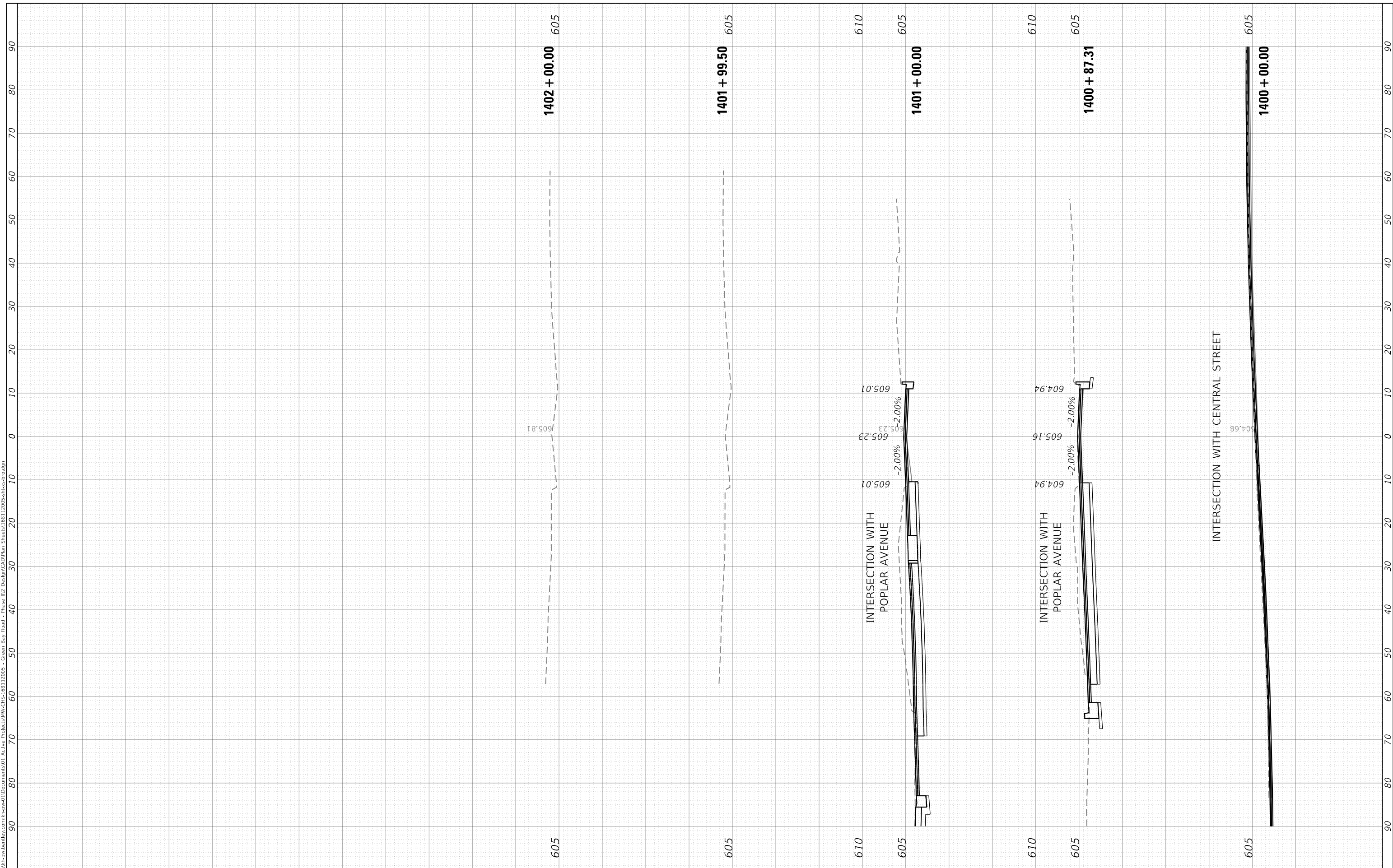
SCALE: 1" = 10' (H) 1" = 5' (V)	SHEET 2	OF 2 SHEETS	STA. 2204+00.00 TO STA. 2205+84.51	CROSS SECTIONS LINCOLN STREET	
				F.A.U. RTE. 2744	SECTION 19-00285-00-R5

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		

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

MODEL: Defn.rvt
 FILE NAME: D:\a\whp\w\paw\benlby.com\hwp\01\Documents\01_Active Projects\HW-CIS-168112005 - Green Bby Road - Phase 02_Design\CAD\Plan_Sheets\168112005-ent-ss-broad.rvt



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**

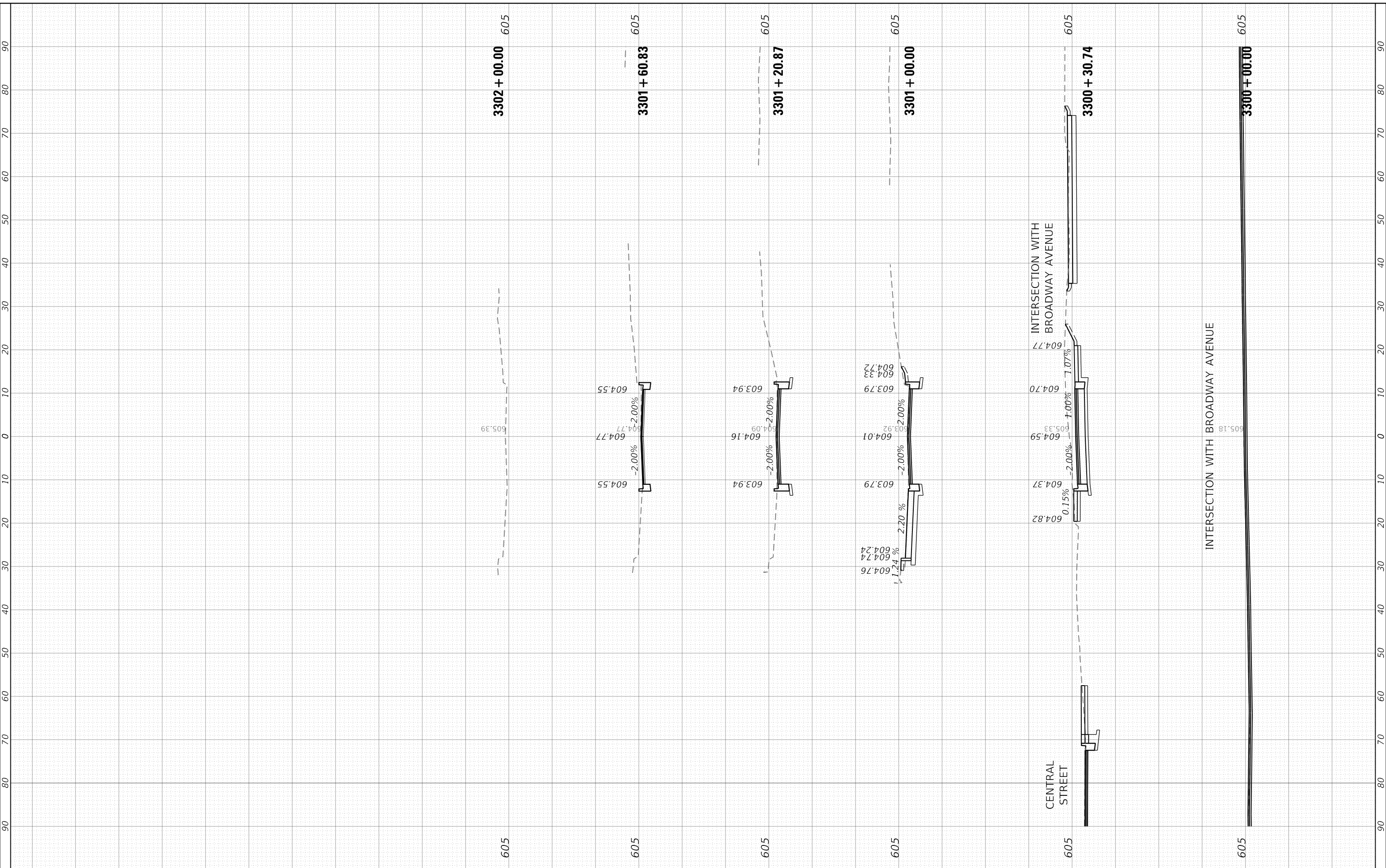
CROSS SECTIONS BROADWAY AVENUE	
SCALE: 1" = 10' (H) 1" = 5' (V)	SHEET 1 OF 1 SHEETS STA. 1400+00.00 TO STA. 1402+00.00

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		

MODEL: Defn.rvt
 FILE NAME: D:\a\whp\w\paw\benlby.com\hwp\01\Documents\01_Active Projects\HW-CRIS-168112005 - Green Bby Road - Phase 02_Design\CAD\Plan_Sheets\168112005-ent-ss-03a.dgn



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
 POPLAR AVENUE (REALIGNED)**

SCALE: 1" = 10' (H) 1/4" = 5' (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				