

	STATION	OFFSET	ELEVATION
A	388+16.23	68.12' RT	(736.05)
B	388+18.09	69.06' RT	736.03
C	388+24.22	69.12' RT	(736.02)
D	388+22.47	72.72' RT	736.19
E	388+22.46	74.10' RT	736.12
F	388+15.94	74.03' RT	736.21
G	388+13.99	73.32' RT	(736.23)
H	387+66.70	68.87' RT	(736.10)
I	387+66.70	74.87' RT	(736.17)
J	388+29.29	71.30' RT	(736.02)
K	388+27.32	75.36' RT	736.05
L	388+27.21	79.23' RT	(736.12)
M	388+22.35	79.10' RT	(736.15)

NE CORNER OF NATIONAL PKWY/GOLF RD



MODEL: \\MODELNAME
FILE: \\NAME...\\Schematic\\Grading\\3357-CR12

USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

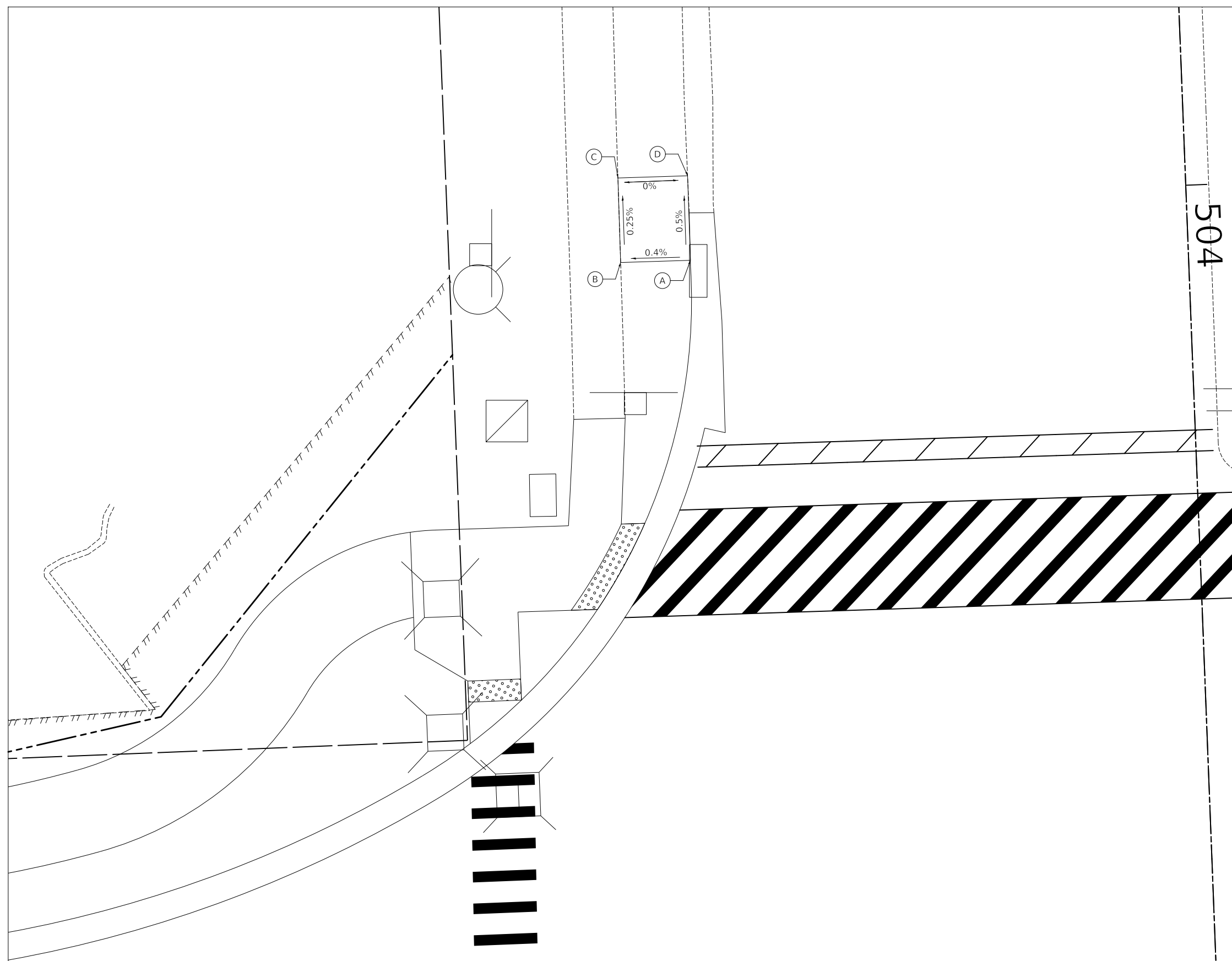
NATIONAL PARKWAY
ADA GRADING PLAN

SCALE: 1" = 5' SHEET 7 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	101
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	504+05.28	47.09' RT	734.31
B	504+05.23	53.70' RT	734.29
C	503+97.23	53.65' RT	734.27
D	503+97.28	47.05' RT	734.27



BUS STOP AT SW CORNER OF NATIONAL PKWY/GOLF RD



MODEL NAME: Bus Stop
FILE NAME: 16-00127-03-PV

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
ADA GRADING PLAN**

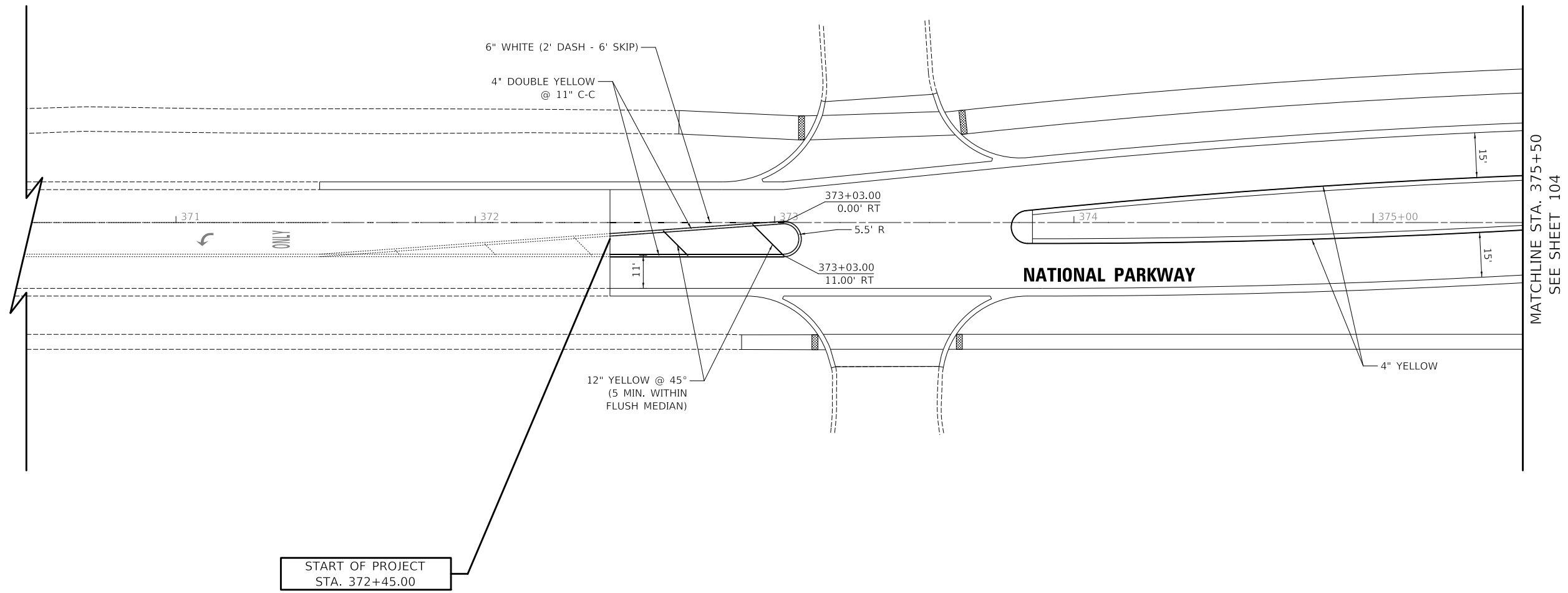
SCALE: 1" = 5' SHEET 8 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	102
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



NOTES

1. YIELD LINE SYMBOLS SHALL BE 24" WIDTH BY 36" HEIGHT WITH A SPACING OF 12" BETWEEN SYMBOLS AND PAID FOR AS "THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS"
2. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.
3. ALL PAVEMENT MARKINGS ON ASPHALT SHALL BE THERMOPLASTIC. ALL PAVEMENT MARKINGS IN THE PARKING LOTS SHALL BE PAINT.
4. THE CONTRACTOR SHALL SURVEY THE TYPE AND LOCATION OF ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE PROJECT LIMITS THAT WILL BE REMOVED DURING CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF "CONSTRUCTION LAYOUT". THESE MARKINGS SHALL BE REPLACED IN KIND AND PAID FOR AS "THERMOPLASTIC PAVEMENT MARKING" OF THE TYPE REQUIRED.



MODEL: \\MODELNAME
FILE NAME: \\37527-PRK01.dwg



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
PAVEMENT MARKING PLAN**

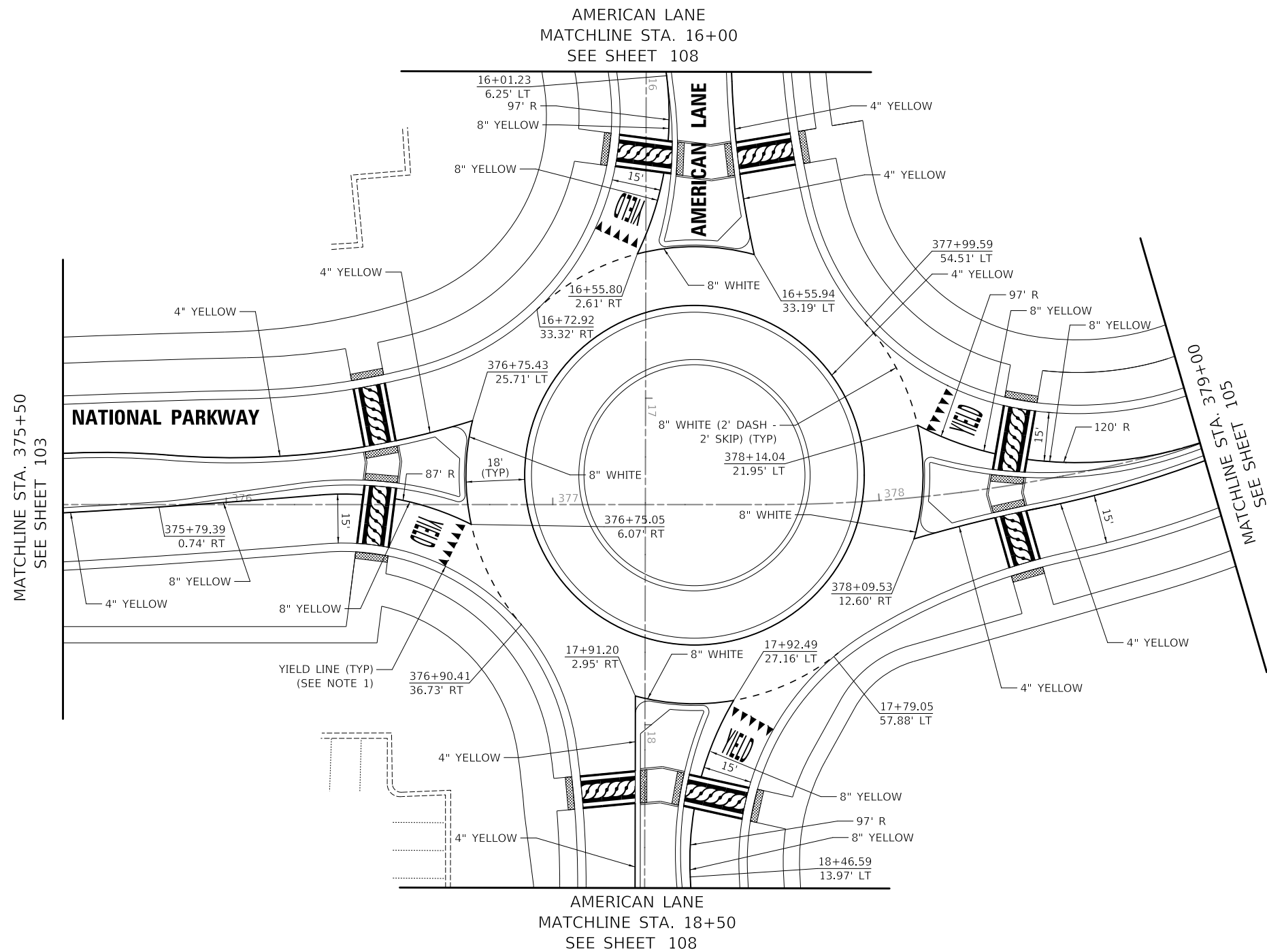
SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	103
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

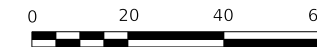
LEGEND



DECORATIVE CROSSWALK - SEE DETAILS ON SHEET 109
(PAID FOR AS "PAVEMENT MARKING (SPECIAL)")



MODEL: \\MODELNAME
FILE NAME: \\3252-PRK01.dwg



SCALE IN FEET

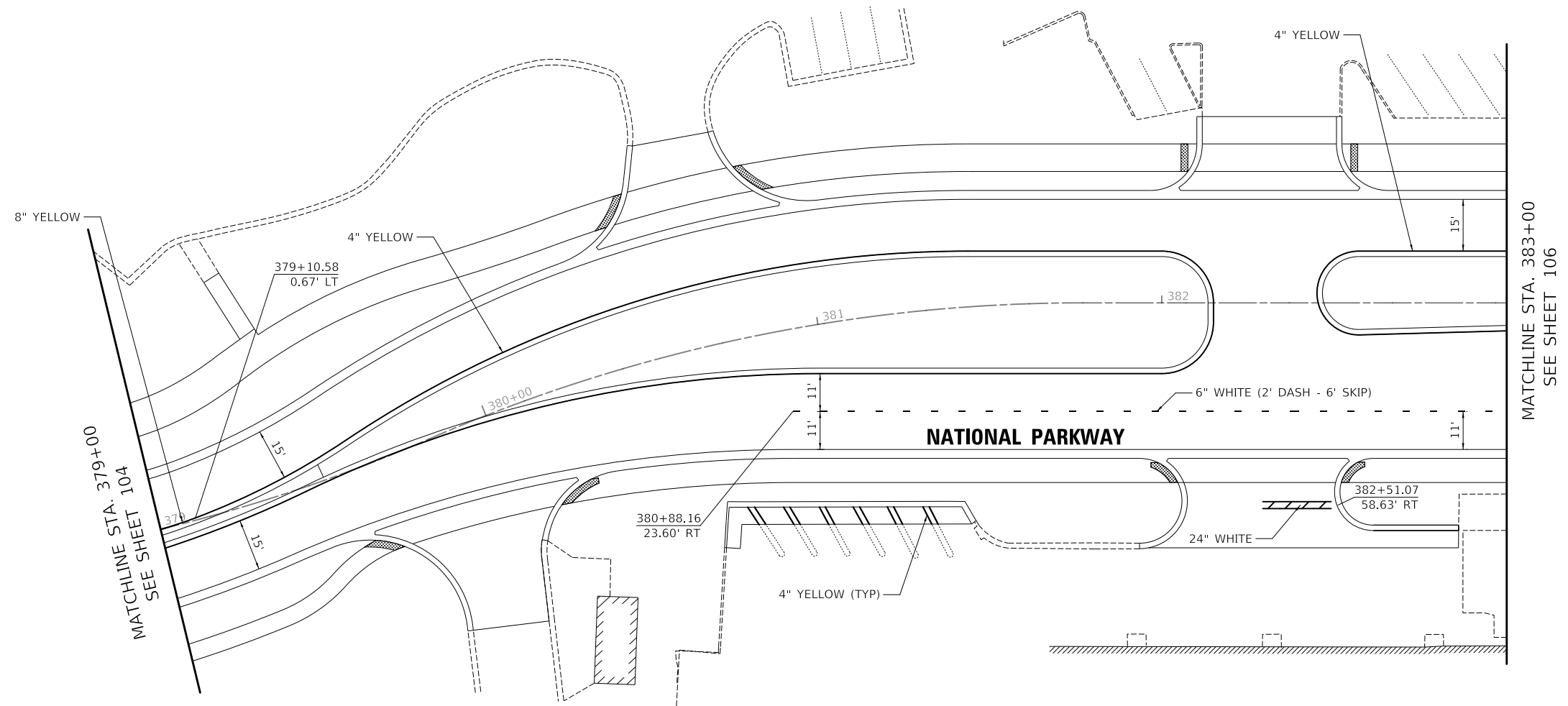
USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
PAVEMENT MARKING PLAN**

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	104
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



MODEL: \\MODELNAME
FILE NAME: \\3252-PRK01.dwg



SCALE IN FEET

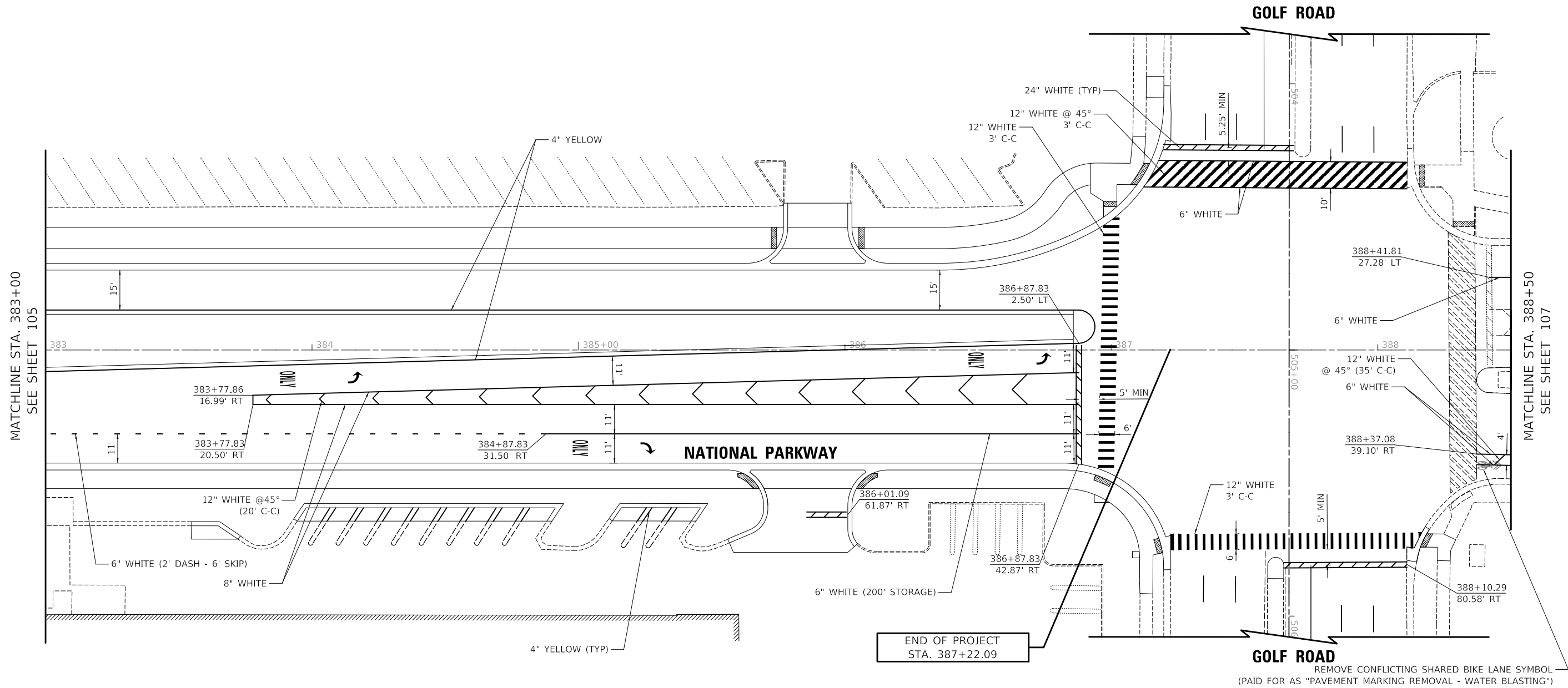
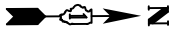
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
PAVEMENT MARKING PLAN**

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	105
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

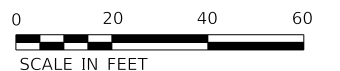


MATCHLINE STA. 383+00
SEE SHEET 105

MATCHLINE STA. 388+50
SEE SHEET 107

END OF PROJECT
STA. 387+22.09

REMOVE CONFLICTING SHARED BIKE LANE SYMBOL
(PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING")



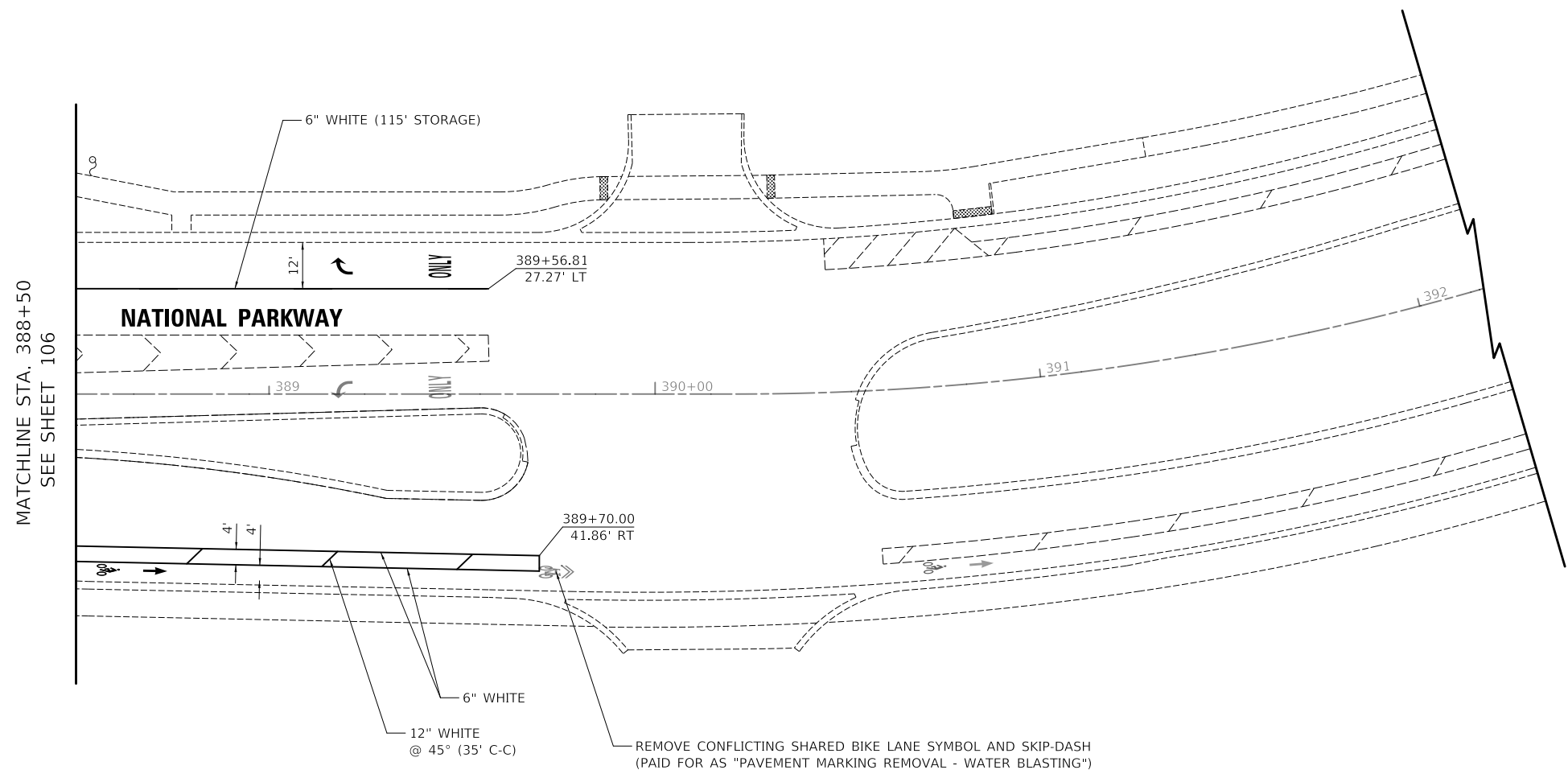
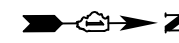
MODEL NAME: 16-00127-03-PV
FILE NAME: 16-00127-03-PV.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NATIONAL PARKWAY PAVEMENT MARKING PLAN	
SCALE: 1"=20'	SHEET 4 OF 7 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	106
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 388+50
SEE SHEET 106



SCALE IN FEET

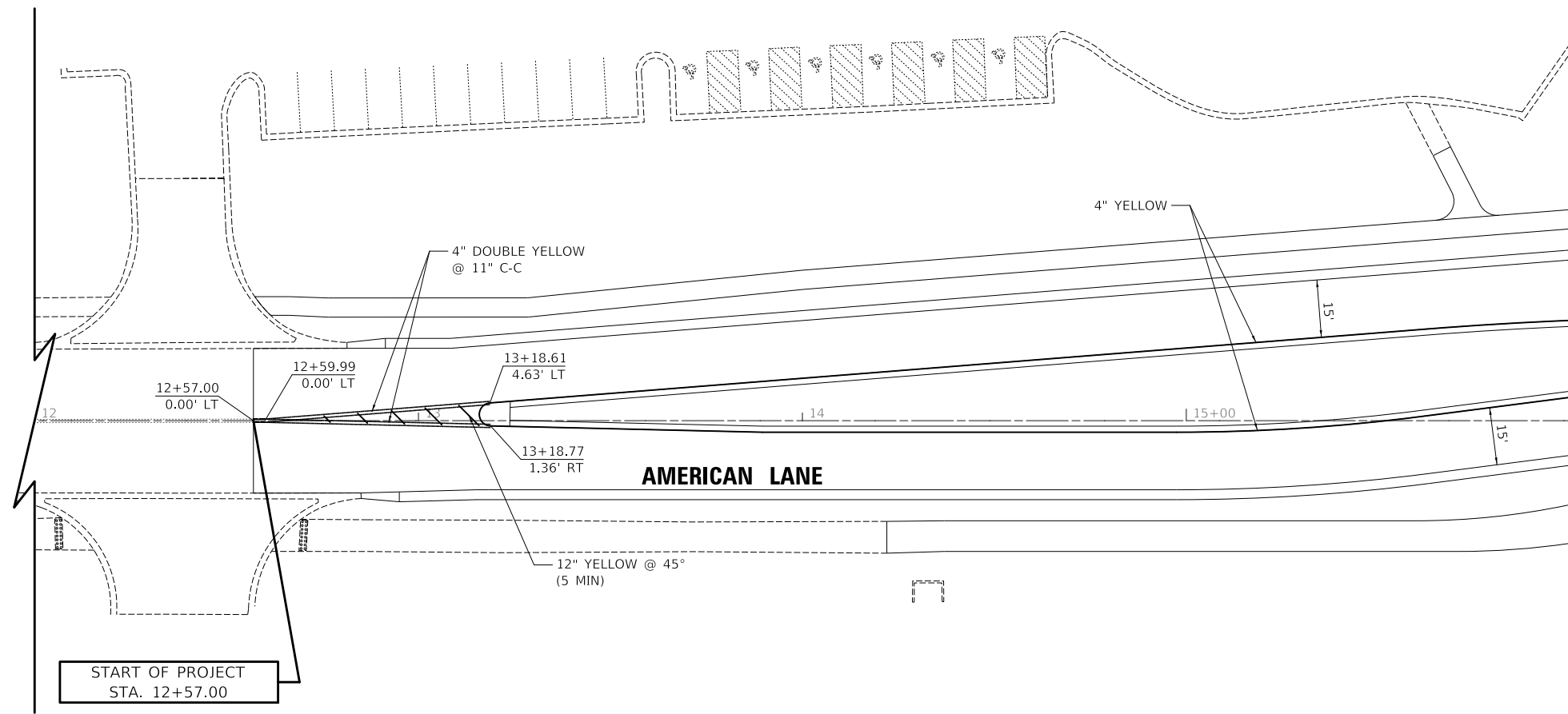
MODEL: \\MODELNAME
FILE NAME: \\31252-PRK01.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

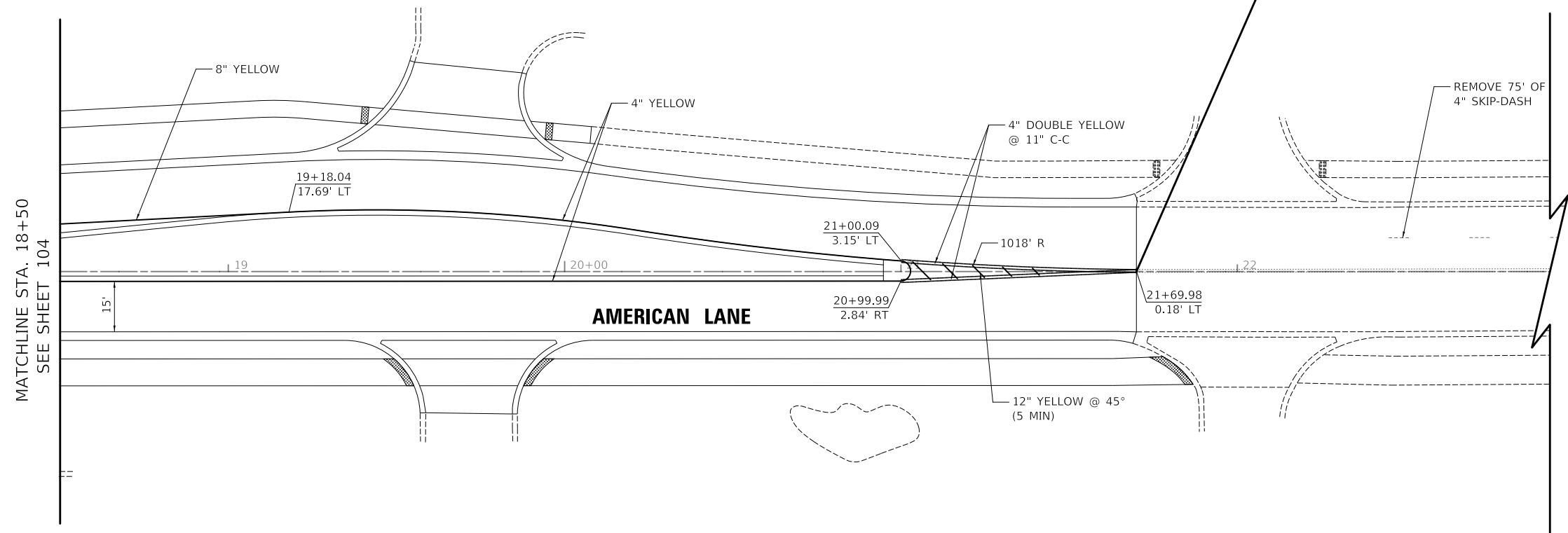
NATIONAL PARKWAY PAVEMENT MARKING PLAN			
SCALE: 1"=20'	SHEET 5 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	107
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 16+00
SEE SHEET 104

START OF PROJECT
STA. 12+57.00



MATCHLINE STA. 18+50
SEE SHEET 104

END OF PROJECT
STA. 21+70.00



MODEL: \\MODELNAME
FILE NAME: \\3252-PRK01.dwg

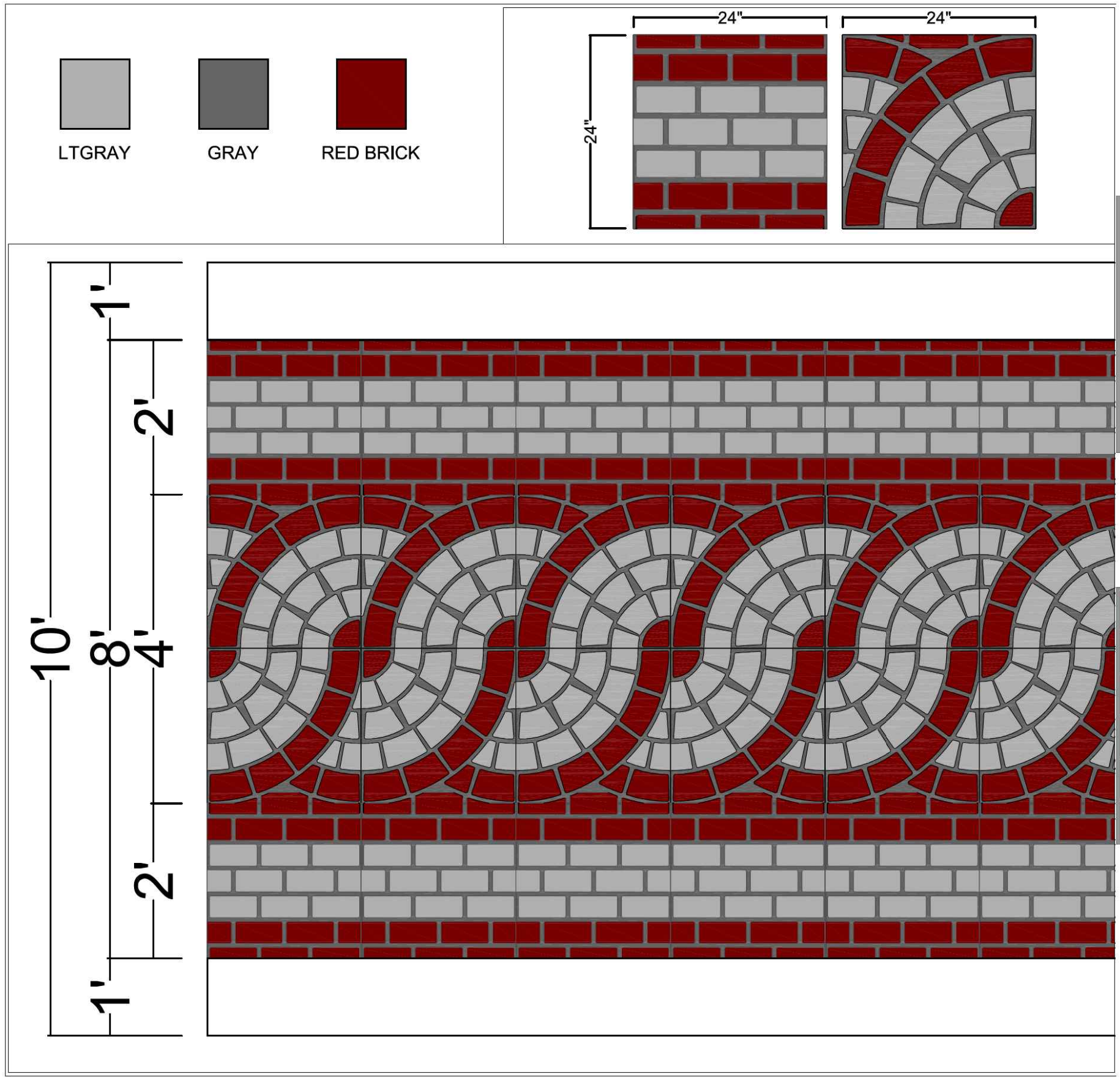
USER NAME = djc	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - DJC	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

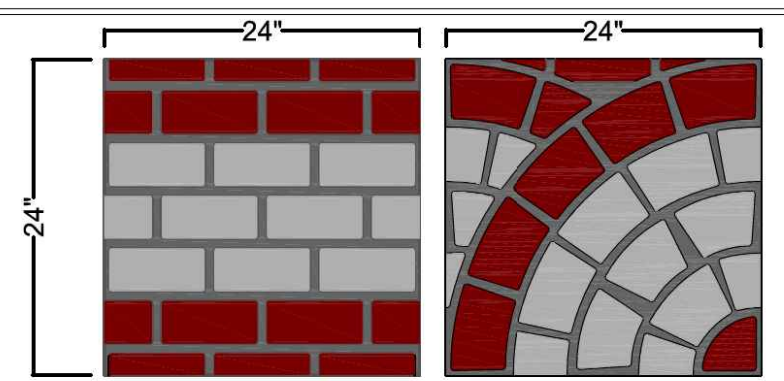
AMERICAN LANE
PAVEMENT MARKING PLAN

SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	108
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



LTGRAY
 GRAY
 RED BRICK



STENCIL DESIGN PATTERN FOR LIGHT GRAY MMA COLOR - (#1)



STENCIL DESIGN PATTERN FOR BRICK RED MMA COLOR - (#2)

DETAIL FOR PAVEMENT MARKING (SPECIAL)

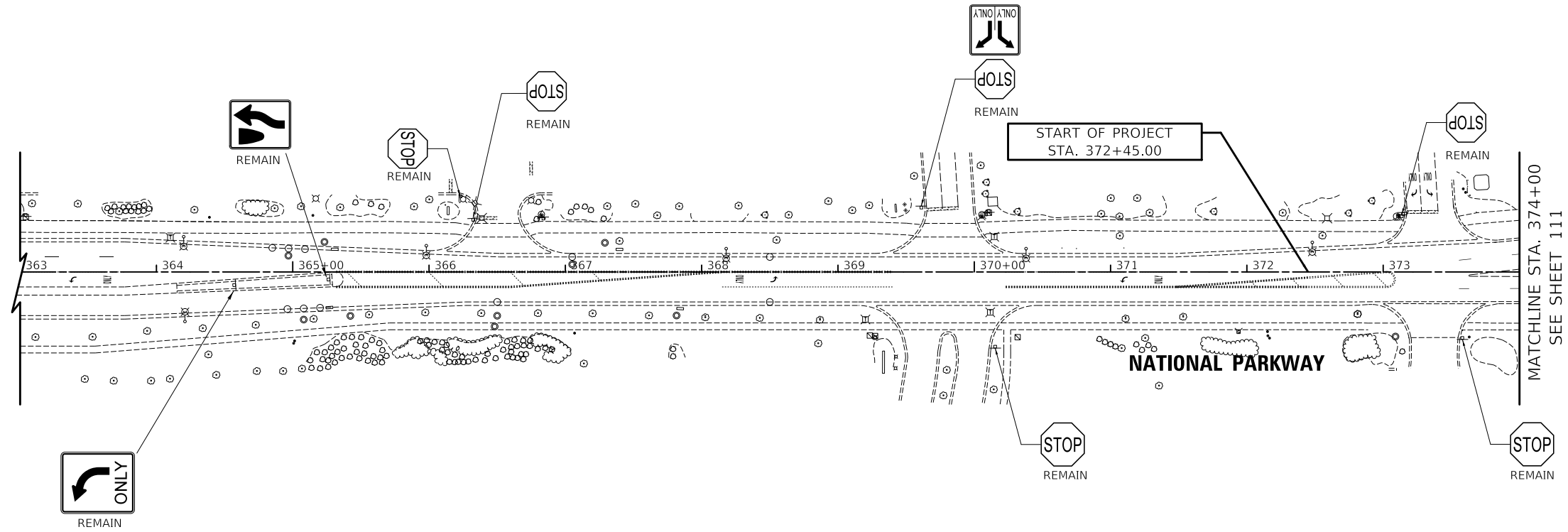
MODEL: \\MODELNAME
 FILE NAME: \\32524PRK01.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY	
PAVEMENT MARKING PLAN	
SCALE:	SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	109
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

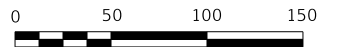


LEGEND

- ⊕ EXISTING LIGHT POLE
- ⊕ EXISTING SIGN
- EXISTING MAST ARM
- REMAIN SIGN PANEL TO REMAIN IN SAME LOCATION
- RELOCATE SIGN PANEL TO BE RELOCATED TO NEW POST
- ✕ REMOVE SIGN PANEL ASSEMBLY

NOTES

1. ALL SIGN PANELS AND POSTS SHOWN TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO THE VILLAGE OF SCHAUMBURG PUBLIC WORKS BUILDING AT 714 S. PLUM GROVE ROAD. THE CONTRACTOR SHALL SCHEDULE THE DELIVERY TIME WITH THE VILLAGE A MINIMUM OF 48 HOURS IN ADVANCE.



SCALE IN FEET

MODEL: \\MODELNAME5
FILE NAME: ...32525-Sign_EX_01.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
EXISTING SIGNING PLAN**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	110
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

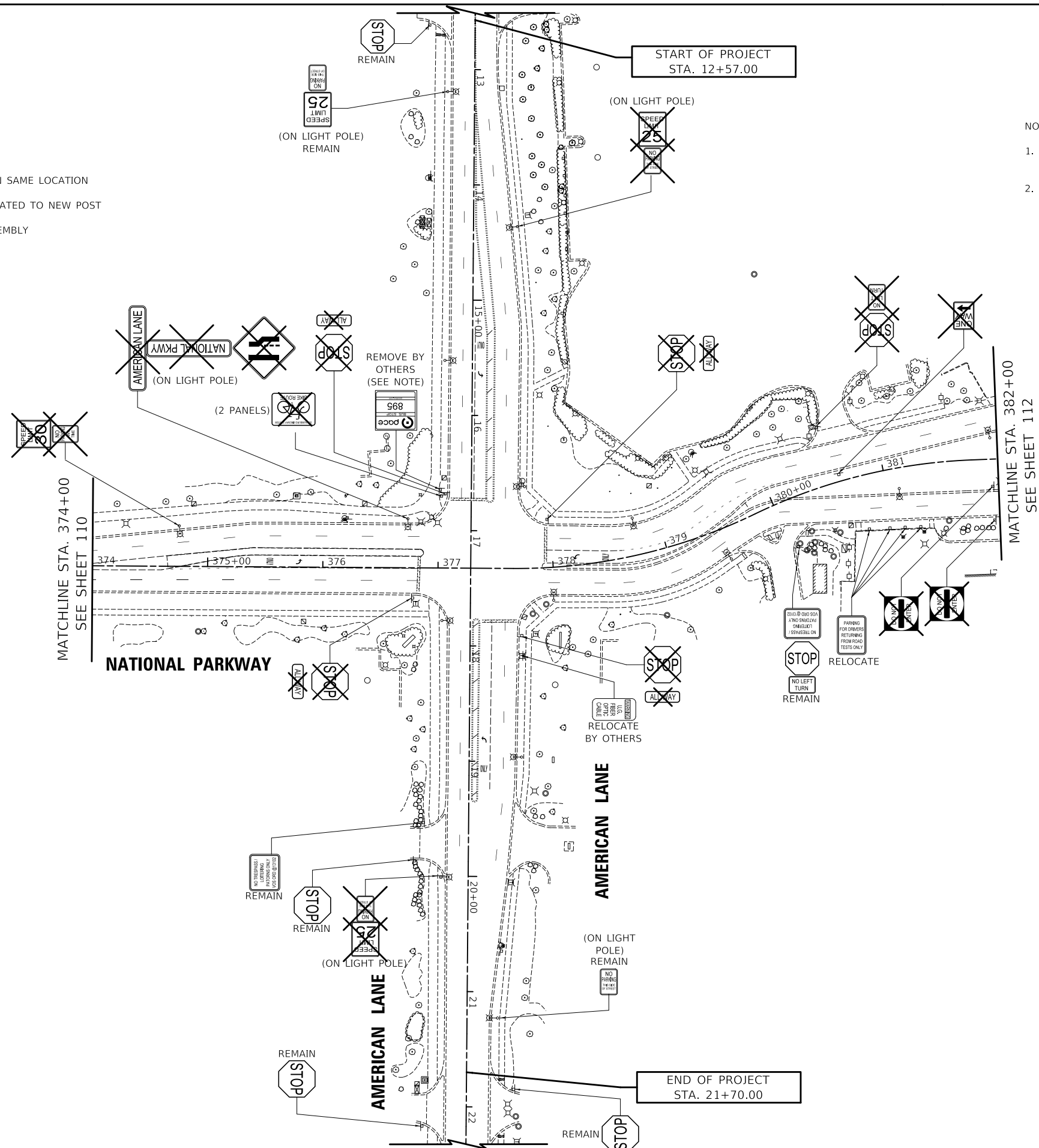


LEGEND

- ⊗ EXISTING LIGHT POLE
- ⊕ EXISTING SIGN
- EXISTING MAST ARM
- REMAIN SIGN PANEL TO REMAIN IN SAME LOCATION
- RELOCATE SIGN PANEL TO BE RELOCATED TO NEW POST
- ⊗ REMOVE SIGN PANEL ASSEMBLY

NOTES

1. THE CONTRACTOR SHALL COORDINATE THE PROPOSED SIGN LOCATION WITH PACE.
2. THE CONTRACTOR SHALL CONTACT PACE (RICK WILLMAN 847-228-3584) 2 WEEKS IN ADVANCE OF WHEN THE SIGN NEEDS TO BE REMOVED.



MODEL: \\MODEL\NAME5
FILE NAME: ...12525-Sign_EX.01.dgn

USER NAME = djc	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/1/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
EXISTING SIGNING PLAN**

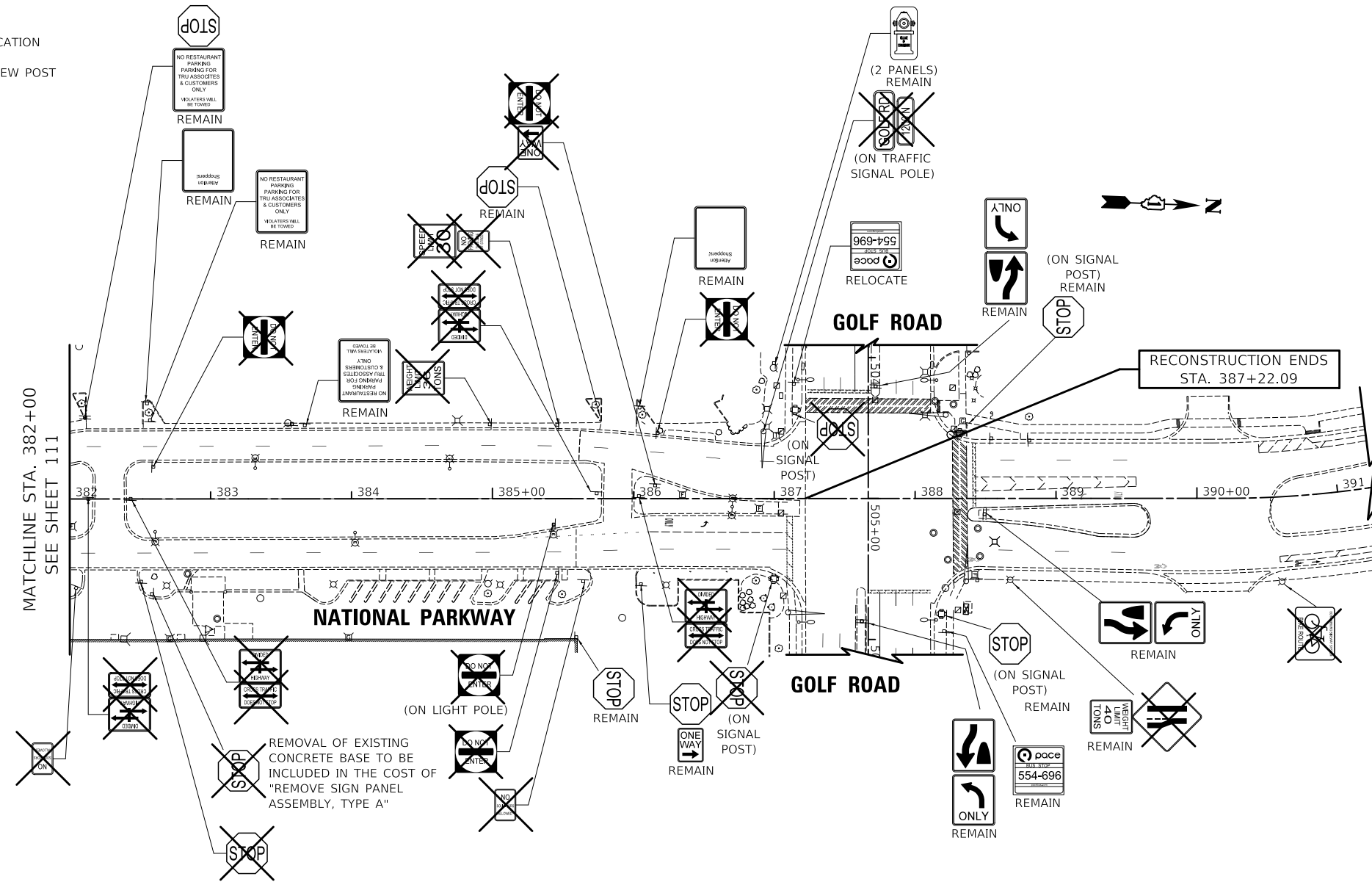
SCALE: 1"=50' SHEET 2 OF 3 SHEETS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	111
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

LEGEND

- ⊗ EXISTING LIGHT POLE
- ⊕ EXISTING SIGN
- EXISTING MAST ARM
- REMAIN SIGN PANEL TO REMAIN IN SAME LOCATION
- RELOCATE SIGN PANEL TO BE RELOCATED TO NEW POST
- ⊗ REMOVE SIGN PANEL ASSEMBLY



MODEL: \\MODEL\NAME5
 FILE: NAME5...16-00127-03-PV_EX_01.dgn

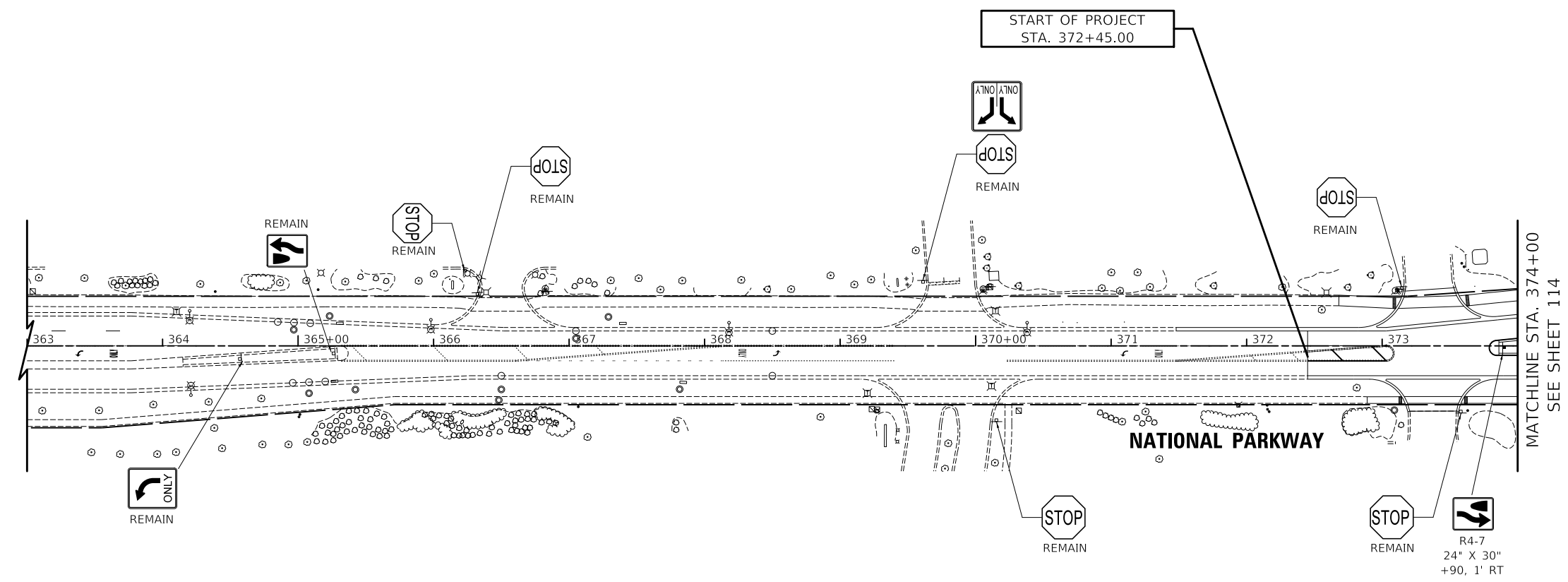
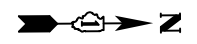
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/1/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
EXISTING SIGNING PLAN

SCALE: 1"=50' SHEET 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	112
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



LEGEND

- ⊗ EXISTING LIGHT POLE
 - ⊙ PROPOSED LIGHT POLE
 - ⊠ EXISTING SIGN TO REMAIN
 - ⊡ PROPOSED SIGN PANEL, TYPE 1 OR TYPE 2
 - EXISTING MAST ARM
 - REMAIN SIGN PANEL TO REMAIN IN SAME LOCATION
- * SEE SIGN DETAIL ON SHEET 115 FOR PROPOSED SIGN PANEL

NOTES

1. ALL PROPOSED SIGN PANELS SHALL HAVE THE LETTERS "VOS MONTH/YEAR" IN THE BORDER OF THE SIGN.

MATCHLINE STA. 374+00
SEE SHEET 114

START OF PROJECT
STA. 372+45.00

NATIONAL PARKWAY

MODEL: \\MODEL\NAME5
FILE NAME: ...32525-Sign_PR_01.dgn



USER NAME = djk PLOT SCALE = 100.0000' / in. PLOT DATE = 10/31/2022	DESIGNED - JAT DRAWN - JAT CHECKED - DJK DATE - 8/04/2022	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NATIONAL PARKWAY PROPOSED SIGNING PLAN	F.A.U. RTE. 1103 SECTION 16-00127-03-PV COUNTY COOK TOTAL SHEETS 242 SHEET NO. 113 CONTRACT NO. 61J04 ILLINOIS FED. AID PROJECT
			SCALE: 1"=50'	SHEET 1 OF 3 SHEETS	

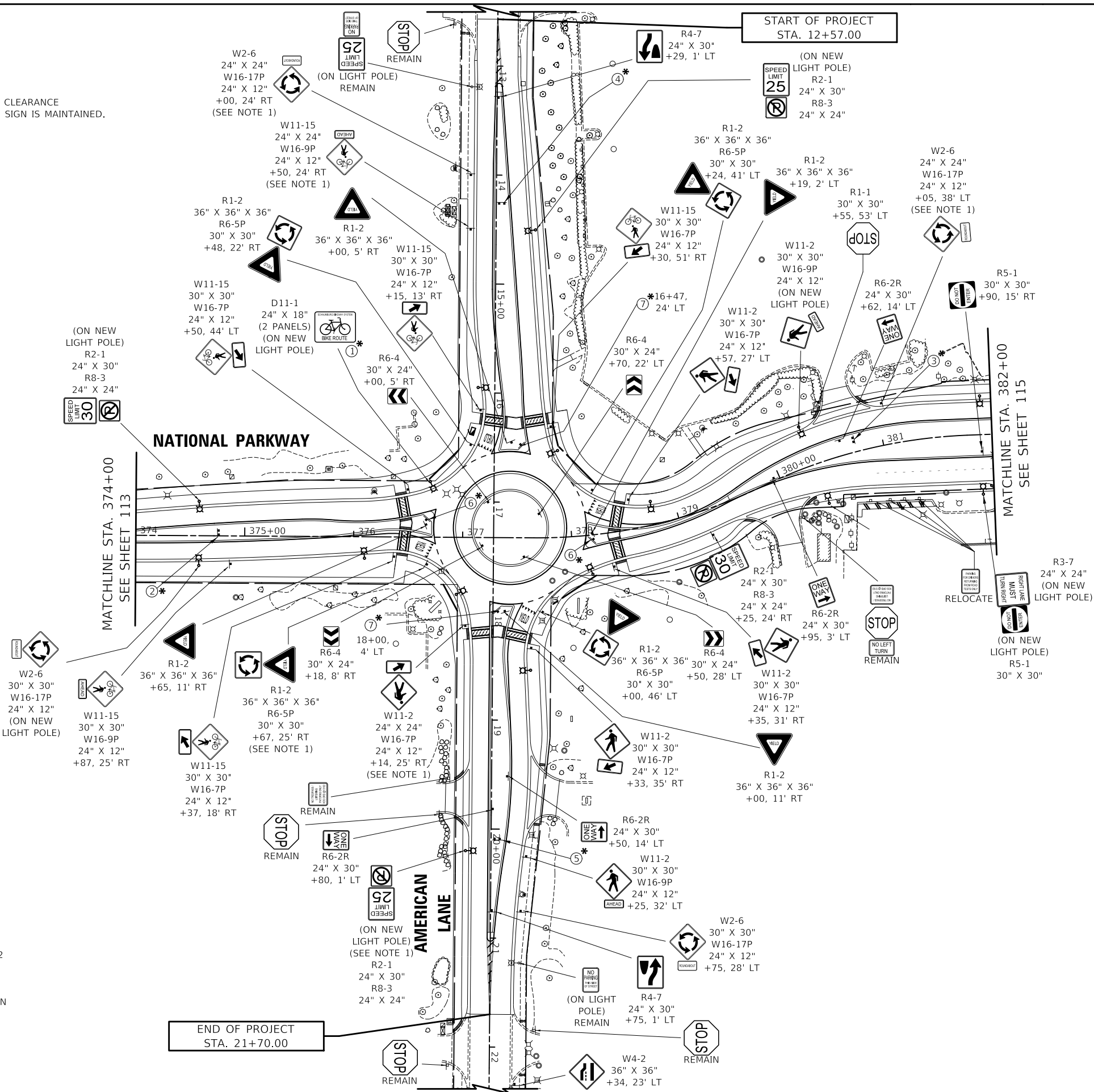
NOTES

- SIGN SHALL BE MOUNTED SUCH THAT A VERTICAL CLEARANCE OF 8 FT. FROM EXISTING GROUND TO BOTTOM OF SIGN IS MAINTAINED.

LEGEND

- EXISTING LIGHT POLE
- PROPOSED LIGHT POLE
- EXISTING SIGN TO REMAIN
- PROPOSED SIGN PANEL, TYPE 1 OR TYPE 2
- EXISTING MAST ARM
- SIGN PANEL TO REMAIN IN SAME LOCATION

* SEE SIGN DETAIL ON SHEET 115 FOR PROPOSED SIGN PANEL



MODEL: \\MODELS\NAME5
FILE NAME: 16-00127-03-PV_PR_01.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
PROPOSED SIGNING PLAN**

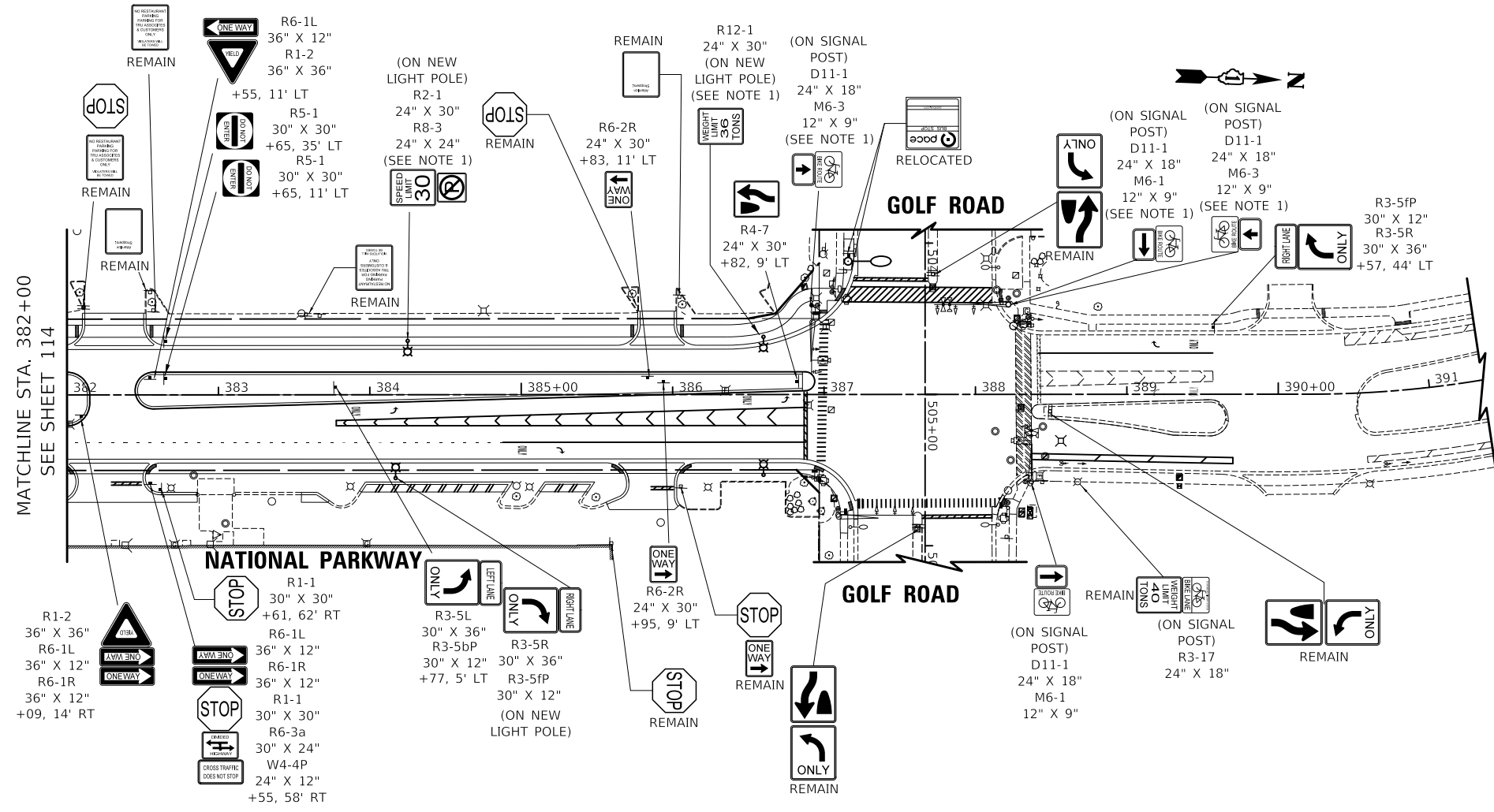
SCALE: 1"=50' SHEET 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	114
CONTRACT NO. 61104				
ILLINOIS FED. AID PROJECT				



NOTES

- SIGN SHALL BE MOUNTED SUCH THAT A VERTICAL CLEARANCE OF 8 FT. FROM EXISTING GROUND TO BOTTOM OF SIGN IS MAINTAINED.

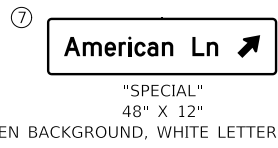
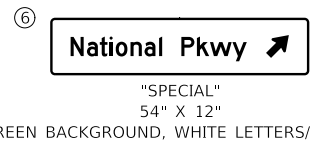
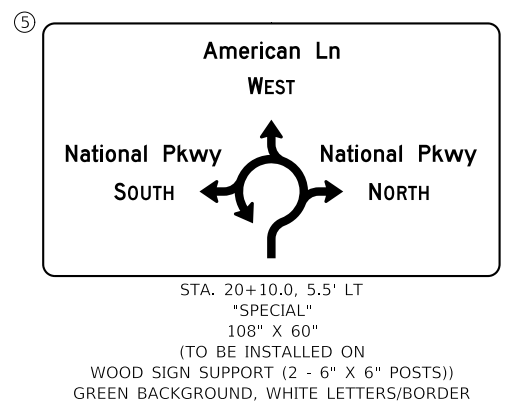
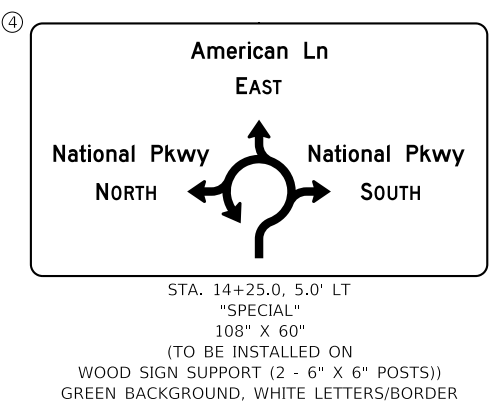
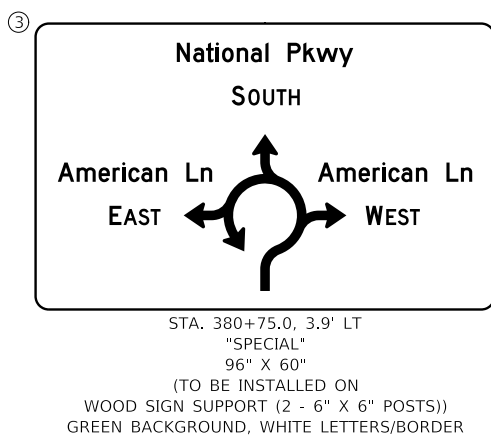
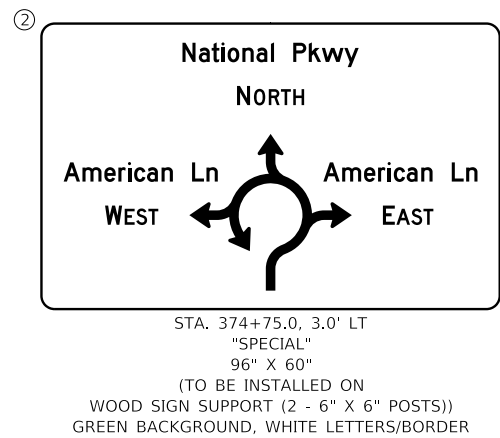
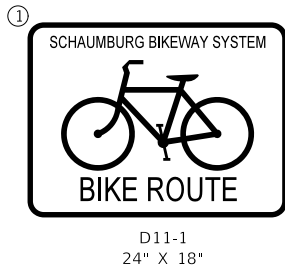


LEGEND

- EXISTING LIGHT POLE
- PROPOSED LIGHT POLE
- EXISTING SIGN TO REMAIN
- PROPOSED SIGN PANEL, TYPE 1 OR TYPE 2
- EXISTING MAST ARM
- SIGN PANEL TO REMAIN IN SAME LOCATION

* SEE SIGN DETAIL ON SHEET 115 FOR PROPOSED SIGN PANEL

PROPOSED SIGN DETAILS



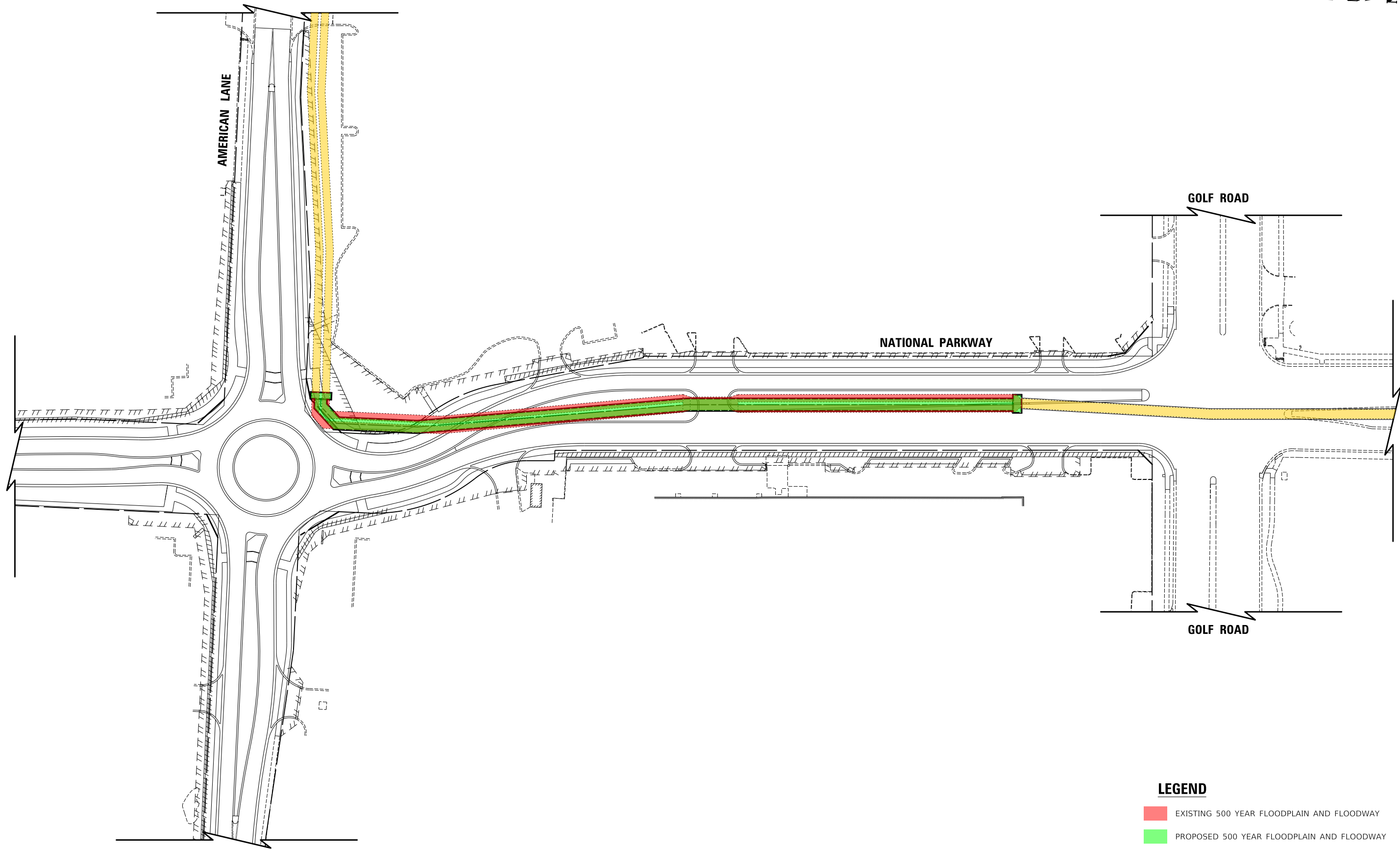
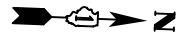
MODEL: \\MODEL\NAME5
FILE NAME: \\32525\SIGN_PR_01.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NATIONAL PARKWAY PROPOSED SIGNING PLAN	
SCALE: 1"=50'	SHEET 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	115
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



LEGEND

- EXISTING 500 YEAR FLOODPLAIN AND FLOODWAY
- PROPOSED 500 YEAR FLOODPLAIN AND FLOODWAY
- EXISTING UNAFFECTED 500 YEAR FLOODPLAIN AND FLOODWAY



MODEL: s:\MODEL\NAME.FLS
FILE NAME: ...32574\WRD_Floodplain_Plan.dgn

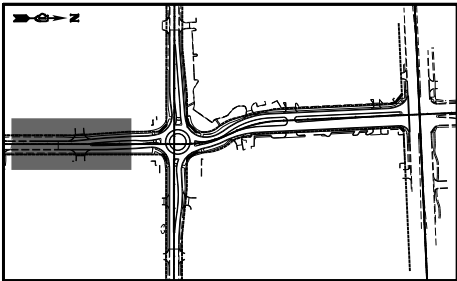
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
FLOODWAY EXHIBITS**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS

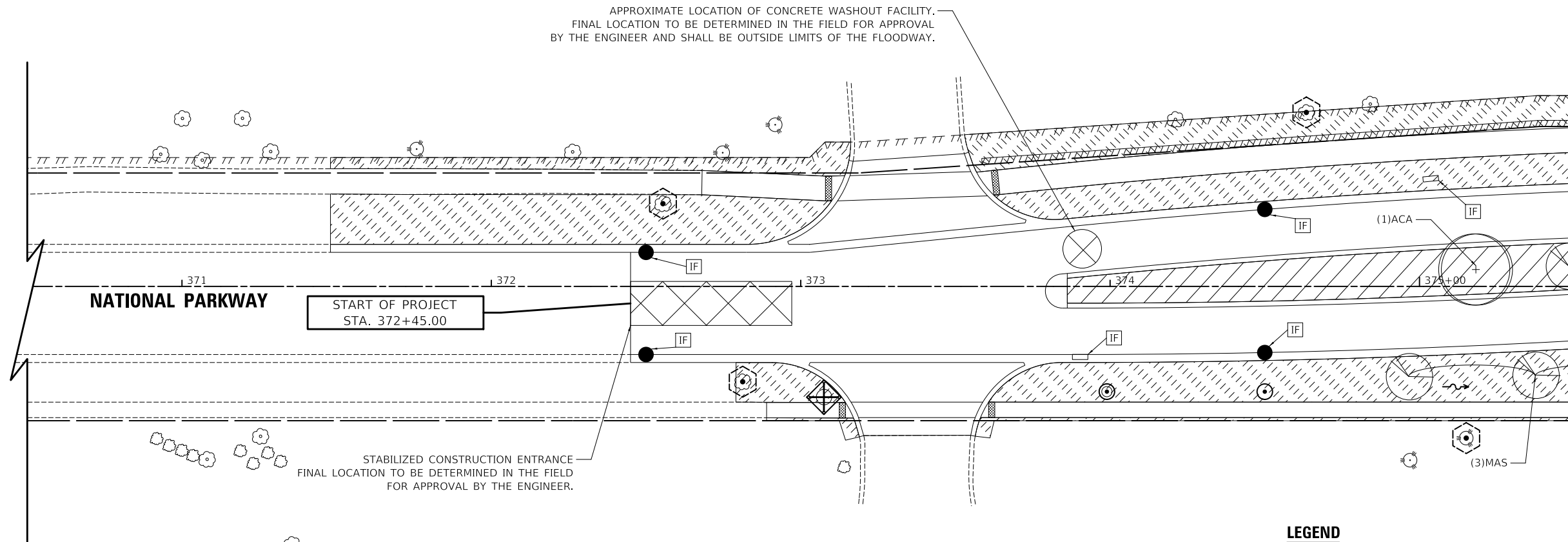
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	116
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



KEYMAP

GENERAL NOTES

- 1) THIS PROJECT REQUIRES AN IN-STREAM WORK PLAN BE PREPARED BY THE CONTRACTOR FOR SUBMITTAL TO THE ENGINEER FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN, INCLUDING ALL WORK REQUIRED TO BYPASS STREAM FLOWS, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

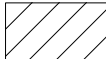








MATCHLINE STA. 375+50
SEE SHEET 118

NOTES

- 1) SEE MEDIAN AND PARKWAY PLANTING PLANS FOR PLANT SCHEDULES.

LEGEND

-  MEDIAN SOIL MIX FURNISH AND PLACE (24" DEPTH) SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  TOPSOIL (4") SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  PERIMETER EROSION BARRIER
-  INLET FILTER
-  ABOVE GRADE INLET PROTECTION (PAID FOR AS 16' PERIMETER EROSION BARRIER, SEE STANDARD 280001)
-  EXISTING TREE TO REMAIN
-  TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING



SCALE IN FEET

MODEL: \\MODEL\NAME: FILE: \\NAME: ...375+50\erocnplan_01.dgn

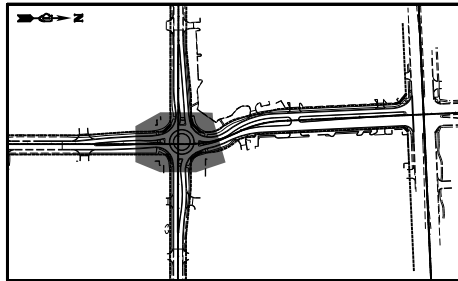
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 1 OF 5 SHEETS

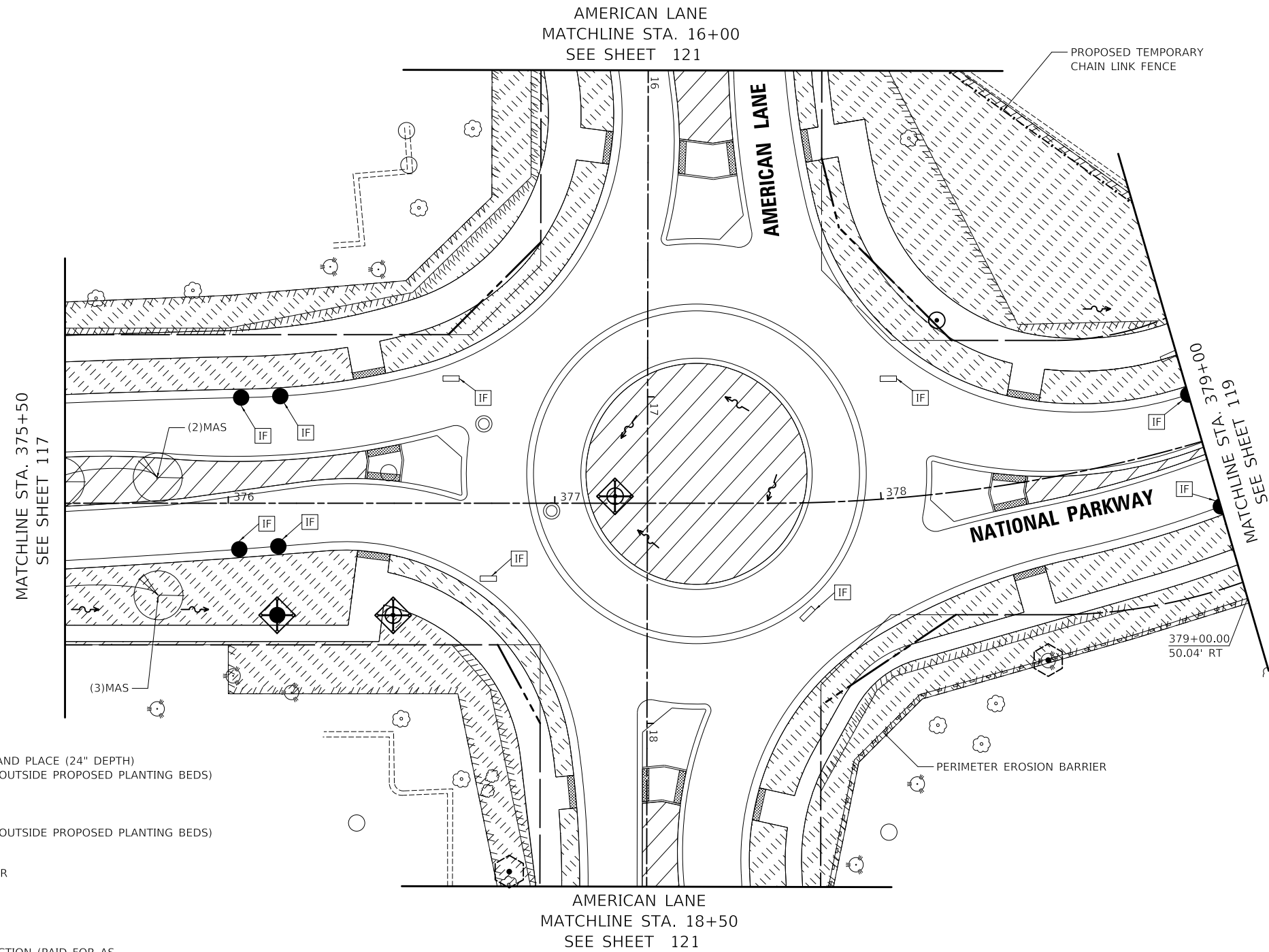
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	117
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				





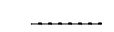
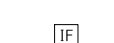



KEYMAP

NOTES

- 1) SEE MEDIAN AND PARKWAY PLANTING PLANS FOR PLANT SCHEDULES.



LEGEND

-  MEDIAN SOIL MIX FURNISH AND PLACE (24" DEPTH)
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  TOPSOIL (4")
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  PERIMETER EROSION BARRIER
-  INLET FILTER
-  ABOVE GRADE INLET PROTECTION (PAID FOR AS
16' PERIMETER EROSION BARRIER, SEE STANDARD 280001)
-  EXISTING TREE TO REMAIN
-  TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING



SCALE IN FEET

MODEL: \\MODEL\NAME
FILE: \\NAME: 16-00127-03-01.dwg

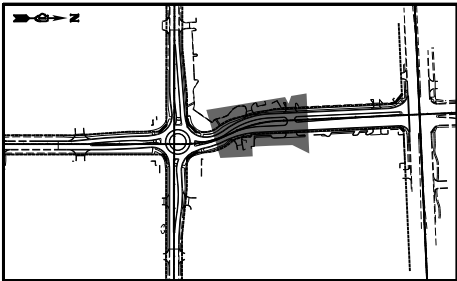
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 2 OF 5 SHEETS

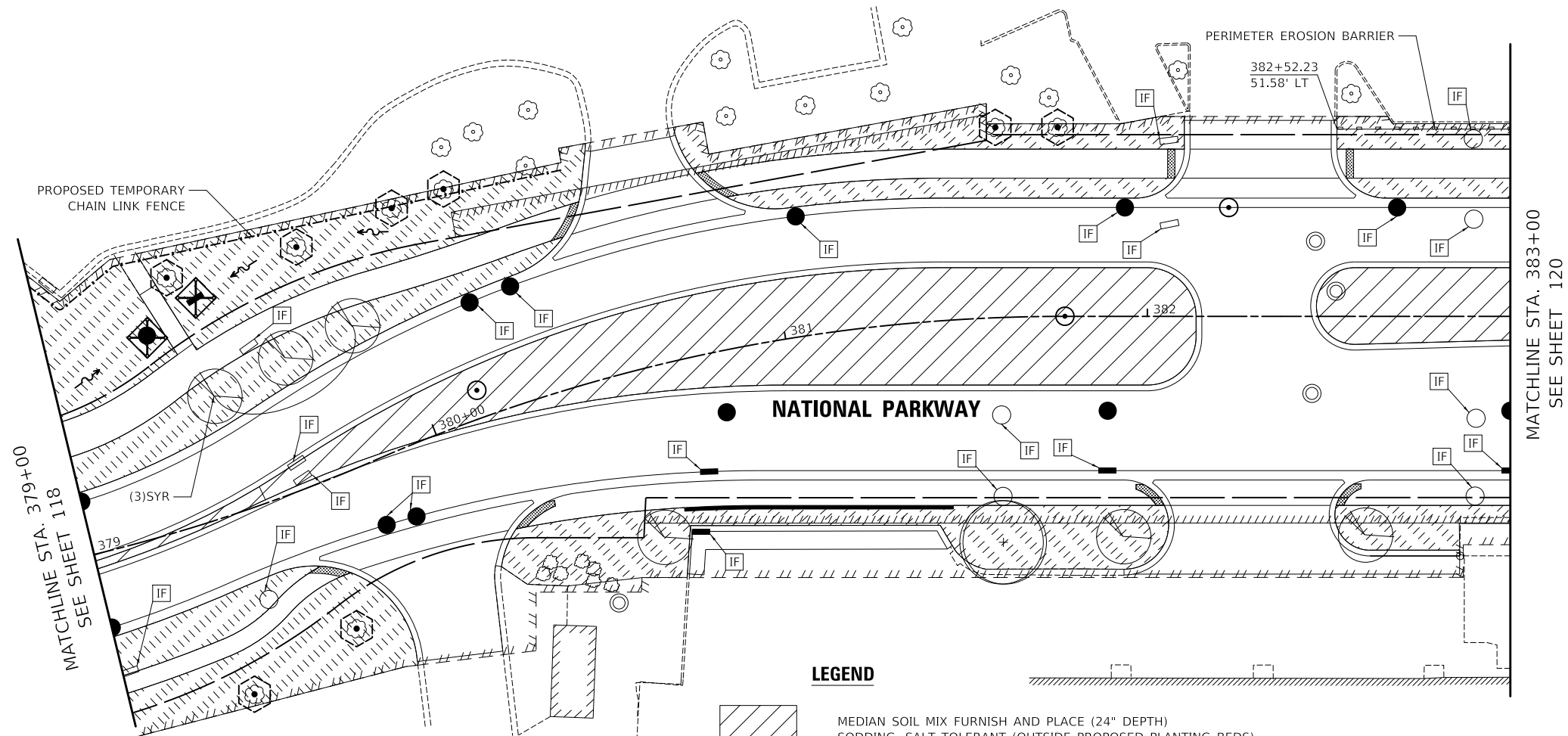
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	118
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



KEYMAP

NOTES








- 1) SEE MEDIAN AND PARKWAY PLANTING PLANS FOR PLANT SCHEDULES.



MATCHLINE STA. 379+00
SEE SHEET 118

MATCHLINE STA. 383+00
SEE SHEET 120

LEGEND

-  MEDIAN SOIL MIX FURNISH AND PLACE (24" DEPTH)
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  TOPSOIL (4")
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  PERIMETER EROSION BARRIER
-  INLET FILTER
-  ABOVE GRADE INLET PROTECTION (PAID FOR AS
16' PERIMETER EROSION BARRIER, SEE STANDARD 280001)
-  EXISTING TREE TO REMAIN
-  TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING



SCALE IN FEET

MODEL: \\MODEL\NAME
FILE: \\NAME - 032524-landscaping-01.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

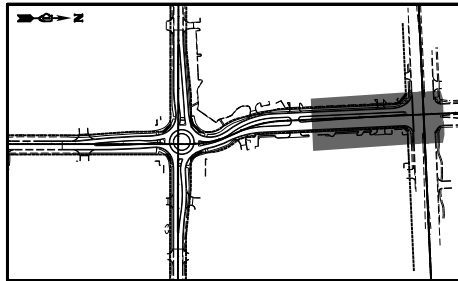
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 3 OF 5 SHEETS

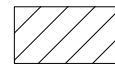






F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	119
CONTRACT NO. 61J04				

ILLINOIS FED. AID PROJECT



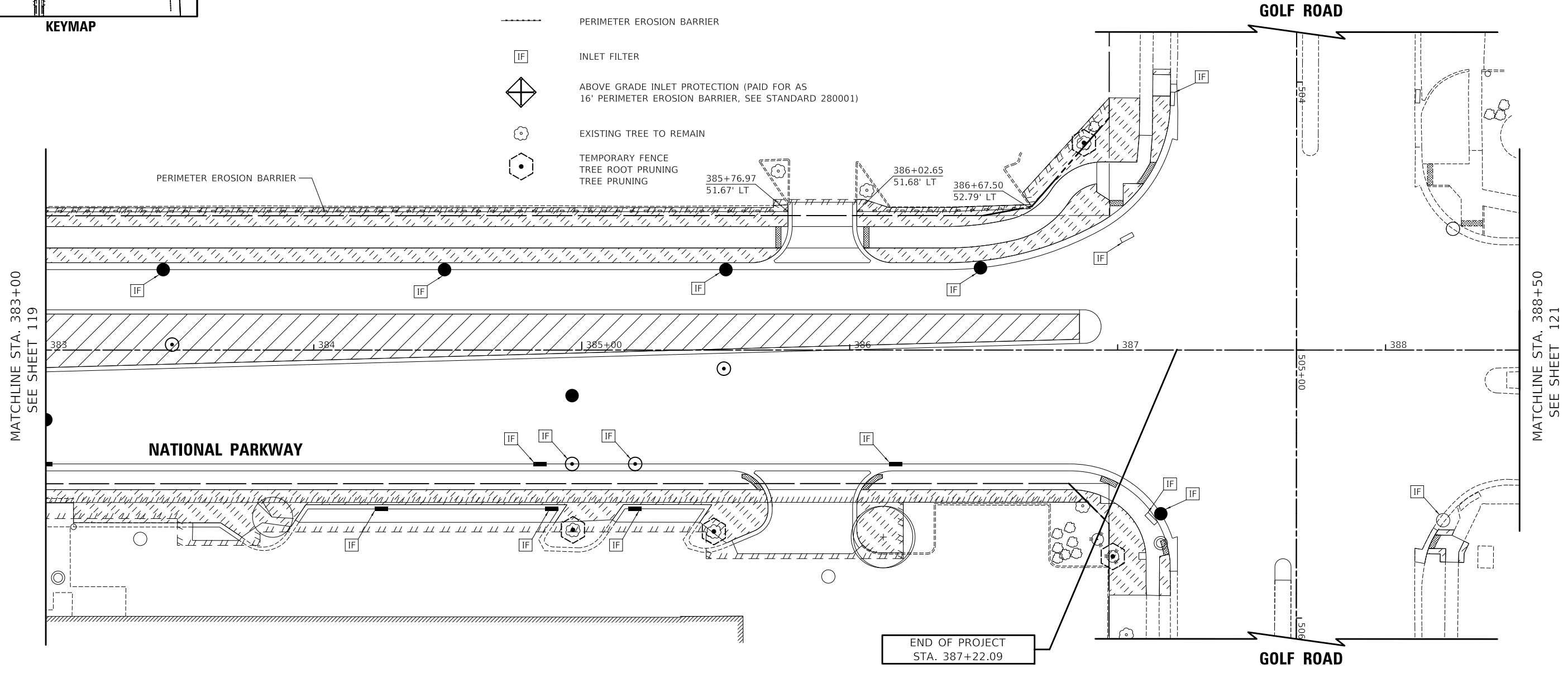
KEYMAP

LEGEND

-  MEDIAN SOIL MIX FURNISH AND PLACE (24" DEPTH)
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  TOPSOIL (4")
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
-  PERIMETER EROSION BARRIER
-  INLET FILTER
-  ABOVE GRADE INLET PROTECTION (PAID FOR AS
16' PERIMETER EROSION BARRIER, SEE STANDARD 280001)
-  EXISTING TREE TO REMAIN
-  TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

NOTES

- 1) SEE MEDIAN AND PARKWAY PLANTING PLANS FOR PLANT SCHEDULES.



MODEL: \\MODEL\NAME
FILE: \\NAME: 1032524-landscaping-01.dwg

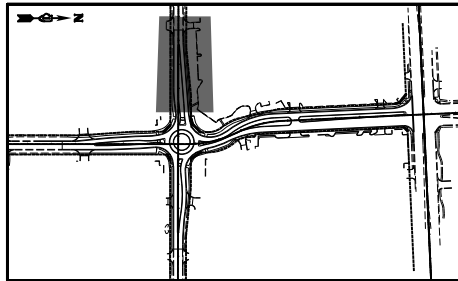
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

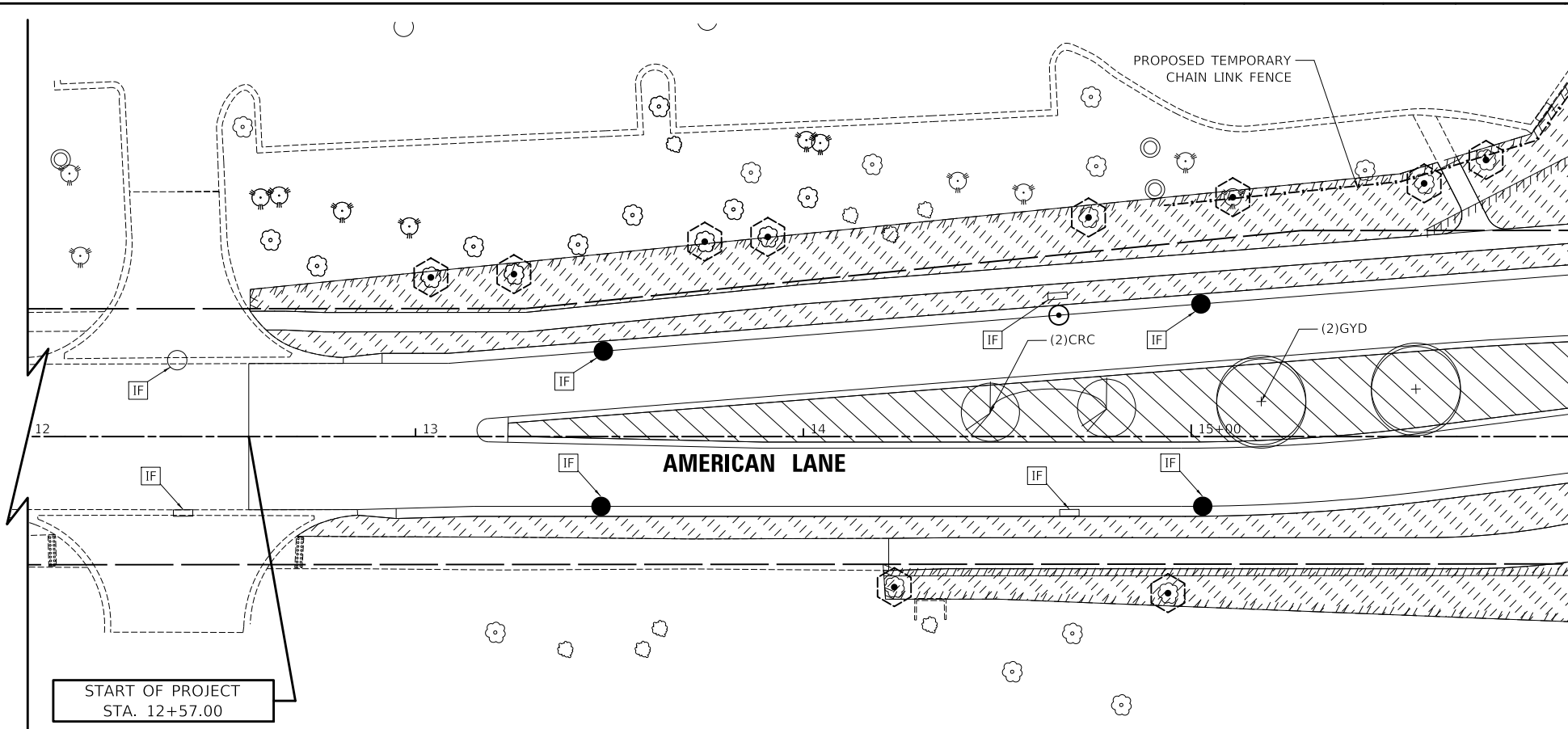
**NATIONAL PARKWAY
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 4 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	120
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



KEYMAP



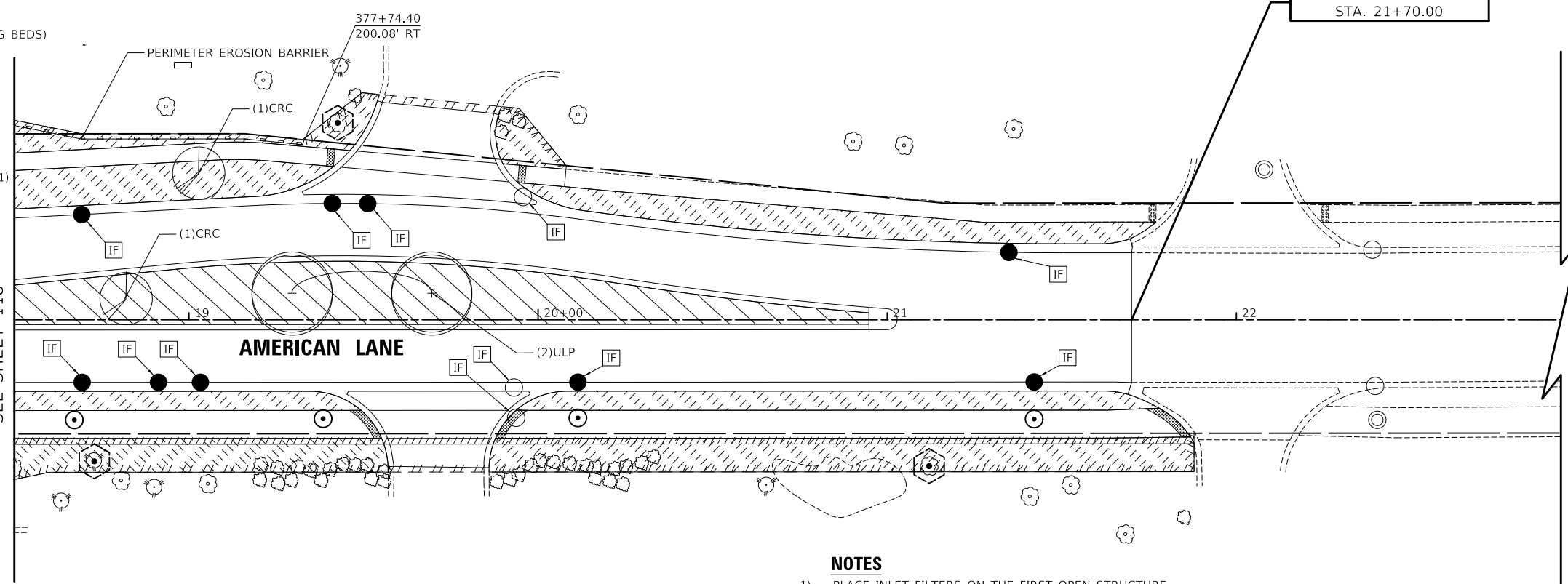
MATCHLINE STA. 16+00
SEE SHEET 118

START OF PROJECT
STA. 12+57.00

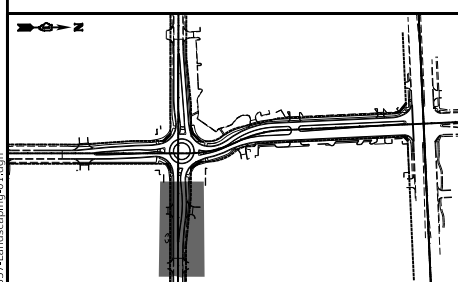
LEGEND

- MEDIAN SOIL MIX FURNISH AND PLACE (24" DEPTH)
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
- TOPSOIL (4")
SODDING, SALT TOLERANT (OUTSIDE PROPOSED PLANTING BEDS)
- PERIMETER EROSION BARRIER
- INLET FILTER
- ABOVE GRADE INLET PROTECTION (PAID FOR AS
16' PERIMETER EROSION BARRIER, SEE STANDARD 280001)
- EXISTING TREE TO REMAIN
- TEMPORARY FENCE
TREE ROOT PRUNING
TREE PRUNING

MATCHLINE STA. 18+50
SEE SHEET 118



END OF PROJECT
STA. 21+70.00



KEYMAP

NOTES

- 1) PLACE INLET FILTERS ON THE FIRST OPEN STRUCTURE ON BOTH SIDES OF DRIVEWAY EAST OF WORKZONE ON AMERICAN LANE.
- 2) SEE MEDIAN AND PARKWAY PLANTING PLANS FOR PLANT SCHEDULES.



SCALE IN FEET

MODEL: \\MODEL\NAME: FILE: \\NAME: ...16-00127-03-01.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

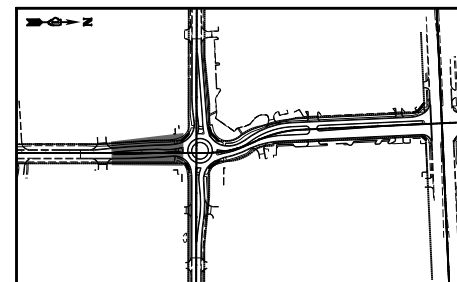
**AMERICAN LANE
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 5 OF 5 SHEETS

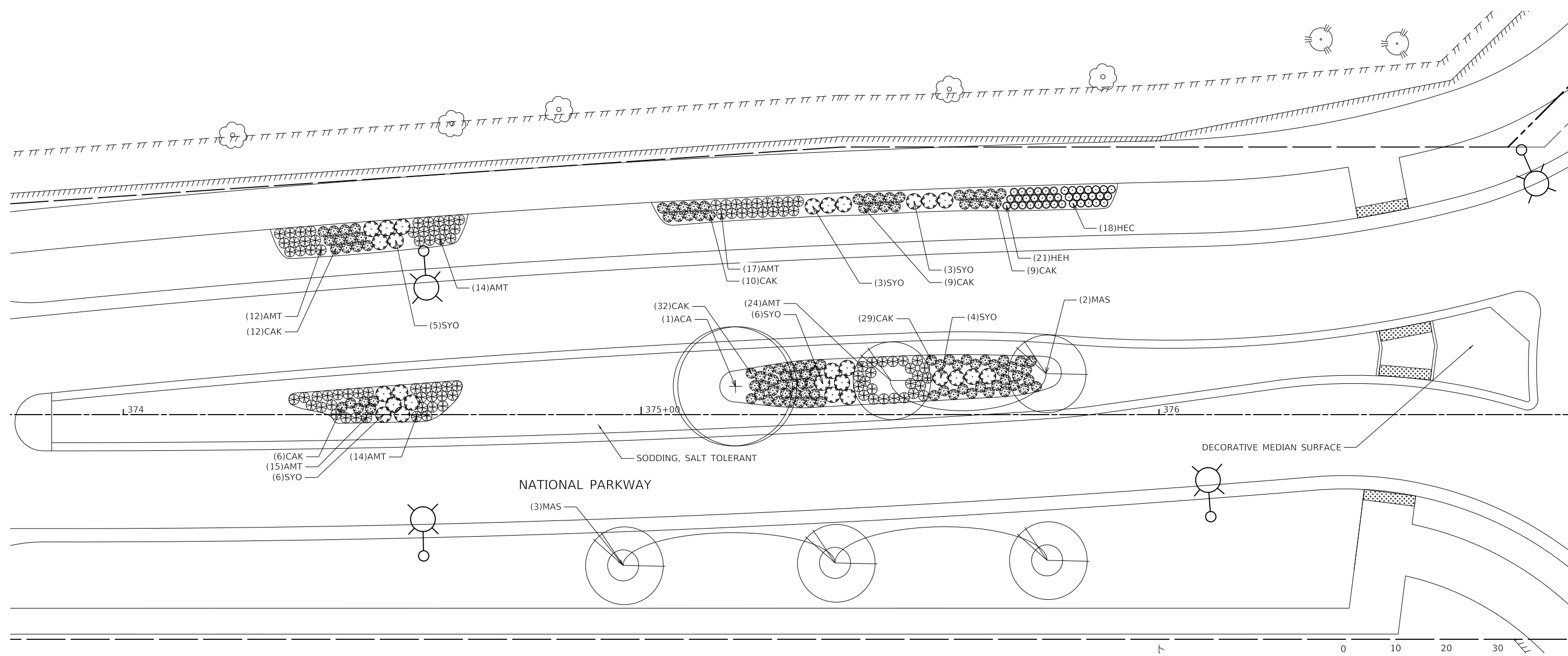
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	121
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



QTY	CODE	COMMON NAME	LATIN NAME	SIZE	WIDTH	SPACING
PERENNIALS						
96	AMT	AMSONIA TABERNAEMONTANA 'BLUE ICE'	AMSONIA 'BLUE ICE'	1 GAL	24"	16" O.C.
18	HEC	HEMEROCALLIS X 'CHICAGO APACHE'	CHICAGO APACHE DAYLILY	1 GAL	20"	18" O.C.
21	HEH	HEMEROCALLIS X 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	18"	18" O.C.
27	SYO	SYMPHYOTRICHUM OBLONGIFOLIUM 'OCTOBER SKIES'	AROMATIC ASTER	1 GAL	36"	24" O.C.
GRASSES						
107	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.
CANOPY TREES						
1	ACA	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE MAPLE	2.5" BB		40'
ORNAMENTAL TREES						
5	MAS	MALUS SARGENTII	DWARF SARGENT MAPLE	2" BB		30'



KEYMAP



SOUTH LEG OF NATIONAL PARKWAY AND AMERICAN LANE



MODEL: 160821.MXD
FILE: 16-00127-03-01-01-Medlan-Planting-Plans

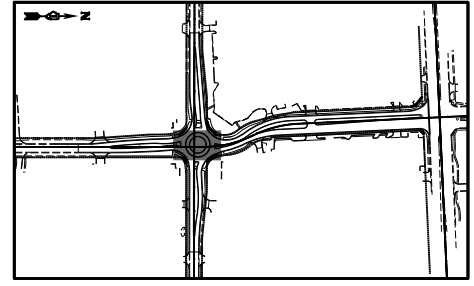
USER NAME = djc	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
MEDIAN AND PARKWAY PLANTING PLAN**

SCALE: 1" = 10' SHEET 1 OF 7 SHEETS

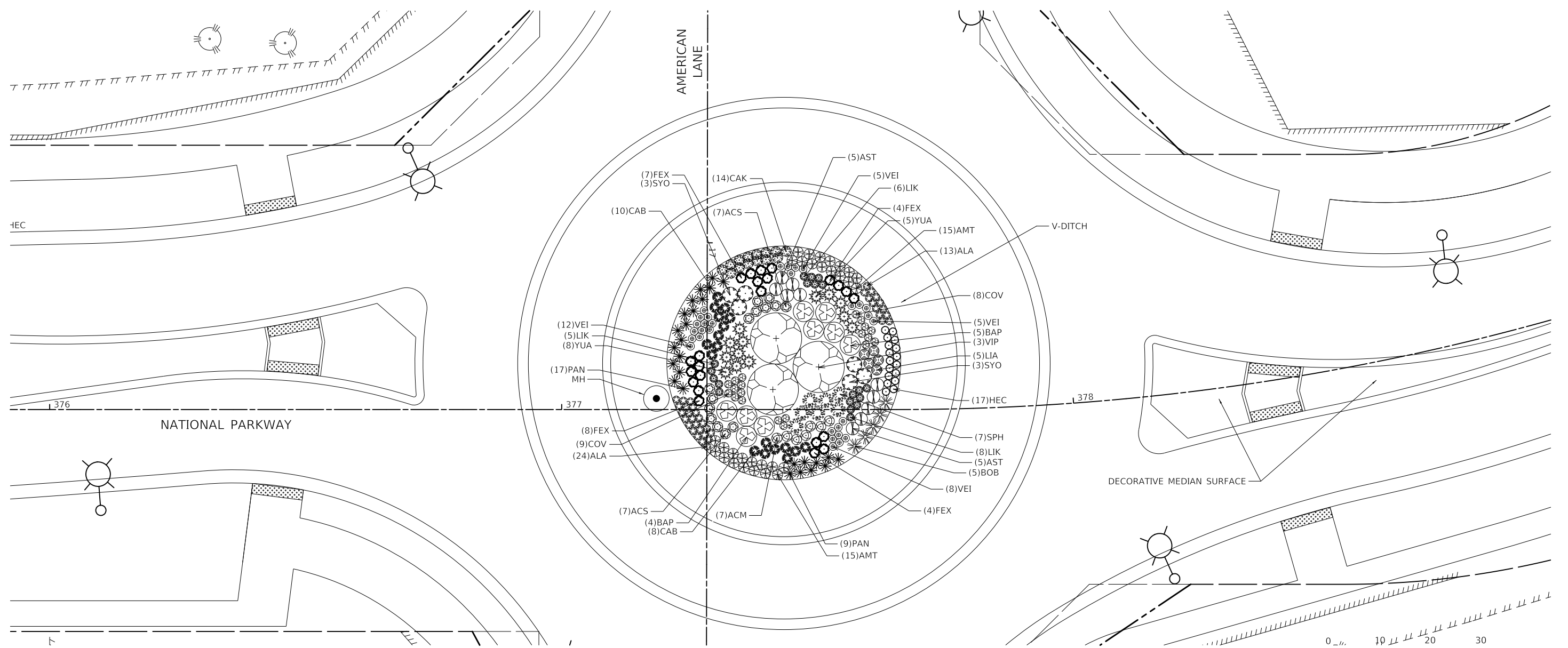
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	122
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



KEYMAP

QTY	CODE	COMMON NAME	LATIN NAME	SIZE	WIDTH	SPACING
PERENNIALS						
7	ACM	ACHILLEA MILLEFOLIUM 'MOONSHINE'	MOONSHINE YARROW	1 GAL	24"	18" O.C.
14	ACS	ACHILLEA MILLEFOLIUM 'STRAWBERRY SEDUCTION'	STRAWBERRY SEDUCTION YARROW	1 GAL	24"	18" O.C.
37	ALA	ALLIUM ANGULOSUM 'MILLENIUM'	MILLENIUM ALLIUM	1 GAL	15"	18" O.C.
30	AMT	AMSONIA TABERNAEMONTANA 'BLUE ICE'	AMSONIA 'BLUE ICE'	1 GAL	24"	16" O.C.
10	AST	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	1 GAL	30"	24" O.C.
9	BAP	BAPTISIA X 'PURPLE SMOKE'	PURPLE SMOKE BAPTISIA	1 GAL	48"	24" O.C.
17	COV	COREOPSIS VERTICILLATA 'GOLDEN SHOWERS'	GOLDEN SHOWERS COREOPSIS	1 GAL	18"	16" O.C.
17	HEC	HEMEROCALLIS X 'CHICAGO APACHE'	CHICAGO APACHE DAYLILY	1 GAL	20"	18" O.C.
5	LIA	LIATRIS SPICATA ALBA	WHITE BLAZING STAR	1 GAL	24"	16" O.C.
19	LIK	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER	1 GAL	18"	16" O.C.
6	SYO	SYMPHYOTRICHUM OBLONGIFOLIUM 'OCTOBER SKIES'	AROMATIC ASTER	1 GAL	36"	24" O.C.
30	VEI	VERNONIA LETTERMANNII 'IRON BUTTERFLY'	IRONWEED	1 GAL	18"	18" O.C.

QTY	CODE	COMMON NAME	LATIN NAME	SIZE	WIDTH	SPACING
GRASSES						
5	BOB	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	3 GAL	36"	40" O.C.
14	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.
18	CAB	CAREX BICKNELLII	COPPER-SHOULDERED OVAL SEDGE	3 GAL	24"	27" O.C.
23	FEX	FESTUCA X 'COOL AS ICE'	COOL AS ICE FESCUE	1 GAL	24"	14" O.C.
26	PAN	PANICUM VIRGATUM 'NORTHWIND'	SWITCHGRASS	3 GAL	30"	40" O.C.
7	SPH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL	36"	14" O.C.
SHRUBS						
3	VIP	VIBURNUM PRUNIFOLIUM	BLACKHAW VIBURNUM	6' HT.	10'	
13	YUA	YUCCA FILIMENTOSA 'ADAM'S NEEDLE'	ADAM'S NEEDLE YUCCA	1.5' HT.	36"	



ROUNDBOUT AT NATIONAL PARKWAY AND AMERICAN LANE



MODEL: \\MODEL\PLANS
FILE NAME: 16-00127-03-02-01-Median Planting Plans

USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISIONS -	
PLOT SCALE = 20,0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

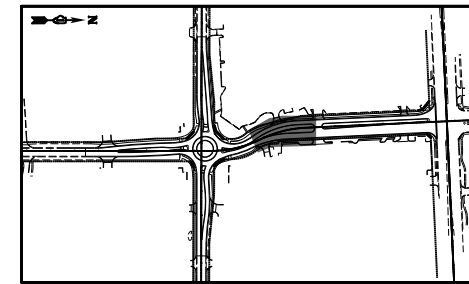
NATIONAL PARKWAY
MEDIAN AND PARKWAY PLANTING PLAN

SCALE: 1" = 10' SHEET 2 OF 7 SHEETS

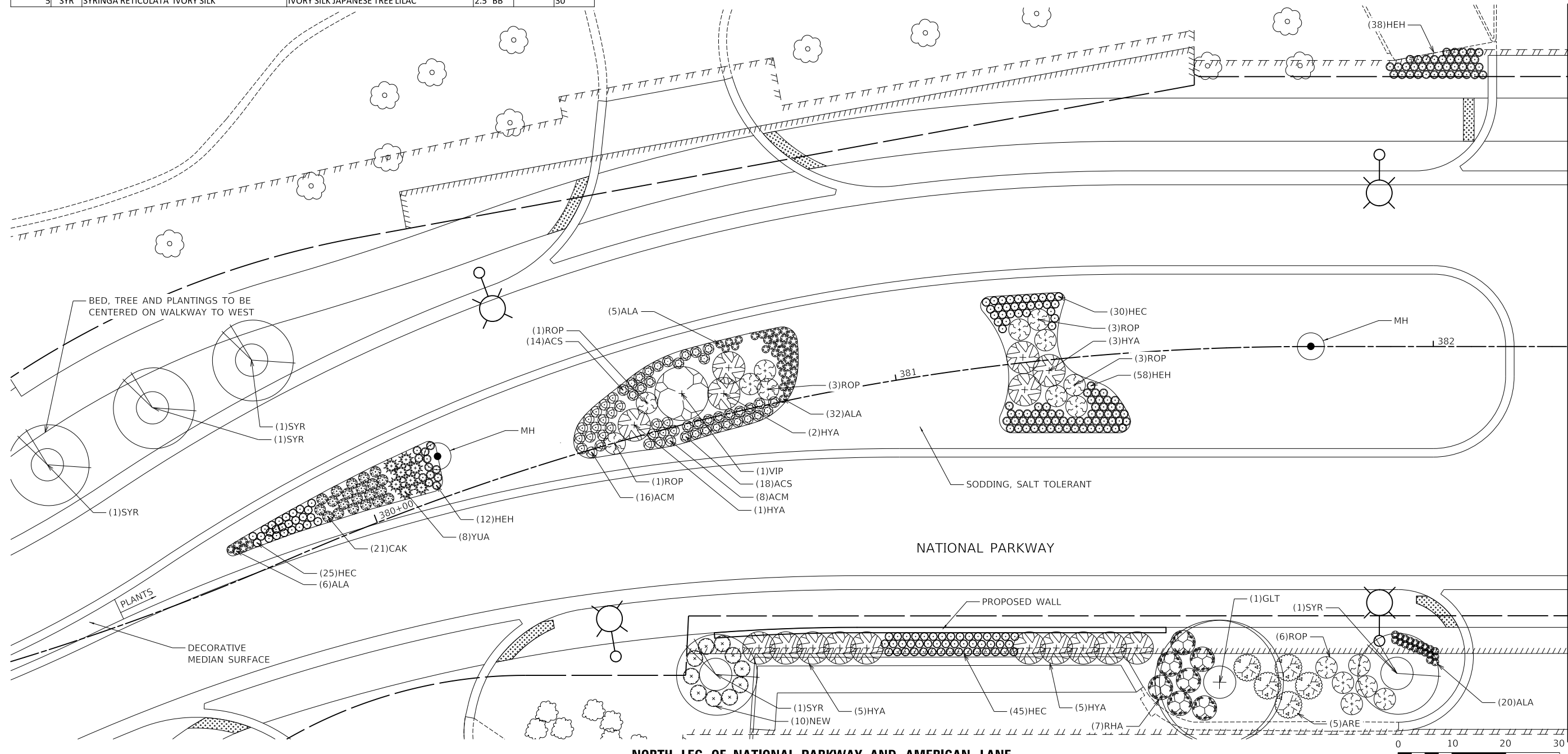
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	123
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



QTY	CODE	LATIN NAME	COMMON NAME	SIZE	WIDTH	SPACING
PERENNIALS						
24	ACM	ACHILLEA MILLEFOLIUM 'MOONSHINE'	MOONSHINE YARROW	1 GAL	24"	18" O.C.
32	ACS	ACHILLEA MILLEFOLIUM 'STRAWBERRY SEDUCTION'	STRAWBERRY SEDUCTION YARROW	1 GAL	24"	18" O.C.
63	ALA	ALLIUM ANGULOSUM 'MILLENIUM'	MILLENIUM ALLIUM	1 GAL	15"	18" O.C.
100	HEC	HEMEROCALLIS X 'CHICAGO APACHE'	CHICAGO APACHE DAYLILY	1 GAL	20"	18" O.C.
108	HEH	HEMEROCALLIS X 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	18"	18" O.C.
10	NEW	NEPETA RACEMOSA 'WALKERS LOW'	WALKERS LOW CATMINT	1 GAL	18"	18" O.C.
GRASSES						
21	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.
SHRUBS						
5	ARE	ARONIA MELANOCARPA ELATA	GLOSSY BLACK CHOKEBERRY	2' HT.	30"	
16	HYA	HYDRANGEA ARBORESCENS	ANNABELLE HYDRANGEA	2' HT.	6'	
7	RHA	RHUS AROMATICA	GRO-LOW SUMAC	2' HT.	30"	
17	ROP	ROSA RUGOSA 'PURPLE PAVEMENT'	PURPLE PAVEMENT ROSE	24" HT.	4'	
1	VIP	VIBURNUM PRUNIFOLIUM	BLACKHAWK VIBURNUM	6' HT.	10'	
8	YUA	YUCCA FILIMENTOSA 'ADAM'S NEEDLE'	ADAM'S NEEDLE YUCCA	1.5' HT.	36"	
ORNAMENTAL TREES						
1	GLT	GLEDITSIA TRIANCANTHOS INERMIS SKYLINE	SKYLINE THORNLESS COMMON HONEYLOCUST	2.5" BB		30'
5	SYR	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2.5" BB		30'



KEYMAP



NORTH LEG OF NATIONAL PARKWAY AND AMERICAN LANE

MATCHLINE STA. 382+25.00
SEE SHEET 125

MODEL: 16061001
FILE NAME: 16-00127-03-01-Median Planting Plans

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
MEDIAN AND PARKWAY PLANTING PLAN**

SCALE: 1" = 10' SHEET 3 OF 7 SHEETS

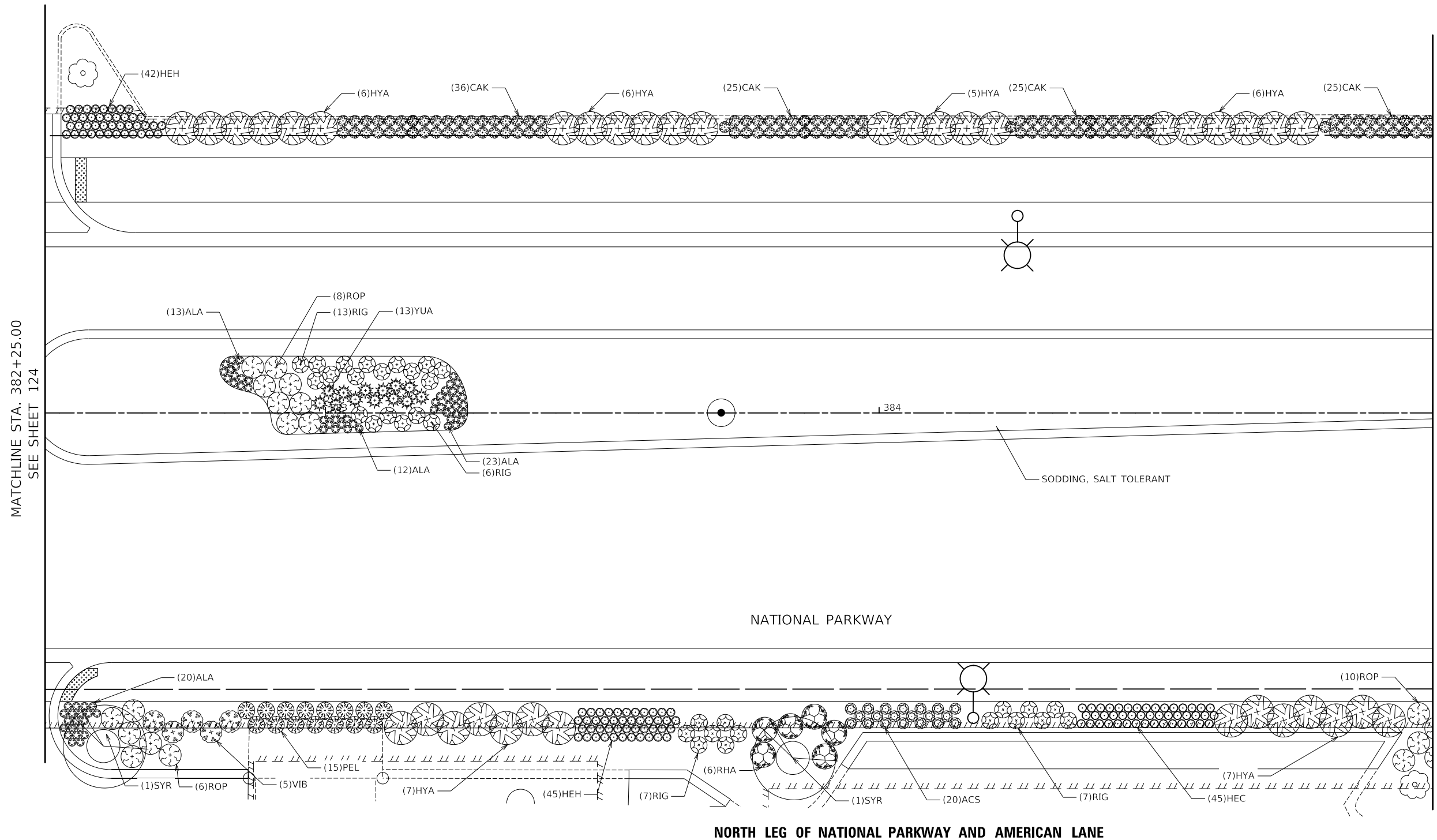
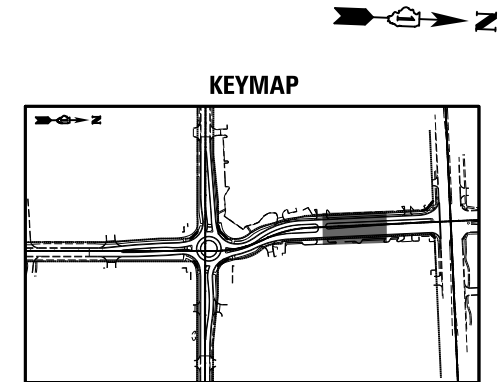
SCALE IN FEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	124
CONTRACT NO. 61J04				

ILLINOIS FED. AID PROJECT

QTY	CODE	LATIN NAME	COMMON NAME	SIZE	WIDTH	SPACING
PERENNIALS						
20	ACS	ACHILLEA MILLEFOLIUM 'STRAWBERRY SEDUCTION'	STRAWBERRY SEDUCTION YARROW	1 GAL	24"	18" O.C.
68	ALA	ALLIUM ANGULOSUM 'MILLENIUM'	MILLENIUM ALLIUM	1 GAL	15"	18" O.C.
45	HEC	HEMEROCALLIS X 'CHICAGO APACHE'	CHICAGO APACHE DAYLILY	1 GAL	20"	18" O.C.
87	HEH	HEMEROCALLIS X 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	18"	18" O.C.
GRASSES						
111	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.

QTY	CODE	COMMON NAME	LATIN NAME	SIZE	WIDTH	SPACING
SHRUBS						
37	HYA	HYDRANGEA ARBORESCENS	ANNABELLE HYDRANGEA	2' HT.	6'	
6	RHA	RHUS AROMATICA	GRO-LOW SUMAC	2' HT.	30"	
15	PEL	PEROVASKIA ATRIPLICIFOLIA	LONGIN RUSSIAN SAGE	3' HT.	18"	
33	RIG	RIBES ALPINUM 'GREEN MOUND'	GREEN MOUND ALPINE CURRANT	18" W.	36"	
24	ROP	ROSA RUGOSA 'PURPLE PAVEMENT'	PURPLE PAVEMENT ROSE	24" HT.	4'	
13	YUA	YUCCA FILIMENTOSA 'ADAM'S NEEDLE'	ADAM'S NEEDLE YUCCA	1.5' HT.	36"	
5	VIB	VIBURNUM DENTATUM 'BLUE MUFFIN'	BLUE MUFFIN ARROWOOD VIBURNUM	3' HT.	24"	
ORNAMENTAL TREES						
2	SYR	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2.5" BB		30'



MODEL: 3/08/2022
FILE NAME: 03/22/2022 Median Planting Plans

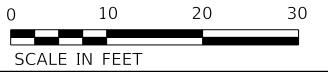
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
MEDIAN AND PARKWAY PLANTING PLAN**

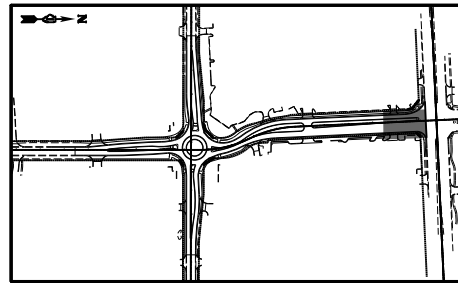
USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

SCALE: 1" = 10' SHEET 4 OF 7 SHEETS

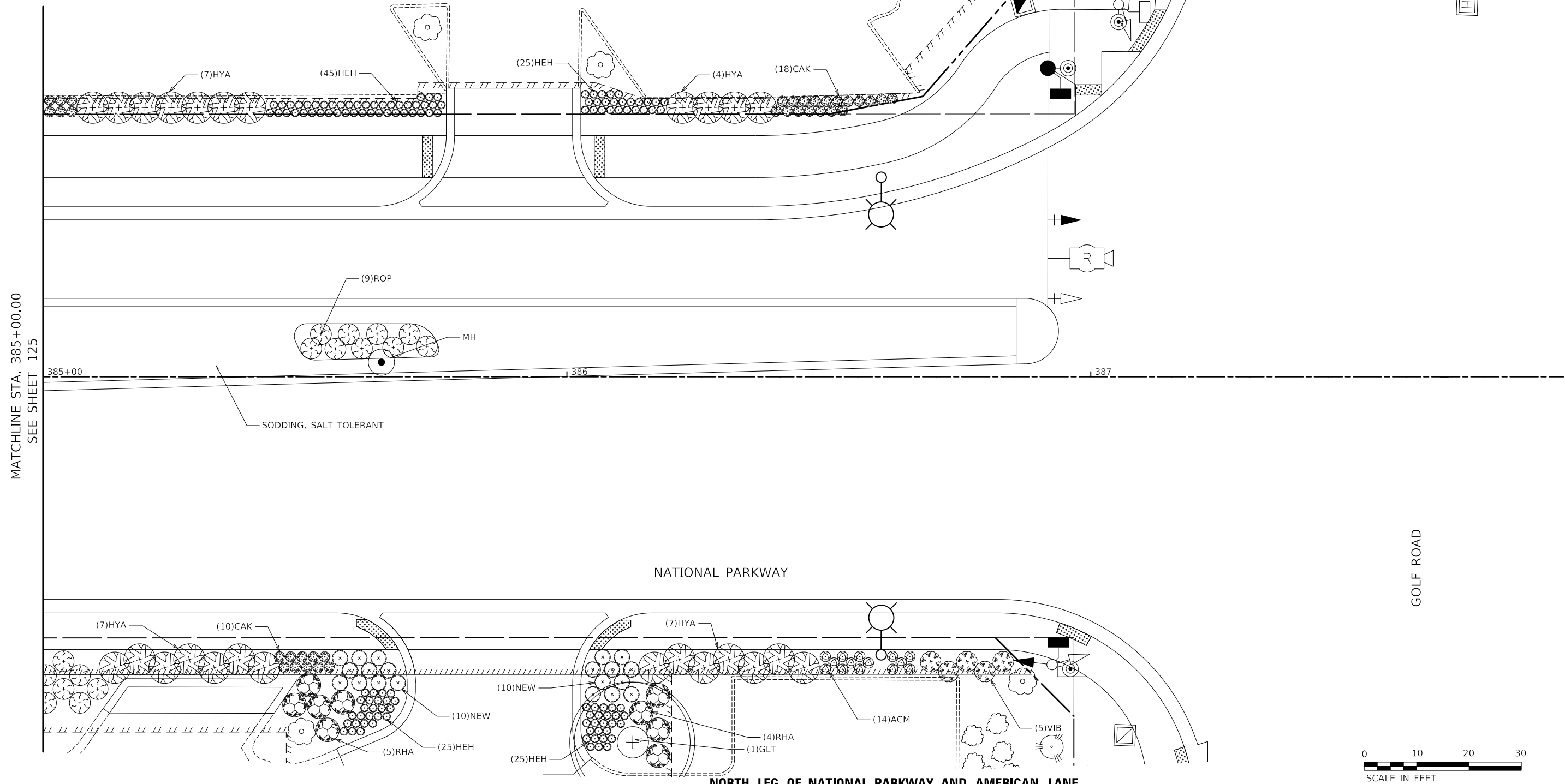
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	125
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



QTY	CODE	LATIN NAME	COMMON NAME	SIZE	WIDTH	SPACING
PERENNIALS						
14	ACM	ACHILLEA MILLEFOLIUM 'MOONSHINE'	MOONSHINE YARROW	1 GAL	24"	18" O.C.
120	HEH	HEMEROCALLIS X 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	18"	18" O.C.
20	NEW	NEPETA RACEMOSA 'WALKERS LOW'	WALKERS LOW CATMINT	1 GAL	18"	18" O.C.
GRASSES						
28	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.
SHRUBS						
25	HYA	HYDRANGEA ARBORESCENS	ANNABELLE HYDRANGEA	2' HT.	6'	
9	RHA	RHUS AROMATICA	GRO-LOW SUMAC	2' HT.	30"	
9	ROP	ROSA RUGOSA 'PURPLE PAVEMENT'	PURPLE PAVEMENT ROSE	24" HT.	4'	
5	VIB	VIBURNUM DENTATUM 'BLUE MUFFIN'	BLUE MUFFIN ARROWOOD VIBURNUM	3' HT.	24"	
ORNAMENTAL TREES						
1	GLT	GLEDITSA TRIANCANTHOS INERMIS SKYLINE	SKYLINE THORNLESS COMMON HONEYLOCUST	2.5" BB		30'



KEYMAP



NORTH LEG OF NATIONAL PARKWAY AND AMERICAN LANE

MODEL: 160821001
FILE NAME: 16-00127-03-PV-Median Planting Plans

USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

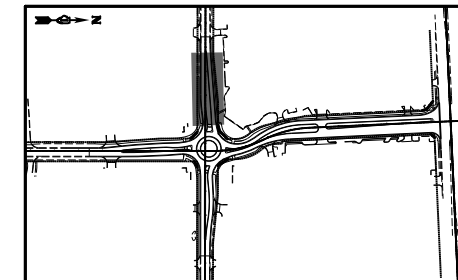
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
MEDIAN AND PARKWAY PLANTING PLAN

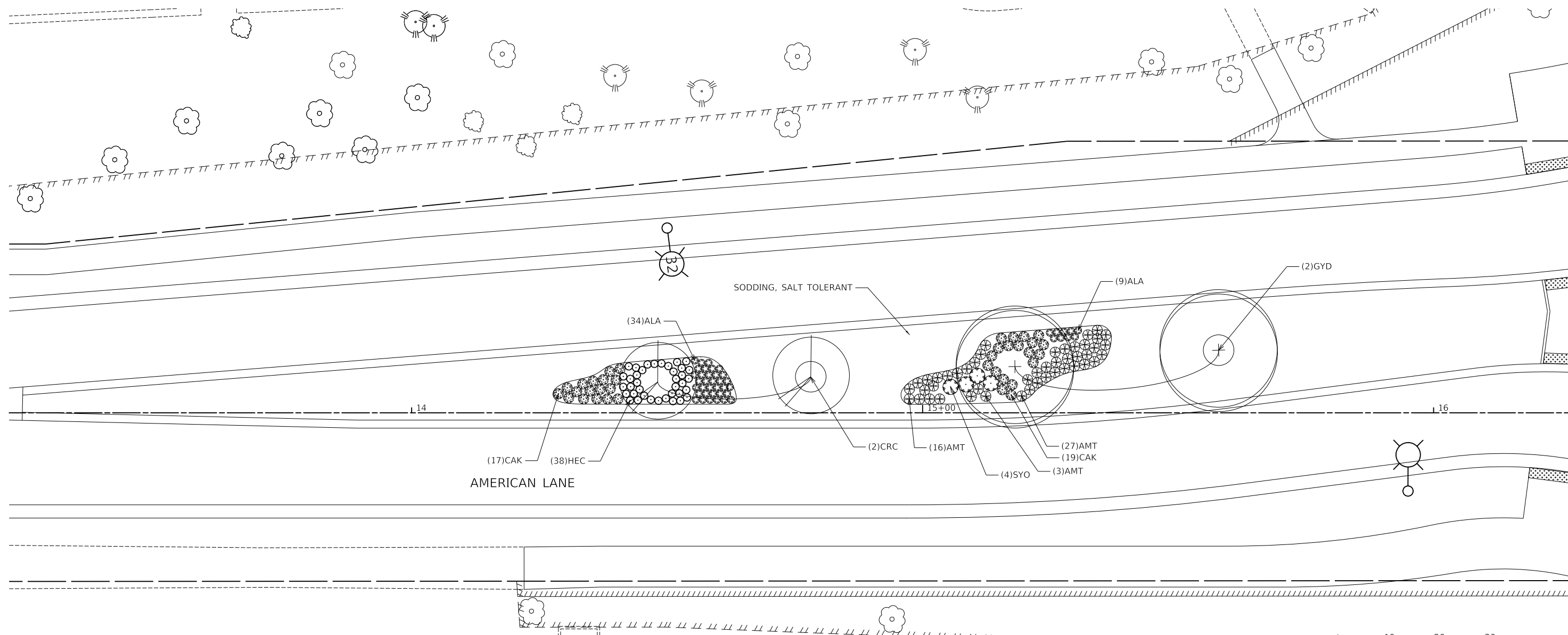
SCALE: 1" = 10' SHEET 5 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	126
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

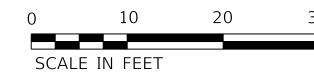
QTY	CODE	COMMON NAME	LATIN NAME	SIZE	WIDTH	SPACING
PERENNIALS						
43	ALA	ALLIUM ANGULOSUM 'MILLENIUM'	MILLENIUM ALLIUM	1 GAL	15"	18" O.C.
46	AMT	AMSONIA TABERNAEMONTANA 'BLUE ICE'	AMSONIA 'BLUE ICE'	1 GAL	24"	16" O.C.
38	HEC	HEMEROCALLIS X 'CHICAGO APACHE'	CHICAGO APACHE DAYLILY	1 GAL	20"	18" O.C.
4	SYO	SYMPHYOTRICHUM OBLONGIFOLIUM 'OCTOBER SKIES'	AROMATIC ASTER	1 GAL	36"	24" O.C.
GRASSES						
36	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.
CANOPY TREES						
2	GVD	GYMNOCLADUS DIOCUS	KENTUCKY COFFEETREE	2.5" BB		40'
ORNAMENTAL TREES						
2	CRC	CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	2.5" BB		30'



KEYMAP



WEST LEG OF AMERICAN LANE AND NATIONAL PARKWAY



MODEL: \\MODELNAME
FILE: \\NAME: \\31257-Median Planting Plans

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

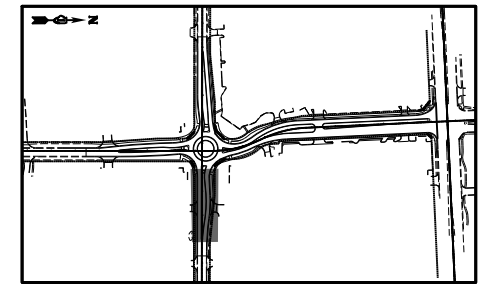
AMERICAN LANE
MEDIAN AND PARKWAY PLANTING PLAN

SCALE: 1" = 10' SHEET 6 OF 7 SHEETS

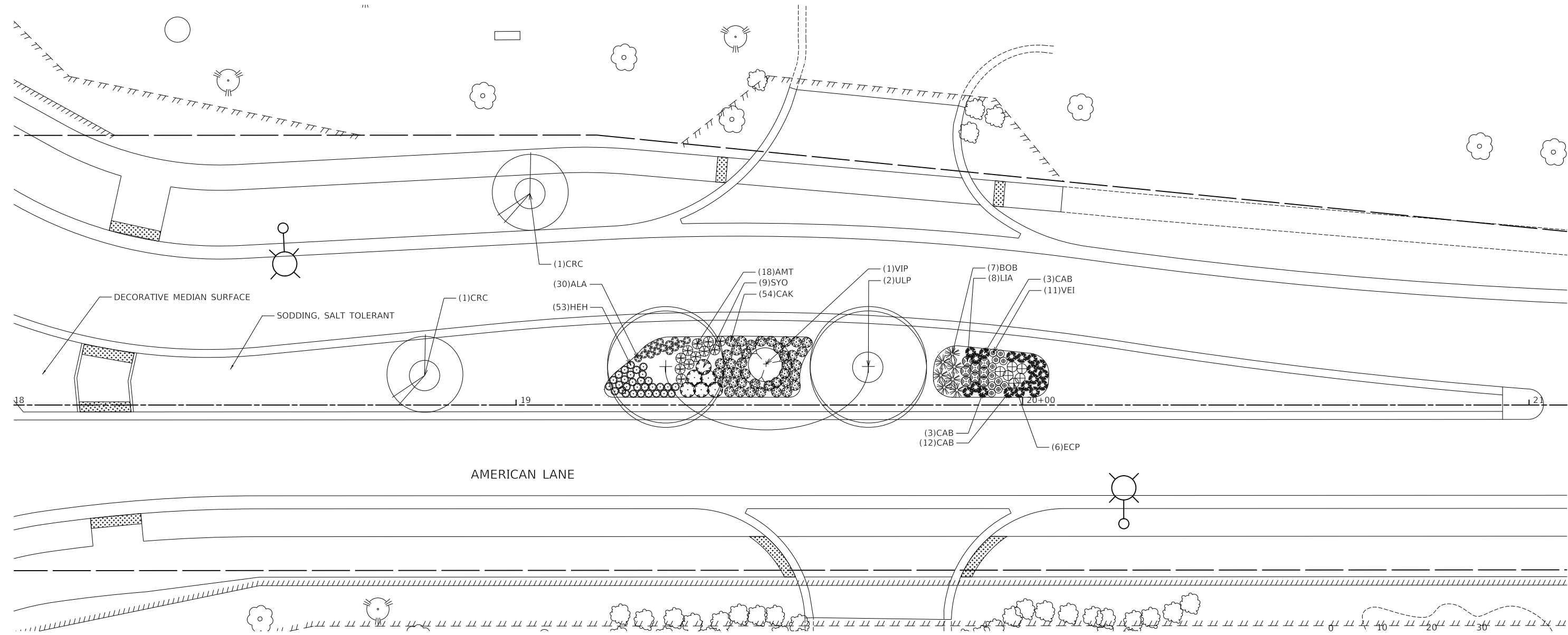
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	127
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



QTY	CODE	COMMON NAME	LATIN NAME	SIZE	WIDTH	SPACING
PERENNIALS						
30	ALA	ALLIUM ANGULOSUM 'MILLENIUM'	MILLENIUM ALLIUM	1 GAL	15"	18" O.C.
18	AMT	AMSONIA TABERNAEMONTANA 'BLUE ICE'	AMSONIA 'BLUE ICE'	1 GAL	24"	16" O.C.
6	ECP	ECHINACEA 'PIXIE MEADOWBRITE'	PIXIE MEADOWBRITE CONEFLOWER	1 GAL	24"	18" O.C.
53	HEH	HEMEROCALLIS X 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	18"	18" O.C.
8	LIA	LIATRIS SPICATA ALBA	WHITE BLAZING STAR	1 GAL	24"	16" O.C.
9	SYO	SYMPHYOTRICHUM OBLONGIFOLIUM 'OCTOBER SKIES'	AROMATIC ASTER	1 GAL	36"	24" O.C.
11	VEI	VERNONIA LETTERMANNII 'IRON BUTTERFLY'	IRONWEED	1 GAL	18"	18" O.C.
GRASSES						
7	BOB	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	3 GAL	36"	40" O.C.
54	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.
18	CAB	CAREX BICKNELLII	COPPER-SHOULDERED OVAL SEDGE	3 GAL	24"	27" O.C.
SHRUBS						
1	VIP	VIBURNUM PRUNIFOLIUM	BLACKHAW VIBURNUM	6' HT.	10'	
CANOPY TREES						
2	ULP	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5" BB		40'
ORNAMENTAL TREES						
2	CRC	CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	2.5" BB		30'



KEYMAP



AMERICAN LANE

EAST LEG OF AMERICAN LANE AND NATIONAL PARKWAY



MODEL: 4/06/2022
FILE: 4/06/2022 - Median Planting Plans

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

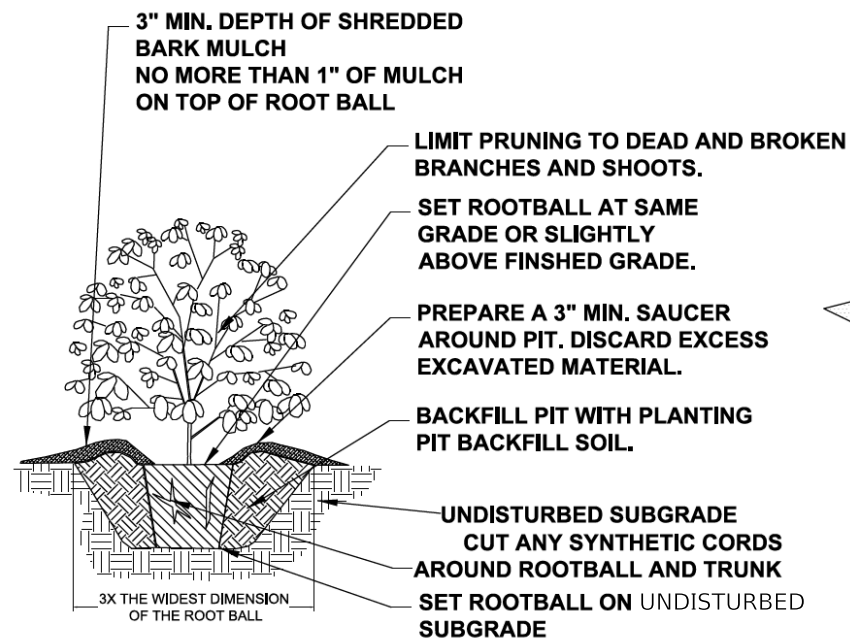
SCALE: 1" = 10'
SHEET 7 OF 7 SHEETS

**AMERICAN LANE
MEDIAN AND PARKWAY PLANTING PLAN**

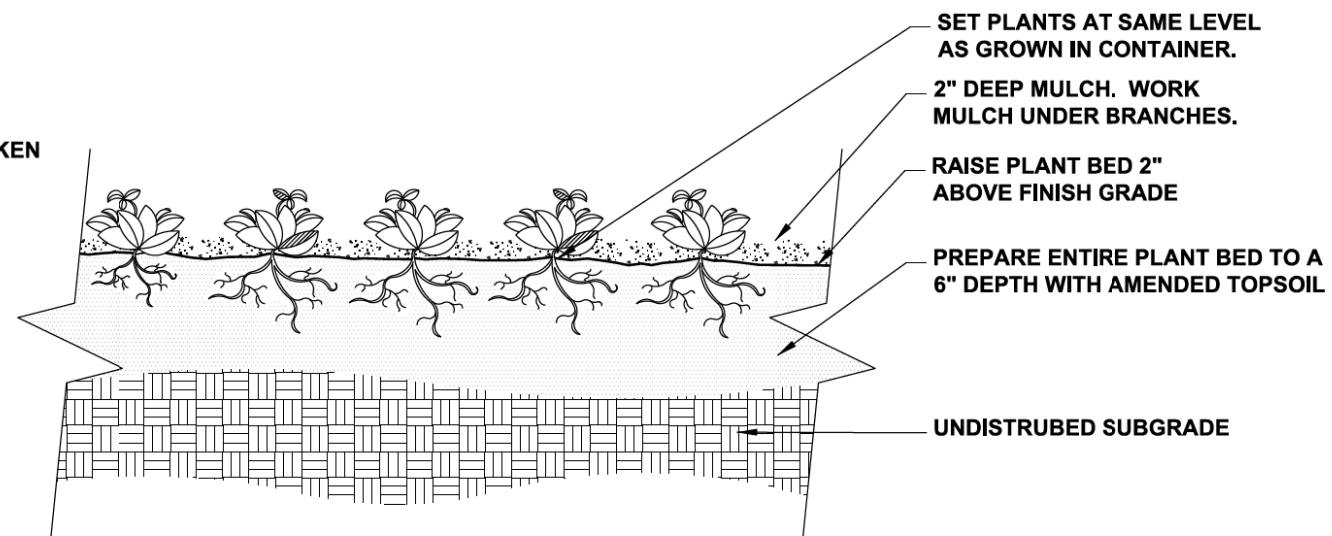
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	128
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

GENERAL CONSTRUCTION NOTES:

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



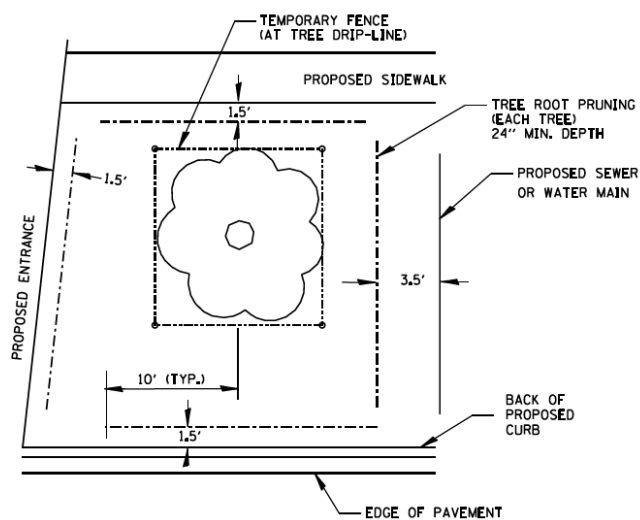
SHRUB PLANTING DETAIL
NO SCALE



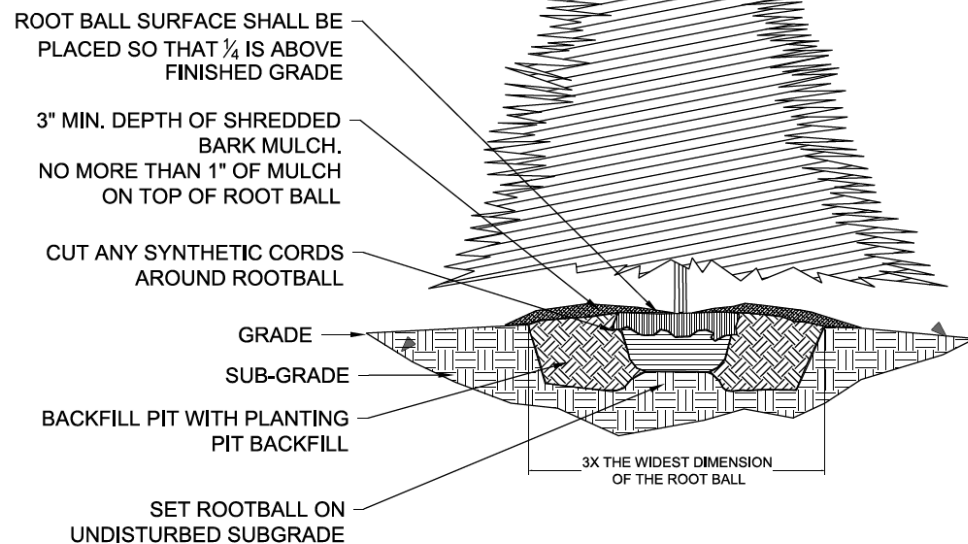
**PERENNIAL,
AND GROUNDCOVER DETAIL**
NO SCALE

FOLD BACK THE BURLAP FROM THE TOP OF THE ROOT BALL OR REMOVE THE BURLAP FROM THE TOP OF THE ROOT BALL

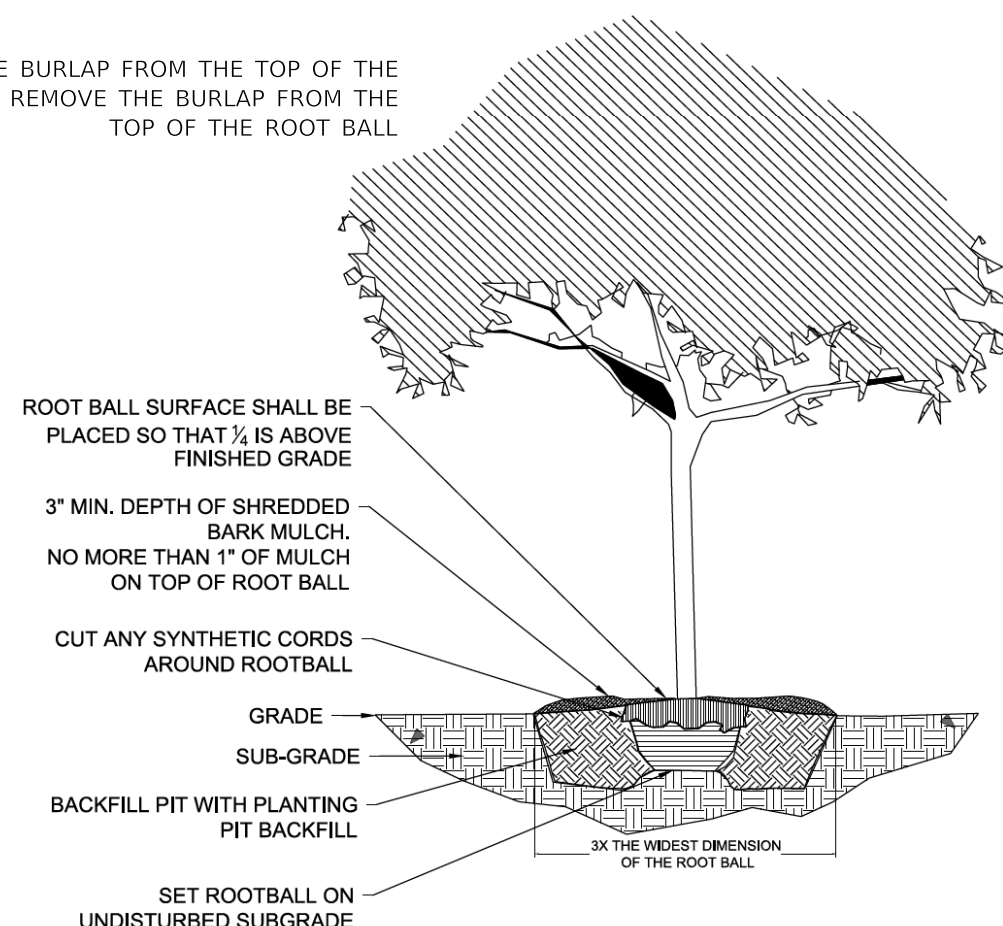
FOLD BACK THE BURLAP FROM THE TOP OF THE ROOT BALL OR REMOVE THE BURLAP FROM THE TOP OF THE ROOT BALL



TREE & ROOT PROTECTION
N.T.S.



**EVERGREEN TREE
PLANTING DETAIL**
NO SCALE



TREE PLANTING DETAIL
NO SCALE

MODEL: SH001ELNAMES
FILE NAME: 20220424-landscaping_Details.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

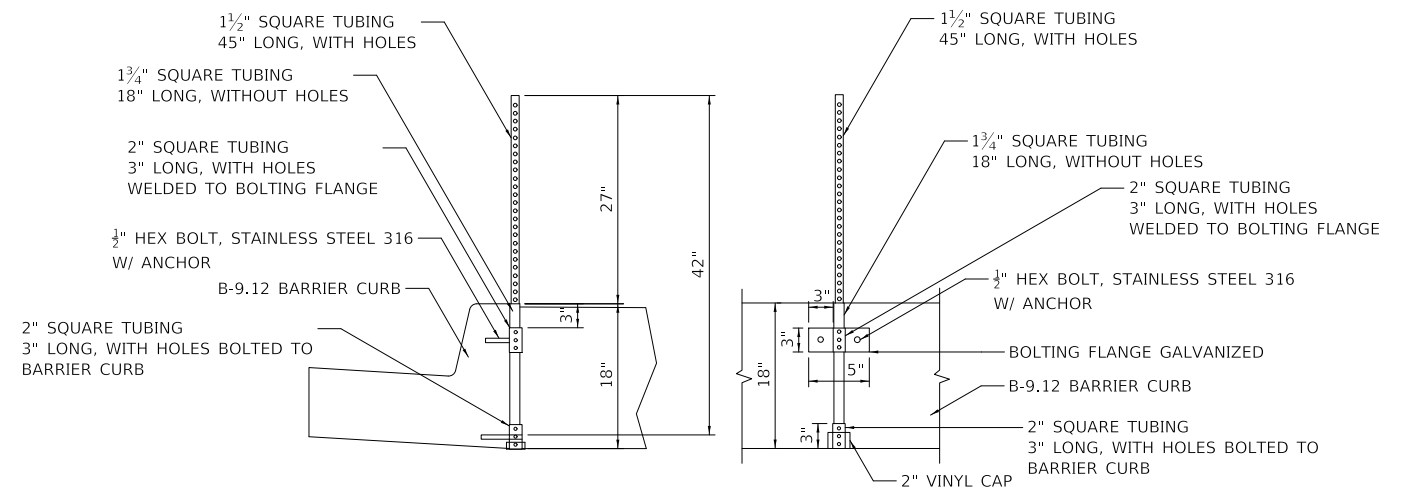
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
PLANTING DETAILS**

SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	129
				CONTRACT NO. 61J04
ILLINOIS FED. AID PROJECT				

QTY	CODE	LATIN NAME	COMMON NAME	SIZE	WIDTH	SPACING
PERENNIALS						
45	ACM	ACHILLEA MILLEFOLIUM 'MOONSHINE'	MOONSHINE YARROW	1 GAL	24"	18" O.C.
66	ACS	ACHILLEA MILLEFOLIUM 'STRAWBERRY SEDUCTION'	STRAWBERRY SEDUCTION YARROW	1 GAL	24"	18" O.C.
241	ALA	ALLIUM ANGULOSUM 'MILLENIUM'	MILLENIUM ALLIUM	1 GAL	15"	18" O.C.
190	AMT	AMSONIA TABERNAEMONTANA 'BLUE ICE'	AMSONIA 'BLUE ICE'	1 GAL	24"	16" O.C.
10	AST	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	1 GAL	30"	24" O.C.
9	BAP	BAPTISIA X 'PURPLE SMOKE'	PURPLE SMOKE BAPTISIA	1 GAL	48"	24" O.C.
17	COV	COREOPSIS VERTICILLATA 'GOLDEN SHOWERS'	GOLDEN SHOWERS COREOPSIS	1 GAL	18"	16" O.C.
6	ECP	ECHINACEA 'PIXIE MEADOWBRITE'	PIXIE MEADOWBRITE CONEFLOWER	1 GAL	24"	18" O.C.
218	HEC	HEMEROCALLIS X 'CHICAGO APACHE'	CHICAGO APACHE DAYLILY	1 GAL	20"	18" O.C.
389	HEH	HEMEROCALLIS X 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	18"	18" O.C.
13	LIA	LIATRIS SPICATA ALBA	WHITE BLAZING STAR	1 GAL	24"	16" O.C.
19	LIK	LIATRIS SPICATA 'KOBOLD'	KOBOLD GAYFEATHER	1 GAL	18"	16" O.C.
46	SYO	SYMPHYOTRICHUM OBLONGIFOLIUM 'OCTOBER SKIES'	AROMATIC ASTER	1 GAL	36"	24" O.C.
41	VEI	VERNONIA LETTERMANNII 'IRON BUTTERFLY'	IRONWEED	1 GAL	18"	18" O.C.
30	NEW	NEPETA RACEMOSA 'WALKERS LOW'	WALKERS LOW CATMINT	1 GAL	18"	18" O.C.
GRASSES						
12	BOB	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLONDE AMBITION BLUE GRAMA	3 GAL	36"	40" O.C.
371	CAK	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	3 GAL	24"	40" O.C.
36	CAB	CAREX BICKNELLII	COPPER-SHOULDERED OVAL SEDGE	3 GAL	24"	27" O.C.
23	FEX	FESTUCA X 'COOL AS ICE'	COOL AS ICE FESCUE	1 GAL	24"	14" O.C.
26	PAN	PANICUM VIRGATUM 'NORTHWIND'	SWITCHGRASS	3 GAL	30"	40" O.C.
7	SPH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL	36"	14" O.C.
SHRUBS						
5	ARE	ARONIA MELANOCARPA ELATA	GLOSSY BLACK CHOKEBERRY	2' HT.	30"	
78	HYA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE HYDRANGEA	2' HT.	6'	
15	PEL	PEROVASKIA ATRIPLICIFOLIA	LONGIN RUSSIAN SAGE	3' HT.	18"	
22	RHA	RHUS AROMATICA	GRO-LOW SUMAC	2' HT.	30"	
33	RIG	RIBES ALPINUM 'GREEN MOUND'	GREEN MOUND ALPINE CURRANT	18" W.	36"	
50	ROP	ROSA RUGOSA 'PURPLE PAVEMENT'	PURPLE PAVEMENT ROSE	24" HT.	4'	
10	VIB	VIBURNUM DENTATUM 'BLUE MUFFIN'	BLUE MUFFIN ARROWOOD VIBURNUM	3' HT.	24"	
5	VIP	VIBURNUM PRUNIFOLIUM	BLACKHAW VIBURNUM	6' HT.	10'	
34	YUA	YUCCA FILAMENTOSA 'ADAM'S NEEDLE'	ADAM'S NEEDLE YUCCA	1.5' HT.	36"	
CANOPY TREES						
1	ACA	ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE MAPLE	2.5" BB	40'	
2	GLT	GLEDITSIA TRIANCANTHOS INERMIS SKYLINE	SKYLINE THORNLESS COMMON HONEYLOCUST	2.5" BB	30'	
2	GVD	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	2.5" BB	40'	
2	ULP	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5" BB	40'	
ORNAMENTAL TREES						
4	CRC	CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	2.5" BB	30'	
5	MAS	MALUS SARGENTII	DWARF SARGENT MAPLE	2" BB	30'	
7	SYR	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2.5" BB	30'	



COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (SPECIAL)
(NOT TO SCALE)

MODEL: 4100BELNAMES
FILE NAME: 1031224-landscaping_Details.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
LANDSCAPE DETAIL**

SHEET 1 OF 1 SHEETS

F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 130
CONTRACT NO. 61J04			ILLINOIS FED. AID PROJECT	

NOTES:

EXISTING WATERMAIN PRESSURES ARE APPROXIMATELY BETWEEN 48-56 PSI. CONTRACTOR SHALL REVISE IRRIGATION ZONES ACCORDINGLY BASED ON IRRIGATION MANUFACTURER MINIMUM VALVE AND DRIP KIT INLET PRESSURE REQUIREMENTS.

ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.

ALL ELECTRICAL CONNECTIONS SHALL BE MADE USING WATERPROOF SPLICES.

PIPE ROUTING IS SCHEMATIC. FINAL IRRIGATION PIPE AND CONTROL CONDUIT PLACEMENT SHALL BE LOCATED TO MINIMIZE CONFLICTS WITH EXISTING AND PROPOSED UTILITIES (CONTRACTOR TO COORDINATE).

IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING THE IRRIGATION SCHEDULE DURING THE PROJECT CONSTRUCTION AND UNTIL THE SYSTEM IS ACCEPTED BY THE ENGINEER. LANDSCAPE MATERIAL SHALL RECEIVE ADJUSTED AMOUNTS OF PRECIPITATION TO MAINTAIN PROPER PLANT HEALTH.

IRRIGATION CONTROL WIRING SHALL CONSIST OF #14 AWG TINNED COPPER MULTI CONDUCTOR CABLE WITH A COMMON GROUND. CABLE SHALL BE RATED FOR UNDERGROUND, DIRECT BURIAL APPLICATIONS, AND PROVIDED WITH A SUNLIGHT/UV RESISTANT PVC OUTER JACKET. CONTRACTOR SHALL SIZE CABLE TO PROVIDE EACH CONTROL VALVE WITH 2/C #14 AWG WIRES.

IRRIGATION CONTRACTOR SHALL INCLUDE LABOR AND EQUIPMENT FOR PROVIDING ONE WINTER AND ONE SPRING STARTUP IN PROJECT SCOPE.

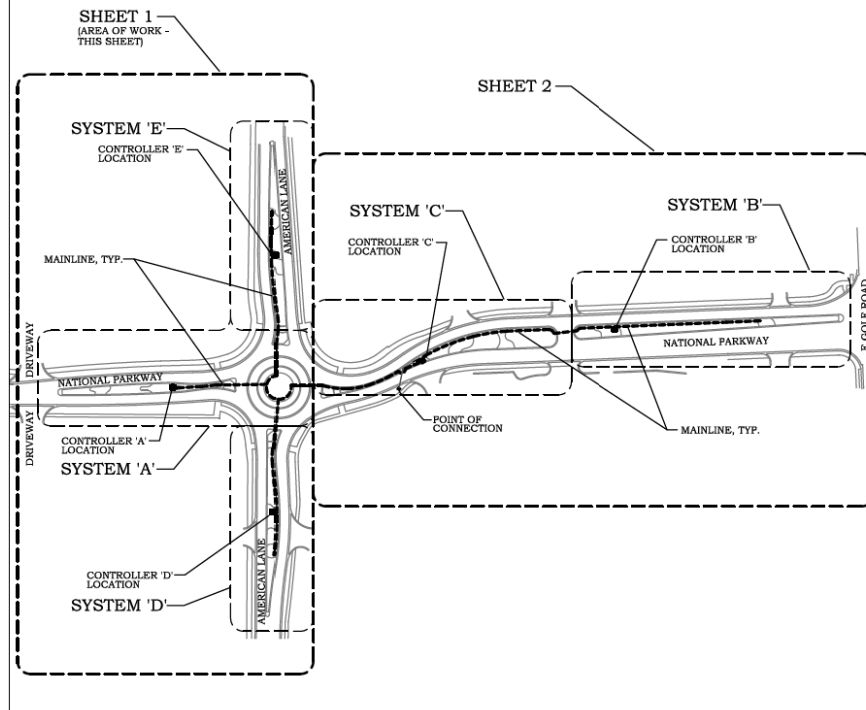
IRRIGATION PIPE & SPRAY HEADS SHALL BE LOCATED A MINIMUM OF 6" BEHIND THE BACK OF CURB.

CONTRACTOR SHALL FURNISH AND INSTALL 1/C #12 SOLID XLP-TYPE USE TRACER WIRE. THE TRACER WIRE SHALL BE TAPED TO PROPOSED IRRIGATION PIPE APPROXIMATELY EVERY 8'-10FT, AND TERMINATE AT TRACER ACCESS WELL, LOCATED ADJACENT TO IRRIGATION ENCLOSURE.

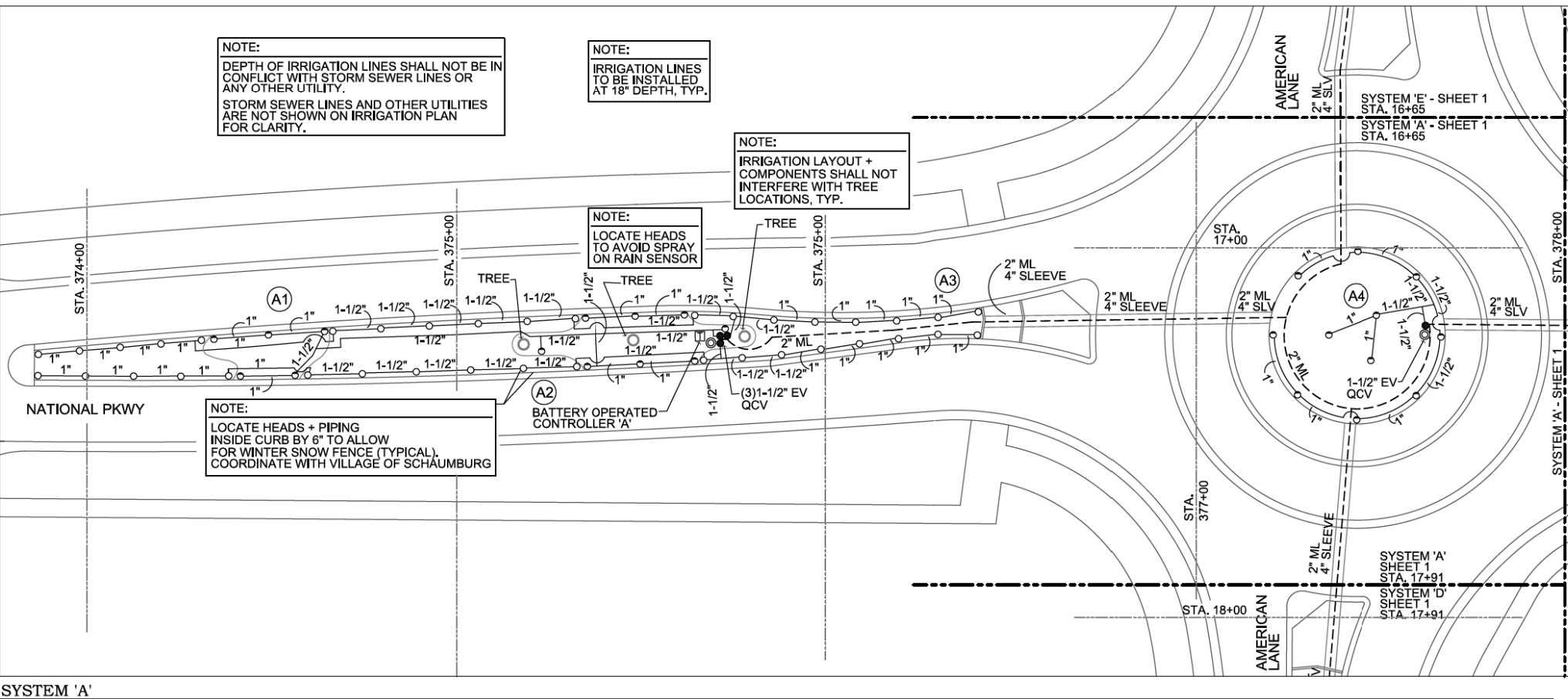
SEE IRRIGATION DETAILS FOR WATER TAP COMPLETE AND ELECTRIC VALVE INSTALLATION.

ALL IRRIGATION PIPING UNDER ANY ROADWAY, SIDEWALK OR OTHER PAVEMENT SHALL BE IN A PVC SLEEVE WHICH IS SIZED TWO TIMES THE SIZE OF THE IRRIGATION PIPE. (FOR EXAMPLE: 1" PIPE = 2" SLEEVE, ETC.)

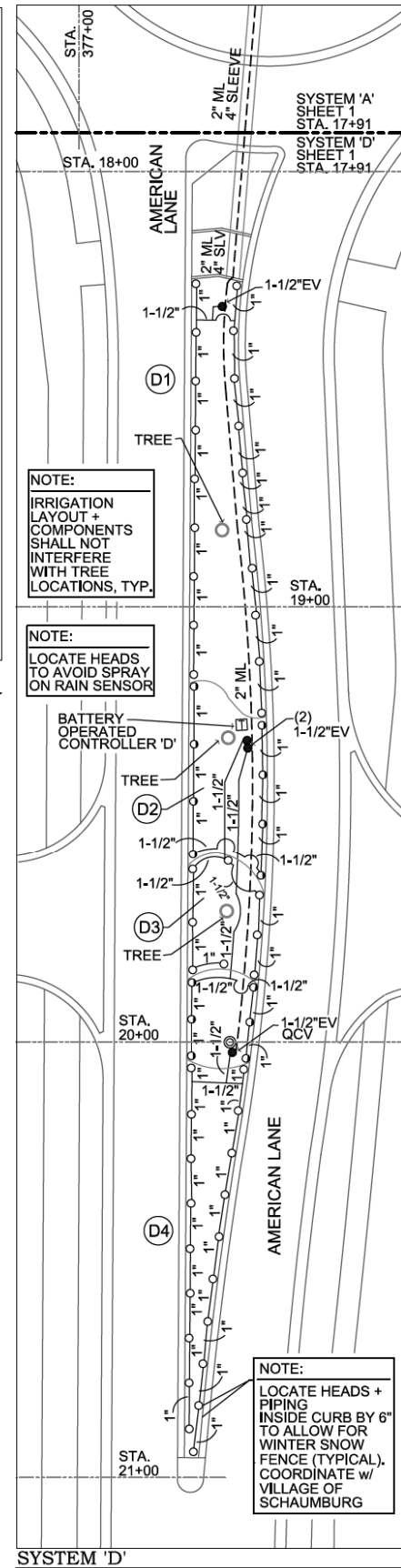
ALL IRRIGATION PIPE SLEEVING SHALL BE INCLUDED IN THE COST OF "IRRIGATION SYSTEM SPECIAL"



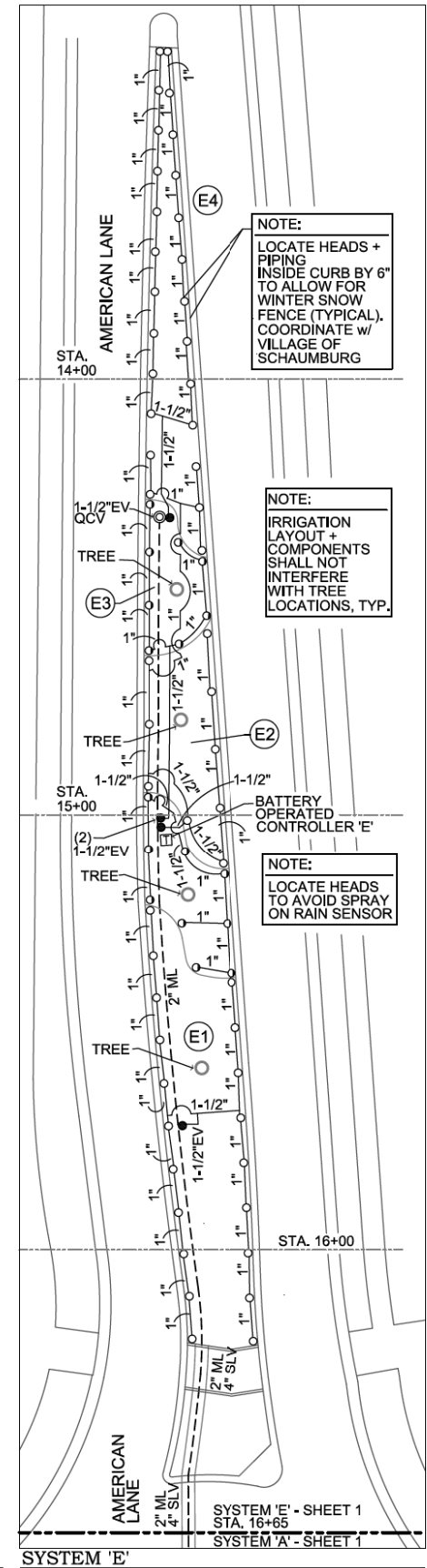
KEY PLAN
N.T.S.



SYSTEM 'A'



SYSTEM 'D'



SYSTEM 'E'

SHEET 1 OF 3

NOTE:
SEE SHEET 2 FOR SPECIFIED MATERIALS AND QUANTITIES

NOTE:
SEE SHEET 3 FOR DETAILS



Drawn By: ern	PROJECT:							
Scale: 1"=20'-0" U.N.O.	IDOT - National Parkway Golf Rd to Woodfield Rd Schaumburg							
Date: 03.07.2022								
LEGEND	Rotor Head	Pop up Head	Shrub Head	Electric Valve	QCV	Auto Drains	Manual Drains	IRRIGATION SYSTEMS 28323 BALLARD DR. LAKE FOREST, IL 60045 815-228-1400 FAX: 815-228-6780
SYMBOL	△	○	○	●	⊙	×	⊗	
QUANT.	---	---	---	---	---	---	---	
F.A.U. R.I.E.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.		
1103	16-00127-03-PV			COOK	242	131		
				CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT								

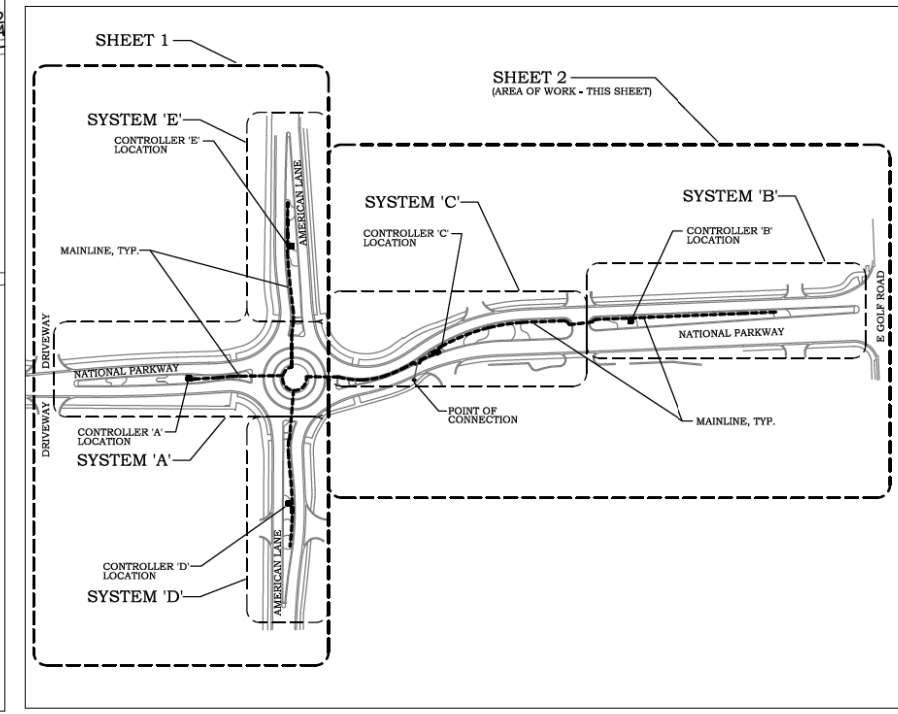
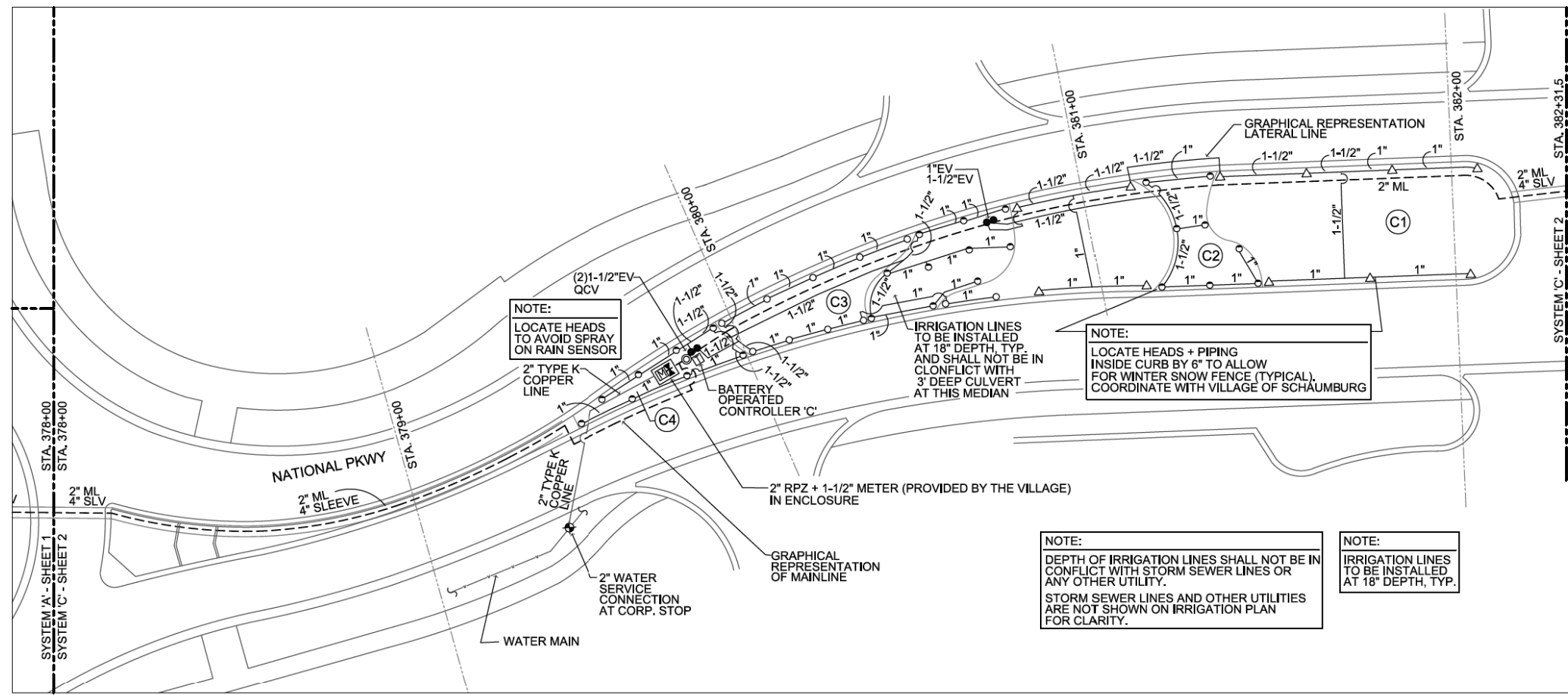
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
MEDIAN AND PARKWAY IRRIGATION PLAN

SCALE: 1" = 20'-0" SHEET 1 OF 3 SHEETS

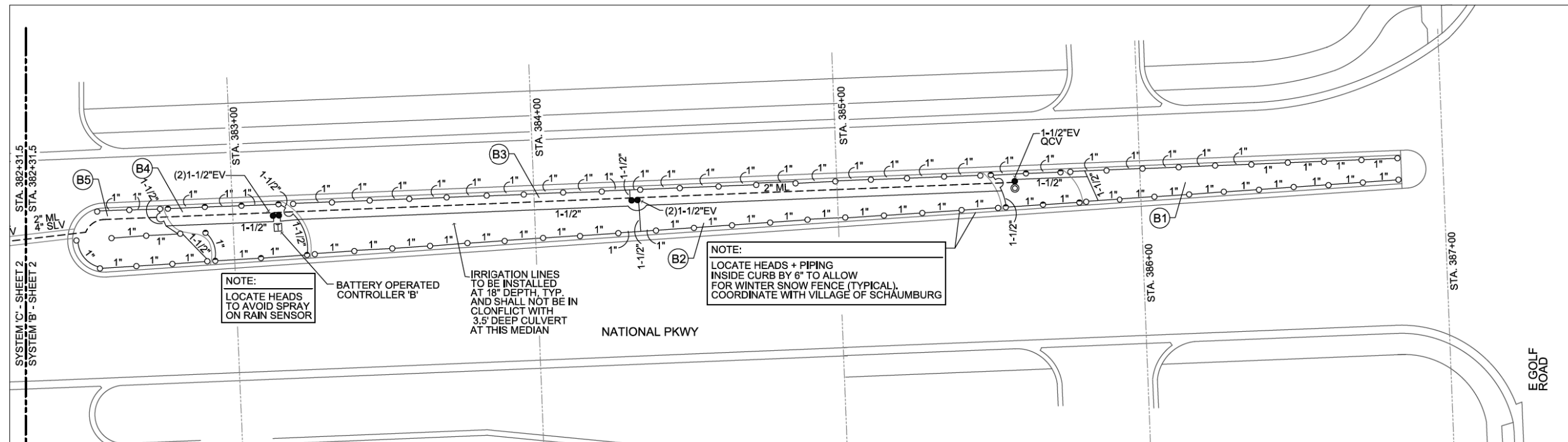
MODEL: BMODEL.NAMES
FILE NAME: PFILES

USER NAME	SEE HALLORAN & YAUCH TITLE BLOCK	DESIGNED	SEE HALLORAN & YAUCH TITLE BLOCK	REVISED	-
DRAWN	SEE HALLORAN & YAUCH TITLE BLOCK	CHECKED	SEE HALLORAN & YAUCH TITLE BLOCK	REVISED	-
PLOT SCALE	SEE HALLORAN & YAUCH TITLE BLOCK	DATE	SEE HALLORAN & YAUCH TITLE BLOCK	REVISED	-
PLOT DATE	SEE HALLORAN & YAUCH TITLE BLOCK				



SYSTEM 'C'

KEY PLAN



NOTES:

SEE IRRIGATION DETAILS FOR WATER TAP COMPLETE AND ELECTRIC VALVE INSTALLATION.

ALL IRRIGATION PIPING UNDER ANY ROADWAY, SIDEWALK OR OTHER PAVEMENT SHALL BE IN A PVC SLEEVE WHICH IS SHALL BE TWO TIMES THE SIZE OF THE IRRIGATION PIPE. (FOR EXAMPLE: 1" PIPE = 2" SLEEVE, ETC.)

ALL IRRIGATION PIPE SLEEVING SHALL BE INCLUDED IN THE COST OF "IRRIGATION SYSTEM SPECIAL"

SPECIFIED MATERIALS

RAINBIRD ELECTRIC VALVE - PEB w/ DC SOLENOID	●
RAINBIRD 5000 ROTARY HEAD	▲
RAINBIRD 1804 SPRAY HEAD (4")	○
RAINBIRD 1812 SPRAY HEAD (12")	○
BUCKNER QUICK COUPLER VALVES - QB33NPAR07	○
TORO BATTERY OPERATED CONTROLLER DDCWP 08 9V 8 STATION	□
PE 100# LATERAL PIPE & FITTINGS*	---
PVC SDR 21 200# MAINLINE PIPE & SCH 40 FITTINGS*	---

* 14/1 TRACER WIRE TO INSTALLED WITH ALL PIPING

SYSTEM 'B'

MODEL: MODELNAMES
FILE NAME: FILES

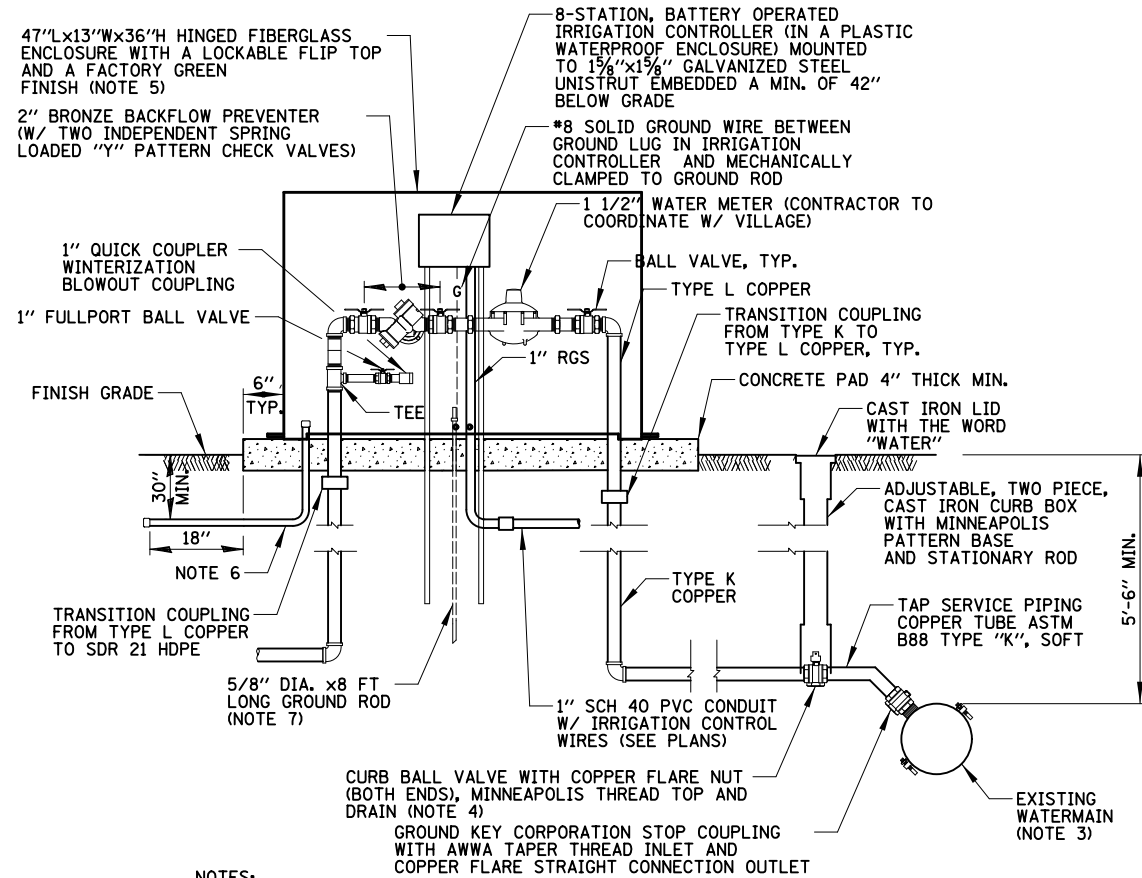
USER NAME	SEE HALLORAN & YAUCH TITLE BLOCK	DESIGNED	SEE HALLORAN & YAUCH TITLE BLOCK	REVISED	-
DRAWN	SEE HALLORAN & YAUCH TITLE BLOCK	CHECKED	SEE HALLORAN & YAUCH TITLE BLOCK	REVISED	-
PLOT SCALE	SEE HALLORAN & YAUCH TITLE BLOCK	DATE	SEE HALLORAN & YAUCH TITLE BLOCK	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
MEDIAN AND PARKWAY IRRIGATION PLAN

SCALE: 1" = 20'-0" SHEET 2 OF 3 SHEETS

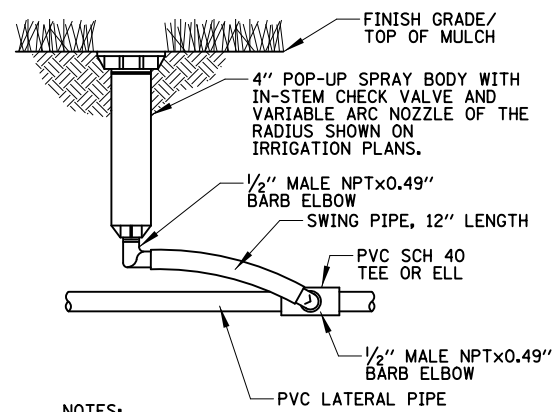
Drawn By: ern	PROJECT:																	
Scale: 1"=20'-0" U.N.O.	IDOT - National Parkway Golf Rd to Woodfield Rd Schaumburg																	
Date: 06.06.2022																		
LEGEND	<table border="1"> <tr> <th>Symbol</th> <th>Rotor Head</th> <th>Pop up Head</th> <th>Shrub Head</th> <th>Electric Valve</th> <th>QCV</th> <th>Auto Drains</th> <th>Manual Drains</th> </tr> <tr> <td>△</td> <td>○</td> <td>○</td> <td>●</td> <td>⊙</td> <td>×</td> <td>⊗</td> <td></td> </tr> </table>	Symbol	Rotor Head	Pop up Head	Shrub Head	Electric Valve	QCV	Auto Drains	Manual Drains	△	○	○	●	⊙	×	⊗		
Symbol	Rotor Head	Pop up Head	Shrub Head	Electric Valve	QCV	Auto Drains	Manual Drains											
△	○	○	●	⊙	×	⊗												
QUANT.	11	218	95	21	7	---	---											
F.A.U. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.														
1103	16-00127-03-PV	COOK	242	132														
				CONTRACT NO. 61J04														
ILLINOIS FED. AID PROJECT																		



NOTES:

- EXACT LOCATION OF WATER SERVICES TO BE COORDINATED WITH ENGINEER.
- WATER SERVICE FITTINGS TO CONFORM TO MUNICIPAL ORDINANCE AND STANDARDS.
- FOR D.I. WATERMAINS, PROVIDE A DIRECT SERVICE CONNECTION. FOR TAPPING PVC AND HDPE WATERMAINS, PROVIDE A SERVICE SADDLE WITH DOUBLE STAINLESS STEEL STRAPS.
- CURB STOP/CURB VALVE SHALL BE PROVIDED WITH DRAIN TO DRAIN WATER SERVICE LINE DURING WINTER MONTHS.
- ENCLOSURE DIMENSIONS SHOWN ARE APPROXIMATE. ENCLOSURE SHALL BE AS COMPACT AS POSSIBLE. CONTRACTOR TO COORDINATE.
- CONTRACTOR SHALL FURNISH AND INSTALL AN EMPTY 1" SCH 40 PVC CONDUIT AND 90° ELBOW WITH 36" RADIUS. CONDUIT SHALL EXTEND 3" ABOVE CONCRETE PAD SURFACE AND SHALL BE CAPPED AT BOTH ENDS.
- IRRIGATION CONTROLLERS SHALL BE GROUNDED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS, MEETING MAXIMUM GROUND RESISTANCE REQUIREMENTS.

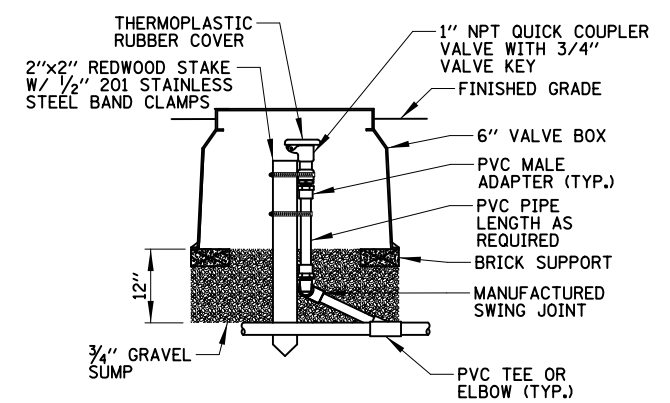
IRRIGATION SERVICE DETAIL
N.T.S.



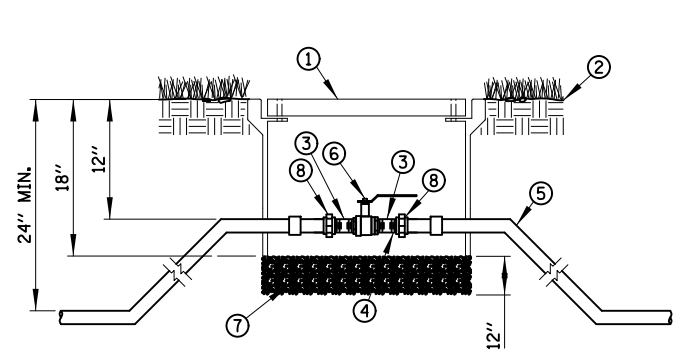
NOTES:

- INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

POP-UP SPRAY HEAD
N.T.S.

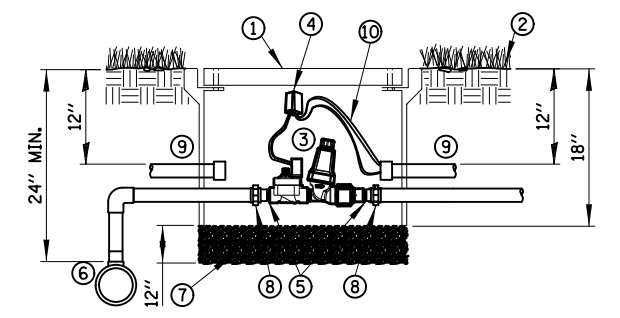


QUICK COUPLING VALVE DETAIL
N.T.S.



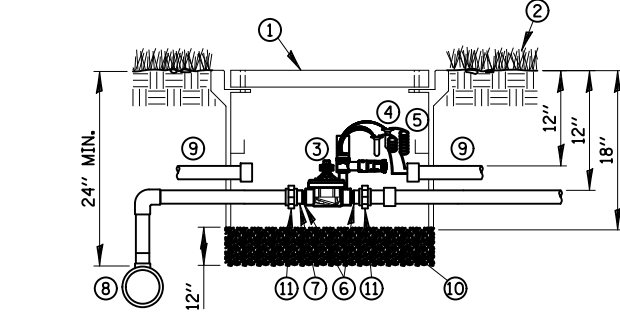
- 11"x18"x18"D COMPOSITE CONCRETE HANDHOLE WITH TIER 8 RATING AND A BOLTED GASKETED LID AND "IRRIGATION" LOGO.
- FINISH GRADE
- SCH 80 T.O.E. NIPPLE
- SCH 80 NIPPLE
- MAIN LINE PIPE & FITTINGS
- FULL PORT BALL VALVE FOR 3" AND SMALLER, RESILIENT WEDGE GATE VALVE FOR 4" AND LARGER
- 3/4" MINUS WASHED GRAVEL
- PVC SLIP UNIONS

MANUAL ISOLATION VALVE DETAIL
N.T.S.



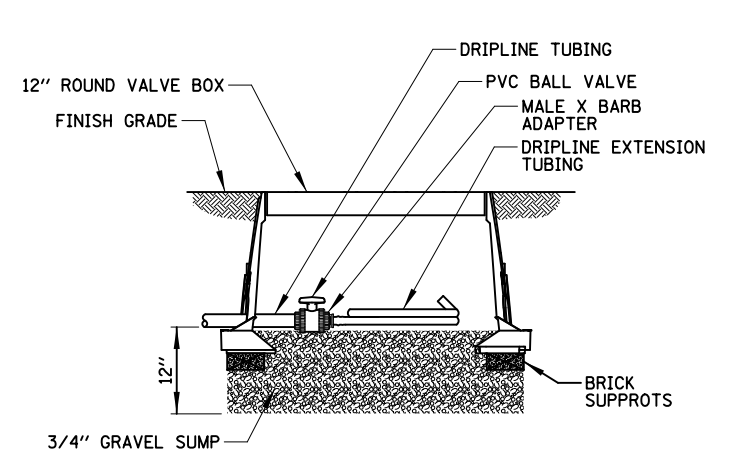
- 11"x18"x18"D COMPOSITE CONCRETE HANDHOLE WITH A TIER 8 RATING AND A BOLTED/GASKETED LID WITH AN "IRRIGATION" LOGO.
- FINISH GRADE
- DRIP ZONE KIT WITH COMMERCIAL TYPE, DC LATCHING SOLENOID, GLOBE CONTROL VALVE, FILTER, SS SCREEN AND PRESSURE REGULATOR
- WATERPROOF SPLICE KIT
- SCH 80 T.O.E. NIPPLE
- MAIN LINE PIPE & FITTINGS
- 3/4" MINUS WASHED GRAVEL
- PVC SLIP UNIONS
- 1" CONDUIT FOR CONTROL WIRES
- 30" LENGTH OF IRRIGATION CONTROL WIRE COILED IN HANDHOLE

DRIP ZONE CONTROL VALVE
N.T.S.

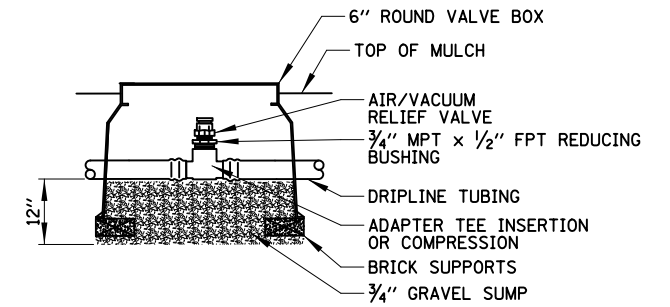


- 11"x18"x18"D COMPOSITE CONCRETE HANDHOLE WITH TIER 8 RATING, BOLTED/GASKETED LID AND "IRRIGATION" LOGO.
- FINISH GRADE
- REMOTE CONTROL VALVE, GLOBE TYPE, WITH DC LATCHING SOLENOID PRESSURE REGULATOR AND FILTER
- WATERPROOF SPLICE KIT
- 30" LENGTH OF IRRIGATION CONTROL WIRE COILED IN HANDHOLE
- SCH 80 T.O.E. NIPPLE
- SCH 80 NIPPLE
- MAIN LINE PIPE & FITTINGS
- 1" CONDUIT FOR CONTROL WIRES
- 3/4" MINUS WASHED GRAVEL
- PVC SLIP UNIONS

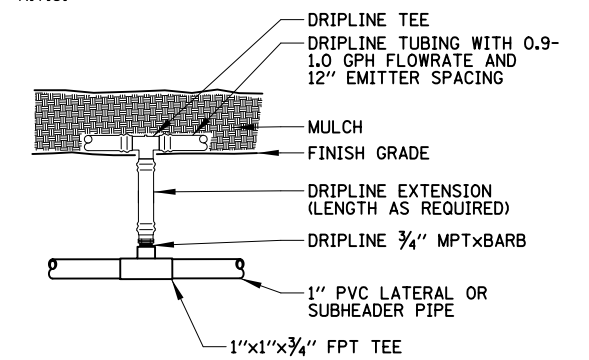
AUTOMATIC CONTROL VALVE DETAIL
N.T.S.



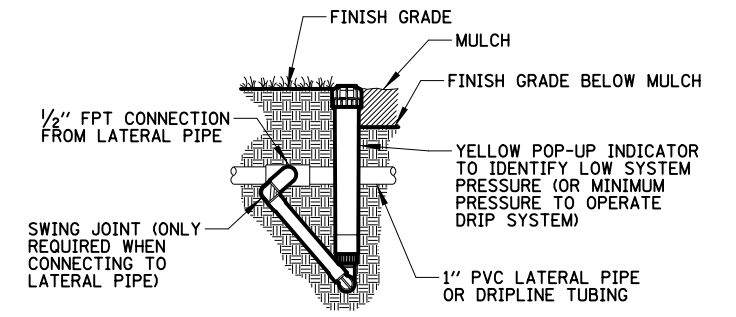
FLUSH VALVE
N.T.S.



AIR/VACUUM RELIEF VALVE
N.T.S.



DRIPLINE CONNECTION ABOVE GRADE
N.T.S.



OPERATION INDICATOR
N.T.S.

MODEL NAME: 16-00127-03-PV
FILE NAME: 16-00127-03-PV-Details.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
MEDIAN AND PARKWAY IRRIGATION PLANS

SHEET 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	133
				CONTRACT NO. 61J04
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

MODEL: Default
FILE: NAME: Project\110848\BID\NTEG\Illinois.gov\PWIDOT\Documents\DOT_Offices\DHfrct_1\Projects\DH15422\31ACAD\DWG\CADsheet105.dwg

USER NAME	DESIGNED - IP	REVISED -
DRAWN - IP	REVISED -	
PLOT SCALE = 50,0000' / in.	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**

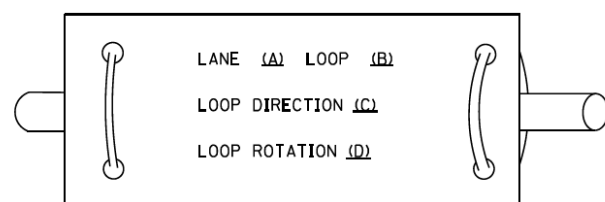
SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	134
TS-05		CONTRACT NO. 61J04		
ILLINOIS FED AID PROJECT				

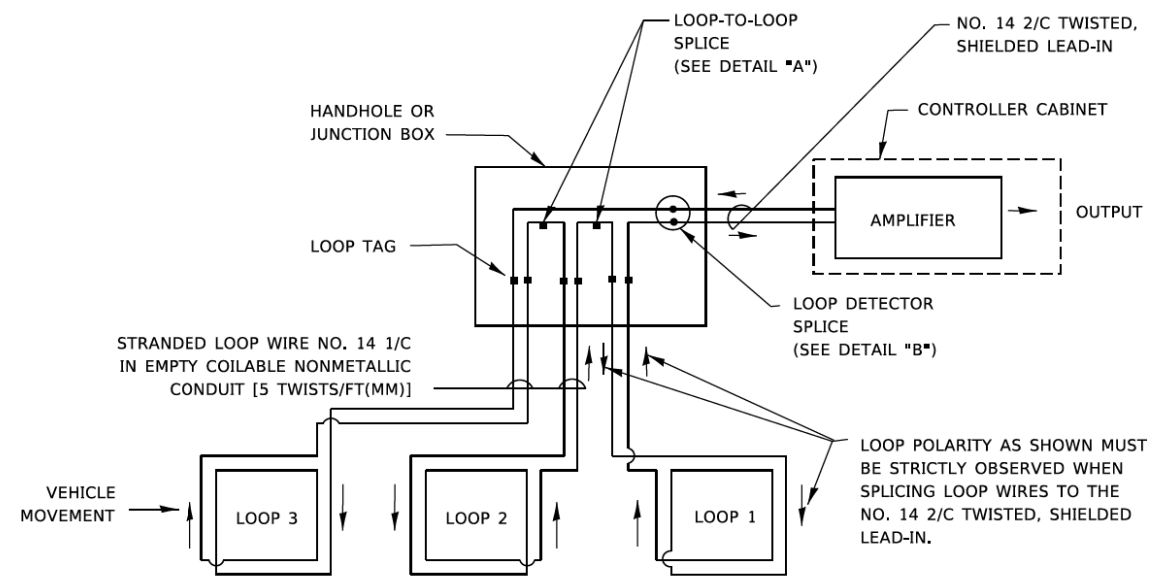
LOOP DETECTOR NOTES

- 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.
- 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES 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.
- 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.
- 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

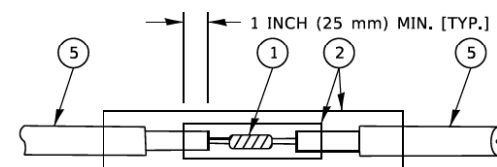


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

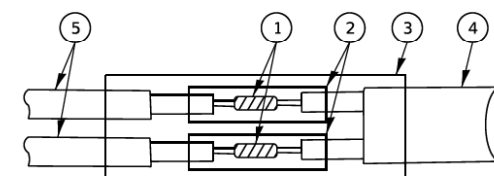


DETECTOR LOOP WIRING SCHEMATIC

- 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.

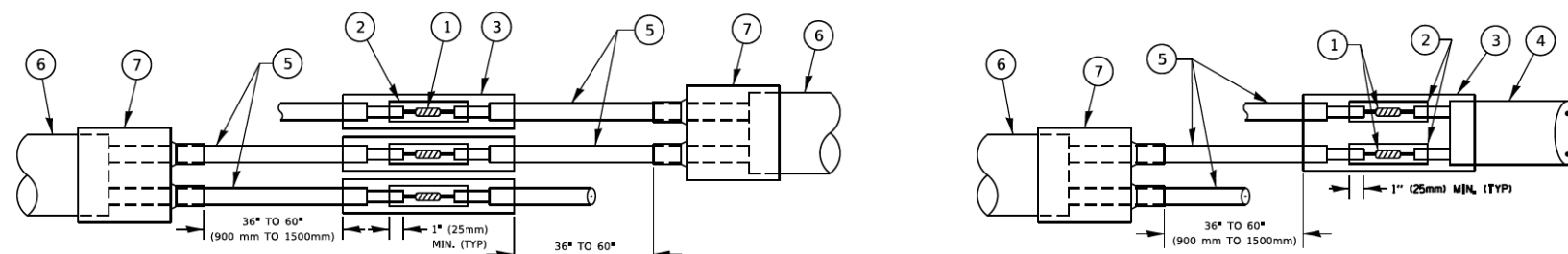


DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PREFORMED LOOP

DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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: Projects\WIDOT\Documents\DDOT OFF\esid\herfct_1\projects\DHHS\22323\CAD\DDA\1\CAD\Sheet\ts05.dgn

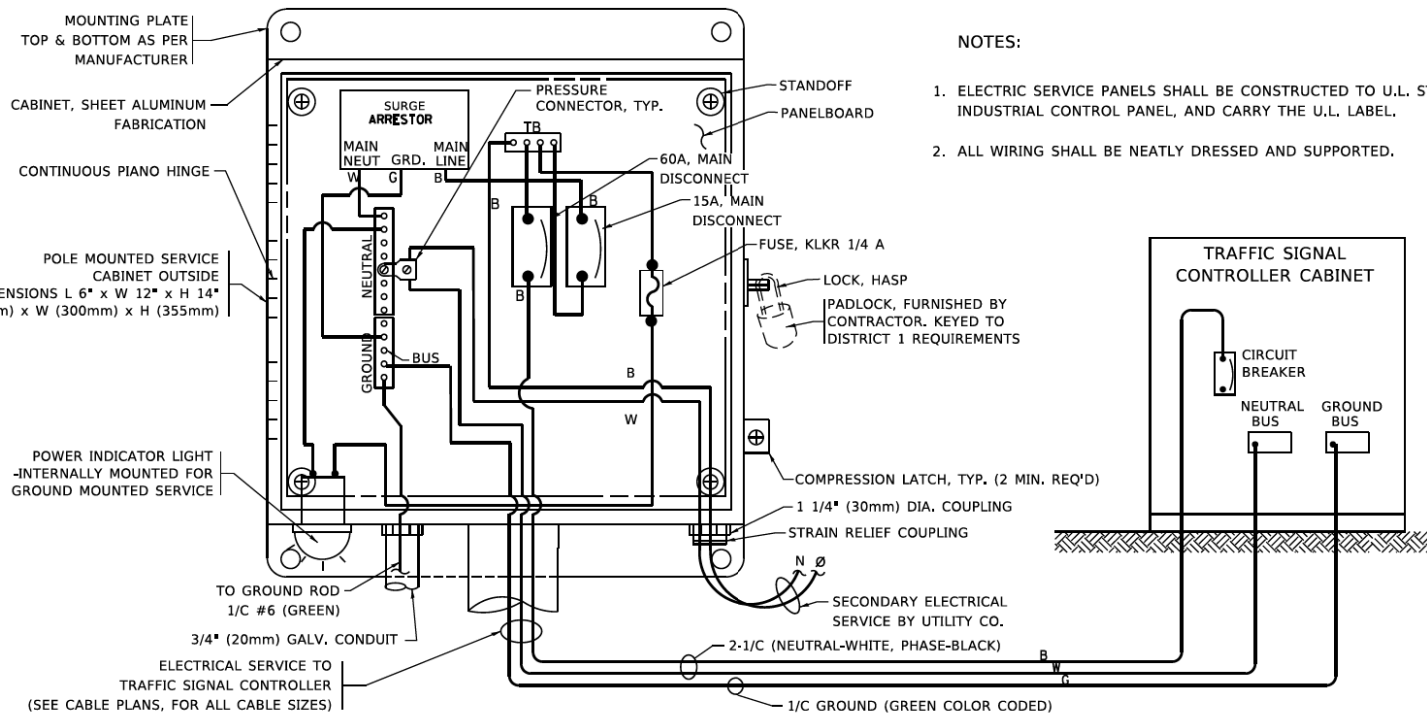
USER NAME = footem	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

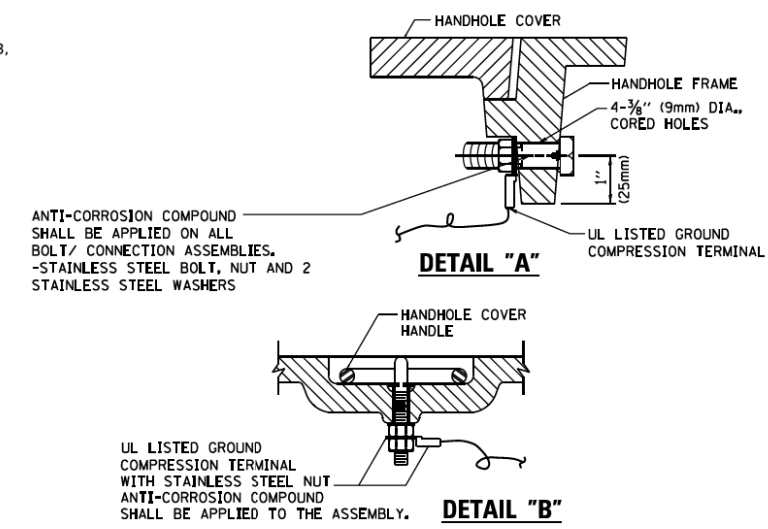
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

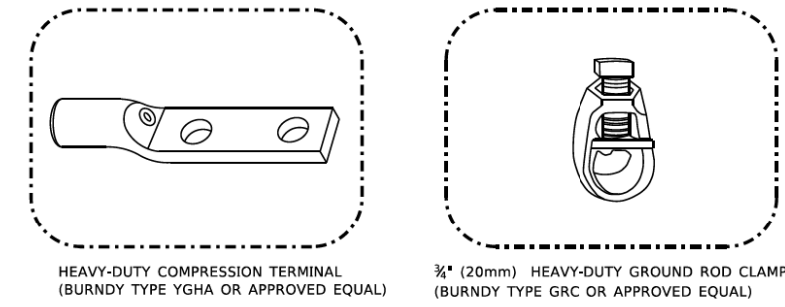
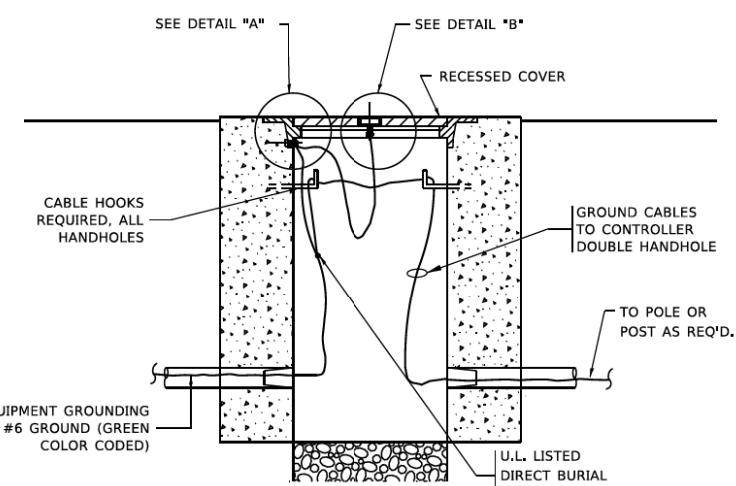
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	135
TS-05			CONTRACT NO. 61J04	
ILLINOIS		FED AID PROJECT		



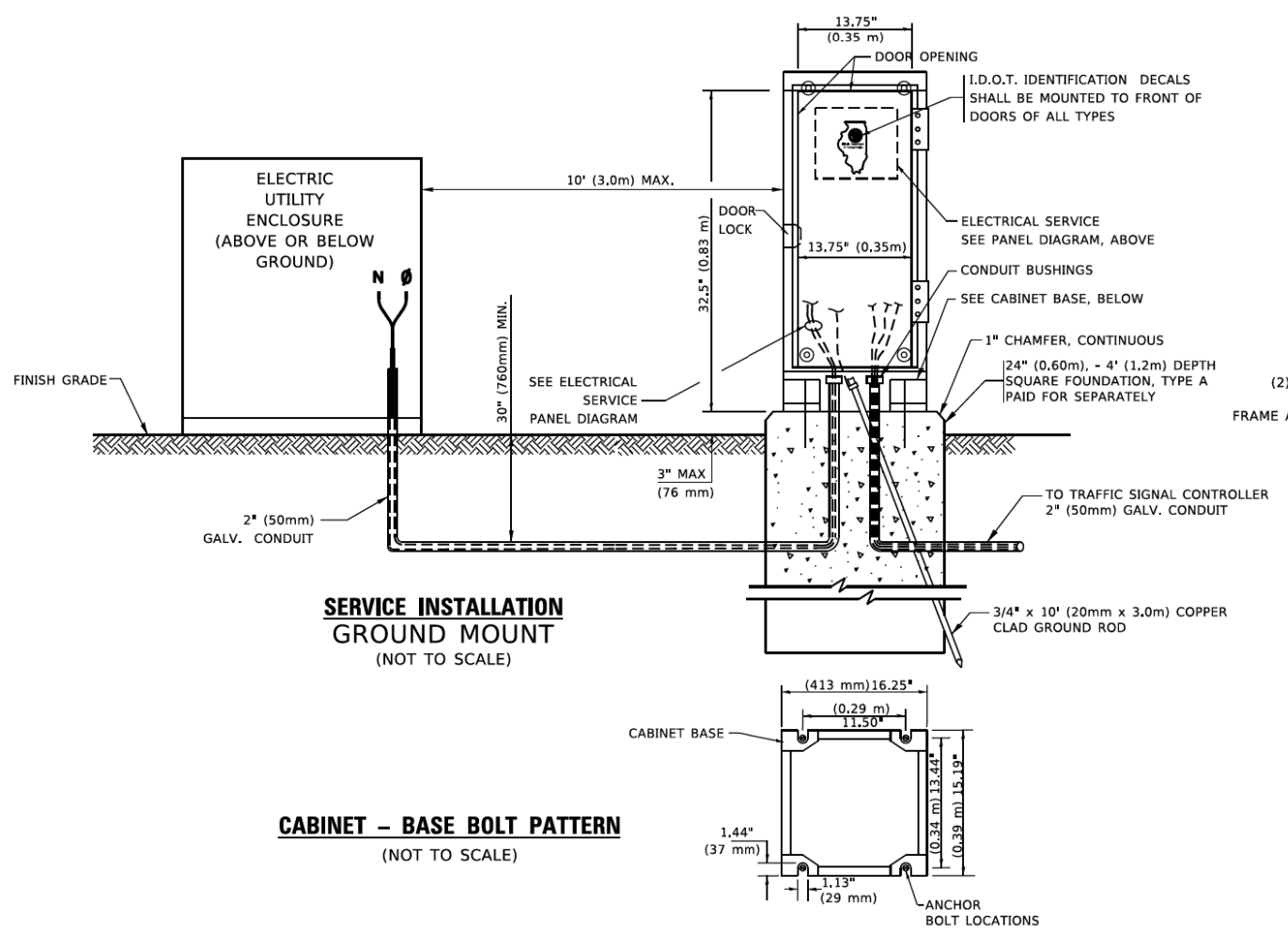
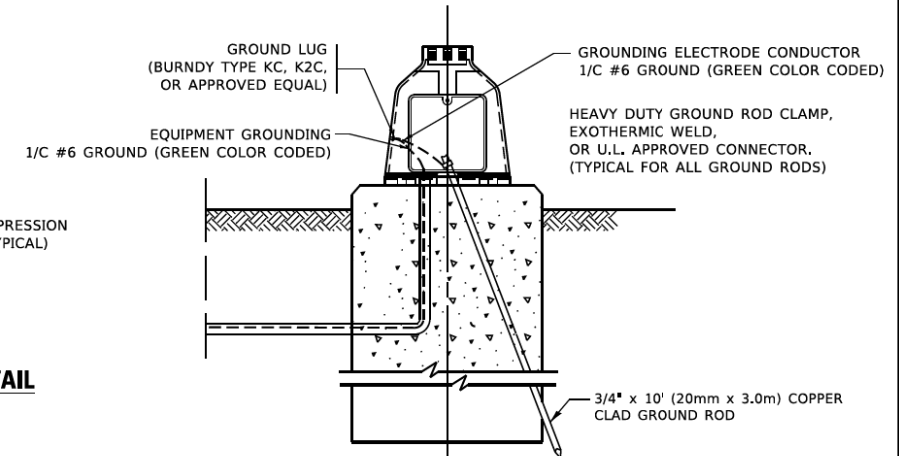
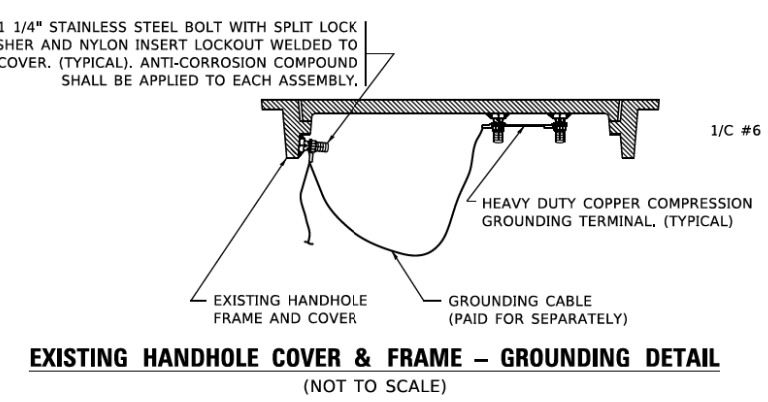
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



- NOTES:**
- GROUNDING SYSTEM**
- 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.
 - 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.
 - ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 - 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.



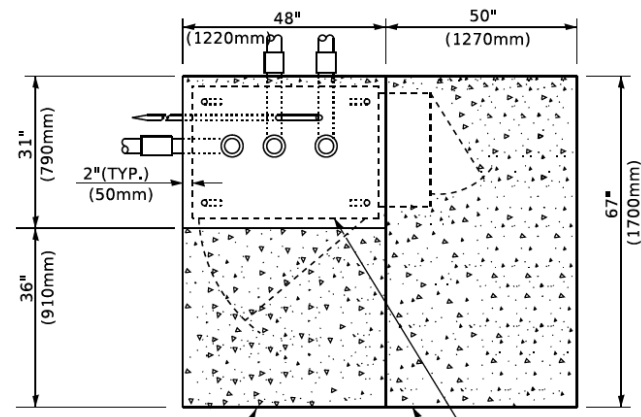
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

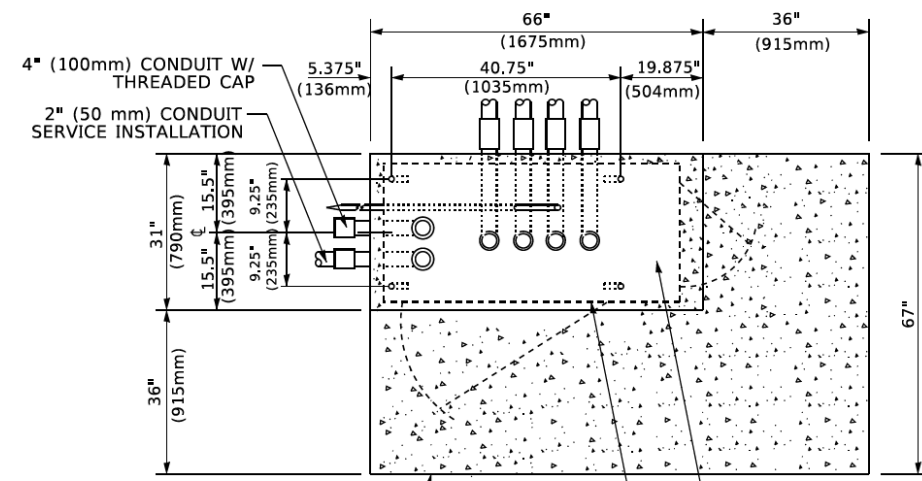
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	137
TS-05		CONTRACT NO. 61J04		
ILLINOIS		FED AID PROJECT		

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

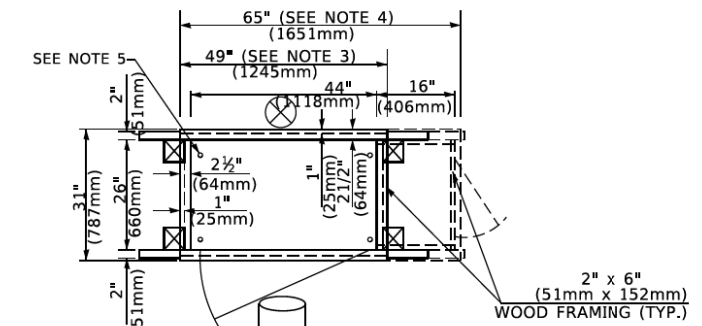
MODEL: Default
 FILE: NAME: Project\WIDOT\Documents\DOT Office\District 1\Projects\SHS\223231\CAD\Drawings\CADsheet\ts05.dgn



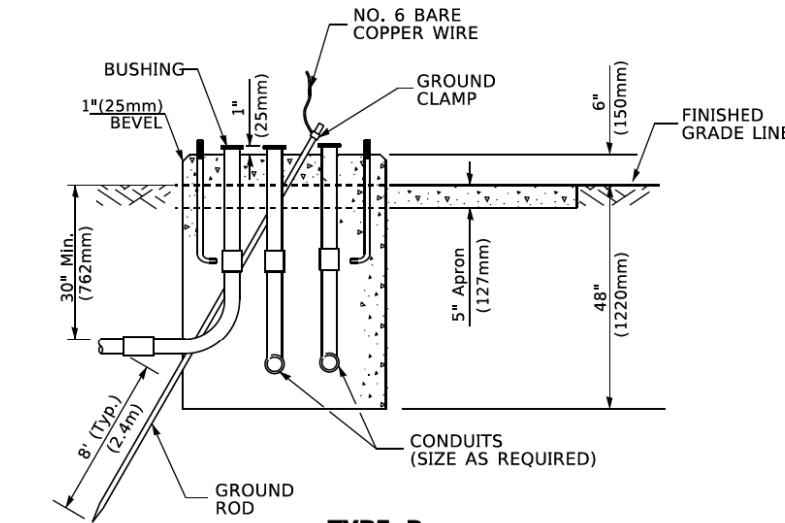
TOP VIEW



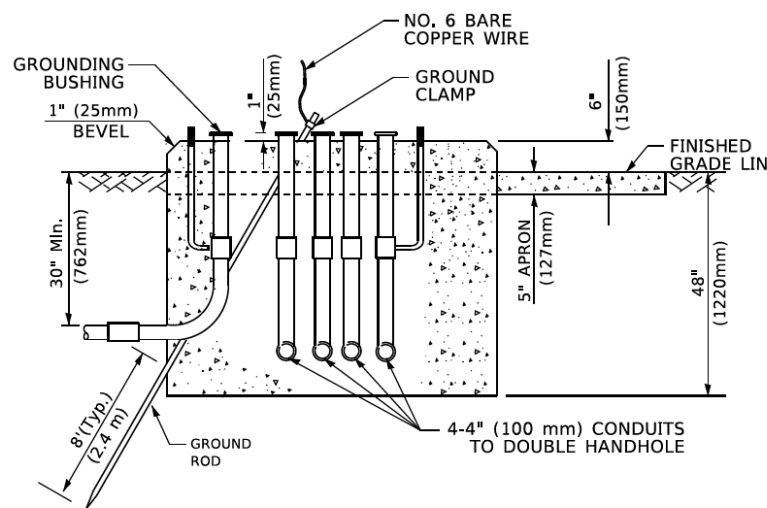
TOP VIEW



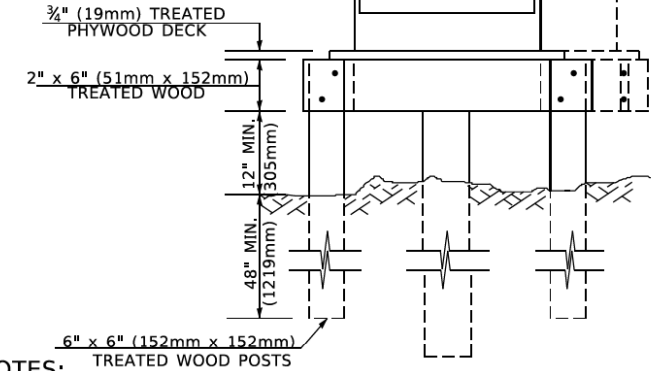
**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**



**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	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)	24" (600mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

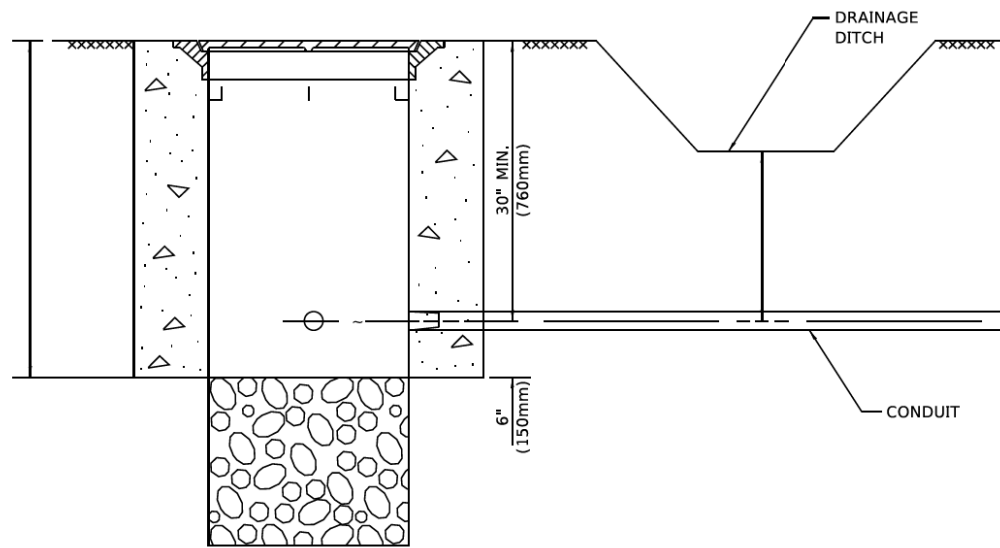
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer 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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

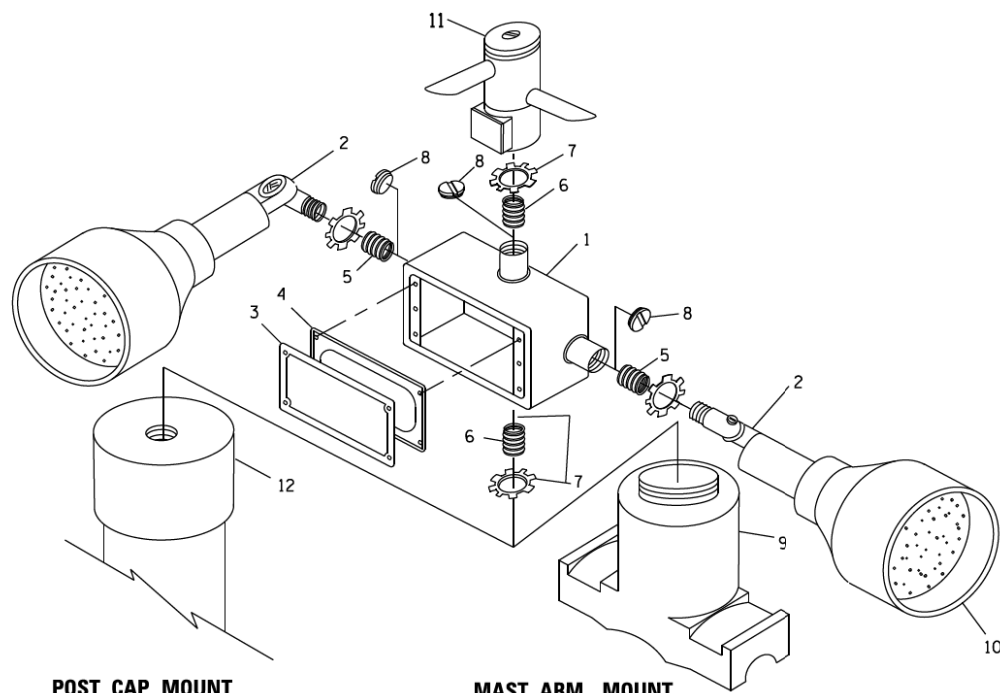
SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA. ILLINOIS FED AID PROJECT



NOTES:

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

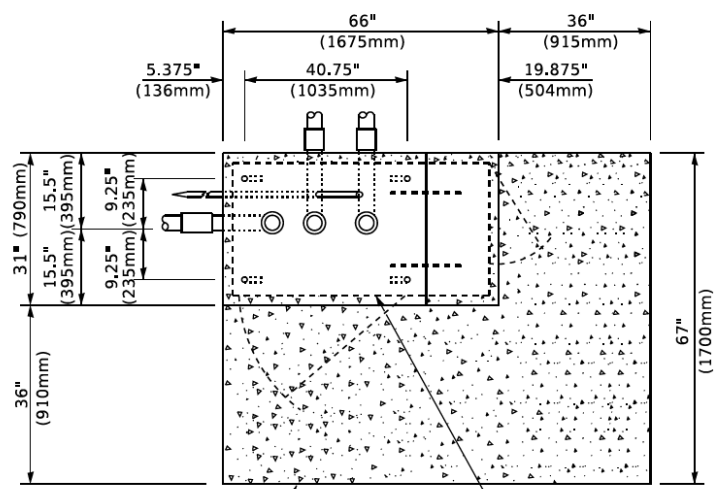
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



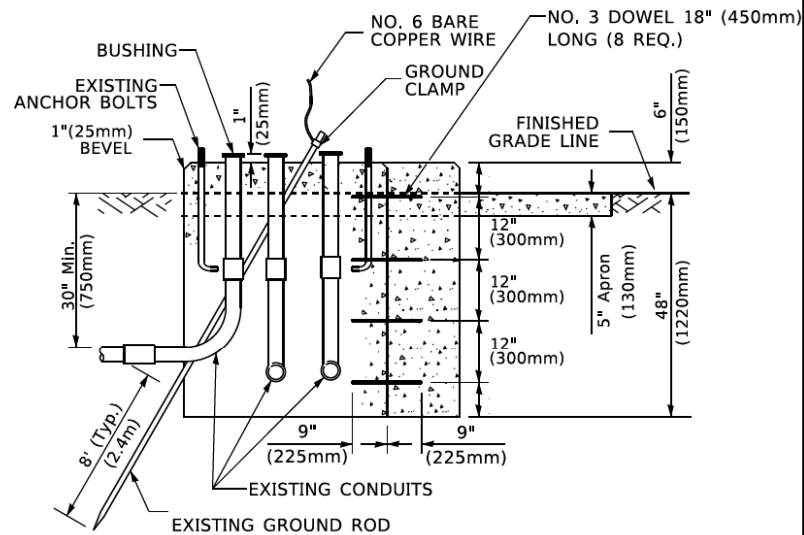
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

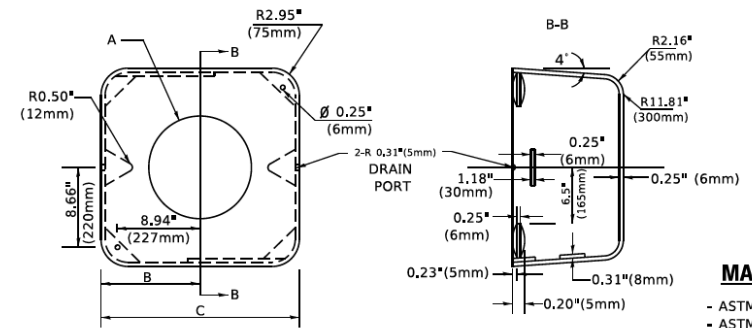


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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)

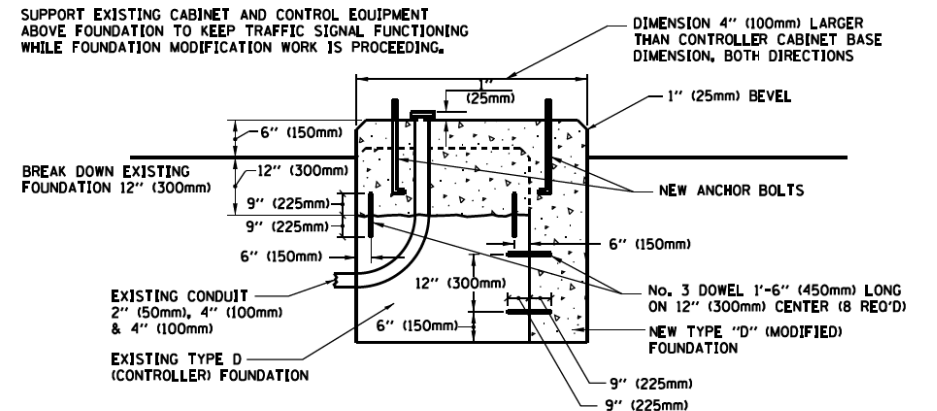
SHROUD

NOTES:

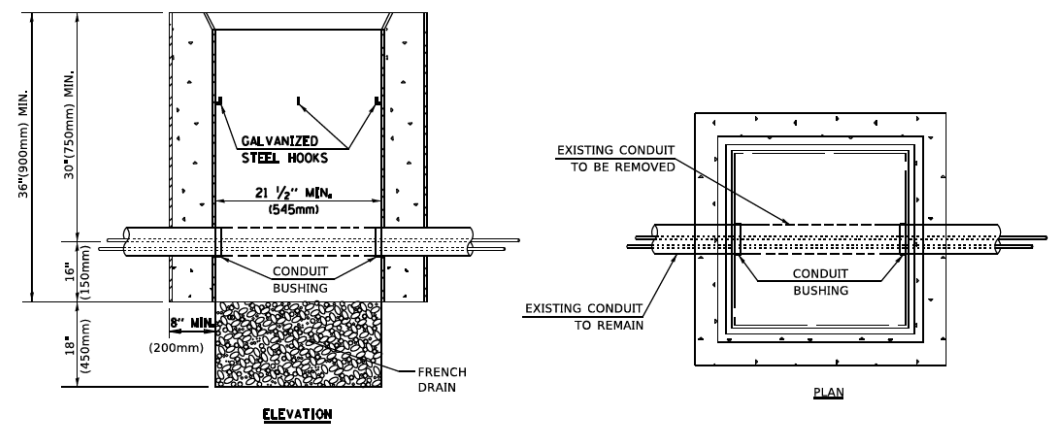
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

MODEL: Default
FILE NAME: Proj\ILL048E\BID\ITEC\Illinois.gov\PWIDOT\Documents\BIDD\Office\BID\Drawings\22-23\ACAD\Drawings\CAD\Sheet\1505.dgn

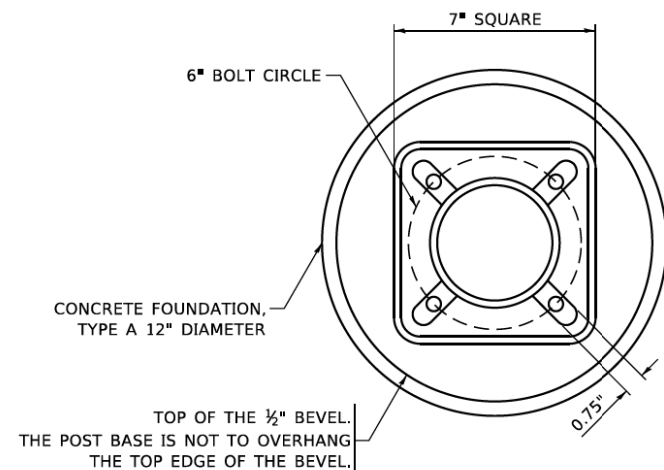
USER NAME	DESIGNED	REVISED
footem	-	-
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

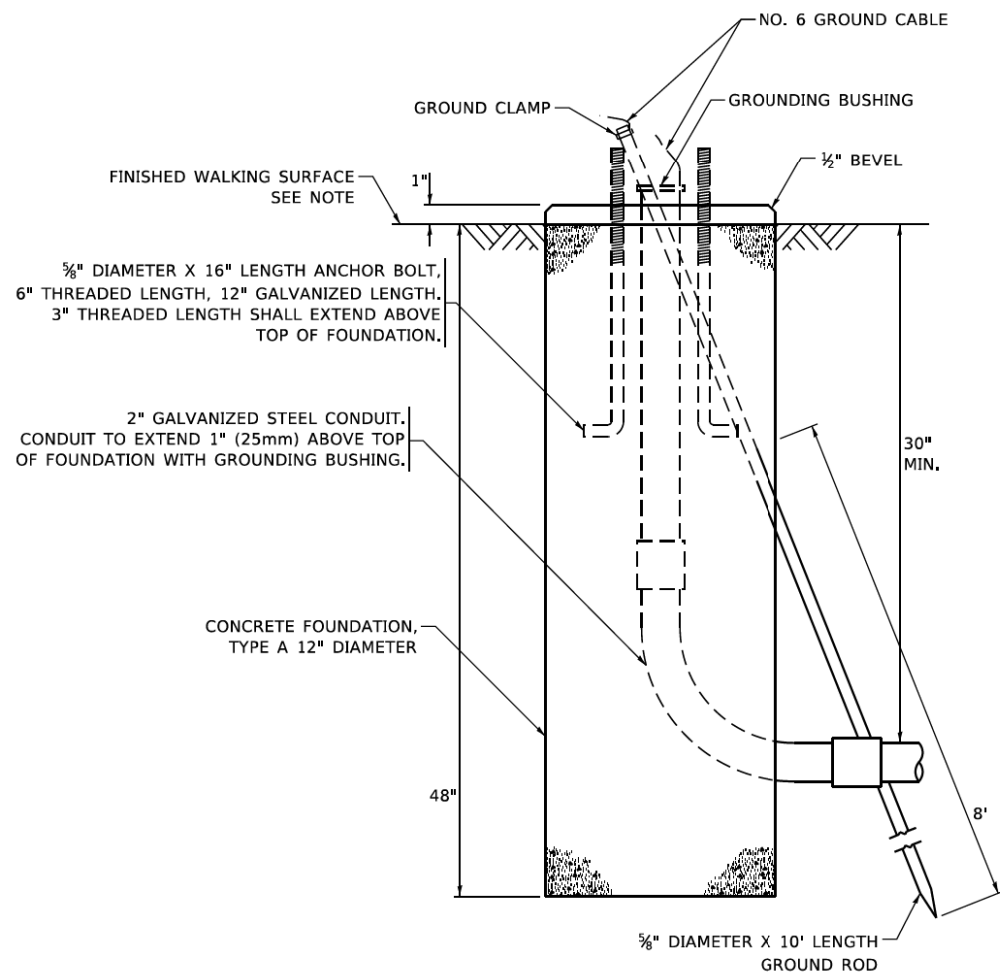
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	139
TS-05		CONTRACT NO. 61J04		
ILLINOIS FED AID PROJECT				



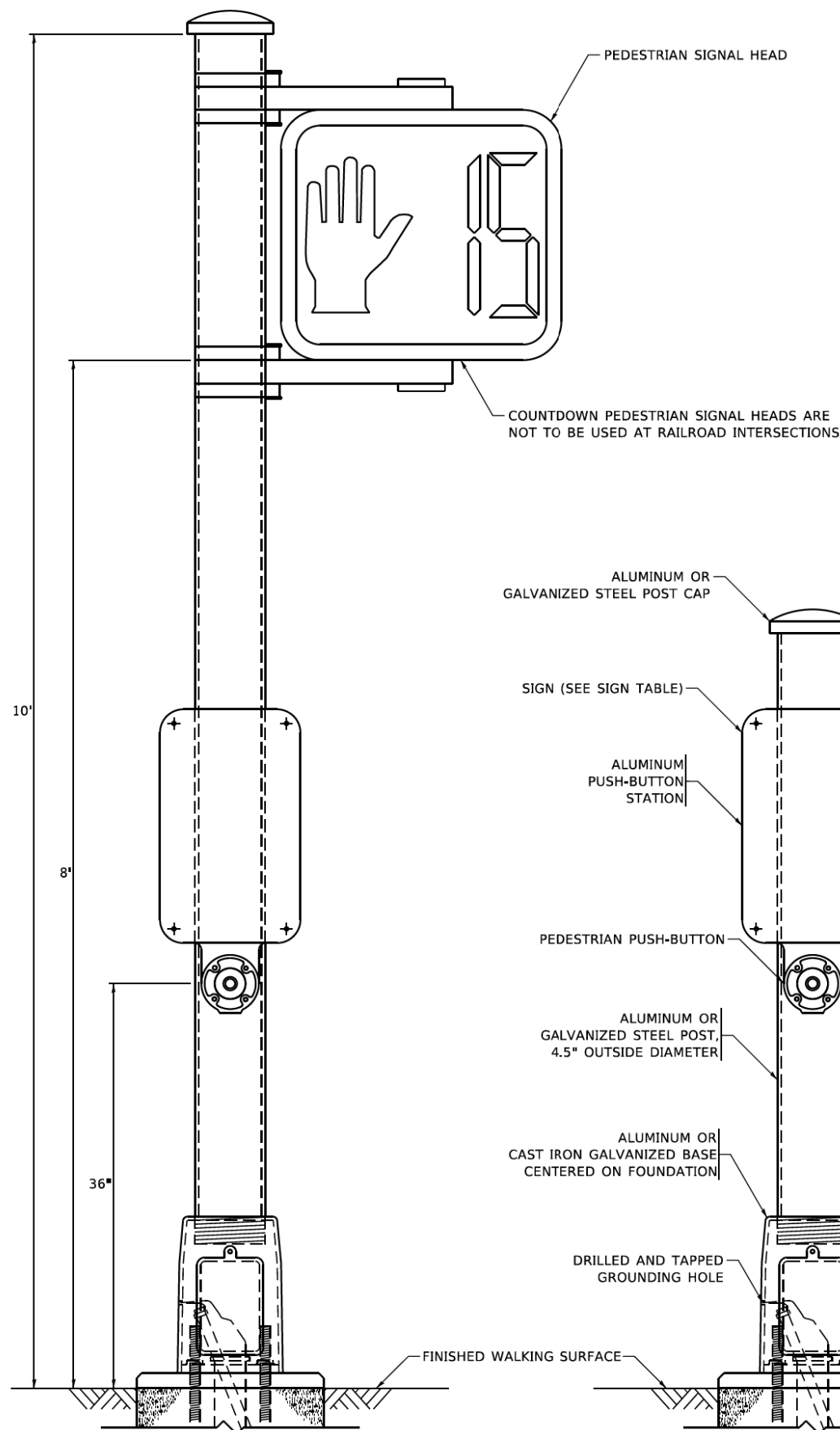
BOLT PATTERN

NOTE:

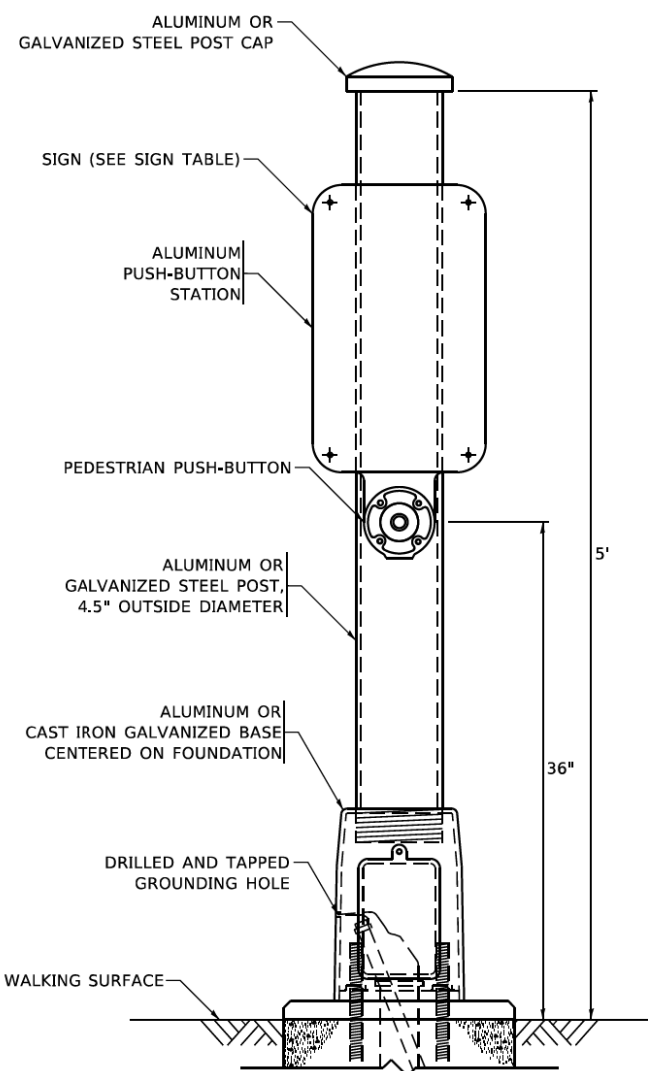
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



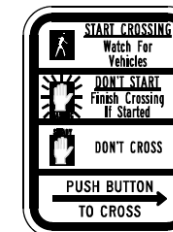
**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



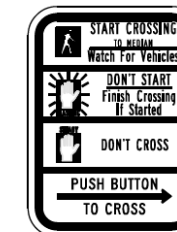
PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

NOTES:

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

MODEL: Default
 FILE: \\pds\pub\harcam\dat\illinois\pds\pvd\DOT\Documents\DOT_Offices\Baird\1\Projects\18454827-2\1\CAD\Drawn\CAD\Sheet\1805.dgn

USER NAME = qaqlanobt	DESIGNED - IP	REVISED - 10-15-2020
PLOT SCALE = 100.0000' / in.	DRAWN - IP	REVISED -
PLOT DATE = 11/23/2020	CHECKED - LP	REVISED -
	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.
1103	16-00127-03-PV	COOK	242	140
TS-05		CONTRACT NO. 61J04		
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

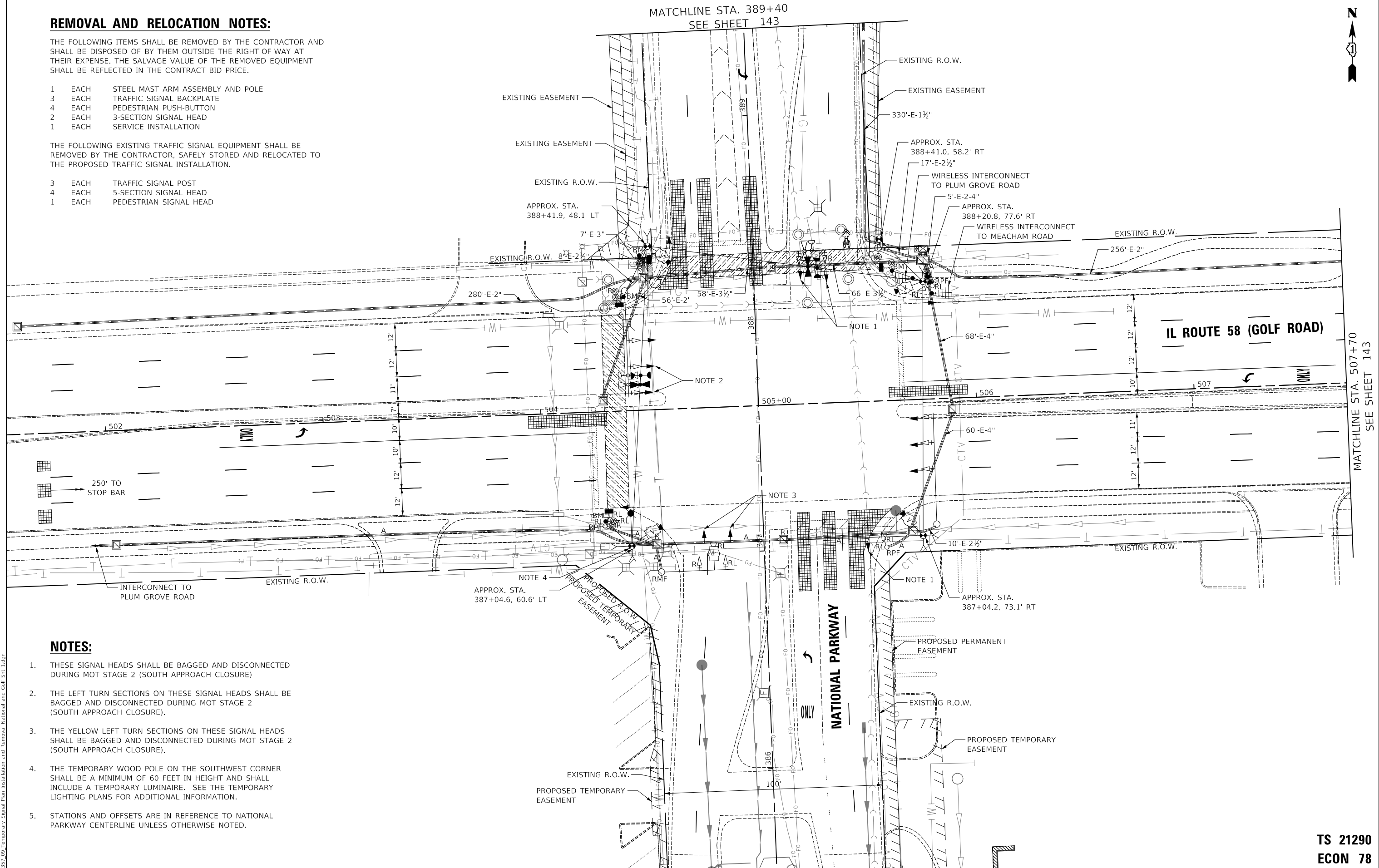
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH 3-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL INSTALLATION.

- 3 EACH TRAFFIC SIGNAL POST
- 4 EACH 5-SECTION SIGNAL HEAD
- 1 EACH PEDESTRIAN SIGNAL HEAD

MATCHLINE STA. 389+40
SEE SHEET 143



NOTES:

1. THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING MOT STAGE 2 (SOUTH APPROACH CLOSURE)
2. THE LEFT TURN SECTIONS ON THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING MOT STAGE 2 (SOUTH APPROACH CLOSURE).
3. THE YELLOW LEFT TURN SECTIONS ON THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING MOT STAGE 2 (SOUTH APPROACH CLOSURE).
4. THE TEMPORARY WOOD POLE ON THE SOUTHWEST CORNER SHALL BE A MINIMUM OF 60 FEET IN HEIGHT AND SHALL INCLUDE A TEMPORARY LUMINAIRE. SEE THE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION.
5. STATIONS AND OFFSETS ARE IN REFERENCE TO NATIONAL PARKWAY CENTERLINE UNLESS OTHERWISE NOTED.

**TS 21290
ECON 78**

MODEL: SMOBELNAME; FILE NAME: 16-00127-03-Temporary Signal Plan Installation and Removal National and Golf St. 1.dgn

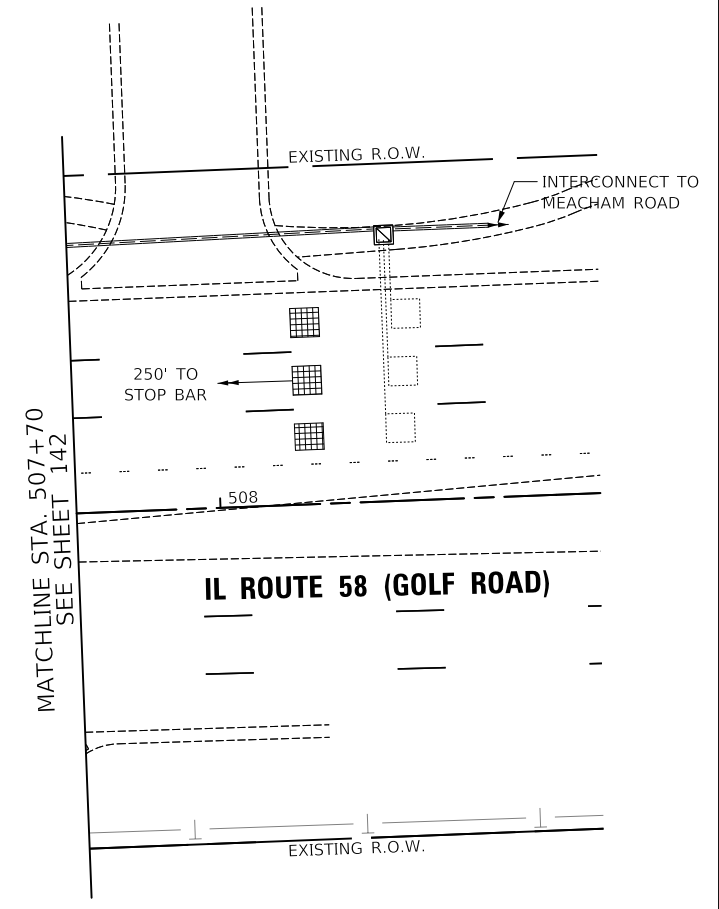
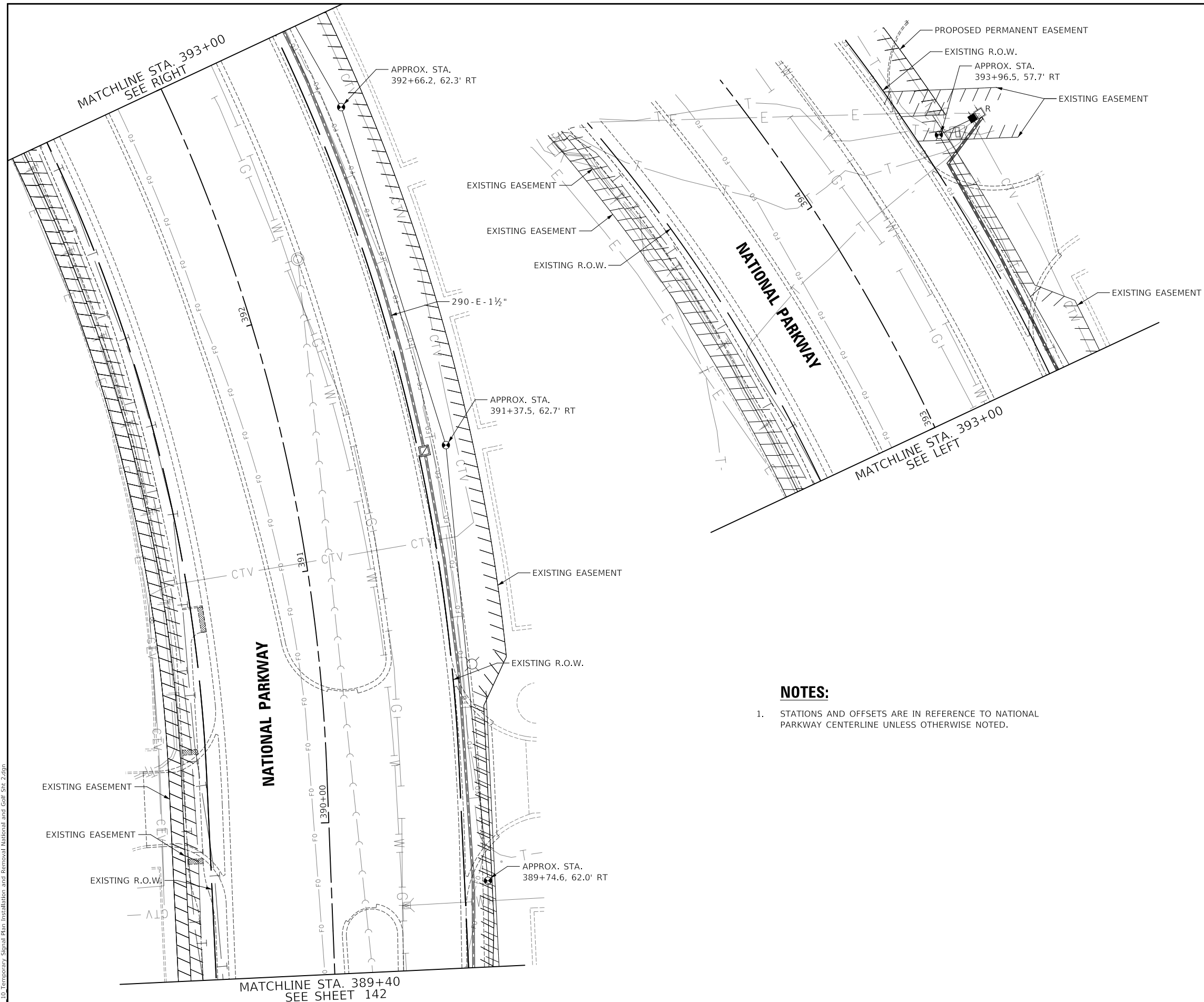
USER NAME = djk	DESIGNED - LEP	REVISED -
DRAWN - LEP	REVISIONS -	
PLOT SCALE = 40,0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
IL ROUTE 58 (GOLF ROAD) AND NATIONAL PARKWAY**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	142
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO NATIONAL PARKWAY CENTERLINE UNLESS OTHERWISE NOTED.

MODEL: \\MODELS\NAME: 16-00127-03-Temporary Signal Plan Installation and Removal National and Golf St 2.dgn
FILE NAME: 16-00127-03-Temporary Signal Plan Installation and Removal National and Golf St 2.dgn

USER NAME = djk	DESIGNED - LEP	REVISED -
DRAWN - LEP	REVISED -	
PLOT SCALE = 40,0000 ' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
IL ROUTE 58 (GOLF ROAD) AND NATIONAL PARKWAY**

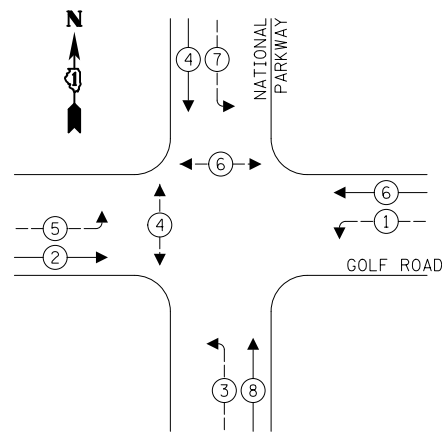
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	143
				CONTRACT NO. 61J04
ILLINOIS FED. AID PROJECT				

**TS 21290
ECON 78**

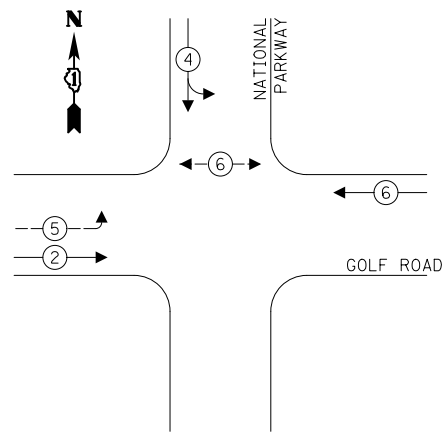
PROPOSED TEMPORARY CONTROLLER SEQUENCE

STAGE 1



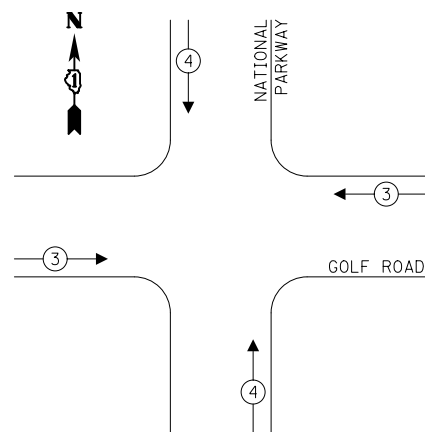
PROPOSED TEMPORARY CONTROLLER SEQUENCE

STAGE 2



PROPOSED AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

ALL STAGES



LEGEND:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				537.6

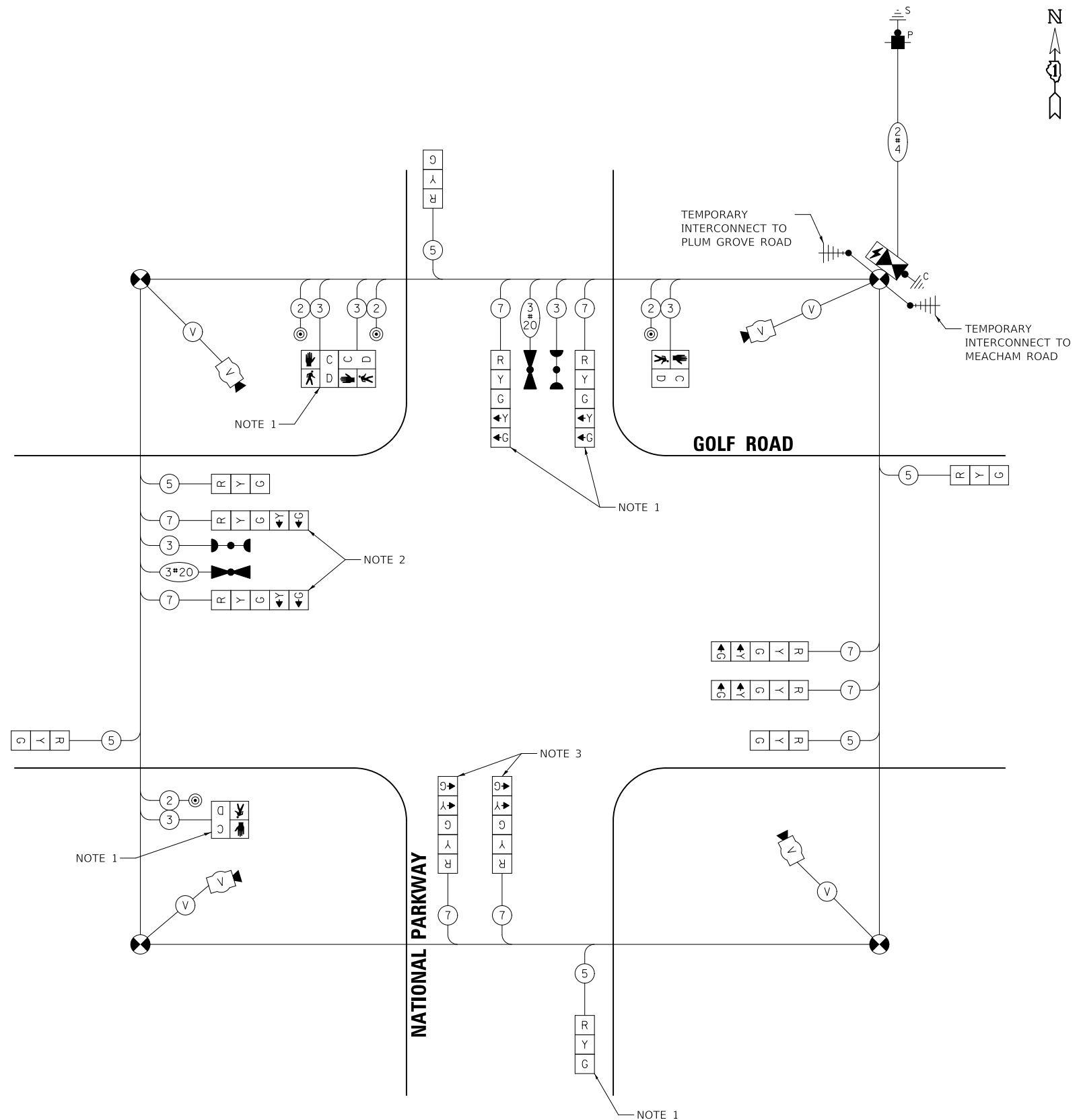
ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMED
ACCOUNT NUMBER: 0245068017

NOTES:

- THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING MOT STAGE 2 (SOUTH APPROACH CLOSURE).
- THE LEFT TURN SECTIONS ON THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING MOT STAGE 2 (SOUTH APPROACH CLOSURE).
- THE YELLOW LEFT TURN SECTIONS ON THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING MOT STAGE 2 (SOUTH APPROACH CLOSURE).



TEMPORARY CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY AND GOLF ROAD
TEMPORARY CABLE PLAN STAGES I & II

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	144
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

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

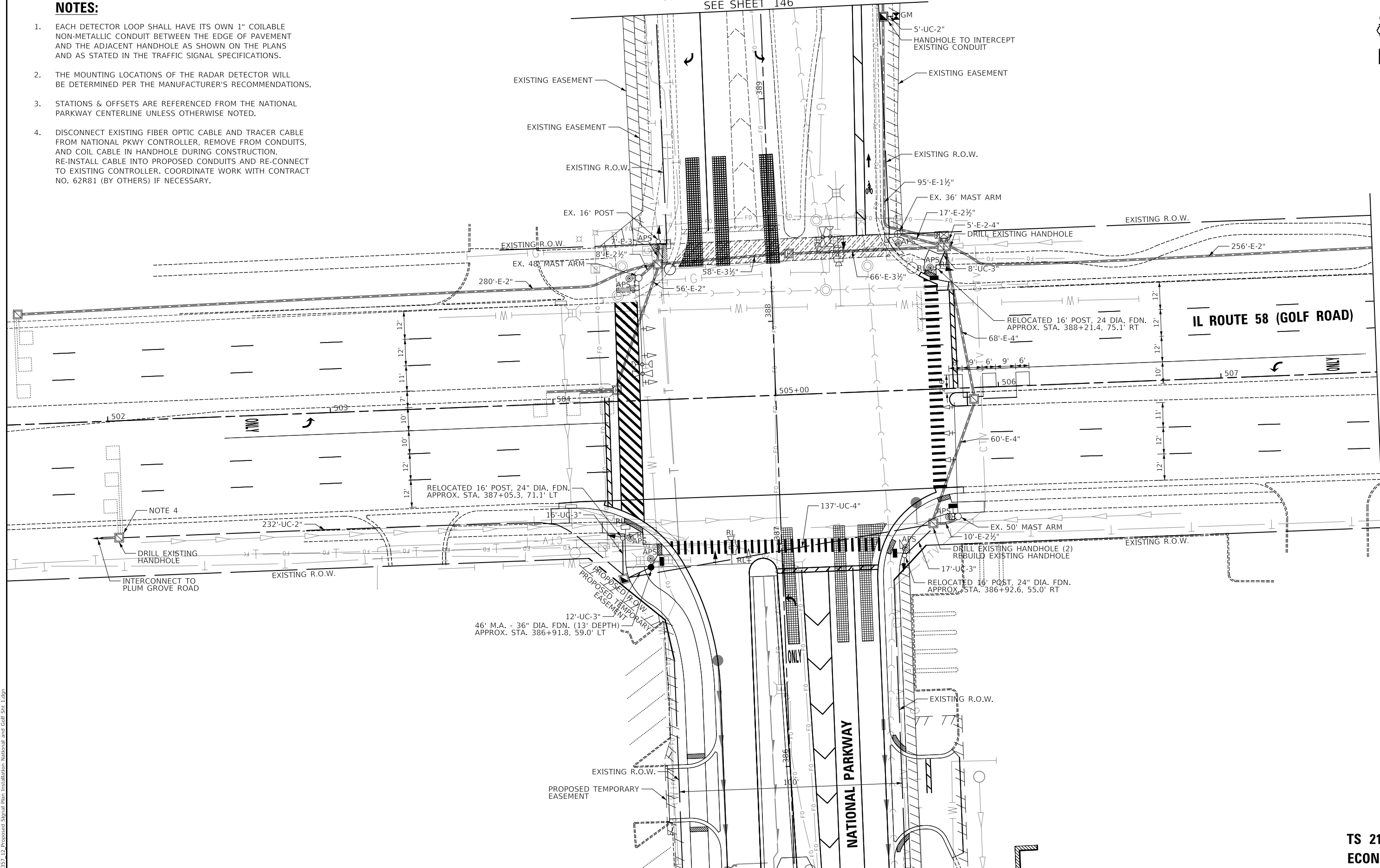
TS 21290
ECON 78

MODEL: 10/06/2015
FILE NAME: 10/31/2022_11_Temporary Cable Plan National and Golf.dgn

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTOR WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. STATIONS & OFFSETS ARE REFERENCED FROM THE NATIONAL PARKWAY CENTERLINE UNLESS OTHERWISE NOTED.
4. DISCONNECT EXISTING FIBER OPTIC CABLE AND TRACER CABLE FROM NATIONAL PKWY CONTROLLER, REMOVE FROM CONDUITS, AND COIL CABLE IN HANDHOLE DURING CONSTRUCTION, RE-INSTALL CABLE INTO PROPOSED CONDUITS AND RE-CONNECT TO EXISTING CONTROLLER. COORDINATE WORK WITH CONTRACT NO. 62R81 (BY OTHERS) IF NECESSARY.

MATCHLINE STA. 389+40
SEE SHEET 146



MATCHLINE STA. 507+70
SEE SHEET 146

MODEL: \\MODELNAME\...
FILE: \\NAME...
PROPOSED Signal Plan Installation, National and Golf Sht. 1.dgn

USER NAME = djk	DESIGNED - LEP	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - LEP	REVISED -
PLOT DATE = 10/31/2022	CHECKED - JJE	REVISED -
	DATE - 8/04/2022	REVISED -

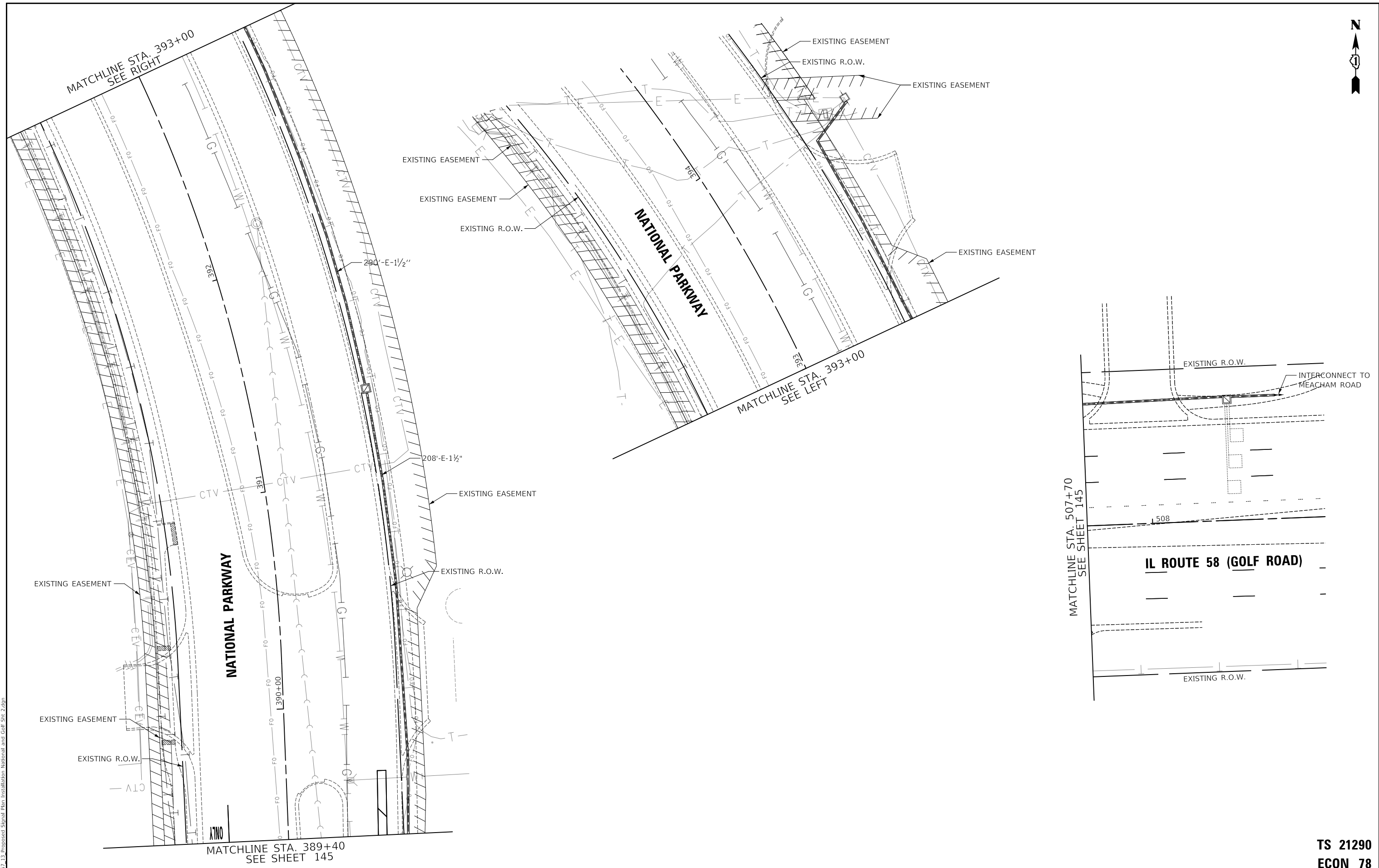
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND NATIONAL PARKWAY**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	145
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

**TS 21290
ECON 78**



MODEL: \\MODELNAME
 FILE NAME: \\32524_13_Proposed Signal Plan Installation, National and Golf Sht. 2.dgn

USER NAME = djk	DESIGNED - LEP	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - LEP	REVISED -
PLOT DATE = 10/31/2022	CHECKED - JJE	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

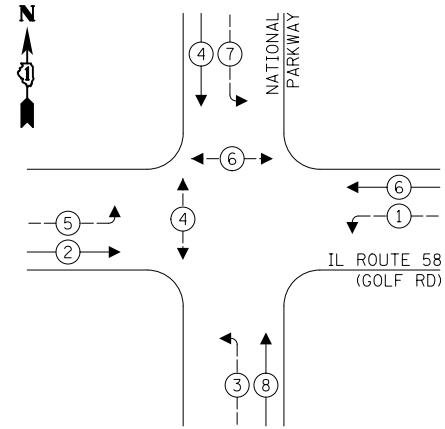
**TRAFFIC SIGNAL MODIFICATION PLAN
 IL ROUTE 58 (GOLF ROAD) AND NATIONAL PARKWAY**

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

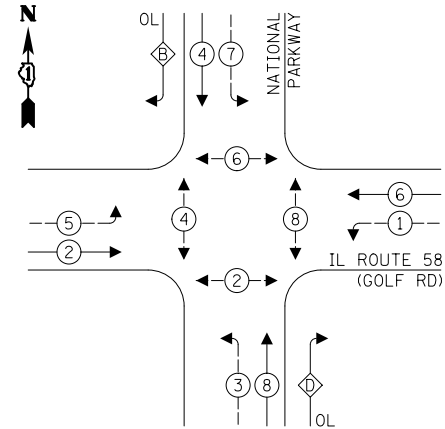
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	146
				CONTRACT NO. 61J04
ILLINOIS FED. AID PROJECT				

**TS 21290
 ECON 78**

EXISTING CONTROLLER SEQUENCE



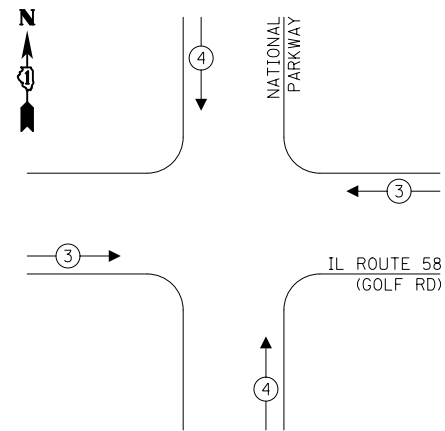
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

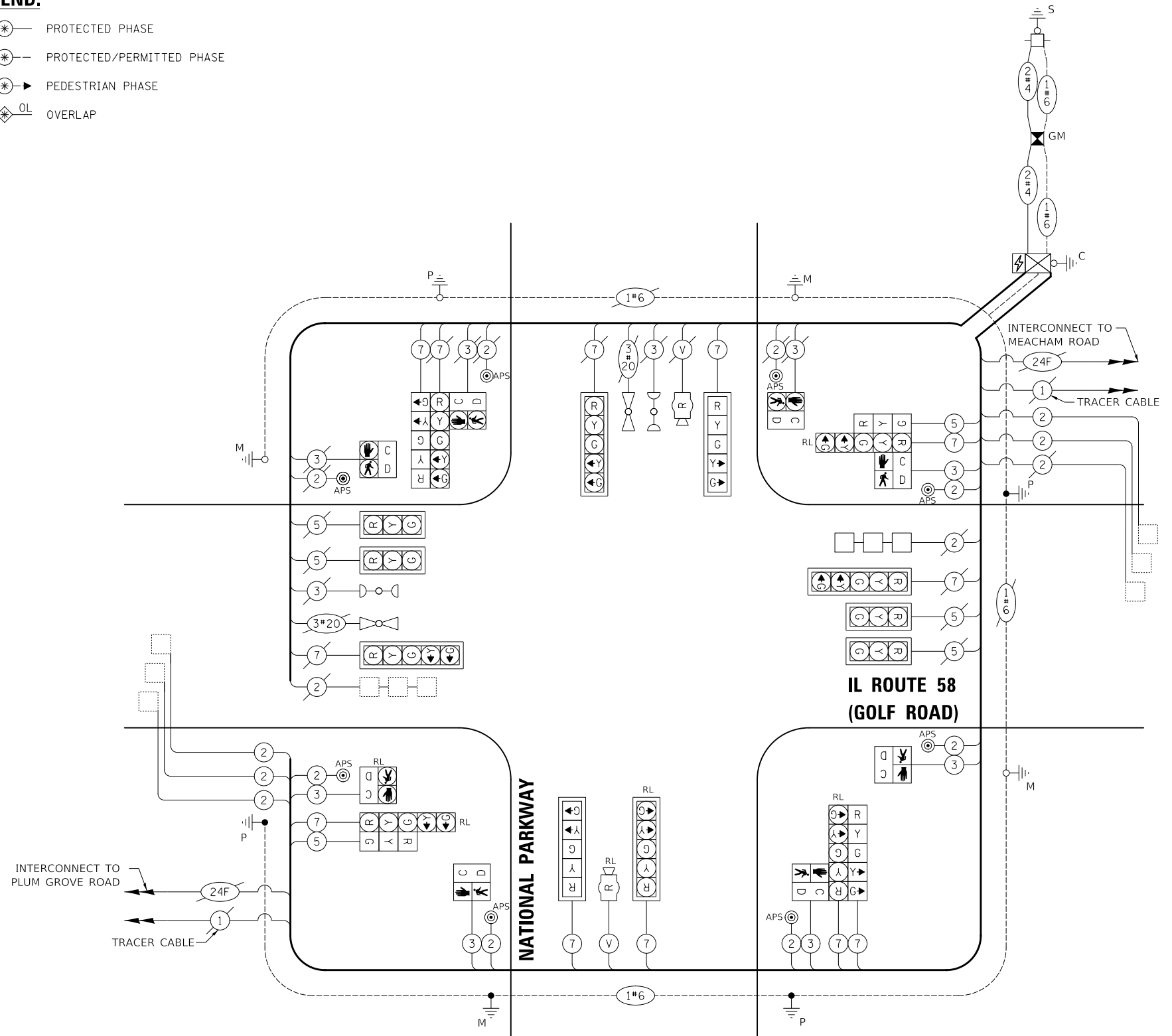
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				523.2

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 17470-91006

INTERCONNECT TO PLUM GROVE ROAD
TRACER CABLE



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND NATIONAL PARKWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	147
CONTRACT NO. 61J04				

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

ILLINOIS FED. AID PROJECT

TS 21290
ECON 78

MODEL: MODELNAME
FILE NAME: 032524_14_Proposed Cable Plan, National and Golf Rd

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
SIGN PANEL - TYPE 2	SQ FT	23
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	237
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	137
HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1082
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1117
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	390
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1824
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2207
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2C	FOOT	677
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	901
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
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	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
DETECTOR LOOP, TYPE I	FOOT	81
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	4
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	3
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2726
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
RELOCATE RADAR DETECTOR SYSTEM	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
* TEMPORARY TRAFFIC SIGNAL TIMING	EACH	7

* "TEMPORARY TRAFFIC SIGNAL TIMING" SHALL BE INCLUDED AT THE INTERSECTIONS OF PLUM GROVE ROAD/AMERICAN LANE, IL ROUTE 58/PLUM GROVE ROAD, IL ROUTE 58/MEACHAM ROAD, MEACHAM ROAD/AMERICAN LANE, MEACHAM ROAD/WOODFIELD ROAD, AND NATIONAL PARKWAY/WOODFIELD ROAD WHILE THE DETOURS ARE IN OPERATION.

STREET NAME SIGNS

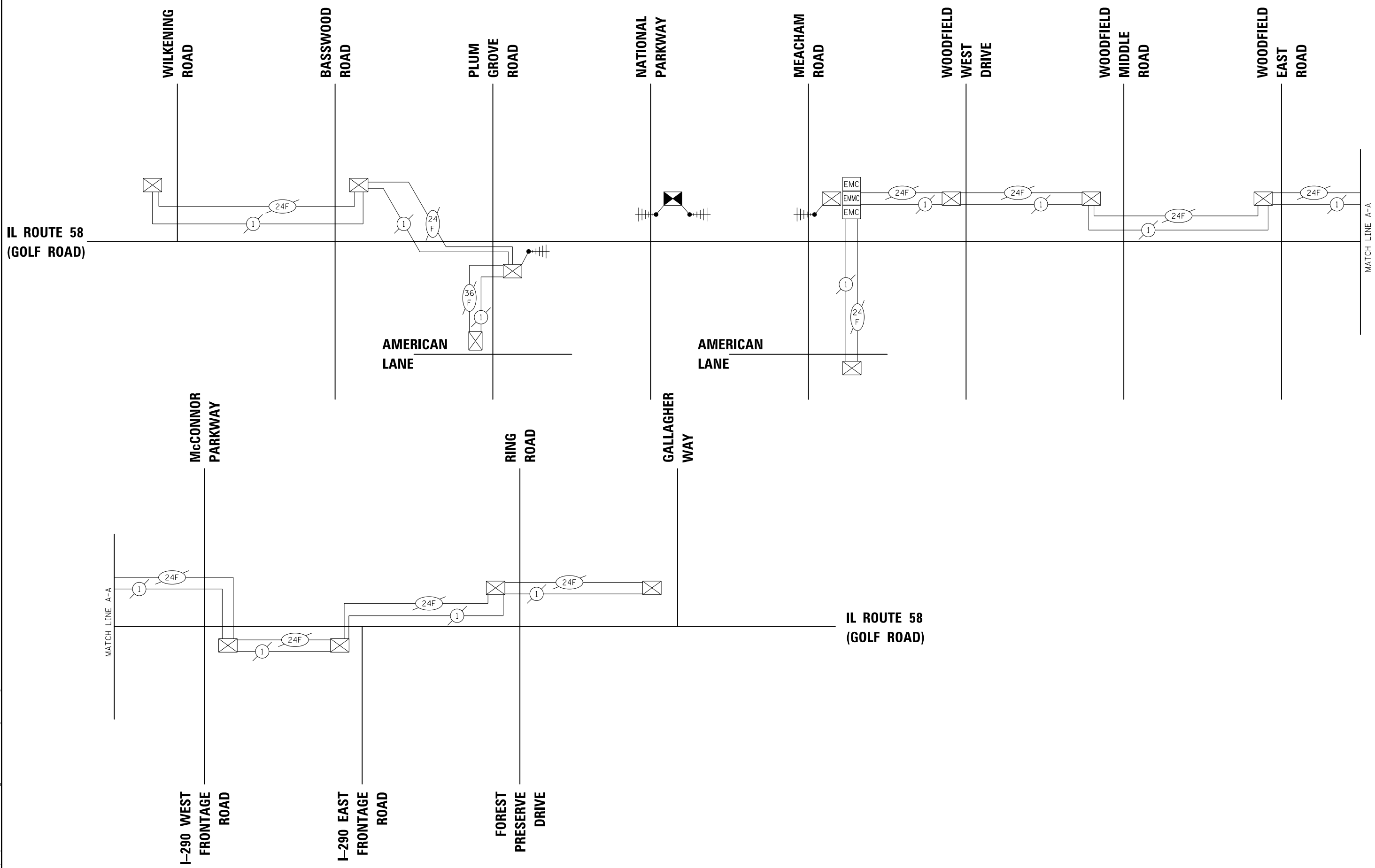


DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	TYPE 2	ZZ	2

MODEL NAME: TS21290_15_S00 and S15.dgn
FILE NAME: TS21290_15_S00 and S15.dgn

**TS 21290
ECON 78**

USER NAME = djk	DESIGNED - LEP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND STREET NAME SIGNS IL ROUTE 58 (GOLF ROAD) AND NATIONAL PARKWAY	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - LEP	REVISIONS -	1103			16-00127-03-PV	COOK	242	148	
PLOT SCALE = 40,0000 ' / in.	CHECKED - JJE	REVISIONS -			CONTRACT NO. 61J04				
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISIONS -			SCALE: NO SCALE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



MODEL: s:\MODEL\NAME
 FILE NAME: s:\3257_16_Temporary Interconnect Schematic Golf Rd From Wilkening to Gaulld.dgn

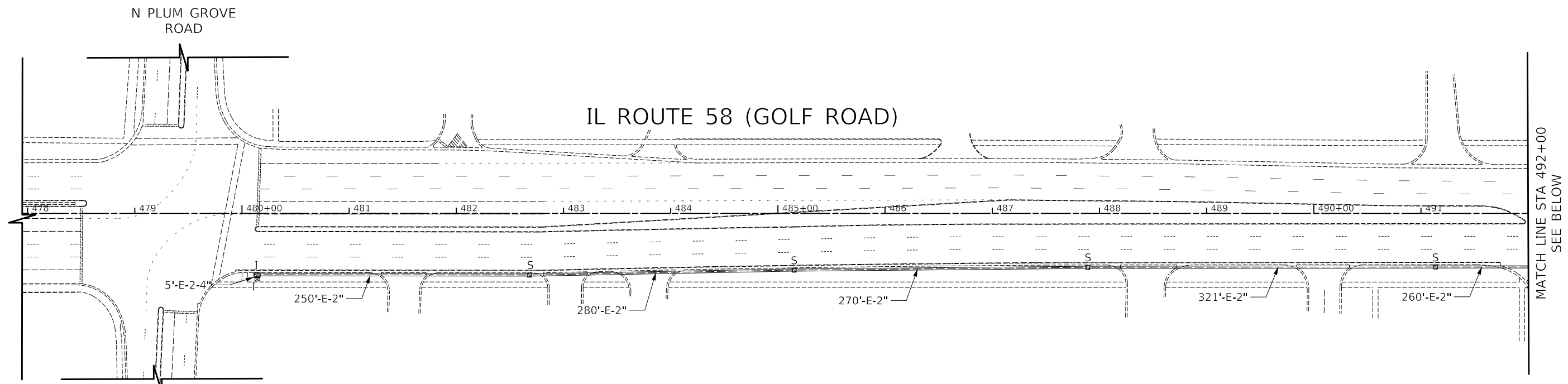
USER NAME = djk	DESIGNED - LEP	REVISED -
	DRAWN - LEP	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL ROUTE 58 (GOLF ROAD) – WILKENING ROAD TO GALLAGHER WAY TEMPORARY INTERCONNECT SCHEMATIC			
SCALE: NO SCALE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

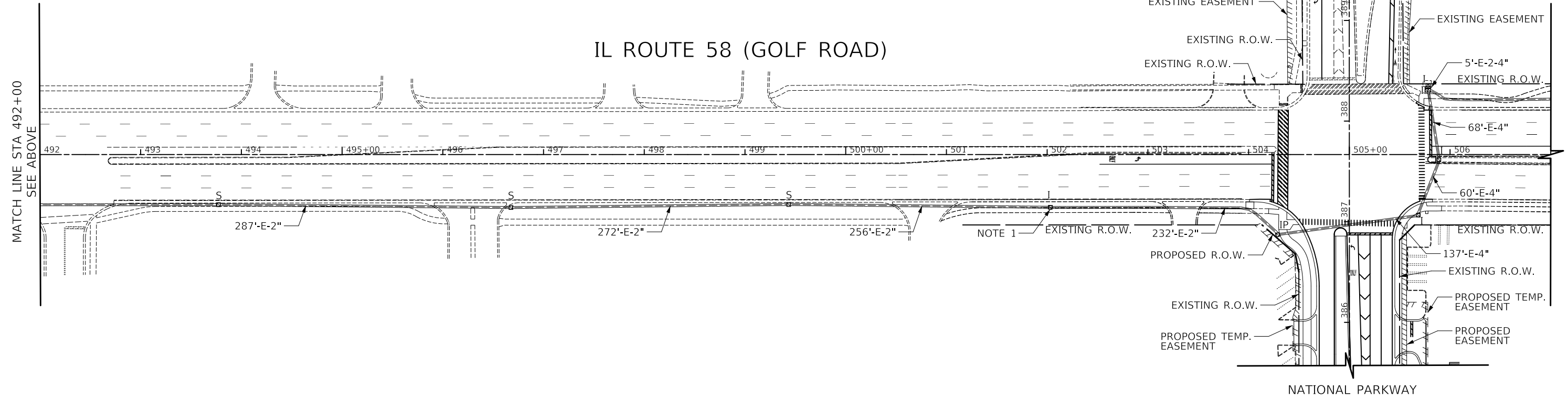
F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 149
CONTRACT NO. 61104				
ILLINOIS FED. AID PROJECT				

ECON 78



NOTES

- DISCONNECT EXISTING FIBER OPTIC CABLE AND TRACER CABLE FROM NATIONAL PKWY CONTROLLER, REMOVE FROM CONDUITS, AND COIL CABLE IN HANDHOLE DURING CONSTRUCTION. RE-INSTALL CABLE INTO PROPOSED CONDUITS AND RE-CONNECT TO EXISTING CONTROLLER. COORDINATE WORK WITH CONTRACT NO. 62R81 (BY OTHERS) IF NECESSARY.



MATCH LINE STA 492+00
SEE ABOVE

MATCH LINE STA 492+00
SEE BELOW

MODEL: s:\MODEL\NAME: FILE NAME: 20220717_Golf Rd Interconnect Plan - Plum Grove to National.dgn

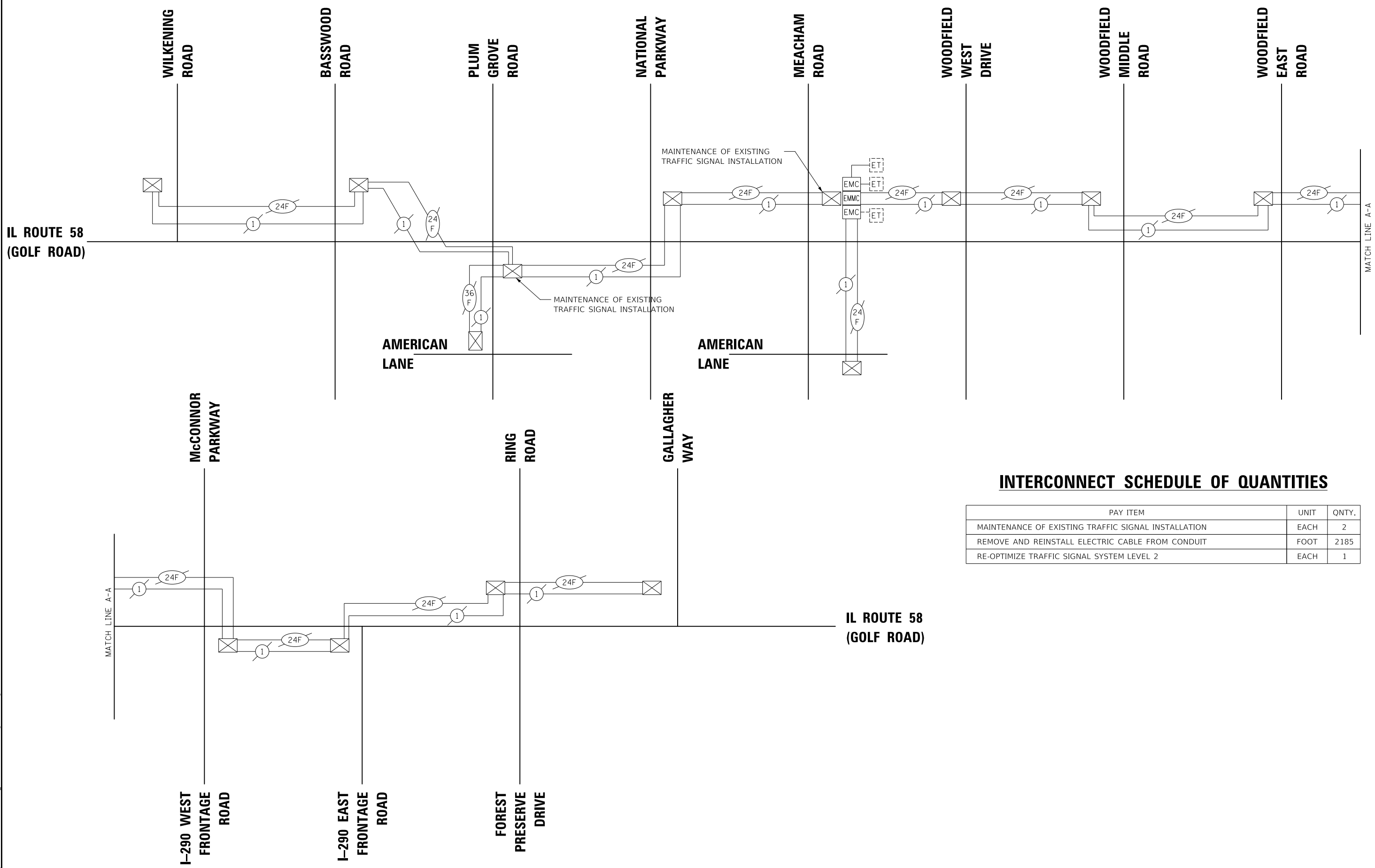
ECON 78

USER NAME = djk	DESIGNED - LEP	REVISED -
	DRAWN - LEP	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED INTERCONNECT PLAN	
IL RTE 58 (GOLF ROAD) - PLUM GROVE ROAD TO NATIONAL PARKWAY	
SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	150
CONTRACT NO. 61J04			ILLINOIS FED. AID PROJECT	



INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2185
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

MODEL: s:\MODEL\NAME
 FILE NAME: s:\3257_1B_Proposed Interconnect Schematic Golf Rd From Wilkening to Gould.dgn

USER NAME = djk	DESIGNED - LEP	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - LEP	REVISED -
PLOT DATE = 10/31/2022	CHECKED - JJE	REVISED -
	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION










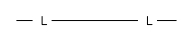

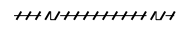




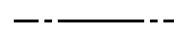
IL ROUTE 58 (GOLF ROAD) – WILKENING ROAD TO GALLAGHER WAY
PROPOSED INTERCONNECT SCHEMATIC

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	151
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

ECON 78

LEGEND

	EXISTING LIGHTING UNIT 133 WATT LED LUMINAIRE 30 FT ALUMINUM LIGHT POLE, 8 FT MAST ARM		PROPOSED LIGHTING UNIT LUMINAIRE INSTALLATION, TYPE 1 125 WATT LED LUMINAIRE, 240V (PHASE TO PHASE) 40 FT M.H. ALUMINUM POLE, 8 FT MAST ARM		TEMPORARY LIGHTING UNIT TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H 60 FT TEMP WOOD POLE (50 FT. MOUNTING HEIGHT) 15 FT MAST ARM
	EXISTING LIGHTING CONTROLLER 120/240 VOLT		PROPOSED LIGHTING UNIT LUMINAIRE INSTALLATION, TYPE 1 125 WATT LED LUMINAIRE, 240V (PHASE TO PHASE) 32 FT M.H. ALUMINUM POLE, 8 FT MAST ARM		
	EXISTING LIGHTING UNIT - GOLF ROAD 291 WATT LED LUMINAIRE, 47.5 FT ALUMINUM POLE		TEMPORARY AERIAL CABLES (AS SPECIFIED IN PLANS)		
	RELOCATE LIGHTING UNIT - GOLF ROAD 291 WATT LED LUMINAIRE, 47.5 FT ALUMINUM POLE		TEMPORARY WOOD POLE (AS SPECIFIED IN PLANS)		
	EXISTING LIGHTING CABLES		TEMPORARY LIGHTING UNIT TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H 50 FT TEMP WOOD POLE (35 FT. MOUNTING HEIGHT) 15 FT MAST ARM		
	REMOVAL OF EXISTING CABLES		TEMPORARY LIGHTING UNIT TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H 60 FT TEMP WOOD POLE (45 FT. MOUNTING HEIGHT) 15 FT MAST ARM		
	EXISTING LIGHTING UNIT TO BE REMOVED				
	EXISTING HANDHOLE TO BE REMOVED				
	PROPOSED LIGHTING CONTROLLER 120/240 VOLT, 100 AMP				
	PROPOSED UNIT DUCT AS SPECIFIED IN PLANS				

LIGHTING SCHEDULE OF QUANTITIES

CODED PAY ITEM NO.	ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	200
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1060
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	196
81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	4439
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	210
81800230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	3534
81800320	AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	339
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	19
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	1
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	13
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	1
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	19
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	26
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	19
84200804	REMOVAL OF POLE FOUNDATION	EACH	19
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9309
89502380	REMOVE EXISTING HANHOLE	EACH	4
X0323002	TEMPORARY ELECTRIC SERVICE CONNECTION	EACH	1
X0326148	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	19
X0327349	TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	4
X0327350	TEMPORARY WOOD POLE, 50 FT., CLASS 4, 15 FT. MAST ARM	EACH	1
X1400351	WOOD POLE, 35 FT, CLASS 4	EACH	1
X8161000	EXPOSE AND RELOCATE EXISTING UNIT DUCT	FOOT	10
X8211008	TEMPORARY LUMINIARE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	21
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	72
X8361005	RELOCATE EXISTING LIGHT POLE FOUNDATION, METAL	EACH	1
X8380025	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE (FURNISH ONLY)	EACH	3
X8772115	TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	1
X8950075	REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	1
Z0033020	LUMINIARE SAFETY CABLE ASSEMBLY	EACH	20
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9
XX008068	LUMINAIRE INSTALLATION, TYPE 1	EACH	20
	LIGHT POLE, ALUMINUM, 32 FT. M.H., 8 FT. MAST ARM	EACH	1
	LIGHT POLE, ALUMINUM, 32 FT. M.H., 8 FT. MAST ARM (FURNISH ONLY)	EACH	1
	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM (FURNISH ONLY)	EACH	3
	LUMINAIRE INSTALLATION, TYPE 1 (FURNISH ONLY)	EACH	3
	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE (FURNISH ONLY)	EACH	1

LIGHTING GENERAL NOTES

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

MODEL NAME: 16-00127-03-PV
FILE NAME: 16-00127-03-PV-16-00127-03-PV.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
	DRAWN - SJC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

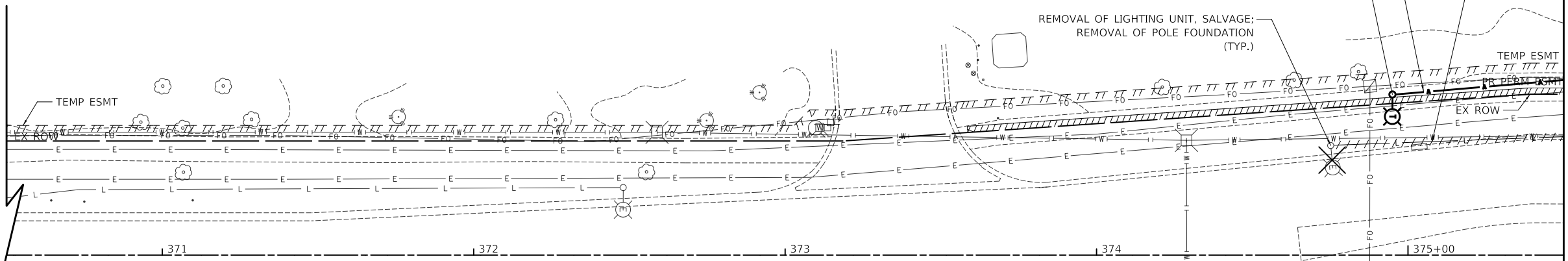
**NATIONAL PARKWAY
LIGHTING LEGEND, GENERAL NOTES, AND BILL OF MATERIAL**

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

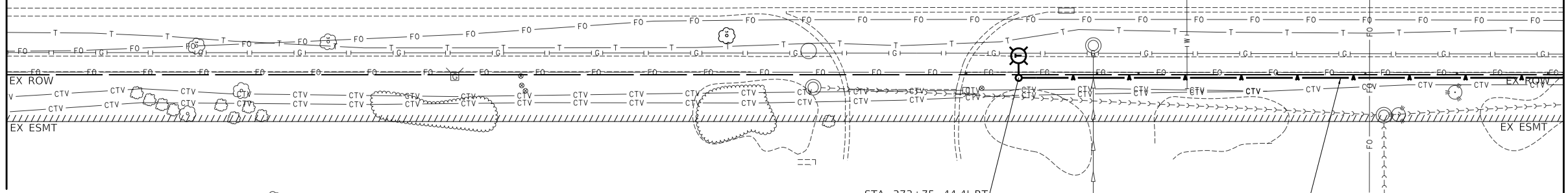
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	152
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



930 NATIONAL PARKWAY



NATIONAL PARKWAY



915 WOODFIELD ROAD

1251 AMERICAN LANE

MATCHLINE STA. 375+50
SEE SHEET 154



MODEL: \\MODEL\NAME
FILE: \\NAME: ...32525-211-149101-106.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
DRAWN - SJC	REVISIONS -	
PLOT SCALE = 40,0000 ' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

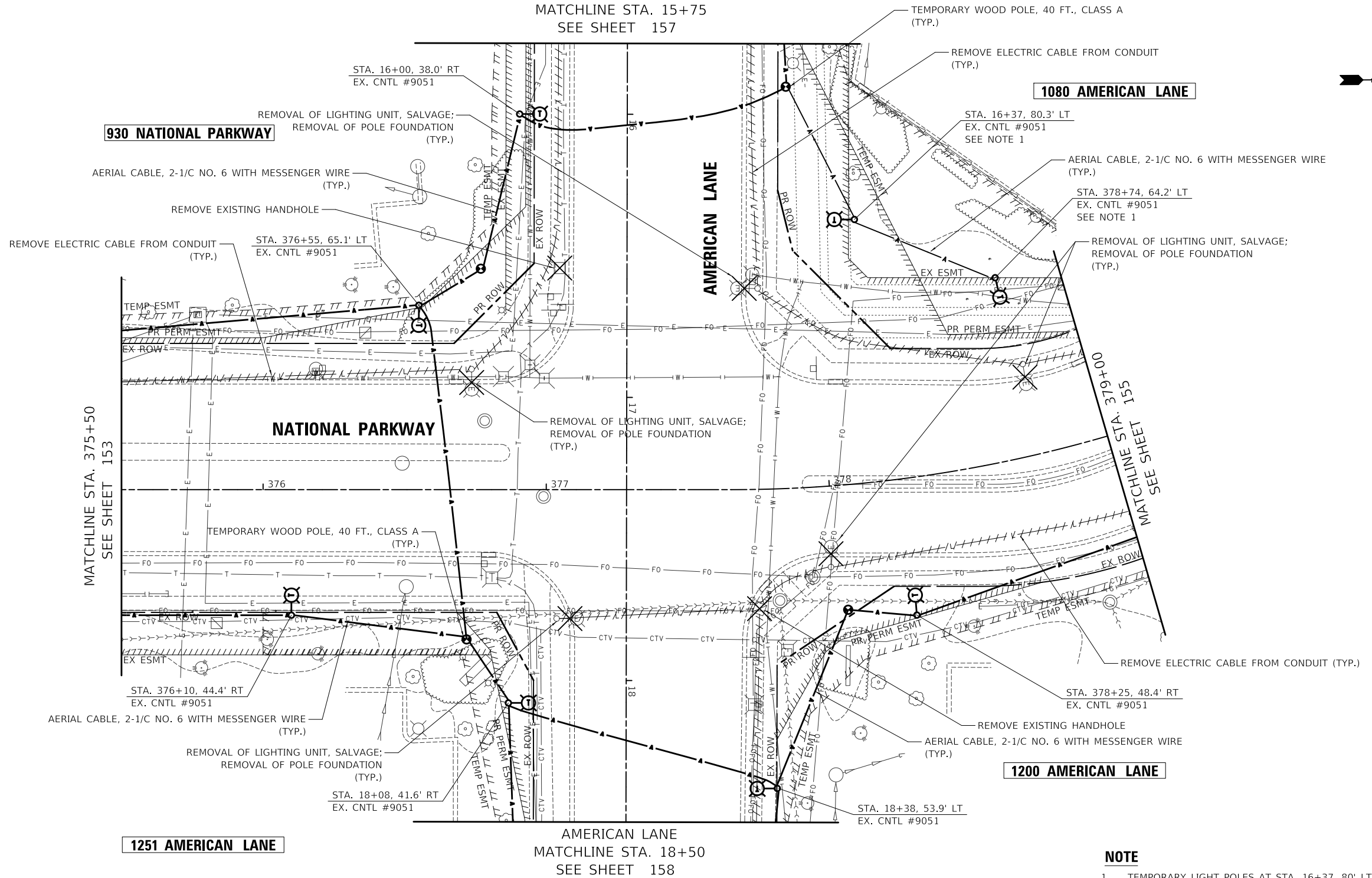
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
TEMPORARY LIGHTING

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. 370+50 TO STA. 375+50

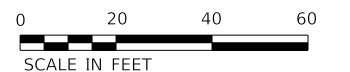
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	153
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

AMERICAN LANE
MATCHLINE STA. 15+75
SEE SHEET 157



NOTE

1. TEMPORARY LIGHT POLES AT STA. 16+37, 80' LT AND STA. 378+74, 64.2' LT WILL NOT BE INSTALLED UNTIL MOT STAGE 2.



MODEL: \\MODELNAME
FILE: \\NAME: ...103127-03-11-11-11.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
	DRAWN - SJC	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

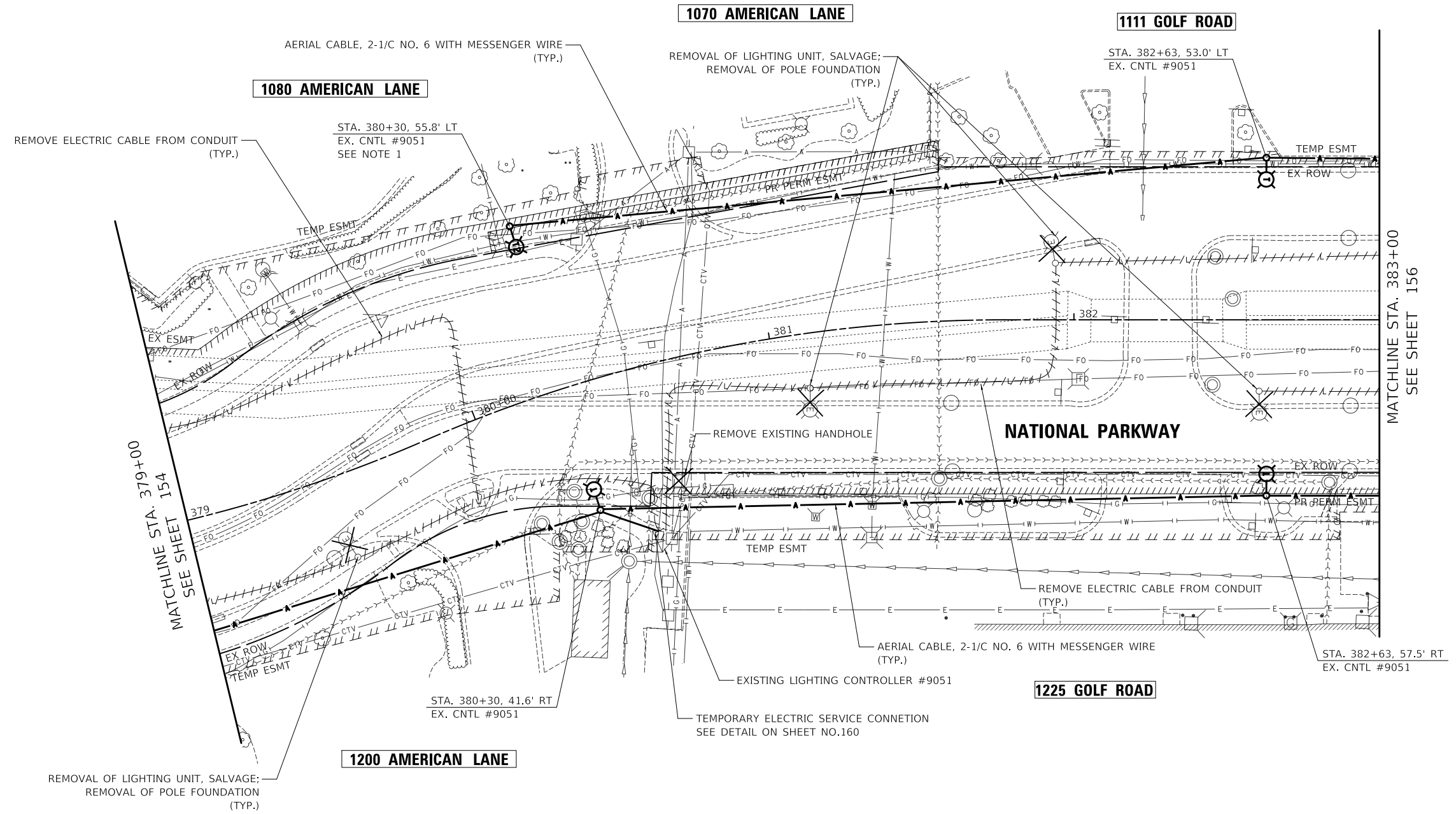
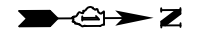
**NATIONAL PARKWAY
TEMPORARY LIGHTING**

SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. 375+50 TO STA. 379+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	154
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

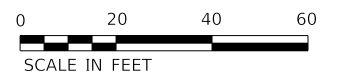
NOTE

1. THE HIGHEST POINT OF THE TEMPORARY LIGHTING UNIT AT STA. 380+30, 55.8' LT SHALL NOT EXCEED 45 FEET FROM EXISTING GRADE ELEVATION DUE TO FAA CLEARANCE FOR HELIPORT. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATION UNLESS APPROVED BY THE ENGINEER.



MATCHLINE STA. 379+00
SEE SHEET 154

MATCHLINE STA. 383+00
SEE SHEET 156



MODEL: \\MODELNAME
FILE: \\NAME: ...161103-03-PV.dgn

USER NAME = djk	DESIGNED - SIC	REVISED -
	DRAWN - SIC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
TEMPORARY LIGHTING**

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 379+00 TO STA. 383+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	155
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

NOTES

1. INSTALL TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H AND TEMPORARY MAST ARM, ALUMINUM, 15 FT ON TEMPORARY TRAFFIC SIGNAL WOOD POLE.
2. DISCONNECT THE EXISTING CABLES TO THE EAST UNTIL THE LIGHT POLE AT THE SW CORNER OF GOLF ROAD NATIONAL PARKWAY IS RELOCATED AND THE EXISTING CABLES ARE SPliced IN THE RELOCATED LIGHT POLE.

SPlice AERIAL CABLE TO EXISTING BRANCH CIRCUITS AT BASE OF POLE; SEE NOTE 2

AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE

EXISTING UNIT DUCT AND CABLES FROM THE WEST WILL BE REUSED IN THE RELOCATED POLE. UNIT DUCT SHALL BE CAPPED AND PROTECTED.

RELOCATE EXISTING LIGHTING UNIT; RELOCATE EXISTING LIGHT POLE FOUNDATION, METAL

STA. 504+39, 62.2' RT
SEE NOTE 1

REMOVE ELECTRIC CABLE FROM CONDUIT (TYP.)

AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE (TYP.)

STA. 385+60, 50.3' LT
EX. CNTL #9051

1111 GOLF ROAD

STA. 386+62, 51.6' LT
EX. CNTL #9051

REMOVAL OF LIGHTING UNIT, SALVAGE; REMOVAL OF POLE FOUNDATION (TYP.)

REMOVAL OF LIGHTING UNIT, SALVAGE; REMOVAL OF POLE FOUNDATION (TYP.)

MATCHLINE STA. 383+00
SEE SHEET 155

NATIONAL PARKWAY

AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE

STA. 386+91, 55.0' RT
EX. CNTL #9051

SPlice AERIAL CABLE TO EXISTING BRANCH CIRCUITS AT BASE OF POLE

END OF PROJECT
STA. 387+22.09

REMOVAL OF LIGHTING UNIT, SALVAGE; REMOVAL OF POLE FOUNDATION (TYP.)

AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE (TYP.)

1225 GOLF ROAD



MODEL: \\MODEL\NAME
FILE: \\NAME: 20220411-1111101-106.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DNM	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

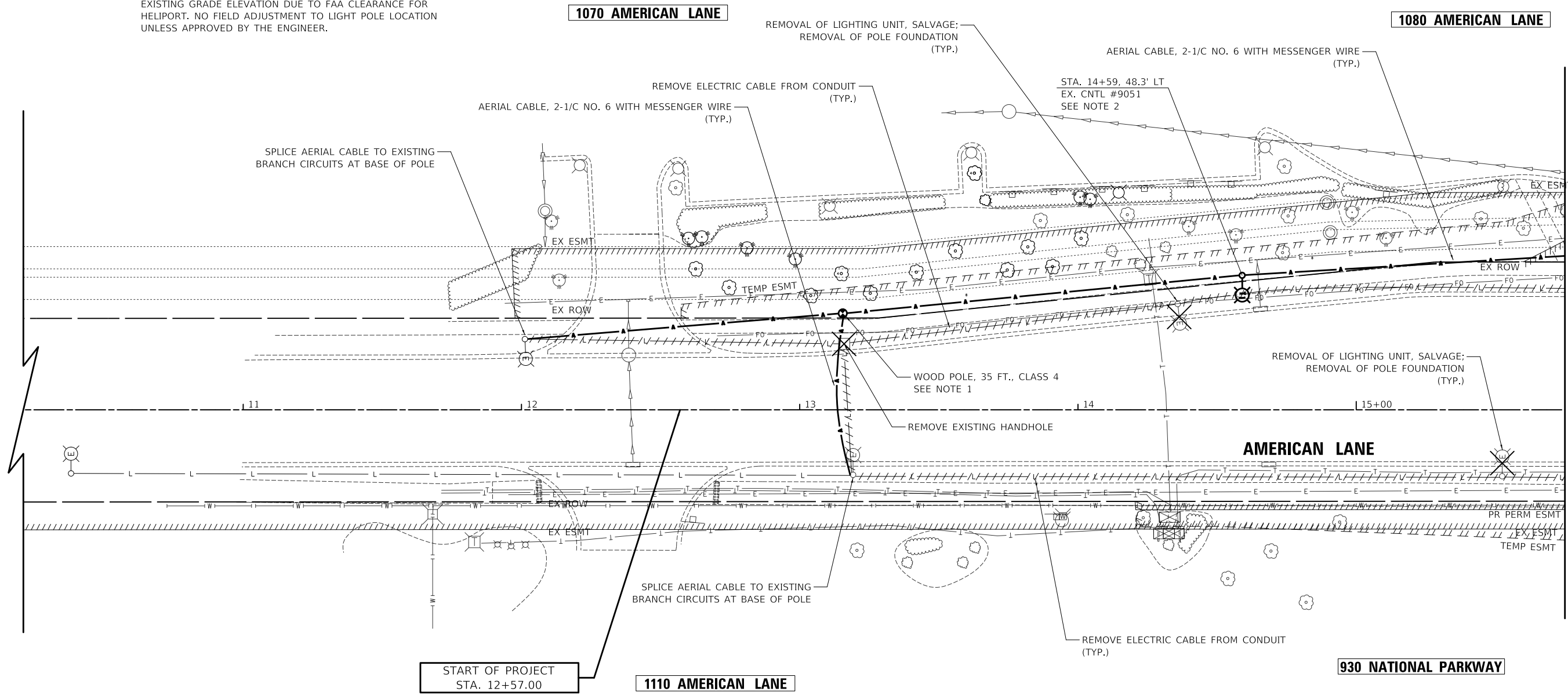
**NATIONAL PARKWAY
TEMPORARY LIGHTING**

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. 383+00 TO STA. 388+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	156
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

NOTES

1. THE HIGHEST POINT OF THE WOOD POLE SHALL NOT EXCEED 22 FEET FROM EXISTING GRADE ELEVATION DUE TO FAA CLEARANCE FOR HELIPORT. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATION UNLESS APPROVED BY THE ENGINEER.
2. THE HIGHEST POINT OF THE TEMPORARY LIGHTING UNIT AT STA. 14+59, 48.3' LT SHALL NOT EXCEED 35 FEET FROM EXISTING GRADE ELEVATION DUE TO FAA CLEARANCE FOR HELIPORT. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATION UNLESS APPROVED BY THE ENGINEER.



MATCHLINE STA. 15+75
SEE SHEET 154



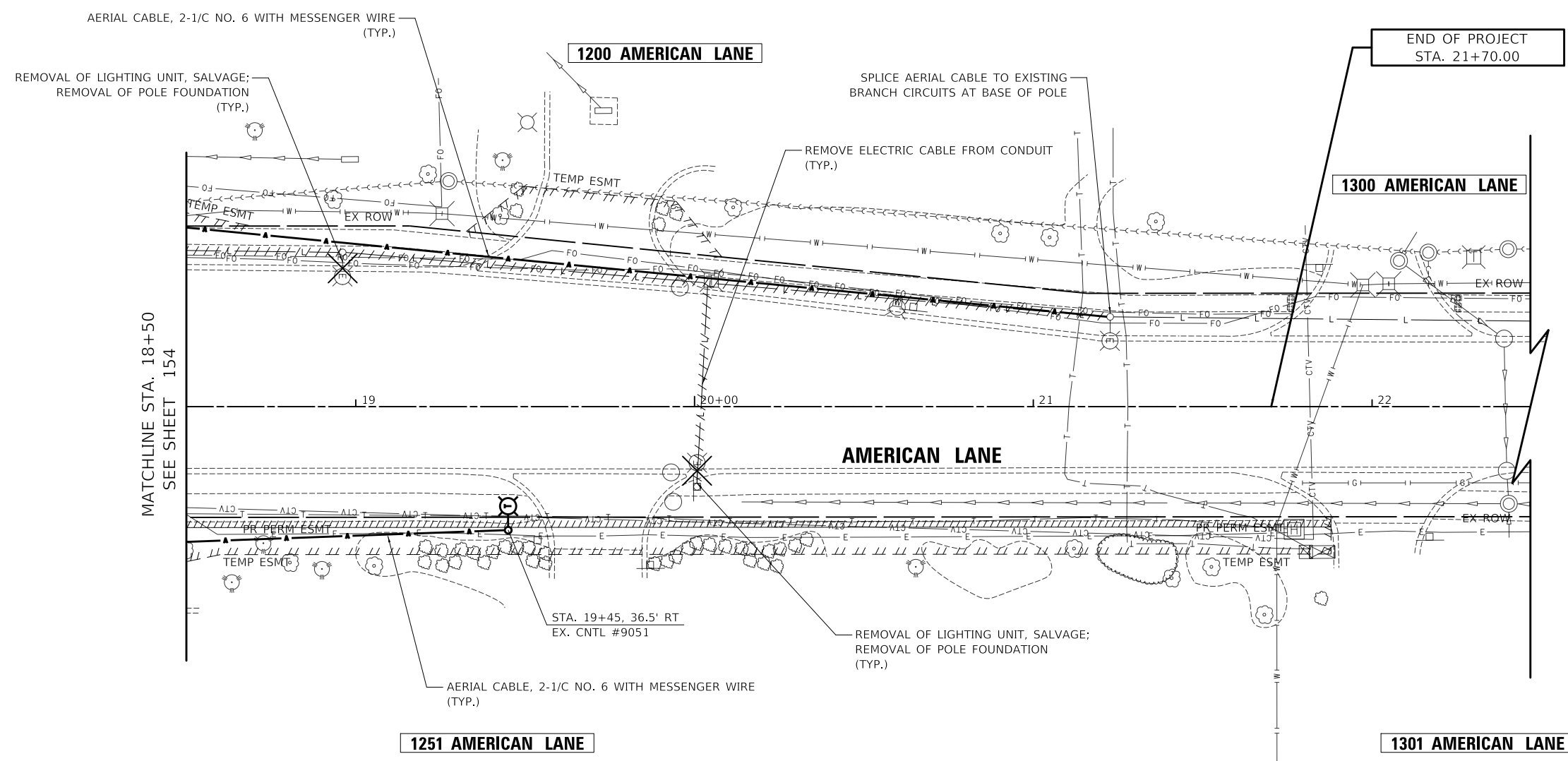
MODEL: \\MODELNAME
FILE NAME: \\32524114\hgh01-106.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
DRAWN - SJC	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AMERICAN LANE TEMPORARY LIGHTING		
SCALE: 1"=20'	SHEET 5 OF 6 SHEETS	STA. 12+00 TO STA. 16+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	157
CONTRACT NO. 61J04			ILLINOIS FED. AID PROJECT	



MODEL: \\MODELNAME
 FILE: \\NAME: ...325241148101-106.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
	DRAWN - SJC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

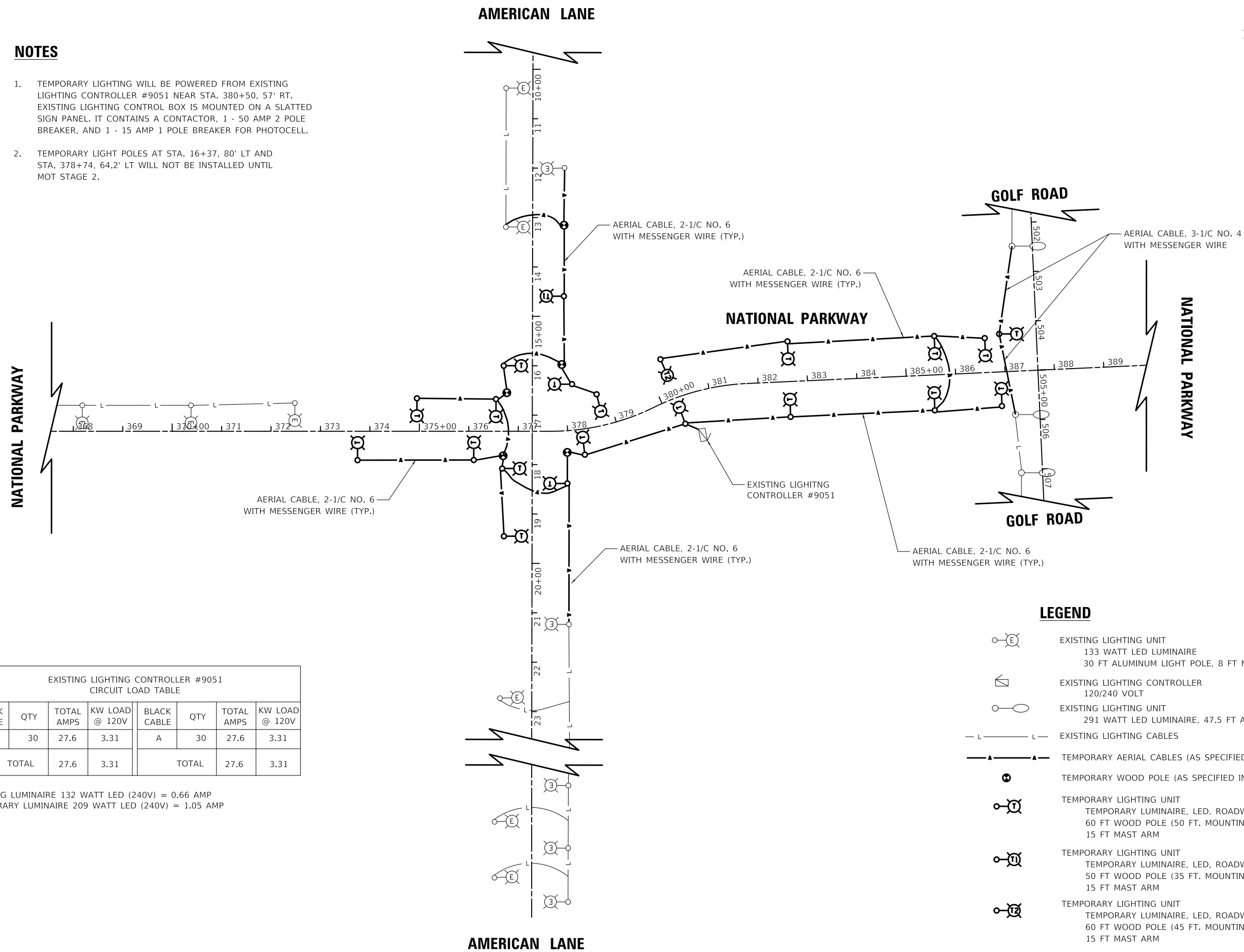
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AMERICAN LANE TEMPORARY LIGHTING		
SCALE: 1"=20'	SHEET 6 OF 6 SHEETS	STA. 18+00 TO STA. 22+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	158
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

NOTES

1. TEMPORARY LIGHTING WILL BE POWERED FROM EXISTING LIGHTING CONTROLLER #9051 NEAR STA. 380+50, 57' RT. EXISTING LIGHTING CONTROL BOX IS MOUNTED ON A SLATED SIGN PANEL. IT CONTAINS A CONTACTOR, 1 - 50 AMP 2 POLE BREAKER, AND 1 - 15 AMP 1 POLE BREAKER FOR PHOTOCELL.
2. TEMPORARY LIGHT POLES AT STA. 16+37, 80' LT AND STA. 378+74, 64.2' LT WILL NOT BE INSTALLED UNTIL MOT STAGE 2.



EXISTING LIGHTING CONTROLLER #9051 CIRCUIT LOAD TABLE							
BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V	BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V
A	30	27.6	3.31	A	30	27.6	3.31
TOTAL		27.6	3.31	TOTAL		27.6	3.31

EXISTING LUMINAIRE 132 WATT LED (240V) = 0.66 AMP
 TEMPORARY LUMINAIRE 209 WATT LED (240V) = 1.05 AMP

LEGEND

	EXISTING LIGHTING UNIT 133 WATT LED LUMINAIRE 30 FT ALUMINUM LIGHT POLE, 8 FT MAST ARM
	EXISTING LIGHTING CONTROLLER 120/240 VOLT
	EXISTING LIGHTING UNIT 291 WATT LED LUMINAIRE, 47.5 FT ALUMINUM POLE
	EXISTING LIGHTING CABLES
	TEMPORARY AERIAL CABLES (AS SPECIFIED IN PLANS)
	TEMPORARY WOOD POLE (AS SPECIFIED IN PLANS)
	TEMPORARY LIGHTING UNIT TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H 60 FT WOOD POLE (50 FT. MOUNTING HEIGHT) 15 FT MAST ARM
	TEMPORARY LIGHTING UNIT TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H 50 FT WOOD POLE (35 FT. MOUNTING HEIGHT) 15 FT MAST ARM
	TEMPORARY LIGHTING UNIT TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H 60 FT WOOD POLE (45 FT. MOUNTING HEIGHT) 15 FT MAST ARM

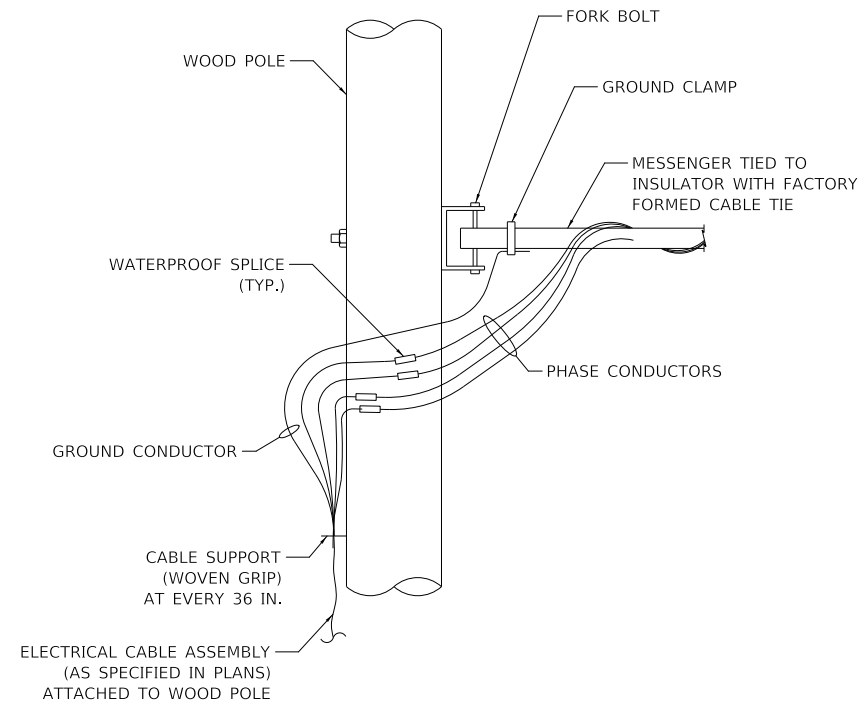
MODEL: \\MODEL\NAME: FILE: NAME: ...32525414-16-10-2022.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
PLOT SCALE = 200.0000 ' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

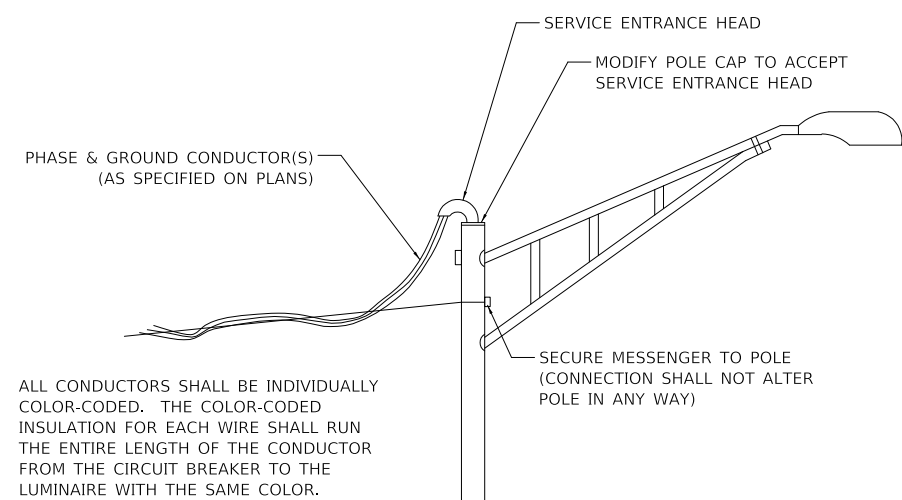
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NATIONAL PARKWAY LIGHTING PLANS - TEMPORARY WIRING DIAGRAM	
SCALE: N.T.S	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	159
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



AERIAL CABLE CONNECTION DETAIL

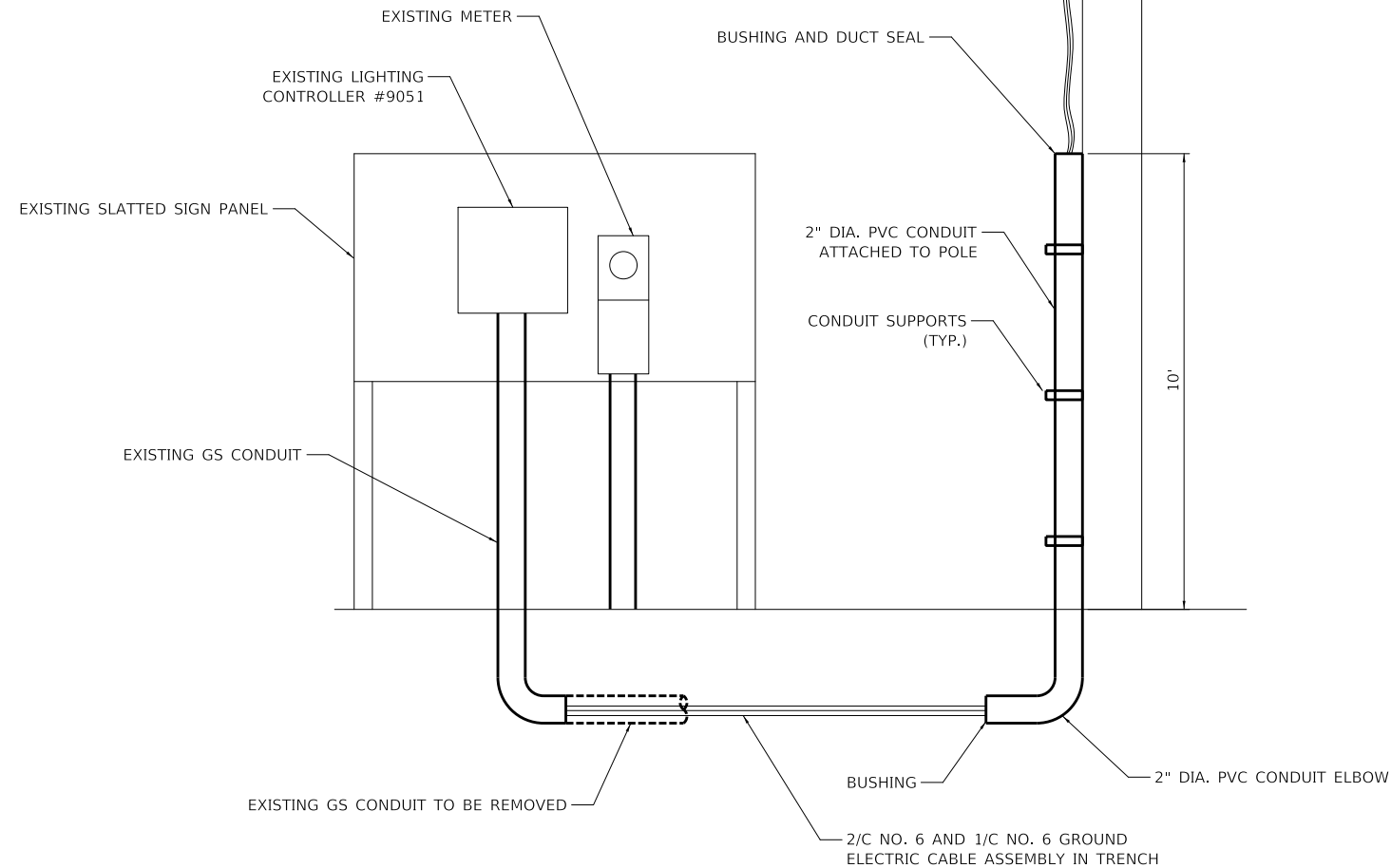


ALL CONDUCTORS SHALL BE INDIVIDUALLY COLOR-CODED. THE COLOR-CODED INSULATION FOR EACH WIRE SHALL RUN THE ENTIRE LENGTH OF THE CONDUCTOR FROM THE CIRCUIT BREAKER TO THE LUMINAIRE WITH THE SAME COLOR.

NOTES:

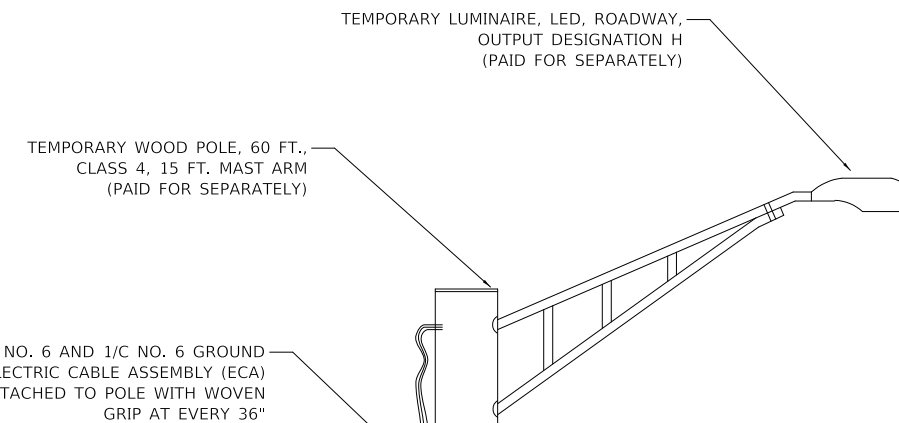
1. COST OF SERVICE ENTRANCE HEAD, MODIFICATION OF POLE CAP AND CONNECTION ARE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.
2. SPLICE SHALL BE MADE IN BASE OF POLE.

AERIAL CABLE CONNECTION TO EXISTING LIGHT POLE



TEMPORARY ELECTRIC SERVICE CONNECTION

N.T.S.



MODEL: \\MODELNAME
FILE NAME: \\313521-41-1410108.dgn

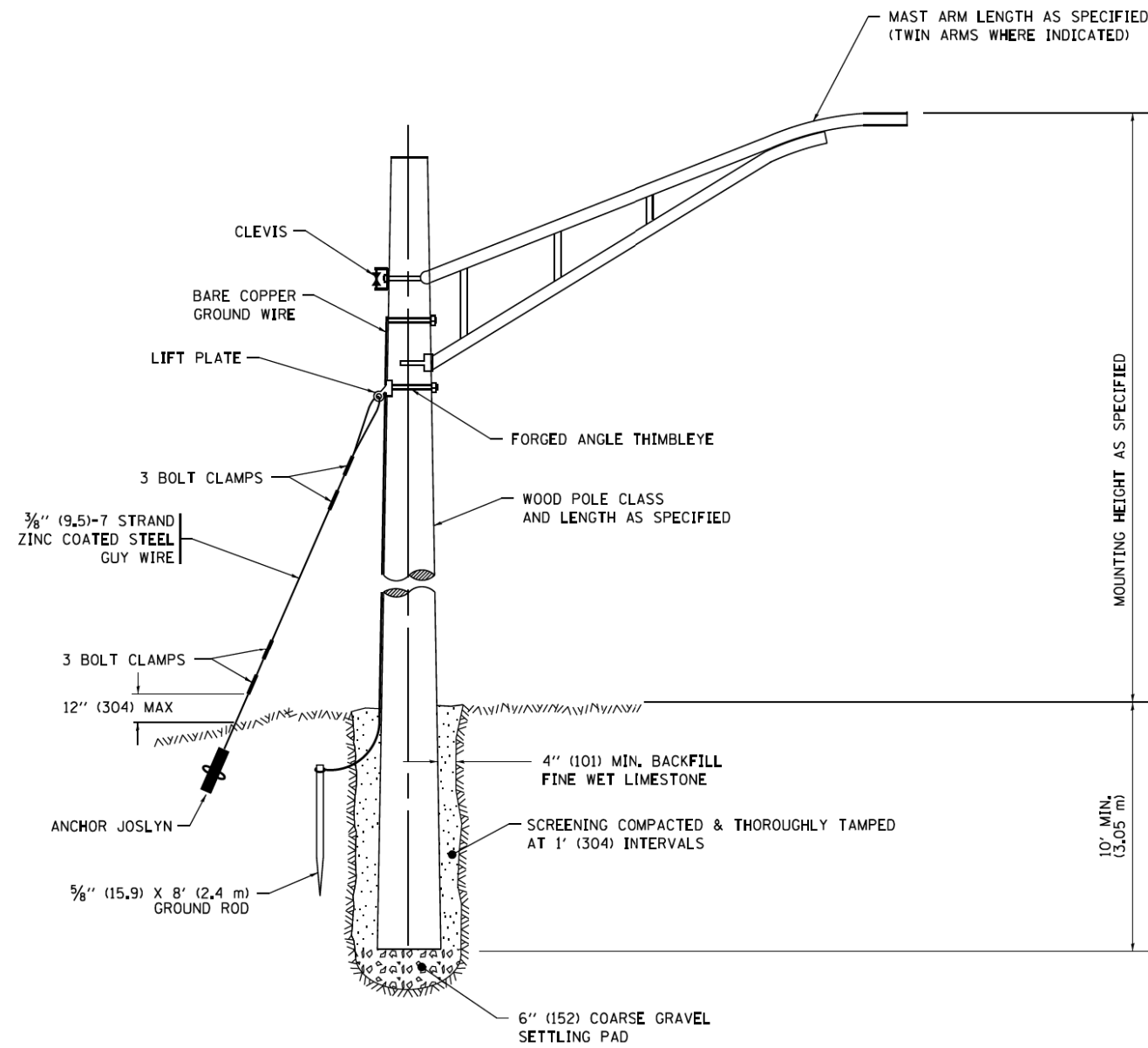
USER NAME = djk	DESIGNED - SJC	REVISED -
	DRAWN - SJC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

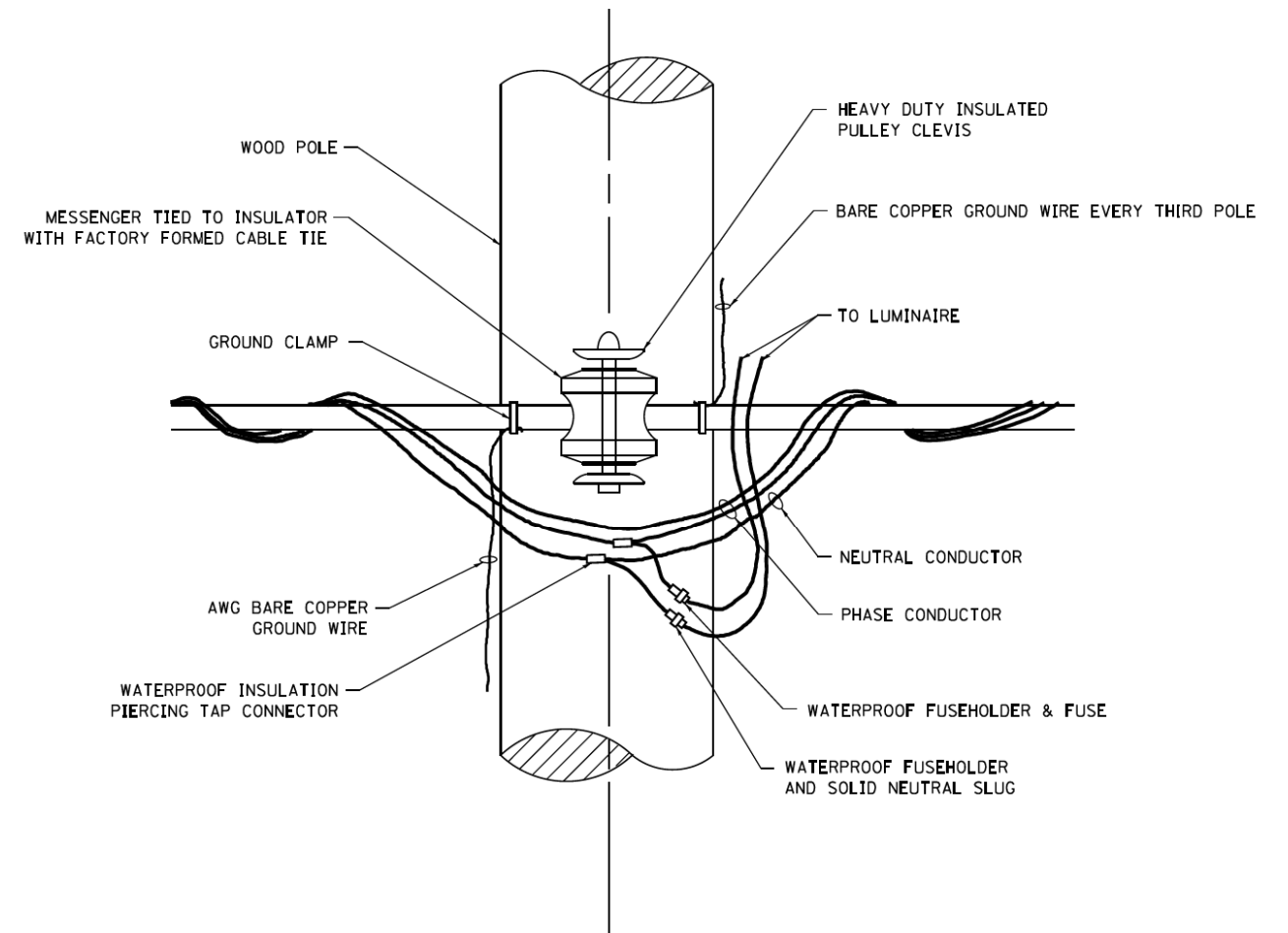
**NATIONAL PARKWAY
TEMPORARY LIGHTING DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	160
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

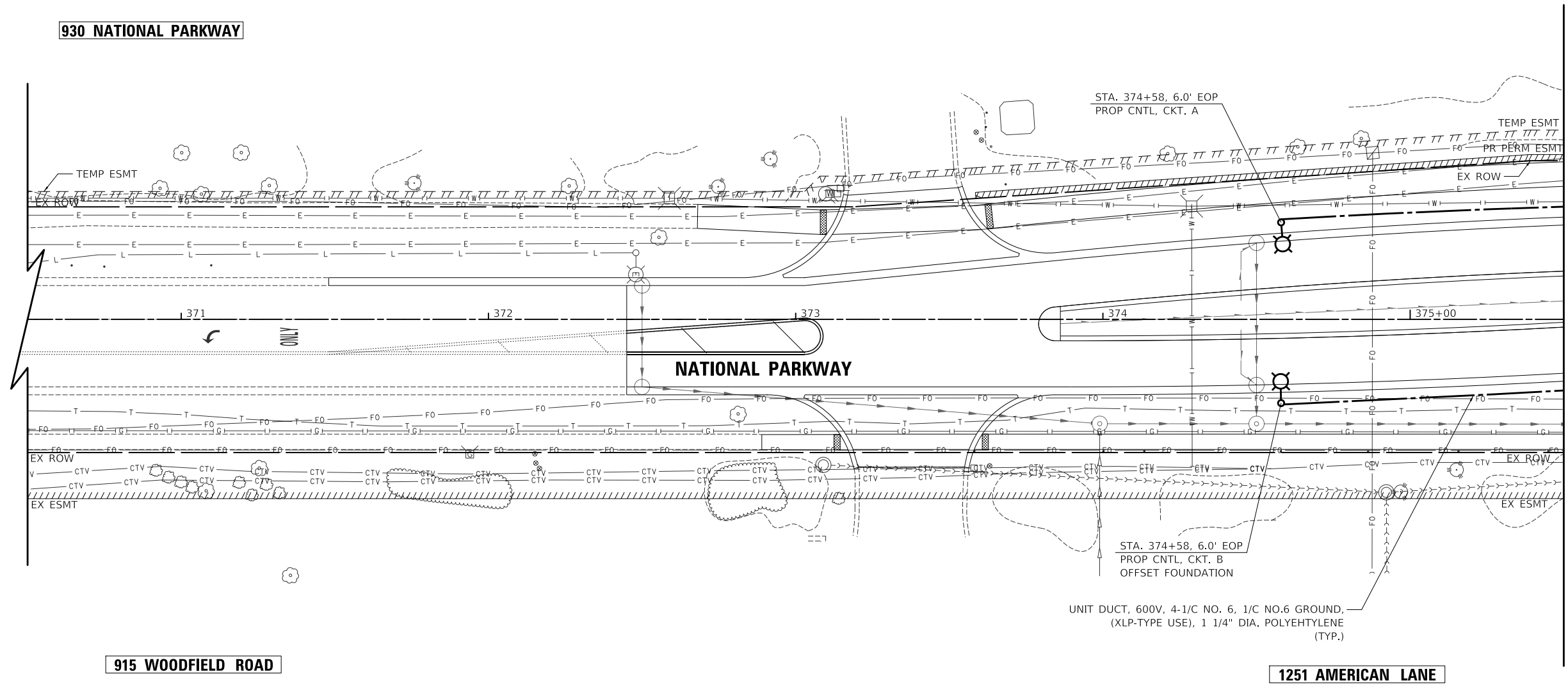
NOTE:

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

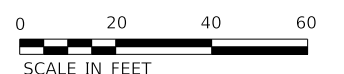
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\l\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\Dist 1\084EBID\CADD\CAD\Drawings\be800.dgn	DRAWN	REVISED - R.T. 07-26-16	1103					15-00119-00-PV	COOK	242	161	
PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -	BE-800		CONTRACT NO. 61104							
Default	PLOT DATE = 9/1/2016	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

NOTE

1. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATIONS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE NEW LOCATION BY THE F.A.A.



MATCHLINE STA. 375+50
SEE SHEET 163



MODEL: \\MODELNAME
FILE NAME: \\32524114\light10-15.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
DRAWN - SJC	REVISIONS -	
PLOT SCALE = 40,0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

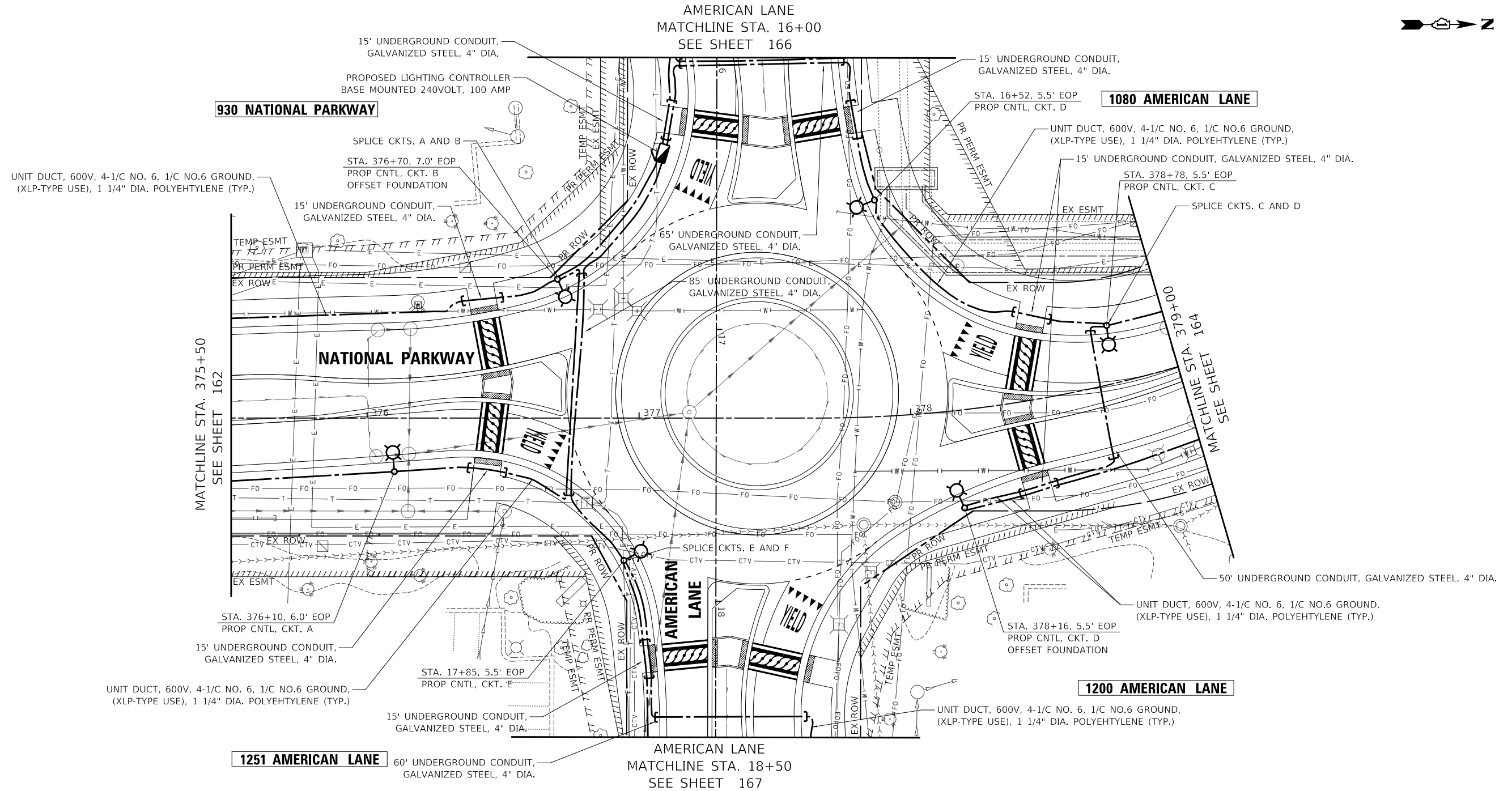
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NATIONAL PARKWAY PROPOSED LIGHTING	
SCALE: 1"=20'	SHEET 3 OF 8 SHEETS
STA. 370+50 TO STA. 375+50	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	162
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

NOTE

1. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATIONS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE NEW LOCATION BY THE F.A.A.



MODEL: \\MODEL\NAME
 FILE NAME: \\325241\Light10-15.dgn

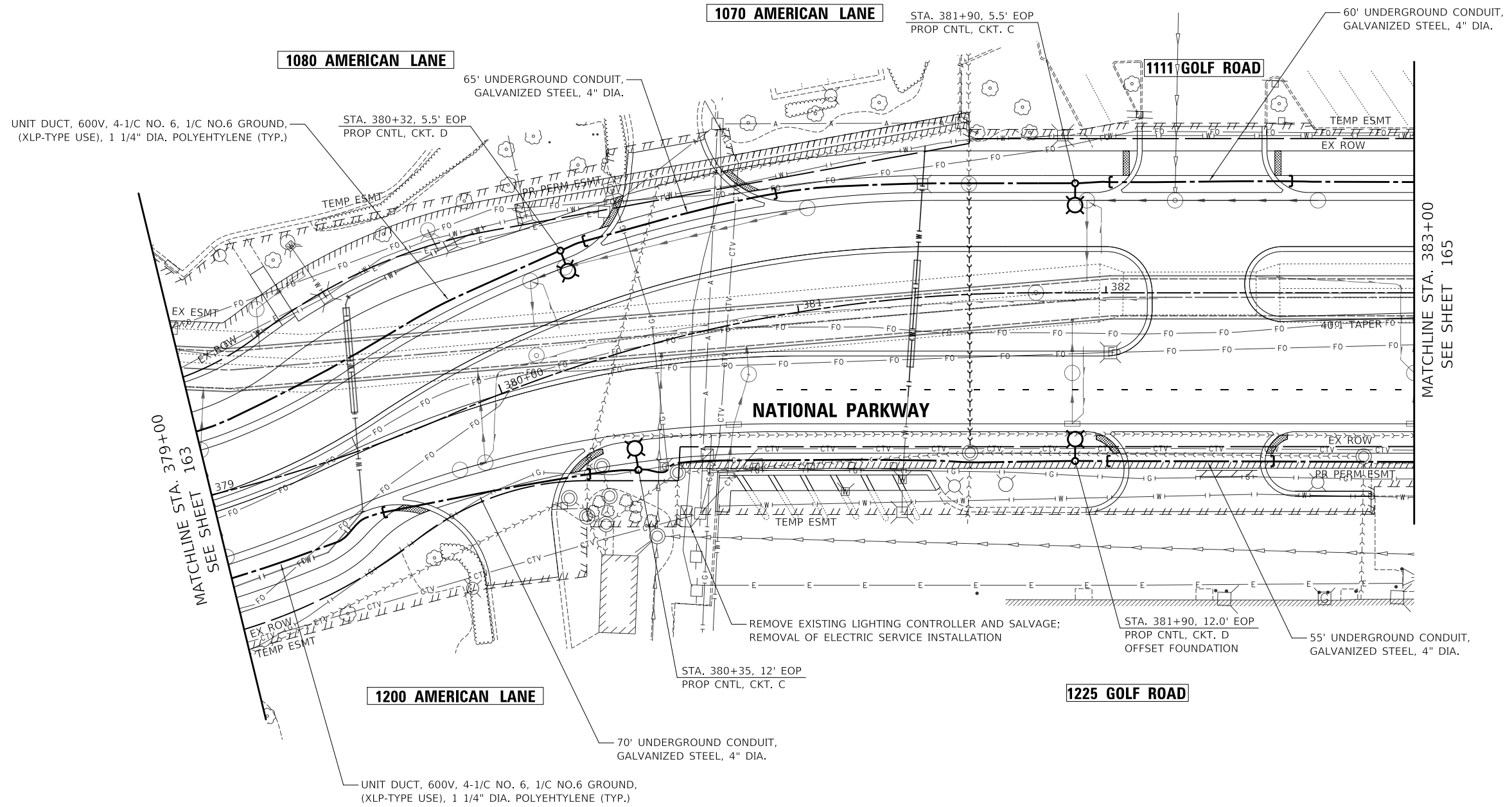
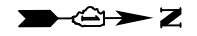
USER NAME = djk	DESIGNED - SJC	REVISED -
	DRAWN - SJC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY PROPOSED LIGHTING		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1103	16-00127-03-PV	COOK	242	163
SCALE: 1"=20' SHEET 4 OF 8 SHEETS STA. 375+50 TO STA. 379+00		CONTRACT NO. 61J04 ILLINOIS FED. AID PROJECT				

NOTE

1. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATIONS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE NEW LOCATION BY THE F.A.A.



MODEL: \\MODELNAME
FILE NAME: \\32524141810-15.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
	DRAWN - SJC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

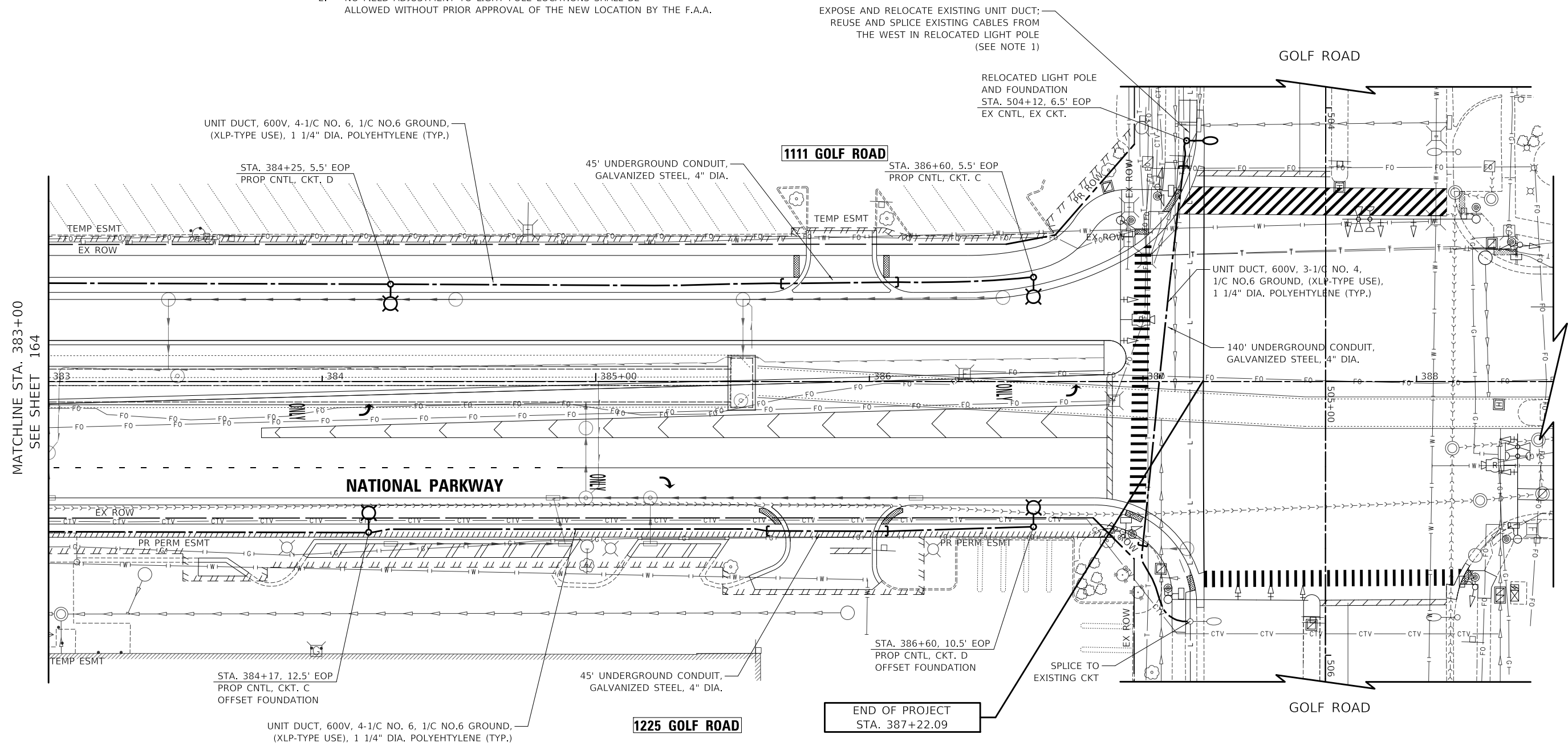
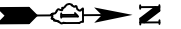
**NATIONAL PARKWAY
PROPOSED LIGHTING**

SCALE: 1"=20' SHEET 5 OF 8 SHEETS STA. 379+00 TO STA. 383+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	164
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

NOTE

1. SPLICING OF EXISTING AND PROPOSED CABLES AT RELOCATED LIGHT POLE WILL BE IN LIGHT POLE HANDHOLE WITH NEW WATERPROOF SPLICES AND NEW FUSE KIT. FUSE SIZE SHALL MATCH EXISTING. NO UNDERGROUND SPLICING WILL BE ALLOWED. THIS WORK WILL BE INCLUDED AND PAID FOR AS EXPOSE AND RELOCATE EXISTING UNIT DUCT.
2. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATIONS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE NEW LOCATION BY THE F.A.A.



MATCHLINE STA. 383+00
SEE SHEET 164



MODEL: \\MODELNAME
FILE: \\NAME: \\32524114810-15.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
DRAWN - SJC	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

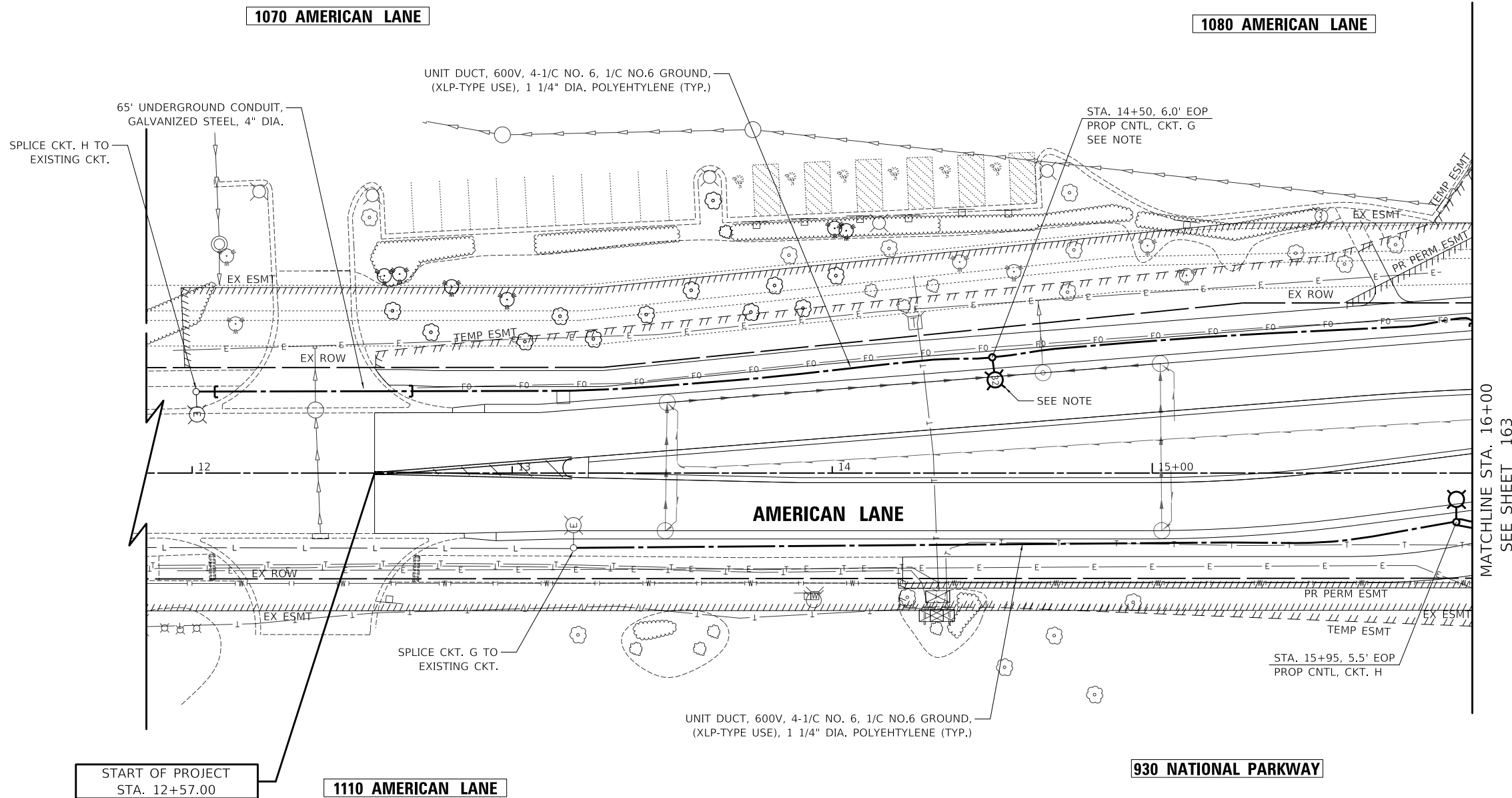
**NATIONAL PARKWAY
PROPOSED LIGHTING**

SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. 383+00 TO STA. 388+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	165
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

NOTE

1. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATIONS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE NEW LOCATION BY THE F.A.A.



NOTE

THE HIGHEST POINT OF THE LIGHT POLE SHALL NOT EXCEED 34 FEET FROM EXISTING GRADE ELEVATION DUE TO FAA CLEARANCE FOR HELIPORT. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATION UNLESS APPROVED BY THE ENGINEER.



MODEL: \\MODELNAME
FILE: \\NAME: ...32524141810-15.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
DRAWN - SJC	REVISIONS -	
PLOT SCALE = 40,0000 ' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

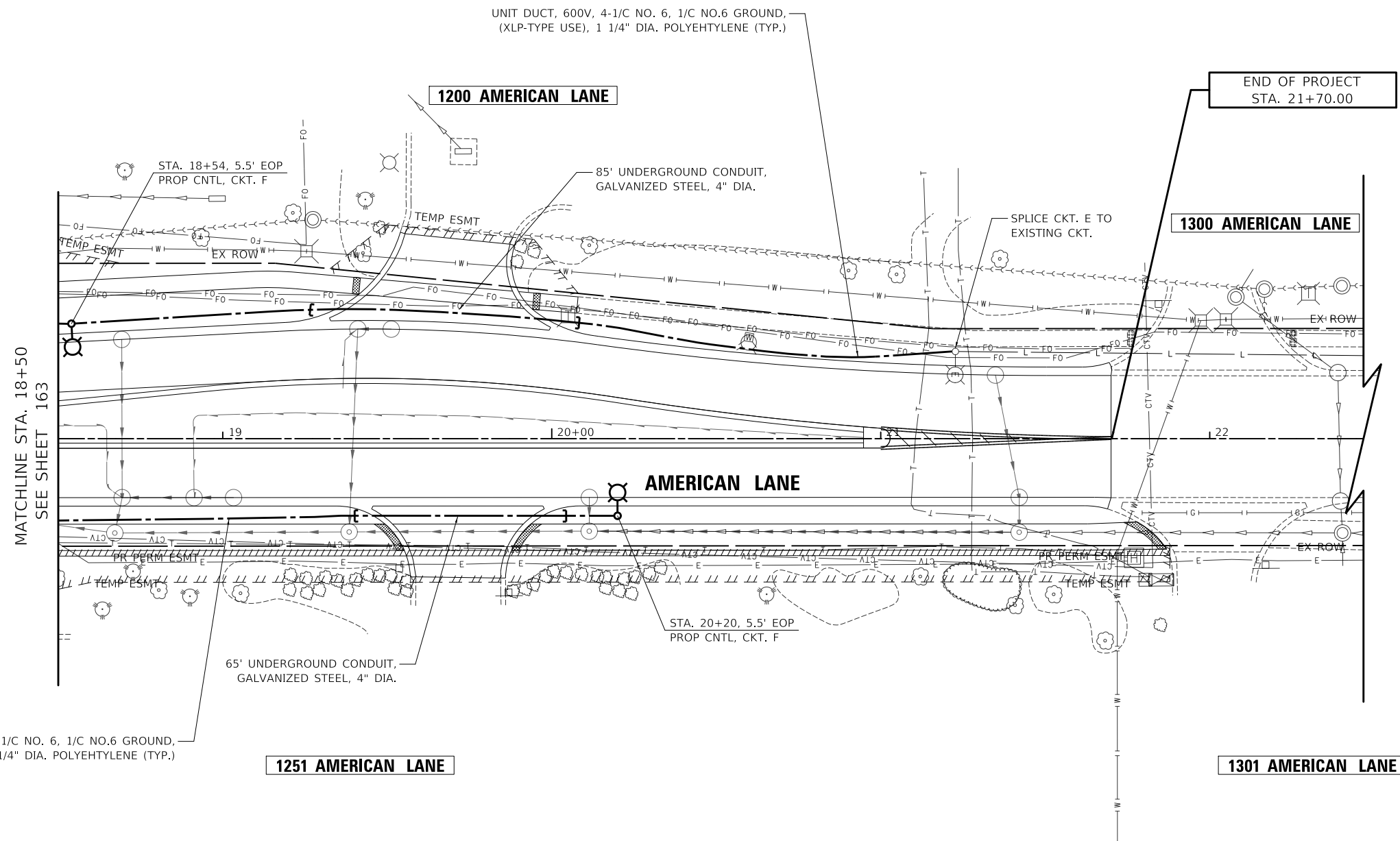
**AMERICAN LANE
PROPOSED LIGHTING**

SCALE: 1"=20' SHEET 7 OF 8 SHEETS STA. 12+00 TO STA. 16+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	166
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

NOTE

1. NO FIELD ADJUSTMENT TO LIGHT POLE LOCATIONS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE NEW LOCATION BY THE F.A.A.

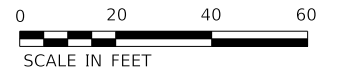


UNIT DUCT, 600V, 4-1/C NO. 6, 1/C NO.6 GROUND,
(XLP-TYPE USE), 1 1/4" DIA. POLYEHTYLENE (TYP.)

UNIT DUCT, 600V, 4-1/C NO. 6, 1/C NO.6 GROUND,
(XLP-TYPE USE), 1 1/4" DIA. POLYEHTYLENE (TYP.)

1251 AMERICAN LANE

1301 AMERICAN LANE



MODEL: \\MODELNAME
FILE: \\NAME: \\32524114810-15.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
	DRAWN - SJC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

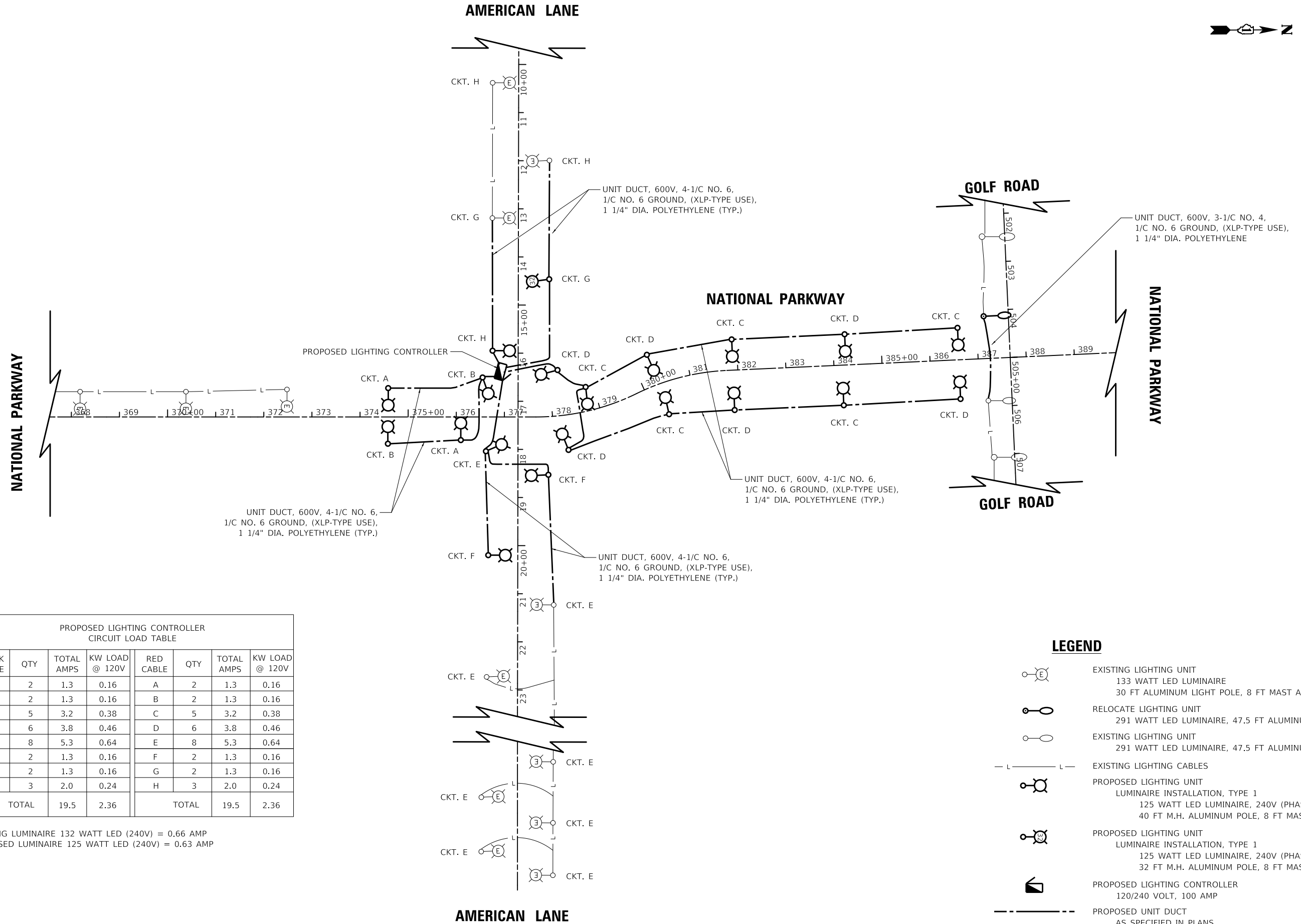
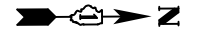
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AMERICAN LANE
PROPOSED LIGHTING**

SCALE: 1"=20' SHEET 8 OF 8 SHEETS STA. 18+00 TO STA. 22+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	167
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

AMERICAN LANE



PROPOSED LIGHTING CONTROLLER CIRCUIT LOAD TABLE							
BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V	RED CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V
A	2	1.3	0.16	A	2	1.3	0.16
B	2	1.3	0.16	B	2	1.3	0.16
C	5	3.2	0.38	C	5	3.2	0.38
D	6	3.8	0.46	D	6	3.8	0.46
E	8	5.3	0.64	E	8	5.3	0.64
F	2	1.3	0.16	F	2	1.3	0.16
G	2	1.3	0.16	G	2	1.3	0.16
H	3	2.0	0.24	H	3	2.0	0.24
TOTAL		19.5	2.36	TOTAL		19.5	2.36

EXISTING LUMINAIRE 132 WATT LED (240V) = 0.66 AMP
 PROPOSED LUMINAIRE 125 WATT LED (240V) = 0.63 AMP

LEGEND

- EXISTING LIGHTING UNIT
133 WATT LED LUMINAIRE
30 FT ALUMINUM LIGHT POLE, 8 FT MAST ARM
- RELOCATE LIGHTING UNIT
291 WATT LED LUMINAIRE, 47.5 FT ALUMINUM POLE
- EXISTING LIGHTING UNIT
291 WATT LED LUMINAIRE, 47.5 FT ALUMINUM POLE
- EXISTING LIGHTING CABLES
- PROPOSED LIGHTING UNIT
LUMINAIRE INSTALLATION, TYPE 1
125 WATT LED LUMINAIRE, 240V (PHASE TO PHASE)
40 FT M.H. ALUMINUM POLE, 8 FT MAST ARM
- PROPOSED LIGHTING UNIT
LUMINAIRE INSTALLATION, TYPE 1
125 WATT LED LUMINAIRE, 240V (PHASE TO PHASE)
32 FT M.H. ALUMINUM POLE, 8 FT MAST ARM
- PROPOSED LIGHTING CONTROLLER
120/240 VOLT, 100 AMP
- PROPOSED UNIT DUCT
AS SPECIFIED IN PLANS

AMERICAN LANE

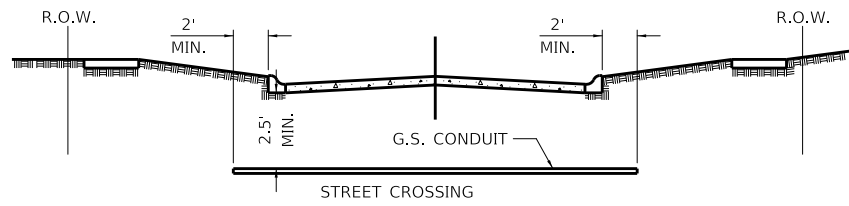
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
LIGHTING PLANS - PROPOSED WIRING DIAGRAM

USER NAME = djk	DESIGNED - SJC	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DNM	REVISED -
	DATE - 8/04/2022	REVISED -

SCALE: N.T.S	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 168
						CONTRACT NO. 61J04	
						ILLINOIS FED. AID PROJECT	

MODEL: \\MODEL\NAME: FILE: \\NAME: ...32525414-10-16.dgn

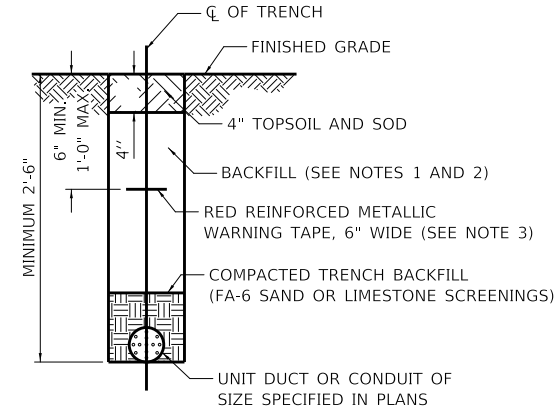


- ① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
- ② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF CURB.
- ④ LOCATION OF CONDUIT CROSSING SHALL BE MARK ON CURBS WITH ARROWS.

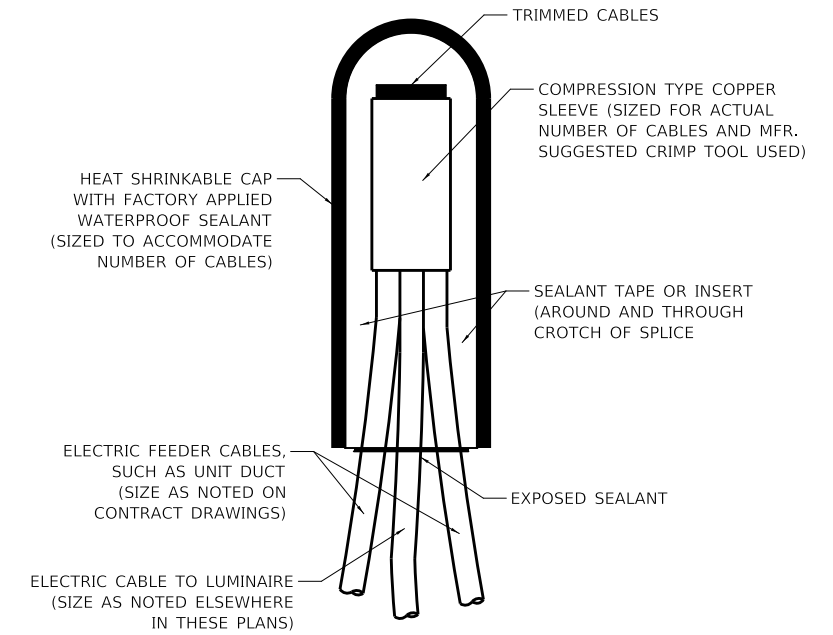
ELECTRICAL CONDUIT UNDER PAVEMENT

NOTES:

1. IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
2. TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
3. WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
4. ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.
5. MINIMUM UNIT DUCT AND CONDUIT DEPTH IS 30". NOTIFY RESIDENT ENGINEER AND VILLAGE ENGINEER WITH CONFLICTS.

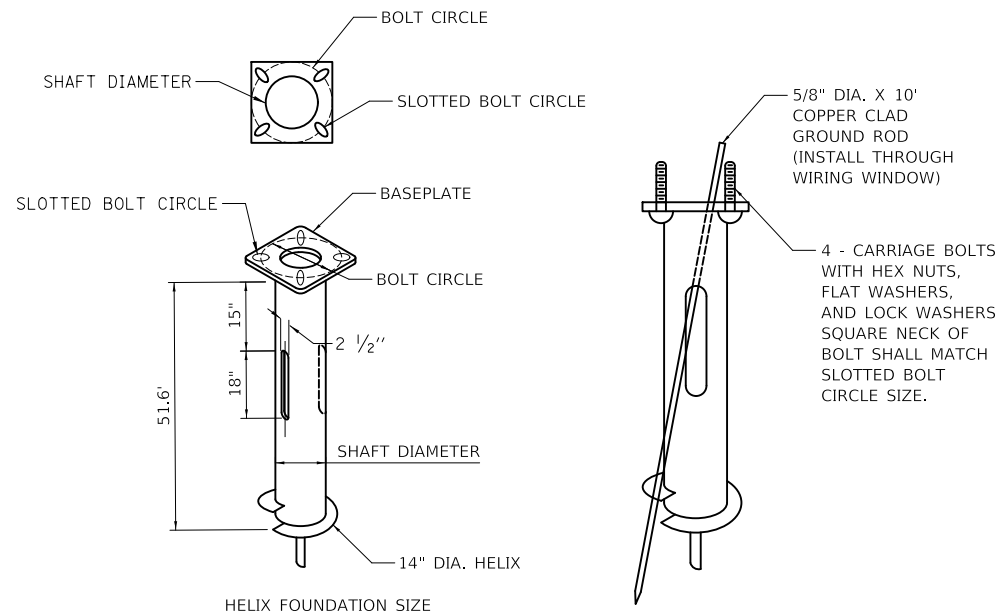


TYPICAL TRENCH CROSS SECTION



NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

SPLICING ELECTRIC CABLES BASIC MATERIALS AND METHODS



POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
≤ 30 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
31 FT. - 35 FT.	11½"	8⅝"	6 FT.	12" X 12" X 1"
36 FT. - 40 FT.	15"	8⅝"	6 FT.*	15" X 15" X 1½"
41 FT. - 45 FT.	15"	8⅝"	6 FT.	15" X 15" X 1½"
46 FT. - 50 FT.	15"	10"	8 FT.	15" X 15" X 1½"

* FOR TWIN LUMINAIRES THE SHAFT LENGTH WILL BE 8 FT.

NOTES FOR METAL FOUNDATION

1. METAL FOUNDATION SHALL BE THE FOUNDATION USED FOR ALL LIGHTING AND DECORATIVE LIGHTING UNITS UNLESS CONDITIONS IN THE FIELD MAKES IT IMPOSSIBLE TO USE METAL FOUNDATIONS, THEN AN OFFSET FOUNDATION SHALL BE USED WITH ENGINEER APPROVAL.
2. ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN ¼" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. FABRICATE TWO SLOTS IN THE SHAFT AT 180 DEGREE FOR UNIT DUCTS AND CABLES ENTERING AND LEAVING THE POLE FOUNDATION.
5. BASEPLATES NEED TO BE MARKED PROPERLY WHERE RACEWAY OPENINGS ARE LOCATED. FOUNDATION WILL BE REJECTED IF TOP PLATE IS NOT OR IMPROPERLY MARKED.
6. HELIX FOUNDATION SHALL BE INSTALLED VERTICAL AND THE BASEPLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
7. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
8. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASEPLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
9. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
10. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
11. GROUND ROD, 5/8" DIA. X 10", THROUGH FOUNDATION WILL BE REQUIRED AND INCLUDED ON ALL LIGHT POLE FOUNDATIONS INCLUDING METAL FOUNDATIONS.

11. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB. METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
12. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (∠ 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (∠ 0.188) TO THE SHAFT AXIS.
13. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (∠ 0.125) AND IN LINE (∠ 2°).
14. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.
15. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

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

POLE FOUNDATION METAL

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

MODEL: 4100ELNAMES FILE NAME: 0325252414-100117.dgn

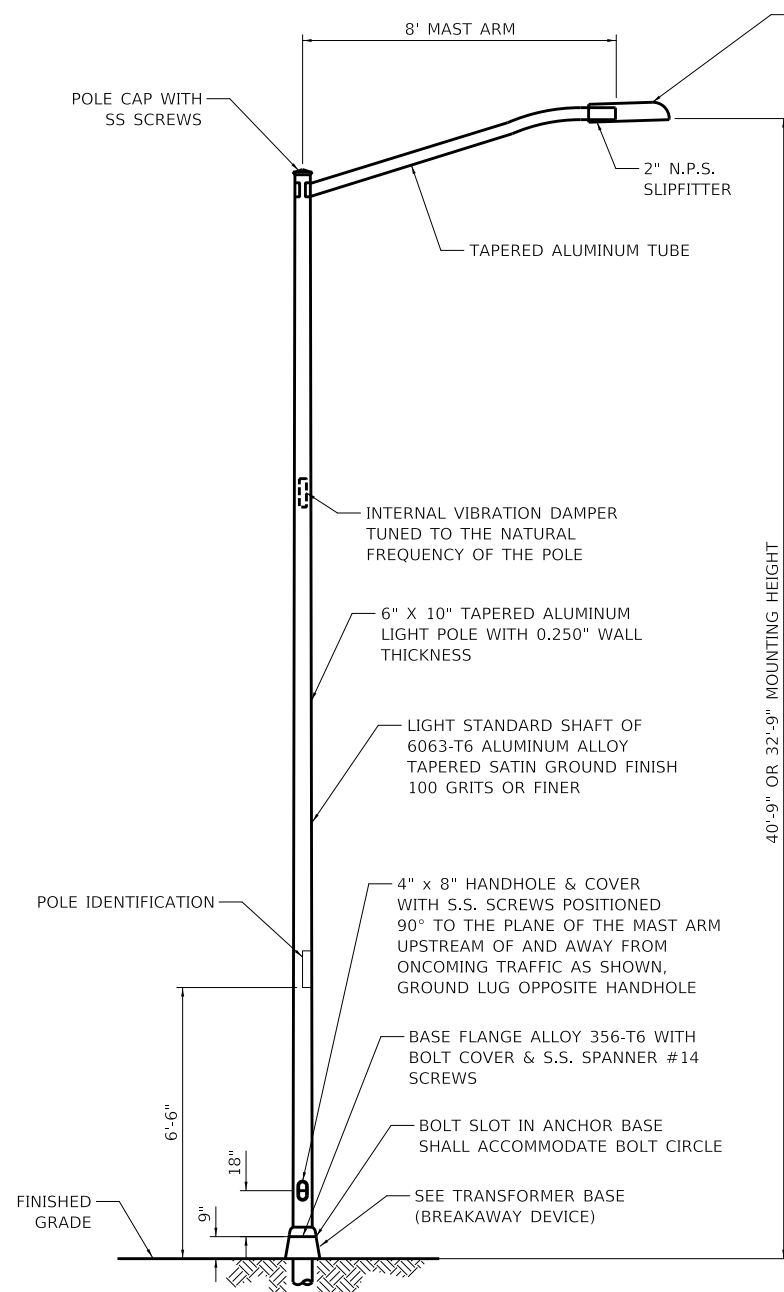
USER NAME = djk	DESIGNED - SJC	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DNM	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
LIGHTING DETAILS**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

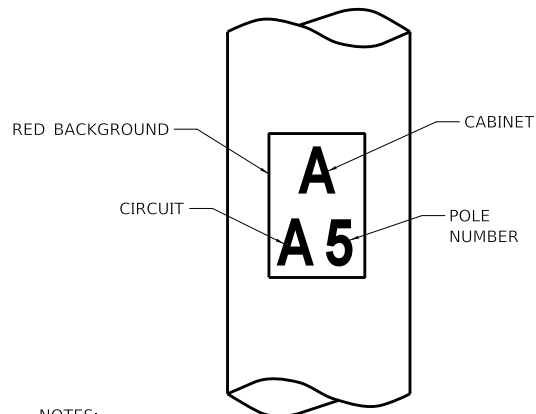
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	169
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



NOTES:

- HEAT TREATMENT SHALL BE APPLIED AFTER WELDING.
- DESIGN AND FABRICATION OF THE POLE SHAFT, ARMS, TENONS, AND ATTACHMENTS SHALL BE ACCORDING TO AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" CURRENT AT THE TIME THE PROJECT IS ADVERTISED.
- POLES AND ARMS SHALL BE BUILT TO TOLERANCES THAT WILL ALLOW CONSISTENT INTERCHANGIBILITY TO FACILITATE REPLACEMENT OF ARMS AND POLES.
- A DECAL COMPLYING WITH THE ANSI STANDARD SHALL BE PERMANENTLY ATTACHED TO THE LUMINAIRE AT THE FACTORY. THE DECK SHALL ALLOW A VIEWER AT GROUND LEVEL TO IDENTIFY THE WATTAGE AND LUMINAIRE PHOTOMETRIC DISTRIBUTION.

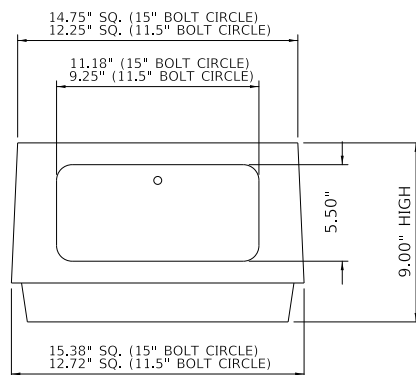
LIGHTING UNIT
(NOT TO SCALE)



NOTES:

- 2" HIGH WHITE LETTERS SCREENED ON A 4" X 6" RED, PRESSURE SENSITIVE AND REFLECTIVE BACKGROUND. INSTALL ONLY WHEN AIR TEMPERATURE IS AT LEAST FIFTY DEGREES FAHRENHEIT.
- THE CONTRACTOR SHALL COORDINATE LIGHT POLE AND CONTROLLER IDENTIFICATION NUMBERS WITH THE VILLAGE PRIOR TO CONSTRUCTION.

POLE IDENTIFICATION

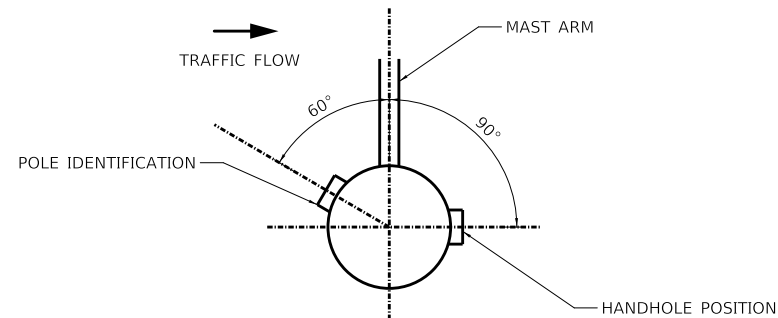


NOTES:

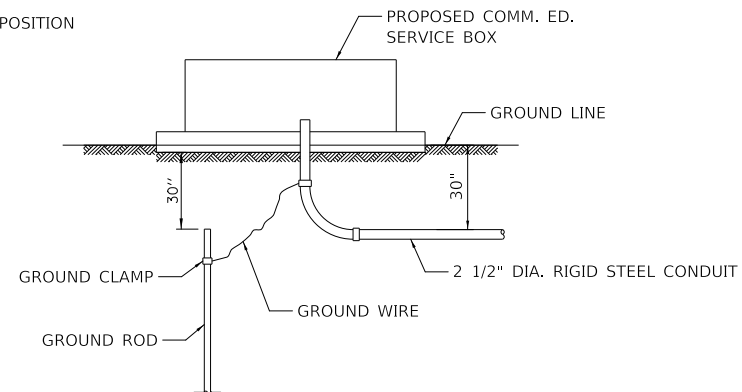
- HARDWARE: CARRIAGE BOLTS SHALL BE USED WITH FLAT WASHER, LOCK WASHER, AND NUTS. NO THREADED ROD ALLOWED.
- GROUNDING: AREA WHERE THE GROUND WIRE ATTACHES TO TRANSFORMER BASE MUST BE SCRATCHED TO ENSURE EFFECTIVE BONDING.

TRANSFORMER BASE
(BREAKAWAY DEVICE)

(MEET CURRENT AASHTO REQUIREMENTS)

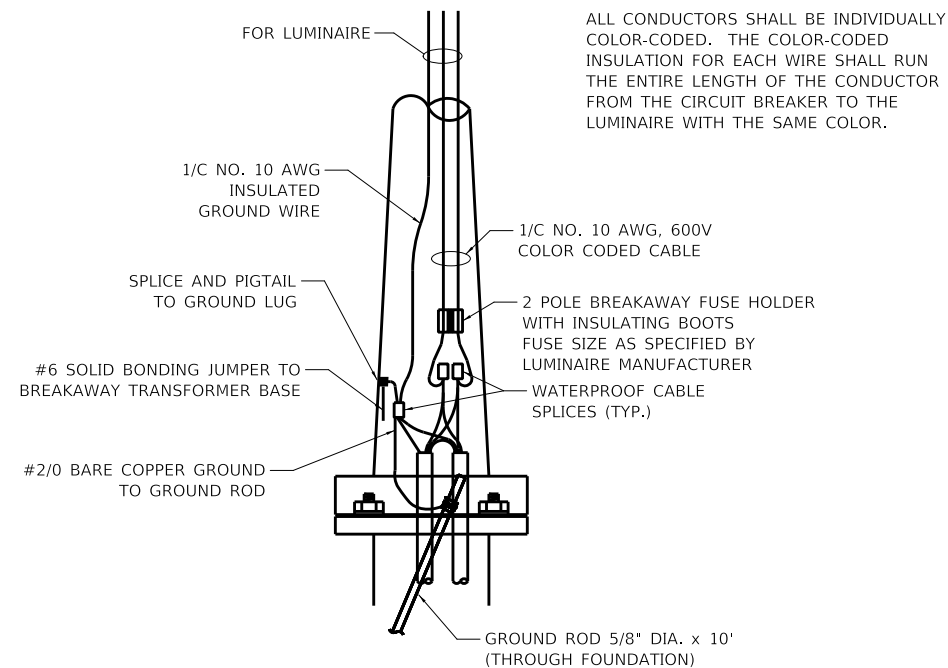


POSITION OF HANDHOLE AND POLE IDENTIFICATION



PROPOSED SERVICE INSTALLATION

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



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

ROADWAY POLE HANDHOLE WIRING DIAGRAM

MODEL NAME: 18-600
FILE NAME: 18-600.dwg

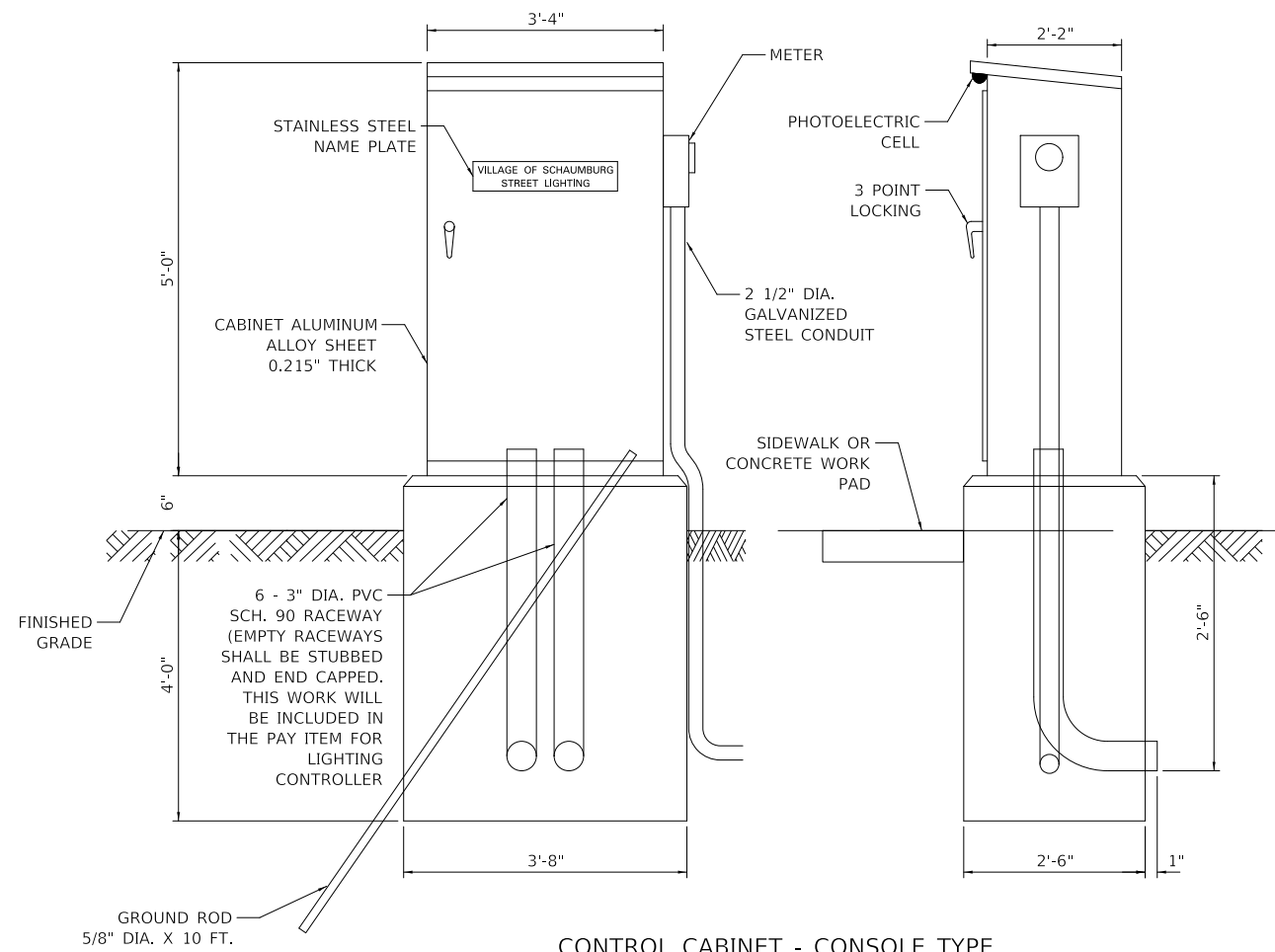
USER NAME = djk	DESIGNED - SJC	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DNM	REVISED -
	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
LIGHTING DETAILS

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	170
				CONTRACT NO. 61J04
ILLINOIS FED. AID PROJECT				



CONTROL CABINET - CONSOLE TYPE

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

NOTES FOR CONTROL CABINET:

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

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

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

PROVIDE SEALING GROMMETS FOR ALL WIRING EXTENDING FROM DEVICE ENCLOSURES.

ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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

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

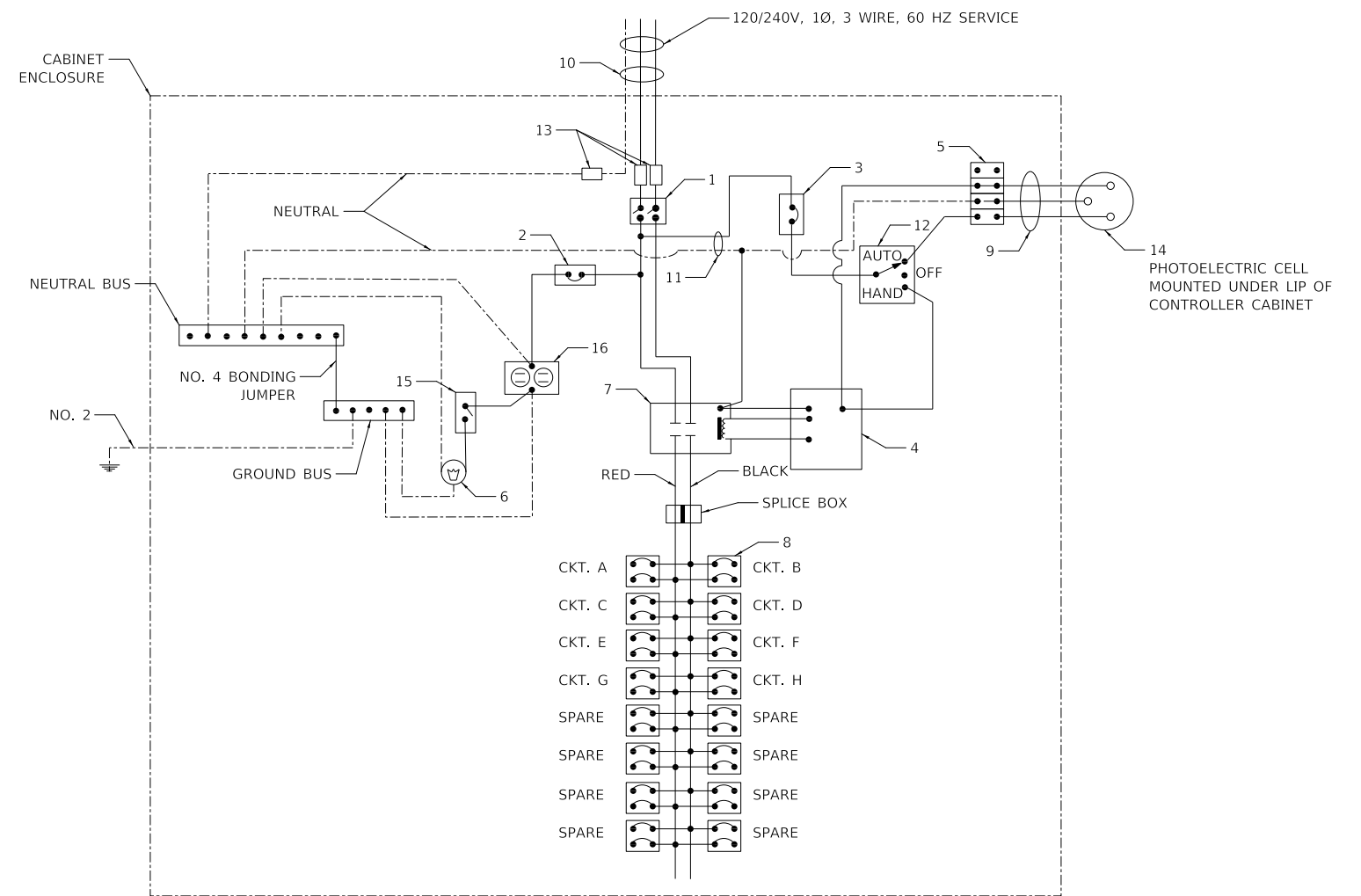
A CONCRETE PAD 36" X 60" X 4" MINIMUM SIZE SHALL BE PLACED IN FRONT OF CONTROLLER CABINET DOOR WHEN THERE IS NO SIDEWALK. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.

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

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

THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.

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



PANEL WIRING DIAGRAM

MODEL NAME: 1103
FILE NAME: 16-00127-03-PV.dgn

USER NAME = djk	DESIGNED - SJC	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - SJC	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DNM	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
LIGHTING DETAILS**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

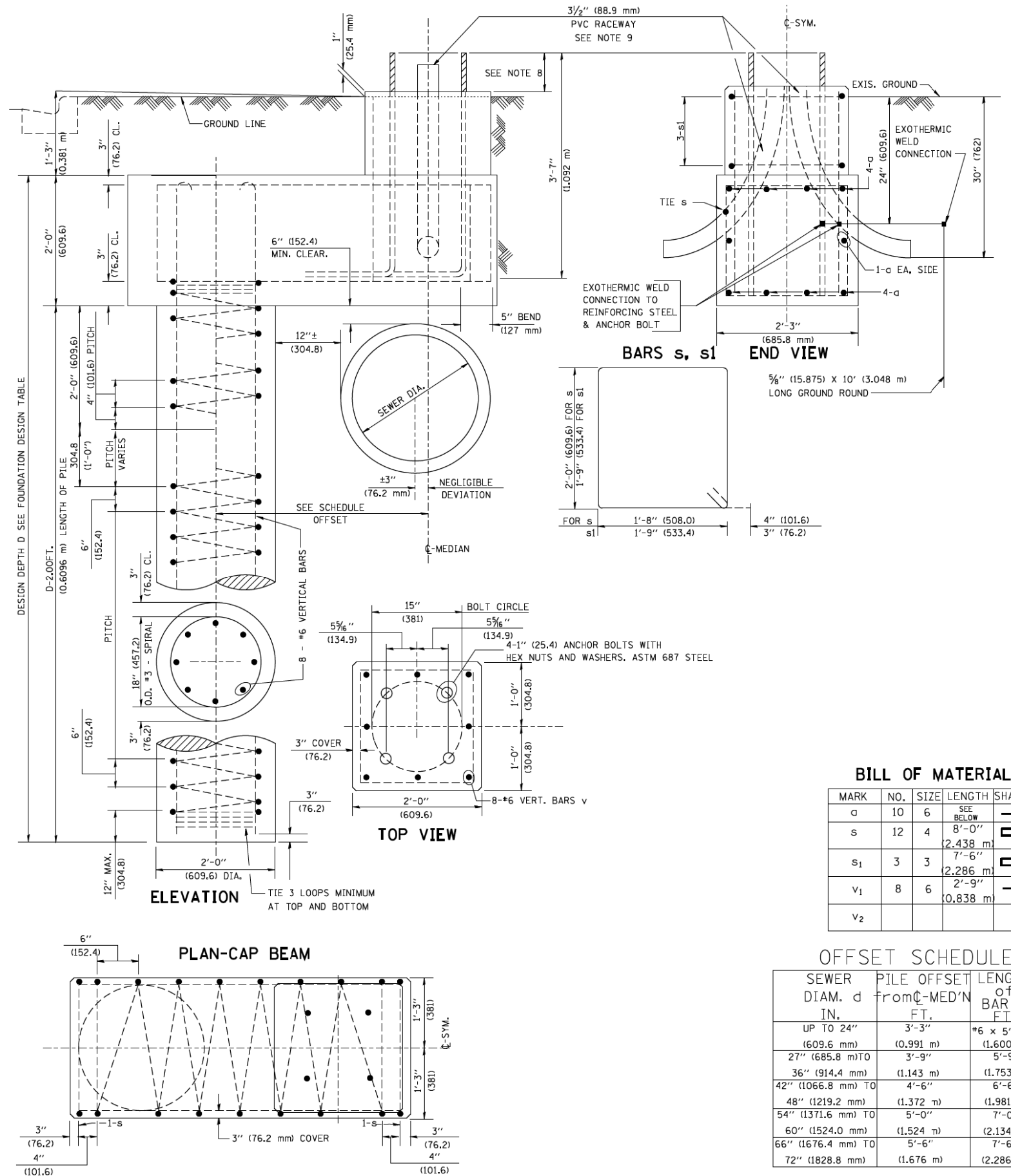
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	171
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s ₁	3	3	7'-6" (2.286 m)	□
v ₁	8	6	2'-9" (0.838 m)	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET FROM C-MED'N FT.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
42" (1066.8 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
48" (1219.2 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
54" (1371.6 mm) TO		
60" (1524.0 mm) TO		
66" (1676.4 mm) TO		
72" (1828.8 mm) TO		

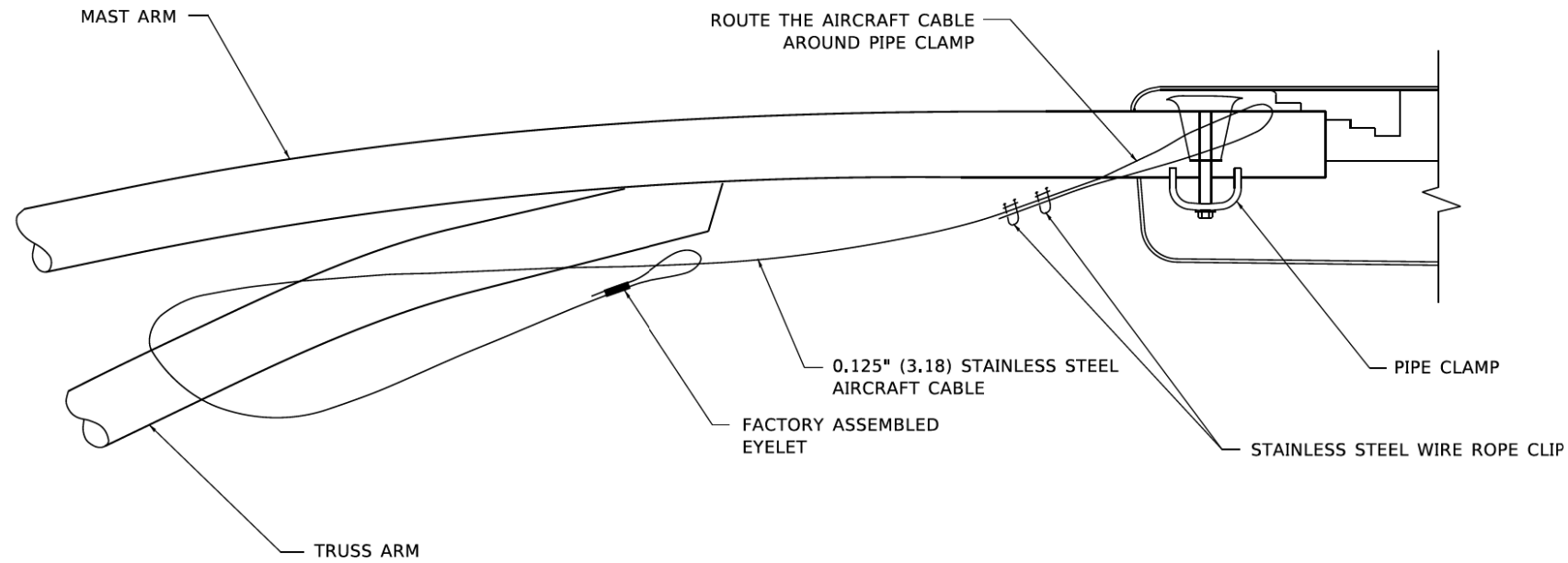
FILE NAME = K:\dststd22x34\be310.dgn	USER NAME = bouerd1	DESIGNED -	REVISED - 06-16-08 R. TOMSONS
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

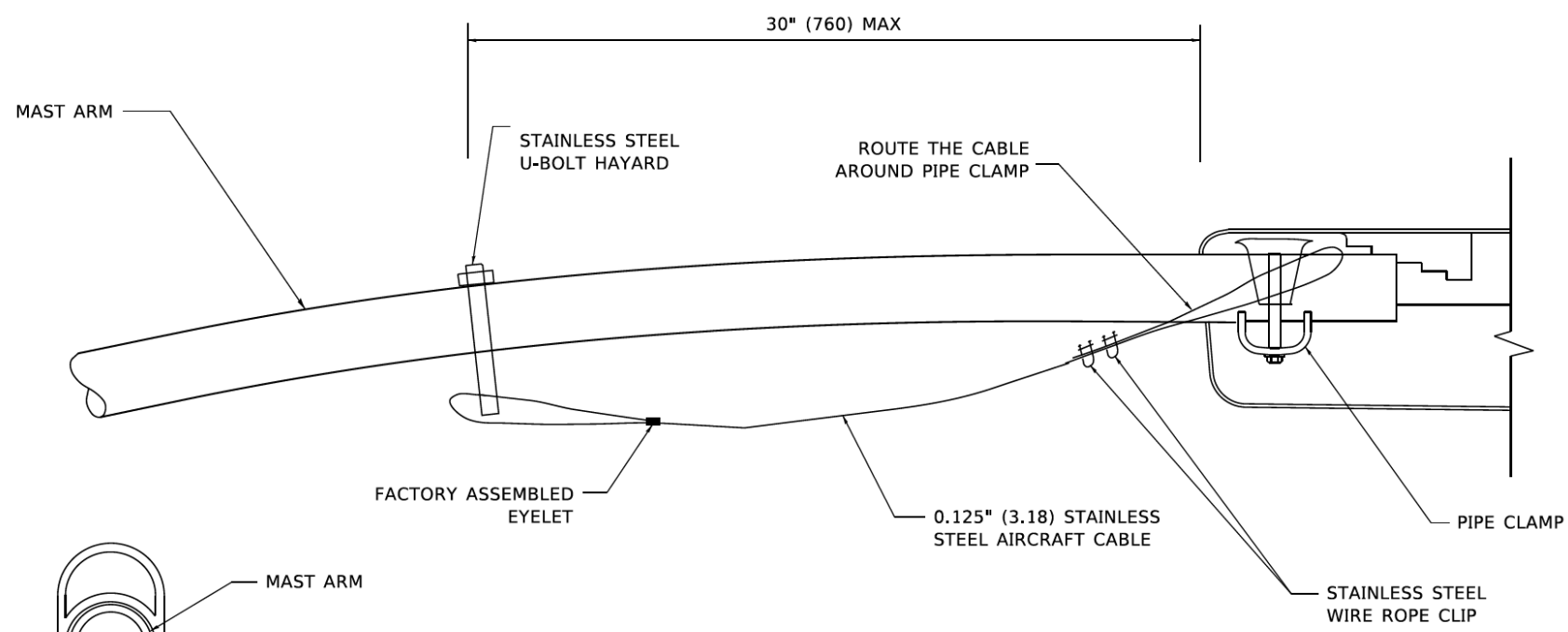
LIGHT POLE FOUNDATION OFFSET
40" (12.192 m) TO 47 1/2" (14.478 m) M.H.
15" (381 mm) BOLT CIRCLE

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

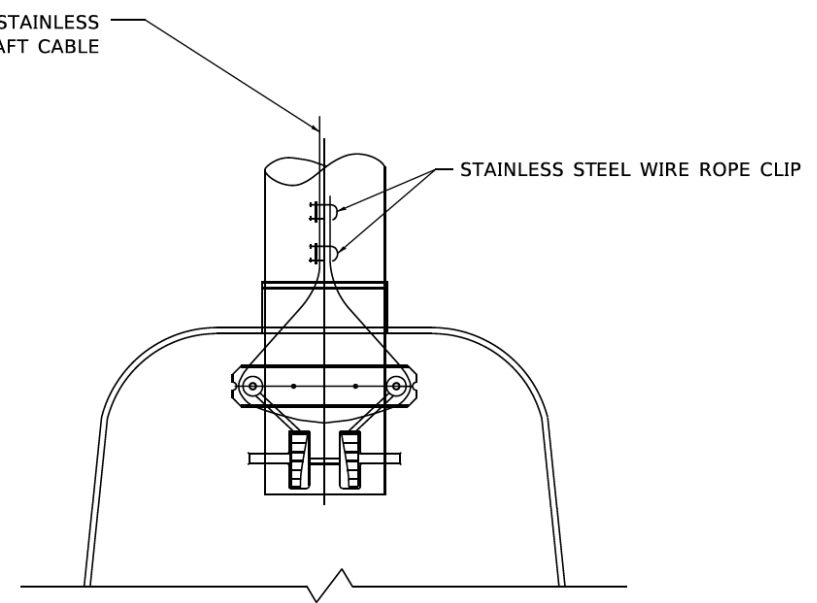
F.A.U. R.I.L.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-01-PV	COOK	242	172
BE-310		CONTRACT NO. 61104		
ILLINOIS FED. AID PROJECT				



SIDE VIEW (TRUSS ARM)
N.T.S.



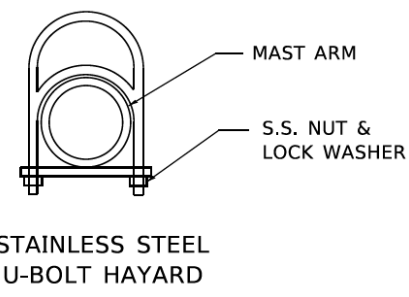
SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.



MODEL: Default
 FILE: I:\MMS\Projects\WIDOT\Documents\DOT_office\idirect\1\Projects\IDHS\22\231CADD\DATA\CAD\beets\be701.dgn

USER NAME = footem	DESIGNED -	REVISED - 08-08-03
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY

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

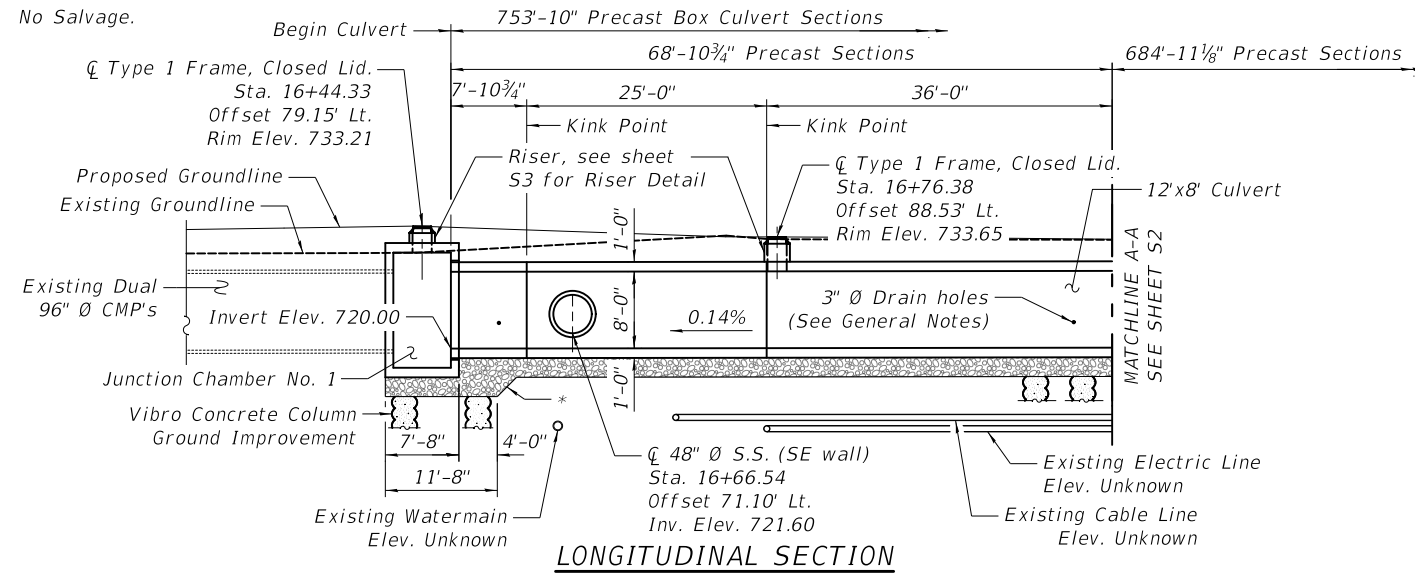
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-01-PV	COOK	242	173
BE-701		CONTRACT NO. 61J04		
ILLINOIS FED AID PROJECT				

Benchmark: O.S.B.M. #16-2, Schaumburg Mon #1160 - Alum. Disc on SE Corner of American Lane & National Parkway. Navd '88 Elevation 731.36

Existing Structure: The existing culvert was built in 1977 and consists of dual 96" CMP's, transition chambers and a segment of an 8'-7" x 13'-11" pipe arch.

Maintenance of Traffic: Traffic will be detoured during construction.

No Salvage.



Note:
*1:1 Slope
(Looking Northwest, Unfolded)
Dimensions measured along \bar{C} Culvert
All stations and offsets measured along \bar{C} American Lane

GENERAL NOTES

- The design fill height for this box is 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
- Drain holes shall be provided on exterior culvert walls for each precast box segment. The drain hole shall be located within $\frac{1}{3}$ of the clear rise of the box culvert, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- Stations and offsets shown are relative to the \bar{C} American Lane, unless noted otherwise.
- Type 1 Frame, Closed Lid and Riser to be included in the cost of Precast Concrete Box Culverts.
- The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide externally sealed band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.
- The locations of the existing culvert to be connected to at Junction Chamber No. 1 and Junction Chamber No. 2 shall be exposed and field verified prior to the preparation of shop drawings for the junction chambers and precast box culvert. The survey information shall be provided to the Engineer for acceptance. Cost included with the associated pay items, Junction Chamber No.1, Junction Chamber No. 2, and Precast Concrete Box Culvert.

INDEX OF SHEETS

- S1 General Plan & Longitudinal Section I
- S2 General Plan & Longitudinal Section II
- S3 General Plan & Longitudinal Section III
- S4 General Plan & Longitudinal Section IV
- S5 Junction Chamber No. 1
- S6 Junction Chamber No. 2
- S7 Retaining Wall
- S8 Soil Boring Logs I
- S9 Soil Boring Logs II
- S10 Soil Boring Logs III
- S11 Soil Boring Logs IV
- S12 Soil Boring Logs V
- S13 Soil Boring Logs VI

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th edition

LOADING HL-93

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

DESIGN STRESSES

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded wire fabric)
 $f_y = 60,000$ psi (Reinforcement)

CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.



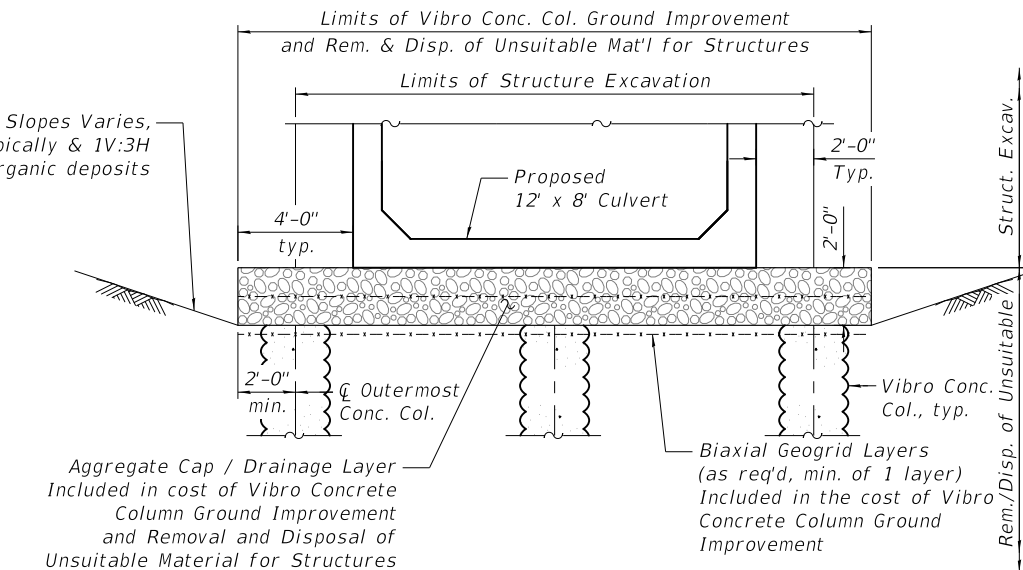
GREGORY J. HATLESTAD, S.E.
081-005562

EXP 11-30-2022

DATE 08-08-2022

I certify that to the best knowledge, information and belief, this box culvert and retaining wall design is structurally adequate for the design loading shown on the plans. This design is an economical one for the style of the structure and complies with the requirements of the current AASHTO LRFD Bridge Design Specifications.

**GENERAL PLAN & LONGITUDINAL SECTION
NATIONAL PARKWAY, F.A.U. RTE 1103
AND AMERICAN LANE
SECTION 16-00127-03-PV
COOK COUNTY**



VIBRO CONCRETE COLUMN GROUND IMPROVEMENT TYPICAL SECTION

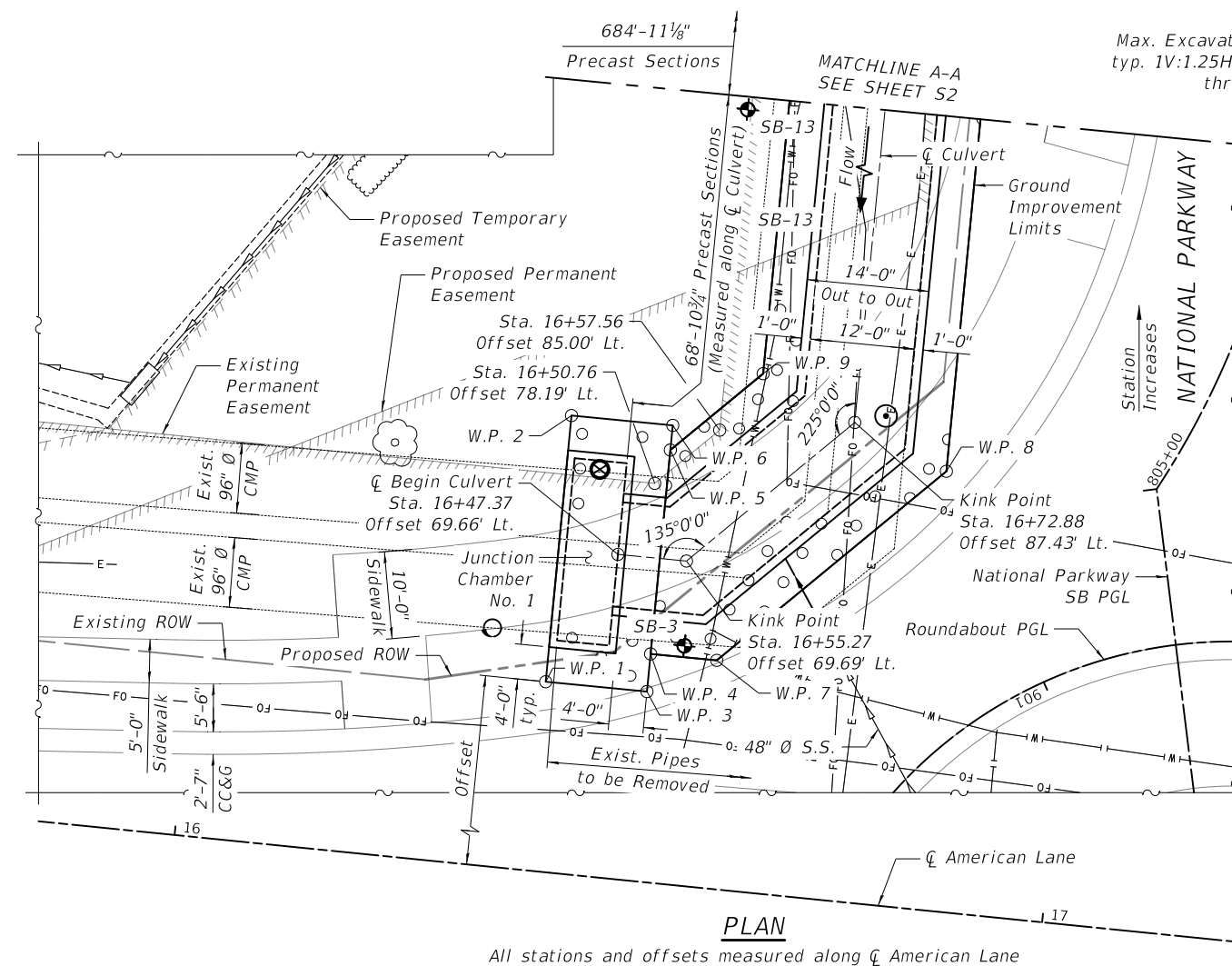
GROUND IMPROVEMENT TABLE

Item	Sta.	Offset
W.P. 1	16+40.59	54.30' Lt.
W.P. 2	16+40.48	84.97' Lt.
W.P. 3	16+52.26	54.34' Lt.
W.P. 4	16+52.24	58.68' Lt.
W.P. 5	16+52.16	82.17' Lt.
W.P. 6	16+52.15	85.01' Lt.
W.P. 7	16+59.86	58.70' Lt.
W.P. 8	16+83.90	82.91' Lt.
W.P. 9	16+61.87	91.95' Lt.

All stations and offsets measured along \bar{C} American Lane

LEGEND

- FO - FC Existing Fiber Optic
- Existing Storm Sewer
- Existing Water Main
- Existing Electric
- Proposed Water Main
- Proposed Aerial
- Proposed Storm Sewer Work Point



PLAN
All stations and offsets measured along \bar{C} American Lane

10/06/2022 10:06:37 AM c:\bms\civiltech-pw\justin.greene\dms5443\01\GPL S.National.Ldgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

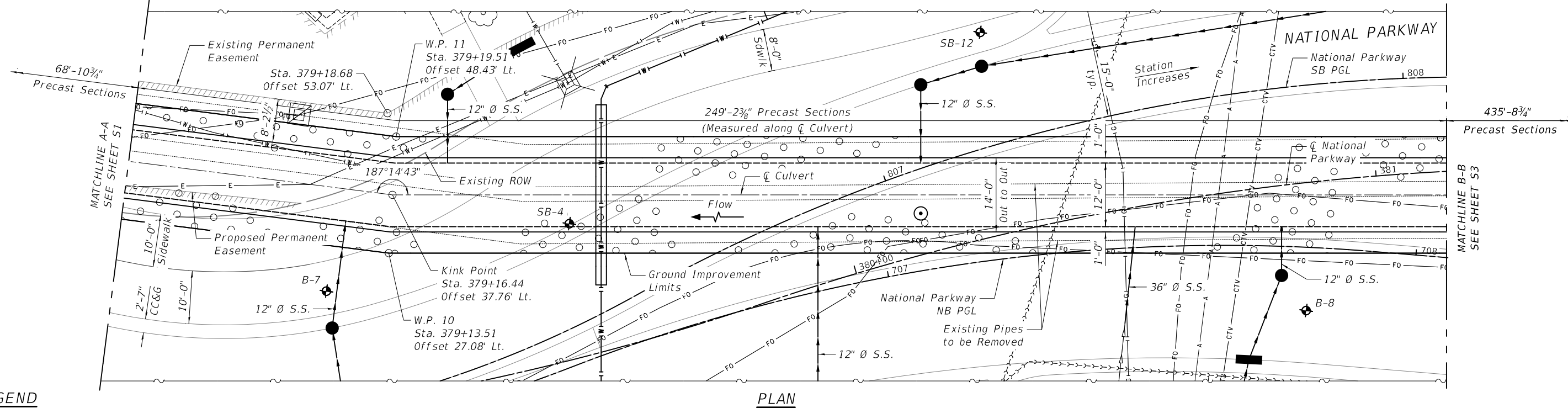
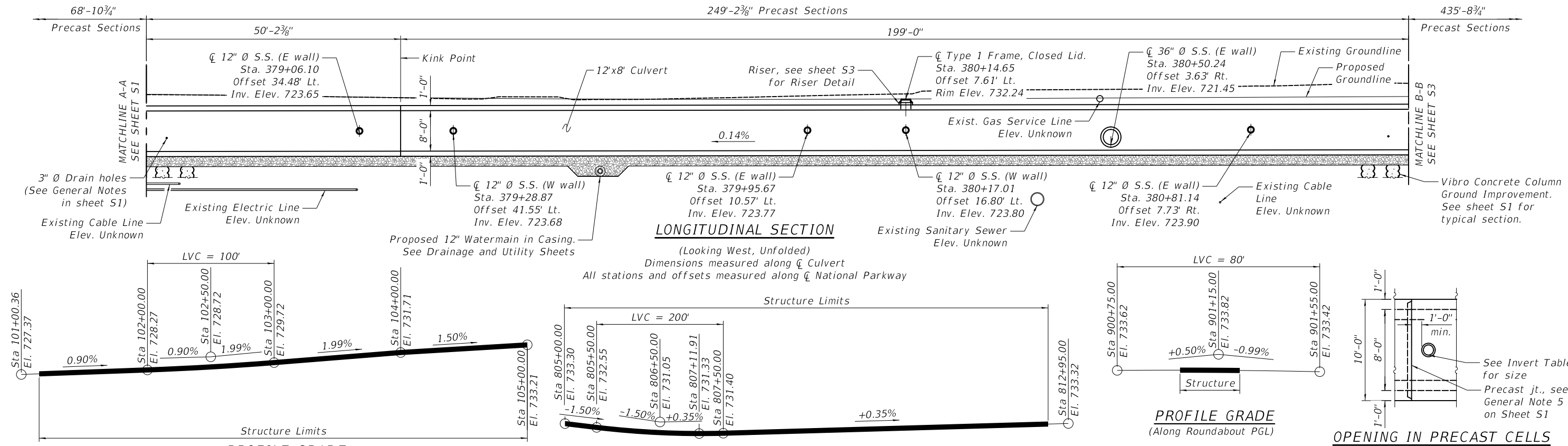
DRAWN - JAL	REVISED -
DESIGNED - JAL	REVISED -
CHECKED - GJH	REVISED -
DATE - \$DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND LONGITUDINAL SECTION I
AMERICAN LANE / NATIONAL PARKWAY**

SHEET NO. S1 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	174
CONTRACT NO. 61104				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

	Soil Boring
	Existing Fiber Optic
	Existing Gasline
	Existing Water Main
	Existing Electric
	Existing Underground Cable
	Existing Sanitary Sewer
	Proposed Water Main
	Proposed Aerial
	Proposed Storm Sewer

**GENERAL PLAN &
LONGITUDINAL SECTION
NATIONAL PARKWAY, F.A.U. RTE 1103
AND AMERICAN LANE
SECTION 16-00127-03-PV
COOK COUNTY**

2/22/23 2:22:37 PM c:\bms\civiltech-pw\david.krueger\dms15443\02_GPLS_NationalIll.dgn

Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

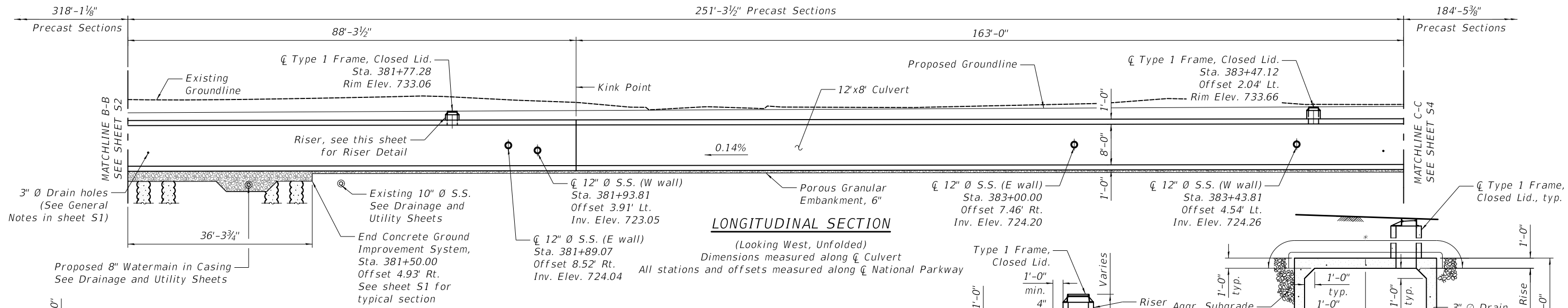
DRAWN	- JAL	REVISED	-
DESIGNED	- JAL	REVISED	-
CHECKED	- GJH	REVISED	-
DATE	- \$DATE	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND LONGITUDINAL SECTION II
AMERICAN LANE / NATIONAL PARKWAY**

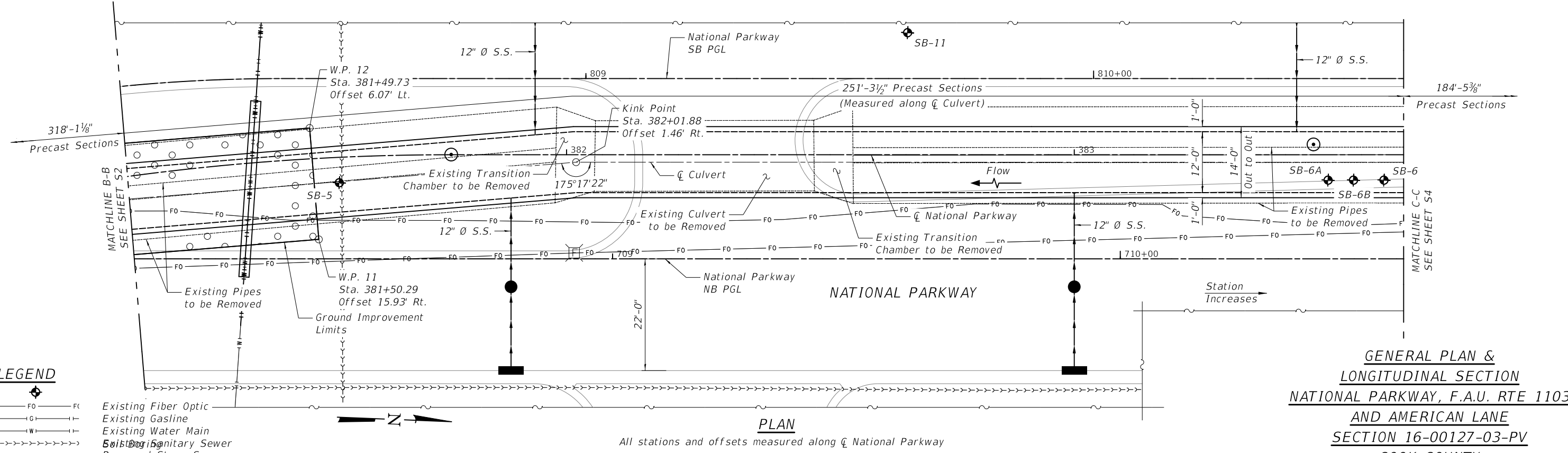
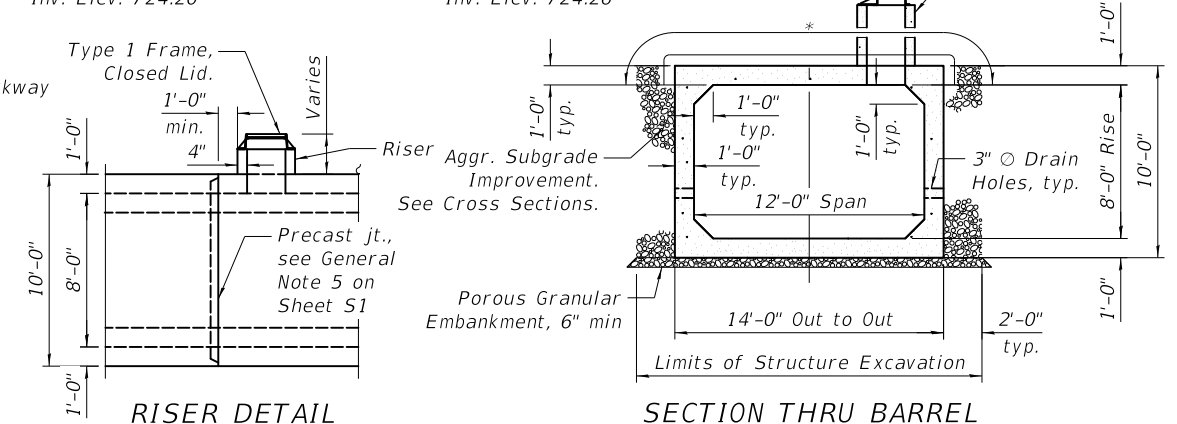
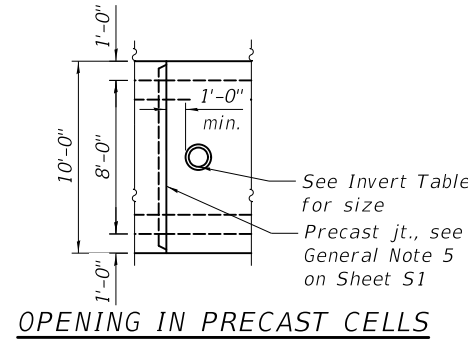
SHEET NO. S2 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	175
CONTRACT NO. 61104				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	137
Pipe Culvert Removal	Foot	1,452
Structure Excavation	Cu. Yd.	5,447
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	597
Temporary Sheet Piling	Sq. Ft.	1,074
Precast Concrete Box Culverts 12'x8'	Foot	754
Membrane Waterproofing for Buried Structures	Sq. Yd.	1,341
Junction Chamber No. 1	Each	1
Junction Chamber No. 2	Each	1
Drainage Structure to be Removed	Each	3
Vibro Concrete Column Ground Improvement	L. Sum	1



LEGEND

- Existing Fiber Optic
- Existing Gasline
- Existing Water Main
- Existing Sanitary Sewer
- Proposed Storm Sewer

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND LONGITUDINAL SECTION III
AMERICAN LANE / NATIONAL PARKWAY**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	176
CONTRACT NO. 61104				

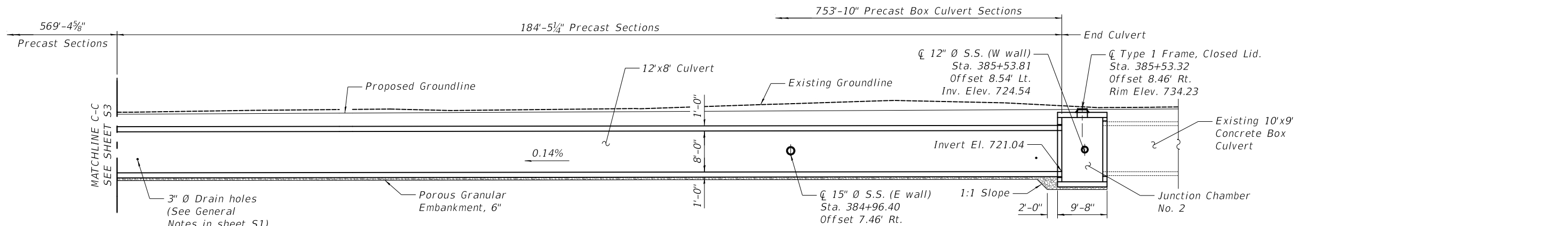
SHEET NO. S3 OF S13 SHEETS

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

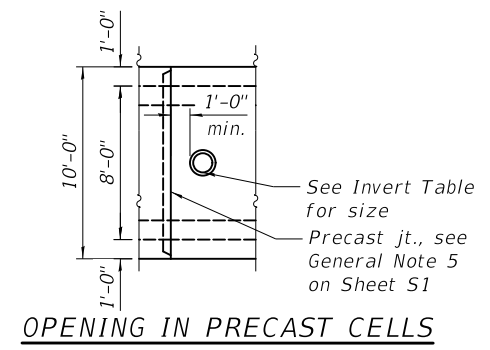
01/10/2022 2:22:41 PM c:\bms\civiltech-pw\david.krueger\dms5443\03_GPLS_NationalIll.dgn

Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DRAWN - JAL	REVISED -
DESIGNED - JAL	REVISED -
CHECKED - GJH	REVISED -
DATE - \$DATE	REVISED -

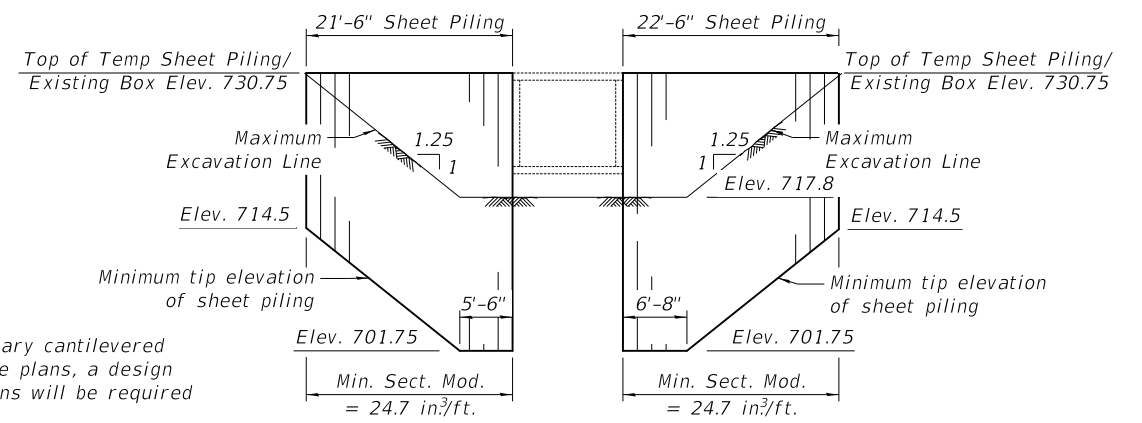


LONGITUDINAL SECTION
 (Looking West, Unfolded)
 Dimensions measured along \bar{C} Culvert
 All stations and offsets measured along \bar{C} National Parkway

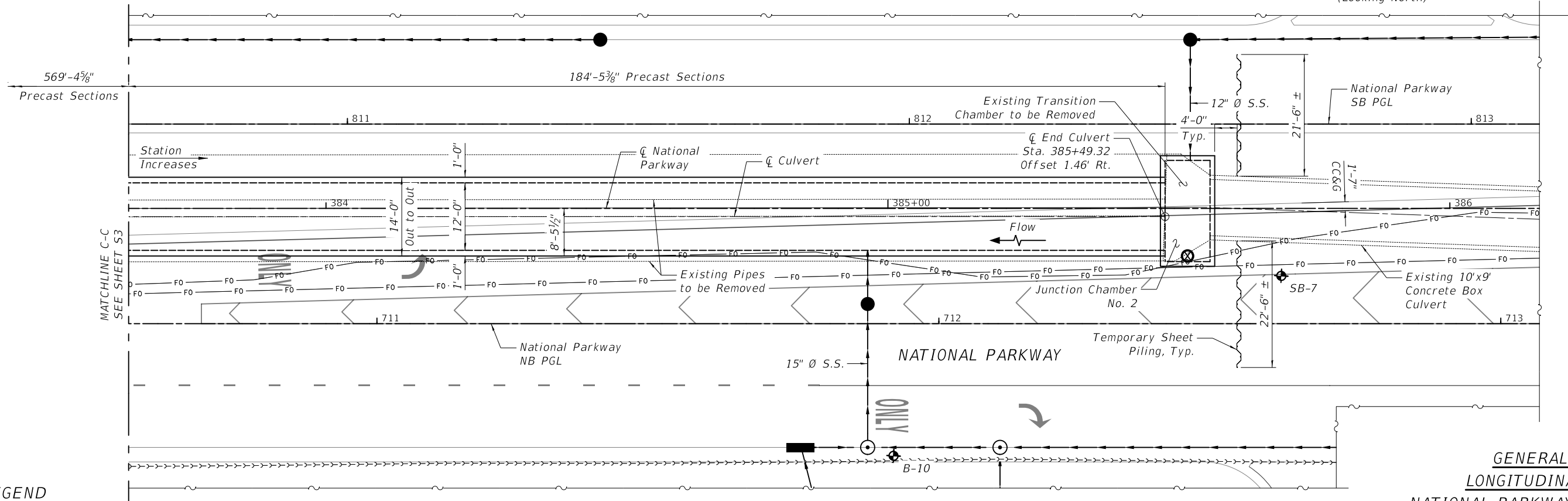


OPENING IN PRECAST CELLS

Note:
 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.



TEMPORARY SHEET PILING DETAIL
 (Looking North)



PLAN
 All stations and offsets measured along \bar{C} National Parkway

GENERAL PLAN & LONGITUDINAL SECTION
NATIONAL PARKWAY, F.A.U. RTE 1103
AND AMERICAN LANE
SECTION 16-00127-03-PV
COOK COUNTY

LEGEND

- Soil Boring
- Existing Fiber Optic
- Existing Gasline
- Existing Sanitary Sewer
- Proposed Storm Sewer

Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DRAWN - JAL	REVISED -
DESIGNED - JAL	REVISED -
CHECKED - GJH	REVISED -
DATE - \$DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

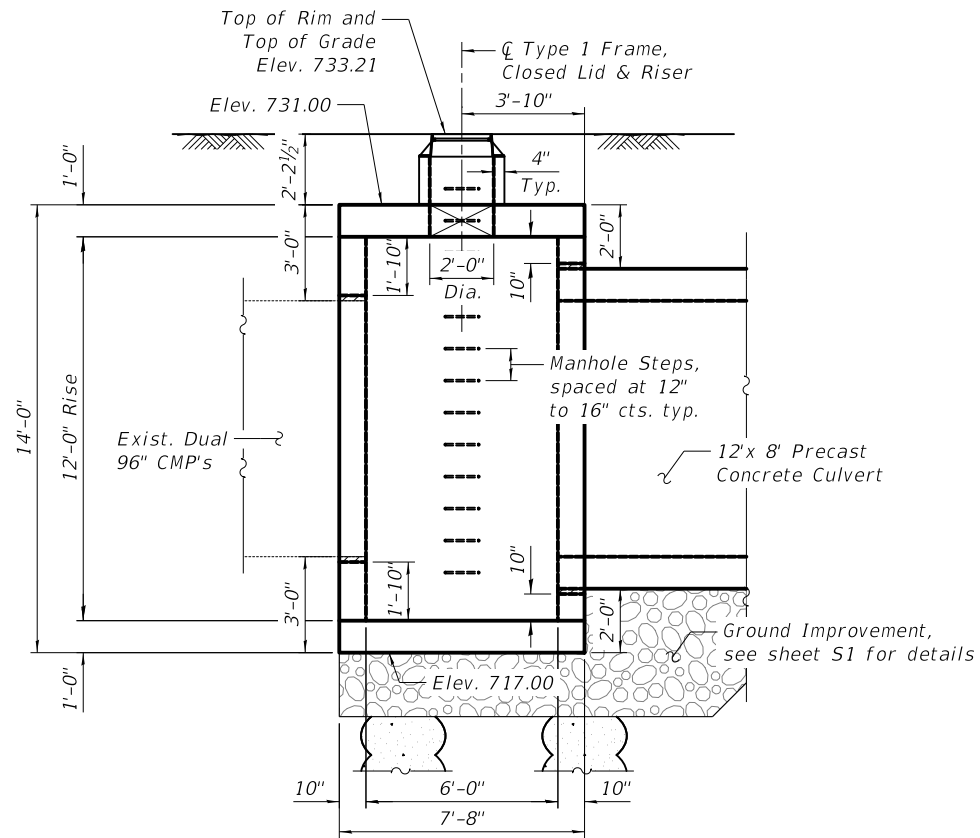
GENERAL PLAN AND LONGITUDINAL SECTION IV
AMERICAN LANE / NATIONAL PARKWAY

SHEET NO. S4 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	177
CONTRACT NO. 61104				

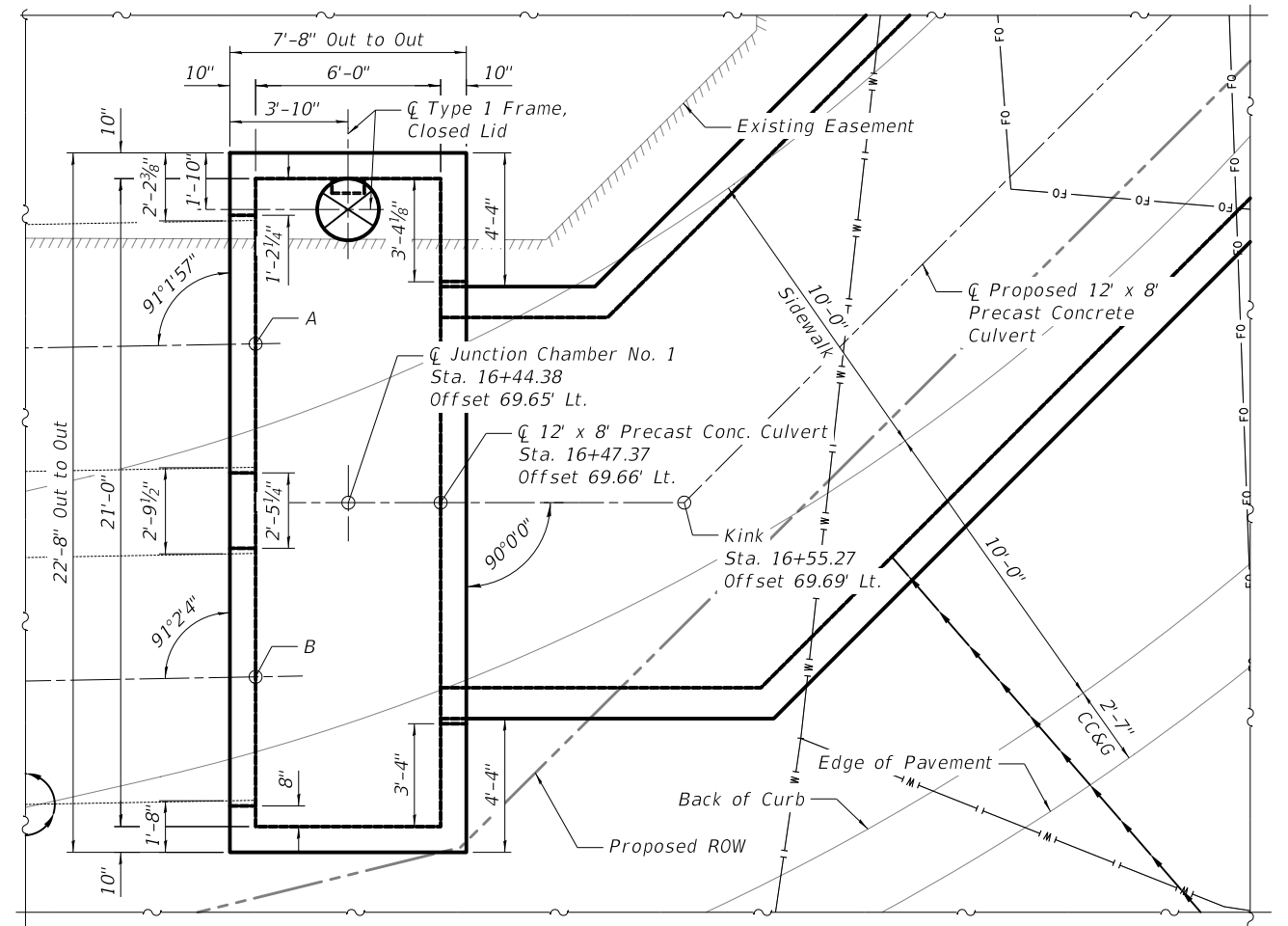
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

2/22/2022 2:22:44 PM c:\bms\civiltech-fw\david.krueger\dms5443\04_GPLS_NationalIV.dgn

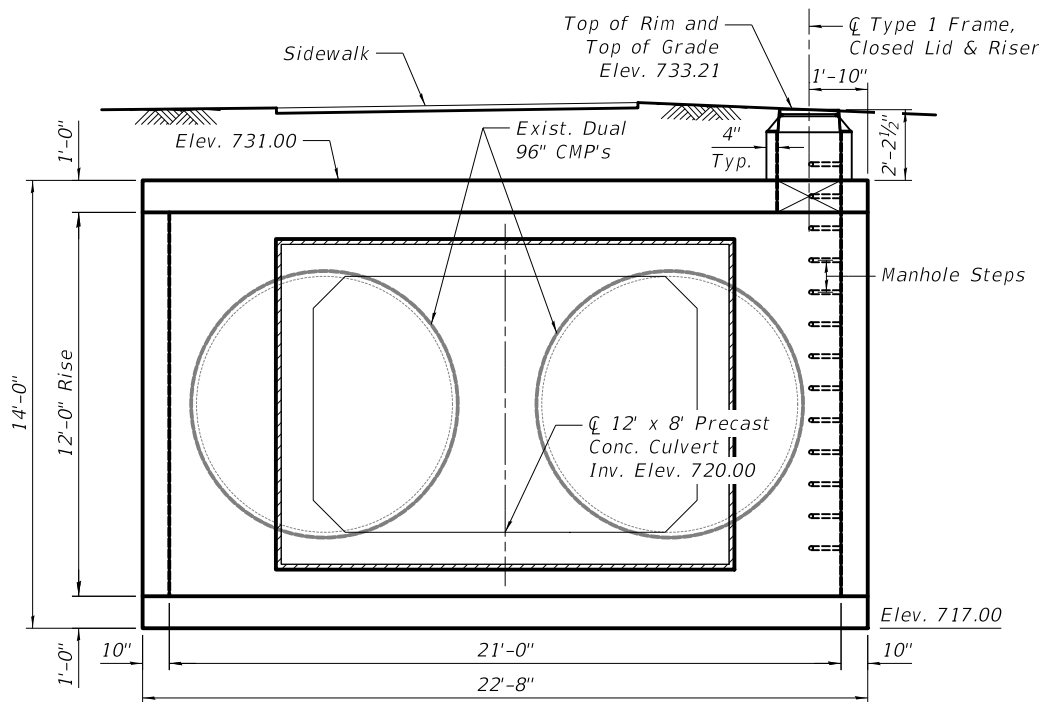


JUNCTION CHAMBER NO. 1 - SOUTH ELEVATION
(Looking North)

Note:
 A = ϕ Existing 96" CMP
 Sta. 16+41.35
 Offset 74.78' Lt.
 B = ϕ Existing 96" CMP
 Sta. 16+41.39
 Offset 63.99' Lt.



JUNCTION CHAMBER NO. 1 - PLAN
All stations and offsets measured along ϕ American Lane



JUNCTION CHAMBER NO. 1 - EAST ELEVATION
(Looking West)
Ground improvement not shown for clarity.

LEGEND

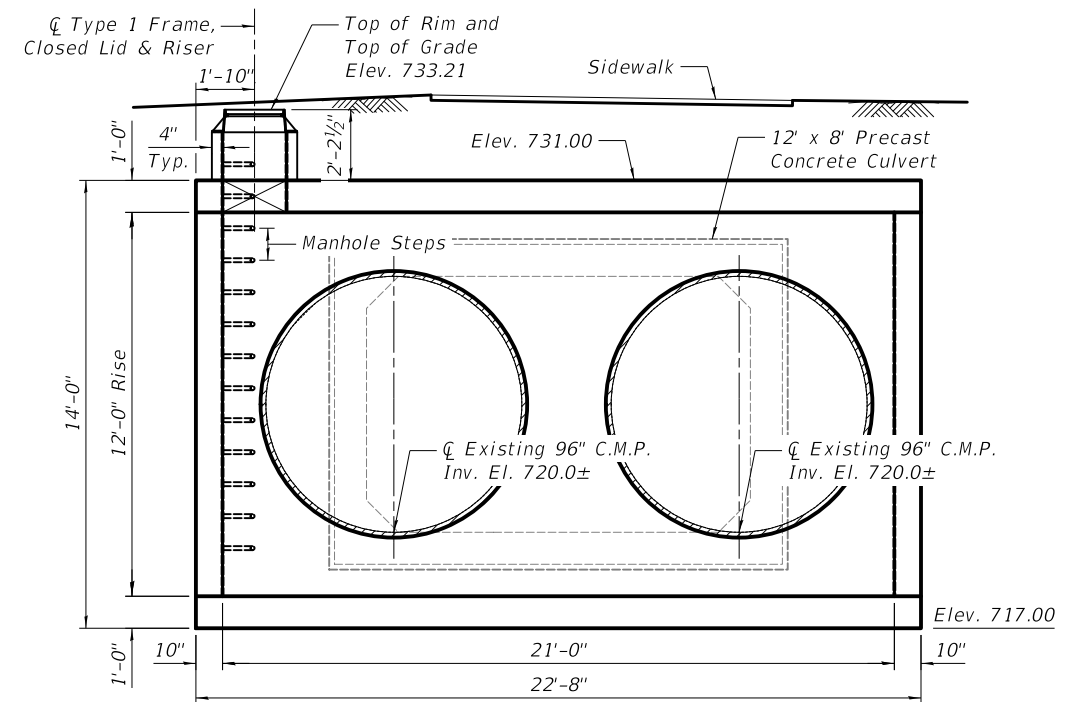
- Soil Boring
- Existing Water Main
- Proposed Storm Sewer
- Existing Fiber Optic

NOTES:

1. Junction Chamber No. 1 shall be precast.
2. Joints shall be permitted only at locations shown on the plans or as approved by the Engineer.
3. See Drainage Sheets for location and drainage details.
4. Oversized holes for storm sewer pipe shall be grouted with mortar and sealed.
5. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.
6. The cost of Porous Granular Material and Manhole Steps is included in the cost of Junction Chamber No. 1.
7. See Standard 602701 for Manhole Steps details.
8. Field verify dimensions, stations and offsets regarding existing Dual 96" CMP's prior to fabrication.

BILL OF MATERIAL

Item	Unit	Quantity
Junction Chamber No. 1	Each	1



JUNCTION CHAMBER NO. 1 - WEST ELEVATION
(Looking East)
Ground improvement not shown for clarity.

2/22/25 PM 2:22:45 PM c:\bms\civiltech-pw\david.krueger\dms\5443\05_Junction_Chamber_Ldgn

BILL OF MATERIAL

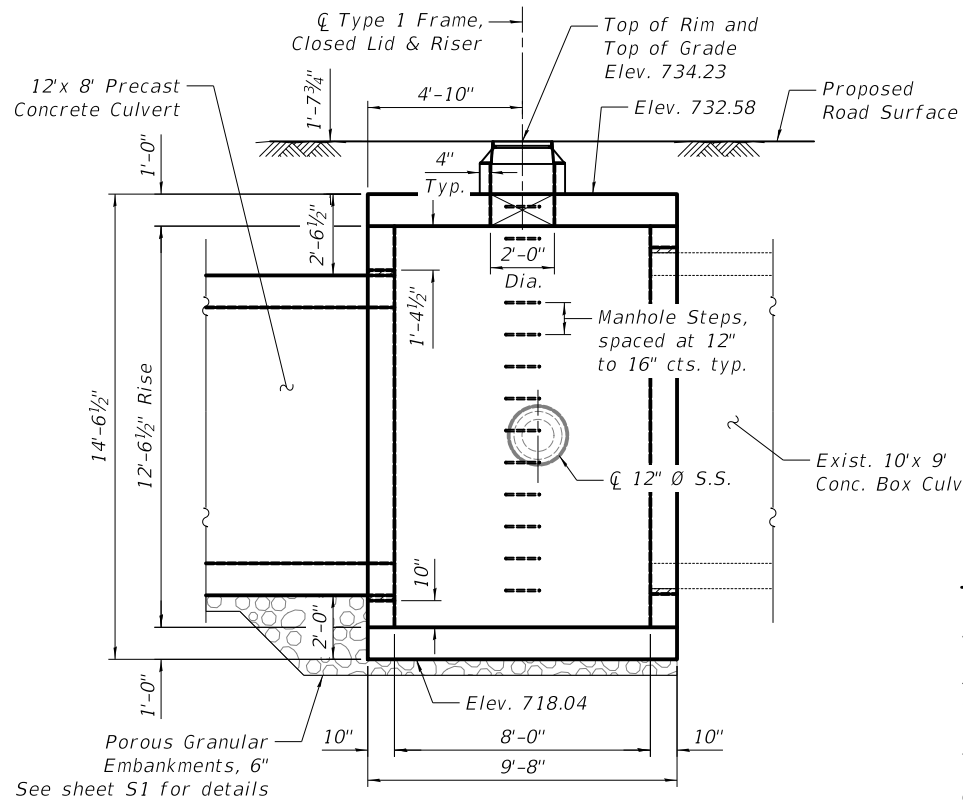
Item	Unit	Quantity
Junction Chamber No. 2	Each	1

LEGEND

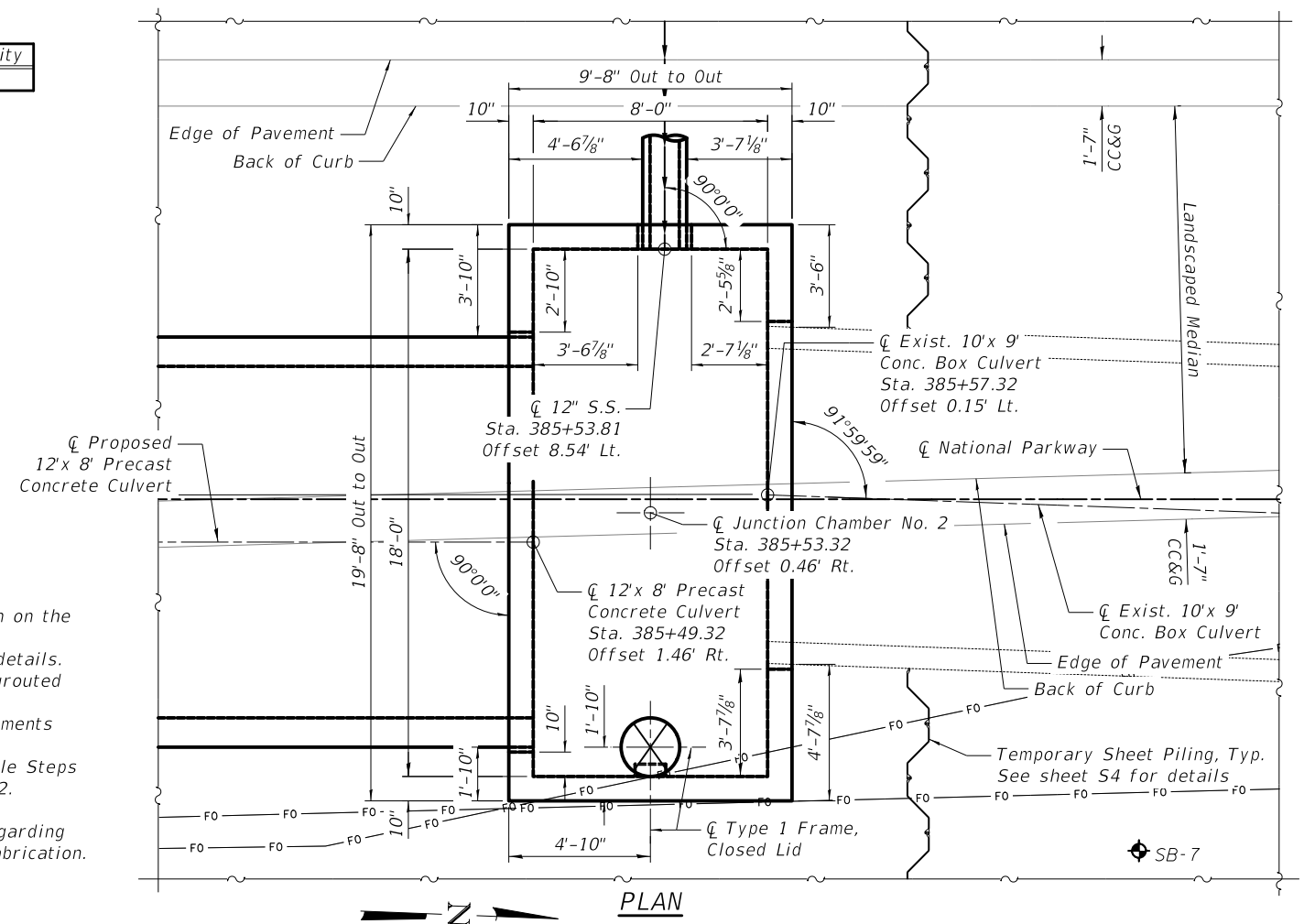


NOTES:

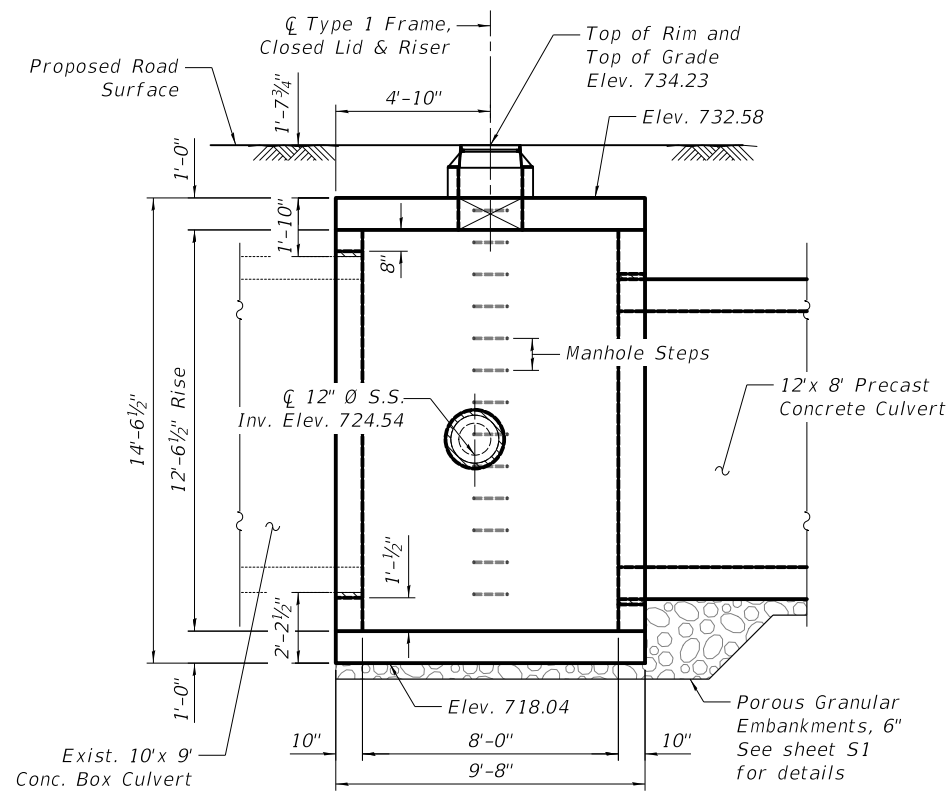
- Junction Chamber No. 2 shall be precast.
- Joints shall be permitted only at locations shown on the plans or as approved by the Engineer.
- See Drainage Sheets for location and drainage details.
- Oversized holes for storm sewer pipe shall be grouted with mortar and sealed.
- Reinforcement bars shall conform to the requirements of AASHTO M31 or M322, Grade 60.
- The cost of Porous Granular Material and Manhole Steps is included in the cost of Junction Chamber No. 2.
- See Standard 602701 for Manhole Steps details.
- Field verify dimensions, stations and offsets regarding existing 10'x 9' Concrete Box Culvert prior to fabrication.



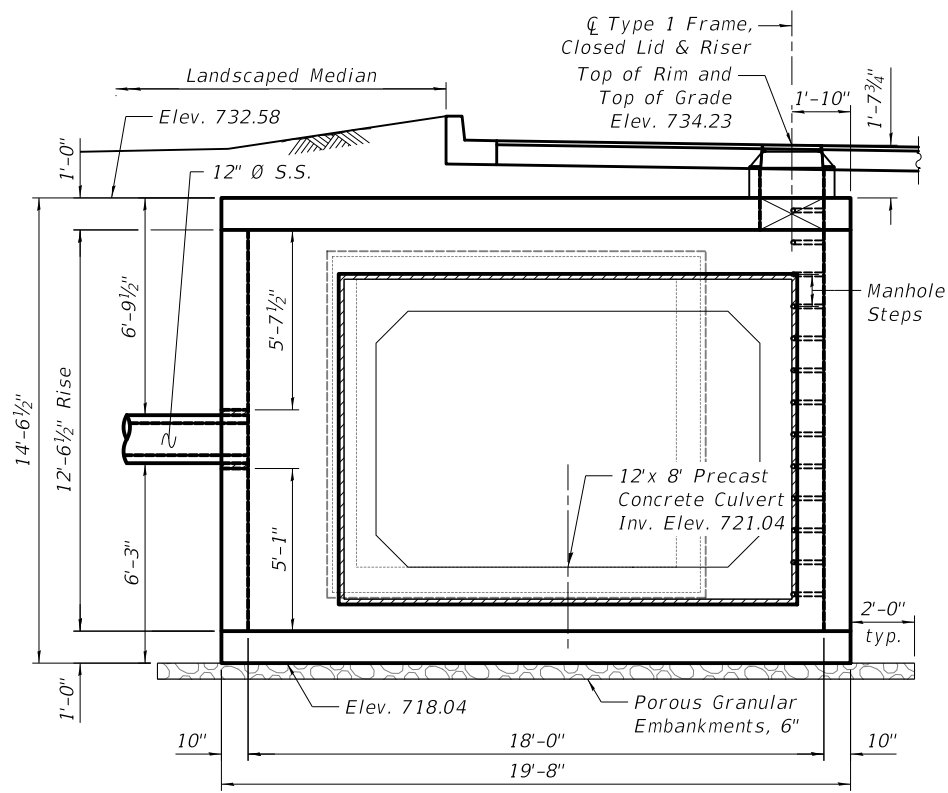
JUNCTION CHAMBER NO. 2 - EAST ELEVATION
(Looking West)



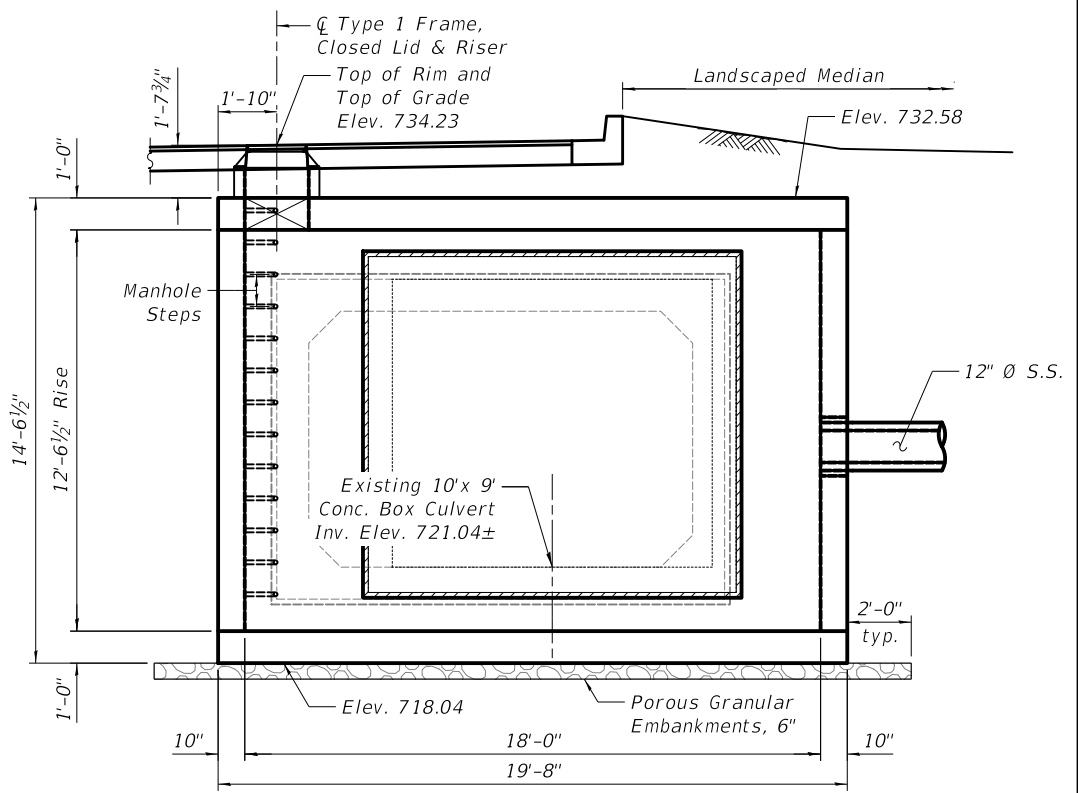
PLAN



JUNCTION CHAMBER NO. 2 - WEST ELEVATION
(Looking East)



JUNCTION CHAMBER NO. 2 - SOUTH ELEVATION
(Looking North)



JUNCTION CHAMBER NO. 2 - NORTH ELEVATION
(Looking South)

6/10/2022 2:22:47 PM c:\bms\civiltech-fw\david.krueger\dms5443\06-Junction Chamber_2.dgn

Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

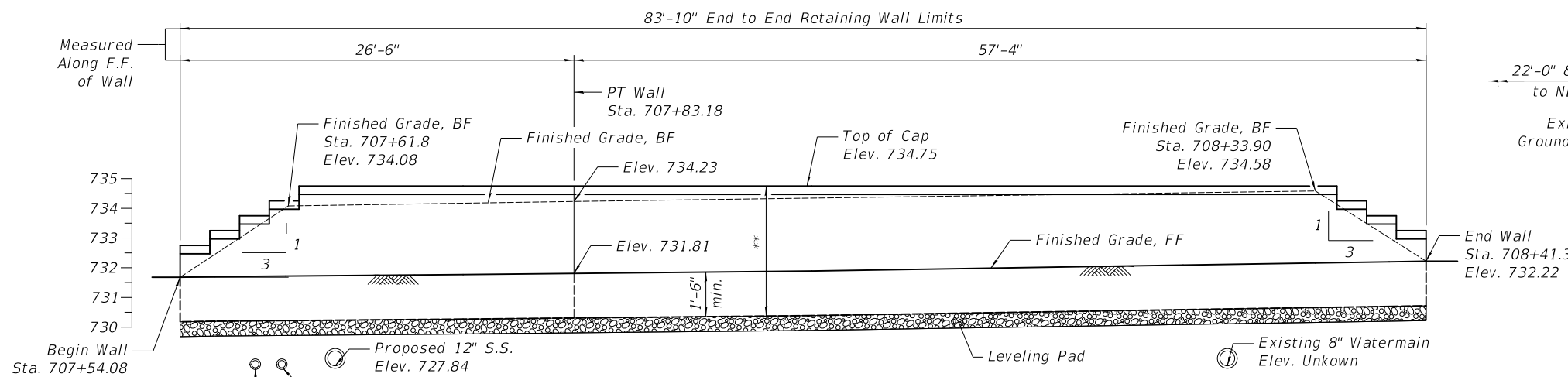
DRAWN - JAL	REVISED -
DESIGNED - JAL	REVISED -
CHECKED - GJH	REVISED -
DATE - \$DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JUNCTION CHAMBER NO. 2
AMERICAN LANE / NATIONAL PARKWAY

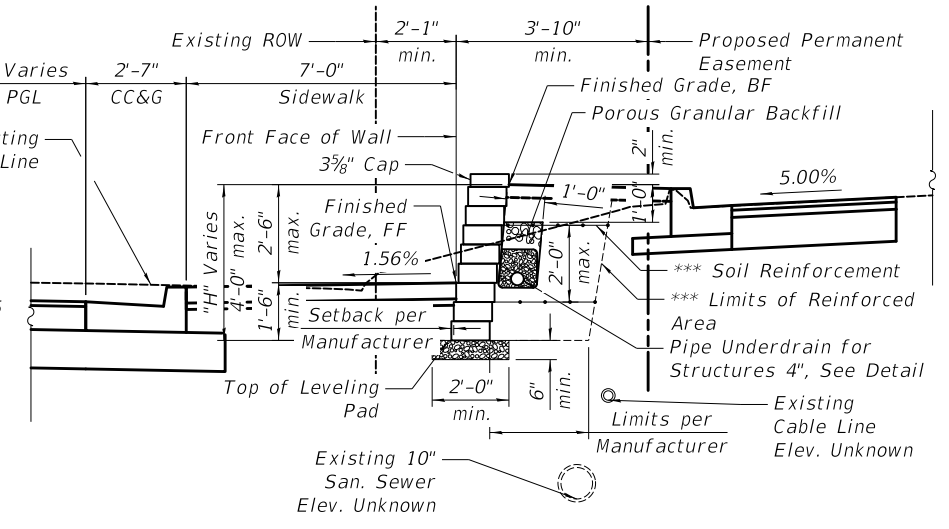
SHEET NO. S6 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	179
CONTRACT NO. 61104				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



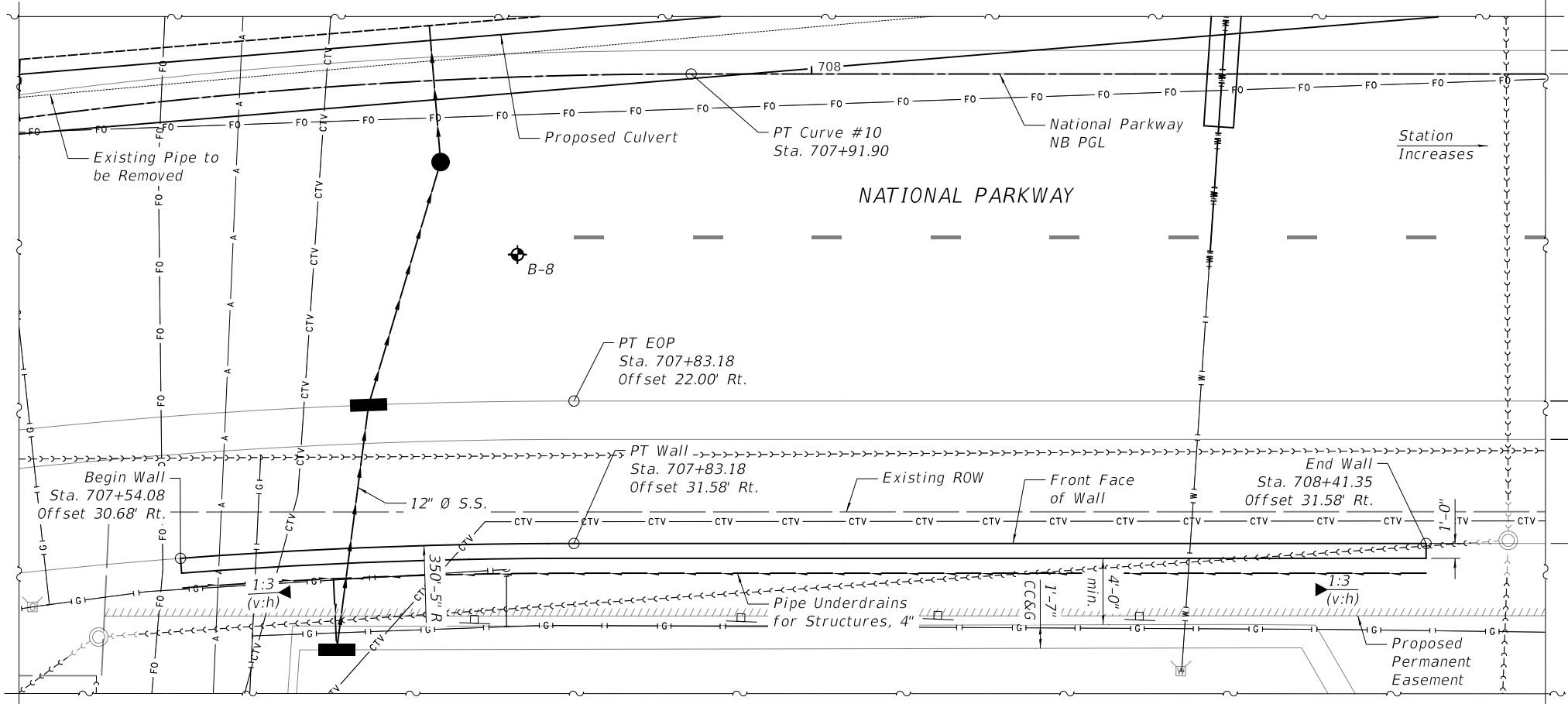
PLAN
(Unfolded, Looking West)

** Pay Limits of Segmental Concrete Block Wall



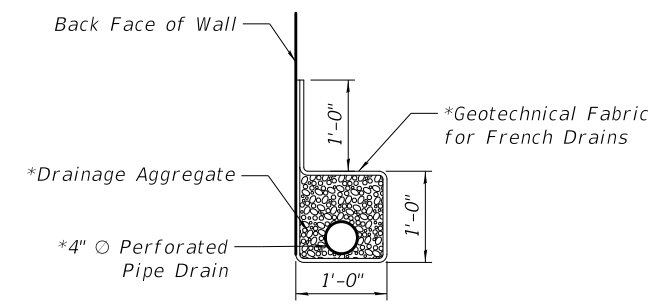
TYPICAL CROSS SECTION

*** As needed. To be determined by Contractor Design and Engineer Approval.



PLAN

All stations and offsets measured along National Parkway NB PGL



PIPE UNDERDRAIN DETAIL

*Included in the cost of Pipe Underdrains for Structures 4"

GENERAL NOTES:

1. Design and installation of Segmental Concrete Block Wall (including need for Soil Reinforcement) to be in accordance with Wall System Manufacturer Design Requirements and Specifications.
2. The cost of any porous granular backfill, soil reinforcement, and structure excavation are to be included in the cost of Segmental Concrete Block Wall.

PROPOSED NATIONAL CURVE #10 DATA

P.I. Sta. = 707+16.15
 $\Delta = 25^\circ 49' 36''$ (RT)
 $D = 16^\circ 45' 11''$
 $R = 342.00'$
 $T = 78.41'$
 $L = 154.16'$
 $E = 10.18'$
P.C. Sta. = 706+37.74
P.T. Sta. = 707+91.90

GENERAL PLAN & ELEVATION

RETAINING WALL

NATIONAL PARKWAY, F.A.U. RTE

SECTION 16-00127-03-PV

COOK COUNTY

STA. 707+56.65 TO STA. 708+38.86

LEGEND

- FO — FO — Soil Boring
- G — Existing Fiber Optic
- G — Existing Gasline
- CTV — CTV — Existing Sanitary Sewer
- CTV — CTV — Existing Cable Line
- A — Proposed Storm Sewer
- A — Proposed Storm Sewer

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

BILL OF MATERIAL

Item	Unit	Quantity
Pipe Underdrains For Structures, 4"	Foot	92
Segmental Concrete Block Wall	Sq. Ft.	349

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL GENERAL PLAN AND ELEVATION
AMERICAN LANE / NATIONAL PARKWAY

SHEET NO. 57 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	180
CONTRACT NO. 61J04				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DRAWN - JAL	REVISED -
DESIGNED - JAL	REVISED -
CHECKED - GJH	REVISED -
DATE - \$DATE	REVISED -

1/2/2022
 I:\04556_AM
 c:\bms\civiltech-pw\david.krueger\dms5443\07_SBRW.dgn

AGI Job No. 19-133		BORING LOG NO. B-7		Sheet 1 of 1	
CLIENT: Civiltch Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements			
STATION AND OFFSET(ft): 379+00, 22.0 LL		LOCATION: National Parkway & American Lane			
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois			
SURFACE ELEVATION Datum: 730.8		GRAPHIC LOG			
0.5	6 inches asphalt	730.3			
1.3	10 inches sand & gravel fill	729.5			
	FILL, loam, trace to little gravel, brown & gray, stiff to very stiff		4	1	SS 44 15 1.75
			7	2	SS 56 17 2.5
6.0	FILL, clay loam, trace to little organics, black & dark brown, stiff	724.8	5		
			7	3	SS 61 20 1.25
8.0	Organic Clay, black Organic Content = 7.90%	722.8			
9.5		721.3			
10.0	SILTY CLAY, trace topsoil, brown, trace black, stiff	720.8	8	4	SS 78 63 22 1.6
End Of Boring					
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED 7-22-19	FINISHED 7-22-19
WL	☐ Dry	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900		DRILL CO. WDI	DRILL RIG 45-C
WL	☐			DRILLER Pecka	ASST DRILLER PD
WL	☐			ENG/GEOL. AMM / KG	APPROVED AMM

AGI Job No. 19-133		BORING LOG NO. B-8		Sheet 1 of 1	
CLIENT: Civiltch Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements			
STATION AND OFFSET(ft): 380+85, 24.0 RL		LOCATION: National Parkway & American Lane			
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois			
SURFACE ELEVATION Datum: 731.9		GRAPHIC LOG			
0.4	5 inches asphalt	731.5			
1.3	10 inches sand & gravel fill	730.6			
	FILL, loam, with organic, black, very stiff		5	1	SS 56 16 3
			8	2	SS 78 19 3
5.5	FILL, loam, dk. brown, very stiff	726.4	5		
			10	3	SS 56 18 2
8.5		723.4			
9.5	Organic Clay, black	722.4			
10.0	SILTY CLAY, brown, very stiff	721.9	8	4	SS 100 45 20 2.1
End Of Boring					
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED 7-24-19	FINISHED 7-24-19
WL	☐ Dry	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900		DRILL CO. WDI	DRILL RIG 45-C
WL	☐			DRILLER Pecka	ASST DRILLER PD
WL	☐			ENG/GEOL. AMM / KG	APPROVED AMM

AGI Job No. 19-133		BORING LOG NO. B-10		Sheet 1 of 1	
CLIENT: Civiltch Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements			
STATION AND OFFSET(ft): 385+01, 44.0 RL		LOCATION: National Parkway & American Lane			
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois			
SURFACE ELEVATION Datum: 733.0		GRAPHIC LOG			
0.3	4 inches asphalt	732.7			
1.7	16 inches sand & gravel fill	731.3			
	FILL, clay loam, trace gravel, brown, gray & black, very stiff to hard		7	1	SS 56 15 2.3
			12	2	SS 83 21 4.1
5.5		725.0	5		
			5	3	SS 67 17 2.1
8.0	SILTY CLAY, possible fill, trace sand & gravel, brown & gray, very stiff	725.0			
10.0		723.0	9	4	SS 83 23 2.7
End Of Boring					
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED 7-24-19	FINISHED 7-24-19
WL	☐ Dry	2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900		DRILL CO. WDI	DRILL RIG 45-C
WL	☐			DRILLER Pecka	ASST DRILLER PD
WL	☐			ENG/GEOL. AMM / KG	APPROVED AMM

c:\bms\civiltech-pw\david.kreger\dms5443\08_Culvert_Boring_logs_ldgn
 10/31/2022 2:22:51 PM


 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DRAWN - JAL
 DESIGNED - JAL
 CHECKED - GJH
 DATE - \$DATE

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS I
AMERICAN LANE / NATIONAL PARKWAY

SHEET NO. 58 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	181
CONTRACT NO. 61J04				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

AGI Job No. 19-133		BORING LOG NO. SB-3		Sheet 1 of 1						
CLIENT: Civitech Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements								
STATION AND OFFSET(FT): 16+56, 60.0 LL		LOCATION: National Parkway & American Lane								
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois								
SURFACE ELEVATION		Datum: 731.5		GRAPHIC LOG						
DEPTH (FT.)	DCP BLOWS / 6 IN.	NUMBER	TYPE	% RECOVERY	MOISTURE, %	DRY DENSITY PCF	Failure Type	VANE SHEAR PSF	Est. Coefficient of Permeability k _v (cm/sec)	
1.1		7	1	SS	72	17				
FILL, silty clay, dark brown & black										
FILL, silty clay, some gravel, trace topsoil, brown & black, loose to med. dense										
9.5		6	4	SS	84					
Void approx. from 9.5 to 14.0 feet										
14.0		10	4	SS	78	21				
FILL, silty clay mixed with gravel, brown & gray, loose										
14.5		12	5	SS	78	16		4.3		
SILTY CLAY LOAM, trace gravel, gray, hard to very stiff										
18.0		8	6	SS	83	17		1.75		
SILTY CLAY LOAM, trace gravel, gray, stiff to very stiff										
23.0		10	7	SS	72	20		2.1		
SILTY CLAY LOAM, trace gravel, gray, stiff										
25.0		9	8	SS	83	21		1.6		
End Of Boring										
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED	7-29-19	FINISHED	7-29-19			
WL	18.5	WS	2385 Hammond Drive, Suite 6	DRILL CO.	GEI	DRILL RIG	CME 55			
WL	20	AB	Schaumburg, Illinois 60173	DRILLER	Jonathon	ASST DRILLER	WF			
WL	23	Cave-In	Tel (847) 303-0300	ENG/GEOL.	AMM / KG	APPROVED	AMM			
			Fax (847) 303-0900							

AGI 19-133 CIVILTECH - NATIONAL PARKWAY - SCHAUMBURG.GPJ 8/24/19

AGI Job No. 19-133		BORING LOG NO. SB-4		Sheet 1 of 1						
CLIENT: Civitech Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements								
STATION AND OFFSET(FT): 379+50, 25.0 LL		LOCATION: National Parkway & American Lane								
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois								
SURFACE ELEVATION		Datum: 731.1		GRAPHIC LOG						
DEPTH (FT.)	DCP BLOWS / 6 IN.	NUMBER	TYPE	% RECOVERY	MOISTURE, %	DRY DENSITY PCF	Failure Type	VANE SHEAR PSF	Est. Coefficient of Permeability k _v (cm/sec)	
0.5										
6.5 inches asphalt										
1.5		6	1	SS	56	19		25		
FILL, silty clay loam, trace sand & gravel, brown & gray, very stiff										
5		6	2	SS	56	21		3		
7.5		11	3	SS	44	7				
FILL, sand, gravel & broken concrete, brown-gray, medium dense										
8.5		4	4	SS	89	28				
Organic Clay, black										
10.5		2	5	SS	89	182		0.3		
PEAT, black, trace green & gray Organic Content = 7.57%										
18.0		1	6	SS	100	76		0.11		
ORGANIC CLAYEY SILT, small sand seam at 20 feet, gray, very soft										
22.0		1	7	SS	100	65		0.11		
SILTY CLAY LOAM, gray, very stiff										
25.0		9	10	SS	50	19		2.3		
End Of Boring										
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED	7-22-19	FINISHED	7-22-19			
WL	3.5	WS	2385 Hammond Drive, Suite 6	DRILL CO.	WDI	DRILL RIG	45-C			
WL	11	AB	Schaumburg, Illinois 60173	DRILLER	Pecka	ASST DRILLER	PD			
WL	17	Cave-In	Tel (847) 303-0300	ENG/GEOL.	AMM / KG	APPROVED	AMM			
			Fax (847) 303-0900							

AGI 19-133 CIVILTECH - NATIONAL PARKWAY - SCHAUMBURG.GPJ 8/24/19

AGI Job No. 19-133		BORING LOG NO. SB-5		Sheet 1 of 1						
CLIENT: Civitech Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements								
STATION AND OFFSET(FT): 381+55, 5.0 RL		LOCATION: National Parkway & American Lane								
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois								
SURFACE ELEVATION		Datum: 734.2		GRAPHIC LOG						
DEPTH (FT.)	DCP BLOWS / 6 IN.	NUMBER	TYPE	% RECOVERY	MOISTURE, %	DRY DENSITY PCF	Failure Type	VANE SHEAR PSF	Est. Coefficient of Permeability k _v (cm/sec)	
4.0		9	1	SS	61	16		4.5		
FILL, silty clay mixed with topsoil, dark brown & black, hard to very stiff										
5		7	2	SS	72	18		2		
FILL, silty clay, with gravel, trace sand, brown, very stiff										
6		6	3	SS	61	19		3.75		
FILL, crushed stone, loose										
10		5	5	SS	50					
SILTY CLAY LOAM, trace gravel, brown & gray, very stiff to hard										
13.5		8	6	SS	61	18		2.1		
SILTY CLAY LOAM, trace gravel, brown & gray, very stiff to hard										
15		11	7	SS	72	15		4.1		
SILTY CLAY, trace gravel, gray, hard to very stiff										
18.0		14	8	SS	78	16		4.2		
SILTY CLAY, trace gravel, gray, hard to very stiff										
23.0		9	9	SS	44	20		1.8		
SILTY CLAY, trace gravel, gray, stiff										
25.0		8	10	SS	89	21		1.2		
End Of Boring										
WATER LEVEL OBSERVATIONS		Applied GeoScience, Inc.		STARTED	7-29-19	FINISHED	7-29-19			
WL	13.5	WS	2385 Hammond Drive, Suite 6	DRILL CO.	GEI	DRILL RIG	CME 55			
WL			Schaumburg, Illinois 60173	DRILLER	Jonathon	ASST DRILLER	WF			
WL	21	Cave-In	Tel (847) 303-0300	ENG/GEOL.	AMM / KG	APPROVED	AMM			
			Fax (847) 303-0900							

AGI 19-133 CIVILTECH - NATIONAL PARKWAY - SCHAUMBURG.GPJ 8/24/19

c:\bms\Civiltech-pw\david.kreager\dms5443\09_Culvert_Boring_Logs_IL.dgn
 2/22/2022 2:22:54 PM



DRAWN	- JAL	REVISED	-
DESIGNED	- JAL	REVISED	-
CHECKED	- GJH	REVISED	-
DATE	- \$DATE	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS II
AMERICAN LANE / NATIONAL PARKWAY**

SHEET NO. 59 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	182
CONTRACT NO. 61J04				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

AGI Job No. 19-133		BORING LOG NO. SB-6		Sheet 1 of 1	
CLIENT: Civitech Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements			
STATION AND OFFSET(ft): 383+61, 5.0 RL		LOCATION: National Parkway & American Lane			
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois			
SURFACE ELEVATION Datum: 734.0		GRAPHIC LOG			
Blind drilling to 6 feet, Void from 6 to 11 feet		DEPTH (FT.)			
11.0		723.0			
12.0		722.0			
18.0		716.0			
25.0		709.0			
End Of Boring		25			
WATER LEVEL OBSERVATIONS		STARTED 7-29-19		FINISHED 7-29-19	
WL ▽ Dry		DRILL CO. GEI		DRILL RIG CME 55	
WL ▽		DRILLER Jonathon		ASST DRILLER WF	
WL ▽		ENGINEER AMM / KG		APPROVED AMM	

AGI Job No. 19-133		BORING LOG NO. SB-6A		Sheet 1 of 1	
CLIENT: Civitech Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements			
STATION AND OFFSET(ft): 383+50, 5.0 RL		LOCATION: National Parkway & American Lane			
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois			
SURFACE ELEVATION Datum: 732.7		GRAPHIC LOG			
1.0		731.7			
8.5		724.2			
11.0		721.7			
End Of Boring		11			
Stop Drilling Due to Void		10			
WATER LEVEL OBSERVATIONS		STARTED 7-25-19		FINISHED 7-25-19	
WL ▽ Dry		DRILL CO. WDI		DRILL RIG 45-C	
WL ▽		DRILLER Pecka		ASST DRILLER PD	
WL ▽		ENGINEER AMM / KG		APPROVED AMM	

AGI Job No. 19-133		BORING LOG NO. SB-6B		Sheet 1 of 1	
CLIENT: Civitech Engineering, Inc.		PROJECT: National Pkwy/American Ln. Roadway Improvements			
STATION AND OFFSET(ft): 383+55, 5.0 RL		LOCATION: National Parkway & American Lane			
COUNTY: Cook		CITY & STATE: Schaumburg, Illinois			
SURFACE ELEVATION Datum: 732.5		GRAPHIC LOG			
1.0		731.5			
5.0		727.5			
11.0		721.5			
12.5		720.0			
End Of Boring		10			
WATER LEVEL OBSERVATIONS		STARTED 7-25-19		FINISHED 7-25-19	
WL ▽ Dry		DRILL CO. WDI		DRILL RIG 45-C	
WL ▽		DRILLER Pecka		ASST DRILLER PD	
WL ▽		ENGINEER AMM / KG		APPROVED AMM	

c:\bms\civiltech-pw\david.krueger\dms5443\10_Culvert_Boring_logs_ill.dgn
 2/22/2022 2:22:57 PM



DRAWN - JAL	REVISED -
DESIGNED - JAL	REVISED -
CHECKED - GJH	REVISED -
DATE - \$DATE	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS III
AMERICAN LANE / NATIONAL PARKWAY**

SHEET NO. \$10 OF 513 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	183
CONTRACT NO. 61J04				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

AGI Job No. 19-133	BORING LOG NO. SB-7	Sheet 1 of 1
CLIENT: Civiltech Engineering, Inc.	PROJECT: National Pkwy/American Ln. Roadway Improvements	
STATION AND OFFSET(FT): 385+70, 12.0 RL	LOCATION: National Parkway & American Lane	
COUNTY: Cook		
CITY & STATE: Schaumburg, Illinois		
SURFACE ELEVATION Datum: 733.5		
Topsoil, silty sandy clay, dk. brown	732.5	
FILL, silty clay, fr. sand & gravel, brown, stiff to very stiff	732.5	
FILL, SAND & GRAVEL, gray, wet	726.0	
End Of Boring	713.5	
20.0	20	
WATER LEVEL OBSERVATIONS	Applied GeoScience, Inc. 2385 Hammond Drive, Suite 6 Schaumburg, Illinois 60173 Tel: (847) 303-0300 Fax: (847) 303-0900	
WL 10 WS	STARTED 7-25-19 FINISHED 7-25-19	
WL 12 Cave-In	DRILL CO. WDI DRILL RIG 45-C	
	DRILLER Pecka ASST DRILLER PD	
	ENG/GEOL. AMM / KG APPROVED AMM	

MSET PROJECT NO.: 19707	LOG OF BORING NO. SB-11	Page 1 of 2								
PROJECT: National Parkway Culvert Replacement	SITE LOCATION: Schaumburg, Illinois									
BORING LOCATION: See Location Map	CLIENT: Civiltech Engineering, Inc.									
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS
0		Black CLAY Topsoil (12")	732.0							
4		FILL: Black, some Brown Clay LOAM, A-6, very stiff	731.0	SS	1	10	21		2.5 Qp	
8		FILL: Brown CLAY, little Sand, little Gravel, A-6, hard	729.0	SS	2	18	13		4.5 + Qp	
12		FILL: Grey, some Brown CLAY, little Sand, little Gravel, A-6, hard	724.0	SS	3	12	12			
16		Grey, little Black CLAY, A-6, firm	721.5	SS	4	15	12		4.0 Qp	
20		Grey CLAY, A-6, hard	719.0	SS	5	6	20	100	0.78	
24		intermittent moist silt seam at 17.5' to Clay LOAM, A-6	714.5	SS	6	17	15	116	4.89	
28		to CLAY, A-6	713.0	SS	7	13	17	114	4.42	
32			711.0	SS	8	8	11	125	0.70	
36		Brown Grey Silty LOAM, A-4	707.5	SS	9	13	10	126	3.49	
40		Grey Silty Clay LOAM, A-6, hard to firm to CLAY, A-6	706.5	SS	10A	10	12	113	1.86	
44			705.0	SS	10B	14	14			
48				SS	11	10	13		4.0 Qp	
52				SS	12	9	19	105	1.94	
WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 34.5' IMMEDIATELY AFTER DRILLING: 35.0' DELAYED READING AFTER										
BORING STARTED: 11/29/19 BORING COMPLETED: 11/29/19 LOGGED BY: MHP BORING METHOD: HSA										
Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 (847) 844-3875										

MSET PROJECT NO.: 19707	LOG OF BORING NO. SB-11	Page 2 of 2								
PROJECT: National Parkway Culvert Replacement	SITE LOCATION: Schaumburg, Illinois									
BORING LOCATION: See Location Map	CLIENT: Civiltech Engineering, Inc.									
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS
32		Grey Silty Clay LOAM to CLAY, A-6, firm	701.0	SS	13A	12	25	94	0.97	
36		Grey SAND, with Gravel, A-1, medium dense	697.5	SS	13B	42	14			
40		Grey CLAY, A-6, very stiff	694.5	SS	14	18	8		2.25 Qp	
44		Grey Sandy LOAM, A-2-4, medium dense	689.5	SS	15	18	8			
48				SS	16	21	11		3.0 Qp	
52		End of Boring at 50 Feet	682.0							
WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 34.5' IMMEDIATELY AFTER DRILLING: 35.0' DELAYED READING AFTER										
BORING STARTED: 11/29/19 BORING COMPLETED: 11/29/19 LOGGED BY: MHP BORING METHOD: HSA										
Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 (847) 844-3875										

c:\bms\civiltech-pw\david.kreger\dms15433\National Parkway Culvert 11 Borings IV.dgn 2/23/2002 2:23:00 PM



TWO PIERCE PLACE, SUITE 1400	DRAWN - JAL	REVISED -
ITASCA, ILLINOIS 60143	DESIGNED - JAL	REVISED -
TEL: 630.773.3900 FAX: 630.773.3975	CHECKED - GJH	REVISED -
WWW.CIVILTECHINC.COM	DATE - \$DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS IV
AMERICAN LANE / NATIONAL PARKWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	184
CONTRACT NO. 61J04				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SHEET NO. S11 OF 513 SHEETS

MSET PROJECT NO.: 19707		LOG OF BORING NO. SB-12		Page 1 of 2				
PROJECT: National Parkway Culvert Replacement			SITE LOCATION: Schaumburg, Illinois					
BORING LOCATION: See Location Map			CLIENT: Civiltech Engineering, Inc.					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS		REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc %	
0		Pavement: 6" HMA over 6" Brown Sand & Gravel	731.0					
0		FILL: Dark Brown & Grey CLAY little Sand, little Gravel, A-6, stiff to very stiff	730.0	SS 1	10	23	98	1.78
4				SS 2	9	25	92	1.51
4				SS 3	3	26	94	2.60
8		Brown Grey CLAY, A-6, stiff probable FILL	723.0	SS 4	6	26	92	1.01
12				SS 5	8	26	88	1.09
16		Sand layer at 15 Feet	716.0	SS 6	9	17	109	1.98
16		Grey CLAY, soft, wet, A-6 to A-7-6, possible organics	715.0	SS 7	2	29		<0.25 Qp
20		intermittent sand seams throughout	711.0	ST 8		27	99	0.5 Qp
24		Grey CLAY, A-6, very stiff to hard	708.0	SS 9	10	18		0.75 Qp
24				SS 10	10	23	102	2.64
28				SS 11	16	19	108	3.14
28				SS 12	8	20	106	4.07

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: 16.0'
 IMMEDIATELY AFTER DRILLING: 13.0'
 DELAYED READING AFTER



BORING STARTED: 12/2/19
 BORING COMPLETED: 12/2/19
 LOGGED BY: MHP
 BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 19707		LOG OF BORING NO. SB-12		Page 2 of 2				
PROJECT: National Parkway Culvert Replacement			SITE LOCATION: Schaumburg, Illinois					
BORING LOCATION: See Location Map			CLIENT: Civiltech Engineering, Inc.					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS		REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc %	
32		Grey CLAY, A-6, very stiff to hard	700.0	SS 13	10	24		3.34
36				SS 14	17	24		
44		Grey Silty LOAM, A-4, medium dense	688.5	SS 15	21	18		
48		Poor Recovery Cobbles & Gravel	682.0	SS 16	26	14		
50		End of Boring at 50 Feet	681.0					

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: 16.0'
 IMMEDIATELY AFTER DRILLING: 13.0'
 DELAYED READING AFTER



BORING STARTED: 12/2/19
 BORING COMPLETED: 12/2/19
 LOGGED BY: MHP
 BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

c:\bms\civiltech-fw\david.krueger\dms5443\12_Culvert_Boring_logs_V.dgn
 2/23/2022 2:23:03 PM

DRAWN - JAL	REVISED -
DESIGNED - JAL	REVISED -
CHECKED - GJH	REVISED -
DATE - \$DATE	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	185
CONTRACT NO. 61J04				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

2/23/2022 2:23:06 PM c:\bms\civiltech-pw\david.krueger\dms5443\13_Culvert_1_Boring_logs_V1.dgn

MSET PROJECT NO.: 19707		LOG OF BORING NO. SB-13		Page 1 of 2				
PROJECT: National Parkway Culvert Replacement			SITE LOCATION: Schaumburg, Illinois					
BORING LOCATION: See Location Map			CLIENT: Civiltech Engineering, Inc.					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS		REMARKS
				TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc-%	
0		Black CLAY Topsoil (10")	731.5					
		FILL: Dark Brown, some Black Clay LOAM, A-6, very stiff	730.7	SS 1	5	22		2.0 Qp
4		to Brown, little Black CLAY, A-6	727.0	SS 2	10	19	99	1.94
				SS 3	8	15	109	2.91
8		Black, some Brown CLAY, A-7-6, stiff to firm	723.5	SS 4	11	19	100	2.33
		some roots/organics	721.0	SS 5	6	24	84	0.89
12		Grey Organic SILT, A-8, moist, intermittent sand seams, shells, fibers	718.5	SS 6	4	44	74	0.39
16				SS 7	WOH	30		<0.25 Qp
20		Grey CLAY, A-6, very stiff to hard	713.0	SS 8	8	17	109	1.94
				SS 9	12	15	113	4.07
24				SS 10	12	15	114	4.38
				SS 11	15	16	111	6.44
28				SS 12	13	19	108	3.88

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: None
 IMMEDIATELY AFTER DRILLING: Dry
 DELAYED READING AFTER:



BORING STARTED: 11/29/19
 BORING COMPLETED: 11/29/19
 LOGGED BY: MHP
 BORING METHOD: HSA

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 (847) 844-3875

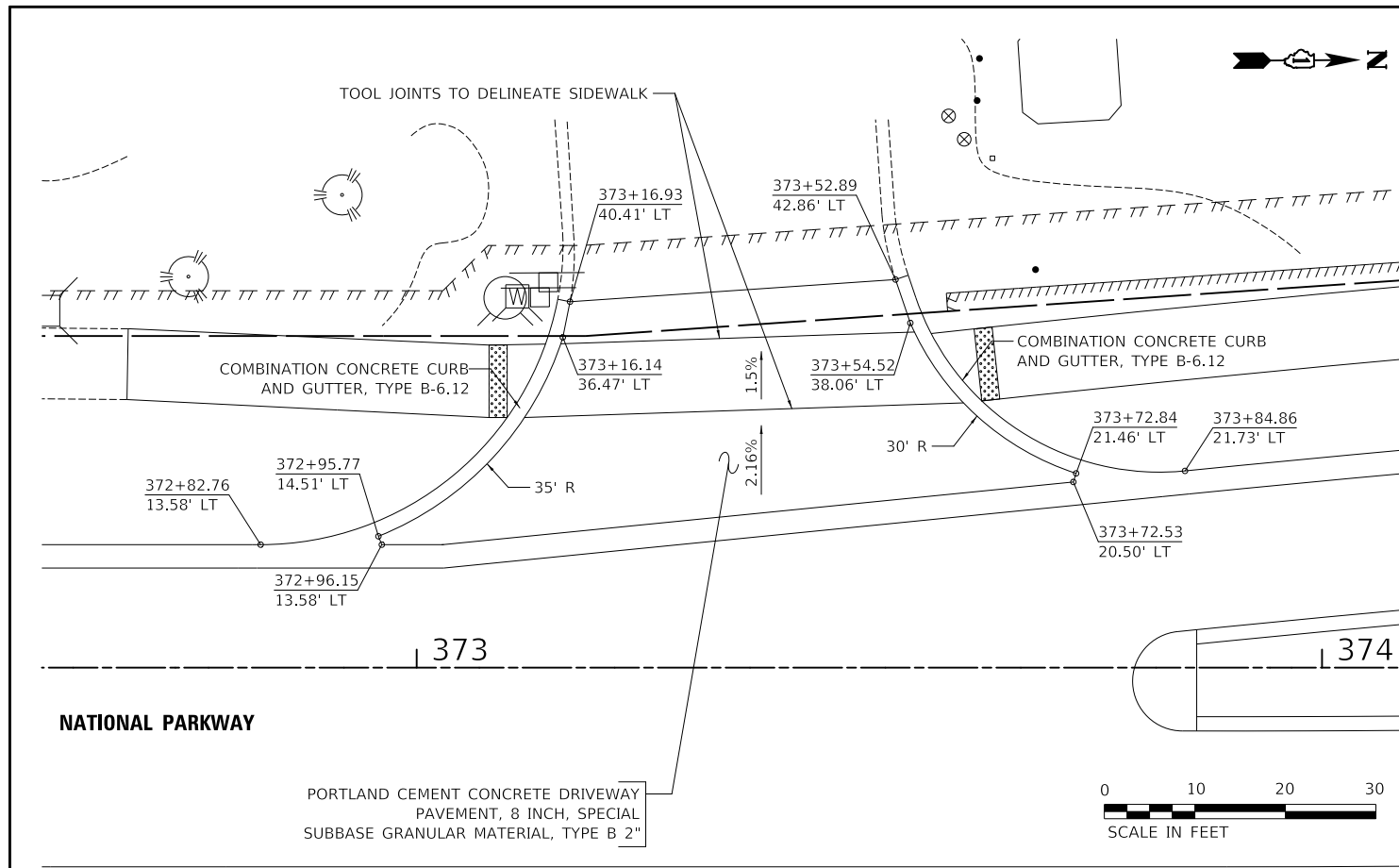
MSET PROJECT NO.: 19707		LOG OF BORING NO. SB-13		Page 2 of 2				
PROJECT: National Parkway Culvert Replacement			SITE LOCATION: Schaumburg, Illinois					
BORING LOCATION: See Location Map			CLIENT: Civiltech Engineering, Inc.					
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS		REMARKS
				TYPE/INTERVAL	NO.	N-VALUE Blows per ft.	Wc-%	
32		Grey CLAY, A-6, very stiff	700.5					
				SS 13	12	18	107	3.22
36								
				SS 14	10	12	122	2.75
40								
				SS 15	15	15	117	3.26
44		silt seam at 45 Feet	686.5					
				SS 16	13	13	117	3.14
48								
		End of Boring at 50 Feet	681.5					

WATER LEVEL OBSERVATIONS, ft.
 DURING DRILLING: None
 IMMEDIATELY AFTER DRILLING: Dry
 DELAYED READING AFTER:

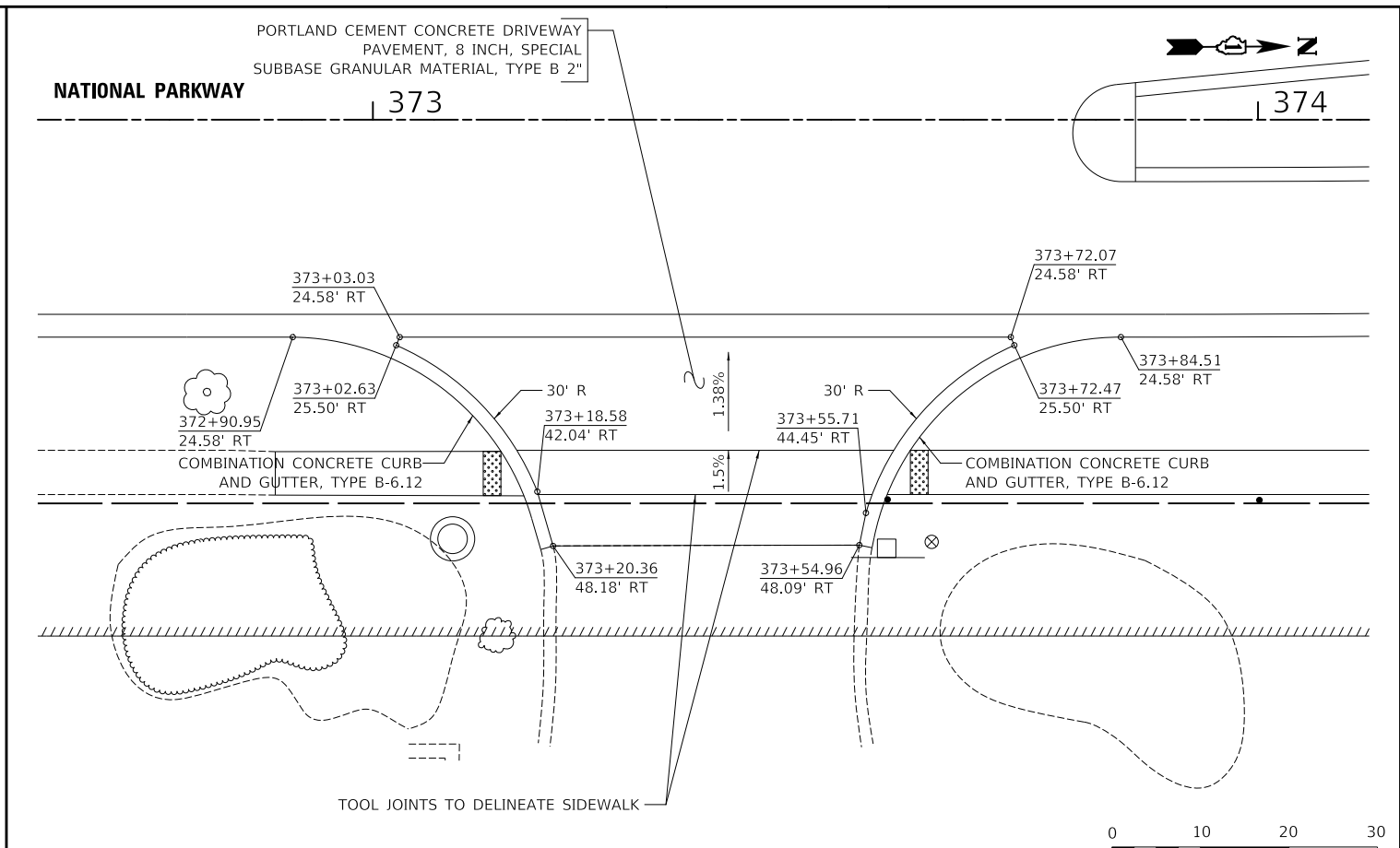


BORING STARTED: 11/29/19
 BORING COMPLETED: 11/29/19
 LOGGED BY: MHP
 BORING METHOD: HSA

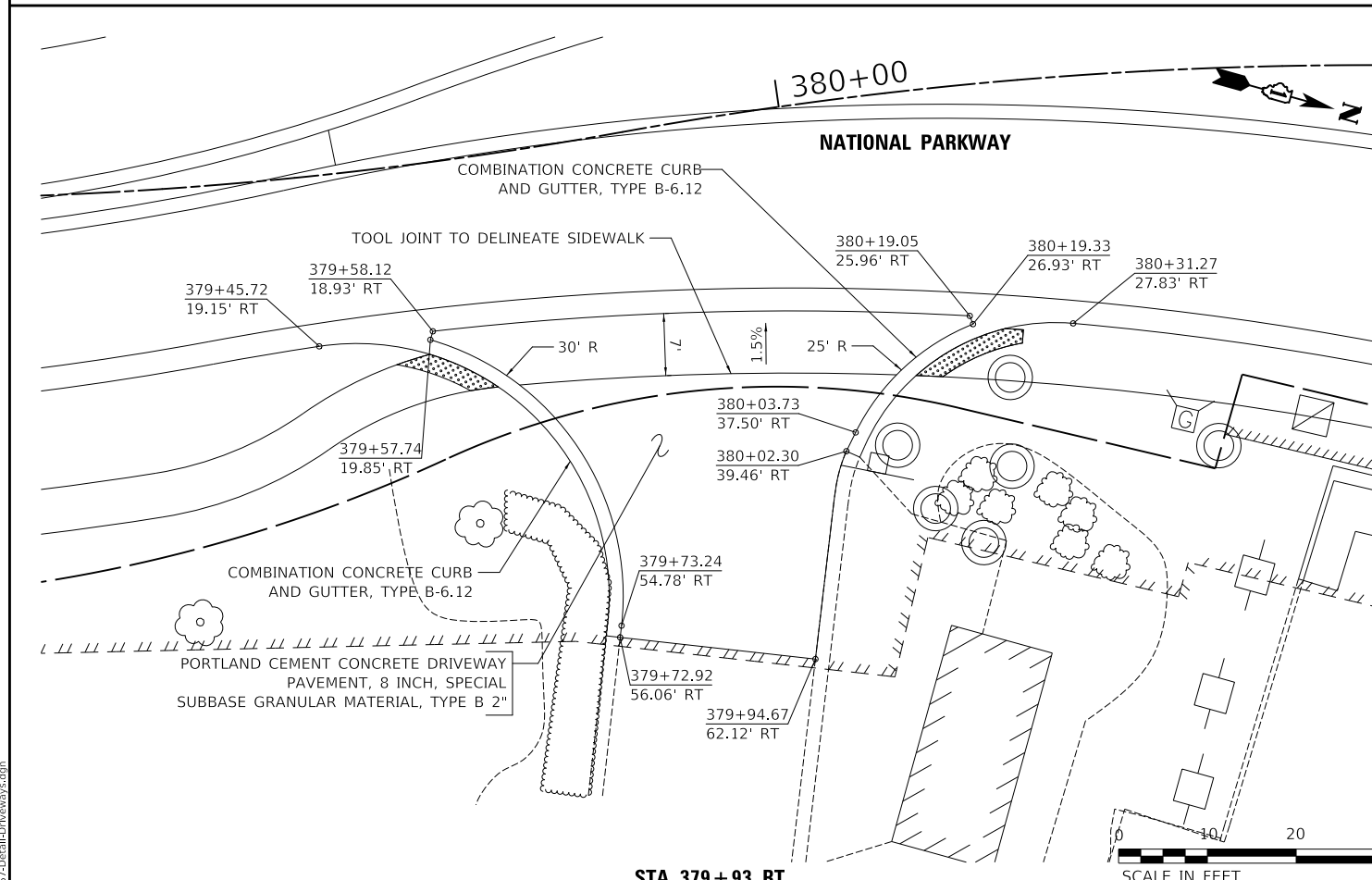
Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 (847) 844-3875



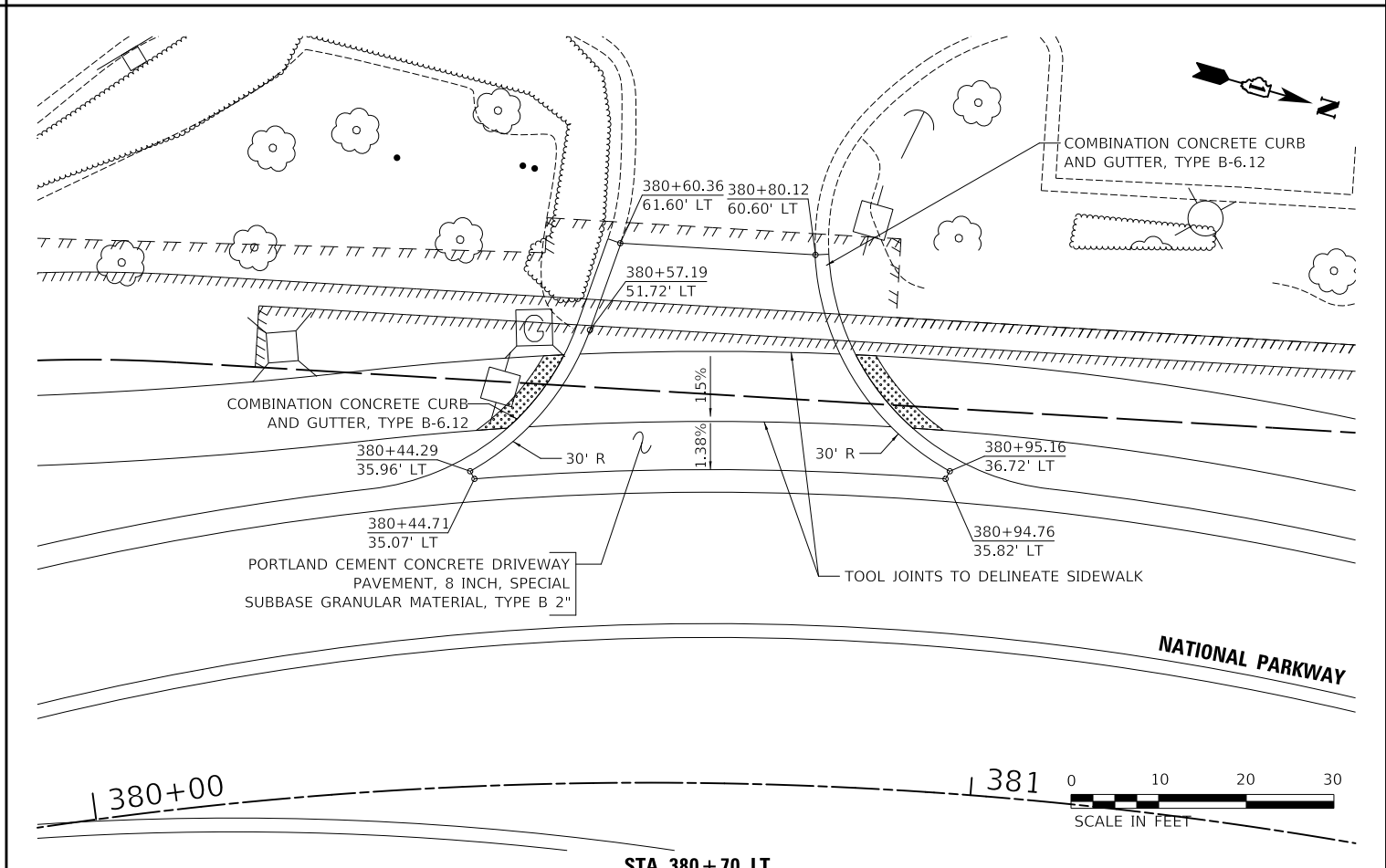
STA. 373+38 LT



STA. 373+38 RT



STA. 379+93 RT



STA. 380+70 LT

MODEL: \\MODEL\NAMES
FILE NAME: \\3252\Draw\Driveway.dwg

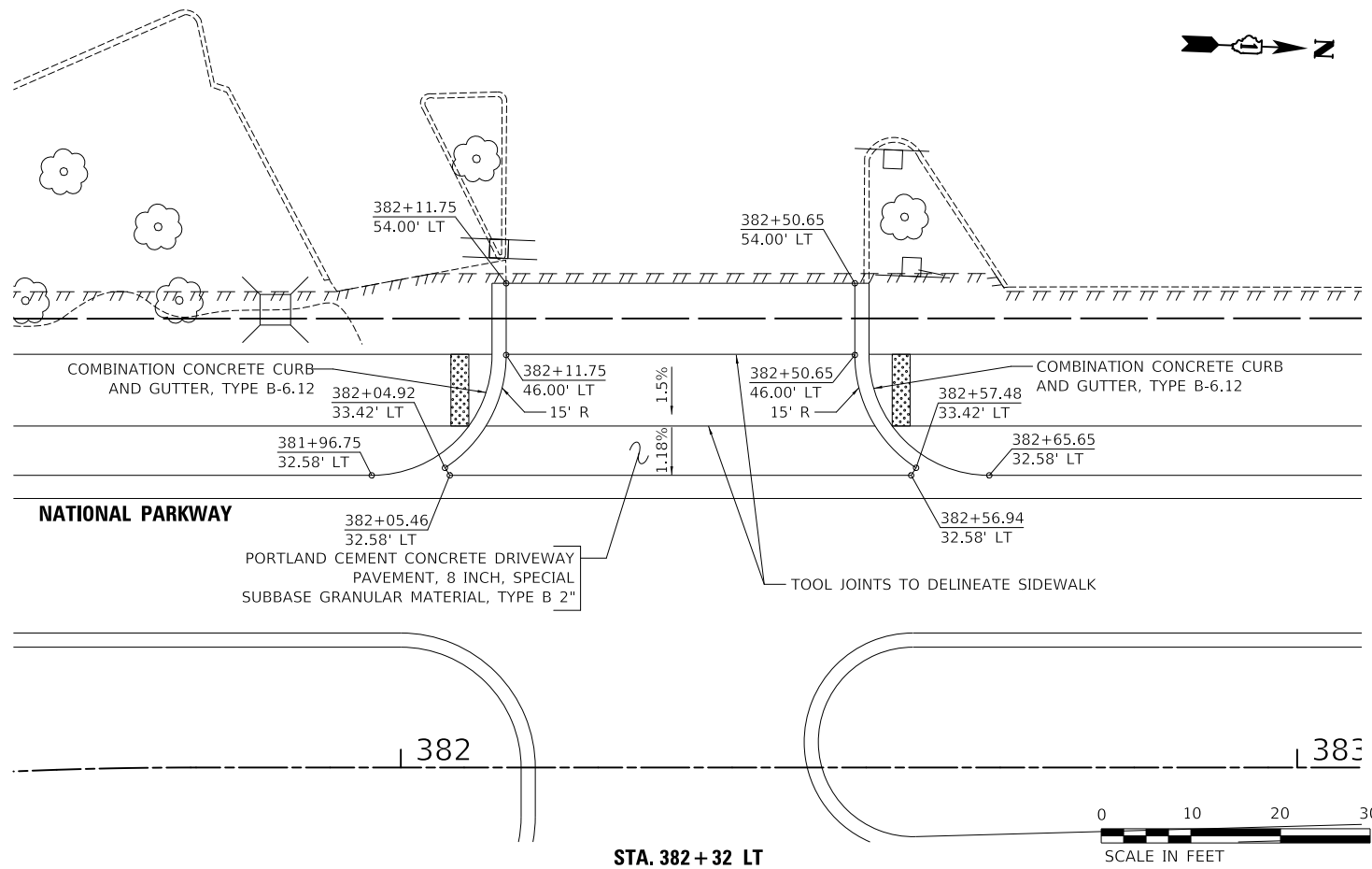
USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISIONS -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

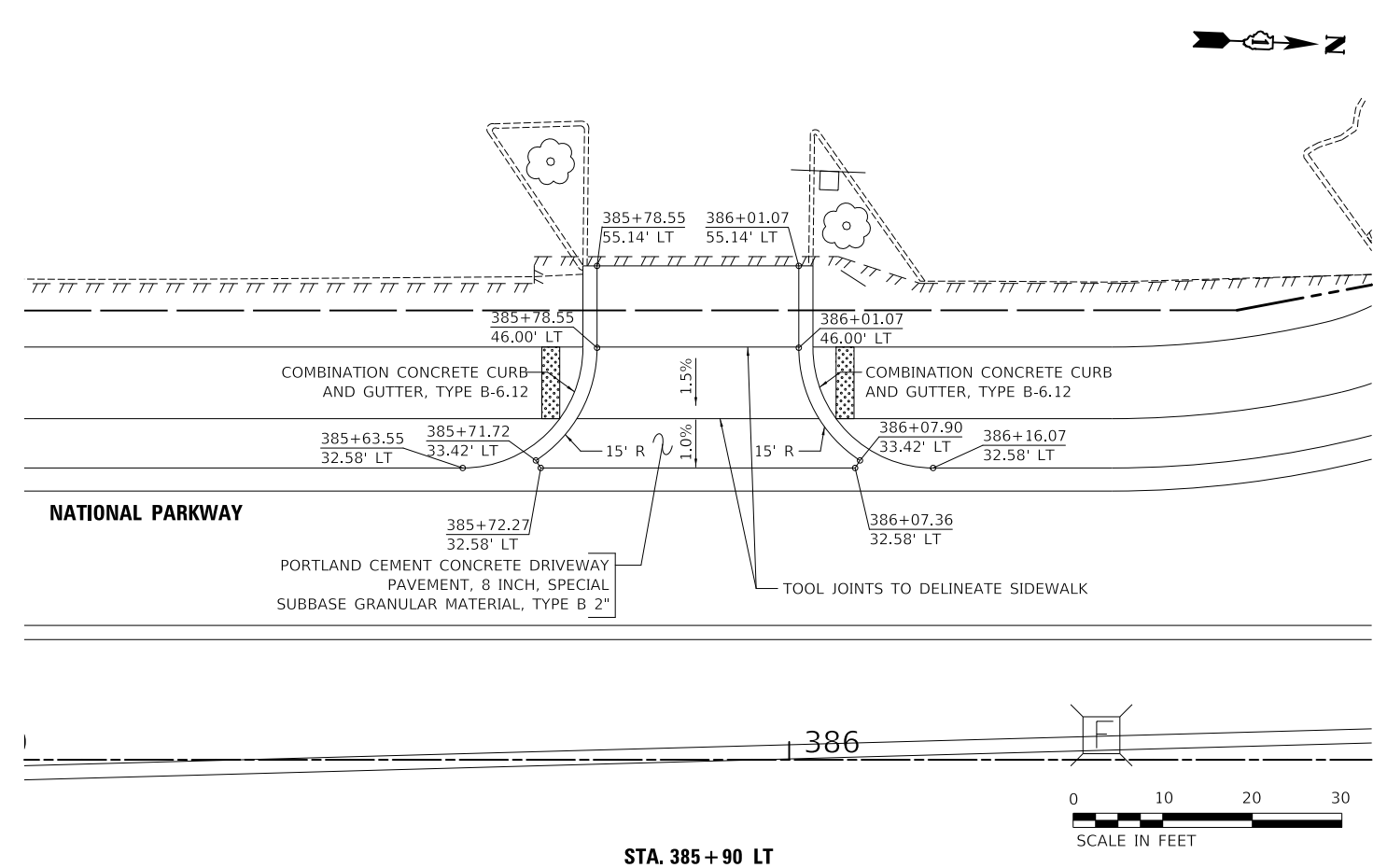
SCALE: 1"=10'		SHEET 1 OF 3 SHEETS	
---------------	--	---------------------	--

NATIONAL PARKWAY
DRIVEWAY DETAILS

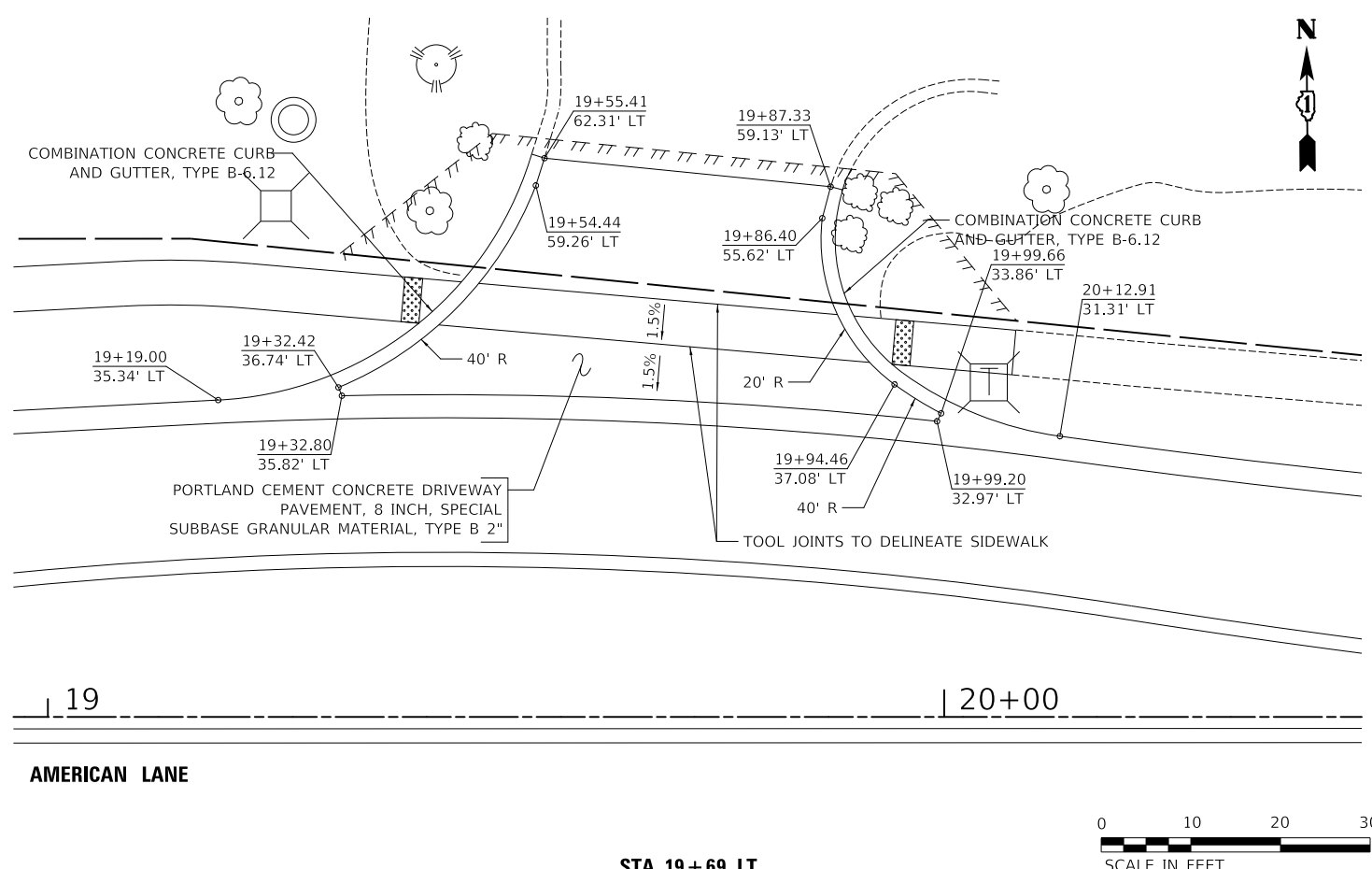
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	187
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



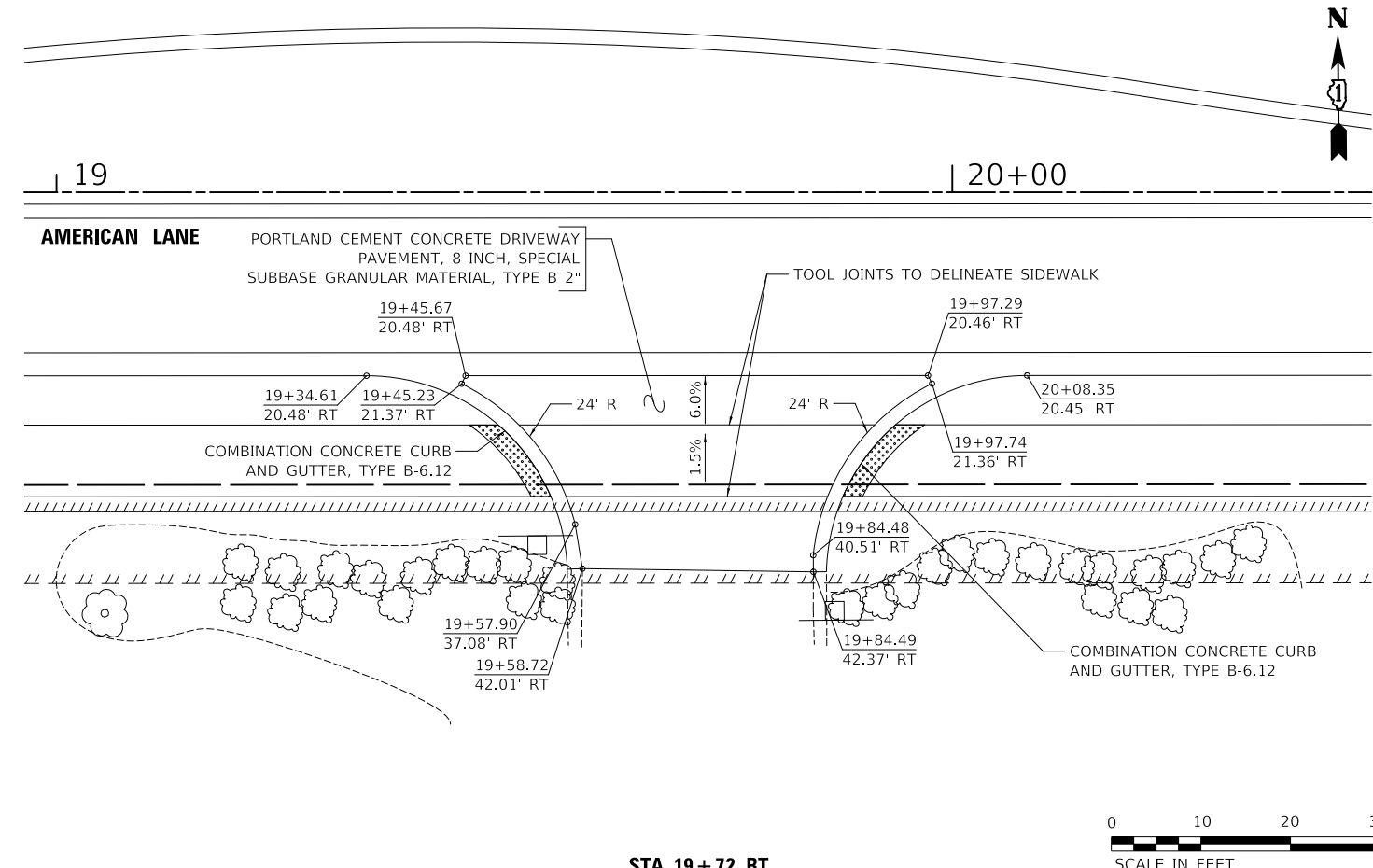
STA. 382+32 LT



STA. 385+90 LT



STA. 19+69 LT



STA. 19+72 RT

MODEL: \\MODEL\NAME: FILE: \\NAME: ...3252-DetailDriveway3.sdm

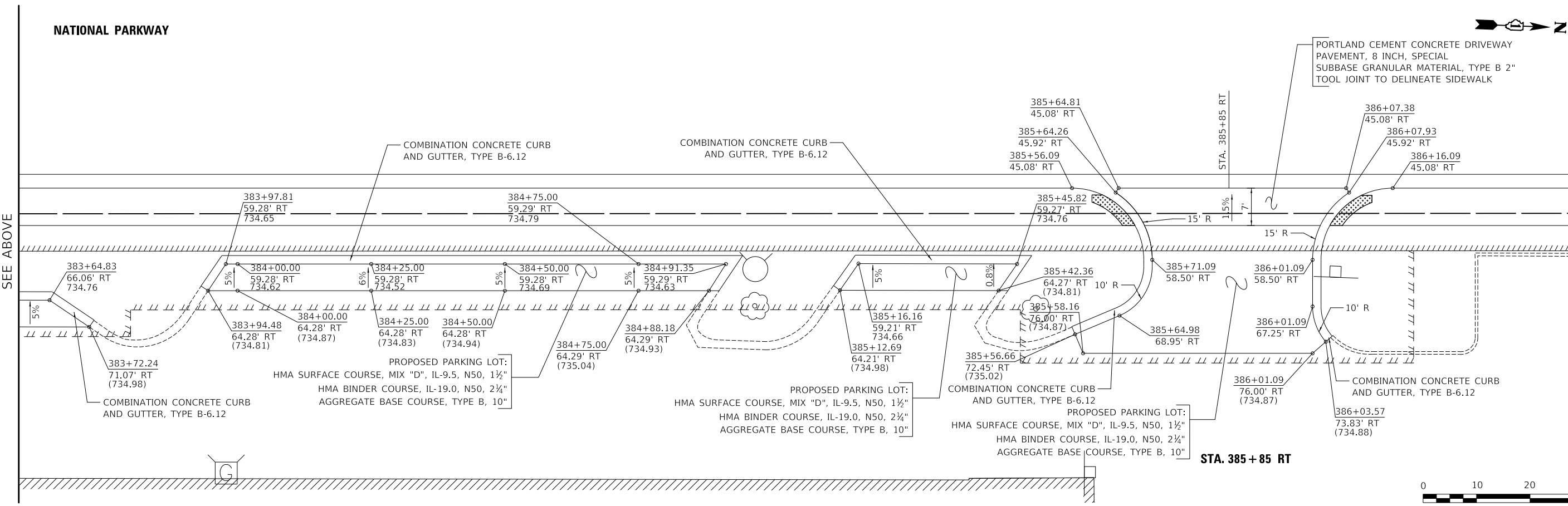
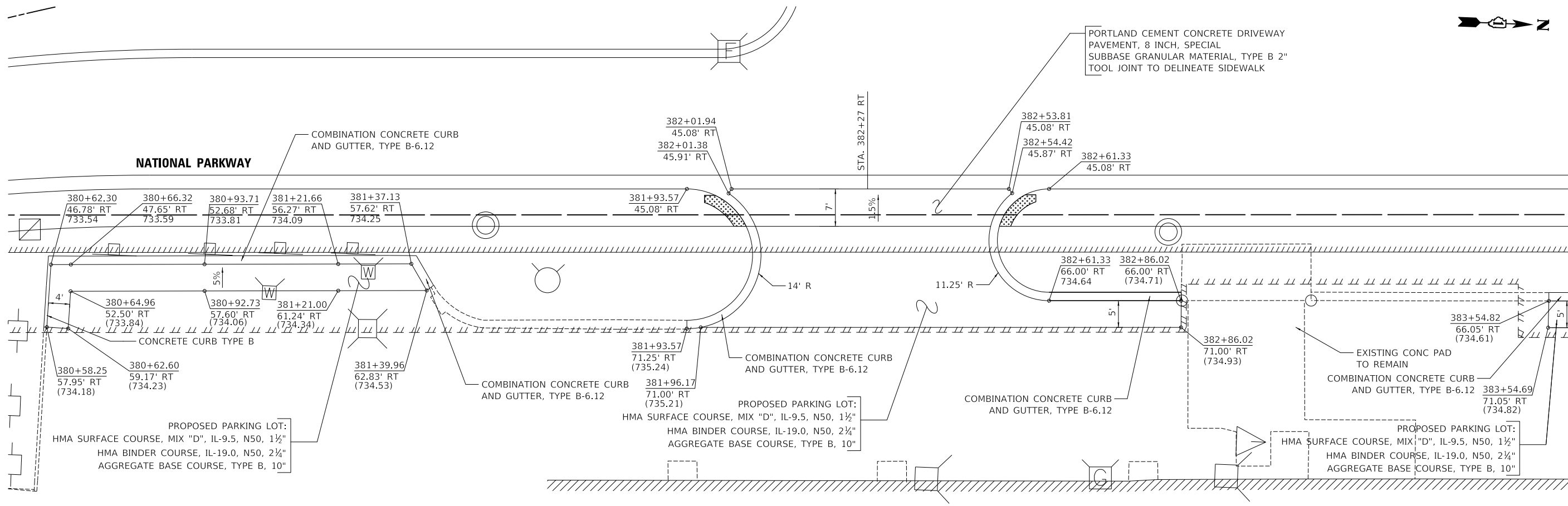
USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

NATIONAL PARKWAY
DRIVEWAY DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	188
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



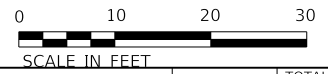
MODEL: \\MODEL\NAMES
 FILE NAME: \\031357\Drawings\Driveway\5.dwg

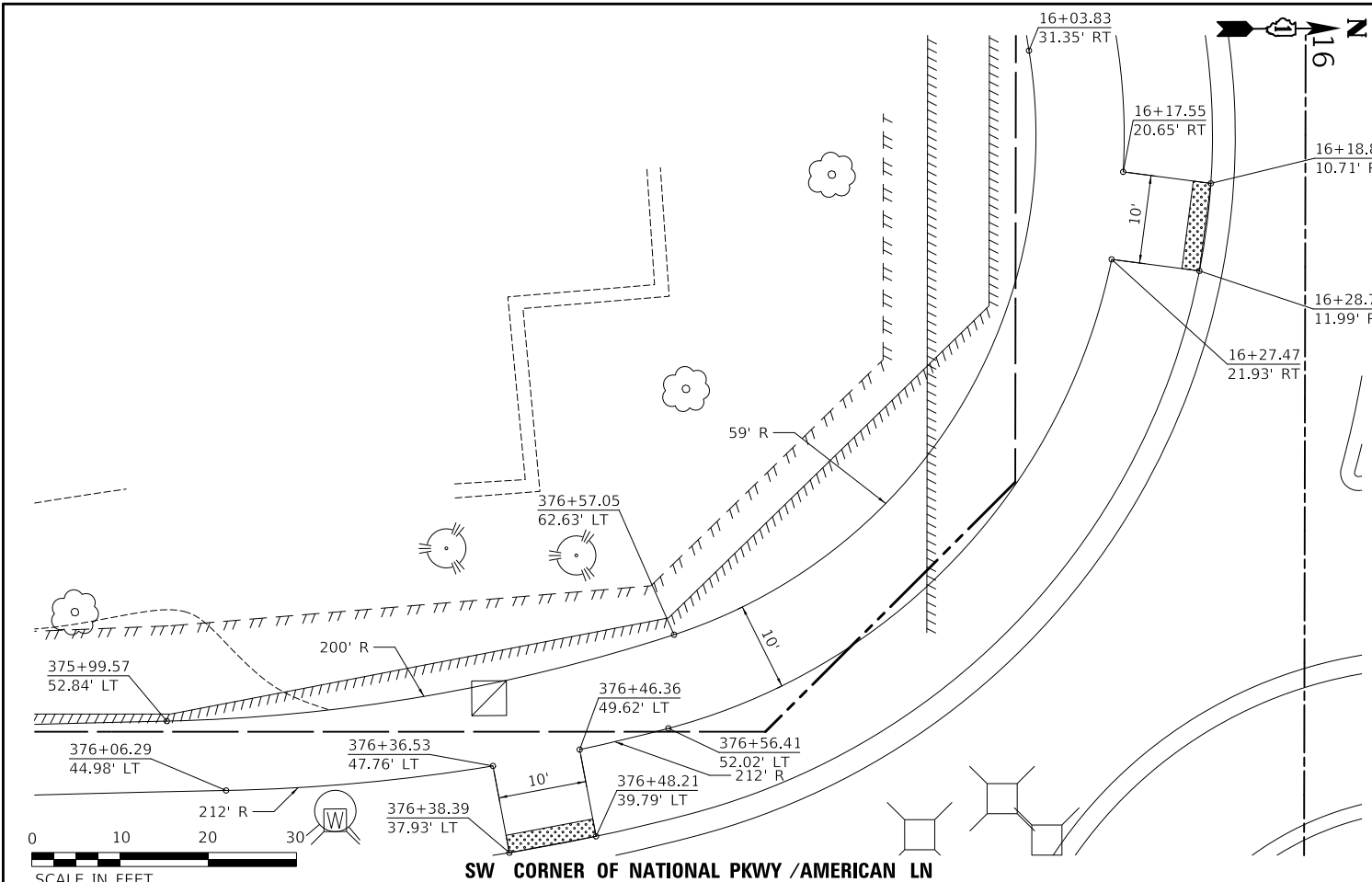
USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISIONS -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

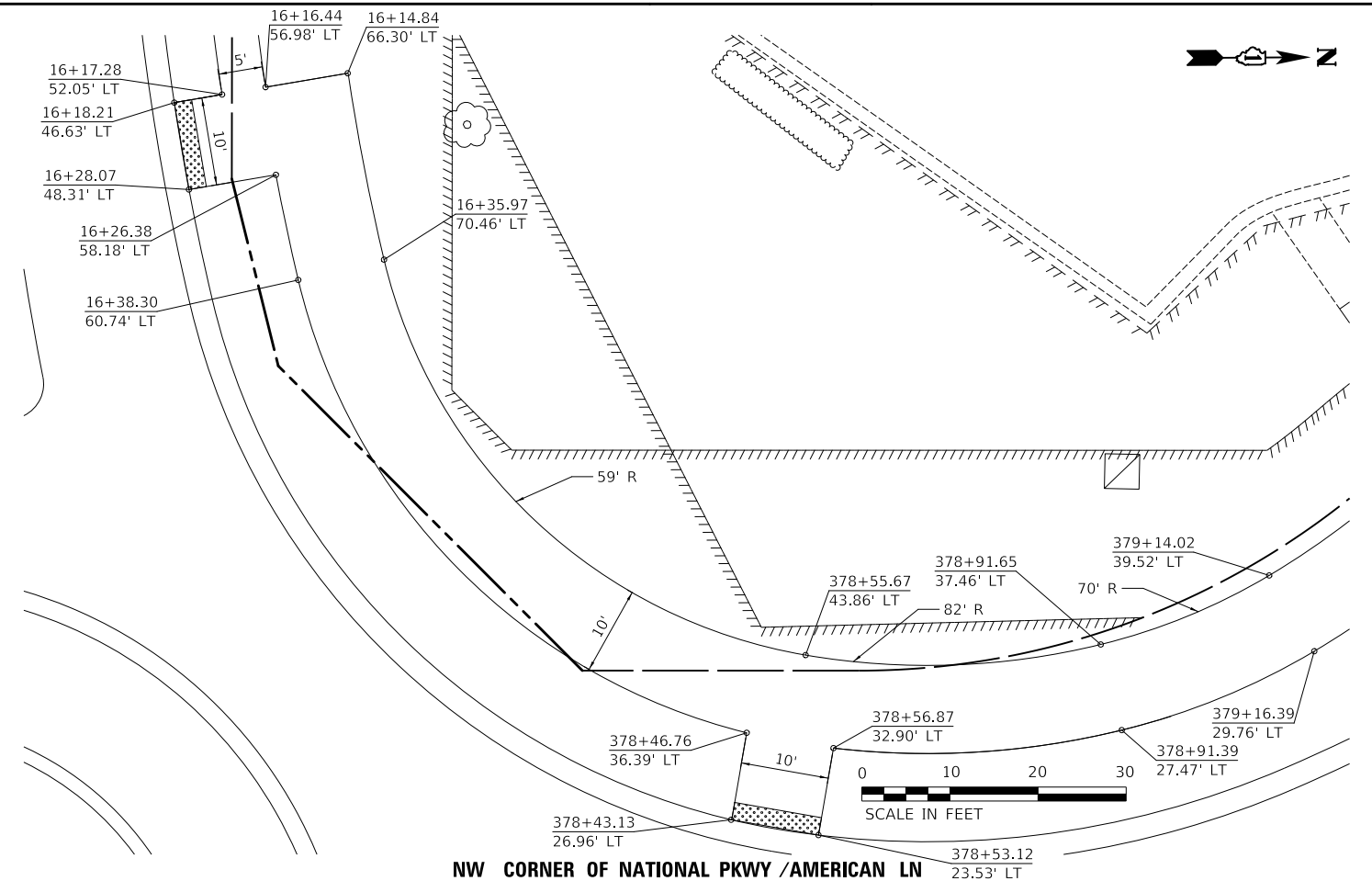
NATIONAL PARKWAY DRIVEWAY DETAILS		
SCALE: 1"=10'	SHEET 3 OF 3 SHEETS	

F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 189
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

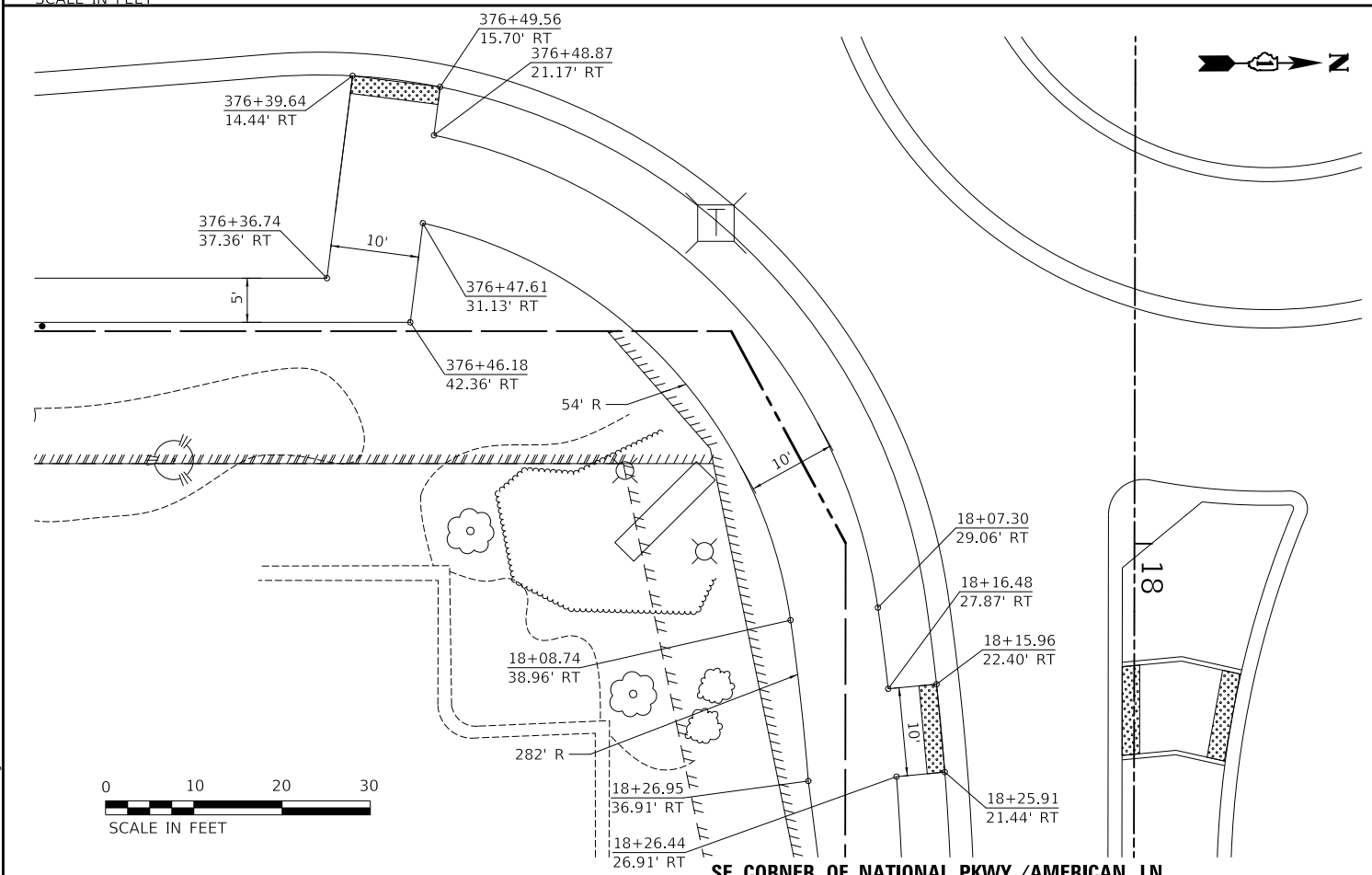




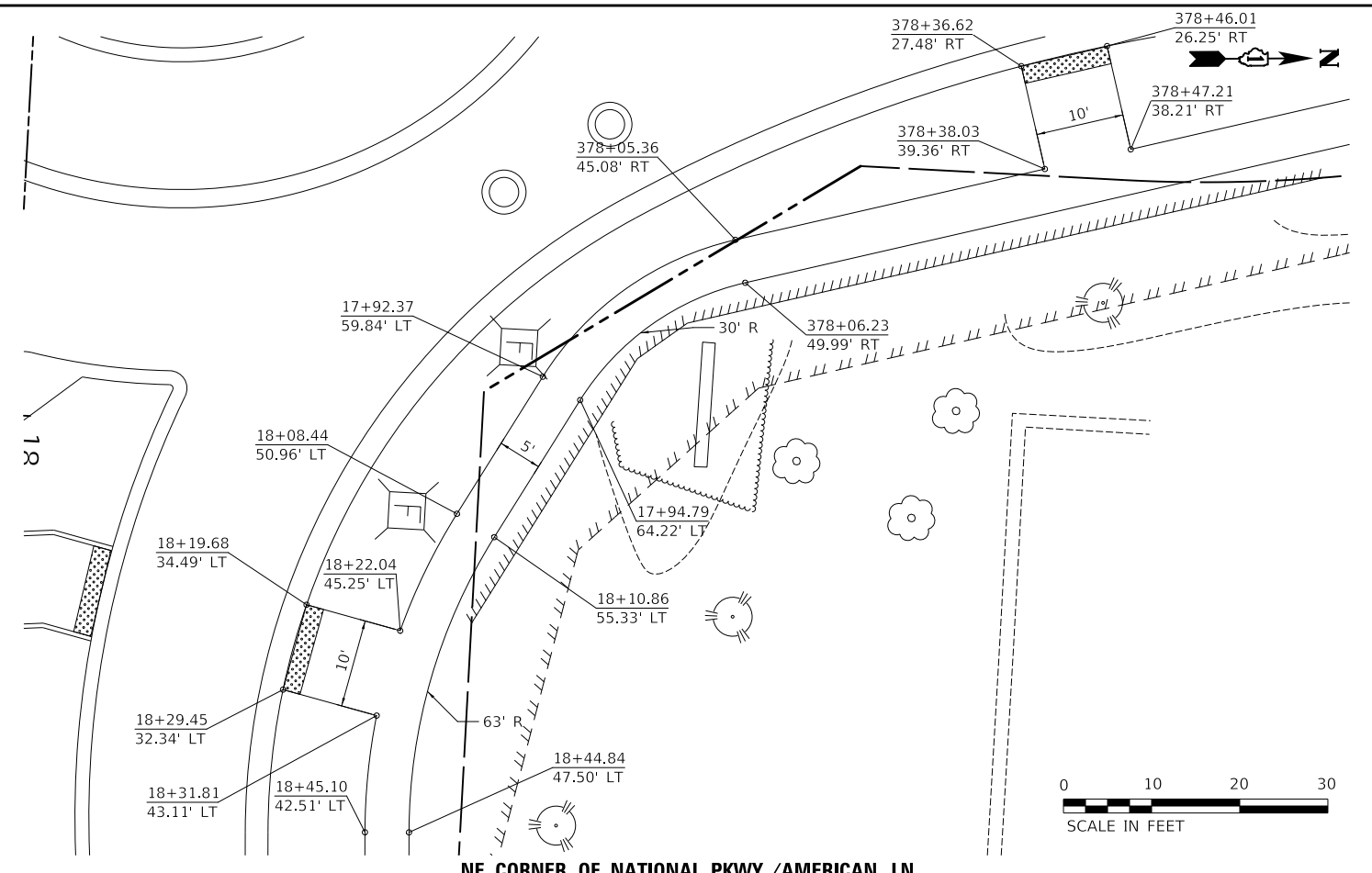
SW CORNER OF NATIONAL PKWY /AMERICAN LN



NW CORNER OF NATIONAL PKWY /AMERICAN LN



SE CORNER OF NATIONAL PKWY /AMERICAN LN



NE CORNER OF NATIONAL PKWY /AMERICAN LN

MODEL: s:\MODEL\NAME: FILE NAME: ...32572\Draw\Sidewalks.dgn

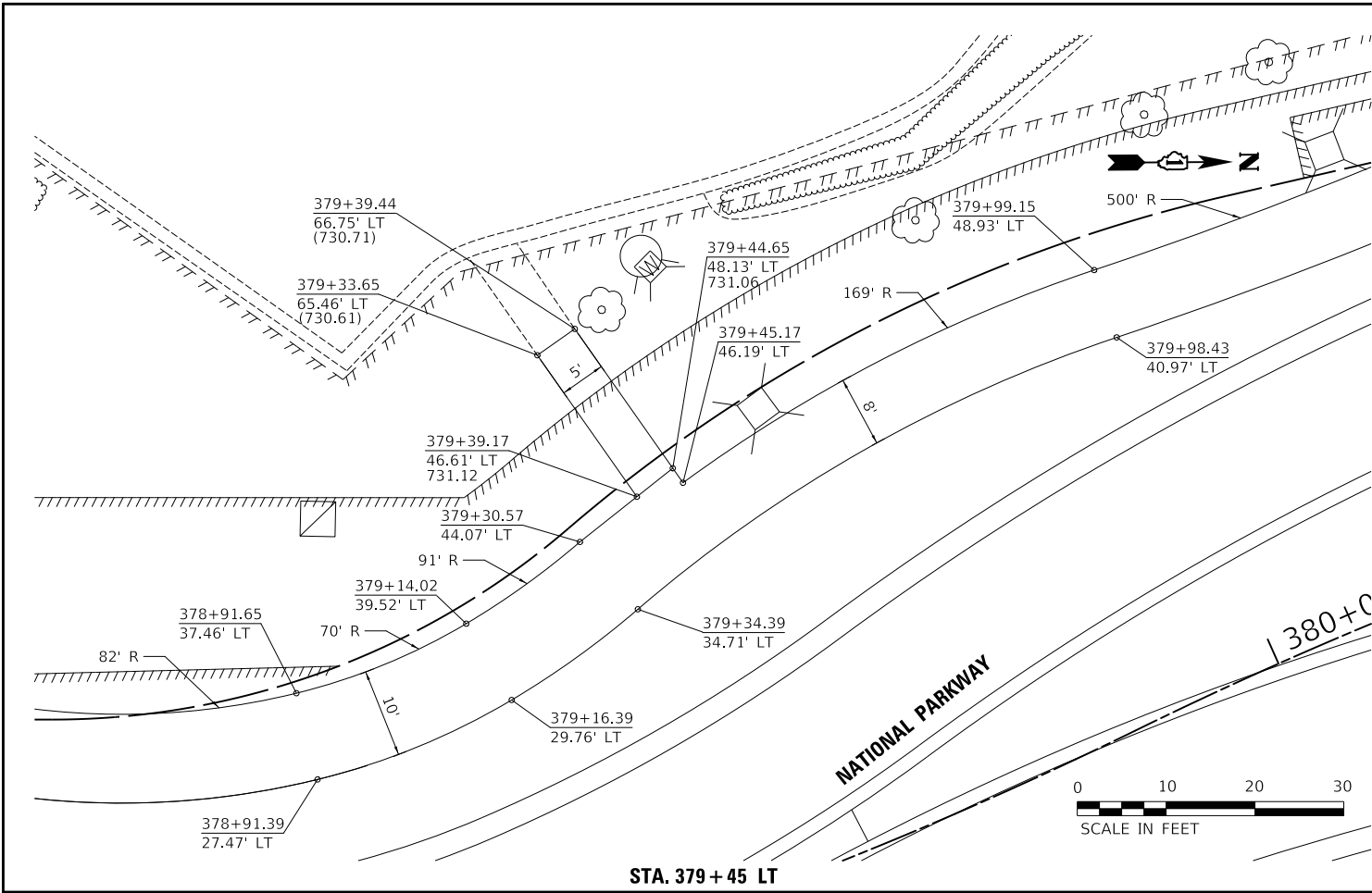
USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISIONS -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

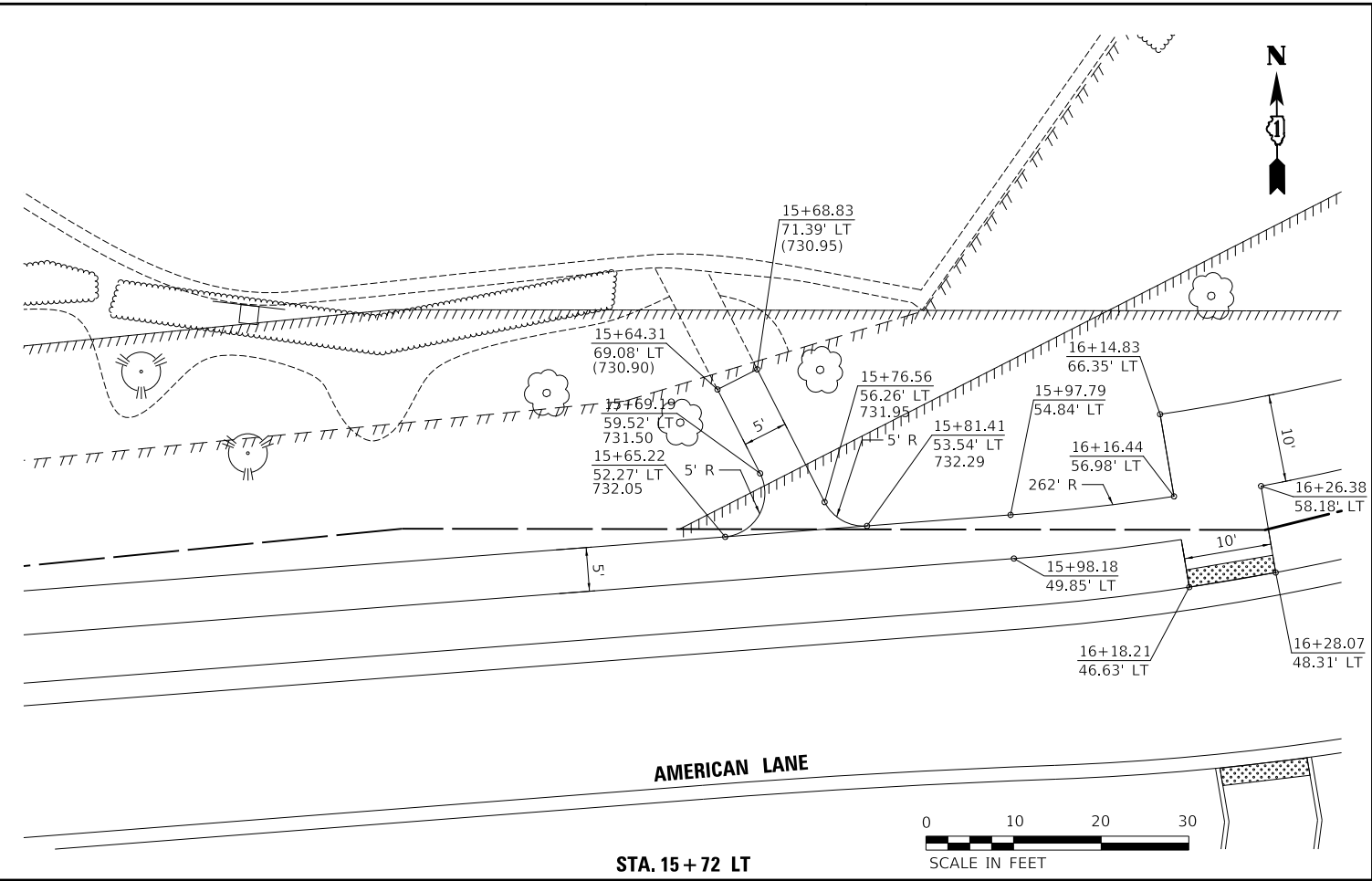
SCALE: 1"=10'	SHEET 1 OF 3 SHEETS
---------------	---------------------

NATIONAL PARKWAY
SIDEWALK DETAILS

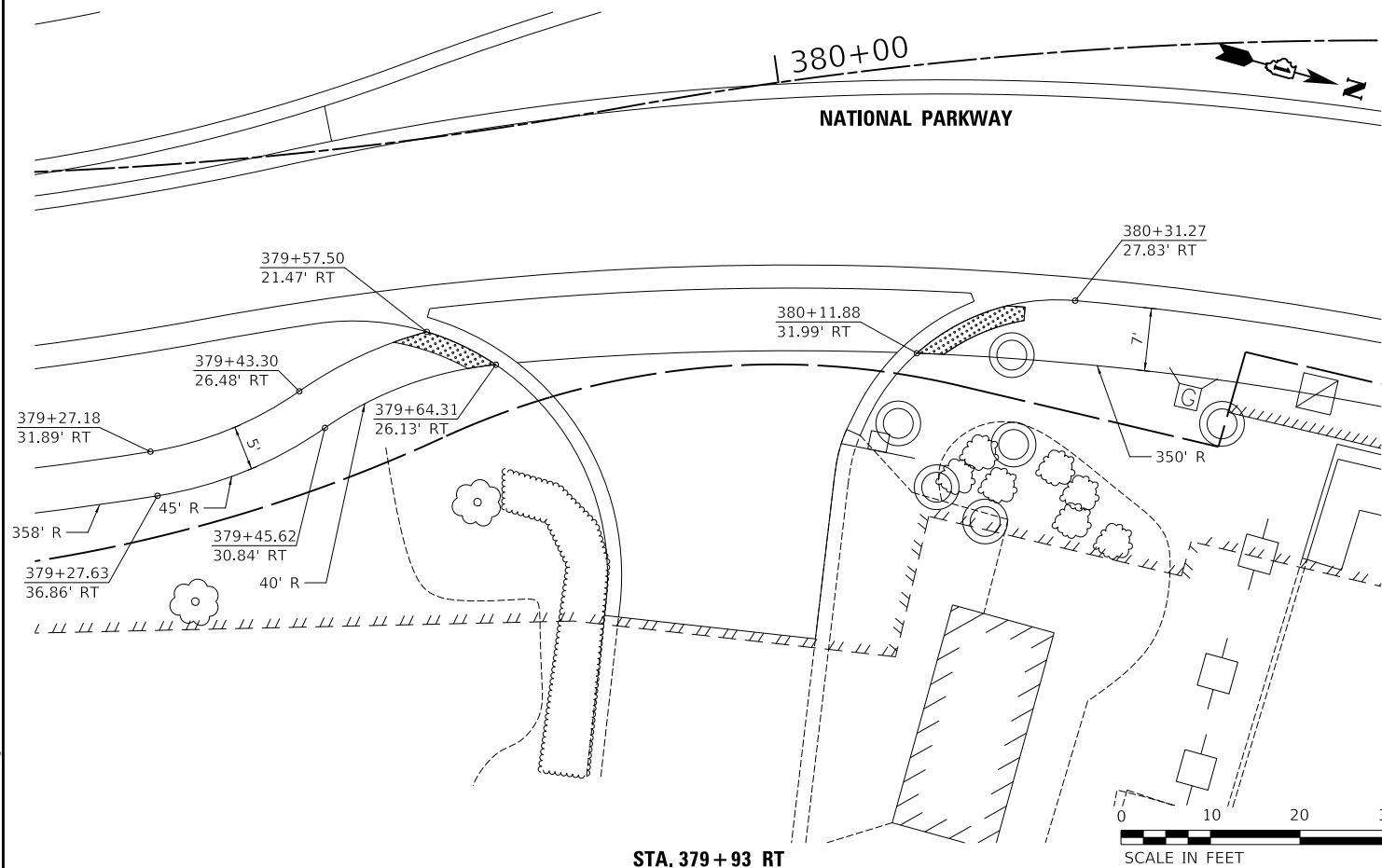
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	190
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



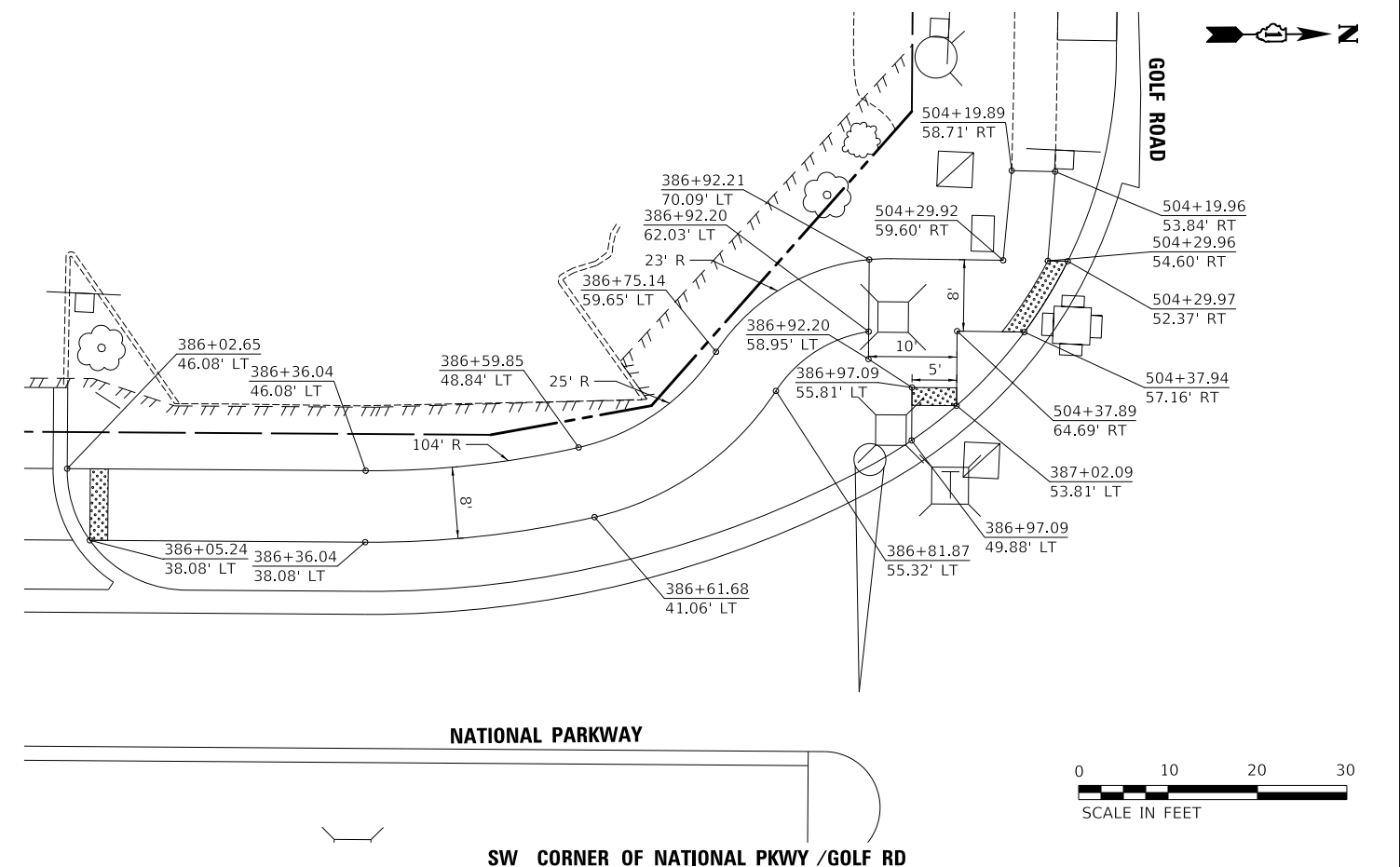
STA. 379 + 45 LT



STA. 15 + 72 LT



STA. 379 + 93 RT



SW CORNER OF NATIONAL PKWY /GOLF RD

MODEL: \\MODEL\NAMES
 FILE NAME: \\3252\Drawal\Sidewalks.dwg

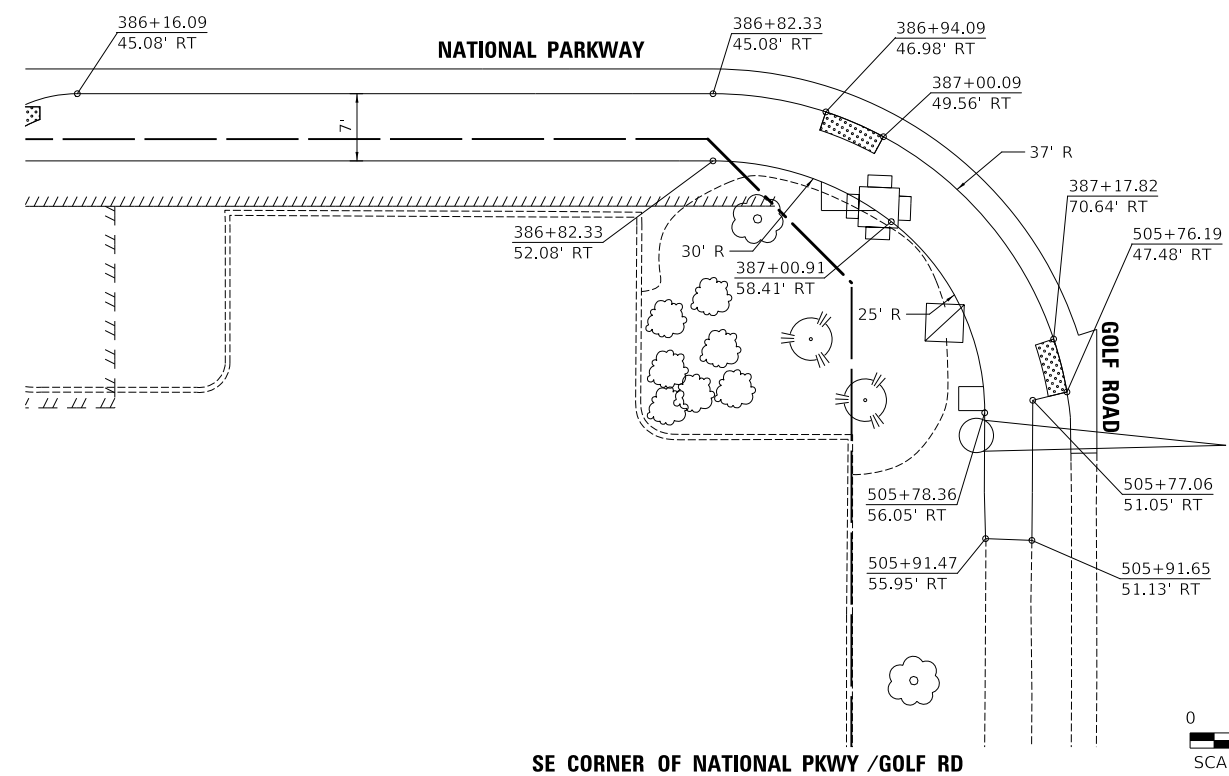
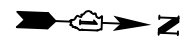
USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
SIDEWALK DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	191
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



SE CORNER OF NATIONAL PKWY /GOLF RD



MODEL: s:\MODEL\NAME
FILE: NAME: ...252-Detail-Sidewalk.dwg

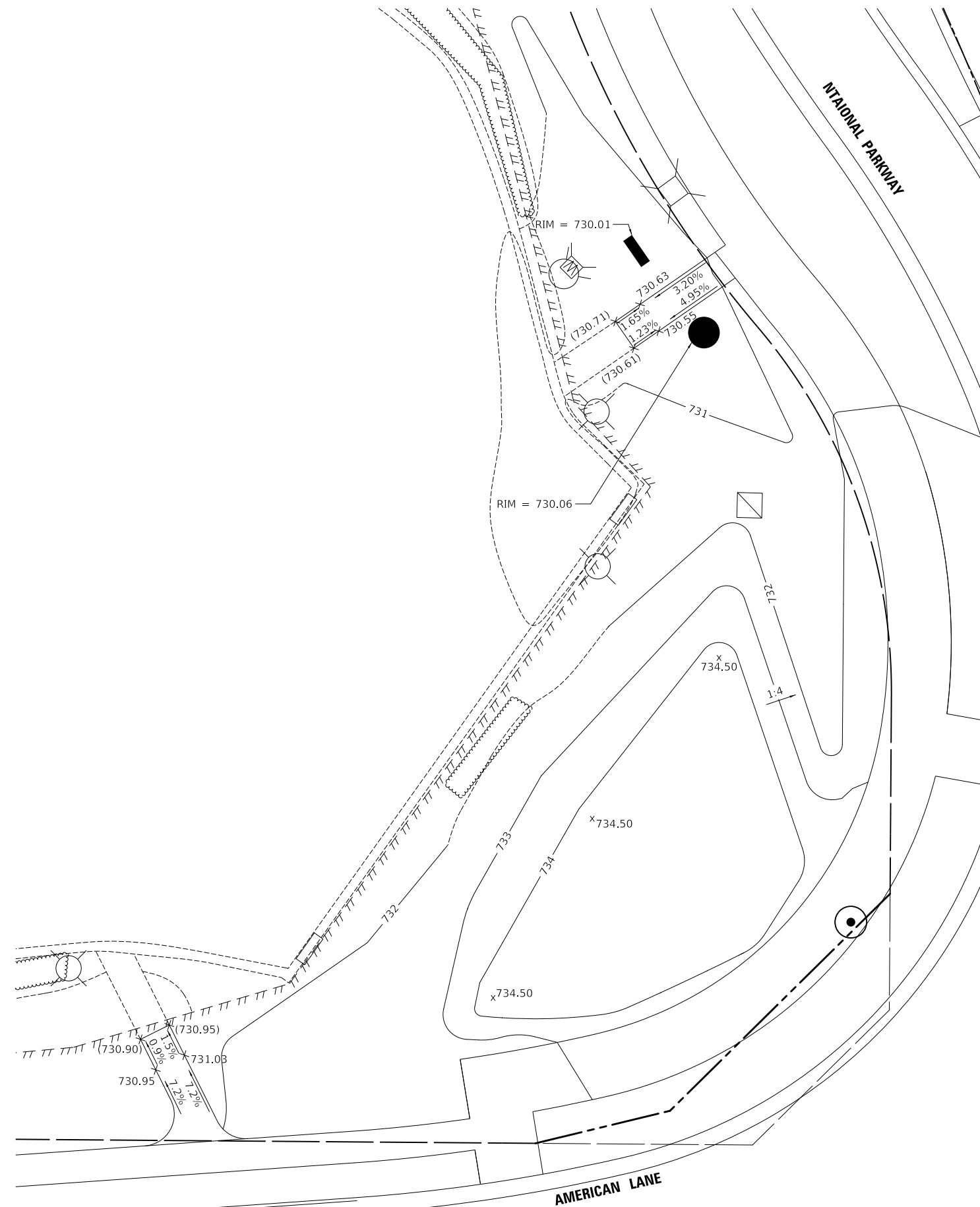
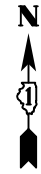
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
SIDEWALK DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	192
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



MODEL: \\MODELNAME
 FILE NAME: \\...\\2022\\61104\\0357_Contour Plan

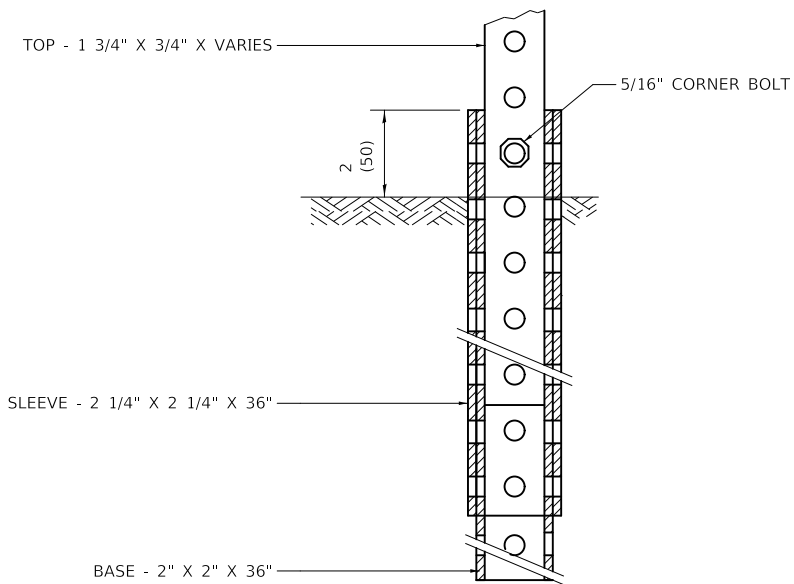
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

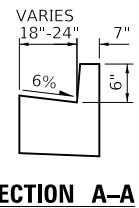
NATIONAL PARKWAY
CONTOUR PLAN

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

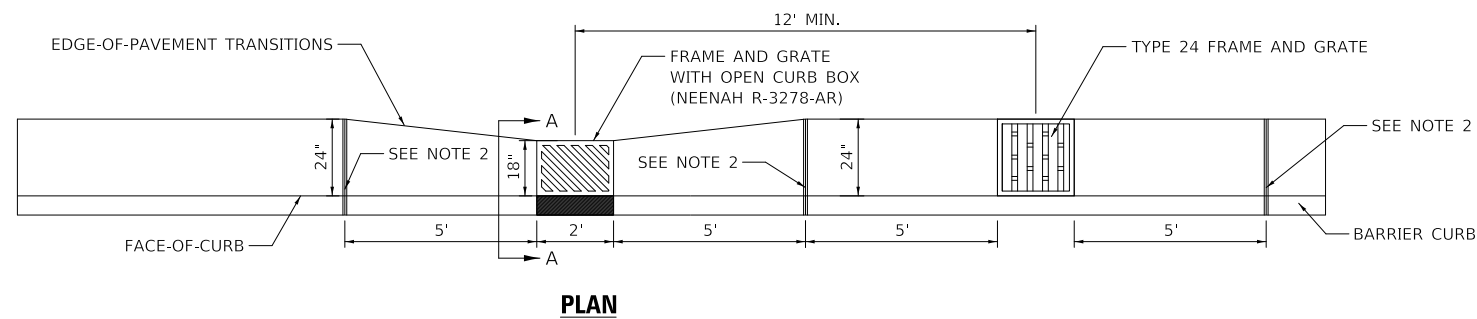
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	193
CONTRACT NO. 61104				
ILLINOIS FED. AID PROJECT				



TELESCOPING STEEL SIGN SUPPORT (SPECIAL) MOUNT DETAIL



SECTION A-A

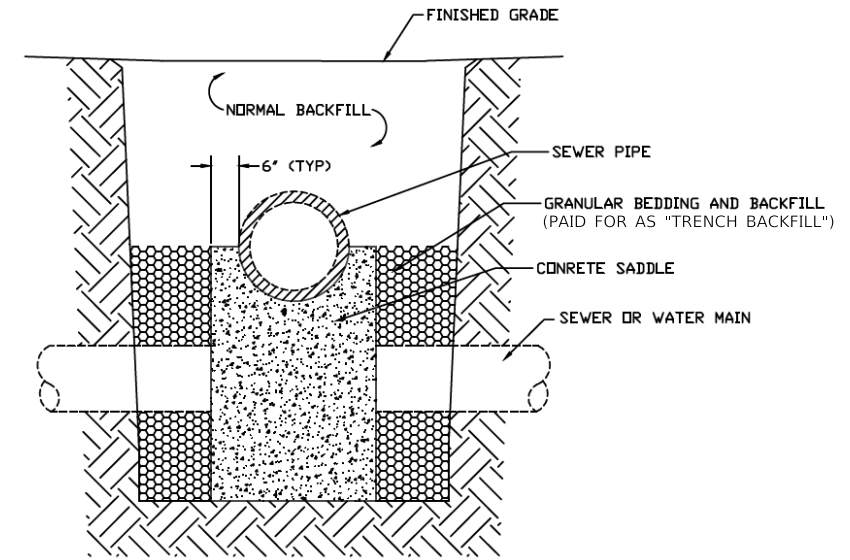
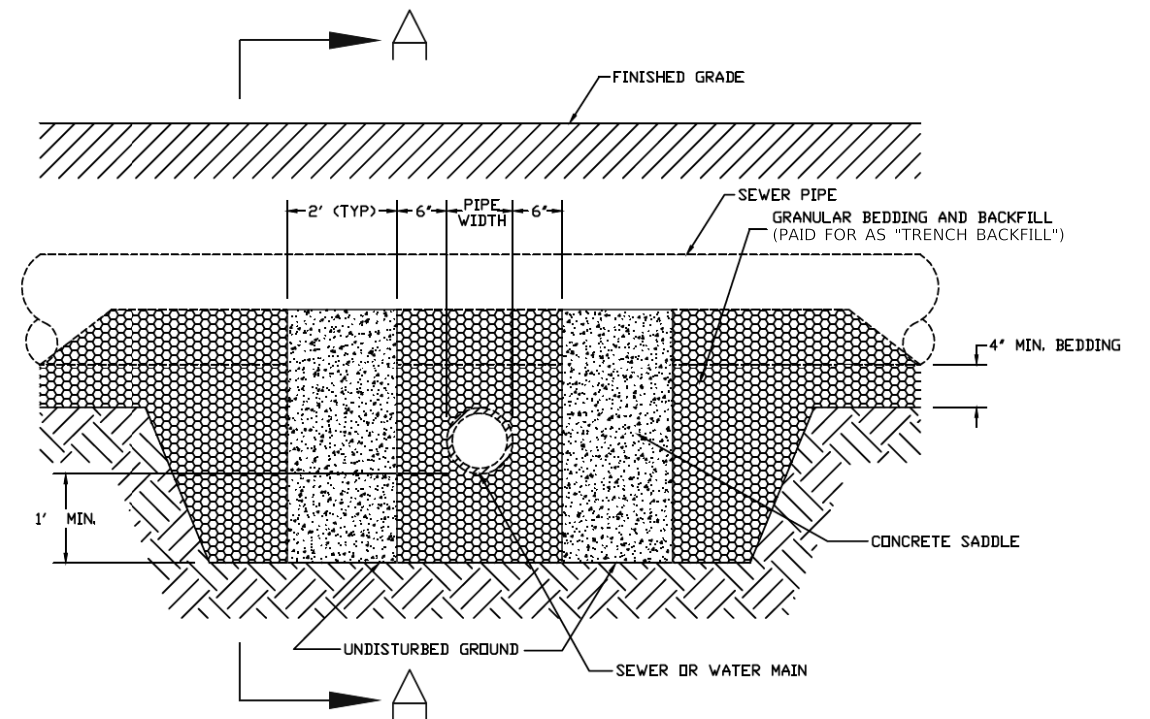


PLAN

CURB AND GUTTER TRANSITION DETAIL FOR SAG STRUCTURE IN B-6.24 CURB AND GUTTER

NOTES

1. ALL CURB AND GUTTER TRANSITIONS SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24".
2. EXPANSION JOINT PER IDOT STANDARD 606001.



SECTION A-A

CONCRETE SADDLE SUPPORT DETAIL

MODEL: \\MODELNAME
FILE NAME: \\120604080357_DET.dgn

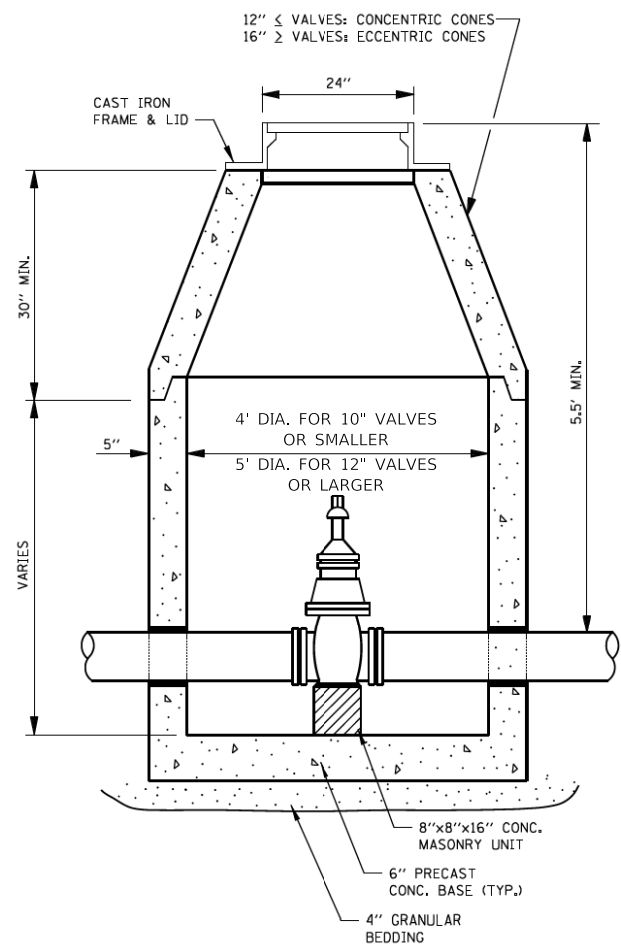
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

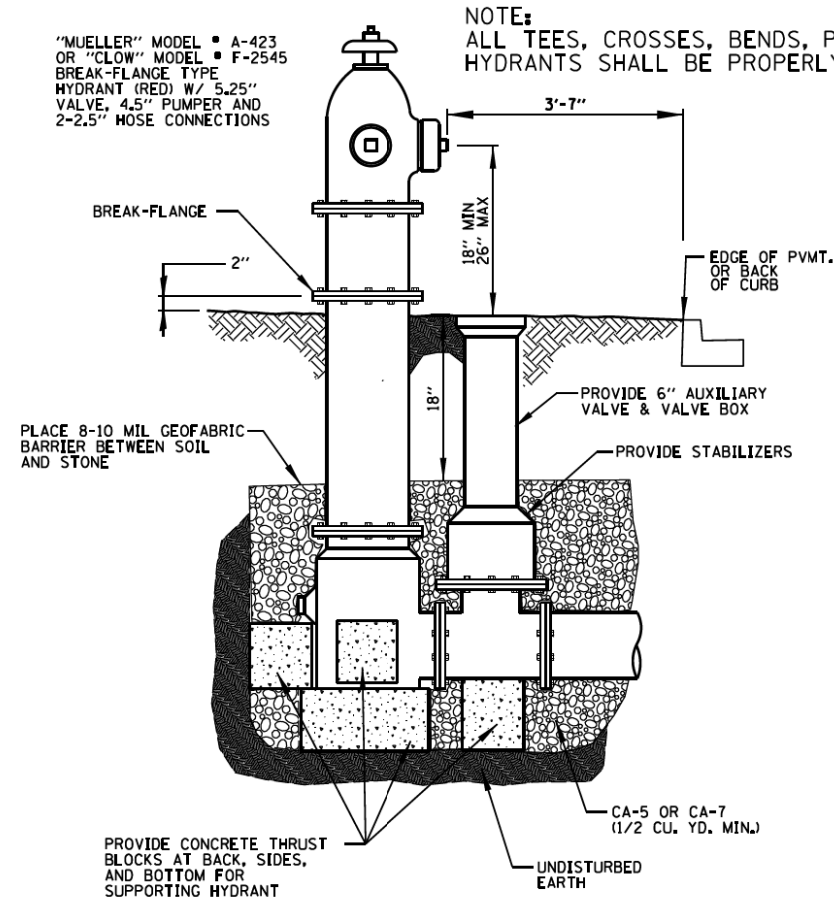
**NATIONAL PARKWAY
CONSTRUCTION DETAILS**

SHEET 1 OF 10 SHEETS

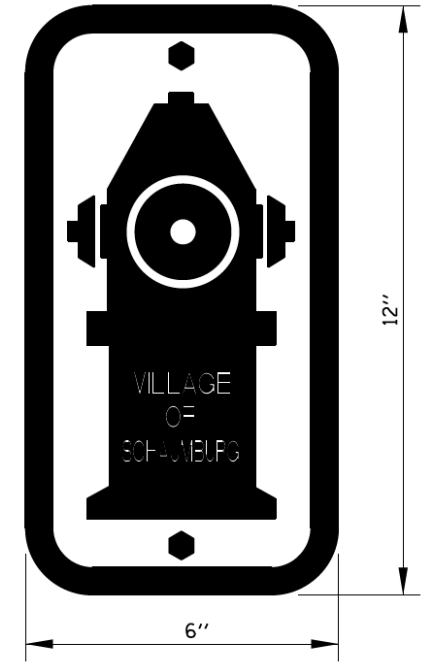
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	194
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



VALVE VAULT TYPE A



FIRE HYDRANT



HYDRANT SIGN

MODEL: \\MODEL\NAME
FILE NAME: ...12068480357_DET.dgn

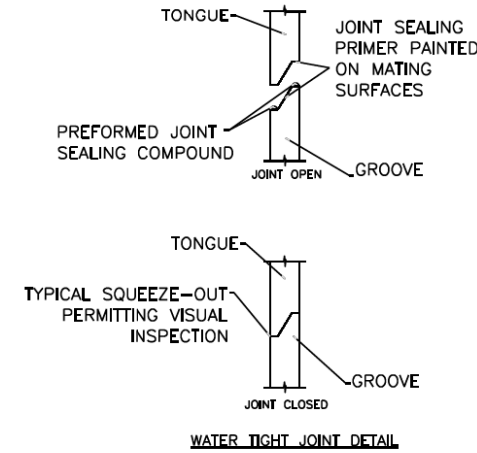
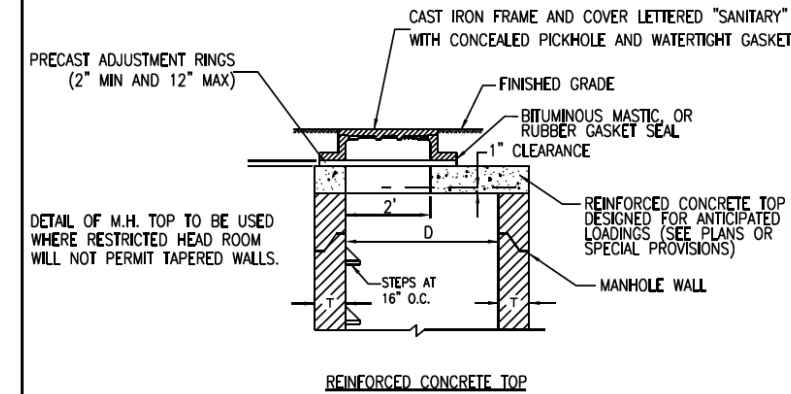
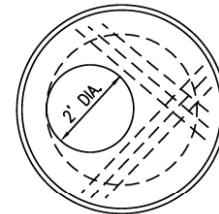
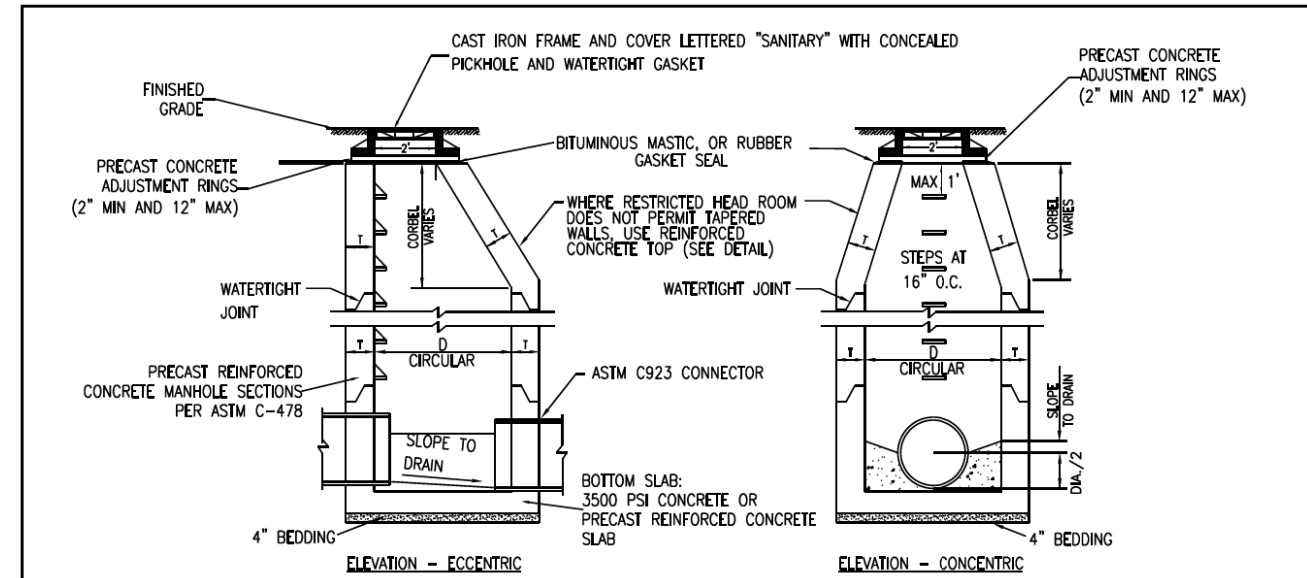
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
CONSTRUCTION DETAILS**

SHEET 2 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	195
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



1. MANHOLES TO HAVE PRECAST "RUBBER BOOTS" CONFORMING TO ASTM C-923 AT ALL PIPE CONNECTIONS.
2. SANITARY MANHOLES SUBJECT TO SATURATION SOIL CONDITIONS OR SURFACE SUBMERGENCE SHALL BE EQUIPPED WITH CHIMNEY SEALS AND WATER TIGHT BOLTED DOWN MANHOLE COVERS.
3. MASTIC SEALANT OR RUBBER GASKET SEAL MUST BE APPLIED BETWEEN CONCRETE & FLANGE OF FRAME BEFORE LID BOLTS ARE TIGHTENED.
4. SAFETY LANDINGS REQUIRED FOR MANHOLES GREATER THAN 28 FEET DEPTH (RIM TO INVERT). MAXIMUM VERTICAL SPACING OF SAFETY LANDING IS 20 FEET.
5. FOR DROP CONNECTIONS, USE DROP CONNECTION MANHOLE DETAIL.
6. FOR ONLINE CONNECTIONS GREATER THAN 15 INCHES, USE DOGHOUSE MANHOLE DETAIL.

ALT MATERIALS FOR WALLS	D	T (MIN.)
PRECAST REINFORCED CONCRETE SECTION	4 FEET 5 FEET 6 FEET	4 IN 5 IN 6 IN
CAST-IN-PLACE CONCRETE	4 FEET 5 FEET 6 FEET	4 IN 5 IN 6 IN

NOT TO SCALE

	TECHNICAL GUIDANCE MANUAL	7/1/15
	TYPICAL SANITARY MANHOLE 'A' AND 'B' DETAIL	
	STD. DWG. NO. 39 PAGE NO. 40	

MODEL: \\MODEL\NAMES
FILE NAME: \\1103\DRG\61104\0357_DET.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

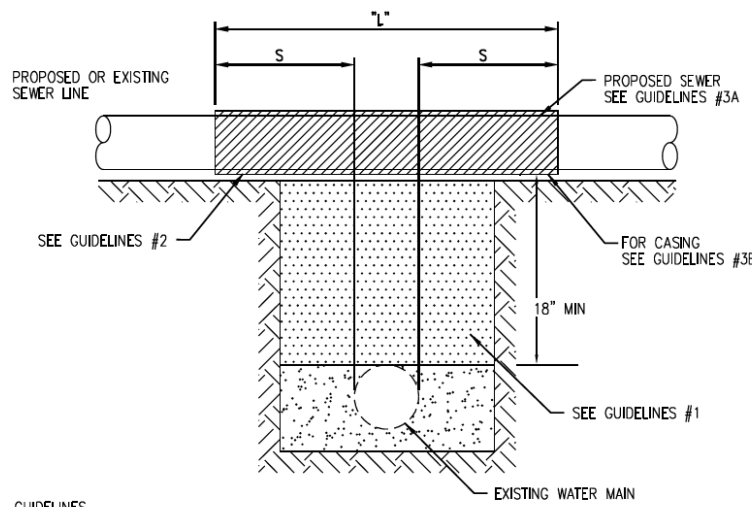
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
CONSTRUCTION DETAILS**

SHEET 3 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	196
CONTRACT NO. 61104				
ILLINOIS FED. AID PROJECT				

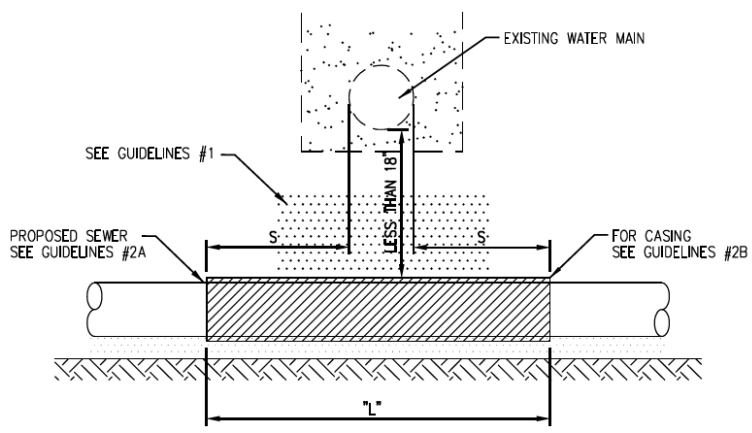
PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN



GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
 2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
 3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
- NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN
- *BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

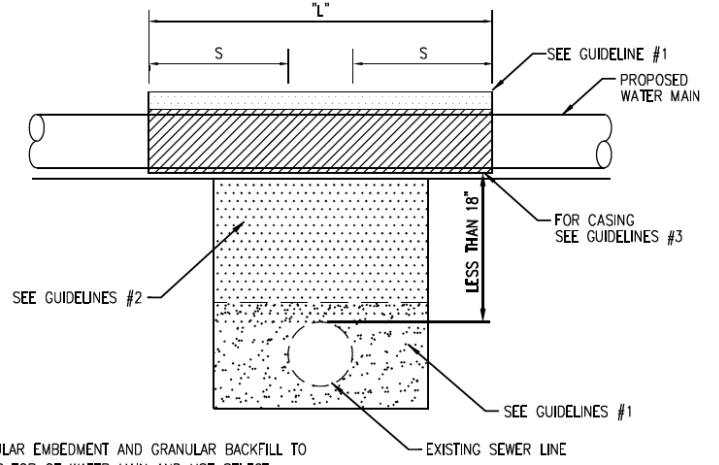
PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION



GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
 2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
 3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
- NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN
- *BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION

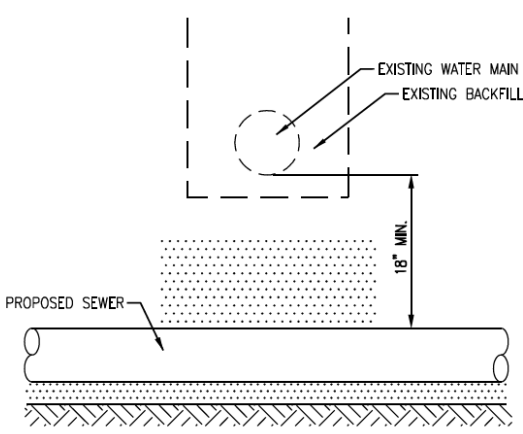


GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
 2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
 4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER
- NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.
- *BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PER IEPA, WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED

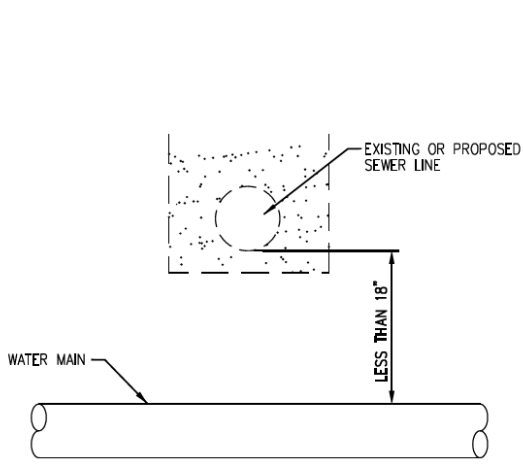
PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION



GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.
- *BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

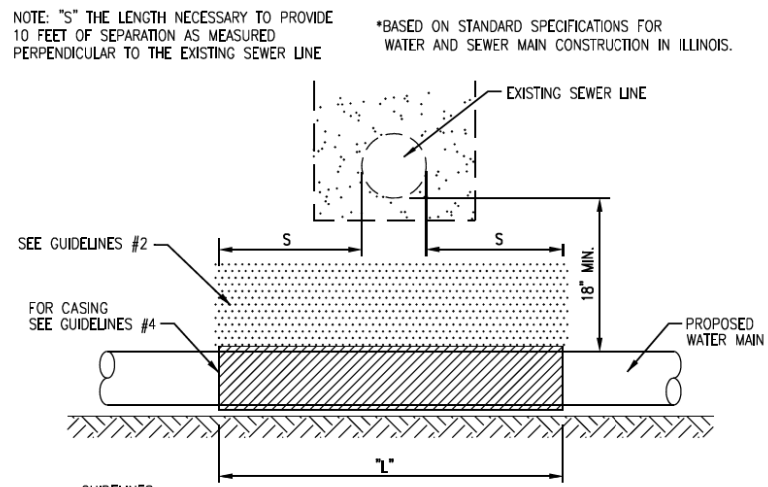
PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED.



NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

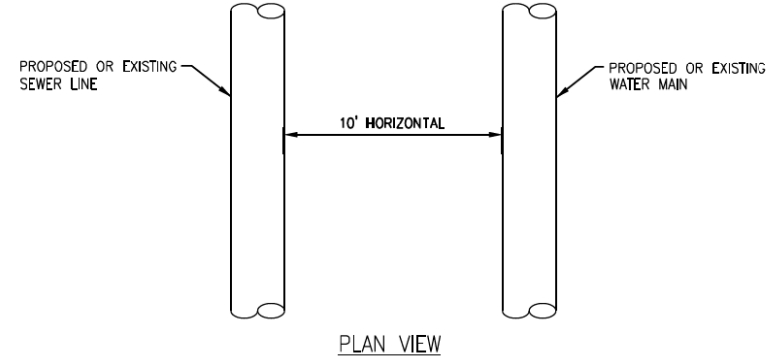
*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION



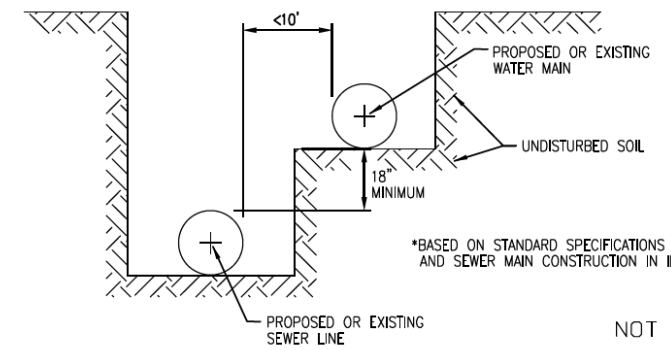
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
 2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
 4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
- NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE
- *BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.



PLAN VIEW

PER IEPA, WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY



*BASED ON STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

NOT TO SCALE



TECHNICAL GUIDANCE MANUAL

WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)

7/1/15

STD. DWG. NO. 41

PAGE NO. 42

MODEL: \\MODEL\NAMES
FILE NAME: \\L2\G068\0357_DET.dgn

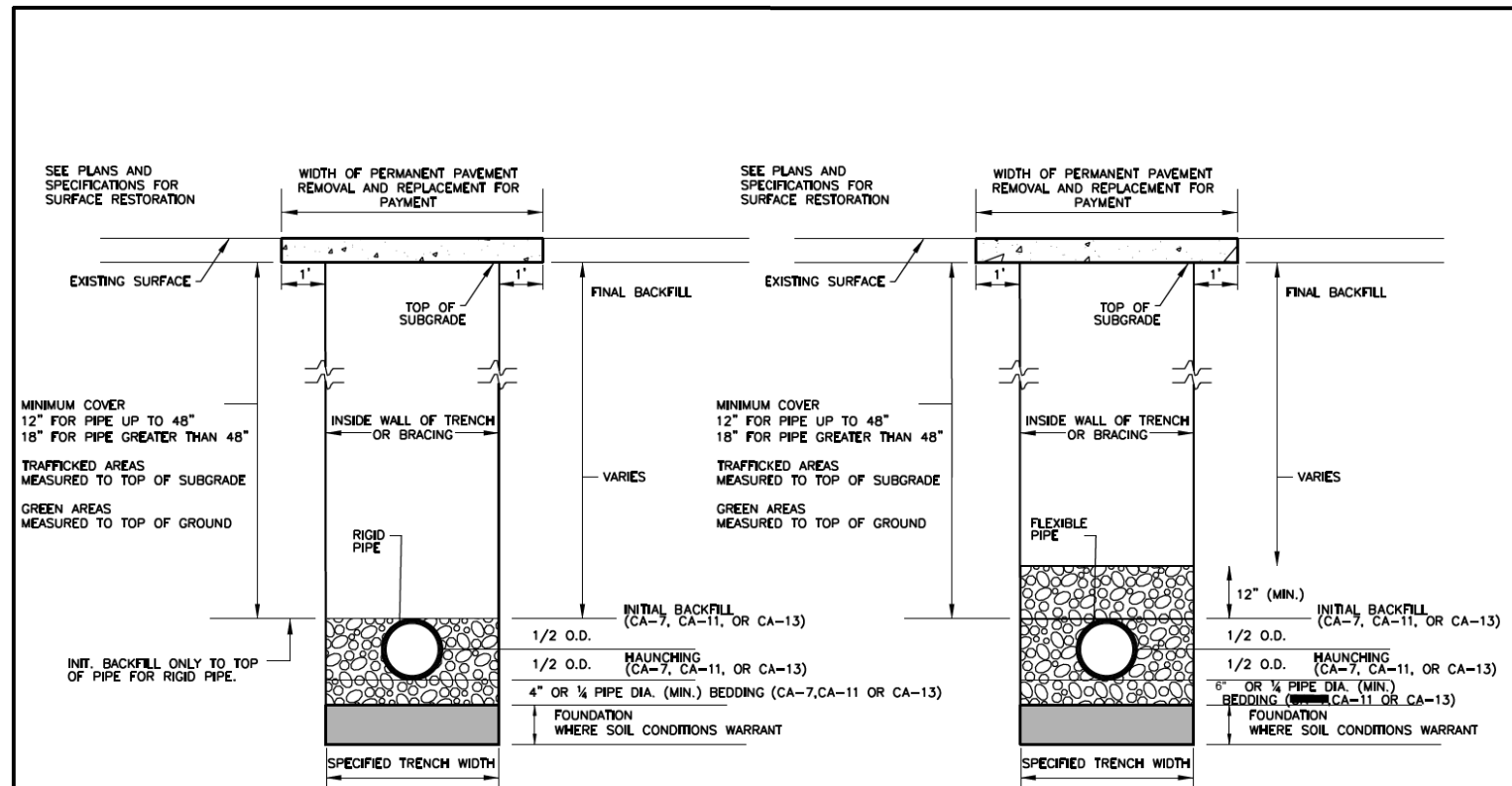
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
CONSTRUCTION DETAILS

SHEET 4 OF 10 SHEETS


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	197
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

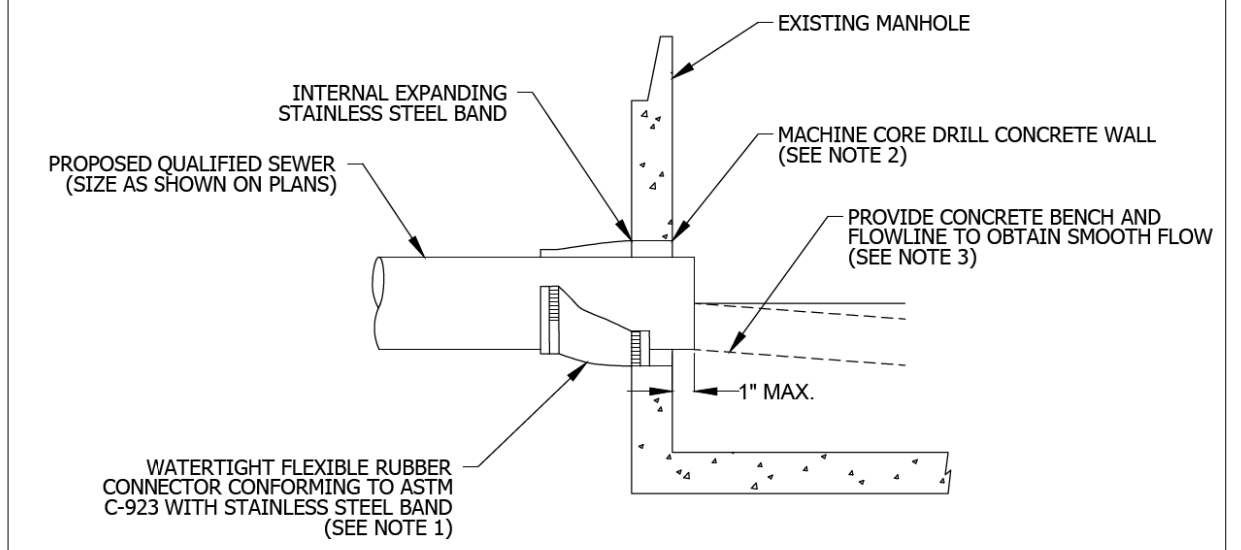


RIGID PIPE INSTALLATION DETAIL **FLEXIBLE PIPE INSTALLATION DETAIL**

NOTES:
 1. FOR QUALIFIED SEWER CONSTRUCTION ONLY.
 2. SHORING, OR EQUIVALENT PROTECTIVE SYSTEM, REQUIRED FOR TRENCHES OF 5' DEPTH OR GREATER, OR AS REQUIRED BY MUNICIPALITY.

NOT TO SCALE


	TECHNICAL GUIDANCE MANUAL		7/1/15
	RIGID AND FLEXIBLE PIPE INSTALLATION DETAIL		STD. DWG. NO. 34
			PAGE NO. 35



SECTION

- NOTES:
1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
 2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
 3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
 4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
 5. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
 6. REINFORCED CONCRETE COLLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES.

NOT TO SCALE

	TECHNICAL GUIDANCE MANUAL		10/02/18
	PIPE TO EXISTING MANHOLE CONNECTION DETAIL		STD. DWG. NO. 42
			PAGE NO. 43

MODEL: \\MODEL\NAME: \\FILE NAME: ...120208040357_DET.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

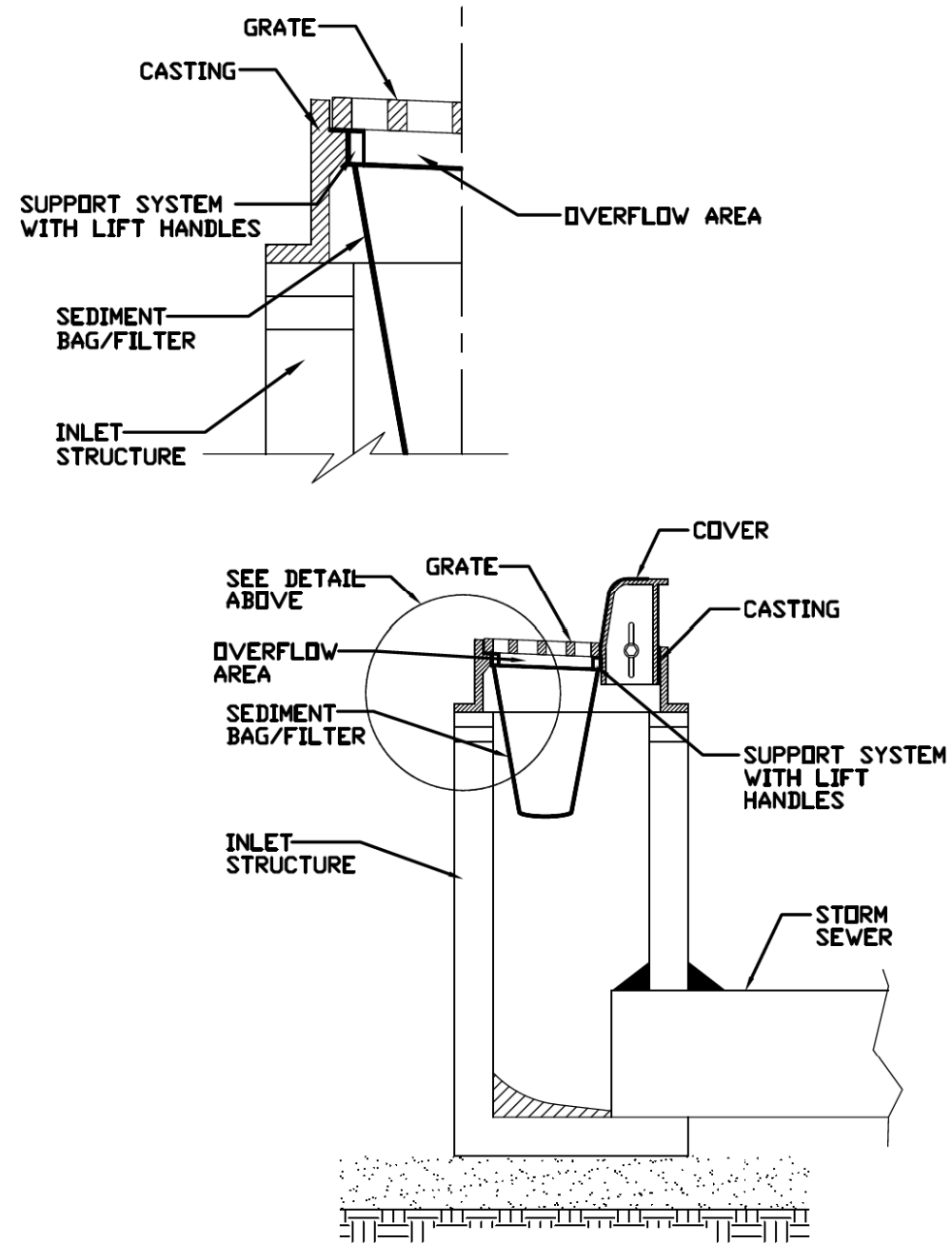
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
CONSTRUCTION DETAILS**

SHEET 5 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	198
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
IUM-561D
 SHEET 1 OF 1
 DATE 01-11-11

MODEL: \\MODEL\NAME
FILE: NAME: ...12068480357_DET.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

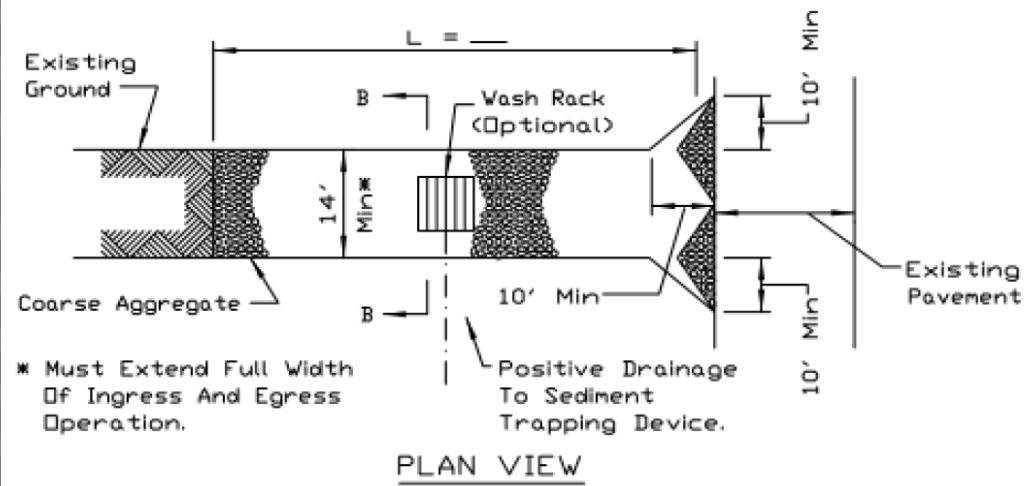
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
CONSTRUCTION DETAILS**

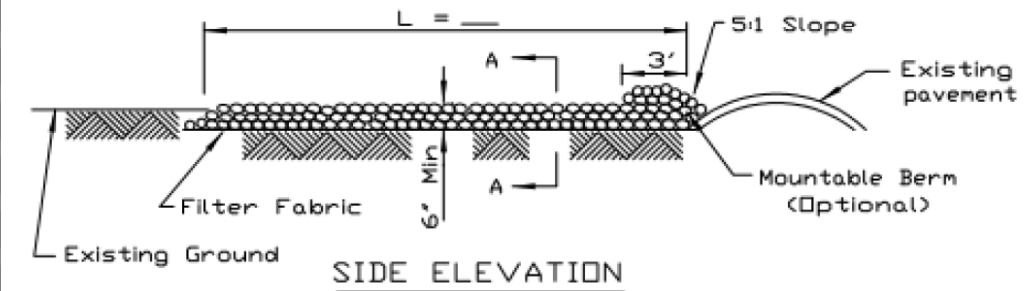
SHEET 6 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	199
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

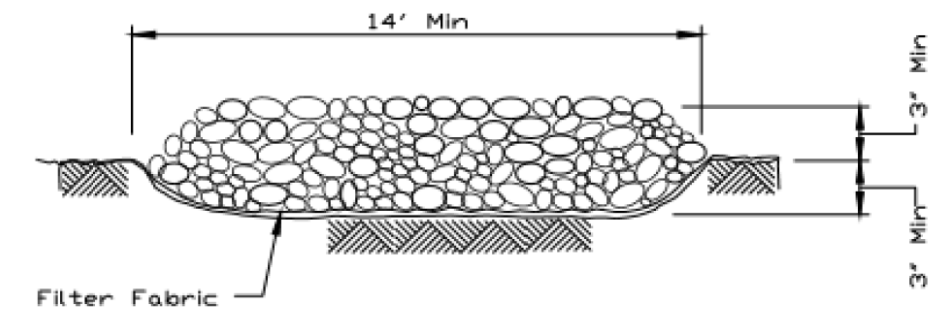
- NOTES:**
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	Project _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

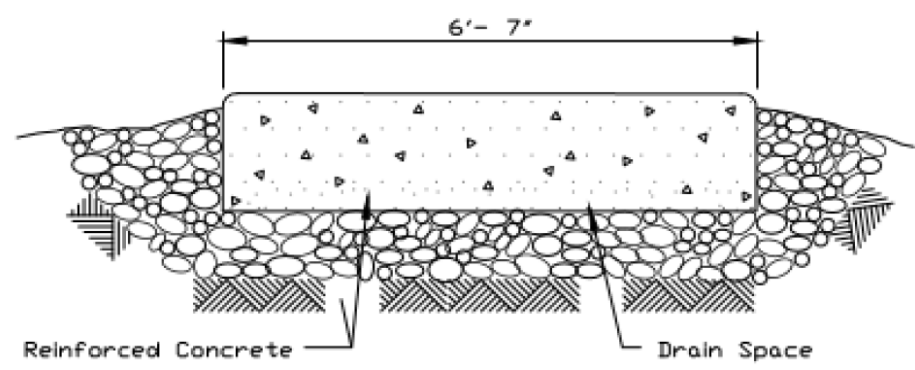


STANDARD DWG. NO.
IL-630
SHEET 1 OF 2
DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE	Project _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.
IL-630
SHEET 2 OF 2
DATE 8-18-94

MODEL: \\MODEL\NAMES
FILE NAME: \\3206848\0357_DET.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

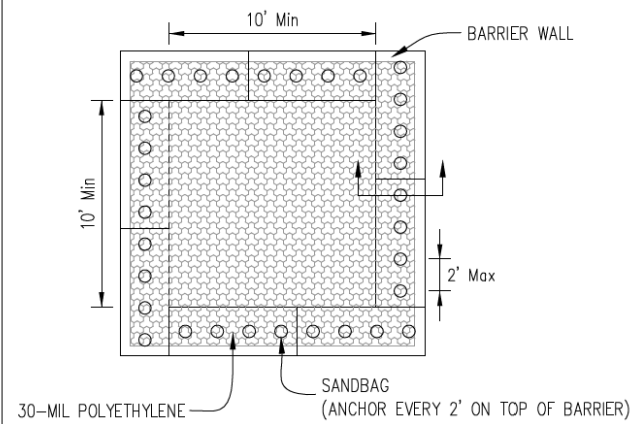
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
CONSTRUCTION DETAILS

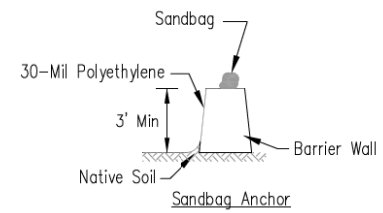
SHEET 7 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	200
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

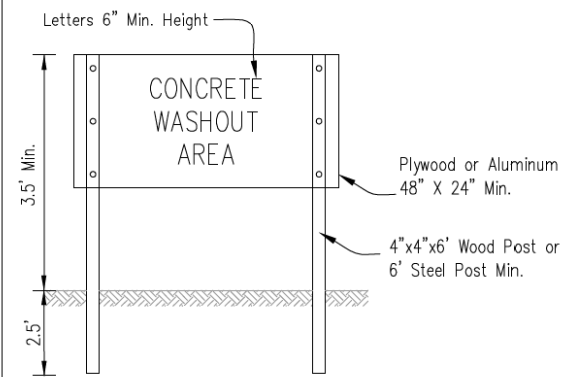
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

Sheet 3 of 10
 Date Plotted: 10/31/2022
 User: djm
 Project: 16-00127-03-PV

TEMPORARY CONCRETE
 WASHOUT FACILITY - BARRIER WALL

Designed: _____ Date: _____
 Drawn: E. JOHNSON 6/08
 Checked: _____
 Approved: _____

MODEL: \\MODELNAME
 FILE NAME: \\16-00127-03-PV-0357_DET.dwg

USER NAME = djm	DESIGNED - JAT	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NATIONAL PARKWAY
 CONSTRUCTION DETAILS

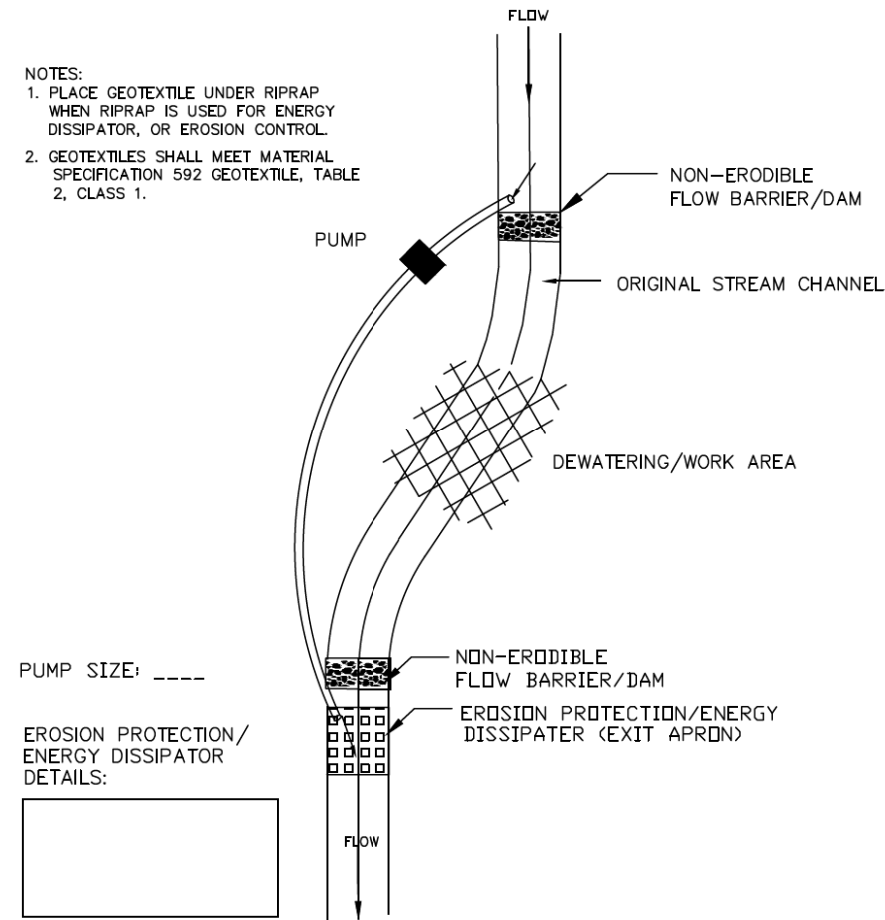
SHEET 8 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	201
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

TEMPORARY STREAM DIVERSION - BYPASS PUMP

NOTES:

1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL.
2. GEOTEXTILES SHALL MEET MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 2, CLASS 1.



PUMP SIZE: _____

EROSION PROTECTION/ENERGY DISSIPATOR DETAILS:



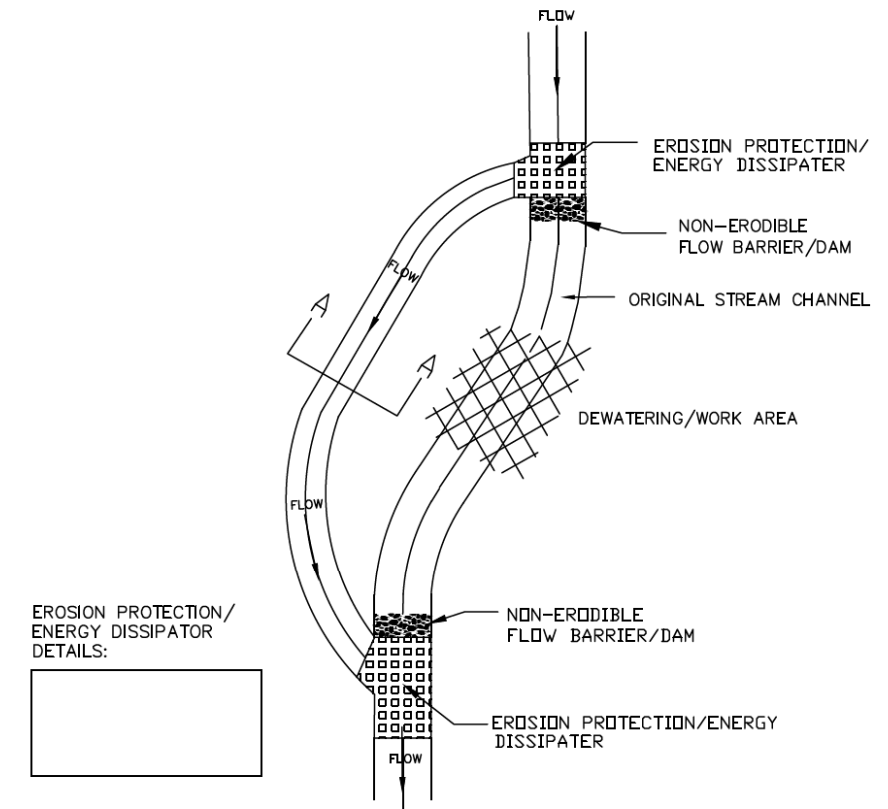
TYPICAL PUMPED DIVERSION PLAN

REFERENCE	Project _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IUM-676BP
SHEET	1 OF 1
DATE	7-29-2011

TEMPORARY STREAM DIVERSION - DIVERSION CHANNEL

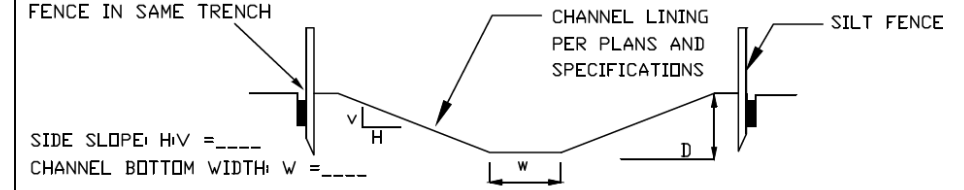


EROSION PROTECTION/ENERGY DISSIPATOR DETAILS:



TYPICAL DIVERSION CHANNEL PLAN

ENTRENCH GEOTEXTILE (WHEN USED) AND SILT FENCE IN SAME TRENCH



TYPICAL DIVERSION CHANNEL CROSS SECTION

REFERENCE	Project _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IUM-676PD
SHEET	1 OF 1
DATE	7-29-2011

MODEL: \\MODEL\NAME: FILE: NAME: ...10312022\0357_DET.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
CONSTRUCTION DETAILS**

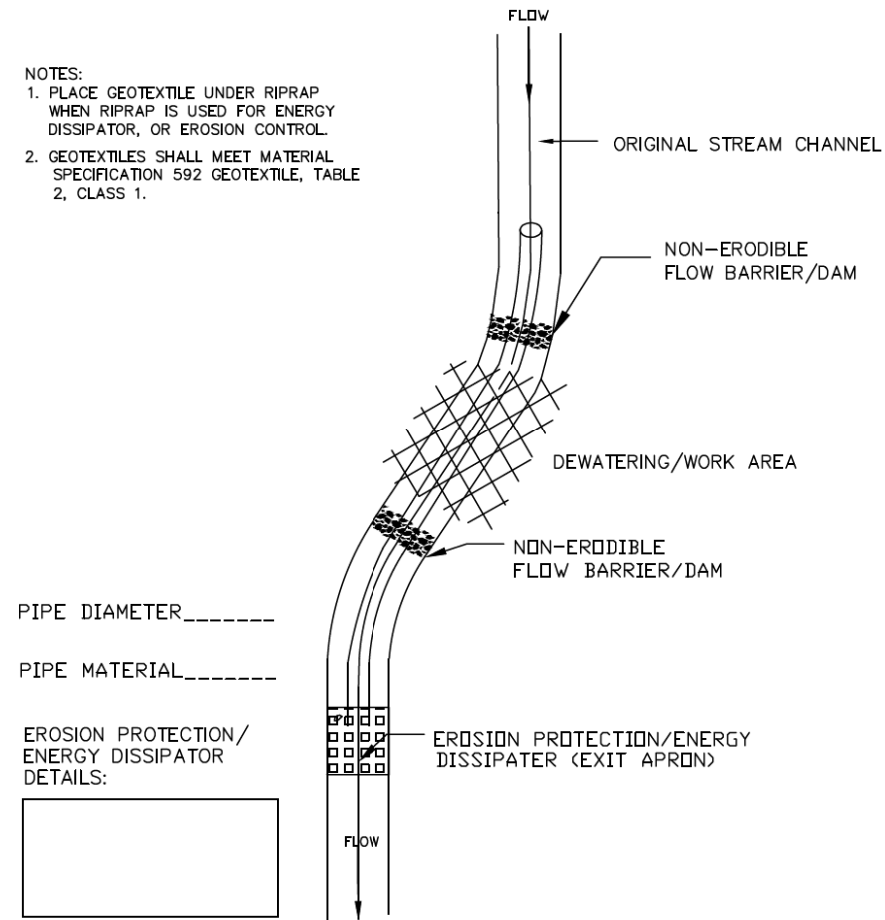
SHEET 9 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	202
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

TEMPORARY STREAM DIVERSION - PIPE DIVERSION

NOTES:

1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL
2. GEOTEXTILES SHALL MEET MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 2, CLASS 1.



TYPICAL PIPE DIVERSION PLAN

REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
 IUM-676PD
 SHEET 1 OF 1
 DATE 7-29-2011

MODEL: \\MODEL\NAME
FILE: NAME: ...12068480357_DET.dgn

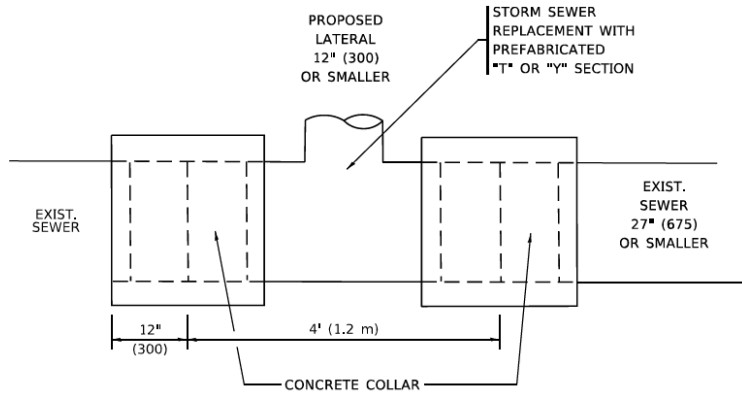
USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 10/31/2022	CHECKED - DJK	REVISED -
	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NATIONAL PARKWAY
 CONSTRUCTION DETAILS**

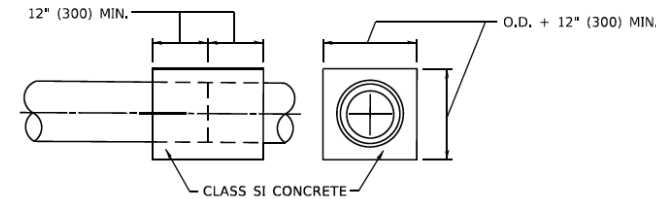
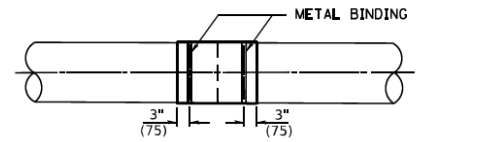
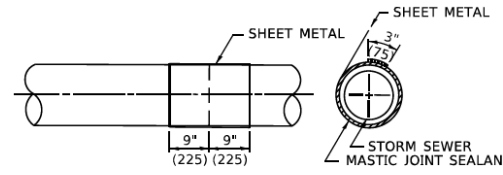
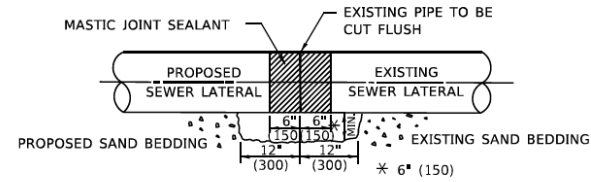
SHEET 10 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	203
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				



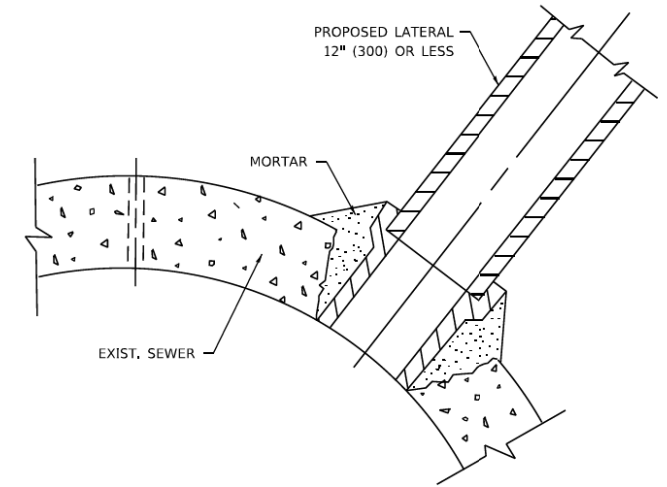
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
- REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

MODEL: D:\ch\it... FILE: 16-00127-03-PV.dgn

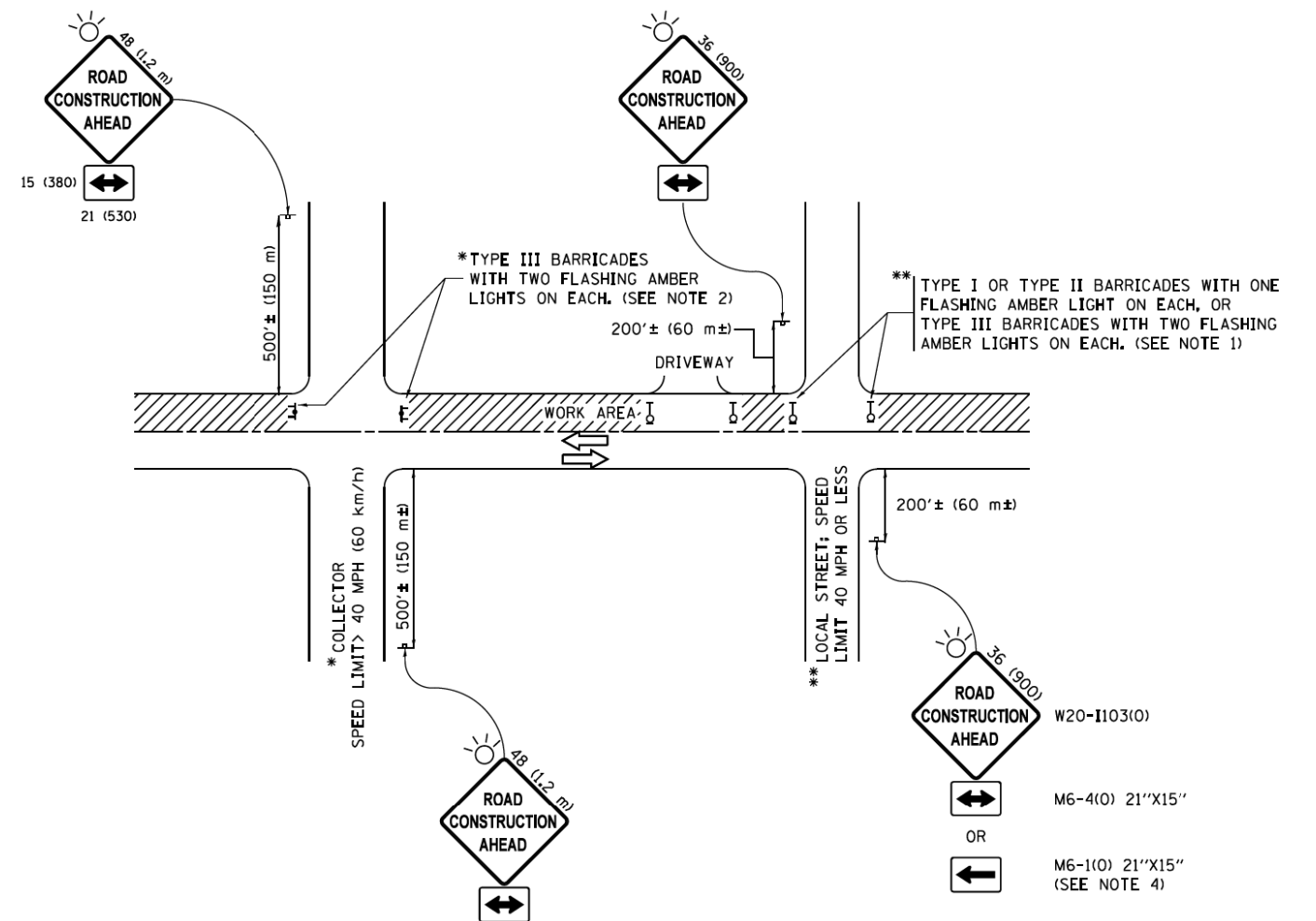
USER NAME - demanchelt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94
	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96
PLOT DATE = 2/2/2022	DATE - 07-25-90	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	204
BD500-01 (BD-07)			CONTRACT NO. 61104	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

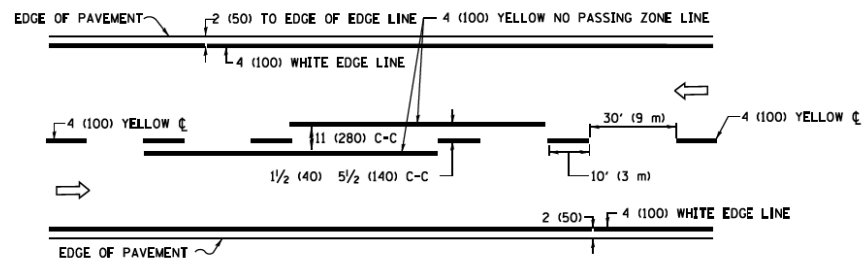
FILE NAME =	USER NAME = foatemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\l\084EBIDINTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\084EBIDINTEG\CADDData\CADsheets\tcl0.dgn	DRAWN	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

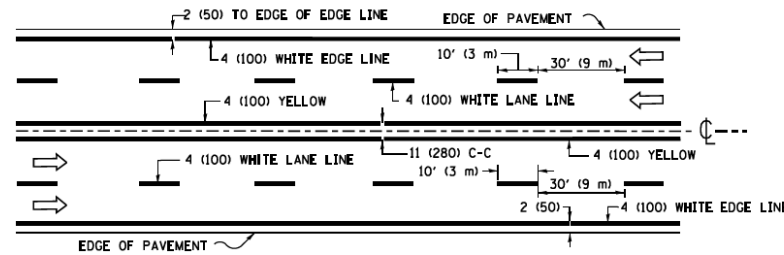
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

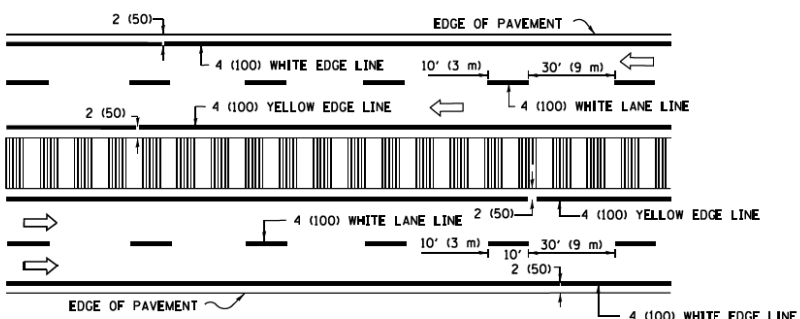
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	205
TC-10		CONTRACT NO. 61104		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

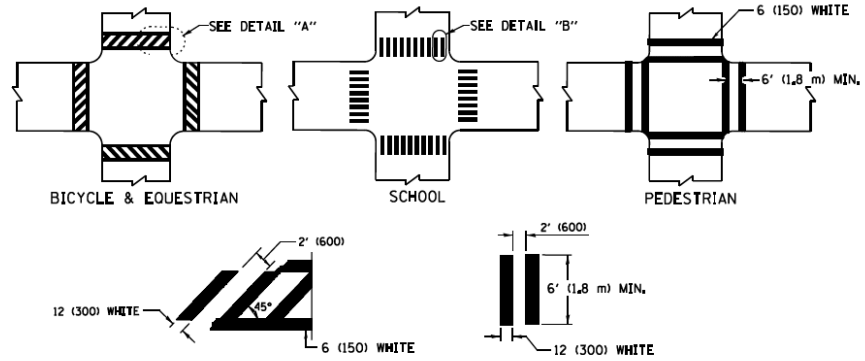


MULTI-LANE UNDIVIDED



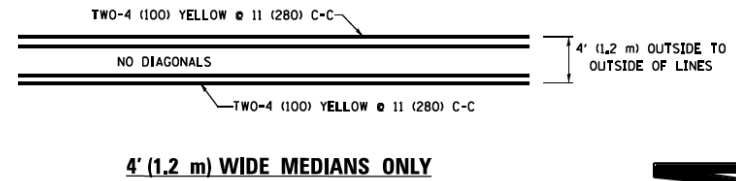
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

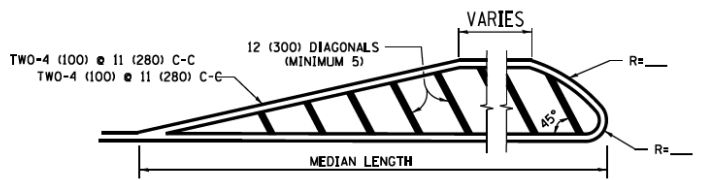


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

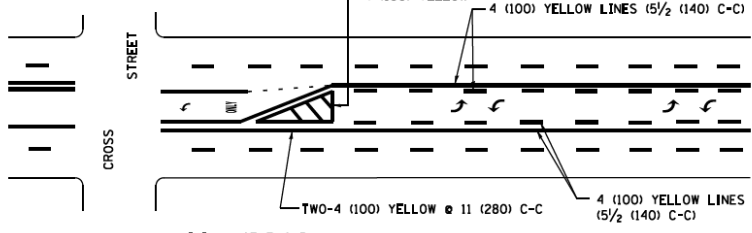


4' (1.2 m) WIDE MEDIANS ONLY

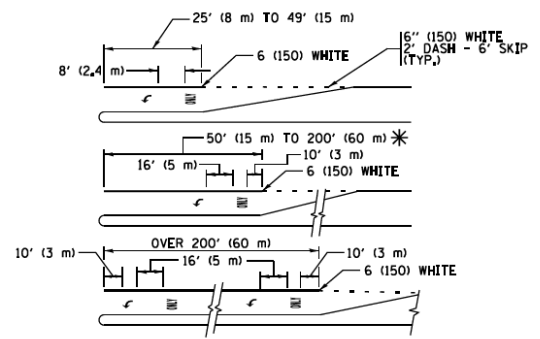


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

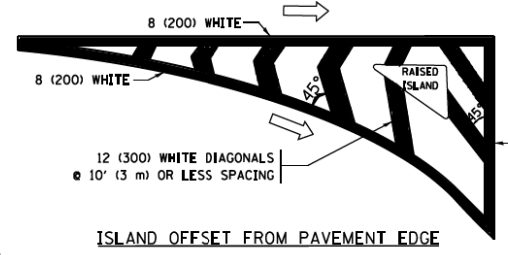


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

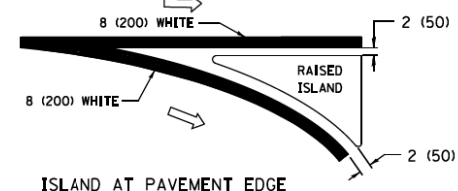


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

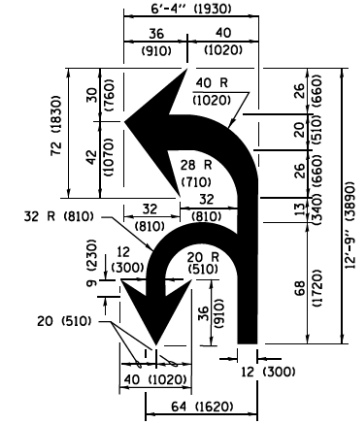
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



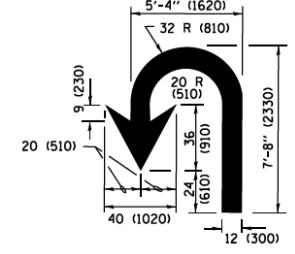
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X" "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME = W:\data\std\22x34\to13.dgn	USER NAME = lousa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50.000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 206
TC-13		CONTRACT NO. 61104	ILLINOIS FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

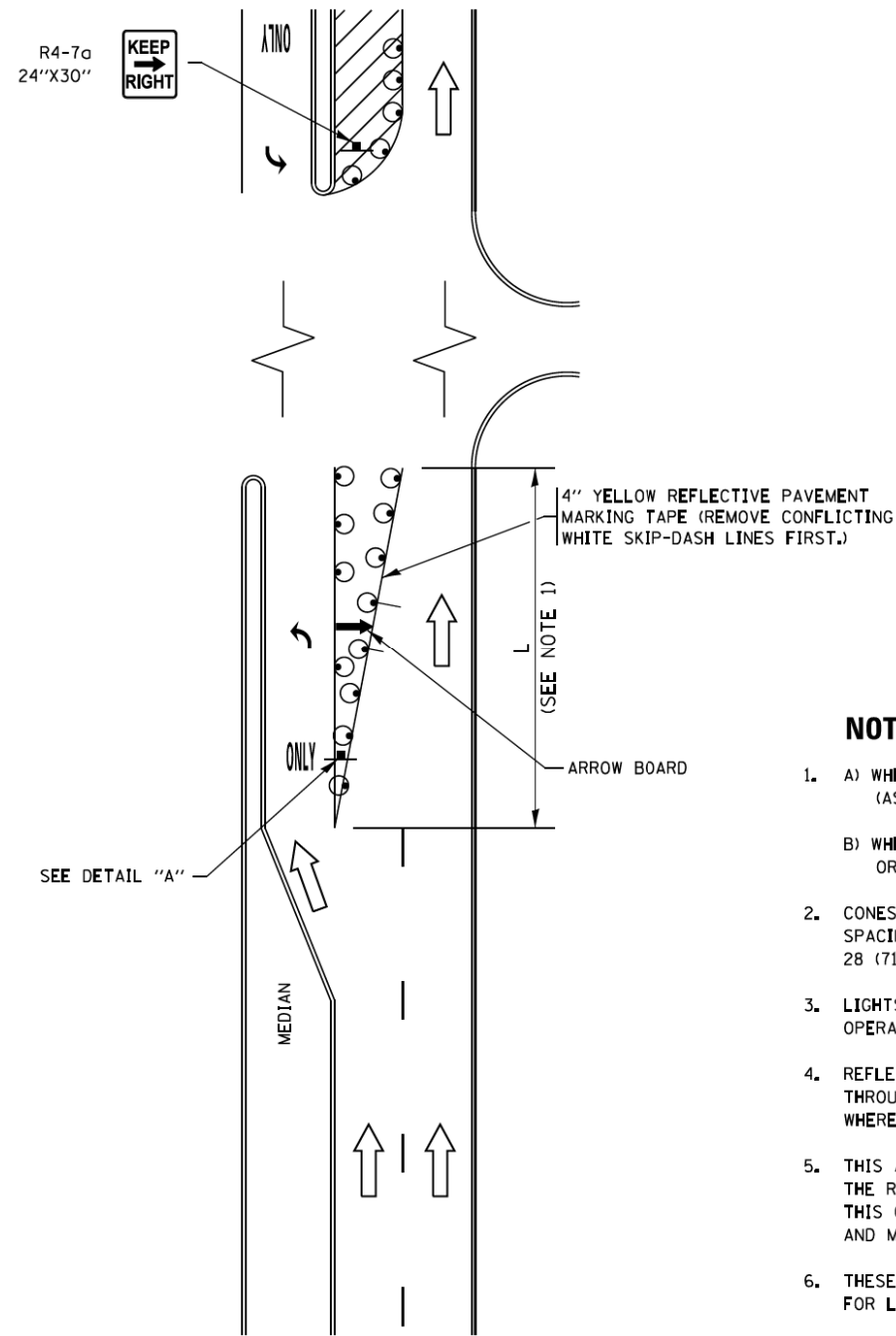


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

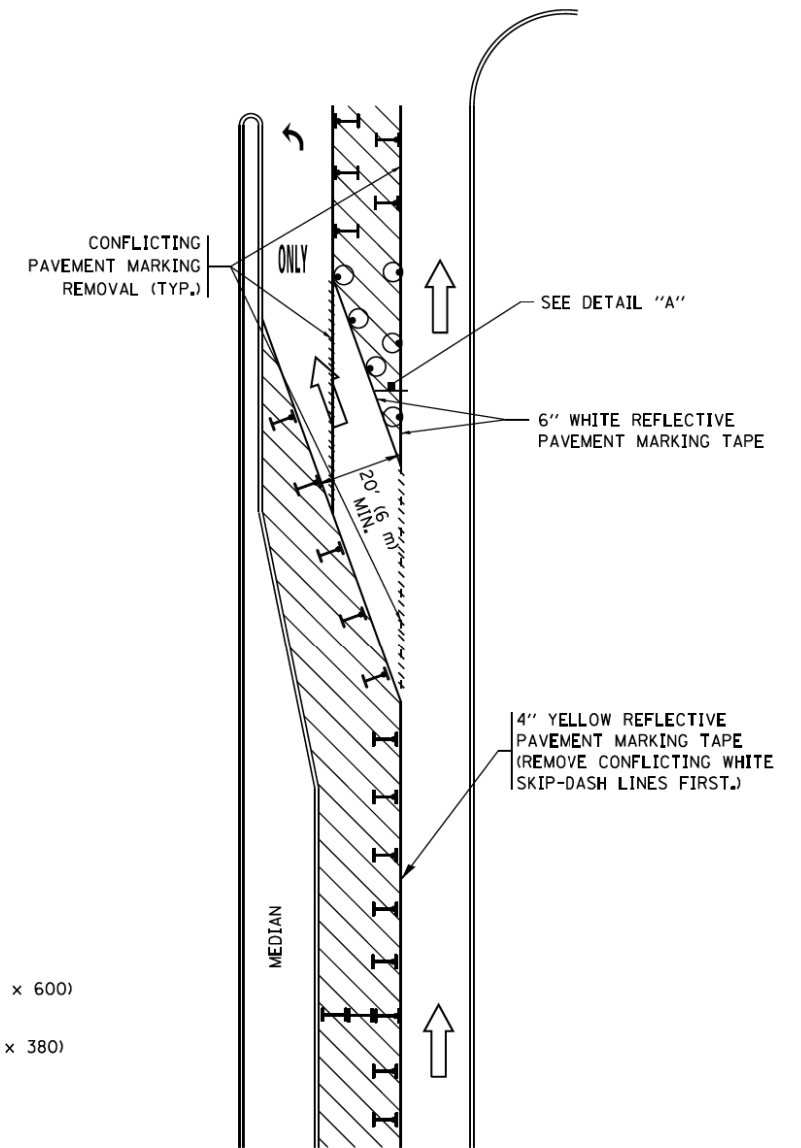


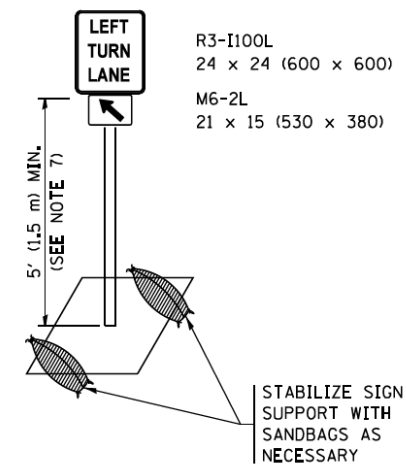
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

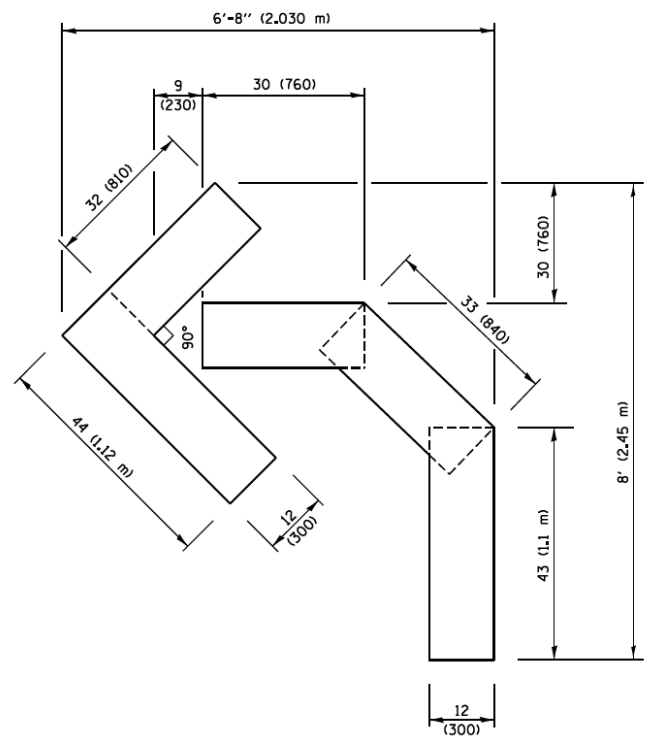
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



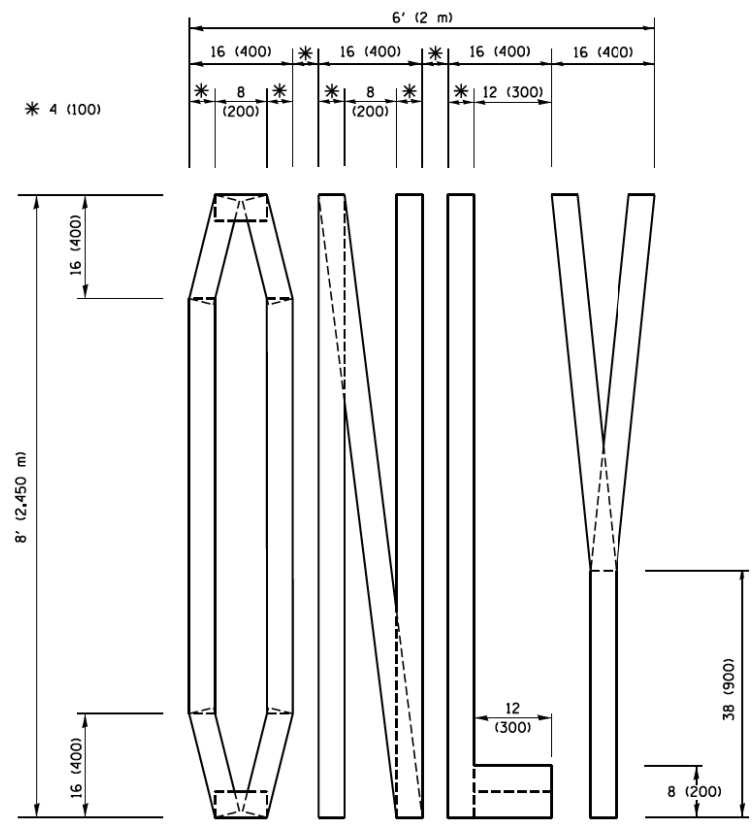
DETAIL A

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

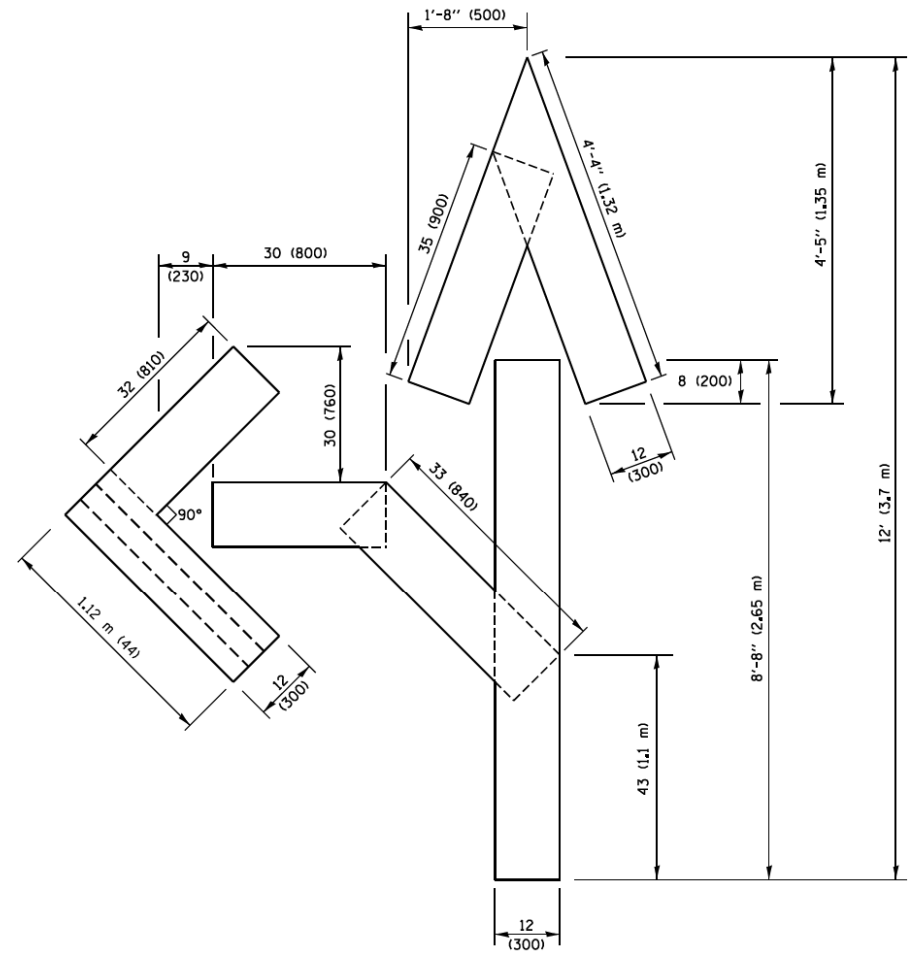
FILE NAME =	USER NAME = foatemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13					1103	16-00127-03-PV	COOK	242	207
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16					TC-14		CONTRACT NO. 61104		ILLINOIS FED. AID PROJECT
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -	SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

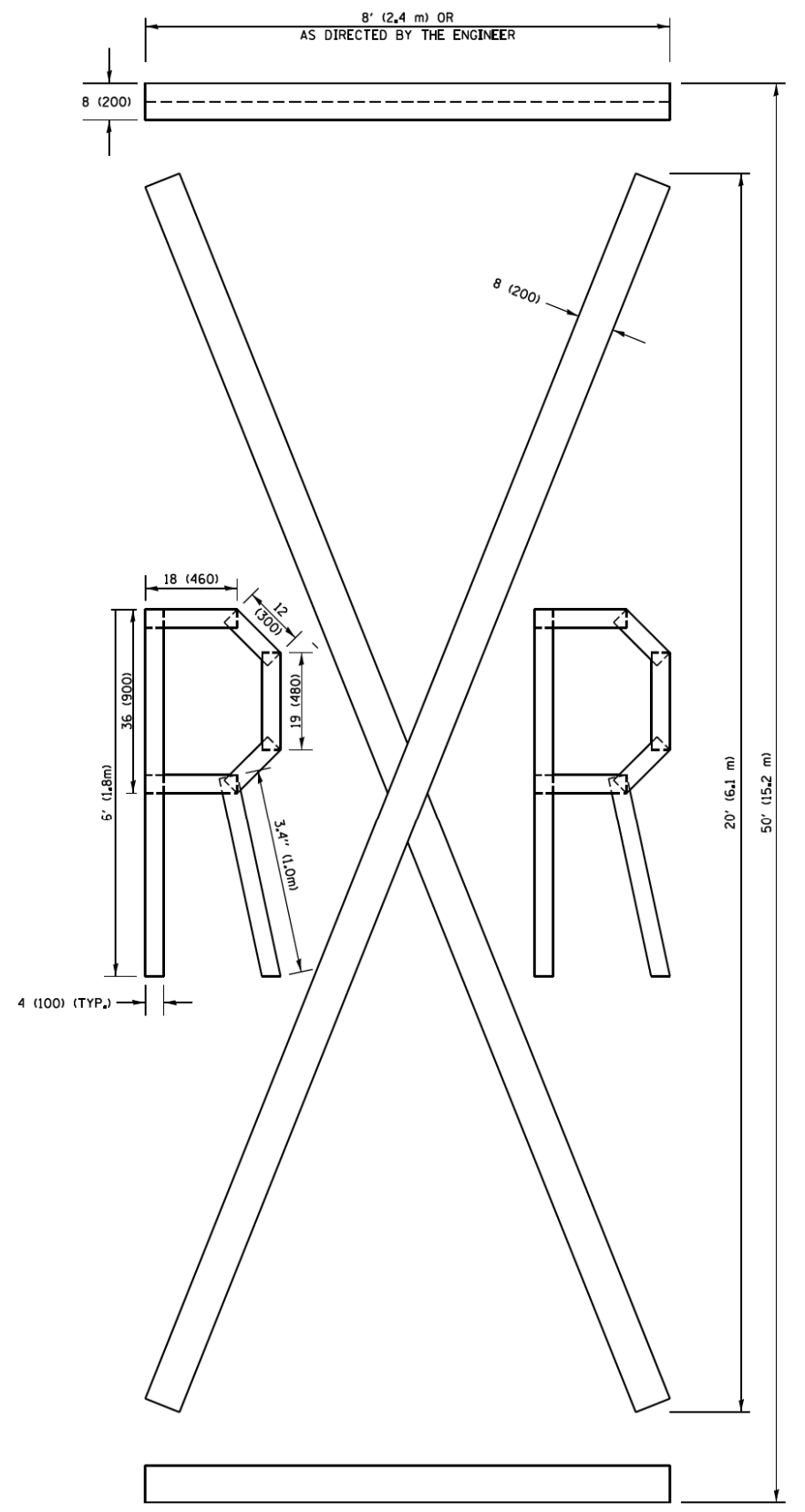


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

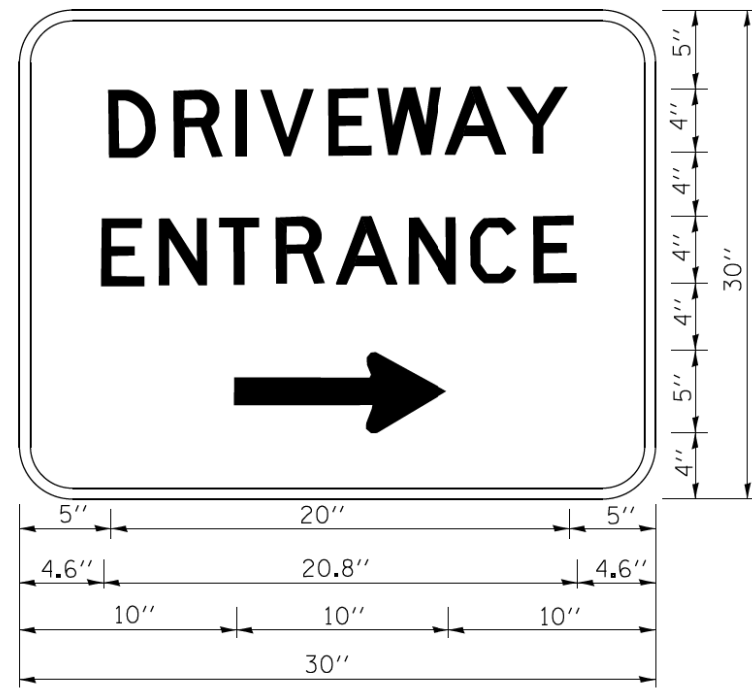
All dimensions are in Inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\11084EBIDINTEG\11nois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRM\CADData\CADsheets\tcl6.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE -	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHJETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	208
TC-16			CONTRACT NO. 61J04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

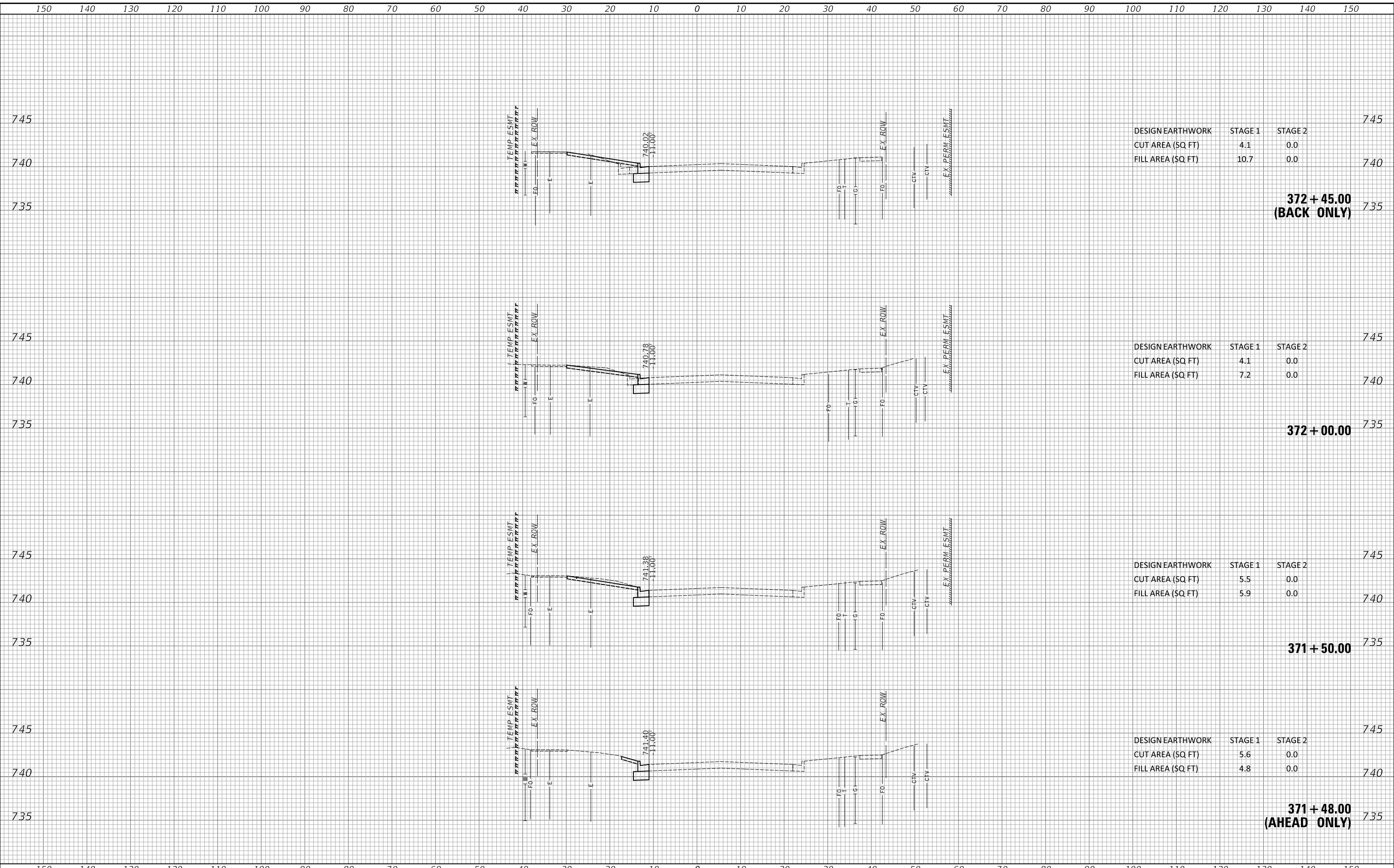
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = geglennob	DESIGNED -	REVISED - C. JUCCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pw\work\p\dot\geglennob\0108315\to	1103	DRAWN -	REVISED -		16-00127-03-PV	COOK	242	209				
PLOT SCALE = 50.000' / 1in.	TC-26	CHECKED -	REVISED -		CONTRACT NO.		61104					
PLOT DATE = 12/13/2012	FED. ROAD DIST. NO. 1	DATE -	REVISED -		ILLINOIS	FED. AID PROJECT						
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.					

FINAL	DATE
SUPLY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL	DATE
SUPLY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Sheets National



DESIGN EARTHWORK	STAGE 1	STAGE 2	745
CUT AREA (SQ FT)	4.1	0.0	740
FILL AREA (SQ FT)	10.7	0.0	735

**372 + 45.00
(BACK ONLY)**

DESIGN EARTHWORK	STAGE 1	STAGE 2	745
CUT AREA (SQ FT)	4.1	0.0	740
FILL AREA (SQ FT)	7.2	0.0	735

372 + 00.00

DESIGN EARTHWORK	STAGE 1	STAGE 2	745
CUT AREA (SQ FT)	5.5	0.0	740
FILL AREA (SQ FT)	5.9	0.0	735

371 + 50.00

DESIGN EARTHWORK	STAGE 1	STAGE 2	745
CUT AREA (SQ FT)	5.6	0.0	740
FILL AREA (SQ FT)	4.8	0.0	735

**371 + 48.00
(AHEAD ONLY)**

U.R NAME = SU,RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

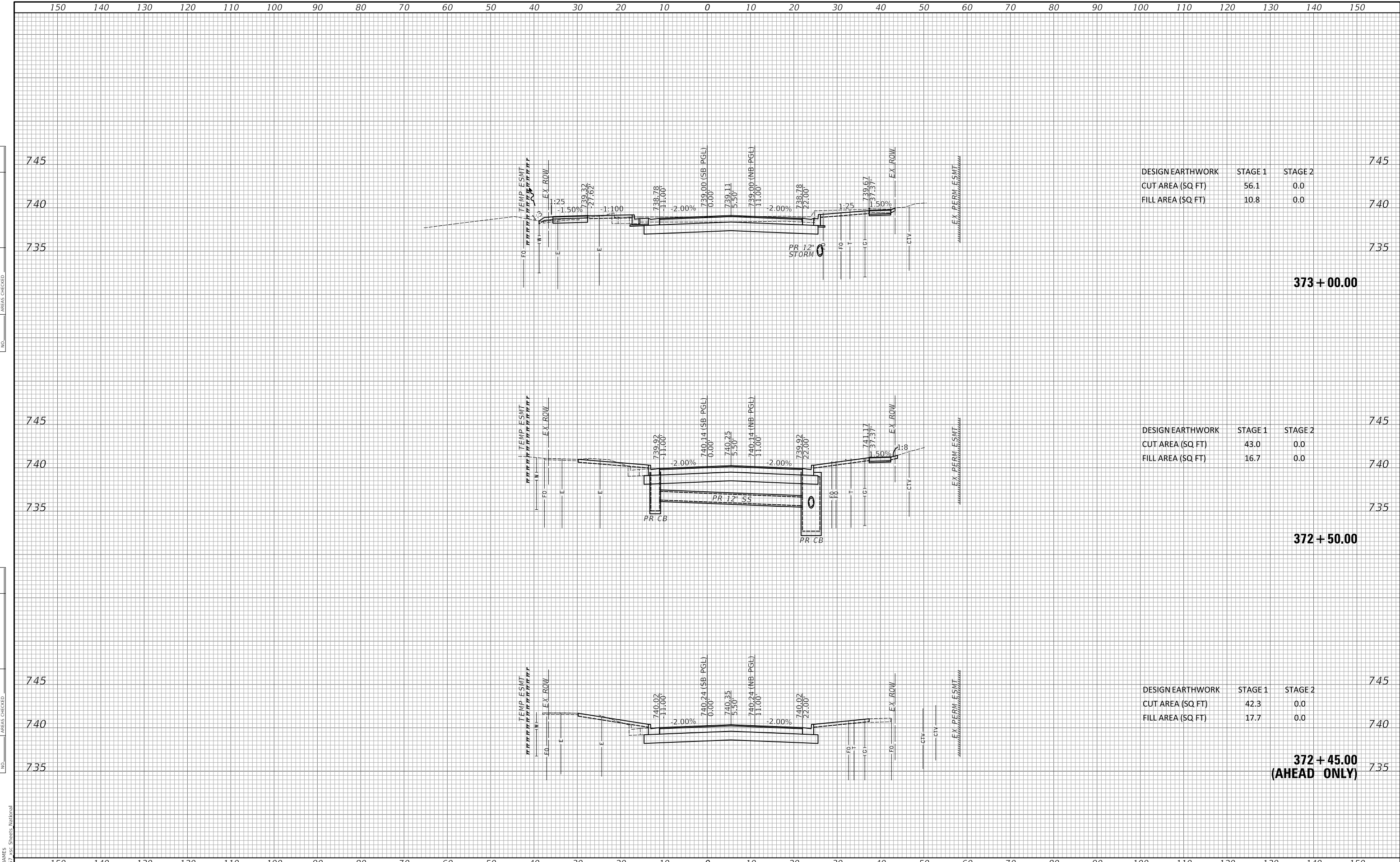
CROSS SECTIONS - NATIONAL PARKWAY

SCALE: 1"=10'H / 5'V SHEET 1 OF 33 SHEETS STA. 371+48.00 TO STA. 372+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	210
				CONTRACT NO. 61104
				ILLINOIS FED. AID PROJECT

BY	DATE

BY	DATE



DESIGN EARTHWORK	STAGE 1	STAGE 2	745
CUT AREA (SQ FT)	56.1	0.0	740
FILL AREA (SQ FT)	10.8	0.0	735

373 + 00.00

DESIGN EARTHWORK	STAGE 1	STAGE 2	745
CUT AREA (SQ FT)	43.0	0.0	740
FILL AREA (SQ FT)	16.7	0.0	735

372 + 50.00

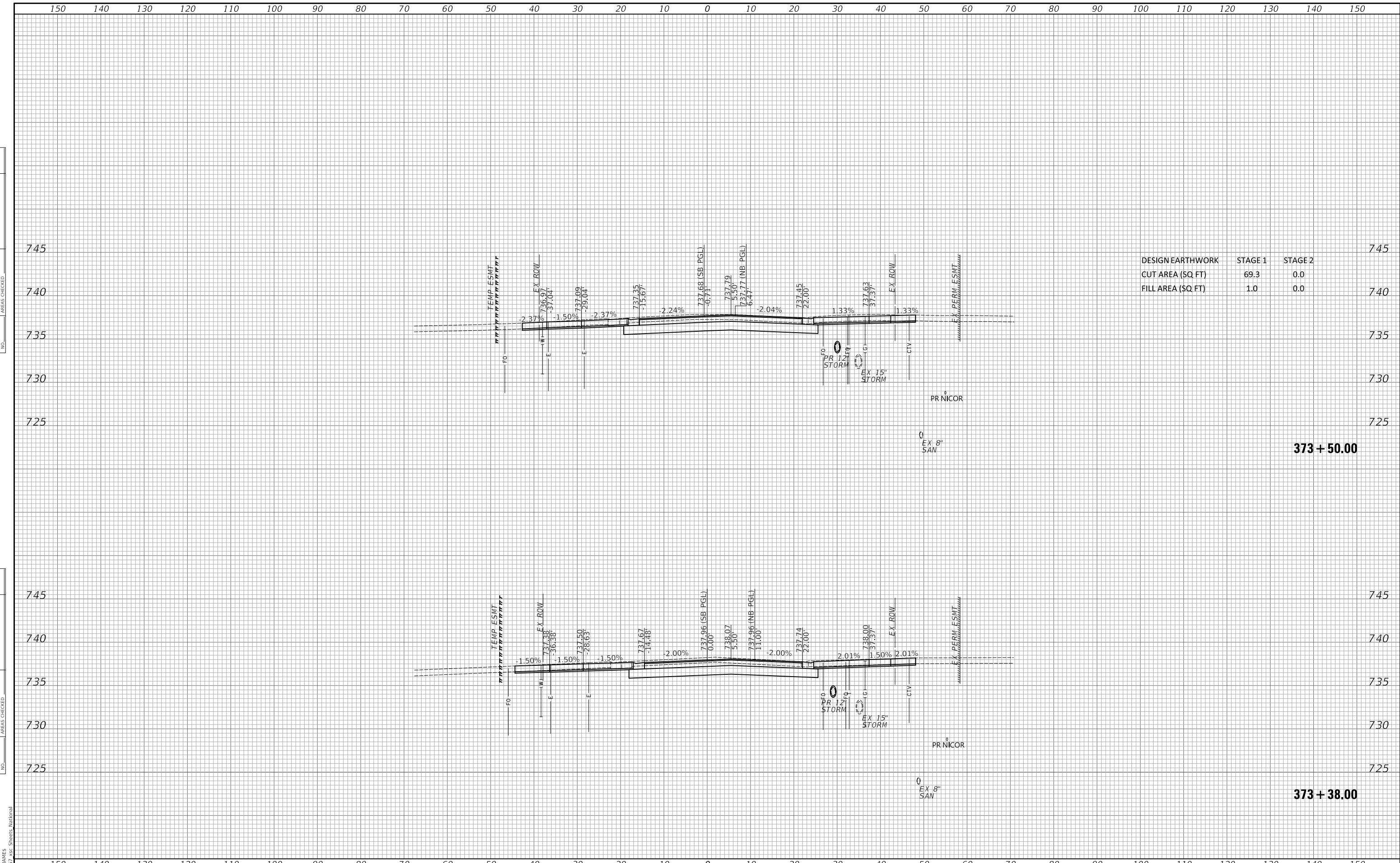
DESIGN EARTHWORK	STAGE 1	STAGE 2	745
CUT AREA (SQ FT)	42.3	0.0	740
FILL AREA (SQ FT)	17.7	0.0	735

372 + 45.00
(AHEAD ONLY)

MODEL: S:\MODEL\NAME.S FILE NAME: ...3251 .xsc Sheets: National	U.R. NAME = SU.RS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - NATIONAL PARKWAY	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -			1103	16-00127-03-PV	COOK	242	211
PLOT DATE = 10/31/2022	DATE -	REVISED -	SCALE: 1"=10'H / 5'V		SHEET 2 OF 33 SHEETS	STA. 372+45.00 TO STA. 373+00.00	CONTRACT NO. 61J04			
					ILLINOIS FED. AID PROJECT					

FINAL	SUPLY	DATE
SUPLY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SUPLY	DATE
SUPLY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	69.3	0.0
FILL AREA (SQ FT)	1.0	0.0

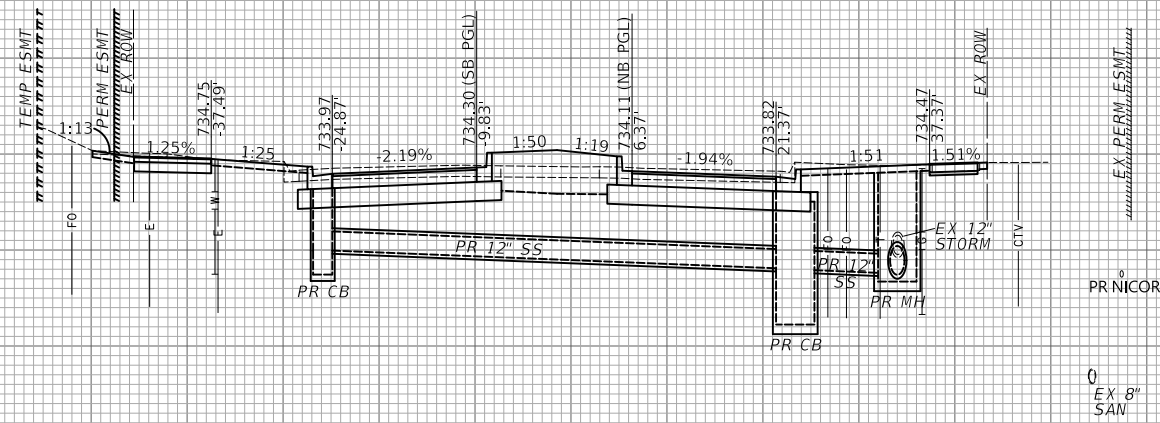
U.R. NAME = SU,RS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - NATIONAL PARKWAY			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -					1103	16-00127-03-PV	COOK	242	212
PLOT DATE = 10/31/2022	CHECKED -	REVISED -					CONTRACT NO. 61104				
	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1"=10'H / 5'V	SHEET 3 OF 33 SHEETS	STA. 373+38.00	TO STA. 373+50.00				

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Sheets_Midnight

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

740
735
730
725



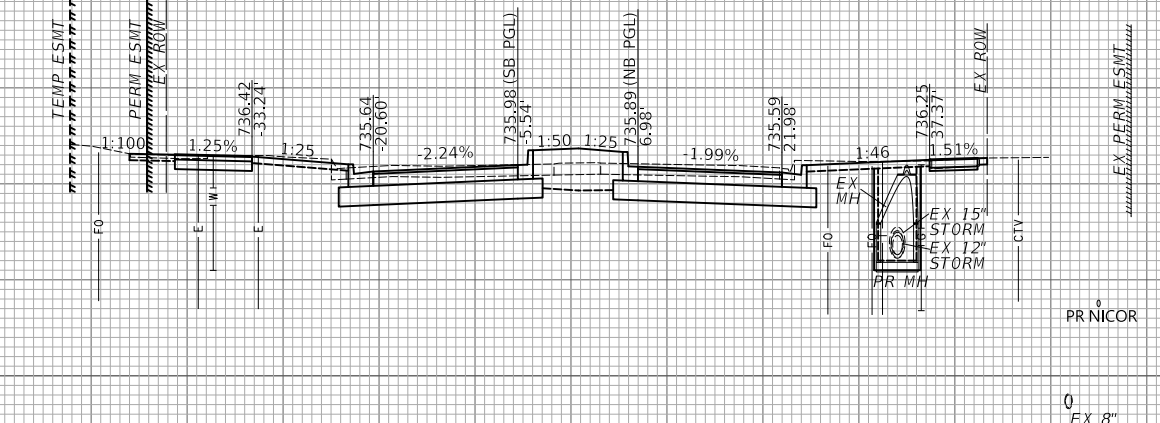
DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	76.2	0.0
FILL AREA (SQ FT)	12.0	0.0

740
735
730
725

374 + 50.00

ORIGINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

740
735
730
725



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	69.7	0.0
FILL AREA (SQ FT)	262.3	0.0

740
735
730
725

374 + 00.00

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Sheets_Midpoint

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

U.R NAME = SU.RS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/31/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NATIONAL PARKWAY

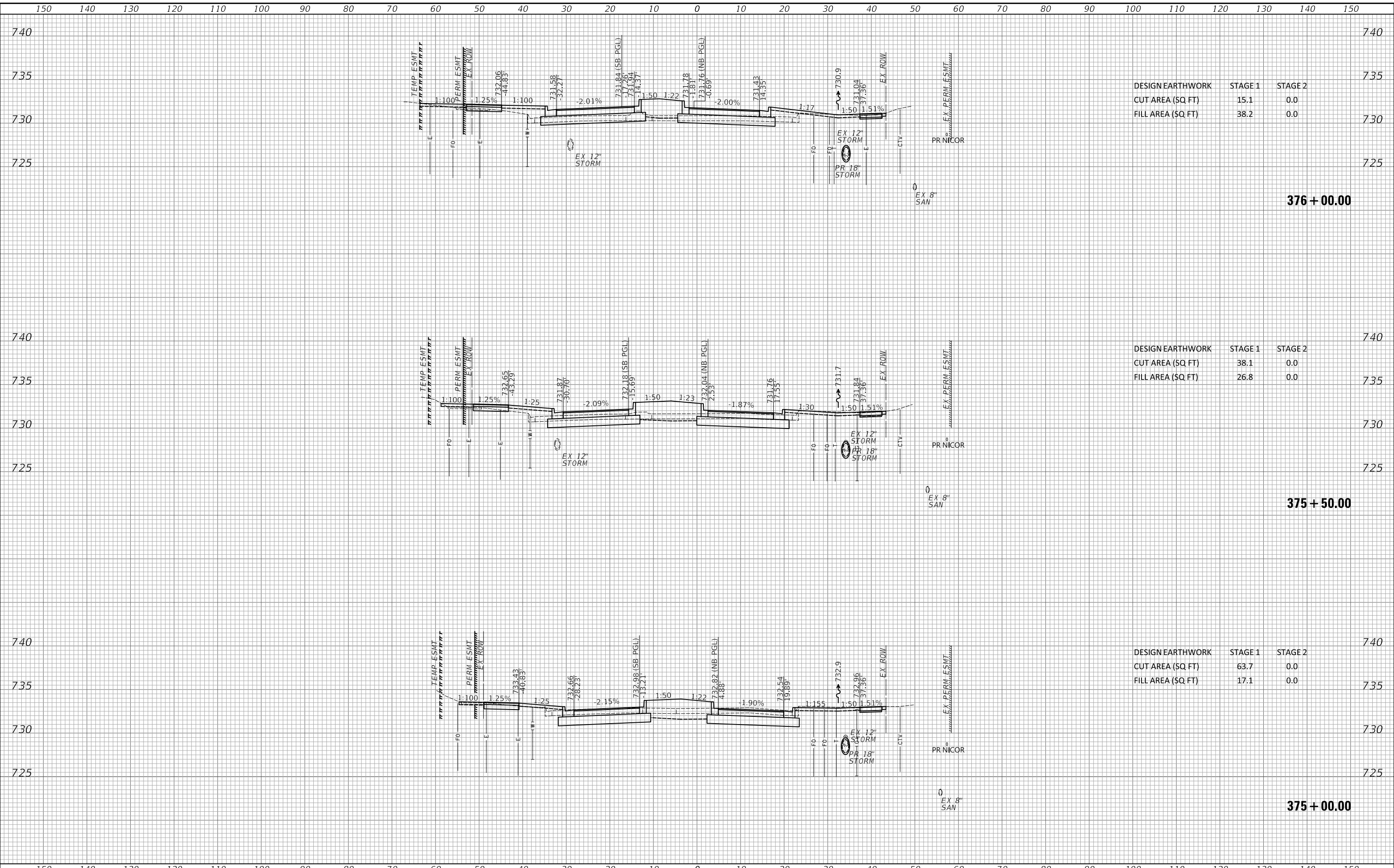
SCALE: 1"=10'H / 5'V SHEET 4 OF 33 SHEETS STA. 374+00.00 TO STA. 374+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	213
				CONTRACT NO. 61104
				ILLINOIS FED. AID PROJECT

FINAL	SU	DATE
SU	BY	
BY		
DATE		
NO.		
NO.		
NO.		
NO.		
NO.		

ORIGINAL	SU	DATE
SU	BY	
BY		
DATE		
NO.		
NO.		
NO.		
NO.		
NO.		

MODEL: SP0DELIMM65
FILE NAME: ...3351*.xsc Sheets: National



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	15.1	0.0
FILL AREA (SQ FT)	38.2	0.0

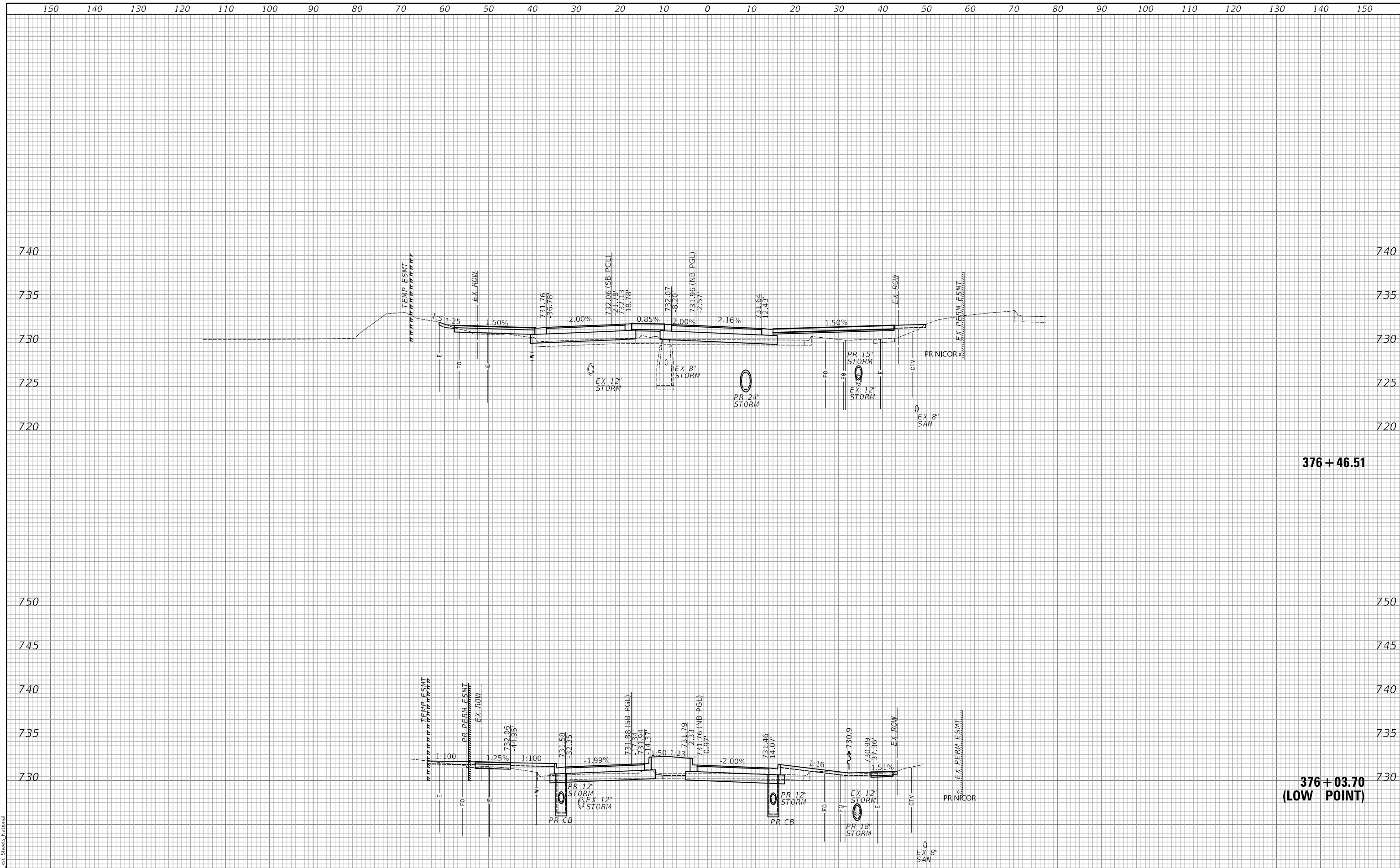
DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	38.1	0.0
FILL AREA (SQ FT)	26.8	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	63.7	0.0
FILL AREA (SQ FT)	17.1	0.0

U.R NAME = SU.RS	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS - NATIONAL PARKWAY</p> <p align="center">SCALE: 1"=10'H / 5'V SHEET 5 OF 33 SHEETS STA. 375+00.00 TO STA. 376+00.00</p>	F.A.U. RTE. = 1103	SECTION = 16-00127-03-PV	COUNTY = COOK	TOTAL SHEETS = 242	SHEET NO. = 214
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -		CONTRACT NO. = 61104	ILLINOIS FED. AID PROJECT			
PLOT DATE = 10/31/2022	CHECKED -	REVISED -						
	DATE -	REVISED -						

DATE	
BY	
FINAL SHEET	SHEEDED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SHEET	SHEEDED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



MODEL: SPODELMMMS
FILE NAME: ...3351 xsc Sheets: National

U.R. NAME = SU.RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - NATIONAL PARKWAY

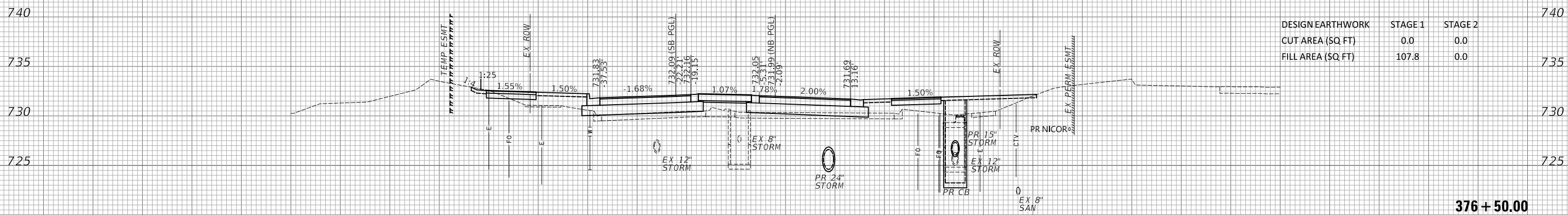
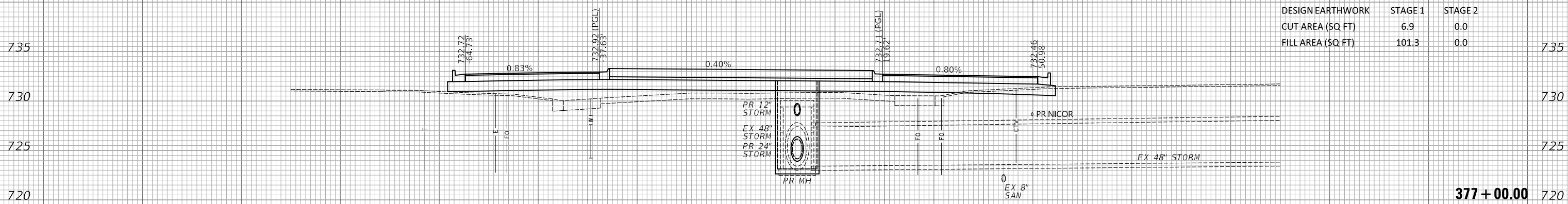
SCALE: 1"=10'H / 5'V SHEET 6 OF 33 SHEETS STA. 376+03.70 TO STA. 376+46.51

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	215
				CONTRACT NO. 61104
		ILLINOIS	FED. AID PROJECT	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets_Midwest

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

U.R. NAME = SU.RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/11/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

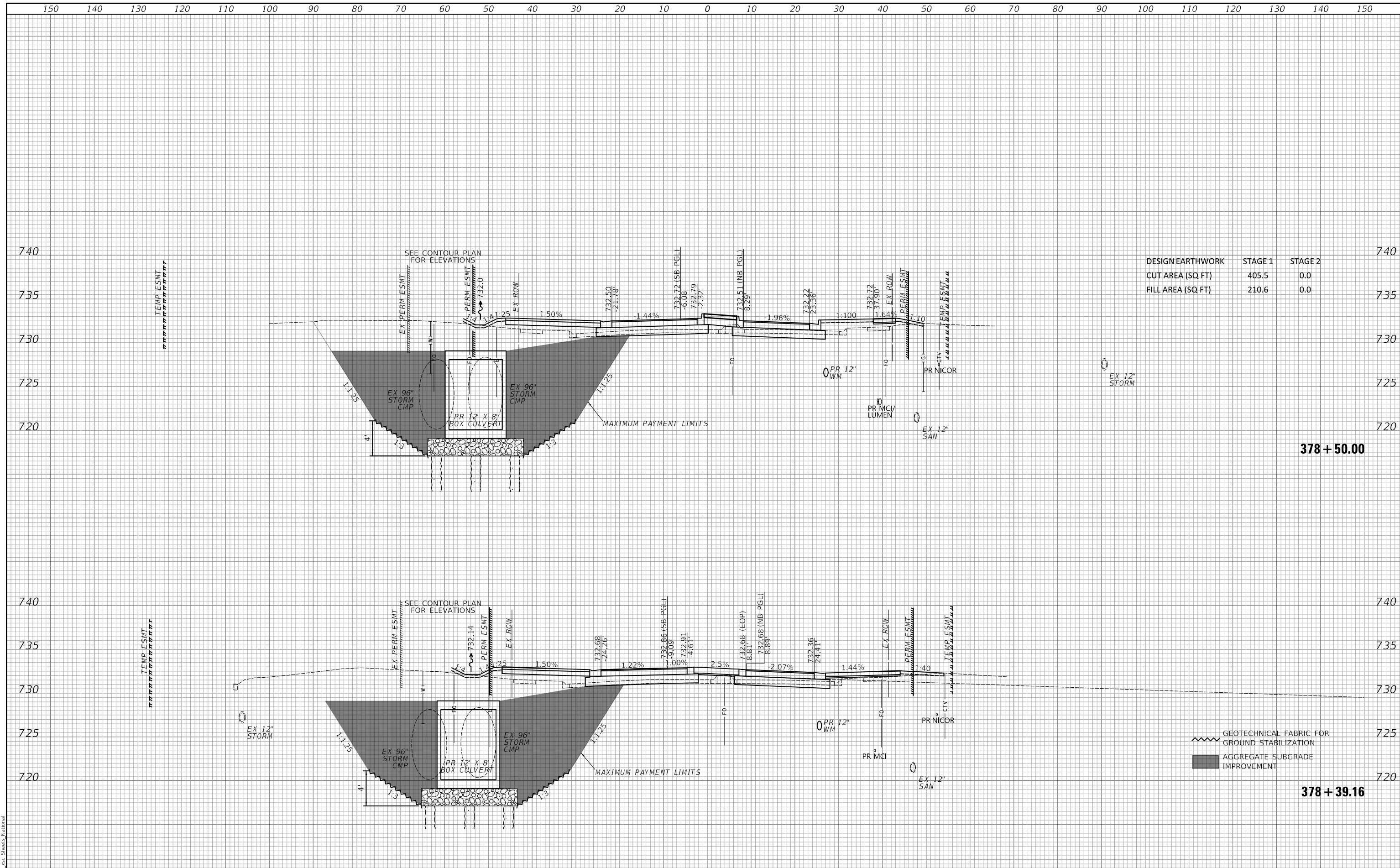
CROSS SECTIONS - NATIONAL PARKWAY

SCALE: 1"=10'H / 5'V SHEET 7 OF 33 SHEETS STA. 376+50.00 TO STA. 377+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	216
CONTRACT NO. 61104			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SUEY	SUVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SUEY	SUVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	405.5	0.0
FILL AREA (SQ FT)	210.6	0.0

U.R. NAME = SU.RS
PLOT SCALE = 20.0000' / in.
PLOT DATE = 10/31/2022

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - NATIONAL PARKWAY

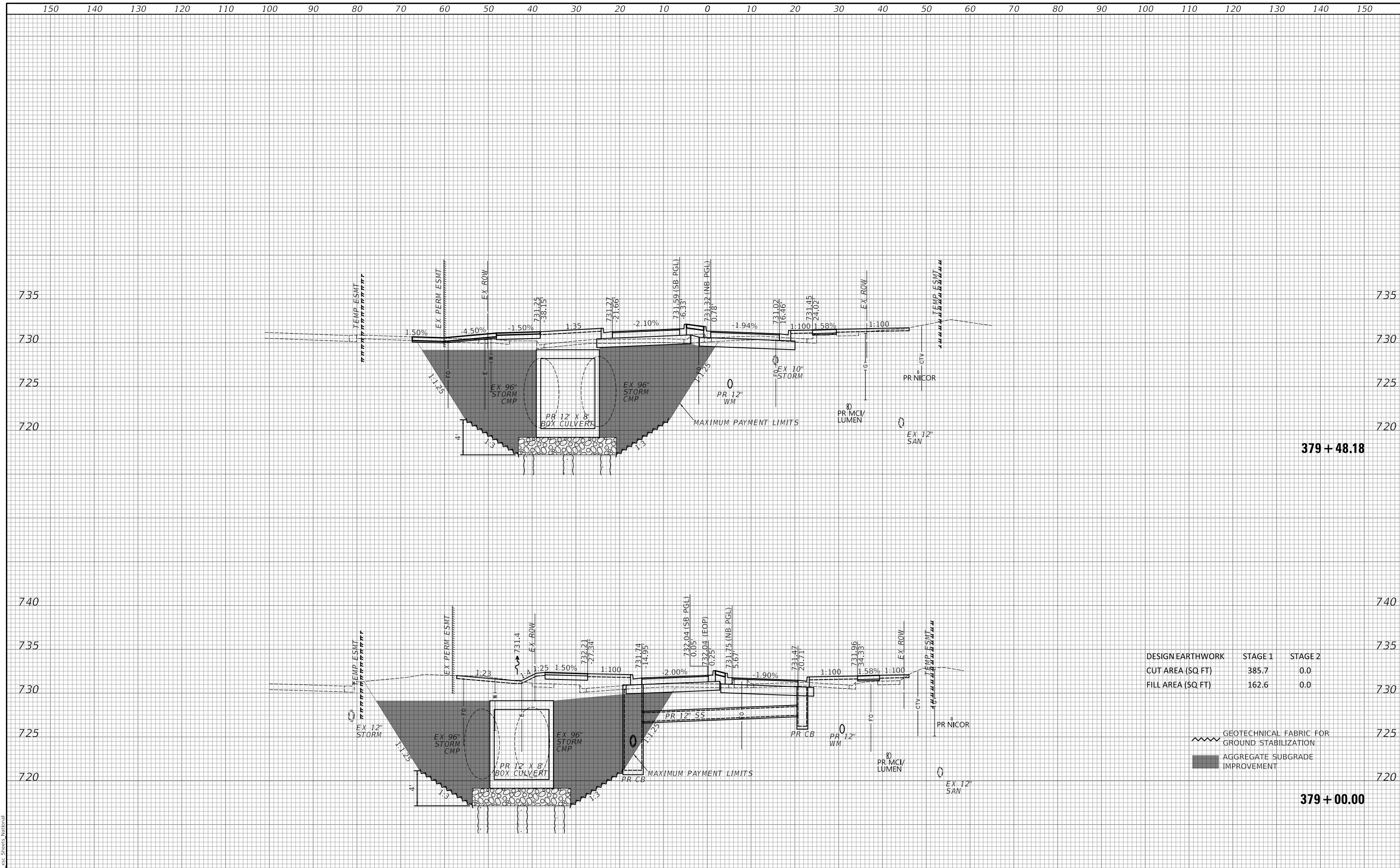
SCALE: 1"=10'H / 5'V SHEET 9 OF 33 SHEETS STA. 378+39.16 TO STA. 378+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	218
CONTRACT NO. 61104			ILLINOIS FED. AID PROJECT	

MODEL: SPODELIMAMES
FILE NAME: ...3351 xsc Sheets National

FINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	385.7	0.0
FILL AREA (SQ FT)	162.6	0.0

- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AGGREGATE SUBGRADE IMPROVEMENT

MODEL: SPODELIMAMES
 FILE NAME: ...3351 xsc Sheets_Midnight

U.R. NAME = SU.RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

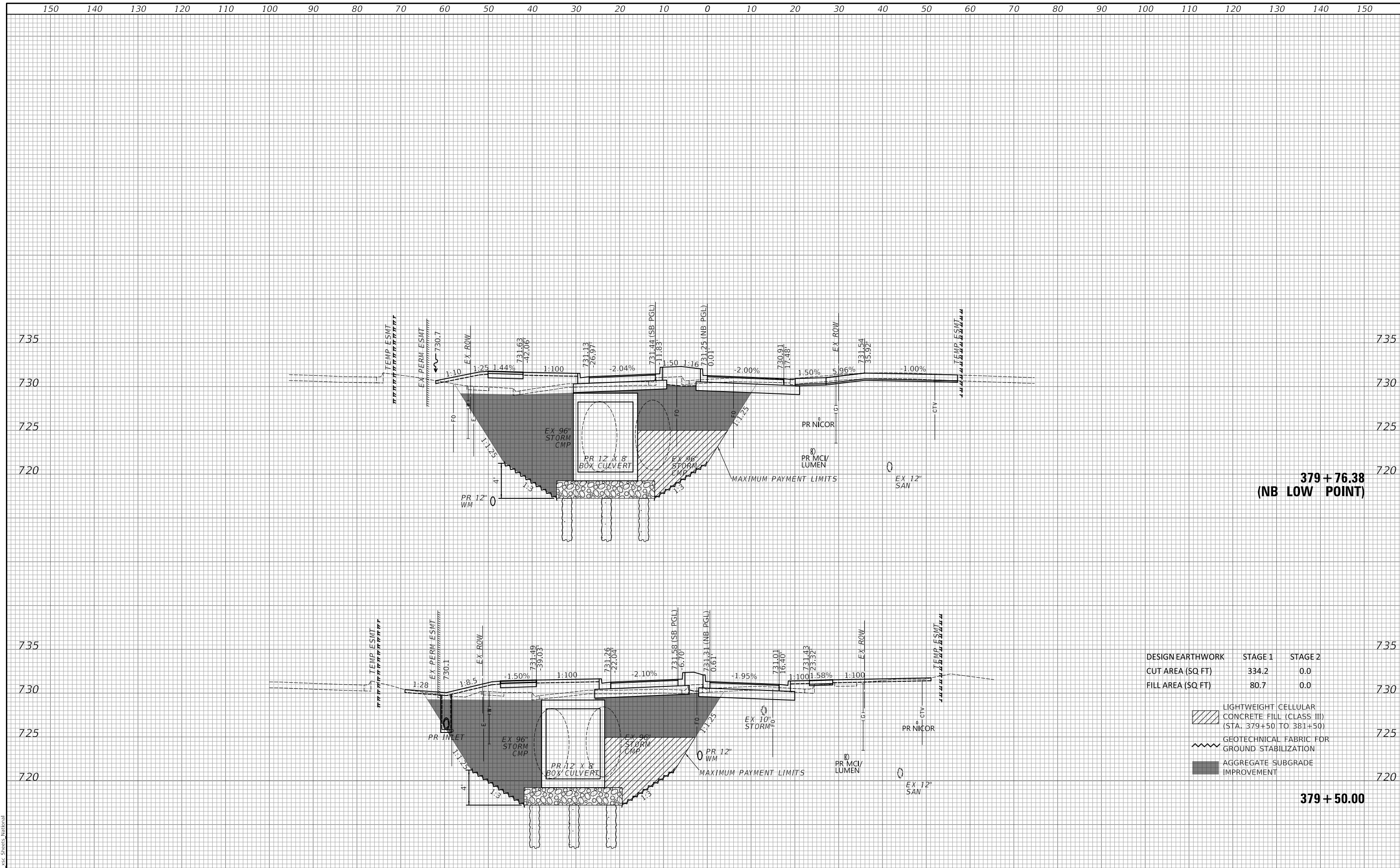
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NATIONAL PARKWAY
 SCALE: 1"=10'H / 5'V SHEET 10 OF 33 SHEETS STA. 379+00.00 TO STA. 379+48.18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	219
CONTRACT NO. 61J04			ILLINOIS FED. AID PROJECT	

FINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



379 + 76.38
(NB LOW POINT)

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	334.2	0.0
FILL AREA (SQ FT)	80.7	0.0

- LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS III) (STA. 379+50 TO 381+50)
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AGGREGATE SUBGRADE IMPROVEMENT

379 + 50.00

MODEL: SPODELIMAMES
FILE NAME: ...3351 xsc Sheets_Midpoint

U.R NAME = SU.RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NATIONAL PARKWAY

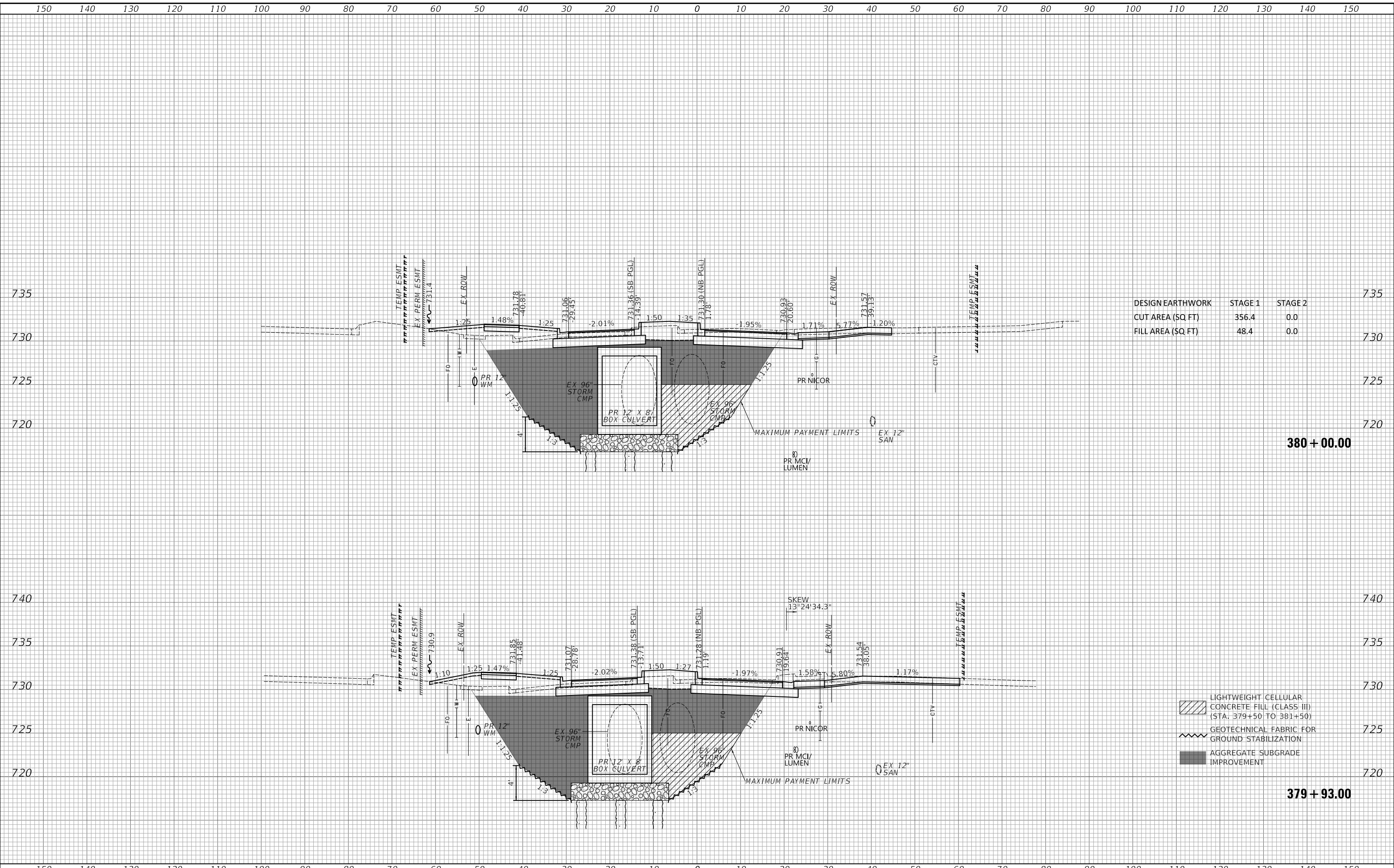
SCALE: 1"=10'H / 5'V SHEET 11 OF 33 SHEETS STA. 379+50.00 TO STA. 379+76.38

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	220
CONTRACT NO. 61104			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SUEY	SUEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SUEY	SUEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

MODEL: SPODELMMMS
FILE NAME: ...3351 xsc Sheets National



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	356.4	0.0
FILL AREA (SQ FT)	48.4	0.0

- LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS III) (STA. 379+50 TO 381+50)
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AGGREGATE SUBGRADE IMPROVEMENT

U.R. NAME	= SU.RS
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 10/31/2022

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - NATIONAL PARKWAY

SCALE: 1"=10'H / 5'V SHEET 12 OF 33 SHEETS STA. 379+93.00 TO STA. 380+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	221
				CONTRACT NO. 61104
		ILLINOIS	FED. AID PROJECT	

FINAL	SUPLY	DATE
SUPLY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SUPLY	DATE
SUPLY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	408.6	0.0
FILL AREA (SQ FT)	6.4	0.0

- LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS III) (STA. 379+50 TO 381+50)
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AGGREGATE SUBGRADE IMPROVEMENT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - NATIONAL PARKWAY

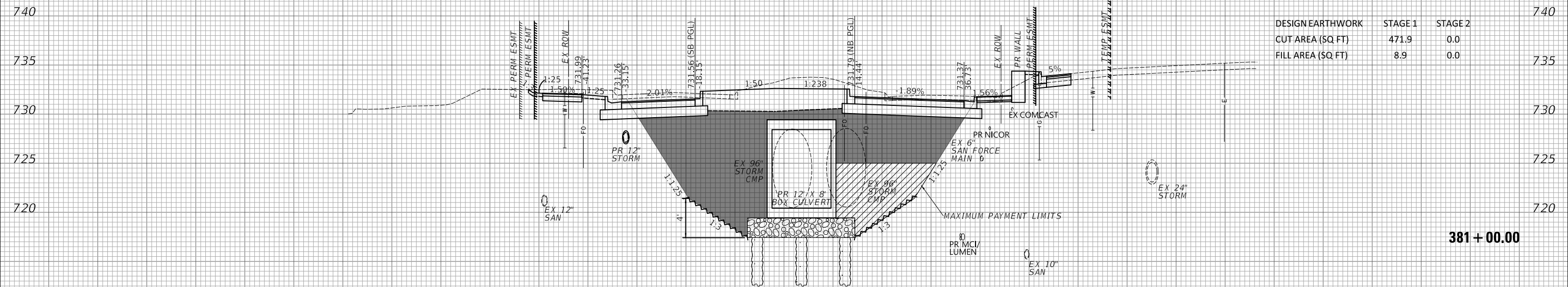
U.R. NAME = SU.RS	DESIGNED -	REVISED -	F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 222
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -	CONTRACT NO. 61104				
PLOT DATE = 10/31/2022	CHECKED -	REVISED -	ILLINOIS FED. AID PROJECT				
DATE -	REVISD -	REVISED -	SCALE: 1"=10'H / 5'V SHEET 13 OF 33 SHEETS STA. 380+20.51 TO STA. 380+50.00				

MODEL: SPODELMMMS
FILE NAME: ...3351 xsc Sheets National

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

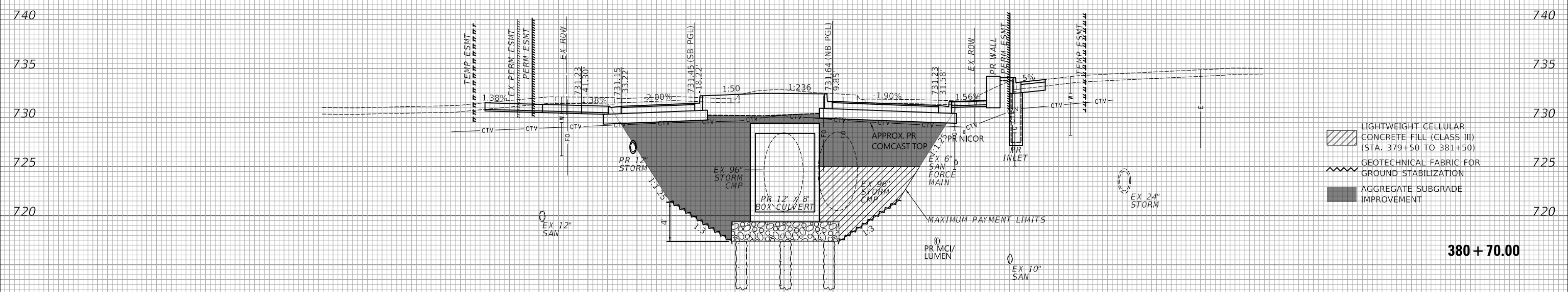
FINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	471.9	0.0
FILL AREA (SQ FT)	8.9	0.0

381 + 00.00



- LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS III) (STA. 379+50 TO 381+50)
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AGGREGATE SUBGRADE IMPROVEMENT

380 + 70.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

U.R. NAME = SU,RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - NATIONAL PARKWAY

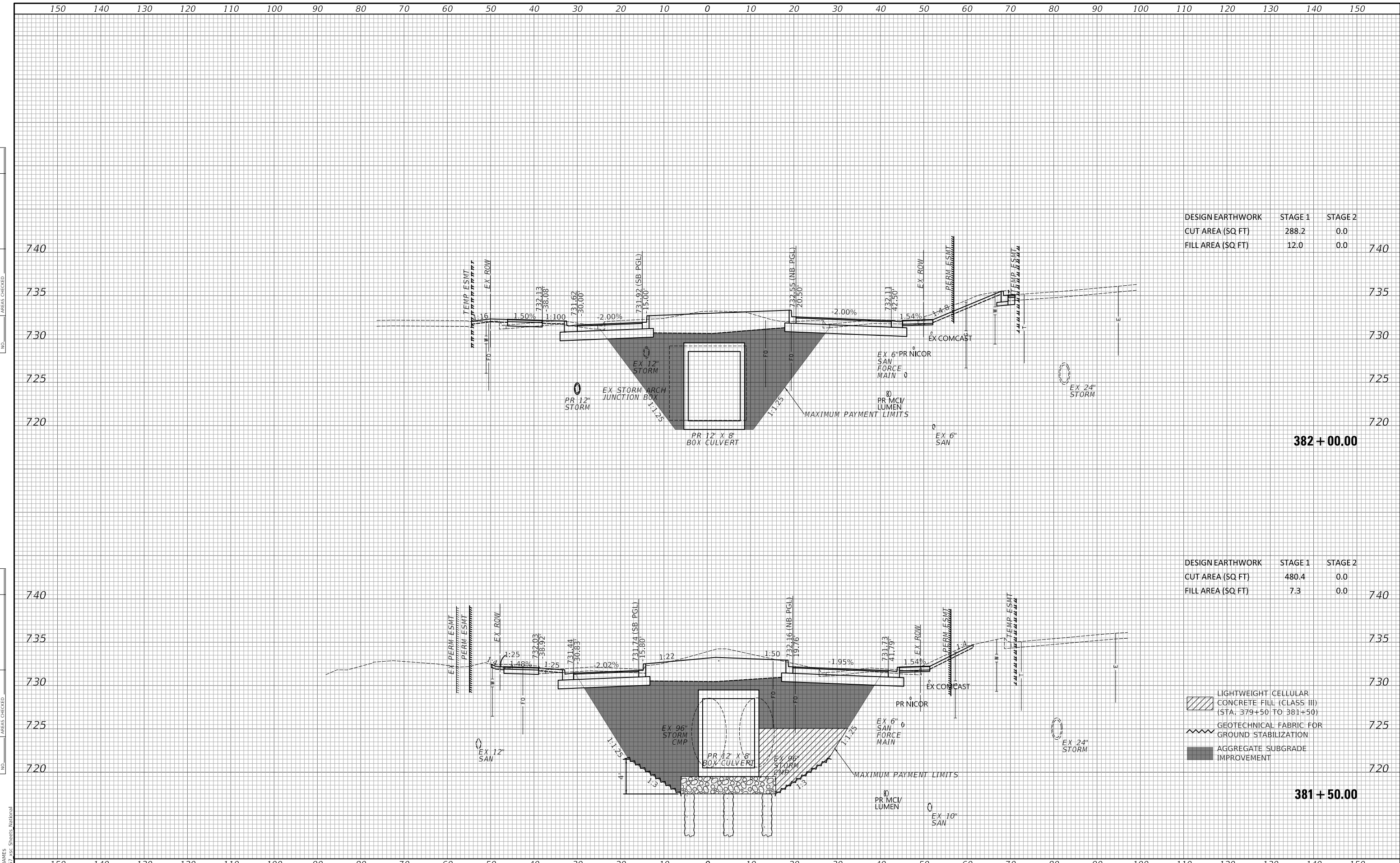
SCALE: 1"=10'H / 5'V SHEET 14 OF 33 SHEETS STA. 380+70.00 TO STA. 381+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	223
CONTRACT NO. 61104			ILLINOIS FED. AID PROJECT	

MODEL: SPODELMMMS
FILE NAME: ...3351 xsc Sheets National

DATE	
BY	
FINAL SHEET	
SUPLY PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SHEET	
SUPLY PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	



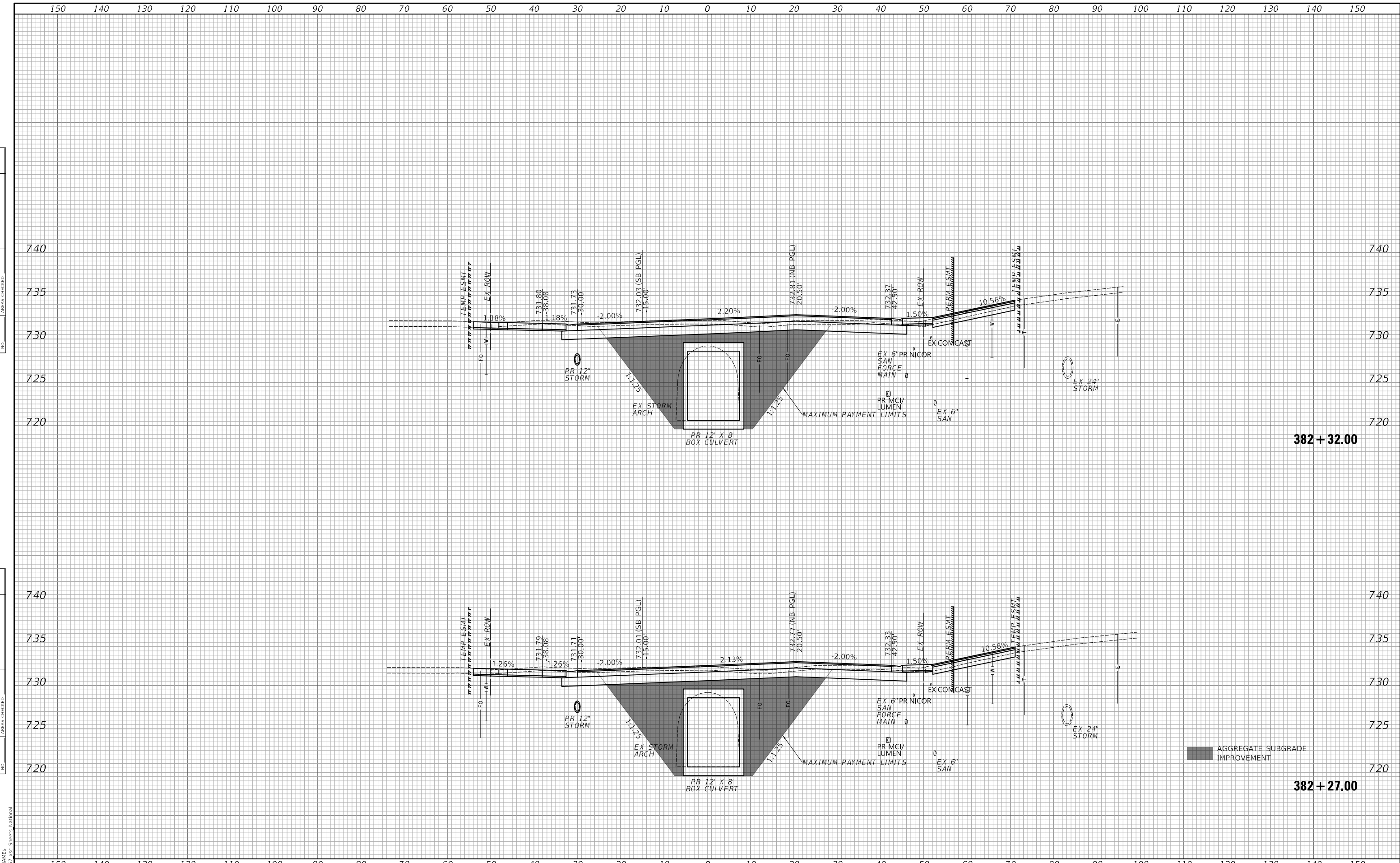
DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	288.2	0.0
FILL AREA (SQ FT)	12.0	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	480.4	0.0
FILL AREA (SQ FT)	7.3	0.0

- LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS III) (STA. 379+50 TO 381+50)
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AGGREGATE SUBGRADE IMPROVEMENT

DATE	
BY	
FINAL SUEY	SUVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SUEY	SUVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



MODEL: SPODELIMAMES
FILE NAME: ...3351 xsc Sheets_Midnight

U.R NAME = SU.RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

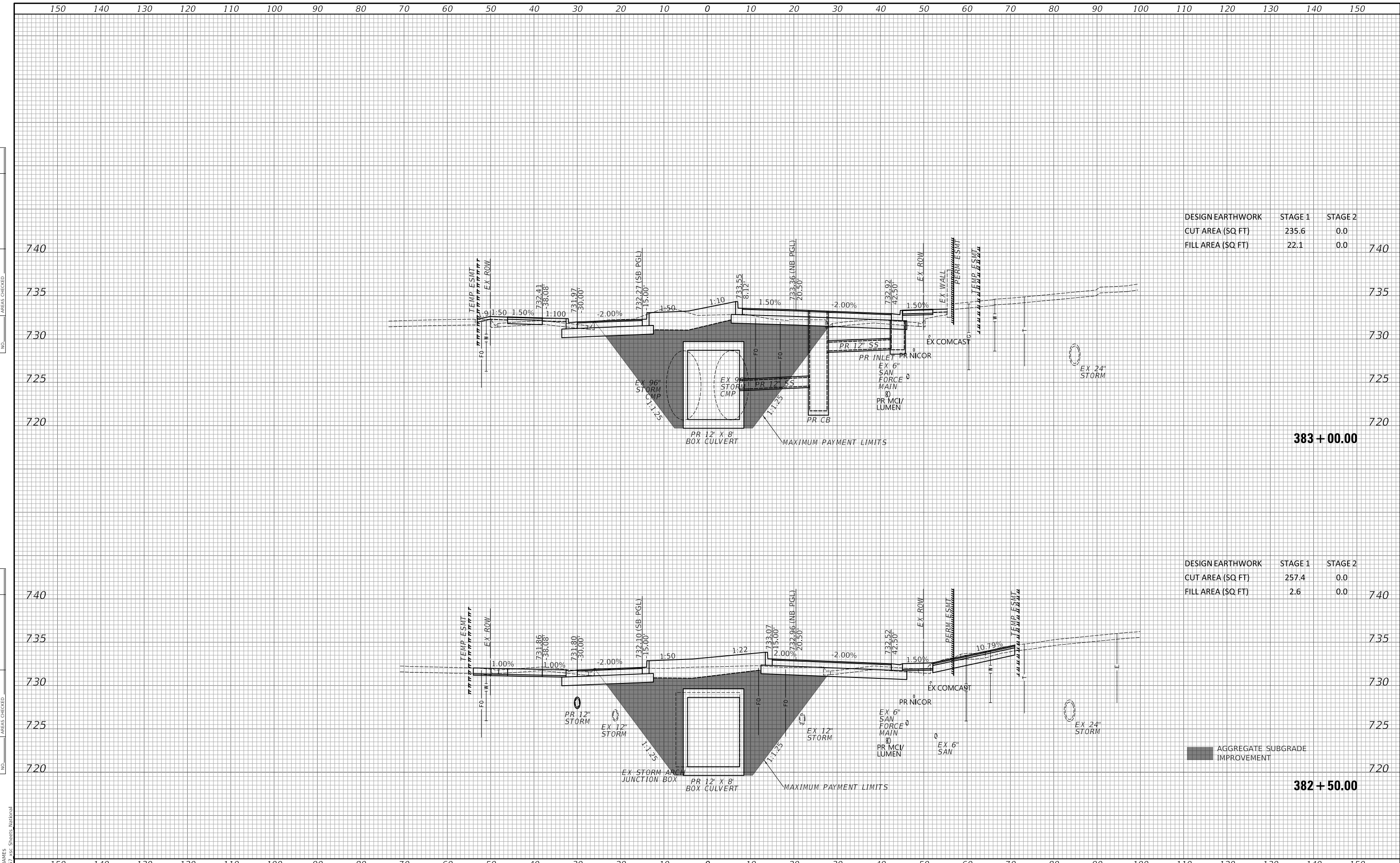
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - NATIONAL PARKWAY
SCALE: 1"=10'H / 5'V SHEET 16 OF 33 SHEETS STA. 382+27.00 TO STA. 382+32.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	225
				CONTRACT NO. 61104
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SUEY	SUVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SUEY	SUVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

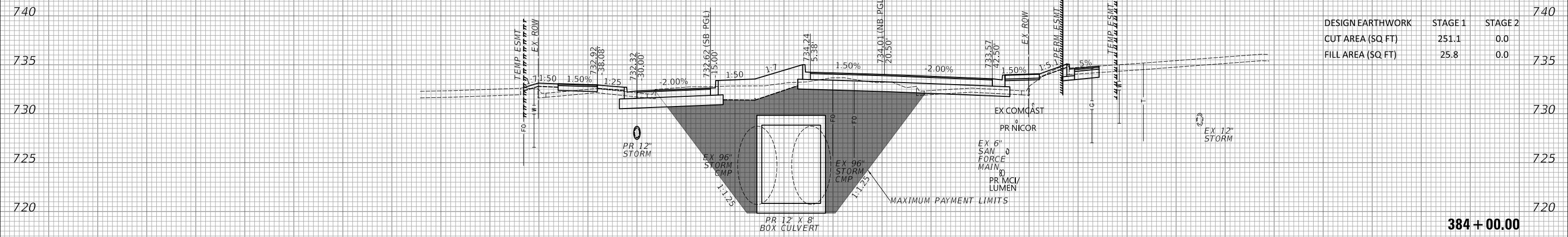


DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	235.6	0.0
FILL AREA (SQ FT)	22.1	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	257.4	0.0
FILL AREA (SQ FT)	2.6	0.0

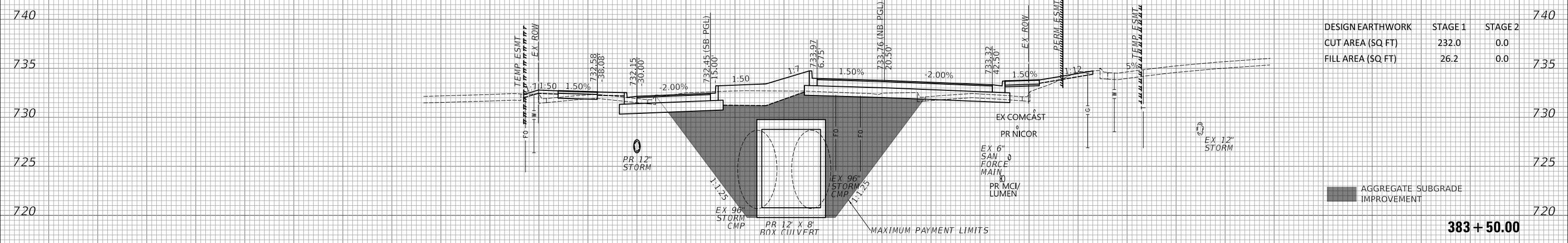
MODEL: SPODELIMAMES
 FILE NAME: ...3351 xsc Sheets_Midnight

FINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE	TEMPLATE	
BOOK	AREAS	
NO.	CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2	740
CUT AREA (SQ FT)	251.1	0.0	
FILL AREA (SQ FT)	25.8	0.0	735

ORIGINAL	SUVEY	DATE
SUVEY	PLOTTED	BY
NOTE	TEMPLATE	
BOOK	AREAS	
NO.	CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2	740
CUT AREA (SQ FT)	232.0	0.0	
FILL AREA (SQ FT)	26.2	0.0	735

AGGREGATE SUBGRADE IMPROVEMENT

MODEL: SPODELIMAMES
FILE NAME: ...3351 xsc Sheets_Material

U.R. NAME = SU,RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000 "/td> <td>DRAWN -</td> <td>REVISED -</td>	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

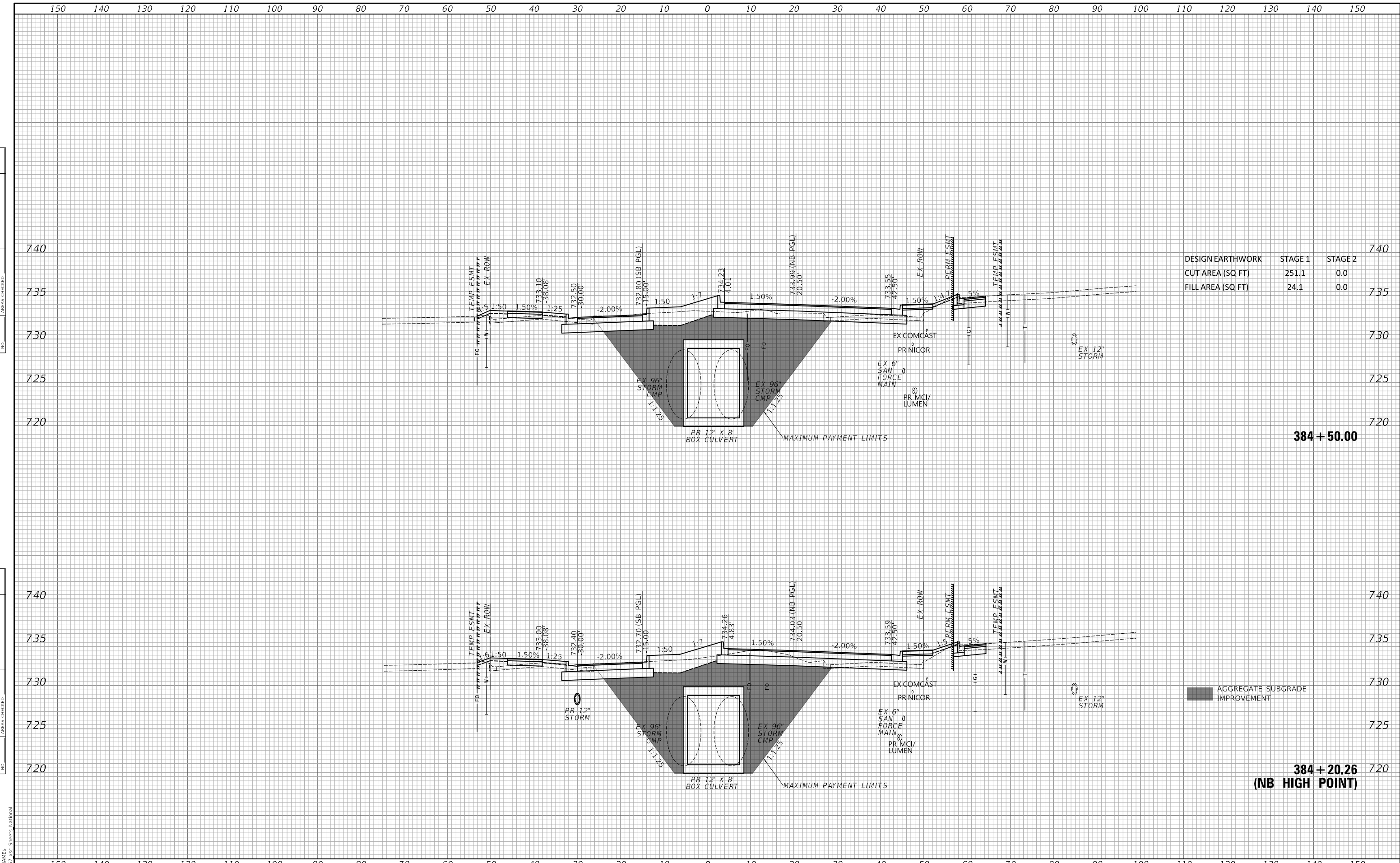
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - NATIONAL PARKWAY	
SCALE: 1"=10'H / 5'V	SHEET 18 OF 33 SHEETS
STA. 383+50.00	TO STA. 384+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	227
				CONTRACT NO. 61J04
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FILED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL	
SHEET	
NOTE BOOK	
NO.	

DATE	
BY	
FILED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL	
SHEET	
NOTE BOOK	
NO.	



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	251.1	0.0
FILL AREA (SQ FT)	24.1	0.0

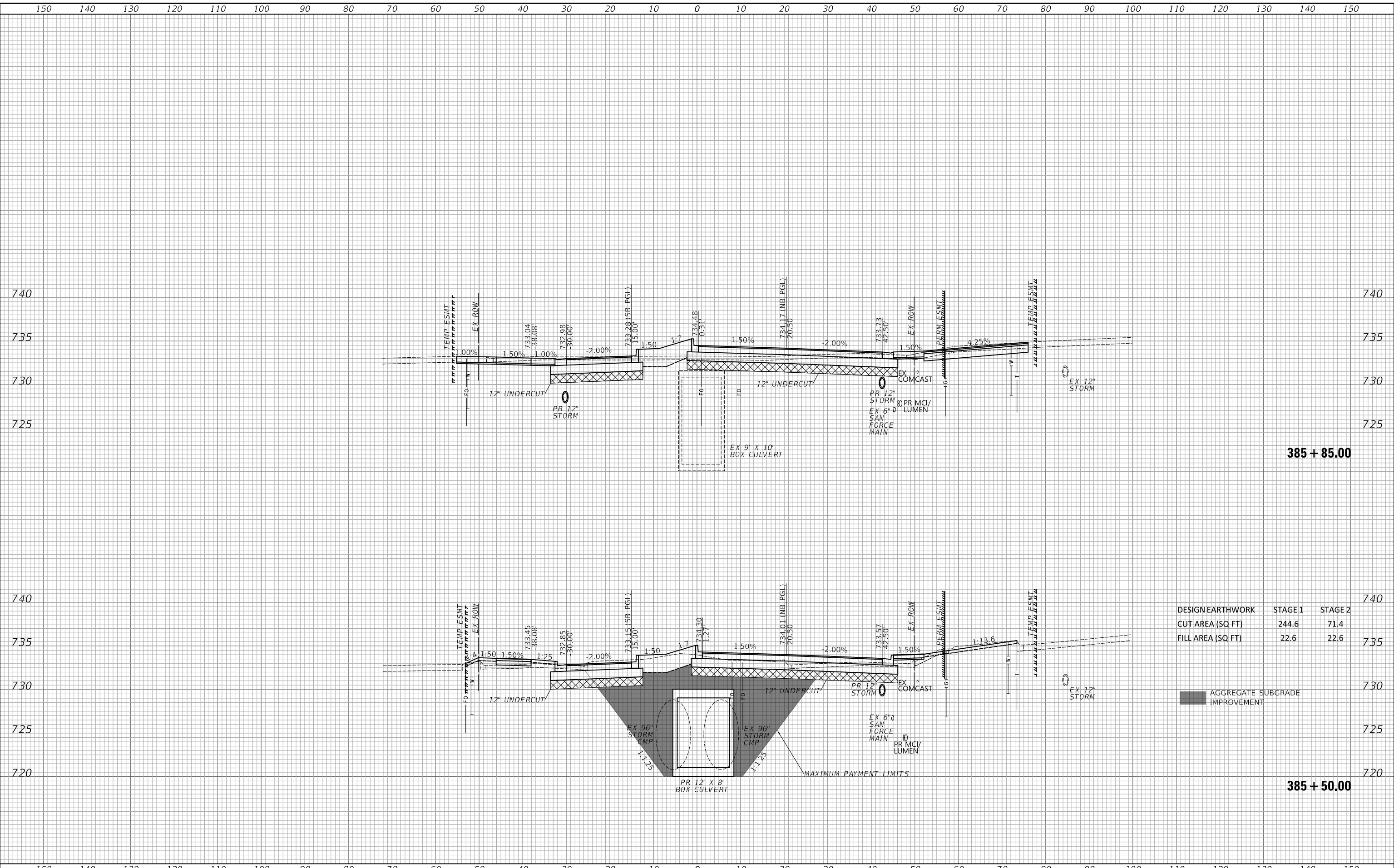
AGGREGATE SUBGRADE IMPROVEMENT

U.R. NAME = SU,RS	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - NATIONAL PARKWAY		F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 228
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISD -		SCALE: 1"=10'H / 5'V	SHEET 19 OF 33 SHEETS	STA. 384+20.26 TO STA. 384+50.00	CONTRACT NO. 61104		ILLINOIS FED. AID PROJECT	
PLOT DATE = 10/31/2022	CHECKED -	REVISD -								
	DATE -	REVISD -								

DATE	
BY	
FINAL	SUVEY
SUVEY	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

DATE	
BY	
ORIGINAL	SUVEY
SUVEY	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

MODEL: SPODELIMAMES
FILE NAME: ...3351 xsc Sheets: National



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	244.6	71.4
FILL AREA (SQ FT)	22.6	22.6

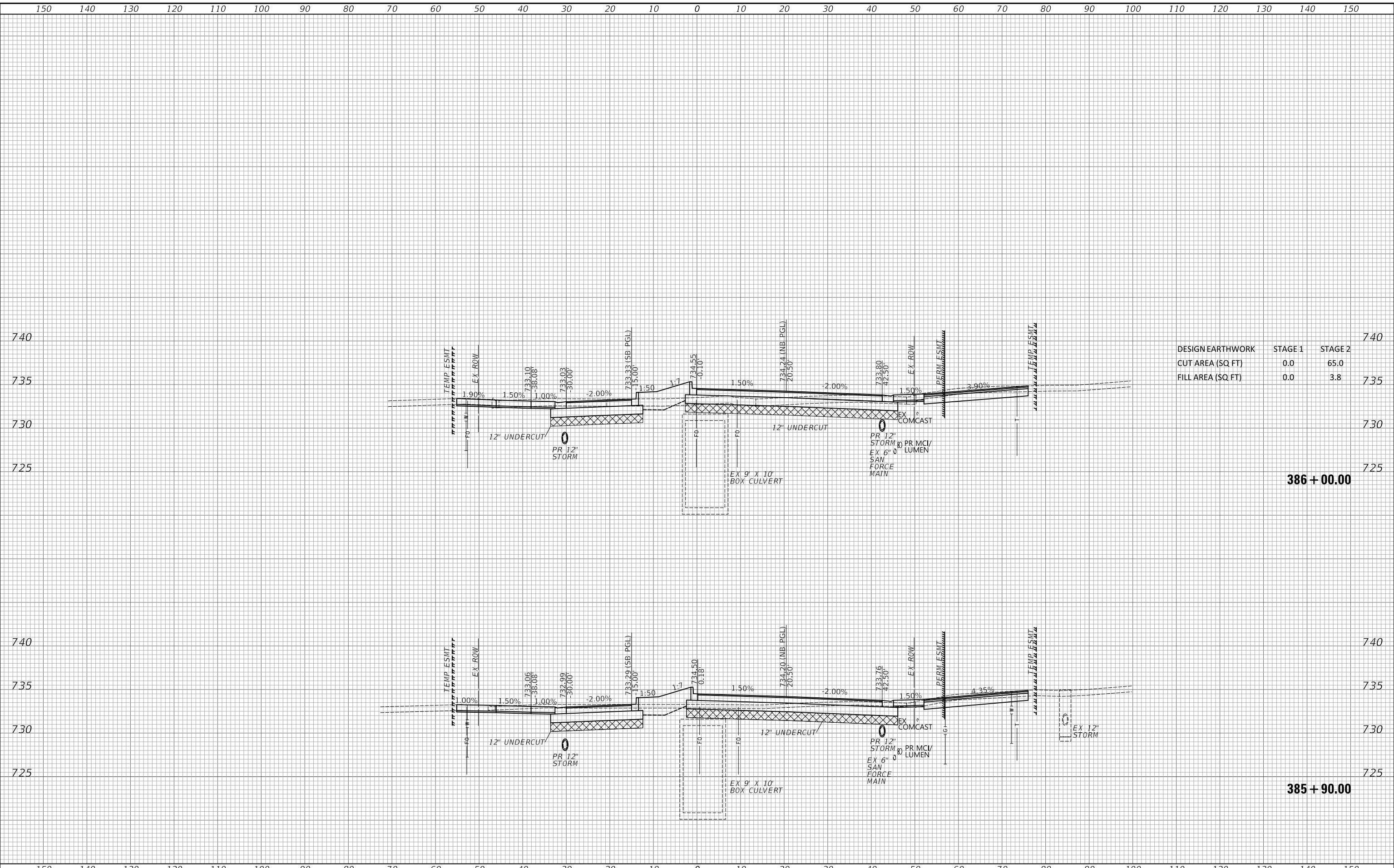
AGGREGATE SUBGRADE IMPROVEMENT

U.R. NAME = SU.RS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - NATIONAL PARKWAY			F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 230	
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -		SCALE: 1"=10'H / 5'V	SHEET 21 OF 33 SHEETS	STA. 385+50.00 TO STA. 385+85.00	CONTRACT NO. 61104					
PLOT DATE = 10/31/2022	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
	DATE -	REVISED -										

FINAL	DATE
SUPLY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL	DATE
SUPLY	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

MODEL: SPODELIMAMES
FILE NAME: ...3351 xsc Streets_Midwest



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	65.0
FILL AREA (SQ FT)	0.0	3.8

U.R. NAME = SU.RS	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/31/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - NATIONAL PARKWAY

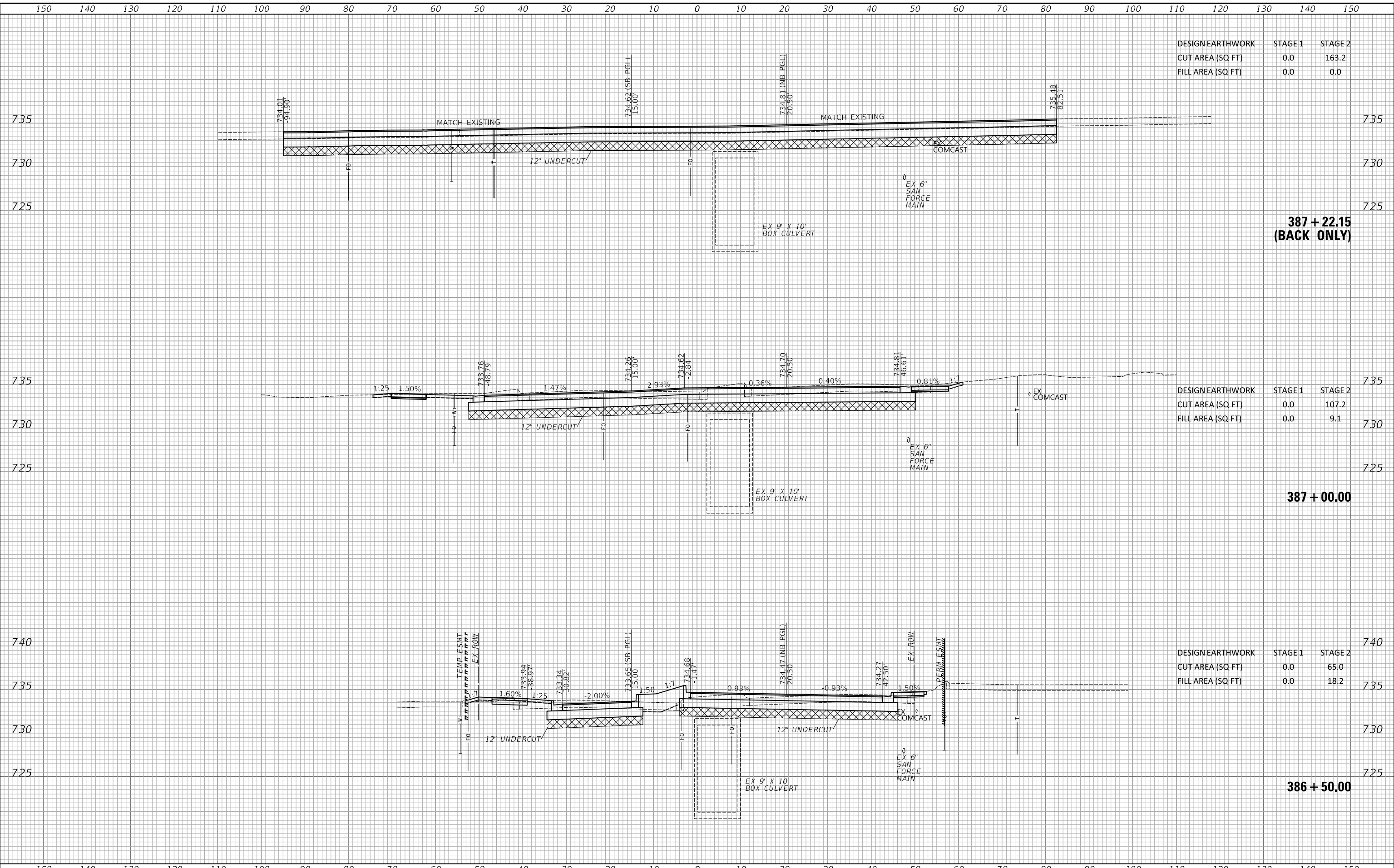
SCALE: 1"=10'H / 5'V SHEET 22 OF 33 SHEETS STA. 385+90.00 TO STA. 386+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	231
CONTRACT NO. 61104			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SUVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
SUVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SUVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
SUVEY	
NOTE BOOK	
NO.	

MODEL: SH061MAME5
FILE NAME: ...3351*.xsc Sheets: National



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	163.2
FILL AREA (SQ FT)	0.0	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	107.2
FILL AREA (SQ FT)	0.0	9.1

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	65.0
FILL AREA (SQ FT)	0.0	18.2

387 + 22.15
(BACK ONLY)

387 + 00.00

386 + 50.00

U.R. NAME = SU.RS	DESIGNED -	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISD -
PLOT DATE = 10/31/2022	CHECKED -	REVISD -
	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

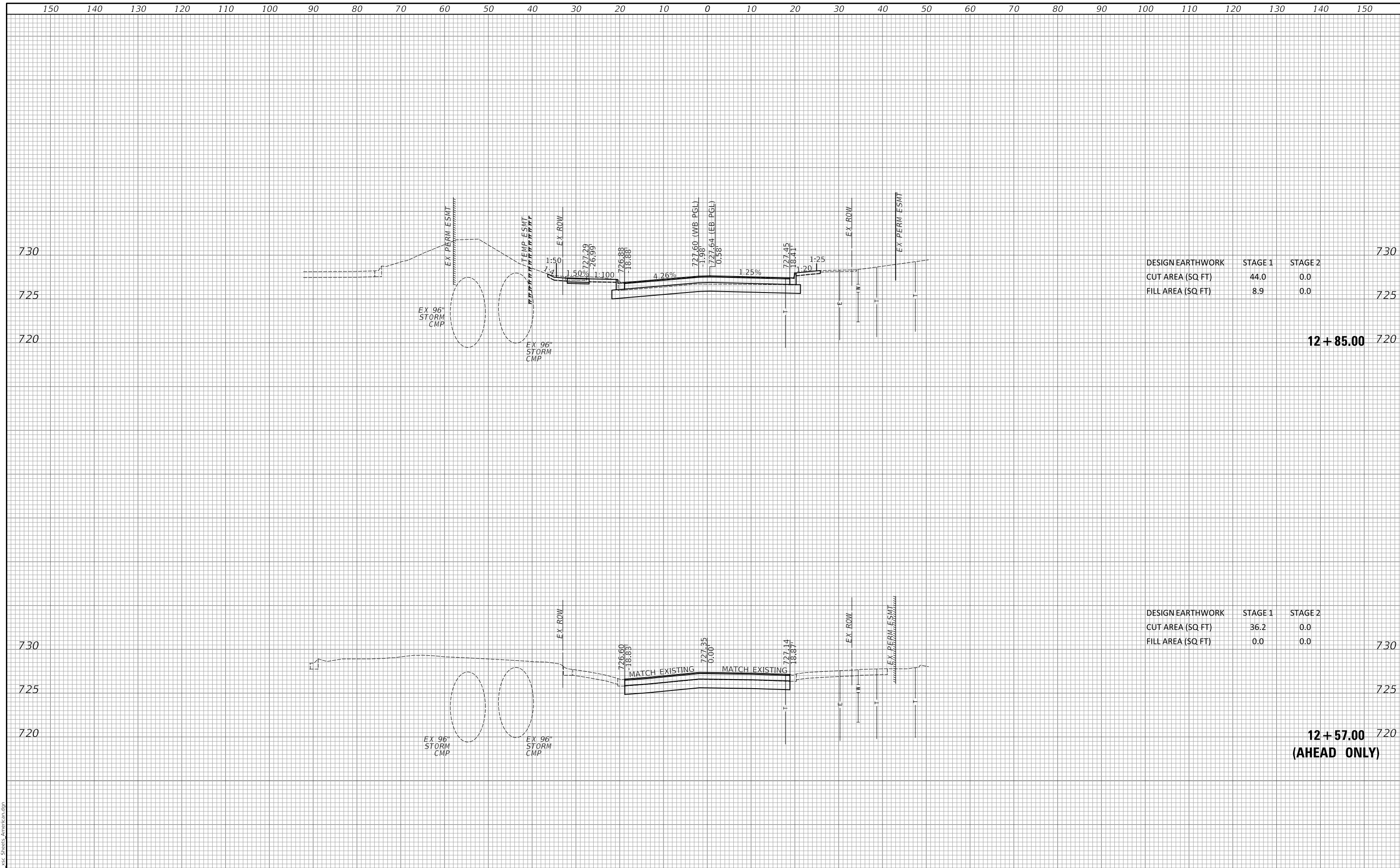
CROSS SECTIONS - NATIONAL PARKWAY

SCALE: 1"=10'H / 5'V SHEET 23 OF 33 SHEETS STA. 386+50.00 TO STA. 387+22.15

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	242
CONTRACT NO. 61104				
ILLINOIS FED. AID PROJECT				

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

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



DESIGN EARTHWORK	STAGE 1	STAGE 2	
CUT AREA (SQ FT)	44.0	0.0	730
FILL AREA (SQ FT)	8.9	0.0	725

12 + 85.00 720

DESIGN EARTHWORK	STAGE 1	STAGE 2	
CUT AREA (SQ FT)	36.2	0.0	730
FILL AREA (SQ FT)	0.0	0.0	725

12 + 57.00 720
(AHEAD ONLY)

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets American.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

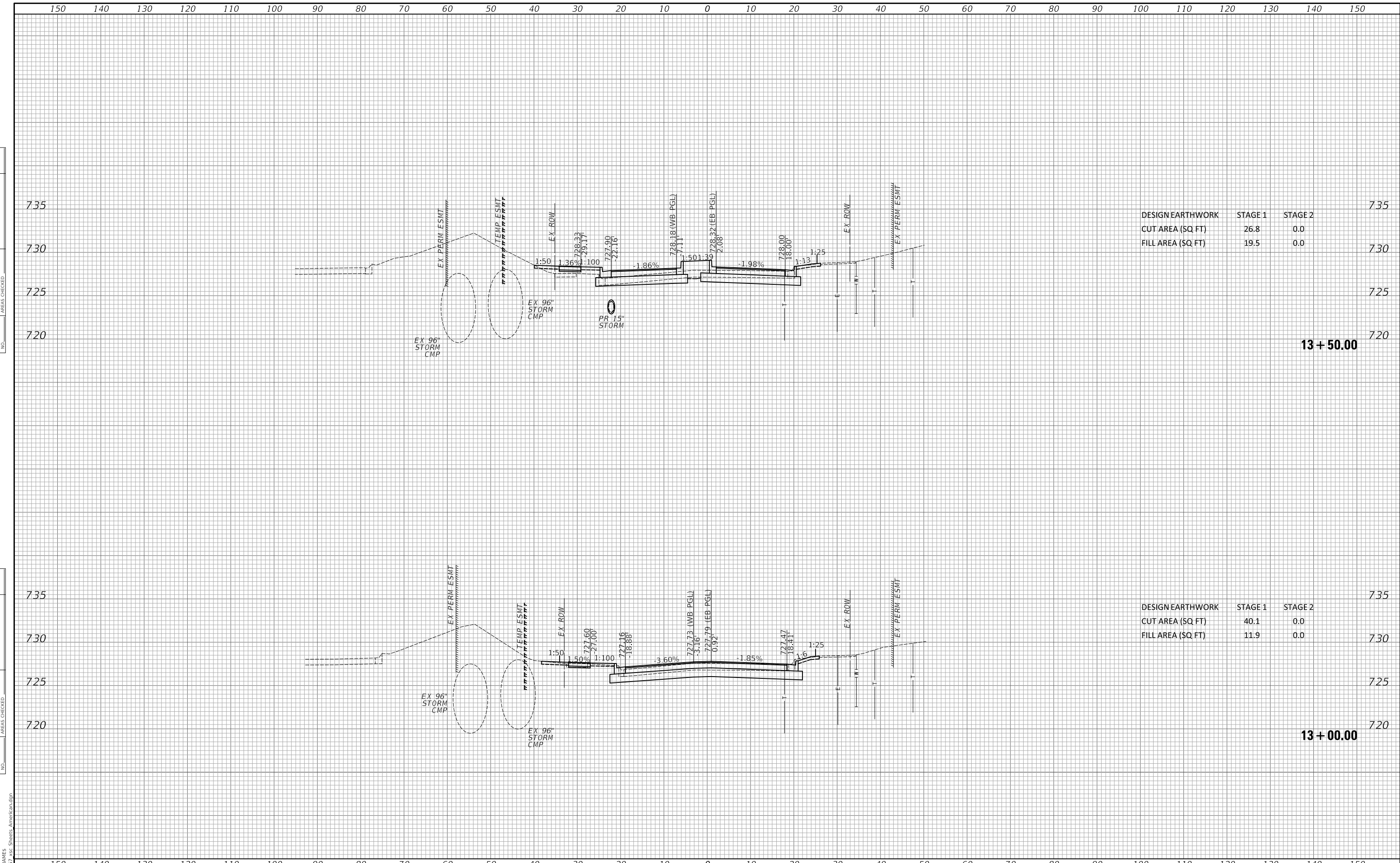
CROSS SECTIONS - AMERICAN LANE

SCALE: 1"=10'H / 5'V SHEET 24 OF 33 SHEETS STA. 12+57.00 TO STA. 12+85.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-00-PV	COOK	242	233
				CONTRACT NO. 61104
		ILLINOIS	FED. AID PROJECT	

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

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



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	26.8	0.0
FILL AREA (SQ FT)	19.5	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	40.1	0.0
FILL AREA (SQ FT)	11.9	0.0

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

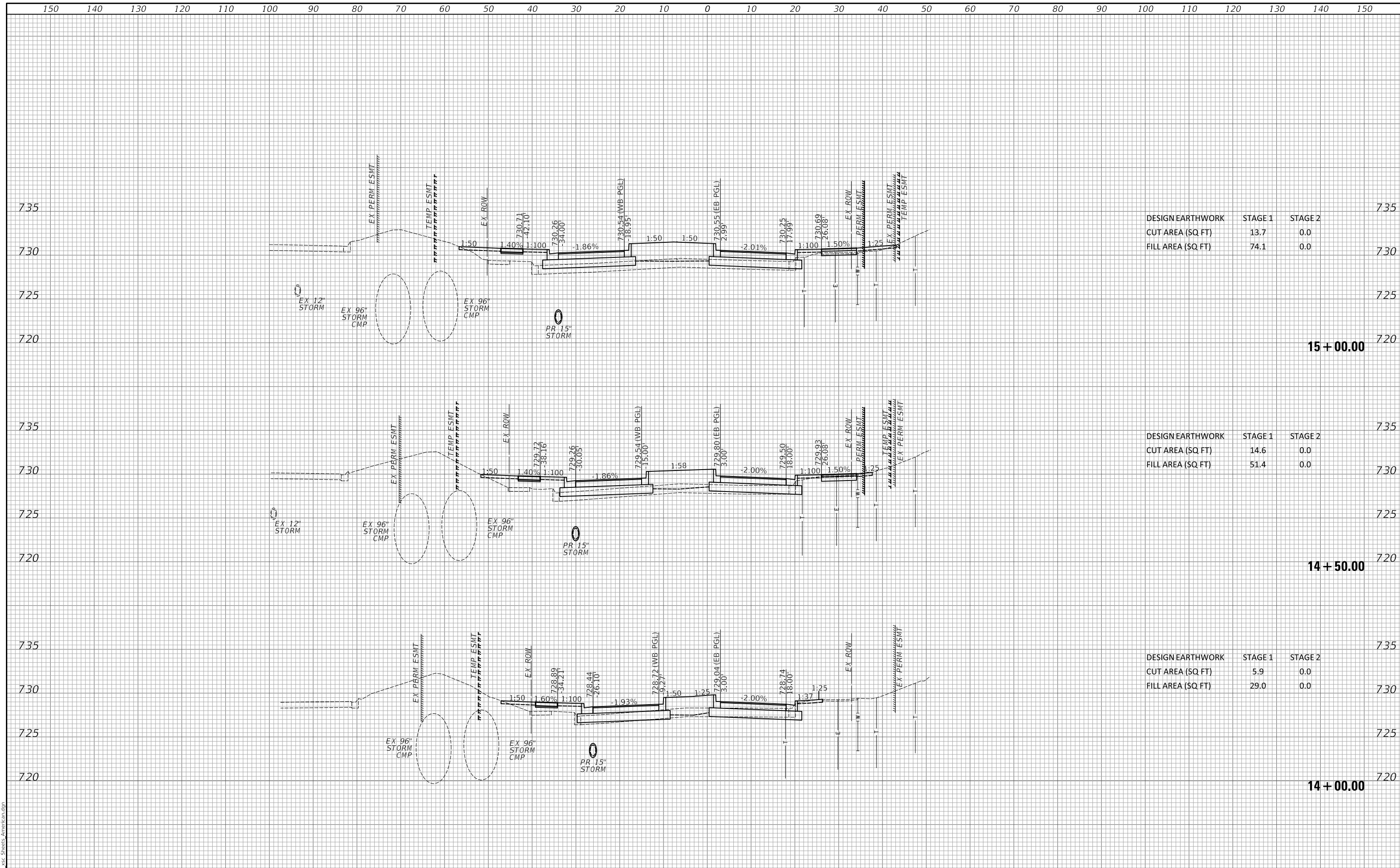
CROSS SECTIONS - AMERICAN LANE	
SCALE: 1"=10'H / 5'V	SHEET 25 OF 33 SHEETS
STA. 13+00.00	TO STA. 13+50.00

F.A.U. RTE. 1103	SECTION 16-00127-03-PV	COUNTY COOK	TOTAL SHEETS 242	SHEET NO. 234
				CONTRACT NO. 61104
				ILLINOIS FED. AID PROJECT

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets American.dgn

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2	735
CUT AREA (SQ. FT)	13.7	0.0	730
FILL AREA (SQ. FT)	74.1	0.0	725

DESIGN EARTHWORK	STAGE 1	STAGE 2	735
CUT AREA (SQ. FT)	14.6	0.0	730
FILL AREA (SQ. FT)	51.4	0.0	725

DESIGN EARTHWORK	STAGE 1	STAGE 2	735
CUT AREA (SQ. FT)	5.9	0.0	730
FILL AREA (SQ. FT)	29.0	0.0	725

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - AMERICAN LANE

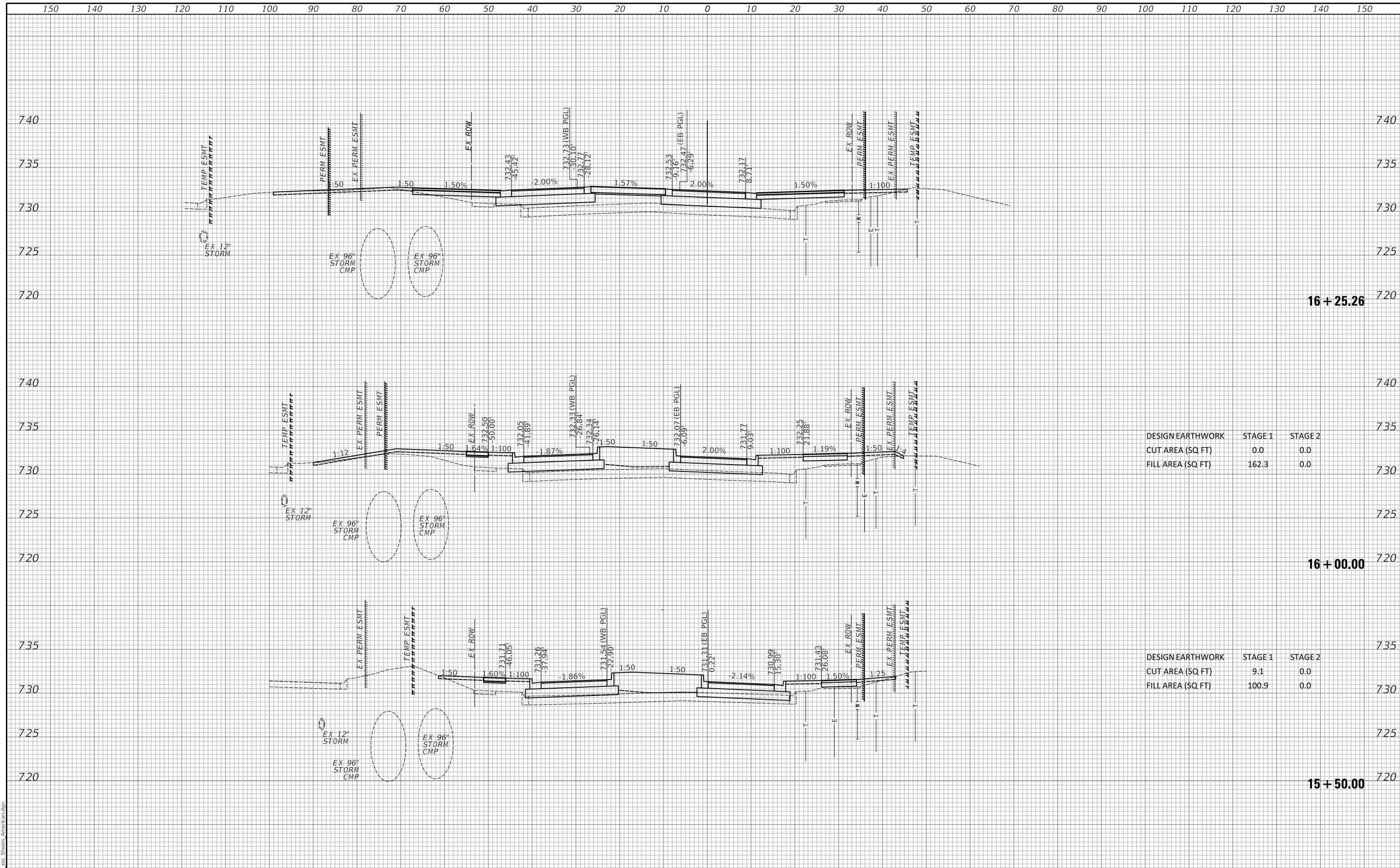
SCALE: 1"=10'H / 5'V SHEET 26 OF 33 SHEETS STA. 14+00.00 TO STA. 15+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	235
				CONTRACT NO. 61104
				ILLINOIS FED. AID PROJECT

MODEL: S:\MODEL\MAMES
FILE NAME: ...3531 xsc Streets American.dgn

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

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



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	0.0
FILL AREA (SQ FT)	162.3	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	9.1	0.0
FILL AREA (SQ FT)	100.9	0.0

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 10/31/2022	DATE - 8/04/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - AMERICAN LANE

SCALE: 1"=10'H / 5'V SHEET 27 OF 33 SHEETS STA. 15+50.00 TO STA. 16+25.26

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	236
				CONTRACT NO. 61104

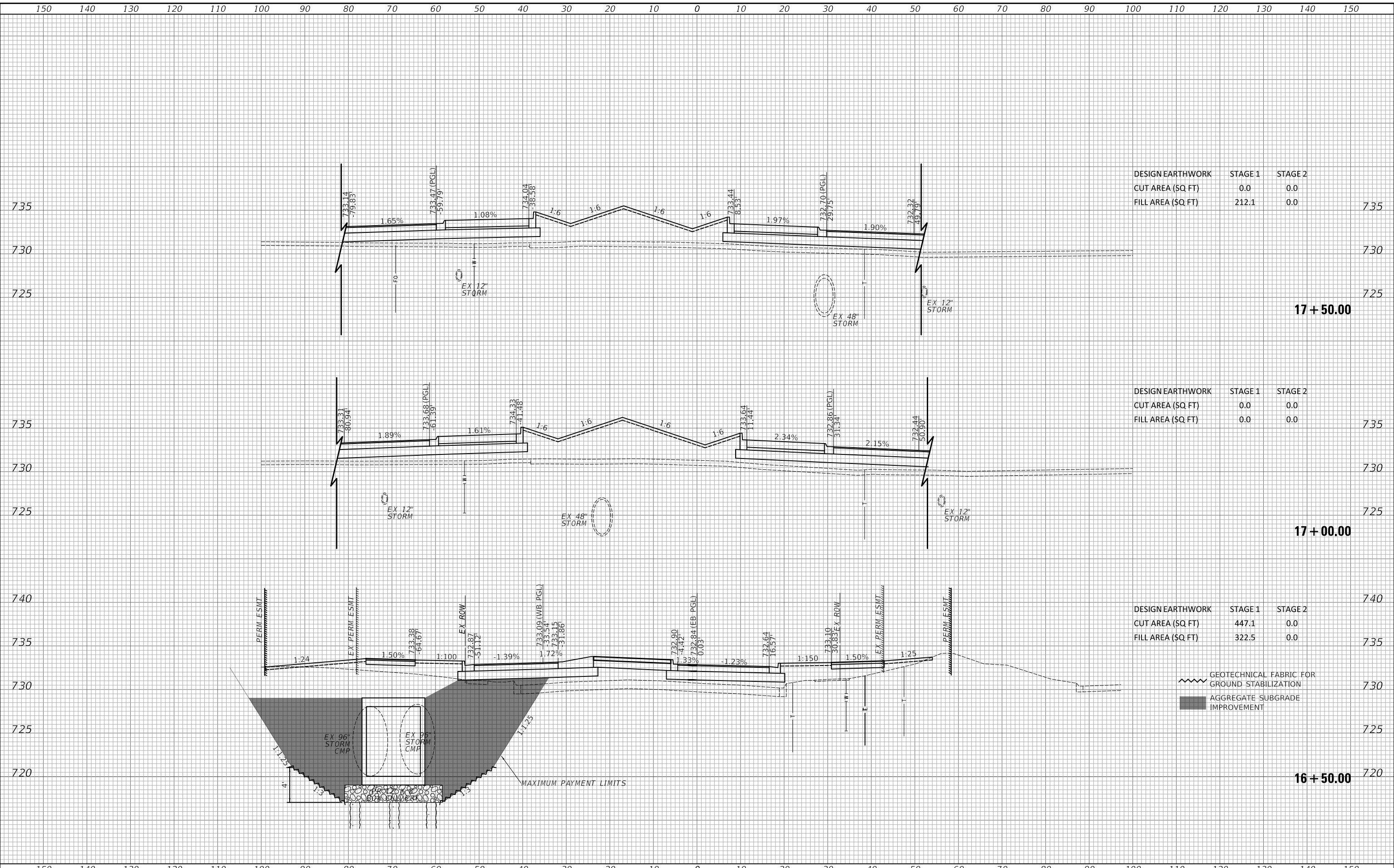
ILLINOIS FED. AID PROJECT

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets American.dgn

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

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

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets American.dgn



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	0.0
FILL AREA (SQ FT)	212.1	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	0.0
FILL AREA (SQ FT)	0.0	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	447.1	0.0
FILL AREA (SQ FT)	322.5	0.0

- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AGGREGATE SUBGRADE IMPROVEMENT

USER NAME = JFG	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 11/11/2022	DATE - 11/11/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

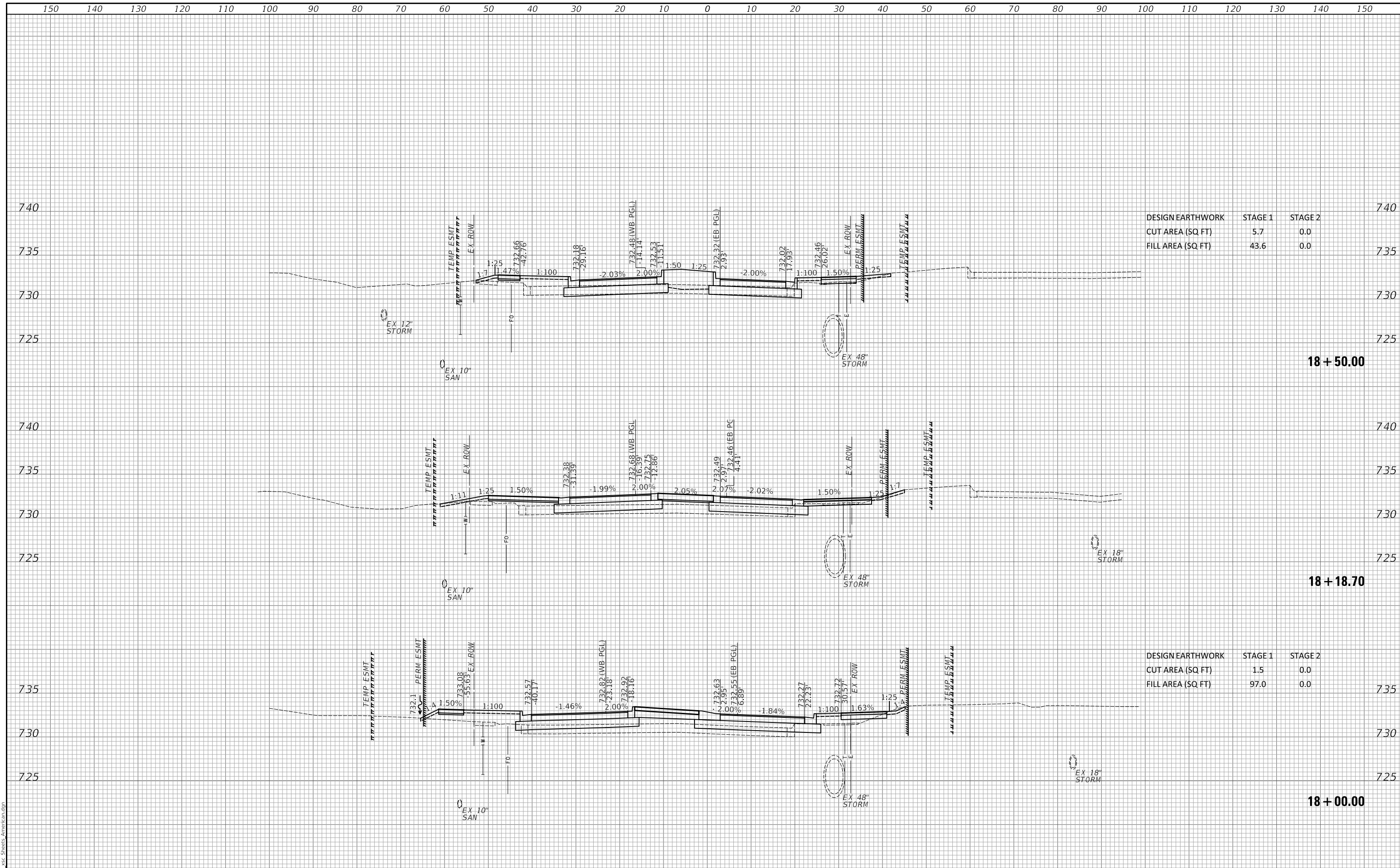
CROSS SECTIONS - AMERICAN LANE

SCALE: 1"=10'H / 5'V SHEET 28 OF 33 SHEETS STA. 16+50.00 TO STA. 17+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	237
				CONTRACT NO. 61J04
		ILLINOIS	FED. AID PROJECT	

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

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



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	5.7	0.0
FILL AREA (SQ FT)	43.6	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	1.5	0.0
FILL AREA (SQ FT)	97.0	0.0

MODEL: S:\MODEL\AMES
FILE NAME: ...3351.xsc Streets American.dgn

USER NAME = JFG	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 11/11/2022	CHECKED - DJK	REVISED -
	DATE - 11/11/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

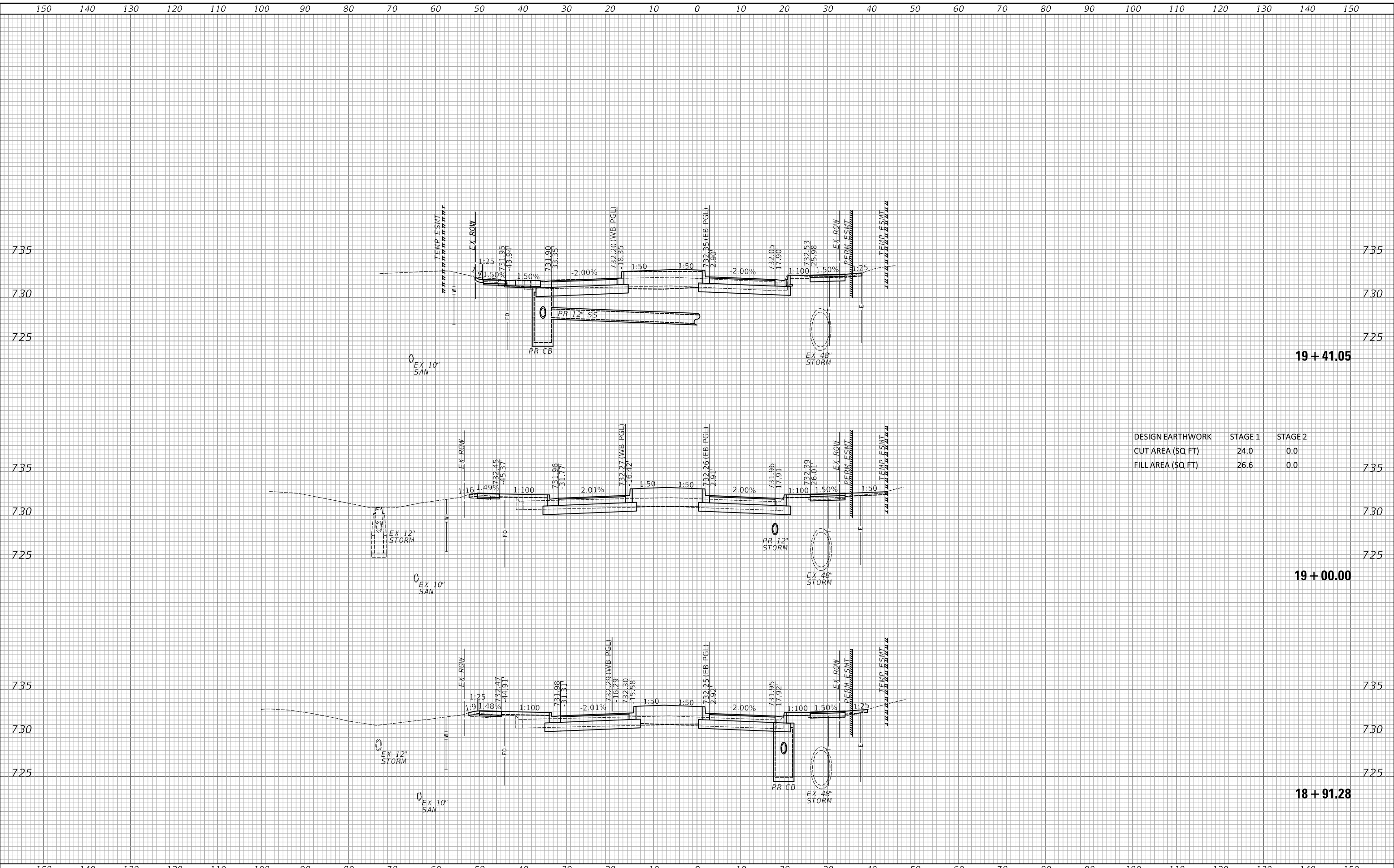
CROSS SECTIONS - AMERICAN LANE	
SCALE: 1"=10'H / 5'V	SHEET 29 OF 33 SHEETS
STA. 18+00.00	TO STA. 18+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	238
CONTRACT NO. 61J04				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets American.lan



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	24.0	0.0
FILL AREA (SQ FT)	26.6	0.0

USER NAME = JFG	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 11/11/2022	CHECKED - DJK	REVISED -
	DATE - 11/11/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - AMERICAN LANE

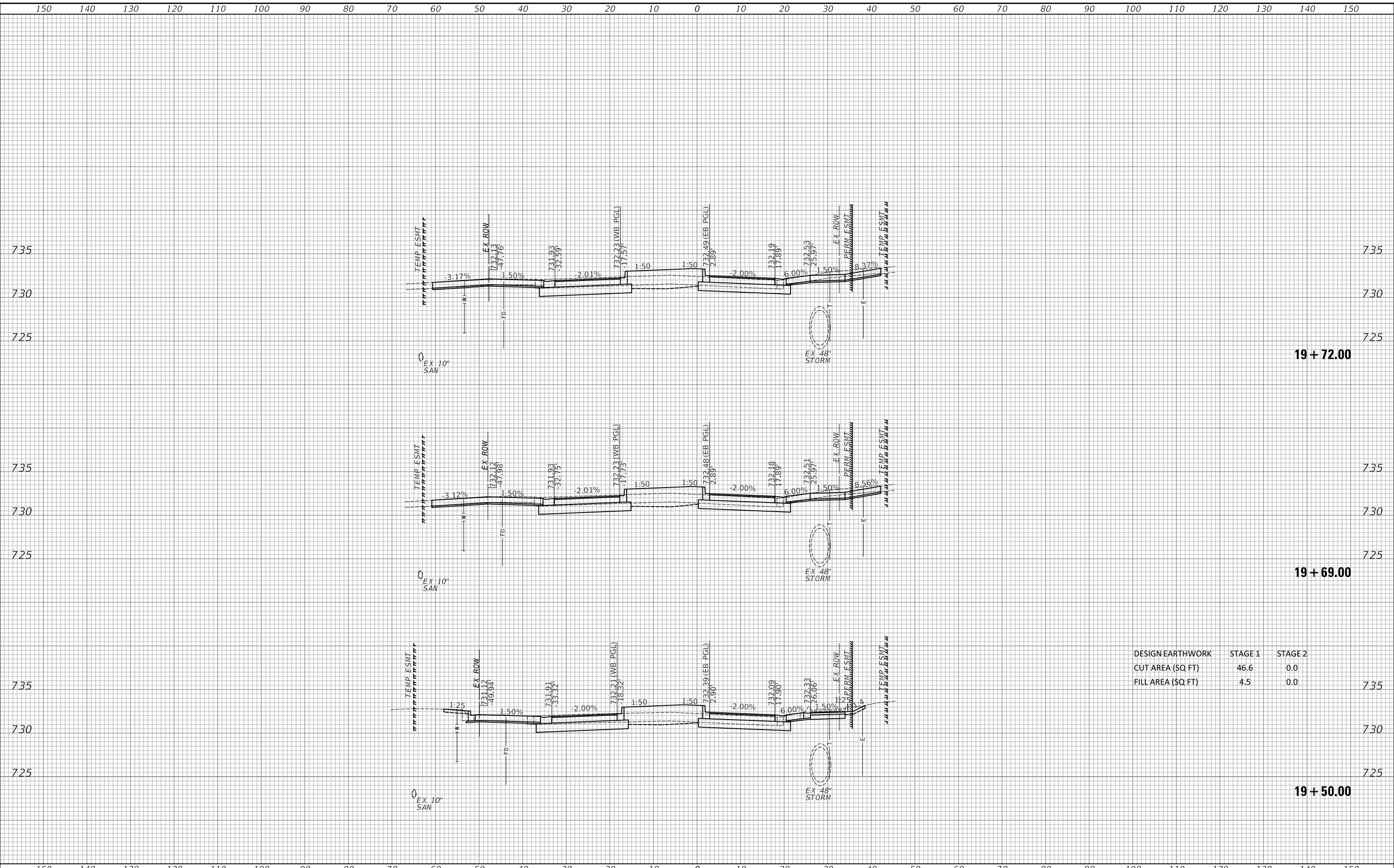
SCALE: 1"=10'H / 5'V SHEET 30 OF 33 SHEETS STA. 18+91.28 TO STA. 19+41.05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	239
CONTRACT NO. 61J04			ILLINOIS FED. AID PROJECT	

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

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

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets American.lan



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	46.6	0.0
FILL AREA (SQ FT)	4.5	0.0

USER NAME = JFG	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 11/11/2022	CHECKED - DJK	REVISED -
	DATE - 11/11/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

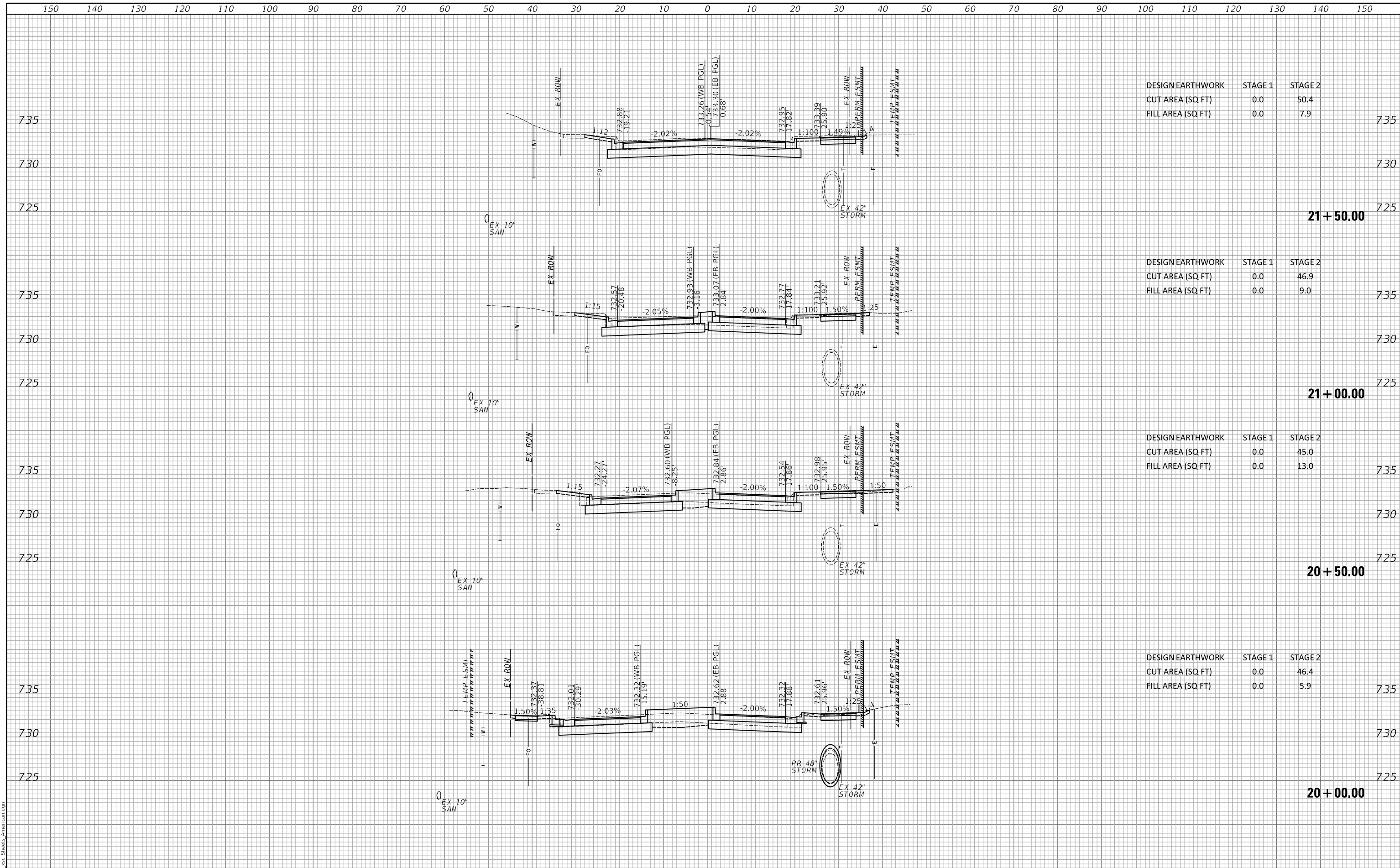
CROSS SECTIONS - AMERICAN LANE

SCALE: 1"=10'H / 5'V SHEET 31 OF 33 SHEETS STA. 19+50.00 TO STA. 19+72.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	240
CONTRACT NO. 61104			ILLINOIS FED. AID PROJECT	

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

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



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	50.4
FILL AREA (SQ FT)	0.0	7.9

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	46.9
FILL AREA (SQ FT)	0.0	9.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	45.0
FILL AREA (SQ FT)	0.0	13.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	46.4
FILL AREA (SQ FT)	0.0	5.9

MODEL: S:\MODEL\MAMES
FILE NAME: ...3351 xsc Streets American.dgn

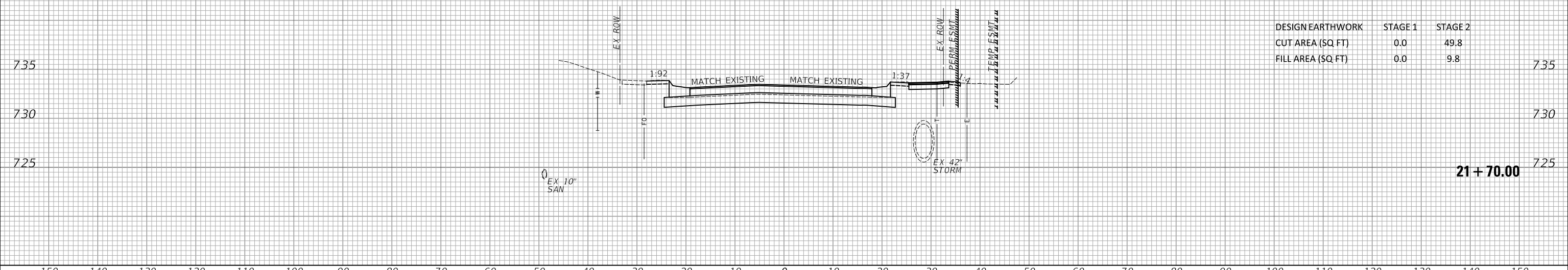
USER NAME = JFG	DESIGNED - JAT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - AMERICAN LANE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -				1103	16-00127-03-PV	COOK	242	241	
PLOT DATE = 11/11/2022	CHECKED - DJK	REVISED -		SCALE: 1"=10'H / 5'V		SHEET 32 OF 33 SHEETS		STA. 20+00.00 TO STA. 21+50.00		CONTRACT NO. 61J04	
	DATE - 11/11/2022	REVISED -						ILLINOIS		FED. AID PROJECT	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: S:\MODEL\MMS\16-00127-03-PV\16-00127-03-PV.dwg



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	0.0	49.8
FILL AREA (SQ FT)	0.0	9.8

21+70.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

USER NAME = JFG	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 11/11/2022	CHECKED - DJK	REVISED -
	DATE - 11/11/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - AMERICAN LANE

SCALE: 1"=10'H / 5'V SHEET 33 OF 33 SHEETS STA. 21+70.00 TO STA. 21+70.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1103	16-00127-03-PV	COOK	242	242
CONTRACT NO. 61104			ILLINOIS FED. AID PROJECT	