

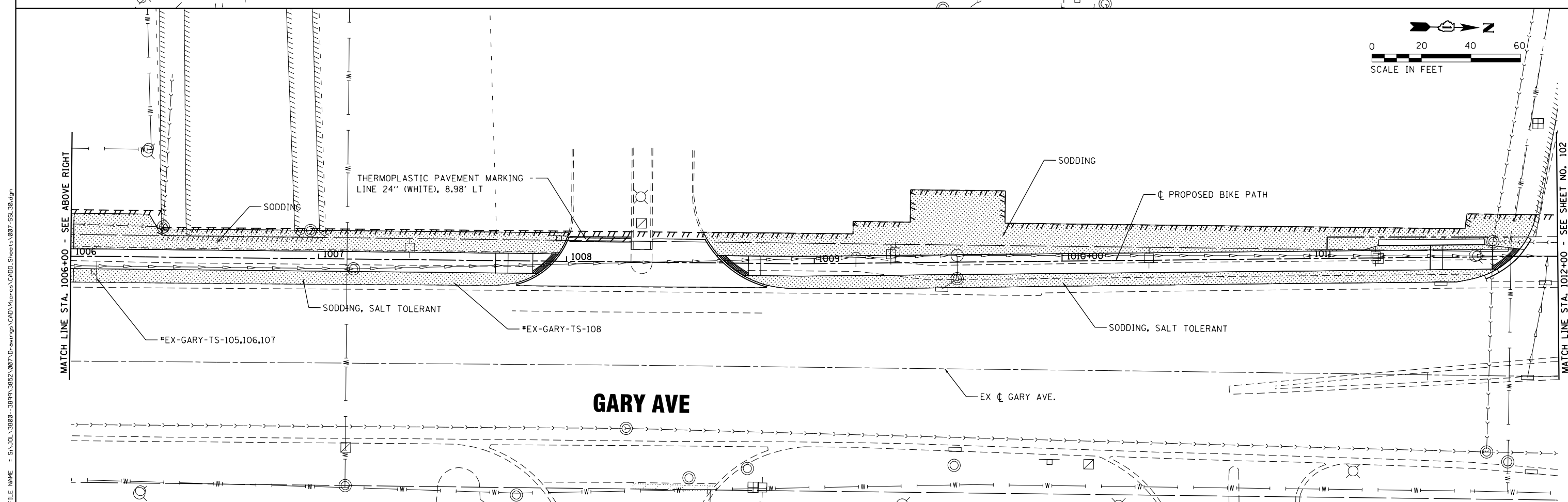
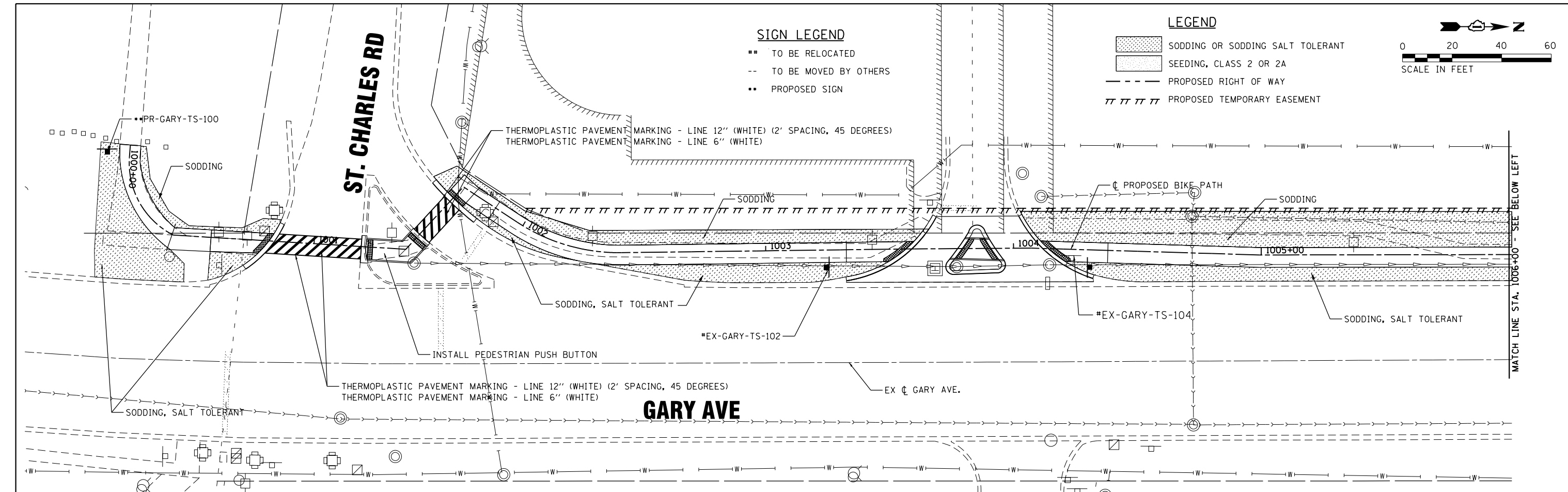
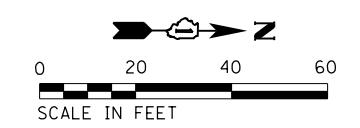


SIGN LEGEND

- ** TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
- - - - - PROPOSED RIGHT OF WAY
- ||||| PROPOSED TEMPORARY EASEMENT



FILE NAME = SA\101_38800-38931\38931\007\Dr-arrogp\CAD\Micros\CAD00_Sheets\007-SSL_38.dgn



USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -



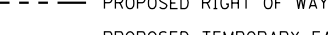
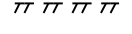
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**




SCALE: 1"=20' SHEET OF SHEETS STA. 1000+00 TO STA. 1012+00

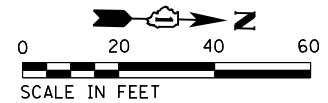
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	101
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
-  PROPOSED RIGHT OF WAY
-  PROPOSED TEMPORARY EASEMENT

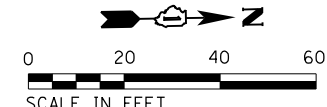
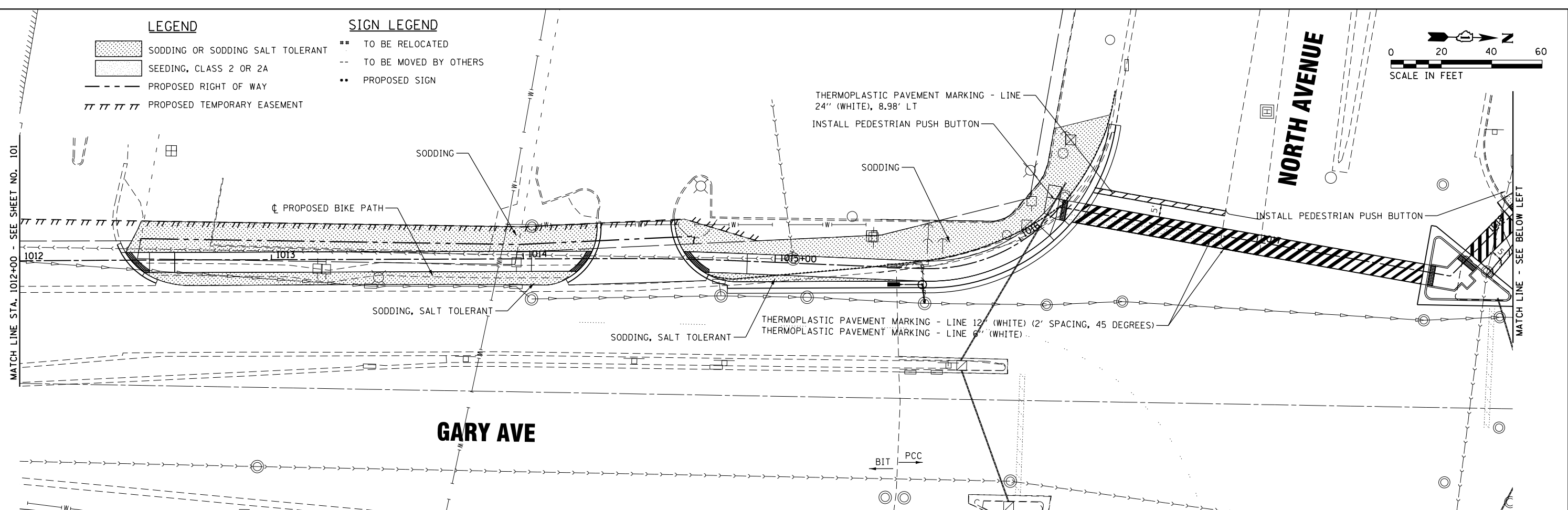
SIGN LEGEND

-  TO BE RELOCATED
-  TO BE MOVED BY OTHERS
-  PROPOSED SIGN



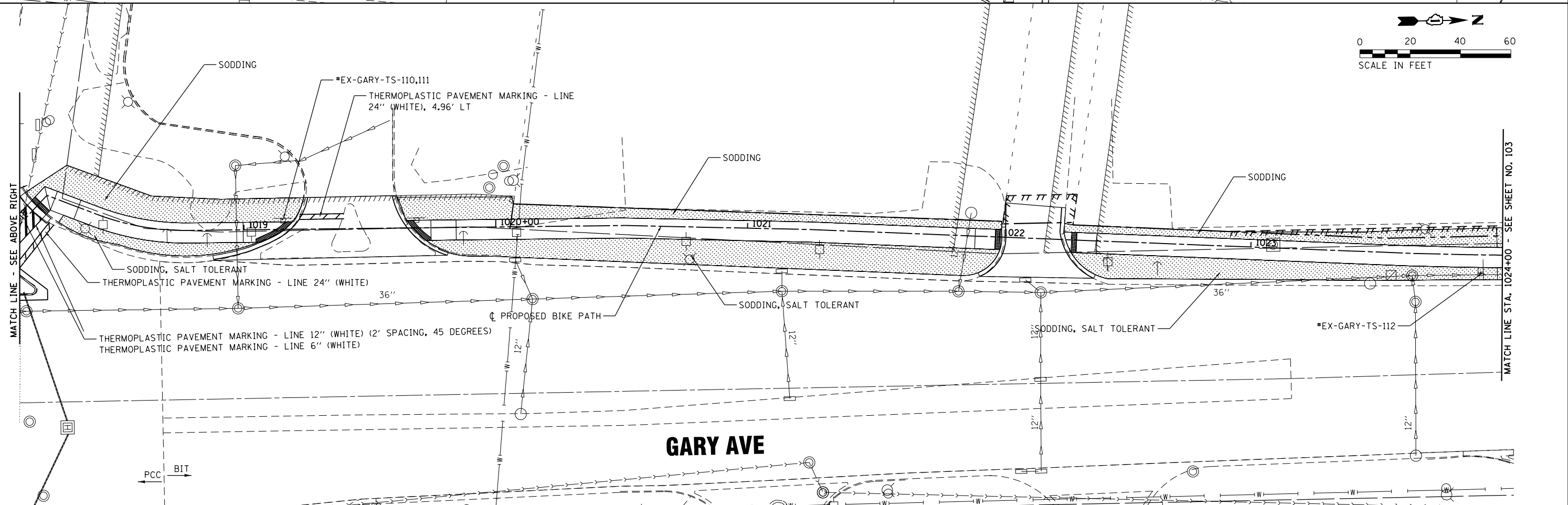
MATCH LINE STA. 1012+00 - SEE SHEET NO. 101

MATCH LINE - SEE BELOW LEFT



MATCH LINE - SEE ABOVE RIGHT

MATCH LINE STA. 1024+00 - SEE SHEET NO. 103



FILE NAME = SA\101_38800-38991\3882\007\Dr-arrogp\CAD\Micros\CAD00_Sheets\007-SSL_31.dgn



USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 12/6/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
 LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 1012+00 TO STA. 1024+00

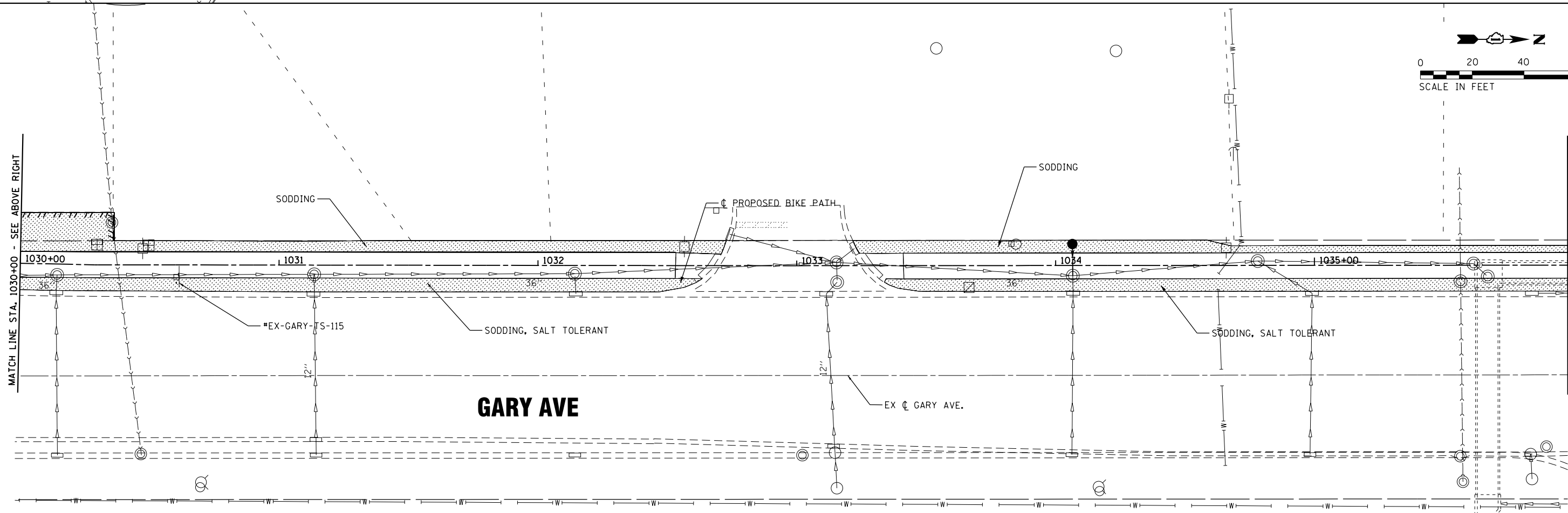
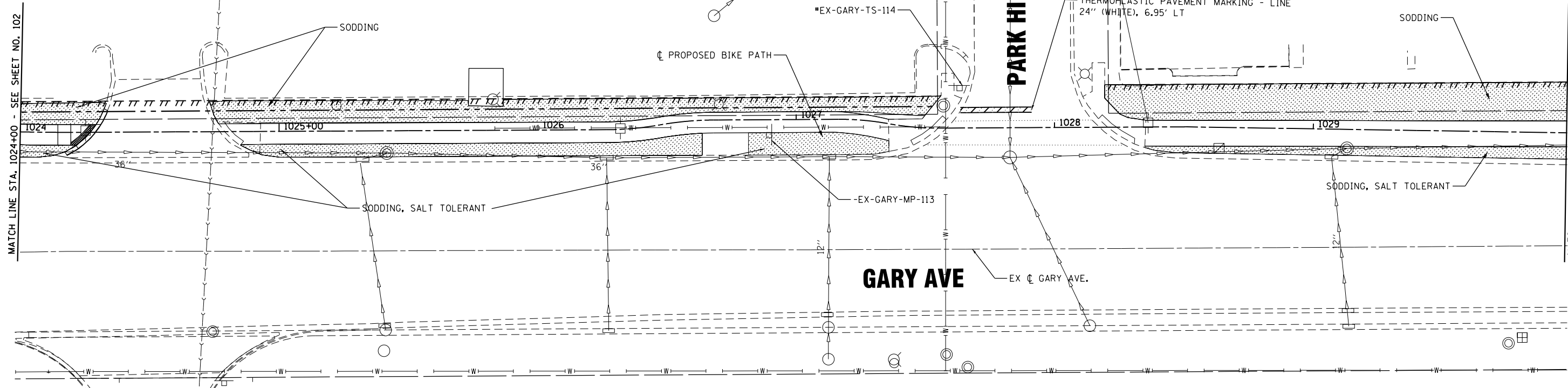
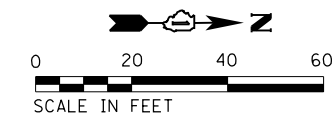
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	102
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				

SIGN LEGEND

- ** TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

- SODDING OR SODDING SALT TOLERANT
- SEEDING, CLASS 2 OR 2A
- PROPOSED RIGHT OF WAY
- PROPOSED TEMPORARY EASEMENT



FILE NAME = S:\101_38800-38919\3882\007\Dr-armpg\CAD\Micros\CAD00_Sheets\007-SSL32.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**





SCALE: 1"=20' SHEET OF SHEETS STA. 1024+00 TO STA. 1036+00

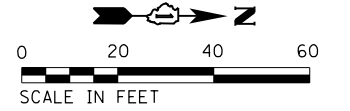
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	103
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				

SIGN LEGEND

- TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

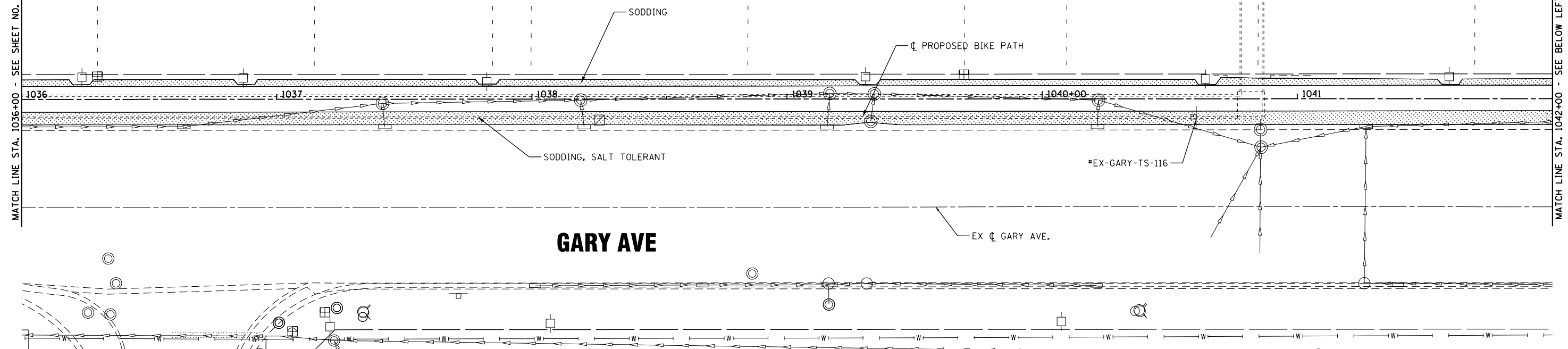
LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
-  PROPOSED RIGHT OF WAY
-  PROPOSED TEMPORARY EASEMENT



MATCH LINE STA. 1036+00 - SEE SHEET NO. 103

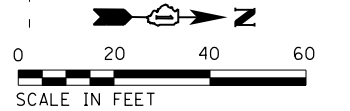
MATCH LINE STA. 1042+00 - SEE BELOW LEFT



GARY AVE

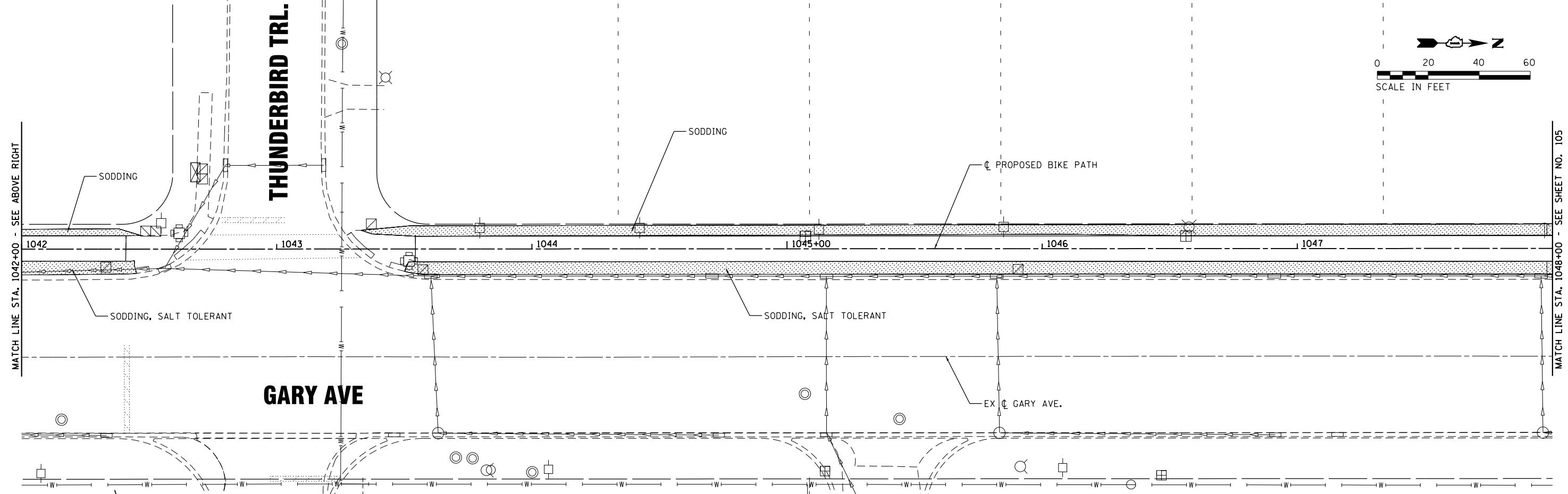
#EX-GARY-TS-116

EX GARY AVE.



MATCH LINE STA. 1042+00 - SEE ABOVE RIGHT

MATCH LINE STA. 1048+00 - SEE SHEET NO. 105



GARY AVE

THUNDERBIRD TRL.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 1036+00 TO STA. 1048+00

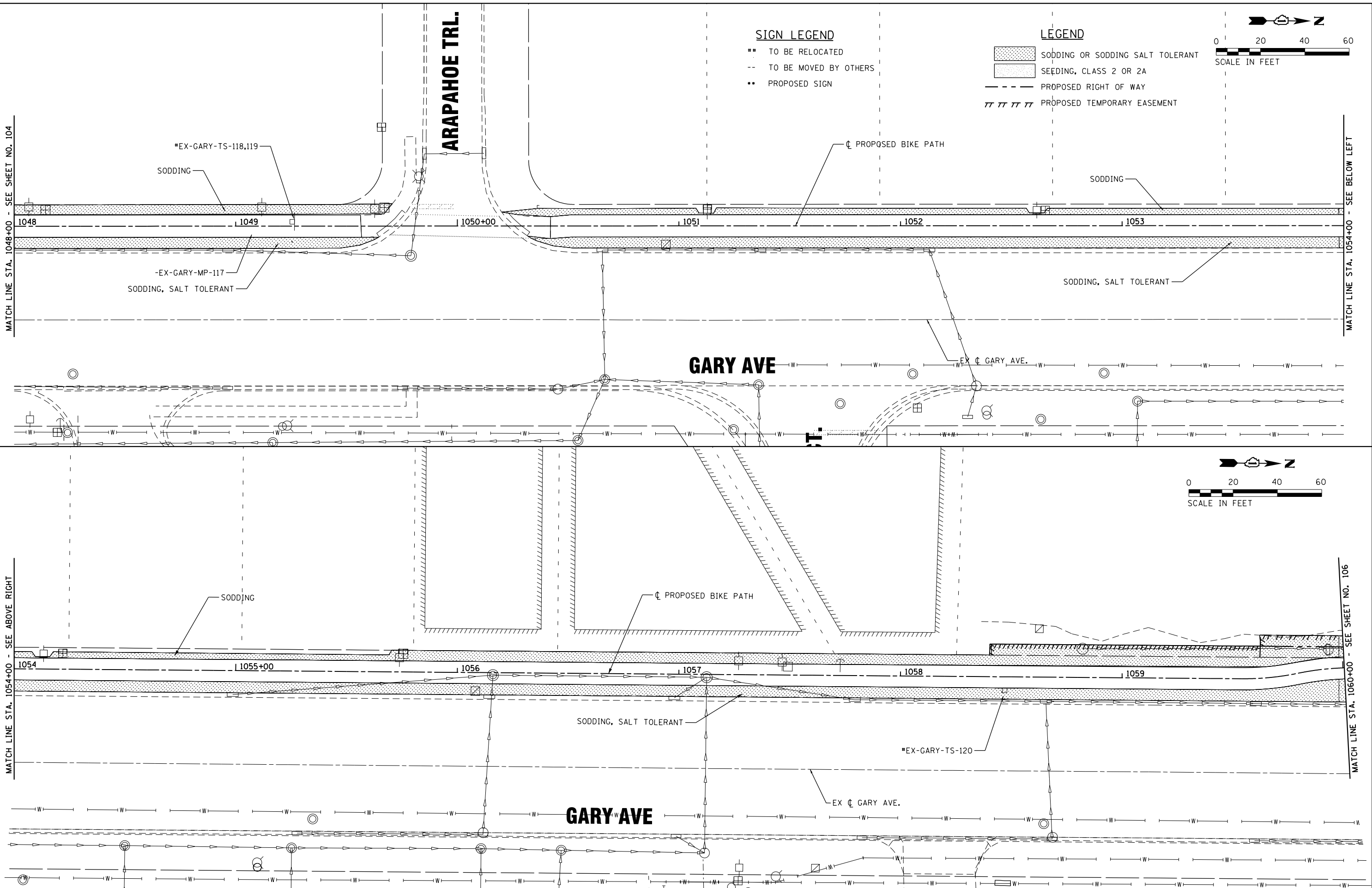
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	104
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\101_38800-38941\38802\007\Drwings\CADD\Micros\CADD_Sheets\007-SSL_33.dgn

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

FILE NAME = S:\I\138800-3893\3882\007\Dr-armpg\CAD\Micros\CAD00_Sheets\007-SSL_34.dgn

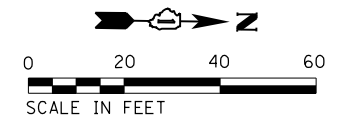
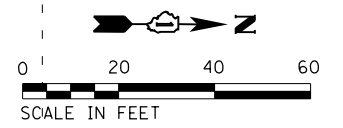


SIGN LEGEND

- TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

- SODDING OR SODDING SALT TOLERANT
- SEEDING, CLASS 2 OR 2A
- PROPOSED RIGHT OF WAY
- PROPOSED TEMPORARY EASEMENT



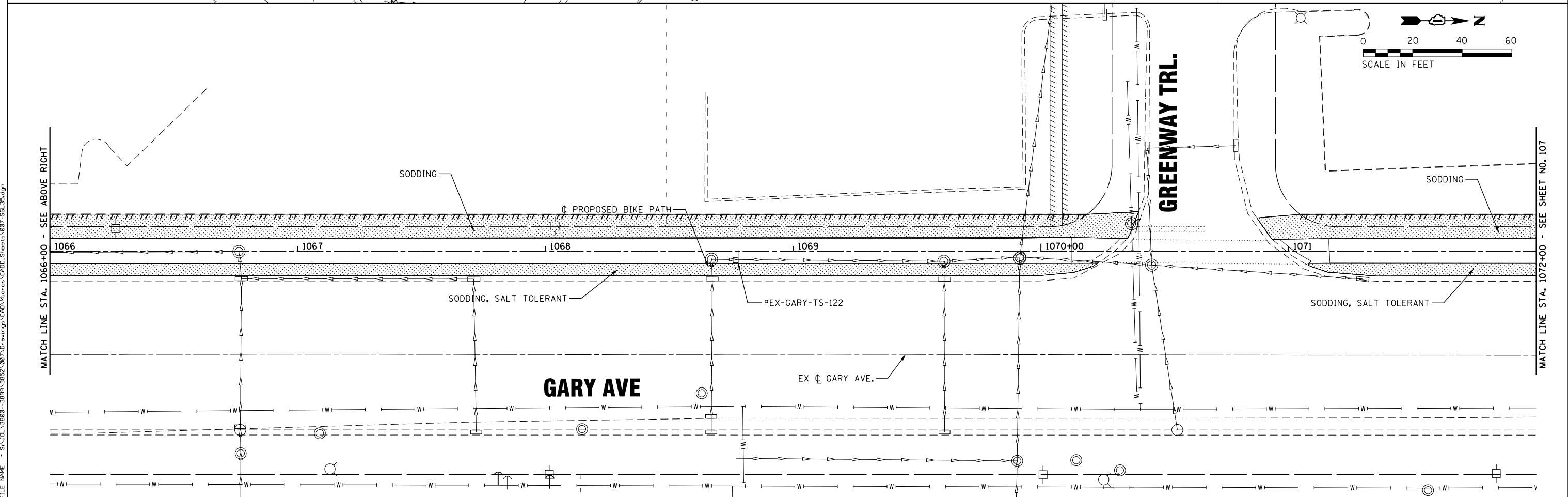
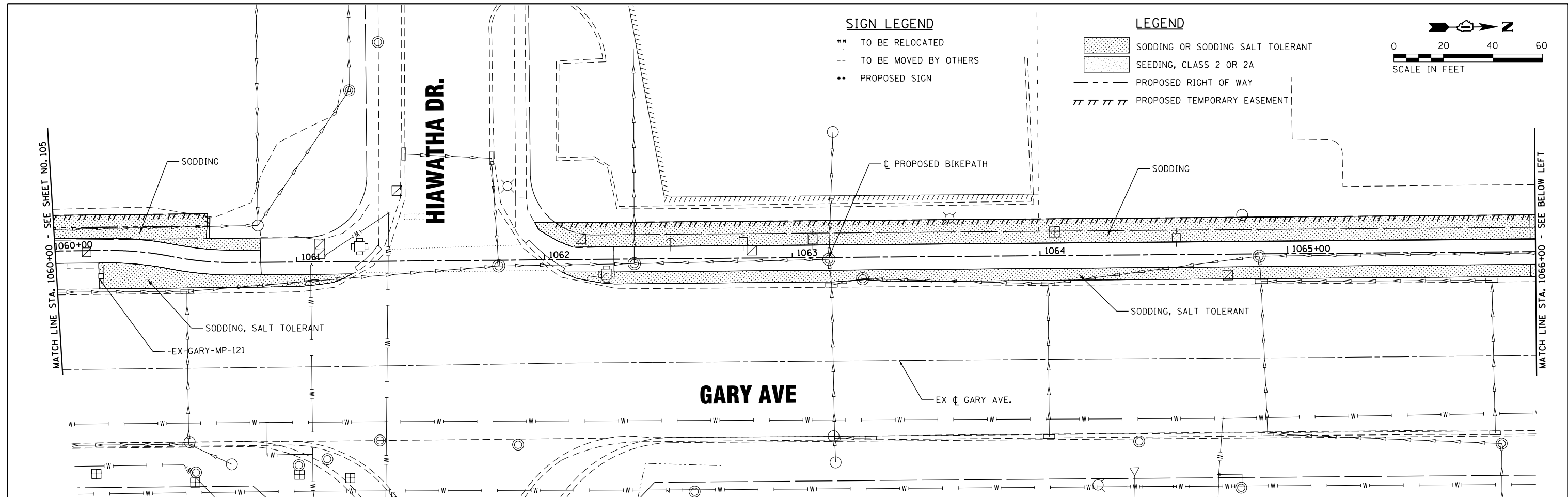
USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 1048+00 TO STA. 1060+00

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 105
CONTRACT NO. 61F74				ILLINOIS FED. AID PROJECT



FILE NAME = S:\JUL\38800-38991\3892\007\Dr-armpg\CADD\Micros\CADD_Sheets\007-SSL_35.dgn

SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 48.0000' / in.
PLOT DATE = 11/7/2019

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 1060+00 TO STA. 1072+00





F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	106
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				

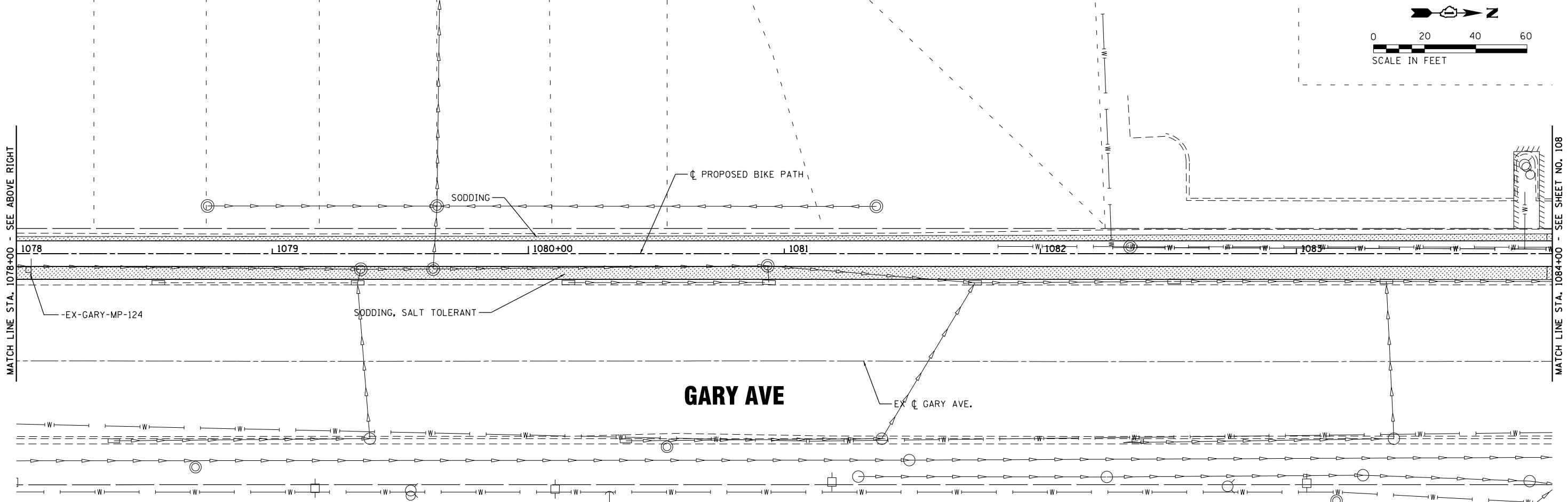
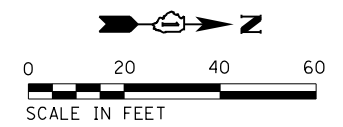
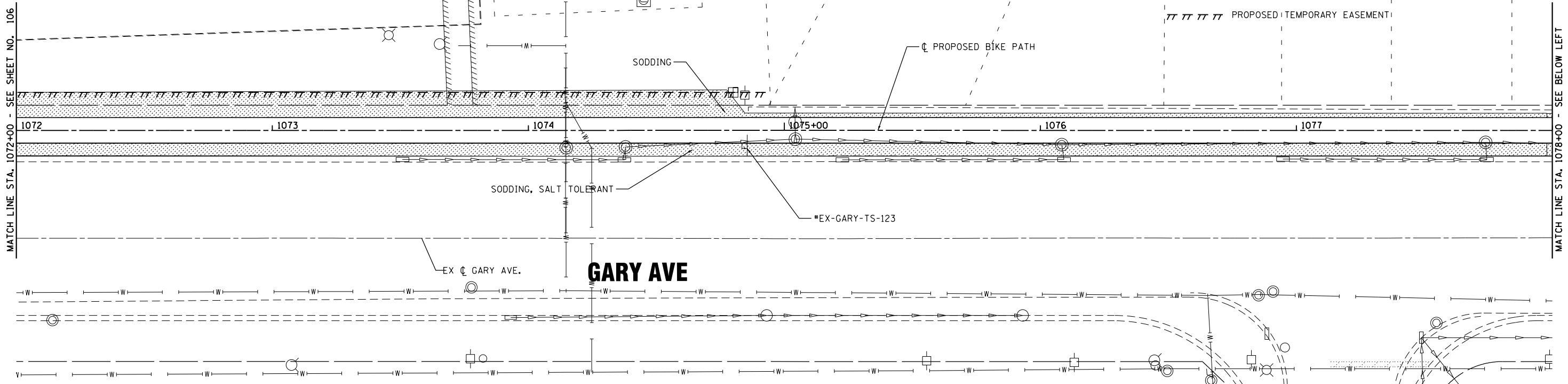
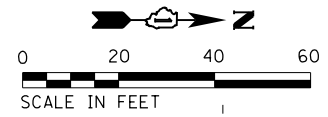
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SIGN LEGEND

- TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
-  PROPOSED RIGHT OF WAY
-  PROPOSED TEMPORARY EASEMENT



USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**





SCALE: 1"=20' SHEET OF SHEETS STA. 1072+00 TO STA.

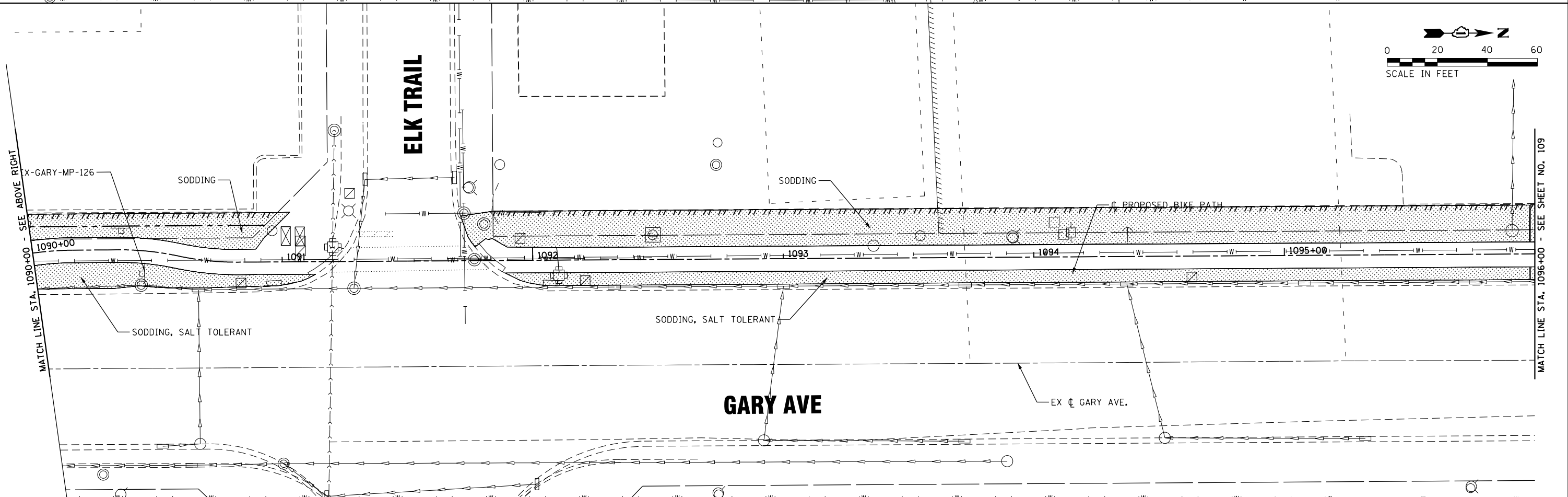
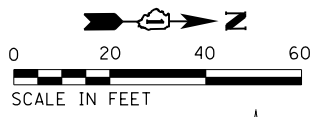
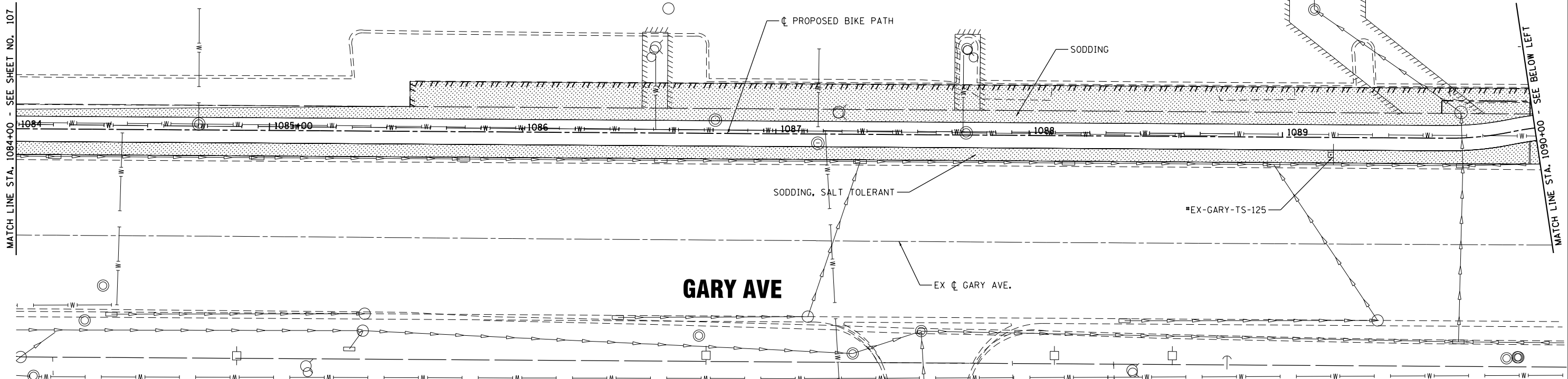
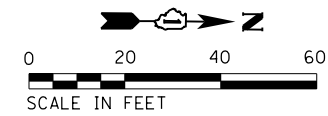
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	107
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

SIGN LEGEND

- ## TO BE RELOCATED
- TO BE MOVED BY OTHERS
- .-.- PROPOSED SIGN

LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
-  PROPOSED RIGHT OF WAY
-  PROPOSED TEMPORARY EASEMENT



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USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

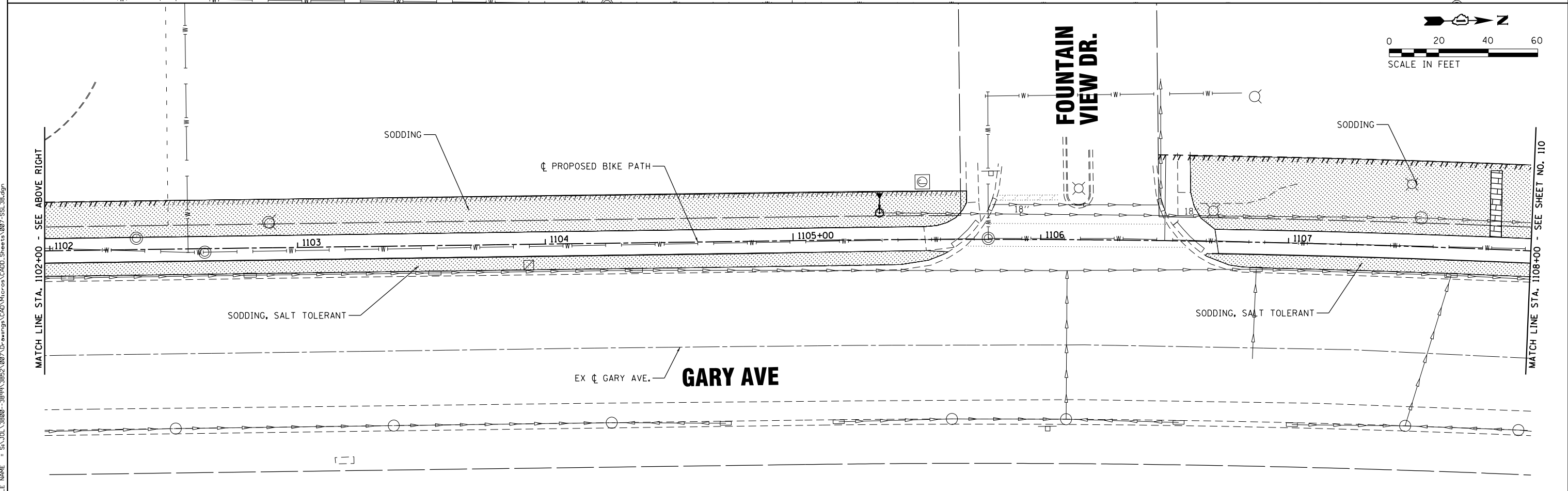
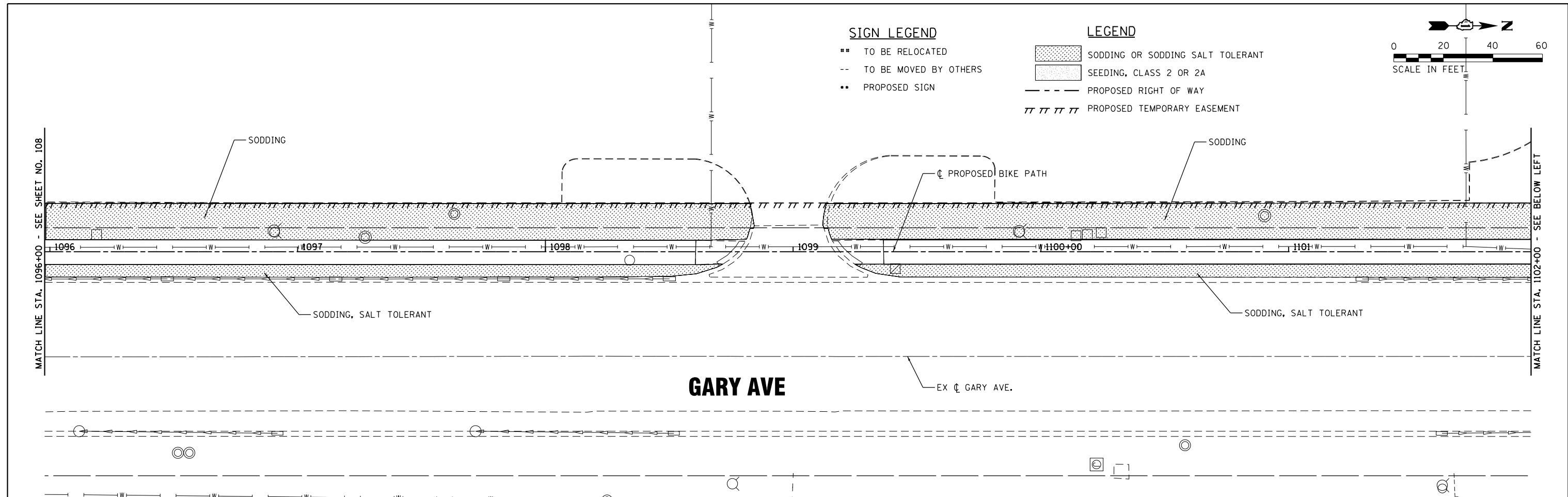
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
 LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 1084+00 TO STA. 1096+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	108
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\A\101\38800-38941\3892\007\Dr-armpg\CAD\Micros\CAD00_Sheets\007-SSL_38.dgn



SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**





SCALE: 1"=20' SHEET OF SHEETS STA. 1096+00 TO STA. 1108+00

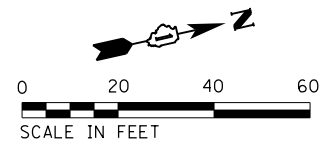
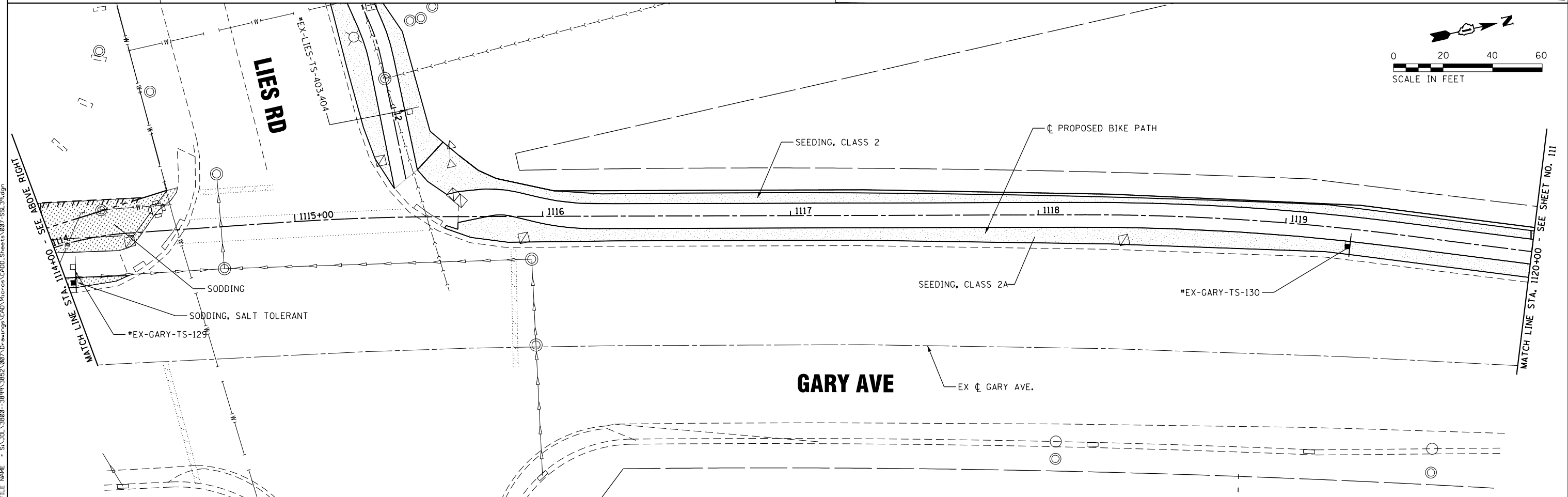
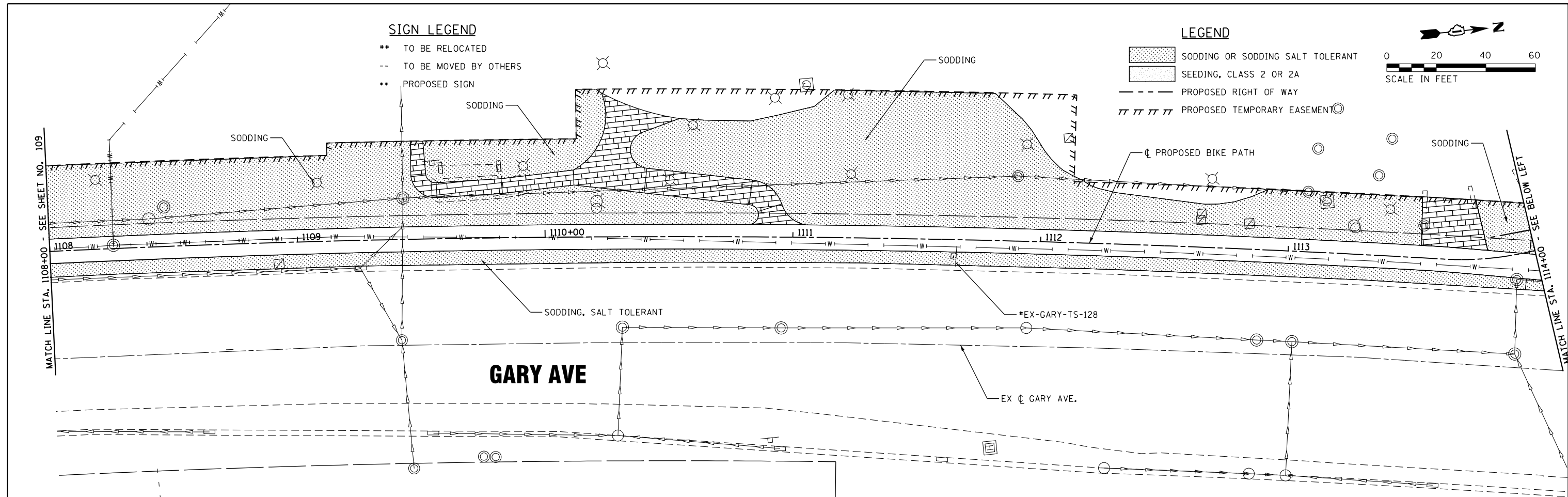
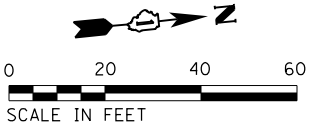
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	109
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

SIGN LEGEND

- ** TO BE RELOCATED
- TO BE MOVED BY OTHERS
- ** PROPOSED SIGN

LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
-  PROPOSED RIGHT OF WAY
-  PROPOSED TEMPORARY EASEMENT



FILE NAME = SA\JUL\38800-38931\38932\007\Dr\armpg\CAD\Micros\CADD_Sheets\007-SSL_38.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
 LANDSCAPING PLAN**



SCALE: 1"=20' SHEET OF SHEETS STA. 1108+00 TO STA. 1120+00

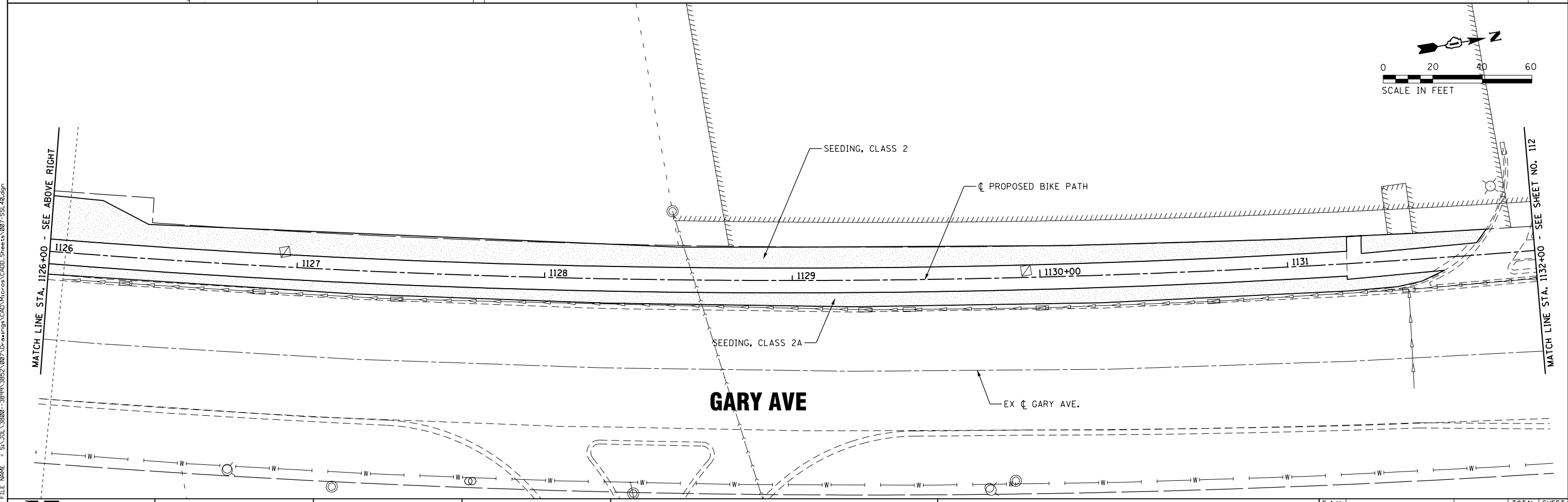
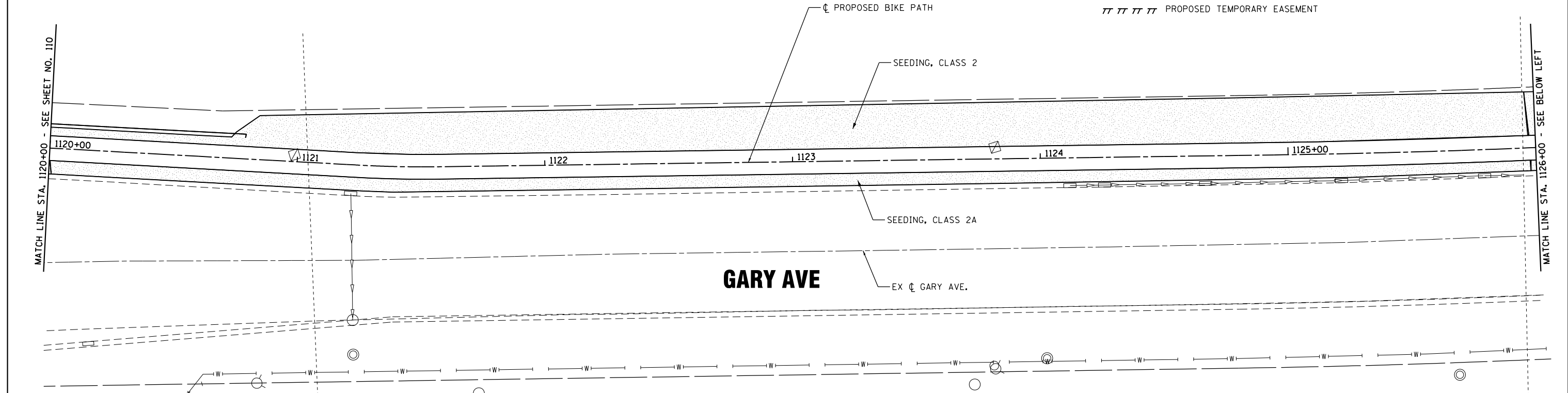
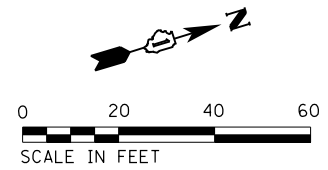
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	110
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

SIGN LEGEND

- TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
- - - - PROPOSED RIGHT OF WAY
- || || || || PROPOSED TEMPORARY EASEMENT



FILE NAME = S:\JLI_38800-38931\3882-007\Drawings\CADD\Micros\CADD_Sheets\007-SSL_40.dgn

SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

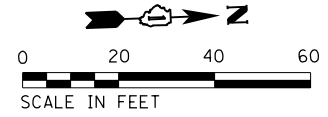
USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 1120+00 TO STA. 1132+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	111
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

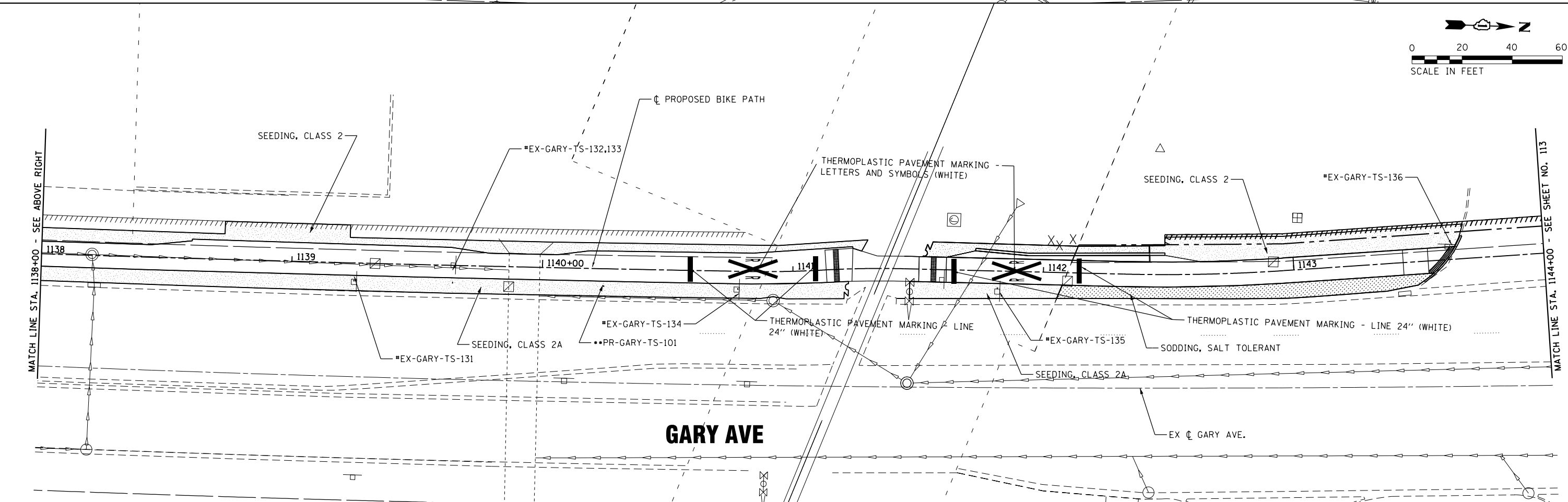
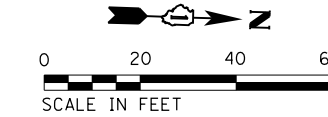
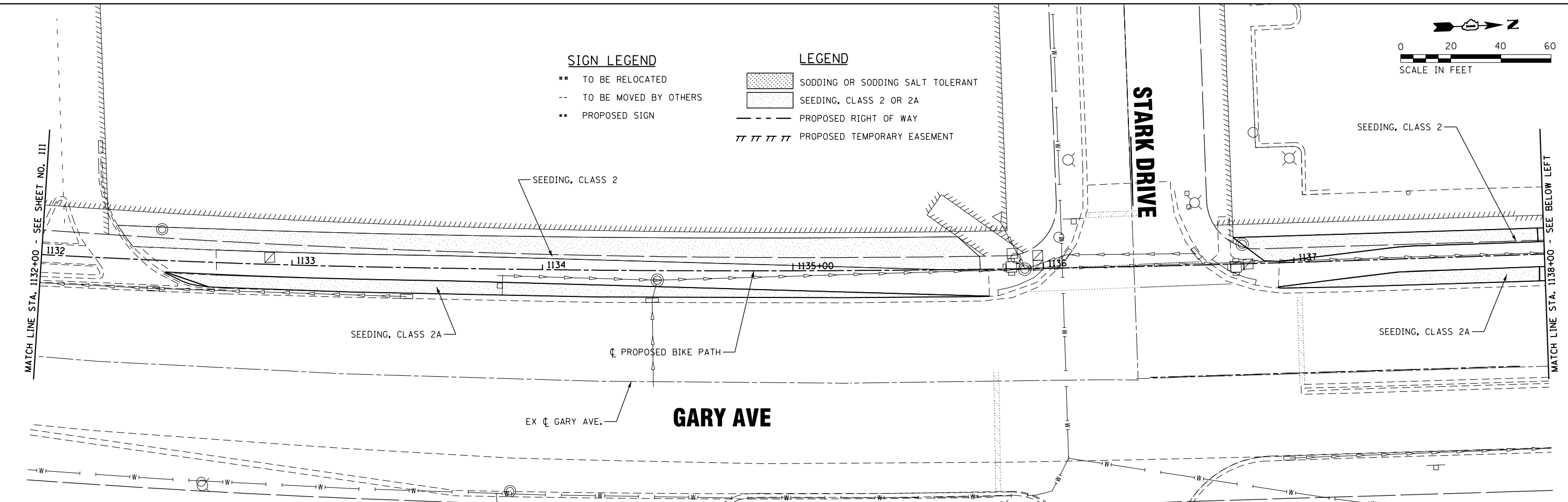


SIGN LEGEND

- ** TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

- SODDING OR SODDING SALT TOLERANT
- SEEDING, CLASS 2 OR 2A
- PROPOSED RIGHT OF WAY
- PROPOSED TEMPORARY EASEMENT



FILE NAME = SA\101\38800-38991\3882\007\Drwg\p\CA00\Micros\CA00_Sheets\007-SSL.dwg



USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 11/7/2019

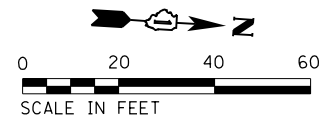
DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
 LANDSCAPING PLAN**
 SCALE: 1"=20' SHEET OF SHEETS STA. 1132+00 TO STA. 1144+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	112
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

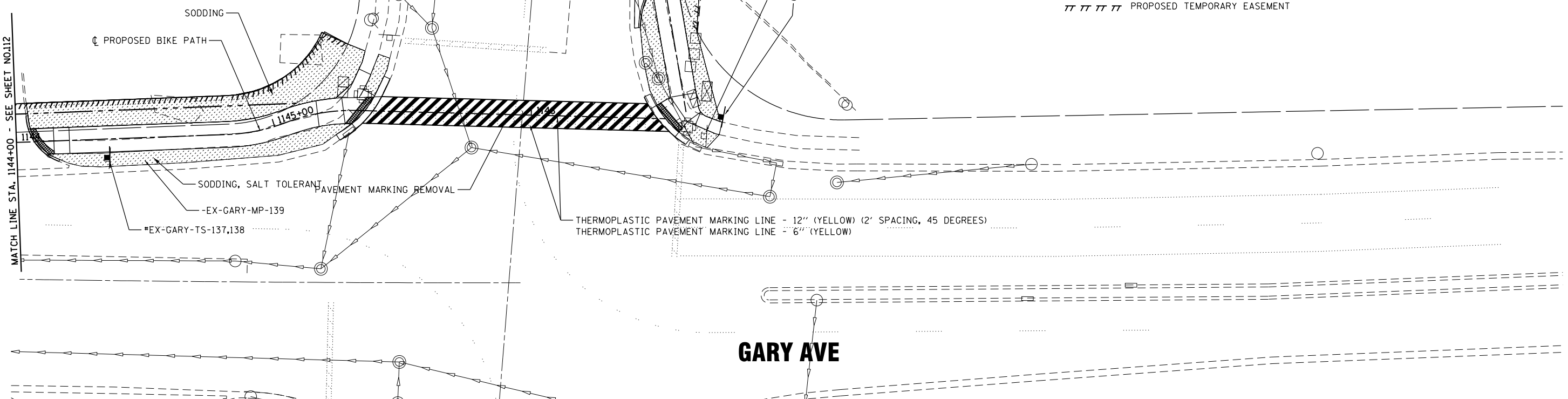


SIGN LEGEND

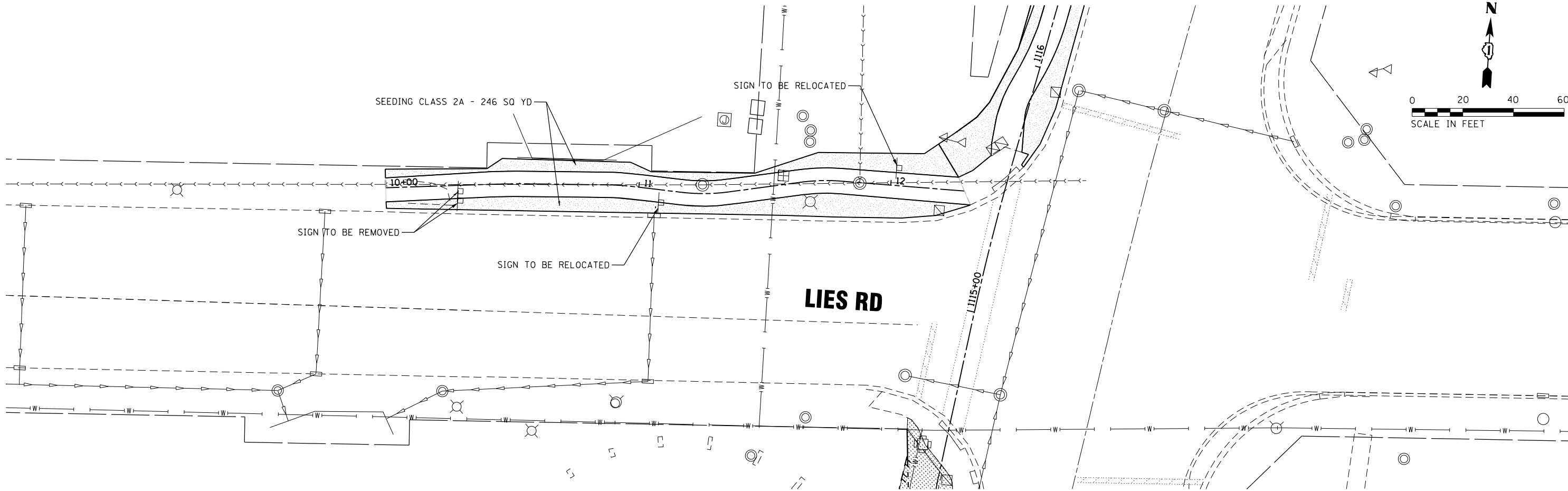
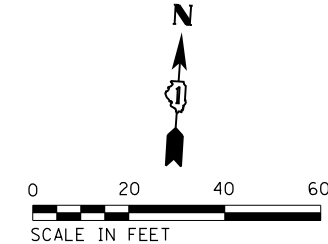
- TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

- SODDING OR SODDING SALT TOLERANT
- SEEDING, CLASS 2 OR 2A
- PROPOSED RIGHT OF WAY
- TTTTT PROPOSED TEMPORARY EASEMENT



GARY AVE



LIES RD

FILE NAME = S:\101\38800-38991\3892\007\Dr-armpg\CAD\Micros\CADD_Sheets\007-SSL42.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 48.0000' / in.
PLOT DATE = 11/7/2019

DESIGNED -	REVISOR -
DRAWN -	REVISIONS -
CHECKED -	REVISIONS -
DATE -	REVISIONS -

DESIGNED -	REVISOR -
DRAWN -	REVISIONS -
CHECKED -	REVISIONS -
DATE -	REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
 LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 1144+00 TO STA.





F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	113
CONTRACT NO. 61F74				

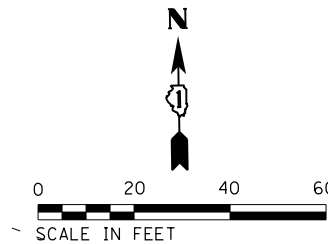
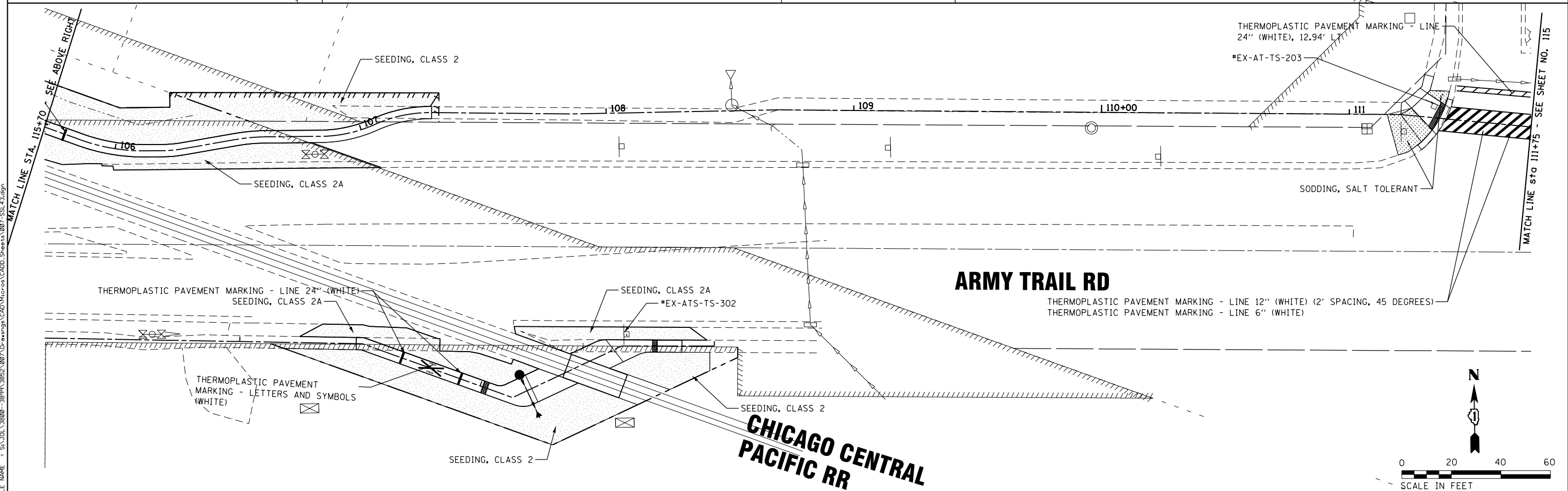
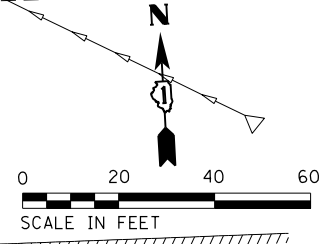
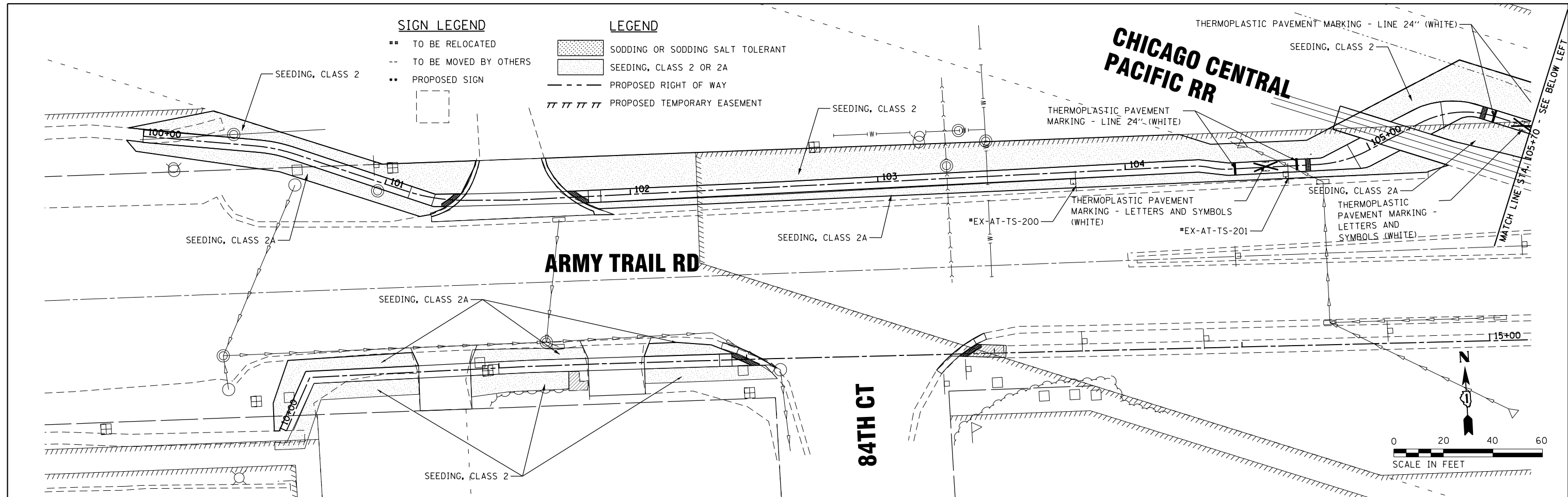
ILLINOIS FED. AID PROJECT

SIGN LEGEND

- ** TO BE RELOCATED
- TO BE MOVED BY OTHERS
- PROPOSED SIGN

LEGEND

-  SODDING OR SODDING SALT TOLERANT
-  SEEDING, CLASS 2 OR 2A
-  PROPOSED RIGHT OF WAY
-  PROPOSED TEMPORARY EASEMENT



FILE NAME = SA\JUL\38800-38991\3892\007\Dr-armpg\CAD\Micros\CADD_Sheets\007-SSI_43.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 11/7/2019

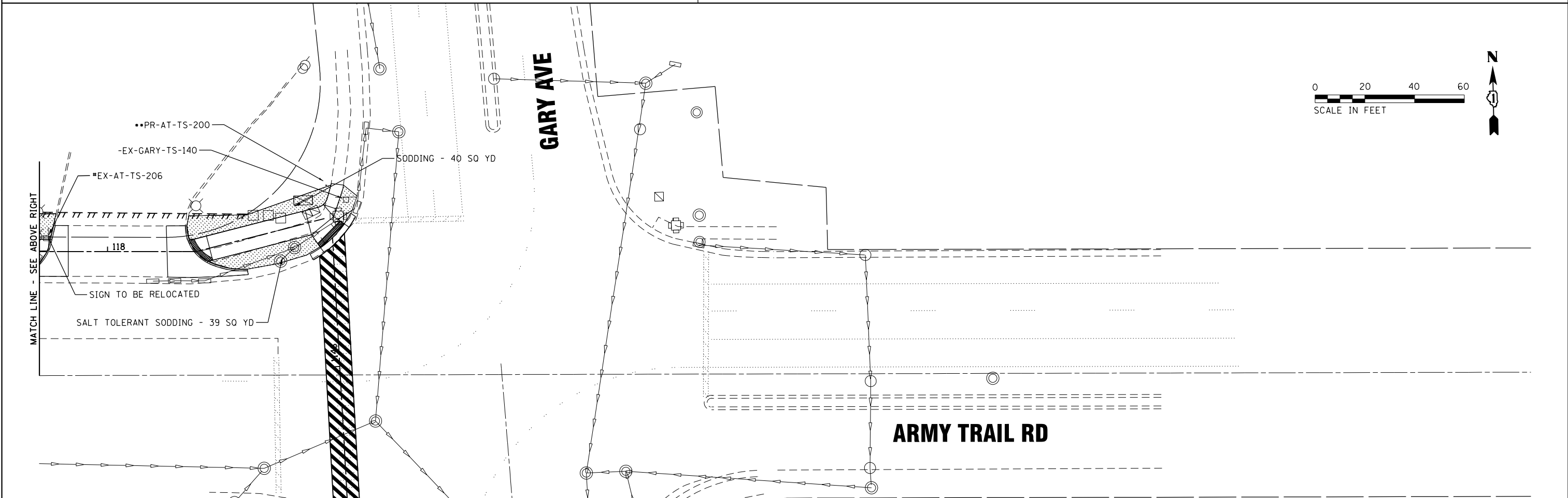
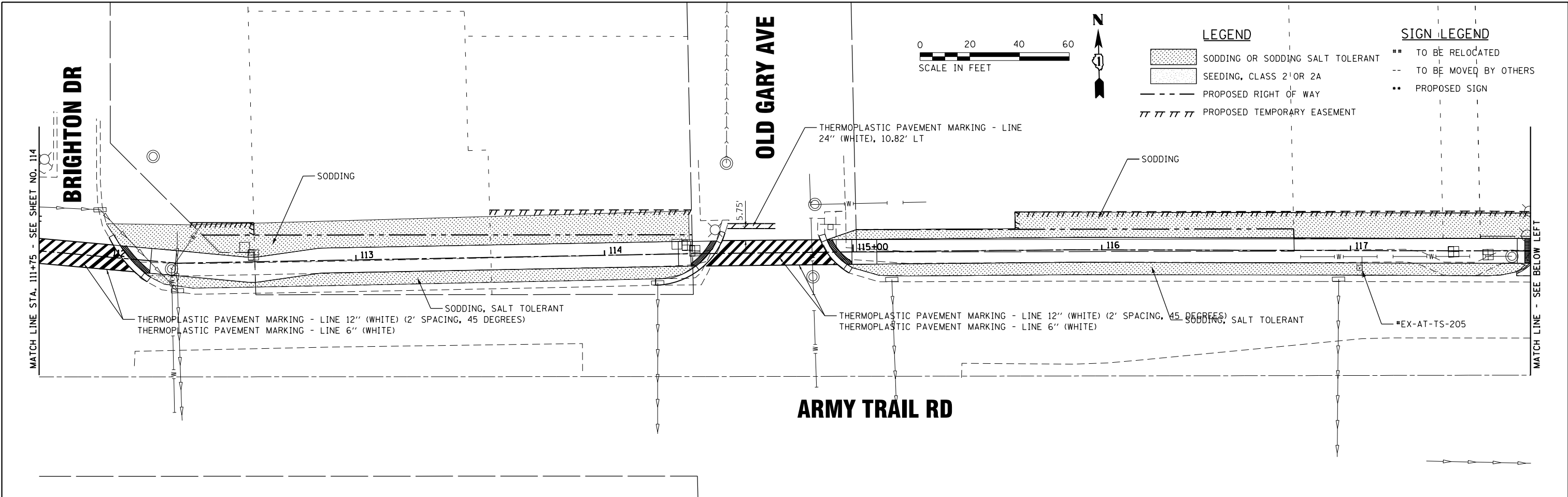
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRIPING, SIGNAGE AND
 LANDSCAPING PLAN**

SCALE: 1"=20' SHEET OF SHEETS STA. 100+00 TO STA. 111+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	114
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 40.0000' / in.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

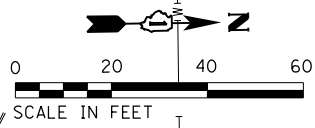
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRIPING, SIGNAGE AND
LANDSCAPING PLAN

SCALE: 1"=20' SHEET OF SHEETS STA. 111+75 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	115
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				

FILE NAME = SA\101\38800-38991\3892\007\Dr-artrpgs\CADD\Micros\CADD_Sheets\007-SSL4.dgn



IDOT DISTRICT 1 STANDARD DETAILS

BE-702 MISCELLANEOUS DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL)

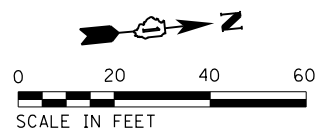
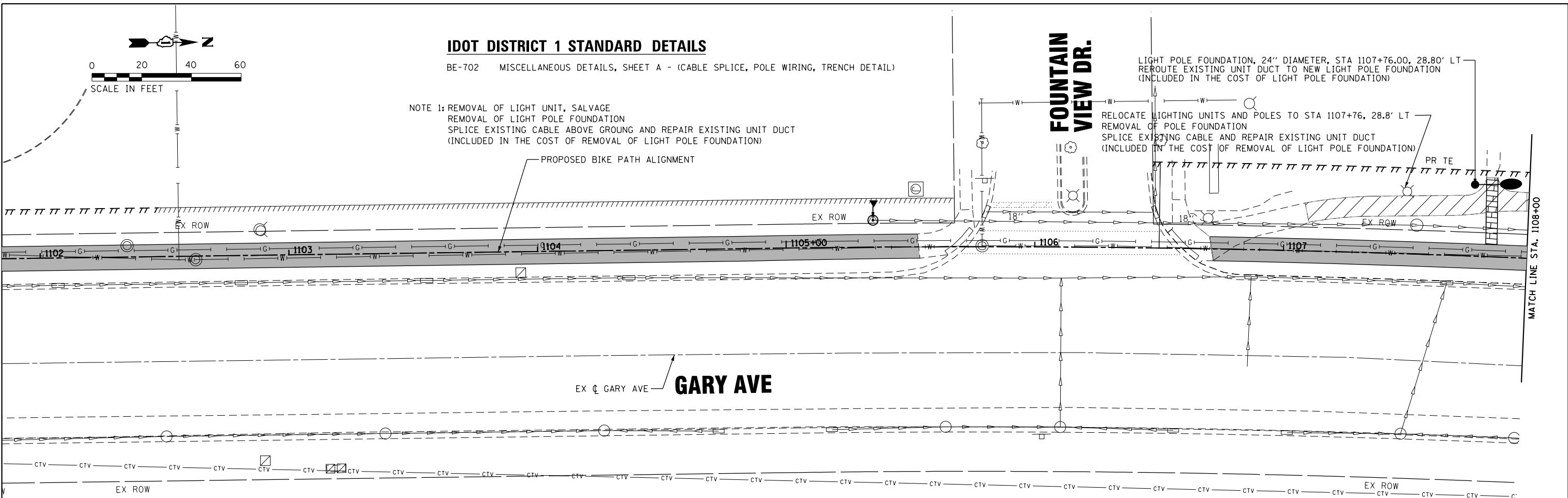
NOTE 1: REMOVAL OF LIGHT UNIT, SALVAGE
 REMOVAL OF LIGHT POLE FOUNDATION
 SPLICE EXISTING CABLE ABOVE GROUND AND REPAIR EXISTING UNIT DUCT
 (INCLUDED IN THE COST OF REMOVAL OF LIGHT POLE FOUNDATION)

PROPOSED BIKE PATH ALIGNMENT

FOUNTAIN VIEW DR.

LIGHT POLE FOUNDATION, 24" DIAMETER, STA 1107+76.00, 28.80' LT
 REROUTE EXISTING UNIT DUCT TO NEW LIGHT POLE FOUNDATION
 (INCLUDED IN THE COST OF LIGHT POLE FOUNDATION)

RELOCATE LIGHTING UNITS AND POLES TO STA 1107+76, 28.8' LT
 REMOVAL OF POLE FOUNDATION
 SPLICE EXISTING CABLE AND REPAIR EXISTING UNIT DUCT
 (INCLUDED IN THE COST OF REMOVAL OF LIGHT POLE FOUNDATION)

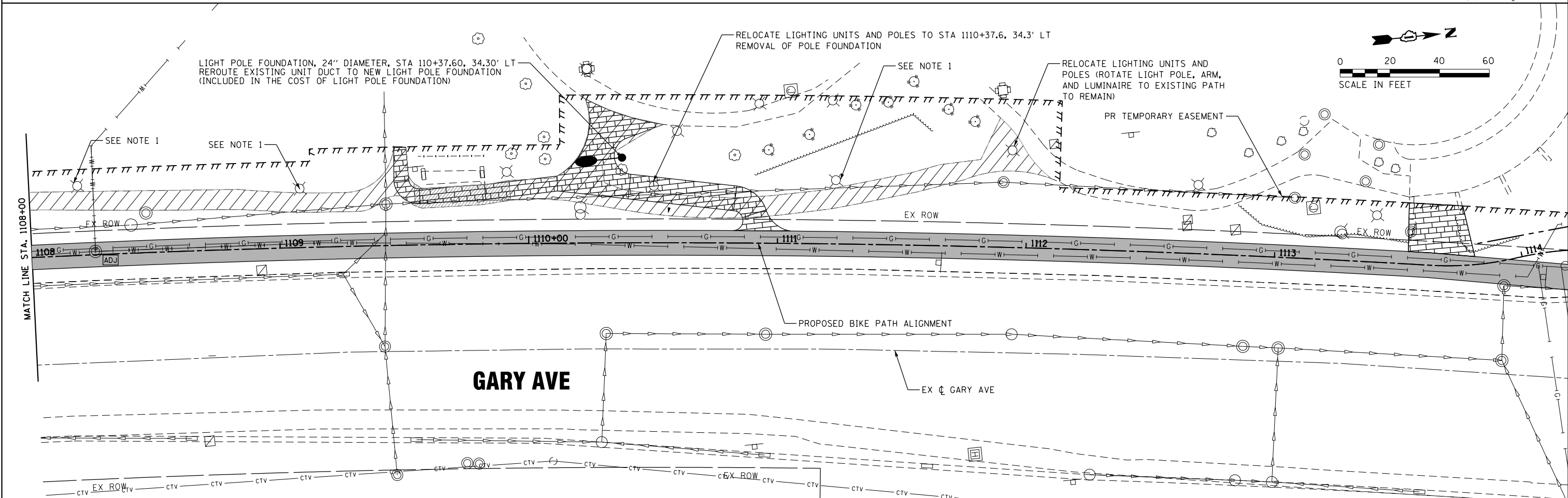


LIGHT POLE FOUNDATION, 24" DIAMETER, STA 110+37.60, 34.30' LT
 REROUTE EXISTING UNIT DUCT TO NEW LIGHT POLE FOUNDATION
 (INCLUDED IN THE COST OF LIGHT POLE FOUNDATION)

RELOCATE LIGHTING UNITS AND POLES TO STA 1110+37.6, 34.3' LT
 REMOVAL OF POLE FOUNDATION

RELOCATE LIGHTING UNITS AND POLES (ROTATE LIGHT POLE, ARM, AND LUMINAIRE TO EXISTING PATH TO REMAIN)

PR TEMPORARY EASEMENT



FILE NAME = SA\101\38800-38951\38952\007\Dr-armpg\CADD\Micros\CADD_Sheets\007-Lighting\ldgn



USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 PROPOSED LIGHTING PLAN**

SCALE: 20H-2V SHEET OF SHEETS STA. 1102+00 TO STA. 1114+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	116
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

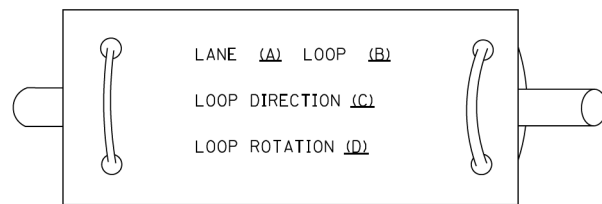
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE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

FILE NAME = SA\JUL_38800-38931\3882\007-D-arrmpg\CAD\Micros\CAD00_Sheets\007-15-DETS.dgn

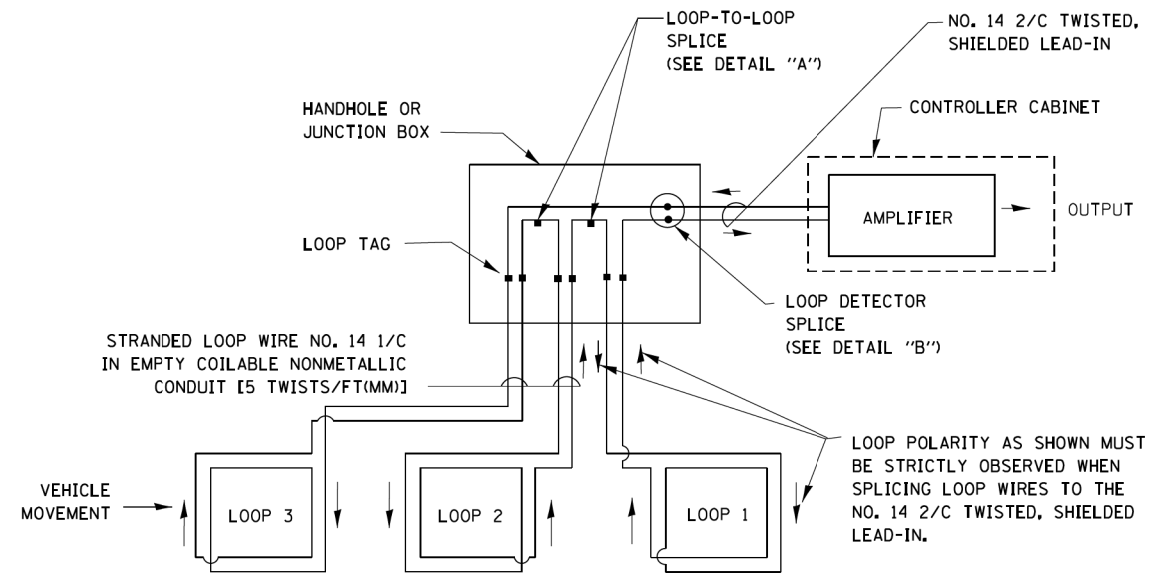
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

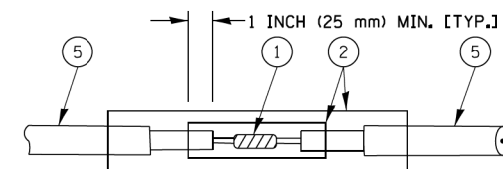


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

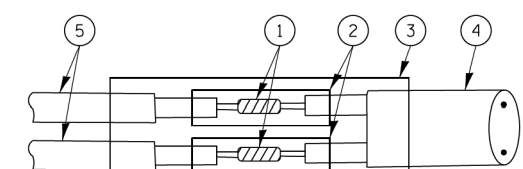


DETECTOR LOOP WIRING SCHEMATIC

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

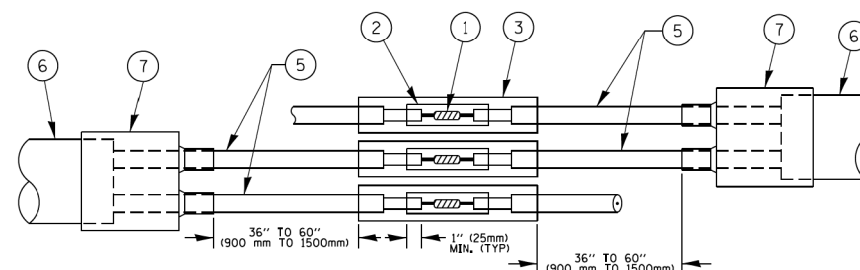


DETAIL "A"
LOOP-TO-LOOP SPLICE

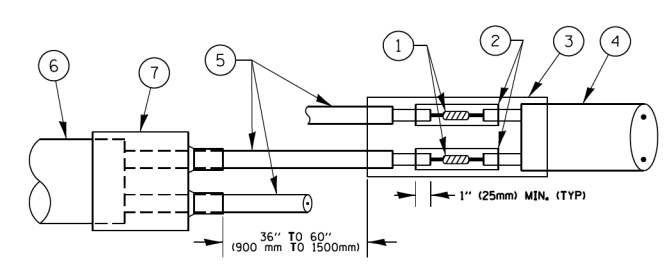


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

FILE NAME = SA\JUL_38800-38931\3892-007.Dr-armpg\CAD\Micros\007-15-DET15.dgn



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = StevenB MODEL NAME = Default PLOT SCALE = 40.0000' / in. PLOT DATE = 11/7/2019	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
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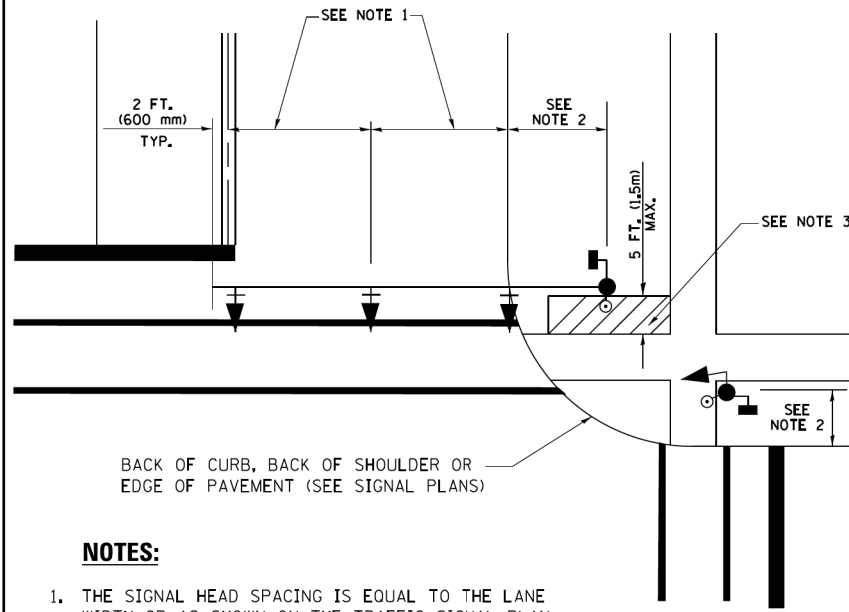
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 2561	SECTION 11-00237-11-BT TS-05	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 118
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F74	

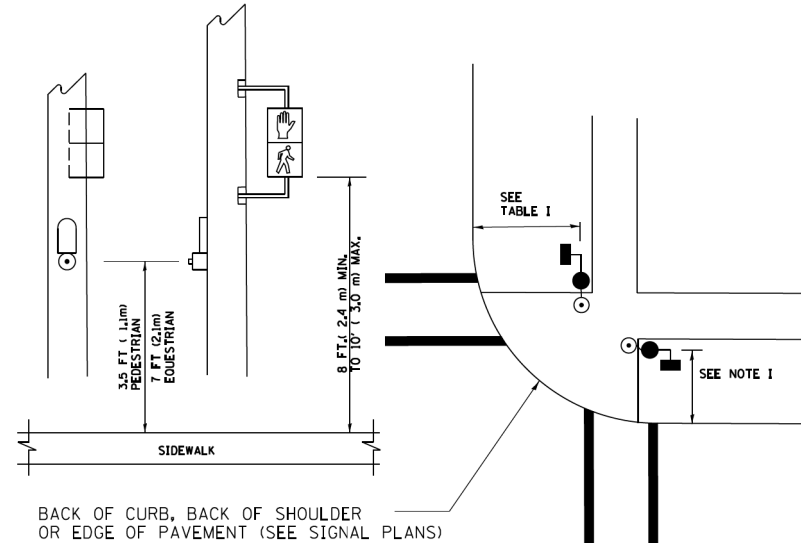
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

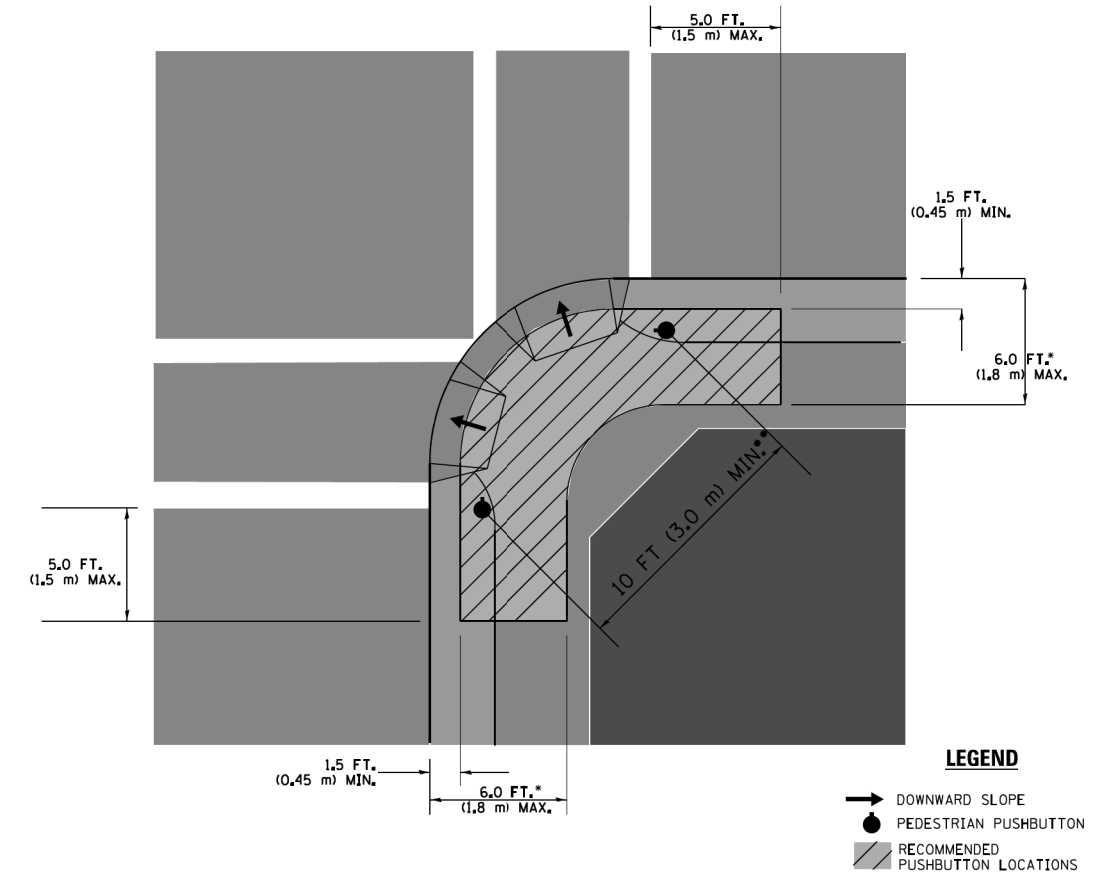
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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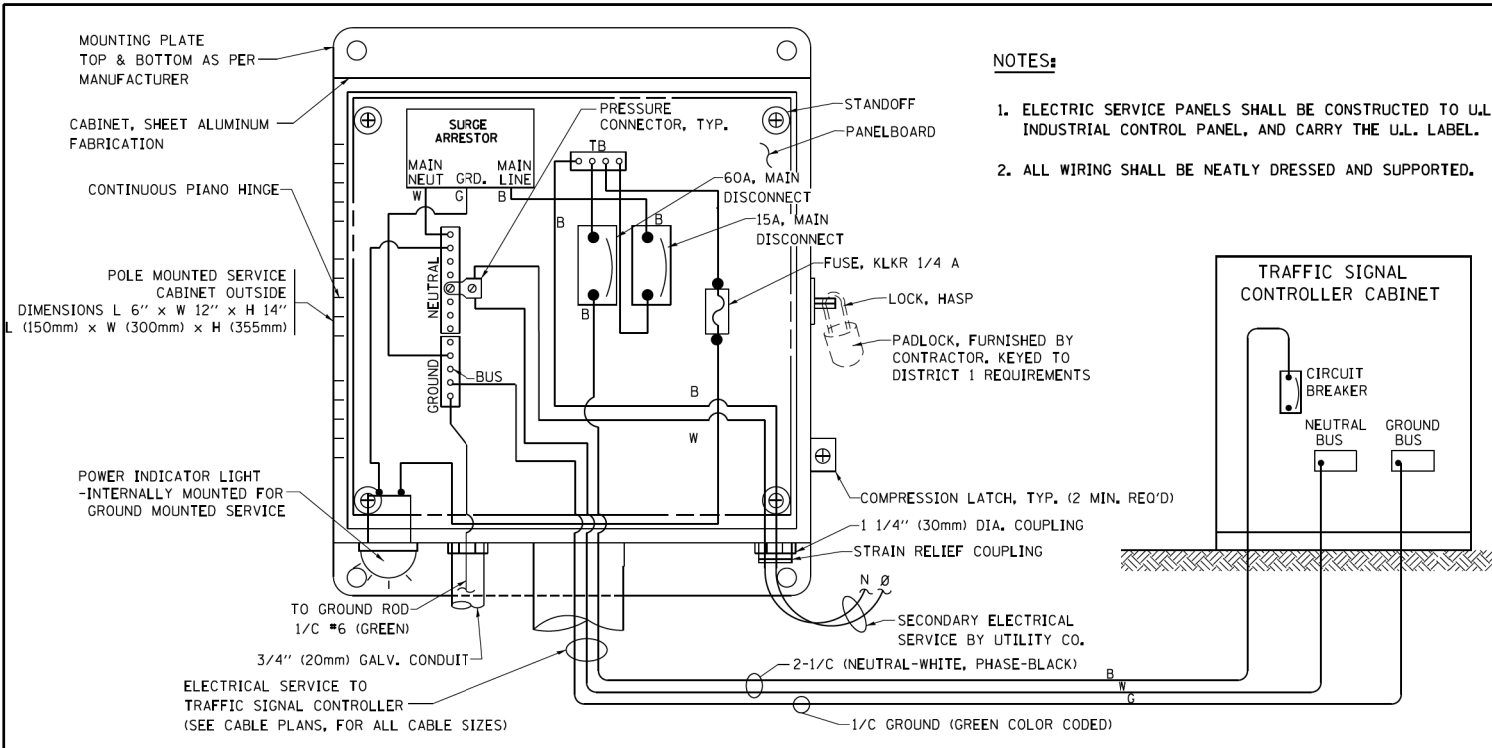
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = StevenB MODEL NAME = Default PLOT SCALE = 40.0000 ' / in. PLOT DATE = 11/7/2019	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

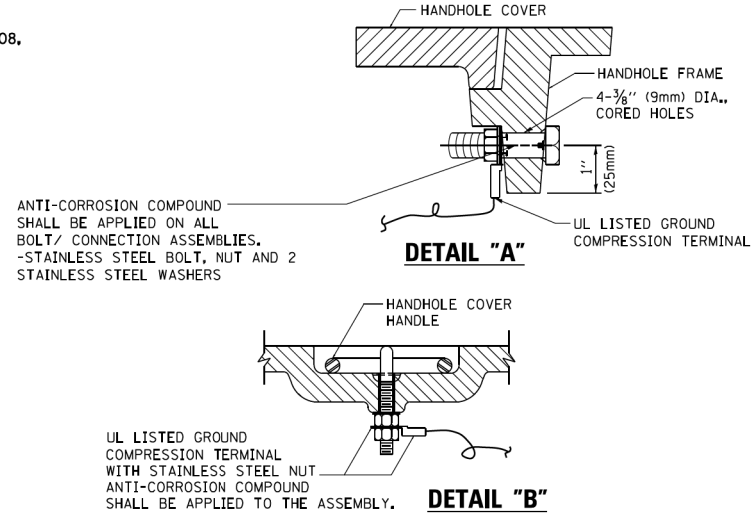
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

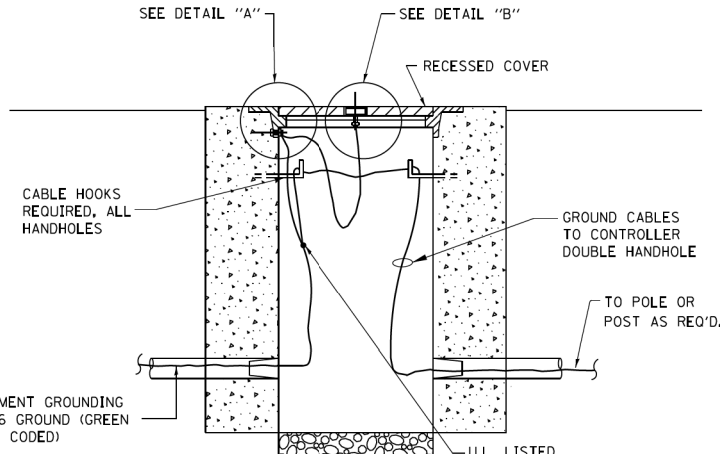
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 61F74		
ILLINOIS FED. AID PROJECT				



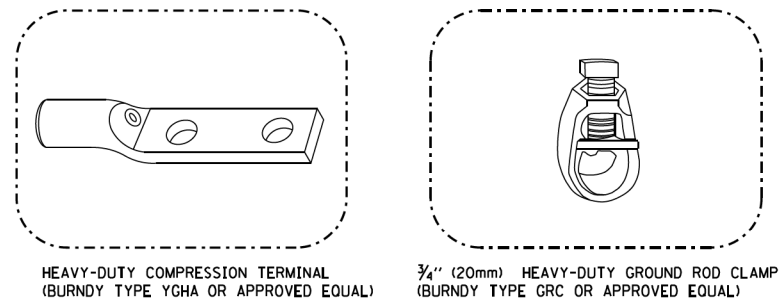
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



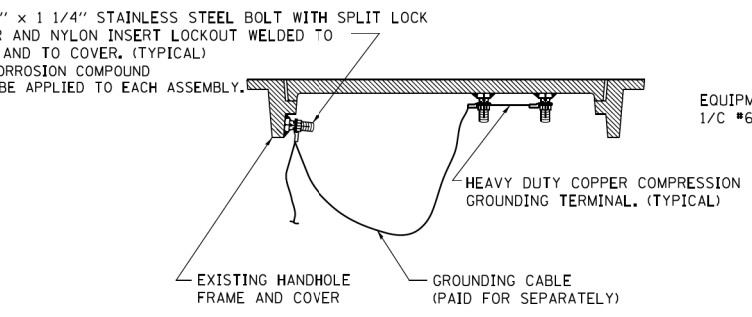
- NOTES:**
- GROUNDING SYSTEM**
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED 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.



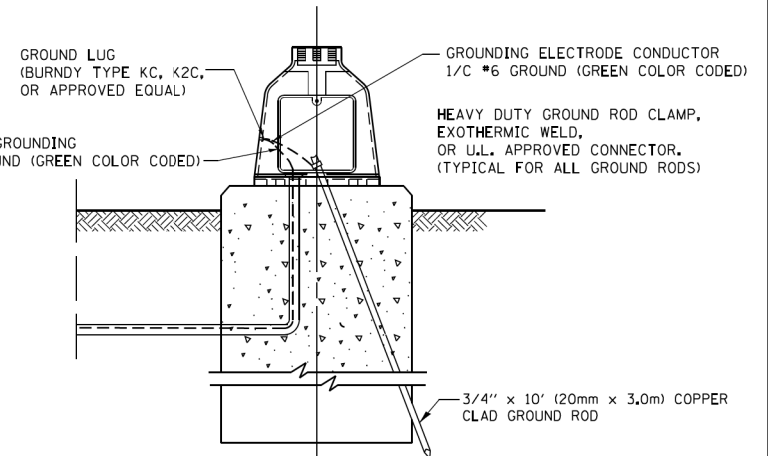
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



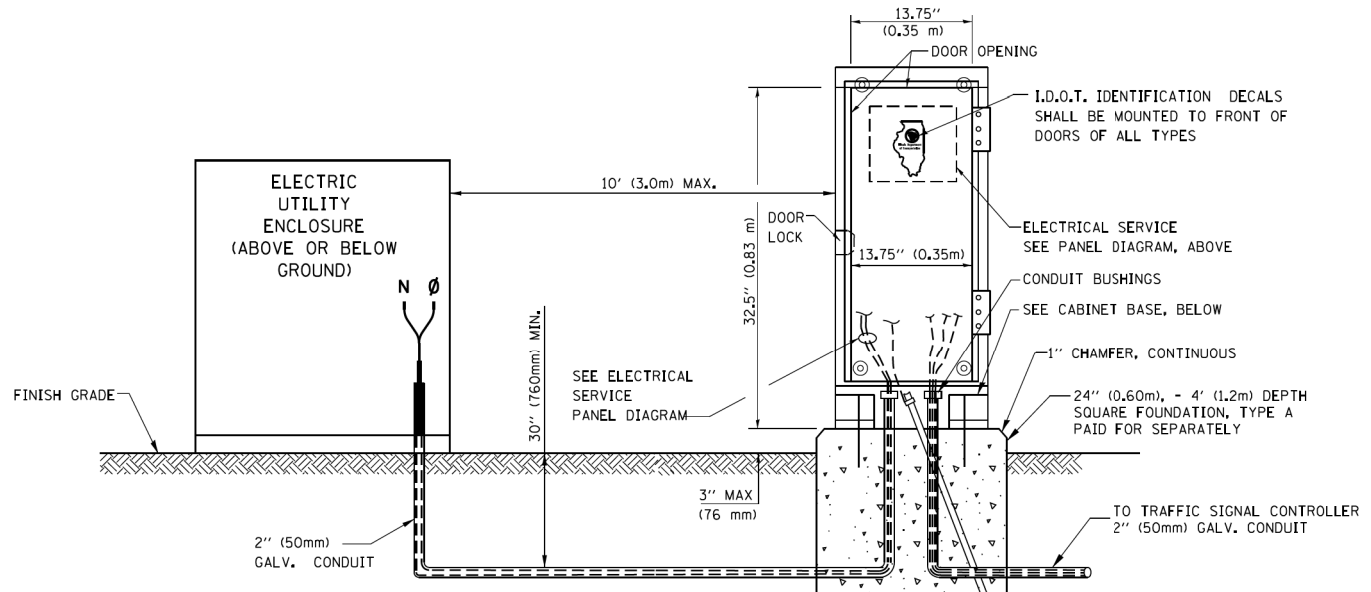
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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

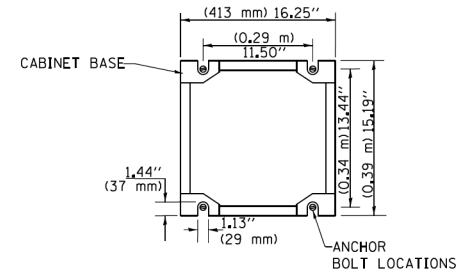


MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)



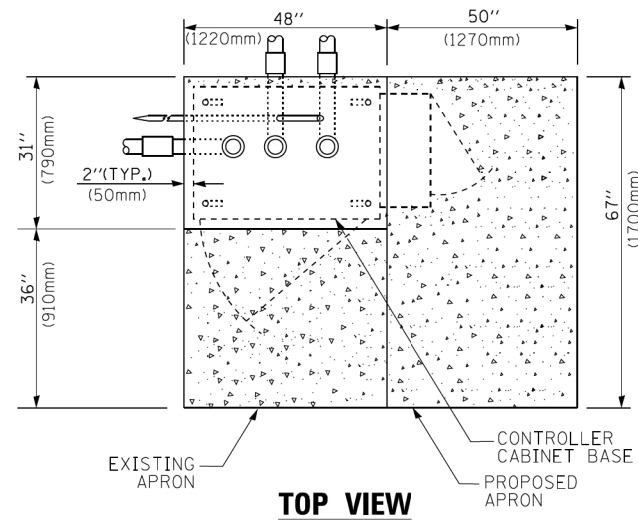
SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)

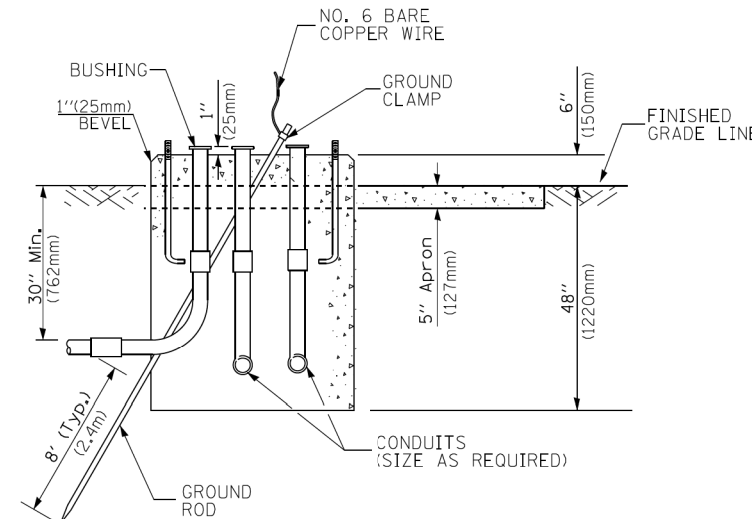


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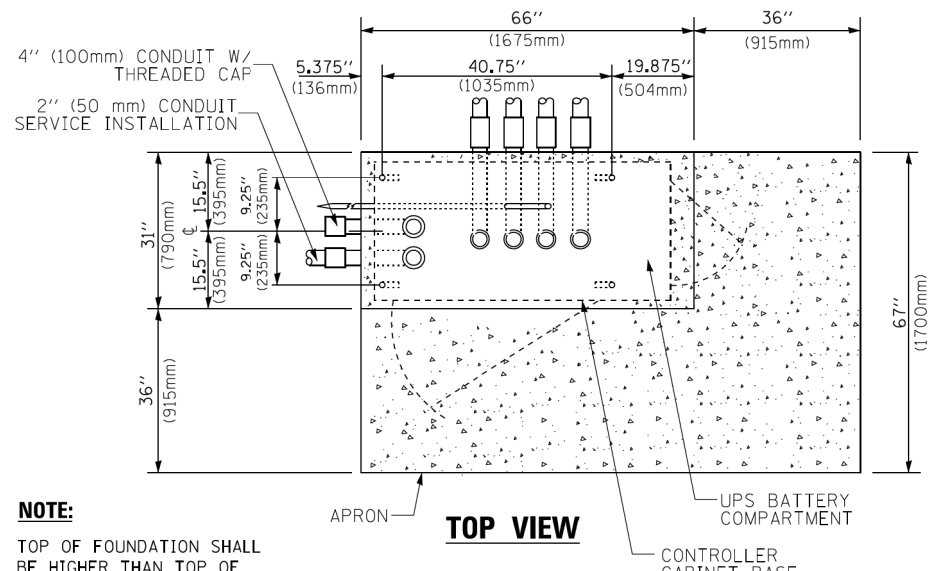
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = StevenB MODEL NAME = Default PLOT SCALE = 40.0000' / in. PLOT DATE = 11/7/2019	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	SCALE:	SHEET 4 OF 7 SHEETS STA. TO STA.	F.A.U. RTE. 2561 SECTION 11-00237-11-BT COUNTY TS-05 TOTAL SHEETS 193 SHEET NO. 120 CONTRACT NO. 61F74	ILLINOIS FED. AID PROJECT
	ILLINOIS FED. AID PROJECT								



TOP VIEW

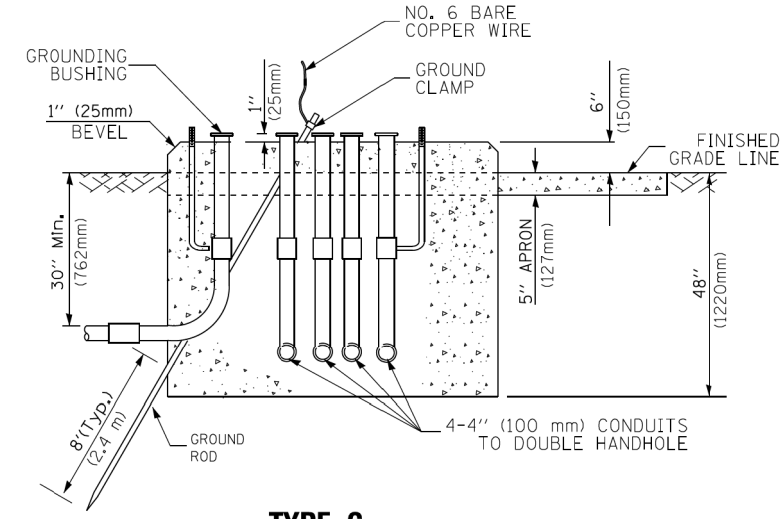


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

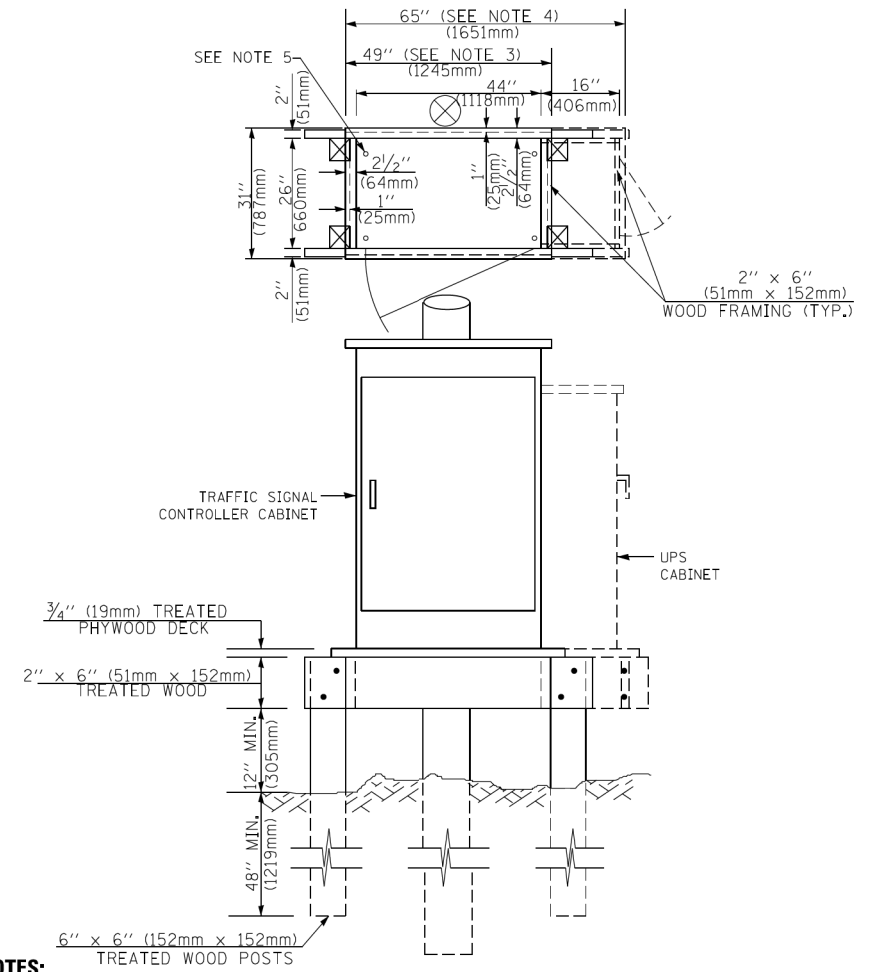


TOP VIEW

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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

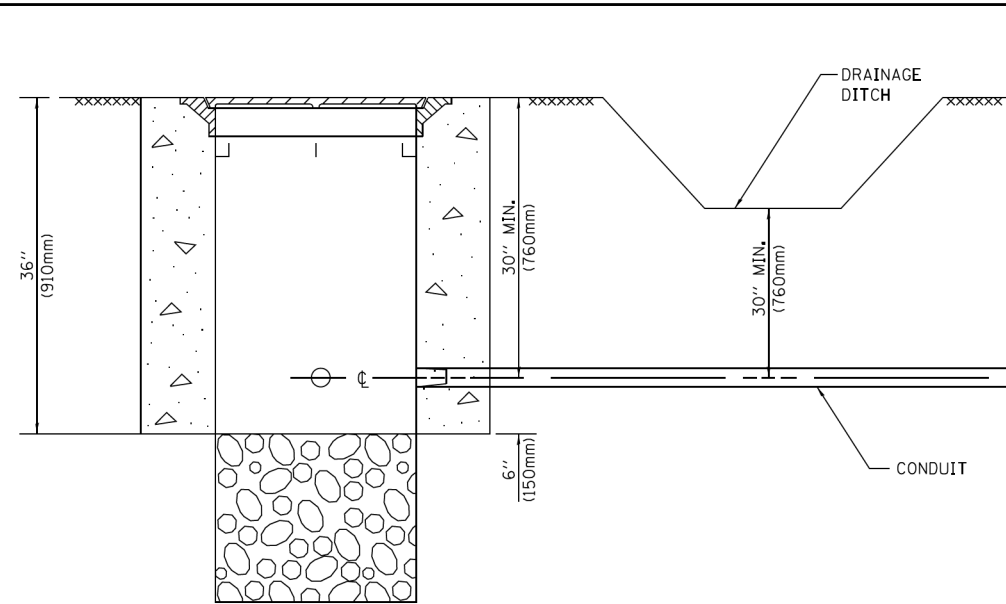
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MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

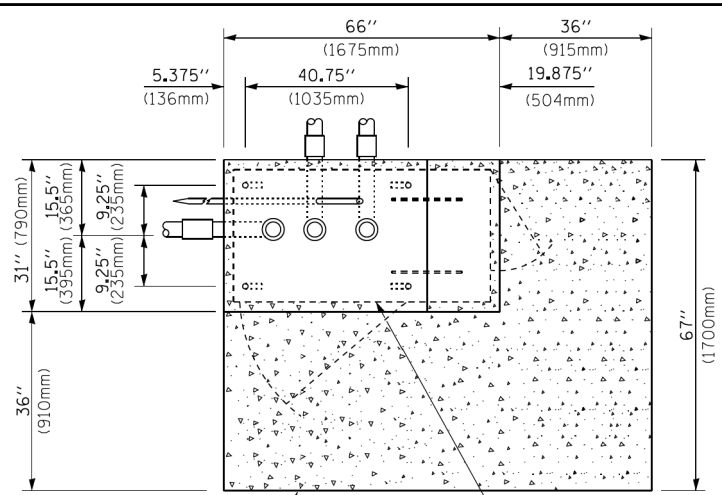
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2561	11-00237-11-BT	DUPAGE	193	121
TS-05			CONTRACT NO. 61F74	
ILLINOIS FED. AID PROJECT				



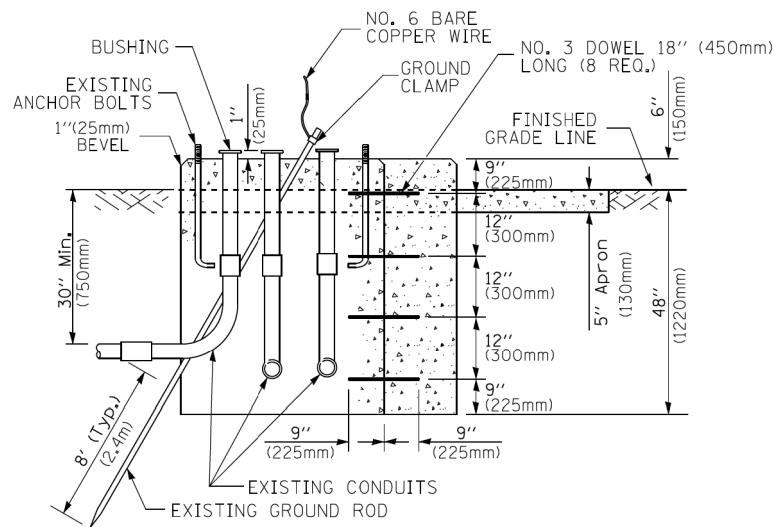
NOTES:

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.

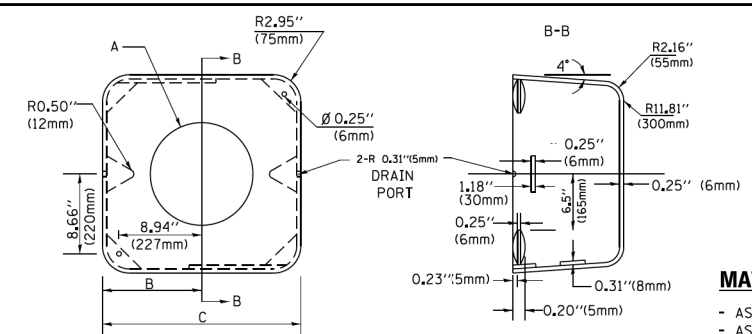
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



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



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

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

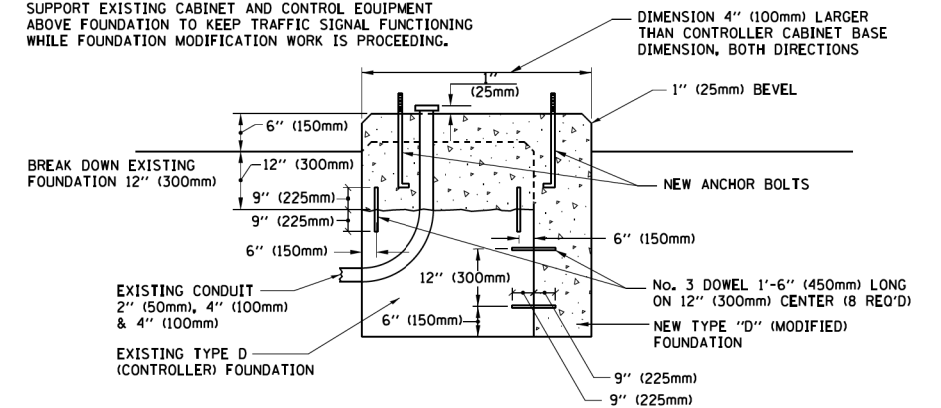
SHROUD

NOTES:

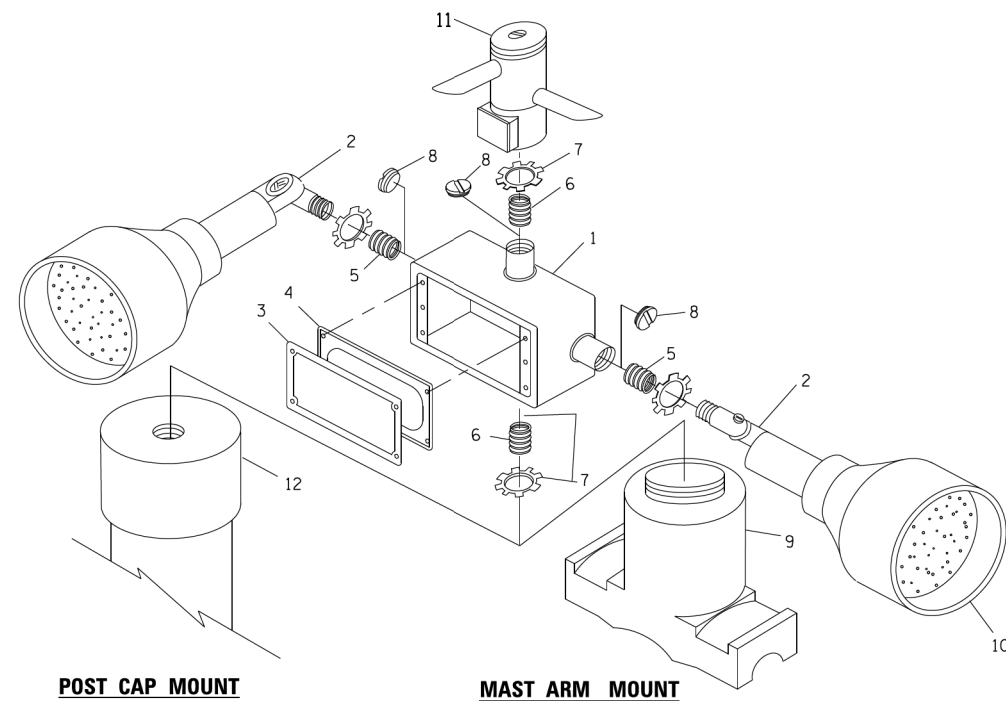
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



POST CAP MOUNT

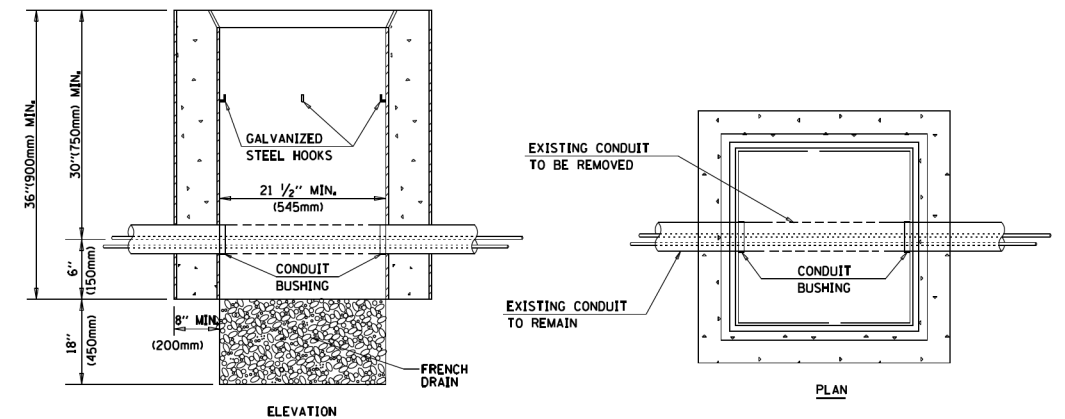
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

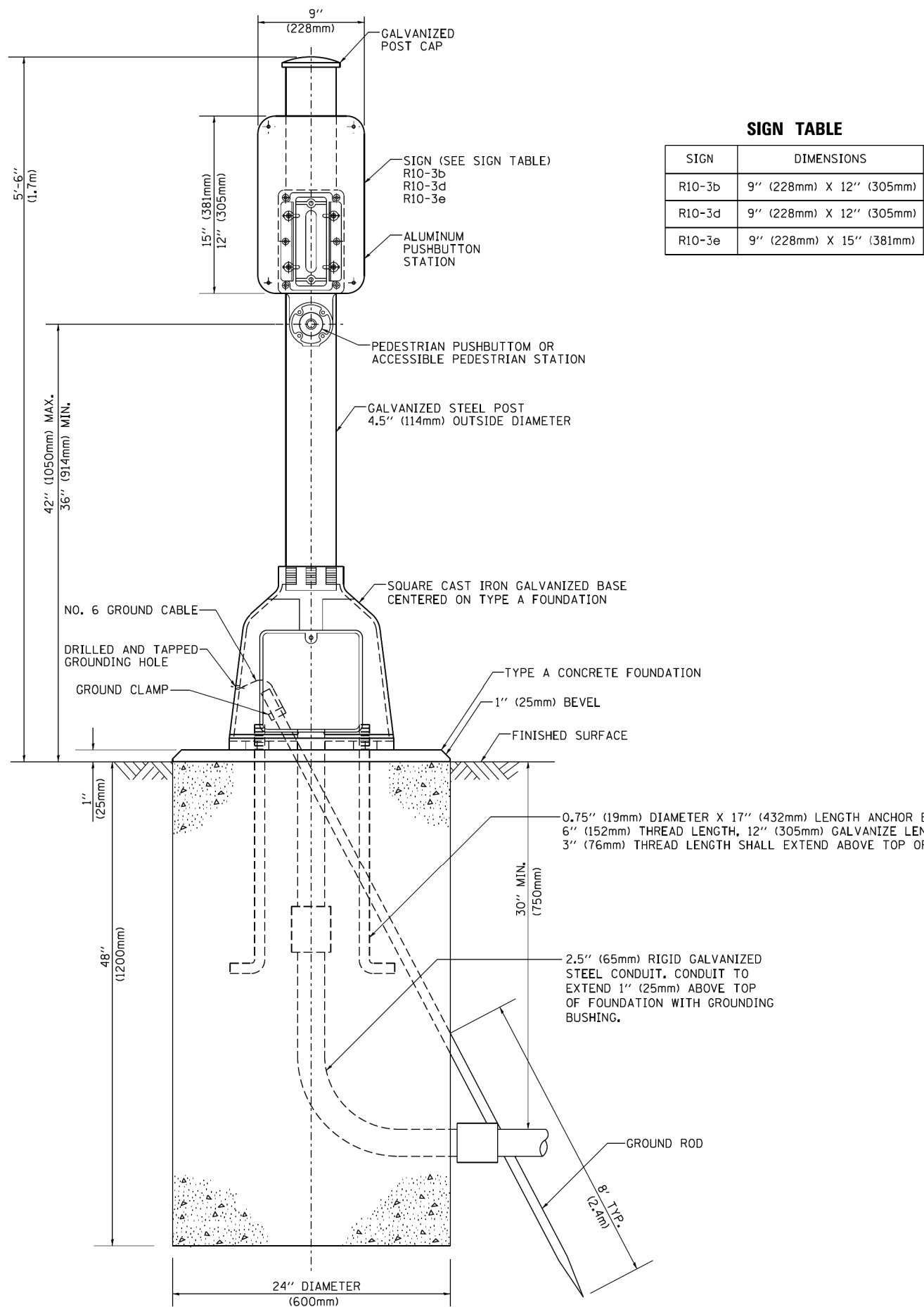
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE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



NOTES:

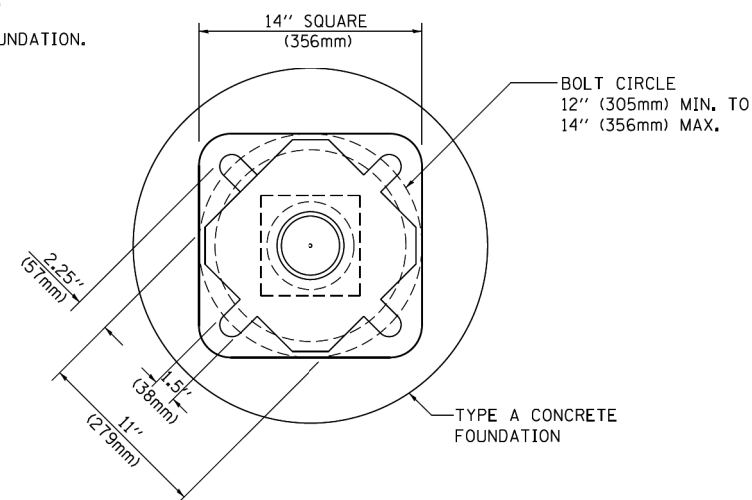
1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME = SA:\JL\38800-38931\38932\007.Dr-armpg\CAD\Micros\CADD_Sheets\007-15-DETS.dgn

SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 48.0000' / in.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

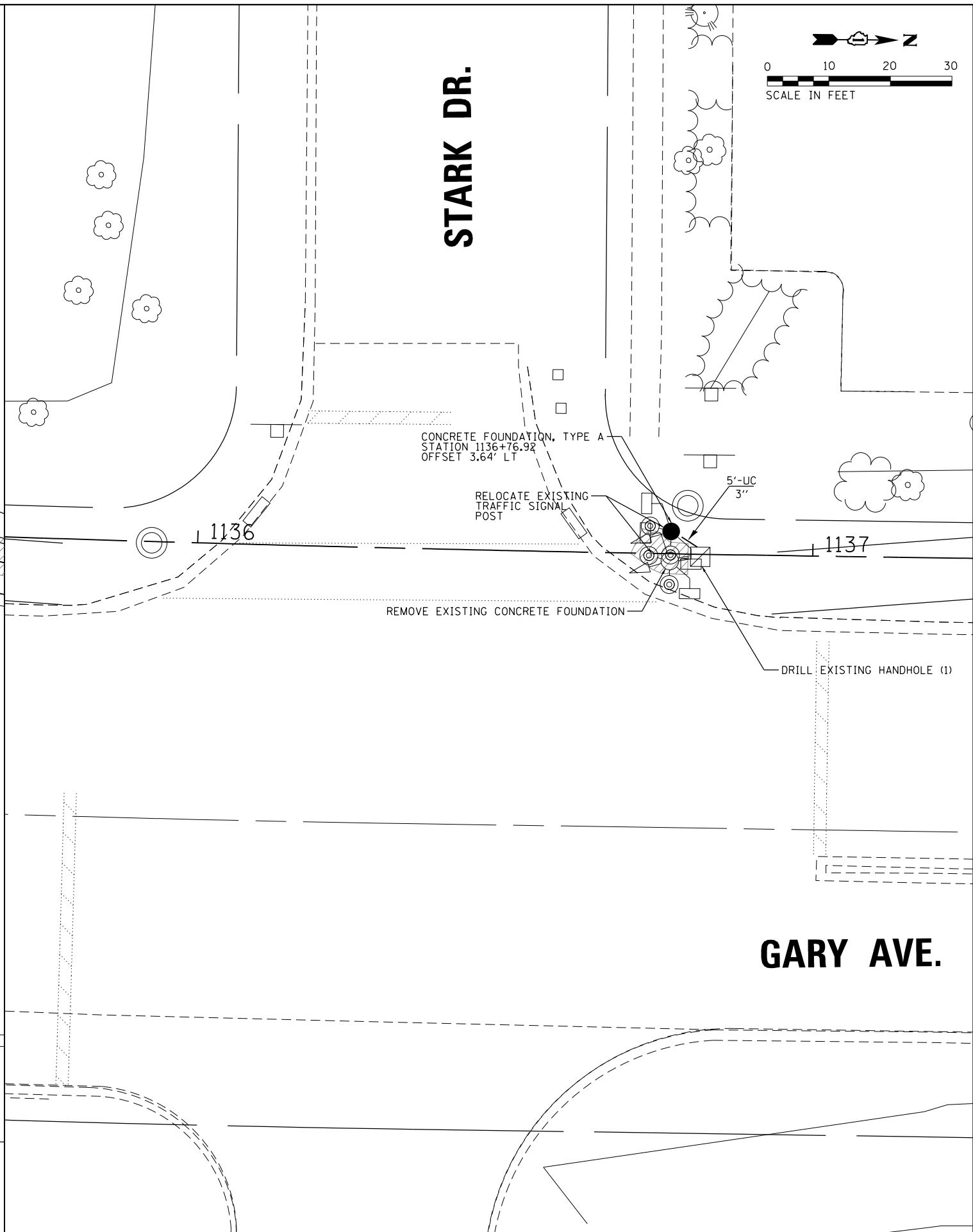
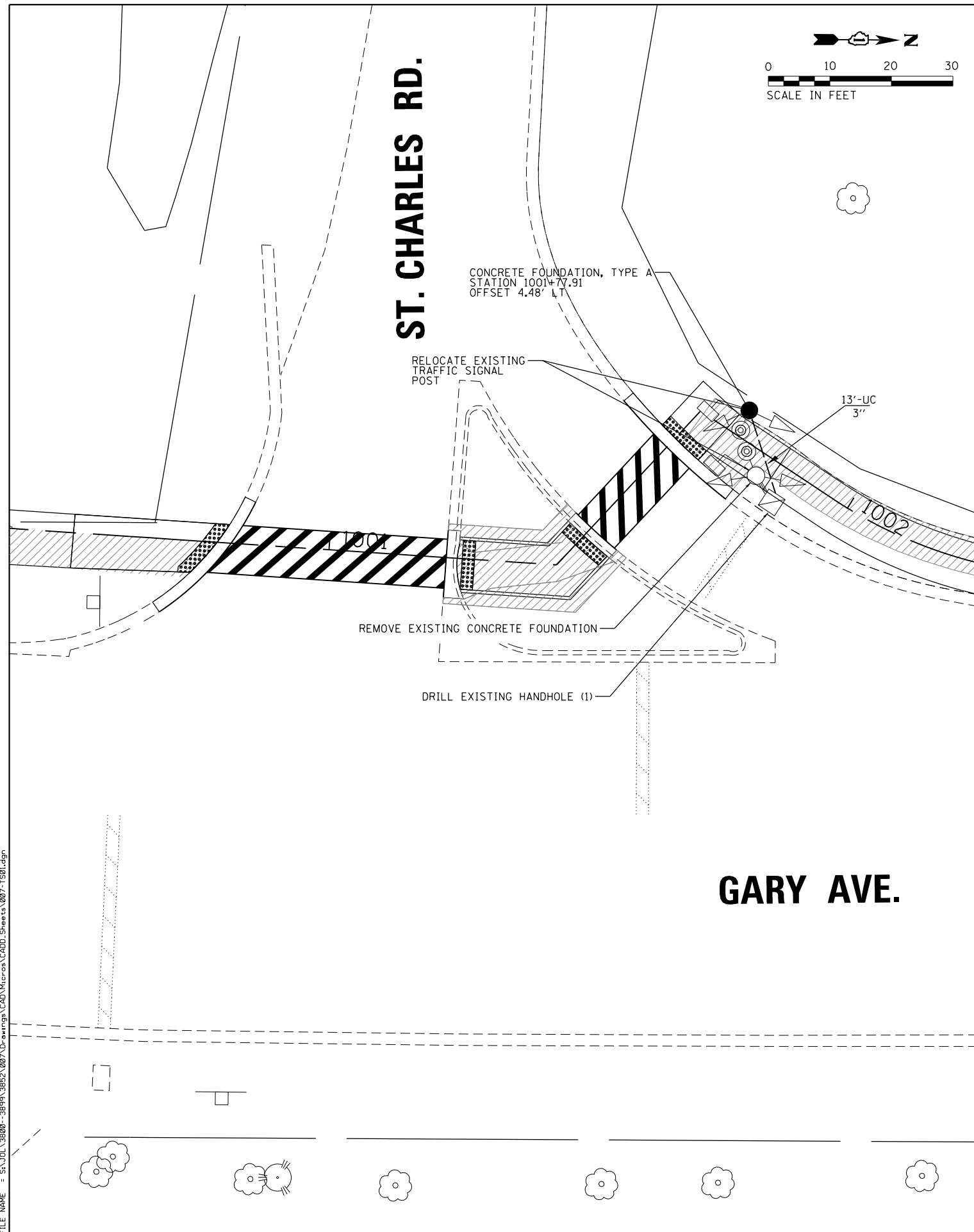
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	123
TS-05			CONTRACT NO. 61F74	
ILLINOIS FED. AID PROJECT				

FILE NAME = SA\JUL\38800-38934\3882\007\Dr-arrrgs\CAD\Micros\CAD00_Sheets\007-1501.dgn



SA
STRAND
ASSOCIATES*

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/6/2019	DATE -	REVISED -

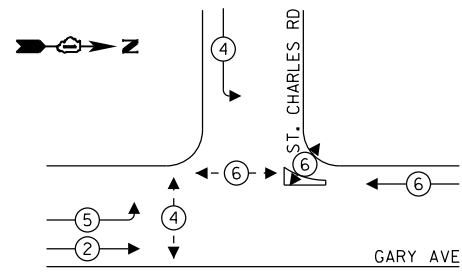
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION
GARY AVE. AND ST. CHARLES RD. & GARY AVE. AND STARK DR.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	124
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

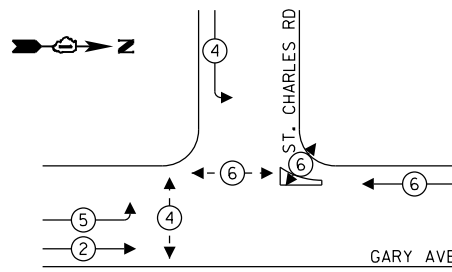
EXISTING CONTROLLER SEQUENCE



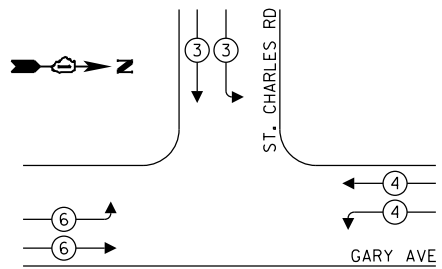
LEGEND:

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

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTION	3	4	5	6
MOVEMENT				

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

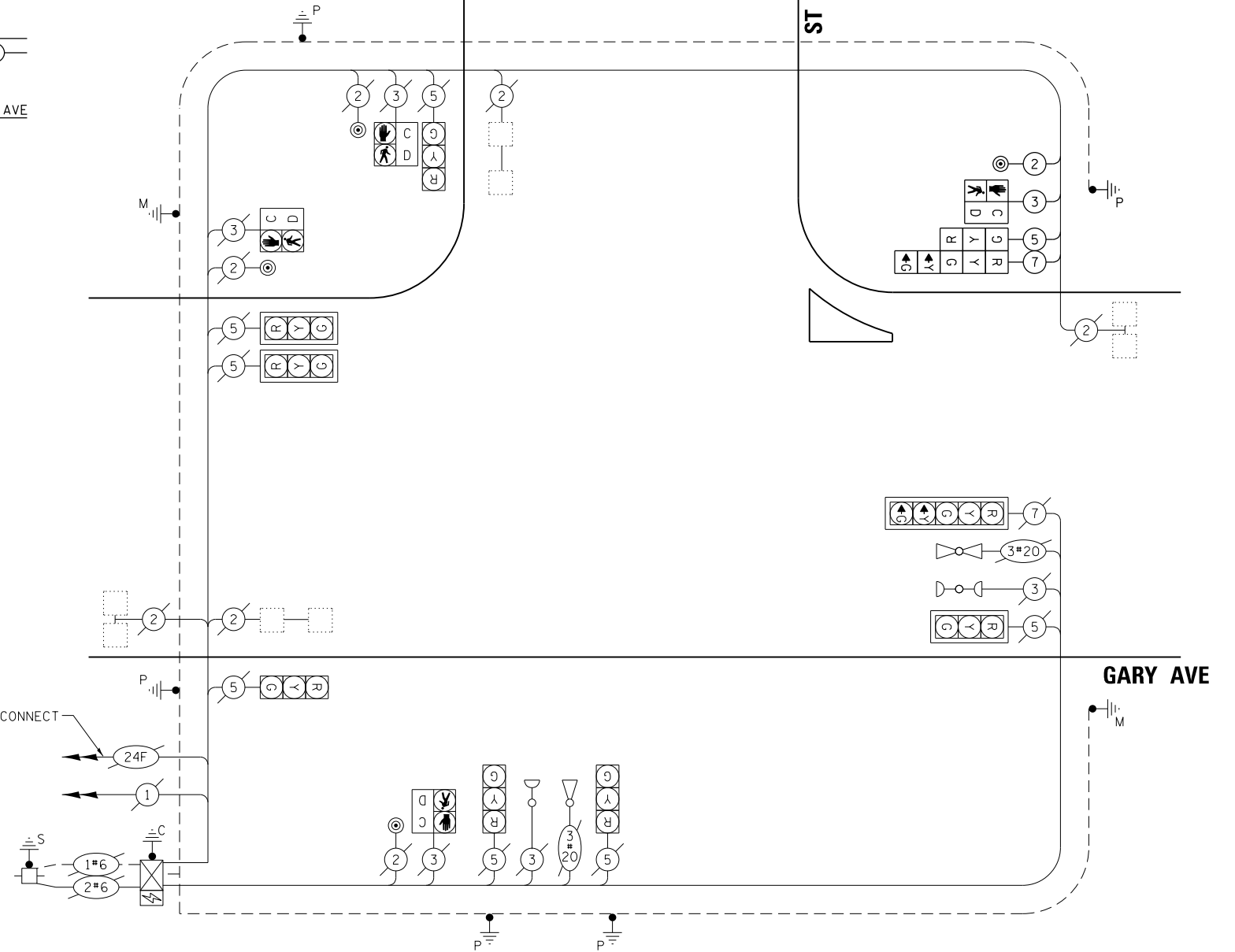
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	17	50	85
(YELLOW)	10	25	25	62.5
(GREEN)	10	15	25	37.5
PERMISSIVE ARROW	4	12	10	4.8
PED. SIGNAL	4	25	100	100
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				414.8

ENERGY COSTS TO:
DUPAGE COUNTY DOT

ENERGY SUPPLY: CONTACT: ---
PHONE: ---
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

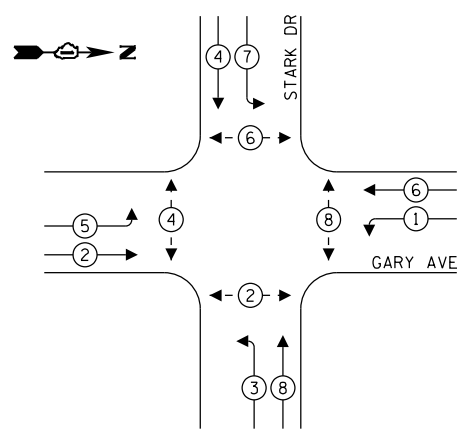
QUANTITY	UNIT	ITEM
13	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
4	FOOT	CONCRETE FOUNDATION, TYPE A
1	FOOT	DRILL EXISTING HANDHOLE
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	RELOCATE EXISTING TRAFFIC SIGNAL POST



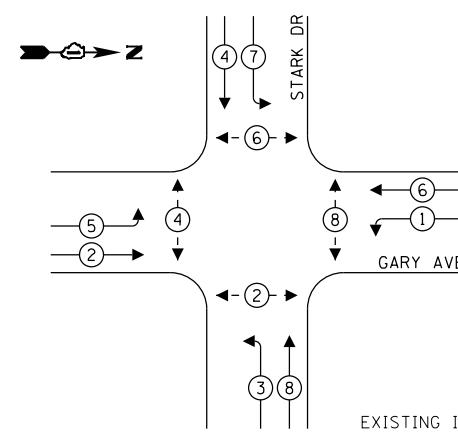
CABLE PLAN
(NOT TO SCALE)

FILE NAME = SA\JOL\38800-38991\3892\007\Dr-armpg\CAD\Micros\CADD_Sheets\007-15802.dgn

EXISTING CONTROLLER SEQUENCE



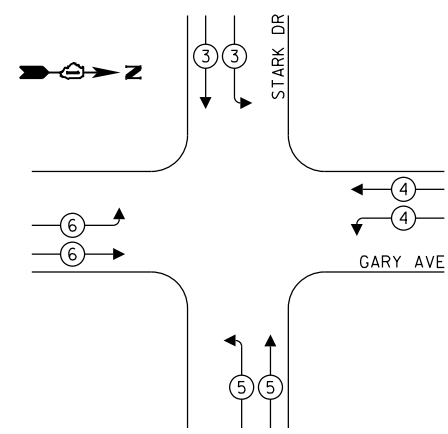
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTION	3	4	5	6
MOVEMENT	↓ ↘ ↙	↙ ↘ ↗	↘ ↗ ↖	↗ ↖ ↙

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

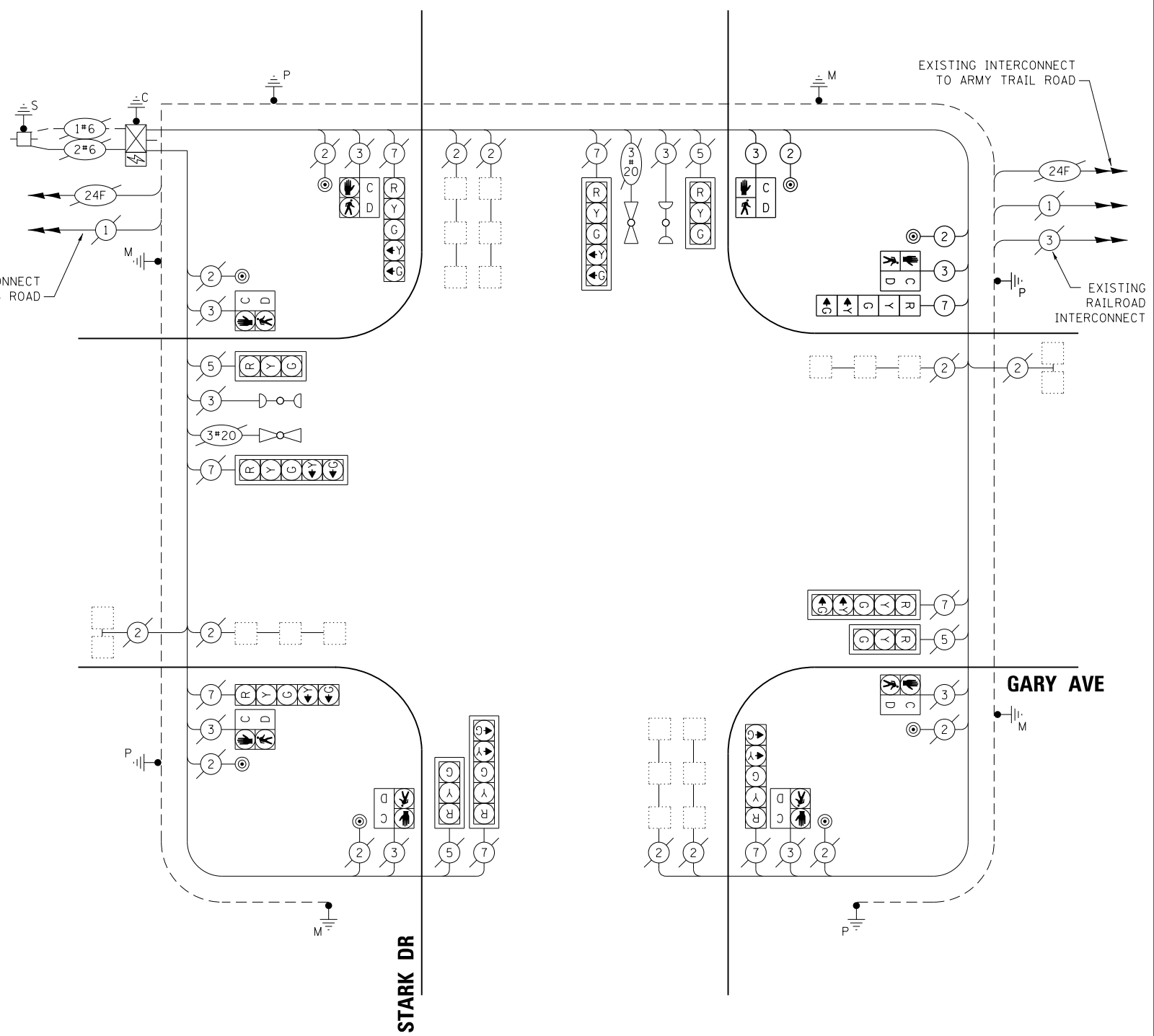
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	50	102
(YELLOW)	12	25	25	75
(GREEN)	12	15	25	45
PERMISSIVE ARROW	18	12	10	21.6
PED. SIGNAL	8	25	100	200
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				568.6

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
5	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
4	FOOT	CONCRETE FOUNDATION, TYPE A
1	FOOT	DRILL EXISTING HANDHOLE
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	RELOCATE EXISTING TRAFFIC SIGNAL POST

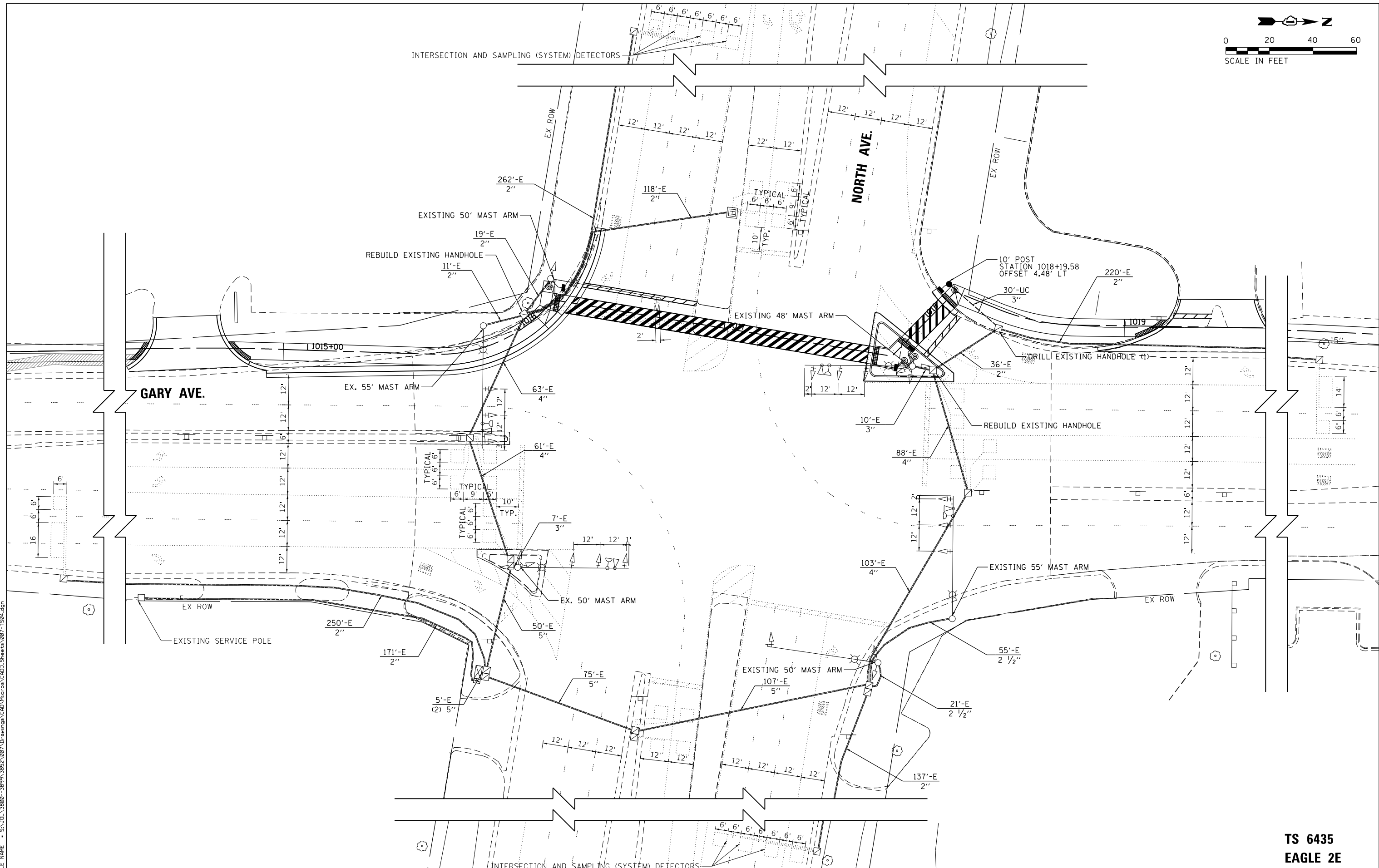
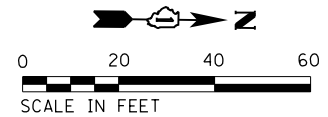
ENERGY COSTS TO:
 DUPAGE COUNTY DOT

ENERGY SUPPLY: CONTACT: ---
 PHONE: ---
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

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FILE NAME = SA\JUL\38800-38931\3882\007\Dr-armpg\CAD\Micros\CAD00_Sheets\007-1584.dgn

**TS 6435
EAGLE 2E**

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 48.0000' / in.
PLOT DATE = 12/6/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

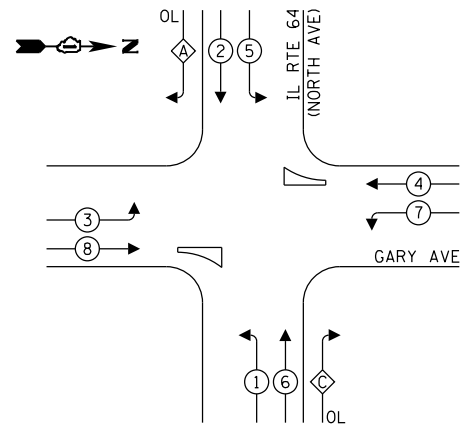
**TRAFFIC SIGNAL INSTALLATION
GARY AVE. AND NORTH AVE.**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	127
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



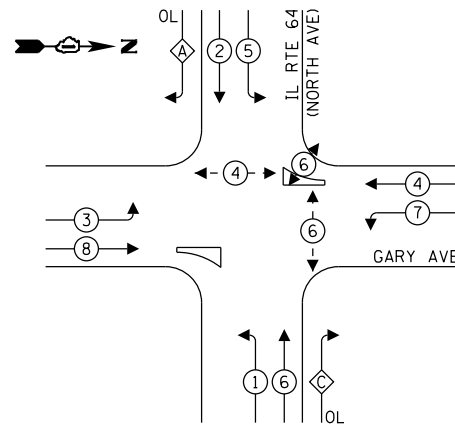
LEGEND:

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

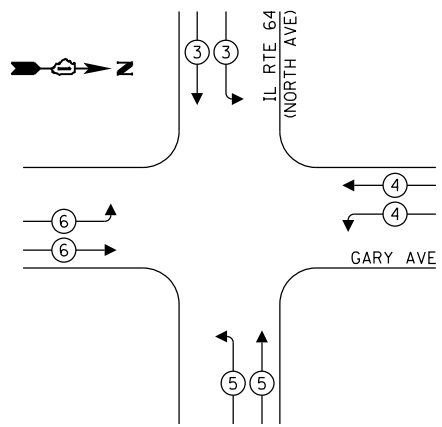
RIGHT TURN OVERLAP PHASE DESIGNATION:

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

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTION	3	4	5	6
MOVEMENT	↓ ↘ ↙	↘ ↙ ↘	↙ ↘ ↙	↘ ↙ ↘

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

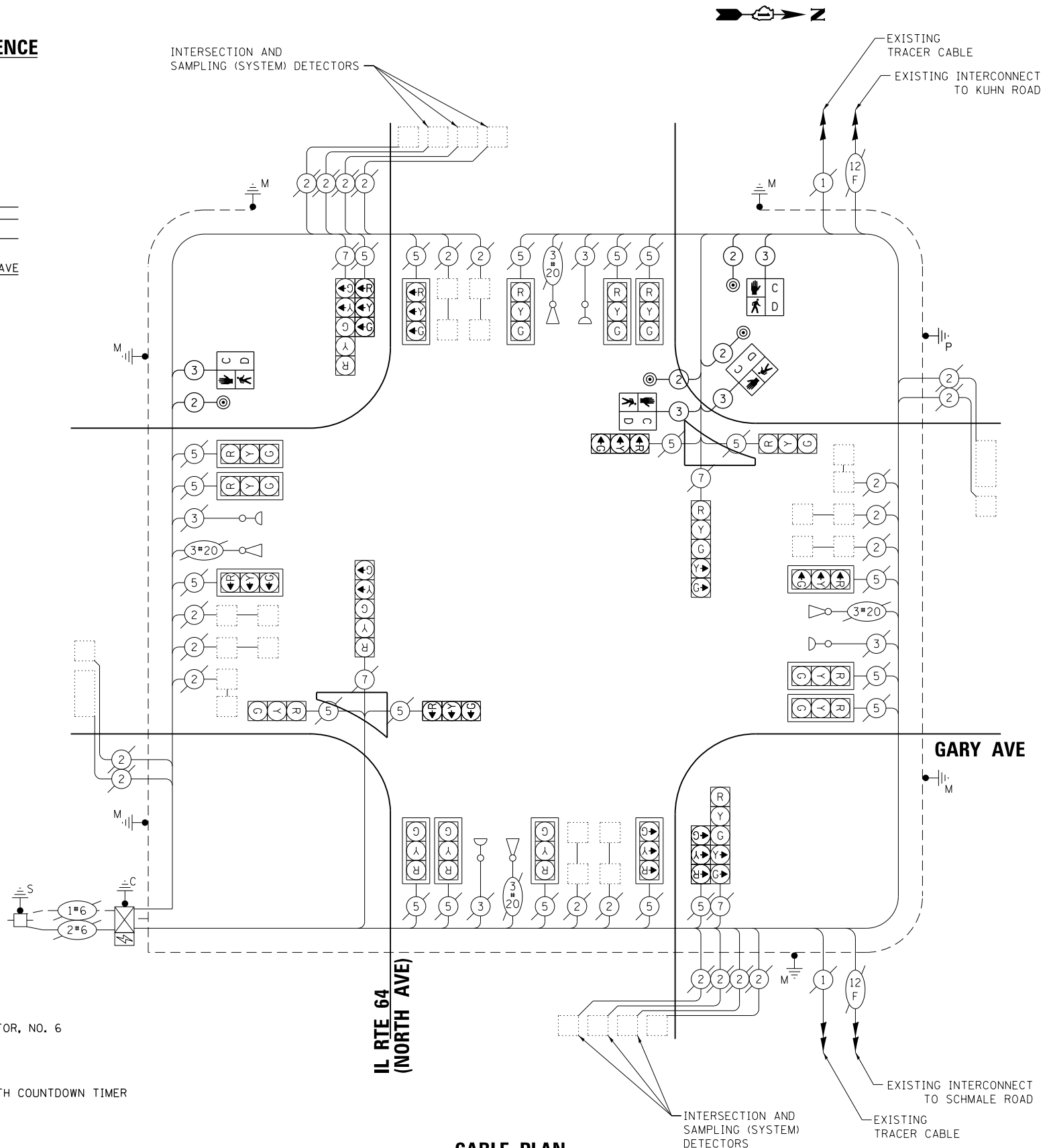
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	24	17	50	204
(YELLOW)	24	25	25	150
(GREEN)	24	15	25	90
PERMISSIVE ARROW	8	12	10	9.6
PED. SIGNAL	4	25	100	100
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				678.6

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY / DISTRICT 1
 201 WEST CENTER COURT / SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: ---
 PHONE: ---
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
30	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
1682	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1710	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
76	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1 FACE, BASKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	FOOT	DRILL EXISTING HANDHOLE
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
2	EACH	REBUILD EXISTING HANDHOLE
1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1



CABLE PLAN
(NOT TO SCALE)

BENCH MARK:

GA-1

Square cut on a concrete light pole base on the east side of Gary Ave. and on the south side of the second entrance north of North Ave. (135 N. Gary Ave. or Napa Auto Parts Entrance). Said light pole has a 45 mph speed limit sign attached and is cantilevered towards Gary Ave.
 Station: 1020+77.98
 Offset: 107.69' RT

GA-6

Sqaure cut on a concrete light pole base on the west side of Gary Ave. and Fountain View Dr. Said light pole is the most easterly light pole and in the center area of Fountain View Dr.
 Station: 1106+15.29
 Offset: 20.24LT

DESIGN STRESSES:

Field units
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)
 Precast units
 f'c = 4,500 psi

DESIGN SPECIFICATIONS:

2017 AASHTO LRFD 8th Ed. Bridge Design Specifications
 Illinois Department of Transportation Bridge Manual, January 2012
 Illinois Department of Transportation All Bridge Designer Memorandums

CONSTRUCTION SPECIFICATIONS:

Illinois Department of Transportation Guide Bridge Special Provisions (GBSP'S)
 Illinois Department of Transportation Supplemental Specifications and Recurring Special Provisions adopted January 1, 2019
 Illinois Department of Transportation Standard Specifications for Road and Bridge Construction adopted January 1, 2016

STAGING:

No detour or staging required. Traffic shall be maintained at all times during construction on Gary Avenue & Army Trail Road

PROPOSED MULTI-USE PATH:

User Volume per hour less than 100
 Design Speed: 20 mph

SALVAGE:

None.

EXISTING STRUCTURE:

Existing Retaining Wall (Modular Block) North of Lies Rd. on Gary Ave. Sta. 1115+66.29 to Sta. 1120+78.87 approximate length 507'. See sheets 9 and 10.

Existing Box Culvert (Cast-in-place) South of Chicago, Central & Pacific Railroad on Gary Ave. Sta. 1139+92.79. See sheet 11

PROPOSED STRUCTURE:

Four Retaining Walls (Max Retained Height = 11.25') along proposed Multi-Use Path on Gary Avenue & Army Trail Road.

Retaining Wall 1 (Modular Block) West of Railroad on Army Trail Road approximate length 69'.

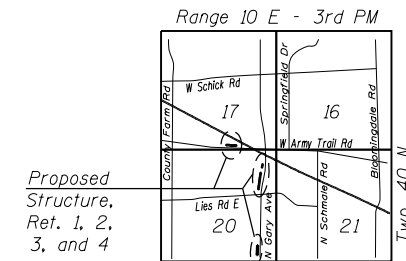
Retaining Walls 2 (Cast-in-place) is South of Chicago, Central & Pacific Railroad on Gary Avenue approximate length 264'.

Retaining Walls 3 (Modular block) is North of Chicago, Central & Pacific Railroad on Gary Avenue approximate length 76'.

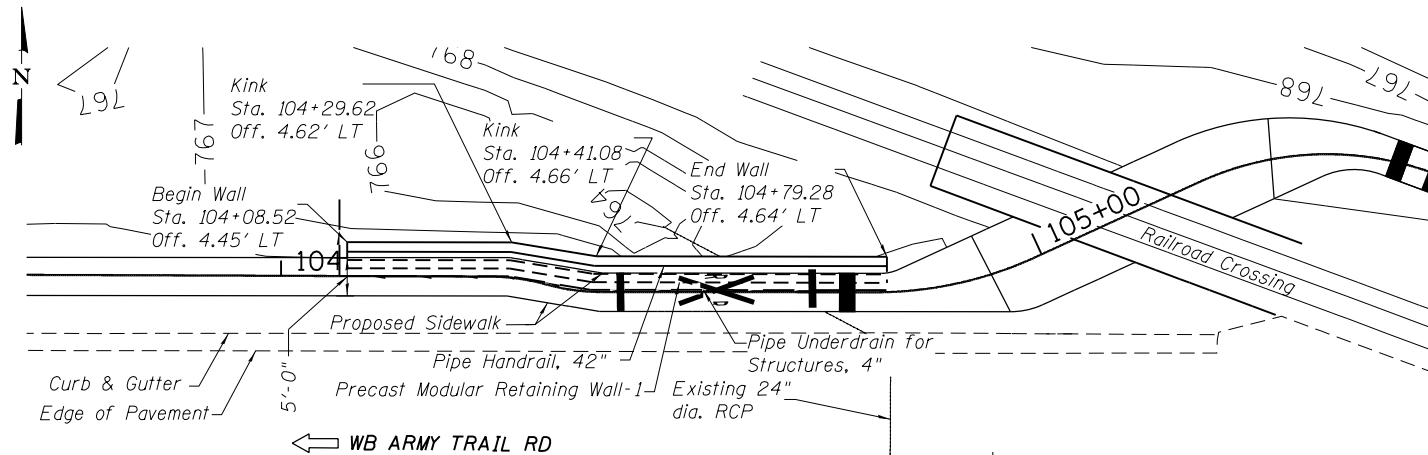
Retaining Walls 4 (Modular block) is on Gary Avenue approximate length 43'.

LEGEND:

- ⊙ - Construction Joint
- ⊕ - Expansion Joint
- ⊕ - Soil Boring Location
- ➔ - Direction of Traffic

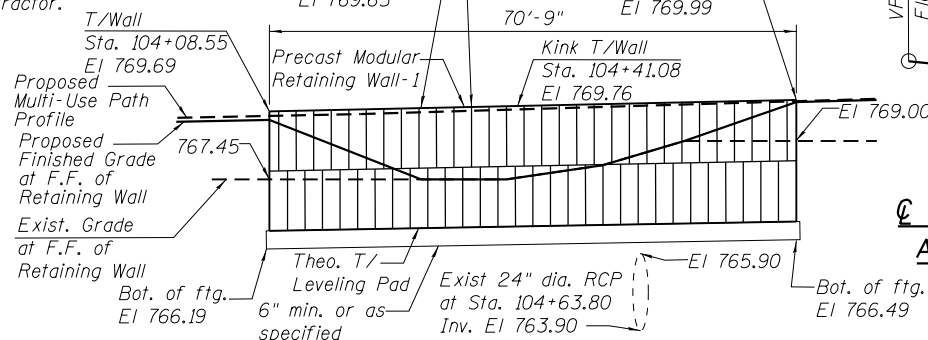


LOCATION SKETCH

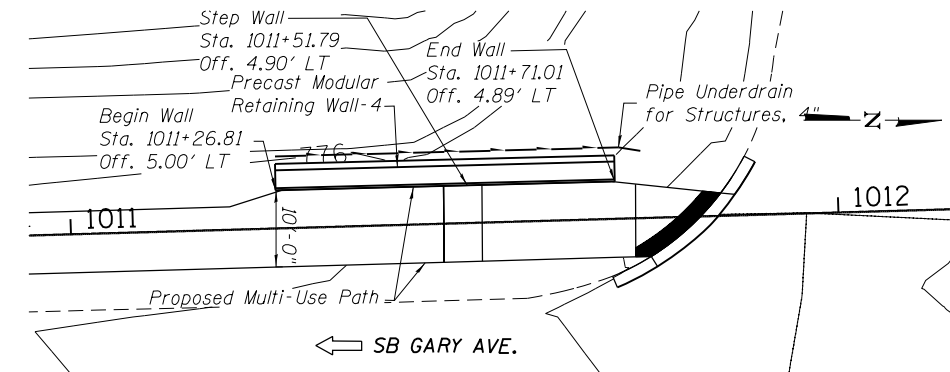


PLAN - RETAINING WALL - 1

Note:
 Precast Modular Retaining Wall front face elevation view of blocks is schematic representation. Actual block placement to be determined by supplier selected by Contractor.

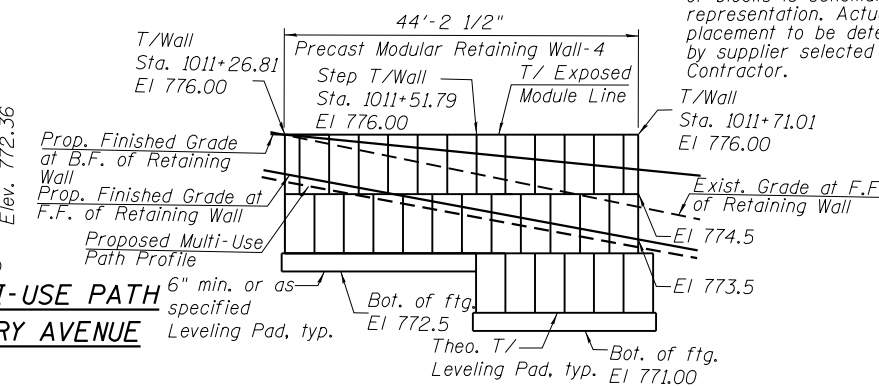


FRONT FACE ELEVATION - (PRECAST MODULAR RETAINING WALL - 1)
 From Sta 104+08.55 To Sta 104+79.28
 (Looking North)

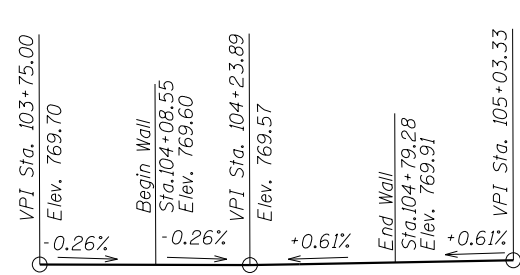


PLAN - RETAINING WALL - 4

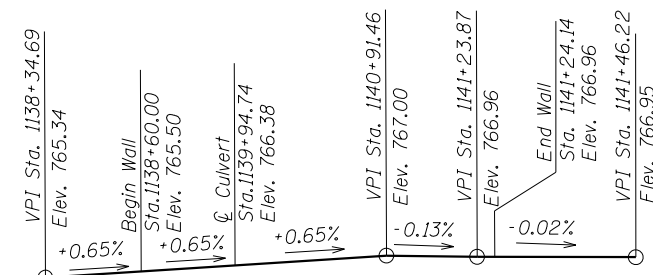
Note:
 Precast Modular Retaining Wall front face elevation view of blocks is schematic representation. Actual block placement to be determined by supplier selected by Contractor.



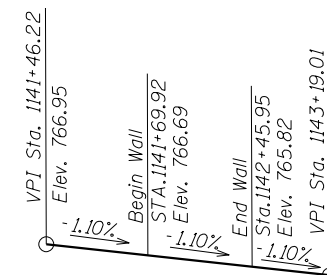
FRONT FACE ELEVATION - (PRECAST MODULAR RETAINING WALL - 4)
 From Sta 1011+26.81 To Sta 1011+71.01
 (Looking West)



PROFILE GRADE LINE OF MULTI-USE PATH ALONG RETAINING WALL - 1 - ARMY TRAIL ROAD



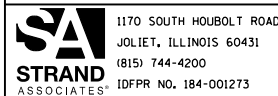
PROFILE GRADE LINE OF MULTI-USE PATH ALONG RETAINING WALL - 2 - GARY AVENUE



PROFILE GRADE LINE OF MULTI-USE PATH ALONG RETAINING WALL - 3 - GARY AVENUE

GENERAL PLAN AND ELEVATION (1 OF 2)
RETAINING WALLS
ARMY TRAIL ROAD AND GARY AVENUE (F.A.U. 2561)
SECTION 11-00237-11BT
DUPAGE COUNTY
 STATION 104+08.55 TO STATION 104+79.28
 STATION 1011+26.81 TO STATION 1011+71.01
 STATION 1138+60.00 TO STATION 1141+24.14
 STATION 1141+69.92 TO STATION 1142+45.95

MODEL: Default
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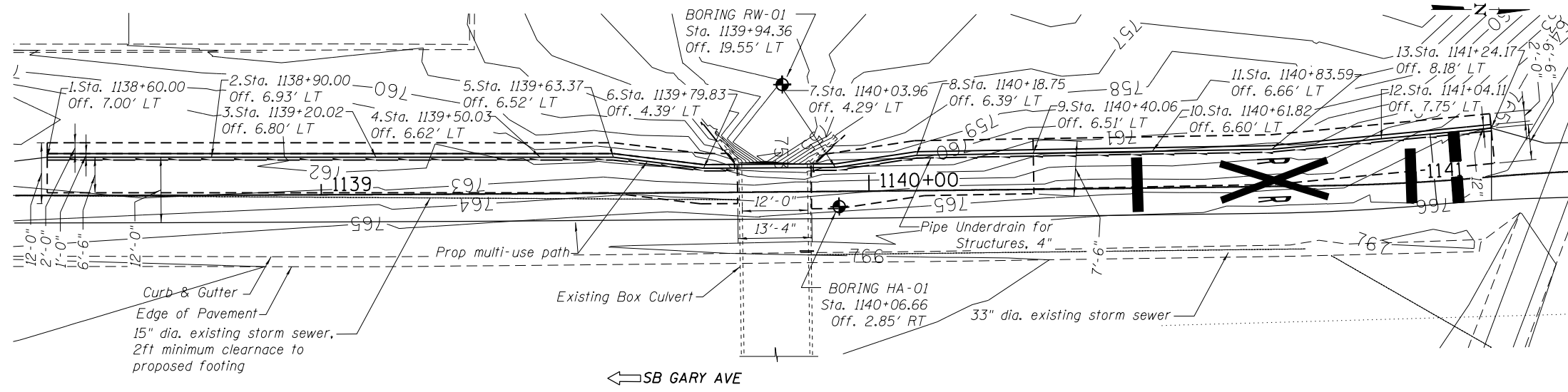
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME =	DESIGNED - DWK	REVISED -
	PLOT SCALE =	CHECKED - BRL	REVISED -
	PLOT DATE =	DRAWN - DJW	REVISED -
		CHECKED - AJ5	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

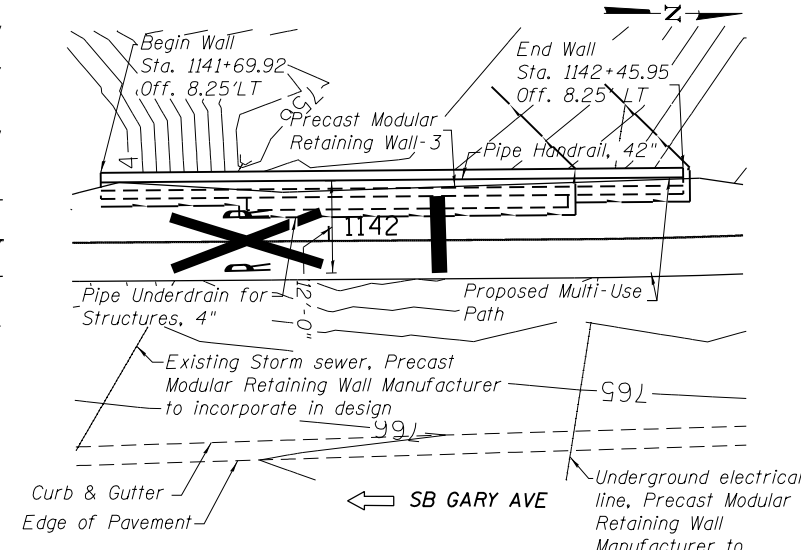
GENERAL PLAN AND ELEVATION
(SHEET 1 OF 2)

SHEET 1 OF 11 SHEETS

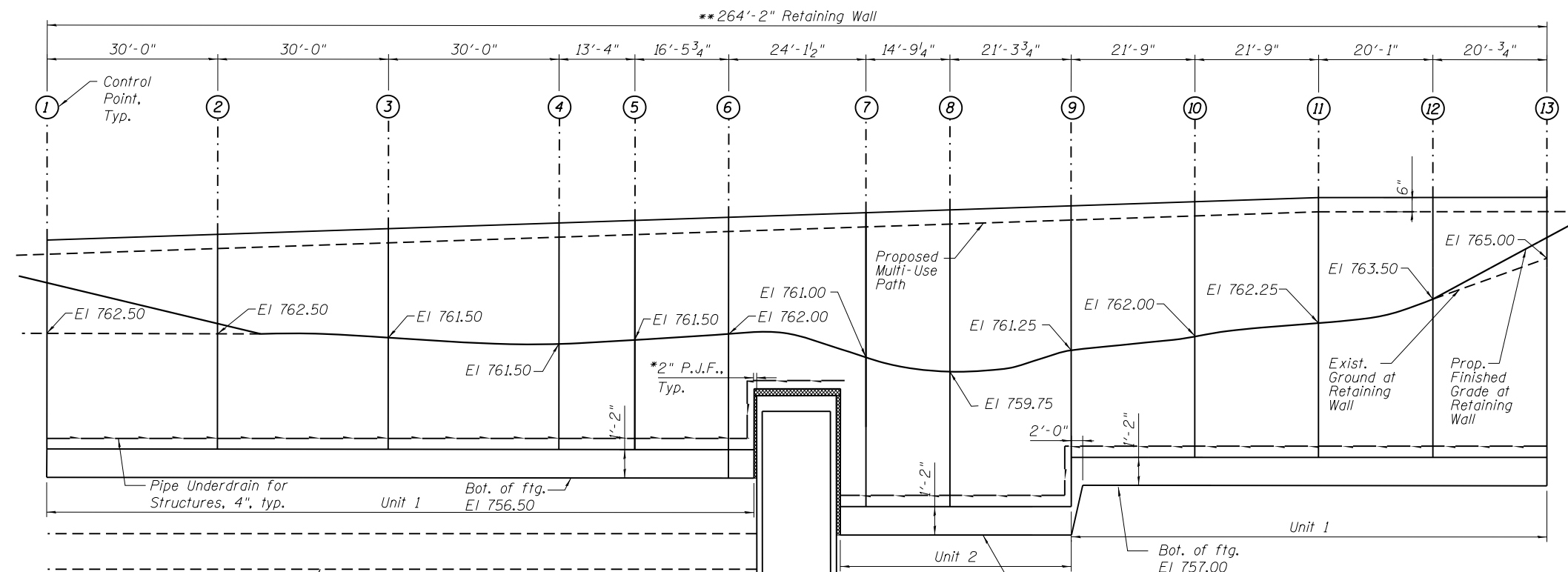
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	129
				CONTRACT NO. 61F 74
ILLINOIS FED. AID PROJECT				



PLAN - RETAINING WALL-2



PLAN - RETAINING WALL-3

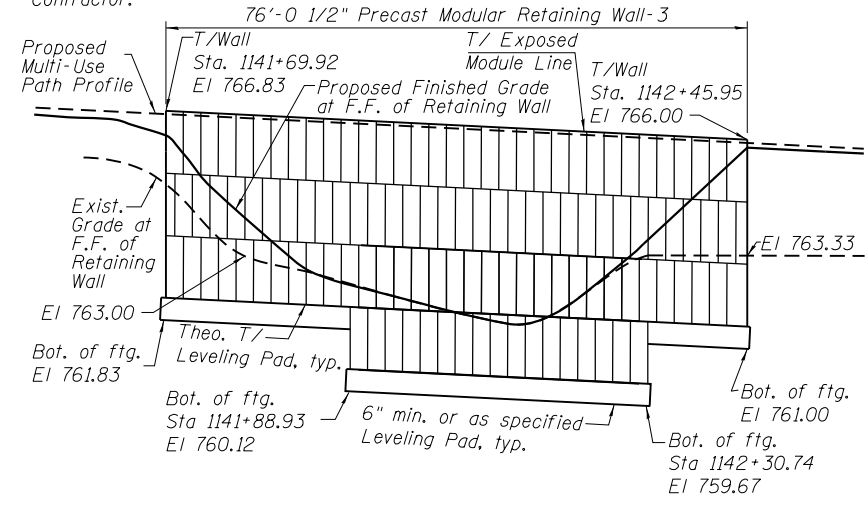


FRONT FACE ELEVATION - RETAINING WALL-2

Sta. 1138+60.00 to Sta. 1141+24.17

(Looking West)

Note:
Precast Modular Retaining Wall front face elevation view of blocks is schematic representation. Actual block placement to be determined by supplier selected by Contractor.



FRONT FACE ELEVATION - (PRECAST MODULAR RETAINING WALL-3)

Sta. 1141+69.92 to Sta. 1142+45.95

(Looking West)

Control Point	Geometry	Station	T/Wall Elevation	Joint Type
1	Begin Wall	1138+60.00	766.12	N/A
2	Joint	1139+90.00	766.32	CJ
3	Joint	1139+20.02	766.51	CJ
4	Joint	1139+50.03	766.70	EJ
5	Kink	1139+63.37	766.79	CJ
6	Kink	1139+79.83	766.86	CJ
7	Kink	1140+03.96	767.01	CJ
8	Kink	1140+18.75	767.14	CJ
9	Step	1140+40.06	767.28	EJ
10	Joint	1140+61.82	767.43	CJ
11	Kink	1140+83.59	767.57	CJ
12	Joint	1141+04.11	767.62	CJ
13	End Wall	1141+24.17	767.61	N/A

*Cost of P.J.F. included in Concrete Structures
**Measured Along Alignment

LEGEND:

- (C) - Construction Joint
- (E) - Expansion Joint
- ◆ - Soil Boring Location
- ⇨ - Direction of Traffic

GENERAL PLAN AND ELEVATION (2 OF 2)
RETAINING WALLS
ARMY TRAIL ROAD AND GARY AVENUE (F.A.U. 2561)
SECTION 11-00237-11BT
DUPAGE COUNTY
STATION 104+08.55 TO STATION 104+79.28
STATION 1011+26.81 TO STATION 1011+71.01
STATION 1138+60.00 TO STATION 1141+24.17
STATION 1141+69.92 TO STATION 1142+45.95

MODEL: Default; FILE NAME: S:\JOL 13800--3899\3852\007.Dr\Drawings\CADD\Micros\CADD_Sheets\02-0068-sht-retwall General Plan & Elevation (2 of 2).dgn

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =	DESIGNED - DWK	REVISED -
PLOT SCALE =	CHECKED - BRL	REVISED -
PLOT DATE =	DRAWN - DJW	REVISED -
	CHECKED - AJ5	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
(SHEET 2 OF 2)**
SHEET 2 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	130
CONTRACT NO. 61F74			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

CAST-IN-PLACE CONCRETE

- Concrete Compressive Strength f'c shall be 3,500 psi @ 28 days.
- All exposed Concrete edges shall have a 3/4"x45° Chamfer, Except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below the finished ground level.

REINFORCEMENT BARS

- Reinforcement bars designated "(E)" shall be epoxy coated.
- Reinforcement Bars, Epoxy Coated shall conform to the requirements of A.A.S.H.T.O. M-31 (ASTM A615) Grade 60, Deformed Bars.
- Reinforcement bending details shall be in accordance with the latest "Manual Of Standard Practice for Detailing Reinforced Concrete Structures" ACI 315.

CONSTRUCTION

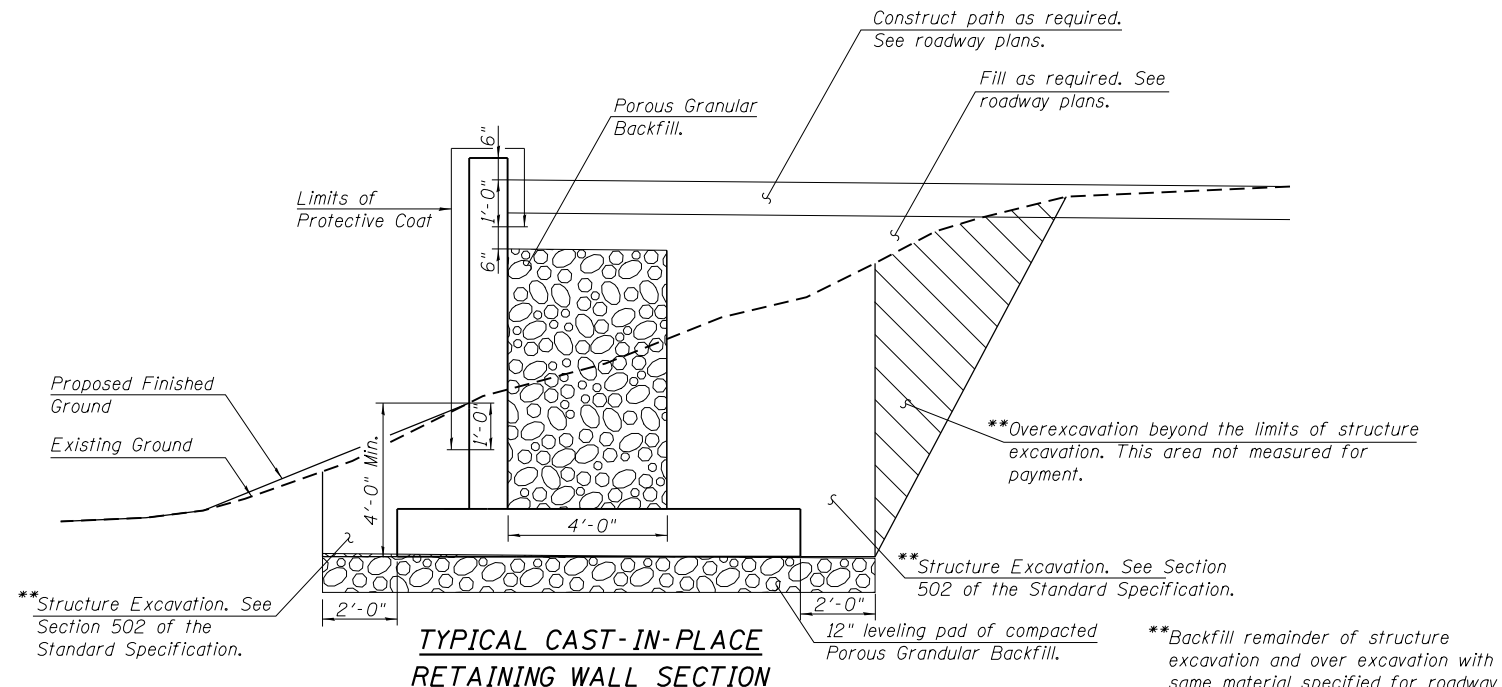
- The Contractor shall not scale any dimensions from contract plans for construction purposes.
- No Construction joints, except those shown on the plans, will be allowed unless approved by the Engineer.
- Protective coat shall be applied to the top and traffic face of Retaining Wall-2.
- When excavating for the wall's footing, the Contractor shall use a method that will result in minimal disturbance to the underlying soil.
- Geocomposite wall drain is to be continuous over the entire length of the back face of the retaining wall.
- The Contractor shall be responsible for the protection of all underground or surface utilities even though they may not be shown in the plans. Any utility that is damaged during construction shall be repaired or replaced to the satisfaction of the Engineer. This work will not be at the County's expense but at the expense of the contractor.
- The Contractor shall coordinate work with utilities in advance of working in the vicinity of their facilities, and allow sufficient time for them to perform adjustments to their facilities in accordance with the Contractor's schedule. Coordination efforts shall be included in the cost of the contract bid price.
- The Contractor must call the IDOT electrical maintenance Contractor to locate IDOT facility cables. The Contractor must call the DuPage County Division of Transportation to locate County facility cables.
- The Pipe Underdrain for Structures, 4" shall be situated within the granular backfill, which shall be wrapped completely in geotechnical filter fabric. A 1'-6" lap will be used where the fabric must be lapped. Cost of Geotechnical fabric shall be included with Pipe Underdrain for Structures, 4". Granular backfill for structures will be paid for separately.
- It is the Contractor's responsibility to locate and protect the fiber optic cables and drain pipes.
- The soil boring logs represent point information. Presentation of this information in no way implies that subsurface conditions are the same at locations other than the exact location of the boring. Contractor shall prepare subgrade for foundation of all walls as required in field to obtain a min. bearing capacity of 3,000 psf.
- No concrete cutting will be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- Whenever any material is deposited into a drainage system or drainage structures, the deposited material shall be removed at the close of each working day. At the conclusion of construction operations, all drainage system and structures shall be free from dirt and debris deposited during the various construction operations.

INDEX OF SHEETS

Sht. No.	Sht. Title
1	General Plan and Elevation (1 of 2)
2	General Plan and Elevation (2 of 2)
3	General Notes
4	Retaining Wall-2 Details
5	Precast Modular Retaining Wall Sections
6	Retaining Wall-2 Sections
7	Pipe Handrail Details
8	Soil Boring Logs
9	Existing Retaining Wall (1 of 2)
10	Existing Retaining Wall (2 of 2)
11	Existing Culvert

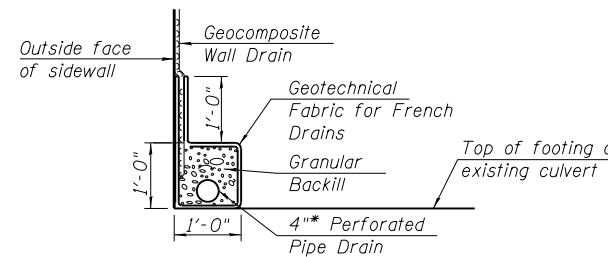
ABBREVIATIONS

P.G.L.	Profile Grade Line
N.B.L.	North Bound Lanes
S.B.L.	South Bound Lanes
S.Abut	South Abutment
N.Abut	North Abutment
E.F.	Each Face
F.F.	Front face
B.F.	Back Face
I.F.	Inside Face
O.F.	Outside Face
P.J.F.	Preformed Joint Filler
P.J.S.	Preformed Joint Sealer
BK/	Back of
B/	Bottom of
T/	Top of
Prop.	Proposed
Exist.	Existing
Theo.	Theoretical



TYPICAL CAST-IN-PLACE RETAINING WALL SECTION

Note: Geocomposite Drain and Pipe Underdrain for Structures not shown for clarity.



PIPE UNDERDRAIN DETAIL

All drainage system components shall extend from the wall ends towards the existing culvert except an outlet pipe shall return 90 degrees and penetrate the wall stem where it will extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

TOTAL BILL OF MATERIAL

PAY ITEM DESCRIPTION	UNIT	TOTAL	RECORD QUANTITY
Porous Granular Backfill	CU YD	427	
Structure Excavation	CU YD	1,161	
Concrete Structures	CU YD	195.8	
Protective Coat	SQ YD	248	
Reinforcement Bars, Epoxy Coated	POUND	33,230	
*Pipe Handrail	FOOT	971	
Geocomposite Wall Drain	SQ YD	217	
**Precast Modular Retaining Wall	SQ FT	798	
Pipe Underdrains for Structures, 4"	FOOT	519	

* Pipe Handrail Post Foundation Cost included in Pipe Handrail Pay Item.
 ** Precast Modular Retaining Wall quantity based on 6" minimum theoretical top of leveling pad to finished grade line at front face of wall.

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 (815) 744-4200
 IDFPR NO. 184-001273

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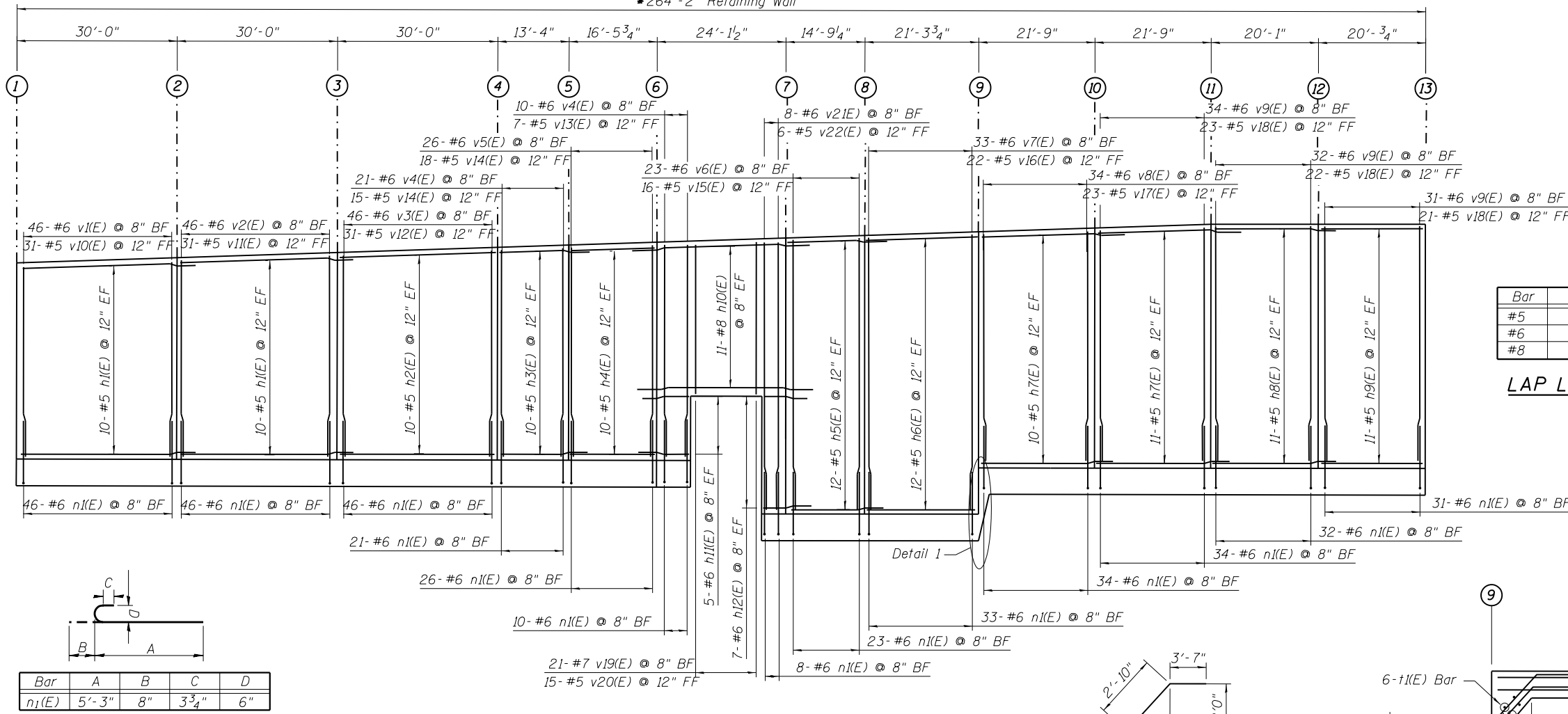
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 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SHEET 3 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	131
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				

• 264'-2" Retaining Wall



FRONT FACE ELEVATION - RETAINING WALL 2

(Looking West)
*Measured Along Profile
Note: Pipe Handrail Not Shown

NOTES:

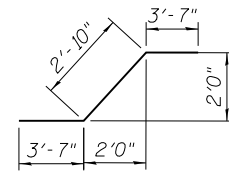
1. Reinforcement Bar Splices shall be in accordance with the following table, unless otherwise shown on the Drawing.
2. Reinforcement bar bending dimensions are out to out.
3. Bars noted thus, 3x2-#5 indicates 3 lines of bars with 2 lengths of bars per line.
4. Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2 inches for all other surfaces unless otherwise shown.

Bar	Min. Lap
#5	3'-7"
#6	4'-4"
#8	5'-9"

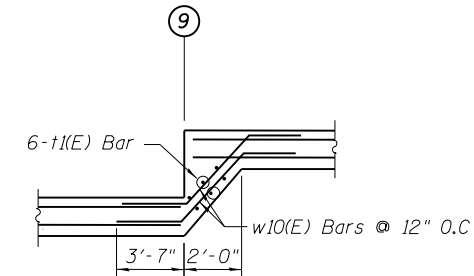
LAP LENGTHS

RETAINING WALL - 2
BILL OF MATERIAL

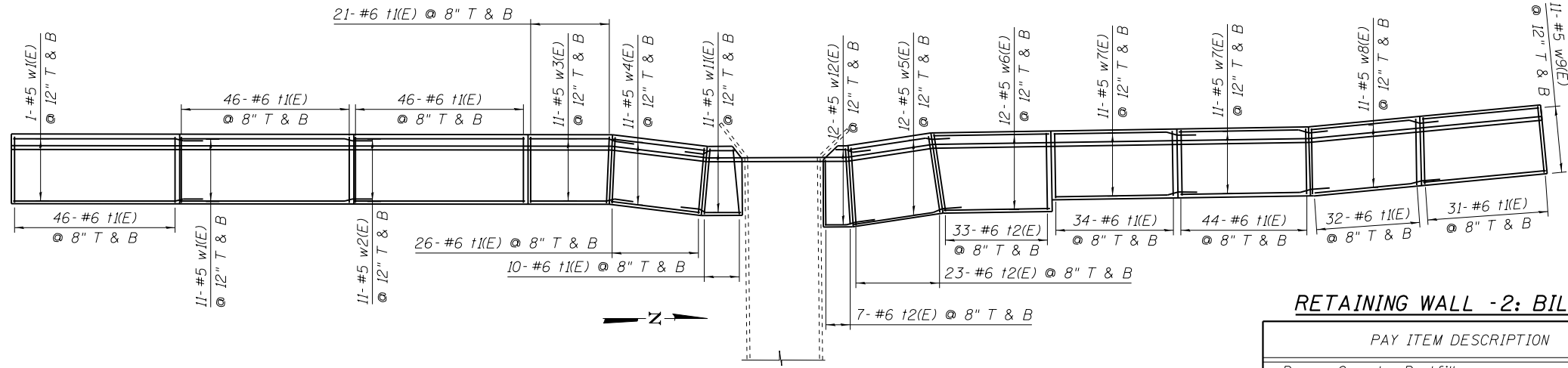
Bar	No.	Size	Length	Shape
h1(E)	20	#5	33'-7"	—
h2(E)	10	#5	29'-8"	—
h3(E)	10	#5	16'-11"	—
h4(E)	10	#5	16'-2"	—
h5(E)	12	#5	18'-4"	—
h6(E)	12	#5	30'-0"	—
h7(E)	21	#5	25'-4"	—
h8(E)	11	#5	24'-1"	—
h9(E)	11	#5	19'-9"	—
h10(E)	11	#6	34'-10"	—
h11(E)	5	#6	10'-7"	—
h12(E)	7	#6	8'-8"	—
n1(E)	390	#6	5'-11"	—
t1(E)	658	#6	9'-2"	—
t2(E)	126	#6	10'-2"	—
v1(E)	46	#6	8'-4"	—
v2(E)	46	#6	8'-6"	—
v3(E)	46	#6	8'-8"	—
v4(E)	31	#6	8'-9"	—
v5(E)	26	#6	8'-10"	—
v6(E)	23	#6	10'-8"	—
v7(E)	33	#6	10'-9"	—
v8(E)	34	#6	8'-11"	—
v9(E)	97	#6	9'-1"	—
v10(E)	31	#6	8'-4"	—
v11(E)	31	#5	8'-6"	—
v12(E)	31	#5	8'-8"	—
v13(E)	22	#5	8'-9"	—
v14(E)	18	#5	8'-10"	—
v15(E)	16	#5	10'-8"	—
v16(E)	22	#5	10'-9"	—
v17(E)	23	#5	8'-11"	—
v18(E)	66	#5	9'-1"	—
v19(E)	21	#7	6'-8"	—
v20(E)	15	#5	6'-8"	—
v21(E)	8	#6	10'-6"	—
v22(E)	6	#5	10'-6"	—
w1(E)	44	#5	33'-7"	—
w2(E)	22	#5	29'-8"	—
w3(E)	22	#5	16'-11"	—
w4(E)	22	#5	16'-2"	—
w5(E)	24	#5	18'-4"	—
w6(E)	24	#5	21'-0"	—
w7(E)	44	#5	24'-4"	—
w8(E)	22	#5	24'-1"	—
w9(E)	22	#5	19'-9"	—
w10(E)	22	#5	10'-0"	—
w11(E)	22	#5	9'-10"	—
w12(E)	24	#5	7'-11"	—



w10(E) BAR



Detail 1



FOOTING PLAN - RETAINING WALL 2

RETAINING WALL - 2: BILL OF MATERIALS

PAY ITEM DESCRIPTION	UNIT	TOTAL
Porous Granular Backfill	CU YD	427
Structure Excavation	CU YD	987
Concrete Structures	CU YD	195.8
Protective Coat	SQ YD	248
Reinforcement Bars, Epoxy Coated	POUND	33,230
*Pipe Handrail	FOOT	265
Geocomposite Wall Drain	SQ YD	217
Pipe Underdrains for Structures, 4"	FOOT	290

*Pipe Handrail, Post Foundation Cost Included in Pipe Handrail Pay Item

** Field Cut & Bend as Required

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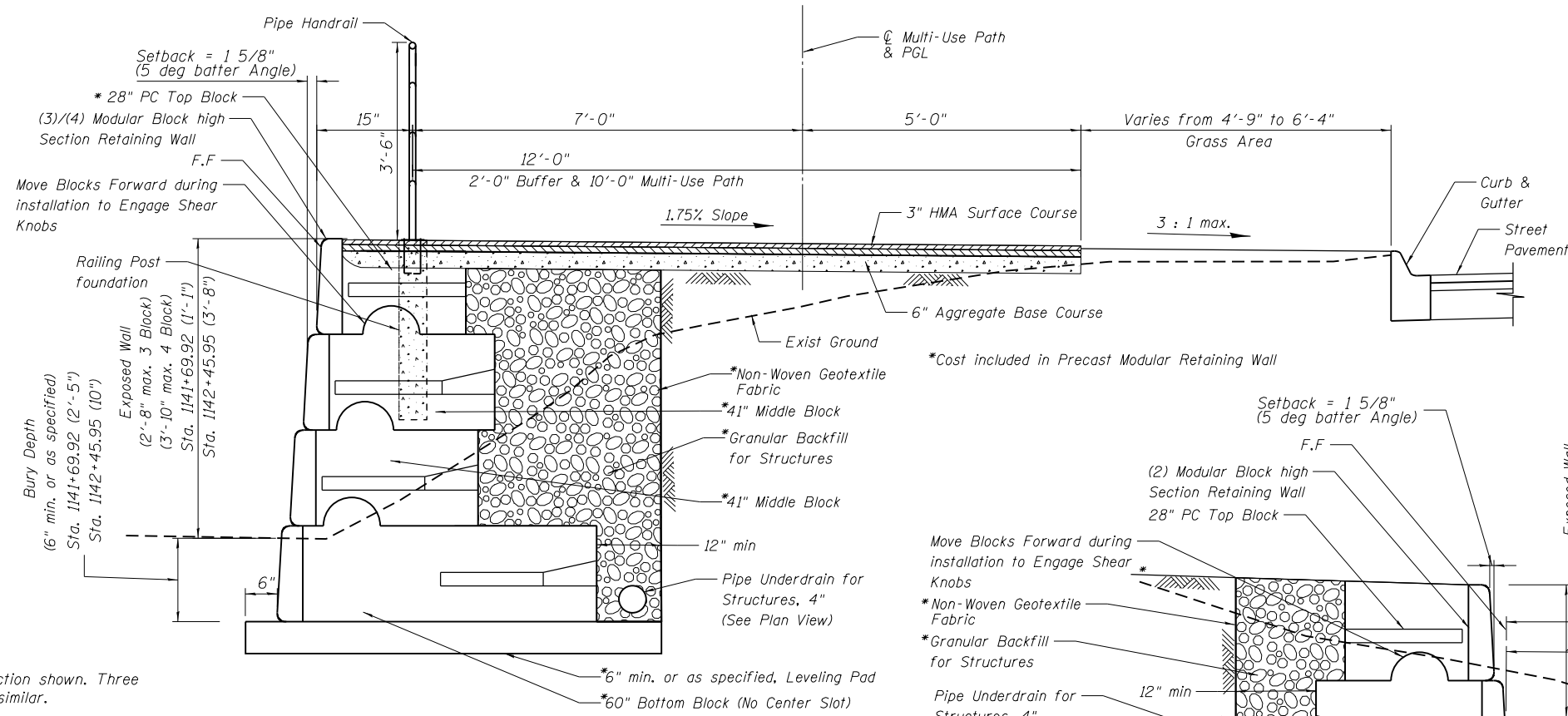
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL-2 DETAILS

SHEET 4 OF 11 SHEETS

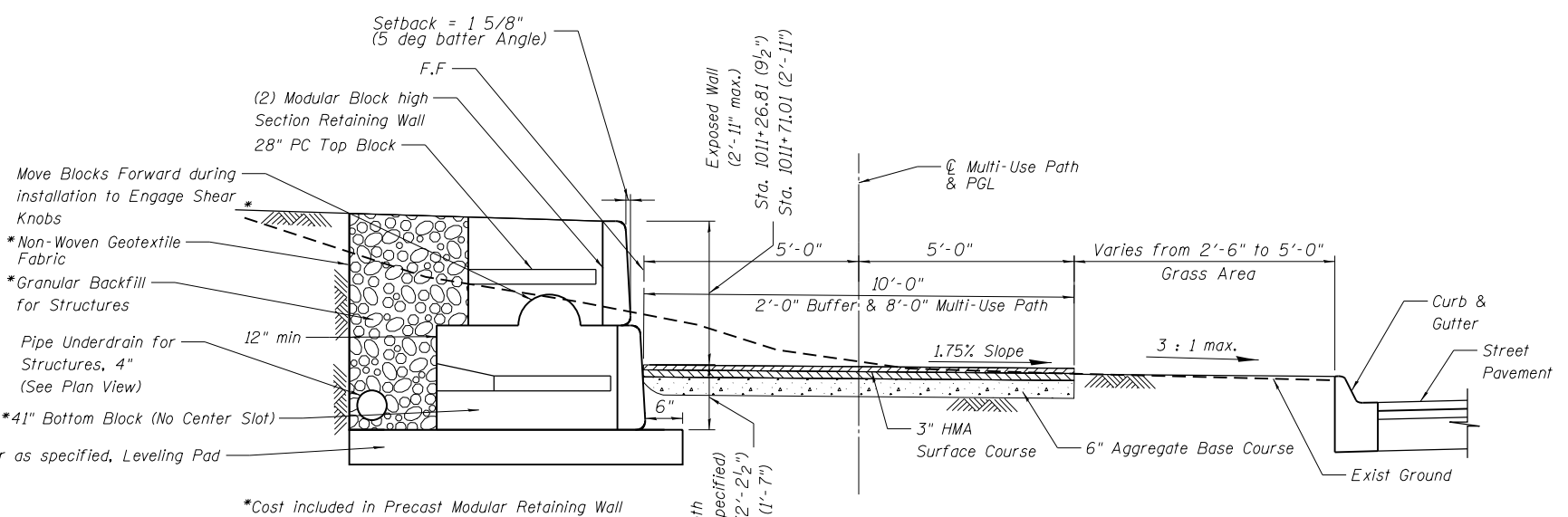
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				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				

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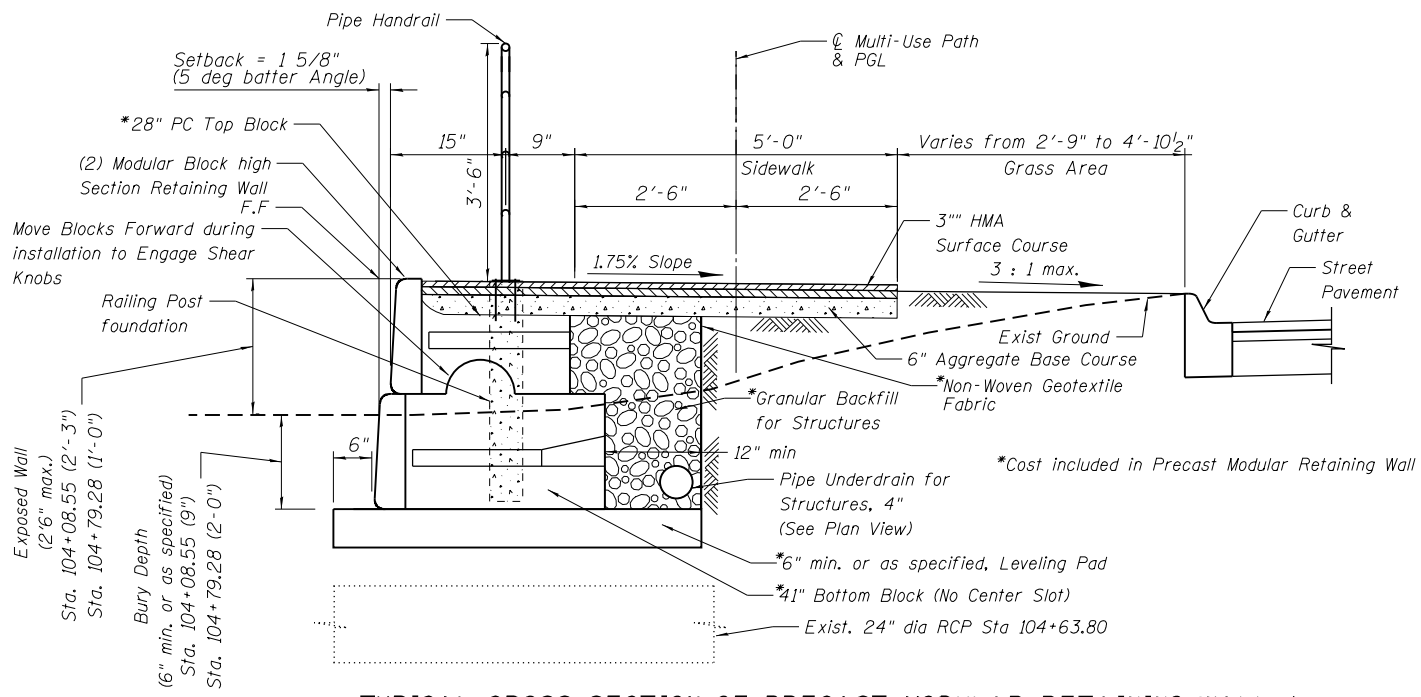
TYPICAL CROSS SECTION OF PRECAST MODULAR RETAINING WALL - 3
 Sta. 1141+69.92 to Sta. 1142+45.95

Note:
 Four block section shown. Three block section similar.



TYPICAL CROSS SECTION OF PRECAST MODULAR RETAINING WALL - 4
 From Sta 1011+26.81 To Sta 1011+71.01

Note:
 Two block section shown. Three block section similar.



TYPICAL CROSS SECTION OF PRECAST MODULAR RETAINING WALL - 1
 From Sta 104+08.55 To Sta 104+79.28

RETAINING WALL 1,3,4, AND EXISTING: BILL OF MATERIALS

PAY ITEM DESCRIPTION	UNIT	WALL 1	WALL 3	WALL 4	EXISTING	TOTAL
***Precast Modular Retaining Wall	SQ FT	214	416	168	-	798
Structural Excavation	CU YD	34	98	42	-	174
**Pipe Handrail	FOOT	72	77	-	557	706
Pipe Underdrain for Structures, 4"	FOOT	82	91	56	-	229

**Pipe Handrail Post Foundation Cost Included in Pipe Handrail Pay Item
 *** Precast Modular Retaining Wall quantity based on 6" minimum theoretical top of leveling pad to finished grade line at front face of wall.

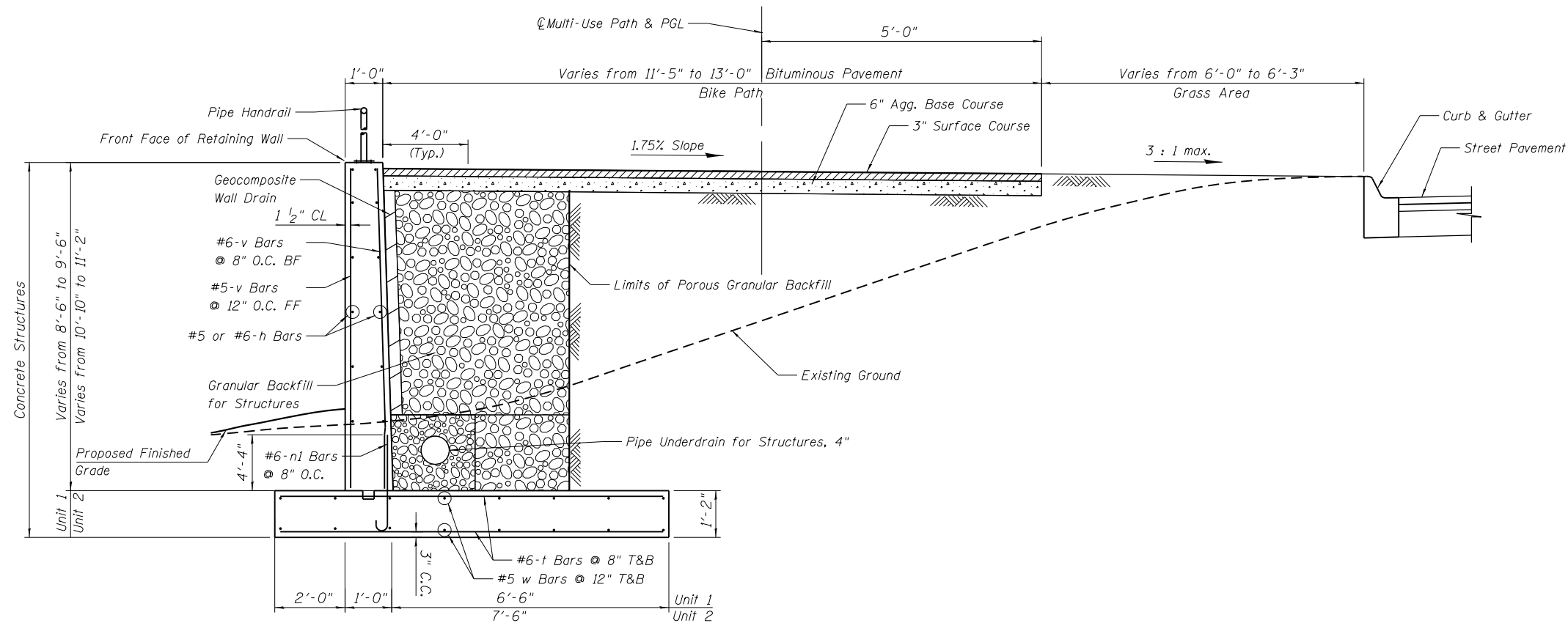
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	CHECKED - AJ5	REVISD -

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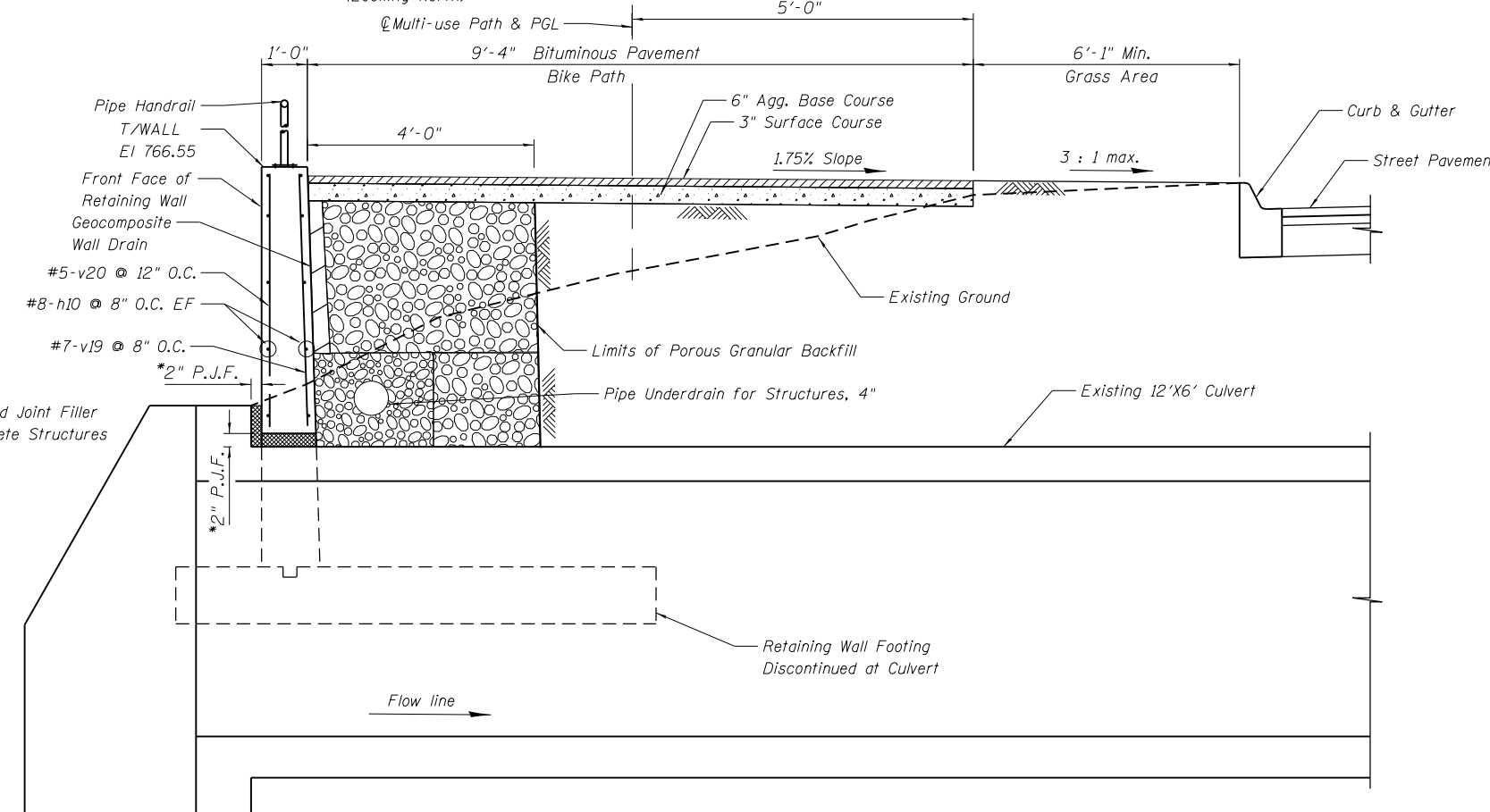
**Precast Modular
 Retaining Wall Sections**
 SHEET 5 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F 74			ILLINOIS FED. AID PROJECT	



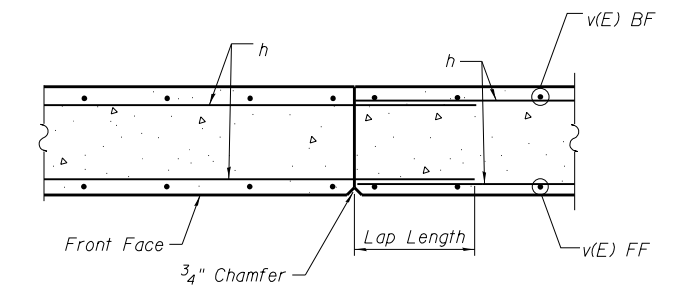
TYPICAL CROSS SECTION OF RETAINING WALL 2

(Looking North)

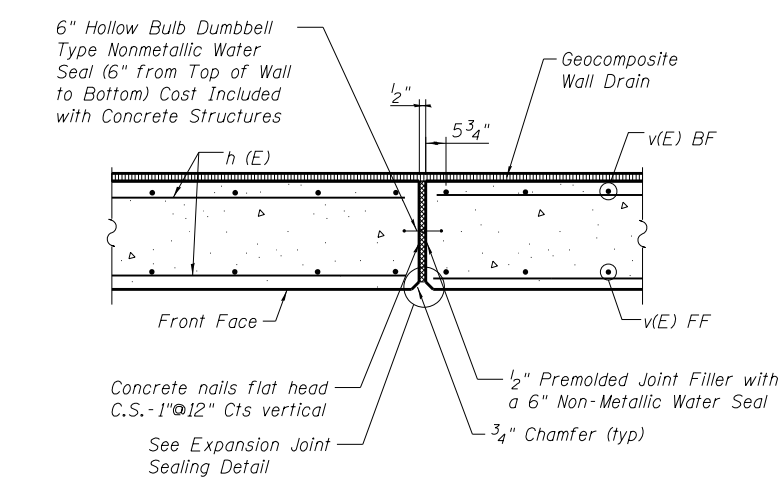


CROSS SECTION AT CULVERT CROSSING

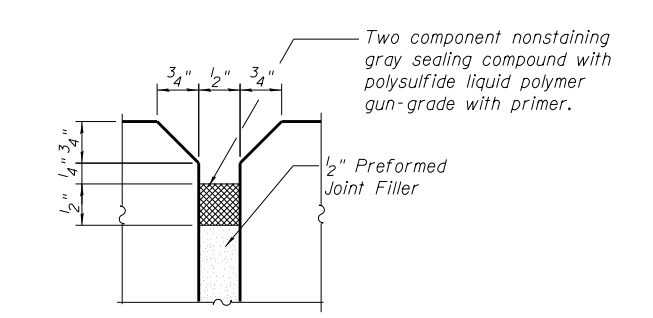
(Looking North)



WALL CONSTRUCTION JOINT DETAIL



WALL EXPANSION JOINT DETAIL



EXPANSION JOINT SEALING DETAIL

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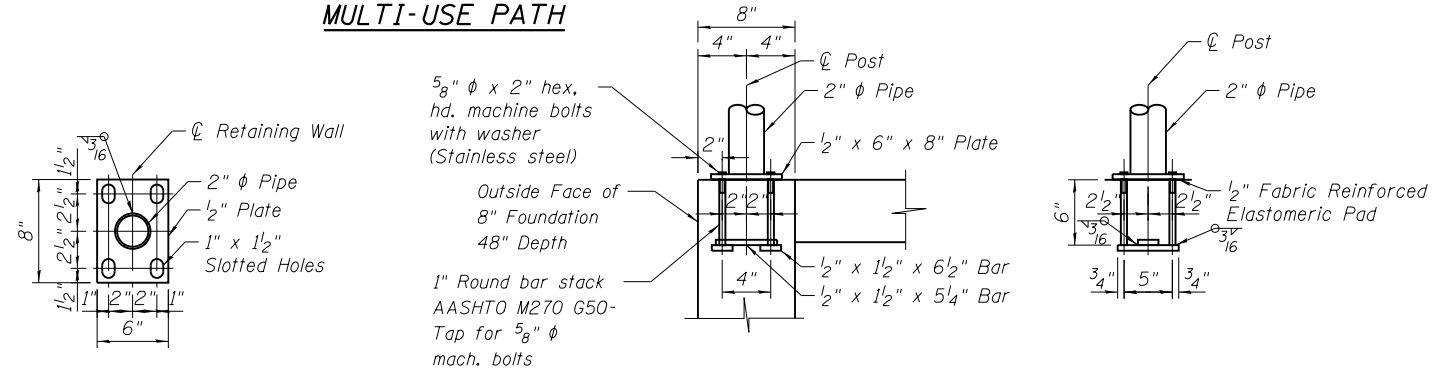
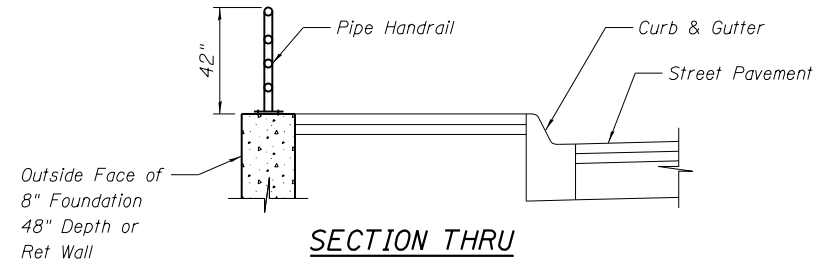
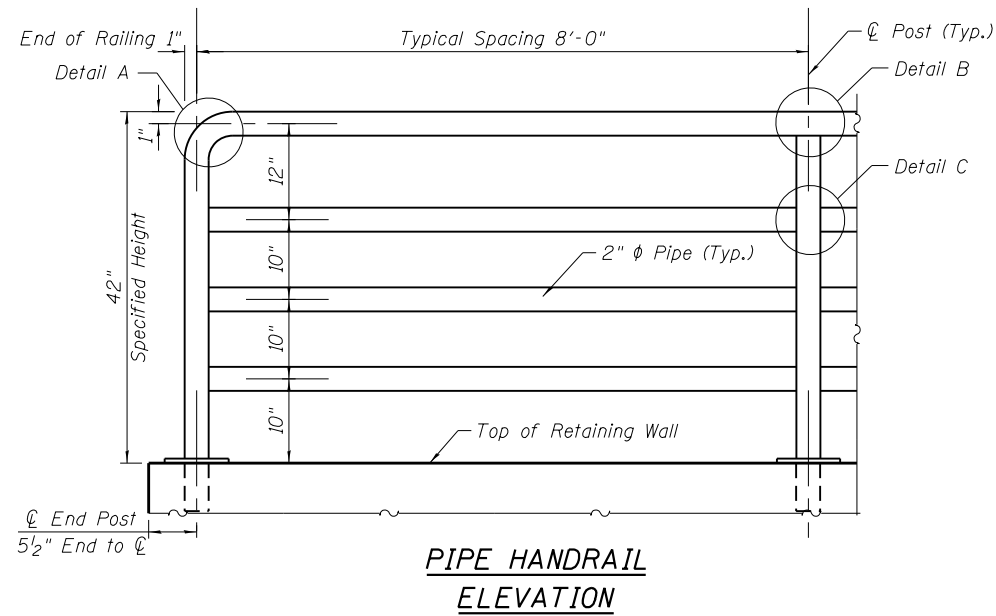
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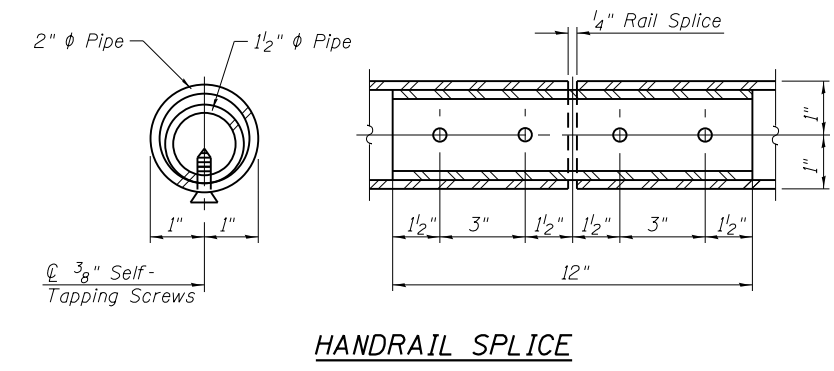
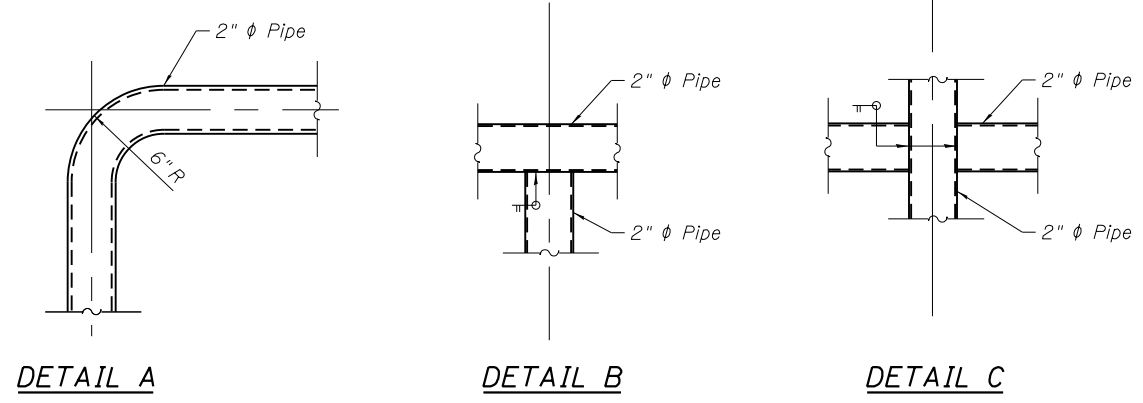
RETAINING WALL-2 SECTIONS

SHEET 6 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	134
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				



In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" φ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



NOTES:

- Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for PIPE HANDRAIL.
- Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
- All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
- All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.
- Vent holes for galvanized shall be placed in posts and rails at locations that will not allow the accumulation of moisture in the members.
- All posts, rails, base plates and all components shall be cleaned and powder coated (electrostatically applied), in accordance with Article 1006.29(b)(5) of the Standard Specifications except as noted in the Special Provisions.
- Post foundations shall be 8" diameter and 48" deep concrete set in a smooth round form. Locations shall be determined in accordance with Precast Modular Retaining Wall manufacturer's requirements, or in the field by the Contractor and approved by the Engineer.

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PIPE HANDRAIL DETAILS

SHEET 7 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	135
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				



wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-01

WEI Job No.: 790-71-01

Client: **TranSystems**
Project: **CH23 (N. Gary Avenue) Retaining Wall**
Location: **Section 11-00237-11BT, DuPage County, IL**

Datum: NAVD 1988
Elevation: 753.32 ft
North: 1919977.11 ft
East: 1042595.66 ft
Station: TBD
Offset: TBD

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	753.0	0.4-inch thick, black SILTY LOAM --TOPSOIL-- Medium stiff to stiff, brown and gray SILTY CLAY, trace gravel --L _i (%)=60, P _i (%)=15-- --%Gravel=0.7-- --%Sand=7.3-- --%Silt=59.3-- --%Clay=32.7--	0		1	1 2 3	0.82 B	30		727.8	Gray SILTY LOAM	0					
	747.8	Very stiff, gray SILTY CLAY, trace gravel	5		2	2 3 3	1.48 B	25		726.8	Dense, gray SANDY GRAVEL	5		11	7 14 17	NP	17
	746.1	Dense, brown and gray LOAM, little to some gravel	10		3	4 8 9	3.03 B	20		725.3	Very stiff, gray SILTY CLAY LOAM, trace to little gravel	10		12	10 10 9	3.00 P	11
	742.8	Dense, brown, medium SAND, trace to little gravel	15		4	7 15 15	NP	18		718.6	Gray, medium SAND, trace gravel	15		13	5 10 21	2.87 B	16
	739.3	Dense to very dense, brown and gray SANDY GRAVEL	20		5	5 15 15	NP	25		715.3	Dense, gray SANDY LOAM, little gravel	20		14	10 25 18	NP	16
	734.3	Very dense, brown GRAVEL	25		6	14 18 13	NP	7		711.3	Very stiff, gray SILTY CLAY LOAM to SILTY LOAM, little gravel	25		15	4 9 7	3.25 P	16
	732.8	Medium stiff, gray SILTY CLAY to CLAY LOAM, trace gravel	30		7	47 38 26	NP	8		708.3	Boring terminated at 45.00 ft	30					
	730.3	Stiff, gray CLAY LOAM, trace gravel	35		8	32 30 22	NP	3				35					
			40		9	5 4 5	0.66 B	22				40					
			45		10	5 6 8	1.80 B	22				45					

GENERAL NOTES

Begin Drilling: **06-10-2013** Complete Drilling: **06-10-2013**
Drilling Contractor: **WTS** Drill Rig: **D-25 ATV**
Driller: **P&N** Logger: **A. Happel** Checked by: **M. Seyhun**
Drilling Method: **2.25-inch IDA HSA, auto hammer, boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **7.75 ft**
At Completion of Drilling: **7.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG HA-01

WEI Job No.: 790-71-01

Client: **TranSystems**
Project: **CH23 (N. Gary Avenue) Retaining Wall**
Location: **Section 11-00237-11BT, DuPage County, IL**

Datum: NAVD 1988
Elevation: 764.60 ft
North: 1919987.52 ft
East: 1042617.96 ft
Station: TBD
Offset: TBD

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	762.4	Very stiff, dark brown SILTY CLAY LOAM, trace gravel and roots	0		1	PUSH	2.50 P	25		727.8	Gray SILTY LOAM	0					
	761.6	Crushed ASPHALT and GRAVEL	5		2	PUSH	2.00 P	17		726.8	Dense, gray SANDY GRAVEL	5		11	7 14 17	NP	17
	754.8	Medium stiff to very stiff, brown and gray SILTY CLAY, trace to little gravel	10		3	PUSH	0.75 P	21		725.3	Very stiff, gray SILTY CLAY LOAM, trace to little gravel	10		12	10 10 9	3.00 P	11
	754.3	Brown, coarse SAND, some gravel	15		4	PUSH	1.00 P	20		718.6	Gray, medium SAND, trace gravel	15		13	5 10 21	2.87 B	16
	752.6	Medium stiff, brown and gray SILTY CLAY, trace gravel	20		5	PUSH	1.00 P	21		715.3	Dense, gray SANDY LOAM, little gravel	20		14	10 25 18	NP	16
		Boring terminated at 12.00 ft	25		6	PUSH	0.75 P	20		711.3	Very stiff, gray SILTY CLAY LOAM to SILTY LOAM, little gravel	25		15	4 9 7	3.25 P	16

GENERAL NOTES

Begin Drilling: **06-21-2013** Complete Drilling: **06-21-2013**
Drilling Contractor: **WEI** Drill Rig: **Geoprobe**
Driller: **BW** Logger: **B. Wilson** Checked by: **M. Seyhun**
Drilling Method: **2' continuous, Jackhammer driven Geoprobe**

WATER LEVEL DATA

While Drilling: **Dry**
At Completion of Drilling: **Dry**
Time After Drilling: **NA**
Depth to Water: **NA**
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

MODEL: Default
FILE NAME: S:\JOL\38000--3899\Drawings\CADD\Miscos\CADD_Sheets\08-0068-sht-Soil Boring_Logs.dgn
11/7/2019 1:09:04 PM



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =	DESIGNED - DWK	REVISED -
PLOT SCALE =	CHECKED - BRL	REVISED -
PLOT DATE =	DRAWN - DJW	REVISED -
	CHECKED - AJS	REVISED -

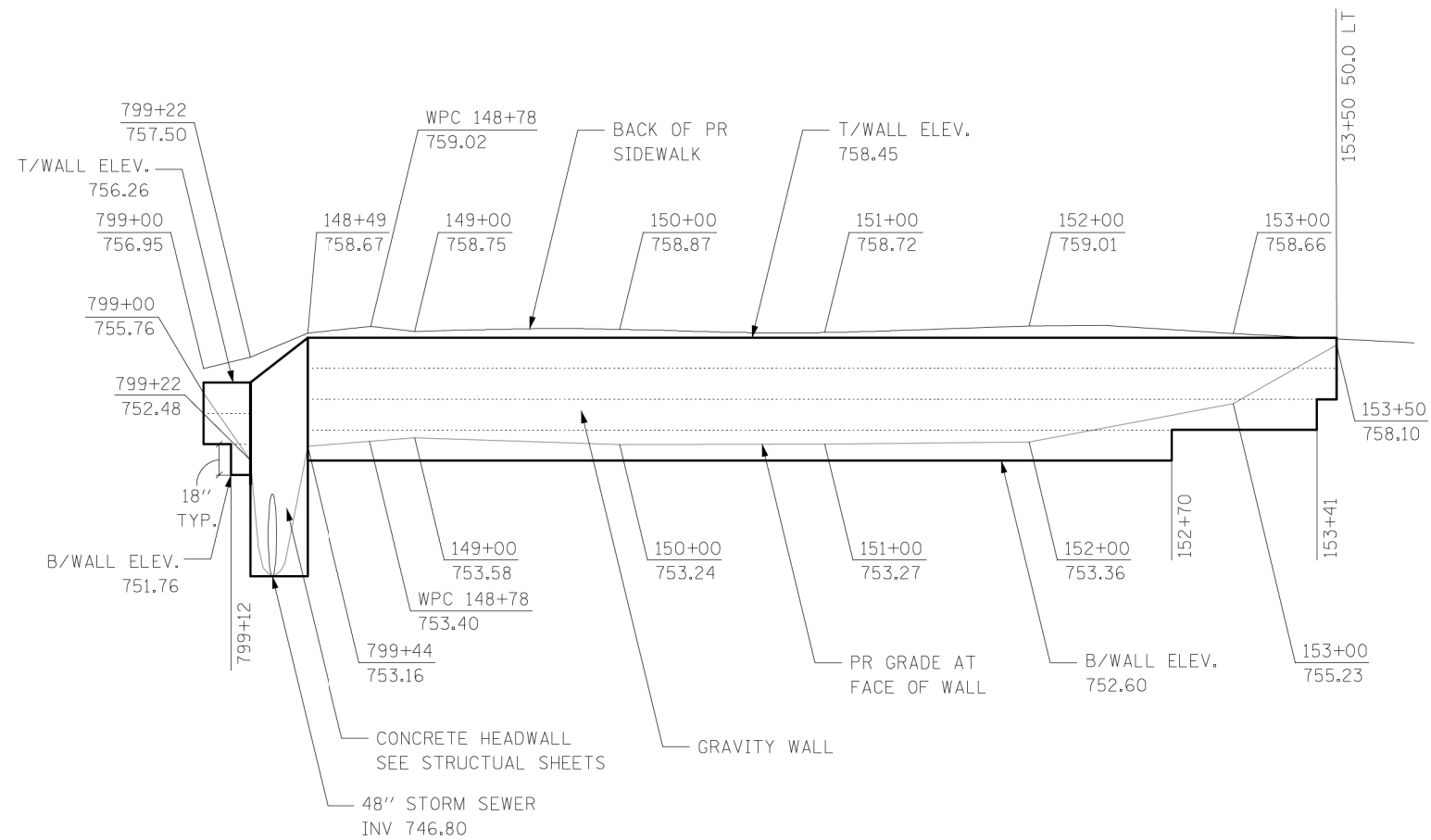
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

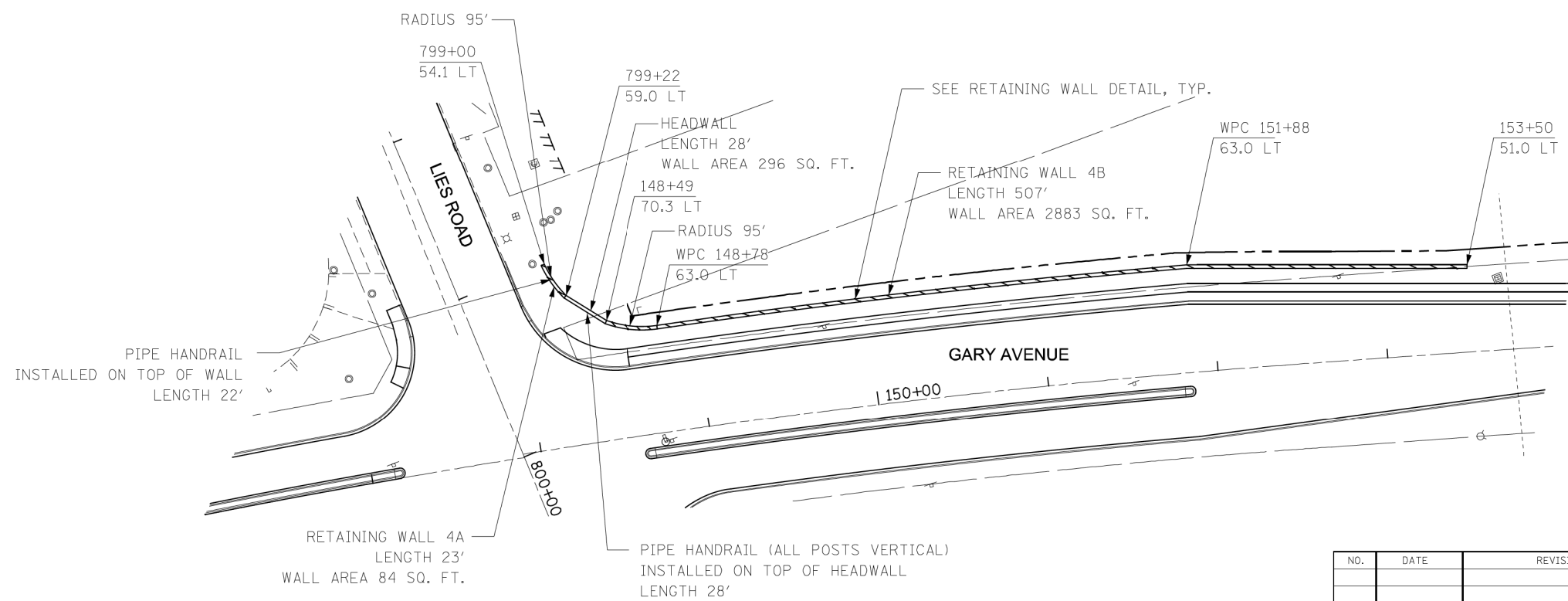
SHEET 8 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	136
CONTRACT NO. 61F74			ILLINOIS FED. AID PROJECT	

DATE	COUNTY HIGHWAY	COUNTY	TOTAL SHEETS	SHEET NO.
11-21-13	23	DUPAGE	253	250
SECTION 11-00237-10-WR				



EXISTING DRAWING
FOR REFERENCE ONLY



NO.	DATE	REVISIONS

KNIGHT
Engineers & Architects
221 N. LASALLE ST.
SUITE 300
CHICAGO, IL 60601
(312) 577-3300

DUPAGE COUNTY DIVISION OF TRANSPORTATION
RETAINING WALL 4
GARY AVENUE

MODEL: Default.dwg
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SA
STRAND
ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =	DESIGNED - DWK	REVISED -
PLOT SCALE =	CHECKED - BRL	REVISED -
PLOT DATE =	DRAWN - DJW	REVISED -
	CHECKED - AJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

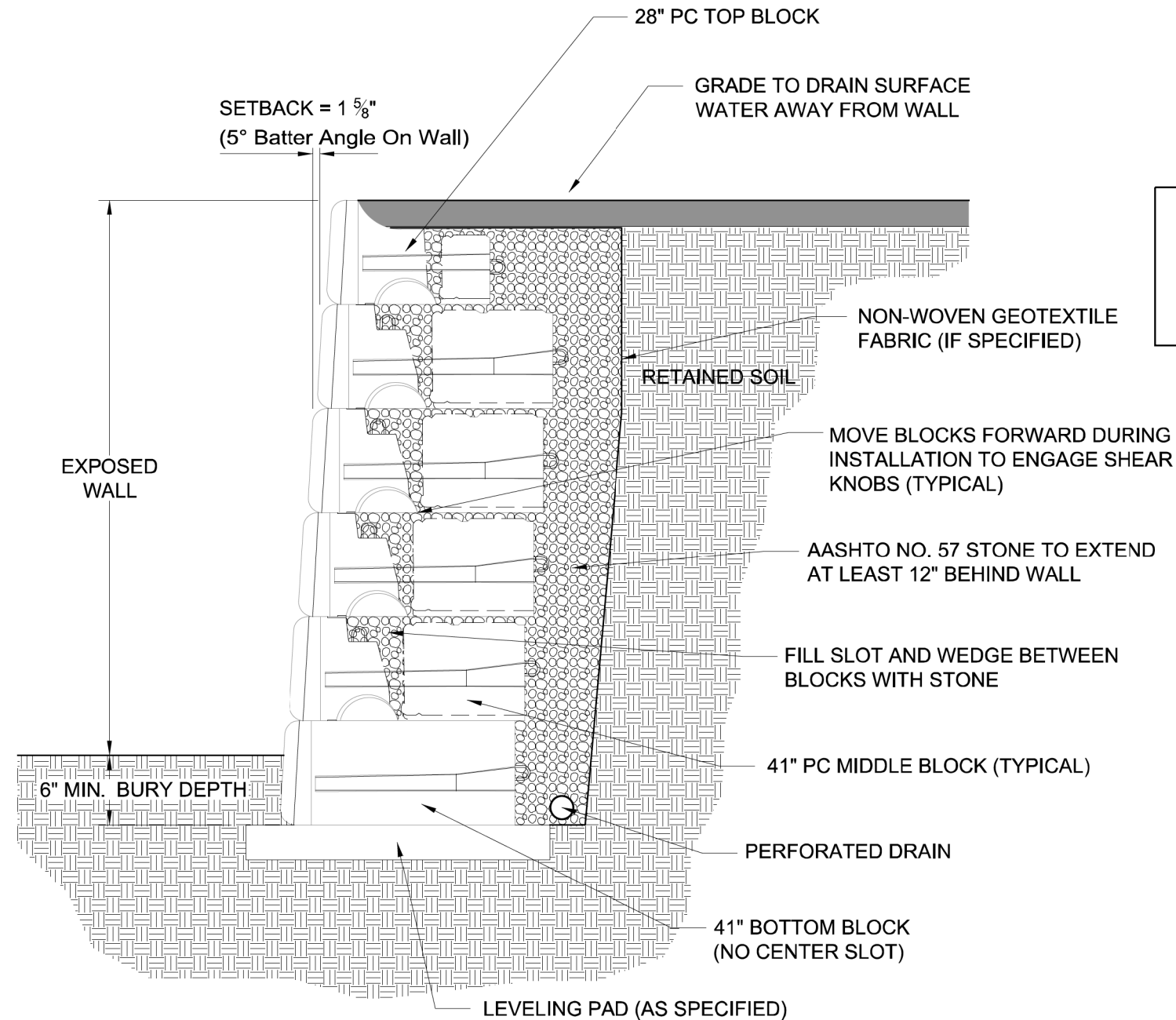
EXISTING RETAINING WALL (1 of 2)

SHEET 9 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	137
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

DATE	COUNTY HIGHWAY	COUNTY	TOTAL SHEETS	SHEET NO.
11-21-13	23	DUPAGE	253	251
SECTION 11-00237-10-WR				



EXISTING DRAWING
FOR REFERENCE ONLY

TYPICAL GRAVITY WALL WITH 41" POSITIVE CONNECTION (PC) BLOCKS

NO SCALE

KNIGHT
Engineers & Architects
221 N. LASALLE ST.
SUITE 300
CHICAGO, IL 60601
(312) 577-3300

DUPAGE COUNTY DIVISION OF TRANSPORTATION
RETAINING WALL DETAIL
GARY AVENUE

NO.	DATE	REVISIONS

MODEL: Default
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SA
STRAND
ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =	DESIGNED - DWK	REVISED -
	CHECKED - BRL	REVISED -
PLOT SCALE =	DRAWN - DJW	REVISED -
PLOT DATE =	CHECKED - AJS	REVISED -

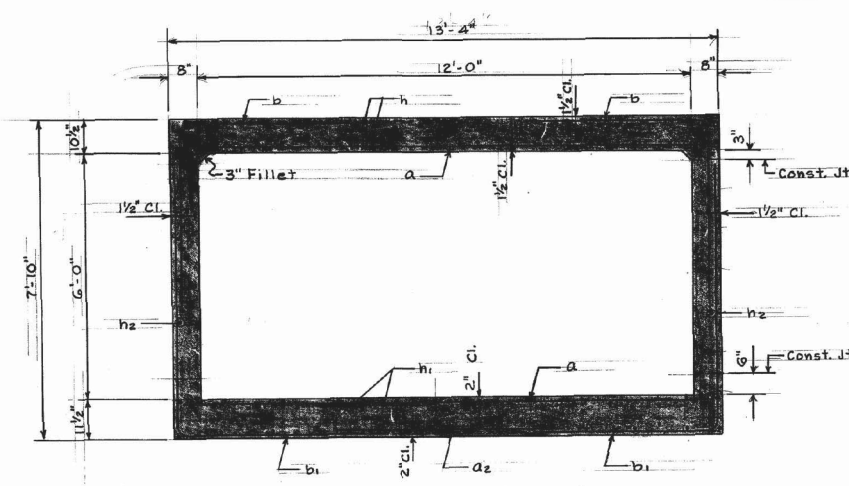
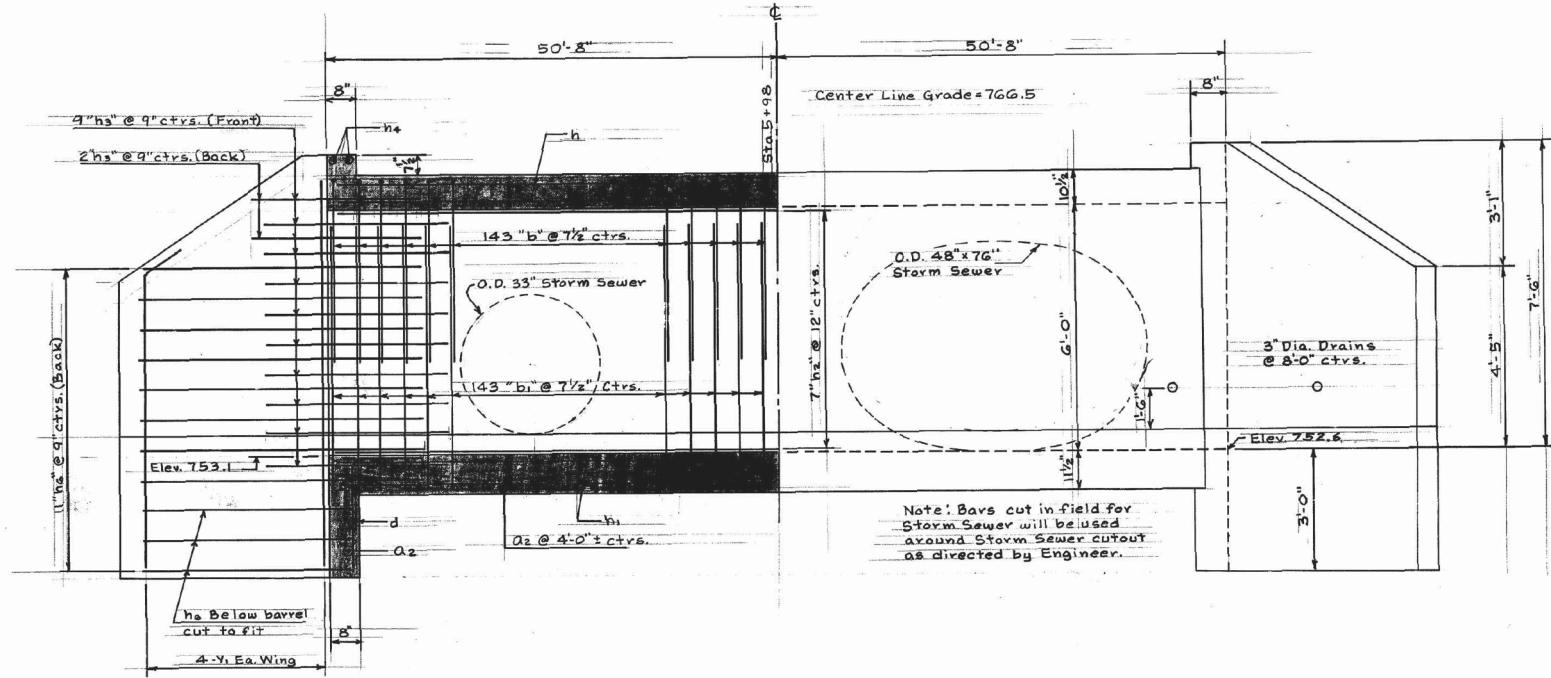
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL (2 OF 2)

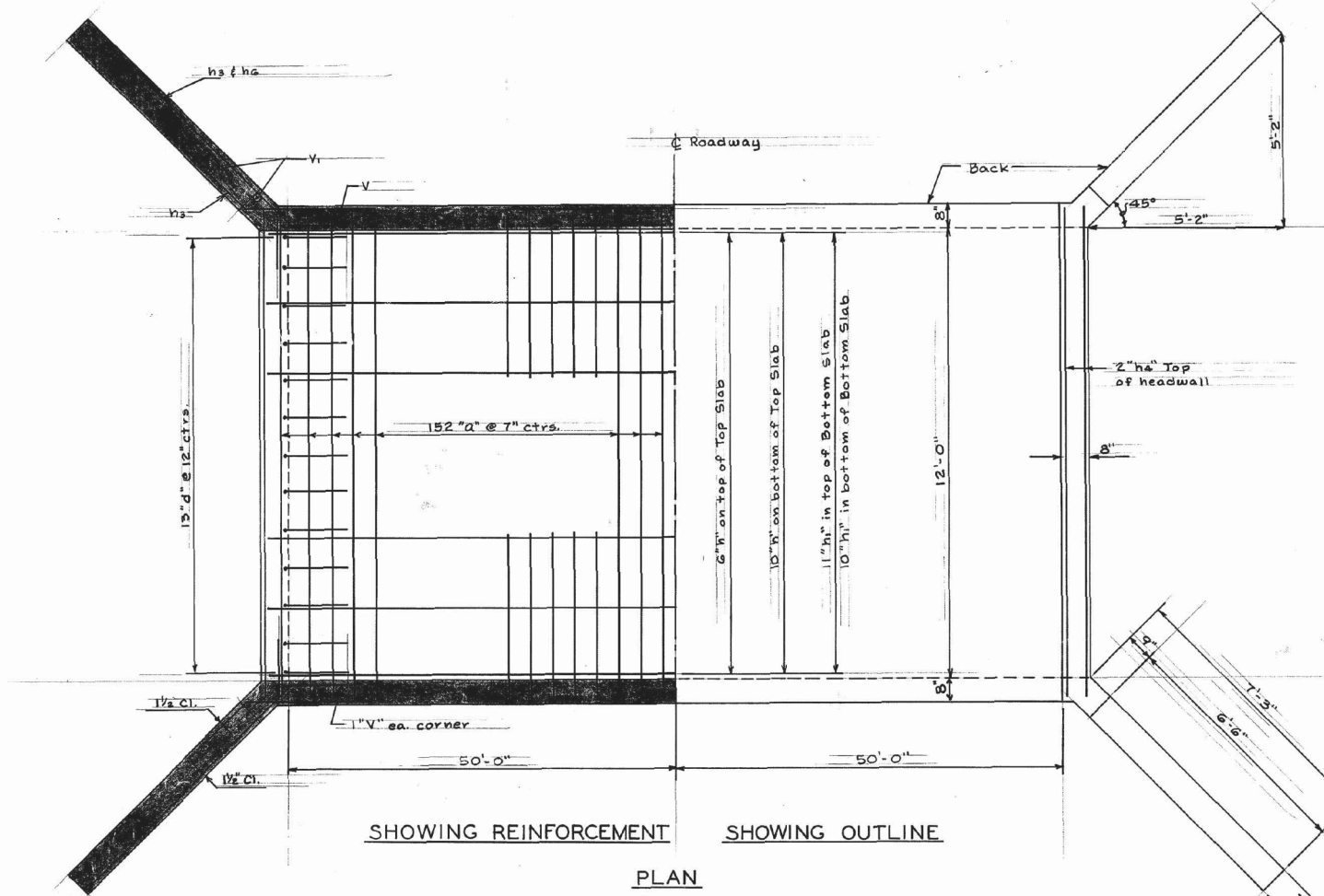
SHEET 10 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

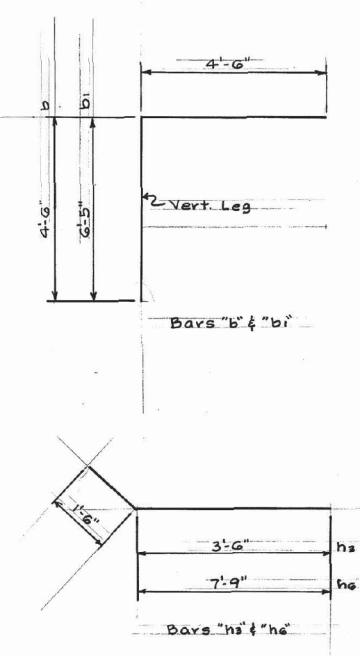
COUNTY	FISCAL YEAR	TOTAL SHEETS	SHEET NO.
23	1980	35	4
SEC. 90-00237-01-FP		DU PAGE COUNTY	



HALF LONG SECTION HALF ELEVATION



SHOWING REINFORCEMENT SHOWING OUTLINE
PLAN



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	329	#8	13'-0"
a ₂	28	#4	5'-6"
b	307	#6	9'-0"
b _i	307	#6	10'-11"
d	13	#4	4'-6"
h	16	#7	10'-1"
h _i	21	#5	10'-1"
h ₂	14	#5	10'-1"
h ₃	44	#7	5'-0"
h _a	4	#6	13'-1"
h _b	44	#7	9'-3"
V	4	#4	7'-6"
V _i	16	#4	8'-6"
Class X Concrete		Cu.Yd.	129.9
Reinforcement Bars		Lbs.	29,190

GENERAL NOTES

Class X Concrete shall be used throughout.
At least six feet of Barrel shall be poured monolithically with wingwalls.
Exposed edges shall be beveled 3/4".
For back-filling & embankments see Std. Specs.
The top of the culvert, the backs of the side-walls above the lower construction joint and the backs of the wings shall be waterproofed in accordance with Art. 51.21 of the Std. Specs.
All bars shall be lapped 20 diameters unless otherwise specified.

f_s = 20,000 p.s.i.
f_c = 1400 p.s.i. Barrel
f_c = 1200 p.s.i. Wings
V = 90 p.s.i.
n = 10
Loading H20-S16

EXISTING DRAWING FOR REFERENCE ONLY

GARY AVENUE BOX CULVERT

MODEL: Default
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11/7/2019 1:09:31 PM

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

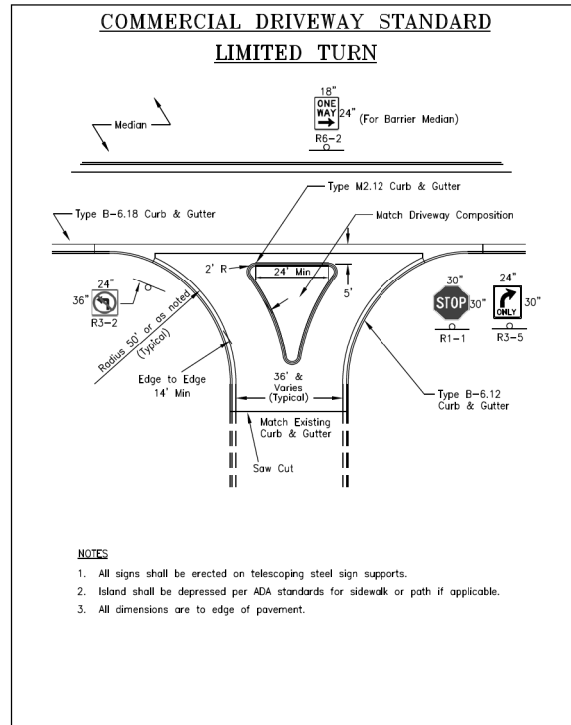
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PLOT SCALE =	CHECKED - BRL	REVISED -
PLOT DATE =	DRAWN - DJW	REVISED -
	CHECKED - AJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BOX CULVERT

SHEET 11 OF 11 SHEETS

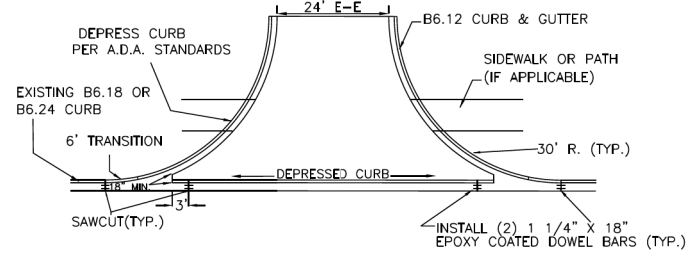
F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	139
			CONTRACT NO. 61F74	
ILLINOIS FED. AID PROJECT				



NOTES

1. All signs shall be erected on telescoping steel sign supports.
2. Island shall be depressed per ADA standards for sidewalk or path if applicable.
3. All dimensions are to edge of pavement.

1/31/2018
DuPAGE COUNTY D.O.T.

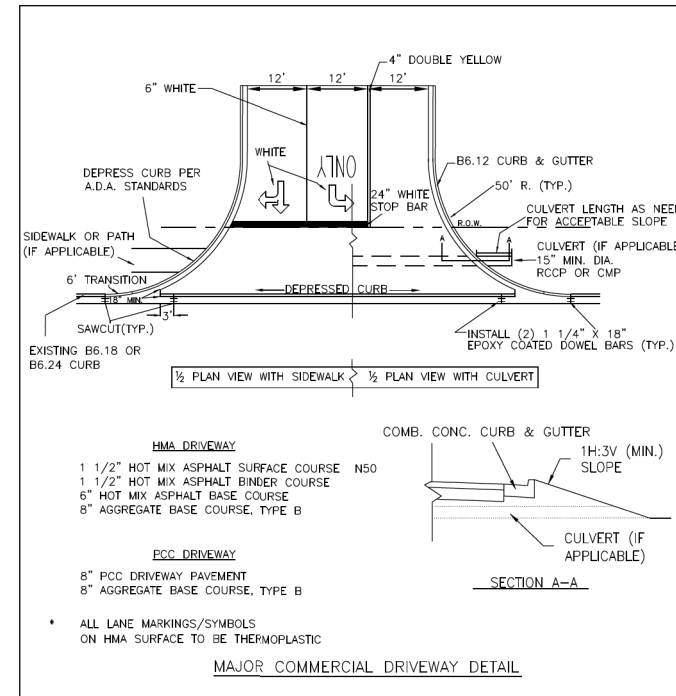


- HMA DRIVEWAY**
- 1 1/2" HOT MIX ASPHALT SURFACE COURSE N50
 - 1 1/2" HOT MIX ASPHALT BINDER COURSE
 - 6" HOT MIX ASPHALT BASE COURSE
 - 8" AGGREGATE BASE COURSE, TYPE B
- PCC DRIVEWAY**
- 8" PCC DRIVEWAY PAVEMENT
 - 8" AGGREGATE BASE COURSE, TYPE B

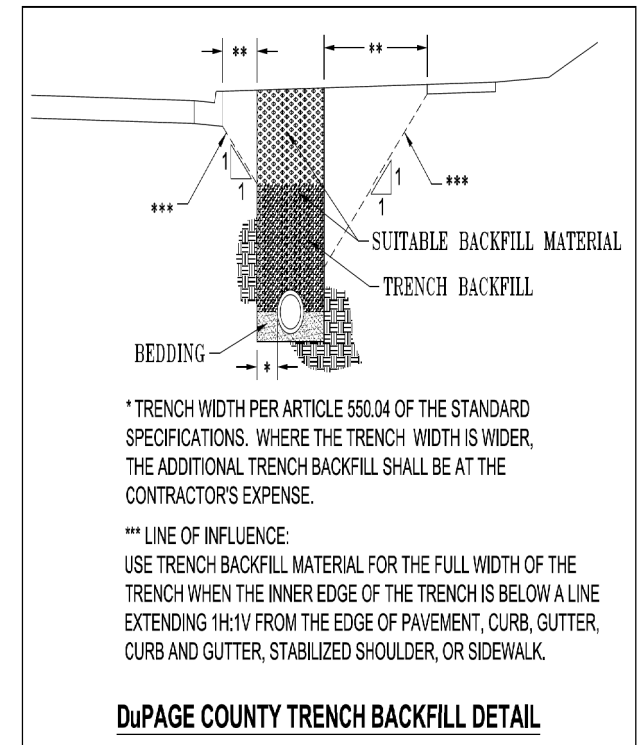
INCREASE HMA SURFACE AND BINDER THICKNESS AS NEEDED PER MIXTURE DESIGNS.

COMMERCIAL DRIVEWAY DETAIL

1/29/2018
DuPAGE COUNTY DIVISION OF TRANSPORTATION



2/13/2018
DuPAGE D.O.T.



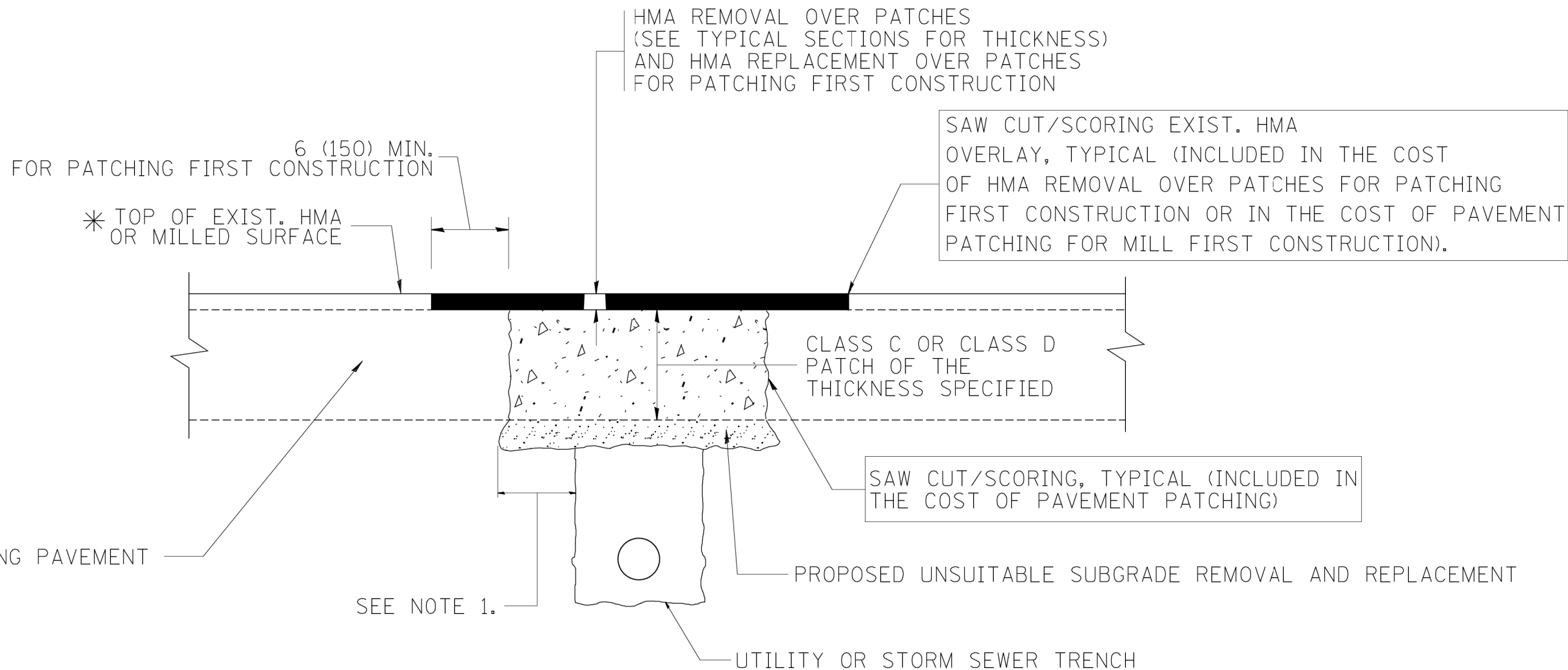
* TRENCH WIDTH PER ARTICLE 550.04 OF THE STANDARD SPECIFICATIONS. WHERE THE TRENCH WIDTH IS WIDER, THE ADDITIONAL TRENCH BACKFILL SHALL BE AT THE CONTRACTOR'S EXPENSE.

*** LINE OF INFLUENCE:
USE TRENCH BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH WHEN THE INNER EDGE OF THE TRENCH IS BELOW A LINE EXTENDING 1H:1V FROM THE EDGE OF PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER, OR SIDEWALK.

DuPAGE COUNTY TRENCH BACKFILL DETAIL

1/31/2018
DuPAGE COUNTY D.O.T.

FILE NAME = SA\JUL\38800-38931\3882\007-DuPage\CAD\Micros\CAD\Details-Courty.dgn



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = SA\JUL\38800-38991\3892\007-D-Drawings\CADD\Micros\CADD_Sheets\007-Details-01.dwg



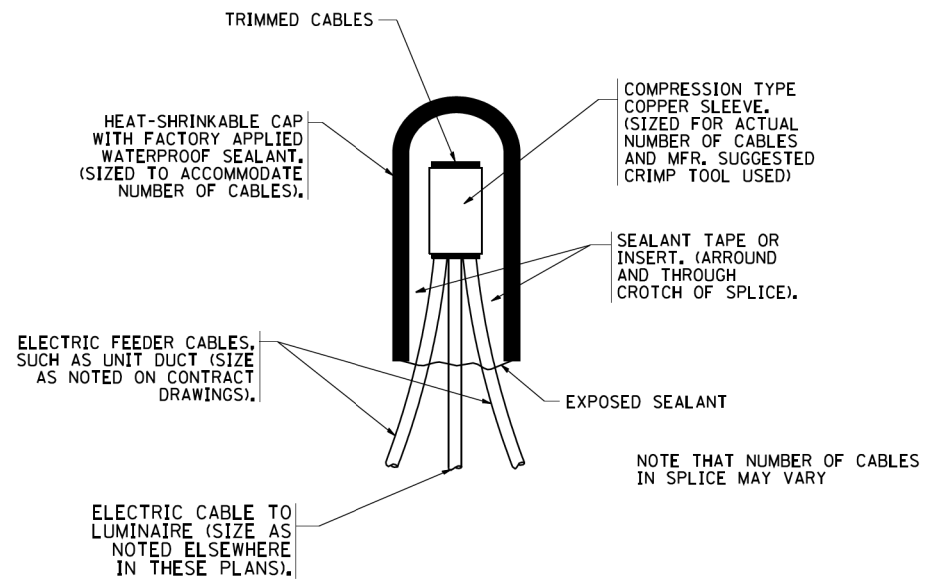
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MODEL NAME = Default	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 11/7/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

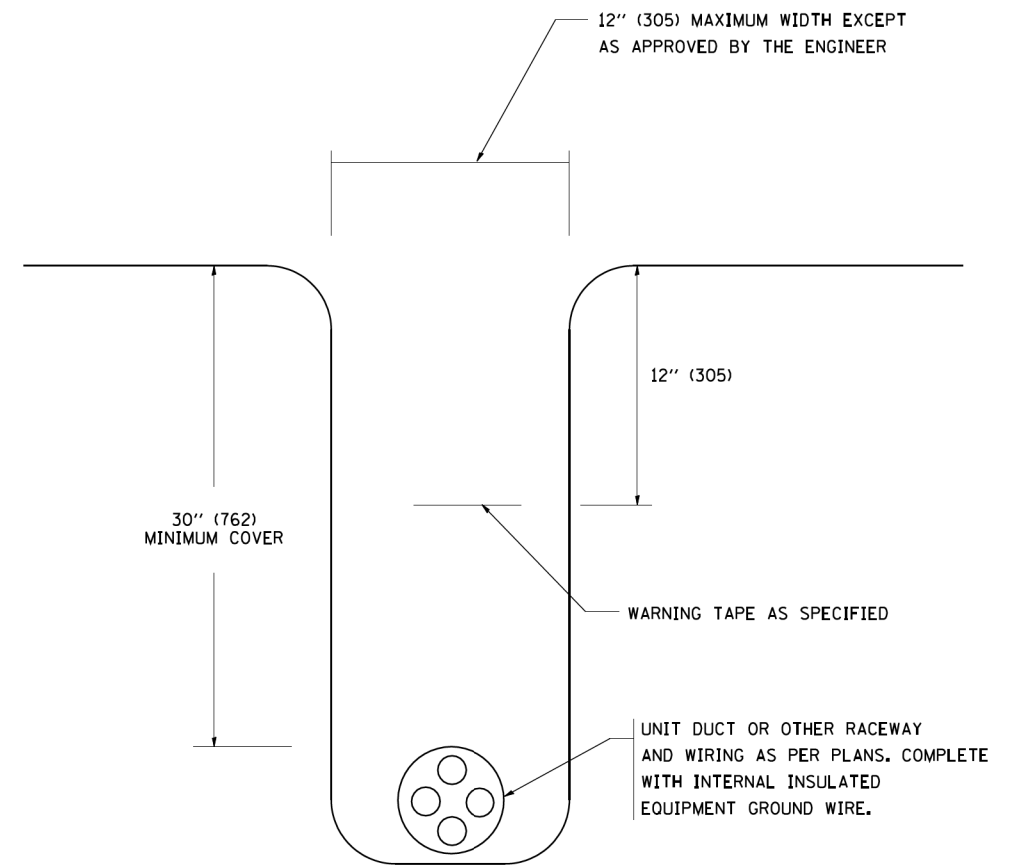
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	141
BD-22		CONTRACT NO. 61F74		
ILLINOIS FED. AID PROJECT				



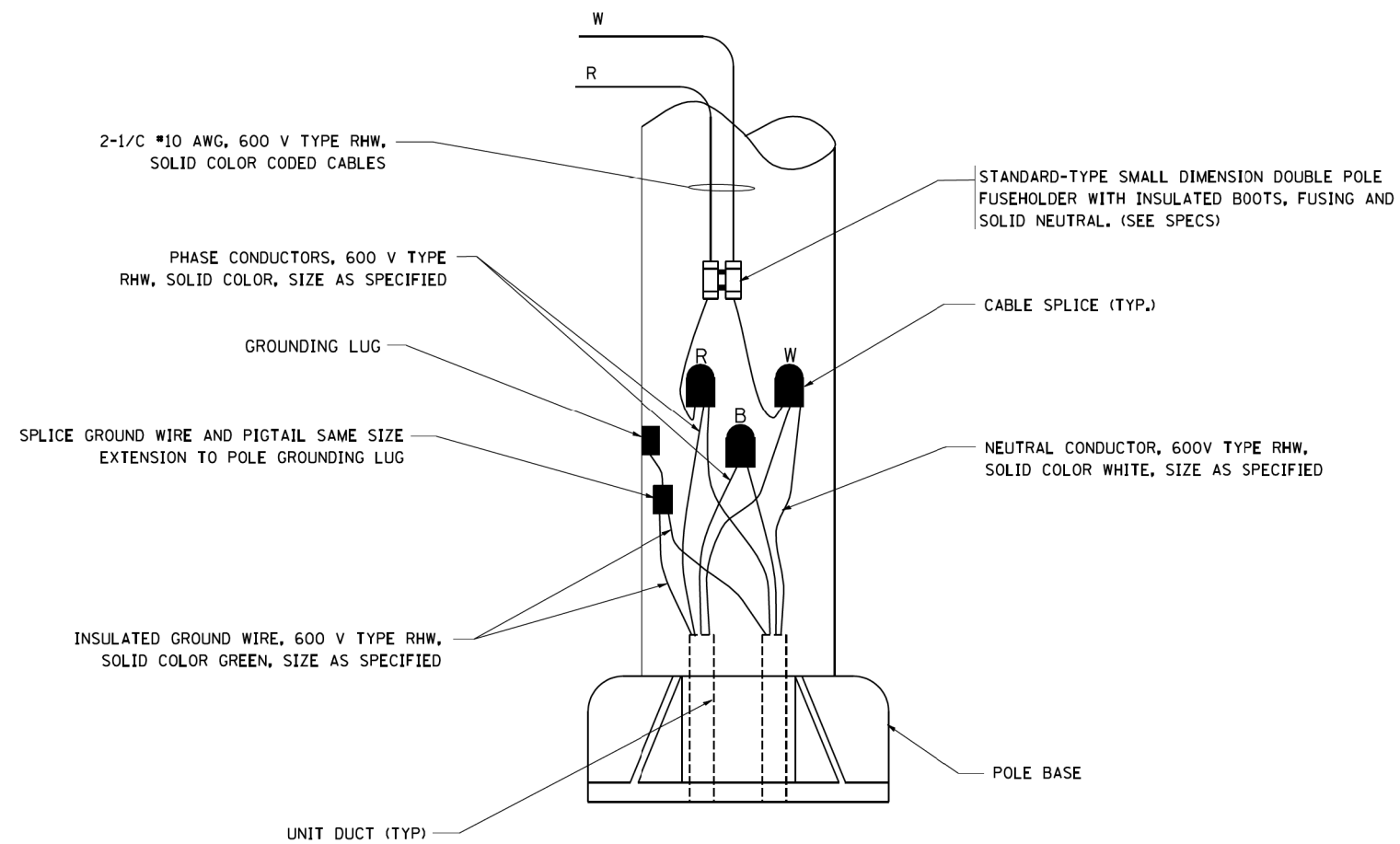
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

FILE NAME = SA\JUL\38800-38991\3892\007\Dr-wiring\CAD\Micros\CAD00_Sheets\007-Details-01.dgn



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = StevenB	DESIGNED -	REVISED - 08-08-03
	MODEL NAME = Default	DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/7/2019	DATE -	REVISED -

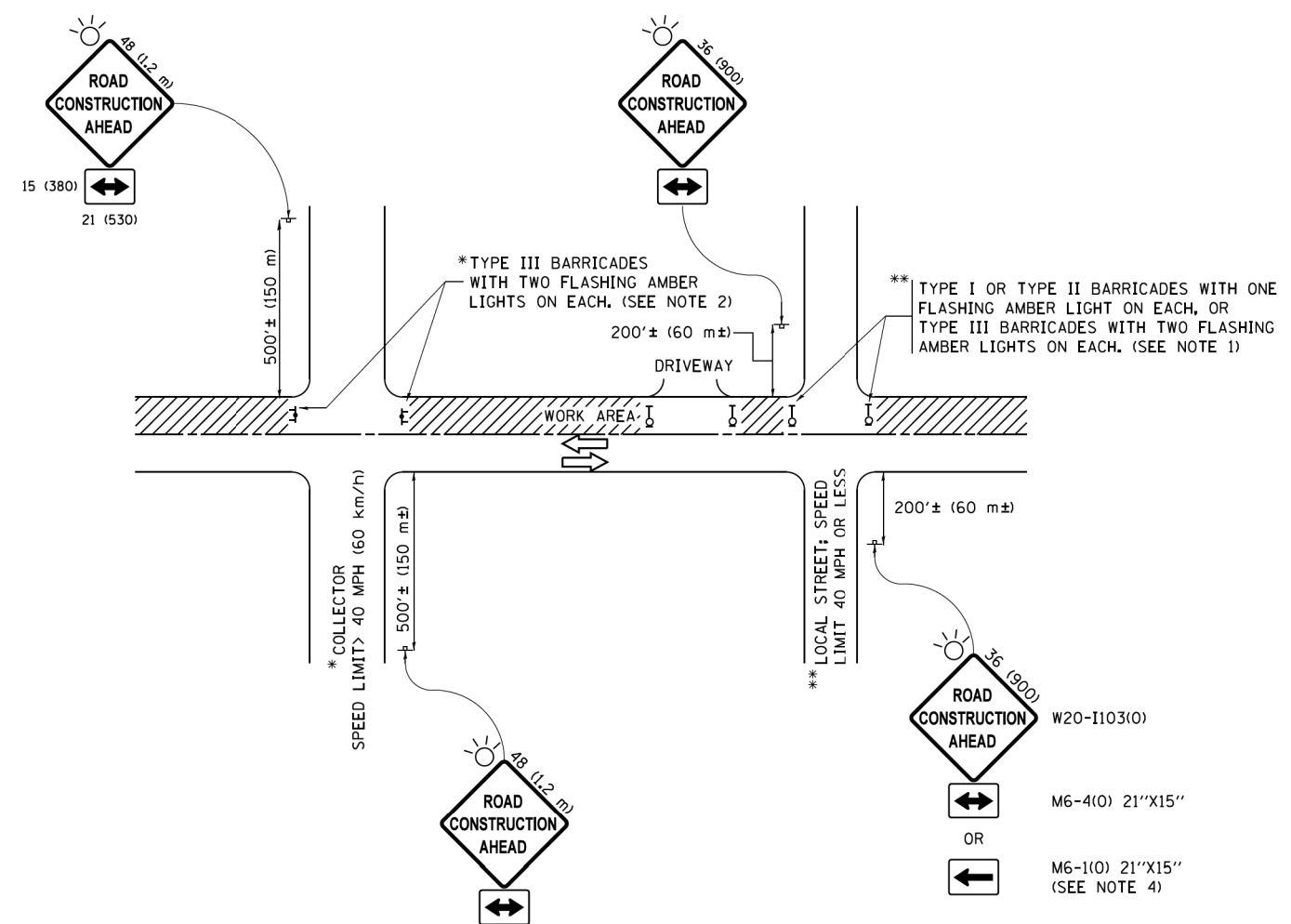
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	142
BE-702		CONTRACT NO. 61F74		
ILLINOIS FED. AID PROJECT				

FILE NAME = SA\JOL\38800-38991\3892\007\Drwg\mgs\CAD\Micros\CAD00_Sheets\007-Detail-01.dwg



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.

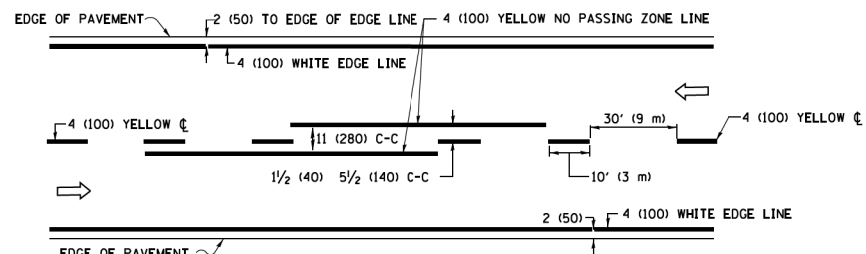
<p>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</p>	USER NAME = StevenB	DESIGNED - L.H.A	REVISED - A HOUSEH 10-15-96
	MODEL NAME = Default	DRAWN -	REVISED - T RAMMACHER 01-06-00
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 11/7/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

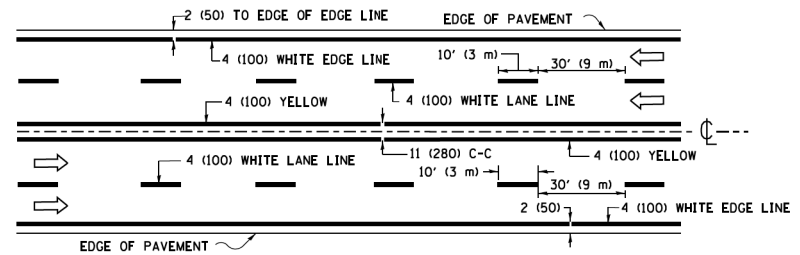
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

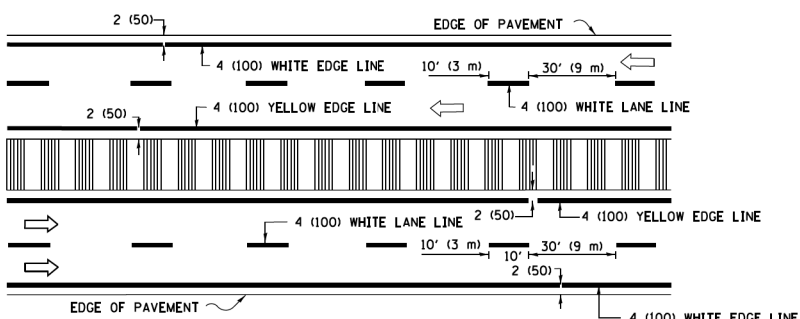
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	143
TC-10			CONTRACT NO. 61F74	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

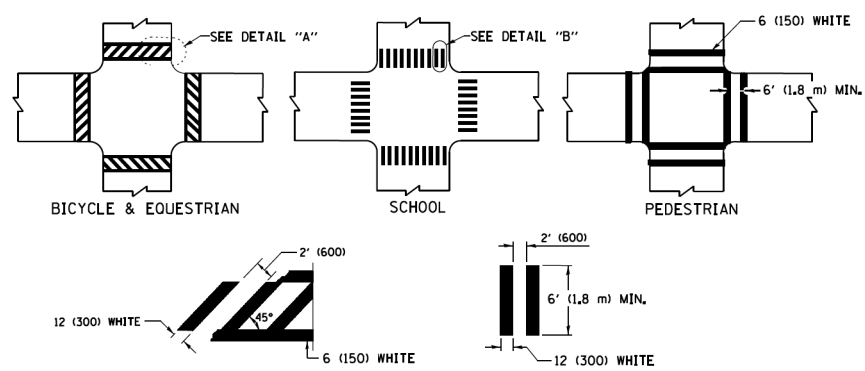


MULTI-LANE UNDIVIDED



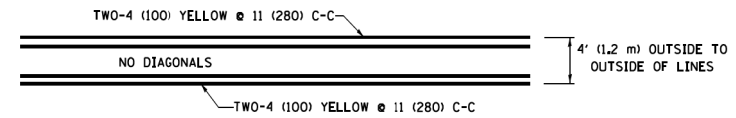
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

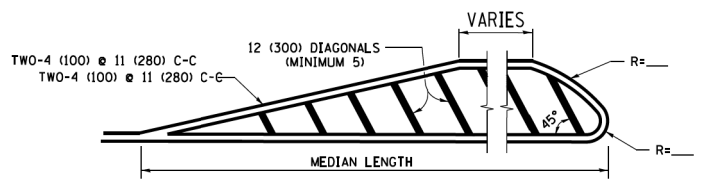


TYPICAL CROSSWALK MARKING

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

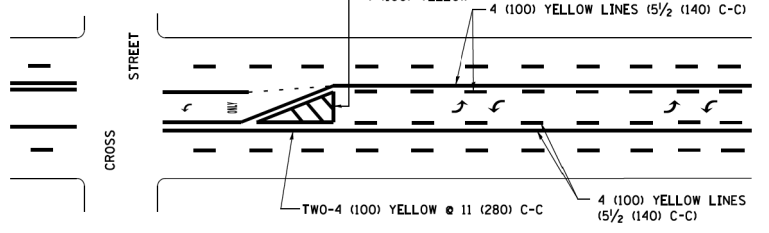


4' (1.2 m) WIDE MEDIANS ONLY



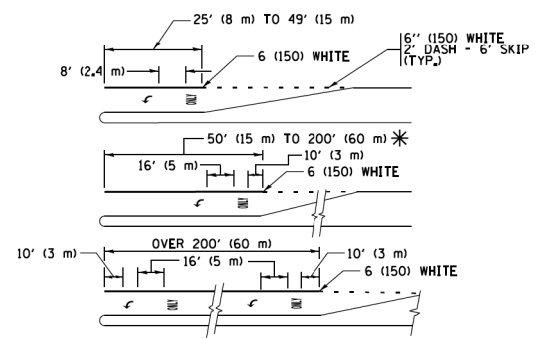
MEDIANS OVER 4' (1.2 m) WIDE

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

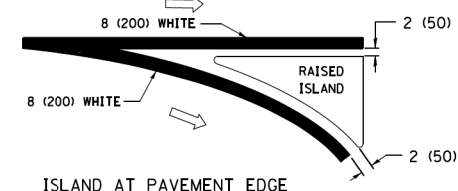
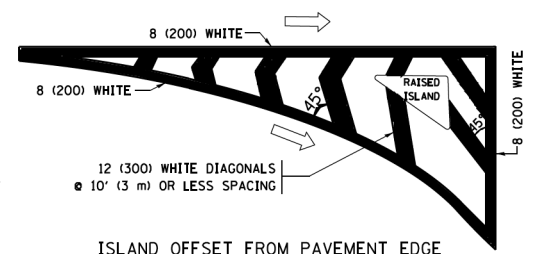


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

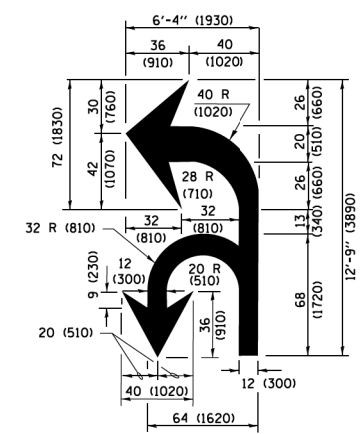
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

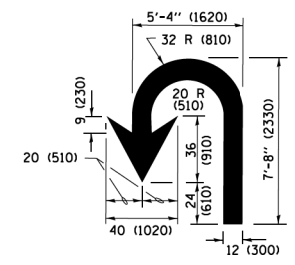
TYPICAL TURN LANE MARKING



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.
CORE 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) "X" IS 54.0 SQ. FT. (5.0 m ²) EACH
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 = SA\JUL\38800-38931\3852\007\Dr-armpg\CAD\Micros\CAD00_Sheets\007-Details-Dwg



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = StevenB MODEL NAME = Default PLOT SCALE = 40.0000' / in. PLOT DATE = 11/7/2019	DESIGNED - EVERS DRAWN - CHECKED - DATE - 03-19-90	REVISED - C. JUCIUS 09-09-09 REVISED - C. JUCIUS 07-01-13 REVISED - C. JUCIUS 12-21-15 REVISED - C. JUCIUS 04-12-16
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	144
TC-13		CONTRACT NO. 61F74		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

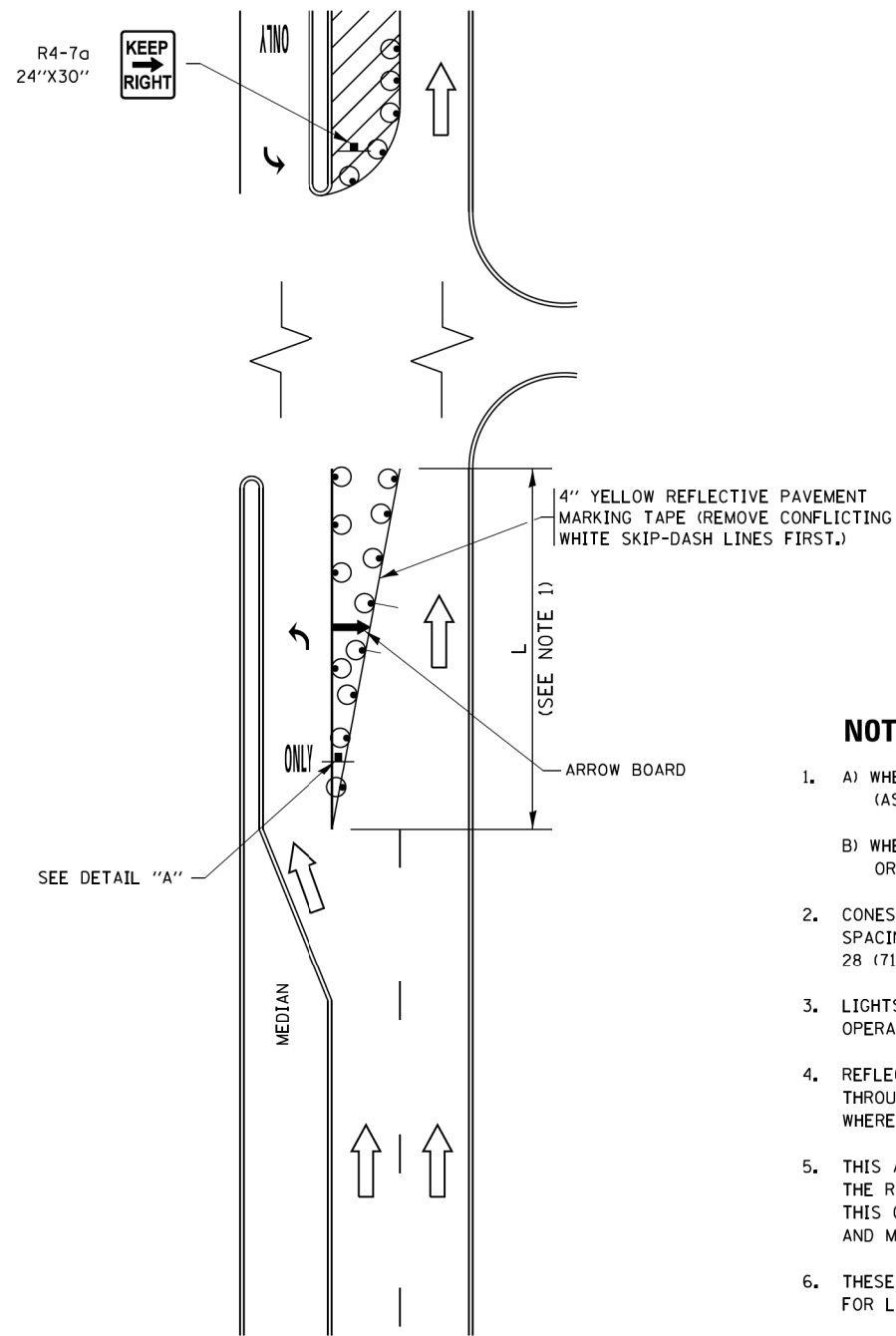


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

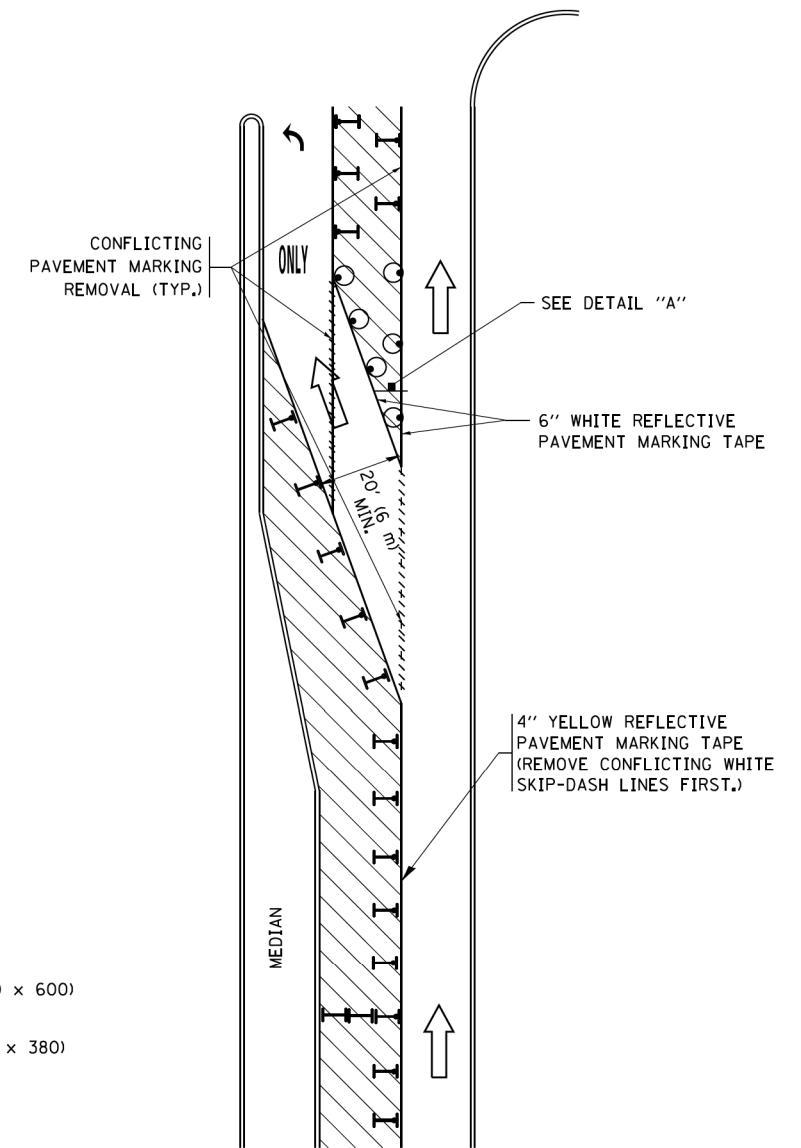
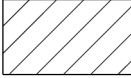








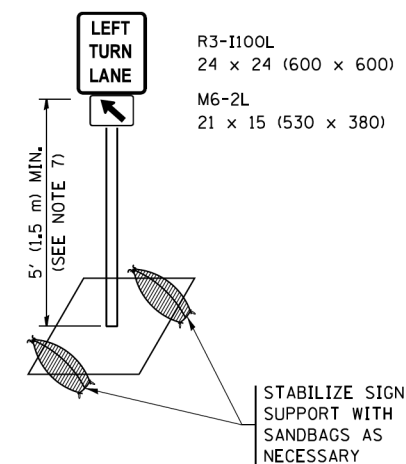
FIGURE 2

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:

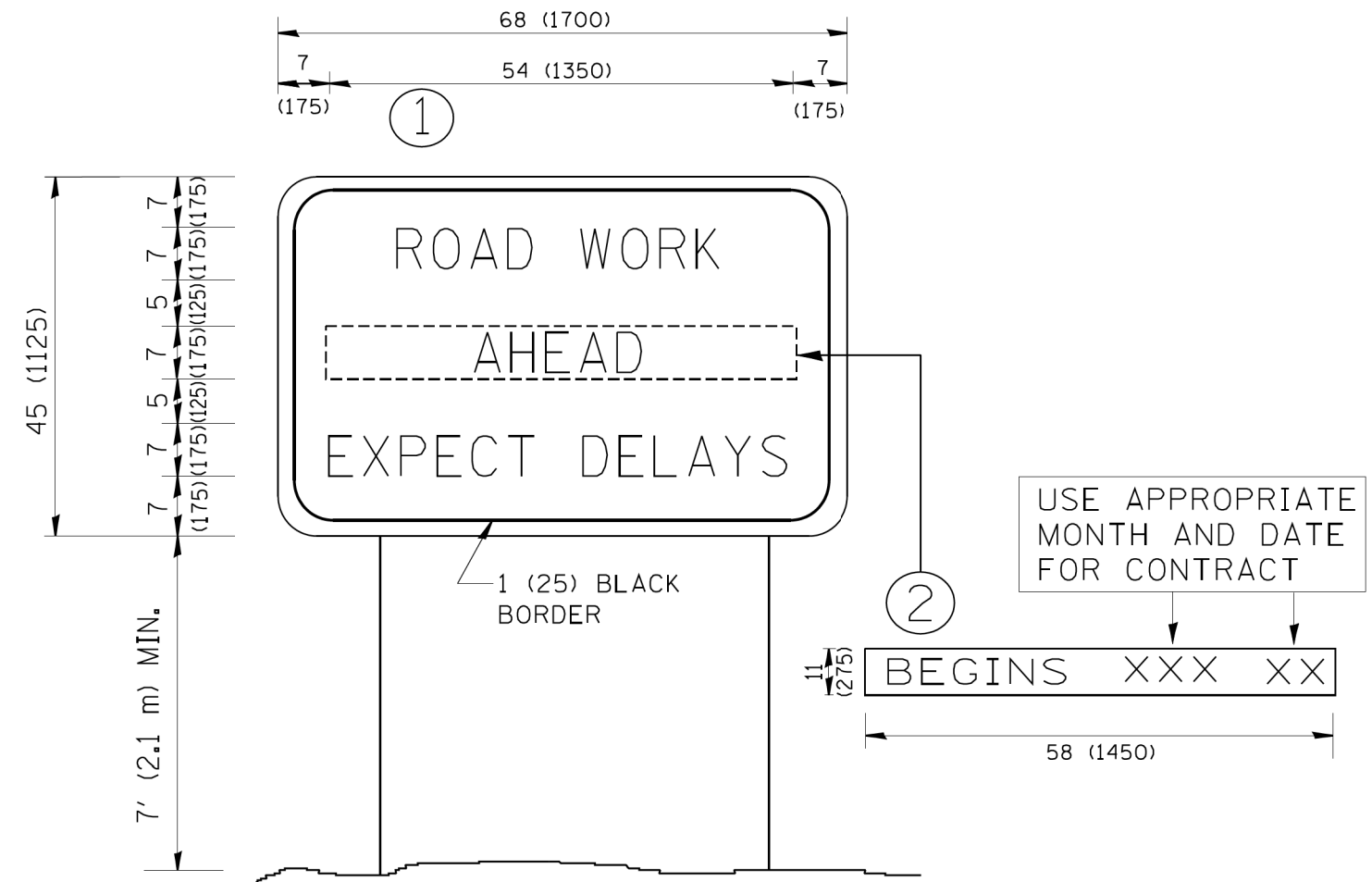
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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" R3-1100R 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 PRE REQUIREMENTS.
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 = SA\JLI_38800-38931\38931\007\Drawings\CAD\Micros\CAD00_Sheets\007-Details-01.dgn



NOTES:

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

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

FILE NAME = SA\JOL\38800-38991\3882\007\Dr-arings\CAO\Micros\007-Details-01.dgn



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = StevenB	DESIGNED -	REVISED - R. MIRS 09-15-97
	MODEL NAME = Default	DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - T RAMMACHER 02-02-99
	PLOT DATE = 11/7/2019	DATE -	REVISED - C JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

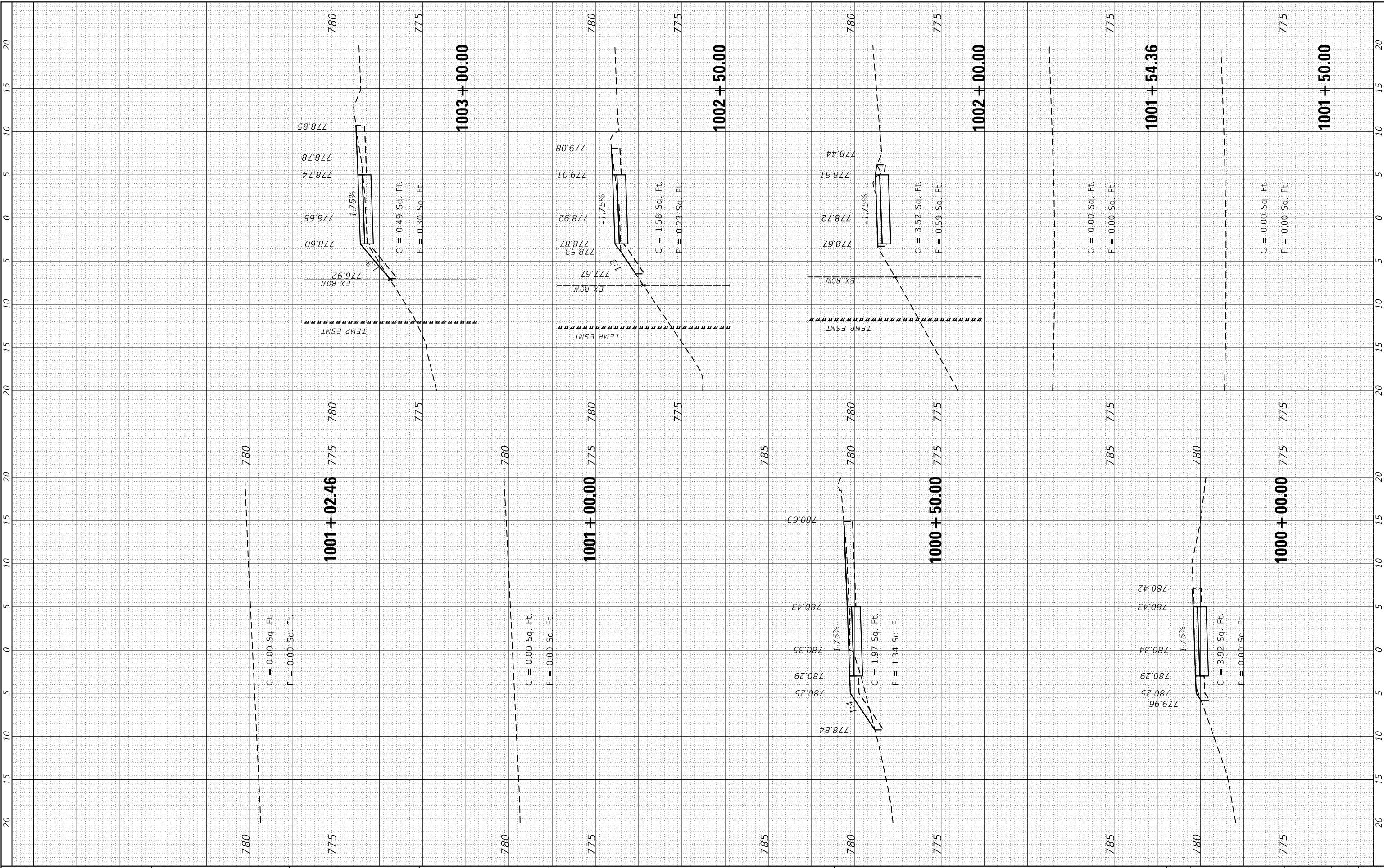
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	146
TC-22		CONTRACT NO. 61F74		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 389\3852\07\Drawings\CAD\Micros\CADD_Sheets\007\AS-CAPALLEN.dgn



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GARY AVENUE MULTI-USE PATH
CROSS SECTIONS

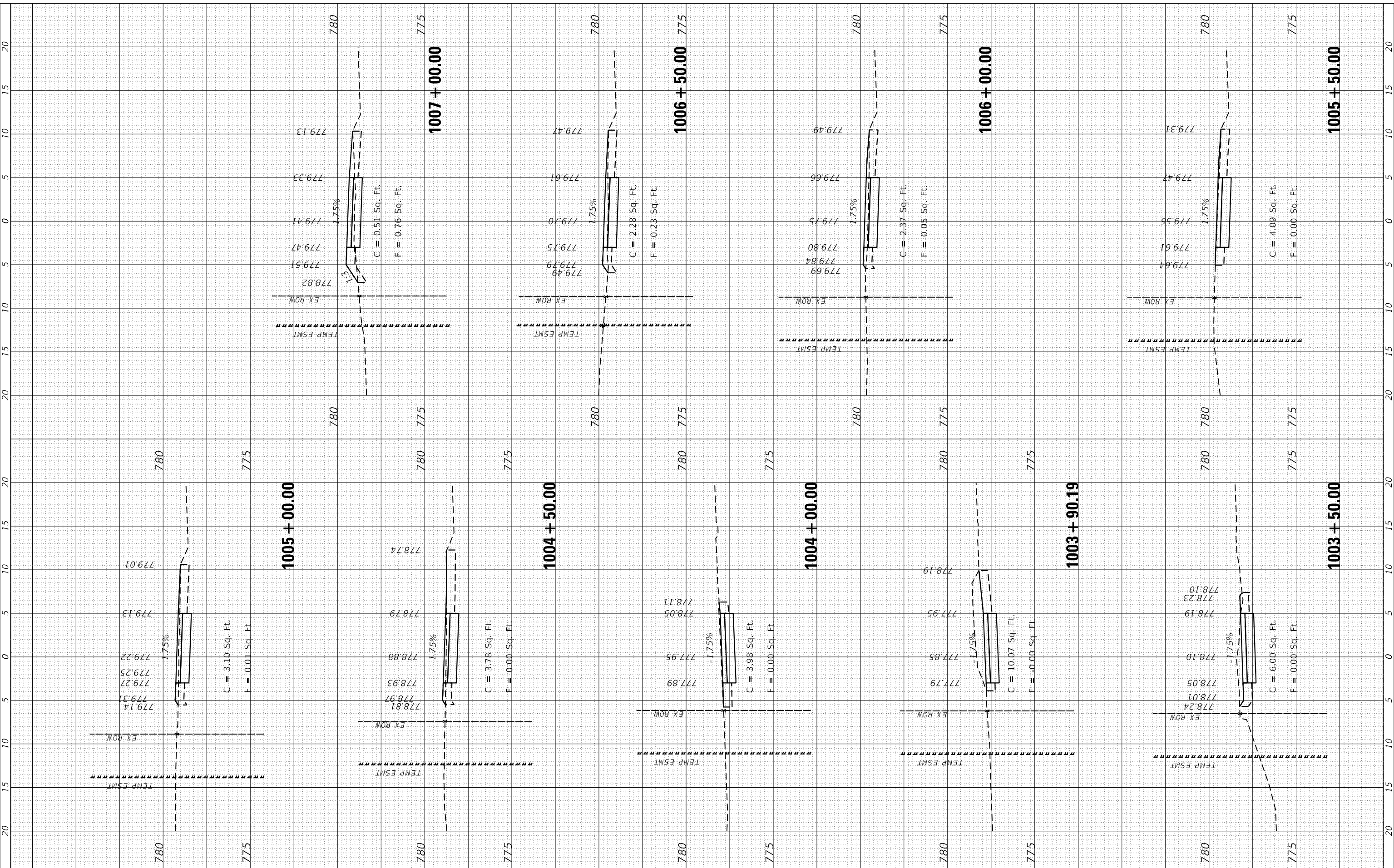
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F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 147
CONTRACT NO. 61F74				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\07\Drawings\CAD\Micros\CADD_Sheets\007.XS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
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(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1" IN.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

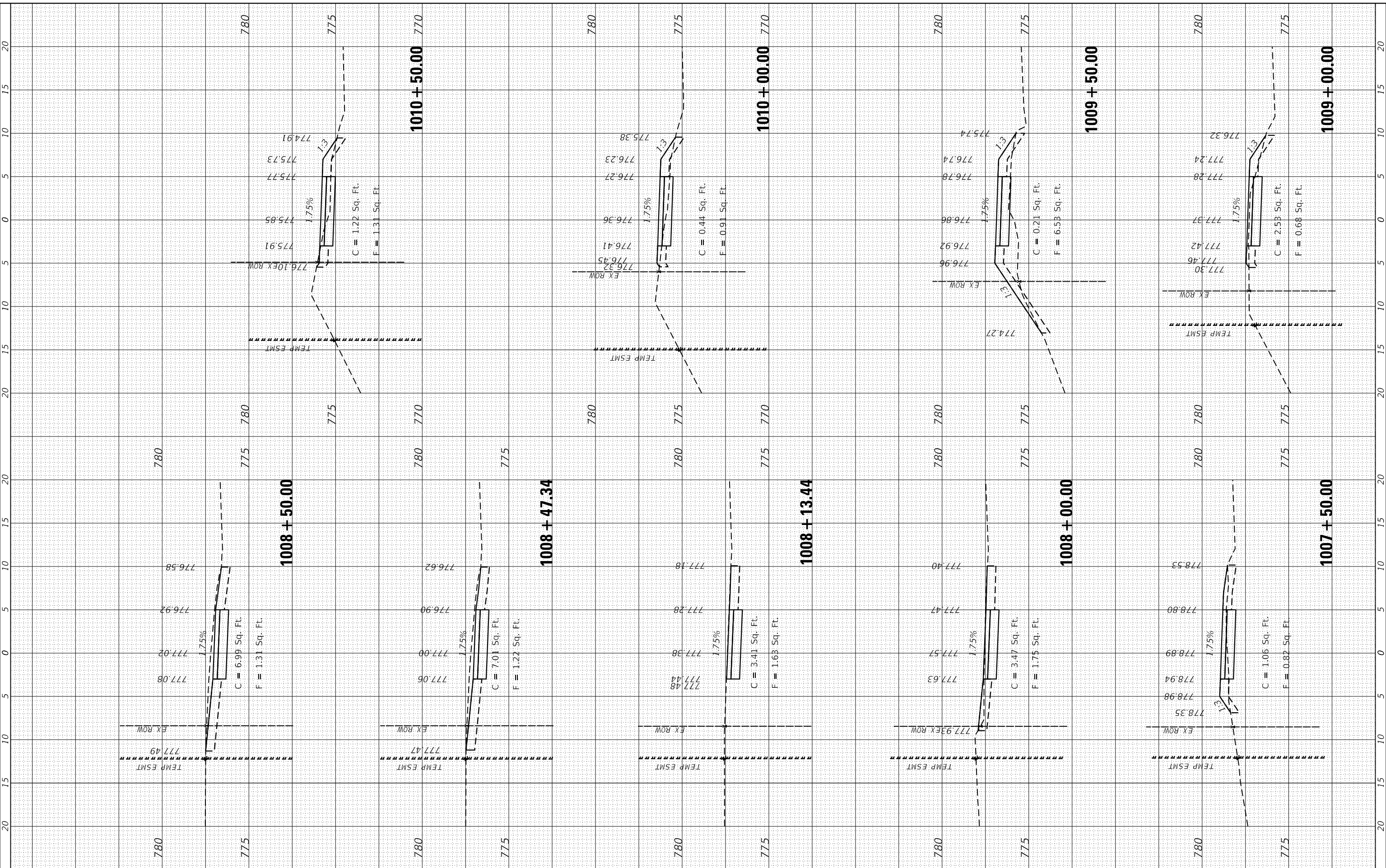
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F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 148
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPALLEN.dgn



STRAND ASSOCIATES
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(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1" IN.
PLOT DATE = 11/7/2019

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CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

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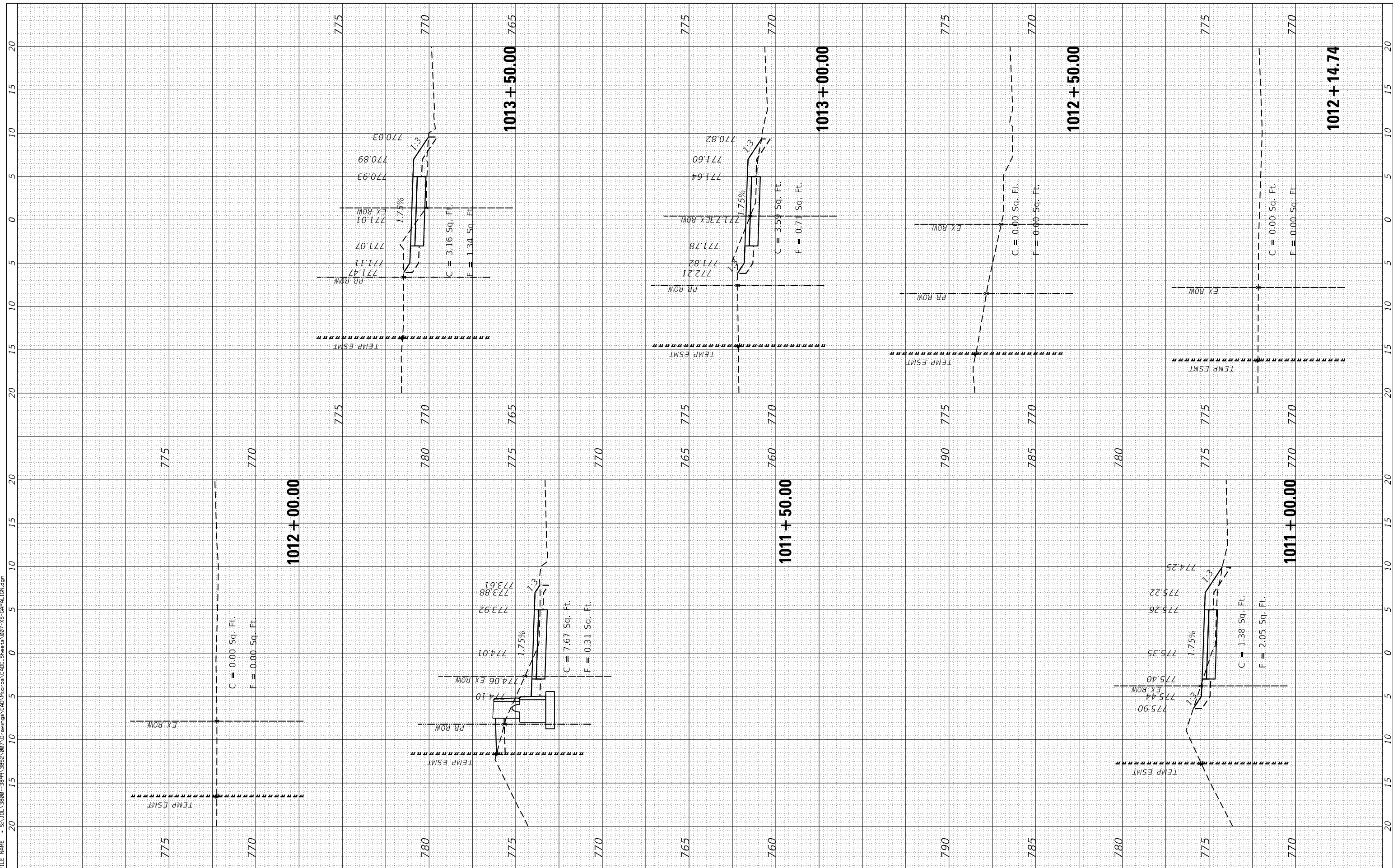
**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**
SCALE: SHEET OF SHEETS STA. 1007+50.00 TO STA. 1010+50.00

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 149
CONTRACT NO. 61F74				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

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**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

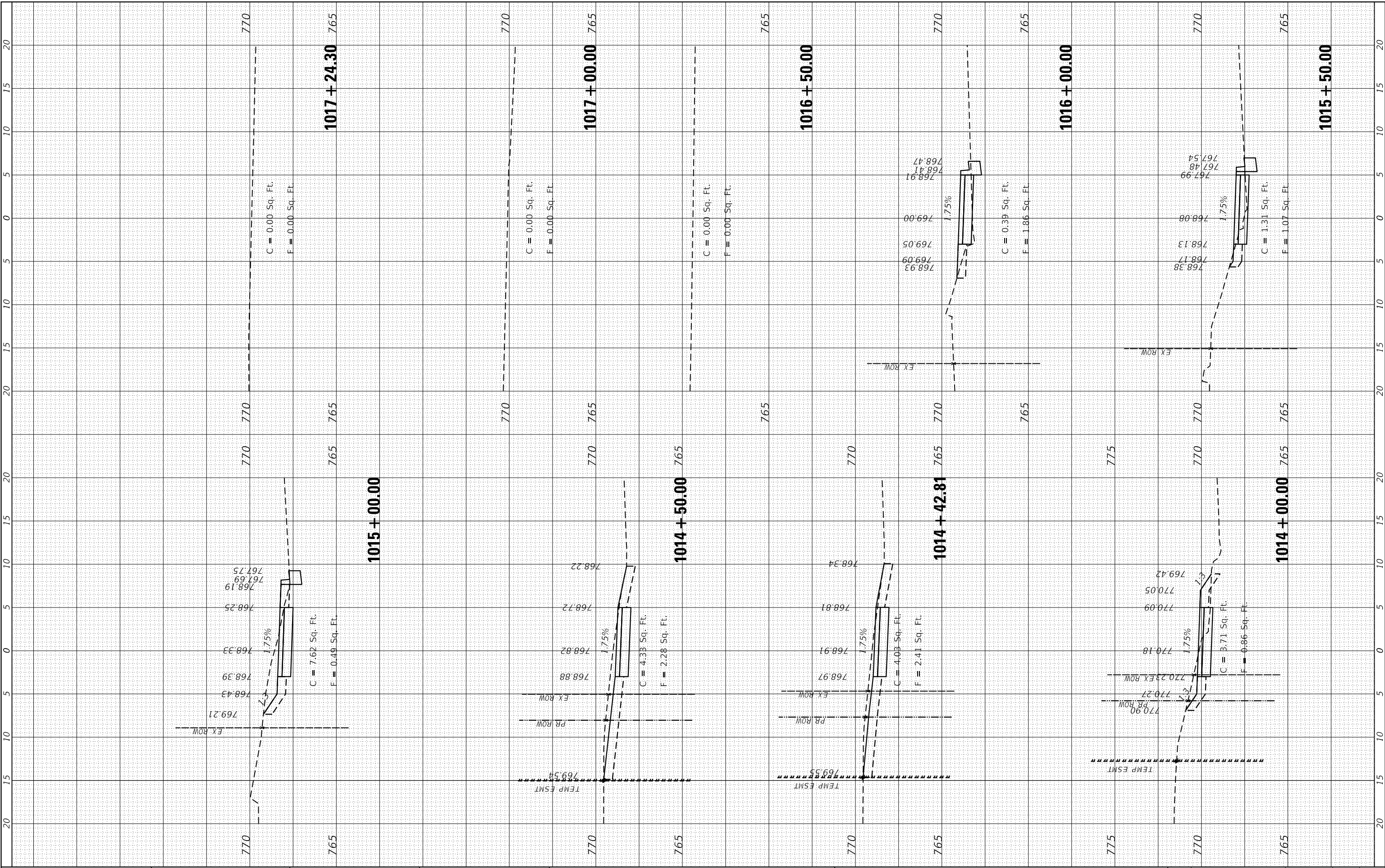
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F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 150
CONTRACT NO. 61F74				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA:\JL\3880-389\3852\07\Drawings\CAD\Micro\CA00_Sheets\07\AS-CAPALLEN.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISOR -
MODEL NAME = Default	DRAWN -	REVISOR -
PLOT SCALE = 10.0000" / 1"	CHECKED -	REVISOR -
PLOT DATE = 11/7/2019	DATE -	REVISOR -

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DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

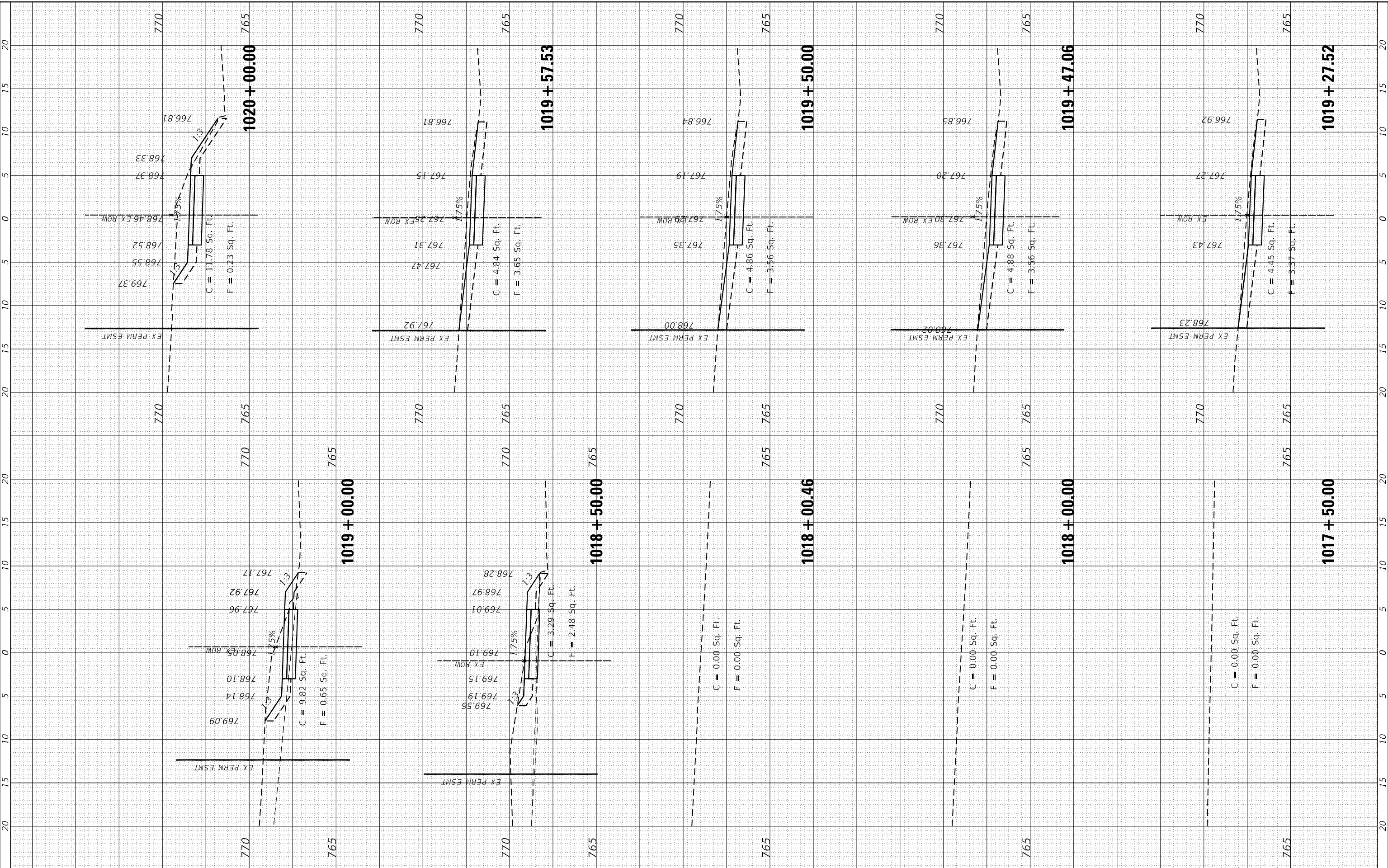
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F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 151
CONTRACT NO. 61F74			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3899\3852\087\Drawings\CAD\Microst\CADD_Sheets\087\AS-CAPAL\EN.dgn



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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
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USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1" = 100
PLOT DATE = 11/7/2019

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DATE -

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**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1017+50.00 TO STA. 1020+00.00

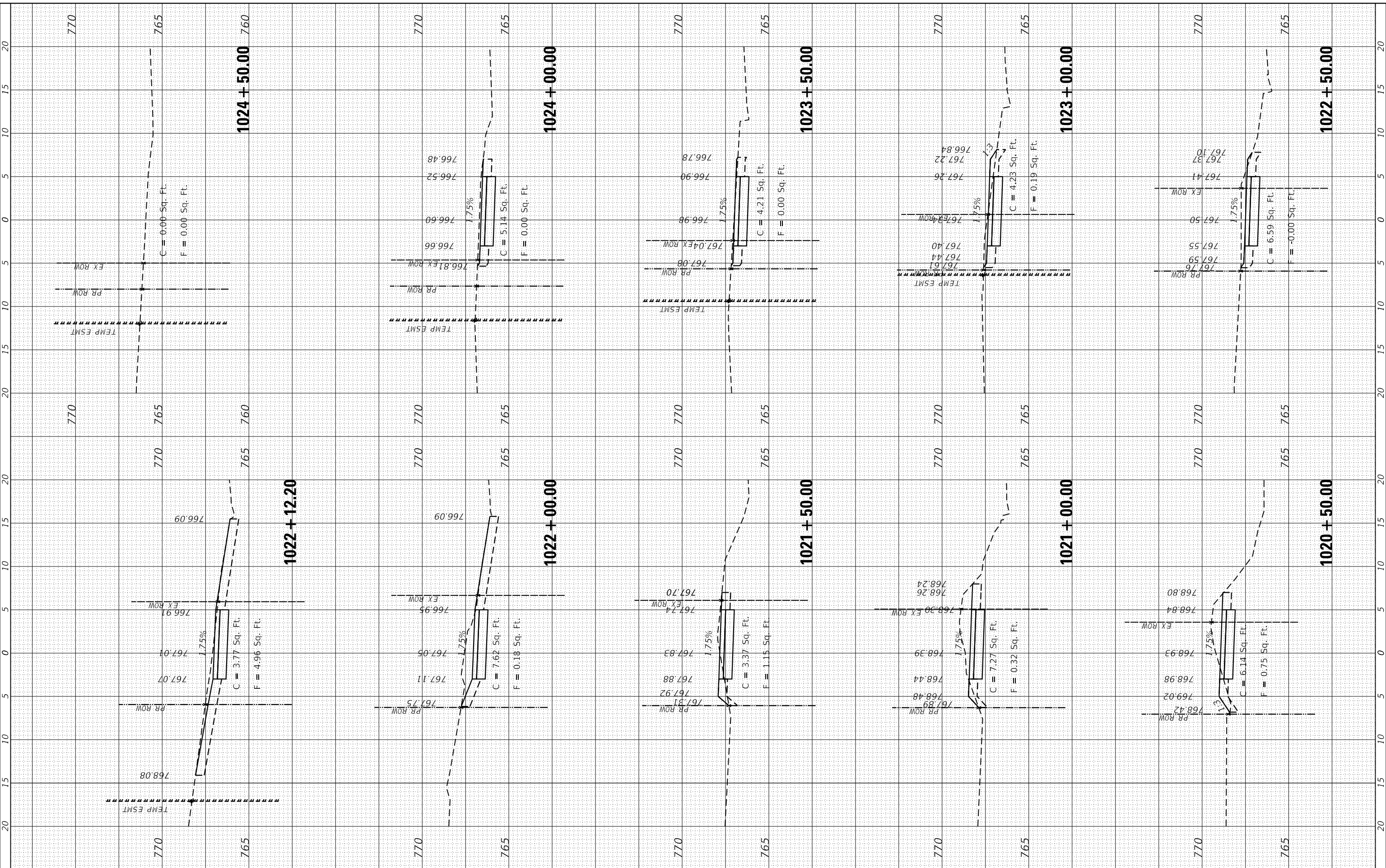
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	152
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA:\JL\3880-3899\3852\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPAL\EN.dgn



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1170 SOUTH HOUBOLT ROAD
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USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

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REVISED -

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**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1020+50.00 TO STA. 1024+50.00

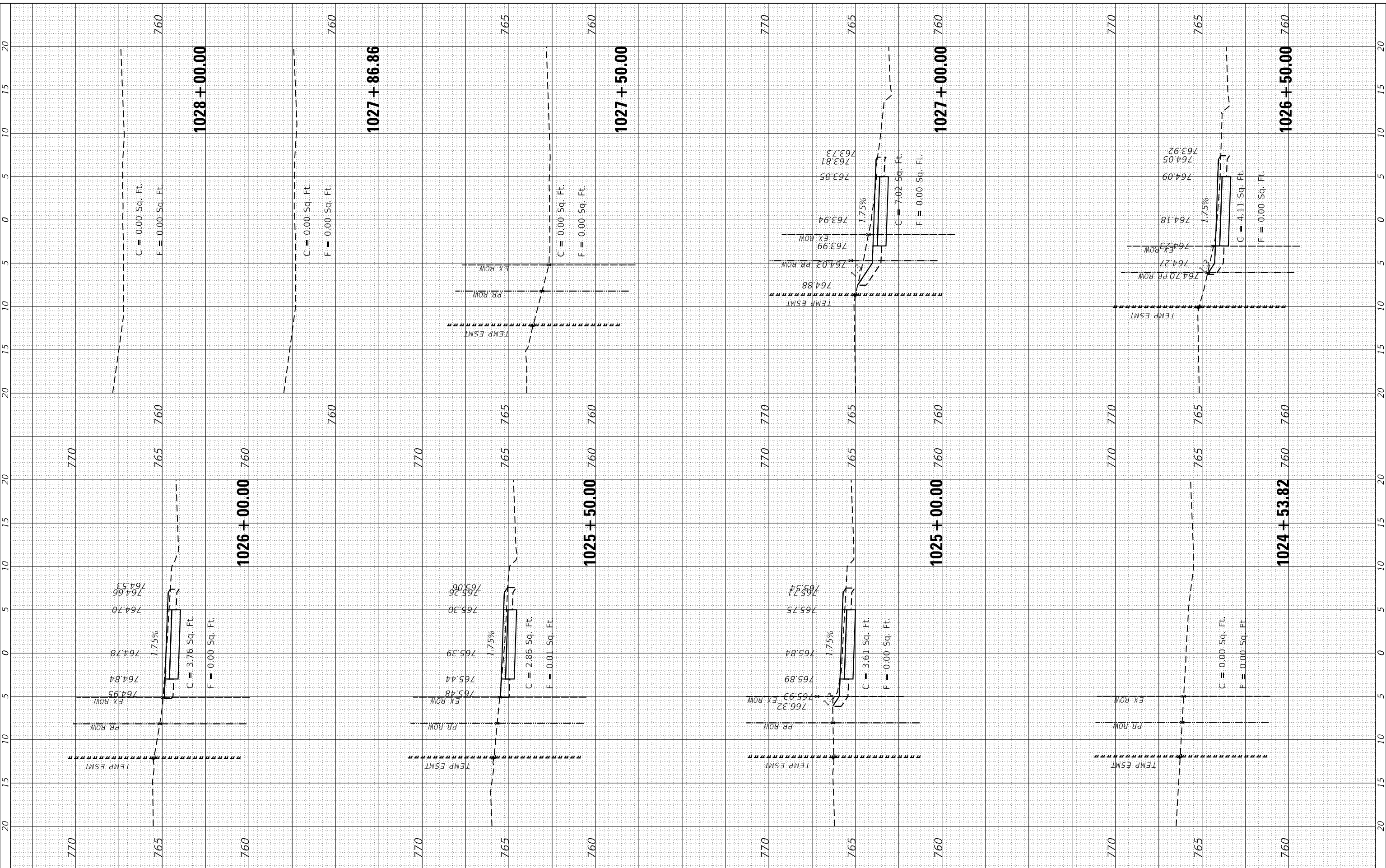
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	153
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

BY	DATE

BY	DATE

FILE NAME = SA:\DL\3880 - 3889\3882\027\Drawings\CAD\Micros\CADD_Sheets\027.XS-CAPAL\EN.dgn



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1170 SOUTH HOUBOLT ROAD
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USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1024+53.82 TO STA. 1028+00.00

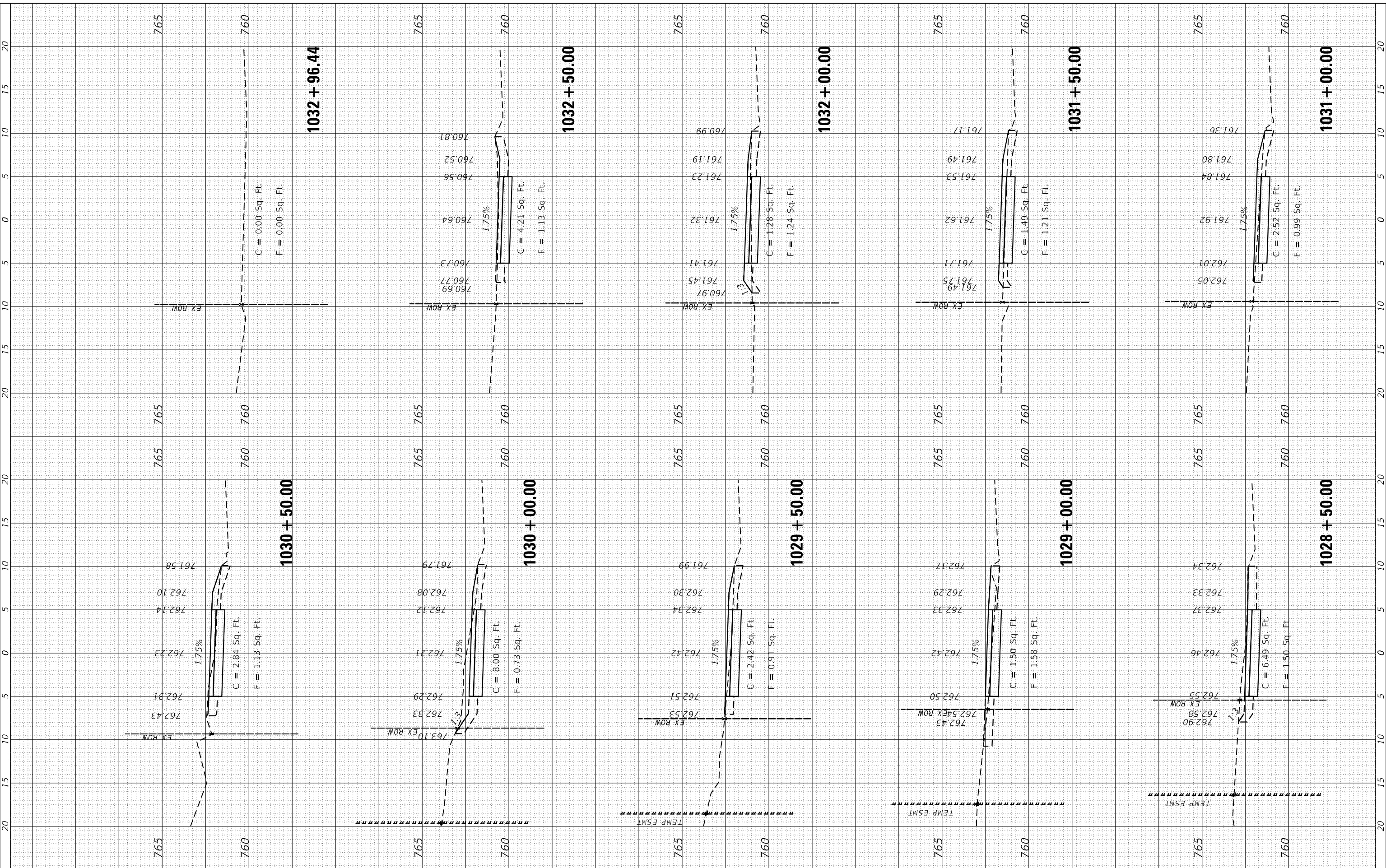
F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	154
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA:\JUL\3880 - 3899\3882\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPAL\EN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1" / in.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

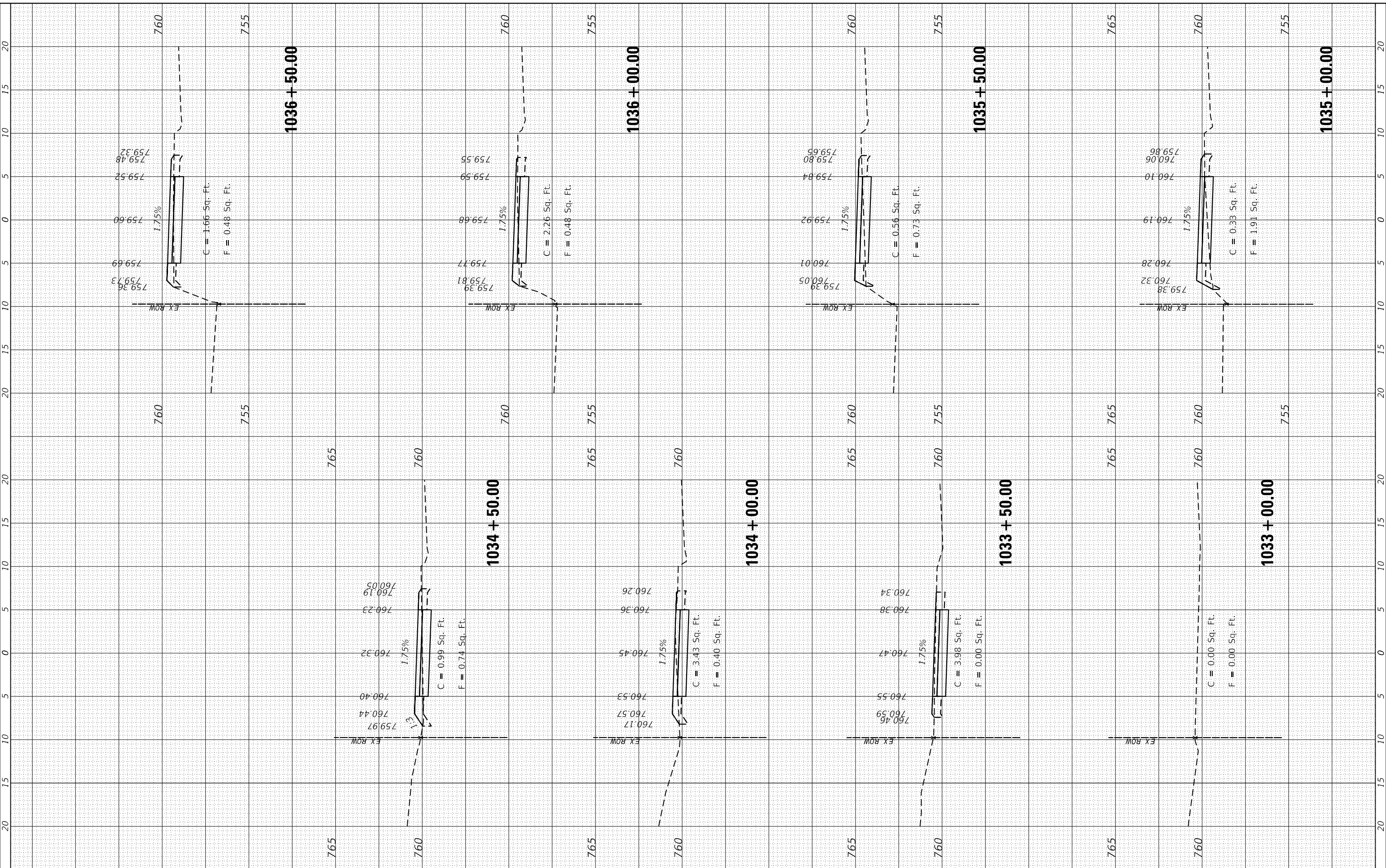
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	155
				CONTRACT NO. 61F74
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3899\3852\087\Drawings\CAD\Micros\CADD_Sheets\087.XS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
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(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

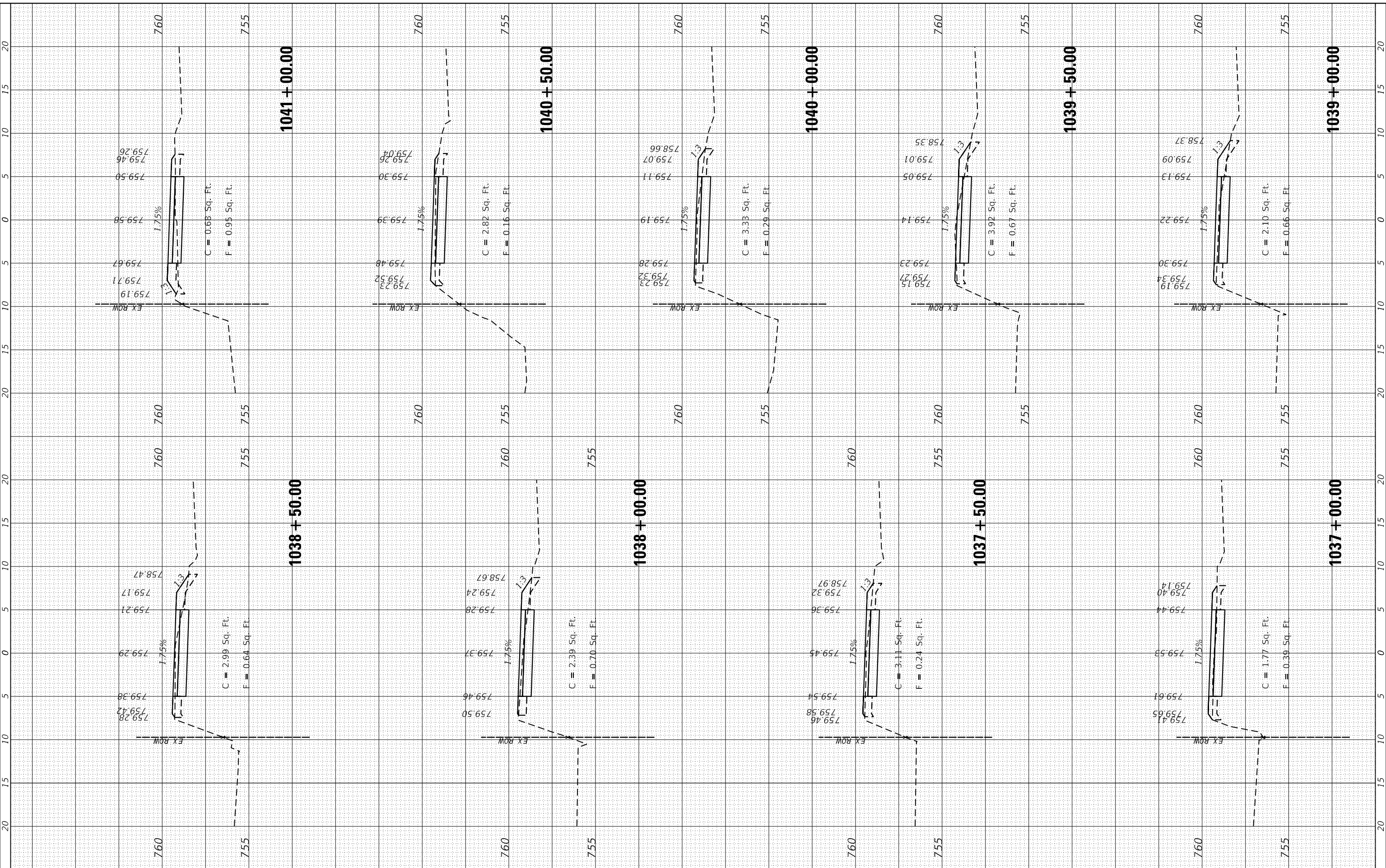
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F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	156
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = SA\JUL\3880 - 389\3882\087\Drawings\CAD\Micros\CADD_Sheets\087.XS-CAPALLEN.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
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 (815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000" / 1"	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1037+00.00 TO STA. 1041+00.00

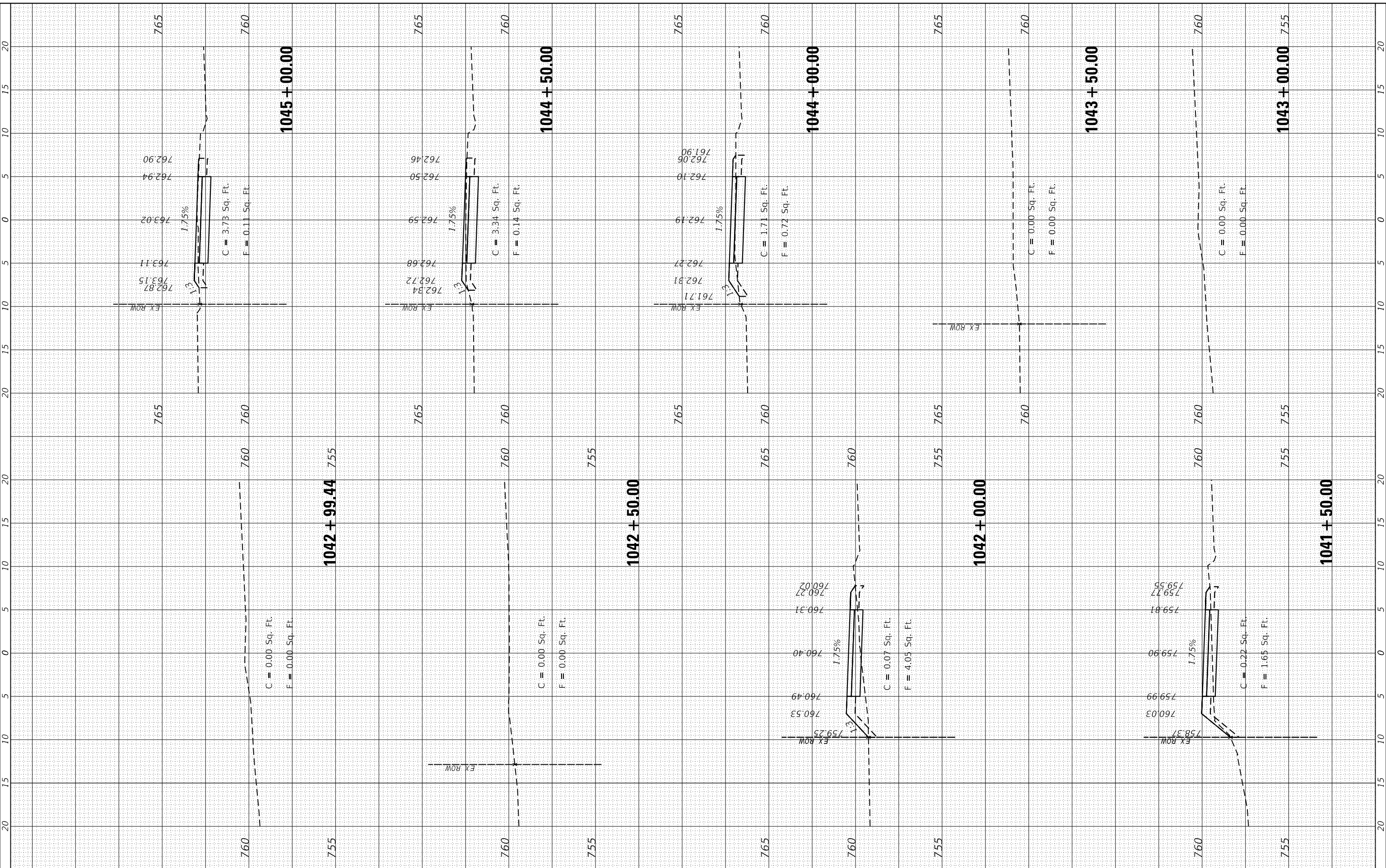
F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 157
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

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

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

FILE NAME = SA\JUL\3880 - 3899\3882\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISER -
MODEL NAME = Default	DRAWN -	REVISER -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISER -
PLOT DATE = 11/7/2019	DATE -	REVISER -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

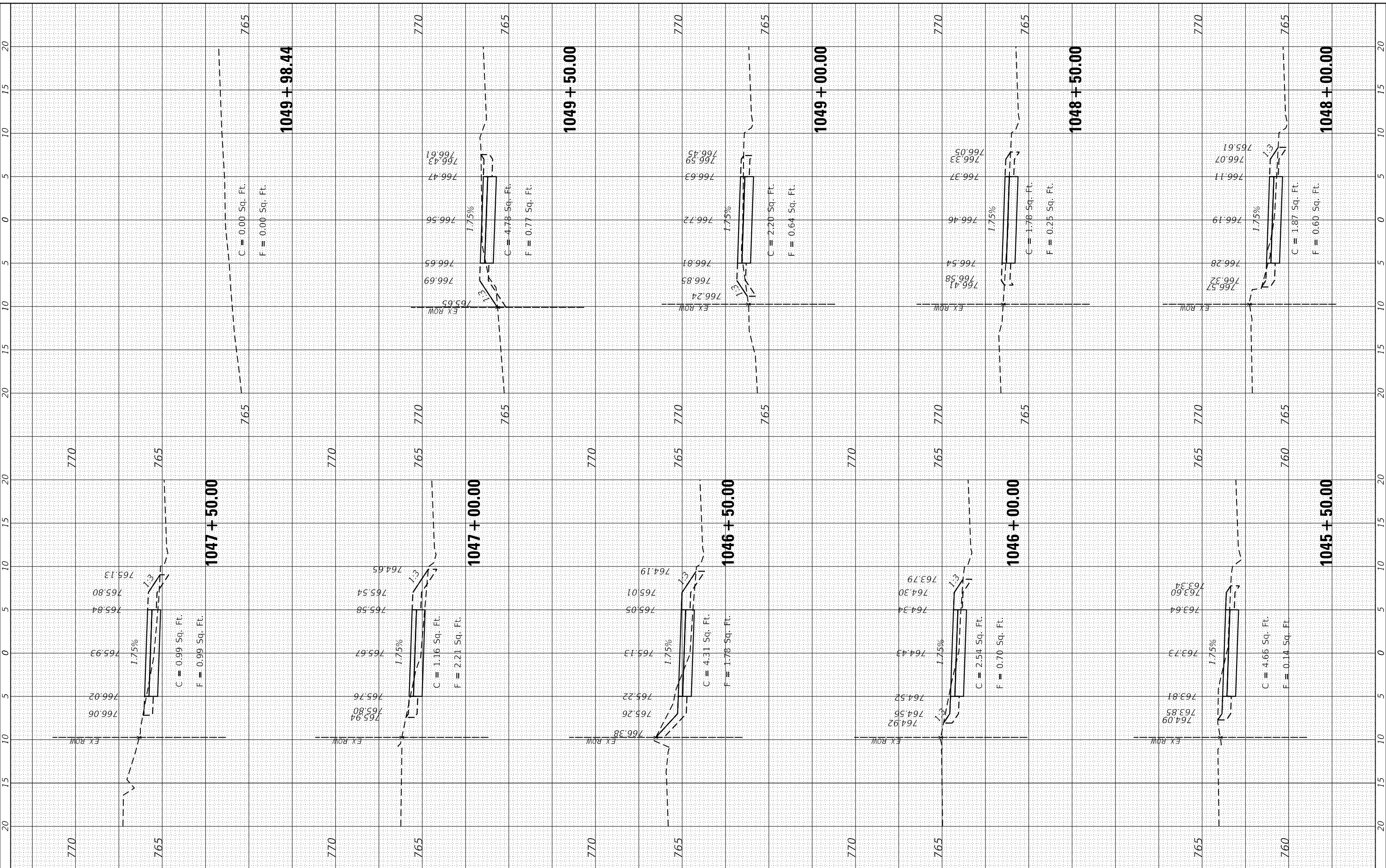
SCALE: SHEET OF SHEETS STA. 1041+50.00 TO STA. 1045+00.00

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY	TOTAL SHEETS 193	SHEET NO. 158
CONTRACT NO. 61F74			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3899\3882\077\Drawings\CAD\Micros\CADD_Sheets\007.XS-CAPALLEN.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 10.0000' / 1"
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

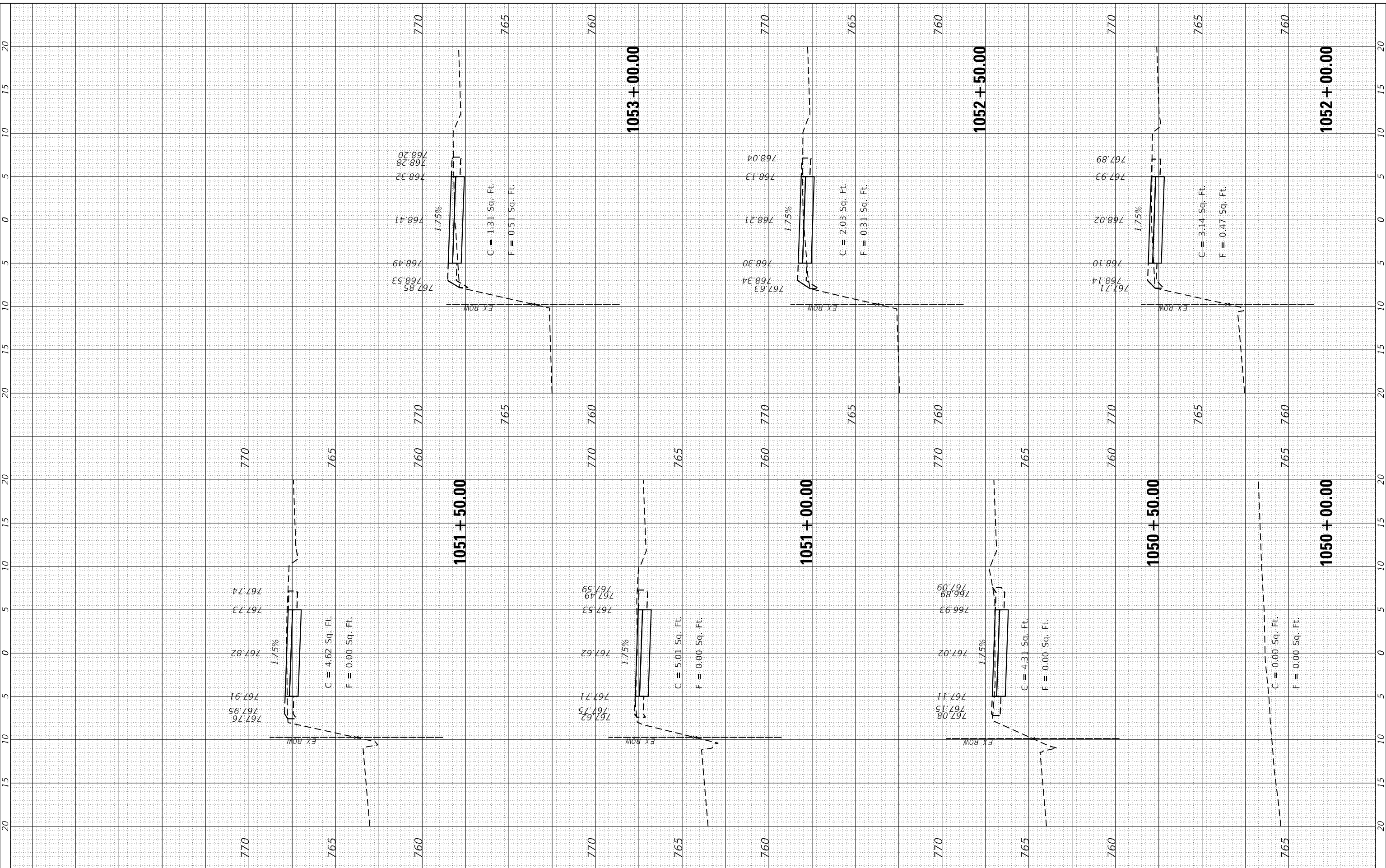
SCALE: SHEET OF SHEETS STA. 1045+50.00 TO STA. 1049+98.44

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	159
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880-3899\3852\07\Drawings\CAD\Micros\CADD_Sheets\007.XS-CAPALLEN.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISD -
MODEL NAME = Default	DRAWN -	REVISD -
PLOT SCALE = 10.0000" / 1"	CHECKED -	REVISD -
PLOT DATE = 11/7/2019	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

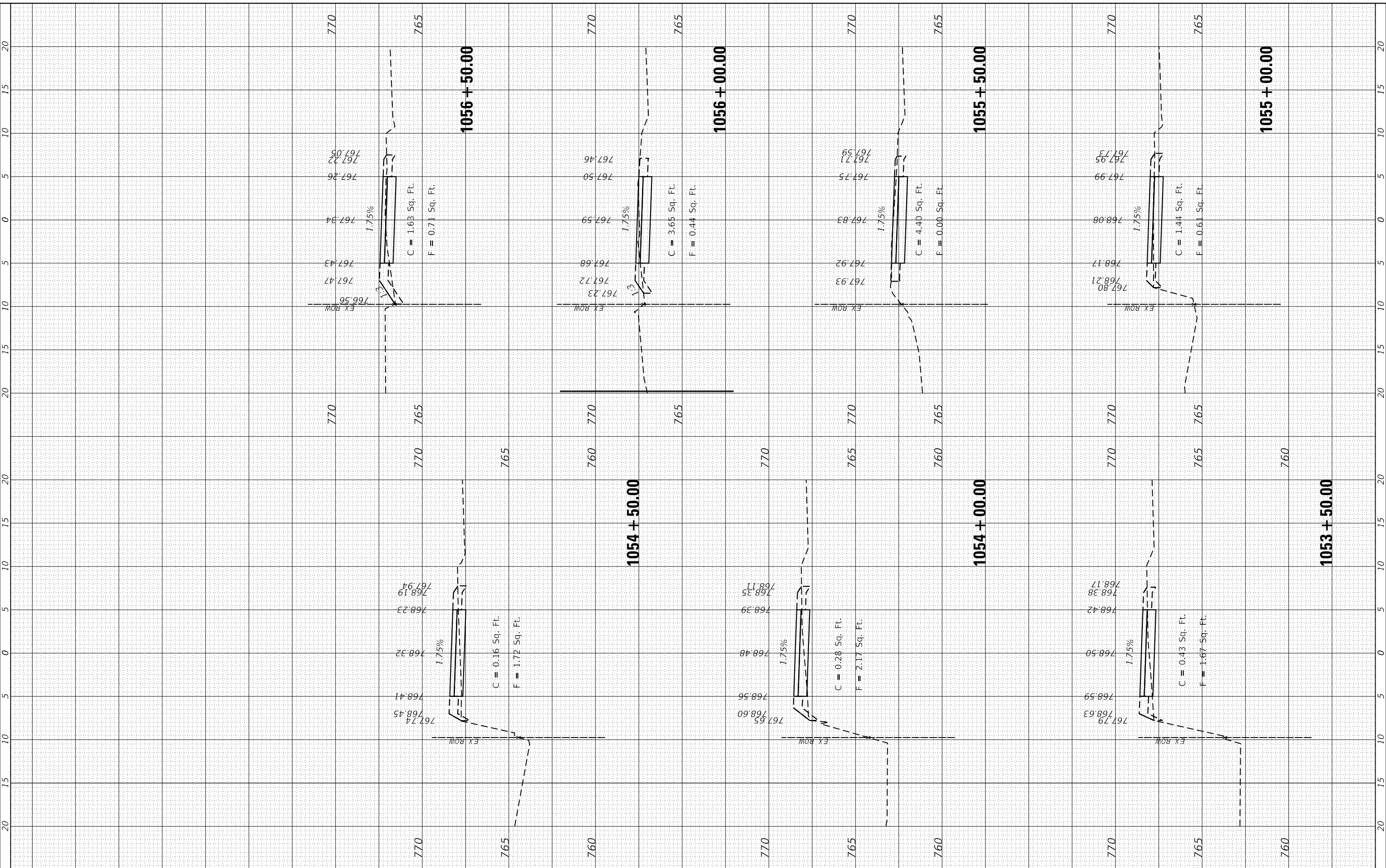
SCALE: SHEET OF SHEETS STA. 1050+00.00 TO STA. 1053+00.00

F.A.U. RT. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 160
CONTRACT NO. 61F74				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JOL\3880 - 3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087.XS-CAPALLEN.dgn



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1053+50.00 TO STA. 1056+50.00

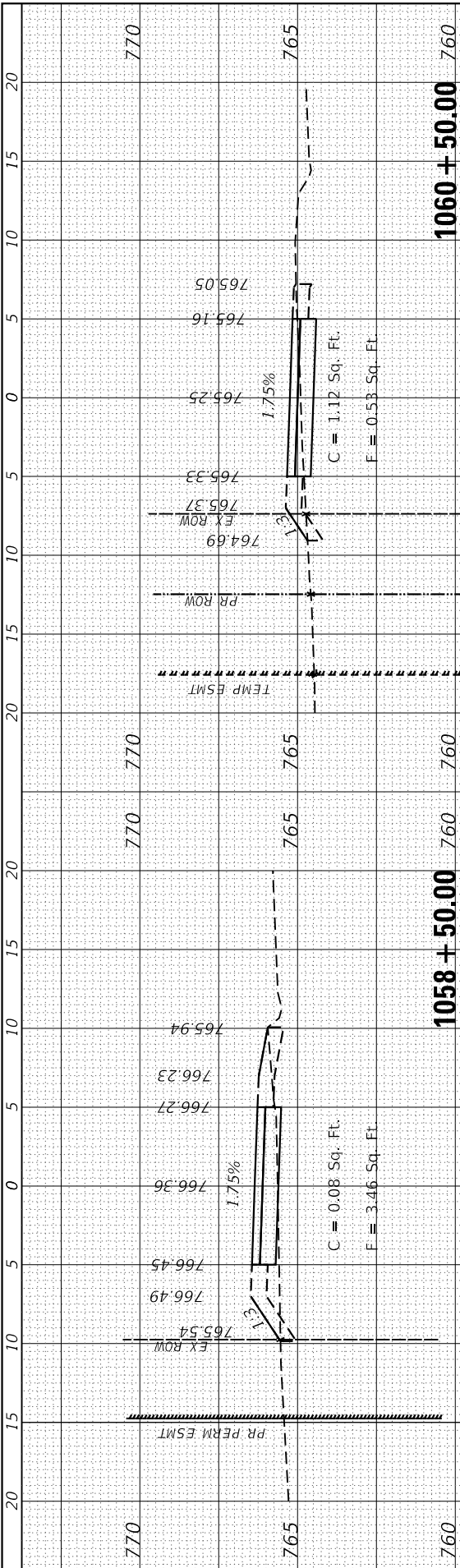
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	161
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

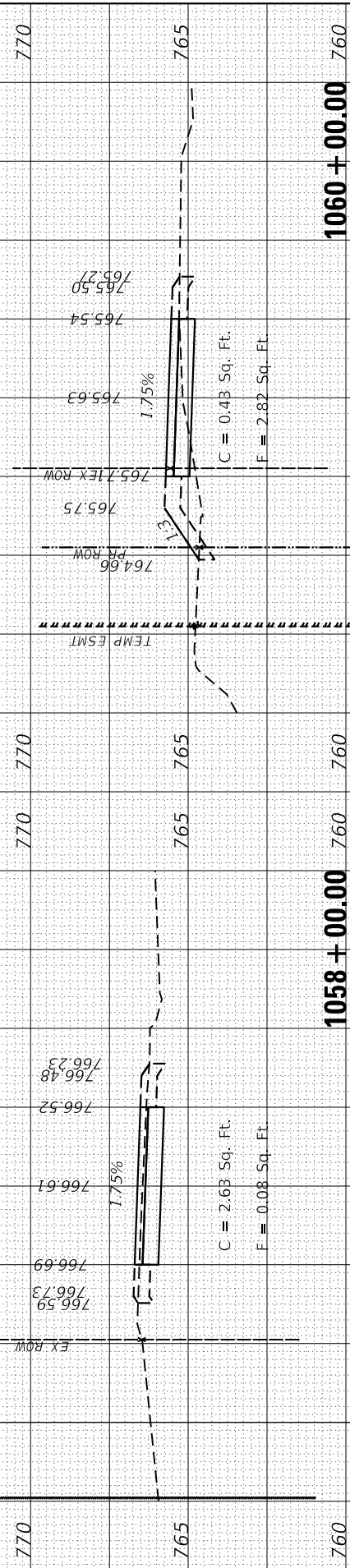
BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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

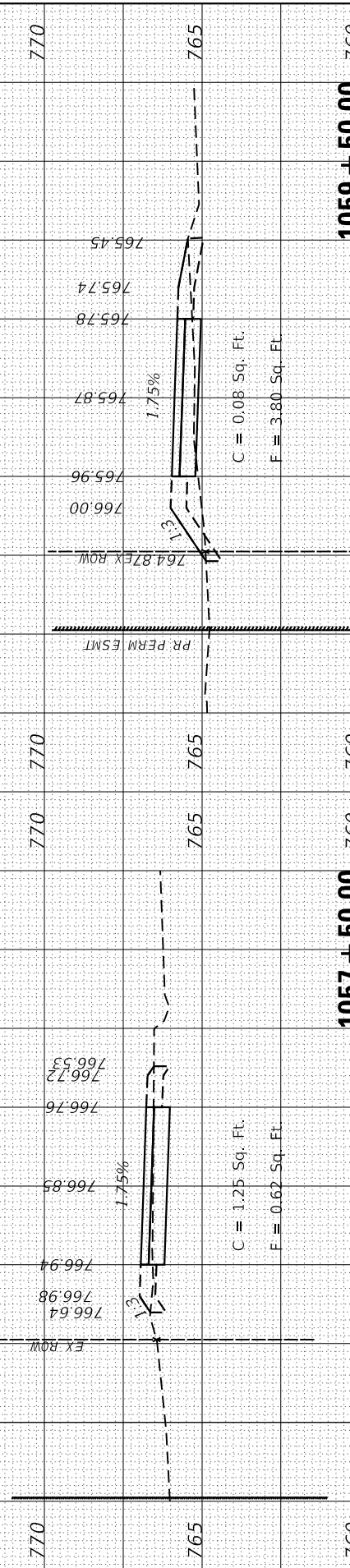
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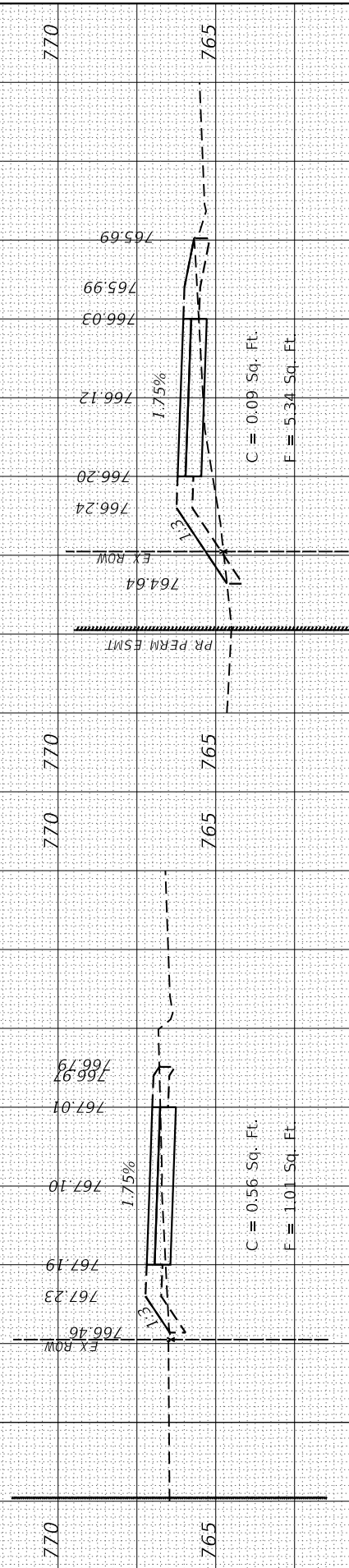
1060 + 50.00



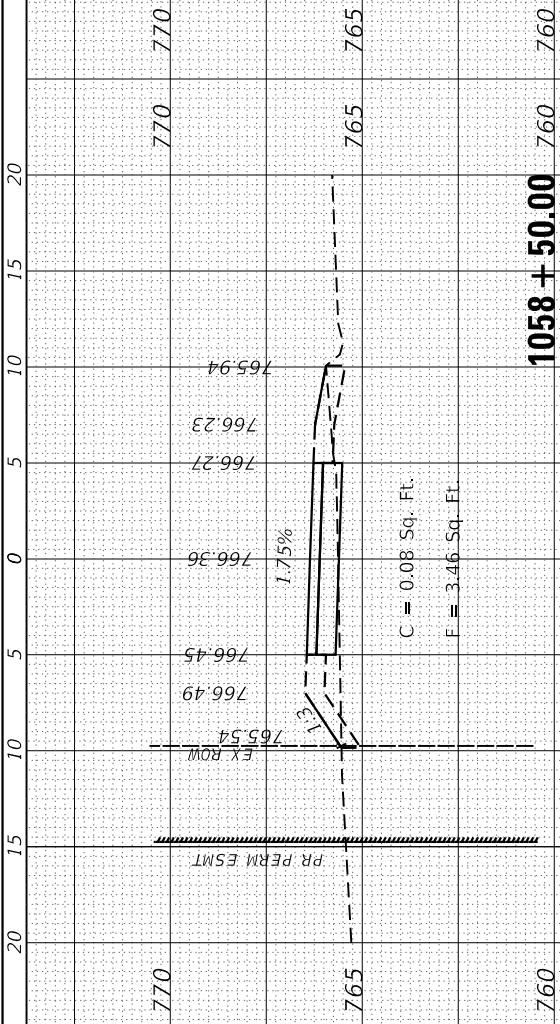
1060 + 00.00



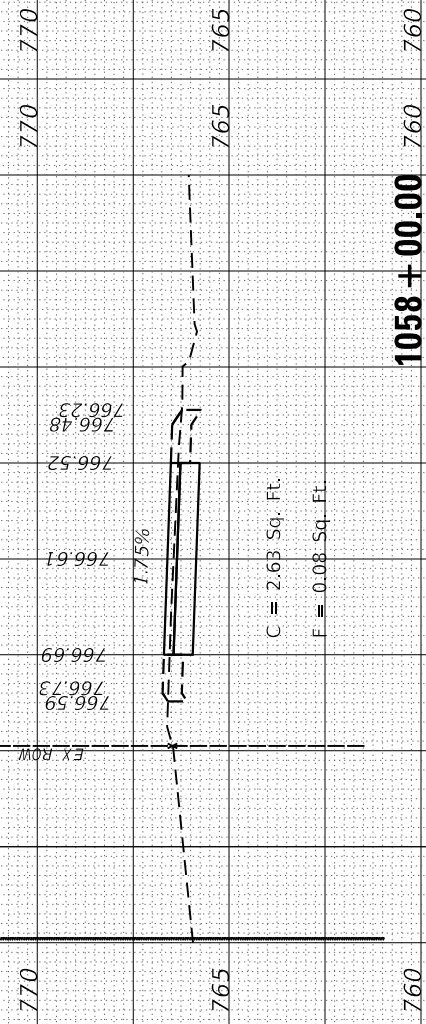
1059 + 50.00



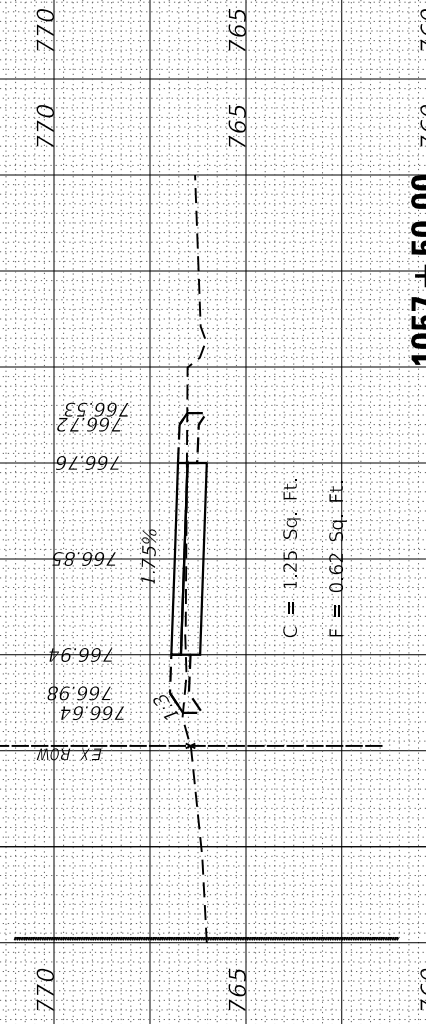
1059 + 00.00



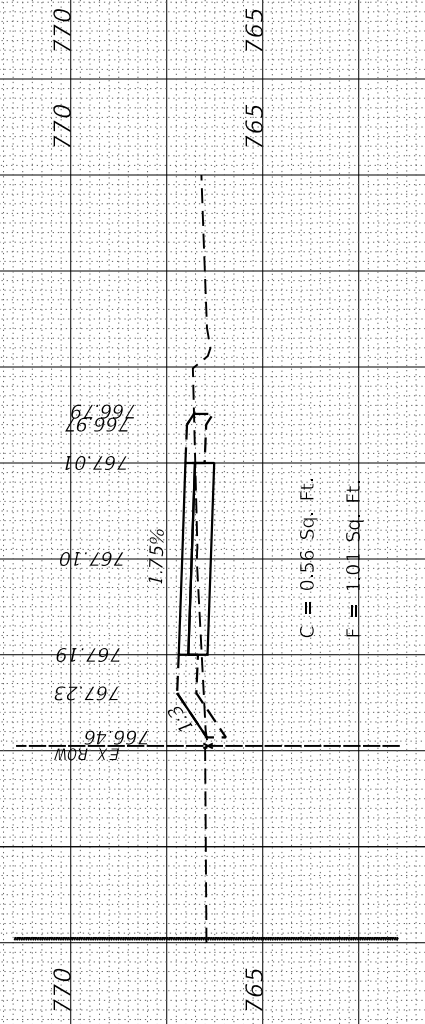
1058 + 50.00



1058 + 00.00



1057 + 50.00



1057 + 00.00



USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 10.0000" / 1.
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 1057+00.00 TO STA. 1060+50.00

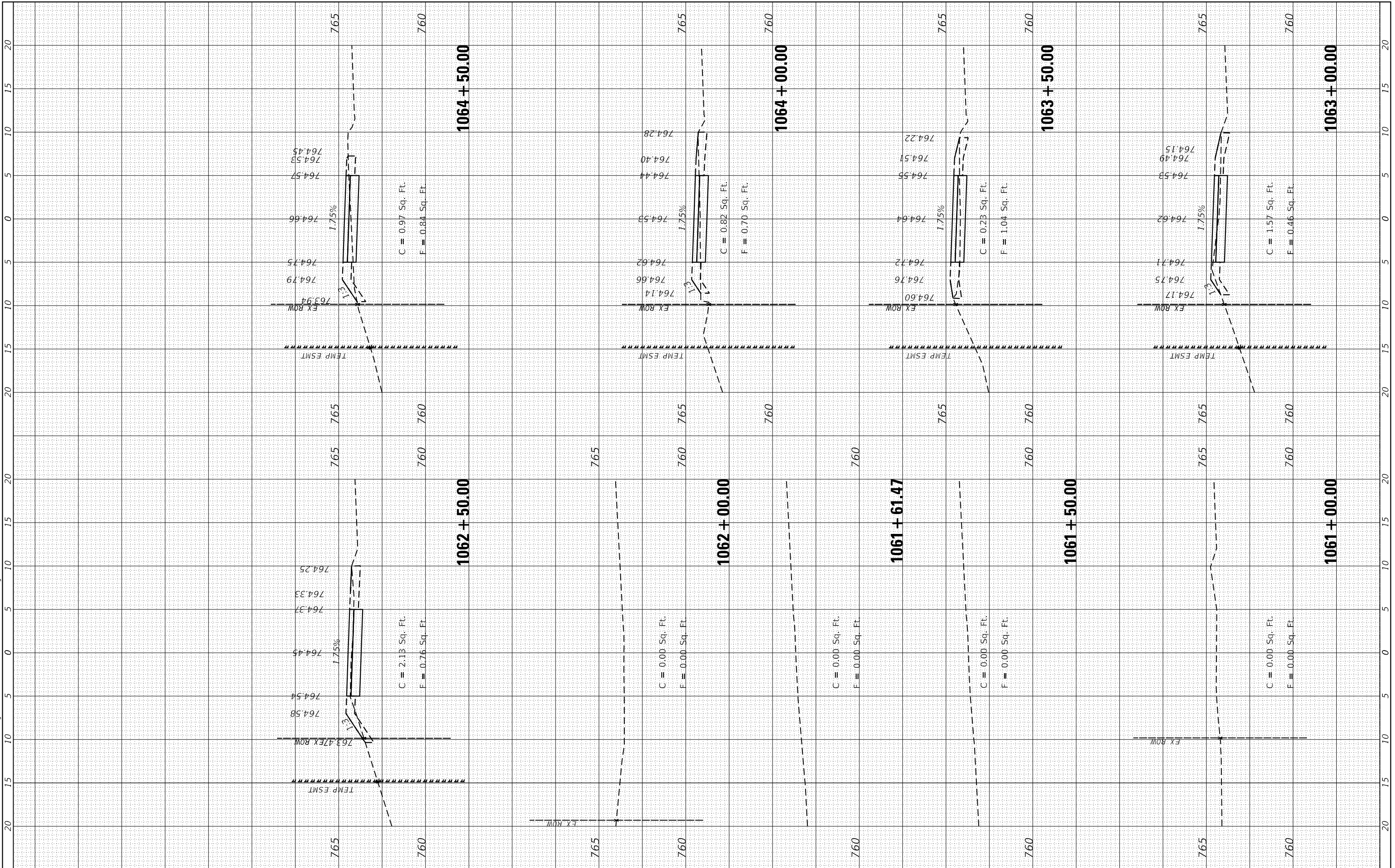
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	162
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3899\3882\077\Drawings\CAD\Micro\CRDD_Sheets\007\AS-CAPAL\EN.dgn



SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

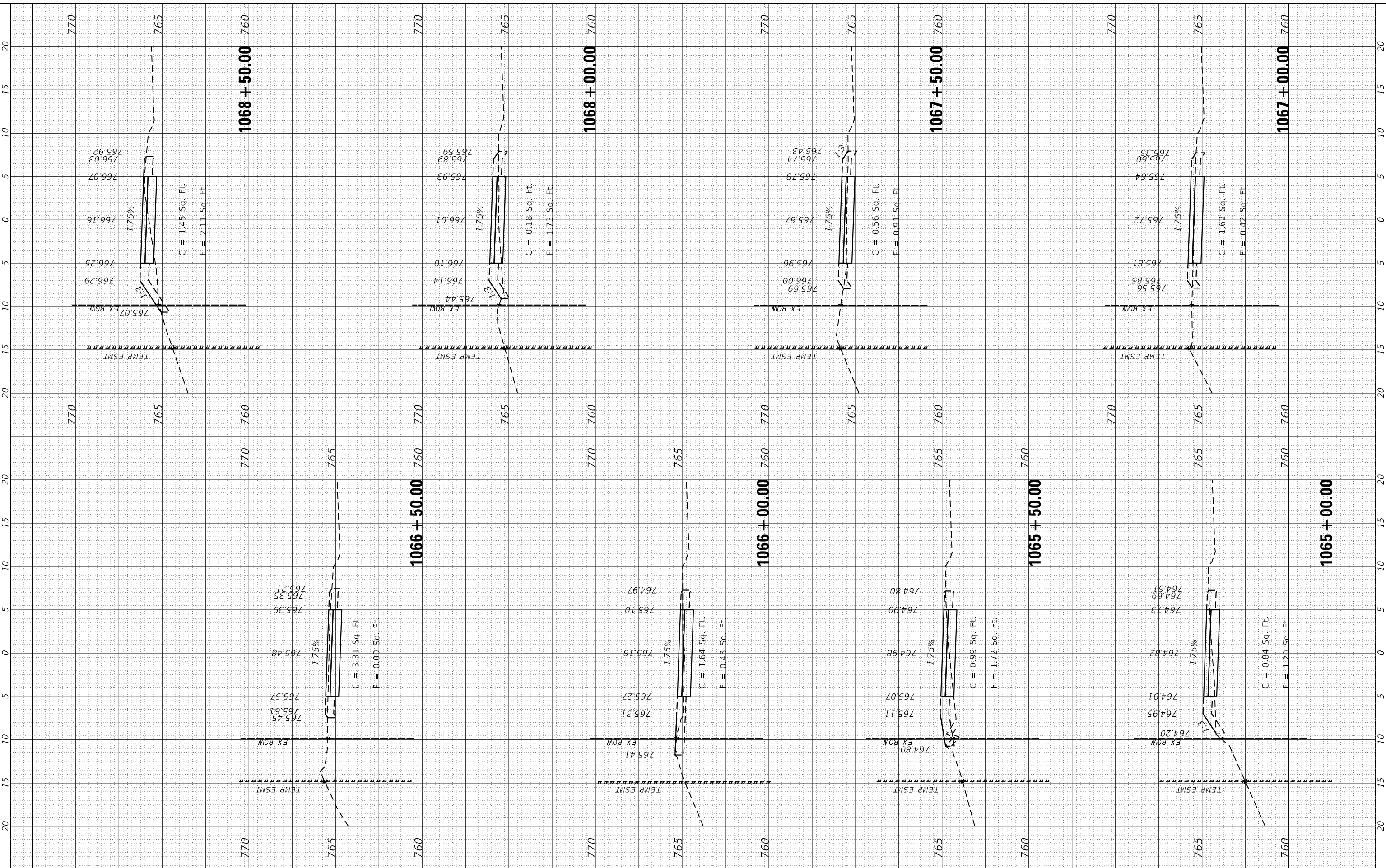
SCALE: SHEET OF SHEETS STA. 1061+00.00 TO STA. 1064+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	163
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL13880-3899\3892\077\Drawings\CAD\Micro\CAOD_Sheets\007\AS-CAPAL\EN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

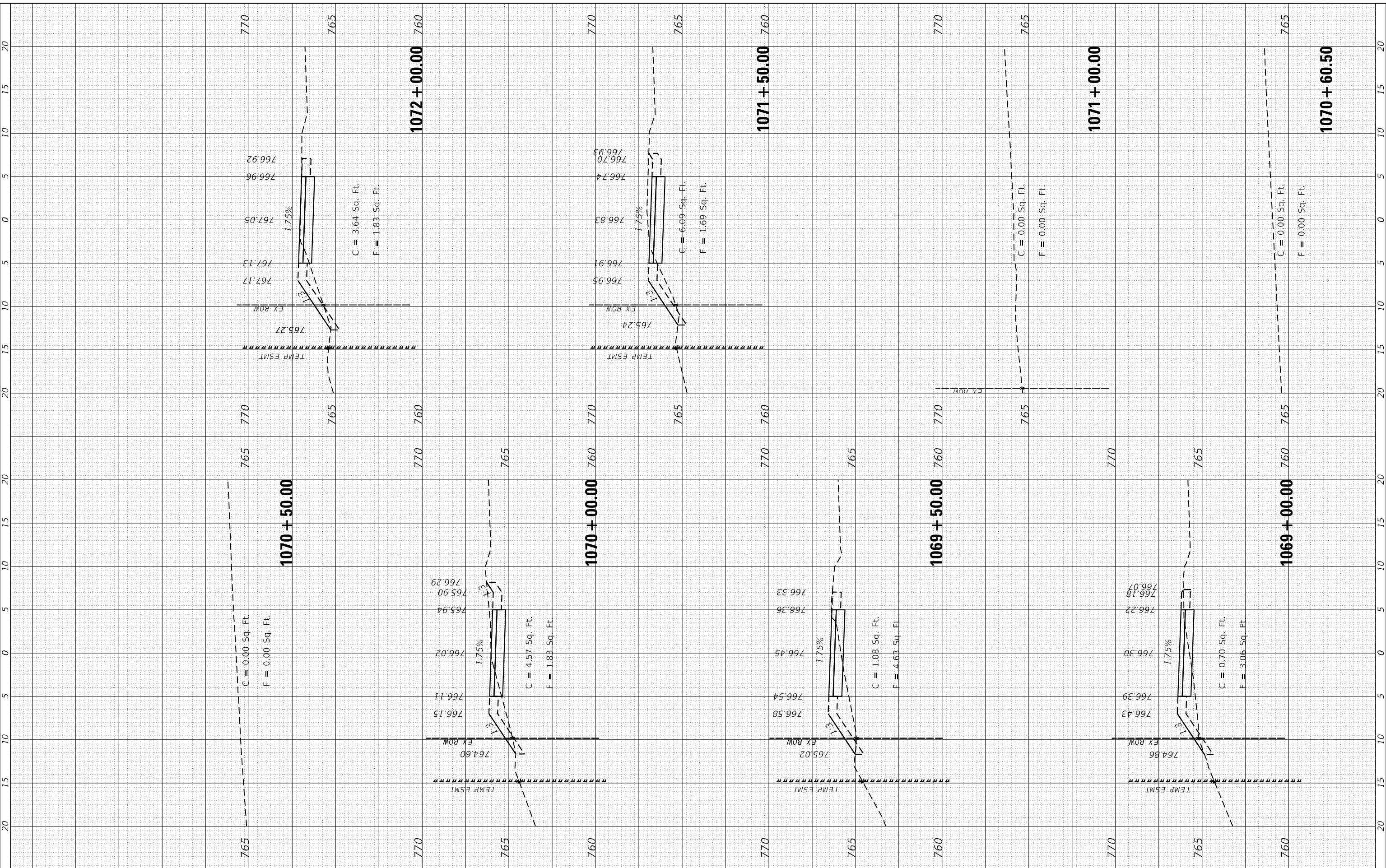
SCALE: SHEET OF SHEETS STA. 1065+00.00 TO STA. 1068+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	164
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880-3889\3882\077\Drawings\CAD\Microst\CADD_Sheets\007\XS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

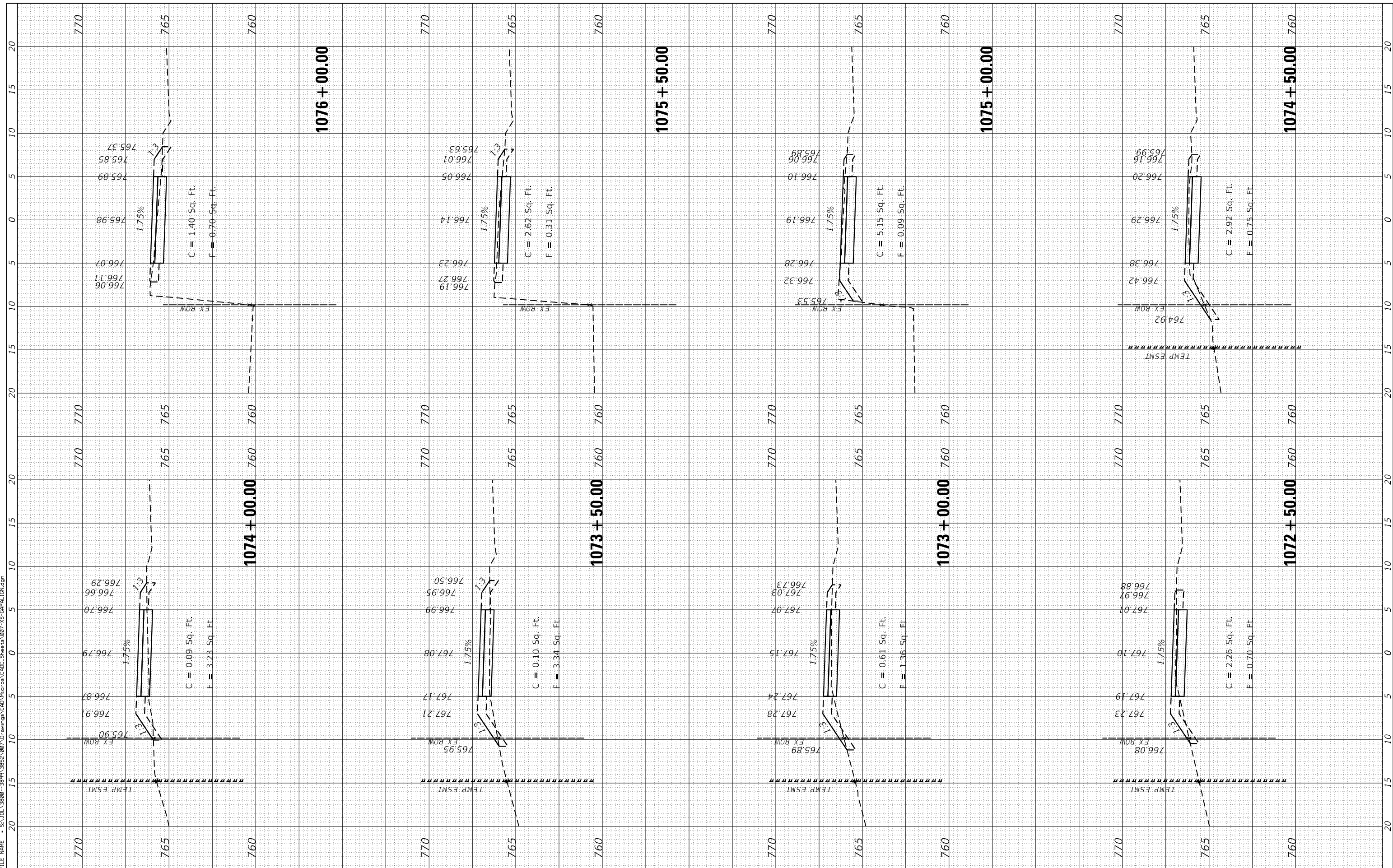
SCALE: SHEET OF SHEETS STA. 1069+00.00 TO STA. 1072+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	165
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL13880 - 3899\3892\087\Drawings\CAD\MicroStation\087\AS-CAPAL\EN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

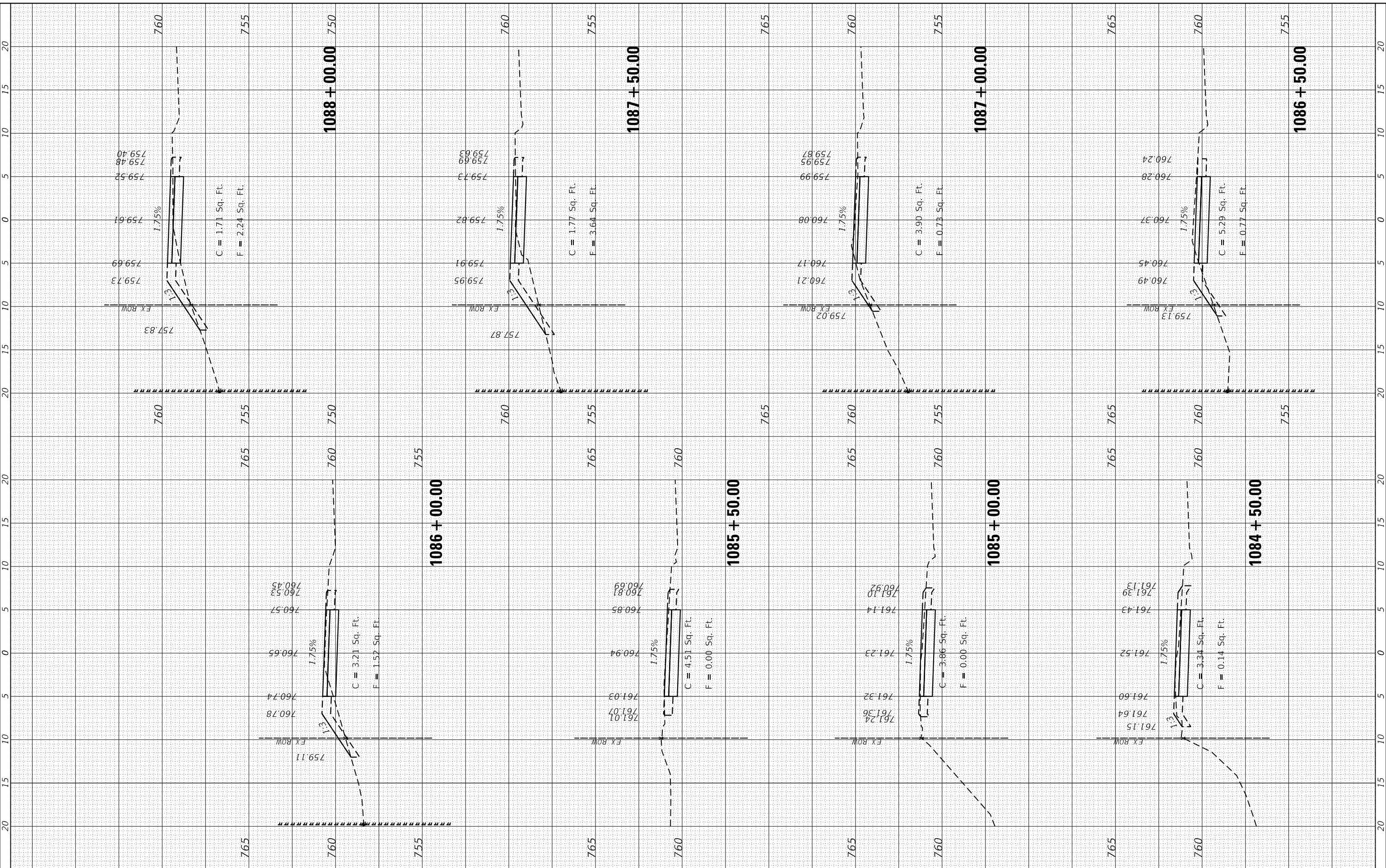
SCALE: SHEET OF SHEETS STA. 1072+50.00 TO STA. 1076+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	166
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3899\3882\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPAL\EN.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

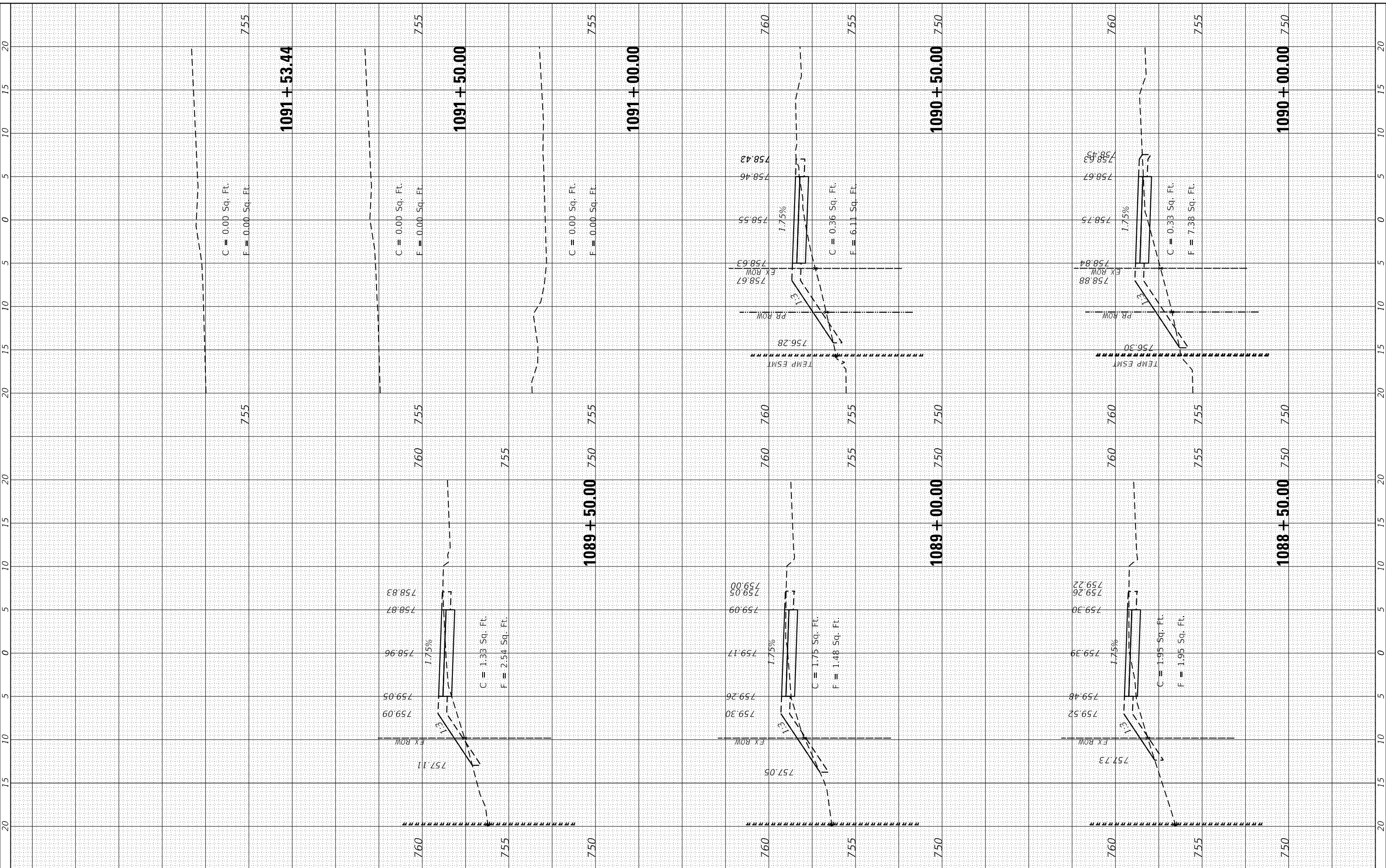
SCALE: SHEET OF SHEETS STA. 1084+50.00 TO STA. 1088+00.00

F.A.U. RT. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 169
CONTRACT NO. 61F74			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME = SA\JUL\3880 - 3899\3852\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPALLEN.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1088+50.00 TO STA. 1091+53.44

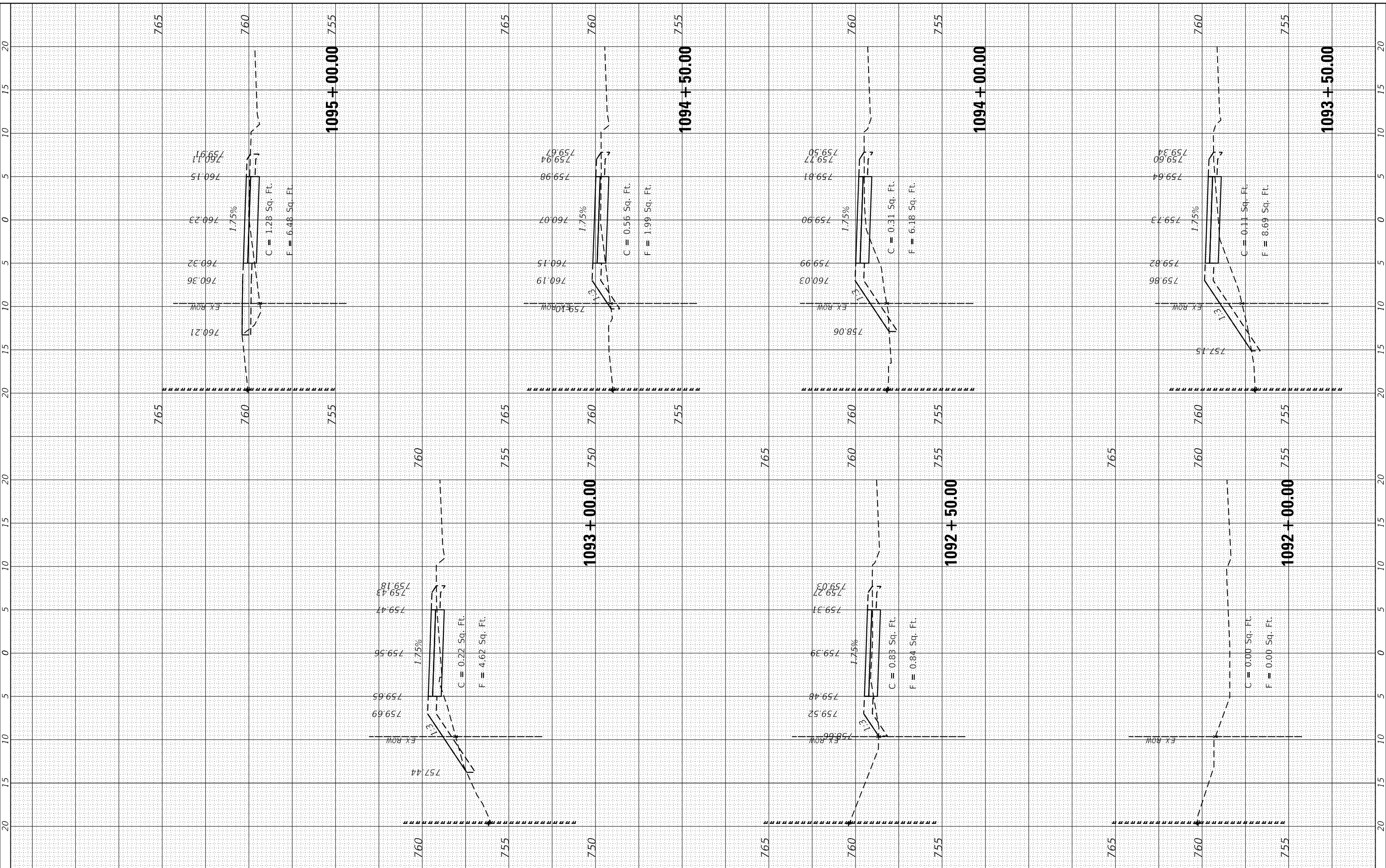
F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 170
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 389\3852\07\Drawings\CAD\Micros\CADD_Sheets\007.XS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1092+00.00 TO STA. 1095+00.00

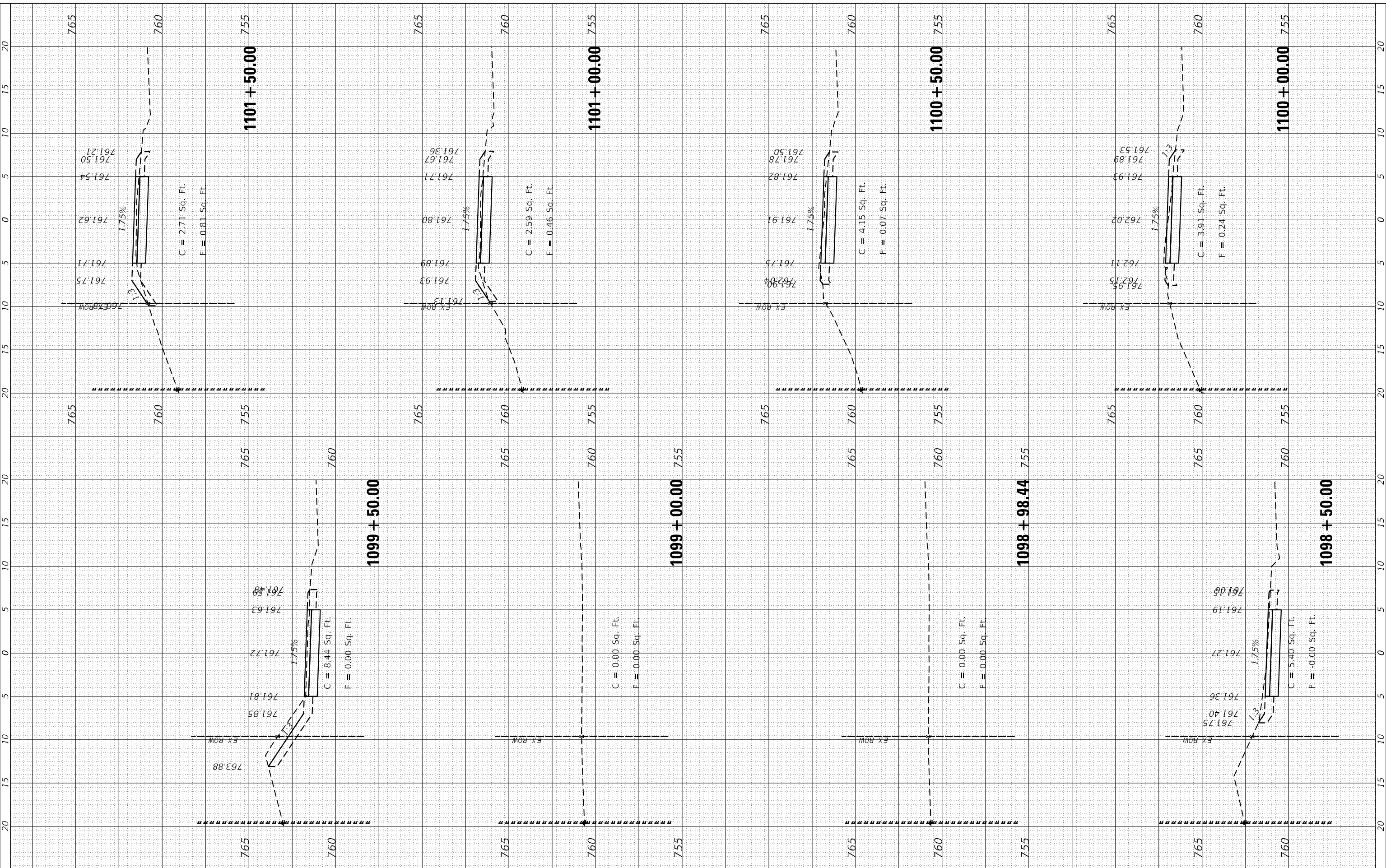
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	171
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

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

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

FILE NAME = SA:\JL\38800 - 3889\3882\007\Crossings\CAD\Micros\CADD_Sheets\007.XS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

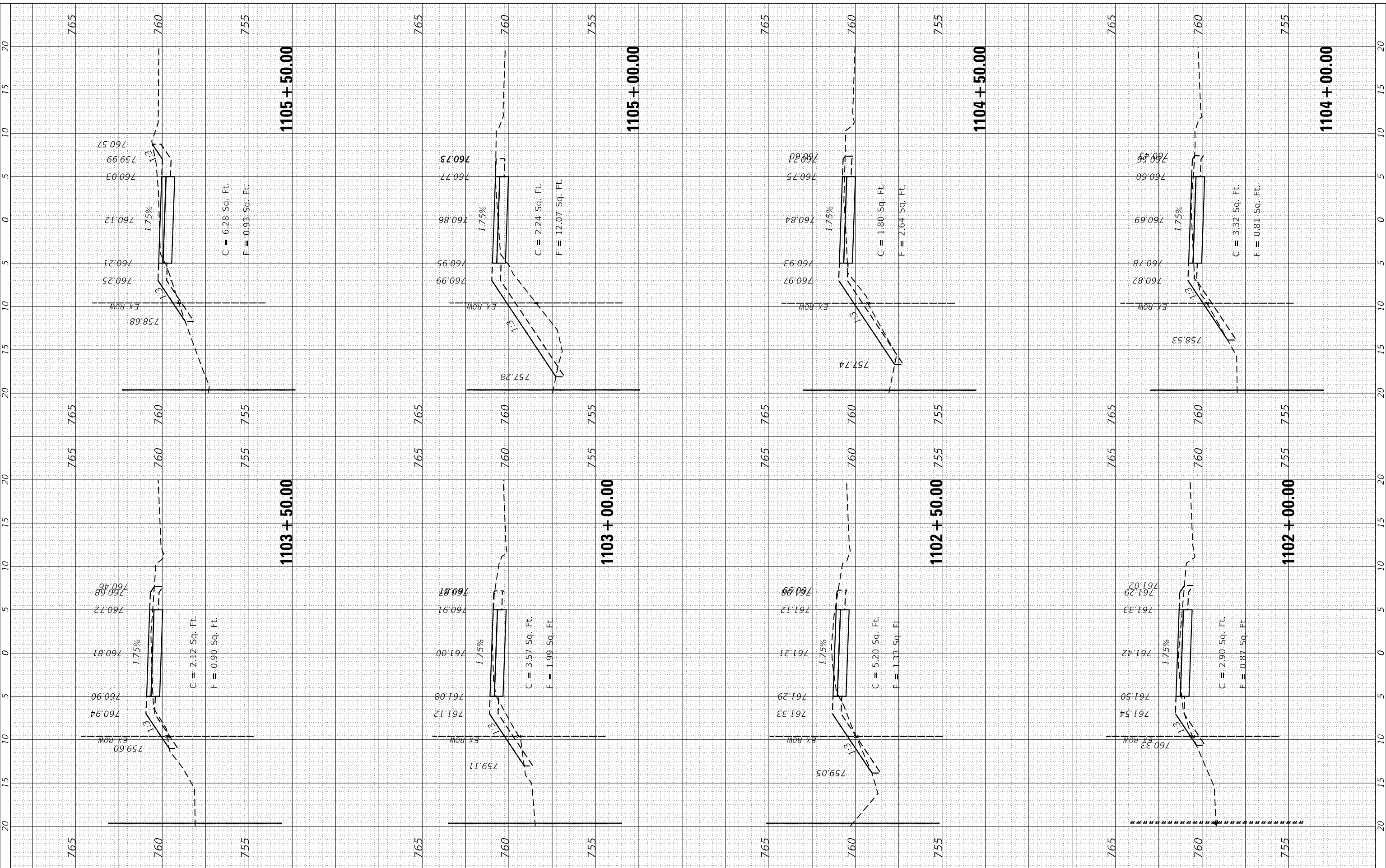
SCALE: SHEET OF SHEETS STA. 1098+50.00 TO STA. 1101+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	173
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\07\Drawings\CAD\Micros\CADD_Sheets\007.XS-CAPALLEN.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1102+00.00 TO STA. 1105+50.00

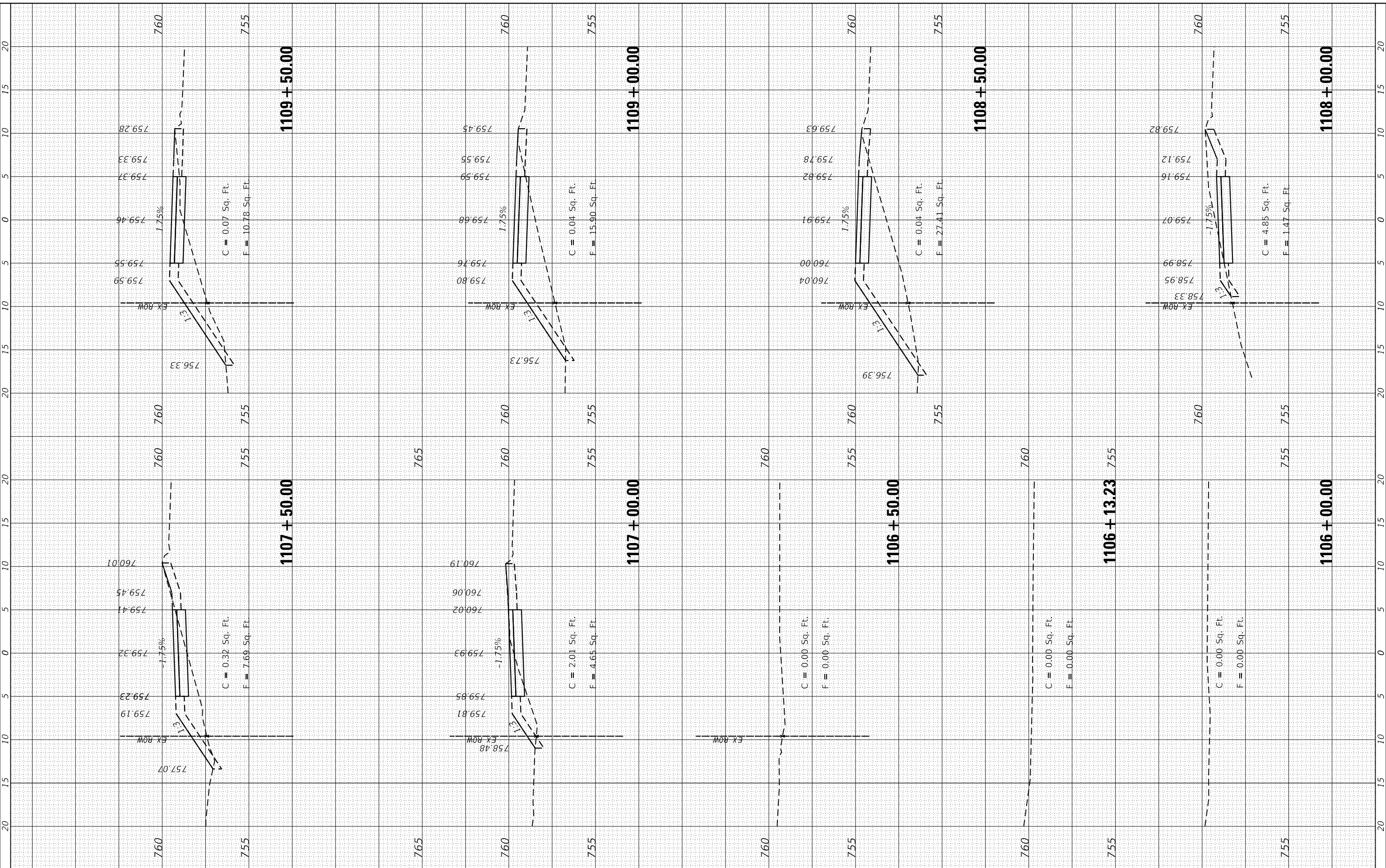
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	174
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087.XS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1" / in.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1106+00.00 TO STA. 1109+50.00

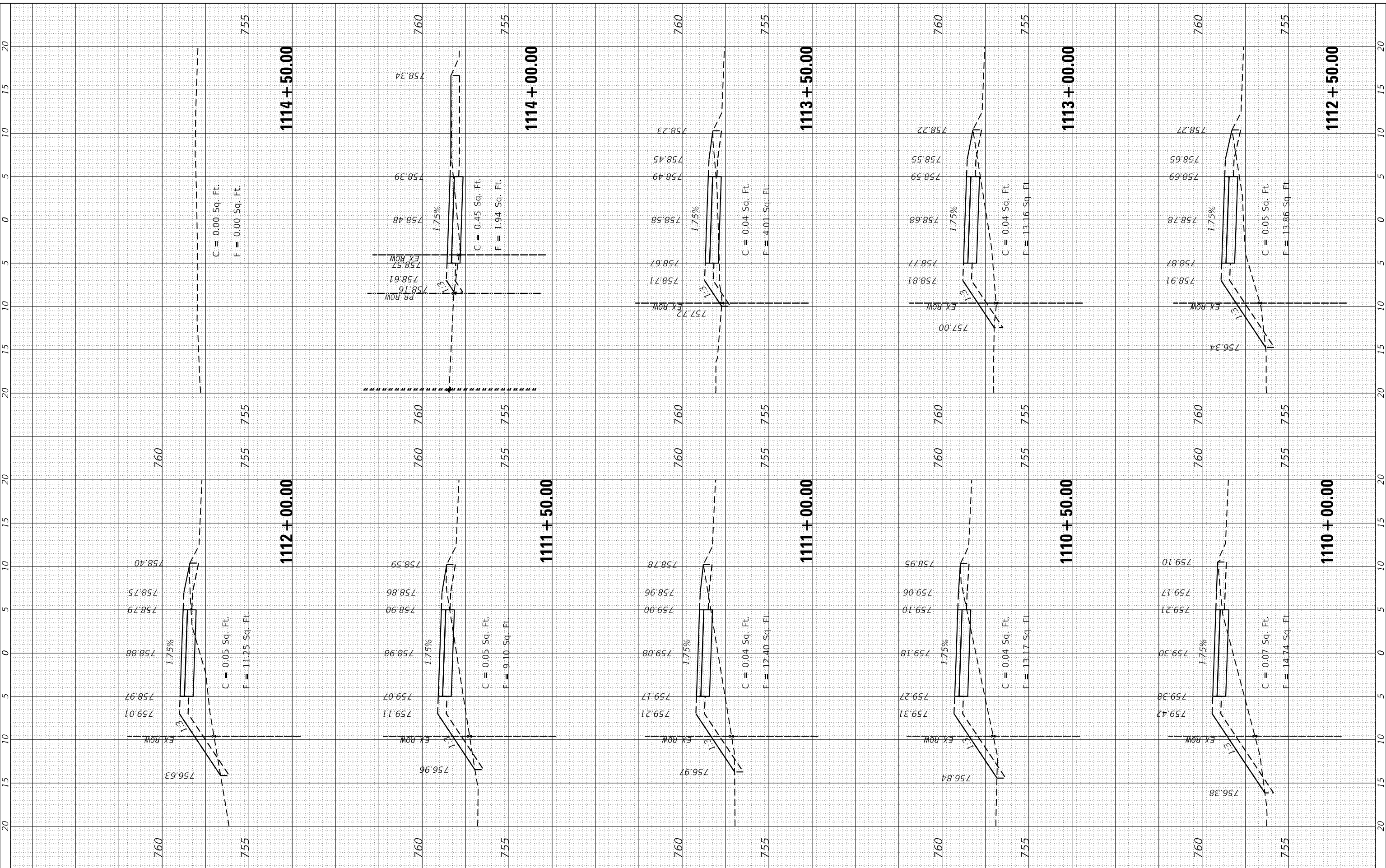
F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	175
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 389\3882\07\Drawings\CAD\Microst\CADD_Sheets\007\AS-CAPALLEN.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1110+00.00 TO STA. 1114+50.00

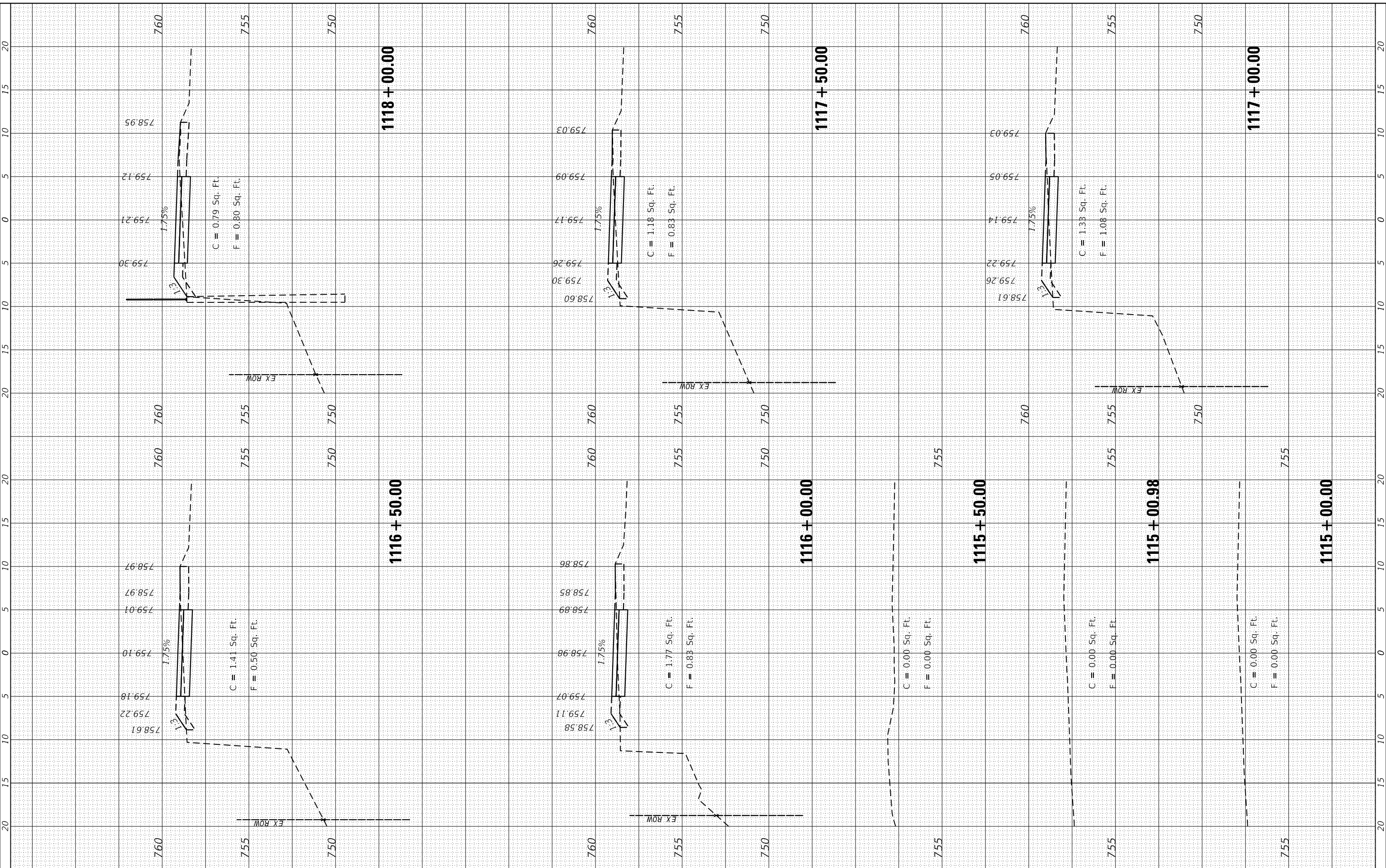
F.A.U. RT.E. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 176
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL138800-3889\3882\087\Drawings\CAD\MicroStation\07\AS-CAPALLEN.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

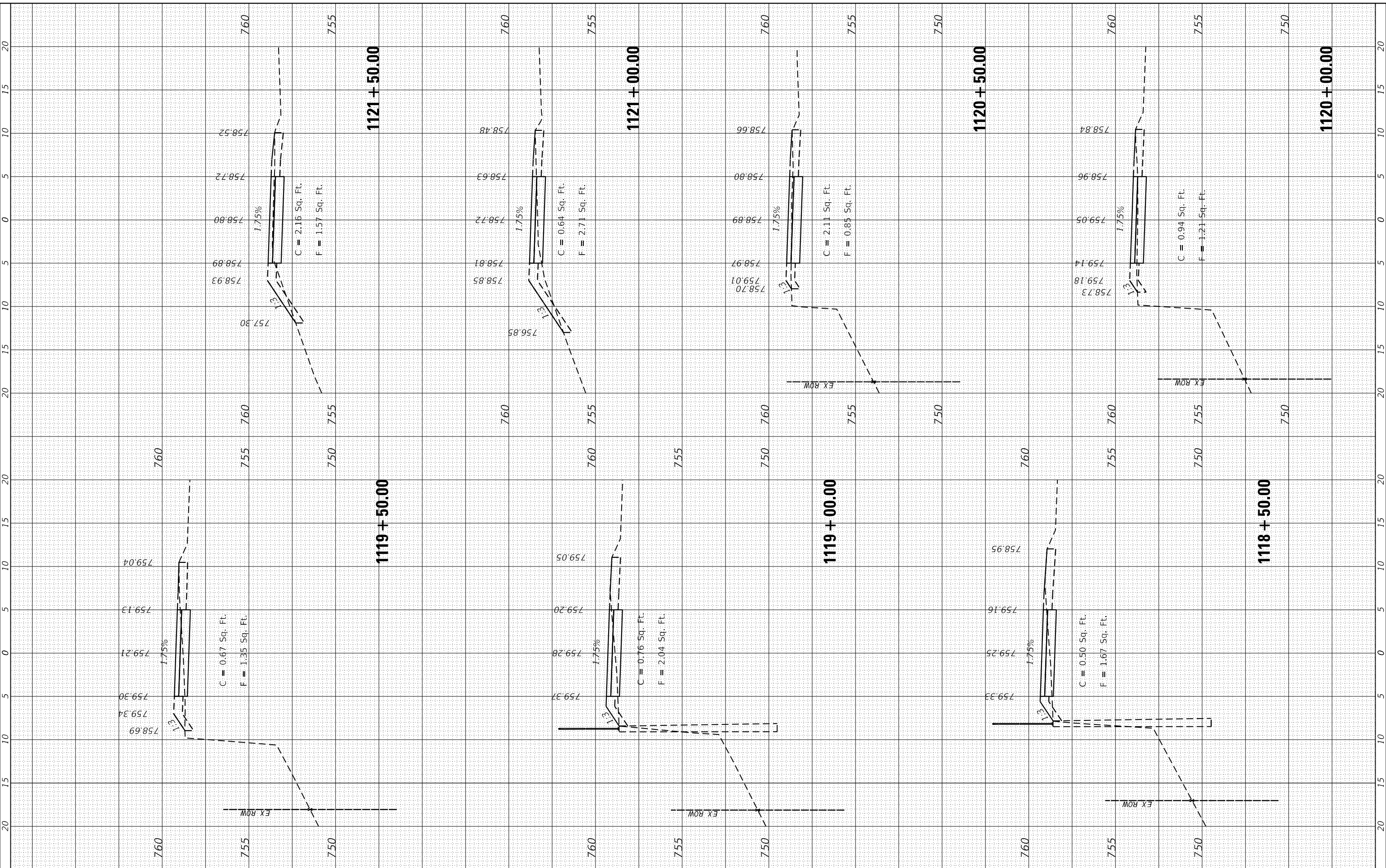
SCALE: SHEET OF SHEETS STA. 1115+00.00 TO STA. 1118+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	177
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\087\Drawings\CAD\Microst\CAD\Sheets\087\AS-CAPALLEN.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1118+50.00 TO STA. 1121+50.00

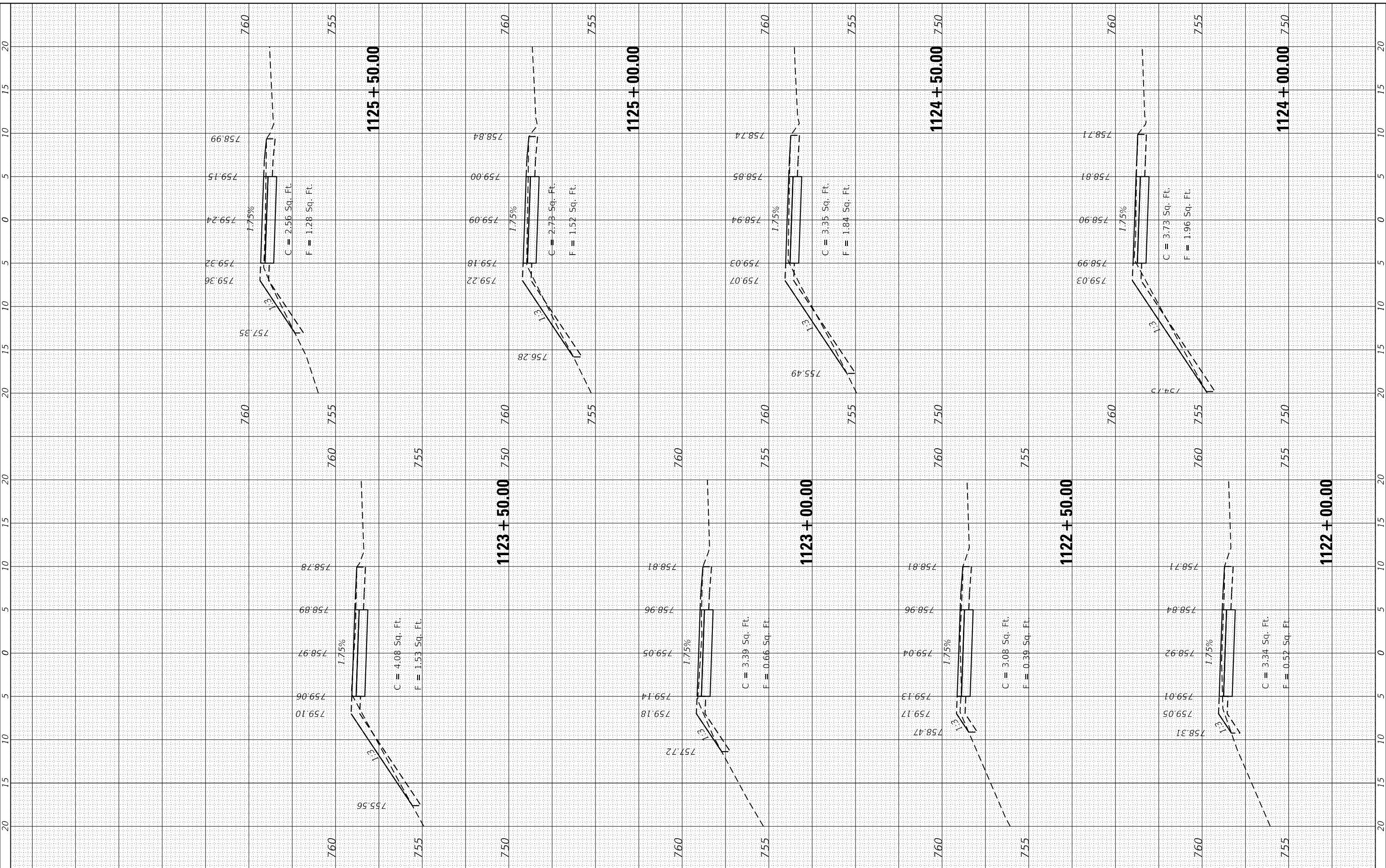
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	178
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3899\3882\007\Drawings\CAD\Micro\CRDD_Sheets\007.XS-CAPALLEN.dgn



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

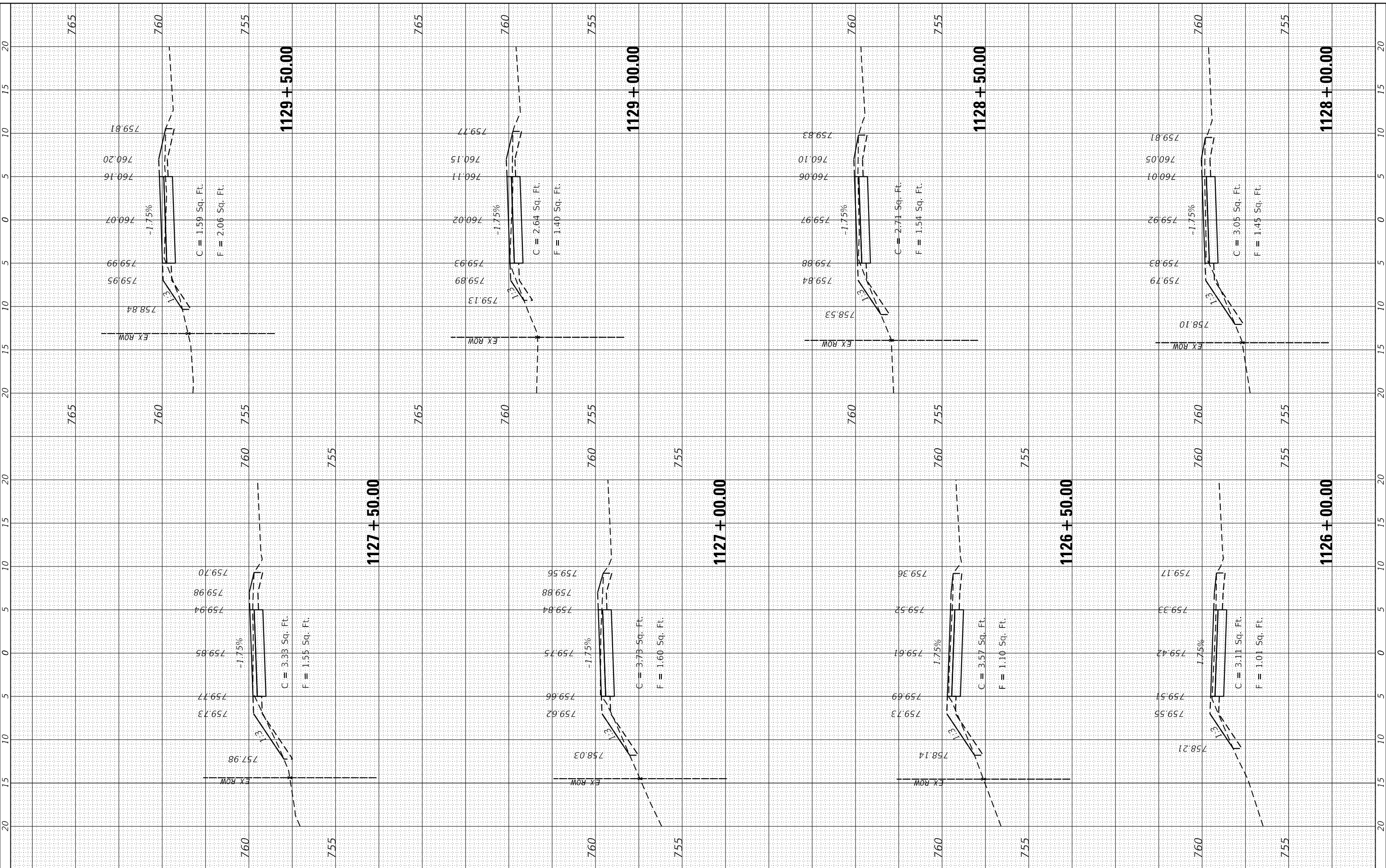
SCALE: SHEET OF SHEETS STA. 1122+00.00 TO STA. 1125+50.00

F.A.U. RE. 2561	SECTION 11-00237-11-BT	COUNTY	TOTAL SHEETS 193	SHEET NO. 179
CONTRACT NO. 61F74			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\087\Drawings\CAD\MicroStation\07\AS-CAPAL\EN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -
MODEL NAME = Default	DRAWN -
PLOT SCALE = 10.0000' / 1"	CHECKED -
PLOT DATE = 11/7/2019	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

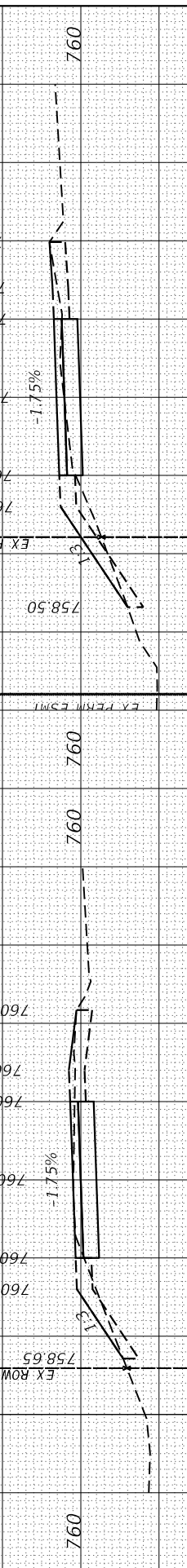
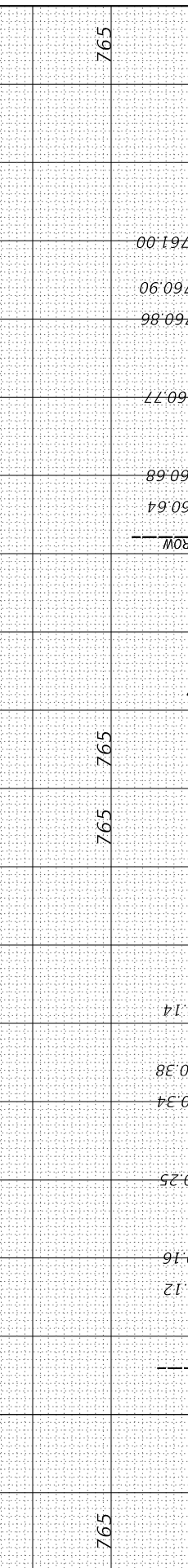
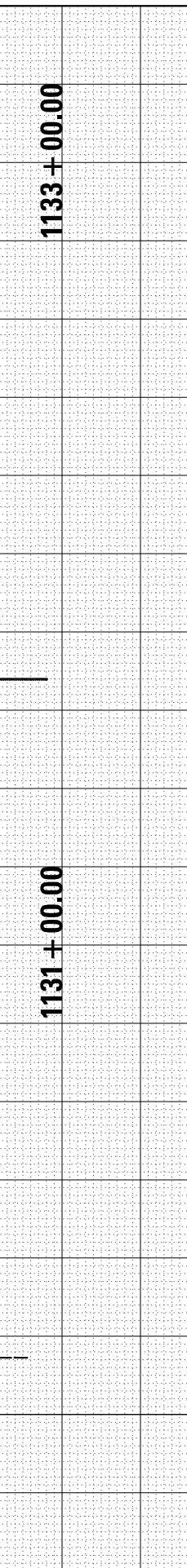
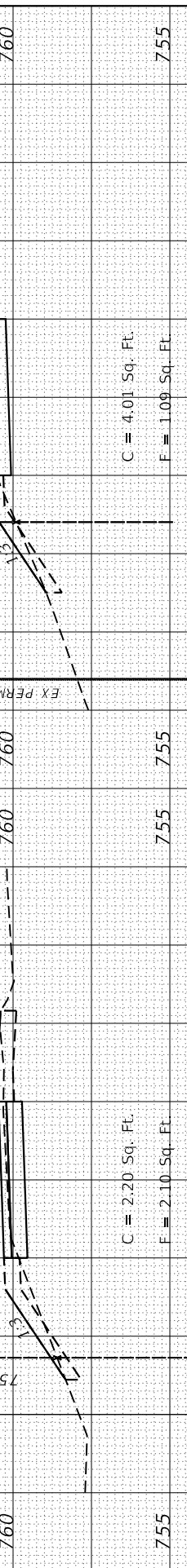
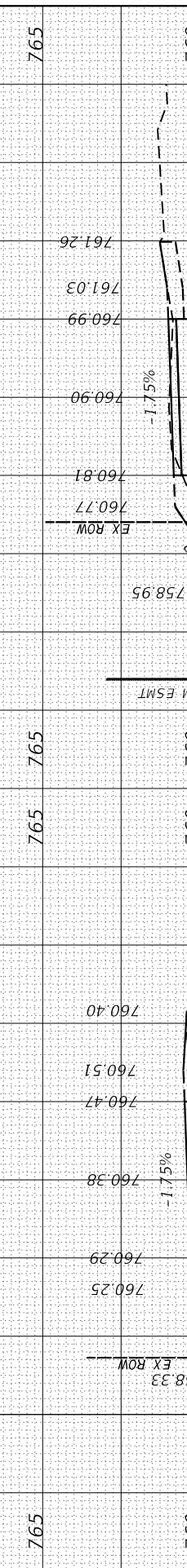
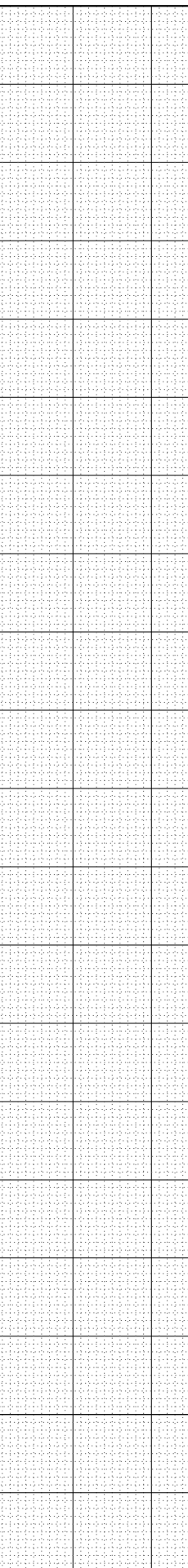
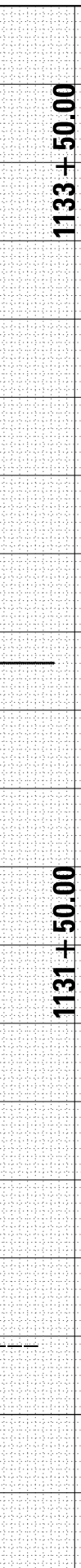
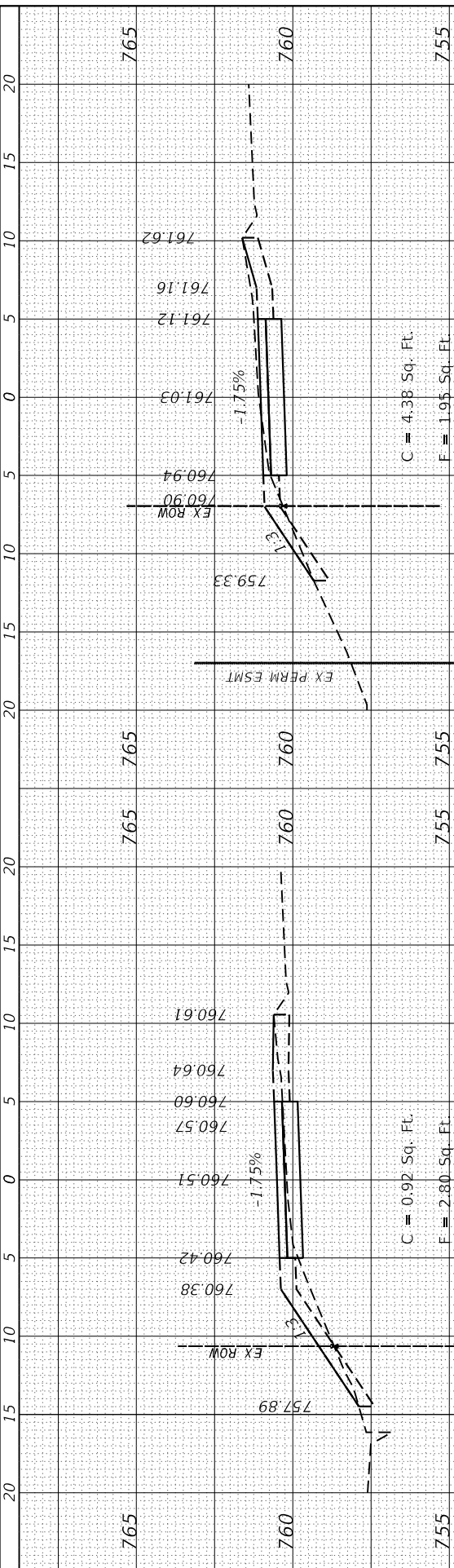
SCALE: SHEET OF SHEETS STA. 1126+00.00 TO STA. 1129+50.00

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 180
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL138800 - 3899\3892\087\Drawings\CAD\MicroStation\07\AS-CAPALLEN.dgn



STRAND ASSOCIATES
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JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / 1" / in.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 1130+00.00 TO STA. 1133+50.00

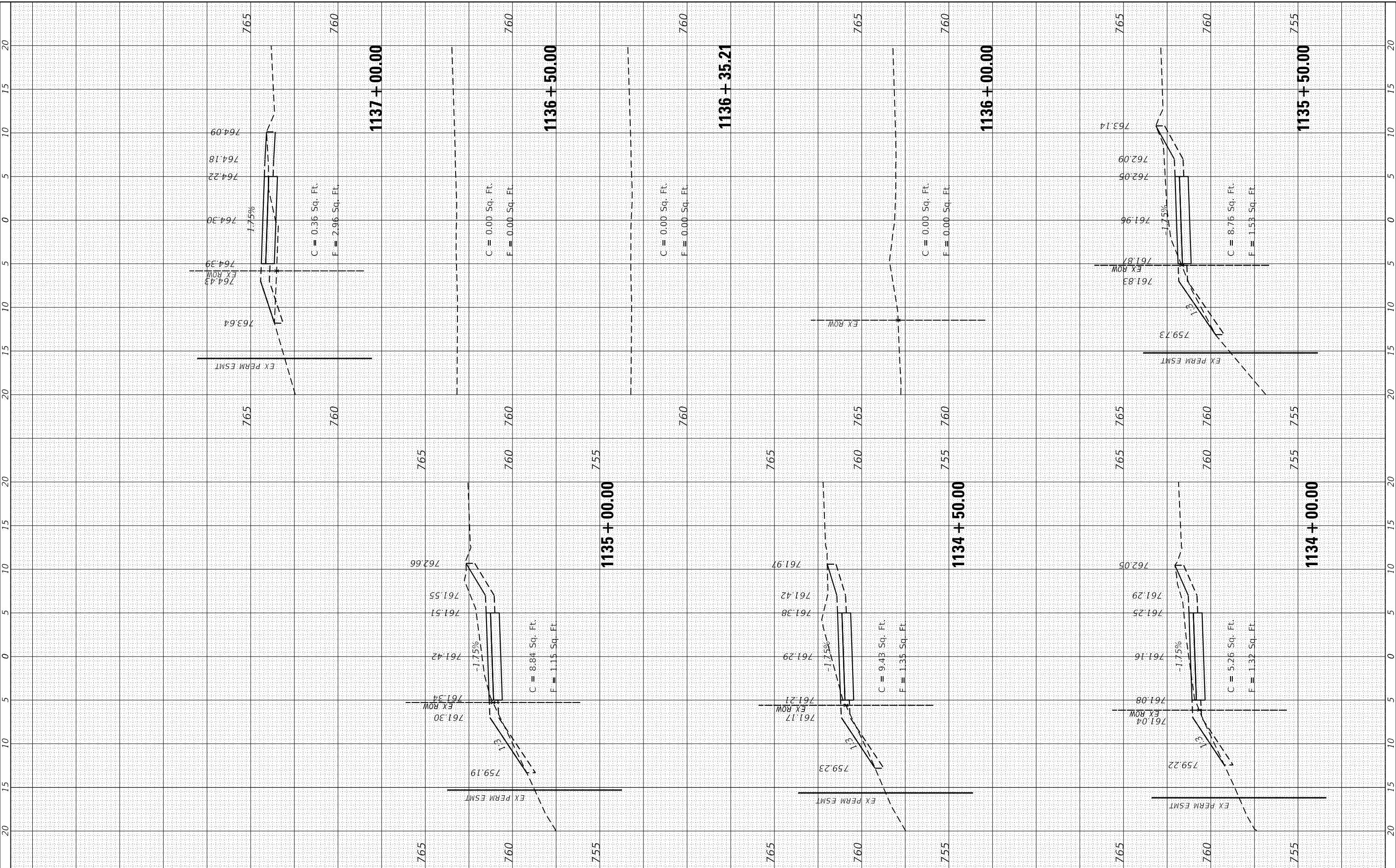
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	181
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL13880-3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

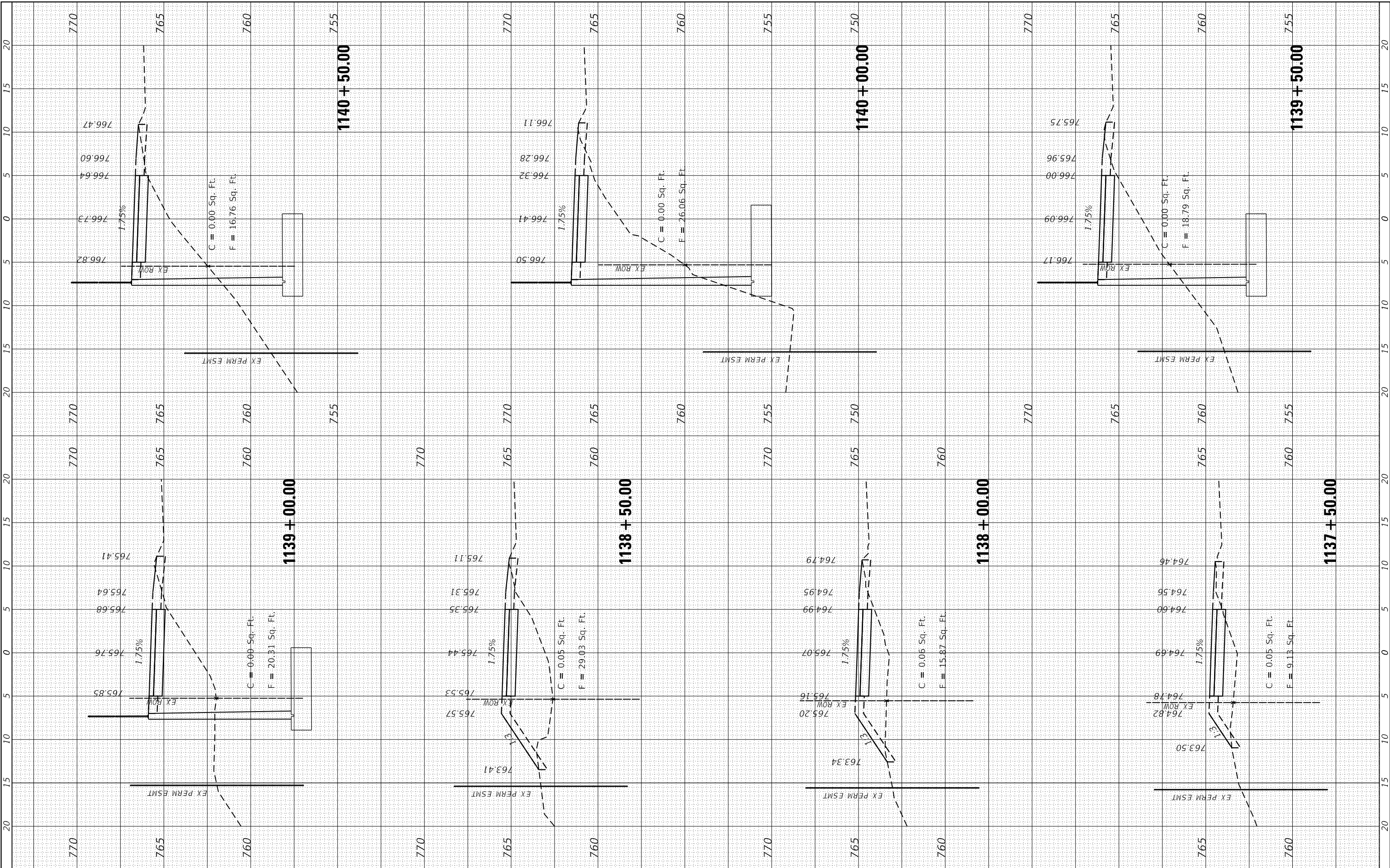
SCALE: SHEET OF SHEETS STA. 1134+00.00 TO STA. 1137+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	182
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA:\JL\3880-3899\3892\087\Drawings\CAD\MicroStation\087\AS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -
MODEL NAME = Default	DRAWN -
PLOT SCALE = 10.0000' / 1"	CHECKED -
PLOT DATE = 11/7/2019	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

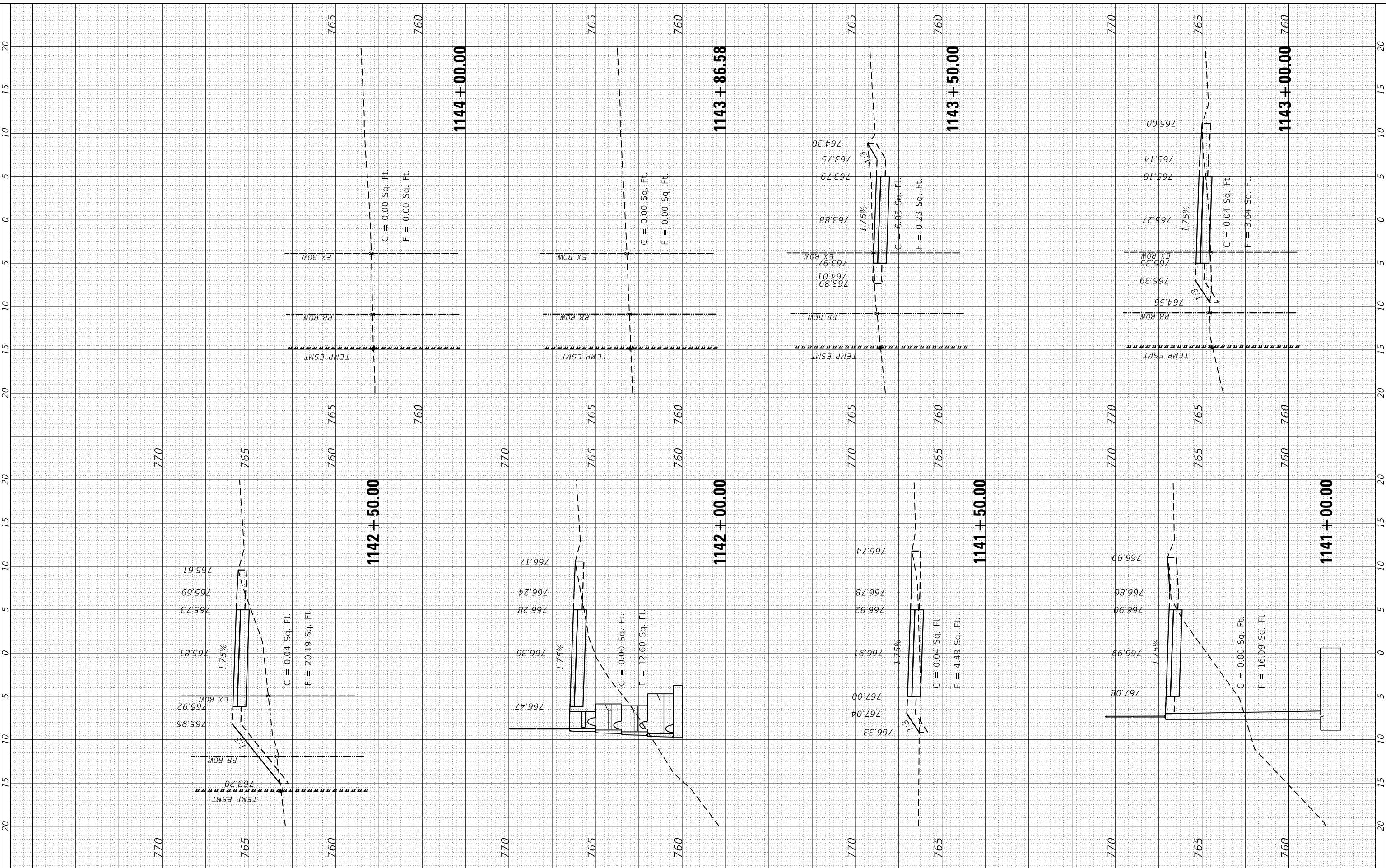
SCALE: SHEET OF SHEETS STA. 1137+50.00 TO STA. 1140+50.00

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 183
CONTRACT NO. 61F74				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL13880-3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-CAPALLEN.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
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(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

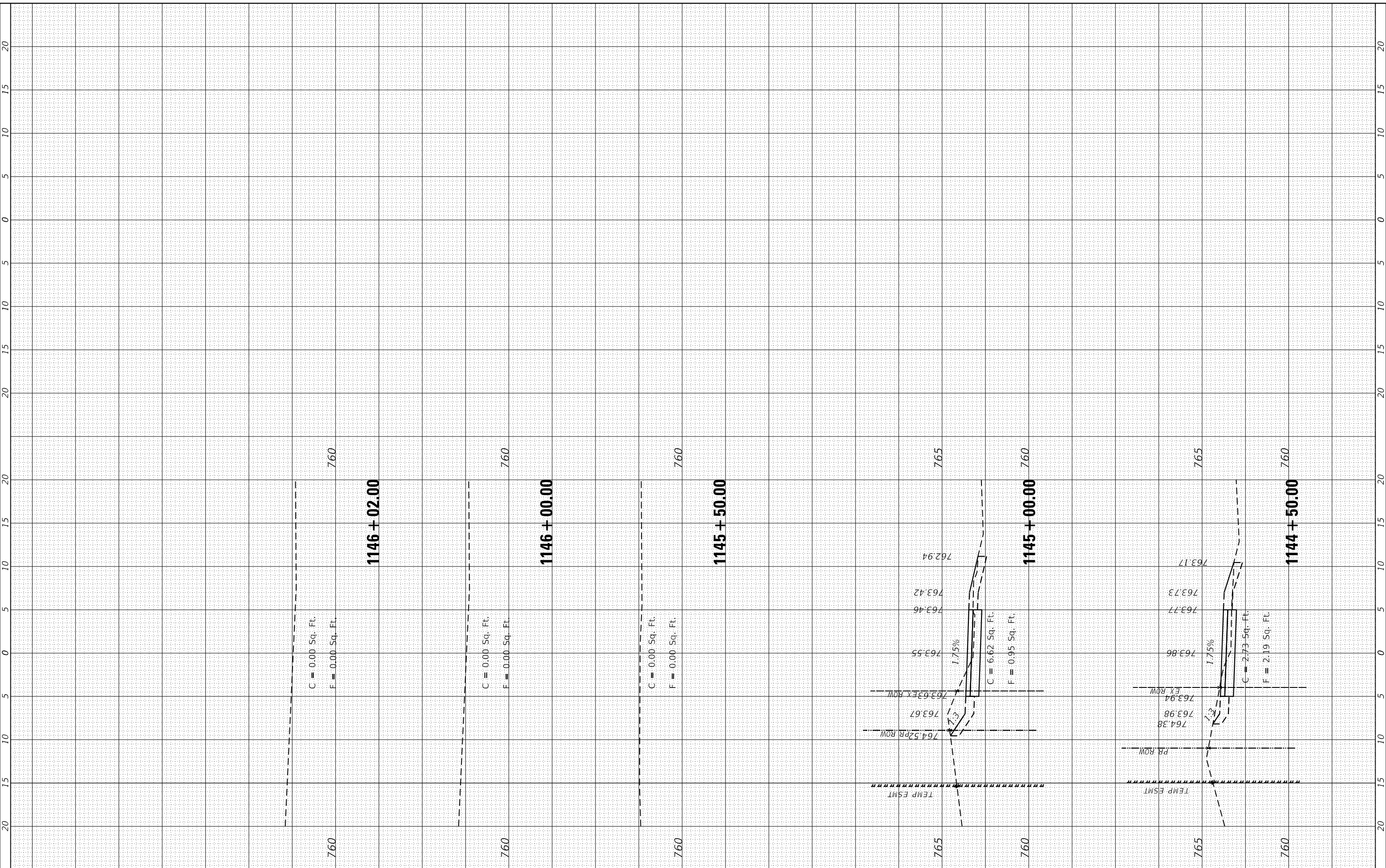
SCALE: SHEET OF SHEETS STA. 1141+00.00 TO STA. 1144+00.00

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY	TOTAL SHEETS 193	SHEET NO. 184
CONTRACT NO. 61F74			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL13880 - 3889\3882\087\Drawings\CAD\MicroStation\CADD_Sheets\087.XS-CAPALLEN.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -
MODEL NAME = Default	DRAWN -
PLOT SCALE = 10.0000" / 1"	CHECKED -
PLOT DATE = 11/7/2019	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

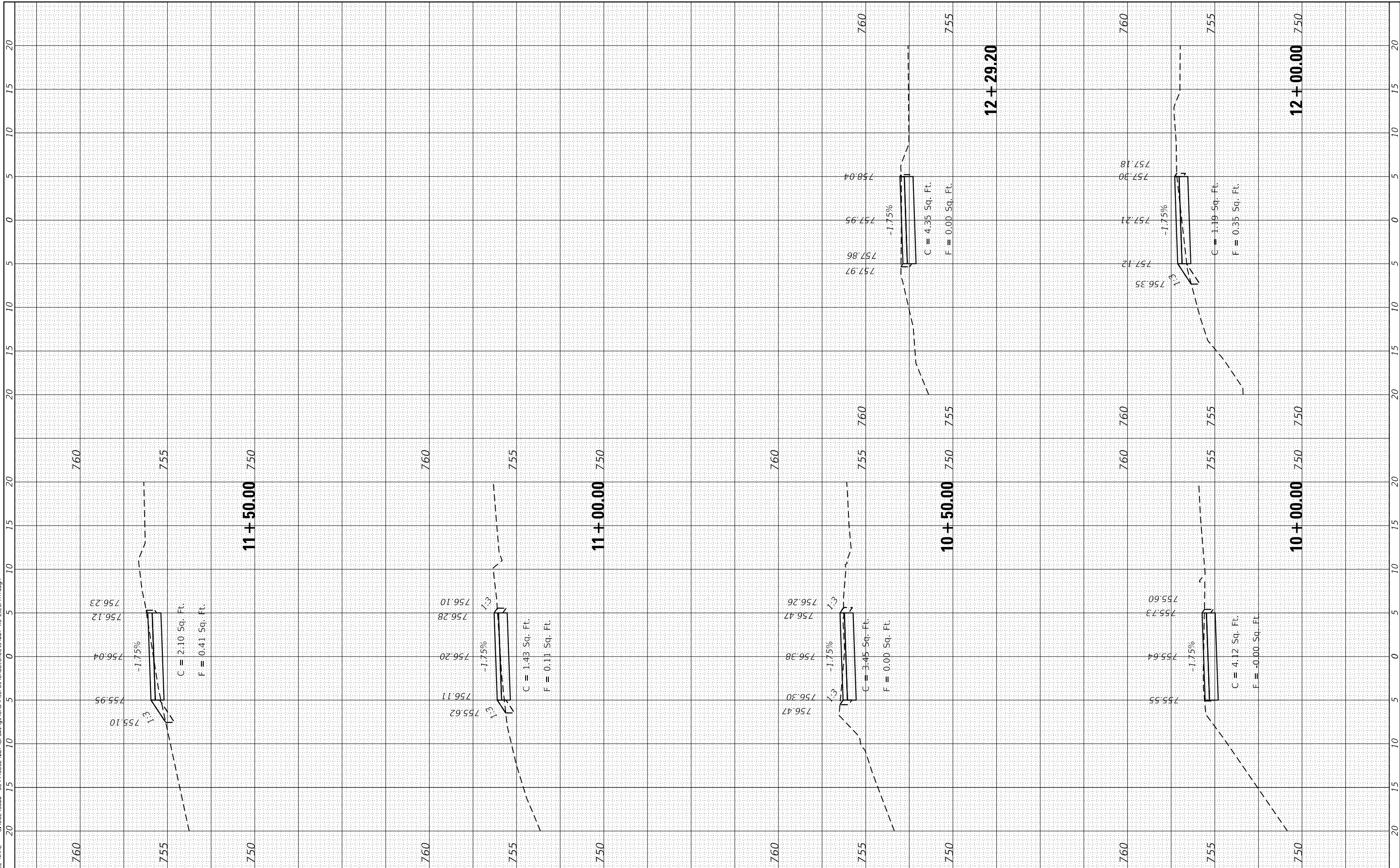
SCALE: SHEET OF SHEETS STA. 1144+50.00 TO STA. 1146+51.93

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 185
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 389\3852\07\Drawings\CAD\Micros\CADD_Sheets\07\AS-LIESPA\H.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

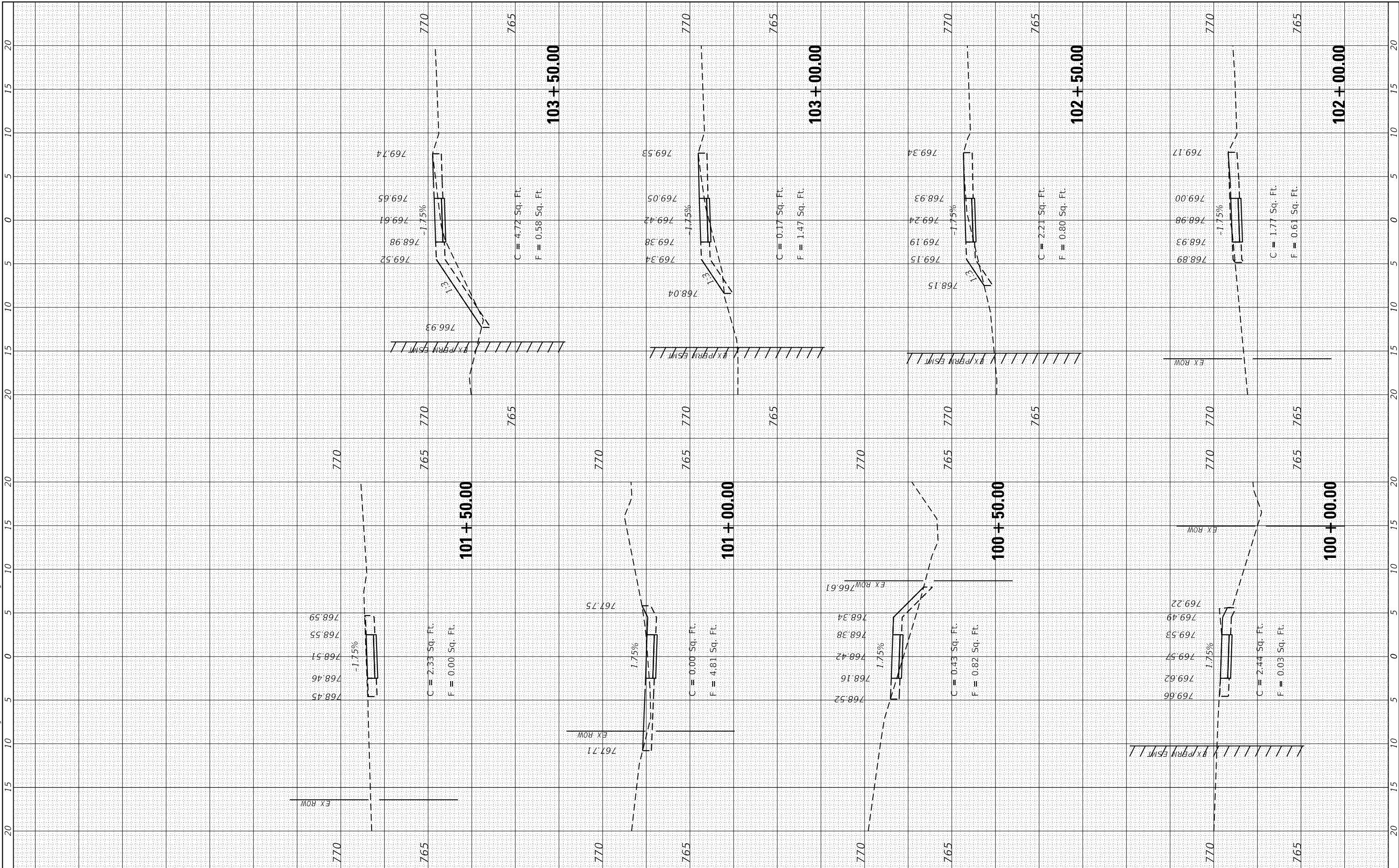
SCALE: SHEET OF SHEETS STA. 10+00.00 TO STA. 12+29.20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	186
CONTRACT NO. 61F74				
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = SA\JUL138800-3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087_XS-AT\JUL13880.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 11/7/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

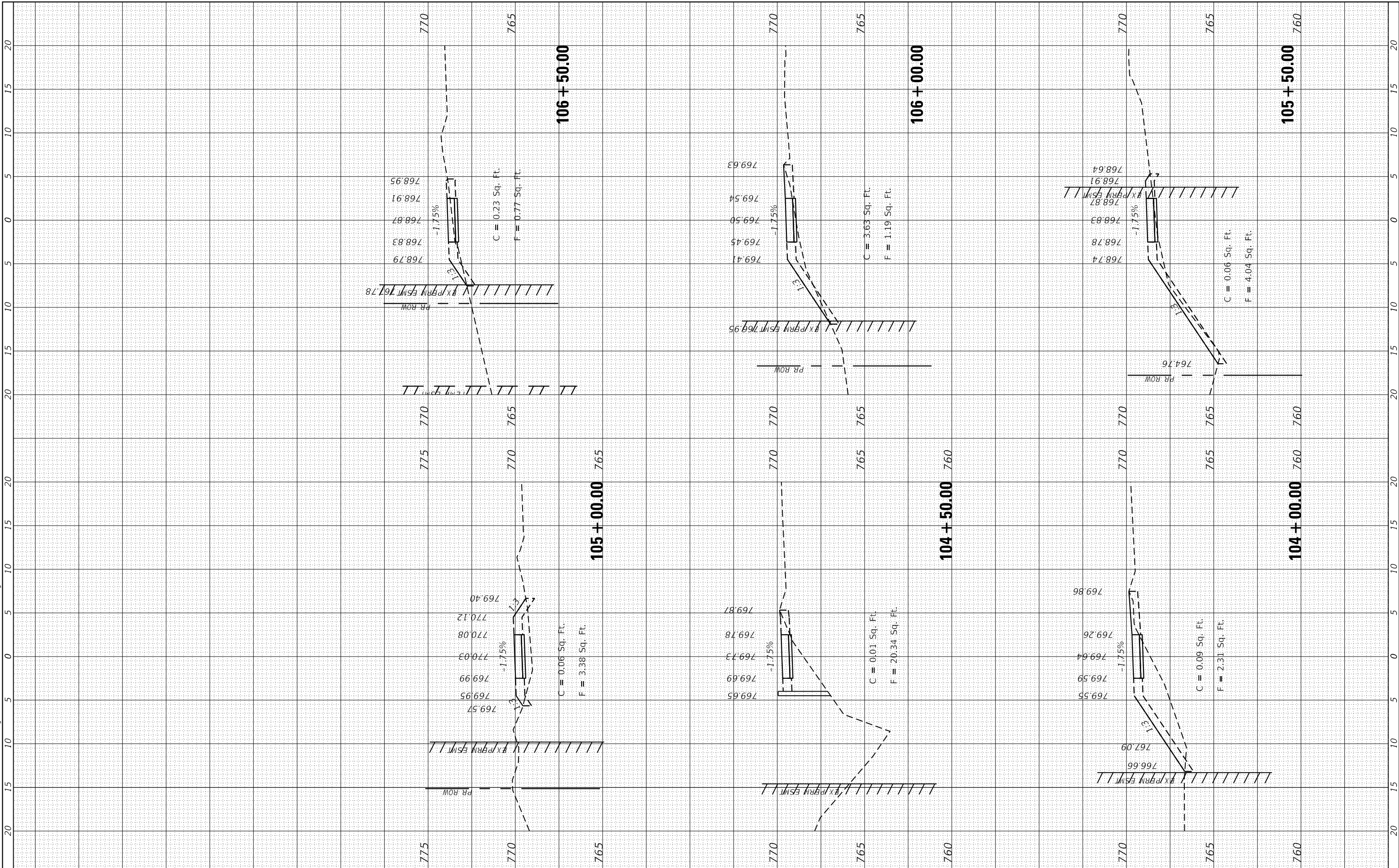
SCALE: SHEET OF SHEETS STA. 100+00.00 TO STA. 103+50.00

F.A.U. RTE. 2561	SECTION 11-00237-11-BT	COUNTY DUPAGE	TOTAL SHEETS 193	SHEET NO. 187
CONTRACT NO. 61F74				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087_XS-AT\JUL.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 MODEL NAME = Default
 PLOT SCALE = 10.0000" / 1"
 PLOT DATE = 11/7/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 104+00.00 TO STA. 106+50.00

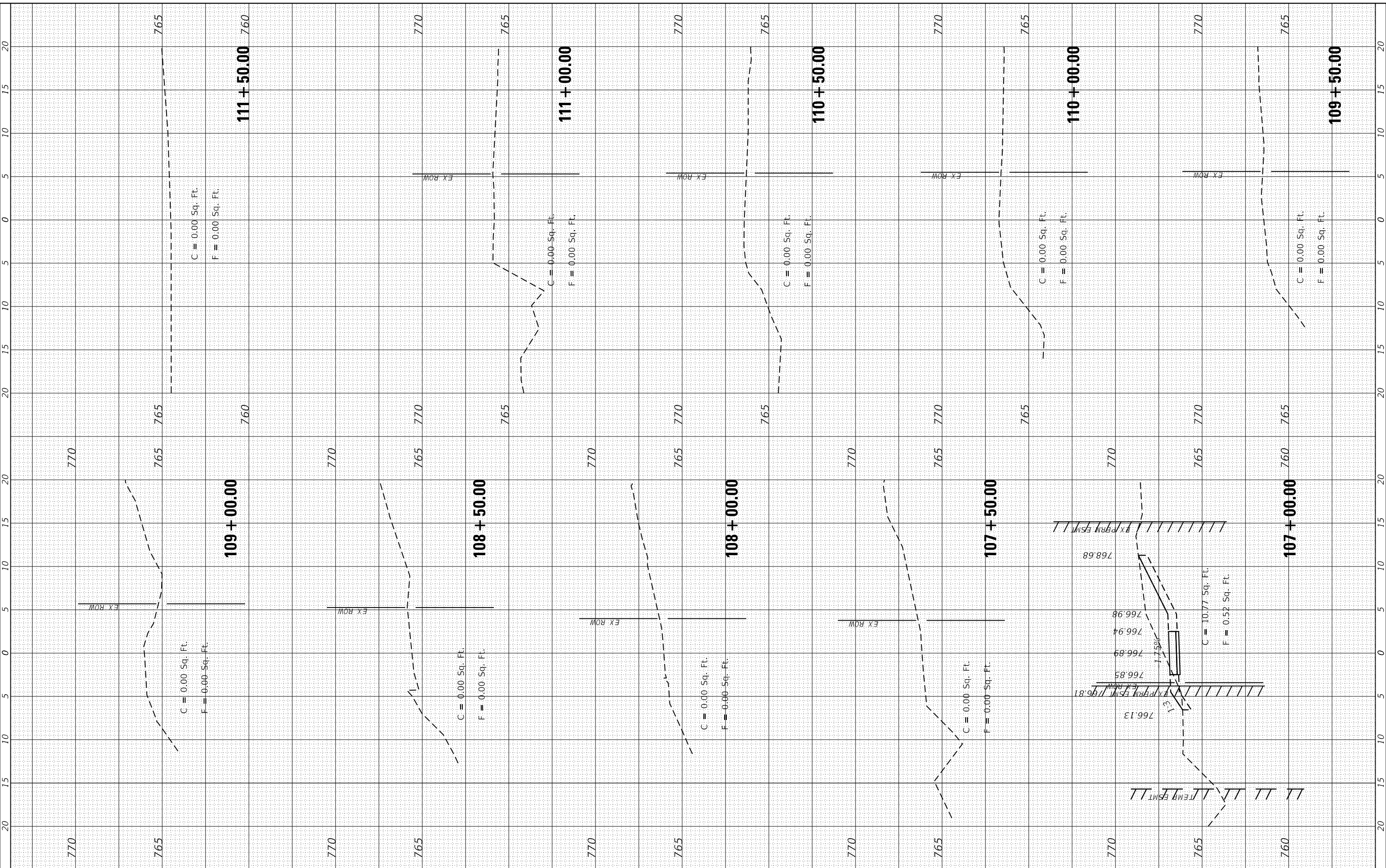
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	188
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880-3889\3852\07\Drawings\CAD\Micros\CADD_Sheets\07\AS-AT\101.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / in.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 107+00.00 TO STA. 111+50.00

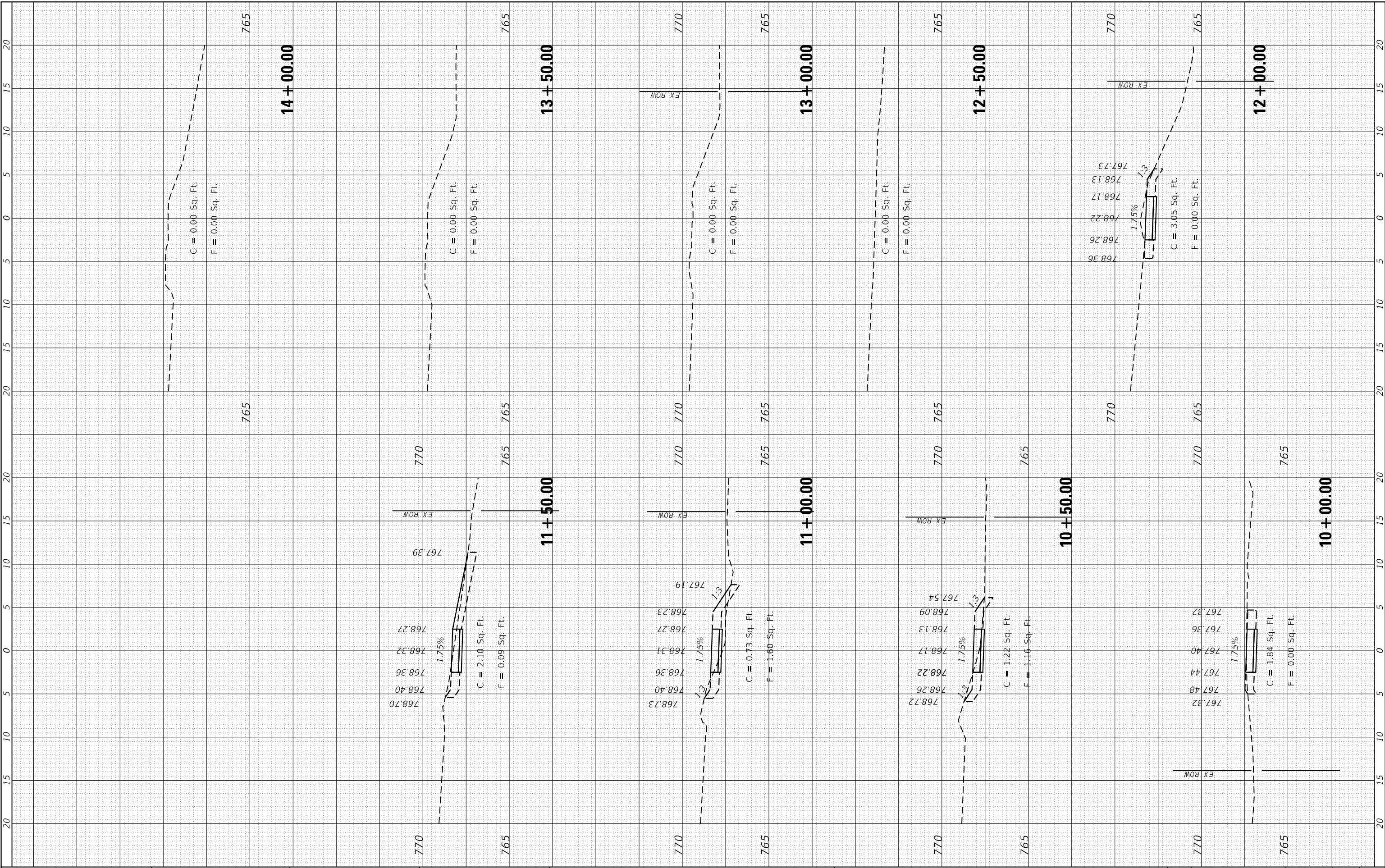
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	189
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\3880 - 3889\3882\087\Drawings\CAD\Micros\CADD_Sheets\087-AS-A\10SOUTH.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000" / 1"
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 10+00.00 TO STA. 14+00.00

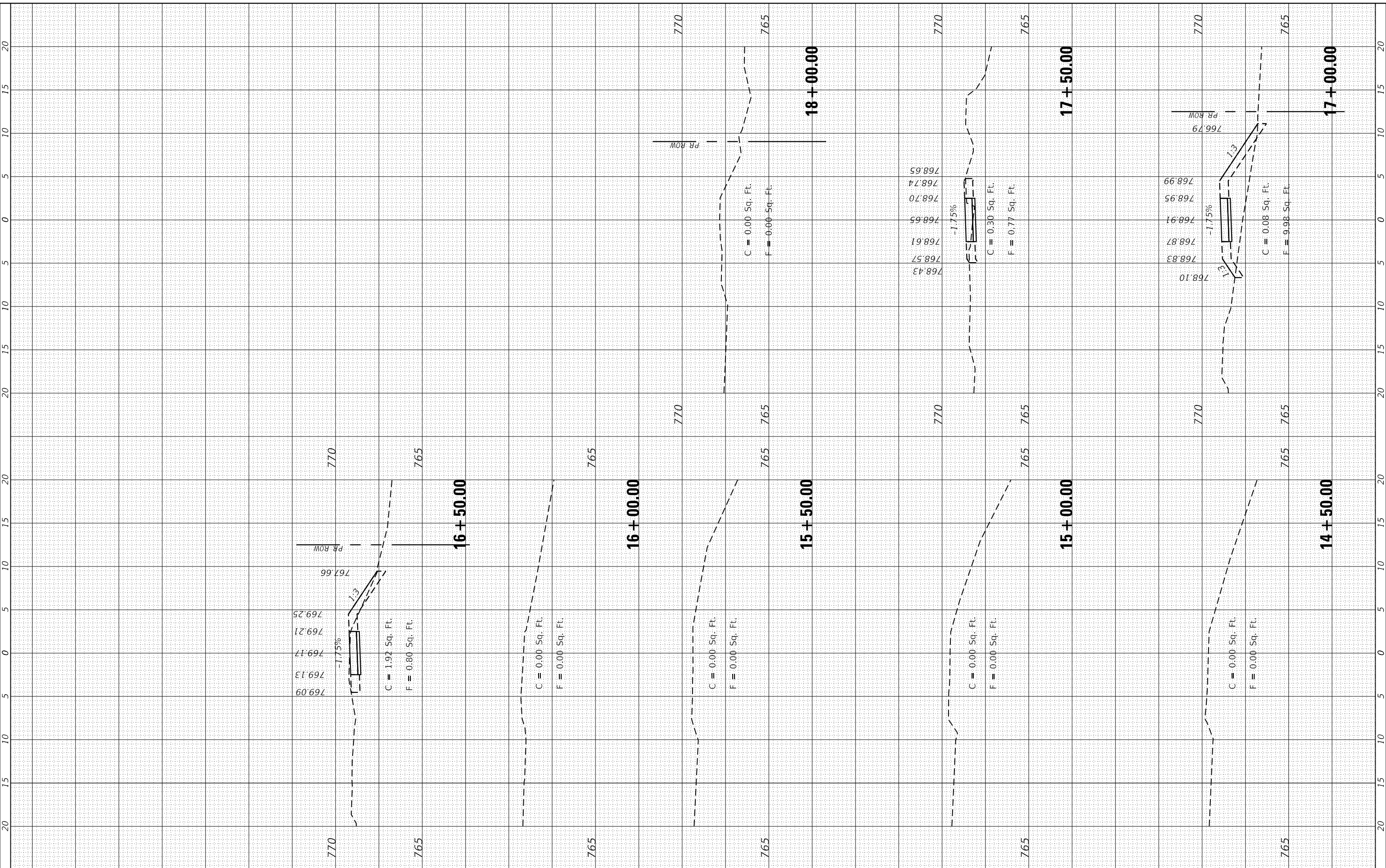
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	192
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = SA\JUL\38800 - 38899\3882\087\Drawings\CAD\Micros\CADD_Sheets\087\AS-A\15OUTH.dgn



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
MODEL NAME = Default
PLOT SCALE = 10.0000' / in.
PLOT DATE = 11/7/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GARY AVENUE MULTI-USE PATH
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 14+50.00 TO STA. 18+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2561	11-00237-11-BT	DUPAGE	193	193
CONTRACT NO. 61F74				

ILLINOIS FED. AID PROJECT