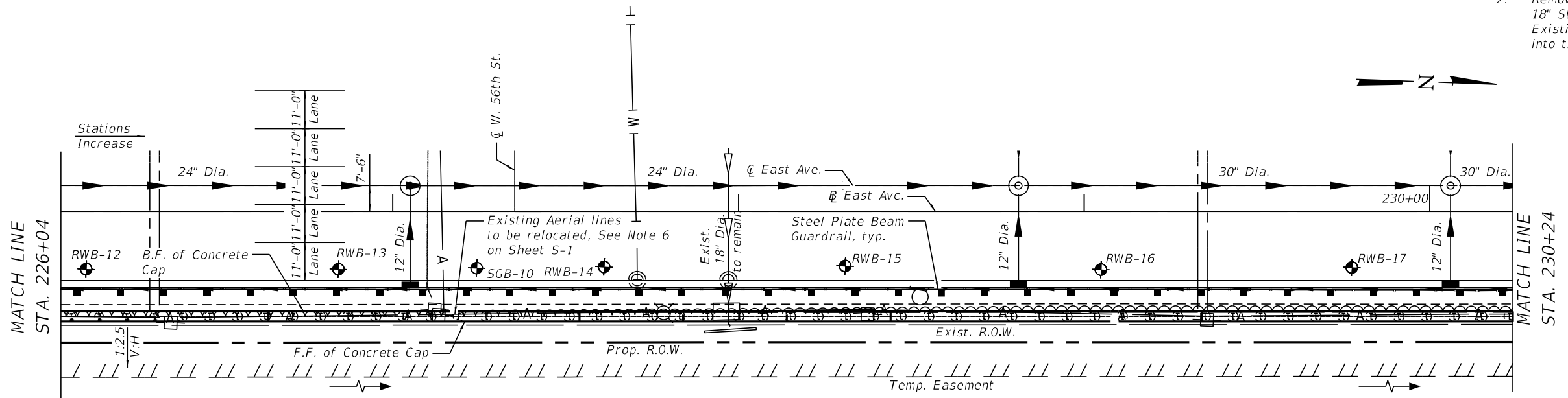


**DEVELOPED ELEVATION**  
(Looking west)

\* For Elevations, see Table 2 on sheet S-14 of S-26  
 \*\* See Sheet S-12 and S-13 of S-26 for Rock Embedment Depth Details.

**NOTES**

1. See Sheet S-1 for legend.
2. Remove bottom lagging in conflict with Existing 18" Storm Sewer. Pipe Underdrain in conflict with the Existing 18" Storm Sewer is allowed to drain directly into the ditch at the Sewer location.



**PLAN**

**GENERAL PLAN AND ELEVATION  
 RETAINING WALL ALONG  
 F.A.U. RTE. 2719 (EAST AVENUE)  
 SECTION 0102N&T  
 COOK COUNTY  
 STATION 217+64 TO 233+49.37  
 STRUCTURE NO. 016-Z022**

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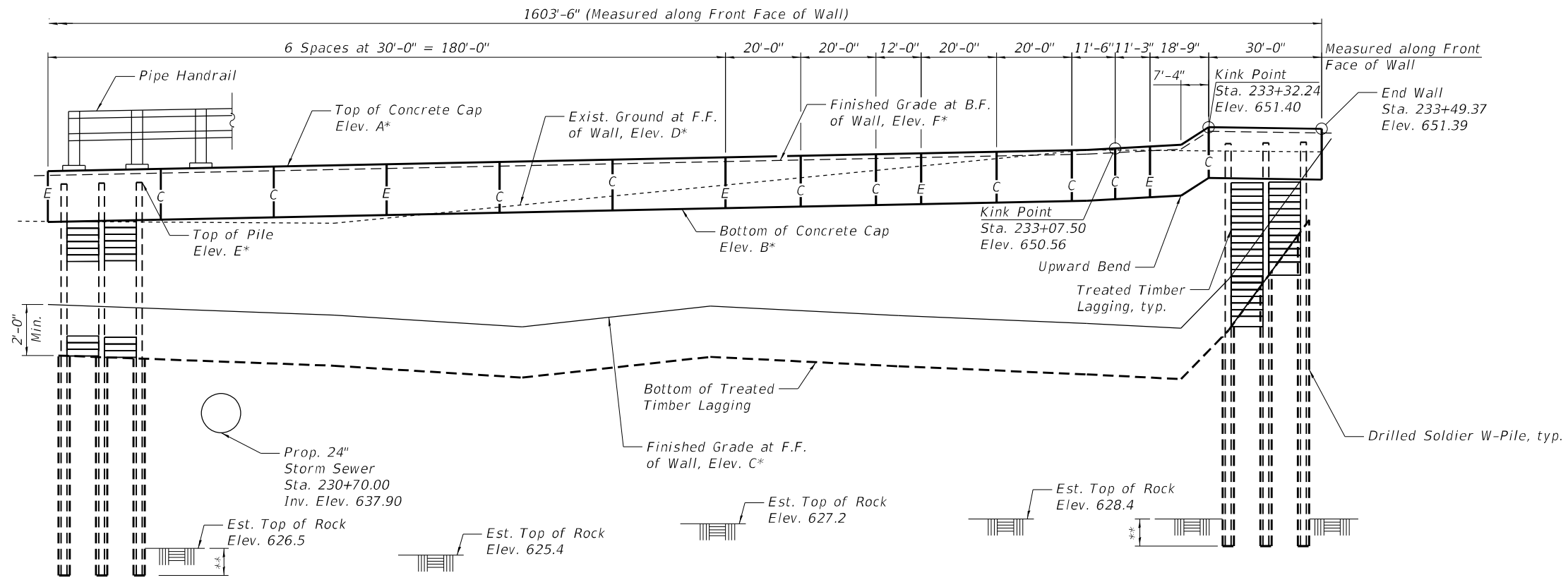


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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SHEET S-3 OF S-26 SHEETS

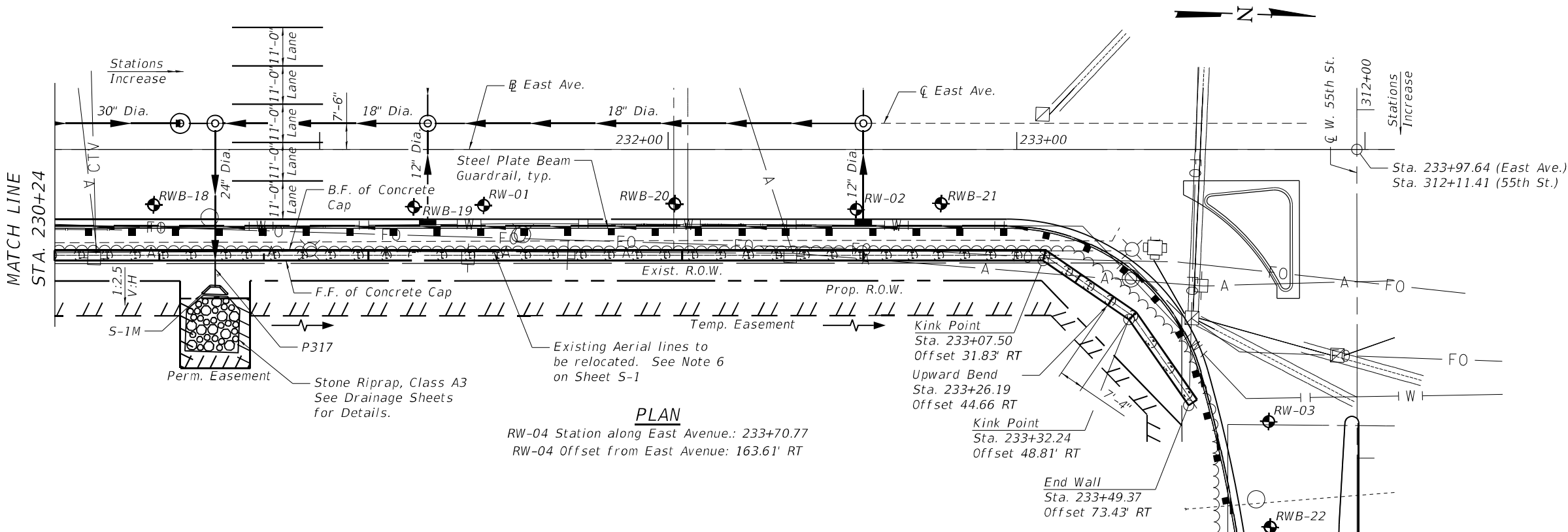
F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 303
			CONTRACT NO. 62C25	
ILLINOIS FED. AID PROJECT				



**DEVELOPED ELEVATION**  
(Looking west)

\* For Elevations, See Table 2 on Sheet S-14 of S-26.

\*\* See Sheet S-12 and S-13 of S-26 for Rock Embedment Depth Details.



**PLAN**

RW-04 Station along East Avenue.: 233+70.77  
RW-04 Offset from East Avenue: 163.61' RT

**NOTES**  
1. See Sheet S-1 for legend.

**GENERAL PLAN AND ELEVATION  
RETAINING WALL ALONG  
F.A.U. RTE. 2719 (EAST AVENUE)  
SECTION 0102N&T  
COOK COUNTY  
STATION 217+64 TO 233+49.37  
STRUCTURE NO. 016-Z022**

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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SHEET S-4 OF S-26 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	304
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

**INDEX OF SHEETS**

- S-1. General Plan and Elevation - I
- S-2. General Plan and Elevation - II
- S-3. General Plan and Elevation - III
- S-4. General Plan and Elevation - IV
- S-5. General Notes, Index of Sheets and Total Bill of Material
- S-6. Plan and Elevation I
- S-7. Plan and Elevation II
- S-8. Plan and Elevation III
- S-9. Plan and Elevation IV
- S-10. Plan and Elevation V
- S-11. Plan and Elevation VI
- S-12. Soldier Pile Section and Details - I
- S-13. Soldier Pile Section and Details - II
- S-14. Soldier Pile Details and Bill of Material
- S-15. Pile Details
- S-16. Pipe Handrail Details
- S-17. Boring Logs - 1
- S-18. Boring Logs - 2
- S-19. Boring Logs - 3
- S-20. Boring Logs - 4
- S-21. Boring Logs - 5
- S-22. Boring Logs - 6
- S-23. Boring Logs - 7
- S-24. Boring Logs - 8
- S-25. Boring Logs - 9
- S-26. Boring Logs - 10

**SEQUENCE OF CONSTRUCTION**

1. Locate existing utilities that are to remain. Contractor to coordinate any required improvements to, or removals of, existing utilities with utility owner. See Roadway Plans.
2. Drill for Soldier Pile shafts, install soldier piles, concrete encasement and CLSM.
3. Excavate earth in front of wall and chip away CLSM to install geocomposite wall drain, timber lagging and pipe underdrains.
4. Construct concrete cap as shown in the plans.
5. Backfill in front of wall. Backfill behind wall.
6. Install hand rail.

**GENERAL NOTES**

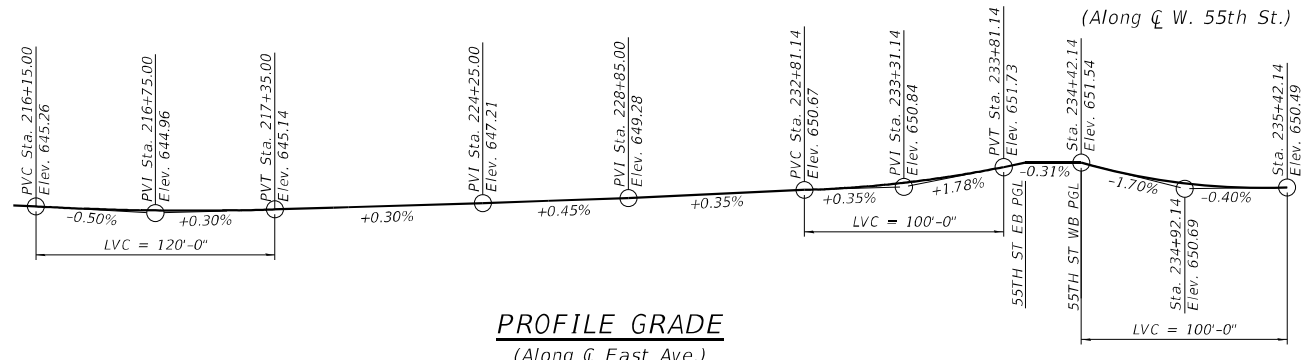
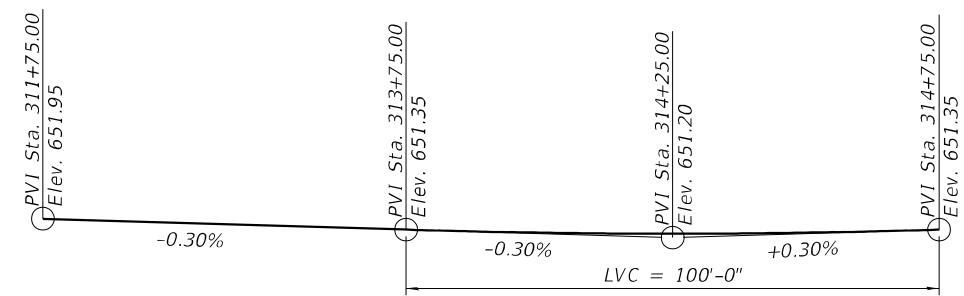
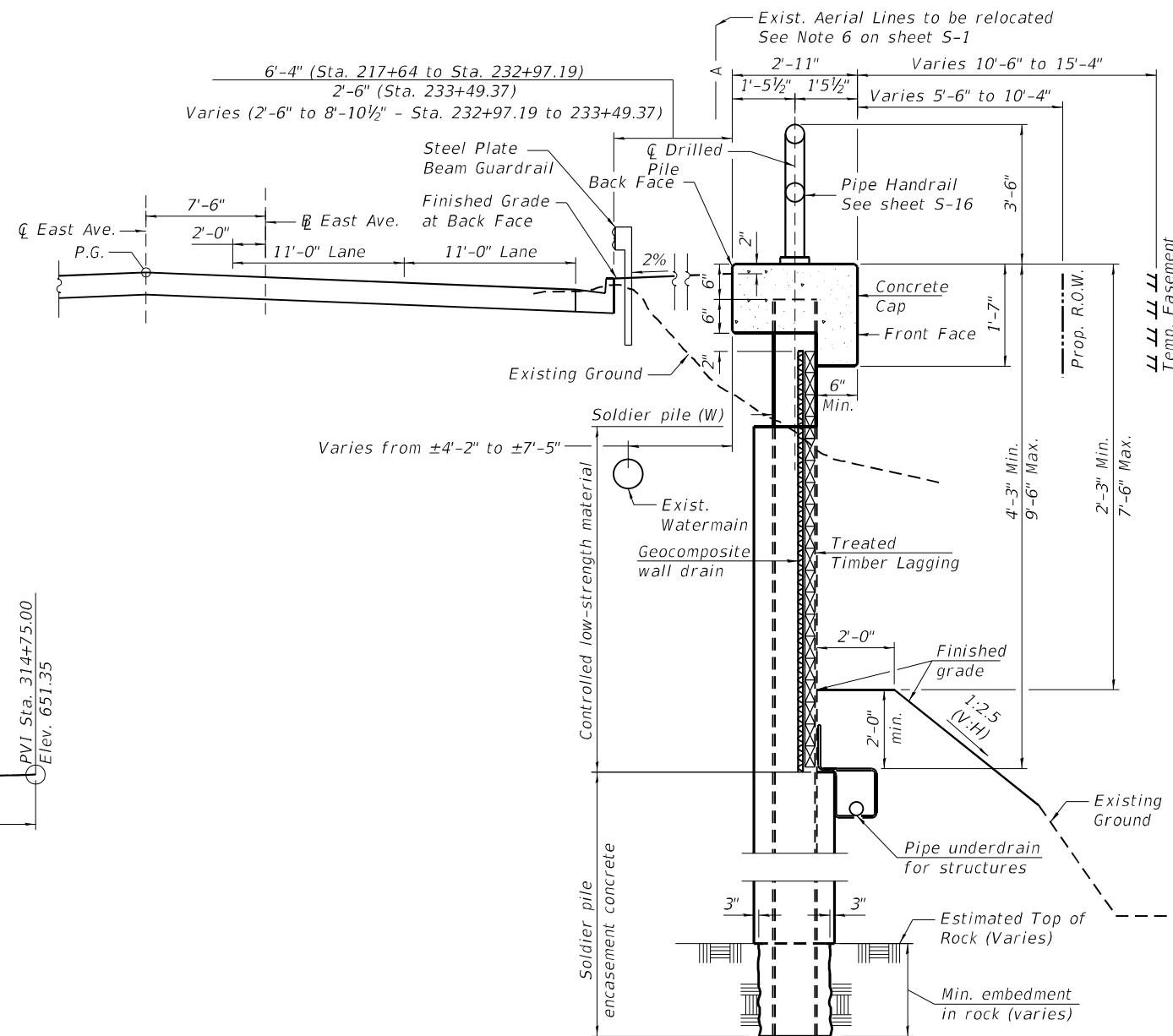
1. Reinforcement bars designated "(E)" shall be epoxy coated.
2. Concrete sealer shall be applied to exposed surfaces of the concrete cap.
3. Existing utilities in conflict with retaining wall construction shall be protected or relocated according to directions given on the status of utilities. See Roadway Plans.
4. The Contractor shall take all necessary precautions not to contaminate groundwater during the drilled soldier pile construction operation. Contractor is responsible for the proper containment and disposal of the contaminated groundwater and soils resulting from Contractor's means and methods. No additional cost will be paid for this effort.
5. Any storage of construction equipment and material behind the wall is not allowed.
6. Earth excavation in front of the wall shall be gradual and no more than 4'-0" vertical of earth shall be excavated at a time in front of the wall. The elevation difference between adjacent excavated areas in front of wall shall not vary by more than 6'-0" vertical over a distance of 50'-0" horizontal as measured along the length of the wall.
7. Concrete for Drilled Soldier Pile Encasement shall be in accordance with Section 522 of Standard Specifications, except that the mix design of concrete shall attain a compressive strength of 7,000 psi at 14 days. Soldier Pile Encasement shall extend from bottom of timber lagging elevation to bottom of pile tip. Cost included with Drilling and Setting Soldier Piles (In Soil).
8. Structure Excavation is measured 2'-0" from the front face of the wall to back of timber lagging.
9. The Contractor's IL licensed Structural engineer is responsible for the design and performance of the treated timber lagging. The treated timber lagging shall be structural square cut dense Southern Pine or dense Douglas Fir. The lagging is required to conform to Article 507 and 1007.03 of the Standard Specifications. Minimum allowable bending stress (Fb) shall be 1600 psi. Minimum nominal thickness shall be 4 inches. See Section Thru Drilled Soldier Piles on Sheet S-12 of S-26.
10. The drain shall be placed behind the lagging with the pervious side towards the soil according to Section 591 of the Standard Specifications and shall extend to within 6 in. of either side soldier pile flange. The drain shall be installed in stages as the excavation proceeds downward making sure that drain splices as well as the top side edges are covered as required to protect the drain core from soil intrusion.
11. If the elevation of bedrock is lower than anticipated in Sheets S-1 thru S-4 of S-26 such that the length of the soldier pile below the dredge line is increased by more than ten percent, the Engineer shall be notified to determine if any soldier pile design changes are required.
12. The quantities and detailing shown on the planset are based on the top of pile elevation and estimated top of rock elevations shown and may change based on the actual top of rock encountered.

STATION 217+64 to 233+49.37  
 BUILT 20 BY  
 STATE OF ILLINOIS  
 F.A.U. RTE. 2719 (EAST AVENUE)  
 SECTION 0102N&T  
 STRUCTURE NO. 016-Z022

**NAME PLATE**  
 See Std. 515001

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu Yd	974
Concrete Structures	Cu Yd	190.6
Furnishing and Erecting Structural Steel	Pound	780
Reinforcement Bars, Epoxy Coated	Pound	23,020
Pipe Handrail	Foot	1,604
Name Plates	Each	1
Furnishing Soldier Piles (W Section)	Foot	6,017
Drilling and Setting Soldier Piles (In Soil)	Cu Ft	20,011
Drilling and Setting Soldier Piles (In Rock)	Cu Ft	14,457
Treated Timber Lagging	Sq Ft	9,199
Concrete Sealer	Sq Ft	7,216
Geocomposite Wall Drain	Sq Yd	820
Pipe Underdrains for Structures, 4"	Foot	1,623



**SECTION THRU SOLDIER PILE WALL**  
 (Looking North)

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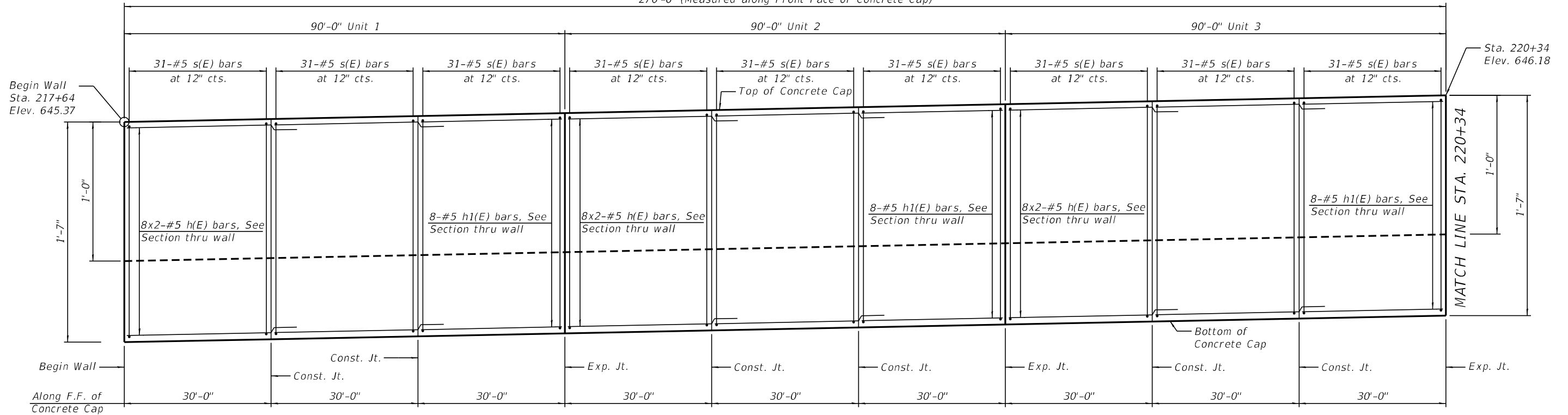
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIALS**  
**STRUCTURE NO. 016-Z022**

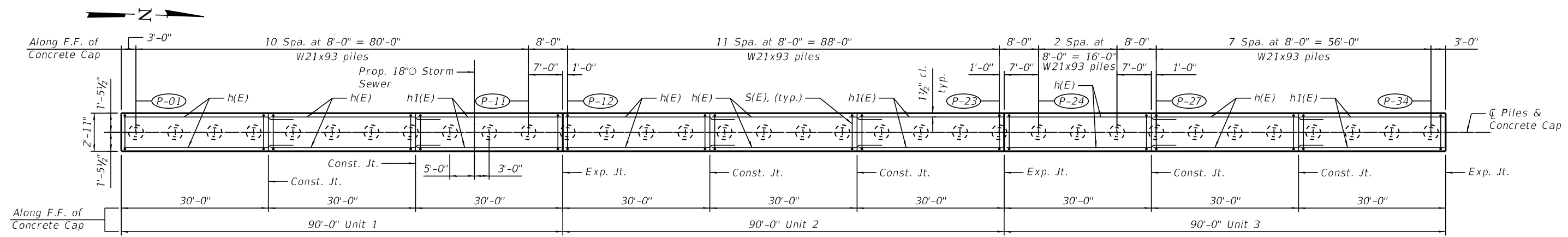
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

270'-0" (Measured along Front Face of Concrete Cap)



Prop. 18"Ø  
Storm Sewer  
Inv. Elev. 639.65

**ELEVATION**  
(Looking west at F.F. of Wall)



**PLAN**  
(Concrete Cap exaggerated for clarity)

**MIN. BAR LAP**  
#5 Bars = 3'-7"

- NOTES**
1. See Sheet S-5 of S-26 for typical wall section details.
  2. See Sheets S-12 and S-13 of S-26 for soldier pile layout.
  3. See Sheet S-14 of S-26 for details and Bill of Material.
  4. Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.

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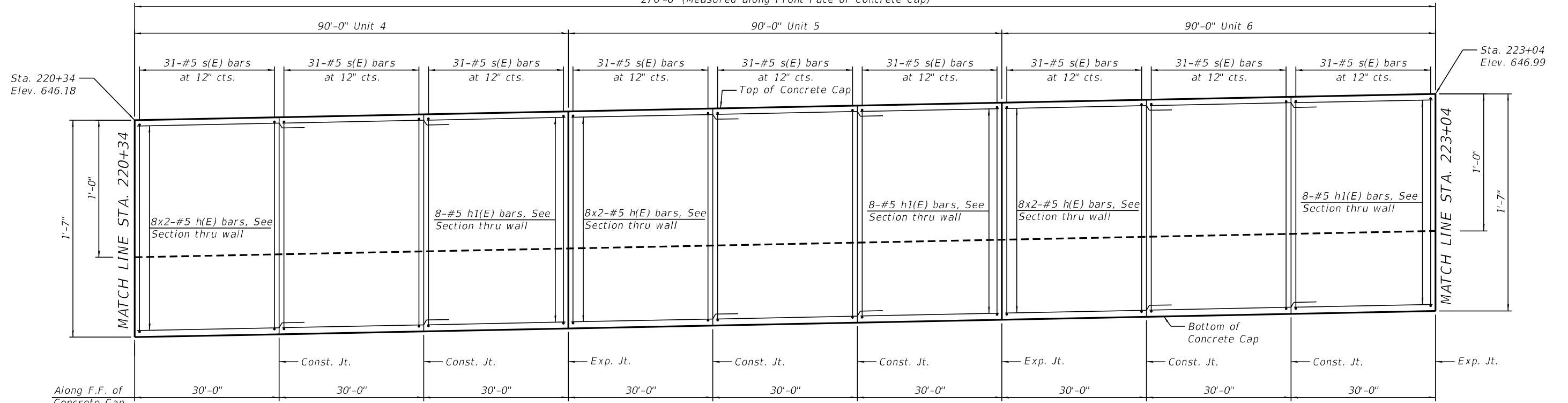
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION - I**  
**STRUCTURE NO. 016-2022**

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	306
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

SHEET S-6 OF S-26 SHEETS

270'-0" (Measured along Front Face of Concrete Cap)



Sta. 220+34  
Elev. 646.18

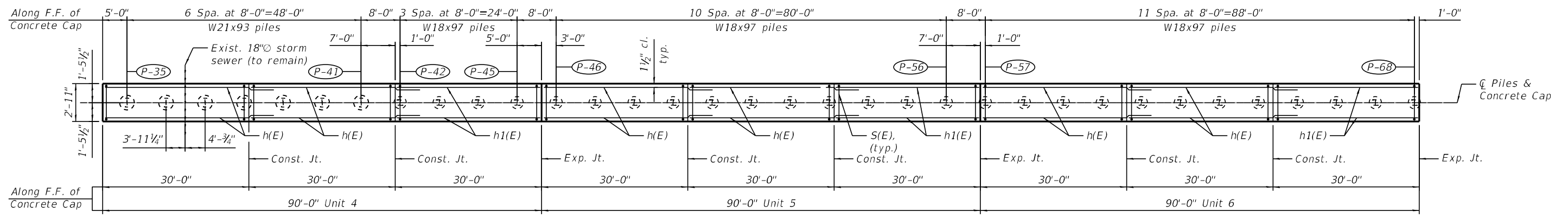
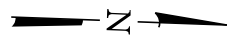
Sta. 223+04  
Elev. 646.99

MATCH LINE STA. 220+34

MATCH LINE STA. 223+04

Exist. 18"Ø Storm Sewer  
Inv. Elev. 639.04

**ELEVATION**  
(Looking west at F.F. of Wall)



**PLAN**  
(Concrete Cap exaggerated for clarity)

**MIN. BAR LAP**  
#5 Bars = 3'-7"

**NOTES**

- See Sheet S-5 of S-26 for typical wall section details.
- See Sheets S-12 and S-13 of S-26 for soldier pile layout.
- See Sheet S-14 of S-26 for details and Bill of Material.
- Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.

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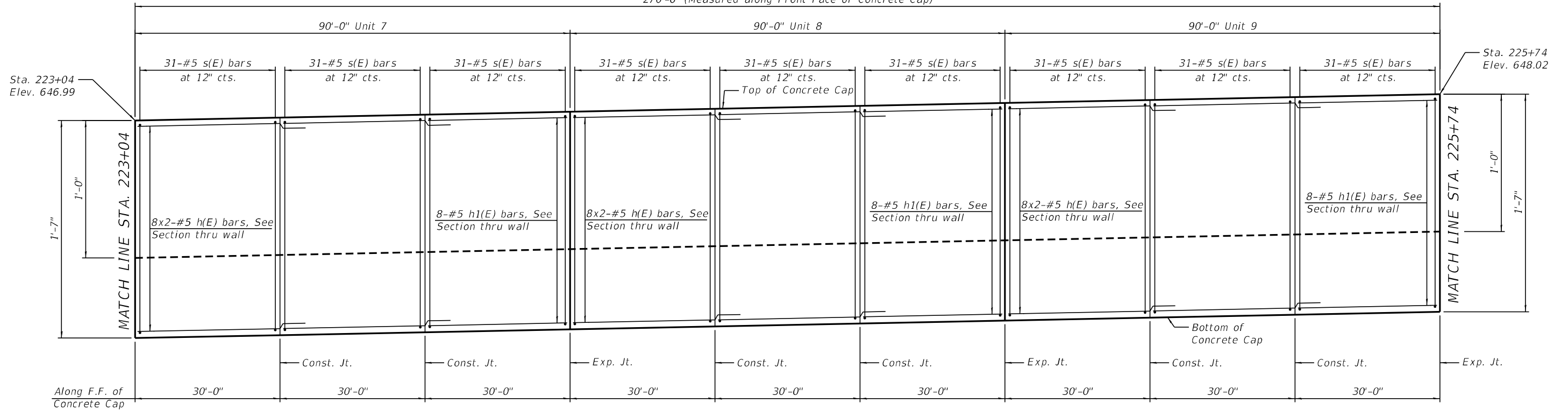
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**DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION - II**  
**STRUCTURE NO. 016-2022**

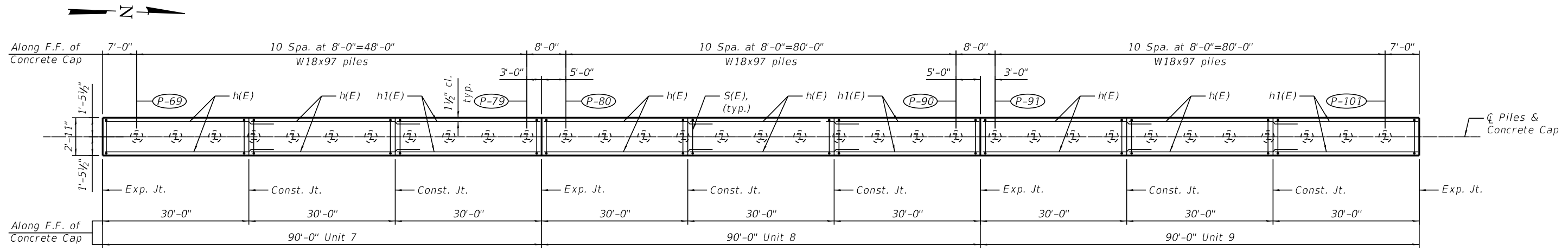
SHEET S-7 OF S-26 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	307
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

270'-0" (Measured along Front Face of Concrete Cap)



**ELEVATION**  
(Looking west at F.F. of Wall)



**PLAN**  
(Concrete Cap exaggerated for clarity)

**MIN. BAR LAP**  
#5 Bars = 3'-7"

- NOTES**
- See Sheet S-5 of S-26 for typical wall section details.
  - See Sheets S-12 and S-13 of S-26 for soldier pile layout.
  - See Sheet S-14 of S-26 for details and Bill of Material.
  - Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

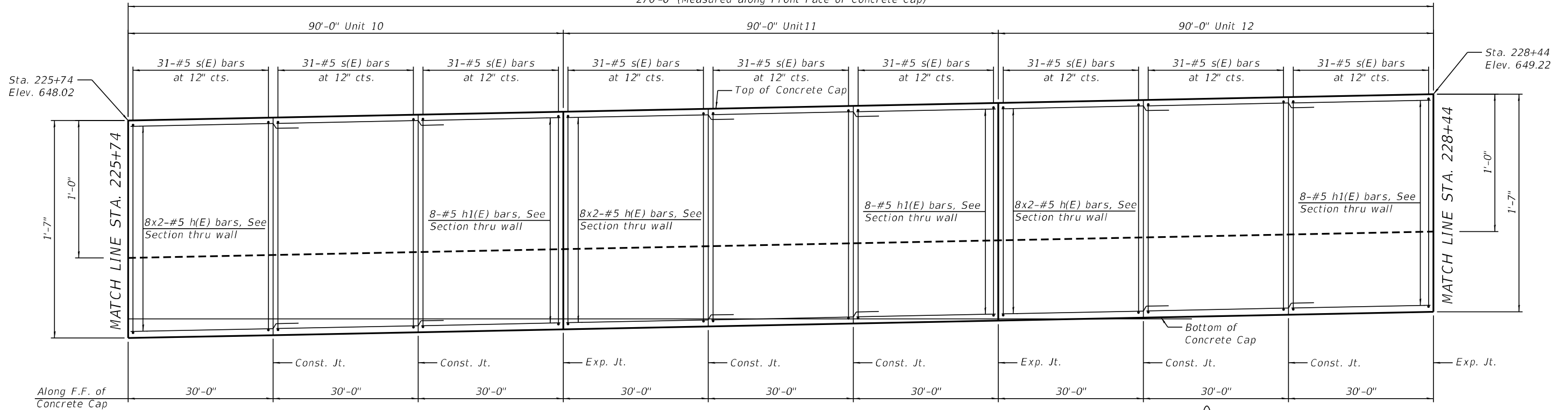
**DETAILED PLAN AND ELEVATION - III**  
**STRUCTURE NO. 016-2022**

SHEET S-8 OF S-26 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

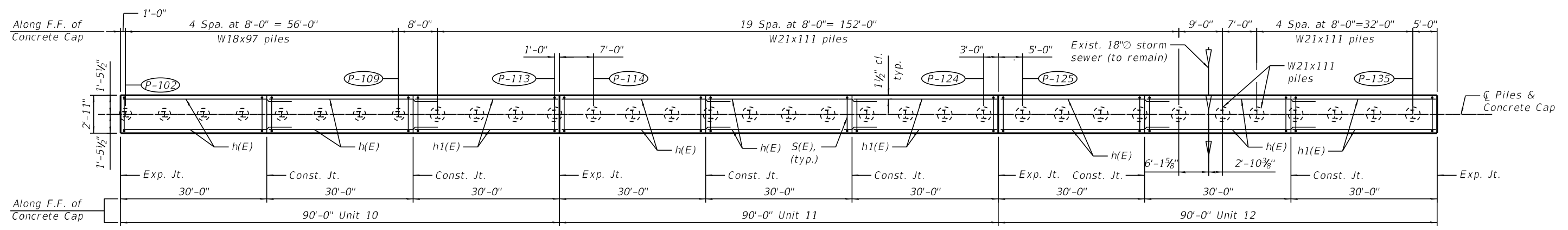
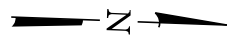


270'-0" (Measured along Front Face of Concrete Cap)



**ELEVATION**  
(Looking west at F.F. of Wall)

Exist. 18"Ø Storm Sewer  
Inv. Elev. 638.43



**PLAN**  
(Concrete Cap exaggerated for clarity)

**MIN. BAR LAP**  
#5 Bars = 3'-7"

- NOTES**
- See Sheet S-5 of S-26 for typical wall section details.
  - See Sheets S-12 and S-13 of S-26 for soldier pile layout.
  - See Sheet S-14 of S-26 for details and Bill of Material.
  - Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.

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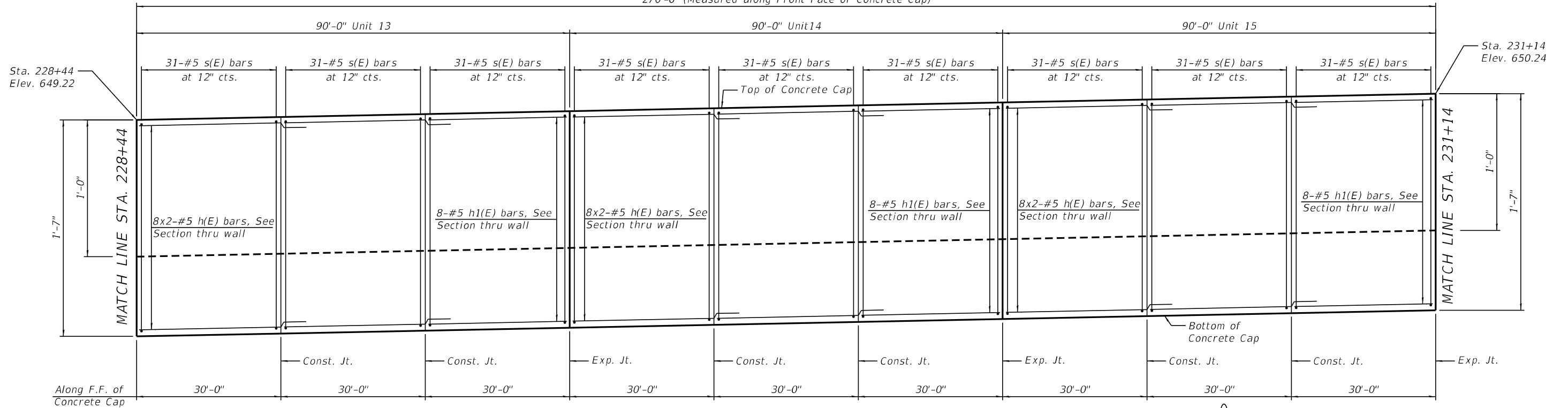
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION - IV  
STRUCTURE NO. 016-2022**

SHEET S-9 OF S-26 SHEETS

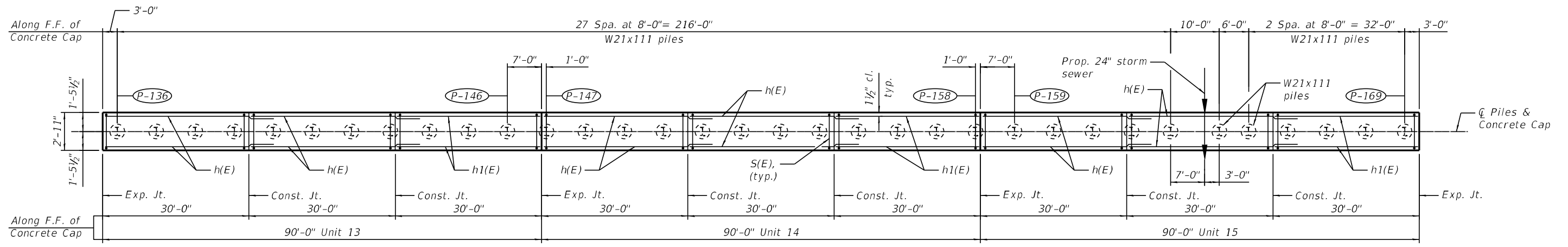
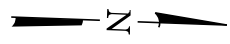
FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	309
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

270'-0" (Measured along Front Face of Concrete Cap)



**ELEVATION**  
(Looking west at F.F. of Wall)

Prop. 24" Storm Sewer  
Inv. Elev. 637.90



**PLAN**  
(Concrete Cap exaggerated for clarity)

**MIN. BAR LAP**  
#5 Bars = 3'-7"

- NOTES**
- See Sheet S-5 of S-26 for typical wall section details.
  - See Sheets S-12 and S-13 of S-26 for soldier pile layout.
  - See Sheet S-14 of S-26 for details and Bill of Material.
  - Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.

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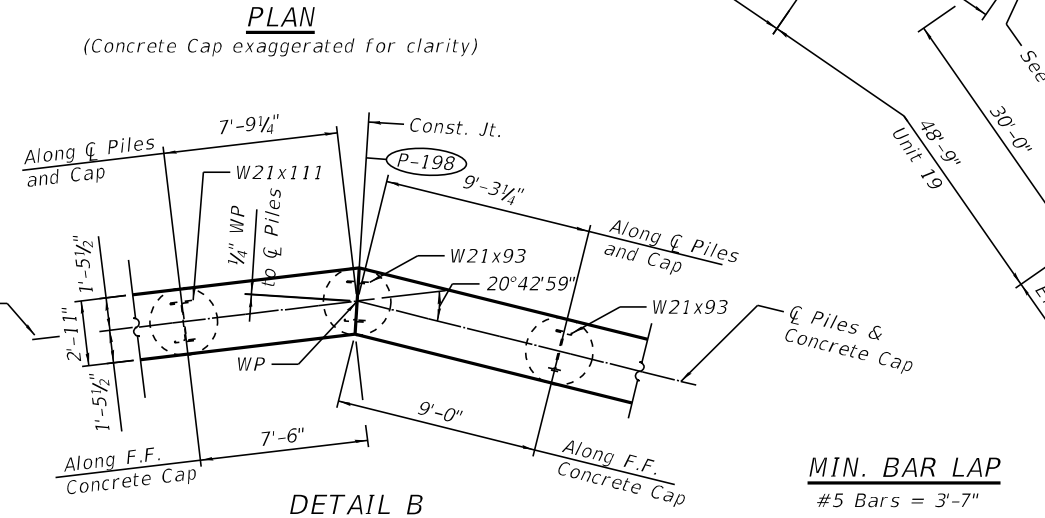
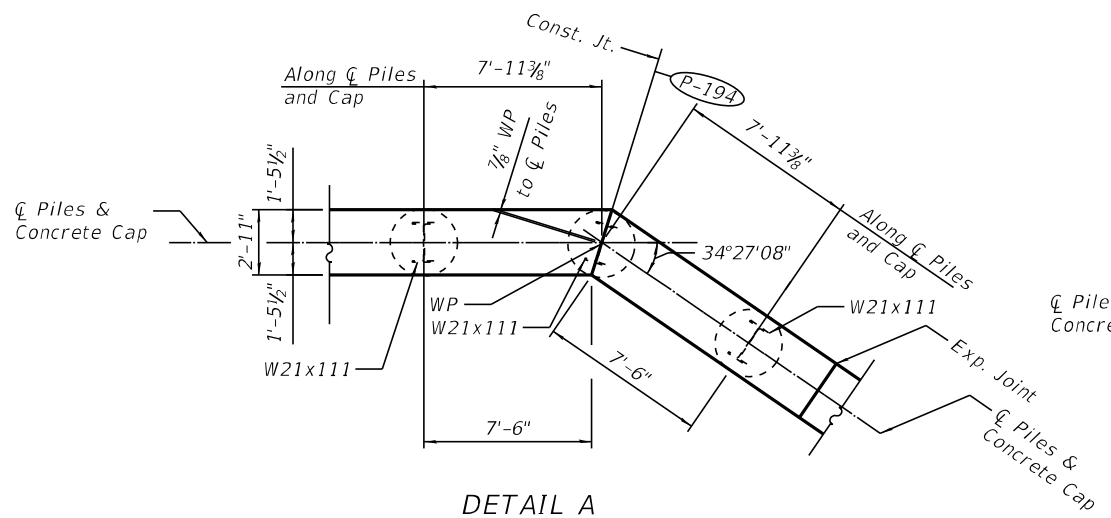
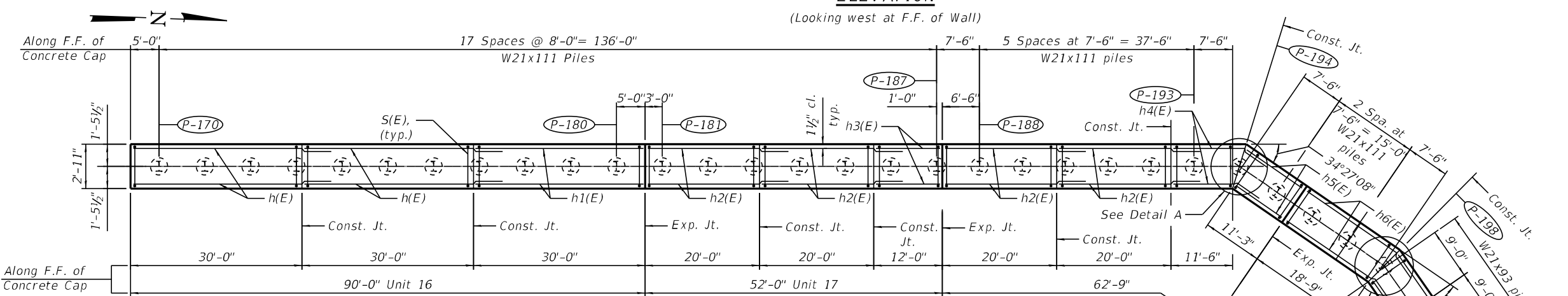
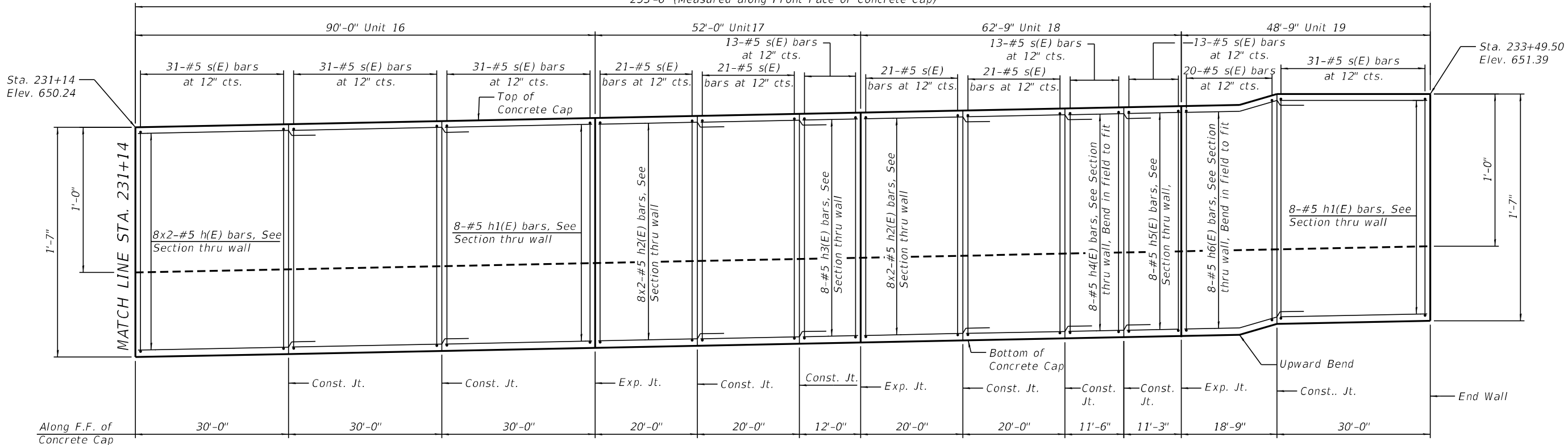
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION - V**  
**STRUCTURE NO. 016-2022**  
SHEET S-10 OF S-26 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	310
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

253'-6" (Measured along Front Face of Concrete Cap)



**MIN. BAR LAP**  
#5 Bars = 3'-7"

- NOTES**
- See Sheet S-5 of S-26 for typical wall section details.
  - See Sheets S-12 and S-13 of S-26 for soldier pile layout.
  - See Sheet S-14 of S-26 for details and Bill of Material.
  - Bars indicated thus 8x2-#5 etc. indicates 8 lines of bars with 2 lengths per line.

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

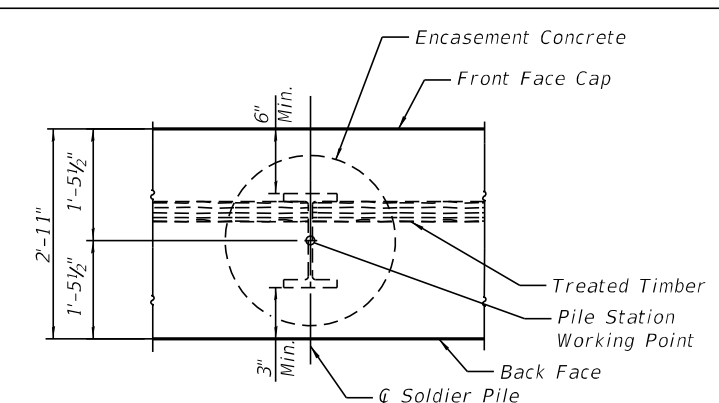
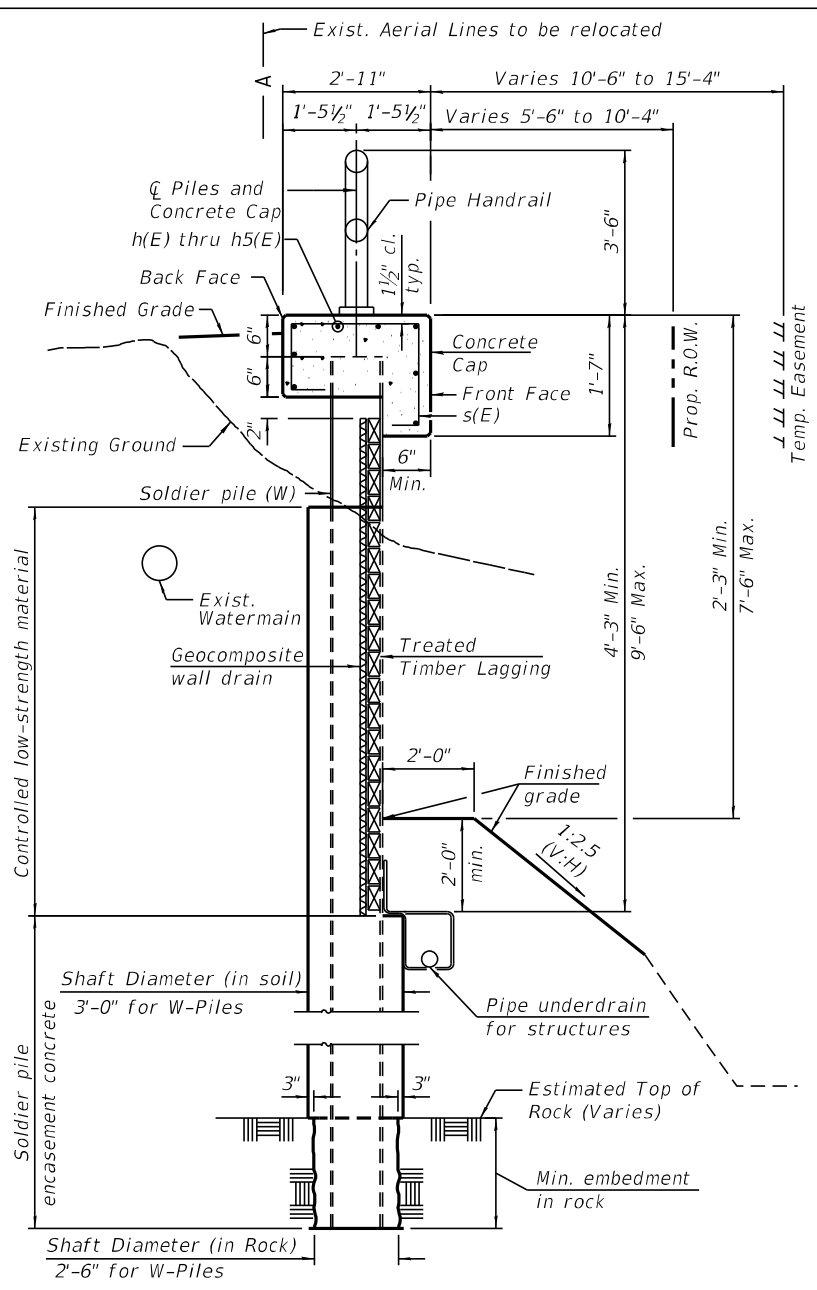
**DETAILED PLAN AND ELEVATION -VI**  
**STRUCTURE NO. 016-2022**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

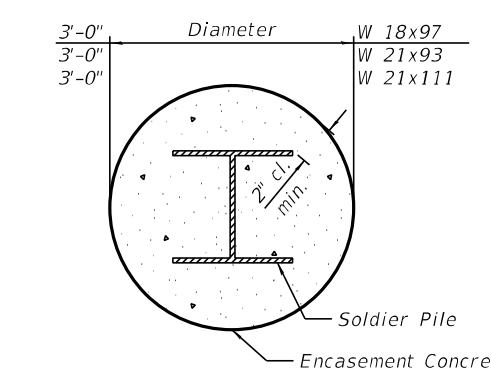
SHEET S-11 OF S-26 SHEETS

TABLE 1 - SOLDIER PILE LAYOUT

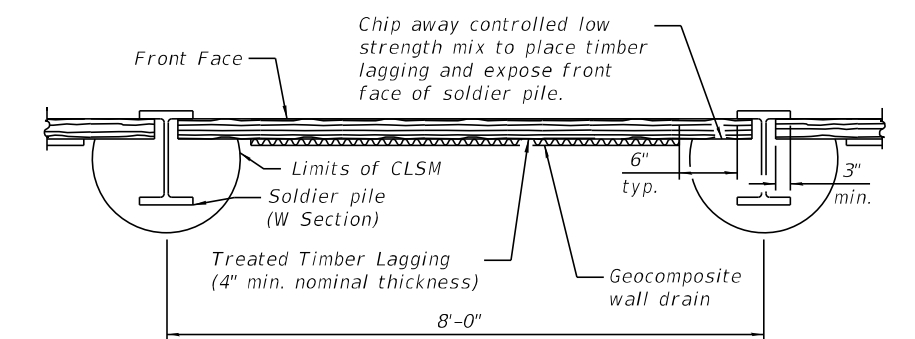
Pile	Station at Working Point	Offset	Section	Shaft Dia.	Top of Pile Elev.	Pile Tip Elev.	Top of Rock Elev.	Rock Embedment Length	Pile Length
P-01	217+67.00	30.38' RT	W 21x93	3.00 ft.	644.88	615.88	632.50	16.62 ft.	29.00 ft.
P-02	217+75.00	30.38' RT	W 21x93	3.00 ft.	644.90	615.90	632.71	16.81 ft.	29.00 ft.
P-03	217+83.00	30.38' RT	W 21x93	3.00 ft.	644.93	615.93	632.92	16.99 ft.	29.00 ft.
P-04	217+91.00	30.38' RT	W 21x93	3.00 ft.	644.95	615.95	633.13	17.18 ft.	29.00 ft.
P-05	217+99.00	30.38' RT	W 21x93	3.00 ft.	644.98	615.98	633.34	17.36 ft.	29.00 ft.
P-06	218+07.00	30.38' RT	W 21x93	3.00 ft.	645.00	616.00	633.55	17.55 ft.	29.00 ft.
P-07	218+15.00	30.38' RT	W 21x93	3.00 ft.	645.02	616.02	633.76	17.74 ft.	29.00 ft.
P-08	218+23.00	30.38' RT	W 21x93	3.00 ft.	645.05	616.05	633.97	17.92 ft.	29.00 ft.
P-09	218+31.00	30.38' RT	W 21x93	3.00 ft.	645.07	616.07	634.18	18.11 ft.	29.00 ft.
P-10	218+39.00	30.38' RT	W 21x93	3.00 ft.	645.10	616.10	634.39	18.29 ft.	29.00 ft.
P-11	218+47.00	30.38' RT	W 21x93	3.00 ft.	645.12	616.12	634.60	18.48 ft.	29.00 ft.
P-12	218+55.00	30.38' RT	W 21x93	3.00 ft.	645.14	616.14	634.64	18.49 ft.	29.00 ft.
P-13	218+63.00	30.38' RT	W 21x93	3.00 ft.	645.17	616.17	634.67	18.50 ft.	29.00 ft.
P-14	218+71.00	30.38' RT	W 21x93	3.00 ft.	645.19	616.19	634.71	18.52 ft.	29.00 ft.
P-15	218+79.00	30.38' RT	W 21x93	3.00 ft.	645.22	616.22	634.75	18.53 ft.	29.00 ft.
P-16	218+87.00	30.38' RT	W 21x93	3.00 ft.	645.24	616.24	634.78	18.54 ft.	29.00 ft.
P-17	218+95.00	30.38' RT	W 21x93	3.00 ft.	645.27	616.27	634.82	18.55 ft.	29.00 ft.
P-18	219+03.00	30.38' RT	W 21x93	3.00 ft.	645.29	616.29	634.85	18.57 ft.	29.00 ft.
P-19	219+11.00	30.38' RT	W 21x93	3.00 ft.	645.31	616.31	634.89	18.58 ft.	29.00 ft.
P-20	219+19.00	30.38' RT	W 21x93	3.00 ft.	645.34	616.34	634.93	18.59 ft.	29.00 ft.
P-21	219+27.00	30.38' RT	W 21x93	3.00 ft.	645.36	616.36	634.96	18.60 ft.	29.00 ft.
P-22	219+35.00	30.38' RT	W 21x93	3.00 ft.	645.39	616.39	635.00	18.61 ft.	29.00 ft.
P-23	219+43.00	30.38' RT	W 21x93	3.00 ft.	645.41	616.41	635.02	18.61 ft.	29.00 ft.
P-24	219+51.00	30.38' RT	W 21x93	3.00 ft.	645.43	616.43	635.04	18.61 ft.	29.00 ft.
P-25	219+59.00	30.38' RT	W 21x93	3.00 ft.	645.46	616.46	635.06	18.60 ft.	29.00 ft.
P-26	219+67.00	30.38' RT	W 21x93	3.00 ft.	645.48	616.48	635.08	18.60 ft.	29.00 ft.
P-27	219+75.00	30.38' RT	W 21x93	3.00 ft.	645.51	616.51	635.10	18.59 ft.	29.00 ft.
P-28	219+83.00	30.38' RT	W 21x93	3.00 ft.	645.53	616.53	635.12	18.59 ft.	29.00 ft.
P-29	219+91.00	30.38' RT	W 21x93	3.00 ft.	645.55	616.55	635.14	18.59 ft.	29.00 ft.
P-30	219+99.00	30.38' RT	W 21x93	3.00 ft.	645.58	616.58	635.16	18.58 ft.	29.00 ft.
P-31	220+07.00	30.38' RT	W 21x93	3.00 ft.	645.60	616.60	635.18	18.58 ft.	29.00 ft.
P-32	220+15.00	30.38' RT	W 21x93	3.00 ft.	645.63	616.63	635.20	18.57 ft.	29.00 ft.
P-33	220+23.00	30.38' RT	W 21x93	3.00 ft.	645.65	616.65	635.00	18.35 ft.	29.00 ft.
P-34	220+31.00	30.38' RT	W 21x93	3.00 ft.	645.67	616.67	634.80	18.13 ft.	29.00 ft.
P-35	220+39.00	30.38' RT	W 21x93	3.00 ft.	645.70	616.70	634.60	17.90 ft.	29.00 ft.
P-36	220+47.00	30.38' RT	W 21x93	3.00 ft.	645.72	616.72	634.40	17.68 ft.	29.00 ft.
P-37	220+55.00	30.38' RT	W 21x93	3.00 ft.	645.75	616.75	634.20	17.45 ft.	29.00 ft.
P-38	220+63.00	30.38' RT	W 21x93	3.00 ft.	645.77	616.77	634.00	17.23 ft.	29.00 ft.
P-39	220+71.00	30.38' RT	W 21x93	3.00 ft.	645.79	616.79	633.80	17.01 ft.	29.00 ft.
P-40	220+79.00	30.38' RT	W 21x93	3.00 ft.	645.82	616.82	633.60	16.78 ft.	29.00 ft.
P-41	220+87.00	30.38' RT	W 21x93	3.00 ft.	645.84	616.84	633.40	16.56 ft.	29.00 ft.
P-42	220+95.00	30.38' RT	W 18x97	3.00 ft.	645.87	617.87	633.59	15.72 ft.	28.00 ft.
P-43	221+03.00	30.38' RT	W 18x97	3.00 ft.	645.89	617.89	633.78	15.89 ft.	28.00 ft.
P-44	221+11.00	30.38' RT	W 18x97	3.00 ft.	645.91	617.91	633.97	16.05 ft.	28.00 ft.
P-45	221+19.00	30.38' RT	W 18x97	3.00 ft.	645.94	617.94	634.16	16.22 ft.	28.00 ft.
P-46	221+27.00	30.38' RT	W 18x97	3.00 ft.	645.96	617.96	634.34	16.38 ft.	28.00 ft.
P-47	221+35.00	30.38' RT	W 18x97	3.00 ft.	645.99	617.99	634.53	16.55 ft.	28.00 ft.
P-48	221+43.00	30.38' RT	W 18x97	3.00 ft.	646.01	618.01	634.72	16.71 ft.	28.00 ft.
P-49	221+51.00	30.38' RT	W 18x97	3.00 ft.	646.03	618.03	634.91	16.88 ft.	28.00 ft.
P-50	221+59.00	30.38' RT	W 18x97	3.00 ft.	646.06	618.06	635.10	17.04 ft.	28.00 ft.
P-51	221+67.00	30.38' RT	W 18x97	3.00 ft.	646.08	618.08	634.98	16.90 ft.	28.00 ft.
P-52	221+75.00	30.38' RT	W 18x97	3.00 ft.	646.11	618.11	634.86	16.75 ft.	28.00 ft.
P-53	221+83.00	30.38' RT	W 18x97	3.00 ft.	646.13	618.13	634.74	16.61 ft.	28.00 ft.
P-54	221+91.00	30.38' RT	W 18x97	3.00 ft.	646.15	618.15	634.62	16.47 ft.	28.00 ft.
P-55	221+99.00	30.38' RT	W 18x97	3.00 ft.	646.18	618.18	634.50	16.32 ft.	28.00 ft.
P-56	222+07.00	30.38' RT	W 18x97	3.00 ft.	646.20	618.20	634.38	16.18 ft.	28.00 ft.
P-57	222+15.00	30.38' RT	W 18x97	3.00 ft.	646.23	618.23	634.26	16.03 ft.	28.00 ft.
P-58	222+23.00	30.38' RT	W 18x97	3.00 ft.	646.25	618.25	634.14	15.89 ft.	28.00 ft.
P-59	222+31.00	30.38' RT	W 18x97	3.00 ft.	646.27	618.27	634.02	15.75 ft.	28.00 ft.
P-60	222+39.00	30.38' RT	W 18x97	3.00 ft.	646.30	618.30	633.90	15.60 ft.	28.00 ft.
P-61	222+47.00	30.38' RT	W 18x97	3.00 ft.	646.32	618.32	634.03	15.71 ft.	28.00 ft.
P-62	222+55.00	30.38' RT	W 18x97	3.00 ft.	646.35	618.35	634.17	15.82 ft.	28.00 ft.
P-63	222+63.00	30.38' RT	W 18x97	3.00 ft.	646.37	618.37	634.30	15.93 ft.	28.00 ft.
P-64	222+71.00	30.38' RT	W 18x97	3.00 ft.	646.39	618.39	634.43	16.04 ft.	28.00 ft.
P-65	222+79.00	30.38' RT	W 18x97	3.00 ft.	646.42	618.42	634.57	16.15 ft.	28.00 ft.
P-66	222+87.00	30.38' RT	W 18x97	3.00 ft.	646.44	618.44	634.70	16.26 ft.	28.00 ft.
P-67	222+95.00	30.38' RT	W 18x97	3.00 ft.	646.47	618.47	634.83	16.37 ft.	28.00 ft.
P-68	223+03.00	30.38' RT	W 18x97	3.00 ft.	646.49	618.49	634.97	16.48 ft.	28.00 ft.
P-69	223+11.00	30.38' RT	W 18x97	3.00 ft.	646.51	618.51	635.10	16.59 ft.	28.00 ft.
P-70	223+19.00	30.38' RT	W 18x97	3.00 ft.	646.54	618.54	635.23	16.69 ft.	28.00 ft.



SOLDIER PILE WORKING POINT



SOLDIER PILE ENCASEMENT



SECTION THRU DRILLED SOLDIER PILES

NOTES:

- Controlled low-strength material extends from the existing ground line to the bottom of the treated Timber Lagging. Soldier pile encasement concrete extends from the bottom of the timber lagging to the bottom pile tip. Cost of soldier pile encasement concrete shall be included with Drilling and Setting Soldier Piles (In Soil), and Drilling and Setting Soldier Piles (In Rock).
- The geocomposite wall drain shall be constructed according to Section 591 of the Standard Specifications.
- See Sheet S-14 of S-26 for Pipe Underdrain details.
- Stations and offsets are measured along the  $\mathcal{E}$  of East Ave.

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USER NAME = jschumann	DESIGNED - SAT	REVISED -
PLOT SCALE =	CHECKED - JMT	REVISED -
PLOT DATE = 8/10/2021	DRAWN - SAT	REVISED -
	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SOLDIER PILE SECTION AND DETAILS - I**  
**STRUCTURE NO. 016-2022**  
 SHEET S-12 OF S-26 SHEETS

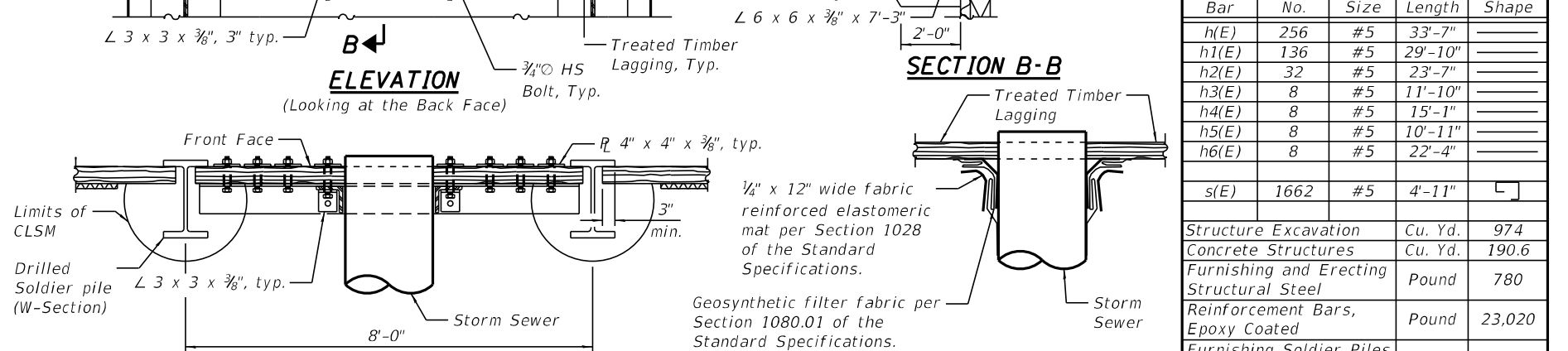
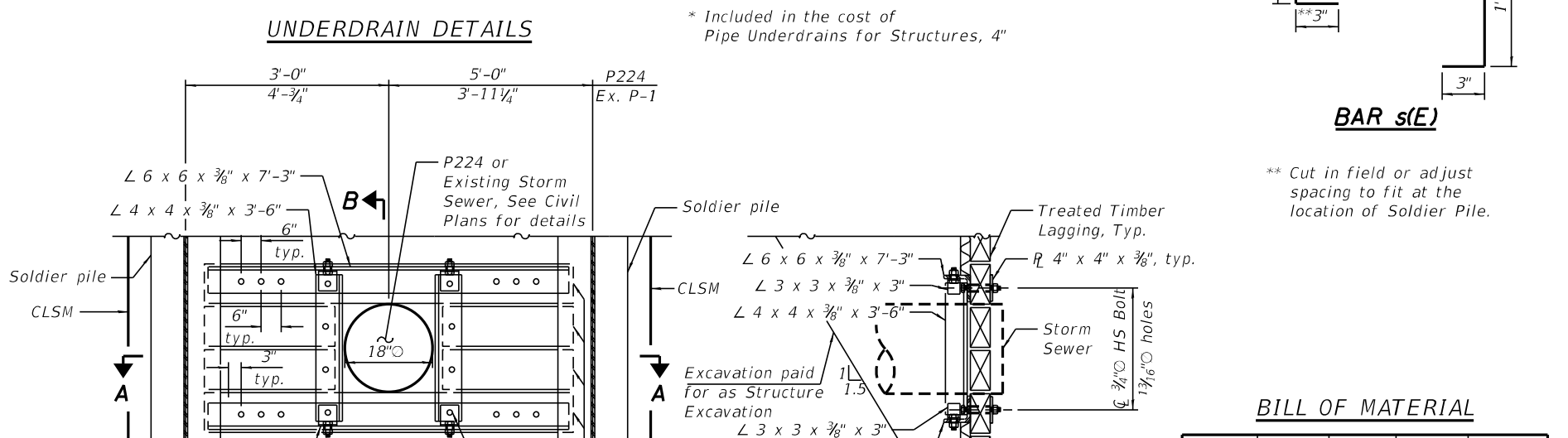
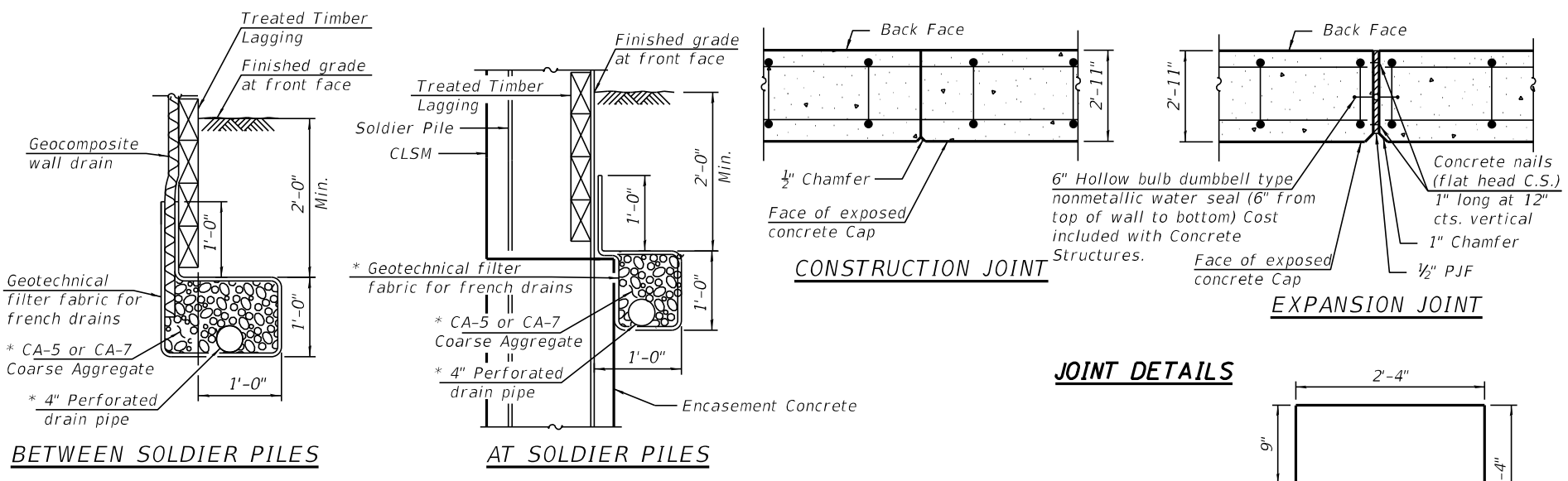
FA.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 312
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



**TABLE 2 - WALL ELEVATIONS**

Station	** Offset	Elevation A	Elevation B	Elevation C	Elevation D	Elevation E	Elevation F
217+64.00	31.83' RT	645.37	643.79	640.69	644.10	644.87	645.21
217+94.00	31.83' RT	645.46	643.88	639.98	644.10	644.96	645.30
218+00.00	31.83' RT	645.48	643.90	639.84	644.10	644.98	645.31
218+24.00	31.83' RT	645.55	643.97	639.69	644.26	645.05	645.39
218+54.00	31.83' RT	645.64	644.06	640.07	644.45	645.14	645.48
218+84.00	31.83' RT	645.73	644.15	640.86	644.65	645.23	645.57
219+00.00	31.83' RT	645.78	644.20	641.38	644.75	645.28	645.61
219+14.00	31.83' RT	645.82	644.24	641.19	644.55	645.32	645.66
219+44.00	31.83' RT	645.91	644.33	640.77	644.13	645.41	645.75
219+74.00	31.83' RT	646.00	644.42	640.36	643.70	645.50	645.84
220+00.00	31.83' RT	646.08	644.50	640.00	643.33	645.58	645.91
220+04.00	31.83' RT	646.09	644.51	639.92	643.44	645.59	645.93
220+34.00	31.83' RT	646.18	644.60	639.32	644.26	645.68	646.02
220+50.00	31.83' RT	646.23	644.65	639.00	644.70	645.73	646.06
220+64.00	31.83' RT	646.27	644.69	639.70	644.74	645.77	646.11
220+94.00	31.83' RT	646.36	644.78	641.20	644.83	645.86	646.20
221+00.00	31.83' RT	646.38	644.80	641.50	644.85	645.88	646.21
221+24.00	31.83' RT	646.45	644.87	641.57	644.95	645.95	646.29
221+54.00	31.83' RT	646.54	644.96	641.66	645.07	646.04	646.38
221+84.00	31.83' RT	646.63	645.05	641.75	645.19	646.13	646.47
222+00.00	31.83' RT	646.68	645.10	641.80	645.25	646.18	646.51
222+14.00	31.83' RT	646.72	645.14	642.02	645.29	646.22	646.56
222+44.00	31.83' RT	646.81	645.23	642.48	645.38	646.31	646.65
222+74.00	31.83' RT	646.90	645.32	642.95	645.47	646.40	646.74
223+00.00	31.83' RT	646.98	645.40	643.35	645.55	646.48	646.81
223+04.00	31.83' RT	646.99	645.41	643.41	645.57	646.49	646.83
223+34.00	31.83' RT	647.08	645.50	643.87	645.70	646.58	646.92
223+64.00	31.83' RT	647.17	645.59	644.34	645.84	646.67	647.01
223+94.00	31.83' RT	647.26	645.68	644.80	645.97	646.76	647.10
224+00.00	31.83' RT	647.28	645.70	644.89	646.00	646.78	647.12
224+24.00	31.83' RT	647.38	645.80	644.77	646.18	646.88	647.21
224+54.00	31.83' RT	647.50	645.92	644.63	646.39	647.00	647.34
224+84.00	31.83' RT	647.63	646.04	644.48	646.61	647.13	647.46
225+00.00	31.83' RT	647.69	646.11	644.40	646.73	647.19	647.53
225+14.00	31.83' RT	647.75	646.17	644.36	646.70	647.25	647.59
225+44.00	31.83' RT	647.89	646.31	644.27	646.63	647.39	647.72
226+00.00	31.83' RT	648.02	646.44	644.19	646.56	647.52	647.86
226+04.00	31.83' RT	648.14	646.56	644.11	646.50	647.64	647.98
226+34.00	31.83' RT	648.29	646.71	643.55	646.69	647.79	648.13
226+64.00	31.83' RT	648.43	646.84	643.05	646.85	647.93	648.26
226+94.00	31.83' RT	648.56	646.98	642.55	647.02	648.06	648.39
227+00.00	31.83' RT	648.59	647.00	642.45	647.05	648.09	648.42
227+24.00	31.83' RT	648.69	647.11	642.29	646.87	648.19	648.52
227+54.00	31.83' RT	648.82	647.24	642.10	646.65	648.32	648.66
227+84.00	31.83' RT	648.96	647.37	641.90	646.42	648.46	648.79
228+00.00	31.83' RT	649.03	647.45	641.80	646.30	648.53	648.86
228+14.00	31.83' RT	649.09	647.51	642.06	646.51	648.59	648.92
228+44.00	31.83' RT	649.22	647.64	642.62	646.96	648.72	649.06
228+74.00	31.83' RT	649.36	647.77	643.18	647.41	648.86	649.19
229+00.00	31.83' RT	649.47	647.89	643.66	647.80	648.97	649.31
229+04.00	31.83' RT	649.49	647.90	643.70	647.78	648.99	649.32
229+34.00	31.83' RT	649.59	648.01	643.96	647.60	649.09	649.43
229+64.00	31.83' RT	649.70	648.12	644.23	647.42	649.20	649.53
229+94.00	31.83' RT	649.81	648.22	644.50	647.24	649.31	649.64
230+00.00	31.83' RT	649.83	648.25	644.55	647.20	649.33	649.66
230+24.00	31.83' RT	649.91	648.33	644.42	647.30	649.41	649.75
230+54.00	31.83' RT	650.02	648.44	644.25	647.42	649.52	649.86
230+84.00	31.83' RT	650.13	648.55	644.09	647.54	649.63	649.96
231+00.00	31.83' RT	650.19	648.60	644.00	647.60	649.69	650.02
231+14.00	31.83' RT	650.24	648.65	643.87	647.60	649.74	650.07
231+44.00	31.83' RT	650.34	648.76	643.60	647.60	649.84	650.18
231+50.00	31.83' RT	650.37	648.78	643.54	647.60	649.87	650.20
231+74.00	31.83' RT	650.45	648.87	643.93	647.60	649.95	650.28
232+00.00	31.83' RT	650.54	648.96	644.35	647.60	650.04	650.38
232+04.00	31.83' RT	650.56	648.98	644.32	647.72	650.06	650.39
232+34.00	31.83' RT	650.67	649.08	644.12	648.59	650.17	650.50
232+64.00	31.83' RT	650.77	649.19	643.91	649.46	650.27	650.61
232+94.00	31.83' RT	650.88	649.30	643.71	650.33	650.38	650.71
233+00.00	31.83' RT	650.90	649.32	643.67	650.50	650.40	650.74
233+07.50	31.83' RT	650.96	649.38	643.61	650.47	650.46	650.80
233+16.77	38.20' RT	651.04	649.45	643.54	650.43	650.54	650.87
233+26.19	44.66' RT	651.10	649.52	643.48	650.40	650.60	650.94
233+32.24	48.81' RT	651.57	649.98	646.39	650.49	651.07	651.40
233+49.37	73.43' RT	651.56	649.97	651.39	649.74	651.06	651.39

\*\* Measured from the East Ave.



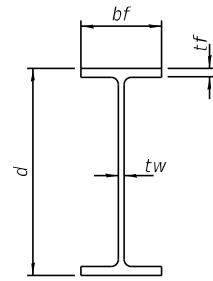
**NOTES:**

1. Treated Timber Lagging and Angle sections shall be cut in field to fit around the opening for storm sewers. Cost of cutting shall be included with Treated Timber Lagging and Furnishing and Erecting Structural Steel.
2. Install Geosynthetic Fabric to form a tight fit around the storm sewer to prevent soil leakage. Cost of the mat and the fabric is included with the cost of Treated Timber Lagging.
3. All new steel (angles, bolts, nuts and washers) shall be galvanized according to AASHTO M111 or M232 as applicable. Cost included with the cost of Furnishing and Erecting Structural Steel.
4. Fasteners shall be AASHTO M164 Type I, bolts. Bolts 3/4" dia., holes 13/16" dia., unless otherwise noted. Cost included with the cost of Furnishing and Erecting Structural Steel.
5. For details of piles and concrete encasement, See sheet S-12 of S-26.

**BILL OF MATERIAL**

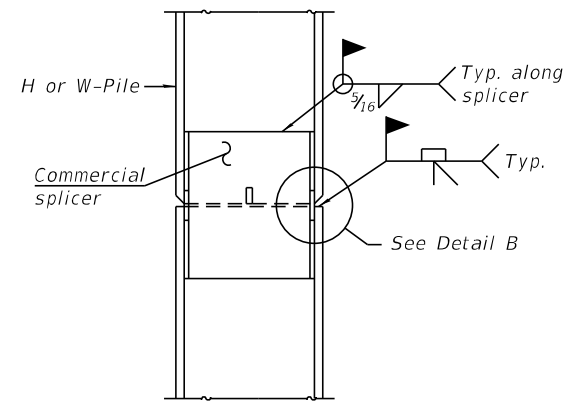
Bar	No.	Size	Length	Shape
h(E)	256	#5	33'-7"	—
h1(E)	136	#5	29'-10"	—
h2(E)	32	#5	23'-7"	—
h3(E)	8	#5	11'-10"	—
h4(E)	8	#5	15'-1"	—
h5(E)	8	#5	10'-11"	—
h6(E)	8	#5	22'-4"	—
s(E)	1662	#5	4'-11"	L
Structure Excavation		Cu. Yd.	974	
Concrete Structures		Cu. Yd.	190.6	
Furnishing and Erecting Structural Steel		Pound	780	
Reinforcement Bars, Epoxy Coated		Pound	23,020	
Furnishing Soldier Piles (W Section)		Foot	6,017	
Drilling and Setting Soldier Piles (In Soil)		Cu. Ft.	20,011	
Drilling and Setting Soldier Piles (In Rock)		Cu. Ft.	14,457	
Treated Timber Lagging		Sq. Ft.	9,199	
Concrete Sealer		Sq. Ft.	7,216	
Geocomposite Wall Drain		Sq. Yd.	820	
Pipe Underdrains for Structures, 4"		Foot	1,623	

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 Accurate GROUP, INC.  
 8/10/2021

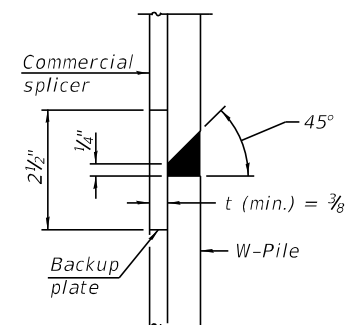


**STEEL PILE TABLE**

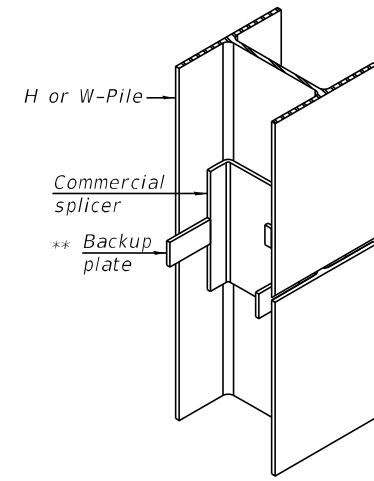
Designation	Depth d	Flange width bf	Web thickness tw	Flange thickness tf	Encasement diameter A
W 18x97	18 <sup>3</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>8</sub> "	<sup>9</sup> / <sub>16</sub> "	<sup>7</sup> / <sub>8</sub> "	36"
W 21x93	21 <sup>1</sup> / <sub>8</sub> "	8 <sup>3</sup> / <sub>8</sub> "	<sup>9</sup> / <sub>16</sub> "	<sup>13</sup> / <sub>16</sub> "	36"
W 21x111	21 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>8</sub> "	<sup>9</sup> / <sub>16</sub> "	<sup>7</sup> / <sub>8</sub> "	36"



**ELEVATION**

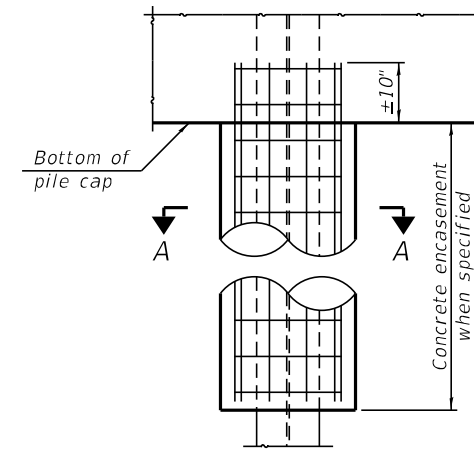


**DETAIL "B"**

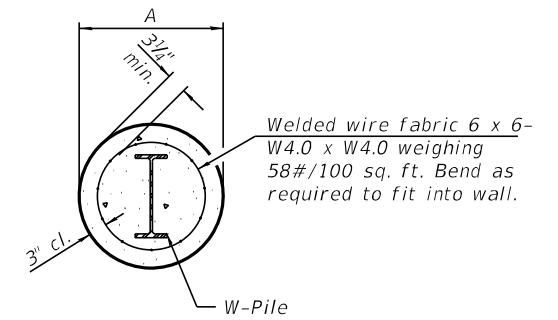


**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE**

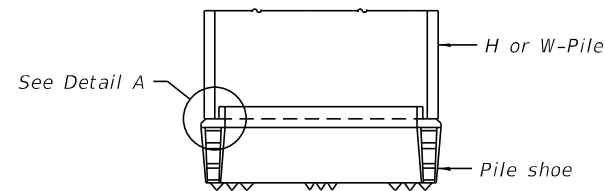


**ELEVATION**

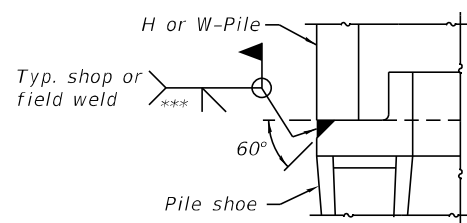


**SECTION A-A**

**INDIVIDUAL PILE  
CONCRETE ENCASUREMENT**  
(Forms for encasement may be omitted when soil conditions permit).



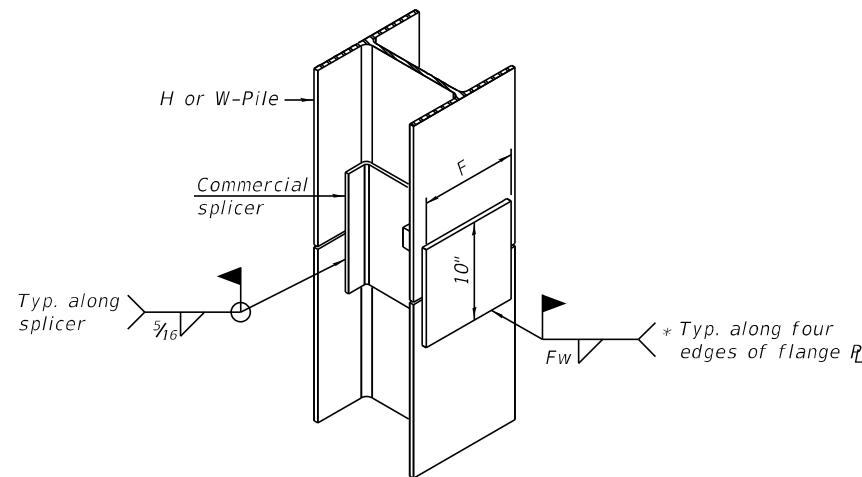
**ELEVATION**



**DETAIL A**

**SHOE ATTACHMENT**

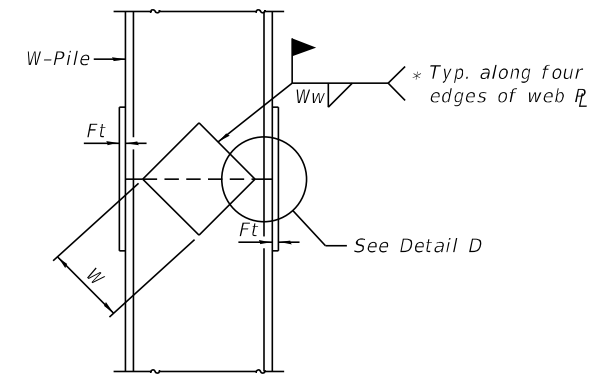
Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.



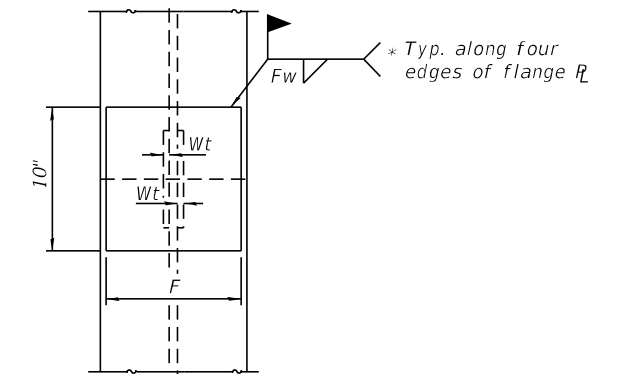
**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE ALTERNATE**

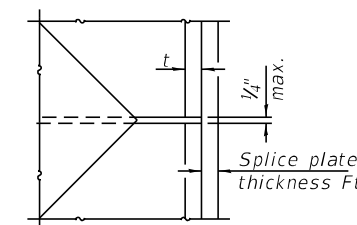
- \* Interrupt welds 1/4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.
- \*\*\* Weld size per pile shoe manufacturer (<sup>5</sup>/<sub>16</sub>" min.).



**ELEVATION**



**END VIEW**



**DETAIL D**

**WELDED PLATE FIELD SPLICE**

Designation	F	Ft	Fw	W	Wt	Ww
W 18x97	17 <sup>3</sup> / <sub>8</sub> "	1"	<sup>13</sup> / <sub>16</sub> "	11 <sup>1</sup> / <sub>8</sub> "	<sup>7</sup> / <sub>16</sub> "	<sup>1</sup> / <sub>2</sub> "
W 21x93	20 <sup>3</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1"	13 <sup>3</sup> / <sub>8</sub> "	<sup>7</sup> / <sub>16</sub> "	<sup>1</sup> / <sub>2</sub> "
W 21x111	20 <sup>1</sup> / <sub>4</sub> "	1"	<sup>13</sup> / <sub>16</sub> "	13 <sup>3</sup> / <sub>8</sub> "	<sup>7</sup> / <sub>16</sub> "	<sup>1</sup> / <sub>2</sub> "

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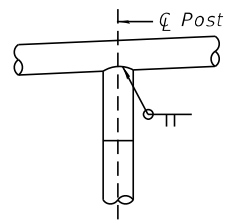
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PILE DETAILS  
STRUCTURE NO. 016-2022**

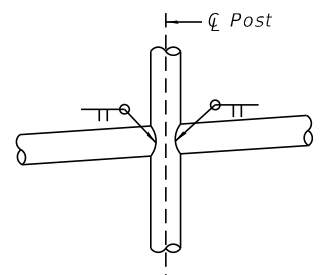
SHEET S-15 OF S-26 SHEETS

FAU. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 315
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

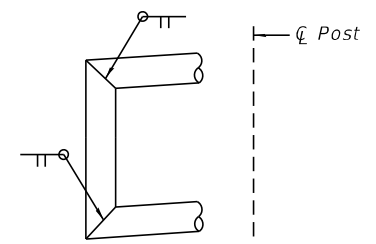
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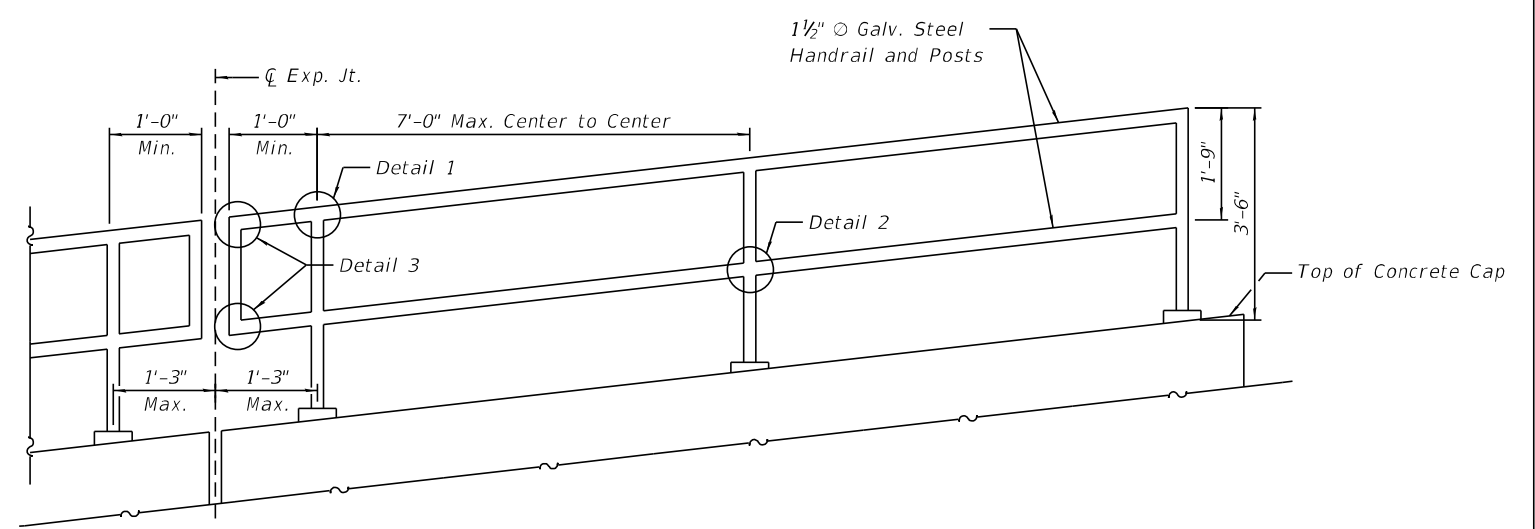
**DETAIL 1**



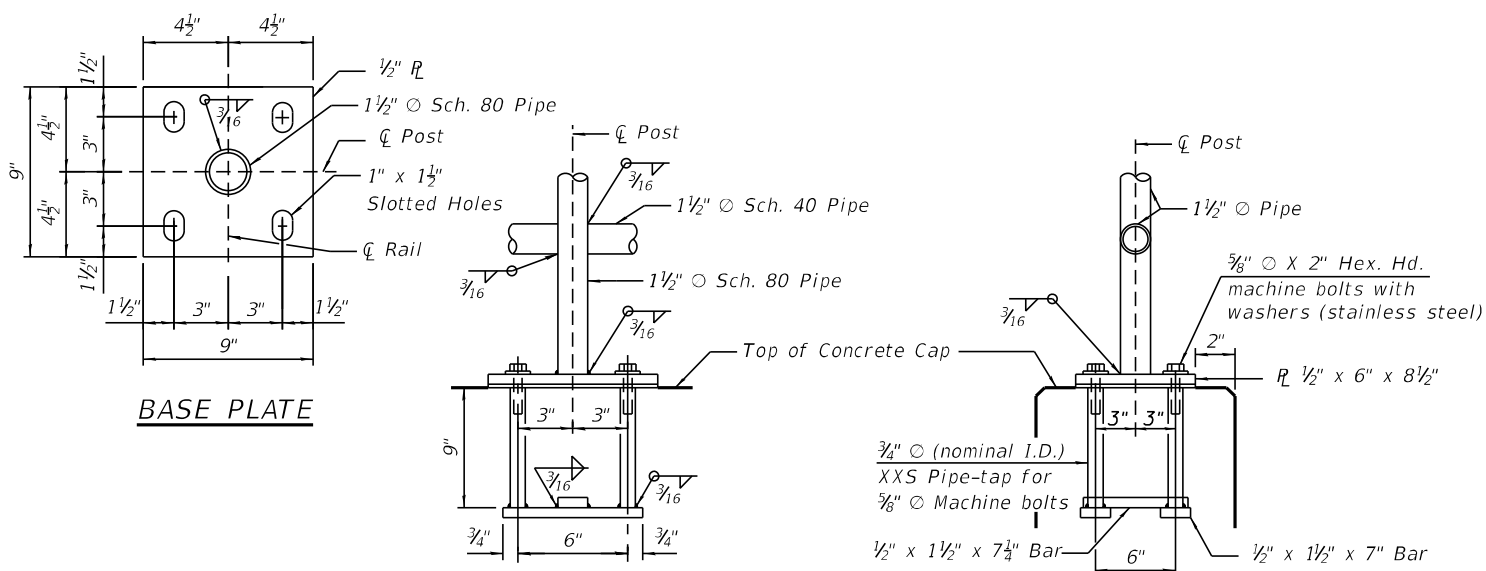
**DETAIL 2**



**DETAIL 3**



**HANDRAIL**  
(Not to Scale)



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" dia. 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 Specification, except as noted, and will be paid for as Pipe Handrail.
- All posts, rails, splices, anchorage devices and plates shall be galvanized according to Article 509.05 of the Standard Specification.
- Rail to match horizontal profile of Concrete cap. Post shall be vertical.
- Rail panel length and placement of expansion joint in the Rail shall be according to Section 509 of the Standard Specification.

**BILL OF MATERIAL**

Pipe Handrail	Foot	1,604
---------------	------	-------



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PLOT SCALE =		DRAWN -	SAT	REVISED -	
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

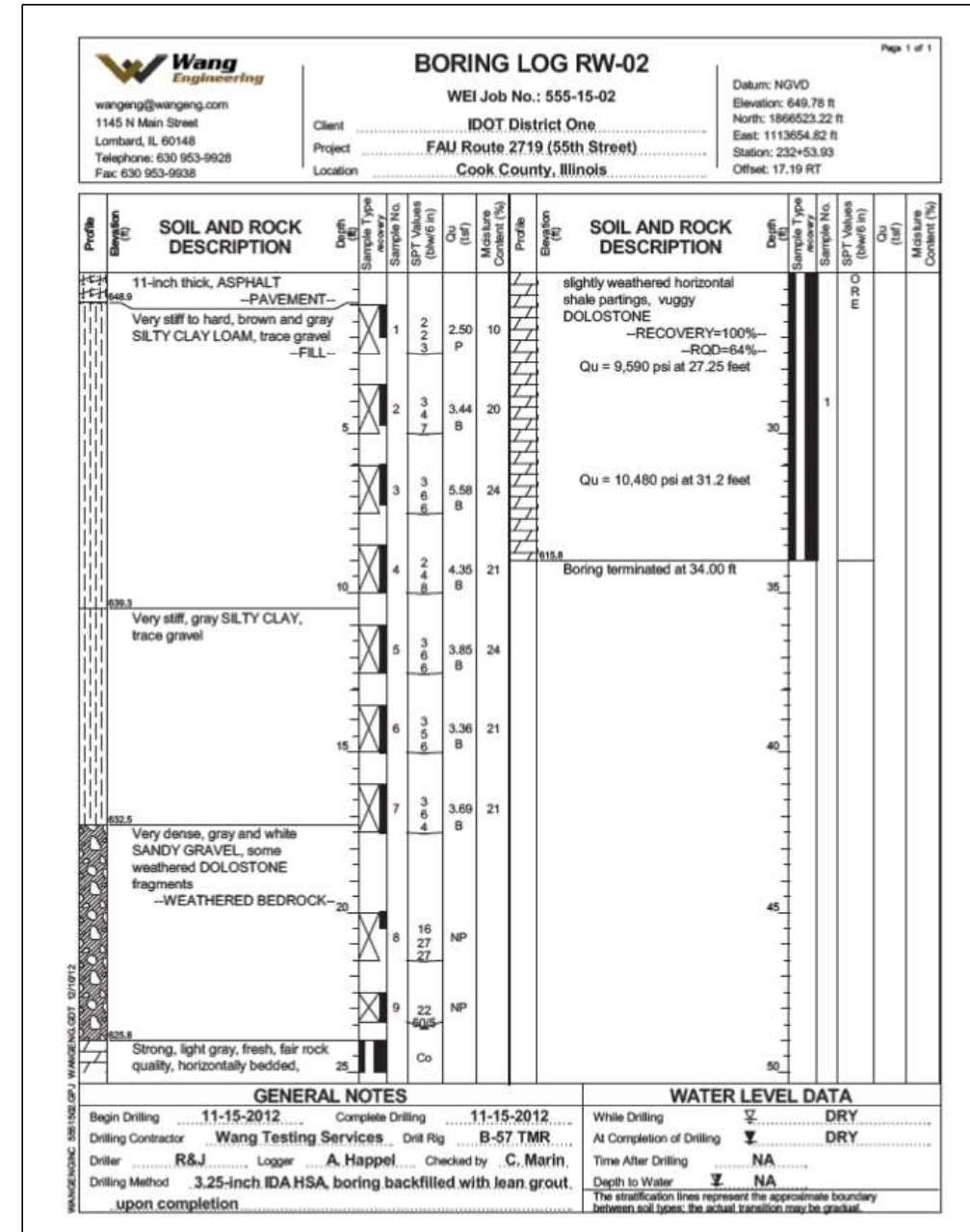
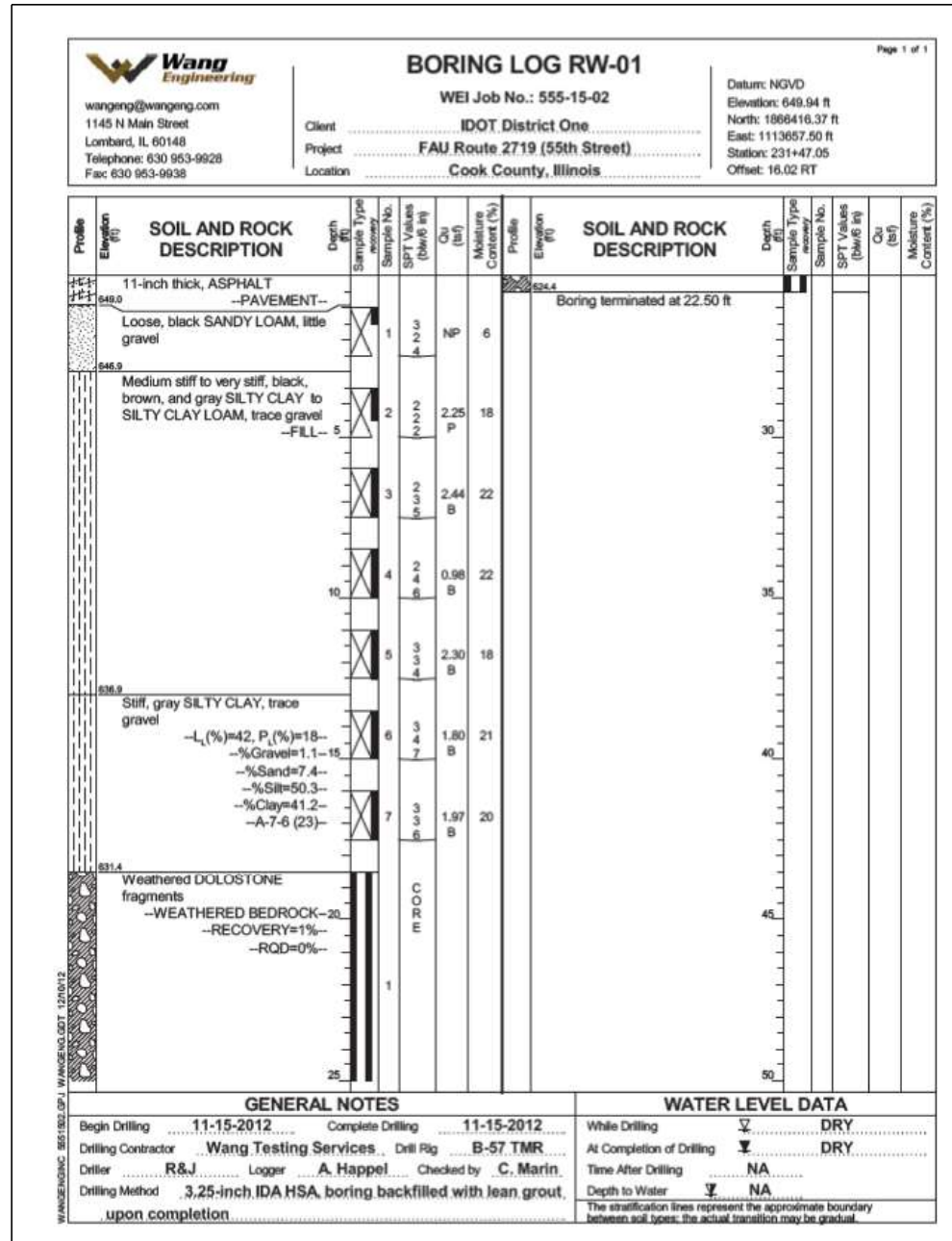
**PIPE HANDRAIL DETAILS**  
**STRUCTURE NO. 016-2022**

SHEET S-16 OF S-26 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	316
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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PLOT DATE = 8/10/2021	CHECKED - SPS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - 1  
 STRUCTURE NO. 016-2022

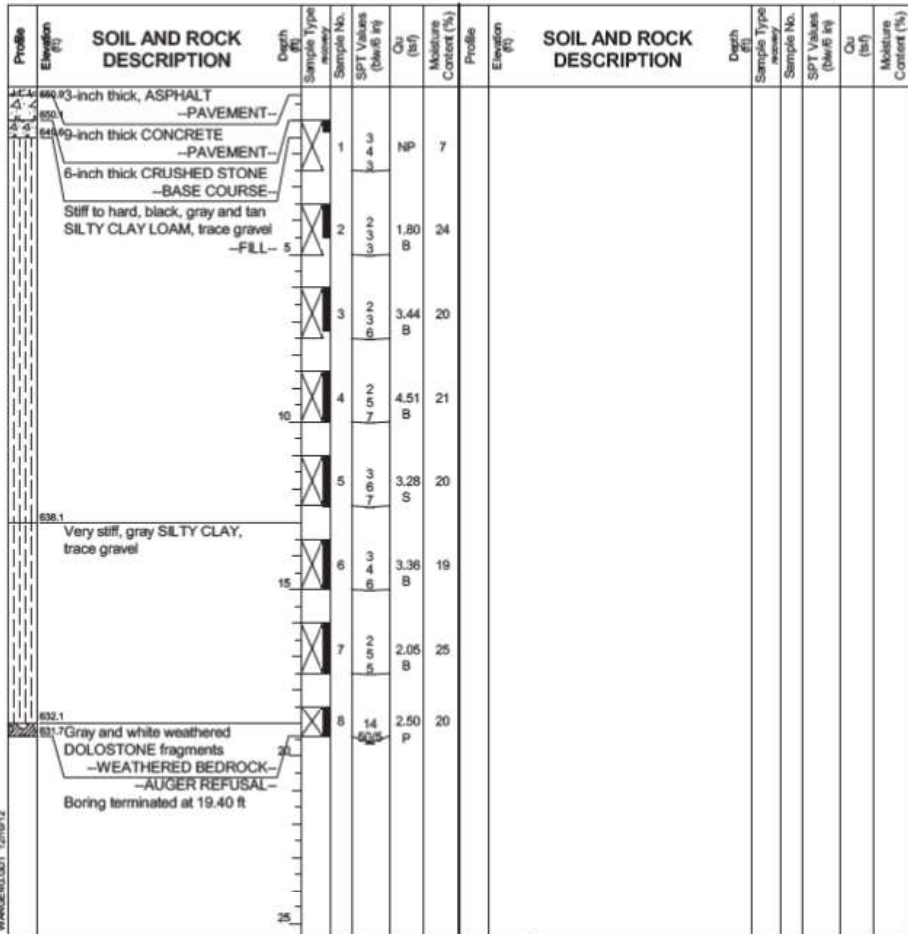
SHEET S-17 OF S-26 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	317
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

**BORING LOG RW-03**  
 WEI Job No.: 555-15-02  
 Client: IDOT District One  
 Project: FAU Route 2719 (55th Street)  
 Location: Cook County, Illinois

Date: NGVD  
 Elevation: 651.11 ft  
 North: 1866643.73 ft  
 East: 1113711.41 ft  
 Station: 312+89.48  
 Offset: 25.36 RT



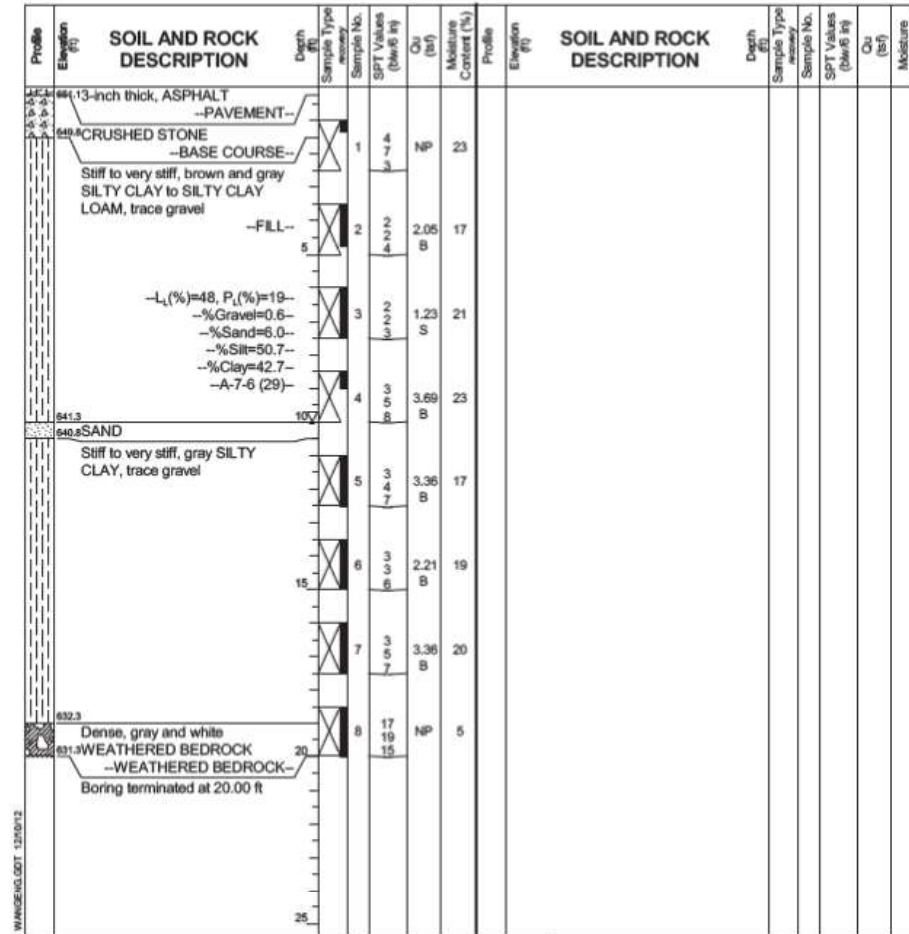
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	11-15-2012	Complete Drilling	11-15-2012
Drilling Contractor	Wang Testing Services	Drill Rig	B-57 TMR
Driller	R&J	Logger	A. Happel
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	3.25-inch IDA HSA, boring backfilled with lean grout, upon completion	Depth to Water	NA

RW-03 Station along East Ave.: 233+72.33  
 RW-03 Offset from East Ave.: 78.08' RT

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

**BORING LOG RW-04**  
 WEI Job No.: 555-15-02  
 Client: IDOT District One  
 Project: FAU Route 2719 (55th Street)  
 Location: Cook County, Illinois

Date: NGVD  
 Elevation: 651.34 ft  
 North: 1866645.25 ft  
 East: 1113796.95 ft  
 Station: 313+75.01  
 Offset: 26.98 RT



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	11-15-2012	Complete Drilling	11-15-2012
Drilling Contractor	Wang Testing Services	Drill Rig	B-57 TMR
Driller	R&J	Logger	A. Happel
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	3.25-inch IDA HSA, boring backfilled with lean grout, upon completion	Depth to Water	NA

RW-04 Station along East Ave.: 233+70.77  
 RW-04 Offset from East Ave.: 163.61' RT

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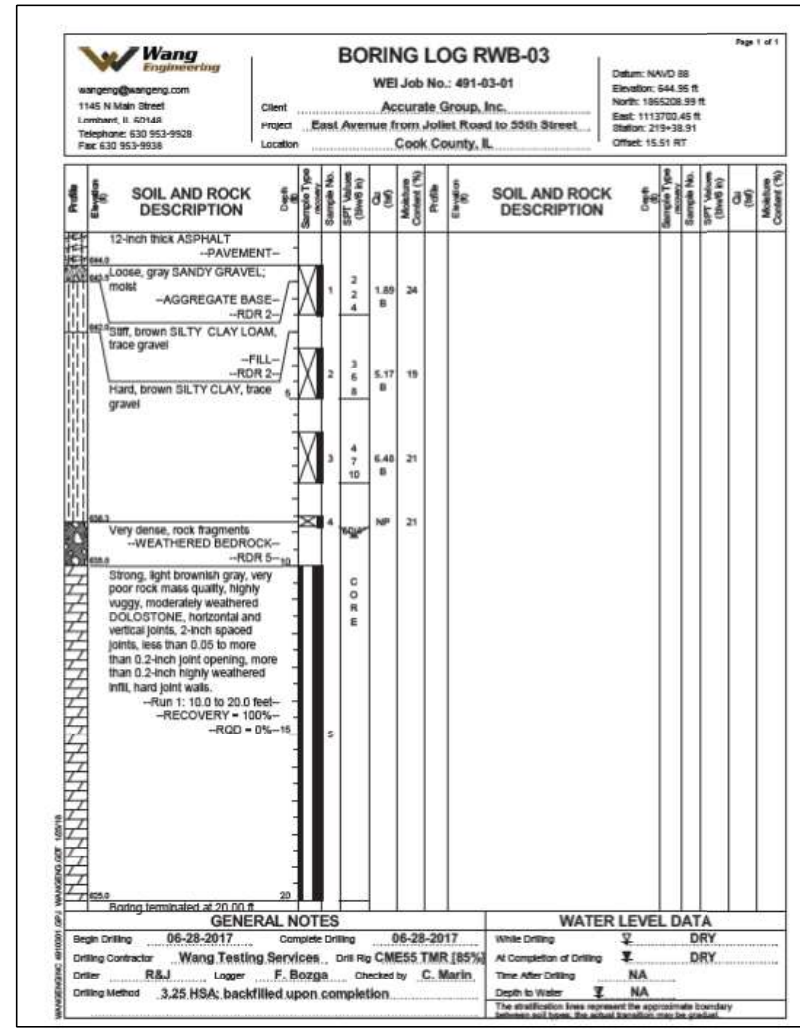
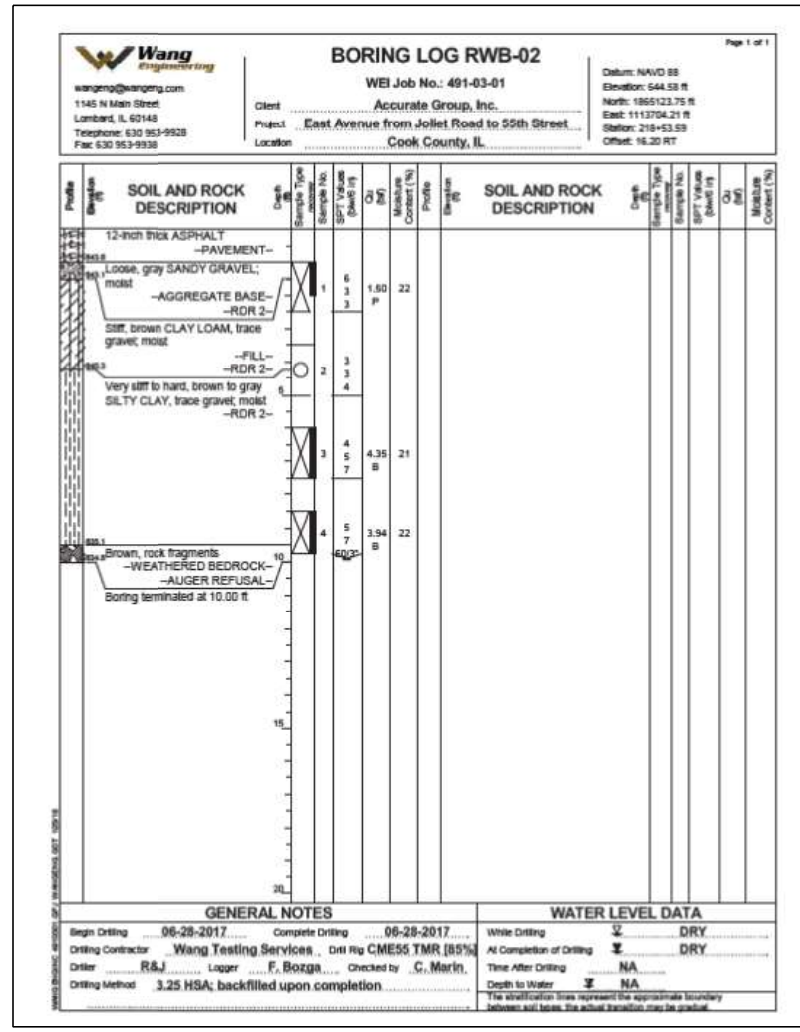
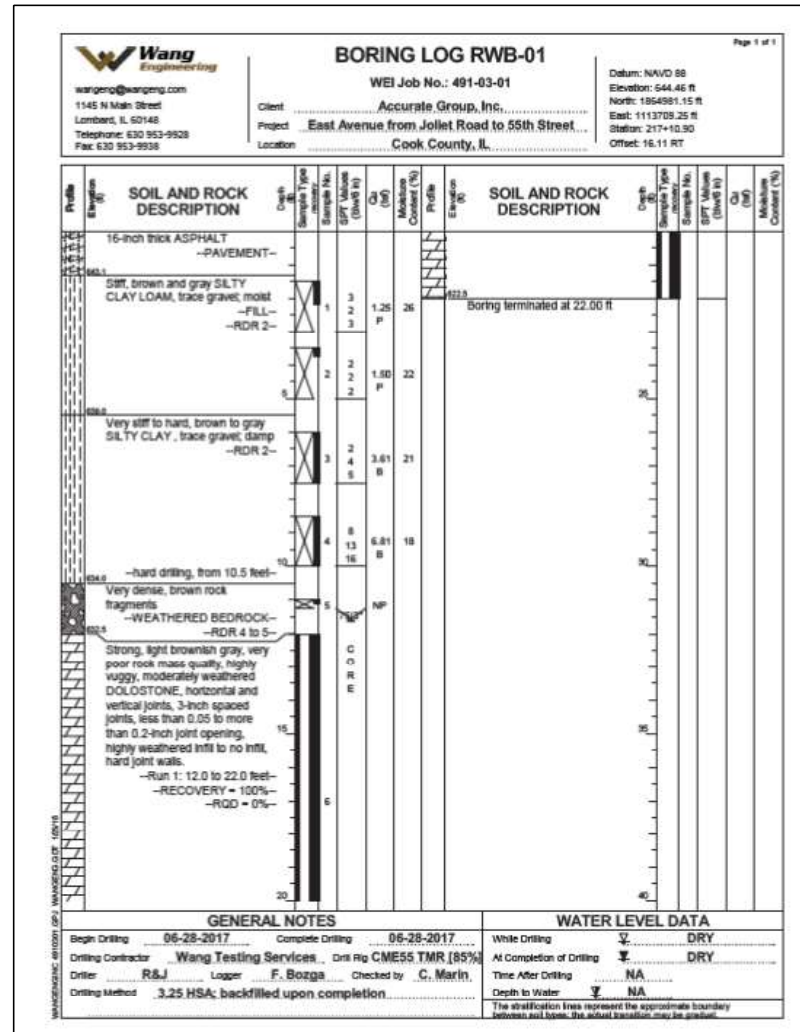


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BORING LOGS - 2**  
**STRUCTURE NO. 016-2022**  
 SHEET S-18 OF S-26 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	318
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



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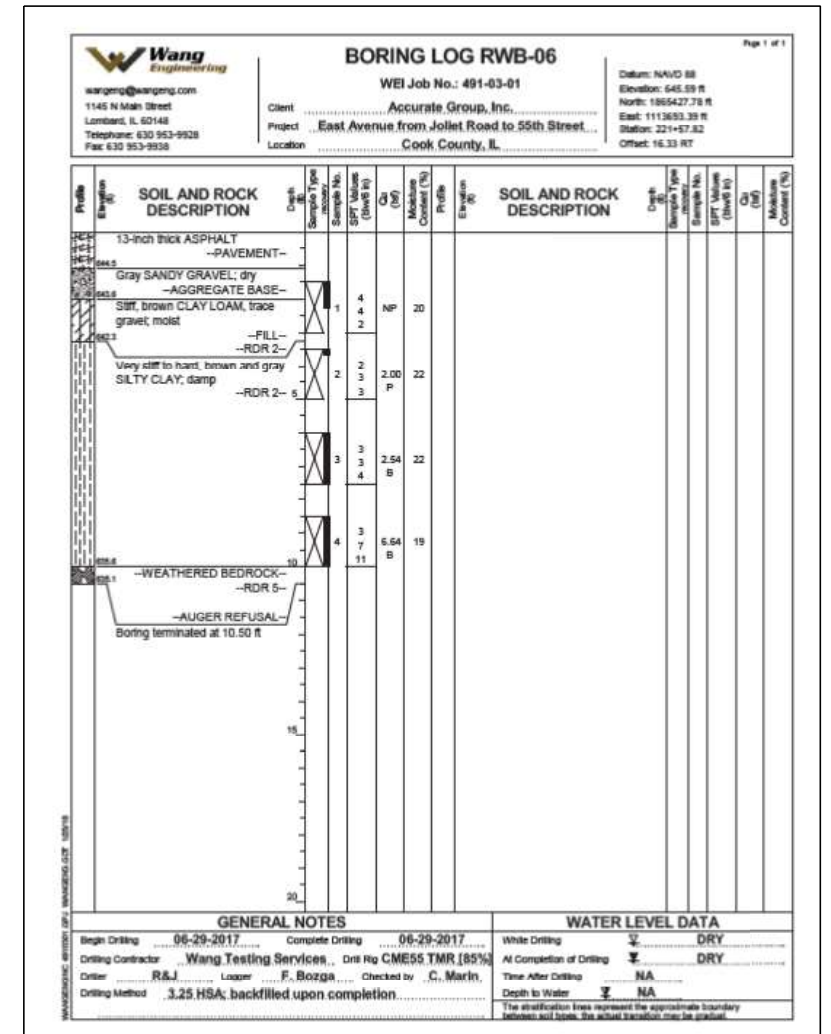
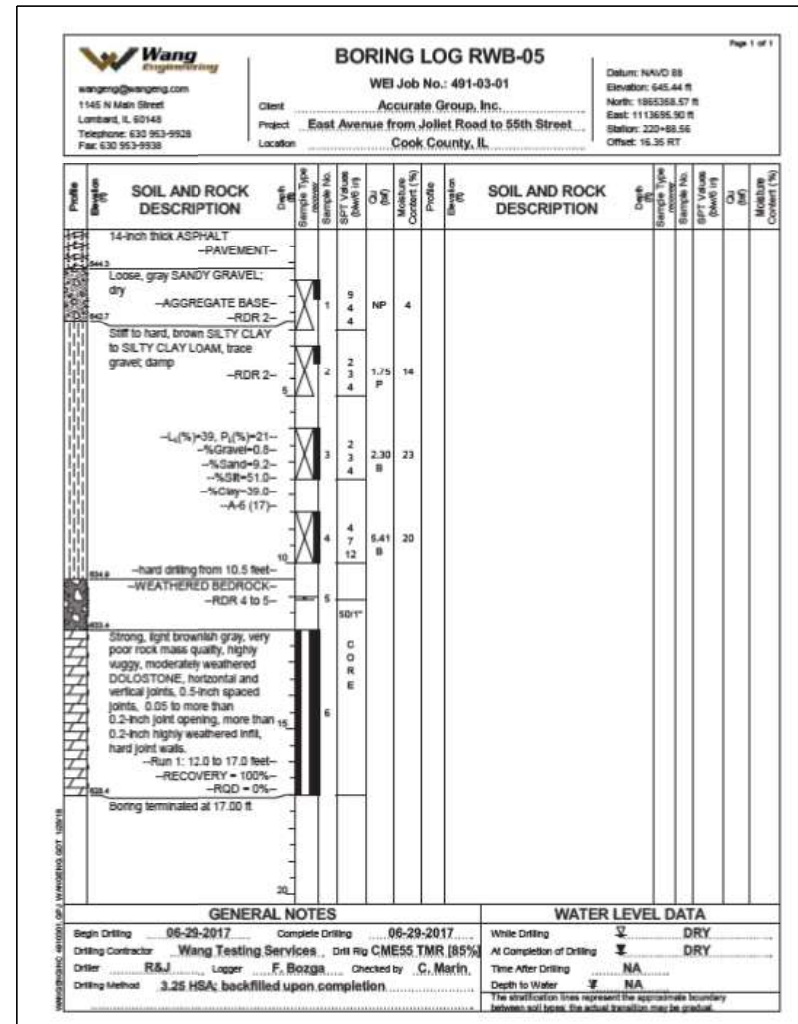
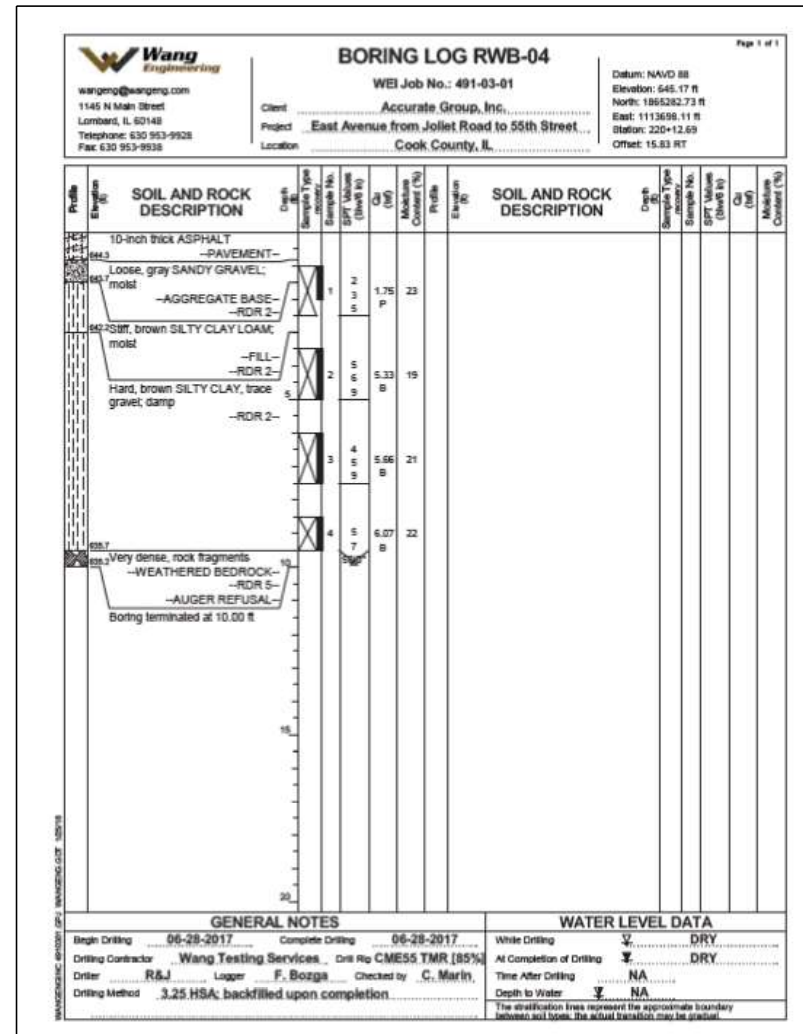
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - 3  
 STRUCTURE NO. 016-2022

SHEET S-19 OF S-26 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	319
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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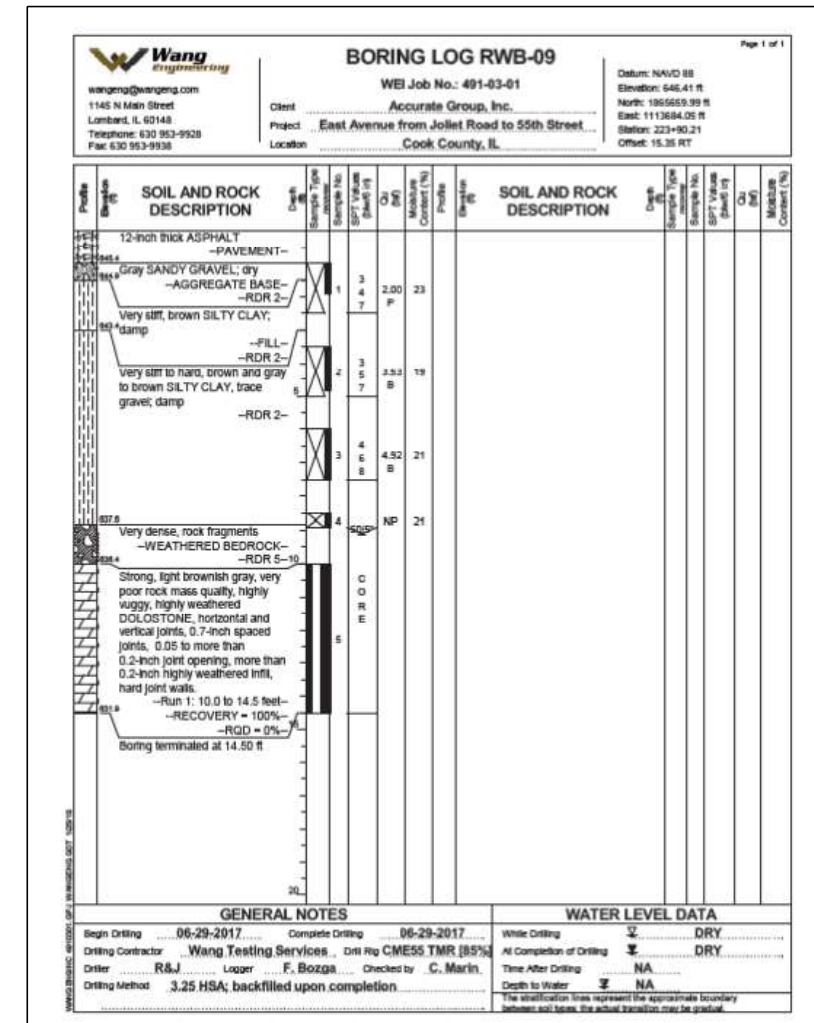
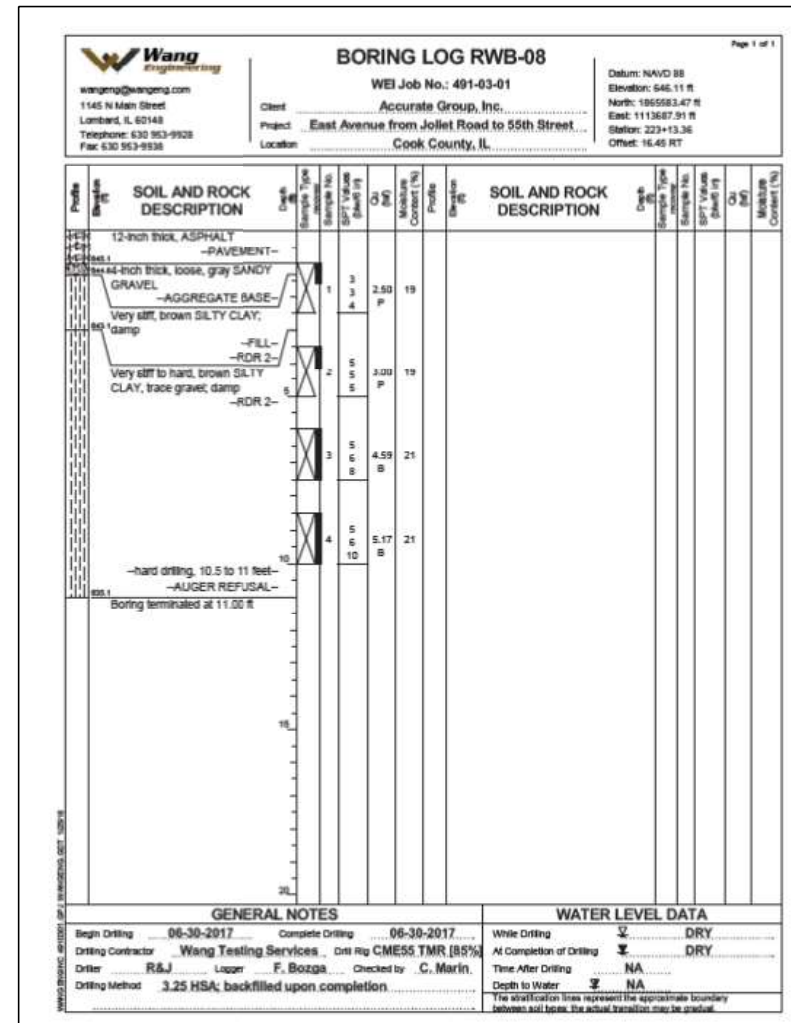
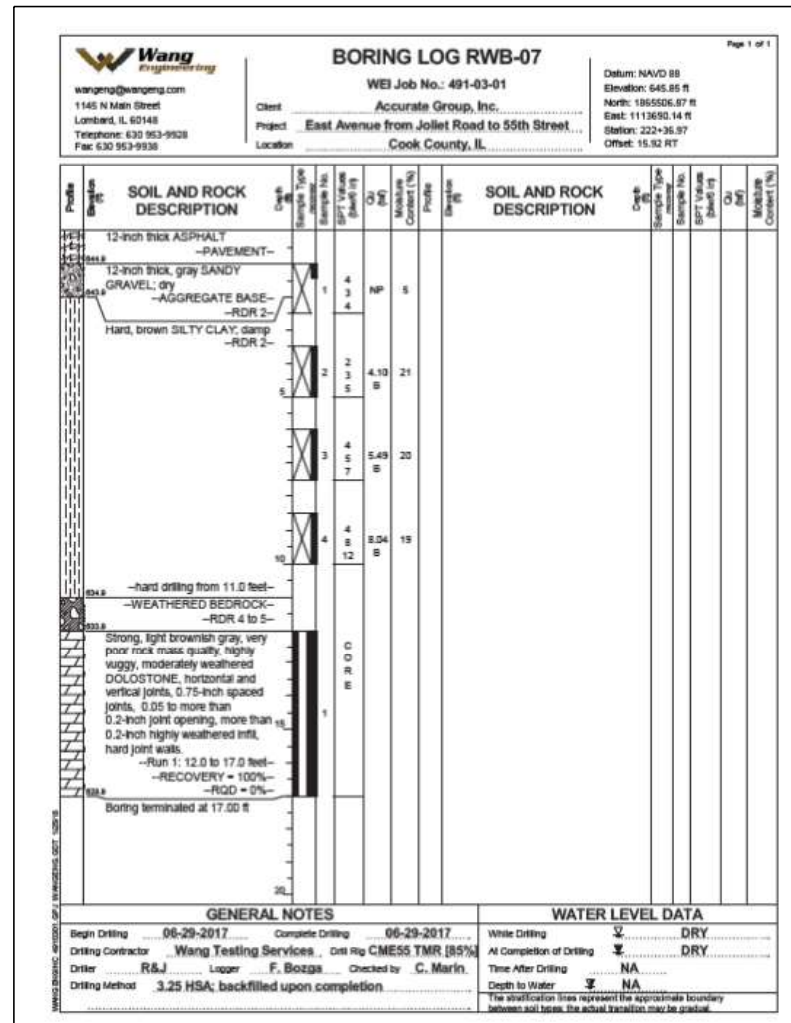
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - 4  
 STRUCTURE NO. 016-2022  
 SHEET S-20 OF S-26 SHEETS

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 320
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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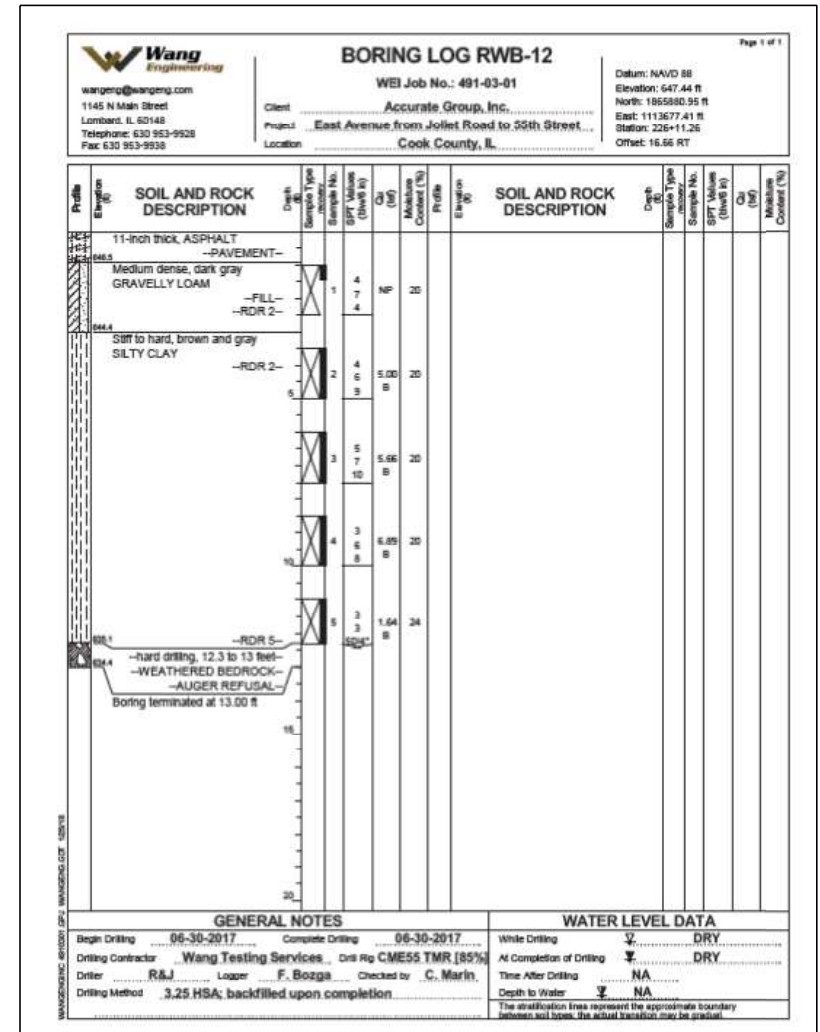
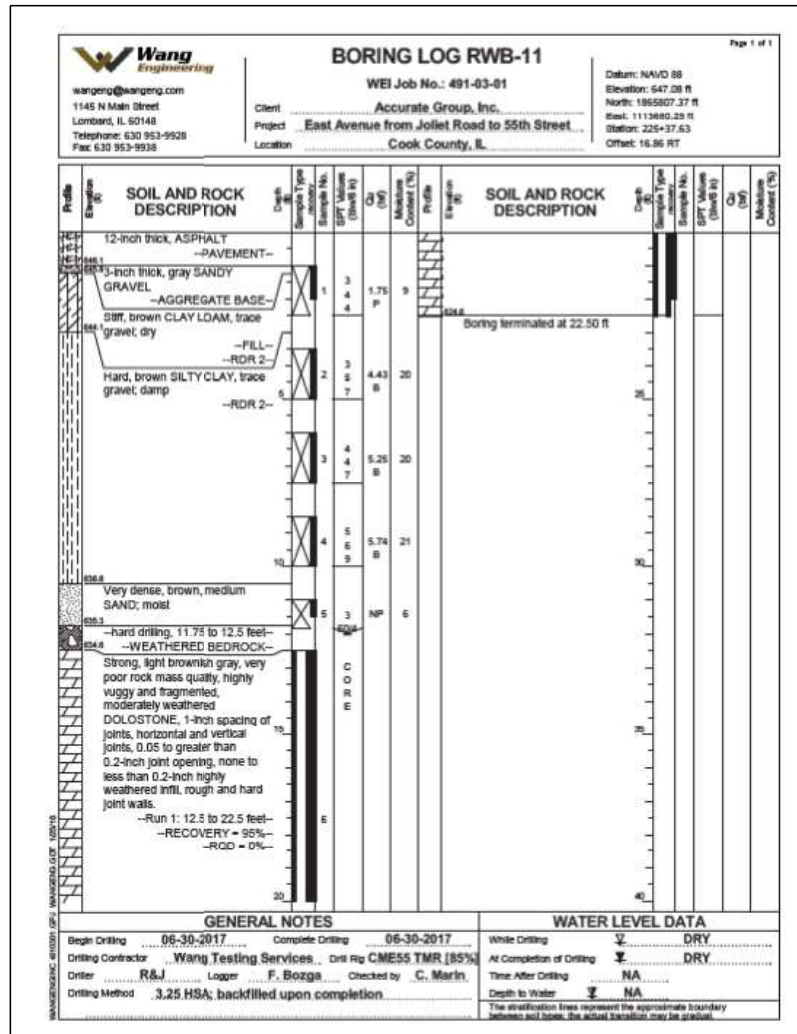
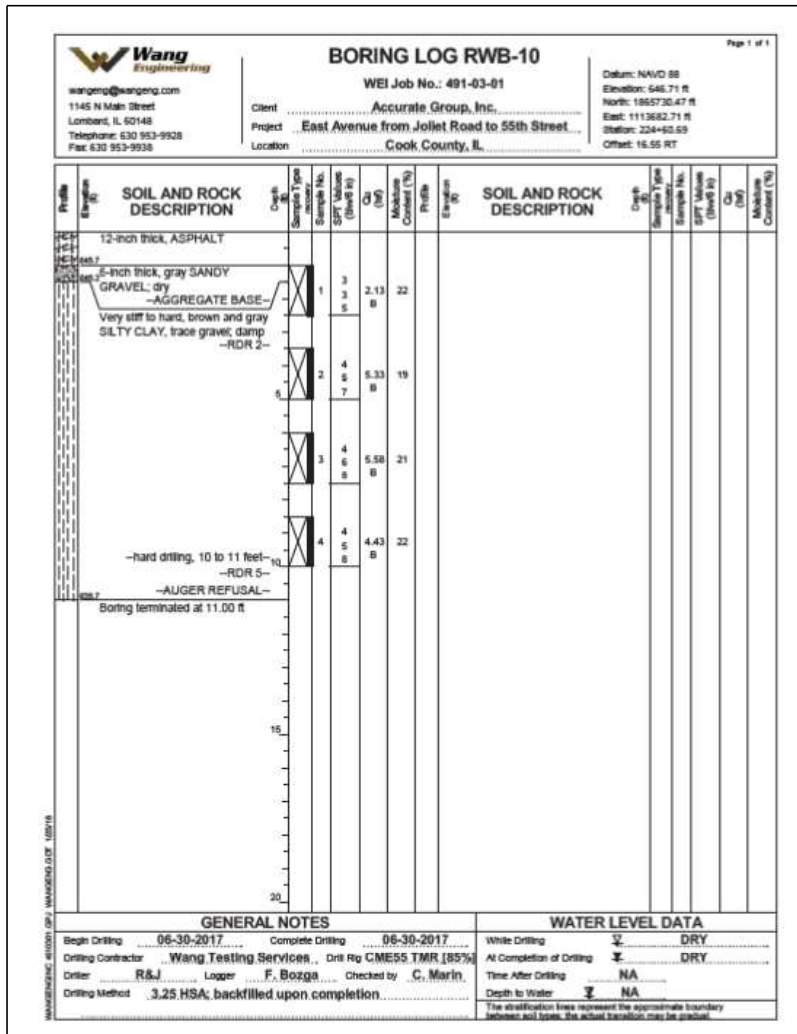
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - 5  
 STRUCTURE NO. 016-2022  
 SHEET S-21 OF S-26 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	321
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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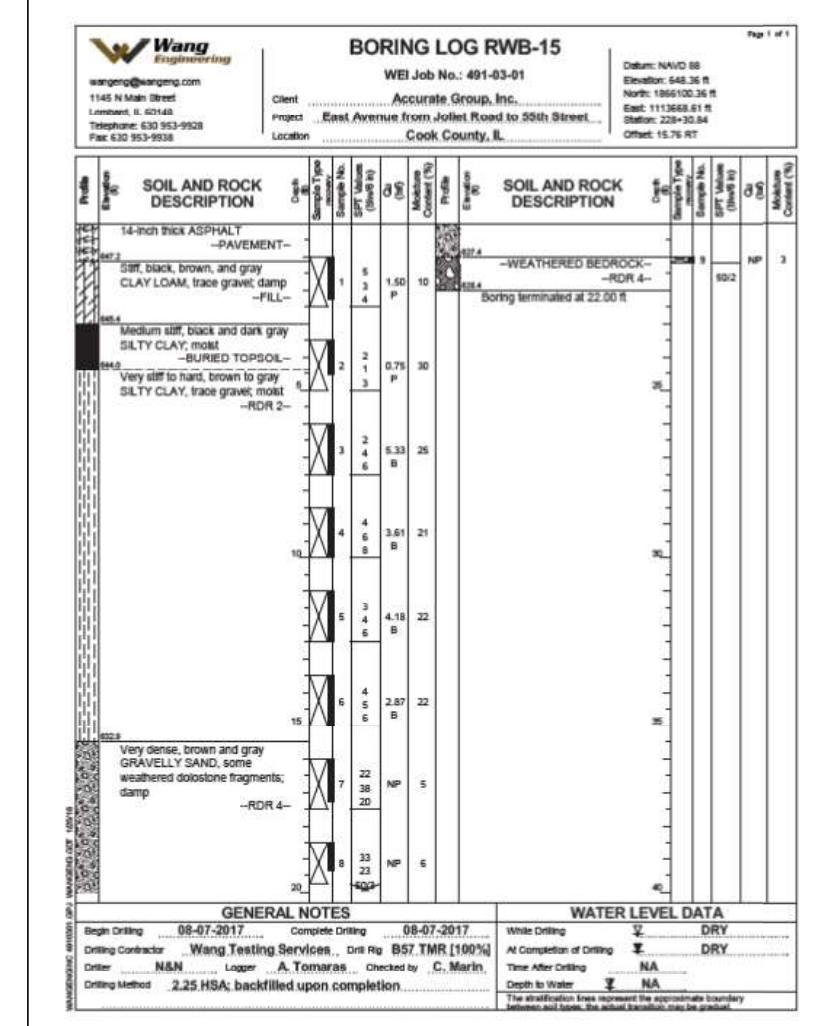
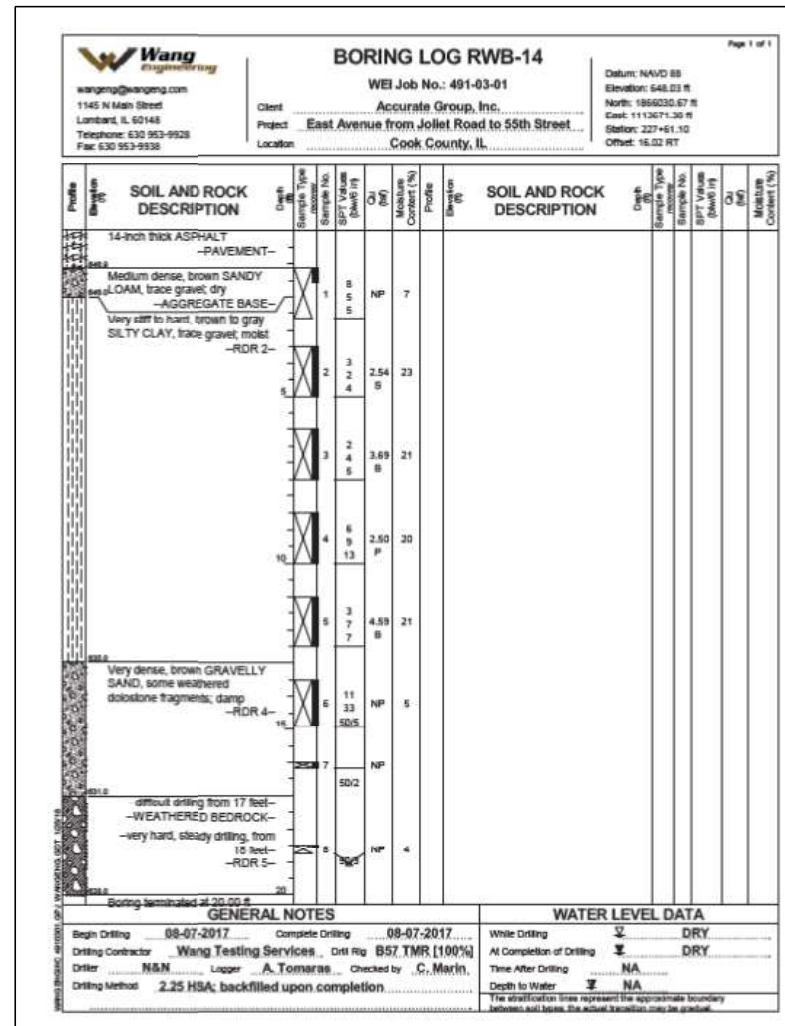
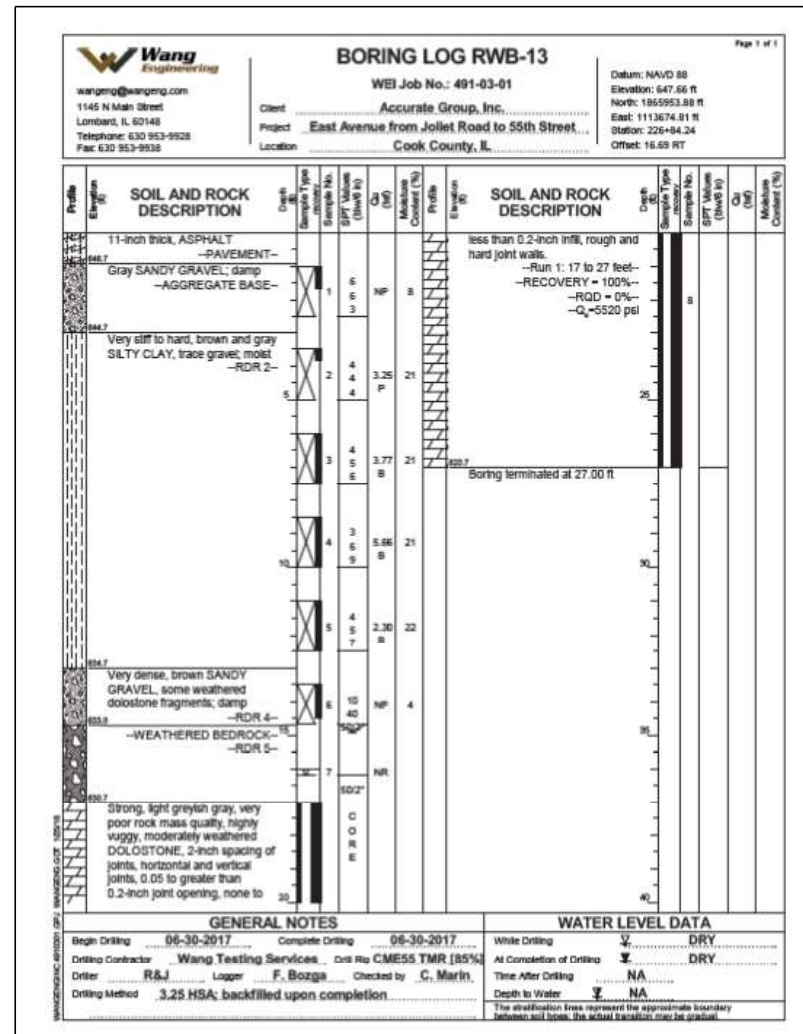
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - 6  
 STRUCTURE NO. 016-2022

SHEET S-22 OF S-26 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	322
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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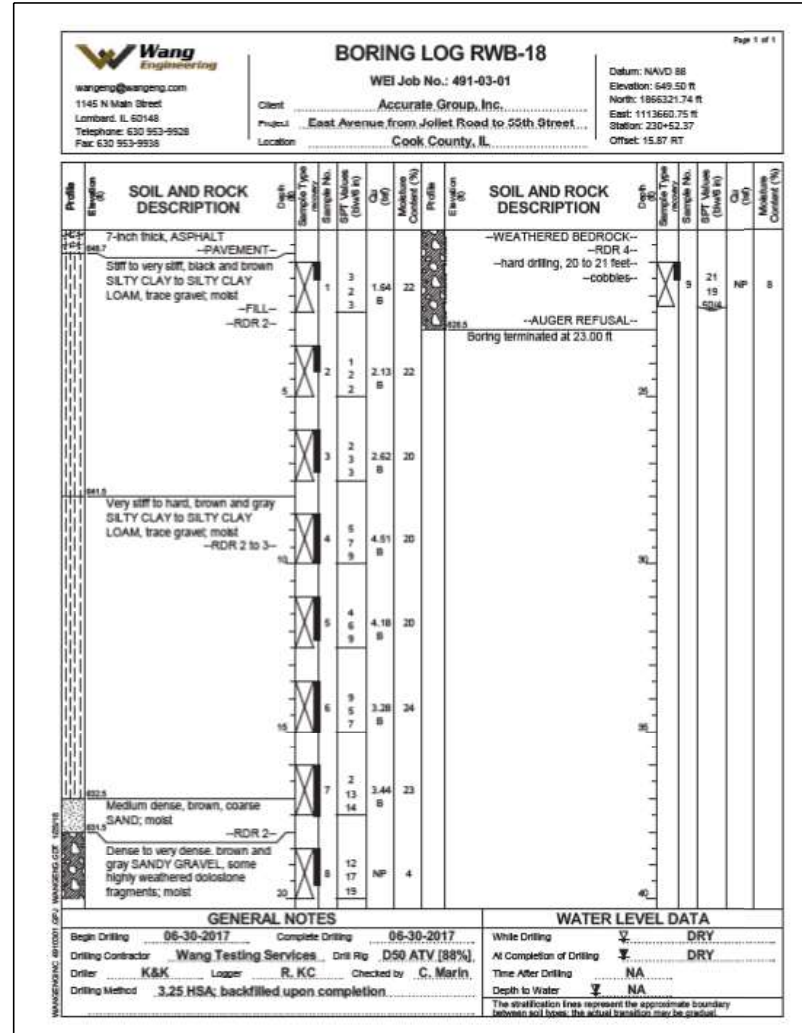
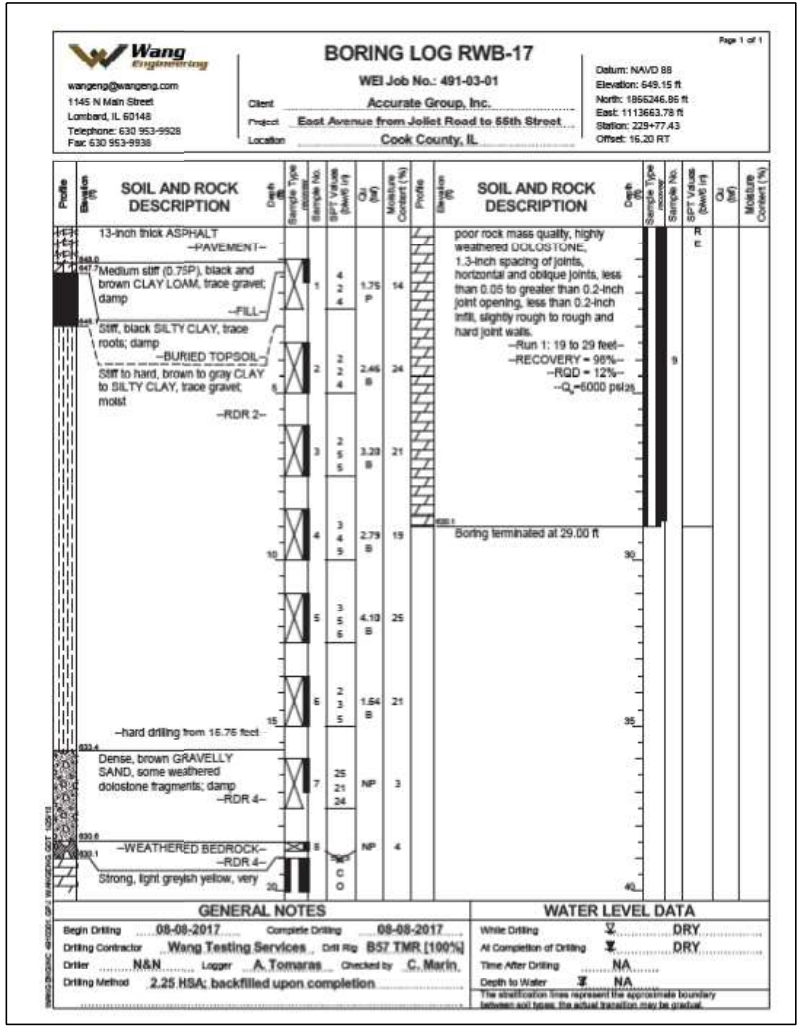
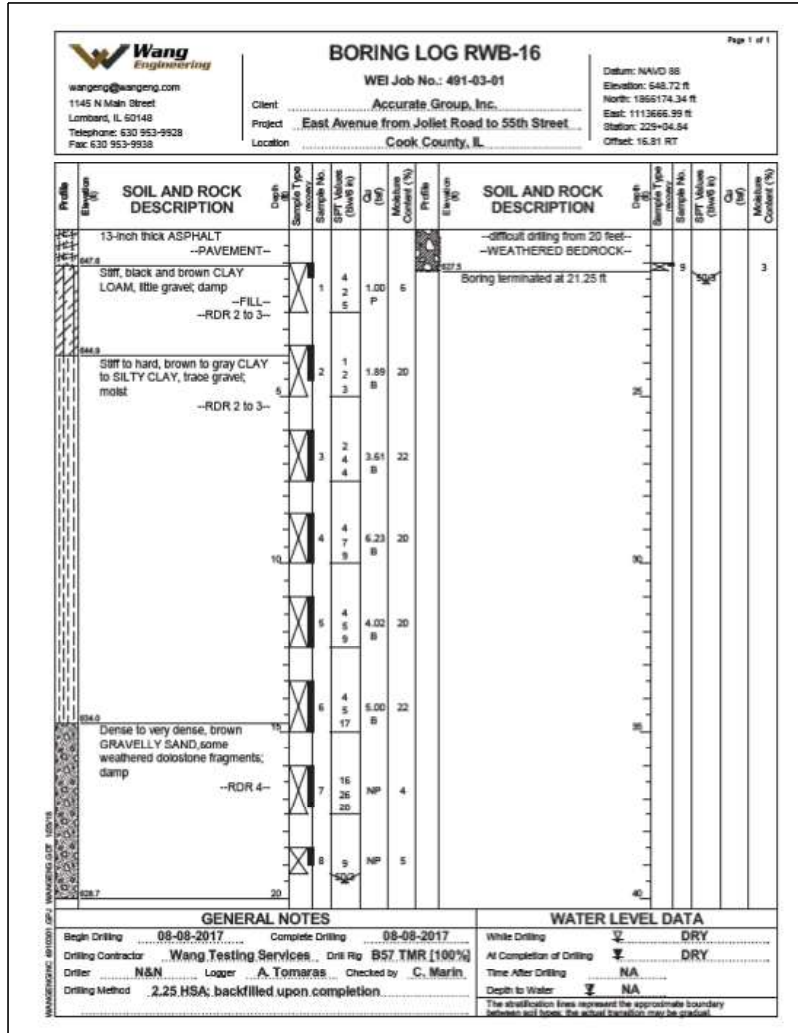
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STATE OF ILLINOIS  
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BORING LOGS - 7  
 STRUCTURE NO. 016-2022  
 SHEET S-23 OF S-26 SHEETS

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 323
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

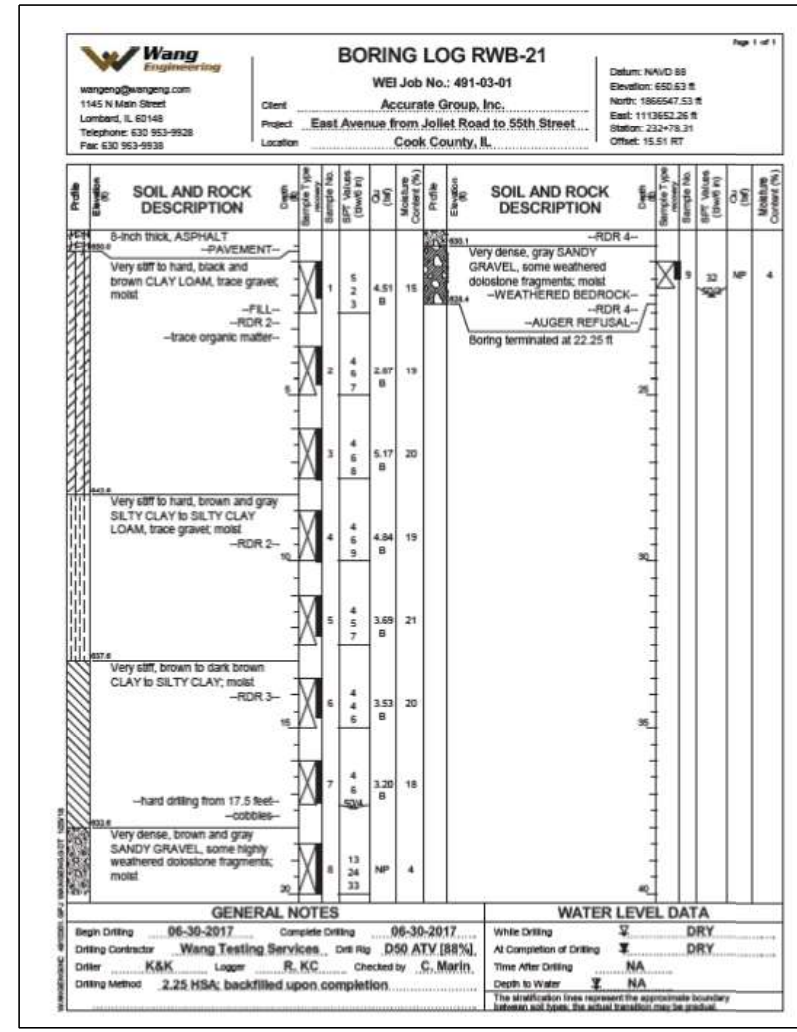
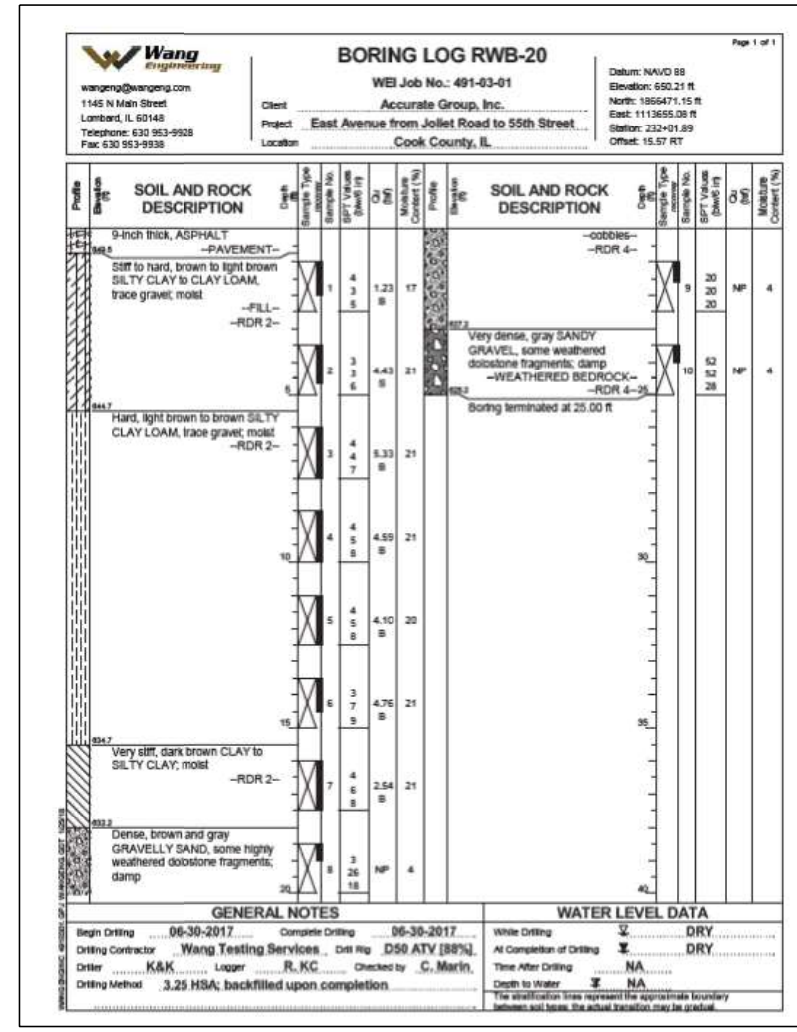
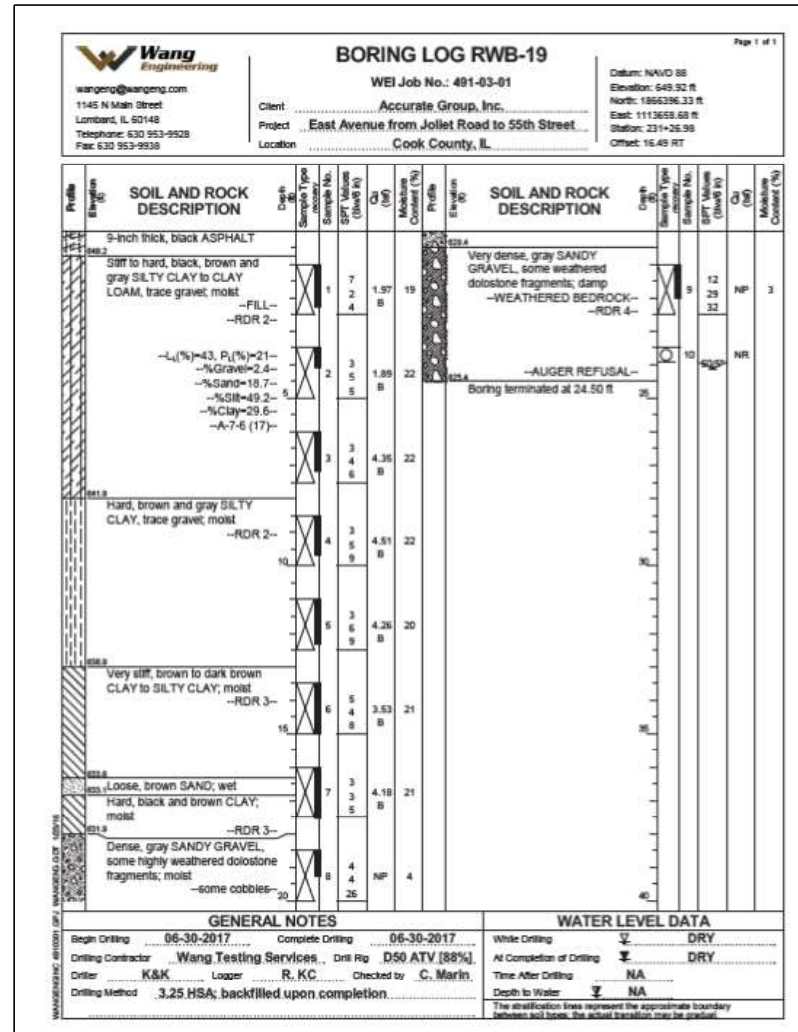
BORING LOGS - 8  
STRUCTURE NO. 016-2022

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	324
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

SHEET 8-24 OF 8-26 SHEETS



MODEL: Default  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - 9  
 STRUCTURE NO. 016-2022  
 SHEET S-25 OF S-26 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	325
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
654.4	4-inch thick ASPHALT over 12-inch thick CONCRETE							654.4	--RDR 3 to 4--						
654.4	--PAVEMENT--							654.4							
654.8	White GRAVELLY SAND; dry							654.8							
654.8	--BASE COURSE--							654.8							
654.8	Medium stiff to very stiff, brown and gray SILTY CLAY to CLAY LOAM, trace gravel; moist							654.8							
654.8	--FILL--							654.8	--some highly weathered dolostone fragments--						
654.8	--RDR 2--							654.8	Boring terminated at 25.00 ft						
654.8		1	3	4	2.75	23		654.8							
654.8		2	3	2	0.82	25		654.8							
654.8		3	1	1	0.98	23		654.8							
654.8		4	2	2				654.8							
654.8		5	2	2				654.8							
654.8		6	2	1				654.8							
654.8		7	3	3				654.8							
654.8		8	3	3				654.8							
654.8		9	3	3				654.8							
654.8		10	2	2				654.8							
654.8		11	2	2				654.8							
654.8		12	2	2				654.8							
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654.8		14	2	2				654.8							
654.8		15	2	2				654.8							
654.8		16	2	2				654.8							
654.8		17	2	2				654.8							
654.8		18	2	2				654.8							
654.8		19	2	2				654.8							
654.8		20	2	2				654.8							
654.8		21	2	2				654.8							
654.8		22	2	2				654.8							
654.8		23	2	2				654.8							
654.8		24	2	2				654.8							
654.8		25	2	2				654.8							
654.8		26	2	2				654.8							
654.8		27	2	2				654.8							
654.8		28	2	2				654.8							
654.8		29	2	2				654.8							
654.8		30	2	2				654.8							
654.8		31	2	2				654.8							
654.8		32	2	2				654.8							
654.8		33	2	2				654.8							
654.8		34	2	2				654.8							
654.8		35	2	2				654.8							
654.8		36	2	2				654.8							
654.8		37	2	2				654.8							
654.8		38	2	2				654.8							
654.8		39	2	2				654.8							
654.8		40	2	2				654.8							

RWB-22 Station along East Ave.: 233+72.5  
 RWB-22 Offset from East Ave.: 108.37' RT

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-10-2017	Complete Drilling	08-10-2017	While Drilling	✓	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	B57 TMR [100%]	At Completion of Drilling	✓	DRY	
Driller	N&N	Logger	A. Tomaras	Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25 HSA; backfilled upon completion			Depth to Water	✓	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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		CHECKED -	JMT	REVISED -	
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PLOT DATE =	8/10/2021	CHECKED -	SPS	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - 10  
 STRUCTURE NO. 016-2022  
 SHEET S-26 OF S-26 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	326
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled Square on south side of traffic signal concrete foundation at NW corner of 55th St. and Sergo Drive. Elev. 651.20

Existing Structure: None

Traffic on 55th St. and Sergo Dr. will be maintained utilizing staged construction.

**GENERAL NOTES**

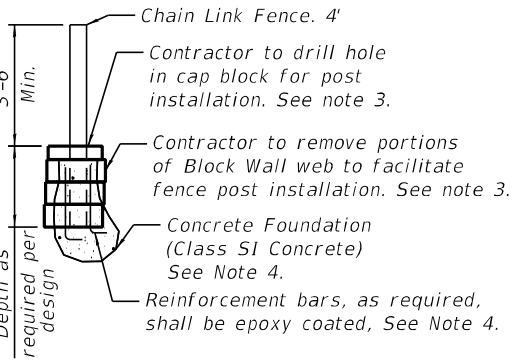
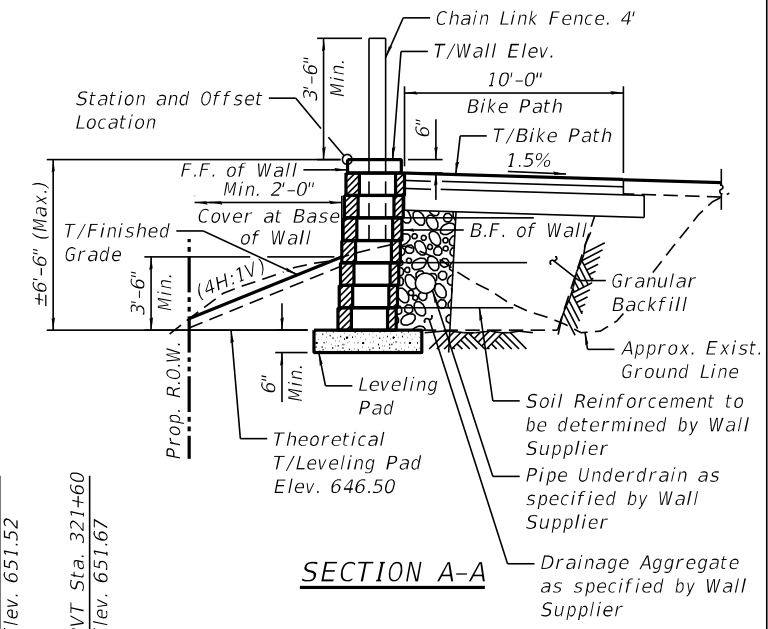
1. A rodent shield and headwall shall be provided for all pipe underdrains outleting to daylight. If pipe underdrain is required per manufacturer requirements. Cost of rodent shield, headwall and pipe underdrain shall be included with the cost of Segmental Concrete Block Wall.
2. The maximum factored bearing resistance shall be 3500 psf.
3. Modifications to the block walls and additional material required for installation of fence post shall be included with the cost of Segmental Concrete Block Wall.
4. Cost of excavation and backfill required for the construction of the wall shall be included with the cost of Segmental Concrete Block Wall.
5. Concrete and reinforcement bars for fence post foundation shall be included with the Cost of Chain Link Fence, 4'.
6. Knuckled Fabric shall be used for Chain Link Fence, 4'.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Segmental Concrete Block wall	Sq. Ft.	937
Chain Link Fence, 4'	Foot	152

**INDEX OF SHEETS**

- S-1. Genral Plan and Elevation
- S-2. Boring Logs - I



**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**DESIGN STRESSES**

FIELD UNITS

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**DESIGN LOADING**

250 psf vehicular live load surcharge  
Fence design according to Ch. 13.9 of the 2017 AASHTO LRFD Specifications.

**GENERAL PLAN AND ELEVATION**

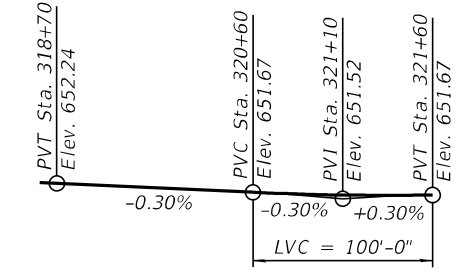
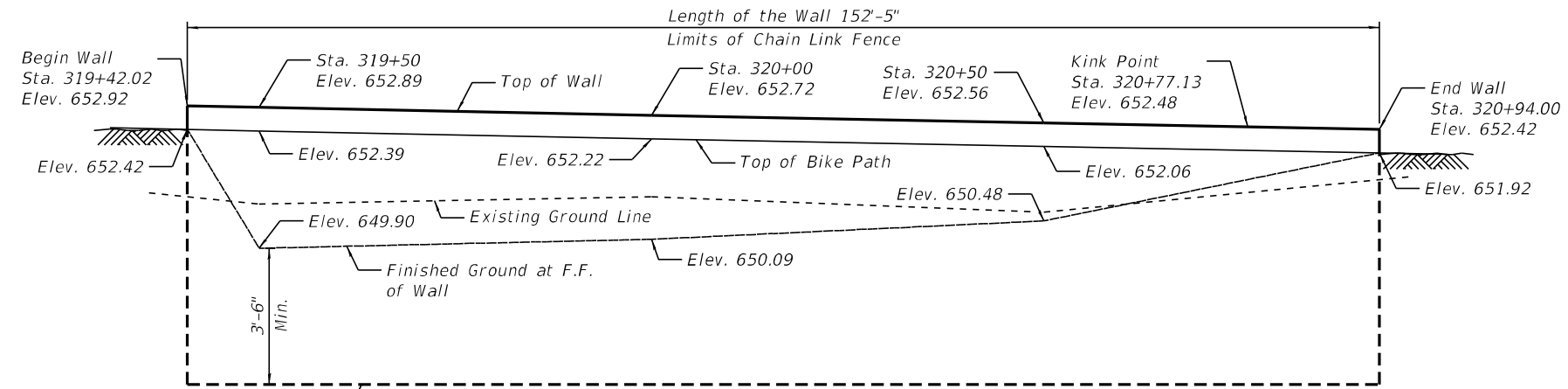
RETAINING WALL ALONG

55TH ST. AT SERGO DR.

SECTION NO. 0102N&T

COOK COUNTY

STATION 319+42.02 TO 320+94.00

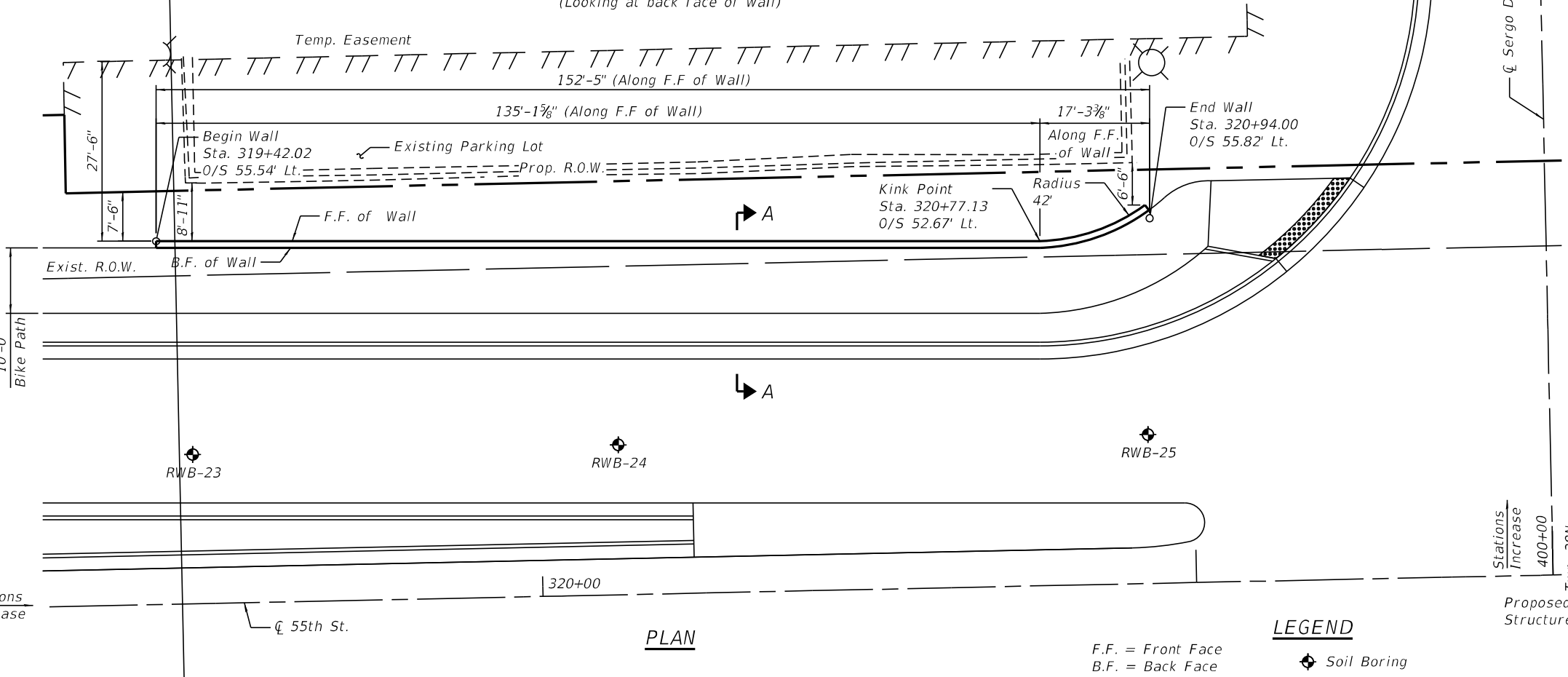


**DEVELOPED ELEVATION**

(Looking at back face of wall)

**PROFILE GRADE**

(Along  $\bar{C}$  55th St.)

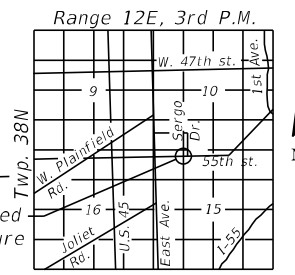


**PLAN**

**LEGEND**

F.F. = Front Face  
B.F. = Back Face

Soil Boring



LOCATION SKETCH

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CHECKED - JMT	REVISIONS -	
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PLOT DATE = 8/5/2021	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SHEET S-1 OF S-2 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	327
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
651.56	6-inch thick, ASPHALT over 11-inch thick CONCRETE -PAVEMENT-						651.56						
649.2	Very stiff, gray, brown, and black SILTY CLAY LOAM, trace gravel; moist -FILL- -RDR 2-	1	3	3	2.75	26	649.2						
647.9	Stiff, black SILTY CLAY, trace roots; moist -BURIED TOPSOIL- -RDR 2-	2	3	3	1.75	32	647.9						
646.1	Stiff to hard, brown to gray SILTY CLAY, trace gravel; moist -RDR 2-	3	2	3	1.80	26	646.1						
		4	4	4	3.20	20							
		5	7	7	6.15	20							
		6	4	4	3.94	23							
		7	4	5	3.53	19							
633.8	Very dense DOLOSTONE -RDR 4- -WEATHERED BEDROCK-	8	50/2	NP		8	633.8						

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	08-09-2017	Complete Drilling	08-09-2017	While Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	B57 TMR [100%]	At Completion of Drilling	DRY
Driller	N&N	Logger	A. Tomaras	Time After Drilling	NA
Checked by	C. Marin	Depth to Water	NA		
Drilling Method: 2.25 HSA; backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual		

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
651.32	13-inch thick, ASPHALT -PAVEMENT-						651.32						
649.3	Stiff, gray and black SILTY CLAY, trace gravel; moist -FILL- -RDR 2-	1	3	2	1.00	21	649.3						
648.3	Stiff, black and brown SILTY CLAY; moist -BURIED TOPSOIL- -RDR 2-	2	2	2	1.50	32	648.3						
645.8	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; moist -RDR 2-	3	3	5	4.10	19	645.8						
641.6	Soft (0.25P), gray CLAY; wet	4	2	3	2.95	16	641.6						
640.8	Hard, gray SILTY CLAY, trace gravel; moist -RDR 2-	5	3	5	4.35	21	640.8						
		6	4	5	5.00	23							
		7	4	5	4.35	19							
	-difficult drilling from 18.25 feet-												
633.1	Very dense DOLOSTONE fragments -RDR 4- -WEATHERED BEDROCK-	8	50/2	NP		8	633.1						

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	08-09-2017	Complete Drilling	08-09-2017	While Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	B57 TMR [100%]	At Completion of Drilling	DRY
Driller	N&N	Logger	A. Tomaras	Time After Drilling	NA
Checked by	C. Marin	Depth to Water	NA		
Drilling Method: 2.25 HSA; backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual		

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
651.18	15-inch thick, ASPHALT -PAVEMENT-						651.18						
649.9	Medium dense, white GRAVELLY SAND; dry -BASE COURSE- -RDR 2-	1	9	8	NP		649.9						
648.0	Brown and black CLAY LOAM, trace gravel; moist -FILL- -RDR 2-	2	4	3	NA	28	648.0						
		3	2	2	NA	25							
643.2	Very stiff to hard, brown to gray SILTY CLAY, trace gravel; moist -RDR 2-	4	2	4	2.79	26	643.2						
		5	3	5	3.61	20							
		6	3	3	2.30	21							
638.4	-sand lenses; damp-	7	2	4	5.41	18	638.4						
		8	4	11	2.46	21							
631.7	Medium dense, brown	10					631.7						

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	08-09-2017	Complete Drilling	08-09-2017	While Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	B57 TMR [100%]	At Completion of Drilling	DRY
Driller	N&N	Logger	A. Tomaras	Time After Drilling	NA
Checked by	C. Marin	Depth to Water	NA		
Drilling Method: 2.25 HSA; backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual		

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 PLOT DATE = 8/5/2021

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 CHECKED - SPS

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BORING LOGS - 11**

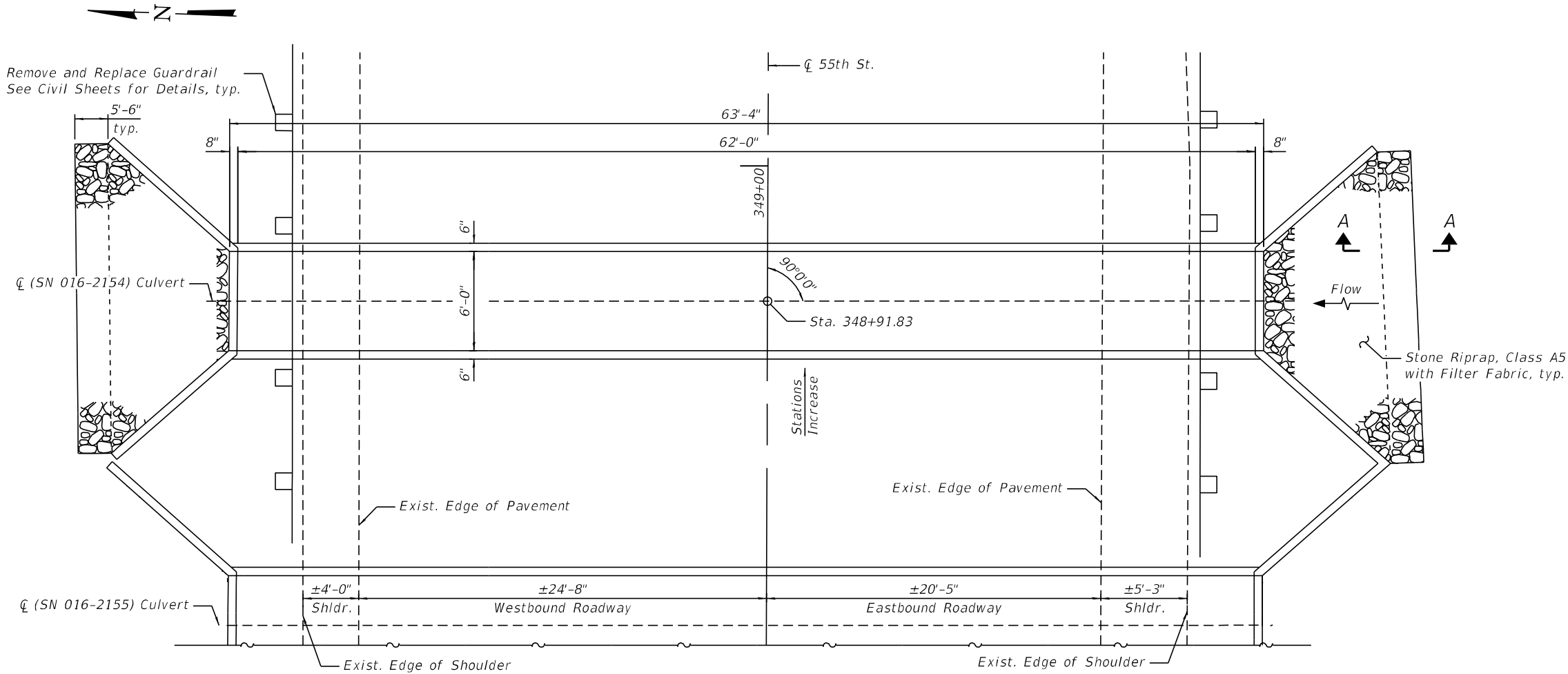
SHEET S-2 OF S-2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	328
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

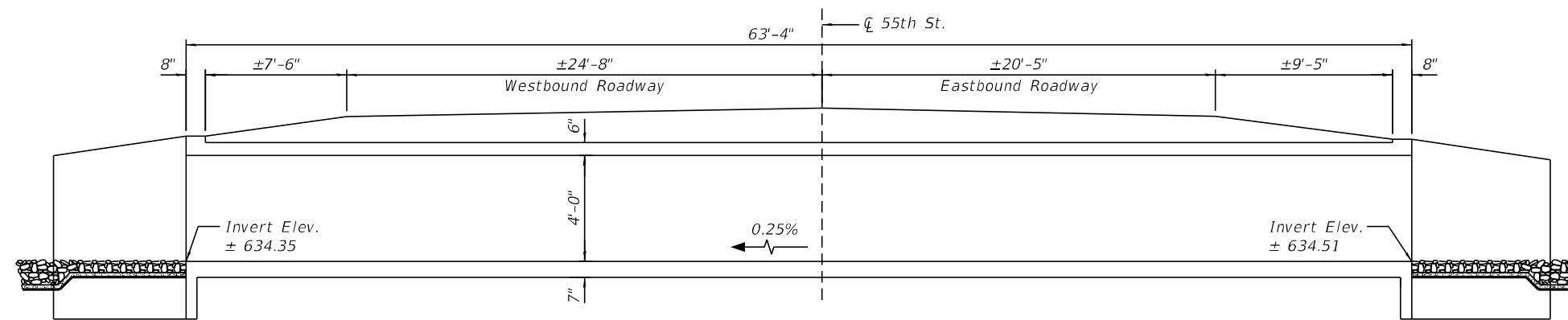
Benchmark: Chiseled Square on south side of traffic signal concrete foundation at NW corner of 55th St. and Sergo Drive.  
Elev. 651.20

Existing Structure: Existing Structure 016-2154 is a cast-in place concrete single cell Box Culvert 6'x4' carrying 55th Street over East Ave. Drainage Ditch. The structure is located east of S.N.: 016-2155. The overall length of the culvert is approximately 63'-4" out to out of headwalls.

Traffic will be maintained utilizing staged construction during repairs.



PLAN



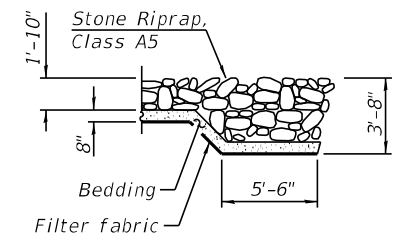
LONGITUDINAL SECTION

**INDEX OF SHEETS**

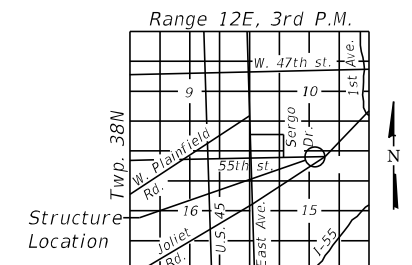
- S-1. General Plan and Elevation
- S-2. Culvert Repair Details

**SCOPE OF WORK**

1. Perform Structural Repair of Concrete and Epoxy Crack Injection.
2. Remove Debris in channel at upstream and downstream end of the culvert.
3. Clean Existing Box Culvert.
4. Place Rip-rap at upstream and downstream end.



SECTION A-A



LOCATION SKETCH

**GENERAL PLAN AND ELEVATION  
55TH ST. (F.A.U. 2719)  
OVER EAST AVE. DRAINAGE DITCH  
SECTION NO. 0102N&T  
COOK COUNTY  
STATION 348+91.83  
STRUCTURE NO. 016-2154**

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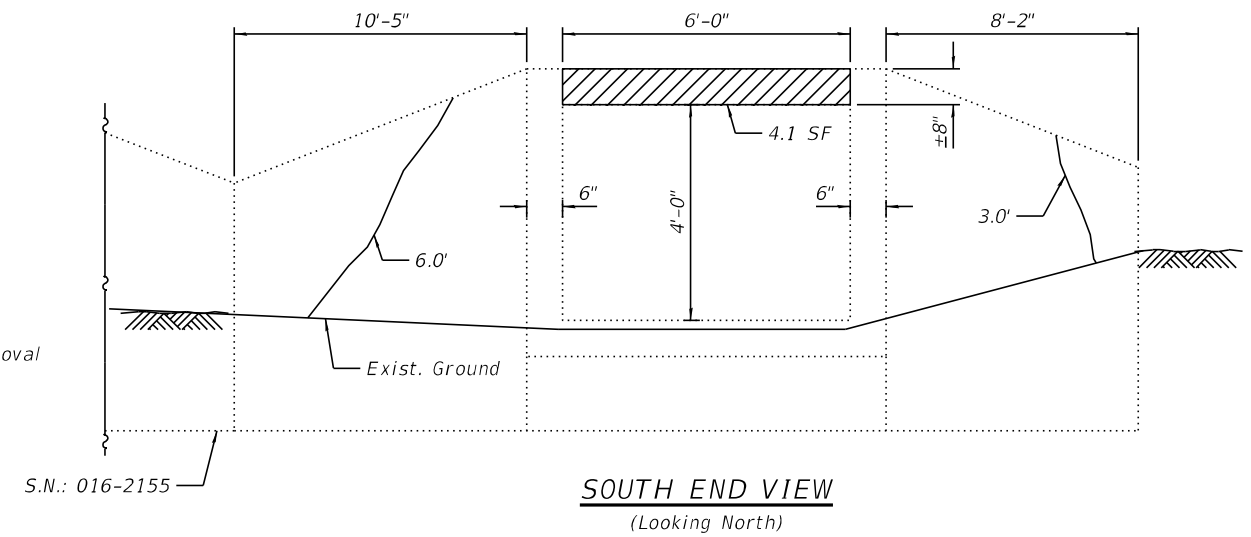
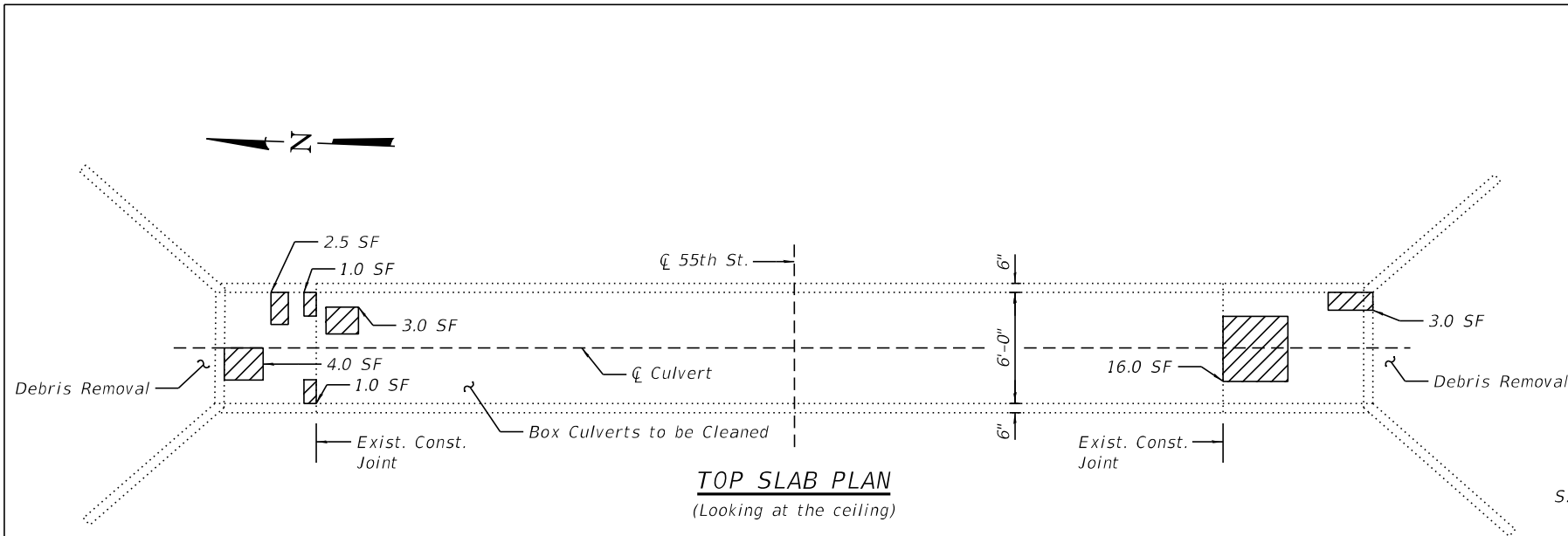


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PLOT DATE = 8/5/2021	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SHEET S-1 OF S-2 SHEETS

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 329
			CONTRACT NO. 62C25	
ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

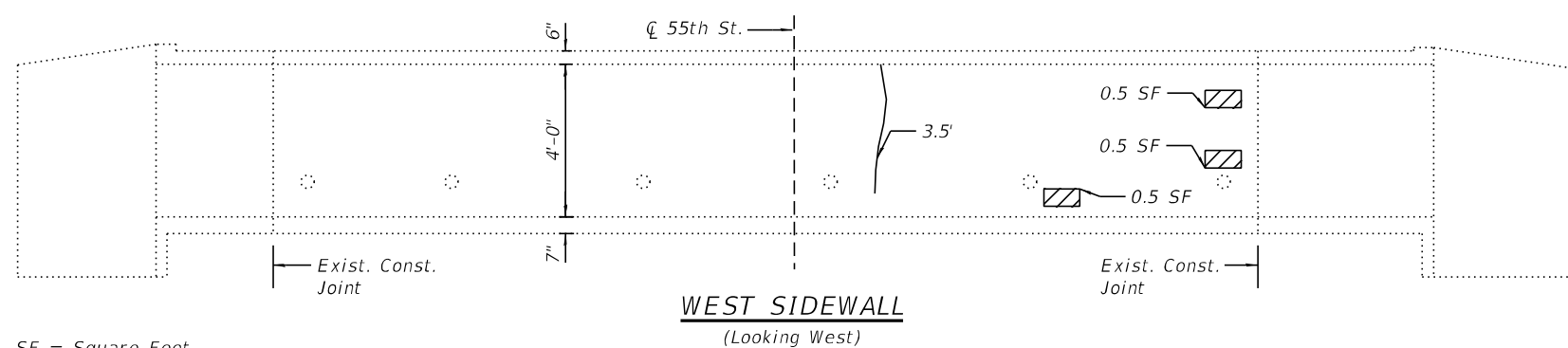
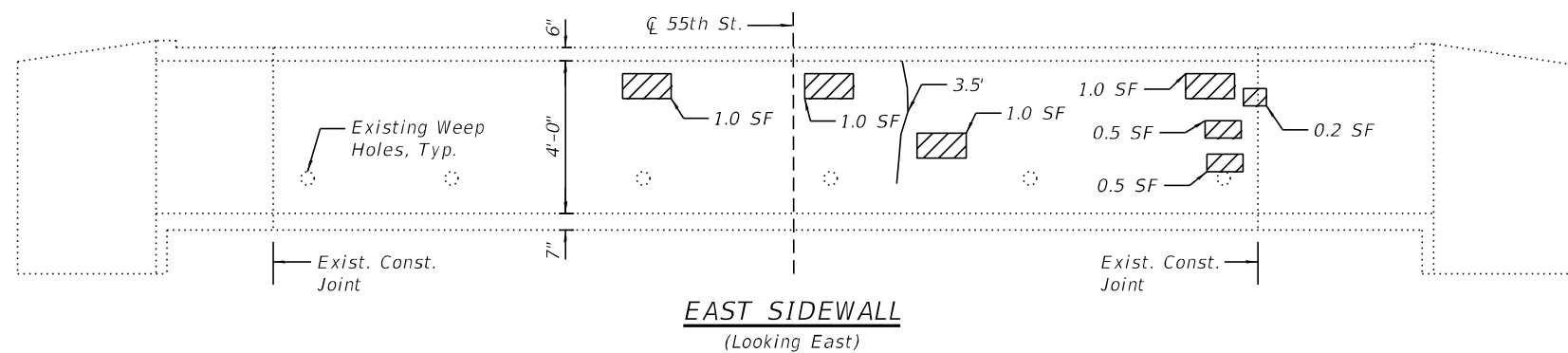
1. Culvert repairs to be performed during low flow.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
4. The 2 year peak flow rate is 57.1 cfs.

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less than 5")
- Epoxy Crack Injection

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A5	Sq. Yd.	18
Filter Fabric	Sq. Yd.	18
Epoxy Crack Injection	Foot	16
Box Culverts to be Cleaned	Foot	63.3
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	42
Debris Removal	L. Sum	0.25



SF = Square Feet

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CULVERT REPAIR DETAILS  
STRUCTURE NO. 016-2154**

SHEET S-2 OF S-2 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	330
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

Benchmark: Chieseled Square on south side of traffic signal concrete foundation at NW corner of 55th St. and Sergo Drive. Elev. 651.20

Existing Structure: Existing Structure 016-2155 is a cast-in place concrete single cell Box Culvert 6'x5'-6" carrying 55th Street over East Ave. Drainage Ditch. The structure is located west of S.N.: 016-2154. The overall length of the culvert is approximately 63'-4" out to out of headwalls.

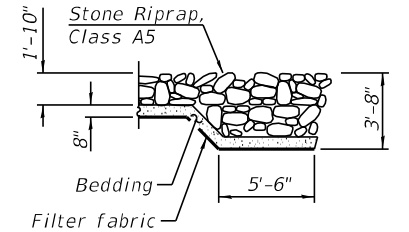
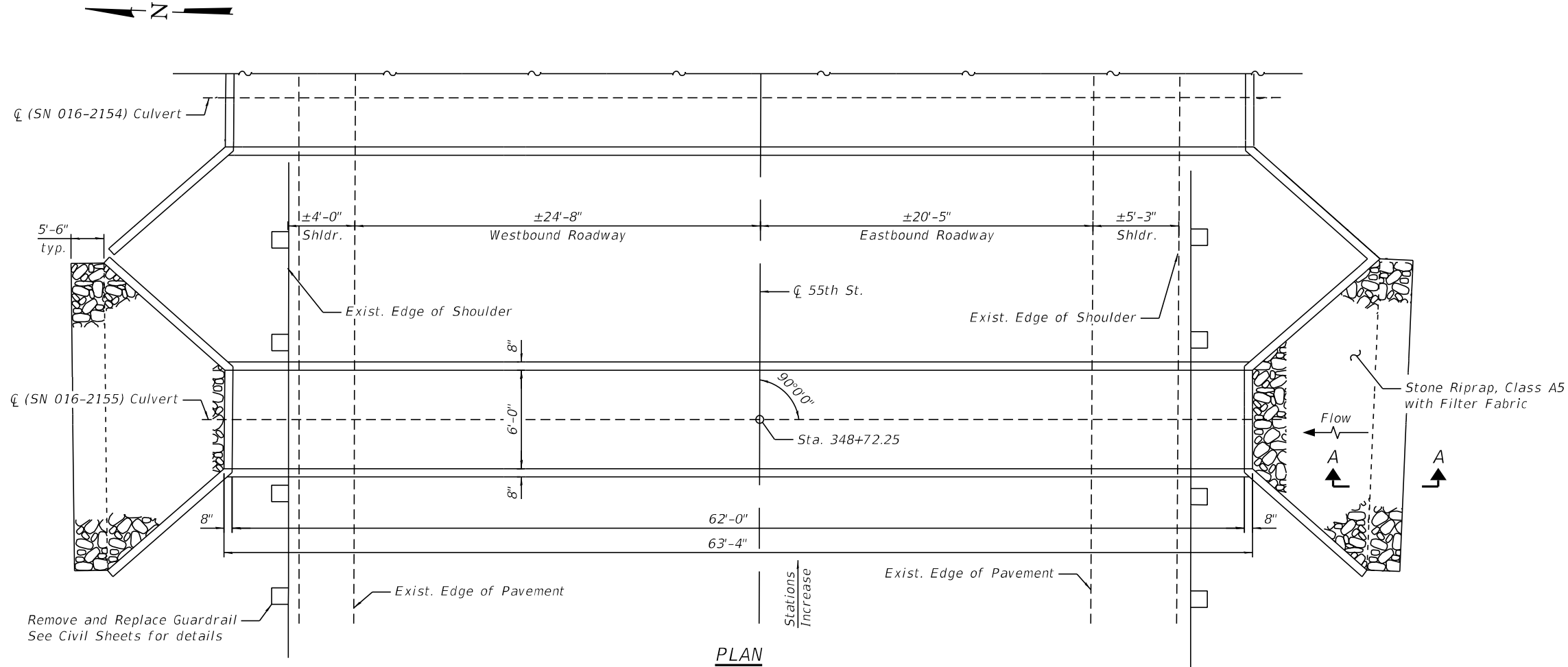
Traffic will be maintained utilizing staged construction during repairs.

**INDEX OF SHEETS**

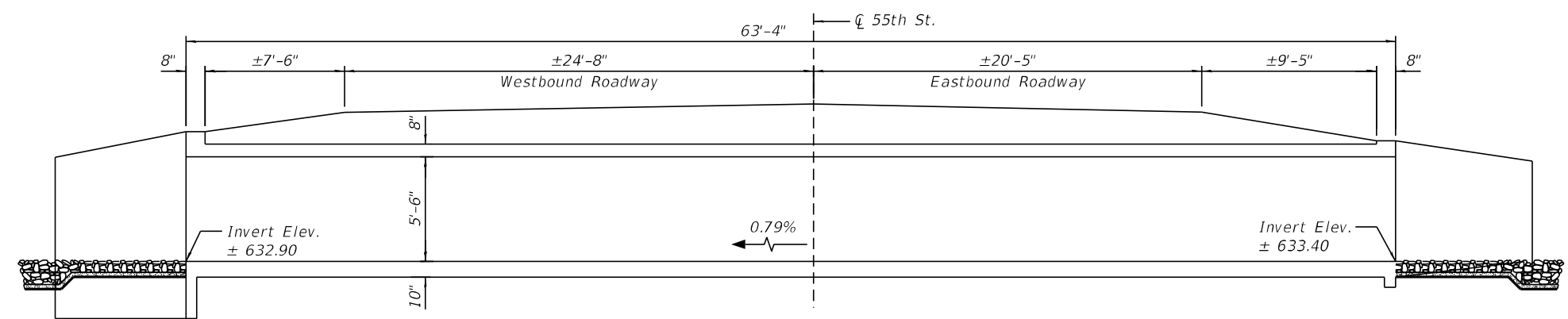
- S-1. General Plan and Elevation
- S-2. Culvert Repair Details

**SCOPE OF WORK**

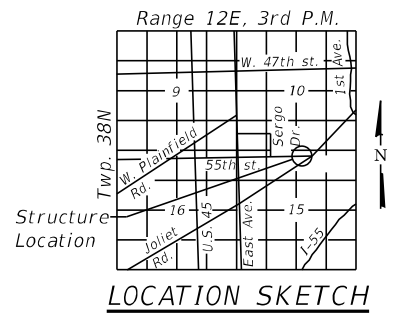
1. Perform Structural Repair of Concrete and Epoxy Crack Injection.
2. Remove Debris at upstream and downstream end of the culvert.
3. Clean Existing Box Culvert.
4. Install Riprap at upstream and downstream end.



**SECTION A-A**



**LONGITUDINAL SECTION**



**GENERAL PLAN AND ELEVATION  
55TH ST. (F.A.U. 2719)  
OVER EAST AVE. DRAINAGE DITCH  
SECTION NO. 0102N&T  
COOK COUNTY  
STATION 348+72.25  
STRUCTURE NO. 016-2155**

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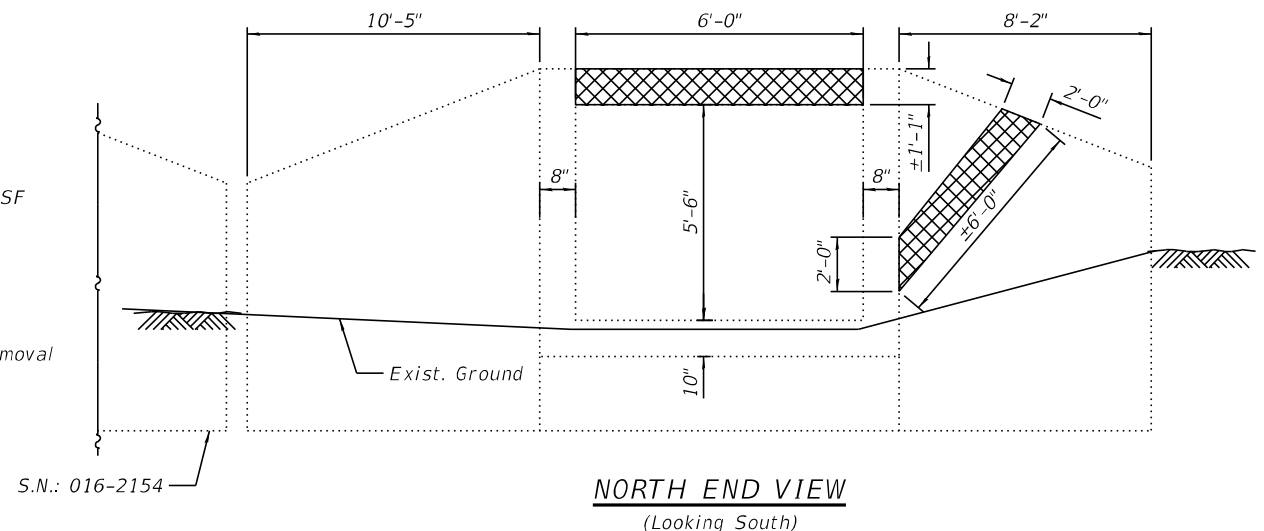
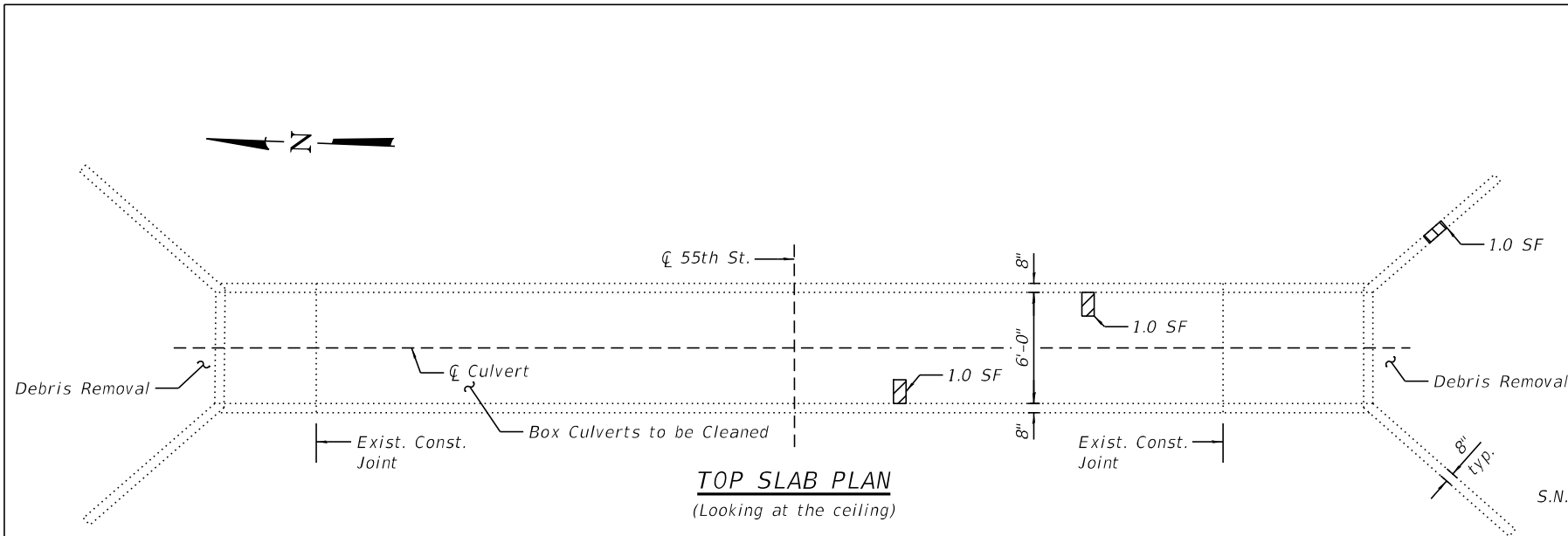


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SHEET S-1 OF S-2 SHEETS

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 331
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

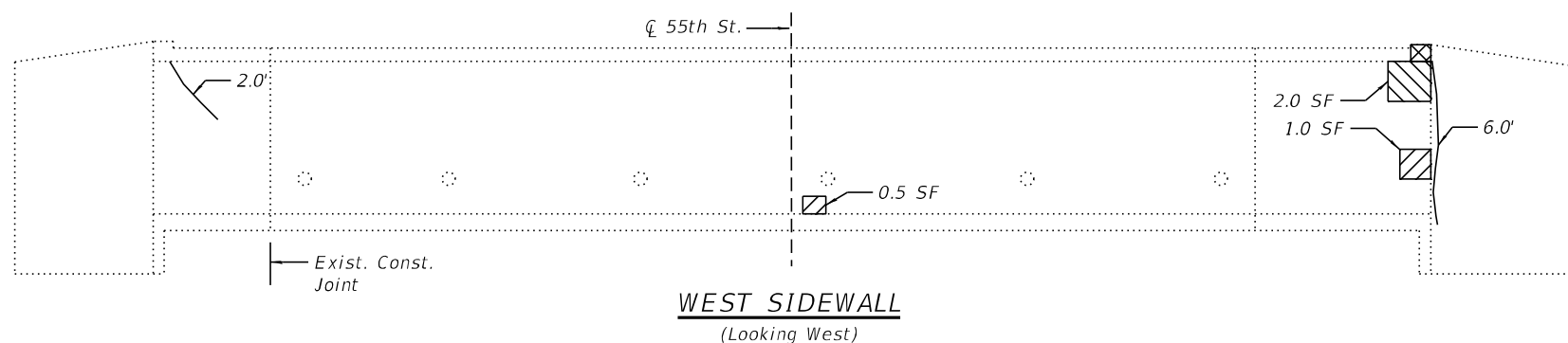
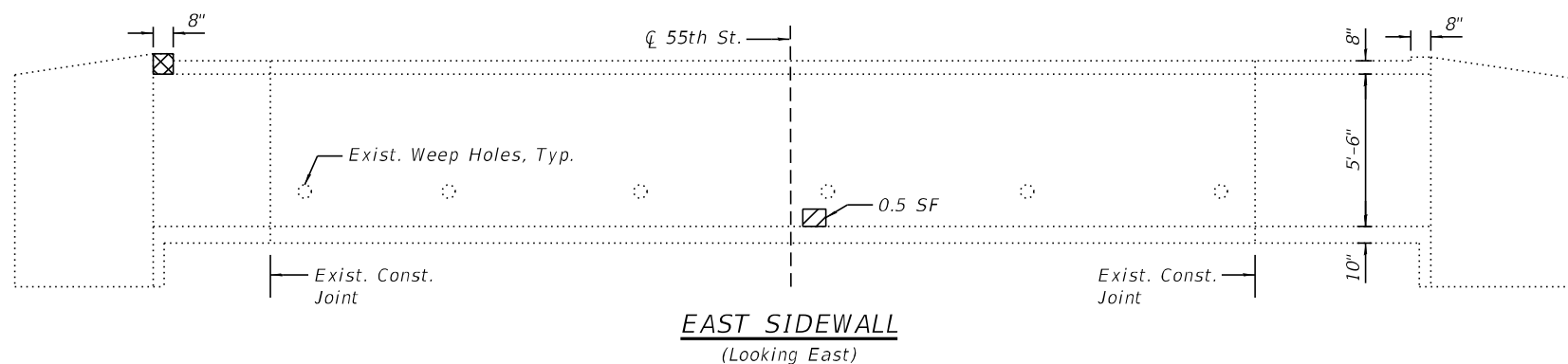
- Culvert repairs to be performed during low flow.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
- The 2 year peak flow rate is 57.1 cfs.

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less than 5")
  - Structural Repair of Concrete (Depth Greater than 5")
  - Concrete Removal and Concrete Structures
  - Epoxy Crack Injection
- SF = Square Feet

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A5	Sq. Yd.	18
Filter Fabric	Sq. Yd.	18
Concrete Removal	Cu. Yd.	0.5
Concrete Structures	Cu. Yd.	0.5
Epoxy Crack Injection	Foot	8
Box Culverts to be Cleaned	Foot	63.3
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	4
Structural Repair of Concrete (Depth Greater than 5")	Sq. Ft.	3
Debris Removal	L. Sum	0.25



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	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CULVERT REPAIR DETAILS**  
**STRUCTURE NO. 016-2155**

SHEET S-2 OF S-2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	332
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



Benchmark: "X" Cut on bolt of hydrant on the west side of East Ave. at 5740 S. East Ave. approximately 100' north of W. 58th Street. Elev. 646.59

Existing Structure: Existing Structure 016-2158 is a cast-in place concrete double cell Box Culvert 5'x5' carrying East Ave. over south culvert outlet to East Ave. drainage ditch. The structure is located north of W. 58th St. The length of the culvert is approximately 64'-8". Upstream end of the box culvert is closed with a junction chamber and a storm sewer.

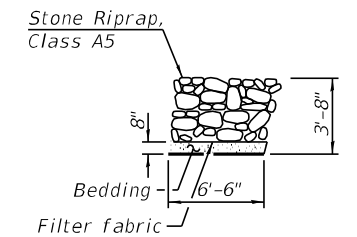
Traffic will be maintained utilizing staged construction during repairs.

**INDEX OF SHEETS**

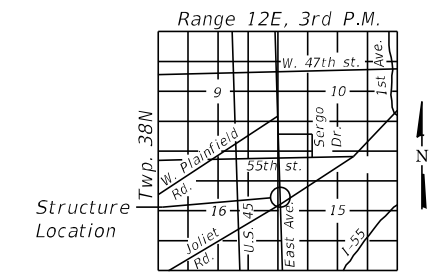
- S-1. General Plan and Elevation
- S-2. Culvert Repair Details

**SCOPE OF WORK**

1. Perform Structural Repair of Concrete and Epoxy Crack Injection.
2. Remove Debris at downstream end of the culvert.
3. Clean Existing Box Culvert.
4. Place Riprap at downstream end.
5. Remove and Replace the Storm Sewer at the south-east corner of the culvert.

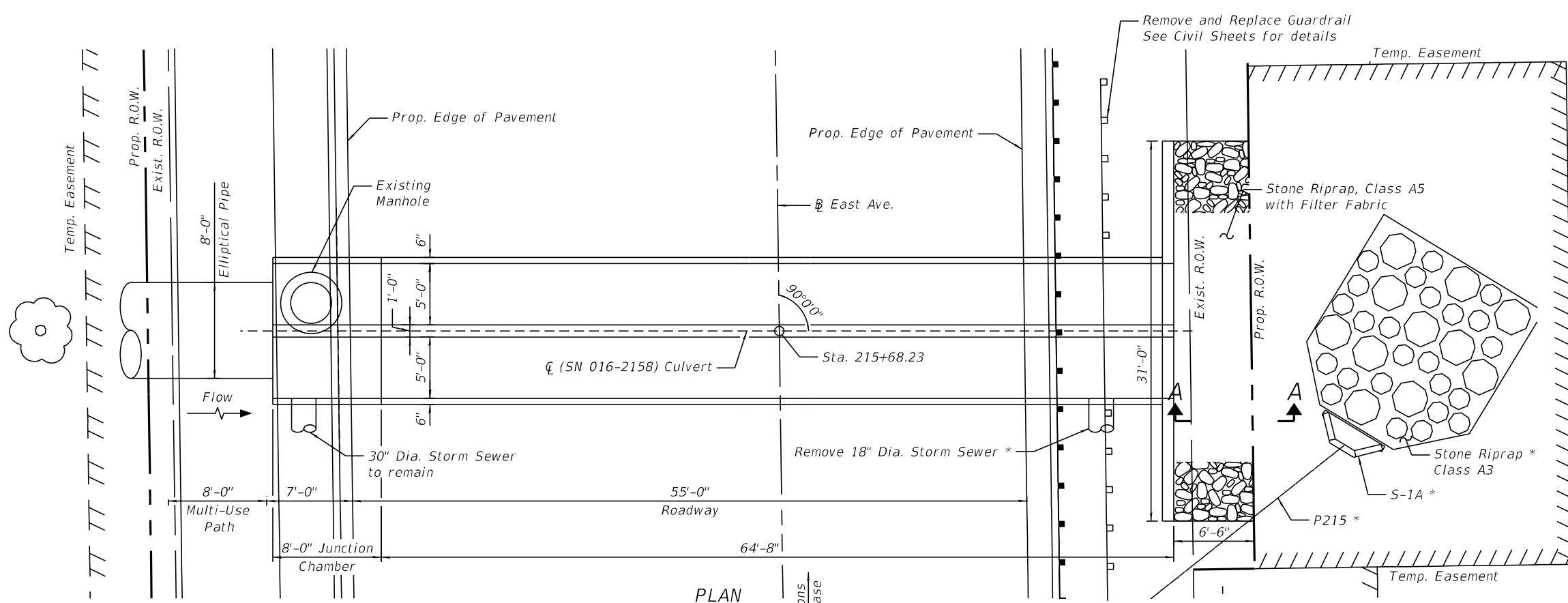


**SECTION A-A**

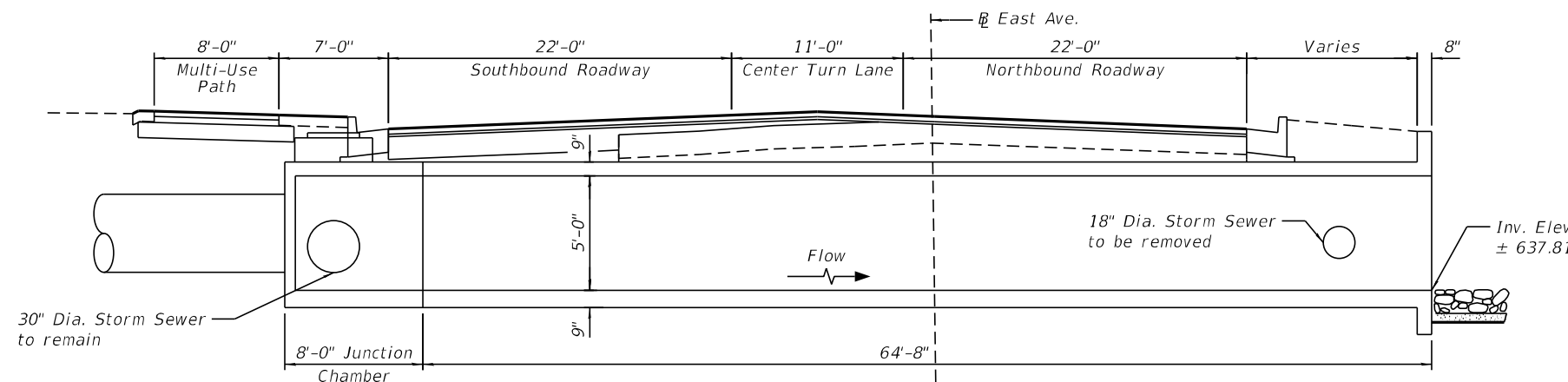


**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION  
EAST AVE. (F.A.U. 2719)  
OVER SOUTH CULVERT OUTLET  
TO EAST AVE. DRAINAGE DITCH  
SECTION NO. 0102N&T  
COOK COUNTY  
STATION 215+68.23  
STRUCTURE NO. 016-2158**



\* See Drainage Sheets for details.



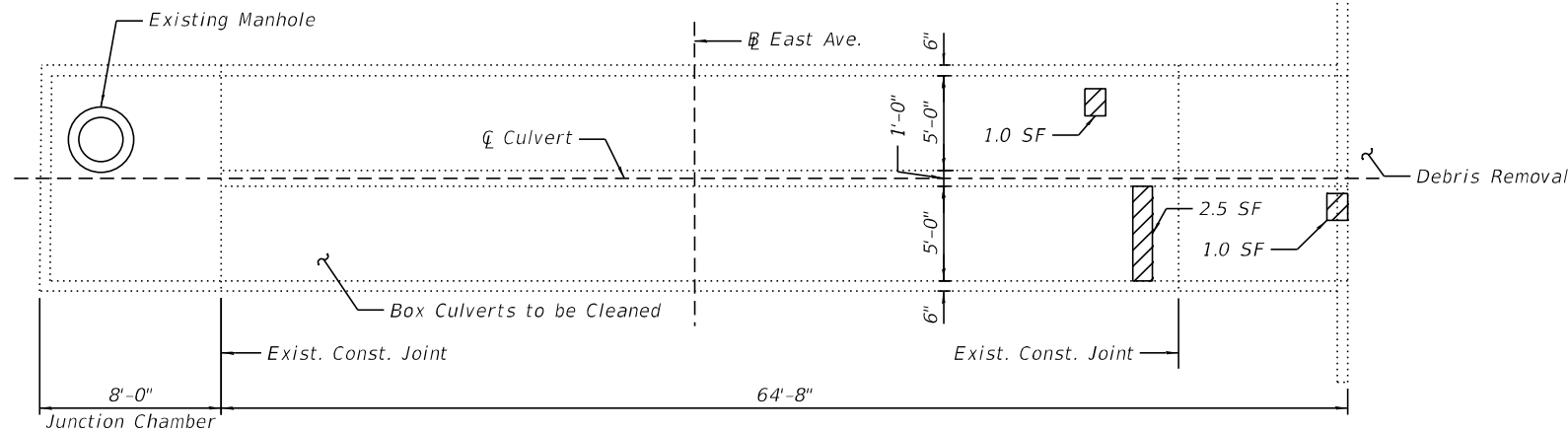
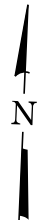
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SHEET S-1 OF S-2 SHEETS

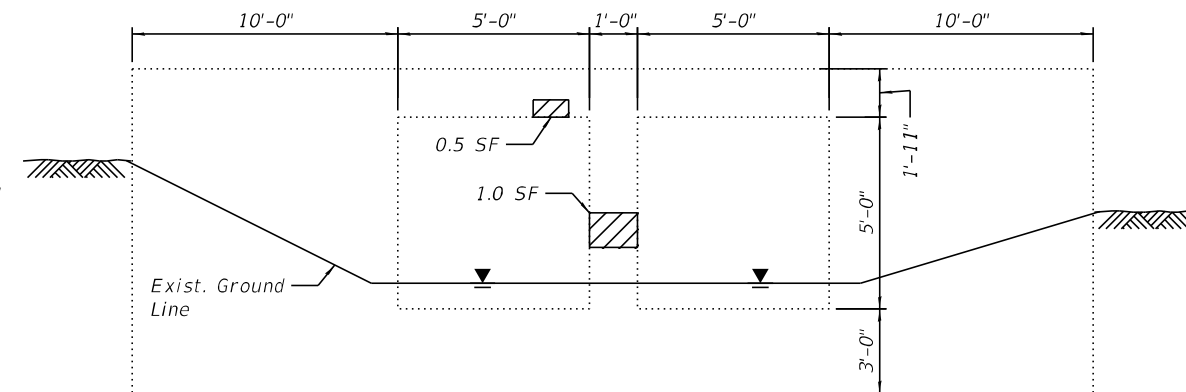
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CONTRACT NO. 62C25				

ILLINOIS FED. AID PROJECT

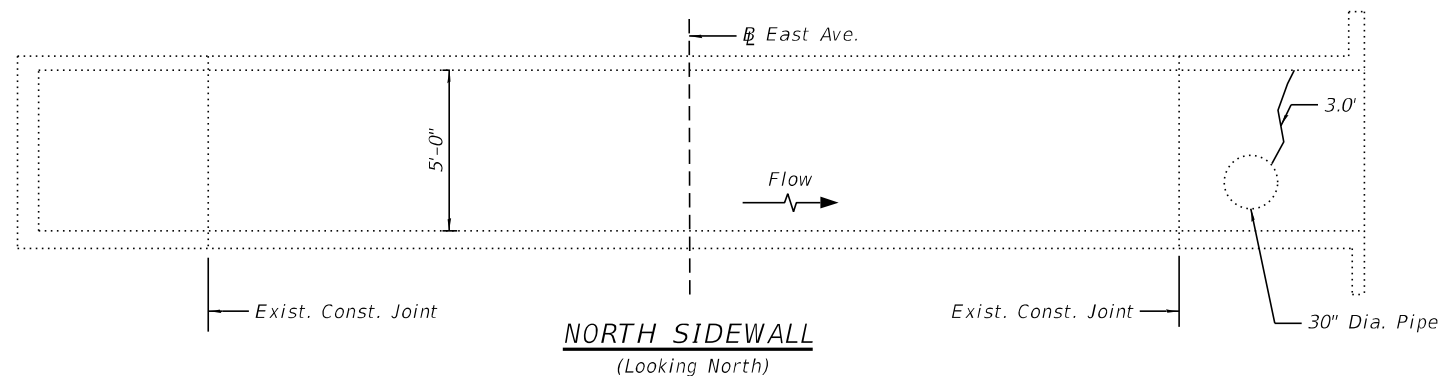
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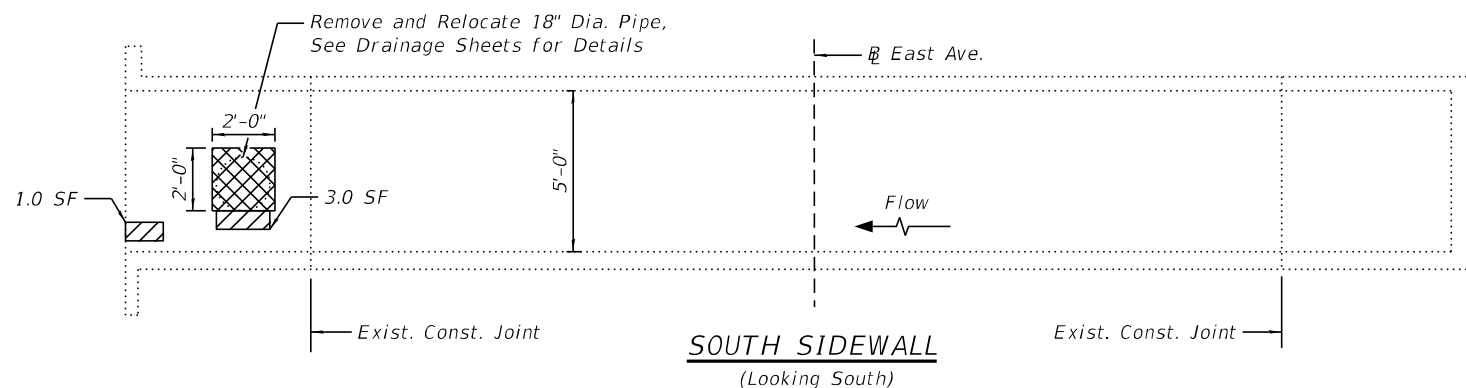
**TOP SLAB PLAN**  
(Looking at the ceiling)



**EAST END VIEW**  
(Looking West)



**NORTH SIDEWALL**  
(Looking North)



**SOUTH SIDEWALL**  
(Looking South)

**GENERAL NOTES**

1. Culvert repairs to be performed during low flow.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
4. The 2 year peak flow rate is 57.1 cfs.

**LEGEND**

- Structural Repair of Concrete (Depth Equal to or less than 5")
  - Concrete Structures
  - Epoxy Crack Injection
- SF = Square Feet

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A5	Sq. Yd.	22
Filter Fabric	Sq. Yd.	22
Concrete Structures	Cu. Yd.	0.1
Epoxy Crack Injection	Foot	3
Box Culverts to be Cleaned	Foot	129.3
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	10
Debris Removal	L. Sum	0.25

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PLOT SCALE =	DRAWN - SAT	REVISED -
PLOT DATE = 8/5/2021	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CULVERT REPAIR DETAILS**  
**STRUCTURE NO. 016-2158**

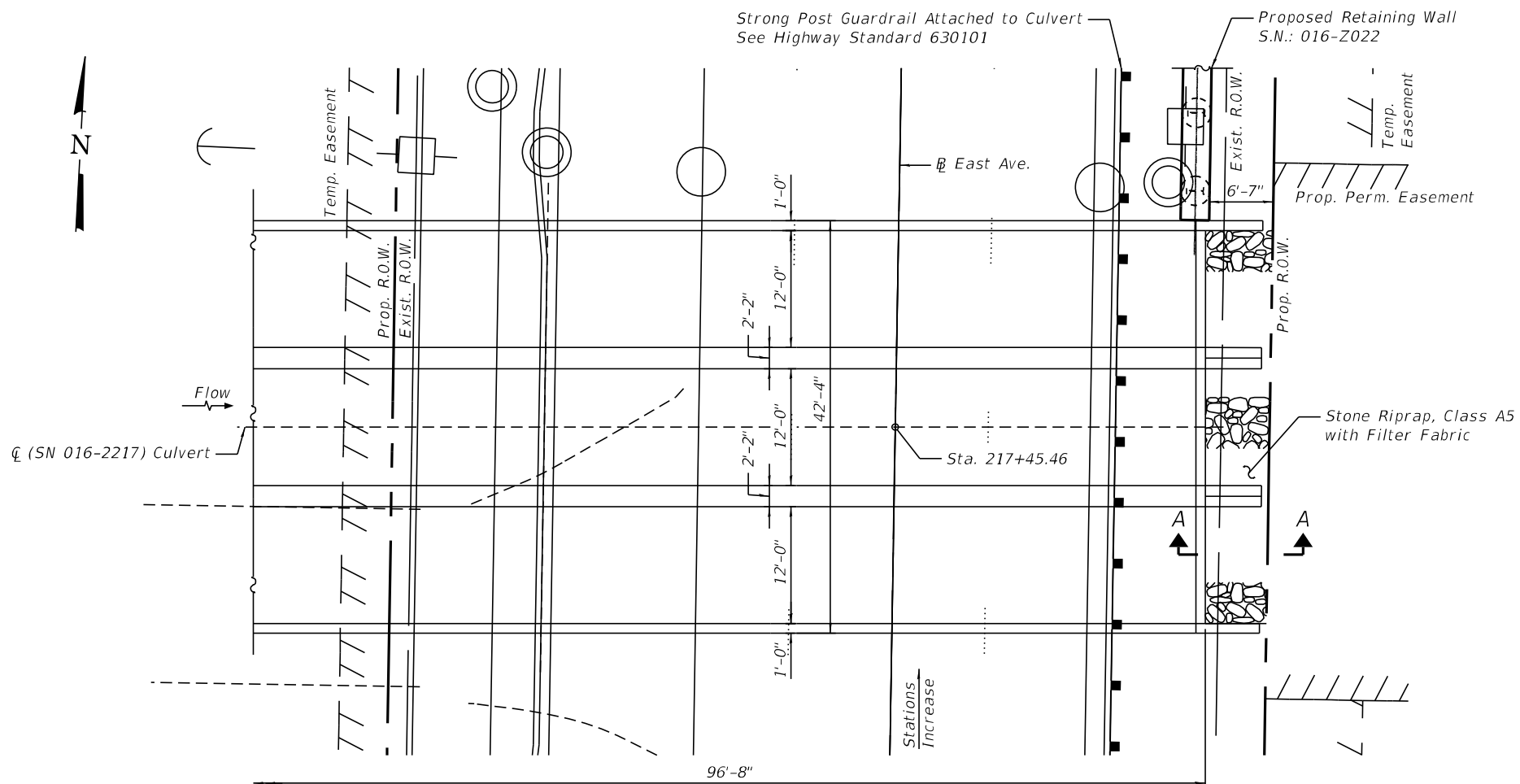
SHEET S-2 OF S-2 SHEETS

FA.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 334
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

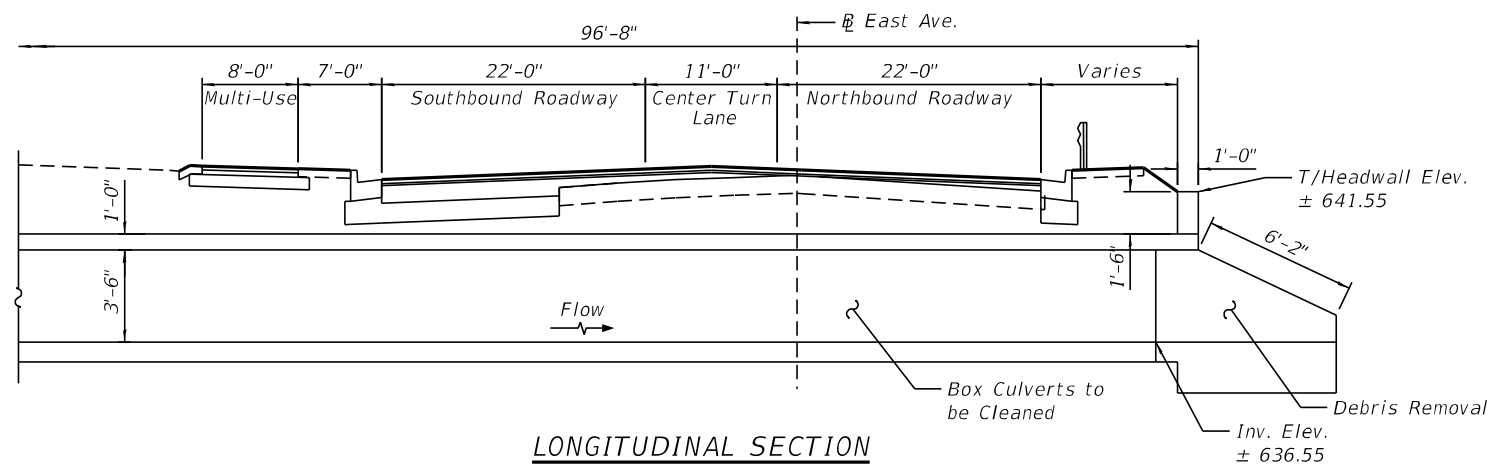
Benchmark: "X" Cut on bolt of hydrant on the west side of East Ave. at 5740 S. East Ave. approximately 100' north of W. 58th Street. Elev. 646.59

Existing Structure: Existing Structure 016-2217 is a cast-in place concrete triple cell Box Culvert 12'x3'-6" carrying East Ave. over north culvert outlet to East Ave. drainage ditch. The structure is located north of W. 58th St. The length of the culvert is approximately 96'-8". The upstream end of the box culvert is closed with a junction structure.

Traffic will be maintained utilizing staged construction during repairs.



**PLAN**



**LONGITUDINAL SECTION**

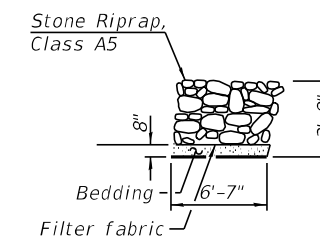
**INDEX OF SHEETS**

S-1. General Plan and Elevation

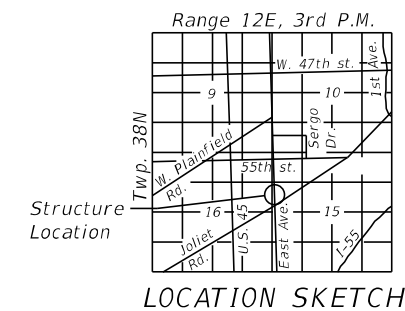
S-2. Culvert Repair Details

**SCOPE OF WORK**

1. Perform Structural Repair of Concrete and Epoxy Crack Injection.
2. Remove Debris at downstream end of the Culvert.
3. Clean Existing Box Culvert.
4. Place Riprap at downstream end.



**SECTION A-A**



**GENERAL PLAN AND ELEVATION  
EAST AVE. (F.A.U. 2719)  
OVER NORTH CULVERT OUTLET TO  
EAST AVE. DRAINAGE DITCH  
SECTION NO. 0102N&T  
COOK COUNTY  
STATION 217+45.46  
STRUCTURE NO. 016-2217**

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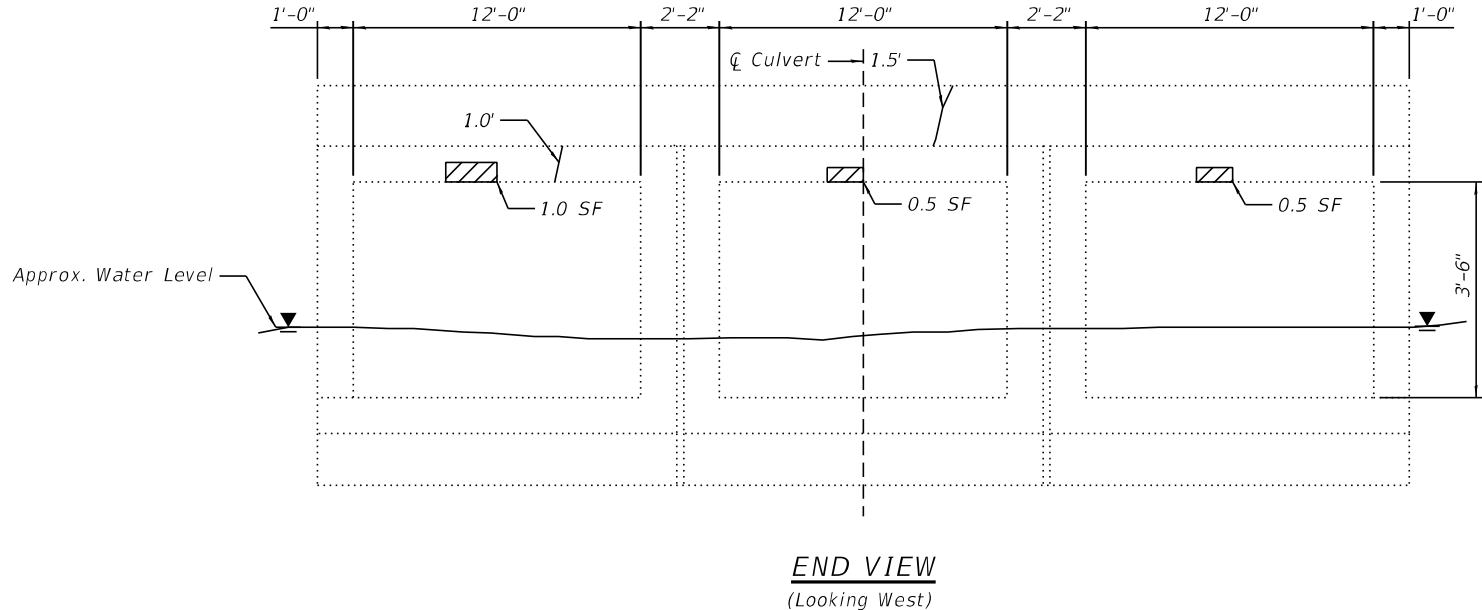
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SHEET S-1 OF S-2 SHEETS


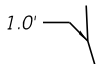
F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 335
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. Culvert repairs to be performed during low flow.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Areas shown for Concrete Repairs are estimated. The Engineer shall mark the areas in the field and show the actual areas on As-built plans.
4. The 2 year peak flow rate is 57.1 cfs.



**LEGEND**

-  Structural Repair of Concrete (Depth Equal to or less than 5")
-  1.0' Epoxy Crack Injection
- SF = Square Feet

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A5	Sq. Yd.	28
Filter Fabric	Sq. Yd.	28
Epoxy Crack Injection	Foot	3
Box Culverts to be Cleaned	Foot	296
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.	2.0
Debris Removal	L. Sum	0.25

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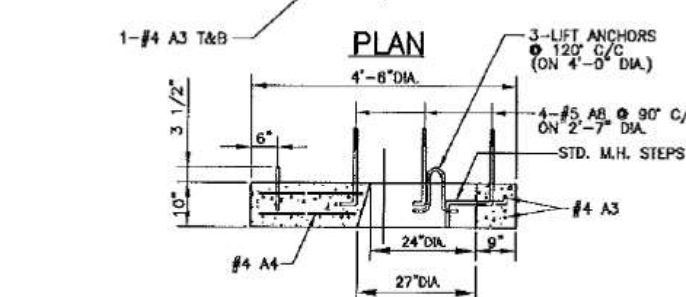
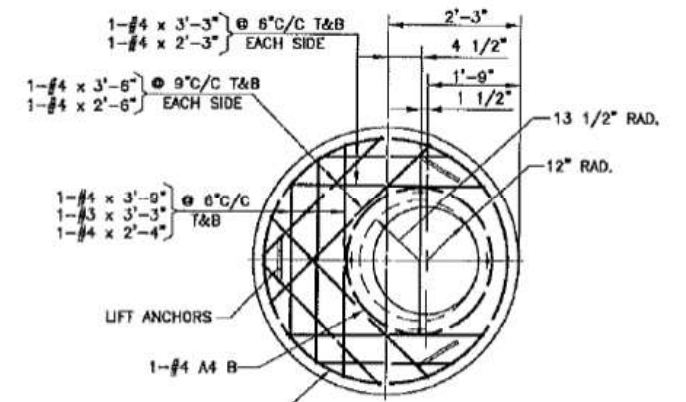
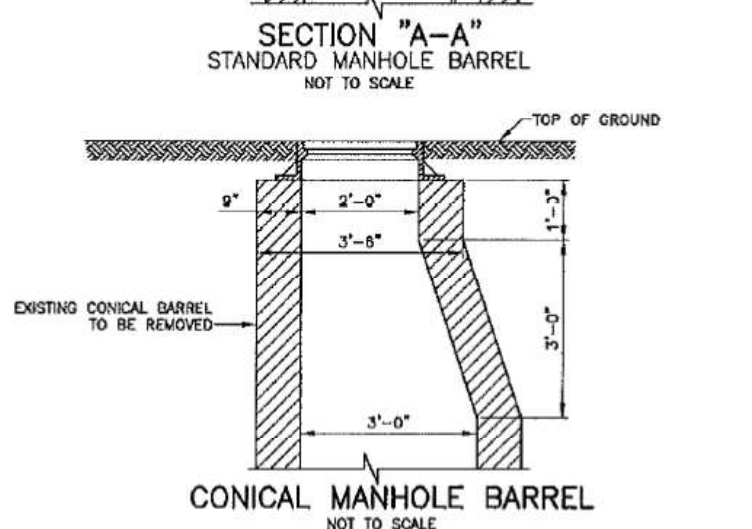
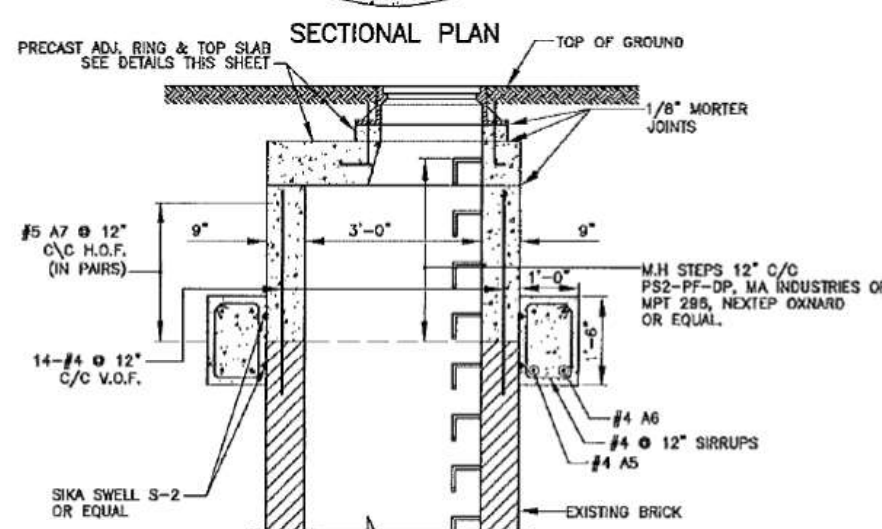
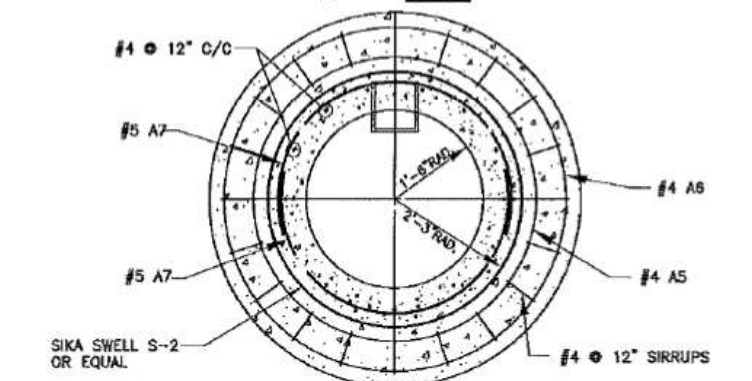
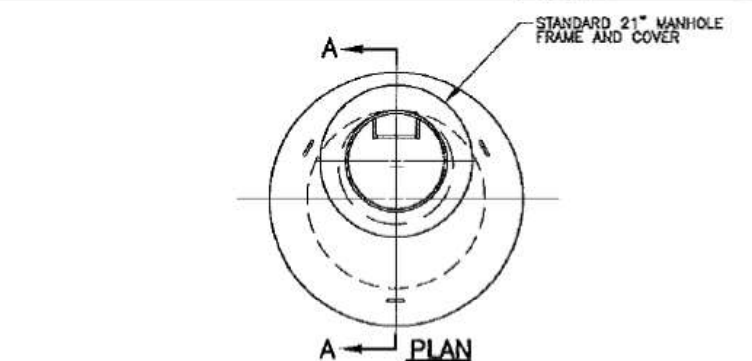
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PLOT DATE = 8/5/2021	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CULVERT REPAIR DETAILS  
STRUCTURE NO. 016-2217**

SHEET S-2 OF S-2 SHEETS

FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	336
CONTRACT NO. 62C25				
		ILLINOIS	FED. AID PROJECT	



RE-BAR BENDING DETAILS						
MARK	SIZE	LENGTH	TYPE	A	B	R
A1	#2	7'-6"	②	-	-	13 1/2"
A2	#2	9'-6"	②	-	-	17"
A3	#4	13'-3"	②	-	-	24"
A4	#4	9'-3"	②	-	-	16 1/2"
A5	#4	16'-3"	②	-	-	30"
A6	#4	19'-4"	②	-	-	36"
A7	#5	7'-10"	③	7'-10"	-	24"
A8	#5	2'-0"	①	6"	1'-6"	-

**NOTE:**

9" THICK PRECAST CONCRETE RINGS WITH CAST IN PLACE RUNGS MAY BE USED IN PLACE OF CAST IN PLACE CONCRETE WHEN EXTENDING THE HEIGHT OF THE MANHOLE BARREL. ALL EXTENSION SHALL BE IN ONE PIECE AND IN INCREMENTS OF 12".

ALL JOINTS SHALL BE CLEANED, SQUARED AND GROUTED IN A MANNER TO PRECLUDE POSSIBILITY OF LEAKS AT JOINT.

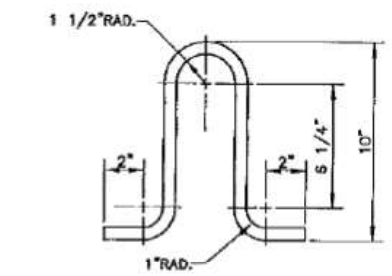
THE PRECAST TOP SLAB SHALL BE REMOVED AND REPLACED AS REQUIRED.

ALL ELEMENTS OF THE MANHOLE DISTURBED OR DAMAGED DURING ALTERATION SHALL BE CORRECTED OR REPLACED TO MEET THE STANDARD HEREIN SHOWN AND SPECIFIED.

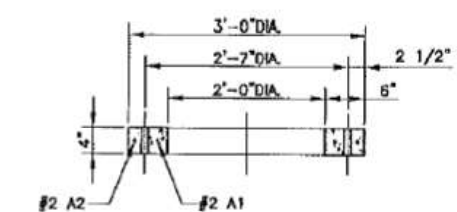
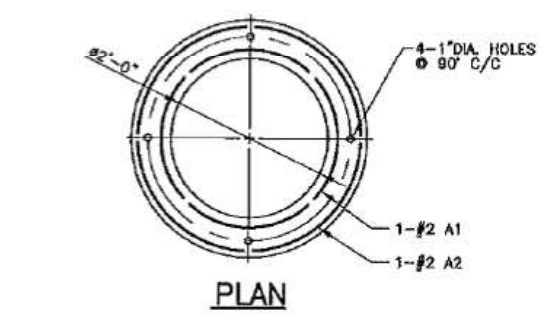
ALL CONCRETE SHALL BE CLASS "RA".

ALL GROUT SHALL BE 1 PART CEMENT TO 3 PARTS SAND WITH MINIMUM WATER TO ACHIEVE A STIFF PLASTIC CONSISTANCY WITH ZERO SLUMP.

ALL WORKMANSHIP AND MATERIALS NOT SPECIFIED SHALL BE AS PER STANDARD PREPRINTED MWRDGC SPECIFICATIONS TITLED:  
 GENERAL SPECIFICATIONS - CONSTRUCTION CONTRACTS  
 GENERAL SPECIFICATIONS - SEWERS  
 GENERAL SPECIFICATIONS - CONCRETE



**LIFT ANCHOR DETAIL**  
 NOT TO SCALE  
**MATERIAL:**  
 5/8" DIA. x 2'-3"A-36 STEEL  
 ROD GALVANIZED AFTER FABRICATION



**SECTION PRECAST ADJUSTMENT RING DETAIL**  
 NOT TO SCALE

**PROCEDURE:**

- TO RAISE ELEVATION 0" TO 6" MAX., ADD 4" THICK ADJUSTMENT RINGS AS DETAILED. INCREMENTS OF LESS THAN 4" SHALL BE OBTAINED BY HAND PACKING A DRY CEMENT GROUT OVER 100% OF THE BEARING AREA.
- TO RAISE ELEVATION OVER 6" AND LESS THAN 12", REMOVE THE 4" ADJUSTMENT RING AND EXTEND THE 9" THICK MANHOLE BARREL 12" WITH CAST IN PLACE CONCRETE REINFORCED AS DETAILED AND WITH LADDER RUNG AS DETAILED. TOP OF EXISTING CONCRETE TO BE CLEANED AND ROUGHENED AND NEW CONCRETE PLACED IN A MANNER TO INSURE BONDING AND NO LEAKAGE. FOR INCREMENTS BETWEEN 6" AND 12" PLACE GROUT FILLER AS IN (A) ABOVE.

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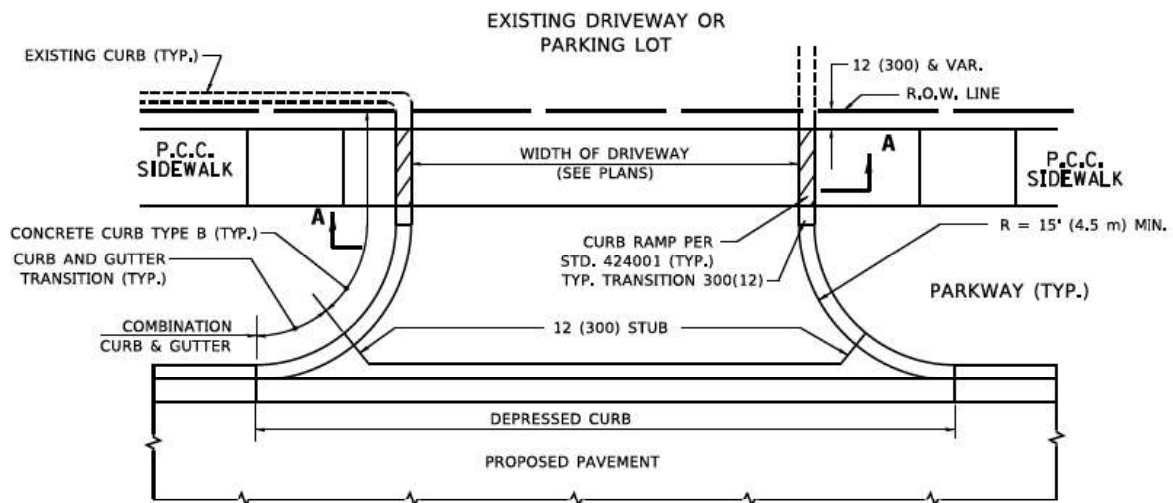
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MWRD MANHOLE ADJUSTMENT DETAILS**  
**EAST AVENUE (55TH ST TO JOLIET RD)**

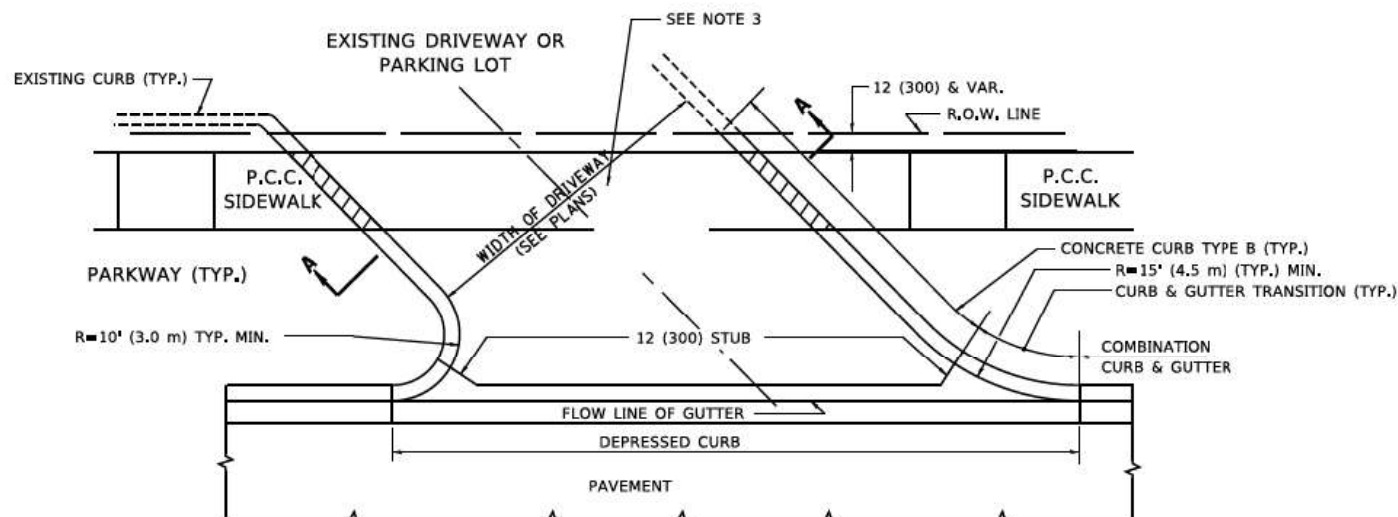
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CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

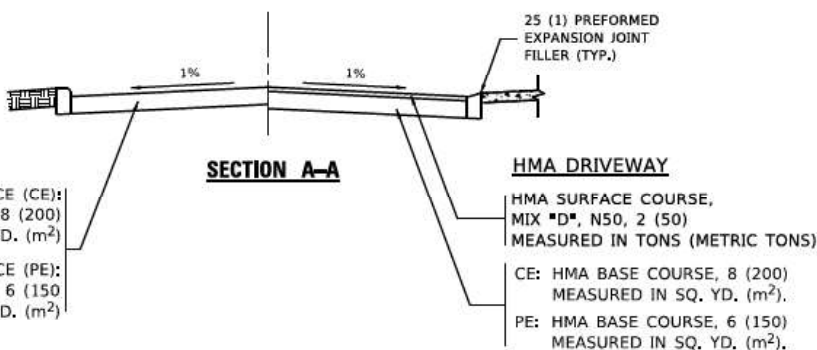
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**WITH CONCRETE CURB, TYPE B**

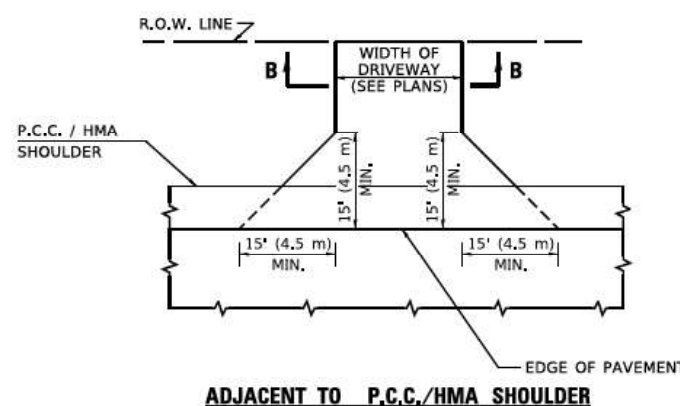


**WITH CONCRETE CURB, TYPE B**

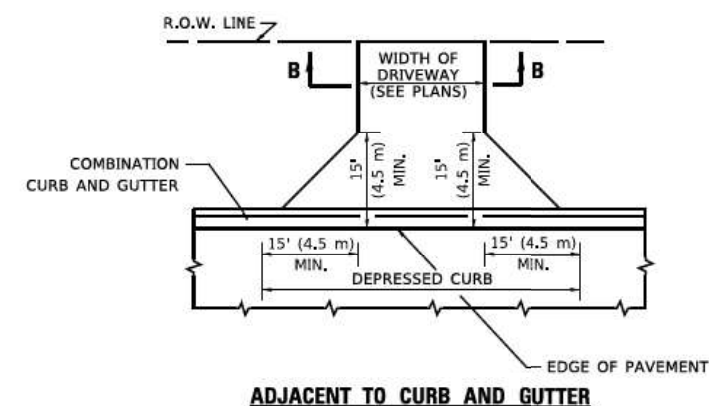


**RIGID DRIVEWAY**  
 COMMERCIAL ENTRANCE (CE):  
 P.C.C. DRIVEWAY PAVEMENT 8 (200)  
 MEASURED IN SQ. YD. (m²)  
 NON-COMMERCIAL ENTRANCE (PE):  
 P.C.C. DRIVEWAY PAVEMENT 6 (150)  
 MEASURED IN SQ. YD. (m²)

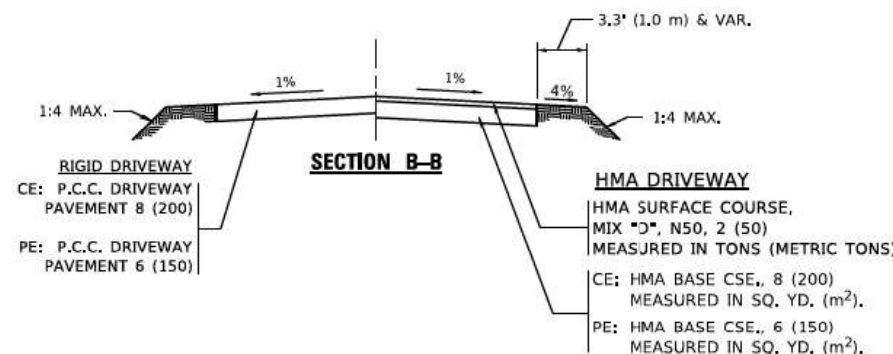
**HMA DRIVEWAY**  
 HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m²).  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m²).



**ADJACENT TO P.C.C./HMA SHOULDER**



**ADJACENT TO CURB AND GUTTER**



**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

**RURAL FIELD ENTRANCE (FE)**

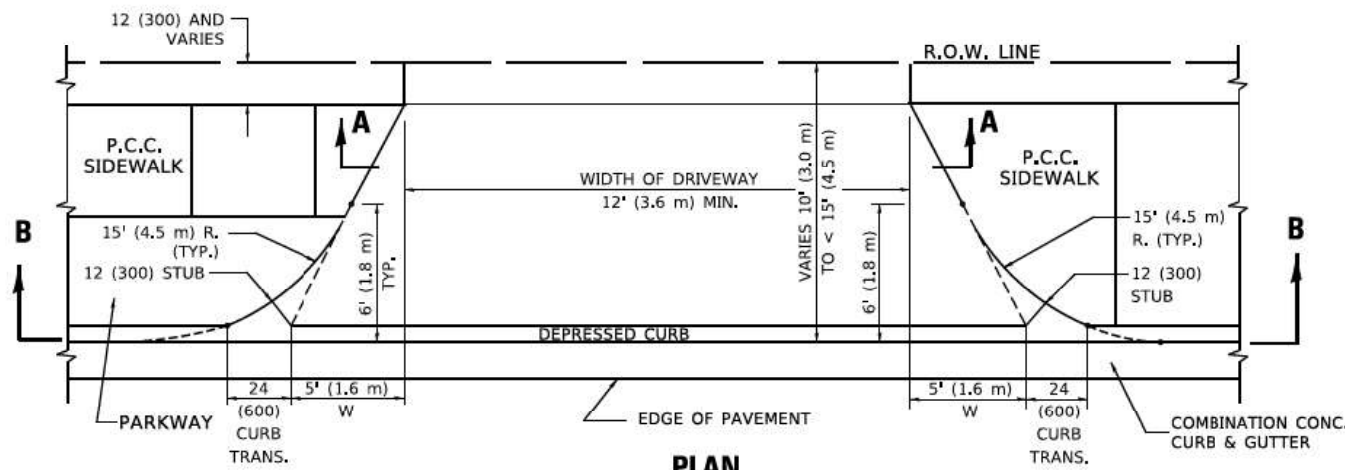
HMA SURFACE COURSE,  
 MIX "D", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m²).  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m²).  
 AGGREGATE BASE CSE., TYPE B, 8 (200)  
 MEASURED IN SQ. YD. (m²).

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	DRAWN -	REVISED - R. BORO 01-01-07
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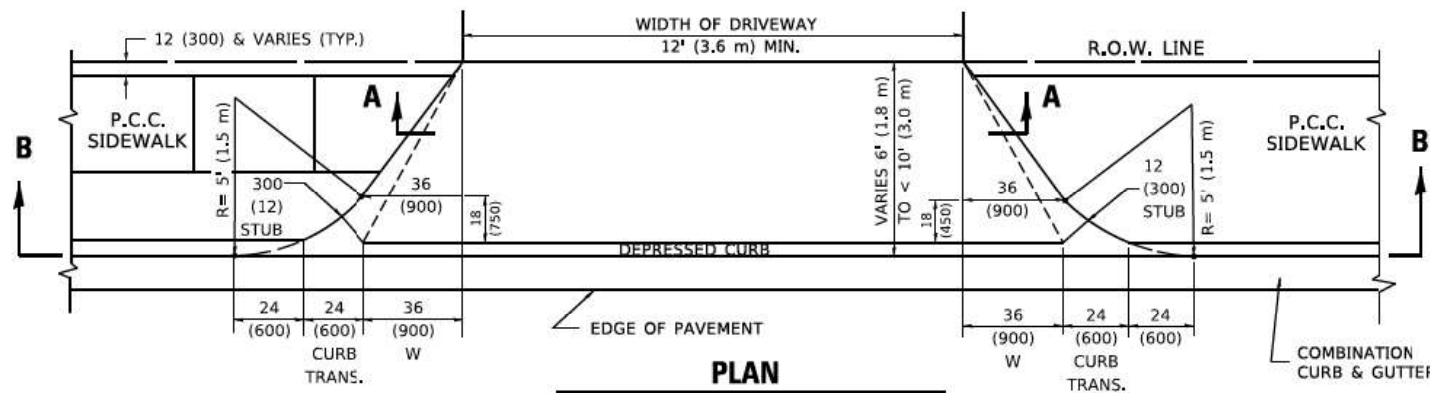
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER ≥ 15'(4.5m)</b>			
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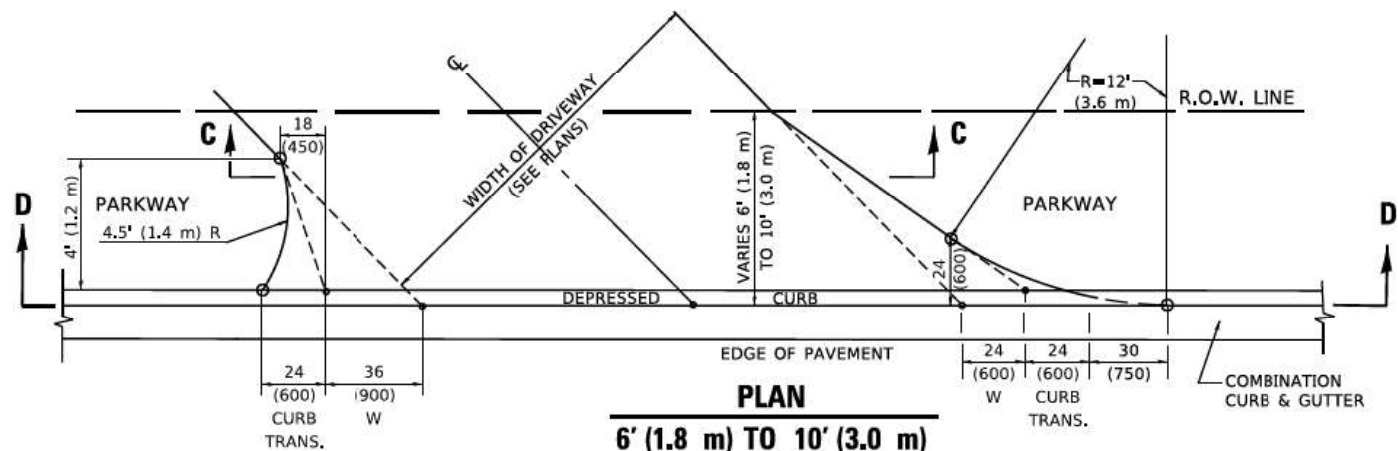
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<b>BD400-01 (BD-01)</b>		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				



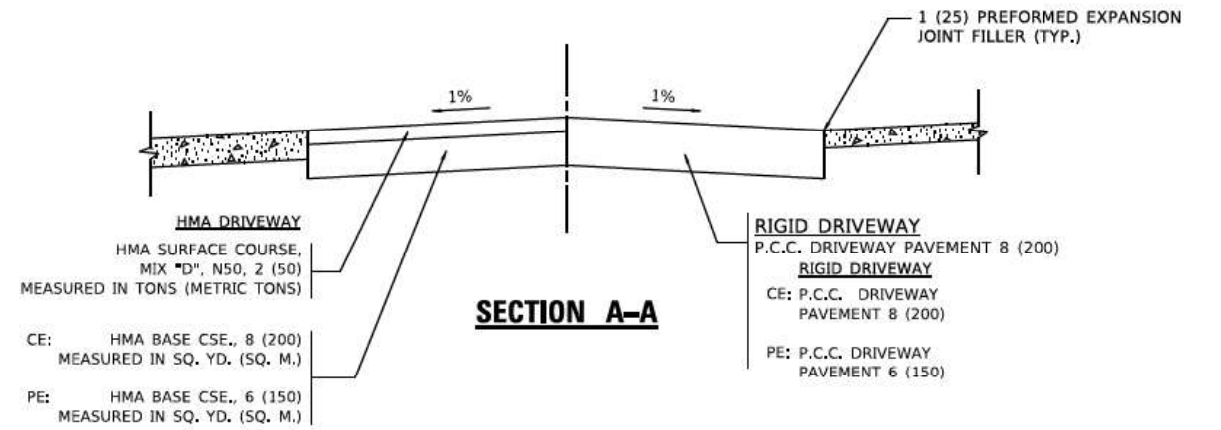
**PLAN**  
10' (3.0 m) TO < 15' (4.5 m)



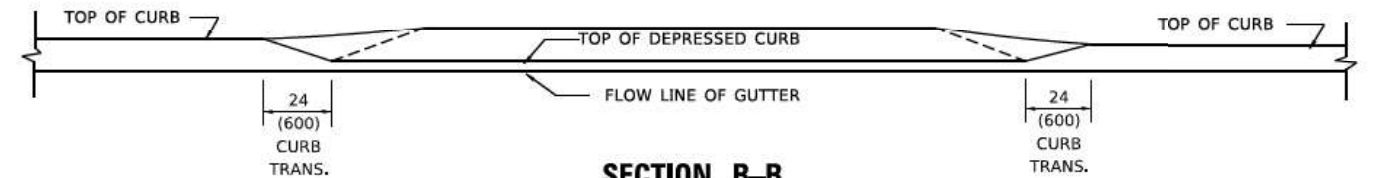
**PLAN**  
6' (1.8 m) TO < 10' (3.0 m)



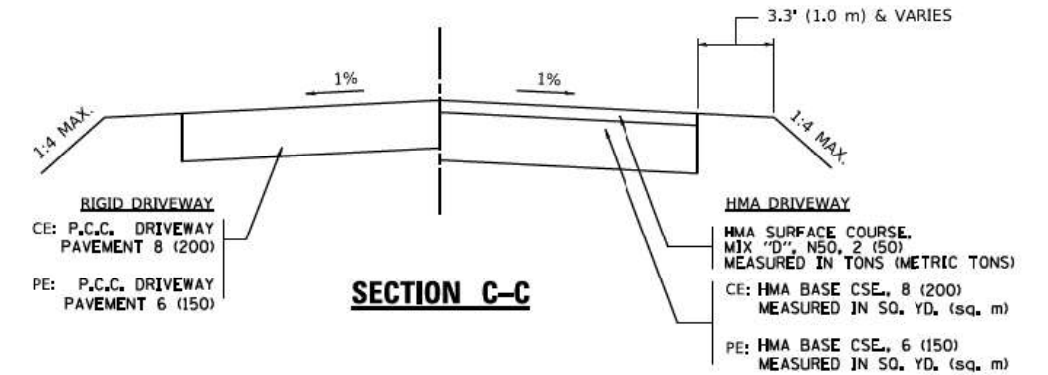
**PLAN**  
6' (1.8 m) TO 10' (3.0 m)



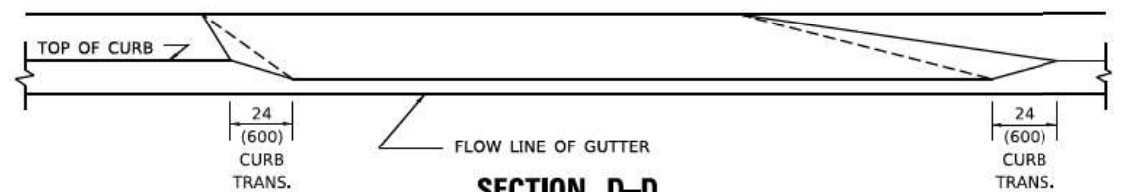
**SECTION A-A**



**SECTION B-B**



**SECTION C-C**



**SECTION D-D**

**GENERAL NOTES**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

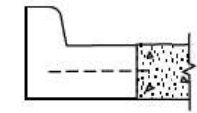
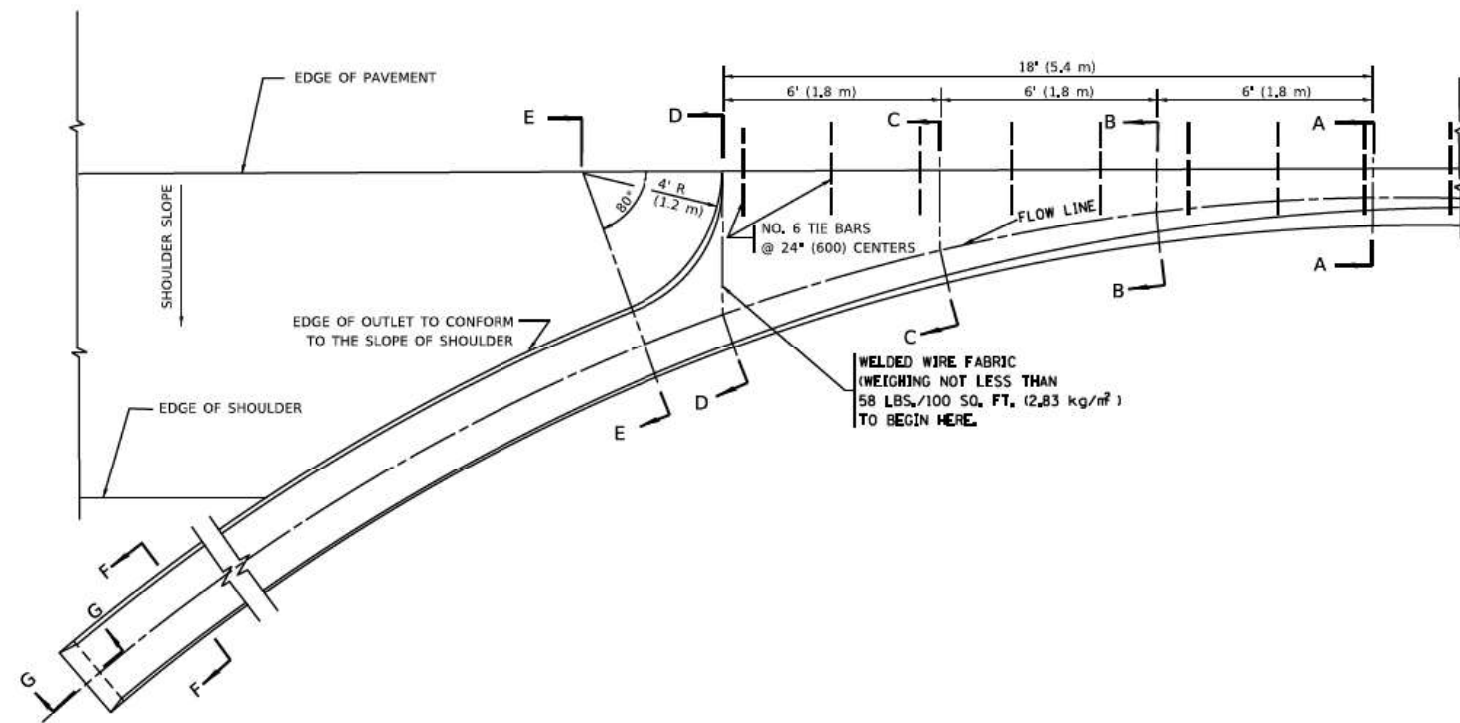
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PLOT DATE = 3/27/2019	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

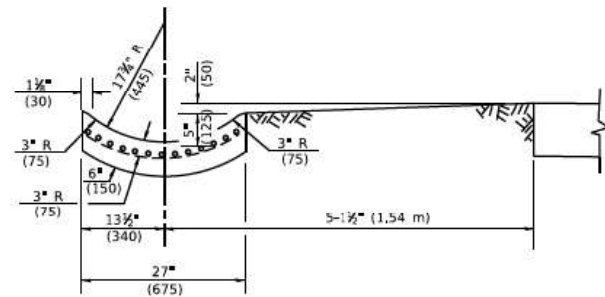
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-02 (BD-02)			CONTRACT NO.	62C25
ILLINOIS FED. AID PROJECT				

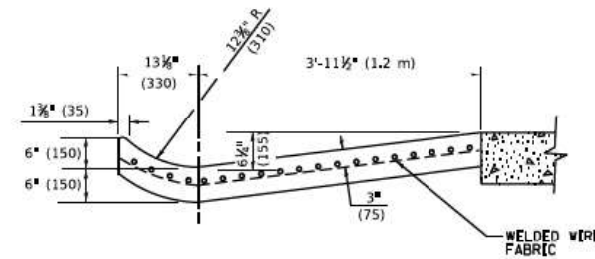


**SECTION A-A \***

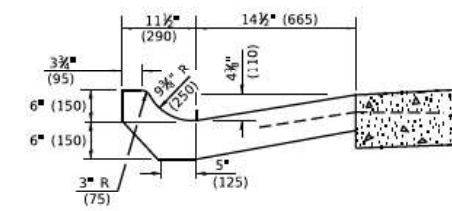
\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



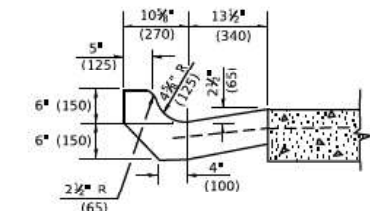
**SECTION E-E**



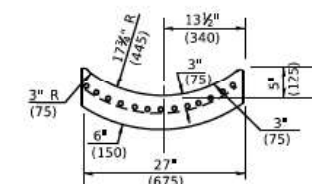
**SECTION D-D**



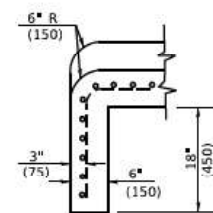
**SECTION C-C**



**SECTION B-B**



**SECTION F-F**



**SECTION G-G**

**GENERAL NOTES**

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001. TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

**QUANTITIES**

**FOR SECTION A-A TO E-E AND CURTAIN WALL=**  
 1.25 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 9\"/>

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

FILE NAME = Q:\Engineer\mg\l\ref\Project\13831\DOT East Ave\DAWD\CADD\_Sheeta\Cvt\1\0162025-Ht-Dwt\_Std.dgn

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	DRAWN - R. SHAH 10-25-94	REVISED - E. GOMEZ 12-21-00
PLOT SCALE = 50,0000 * / ft.	CHECKED -	REVISED -
PLOT DATE = 3/27/2019	DATE = 08-04-86	REVISED -

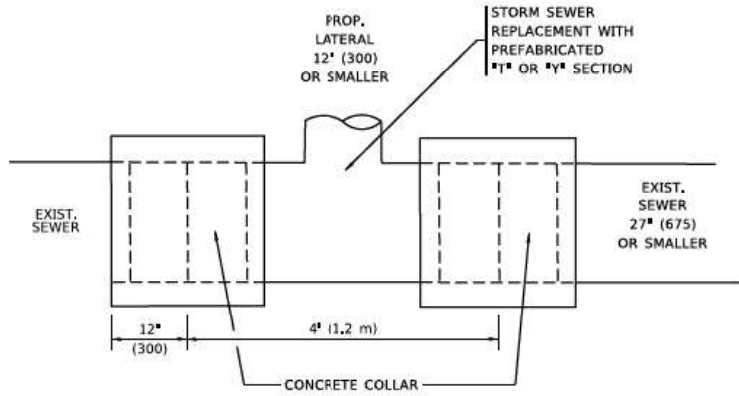
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE  
CURB AND GUTTER**

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

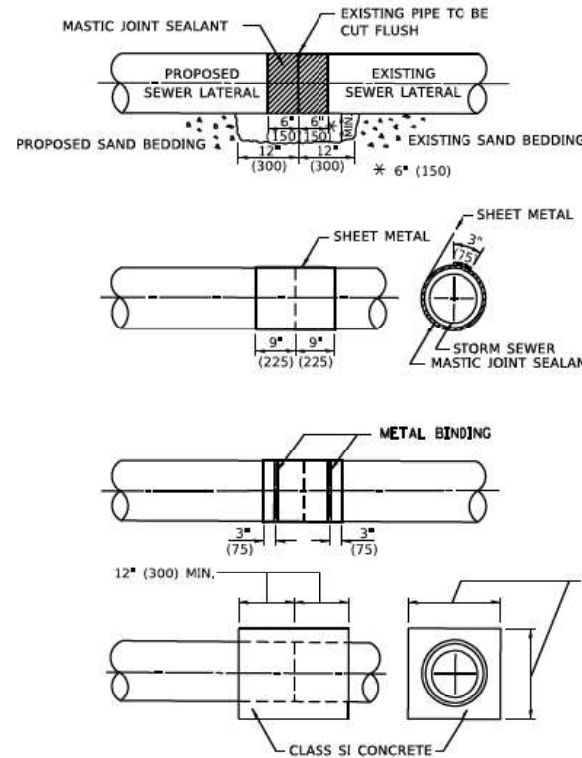
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2719	0102N&T	COOK	426	340
BD600-01 (BD-03)		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				





**DETAIL "A"**

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



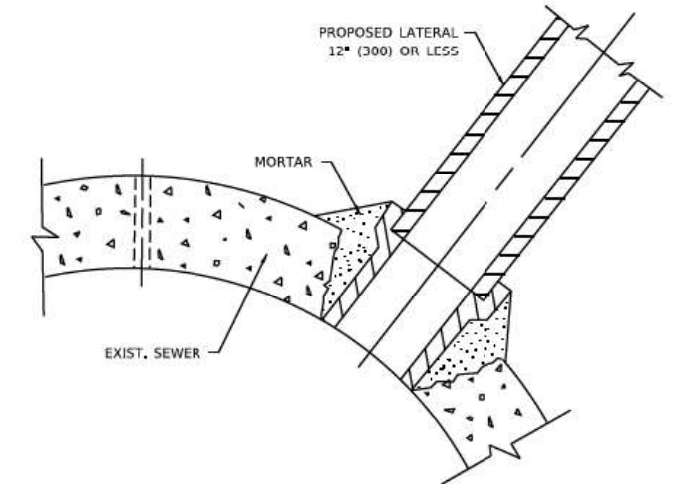
**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

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

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



**DETAIL "C"**

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

**NOTES:**

**MATERIAL**

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

**CONSTRUCTION METHODS**

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

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

**GENERAL**

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED, THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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PLOT SCALE = 50,0000 * / ft.	CHECKED -	REVISED - R. SHAH 10-25-94
PLOT DATE = 3/27/2019	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

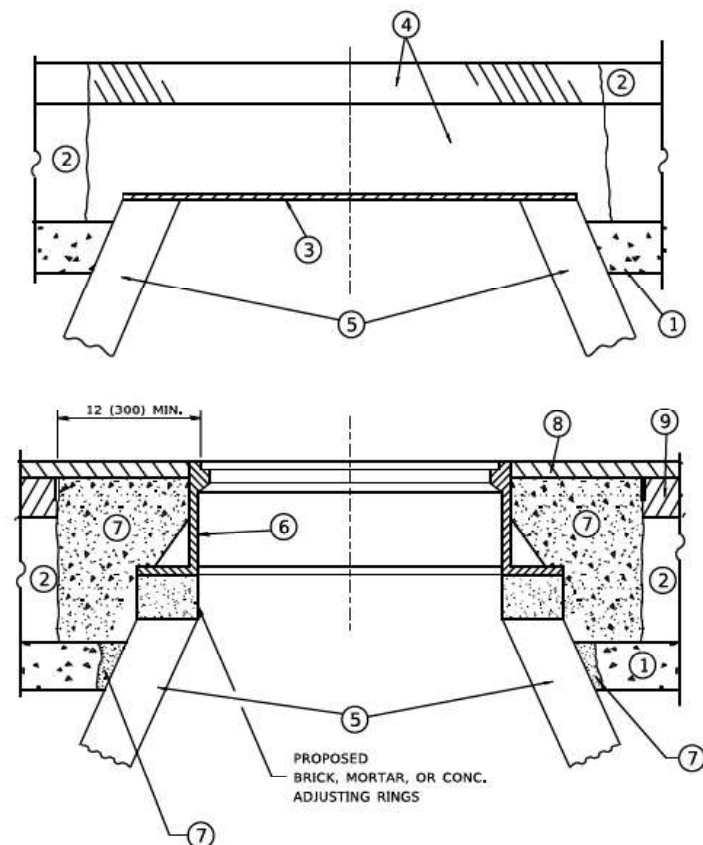
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER

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

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY CDGK	TOTAL SHEETS 426	SHEET NO. 341
BD500-01 (BD-7)		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				

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**CONSTRUCTION PROCEDURES**

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
  - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
  - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
  - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
  - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
  - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 \* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- \* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR \*FRAMES AND LIDS TO BE ADJUSTED (SPECIAL).\*

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

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

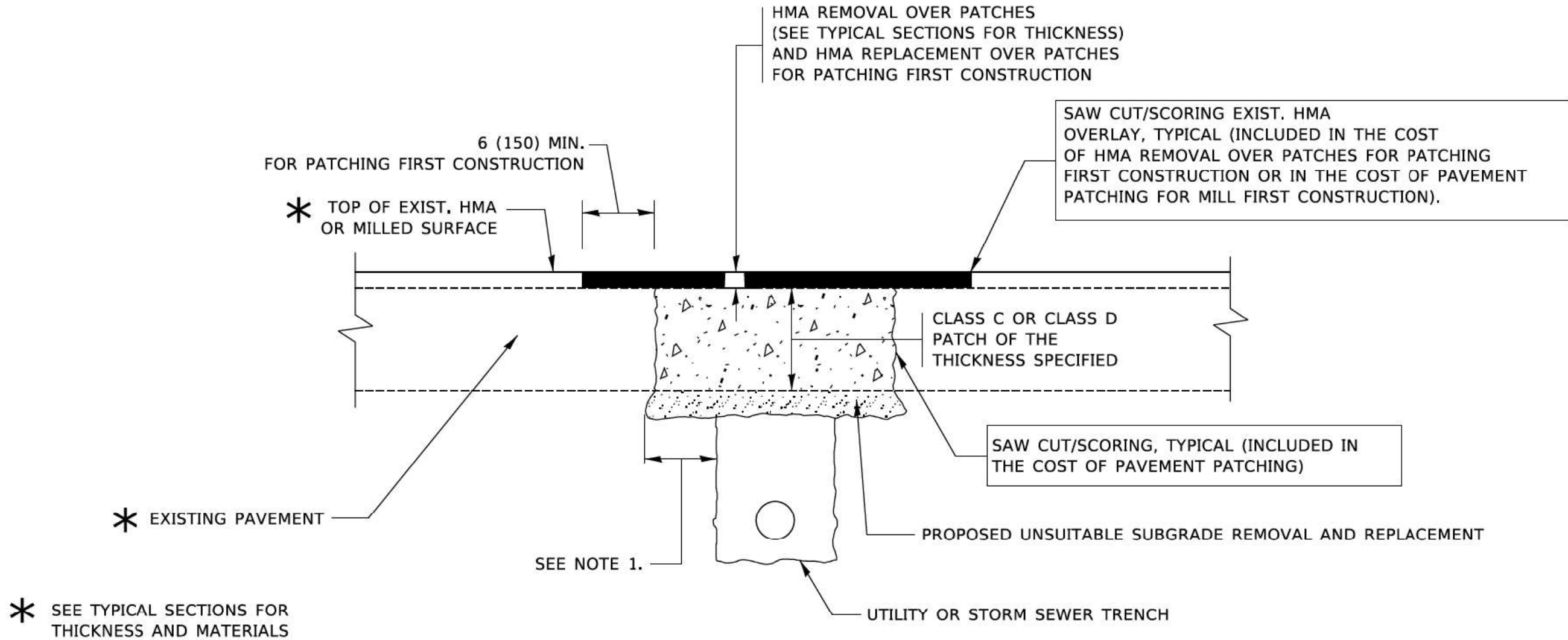
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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PLOT SCALE = 50,0000 * / ft.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	342
BD600-03 (BD-8)		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				



\* 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 4½ 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.

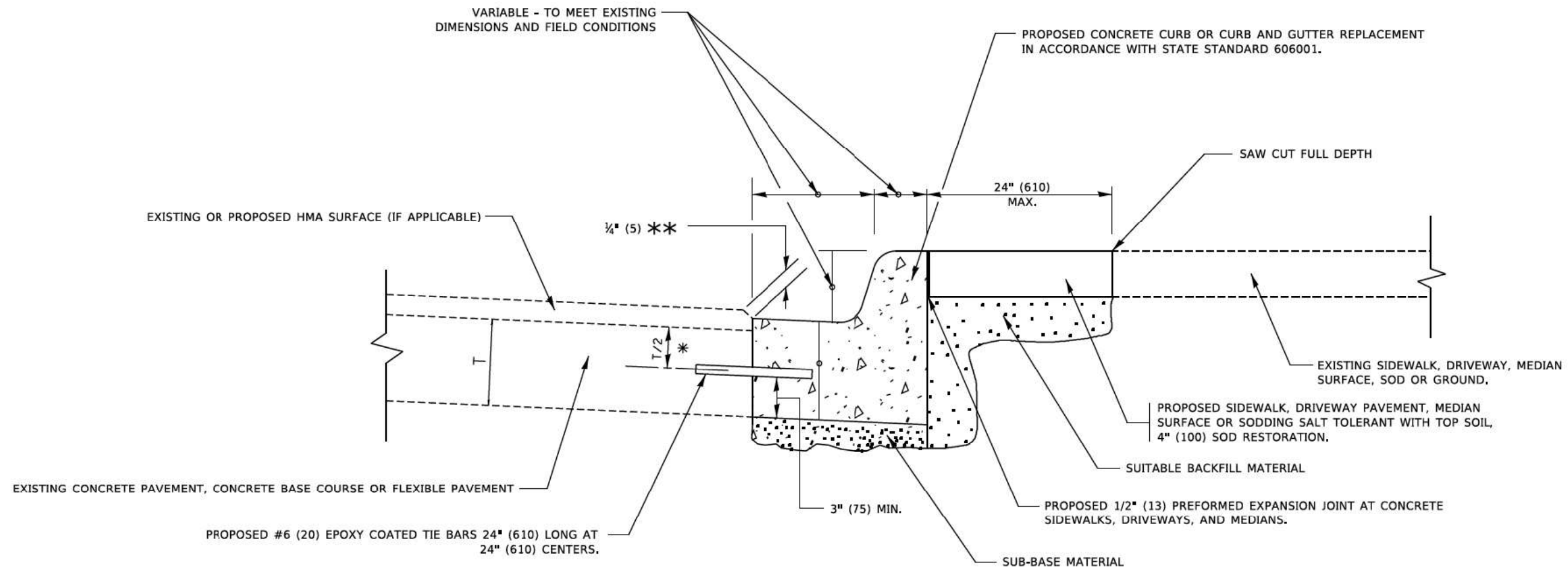
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PLOT SCALE	= 50,0000 * / ft.	CHECKED	=	REVISED	= R. BORO 09-04-07
PLOT DATE	= 3/27/2019	DATE	= 10-25-94	REVISED	= K. ENG 10-27-08

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			
SCALE: NONE	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	343
BD400-04 (BD-22)		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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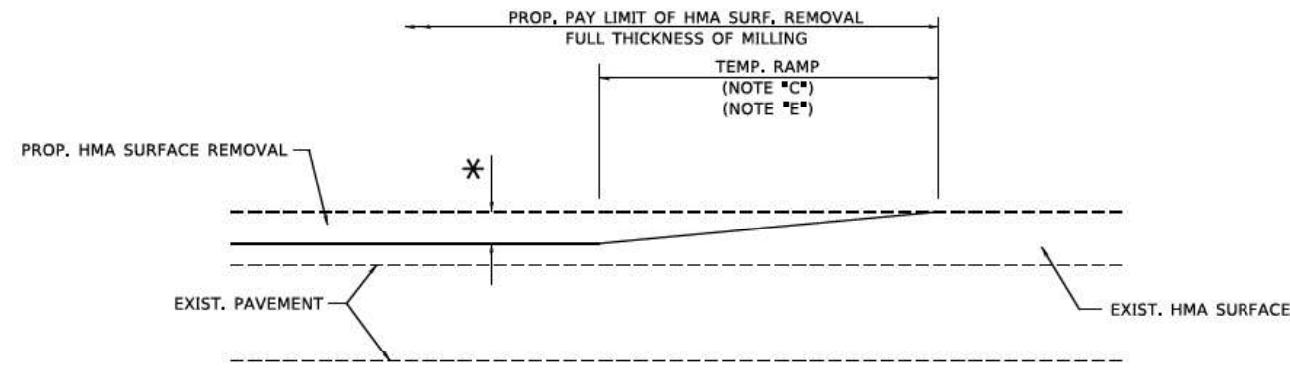
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PLOT DATE - 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

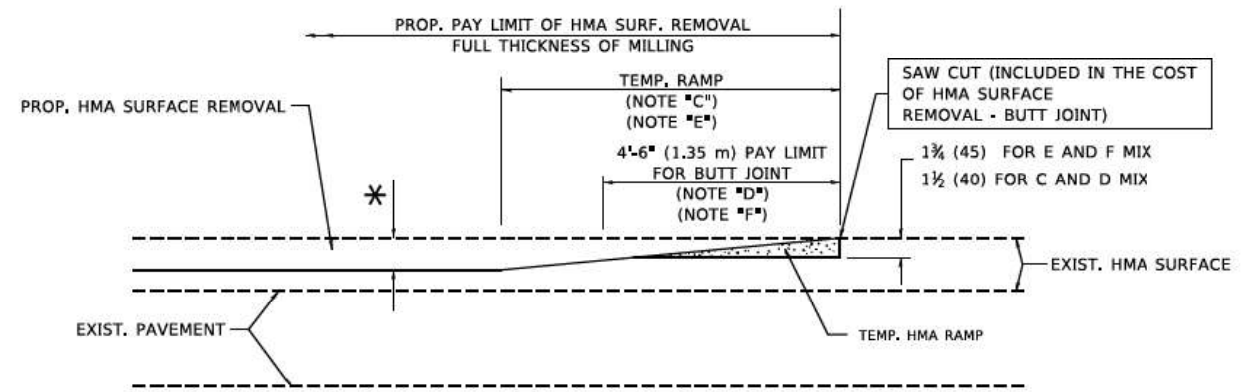
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-06 (BD-24)		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				



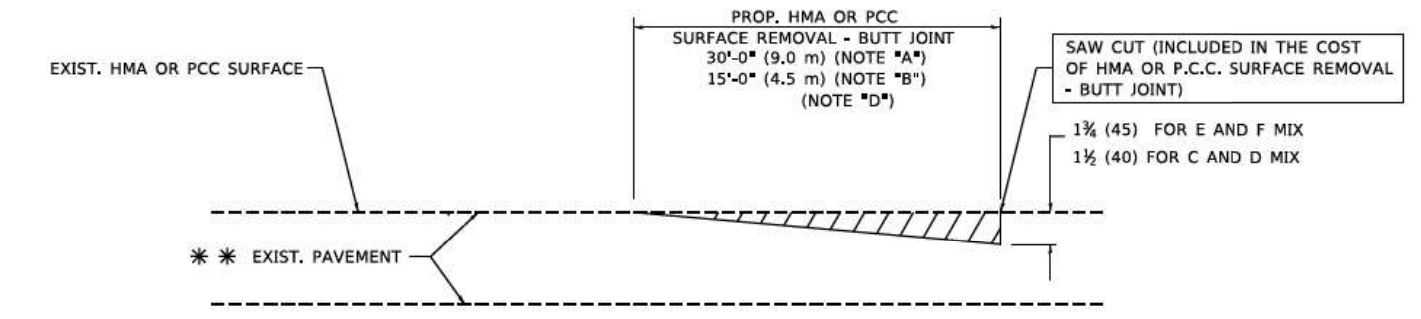
**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

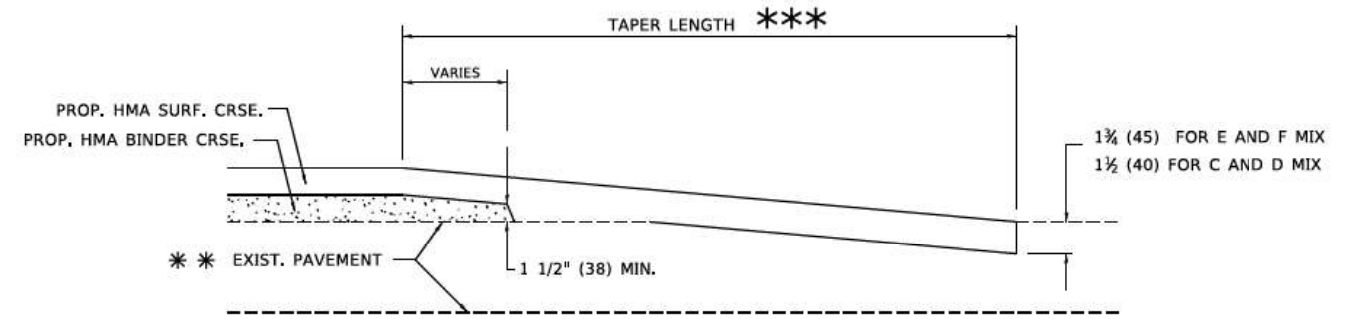


**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

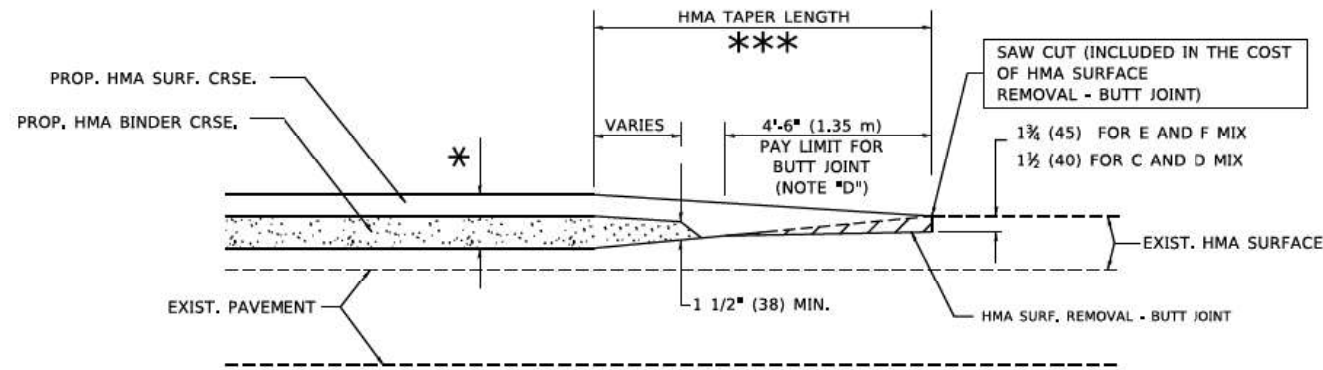
**NOTES**

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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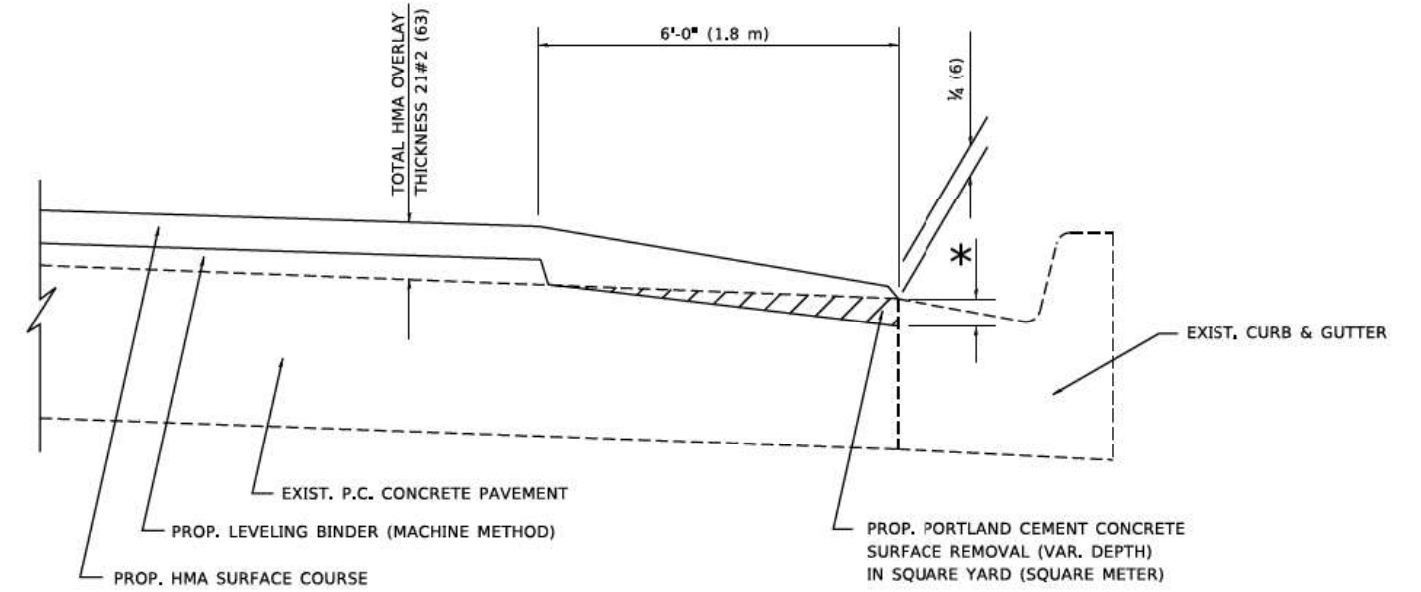
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PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	345
BD400-05 BD32		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				



**HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT**

HMA SURFACE	THICKNESS	LEVELING BINDER THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)	1 1/4 (33)
E	1 3/4 (44)	3/4 (19)	1 1/2 (38)

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

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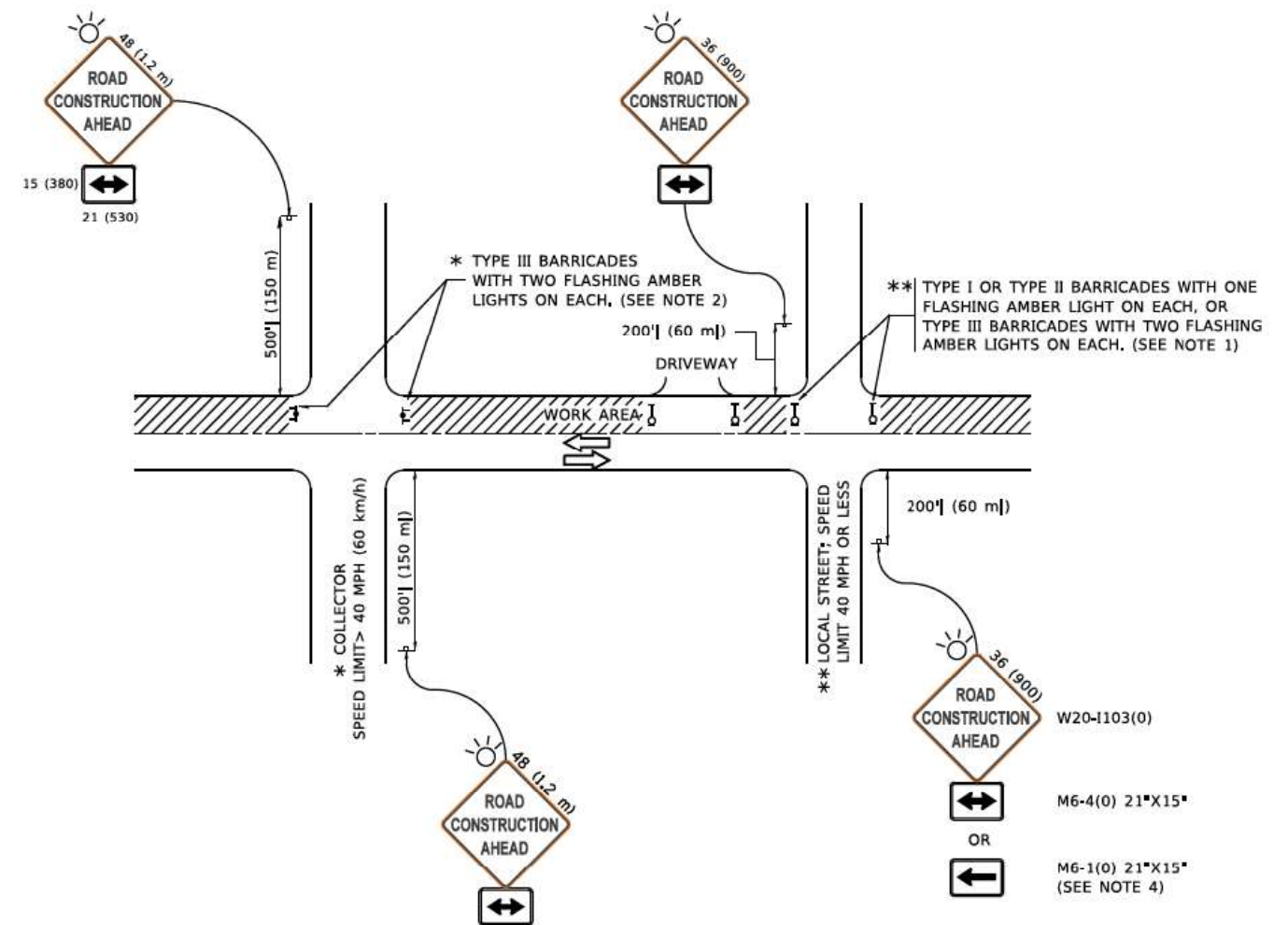
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	DRAWN - JIS	REVISED - E. GOMEZ 12-21-00
PLOT SCALE - 50,0000 * / ft.	CHECKED - A. ABBAS	REVISED - R. BORO 01-01-07
PLOT DATE - 3/27/2019	DATE - 09-10-94	REVISED - JP CHANG 07-08-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>HMA TAPER AT EDGE OF P.C.C. PAVEMENT</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	346
BD400-06 (BD33)		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				

FILE NAME = I:\Engineer\mg\l\ref\Project\13831\DOT East Ave\CAAD\CADD\Sheets\Civil\0162025\ht-Det\_Side.dgn



**NOTES:**

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

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

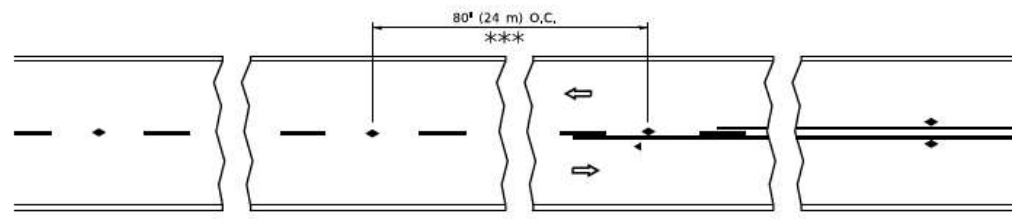
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■ 50,0000 * / ft.	-	- A. SCHUETZE 07-01-13
PLOT DATE	DATE	REVISED
■ 3/4/2019	- 06-89	- A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

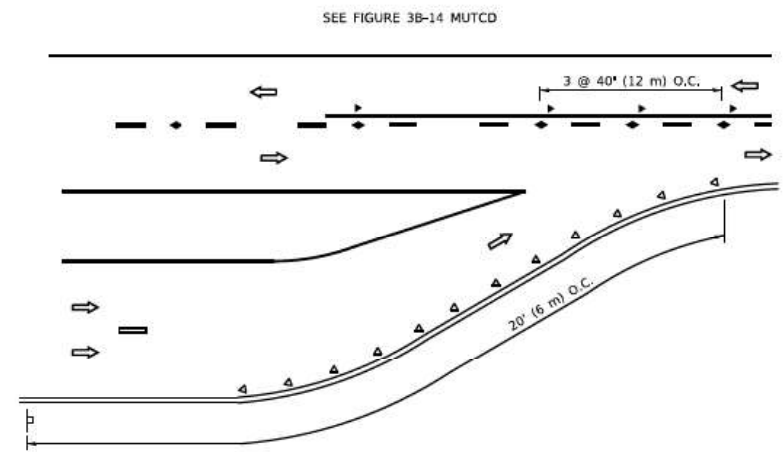
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ILLINOIS FED. AID PROJECT				

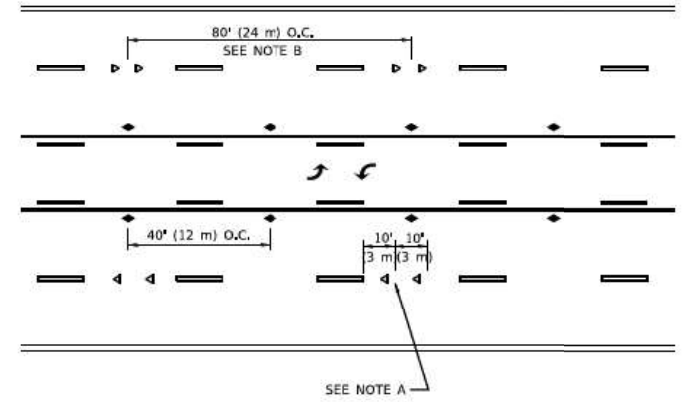


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

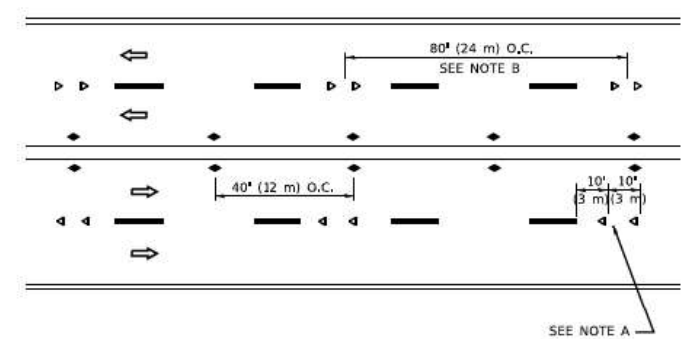
**TWO-LANE/TWO-WAY**



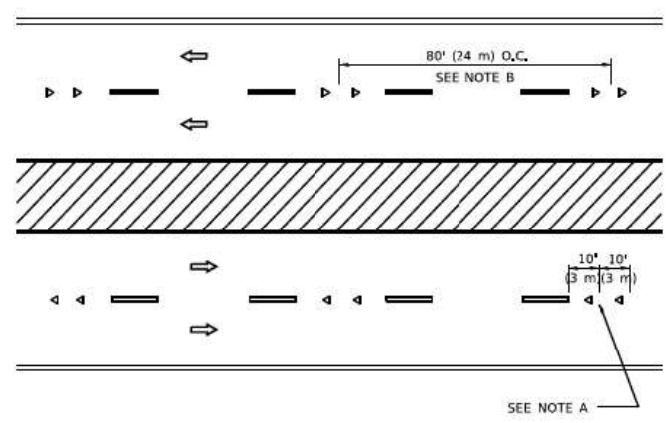
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES.

**SYMBOLS**

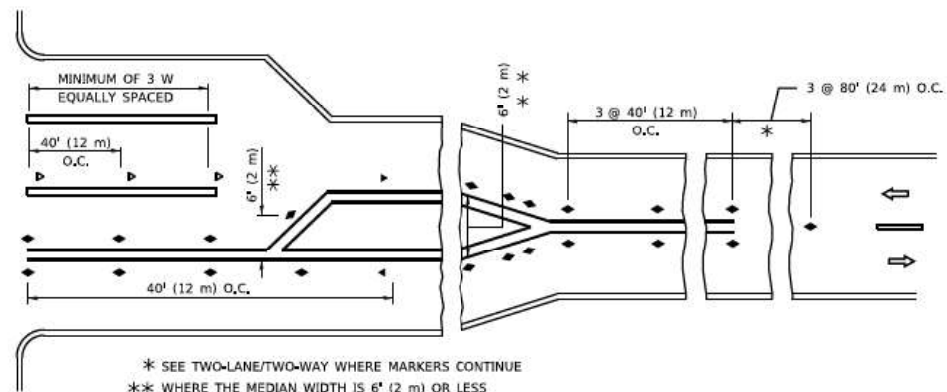
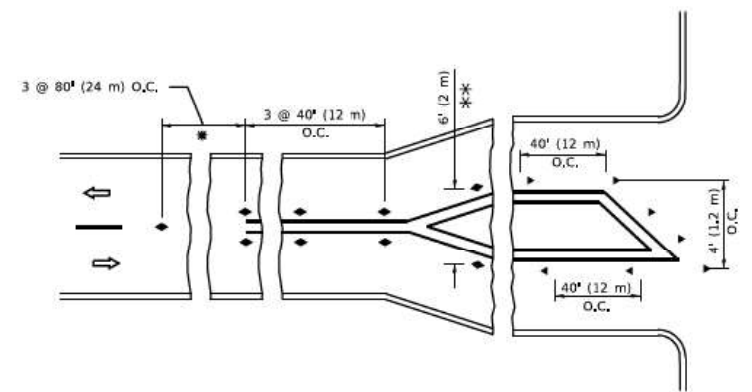
- YELLOW STRIPE
- WHITE STRIPE
- ◄ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



**TURN LANES**

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

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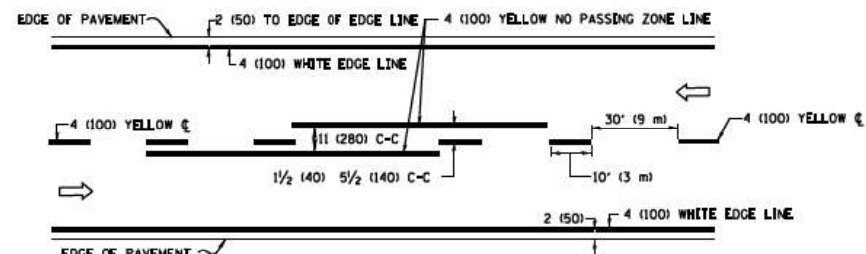
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

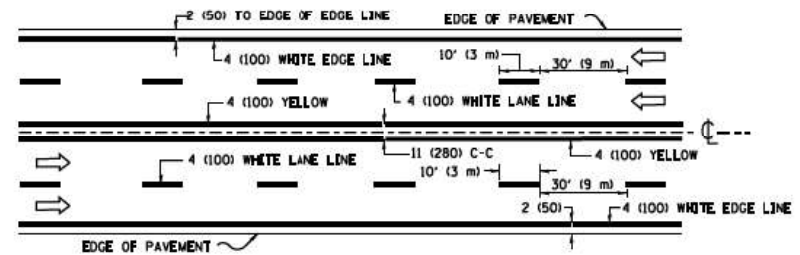
TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11			CONTRACT NO.	62C25
ILLINOIS FED. AID PROJECT				

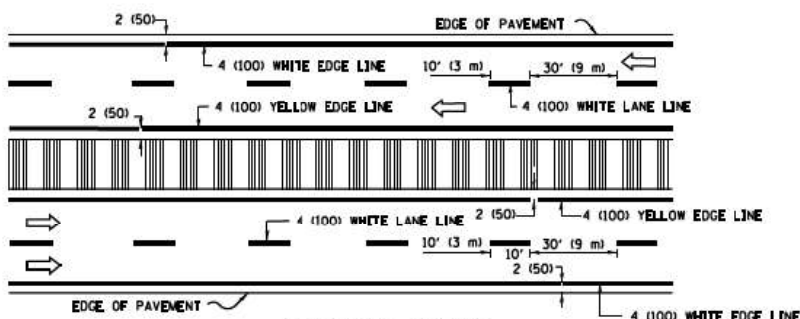




**2-LANE ROADWAY**

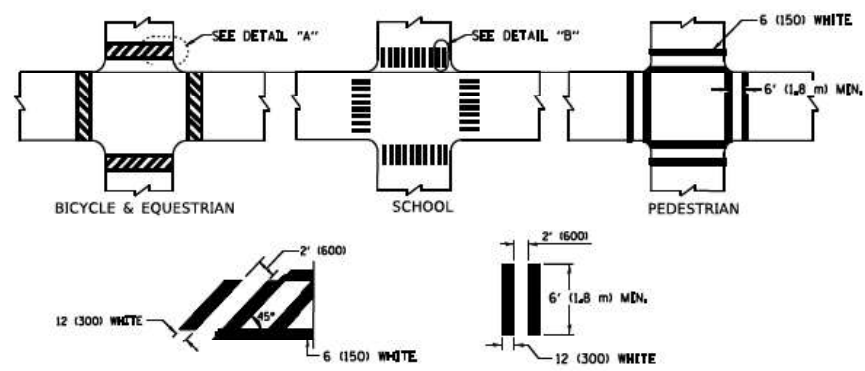


**MULTI-LANE UNDIVIDED**



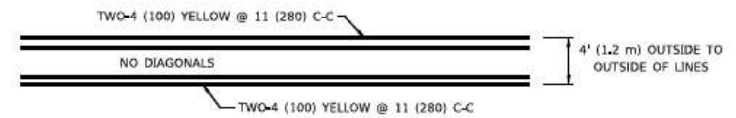
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

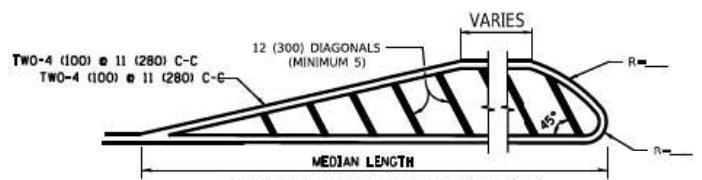


**TYPICAL CROSSWALK MARKING**

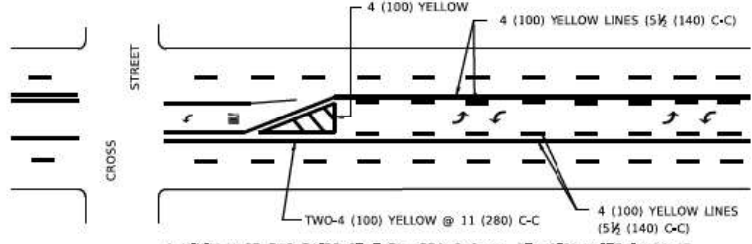
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



**4' (1.2 m) WIDE MEDIANS ONLY**

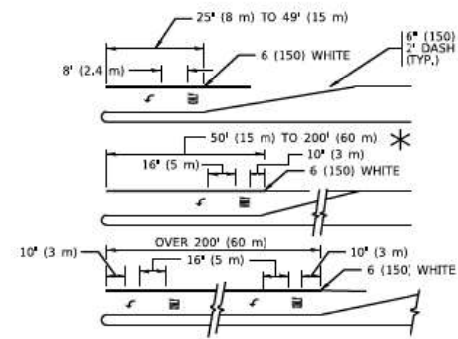


**MEDIANS OVER 4' (1.2 m) WIDE**



**TYPICAL PAINTED MEDIAN MARKING**

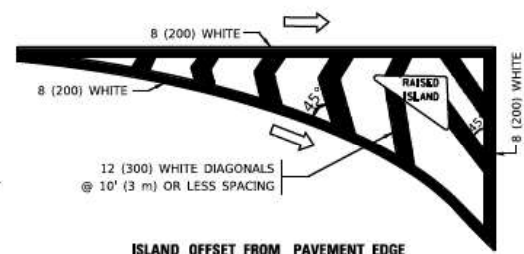
**MEDIAN WITH TWO-WAY LEFT TURN LANE**



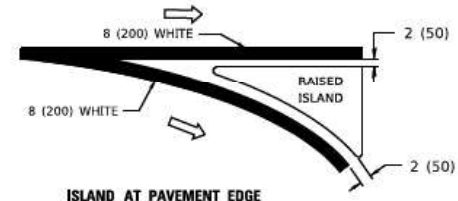
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* 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\*.

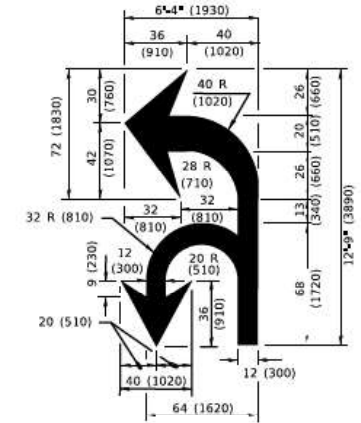


**ISLAND OFFSET FROM PAVEMENT EDGE**

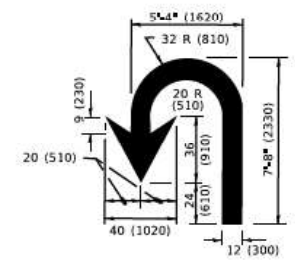


**ISLAND AT PAVEMENT EDGE**

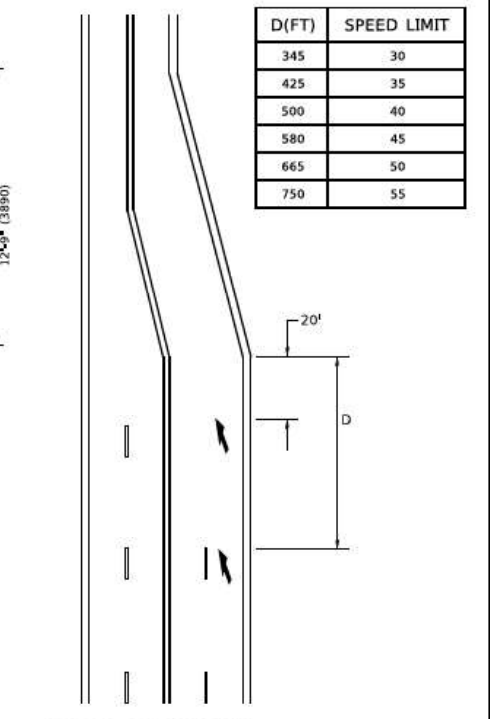
**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**



**LANE REDUCTION TRANSITION**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (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 1/2 (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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; *R* 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R* = 3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X* = 54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

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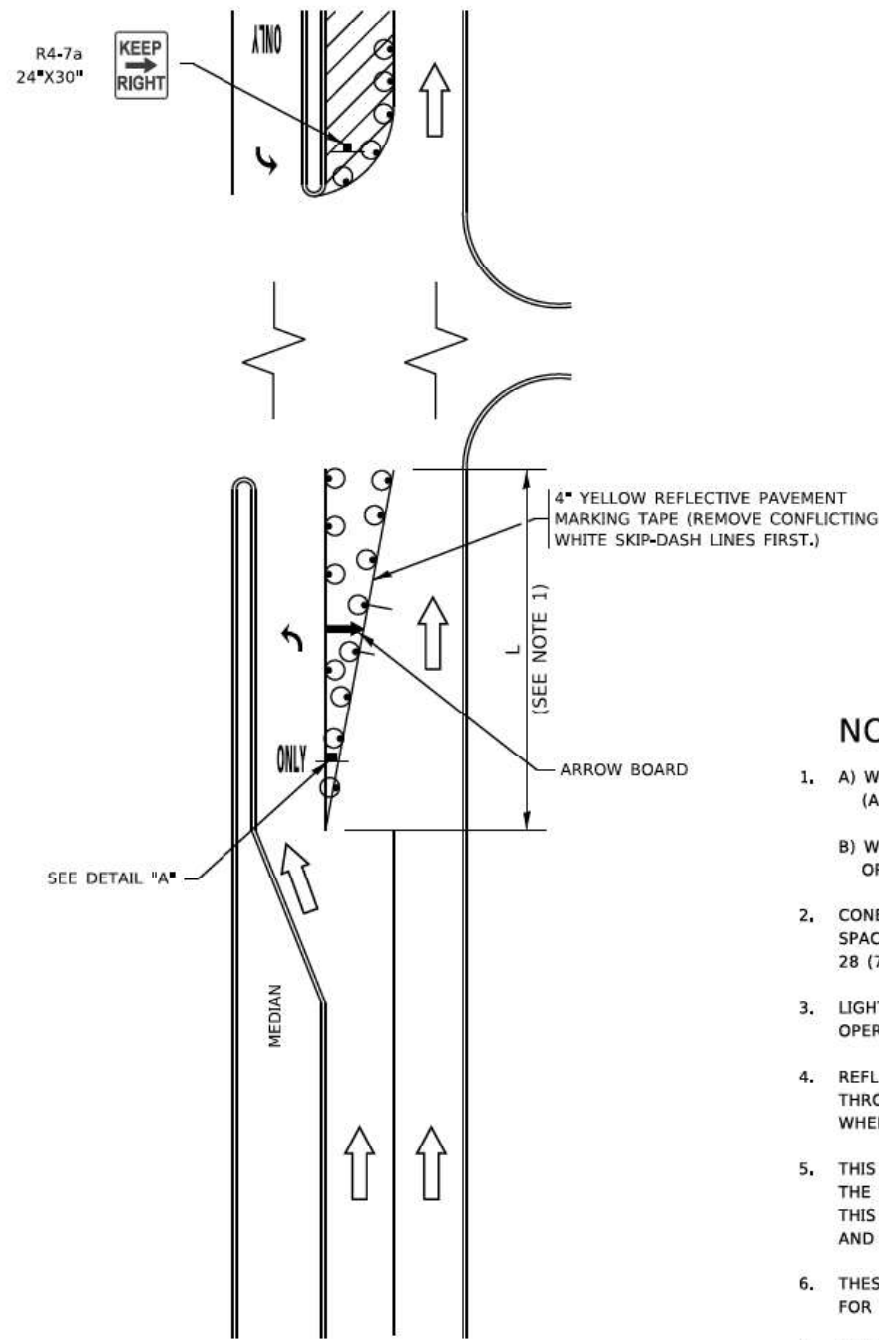
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	DATE = 03-19-90	REVISED = C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>	
<b>TYPICAL PAVEMENT MARKINGS</b>	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

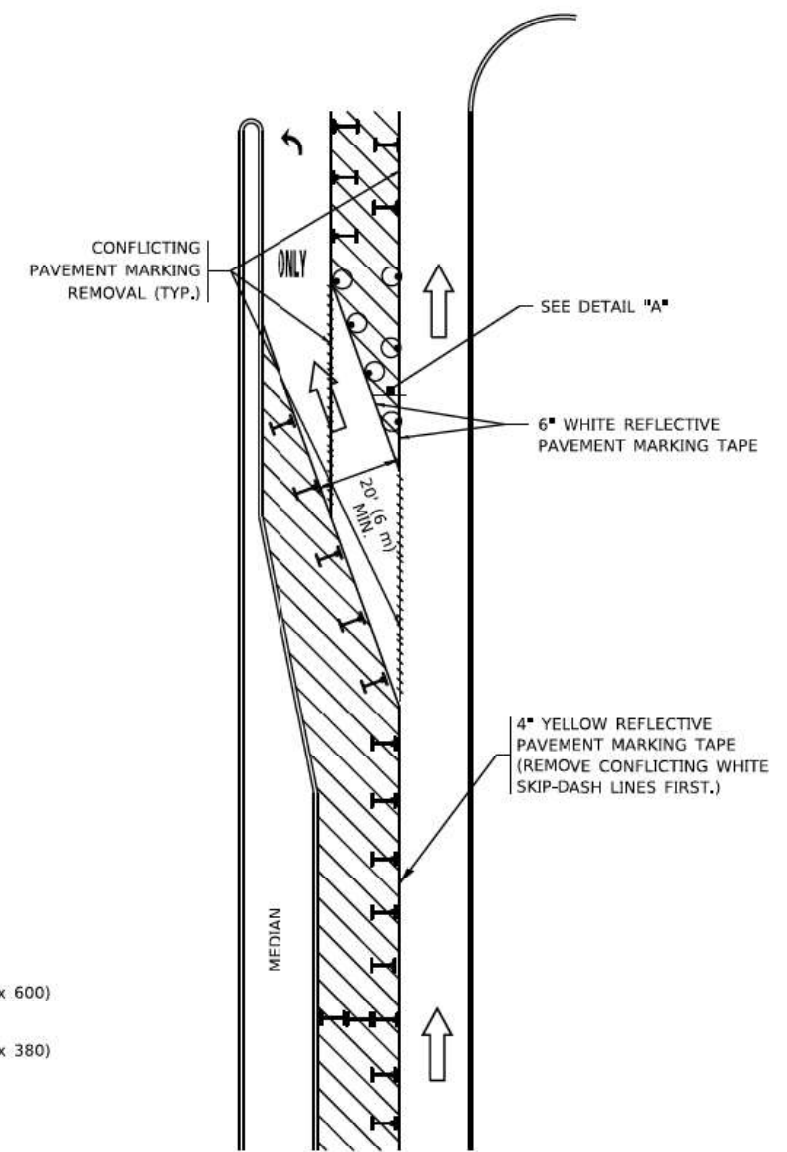
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	D102N&T	COOK	426	349
<b>TC-13</b>			CONTRACT NO.	62C25
ILLINOIS		FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



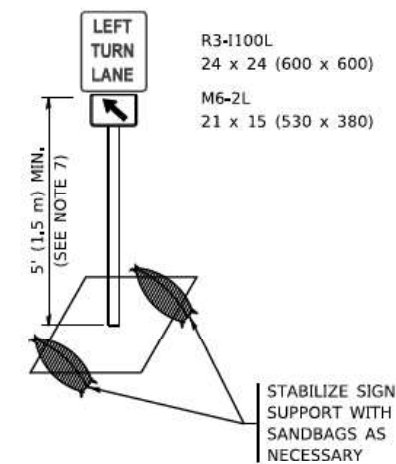
**FIGURE 2**

### 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 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.

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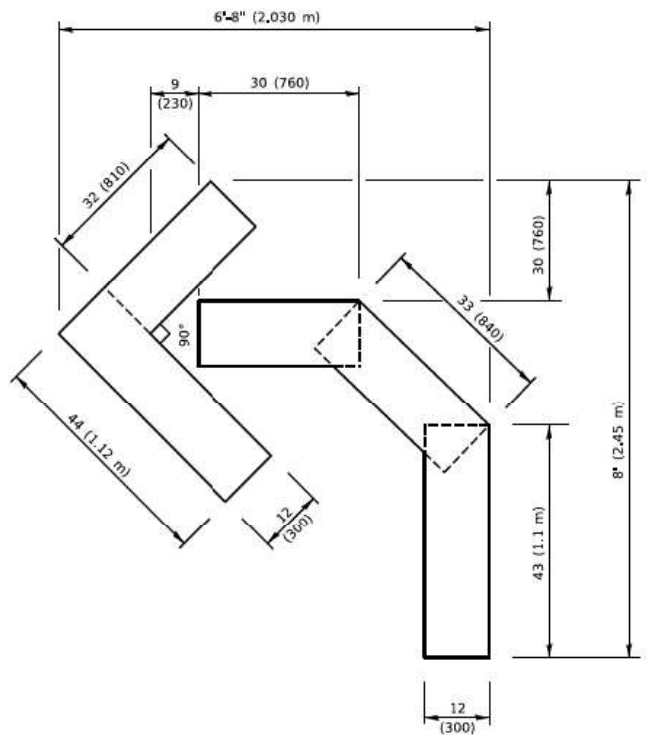
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PLOT SCALE	= 50,0000 * / ft.	CHECKED	- A. HOUSEH 10-12-96	REVISED	- A. SCHUETZE 09-15-16
PLOT DATE	= 3/4/2019	DATE	- T. RAMMACHER 01-06-00	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

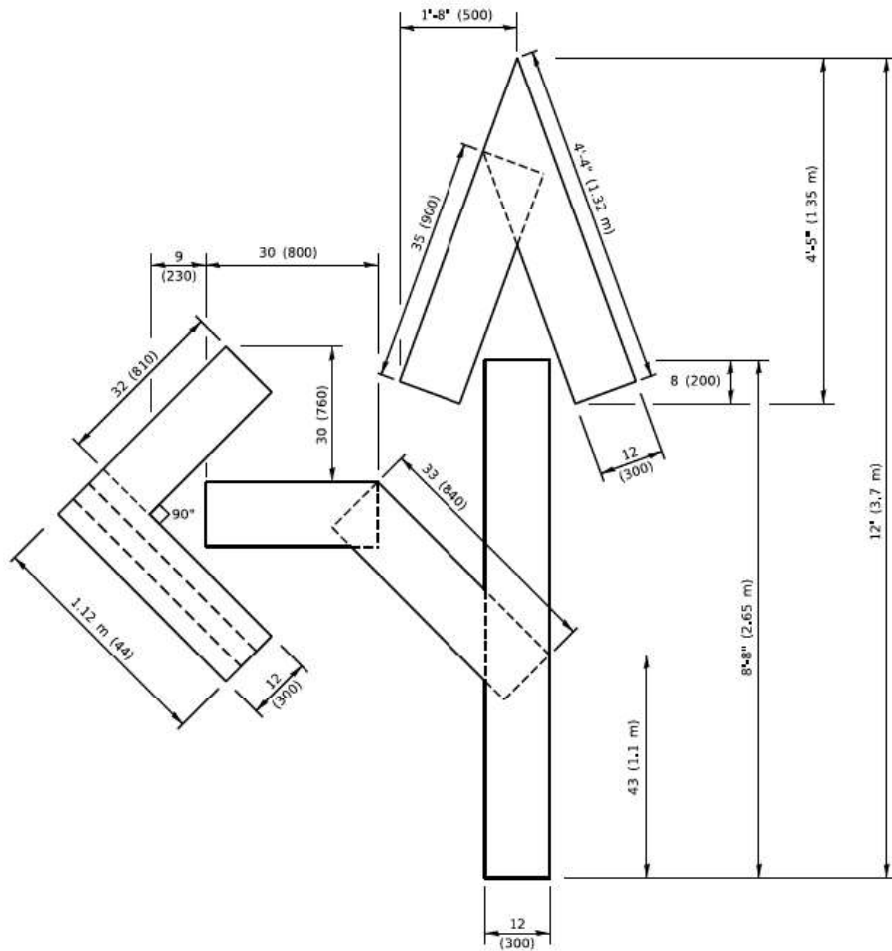
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TC-14		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				



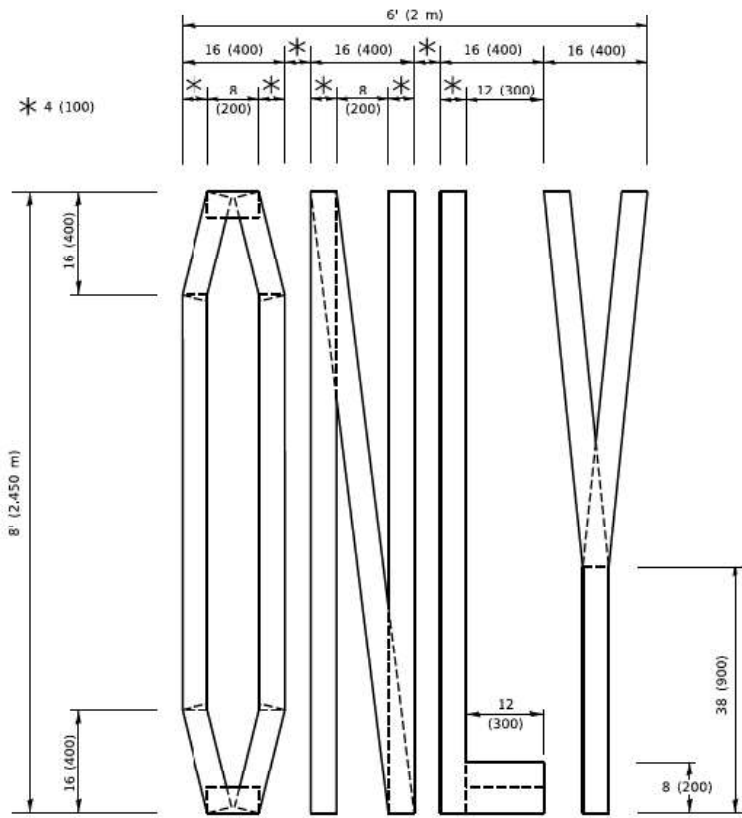
**QUANTITY**

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



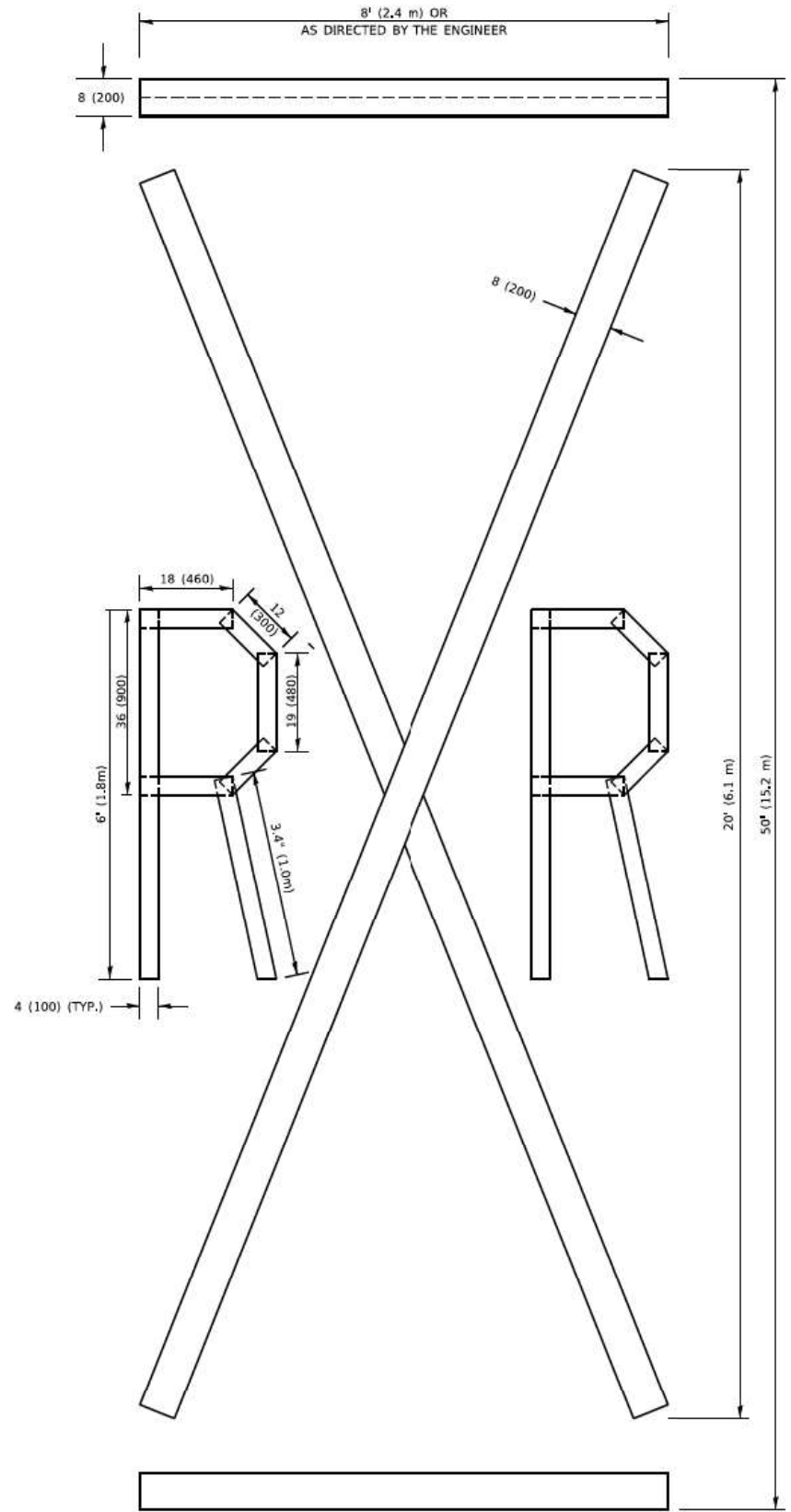
**QUANTITY**

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



**QUANTITY**

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



**QUANTITY**

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

**NOTE:**

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

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

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	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

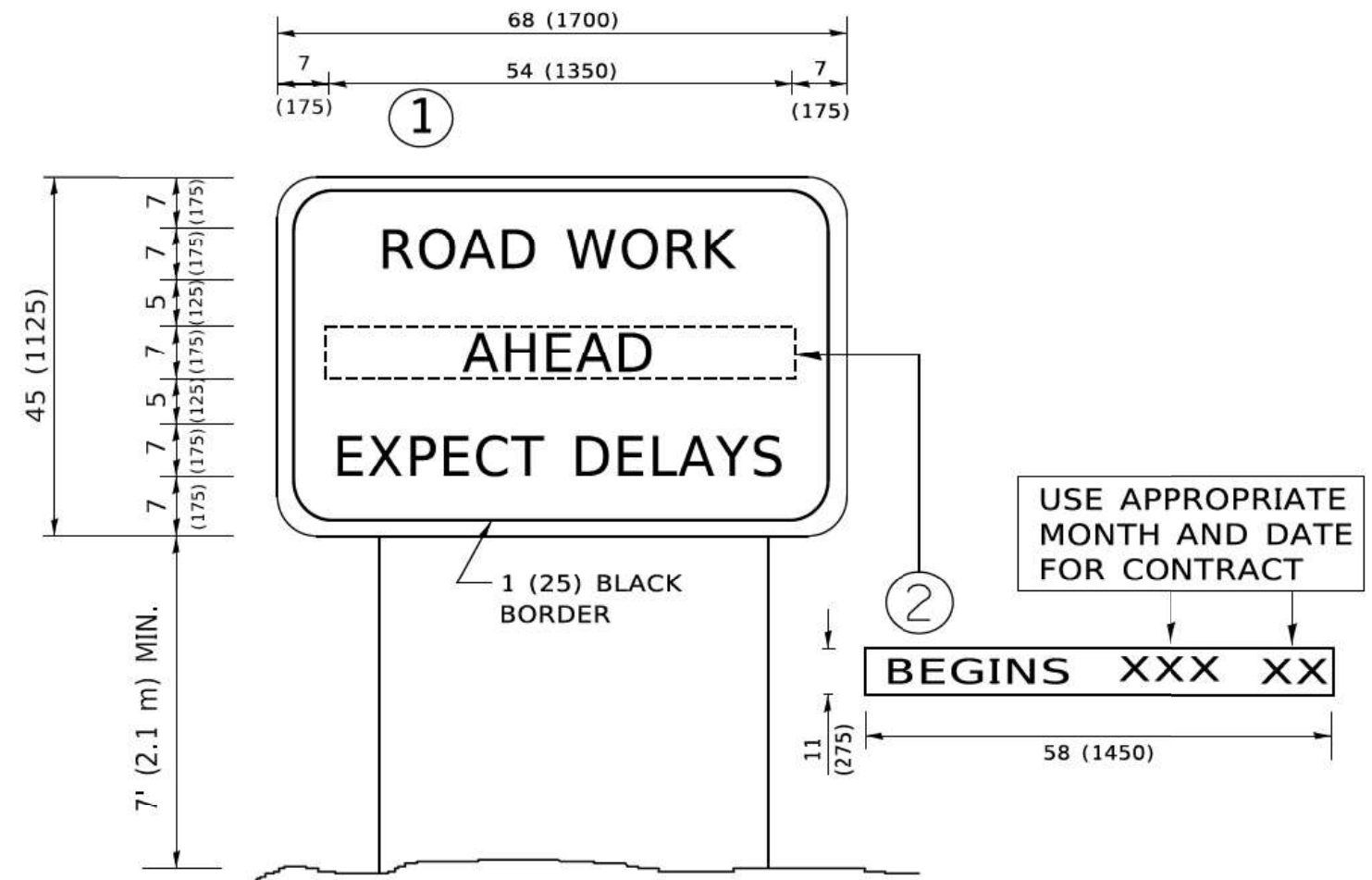
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 351
<b>TC-16</b>		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\proj\13031 DOT East Ave\CAD\13031 DOT East Ave\CAD\CADD\_Sheets\Cvt\10162025-114-Det\_Sign.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.

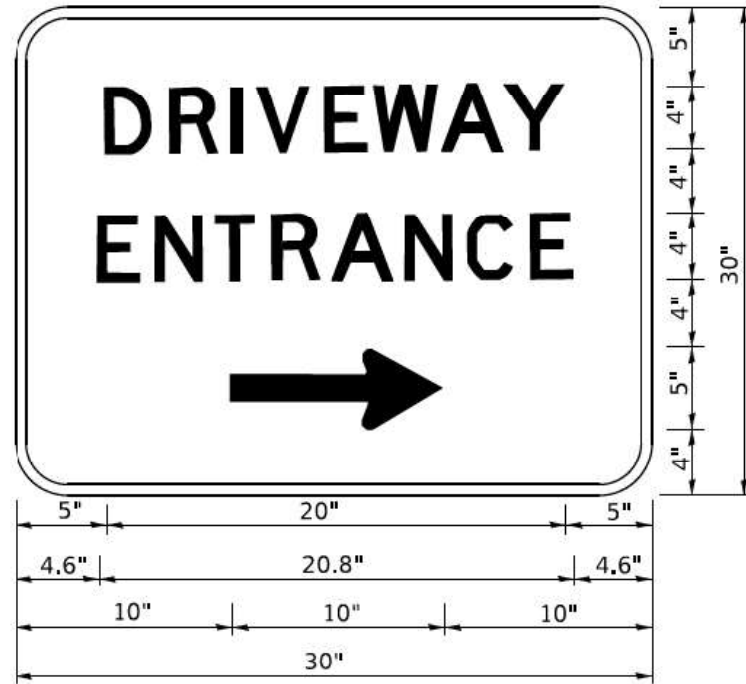
USER NAME	- f00temj	DESIGNED	-	REVISED	- R. MIRS 09-15-97
DRAWN	-	DRAWN	-	REVISED	- R. MIRS 12-11-97
PLOT SCALE	- 50,0000 * / ft.	CHECKED	-	REVISED	- T. RAMMACHER 02-02-99
PLOT DATE	- 3/4/2019	DATE	-	REVISED	- C. JUCIUS 01-31-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD  
INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	352
TC-22		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

FILE NAME = I:\Engineer\mg\live\Projects\13831\DOT East Ave\CAD\2000 Sheets\Cvt\10162025-111-0-01-Std.dgn

USER NAME	DESIGNED	REVISED
• fbotemj	-	- C. JUCIUS 02-15-07
	DRAWN	REVISED
	-	-
PLOT SCALE	CHECKED	REVISED
• 50,0000 * / ft.	-	-
PLOT DATE	DATE	REVISED
• 3/4/2019	-	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

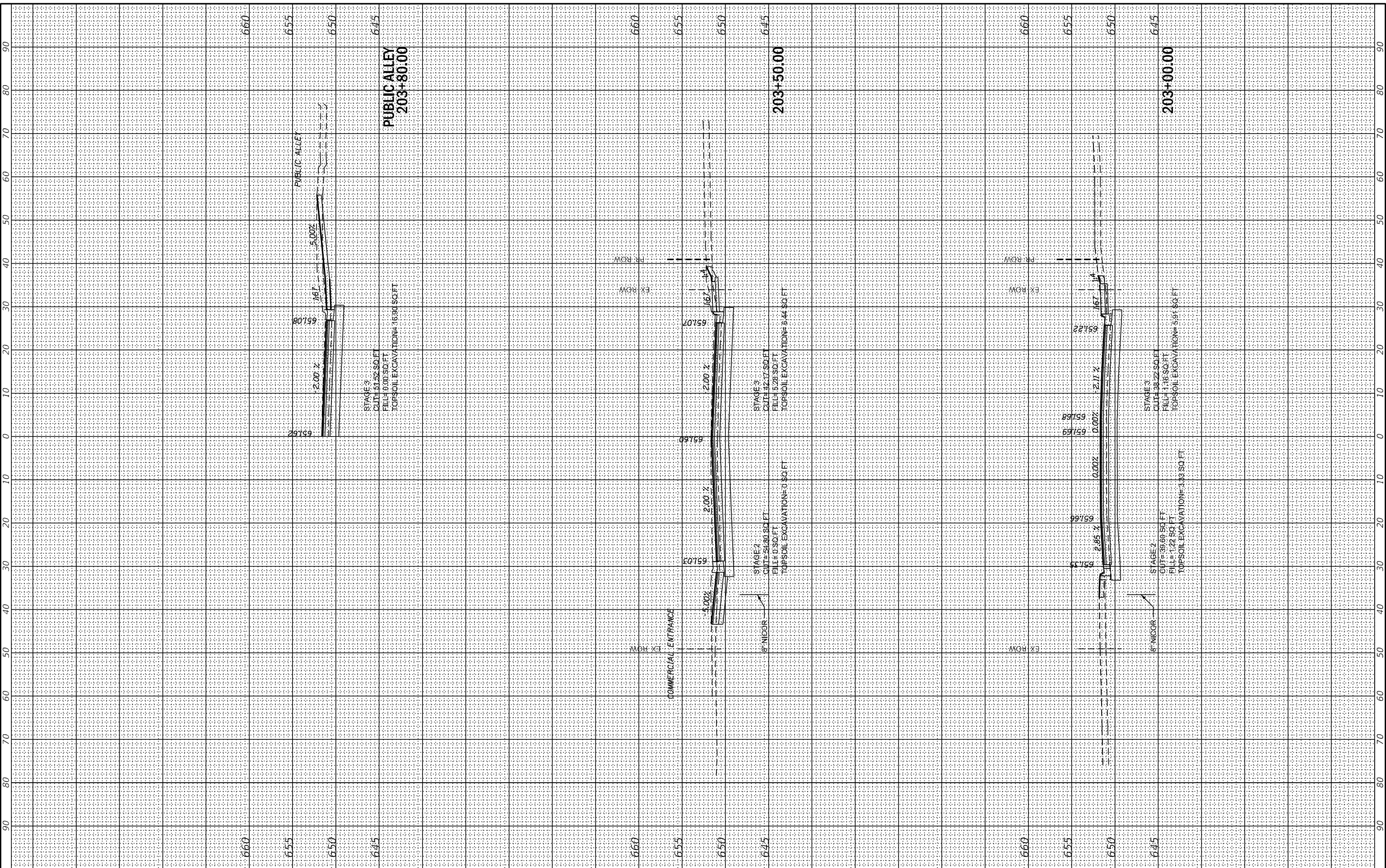
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	353
TC-26		CONTRACT NO.	62C25	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_1  
FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID162C25-sh-05 EstAve.cgr



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - MN	REVISED -
PLOT DATE = 05/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 203+00.00	TO STA. 203+80.00
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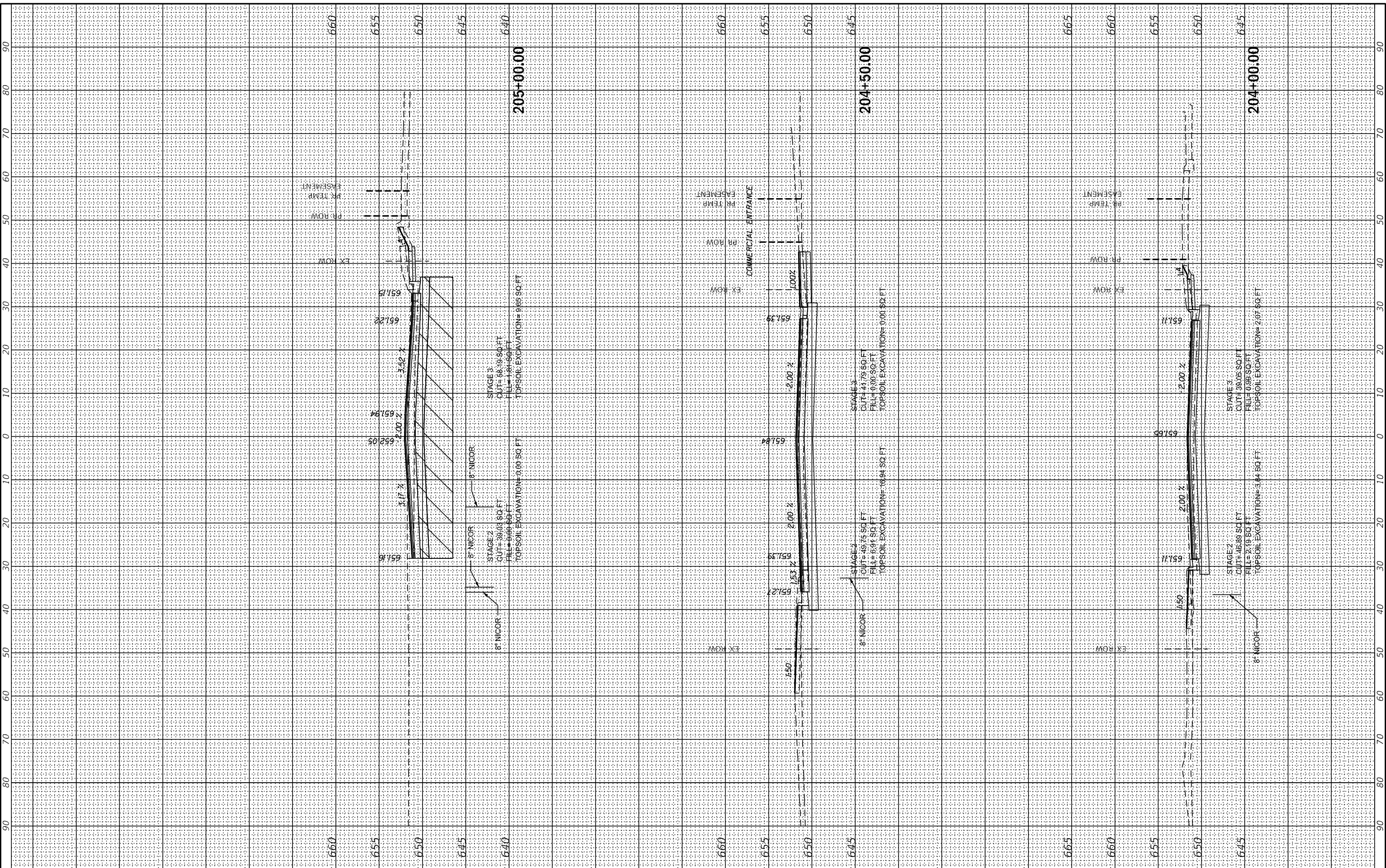
**EAST AVE CROSS SECTIONS - I  
EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 354
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: X5\_SHEET\_2  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-X5\_EstAve.dgn



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - II  
 EAST AVENUE (55TH ST TO JOLIET RD)**

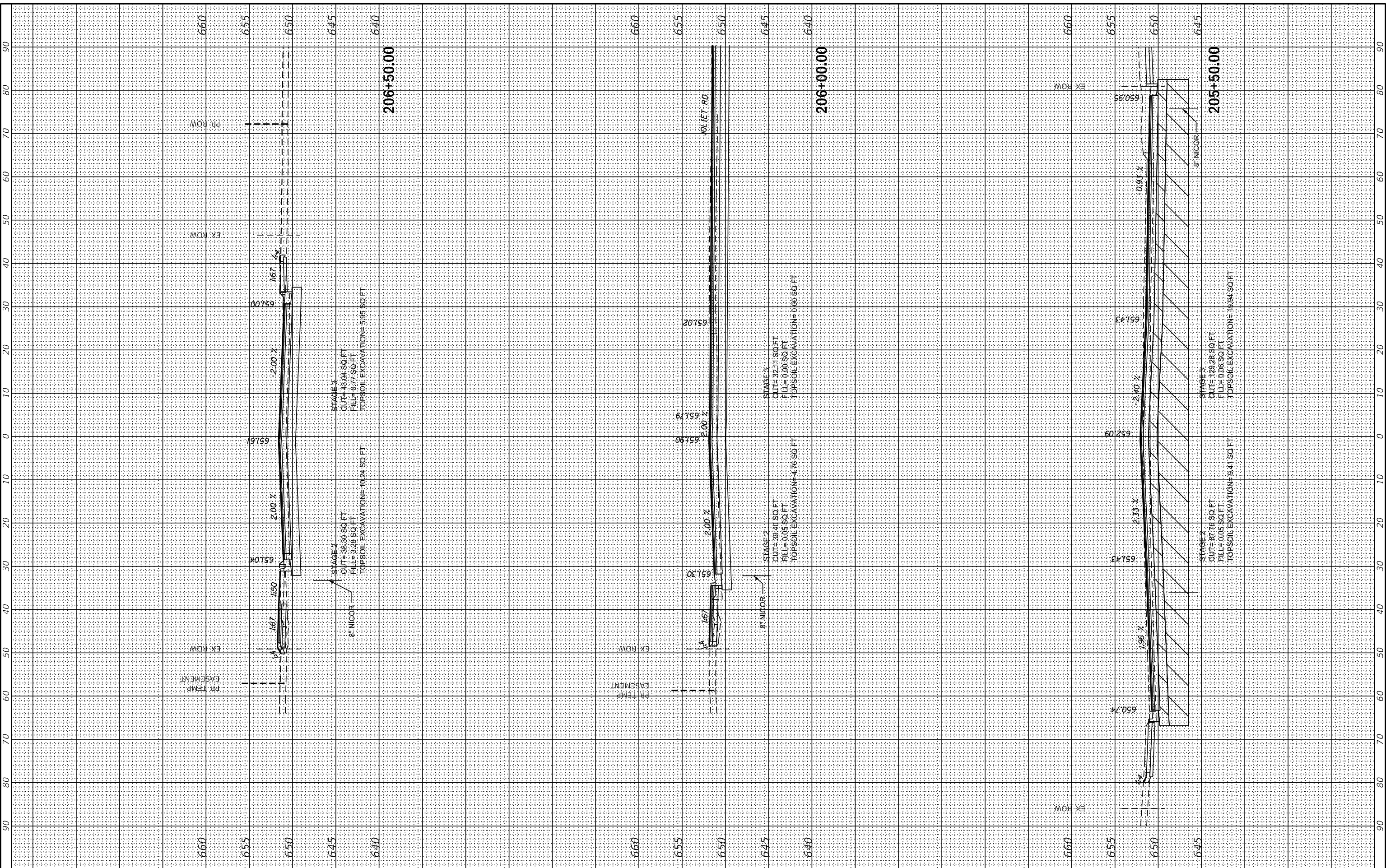
SCALE: SHEET OF SHEETS STA. 204+00.00 TO STA. 205+00.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 355
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: XS\_SHEET\_3  
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USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - III  
 EAST AVENUE (55TH ST TO JOLIET RD)**

SCALE: SHEET OF SHEETS STA. 205+50.00 TO STA. 206+50.00

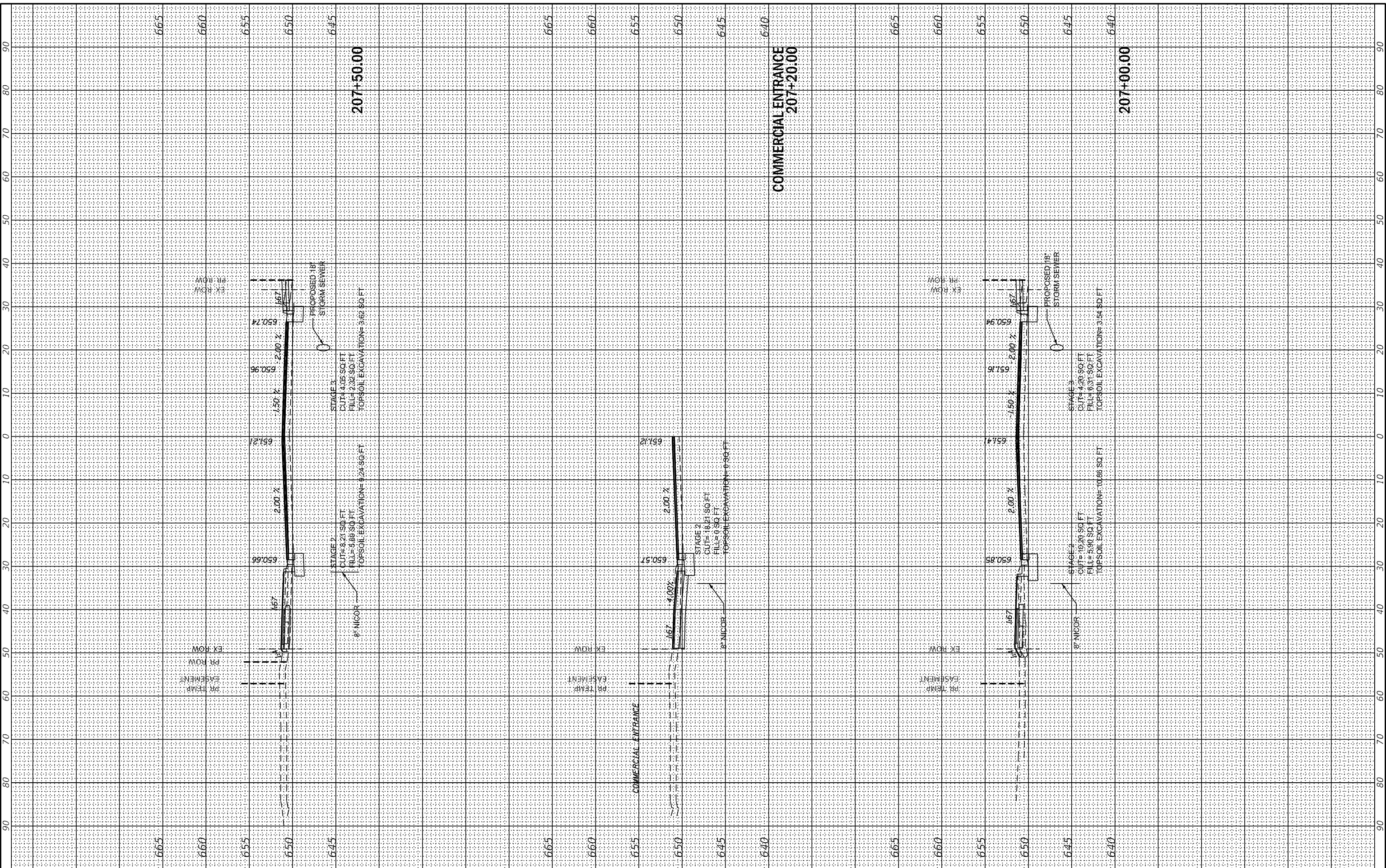
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	356
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: X5\_SHEET\_4  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\162C25-sh-X5\_EstAve.dgn



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,000' = 1 in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - IV  
 EAST AVENUE (55TH ST TO JOLIET RD)**

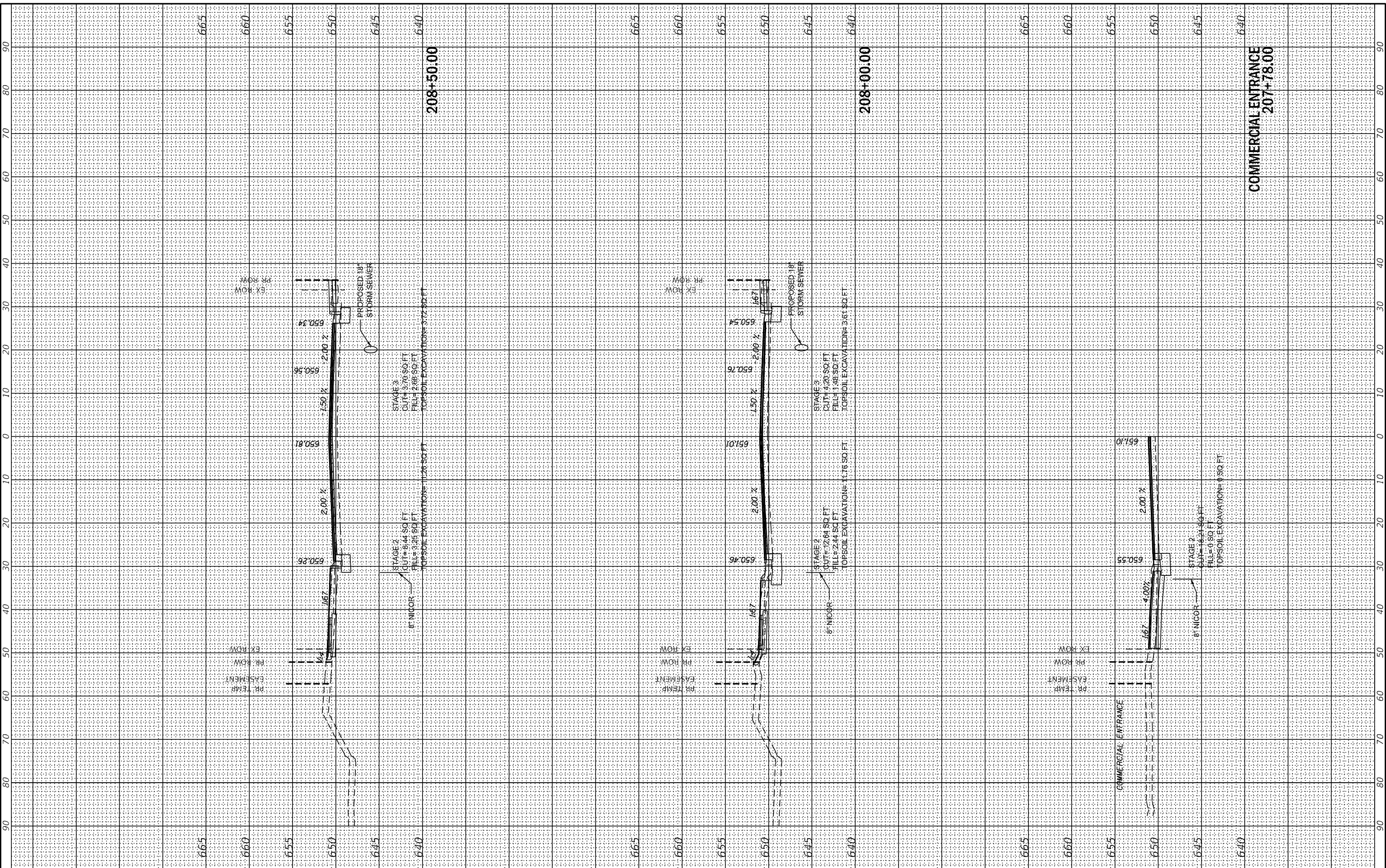
SCALE: SHEET OF SHEETS STA. 207+00.00 TO STA. 207+50.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 357
CONTRACT NO. 62C25				ILLINOIS FED. AID PROJECT

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

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

MODEL: X5\_SHEET\_5  
FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-X5\_EstAve.dgn



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - V  
EAST AVENUE (55TH ST TO JOLIET RD)**

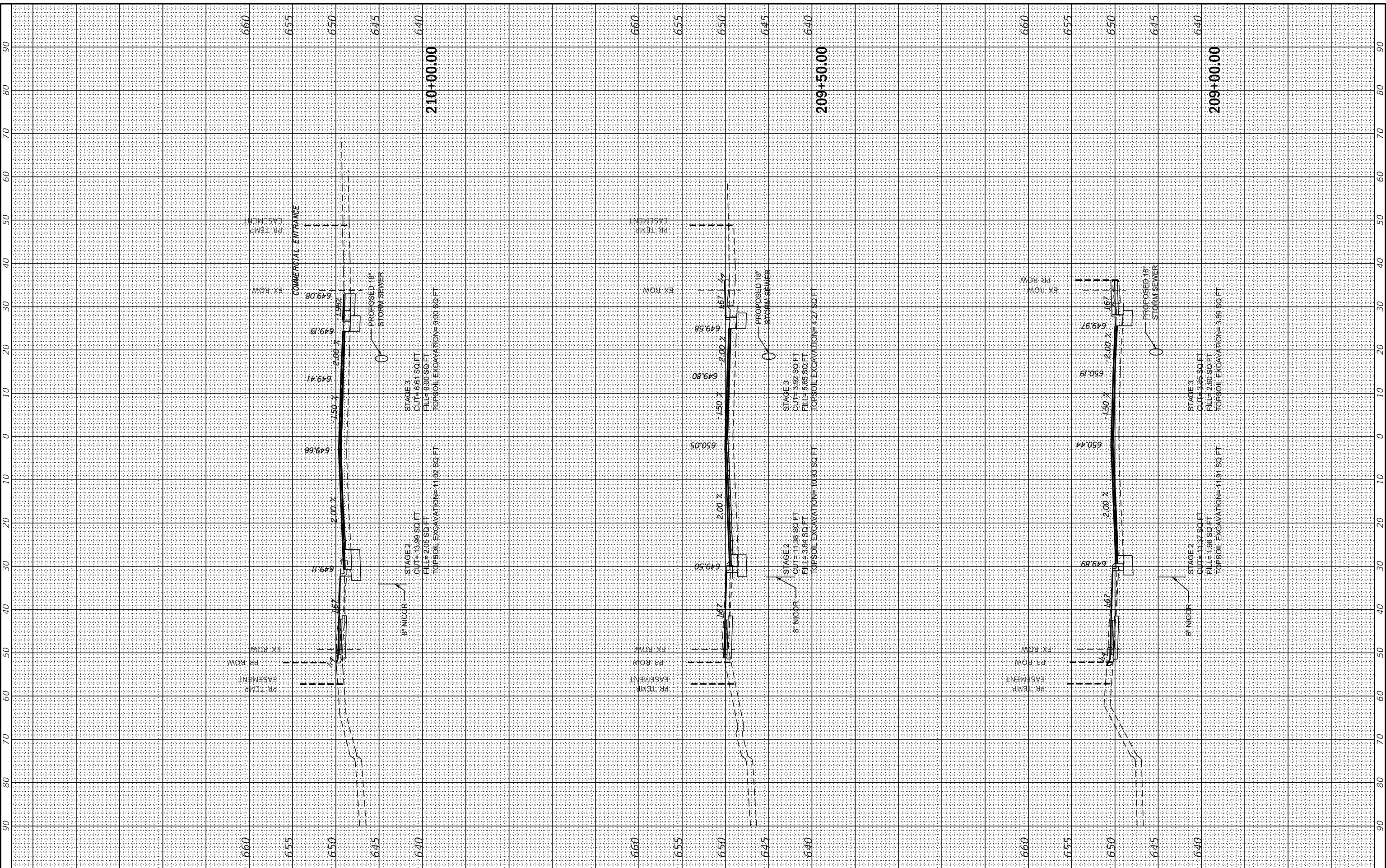
SCALE: SHEET OF SHEETS STA. 207+78.00 TO STA. 208+50.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 358
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: X5\_SHEET\_6  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\Civil\162C25-sh-X5\_EstAve.dgn



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20.0000 * / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 209+00.00	TO STA. 210+00.00
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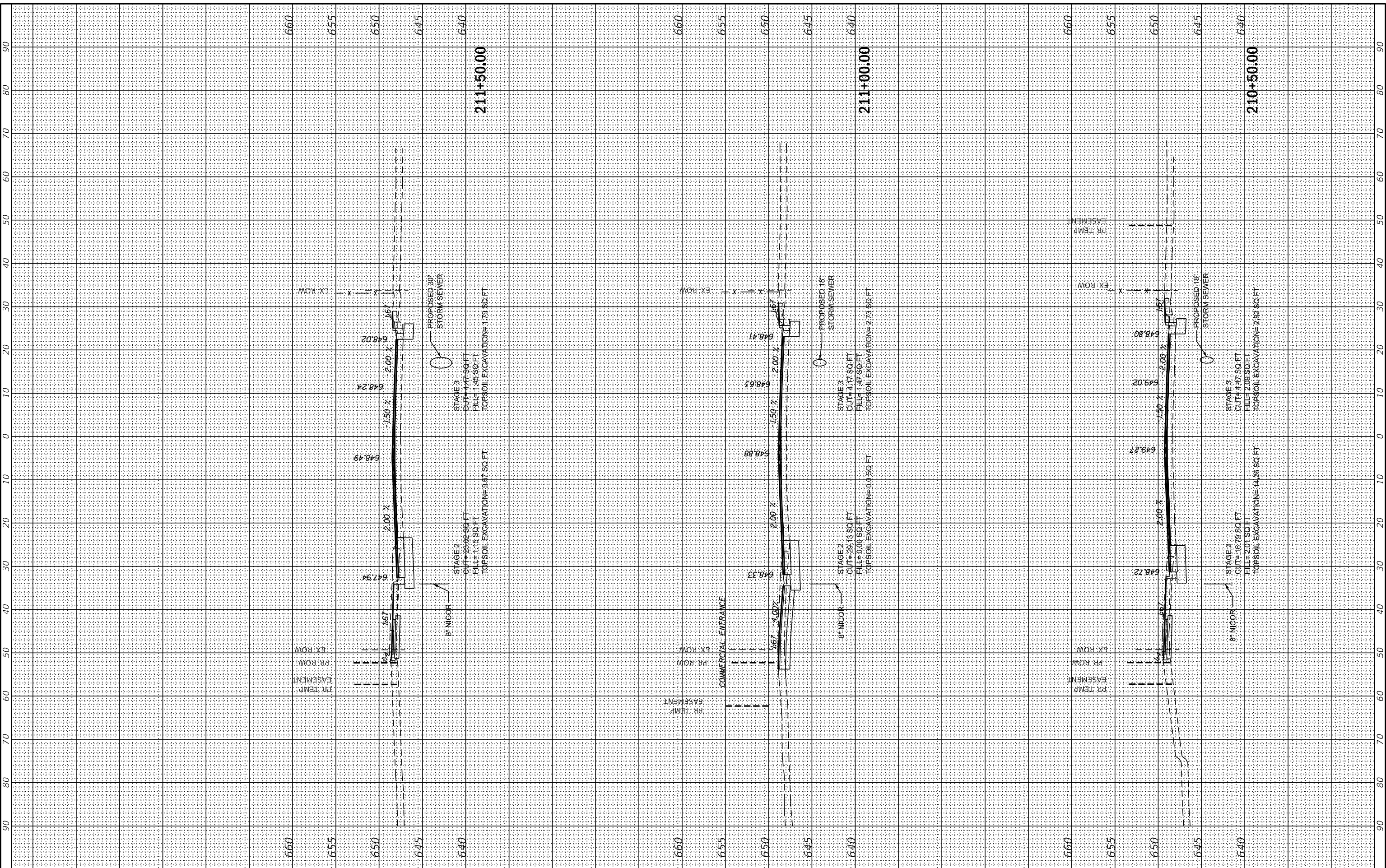
**EAST AVE CROSS SECTIONS - VI**  
**EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	359
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_7  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-05 Est&Ac.dgn



USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021
CHECKED	- TGM
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - VII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

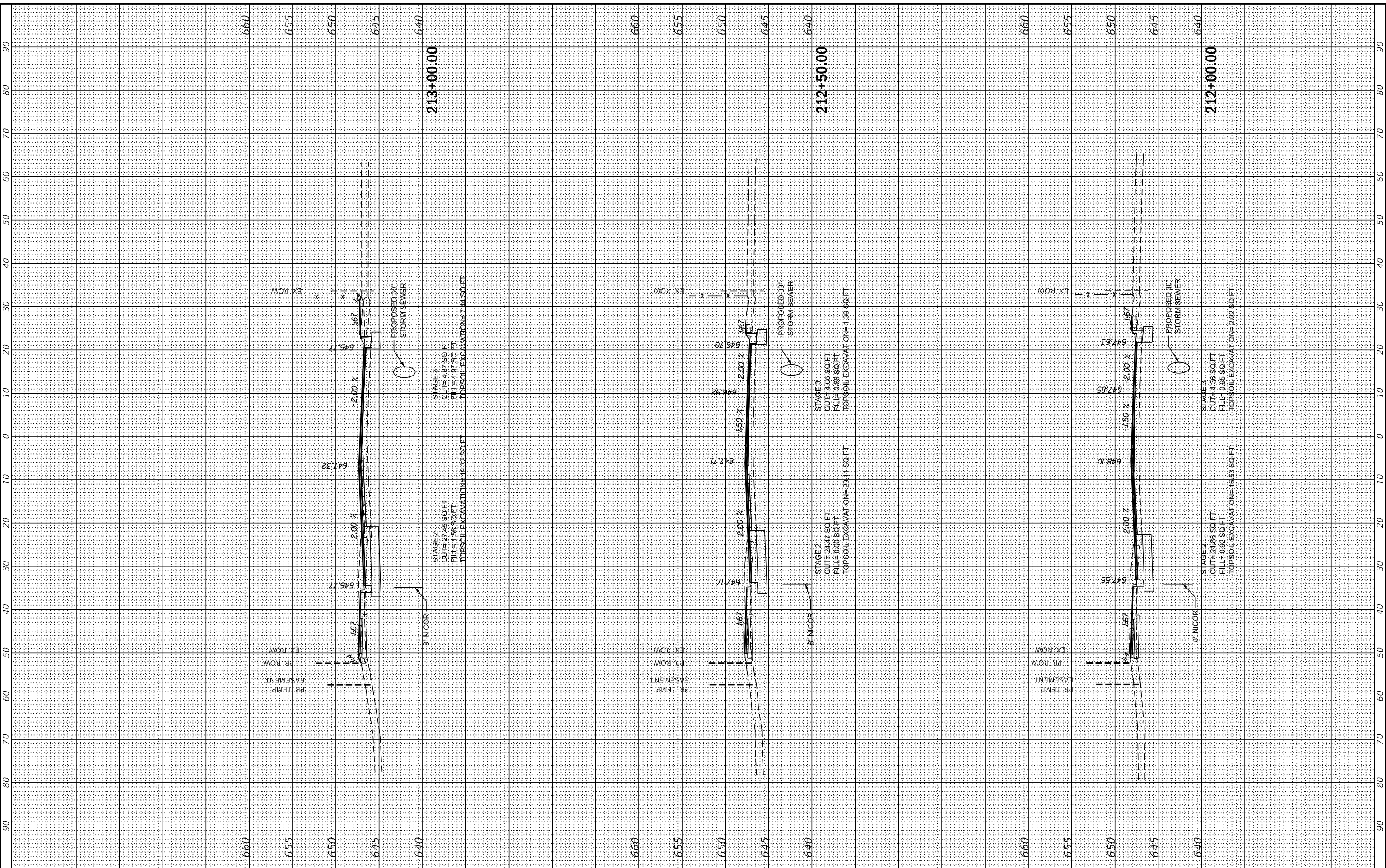
SCALE: SHEET OF SHEETS STA. 210+50.00 TO STA. 211+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	360
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	

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

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

MODEL: X5\_SHEET\_B  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-X5\_EstAve.dgn



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,000' = 1"	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - VIII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

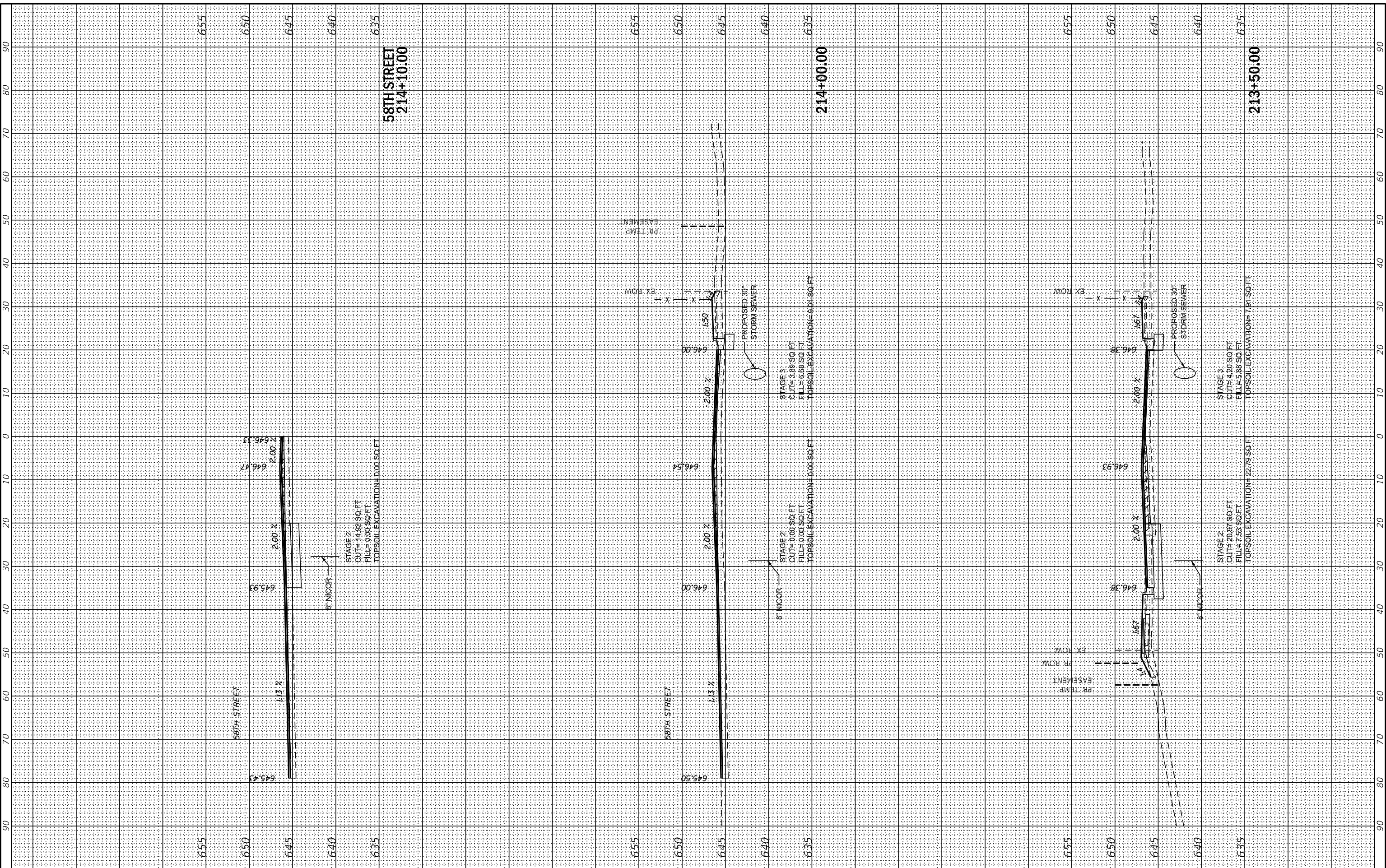
SCALE: SHEET OF SHEETS STA. 212+00.00 TO STA. 213+00.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 361
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: XS\_SHEET\_9  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CAD\CADD\_Sheets\CADD\62C25-sh-45 Est\4a.cad



USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021
CHECKED	- TGM
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - IX  
 EAST AVENUE (55TH ST TO JOLIET RD)**

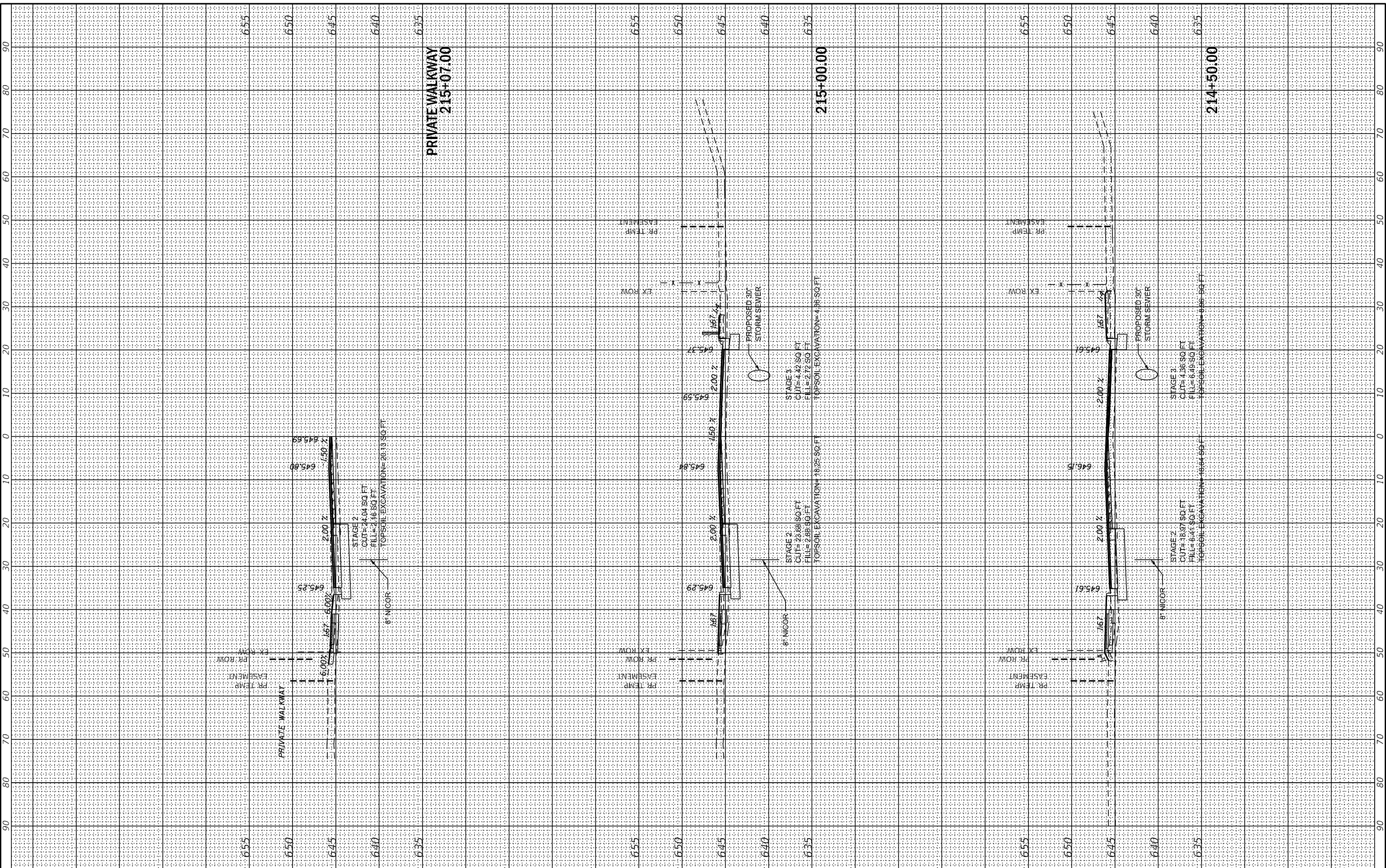
SCALE: SHEET OF SHEETS STA. 213+50.00 TO STA. 214+10.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	362
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: X5\_SHEET\_10  
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USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - X  
 EAST AVENUE (55TH ST TO JOLIET RD)**

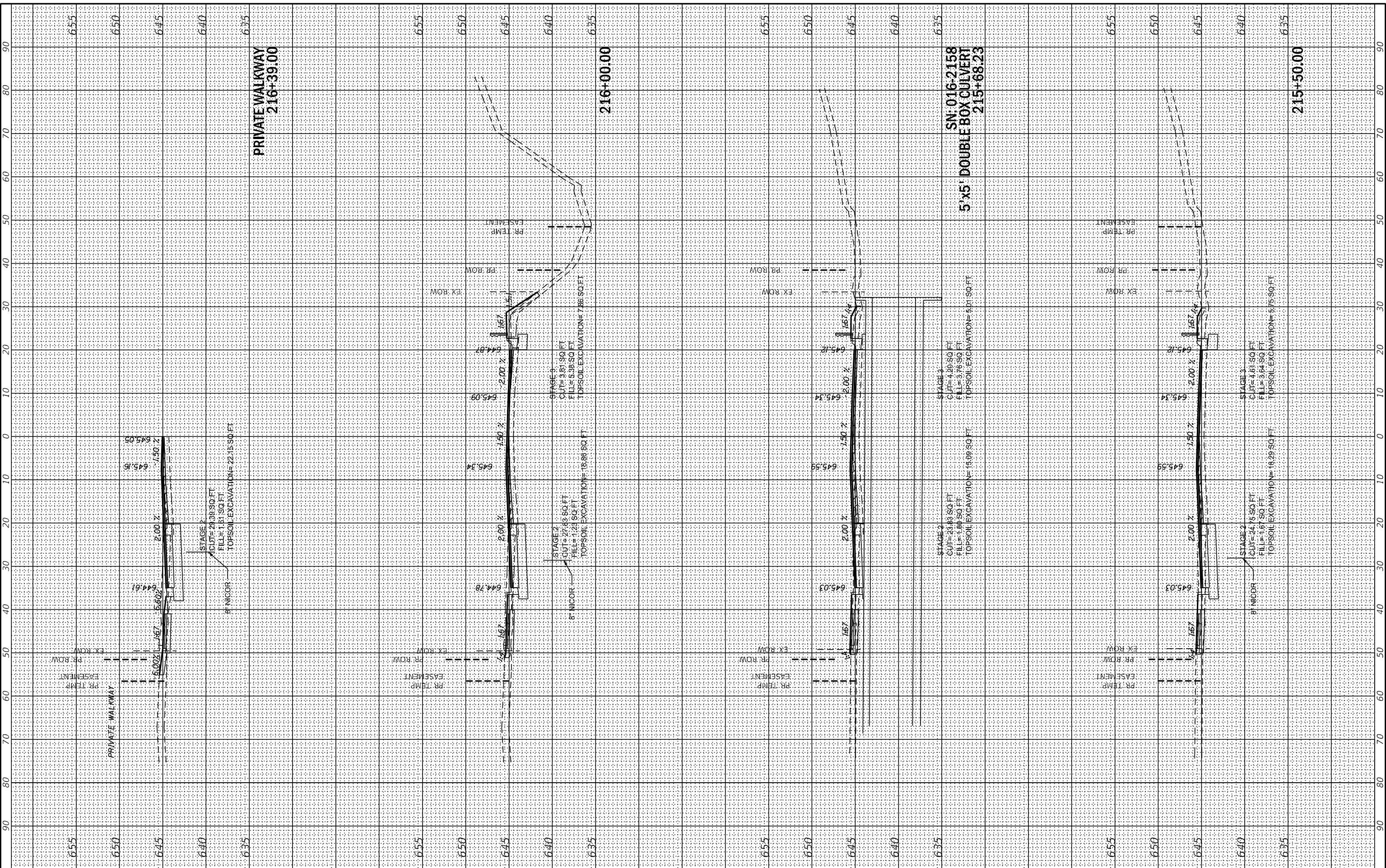
SCALE: SHEET OF SHEETS STA. 214+50.00 TO STA. 215+07.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 363
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: X5\_SHEET\_11  
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USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 215+50.00	TO STA. 216+39.00
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**EAST AVE CROSS SECTIONS - XI  
 EAST AVENUE (55TH ST TO JOLIET RD)**

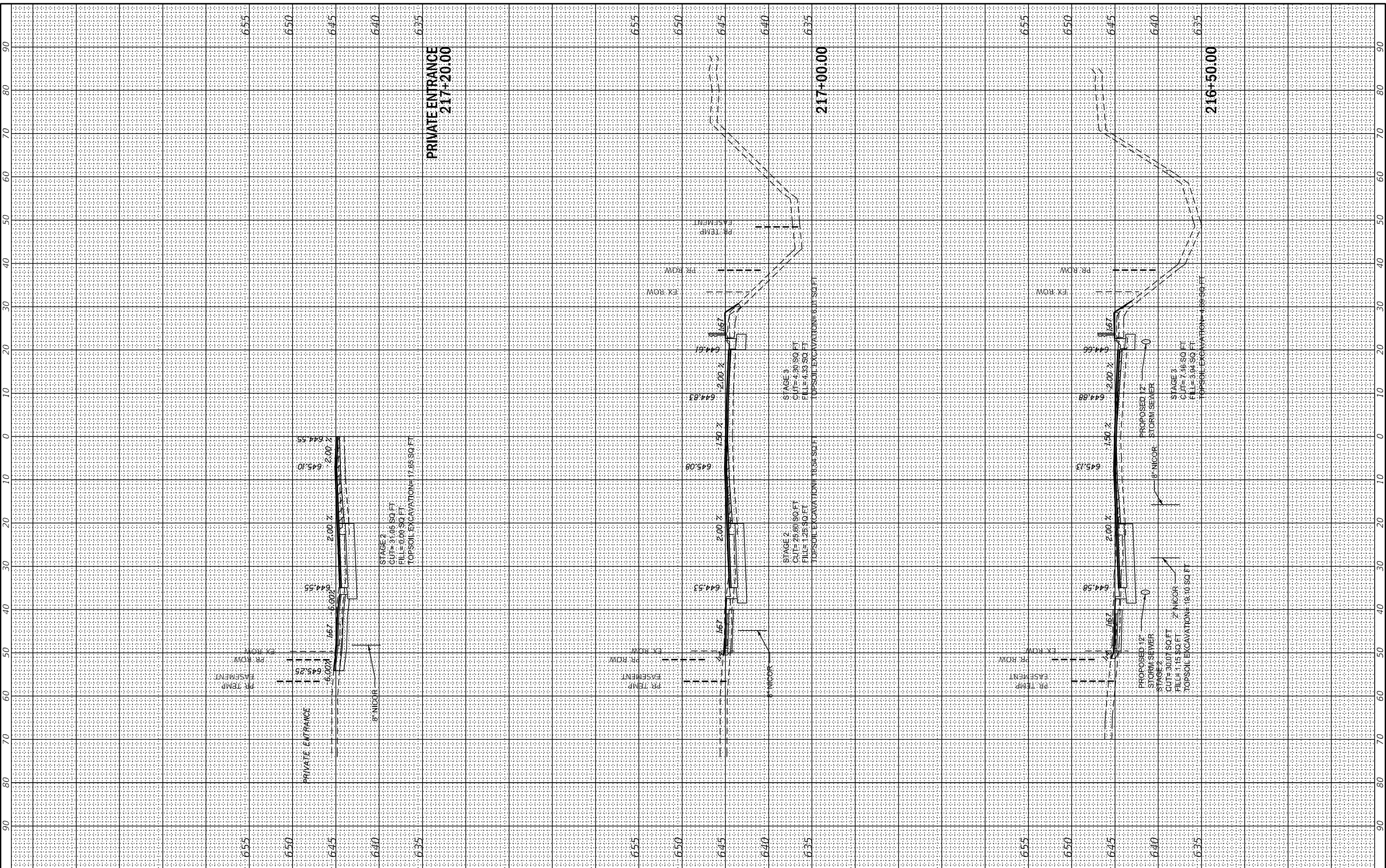
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	364
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	



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

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

MODEL: X5\_SHEET\_12  
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USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

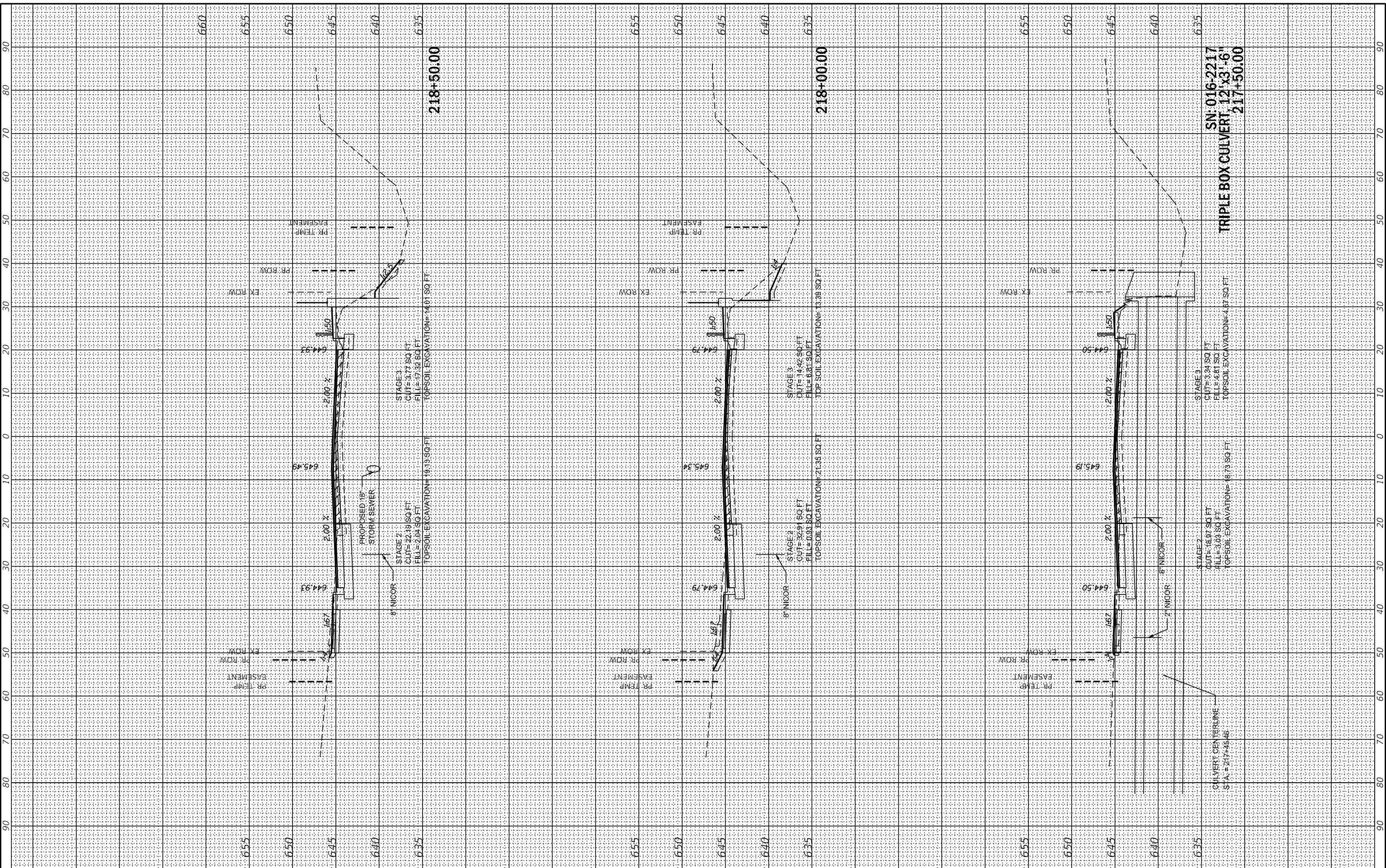
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F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 365
CONTRACT NO. 62C25				ILLINOIS FED. AID PROJECT

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

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

MODEL: X5\_SHEET\_13  
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USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

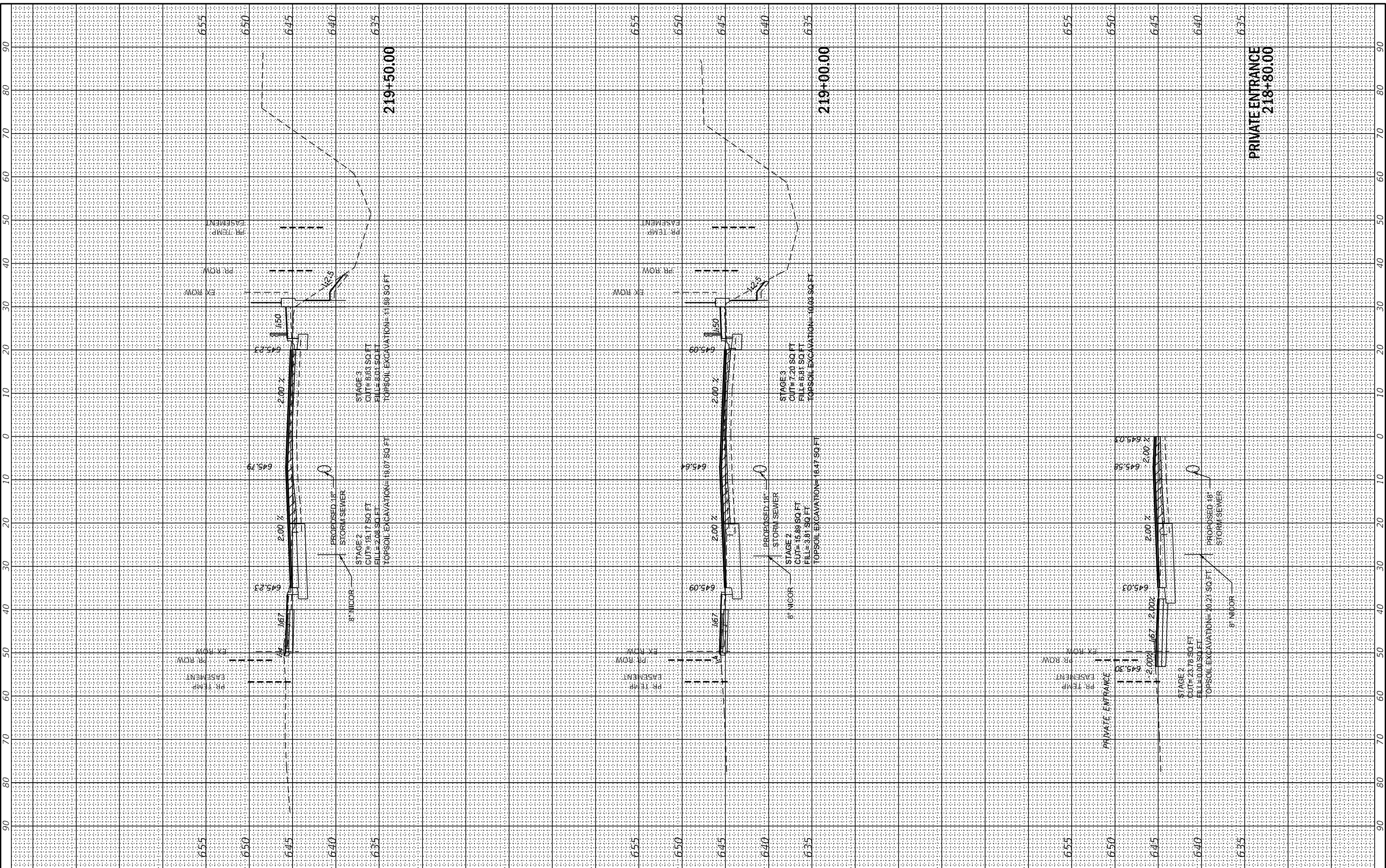
EAST AVE CROSS SECTIONS - XIII	
EAST AVENUE (55TH ST TO JOLIET RD)	
SCALE:	SHEET OF SHEETS STA. 217+50.00 TO STA. 218+50.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 366
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: X5\_SHEET\_14  
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USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XIV  
 EAST AVENUE (55TH ST TO JOLIET RD)**

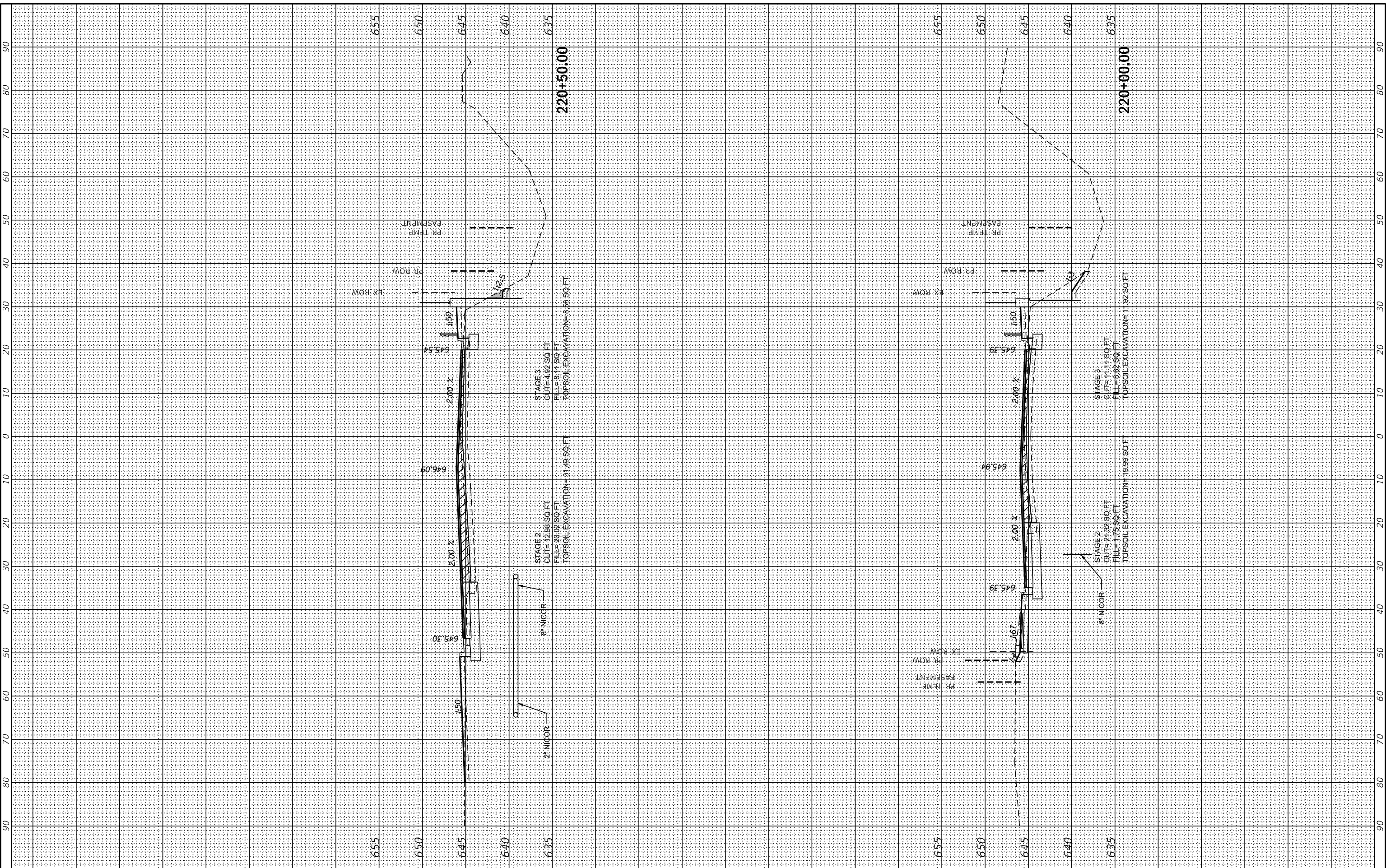
SCALE: SHEET OF SHEETS STA. 218+80.00 TO STA. 219+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	367
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_15  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\Civil\15225-sh-X5\_EastAve.dgn



USER NAME	= jshumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000' / in.
PLOT DATE	= 8/5/2021

REVISD	-
REVISD	-
REVISD	-
REVISD	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XV  
 EAST AVENUE (55TH ST TO JOLIET RD)**

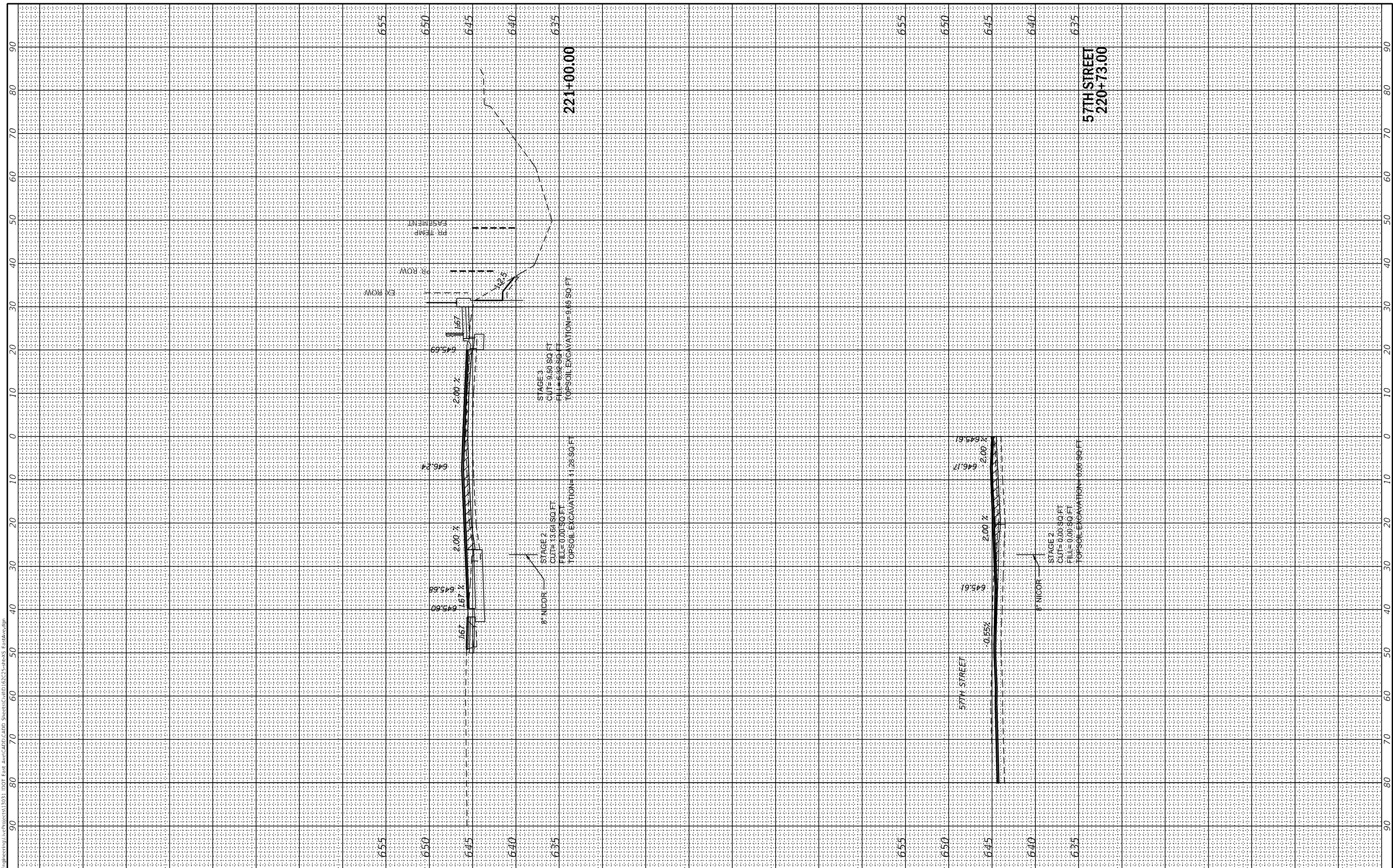
SCALE: SHEET OF SHEETS STA. 220+00.00 TO STA. 220+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	368
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_16  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\6225-sh-45 Est&Ac.dgn



USER NAME	= jshumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021

REVISED	-
REVISION	-
REVISION	-
REVISION	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 220+73.00	TO STA. 221+00.00
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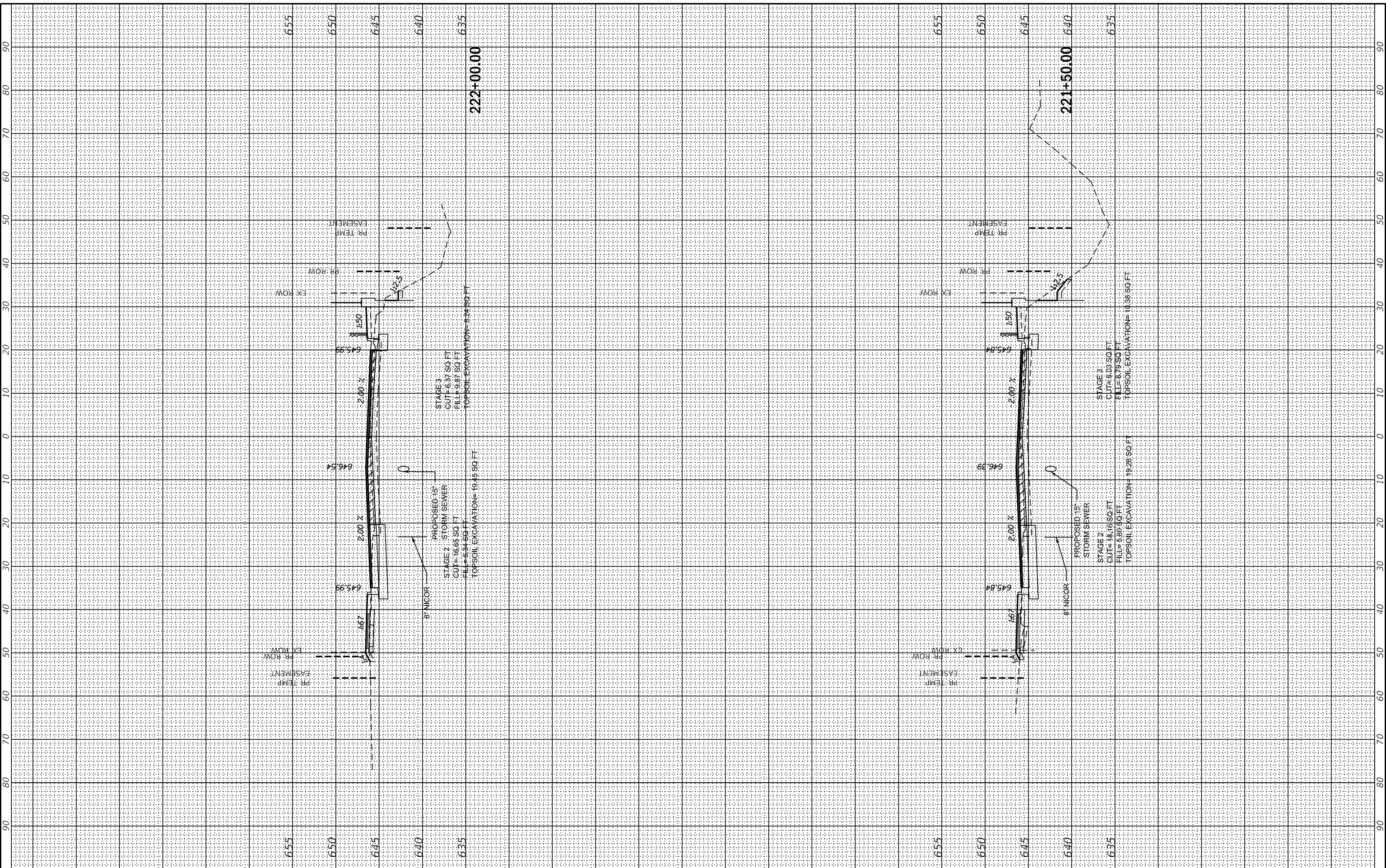
**EAST AVE CROSS SECTIONS - XVI  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	369
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_17  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID16225-sh-XS\_EstAve.dgn



USER NAME	= jshumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021
CHECKED	- TGM
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XVII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

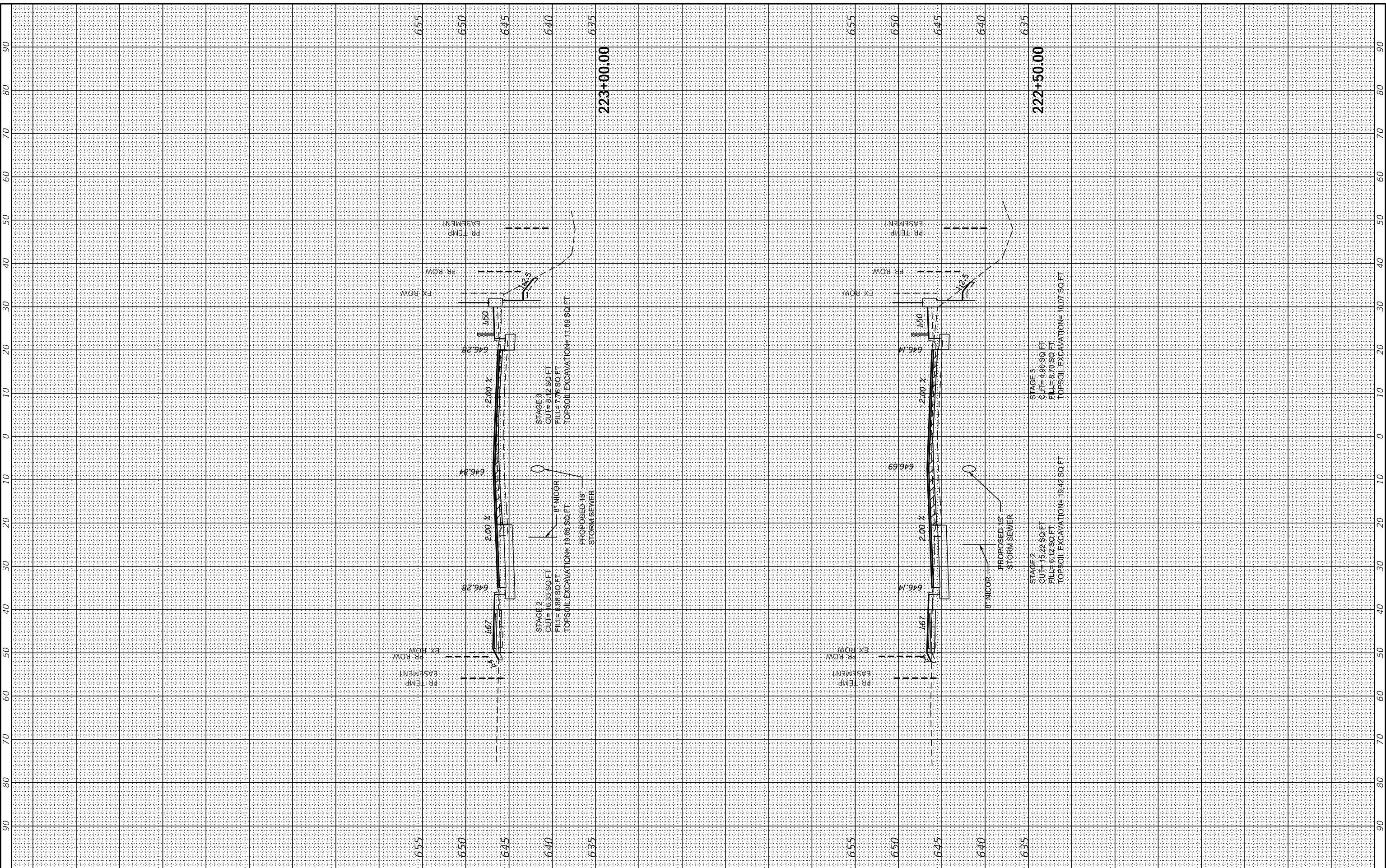
SCALE: SHEET OF SHEETS STA. 221+50.00 TO STA. 222+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	370
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_18  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-45\_EstAve.cgr



USER NAME	= jshumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021
CHECKED	- TGM
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XVIII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

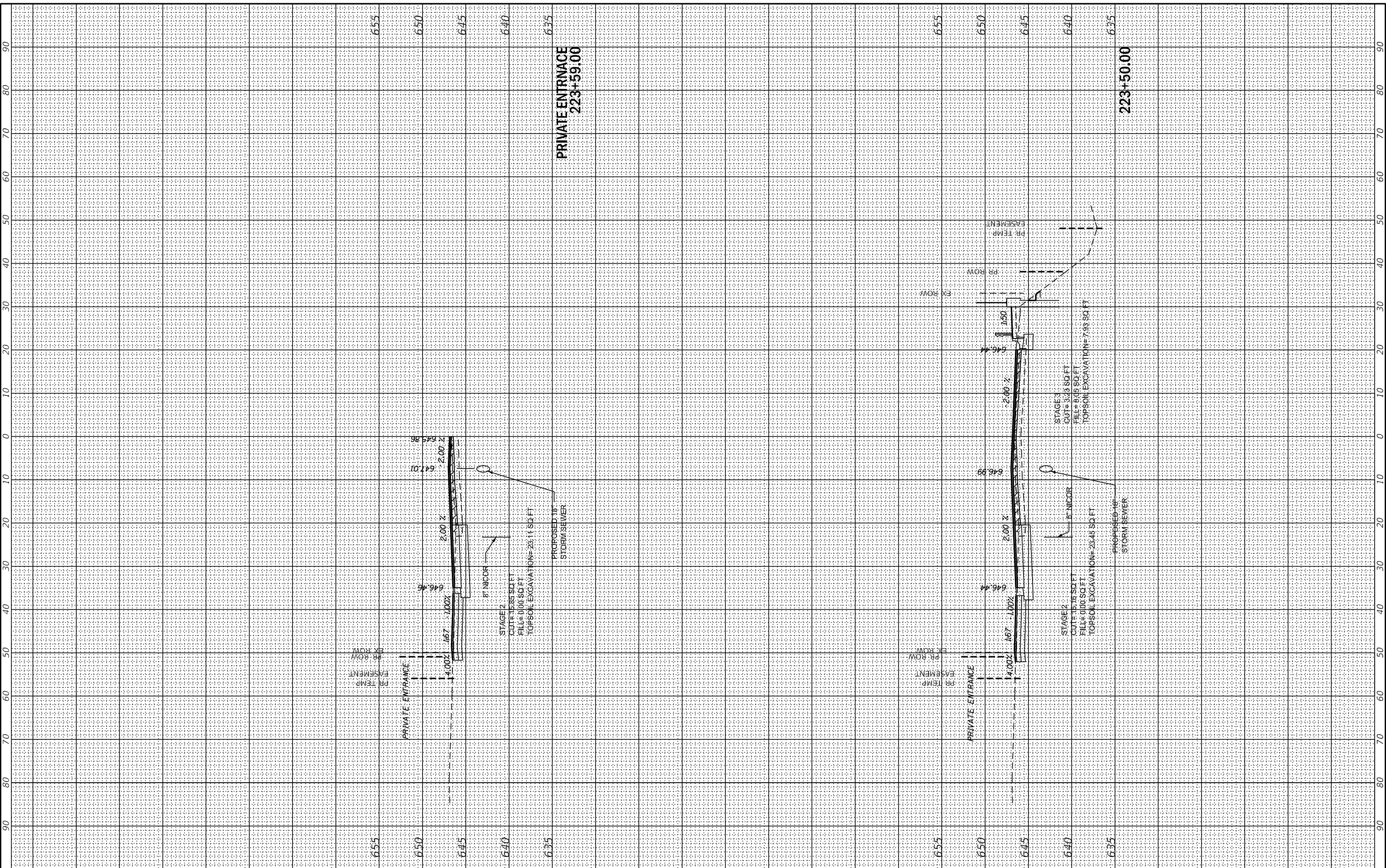
SCALE: SHEET OF SHEETS STA. 222+50.00 TO STA. 223+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	371
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_19  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-XS\_EstAve.dgn



USER NAME	= jshumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
CHECKED	- TGM
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XIX  
 EAST AVENUE (55TH ST TO JOLIET RD)**

SCALE: SHEET OF SHEETS STA. 223+50.00 TO STA. 223+59.00

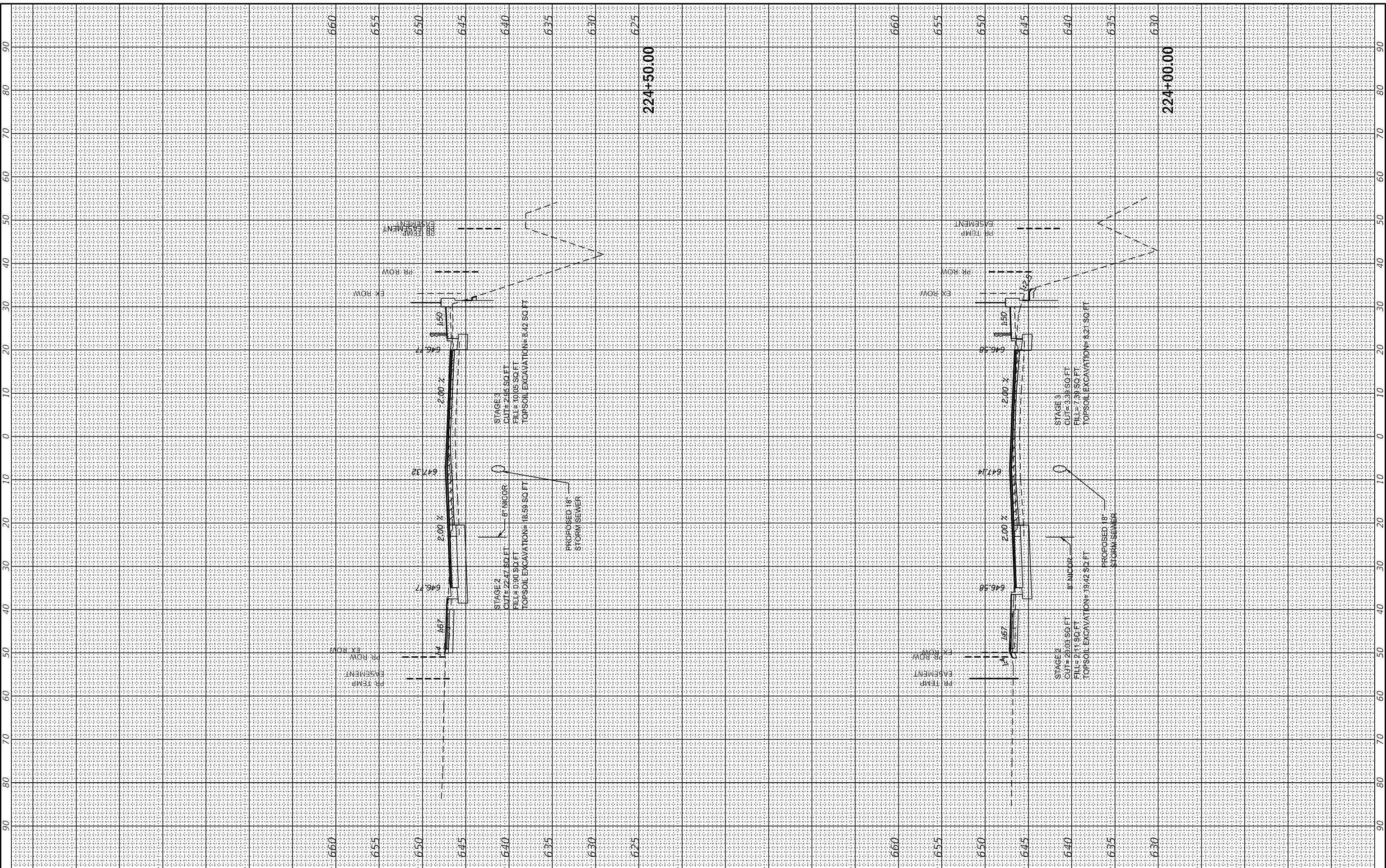
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	372
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: XS\_SHEET\_20  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-XX EstAve.cad



USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 +/- in.
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XX  
 EAST AVENUE (55TH ST TO JOLIET RD)**

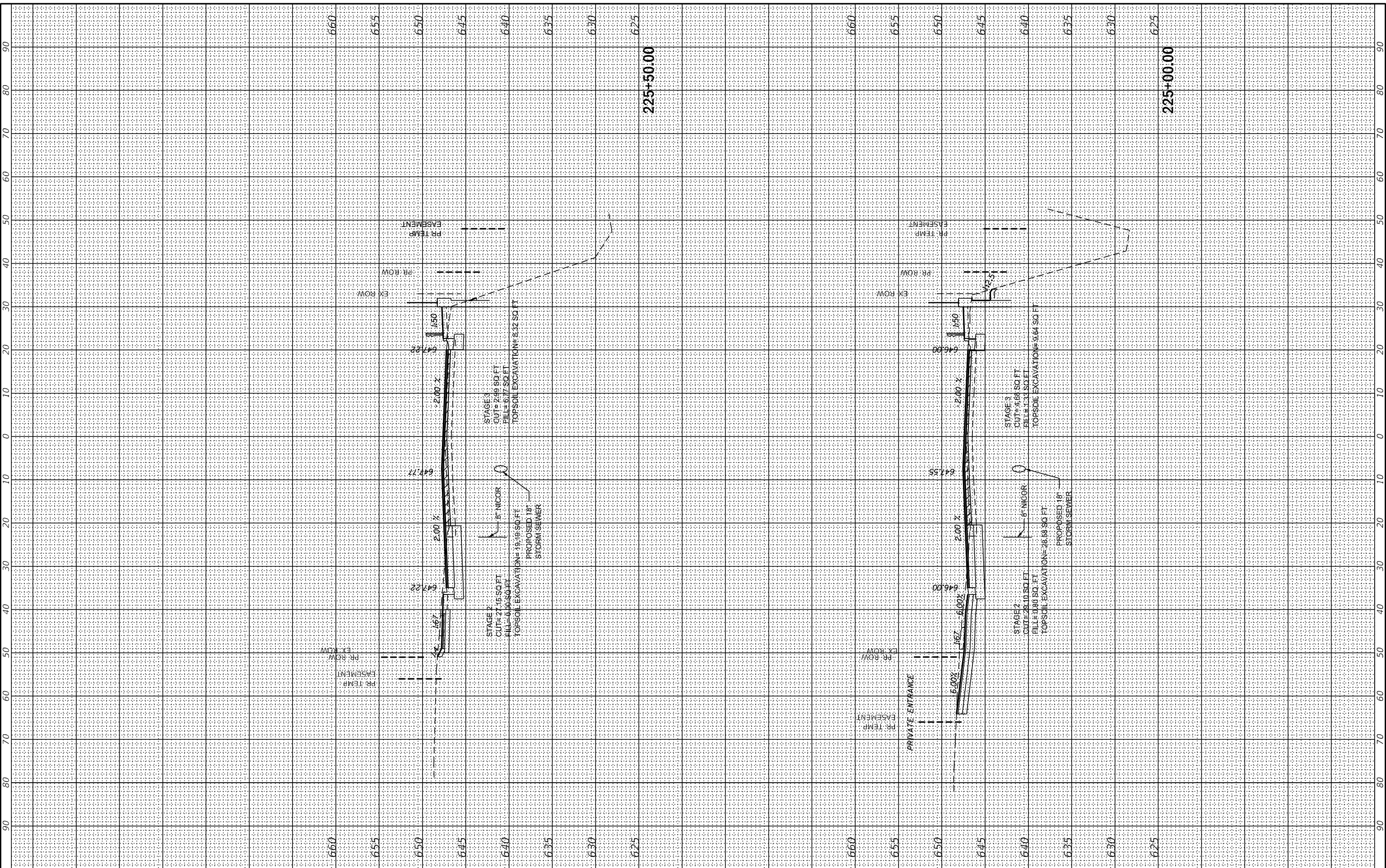
SCALE: SHEET OF SHEETS STA. 224+00.00 TO STA. 224+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	373
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_21  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID162C25-sh-25 Est&Ac.dgn



USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,000 * 1/ in.
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXI  
 EAST AVENUE (55TH ST TO JOLIET RD)**

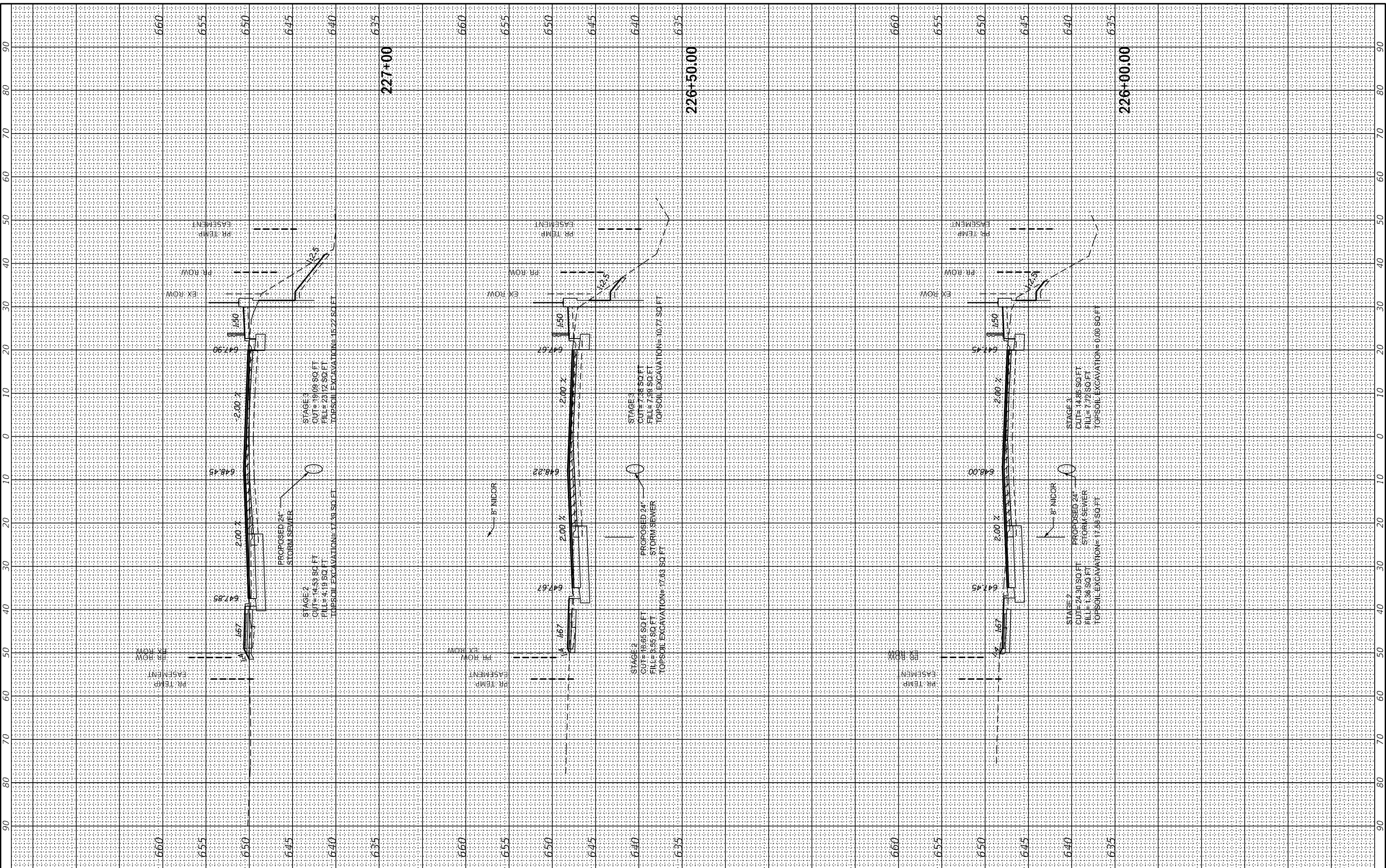
SCALE: SHEET OF SHEETS STA. 225+00.00 TO STA. 225+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	374
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_22  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-25 EstAve.cad



USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

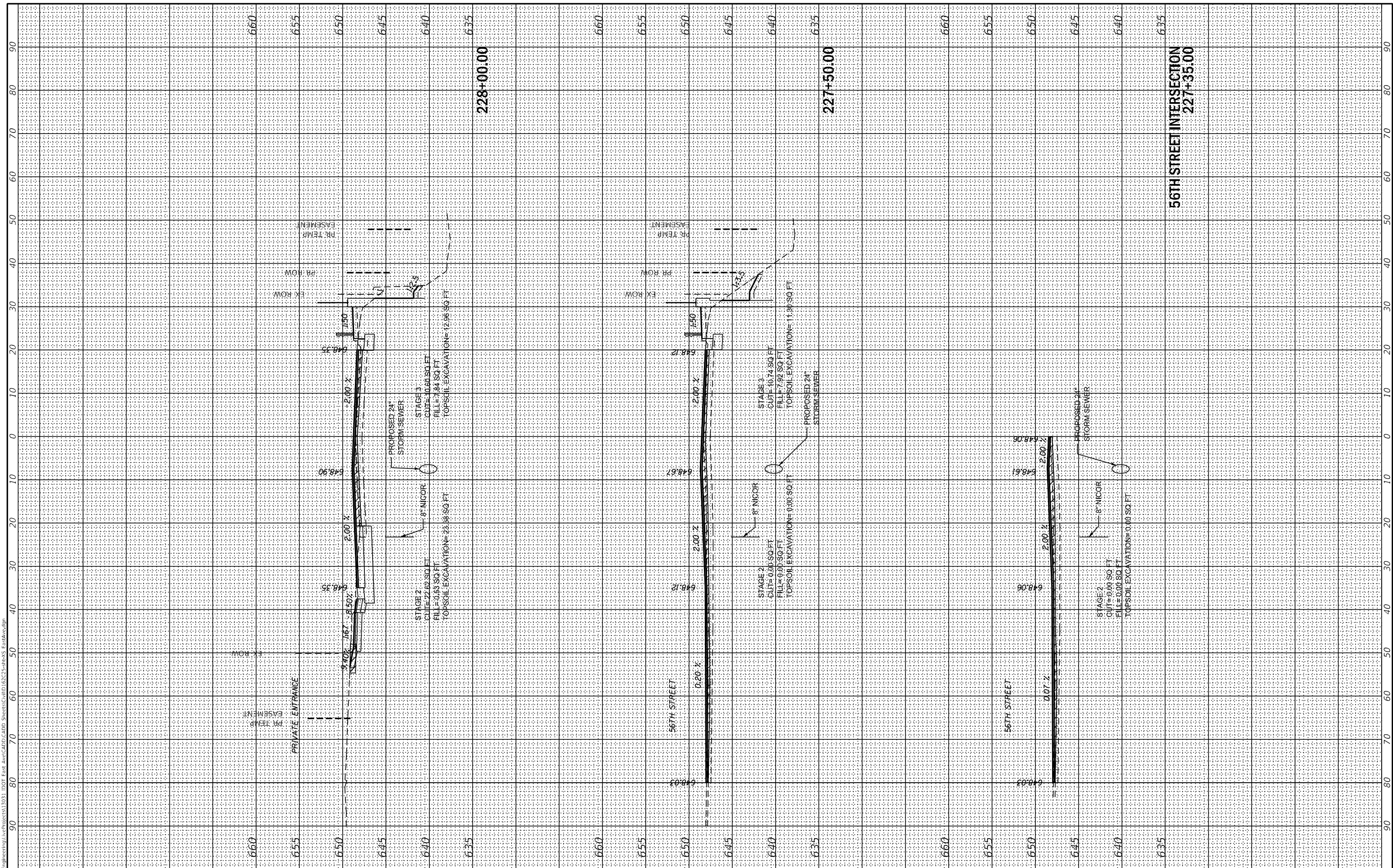
SCALE: SHEET OF SHEETS STA. 226+00.00 TO STA. 226+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	375
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_23  
 FILE NAME: G:\engineering\live\projects\13031 IDOT East Ave\CADD\CADD\_Sheets\Civil\162C25-sh-05 Est&Ac.dgn



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXIII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

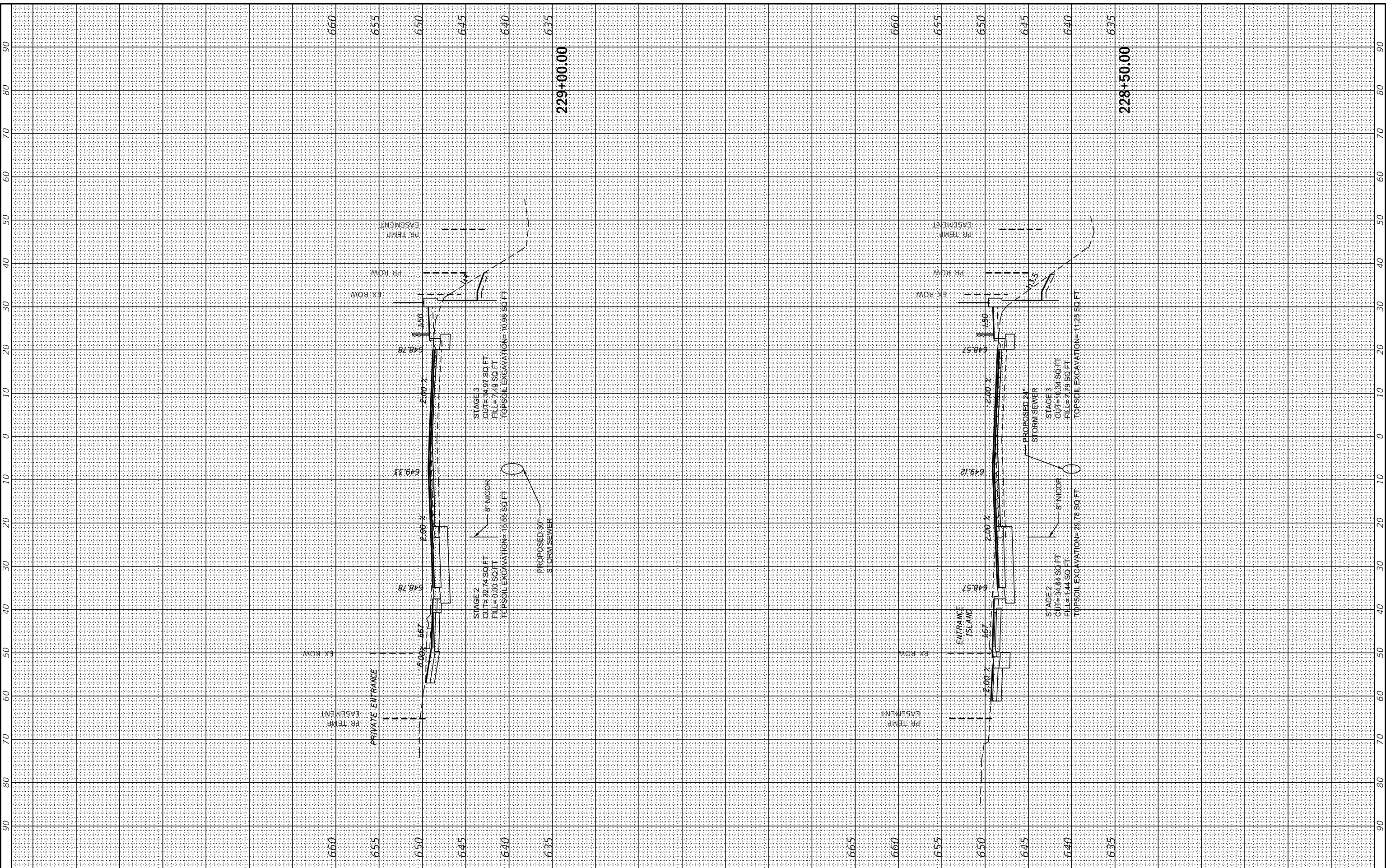
SCALE: SHEET OF SHEETS STA. 227+35.00 TO STA. 228+00.00

F.A. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 376
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: X5\_SHEET\_24  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\6225-sh-X5\_EstAve.dgn



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,000' +/- in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXIV  
 EAST AVENUE (55TH ST TO JOLIET RD)**

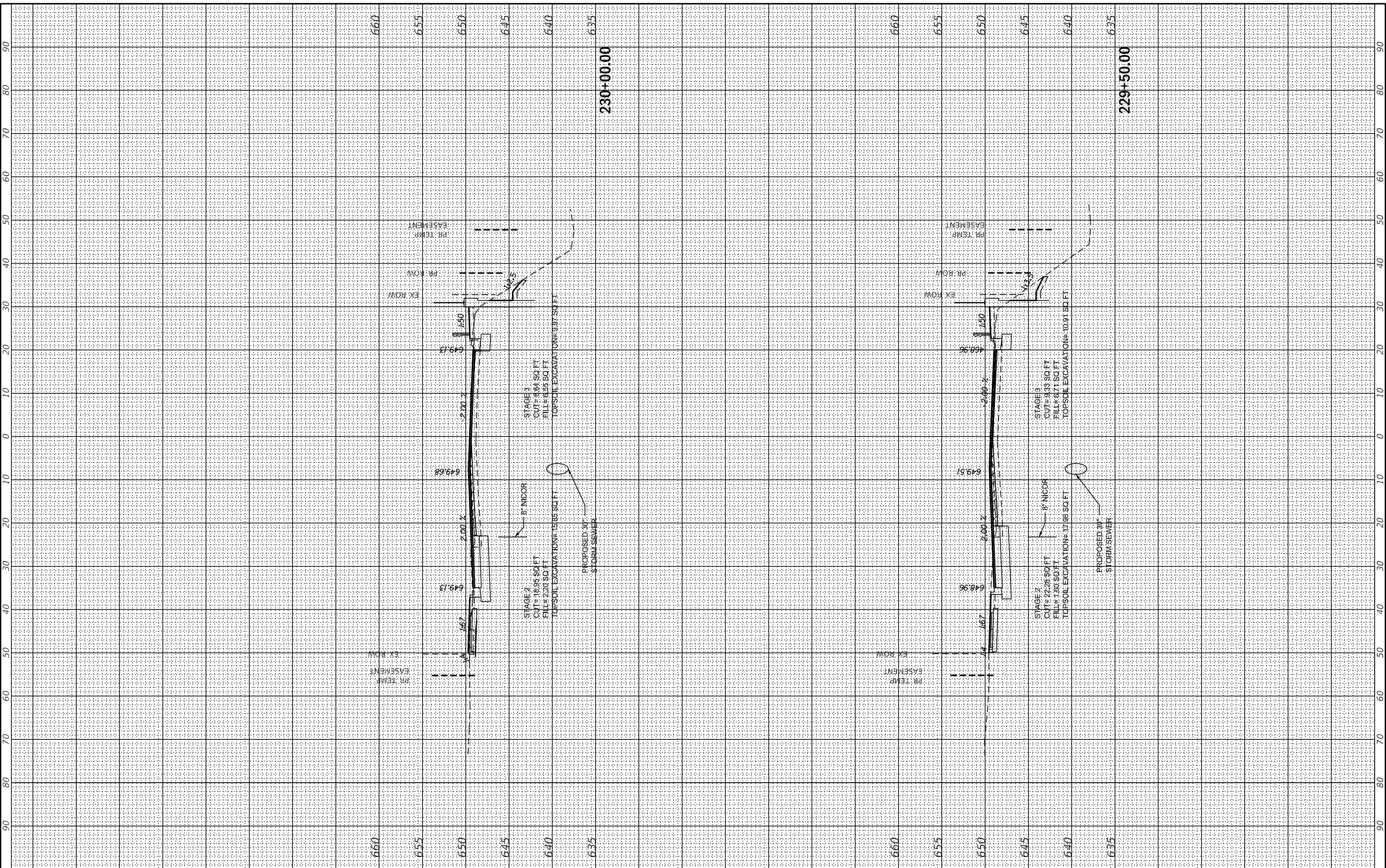
SCALE: SHEET OF SHEETS STA. 228+50.00 TO STA. 229+00.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 377
CONTRACT NO. 62C25				ILLINOIS FED. AID PROJECT

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

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

MODEL: X5\_SHEET\_23  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID16225-sh-X5\_EstAve.dgn



USER NAME	= jscumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXV  
 EAST AVENUE (55TH ST TO JOLIET RD)**

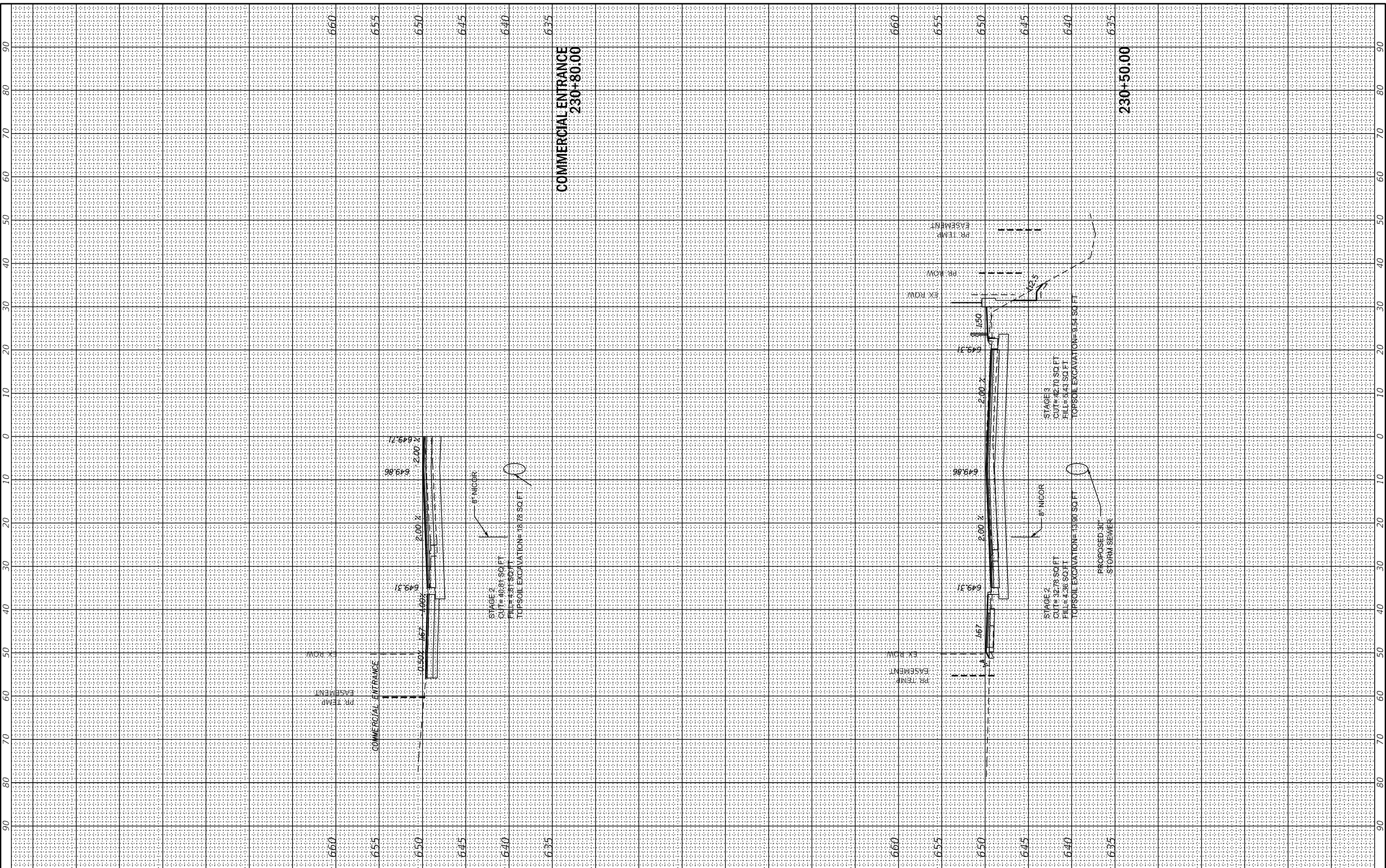
SCALE: SHEET OF SHEETS STA. 229+50.00 TO STA. 230+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	378
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	

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

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

MODEL: XS\_SHEET\_26  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-45 EstAve.cgr



USER NAME	= jshumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLT DATE	= 8/5/2021

REVISD	-
REVISD	-
REVISD	-
REVISD	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 230+50.00	TO STA. 230+80.00
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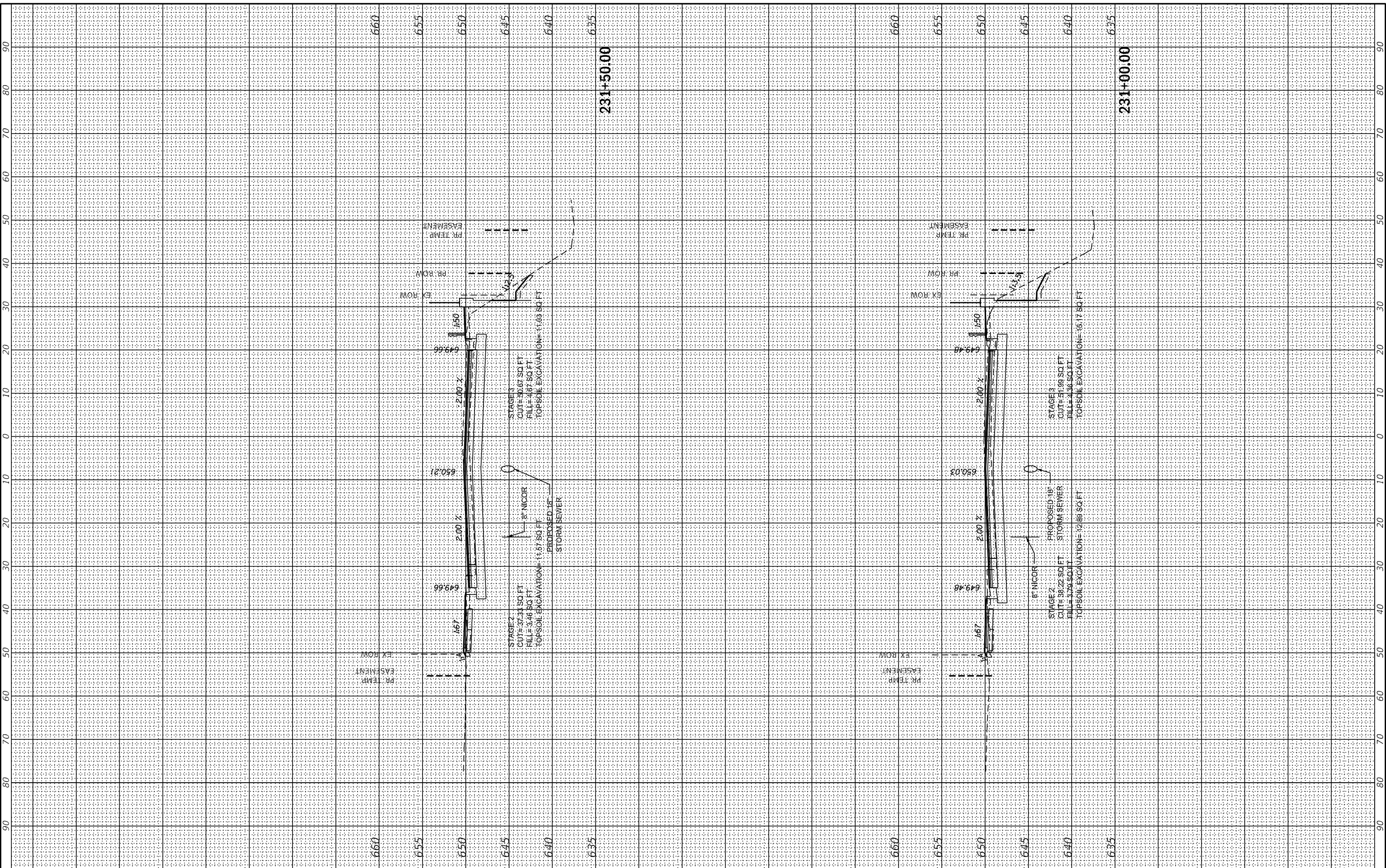
**EAST AVE CROSS SECTIONS - XXVI  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	379
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: X5\_SHEET 27  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\6225-sh-X5\_EstAve.cgr



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 231+00.00	TO STA. 231+50.00
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**EAST AVE CROSS SECTIONS - XXVII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

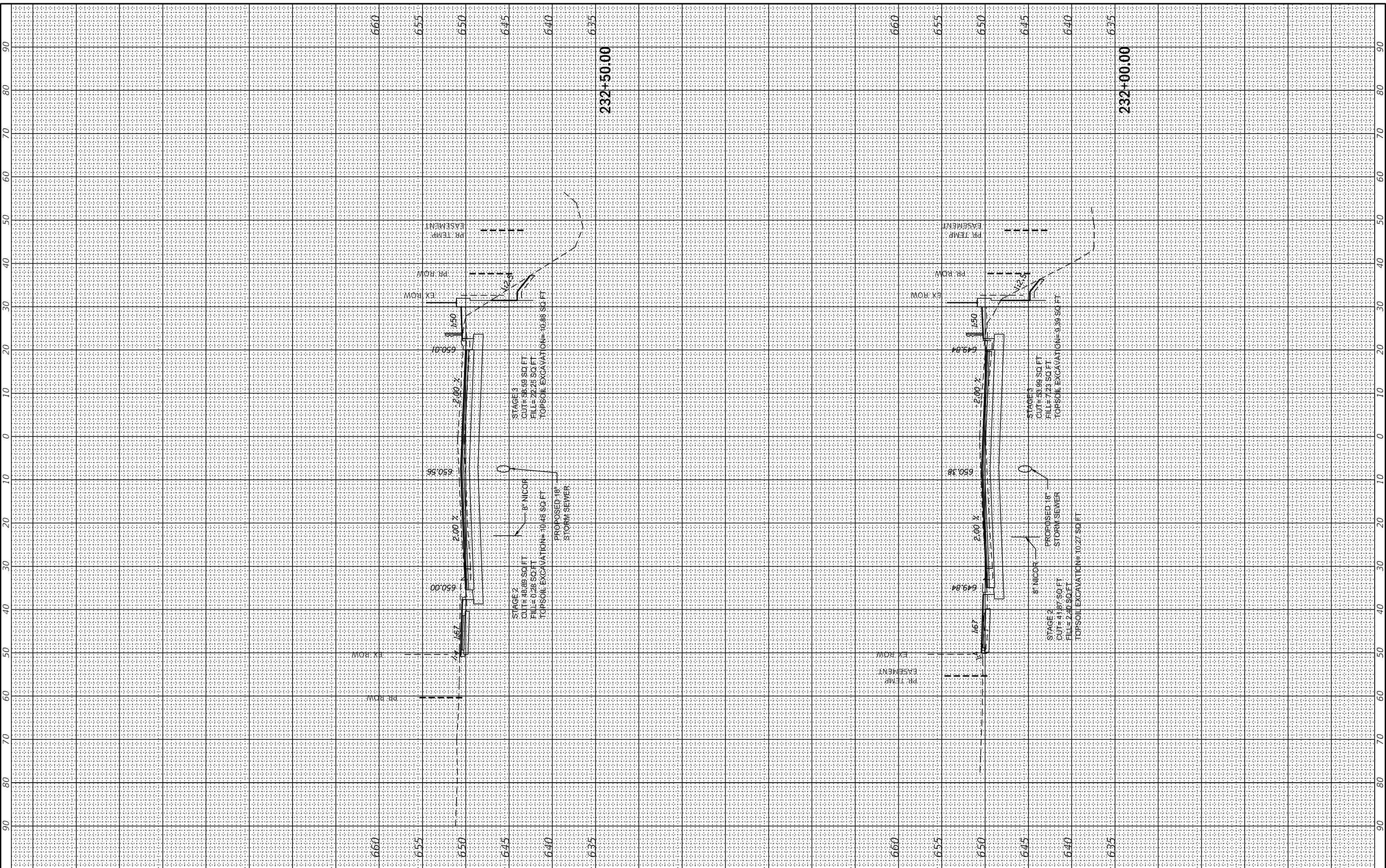
F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 380
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	



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

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

MODEL: X5\_SHEET\_28  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CAD\CADD\_Sheets\CADD\_Sheets\13031-28-X5\_EstAve.cad



USER NAME	= jshumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 232+00.00	TO STA. 232+50.00
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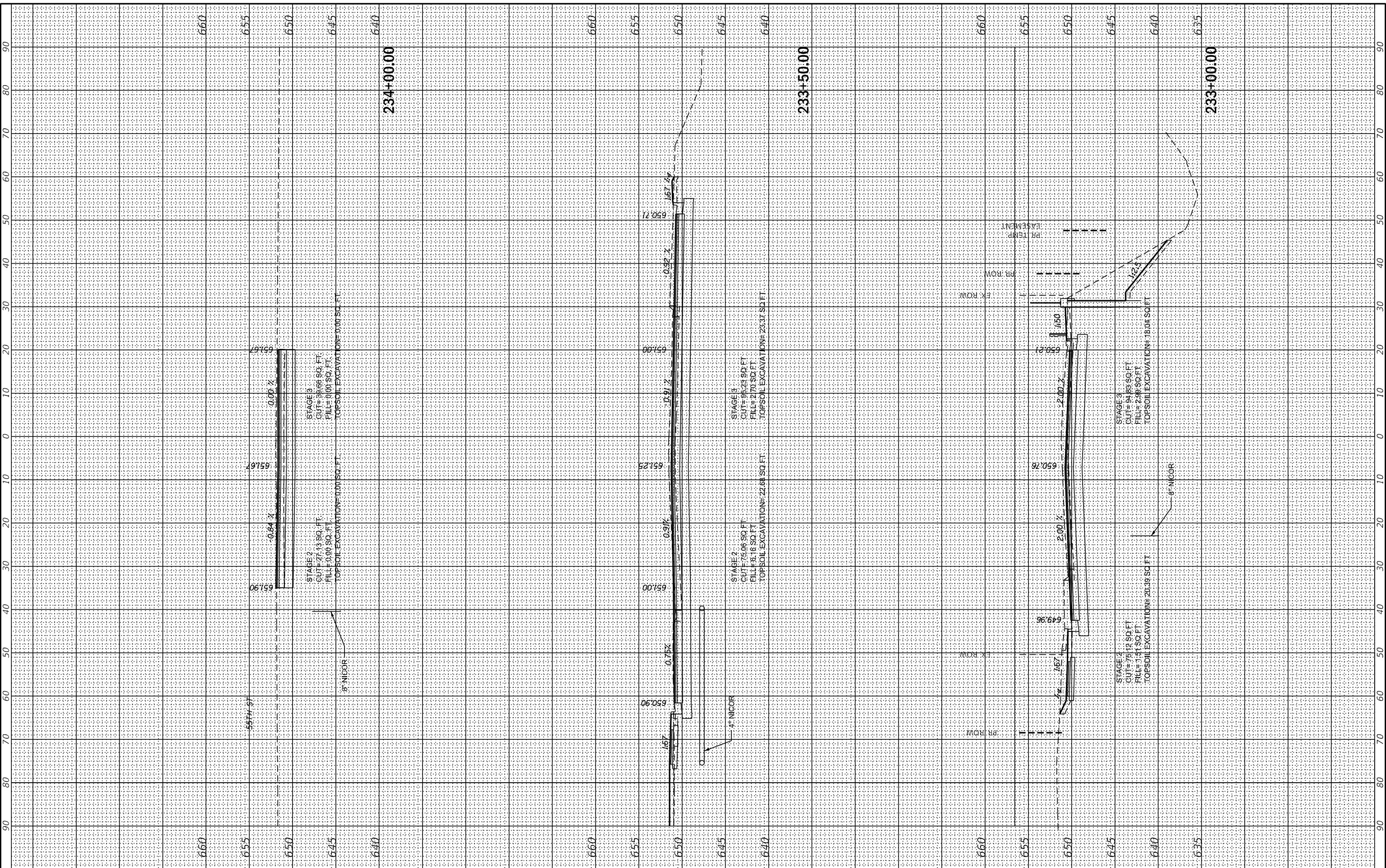
**EAST AVE CROSS SECTIONS - XXVIII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	381
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: X5\_SHEET\_29  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-X5\_EstAve.cgr



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXIX  
 EAST AVENUE (55TH ST TO JOLIET RD)**

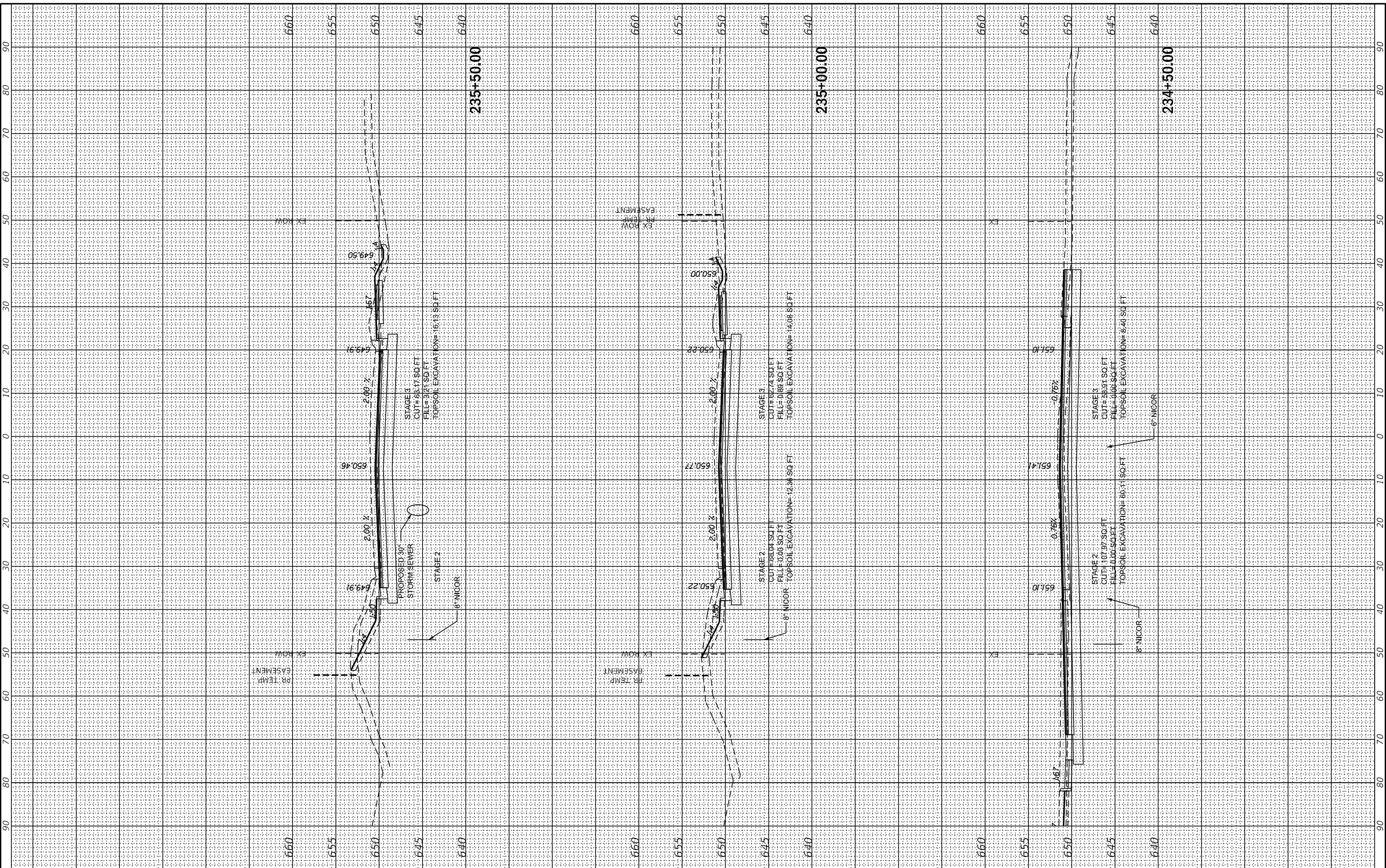
SCALE: SHEET OF SHEETS STA. 233+00.00 TO STA. 234+00.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 382
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62C25

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

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

MODEL: X5\_SHEET\_30  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID16225-sh-X5\_EstAve.cgr



USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 234+50.00	TO STA. 235+50.00
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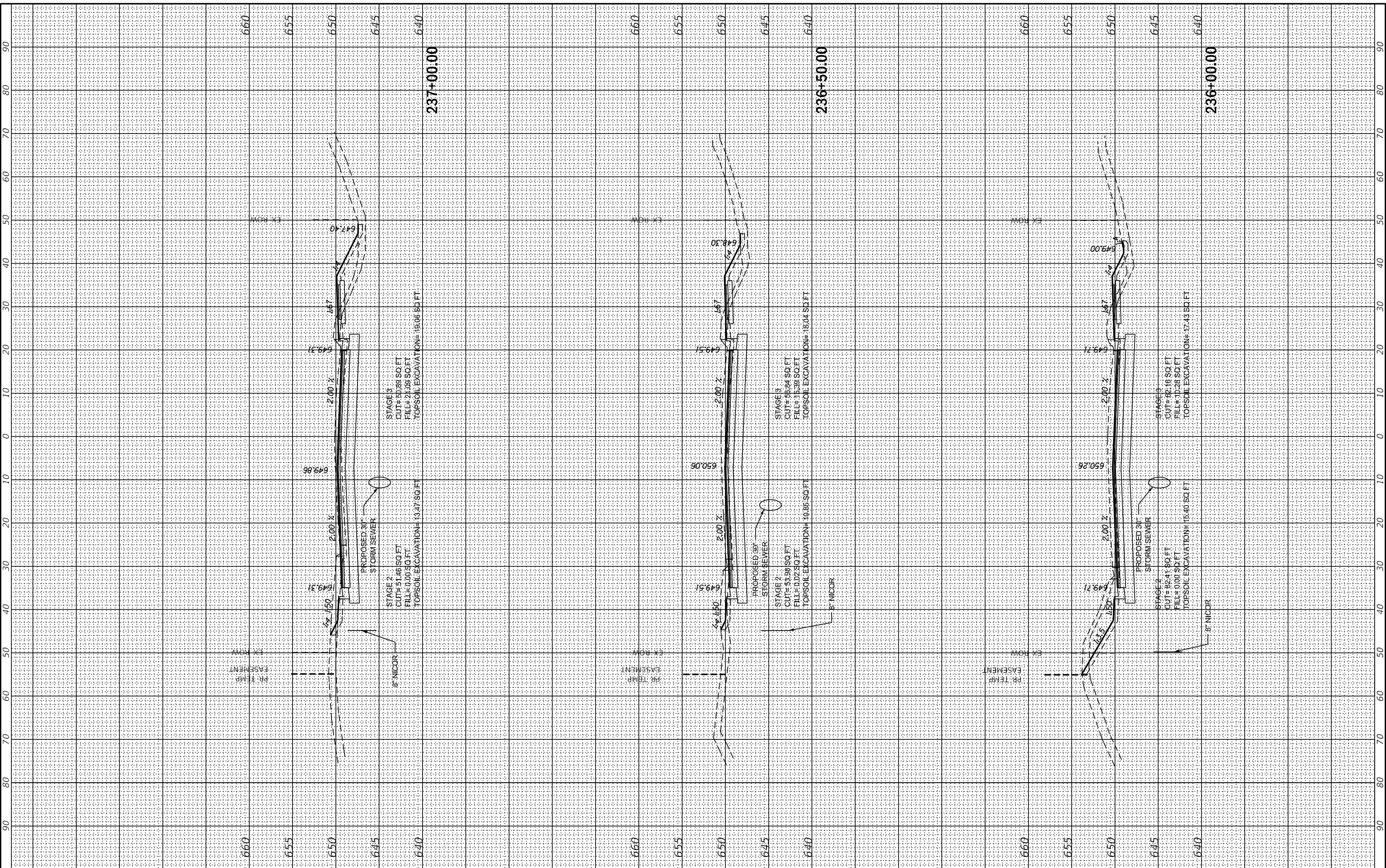
**EAST AVE CROSS SECTIONS - XXX  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	383
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_31  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID16225-sh-XS\_EstAve.cgm



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXXI  
 EAST AVENUE (55TH ST TO JOLIET RD)**

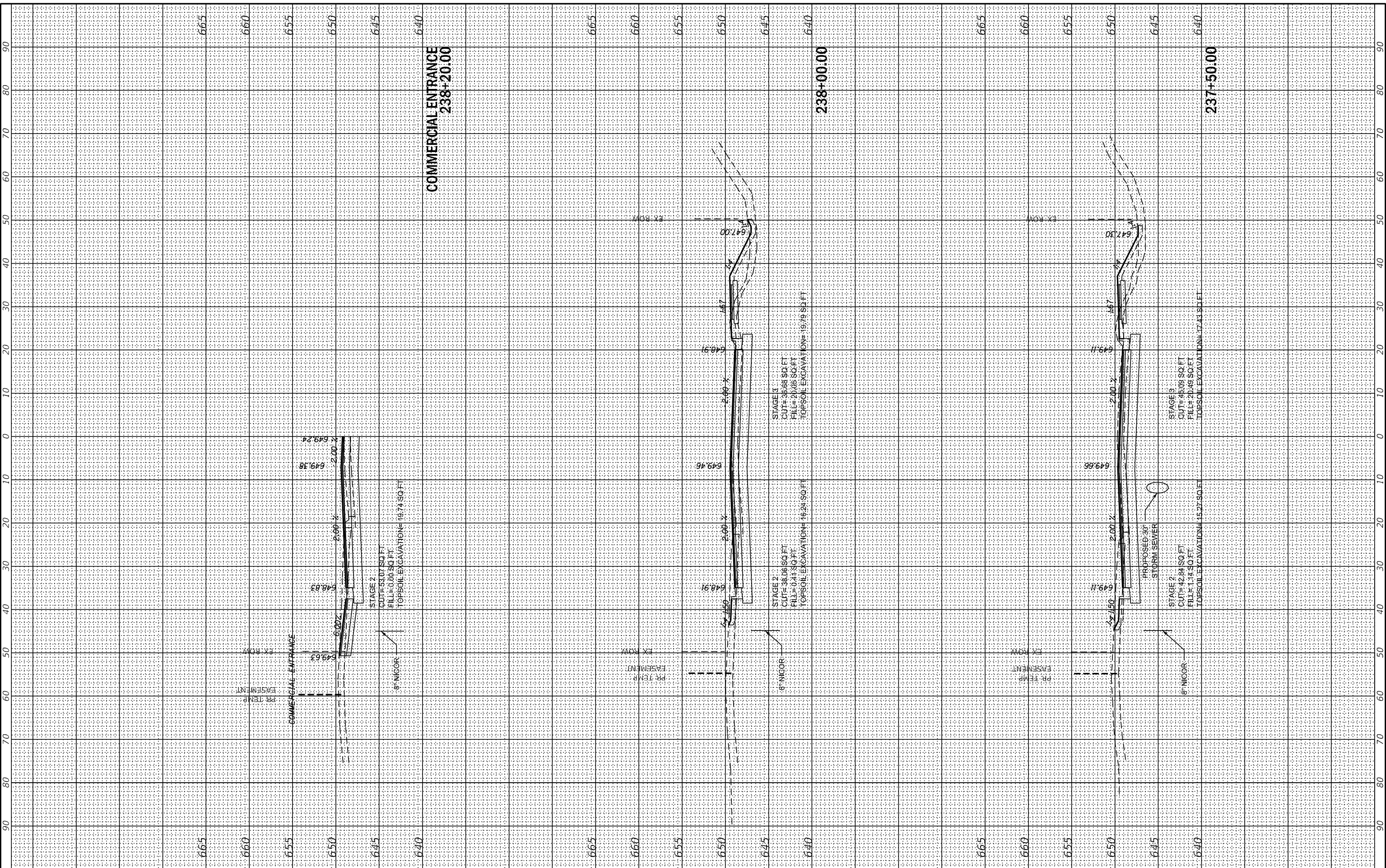
SCALE: SHEET OF SHEETS STA. 236+00.00 TO STA. 237+00.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 384
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: XS\_SHEET\_23  
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USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXXII  
EAST AVENUE (55TH ST TO JOLIET RD)**

SCALE: SHEET OF SHEETS STA. 237+50.00 TO STA. 238+20.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 385
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: XS\_SHEET\_33  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\Civil\162C25-33-XS\_EstAve.dgn



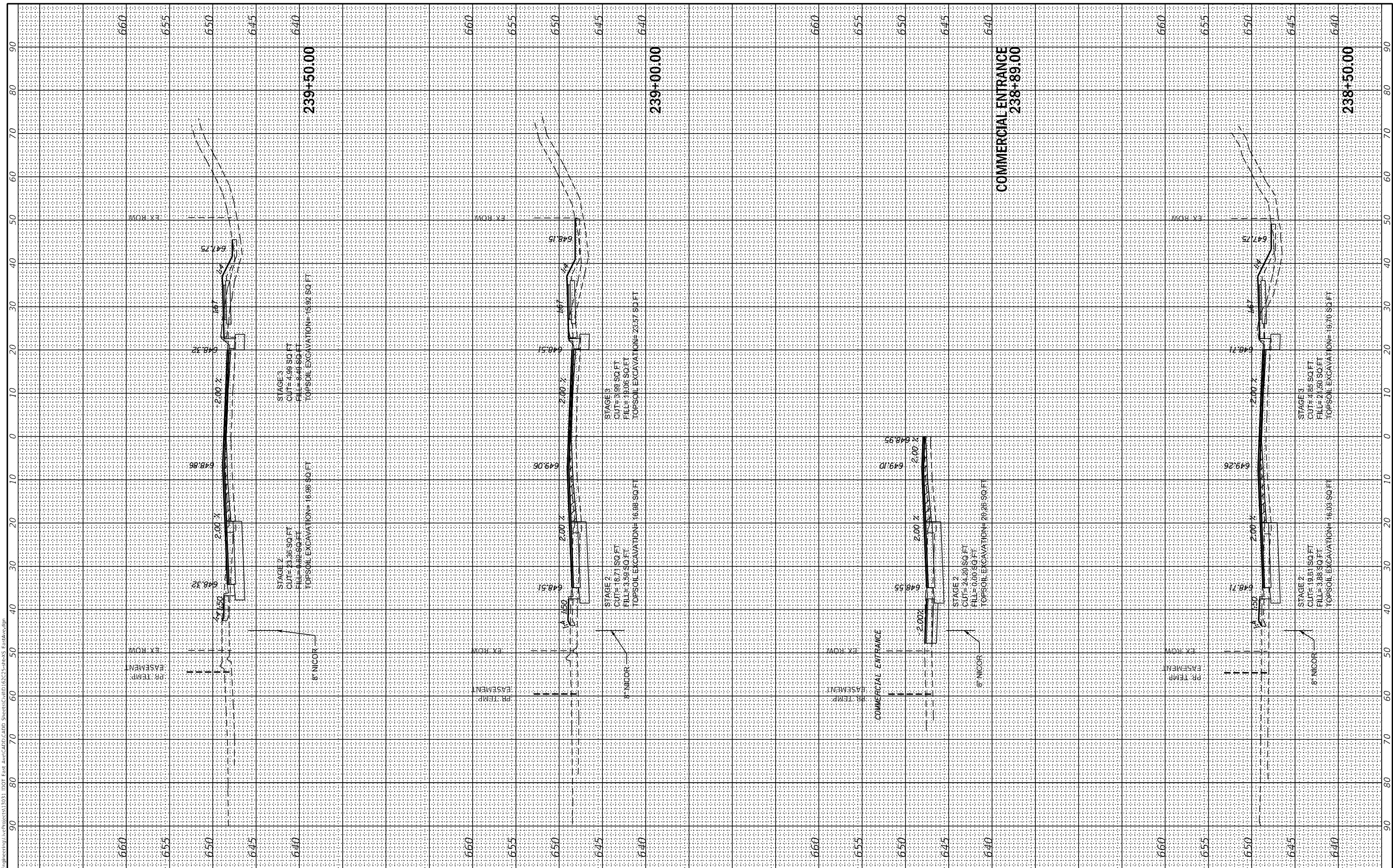
USER NAME	= jsumann
DESIGNED	- MN
DRAWN	- MN
PLLOT SCALE	= 20.0000 * / in.
CHECKED	- TGM
PLLOT DATE	= 05/2021
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXIII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

SCALE: SHEET OF SHEETS STA. 238+50.00 TO STA. 239+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	386
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	



**239+50.00**

**239+00.00**

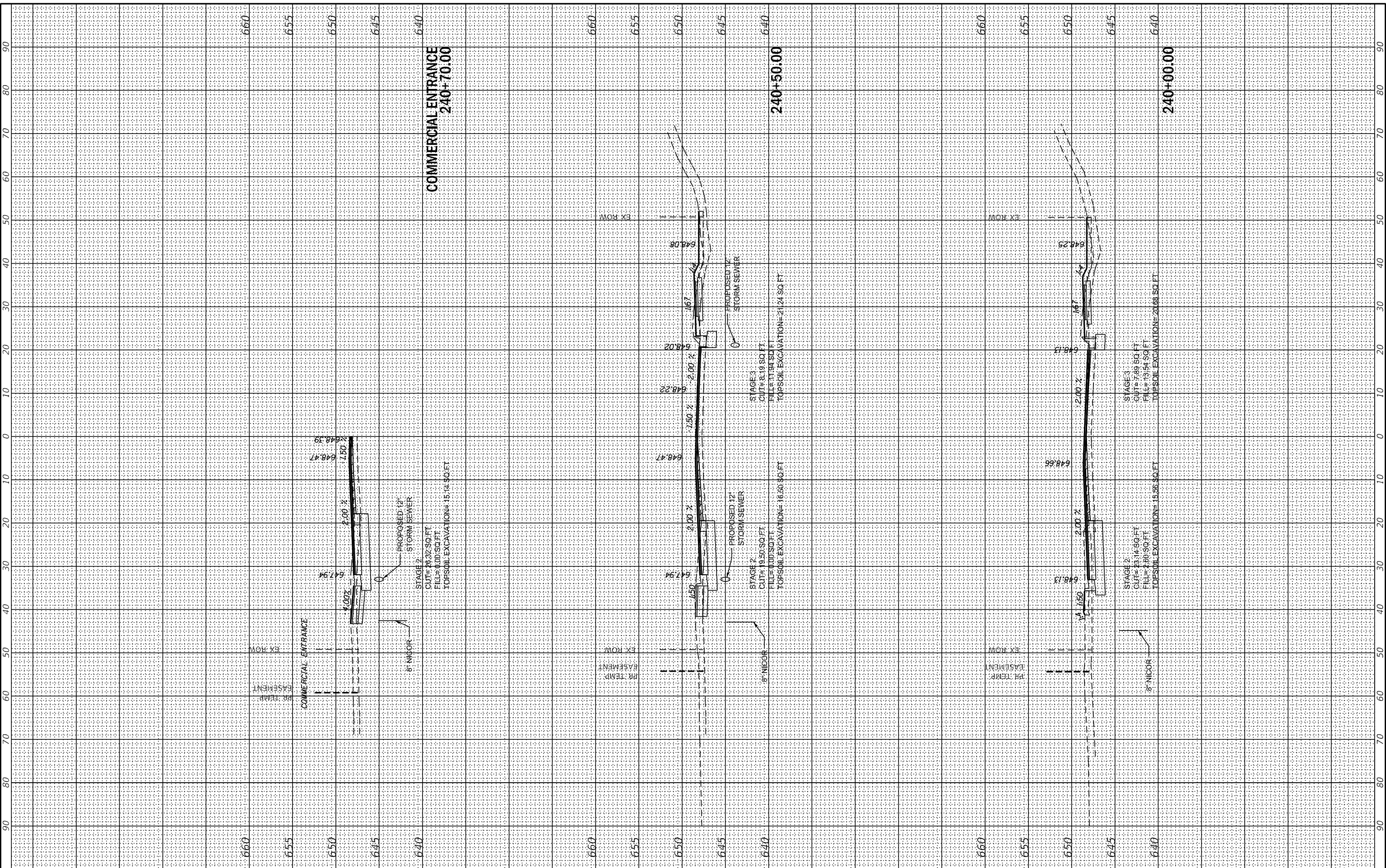
**COMMERCIAL ENTRANCE  
 238+89.00**

**238+50.00**

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

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

MODEL: XS\_SHEET\_34  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID162C25-sh-45 EstAve.cgr



USER NAME	= jschumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021
CHECKED	- TGM
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

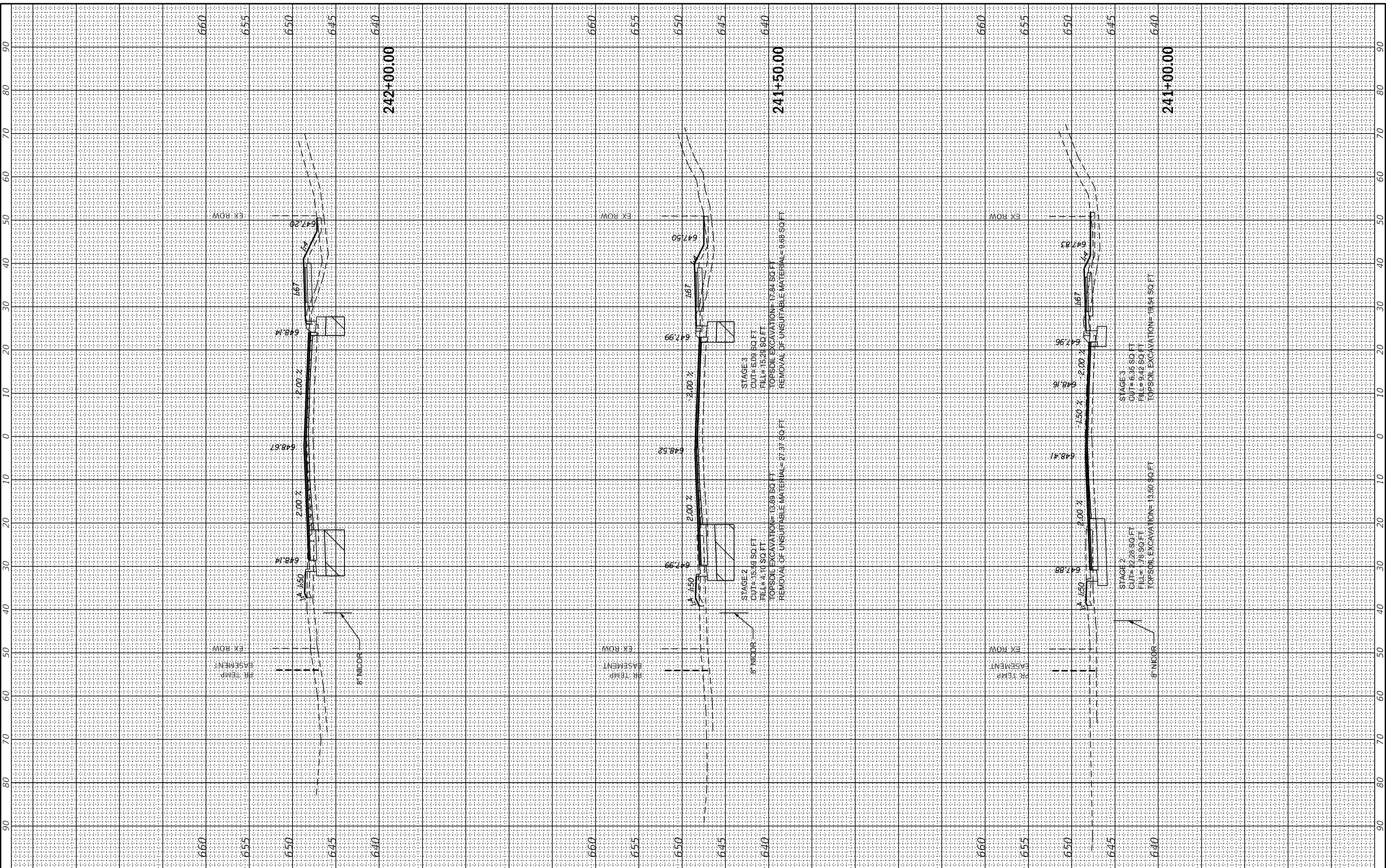
<b>EAST AVE CROSS SECTIONS - XXIV</b>			
<b>EAST AVENUE (55TH ST TO JOLIET RD)</b>			
SCALE:	SHEET	OF SHEETS	STA. 240+00.00 TO STA. 240+70.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	387
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_35  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-45 EstAve.cgm



USER NAME	= jscumann
DESIGNED	- MN
DRAWN	- MN
PLLOT SCALE	= 20.0000 * / in.
PLLOT DATE	= 8/5/2021

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 241+00.00	TO STA. 242+00.00
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**EAST AVE CROSS SECTIONS - XXXV  
 EAST AVENUE (55TH ST TO JOLIET RD)**

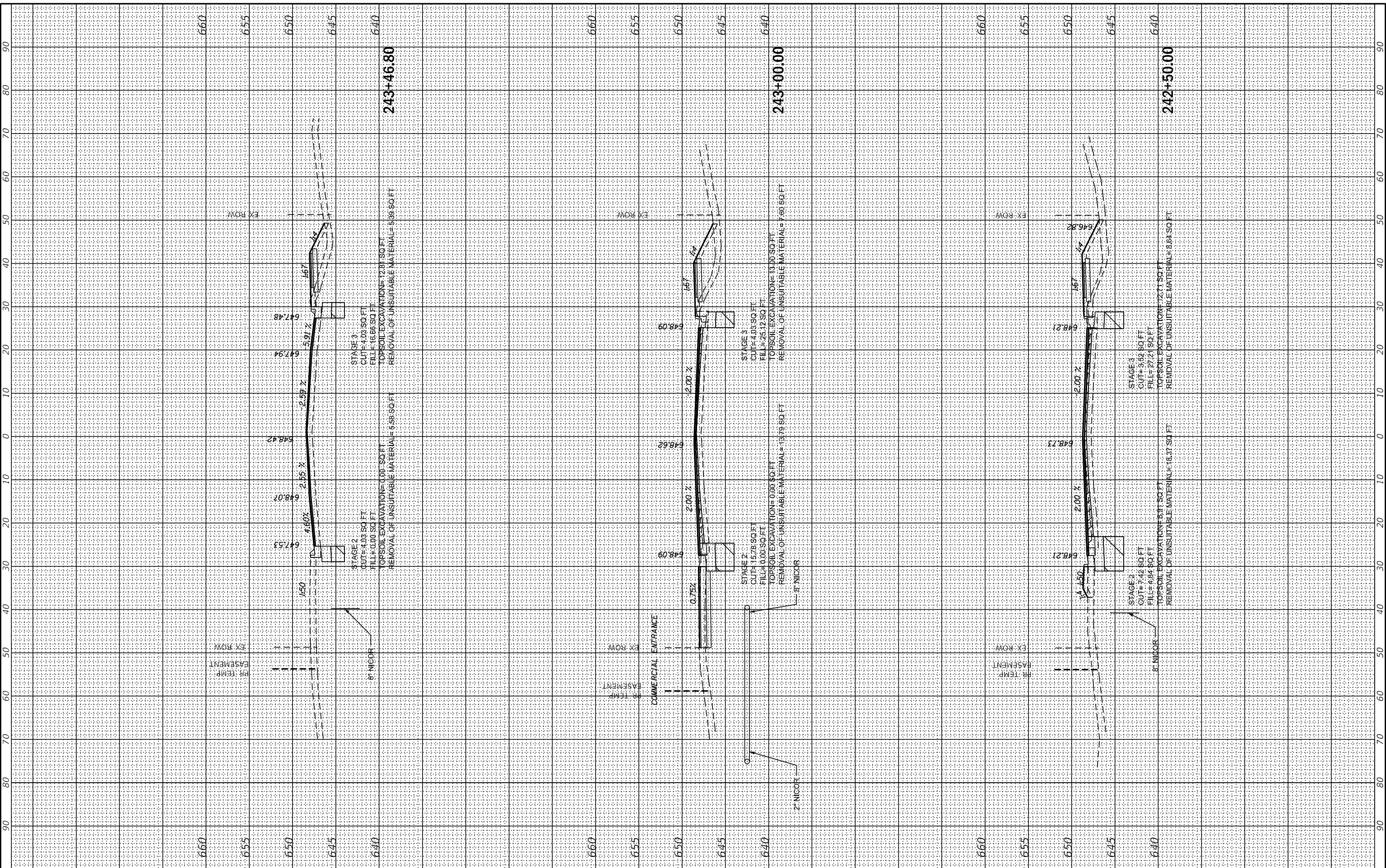
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	388
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: X5\_SHEET\_36  
 FILE NAME: G:\Engineering\live\Projects\13031\_IDOT\_East\_Ave\CADD\CADD\_Sheets\CouID\62C25-sh-X5\_EstAve.dgn



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EAST AVE CROSS SECTIONS - XXXVI  
 EAST AVENUE (55TH ST TO JOLIET RD)**

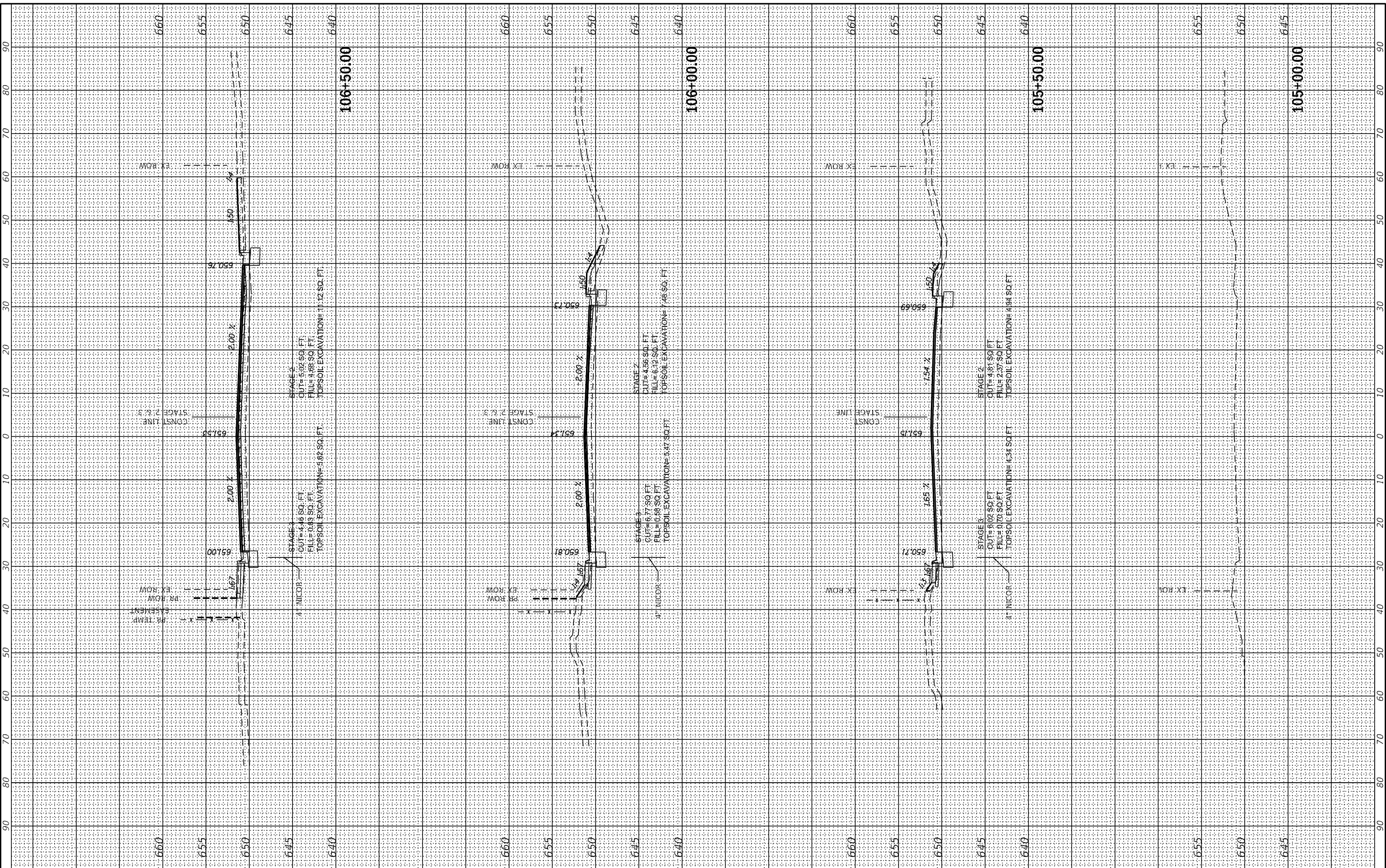
SCALE: SHEET OF SHEETS STA. 242+50.00 TO STA. 243+46.80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	389
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: XS\_SHEET\_1  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CAD\2D\CADD\_Sheets\CADD162C25-sh-XS.dwg



USER NAME	= jscumann
DESIGNED	- MN
DRAWN	- MN
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	1"=10'			
SHEET	OF	SHEETS	STA. 105+00.00	TO STA. 106+50.00

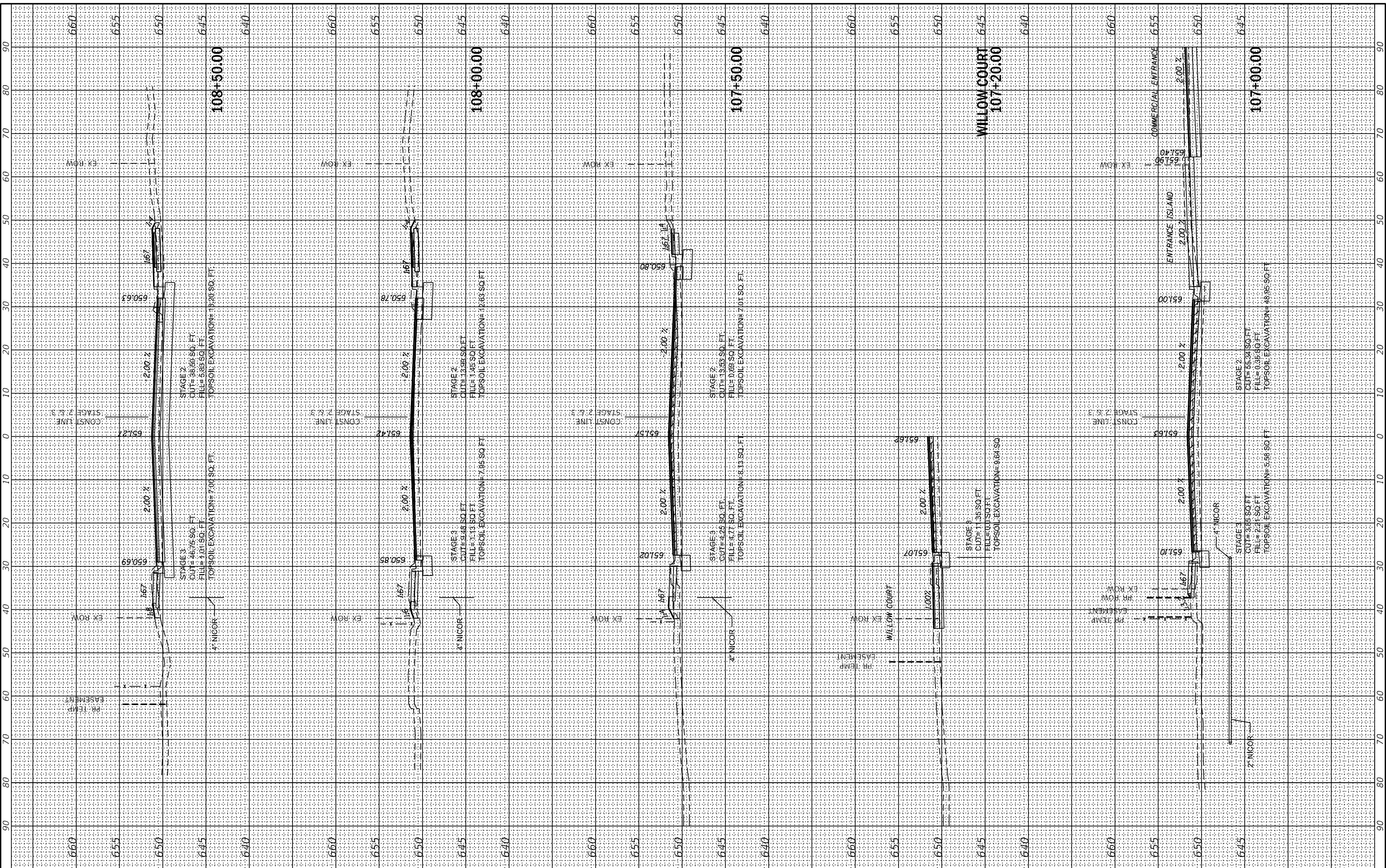
**JOLIET RD CROSS SECTIONS - I  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	390
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: X5\_SHEET\_2  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-X5\_Bldg.dwg



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20.0000" / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'	
SHEET	OF SHEETS
STA. 107+00.00	TO STA. 108+50.00

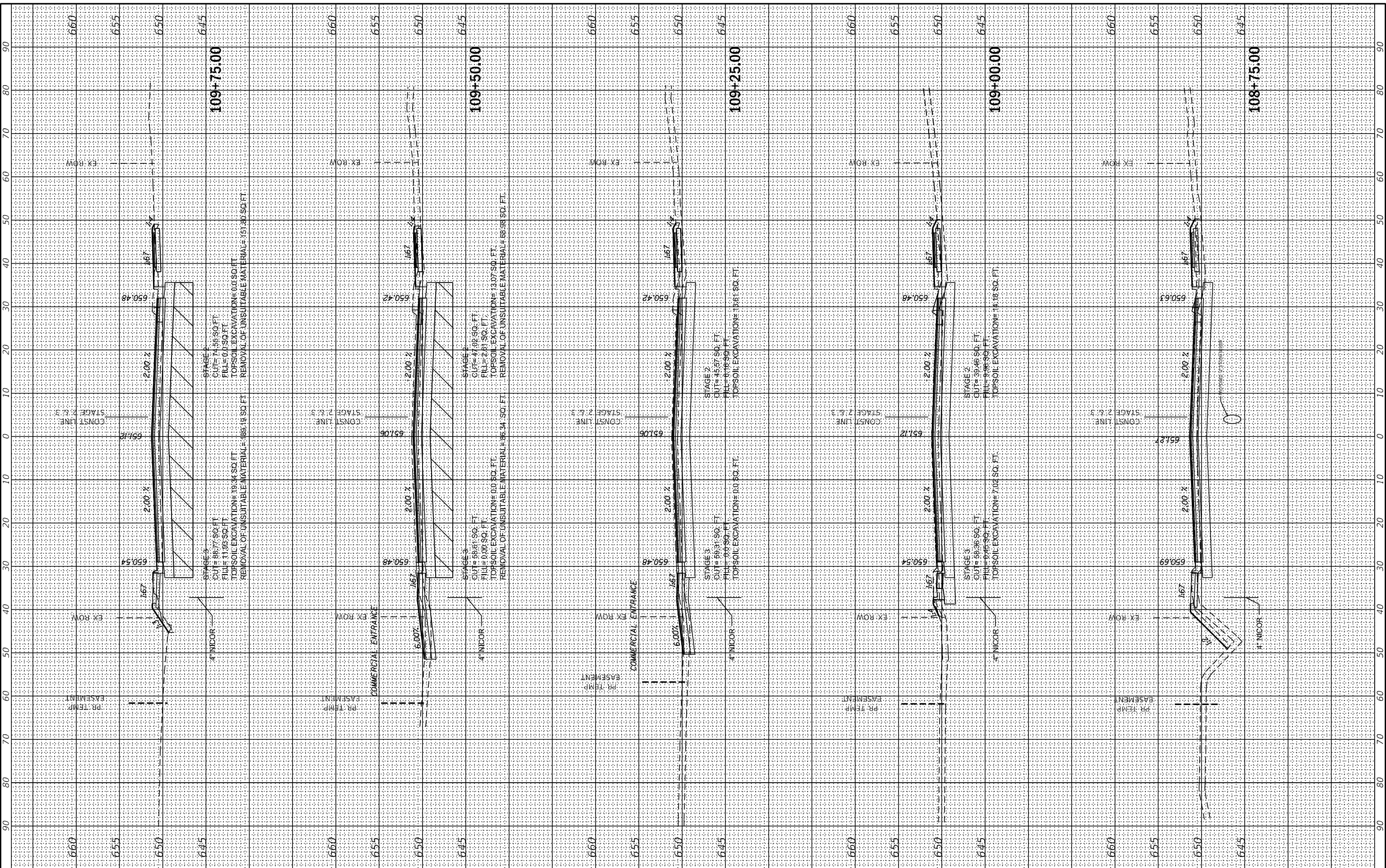
**JOLIET RD CROSS SECTIONS - II  
EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 391
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: XS\_SHEET\_3  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\Civil\162C25-sh-25\_bldg.dwg



USER NAME = jscumann
DESIGNED - MN
DRAWN - MN
PLLOT SCALE = 20,0000' / in.
CHECKED - TGM
DATE - 09/13/2019

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**JOLIET RD CROSS SECTIONS - III  
 EAST AVENUE (55TH ST TO JOLIET RD)**

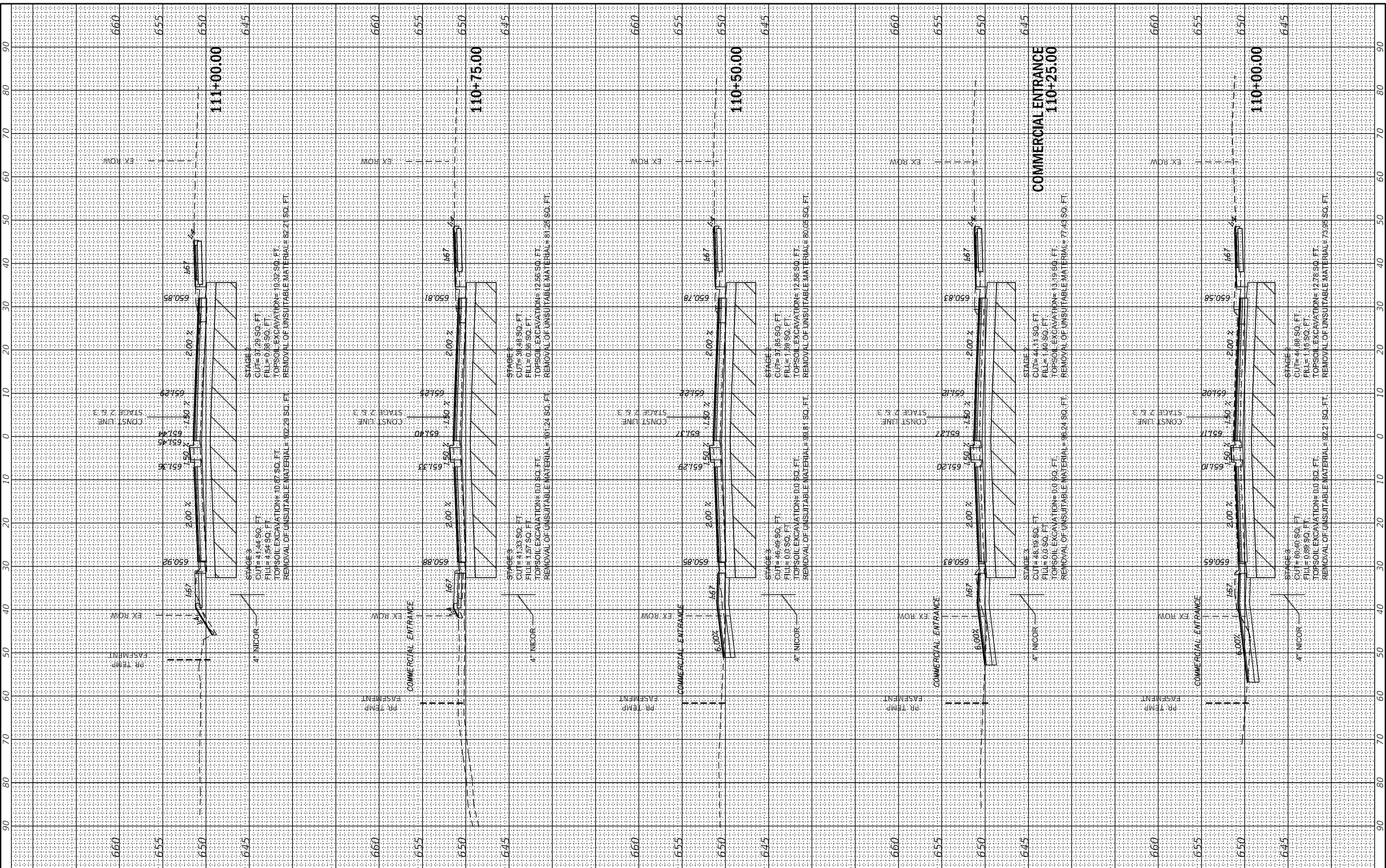
SCALE: 1"=10'  
 SHEET OF SHEETS STA. 108+75.00 TO STA. 109+75.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 392
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	

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

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

MODEL: X5\_SHEET\_4  
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USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 9/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 110+00.00	TO	STA. 111+00.00
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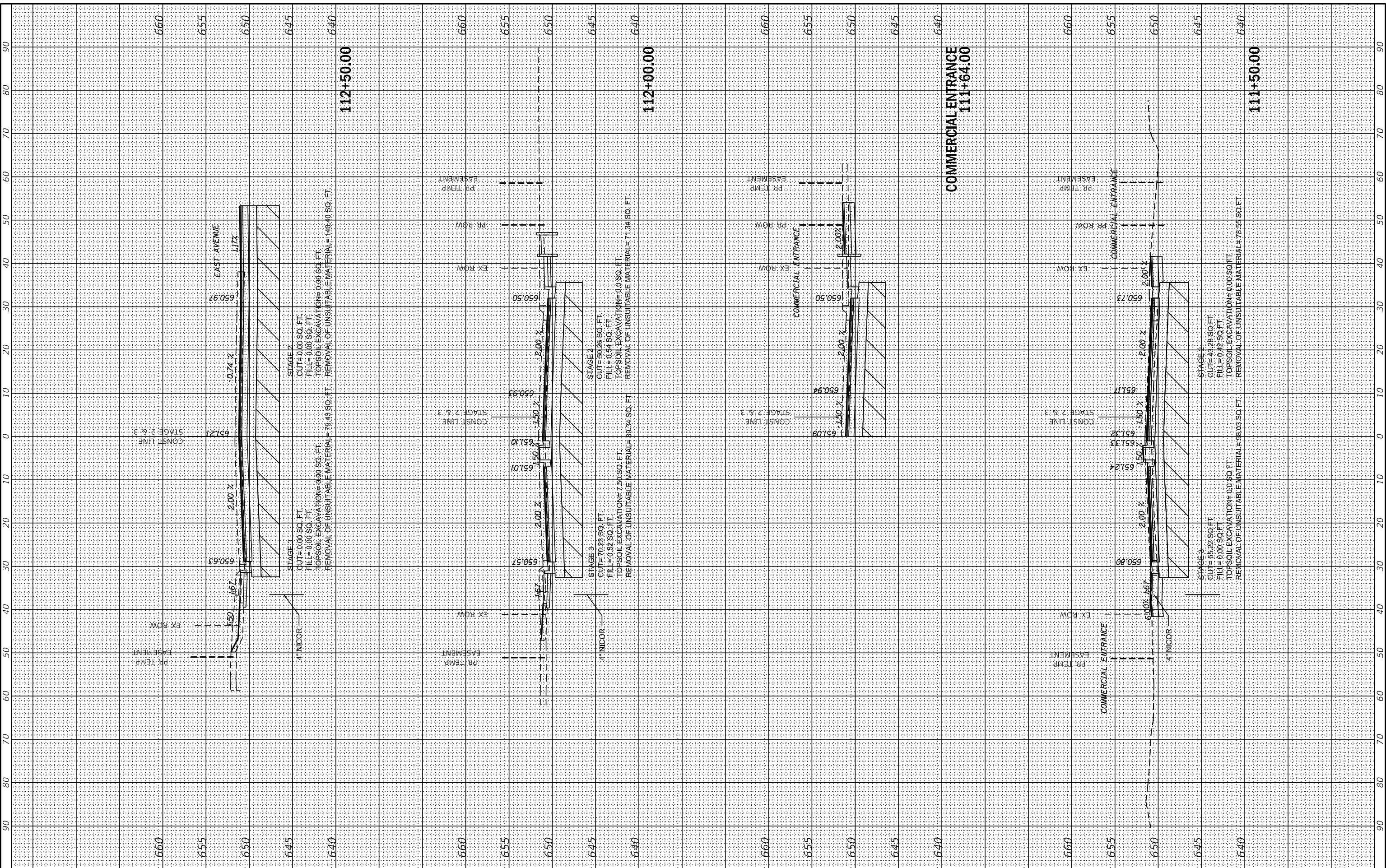
**JOLIET RD CROSS SECTIONS - IV  
EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	393
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	

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

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

MODEL: XS\_SHEET\_5  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CADD162C25-sh-XS\_bldg.dwg



USER NAME = jschumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000 * 1/in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**JOLIET RD CROSS SECTIONS - V  
EAST AVENUE (55TH ST TO JOLIET RD)**

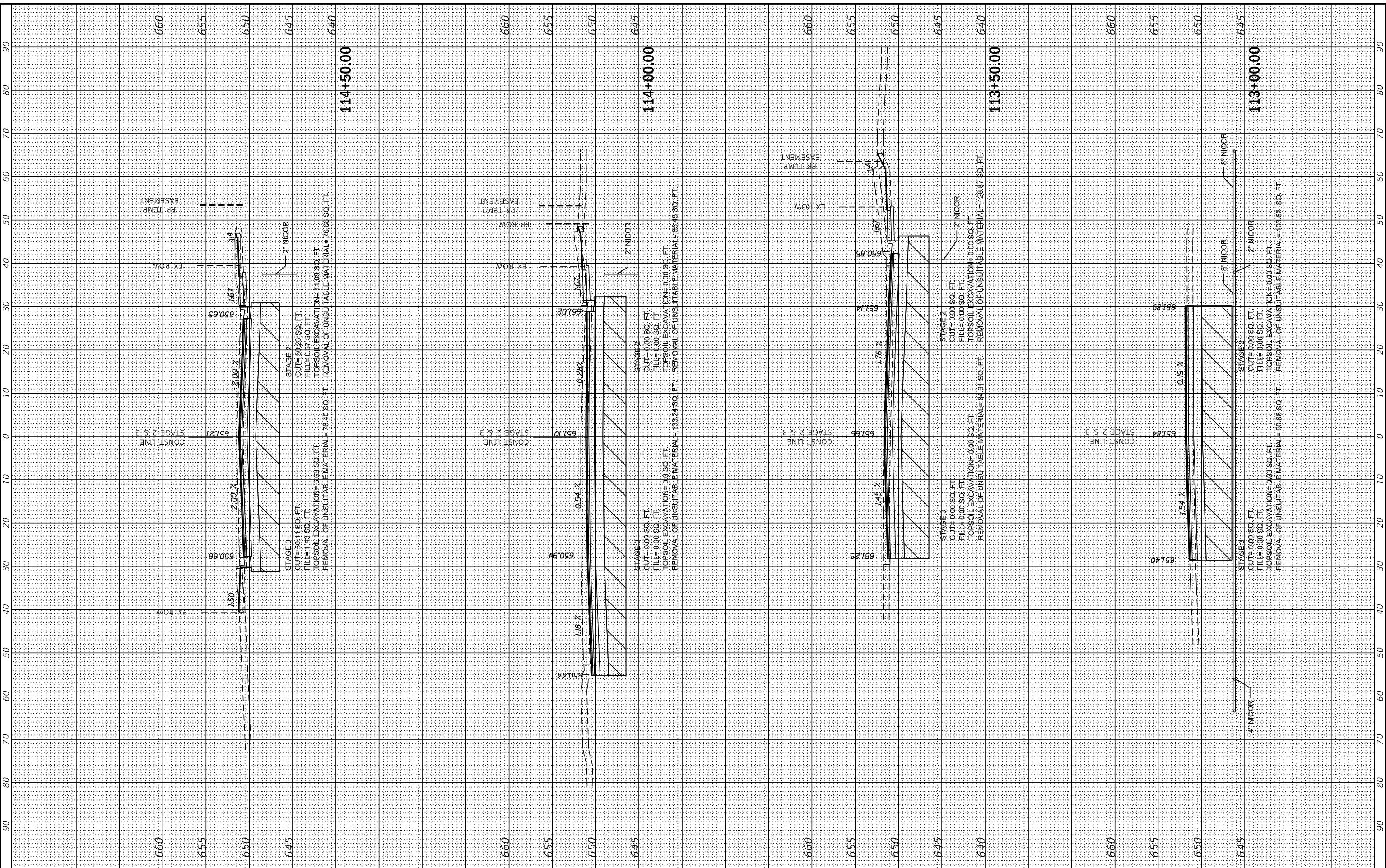
SCALE: SHEET OF SHEETS STA. 111+50.00 TO STA. 112+50.00

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 394
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: X5\_SHEET\_6  
 FILE NAME: G:\Engineering\live\Projects\13031\_IDOT\_East\_Ave\CAD\CADD\_Sheets\CADD\62C25-sh-X5\_bldg.dwg



USER NAME	= jscumann
DESIGNED	- MN
DRAWN	- MN
CHECKED	- TGM
DATE	- 09/13/2019
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 05/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**JOLIET RD CROSS SECTIONS - VI  
 EAST AVENUE (55TH ST TO JOLIET RD)**

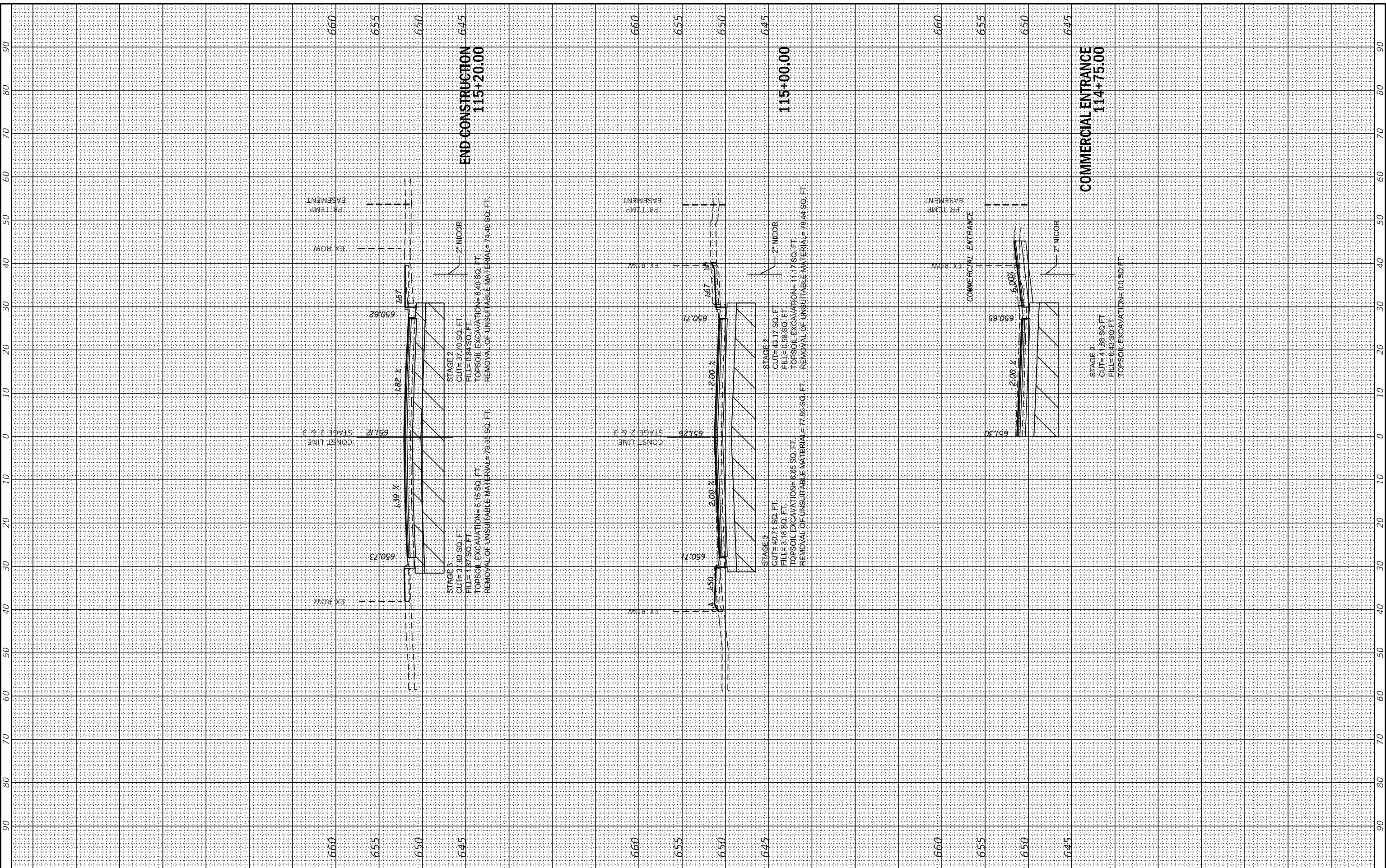
SCALE: SHEET OF SHEETS STA. 113+00.00 TO STA. 114+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	395
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME	= jscumann
DESIGNED	- MN
DRAWN	- MN
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/5/2021
CHECKED	- TGM
DATE	- 09/13/2019
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**JOLIET RD CROSS SECTIONS - VII  
 EAST AVENUE (55TH ST TO JOLIET RD)**

SCALE: SHEET OF SHEETS STA. 114+75.00 TO STA. 115+20.00

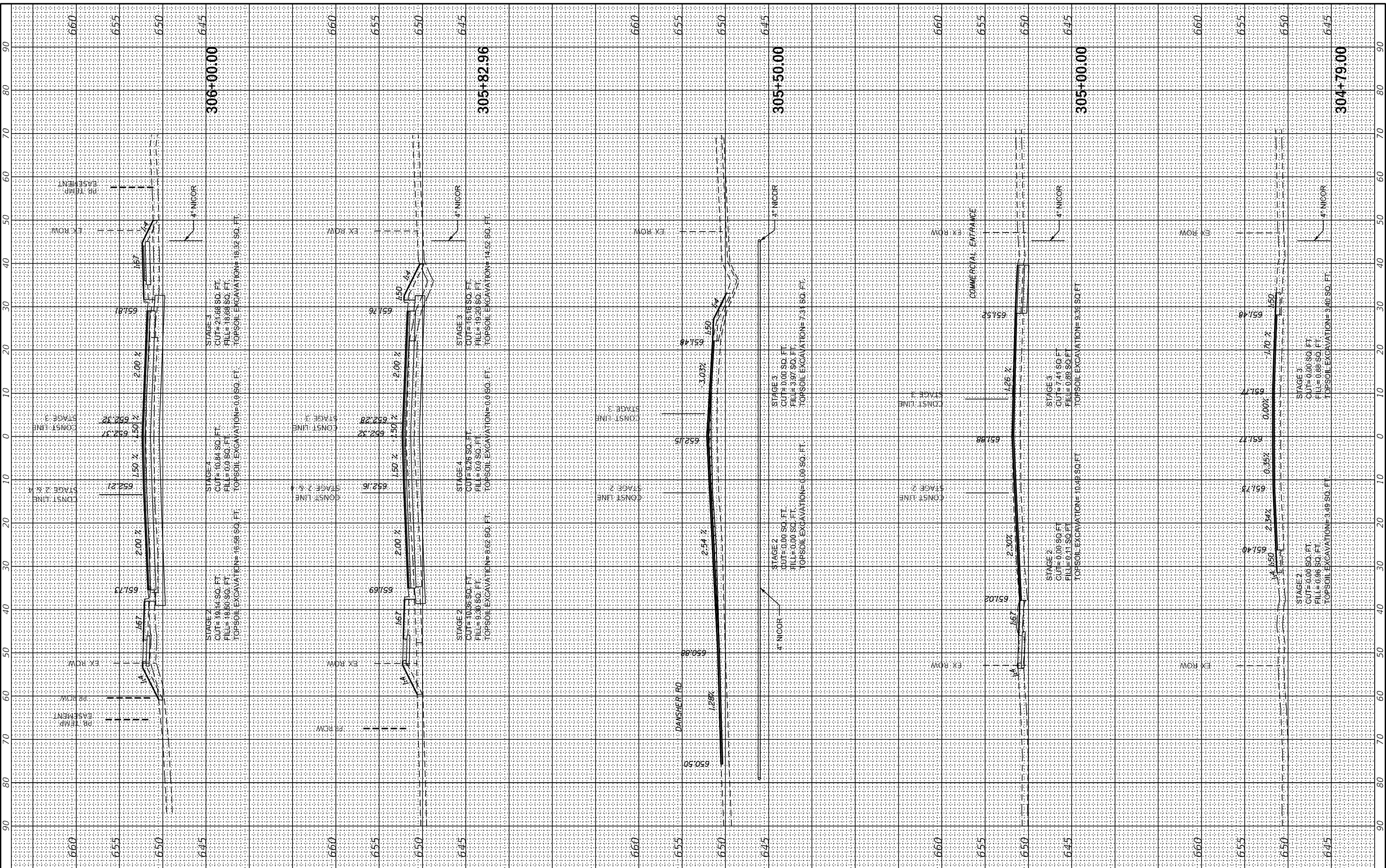
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	396
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: X5\_SHEET\_1  
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USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

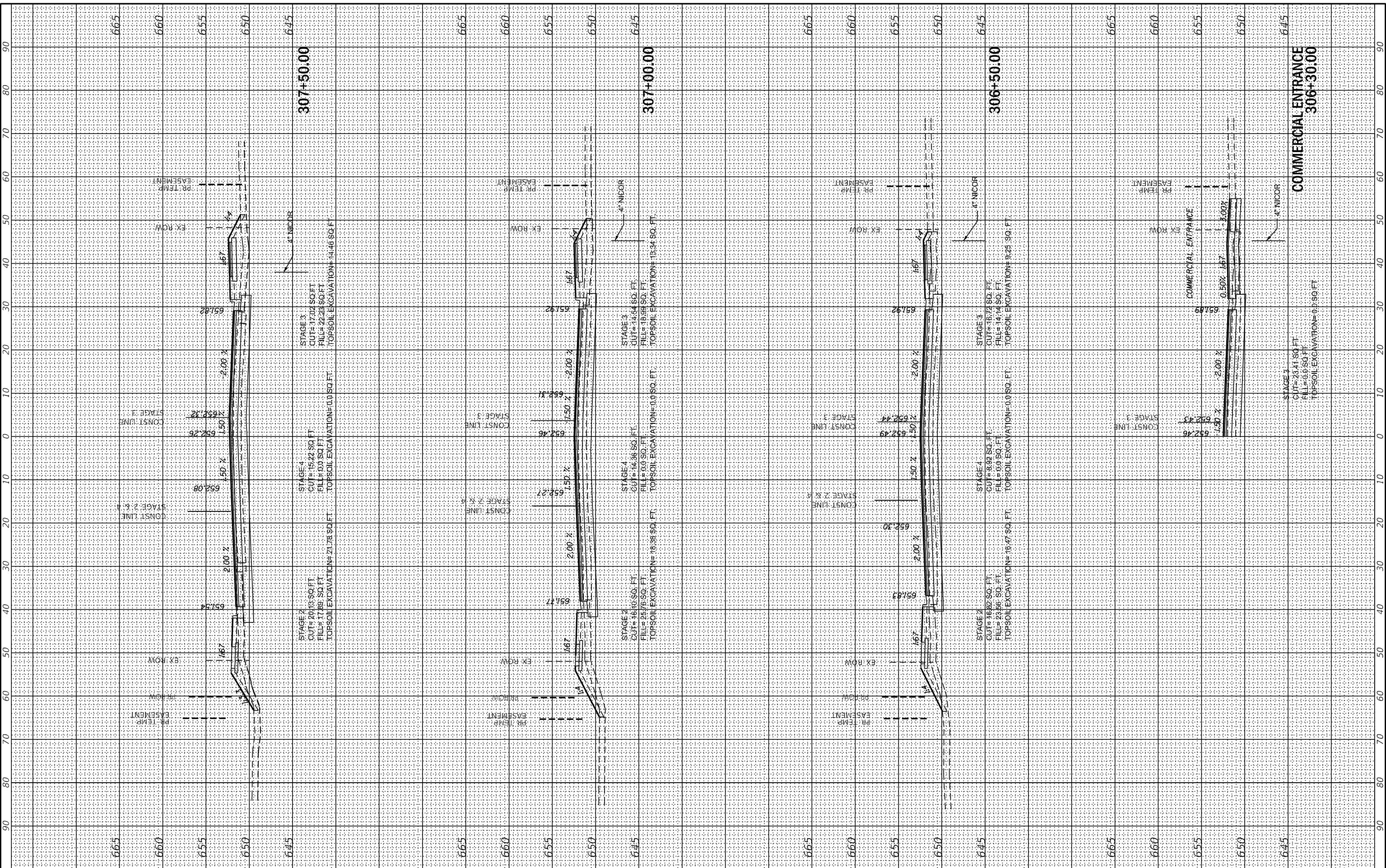
55TH ST CROSS SECTIONS - I			
EAST AVENUE (55TH ST TO JOLIET RD)			
SCALE:	SHEET	OF SHEETS	STA. 305+00.00 TO STA. 306+30.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	397
CONTRACT NO. 62C25				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: X5\_SHEET\_2  
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USER NAME	= jscumann
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 8/5/2021

DESIGNED	- MN
DRAWN	- MN
CHECKED	- TGM
DATE	- 09/13/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 306+50.00	TO STA. 307+50.00
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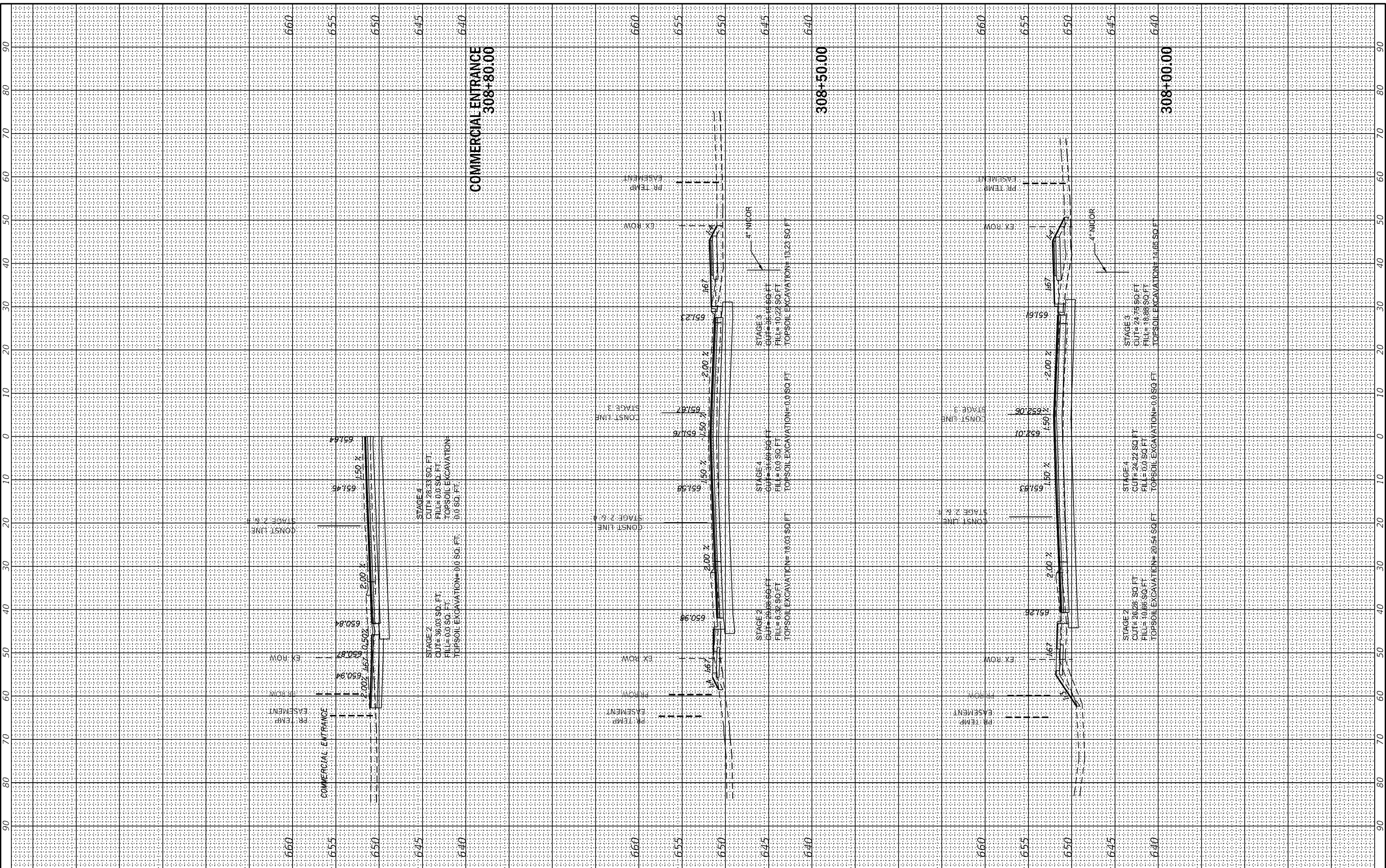
**55TH ST CROSS SECTIONS - II  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2719	0102N&T	COOK	426	398
CONTRACT NO. 62C25			ILLINOIS FED. AID PROJECT	

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

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

MODEL: X5\_SHEET\_3  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\CouID\62C25-sh-X5\_35th.dwg



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 308+00.00	TO STA. 308+80.00
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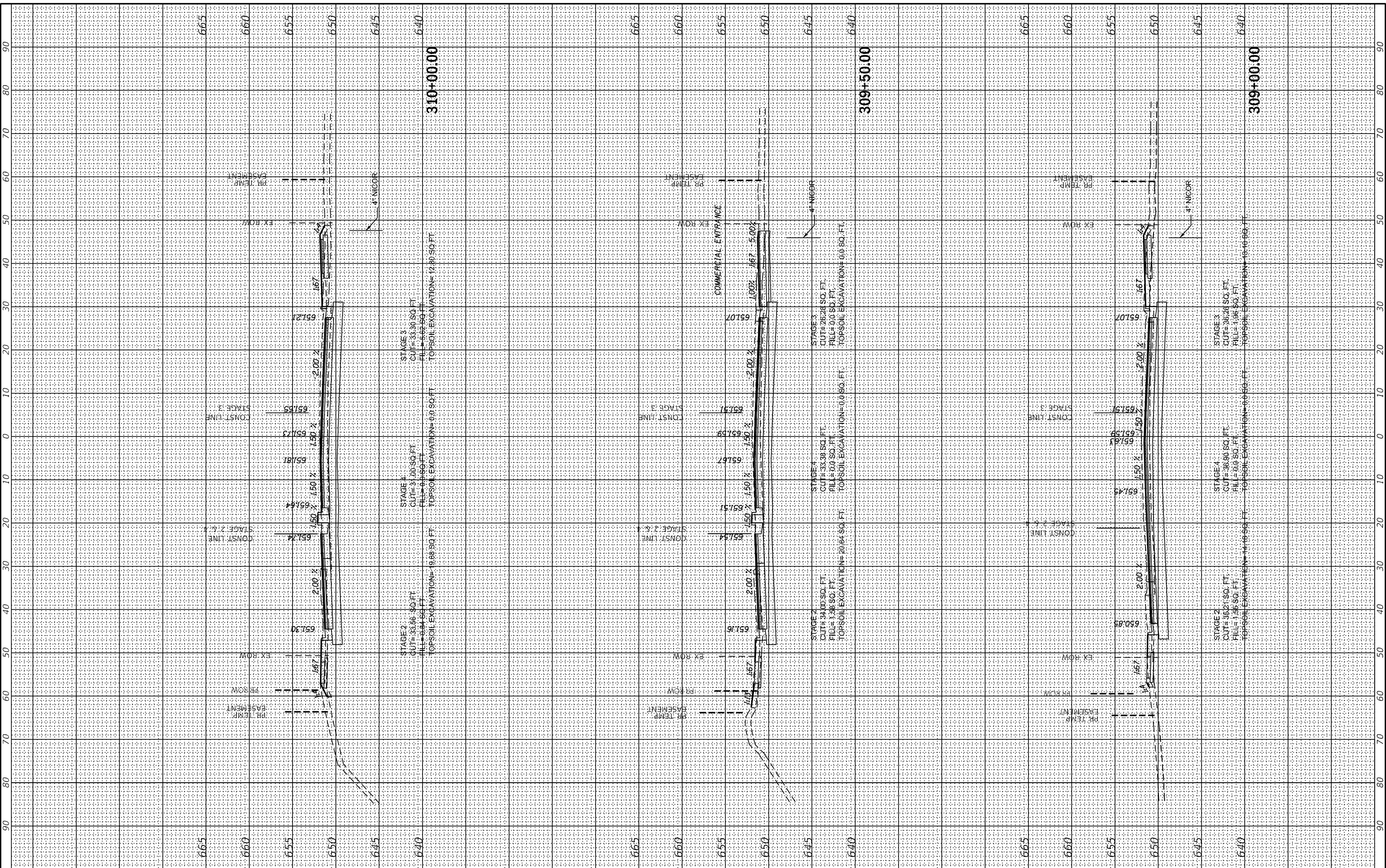
**55TH ST CROSS SECTIONS - III  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 399
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	

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

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

MODEL: X5\_SHEET\_4  
 FILE NAME: G:\Engineering\live\Projects\13031 IDOT East Ave\CADD\CADD\_Sheets\Civil\13031-25-35-13031.dwg



USER NAME = jscumann	DESIGNED - MN	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 8/5/2021	CHECKED - TGM	REVISED -
	DATE - 09/13/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 309+00.00	TO STA. 310+00.00
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**55TH ST CROSS SECTIONS - IV  
 EAST AVENUE (55TH ST TO JOLIET RD)**

F.A.U. RTE. 2719	SECTION 0102N&T	COUNTY COOK	TOTAL SHEETS 426	SHEET NO. 400
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C25	