



## **United City of Yorkville**

651 Prairie Pointe Drive

Yorkville, Illinois 60560

Telephone: 630-553-4350

[www.yorkville.il.us](http://www.yorkville.il.us)

### **AGENDA PUBLIC WORKS COMMITTEE MEETING**

**Tuesday, April 16, 2024**

**6:00 p.m.**

East Conference Room #337

651 Prairie Pointe Drive, Yorkville, IL

---

#### **Citizen Comments:**

**Minutes for Correction/Approval:** March 19, 2024

#### **New Business:**

1. PW 2024-31 Water Reports for July 2023 – March 2024
2. PW 2024-32 Capital Improvement Projects Update
3. PW 2024-33 Quarterly Bond and Letter of Credit Reduction Summary
4. PW 2024-34 Leak Detection Contract with M.E. Simpson
5. PW 2024-35 Pavement Management Program Update – Preliminary Engineering Agreement
6. PW 2024-36 Kennedy Road and Freedom Place Intersection Improvements – Contract Award
7. PW 2024-37 Kennedy Road and Freedom Place Intersection Improvements – Construction Engineering Agreement
8. PW 2024-38 Supplemental MFT Resolution for Bulk Rock Salt
9. PW 2024-39 Oak Street Parking Restriction
10. PW 2024-40 Tuscany Trail Parking Restriction

#### **Old Business:**

1. PW 2023-84 Route 47 Expansion and Improvements – Update and Overview – Follow-Up

#### **Additional Business:**

UNITED CITY OF YORKVILLE  
WORKSHEET  
**PUBLIC WORKS COMMITTEE**  
**Tuesday, April 16, 2024**  
**6:00 PM**  
CITY HALL CONFERENCE ROOM

---

**CITIZEN COMMENTS:**

---

---

**MINUTES FOR CORRECTION/APPROVAL:**

---

1. March 19, 2024

- ☐ Approved \_\_\_\_\_
- ☐ As presented
- ☐ With corrections

---

**NEW BUSINESS:**

---

1. PW 2024-31 Water Reports for July 2023 – March 2024

- ☐ Moved forward to CC \_\_\_\_\_
- ☐ Approved by Committee \_\_\_\_\_
- ☐ Bring back to Committee \_\_\_\_\_
- ☐ Informational Item
- ☐ Notes \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

---

2. PW 2024-32 Capital Improvement Projects Update

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

3. PW 2024-33 Quarterly Bond and Letter of Credit Reduction Summary

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

4. PW 2024-34 Leak Detection Contract with M.E. Simpson

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

5. PW 2024-35 Pavement Management Program Update – Preliminary Engineering Agreement

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

6. PW 2024-36 Kennedy Road and Freedom Place Intersection Improvements – Contract Award

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

7. PW 2024-37 Kennedy Road and Freedom Place Intersection Improvements – Construction Engineering Agreement

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



---

8. PW 2024-38 Supplemental MFT Resolution for Bulk Rock Salt

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

9. PW 2024-39 Oak Street Parking Restriction

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

10. PW 2024-40 Tuscany Trail Parking Restriction

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

**OLD BUSINESS:**

---

1. PW 2023-84 Route 47 Expansion and Improvements – Update and Overview – Follow-Up

☐ Moved forward to CC \_\_\_\_\_

☐ Approved by Committee \_\_\_\_\_

☐ Bring back to Committee \_\_\_\_\_

☐ Informational Item

☐ Notes \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

---

**ADDITIONAL BUSINESS:**

---



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

Minutes

Tracking Number

### Agenda Item Summary Memo

**Title:** Minutes of the Public Works Committee – March 19, 2024

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** \_\_\_\_\_  
\_\_\_\_\_

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Committee Approval

**Submitted by:** Minute Taker

Name

Department

### Agenda Item Notes:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**UNITED CITY OF YORKVILLE  
PUBLIC WORKS COMMITTEE  
Tuesday, March 19, 2024, 6:00pm  
Yorkville City Hall, East Conference Room #337  
651 Prairie Pointe Drive, Yorkville, IL**

**IN ATTENDANCE:**

**Committee Members**

Chairman Ken Koch  
Alderman Craig Soling

Alderman Rusty Corneils  
Alderman Matt Marek

**Other City Officials**

City Administrator Bart Olson  
Engineer Brad Sanderson, EEI  
Alderman Chris Funkhouser

Assistant City Administrator Erin Willrett  
Public Works Director Eric Dhuse

**Other Guests:**

Richard Vinyard, Cannonball Estates

The meeting was called to order at 6:00pm by Chairman Ken Koch.

**Citizen Comments:** None

**Previous Meeting Minutes:** February 20, 2024

The minutes were approved as presented.

**New Business:**

***1. PW 2024-22 2024 Road to Better Roads – Contract Award***

Mr. Sanderson reported 3 bids were received late February for the base road program. All bids were about the same and he recommended D Construction be awarded the work for \$1,382,442.77. This moves to the regular agenda.

***2. PW 2024-23 2024 Road to Better Roads – Construction Engineering Agreement***

This agreement pertains to the contract discussed above. It is with EEI in the amount of \$112,791 and is included in the budget. This moves to the consent agenda.

***3. PW 2024-24 2024 Asphalt Rejuvenation – Contract Award***

Engineer Sanderson said this year the rejuvenating program was separated out from the Road to Better Roads since it was found a higher amount is being paid by combining them. Mr. Marek noted that the price difference was 30-40%. Only 2 contractors in this area do rejuvenating work and CAM (Corrective Asphalt Materials) was the only bidder, in the amount of \$82,748.25 and they are being recommended. The rejuvenation is being done to extend the life of the asphalt. This moves forward to the City Council regular agenda.

***4. PW 2024-25 2024 Water Main Replacement Contract A – Contract Award***

Bids were taken on March 7th and Mr. Sanderson said they were substantially below the estimate. He recommended awarding the contract to Conley Excavating at \$2,312,286.15 and work is expected to start mid-summer through fall. He said Conley has been very good to work with in the past. Alderman Funkhouser asked if penalties are added into contracts for delays not outside their control. Mr. Sanderson said there are clauses in every contract allowing the city to recoup costs. To avoid any problems, EEI will work with Ms. Willrett and

Mr. Dhuse to post information and weekly meetings can be conducted to stay on track. This moves to the regular agenda.

**5. PW 2024-26 2024 Water Main Replacement Contract A – Construction Engineering Agreement**

Mr. Olson said this item goes hand in hand with the above contract. This contract is with EEI and is \$191,659 which is budgeted this year and next year. This moves to the consent agenda.

**6. PW 2024-27 Resolution Authorizing the Execution of Certain Contracts (Certificate of Authority for Rock Salt Purchases)**

Mr. Dhuse said this is a new procedure and in order to file for salt purchases, this contract must be approved by the City Council. Approval will give Mr. Dhuse and Mr. Olson authority to enter these contracts with the state and to bid on and purchase the salt. This moves forward to the consent agenda.

**7. PW 2024-28 Road Resurfacing Intergovernmental Agreement with Bristol Township**

Mr. Dhuse said the city and Bristol Township will trade some paving that needs to be done. Bristol Township will do paving in the Conover Subdivision and the city will do paving near McHugh and Walnut. The specs are the same and no money will change hands. The agreement holds each party harmless and EEI will oversee the McHugh paving and the county engineer will monitor the Conover paving. Alderman Soling noted a water drainage problem on Sunset which will be corrected. This moves to the Council consent agenda.

**8. PW 2024-29 2024 EEI Hourly Rates**

Mr. Olson said EEI has requested an hourly rate change. He said it impacts the city in 3 ways 1) base contracts, 2) hourly rates get incorporated into supplemental agreements and 3) developer work. The rate increase request is approximately 3.89%. Alderman Soling asked if this is in line with other rate increases. Mr. Olson gave a few examples and compared previous EEI requests which he said were inflationary. If approved, these rates will be effective for 2024. Alderman Funkhouser asked for some numbers for some of the EEI classifications. This moves forward to the regular agenda with committee approval.

**9. PW 2024-30 Rob Roy Drainage District – Additional Work**

This work is being done as part of an agreement between the city and the Drainage District at the request of the area farmers. Mr. Dhuse said some work remains and there are many trees on the downslope side of the ditch. Alderman Funkhouser said if the stumps are cleared, 18-19 acres of land could be gained as tillable land. He said he had issue with spending money on this, however, he noted this had been agreed upon. He believes the farmers should be responsible. Alderman Corneils asked why the city is overseeing this since it seems like a county project. and Mr. Dhuse replied that the city is involved since the Drainage District lacks funds and personnel. Mr. Olson added that in a court hearing, it was determined the city would manage the contract and the work as long as the District got the funds from the county. All work must be done by December 31<sup>st</sup> this year or unspent money will be returned to Kendall County. Alderman Koch asked what would happen if the costs are more than the \$500,000 allotted. The Drainage District can then levy a tax, but staff thought that was doubtful. This moves to the regular agenda.

**Old Business:**

**1. PW 2023-83 Klyns Ridge Subdivision Traffic Sign Analysis**

Mr. Sanderson reported the traffic study was done last fall and presented to the committee then with several discussion points. Striping was requested to slow the traffic. He said the locations for striping are limited but one was found on High Ridge between Faxon and Blackberry Shore. It is expected this would slow the traffic by 1-7 mph, but is less effective on a low-speed road. He said the average speed on High Ridge Rd. is 28-29 mph in the posted 30-mph zone. Alderman Funkhouser also suggested clustered trees to help create a tunnel effect. He would like a solution for Northland also. He said there is a lot of cut-through traffic from Whispering Meadows.

Thermoplastic striping plus signs would be installed. These type of stripes have not been done before. Mr. Dhuse commented that snowplows will basically destroy the stripes after a couple years and paint would be used

then. Alderman Marek asked how results would be measured--another analysis would be done afterward. Repaving will be done this year and the stripes would be applied afterward. Alderman Funkhouser said the PD could also monitor speeds as part of a program they are putting in place to monitor traffic. Signs mounted on trees are also collecting data.

Mr. Richard Vinyard of Northland Lane provided input as well. He said Northland Lane and Blackberry Shore did not connect previously and speeding was not an issue until it opened to through traffic. He said residents in the area have been parking cars on both sides in an effort to narrow the street and slow traffic. The townhomes being built will also increase traffic and there is limited parking already. He suggested contacting Home Depot to install "No Trespassing" signs to eliminate using the area as a cut-through since it is private property. He said drivers cannot see kids there and cars have to yield to one another. Mr. Olson said any discussion with Home Depot must be reviewed by the attorney first and must be discussed with engineering. Mr. Marek added that Home Depot gets upset with people driving through there. Mr. Vinyard noted that in his town of employment, the police have entered into agreements with retailers to be able to police their parking lots to reduce issues. The striping will go forward and Mr. Sanderson will include the work in the bid package. This moves to the consent agenda with committee approval.

**Additional Business:**

There was discussion about the proposed new Public Works facility. Committee members brought forth suggestions and ideas for the new building as well as the shape of the building and salt dome. Mr. Olson encouraged all ideas to be forwarded to city administrators. Input from Public Works and Parks employees is being provided and Mr. Olson will discuss with the architect. The committee also talked about the new facilities at South Elgin and Montgomery and some of the features they thought useful.

In another matter, Alderman Soling asked to revisit the Adams St. and Van Emmon area where the residents have asked to have the stumps removed and a steep bank remediated. Mr. Dhuse has been working with the Conservation Association who advised the stumps should remain to keep the bank intact. Public Works will be doing work there.

There was no further business and the meeting adjourned at 7:16pm.

Minutes respectfully transcribed by  
Marlys Young, Minute Taker



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #1

Tracking Number

PW 2024-31

### Agenda Item Summary Memo

**Title:** Water Reports for July 2023 – March 2024

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Acceptance of the monthly water reports per IEPA regulations.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Eric Dhuse Public Works  
Name Department

### Agenda Item Notes:

---

---

---

---

---



# Memorandum

To: Public Works Committee  
From: Eric Dhuse, Director of Public Works  
CC: Bart Olson, City Administrator  
Date: April 9, 2024  
Subject: Water Reports

---

## **Summary**

Monthly water reports need to be approved by the City Council per IEPA regulations.

## **Background**

Each month the Water Department provides a monthly report to the IEPA on each of our wells. This report is summarized in the attached monthly sheets. The IEPA mandates that the governing body approve the water reports as a check to make sure the governing body is given an opportunity to review the data.

## **Recommendation**

Staff recommends approval of the monthly water reports as presented.





# United City of Yorkville

## WATER DEPARTMENT REPORT

July  
2023  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	392	23,376,000
7	1527	1125	520	15,517,600
8	1384	840	303	16,344,000
9	1368	861	370	15,437,000
TOTAL PUMPED				70,674,600

CURRENT MONTH'S PUMPAGE IS 11,769,000 GALLONS **LESS THAN LAST MONTH**

4,441,600 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 2,279,826 GALLONS

DAILY MAXIMUM PUMPED: 2,716 GALLONS

DAILY AVERAGE PER CAPITA USE: 92.55 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1698 LBS. FED      CALCULATED CONCENTRATION: 3.09 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.75 MG/L  
POLYPHOSPHATE: 1678 LBS. FED      CALCULATED CONCENTRATION: 1.07 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.75 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 4      NUMBER OF LEAKS OR BREAKS REPAIRED: \_\_\_\_\_

MXU'S: \_\_\_\_\_      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 35      COMMERCIAL: 0      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



# United City of Yorkville

## WATER DEPARTMENT REPORT

August  
2023  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	393	29,546,000
7	1527	1125	510	13,028,000
8	1384	840	301	16,750,000
9	1368	861	374	15,042,000
TOTAL PUMPED				74,366,000

CURRENT MONTH'S PUMPAGE IS 3,691,400 GALLONS **LESS THAN LAST MONTH**

12,153,300 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 2,398,903 GALLONS

DAILY MAXIMUM PUMPED: 2,970 GALLONS

DAILY AVERAGE PER CAPITA USE: 100.23 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1733 LBS. FED      CALCULATED CONCENTRATION: 2.91 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.75 MG/L  
POLYPHOSPHATE: 1643 LBS. FED      CALCULATED CONCENTRATION: 0.96 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.75 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 1      NUMBER OF LEAKS OR BREAKS REPAIRED: 1

MXU'S: 1      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 44      COMMERCIAL: 0      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



# United City of Yorkville

## WATER DEPARTMENT REPORT

September  
2023  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	393	7,076,000
7	1527	1125	510	20,475,000
8	1384	840	300	19,864,000
9	1368	861	370	17,557,000
TOTAL PUMPED				64,972,000

CURRENT MONTH'S PUMPAGE IS 9,394,000 GALLONS **LESS THAN LAST MONTH**

2,987,000 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 2,165,733 GALLONS

DAILY MAXIMUM PUMPED: 3,080 GALLONS

DAILY AVERAGE PER CAPITA USE: 88.57 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1425 LBS. FED      CALCULATED CONCENTRATION: 2.80 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.77 MG/L  
POLYPHOSPHATE: 1643 LBS. FED      CALCULATED CONCENTRATION: 0.84 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.75 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 12      NUMBER OF LEAKS OR BREAKS REPAIRED: \_\_\_\_\_

MXU'S: 1      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 30      COMMERCIAL: 1      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



# United City of Yorkville

## WATER DEPARTMENT REPORT

October  
2023  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	392	340,000
7	1527	1125	571	21,932,500
8	1384	840	300	17,199,000
9	1368	861	388	18,279,000
TOTAL PUMPED				57,750,500

CURRENT MONTH'S PUMPAGE IS 7,221,500 GALLONS **LESS THAN LAST MONTH**

2,469,500 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,862,919 GALLONS

DAILY MAXIMUM PUMPED: 2,331,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 76.44 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1579 LBS. FED      CALCULATED CONCENTRATION: 3.47 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.77 MG/L  
POLYPHOSPHATE: 1139 LBS. FED      CALCULATED CONCENTRATION: 0.88 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.77 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 24      NUMBER OF LEAKS OR BREAKS REPAIRED: 4

MXU'S: \_\_\_\_\_ BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 29      COMMERCIAL: 1      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



# United City of Yorkville

## WATER DEPARTMENT REPORT

November  
2023  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	393	165,000
7	1527	1125	508	22,770,000
8	1384	840	302	16,675,000
9	1368	861	404	15,044,000
TOTAL PUMPED				54,645,000

CURRENT MONTH'S PUMPAGE IS 3,096,500 GALLONS **LESS THAN LAST MONTH**

5,510,400 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,821,800 GALLONS

DAILY MAXIMUM PUMPED: 2,317,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 78.76 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1395 LBS. FED      CALCULATED CONCENTRATION: 3.08 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.75 MG/L  
POLYPHOSPHATE: 1048 LBS. FED      CALCULATED CONCENTRATION: 0.81 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.77 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 18      NUMBER OF LEAKS OR BREAKS REPAIRED: 2

MXU'S: 6      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 29      COMMERCIAL: \_\_\_\_\_      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



# United City of Yorkville

## WATER DEPARTMENT REPORT

December  
2023  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	394	14,246,000
7	1527	1125	512	16,308,000
8	1384	840	299	13,664,000
9	1368	861	360	13,521,000
TOTAL PUMPED				57,739,000

CURRENT MONTH'S PUMPAGE IS 3,085,000 GALLONS **MORE THAN LAST MONTH**

7,348,200 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,862,548 GALLONS

DAILY MAXIMUM PUMPED: 2,543,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 94.45 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1336 LBS. FED      CALCULATED CONCENTRATION: 2.38 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.71 MG/L  
POLYPHOSPHATE: 1095 LBS. FED      CALCULATED CONCENTRATION: 0.68 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.71 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 12      NUMBER OF LEAKS OR BREAKS REPAIRED: 1

MXU'S: 21      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 19      COMMERCIAL: \_\_\_\_\_      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



# United City of Yorkville

## WATER DEPARTMENT REPORT

January  
2024  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	392	18,844,000
7	1527	1125	508	11,280,500
8	1384	840	328	14,955,000
9	1368	861	365	12,133,000
TOTAL PUMPED				57,212,500

CURRENT MONTH'S PUMPAGE IS 526,500 GALLONS **LESS THAN LAST MONTH**

7,723,800 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,845,565 GALLONS

DAILY MAXIMUM PUMPED: 2,200,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 100.49 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1232 LBS. FED      CALCULATED CONCENTRATION: 2.06 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.65 MG/L  
POLYPHOSPHATE: 1044 LBS. FED      CALCULATED CONCENTRATION: 0.61 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.65 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 11      NUMBER OF LEAKS OR BREAKS REPAIRED: 2

MXU'S: 5      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 21      COMMERCIAL: \_\_\_\_\_      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



# United City of Yorkville

## WATER DEPARTMENT REPORT

February  
2024  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	393	15,078,000
7	1527	1125	506	10,846,000
8	1384	840	319	13,619,000
9	1368	861	358	11,269,000
TOTAL PUMPED				50,812,000

CURRENT MONTH'S PUMPAGE IS 6,400,500 GALLONS **LESS THAN LAST MONTH**

5,450,500 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,752,138 GALLONS

DAILY MAXIMUM PUMPED: 1,978,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 71.60 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1163 LBS. FED      CALCULATED CONCENTRATION: 2.06 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.64 MG/L  
POLYPHOSPHATE: 1039 LBS. FED      CALCULATED CONCENTRATION: 0.91 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.65 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 16      NUMBER OF LEAKS OR BREAKS REPAIRED: 1

MXU'S: 1      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 21      COMMERCIAL: \_\_\_\_\_      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:





# United City of Yorkville

## WATER DEPARTMENT REPORT

March  
2024  
MONTH / YEAR

### WELLS

NO	WELL DEPTH (FEET)	PUMP DEPTH (FEET)	WATER ABOVE PUMP (FEET)	THIS MONTH'S PUMPAGE (GALLONS)
4	1394	795	393	16,052,000
7	1527	1125	550	12,431,700
8	1384	840	323	13,384,000
9	1368	861	390	12,290,000
TOTAL PUMPED				54,157,700

CURRENT MONTH'S PUMPAGE IS 3,345,700 GALLONS **MORE THAN LAST MONTH**

4,017,700 GALLONS **MORE THAN LAST YEAR**

DAILY AVERAGE PUMPED: 1,747,023 GALLONS

DAILY MAXIMUM PUMPED: 2,289,000 GALLONS

DAILY AVERAGE PER CAPITA USE: 71.44 GALLONS (Population 23,000)

### WATER TREATMENT:

CHLORINE: 1243 LBS. FED      CALCULATED CONCENTRATION: 2.93 MG/L  
FLUORIDE: 0 LBS. FED      MEASURED CONCENTRATION: 0.66 MG/L  
POLYPHOSPHATE: 1123 LBS. FED      CALCULATED CONCENTRATION: 0.93 MG/L

### WATER QUALITY:

BACTERIOLOGICAL SAMPLES ANALYZED BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY:  
30 SATISFACTORY      \_\_\_\_\_ UNSATISFACTORY (EXPLAIN)

FLOURIDE: 3 SAMPLE(S) TAKEN      CONCENTRATION: 0.65 MG/L

### MAINTENANCE:

NUMBER OF METERS REPLACED: 7      NUMBER OF LEAKS OR BREAKS REPAIRED: 2

MXU'S: 12      BATTERIES REPLACED: \_\_\_\_\_

### NEW CUSTOMERS:

RESIDENTIAL: 16      COMMERCIAL: \_\_\_\_\_      INDUSTRIAL/GOVERNMENTAL: \_\_\_\_\_

### COMMENTS:



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #2

Tracking Number

PW 2024-32

### Agenda Item Summary Memo

**Title:** Capital Project Update

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** A status update on projects will be given.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Brad Sanderson Engineering  
Name Department

### Agenda Item Notes:

---

---

---

---

---



# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Krysti Barksdale-Noble, Community Dev. Dir.  
Jori Behland, City Clerk

Date: April 4, 2024  
Subject: Capital Improvement Projects Update

---

The purpose of this memo is to update the Public Works Committee as to the status of the several projects. A summary on the status of the projects is provided below:

## **Construction Projects**

### 2023 Water Main Replacement Program – Contract A

The work is substantially complete. Punchlist items are expected to be addressed this spring.

### 2023 Water Main Replacement Program – Contract B

The work is substantially complete. Punchlist items are expected to be addressed this spring.

### 2024 Water Main Replacement Program – Contract B

Construction is underway and estimated to be 40% complete. The contract completion date is July 31<sup>st</sup>.

## **Planning/Design Projects**

### Downtown Riverwalk Feasibility Study

Design engineering has commenced.

### WIFIA Loan Application

Work has begun on the application.

### Kennedy / Freedom Place Intersection Improvements

Design engineering is complete. We are working on land acquisition with the City Attorney. A letting is scheduled for April 8<sup>th</sup>.

### 2024 RTBR

The contract has been awarded. The contract substantial completion date is July 26<sup>th</sup> with a final of September 27<sup>th</sup>.

### 2024 Local Road Program

Design engineering has begun and is approximately 70% complete. We are targeting a May letting.

### Van Emmon Street STP

Design engineering has begun and is approximately 70% complete. We are targeting a fall letting.

### Well 10 Raw Water Main

The contract has been awarded pending IGA approval. The contract substantial completion date is August 10<sup>th</sup> with a final of October 15<sup>th</sup>.

#### Well 10

The contract has been awarded pending IGA approval. The contract completion date is April 2025.

#### 2024 Water Main Improvements – Contract A

The contract has been awarded. Work is projected to begin in May. The contract completion date is November 8<sup>th</sup>.

#### Center Street Water Main

Design engineering has begun and is approximately 80% complete. We are anticipating a May letting.

#### Rt 47 Water Main Replacement – Water Park Way to Jericho

Design engineering has begun and is approximately 90% complete. We have made an initial submittal to IDOT for their review.

#### Well No. 7 Electrical

Design engineering has commenced. We are anticipating a May letting.

#### Eldamain Water Main Loop

Design engineering has commenced. Easement acquisition is in process.

#### Corneils Sanitary Sewer

Design engineering has commenced. Easement acquisition is in process.

#### Southern Sanitary Sewer Connection

Design engineering has commenced. Easement acquisition is in process.



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #3

Tracking Number

PW 2024-33

### Agenda Item Summary Memo

**Title:** Bond/LOC Reduction Summary Through March 31, 2024

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** \_\_\_\_\_  
\_\_\_\_\_

#### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Brad Sanderson Engineering  
Name Department

#### Agenda Item Notes:

---

---

---

---

---



# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Krysti Barksdale-Noble, Community Dev. Dir.  
Jori Behland, City Clerk

Date: March 31, 2024  
Subject: 2024 Bond/LOC Reduction Summary

---

Please see the attached reduction summary through March 31, 2024. If you have any questions, please let me know.

## 2024 Bond and Letter of Credit Reduction Report

[illegible]



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #4

Tracking Number

PW 2024-34

### Agenda Item Summary Memo

**Title:** Leak Detection Proposal

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Proposals from leak detection companies to leak detection services on all water main as part of the non-revenue water loss calculation as required for LM water.

#### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Supermajority (6 out of 9)

**Council Action Requested:** Approval

**Submitted by:** Eric Dhuse Public Works  
Name Department

#### Agenda Item Notes:

Please note, there is no page 7 of 9 for the Associated Technical Services LTD (ATS) proposal.

---

---

---

---





# Memorandum

To: Public Works Committee  
From: Eric Dhuse, Director of Public Works  
CC: Bart Olson, City Administrator  
Date: April 8, 2024  
Subject: Proposed Leak Detection Quote

---

## **Summary**

Staff is proposing a multi-year contract with M.E.Simpson to perform leak detection on all 156 miles of water main as required by our decision to use Lake Michigan water. The proposal is for a 3-year term.

## **Background**

Each year we are required to survey all our water mains for leaks. This is to ensure that we stay below the mandated 10% non-revenue water loss that has been set for Lake Michigan water users. Even though we are not current users, we must be below the 10% threshold to receive Lake Michigan water.

For the past few years, we have used M.E.Simpson to perform the leak detection surveys. They have been thorough, affordable, and good to work with. There are very few companies that perform this service, and even fewer that perform to the level we expect. They have earned our respect and trust by being thorough with their surveys, and very accurate with pinpointing the location of leaks. This is a very important aspect of the service, having accurate locations saves time, energy, and money when staff repairs the leaks.

To be sure that we are getting the best price, we asked another leak detection company to provide a quote for the same services that M.E. Simpson provides for us. We solicited Associated Technical Services, ATS, to provide the quote. I have attached the proposal for your review. ATS is a good company, we have used their services on and off for over 25 years.

When we compare the quotes, ATS did not quote 3 years, but the 1-year quote was \$54,834.20 which was considerably higher than M.E. Simpson's quote of \$40,560. ATS also offered an incentive-based survey for \$30,957.16 plus \$425 for any water main leaks, and \$125 for any fire hydrant leaks. I do not recommend this service at this time. Once we have our non-revenue water losses consistently under 10%, we can look at that type of option.

When we asked ATS to amend their quote for 3 years, they simply changed the dates, but nothing else. I take that as the price will stay at \$54,834.20 for each year.

M.E. Simpson quoted us \$40,560 in year 1, \$40,560 in year 2, and \$41,340 in year 3 of the contract. The increase in year 3 is a 2% increase. I feel that we are getting better pricing from M.E. Simpson, and we have been very satisfied with their work through the years.

At this time, we have \$40,000 budgeted within the Lake Michigan Capital Project Projection that was approved as part of the FY 25 budget.

## **Recommendation**

Staff recommends the approval of the quote from M.E. Simpson Co., Inc. for the 3 year term.



February 1, 2024

Mr. Jon Bauer  
Water & Sewer Foreman  
City of Yorkville  
800 Game Farm Rd.  
Yorkville, IL 60560

**RE: PROPOSAL FOR A WATER DISTRIBUTION SYSTEM LEAK SURVEY**

Dear Mr. Bauer,

M.E. Simpson Co., Inc. is pleased to present the City of Yorkville, Illinois our proposal for a Water Distribution System Leak Detection Survey Program. We are honored to be considered for this work and are confident our team will help make the project a success.

M.E. Simpson Co., Inc. is a Professional Services Firm dedicated to developing and providing programs and services designed to maximize peak performance for our clients' water distribution systems. Many of these programs are universally recognized as a part of "Best Management Practices" (BMPs) for utilities. We pride ourselves on delivering solid solutions using the highest quality technical and professional services by way of state-of-the-art technology and a skilled and well-trained staff of professionals. Our highly educated engineers and technical team are committed to the success of this project. They will be ready at a moment's notice to relieve your staff's burden and ensure a seamless continuation of your services.

Our services were developed and refined to provide utilities with programs that can be customized to meet their needs. From complete "Turn-Key" services to assisting with the development of "in-house" programs for utilities, M.E. Simpson Co., Inc. serves our clients with this ultimate goal: to deliver to the public the implicit faith that **"the water is always safe to drink"**.

Thank you for your consideration and this opportunity to acquaint you with our Water Distribution System Leak Detection Services and offer this response. We are committed to exceeding your expectations.

Sincerely,

Joe Nepras  
Regional Manager

Joe Nepras  
Regional Manager

3406 Enterprise Avenue  
Valparaiso, IN 46383

800.255.1571 P  
888.531.2444 F

joen@mesimpson.com

## SCOPE OF WORK

### Water Distribution System Leak Survey

The Field Scope of Service for the Leak Survey is understood to be the following:

M.E. Simpson Co., Inc. will furnish all labor, material, transportation, tools, and equipment necessary to survey the water distribution system areas selected by the City. M.E. Simpson Co., Inc. shall be required to provide such skilled and trained personnel and equipment necessary to complete the work herein specified. **There will be a minimum of Two Persons per team working on the survey at all times.**

- ◆ Work in an orderly and **safe** manner to insure protection of the local residents, Utility employees, and the Field Staff so that no **avoidable** accidents occur.
- ◆ All Field Staff will have readily observable identification badges worn while in the field.
- ◆ The leak detection equipment to be used will be that which was described in the "Equipment to be used" section.
- ◆ Initially listen to **all fire hydrants, all accessible main line valves**, and when necessary, selected service connections in the entire distribution system by making physical contact with the valve, hydrant, pipe, or B-box. (Listening points that are not accessible will be given to the Utility and when corrected they will be listened to.)
- ◆ Listening points of contact will be: valves, hydrants, service valves or meter settings. The preference of listening points in order as follows; direct contact with the pipe, main line valves, hydrant valves, hydrants, then service valves or meter settings.
- ◆ Specific listening distances will be determined by pipe material. Metallic type pipes; no greater than 500' between listening points. Non-Metallic AC/Concrete type pipes; no greater than 300' between listening points. Non-Metallic PVC/HDPE type pipes; no greater than 150' between listening points.
- ◆ A "suspected leak" log shall be maintained indicating all areas where suspected leak noise was heard. This log will be reviewed when the Project Team is verifying the suspected leak area for confirmation of the actual existence of a leak. This log will be a part of the periodic reports turned into the Utility regardless of an actual leak located in the area or not, **with an explanation of the noise source.**
- ◆ When leak noise has been detected and or suspected, the Project Team will verify the suspected area a second time to confirm the noise. At least four hours will pass between the initial listening of the area before a second listen and confirmation is attempted.
- ◆ The Project Team will **line locate** the water main and service lines in the immediate area so the correct pipe distances can be input into the leak correlator and also so that the Water Utility will have an idea of where the water main is located prior to excavation. Non-metallic pipe locations will be "interpolated" as best that can be identified, given the line location of metallic services, Utility knowledge of the area, or other information regarding the actual location of the main.



- ◆ The Project Team will use “State of the Art” Electronic Leak Correlators to determine if a leak is present and use the same equipment to pinpoint the leak.
- ◆ For PVC water mains only the Echologics LeakFinder-ST w/hydrophones leak correlator or Fluid Conservation Systems (FCS) TriCorr Touch leak correlator, will be used for correlations because of the ability for these correlators to be able to analyze the particular sound frequencies inherent to PVC pipe.
- ◆ The leak location will be marked in the field (on the surface) using environmentally formulated Precautionary Blue paint.
- ◆ The Project Team will document all leak locations with a diagram indicating the location of the leak. Other information related to that correlation will be included as part of the field sheet such as the filters used for the correlation, line locations, distances between sensors, etc.
- ◆ The locations of leaks requiring immediate attention (immediate threat to life, injury or traffic) will be turned in as quickly as possible to facilitate the repair process.
- ◆ The Project Team will report daily or per request of the Utility, to assigned Utility Professional and go over the progress of the previous day, as well as cover what will be surveyed the current day.
- ◆ It may be necessary to conduct parts of the Leak Survey during “off hours” such as at night. This may be required in areas of high traffic volume where traffic noise may affect the ability to detect leak noise, and traffic volume may affect the ability of the Project Team to be able to safely access main line valves in the middle of the street. The Project Team will give 24-hour advanced notice of intent to survey a particular area that may require after hours surveying or nighttime surveying. This is so the Utility can plan for the area to be surveyed, give notification to the Police department, as well as other Public Works Divisions as to the activity that will take place.
- ◆ As a part of the leak program, mapping discrepancies found, distribution assets found in disrepair will be noted and turned into the utility.
- ◆ Leaks verified on the customer’s side of a service shut-off will not be located beyond the shut-off. If a leak appears to be on the Customers’ side, the Utility will be notified first, then the customer notified and permission granted prior to the water being shut off even for short periods of time where possible and as time allows, as well as the ability for the customer to respond.
- ◆ If the Utility requests leak locations beyond the service shut off on the customer’s side of the service line, this will result in an additional charge to the leak survey based on an hourly rate and this service must be agreed upon between the Utility and M.E. Simpson Co., Inc. prior to the start of the survey.
- ◆ Valves and hydrants will not be operated without Utility permission. Valves and hydrants that break during this type of operation are the sole responsibility of the Utility. M.E. Simpson Co., Inc. cannot be responsible for valves and hydrants that break due to pre-existing conditions.

- ◆ The Utility is encouraged to dig up and repair the leaks located as soon as possible so that the area may be re-surveyed while the Project Team is still working on the survey in that general geographical location to ensure no other leaks are present in that area.

## Equipment List

- ◆ FCS **S30** Gutermann **AquaScope** electronically enhanced listening device.
- ◆ Echologics **LeakFinder-ST w/hydrophones**; FCS **AC Digital**, **TriCorr Touch** or Vivax-Metrotech **HL6000X** leak correlator systems.
- ◆ **RADIO Detection** Line Locators.
- ◆ **Chicago Tape**, **Fisher M-Scope** or **Schonstedt** magnetic locators.
- ◆ **All necessary valve keys and hand tools**
- ◆ Truck mounted arrow board/signage and warning lights.
- ◆ Traffic control equipment, including properly sized traffic cones with reflective stripes.

## Quality Control and Accuracy of Leak Locations

The level of accuracy of leak detection is a matter of taking in all the above considerations and applying those considerations to each individual potential leak location as it is being evaluated. Any statement made as to the level of accuracy of leak locations must be considered based on the individual conditions of each leak.

Locating leaks on a distribution system can be very challenging. It is not a perfect science. Pipes and fittings can leak for a variety of reasons (age, poor installation, material failures, bad soils, etc.), and the ability to locate leaks is dependent on the stated variables listed in the "Project Approach". By employing a strict methodology in the field for conducting a leak survey, these variables can be accounted for and mitigated. The depth of experience of the Project Team is extremely important to maintaining the ability to have accurate locations of leaks. Additionally, crews work as Two-Person Teams in the field, double checking the progress of the work as the survey progresses. The systematic procedure for leak confirmation has been stated in the Scope of Field Service and is restated here.

"Suspected leak areas are always listened to a second time, preferably at a different time of day than originally listened to. The mains and services will be line located to insure correct pipe distances are used for the correlations. Correlations may need to be performed several times with several configurations to insure all the possible scenarios have been covered. Sewer manholes may need to be opened and flows observed. If there is any doubt as to the existence of a leak, the area may be checked and correlated at different times to rule out water usage or other factors. The progress of the survey will be monitored by the use of daily logs and a progression map with suspected leak noise indications marked and possible leak locations will be maintained. Field leak location forms will be turned into the Utility according to the agreed schedule. The Project Team will follow up on leak locations by monitoring the repair schedule of the Utility. That way in case a potential leak location is wrong, the Project Team can return to the site and determine why the leak location was incorrect, and correct it. This means maintaining a good level of communication between the Project Team in the field, and the Utility.

As a matter of Quality Control for leaks in the field, our Correlators, FCS TriCorr Touch and Echologics LeakFinder-ST have the distinct ability to be able to detect and pinpoint more than one leak in the same relative area, thus allowing better leak coverage and insuring that one leak is not “masking” another leak in the same area. The use of progress reports and meetings will allow for open discussions of problems encountered so solutions can be examined.”

## Utility Observations

The M.E. Simpson Co., Inc. Project Team will welcome having staff of the Utility observe field procedures while the Leak Survey is in progress. They will be happy to explain and demonstrate the equipment and techniques that are employed by M.E. Simpson Co., Inc. for detecting and locating leaks on the Water System.

## Final Reports, Documentations & Communications

### *M.E. Simpson Co, Inc. will perform the following:*

- ◆ Project Team will **meet daily** with assigned Utility personnel to go over areas of survey for prior workday and plan current day and area to survey.
- ◆ The field technicians will be readily available by cellular phone. This will facilitate communications between the Utility and the field technicians. A **24-hour toll-free 800 number** is available for direct contact with M.E. Simpson Co., Inc. for emergencies.
- ◆ **Diagram all leak locations**, date of location, and classify according to severity and an estimate of loss.
- ◆ **The Project Manager will** meet with the Utility regularly for a progress report.
- ◆ **Prepare a progress report** at monthly intervals for the Utility if requested.
- ◆ Develop a **Leak Survey log** of activity which will also have confirmed leaks listed and this list will be turned in weekly (in Excel format). The list will also be included with the final report that will include the following;
  1. Mechanical deficiencies discovered
  2. Mapping errors on the water atlas
  3. Type of monitored appurtenances
  4. Location of same for leaks discovered
  5. Total estimated loss

Effective communication...  
accurate documentation...  
**Insuring the success for  
the leak survey**



- ◆ **Prepare the final report** at the completion of the project which will include all leak location reports with drawings, total of estimated water loss, total pipe distance investigated, a description of the area surveyed, and other problems found in the system during the course of the survey that need the attention of the Water Utility. The leak summary will list leak types such as main leaks, service line leaks, valve leaks, or hydrant leaks.

A cost benefit analysis of the survey based on the "cost to produce" water will also be included that describes the financial impact to the Utility for water loss. Recommendations for system maintenance will be a part of this report based on field observations made during the survey. **This final report shall be made available for submission to the Utility within thirty (30) working days of the completion of the fieldwork.**

### Assumptions & Services Provided by the Utility

- ◆ The Utility will furnish all maps in an electronic format or paper atlases (two copies), and records necessary to properly conduct the survey.
- ◆ The Utility will assist as necessary to clean out service valves, meter pits and valve-boxes needed for listening.
- ◆ The Utility will provide a Primary Contact Person and/or secondary contact person for the Field Staff to report to on a periodic basis. This person shall act as the official liaison for the duration of the Leak Survey. This person shall have a working knowledge of the water system and will be helpful in attempting to locate particularly hard-to-find water valves for listening and for general information about the water system. This person will not need to assist the Project Team on a full time basis, but only on an "as needed" basis.
- ◆ The Utility will assist, if needed, to help gain entry into sites that may be difficult to get into due to security issues or other concerns.
- ◆ The Utility will assist, if needed, to locate all nonmetallic pipe within the service area. This would include all Concrete Cylinder pipe, Asbestos Cement Pipe, PVC pipe and HDPE pipe.
- ◆ We will encourage the immediate digging of major leaks (main breaks) so that if there are problems with the leak location, the problems can be corrected while the Project Team is close by and can verify the site.

## PROJECT SAFETY PLAN

M.E. Simpson Co., Inc.'s Safety Programs cover all aspects of the work performed by M.E. Simpson Co., Inc. We take great pride in our safety plan/policy/program and that is evident in our EMR scores over the last five years. The safety of our employees, the utilities employees and that of the general public is our #1 priority.

Our Safety Plan/Policy/Program, with all of its parts, is 60 pages in length. In an effort to be more efficient and less wasteful we do not print copies of the safety program for RFPs. There is nothing secretive or proprietary contained within our plan/policy/program and we are happy to share its contents. If you would like a PDF copy of our plan/policy/program please contact Terrence Williams, Operations Manager, at 800.255.1521 and a copy of our program will be sent via email to you.

Below is an overview of our plan/policy/program:



**Safety** is a major part of any project. M.E. Simpson Co., Inc. always provides a safe work environment for its employees. **Our staff is trained in General Industry OSHA rules, Confined Space Entry & Self-Rescue, First Responder First Aid, CPR, and Traffic Control.**

While in the field on your project, M.E. Simpson Co., Inc. and its employees will follow all of the necessary safety procedures to protect themselves, your staff and the general public.

### **M.E. Simpson Co., Inc. uses Two-Man Teams for Safety and Quality Assurance.**

The use of a "one-person" leak detection team is dangerous and impractical where water mains run under roadways. It would be a dangerous precedent to allow a "one-person" team to access main line valves located in the roadway, attempt to listen to the valve with headphones on, and at the same time try to control traffic flow at that person's location in the street.

Therefore M.E. Simpson Co., Inc. adheres to the following:

- ◆ The Project Manager and the Field Manager will be trained in accordance with OSHA Standard 1910 (General Industry) and be in possession of an OSHA 10 Hour or 30 Hour Card.
- ◆ Any listening points located in a "confined space" such as pit and vault installations that require entry will be treated in accordance with the safety rules regarding **Confined Space Entry, designated by the Utility, The Department of Labor and OSHA.**
  - All personnel are trained and certified in Confined Space Entry & Self-Rescue.
- ◆ We will follow all safety rules regarding **First Responder First Aid & CPR, designated by the Utility, The Department of Labor and OSHA.**
  - All personnel are trained and certified in First Responder First Aid & CPR.
- ◆ We will follow all **traffic safety rules, designated by the Utility, The Department of Labor, OSHA, and the Illinois Department of Transportation (per MUTCD).**
  - All personnel are trained and certified, by the **AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA)** in Traffic Control and Safety.

Current documentations of safety training and certifications can be provided for all project personnel for the Utility. These certifications are current and up to date for all project personnel.



# INVESTMENT

A commitment to improving and maximizing the City of Yorkville’s water distribution system for future generations.

M.E. Simpson Co., Inc. is pleased to present our “Proposal” for a Water Distribution System Leak Detection program for the City of Yorkville, Illinois. M.E. Simpson Co., Inc. will perform our leak detection services on approximately **156** miles of watermain within the City of Yorkville’s water distribution system. The survey will be completed by listening on the accessible main line valves, fire hydrants and as needed services by one of our two-man teams with all necessary equipment furnished by M.E. Simpson Co., Inc. as described within this document. The project will also include complete reporting of all issues found, with a final comprehensive report.

**2024 Leak Survey**

Water Distribution System Leak Survey Program Fee (lump sum) ----- **\$40,560.00\*\***

**2025 Leak Survey**

Water Distribution System Leak Survey Program Fee (lump sum) ----- **\$40,560.00\*\***

**2026 Leak Survey**

Water Distribution System Leak Survey Program Fee (lump sum) ----- **\$41,340.00\*\***

**\*\***Any water main surveyed in addition to the above **156** original miles of watermain will be surveyed at the rate of **\$260.00** per mile of pipe for 2024 and 2025. That fee raises to **\$265.00** in 2026.

We thank you for this opportunity to acquaint you with our Water Distribution System Leak Detection services and offer this proposal. If you have further inquiries or you wish to discuss our service in more detail, do not hesitate to call us.



February 21, 2024

City of Yorkville  
610 Tower Ln.  
Yorkville, Illinois 60560

Attn: Mr. Jon Bauer  
Water/Sewer Department Foreman

RE: 2024-26 Water Distribution System Leak  
Detection & Location Survey Proposal

Dear Mr. Bauer,

We are pleased to present the following proposal to perform a multi-phase "ATS COMPREHENSIVE LEAK DETECTION & LOCATION SURVEY" for the City of Yorkville.

With an "ATS Leak Survey Program" your water conservation program will fast track to its best possible course. Of the three factors that create an "unaccounted for water loss figure" (UAW): System Leakage, Metering Errors, and Accounting Procedures, an "ATS Leak Survey Program" is the most cost-effective and time-efficient measure that a water utility can take to reduce its Unaccounted-for Water Loss. This is water which is treated and pumped out to your customers only to be lost through leaks into the ground and adjacent sewers lines without generating any revenue.

As each newly discovered leak is repaired, the Village will realize immediate returns on your leak survey dollars. In fact, over the years, ATS Leak Surveys have averaged a \$15: \$1 return in recovered water vs. the cost of hiring ATS. Nationwide studies have determined that of these three major factors, a properly performed leak survey will have the biggest positive impact in reducing water loss in the least amount of time while spending a fraction of the cost of a typical meter testing & replacement program. We also recommend that both metering and accounting procedures be assessed as an important part of any comprehensive water system audit. Annual Fire Hydrant Flushing and Flow Testing, plus Valve Assessment Programs will help ensure that your water system operates at peak efficiency.

*"Why Is ATS Your Best Choice?"*

QUALITY: "Quality is never an accident. It is always the result of high intention, sincere effort, intelligent direction, and skillful execution. It represents the wise choice of many alternatives."

ATS has earned its standing as one of the most innovative and successful leak location firms in America. We have conducted literally hundreds of leak surveys in cities of all sizes, ages, and make-ups, all across the Midwest region. Many of these cities have also had experience with other leak survey firms in addition to ATS. In every one of those cities, ATS has never failed to find less than 2 to 10 times the amount of leakage than the competitor's survey that preceded the ATS Survey.

**WATER CONSERVATION SPECIALISTS**

EMERGENCY LEAK PINPOINTING • LEAK DETECTION SURVEYS • UNDERGROUND UTILITY LOCATION • GIS / GPS SURVEYS  
VALVE EXERCISING • CCTV PIPE INSPECTIONS • HYDRANT TESTING & FLUSHING • LOCATION EQUIPMENT SALES & TRAINING

*A Comprehensive ATS Leak Survey is typically accomplished with these steps:*

- Pre-Survey Meeting – conducted with *ATS Survey Project Manager*, to discuss all aspects of the project from methodology, equipment, documentation, and results with the Village.
- The Designated Survey Area is divided up into manageable “survey sub-areas” which are scaled directly from your maps to get the quantity of water main in each area.
- ATS Crews will check in with the Village at the start of every survey workday. You will always know where we will be that day and what kind of progress we are making. Our office never closes. *ATS Crews and Offices are available 24 hours a day / 365 days a year.*
- Ultrasonic Leak Detection Phase of each survey sub-area. We will log every monitored appurtenance, every detected suspect leak site, all map discrepancies and any inaccessible points that need to be found or exposed, so they can be surveyed.
- Map Discrepancies - All appurtenances that are shown incorrectly or not shown at all on your maps will be logged on our survey sheets.
- Computerized Electronic Leak Location Phase – Re-survey every suspect leak site and accurately pinpoint every subsequently detected leak.
- Leak Location Reports are submitted as leaks are located. Leak locations are marked, diagramed, and documented in detail.
- Final Survey Report - Gather Leak Repair Data, Recovery calculations, Leak Locations and assemble Final Report. Present the comprehensive Final Survey Report to the Village

#### WATER SYSTEM DATA AND SURVEY HISTORY

The *New Lenox Water Distribution System* contains 156 lineal miles (836,680 lineal feet) of Gray Cast Iron and Ductile Iron Water Main. All these pipe materials adequately transmit leak sounds for leak detection. The *New Lenox* water system serves a population of 26,141 residents through approx. 8,900 metered water services. This is significant because water service line leaks are the most common leak that we find with *ATS Leak Surveys*.

The water system contains 2,250 Fire Hydrants and 2,160 Mainline Valves. Every single one of them in the designated survey area will be used as primary checkpoints for leak sounds. Every accessible Hydrant Auxiliary Valve will also be monitored for leak sounds. Hundreds of Curb Stops (B-Boxes) will also be checked for leak sounds as needed.

*There are good reasons why choosing ATS makes excellent business sense.*

*Superior Experience* - ATS helped introduce leak location correlators, and subsequently started to specialize in leak detection in 1979. As a result, ATS has performed more leak surveys and pinpointed more leaks with this technology than anyone. ATS developed the leak survey techniques, correlator survey specs and field strategies that have become the standards for the industry. Over the years many of FCS – *Fluid Conservation Systems*' top people including Regional Managers, Sales Staff, Instructors, and their longtime Director of Operations also received training from ATS. FCS also uses ATS for Beta testing new equipment innovations plus software upgrades and developments.

*Conserving Municipal Manpower and Resources* - Many public works departments are already stretched to their limit, providing quality services to your citizens. With our tremendous amount of municipal leak survey experience, ATS frees up your staff so that they can concentrate on their normal duties without distraction. Municipal involvement is normally answering questions and freeing up inaccessible points \ during the location phase on an “as-needed basis”.

*24 Hour Customer Support During and After the Survey* – ATS never has less than two crews on call 24 hours a day / 365 days a year. ATS has a fleet of 10 Correlator Equipped “ATS Leakmobiles” out in the field five days a week. Every mobile van is fully equipped with an experienced and trained two-person crew capable of handling any leak location or utility location situation you will ever have. While other water suppliers typically wait 3 or more hours for our competitors to arrive, ATS is almost always on the scene in 60 - 90 minutes or less of your call for help. No other firm consistently responds to emergencies as quickly as ATS.

*Superior Results* - Like anything in life, the person who practices their craft every day is going to have distinct and measurable advantages over the person that does not do it as often, and subsequently, as well. For 43 years, ATS has been out in the field everyday performing leak surveys, utility locations and leak pinpointing. Subsequently our listening skills are going to be that much more acute. Your survey is more effectively accomplished while we detect more leaks and pinpoint them with more consistent accuracy than a more infrequent correlator operator can do.

- No one listens more intently to every accessible access point than ATS. Therefore, we detect more suspect leak sounds than anyone else.
- No one works at a suspect leak site more aggressively than ATS. Therefore, we turn more suspect leak sounds into confirmed leak locations than anyone else.
- No one spends more time analyzing a suspect leak site as thoroughly as ATS. Therefore no one pinpoints more leaks as accurately as ATS does. For our clients, more precise leak pinpointing means less digging and less restoration costs.
- ATS spends more time performing your leak survey so you can spend less time repairing them and get a greater return in recovering precious water and reducing your water losses.

### ESTIMATE OF COST

The *ATS Comprehensive Leak Survey Program* is the most thorough and successful leak survey program in business on two fronts – *Superior Findings and Consistently Accurate Pinpointing*. Put it all together and you will get the most cost-effective leak survey possible.

OPTION A: All-Inclusive (lump sum) Based Survey Pricing - With this type of contract proposal, the detection phase is a lump sum figure and pinpointing is priced per pinpointed leak. Final billing will be based upon the total amount of surveyed water main. Total price is locked in regardless of the actual total number and types of pinpointed leaks. This is our most popular survey program. Without guaranteed money beyond the detection phase, this unique contract pricing puts the incentive on *ATS* to produce results.

OPTION B: *Incentive-Based Pricing* gives the Village the most flexibility and the opportunity to save money if the water system turns out to be tighter than expected. The Village still wins if it ends up that your water system contains a good number of leaks because you won't spend an extra dollar without getting an accurate leak location in return. Since there are no fee guarantees for *ATS* beyond the detection phase, there is obvious incentive for *ATS* to find as many leaks as possible for the Village. The more leaks we find, the more money you save.

OPTION C: Fire Hydrant Survey allows *ATS* to move through system swiftly and timely. This is your best choice when you have limited funds in your budget. Also allows for repairs to be done in a timely fashion and prepare for the next year's fiscal budget.

#### All-Inclusive Based Pricing

Detection and Location Phase:

836,680 lineal feet of water main @ \$ 0.065 per L.F. = \$ 54,384.20

#### Incentive- Based Pricing

Detection Phase: 836,680 @ \$ 0.037 per lineal foot of water main = \$ 30,957.16

Location Phase: \$ 425.00 per leak that is pinpointed in the field.

\$ 125.00 per leak that is determined to be a leaking Fire Hydrant.

#### Hydrant Survey Only

##### Option C:

Detection Phase: 836,680 per lineal feet of water main @ \$ 0.025 per LF = \$ 20,917.00

Location Phase: \$ 425.00 for Every Pinpointed Main Line and Service Line Leak.

\$ 125.00 for Every Fire Hydrant Leak and Valve Leak.

**SURVEY COMPLETION TIME:** We estimate the *DETECTION PHASE* of the survey can be completed in approximately 35 - 50 workdays (Weather permitting). The duration of the *LOCATION PHASE* will depend upon the number of suspect leak sites to investigate and actual number, type and location of those pinpointed leaks. Based upon our experience, another 15 - 20 workdays for pinpointing are possible.

### Scope of Work

ATS Comprehensive Survey Program: Every fire hydrant, accessible hydrant auxiliary valve, and every mainline valve will be monitored for leak sounds. When a water system starts to get tighter, there is more emphasis on the surveyor to have to dig deeper to find the leaks that are not making obvious leak sounds. This fact makes monitoring every valve essential to finding these tough leaks. Valves are the best quality listening point possible. The thoroughness of this technique ensures that every detectable leak is found.

ULTRASONIC LEAK DETECTION: The existence and general neighborhood of every detected suspect leak is established with *FCS S-30 Ultrasonic Leak Detection Equipment*. A preliminary leak size and leak type classification is also made at that time. A significant difference between an *ATS Leak Survey* and the other surveyors is in the ultrasonic leak detection phase's number of checkpoints. You put yourself in the best position to detect more leaks by listening to as many points as possible, especially mainline valves. No one checks more points for leak sounds as accurately and as thoroughly as *ATS*.

DETECTION SURVEY RECORDS: Every accessible fire hydrant, hydrant auxiliary valve and mainline valve is monitored for suspect leak sounds. B-Boxes are checked only in the vicinity of a detected suspect leak site. Valuable survey and system data is collected and logged on these records. *This data includes* Appurtenance Type and Location, General Conditions Encountered, Accessibility, Map Discrepancies and Leak Sound Characteristics.

COMPUTERIZED LEAK ANALYSIS & PINPOINTING: Every suspect leak site, no matter how slight the sound, is electronically confirmed with one of our 10 computerized *FCS AccuCorr, FCS Tri-Corr 2002, FCS 9090 or Sewerin SeCorr Leak Noise Correlator Systems*. The pinpointing phase begins with ultrasonically resurveying every suspect leak site, electronic Correlator analysis of every suspect leak site to either eliminate a suspect leak site or accurately confirm the presence of the leak and pinpoint its exact location. By analyzing, timing, and measuring leak sound waves simultaneously from two monitoring points, the leak's exact location is pinpointed with unmatched consistent accuracy.

WATER MAIN and VALVE LOCATION: All of the water main and service connections are accurately located in the vicinity of every leak location. This helps ensure that every survey leak is pinpointed as accurately as possible. All utility line location work is expertly performed with *Radiodetection RD7000, RD8000 High Performance Utility Location Systems, Schonstedt, CTS Berger and Radiodetection Ferromagnetic Metal Locators*. *No one works a leak site harder than ATS!*

"X" MARKS THE SPOT! The pinpointed location of every mainline, service line and valve leak will be marked in the field with spray marking paint with an "X". The exceptions are homeowner's side service leaks and hydrant leaks. A *"Leak Location Report"* form documents the location and type, characteristics of every pinpointed leak.

LEAK LOCATION REPORTS: This is an individual report form that details the exact location and characteristics of each pinpointed leak. These forms are submitted daily as the leaks are pinpointed. The *Village* with actual leak repair information updates each *Leak Report* which is used to calculate water loss and revenue recovery data for the *Final Report*

**FINAL REPORT:** Three (3) copies of a comprehensive *FINAL SURVEY REPORT* will be submitted after the completion of the survey. Additional copies are available upon request. Your Final Report will concisely detail all our survey activities and findings, estimated & calculated leak sizes, and revenue recovery calculations for each leak. We also include survey area maps showing leak locations in each area and system-wide leak locations, plus each individual leak location report with Village repair and calculated leak size information, general observations, and recommendations.

**INITIATING THE SURVEY:** We only need your verbal authorization followed by your Purchase Order and / or signed *ATS Leak Survey Contracts*, to schedule your *Pre-Survey Meeting*, and initiate your Survey. The *Pre-Survey Meeting* details all aspects of the survey.

Yours Truly,  
ASSOCIATED TECHNICAL SERVICES LTD.

*Marcia A. Kaplar*

Marcie A. Kaplar  
Survey  
Manager

GENERAL CONDITIONS

LEAK DETECTION & LOCATION SURVEYS

Responsibility of ATS / Associated Technical Services Ltd.

- A) Two-Person crew qualified to operate the *ATS Leak Detection & Location System*.
- B) The “*ATS Leak Detection & Location System*” consists of:
- *FCS S30 Ultrasonic Leak Surveyor Instruments (Leak Detection Phase)*
  - *FCS/Fluid Conservation Systems and Sewerin Leak Noise Correlators (Leak Location Phase)*
  - *FCS and Sewerin Ultrasonic Preamplifiers (Leak Location Phase)*
  - *FCS, Wilcoxon, Vibrometer, Sewerin Accelerometers, Gas Sensors, Hydrophone Sensors*
  - *Radcom FCS SoundSens Programmable Leak Correlation / Localization System*
  - *Radiodetection RD7000 and RD8000 Utility Location Systems; CST Berger, Fisher, Schonstedt and Radiodetection Ferro Magnetic Location Equipment for buried valve enclosures.*
- C) “*ATS Leakmobile*” - Mobile Van with self-contained power supply and /or capability of operating from an alternate VAC 60 Hz source, or suitable alternate vehicle at the discretion of *ATS*.
- D) *Mobilization / Mileage* – Round Trip, Portal-to-Portal and On-Site.
- E) *On-Site Consultation with the Owner* or their representatives, as necessary.
- F) The entire area designated by the *Owner* shall be surveyed for leakage. Detected leaks shall be pinpointed only on that part of the water system maintained by the *Owner*. Unless it is previously specified and ordered, customer service line leaks will only be pinpointed up to the municipal side of the curb stop without additional charges. Leaks on the customer side of the curb stop typically require a separate appointment so *ATS* can contact the service line inside the building.
- G) Only those leaks that are detected by the *ATS Leak Survey* are to be included in the pinpointing phase of this contract. Unless other previous arrangements are made, any pinpointing of any incidentally or coincidentally occurring leakage, main breaks or previously known leakage that was not initially included in our proposal or as a part of this agreement shall be charged at our normal rates for scheduled / emergency service callouts.
- H) If the “*Re-monitoring of Repaired Leak Sites*” service is specified, included in our proposal and ordered, this agreement, leak repairs to that site must be completed within 30 days after that leak’s location report was submitted to the *Owner*. The *Owner* then must notify *ATS* at the time of repairs so re-monitoring can be scheduled. All subsequently detected leakage will be located.
- I) *ATS* will establish and mark the location of a leak or leaks in the field with either marking paint, a field stake and / or written individual “*ATS Leak Location Report*”.
- J) *ATS* will provide basic traffic warning equipment and traffic control and re-direction with flagmen. on an as-needed basis, whenever conditions dictate the necessity of these safety precautions. *ATS Work Zone Safety Equipment* includes but is not limited to safety vests, vehicle arrow boards, strobe warning lights and safety cones that are used whenever our vehicles are parked during the leak survey on residential and other light or slower traffic areas.



## GENERAL CONDITIONS FOR LEAK SURVEYS

### RESPONSIBILITY OF OWNER

The *Owner* will ensure easy access to all main line valves, valve boxes or other strategically necessary access points. This may also include exposing and cleaning out auxiliary valves and b-boxes on an as-needed basis if they will facilitate the accurate confirmation and pinpointing of a detected leak. *This could include* breaking loose needed valve covers; pumping water out all valve vaults and boxes and, if necessary, removing debris from those enclosures to make the valves and adjoining pipelines accessible. The *Owner* will also make access available to any point or location strategically needed by *ATS* to perform said work at the discretion of *ATS*.

- If the *Owner* orders leak pinpointing between the curb stop and the customer's building, the *Owner* shall be responsible for contact with the customer. Pinpointing can be performed on a weekday from 9:00 AM to 1:00 PM without incurring overtime charges.
- The *Owner* will make available to *ATS* all available location maps, schematics, as-built drawings, final reports from previous leak surveys, and any other data pertaining to the area being surveyed. Access to the "IDOT LMO-2" Annual Water Audit Reports is also very helpful.
- The *Owner* will make available knowledgeable, qualified personnel for consultation and assistance regarding the *Owner's* water system.
- Identify the authorized representatives of the *Owner* to act on behalf of the *Owner* and sign *ATS* agreements, purchase orders and additional work orders.
- Give *ATS* right of access, and necessary identification required, and notify appropriate authorities (Police, Fire Dept., Public Works Dept., etc.) as needed of program underway.
- The *Owner* will at its option, provide Traffic Warning Equipment, Traffic Control and Re-Direction with Flagmen on an as-needed basis, should conditions dictate the necessity of this safety precaution. Instances such as a lane closure in a heavy traffic area may require hiring the services of a Work Zone Safety Vendor to provide the necessary traffic control equipment such as barricades, warning lights, arrow panels and temporary barriers. The *Owner* must approve any use of a Work Zone Safety Vendor in advance. *The owner* will be responsible for the costs of the Work Zone Safety Vendor.
- *Owner's* repair crews shall make a reasonable effort to provide *ATS* with accurate leak repair information whenever this data is available. *Repair data should detail the following:* Date of repair; type of leak; approximate size and shape of the leak orifice; approximate water pressure; and method of repair. This information is necessary for *ATS* to make leak size, water loss and revenue recovery calculations for a comprehensive "*Leak Survey Final Report*".

**Please Note:** *ATS* does not guarantee the detection or accurate pinpointing of a leak or leaks but does assure that the best effort in that regard will be put forward.

Certain input data to the *ATS Leak Detection & Location System* is based upon information received from the *Owner*. The accuracy of the *Owner's* data will directly affect the results of the Leak Survey. *ATS* will attempt to verify such data by consultation with the *Owner* and thereupon will have a right to rely upon the accuracy of the *Owner's* data. *ATS* is not liable for any costs to the *Owner* as a result of incomplete or inaccurate data supplied by the *Owner* or their representatives.

Intentionally Left Blank



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #5

Tracking Number

PW 2024-35

### Agenda Item Summary Memo

**Title:** Pavement Management Program Update – Preliminary Engineering Agreement

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Please see the attached memo.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Eric Dhuse Public Works  
Name Department

### Agenda Item Notes:

---

---

---

---

---



# Memorandum

To: Public Works Committee  
From: Eric Dhuse, Director of Public Works  
CC: Bart Olson, City Administrator  
Date: April 10, 2024  
Subject: Pavement Management Update Engineering Agreement

---

## **Summary**

Proposed construction engineering agreement with EEI for the Pavement Management Update.

## **Background**

Attached is the proposed Construction Engineering Agreement for the Pavement Management Update. This update will score the roads for us and assist us in deciding which roads need attention in the 5-year CIP. This will be the second update to the plan, the original work was performed in 2013, an update in 2018, and now an update in 2023.

EEI's proposed contract would manage the project, process and analyze the data, make recommendations, and assist in the budgeting for the projects. The cost for these services would be a fixed fee of \$89,920. This money is budgeted in the approved FY25 budget in the Engineering Services line within the City-Wide Capital Fund.

## **Recommendation**

Staff recommends approval of the construction engineering agreement with EEI for the Pavement Management Update.

***Pavement Management Program Update  
United City of Yorkville  
Professional Services Agreement – Preliminary Engineering***

THIS AGREEMENT, by and between the United City of Yorkville, hereinafter referred to as the "City" or "OWNER" and Engineering Enterprises, Inc. hereinafter referred to as the "Contractor" or "ENGINEER" agrees as follows:

**A. Services:**

ENGINEER agrees to furnish to the City the following services: The ENGINEER shall provide any and all necessary engineering services to the City as indicated on the Scope of Services (Attachment B). Preliminary Engineering for a Pavement Management System update for the City's approximate 120 miles of roadways will be provided.

**B. Term:**

Services will be provided beginning on the date of execution of this agreement and continuing, until terminated by either party upon 7 days written notice to the non-terminating party or upon completion of the Services. Upon termination the Contractor shall be compensated for all work performed for the City prior to termination.

**C. Compensation and maximum amounts due to Contractor:**

ENGINEER shall receive as compensation for all work and services to be performed herein, an amount based on the Estimated Level of Effort and Associated Cost included in Attachment C. Preliminary Engineering will be paid for as a Fixed Fee (FF) in the amount of \$89,920, of which direct expenses are estimated at \$45,500. The hourly rates for this project are shown in the attached 2024 Standard Schedule of Charges (Attachment E). All payments will be made according to the Illinois State Prompt Payment Act and not less than once every thirty days.

**D. Changes in Rates of Compensation:**

In the event that this contract is designated in Section B hereof as an Ongoing Contract, ENGINEER, on or before February 1st of any given year, shall provide written notice of any change in the rates specified in Section C hereof (or on any attachments hereto) and said changes shall only be effective on and after May 1st of that same year.

**E. Ownership of Records and Documents:**

Contractor agrees that all books and records and other recorded information developed specifically in connection with this agreement shall remain the property of the City. Contractor agrees to keep such information confidential and not to disclose or disseminate the information to third parties without the consent of the City. This confidentiality shall not apply to material or information, which would otherwise be subject to public disclosure through the freedom of information act or if already previously disclosed by a third party. Upon termination of this agreement, Contractor agrees to return all such materials to the City. The City agrees not to modify any original documents produced by Contractor without contractors consent. Modifications of any signed duplicate original document not authorized by ENGINEER will be at OWNER's sole risk and without legal liability to the ENGINEER. Use of any incomplete, unsigned document will, likewise, be at the OWNER's sole risk and without legal liability to the ENGINEER.

**F. Governing Law:**

This contract shall be governed and construed in accordance with the laws of the State of Illinois. Venue shall be in Kendall County, Illinois.

**G. Independent Contractor:**

Contractor shall have sole control over the manner and means of providing the work and services performed under this agreement. The City's relationship to the Contractor under this agreement shall be that of an independent contractor. Contractor will not be considered an employee to the City for any purpose.

**H. Certifications:**

Employment Status: The Contractor certifies that if any of its personnel are an employee of the State of Illinois, they have permission from their employer to perform the service.

Anti-Bribery: The Contractor certifies it is not barred under 30 Illinois Compiled Statutes 500/50-5(a) - (d) from contracting as a result of a conviction for or admission of bribery or attempted bribery of an officer or employee of the State of Illinois or any other state.

Loan Default: If the Contractor is an individual, the Contractor certifies that he/she is not in default for a period of six months or more in an amount of \$600 or more on the repayment of any educational loan guaranteed by the Illinois State Scholarship Commission made by an Illinois institution of higher education or any other loan made from public funds for the purpose of financing higher education (5 ILCS 385/3).

**Felony Certification:** The Contractor certifies that it is not barred pursuant to 30 Illinois Compiled Statutes 500/50-10 from conducting business with the State of Illinois or any agency as a result of being convicted of a felony.

**Barred from Contracting:** The Contractor certifies that it has not been barred from contracting as a result of a conviction for bid-rigging or bid rotating under 720 Illinois Compiled Statutes 5/33E or similar law of another state.

**Drug Free Workplace:** The Contractor certifies that it is in compliance with the Drug Free Workplace Act (30 Illinois Compiled Statutes 580) as of the effective date of this contract. The Drug Free Workplace Act requires, in part, that Contractors, with 25 or more employees certify and agree to take steps to ensure a drug free workplace by informing employees of the dangers of drug abuse, of the availability of any treatment or assistance program, of prohibited activities and of sanctions that will be imposed for violations; and that individuals with contracts certify that they will not engage in the manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of the contract.

**Non-Discrimination, Certification, and Equal Employment Opportunity:** The Contractor agrees to comply with applicable provisions of the Illinois Human Rights Act (775 Illinois Compiled Statutes 5), the U.S. Civil Rights Act, the Americans with Disabilities Act, Section 504 of the U.S. Rehabilitation Act and the rules applicable to each. The equal opportunity clause of Section 750.10 of the Illinois Department of Human Rights Rules is specifically incorporated herein. The Contractor shall comply with Executive Order 11246, entitled Equal Employment Opportunity, as amended by Executive Order 11375, and as supplemented by U.S. Department of Labor regulations (41 C.F.R. Chapter 60). The Contractor agrees to incorporate this clause into all subcontracts under this Contract.

**International Boycott:** The Contractor certifies that neither it nor any substantially owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act (30 ILCS 582).

**Record Retention and Audits:** If 30 Illinois Compiled Statutes 500/20-65 requires the Contractor (and any subcontractors) to maintain, for a period of 3 years after the later of the date of completion of this Contract or the date of final payment under the Contract, all books and records relating to the performance of the Contract and necessary to support amounts charged to the City under the Contract. The Contract and all books and records related to the Contract shall be available for review and audit by the City and the Illinois Auditor General. If this Contract is funded from contract/grant funds provided by the U.S. Government, the Contract, books, and records shall be available for review and audit by the Comptroller General of the U.S. and/or the Inspector General of the federal

sponsoring agency. The Contractor agrees to cooperate fully with any audit and to provide full access to all relevant materials.

United States Resident Certification: (This certification must be included in all contracts involving personal services by non-resident aliens and foreign entities in accordance with requirements imposed by the Internal Revenue Services for withholding and reporting federal income taxes.) The Contractor certifies that he/she is a: ☒ United States Citizen ☐ Resident Alien ☐ Non-Resident Alien The Internal Revenue Service requires that taxes be withheld on payments made to non resident aliens for the performance of personal services at the rate of 30%.

Tax Payer Certification : Under penalties of perjury, the Contractor certifies that its Federal Tax Payer Identification Number or Social Security Number is (provided separately) and is doing business as a (check one): ☐ Individual ☐ Real Estate Agent ☐ Sole Proprietorship ☐ Government Entity ☐ Partnership ☐ Tax Exempt Organization (IRC 501(a) only) ☒ Corporation ☐ Not for Profit Corporation ☐ Trust or Estate ☐ Medical and Health Care Services Provider Corp.

#### **I. Indemnification:**

Contractor shall indemnify and hold harmless the City and City's agents, servants, and employees against all loss, damage, and expense which it may sustain or for which it will become liable on account of injury to or death of persons, or on account of damage to or destruction of property resulting from the performance of work under this agreement by Contractor or its Subcontractors, or due to or arising in any manner from the wrongful act or negligence of Contractor or its Subcontractors of any employee of any of them. In the event that the either party shall bring any suit, cause of action or counterclaim against the other party, the non-prevailing party shall pay to the prevailing party the cost and expenses incurred to answer and/or defend such action, including reasonable attorney fees and court costs. In no event shall the either party indemnify any other party for the consequences of that party's negligence, including failure to follow the ENGINEER's recommendations.

#### **J. Insurance:**

The ENGINEER agrees that it has either attached a copy of all required insurance certificates or that said insurance is not required due to the nature and extent of the types of services rendered hereunder. (Not applicable as having been previously supplied)

#### **K. Additional Terms or Modification:**

The terms of this agreement shall be further modified as provided on the attached Exhibits. Except for those terms included on the Exhibits, no additional terms are



included as a part of this agreement. All prior understandings and agreements between the parties are merged into this agreement, and this agreement may not be modified orally or in any manner other than by an agreement in writing signed by both parties. In the event that any provisions of this agreement shall be held to be invalid or unenforceable, the remaining provisions shall be valid and binding on the parties. The list of Attachments are as follows:

- Attachment A:** Standard Terms and Conditions
- Attachment B:** Scope of Services
- Attachment C:** Estimate of Level of Effort and Associated Cost
- Attachment D:** Estimated Schedule
- Attachment E:** 2024 Standard Schedule of Charges

**L. Notices:**

All notices required to be given under the terms of this agreement shall be given mail, addressed to the parties as follows:

For the City:

City Administrator and City Clerk  
United City of Yorkville  
651 Prairie Pointe Drive  
Yorkville, IL 60560

For the ENGINEER:

Engineering Enterprises, Inc.  
52 Wheeler Road  
Sugar Grove Illinois 60554

Either of the parties may designate in writing from time to time substitute addresses or persons in connection with required notices.

Agreed to this \_\_\_\_ day of \_\_\_\_\_, 2024.

United City of Yorkville:

Engineering Enterprises, Inc.:

\_\_\_\_\_  
John Purcell  
Mayor

\_\_\_\_\_  
Brad Sanderson, PE  
Chief Operating Officer / President

\_\_\_\_\_  
Jori Behland  
City Clerk

\_\_\_\_\_  
Angie Smith  
Executive Assistant

## STANDARD TERMS AND CONDITIONS

**Agreement:** These Standard Terms and Conditions, together with the Professional Services Agreement, constitute the entire integrated agreement between the OWNER and Engineering Enterprises, Inc. (EEI) (hereinafter "Agreement"), and take precedence over any other provisions between the Parties. These terms may be amended, but only if both parties consent in writing.

**Standard of Care:** In providing services under this Agreement, the ENGINEER will endeavor to perform in a matter consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under same circumstances in the same locality. ENGINEER makes no other warranties, express or implied, written or oral under this Agreement or otherwise, in connection with ENGINEER'S service.

**Construction Engineering and Inspection:** The ENGINEER shall not supervise, direct, control, or have authority over any contractor work, nor have authority over or be responsible for the means, methods, techniques sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety of the site, nor for any failure of a contractor to comply with laws and regulations applicable to such contractor's furnishing and performing of its work.

The ENGINEER neither guarantees the performance of any contractor nor assumes responsibility for contractor's failure to furnish and perform the work in accordance with the contract documents.

The ENGINEER is not responsible for the acts or omissions of any contractor, subcontractor, or supplies, or any of their agents or employees or any other person at the site or otherwise furnishing or performing any work.

Shop drawing and submittal review by the ENGINEER shall apply to only the items in the submissions and only for the purpose of assessing if upon installation or incorporation in the project work they are generally consistent with the construction documents. OWNER agrees that the contractor is solely responsible for the submissions and for compliance with the construction documents. OWNER further agrees that the ENGINEER'S review and action in relation to these submissions shall not constitute the provision of means, methods, techniques, sequencing or procedures of construction or extend or safety programs or precautions. The ENGINEER'S consideration of a component does not constitute acceptance of the assembled items.

The ENGINEER'S site observation during construction shall be at the times agreed upon in the Project Scope. Through standard, reasonable means the ENGINEER will become generally familiar with observable completed work. If the ENGINEER observes completed work that is inconsistent with the construction documents, that information shall be communicated to the contractor and OWNER for them to address.

**Opinion of Probable Construction Costs:** ENGINEER'S opinion of probable construction costs represents ENGINEER'S best and reasonable judgment as a professional engineer. OWNER acknowledges that ENGINEER has no control over construction costs of contractor's methods of determining pricing, or over competitive bidding by contractors, or of market conditions or changes thereto. ENGINEER cannot and does not guarantee that proposals, bids or actual construction costs will not vary from ENGINEER'S opinion of probable construction costs.

**Copies of Documents & Electronic Compatibility:** Copies of Documents that may be relied upon by OWNER are limited to the printed copies (also known as hard copies) that are signed or sealed by the ENGINEER. Files in electronic media format of text, data, graphics, or of other types that are furnished by ENGINEER to OWNER are only for convenience of OWNER. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. When transferring documents in electronic media format, ENGINEER makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by ENGINEER at the beginning of the project.

**Changed Conditions:** If, during the term of this Agreement, circumstances or conditions that were not originally contemplated by or known to the ENGINEER are revealed, to the extent that they affect the scope of services, compensation, schedule, allocation of risks, or other material terms of this Agreement, the ENGINEER may call for renegotiation of appropriate portions of this Agreement. The ENGINEER shall notify the OWNER of the changed conditions necessitating renegotiation, and the ENGINEER and the OWNER shall promptly and in good faith enter into renegotiation of this Agreement to address the changed conditions. If terms cannot be agreed to, the parties agree that either party has the absolute right to terminate this Agreement, in accordance with the termination provision hereof.

**Hazardous Conditions:** OWNER represents to ENGINEER that to the best of its knowledge no Hazardous Conditions (environmental or otherwise) exist on the project site. If a Hazardous Condition is encountered or alleged, ENGINEER shall have the obligation to notify OWNER and, to the extent of applicable Laws and Regulations, appropriate governmental officials. It is acknowledged by both parties that ENGINEER's scope of services does not include any services related to a Hazardous Condition. In the event ENGINEER or any other party encounters a Hazardous Condition, ENGINEER may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the project affected thereby until OWNER: (i) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or remove the Hazardous Condition; and (ii) warrants that the project site is in full compliance with applicable Laws and Regulations.

**Consequential Damages:** Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ENGINEER, their respective officers, directors, partners, employees, contractors, or subcontractors shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of

profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the OWNER and the ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

**Termination:** This Agreement may be terminated for convenience, without cause, upon fourteen (14) days written notice of either party. In the event of termination, the ENGINEER shall prepare a final invoice and be due compensation as set forth in the Professional Services Agreement for all costs incurred through the date of termination.

Either party may terminate this Agreement for cause upon giving the other party not less than seven (7) calendar days' written notice for the following reasons:

- (a) Substantial failure by the other party to comply with or perform in accordance with the terms of the Agreement and through no fault of the terminating party;
- (b) Assignment of the Agreement or transfer of the project without the prior written consent of the other party;
- (c) Suspension of the project or the ENGINEER'S services by the OWNER for a period of greater than ninety (90) calendar days, consecutive or in the aggregate.
- (d) Material changes in the conditions under which this Agreement was entered into, the scope of services or the nature of the project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

**Payment of Invoices:** Invoices are due and payable within 30 days of receipt unless otherwise agreed to in writing.

**Third Party Beneficiaries:** Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the OWNER or the ENGINEER. The ENGINEER'S services under this Agreement are being performed solely and exclusively for the OWNER'S benefit, and no other party or entity shall have any claim against the ENGINEER because of this Agreement or the performance or nonperformance of services hereunder. The OWNER and ENGINEER agree to require a similar provision in all contracts with contractors, subcontractors, vendors and other entities involved in this Project to carry out the intent of this provision.

**Force Majeure:** Each Party shall be excused from the performance of its obligations under this Agreement to the extent that such performance is prevented by force majeure (defined below) and the nonperforming party promptly provides notice of such prevention to the other party. Such excuse shall be continued so long as the condition constituting force majeure continues. The party affected by such force majeure also shall notify the other party of the anticipated duration of such force majeure, any actions being taken to avoid or minimize its effect after such occurrence, and shall take reasonable efforts to remove the condition constituting such force majeure. For purposes of this Agreement, "force majeure" shall include conditions beyond the control of the parties, including an act of God, acts of terrorism, voluntary or involuntary compliance with any regulation, law or order of any government, war, acts of war (whether war be declared or not), labor strike or lock-out, civil commotion, epidemic, failure or default of public utilities or common carriers, destruction of production facilities or materials by fire, earthquake, storm or like catastrophe. The payment of invoices due and owing hereunder shall in no event be delayed by the payer because of a force majeure affecting the payer.

**Additional Terms or Modification:** All prior understandings and agreements between the parties are merged into this Agreement, and this Agreement may not be modified orally or in any manner other than by an Agreement in writing signed by both parties. In the event that any provisions of this Agreement shall be held to be invalid or unenforceable, the remaining provisions shall be valid and binding on the parties.

**Assignment:** Neither party to this Agreement shall transfer or assign any rights or duties under or interest in this Agreement without the prior written consent of the other party. Subcontracting normally contemplated by the ENGINEER shall not be considered an assignment for purposes of this Agreement.

**Waiver:** A party's waiver of, or the failure or delay in enforcing any provision of this Agreement shall not constitute a waiver of the provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

**Attorney's Fees:** In the event of any action or proceeding brought by either party against the other under this Agreement, the prevailing party shall be entitled to recover from the other all costs and expenses including without limitation the reasonable fees of its attorneys in such action or proceeding, including costs of appeal, if any, in such amount as the Court may adjudge reasonable.

**Fiduciary Duty:** Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed to either party to the other party. EEI makes no warranty, express or implied, as to its professional services rendered.

**Headings:** The headings used in this Agreement are inserted only as a matter of convenience only, and in no way define, limit, enlarge, modify, explain or define the text thereof nor affect the construction or interpretation of this Agreement.

**Pavement Management Program Update  
United City of Yorkville, IL  
Professional Services Agreement - Preliminary Engineering**

**Attachment B – Scope of Services**

**1. Project Management and Coordination**

- Budget Tracking
- Management of Personnel and the Engineering Contract
- Coordination with the City
- Coordination with Sub-Consultants

**2. Project Meetings**

- Kick-Off Meeting with IMS and City Staff
- Progress Meeting to Review Data with City Staff
- Progress Meeting to Review Project Budgeting & 5-Year Plan with City Staff

**3. Yearly Pavement Management Update**

- Update City's Pavement Management Database
- Gather Most Up to Date Budget Information
- Update Roadway Costs Based on Current Unit Prices
- Finalize 2025 Roadway Program and Get Approval from City Council

**4. Data Inventory & Processing**

- Perform Surface Condition Assessment on City Maintained Streets (includes 2-passes on all roads)
- Conduct Pavement Surface Distress Testing including the following:
  - Linear Cracking,
  - Fatigue Cracking
  - Block Cracking
  - Rutting
  - Raveling
- Distresses Will be Captures by Type, Extent and Severity
- Gather Asset Management Information
  - Crosswalks
  - Parkway Trees
- Obtain Photographs at 25' Intervals
- Identify Other Appurtenances and Include General Notes Regarding Items such as Presence of Curbing and Type of Roadway Surface

**5. Data Analysis/Condition Evaluation**

- Utilize Road Inspection Pavement Distress Detection to determine PCI Calculation for Each Street (0-100)
- Perform QC/QA check on all data in comparison to 2019 Pavement Management Study
- Make Future Condition Projections
- Meet with City Staff to Review Data for Any Discrepancies or Issues

**6. Budgeting**

- Review Past Road Program Budgets with City Staff

- Run Different Budget Scenarios for New 5-Year Plan
- Establish Unit Costs Based on Local Cost Factors and Historical Bid Tabs
- Compute Conceptual Cost Estimates Based on Factors Above

#### **7. Five Year Plan Development**

- Compile and Tabulate a Priority Listing of the Maintenance, Rehabilitation or Reconstruction Request For Each Street in the Program System
- Meet with City Staff to Determine Future Priorities for Rehabilitation Work and Determine Draft 5-Year Plan
- Develop Draft 5-Year Plan for Repair of the System Streets That Takes Into Account Different Funding Scenarios

#### **8. Final Memo and Exhibits**

- Make Revisions to Draft 5-Year Plan based on Input from City Staff
- Put Together Final 5-Year Plan, Memo and Exhibits for Approval by City Council
- Provide a Presentation to the City Council for Final 5-Year Plan Approval

#### **9. GIS Integration**

- Integrate Pavement Inspection Data into City's GIS Database
- Integrate Paving History and 5-Year Plan into City's GIS Database

## ATTACHMENT C: ESTIMATED LEVEL OF EFFORT AND ASSOCIATED COST PROFESSIONAL ENGINEERING SERVICES

CLIENT	PROJECT NUMBER	
United City of Yorkville	YO2413-P	
PROJECT TITLE	DATE	PREPARED BY
Pavement Management Program Update	4/5/24	CJO

TASK NO.	TASK DESCRIPTION	ROLE	PIC	PM	SPE 1	PE	SPT 2	ST	ADMIN	HOURS	COST
		PERSON									
		RATE	\$246	\$210	\$186	\$168	\$175	\$140	\$72		
PRELIMINARY ENGINEERING											
1.1	Project Management and Coordination		4	12						16	\$ 3,504
1.2	Project Meetings		4	4		6				14	\$ 2,832
1.3	Yearly Pavement Management Update		2	8	8	16		6		40	\$ 7,188
1.4	Data Inventory and Processing			2		4	2	4		12	\$ 2,002
1.5	Data Analysis & Condition Evaluation			2		6				8	\$ 1,428
1.6	Budgeting		2	6	8	8				24	\$ 4,584
1.7	Five Year Plan Development		2	12	8	28	2	6		58	\$ 10,394
1.8	Final Memo and Exhibits		2	12	8	28	2	6	4	62	\$ 10,682
1.9	GIS Integration					2	2	8		12	\$ 1,806
Insert Task Subtotal:			16	58	32	98	8	30	4	246	\$ 44,420
PROJECT TOTAL:			16	58	32	98	8	30	4	246	44,420

### EEI STAFF

PIC Principal In Charge  
 PM Project Manager  
 SPE 1 Senior Project Engineer I  
 PE Project Engineer  
 SPT 2 Senior Project Technician II  
 ST Senior Technician  
 ADMIN Administrative Assistant

### DIRECT EXPENSES

Printing/Scanning = \$ 500  
 IMS (Data Collection) = \$ 45,000

**DIRECT EXPENSES = \$ 45,500**

### LABOR SUMMARY

EEI Labor Expenses = \$ 44,420  
**TOTAL LABOR EXPENSES \$ 44,420**

**TOTAL COSTS \$ 89,920**



## ATTACHMENT D: ESTIMATED SCHEDULE

CLIENT							PROJECT NUMBER				
United City of Yorkville							YO2413-P				
PROJECT TITLE							DATE		PREPARED BY		
Pavement Management Program Update							4/5/24		CJO		
TASK NO.	TASK DESCRIPTION										
		2024								2025	
		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
1.1	Project Management and Coordination										
1.2	Project Meetings										
1.3	Yearly Pavement Management Update										
1.4	Data Inventory and Processing										
1.5	Data Analysis & Condition Evaluation										
1.6	Budgeting										
1.7	Five Year Plan Development										
1.8	Final Memo and Exhibits										
1.9	GIS Integration										







# Engineering Enterprises, Inc.

ATTACHMENT E

STANDARD SCHEDULE OF CHARGES ~ JANUARY 1, 2024



EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	\$246.00
Principal	E-3	\$241.00
Senior Project Manager	E-2	\$234.00
Project Manager	E-1	\$210.00
Senior Project Engineer/Surveyor II	P-6	\$200.00
Senior Project Engineer/Surveyor I	P-5	\$186.00
Project Engineer/Surveyor	P-4	\$168.00
Senior Engineer/Surveyor	P-3	\$155.00
Engineer/Surveyor	P-2	\$140.00
Associate Engineer/Surveyor	P-1	\$127.00
Senior Project Technician II	T-6	\$175.00
Senior Project Technician I	T-5	\$164.00
Project Technician	T-4	\$153.00
Senior Technician	T-3	\$140.00
Technician	T-2	\$127.00
Associate Technician	T-1	\$111.00
GIS Technician II	G-2	\$125.00
GIS Technician I	G-1	\$114.00
Engineering/Land Surveying Intern	I-1	\$ 82.00
Executive Administrative Assistant	A-4	\$ 77.00
Administrative Assistant	A-3	\$ 72.00

## VEHICLES. REPROGRAPHICS, DIRECT COSTS, DRONE AND EXPERT TESTIMONY

Vehicle for Construction Observation		\$ 20.00
In-House Scanning and Reproduction	\$0.25/Sq. Ft. (Black & White)	
	\$1.00/Sq. Ft. (Color)	
Reimbursable Expenses (Direct Costs)	Cost	
Services by Others (Direct Costs)	Cost + 10%	
Unmanned Aircraft System / Unmanned Aerial Vehicle / Drone		\$ 225.00
Expert Testimony		\$ 275.00



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #6

Tracking Number

PW 2024-36

### Agenda Item Summary Memo

**Title:** Kennedy Road and Freedom Place Intersection Improvements

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Kennedy Road and Freedom Place Intersection Improvements – Recommendation  
of Award

#### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** \_\_\_\_\_

**Council Action Requested:** Consideration of Contract Award

**Submitted by:** Brad Sanderson Engineering  
Name Department

#### Agenda Item Notes:

---

---

---

---

---



# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Jori Behland, City Clerk  
Rob Fredrickson, Finance Director

Date: April 8, 2024  
Subject: Kennedy Road and Freedom Place Intersection Improvements

---

Bids were received, opened and tabulated for work to be done on the Kennedy Road and Freedom Place Intersection Improvements at 10:00 a.m., April 8, 2024. Representatives of contractors bidding the project and our firm were in attendance. A tabulation of the bids and the engineer's estimate is attached for your information and record. The low bid was below our Engineer's Estimate and within the FY2025 budget.

We recommend the acceptance of the bid and approval of award be made to the low bidder, "D" Construction, Inc., 1488 So. Broadway, Coal City, IL 60416, in the total amount of **\$567,530.89**.

If you have any questions or require additional information, please let us know.

<b>BID SUMMARY</b> <b>KENNEDY ROAD AND FREEDOM PLACE INTERSECTION IMPROVEMENTS</b> <b>UNITED CITY OF YORKVILLE</b>				
BID TABULATION BIDS RECEIVED 10:00 A.M. 04/08/24	<b>ENGINEER'S ESTIMATE</b> 52 Wheeler Road Sugar Grove, IL 60554	<b>GENEVA CONSTRUCTION</b> 1350 Aurora Ave Aurora, IL 60505	<b>D CONSTRUCTION</b> 1488 S. Broadway Coal City, IL 60416	<b>BUILDERS PAVING, LLC</b> 4413 Roosevelt Road Suite 108 Hillside, IL 60514
<b>TOTAL BID</b>	\$724,707.65	\$592,433.83	\$567,530.89	\$682,000.88
<b>BID BOND</b>	N/A	X	X	X
<b>SIGNED BID</b>	N/A	X	X	X
	<b>CURRAN CONTRACTING CO.</b> 286 Memorial Court Crystal Lake, IL 60014			
<b>TOTAL BID</b>	\$684,376.38			
<b>BID BOND</b>	X			
<b>SIGNED BID</b>	X			

<b>BID TABULATION</b> <b>KENNEDY ROAD AND FREEDOM PLACE INTERSECTION IMPROVEMENTS</b> <b>UNITED CITY OF YORKVILLE</b>													
		BID TABULATION BIDS REC'D 4/8/2024		<b>D CONSTRUCTION</b> 1488 S. Broadway Coal City, IL 60416		<b>GENEVA CONSTRUCTION</b> 1350 Aurora Ave Aurora, IL 60505		<b>BUILDERS PAVING, LLC</b> 4413 Roosevelt Road Suite 108 Hillside, IL 60514		<b>CURRAN CONTRACTING CO.</b> 286 Memorial Court Crystal Lake, IL 60014		<b>ENGINEER'S ESTIMATE</b> 52 Wheeler Road Sugar Grove, IL 60554	
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	326	\$ 26.40	\$ 8,606.40	\$ 22.75	\$ 7,416.50	\$ 22.75	\$ 7,416.50	\$ 24.00	\$ 7,824.00	\$ 40.00	\$ 13,040.00
2	NITROGEN FERTILIZER NUTRIENT	POUND	69	\$ 2.20	\$ 151.80	\$ 3.00	\$ 207.00	\$ 2.00	\$ 138.00	\$ 3.00	\$ 207.00	\$ 3.00	\$ 207.00
3	PHOSPHORUS FERTILIZER NUTRIENT	POUND	69	\$ 2.20	\$ 151.80	\$ 3.00	\$ 207.00	\$ 2.00	\$ 138.00	\$ 3.00	\$ 207.00	\$ 3.00	\$ 207.00
4	POTASSIUM FERTILIZER NUTRIENT	POUND	69	\$ 2.20	\$ 151.80	\$ 3.00	\$ 207.00	\$ 2.00	\$ 138.00	\$ 3.00	\$ 207.00	\$ 3.00	\$ 207.00
5	EARTH EXCAVATION	CU YD	465	\$ 40.00	\$ 18,600.00	\$ 55.00	\$ 25,575.00	\$ 80.00	\$ 37,200.00	\$ 85.00	\$ 39,525.00	\$ 70.00	\$ 32,550.00
6	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	832	\$ 40.00	\$ 33,280.00	\$ 50.00	\$ 41,600.00	\$ 55.00	\$ 45,760.00	\$ 40.00	\$ 33,280.00	\$ 50.00	\$ 41,600.00
7	POROUS GRANULAR EMBANKMENT	CU YD	465	\$ 50.00	\$ 23,250.00	\$ 55.00	\$ 25,575.00	\$ 35.00	\$ 16,275.00	\$ 60.00	\$ 27,900.00	\$ 75.00	\$ 34,875.00
8	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,046	\$ 3.00	\$ 6,138.00	\$ 2.00	\$ 4,092.00	\$ 2.00	\$ 4,092.00	\$ 1.25	\$ 2,557.50	\$ 3.00	\$ 6,138.00
9	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	3,722	\$ 12.10	\$ 45,036.20	\$ 10.74	\$ 39,974.28	\$ 11.00	\$ 40,942.00	\$ 6.00	\$ 22,332.00	\$ 15.00	\$ 55,830.00
10	SEEDING, CLASS 2A	ACRE	0.8	\$ 2,662.00	\$ 2,129.60	\$ 4,500.00	\$ 3,600.00	\$ 3,611.00	\$ 2,888.80	\$ 4,500.00	\$ 3,600.00	\$ 6,000.00	\$ 4,800.00
11	EROSION CONTROL BLANKET	SQ YD	3,399	\$ 2.75	\$ 9,347.25	\$ 3.25	\$ 11,046.75	\$ 1.50	\$ 5,098.50	\$ 3.55	\$ 12,066.45	\$ 2.00	\$ 6,798.00
12	TURF REINFORCEMENT MAT	SQ YD	323	\$ 6.60	\$ 2,131.80	\$ 8.50	\$ 2,745.50	\$ 4.50	\$ 1,453.50	\$ 9.00	\$ 2,907.00	\$ 15.00	\$ 4,845.00
13	TEMPORARY EROSION CONTROL SEEDING	POUND	77	\$ 11.00	\$ 847.00	\$ 3.00	\$ 231.00	\$ 6.00	\$ 462.00	\$ 3.00	\$ 231.00	\$ 6.50	\$ 500.50
14	TEMPORARY DITCH CHECKS	FOOT	210	\$ 19.80	\$ 4,158.00	\$ 12.00	\$ 2,520.00	\$ 8.00	\$ 1,680.00	\$ 12.00	\$ 2,520.00	\$ 20.00	\$ 4,200.00
15	PERIMETER EROSION BARRIER	FOOT	2,435	\$ 2.75	\$ 6,696.25	\$ 3.00	\$ 7,305.00	\$ 2.00	\$ 4,870.00	\$ 3.00	\$ 7,305.00	\$ 5.00	\$ 12,175.00
16	INLET AND PIPE PROTECTION	EACH	8	\$ 198.00	\$ 1,584.00	\$ 210.00	\$ 1,680.00	\$ 250.00	\$ 2,000.00	\$ 210.00	\$ 1,680.00	\$ 275.00	\$ 2,200.00
17	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,486	\$ 17.00	\$ 25,262.00	\$ 23.07	\$ 34,282.02	\$ 26.00	\$ 38,636.00	\$ 35.00	\$ 52,010.00	\$ 25.00	\$ 37,150.00
18	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	560	\$ 12.00	\$ 6,720.00	\$ 12.00	\$ 6,720.00	\$ 18.00	\$ 10,080.00	\$ 15.00	\$ 8,400.00	\$ 11.00	\$ 6,160.00
19	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	1,486	\$ 26.00	\$ 38,636.00	\$ 38.00	\$ 56,468.00	\$ 30.00	\$ 44,580.00	\$ 45.00	\$ 66,870.00	\$ 55.00	\$ 81,730.00
20	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,443	\$ 0.01	\$ 34.43	\$ 0.01	\$ 34.43	\$ 0.01	\$ 34.43	\$ 0.01	\$ 34.43	\$ 0.75	\$ 2,582.25
21	LONGITUDINAL JOINT SEALANT	FOOT	3,388	\$ 7.70	\$ 26,087.60	\$ 4.00	\$ 13,552.00	\$ 3.75	\$ 12,705.00	\$ 3.75	\$ 12,705.00	\$ 4.00	\$ 13,552.00
22	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	41	\$ 0.01	\$ 0.41	\$ 32.00	\$ 1,312.00	\$ 35.00	\$ 1,435.00	\$ 21.00	\$ 861.00	\$ 30.00	\$ 1,230.00
23	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	450	\$ 75.00	\$ 33,750.00	\$ 100.00	\$ 45,000.00	\$ 125.00	\$ 56,250.00	\$ 100.00	\$ 45,000.00	\$ 80.00	\$ 36,000.00
24	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	520	\$ 85.00	\$ 44,200.00	\$ 100.00	\$ 52,000.00	\$ 140.00	\$ 72,800.00	\$ 85.00	\$ 44,200.00	\$ 85.00	\$ 44,200.00
25	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	318	\$ 20.00	\$ 6,360.00	\$ 15.00	\$ 4,770.00	\$ 23.00	\$ 7,314.00	\$ 23.00	\$ 7,314.00	\$ 16.00	\$ 5,088.00
26	DETECTABLE WARNINGS	SQ FT	48	\$ 50.00	\$ 2,400.00	\$ 45.00	\$ 2,160.00	\$ 40.00	\$ 1,920.00	\$ 40.00	\$ 1,920.00	\$ 45.00	\$ 2,160.00
27	PAVEMENT REMOVAL	SQ YD	168	\$ 20.00	\$ 3,360.00	\$ 20.00	\$ 3,360.00	\$ 61.00	\$ 10,248.00	\$ 60.00	\$ 10,080.00	\$ 40.00	\$ 6,720.00
28	DRIVEWAY PAVEMENT REMOVAL	SQ YD	278	\$ 20.00	\$ 5,560.00	\$ 11.35	\$ 3,155.30	\$ 12.00	\$ 3,336.00	\$ 17.00	\$ 4,726.00	\$ 20.00	\$ 5,560.00
29	COMBINATION CURB AND GUTTER REMOVAL	FOOT	168	\$ 10.00	\$ 1,680.00	\$ 8.00	\$ 1,344.00	\$ 25.00	\$ 4,200.00	\$ 16.00	\$ 2,688.00	\$ 13.00	\$ 2,184.00
30	SIDEWALK REMOVAL	SQ FT	301	\$ 5.00	\$ 1,505.00	\$ 1.50	\$ 451.50	\$ 6.00	\$ 1,806.00	\$ 3.50	\$ 1,053.50	\$ 5.00	\$ 1,505.00
31	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	828	\$ 9.00	\$ 7,452.00	\$ 22.00	\$ 18,216.00	\$ 11.50	\$ 9,522.00	\$ 17.00	\$ 14,076.00	\$ 15.00	\$ 12,420.00
32	PIPE CULVERT REMOVAL	FOOT	33	\$ 20.00	\$ 660.00	\$ 43.00	\$ 1,419.00	\$ 135.00	\$ 4,455.00	\$ 200.00	\$ 6,600.00	\$ 40.00	\$ 1,320.00

BID TABULATION KENNEDY ROAD AND FREEDOM PLACE INTERSECTION IMPROVEMENTS UNITED CITY OF YORKVILLE													
		BID TABULATION BIDS REC'D 4/8/2024		D CONSTRUCTION 1488 S. Broadway Coal City, IL 60416		GENEVA CONSTRUCTION 1350 Aurora Ave Aurora, IL 60505		BUILDERS PAVING, LLC 4413 Roosevelt Road Suite 108 Hillside, IL 60514		CURRAN CONTRACTING CO. 286 Memorial Court Crystal Lake, IL 60014		ENGINEER'S ESTIMATE 52 Wheeler Road Sugar Grove, IL 60554	
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
33	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	\$ 2,000.00	\$ 2,000.00	\$ 1,795.00	\$ 1,795.00	\$ 2,700.00	\$ 2,700.00	\$ 4,000.00	\$ 4,000.00	\$ 1,500.00	\$ 1,500.00
34	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	495	\$ 80.00	\$ 39,600.00	\$ 97.00	\$ 48,015.00	\$ 47.00	\$ 23,265.00	\$ 70.00	\$ 34,650.00	\$ 90.00	\$ 44,550.00
35	STORM SEWERS, CLASS B, TYPE 1 6"	FOOT	20	\$ 100.00	\$ 2,000.00	\$ 51.00	\$ 1,020.00	\$ 115.00	\$ 2,300.00	\$ 170.00	\$ 3,400.00	\$ 75.00	\$ 1,500.00
36	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	\$ 500.00	\$ 500.00	\$ 560.00	\$ 560.00	\$ 1,100.00	\$ 1,100.00	\$ 1,650.00	\$ 1,650.00	\$ 800.00	\$ 800.00
37	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	\$ 4,000.00	\$ 4,000.00	\$ 3,315.00	\$ 3,315.00	\$ 8,500.00	\$ 8,500.00	\$ 13,000.00	\$ 13,000.00	\$ 7,500.00	\$ 7,500.00
38	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	\$ 2,000.00	\$ 6,000.00	\$ 2,406.00	\$ 7,218.00	\$ 2,100.00	\$ 6,300.00	\$ 3,100.00	\$ 9,300.00	\$ 2,000.00	\$ 6,000.00
39	INLETS TO BE ADJUSTED	EACH	2	\$ 1,000.00	\$ 2,000.00	\$ 636.00	\$ 1,272.00	\$ 1,050.00	\$ 2,100.00	\$ 1,555.00	\$ 3,110.00	\$ 1,200.00	\$ 2,400.00
40	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	198	\$ 40.00	\$ 7,920.00	\$ 50.00	\$ 9,900.00	\$ 60.00	\$ 11,880.00	\$ 58.65	\$ 11,612.70	\$ 55.00	\$ 10,890.00
41	SHORT TERM PAVEMENT MARKING	FOOT	1,156	\$ 0.01	\$ 11.56	\$ 1.15	\$ 1,329.40	\$ 1.00	\$ 1,156.00	\$ 0.35	\$ 404.60	\$ 1.00	\$ 1,156.00
42	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	249	\$ 0.01	\$ 2.49	\$ 1.75	\$ 435.75	\$ 5.00	\$ 1,245.00	\$ 2.50	\$ 622.50	\$ 4.00	\$ 996.00
43	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	2,190	\$ 0.01	\$ 21.90	\$ 0.50	\$ 1,095.00	\$ 0.85	\$ 1,861.50	\$ 0.10	\$ 219.00	\$ 1.75	\$ 3,832.50
44	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	78	\$ 5.50	\$ 429.00	\$ 6.00	\$ 468.00	\$ 5.00	\$ 390.00	\$ 5.00	\$ 390.00	\$ 6.50	\$ 507.00
45	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,129	\$ 1.00	\$ 6,129.00	\$ 1.00	\$ 6,129.00	\$ 0.90	\$ 5,516.10	\$ 0.90	\$ 5,516.10	\$ 1.60	\$ 9,806.40
46	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	473	\$ 1.22	\$ 577.06	\$ 1.50	\$ 709.50	\$ 1.10	\$ 520.30	\$ 1.10	\$ 520.30	\$ 2.50	\$ 1,182.50
47	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	831	\$ 3.30	\$ 2,742.30	\$ 3.00	\$ 2,493.00	\$ 3.00	\$ 2,493.00	\$ 3.00	\$ 2,493.00	\$ 3.50	\$ 2,908.50
48	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	22	\$ 6.60	\$ 145.20	\$ 6.00	\$ 132.00	\$ 6.00	\$ 132.00	\$ 6.00	\$ 132.00	\$ 6.00	\$ 132.00
49	REMOVE EXISTING FLARED END SECTION	EACH	1	\$ 1,000.00	\$ 1,000.00	\$ 295.00	\$ 295.00	\$ 710.00	\$ 710.00	\$ 1,050.00	\$ 1,050.00	\$ 400.00	\$ 400.00
50	BIKE PATH REMOVAL	SQ YD	571	\$ 20.00	\$ 11,420.00	\$ 6.00	\$ 3,426.00	\$ 17.50	\$ 9,992.50	\$ 8.50	\$ 4,853.50	\$ 15.00	\$ 8,565.00
51	TRIAxIAL GEOGRID REINFORCEMENT, TYPE I	SQ YD	1,486	\$ 8.00	\$ 11,888.00	\$ 7.65	\$ 11,367.90	\$ 5.00	\$ 7,430.00	\$ 3.00	\$ 4,458.00	\$ 6.00	\$ 8,916.00
52	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	150	\$ 100.00	\$ 15,000.00	\$ 70.50	\$ 10,575.00	\$ 65.00	\$ 9,750.00	\$ 85.00	\$ 12,750.00	\$ 85.00	\$ 12,750.00
53	EXPLORATION TRENCH, SPECIAL	FOOT	100	\$ 50.00	\$ 5,000.00	\$ 25.00	\$ 2,500.00	\$ 100.00	\$ 10,000.00	\$ 50.00	\$ 5,000.00	\$ 80.00	\$ 8,000.00
54	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	\$ 500.00	\$ 1,000.00	\$ 400.00	\$ 800.00	\$ 250.00	\$ 500.00	\$ 555.00	\$ 1,110.00	\$ 1,200.00	\$ 2,400.00
55	TEMPORARY ACCESS (ROAD)	EACH	1	\$ 1,000.00	\$ 1,000.00	\$ 300.00	\$ 300.00	\$ 500.00	\$ 500.00	\$ 775.00	\$ 775.00	\$ 1,500.00	\$ 1,500.00
56	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3,612	\$ 5.42	\$ 19,577.04	\$ 6.00	\$ 21,672.00	\$ 5.50	\$ 19,866.00	\$ 4.15	\$ 14,989.80	\$ 6.00	\$ 21,672.00
57	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	\$ 30,000.00	\$ 30,000.00	\$ 8,000.00	\$ 8,000.00	\$ 74,830.75	\$ 74,830.75	\$ 80,000.00	\$ 80,000.00	\$ 50,000.00	\$ 50,000.00
57	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	730	\$ 5.00	\$ 3,650.00	\$ 1.50	\$ 1,095.00	\$ 1.00	\$ 730.00	\$ 0.10	\$ 73.00	\$ 2.00	\$ 1,460.00
58	RELOCATE SIGN PANEL AND POST	EACH	5	\$ 200.00	\$ 1,000.00	\$ 260.00	\$ 1,300.00	\$ 200.00	\$ 1,000.00	\$ 150.00	\$ 750.00	\$ 400.00	\$ 2,000.00
59	ALLOWANCE - ITEMS ORDERED BY THE ENGINEER	UNIT	20,000	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00
60	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 2"	SQ YD	233	\$ 30.00	\$ 6,990.00	\$ 30.00	\$ 6,990.00	\$ 23.00	\$ 5,359.00	\$ 20.00	\$ 4,660.00	\$ 50.00	\$ 11,650.00
	TOTAL BID (Items 1 - 60)				\$ 567,530.89		\$ 592,433.83		\$ 682,000.88		\$ 684,376.38		\$ 724,707.65
% BELOW/ABOVE ENGINEER'S ESTIMATE				-21.69%		-18.25%		-5.89%		-5.57%			



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #7

Tracking Number

PW 2024-37

### Agenda Item Summary Memo

**Title:** Kennedy Rd. & Freedom Pl. – Construction Engineering Agreement

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Please see the attached memo.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Eric Dhuse Public Works  
Name Department

### Agenda Item Notes:

---

---

---

---

---



# Memorandum

To: Public Works Committee  
From: Eric Dhuse, Director of Public Works  
CC: Bart Olson, City Administrator  
Date: April 11, 2024  
Subject: Kennedy and Freedom Pl. Construction Engineering Agreement

---

## **Summary**

A proposed Construction Engineering Agreement for the Kennedy Road and Freedom Place intersection improvements.

## **Background**

A tentative agreement has been reached with Blackberry Oaks which may be in front of the council on April 23<sup>rd</sup>, and bids have been opened and will soon be awarded. With the passage of this construction engineering agreement, we will have our items in place to be able to get this project completed in a timely manner.

The agreement is structured as an hourly rate with an estimated cost of \$88,621. This money is included in the approved FY25 budget in the City-Wide Capital fund.

## **Recommendation**

Staff recommends approval of the construction engineering agreement with EEI for the Kennedy Road and Freedom Place Intersection Improvements.



***Kennedy Road & Freedom Place Intersection Improvements  
United City of Yorkville  
Professional Services Agreement – Construction Engineering***

THIS AGREEMENT, by and between the United City of Yorkville, hereinafter referred to as the "City" or "OWNER" and Engineering Enterprises, Inc. hereinafter referred to as the "Contractor" or "ENGINEER" agrees as follows:

**A. Services:**

ENGINEER agrees to furnish to the City the following services: The ENGINEER shall provide any and all necessary engineering services to the City as indicated on the Scope of Services (Attachment B). Construction Engineering for all roadways indicated on Attachment E will be provided. Engineering will be in accordance with all City and Illinois Department of Transportation requirements.

**B. Term:**

Services will be provided beginning on the date of execution of this agreement and continuing, until terminated by either party upon 7 days written notice to the non-terminating party or upon completion of the Services. Upon termination the Contractor shall be compensated for all work performed for the City prior to termination.

**C. Compensation and maximum amounts due to Contractor:**

ENGINEER shall receive as compensation for all work and services to be performed herein, an amount based on the Estimated Level of Effort and Associated Cost included in Attachment C. Construction Engineering will be paid for as an Hourly Rate in the amount of \$88,621. The hourly rates for this project are shown in the attached 2024 Standard Schedule of Charges (Attachment F). All payments will be made according to the Illinois State Prompt Payment Act and not less than once every thirty days.

**D. Changes in Rates of Compensation:**

In the event that this contract is designated in Section B hereof as an Ongoing Contract, ENGINEER, on or before February 1st of any given year, shall provide written notice of any change in the rates specified in Section C hereof (or on any attachments hereto) and said changes shall only be effective on and after May 1st of that same year.

**E. Ownership of Records and Documents:**

Contractor agrees that all books and records and other recorded information developed specifically in connection with this agreement shall remain the property of the City. Contractor agrees to keep such information confidential and not to disclose or disseminate the information to third parties without the consent of the City. This confidentiality shall not apply to material or information, which would otherwise be subject to public disclosure through the freedom of information act or if already previously disclosed by a third party. Upon termination of this agreement, Contractor agrees to return all such materials to the City. The City agrees not to modify any original documents produced by Contractor without contractors consent. Modifications of any signed duplicate original document not authorized by ENGINEER will be at OWNER's sole risk and without legal liability to the ENGINEER. Use of any incomplete, unsigned document will, likewise, be at the OWNER's sole risk and without legal liability to the ENGINEER.

**F. Governing Law:**

This contract shall be governed and construed in accordance with the laws of the State of Illinois. Venue shall be in Kendall County, Illinois.

**G. Independent Contractor:**

Contractor shall have sole control over the manner and means of providing the work and services performed under this agreement. The City's relationship to the Contractor under this agreement shall be that of an independent contractor. Contractor will not be considered an employee to the City for any purpose.

**H. Certifications:**

Employment Status: The Contractor certifies that if any of its personnel are an employee of the State of Illinois, they have permission from their employer to perform the service.

Anti-Bribery: The Contractor certifies it is not barred under 30 Illinois Compiled Statutes 500/50-5(a) - (d) from contracting as a result of a conviction for or admission of bribery or attempted bribery of an officer or employee of the State of Illinois or any other state.

Loan Default: If the Contractor is an individual, the Contractor certifies that he/she is not in default for a period of six months or more in an amount of \$600 or more on the repayment of any educational loan guaranteed by the Illinois State Scholarship Commission made by an Illinois institution of higher education or any other loan made from public funds for the purpose of financing higher education (5 ILCS 385/3).

**Felony Certification:** The Contractor certifies that it is not barred pursuant to 30 Illinois Compiled Statutes 500/50-10 from conducting business with the State of Illinois or any agency as a result of being convicted of a felony.

**Barred from Contracting:** The Contractor certifies that it has not been barred from contracting as a result of a conviction for bid-rigging or bid rotating under 720 Illinois Compiled Statutes 5/33E or similar law of another state.

**Drug Free Workplace:** The Contractor certifies that it is in compliance with the Drug Free Workplace Act (30 Illinois Compiled Statutes 580) as of the effective date of this contract. The Drug Free Workplace Act requires, in part, that Contractors, with 25 or more employees certify and agree to take steps to ensure a drug free workplace by informing employees of the dangers of drug abuse, of the availability of any treatment or assistance program, of prohibited activities and of sanctions that will be imposed for violations; and that individuals with contracts certify that they will not engage in the manufacture, distribution, dispensation, possession, or use of a controlled substance in the performance of the contract.

**Non-Discrimination, Certification, and Equal Employment Opportunity:** The Contractor agrees to comply with applicable provisions of the Illinois Human Rights Act (775 Illinois Compiled Statutes 5), the U.S. Civil Rights Act, the Americans with Disabilities Act, Section 504 of the U.S. Rehabilitation Act and the rules applicable to each. The equal opportunity clause of Section 750.10 of the Illinois Department of Human Rights Rules is specifically incorporated herein. The Contractor shall comply with Executive Order 11246, entitled Equal Employment Opportunity, as amended by Executive Order 11375, and as supplemented by U.S. Department of Labor regulations (41 C.F.R. Chapter 60). The Contractor agrees to incorporate this clause into all subcontracts under this Contract.

**International Boycott:** The Contractor certifies that neither it nor any substantially owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act (30 ILCS 582).

**Record Retention and Audits:** If 30 Illinois Compiled Statutes 500/20-65 requires the Contractor (and any subcontractors) to maintain, for a period of 3 years after the later of the date of completion of this Contract or the date of final payment under the Contract, all books and records relating to the performance of the Contract and necessary to support amounts charged to the City under the Contract. The Contract and all books and records related to the Contract shall be available for review and audit by the City and the Illinois Auditor General. If this Contract is funded from contract/grant funds provided by the U.S. Government, the Contract, books, and records shall be available for review and audit by the Comptroller General of the U.S. and/or the Inspector General of the federal

sponsoring agency. The Contractor agrees to cooperate fully with any audit and to provide full access to all relevant materials.

United States Resident Certification: (This certification must be included in all contracts involving personal services by non-resident aliens and foreign entities in accordance with requirements imposed by the Internal Revenue Services for withholding and reporting federal income taxes.) The Contractor certifies that he/she is a: ☒ United States Citizen ☐ Resident Alien ☐ Non-Resident Alien The Internal Revenue Service requires that taxes be withheld on payments made to non resident aliens for the performance of personal services at the rate of 30%.

Tax Payer Certification : Under penalties of perjury, the Contractor certifies that its Federal Tax Payer Identification Number or Social Security Number is (provided separately) and is doing business as a (check one): ☐ Individual ☐ Real Estate Agent ☐ Sole Proprietorship ☐ Government Entity ☐ Partnership ☐ Tax Exempt Organization (IRC 501(a) only) ☒ Corporation ☐ Not for Profit Corporation ☐ Trust or Estate ☐ Medical and Health Care Services Provider Corp.

#### **I. Indemnification:**

Contractor shall indemnify and hold harmless the City and City's agents, servants, and employees against all loss, damage, and expense which it may sustain or for which it will become liable on account of injury to or death of persons, or on account of damage to or destruction of property resulting from the performance of work under this agreement by Contractor or its Subcontractors, or due to or arising in any manner from the wrongful act or negligence of Contractor or its Subcontractors of any employee of any of them. In the event that the either party shall bring any suit, cause of action or counterclaim against the other party, the non-prevailing party shall pay to the prevailing party the cost and expenses incurred to answer and/or defend such action, including reasonable attorney fees and court costs. In no event shall the either party indemnify any other party for the consequences of that party's negligence, including failure to follow the ENGINEER's recommendations.

#### **J. Insurance:**

The ENGINEER agrees that it has either attached a copy of all required insurance certificates or that said insurance is not required due to the nature and extent of the types of services rendered hereunder. (Not applicable as having been previously supplied)

#### **K. Additional Terms or Modification:**

The terms of this agreement shall be further modified as provided on the attached Exhibits. Except for those terms included on the Exhibits, no additional terms are

included as a part of this agreement. All prior understandings and agreements between the parties are merged into this agreement, and this agreement may not be modified orally or in any manner other than by an agreement in writing signed by both parties. In the event that any provisions of this agreement shall be held to be invalid or unenforceable, the remaining provisions shall be valid and binding on the parties. The list of Attachments are as follows:

- Attachment A:** Standard Terms and Conditions
- Attachment B:** Scope of Services
- Attachment C:** Estimate of Level of Effort and Associated Cost
- Attachment D:** Estimated Schedule
- Attachment E:** Location Map
- Attachment F:** 2024 Standard Schedule of Charges

**L. Notices:**

All notices required to be given under the terms of this agreement shall be given mail, addressed to the parties as follows:

For the City:

City Administrator and City Clerk  
United City of Yorkville  
651 Prairie Pointe Drive  
Yorkville, IL 60560

For the ENGINEER:

Engineering Enterprises, Inc.  
52 Wheeler Road  
Sugar Grove Illinois 60554

Either of the parties may designate in writing from time to time substitute addresses or persons in connection with required notices.

Agreed to this \_\_\_\_ day of \_\_\_\_\_, 2024.

United City of Yorkville:

Engineering Enterprises, Inc.:

\_\_\_\_\_  
John Purcell  
Mayor

\_\_\_\_\_  
Brad Sanderson, PE  
Chief Operating Officer / President

\_\_\_\_\_  
Jori Behland  
City Clerk

\_\_\_\_\_  
Angie Smith  
Executive Assistant

## STANDARD TERMS AND CONDITIONS

**Agreement:** These Standard Terms and Conditions, together with the Professional Services Agreement, constitute the entire integrated agreement between the OWNER and Engineering Enterprises, Inc. (EEI) (hereinafter "Agreement"), and take precedence over any other provisions between the Parties. These terms may be amended, but only if both parties consent in writing.

**Standard of Care:** In providing services under this Agreement, the ENGINEER will endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under same circumstances in the same locality. ENGINEER makes no other warranties, express or implied, written or oral under this Agreement or otherwise, in connection with ENGINEER'S service.

**Construction Engineering and Inspection:** The ENGINEER shall not supervise, direct, control, or have authority over any contractor work, nor have authority over or be responsible for the means, methods, techniques sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety of the site, nor for any failure of a contractor to comply with laws and regulations applicable to such contractor's furnishing and performing of its work.

The ENGINEER neither guarantees the performance of any contractor nor assumes responsibility for contractor's failure to furnish and perform the work in accordance with the contract documents.

The ENGINEER is not responsible for the acts or omissions of any contractor, subcontractor, or supplies, or any of their agents or employees or any other person at the site or otherwise furnishing or performing any work.

Shop drawing and submittal review by the ENGINEER shall apply to only the items in the submissions and only for the purpose of assessing if upon installation or incorporation in the project work they are generally consistent with the construction documents. OWNER agrees that the contractor is solely responsible for the submissions and for compliance with the construction documents. OWNER further agrees that the ENGINEER'S review and action in relation to these submissions shall not constitute the provision of means, methods, techniques, sequencing or procedures of construction or extend or safety programs or precautions. The ENGINEER'S consideration of a component does not constitute acceptance of the assembled items.

The ENGINEER'S site observation during construction shall be at the times agreed upon in the Project Scope. Through standard, reasonable means the ENGINEER will become generally familiar with observable completed work. If the ENGINEER observes completed work that is inconsistent with the construction documents, that information shall be communicated to the contractor and OWNER for them to address.

**Opinion of Probable Construction Costs:** ENGINEER'S opinion of probable construction costs represents ENGINEER'S best and reasonable judgment as a professional engineer. OWNER acknowledges that ENGINEER has no control over construction costs of contractor's methods of determining pricing, or over competitive bidding by contractors, or of market conditions or changes thereto. ENGINEER cannot and does not guarantee that proposals, bids or actual construction costs will not vary from ENGINEER'S opinion of probable construction costs.

**Copies of Documents & Electronic Compatibility:** Copies of Documents that may be relied upon by OWNER are limited to the printed copies (also known as hard copies) that are signed or sealed by the ENGINEER. Files in electronic media format of text, data, graphics, or of other types that are furnished by ENGINEER to OWNER are only for convenience of OWNER. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. When transferring documents in electronic media format, ENGINEER makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by ENGINEER at the beginning of the project.

**Changed Conditions:** If, during the term of this Agreement, circumstances or conditions that were not originally contemplated by or known to the ENGINEER are revealed, to the extent that they affect the scope of services, compensation, schedule, allocation of risks, or other material terms of this Agreement, the ENGINEER may call for renegotiation of appropriate portions of this Agreement. The ENGINEER shall notify the OWNER of the changed conditions necessitating renegotiation, and the ENGINEER and the OWNER shall promptly and in good faith enter into renegotiation of this Agreement to address the changed conditions. If terms cannot be agreed to, the parties agree that either party has the absolute right to terminate this Agreement, in accordance with the termination provision hereof.

**Hazardous Conditions:** OWNER represents to ENGINEER that to the best of its knowledge no Hazardous Conditions (environmental or otherwise) exist on the project site. If a Hazardous Condition is encountered or alleged, ENGINEER shall have the obligation to notify OWNER and, to the extent of applicable Laws and Regulations, appropriate governmental officials. It is acknowledged by both parties that ENGINEER's scope of services does not include any services related to a Hazardous Condition. In the event ENGINEER or any other party encounters a Hazardous Condition, ENGINEER may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the project affected thereby until OWNER: (i) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or remove the Hazardous Condition; and (ii) warrants that the project site is in full compliance with applicable Laws and Regulations.

**Consequential Damages:** Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the OWNER nor the ENGINEER, their respective officers, directors, partners, employees, contractors, or subcontractors shall be liable to the other or shall make any claim for any incidental, indirect, or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of



profit, loss of business, loss of income, loss of reputation, or any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract, and breach of strict or implied warranty. Both the OWNER and the ENGINEER shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in this project.

**Termination:** This Agreement may be terminated for convenience, without cause, upon fourteen (14) days written notice of either party. In the event of termination, the ENGINEER shall prepare a final invoice and be due compensation as set forth in the Professional Services Agreement for all costs incurred through the date of termination.

Either party may terminate this Agreement for cause upon giving the other party not less than seven (7) calendar days' written notice for the following reasons:

- (a) Substantial failure by the other party to comply with or perform in accordance with the terms of the Agreement and through no fault of the terminating party;
- (b) Assignment of the Agreement or transfer of the project without the prior written consent of the other party;
- (c) Suspension of the project or the ENGINEER'S services by the OWNER for a period of greater than ninety (90) calendar days, consecutive or in the aggregate.
- (d) Material changes in the conditions under which this Agreement was entered into, the scope of services or the nature of the project, and the failure of the parties to reach agreement on the compensation and schedule adjustments necessitated by such changes.

**Payment of Invoices:** Invoices are due and payable within 30 days of receipt unless otherwise agreed to in writing.

**Third Party Beneficiaries:** Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the OWNER or the ENGINEER. The ENGINEER'S services under this Agreement are being performed solely and exclusively for the OWNER'S benefit, and no other party or entity shall have any claim against the ENGINEER because of this Agreement or the performance or nonperformance of services hereunder. The OWNER and ENGINEER agree to require a similar provision in all contracts with contractors, subcontractors, vendors and other entities involved in this Project to carry out the intent of this provision.

**Force Majeure:** Each Party shall be excused from the performance of its obligations under this Agreement to the extent that such performance is prevented by force majeure (defined below) and the nonperforming party promptly provides notice of such prevention to the other party. Such excuse shall be continued so long as the condition constituting force majeure continues. The party affected by such force majeure also shall notify the other party of the anticipated duration of such force majeure, any actions being taken to avoid or minimize its effect after such occurrence, and shall take reasonable efforts to remove the condition constituting such force majeure. For purposes of this Agreement, "force majeure" shall include conditions beyond the control of the parties, including an act of God, acts of terrorism, voluntary or involuntary compliance with any regulation, law or order of any government, war, acts of war (whether war be declared or not), labor strike or lock-out, civil commotion, epidemic, failure or default of public utilities or common carriers, destruction of production facilities or materials by fire, earthquake, storm or like catastrophe. The payment of invoices due and owing hereunder shall in no event be delayed by the payer because of a force majeure affecting the payer.

**Additional Terms or Modification:** All prior understandings and agreements between the parties are merged into this Agreement, and this Agreement may not be modified orally or in any manner other than by an Agreement in writing signed by both parties. In the event that any provisions of this Agreement shall be held to be invalid or unenforceable, the remaining provisions shall be valid and binding on the parties.

**Assignment:** Neither party to this Agreement shall transfer or assign any rights or duties under or interest in this Agreement without the prior written consent of the other party. Subcontracting normally contemplated by the ENGINEER shall not be considered an assignment for purposes of this Agreement.

**Waiver:** A party's waiver of, or the failure or delay in enforcing any provision of this Agreement shall not constitute a waiver of the provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

**Attorney's Fees:** In the event of any action or proceeding brought by either party against the other under this Agreement, the prevailing party shall be entitled to recover from the other all costs and expenses including without limitation the reasonable fees of its attorneys in such action or proceeding, including costs of appeal, if any, in such amount as the Court may adjudge reasonable.

**Fiduciary Duty:** Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed to either party to the other party. EEI makes no warranty, express or implied, as to its professional services rendered.

**Headings:** The headings used in this Agreement are inserted only as a matter of convenience only, and in no way define, limit, enlarge, modify, explain or define the text thereof nor affect the construction or interpretation of this Agreement.



**Kennedy Road and Freedom Place Intersection Improvements  
United City of Yorkville, IL  
Professional Services Agreement - Construction Engineering**

**Attachment B – Scope of Services**

The United City of Yorkville intends to widen and resurface Kennedy Road at Freedom Place.

Our proposed scope of services for **Construction Engineering** will include the following:

**3.1 Construction Administration**

- Prepare for, Attend and Facilitate the Preconstruction Meeting with the Contractor Including Preparation of Meeting Minutes
- Shop Drawing Review
- Coordinate with City Services (Garbage, Mail, Etc.)
- Review Engineering Plans, Specifications and Prepare Field Book
- Prepare/Verify Pay Estimates and Change Orders
- Gather Invoices and Waivers of Lien
- Provide Weekly Updates to City or as Required Based on Onsite Activities

**3.2 Construction Layout and Record Drawings**

- Stake Proposed Storm Sewer, Roadway Excavation and Widening
- Perform Post Construction Field Survey for Record Drawings
- Prepare and Review Record Drawings

**3.3 Construction Observation and Documentation**

- Review Construction Layout
- Take Pre-Construction Videos and Photos of Pre-Existing Conditions
- Provide Resident Engineering Services for Construction
- Monitor Adherence to Specifications
- Monitor Adherence to Construction Schedule and Make Recommendations When Appropriate.
- Monitor Traffic Control on a Regular Basis.
- Coordinate Any Required Testing on Behalf of the City and Review Test Reports
- Provide Daily Quantity Tracking, Documentation and Daily Field Reports
- Perform Punch Walks, Prepare Punch List Letters and Provide Follow Up Inspections and Recommend Acceptance When Appropriate (2 Each)
- Prepare project Closeout Paperwork

**The following scope of services will be provided by EEI's Subconsultant:**

Rubino Engineering – Material Testing for Quality Assurance

## ATTACHMENT C: ESTIMATED LEVEL OF EFFORT AND ASSOCIATED COST PROFESSIONAL ENGINEERING SERVICES

CLIENT					PROJECT NUMBER		
United City of Yorkville					YO2219-P		
PROJECT TITLE					DATE		PREPARED BY
Kennedy Road and Freedom Place Intersection Improvements					4/3/24		CJO

TASK NO.	TASK DESCRIPTION	ROLE	PIC	SPM	PM	SPE 1	SPT 2	SPT 1	ADMIN	HOURS	COST
		PERSON									
		RATE	\$246	\$234	\$210	\$186	\$175	\$164	\$72		
CONSTRUCTION ENGINEERING											
3.1	Contract Administration		2	4	10				2	18	\$ 3,672
3.2	Construction Layout and Record Drawings			2	4	8	16	16		46	\$ 8,220
3.3	Observation and Documentation				8	372			2	382	\$ 71,016
Insert Task Subtotal:			2	6	22	380	16	16	4	446	\$ 82,908
PROJECT TOTAL:			2	6	22	380	16	16	4	446	82,908

### EEI STAFF

PIC Principal In Charge  
 SPM Senior Project Manager  
 PM Project Manager  
 SPE 1 Senior Project Engineer I  
 SPT T 2 Senior Project Technician II  
 SPT 1 Senior Project Technician II  
 ADMIN Administrative Assistant

### DIRECT EXPENSES

Printing/Scanning =	\$ -
Rubino (Material Testing) =	\$ 2,788
Vehicle Charges (\$65/day) =	\$ 2,925
<b>DIRECT EXPENSES =</b>	<b>\$ 5,713</b>

### LABOR SUMMARY

EEI Labor Expenses =	\$ 82,908
<b>TOTAL LABOR EXPENSES</b>	<b>\$ 82,908</b>

<b>TOTAL COSTS</b>	<b>\$ 88,621</b>
--------------------	------------------

## ATTACHMENT D: ESTIMATED SCHEDULE

CLIENT					PROJECT NUMBER				
United City of Yorkville					YO2210-P				
PROJECT TITLE					DATE		PREPARED BY		
Kennedy Road and Freedom Place Intersection Improvements					4/3/24		CJO		
TASK NO.	TASK DESCRIPTION								
		2024							
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
CONSTRUCTION ENGINEERING									
3.1	Contract Administration								
3.2	Construction Layout								
3.3	Observation and Documentation								







**Engineering Enterprises, Inc.**

52 Wheeler Road  
 Sugar Grove, Illinois 60554  
 (630) 466-6700  
[www.eeiweb.com](http://www.eeiweb.com)

DATE:	JUNE 2022
PROJECT NO.:	YO2219
BY:	MJT
PATH:	H:\GIS\PUBLIC\ELGIN\2022\
FILE:	YO2219_Kennedy Road & Freedom Place Intersection Improvements

**ATTACHMENT E  
 KENNEDY ROAD & FREEDOM  
 PLACE INTERSECTION IMPROVEMENTS  
 LOCATION MAP**







# Engineering Enterprises, Inc.

ATTACHMENT F

STANDARD SCHEDULE OF CHARGES ~ JANUARY 1, 2024



EMPLOYEE DESIGNATION	CLASSIFICATION	HOURLY RATE
Senior Principal	E-4	\$246.00
Principal	E-3	\$241.00
Senior Project Manager	E-2	\$234.00
Project Manager	E-1	\$210.00
Senior Project Engineer/Surveyor II	P-6	\$200.00
Senior Project Engineer/Surveyor I	P-5	\$186.00
Project Engineer/Surveyor	P-4	\$168.00
Senior Engineer/Surveyor	P-3	\$155.00
Engineer/Surveyor	P-2	\$140.00
Associate Engineer/Surveyor	P-1	\$127.00
Senior Project Technician II	T-6	\$175.00
Senior Project Technician I	T-5	\$164.00
Project Technician	T-4	\$153.00
Senior Technician	T-3	\$140.00
Technician	T-2	\$127.00
Associate Technician	T-1	\$111.00
GIS Technician II	G-2	\$125.00
GIS Technician I	G-1	\$114.00
Engineering/Land Surveying Intern	I-1	\$ 82.00
Executive Administrative Assistant	A-4	\$ 77.00
Administrative Assistant	A-3	\$ 72.00

## VEHICLES. REPROGRAPHICS, DIRECT COSTS, DRONE AND EXPERT TESTIMONY

Vehicle for Construction Observation		\$ 20.00
In-House Scanning and Reproduction	\$0.25/Sq. Ft. (Black & White)	
	\$1.00/Sq. Ft. (Color)	
Reimbursable Expenses (Direct Costs)	Cost	
Services by Others (Direct Costs)	Cost + 10%	
Unmanned Aircraft System / Unmanned Aerial Vehicle / Drone		\$ 225.00
Expert Testimony		\$ 275.00



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #8

Tracking Number

PW 2024-38

### Agenda Item Summary Memo

**Title:** Supplemental MFT Resolution for Bulk Rock Salt

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Annual resolution appropriating MFT funds for the purchase of bulk rock salt

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** Majority

**Council Action Requested:** Approval

**Submitted by:** Eric Dhuse Public Works  
Name Department

### Agenda Item Notes:

---

---

---

---

---



# Memorandum

To: Public Works Committee  
From: Eric Dhuse, Director of Public Works  
CC: Bart Olson, City Administrator  
Date: April 8, 2024  
Subject: MFT Resolution for Salt Purchase

---

## **Summary**

Staff is bringing forward the required forms to purchase bulk rock salt using MFT funds.

## **Background**

Each year we participate in the bulk rock salt purchasing program through the State of Illinois using MFT funds. The program opens in March of each year, but we won't learn the winning bidder or price until late October of this year.

In the meantime, we need to formally approve anticipated spending of MFT funds through a resolution (attached) and submit the Maintenance Expenditure Statement which tracks our fund usage. Once this is completed and approved by IDOT, we will be allowed to use MFT funds to purchase bulk rock salt for the upcoming snow removal season.

Our bid for this year was for 1600 tons of salt. The program we selected allows us to purchase a minimum of 80% (1280 tons) up to 120% (1920 tons) under the contract price. I have asked to appropriate \$190,000 for salt purchase this year. This amount is the total amount that is in the approved FY 25 budget. This is a conservative number and I do not expect to spend all the funds. This past year the salt bid came in at \$79.22 per ton and I have budgeted upwards of \$100/per ton to be safe. If we do not use the funds, it will return to our MFT fund as an unencumber amount of money that can be used on other approved projects.

## **Recommendation**

I recommend the approval of the IDOT resolution for maintenance to allow the City to purchase bulk rock salt using MFT funds.



District	County	Resolution Number	Resolution Type	Section Number
3	Kendall		Supplemental	25-00000-00-GM

BE IT RESOLVED, by the Council of the City of  
Governing Body Type Local Public Agency Type  
Yorkville Illinois that there is hereby appropriated the sum of  
Name of Local Public Agency

One Hundred Ninety Thousand Dollars Dollars ( \$190,000.00 )

of Motor Fuel Tax funds for the purpose of maintaining streets and highways under the applicable provisions of Illinois Highway Code from

05/01/24 to 04/30/25  
Beginning Date Ending Date

BE IT FURTHER RESOLVED, that only those operations as listed and described on the approved Estimate of Maintenance Costs, including supplemental or revised estimates approved in connection with this resolution, are eligible for maintenance with Motor Fuel Tax funds during the period as specified above.

BE IT FURTHER RESOLVED, that City of Yorkville  
Local Public Agency Type Name of Local Public Agency

shall submit within three months after the end of the maintenance period as stated above, to the Department of Transportation, on forms available from the Department, a certified statement showing expenditures and the balances remaining in the funds authorized for expenditure by the Department under this appropriation, and

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit four (4) certified originals of this resolution to the district office of the Department of Transportation.

I Jori Behland City Clerk in and for said City  
Name of Clerk Local Public Agency Type Local Public Agency Type  
of Yorkville in the State of Illinois, and keeper of the records and files thereof, as  
Name of Local Public Agency

provided by statute, do hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the

Council of Yorkville at a meeting held on \_\_\_\_\_  
Governing Body Type Name of Local Public Agency Date

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_  
Day Month, Year

(SEAL, if required by the LPA)

Clerk Signature & Date

--

APPROVED

Regional Engineer Signature & Date  
Department of Transportation

--



## Instructions for BLR 14220

This form shall be used when a Local Public Agency (LPA) wants to perform maintenance operations using Motor Fuel Tax (MFT) funds. Refer to Chapter 14 of the Bureau of Local Roads and Streets Manual (BLRS Manual) for more detailed information. This form is to be used by a Municipality or a County. Road Districts will use BLR 14221. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

When filling out this form electronically, once a field is initially completed, fields requiring the same information will be auto-populated.

Resolution Number	Insert the resolution number as assigned by the LPA, if applicable.
Resolution Type	From the drop down box, choose the type of resolution: -Original would be used when passing a resolution for the first time for this project. -Supplemental would be used when passing a resolution increasing appropriation above previously passed resolutions. -Amended would be used when a previously passed resolution is being amended.
Section Number	Insert the section number of the improvement covered by the resolution.
Governing Body Type	From the drop down box choose the type of administrative body. Choose Board for County; Council or President and Board of Trustees for a City, Village or Town.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
Name of LPA	Insert the name of the LPA.
Resolution Amount	Insert the dollar value of the resolution for maintenance to be paid for with MFT funds in words, followed by the same amount in numerical format in the ().
Beginning Date	Insert the beginning date of the maintenance period. Maintenance periods must be a 12 or 24 month consecutive period.
Ending Date	Insert the ending date of the maintenance period.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
Name of LPA	Insert the name of the LPA.
Name of Clerk	Insert the name of the LPA Clerk.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
LPA Type	From the drop down box choose the LPA body type; County, City, Town or Village.
Name of LPA	Insert the name of the LPA.
Governing Body Type	From the drop down box choose the type of administrative body. Choose Board for County; Council or President and Board of Trustees for a City, Village or Town.
Name of LPA	Insert the name of the LPA.
Date	Insert the date of the meeting.
Day	Insert the day the Clerk signed the document.
Month, Year	Insert the month and year of the clerk's signature.
Clerk Signature	Clerk shall sign here.
Seal	The Clerk shall seal the document here, if required. If a seal is required, electronic signatures should not be used.
Approved	The Department of Transportation representative shall sign and date here upon approval.

**A minimum of three (3) certified signed originals must be submitted to the Regional Engineer's District office OR email PDF completed form with electronic signatures to your local District LRS office.**

Following IDOT's approval, distribution will be as follows:

Local Public Agency Clerk

Engineer (Municipal, Consultant or County)



Submittal Type

Estimate of Maintenance Costs

District Estimate of Cost For

Municipality

Local Public Agency		County	Section Number	Maintenance Period	
				Beginning	Ending
City of Yorkville		Kendall	25-00000-00-GM	05/01/24	04/30/25

Maintenance Items

Maintenance Operation	Maint Eng Category	Insp. Req.	Material Categories/ Point of Delivery or Work Performed by an Outside Contractor	Unit	Quantity	Unit Cost	Cost	Total Maintenance Operation Cost
Snow Removal	IIA			TON	1,900	\$100.00	\$190,000.00	\$190,000.00
Total Operation Cost								\$190,000.00

Estimate of Maintenance Costs Summary

Maintenance	MFT Funds	RBI Funds	Other Funds	Estimated Costs
Local Public Agency Labor				
Local Public Agency Equipment				
Materials/Contracts(Non Bid Items)				
Materials/Deliver & Install/Materials Quotations (Bid Items)				
Formal Contract (Bid Items)				
Maintenance Total				

Estimated Maintenance Eng Costs Summary

Maintenance Engineering	MFT Funds	RBI Funds	Other Funds	Total Est Costs
Preliminary Engineering				
Engineering Inspection				
Material Testing				
Advertising				
Bridge Inspection Engineering				
Maintenance Engineering Total				
Total Estimated Maintenance				

Remarks

SUBMITTED

Local Public Agency Official Signature & Date

Title

County Engineer/Superintendent of Highways Signature & Date

APPROVED

Regional Engineer Signature & Date  
Department of Transportation

**Estimate of Maintenance Costs**

Submittal Type

Local Public Agency	County	Section	Maintenance Period	
			Beginning	Ending
<input type="text" value="City of Yorkville"/>	<input type="text" value="Kendall"/>	<input type="text" value="25-00000-00-GM"/>	<input type="text" value="05/01/24"/>	<input type="text" value="04/30/25"/>

**IDOT Department Use Only**

Received Location	Received Date	Additional Location?
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
WMFT Entry By	Entry Date	
<input type="text"/>	<input type="text"/>	

NOTE: Form instructions should not be included when the form is submitted

This form is used by all Local Public Agencies (LPAs) to submit their maintenance program and also submit their maintenance expenditure statements. A resolution (BLR 14220) must be submitted and approved by the Illinois Department of Transportation (IDOT) prior to incurring any expenditures. For items required to be bid the estimate of cost must be submitted prior to submittal of required bidding documents. Authorizations will be made based on the resolution and/or the approved contract/acceptance/material quotations documents.

The maintenance expenditure statement must be submitted within 3 months of the end of the maintenance period. Maintenance resolutions and estimates submitted for future maintenance periods after that date will not be processed until the delinquent maintenance expenditure statement has been submitted. Only one form needs to be completed per maintenance period, combine all operations on one form.

For additional information refer to the Bureau of Local Roads Manual (BLRS), Chapter 14. For signature requirements refer to Chapter 2, section 3.05(b) of the BLRS Manual.

For items being completed for the estimate all materials, equipment, labor and contract amounts are considered estimates. For estimates where LPA equipment is completed, an Equipment Rental Schedule (BLR 12110) must also be submitted for approval. When completing the form for the Maintenance Expenditure all items must be actual amounts spent.

Maintenance — From the drop down choose which type of document is being submitted. Choose Estimate of Cost if an estimate is being submitted, choose Maintenance Expenditure Statement if a maintenance expenditure statement is being submitted

Submittal — Choose the type of submittal, if this is the first submittal choose original, if revising a previous submittal choose, revised. If adding to a previous submittal choose supplemental.

Estimate of Cost For — Select the type of LPA submitting this form from the drop down. Types to choose are County, Municipality, or Road District/Township.

Local Public Agency — Insert the name of the Local Public Agency.

County — Insert the County in which the Local Public Agency is located.

Maintenance Period

Beginning — Insert the beginning date of the maintenance period.

Ending — Insert the ending date of the maintenance period.

Section — Insert the section number assigned to this project. The letters at the end of the section number will always be a "GM".

Maintenance Operations — List each maintenance operation separately

Maintenance Eng. Category — From the drop down choose the maintenance engineering category as it applies to the operation listed to the left. The definitions of the categories can be found in the BLRS Manual Chapter 14, section 14-2.04

Maintenance Engineering Categories are:

Category I — Services purchased without a proposal such as electric energy or materials purchased from Central Management Services' Joint Purchasing Program or another joint purchasing program that has been approved by the District BLRS or CBLRS.

Category II-A — Maintenance items that are not included in Maintenance Engineering Category I or do not require competitive sealed bids according to Section 12-1.02(a) or a local ordinance/resolution.

Category II-B — Routine maintenance items that require competitive sealed bids according to Section 12-1.02(a) or a local ordinance/resolution. Routine maintenance includes all items in the following work categories: snow removal, street sweeping, lighting and traffic signal maintenance, cleaning ditches or drainage structures, tree trimming or removal, mowing, crack sealing, pavement marking, shoulder maintenance limited amounts of concrete curb and gutter repair, scour mitigation, pavement patching, and minor drainage repairs.

Category III — Maintenance items that are not covered by Maintenance Engineering Category I or Category II-B and require competitive bidding with a material proposal, a deliver and install proposal or material quotation.

Category IV — Maintenance items that are not covered by Maintenance Engineering Category I or Category II-B and require competitive bidding with a formal contract proposal.

## Instructions for BLR 14222 - Page 2 of 4

The instructions listed below only apply to the maintenance estimate of cost. For LPA's using Local Public Agency Labor and/or Local Public Agency Equipment Rental, the estimated amounts are only listed on those specific lines and are not to be included with each operation on the estimate of cost.

Insp Req — From the drop down choose No or Yes as it applies to the maintenance operation listed to the left. Items requiring no engineering inspection should be no.

Material Categories/Point of Delivery or Work Performed by an Outside Contractor — List the items for each operation on a separate line, grouping items for the same operation together, for the operation listed to the left. If work being done as a contract list work by contractor.

Unit — Insert the unit of measure for the material listed to the left, if applicable.

Quantity — Insert the quantity for the material listed to the left, if applicable.

Unit Cost — Insert the unit cost of the material listed to the left, if applicable.

Cost — No entry necessary, this is a calculated field. This is the quantity times the unit cost.

Total Maintenance Operation Cost — Insert the total of the Maintenance Operation Cost, for items done by a contract insert the estimated contract amount.

### Maintenance

Estimate of Maintenance Costs Summary — Under each item listed below, list the amount of estimated MFT funds, Rebuild Illinois (RBI) funds and local funds to be expended, if applicable. The total Estimated cost is a calculated field.

Local Public Agency Labor — Insert the estimated amount for LPA labor for all maintenance operations, if applicable.

Local Public Agency Equipment Rental — Insert the estimated amount for LPA equipment rental for all maintenance operations, if applicable.

Materials/Contracts (Non Bid Items) — Insert the estimated amount for materials and/or contracts for items the LPA is not required to bid, if applicable.

Materials/Deliver & Install, Material Quotations — For the operation listed to the left insert the estimate amount to be expended using a bidding process for material/deliver & install proposal and/or material quotations, if applicable.

Formal Contracts — Insert the total amount estimated to be expended on formal contracts. This will be for items required to be bid.

Total Estimated Cost — This is a calculated field and will be automatically filled in for each type. This is the sum of all funding for the item.

Total Maintenance Operation Cost — This is a calculated field, no entry is necessary. This is the sum of all items estimated to be expended on this operation.

Total Maintenance Cost — This is a calculated field, no entry is necessary. This is the sum of all maintenance operation costs.

Maintenance Engineering Cost Summary — For each item listed below, list under the funding type what the estimated amount to be expended for each item.

Preliminary Engineering Fee — Insert the amount of funds estimated to be expended for Preliminary Engineering, if applicable.

Engineering Inspection Fee — Insert the amount of funds estimated to be expended for Engineering Inspection, if applicable.

Material Testing Costs — Insert the dollar amount of funds estimated to be expended on material testing costs, if applicable.

Advertising Costs — Insert the amount of funds estimated to be expended on advertising costs, if applicable.

Bridge Inspection Costs — Insert the amount of funds estimated to be expended on bridge inspection costs, if applicable.

Total Maintenance Engineering — This is a calculated field, no entry is necessary. This is the sum of all maintenance engineering costs listed above.

Totals — This is a calculated field. It is the total of the estimated maintenance cost plus the estimated maintenance engineering cost.

These instructions apply to the Maintenance Expenditure Statement.

Maintenance Operation — Type in the name of the maintenance operation for which the amounts to the right will be completed. For a form that was completed as an Estimate of Cost and is now being changed to a Maintenance Expenditure Statement, this field will be completed from the estimate.

Maint Eng Category — From the drop down select the Maintenance Engineering Category that applies to the operation listed to the left.

LPA Labor — For the operation listed to the left insert the amount expended for LPA labor, if applicable.

LPA Equipment Rental — For the operation listed to the left insert the amount expended on LPA equipment rental if applicable.

Materials/Contracts (Non-Bid) — For the operation listed to the left insert the amount expended for materials and/or contracts that was not required to be bid, if applicable.

Materials/Deliver & Install/Material Quotations (Bid Items) — Insert the total amount expended on Materials Proposals, Deliver and Install proposals, Materials Quotations (Bid Items). This will be for items that were required to be bid.

Formal Contract — For the operation listed to the left insert the amount expended for items bid using the formal contract process, if applicable.

Total Operation Cost — This is a calculated field, it will sum the amounts expended for the operation listed to the left.

Operation Engineering Inspection Fee — For the operation listed to the left insert the amount of engineering inspection charged for this operation, if applicable.

Total Maintenance — This is a calculated field, no entry necessary. It is the sum of all maintenance operations.

Maintenance Engineering Cost Summary Preliminary Engineering Fee — Insert the dollar amount of funds spent on preliminary engineering for this maintenance section.

Engineering Inspection Fee — Insert the amount of funds expended for Engineering Inspection, if applicable.

Material Testing Costs — Insert the dollar amount of funds spent on material testing costs, if applicable.

Advertising Costs — Insert the dollar amount of funds spent on advertising costs, if applicable.

Bridge Inspection Costs — Insert the dollar amount of funds spent on bridge inspection costs, if applicable.

Total Maintenance Engineering — This is a calculated field, no entry is necessary. This is the sum of all maintenance engineering costs listed above.

Total Maintenance Program Costs — Insert the total cost of the Maintenance and Maint. Engineering. The maintenance amount will be the amount from the Total Cost from the Maintenance Items table. The Maint. Eng will be the Maintenance Engineering Total from above.

## Instructions for BLR 14222 - Page 4 of 4

Contributions, Refunds, Paid with Other Funds — Enter the dollar amount of contributions, refunds or amounts paid with other funds for this maintenance section, if applicable, for both maintenance and maintenance engineering.

Total Motor Fuel Tax/Rebuild Illinois Portion — These are calculated fields, no entry is necessary. This is the sum of the total cost minus the amount paid with local funds.

Motor Fuel Tax Portion — Insert the amount of the total cost that was paid for with Motor Fuel Tax funds for Maintenance and Maint. Engineering, as applicable.

Motor Fuel Tax Funds Authorized — Insert the net amount of Motor Fuel Tax Funds authorized for each type.

Motor Fuel Tax Surplus/Deficit — These are calculated fields, no entry is necessary. This is the sum of the Total Motor Fuel Tax funds expended minus the amount of Motor Fuel Tax funds authorized. A positive number will result in a credit to the unobligated fund of the Motor Fuel Tax fund. A negative number means more funds were spent than authorized. If the negative number has a resolution to cover the overage, the item(s) that resulted in the overage have been approved by IDOT, and are covered in the overrun policy, this amount will be authorized. If these conditions are not met you must contact your District office for guidance.

Rebuild Illinois Portion — Insert the amount of the total cost that was paid for with Rebuild Illinois funds for Maintenance and Maint. Engineering, as applicable.

Rebuild Illinois Funds Authorized — Insert the net amount of Rebuild Illinois Funds authorized for each type.

Rebuild Illinois Surplus/Deficit — These are calculated fields, no entry is necessary. This is the sum of the Total Rebuild Illinois funds expended minus the amount of Rebuild Illinois funds authorized. A positive number will result in a credit to the unobligated fund of the Motor Fuel Tax fund. A negative number means more funds were spent than authorized. If the negative number has a resolution to cover the overage, the item(s) that resulted in the overage have been approved by IDOT, and are covered in the overrun policy, this amount will be authorized. If these conditions are not met you must contact your District office for guidance.

Difference — No entry necessary, this field is automatically calculated. It is the difference between Total Motor Fuel Tax/Rebuild Illinois Portion for Maintenance and Maint. Engineering. The fields must equal zero; if not, review the amounts inserted under Motor Fuel Tax and Rebuild Illinois need to be corrected.

Remarks — Enter remarks as applicable covering the items entered.

Certification — Upon submittal of this form as the maintenance expenditure statement the LPA official shall check this box as certification.

### End of instructions for Maintenance Expenditure Statement

Submitted

Local Public Agency Official — The proper official shall sign, insert their title and date here. For Estimates of Cost covering a Township/Road District the road commissioner shall sign and date as Local Public Agency Official. For Municipalities the municipal official shall sign and date here.

County Engineer/Superintendent of Highways — For County project and/or Township/Road District projects the county engineer/superintendent of highways shall sign here.

Approved — Upon approval the Regional Engineer shall sign and date here. This approval is subject to change based upon a documentation review by the Department.

When submitting the form via USPS mail, submit a minimum of three (3) signed original must be submitted to the Regional Engineer's District office. This form may be submitted electronically with electronic signatures.

Following the Regional Engineer's approval, distribution will be as follows:

Local Public Agency Clerk  
Engineer (Consultant or County Engineer)  
District File

IDOT Department Use Only      The Following fields are for IDOT use only.

Received

Location      Enter the location received from the drop down.

Date      Enter the date the document was received.

WMFT Entry

By      Enter the name of the person entering the information into the WMFT system.

Date      Enter the date on which the information was entered.



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #9

Tracking Number

PW 2024-39

### Agenda Item Summary Memo

**Title:** Oak Street Parking Restriction

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Please see the attached memo.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Erin Willrett Administration  
Name Department

### Agenda Item Notes:

Staff is looking for feedback.





# Memorandum

To: Public Works Committee  
From: Erin Willrett, Assistant City Administrator  
CC: Bart Olson, City Administrator  
Date: April 16, 2024  
Subject: Oak Street Parking Restriction

---

## **Summary**

Discussion of a proposal to direct staff to notify residents of a proposal to enact parking restrictions on Oak Street.

## **Background**

Alderman Corneils received a complaint that there have been parking issues on Oak Street (near Cannonball Trail). From initial reports, it appears that employees or customers of the industrial building to the north of Oak Street are parking on Oak St, preventing free flow of traffic. Alderman Corneils does not have a specific parking restriction proposal (i.e. one side vs. both sides) at this time.

The City only has jurisdiction on Oak Street from Cannonball Trail to approximately mid-block to the east. Please see the red shaded area on the attached map. Further east is controlled by Bristol Township. Please see the green shaded area on the attached map.

The City Council has historically followed this process for implementing parking restrictions:

- 1) A committee reviews the request and makes a recommendation to proceed as outlined below
  - a. This can occur during this meeting. Feedback would need to be provided on whether the parking restriction to be considered is one side of the street or both sides of the street.
- 2) The City Council approves the recommendation of the committee to proceed
  - a. This could occur at the April 23, 2024 City Council meeting
- 3) The staff send mailers to all homes adjacent to the proposed parking restriction inviting them to provide written comment or attend a future committee meeting
  - a. If approved, we would send these letters out by the end of April for the PW committee meeting on May 21, 2024.
- 4) The committee reviews public comment on the parking restriction
  - a. If approved, we propose the May 21, 2024 PW committee meeting
- 5) The City Council reviews the committee recommendation and takes final action on the proposed parking restriction
  - a. If approved, we propose the May 28, 2024 City Council meeting

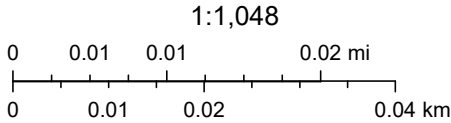
**Recommendation**

Staff is looking for feedback regarding initiating the parking restriction process along the portion of Oak Street that the City has control of and asks the City Council to direct staff to send resident mailers for a potential May Public Works committee meeting.

# Oak Street



4/11/2024, 11:50:19 AM



Map data from OpenStreetMap





Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #10

Tracking Number

PW 2024-40

### Agenda Item Summary Memo

**Title:** Tuscany Trail Parking Restriction

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** Please see the attached memo.

### Council Action Previously Taken:

Date of Action: \_\_\_\_\_ Action Taken: \_\_\_\_\_

Item Number: \_\_\_\_\_

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Erin Willrett Administration  
Name Department

### Agenda Item Notes:

Staff is looking for feedback.



# Memorandum

To: Public Works Committee  
From: Erin Willrett, Assistant City Administrator  
CC: Bart Olson, City Administrator  
Date: April 16, 2024  
Subject: Tuscany Trail Parking Restriction

---

## **Summary**

Discussion of a proposal to direct staff to notify residents of a proposal to enact parking restrictions on Tuscany Trail.

## **Background**

Alderman Corneils received neighborhood resident complaints that there will be parking issues, once the cricket stadium is built near this subdivision. The Police have gotten a few complaints of overnight parking along this roadway in recent months. Despite Tuscany Trail being a no-load street, it has been observed that there is an Oswego resident parking along the Yorkville curve approaching the Oswego boundary overnight. Oswego prohibits overnight parking and Yorkville does not.

In other locations of the City, parking restrictions have been placed on the interior radius of the curve. On the attached map, the highlighted area is approximately 675 feet of restriction from the Yorkville City limits along the interior radius of the curve. Allowing parking in this area may lead to a sight line issue if there was more traffic along this roadway because of the stadium. The City could also restrict the area south or west of the curve as well.

The City Council has historically followed this process for implementing parking restrictions:

- 1) A committee reviews the request and makes a recommendation to proceed as outlined below
  - a. This can occur during this meeting. Feedback would need to be provided on whether the parking restriction should be considered.
- 2) The City Council approves the recommendation of the committee to proceed
  - a. This could occur at the April 23, 2024, City Council meeting.
- 3) The staff send mailers to all homes adjacent to the proposed parking restriction inviting them to provide written comment or attend a future committee meeting.
  - a. If approved, we would send these letters out by the end of April for the PW committee meeting on May 21, 2024.
- 4) The committee reviews public comment on the parking restriction
  - a. If approved, we propose the May 21, 2024, PW committee meeting.

- 5) The City Council reviews the committee recommendation and takes final action on the proposed parking restriction.
  - a. If approved, we propose the May 28, 2024, City Council meeting.

**Recommendation**

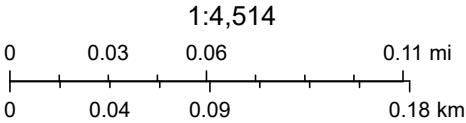
Staff is looking for feedback regarding initiating the parking restriction process along the Tuscany Trail and asks the City Council to direct staff to send resident mailers for a potential May Public Works committee meeting.



# Tuscany Trail Restriction



4/11/2024, 1:29:04 PM



Map data from OpenStreetMap





Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Purchasing	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

Old Business #1

Tracking Number

PW 2023-84

### Agenda Item Summary Memo

**Title:** Proposed Rt 47 Improvements

**Meeting and Date:** Public Works Committee – April 16, 2024

**Synopsis:** \_\_\_\_\_  
\_\_\_\_\_

### Council Action Previously Taken:

Date of Action: PW – 11/21/23      Action Taken: A discussion took place at the 11/21/23 PW meeting.

Item Number: PW 2023-84

**Type of Vote Required:** None

**Council Action Requested:** Informational

**Submitted by:** Brad Sanderson  
Name

Engineering  
Department

### Agenda Item Notes:

---

---

---

---

---





# Memorandum

To: Bart Olson, City Administrator  
From: Brad Sanderson, EEI  
CC: Eric Dhuse, Director of Public Works  
Rob Fredrickson, Finance Director  
Jori Behland, City Clerk

Date: April 4, 2024  
Subject: Rt 47 Improvements

---

This memo is to provide an update on the materials presented at the November 2023 Public Works Committee Meeting. At the time, there was a request to provide more detail on the proposed medians for all three proposed Rt 47 Improvement projects.

The three proposed projects are as follows:

- Rt 47 – Water Park Way to Jericho
- Rt 47 – Carpenter to Water Park Way
- Rt 47 – Caton Farm Road to Rt 71

Attached are the pre-final plans that IDOT has provided the City for the projects noted above. The proposed grassed medians have been highlighted in green.

Median design is based on the IDOT Design Manual which governs the design of all IDOT highway features. In general, the following items are taken into account during the design process:

- Access needs, design speeds, availability of right-of-way, safety, capacity, intersection spacing, traffic signals and intersection design.
- Raised medians near the intersections generally narrow to 8-10' wide and are planned to be concrete in the IDOT projects on the north side of the City. Grassed medians in these areas are generally discouraged due to worker safety concerns.
- Grassed medians are provided on the project south of Rt 71, south of Ament Road. It appears that right-of-way and access issues may have governed the median design north of Ament Road.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KENDALL/KANE	421	1
ILLINOIS		CONTRACT NO. 62M71		

D-91-291-18



LOCATION OF SECTION INDICATED THUS: —



HRGreen.com  
Illinois Professional Design Firm  
# 184-001322

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED \_\_\_\_\_ 20 \_\_\_\_\_  
\_\_\_\_\_  
REGIONAL ENGINEER  
\_\_\_\_\_  
20 \_\_\_\_\_  
ENGINEER OF DESIGN AND ENVIRONMENT  
\_\_\_\_\_  
20 \_\_\_\_\_  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**DESIGN DESIGNATIONS:**

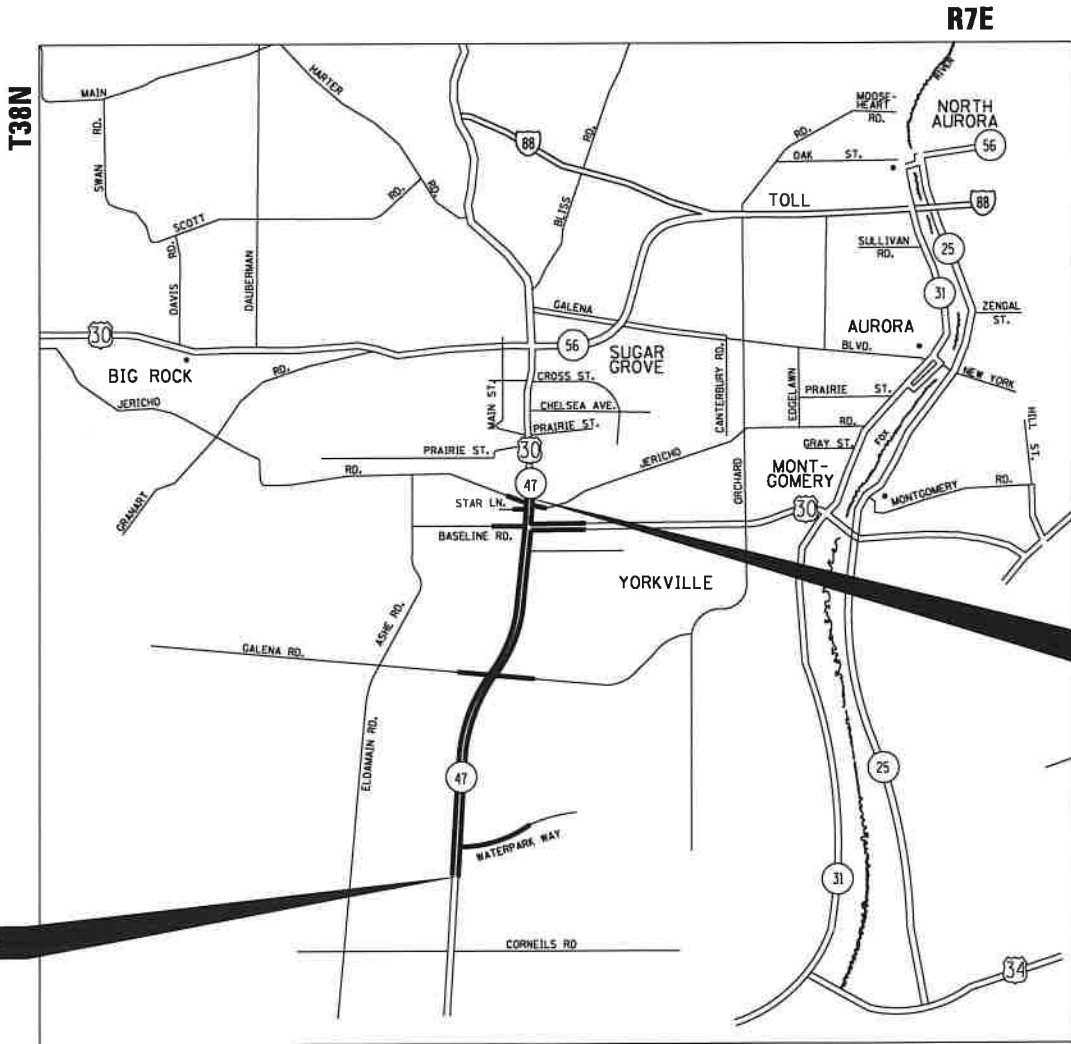
IL ROUTE 47: OTHER PRINCIPAL ARTERIAL, ADT: 24,000 (2016) 42,000 (2040)  
WATERPARK WAY: LOCAL STREET, ADT: 300 (2016) 5,000 (2040)  
GALENA ROAD: MINOR ARTERIAL, ADT: 6,900 (2016) 11,400 (2040)  
US 30: OTHER PRINCIPAL ARTERIAL, ADT: 7,750 (2016) 22,000 (2040)  
BASELINE ROAD: LOCAL STREET, ADT: 1,650 (2016) 7,000 (2040)  
JERICHO ROAD: MINOR ARTERIAL, ADT: 4,700 (2016) 7,900 (2040)

**POSTED/DESIGN SPEEDS**

45 MPH /45 MPH  
30 MPH /30 MPH  
50 MPH /50 MPH  
50 MPH /55 MPH  
50 MPH /55 MPH  
50 MPH /50 MPH

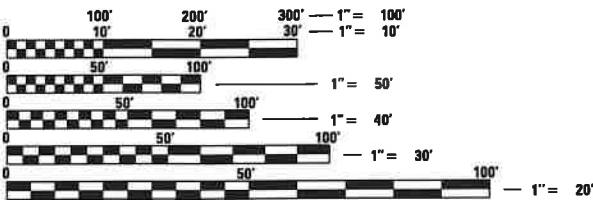
PROJECT LOCATED IN THE CITY OF YORKVILLE  
AND VILLAGE OF SUGAR GROVE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PROPOSED  
HIGHWAY PLANS**  
FAP ROUTE 326 (ILLINOIS ROUTE 47)  
FROM JERICHO ROAD TO GALENA ROAD  
SECTION: 2020-198-W&T  
PROJECT: NHPP 4ST8(270)  
ADDITIONAL LANES, RECONSTRUCTION  
& CULVERT REPLACEMENT  
KENDALL & KANE COUNTY  
C-91-396-20



PROJECT END  
IL ROUTE 47  
STA 349+00

PROJECT BEGINS  
IL ROUTE 47  
STA 230+00



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

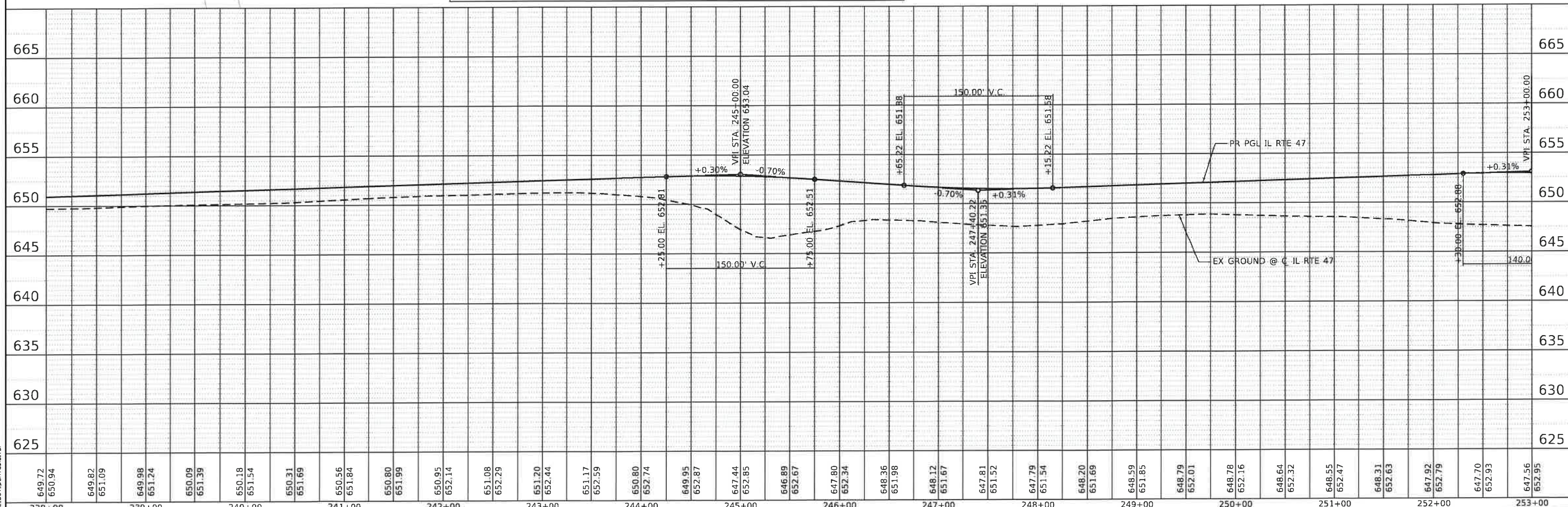
PROJECT ENGINEER – DARPIT SHAH, PE (847) 705-4755  
PROJECT MANAGER – BRIAN KUTTAB, PE (847) 705-4431

CONTRACT NO. 62M71

LOCATION MAP  
(NOT TO SCALE)  
PROJECT LENGTH

NET AND GROSS LENGTH OF PROJECT: 11,900 FT. = 2.25 MILES

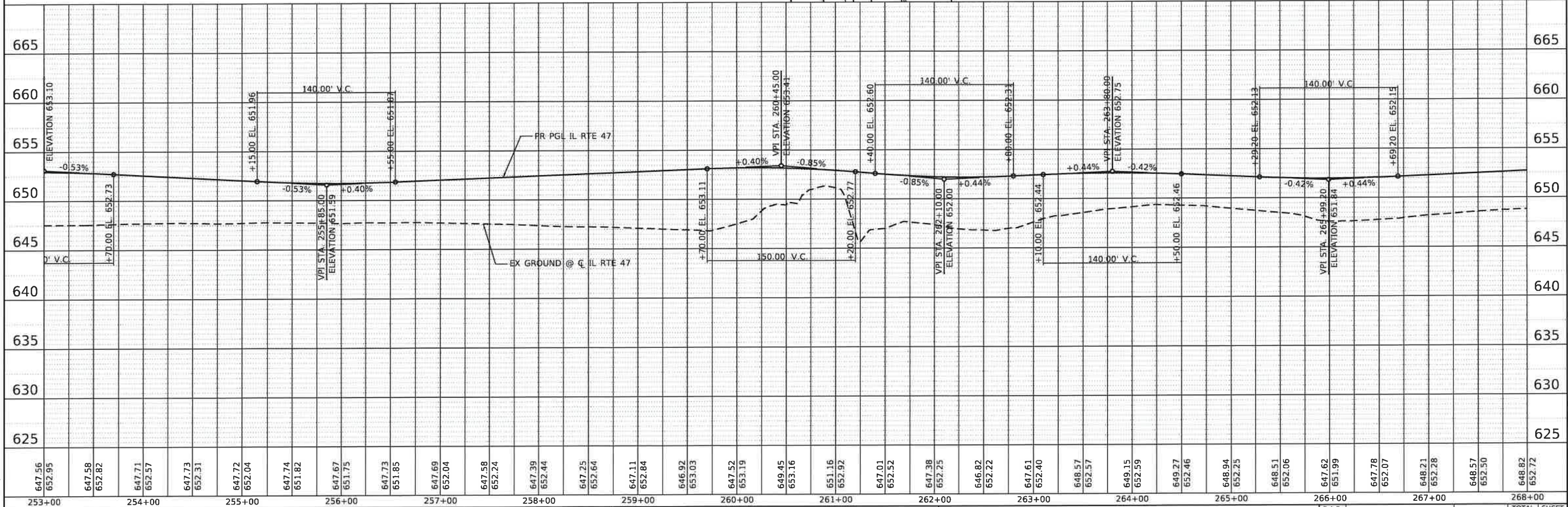




```
FILE NAME: CI-DI62M71-shrt-plnprf-IL47-02.dgn
PLOT DRIVER: /HRG_N_DOT.pdf_bw.pltcfq
PEN TABLE: HRG_N_DOT.penable.tbl
```



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		
NOTE BOOK NO. _____			



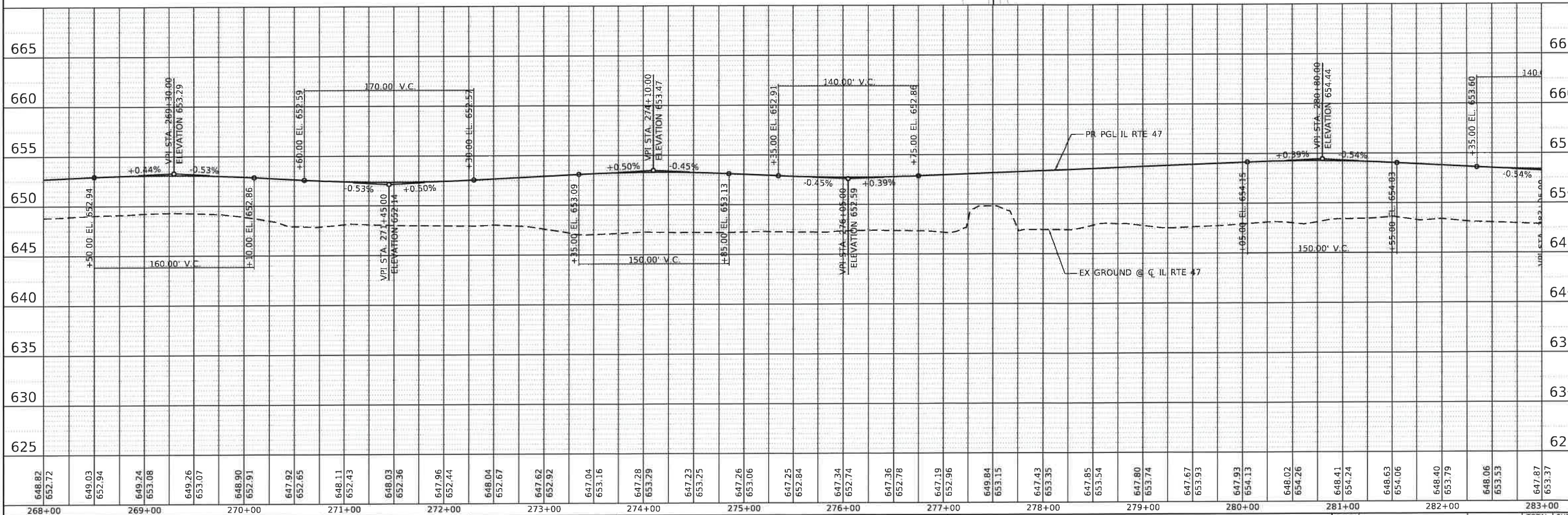
 <b>HRGreen.com</b> Illinois Professional Design Firm # 184-001322 <b>HRGreen.</b>	USER NAME = dstanec	DESIGNED =	REVISED =	<div style="text-align: center;"> <b>STATE OF ILLINOIS</b>  <b>DEPARTMENT OF TRANSPORTATION</b> </div>	<div style="text-align: center;"> <b>PLAN &amp; PROFILE</b>  <b>ILLINOIS ROUTE 47</b> </div>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN = DMS	REVISED =					326	2020-198-W&T	KENDALL	421	75
	PLOT SCALE = \$SCALE\$	CHECKED =	REVISED =					CONTRACT NO. 62M71				
	PLOT DATE = 10/11/2023	DATE =	REVISED =					ILLINOIS FED. AID PROJECT				
				SCALE: 1"=50'	SHEET 3	OF 18 SHEETS	STA. 253+00.00 TO STA. 268+00.00					



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	B.M. NOTED _____		
NOTE BOOK _____	STRUCTURE NOTATIONS CHK'D _____		
NO. _____			



HRGreen.com  
Illinois Professional Design Firm  
# 184-001322  
HRGreen.

[illegible]

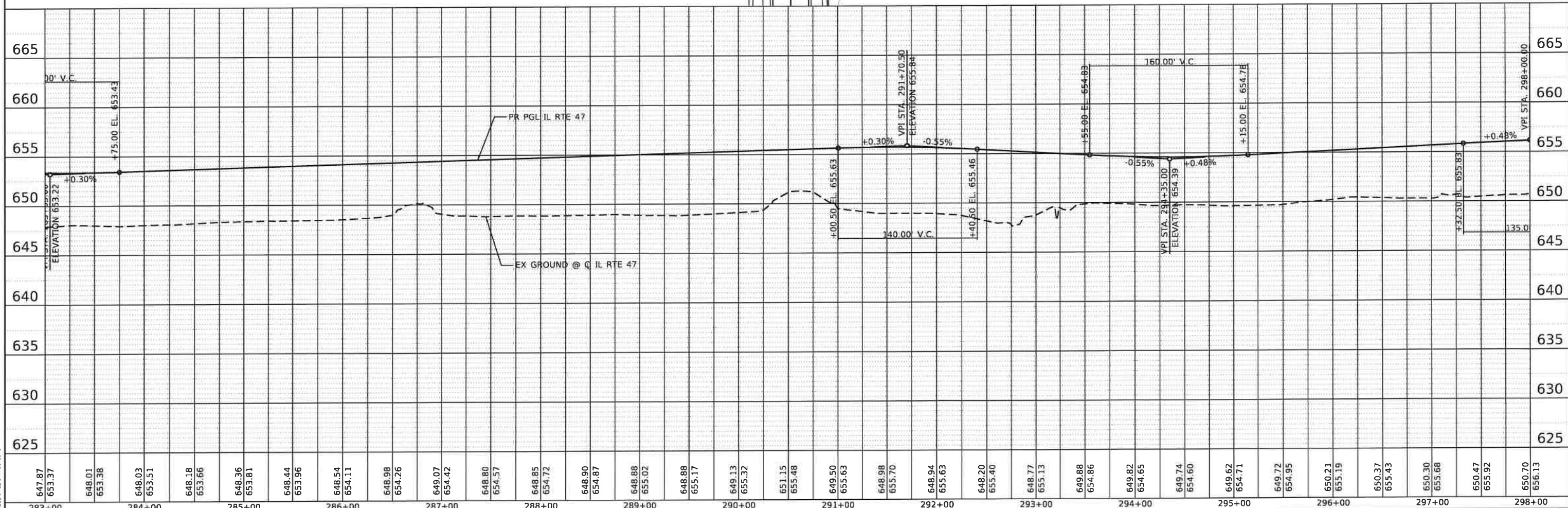
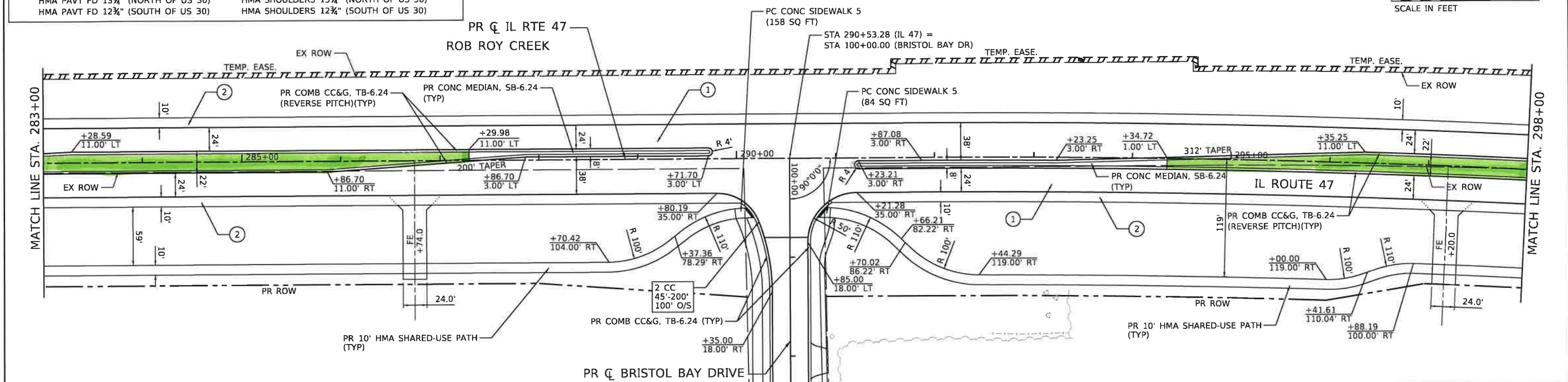
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	2020-198-W&T	KENDALL	421	7
		CONTRACT NO. 62M		
		ILLINOIS	FED. AID PROJECT	



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____ GRADES CHECKED _____ B.M. NOTED _____ STRUCTURE NOTATIONS CHECKED _____ NO. _____		

FILE NAME: C:\D62N71-shrt-phprt-IL47-05.dgn  
PLOT DRIVER: /HRC.IL.DOT\_pdf\_bw.pltcf  
PEN TABLE: HRC.IL.DOT\_pentable.tbl

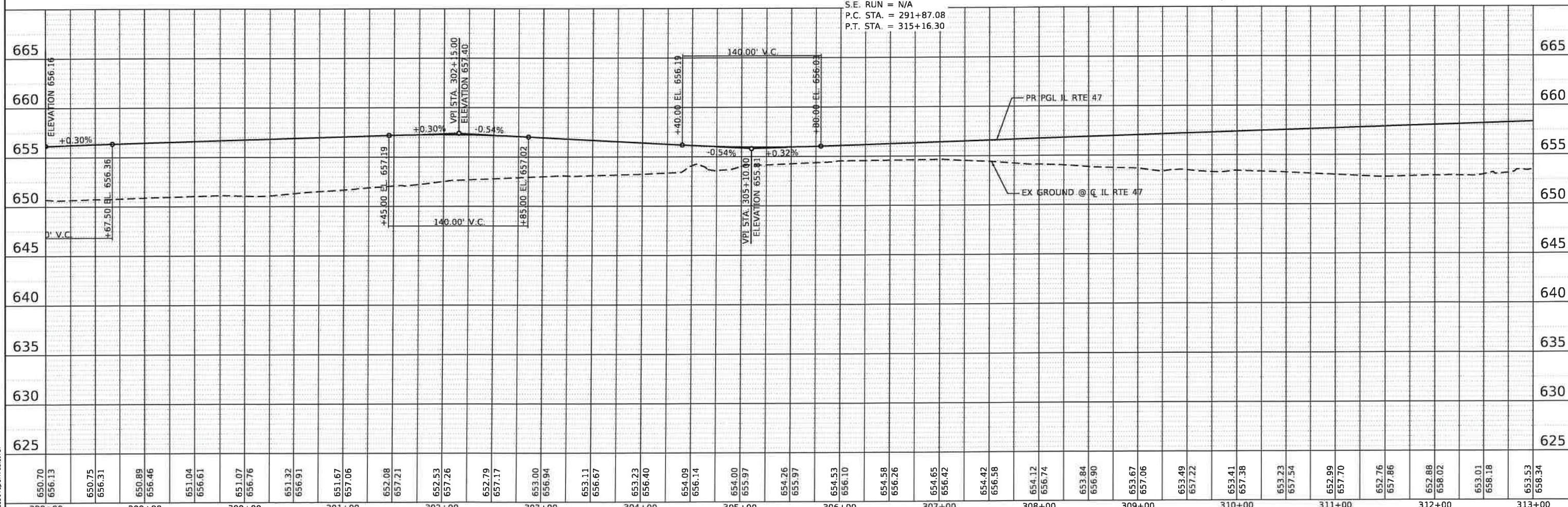
<u>LEGEND:</u>	
① <u>ALTERNATIVE A</u>	② <u>ALTERNATIVE A</u>
PCC PVT 10½" JOINTD (NORTH OF US 30)	PCC SHOULDERS 10½" JOINTD (NORTH OF US 30)
PCC PVT 10¾" JOINTD (SOUTH OF US 30)	PCC SHOULDERS 10¾" JOINTD (SOUTH OF US 30)
<u>ALTERNATIVE B</u>	<u>ALTERNATIVE B</u>
HMA PAVT FD 13¾" (NORTH OF US 30)	HMA SHOULDERS 13¾" (NORTH OF US 30)
HMA PAVT FD 12¾" (SOUTH OF US 30)	HMA SHOULDERS 12¾" (SOUTH OF US 30)



 <b>HRGreen.com</b> Illinois Professional Design Firm # 184-001932 <b>HRGreen.</b>	USER NAME = dstancl	DESIGNED -	REVISED -	<div style="text-align: center;"> <b>STATE OF ILLINOIS</b>  <b>DEPARTMENT OF TRANSPORTATION</b> </div>	<div style="text-align: center;"> <b>PLAN &amp; PROFILE</b>  <b>ILLINOIS ROUTE 47</b> </div>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN = DMS	REVISED -	326						2020-198-W&T	KENDALL	421	77	
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -		CONTRACT NO. 62M71								
	PLOT DATE = 10/17/2023	DATE -	REVISED -		SCALE: 1"=50'	SHEET 5	OF 18 SHEETS	STA. 283+00.00 TO STA. 298+00.00	ILLINOIS	FED. AID PROJECT			



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		
	NO. _____		

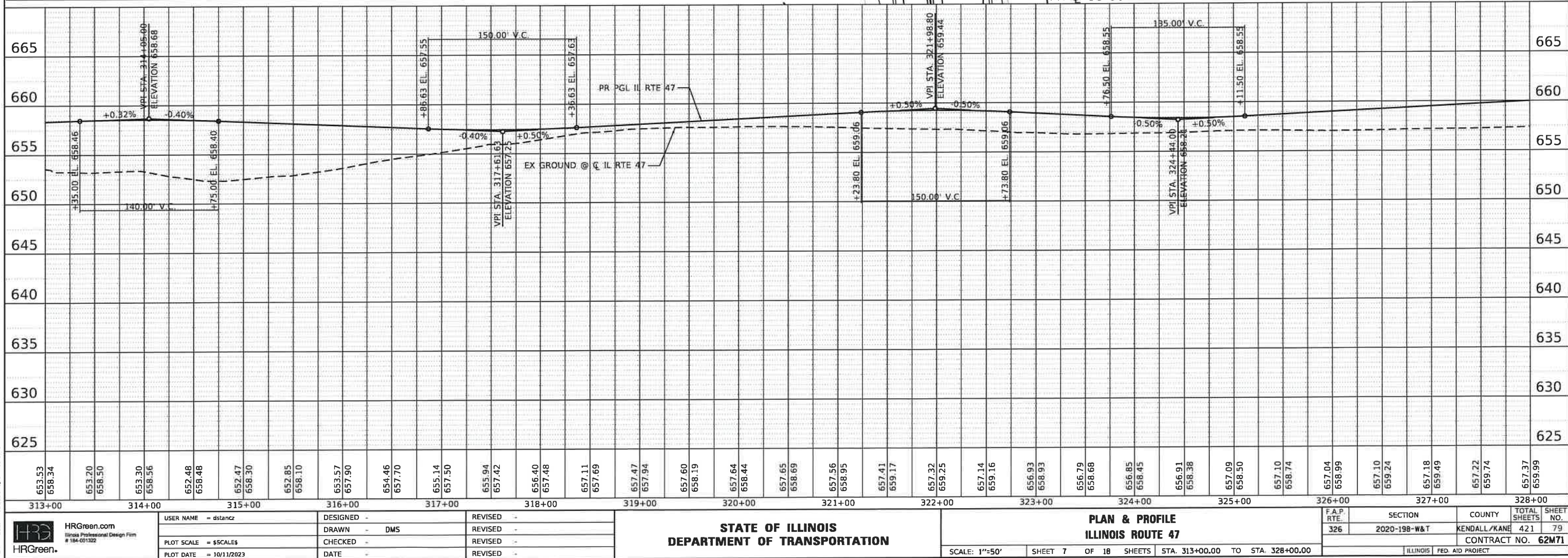


 <b>HRGreen.com</b> Illinois Professional Design Firm # 184-001322 <b>HRGreen.</b>		USER NAME = dstantz DESIGNED = DRAWN = DMS CHECKED = PLOT SCALE = \$SCALE\$ PLOT DATE = 10/11/2023	DESIGNED = REVISED = CHECKED = DATE = REVISED =	<div style="text-align: center;"> <b>STATE OF ILLINOIS</b>  <b>DEPARTMENT OF TRANSPORTATION</b> </div>	<div style="text-align: center;"> <b>PLAN &amp; PROFILE</b>  <b>ILLINOIS ROUTE 47</b> </div>	F.A.P. RTE. 326 SECTION 2020-198-W&T COUNTY KENDALL TOTAL SHEETS 421 SHEET NO. 78 CONTRACT NO. 62M71 ILLINOIS FED. AID PROJECT
		SCALE: 1"=50'	SHEET 6 OF 18 SHEETS	STA. 298+00.00 TO STA. 313+00.00		

FILE NAME: C:\DW52M71-shr-pnpr-f-l\47-06.dgn  
PLOT DRIVER: /HRC-IL\_DOT\_pdf\_bw.pltcfq  
PEN TABLE: HRC-IL\_DOT\_penable.tbl



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____ GRADES CHECKED _____ B.M. NOTED _____ STRUCTURE NOTATIONS CHECKED _____ NO. _____		

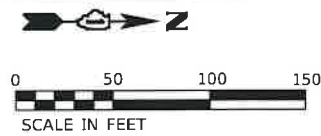
[illegible]



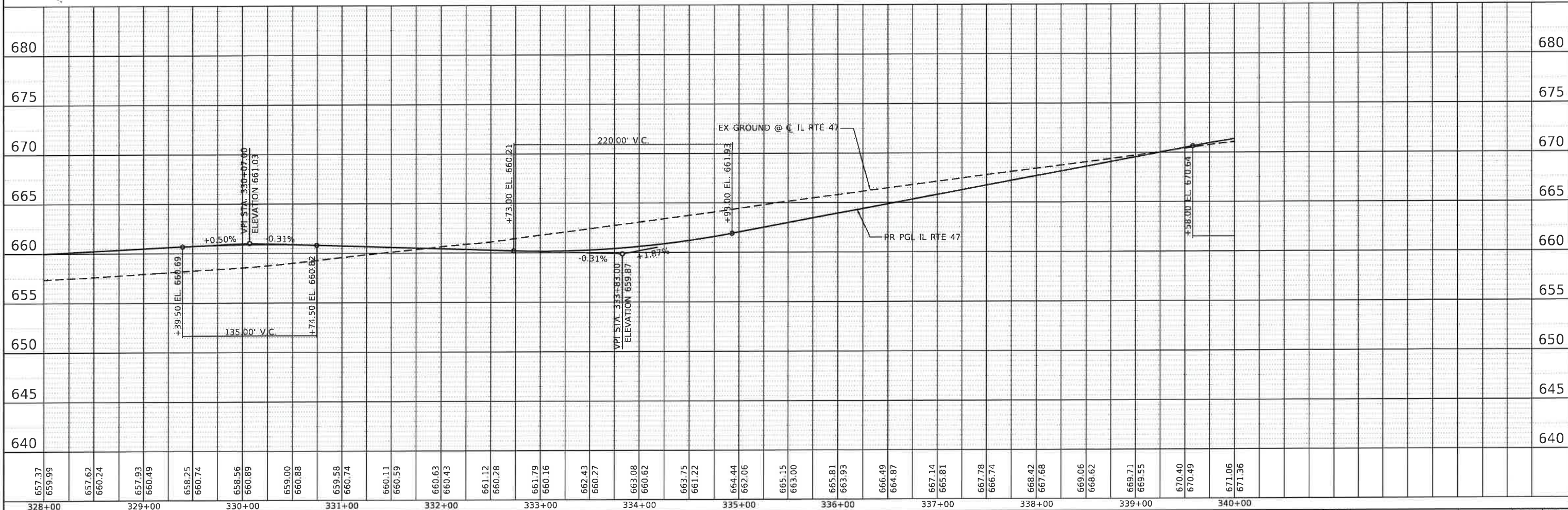
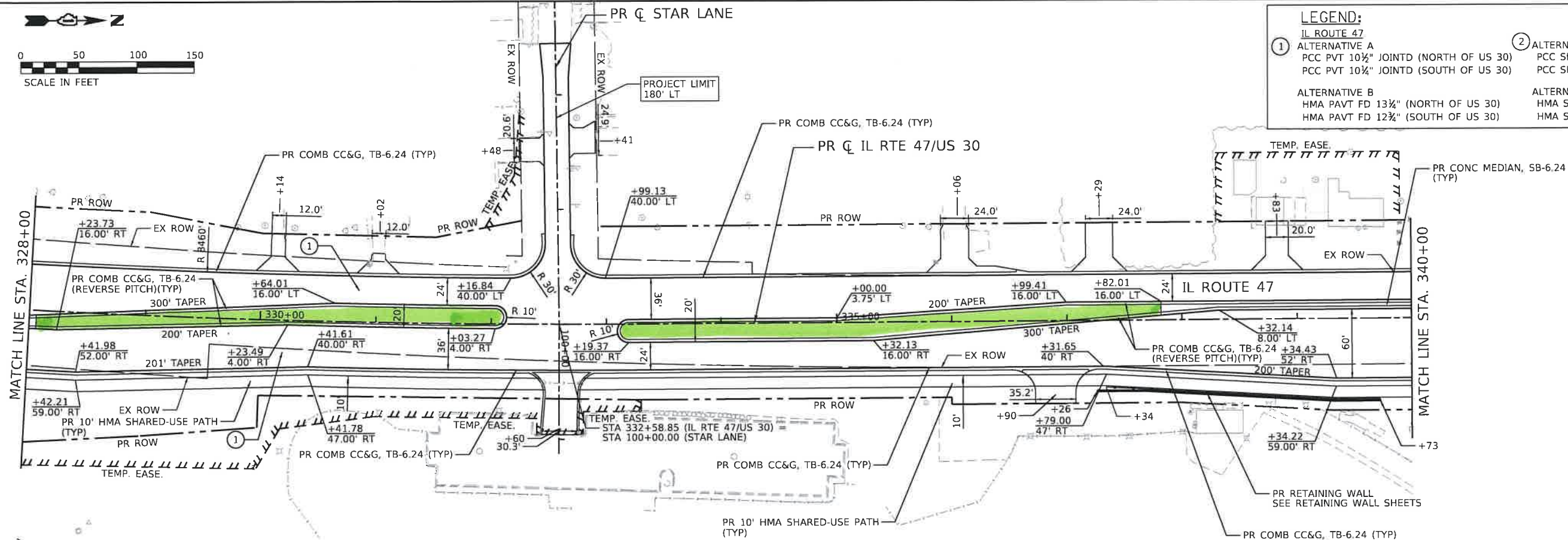
PLAN	BY	DATE
DESIGNED		
PLOTTED		
CHECKED		
NO.		

PROFILE	BY	DATE
DESIGNED		
PLOTTED		
CHECKED		
NO.		

FILE NAME: C:\DEVELOPMENT\shp\shp-f-47-08.dgn  
PLOT DRIVER: WRC.A.001.pdf-bw.plt  
PEN TABLE: WRC.L.001-pen.tbl



LEGEND:			
①	IL ROUTE 47		
	ALTERNATIVE A		
	PCC PVT 10 1/2" JOINTD (NORTH OF US 30) PCC PVT 10 1/2" JOINTD (SOUTH OF US 30)		
②	ALTERNATIVE A		
	PCC SHOULDERS 10 1/2" JOINTD (NORTH OF US 30) PCC SHOULDERS 10 1/2" JOINTD (SOUTH OF US 30)		
	ALTERNATIVE B		
	HMA PAVT FD 13 1/4" (NORTH OF US 30) HMA PAVT FD 12 3/4" (SOUTH OF US 30)		
	ALTERNATIVE B		
	HMA SHOULDERS 13 1/4" (NORTH OF US 30) HMA SHOULDERS 12 3/4" (SOUTH OF US 30)		



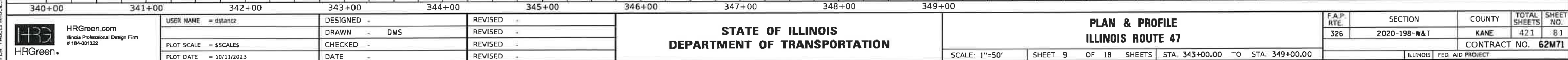
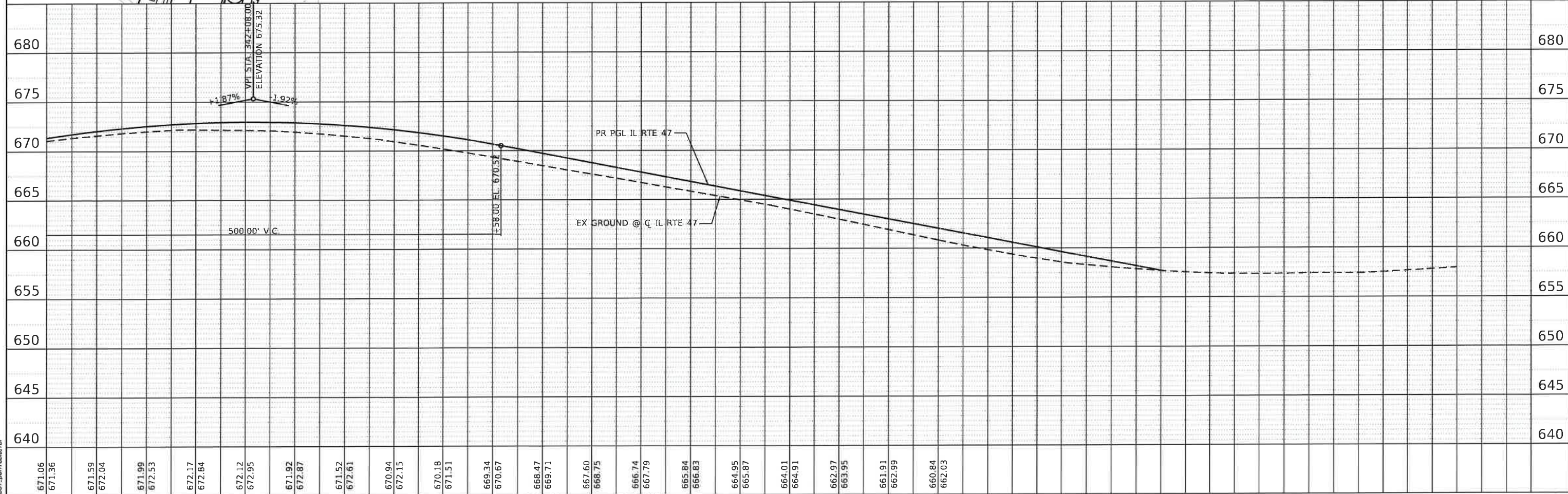
 HRGreen.com Illinois Professional Design Firm # 186-001322	USER NAME = dntanz		DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE ILLINOIS ROUTE 47				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$Scales		DRAWN = DMS	REVISED =		326	2020-198-W&T	KANE	421	80				
	PLOT DATE = 10/11/2023		CHECKED =	REVISED =		CONTRACT NO. 62M71								
	DATE =		REVISED =	ILLINOIS FED. AID PROJECT										
						SCALE: 1"=50'	SHEET 8	OF 18	SHEETS	STA. 328+00.00	TO	STA. 343+00.00		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE  
ILLINOIS ROUTE 47





FILE NAME: C:\D162M71-sht-plnprf-IL47-09.dgn  
PLOT DRIVER: /HRC.N\_DOT.pdf\_bw.pltcfq  
OPEN TABLE: HRC.N\_DOT.pentable.tbl



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PROPOSED  
HIGHWAY PLANS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

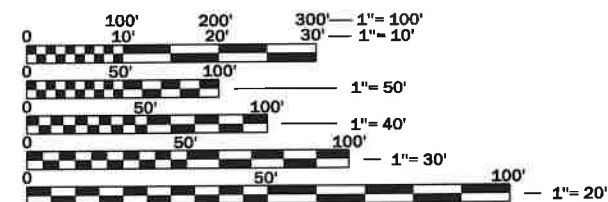
FOR LIST OF HIGHWAY STANDARDS, SEE SHEETS NO. 2 & 3

**TRAFFIC DATA**

ROADWAY	2021 ADT
IL 47	14100-15200
KENNEDY ROAD	4500
CANNONBALL TRAIL	3200
WRIGLEY WAY WEST	84
WRIGLEY WAY EAST	977
BOOMBAH BOULEVARD	1100
CORNEILS ROAD	425-1150

ROADWAY	POSTED / DESIGN SPEEDS
IL 47	45 MPH / 45 MPH
KENNEDY ROAD	45 MPH / 50 MPH
CANNONBALL TRAIL	45 MPH / 50 MPH
WRIGLEY WAY	30 MPH / 30 MPH
BOOMBAH BOULEVARD	30 MPH / 30 MPH
CORNEILS ROAD	35 MPH / 35 MPH

ROADWAY	DESIGN DESIGNATION
IL 47	OTHER PRINCIPAL ARTERIAL
KENNEDY ROAD	SUBURBAN MINOR ARTERIAL
CANNONBALL TRAIL	URBAN MAJOR COLLECTOR
WRIGLEY WAY	URBAN LOCAL STREET
BOOMBAH BOULEVARD	URBAN LOCAL STREET
CORNEILS ROAD	RURAL LOCAL ROAD

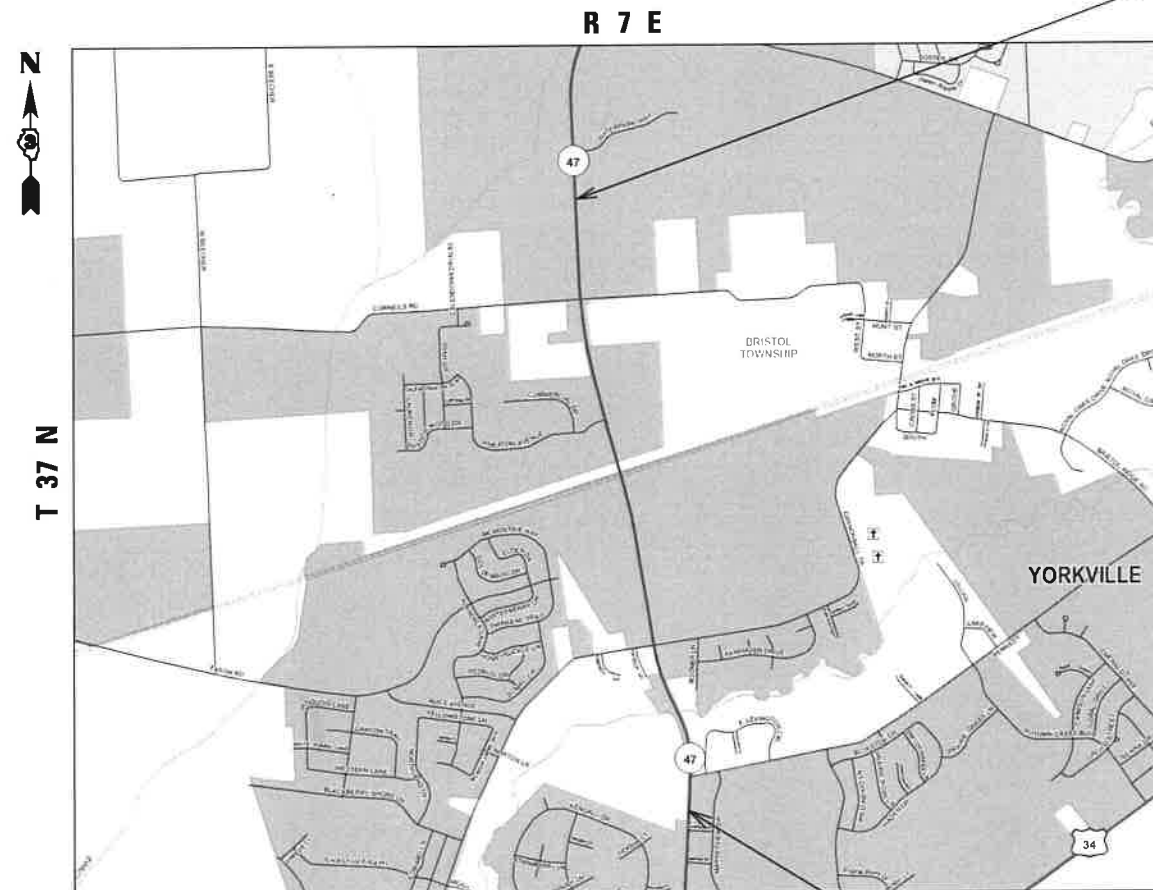


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER  
UNIT CHIEF  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66989

FAP ROUTE 326 (IL ROUTE 47)  
FROM CARPENTER STREET TO  
SOUTH OF WATERPARK WAY  
SECTION (108)R&W & [(108)HB&BR]BR,BY  
PROJECT: R8ZW(167)  
RECONSTRUCTION AND WIDENING  
KENDALL COUNTY  
C-93-008-10

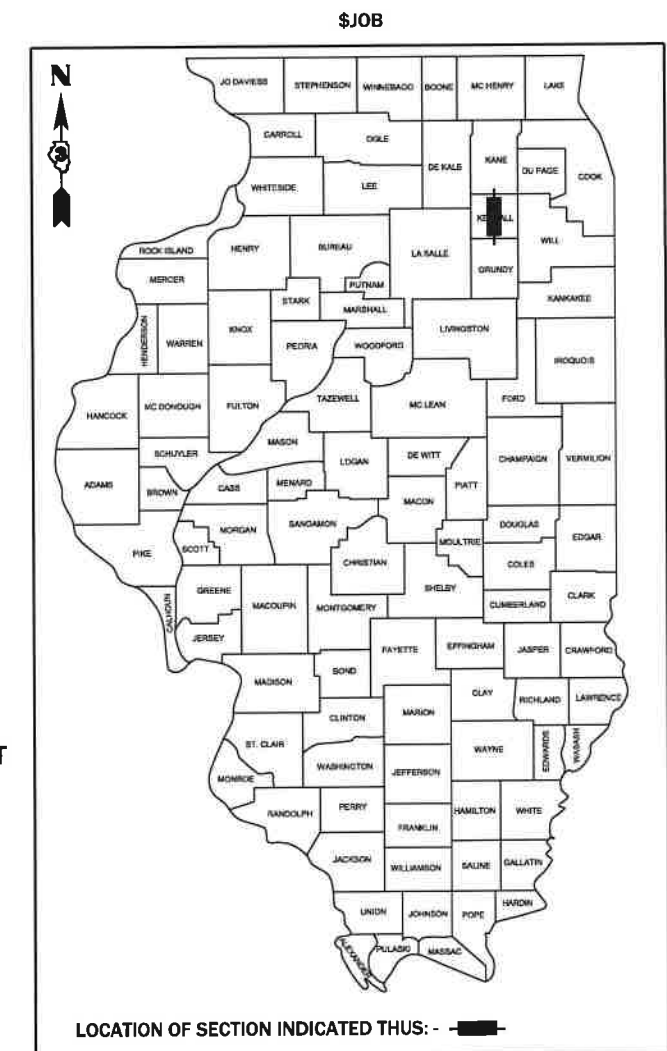


BRISTOL TOWNSHIP  
GROSS LENGTH = 11,526.32 FT. = 2.195 MILES  
NET LENGTH = 11,526.32 FT. = 2.195 MILES

BEGIN IMPROVEMENT  
STA. 114 + 73.68

END IMPROVEMENT  
STA. 230 + 00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)R&W & [(108)HB&BR]BR,BY	KENDALL	769	1
		ILLINOIS	CONTRACT NO. 66989	



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

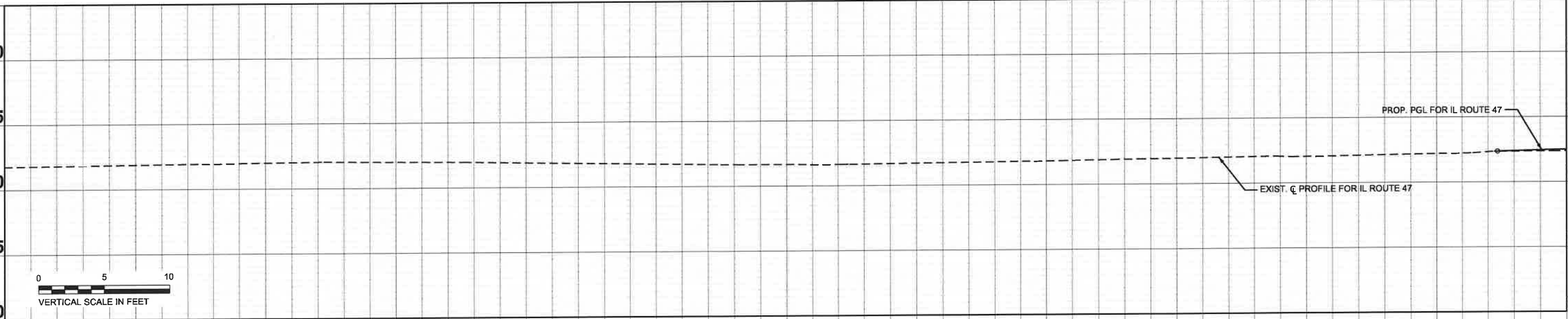
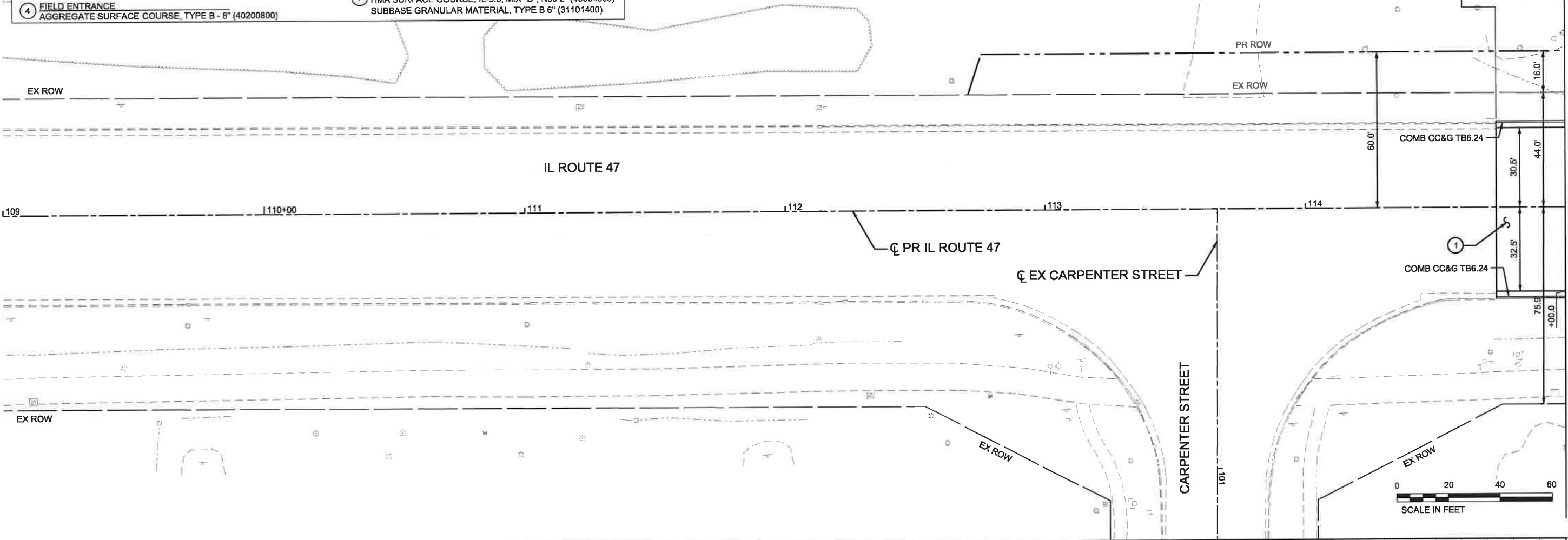
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
SUBMITTED _____	20 _____
REGIONAL ENGINEER	
_____	20 _____
ENGINEER OF DESIGN AND ENVIRONMENT	
_____	20 _____
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION	

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROPOSED ROADWAY LEGEND

- IL ROUTE 47**

  - 1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)
  - 2 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)
  - 3 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)
  - 4 FIELD ENTRANCE
- 5 PRIVATE ENTRANCE
  - 6 COMMERCIAL ENTRANCE
  - 7 SHARED-USE PATH
- 1 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL)
  - 2 AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
  - 3 PCC DRIVEWAY PAVEMENT, 6" (42300200)
  - 4 AGGREGATE BASE COURSE, TYPE A 4" (35100300)
  - 5 PCC DRIVEWAY PAVEMENT, 8" (42300400)
  - 6 AGGREGATE BASE COURSE, TYPE A 4" (35100300)
  - 7 HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)
  - 8 SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME = Personal	DESIGNED - JN	REVISED -
DRAWN - JN	CHECKED - SA	REVISED -
PLOT SCALE = 1"=20'	DATE - 5/19/2023	REVISED -
PLOT DATE = 5/18/2023		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY - PLAN AND PROFILE  
IL ROUTE 47**

SCALE: 1"=20'    SHEET 1 OF 21 SHEETS    STA. 109+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)R&W & (108)HB&BR(BR,BY	KENDALL	769	46
CONTRACT NO. 66989				
ILLINOIS FED. AID PROJECT				

PROPOSED ROADWAY LEGEND

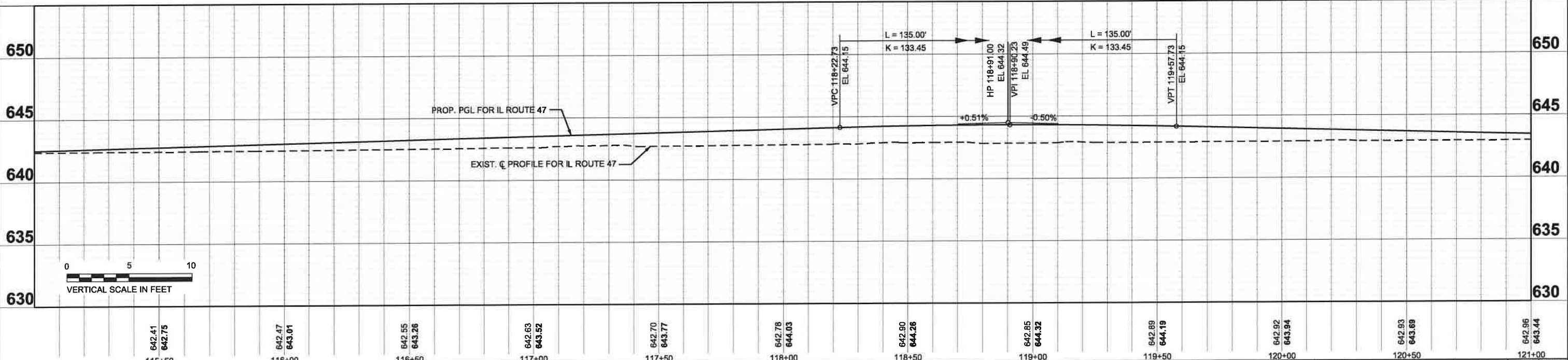
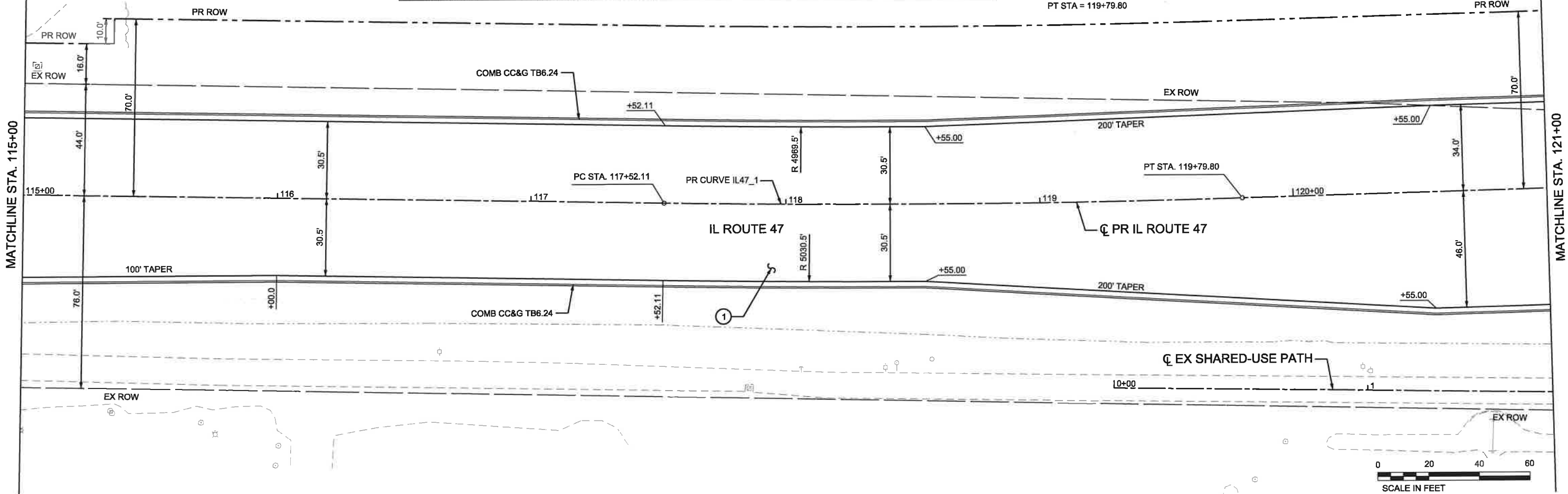
- IL ROUTE 47**

  - 1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)
  - 2 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)
  - 3 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)
  - 4 FIELD ENTRANCE
- PRIVATE ENTRANCE**

  - 5 PCC DRIVEWAY PAVEMENT, 6" (42300200)
  - 6 COMMERCIAL ENTRANCE
- SHARED-USE PATH**

  - 7 HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)

PR CURVE IL47\_1  
PI STA = 118+65.97  
 $\Delta = 02^{\circ}36'33"$  (LT)  
D = 01'08'45"  
R = 5,000.00'  
T = 113.86'  
L = 227.68'  
E = 1.30'  
PC STA = 117+52.11  
PT STA = 119+79.80



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME = Personal	DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 1"=20'	CHECKED - SA	REVISED -
PLOT DATE = 5/19/2023	DATE - 5/19/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY - PLAN AND PROFILE  
IL ROUTE 47**

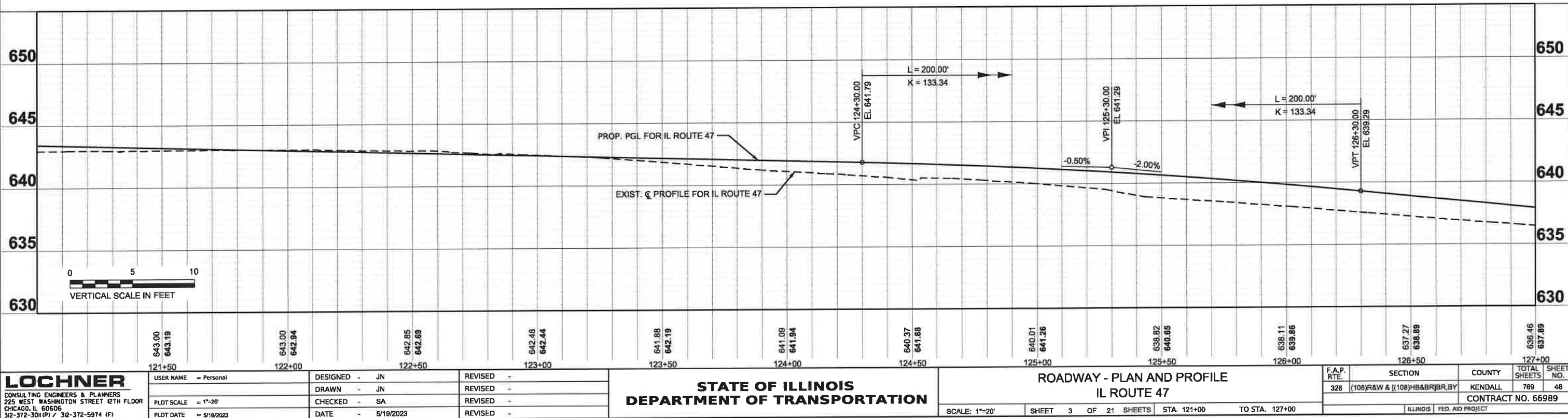
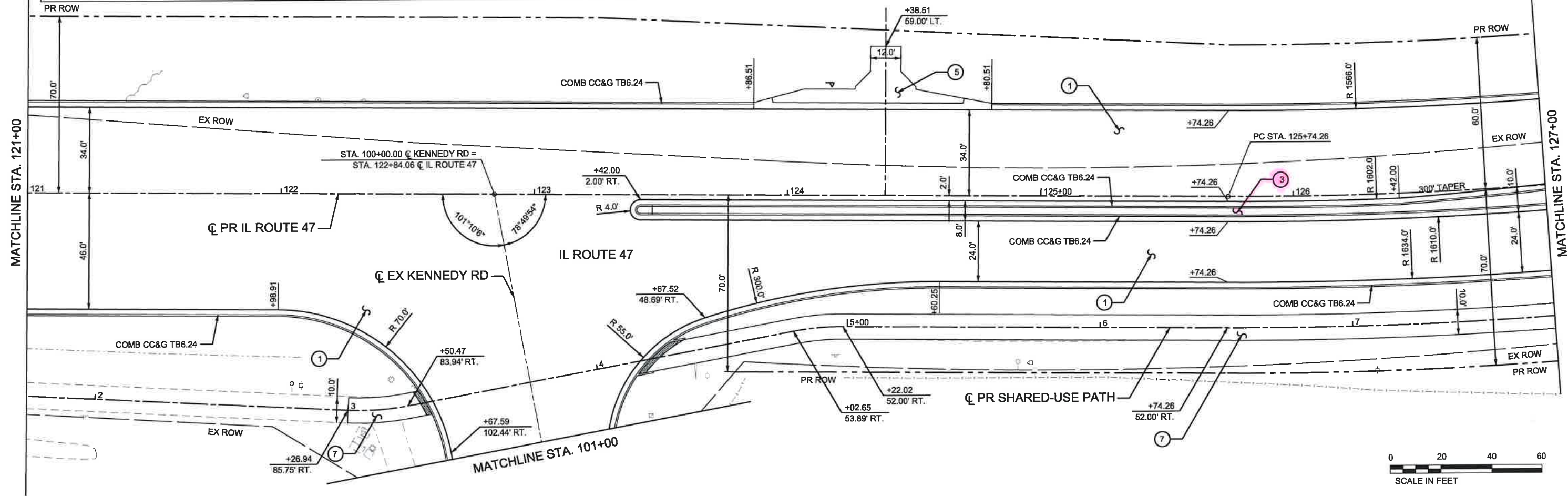
SCALE: 1"=20' SHEET 2 OF 21 SHEETS STA. 115+00 TO STA. 121+00

F.A.P. RTE. 326	SECTION (108)R&W & (108)HB&BR BR,BY	COUNTY KENDALL	TOTAL SHEETS 789	SHEET NO. 47
CONTRACT NO. 66989				
ILLINOIS FED. AID PROJECT				



# PROPOSED ROADWAY LEGEND

- |  |   |
|--|---|
| ① PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)     | ⑤ PRIVATE ENTRANCE<br>PCC DRIVEWAY PAVEMENT, 6" (42300200)                  |
| STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL)                | AGGREGATE BASE COURSE, TYPE A 4" (35100300)                                 |
| AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)                        | ⑥ COMMERCIAL ENTRANCE<br>PCC DRIVEWAY PAVEMENT, 8" (42300400)               |
| ② PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)              | AGGREGATE BASE COURSE, TYPE A 4" (35100300)                                 |
| ③ CONCRETE MEDIAN, TYPE SB-6.24 (60620000)                           | ⑦ SHARED-USE PATH<br>HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060) |
| ④ FIELD ENTRANCE<br>AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800) | SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)                             |



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY - PLAN AND PROFILE  
IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)R&W & (108)HB&BR&R, BY	KENDALL	789	48
CONTRACT NO. 66989				

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3001 (P) / 312-372-5974 (F)

USER NAME	= Personal
DRAWN	= JN
PLOT SCALE	= 1"=20'
PLOT DATE	= 5/18/2023

DESIGNED	= JN
DRAWN	= JN
CHECKED	= SA
DATE	= 5/19/2023

REVISED	=
REVISED	=
REVISED	=
REVISED	=

SCALE: 1"=20' SHEET 3 OF 21 SHEETS STA. 121+00 TO STA. 127+00

ILLINOIS FED. AID PROJECT



# PROPOSED ROADWAY LEGEND

- IL ROUTE 47

1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)

2 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL)

3 AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

4 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)

5 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)

6 FIELD ENTRANCE

7 AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800)
- 5 PRIVATE ENTRANCE

6 PCC DRIVEWAY PAVEMENT, 6" (42300200)

7 AGGREGATE BASE COURSE, TYPE A 4" (35100300)

8 COMMERCIAL ENTRANCE

9 PCC DRIVEWAY PAVEMENT, 8" (42300400)

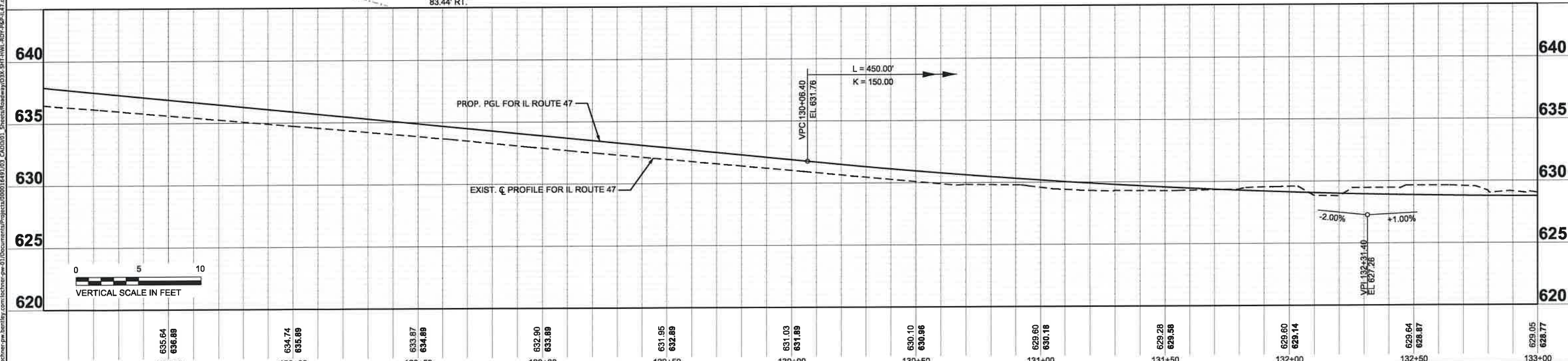
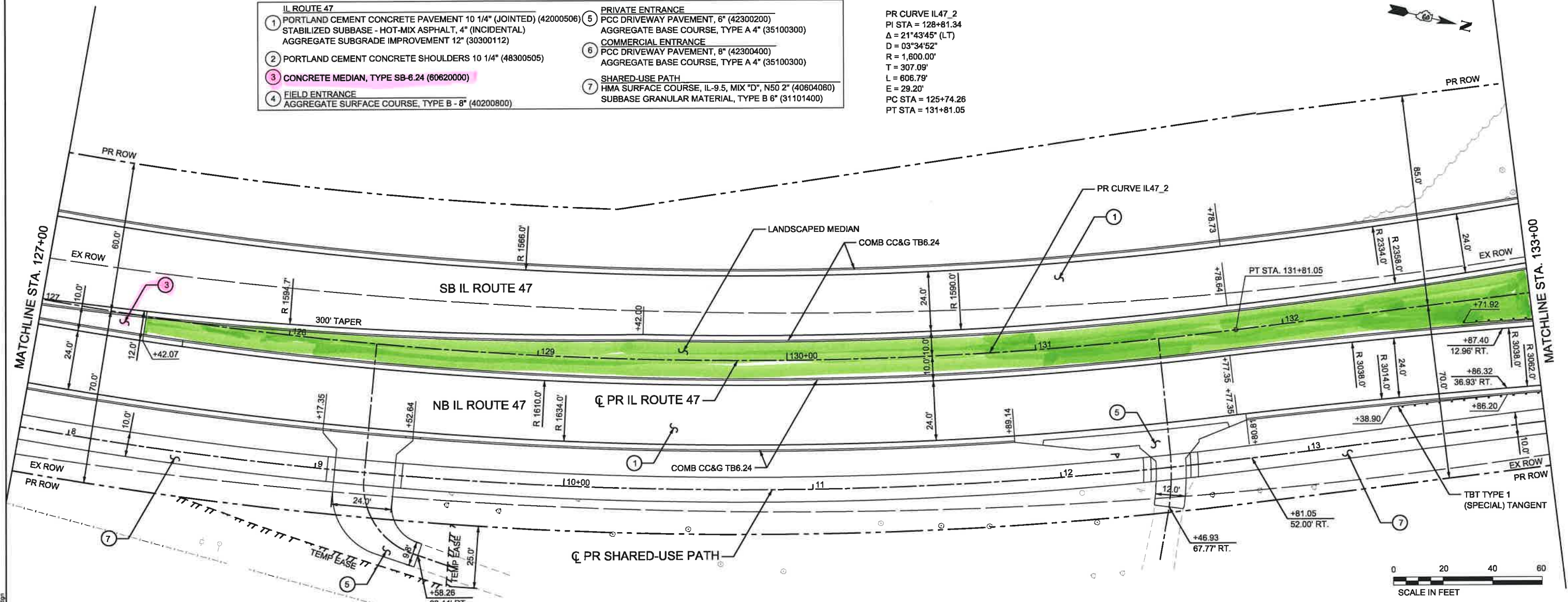
10 AGGREGATE BASE COURSE, TYPE A 4" (35100300)

11 SHARED-USE PATH

12 HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)

13 SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)

PR CURVE IL47\_2  
 PI STA = 128+81.34  
 $\Delta = 21^{\circ}43'45"$  (LT)  
 $D = 03^{\circ}34'52"$   
 $R = 1,600.00'$   
 $T = 307.09'$   
 $L = 606.79'$   
 $E = 29.20'$   
 PC STA = 125+74.26  
 PT STA = 131+81.05



<div>FILE NAME: DWG</div> <div><div>LOCHNER</div><div>CONSULTING ENGINEERS &amp; PLANNERS 225 WEST WASHINGTON STREET 12TH FLOOR CHICAGO, IL 60606 312-372-3011(P) / 312-372-5974 (F)</div></div>	127+50	128+00	128+50	129+00	129+50	130+00	130+50	131+00	131+50	132+00	F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.														
	<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>										ROADWAY - PLAN AND PROFILE						108	R&W & (108)HB&BR(BR,BY	KENDALL	769	49									
											IL ROUTE 47																			
											USER NAME = Personal										DESIGNED = JN		REVISED =		CONTRACT NO. 66989					
											DRAWN = JN										REVISED =									
PLOT SCALE = 1"=20'										CHECKED = SA		REVISED =																		
PLOT DATE = 5/18/2023										DATE = 5/19/2023		REVISED =		SCALE: 1"=20'						SHEET 4 OF 21 SHEETS	STA. 127+00 TO STA. 133+00	ILLINOIS FED. AID PROJECT								



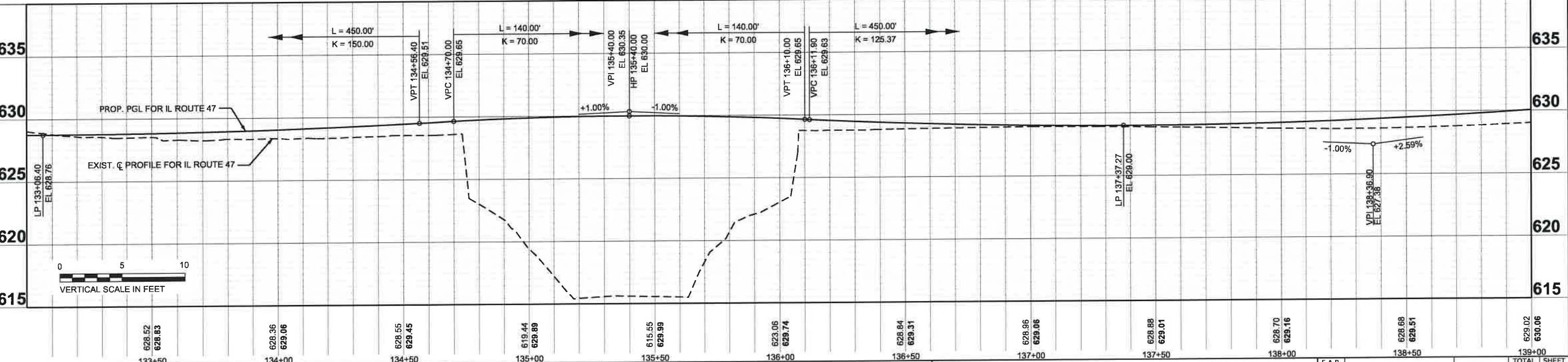
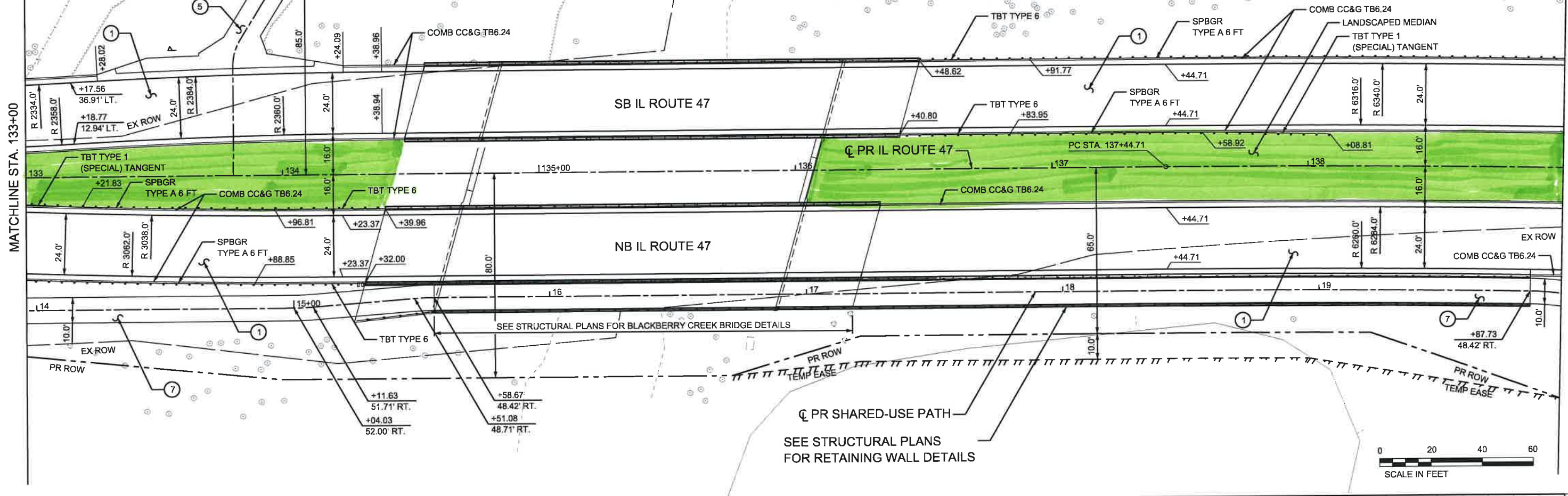
MODEL: PR C (IL-7 - Plan 5 (Sheet))  
FILE NAME: jpw\lochner\pww\benley\com\lochner\pww\01\Documents\Projects\00001\449103 CAD\031 Sheets\Roadway\031-PR-IL-7-HW-30Y-H&L-IL-7.dgn

MATCHLINE STA. 133+00

MATCHLINE STA. 139+00

PROPOSED ROADWAY LEGEND

- IL ROUTE 47
- 1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)
  - 2 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL)
  - 3 AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
  - 4 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)
  - 5 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)
  - 6 FIELD ENTRANCE
  - 7 AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800)
- PRIVATE ENTRANCE
- 5 PCC DRIVEWAY PAVEMENT, 6" (42300200)
  - 6 AGGREGATE BASE COURSE, TYPE A 4" (35100300)
- COMMERCIAL ENTRANCE
- 6 PCC DRIVEWAY PAVEMENT, 8" (42300400)
  - 6 AGGREGATE BASE COURSE, TYPE A 4" (35100300)
- SHARED-USE PATH
- 7 HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)
  - 7 SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME	= Personal
DESIGNED	- JN
DRAWN	- JN
CHECKED	- SA
DATE	= 5/19/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY - PLAN AND PROFILE  
IL ROUTE 47

SCALE: 1"=20' SHEET 5 OF 21 SHEETS STA. 133+00 TO STA. 139+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)R&W & (108)HB&BTR,BY	KENDALL	769	50
CONTRACT NO. 66989				
ILLINOIS FED. AID PROJECT				



# PROPOSED ROADWAY LEGEND

- IL ROUTE 47**

  - 1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)
  - 2 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)
  - 3 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)
  - 4 FIELD ENTRANCE
- 5 PRIVATE ENTRANCE
  - 6 COMMERCIAL ENTRANCE
  - 7 SHARED-USE PATH
- PCC DRIVEWAY PAVEMENT, 6" (42300200)

AGGREGATE BASE COURSE, TYPE A 4" (35100300)

PCC DRIVEWAY PAVEMENT, 8" (42300400)

AGGREGATE BASE COURSE, TYPE A 4" (35100300)

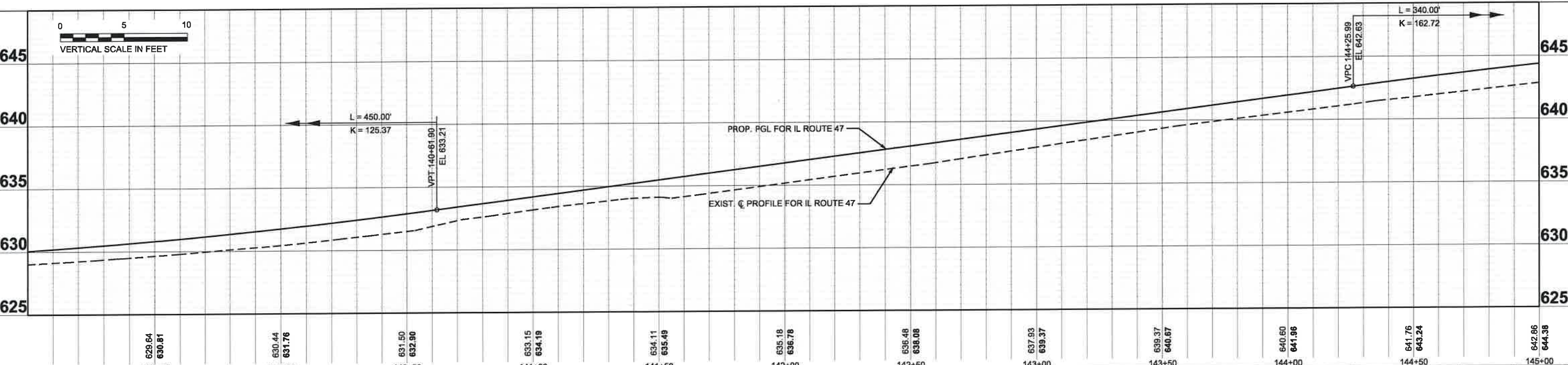
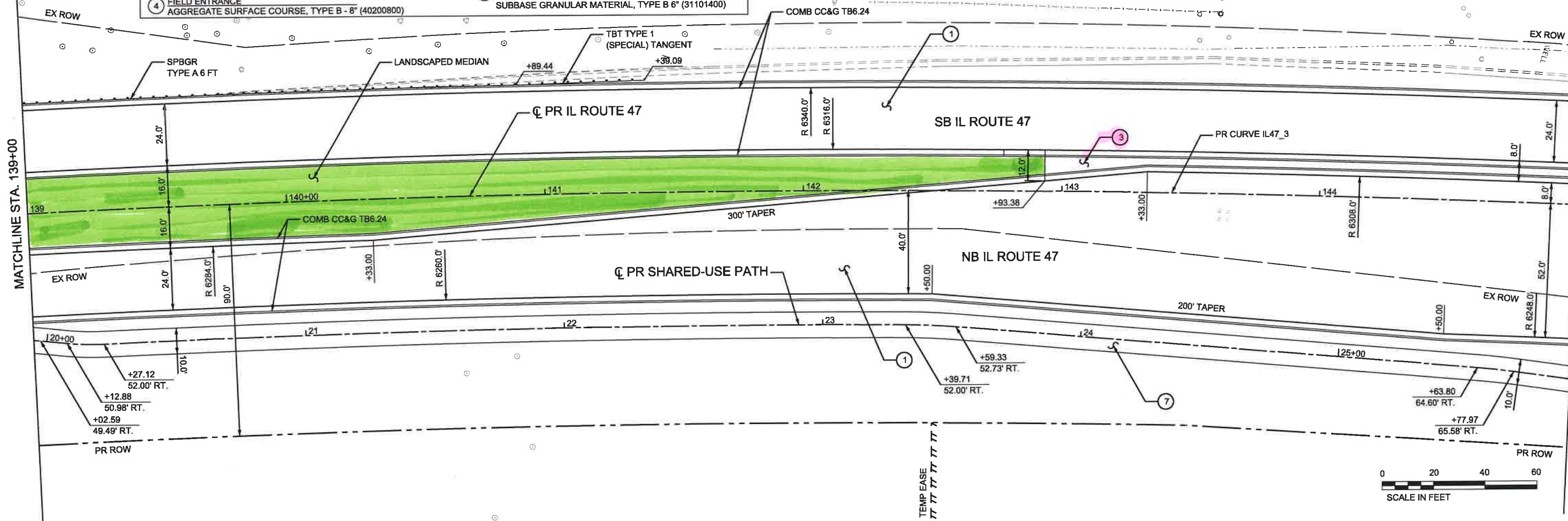
HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)

SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)

PR CURVE IL47\_3  
 PI STA = 144+26.44  
 $\Delta = 12^{\circ}21'07"$  (RT)  
 $D = 00^{\circ}54'34"$   
 $R = 6,300.00'$   
 $T = 681.73'$   
 $L = 1,358.17'$   
 $E = 36.78'$   
 PC STA = 137+44.71  
 PT STA = 151+02.88

MATCHLINE STA. 139+00

MATCHLINE STA. 145+00



<b>LOCHNER</b> CONSULTING ENGINEERS & PLANNERS 225 WEST WASHINGTON STREET 12TH FLOOR CHICAGO, IL 60606 312-372-3011 (P) / 312-372-5974 (F)				USER NAME = Personal DESIGNED - JN DRAWN - JN CHECKED - SA DATE - 5/19/2023				REVISED - REVISED - REVISED - REVISED -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ROADWAY - PLAN AND PROFILE IL ROUTE 47 SCALE: 1"=20' SHEET 6 OF 21 SHEETS STA. 138+00 TO STA. 145+00				F.A.P. RTE.: 326 SECTION (108)R&W & (108)HB&BR(BR,BY) COUNTY KENDALL TOTAL SHEETS 789 SHEET NO. 51 CONTRACT NO. 66989 ILLINOIS FED. AID PROJECT			
--	--	--	--	---	--	--	--	--	--	--	--	---	--	--	--	---	--	--	--	---	--	--	--





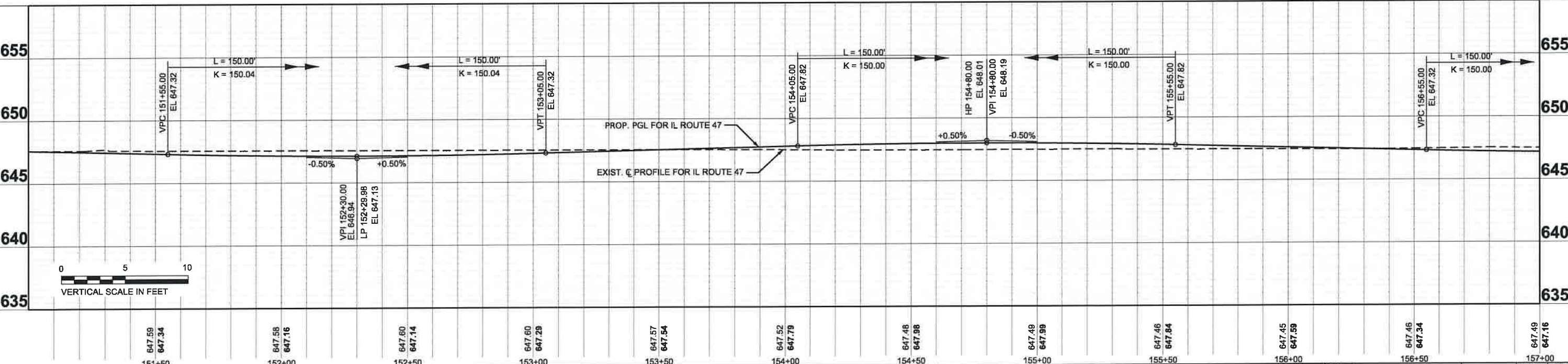
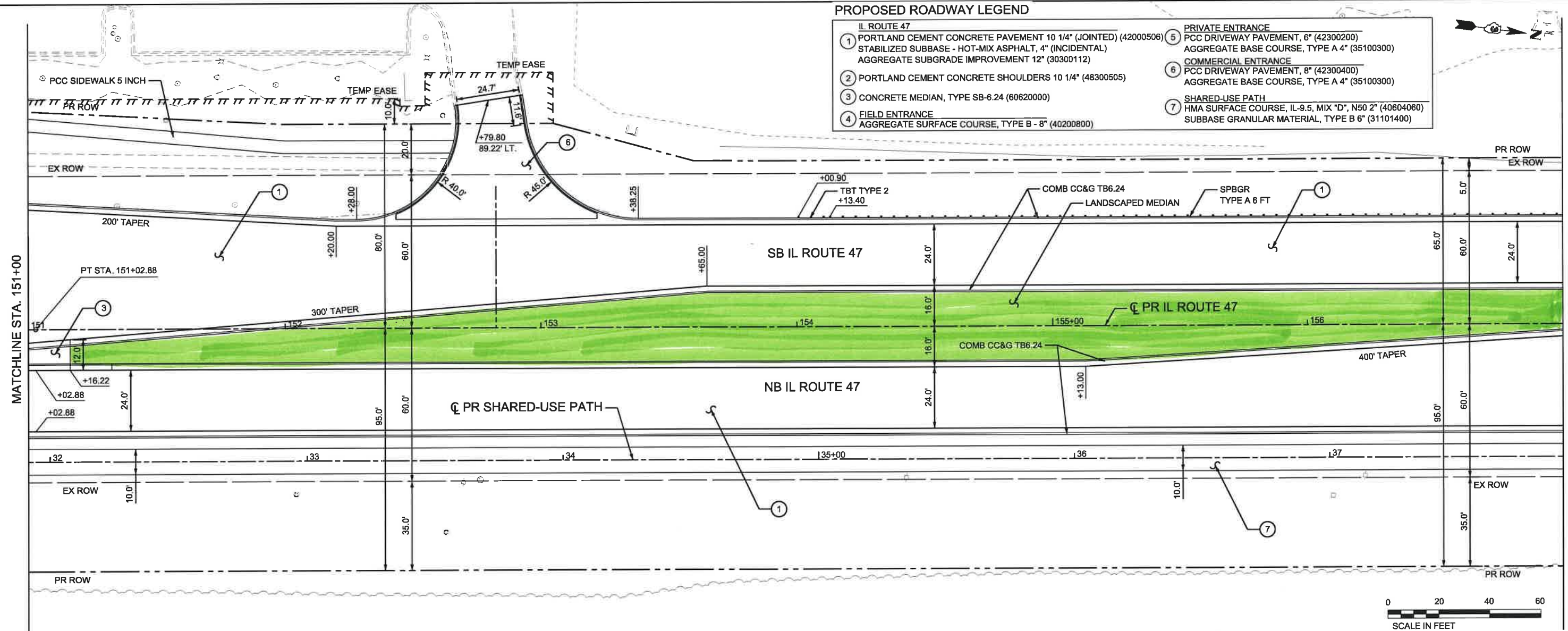


# PROPOSED ROADWAY LEGEND

- |   |   |
|---|---|
| <b>IL ROUTE 47</b><br>① PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)<br>STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL)<br>AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)<br>② PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)<br>③ CONCRETE MEDIAN, TYPE SB-6.24 (60620000)<br>④ FIELD ENTRANCE<br>AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800) | ⑤ PRIVATE ENTRANCE<br>PCC DRIVEWAY PAVEMENT, 6" (42300200)<br>AGGREGATE BASE COURSE, TYPE A 4" (35100300)<br>⑥ COMMERCIAL ENTRANCE<br>PCC DRIVEWAY PAVEMENT, 8" (42300400)<br>AGGREGATE BASE COURSE, TYPE A 4" (35100300)<br>⑦ SHARED-USE PATH<br>HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)<br>SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400) |
|---|---|

MATCHLINE STA. 151+00

MATCHLINE STA. 157+00



**LOCHNER**  
 CONSULTING ENGINEERS & PLANNERS  
 225 WEST WASHINGTON STREET 12TH FLOOR  
 CHICAGO, IL 60606  
 312-372-3011 (P) / 312-372-5974 (F)

USER NAME = Personal	DESIGNED - JN	REVISED -
DRAWN - JN	REVISOR -	
PLOT SCALE = 1"=20'	CHECKED - SA	REVISED -
PLOT DATE = 5/18/2023	DATE - 5/19/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY - PLAN AND PROFILE  
 IL ROUTE 47**

SCALE: 1"=20' SHEET 8 OF 21 SHEETS STA. 151+00 TO STA. 157+00

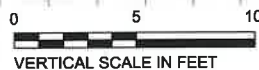
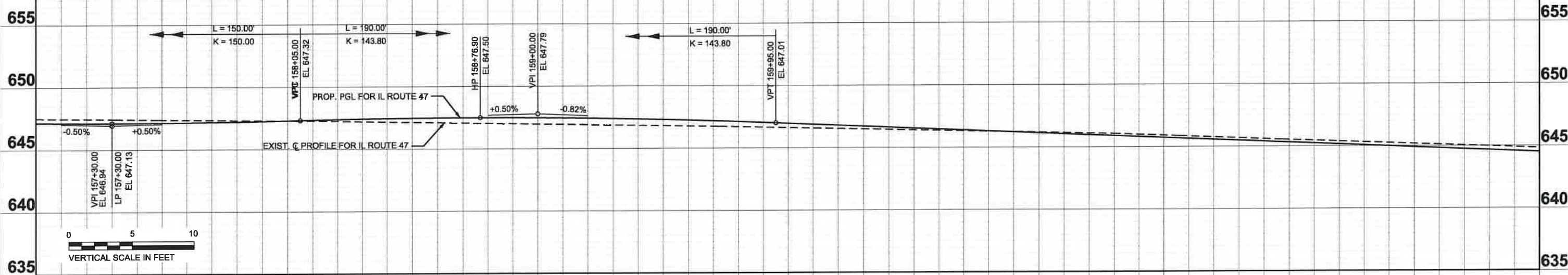
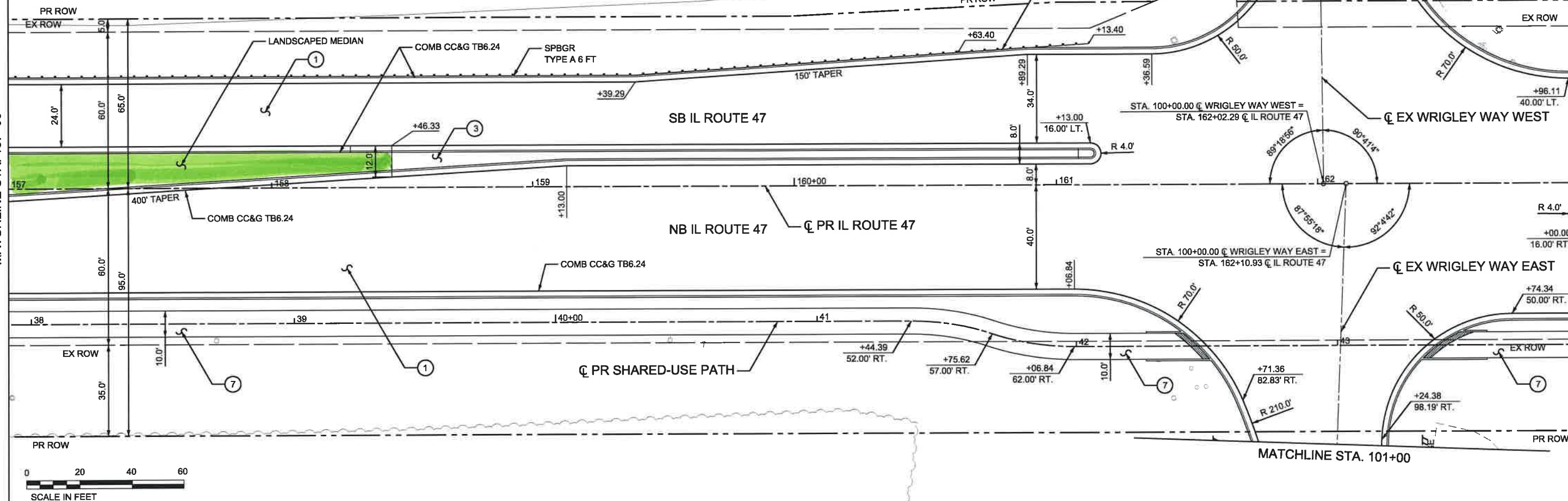
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)R&W & (108)HB&BRI(BR,BY	KENDALL	789	53
CONTRACT NO. 66989				
ILLINOIS FED. AID PROJECT				



# PROPOSED ROADWAY LEGEND

- |   |   |
|---|---|
| <b>IL ROUTE 47</b><br>① PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000508)<br>STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL)<br>AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)<br>② PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)<br>③ CONCRETE MEDIAN, TYPE SB-6.24 (60620000)<br>④ FIELD ENTRANCE<br>AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800) | ⑤ PRIVATE ENTRANCE<br>PCC DRIVEWAY PAVEMENT, 6" (42300200)<br>AGGREGATE BASE COURSE, TYPE A 4" (35100300)<br>⑥ COMMERCIAL ENTRANCE<br>PCC DRIVEWAY PAVEMENT, 8" (42300400)<br>AGGREGATE BASE COURSE, TYPE A 4" (35100300)<br>⑦ SHARED-USE PATH<br>HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604080)<br>SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400) |
|---|---|

MATCHLINE STA. 157+00



647.38 647.14	647.29 647.29	647.16 647.47	647.02 647.48	646.83 647.31	646.63 646.97	646.42 646.56	646.20 646.15	645.92 645.74	645.54 645.33	645.19 644.92	644.83 644.51
157+50	158+00	158+50	159+00	159+50	160+00	160+50	161+00	161+50	162+00	162+50	163+00
<b>LOCHNER</b> CONSULTING ENGINEERS & PLANNERS 225 WEST WASHINGTON STREET 12TH FLOOR CHICAGO, IL 60606 312-372-3011 (P) / 312-372-5974 (F)											
USER NAME = Personal			DESIGNED - JN			REVISED -			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
DRAWN - JN			CHECKED - SA			REVISD -			ROADWAY - PLAN AND PROFILE IL ROUTE 47		
PLOT SCALE = 1"=20'			DATE = 5/19/2023			SCALE: 1"=20'			SHEET 9 OF 21 SHEETS		
PLOT DATE = 5/18/2023						STA. 157+00 TO STA. 163+00			F.A.P. RTE. 326		
									SECTION (108)R&W & (108)HB&BRJBR,BY		
									COUNTY KENDALL		
									TOTAL SHEETS 789		
									SHEET NO. 54		
									CONTRACT NO. 66989		
									ILLINOIS FED. AID PROJECT		



PROPOSED ROADWAY LEGEND

- IL ROUTE 47**

  - 1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)
  - 2 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)
  - 3 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)
  - 4 FIELD ENTRANCE
- 5 PCC DRIVEWAY PAVEMENT, 6" (42300200)
  - 6 COMMERCIAL ENTRANCE
  - 7 SHARED-USE PATH
- AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

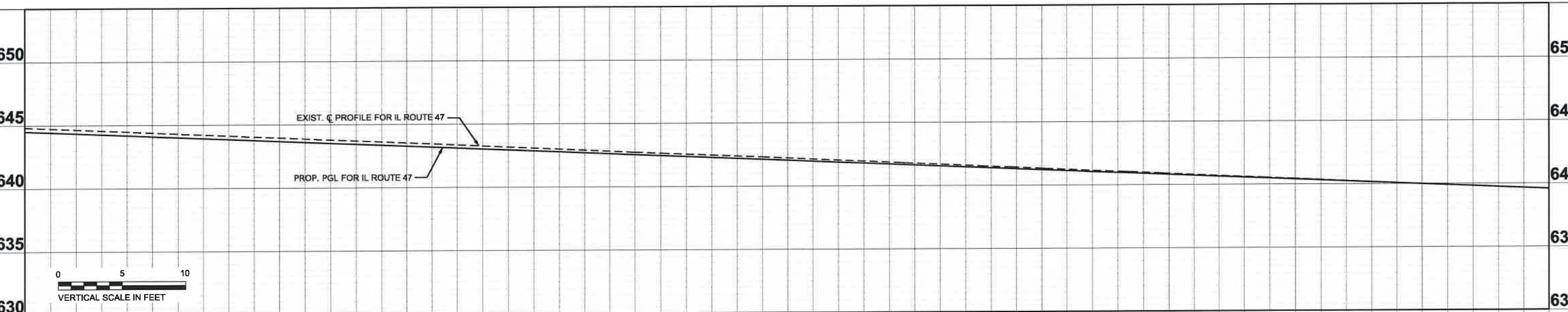
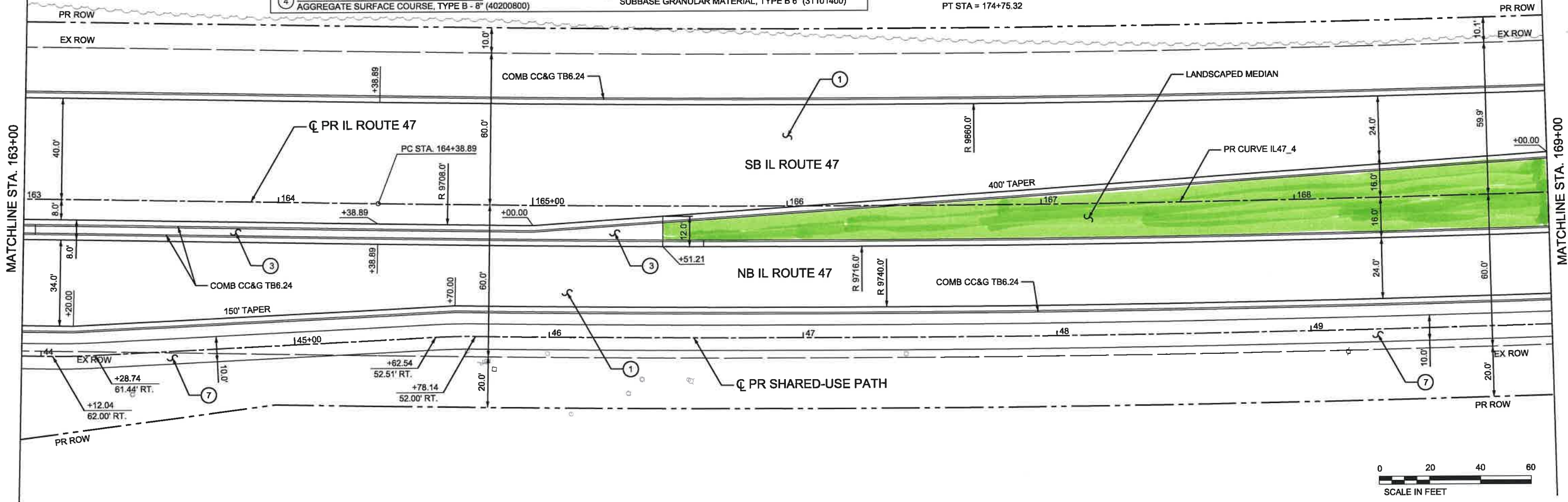
AGGREGATE BASE COURSE, TYPE A 4" (35100300)

AGGREGATE BASE COURSE, TYPE A 4" (35100300)

HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)

SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)

PR CURVE IL47\_4  
PI STA = 169+57.60  
Δ = 06°07'19" (LT)  
D = 00°35'26"  
R = 9,700.00'  
T = 518.71'  
L = 1,036.43'  
E = 13.86'  
PC STA = 164+38.89  
PT STA = 174+75.32



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3001 (P) / 312-372-5974 (F)

USER NAME = Personal	DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -	
CHECKED - SA	REVISED -	
DATE - 5/19/2023	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY - PLAN AND PROFILE IL ROUTE 47			
SCALE: 1"=20'	SHEET 10 OF 21 SHEETS	STA. 163+00 TO STA. 169+00	

F.A.P. RTE. 326	SECTION (108)R&W & (108)HB&BR(BR,BY	COUNTY KENDALL	TOTAL SHEETS 769	SHEET NO. 55
CONTRACT NO. 66989				
ILLINOIS FED. AID PROJECT				



PROPOSED ROADWAY LEGEND

- IL ROUTE 47

  - 1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)
  - 2 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)
  - 3 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)
  - 4 FIELD ENTRANCE
- 5 PRIVATE ENTRANCE
  - 6 COMMERCIAL ENTRANCE
  - 7 SHARED-USE PATH
- AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)

AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800)

PCC DRIVEWAY PAVEMENT, 6" (42300200)

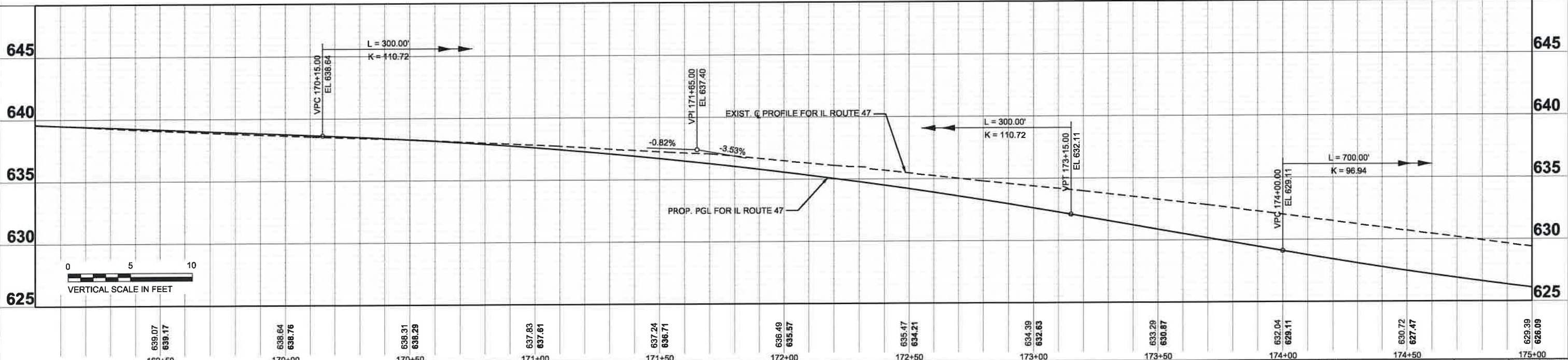
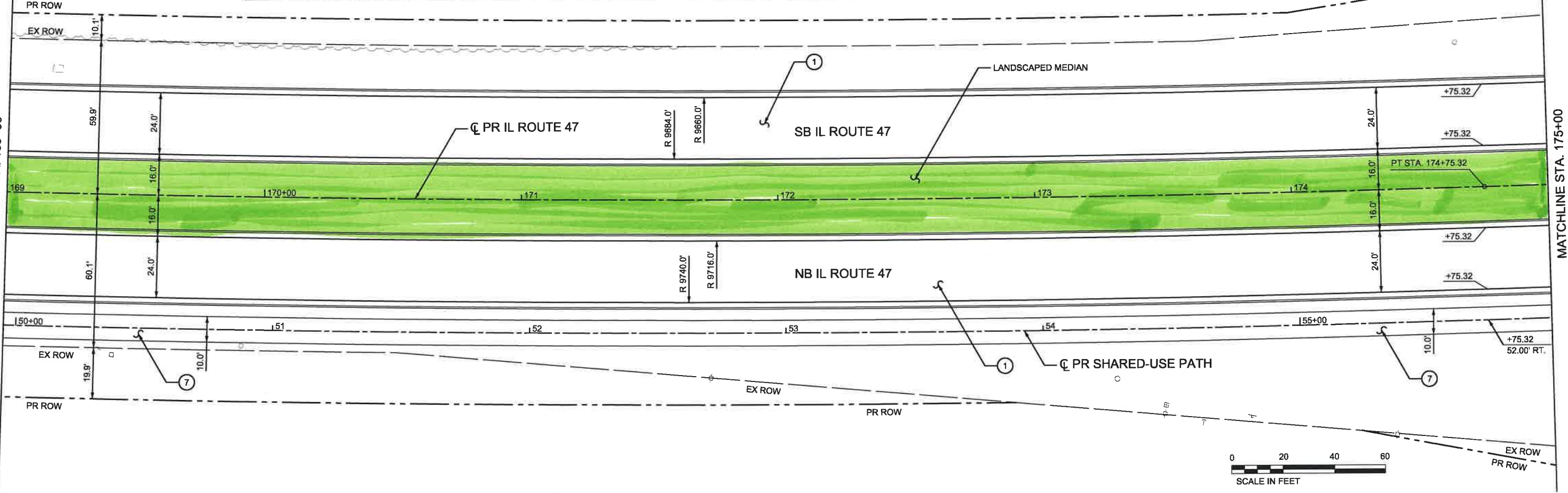
PCC DRIVEWAY PAVEMENT, 8" (42300400)

HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)

SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)

MATCHLINE STA. 169+00

MATCHLINE STA. 175+00



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME = Personal	DESIGNED - JN	REVISED -
PLOT SCALE = 1"=20'	DRAWN - JN	REVISED -
PLOT DATE = 5/18/2023	CHECKED - SA	REVISED -
	DATE - 5/19/2023	REVISED -

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

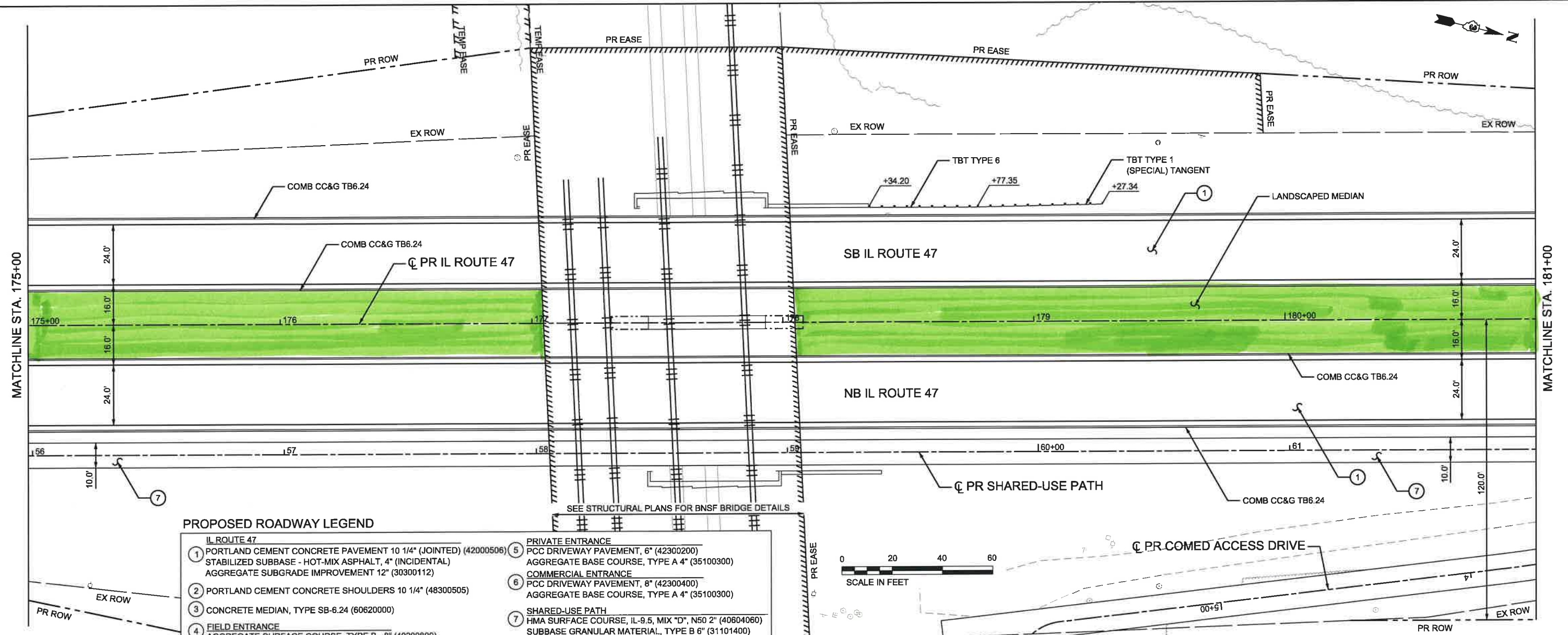
**ROADWAY - PLAN AND PROFILE**  
**IL ROUTE 47**

SCALE: 1"=20'    SHEET 11 OF 21 SHEETS    STA. 169+00 TO STA. 175+00

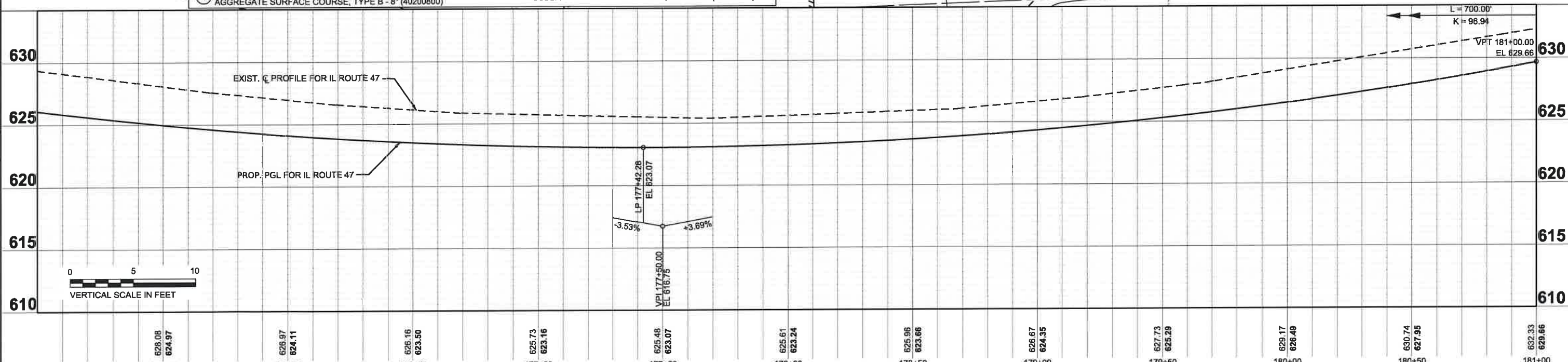
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108)R&W & (108)HB&BR BR,BY	KENDALL	789	56
CONTRACT NO. 66989				
ILLINOIS FED. AID PROJECT				



MODEL: PR C147 - Plan 12 [Sheet]  
FILE NAME: pr\lochner-gw-bentley.com\lochner-gw-01\Documents\Projects\060016493\03 CAD\001 Sheets\Roadway\03x-Sht-1-HW-48R-fig-IL47.dgn



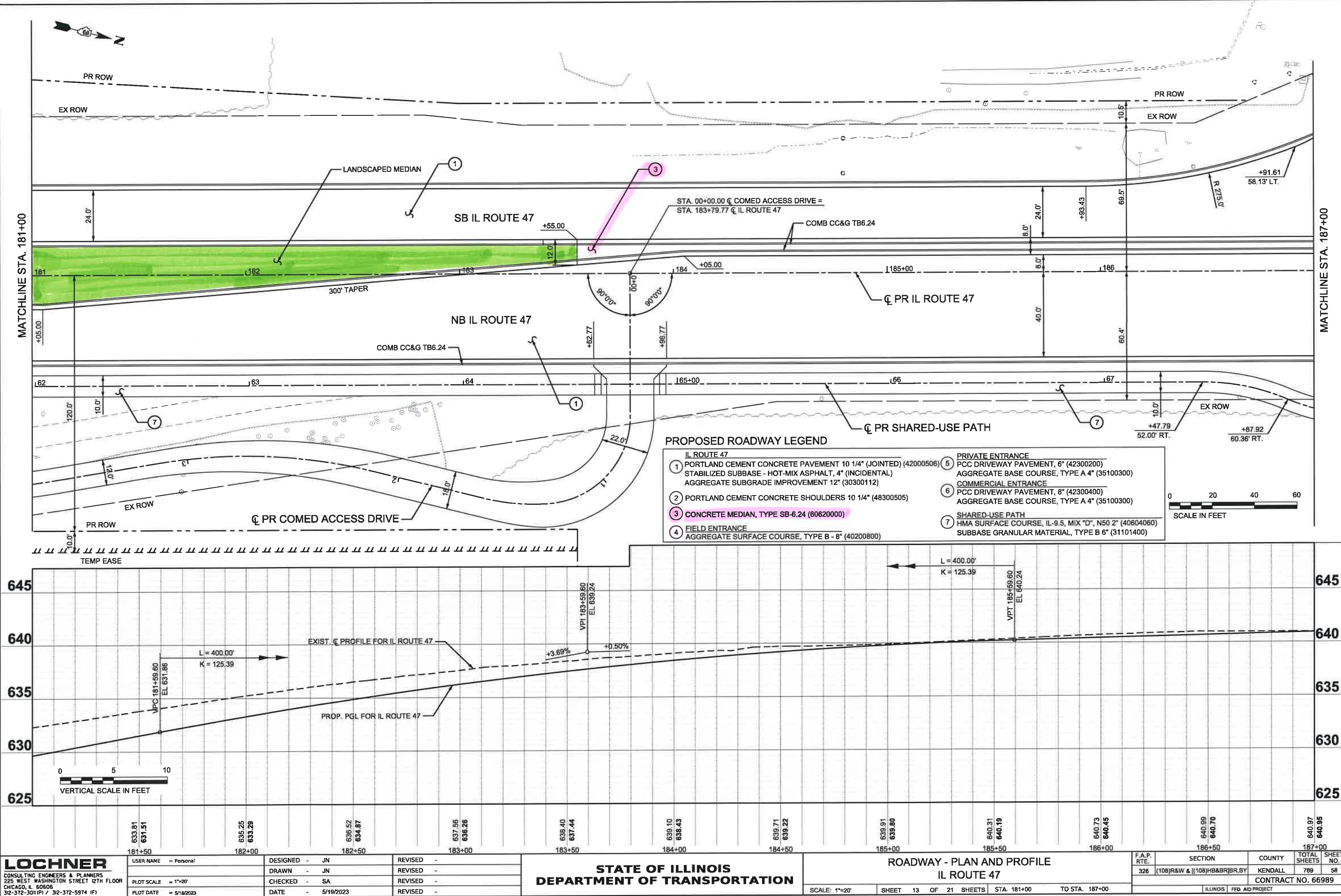
PROPOSED ROADWAY LEGEND	
IL ROUTE 47	
1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)	5 PRIVATE ENTRANCE
2 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL)	6 PCC DRIVEWAY PAVEMENT, 6" (42300200)
3 AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)	7 AGGREGATE BASE COURSE, TYPE A 4" (35100300)
4 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)	8 COMMERCIAL ENTRANCE
5 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)	9 PCC DRIVEWAY PAVEMENT, 8" (42300400)
6 FIELD ENTRANCE	10 AGGREGATE BASE COURSE, TYPE A 4" (35100300)
7 AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800)	11 SHARED-USE PATH
	12 HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)
	13 SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)



<b>LOCHNER</b> CONSULTING ENGINEERS & PLANNERS 225 WEST WASHINGTON STREET 12TH FLOOR CHICAGO, IL 60606 312-372-3011 (P) / 312-372-5974 (F)	USER NAME = Personal	DESIGNED - JN	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY - PLAN AND PROFILE</b> <b>IL ROUTE 47</b>		F.A.P. RTE. 326		SECTION (108)R&W & (108)HB&BRJBR.BY	COUNTY KENDALL	TOTAL SHEETS 789	SHEET NO. 57
	PLOT SCALE = 1"=20'	CHECKED - SA	REVIS				CONTRACT NO. 66989					
	PLOT DATE = 5/18/2023	DATE - 5/19/2023	REVISED -				ILLINOIS FED. AID PROJECT					
	SCALE: 1"=20'						SHEET 12 OF 21 SHEETS	STA. 175+00 TO STA. 181+00				



MODEL: PR C IL 47 - Plan 12 (Sheet)  
FILE NAME: pr\ilcne-gw-bentley.com\lochner-pr\01\Documents\Projects\000014491\03 CAD\001\_Sheets\Roadway\03x-SHT-14WL-RDPR-IL47.dgn



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME = Personal	DESIGNED - JN	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 1"=20'	CHECKED - SA	REVISED -
PLOT DATE = 5/18/2023	DATE - 5/19/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY - PLAN AND PROFILE  
IL ROUTE 47**

SCALE: 1"=20'    SHEET 13 OF 21 SHEETS    STA. 181+00 TO STA. 187+00

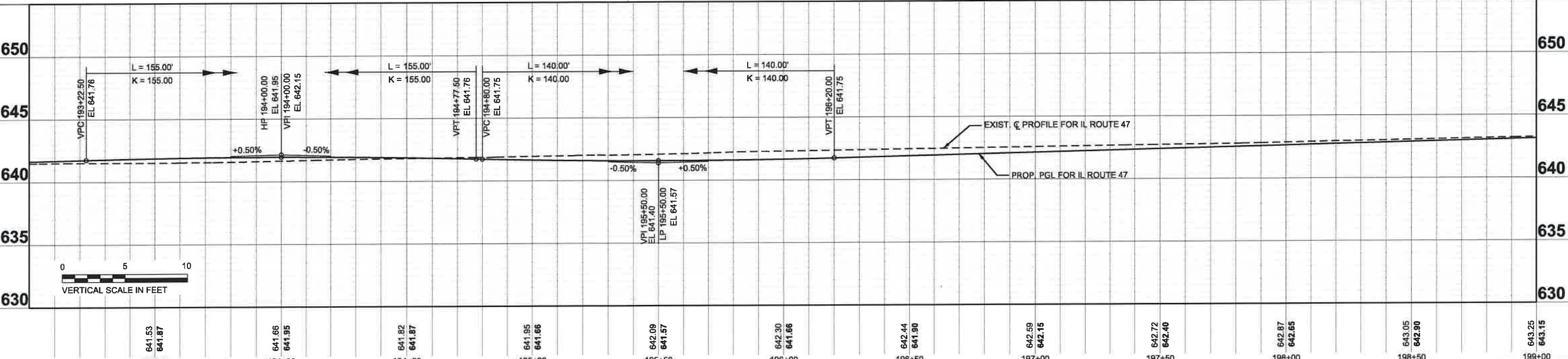
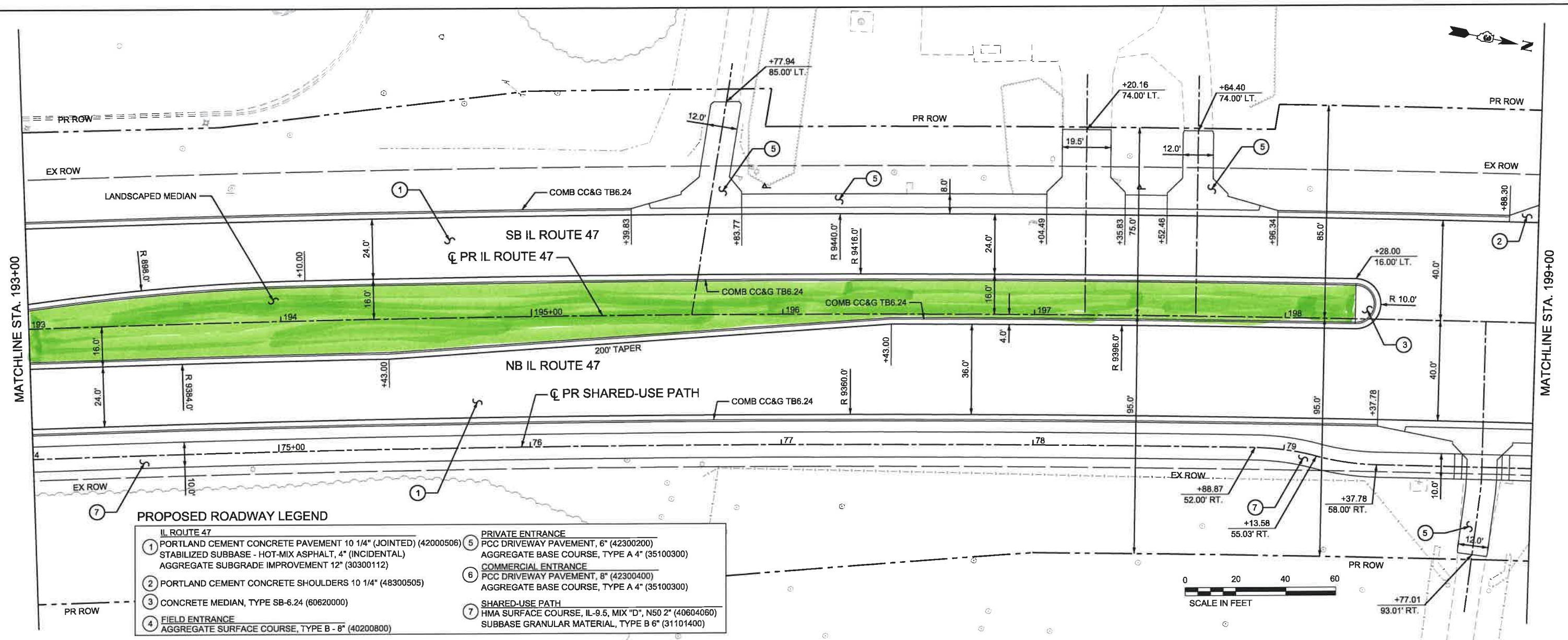
F.A.P. RTE. 326	SECTION (108)R&W & [(108)HB&BR]BR.BY	COUNTY KENDALL	TOTAL SHEETS 789	SHEET NO. 58
CONTRACT NO. 66989				
ILLINOIS FED. AID PROJECT				





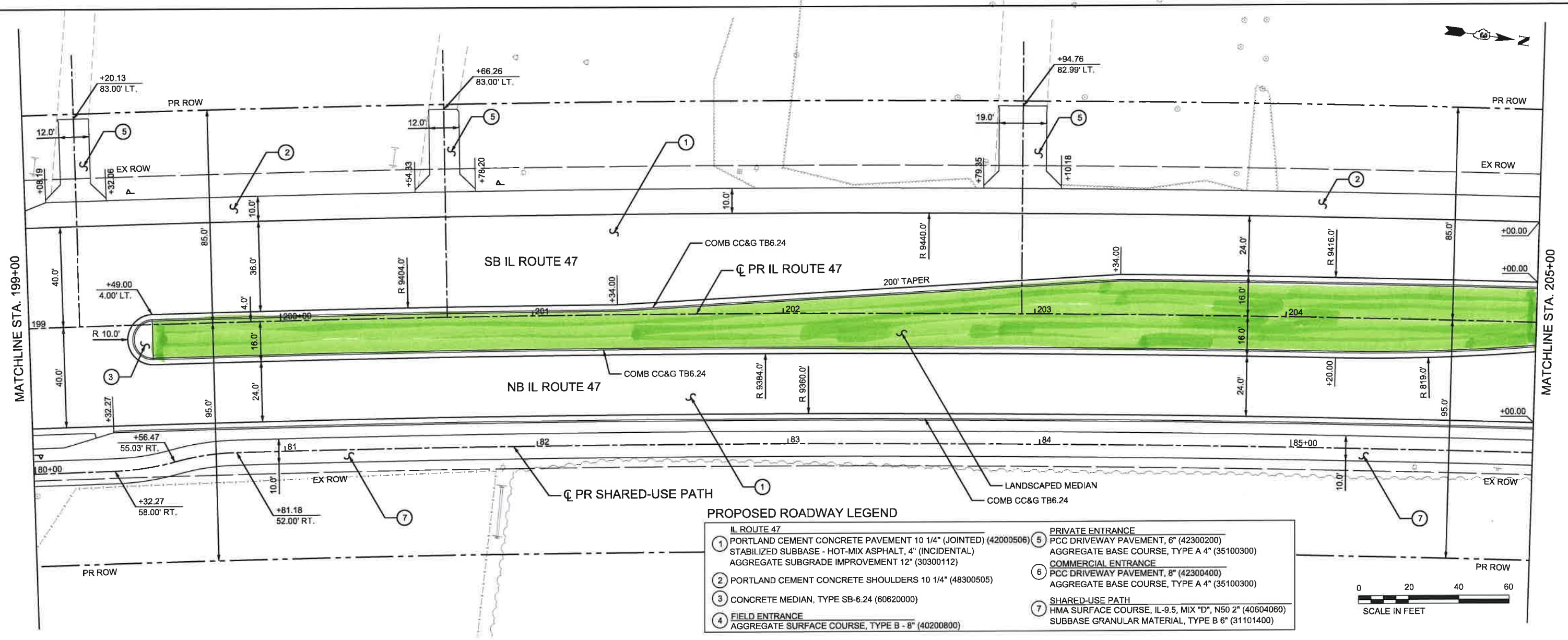


MODEL: P1 C (IL 47 - Plan 15 (Sheet))  
FILE NAME: p:\il\ilcne-pw-31\Documents\Projects\00016491\03 CAD\01 Sheets\Roadway\03K SHI-HWL-R0Y-P&L-IL 47.dgn



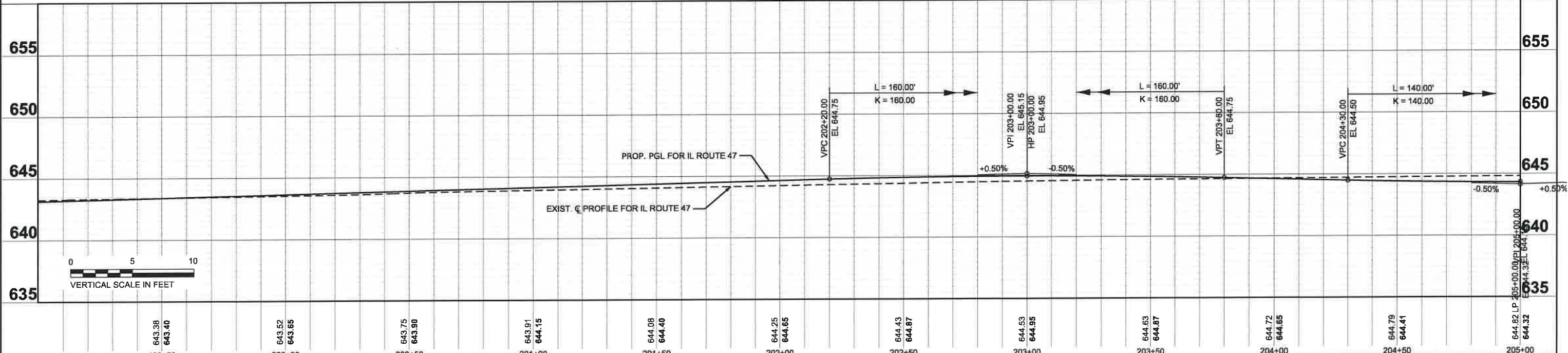


MODEL: PR C IL47 - Plan 16 (Sheet)  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3001 (P) / 312-372-5974 (F)  
FILE NAME: pw:\lochner-gw\benley.com\lochner-gw-01\Documents\Projects\20001649103 CAD\001\_Sheets\roadway\03K-SHT-HWL-40Y-P&F-IL47.dgn



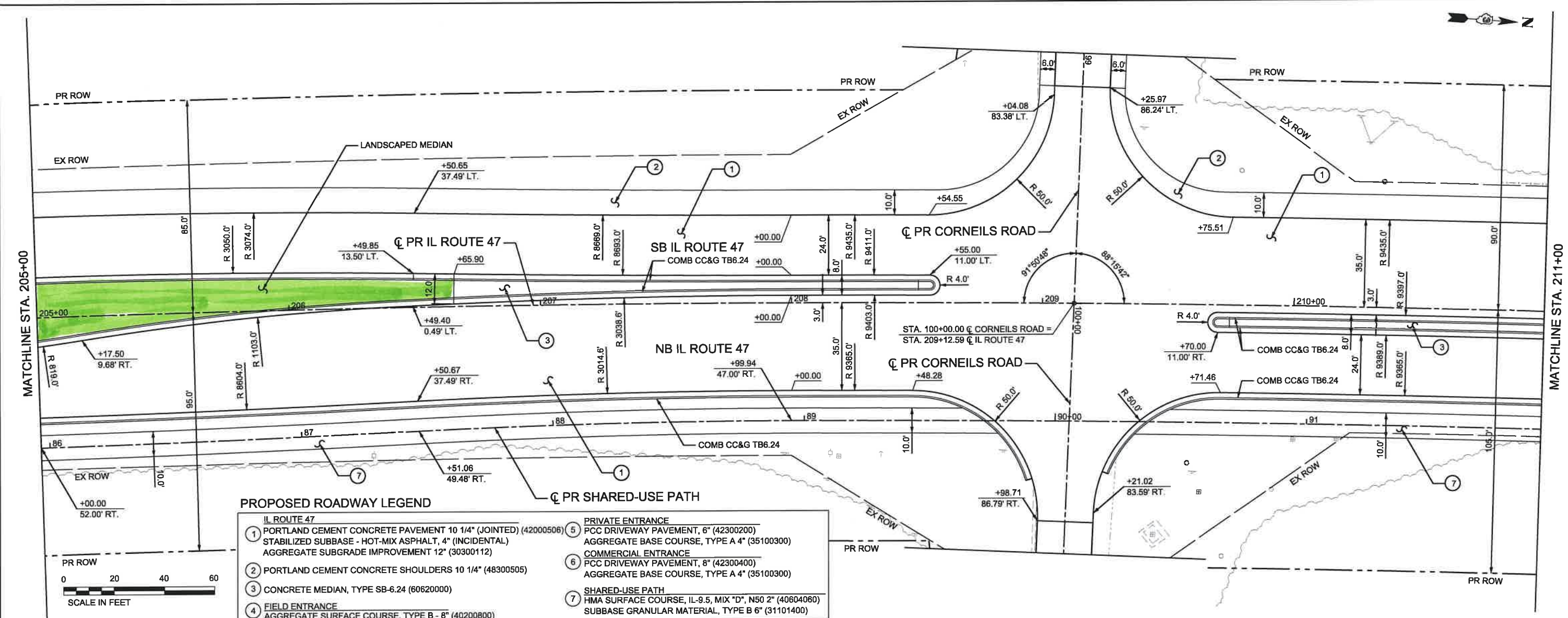
**PROPOSED ROADWAY LEGEND**

1	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)	5	PRIVATE ENTRANCE PCC DRIVEWAY PAVEMENT, 6" (42300200)
2	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)	6	COMMERCIAL ENTRANCE PCC DRIVEWAY PAVEMENT, 8" (42300400)
3	CONCRETE MEDIAN, TYPE SB-6.24 (60620000)	7	SHARED-USE PATH HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)
4	FIELD ENTRANCE AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800)		

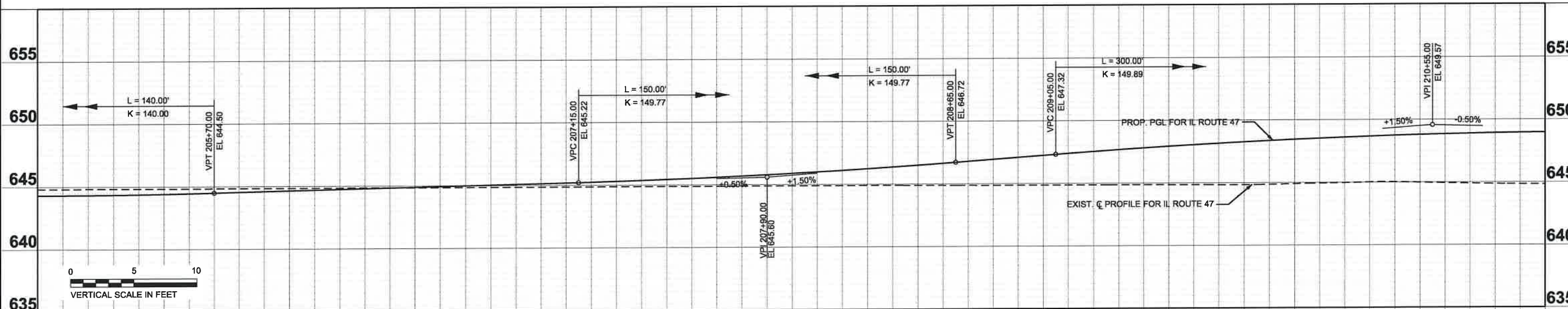


<div>LOCHNER</div> <div>CONSULTING ENGINEERS &amp; PLANNERS 225 WEST WASHINGTON STREET 12TH FLOOR CHICAGO, IL 60606 312-372-3001 (P) / 312-372-5974 (F)</div>	199+50		200+00		200+50		201+00		201+50		202+00		202+50		203+00		203+50		204+00		204+50		205+00		205+50		206+00		206+50		207+00		207+50		208+00		208+50		209+00		209+50		210+00		210+50		211+00		211+50		212+00		212+50		213+00		213+50		214+00		214+50		215+00		215+50		216+00		216+50		217+00		217+50		218+00		218+50		219+00		219+50		220+00		220+50		221+00		221+50		222+00		222+50		223+00		223+50		224+00		224+50		225+00		225+50		226+00		226+50		227+00		227+50		228+00		228+50		229+00		229+50		230+00		230+50		231+00		231+50		232+00		232+50		233+00		233+50		234+00		234+50		235+00		235+50		236+00		236+50		237+00		237+50		238+00		238+50		239+00		239+50		240+00		240+50		241+00		241+50		242+00		242+50		243+00		243+50		244+00		244+50		245+00		245+50		246+00		246+50		247+00		247+50		248+00		248+50		249+00		249+50		250+00		250+50		251+00		251+50		252+00		252+50		253+00		253+50		254+00		254+50		255+00		255+50		256+00		256+50		257+00		257+50		258+00		258+50		259+00		259+50		260+00		260+50		261+00		261+50		262+00		262+50		263+00		263+50		264+00		264+50		265+00		265+50		266+00		266+50		267+00		267+50		268+00		268+50		269+00		269+50		270+00		270+50		271+00		271+50		272+00		272+50		273+00		273+50		274+00		274+50		275+00		275+50		276+00		276+50		277+00		277+50		278+00		278+50		279+00		279+50		280+00		280+50		281+00		281+50		282+00		282+50		283+00		283+50		284+00		284+50		285+00		285+50		286+00		286+50		287+00		287+50		288+00		288+50		289+00		289+50		290+00		290+50		291+00		291+50		292+00		292+50		293+00		293+50		294+00		294+50		295+00		295+50		296+00		296+50		297+00		297+50		298+00		298+50		299+00		299+50		300+00		300+50		301+00		301+50		302+00		302+50		303+00		303+50		304+00		304+50		305+00		305+50		306+00		306+50		307+00		307+50		308+00		308+50		309+00		309+50		310+00		310+50		311+00		311+50		312+00		312+50		313+00		313+50		314+00		314+50		315+00		315+50		316+00		316+50		317+00		317+50		318+00		318+50		319+00		319+50		320+00		320+50		321+00		321+50		322+00		322+50		323+00		323+50		324+00		324+50		325+00		325+50		326+00		326+50		327+00		327+50		328+00		328+50		329+00		329+50		330+00		330+50		331+00		331+50		332+00		332+50		333+00		333+50		334+00		334+50		335+00		335+50		336+00		336+50		337+00		337+50		338+00		338+50		339+00		339+50		340+00		340+50		341+00		341+50		342+00		342+50		343+00		343+50		344+00		344+50		345+00		345+50		346+00		346+50		347+00		347+50		348+00		348+50		349+00		349+50		350+00		350+50		351+00		351+50		352+00		352+50		353+00		353+50		354+00		354+50		355+00		355+50		356+00		356+50		357+00		357+50		358+00		358+50		359+00		359+50		360+00		360+50		361+00		361+50		362+00		362+50		363+00		363+50		364+00		364+50		365+00		365+50		366+00		366+50		367+00		367+50		368+00		368+50		369+00		369+50		370+00		370+50		371+00		371+50		372+00		372+50		373+00		373+50		374+00		374+50		375+00		375+50		376+00		376+50		377+00		377+50		378+00		378+50		379+00		379+50		380+00		380+50		381+00		381+50		382+00		382+50		383+00		383+50		384+00		384+50		385+00		385+50		386+00		386+50		387+00		387+50		388+00		388+50		389+00		389+50		390+00		390+50		391+00		391+50		392+00		392+50		393+00		393+50		394+00		394+50		395+00		395+50		396+00		396+50		397+00		397+50		398+00		398+50		399+00		399+50		400+00		400+50		401+00		401+50		402+00		402+50		403+00		403+50		404+00		404+50		405+00		405+50		406+00		406+50		407+00		407+50		408+00		408+50		409+00		409+50		410+00		410+50		411+00		411+50		412+00		412+50		413+00		413+50		414+00		414+50		415+00		415+50		416+00		416+50		417+00		417+50		418+00		418+50		419+00		419+50		420+00		420+50		421+00		421+50		422+00		422+50		423+00		423+50		424+00		424+50		425+00		425+50		426+00		426+50		427+00		427+50		428+00		428+50		429+00		429+50		430+00		430+50		431+00		431+50		432+00		432+50		433+00		433+50		434+00		434+50		435+00		435+50		436+00		436+50		437+00		437+50		438+00		438+50		439+00		439+50		440+00		440+50		441+00		441+50		442+00		442+50		443+00		443+50		444+00		444+50		445+00		445+50		446+00		446+50		447+00		447+50		448+00		448+50		449+00		449+50		450+00		450+50		451+00		451+50		452+00		452+50		453+00		453+50		454+00		454+50		455+00		455+50		456+00		456+50		457+00		457+50		458+00		458+50		459+00		459+50		460+00		460+50		461+00		461+50		462+00		462+50		463+00		463+50		464+00		464+50		465+00		465+50		466+00		466+50		467+00		467+50		468+00		468+50		469+00		469+50		470+00		470+50		471+00		471+50		472+00		472+50		473+00		473+50		474+00		474+50		475+00		475+50		476+00		476+50		477+00		477+50		478+00		478+50		479+00		479+50		480+00		480+50		481+00		481+50		482+00		482+50		483+00		483+50		484+00		484+50		485+00		485+50		486+00		486+50		487+00		487+50		488+00		488+50		489+00		489+50		490+00		490+50		491+00		491+50		492+00		492+50		493+00		493+50		494+00		494+50		495+00		495+50		496+00		496+50		497+00		497+50		498+00		498+50		499+00		499+50		500+00		500+50		501+00		501+50		502+00		502+50		503+00		503+50		504+00		504+50		505+00		505+50		506+00		506+50		507+00		507+50		508+00		508+50		509+00		509+50		510+00		510+50		511+00		511+50		512+00		512+50		513+00		513+50		514+00		514+50		515+00		515+50		516+00		516+50		517+00		517+50		518+00		518+50		519+00		519+50		520+00		520+50		521+00		521+50		522+00		522+50		523+00		523+50		524+00		524+50		525+00		525+50		526+00		526+50		527+00		527+50		528+00		528+50		529+00		529+50		530+00		530+50		531+00		531+50		532+00		532+50		533+00		533+50		534+00		534+50		535+00		535+50		536+00		536+50		537+00		537+50		538+00		538+50		539+00		539+50		540+00		540+50		541+00		541+50		542+00		542+50		543+00		543+50		544+00		544+50		545+00		545+50		546+00		546+50		547+00		547+50		548+00		548+50		549+00		549+50		550+00		550+50		551+00		551+50		552+00		552+50		553+00		553+50		554+00		554+50		555+00		555+50		556+00		556+50		557+00		557+50		558+00		558+50		559+00		559+50		560+00		560+50		561+00		561+50		562+00		562+50		563+00		563+50		564+00		564+50		565+00		565+50		566+00		566+50		567+00		567+50		568+00		568+50		569+00		569+50		570+00		570+50		571+00		571+50		572+00		572+50		573+00		573+50		574+00		574+50		575+00		575+50		576+00		576+50		577+00		577+50		578+00		578+50		579+00		579+50		580+00		580+50		581+00		581+50		582+00		582+50		583+00		583+50		584+00		584+50		585+00		585+50		586+00		586+50		587+00		587+50		588+00		588+50		589+00		589+50		590+00		590+50		591+00		591+50		592+00		592+50		593+00		593+50		594+00		594+50		595+00		595+50		596+00		596+50		597+00		597+50		598+00		598+50		599+00		599+50		600+00		600+50		601+00		601+50		602+00		602+50		603+00		603+50		604+00		604+50		605+00		605+50		606+00		606+50		607+00		607+50		608+00		608+50		609+00		609+50		610+00		610+50		611+00		611+50		612+00		612+50		613+00		613+50		614+00		614+50		615+00		615+50		616+00		616+50		617+00		617+50		618+00		618+50		619+00		619+50		620+00		620+50		621+00		621+50		622+00		622+50		623+00		623+50		624+00		624+50		625+00		625+50		626+00		626+50		627+00		627+50		628+00		628+50		629+00		629+50		630+00		630+50		631+00		631+50		632+00		632+50		633+00		633+50		634+00		634+50		635+00		635+50		636+00		636+50		637+00		637+50		638+0	
---	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	--------	--	-------	--





PROPOSED ROADWAY LEGEND			
IL ROUTE 47			
1	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)	5	PRIVATE ENTRANCE
2	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (INCIDENTAL) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)	6	PCC DRIVEWAY PAVEMENT, 6" (42300200)
3	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (48300505)	7	COMMERCIAL ENTRANCE
4	CONCRETE MEDIAN, TYPE SB-6.24 (60620000)		PCC DRIVEWAY PAVEMENT, 8" (42300400)
5	FIELD ENTRANCE		AGGREGATE BASE COURSE, TYPE A 4" (35100300)
6	AGGREGATE SURFACE COURSE, TYPE B - 8" (40200800)		SHARED-USE PATH
			HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)
			SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)



**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME = Personal

DRAWN - JN

CHECKED - SA

DATE - 5/19/2023

DESIGNED - JN

REVIS -

REVIS -

REVIS -

REVIS -

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

ROADWAY - PLAN AND PROFILE

IL ROUTE 47

SCALE: 1"=20'

SHEET 17 OF 21 SHEETS

STA. 205+00 TO STA. 211+00

F.A.P. RTE. 326	SECTION (108)R&W & (108)HB&BR(BR,BY	COUNTY KENDALL	TOTAL SHEETS 789	SHEET NO. 62
CONTRACT NO. 66989				

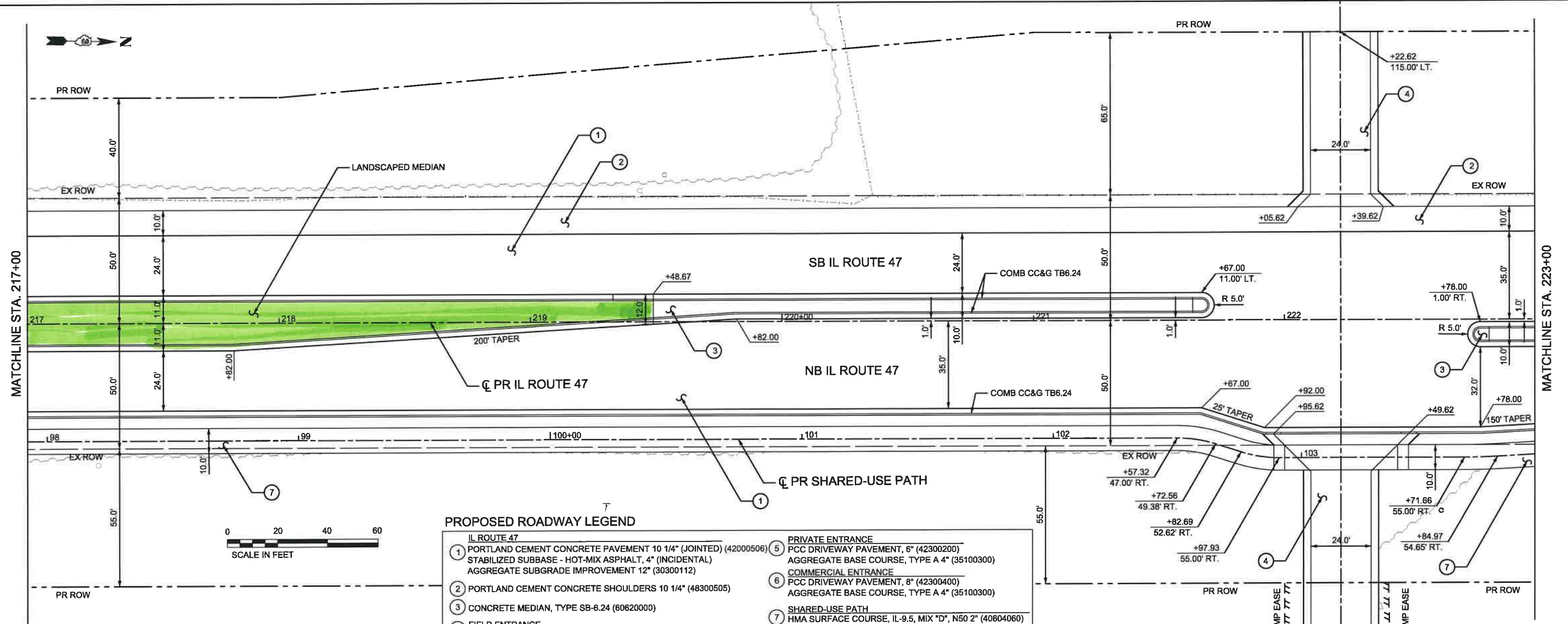
ILLINOIS FED. AID PROJECT



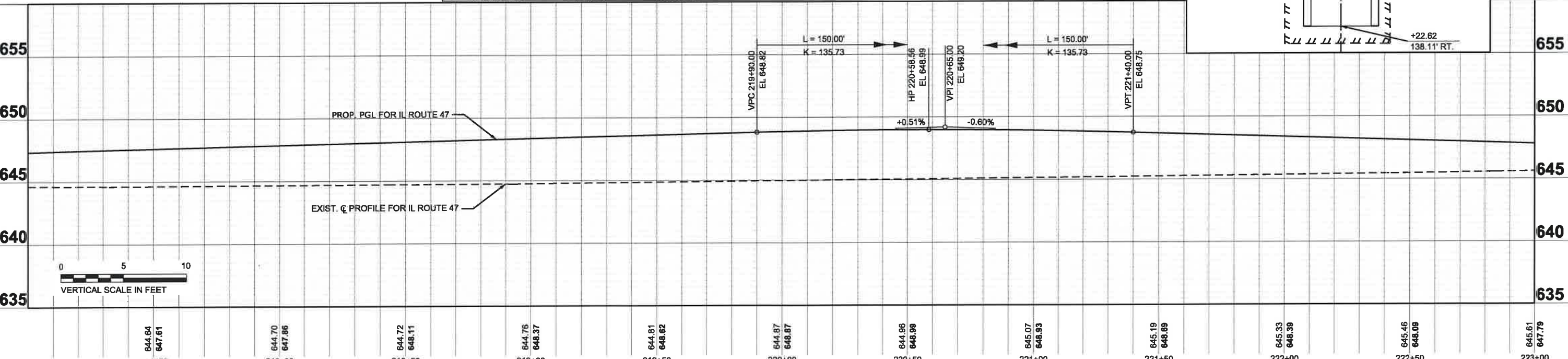




MODEL: PR C 147 - Plan 19 (Sheet)  
FILE NAME: pr\lochner-pw\dwg\project\0001\4491\03\_CADD\01\_Sheets\Railway\03X-SHT-HW-RD-PR-IL-47.dgn



PROPOSED ROADWAY LEGEND	
IL ROUTE 47	
1 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) (42000506)	5 PRIVATE ENTRANCE
2 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" (46300505)	6 COMMERCIAL ENTRANCE
3 CONCRETE MEDIAN, TYPE SB-6.24 (60620000)	7 SHARED-USE PATH
4 FIELD ENTRANCE	
AGGREGATE SURFACE COURSE, TYPE B - 6" (40200800)	
	PCC DRIVEWAY PAVEMENT, 6" (42300200)
	AGGREGATE BASE COURSE, TYPE A 4" (35100300)
	PCC DRIVEWAY PAVEMENT, 8" (42300400)
	AGGREGATE BASE COURSE, TYPE A 4" (35100300)
	HMA SURFACE COURSE, IL-9.5, MIX "D", N50 2" (40604060)
	SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)







SUBSURFACE UTILITY ENGINEERING(SUE)  
UTILIZED ON THIS PROJECT

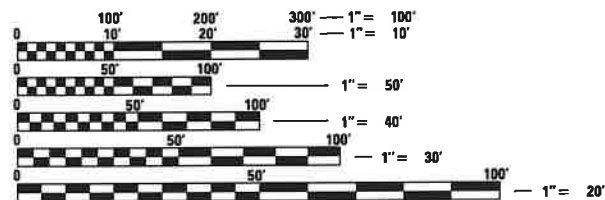
## INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, HIGHWAY STANDARDS AND COMMITMENTS
3 - 30	SUMMARY OF QUANTITIES
31 - 55	TYPICAL SECTIONS
56	PGL AND CROWN TRANSITION DETAILS
57 - 63	SCHEDULE OF QUANTITIES
64 - 71	ALIGNMENT, TIES, AND BENCHMARKS
72 - 88	REMOVAL PLANS
89 - 123	PLAN AND PROFILES
124 - 233	MAINTENANCE OF TRAFFIC
234 - 252	EROSION CONTROL PLANS AND DETAILS
253 - 287	DRAINAGE AND UTILITY PLANS
288 - 289	DRAINAGE SCHEDULES
290	RIGHT-OF-WAY PLANS
291	WATERMAIN RELOCATION PLANS
292 - 300	INTERSECTION PAVEMENT ELEVATION PLANS
301 - 322	PAVEMENT MARKING AND SIGNING PLANS AND DETAILS
323 - 350	TRAFFIC SIGNAL PLANS
351 - 352	LIGHTING PLANS
353 - 361	STRUCTURAL PLANS AND DETAILS
362 - 376	ADA RAMP DETAILS
377 - 386	MISCELLANEOUS DETAILS

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

## TRAFFIC DATA

FUNCTIONAL CLASSIFICATION  
OTHER PRINCIPAL ARTERIAL  
9,256 ADT (2025)  
P.V.=83% S.U.=5% M.U.=12%



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

DISTRICT 3 NO. (815) 434-6131  
PROJECT ENGINEER: JOSEPH KANNEL, P.E.  
UNIT CHIEF: DARCY MITCHELL

CONTRACT NO. 66825

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

## PROPOSED HIGHWAY PLANS

FAP ROUTE 326 (IL ROUTE 47)

SECTION (109, 110) R

PROJECT: GIGU(286)

ROADWAY CONSTRUCTION /RECONSTRUCTION

KENDALL COUNTY

RECONSTRUCT EXISTING TWO LANE PAVEMENT  
TO PROVIDE TWO LANES IN EACH DIRECTION.  
WORK INCLUDES EARTHWORK, STORM SEWER, PAVEMENT,  
TRAFFIC SIGNALS, LIGHTING, PAVEMENT MARKERS, SIGNS,  
WATERMAIN, AND SANITARY SEWER RELOCATES

END IMPROVEMENTS  
IL ROUTE 47  
STA 6862 + 98.47

DOUBLE 12'X7'  
BOX CULVERT  
SN 047-2054  
STA. 6702 + 50

BEGIN IMPROVEMENTS  
IL ROUTE 47  
STA 6614 + 57.00

DOUBLE 12'X3'  
BOX CULVERT  
SN047-2053  
STA. 6785 + 00

DOUBLE 8'X6'  
BOX CULVERT EXTENSION  
SN047-2010  
STA. 6635 + 97

ANTHONY P. SIMMONS, P.E.  
NO. 062-058414  
EXPIRES:  
HR GREEN, INC.

LOCATION MAP  
(NOT TO SCALE)  
PROJECT GROSS AND NET LENGTHS: 24,082.47 FT. = 4.561 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	1
		ILLINOIS	CONTRACT NO. 66825	

P-93-039-08  
D-93-015-10



LOCATION OF SECTION INDICATED THUS: -



2363 SEQUOIA DRIVE, SUITE 101 | AURORA, ILLINOIS 60506  
Phone: 630.553.7560 | Toll Free: 800.728.7805 | Fax: 630.553.7646 | HRGreen.com  
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED \_\_\_\_\_ 20 \_\_\_\_\_  
\_\_\_\_\_  
REGIONAL ENGINEER  
\_\_\_\_\_  
20 \_\_\_\_\_  
\_\_\_\_\_  
ENGINEER OF DESIGN AND ENVIRONMENT  
\_\_\_\_\_  
20 \_\_\_\_\_  
\_\_\_\_\_  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

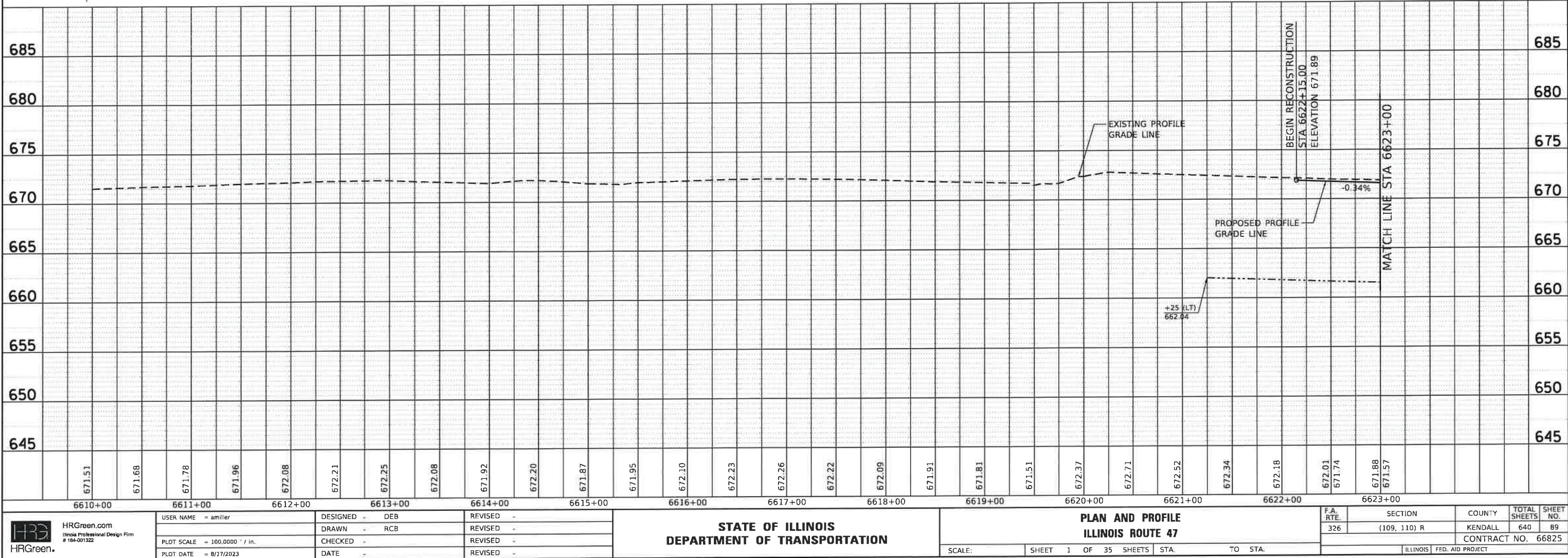
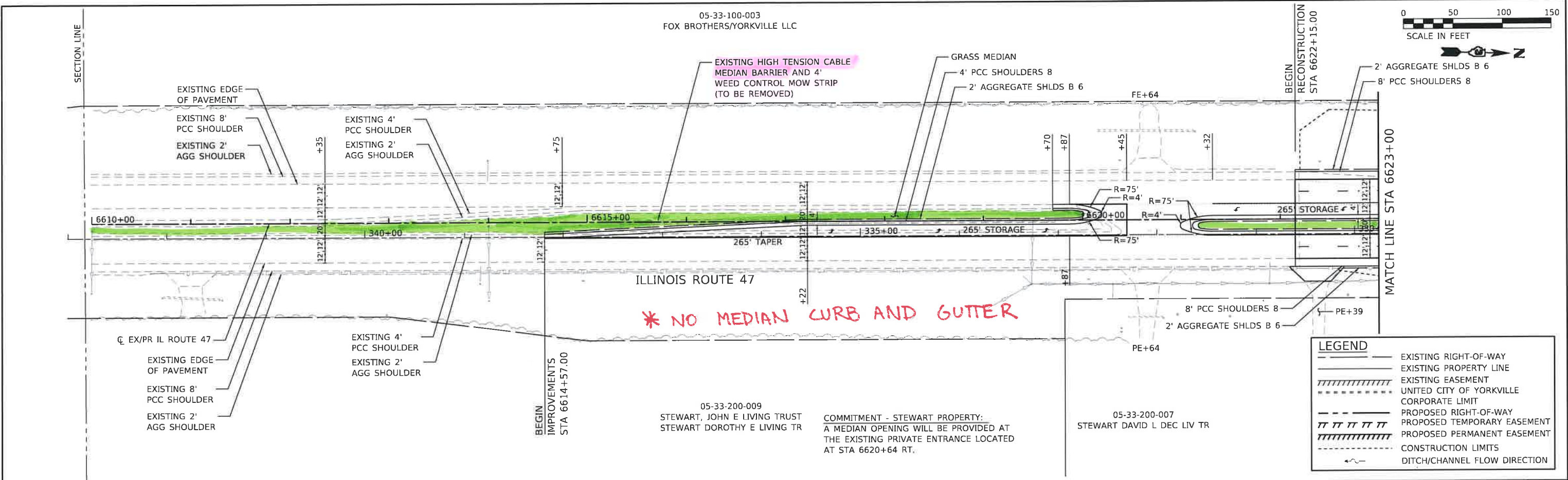
PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



PLAN	REVIEWED	DATE
NO. _____	BY _____	DATE _____
NOTE BOOK	ALIGNED CHECKED	
	PT. OF WAY CHECKED	
	ROAD FILE NAME	

PROFILE	REVIEWED	DATE
NO. _____	BY _____	DATE _____
NOTE BOOK	GRADES CHECKED	
	BLM. NOTED	
	STRUCTURE NOTATIONS CHECKED	

HRG PROJECT NO. 8900046.01  
HRG PROJ. CONTACT:  
FILE NAME: D36623-sht-plan-rf-01.dgn  
PLOT DRIVER: A.pdf\_bsp.ctb  
PEN TABLE: plottable.tbl





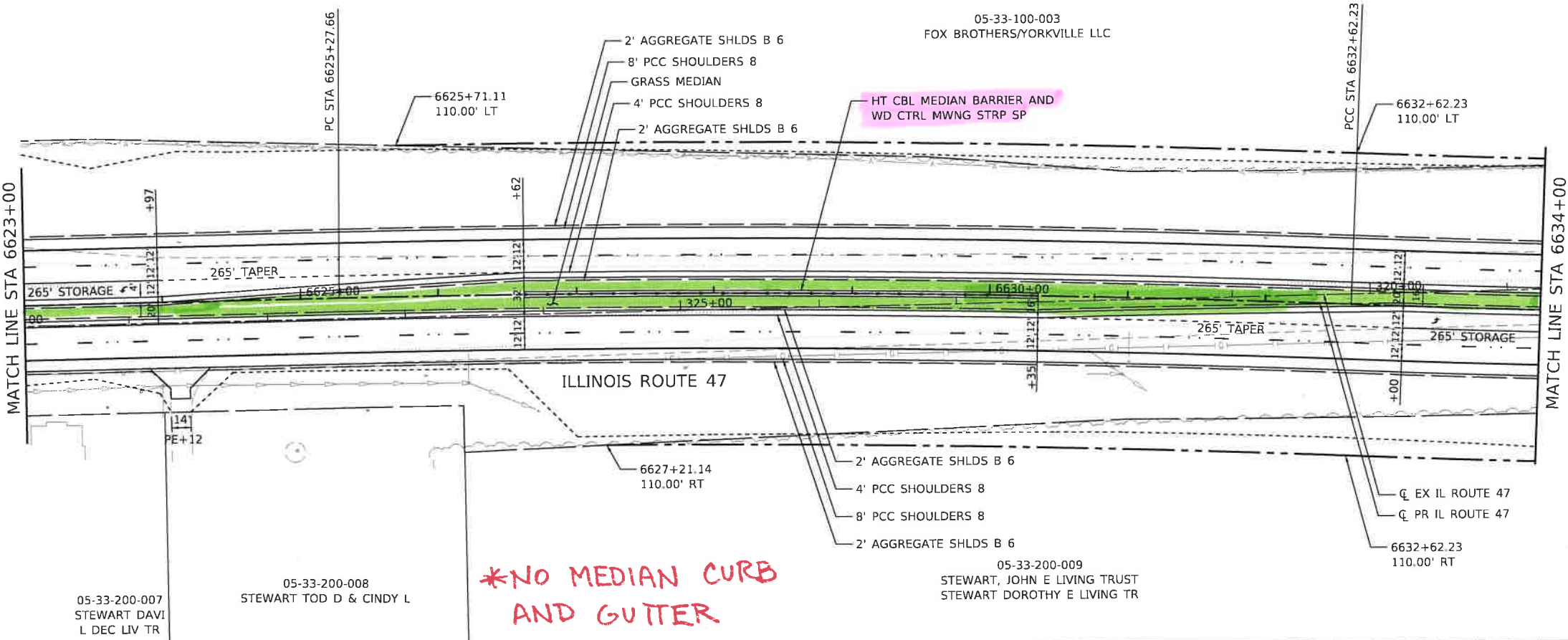
PROP. CURVE PR47-01  
PI STA. = 6628+95.06  
 $\Delta = 3^\circ 30' 26''$  (RT)  
 $D = 0^\circ 28' 39''$   
 $R = 12,000.00'$   
 $T = 367.40'$   
 $L = 734.57'$   
 $E = 5.62'$   
 $e = NC$  (emax 6%)  
 $T.R. = NA$   
 $S.E. RUN = NA$   
 $P.C. STA. = 6625+27.66$   
 $P.C.C. STA. = 6632+62.23$

05-33-100-003  
FOX BROTHERS/YORKVILLE LLC

0 50 100 150  
SCALE IN FEET

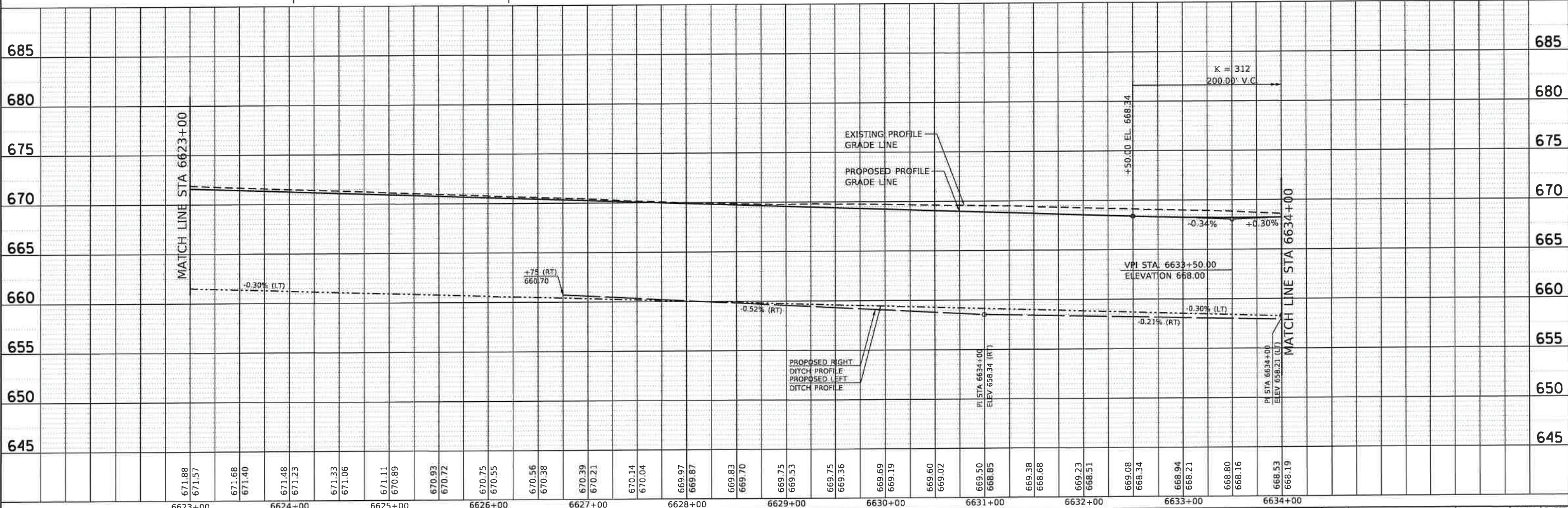


PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO.		



LEGEND	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	DITCH/CHANNEL FLOW DIRECTION

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
NO.		



HRG PROJECT NO. 8800046.01  
HRG PROJ. CONTACTS  
FILE NAME: D36623-shr-pnpr-f-02.dgn  
PLOT DRIVER: L:\pdr\dwg\pdrfig  
PEN TABLE: plottbl.tbl

HRGreen.com  
Illinois Professional Design Firm  
#104-001322

USER NAME = amiller	DESIGNED = DEB	REVISED =
	DRAWN = RCB	REVISED =
PLOT SCALE = 100.0494' / in.	CHECKED =	REVISED =
PLOT DATE = 8/17/2023	DATE =	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
ILLINOIS ROUTE 47

SCALE: SHEET 2 OF 35 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	90
CONTRACT NO. 66825				
ILLINOIS FED. AID PROJECT				

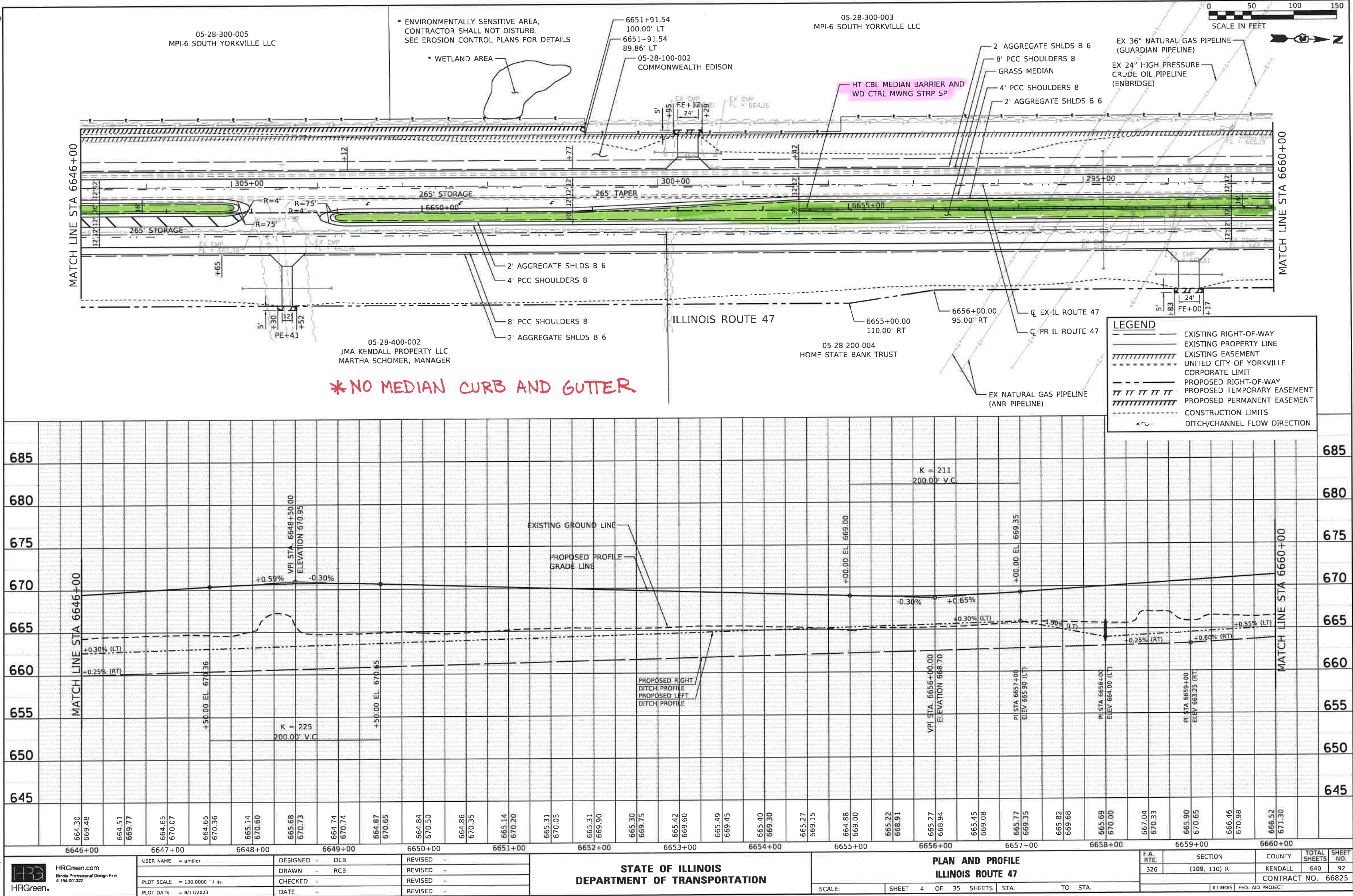
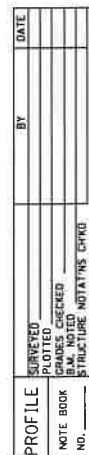




**HRGreen.**

**HRGreen.com**  
Illinois Professional Design Firm  
# 184-001322





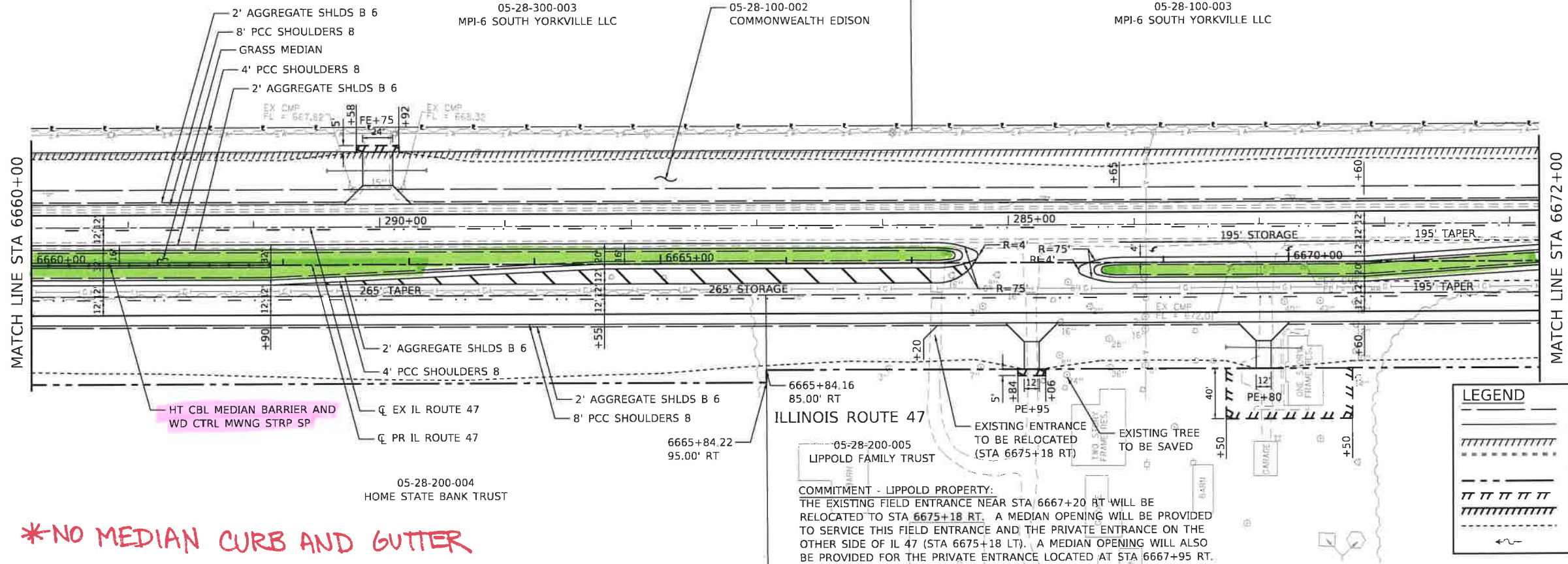


PLAN	SURVEYED	BY	DATE
NO.	FILE NAME		
NOTE BOOK	ALIGNED CHECKED		
	FILE NAME		

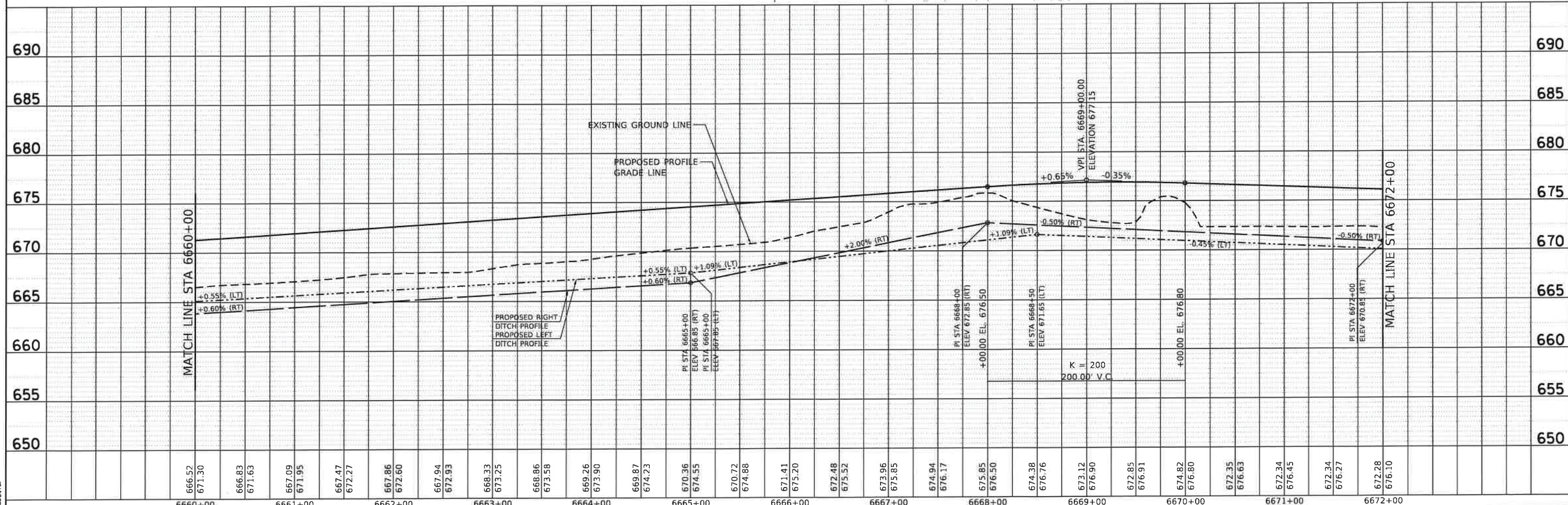
PROFILE	SURVEYED	BY	DATE
NO.	FILE NAME		
NOTE BOOK	GRADES CHECKED		
	STRUCTURE NOTATIONS CHRD		

HRG PROJECT NO. 0800046.01  
 HRG PROJ CONTACT:  
 FILE NAME: 0800046-01-000-05.dgn  
 PLOT DATE: 8/17/2023  
 PEN TABLE: pen000tbl.tbl

0 50 100 150  
 SCALE IN FEET



LEGEND	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	DITCH/CHANNEL FLOW DIRECTION

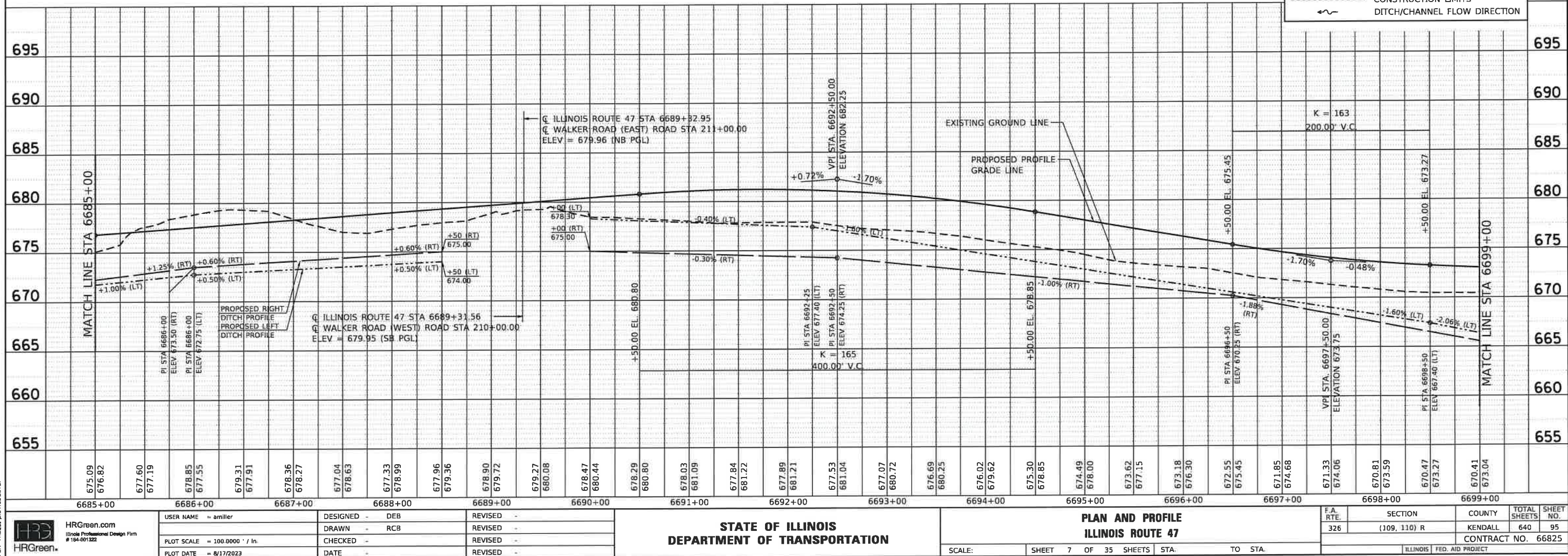
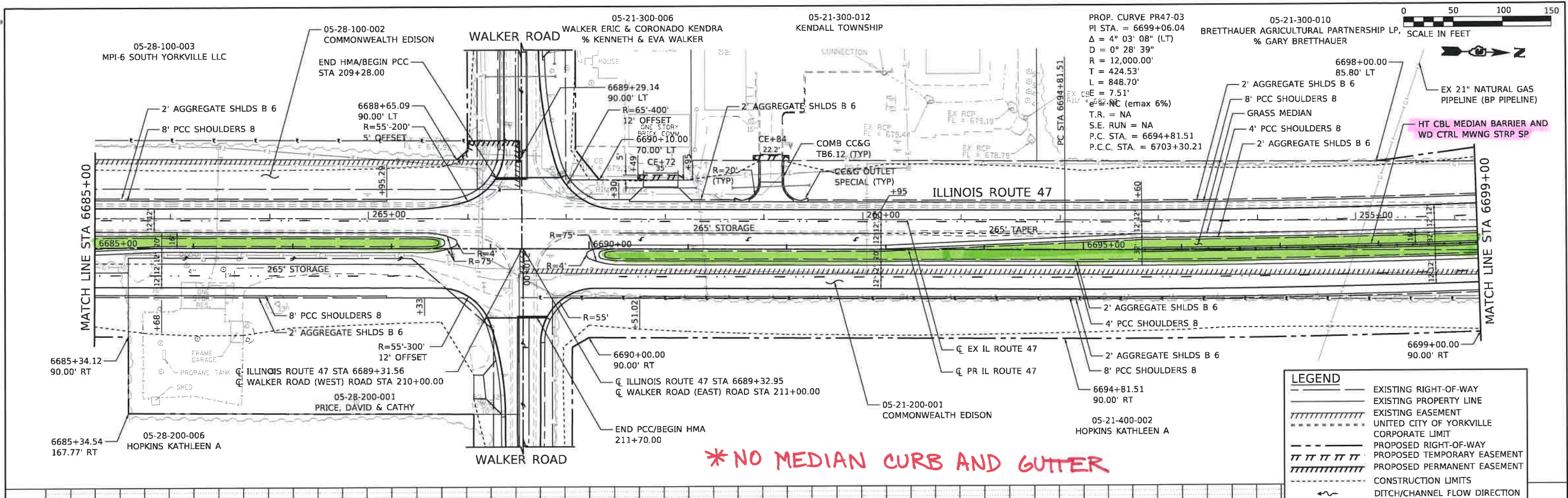
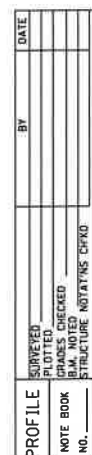


STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN AND PROFILE ILLINOIS ROUTE 47				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.			
USER NAME = amiller				DESIGNED = DEB				326 (109, 110) R KENDALL 640 93			
DRAWN = RCB				CHECKED =				CONTRACT NO. 66825			
PLOT SCALE = 100.0000' / in.				DATE =				ILLINOIS FED. AID PROJECT			
PLOT DATE = 8/17/2023				REVISED =							







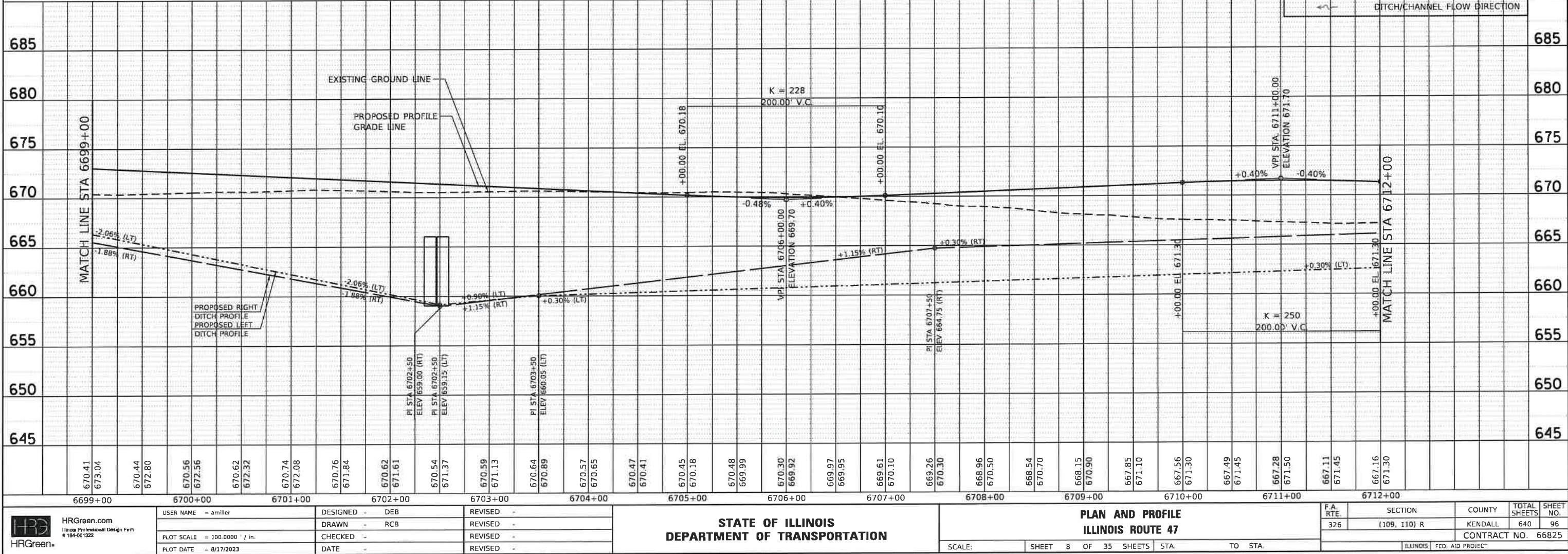
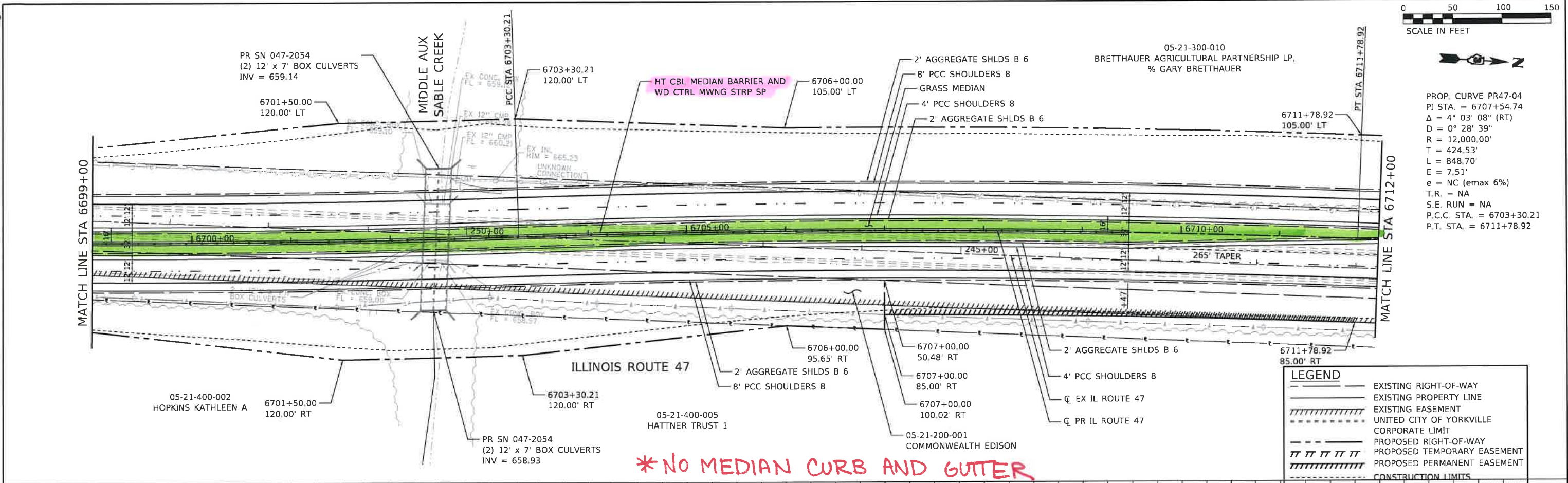




PLAN	REVISIONS	DATE
NO.	BY	
NOTE BOOK		
FILE NAME		

PROFILE	REVISIONS	DATE
NO.	BY	
NOTE BOOK		
FILE NAME		

HRG PROJECT NO. 8800046.01  
 HRG PROJ. CONTACT:  
 FILE NAME: D:\6625-sht-8800046-08.dgn  
 PLOT DRIVER: K:\pdr\dwgplot19  
 PEN TABLE: plotpen.tbl



HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = amiller  
 DESIGNED = DEB  
 DRAWN = RCB  
 CHECKED =  
 DATE = 6/17/2023

REVISIONS  
 REVISIONS  
 REVISIONS  
 REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 ILLINOIS ROUTE 47

SCALE: SHEET 8 OF 35 SHEETS STA. TO STA.

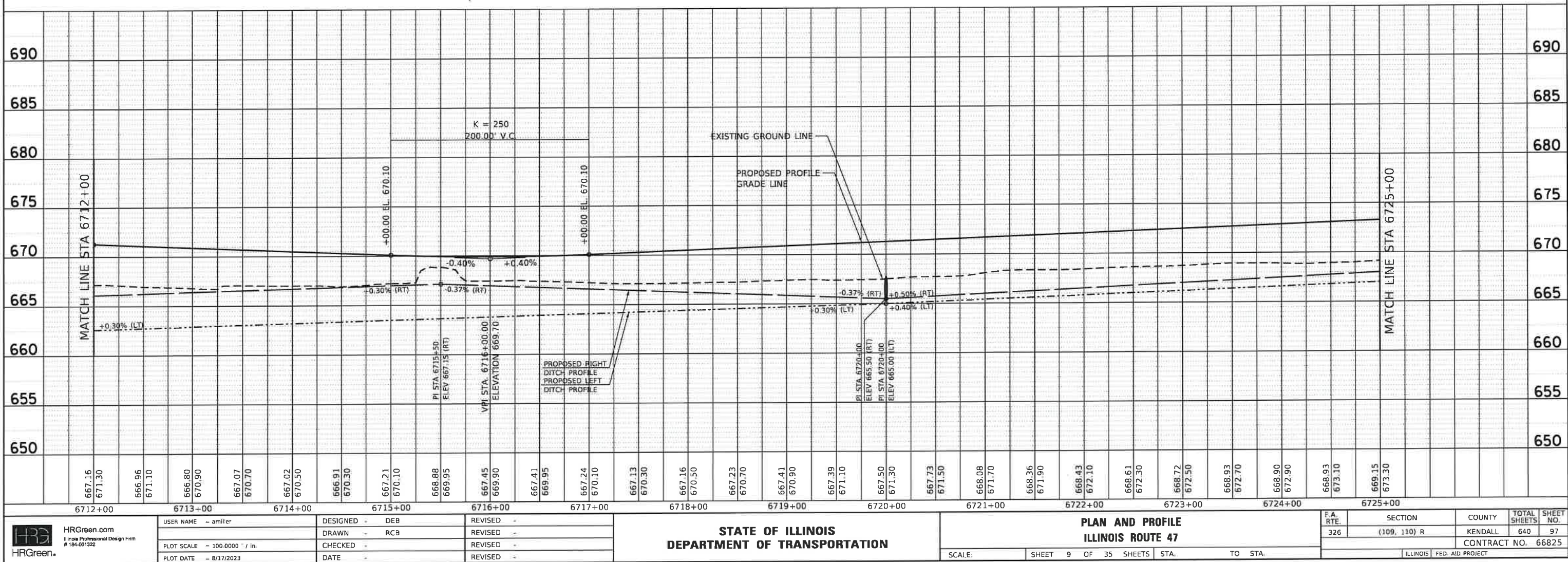
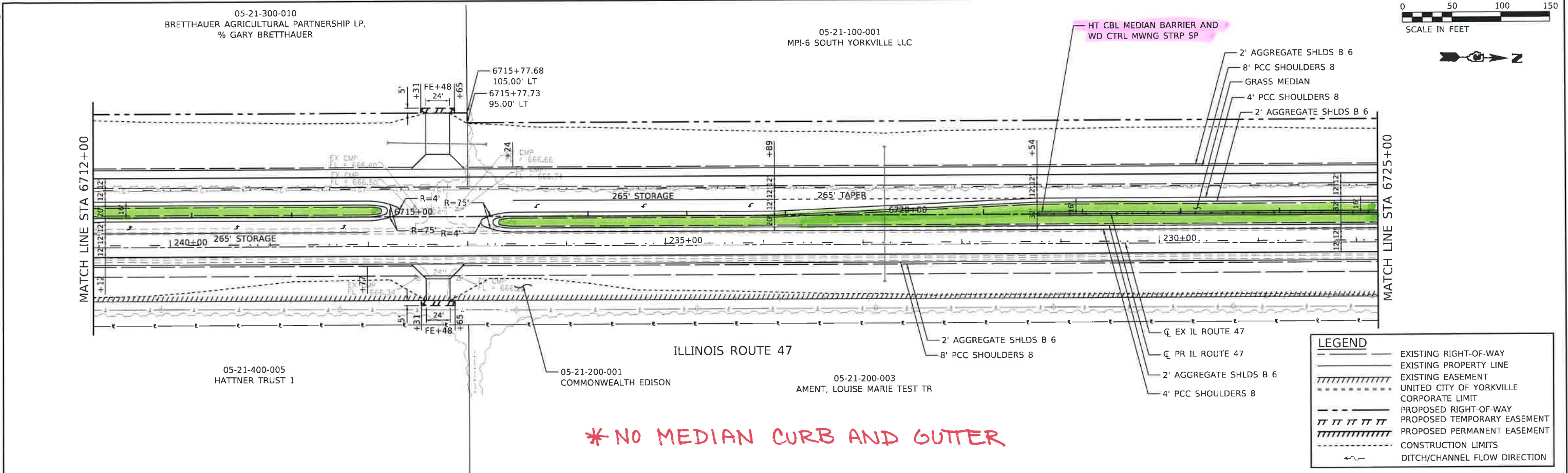
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	96
CONTRACT NO. 66825				
ILLINOIS FED. AID PROJECT				



PLAN	DATE	BY
DESIGNED		
PLOTTED		
CHECKED		
NOTED		
NO.		

PROFILE	DATE	BY
DESIGNED		
PLOTTED		
CHECKED		
NOTED		
NO.		

HRG PROJECT NO. 8800046.01  
HRG PROJ. CONTACT:  
FILE NAME: D:\66825-SHT-09\p04-09.dgn  
PLOT DRIVER: L:\p04-09\p04-09.plt  
PEN TABLE: plot04-09.tbl

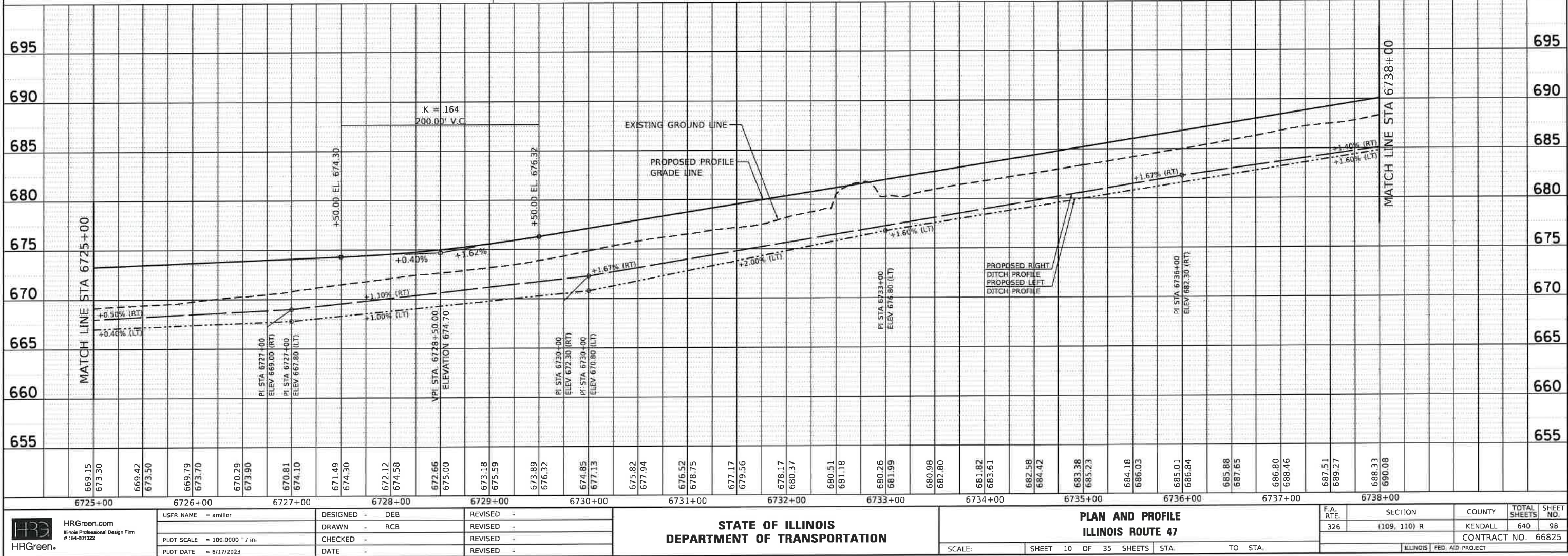
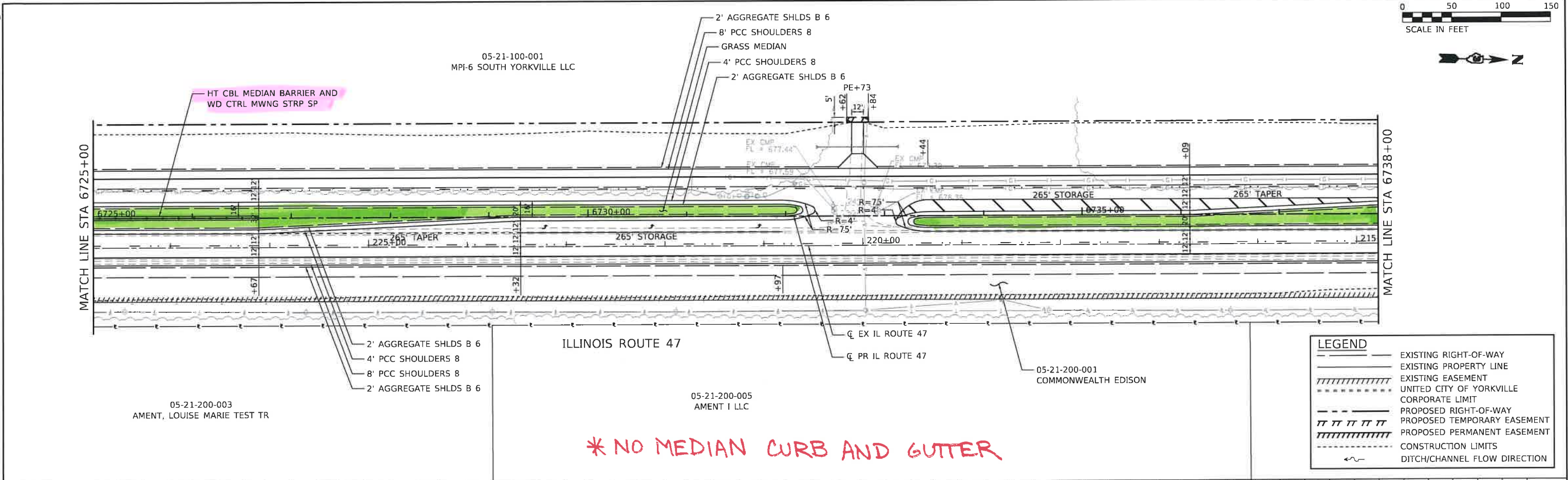




PLAN	DATE	BY
SUBMITTED		
PLOTTED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SUBMITTED		
PLOTTED		
NOTE BOOK		
NO.		

HRG PROJECT NO. 8800046.01  
HRG PROJ. CONTACT:  
FILE NAME: D36625-811-100-001.dgn  
PLOT: DRIVEN K. J. 2023-08-17  
PER: T. A. 2023-08-17





PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
NO.	FILE NAME		

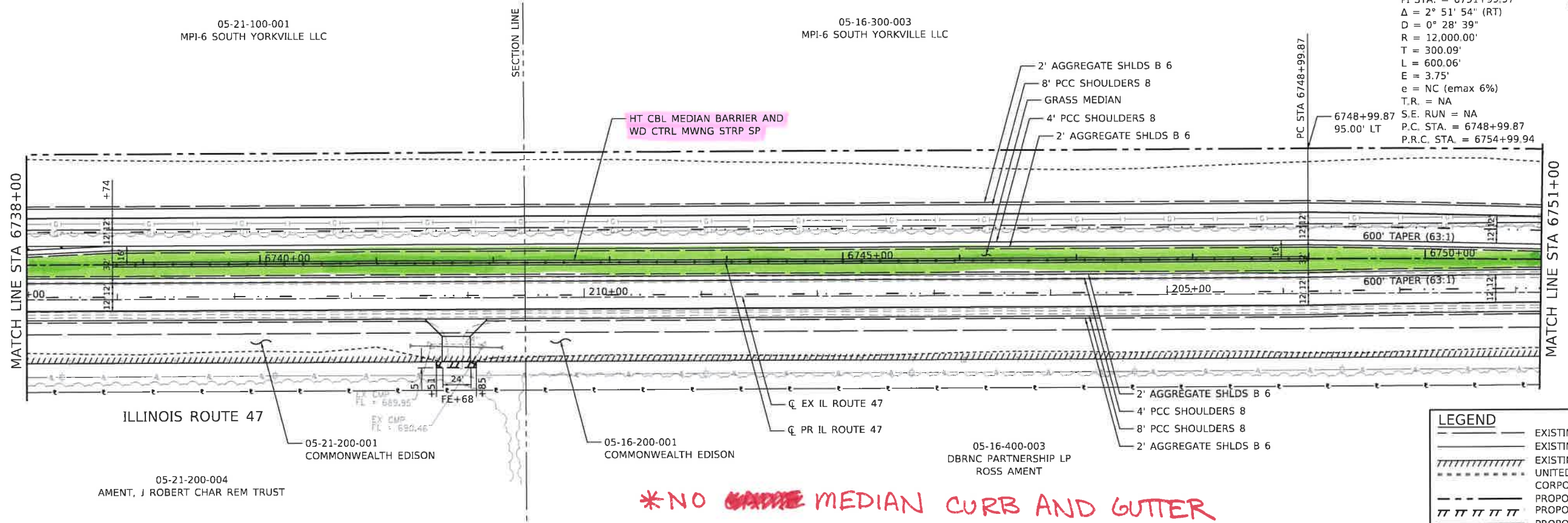
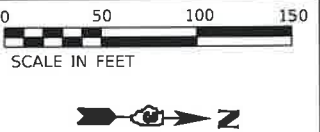
PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE NOTATIONS		

HRG PROJECT NO.: 6900046.01  
HRG PROJ. CONTACT: J. D. B. 6900046.01  
PLOT DATE: 8/17/2023  
PER: J. D. B. 6900046.01

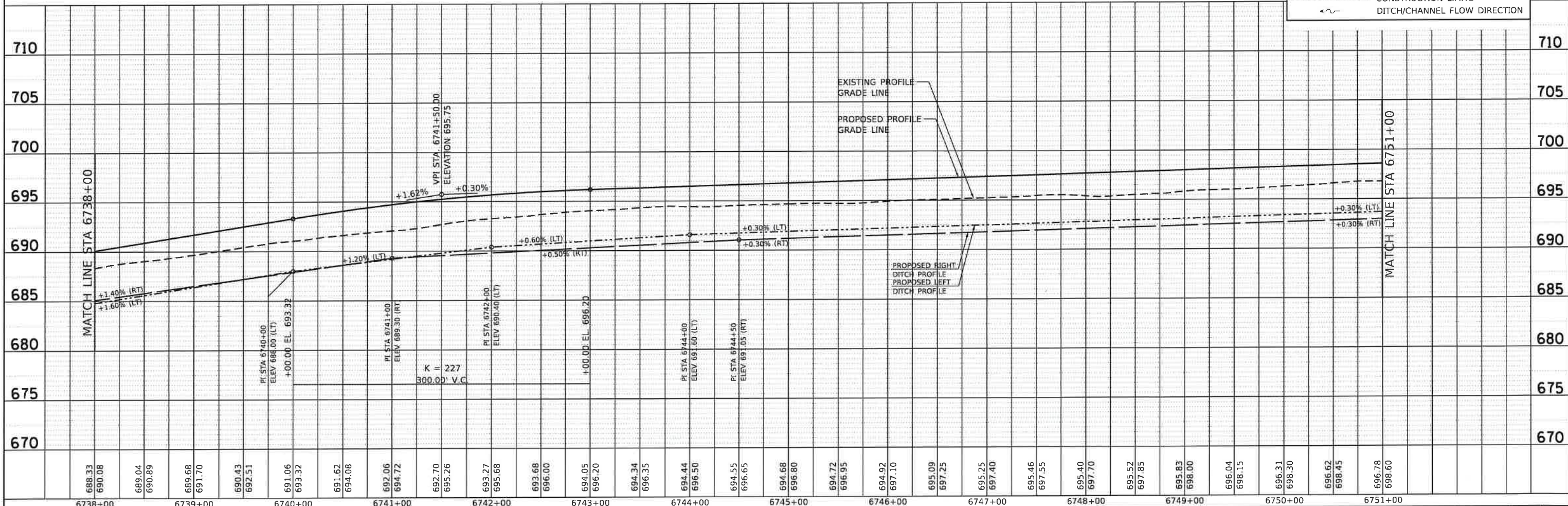
05-21-100-001  
MPI-6 SOUTH YORKVILLE LLC

05-16-300-003  
MPI-6 SOUTH YORKVILLE LLC

PROP. CURVE PR47-05  
PI STA. = 6751+99.97  
 $\Delta = 2^\circ 51' 54''$  (RT)  
 $D = 0^\circ 28' 39''$   
 $R = 12,000.00'$   
 $T = 300.09'$   
 $L = 600.06'$   
 $E = 3.75'$   
 $e = NC$  (emax 6%)  
T.R. = NA  
S.E. RUN = NA  
P.C. STA. = 6748+99.87  
P.R.C. STA. = 6754+99.94

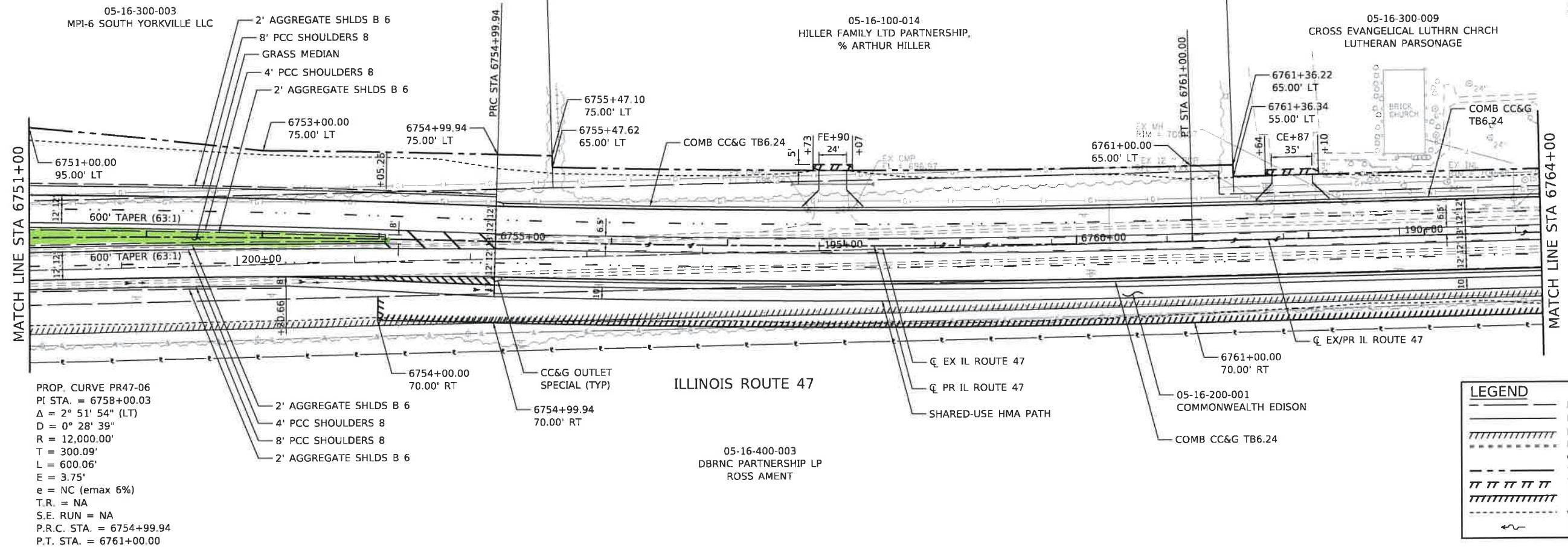











LEGEND	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	DITCH/CHANNEL FLOW DIRECTION

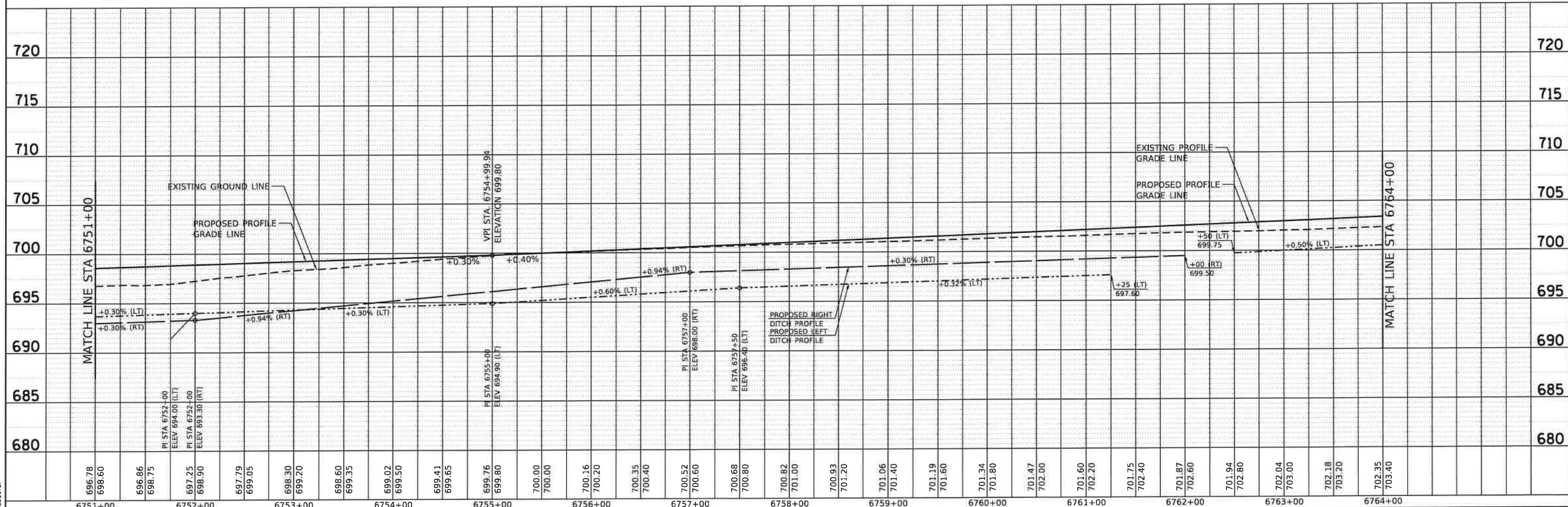


STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN AND PROFILE ILLINOIS ROUTE 47				F.A. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.			
USER NAME = amiller				DESIGNED - DEB				326 (109, 110) R KENDALL 640 99			
DRAWN - RCB				REVISD -				CONTRACT NO. 66825			
CHECKED -				REVISD -				ILLINOIS FED. AID PROJECT			
PLOT SCALE = 100.0000' / in.				REVISD -							
PLOT DATE = 8/17/2023				REVISD -							
DATE -				SCALE: SHEET 11 OF 35 SHEETS STA. TO STA.							





<b>LEGEND</b>	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	DITCH/CHANNEL FLOW DIRECTION



USER NAME = amiller	DESIGNED = DEB	REVISED =
	DRAWN = RCB	REVISED =
PLOT SCALE = 100.0000" / in.	CHECKED =	REVISED =
PLOT DATE = 8/17/2023	DATE =	REVISED =

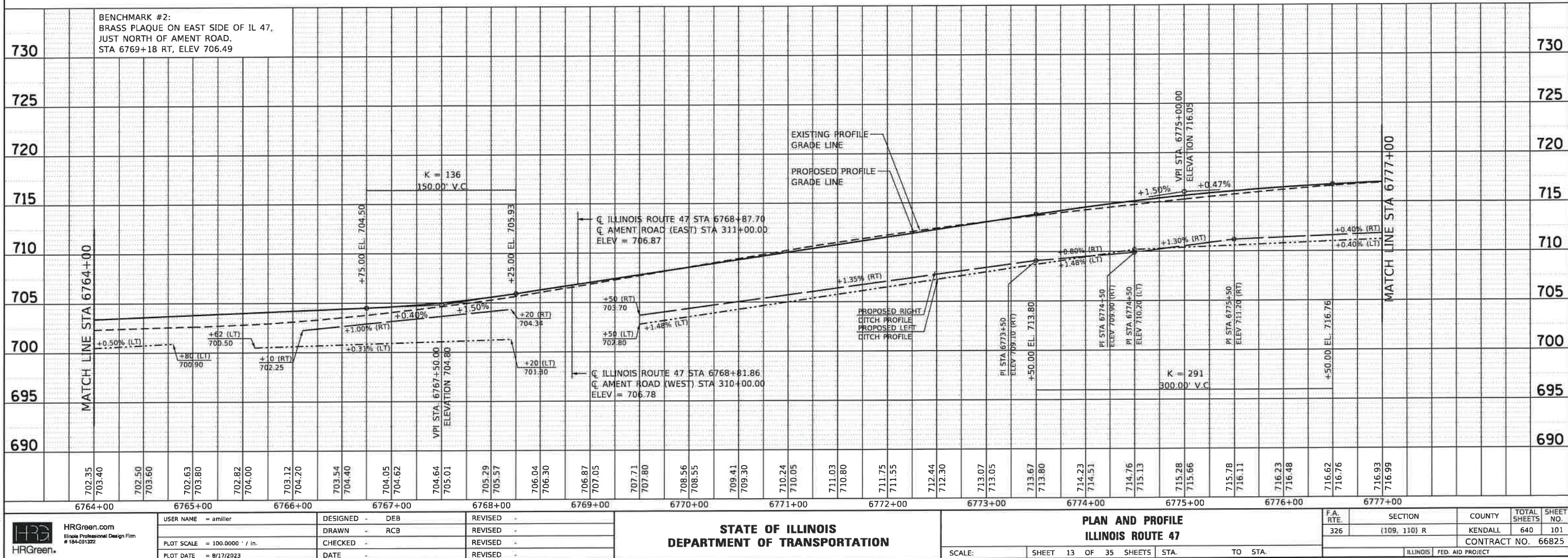
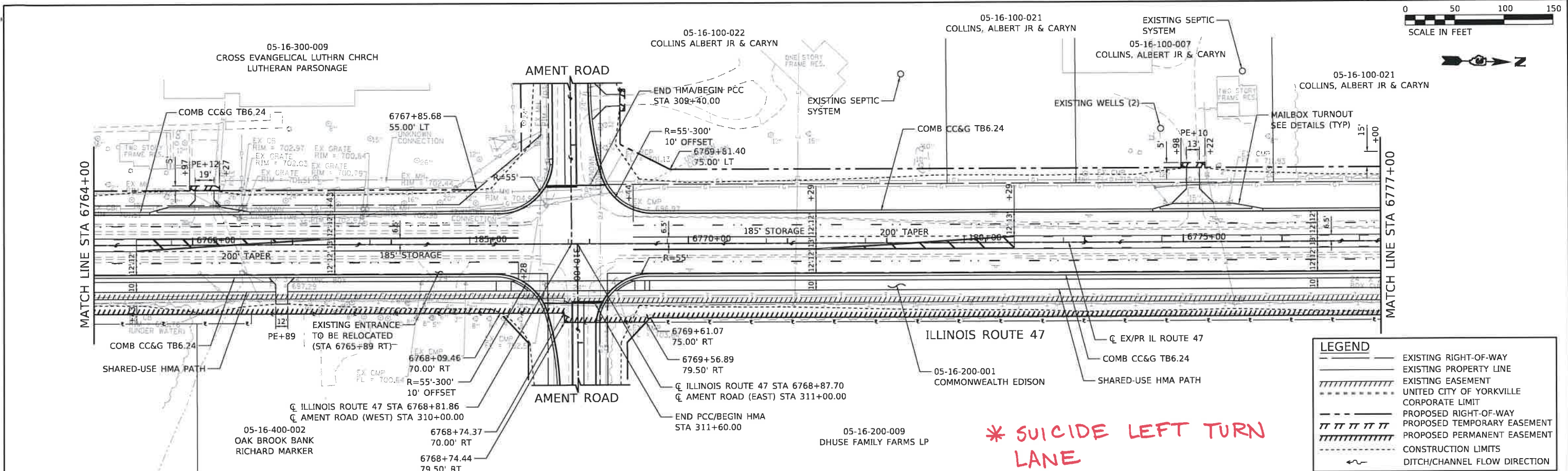
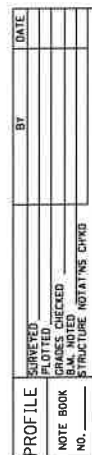
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## PLAN AND PROFILE ILLINOIS ROUTE 47

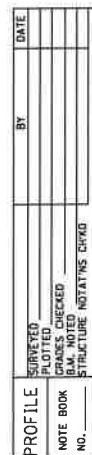
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	100
		CONTRACT NO. 66825		
		ILLINOIS	FED. AID PROJECT	

URG PROJECT NO.: B800046.OH  
URG PROJ. CONTACT:  
FILE NAME: D366825-shr-plnprf-12.dgn  
PLOT DRIVER: A..pdf, bw, plotcg  
OPEN TABLE: plotlabel.tbl

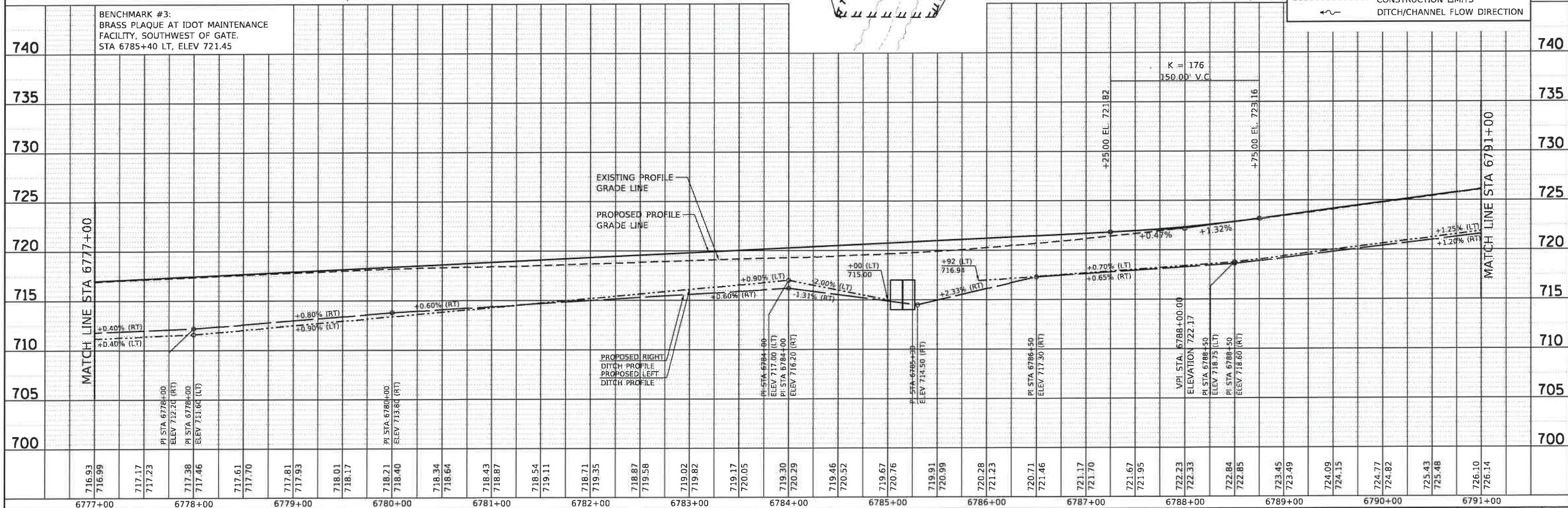
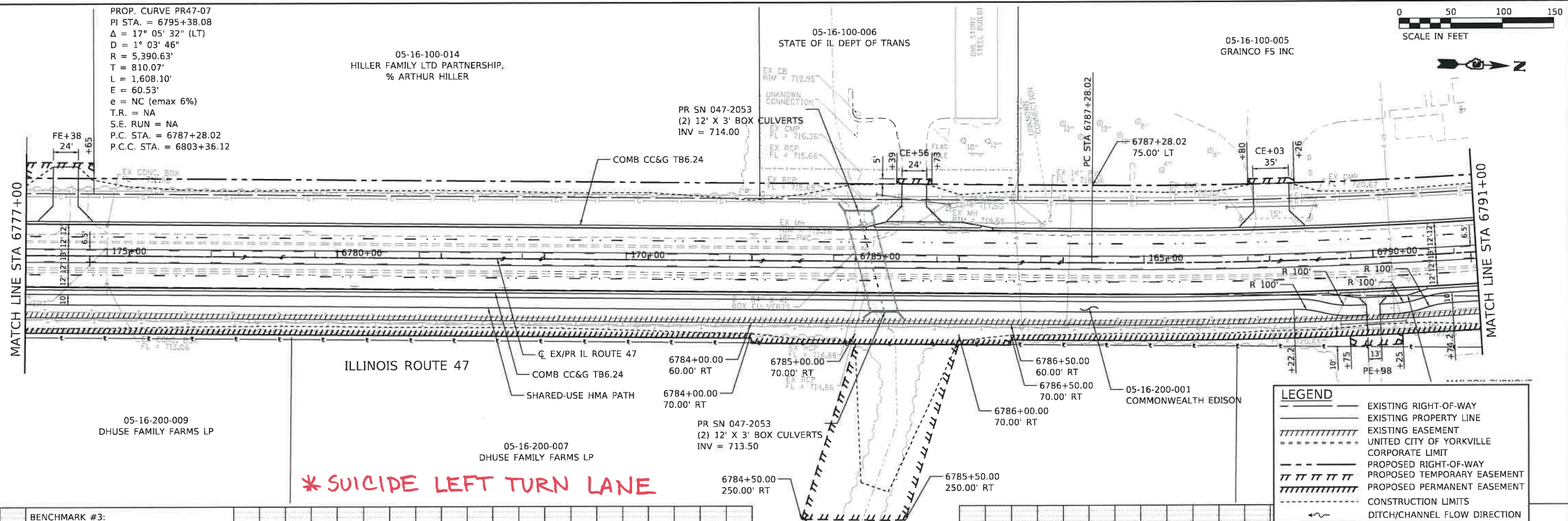








HRG PROJECT NO.: 88H00046.01  
HRG PROJ. CONTACT:  
FILE NAME: DJ66825-shr-plnprf-14.dgn  
PLOT DRIVER: fl\_pdf\_bw.plt;cg  
PEN TABLE: plotlabel.tbl

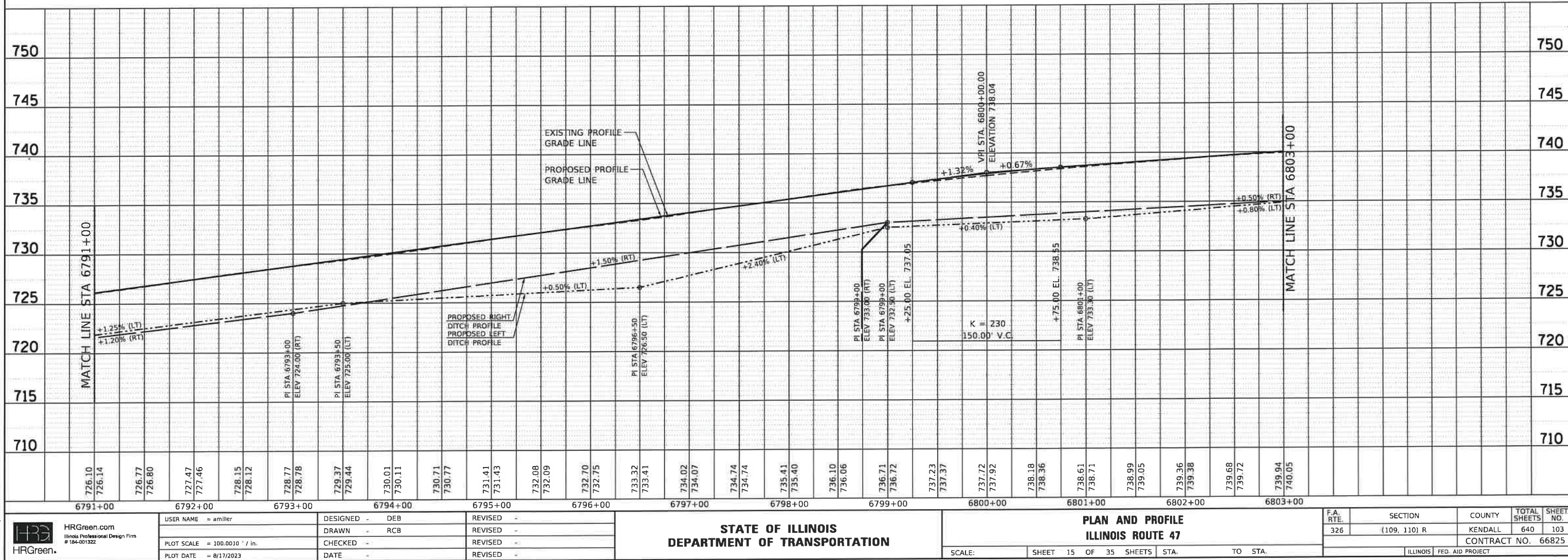
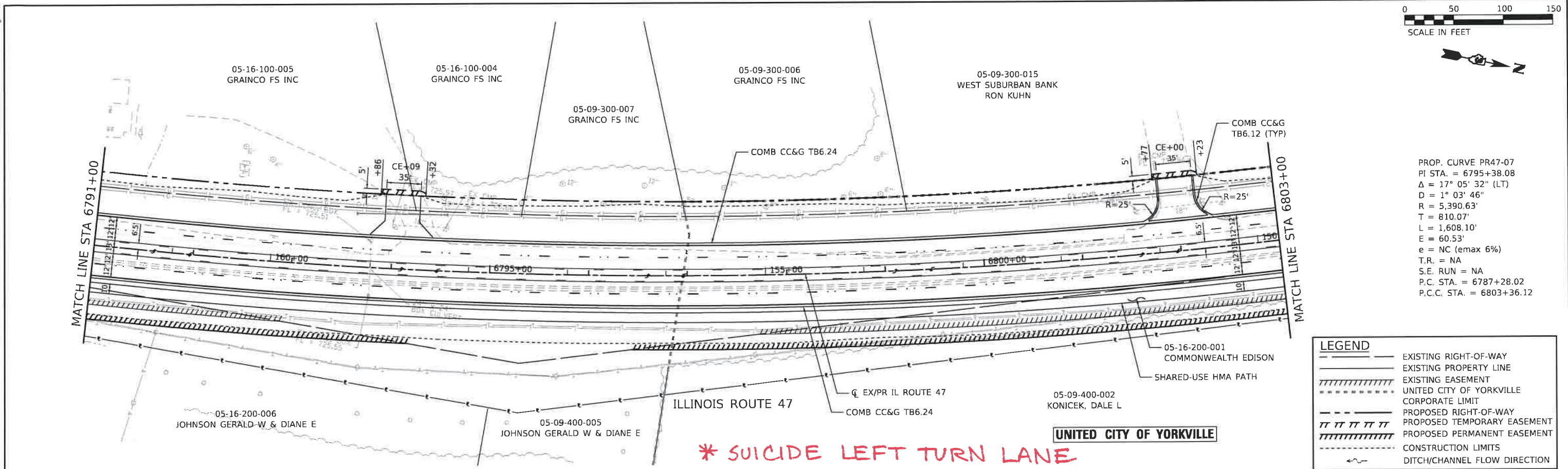




PLAN	SUBMITTED	BY	DATE
NO.	NO.		
NOTE BOOK	ALIGNED		
	CHECKED		
	FILE NAME		

PROFILE	SUBMITTED	BY	DATE
NO.	NO.		
NOTE BOOK	GRADES CHECKED		
	BLM. NOTED		
	STRUCTURE NOTATING OK'D		

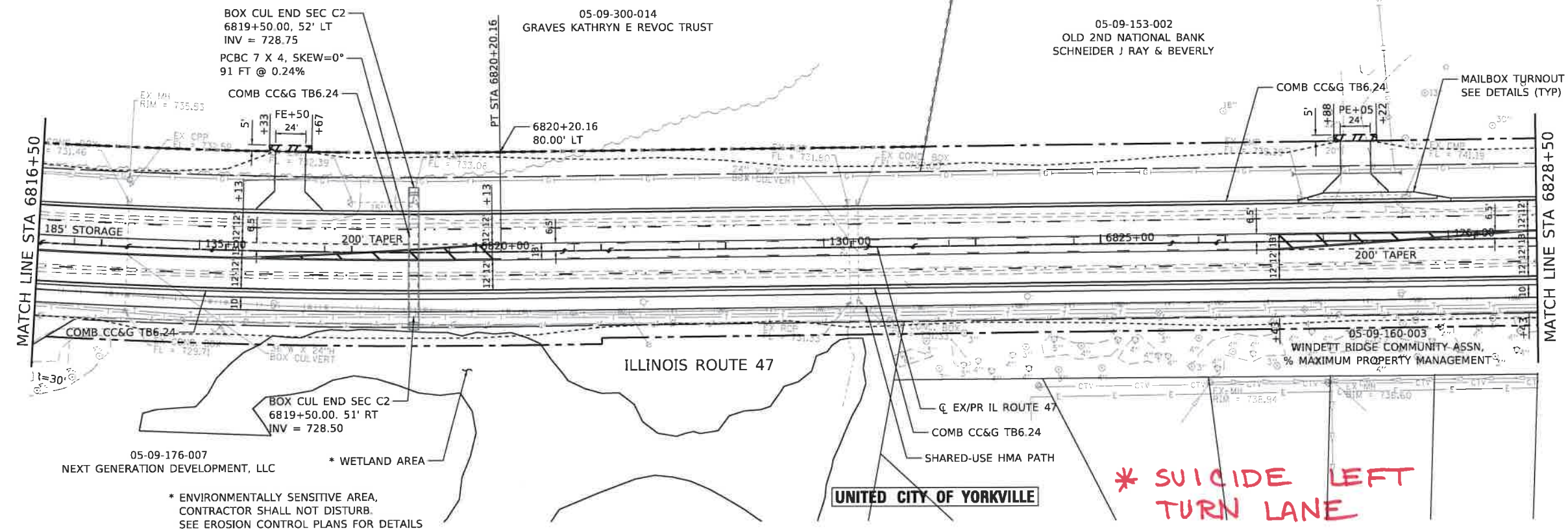
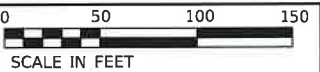
HRG PROJECT NO.: 6800046.01  
HRG PROJ. CONTACT:  
FILE NAME: 0366825-911-pnpr-f-b.dgn  
PLOT DRIVER: K.daf-bw.plt  
PEN TABLE: plottbl.tbl














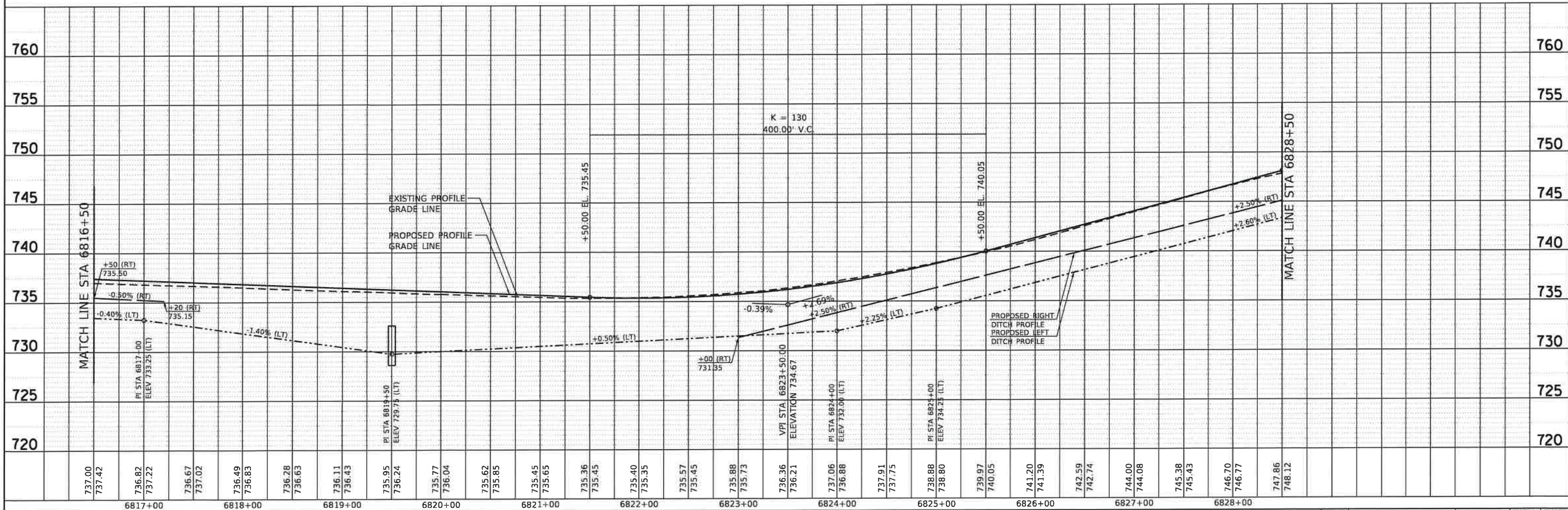






PROP. CURVE PR47-08  
PI STA. = 6811+84.92  
 $\Delta = 17^\circ 43' 34''$  (LT)  
D =  $1^\circ 03' 09''$   
R = 5,443.29'  
T = 848.80'  
L = 1,684.04'  
E = 65.78'  
e = NC (emax 6%)  
T.R. = NA  
S.E. RUN = NA  
P.C.C. STA. = 6803+36.12  
P.T. STA. = 6820+20.16

<b>LEGEND</b>	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	DITCH/CHANNEL FLOW DIRECTION



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## PLAN AND PROFILE ILLINOIS ROUTE 47

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	105
		CONTRACT NO. 66825		
ILLINOIS		FED AID PROJECT		

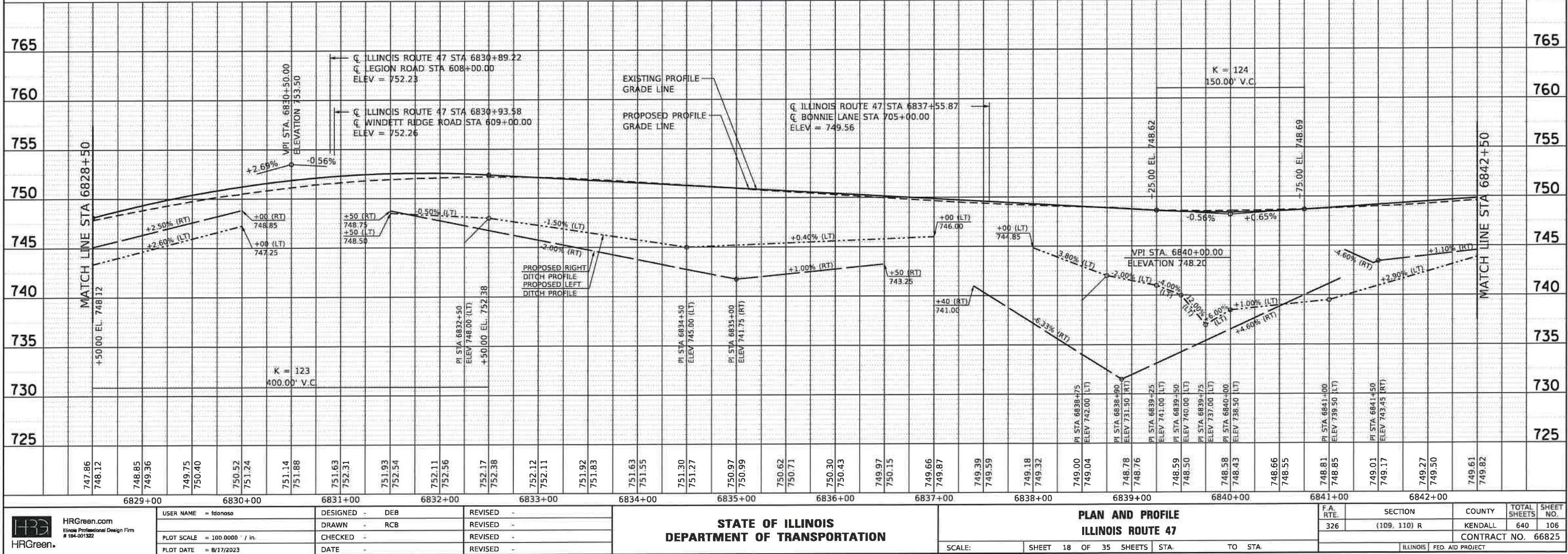
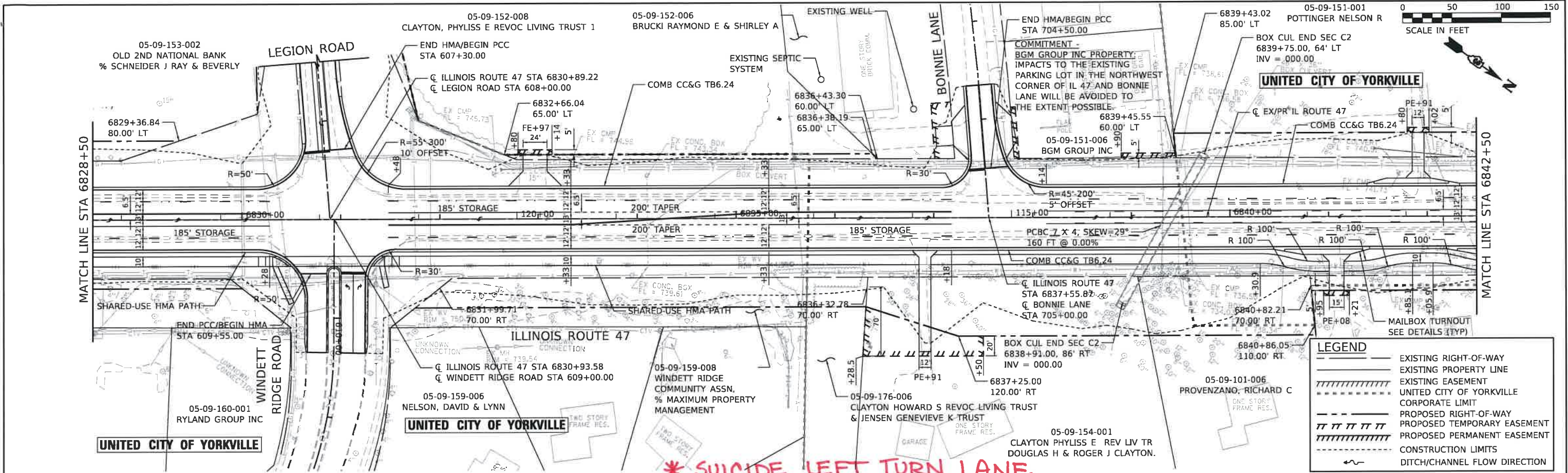
HRG PROJECT NO. 88K00046.01  
 HRG PROJ. CONTACT:  
 FILE NAME: D366825-shr-dhrpr-f-17.dgn  
 PLOT DRIVER: pl.pdf, bw, plotcf  
 OPEN TABLE: plotlabel.tbl



PLAN	SURVEYED	BY	DATE
NO.	NO.		
NOTE BOOK	ALIGNED		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NO.	NO.		
NOTE BOOK	GRADES		
	CHECKED		
	STRUCTURE		
	STATISTICS		

HRG PROJECT NO. 18600046.01  
HRG PROJ. CONTACT:  
FILE NAME: D66825-ent-100-00000-18.dgn  
PLOT DATE: 8/17/2023  
PEN: 18600046.01



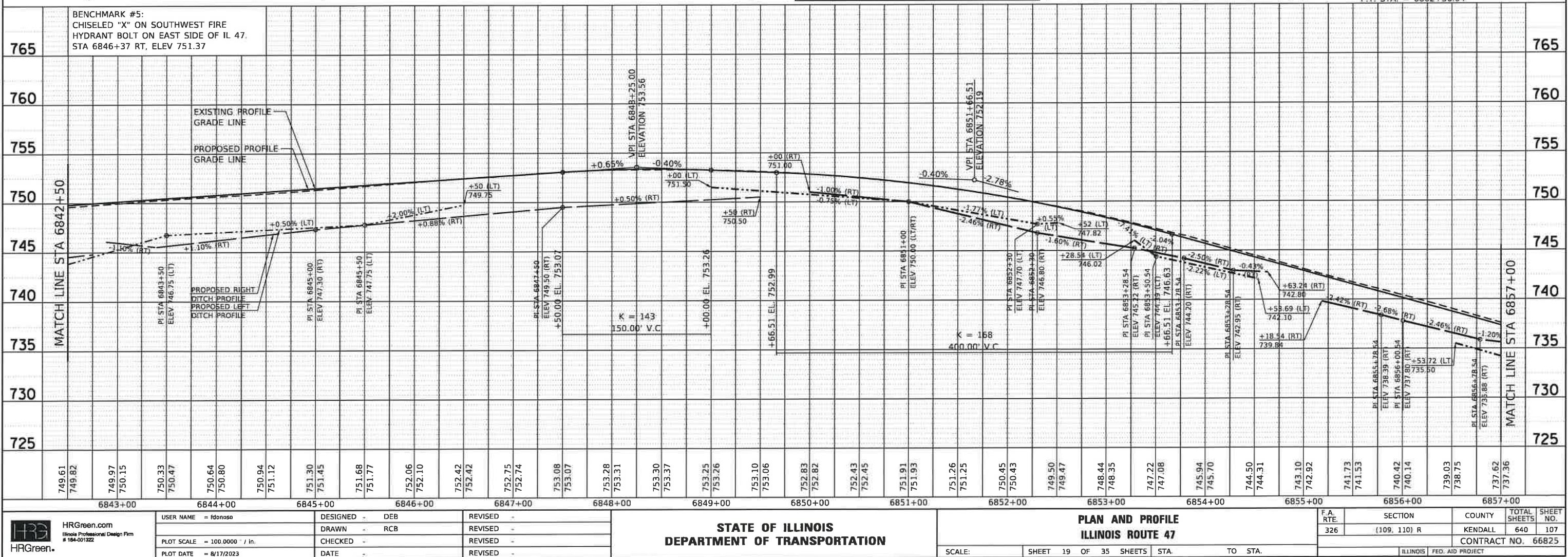
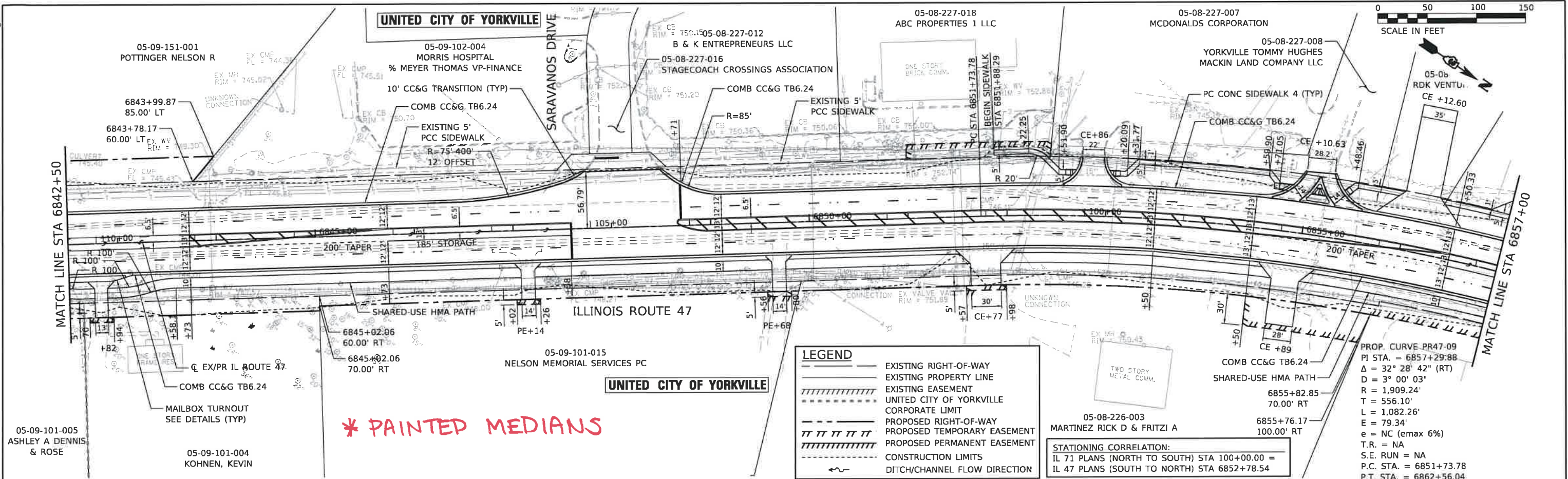
HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = fdonoso DESIGNED = DEB DRAWN = RCB PLOT SCALE = 100.0000' / in. PLOT DATE = 8/17/2023	REVISOR = REVISOR = REVISOR = REVISOR =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE ILLINOIS ROUTE 47 SCALE: SHEET 18 OF 35 SHEETS STA. TO STA.	F.A. RTE. 326 SECTION (109, 110) R COUNTY KENDALL TOTAL SHEETS 640 SHEET NO. 106 CONTRACT NO. 66825 ILLINOIS FED. AID PROJECT
--	---	--	---	--	---



PLAN	SURVEYED	BY	DATE
NO.	FILE NAME		
NOTE BOOK	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NO.	FILE NAME		
NOTE BOOK	FILE NAME		

HRG PROJECT NO. 6600046.01  
 HRG PROJ. CONTACT: 312.686.8622  
 PLOT: 10/19/2023  
 PEN: TABLE: 6600046.01



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 ILLINOIS ROUTE 47

SCALE: SHEET 19 OF 35 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	107
CONTRACT NO. 66825				

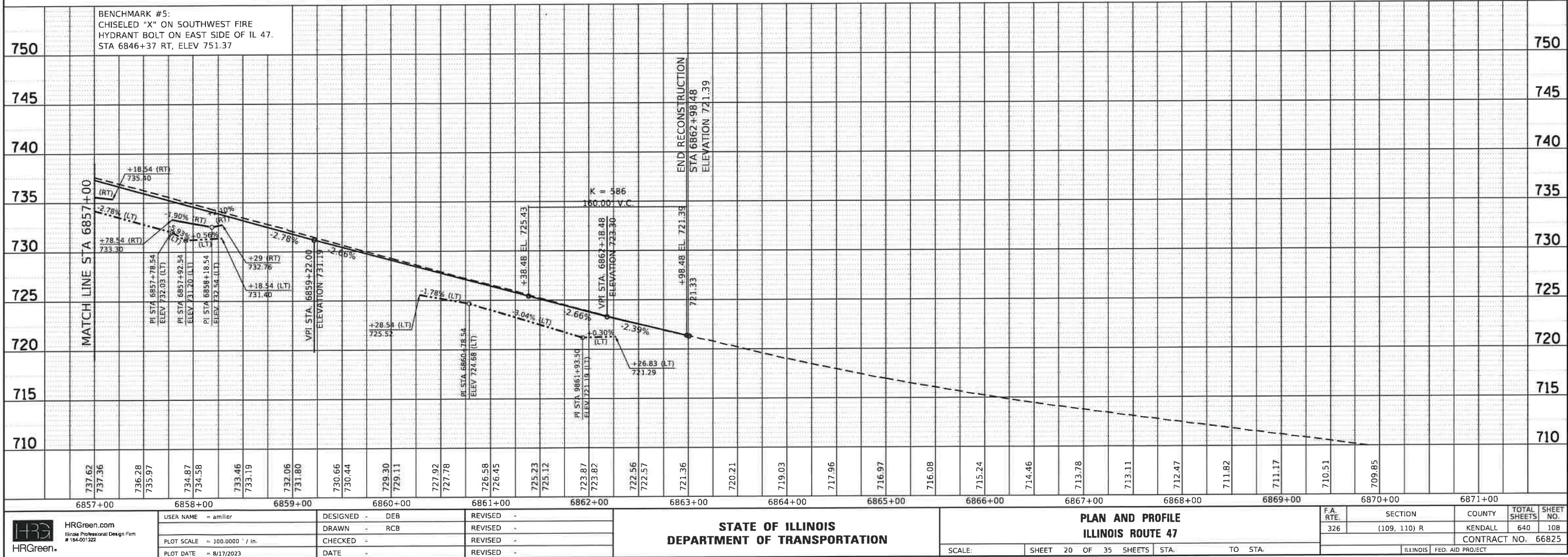
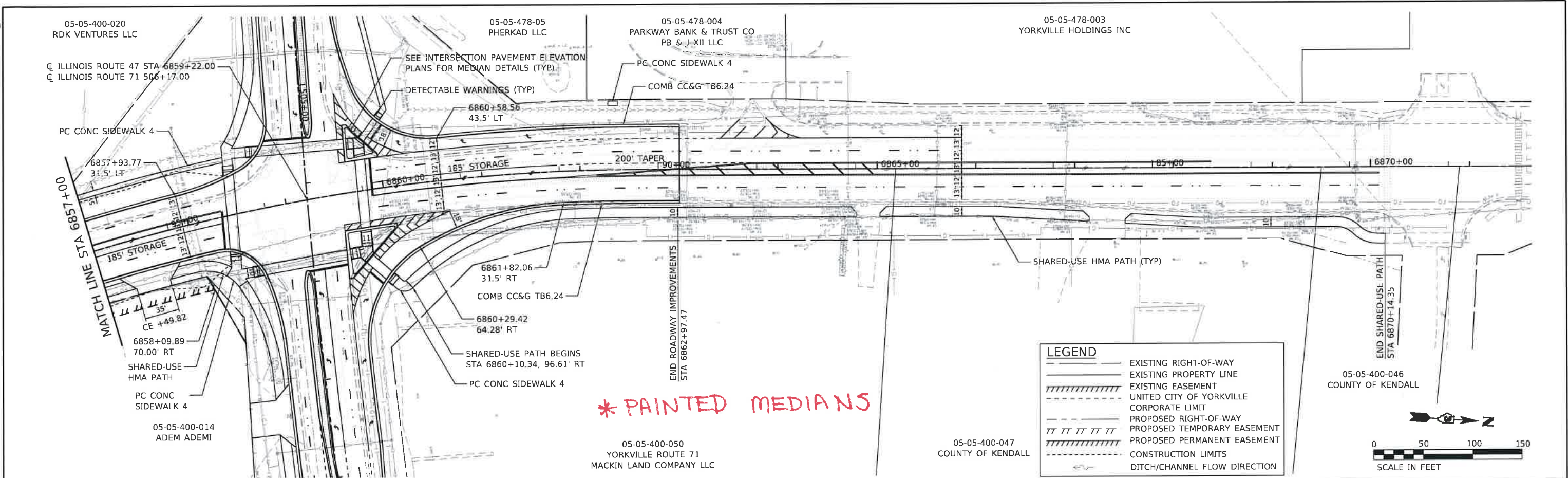
ILLINOIS FED. AID PROJECT



PLAN	DATE	BY
REVISION		
NO.		
NO.		
NO.		

PROFILE	DATE	BY
REVISION		
NO.		
NO.		
NO.		

HRG PROJECT NO.: 8800046.01  
HRG PROJ. CONTACT:  
FILE NAME: D:\66825-shr-prior-f-20.dgn  
PLOT DRIVER: k:\pof.bw\pofcrg  
PEN TABLE: D:\66825



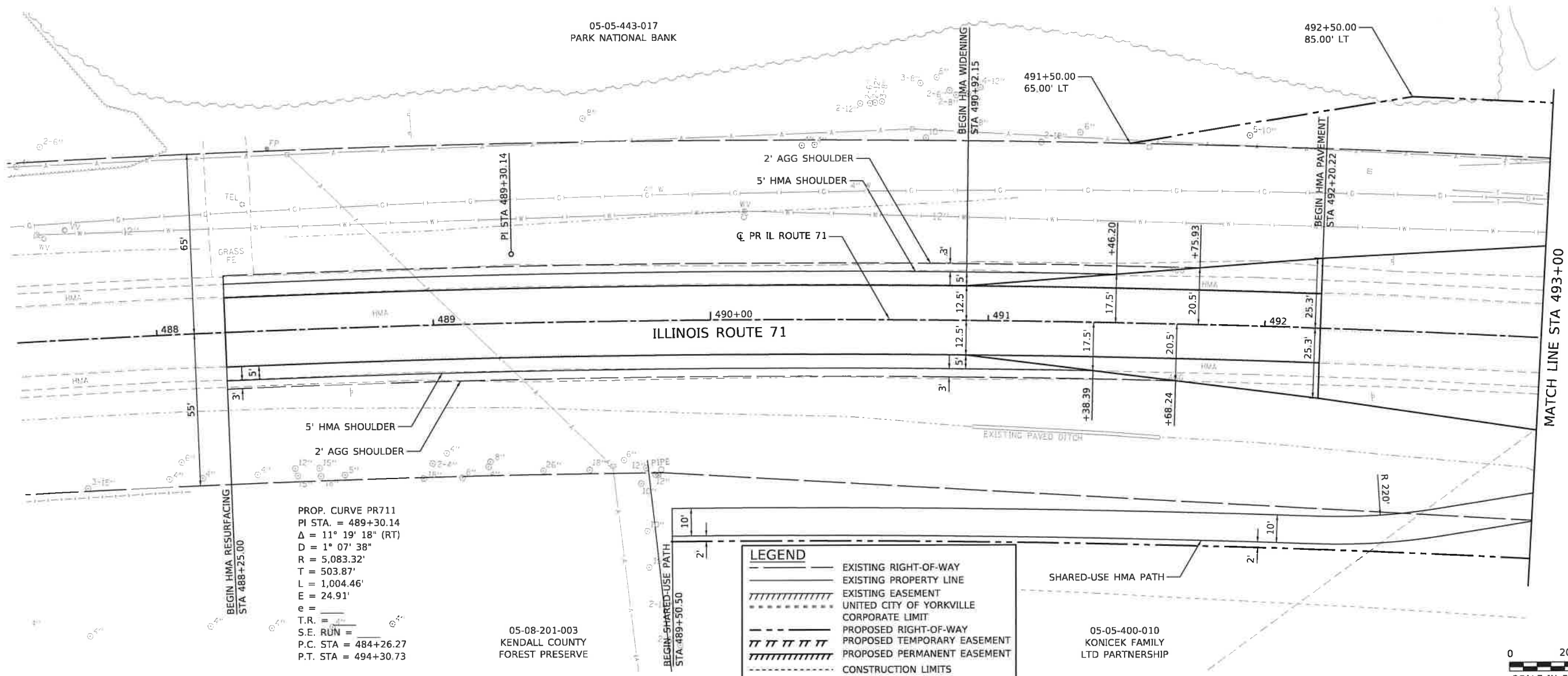


PLAN	REVISION	DATE
NO.	NO.	NO.
NOTE BOOK	ALIGNED CHECKS	FILE NAME

PROFILE	REVISION	DATE
NO.	NO.	NO.
NOTE BOOK	GRADES CHECKED	FILE NAME

HRG PROJECT NO. 05-05-443-017  
HRG PROJ. CONTACT  
FILE NAME: 05-05-443-017-Plan-1.dgn  
PLOT DRIVER: L:\proj\dwg\p1c1g  
PEN TABLE: 05-05-443-017

05-05-443-017  
PARK NATIONAL BANK



PROP. CURVE PR711  
PI STA. = 489+30.14  
 $\Delta = 11^\circ 19' 18''$  (RT)  
 $D = 1^\circ 07' 38''$   
 $R = 5,083.32'$   
 $T = 503.87'$   
 $L = 1,004.46'$   
 $E = 24.91'$   
 $e =$   
T.R. =  
S.E. RUN =  
P.C. STA. = 484+26.27  
P.T. STA. = 494+30.73

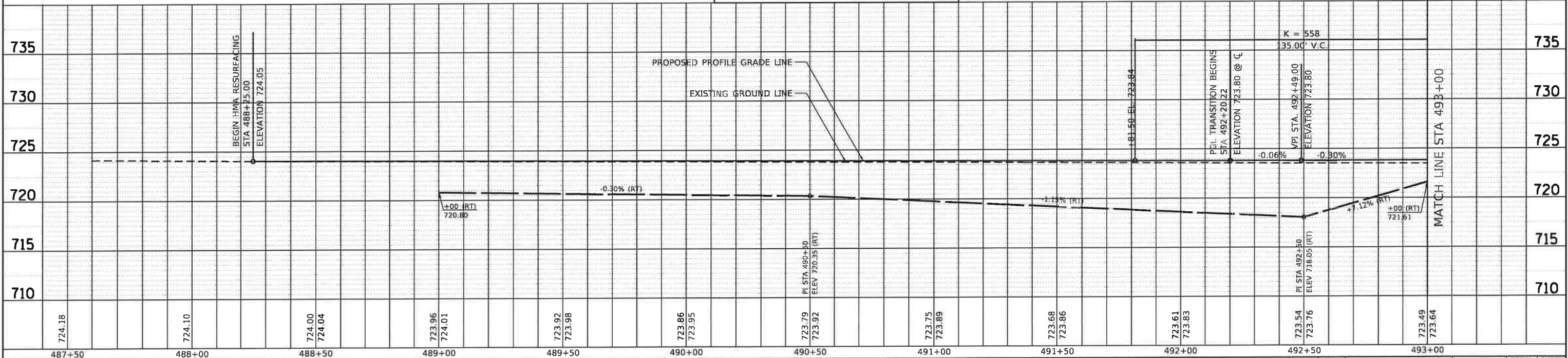
05-08-201-003  
KENDALL COUNTY  
FOREST PRESERVE

#### LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- UNITED CITY OF YORKVILLE
- CORPORATE LIMIT
- PROPOSED RIGHT-OF-WAY
- PROPOSED TEMPORARY EASEMENT
- PROPOSED PERMANENT EASEMENT
- CONSTRUCTION LIMITS
- DITCH/CHANNEL FLOW DIRECTION

05-05-400-010  
KONICEK FAMILY  
LTD PARTNERSHIP

0 20 40 60  
SCALE IN FEET



USER NAME	DESIGNED	REVISION	SCALE	SHEET	OF	STA.	TO	STA.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
amiller	DEB	-	40.0000' / in.	21	35	STA.	TO STA.		(109, 110) R	KENDALL	640	109
DATE	CHECKED	REVISION										
8/17/2023	-	-										

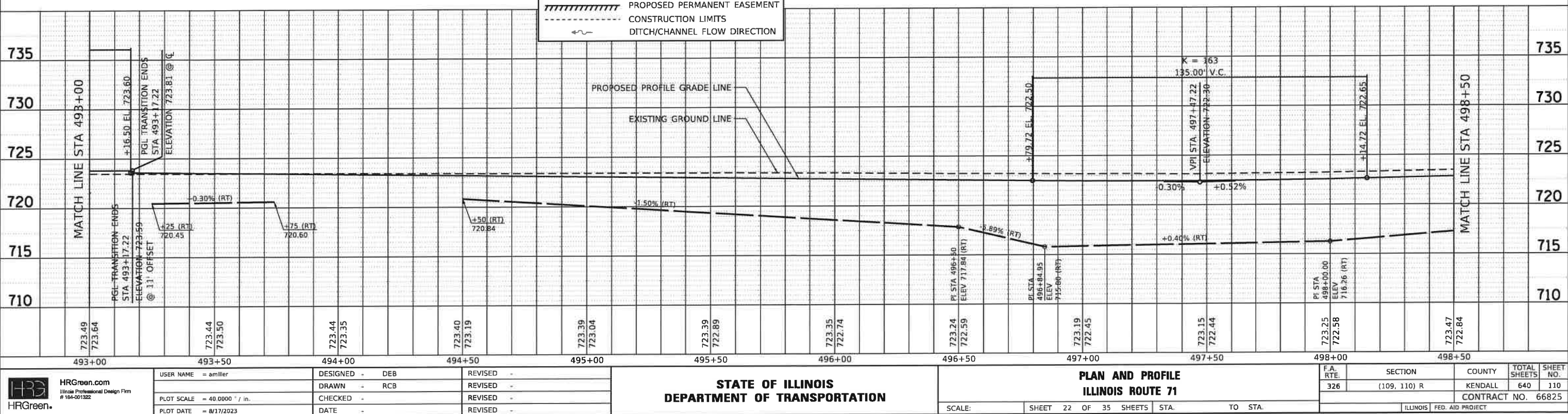
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
ILLINOIS ROUTE 71

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	109
CONTRACT NO. 66825				

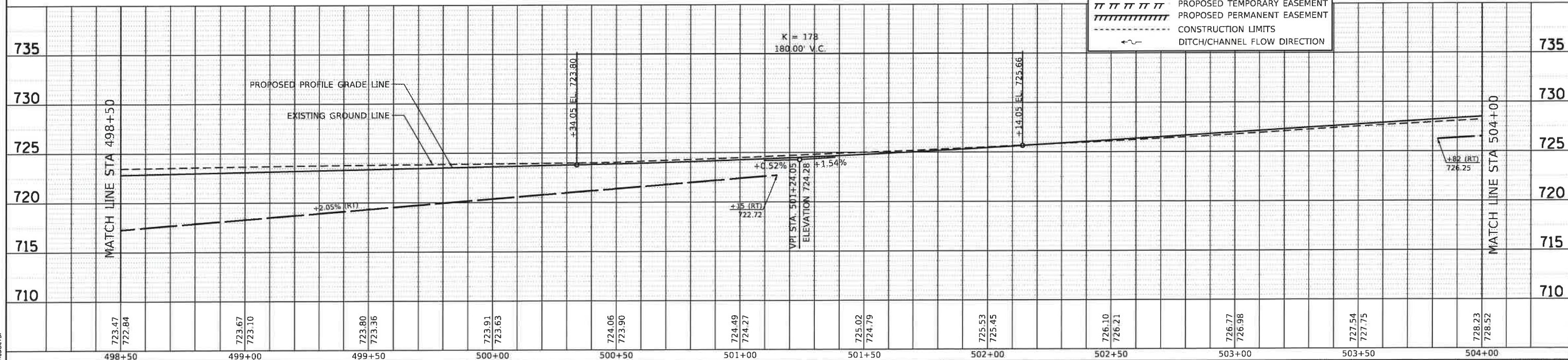
ILLINOIS FED. AID PROJECT

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	B.M. NOTED		
NO. _____	STRUCTURE NOTATION'S CHKD		

[illegible]



PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	CHARS CHECKED _____		
	I.L.M. NOTED _____		
NO. _____	STRUCTURE NOTATING CHKD _____		



 <b>HRGreen.com</b> Illinois Professional Design Firm #184-001322 <b>HRGreen.</b>	USER NAME = amiller	DESIGNED = DEB	REVISED =	<div style="text-align: center;"> <b>STATE OF ILLINOIS</b>  <b>DEPARTMENT OF TRANSPORTATION</b> </div>	<div style="text-align: center;"> <b>PLAN AND PROFILE</b>  <b>ILLINOIS ROUTE 71</b> </div>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN = RCB	REVISED =					326	(109, 110) R	KENDALL	640	111
	PLOT SCALE = 40.0000' = 1 in.	CHECKED =	REVISED =		SCALE:			SHEET 23 OF 35 SHEETS	STA.	TO STA.	CONTRACT NO. 66825	
	PLOT DATE = 8/17/2023	DATE =	REVISED =						ILLINOIS	FED. AID PROJECT		

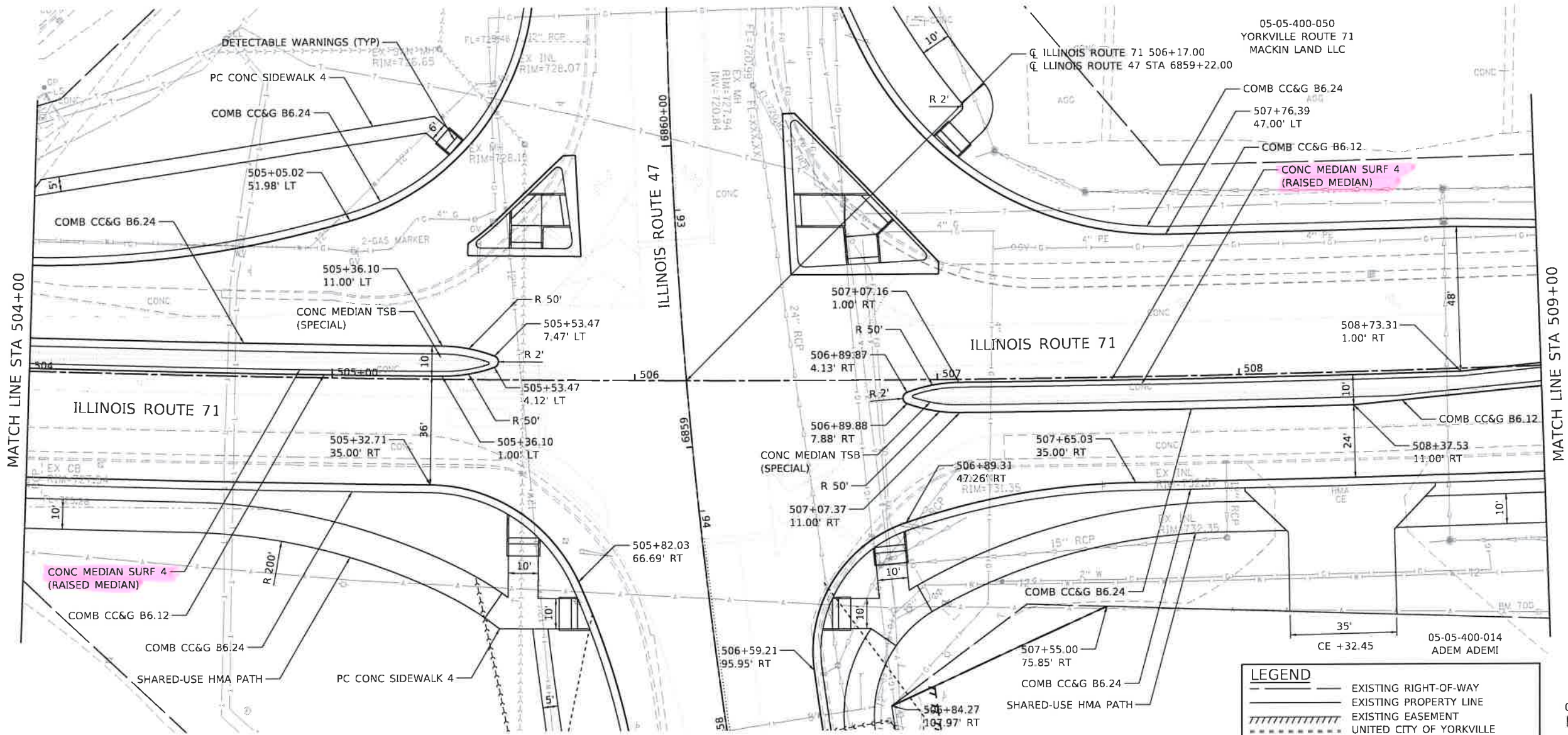
HRG PROJECT NO.: 88100046.01  
HRG PROJ. CONTACT:  
FILE NAME: D366825-shr-phgr-f-23.dgn  
PLOT DRIVER: l.pdf\_bw.pltfg  
OPEN TABLE: plotabel.tbl



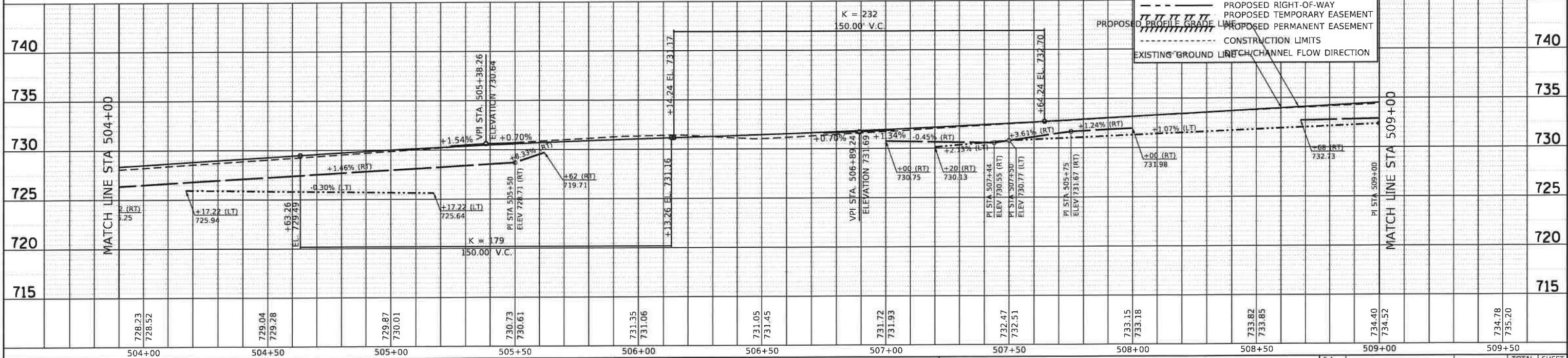
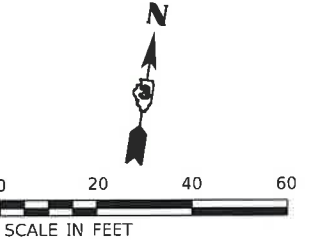
PLAN	DATE	BY
SERIALIZED		
NOTED		
FILE NAME		
NO.		

PROFILE	DATE	BY
SERIALIZED		
NOTED		
FILE NAME		
NO.		

HRG PROJECT NO. 8890046.01  
 HRG PROJ. CONTACT:  
 FILE NAME: D:\66825-shy-dhmr-f-24.dgn  
 PLOT DRIVER: k-pof-dwpln.ctb  
 PEN TABLE: D:\66825-shy-dhmr-f-24.dgn

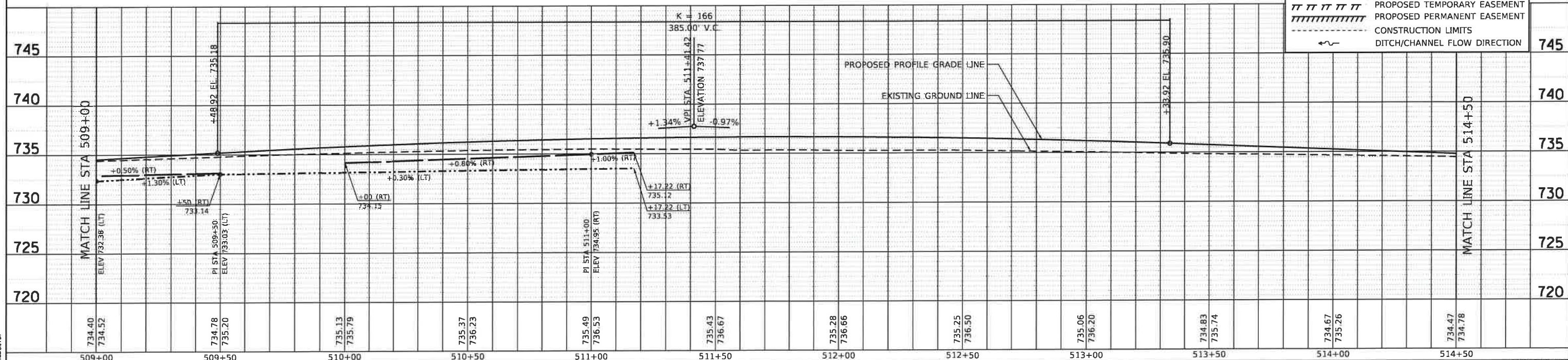
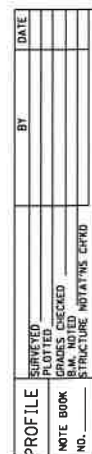











LEGEND	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	EXISTING GROUND LINE
	CHANNEL FLOW DIRECTION



 <div>HRGreen.com Illinois Professional Design Firm # 184-001322</div> 	USER NAME = amiller	DESIGNED - DEB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE ILLINOIS ROUTE 71			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RCB	REVISED -					326	(109, 110) R	KENDALL	640	112
	PLOT SCALE = 40.0000" / in.	CHECKED -	REVISED -					CONTRACT NO. 66825				
	PLOT DATE = 8/17/2023	DATE -	REVISED -					SCALE:	SHEET 24 OF 35 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	





LEGEND	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	DITCH/CHANNEL FLOW DIRECTION

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## PLAN AND PROFILE ILLINOIS ROUTE 71

SCALE:	SHEET 25 OF 35 SHEETS	STA. TO STA.
--------	-----------------------	--------------

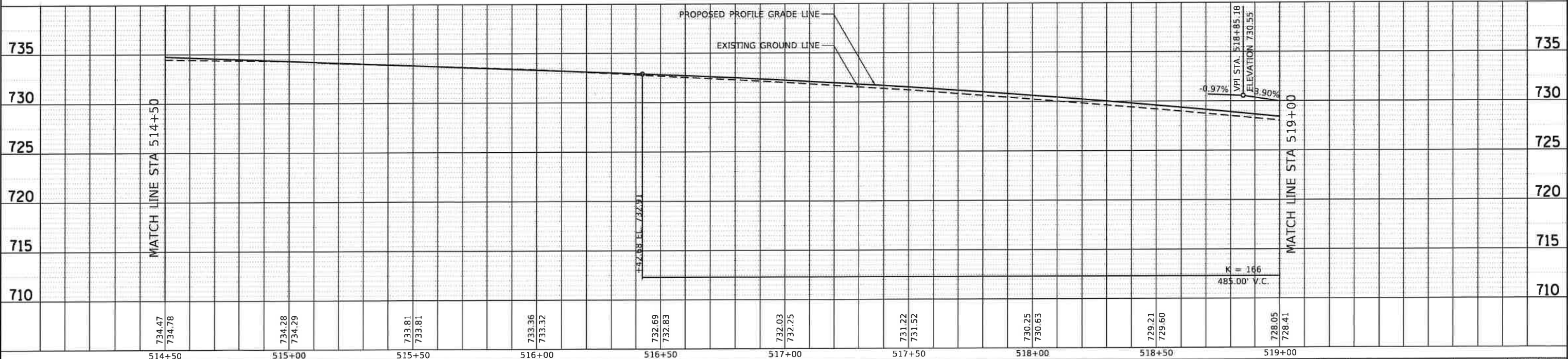
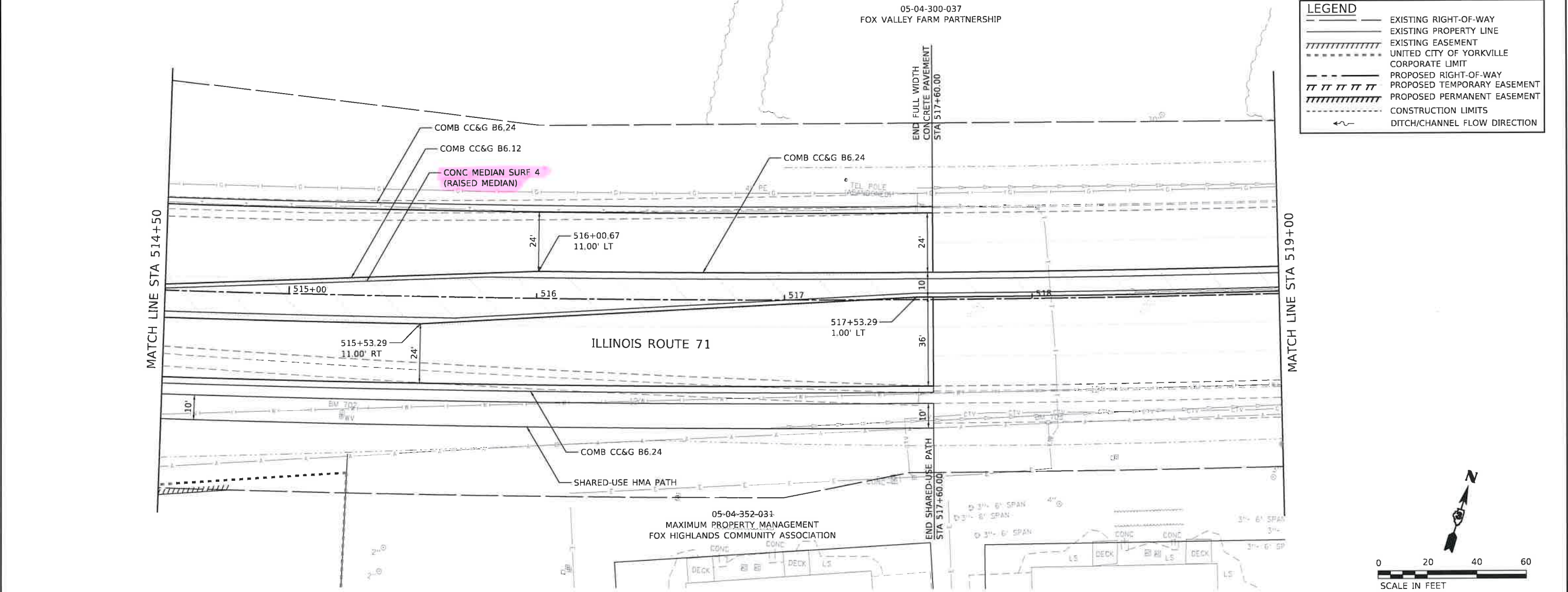
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109, 110) R	KENDALL	640	113
		CONTRACT NO. 66825		
		ILLINOIS FED. AID PROJECT		



PLAN	DATE	BY
REVISIONS		
NO.		
NOTE BOOK		
FILE NAME		
FILE NO.		

PROFILE	DATE	BY
REVISIONS		
NO.		
NOTE BOOK		
FILE NAME		
FILE NO.		

HRG PROJECT NO. 8800046.01  
HRG PROJ. CONTACT:  
FILE NAME: 036625-017-000-1-26.dgn  
PLOT DRIVER: L:\pdr\dwg\pdr16  
PEN TABLE: pdr16.tbl

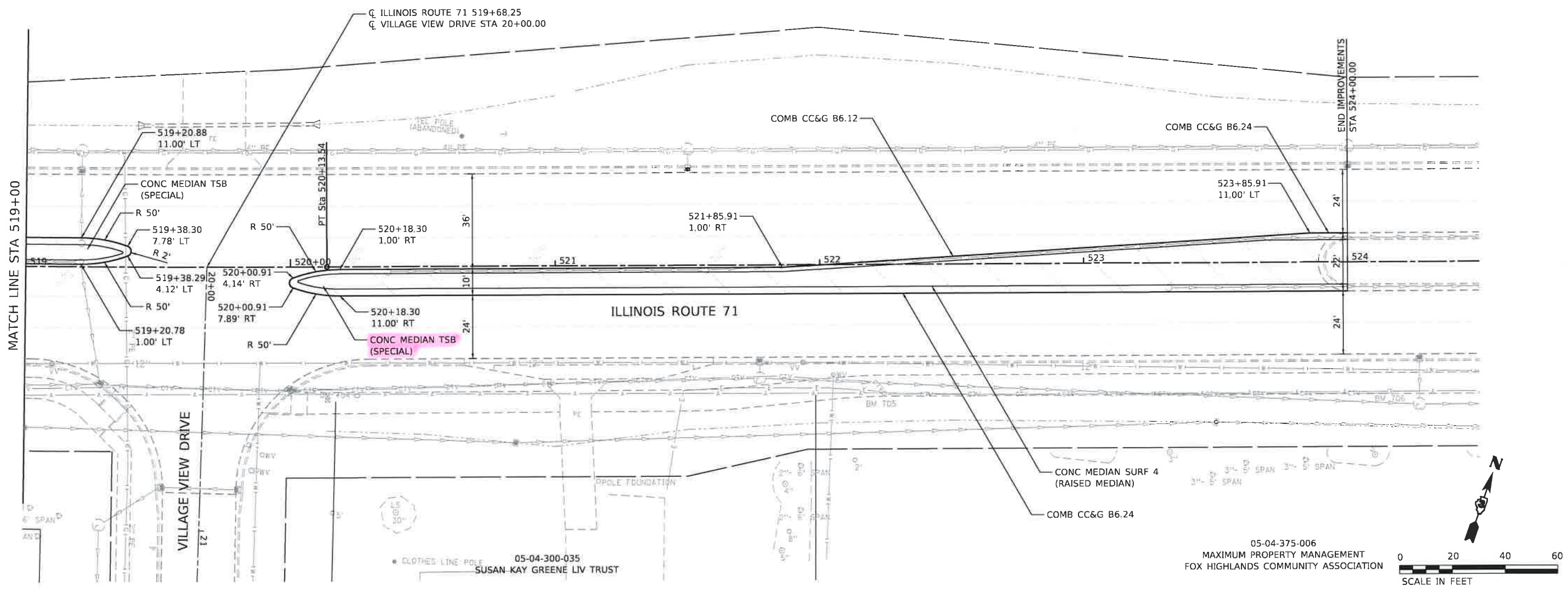


 <div>HRGreen.com Illinois Professional Design Firm # 164-001322</div>	USER NAME = amiller	DESIGNED = DEB	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE ILLINOIS ROUTE 71	SCALE: SHEET 26 OF 35 SHEETS STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN = RCB	REVISED =				326	(109, 110) R	KENDALL	640	114
	PLOT SCALE = 40.0000' / in.	CHECKED =	REVISED =				CONTRACT NO. 66825				
	PLOT DATE = 8/17/2023	DATE =	REVISED =				ILLINOIS FED. AID PROJECT				

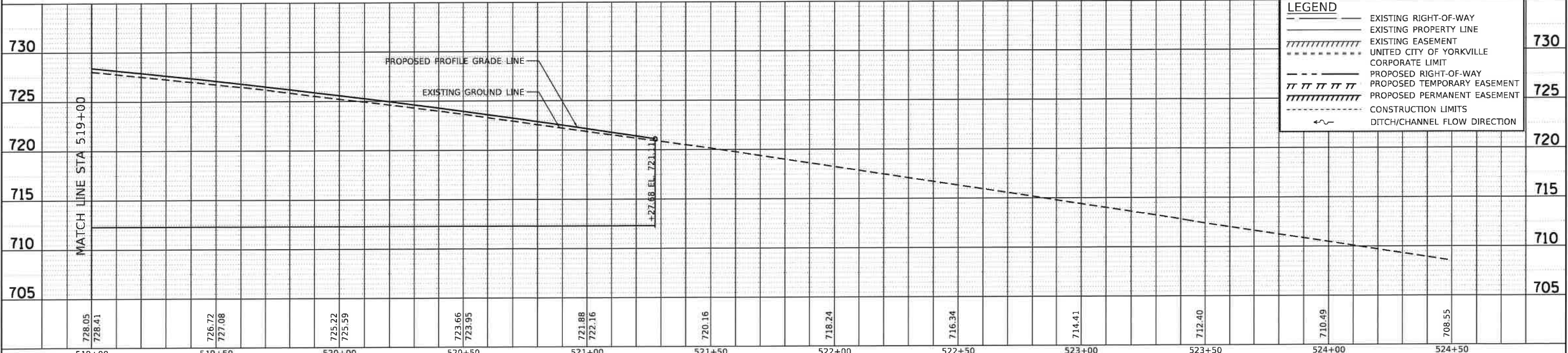


PLAN	DATE	BY
SUBMITTED		
NOTED		
NOTED		
NO.		

PROFILE	DATE	BY
SUBMITTED		
NOTED		
NOTED		
NO.		



05-04-375-006  
MAXIMUM PROPERTY MANAGEMENT  
FOX HIGHLANDS COMMUNITY ASSOCIATION



LEGEND	
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNITED CITY OF YORKVILLE CORPORATE LIMIT
	PROPOSED RIGHT-OF-WAY
	PROPOSED TEMPORARY EASEMENT
	PROPOSED PERMANENT EASEMENT
	CONSTRUCTION LIMITS
	DITCH/CHANNEL FLOW DIRECTION

HRG PROJECT NO. 18800046.01  
HRG PROJ. CONTACT:  
FILE NAME: 0506025-001-000000-01.dgn  
PLOT DATE: 8/17/2023  
PEN: 1/16/2023

519+00		519+50		520+00		520+50		521+00		521+50		522+00		522+50		523+00		523+50							
 <div>HRGreen.com Illinois Professional Design Firm #184-001322</div> <div>HRGreen.</div>	USER NAME = amiller		DESIGNED = DEB		REVISED =		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION												PLAN AND PROFILE ILLINOIS ROUTE 71		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN = RCB		REVISED =														326	(109, 110) R	KENDALL	640	115		
	PLOT SCALE = 40.0000' / in.		CHECKED =		REVISED =														CONTRACT NO. 66825						
	PLOT DATE = 8/17/2023		DATE =		REVISED =																				
								SCALE:		SHEET 27 OF 35 SHEETS		STA.		TO STA.		ILLINOIS FED. AID PROJECT									