

CITY COUNCIL REGULAR MEETING AGENDA

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- 1. CALL TO ORDER
- 2. PLEDGE OF ALLEGIANCE
- 3. ROLL CALL
- 4. APPROVAL OF THE MINUTES
 - A. Approval of the August 14, 2023 Regular City Council Meeting Minutes
- 5. MAYOR'S ANNOUNCEMENTS AND SPECIAL GUEST
- 6. CITIZEN COMMENTS
- 7. CITIZENS REGISTERED TO SPEAK ON AGENDA ITEMS
- 8. PUBLIC HEARING OF PROPOSED ORDINANCES
- 9. INTRODUCTIONS OF ORDINANCES
- 10. ADOPTION OF RESOLUTIONS
 - A. Resolution 2023-R-22 ACCEPTING THE AMOUNTS AND RATES AS DETERMINED BY THE BUDGET COMMISSION AND AUTHORIZING THE NECESSARY TAX LEVIES AND CERTIFYING THEM TO THE COUNTY AUDITOR (Cyphers)
 - B. Resolution 2023-R-21 AUTHORIZING MERIT AND PERFORMANCE PAY FOR THE CITY MANAGER (Schweller)
 - C. Resolution 2023-R-23 AUTHORIZING THE CITY MANAGER TO SOLICIT, ADVERTISE, AND RECEIVE PROPOSALS FROM QUALIFIED FIRMS TO PROVIDE MATERIALS AND PERFORM SERVICES RELATED TO THE CONSTRUCTION AND INSTALLATION OF MID-BLOCK CROSSWALKS, PAVEMENT, CURBING, LANDSCAPING AND ALL NECESSARY AND RELATED APPURTENANCES WITHIN THE CITY (Harding)
 - D. Resolution 2023-R-24 AUTHORIZING THE CITY MANAGER TO ENTER INTO CERTAIN PUBLIC WORKS MUTUAL AID AGREEMENTS WITH OTHER PARTICIPATING POLITICAL SUBDIVISIONS (Greenwood)
- 11. OLD BUSINESS
- 12. NEW BUSINESS
- 13. CITY MANAGER'S REPORT
- 14. COMMITTEE REPORTS
 - A. Safety Committee
 - B. Service Committee
 - C. Finance/Audit Committee
 - D. Community Affairs Committee
- 15. CITY OFFICIAL COMMENTS
- 16. EXECUTIVE SESSION
- 17. ADJOURNMENT

File Attachments for Item:

A. Approval of the August 14, 2023 Regular City Council Meeting Minutes

RECORD OF PROCEEDINGS

Bellbrook Charter Advisory Committee Meeting August 14, 2023

CALL THE MEETING TO ORDER:

Mayor Schweller called the Regular Meeting of the Bellbrook City Council to order at 7:00pm

PLEDGE OF ALLEGIANCE:

Mayor Schweller led the Council in the Pledge of Allegiance.

ROLL CALL:

PRESENT

Mrs. Katherine Cyphers

Mr. Forrest Greenwood

Mr. Brady Harding

Mr. Ernie Havens

Mr. T.J. Hoke

Mrs. Elaine Middlestetter

Mayor Mike Schweller

ABSENT

ALSO PRESENT:

Rob Schommer, City Manager

APPROVAL OF MINUTES:

Mayor Schweller asked if anyone had comments or corrections to the minutes of the July 24, 2023, meeting. Hearing none, the minutes were declared to be approved.

MAYOR'S ANNOUNCEMENTS / SPECIAL PRESENTATIONS:

None

CITIZEN COMMENTS:

Nate and Amy Richardson of 11 E. Walnut Street Bellbrook. Attended to discuss with council the flooding issues on Walnut Street. They requested information on what the plan is.

Mayor Schweller asked Mr. Schommer if the City of Bellbrook had investigated this.

Mr. Schommer replied yes, there has been discussions with the parks about the property and currently

Item A.Section 4. Item

RECORD OF PROCEEDINGS

Bellbrook Charter Advisory Committee Meeting August 14, 2023

reviewing potential sources of the issue with the engineering firm. He noted the retention pond uphill is being reviewed as well as the culvert in the park. The city wants to find the source of the issue and not guess to correct the concerns.

Mrs. Richarson asked for clarity on whose property the drain adjacent to her property was on. Mr. Schommer stated it is on Brookside's property and not part of the City's public storm drain system.

Mayor Schweller thanked the Richardson's for their patience and invited them to check in anytime if there are questions prior to the City determining what potential solutions there are.

PUBLIC HEARING OF PROPOSED ORDINANCES:

None

INTRODUCTION OF ORDINANCES:

None

RESOLUTIONS:

None

OLD BUSINESS:

None

NEW BUSINESS:

Mayor Schweller introduced the public works mutual aid agreement presented by Mr. Schommer. Mr. Schommer stated he wanted to circulate the public works mutual aid agreement with Council while verification of the final draft is being confirmed.

Mayor Schweller stated it looked like one of the agreements is from the Greater Cincinnati area and the other is Southwest Ohio. Mr. Schommer noted one agreement is focused on the Dayton area and the other is centered closer to Cincinnati as part of the member cities within the Center for Local Government.

Mayor Schweller and The Council agreed the contract is a good idea.

Mr. Schommer replied noted most other municipalities are joining the agreement, as many time by practice the entities have historically provided assistance regardless.

RECORD OF PROCEEDINGS

Bellbrook Charter Advisory Committee Meeting August 14, 2023

CITY MANAGER REPORT:

Mr. Schommer noted highlights including:

- -1st Movie Night at the Historical Museum to be held August 25, 2023. There will be lawn games, snacks and trivia.
- -Summer Fest Parade will be held August 19
- -The city is working with the Park District, Chamber, and Museum to add to the Christmas in the Park 2023. A working group started meeting and will be looking for Volunteers. He noted it was hopeful to have a lighting of the large tree in the park and a parade.
- -Community Clean up September 9, 2023.
- -Paving bids have been received and scheduling of the work will start soon.

Mr. Schommer provided an update and review of the final Streetscape project 1 bid documents. He noted the first project involves installing the mid-block crosswalks, the curb bumps outs, some landscaping and resurfacing of Frankl and Main Streets. He noted that the original estimates when starting the design had to be recalculated due to recent cost and related bid increases.

Mr. Harding asked why the bump-out on the Southside was twice the size on the Northside. Mr. Schommer replied due to traffic lanes widths and maintaining as much on street parking as possible.

Mr. Hoke asked regarding some of the areas not being touched in this project, how much of what is being installed now would be disturbed in Phase Two. Mr. Schommer noted this project follows the Streetscape Study and plan and is designed with future projects in mind.

Mr. Hoke asked about the curbs on the drawings, drainage, paving, and why these items were selected first. Mr. Schommer noted the priorities of pedestrian safety and walkability was decided to come first based on previous Council and community input.

Mr. Schommer discussed the Streetscape Project Bids with the council providing a review of certain pages of the bid documents.

Mayor Schweller asked if there were any more questions or discussions. None

Mr. Schommer stated the bid documents and packet will be built and brought for approval.

COMMITTEE REPORTS:

SAFETY:

Mr. Hoke provided updates on The Police Department finalizing plans for the Lions Summerfest. He also noted Ohio DPS did an audit of the traffic radar and lidar units and found no issues. He also announced Officer Bennington as the appointed School Resource Officer starting her work in the schools in the coming days.

RECORD OF PROCEEDINGS

Bellbrook Charter Advisory Committee Meeting August 14, 2023

SERVICE:

Mr. Greenwood mentioned the Service Department is going through the City and trimming overgrown trees in roadways and intersections for safety and visibility of school buses.

FINANCE/GOVERNMENT AFFAIRS:

None

COMMUNITY AFFAIRS:

Mrs. Middlestetter mentioned the need for three spots on the Museum Board and reviewed the new hours for the museum.

CITY OFFICIAL COMMENTS:

Mrs. Cyphers: None

Mr. Brady asked about the bridge repair work being on time as scheduled. Mr. Schommer noted there was a small workforce issue in the beginning, however, they are on track now.

Mr. Brady asked about Gionino's Pizzeria opening and if there were delays related to permitting. Mr. Schommer stated there were some changes made on the installation of some mechanicals that caused a re-review of the permits. The project is delayed.

Mr. Havens mentioned Gionino's Pizzeria and asked for Mr. Schommer to provide updates on his assessment once this business is opened. Mr. Schommer replied he would be happy to provide this update to the council once available.

Mr. Havens mentioned the Lions Club Summerfest August 18 and 19. He also noted the Lions Club has dedicated funds to build Eagleland 2.

Mr. Hoke mentioned school being back in session and asked residents to look out for children due to traffic changes.

Mrs. Middlestetter: None

Mr. Greenwood mentioned a meeting he attended with Greene Giving regarding starting the process to explore an expansion to Winter Library. He noted the discussion was around seeking funding for a future project.

Mayor Schweller had no additional comments.

Item A.Section 4, Item

RECORD OF PROCEEDINGS

Bellbrook Charter Advisory Committee Meeting August 14, 2023

EXECUTIVE SESSION:

Mayor Schweller asked for a Motion to enter Executive Session to consider the appointment, employment, dismissal, discipline, promotion, demotion, or compensation of a public employee or official.

Motion made by Mr. Havens, Seconded by Mr. Hoke

Voting Yea: Mrs. Cyphers, Mr. Greenwood, Mr. Harding, Mr. Havens, Mr. Hoke, Mrs. Middlestetter, Mayor Schweller.

Motion Carries

Council entered Executive Session at 7:40pm

Motion to exit Executive Session.

Motion made by Mr. Havens, Seconded by Mr. Hoke

Voting Yea: Mrs. Cyphers, Mr. Greenwood, Mr. Harding, Mr. Havens, Mr. Hoke, Mrs. Middlestetter, Mayor Schweller.

Motion Carries

Council exited executive session back into regular session at 10:00pm

ADJOURNMENT:

Hearing no further business coming before the adjourned at 10:00pm	Council, Mayor Schweller declared the meeting
Michael Schweller, Mayor	
Robert Schommer, Clerk of Council	

File Attachments for Item:

A. Resolution 2023-R-22 ACCEPTING THE AMOUNTS AND RATES AS DETERMINED BY THE BUDGET COMMISSION AND AUTHORIZING THE NECESSARY TAX LEVIES AND CERTIFYING THEM TO THE COUNTY AUDITOR (Cyphers)

RESOLUTION ACCEPTING THE AMOUNTS AND RATES AS DETERMINED BY THE BUDGET COMMISSION AND AUTHORIZ TAX LEVIES AND CERTIFYING THEM TO THE COUNTY AUDITOR

Item A.Section 10, Item

Ohio Revised Code 5705

The legislativ	e authority of	Bellbrook (nty, Ohio, met in		
session on present:	Date	Subdivision Nan	Bellbrook City Subdivision Name	with the followin	Regular/Special g members	
	Who made the motion	moved the adoption of	f the following resolution:			
RESOLVED,	by the legislative authori	ty of	Bellbrook City Name of Subdivision	, Greene County, Ohio in accord	ance with	
the provisions of law has previously adopted a tax budget for the next succeeding fiscal year commencing January 1, 2023 and						
Whereas, the	Budget Commission of G	reene County , Ohio ha	s certified its action thereon t	to this legislative authority toget	ner	
with an estim	nate by the County Auditor	of the rate of each tax	necessary to be levied by thi	s legislative authority, and what		
part thereof i	s without, and what part v	within, the ten mill limi	tation; therefore be it			
Resolved,	by the legislative authori	ty of	Bellbrook City Subdivision Name	, Greene County, Ohio, that the	amounts and	
rates, as dete	ermined by the Budget Cor	nmission in its certifica	tion, be and the same are her	eby accepted, and be it further		
Resolved,	that there be and is herel	by levied on the tax dup	olicate of said	Bellbrook City	1	
the rate of ea	ach tax necessary to be lev	ied within and without	the ten mill limitations as fol			

					COM/IND		
				AG/RES	Effective Tax		CY2024 Official
Subdivision/Authoritzed Rate/ Levy	Base			Effective Tax	Rate	Total Estimated	Cert of Est Res
Туре	Year	Last Voted	Period	Rate TY2023	TY2023	Value TY2023	Tax Cert
Bellbrook City							
2.70 General	n/a	Inside	n/a	2.700000	2.700000	274,289,999	729,000
1.30 General	2007	11/2/2021	2022-2026	0.815213	1.107633	274,289,999	226,000
4.00 Total General				3.515213	3.807633		955,000
0.30 Police Pension	n/a	Inside	n/a	0.300000	0.300000	274,289,999	81,000
3.90 Fire	1998	11/3/1998	Indef	1.976223	2.465920	274,289,999	550,000
2.00 Fire	2009	5/5/2009	Indef	1.277452	1.704051		354,000
1.75 Fire	2018	5/8/2018	Indef	1.197389	1.491045		330,000
7.65 Total Fire				3.253675	5.661016		1,234,000
3.90 Police	2006	11/7/2006	Indef	2.437317	3.322899	274,289,999	677,000
2.90 Police	2011	11/8/2011	Indef	1.852306	2.470874	274,289,999	514,000
2.50 Police	2003	11/4/2003	Indef	1.452825	2.067707	274,289,999	406,000
9.30 Total Police				5.742447	7.861480		1,597,000

Resolved,	the Clerk of this legislative a	authority is hereby dire	ected to certif	y a copy of thi	s resolution to the Auditor of	
said County						
	ţ ca	alled upon its adoption	the vote resu	lted as follow	s:	
	Motion Seconded					
		-				
	Legislative Member			Vote		
		-				
	Legislative Member	-		Vote		
	Legislative Member			Vote		
		-				
	Legislative Member	_		Vote		
	Legislative Member			Vote		
		-				
	Legislative Member		ı	Vote		
	Legislative Member	-		Vote	l.	
Adopted on						
	Date					
					Clerk/Fiscal Officer	
					Bellbrook City	
					Subdivision Name	
					Greene County Ohio	
		CER	TIFICATE OF C	ОРУ		
			ORIGINAL ON FILE			
The State of (Ohio, Greene County, ss.					
The State of C	onio, dreene county, ss.					
l,		-	, Clerk of		Bellbrook City	
	Clerk/Fiscal Office				Subdivision Name	
n said Count	y, and in whose custody the	Files and Records of			Bellbrook City Subdivision Name	_
are required	by the laws of the State of O	hio to be kept, do here	eby certify tha	t the foregoin	g is taken and copied from the	
nriginal minu	tes now on file with	Bellbrook Cit	tv	that the fore	egoing has been compared by me with said	
original milita		Subdivision Name	- 7	, that the fore	some masseem compared by me man said	
original docu	ment, and that the same is a	true and correct copy	thereof.			
Witness	my signature					
		Date				
					Clerk/Fiscal Officer	
					Bellbrook City	

Subdivision Name

Resolution No. 2023-R-22

August 28, 2023

City of Bellbrook State of Ohio

Resolution No. 2023-R-22

ACCEPTING THE AMOUNTS AND RATES AS DETERMINED BY THE BUDGET COMMISSION AND AUTHORIZING THE NECESSARY TAX LEVIES AND CERTIFYING THEM TO THE COUNTY AUDITOR

WHEREAS, this Council, in accordance with the provisions of law, has previously adopted a Tax Budget for the next succeeding fiscal year commencing January 1, 2024; and

WHEREAS, the Budget Commission of Greene County, Ohio, has certified its action thereon to this Council together with an estimate by the County Auditor of the rate of each tax necessary to be levied by this Council, and what part thereof is without, and what part within the ten mill tax limitation.

NOW, THEREFORE, THE CITY OF BELLBROOK HEREBY RESOLVES:

- Section 1. That the amounts and rates, as determined by the Budget Commission in its certification, be and the same are hereby accepted.
- Section 2. That there be and is hereby levied on the tax duplicate of said City the rate of each tax necessary to be levied within and without the ten mill limitation as attached hereto.
- Section 3. That the Clerk of this Council be, and is hereby directed to certify a copy of this Resolution to the County Auditor of said County.
- Section 4. That it is found and determined that all formal actions of the City Council relating to the adoption of this Resolution were adopted in an open meeting of this Council, and that all deliberations of this Council and any of its committees that resulted in such formal action, were in meetings open to the public, in compliance with all legal requirements, including §121.22 of the Revised Code of the State of Ohio.

Section 5. That this resolution shall take effect and be in force forthwith.

PASSED BY City Council this 28th day of August 2023.

_____ Yeas; ____ Nays.

AUTHENTICATION:

Michael W. Schweller, Mayor

Robert Schommer, Clerk of Council



DAVID A. GRAHAM

Greene County Auditor 69 Greene Street Xenia, Ohio 45385 (937) 562-5065 (937) 426-1779 ext.5065 Fax (937) 562-5079 Main Office
Homestead Info
Real Estate
Accounting/Payroll
Manufactured Home

Item A.Section 10, Item

562-5620 562-5074

August 24, 2023

Township, Municipal and Other Taxing Districts with a December 31st Year end

On August 22, 2023, the Greene County Budget Commission convened to set the tax rates for tax year 2023. Included with this notice is the Official Certificate of Estimated Resources for your records and the Resolution Accepting the Amounts and Rates which will need to be approved by the legislative authority and returned to me before October 1, 2023.

The tax rates appearing on the resolution accepting rates are tentative. Levies for bonds may be adjusted once final valuations are established and of course any levies on the November ballot that are applicable to tax year 2023 will be added to the tax duplicate.

A number of subdivisions have a significant cash balance. For the last several years the Budget Commission has encouraged the establishment of budget stabilization funds. While we still believe you should give serious consideration to establishing these stabilization funds, we also ask that you look at your need for your property tax levies. As you know, tax year 2023 is a valuation update year and we are looking at valuation increases in excess of 25%. Many subdivisions will see significant increases in the property tax revenue (levies from inside millage) that may be in excess of your needs. We encourage you to review the need for your levies and if all of the levy is not needed, request the Budget Commission to reduce the rate.

Feel free to contact me if you have any questions.

Sincerely,

David A. Graham Greene County Auditor

David A. Graham

Secretary of Greene County Budget Commission

Enclosures

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OFFICIAL CERTIFICATE OF ESTIMATED RESOURCE

The Budget Commission of Greene County, Ohio, hereby makes the following Official Certificate of Estimated Resources for the City of Bellbrook for the FISCAL YEAR beginning January 1, 2024

17,355,510	5,029,779	442,375	129,055	0	3,424,625	8,329,676	Total All Funds
99,033	21,000	0	0	0	0	78,033	Trust and Agency Funds
	· · · · · · · · · · · · · · · · · · ·						Fiduciary Fund Type
0	0	0	0	0	0	0	Internal Service Funds
6,387,491	2,266,200	0	0	0	0	4,121,291	Enterprise Funds
							Proprietary Fund Type
1,261,000	1,261,000	0	0	0	0	0	Capital Project Funds
0	0	0	0	0	0	0	Debt Service Funds
5,242,506	1,087,848	323,000	0	0	2,589,000	1,242,658	Special Revenue Funds
4,365,480	393,731	119,375	129,055	0	835,625	2,887,694	General Fund
	学校の表記的なおりませる。						Governmental Fund Type
Total	Sources	Tax Exemption	Money	Tax	Tax	1/1/2024	
	Other	Personal Property	Government	Property	Property	Balance	Fund
		Homestead,	Local	Personal	Real Estate	Unencumbered	
		Rollback,				Estimated	
							Ite

amount of appropriation from such fund estimate of the rate of each tax necessary to be levied within and outside the 10 mill limitation is set forth in the proper columns of the preceding pages, and the total amount approved for each fund must govern the The Budget commission further certifies that its action on the foregoing budget and the County Auditor's

8/15

DATE

5 , 2024

Budget Commission

Bellbrook City

OFFICIAL CERTIFICATE OF ESTIMATED RESOURCE - continued

5,242,506	1,087,848	323,000	0	0	2,589,000	1,242,658	Total Special Revenue
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392,729	50,000	0	0	0	0	342,729	Motor Vehicle License Fund #280
9,107	1,200	0	0	0	0	7,907	Fuel System Fund #240
136,239	28,000	0	0		0	108,239	State Highway Fund #220
574,004	356,700	0	0			217,304	Street Fund #210
	13,000	10,125		0	70,875	17,680	Police Pension Levy Fund #270
	221,193	113,250	0	0		475,845	Fire Levy Fund #250
2,087,709	417,755	199,625		0	1,397,375	72,954	Police Levy Fund #230
200 200							Special Revenue Funds
							- ALALAS - A
4,365,480	393,731	119,375	129,055	0	835,625	2,887,694	Total General Fund
0						1,000	Geral
4,365,480	393,731	119,375	129,055	0	835.625	2 887 694	Ceneral Fund
							General Fund
							ज्ज्vernmental Fund Type
otal	Sources	Tax Exemption	Money	Tax	Tax	1/1/2024	(List all fund individually)
!	Other	Personal Property	Government	Property	Property	Balance	Fund
)	Homestead,	Local	Personal	Real Estate	Unencumbered	4. <i>S</i> 6
		Rollback,				Estimated	ectio
		Idea	OFFICIAL CERTIFICATE OF ESTIMATED RESOURCE - COMMISSES	E OF ESTIMATED	CIAL CERTIFICAT	C	on 10
			חבים ווחכים המידי), It
14							em —
<u> </u>							

OFFICIAL CERTIFICATE OF ESTIMATED RESOURCE - continued

Capital Car		m A.Section 10,	Iten
Total Capital Projects Funds Capital Outlay Total	Debt Service Funds	Fund (List all fund individually)	
		Estimated Unencumbered Balance 1/1/2024	OFF
		Real Estate Property Tax	OFFICIAL CERTIFICATE OF ESTIMATED RESOURCE - continued
		Personal Property Tax	E OF ESTIMATED
		Local Government Money	RESOURCE - cont
		Rollback, Homestead, Personal Property Tax Exemption	inued
1,261,000		Other Sources	
1,261,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Total	1.5

OFFICIAL CERTIFICATE OF ESTIMATED RESOURCE - continued

Control of the Personal	5,029,779	442,375	129,055	0	3,424,625	8,329,676	Total for Memorandum Only
	0					78,033	Total
Estimated Hersonal Hersonal						78,033	Trust & Agency Funds Performance Bond Agency Fund
Estimated Characteristic Character	0						Total
Estimated Claimated Claimater Clai							Non-Expendable Trust Funds
Estimated Unencumbered (List all fund individually) Hoperty (Hoperty (Hope	0						Total
Estimated Unencumbered Real Estate Personal Local Unencumbered Real Estate Personal Local Local Enterprise Funds Unencumbered Property Property Property Property Money Mone							Fiduciary Fund Type Expendable Trust Funds
Estimated Cocal	0						Total
Estimated Unencumbered Real Estate Personal Local Local Enterprise Fund Enterprise Fund #610 152,604 Waster Fund #620 3,968,687 Total 4,121,291 0 0 0 0 0 0 0 0 0							Internal Service Funds
Estimated Fund Coal Co	0					4,121,29	Total
Estimated Unencumbered Real Estate Personal Local Fund Balance Property Property Government (List all fund individually) 1/1/2024 Tax Tax Money Enterprise Funds	0 0					152,60 ⁴ 3,968,68	Waste Collection Fund #610 Water Fund #620
Estimated Unencumbered Real Estate Personal Local Fund Balance Property Property Government (List all fund individually) 1/1/2024 Tax Money							bprietary Enterpri
	ack, tead, Property	Rollback, Homestead, Personal Property Tax Exemption	Local Government Money	Personal Property Tax	Real Estate Property Tax	Estimated Unencumbered Balance 1/1/2024	

File Attachments for Item:

B. Resolution 2023-R-21 AUTHORIZING MERIT AND PERFORMANCE PAY FOR THE CITY MANAGER (Schweller)

Resolution No. 2023-R-21

August 28, 2023

City of Bellbrook State of Ohio

Resolution No. 2023-R-21

AUTHORIZING MERIT AND PERFORMANCE PAY FOR THE CITY MANAGER

WHEREAS, City Council has evaluated the performance of the City Manager and determined standards and expectations have been met or exceeded; and

WHEREAS, the employment agreement allows consideration on an annual basis for merit/bonus pay dependent on the results of a performance evaluation.

NOW, THEREFORE, THE CITY OF BELLBROOK HEREBY RESOLVES:

- Section 1. The Mayor is authorized to submit a merit and performance bonus for the City Manager in accordance with Section 4 (D) of the employment agreement in the amount of 10% of his base pay which will be exclusive of the current base salary with no other adjustments or increases to the current salary and benefits.
- Section 2. That it is found and determined that all formal actions of the City Council relating to the adoption of this Resolution were adopted in an open meeting of this Council, and that all deliberations of this Council and any of its committees that resulted in such formal action, were in meetings open to the public, in compliance with all legal requirements, including §121.22 of the Revised Code of the State of Ohio.

Robert Schommer, Clerk of Council

File Attachments for Item:

C. Resolution 2023-R-23 AUTHORIZING THE CITY MANAGER TO SOLICIT, ADVERTISE, AND RECEIVE PROPOSALS FROM QUALIFIED FIRMS TO PROVIDE MATERIALS AND PERFORM SERVICES RELATED TO THE CONSTRUCTION AND INSTALLATION OF MID-BLOCK CROSSWALKS, PAVEMENT, CURBING, LANDSCAPING AND ALL NECESSARY AND RELATED APPURTENANCES WITHIN THE CITY (Harding)



City of Bellbrook

15 East Franklin Street
Bellbrook, Ohio 45305
T (937) 848-4666
F (937) 848-5190
www.cityofbellbrook.org

And INSTRUCTIONS RFP 2023-01

City of Bellbrook Franklin and Main Street Improvements

The City of Bellbrook, a municipal corporation, is seeking bids from qualified firms for the construction of mid-block crosswalks, repaving, curbing, landscape and all other necessary appurtenances to the Franklin and Main Street area of Downtown Bellbrook.

Attached to this RFP are the listed Instructions for Bidders/Offerors in the first ten (10) pages of this document. All potential bidders must thoroughly review and certify their understanding of the Instructions and this RFP process.

GENERAL INSTRUCTIONS TO BIDDERS/OFFERORS

For the purposes of this Document, the terms "Bid" and Proposal" have the same meaning, and the terms "Bidder, Offeror, Contractor, Vendor" are intended to mean the company or firm who is the respondent Bidder for this RFP.

- The following instructions are to be considered an integral part of this proposal. Unless otherwise requested, three (3) complete copies of the written proposal need be submitted. The person signing the bid/proposal form must initial any changes or corrections made to this proposal.
- No proposal may be withdrawn or modified in any way after the bid/proposalopening deadline. **Quotes must remain valid for ninety (90) days after the quote date.** Quotes submitted with a less than ninety (90) day validity will be found non-responsive and will not be considered.
- All bids/proposals must be a final cost.
- Bids/Proposals will be received no later than <u>4:00pm September 12. 2023</u> at the City of Bellbrook 15 E. Franklin Street Bellbrook, Ohio 45305 at which time they will be opened and publicly read aloud. Bids/proposals received after the above date and time, or in any other location other than the City of Bellbrook City Hall as noted above will not be considered.
- A Request for Proposal packet may be obtained from the City of Bellbrook 15 E. Franklin Street Bellbrook, Ohio 45305 or from www.cityofbellbrook.org
- A Pre-Bid/Proposal meeting may be scheduled upon request at City Hall for the City of Bellbrook 15 E. Franklin Street Bellbrook, Ohio 45305, and a site visit will be available on request.
- If descriptive literature is attached to the bid/proposal, bidder's name must appear on all sheets.
- A cover letter must be attached in the form of a standard business letter containing the Contractor's name, address and telephone number and must be signed with an original signature, in ink, by an individual authorized to legally bind the Contractor. The letter must contain the following information:
 - A statement describing the Contractor's legal structure (e.g. corporation, partnership) and providing federal tax identification number and principle place of business.
 - A statement that the person signing the quote certifies that he or she is the person in the Contractor's organization who has actual authority to make decisions as to matters relating to this RFP and to bind the Contractor.
 - o A statement that the quote meets the minimum qualifications set forth

- in this RFP and accepts all requirements and terms and conditions contained in this RFP.
- A statement that the Contractor does not discriminate in its employment practice with regard to race, color, age, religion, sex, veteran status, sexual preference, national origin, or disability
- A statement that no attempt has been made or will be made by the Contractor to induce any other person or firm to submit or not submit a quote.
- A statement that indicates whether the Contractor or any of its agents has a possible conflict of interest with any city employee involved in the RFP and any ensuing Contract(s) or any other conflict of interest and, if so, an explanation of the conflict must be given.
- Communication: If there is any question whatsoever regarding any portion of the instructions or specifications, it shall be the bidder's responsibility to seek clarification immediately from the City of Bellbrook No later than close of business on September 13, 2023 unless otherwise stated in the documents.

All questions shall be submitted in writing or via e-mail to the attention of Rob Schommer at rob@cityofbellbrook.org If mailed, the address is as follows: City of Bellbrook ATTN: RFP 2023-01, 15 E. Franklin Street Bellbrook, Ohio 45305. Answer(s) to all questions will be answered after the deadline for questions has expired, and posted to the City's web site, if applicable and feasible.

It shall be the bidder's responsibility to check the City's website (www.cityofbellbrook.org) for any and all addendums or modifications.

Under no circumstances should respondents contact City personnel or officials outside of the opportunity provided herein.

- Proprietary Information: Any information contained in the RFP response that is proprietary must be clearly designated. Marking of the entire response as proprietary will neither be accepted nor honored. The City cannot guarantee that all such material noted remains proprietary, particularly if it becomes a significant consideration in contract award. Information will be kept confidential only to the extent allowed by Public Records Laws of Ohio.
- Any variation from the specifications must be clearly stated by the bidder in writing and submitted with his/her proposal.
- The apparent silence of any specifications or any supplement specifications to any details or the omission of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail, and that only materials of first quality and correct type, size and design are to be used. All workmanship is to be of first quality. All interpretations of this specification shall be made upon the basis of this statement.

- The following bid shall be awarded to one bidder based on the specifications as provided for in Chapter 240 of the Bellbrook Code of Ordinances so the City can determine the "lowest and/or best bidder". An award shall be made to one vendor for the total bid. Unit prices and extensions will be verified, and total checked. Unit price extension and net total must be shown. Unit price shall prevail unless otherwise stated in the proposal.
- The process and description for opening, tabulating and awarding responses to RFP/bids is as follows:
 - (a) In the case of sealed competitive bids, the bids shall be opened and tabulated publicly by the City Manager. An investigation of the responsibility of the bidders and the responsiveness of the bid shall be made as the City Manager deems necessary. The City Manager shall determine the lowest and/or best bidder. The City may reject all bids if it determines that it is in the best interest of the City to do so.
 - (b) In the case of competitive proposals, the responses shall be opened publicly by the City Manager. The City may discuss the responses with the proposers to clarify responses and to obtain information needed by the City to determine the lowest and/or best proposal. An investigation of the responsibility of the proposers and the responsiveness of the proposal shall be made as the City Manager deems necessary. The City Manager shall determine the lowest and/or best proposal. The City may reject all proposals if it determines that it is in the best interest of the City to do so.
 - (c) In the case of two-step competitive proposals (RFQ/RFP), the technical responses shall be opened publicly by the City Manager. The City may discuss the responses with the proposers to clarify responses and to obtain information needed by the City to determine qualified proposers. An investigation of the responsibility of the proposers and the responsiveness of the proposal shall be made as the City Manager deems necessary.

The City Manager shall determine the qualified proposers. The qualified proposers shall then be invited to submit price proposals which shall be opened publicly by the City Manager. The City may discuss responses with the proposers to clarify responses and to obtain information needed by the City to determine the lowest and/or best proposal. If appropriate, the City may request best and final offers. The City Manager shall then determine the lowest and best proposal. The City may reject all proposals if it determines that is in the best interest of the City to do so.

* The City of Bellbrook reserves the right to accept, reject or waive any irregularities in the proposal and/or any and all bids received for the work contemplated herein and to accept or reject any or all proposals and/or bids. The proposal and/or bids will be compared on the basis of the total cost of the project and the award will be made to the lowest and/or best bidder (or bidders), provided the proposal and/or bid is reasonable and is in the best interest of the City (owner) to accept. In determining the lowest and best bid the City (owner), in its sole discretion, may consider factors, including but not limited to, the bidder's work history, (including work done under other names), experience,

conduct and performance on previous contracts, management skills, ability to execute the contract properly, customer satisfaction, work on comparable projects, ability to timely complete the work in accordance with the contract documents, the Bidder's financial condition and facilities, and the Bidder's compliance with federal, state, and local laws, rules, and regulations, (including but not limited to the Prevailing Wage Laws, Occupational Safety and Health Act, and the State of Ohio's Equal Employment Opportunity Commission requirements, as may be applicable).

- The City desires delivery of the material or services specified at the earliest possible time after the date of award. An unreasonable delivery proposal may be cause for disqualifying a bid. Each bidder shall state a definite time and avoid using terms such as "ASAP" or "approximately so many days".
- Insurance: The Contractor will maintain the following insurance from insurer(s) rated A- or better by A.M. Best in amounts sufficient to protect the Contractor and Owner from claims under Workers Compensation Acts and any other claims for property damage and/or bodily injury, including death, which may arise from the performance of the Work under this Subcontract, whether the Work is performed by the Subcontractor, its subcontractor, or anyone directly or indirectly employed by either of them.

Limits of coverage to be as follows:

(a)	Workers' Compensation Employers Liability/Ohio Stop Gap	Statutory \$ 1,000,000
(b)	Commercial General Liability: Bodily injury/property damage per occurrence General Aggregate Products/Completed Operations Aggregate	\$ 1,000,000 \$ 2,000,000 \$ 2,000,000
(c)	Commercial Automobile Liability: Combined Single Limit (including Owned, Hired, and Non-Owned Autos)	\$1,000,000
(d)	Excess/Umbrella Liability (over Employer's Liability, General Liability, and Auto)	\$ 1,000,000

Liability policy requirements. The General Liability policy must be written on the current edition of ISO form CG 00 01 or equivalent. The policy shall have no modifications limiting coverage for contractual liability, damage to work performed by subcontractors, residential construction, earth movement, explosion, collapse, or underground damage. The policy shall be endorsed to provide that the General Aggregate Limit applies separately to each of the insured Contractor's projects. The Owner (including its officers, directors and employees) shall be named as Additional Insured on the General Liability policy on ISO form CG 20 10 11 85 or its equivalent, affording coverage to Additional

Insured(s) for claims arising out of both ongoing and completed operations. Owner shall also receive coverage as an additional insured Contractor's Auto Liability policy. Contractor's policies shall be primary insurance as respects Owner, and any other insurance policy that Owner may have in effect shall be deemed excess and not contributory. The General Liability policy affording coverage to Owner as Additional Insured must be maintained for three (3) years after completion of the project. If any of the Work is performed by subcontractors, Contractor shall be responsible for ensuring subcontractors comply with these insurance requirements, and extend coverage to both Contractor and Owner as additionally insured.

Installation Floater. Contractor shall purchase and maintain an Installation Floater, covering loss or damage to materials and/or equipment suffered during the course of the Work. This insurance shall include the interests of the Owner, Contractor and any Subcontractors. The policy shall be written on special form and shall cover all materials specified for the job, whether onsite, offsite or in transit.

The Contractor will submit to the Owner certificates of insurance (including a certificate of compliance from the Ohio Bureau of Workers' Compensation for Ohio subcontractors) certifying that the insurance policies required by this agreement are in force and shall be maintained for the duration of the Project. Contractor shall also provide copies of additional insured endorsement(s) as required herein. Full copies of policies shall be provided upon Owner's request. Certificates shall reflect Owner's status as an additional insured and shall provide that Owner is to be provided thirty (30) days advance written notice in the case of cancellation or nonrenewal of the required policies (10 days if cancelled due to nonpayment of premium).

Until said certificate of insurance is properly executed and delivered to the City, the Contractor shall not move its equipment or laborers onto the premises or begin performance of the work specified under an awarded agreement. If the Contractor fails to provide the required insurance, the City of Bellbrook shall have the right to disqualify the Contractor. **Proof of insurance should be included in the submitted bid documents.**

- References: Contractor must provide five (5) references of customers with successful implementations of similar size and scope with work performed within the past five (5) years. Please include name, address, contact and phone number. If sub-contractors or business partners will be used in conjunction with the installation or maintenance of this project, please provide references as stipulated above. References should be included in bid documents
- Inspection: It is understood within this agreement that any problems such as equipment failure, unspecified maintenance, lack of performance and any other conditions outlined in the scope of service not performed by the Contractor will be under immediate review by the City of Bellbrook.

- License and Permits: It shall be the responsibility of the successful bidder to obtain all licenses and permits required to perform this service at no additional cost to the City of Bellbrook.
- Timeline: Provide an estimated, standard timeline for installation, implementation and creative design services. Timeline should be included in bid documents.
- Configuration and Pricing: Bidder must itemize all charges for individually identifiable components of the proposed system, including all associated installation, programming and training if applicable. Bidder must include charges for all components required to connect any applicable applications.

RFP Checklist:

Please review and check off these 10 most important items to consider when responding to an RFP for the City of Bellbrook:

Read the <u>entire</u> document. Note critical items such as: mandatory requirements; supplies/services required; submittal dates; number of copies required for submittal; contract requirements (i.e., contract performance, insurance requirements, performance and/or reporting requirements, etc.).
Note the procedures for communication with the City during the RFP process. All communication during the RFP process must be in writing. Offerors should not contact City personnel or officials outside of the opportunity provided in the document.
Attend the pre-proposal conference if one is offered. These conferences provide an opportunity to ask clarifying questions, obtain a better understanding of the project, or to notify the City of any ambiguities, inconsistencies, or errors in the RFP.
Take advantage of the "question and answer" period. Submit your questions by the due date listed and view the answers given in the formal "addenda" issued for the RFP. All addenda issued for an RFP are posted on the City's website and will include all questions asked and answered concerning the RFP.
Follow the format required in the RFP when preparing your response. Provide point-by-point responses to all sections in a clear and concise manner.
Provide complete answers/descriptions. Read and answer all questions and requirements. Don't assume the City or the evaluating staff will know what your company capabilities are or what items/services you can provide, even if you have previously contracted with the City of Bellbrook. The proposals are evaluated based solely on the information and materials provided in your response.
Use the forms provided, if any. e.g., bidders submittal page, reference forms, attachment forms, etc.

Before submitting your response, check the City's website at: www.cityofbellbrook.org to see whether any addenda were issued for the RFP.
Review and read the RFP document again to make sure that you have addressed all requirements. Your original response and the requested copies must be identical and be complete. The copies are provided to the evaluating staff members and will be used to score your response.
Submit your response on time. Note all the dates and times listed in the RFP and be sure to submit all required items on time. Late proposal responses are <i>never</i> accepted.

Please Note:

All potential contractors are strongly urged to submit supporting documentation as to their qualifications to perform the Scope of Work.

Certificate of Insurance, Reference List and Timeline must be attached.

If additional comments or conditions are desired, please attach a separate sheet providing details.

Include all proposed equipment specifications; showing manufacturer name, model, etc. depicting unit specifications and other pertinent information.

Certification:

The undersigned on the Bid Proposal certifies that the Instructions to Bidder has been carefully examined, is thoroughly familiar with the terms and specifications applicable to and made part of this Request for Proposal, and understands and is capable of meeting the provisions within to the quality, type and grade of work requested. The undersigned further certifies the prices shown in the schedule of items contained within the Proposal/Bid are in accordance with the conditions, terms and specifications of the proposal and that any exception taken thereto may disqualify the bid.

Signature	Date
Print Name	Title
Email Address	Phone
Company Name	

City of Bellbrook Request for Proposals RFP 2023-01

Advertised as: Franklin and Main Street Improvements

Release Date: <u>August 29, 2023</u> Closing Date: <u>September 15, 2023</u>

The City of Bellbrook, a municipal corporation, is seeking bids from qualified firms for the construction of mid-block crosswalks, repaving, curbing, landscape and all other necessary appurtenances to the Franklin and Main Street area of Downtown Bellbrook.

1. General Information

- 1.1. The City of Bellbrook invites qualified firms to submit proposals for the construction of mid-block crosswalks, repaving, curbing, landscape and all other necessary appurtenances as designated in the attached project construction documents. Proposals shall be submitted in accordance with the Documents and Requirements as set forth in this formal "Request for Proposals." The Contract that will result from this "Request for Proposals" will include what is indicated in Section 4 "Scope of Work" of this RFP.
- 1.2. A City Review and Selection Committee will evaluate the proposals submitted.
- 1.3. During evaluation, the City Review and Selection Committee reserves the right, where it may serve the City's best interest, to request additional information or clarification from the Offeror, or to allow corrections of errors or omissions. Oral interviews may be conducted by the City Review and Selection Committee for the Contractors who submit a Proposal and were short listed.
- 1.4. Submission of a proposal indicates acceptance by the Offeror of the conditions contained in this Request for Proposals, unless clearly and specifically noted in the proposal submitted and confirmed in the resultant contract between the City of Bellbrook and the Contractor selected.
- 1.5. There is no expressed or implied intent or obligation for the City of Bellbrook to reimburse responding firms for any expenses incurred in preparing proposals, as well as, travel expenses during interviews in response to this Request for Proposals.
- 1.6. The City of Bellbrook shall reserve the right to terminate any agreement resultant from this solicitation and subsequent action for cause but not limited to inadequacy of performance.

2. Contact Person/Communication

2.1. Until the receipt and opening of proposals, the proposers' principal contact with the City of Bellbrook will be as listed below. All questions are to be submitted in writing and potential Bidders will receive copies of all questions and answers except for the questions that are considered proprietary. Questions will only be received through <u>September 13</u>, 2023

Rob Schommer
City of Bellbrook
15 E. Franklin St.
Bellbrook, Ohio 45305
Email: rob@cityofbellbrook.org

2.2. All contacts and communication regarding the proposal should be with the above named individual only. Bidders contacting other City Staff or Officials may be disqualified for doing so.

3. Background Information

3.1. The City of Bellbrook a municipal corporation, is seeking bids from qualified firms for the construction of mid-block crosswalks, paving, curbing, landscaping and all other necessary appurtenances in the Downtown area of Bellbrook. The City has previously commissioned a study to address the Streetscape of the downtown area including an emphasis on walkability and pedestrian safety. This project is designed to be one phase of several projects to fully implement the design and plans of the Streetscape Study.

4. Scope of Work

- 4.1. The following is a list of provisions and requirements falling under the expected Scope of Work:
 - Construction of mid-block crosswalks, repaving, curbing, landscaping, hardscaping, and all other necessary appurtenances in accordance to the Construction Documents contained herein as Attachment A

5. RFP Requirements:

- 5.1. Submitting RFP Proposal packages:
 - a) Offeror will submit a comprehensive and thorough written plan for construction of the crosswalks, repaving, curbing, landscaping, etc as detailed in the Construction Documents as referenced in Attachment A. Pricing must be listed on the proposal, and no sales tax should be included.

6. Evaluation of Proposals and Required Information

- 6.1. Proposals submitted will be evaluated by the City Review and Selection Committee.
- 6.2. The Committee may call for oral interviews. The City reserves the right to retain all proposals submitted and use and idea in a proposal regardless of whether or

- not said proposal is selected.
- 6.3. The evaluation factors considered in the selection process will weigh heavily into the City's decision making process. These evaluation requirements are considered to be minimum requirements. More points may be awarded for exceeding the minimum requirements.

7. Right to Reject Proposals

- 7.1. Submission of proposals indicates acceptance by the Offering Firm of the Conditions contained in this RFP, unless clearly and specifically noted in the proposal submitted and confirmed in the subsequent Agreement between the City of Bellbrook and the selected firm.
- 7.2. The City of Bellbrook reserves the right to reject any or all proposals and to award to the proposer the City determines to be most qualified and whose award of the contract will be in the best interests of the City.
- 7.3. Late proposals will not be accepted. Offerors are held responsible that their proposals arrive at the City of Bellbrook on or before the designated date and time.

8. Withdrawal of Proposals

8.1. Requests to withdraw proposals received after the date and time set for bid opening will not be considered. Only requests to withdraw proposals prior to that date and time will be considered.

9. Contract Termination

9.1. The City of Bellbrook reserves the right to terminate any subsequent Agreement or Contract as a result of this RFP if the Contractor does not perform as required by the Terms and Conditions therein.

*** END OF DOCUMENT ***

ATTACHMENT A

BEGIN WORK 11+18.91 END WORK 35+62.47

LOCATION MAP

LATITUDE: 39 °38'10" LONGITUDE: -84°04'15"

PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

FRANKLIN AND MAIN STREET IMPROVEMENTS

GREENE COUNTY CITY OF BELLBROOK

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC	2
TYPICAL SECTIONS	3 - 4
GENERAL NOTES	5 - 6
MAINTENANCE OF TRAFFIC	7
GENERAL SUMMARY	8 - 9
PLAN SHEETS	10 - 23
CURB BUMP OUT DETAILS	24 - 25
INTERSECTION DETAILS	26 - 27
TRAFFIC CONTROL	28 - 42
LANDSCAPE ARCHITECTURE PLANS	43 - 47

Contact Two Working Days Before You Dig Before You Dig OHIO811, 8-1-1, or 1-800-362-2764

(Non members must be called directly)

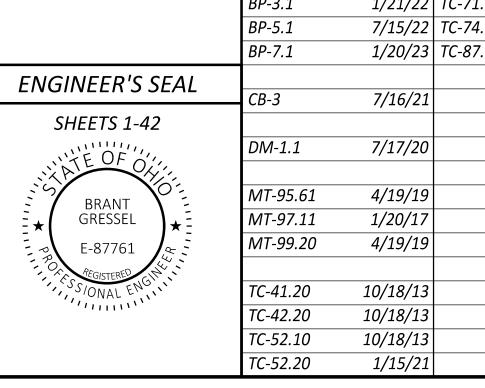
UNDERGROUND UTILITIES

PLAN PREPARED BY:



LJB Inc. 2500 Newmark Drive Miamisburg, OH 45342 (866) 552-3536 | LJBinc.com

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	STANDARD CONSTRUCTION DRAWINGS				SPECIFICATIONS		PROVISIONS	
BP-3.1	1/21/22	TC-71.10	4/21/23			800-2023	7/21/2023	
BP-5.1	7/15/22	TC-74.10	1/20/23			832	7/15/22	
BP-7.1	1/20/23	TC-87.10	7/21/23					
CB-3	7/16/21							
DM-1.1	7/17/20							
MT-95.62								
MT-97.11	<u> </u>							
MT-99.20	0 4/19/19							
TC-41.20								
TC-42.20								
TC-52.10								
TC-52.20	1/15/21							

FEDERAL PROJECT NUMBER

RAILROAD INVOLVEMENT

N/A

PROJECT DESCRIPTION

THIS PROJECT WILL MILL AND OVERLAY APPROXIMATELY 2,400 FT OF FRANKLIN STREET AND 4,500 FT OF MAIN STREET WITHIN THE CITY'S DOWNTOWN CORE. SEVERAL EXISTING CURB RAMPS WITHIN THE LIMITS WILL BE IMPROVED TO MEET ADA REQUIREMENTS. ENHANCED CROSSWALKS WILL ALSO BE CONSTRUCTED AT A CROSSING ON FRANKLIN ST AND THE WALNUT ST AND MAIN ST INTERSECTION.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.25 ACRES **ACRES** ESTIMATED CONTRACTOR EARTH DISTURBED AREA: NOTICE OF INTENT EARTH DISTURBED AREA:

* NOI NOT REQUIRED - PROJECT EDA < 1 ACRE

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

ROB SCHOMMER, BELLBROOK CITY MANAGER

ESIGN AGENCY



ESIGNER REVIEWER BMG 07/19/23

SHEET

TITLE

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DESIGN	AGENCY

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DESIGN	ER
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PROJECT CONTROL COORDINATES						
POINT NO.	GRID		GROUND		ELEVATION	DESCRIPTION
	NORTHING	EASTING	NORTHING	EASTING		
CP1	599391.20	1527676.12	599391.16	1527676.24	766.55	3"LJB CTRL Disk
CP2	600171.20	1526223.43	600171.23	1526223.43	798.10	3"LJB CTRL Disk
CP3	598128.26	1526056.03	598128.11	1526056.02	772.54	3"LJB CTRL Disk
CP4	599825.69	1525022.71	599825.69	125022.61	792.92	3"LJB CTRL Disk

PROJECT CENTERLINE COORDINATES - GROUND						
NORTHING	EASTING	STATION	DESCRIPTION			
599802.381	1525003.275	10+00.00	POT			
599775.006	1525348.958	13+46.76	PI			
599664.732	1526786.477	27+88.51	PI			
599631.269	1527294.142	32+97.27	PC			
599622.998	1527419.620	34+23.02	PI			
599549.051	1527521.331	35+42.10	PT			
599387.114	1527722.045	38+00.00	POT			

PROJE	CT CENTERLINE	COORDINATES	S - GROUND
NORTHING	EASTING	STATION	DESCRIPTION
597753.572	1525990.491	10+00.00	POT
598247.006	1526033.550	14+95.31	PI
598619.73	1526064.214	18+69.29	PI
598800.432	1526077.938	20+50.52	PI
599023.743	1526095.789	22+74.54	PI
599381.89	1526125.328	26+33.90	PI
599993.609	1526174.922	32+47.63	PI
600459.775	1526204.386	37+14.72	PI
600590.694	1526216.4	38+46.19	PI
600800.943	1526240.106	40+57.77	PI
601127.16	1526267.53	43+85.14	PI
602112.368	1526344.137	53+73.32	PI

FRANKLIN AND MAIN STREET IMPROVEMENTS

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 8/11/2023 TIME: 2:32:43 PM USER: bgressel
Q:\City of Bellbrook\0125940A.00 - Franklin & Main Resurfacing\125940\400-Engineering\Roadway\Sheets\125940_

PI STA. 53+73.32 PI STA. 53+73.32 END WORK STA. 53+64.73 OS PI STA. 53+64.73	
PI STA. 43+85.14 PI STA. 40+57.77 PI STA. 38+46.19 PI STA. 37+14.72 PI STA. 34+23.02 A = 32*14'50" RT Dc = 13*10'17" PC R = 435.00' STA = 244.83' DC = 10 CP-04 PI STA. 32+47.63 CP-02 SS5*28'20"E SS5*28'20"E SS5*36'48"E FRANKLIN STREET (SR 725) CURVE DATA PI STA. 34+23.02 A = 32*14'50" RT Dc = 13*10'17" PC R = 435.00' SS 5*28'20"E SS5*36'48"E FRANKLIN STREET (SR 725)	Òg
## STA. 12+51.63 PI STA. 22+74.54 PI STA. 20+50.52 PI STA. 14+95.31 PI STA. 10+00.00 PI STA. 10+00.00 PI STA. 26+33.90 N04°38'06"E 38'06"E 38'0	

ITEM 441 - 1 $\frac{1}{2}$ " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22

ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.055 GAL/SY)

ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)

ITEM 304 - 8" AGGREGATE BASE (PLACED IN TWO EQUAL COURSES)

ITEM 441 - $2\frac{1}{2}$ " ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)

ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.085 GAL/SY)

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (1 $\frac{1}{2}$ ")

F ASPHALT CURB

G BARRIER CURB

H CURB AND GUTTER

STA. 12+51.63 LT TO 17+85.78 LT

STA. 12+51.63 RT TO 14+22.10 RT

STA. 16+25.66 RT TO 19+60.35 RT

STA. 14+22.10 RT TO 16+25.66 RT

STA. 17+85.78 LT TO 25+21.03 LT STA. 19+60.35 RT TO 25+21.03 RT

STA. 33+26.21 LT TO STA. 34+93.05 LT

ITEM 608 - 4" CONCRETE WALK

ITEM 609 - CURB, TYPE 6

ITEM 659 - SEEDING AND MULCHING

ITEM 204 - SUBGRADE COMPACTION

ITEM 608 - WALKWAY, MISC: SIDEWALK PAVERS (SEE GENERAL NOTES, SHEET 5)

LEGEND

ITEM 611 - SPECIAL - TRENCH DRAIN (SEE GENERAL NOTES, SHEET 5)

EXISTING PAVEMENT

EXISTING CURB

EXISTING CURB AND GUTTER

EXISTING WALK

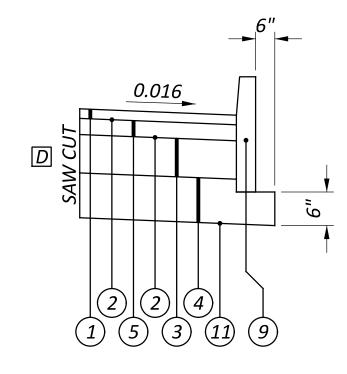
A MATCH EXISTING BACK OF WALK

D THE EXISTING PAVEMENT EDGES SHALL BE SAW CUT EITHER 1 FT INTO THE EXISTING PAVEMENT OR 2 FT FROM THE PROPOSED CURB, WHICHEVER IS GREATER, TO LOCATE A SOUND PAVEMENT EDGE. FOR ESTIMATING PURPOSES, QUANTITIES INCLUDED IN THE PLAN INDICATE AN AVERAGE WIDTH OF 1 FT OF EXISTING PAVEMENT BEING REPLACED.

© CONSTRUCTION FRANKLIN STREET 2' 2' 6.75' 2.00′ 5.00′ 13.00' 13.00' AW CL 1.56% A 1.56% 1.56% 2.00% 1.56% ****** 9 10

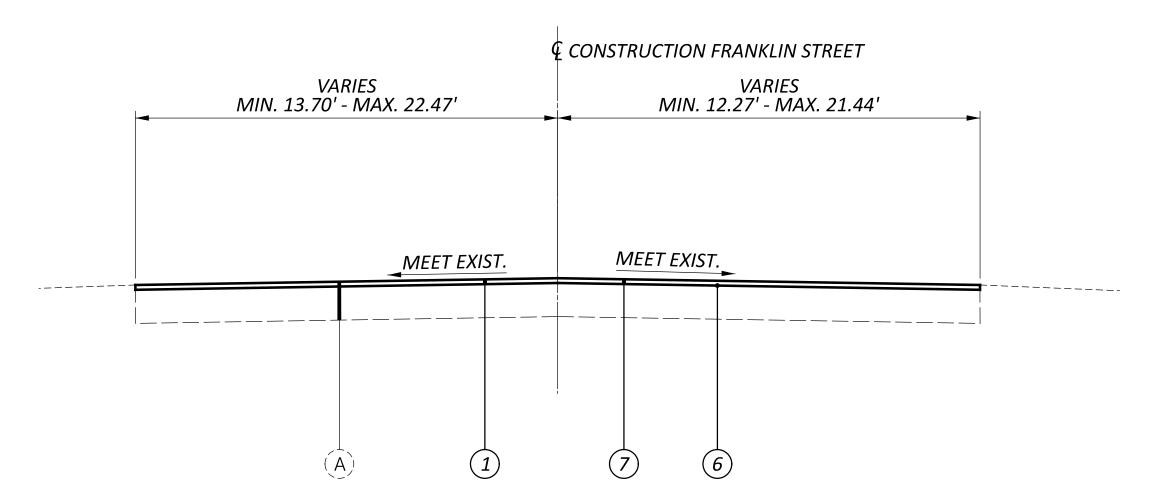
FRANKLIN STREET CURB BUMP OUT (SEE SHEET 24)

STA. 15+07.08 RT TO STA. 16+04.58 RT STA. 15+55.49 LT TO STA. 16+31.09 LT



** FULL DEPTH PAVEMENT BUILD UP DETAIL (NOT TO SCALE)

♥ CONSTRUCTION FRANKLIN STREET **VARIES** MIN. 17.53' - MAX. 25.15' MIN. 16.71' - MAX. 22.39' MEET EXIST. MEET EXIST. F G H F G H FRANKLIN STREET CURB SECTION STA. 12+51.63 TO STA. 25+21.03 STA. 33+26.21 TO STA. 34+93.05



FRANKLIN STREET UNCURBED SECTION

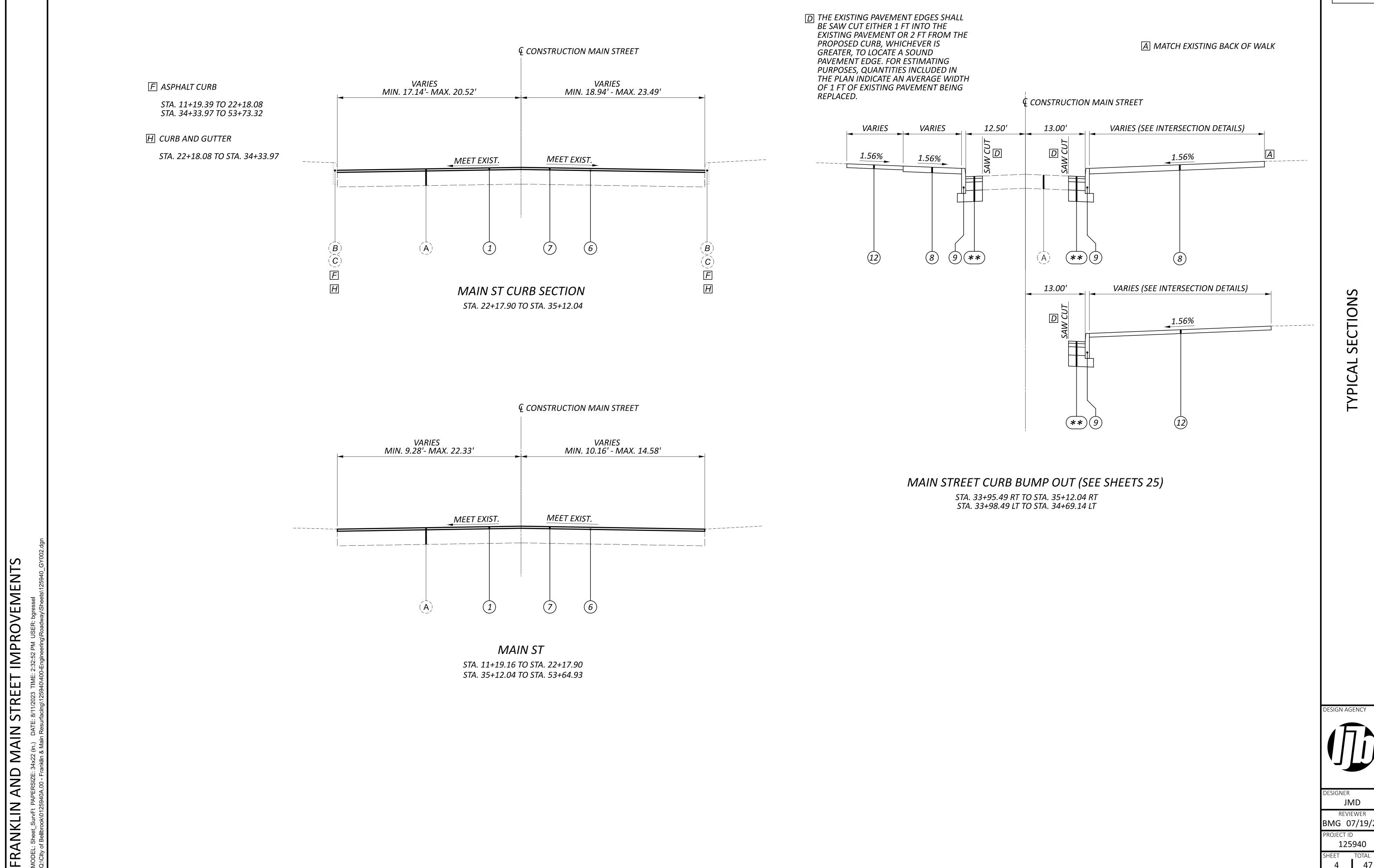
STA. 25+21.03 TO STA. 33+26.21 STA. 34+93.05 TO STA. 35+62.50

ESIGN AGENCY

ESIGNER

REVIEWER BMG 07/19/23

125940



BMG 07/19/23

Item C.Section 10, Item

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR **RESPECTIVE OWNERS:**

GAS:

CENTERPOINT ENERGY COMPANY (DISTRIBUTION)

KELLY SPURLOCK

CENTERVILLE, OH 45459

937-291-7116

6500 CLYO RD.

KELLY.SPURLOCK@CENTERPOINTENERGY.COM

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SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD:

ODOT VRS

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88 GEIOD 18 (CONUS) **GEOID:**

HORIZONTAL POSITIONING

ELLIPSOID: 804.5'

COMBINED SCALE FACTOR: 0.999912288

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

FULL DEPTH PAVEMENT AND SIDEWALK REPAIR

THE ENGINEER/INSPECTOR SHALL COMPELTE A FIELD VERIFICATION OF THE EXISTING ASPHALT PAVEMENT AND CONCRETE SIDEWALK TO DETERMINE THE AMOUNT OF FULL DEPTH AND SIDEWALK REPAIR NEEDED. THE PAVEMENT BUILDUP FOR FULL DEPTH PAVEMENT REPAIR SHALL MATCH THE FULL DEPTH PAVEMENT BUILDUP SHOWN ON THE TYPICAL SECTIONS ON SHEET 2.

THE FOLLOWING QUANITIES SHALL BE USED, AT THE DISCRETION OF THE ENGINEER/INSPECTOR, AS REPLACEMENT FOR PAVEMENT AND/OR SIDEWALK IN POOR CONDITION.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN 400 SY 1180 SF ITEM 608 - 4" CONCRETE WALK

CONSTRUCTION LIMITS

THE CONSTRUCTION LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE CONSTRUCTION LIMITS.

ADDITIONALLY, CONSTRUCTION LIMITS FOR AREAS OUTSIDE OF CURB BUMP OUTS AND CURB RAMP REPLACEMENTS SHALL BE LIMITED TO THE EDGE OF PAVEMENT, FACE OF CURB AND/OR FACE OF GUTTER PLATE. EXACT CONSTRUCTION LIMIT LINES ARE NOT SHOWN WITHIN AREAS OF RESURFACING, FOR CLARITY.

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES NO. TREES NO. STUMPS TOTAL

ITEM 608 - DETECTABLE WARNING, AS PER PLAN

REMOVE EXISTING BRICK DETECTABLE WARNING AND REPLACE WITH BRICK RED DETECTABLE WARNING PADS, AS SUPPLIED BY ADA SOLUTIONS OR APPROVED EQUAL. FOLLOW SPECFICIATIONS OUTLINED IN ODOT CMS SECTION 608.07. ALL LABOR AND MATERIAL REQUIRED TO REMOVE EXISTING DETECTABLE WARNINGS AND INSTALL NEW DETECTABLE WARNINGS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 608 - DETECTABLE WARNING, AS PER PLAN.

ITEM 608 - WALKWAY, MISC: SIDEWALK PAVERS

PAVING BRICK PAVER SHALL BE NOMINALLY 4" X 8" X 21/4" BRICK, SOLID (UNCORED) COMPLYING WITH REQUIREMENTS OF ASTM C902, CLASS SX, TYPE I STANDARD SPECIFICATIONS FOR PEDESTRIAN AND LIGHT TRAFFIC.

FINAL PAVER APPROVAL SHALL BE MADE ON SITE. CONTRACTOR SHALL PERFORM MOCKUP WITH A FIELD SAMPLE FOR REVIEW AND APPROVAL OF PAVERS PRIOR TO INSTALLATION OF UNIT PAVERS. THE FOLLOWING COLOR SHOULD BE USED IN PAVER INSTALLATION:

"LIGHT COLOR" - "CLEAR RED (RUSTIC) #30" PER WG, OR APPROVED EQUAL.

WG = WHITAKER GREER PAVERING BRICK CO., 1400 S. MAHONING AVE., AFFIANCE, OH 44601, 800-947-2837

BITUMINOUS SETTING-BED MATERIALS

PRIMER FOR BASE: ASTM D 2028/D 2028M, CUTBACK ASPHALT, GRADE AS RECOMMENDED BY UNIT PAVER MANUFACTURER.

FINE AGGREGATE FOR SETTING BED: ASTIM D 1073, NO. 2 OR NO. 3

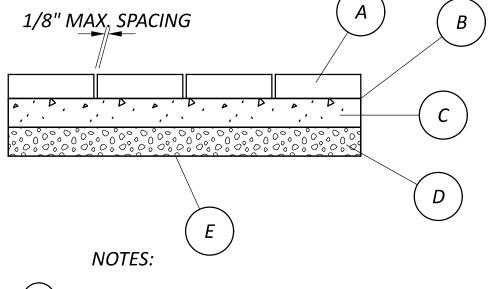
ASPHALT CEMENT: ASTM D 3381/D 3381M, VISCOSITY GRADE AC-10 OR GRADE AC-20

NEOPRENE MODIFIED ASPHALT ADHESIVE: PAVING MANUFACTURER'S STANDARD ADHESIVE CONSISTING OF OXIDIZED ASPHALT COMBINED WITH 2 PERCENT NEOPRENE AND 10 PERCENT LONG-FIBERED MINERAL FIBERS CONTAINING NO ASBESTOS

SAND FOR JOINTS: POLYMERIC SAND: FINE, SHARP, WASHED, NATURAL SAND OR CRUSHED STONE WITH 100 PERCENT PASSING NO. 16 SIEVE ADN NO MORE THAN 10 PERCENT PASSING NO. 200 SIEVE, MIXED WITH POLYMERS FOR PAVEMENT JOINT STABILIZATION.

1. PROVIDE SAND OF COLOR NEEDED TO PRODUCE REQUIRED JOINT COLOR.

MIX BITUNIMOUS SETTING-BED MATERIALS AT AN ASPHALT PLANT IN APPROXIMATE PROPORTION, BY WEIGHT, OF 7 PERCENT ASPHALT CEMENT TO 93 PERCENT FINE AGGREGATE UNLESS OTHERWISE INDICATED. HEAT MIXTURE TO 300 DEGREES F.



PAVERS

3/4" BITUMINOUS SETTING-BED

4" ITEM 452 - NON-REINFORCED CONCRETE

(D)4" ITEM 304 - AGGREGATE BASE

COMPACTED SUBGRADE PER 204.03

ITEM 611 - SPECIAL - TRENCH DRAIN

FURNISH AND CONSTRUCT A TRENCH DRAIN SYSTEM. TO CONVEY STORM WATER THROUGH PROPOSED CURB BUMP OUTS SHOWN ON SHEETS 24 AND 25. THE TRENCH DRAIN SYSTEM SHALL BE A NEENAH FOUNDRY 4990-FX, WITH RIVERWALK GRATE, OR APPROVED EQUAL. ALL LABOR AND MATERIALS NEEDED TO CONSTRUCT THE TRENCH DRAINS IDENTIFIED IN THE PLANS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 611 - SPECIAL - TRENCH DRAIN.

ITEM 661 - SPECIAL - LANDSCAPING

LANDSCAPE ARCHITECTURE AND AESTHETICS PLANS ARE SHOWN ON SHEETS 43 TO 47. ALL LABOR AND MATERIALS TO PERFORM THE WORK OUTLINED IN THESE PLANS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR THIS ITEM.

WORK SHOWN ON SHEET 44 SHALL BE BID SEPARATE AND INCLUDED WITH THE ALTERNATE BID QUANTITIES SHOWN ON SHEET 9.

AN ITEMIZED LIST OF PLANTS, SHRUBS, BOULDERS, BIKE RACKS AND OTHER MISCENALLEOUS ITEMS, CAN BE FOUND ON SHEETS 43 AND 44. THESE ITEMS SHOULD ALL BE INLCLUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 661 - SPECIAL - LANDSCAPING.

ALTERNATE BID - WALNUT AND MAIN STREET CURB BUMP OUT

THE CURB BUMP OUT WORK SHOWN ON SHEET 25, AT THE WALNUT AND MAIN STREET INTERSECTION, SHALL BE INCLUDED IN THE PROJECT BID PACKAGE AS AN ALTERNATE BID. THE CITY OF BELLBROOK RESERVES THE RIGHT TO AWARD THE PROJECT AND REJECT THE ALTERNATE BID FOR THIS WORK.

IN THE EVENT THE ALTERNATE BID IS NOT AWARDED, RESURFACING AND PLACEMENT OF PAVEMENT MARKINGS SHALL REMAIN A PART OF THE MAIN PROJECT, TO THE LIMITS SHOWN ON THE PLANS.

ESIGN AGENCY



ESIGNER ASN

REVIEWER BMG 07/19/23 ROJECT ID

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PART 1 - GENERAL

TO THIS SECTION.

- 1.1 RELATED DOCUMENTS A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT. INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS, APPLY
- 1.2 RELATED SECTIONS 1. SECTION [321216] - "ASPHALT PAVING" FOR NEW ASPHALT PAVEMENT. 2. SECTION {321723 PLASTIC PAVEMENT MARKINGS
- A. DECORATIVE IMPRESSED ASPHALT SHALL CONSIST OF A DURABLE IMPRESSED AGGREGATE REINFORCED PREFORMED THERMOPLASTIC PAVEMENT MARKING SYSTEM (HEREIN "SYSTEM") THAT PROVIDES A TEXTURED HIGHLY ATTRACTIVE AND DURABLE TOPICAL TREATMENT TO THE SURFACE OF THE ASPHALT PAVEMENT.
- B. THE SYSTEM IS INTENDED FOR USE ON ASPHALT PAVEMENTS TO CREATE TRAFFIC CALMING SOLUTIONS FOR DECORATIVE CROSSWALKS, MEDIANS, AND INTERSECTIONS. IT IS APPLIED OVER PAVEMENT TO CREATE FUNCTIONAL AND DECORATIVE CROSSWALKS AND INTERSECTIONS, AS SHOWN ON THE CONTRACT DRAWINGS.
- C. ALL SYSTEM MATERIALS SHALL BE PRODUCED UNDER A QUALITY SYSTEM AS SPECIFIED IN THIS SECTION AND DESIGNED TO PROVIDE DURABILITY, LOAD CARRYING CAPACITY AND ARCHITECTURAL COMPATIBILITY WITH THE ENVIRONMENT. ALL RAW MATERIALS SHALL BE CAREFULLY GRADED FOR CONSISTENCY AND QUALITY TO OBTAIN THE HIGHEST STANDARDS.
- D. THE SYSTEM SHALL BE INSTALLED TO THE EXISTING SUBSTRATE.
- E. ONLY ACCREDITED DECORATIVE IMPRESSED ASPHALT SYSTEM INSTALLERS AUTHORIZED BY THE MANUFACTURERS_ OF THE DECORATIVE IMPRESSED ASPHALT PRODUCT MAY PERFORM THIS WORK.
- A. WORK OF THIS SECTION IS BASED ON LABOR AND MATERIALS PER PROJECT.
- B. METHOD OF MEASUREMENT: THE WORK WILL BE MEASURED BY THE INSTALLED AREA OF SQUARE FEET. MEASURED AND ACCEPTED IN PLACE. NO DEDUCTION WILL BE MADE FOR THE AREA(S) OCCUPIED BY MANHOLES, INLETS, DRAINAGE STRUCTURES, BOLLARDS OR BY ANY PUBLIC UTILITY APPURTENANCES WITHIN THE AREA.
- C. BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "DECORATIVE IMPRESSED ASPHALT PAVEMENT MARKING"AND ACCEPTED IN PLACE. PRICE SHALL INCLUDE ALL MATERIALS. EQUIPMENT. TOOLS AND LABOR INCIDENTAL THERETO. THEŔE WILL BE NÓ DIRECT PAYMENT FOR SURFACE PREPARATION: BUT THE COST OF THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE GENERAL COST
- 1.5 PREINSTALLATION MEETINGS A. PREINSTALLATION CONFERENCE: CONDUCT CONFERENCE AT PROJECT SITE (INSERT LOCATION).
 B. CONFERENCE SHALL CONSIST OF OWNER, OWNERS REPRESENTATIVE, ENGINEER, LANDSCAPE ÁRCHITECT CERTIFIED APPLICATOR, MANUFACTURER'S REPRESENTATIVE.
- A. "HMA PAVEMENT" IS HOT MIX ASPHALT PAVEMENT.
- B. "PCC PAVEMENT" IS PORTLAND CEMENT CONCRETE PAVEMENT.
- C. "OWNER" MEANS THE OWNER AND REFERS TO THE REPRESENTATIVE PERSON OF THE CERTIFIED APPLICATOR WHO HAS DECISION MAKING AUTHORITY FOR THE WORK.
- D. "ACCREDITED INSTALLER" REFERS TO A CONTRACTOR AUTHORIZED BY THE SYSTEM MANUFACTURER TO INSTALL THE DECORATIVE IMPRESSED ASPHALT (SYSTEM).
- 1.7 SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT PER MANUFACTURER'S OFFERING.
- B. MANUFACTURER DATA: SYSTEM TYPE AND PRODUCT TYPE
- C. SAMPLES FOR INITIAL SELECTION: FOR EACH TYPE OF PRODUCT REQUIRING COLOR SELECTION. SAMPLES FOR VERIFICATION: FOR EACH PATTERN AND COLOR IN MANUFACTURER'S STANDARD SIZES.
- D. THE ACCREDITED INSTALLER SHALL PROVIDE WRITTEN PROOF OF THEIR ACCREDITATION.
- E. THE ACCREDITED INSTALLER SHALL GAIN CONFIRMATION OF CORRECT STAMPING PATTERN(S) AND COLORS FROM THE CITY OF BELLBROOK PRIOR TO STARTING THE WORK.
- F. THE ACCREDITED INSTALLER SHALL SUPPLY THREE REFERENCES OF WORK OF A SIMILAR NATURE PROVIDED TO THE CITY OF BELLBROOK WITHIN THE STATE OF OHIO.
- G. CONSTRUCTION OF MOCK-UP (SHALL BE A MINIMUM OF A 6'X6' SECTION FOR EACH COLOR AND STAMP PATTERN SPECIFIED).

- H. THE SYSTEM MANUFACTURER MUST BE ISO9001:2015 CERTIFIED FOR DESIGN, DEVELOPMENT AND MANUFACTURING OF PREFORMED THERMOPLASTIC, AND PROVIDE PROOF OF CURRENT CERTIFICATION.
- I. SHOP DRAWINGS: INDICATE IMPRESSED PATTERNS, COLORS, AND DIMENSIONS TO ADJACENT WORK
- 1.8 QUALITY ASSURANCE A. INSTALLER QUALIFICATIONS: IMPRESSED-ASPHALT MANUFACTURER'S AUTHORIZED INSTALLER WHO IS TRAINED AND APPROVED FOR INSTALLATION OF IMPRESSED ASPHALT REQUIRED FOR THIS PROJECT
- B. REGULATORY REQUIREMENTS: COMPLY WITH MATERIALS WORKMANSHIP, AND OTHER APPLICABLE REQUIREMENTS OF THE ODOT CMS FOR IMPRESSED ASPHALT WORK.
- 1. MEASUREMENT AND PAYMENT PROVISIONS AND SAFETY PROGRAM SUBMITTALS INCLUDED IN STANDARD SPECIFICATIONS DO NOT APPLY TO THIS SECTION.
- 1.9 FIELD CONDITIONS A. ENVIRONMENTAL LIMITATIONS: PROCEED WITH IMPRESSED PAVEMENT ONLY WHEN AIR TEMPERATURE IS AT LEAST 45 DEG F (7.2 DEG C) AND RISING. PROCEED ONLY IF NO PRECIPITATION IS EXPECTÉD. ENSURE THERE IS NO MOISTURE IN THE SUBSTRATE PRIOR TO APPLICATION. GROUND SHOULD NOT HAVE ANY FROST OR MOISTURE PRESENT. HIGH WINDS COULD ALSO AFFECT THE INSTALLATION OF THE IMPRESSED MATERIAL

PART 2 - PRODUCTS

- 2.1 MATERIALS
- A. MANUFACTURER BASIS OF DESIGN ENNIS-FLINT, INC. TRAFFICPATTERNSXD®IMPRESSED SURFACE SYSTEM 1. CONTACT WWW.ENNISFLINTAMERICAS.COM
- B. DECORATIVE IMPRESSED ASPHALT MATERIAL
 - 1. PREFORMED THERMOPLASTIC MATERIAL: MUST BE COMPOSED OF AN ESTER MODIFIED ROSIN IMPERVIOUS TO DEGRADATION BY MOTOR FUELS LUBRICANTS, ETC. IN CONJUNCTION WITH AGGREGATES. PIGMENTS, BINDERS, AND ANTI-SKID/ANTI-SLIP ELEMENTS. PIGMENTS AND ANTI-SKID/ANTI-SLIP ELEMENTS MUST BE UNIFORMLY DISTRIBUTED THROUGHOUT THE MATERIAL THE MATERIAL CONFORMS TO AASHTO DESIGNATION M249, WITH THE EXCEPTION OF THE RELEVANT DIFFERENCES DUE TO THE MATERIAL BEING SUPPLIED IN A PREFORMED STATE. BEING NON-REFLECTIVE, AND POTENTIALLY BEING OF A COLOR DIFFERENT FROM WHITE OR YELLOW.
 - 2. THE SYSTEM SHALL UTILIZE A RESILIENT, AGGREGATE R EINFORCED PREFORMED THERMOPLASTIC PRODUCT WHICH CONTAINS A MINIMUM OF THIRTY PERCENT (30%) NTERMIXED ANTI-SKID/ANTI-SLIP ELEMENTS AND WHERE T HE TOP SURFACE CONTAINS ANTI- SKID/ANTI-SLIP ELEMENTS. THESE ANTI-SKID/ANTI-SLIP ELEMENTS MUST HAVE A MINIMUM HARDNESS OF 6 (MOHS SCALE).
 - 3. THE SYSTEM MUST BE RESISTANT TO THE DETRIMENTAL EFFECTS OF MOTOR FUELS, ANTIFREEZE, LUBRICANTS, HYDRAULIC FLUIDS, ETC.

4. PIGMENTS:

- A. WHITE: THE MATERIAL SHALL BE MANUFACTURED WITH SUFFICIENT TITANIUM DIOXIDE PIGMENT TO MEET FHWA DOCKET NO. FHWA-99-6190 TABLE 5 AND TABLE 6 AS REVISED AND CORRECTED.
- B. OTHER COLORS: THE PIGMENT SYSTEM MUST NOT CONTAIN HEAVY METALS NOR ANY CARCINOGEN, AS DEFINED IN 29 CFR 1910.1200 IN AMOUNTS EXCEEDING PERMISSIBLE LIMITS AS SPECIFIED IN RELEVANT FEDERAL REGULATIONS.
- 5. SKID RESISTANCE: THE SURFACE OF THE MATERIAL SHALL CONTAIN FACTORY APPLIED ANTI-SKID/ANTI-SLIP ELEMENTS WITH A MINIMUM HARDNESS OF 6 (MOHS SCALE). UPON APPLICATION THE MATERIAL SHALL PROVIDE A MINIMUM SKID RESISTANCE VALUE OF 60 BPN WHEN TESTED ACCORDING TO ASTM E 303.
- 6. SLIP RESISTANCE: THE SURFACE OF THE MATERIAL SHALL CONTAIN FACTORY APPLIED ANTI-SKID/ANTI-SLIP ELEMENTS WITH A MINIMUM HARDNESS OF 6 (MOHS SCALE). UPON APPLICATION THE MATERIAL SHALL PROVIDE A MINIMUM STATIC FRICTION OF COEFFICIENT OF 0.6 WHEN TESTED ACCORDING TO ASTM C 1028 (WET AND DRY), AND A MINIMUM STATIC COEFFICIENT OF FRICTION OF 0.6 WHEN TESTED ACCORDING TO ASTM D 2047.
- 7. THICKNESS: THE MATERIAL MUST BE SUPPLIED AT A MINIMUM THICKNESS OF 150 MIL (3.8MM).
- 8. ENVIRONMENTAL RESISTANCE: THE MATERIAL MUST BE RESISTANT TO DETERIORATION DUE TO EXPOSURE TO SUNLIGHT, WATER, SALT OR ADVERSE WEATHER CONDITIONS AND IMPERVIOUS TO OIL AND GASOLINE.

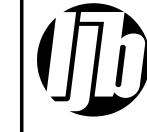
- C. DECORATIVE IMPRESSED ASPHALT MATERIAL STAMPING GRID: A WIRE ROPE GRID IS REQUIRED IN THE EXECUTION OF THE SYSTEM. THE GRID IS USED FOR IMPRESSING THE DEFINED PATTERNS ONCE THE PREFORMED THERMOPLASTIC HAS BEEN APPLIED. THE WIRE ROPE DIAMETER FOR THE IMPRESSING TEMPLATE USED FOR THE SPECIFIED PATTERN IS 3/8 IN. (9.5MM). THE STAMPING GRIDS ARE DISTRIBUTED BY THE SYSTEM MANUFACTURER.
- D. HEATING EQUIPMENT: SYSTEM-SPECIFIC RECIPROCATING INFRARED HEATING EQUIPMENT IS DESIGNED SPECIFICALLY TO ELEVATE THE TEMPERATURE OF THE PREFORMED THERMOPLASTIC MATERIAL AND ASPHALT PAVEMENT WITHOUT ADVERSELY AFFECTING IT. THE PRIMARY HEATING UNIT MUST EMPLOY A BANK OF PROPANE-FIRED INFRARED HEATERS MOUNTED ON A TRACK DEVICE THAT ALLOWS THE HEATER BANK TO RECIPROCATE BACK AND FORTH OVER A DESIGNATED AREA, THEREBY ALLOWING THE OPERATOR TO MONITOR THE TEMPERATURE OF THE PREFORMED THERMOPLASTIC AT ALL TIMES DURING THE PAVEMENT HEATING PROCESS. A SMALLER, MOBILE INFRARED HEATER IS DESIGNED SPECIFICALLY TO HEAT AREAS SUCH AS BORDERS AND NARROW AREAS THAT ARE INACCESSIBLE TO THE PRIMARY HEATERS. THIS SECONDARY HEATER ALSO ALLOWS THE OPERATOR TO MONITOR THE TEMPERATURE OF THE PREFORMED THERMOPLASTIC AT ALL TIMES DURING THE HEATING PROCESS.
- E. MATERIALS SEALER: A TWO-PART EPOXY SEALER SPECIFIED AND DISTRIBUTED BY THE SYSTEM MANUFACTURER MUST BE APPLIED TO THE SUBSTRATE PRIOR TO MATERIAL APPLICATION TO ENSURE PROPER ADHESION. AND TO PROVIDE REINFORCEMENT FOR LARGER AREAS OF MATERIAL
- F. MATERIALS AGGREGATE: SUPPLEMENTAL ANTI-SKID/ANTI-SLIP ELEMENTS TO BE APPLIED TO THE SURFACE OF THE MOLTEN PREFORMED THERMOPLASTIC AS NEEDED, IF THE FACTORY APPLIED ANTI-SKID/ANTI-SLIPELEMENTS EMBED TOO DEEPLY INTO THE SURFACE OF THE MOLTEN PREFORMED THERMOPLASTIC MATERIAL DURING THE HEATING PROCESS. (EMBEDDED AGGREGATE IS EXPOSED UPON WEAR FOR EXTENDED SKID RESISTANCE.) THE AGGREGATE IS DISTRIBUTED BY THE SYSTEM MANUFACTURER.
- G. PATTERNS & COLORS
 - 1. PATTERNS AND COLORS ARE DESCRIBED BELOW: A. DECORATIVE IMPRESSED ASPHALT - TYPE A **DIAGONAL HERRINGBONE PATTERN (12-101)** COLONIAL BRICK COLOR LIMITS SHOWN ON SHEET 23
 - 2. CONTRACTOR SHALL VERIFY ALL COLORS AND PATTERNS WITH OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT.
- H. SHELF LIFE AND STORAGE THE SHELF LIFE OF DECORATIVE IMPRESSED ASPHALT MATERIALS IS TWO YEARS PROVIDED IT IS PROTECTED FROM THE WEATHER, SPECIFICALLY UV DEGRADATION AND RAIN. THE MATERIALS ARE TO BE STORED IN THEIR ORIGINAL PACKAGING AND KEPT DRY UNDER COVER AND OR AS PER MANUFACTURER'S SPECIFICATIONS

PART 3- EXECUTION

- 3.1 EXAMINATION A. VERIFY THAT PAVEMENT IS DRY AND IN SUITABLE CONDITION TO BEGIN THE IMPRESSING PROCESS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
- B. PROCEED WITH ASPHALT IMPRESSING ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- C. VERIFY THAT UTILITIES. TRAFFIC LOOP DETECTORS, AND OTHER ITEMS REQUIRING A CUT AND INSTALLATION BENEATH THE ASPHALT SURFACE HAVE BEEN COMPLETED AND THAT ASPHALT SURFACE HAS BEEN REPAIRED FLUSH WITH ADJACENT ASPHALT PRIOR TO BEGINNING INSTALLATION OF IMPRESSED ASPHALT.
- 3.2 IMPRESSING ASPHALT A. GENERAL: IMPRESS ASPHALT ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. USING MANUFACTURER'S RECOMMENDED EQUIPMENT.
- B. PRE-CONDITIONS: DECORATIVE IMPRESSED ASPHALT SHALL BE INSTALLED OVER NEW PAVEMENT. THE PAVEMENT MUST BE FIRM, STABLE AND IN EXCELLENT CONDITION; IT MUST BE FREE FROM DEFECTS SUCH AS CRACKS, SETTLEMÉNT, VISIBLE SEAMS, RUTS, BIRD BATHS AND SPALLING.
 - 1. CRACKING, SETTLEMENT AND OTHER DEFICIENCIES OF THE SUBSTRATE WILL LIKELY REFLECT THROUGH THE DECORATIVE PREFORMED THERMOPLASTIC. GOOD AND PROPER CONSTRUCTION PROCEDURES FOR THE INSTALLATION OF THE SUBSTRATE MUST BE FOLLOWED IN ORDER TO MITIGATE CRACKING OF DECORATIVE PREFORMED THERMOPLASTIC.
 - 2. SURFACES WITH A HIGH DEGREE OF POROSITY SHOULD BE AVOIDED DUE TO THE PROBLEMS ASSOCIATED WITH ENTRAPPED WATER.

- 3. SURFACES THAT MAY BE SUBJECT TO UNCONTROLLED MOVEMENT IN EITHER A HORIZONTAL OR VERTICAL DIRECTION SHALL BE AVOIDED AS THERE MAY BE A RISK OF REFLECTIVE CRACKING THROUGH TO THE DECORATIVE PREFORMED THERMOPLASTIC. NOTIFY THE ENGINEER IF THESE CONDITIONS ARE PRESENT BEFORE INSTALLING DECORATIVE PREFORMED THERMOPLASTIC.
- D. PREPARING OF THE SUBSTRATE: ALL PAVEMENT SUBSTRATES MUST BE OF HIGH QUALITY AND STABLE FOR THE INSTALLATION OF DECORATIVE IMPRESSED ASPHALT
- THIS SECTION IS TO BE USED AS A GUIDE TO ENSURE A HIGH-QUALITY PAVEMENT SUBSTRATE IS PROVIDED AND READY FOR THE INSTALLATION OF THE DECORATIVE SYSTEM. IT DOES NOT SUPERSEDE OTHER SPECIFICATIONS PERTAINING TO THIS WORK, NOR DOES IT REPLACE RECOMMENDATIONS MADE BY THE ENGINEER OF RECORD FOR THIS WORK.
 - 1. THE BASE AND SUB-GRADE OVER WHICH NEW PAVEMENT IS INSTALLED MUST BE FIRM AND STABLE.
 - 2. THE PAVEMENT MIX MUST BE DESIGNED FOR THE INTENDED USE.
 - 3. THE PAVEMENT MUST BE INSTALLED IN ACCORDANCE WITH PROPER PLACEMENT PRACTICES AND THESE SPECIFICATIONS.
 - 4. THE ASPHALT PAVEMENT MUST BE PERMITTED TO CURE PROPERLY BEFORE INSTALLING DECORATIVE IM-PRESSED
- E. SURFACE PREPARATION: THE PAVEMENT SURFACE SHALL BE DRY AND CLEAN: FREE OF ALL DIRT, DEBRIS, SALTS, CONCRETE ADMIXTURES AND ANY CHEMICAL RESIDUES.
 - 1. BITUMINOUS RESIDUE MUST BE REMOVED FROM NEW ASPHALT PAVEMENT SURFACE PRIOR TO INSTALLATION OF DECORATIVE IMPRESSED ASPHALT.
 - 2. REMOVAL OF CONTAMINANTS MAY BE DONE BY BROOMING, COMPRESSED AIR, PRESSURE WASHING (MOISTURÉ MUST BE REMOVED AND THE SURFACE DRY AS NOTED ABOVE) OR, IF NECESSARY, LIGHT-GRIT BLASTING. WIRE BRUSH MAY BE USED TO REMOVE LOOSE OR POWDERY MATERIALS.
- F. INSTALLATION OF DECORATIVE IMPRESSED ASPHALT. DECORATIVE IMPRESSED ASPHALT SYSTEM IS TO BE INSTALLED ONLY BY AN ACCREDITED INSTALLER
- 1. THE SYSTEM MUST BE ABLE TO BE APPLIED TO ASPHALT SURFACES WITHOUT PRE-HEATING THE APPLICATION SURFACE TO A SPECIFIC TEMPERATURE.
- 2. THE SYSTEM IS APPLIED TO ASPHALT PAVEMENT PRIMARILY USING RECIPROCATING INFRARED HEATING EQUIPMENT. AN APPROVED HAND-HELD PROPANE HEAT TORCH DISTRIBUTED BY THE SYSTEM MANUFACTURER SHALL BE USED TO HEAT ISOLATED AREAS OF THE PREFORMED THERMOPLASTIC.
- 3. A SPECIALIZED SEALER DISPENSING GUN, HANDHELD FINISHING TOOL. AGGREGATE AND VIBRATORY PLATE COMPACTORS ARE USED AS PART OF THE INSTALLATION
- 4. THE AGGREGATE REINFORCED PREFORMED THERMOPLASTIC IS TYPICALLY SUPPLIED IN PANELS MEASURING 2 FT. X 2 FT. $[\pm [?IN.] (.61M \times .61M [\pm 3MM]).$
- 5. THE SYSTEM IS AVAILABLE IN A VARIETY OF STANDARD COLORS AND PATTERNS. COLOR CAN BE USED TO CREATE PATTERNS WITHIN THE CROSSWALK AREA TO REFLECT THE TYPICAL WHITE 'CONTINENTAL' CROSSWALK BARS FOR ADDITIONAL VISIBILITY AND AWARENESS.
- 6. THE MATERIAL MUST BE ABLE TO BE APPLIED AT AMBIENT AND ROAD TEMPERATURES WITH A MINIMUM TEMPERATURE OF 45°F (7°C) AND RISING.
- 7. A TWO-PART EPOXY SEALER SPECIFIED BY THE MANUFACTURER MUST BE APPLIED TO THE SUBSTRATE PRIOR TO PREFORMED THERMOPLASTIC APPLICATION. IMMEDIATELY FOLLOWING SEALER APPLICATION, THE PANELS OF AGGREGATE REINFORCED PREFORMED THERMOPLASTIC ARE POSITIONED PROPERLY ON THE ASPHALT SUBSTRATE WITH THE AGGREGATE SIDE FACING UP. THE PREFORMED THERMOPLASTIC IS THEN HEATED TO THE REQUIRED MELTING TEMPERATURE. ADDITIONAL AGGREGATE MAY BE APPLIED TO THE PREFORMEDTHERMOPLASTIC SURFACE AS NEEDED FOLLOWING THE MELTING PROCESS.
- 8. AS THE MATERIAL COOLS TO 160 DEGREES FAHRENHEIT, IT IS IMPRESSED WITH A STAMPING GRID MADE FROM 3/8 IN. (9.5 MM) FLEXIBLE WIRE ROPE IN THE REQUIRED DESIGN USING A VIBRATORY PLATE COMPACTOR.
- 9. THE PREFORMED THERMOPLASTIC MATERIAL IS THEN ALLOWED TO COOL THOROUGHLY BEFORE BEING OPENED TO VEHICLE OR PEDESTRIAN TRAFFIC. (CONSULT THE MANUFACTURER'S PUBLISHED APPLICATION PROCEDURES FOR COMPLETE INFORMATION.) THE TIMING OF OPENING TRAFFIC WILL BE SUBJECT TO EXTÉRIOR TEMPERATURE CONDITIONS. MORE TIME MAY BE REQUIRED IN HOT WEATHER. THE ACCREDITED INSTALLER CAN ADVISE WHEN THE WORK IS READY FOR TRAFFIC.
- 10. INSTALL PREMARK®WHITE 125MIL PREFORMED THERMOPLASTIC MATERIAL WITH GLASS BEADS AS THE TRANSVERSE LINES ON THE OUTSIDE AREAS OF THE INSTALLED ${\it TRAFFICPATTERNSXD}$ ${\it @MARKING}$ ${\it SYSTEM}$ ${\it ASREQUIRED}$ ${\it TOMEET}$ MUTCD REQUIREMENTS.

ESIGN AGENCY



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BMG 08/08/23 ROJECT ID 125940

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ITEM 614, MAINTAINING TRAFFIC (AT ALL TIMES)

A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT. TRAFFIC SHALL BE MAINTAINED AT ALL INTERSECTIONS AND DRIVES AT ALL TIMES.

SEQUENCE OF CONSTRUCTION

PHASE 1A

USING ODOT SCD MT-95.61 (ADJUSTED FOR SINGLE LANE, 25-MPH SHIFT), MAINTAIN TWO-WAY TRAFFIC AND SHIFT EB AND WB TRAFFIC TO THE NORTH SIDE OF FRANKLIN STREET. MAINTAIN A 1' MINIMUM SHOULDER BETWEEN EXISTING CURBS AND PROPOSED DRUMS AND 10' LANES IN BOTH DIRECTIONS.

CONSTRUCT CURB BUMP OUT ON SOUTH SIDE OF FRANKLIN STREET, INCLUDING SIDEWALK, CURB RAMP AND ENHANCED CROSSWALK, UP TO WITHIN 1' OF PROPOSED DRUMS.

AFTER BUMP OUT HAS BEEN CONSTRUCTED, CLOSE CROSSWALK AND CURB RAMP UNTIL PHASE 1B HAS BEEN COMPLETED.

PHASE 1B

USING ODOT SCD MT-95.61 (ADJUSTED FOR SINGLE LANE, 25-MPH SHIFT), MAINTAIN TWO-WAY TRAFFIC AND SHIFT EB AND WB TRAFFIC TO THE SOUTH SIDE OF FRANKLIN STREET. MAINTAIN A 1' MINIMUM SHOULDER BETWEEN PROPOSED CURBS AND PROPOSED DRUMS AND 10' LANES IN BOTH DIRECTIONS.

CONSTRUCT CURB BUMP OUT ON NORTH SIDE OF FRANKLIN STREET, INCLUDING SIDEWALK, CURB RAMP AND REMAINING ENHANCED CROSSWALK.

OPEN CROSSWALK AND CURB RAMP PREVIOUSLY CLOSED IN PHASE 1A.

USING ODOT SCD MT-95.61, MILL $1\frac{1}{2}$ " SURFACE COURSE OFF FOR THE ENTIRETY OF THE RESURFACING AREA, AS SHOWN ON THE PLANS. PLACE WORK ZONE PAVEMENT MARKINGS FOR LONG LINE MARKINGS (INCLUDING STOP BARS) FOR USE WHILE PAVEMENT

PHASE 2A

USING ODOT SCD MT-97.11. MILL $1\frac{1}{2}$ " SURFACE COURSE FOR THE ENTIRETY OF THE RESURFACING AREA ON FRANKLIN STREET, AS SHOWN ON THE PLANS. PLACE WORK ZONE PAVEMENT MARKINGS FOR LONG LINE MARKINGS (INCLUDING STOP BARS) FOR USE WHILE PAVEMENT IS MILLED OFF.

PLACE $1\frac{1}{2}$ " SURFACE COURSE OVER RESURFACING AREA ON FRANKLIN STREET. REPLACE LONG LINE PAVEMENT MARKINGS WITH WORK ZONE PAVEMENT MARKINGS, PRIOR TO PERMANENT PAVEMENT MARKING PLACEMENT.

PHASE 2B

USING ODOT SCD MT-97.11, MILL $1\frac{1}{2}$ " SURFACE COURSE FOR THE ENTIRETY OF THE RESURFACING AREA ON MAIN STREET, AS SHOWN ON THE PLANS. PLACE WORK ZONE PAVEMENT MARKINGS FOR LONG LINE MARKINGS (INCLUDING STOP BARS) FOR USE WHILE PAVEMENT IS MILLED OFF.

PLACE $1\frac{1}{2}$ " SURFACE COURSE OVER RESURFACING AREA ON FRANKLIN STREET. REPLACE LONG LINE PAVEMENT MARKINGS WITH WORK ZONE PAVEMENT MARKINGS, PRIOR TO PERMANENT PAVEMENT MARKING PLACEMENT.

PHASE 3

PLACE REMAINING PERMANENT PAVEMENT MARKINGS AND PROPOSED SIGNAGE ALONG BOTH FRANKLIN STREET AND MAIN STREET. MAINTAIN TRAFFIC USING ODOT SCD MT-97.11 AND MT-99.20.

SEQUENCE OF CONSTRUCTION CONT.

WALNUT AND MAIN STREET

IN THE EVENT THE WALNUT AND MAIN STREET BUMP-OUT ALTERNATE IS AWARDED, CONSTRUCT BOTH THE EAST AND WEST SIDE BUMP-OUTS IN A SIMILAR MANNER TO THE BUMP-OUT LOCATIONS ALONG FRANKLIN STREET. THESE BUMP-OUTS SHOULD BE TREATED AS PHASES 1C AND 1D, IF AWARDED.

MAINTENANCE OF TRAFFIC COORDINATION

THE MAINTENANCE OF TRAFFIC SCHEME DEVELOPED FOR THIS PROJECT ASSUMES THE ADJACENT BRIDGE PROJECT, ODOT PID 110612, IS COMPLETED.

IF ODOT PID 110612 IS IN CONSTRUCTION PHASE 1 OR 2, AT THE TIME THIS PROJECT BEGINS, COORDINATION WITH ODOT DISTRICT 8 AND THE CONTRACTOR FOR PID 110612 IS NEEDED TO DETERMINE AN UPDATED MAINTENANCE OF TRAFFIC SCHEME.

IF ODOT PID 110612 IS IN CONSTRUCTION PHASE 1 OR 2 AND THE ALTERNATE BID FOR THIS PROJECT IS AWARDED, PHASE 1C AND 1D ARE TO BE COMPLETED PRIOR TO PHASE 1A AND 1B.

IF ODOT PID 110612 IS IN CONSTRUCTION PHASE 3, PHASE 1B AND PHASE 1A OF THIS PROJECT SHALL BE FLIPPED, TO BETTER COORDINATE WITH ODOT PID 110612.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE DURATION OF NOTICE DUE TO CITY **CLOSURE**

>= 2 WEEKS 14 CALENDAR DAYS LANE CLOSURES & PRIOR TO CLOSURE RESTRICTIONS

> < 2 WEEKS 5 BUSINESS DAYS PRIOR TO CLOSURE

START OF 14 CALENDAR DAYS CONSTRUCTION & PRIOR TO TRAFFIC PATTERN *IMPLEMENTATION* CHANGES

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

WORK ZONE PAVEMENT MARKINGS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11. THE FOLLOWING PAVEMENT MARKING ITEMS ARE TO BE PLACED ON MILLED ASPHALT PAVEMENT, IMMEDIATELY FOLLOWING MILLING OPERATIONS. ADDITIONALLY, THESE PAVEMENT MARKINGS ARE TO BE AGAIN PLACED ON THE FINAL SURFACE COURSE, PRIOR TO FINAL, THERMOPLASTIC PAVEMENT MARKINGS BEING PLACED.

ITEM 614 WORK ZONE CENTERLINE, CLASS 1 2.46 MILE

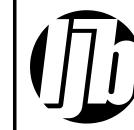
ITEM 614 WORK ZONE EDGE LINE, CLASS 1, 6" 4.26 MILE

ITEM 614 WORK ZONE CHANNELIZING LINE,

CLASS 1, 8" 778 FT

214 FT ITEM 614 WORK ZONE STOP LINE, CLASS 1,

ESIGN AGENCY



ESIGNER ASN

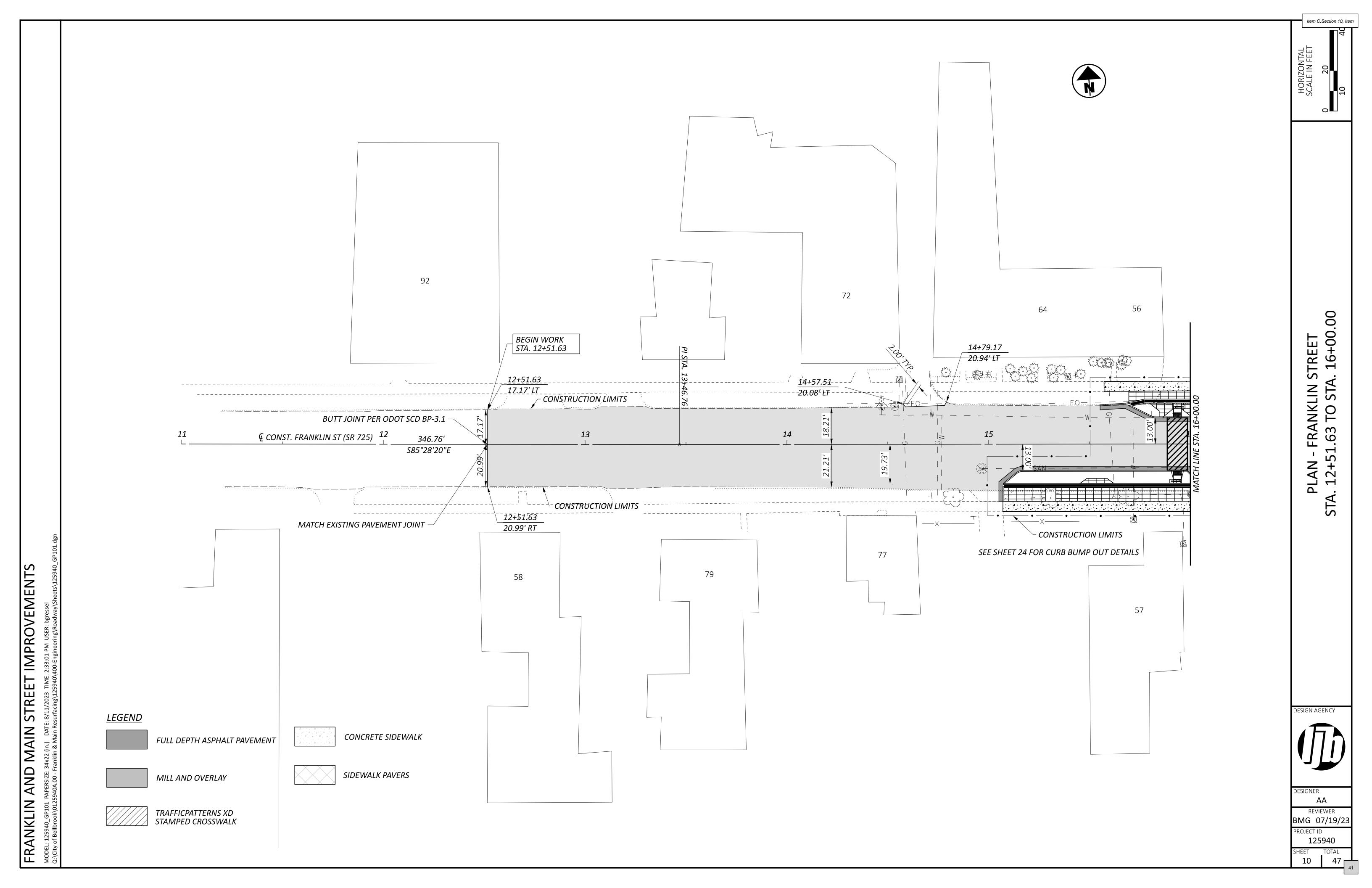
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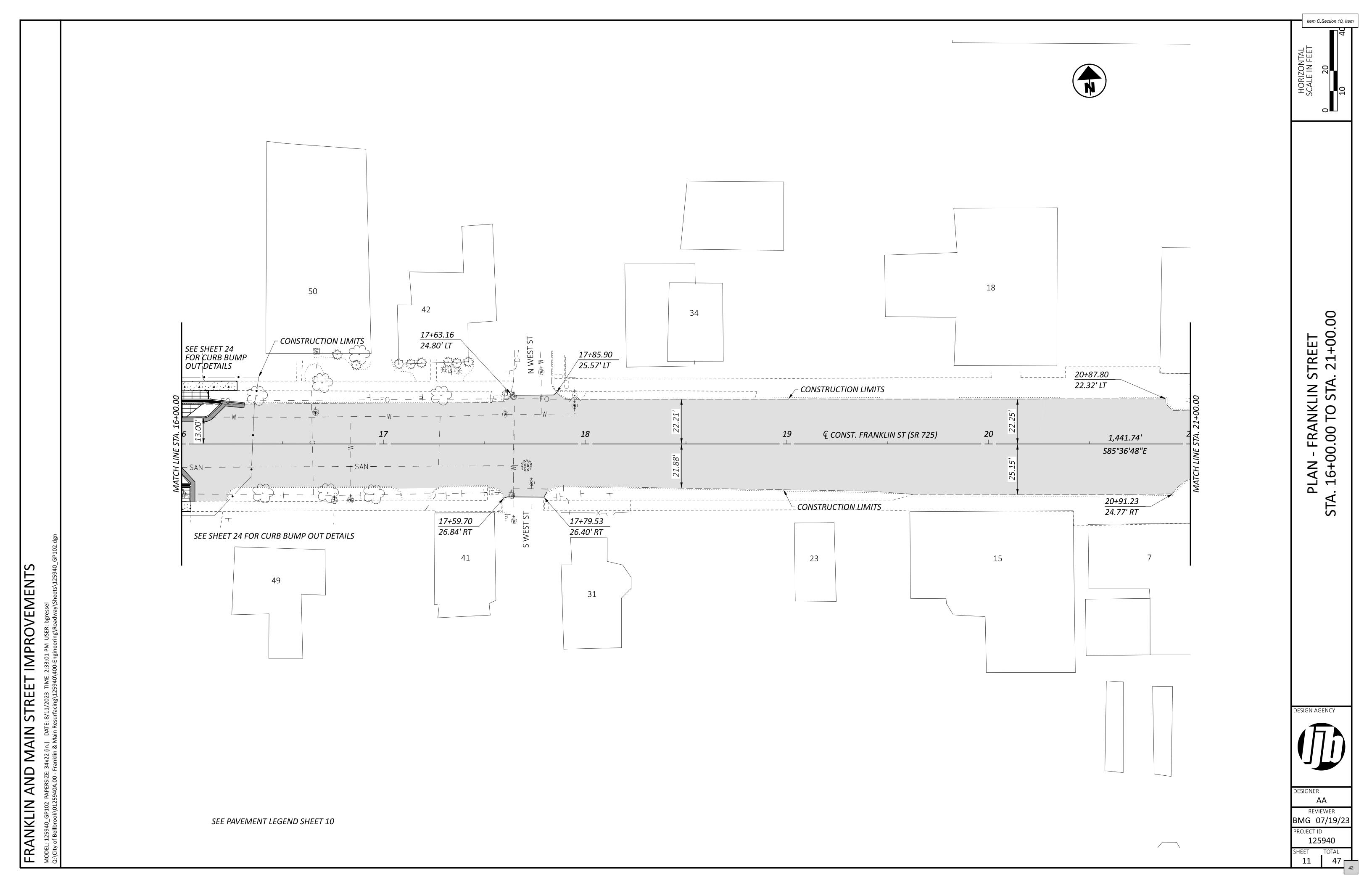
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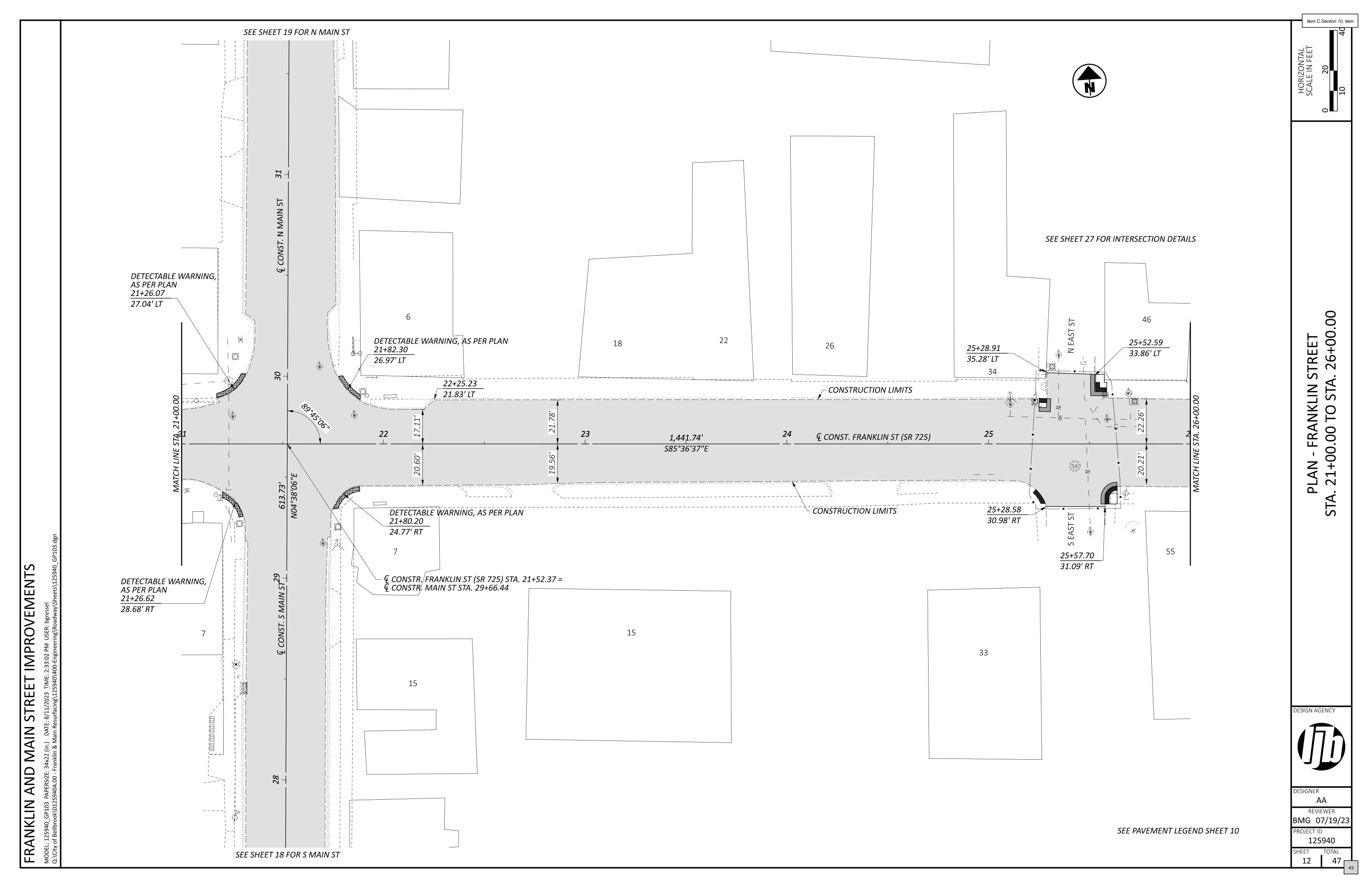
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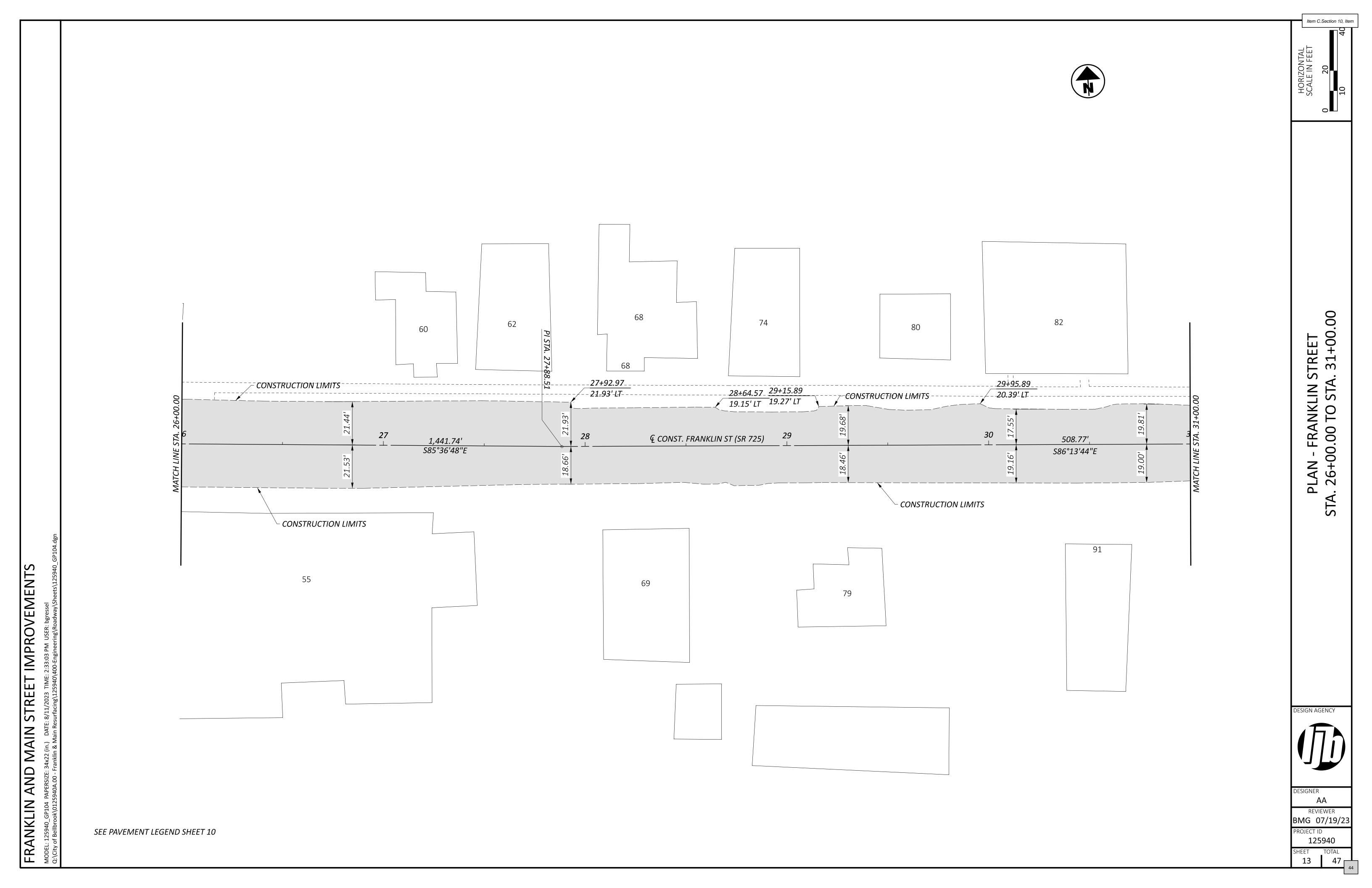
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										201	11000	LS		CLEARING AND GRUBBING		
										202	23000	228	SY	PAVEMENT REMOVED		
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										608	98000	967	SF	WALKWAY, MISC.:, SIDEWALK PAVERS	5	
														EROSION CONTROL		
										832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN		
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		+ +	1							253	01001	400	SY	PAVEMENT REPAIR, AS PER PLAN	5	1
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										407	20000	2,054	GAL	NON-TRACKING TACK COAT		
										441	70000	1,006		ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		
										441	70300	5		ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)		
										441	91000	29	SY	ASPHALT CONCRETE, MISC.:TRAFFICPATTERNSXD STAMPED CROSSWALK DIAGONAL	6	_
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										630	08600	3	EACH	SIGN POST REFLECTOR		
										630	80100	58	SF	SIGN, FLAT SHEET		
										630	84900	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
										630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		4
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										644	00400	128	FT	CHANNELIZING LINE, 8" STOP LINE		-
										644	00620	924	FT	CROSSWALK LINE, 12"		1
										644	00630	70	FT	CROSSWALK LINE, 24"		-
										644	00700	426	FT	TRANSVERSE/DIAGONAL LINE, WHITE		
										644	00700	216	FT	TRANSVERSE/DIAGONAL LINE, YELLOW		
										644	01200	1,014	FT	PARKING LOT STALL MARKING		
										644	01300	10	EACH	LANE ARROW		
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										614	11000	LS		MAINTAINING TRAFFIC		_ PROJECT 12
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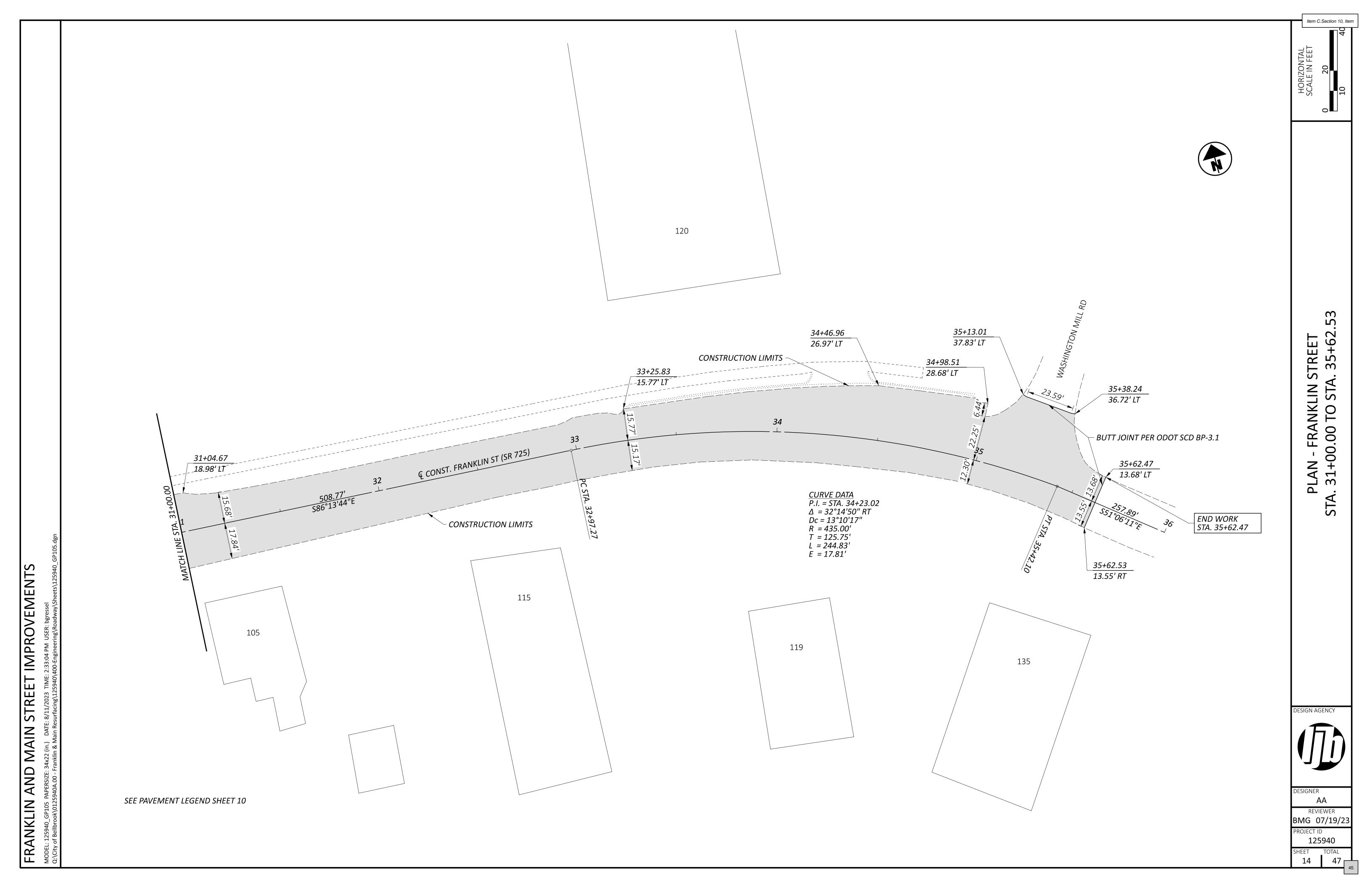
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									638	10800	3	EACH	WATER WORK VALVE BOX ADJUSTED TO GRADE	
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			_					<u> </u>	620	05100	4	EACH.	TRAFFIC CONTROL	
									630	85100	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
													TRAFFIC SIGNALS	
									625	32000	2	EACH	GROUND ROD	
									630	97700	2	EACH	SIGNING, MISC.:SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	28
									632	26000	<u> </u>	EACH	PEDESTRIAN PUSHBUTTON	
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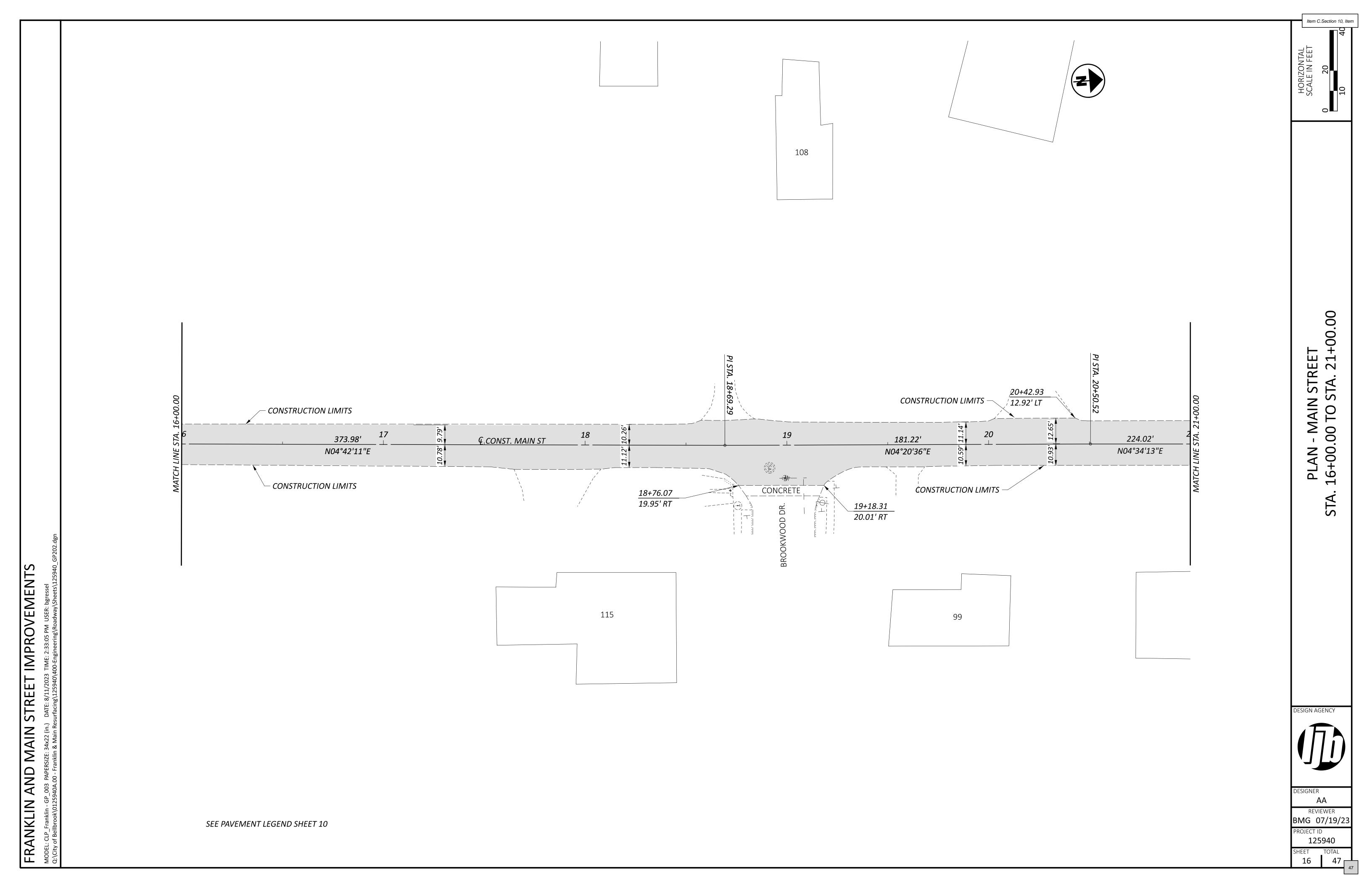


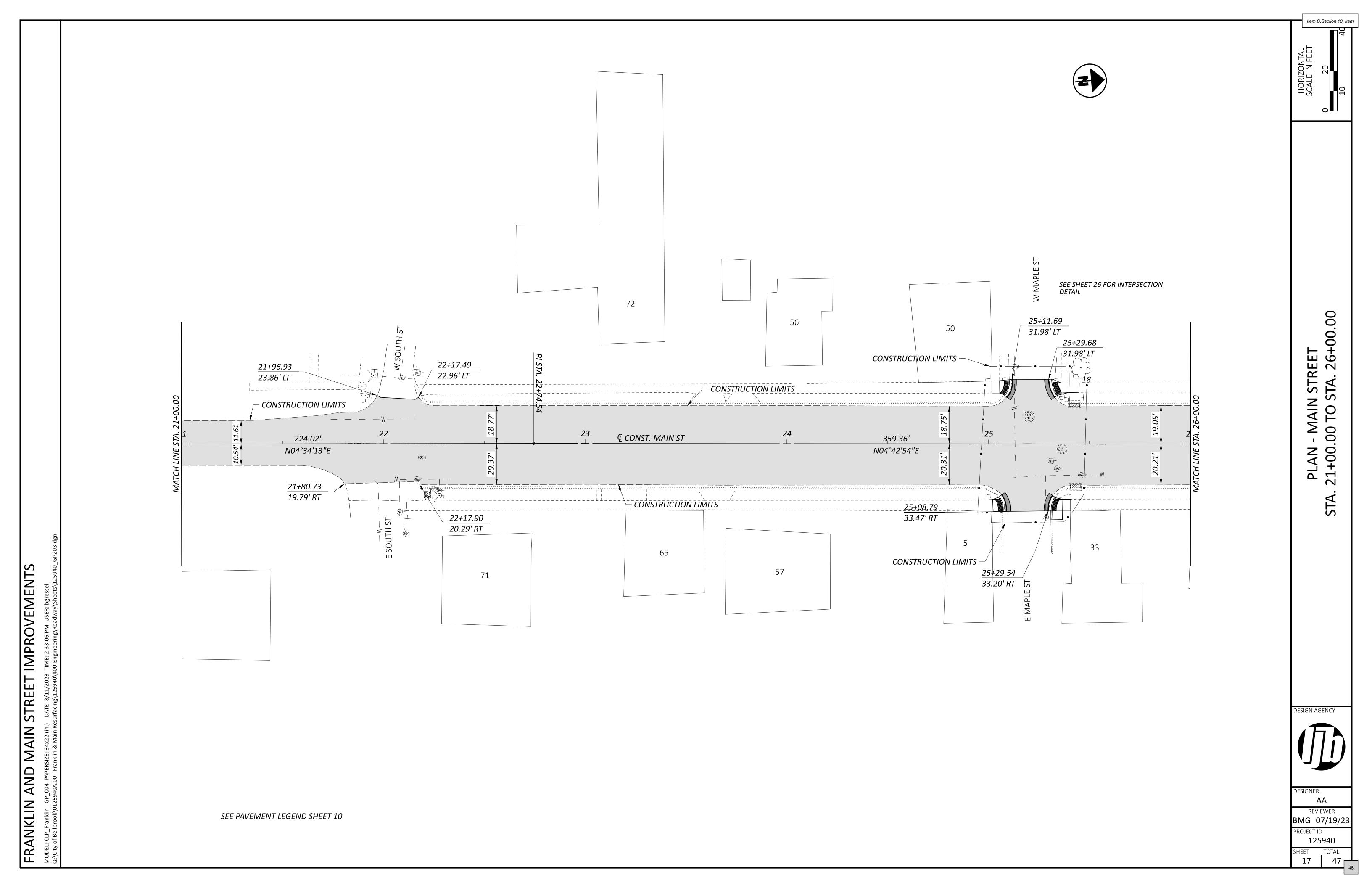


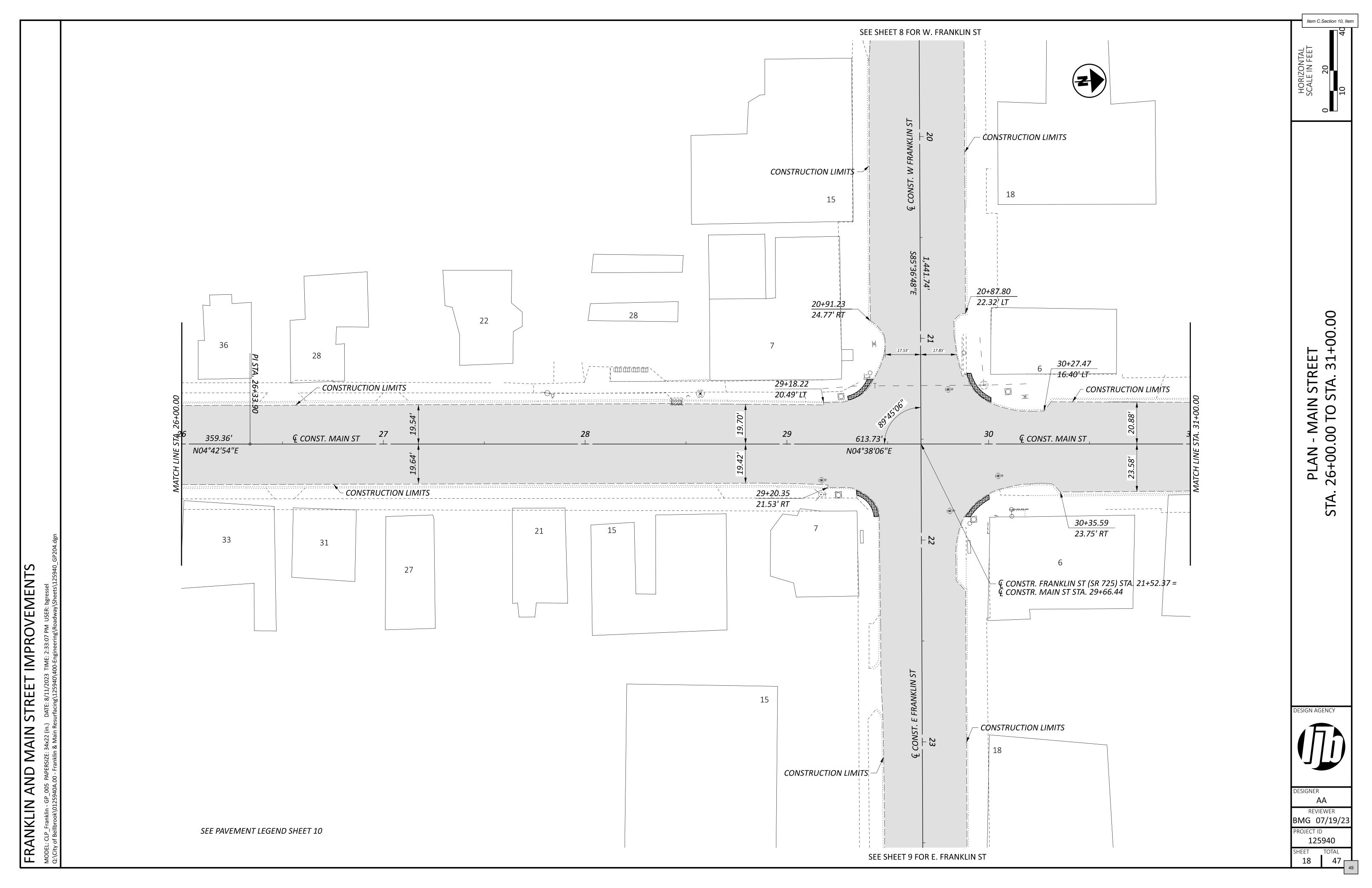


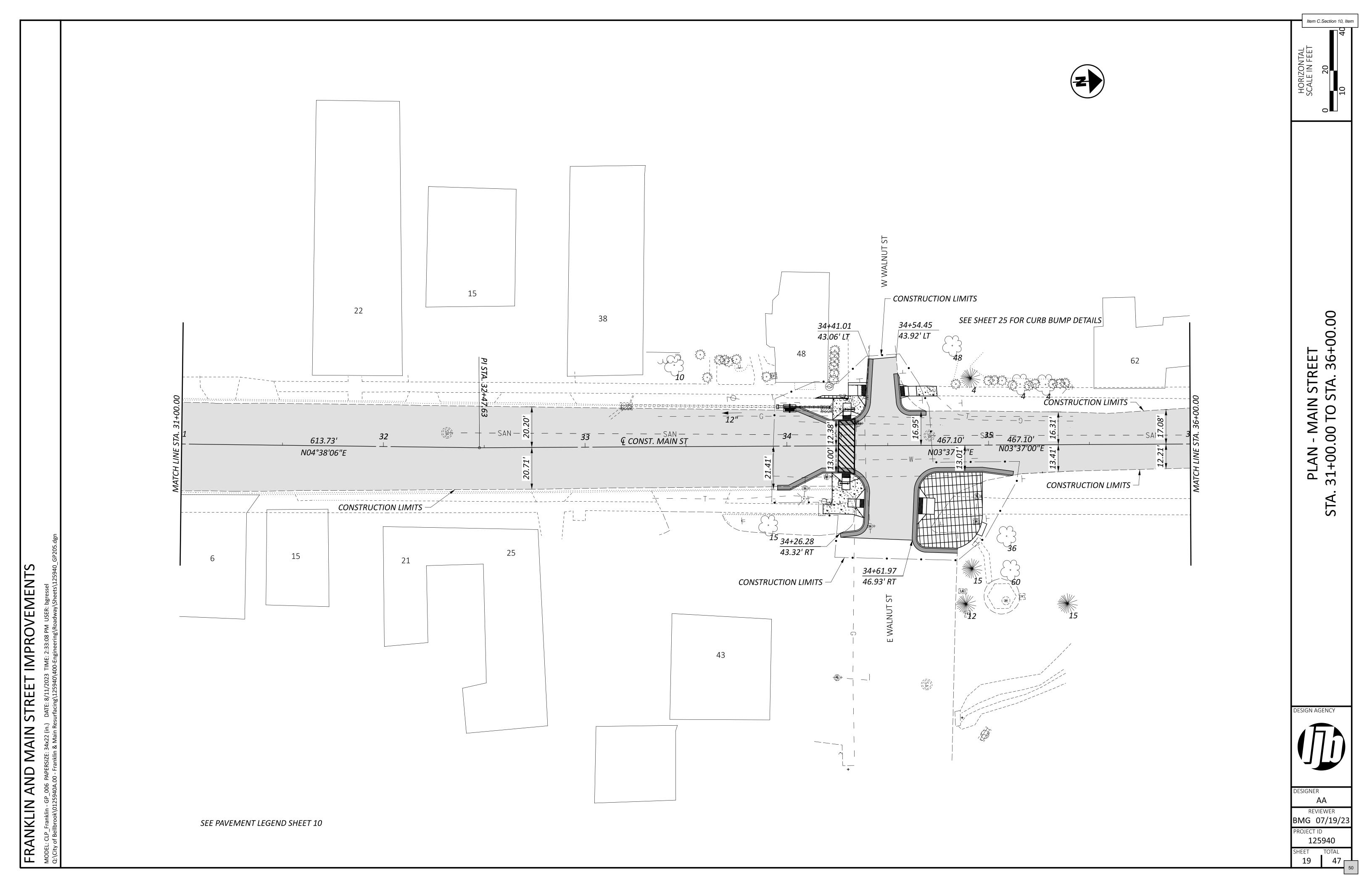


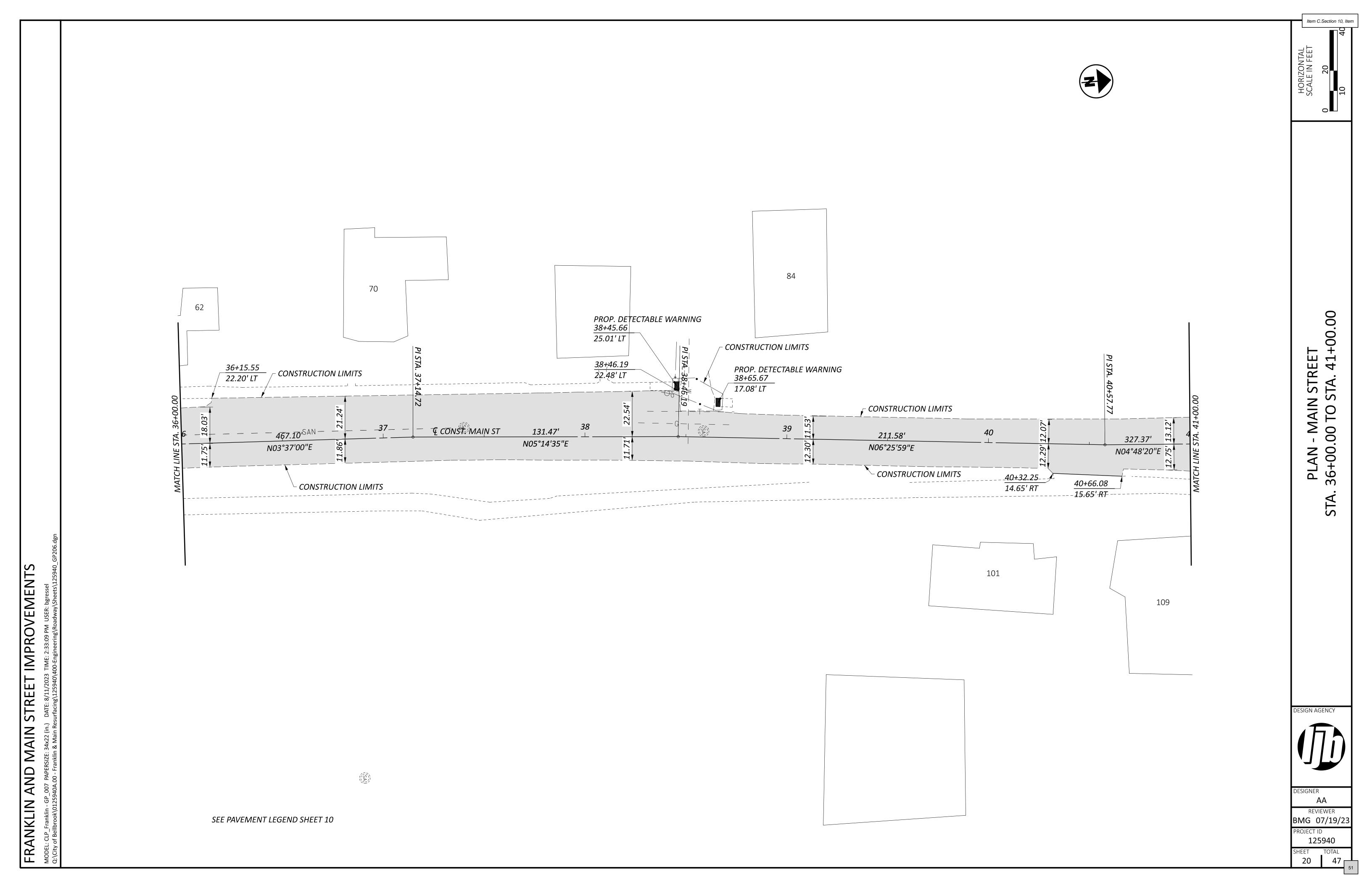
HORIZONTAL SCALE IN FEET PLAN - MAIN STREET 11+18.91 TO STA. 16+00.00 – BRIDGE OVER LITTLE SUGAR CREEK BEGIN WORK STA. 11+18.91 11+18.91 14.97' LT - CONSTRUCTION LIMITS € CONST. MAIN ŞT 373.98' 495.31' N04°42'11"E N04°59'14"E CONSTRUCTION LIMITS 11+19.39 CONSTRUCTION LIMITS 13.41' RT ST FRANKLIN AND MAIN STREET IMPROVEMENTS AA REVIEWER
BMG 07/19/23
PROJECT ID
125940 SEE PAVEMENT LEGEND SHEET 10

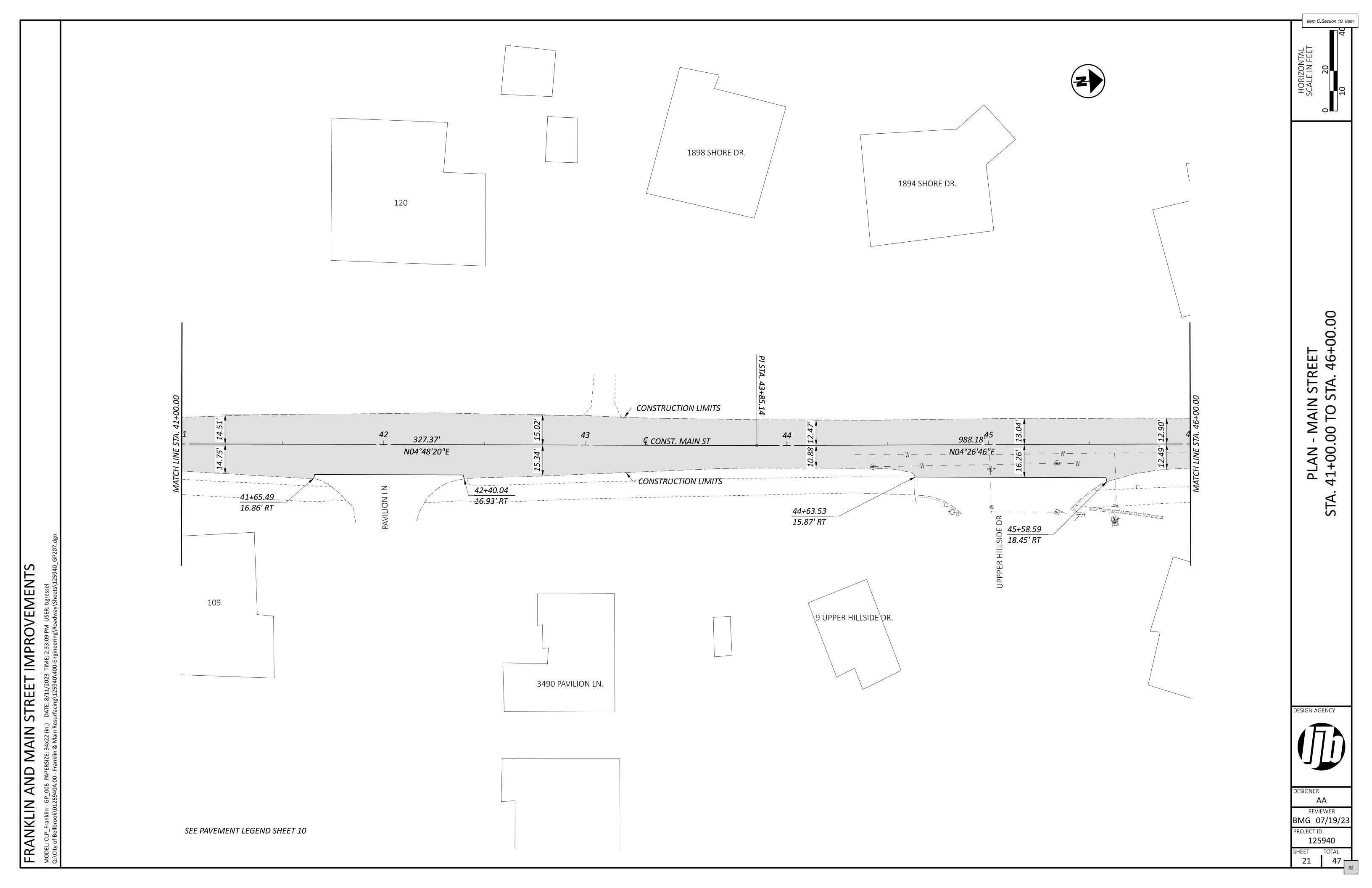


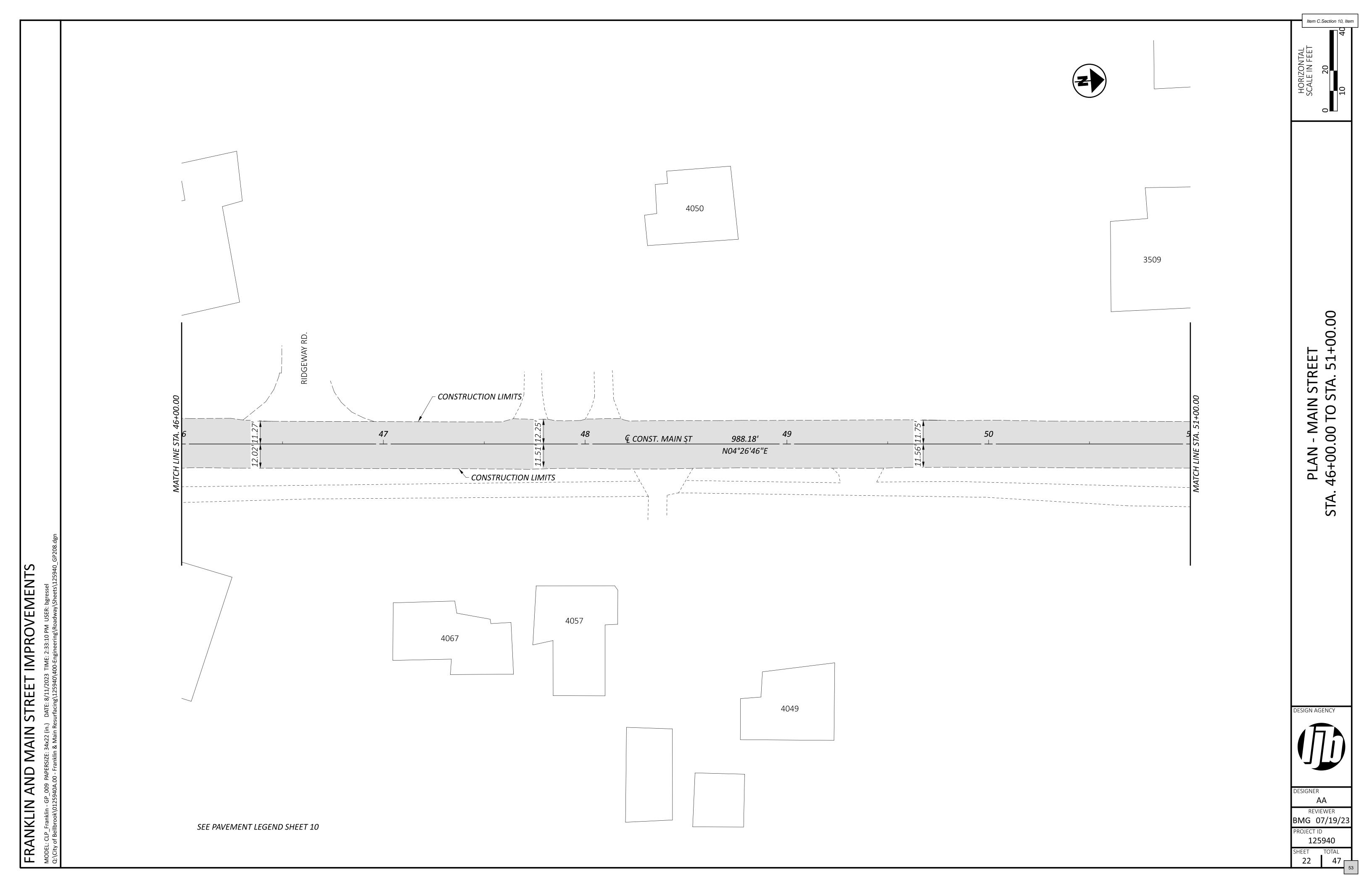


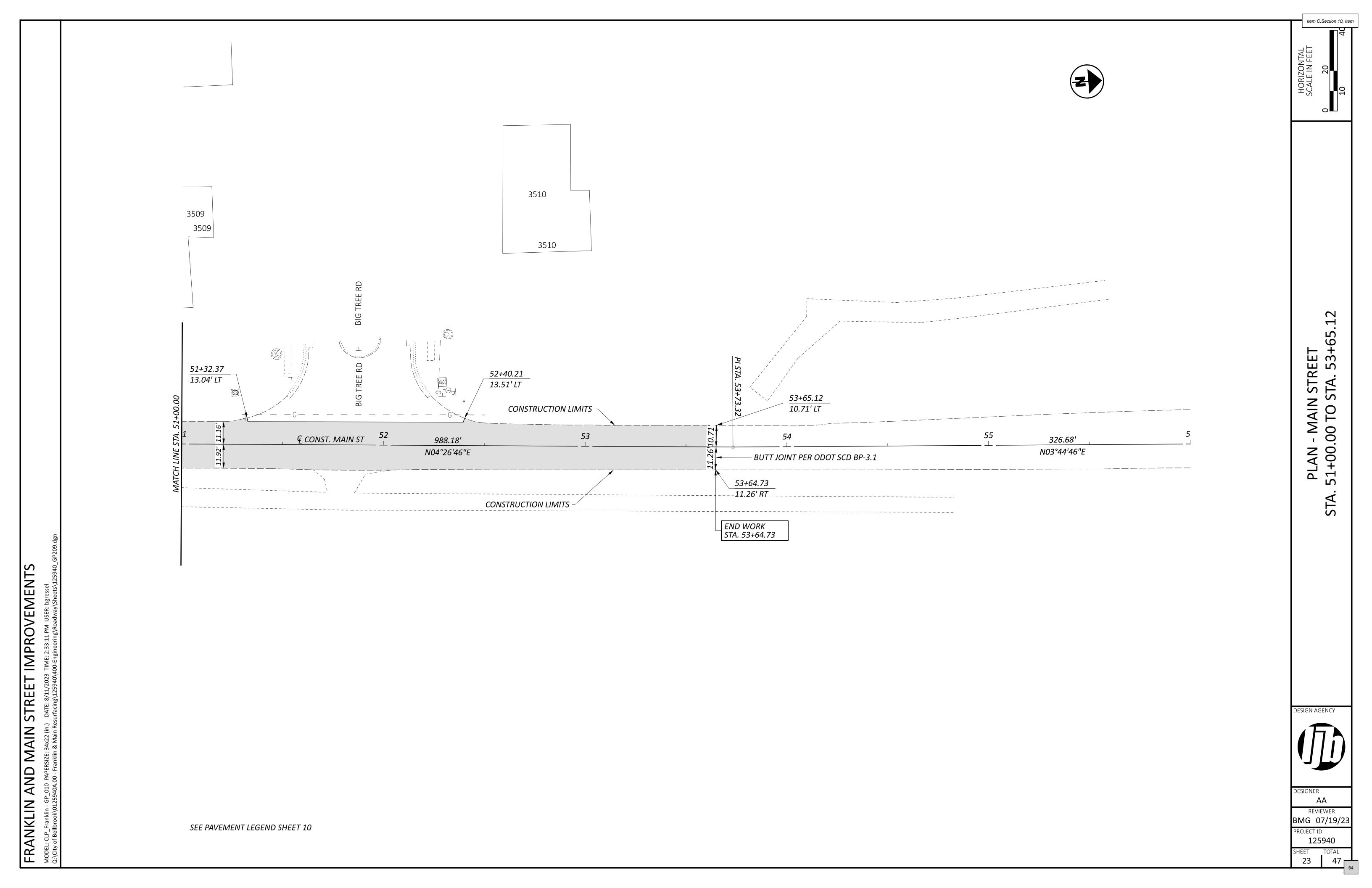


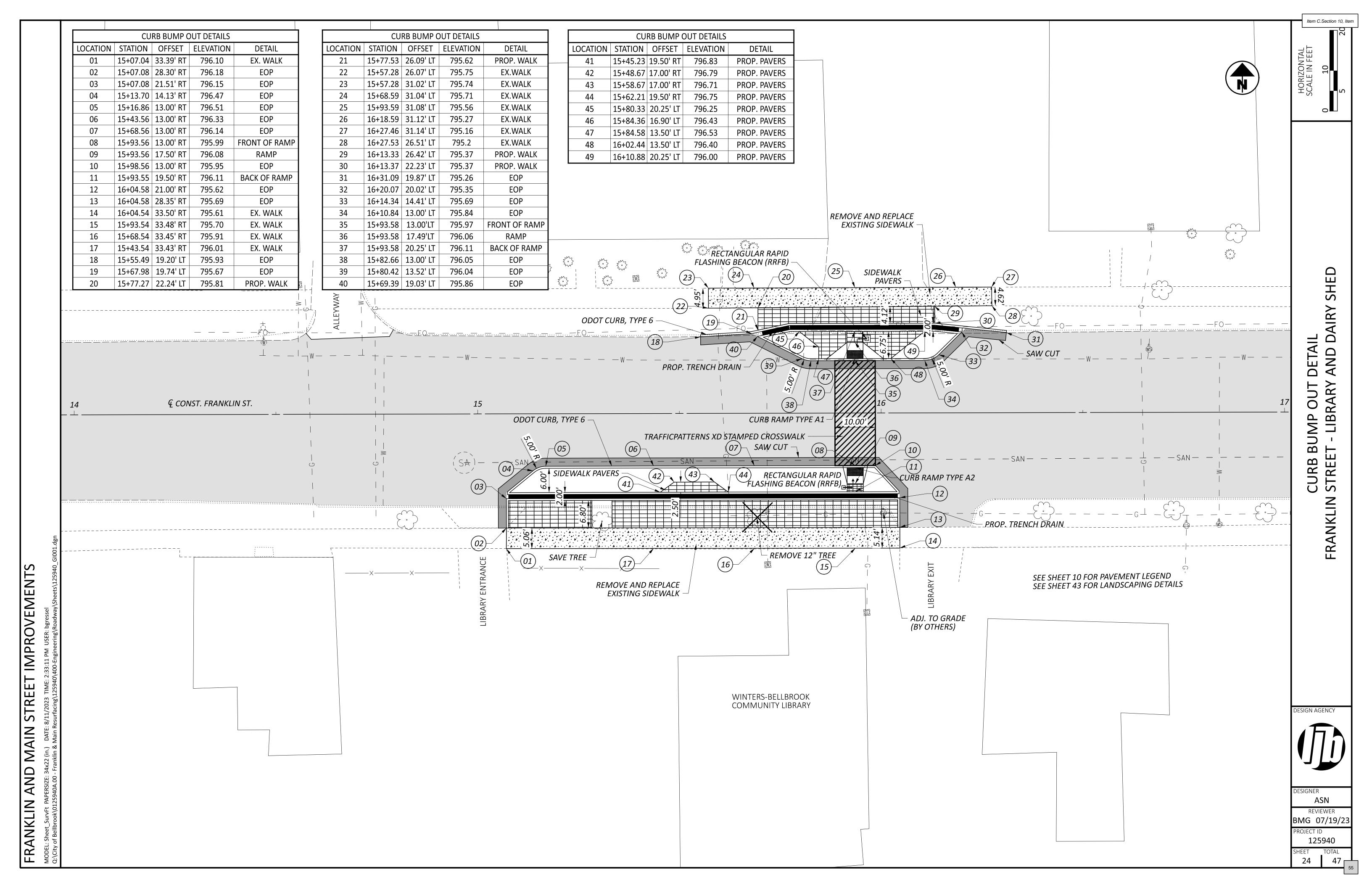


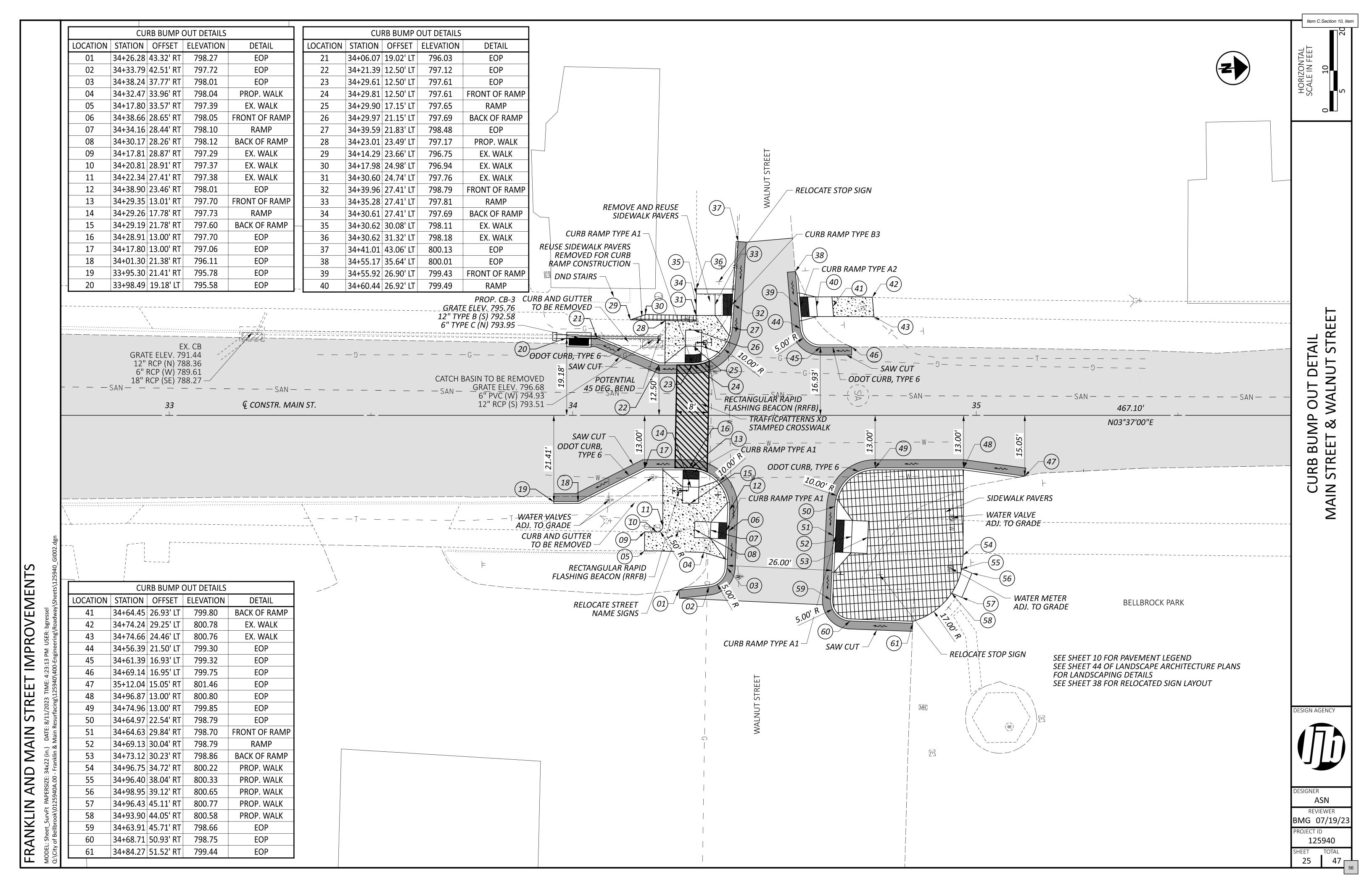


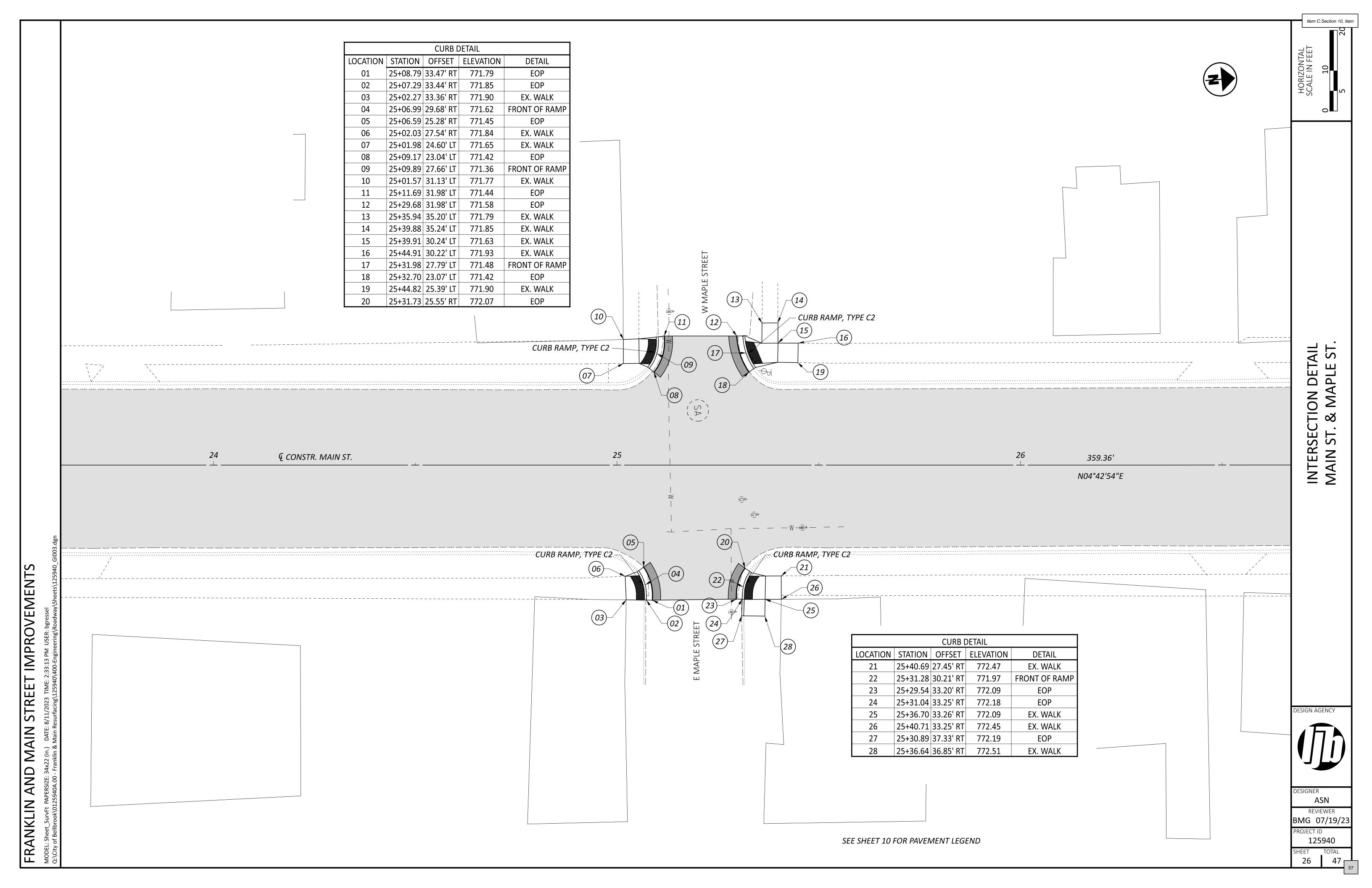


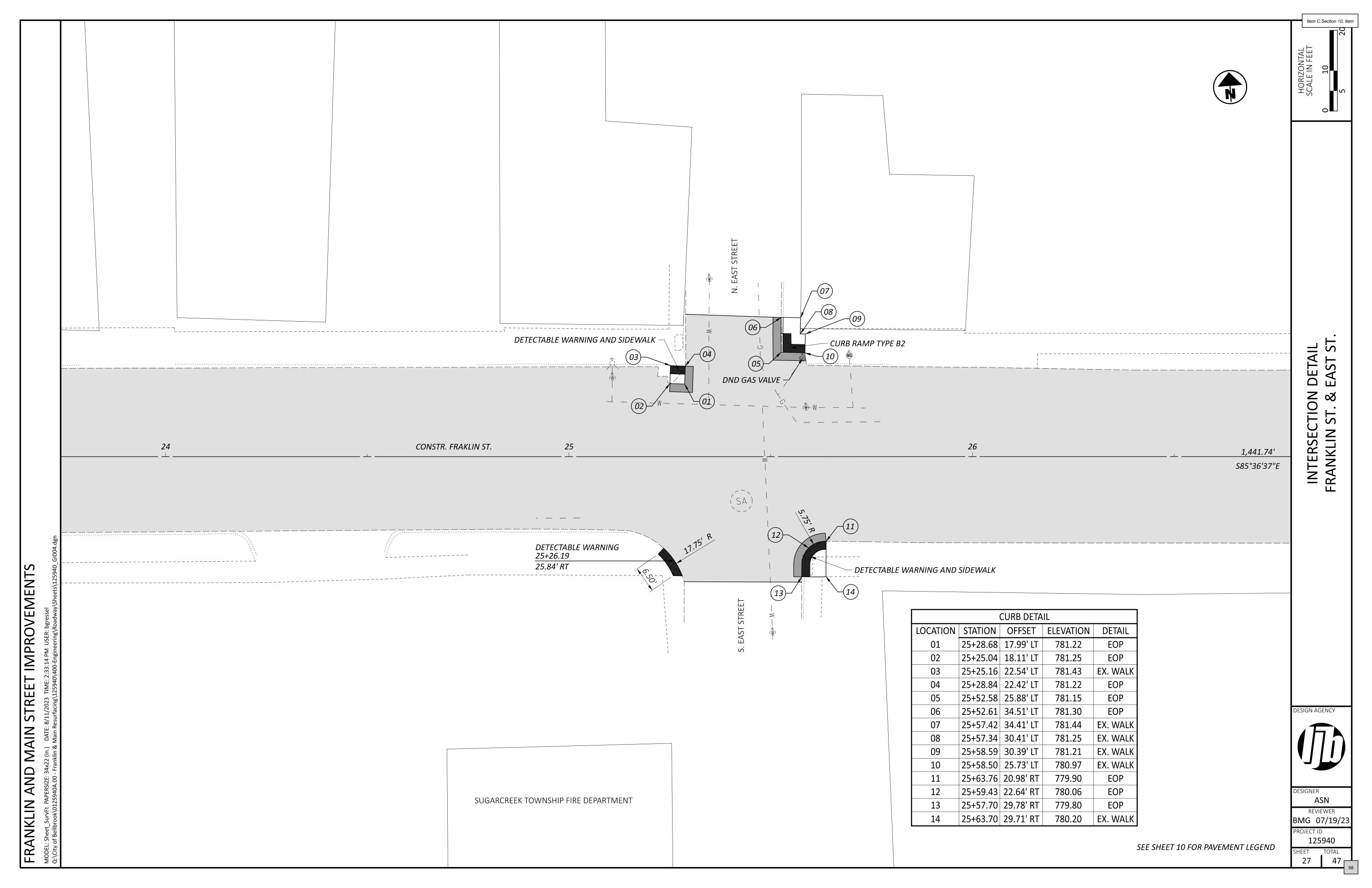












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ENERAL

5

CONTROL

TRAFFIC

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND FHWA INTERIM APPROVAL FOR RRFBS (IA-21).

GENERAL REQUIREMENTS -

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

EACH RRFB SHALL CONTAIN A PEDESTRIAN INDICATION LIGHT VISIBLE BY THE PEDESTRIAN IN THE DIRECTION OF TRAVEL.

FUNCTIONAL REQUIREMENTS -

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

MATERIALS -

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

- 1. RRFB INDICATIONS
- A. EACH RRFB INDICATION LENS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.
- B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.
- C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.

- D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.
- E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED *JANUARY, 2005.*
- F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.
- G. An LED PEDESTRIAN CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.
- H. THE PEDESTRIAN CONFIRMATION LIGHT SHALL HAVE A MINIMUM AREA OF 0.5 SQUARE INCHES AND BE CONSPICUOUS TO PEDESTRIANS AT ALL DISTANCES FROM THE BEGINNING OF THE CONTROLLED CROSSWALK TO A POINT 10 FEET FROM THE END OF THE CONTROLLED CROSSWALK DURING BOTH DAY AND NIGHT.

2. SIGNS

- A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.
- B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
- C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.
- D. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.
- 3. CONTROL CIRCUIT
- A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP T TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.
- B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.
- C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.
- 4. BATTERY AND SOLAR PANELS
- A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL

REPLACEMENT WARRANTY.

- B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.
- C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES - 60 DEGREES TO PROVIDE MAXIMUM OUTPUT.
- D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.

5. WIRELESS RADIO

- A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.
- B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.
- C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.

6. PUSHBUTTON

- A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.
- B. PUSHBUTTON SHALL BE ADA COMPLIANT.
- 7. PEDESTAL SHAFT AND BASE MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH TRANSFORMER BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST.

CONSTRUCTION -

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY -

WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT-

THE DEPARTMENT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT -

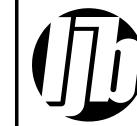
PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 "SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY".

PEDESTAL, 8' TRANSFORMER BASE

THE EXTERIOR OF PEDESTALS AND BASES PROVIDED AS PART OF THE "ITEM 630, SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)" SHALL BE POWDER COATED BLACK AFTER GALVANIZING IN ACCORDANCE WITH ODOT SUPPLEMENTAL SPECIFICATION 916.

PAYMENT SHALL BE INCIDENTAL TO "ITEM 630, SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)".

ESIGN AGENCY



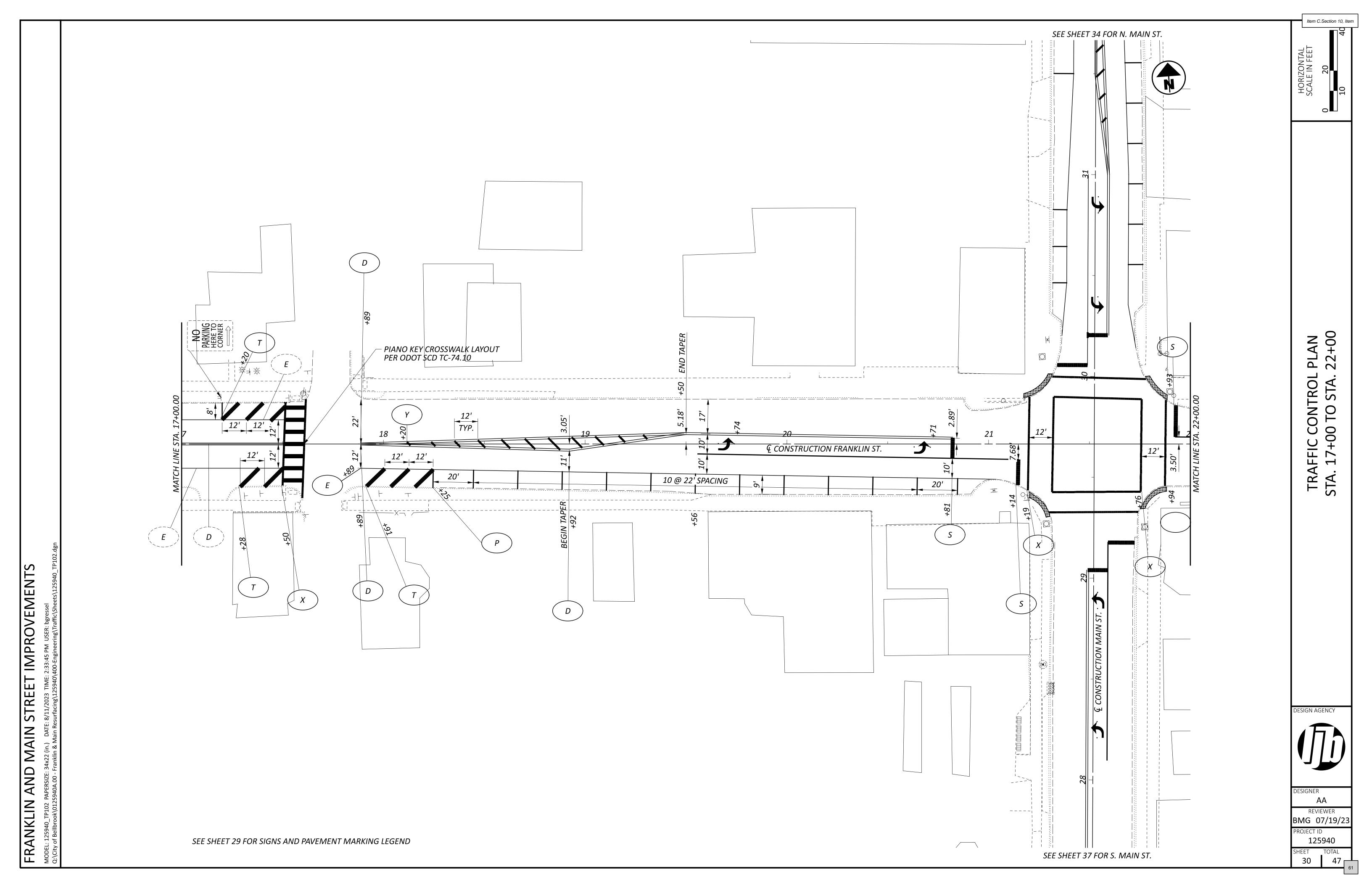
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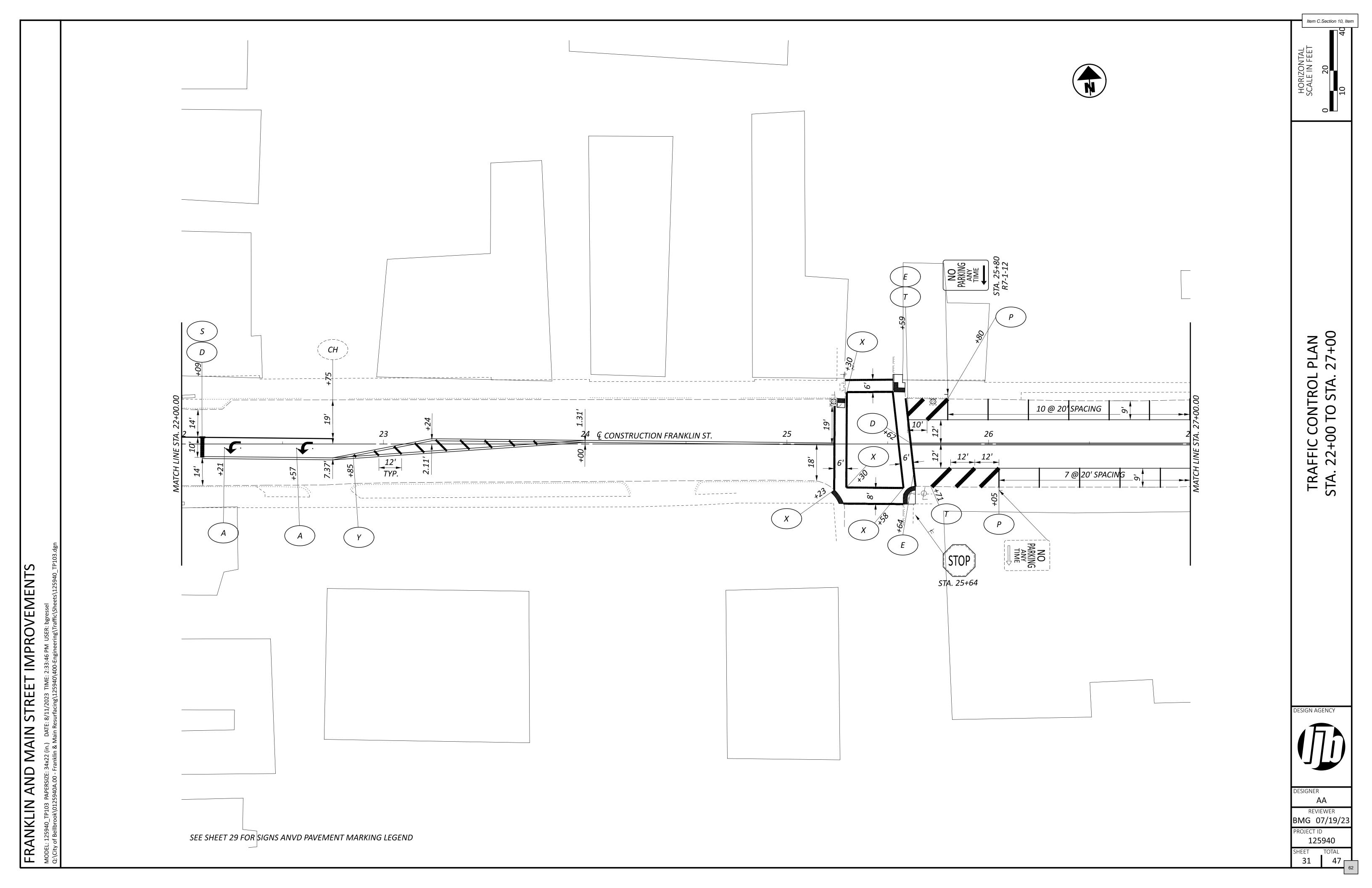
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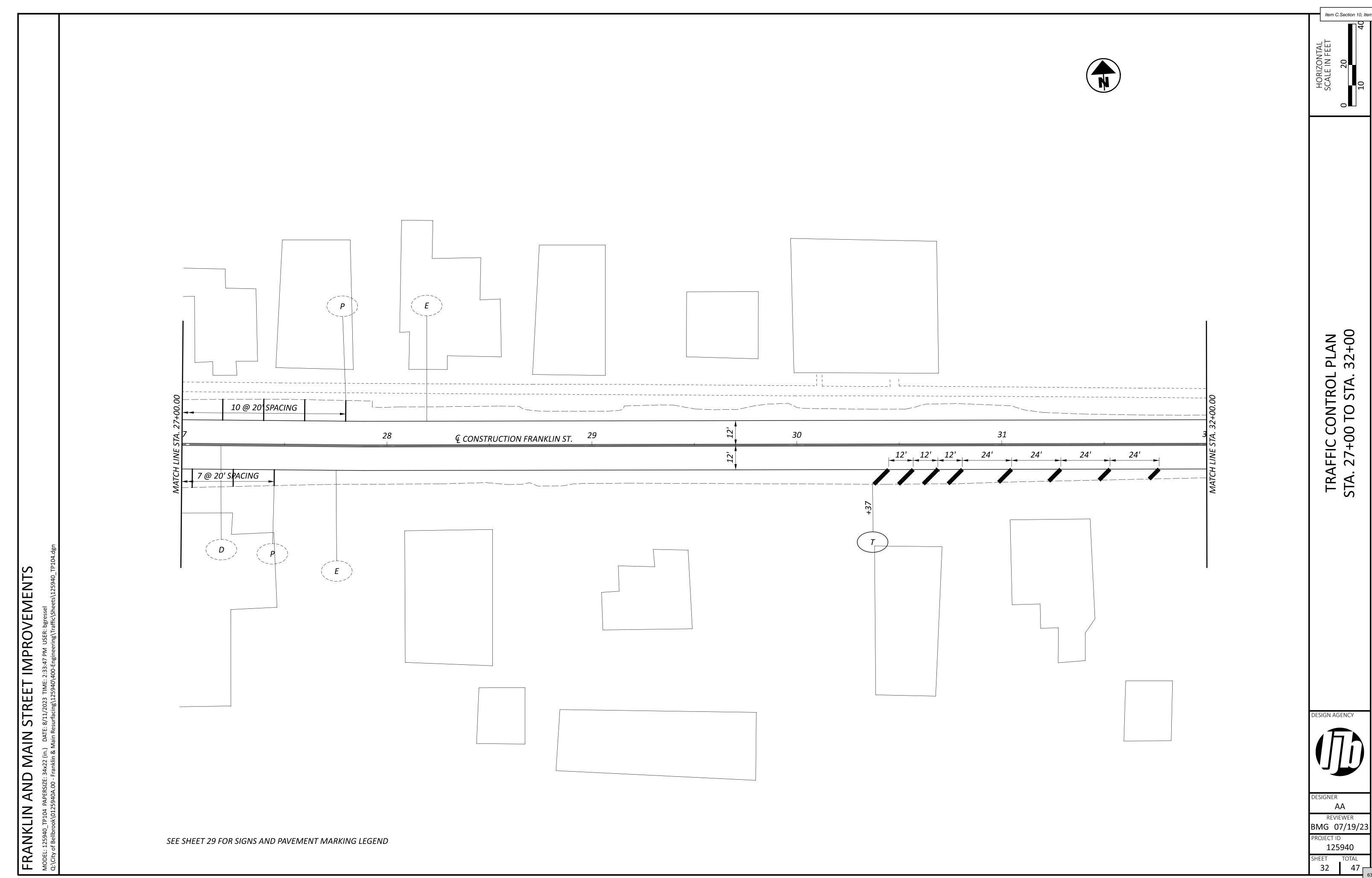
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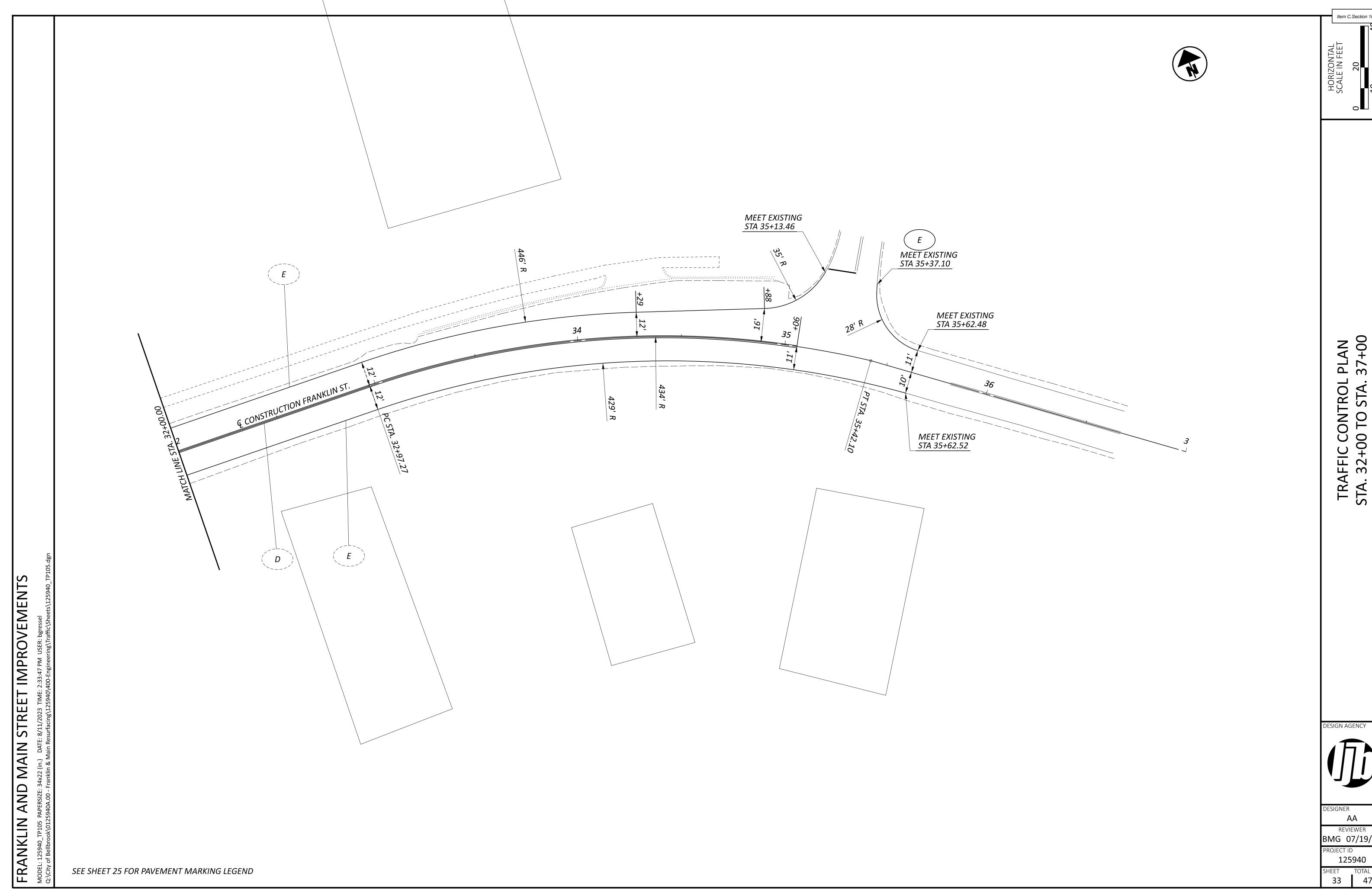
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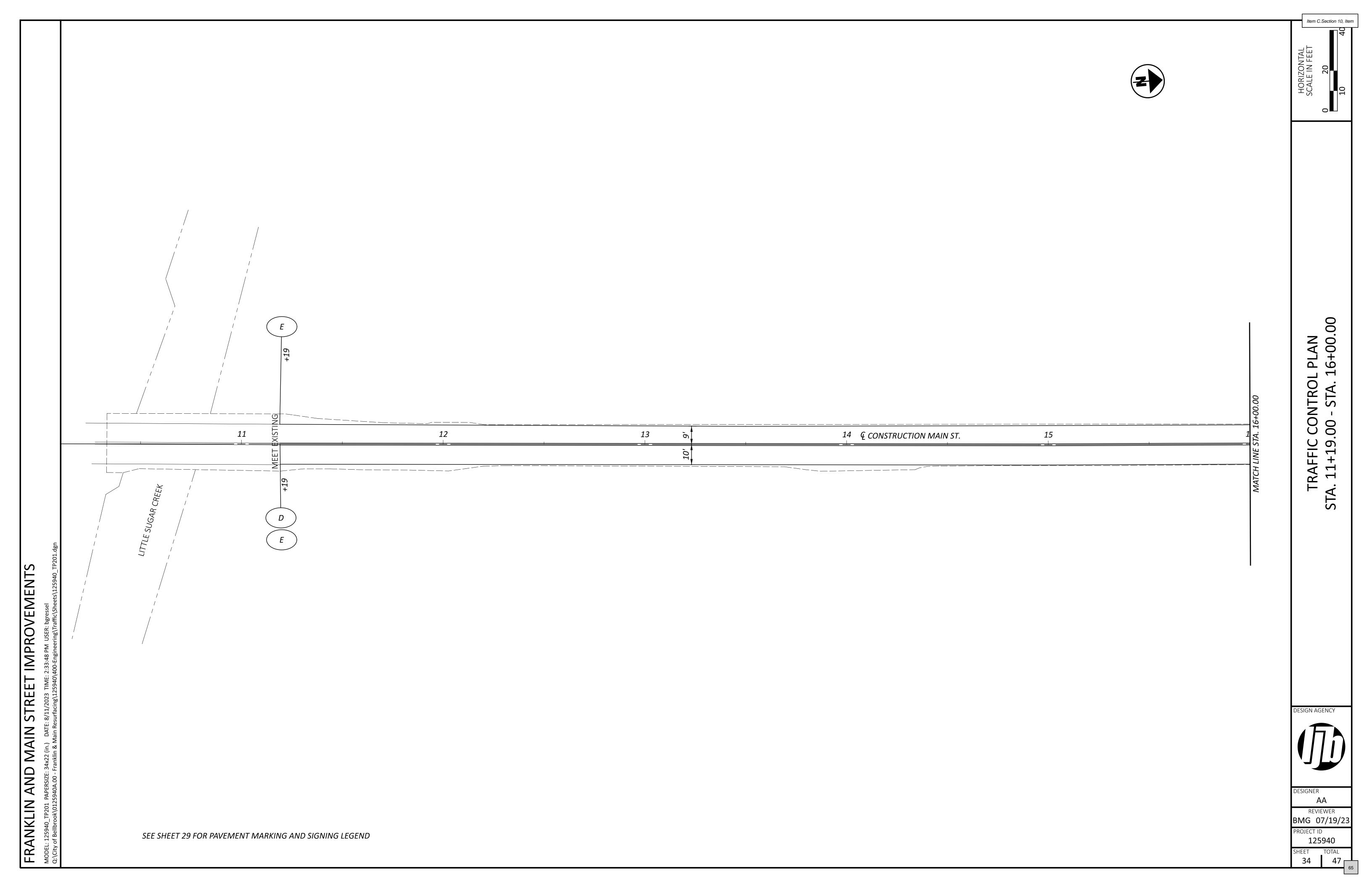


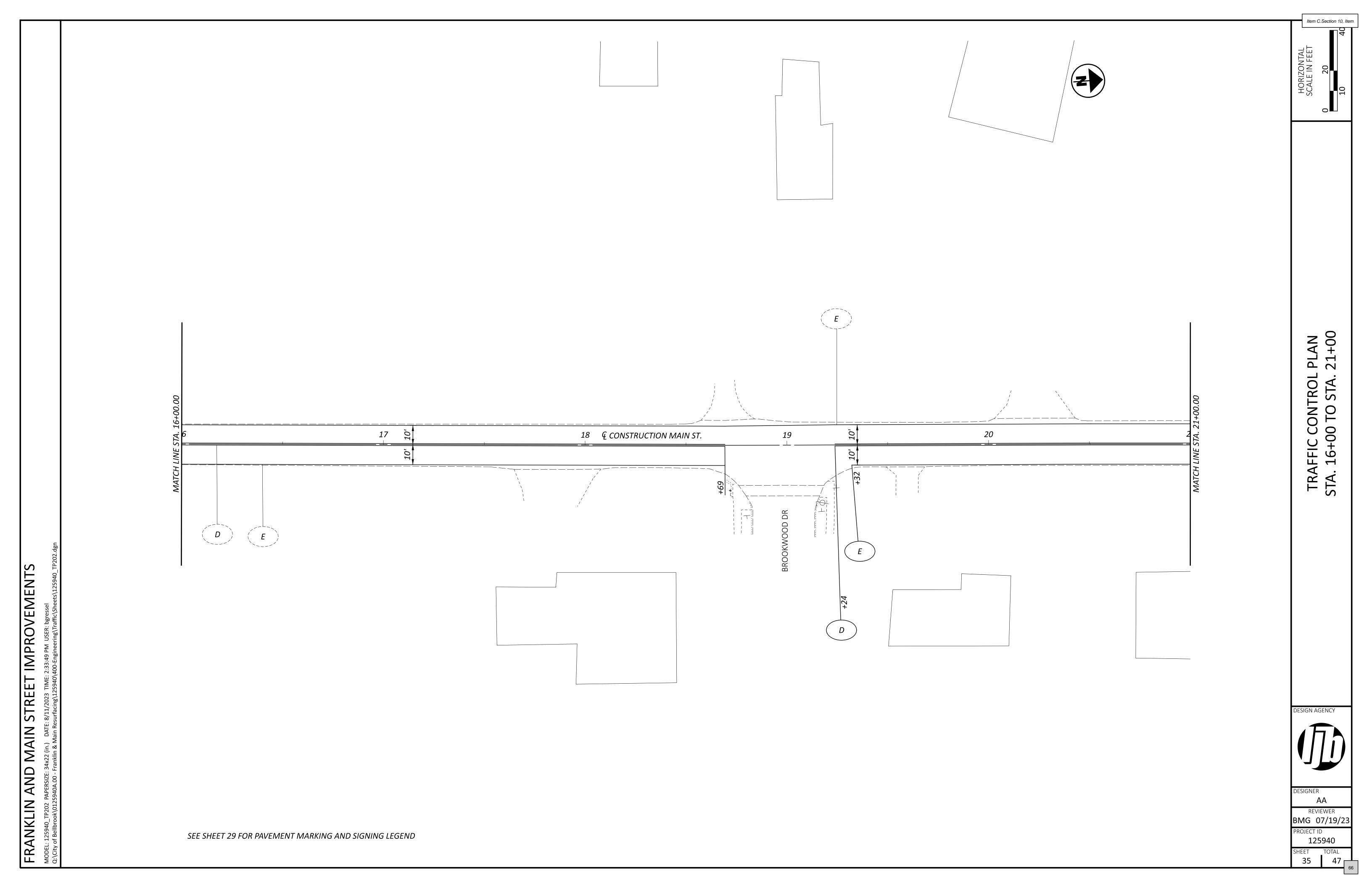


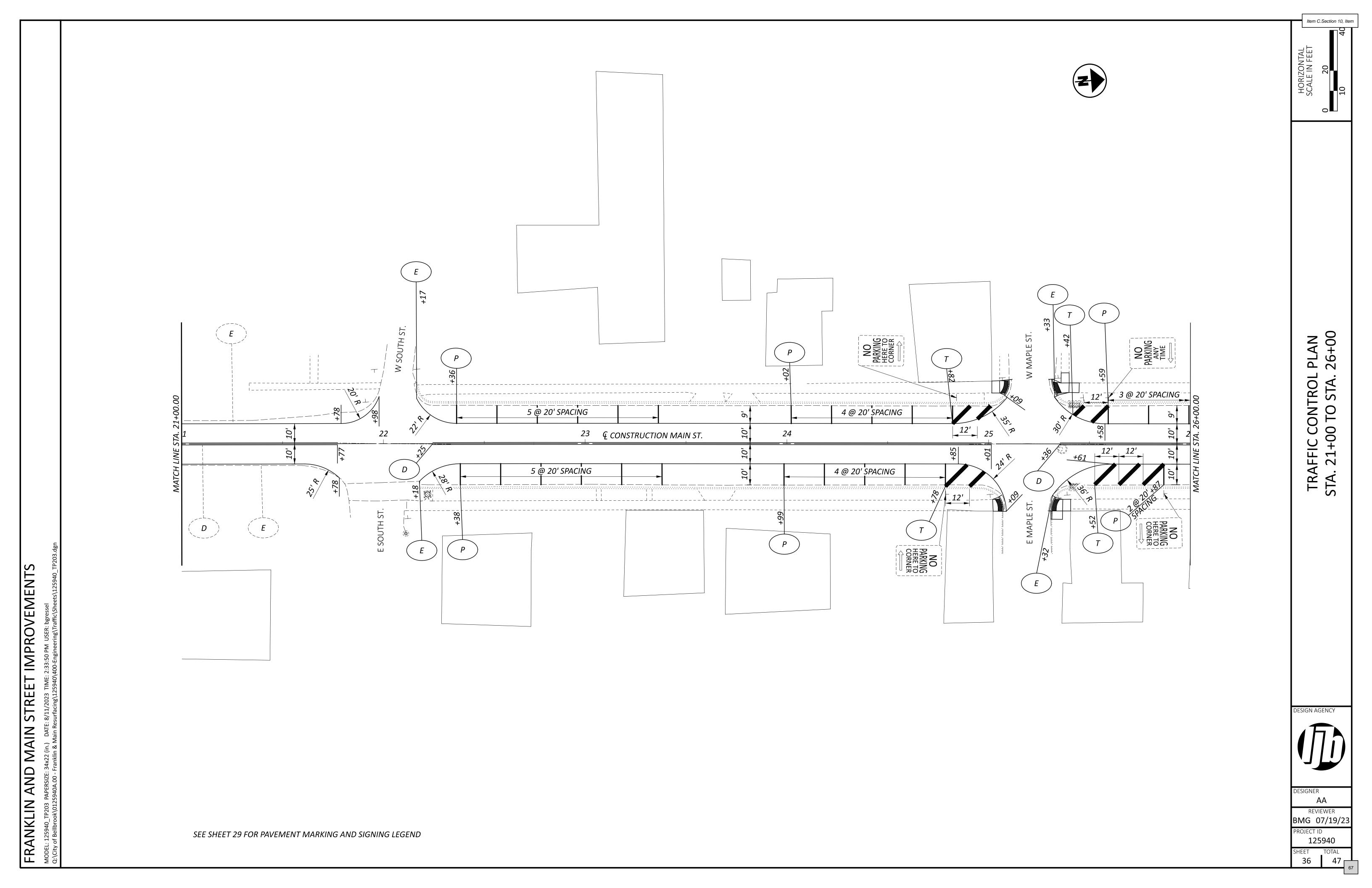


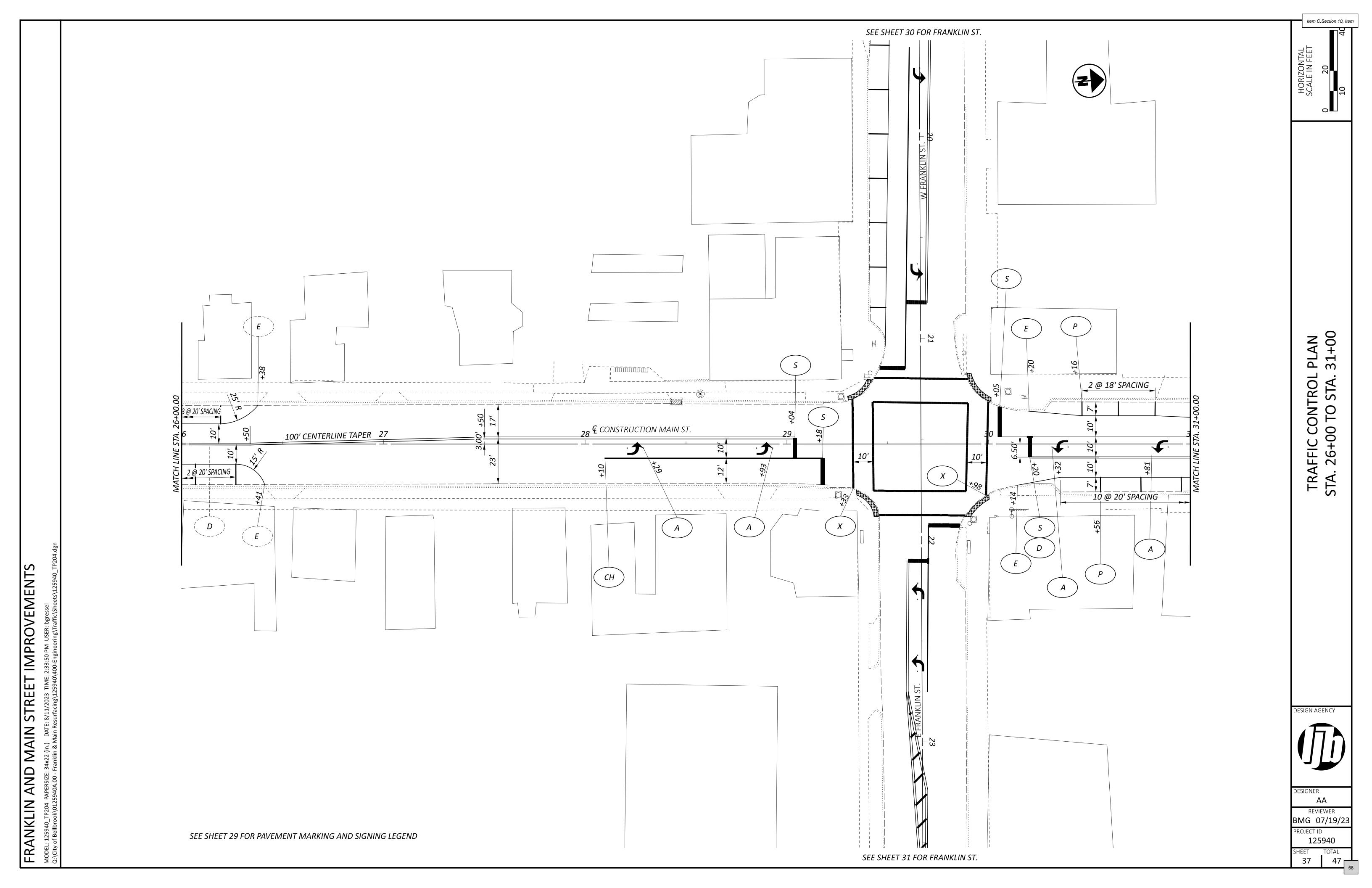


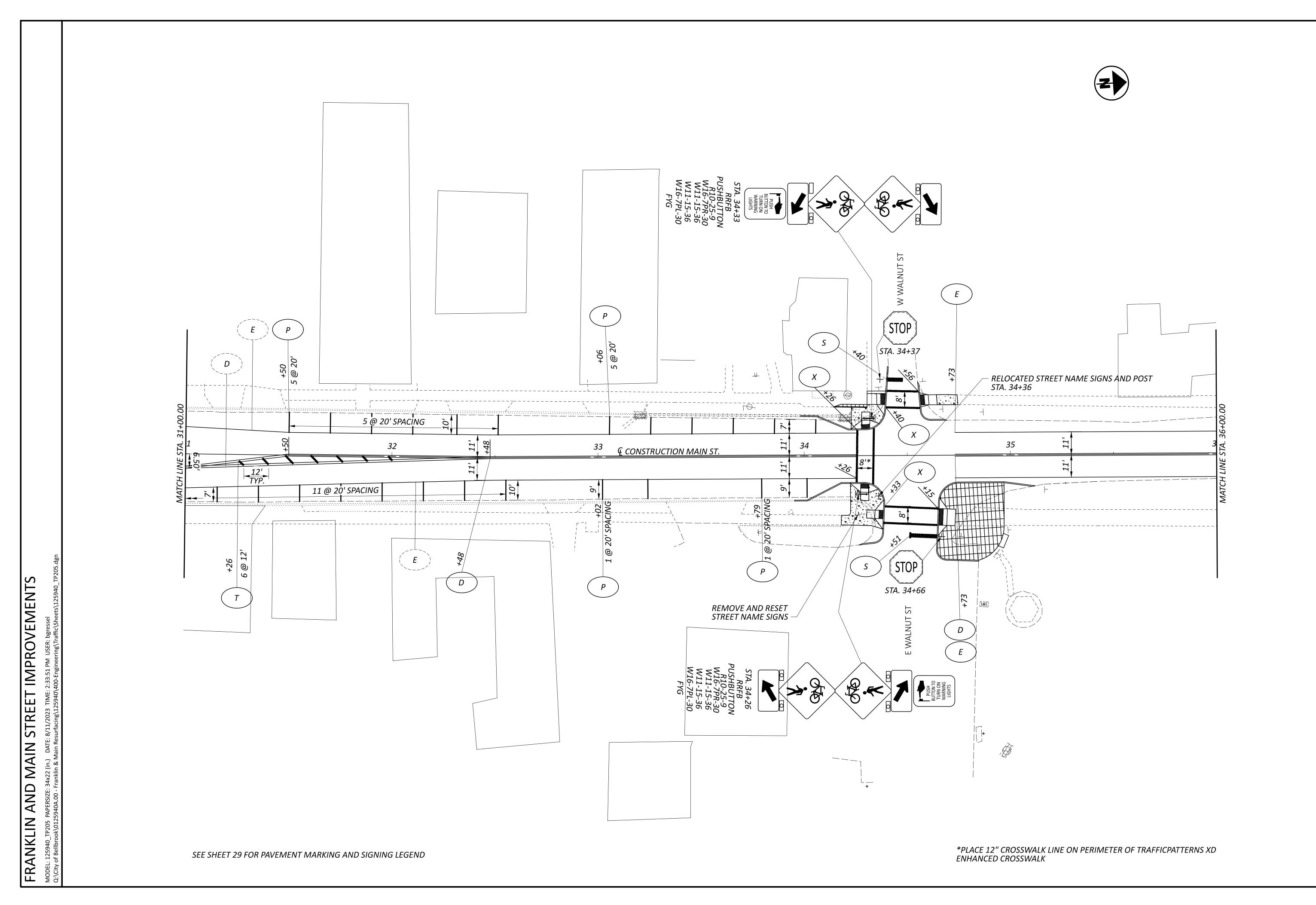
REVIEWER
BMG 07/19/23
PROJECT ID
125940











TRAFFIC CONTROL PLAN STA. 31+00.00 - STA. 36+00.00

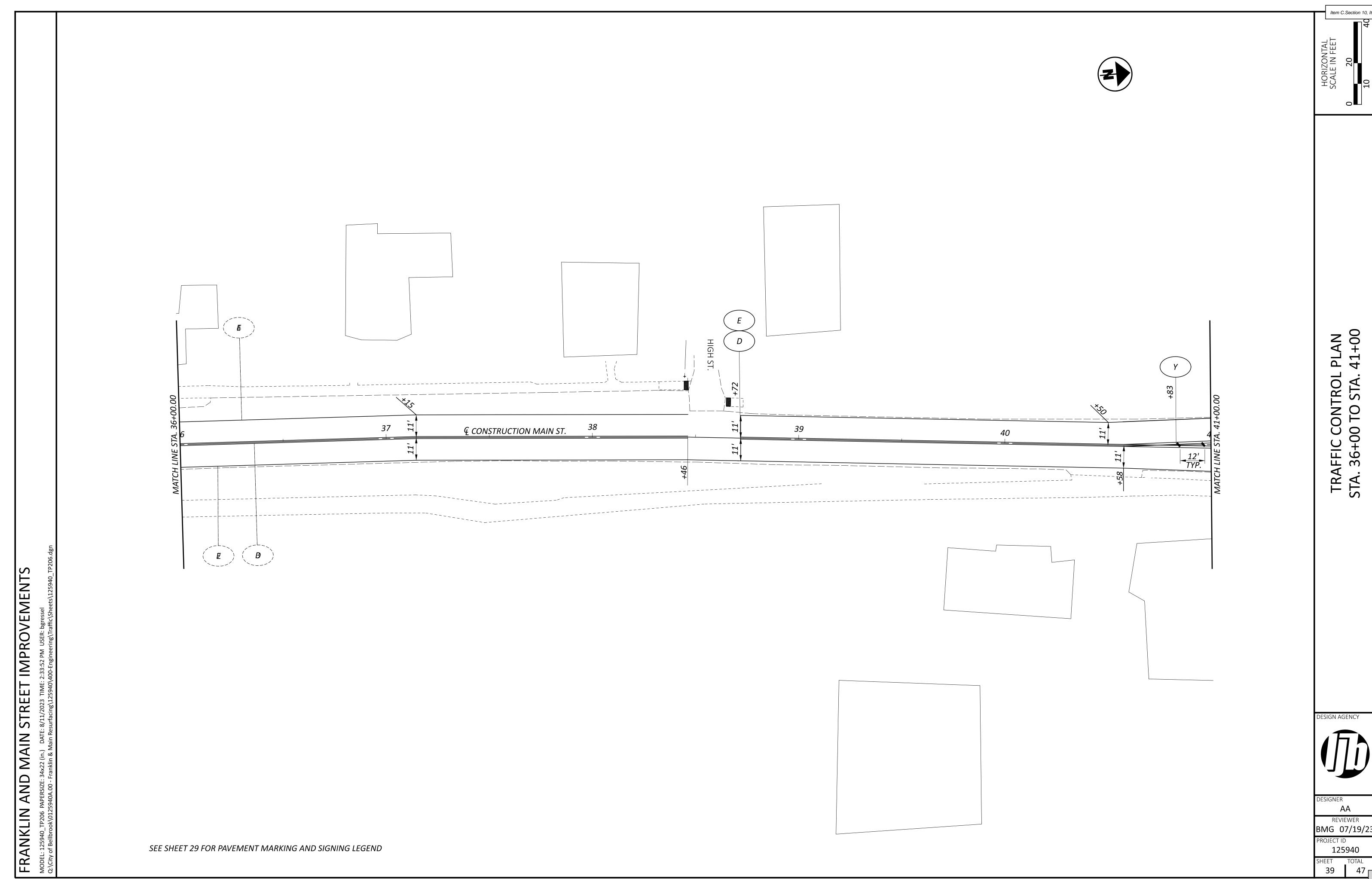
Item C.Section 10, Item

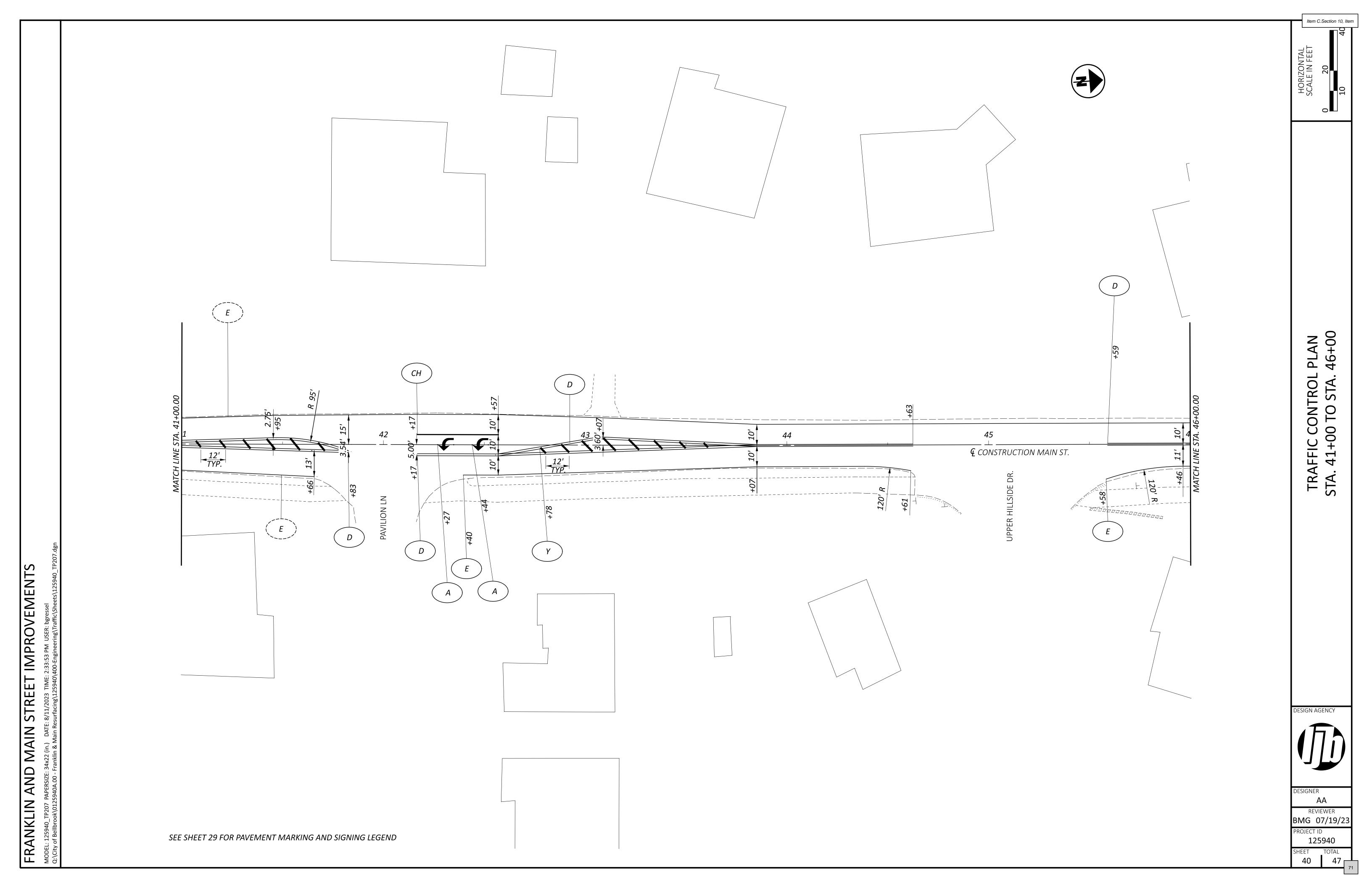
DESIGN AGENCY

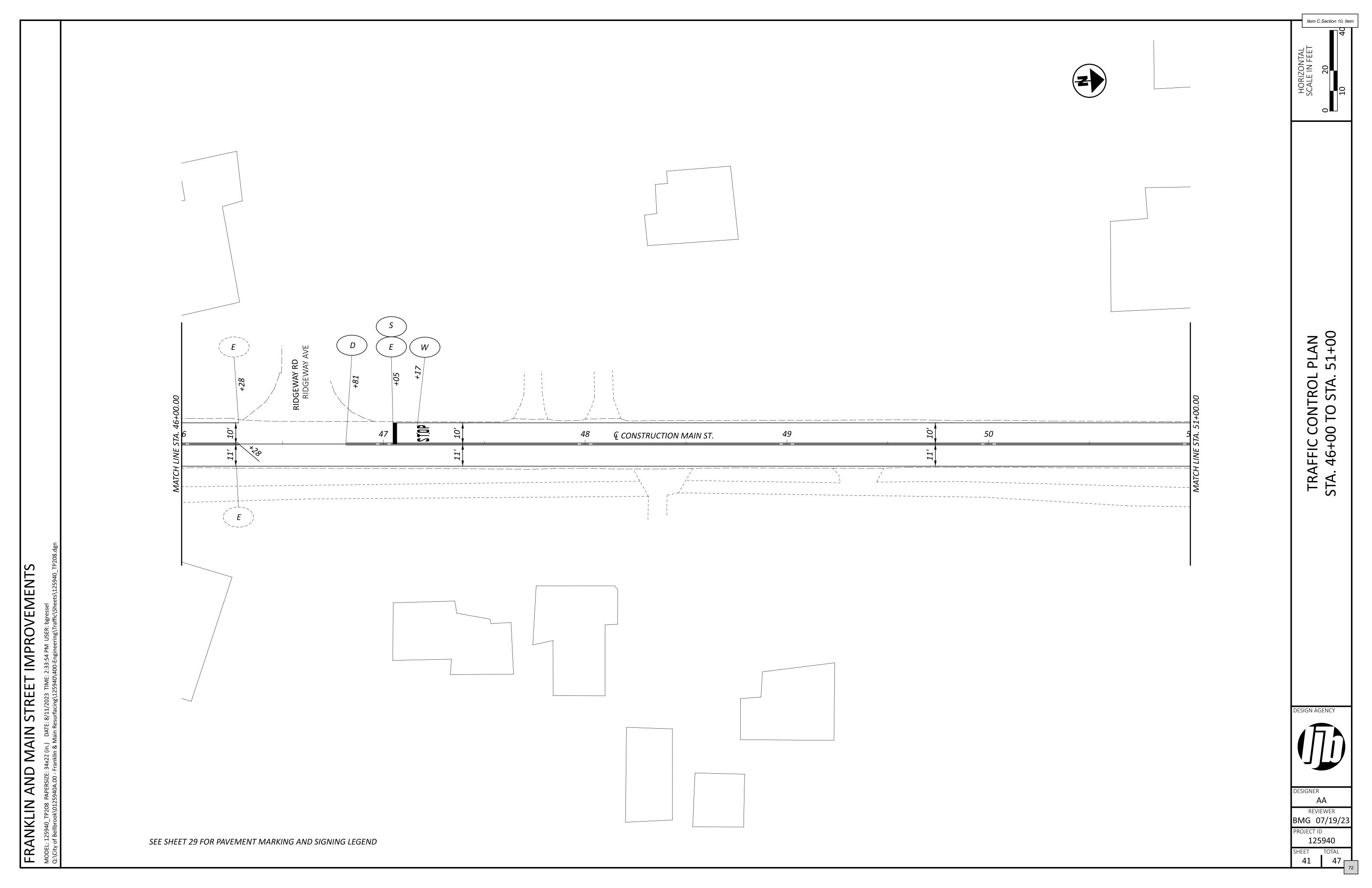
designer **AA**

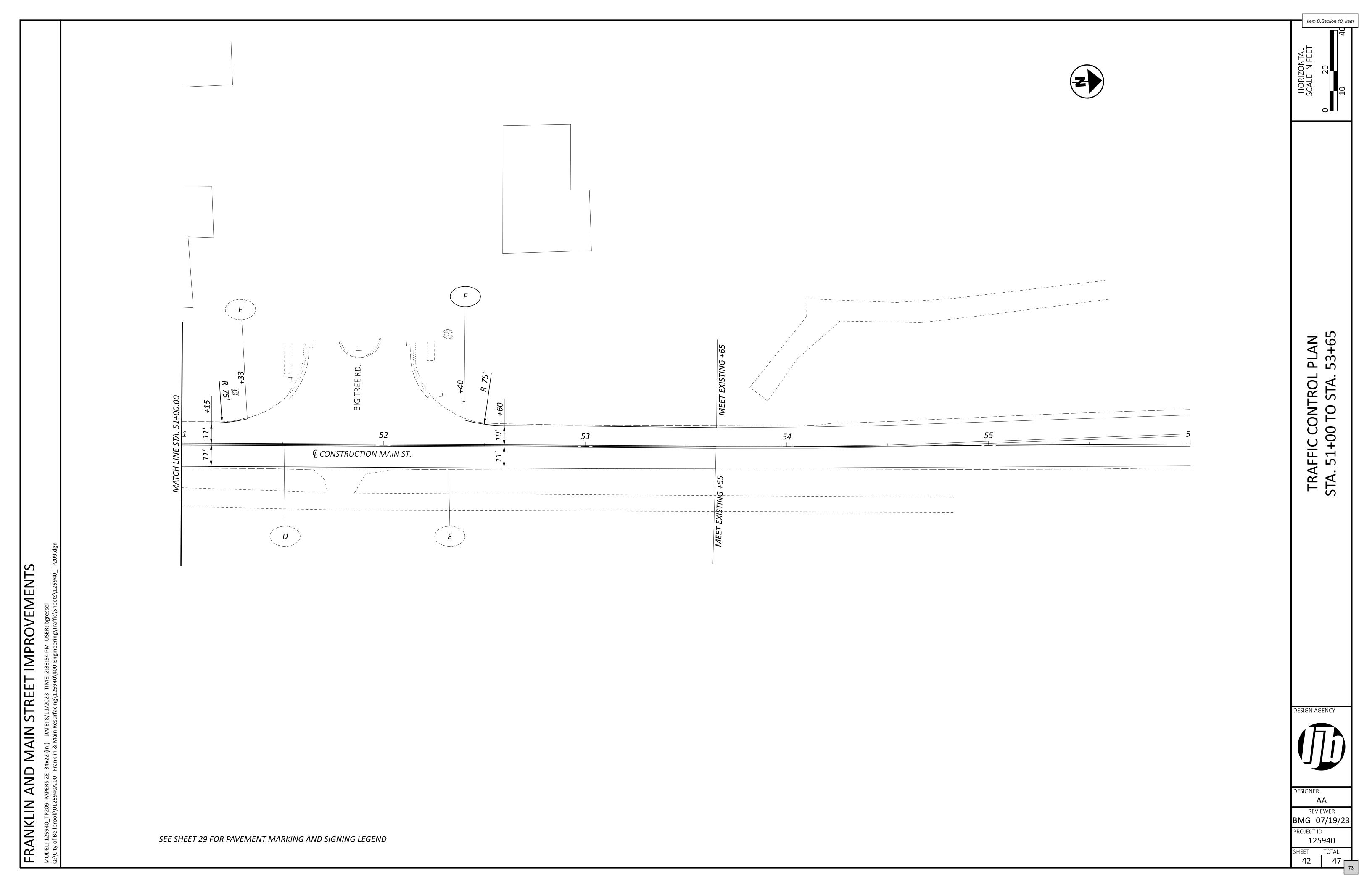
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LEGEND

TURF SEED

CONCRETE, SEE CIVIL DRAWINGS

PAVERS, SEE CIVIL DRAWINGS

SHRUBS & PERENNIALS, SEE DETAILS 2-5 / SHEET 3

PROPOSED LIGHT POLE LOCATION; NOT INSTALLED IN THIS PHASE

ITEM 690E98000 SPECIAL - BENCH, SEE DETAIL 4/ SHEET 46

ITEM 690E98000 SPECIAL - PLANTER, SEE DETAIL 1/ SHEET 46

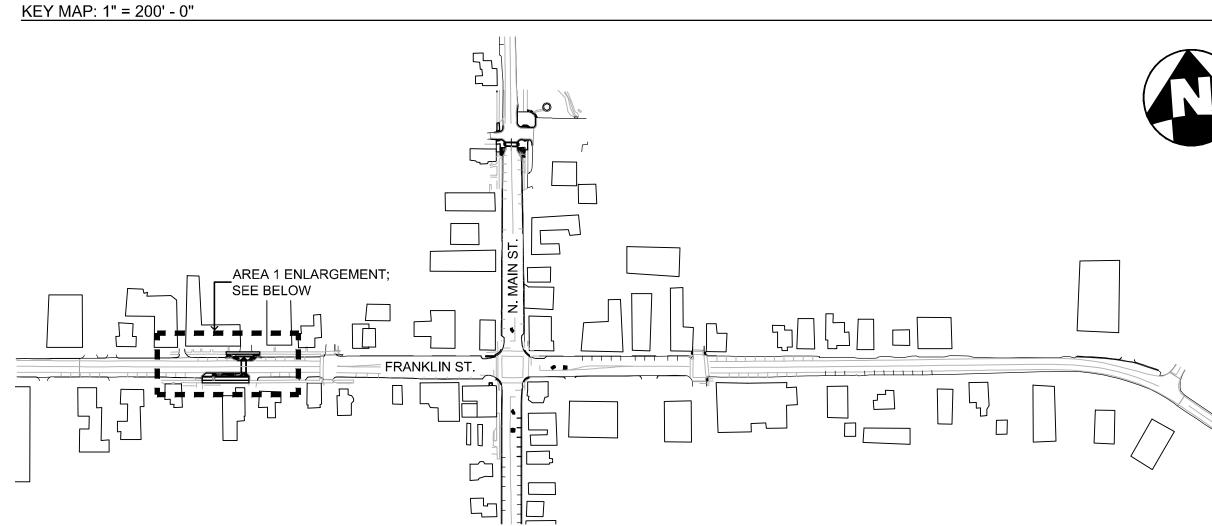
ITEM 690E50560 SPECIAL - BIKE RACK, SEE DETAIL 3/ SHEET 46

ITEM 690E98000 SPECIAL - BOULDER, SEE DETAIL 6/ SHEET 45

ITEM 680E14550 SPECIAL - TRASH RECEPTACLE, SEE DETAIL 2/ SHEET 46

EXISTING TREE TO REMAIN

KEY	ITEM	UNIT	DESCRIPTION	SIZE	QTY.	COMMON NAME	SPACING
	659E10001	SF	SEEDING, AS PER PLAN		150	TURF SEED	
	661E00501	CY	MULCH, AS PER PLAN		4	MULCH	
LIR	661E14001	EACH	PERENNIALS (LIRIOPE MUSCARI), AS PER PLAN	#1 CONT.	24	LIRIOPE	12" O.C.
NEP	661E14001	EACH	PERENNIALS (NEPETA FAASSENII 'CATS MEOW'), AS PER PLAN	#1 CONT.	38	CATS MEOW CATMINT	24" O.C.
SCH	661E14001	EACH	PERENNIALS (SCHIZACHYRIUM SCOPARIUM), AS PER PLAN	#1 CONT.	49	LITTLE BLUESTEM	15" O.C.
PEN	661E14001	EACH	PERENNIALS (PENNISETUM ALOPECUROIDES 'HAMELN'), AS PER PLAN	#2 CONT.	26	DWARF FOUNTAIN GRASS	24" O.C.
RUD	661E14001	EACH	PERENNIALS (RUDBECKIA FULGIDA 'GOLDSTURM'), AS PER PLAN	#1 CONT.	60	BLACK EYED SUSAN	24" O.C.
IL GL	661E30070	EACH	EVERGREEN SHRUB (ILEX GLABRA 'STRONGBOX'), AS PER PLAN	B&B 18" HT	17	STRONGBOX INKBERRY HOLLY	36" O.C
	690E98700	CY	BACKFILL MIX		35.5	BACKFILL MIX	



(4) NEP---文化文化文化文化文化 " (6) RUD (3) PEN-BIKE RACK SEED TO LIMITS OF DISTURBANCE SEED TO LIMITS
OF DISTURBANCE TRENCH DRAIN; SEE_____CIVIL DRAWINGS (3) PEN— (2) IL GL (5) RUD— (2) NEP---(8) NEP---(16) PEN----(9) RUD---(12) NEP----(25) RUD----(6) IL GL ⁻ (21) SCH-- (7) IL GL— TRENCH DRAIN; SEE CIVIL DRAWINGS 对我对我对我我我我我我我我我 BIKE RACK (24) LIR— AREA 1 ENLARGEMENT

			659	661	661	661	661	661	661	661	659	690	690	680	680	690	690
CZ	EET	STATION TO STATION	SEEDING AND MULCHING, AS	MULCH, AS PER PLAN	PERENNIALS, AS PER PLAN, (LIRIOPE MUSCARI)	PERENNIALS, AS PER PLAN, (NEPETA FAASSENII 'CATS MEOW')	PERENNIALS, AS PER PLAN, (SCHIZACHYRIUM SCOPARIUM)	PERENNIALS, AS PER PLAN, (PENNISETUM ALOPECUROIDES 'HAMELN')	PERENNI. (RUDB	EVERGREEN SHRUB, AS PER PLAN, (ILEX GLABRA 'STRONGBOX')	BACKFILL MIX	BENCH	PLANTER, SMALL	PLANTER, LARGE	TRASH RECEPTACLE	BICYCLE RACK	BOULDER, 24" - 36"
			SY	CY	EA	EA	EA	EA	EA	EA	CY	EA	EA	EA	EA	EA	EA
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THE KLEINGERS
GROUP

CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE

DESIGNER

NTH

REVIEWER
BMG 08-11-23

PROJECT ID

125940

SHEET TOTAL

4:3 47

DESIGN AGENCY

PLAN

MATERIALS

8

LANDSCAPE

KEY	ITEM	UNIT	DESCRIPTION	SIZE	QTY.	COMMON NAME	SPACING
	659E10001	SF	SEEDING, AS PER PLAN		620	TURF SEED	
	661E00501	CY	MULCH, AS PER PLAN		3	MULCH	
LIR	661E14001	EACH	PERENNIALS (LIRIOPE MUSCARI), AS PER PLAN	#1 CONT.	57	LIRIOPE	18" O.C.
NEP	661E14001	EACH	PERENNIALS (NEPETA FAASSENII), AS PER PLAN	#1 CONT.	21	CATMINT	24" O.C.
SCH	661E14001	EACH	PERENNIALS (SCHIZACHYRIUM SCOPARIUM), AS PER PLAN	#1 CONT.	36	LITTLE BLUESTEM	24" O.C.
PEN	661E14001	EACH	PERENNIALS (PENNISETUM ALOPECUROIDES 'HAMELN'), AS PER PLAN	#2 CONT.	21	DWARF FOUNTAIN GRASS	24" O.C.
RUD	661E14001	EACH	PERENNIALS (RUDBECKIA FULGIDA 'GOLDSTURM'), AS PER PLAN	#1 CONT.	38	BLACK EYED SUSAN	24" O.C.
IL GL	661E30070	EACH	EVERGREEN SHRUB (ILEX GLABRA 'STRONGBOX'), AS PER PLAN	B&B	8	STRONGBOX INKBERRY HOLLY	36" O.C
	690E98700	CY	BACKFILL MIX		25	BACKFILL MIX	

LEGEND

TURF SEED

大人で +人へ ()

CONCRETE, SEE CIVIL DRAWINGS

PAVERS, SEE CIVIL DRAWINGS

EXISTING TREE TO REMAIN

E. 3

SHRUBS & PERENNIALS, SEE DETAILS 2-5 / SHEET 3

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PROPOSED LIGHT POLE LOCATION; NOT INSTALLED IN THIS PHASE

P

ITEM 690E98000 SPECIAL - PLANTER, SEE DETAIL 1/ SHEET 46

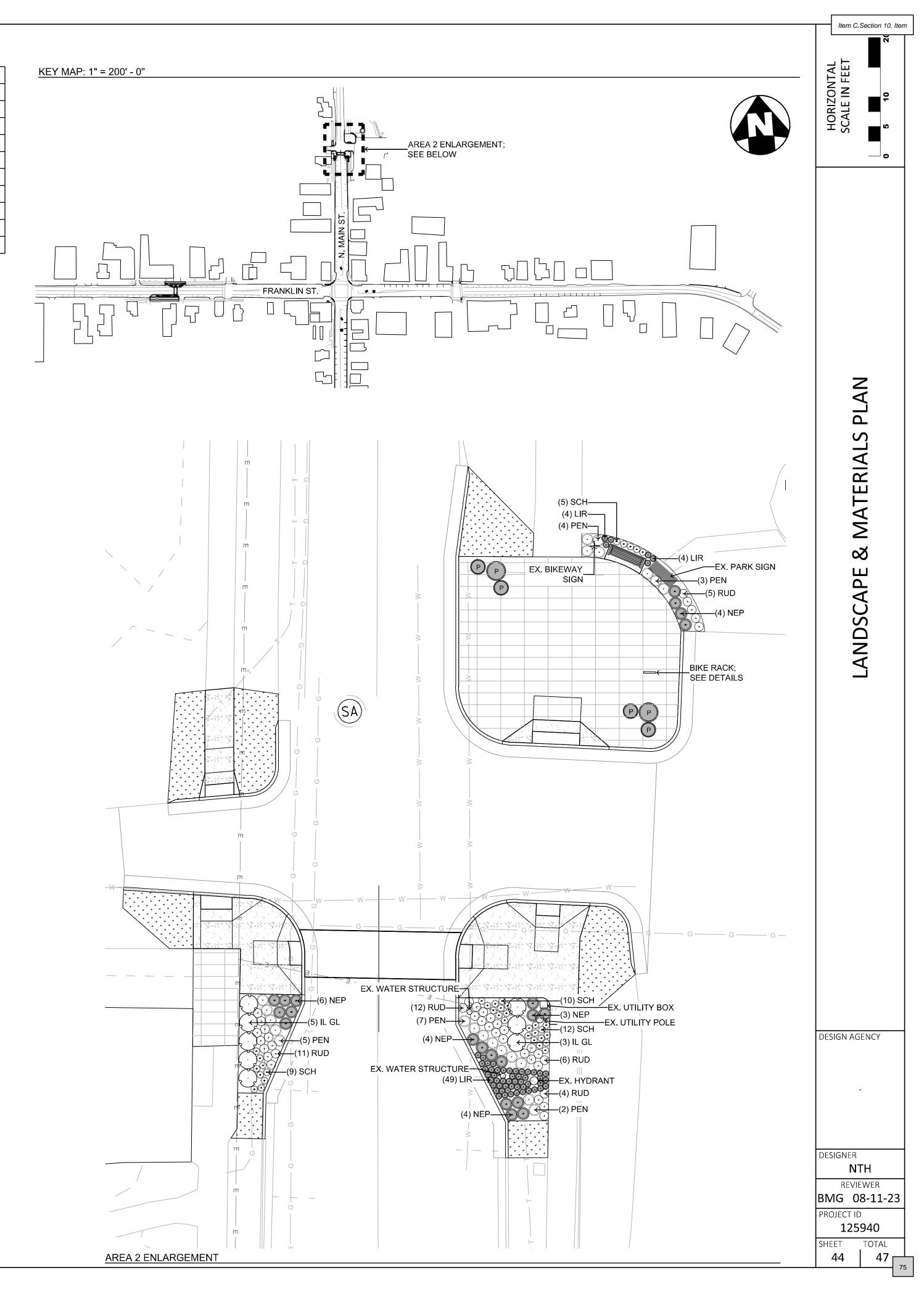
ITEM 690E98000 SPECIAL - BENCH, SEE DETAIL 4/ SHEET 46

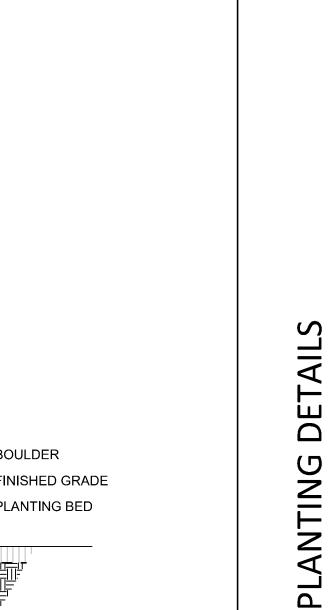
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ITEM 680E14550 SPECIAL - TRASH RECEPTACLE, SEE DETAIL 2/ SHEET 46

☐ ITEM 690E50560 SPECIAL - BIKE RACK, SEE DETAIL 3/ SHEET 46

ITEM 690E98000 SPECIAL - BOULDER, SEE DETAIL 6/ SHEET 45





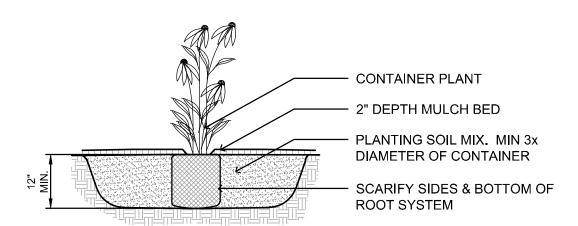
Item C.Section 10, Item

EXISTING GRADE OF PLANTING AREA

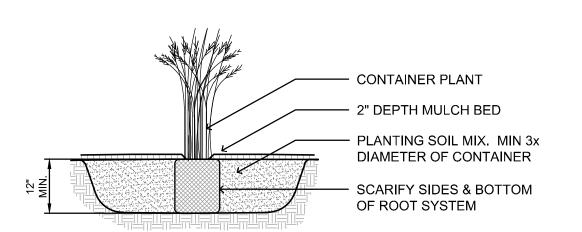
MULCH 2" DEPTH

VERTICAL EDGE

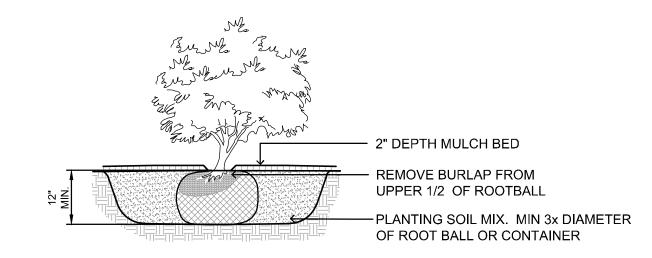
PLANTING BED EDGING DETAIL



PERENNIAL PLANTING
N.T.S



ORNAMENTAL GRASS PLANTING



SHRUB PLANTING

SPACING С 15 24" 24" 10" 20" 24" 25" 30" 30" 30" 15" 36" 31" 36" 18" 48" 48" 21" 41"

PLANT LOCATION

60°0'0"

PLANT LOCATION

EDGE OF WALK OR PLANTING BED

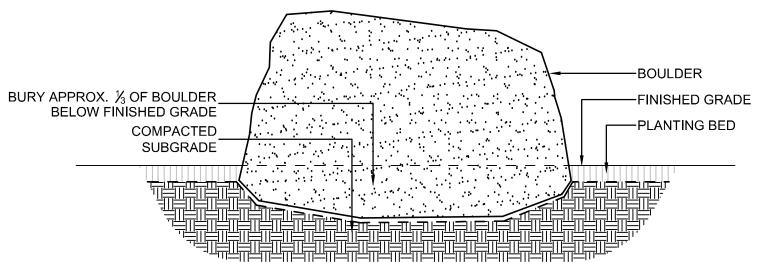
A = SPACING

D = SPACING

B = SP/2

C = SP/1.2

PERENNIAL SPACING



NOTES:

BOULDERS SHALL BE LIMESTONE FROM LOCAL SUPPLIER.

BOULDER SIZE SHALL RANGE FROM 24" - 36".
 BOULDERS SHALL HAVE A NATURAL SHAPE.

6 LIMESTONE BOULDER

PLANTING NOTES

1. EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.

2. CONTRACTOR SHALL VERIFY ALL PLANTING CONDITIONS FOR OBSTRUCTIONS, EXISTING TREE CANOPY COVERAGE, AND OVERHEAD ELECTRICAL POWER LINES PRIOR TO PLANTING. IF ADVERSE PLANTING CONDITIONS ARE OBSERVED, CONTACT THE OWNERS REPRESENTATIVE IMMEDIATELY.

3. ALL SHRUB MASSES TO BE INCORPORATED BY A CONTINUOUS MULCH BED TO LIMITS SHOWN AND AS SPECIFIED. MULCH BEDS TO HAVE A NEAT, EDGED APPEARANCE.

4. SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES.

5. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE FINE GRADED AND

ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM.
 THE CONTRACTOR SHALL ENSURE THAT ALL NEWLY PLANTED TREES ARE PERFECTLY ALIGNED AND SET PLUMB WITH PROPER RELATIONSHIP TO THE SURROUNDING GRADE. CONFIRM FINISHED GRADE PRIOR TO PLANTING.

8. ALL PLANT MATERIAL SHALL BE OF THE SIZE AND TYPE SPECIFIED. IF SUBSTITUTIONS ARE APPROVED BY THE OWNER'S REPRESENTATIVE, THE SIZE AND GRADING STANDARDS SHALL CONFORM TO THOSE OF THE AMERICAN ASSOCIATION OF NURSERYMEN.

DESIGN AGENCY

DESIGNER
NTH
REVIEWER
BMG 08-11-23
PROJECT ID

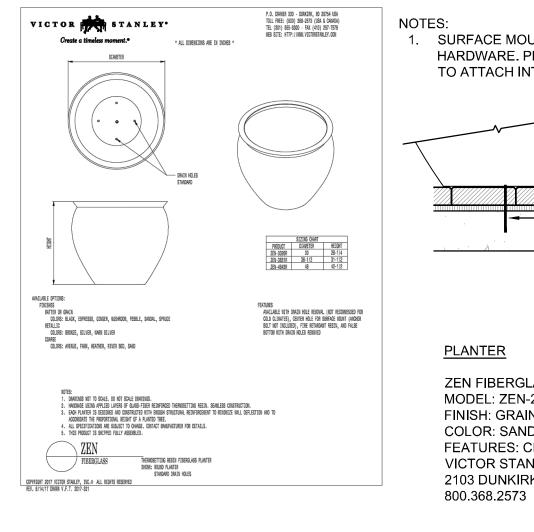
125940 ET TOTAL

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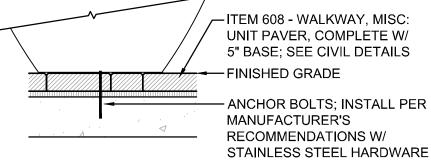
FRANKLIN AND

IMPROVEMENT

STREET



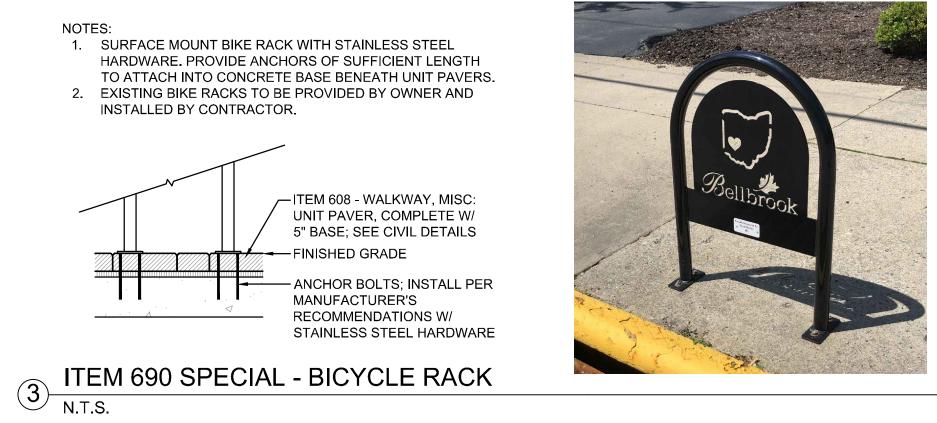
1. SURFACE MOUNT PLANTER WITH STAINLESS STEEL HARDWARE. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO ATTACH INTO CONCRETE BASE BENEATH UNIT PAVERS.



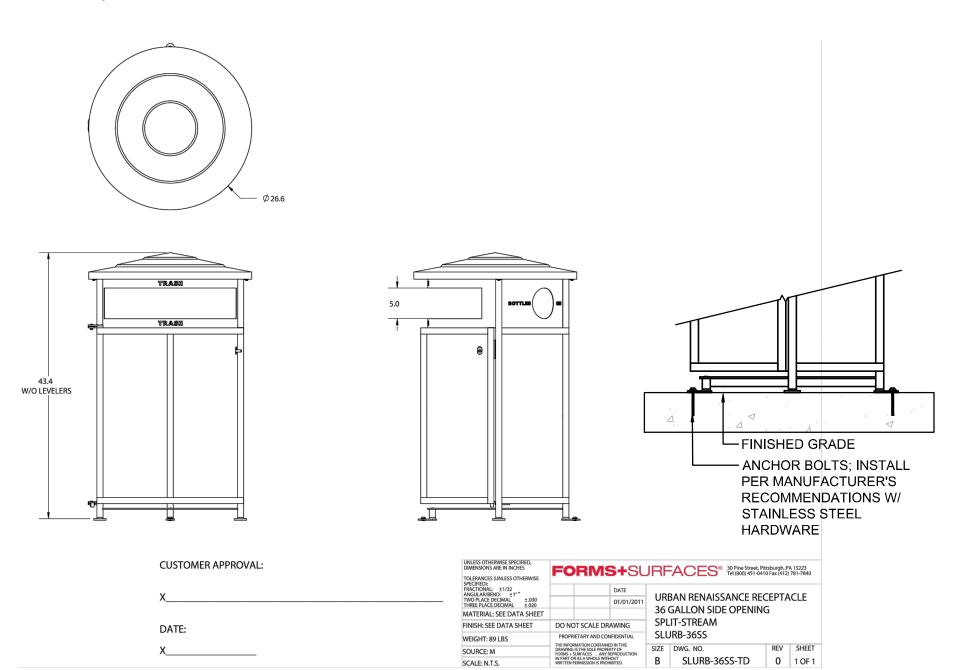
<u>PLANTER</u>

ZEN FIBERGLASS PLANTER MODEL: ZEN-2418R, ZEN-3831R FINISH: GRAIN COLOR: SANDAL

FEATURES: CENTER HOLE FOR SURFACE MOUNT VICTOR STANLEY 2103 DUNKIRK, MD 20754

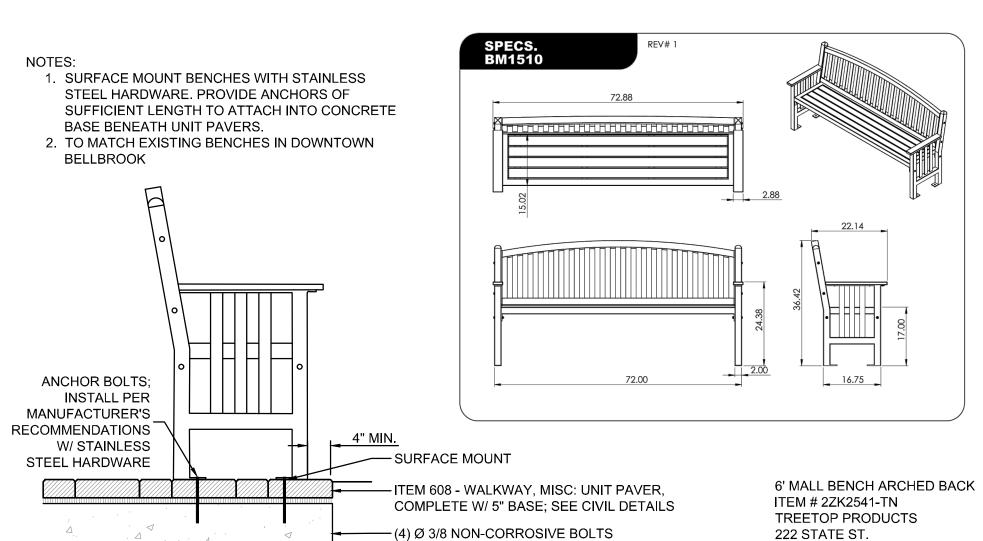


1 ITEM 690 SPECIAL - PLANTER N.T.S.



ITEM 680 SPECIAL - TRASH RECEPTACLE

ITEM 690 SPECIAL - BENCH



-(4) Ø 3/8 NON-CORROSIVE BOLTS

RECOMMENDED FOR ANCHORING; INSTALL

PER MANUFACTURER'S RECOMMENDATIONS

DESIGNER NTH REVIEWER PROJECT ID

BATAVIA, IL 60510

866.511.5642

DESIGN AGENCY

BMG 08-11-23 125940

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ETAIL

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GENERAL NOTES

- 1. EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
- 2. SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES.
- 3. ALL CONCRETE FORMS SHALL BE FIELD STAKED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONCRETE INSTALLATION.
- 4. ALL HORIZONTAL AND VERTICAL LAYOUT SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE TO ENSURE GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.
- 5. PROVIDE ISOLATION JOINT WHERE CONCRETE PAVING ABUTS BUILDINGS, COLUMNS, AND STRUCTURES. VERIFY COLOR OF SEALANT WITH OWNER'S REPRESENTATIVE.
- 6. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
- 7. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH SITE SUPERINTENDENT, APPROPRIATE AGENCIES, AND PLANS FOR LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES.
- 8. CONTRACTOR TO REPORT TO ENGINEER ANY ADDITIONAL UTILITY LINES FOUND DURING CONSTRUCTION.

GENERAL REQUIREMENTS

PER JANUARY 1, 2019 ODOT CONSTRUCTION & MATERIAL SPECIFICATIONS MANUAL ALL PLANT MATERIALS, TURF GRASS, AND PLANTING OPERATIONS TO MEET OR EXCEED STANDARDS SET OUT IN ODOT ITEMS 659, 661, & 662, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE AN ONA (OHIO NURSERYMAN'S ASSOCIATION) CERTIFIED LANDSCAPE TECHNICIAN TO SUPERVISE THE PLANTING OPERATIONS.

PERIOD OF ESTABLISHMENT

MAINTENANCE:

DURING PLANTING: MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS PLANTED AND SHALL CONTINUE FOR A PERIOD OF ONE YEAR AFTER COMPLETION OF PROJECT. PLANTS SHALL BE WATERED, MULCHED AND PRUNED, WEED GROWTH CONTROLLED, AND OTHERWISE MAINTAINED AS NEEDED DURING THE WARRANTY PERIOD. SETTLED PLANTS SHALL BE RAISED AND STRAIGHTENED. IF STAKING OR GUY WIRES ARE USED, THEY SHALL BE TIGHTENED AND REPAIRED.

WARRANTY:

THE CONTRACTOR SHALL WARRANTY ALL PLANTS TO BE IN SATISFACTORY GROWING CONDITION AND TO LIVE FOR A PERIOD OF ONE YEAR FROM COMPLETION OF PROJECT. ALL PLANTS INSTALLED PRIOR TO DECEMBER 31ST SHALL BE GUARANTEED TO BREAK INTO GROWTH (NOT JUST BUD BREAK) AND 2ND SPRING. PLANTS THAT ARE MORE THAN 25 PERCENT DEAD OR IN AN UNHEALTHY CONDITION WILL BE REPLACED AS MANY TIMES AS NECESSARY DURING THE ONE YEAR MAINTENANCE BOND. COMPLY WITH ODOT ITEM 661.

ADDITIONALLY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO WATER AND PERFORM ANY MAINTENANCE AS NECESSARY FOR THE CONTINUOUS VIGOR OF THE PLANTS DURING THE WARRANTY PERIOD. THE COST OF WATERING AND MAINTENANCE WILL BE AT THE SOLE COST OF THE CONTRACTOR. CONTRACTOR MUST COORDINATE WITH THE CITY AS NECESSARY FOR TRAFFIC CONTROL, AS NEEDED.

IN ORDER TO PROVIDE PLANT MATERIALS THAT MEET THE SOIL AND CLIMATE CONDITIONS OF BEAVERCREEK, OHIO, THEY MUST BE OBTAINED FROM SOUTHWEST/SOUTH CENTRAL OHIO. TREES OF THE SAME SPECIES SHALL BE PURCHASED FROM THE SAME NURSERY SO AS TO PROVIDE UNIFORMITY AMONG EACH SPECIES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN THE CONSTRUCTION SITE AFTER EACH DAY OF WORK. PRIVATE LOTS SHALL BE FREE OF ANY DEBRIS, SAFETY HAZARDS, AND/OR OBSTRUCTIONS. IF A TREE PIT IS UNPROTECTED, IT SHALL HAVE FENCE PROTECTION TO PREVENT INJURY. SIDEWALKS AND STREETS SHALL BE FREE OF ANY DEBRIS, ROCKS, LOOSE MATERIAL AND OBSTRUCTIONS AT ALL TIMES. AT THE TIME OF FINAL COMPLETION, CONTRACTOR MUST CLEAN ALL ROADS, SIDEWALKS, AND PRIVATE LOTS PER THE CITY'S DIRECTION.

ITEM 690 SPECIAL - BACKFILL MIX

BACKFILL MIX SHALL BE PER TEM 661.09 EXCEPT MODIFIED TO

FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:

- 1. PART TOPSOIL PER ITEM 659.05
- 2. PART SPHAGNUM PEAT MOSS
- 3. PART EPA RATED CLASS IV COMPOST PER ITEM 659.06

INSTALL BACKFILL MIX TO 12" DEPTH IN ALL PLANT BEDS.

DO NOT USE BACKFILL MIX THAT IS FROZEN OR MUDDY.

PAYMENT FOR BACKFILL MIX AND PLACEMENT OF BACKFILL MIX SHALL BE PAID FOR IN ITEM SPECIAL - BACKFILL MIX.

ITEM 661 PLANTING TREES, SHRUBS, AND VINES GENERAL PLANTING NOTES

- 1. LANDSCAPE WATERING PER ODOT ITEM 662 IS CONSIDERED INCIDENTAL TO ODOT ITEM 661 AND MUST BE CONTINUED THROUGH THE ESTABLISHMENT PERIOD AS OUTLINED UNDER ODOT ITEM 661.14. THE COST FOR LANDSCAPE WATERING SHALL BE CONSIDERED INCIDENTAL TO ODOT ITEM 661 AND MUST BE CONTINUED THROUGH THE ESTABLISHMENT PERIOD AS OUTLINED UNDER ODOT ITEM 661.14.
- 2. CONTRACTOR MUST FOLLOW STANDARD HORTICULTURAL PRACTICES DURING THE PERIOD OF ESTABLISHMENT TO ENSURE THAT ALL THE PLANTS MAINTAIN GROWTH AND VIGOR. THE CONTRACTOR SHALL WATER, RE-MULCH, RE-STAKE AND CULTIVATE / WEED AS NECESSARY.
- 3. ALL LANDSCAPE BEDS TO RECEIVE A GRANULAR PRE-EMERGENT WEED PREVENTATIVE PRIOR TO MULCHING PER ODOT ITEM 661. (PREEN, TREFLAN, OR ACCEPTED EQUIVALENT)
- 4. ALL PLANTS ARE TO BE BALLED AND BURLAPPED (B&B) OR IN CONTAINERS AS NOTED IN PLANT SCHEDULE. NO BARE ROOTED OR CONTAINER TREES ARE PERMITTED. SIZES ARE PER OHIO NURSERY ASSOCIATION STANDARDS.
- 5. PLANT IN ACCORDANCE WITH PLAN NOTE ITEM 661: PLANTING TREES, SHRUBS, AND GROUNDCOVER AS PER PLAN AND ODOT L.A. 1.1 AND LA 1.2 STANDARD CONSTRUCTION DRAWINGS.
- 6. SIZE OF PIT VARIES WITH SIZE OF ROOT BALL.
- 7. SPREAD FERTILIZER EVENLY IN SAUCER PRIOR TO PLANTING PER ODOT ITEM 661.
- 8. ALL PLANT MATERIAL FURNISHED SHALL BE FULL, WELL BRANCHED, WELL PROPORTIONED, AND HAVE A VIGOROUS, WELL DEVELOPED ROOT SYSTEM CAPABLE OF SUSTAINING VIGOROUS GROWTH.
- 9. ALL TREES AND SHRUBS SHALL BE NO. 1 GRADE PLANTS WITH GROWTH AND BRANCHING HABIT TYPICAL OF THE SPECIES. NO PARK GRADE (NO. 2 OR 3 GRADE) PLANTS WILL BE ACCEPTED.
- ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM.
 ALL PLANT MATERIAL SHALL BE OF THE SIZE AND TYPE SPECIFIED.
- 11. IF SUBSTITUTIONS ARE REQUIRED, ALL SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- 12. OBSTRUCTIONS: NOTIFY OWNER OR OWNER'S REPRESENTATIVE IF UNEXPECTED ROCKS OR OBSTRUCTIONS DETRIMENTAL TO TREES OR SHRUBS ARE ENCOUNTERED DURING EXCAVATION.
- 13. THE COST FOR ALL FERTILIZER, HERBICIDE, WATERING, AND PLANTS, THAT MUST OCCUR BASED ON NEW PLANTING / CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 661 AND 662 LANDSCAPE PLANTINGS AND WATERING.
- 14. THE CONTRACTOR SHALL CONDUCT WATERING OPERATIONS IN COMPLIANCE WITH ALL PROJECT SPECIFICATIONS AND SHALL PROTECT AGAINST WETTING OF THE PAVEMENT SURFACE.
- 15. EACH CONTRACTOR SHALL NOTIFY THE OWNER'S REP.
 IMMEDIATELY IF A DISCREPANCY IS FOUND BETWEEN THE
 DIMENSION GIVEN ON THE PLANS AND ACTUAL DIMENSIONS IN
 THE FIELD.
- 16. REMOVE ALL TWINE, ROPE, BURLAP, AND WIRE FROM TOP HALF OF ROOTBALL.
- 17. NOTIFY OWNER OR OWNER'S REPRESENTATIVE IF SUBSOIL CONDITIONS EVIDENCE UNEXPECTED WATER SEEPAGE OR RETENTION IN TREE OR SHRUB PIT.
- 18. ITEM 661.10 B PLANTING BEDS SHALL BE MODIFIED TO READ: ONE MONTH BEFORE CULTIVATION, TREAT ALL PLANTING BEDS THAT ARE TO BE DEVELOPED IN AREAS OF EXISTING TURF WITH PRE-EMERGENT AND POST-EMERGENT TYPE HERBICIDES. USE A STATE-LICENSED PESTICIDE APPLICATOR TO APPLY THE HERBICIDE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. BEFORE PLANTING, TOP DRESS ALL PLANTING BEDS WITH A MINIMUM OF 6 INCHES OF BACKFILL MIX, THEN CULTIVATE IT TO A DEPTH OF 12 INCHES USING A PLOW, DISC, OR ROTO-TILLER.

- 19. ITEM 661.10 B PLANTING BEDS SHALL BE MODIFIED TO READ: DIMENSIONS AND PLANT LOCATIONS SHALL BE PLACED IN ACCORDANCE WITH THE DETAILS AND LOCATIONS SHOWN ON THE PLANS. IN NO CASE SHALL PROPOSED PLANT BEDS BE LOWER THAN EXISTING GRADES. GRADE ALL PLANT BEDS SMOOTHLY TO DRAIN. CONTRACTOR SHALL NOT REMOVE AND REPLACE EXISTING SOIL, RATHER THE EXISTING SOILS SHALL BE AMENDED FOR PROPER PLANT GROWTH.
- 20. ITEM 661.10 B PLANTING BEDS SHALL BE MODIFIED TO READ: ALL PLANT BEDS SHALL BE COVERED WITH SHREDDED MULCH CONTINUOUSLY AS A CONTIGUOUS BED AS INDICATED ON THE PLAN. INDIVIDUALLY PLANTED TREES SHALL BE RINGED WITH SHREDDED MULCH RINGS SIZED AS INDICATED ON THE PLAN. MULCH SHALL BE PER ITEM 661.11.
- 21. ALL ABOVE ITEMS ARE INCIDENTAL TO ODOT 661 ITEM AND SHALL BE CONTINUED THROUGH WARRANTY PERIOD.

PAYMENT: THE COST FOR THESE ITEMS SHALL INCLUDE ALL MATERIALS, EQUIPMENT, COORDINATION, AND LABOR COSTS ASSOCIATED WITH INSTALLING ITEM 661 TREES, SHRUBS, AND VINES AND THE NOTES AND DETAILS.

ITEM 659 SEEDING AND MULCHING, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING ALL LABOR, TOOLS, MACHINERY, MATERIALS, AND PROCESSES REQUIRED FOR THE PLANTING OF SEEDED AREAS. SEEDING SHALL OCCUR TO THE PROJECT LIMITS SHOWN ON THE PLANS. ALL AREAS DISTURBED BY CONSTRUCTION, SHALL BE RESTORED, FINE GRADED, AND SEEDED. COST FOR DAMAGE RESTORATION OF EXISTING TURF AREAS DURING CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

ITEM SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF ITEM 659 SEEDING AND MULCHING UNLESS OTHERWISE DESCRIBED BELOW:

AREAS WITHIN THE PROJECT AREA THAT WILL BE GRADED AND DISTURBED AREAS TO BE SEEDED WITH THE FOLLOWING SEED MIX. PROVIDE OWNER WITH CERTIFIED SEED MIX LABEL PRIOR TO APPLICATION FOR APPROVAL:

- 80-90% TURF-TYPE TALL FESCUE (3 LB. /1,000 SQ. FT.)
- 5-10% KENTUCKY BLUEGRASS (3 LB. /1,000 SQ. FT.)
- 5-10% PERENNIAL RYEGRASS (2 LB. /1,000 SQ. FT.)

AREAS WITHIN THE PROJECT AREA THAT ARE NOT DISTURBED SHALL BE INTER-SEEDED PER ITEM 659,21 WITH THE SAME MIX.

ALL DESIGNATED TURF AREAS TO BE HYDRO SEEDED WITH A WOOD FIBER MULCH AS NOTED IN ODOT ITEM 659.15

ITEM 650.03 LIME SHALL BE APPLIED PER SPECIFICATION, AND SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.04 COMMERCIAL FERTILIZER SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.05 TOPSOIL SHALL BE INCIDENTAL TO THIS ITEM. ALL AREAS TO BE SEEDED SHALL HAVE A MINIMUM OF 4 INCHES OF TOPSOIL.

ITEM 659.17 WATER SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.20 REPAIR SEEDING AND MULCHING SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.23 PERFORMANCE: AT END OF MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS HAS BEEN ESTABLISHED, FREE OF WEEDS AND SURFACE IRREGULARITIES, WITH COVERAGE EXCEEDING 90 PERCENT OVER ANY 10 SQ. FT. AND BARE SPOTS NOT EXCEEDING 3 BY 3 INCHES.

TEMPORARY COVER:

AVENA SATIVA / COMMON OAT / 512.00 LOLIUM MULTIFLORUM / ANNUAL RYE / 240.00

PAYMENT: THE COST OF THESE ITEMS SHALL INCLUDE ALL MATERIALS, EQUIPMENT COORDINATION AND LABOR COSTS ASSOCIATED WITH SUPPLYING AND INSTALLING SEEDING AND MULCHING AS PER PLAN.

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659, SEEDING AND MULCHING, AS PER PLAN 70 SQ. YD.

ITEM 659, WATER

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 661.11 MULCH, AS PER PLAN

THE FOLLOWING REVISIONS TO ODOT 661 SHALL BE APPLICABLE TO THIS PROJECT 661.11 MULCH.

CHANGE THE SECOND SENTENCE IN THE SECOND PARAGRAPH TO READ, "...3-INCH LAYER OF LANDSCAPE MULCH...".

MULCH SHALL BE A FINELY SHREDDED DARK HARDWOOD MULCH. NON-DYED BLACK COLOR. 100% AGED SHREDDED HARDWOOD. TRIPLE GROUND.

ITEM 680 SPECIAL - TRASH RECEPTACLE

TRASH RECEPTACLE WITH DIVIDED TRASH AND RECYCLING OPENINGS. SEE DETAIL 2 / SHEET 4.

MANUFACTURER:

BASIS OF DESIGN: FORMS+SURFACES;
MODEL: URBAN RENAISSANCE RECEPTACLE SLURB-36SS

COLOR: BLACK POWDERCOAT FRAME, DESERT TAN RECYCLED PLASTIC.

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - TRASH RECEPTACLE.

ITEM 690 SPECIAL - PLANTER

24" PLANTER (SMALL) & 38.5" PLANTER (LARGE). SEE DETAIL 1 / SHEET 4.

MANUFACTURER:

BASIS OF DESIGN: VICTOR STANLEY
MODEL: ZEN FIBERGLASS PLANTER. ZEN-2418R & ZEN-3831R

SANDAL, GRAIN FINISH

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - PLANTER.

ITEM 690 SPECIAL - BICYCLE RACK

BICYCLE RACKS TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - BIKE RACK.

ITEM 690 SPECIAL - BENCH

BACKED BENCH WITHOUT INTERMEDIATE ARMS OR DIVIDERS. SEE DETAIL 4 / SHEET 4.

MANUFACTURER:
TREETOP PRODUCTS
222 STATE ST.
BATAVIA, IL 60510
866.511.5642
MODEL: 6' MALL BENCH ARCHED BACK
ITEM # 2ZK2541-TN

DIMENSIONS:

- 1. DEPTH: 22".
- 2. OVERALL HEIGHT: 36".
- 3. ARM HEIGHT: 24".
- 4. LENGTH: 72".

SEAT PATTERN: SLAT.

COLOR: BLACK POWDERCOAT FRAME, DESERT TAN RECYCLED PLASTIC.

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS.
PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO
CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - BENCH.

DESIGN AGENCY

designer **NTH**

PROJECT ID 125940

T TOTAL

REVIEWER

46 47 78

Estimate Franklin & Main

Estimated Cost:\$817,287.41

Contingency: 4.00%

Estimated Total: \$849,978.91

CONTINGENCY = INFLATION (4%)

Base Date: 08/11/23

Spec Year: 23

Unit System: E

Work Type:

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SPRING

County: GREENE

Latitude of Midpoint: 393810

Longitude of Midpoint: -840415

District: 08

Federal/State Project Number:

Prepared by ASN on 07/17/23 Checked by BMG on 07/17/23 Approved by BMG on 07/17/23

Estimate: Franklin & Main					
Line # Item Number Description Supplemental Description	Quantity	<u>Units</u>	Unit Price		Item C.Section 10, Item n
Group 0010: Roadway					
0057 204E10000 SUBGRADE COMPACTION	63.00	SY	\$5.66		\$356.58
0058 202E30000 WALK REMOVED	1,309.00	SF	\$9.19		\$12,029.71
0059 608E10000 4" CONCRETE WALK	2,018.00	SF	\$10.14		\$20,462.52
0060 202E32000 CURB REMOVED	204.00	FT	\$22.25		\$4,539.00
0061 202E23000 PAVEMENT REMOVED	228.00	SY	\$23.35		\$5,323.80
0062 608E52000 CURB RAMP	461.00	SF	\$32.31		\$14,894.91
0063 203E10000 EXCAVATION	30.00	CY	\$42.82		\$1,284.60
0064 608E53020 DETECTABLE WARNING	61.00	SF	\$43.31		\$2,641.91
0065 203E20000 EMBANKMENT	15.00	CY	\$44.21		\$663.15
0066 608E53021 DETECTABLE WARNING, AS PER PLAN	127.00	SF	\$65.00		\$8,255.00
0067 608E98000 WALKWAY, MISC.: SIDEWALK PAVERS	967.00	SF	\$65.00		\$62,855.00
0068 201E11000 CLEARING AND GRUBBING	1.00	LS	\$5,000.00		\$5,000.00
				Total for Group 001	0:\$138,306.18
Group 0020: Erosion Control					
0069 832E15000 STORM WATER POLLUTION PREVENTION F	1.00 PLAN	LS	\$2,500.00		\$2,500.00
0070 832E30000 EROSION CONTROL	10,000.00	EACH	\$1.00		\$10,000.00
				Total for Group 00	20:\$12,500.00

\$105.00

146.00 FT

Group 0040: Drainage

0017 611E99830

Quantity Units Unit Price

Line # Item Number

Description
Supplemental Description

Item C.Section 10, Item

SPECIAL - TRENCH DRAIN

Total for Group 004	40:\$15,330.00
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Group 0050: Pavement				
0018 254E01000 PAVEMENT PLANING, ASPHALT CONCRET	24,063.00 E	SY	\$3.05	\$73,392.15
0019 407E20000 NON-TRACKING TACK COAT	2,054.00	GAL	\$3.93	\$8,072.22
0020 609E26000 CURB, TYPE 6	209.00	FT	\$47.74	\$9,977.66
0021 304E20000 AGGREGATE BASE	14.00	CY	\$104.21	\$1,458.94
0022 253E01000 PAVEMENT REPAIR	400.00	SY	\$135.00	\$54,000.00
0023 441E70000 ASPHALT CONCRETE SURFACE COURSE,	1,006.00 TYPE 1, (449),		\$285.00	\$286,710.00
0024 441E91000 ASPHALT CONCRETE, MISC.: TRAFFI HERRINGBONE PATTERN (12-101), CO		SXD STA	\$400.00 MPED CROSSWALK DIAGONAL	\$11,600.00
0025 301E56000 ASPHALT CONCRETE BASE, PG64-22, (449	11.00		\$449.44	\$4,943.84
0026 441E70300 ASPHALT CONCRETE INTERMEDIATE COU	5.00 RSE, TYPE 2,		\$500.00	\$2,500.00

Total for Group 0050:\$452,654.81

Group 0120: Traffic Control

Oloup o	120: Hame control				
	644E00400 NNELIZING LINE, 8"	389.00	FT	\$2.08	\$809.12
	644E01200 KING LOT STALL MARKING	1,014.00	FT	\$2.37	\$2,403.18
	644E00620 SSWALK LINE, 12"	924.00	FT	\$3.72	\$3,437.28
	644E00630 SSWALK LINE, 24"	70.00	FT	\$5.67	\$396.90
	644E00700 ISVERSE/DIAGONAL LINE	426.00	FT	\$6.01	\$2,560.26
2:49:45PM	644E00700 1 gust 11, 2023	216.00	FT	\$6.01	\$1, 81 6 Page 3 of 5

Line # Item Number Description Supplemental Description	Quantity	<u>Units</u>	Unit Price		Item C.Section 10, Item 1
TRANSVERSE/DIAGONAL LINE					
0033 644E00500 STOP LINE	128.00	FT	\$7.78		\$995.84
0034 630E03100 GROUND MOUNTED SUPPORT, NO. 3 PO	21.00 ST	FT	\$18.36		\$385.56
0035 630E84900 REMOVAL OF GROUND MOUNTED SIGN A	2.00 AND DISPOSAL	EACH	\$22.66		\$45.32
0036 630E80100 SIGN, FLAT SHEET	58.00	SF	\$25.25		\$1,464.50
0037 630E08600 SIGN POST REFLECTOR	3.00	EACH	\$47.82		\$143.46
0038 630E85100 REMOVAL OF GROUND MOUNTED SIGN A	1.00 ND REERECTIO	EACH	\$86.48		\$86.48
0039 644E01300 LANE ARROW	10.00	EACH	\$116.87		\$1,168.70
0040 644E01400 WORD ON PAVEMENT, 72"	1.00	EACH	\$124.95		\$124.95
0041 644E00104 EDGE LINE, 6"	2.13	MILE	\$4,175.67		\$8,894.18
0042 644E00300 CENTER LINE	1.23	MILE	\$5,416.29		\$6,662.04
				Total for Group 01	20:\$30,875.93
Group 0130: Traffic Signals					
0043 632E26000 PEDESTRIAN PUSHBUTTON	2.00	EACH	\$273.73		\$547.46
0044 625E32000 GROUND ROD	2.00	EACH	\$364.93		\$729.86
0045 632E64020 PEDESTAL FOUNDATION	2.00	EACH	\$1,234.15		\$2,468.30
0046 630E97700 SIGNING, MISC.: SOLAR-POWERED	2.00 RECTANGUL			BEACON (RRFB) SIGN A	\$17,000.00 SSEMBLY
				Total for Group 01	30:\$20,745.62

0047 661E99000 1.00 LS \$27,980.00 \$27, 2:49:45PM

Friday, August 11, 2023

Group 0140: Landscaping

Estimate: Franklin & Main

Page 4 of 5

Line # Item Number

Quantity Units Unit Price

Description

Supplemental Description

MAINTAINING TRAFFIC

624E10000

MOBILIZATION

0056

Item C.Section 10, Item

SPECIAL - LANDSCAPING (SEE SUPPLEMENTAL ESTIMATE FOR ITEMIZED LANDSCAPE QUANTITIES)

Total for Group 0140:\$27,980.00

Group	0220: Maintenance of Traffic				
0048 W0	614E21000 DRK ZONE CENTER LINE, CLASS I	2.46	MILE	\$1,500.32	\$3,690.79
0049 W0	614E22010 ORK ZONE EDGE LINE, CLASS I, 6"	4.26	MILE	\$1,482.71	\$6,316.34
0050 W0	614E23000 DRK ZONE CHANNELIZING LINE, CLASS I, 8"	778.00	FT	\$0.81	\$630.18
0051 W0	614E26000 ORK ZONE STOP LINE, CLASS I	214.00	FT	\$3.54	\$757.56
					Total for Group 0220:\$11,394.87
Group	0230: Incidentals				
0054	623E10000 DINSTRUCTION LAYOUT STAKES AND SURVE	1.00	LS	\$7,500.00	\$7,500.00
CC	DISTRUCTION LATOUT STAKES AND SURVE	11110			

1.00

LS

\$50,000.00

Total for Group 0230:\$107,500.00

\$50,000.00



CINCINNATI COLUMBUS DAYTON 6305 Centre Park Drive West Chester, OH 45069 phone 513.**779.7851** fax 513.**779.7852** www.kleingers.com

OPINION OF PROBABLE CONSTRUCTION COST BELLBROOK STREETSCAPE - W. FRANKLIN

DATE: June 25, 2023

LANDSCAPE ITEMS					
Turfgrass Seed	150	SF	\$	0.25	\$ 37.50
Topsoil Lawn (6" depth)	3	CY	\$	65.00	\$ 195.00
Topsoil Plant Bed (12" depth)	23	CY	\$	65.00	\$ 1,495.00
Plant Beds (Plant Material)	650	SF	\$	12.00	\$ 7,800.00
Shredded Hardwood Mulch (2" depth)	4	CY	\$	90.00	\$ 360.00
	L	ANDSCA	PE SI	JBTOTAL	\$ 9,887.50
SITE AMENITIES					
Planter	10	EA	\$	1,500.00	\$ 15,000.00
Benches	4	EA	\$	1,975.00	\$ 7,900.00
Litter Receptacles	1	EA	\$	3,000.00	\$ 3,000.00
Bike Rack (installation only)	2	EA	\$	860.00	\$ 1,720.00
	SITE	\$ 27,620.00			
					27,980.00

^{*}Estimated Inflation costs included in full project cost estimate.

THE LANDSCAPE ARCHITECT HAS USED HIS/HER BEST JUDGEMENT ON COST. THE LANDSCAPE ARCHITECT HAS NO CONTROL OVER THE COST OF LABOR, MATERIALS, OR THE CONTRACTOR'S METHODS OF DETERMINING BID PRICES, OR OVER COMPETITIVE BIDDING OR MARKET CONDITIONS. THEREFORE, THE LANDSCAPE ARCHITECT CANNOT GUARANTEE THAT BIDS OR CONSTRUCTION COST WILL NOT VARY FROM ANY ESTIMATES OF PROBABLE CONSTRUCTION COST PREPARED BY HIM/HER.

Estimate WALNUT & MAIN

Estimated Cost:\$180,034.08

Contingency: 4.00%

Estimated Total: \$187,235.44

ALTERNATE BID (WALNUT AND MAIN STREET) CONTINGENCY = INFLATION (4%)

Base Date: 08/11/23

Spec Year: 23

Unit System: E

Work Type:

Highway Type:

Urban/Rural Type: URBAN CLASS

Season: SPRING

County: GREENE

Latitude of Midpoint: 393810

Longitude of Midpoint: -840415

District: 08

Federal/State Project Number:

Prepared by ASN on 08/11/23 Checked by BMG on 08/11/23

Line # Item Number Description Supplemental Description	Quantity	<u>Units</u>	Unit Price		Item C.Section 10, Item <u>n</u>
Group 0010: Roadway					
0005 201E11000 CLEARING AND GRUBBING	1.00	LS	\$2,500.00		\$2,500.00
0006 202E23000 PAVEMENT REMOVED	213.00	SY	\$23.76		\$5,060.88
0007 202E30000 WALK REMOVED	342.00	SF	\$14.16		\$4,842.72
0008 202E32000 CURB REMOVED	91.00	FT	\$28.14		\$2,560.74
0009 202E35100 PIPE REMOVED, 24" AND UNDER	30.00	FT	\$34.83		\$1,044.90
0010 202E58100 CATCH BASIN REMOVED	1.00	EACH	\$472.16		\$472.16
0011 203E10000 EXCAVATION	15.00	CY	\$48.48		\$727.20
0012 203E20000 EMBANKMENT	5.00	CY	\$12.68		\$63.40
0013 204E10000 SUBGRADE COMPACTION	63.00	SY	\$5.66		\$356.58
0014 608E10000 4" CONCRETE WALK	401.00	SF	\$15.48		\$6,207.48
0015 608E52000 CURB RAMP	394.00	SF	\$33.11		\$13,045.34
0016 608E98000 WALKWAY, MISC.: SIDEWALK PAVERS	1,025.00	SF	\$45.00		\$46,125.00
				Total for Group 00	010:\$83,006.40
Group 0020: Erosion Control					
0017 832E15000 STORM WATER POLLUTION PREVENTION P	1.00 LAN	LS	\$2,500.00		\$2,500.00
0018 832E30000 EROSION CONTROL	10,000.00	EACH	\$1.00		\$10,000.00
				Total for Group 00	20:\$12,500.00
Group 0040: Drainage					

20.00 FT

\$205.00

Page 2 of 4

Estimate: WALNUT & MAIN

0019 611E01100

Friday, August 11, 2023

2:47:37PM

Estimate: WALNUT & MAIN				
Line # Item Number Description Supplemental Description	Quantity	<u>Units</u>	Unit Price	Item C.Section 10, Item 1
6" CONDUIT, TYPE C				
0020 611E04400 12" CONDUIT, TYPE B	6.00	FT	\$250.00	\$1,500.00
0021 611E98150 CATCH BASIN, NO. 3	1.00	EACH	\$4,268.87	\$4,268.87
Group 0050: Pavement			To	otal for Group 0040:\$9,868.87
0022 301E56000 ASPHALT CONCRETE BASE, PG64-22, (449	11.00	CY	\$449.44	\$4,943.84
0023 304E20000 AGGREGATE BASE	14.00	CY	\$104.21	\$1,458.94
0024 407E20000 NON-TRACKING TACK COAT	9.00	GAL	\$4.19	\$37.71
0025 441E70000 ASPHALT CONCRETE SURFACE COURSE	3.00 , TYPE 1, (449),		\$550.00	\$1,650.00
0026 441E70300 ASPHALT CONCRETE INTERMEDIATE CO	5.00 URSE, TYPE 2,		\$185.84	\$929.20
0027 441E91000 ASPHALT CONCRETE, MISC.: TRAFF HERRINGBONE PATTERN (12-101), C		SXD STA	\$400.00 MPED CROSSWAL	\$9,200.00 LK DIAGONAL
0028 609E26000 CURB, TYPE 6	278.00	FT	\$45.52	\$12,654.56
			Tota	al for Group 0050:\$30,874.25
Group 0060: Water Work				

0029	638E10800	3.00	EACH	\$717.02	\$2,151.06
VA	LVE BOX ADJUSTED TO GRADE				
0030	638E10900	1 00	EVCH	\$1.500.00	\$1.500.00
0030	030L 10300	1.00	LACII	Ψ1,300.00	φ1,500.00

Total for Group 0060:\$3,651.06

Group 0120: Traffic Control

0031 630E85100 EACH \$73.22 \$292.88 REMOVAL OF GROUND MOUNTED SIGN AND REERECTION

Total for Group 0120:\$292.88

2:47:37PM

Friday, August 11, 2023

Estimate: WALNUT & MAIN

Line # Item Number Quantity Units Unit Price

Item C.Section 10, Item

<u>Description</u>

Supplemental Description

Group 0130: Traffic Signals

0032 625E32000 2.00 EACH \$364.93 \$729.86

GROUND ROD

0033 630E97700 2.00 EACH \$8,500.00 \$17,000.00

SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

0034 632E26000 2.00 EACH \$273.73 \$547.46

PEDESTRIAN PUSHBUTTON

0035 632E64020 2.00 EACH \$1,234.15 \$2,468.30

PEDESTAL FOUNDATION

Total for Group 0130:\$20,745.62

Group 0140: Landscaping

0036 661E99000 1.00 LS \$19,095.00 \$19,095.00

SPECIAL - LANDSCAPING (SEE SUPPLEMENTAL ESTIMATE FOR ITEMIZED LANDSCAPE QUANTITIES)

Total for Group 0140:\$19,095.00



± \$

19,095.00

OPINION OF PROBABLE CONSTRUCTION COST BELLBROOK STREETSCAPE - N. MAIN

DATE: June 25, 2023

SUBTOTAL

LANDSCAPE ITEMS						
Turfgrass Seed	620	SF	\$	0.25	\$	155.00
Topsoil Lawn (6" depth)	10	CY	\$	65.00	\$	650.00
Topsoil Plant Bed (12" depth)	13	CY	\$	65.00	\$	845.00
Plant Beds (Plant Material)	445	SF	\$	12.00	\$	5,340.00
Shredded Hardwood Mulch (2" depth)	3	CY	\$	90.00	\$	270.00
	L	ANDSCA	PE SU	BTOTAL	\$	7,260.00
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	L	ANDSCA	PE SU	BTOTAL	\$	7,260.00
SITE AMENITIES					·	,
SITE AMENITIES Planter	L	EA	\$	1,500.00	\$	9,000.00
SITE AMENITIES			\$		\$,
SITE AMENITIES Planter		EA	\$	1,500.00 1,975.00	\$	9,000.00

^{*}Estimated Inflation costs included in full project cost estimate.

THE LANDSCAPE ARCHITECT HAS USED HIS/HER BEST JUDGEMENT ON COST. THE LANDSCAPE ARCHITECT HAS NO CONTROL OVER THE COST OF LABOR, MATERIALS, OR THE CONTRACTOR'S METHODS OF DETERMINING BID PRICES, OR OVER COMPETITIVE BIDDING OR MARKET CONDITIONS. THEREFORE, THE LANDSCAPE ARCHITECT CANNOT GUARANTEE THAT BIDS OR CONSTRUCTION COST WILL NOT VARY FROM ANY ESTIMATES OF PROBABLE CONSTRUCTION COST PREPARED BY HIM/HER.

RECORD OF RESOLUTIONS

Resolution No. 2023-R-23

August 28, 2023

City of Bellbrook State of Ohio

Resolution No. 2023-R-23

AUTHORIZING THE CITY MANAGER TO SOLICIT, ADVERTISE, AND RECEIVE PROPOSALS FROM QUALIFIED FIRMS TO PROVIDE MATERIALS AND PERFORM SERVICES RELATED TO THE CONSTRUCTION AND INSTALLATION OF MID-BLOCK CROSSWALKS, PAVEMENT, CURBING, LANDSCAPING AND ALL NECESSARY AND RELATED APPURTENANCES WITHIN THE CITY

WHEREAS, City Council has approved improvement plans for Downtown area within the City; and

WHEREAS, the City is in need to contract services related to improvements and installation of midblock crosswalks, pavement, curbing, landscaping and all other appurtenances; and

WHEREAS, City Council has agreed to an RFP process to be facilitated by City Staff.

NOW, THEREFORE, THE CITY OF BELLBROOK HEREBY RESOLVES:

- Section 1. The City Manager is hereby authorized to solicit, advertise and receive responses from qualified firms in accordance with Section 240.03 of the Bellbrook Code of Ordinances to provide materials and perform services related to the construction and installation of mid-block crosswalks, pavement, curbing, landscaping and all necessary and related appurtenances within the City.
- Section 2. City Council hereby authorizes the RFP process for this project as detailed in the Bellbrook Request for Proposals and Instructions Book.
- Section 3. That it is found and determined that all formal actions of the City Council relating to the adoption of this Resolution were adopted in an open meeting of this Council, and that all deliberations of this Council and any of its committees that resulted in such formal action, were in meetings open to the public, in compliance with all legal requirements, including §121.22 of the Revised Code of the State of Ohio.

Section 4. That this resolution shall take effect and be in force forthwith.

PASSED BY City Council this 28th day of August, 2023.

_______ Nays.

AUTHENTICATION:

Michael W. Schweller, Mayor

Robert Schommer, Clerk of Council

File Attachments for Item:

D. Resolution 2023-R-24 AUTHORIZING THE CITY MANAGER TO ENTER INTO CERTAIN PUBLIC WORKS MUTUAL AID AGREEMENTS WITH OTHER PARTICIPATING POLITICAL SUBDIVISIONS (Greenwood)

Resolution No. 2023-R-24

August 28, 2023

City of Bellbrook State of Ohio

Resolution No. 2023-R-24

AUTHORIZING THE CITY MANAGER TO ENTER INTO CERTAIN PUBLIC WORKS MUTUAL AID AGREEMENTS WITH OTHER PARTICIPATING POLITICAL SUBDIVISIONS

WHEREAS, the political subdivisions which are parties to the Public Works Mutual Aid Agreements desire to work together in times of emergency to share and provide resources where they are needed for the safety and best interest of the participating communities; and

WHEREAS, city Council supports partnering with and assisting other communities during times of need; and

WHEREAS, the City of Bellbrook has an opportunity to join in two mutual aid agreements covering a greater geographical area.

NOW, THEREFORE, THE CITY OF BELLBROOK HEREBY RESOLVES:

- Section 1. City Council approves and authorizes the City Manager to sign and take all necessary actions to execute and enter into the Public Works Mutual Aid Agreements as substantially set forth in Exhibit A and Exhibit B.
- Section 2. That it is found and determined that all formal actions of the City Council relating to the adoption of this Resolution were adopted in an open meeting of this Council, and that all deliberations of this Council and any of its committees that resulted in such formal action, were in meetings open to the public, in compliance with all legal requirements, including §121.22 of the Revised Code of the State of Ohio.

Section 3.	That this resolution	shall take effec	et and be in force forthwi	tł
PASSED BY	City Council this	day of	, 2023.	
Yeas;	Nays.			
AUTHENTIC	ATION:			
Michael W. So	chweller, Mayor			

Robert Schommer, Clerk of Council

Resolution 2023-R-24 Exhibit A

Public Works Mutual Aid Contract

WHEREAS, it is the expressed desire of municipalities located in the southwest Ohio area, to agree to unite by contract for the purpose of rendering mutual aid, assistance, manpower and equipment, to each other in the event of both non-emergency events and emergency situations arising within their individual jurisdictions wherein their own non-safety Public Works manpower and equipment is deemed inadequate; and,

WHEREAS, this mutual aid agreement is both an attempt, prior to the actual occurrence of a disaster or an event, to facilitate recognition of emergency and non-emergency demands and make the response of participating communities more effective; and,

WHEREAS, the citizens served by all parties having the desire to contract as aforementioned will be better protected both in life and limb as well as in property by having available the mutual aid, assistance, manpower and equipment of the other parties to this contract should an emergency or non-emergency event arise wherein their respective forces are deemed inadequate to meet such emergencies or events; and,

WHEREAS, in addition to non-emergency events, the preservation of life, limb and property of the citizens of the various communities desiring to contract herein depends upon having available all possible aid, assistance, manpower, equipment, and knowledge.

NOW THEREFORE, this contract is entered into upon the following terms and conditions, by and between the parties hereto set forth below, with the mutual promise of each to the other as consideration therefor:

I. DEFINITIONS

For the purpose of this contract, a disaster will be defined as the occurrence, or imminent threat, of widespread or severe damage or loss of property or life which exceeds the routine capabilities of local government, health care, and other community agencies. The most common disasters include floods, major fires, earthquakes, tornadoes, and other emergencies which occur with little or no warning. While these disasters cannot be foreseen, their effects on a community can be anticipated and planned for in order to expedite the community's return to normal conditions. Actions taken to cope with an emergency may prevent a disaster from becoming a tragedy.

For the purposes of this contract, non-emergency events or just events shall be any non-emergency events that allows a local jurisdiction to seek assistance from another jurisdiction for non-emergency public works equipment or services.

II. PRIMARY RESPONSIBILITY

No provision of this contract shall be construed to place liability upon any other party hereto for failure to respond to a request for assistance hereunder, if, in the sole discretion of the party being requested, their services are considered necessary to the community or are for which they are primarily responsible.

Further, it is agreed that each party hereto bears the burden of protecting that area through which it gains its compensation and authority, and that any decision to render aid to another party hereto requesting same must bear on this principle.

III. REQUESTS FOR AID

A request for aid, assistance, manpower, or equipment under the provisions of this contract shall be made only by the chief executive of the requesting jurisdiction or his/her designee(s) as a party to this contract.

IV. RESPONSE TO REQUESTS FOR AID

A request for aid, assistance, manpower, or equipment under the provisions of this contract shall be made to the person or agency having the responsibility of dispatching such requested party on calls within its own area of jurisdiction. Such requests shall be made, insofar as practicable, in the following manner:

- a.) The authority requesting assistance shall specify the aid, assistance, manpower, or equipment requested;
- b.) The nature and location of the non-emergency event or emergency where such aid is requested;
- c.) The respondent shall then cause an entry of the request to be made on appropriate departmental records, stating the time, pieces of equipment, personnel and the duration of time each was utilized. A copy of the entry shall be forwarded to the requesting jurisdiction at the earliest convenience.
- d.) Each jurisdiction shall provide the requesting party with the name and public service number of the dispatching authority for the particular department. Such lists shall be combined into one item and distributed to all parties hereto as the need demands.

V. CHARGES

No charge shall be made to or by any party to this contract for the services rendered under this contract unless agreed upon by the jurisdiction in advance, it being the expressed intention of the parties hereto that the sole consideration is the mutual promises, each to the other, of rendering aid, assistance, manpower or equipment.

In the event that charges for the services may be reimbursed through third parties,

such as FEMA, each jurisdiction may be entitled to such reimbursement and is responsible for providing documentation for receipt of those funds.

No part of this contract, however, shall be construed as to avoid or nullify any other valid and existing contract which may be in effect between parties hereto or with parties not subject to this contract.

VI. DAMAGES – LOSSES – INJURIES

The parties hereto mutually agree that no party rendering aid, assistance, manpower, or equipment under the provisions of this contract shall seek damages or reimbursement for loss or injury to equipment from any party requesting such aid, assistance, manpower, or equipment, unless the actions of the requesting party or its employees caused the damage; further, that there shall be no reimbursement for any indemnity award or premium contribution assessed against the employing party for Workers' Compensation or other benefits arising by reason of injury or death to a member of a force of such party while engaged in rendering services under the terms of this contract, it being mutually agreed between the parties hereto that the responding party shall be solely responsible for any loss or damages sustained by third parties injured or damaged by any act of said responding party in rendering aid, assistance, manpower, or equipment under the terms of this contract.

VII. MINIMUM COVERAGES

Each party shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the insured party, its agents, representatives, employees, or subcontractors.

- 1. **Commercial General Liability (CGL)**, with limits not less than \$2,000,000 per occurrence, for bodily injury, property damage, personal & advertising injury.
- 2. **Automobile Liability** covering any auto, with minimum limits of \$2,000,000 per accident for bodily injury and property damage.
- 3. **Workers' Compensation** insurance as required by the State of Ohio, with statutory limits, and Employers' Liability with limits not less than \$1,000,000 per accident for bodily injury and disease.

Each party shall cover the other parties, including their officials, agents, employees, and volunteers as Additional Insureds with respect to liability arising out of work or operations performed by the primary insured party including materials, parts, or equipment furnished in connection with such work or operations and automobiles owned, leased, hired, or borrowed by the primary insured party.

For claims related to this project, the primary insured party's insurance coverage shall be primary and non-contributing with respect to the additional insureds.

Upon request, each party shall provide the others with a certificate of insurance evidencing compliance with the requirements herein.

VIII. TERM OF CONTRACT

This agreement shall be in effect for a period of three (3) years from the effective date hereof and shall be automatically renewed for successive periods of three (3) years as to all parties, unless termination and notice to withdrawal is completed in accordance with the terms herein.

IX. TERMINATION

It is mutually agreed by the parties that any party may terminate this agreement at any time upon written notice served by either certified mail, return receipt requested, or electronically via email to the other party or parties at least sixty (60) days in advance of such effective termination. Such notice shall be sent to the attention of the Chief Executive to the address or email address set forth below for each party and is deemed served once mailed or sent. Such termination or withdrawal, however, shall not be deemed termination of the entire contact and agreement as to the remaining parties hereto and as to those remaining, this agreement will continue in full force and effect with the mutual promise of such parties remaining as the consideration.

X. EXECUTION

This agreement may be executed in any number of counterparts, all of which together shall be considered a single instrument.

XI. ADDITIONAL PARTIES TO CONTRACT

It is mutually agreed by the parties hereto that from time-to-time new parties to this agreement may be added, provided other requirements are met as specified herein. The date of the initial term shall coincide with the then existing term of this contract, whether within the initial term or successive automatic renewal term hereof, and from that time shall be for the same term as other parties to this contract.

XII. EFFECTIVE DATE

This agreement shall become effective upon execution by each chief executive of each jurisdiction and will be effective on that date as to all parties who have executed the agreement in accordance with law. The administrator, when making initial distribution of the agreement counterparts, shall indicate the dates set forth herein to all parties.

XIII. SEPARABILITY OF CLAUSES

It is mutually agreed by the parties hereto that should any part, section, clause or specification herein be decided unlawful or unconstitutional, the remaining parts, sections, clauses and specifications shall continue to operate as if independent thereof.

	dersigned, through its duly authorized agent(s) or and thisday of
	CITY OF
	By: Its:
Approved as to form:	
Approved as to form:	· · · · · · · · · · · · · · · · · · ·

Introduction

The purpose of this manual is to help you take full advantage of your jurisdiction's participation in the *Public Works Mutual Aid Pact*. Keep it handy. If a disaster such as a tornado or flood strikes your community, this manual may help you locate the assistance you need to prevent the disaster from becoming a tragedy and to return service to normal as quickly as possible.

The manual consists of three sections:

- A list of the participating jurisdictions and the names and contact information of each jurisdiction's designated contact personnel.
- A selective inventory of each jurisdiction's public works equipment. The equipment listed has been identified as that which is most often needed in emergency situations. It includes heavy and light equipment, as well as parks, road repair and service/garage equipment.
- An Appendix, including frequently asked questions on the *Public Works Mutual Aid Pact* and a copy of the agreement.

This manual is periodically updated for participant use. You can help keep the manual current by alerting the Center staff to any changes in your jurisdiction's key contact personnel or public works equipment inventory.

This manual should be made available to your public works director, or other person who may be responsible for coordinating public works activities in the event of an emergency. You may make as many copies of the manual as you deem necessary for your operation.

Frequently Asked Questions

1. Why have a Public Works Mutual Aid Pact?

The Public Works Mutual Aid Pact was an outgrowth of The Center for Local Government's Collaboration Committee's discussions in 1993 about the need to develop some mechanism that would allow local jurisdictions to have a clear understanding of the roles and responsibilities assumed when giving assistance to other jurisdictions in emergency situations. Some of the items that members of that committee felt should be addressed included liability in the event of an accident involving one jurisdiction's equipment or personnel while serving in another jurisdiction, liability in the event of an accident involving a member of the public, duration of use of equipment or work crews following an emergency, and the definition of an emergency. Committee members felt that clarifying these kinds of issues in advance of an emergency would allow for better response to emergencies when they occur.

2. What constitutes an emergency?

Our Mutual Aid Pact defines a "disaster" as "... the occurrence, or imminent threat of widespread or severe loss of property or life which exceeds the routine capabilities of local governmental, health care and other community agencies. The most common disasters include floods, major fires, earthquakes, tornadoes, and other emergencies which occur with little or no warning."

3. What kind of aid is covered?

This pact covers the provision of "aid, assistance, manpower or equipment" that would normally be associated with the kinds of services provided by a Public Works Department. It is understood that Mutual Aid pacts already exist for police and fire services.

4. Who can request aid under this agreement?

The Chief Administrative Office (City Manager, Township Administrator, Village Administrator or Safety Service Director) or his/her designee.

5. How do you make a request?

This is spelled out in Section III of the Pact. The directory in this manual identifies the specific persons to be contacted at each participating jurisdiction, and gives appropriate contact information.

6. What if I get a request for aid when I need the equipment or manpower myself?

Section II of the Pact clearly establishes that you continue to be entirely free to determine whether or not you are in a position to respond to a request for aid. If you need your resources for the area which you normally service, you are not obligated to send that equipment or manpower elsewhere.

7. Does signing this pact prevent me from providing aid or receiving aid from a jurisdiction which has not signed?

No. You remain free to give and receive aid from any other jurisdiction. The advantage of this pact is by signing only one agreement, you have entered into mutual agreements with all the other signatories.

8. What if I get a request for aid from a signer of this pact after I have committed available resources to a non-signing jurisdiction? Do I have to pull my resources from the other jurisdiction to serve the signer?

No. The agreement recognizes that in some cases, you may have made a prior commitment. You are never required to break a commitment already made.

9. If an employee is injured while providing aid under this agreement, which jurisdiction is liable for any worker's compensation that might result?

The employing jurisdiction. Workers' compensation law in Ohio makes this clear, but this agreement also recognizes that fact.

10. If we send special equipment to another jurisdiction and unsafe use of the equipment results in injury to an employee, which jurisdiction is responsible for the employee injury?

If you own the equipment, you are responsible to assure that employees operating the equipment have been properly trained in safe operation. However, if you are a "host" employer, you also have a responsibility to make visiting employees (directly or through their employer) aware of any known hazards before they enter an area or begin to work.

11. If I request aid, and an employee of responding jurisdiction is injured while providing that aid, can the responding jurisdiction sue me to collect for the Workers' Compensation that may be assessed against that jurisdiction?

Section V of the agreement specifically provides that no party providing aid shall seek damages or reimbursement under such circumstances.

Public Works Mutual Aid Contract

Introduction

For the purpose of this agreement a disaster will be defined as the occurrence, or imminent threat, of widespread or severe damage or loss of property or life which exceeds the routine capabilities of local government, health care, and other community agencies. The most common disasters include floods, major fires, earthquakes, tornadoes, and other emergencies which occur with little or no warning. While these disasters cannot be foreseen, their effects on a community can be anticipated and planned for in order to expedite the community's return to normal conditions. Actions taken to cope with an emergency may prevent a disaster from becoming a tragedy. This mutual aid contract is an attempt, prior to the actual occurrence of a disaster, to facilitate recognition of emergency demands and make the response of participating communities more effective.

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, it is the expressed desire of the member jurisdictions of the Center for Local Government, located in the Greater Cincinnati area, to agree to unite by contract for the purpose of rendering mutual aid, assistance, manpower and equipment, to each other in the event of emergency situations arising within their individual jurisdictions wherein their own non-safety Public Works manpower and equipment is deemed inadequate; and,

WHEREAS, the citizens served by all parties having the desire to contract as aforementioned will be better protected both in life and limb as well as in property by having available the mutual aid, assistance, manpower and equipment of the other parties to this contract should an emergency arise wherein their respective forces are deemed inadequate to meet such emergency; and,

WHEREAS, the preservation of life, limb and property of the citizens of the various communities desiring to contract herein depends upon having available all possible aid assistance, manpower, equipment, and knowledge;

THEREFORE, this contract is entered into upon the following terms and conditions, by and between the parties hereto, with the mutual promise of each to the other as consideration therefor:

I. PRIMARY RESPONSIBILITY

No provision of this contract shall be construed to place liability upon any other party hereto for failure to respond to a request for assistance hereunder, if, in the sole discretion of the party being requested, their services are considered necessary to the community or are for which they are primarily responsible.

Further, it is agreed that each party hereto bears the burden of protecting that area through which it gain its compensation and authority of jurisdiction, and that any decision to render aid to another party hereto requesting same must bear on this principle.

II. REQUESTS FOR AID (By Whom Made)

A request for aid, assistance, manpower, or equipment under the provisions of this contract shall be made only by the Chief Administrative Officer or his/her designee(s) of a jurisdiction as a party to this contract.

III. REQUESTS FOR AID (Manner)

A request for aid, assistance, manpower, or equipment under the provisions of this contract shall be made to the person or agency having the responsibility of dispatching such requested party on calls within its own area of jurisdiction. Such requests shall be made, insofar as practicable, in the following manner:

- a.) The authority requesting same will spell out specifically what aid, assistance, manpower, or equipment it requires;
- b.) They shall state the nature and location of the emergency where such aid is needed;
- c.) The respondent shall cause an entry of the request to be made on appropriate departmental records, stating the time, pieces of equipment, personnel and the duration of time each was utilized. A copy of the entry shall be forwarded to the Center for Local Government at the earliest convenience.
- d.) For the purpose of the above, each party hereto shall provide each of the other parties the name and public service number of the dispatching authority for the department. Such lists shall be combined into one item and distributed to all parties hereto as the need demands.

IV. CHARGES

No charge shall be made to or by any party to this contract for the services rendered under this contract unless agreed upon by the jurisdiction in advance, it being the expressed intention of the parties hereto that the sole consideration is the mutual promises, each to the other, of rendering aid, assistance, manpower or equipment.

No part of this contract, however, shall be construed as to avoid or nullify any other valid and existing contract which may be in effect between parties hereto or with parties not entering into this contract.

V. DAMAGES – LOSSES – INJURIES

The parties hereto mutually agree that no party rendering aid, assistance, manpower, or equipment under the provisions of this contract shall seek damages or reimbursement for loss or injury to equipment from any party hereto requesting such aid, assistance, manpower, or equipment, except as hereinafter provided; further, that there shall be no reimbursement for any indemnity award or premium contribution assessed against the employing party for Workers' Compensation or other benefits arising by reason of injury or

DAMAGES – LOSSES – INJURIES (Cont'd)

death to a member of a force of such party while engaged in rendering services under the terms of this contract, it being mutually agreed between the parties hereto that the responding party shall be solely responsible for any loss or damages sustained by third parties injured or damaged by any act of said responding party in rendering aid, assistance, manpower, or equipment under the terms of this contract.

VI. TERM OF CONTRACT

This agreement shall be in effect for a period of three (3) years from the effective date hereof and shall be automatically renewed for successive periods of three (3) years as to all parties, unless termination and notice to withdrawal is completed in accordance with the terms herein.

VII. TERMINATION

It is mutually agreed by the parties that any party may terminate this agreement at any time upon written notice served by registered mail to the other party sixty (60) days in advance of such effective termination. Such termination or withdrawal, however, shall not be deemed termination of the entire contact and agreement as to the remaining parties hereto and as to those remaining, this agreement will continue in full force and effect with the mutual promise of such parties remaining as the consideration therefore.

Upon receipt of the notice of intent by registered mail from any party hereto, the Center for Local Government, the party designated as the official repository for this contract, will notify all other parties hereto of the details of such notice.

VIII. IMPLEMENTATION

It is mutually agreed that this contract shall be implemented by the organization known as the Center for Local Government, as such group shall be responsible for distribution of the various instruments connected with same, and for acting, through its administrator, as the official repository for same and for sending notices to parties hereto as herein provided.

It is further mutually agreed that membership in the said Association is a prerequisite for being a party to this contract; such limitation being expressed within the limits of membership as hereinafter provided.

IX. PARTIES (Membership)

Shall be comprised of the members of the Center for Local Government.

X. EXECUTION

This agreement may be executed in any number of counterparts, all of which together shall be considered a single instrument. All of the counterparts shall be filed with the administrator, of the Center for Local Government, who shall be deemed the official repository for this agreement and contract is accepted, together with the citation for providing who shall sign the counterpart binding said party.

The administrator of the Center for Local Government shall send to each party to this contract a certificate indicating the names of all parties to the same as soon as practicable after the effective date hereof.

XI. ADDITIONAL PARTIES TO CONTRACT

It is mutually agreed by the parties hereto that from time to time new parties to this agreement may be added, provided other requirements are met as specified herein, and further provided that all parties to this contract have been notified by the administrator of the Center for Local Government, by registered or certified mail, no later than thirty (30) days after their acceptance. The date of the initial tern shall coincide with the then existing term of this contract, whether within the initial term or successive automatic renewal term hereof, and from that time shall be for the same term as other parties to this contract.

XII. EFFECTIVE DATE

This agreement shall become effective upon execution by the Chief Administrative Officer and will be effective on that date as to all parties who have executed the agreement in accordance with law and have returned same to the administrator of the Center for Local Government. The administrator, when making initial distribution of the agreement counterparts, shall indicate the dates forth herein to all parties.

XIII. SEPARABILITY OF CLAUSES

• • • •	reto that should any part, section, clause or specifications, clauses and specifications shall continue to operate	
IN WITNESS WHEREOF, the undersigned day of	ed, through its duly authorized agent(s) or representative, 20	e(s), hereunto set its hand this
	Local Jurisdiction	-
	Chief Administrative Officer	
	Director, Center for Local Government	