



Engineering  
for people



# Parkhill Main Street Parkhill Rehabilitation

Public Information Centre

**Presented by**

Stuart Winchester, P.Eng., Partner  
27 January 2022, 6:00 pm

# Agenda

- Scope and Purpose of the Project
  - Preliminary Schedule
  - Staging
  - Traffic Controls and Access
  - Streetscape Elements
- 
- **Purpose of today's meeting is to provide information related to the Project, and to solicit feedback from the public.**



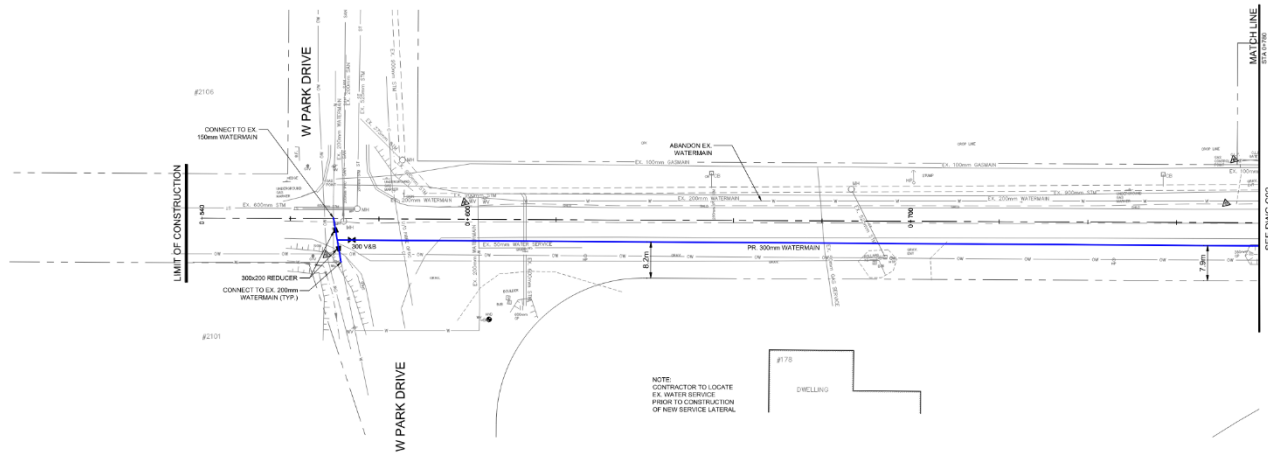
# Scope and Purpose of the Project

- The Project currently includes:
  - Replacement and upgrading of the watermain from on Parkhill Main Street from Elginfield Road to Parkhill Drive, and on Elginfield Road from Parkhill Main Street to West park Drive.
  - Replacement of water service lateral connections to property line.
  - Replacement and upgrading of the sanitary sewer on Mill Street, Parkhill Main Street, and Hastings Street from approximately 62m east of Parkhill Main Street to 93m west of Parkhill Main Street.
- This project is required to address:
  - Limitations in the existing water distribution system to convey flows for fire fighting purposes.
  - Address capacity limitations in the existing sanitary collection system resulting from planned growth in Parkhill.
- This Project is being coordinated with planned upgrades to the Parkhill Reservoir and Pumping Station.
- This Project also provides an opportunity for streetscape enhancements, improved illumination and walkability, or additional amenities, subject to Council approval.

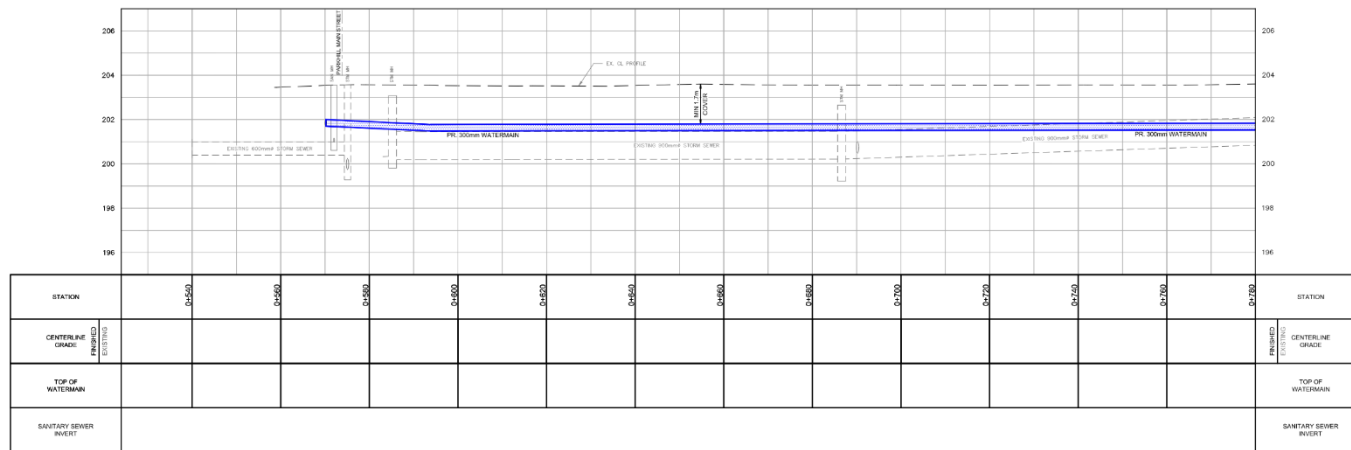
# Project Status

- In accordance with the Municipal Class EA Planning process, the Parkhill Main Street Parkhill Rehabilitation Project is considered to be a Schedule A+ Undertaking under the Environmental Assessment Act.
- Schedule A+ Projects are pre-approved.
- Approvals will be required from ABCA and MECP.
- Works are being coordinated with the County of Middlesex to minimize disruption to the residents and business owners in Parkhill.
- The Project is being funded primarily by user rates. Growth related costs will be funded, in part, by Municipal Development Charges. Roadway improvements on Parkhill Main Street will be funded by the County.

# Project Details – Elliot Drive (0+540 – 0+780)



ELLIOT DRIVE



**NOTES:**  
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.  
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.  
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**LEGEND**  
 ——— SANITARY WATERMAIN

NO.	DESCRIPTION	DATE
1	ISSUED FOR SOIL SUBMISSION	2020/01/14

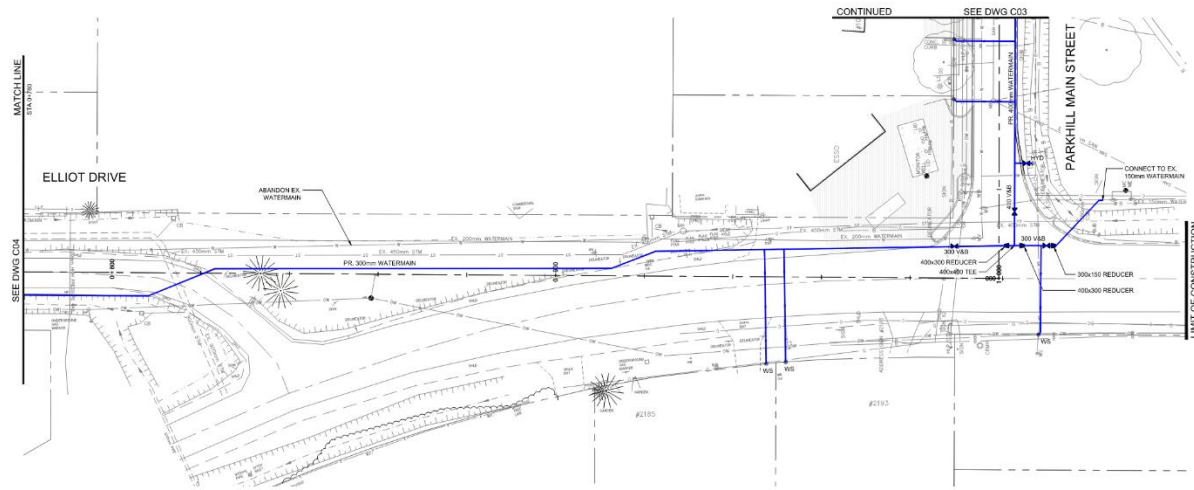
NO.	DESCRIPTION	DATE
1	ISSUED FOR SOIL SUBMISSION	2020/01/14



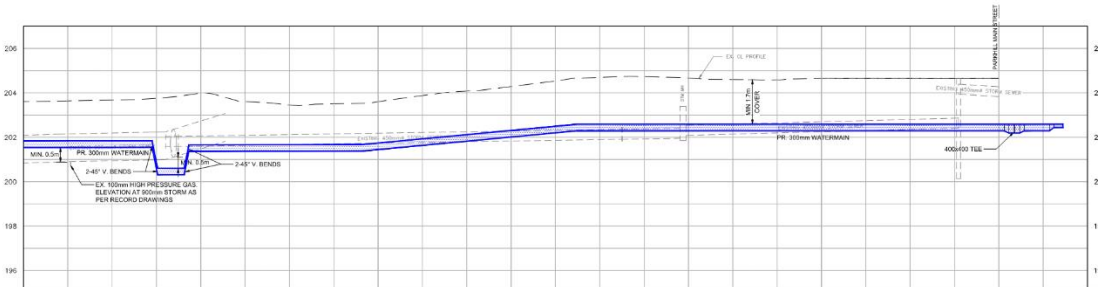
**PARKHILL MAIN STREET WATERMAIN REHABILITATION**  
 ELLIOT DRIVE  
 STA 0+540 - STA 0+780

CONSTRUCTION	
PROJECT NO.	C01

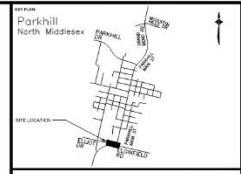
# Project Details – Elginfield Road (0+780 – 1+000)



ELGINFIELD ROAD



STATION	0+780	0+800	0+820	0+840	0+860	0+880	0+900	0+920	0+940	0+960	0+980	1+000	STATION
CENTERLINE GRADE													
TOP OF WATERMAIN													
SANITARY SEWER INVERT													



**REVISIONS AND NOTES**

DATE: 2023-04-14  
 BY: [Signature]  
 CHECKED BY: [Signature]

**LEGEND**

— SANITARY  
 — WATERMAIN

NO.	DATE	REVISION	BY	CHK.
1	2023-04-14	ISSUED FOR PERMITS SUBMISSION	[Signature]	[Signature]

**PROJECT NAME**

PARKHILL MAIN STREET  
 WATERMAIN REHABILITATION



**PROJECT NAME**

PARKHILL MAIN STREET  
 WATERMAIN REHABILITATION

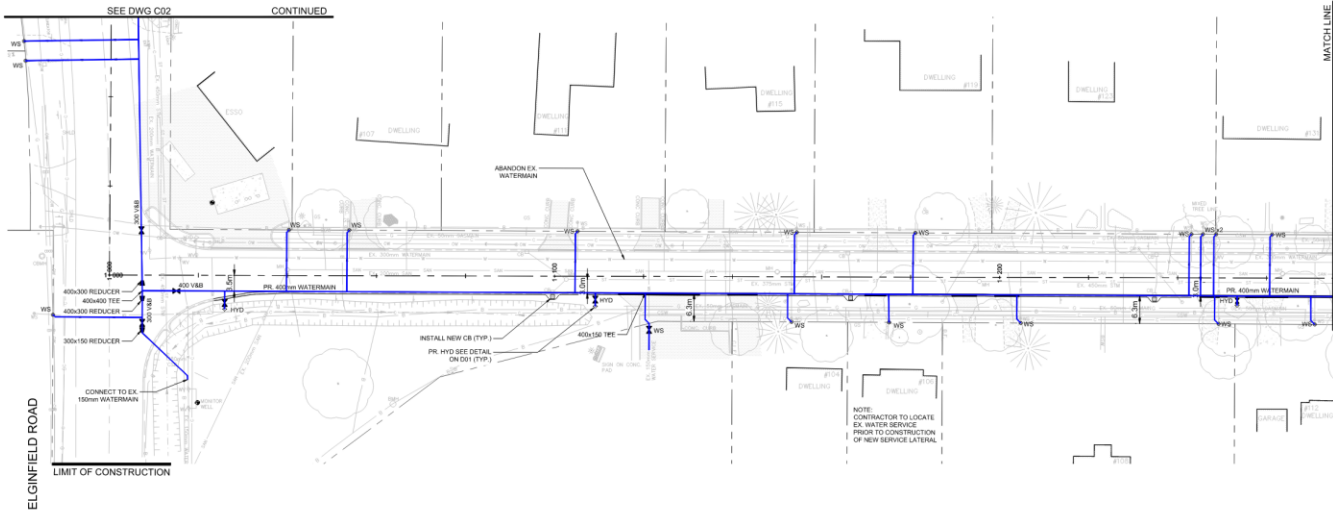
**PROJECT NO.**

ELGINFIELD ROAD  
 STA 0+780 - STA 1+000

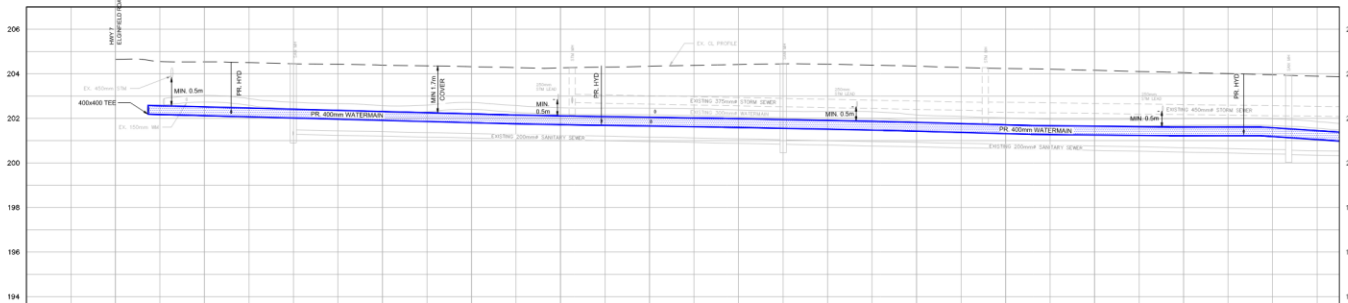
CONSTRUCTION	
DATE: 2023-04-14	SCALE: H: 1:500 V: 1:50
PROJECT NO: F0101218	DATE: DEC 2021
PROJECT NO: F0101218	DATE: NOV
PROJECT NO: F0101218	DATE: [Blank]

C02

# Project Details – Parkhill Main Street (1+100 – 1+275)



PARKHILL MAIN STREET



STATION	1+000	1+020	1+040	1+060	1+080	1+100	1+120	1+140	1+160	1+180	1+200	1+220	1+240	1+260	STATION
CENTERLINE GRADE															
TOP OF WATERMAIN															
SANITARY SEWER INVERT															



**THE PROPOSED WORKS:**  
 REHABILITATION OF EX. 400mm PR WATERMAIN (CONTRACTOR TO VERIFY EX. WATERMAIN SIZE AND MATERIALS) TO THE LIMITS OF THE CONSTRUCTION OF THE NEW WORK.  
 INSTALLATION OF 400mm PR WATERMAIN WITH 150mm DIA. SERVICE LATERALS.  
 IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE CONTRACTOR'S FIELD SURVEY AND THE INFORMATION PROVIDED BY THE CLIENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ANY SUCH DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

**NOTES:**  
 THE CONTRACTOR SHALL VERIFY THE EXISTING WATERMAIN SIZE AND MATERIALS PRIOR TO CONSTRUCTION OF THE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLVING ANY DISCREPANCIES BETWEEN THE CONTRACTOR'S FIELD SURVEY AND THE INFORMATION PROVIDED BY THE CLIENT, PRIOR TO THE START OF CONSTRUCTION.



NO.	DATE	DESCRIPTION	BY	CHECKED
1	2021-11-14	ISSUED FOR PERMITS SUBMISSION	MM	
2	2021-10-28	ISSUED FOR PERMITS SUBMISSION	MM	
3	2021-09-28	ISSUED FOR CONCEPTUAL ALIGNMENT	MM	
4	2021-09-28	ISSUED FOR CONCEPTUAL ALIGNMENT	MM	

NO.	DATE	DESCRIPTION	BY	CHECKED
1	2021-11-14	ISSUED FOR PERMITS SUBMISSION	MM	
2	2021-10-28	ISSUED FOR PERMITS SUBMISSION	MM	
3	2021-09-28	ISSUED FOR CONCEPTUAL ALIGNMENT	MM	
4	2021-09-28	ISSUED FOR CONCEPTUAL ALIGNMENT	MM	

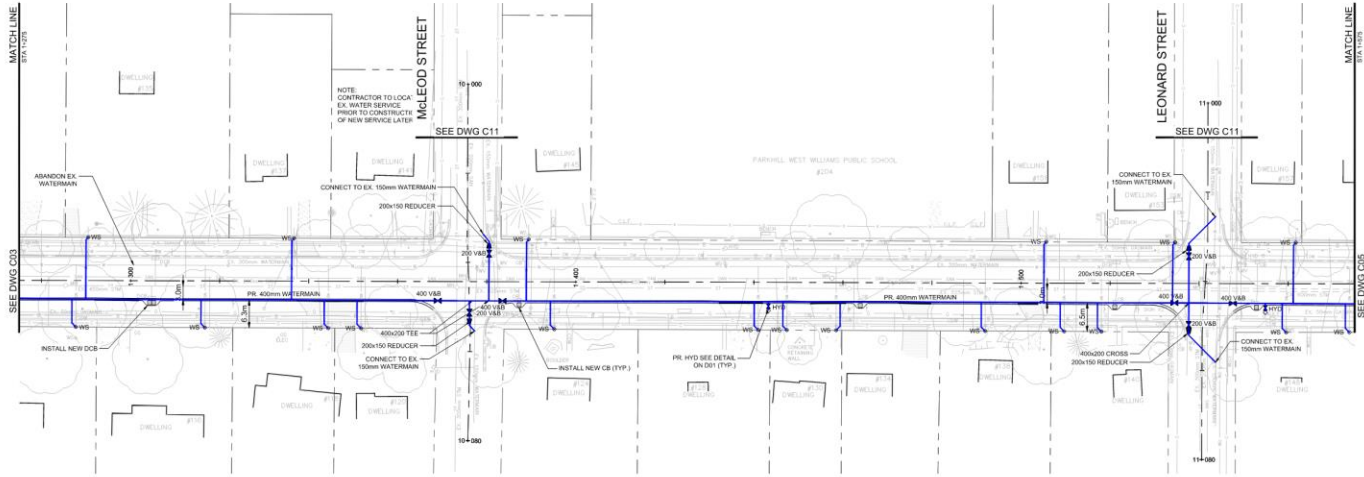


**PROJECT NAME:**  
 PARKHILL MAIN STREET WATERMAIN REHABILITATION

**PROJECT LOCATION:**  
 PARKHILL MAIN STREET STA 1+000 - STA 1+275

CONSTRUCTION	
SCALE:	H 1:500 V 1:100
DATE:	NOV 2021
PROJECT NO.:	100187
DRAWING NO.:	C03

# Project Details – Parkhill Main Street (1+275 – 1+575)



PARKHILL MAIN STREET



STATION	1+280	1+300	1+320	1+340	1+360	1+380	1+400	1+420	1+440	1+460	1+480	1+500	1+520	1+540	1+560	STATION
CENTERLINE GRADE																
TOP OF WATERMAIN																
SANITARY SEWER INVERT																



**CONSTRUCTION NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION, AS AMENDED BY THE 2019 SUPPLEMENT, AND THE 2020 SUPPLEMENT, PUBLISHED BY THE MICHIGAN DEPARTMENT OF TRANSPORTATION.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

4. THE CONTRACTOR SHALL MAINTAIN ADEQUATE TRAFFIC CONTROL AND SAFETY MEASURES THROUGHOUT THE PROJECT.

5. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AND AS-BUILT DRAWINGS THROUGHOUT THE PROJECT.

6. THE CONTRACTOR SHALL MAINTAIN ADEQUATE COMMUNICATIONS WITH THE PROJECT MANAGER AND ALL STAKEHOLDERS.

7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL WORK DONE THROUGHOUT THE PROJECT.

8. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL MATERIALS USED THROUGHOUT THE PROJECT.

9. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL LABORERS EMPLOYED THROUGHOUT THE PROJECT.

10. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL EQUIPMENT USED THROUGHOUT THE PROJECT.

11. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL SAFETY INCIDENTS THROUGHOUT THE PROJECT.

12. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL ACCIDENTS THROUGHOUT THE PROJECT.

13. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL COMPLAINTS THROUGHOUT THE PROJECT.

14. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER INCIDENTS THROUGHOUT THE PROJECT.

15. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER INFORMATION THROUGHOUT THE PROJECT.

16. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER INFORMATION THROUGHOUT THE PROJECT.

17. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER INFORMATION THROUGHOUT THE PROJECT.

18. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER INFORMATION THROUGHOUT THE PROJECT.

19. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER INFORMATION THROUGHOUT THE PROJECT.

20. THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL OTHER INFORMATION THROUGHOUT THE PROJECT.

**LEGEND**

— SANITARY

— WATERMAIN

NO.	DATE	DESCRIPTION	BY	CHKD
1	2023-12-14	ISSUED FOR 50% SUBMISSION	MM	MM
2	2023-12-28	ISSUED FOR 90% SUBMISSION	MM	MM
3	2024-01-08	ISSUED FOR CONSTRUCTION	MM	MM
4	2024-01-08	ISSUED FOR CONSTRUCTION	MM	MM

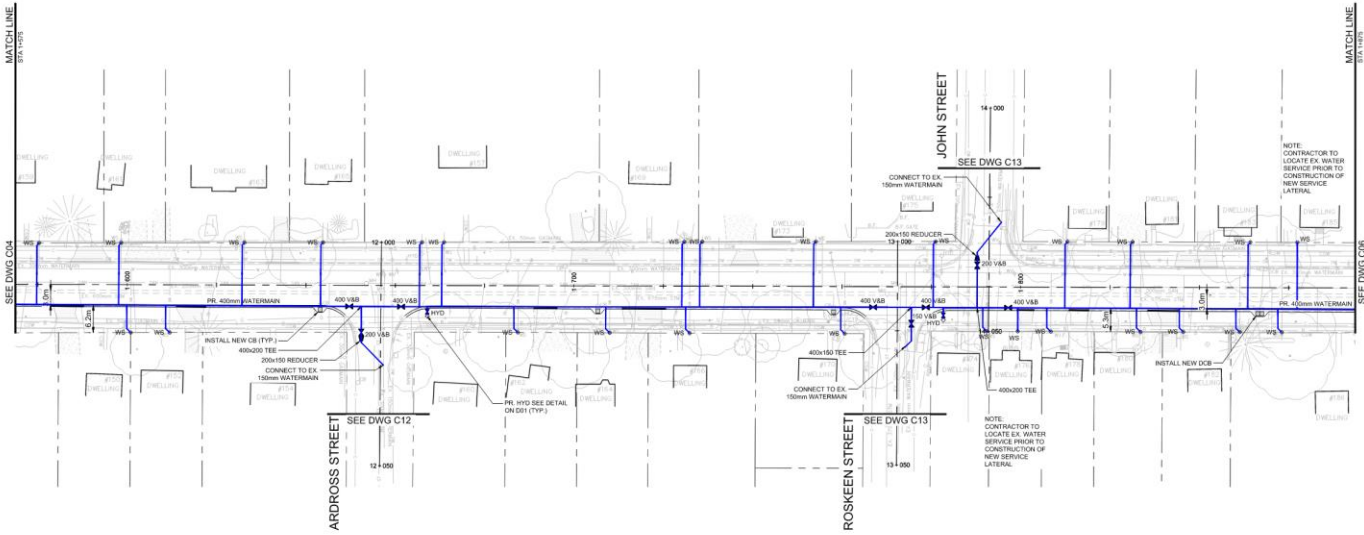
**PARKHILL MAIN STREET WATERMAIN REHABILITATION**

PARKHILL MAIN STREET  
STA 1+275 - STA 1+575

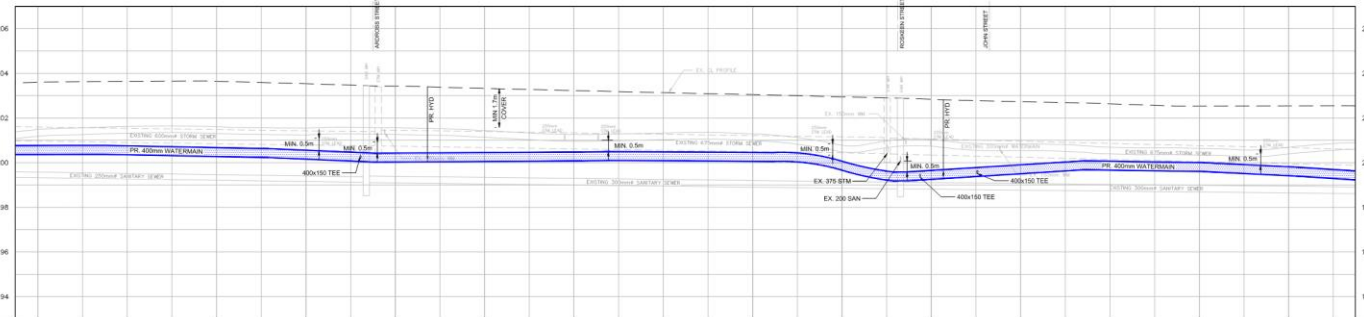
CONSTRUCTION	
DATE	2024-01-08
BY	MM
CHKD	MM
PROJECT NO.	1001878
ISSUED FOR	C04



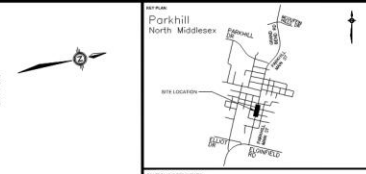
# Project Details – Parkhill Main Street (1+575 – 1+875)



PARKHILL MAIN STREET



STATION	1+580	1+600	1+620	1+640	1+660	1+680	1+700	1+720	1+740	1+760	1+780	1+800	1+820	1+840	1+860	STATION
CENTERLINE GRADE																
TOP OF WATERMAIN																
SANITARY SEWER INVERT																



**LEGEND**

— SANITARY  
— WATERMAIN

NO.	DESCRIPTION	DATE	BY
1	PROJECT 11	ISSUED FOR PERMITS SUBMISSION	SM
2	2021-04-02	ISSUED FOR PERMITS SUBMISSION	SM
3	2021-05-03	ISSUED FOR PERMITS SUBMISSION	SM
4	2021-05-03	ISSUED FOR CONCEPTUAL ALIGNMENT	SM
5	2021-05-03	ISSUED FOR CONCEPTUAL ALIGNMENT	SM

**CIM+**

**North Middlesex**

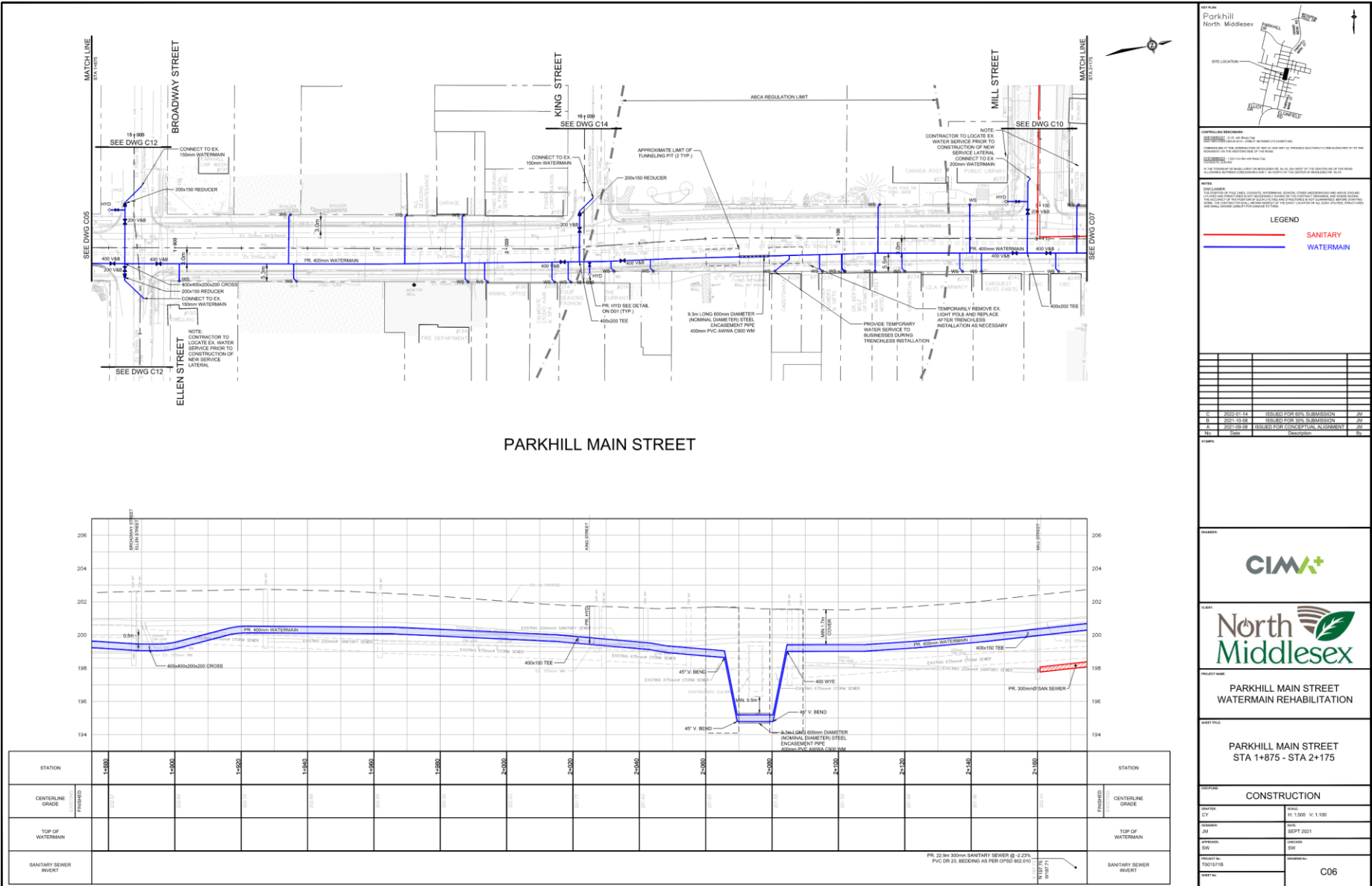
**PARKHILL MAIN STREET WATERMAIN REHABILITATION**

**PARKHILL MAIN STREET STA 1+575 - STA 1+875**

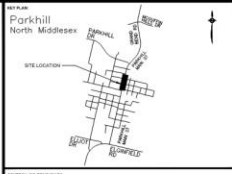
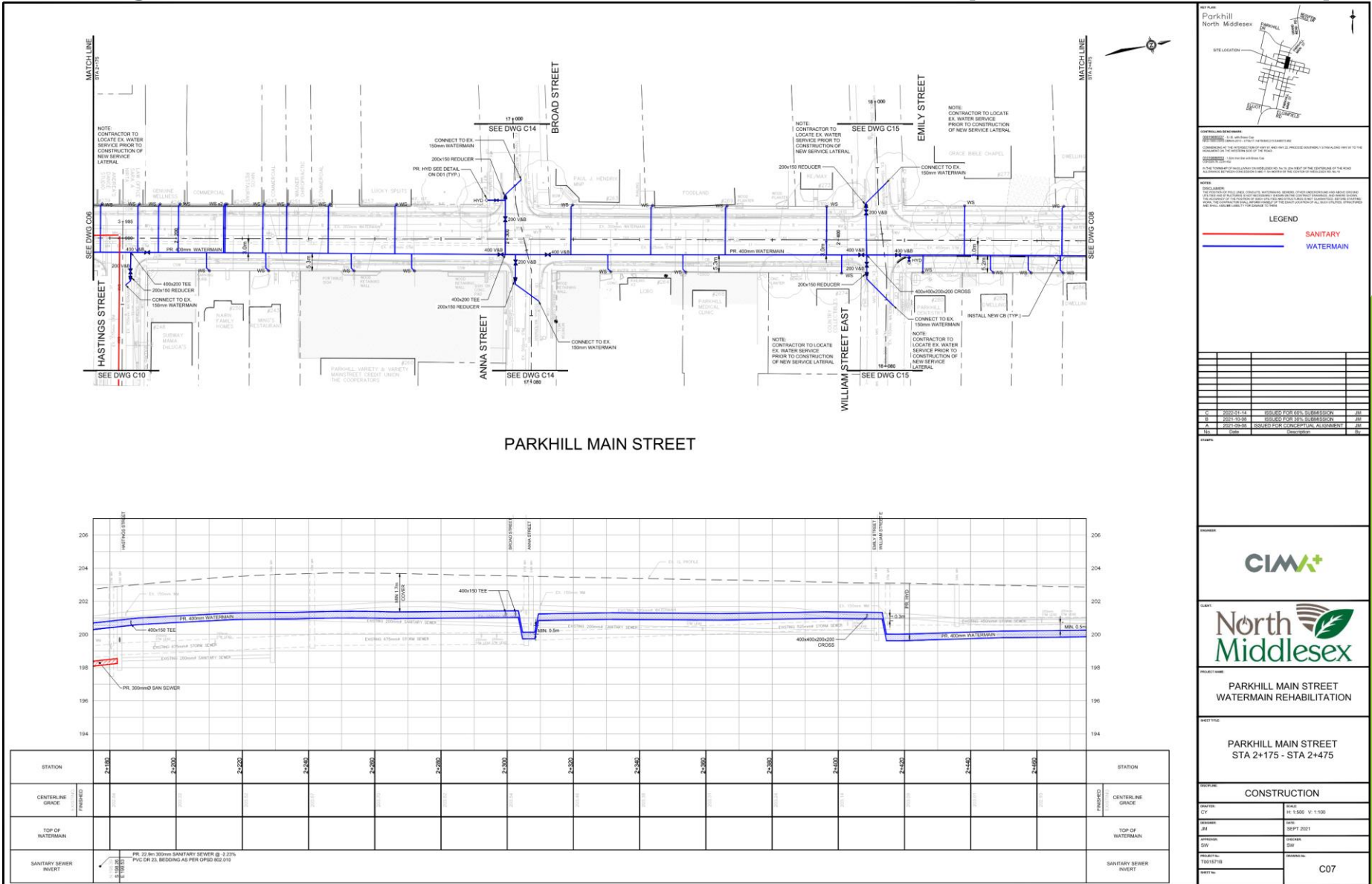
**CONSTRUCTION**

DATE: 14 SEP 2021  
 PROJECT NO: 19057810  
 DRAWING NO: C05

# Project Details – Parkhill Main Street (1+875 – 2+175)



# Project Details – Parkhill Main Street (2+175 – 2+475)



**CONSTRUCTION SCHEDULE**

NO.	DESCRIPTION	START DATE	END DATE
1	PRELIMINARY WORK	2021-08-01	2021-08-31
2	CONSTRUCTION	2021-09-01	2021-10-31
3	COMPLETION	2021-11-01	2021-11-30

**REVISIONS**

NO.	DATE	DESCRIPTION
1	2021-08-14	ISSUED FOR 30% SUBMISSION
2	2021-10-28	ISSUED FOR 30% SUBMISSION
3	2021-10-28	ISSUED FOR CONCEPTUAL APPROVAL

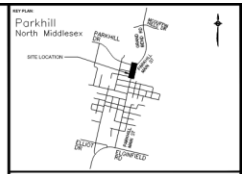
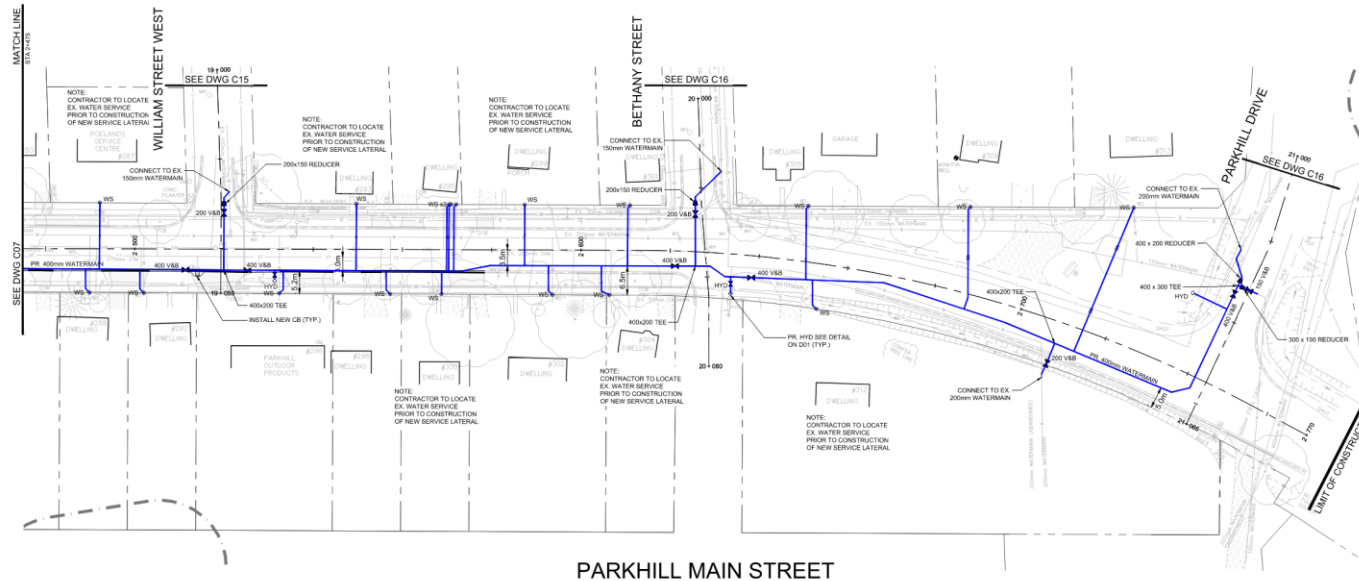
**PARKHILL MAIN STREET WATERMAIN REHABILITATION**

PARKHILL MAIN STREET  
STA 2+175 - STA 2+475

**CONSTRUCTION**

PROJECT NO.	17003718	SCALE	H: 1:500 V: 1:500
DATE	SEPT 2021	DESIGNED BY	SW
PROJECT NO.	17003718	ISSUED BY	C07

# Project Details – Parkhill Main Street (2+475 – 2+773.9)



**LEGEND**  
— SANITARY  
— WATERMAIN

DATE	DESCRIPTION
2022-01-13	ISSUED FOR 80% SUBMISSION
2022-03-08	ISSUED FOR 90% SUBMISSION
2022-08-08	ISSUED FOR CONCEPTUAL ALIGNMENT
2022-08-08	ISSUED FOR CONCEPTUAL ALIGNMENT



STATION	2+480	2+490	2+500	2+510	2+520	2+530	2+540	2+550	2+560	2+570	2+580	2+590	2+600	2+610	2+620	2+630	2+640	2+650	2+660	2+670	2+680	2+690	2+700	2+710	2+720	2+730	2+740	2+750	2+760	2+770	2+780	STATION		
CENTERLINE GRADE																																		
TOP OF WATERMAIN																																		
SANITARY SEWER INVERT																																		

**CIM+**

**North Middlesex**

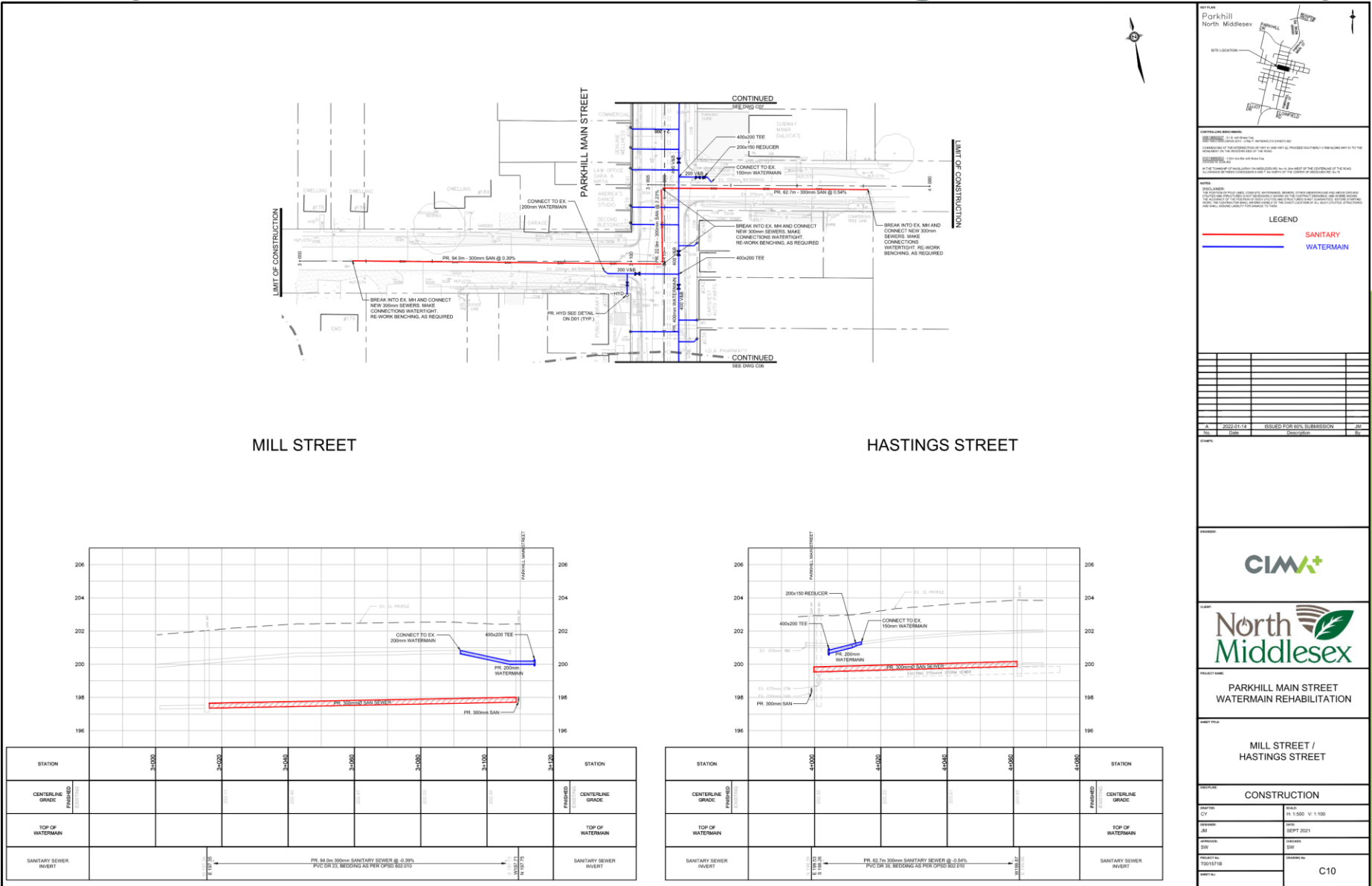
**PARKHILL MAIN STREET WATERMAIN REHABILITATION**

**PARKHILL MAIN STREET STA 2+475 - STA 2+773.852**

**CONSTRUCTION**

Scale: H: 1:500 V: 1:100  
 Date: SEPT 2021  
 Project: C08

# Project Details – Mill Street / Hastings Street Sanitary



# Preliminary Schedule

- Design to be completed in April 2022
  - Subject to any additional scope requested by the public to address streetscaping features
- Tender the Works in May 2022
- Start Construction in July/August 2022
  - Advanced notice will be issued to residents of Parkhill before the Contractor mobilizes their forces
- Complete Construction in late Fall of 2022
  - Subject to weather conditions, final restoration of landscaped areas may be deferred until spring 2023
- Project subject to a 2-year warranty period

# Staging Considerations

On a Preliminary Basis, the Project will be constructed in three Stages, as follows:

- Stage 1

- Construction of the new watermain from Parkhill Drive to Cameron-Gillies Drain, including replacement of service connections from the new main to property line.
- Testing and commissioning of the new watermain, including transferring the new water services to the existing private water services.
- Replacement and upgrading of the sanitary sewer from Mill Street to Hastings Street, including the sewers on Mill Street and Hastings Street.
- Replacement of all curb and gutters, sidewalks, and asphalt paving
- Potential streetscaping improvements.

- Stage 2

- Construction of the new watermain from Cameron-Gillies Drain to Elginfield Road, including replacement of service connections from the new main to property line.
- Testing and commissioning of the new watermain, including transferring the new water services to the existing private water services.
- Replacement of all curb and gutters, sidewalks, and asphalt paving
- Potential streetscaping improvements.

# Staging Considerations

On a Preliminary Basis, the Project will be constructed in three Phases, as follows:

- Stage 3

- Construction of the new watermain from Parkhill Main Street to West Park Drive including replacement of service connections.
- Testing and commissioning of the new watermain, including transferring the new water services to the existing private water services.
- Restoration and potential streetscaping improvements.



# Traffic Controls and Access

- **Stage 1 – Main Street, Parkhill Drive to Cameron-Gillies Drain**
  - Road to be closed except for local access.
  - Through traffic to be detoured between Elginfield Road and Parkhill Drive along West Park Drive, Mill Street, and Station Street
  - Access to private property to be maintained – short-term restrictions will be permitted.
- **Stage 2 – Main Street, Cameron-Gillies Drain to Elginfield Road**
  - Road to be closed except for local access.
  - Through traffic to be detoured between Elginfield Road and Parkhill Main Street along West Park Drive and Mill Street.
  - Access to private property to be maintained – short-term restrictions will be permitted.
- **Stage 3 – Elginfield Road, Parkhill Main Street to West Park Drive**
  - Contractor to maintain minimum one lane open at all times.
  - Traffic on Elginfield Road / Elliot Drive to be controlled by flag-persons, as required.
  - Parkhill Main Street fully re-opened
  - Access to private property to be maintained – short-term restrictions will be permitted

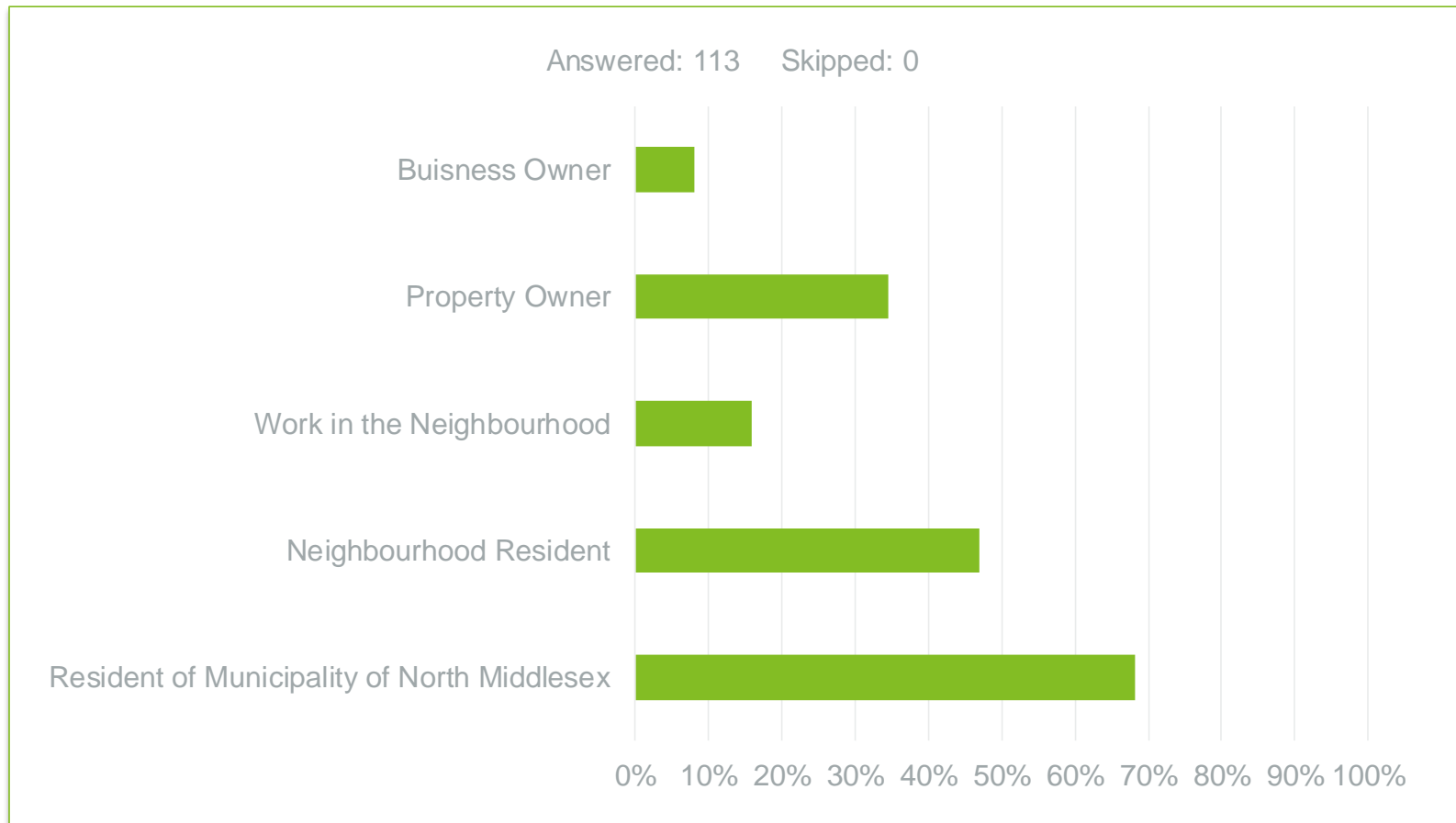
# Streetscape Elements

- Currently, the Project anticipates restoring the road allowance back to its current configuration, with new curbs, asphalt and sidewalk.
- There is an opportunity to provide additional streetscape enhancements, subject to budgetary limitations. Potential streetscape enhancements could include:
  - Enhanced illumination
  - Improved Sidewalks and Pedestrian Crossings
  - Street Furniture (Benches, Garbage Bins, Recycling Bins)
  - Ornamental Plantings
  - Bicycle Racks
  - Wayfinding Signage
- Please complete the questionnaire included within your information hand-out to provide your comments and suggestions regarding any streetscaping enhancements to be incorporated into this Project.
  - Responses to the questionnaire received as of January 11<sup>th</sup>, 2022 are summarized on the following slides.



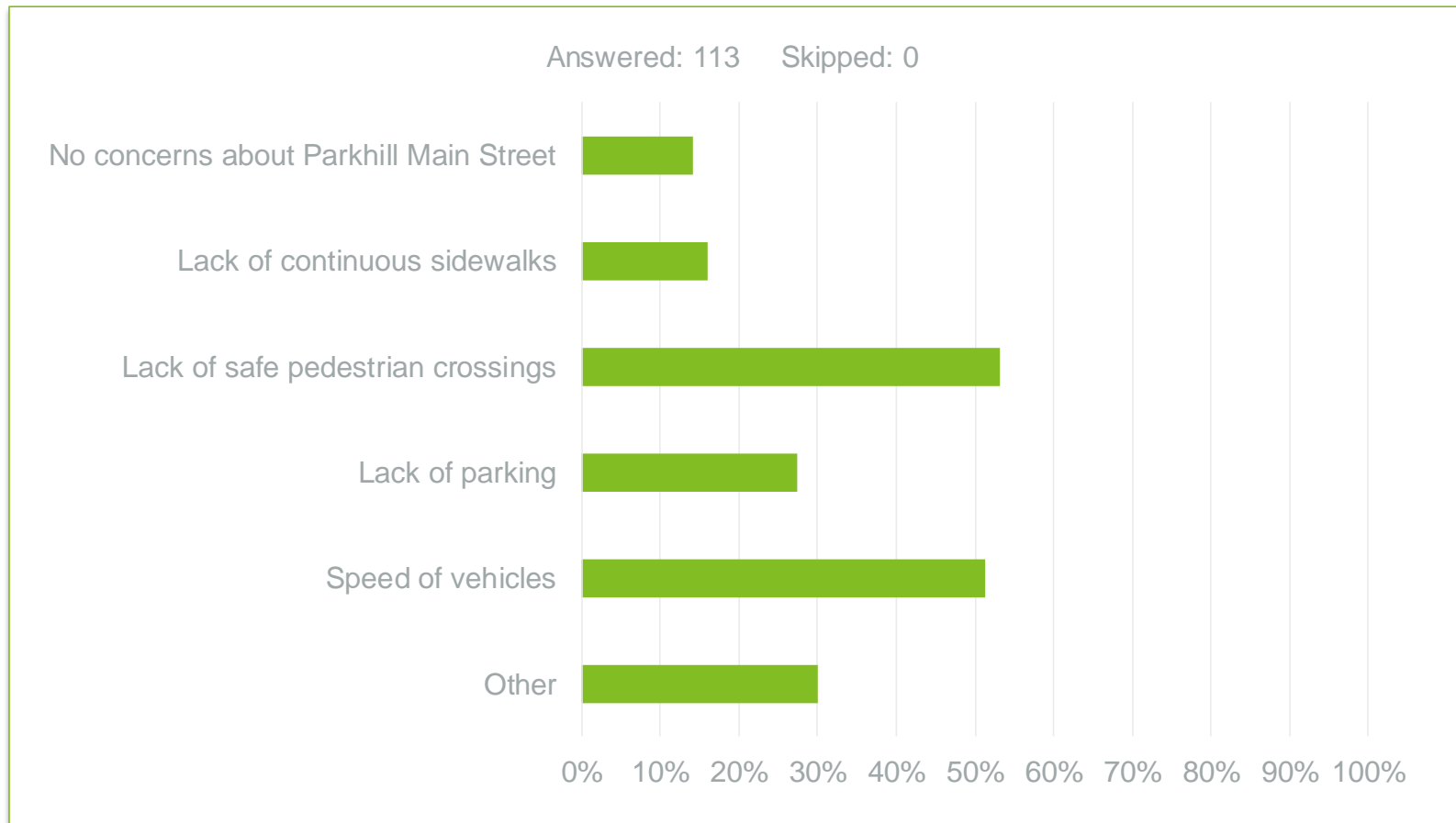
# Question 1

- The following best describes my relationship to the project:



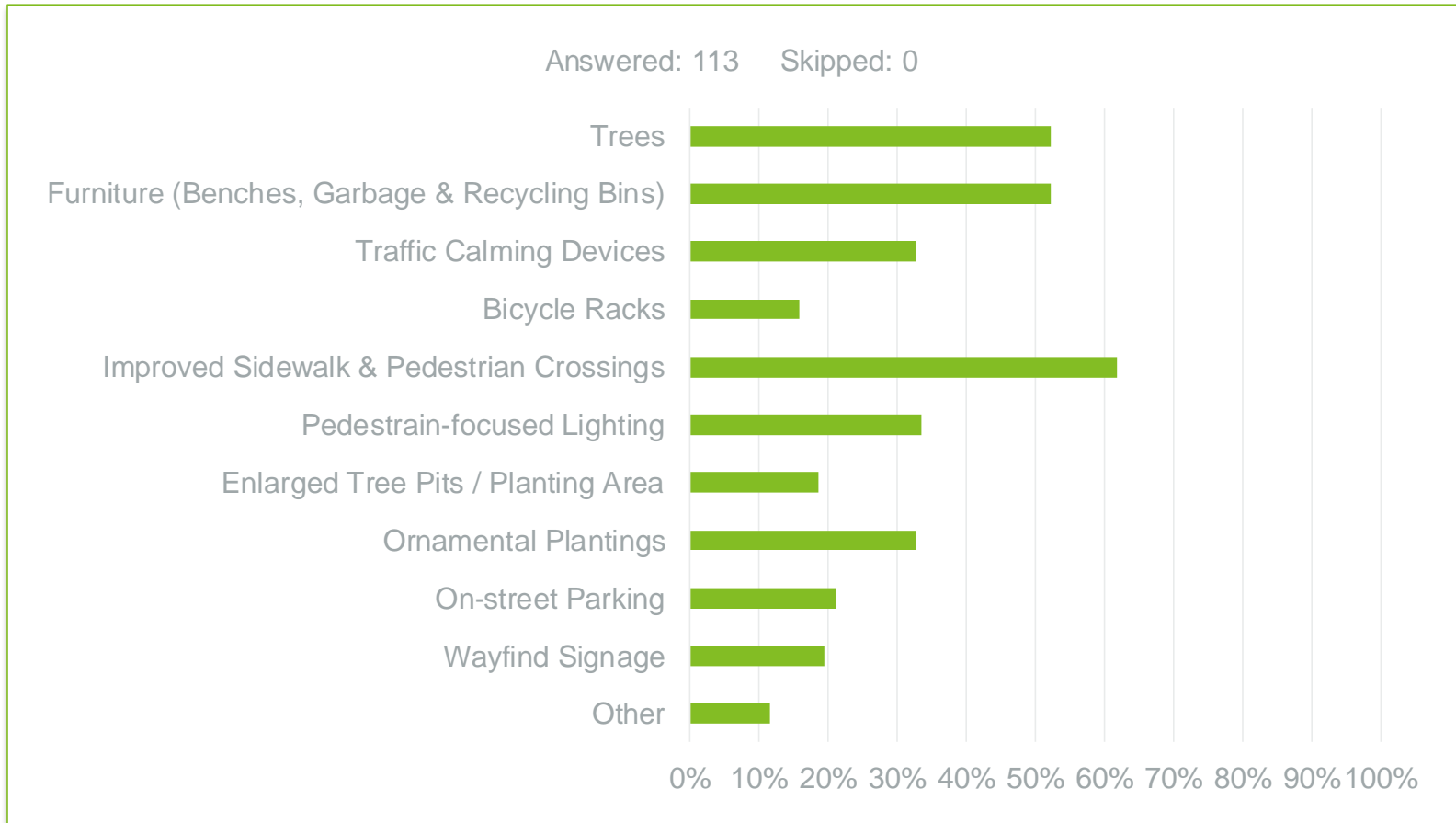
## Question 2

- My concerns regarding the current state of Parkhill Main Street include:



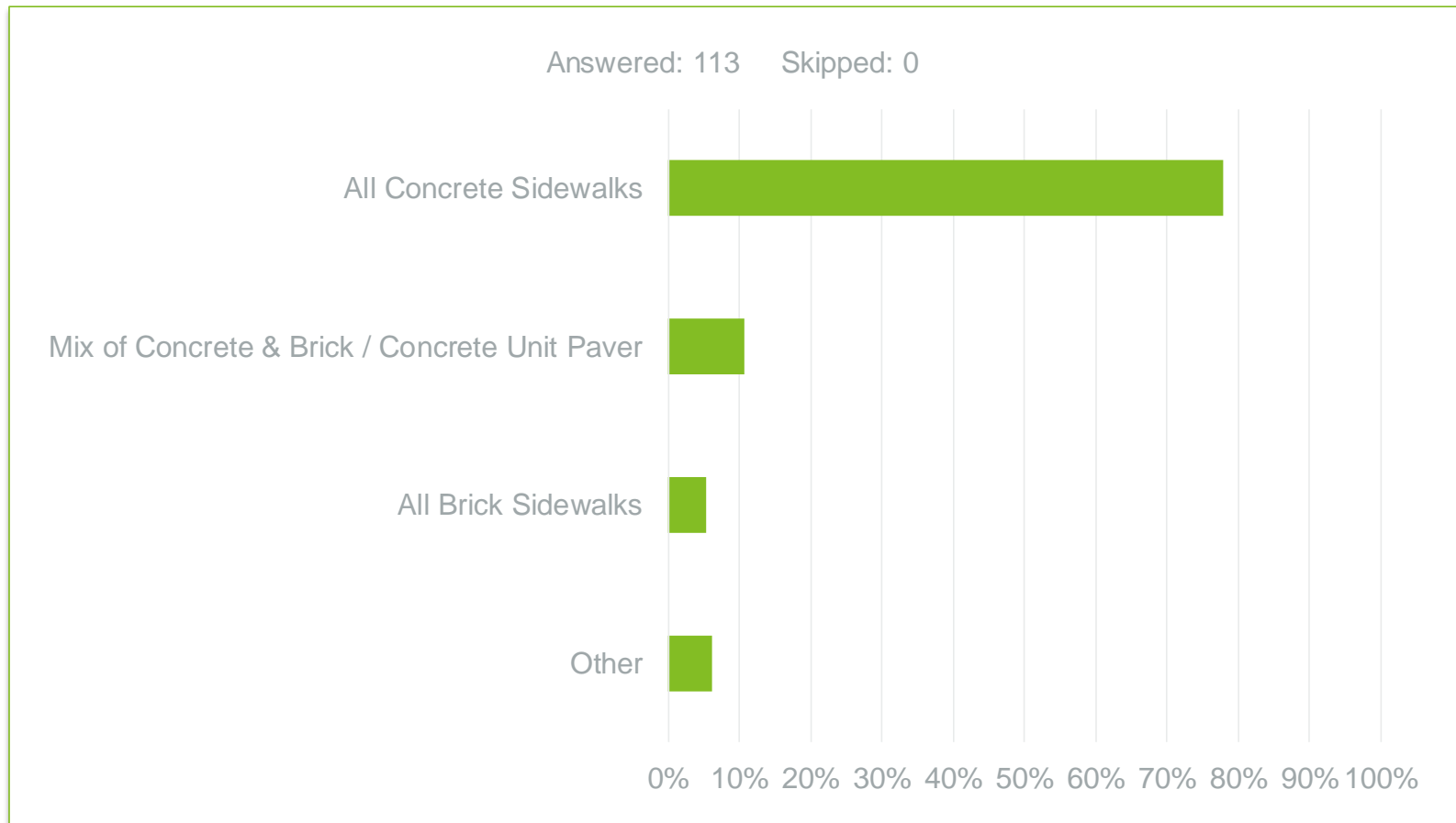
# Question 3

- Amenities I would like to see prioritized in the Parkhill Main Street Rehabilitation Project include:



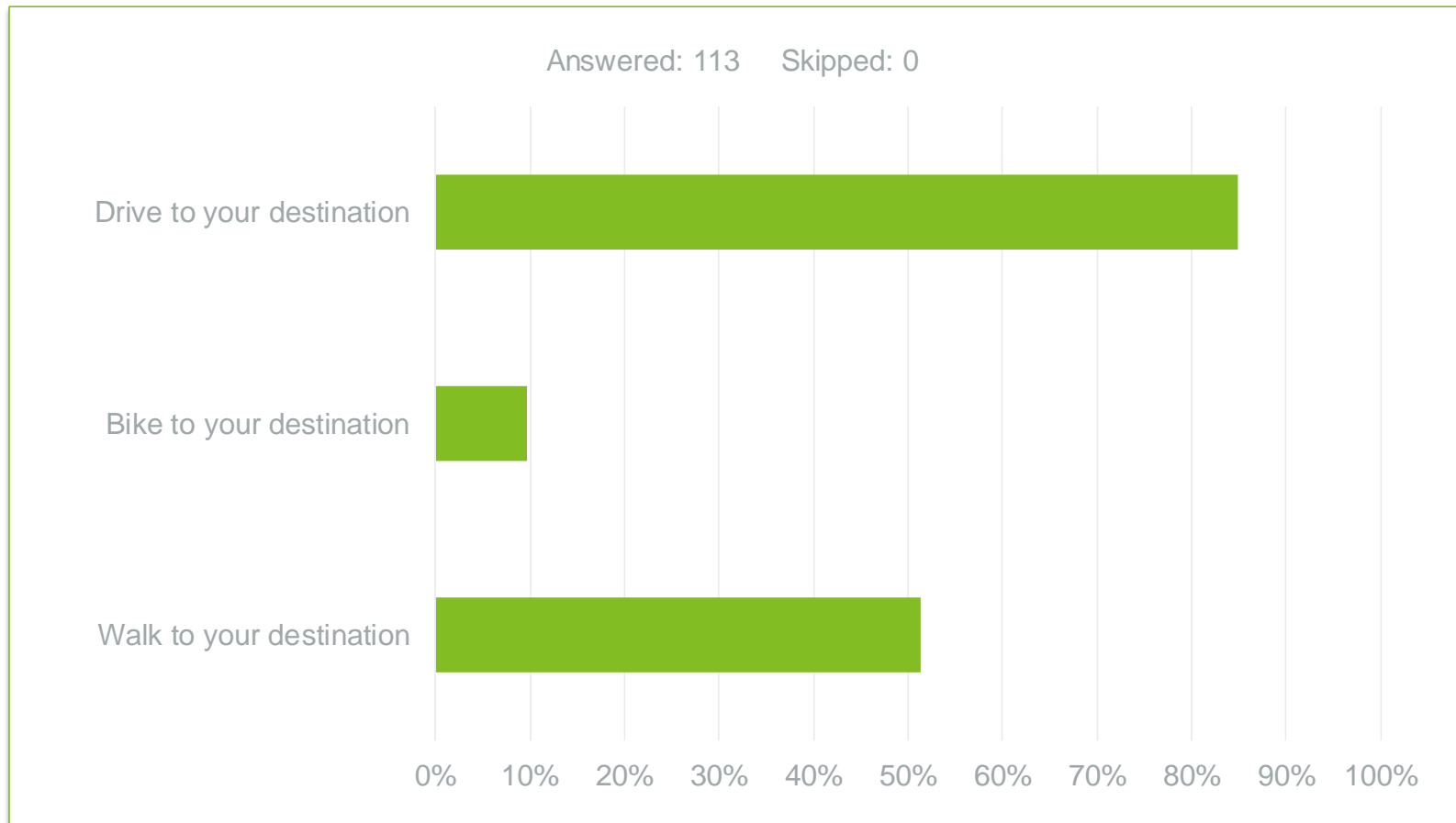
# Question 4

- In terms of future sidewalk walking surface improvements on Parkhill Main Street, please identify your material preference.



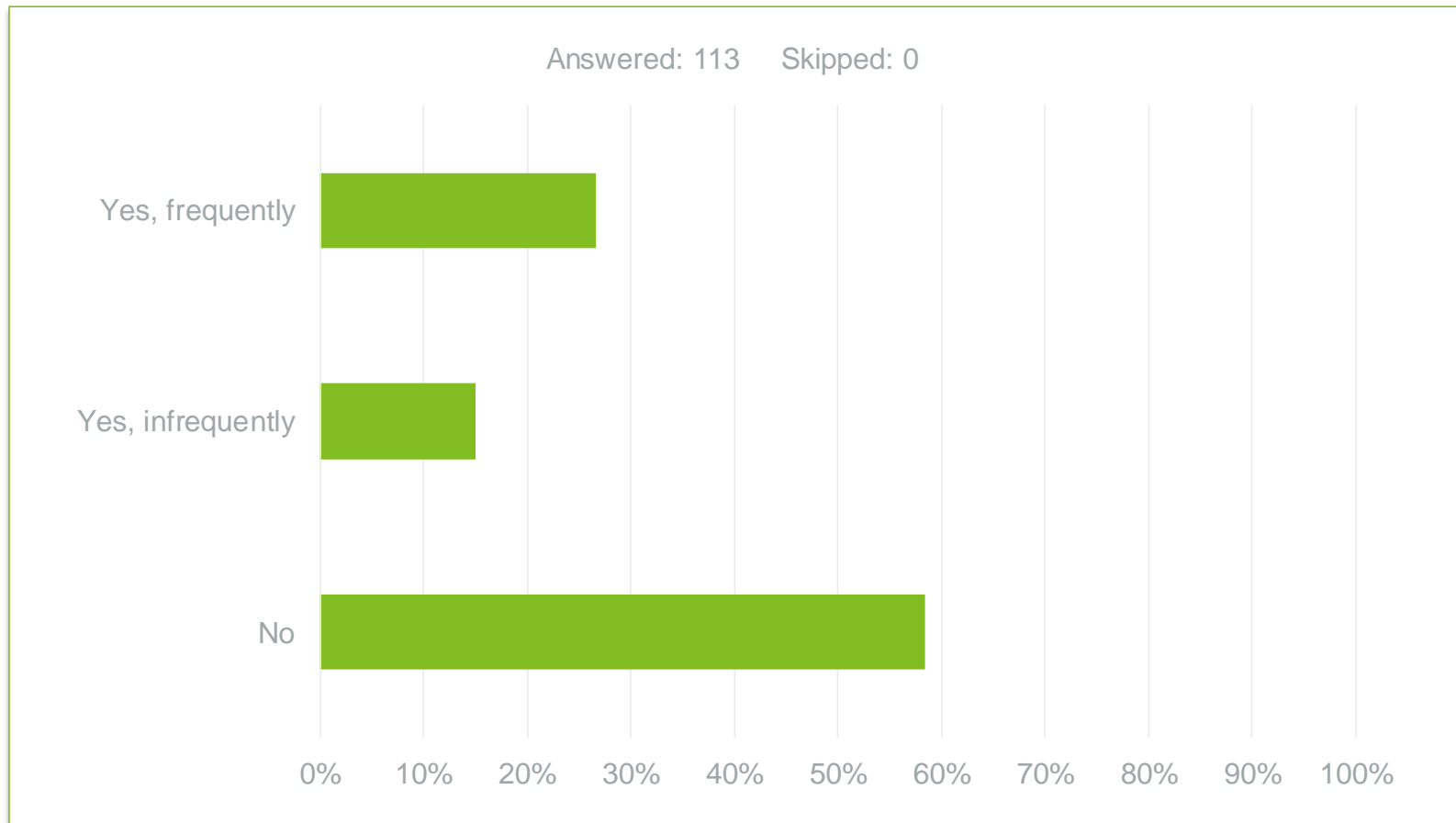
# Question 5

- How do you typically access businesses along Parkhill Main Street?



# Question 6

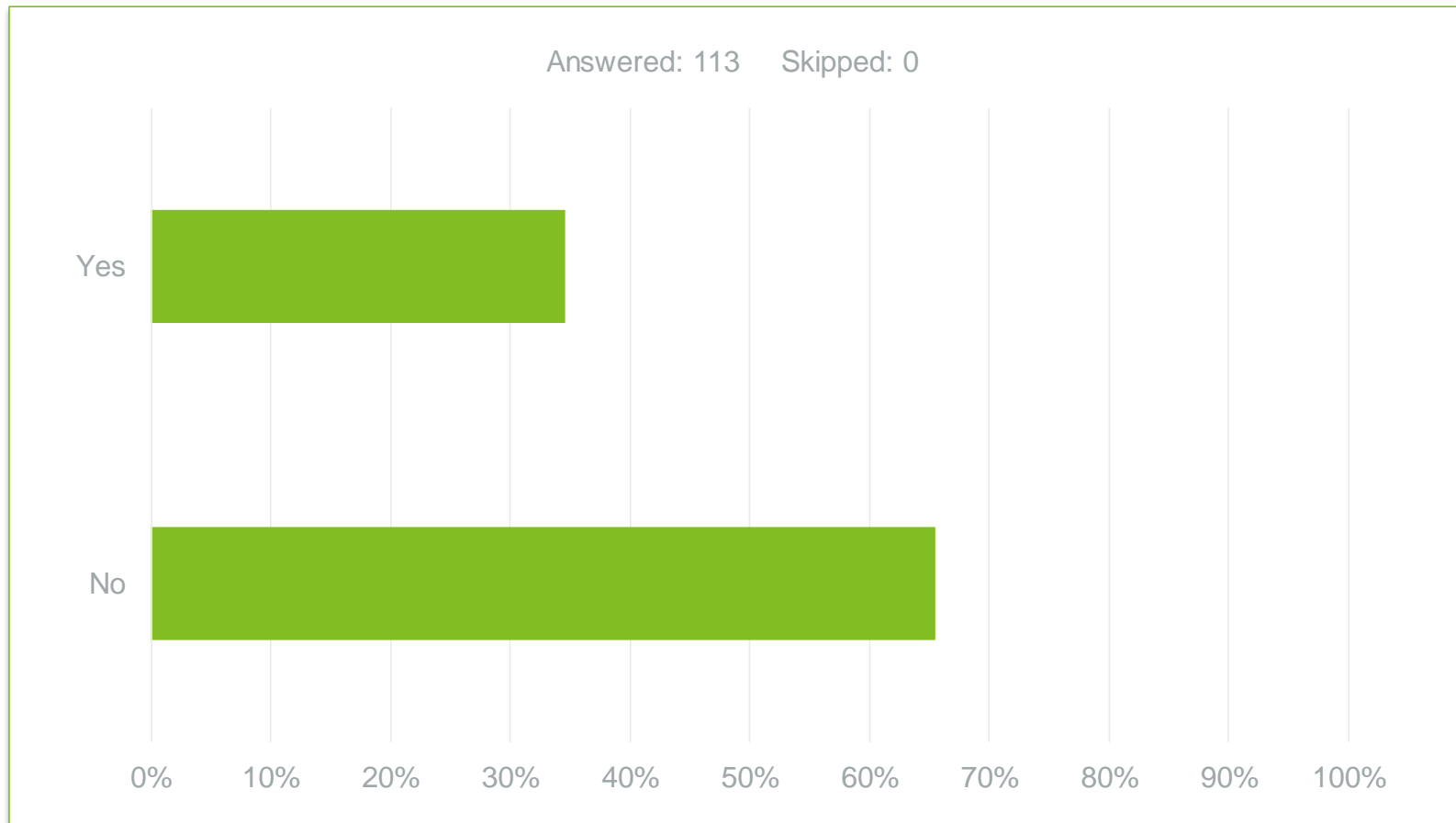
- Have you observed either on street or on property flooding during rainfall events along Parkhill Main Street?





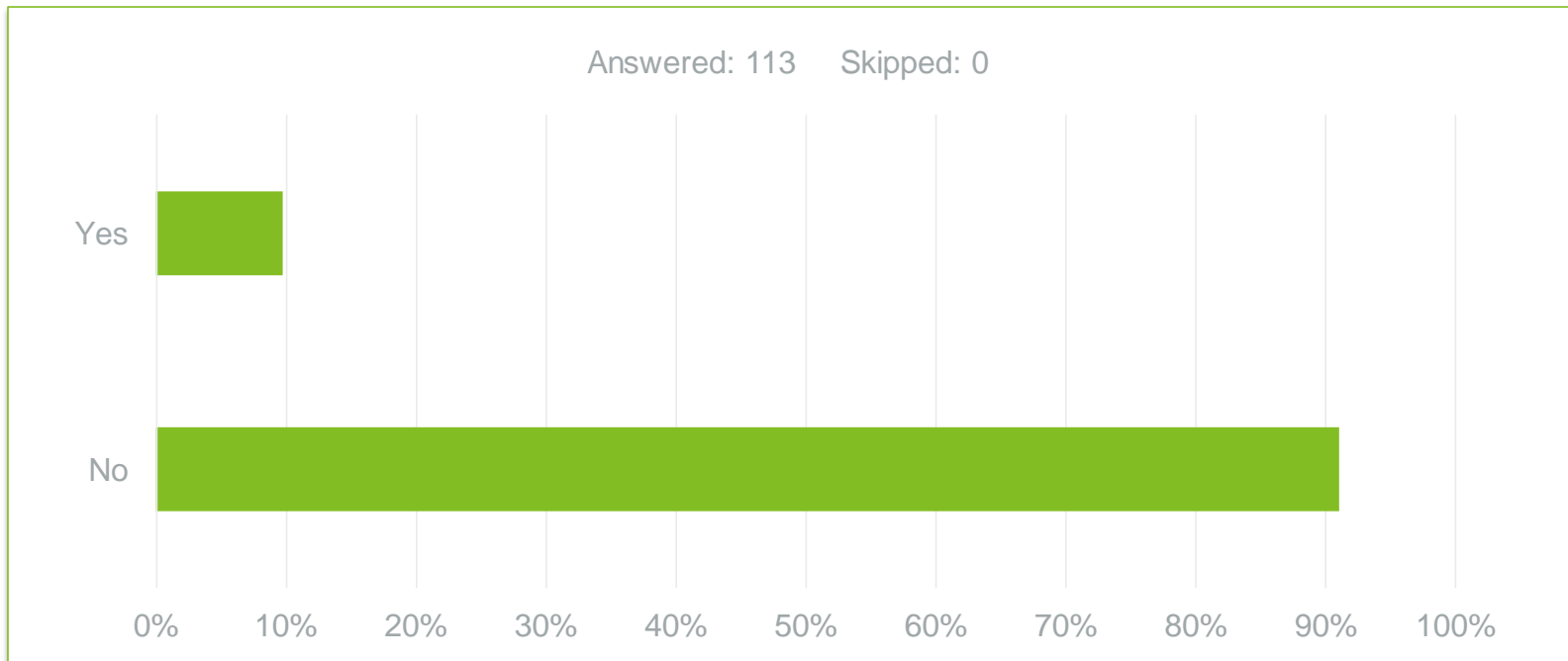
# Question 7

- Have you observed any areas along Parkhill Main Street that have any accessibility concerns?



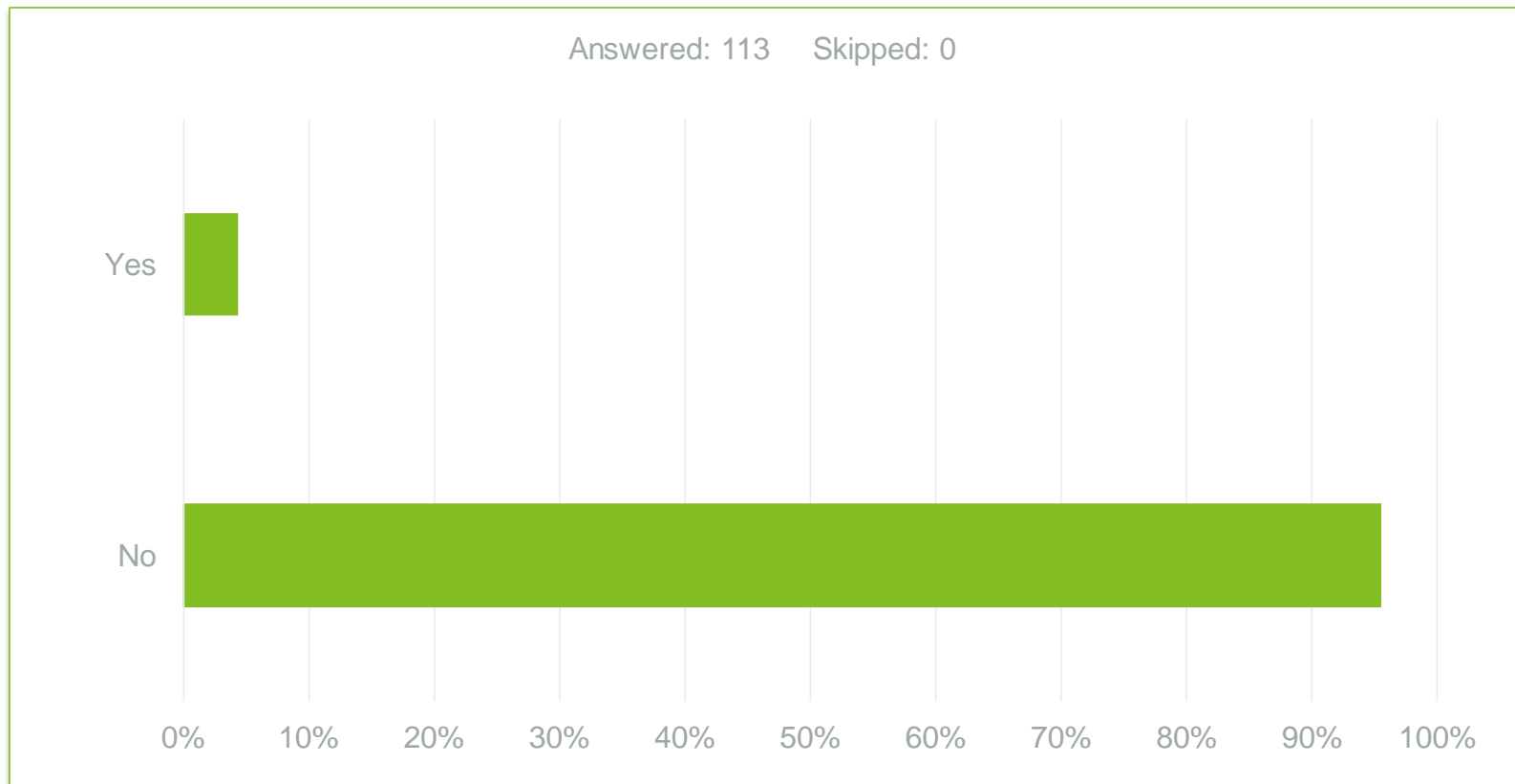
# Question 8

- Do you have any specific needs that should be taken into special consideration of which may be impacted by construction activities?
- Construction activities will cause noise, dust, vibration, and may impact driveway access at times.



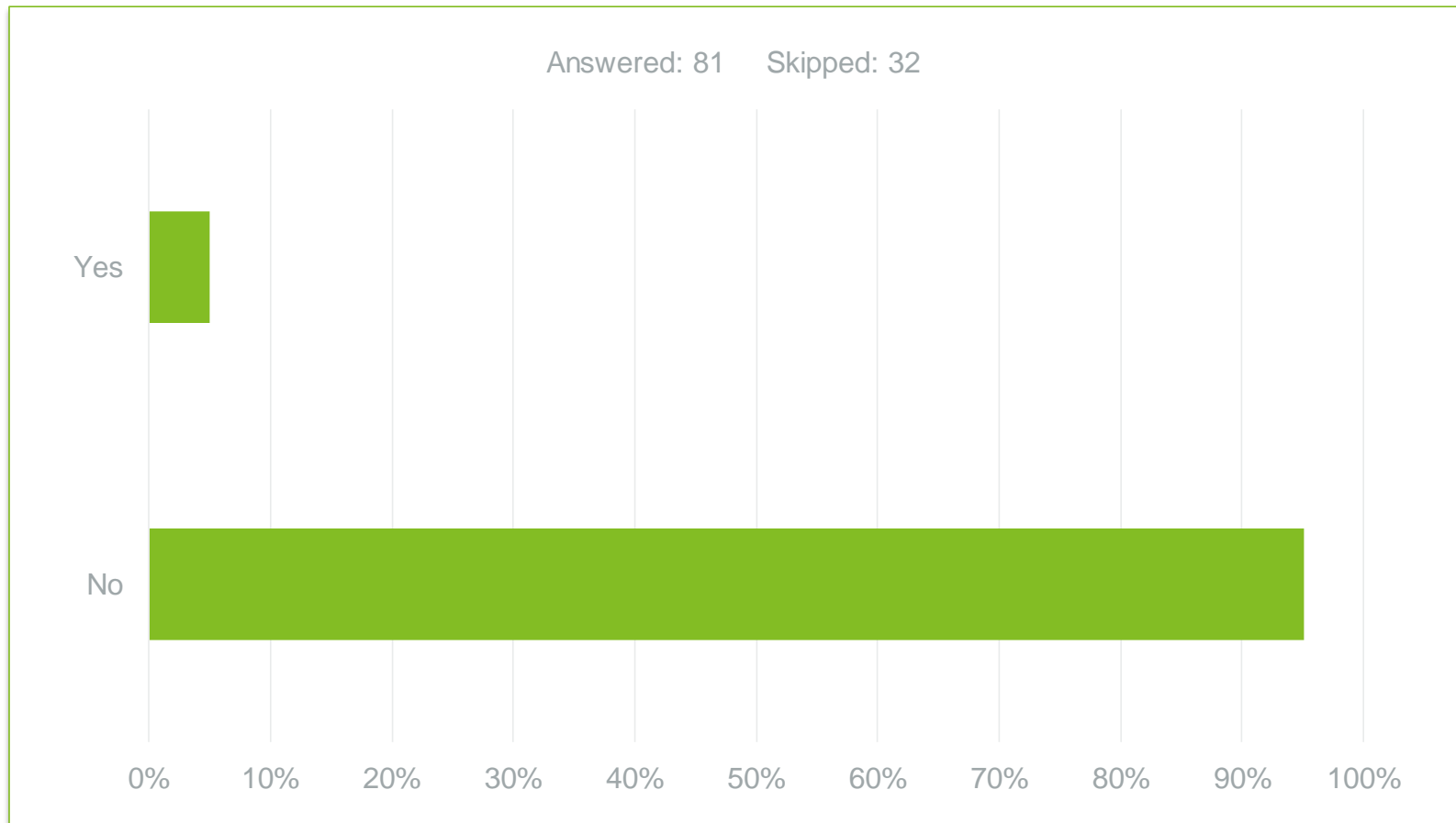
# Question 9

- Are you aware of any trees in the vicinity of the work that are in poor health or quality or which should be removed for any other reason?



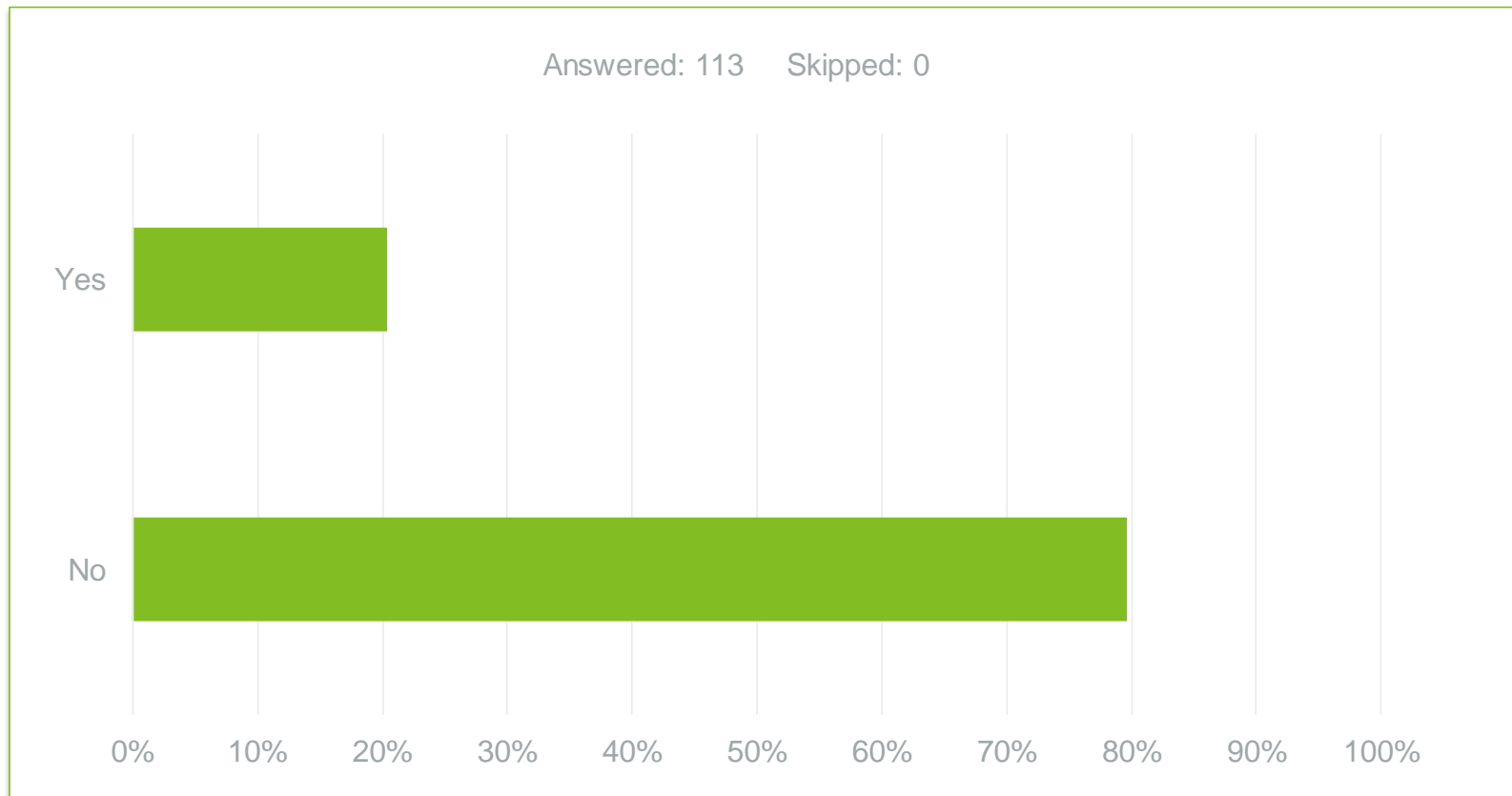
# Question 10

- Do you have a driveway that abuts Parkhill Main Street? Is the access to your driveway unsatisfactory?



# Question 11

- Vehicle access will be limited on Parkhill Main Street at times during construction. Do you have a need for vehicle access for business delivery and/or other purposes on a daily basis?



# Closing

- The Municipality intends to finalize the design of this Project over the next couple of months and, subject to budget limitations, will proceed to construction in the summer of 2022.
- Staff from the Municipality and the Consultant Engineer are available to discuss any questions or concerns that you may have related to the construction of this Project.
- Thanks you for attending tonight's Information Center, and we look forward to receiving any input you provide.



Name, Title

[email@cima.ca](mailto:email@cima.ca)

**T** 000 000-0000, 0000 **C** 000 000-0000

0000 Street, Suite 000, Town, Province X0X X0X