

2024 Standard Tender Documents for Unit Price Contracts

Information Session

March 28th, 2024



Opening Remarks

- Welcome
- Standards Unit Team Introductions
- Presenters: Harry Alvey, Sandra Majkic, and Everett Paulin

Agenda

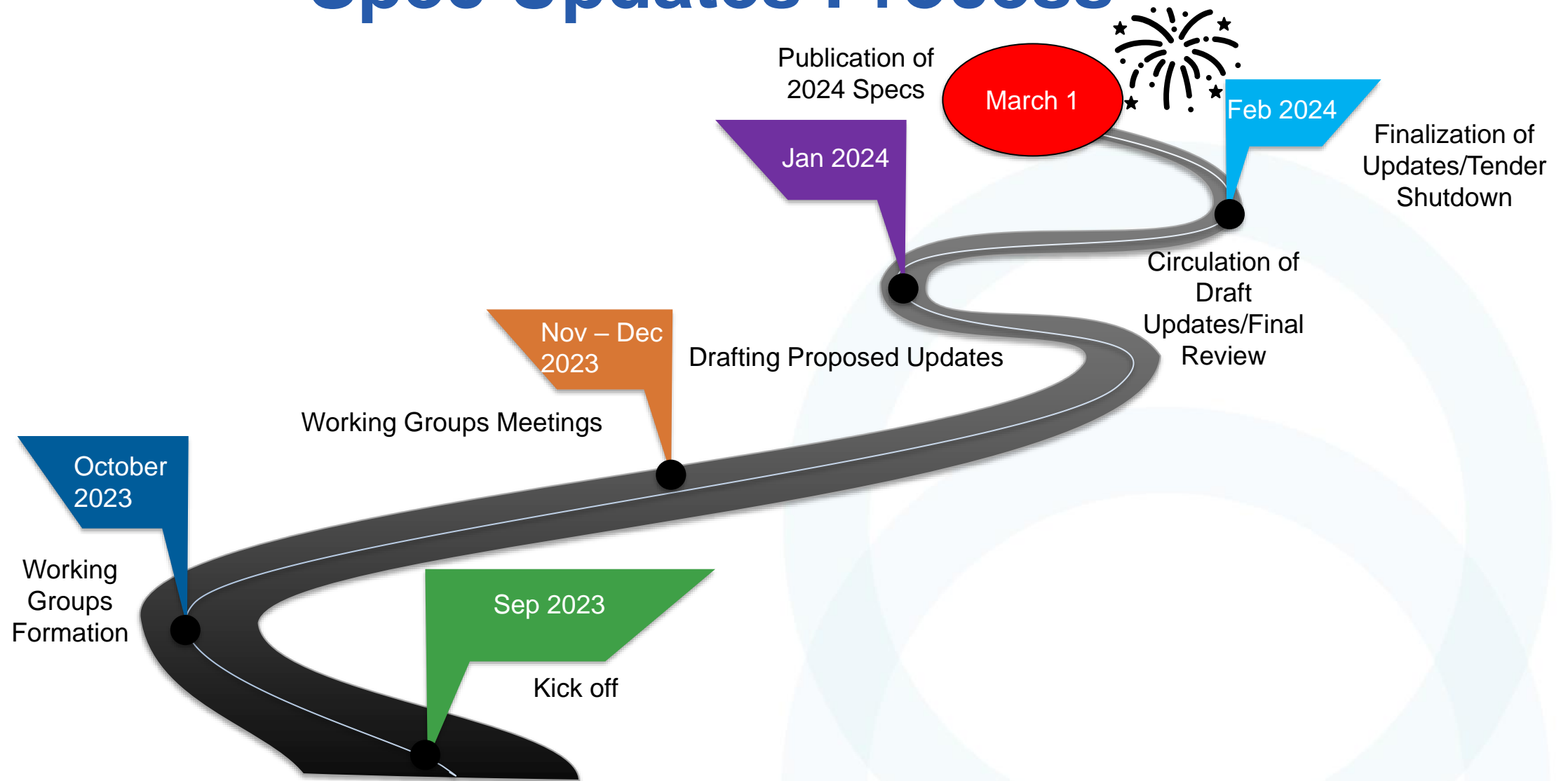
1. Spec Updates Process
2. Summary of Changes
3. Key Messages
4. Work in Progress and Future Work
5. Questions

Our partners



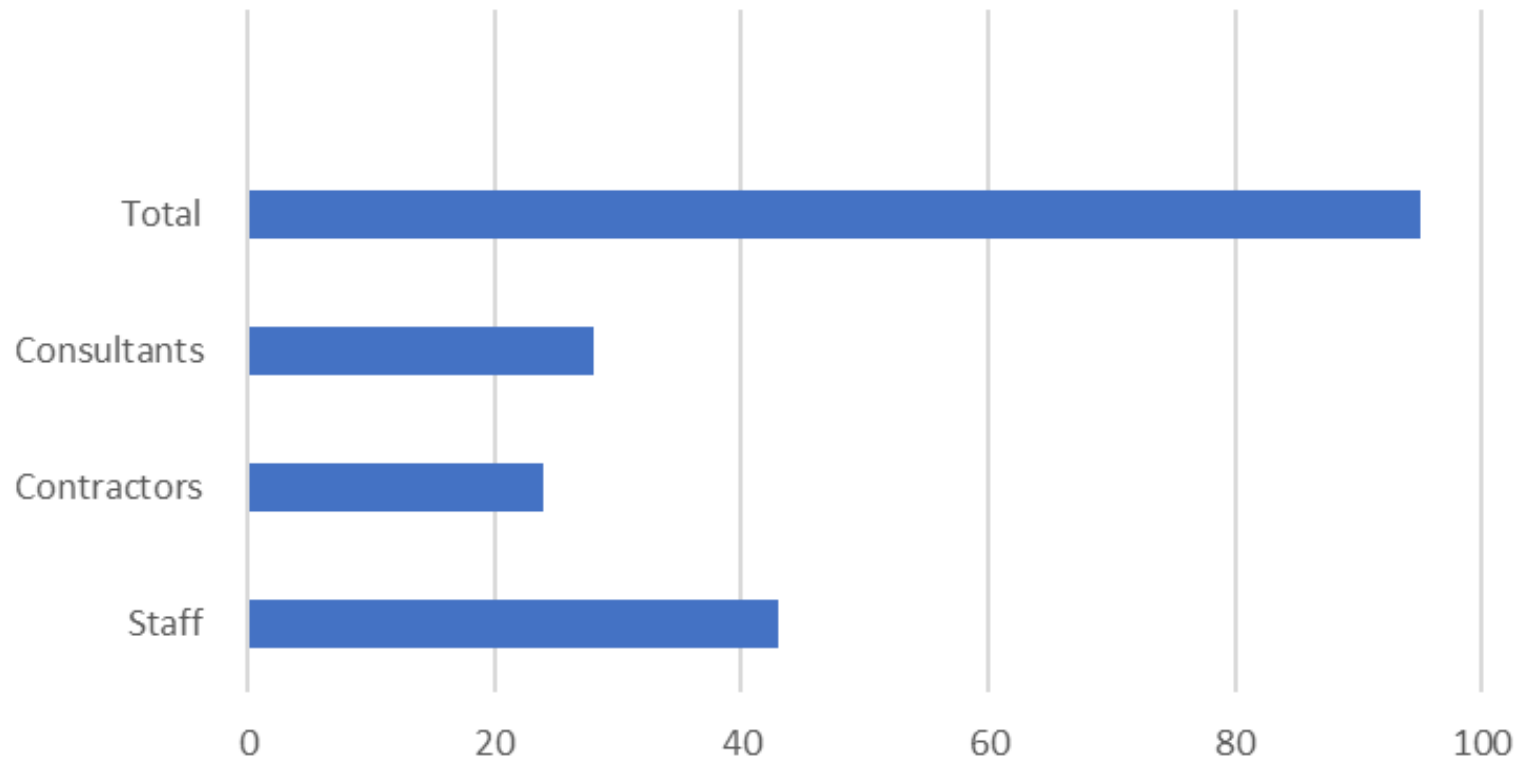
Thank you!

Spec Updates Process

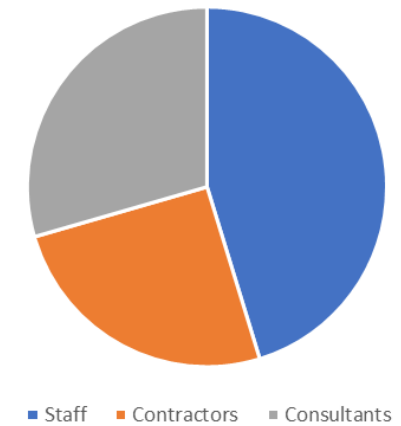


2024 Spec Updates Committee

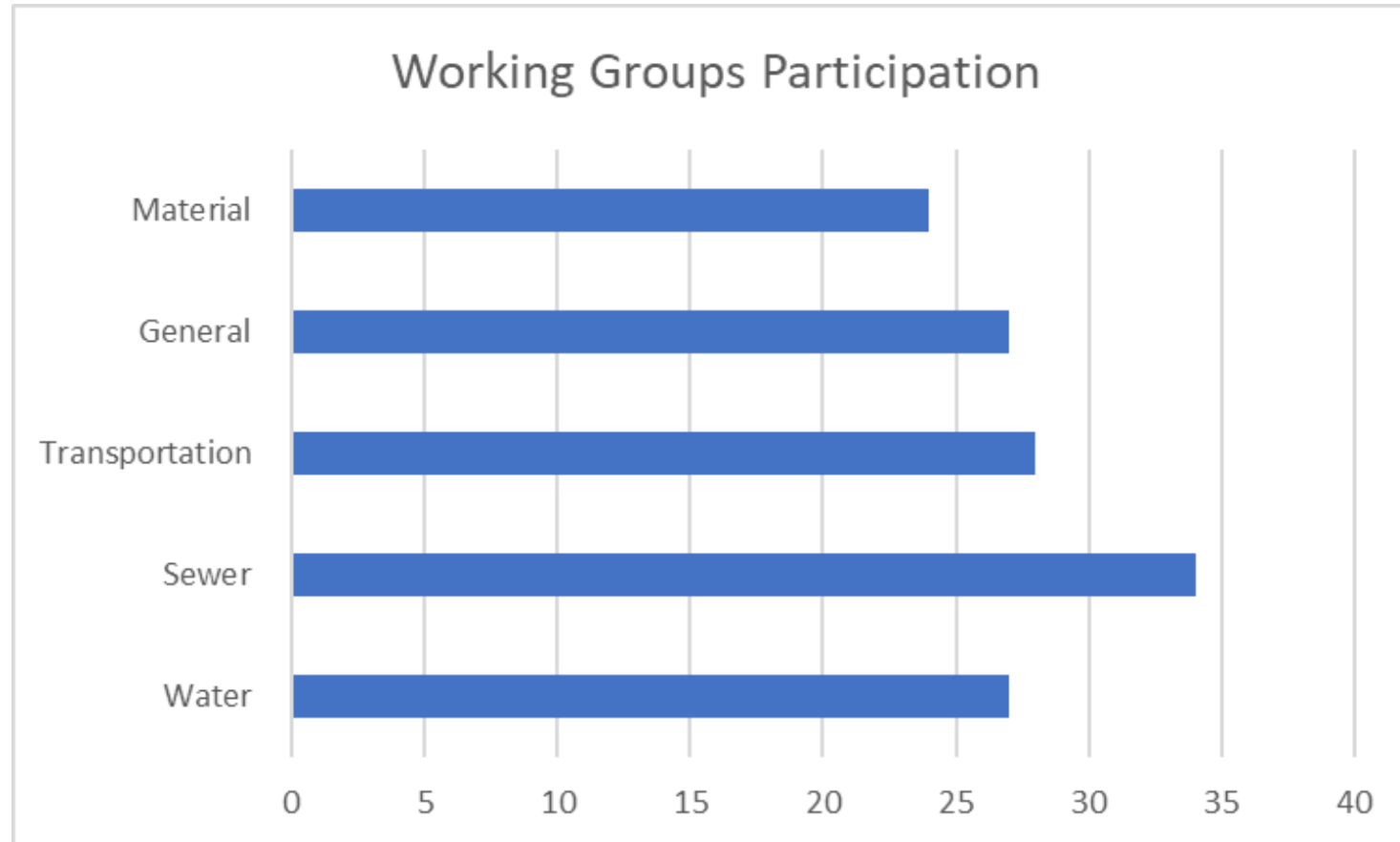
Spec Updates Subcommittee Participation



Committee Membership



2024 Spec Updates Committee



OPS and Master Item Listing Updates

OPS Updates (Section E)

- Listing included revisions from Apr 2023 and Nov 2023
- Minor changes required
- November 2023: OPSS 309, 314, 403,409,415, 416, 443, 444,445,722,734 (NEW), 920,941,1202,1203,1350,1430,2501, 2503.

City of Ottawa Master Item Listing (Introduction)

- Unit price updates for labour (U010.01 and U010.02) and equipment (U020.01-U020.28) standard items
- Reference to F-8026 for U020.26 and U020.27 items
- Removed item T060.39

General Working Group

D-008 Priority of Work and Operational Constraints

- Clarification to process for notification of weekend work, include excess soils management team as well.

F24 Railing Height

- Revised to 1.37 m where adjacent to cycling facilities.

F1 Railing Application

- Not to be used adjacent to fall hazards.

Coating Requirements for Galvanized Railings

- Requirements harmonized, Road Authority reference for top coating systems.

General Working Group

R27 & R28 Rural Road Cross-sections

- The grades for the pavement surface have been revised to a minimum of 2%.
- The ditch side slopes have been revised to indicate maximum grade of 1:3.

Fence Requirements for MUPs and Walkways

- The standard details SC19 through SC19.3 have been revised to indicate fencing is to be placed 150 mm from property line on the private side.

F-8021 Topsoil Organic Content

- Content requirements updates to align with OPS (7-11% by weight).

D-033 Release of CADD Files for Layout

- Title change, CAD files to be provided with hardcopy files, datums to be identified on drawings.

General Working Group

F-1002 Fuel Price Adjustment

- F-1002 has been revised to clarify the calculation and which MTO index value to use.
- The form OTT-F1002-01 has been updated – it will automatically calculate values and indicate who the credit is in favour of.

Ottawa		Contractor Submission Form OTT-F1002-01 Fuel Price Index Calculation Sheet For use with SP F-1002	
Contract Number			
Contract Description			
Tender Closing Date			
Progress Payment Request Date			
Progress Payment Value	(MPA)		\$850,000.00
Fuel Price Buffer	(FPB)	15%	
Estimated Fuel Cost	(EFC)	7%	
FCA at Tender Close Date	(FCT)		153.60
FCA at Request Date	(FCP)		126.00
Adjustment	(PCF)		-27.60
Cost Adjustment	(MFA)		\$1,766.41
Payment Adjustment or Credit:			Credit for the City

Water Working Group

Material Requirements for 50 mm Services

- PEX is now allowed for rehab and replacement work.

F-4930 Temporary Potable Water Supply Services

- Where quality testing fails multiple times, the contractor may be required to supply new materials.

F-4492 Thrust Restraint of Watermains and Fittings

- Thrust blocks not to be backfilled for 24 hours, not to be placed into service for 5 days.

F-4491 Hydrant Testing

- Clarification to hydrant testing requirements, this testing must be done separately to the watermain hydrostatic test.

Materials Working Group

Tack Coat Sampling

- New form OTT-F-3130-08.
- Testing required for each 5000 tonnes, or part thereof.
- Acceptance criteria in table 13 clarified.

Asphalt Placement Temperatures F-3130

- Placement temperatures updated to align with MTO requirements.

Cold Weather Compaction Requirements

- No changes as a result of discussions as part of the 2024 spec update.

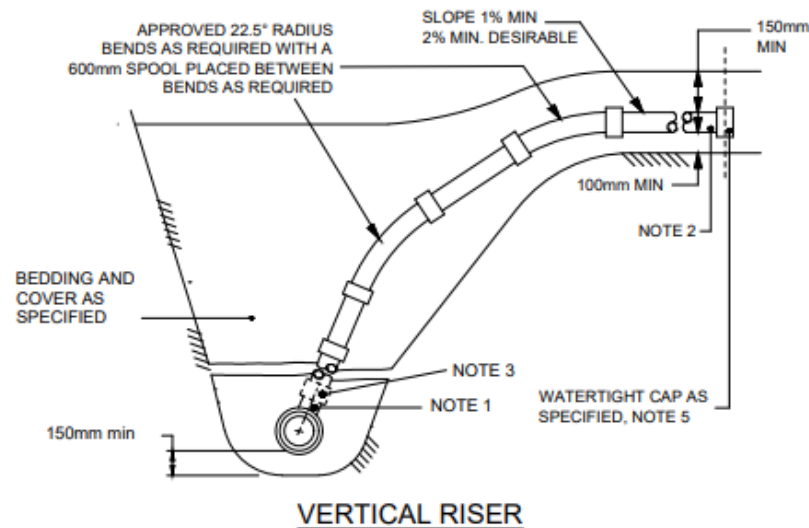
Sewer Working Group

Rear Yard Drainage - S30 and S31

- Further work with Development Review and Legal needed to resolve how rear and side yards are to be drained.

Service Connections to PVC Sewers

- Details S11, and S11.1 updated to align with existing F-4100 requirements.



Sewer Working Group

Review of F4080 Options

- F-4080 was revised regarding option warrants:
 - Option 1 is to be used during new installations for new subdivisions.
 - Option 2 is for use only by City staff.

Large Chamber Inspection - F-4090

- On development projects, requirements were clarified to require that chamber walls, ladder rungs, and any instrumentation need to be visible in the CCTV.

Sewer Pipe QC Review

- Work continues through 2024, proposed changes to the spec will be part of the 2025 spec update process.

Sewer Working Group

F-1007 Sewer Flow Management

- Spec revised for clarity.
- Backup pumping capacity to be equivalent to the primary pumping capacity.

Transportation Working Group

Speed Cushions (NEW R19.2)

- Guidance provided in TAC and City's *Traffic Calming Guide* as well as *Local Residential Streets 30km/h Design Toolbox*
- R19.2
 - Flat top
 - Number of cushions varies
 - 1.8m width on travel lane
 - 80mm – 95mm height
 - Existing pavement conditions to be considered



Asphalt Pathways (SC20, SC21)

- SC21 for asphalt pathways/service access;
- SC20 only for asphalt maintenance strips; minor revisions to depth requirements.

Transportation Working Group

Removable Bollard (F11)

Requirement for retroreflective tape

Bicycle Racks (SF6, SF7)

Minor updates for Ring Hanger bike rack detail

Temporary Foundation (T20)

Clarification for foundation construction requirements

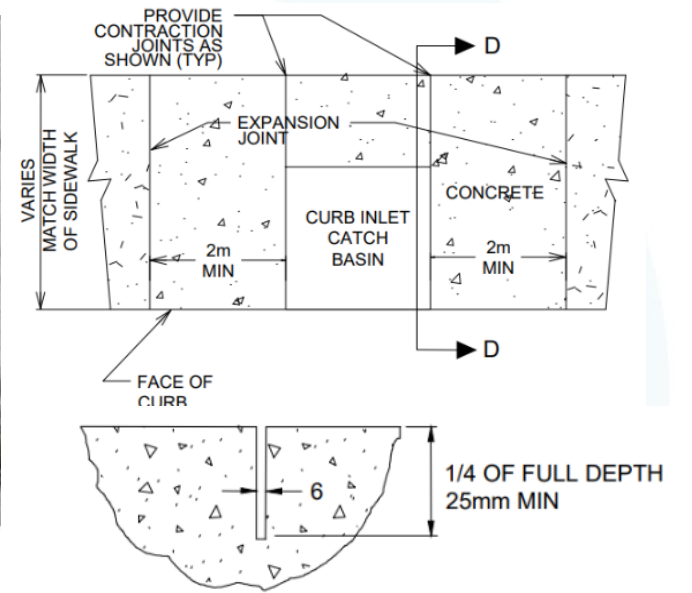
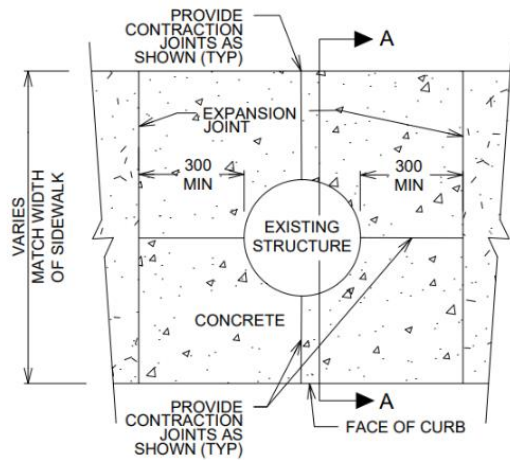
Control of Vehicular and Pedestrian Traffic (D-005)

Section 2.7- clarification for requirements where modifications to signal display or signal hardware may be required; files to be georeferenced; signing traffic signal installation coordination form no longer required.

Transportation Working Group

Sidewalk Joint Construction (SC5, SC14)

- Sidewalk joint placement has been revised on SC5 and SC14 try and alleviate unwanted shrinkage cracking
- Forming of joints in the sidewalk is to be by use of a Green Saw or by Hand forming. Beveled edges at top of concrete joints are no longer required.

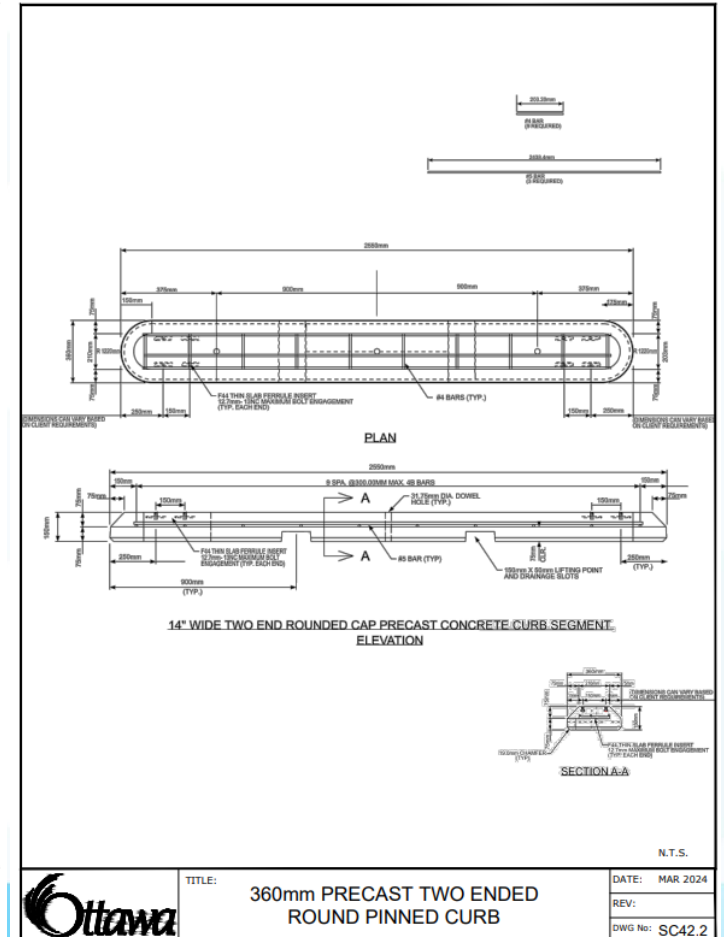
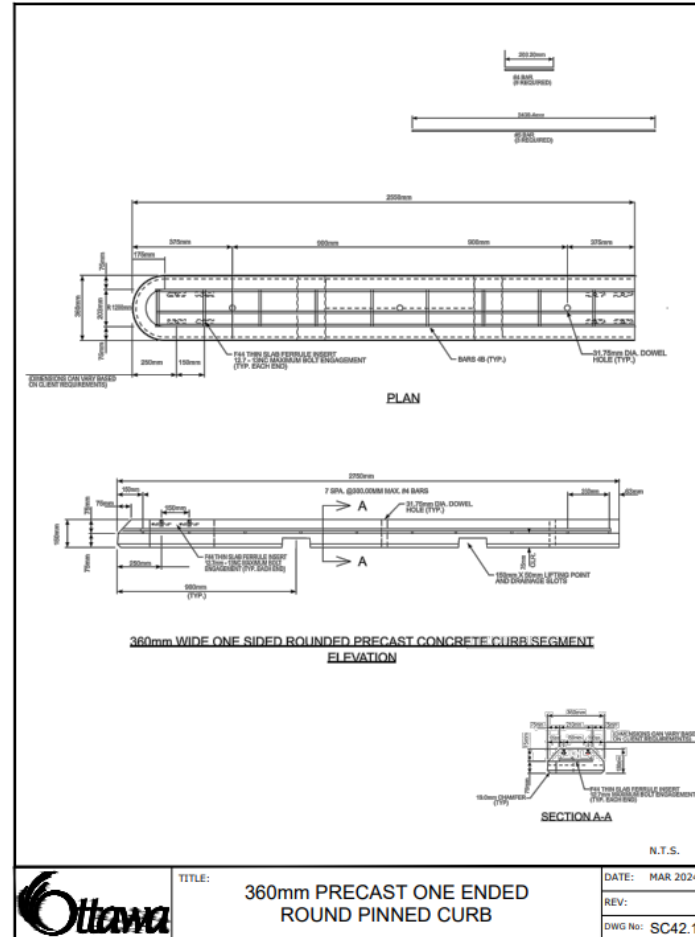
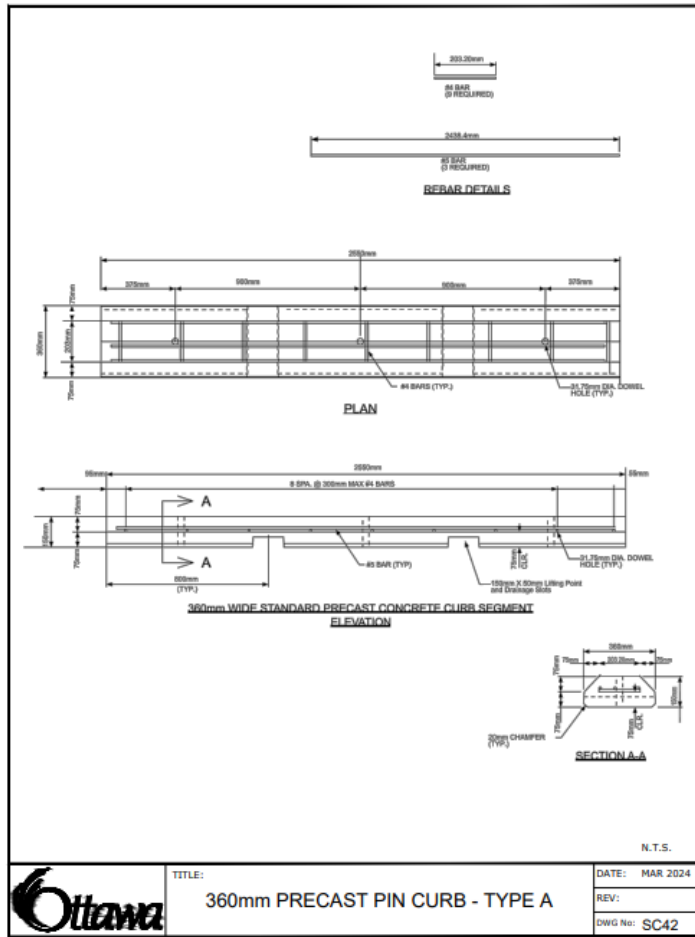


JOINT PROFILE

Transportation Working Group

Pin Curbs for Bike Lane Separation (NEW SC42, SC42.1, SC42.2)

- New pin curbs for cycle and vehicle lane separation





KEY MESSAGES

Access to Specs

Current access – SharePoint

Contact: StandardsSection@ottawa.ca

ES External - Standards & Guidelines - City of Ottawa Private group ☆ Not following 3 members

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Published 4/21/2022 Edit

CITY OF OTTAWA STANDARDS & GUIDELINES
Check out the 2022 Specs!

For any questions and general inquiries, please contact StandardsSection@ottawa.ca

Reference Material

- City of Ottawa Water Design Guidelines
- City of Ottawa Sewer Design Guidelines
- City of Ottawa Accessibility Design...
- Road Authority Standards
- Ontario Provincial Standards

You still access City Guidelines here.

Access to Specs



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Tender Documents

>	File Name	Year	Active
>		Year : 2011 (1)	
>		Year : 2012 (1)	
>		Year : 2013 (1)	
>		Year : 2014 (2)	
>		Year : 2019 (5)	
>		Year : 2020 (1)	
>		Year : 2021 (6)	
>		Year : 2022 (8)	
>		Year : 2023 (8)	
>		Year : 2024 (6)	




Deviation Process

- Existing process remains in place, based on directive and Water Design Guidelines/Sewer Design Guidelines.
- Where an alternative method, technology or product is proposed, Director level sign off is required.
- Proponent to work with City PM (Infrastructure Services or Development Review), who will contact the Standards Unit.
- A report signed and sealed by Ontario P.Eng. is required detailing proposal, location, and long-term impacts.
- Once a complete application is received the initial review will be approximately 2 week.
- Following circulation, the Standards Unit will seek approval from the Director.
- Decisions are made without precedent and do not cover subsequent requests.
- Recurring issues may be referred to spec updates for further discussion.
- Future revisions to the process are being considered, especially regarding ROW cross sections.

Tender Preparation

- Process detailed in Tender Outline (Section A_B)
- Check the current version of the Standard Tender Documents is used/dates on specifications important
- Check NSSP library
- Review your package in detail before sending
- Clearly mark changes required to finalize tender
- Funding confirmation
- PM's required to prepare addendums

<p>City of Ottawa Supply Services 100 Constellation Drive 4th Floor, West Tower Ottawa, Ontario K2G 6J8 Fax: (613) 560-2126 Telephone: (613) 580-2424</p>		<p>Services de l'approvisionnement 100, promenade Constellation 4e étage, tour Ouest Ottawa, Ontario K2G 6J8 Fax: (613) 560-2126 Téléphone: (613) 580-2424</p>
ADDENDUM No.1		
CPXXXXX- Project Title		
Date:		
<p>The Following modifications and clarifications are to be made and taken into consideration for the above referenced project and shall become a part of any resulting contract.</p>		
Instructions:		
Clarification:		
Questions & Answers:		
<p>For further information, please contact XXXX, Procurement Officer, Supply Services</p>		
End of Addendum #1		

Work in Progress

- Rumble strips application guidance and standards (amendments to OPSS/OPSD as required)
- Sidewalk at vehicle access



Pedestrian Facilities Design Guidelines

Scope:

- Update (Interim) *Sidewalk Technical Design Guide* (2005)
- Incorporate other relevant existing guidelines; expand to MUPs, ped crossings
- Accessibility requirements
- Review of relevant standards as required

Project Update

- Task 1: Sidewalk at vehicle accesses guidance and standards
- Task 2: New guidelines and updated relevant detail drawings
- Guidelines publication and spec updates Q1 2025.

<u>Sidewalk Technical Design Guidelines</u>	
<u>Index</u>	
	Page
Introduction	1
History	1
Location	2
Alignment	3
Width	4
Accessibility for Various Sidewalk Users	4
Dimensions for People Outdoors	5
Gradient	6
Drainage	6
Surfaces & Construction	7
<u>Appendices</u>	
SC2	Monolithic Concrete Curb and Sidewalk
SC3	Concrete Curb and Gutter with Sidewalk
SC4	Typical Concrete Sidewalk in Boulevard
SC5	Sidewalk Construction Joints
SC6	Pedestrian Curb Ramp Without Boulevard
SC7	Pedestrian Curb Ramp With Boulevard
SC8	Vehicle Access Crossing
SW1	Considerations in Sidewalk Design
SW2	Boulevard Drainage
SC103	Sidewalk Detail at Entrances without Boulevard
SC104	Sidewalk Detail at Entrances with Boulevard
R3	Concrete Interlocking Paving Stones & Street Crossings

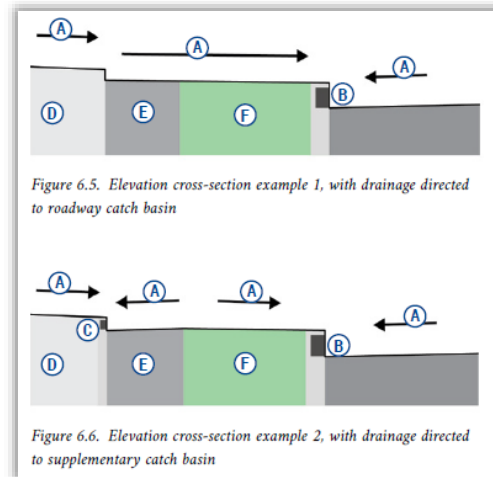
Accessibility During Construction

- Accessibility requirements F-1013
- **Construction Site Pedestrian Control Plan** –safe and accessible path of travel through and/or at construction site at all times
- Accessibility assessments to ramp up this construction season



Work in Progress

- Drainage products for cycling facilities sloping towards an adjacent sidewalk



- Facilities support
- Retaining wall guidelines
- Sewer Design Guidelines update internal and external review periods
- FUS method application

Future Work

- Work to update the City of Ottawa *Accessibility Design Standards* to commence later this year – this will be a multi-year project.



Quality Assurance

- Going forward, EXP will be the primary materials testing lab for the City.
- Paterson will be providing conflict testing services.

QUESTIONS?

Thank you for your attendance and participation in the 2024 spec updates process.

We look forward to working with you as part of the 2025 spec updates!

Standardssection@ottawa.ca