



## Transportation and Environmental Services Committee Agenda

Thursday, March 22, 2018  
Council Chambers  
County Administration Centre, Walkerton

### 1. Declaration of Pecuniary Interest

### 2. Action Items

- A. Chesley Bridge (attached)
- B. Old Reid Bridge, Reid Bridge, Stoney Creek and Starks Bridge Pre-Engineering (attached)
- C. 2018 Ontario Community Infrastructure Fund (OCIF) Application Funding and Budget Transfer (attached)
- D. Budget Transfer, Bruce Roads 3 and 17 Intersection Improvements (attached)
- E. Capital, Bruce Road 12, Formosa (attached)
- F. Park Street Stormwater Management Easement Agreement with the Municipality of Brockton (attached)
- G. Park Street Stormwater Management Agreement to Construct a Storm Sewer Outfall (attached)
- H. Community Safety Zone, Bruce Road 15, Tiverton (attached)
- I. Extension of 2015 Pavement Marking to 2018 (attached)
- J. Armow Wind Project Road Repair Compensation, Bruce Road 15 (attached)

### 3. Information Items

- A. Warton Shop Update, Jenny Street (attached)
- B. 2018 Bridge & Flooding Incident (attached)
- C. Reorganization of the Transportation & Environmental Services Department (attached)

#### 4. Next Meeting

April 19, 2018

The April Committee Meeting will be held at the **Wiarion & District Community Centre, 526 Taylor Street, Wiarion, Ontario** from 9:30 a.m. to 11:30 a.m. Following the Committee meeting, Members of Council will travel to the Lion's Head Rotary Hall to join the Bruce County Public Works Associations members for lunch at noon and are invited to participate in their afternoon program.

#### 5. Adjournment



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Chesley Bridge

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### Recommendation:

**That in recognition of the emergency to replace the Chesley Bridge, Sections 4.3, 5.1 and 5.2 of the Purchasing Policy be waived and Section 5.7 related to emergencies be instituted.**

### Background:

The Department acknowledged the closure of the Chesley Main Street bridge in the March 1, 2018 Committee report entitled 'Recent Flooding Event and Bruce County Roads and Bridges'. The report announced that a Public Information Meeting (PIM) was scheduled for March 8, 2018 in Chesley.

Warden Eagleson chaired the PIM which attracted approximately 200 residents and local business owners. Presentations were made by the staff of Consultants, BM Ross, which consisted of the following:

- Recent Flood Event
- Chesley Bridge History
- Current Bridge Status
- Investigations Completed to Date
- Regulator Requirements
- Bridge Alternatives
- Pedestrian and Vehicular Options
- Tentative Timeline
- Next Steps

The Existing Bridge investigation indicated that the bridge had been scheduled for replacement for a variety of reasons; past construction practices and materials, aged conditions, and higher vehicle weights. The investigation concluded that the existing bridge be replaced.



The PIM presentation included the attached proposal:

- Proposed Cross-Section and Elevation
- Proposed Plan View
- Proposed Road Construction
- Probable Construction Costs
- Project Timelines

Following the presentation, the community posed a number of questions which included:

- Interim Measures
- Support Business Community

Arran/Elderslie responded to the interim measures comments by engaging Saugeen Mobility and Regional Transit to shuttle pedestrians around the bridge site. We understand that the shuttle will start on Friday March 16, 2018 and that the Municipality has posted notices in a variety of manners.

The Consultant anticipates moving ahead quickly with studies, contact with indigenous communities, agencies and design with an expectation to obtain quotes/tender for the following:

- Removal of the Bridge and Adjacent Retaining Walls,
- For the Supply of the Primary Structural Members, and
- For the General Contract to Construct the New Bridge.

The Consultant and Department are developing a work plan for the demolition for the existing Bridge. This plan is complicated with the condition of the bridge and the requirements of approval agencies.

Under the CETA/CFTA timing guidelines this is considered a state of urgency therefore falling under an exception to the rules.

#### **Financial/Staffing/Legal/IT Considerations:**

The Department continues to discuss the method of financing this replacement. The Department intends to present a financing proposal at the April Committee meeting. While this project has added extra requirements on staff there is no present need to add staff. There are no legal and IT considerations associated with this report.

#### **Interdepartmental Consultation:**

The Purchasing Division has been consulted.



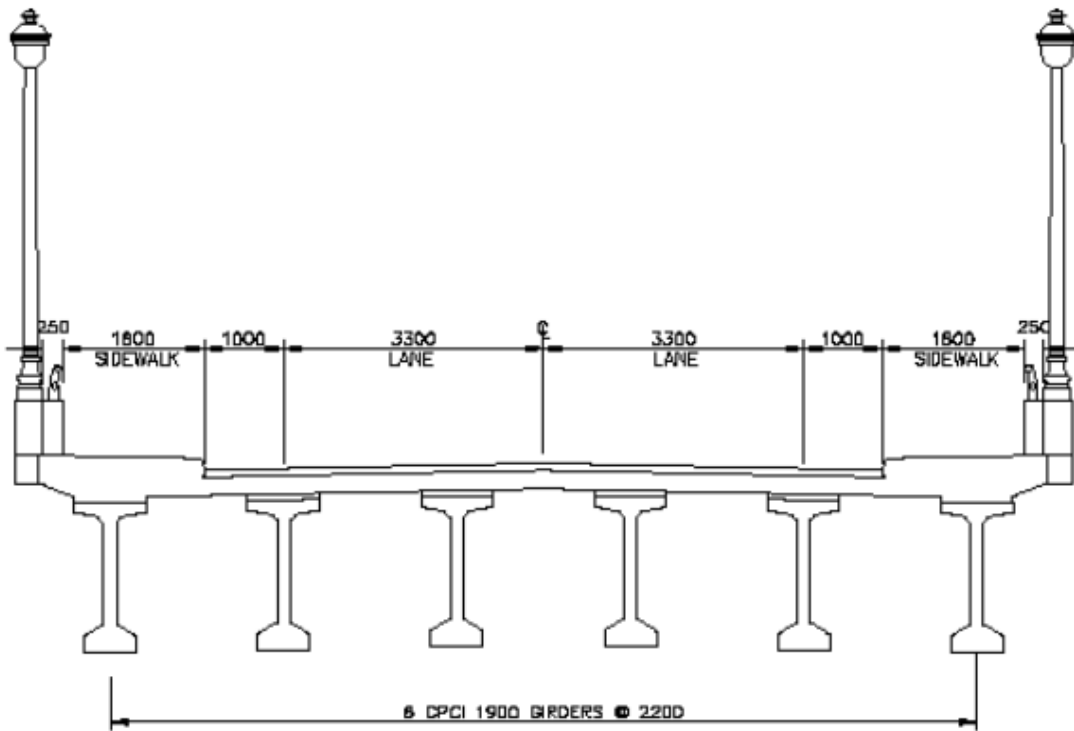
**BRUCE**  
county

Link to Strategic Goals and Elements:

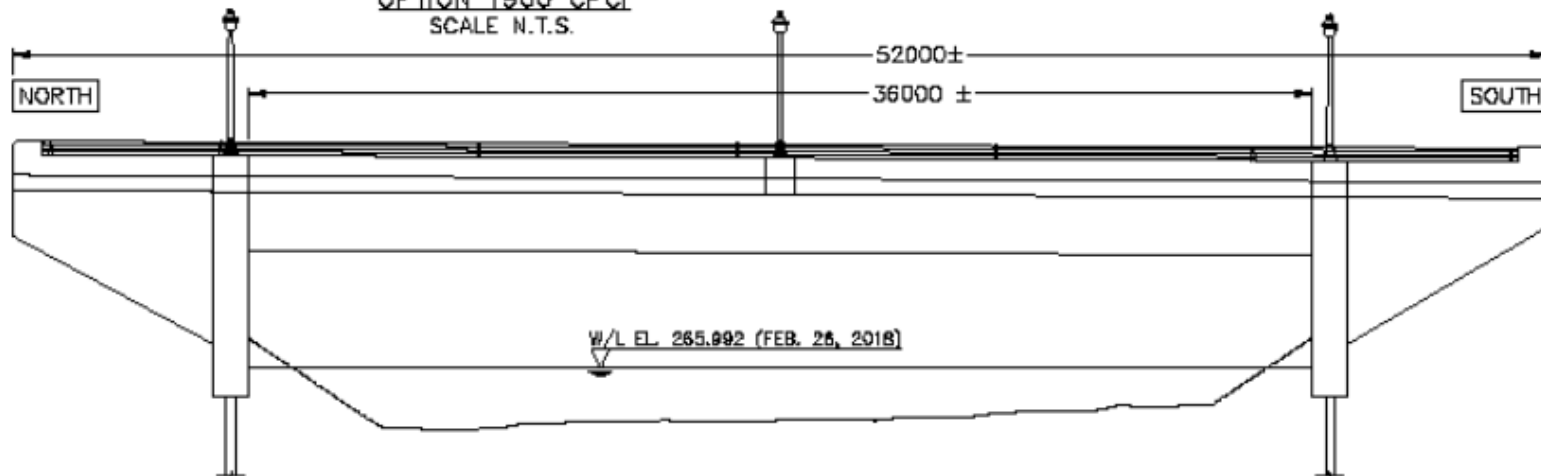
None Identified.

Approved by:

Kelley Coulter  
Chief Administrative Officer



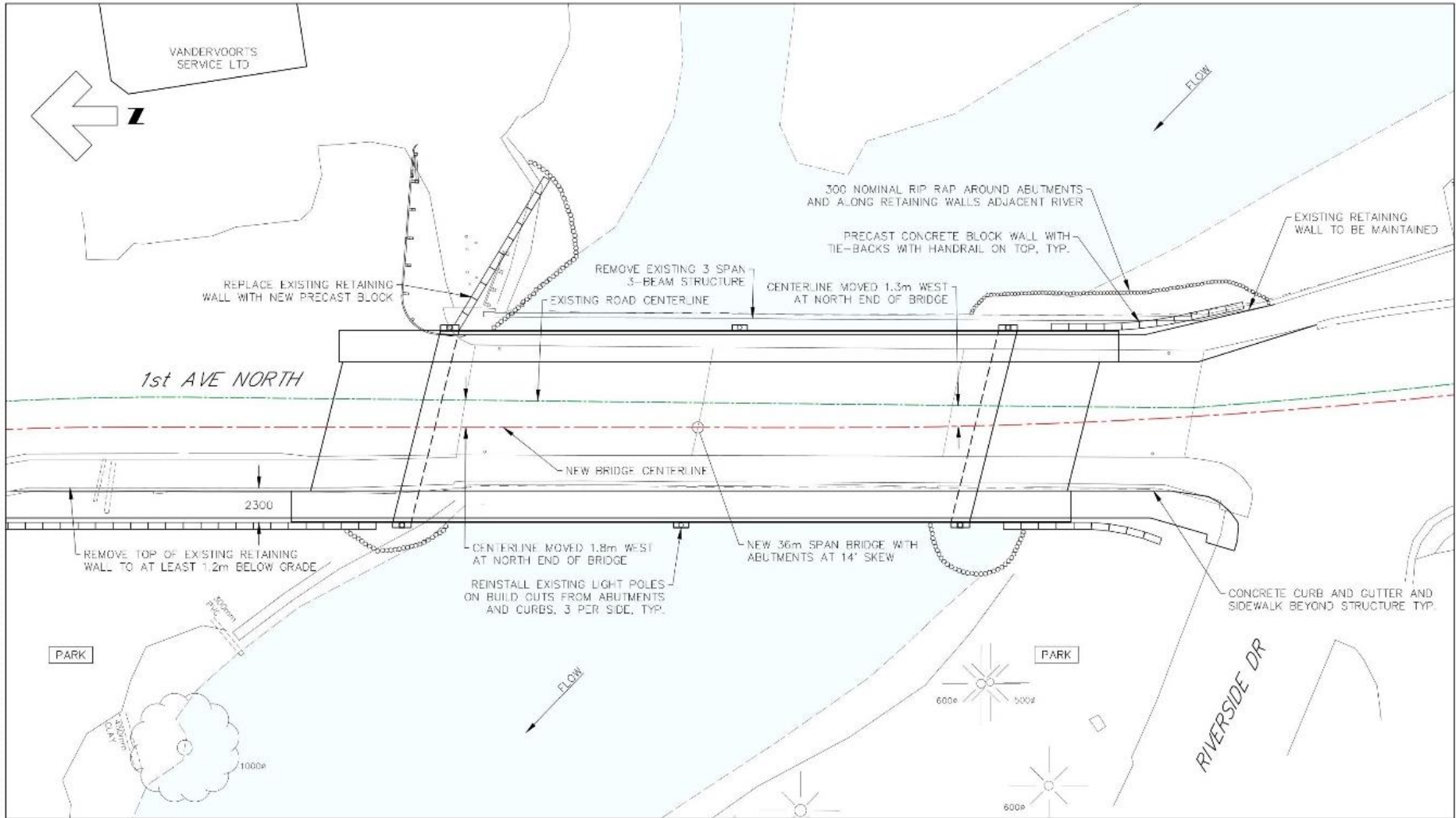
DECK SECTION  
 OPTION 1900 CPCI  
 SCALE N.T.S.



WEST ELEVATION

# Proposed Bridge

# Plan View



# Proposed Road Reconstruction



# Probable Construction Costs

- Total Probable Cost \$3,200,000
- Above total is for a Precast Concrete I-Girder type of structure including the retaining walls at each corner, removal of the existing bridge, Engineering, Approvals and 15% contingency, but excludes HST.

# Project Timelines

- **February 21, 2018** – Central pier fails
- **February 23, 2018** – Bridge closed to pedestrian and vehicular traffic
- **February 23- March 2** – Topographic Survey Completed, Hydrology analysis initiated, Initial consultation with Review Agencies and Aboriginal Communities
- **March 1, 2018** – County Council Meeting
- **March 8, 2018** – Public Information Meeting
  - Review bridge options and timelines with public
  - Identify a preferred bridge design to move forward with detailed drawings and approvals

# Project Timelines

- **Mid-April to Mid-May 2018** – Remove existing Bridge
- **March 31** – Complete Heritage Study, Geotechnical Investigation
- **Early April 2018** – Tender for New Girders for September delivery
- **Late April 2018** – Tender for Bridge construction to start Mid-June and be finished early December 2018



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Old Reid Bridge, Reid Bridge, Stoney Creek Culvert and  
Starks Bridge

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### Recommendation:

That \$10,000 for the Old Reid Bridge pre-engineering, \$10,000 for the Reid Bridge pre-engineering, \$10,000 for Stoney Creek Culvert pre-engineering be funded from the Bridge reserve; and,

That the Stark's Mill Bridge 2018 transfer from Reserve be reduced to \$10,000.

### Background:

#### Old Reid Bridge

The Department has jurisdiction over the bridge crossing the Teeswater River on Bruce Road in Lot 20 west of Teeswater. In 1962 the Department realigned Bruce Road 6 and installed a new bridge (Reid Bridge) and the bridge (Old Reid Bridge) on the former alignment was no longer in use. A map locating the bridge sites and pictures of the two bridges is attached.

The Department is undertaking preparatory work in 2018 to remove the Old Reid Bridge in conjunction with the 2019 rehabilitation of the adjacent Reid Bridge. The preparatory work for the Old Reid Bridge is estimated at \$10,000 with the 2019 removal costs being estimated at \$30,000.

#### Reid Bridge

The Department is also working with BM Ross to complete the design work for the rehabilitation of the Reid Bridge in 2018 to allow an adequate timeframe for the County and the Municipality of South Bruce to review this project prior to the proposed 2019 work. The 2018 pre-engineering work is estimated to be \$20,000 and the 2019 rehabilitation work is estimated at \$380,000.



### Stoney Creek Culvert

The Stoney Creek Culvert is on Bruce Road 13 and the Department had initiated work on this project in 2011 by completing a partial design. The culvert replacement is scheduled for 2019, and due to the complexity of the project, the Department requires preparatory work to be completed in 2018, which includes GM BluePlan completing a file review, site visit and determining further engineering, and environmental work. This preparatory work includes contact with Indigenous Communities and approval agencies. The 2018 pre-engineering work is \$10,000 while the 2019 rehabilitation is estimated at \$110,000.

### Starks Bridge

The Department had included the rehabilitation of the Starks Bridge on Bruce Road 1 under the 2018 budget. Taking into consideration the projects outlined above and the Chesley Main Street Bridge reconstruction the Department is delaying this work until 2019, however pre-engineering work will continue in 2018.

### **Financial/Staffing/Legal/IT Considerations:**

The revised bridge report for the above-mentioned bridges and culvert is attached to this report. There are no staffing, legal or IT considerations associated with this report.

### **Interdepartmental Consultation:**

Not applicable.

### **Link to Strategic Goals and Elements:**

None identified.

### **Approved by:**

Kelley Coulter  
Chief Administrative Officer



Looking East



South Elevation





Looking South



West Elevation





Teeswater

872

10

1

881



TRANSPORTATION AND ENVIRONMENTAL SERVICES

BRIDGE AND CULVERT CAPITAL FORECAST  
2018-2022

3/12/2018

Asset ID	Category	Segment	Import ID	Name	Repair, Rehab, Replac	Cost of Improvement	Year of Improvement	Reserve as of Jan 1 of year	Transfer to Reserve	Reserve as of Dec 31 of year	
								\$5,162,845	\$1,755,080	\$402,925	
342	Bridges	Super Structure	150	Mc Curdy Bridge	Replacement	\$3,600,000	2018				
375	Bridges	Super Structure	270	Old Reid Bridge - Sideroad 20 Bridge	Remove Pre-Eng	\$10,000	2019				
617	Bridges	Super Structure	290	Old Shenks Bridge	Repairs	\$30,000	2018				
450	Bridges	Super Structure	60920	Reid Bridge	Rehabilitation Pre-Eng	\$20,000	2019				
588	Bridges	Super Structure	2700550	Arran Township Shed Bridge	Repairs	\$10,000	2018				
1225	Bridges	Culverts	8630320	Lot 69 Concession 1 Huron Cr 86	Struts	\$30,000	2018				
1201	Bridges	Culverts	1211810	Formosa Creek	Repairs	\$50,000	2018				
5709	Bridges	Culverts	1003600	Biemans' Corner Grey Culvert	Replacement	\$350,000	2018				
1203	Bridges	Culverts	130590	Stoney Creek Culvert	Repairs Pre-Eng	\$10,000	2019				
379	Bridges	Super Structure	146280	Starks Bridge	Rehabilitation Pre-Eng	\$10,000	2018				
560	Bridges	Super Structure	1721530	Mill Creek Bridge	Rehabilitate	\$1,800,000	2018				
427	Bridges	Super Structure	428320	Saugeen River Bridge	Repairs	\$120,000	2018				
493	Bridges	Super Structure	1003900	Meax Creek Br	Replacement	\$350,000	2018				
490	Bridges	Guardrail	1007000	Meax Creek Br, Molke	Repairs	\$25,000	2018				
494	Bridges	Guardrail	1016400	South Saugeen River Bridge	Repairs	\$25,000	2018				
506	Bridges	Guardrail	1010450	Deere Creek Bridge	Repairs	\$25,000	2018				
423	Bridges	Super Structure	428500	Brant CNR Overpass	Repairs	\$50,000	2018				
						<b>\$6,515,000</b>					
375	Bridges	Super Structure	270	Old Reid Bridge - Sideroad 20 Bridge	Remove	\$30,000	2019	\$402,925	1958182	\$452,107	
588	Bridges	Super Structure	270050	Arran Township Shed Bridge	Repairs	\$40,000	2019				
450	Bridges	Super Structure	60920	Reid Bridge	Rehabilitation	\$380,000	2019				
1203	Bridges	Culverts	130590	Stoney Creek Culvert	Repairs	\$110,000	2019				
1218	Bridges	Culverts	861170	Lucknow East - Culvert Hwy 86	Repairs	\$5,000	2019				
513	Bridges	Super Structure	103830	John Black Bridge	Repairs	\$280,000	2019				
379	Bridges	Super Structure	146280	Starks Bridge	Rehabilitation	\$170,000	2018				
584	Bridges	Super Structure	230870	Robinson B Line Bridge	Repairs	\$220,000	2019				
534	Bridges	Super Structure	111430	George Grant Bridge	Repairs	\$334,000	2019				
580	Bridges	Super Structure	230680	Blackwell Bridge	Repairs	\$180,000	2019				
419	Bridges	Super Structure	34050	Schenk's Bridge	Repairs	\$160,000	2019				
						<b>\$1,909,000</b>					
1222	Bridges	Culverts	8614900	Lot 73/74 Con 1	Replacement	\$300,000	2020	\$452,107	\$	2,165,345	\$1,757,452
1200	Bridges	Culverts	120300	Steffler Bridge	Replacement	\$440,000	2020				
443	Bridges	Super Structure	605280	Fischer Bridge	Repairs	\$40,000	2020				
439	Bridges	Super Structure	60440	Mckinnon Bridge	Repairs	\$80,000	2020				
						<b>\$860,000</b>					
1223	Bridges	Culverts	8625120	Lot 43/44 Conc 1 Huron	Replacement	\$300,000	2021	\$1,757,452	\$	2,376,652	\$1,104,104
404	Bridges	Super Structure	33240	2nd Dunblane Bridge	Repairs	\$50,000	2021				
1173	Bridges	Culverts	200330	Silver Creek Culvert, Durham Street	Repairs	\$80,000	2021				
591	Bridges	Super Structure	300170	Chelsey Main Street Bridge	Replacement	\$2,600,000	2021				
						<b>\$3,030,000</b>					
1182	Bridges	Culverts	70560	Concession 5, Lot 15 - 16	Repairs	\$140,000	2022	\$1,104,104	\$	2,592,185	\$106,289
1224	Bridges	Culverts	8628200	Boyd's Creek - Lot 58/59 Concession 1	Replacement	\$450,000	2022				

TRANSPORTATION AND ENVIRONMENTAL SERVICES

BRIDGE AND CULVERT CAPITAL FORECAST  
2018-2022

389 Bridges	Super Structure	32320 Teeswater River Bridge	Replacement	\$3,000,000	2022
				<b>\$3,590,000</b>	



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** 2018 Ontario Community Infrastructure Fund (OCIF)  
Application Funding and Budget Transfer

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### Recommendation:

That the \$555,000 budgeted for Bruce Road 3C and \$535,000 budgeted for Bruce Road 3D be transferred to Bruce Roads 1G and 1H for the application of the asphalt top lift.

### Background:

The Department receives a steady source of predictable, long-term formula funding annually from the Ontario Community Infrastructure Fund (OCIF) to assist small, rural and northern communities in the repair and revitalization of roads, bridges and other critical infrastructure. The Provincial government also provides the opportunity to apply for additional funding through an OCIF 'Top Up' or Application Funding program. The Department had applied for the 2018 Ontario Community Infrastructure Fund (OCIF) Top Up funding to assist in the Bruce Road 3 recycle and pave project from Highway 9 to Bruce Road 15, however the Department received correspondence in mid-February indicating that they were unsuccessful in their application. This results in limited funding for the recycling and paving work that the Department could undertake on Bruce Road 3. Therefore, the Department has determined that the funds would be better spent on the completion of the Bruce Road 1 project and would like to move the funding for Bruce Road 3 to the Bruce Road 1 asphalt top lift project. There will be \$20,000 remaining in the Bruce Road 3D budget for some pre-engineering work to be completed at the south end of Paisley.

This is the third year that the County has been unsuccessful in receiving the OCIF 'Top Up' Application based funding, yet the Department is very thankful for monies received through the OCIF formula funding.



**Financial/Staffing/Legal/IT Considerations:**

The \$555,000 budgeted for Bruce Road 3C and \$535,000 budgeted for Bruce Road 3D be transferred to Bruce Road 1G and Bruce Road 1H for the application of the asphalt top lift.

It should be noted that \$419,523 of the \$555,000 to be transferred to Bruce Road 1G is OCIF Formula based funding.

There are no staffing, legal or IT considerations associated with this report.

**Interdepartmental Consultation:**

Not Applicable.

**Link to Strategic Goals and Elements:**

None Identified.

**Approved by:**

A handwritten signature in black ink, appearing to read 'Kelley Coulter', is written over a light blue horizontal line.

Kelley Coulter  
Chief Administrative Officer



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Budget Transfer,  
Bruce Roads 3 and 17 Intersection Improvements

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### Recommendation:

That \$20,000 be transferred from Bruce Road 6EastA to Bruce Road 3J for pre-engineering work at the intersection of Bruce Road 3 and 17.

### Background:

In December 2017, the Department reported that they had received numerous inquiries concerning the intersection of Bruce Roads 3 and 17 in the Hamlet of Burgoyne. The report indicated that the Department would undertake another intersection warrant and configuration review. It is anticipated that the traffic counts and further review will be undertaken when the Mill Creek Bridge on Bruce Road 17 has been completed in mid to late July 2018.

The Department requires approximately \$20,000 to proceed with the pre-engineering work of the intersection.

As an interim measure, prior to any construction being undertaken, the speed limit zones have been reduced to 50kph north and south of the intersection on Bruce Road 3 and east and west of the intersection on Bruce Road 17.

### Financial/Staffing/Legal/IT Considerations:

Transfer \$20,000 from Bruce Road 6EastA to Bruce Road 3J for pre-engineering work at the intersection of Bruce Roads 3 and 17.

There are no staffing, legal or IT considerations associated with this report.

### Interdepartmental Consultation:

Not Applicable.



Corporation of the County of Bruce  
Transportation and Environmental Services

brucecounty.on.ca

Link to Strategic Goals and Elements:

None Identified.

Approved by:

A handwritten signature in black ink, appearing to read "Kelley Coulter".

Kelley Coulter  
Chief Administrative Officer



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Capital, Bruce Road 12, Formosa

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### Recommendation:

That a 40kph speed zone approximately 100m north and south of Wilmar Drive on Bruce Road 12 in the Village of Formosa be approved; and,

That by-law 2018-008 be repealed.

### Background:

Committee received an information report at the February Committee meeting that included a community petition requesting a review of the vertical alignment of Bruce Road 12 at the Wilmar Drive intersection at the north end of the Village of Formosa.

The Engineer attended a Municipality of South Bruce Council meeting on February 13, 2018 and presented several options for the improvements of the intersection at Bruce Road 12 and Wilmar Drive in the Village of Formosa.

The Department also held an open house in Formosa on March 7, 2018. The presentation included the following and is attached for your information:

- North Hill Reconstruction- Alternative Solutions
- Typical Cross-Section
- Alternative 2, 800mm cut at Wilmar Drive
- Intersection Sight Distance Analysis for Alternative 2
- Alternative 3, 25mm cut at Wilmar Drive
- Intersection Sight Distance Analysis for Alternative 3
- Introduction of a Northbound Right Turn Lane



# BRUCE county

The Engineer indicated that the Department is unable to undertake the improvement in 2018 and plans to budget the work in 2019. As an interim measure, the Department will undertake the following:

- Apply line marking and arrows for a right turn lane,
- Install signage for a right turn lane,
- Create and sign a 40 kph speed zone approximately 100m north and south of Wilmar Drive on Bruce Road 12

### Financial/Staffing/Legal/IT Considerations:

There are no financial, staffing, legal or IT considerations associated with this report.

### Interdepartmental Consultation:

Not applicable.

### Link to Strategic Goals and Elements:

None identified.

### Approved by:

Kelley Coulter  
Chief Administrative Officer



## North Hill Reconstruction - Alternative Solutions

### Alternative 1 - Do Nothing

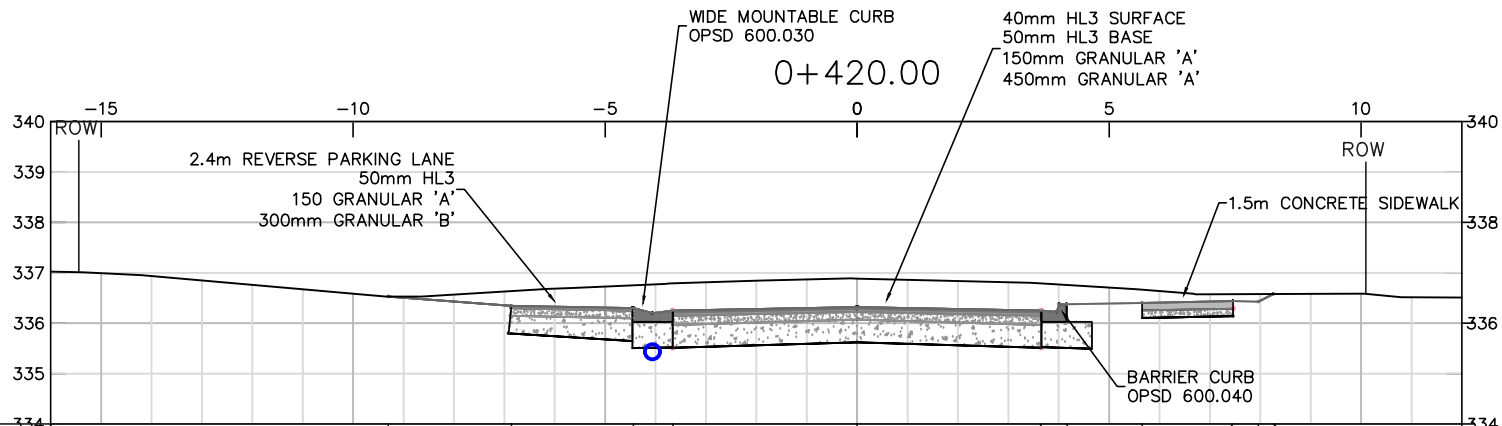
- Apply a 40mm hot mix overlay.

### Alternative 2 - Facilitates Grade Lowering at the Wilmar Drive Intersection of 800mm

- Substantial grade changes at the intersection to reflect a northbound stopping sight distance of 90m (65kph) and a southbound stopping sight distance of 95m (65kph).
- Lower grade throughout urban area.
- Identify a right turn lane northbound onto Wilmar Drive and install a merge lane and taper north of Wilmar Drive.
- Maintain a 50 kph speed limit.
- Install curb and gutter and generally install a reverse shoulders to drain boulevard water toward the road.
- Road cut has impact on adjacent properties south of Wilmar Drive.
- Install sidewalk on the east boulevard.
- Partially pave boulevard south of Wilmar Drive

### Alternative 3 - Facilitates Minor Grade Lowering at the Wilmar Drive Intersection of 25mm

- Minor grade change at the intersection to reflect a northbound stopping sight distance of 73m (55kph) and a southbound stopping sight distance of 121m (74kph).
- Lower grade north of Wilmar Drive.
- Identify a right turn lane northbound onto Wilmar Drive and install a merge lane and taper north of Wilmar Drive.
- Introduce a 40kph speed limit at the top of the hill.
- Install curb and gutter and generally install reverse shoulders to drain boulevard water toward the road.
- Install sidewalk on the east boulevard.
- Partially pave boulevard south of Wilmar Drive.



FG/EG		336.532 336.53	336.348 336.64	336.300 336.76	336.250 336.79	336.323 336.89	336.250 336.79	336.375 336.76	336.405 336.67	336.441 336.58	336.431 336.58	336.582 336.58
GRADE			7.5%	2.0%		-2.0%		-2.0%		2.0%	2.0%	-2.0%
OFFSET		-9.30	-6.86	-4.43	-3.66	0.00		3.66 4.16	5.66	7.46	7.96	8.26

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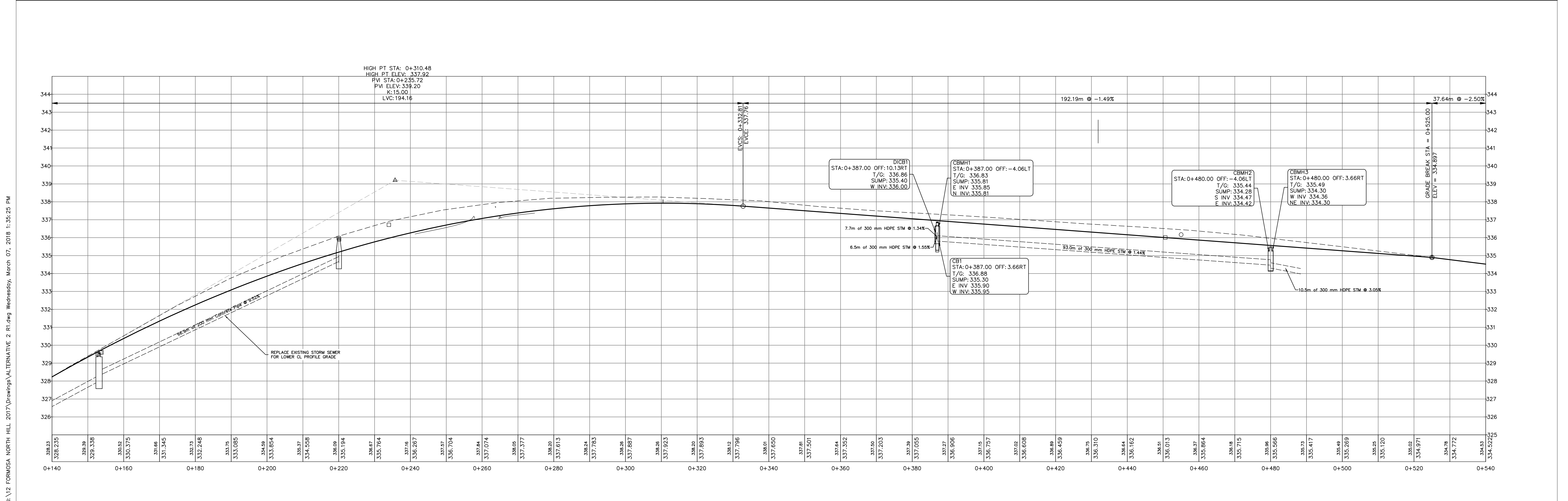
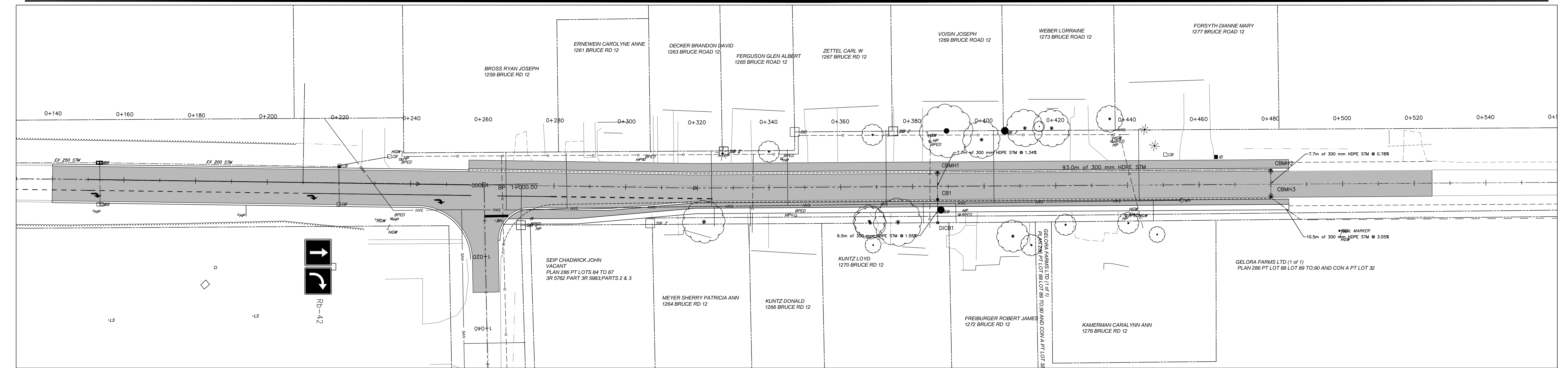
## BRUCE ROAD 12 FORMOSA NORTH HILL TYPICAL CROSS-SECTION

DRWG NO.

1 of 1

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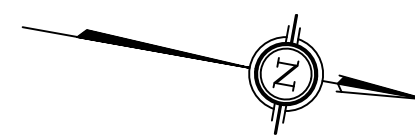




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THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVE GROUND SERVICES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS AND WHERE SHOWN, THE ACCURACY OF EACH UTILITY AND STRUCTURE IS NOT GUARANTEED. BEFORE STARTING WORK, VERIFY THE EXACT LOCATIONS OF ALL SERVICES AND STRUCTURES BY CONTACTING THE APPROPRIATE AGENCY/UTILITY

**NORTH**



**NOTES:**

NO.	REVISION	BY	DATE
0	OPEN HOUSE	MC	MAR 7/18

PROJECT: BRUCE ROAD 12 RECONSTRUCTION ALTERNATIVE 2

TITLE: SITE LINE ANALYSIS STA. 0 + 200 TO STA. 0 + 560

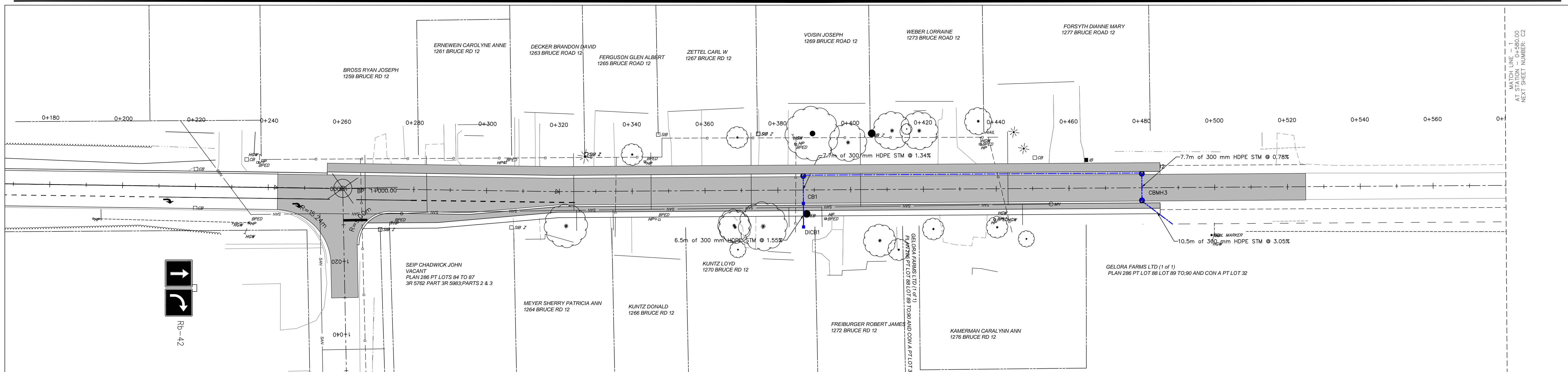
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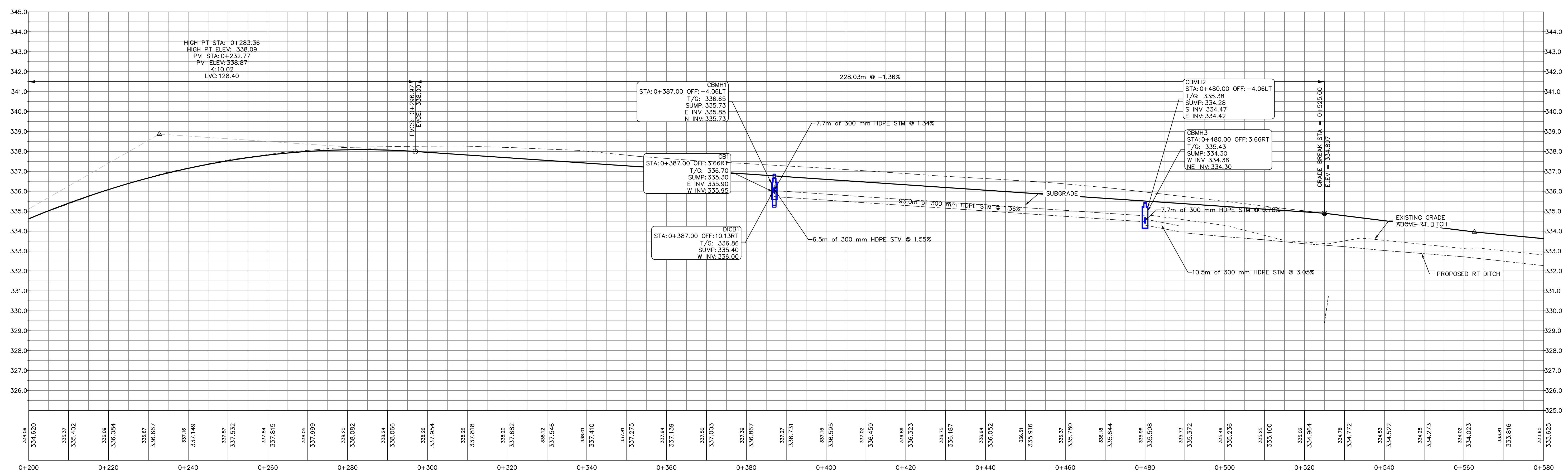
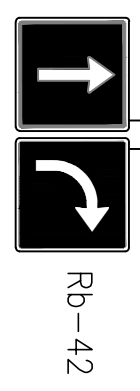
REVISION 0  
DRWG NO. C1

45.0°N 81.3°W  
**BRUCE**  
 county  
**TRANSPORTATION SERVICES**  
 30 PARK STREET, WALKERTON ON NOG 2V0  
 TEL: (519) 881-2400 FAX: (519) 507-3030  
 bch@wpcbrucecounty.on.ca



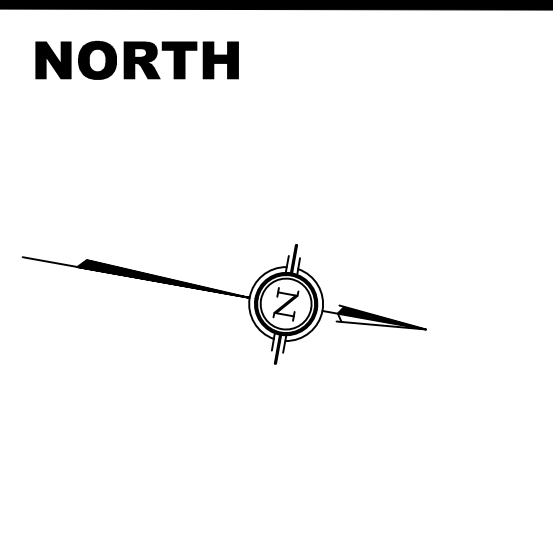


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NEXT SHEET NUMBER - C2



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THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVE GROUND SERVICES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS AND WHERE SHOWN, THE ACCURACY OF EACH UTILITY AND STRUCTURE IS NOT GUARANTEED. BEFORE STARTING WORK, VERIFY THE EXACT LOCATIONS OF ALL SERVICES AND STRUCTURES BY CONTACTING THE APPROPRIATE AGENCY/UTILITY



**NOTES:**

NO.	REVISION	BY	DATE
0	OPEN HOUSE	MC	MAR 7/18

PROJECT: BRUCE ROAD 12 RECONSTRUCTION ALTERNATIVE 3

TITLE: PLAN AND PROFILE STA. 0 + 200 TO STA. 0 + 560

SCALE: H 1:1000 V 1:100

DRAWN BY: MC

REVISION: 0

DRWG NO.: C1

45.0°N 81.3°W

**BRUCE**  
county

**TRANSPORTATION SERVICES**

30 PARK STREET, WALKERTON ON NOG 2V0  
TEL: (519) 881-2400 FAX: (519) 507-3030  
bc@brucecounty.on.ca

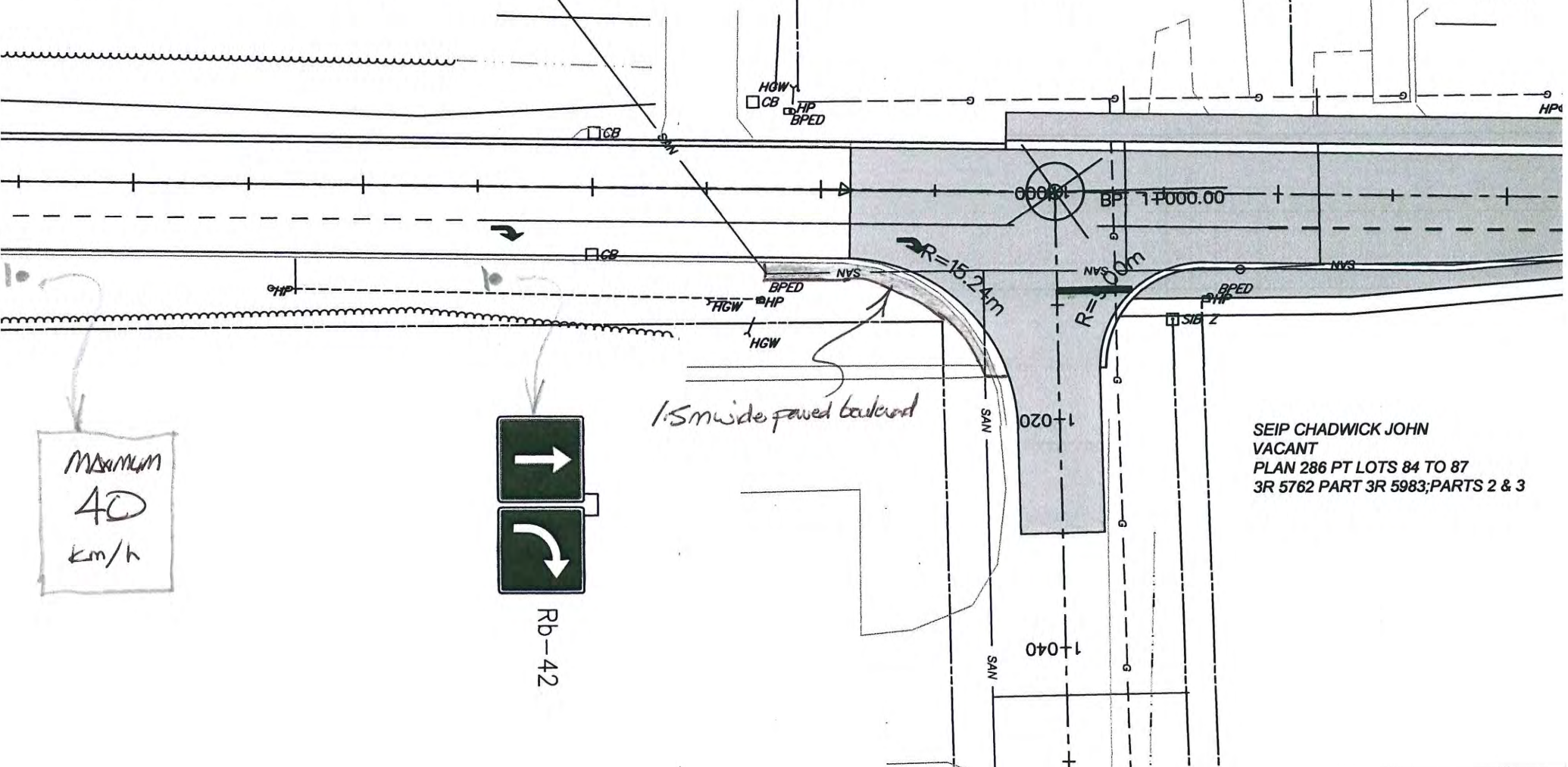


ERNEWEIN CAROLYNE ANNE  
1261 BRUCE RD 12

BROSS RYAN JOSEPH  
1259 BRUCE RD 12

SEIP CHADWICK JOHN  
VACANT  
PLAN 286 PT LOTS 84 TO 87  
3R 5762 PART 3R 5983; PARTS 2 & 3

0+180      0+200      0+220      0+240      0+260      0+280      0+300



Maximum  
40  
km/h



1.5m wide paved boulevard



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
County Engineer

**Date:** March 22, 2018

**Re:** Park Street Stormwater Management Easement  
Agreement with the Municipality of Brockton

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### Recommendation:

That the County of Bruce accept in principle, the registration of an Easement on a narrow parcel of land within the property known as 30 Park Street in favor of the Municipality of Brockton, for the purpose of conveyance of stormwater from the former Brant School property; and,

That the Department is authorized to negotiate the specifics of the Easement with the understanding that the principle of "post development conditions" on the Lands shall be no worse than "pre-development conditions"; and,

That the County Solicitor shall be engaged in the review and registration of the Easement; and,

That the Director introduce a By-law executing the Easement; and,

That the Municipality of Brockton and/or the Developer (JDR Developments Inc.), shall pay all County costs associated with the preparation, review, approval and registration of an Easement.

### Background:

The Department is working with the County's Administration Building Environmental Services Manager in responding to a request from the new owners of the former Brant Central School property, JDR Developments Inc., neighbours to the County's 30 Park Street Walkerton facility. JDR Developments Inc. has requested that the County consider accepting the stormwater runoff from a stormwater management (SWM) facility on the redeveloped site. The SWM pond is located approximately 140m upstream of the County property pond as indicated on the attachments.



**BRUCE**  
county

The Department approached Committee at their meeting of July 6, 2017 and now wishes to recommend the introduction of the By-law to execute the easement. The sequence of events is for the Developer and County to agree on the method, timing and details of construction as described in a subsequent report entitled 'Park Street Stormwater Management Agreement to Construct a Storm Sewer Outfall'. Following construction, the Developer would survey the easement and the easement documents would be prepared.

**Financial/Staffing/Legal/IT Considerations:**

There are no financial, staffing, legal or IT considerations associated with this report.

**Interdepartmental Consultation:**

Corporate Services and Planning Departments

**Link to Strategic Goals and Elements:**

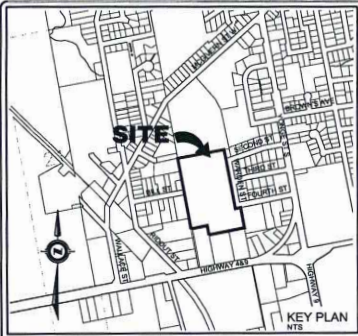
None identified.

Written by: Martin Campbell, Engineering Technologist

**Approved by:**

Kelley Coulter  
Chief Administrative Officer

I:\Projects\161\08532-CP1 - Rev. 06/16/16\Drawings\161-08532-CP1 - Rev. 06/16/16.dwg Dec 12, 2016 - 13:50pm



**CAUTION:**  
 THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

**Notes**

1. TOPOGRAPHICAL SURVEY DERIVED FROM FIELD SURVEY BY WSP CANADA INC. COMPLETED ON JUNE 21, 2016.
2. PROPERTY BOUNDARY IS APPROXIMATE ONLY AND IS DERIVED FROM INFORMATION SHOWN ON REGISTERED PLAN No. 838.



**Benchmark Information**

- 1. GEODETIC BENCHMARK (GSM 886202) - TABLET IN FOUNDATION OF BEER STORE ON DURHAM STREET. ELEVATION: 347.82m
- 2. TOP OF B.B. LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF WARDEN AND SECOND STREET. ELEVATION: 173.35m

No.	DATE	DESCRIPTION	BY	APPROVED
REVISION / ISSUE				

See: not valid unless signed and sealed

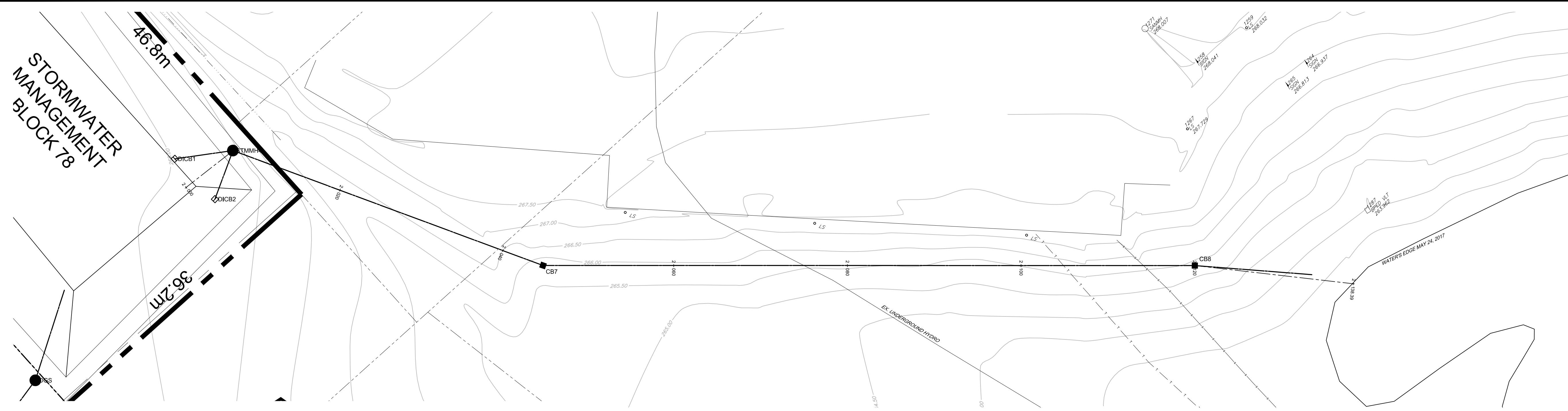
**WSP**

101 14th Avenue, Niagara, Ontario N4A 3W1  
 Telephone: (905) 304-8700 / Fax: (905) 304-8827  
 Toll Free: 1-800-665-3554

**PROPOSED SUBDIVISION**  
**BLOCK 'B' REG'D PLAN No. 626**  
**& PART OF PARK LOT 45 REGISTERED PLAN No. 176**  
**FORMER TOWN OF WALKERTON**  
**MUNICIPALITY OF BROCKTON**  
**CONCEPT PLAN 1**

Client: **Mr. Joerg Weller**  
 Design: TLB      Date: 1-7-16  
 Drawn: JAF      Approved:  
 Checked: S.J.C.  
 Date: JUN 2016      Design Engineer

DRAWING No. 161-08532-CP1

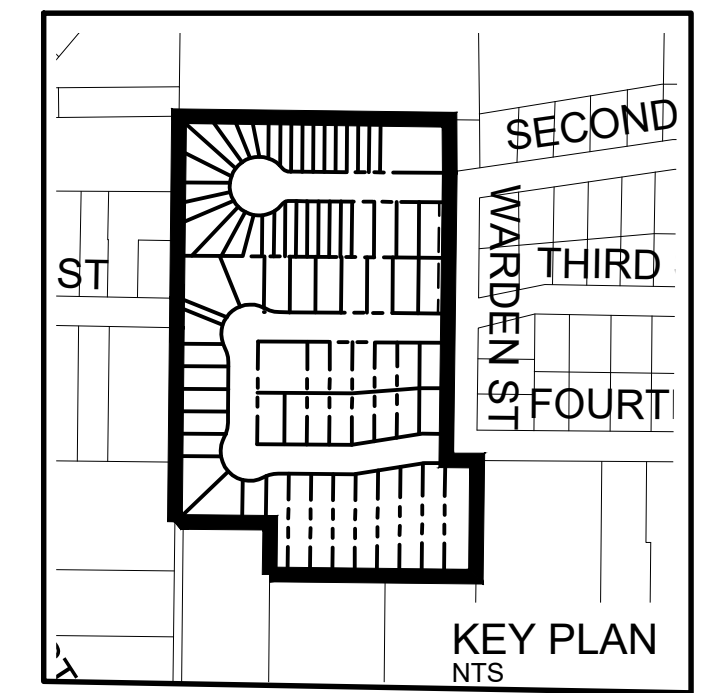


**CAUTION:**  
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

**Notes**

1. TOPOGRAPHIC INFORMATION DERIVED FROM FIELD SURVEY BY WSP CANADA INC. COMPLETED ON JUNE 21, 2016.
2. LOT FABRIC DERIVED FROM DRAFT PLAN OF SUBDIVISION.
3. SEE SHEET C11 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
4. ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
5. COVER OVER WATERMAIN 1.8m MINIMUM AT ALL POINTS.
6. SANITARY SEWER TO BE PVC SDR 35.
7. STORM SEWER TO BE HDPE.
8. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
9. ALL WATERMANS TO BE PVC DR 18 WITH 18mmØ REHAU MUNICIPEX SERVICE TUBING FOR WATER SERVICES.
10. WATER SERVICES TO BE INSTALLED UNDER STORM SEWERS.
11. ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.
12. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
13. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
14. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF BROCKTON ENGINEERING STANDARDS.

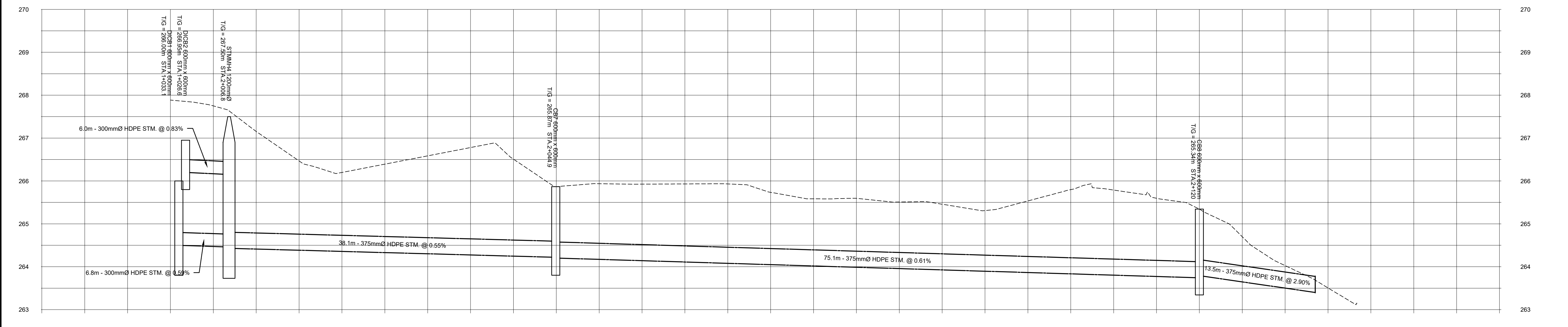
LEGEND			
---	PROPOSED STREET/PROPERTY LINES	○ TICBMH	PROPOSED TWIN INLET CATCHBASIN MANHOLE
---	EDGE OF EXISTING PAVEMENT	■ CB	PROPOSED CATCH BASIN
---	EDGE OF EXISTING GRAVEL	□ CB	EXISTING CATCH BASIN
---	PROPOSED SANITARY SEWER	□ DICB	PROPOSED DITCH INLET CATCHBASIN
---	EXISTING SANITARY SEWER	○ CSV	EXISTING CURB STOP VALVE
---	PROPOSED STORM SEWER	○ CSV	PROPOSED HYDRANT SET
---	EXISTING STORM SEWER	○ CSV	EXISTING FIREHYDRANT
---	PROPOSED WATERMAIN	○ CSV	PROPOSED GATE VALVE
---	EXISTING WATERMAIN	○ CSV	EXISTING GATE VALVE
---	PROPOSED SANITARY SERVICE AND CLEANOUT (GRAVITY)	○ CSV	EXISTING FENCE
---	PROPOSED SANITARY SERVICE (38mmØ)	○ CSV	EXISTING TREE LINE
---	CURB STOP & CHECK VALVE (PRESSURE SEWER)	○ CSV	EXISTING UNDERGROUND TELEPHONE CABLE
---	PROPOSED WATER SERVICE & CURB STOP VALVE	○ CSV	EXISTING UNDERGROUND TV CABLE
○ SANMH	PROPOSED SANITARY MANHOLE	○ CATV	EXISTING UNDERGROUND GAS LINE
○ STMMH	EXISTING SANITARY MANHOLE	○ G	
○ STMMH	PROPOSED STORM MANHOLE		
○ STMMH	EXISTING STORM MANHOLE		
		---	EXISTING HYDRO GUY WIRE
		---	EXISTING HYDRO POLE
		---	EXISTING CABLE TV PEDESTAL
		---	EXISTING TELEPHONE PEDESTAL
		---	STANDARD IRON BAR
		---	IRON BAR
		---	EXISTING DECIDUOUS TREE AND DIAMETER
		---	EXISTING CONIFEROUS TREE AND DIAMETER
		---	EXISTING GAS MARKER
		---	BENCHMARK
		---	PROPOSED ELEVATION
		---	EXISTING ELEVATION



**Benchmark Information**

BM1	TOP OF SIB LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF WARDEN AND THIRD STREET	273.30m
BM2	TOP OF SIB LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF WARDEN AND FOURTH STREET	276.23m

Station	Proposed Elevation	Existing Elevation
2+000	267.865	267.865
2+010	267.749	267.749
2+020	267.154	267.154
2+030	266.487	266.487
2+040	266.198	266.198
2+050	266.302	266.302
2+060	266.565	266.565
2+070	266.779	266.779
2+080	266.809	266.809
2+090	265.868	265.868
2+100	265.898	265.898
2+110	265.929	265.929
2+120	265.931	265.931
2+130	265.930	265.930
2+140	265.934	265.934
2+150	265.728	265.728
2+160	265.728	265.728
2+170	265.728	265.728
2+180	265.998	265.998
2+190	265.998	265.998
2+200	265.998	265.998
2+210	265.998	265.998
2+220	265.998	265.998
2+230	265.998	265.998
2+240	265.998	265.998
2+250	265.998	265.998
2+260	265.998	265.998
2+270	265.998	265.998
2+280	265.998	265.998
2+290	265.998	265.998
2+300	265.998	265.998
2+310	265.998	265.998
2+320	265.998	265.998
2+330	265.998	265.998
2+340	265.998	265.998
2+350	265.998	265.998
2+360	265.998	265.998
2+370	265.998	265.998
2+380	265.998	265.998
2+390	265.998	265.998
2+400	265.998	265.998



No.	DATE	DESCRIPTION	BY	APPD
0	JUN 01/17	FIRST SUBMISSION	TLB	SJC

REVISION / ISSUE

Seal not valid unless signed and dated

464A - 10th STREET, Hanover, Ontario N4N 1R1  
Telephone: (519) 506-6959  
www.cobideeng.com

Station	Storm Invert	Sanitary Invert
2+000	267.865	267.865
2+010	267.749	267.749
2+020	267.154	267.154
2+030	266.487	266.487
2+040	266.198	266.198
2+050	266.302	266.302
2+060	266.565	266.565
2+070	266.779	266.779
2+080	266.809	266.809
2+090	265.868	265.868
2+100	265.898	265.898
2+110	265.929	265.929
2+120	265.931	265.931
2+130	265.930	265.930
2+140	265.934	265.934
2+150	265.728	265.728
2+160	265.728	265.728
2+170	265.728	265.728
2+180	265.998	265.998
2+190	265.998	265.998
2+200	265.998	265.998
2+210	265.998	265.998
2+220	265.998	265.998
2+230	265.998	265.998
2+240	265.998	265.998
2+250	265.998	265.998
2+260	265.998	265.998
2+270	265.998	265.998
2+280	265.998	265.998
2+290	265.998	265.998
2+300	265.998	265.998
2+310	265.998	265.998
2+320	265.998	265.998
2+330	265.998	265.998
2+340	265.998	265.998
2+350	265.998	265.998
2+360	265.998	265.998
2+370	265.998	265.998
2+380	265.998	265.998
2+390	265.998	265.998
2+400	265.998	265.998

Title: **JDR DEVELOPMENTS SUBDIVISION**  
Municipality of Brockton  
**STORMWATER OUTLET**  
PLAN AND PROFILE  
STA. 2+000 TO STA. 2+140

Client: **JDR DEVELOPMENTS INC.**

Design: TLB Scale: H 1:250 V 1:50  
Drawn: TLB Approved:  
Checked: SJC  
Date: MAY 2017 Design Engineer

DRAWING No. 00501-C6

H:\Water\00501\_Brockton\_Central\_School\_Re-Development\Drawings\Submissions\2017-05-23\_First\_Submission\00501\_P&P.dwg Jun 01, 2017 7:15:01am

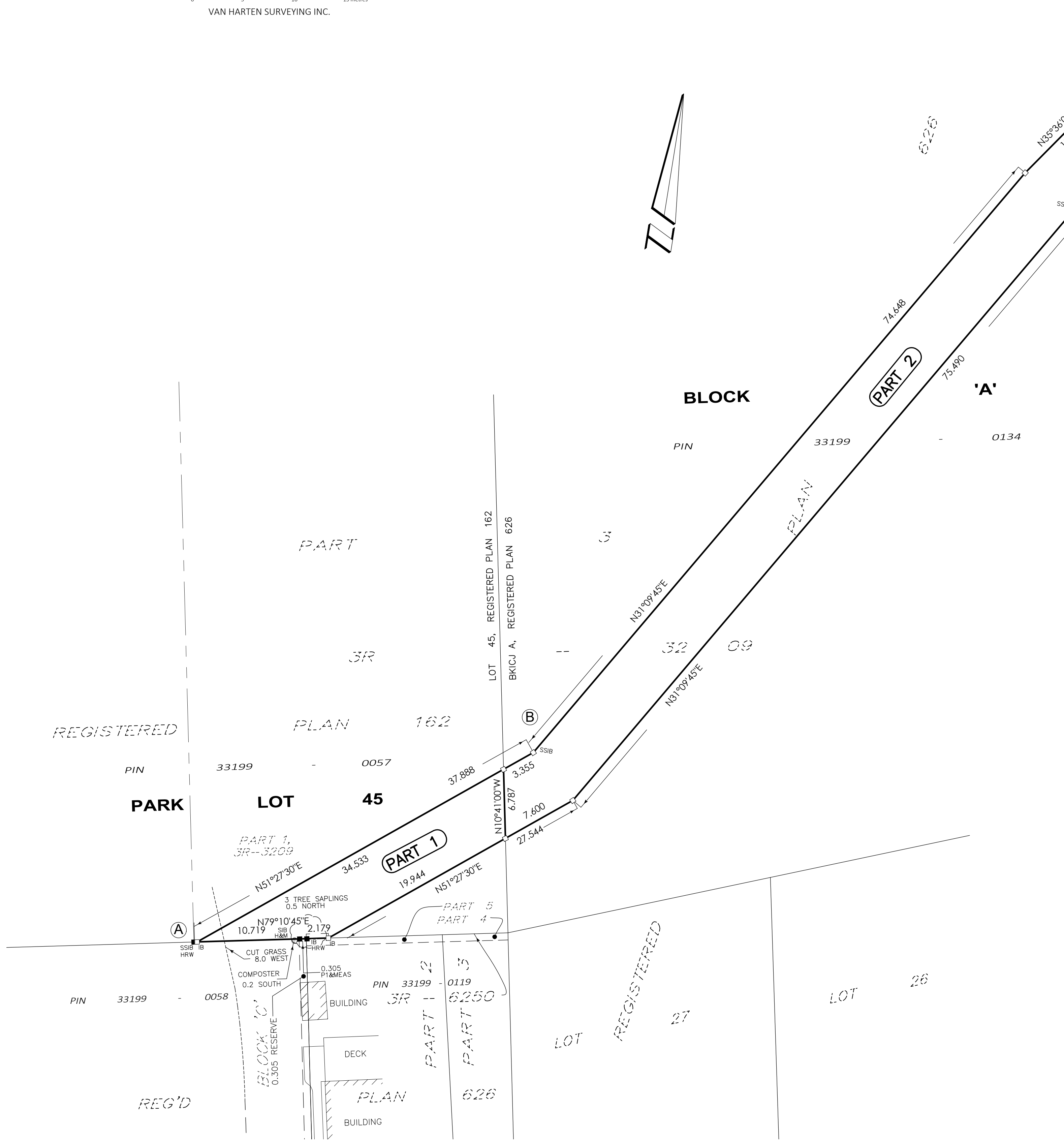
PLAN OF SURVEY OF  
OF PART OF  
**PARK LOT 45**  
**REGISTERED PLAN 162**  
PART OF  
**BLOCK 'A'**  
**REGISTERED PLAN 626**  
(FORMERLY IN THE TOWN OF WALKERTON)  
**MUNICIPALITY OF BROCKTON**  
**COUNTY OF BRUCE**

SCALE 1 : 250  
0 5 10 15 metres  
VAN HARTEN SURVEYING INC.

SCHEDULE				
PART	LOT	PLAN	PIN	AREA m <sup>2</sup>
1	PART OF PARK LOT 45	REGISTERED PLAN 162	PART OF 33199-0057	163.3
2	PART OF BLOCK A	REGISTERED PLAN 626	PART OF 37318-0134	616.1

I REQUIRE THIS PLAN TO  
BE DEPOSITED UNDER THE  
LAND TITLES ACT.  
DATE: \_\_\_\_\_  
\_\_\_\_\_  
JOHN SCOTT, O.L.S.

**PLAN 3R-**  
RECEIVED AND DEPOSITED  
DATE: \_\_\_\_\_  
\_\_\_\_\_  
REPRESENTATIVE FOR  
LAND REGISTRAR FOR THE LAND TITLES  
DIVISION OF BRUCE (No. 3)



**SURVEYOR'S CERTIFICATE**

- I CERTIFY THAT:
- THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
  - THIS SURVEY WAS COMPLETED ON \_\_\_\_\_

DATE: \_\_\_\_\_, 2017  
\_\_\_\_\_  
JOHN SCOTT  
ONTARIO LAND SURVEYOR

**BEARING AND COORDINATE NOTE:**

- BEARINGS ARE GRID BEARINGS AND ARE DERIVED FROM GPS OBSERVATIONS AND ARE REFERRED TO THE UTM PROJECTION, ZONE 17, NAD 83 (CSRS-2010) ADJUSTMENT.
- COORDINATES ON THIS PLAN ARE UTM, ZONE 17, NAD83 (CSRS-2010) ADJUSTMENT AND ARE BASED ON GPS OBSERVATIONS FROM A NETWORK OF PERMANENT GPS REFERENCE STATIONS.

UTM COORDINATES (METRES)		
POINT ID	NORTHING	EASTING
A	4,885,152.44	4,877,64.310
B	4,885,176.08	4,877,94.180
C	4,885,253.63	4,878,51.180

THESE COORDINATE VALUES COMPLY WITH SECTION 14(2) O. REG 216/10. THESE COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH THE CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

**BEARING COMPARISONS:**

PLAN	ROTATION FOR NORTHEAST BEARINGS
P1	+0°13'10"
P2	+0°16'25"

FOR THE PURPOSES OF BEARING COMPARISONS, PREVIOUS SURVEYS HAVE BEEN ROTATED TO UTM BEARINGS BY THE ANGLES SHOWN BELOW.

**LEGEND:**

- DENOTES SURVEY MONUMENT SET
- DENOTES SURVEY MONUMENT FOUND
- SIB DENOTES .025 x .025 x 1.20 STANDARD IRON BAR
- IB DENOTES .015 x .015 x 0.60 IRON BAR
- SSIB DENOTES .025 x .025 x 0.60 SHORT STANDARD IRON BAR
- RP DENOTES .015 DIA. X 0.07 ROUND IRON BAR WITH STAMPED WASHER
- PB DENOTES .025 x .025 x 0.30 PLASTIC BAR
- CC DENOTES CUT CROSS
- WIT DENOTES WITNESS
- OU DENOTES ORIGIN UNKNOWN
- VH DENOTES VAN HARTEN SURVEYING INC., O.L.S.'s
- P1 DENOTES PLAN 3R-9611
- P2 DENOTES PLAN 3R-3209
- H&M DENOTES HEWETT & MILNE, O.L.S.'s
- HRW DENOTES H.R. WHALE, O.L.S.

**METRIC:**  
DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.



**Van Harten**  
SURVEYING INC.  
LAND SURVEYORS and ENGINEERS

Elmira Ph: 519-669-5070	Guelph Ph: 519-821-2763	Orangeville Ph: 519-940-4110
www.vanharten.com		info@vanharten.com
DRAWN BY: GKS	CHECKED BY: JS	PROJECT No. 24505-17
Dec 20, 2017-12:33pm G:\WALKERTON\626\acad\1\ EasementPart Lot 45 PI 626.dwg		



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
County Engineer

**Date:** March 22, 2018

**Re:** Park Street Stormwater Management  
Agreement to Construct a Storm Sewer Outfall

---

### Recommendation:

That the County of Bruce accept in principle, granting permission to JDR Developments/Cedarwell Construction to construct a storm sewer outlet, from the existing 30 Park Street pond to 140m southwesterly, to become the storm outlet for the Brant Street Central School Development; and,

That the Department is authorized to negotiate the specifics of the agreement with the developer to ensure that the work is completed to the satisfaction of the Transportation and Environmental Services Department including all insurance, performance security and health and safety requirements of the County; and,

That Developer (JDR Developments Inc.), shall pay all costs associated with construction of the Storm Outlet.

### Background:

The Department is working with the County's Administration Building Environmental Services Manager in responding to a request from the new owners of the former Brant Central School property, JDR Developments Inc., which abuts the south limit of County's 30 Park Street Walkerton facility. JDR Developments Inc. has requested that the County consider accepting the stormwater runoff from a stormwater management (SWM) facility on the redeveloped site. The SWM pond is located approximately 140m upstream of the County property pond as indicated on the attachment.

This report is for the Developer and County to agree on the method, timing and details of construction. Following construction, the Developer would survey the easement and the easement documents would be prepared.



As described in a previous report entitled 'Park Street Stormwater Management Easement Agreement with the Municipality of Brockton'. The Department has approached Committee to recommend the introduction of the By-law to execute the easement agreement between the Municipality of Brockton and the County of Bruce.

**Financial/Staffing/Legal/IT Considerations:**

There are no financial, staffing, legal or IT considerations associated with this report.

**Interdepartmental Consultation:**

Corporate Services and Planning Departments

**Link to Strategic Goals and Elements:**

None identified.

Written by: Martin Campbell, Engineering Technologist

**Approved by:**

Kelley Coulter  
Chief Administrative Officer





## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Community Safety Zone,  
Bruce Road 15, Tiverton

---

### Recommendation:

That a Community Safety Zone be designated on a section of Bruce Road 15, from Fire Number 8 Main Street in the Village of Tiverton to the intersection of Highway 21; and,

That a by-law be introduced to consolidate the Community Safety Zones within the jurisdiction of the Transportation and Environmental Services Department; and,

That By-law 2017-065 be repealed.

### Background:

The Department was approached recently by the Municipality of Kincardine to consider the designation of a section of Bruce Road 15 in the Village of Tiverton, between fire number 8 Main Street and the intersection of Highway 21, as a Community Safety Zone. The Department has reviewed the location and feels that this is an appropriate request.

Over the years, several sections of highway within the Transportation and Environmental Services' jurisdiction have been designated as Community Safety Zones. It would be beneficial to consolidate the Community Safety Zones into one by-law to include the section of Bruce Road 15. A map identifying the current Community Safety zones on Bruce County roads is attached.

### Financial/Staffing/Legal/IT Considerations:

There are no financial, staffing, legal or IT considerations associated with the report.



**Interdepartmental Consultation:**

Not applicable.

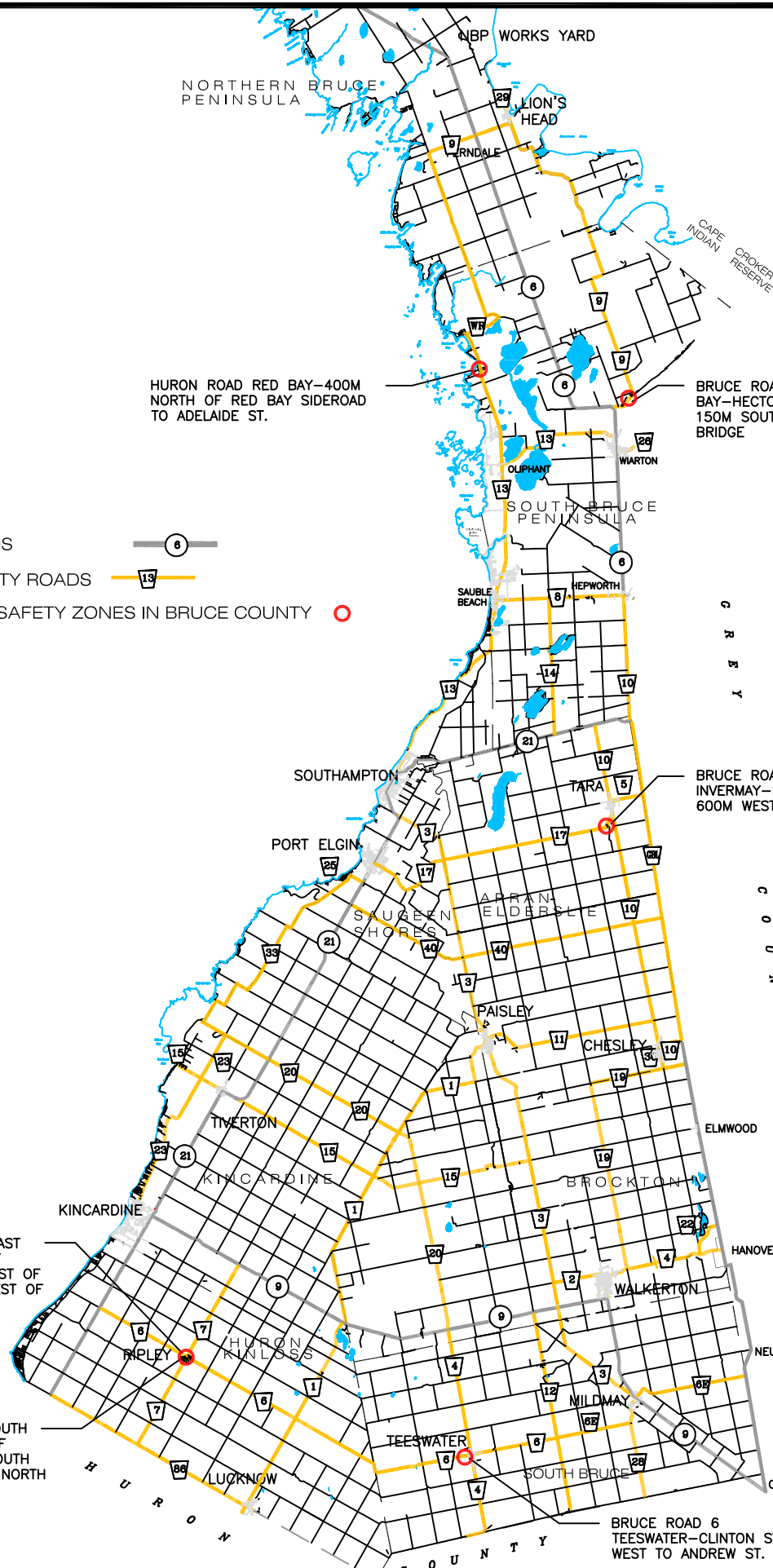
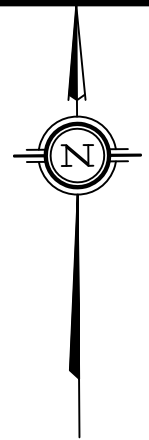
**Link to Strategic Goals and Elements:**

None identified.

**Approved by:**

A handwritten signature in black ink, appearing to read 'Kelley Coulter', written in a cursive style.

Kelley Coulter  
Chief Administrative Officer



HURON ROAD RED BAY-400M NORTH OF RED BAY SIDEROAD TO ADELAIDE ST.

BRUCE ROAD 9 COLPOY'S BAY-HECTOR ST. TO APPROX. 150M SOUTH OF HEPBURN BRIDGE

BRUCE ROAD 17 INVERMAY-MARGARET STREET TO 600M WEST OF MARGARET ST

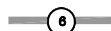
BRUCE ROAD 6 RIPLEY-EAST LIMITS TO WEST LIMITS OF RIPLEY APPROX. 600M EAST OF HURON ST. AND 700M WEST OF HURON ST.

BRUCE ROAD 7 RIPLEY-SOUTH LIMITS TO NORTH LIMITS OF RIPLEY APPROX. 1000M SOUTH OF QUEEN ST. AND 600M NORTH OF QUEEN ST

BRUCE ROAD 6 TEESWATER-CLINTON ST. NORTH WEST TO ANDREW ST.

**LEGEND**

M. T. O. ROADS



BRUCE COUNTY ROADS



COMMUNITY SAFETY ZONES IN BRUCE COUNTY





## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Extension of 2015 Pavement Marking Contract to 2018

---

### Recommendation:

That the 2018 pavement marking contract be awarded to R&N Maintenance.

### Background:

The Department had a contract in 2015 with R & N Maintenance to undertake pavement marking and the contract allowed for two additional years to 2017, which were implemented. On January 11, 2018, a written request (see attached) was received from R&N Maintenance for consideration to extend the original RFT #BCH-15-02 Pavement Marking contract to undertake work on the County's behalf in 2018. The request states - "All terms and unit prices applied to the 2017 contract will be honoured for the 2018 season". The original tender in 2015 had four contractors bid with the low bidder being R&N Maintenance with a price of \$158,098.80. The second low bid was \$176,885.00 and the high bid was \$433,963.80. Therefore, the low bid was \$18,786.20 lower; the equivalent of 11.88% difference. To date, the work performed by R&N Maintenance has been satisfactory. It is the Department's opinion that R & N's satisfactory contract performance, in conjunction with their proposal to match their previous contract pricing, would benefit and be of good value to the County.

### Financial/Staffing/Legal/IT Considerations:

There are no financial, staffing, legal or IT considerations associated with this report.

### Interdepartmental Consultation:

Procurement Division



Corporation of the County of Bruce  
Transportation and Environmental Services

brucecounty.on.ca

Link to Strategic Goals and Elements:

None identified

Approved by:

A handwritten signature in black ink, appearing to read 'Kelley Coulter', is written over a light grey horizontal line.

Kelley Coulter  
Chief Administrative Officer

January 11, 2018

County of Bruce Highways Department  
30 Park Street, P.O. Box 398  
Walkerton, ON N0G 2V0  
Attention: Jerry Haan

**RE: Line Painting Contract**

Dear Jerry Haan,

RanN Maintenance would like to officially request an extension of the 2017 line painting contract, for the upcoming 2018 season.

All terms and unit prices applied to the 2017 contract will be honoured for the 2018 season.

We trust that the line painting in 2017 was completed to the County of Bruce's satisfaction in the 2017 season and would appreciate the opportunity to provide the same quality service in 2018.

Should you have any questions or require any additional information, please don't hesitate to contact our office at 519-763-2997.

Best regards,

Roger Knapp  
President



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Armow Wind Project Road Repair Compensation  
Bruce Road 15

---

### Recommendation:

That the \$15,000 compensation received from Wood Group PLC for the pavement damage repair on Bruce Road 15 made during the Armow Wind project be put into reserves.

### Background:

The County entered into a Road Use Agreement in 2016 with SP Armow Wind Ontario LP to facilitate the use of Bruce County roads and allowances for transporting over-dimensional loads and installation of entrances to allow for the wind project located in the Municipality of Kincardine. One element of the project also required bore work on Bruce Road 15 for the installation of electrical infrastructure for the windmills. The contractor made attempts to remediate the deficiency in the road surface caused by the work but was unsuccessful in completing this work to the County's satisfaction as required in the agreement. An offer of \$15,000 plus HST was offered to the County to undertake the work in conjunction with their road projects by the Armow Wind's Project Management Company, Wood Group PLC. In January 2018, the Department accepted the proposal, as it is in the best interest of the Department to correct this deficiency when they complete work on this section of road or in close proximity. The Department is currently awaiting payment from the Project Management company.

### Financial/Staffing/Legal/IT Considerations:

The compensation of \$15,00 from Project Company, Wood Group PLC, be put into reserves for future roadwork on Bruce Road 15.

There are no staffing, legal or IT considerations associated with this report.



**BRUCE**  
county

Interdepartmental Consultation:

Not applicable.

Link to Strategic Goals and Elements:

None identified

Approved by:

Kelley Coulter  
Chief Administrative Officer



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Wiarton Shop Update, Jenny Street

---

### Recommendation:

The Wiarton Shop Update, Jenny Street report is for information.

### Background:

On August 11 2016, the Department approached Committee to recover from the June 11, 2016 fire. The site plan was developed to reconstruct the facility on a challenging site. A copy of the site plan is attached. The recovery plan included partnering with South Bruce Peninsula (SBP) to reconstruct the adjacent Jenny Street. The proposed Jenny Street reconstruction plan is attached.

The Engineer has approached the Council of South Bruce Peninsula on several occasions to discuss a cost-sharing arrangement and subsequent agreement. The Engineer attended the March 7, 2018 Council meeting and proposed a cost-share arrangement whereby SBP would contribute up to an upset limit of \$19,000 for the replacement of the aged watermain beyond the current water service to the new Wiarton shop. SBP Council received the Engineer's delegation and referred the matter to staff to report to a future SBP Council meeting. The Department awaits the outcome of further deliberations of SBP Council.

### Financial/Staffing/Legal/IT Considerations:

There are no financial, staffing, legal or IT considerations associated with this report.

### Interdepartmental Consultation:

Not Applicable.



Corporation of the County of Bruce  
Transportation and Environmental Services

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[Link to Strategic Goals and Elements:](#)

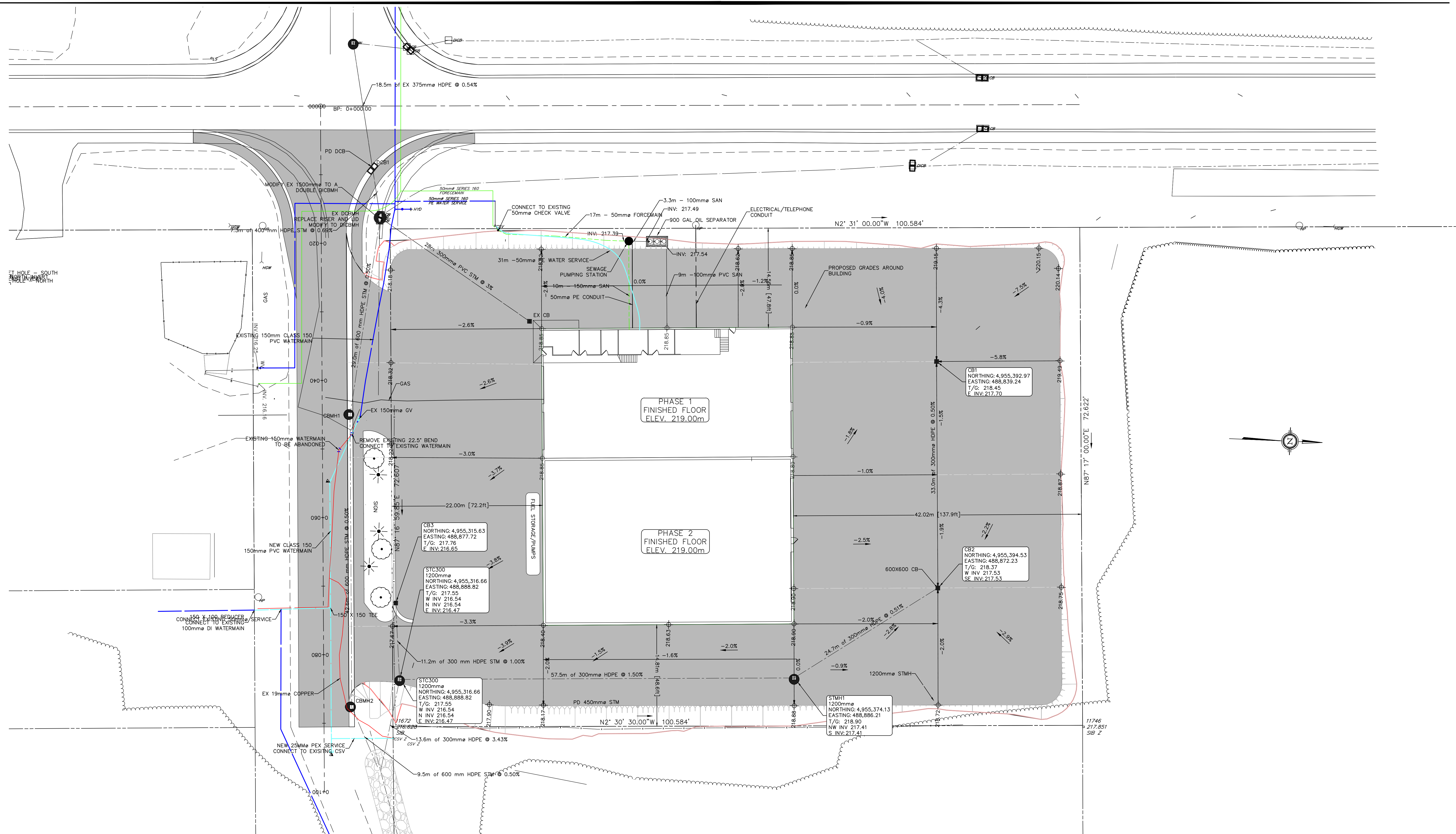
Goal #6 Explore alternative options to improve efficiency, service.  
Element #D Coordinate working with other agencies.

Approved by:

A handwritten signature in black ink, appearing to read 'Kelley Coulter', is written over a light blue horizontal line.

Kelley Coulter  
Chief Administrative Officer

J:\WARTON SHOP 2016\Buse Plan Topo Drawings\2018 CONSTRUCTION.dwg Friday, February 16, 2018 9:28:11 AM



THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVE GROUND SERVICES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS AND WHERE SHOWN, THE ACCURACY OF EACH UTILITY AND STRUCTURE IS NOT GUARANTEED. BEFORE STARTING WORK, VERIFY THE EXACT LOCATIONS OF ALL SERVICES AND STRUCTURES BY CONTACTING THE APPROPRIATE AGENCY/UTILITY

**NORTH**

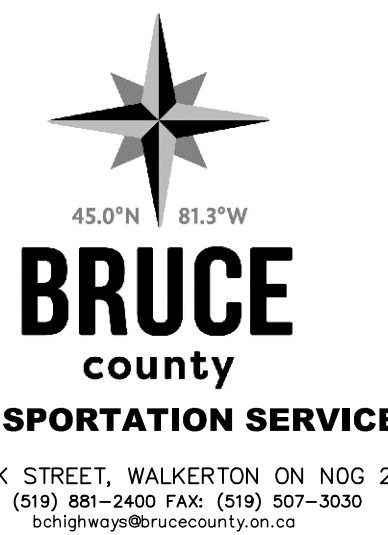
**NOTES:**

NO.	REVISION	BY	DATE
3	SOUTH BRUCE PENINSULA REVIEW	MC	FEB 16/18
2	ISSUE FOR BUILDING PERMIT PHASE 2	MC	MAY 16/17
1	ISSUE FOR BUILDING PERMIT PHASE 1 SERVICING	MC	AUG 31/16
0	FIRST SUBMISSION	MC	JULY 15/16

PROJECT: WIARTON PATROL YARD  
890 BERFORD ST  
WIARTON ONTARIO

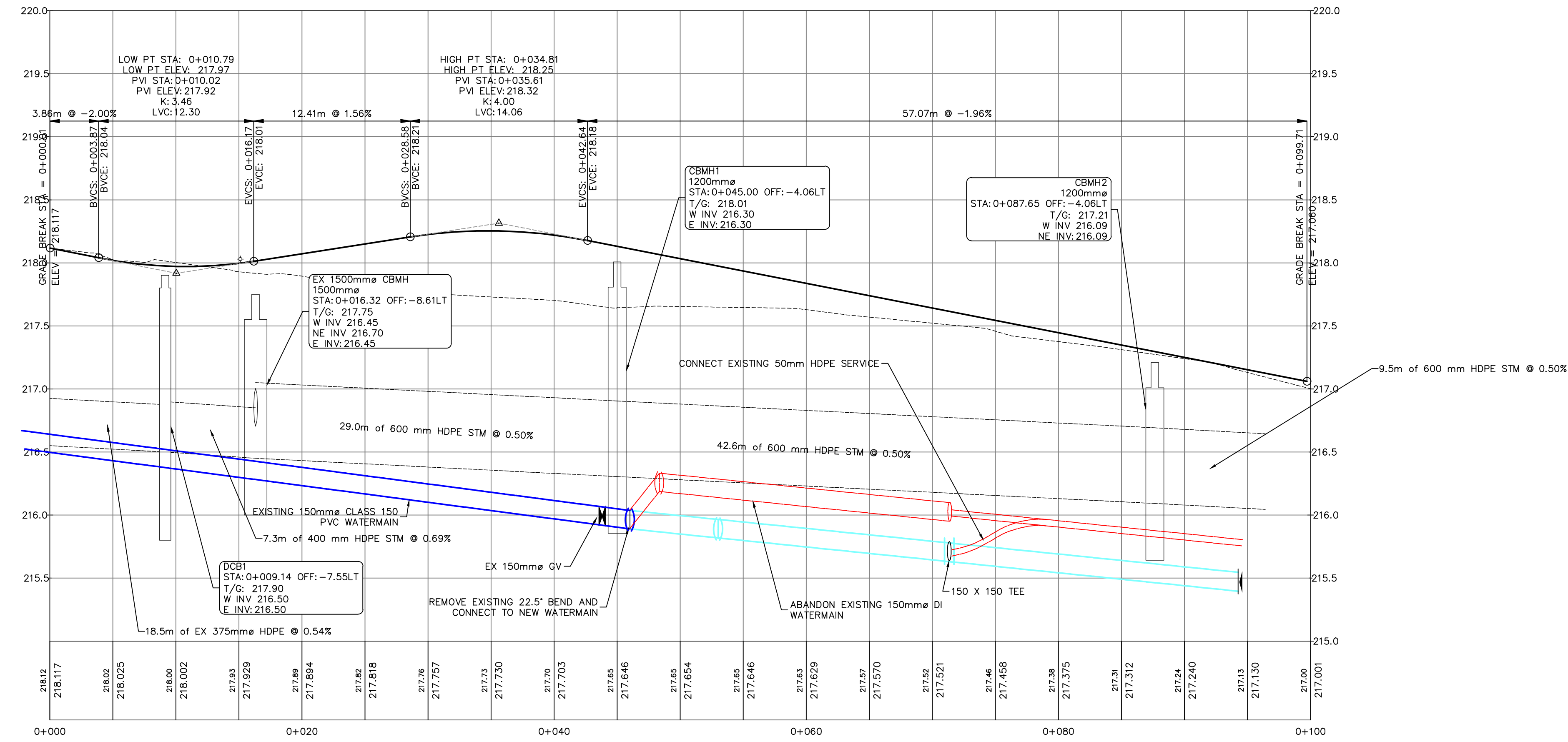
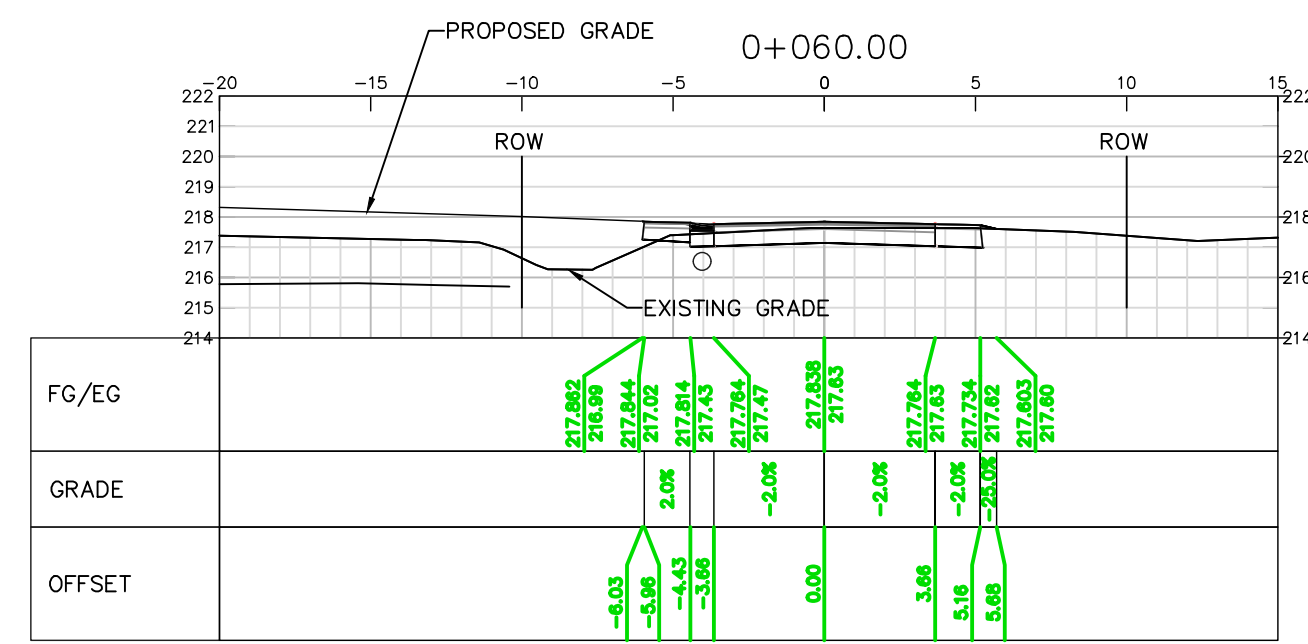
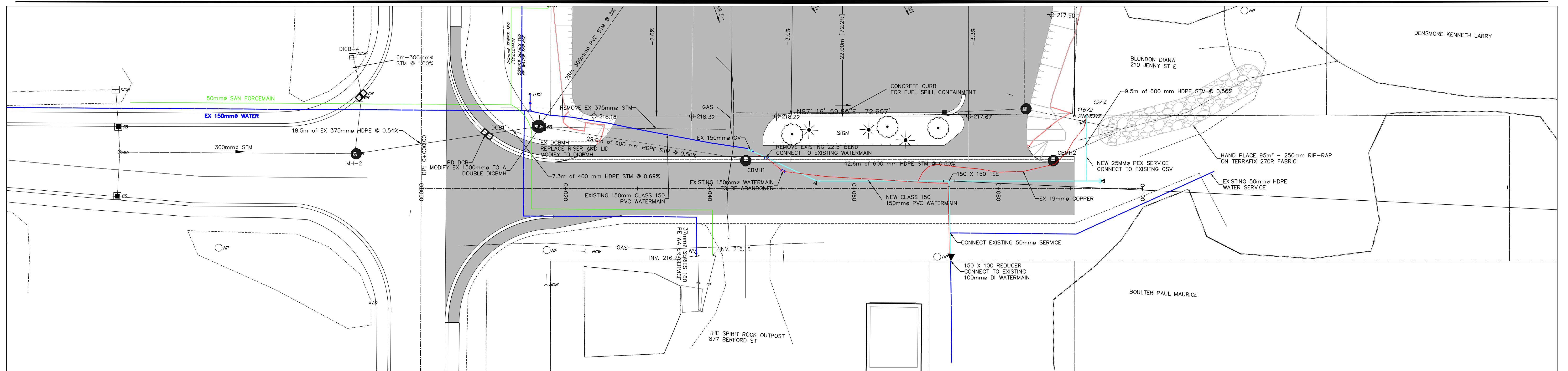
TITLE: PHASE 2 CONCEPTUAL SITE PLAN

SCALE: H 1:250  
DRAWN BY: MC  
REVISION: 3  
DRWG. NO.: C3



30 PARK STREET, WALKERTON ON N0G 2V0  
TEL: (519) 881-2400 FAX: (519) 507-3030  
bush@brucecountycan.ca

J:\WARTON SHOP 2015\Bases Plan Topo Drawings\2018 CONSTRUCTION.dwg Friday, February 16, 2016 9:28:21 AM



THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVE GROUND SERVICES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS AND WHERE SHOWN, THE ACCURACY OF EACH UTILITY AND STRUCTURE IS NOT GUARANTEED. BEFORE STARTING WORK, VERIFY THE EXACT LOCATIONS OF ALL SERVICES AND STRUCTURES BY CONTACTING THE APPROPRIATE AGENCY/UTILITY

**NORTH**

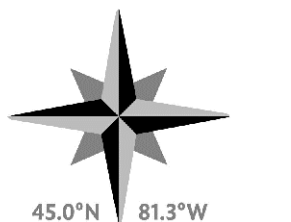
**NOTES:**

NO.	REVISION	BY	DATE
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PROJECT: **WIARTON PATROL YARD**  
890 BERFORD ST  
WIARTON ONTARIO

TITLE: **JENNY ST EAST PLAN AND PROFILE**  
STA. 0 + 000 TO STA. 0 + 100

SCALE: H 1:250  
V 1:25  
DRAWN BY: MC  
REVISION: **3**  
DRW NO.: **C4**



**BRUCE**  
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**TRANSPORTATION SERVICE**  
30 PARK STREET, WALKERTON ON N0G 2V0  
TEL: (519) 881-2400 FAX: (519) 507-3030  
bch@wpbcbrucecounty.on.ca







## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation & Environmental Services  
Committee

**From:** Brian Knox,  
County Engineer

**Date:** March 22, 2018

**Re:** 2018 Bridge & Flooding Incident

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### Recommendation:

That the 2018 Bridge & Flooding Incident report is for information.

### Background:

During the week of February 18, 2018 Bruce County experienced a significant rainfall event coupled with unseasonable warm temperatures causing significant snow pack melt. Extensive low area flooding was experienced in large parts of the Grey Sauble and Saugeen River watersheds together with unseasonably high water flows in the Sauble, Saugeen and Teeswater Rivers.

Low area flooding required the closure of various segments of County and local municipal roadways. Extremely high water levels, coupled with significant ice flows/ice jams and large amounts of debris in the Teeswater River in Paisley required the County to undertake a 24 hour monitoring of the river flows to ensure that the County Road 3 bridge in Paisley remained safe for vehicular and pedestrian traffic.

On approximately February 22, 2018 major damage was noticed on the County Road 30 bridge over the Saugeen River in downtown Chesley requiring the closure of the bridge to vehicular and pedestrian traffic for an undetermined period of time.

The County Transportation & Environmental Services Department (T&ES) undertook major enhanced operations during this Incident with field crews dispatched to various locations, detour installed in Chesley and preparations made for a potential road detour in Paisley.

County road operations had returned to normal, with the exception of the indefinite Chesley bridge closure, as of 08:00 hrs. Saturday February 24, 2018.



The Incident was handled/treated as a Department 'Enhanced Operation' meaning that extra Department staff time, expenses and managerial oversight were incurred during the Incident. As part of the 'Enhanced Operation', the County CAO, Warden, and Community Emergency Management Coordinator (CEMC) were activated for the Incident.

Internal and external communications (staff updates, media releases etc.) were coordinated through the County Emergency Information Officer Alternate (BC-EIO Alternate). Other County staff were involved in support work as needed.

The County of Bruce Emergency Management system itself was not activated for this Incident. Triggers for the activation of the County Emergency Management system were discussed and agreed upon by senior staff involved but were not reached in this Incident.

#### **Municipality of Arran-Elderslie:**

While the February weather event had impacts across Bruce County, the brunt of the impacts occurred in the Municipality of Arran-Elderslie (AE). County T&ES staff worked closely with AE staff in Chesley and in Paisley during the Incident. County staff continue to work closely with the Municipality to ensure the safety of residents and the travelling public while recognizing the inconvenience and emergency response concerns raised by the Chesley bridge closure.

While the County T&ES Department was concerned with the impacts of the high water on the Teeswater Bridge in Paisley, the County Human Services Director had been contacted by the Municipality regarding the potential for evacuation of residents in the north part of the town in case flood water breached the dyke system. The Director of Human Services contacted Red Cross in case it was necessary to activate our Service Agreement.

The County CEMC was also involved in liaison between the Municipality, the County and the Ontario Ministry of Transportation (MTO) regarding assistance from MTO and the potential for detour signage on Highway 21 if the Paisley bridge had been closed.

#### **Internal Recommendations:**

An 'After Action Review' was conducted with the County CAO, Transportation and Environmental Services staff and Community Emergency Management Coordinator (CEMC) on Tuesday March 6, 2018.

Overall staff were of the opinion that the 'Incident' was handled well internally and externally. Staff however did recommend changes/improvements as follows:



Table 1: Changes/Improvements

General Category	CEMC Comment	Assigned to
<p><b>Communications</b></p>	<p>T&amp;ES staff and Emergency Information communications staff identified a number of deficiencies with the current County communications protocols including: delays in issuing media releases; access to e-mail lists; multiple, incomplete or conflicting contact lists/data; role and responsibilities of communications staff vs. Departmental staff; who is permitted to speak.</p> <p>A County Corporate Communications Strategy is being prepared under the guidance of a Cross Functional Team. As part of the Strategy Emergency Communications has been identified as being a priority issue and the CAO has instructed that an Interim Emergency Communications Plan be completed by June 30<sup>th</sup>.</p>	<p>County Corporate Communications Specialist</p> <p>IT</p> <p>CEMC</p>
<p><b>Internal T&amp;ES Department</b></p>	<p>T&amp;ES would have benefited from taking the time to prepare a 'play book' or plan setting out who, what, where, when etc.</p> <p>T&amp;ES should look to adopt the general emergency response process and paperwork when dealing with Incidents even though the Incident may be classified as Enhanced Operations.</p>	<p>CEMC working with T&amp;ES Director</p>
<p><b>Emergency Preparedness</b></p>	<p>As part of Continuity of Operations T&amp;ES should include in their Plan measures and plans for address significant closures.</p> <p>Department COOPs are scheduled for review/update in 2019</p>	<p>T&amp;ES</p> <p>CEMC</p>
<p><b>Equipment</b></p>	<p>T&amp;ES staff have identified additional equipment and signage that would be beneficial for future operations.</p>	<p>T&amp;ES</p>
<p><b>Emergency Social Services</b></p>	<p>Clarification of the service provisions re emergency social services needs to be undertaken.</p>	<p>CEMC</p> <p>Human Services</p>



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### Financial/Staffing/Legal/IT Considerations:

Financial: The County has been in contact with the Ministry of Municipal Affairs to discuss potential financial assistance through the Provincial 'Municipal Disaster Recovery Assistance' program. To qualify for Municipal Disaster Recovery Assistance the County must:

1. Have experienced a sudden, unexpected, extraordinary natural event, such as a flood or tornado.
2. Incur eligible incremental costs equal to at least 3 per cent of the County's Own Purpose Taxation Levy (for Bruce this works out to approximately \$1.268 million)
3. Submit a resolution of Council requesting assistance and an initial claim with supporting documentation within 120 calendar days of the event.

Staff at the Province continue to work with the County on the preparation of the initial claim. At this time there are no dollar figures available in regards to potential Provincial funding.

There are no staffing, legal or IT considerations associated with this report.

### Interdepartmental Consultation:

Corporate Services, Community Emergency Management Coordinator  
Planning & Development, Emergency Information Officer (Alternate)  
Human Services, Income and Employment Supports Manager

### Link to Strategic Goals and Elements:

1. Develop and implement tactics for improved communications
  - D. Create a policy foundation to facilitate resource sharing across Departments
3. Find creative new ways to engage our public
  - B. Engage in cross-departmental streamlining - special in the solution not the Department

Written by: David Smith, Community Emergency Management Coordinator, Corporate Services

### Approved by:

Kelley Coulter  
Chief Administrative Officer



## Committee Report

**To:** Warden Paul Eagleson  
Members of the Transportation and Environmental Services  
Committee

**From:** Brian Knox  
Engineer

**Date:** March 22, 2018

**Re:** Reorganization of the Transportation & Environmental  
Services Department.

---

### Recommendation:

The Reorganization of the Transportation & Environmental Services Department report is for information.

### Background:

We wish to welcome the Trails Manager and Forestry Technician to the Transportation and Environmental Services Department effective April 1, 2018. The Department has met with the two new members several times to organize how their portfolios will mesh with the current services of the Department. It became apparent very quickly that their expertise will enhance the Department's operations. In the past, the two functions had assisted the Department and in the future we see the two functions fitting seamlessly into the Department's operations.

Many years ago the Department was involved in the CNR Rail Trail and the recent discussions have highlighted that capital obligations on the trails requires enhancement. Ownership responsibilities such as drainage (culverts), fencing, brushing, activity monitoring, and trail bed maintenance to mention a few require consideration for enhanced capital funding. The Department has been briefed on various Forestry related matters and looks forward to merging the resources to move forward.

The Department is in the midst of preparing a revised organizational chart and hopes to have it available in the near future.

### Financial/Staffing/Legal/IT Considerations:

There are no financial, staffing, legal or IT considerations associated with this report.



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Interdepartmental Consultation:

Not Applicable.

Link to Strategic Goals and Elements:

None Identified.

Approved by:

Kelley Coulter  
Chief Administrative Officer