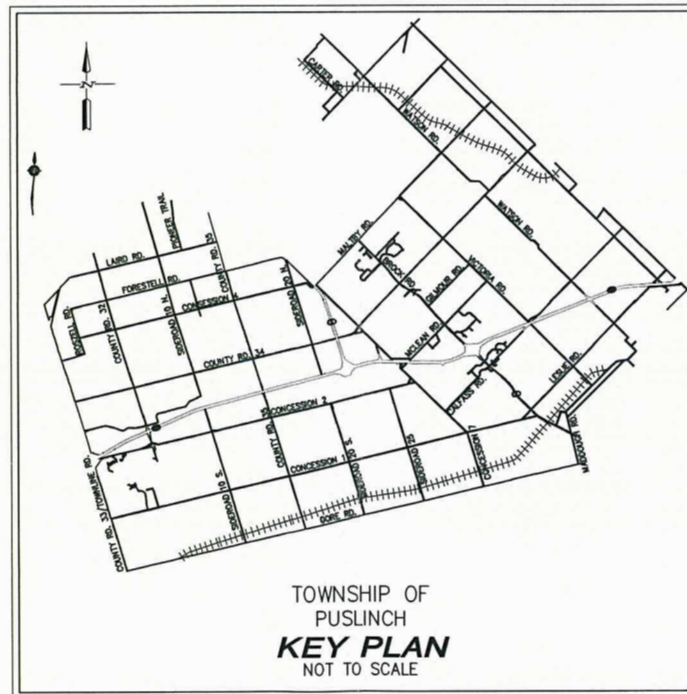


CARROLL POND LESIC-JASSAL MUNICIPAL DRAIN

THE TOWNSHIP OF PUSLINCH

CONTRACT 105-026



INDEX

Dwg. No.	Description	
1	GENERAL PLAN	-
2	WATERSHED AREA PLAN	-
3	CARROLL POND MUN. DRAIN	- 0+000 TO 0+260
4	CARROLL POND MUN. DRAIN	- 0+308.45 TO 0+440
5	CARROLL POND MUN. DRAIN	- 0+400 TO 0+640
6	CARROLL POND MUN. DRAIN	- 0+640 TO 0+900
7	CARROLL POND MUN. DRAIN	- 0+900 TO 1+200
8	CARROLL POND MUN. DRAIN	- 1+200 TO 1+462.279
9	LESIC JASSAL MUN. DRAIN	- 0+000 TO 0+180
10	LESIC JASSAL MUN. DRAIN	- 0+180 TO 0+320
11	SWM POND	- PLAN & SECTION A-A
12	SWM POND	- SECTIONS & DETAILS
13	DETAILS	



ISSUED FOR
CONSTRUCTION



ACCESS TO ST. MARYS FROM MAIN ENTRANCE

LOT 25

ST. MARYS CEMENT INC. CANADA

CARROLL POND MUNICIPAL DRAIN

CONCESSION 7

McLEAN RD. W.

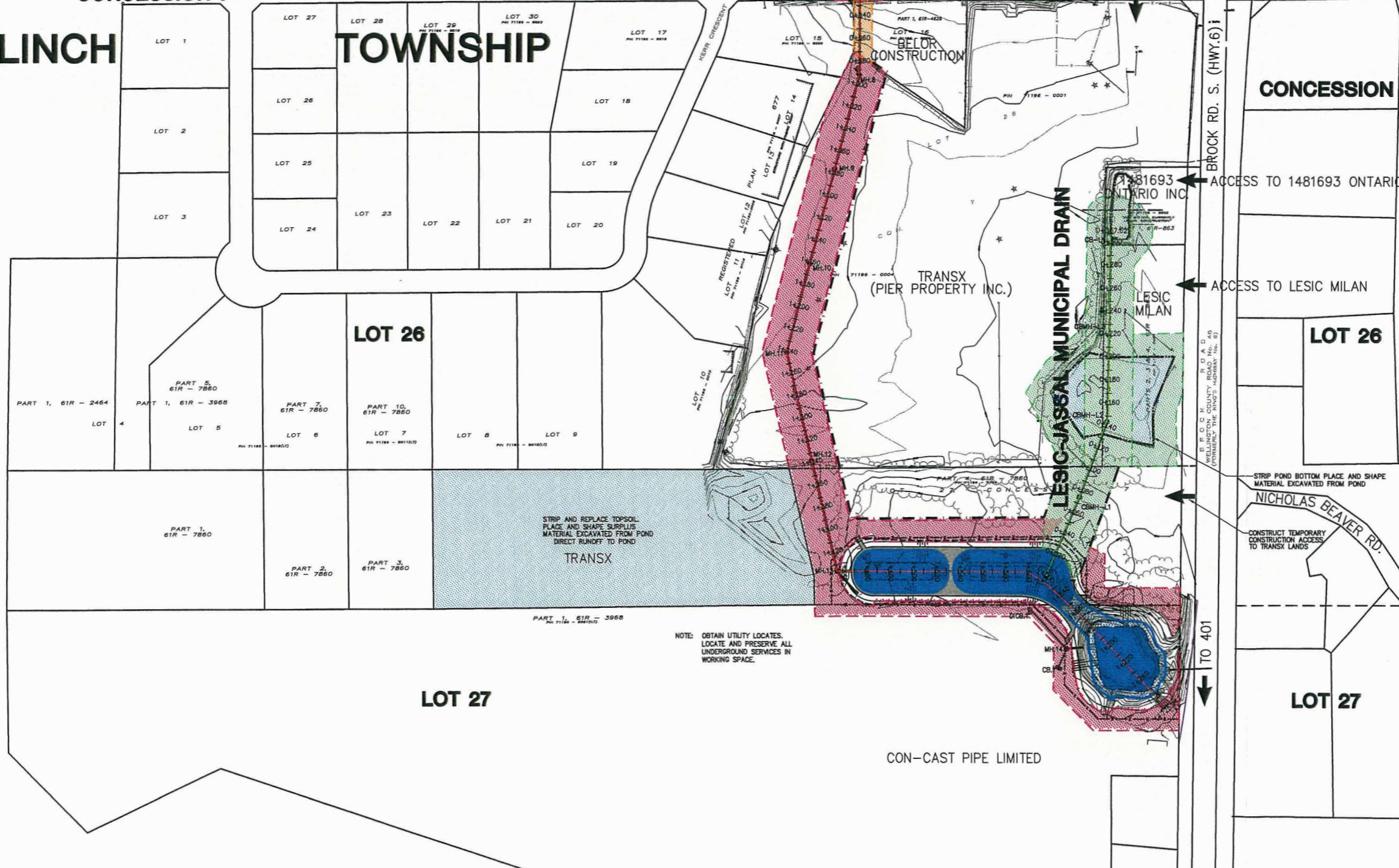
ACCESS TO TRANSX

McLEAN RD. E.

PUSLINCH

TOWNSHIP

CONCESSION 8



- LEGEND :
- PROPERTY LINE
 - STORM SEWER
 - CATCH BASIN
 - CATCH BASIN MANHOLE
 - CARROLL POND MUNICIPAL DRAIN
 - LESIC JASSAL MUNICIPAL DRAIN
 - POND
 - CARROLL POND MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE
 - CARROLL POND MUNICIPAL DRAIN MAINTENANCE SPACE
 - LESIC-JASSAL MUNICIPAL DRAIN MAINTENANCE SPACE
 - FILL AREA LOCATIONS
 - ← APPROXIMATE LOCATION OF PROPERTY ACCESS
 - - - SEDIMENT FENCE TYPE I
 - · - · - SEDIMENT FENCE TYPE II

- BENCH MARKS :
- BM#1 ELEV. = 319.070
DESCRIPTION: CUT CROSS ON OVERPASS OF HWY.401.
 - BM#2 ELEV. = 327.216
DESCRIPTION: DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROOK RD. - TOP OF SE CORNER OF FRONT DOOR.
 - BM#3 ELEV. = 325.305
DESCRIPTION: CONCAST - (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
 - BM#4 ELEV. = 309.443
DESCRIPTION: PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).
- THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



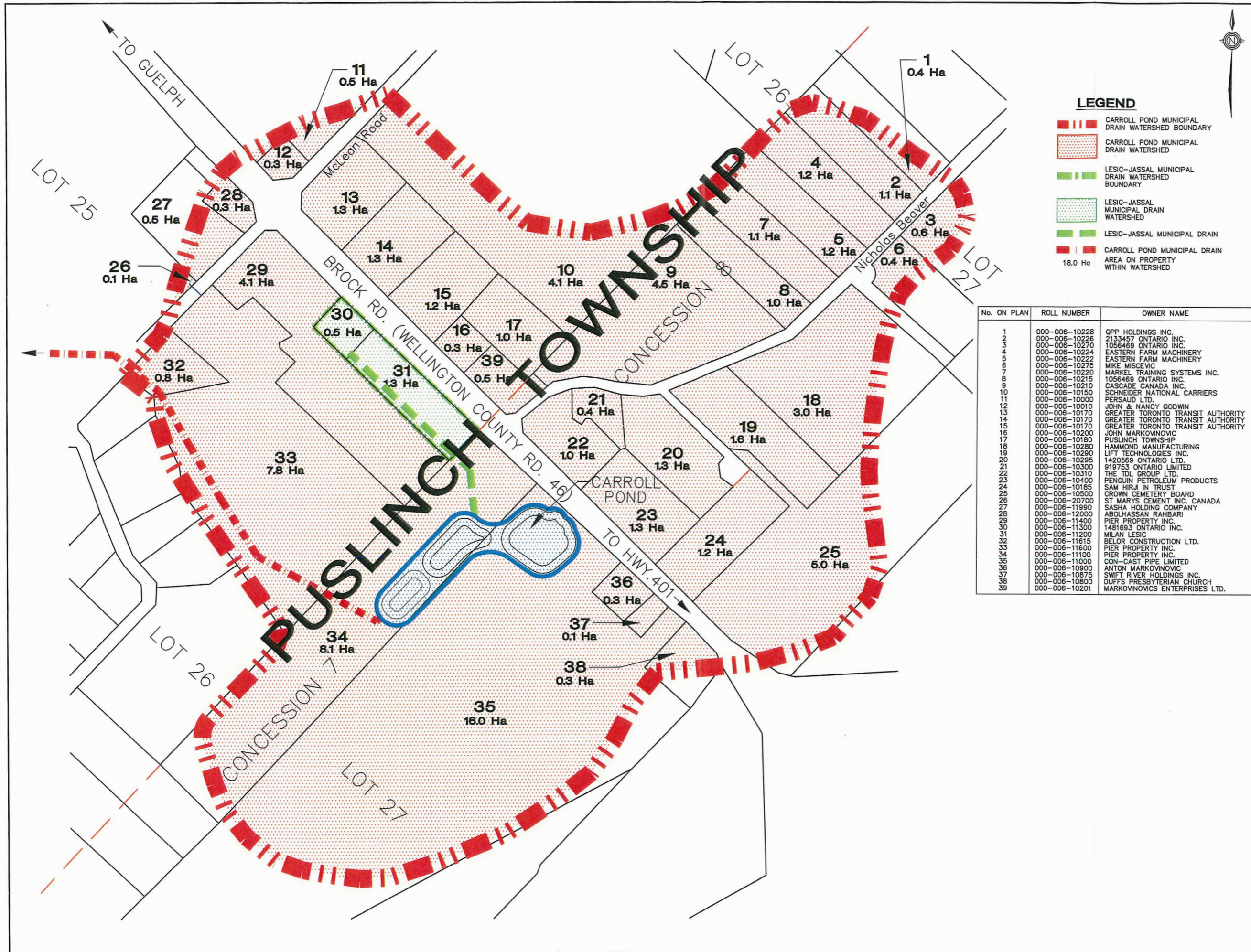
4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS REVISIONS	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.
NO.	MM/DD/YY	MILESTONE	CHK'D

G Gamsby and Mannerow ENGINEERS

CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS
TOWNSHIP OF PUSLINCH

GENERAL PLAN

DRAWN BY :	APPROVED BY :	PROJECT NO. :	DRAWING NO. :
S.C.R.	D.H.G.	105-026	1
DESIGNED BY :	DATE :	SCALE :	
D.H.G.	MARCH 4, 2008	1:2000	



NOTES :

BENCH MARKS :
 BM#1 ELEV. = 319.070
 DESCRIPTION: CUT CROSS ON OVERPASS OF HWY.401.
 BM#2 ELEV. = 327.216
 DESCRIPTION: DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROCK RD. - TOP OF SE CORNER OF FRONT DOOR.
 BM#3 ELEV. = 325.305
 DESCRIPTION: CONCAST - (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
 BM#4 ELEV. = 309.443
 DESCRIPTION: PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).

LEGEND

- CARROLL POND MUNICIPAL DRAIN WATERSHED BOUNDARY
- CARROLL POND MUNICIPAL DRAIN WATERSHED
- LESIC-JASSAL MUNICIPAL DRAIN WATERSHED BOUNDARY
- LESIC-JASSAL MUNICIPAL DRAIN WATERSHED
- LESIC-JASSAL MUNICIPAL DRAIN
- CARROLL POND MUNICIPAL DRAIN
- 18.0 Ha AREA ON PROPERTY WITHIN WATERSHED

No. ON PLAN	ROLL NUMBER	OWNER NAME
1	000-006-10228	QPP HOLDINGS INC.
2	000-006-10226	2133457 ONTARIO INC.
3	000-006-10270	1056469 ONTARIO INC.
4	000-006-10224	EASTERN FARM MACHINERY
5	000-006-10222	EASTERN FARM MACHINERY
6	000-006-10275	MIKE MISCEVIC
7	000-006-10220	MARKEL TRAINING SYSTEMS INC.
8	000-006-10215	1056469 ONTARIO INC.
9	000-006-10210	CASCADE CANADA INC.
10	000-006-10150	SCHNEIDER NATIONAL CARRIERS
11	000-006-10000	PERSAUD LTD.
12	000-006-10010	JOHN & NANCY GODWIN
13	000-006-10170	GREATER TORONTO TRANSIT AUTHORITY
14	000-006-10170	GREATER TORONTO TRANSIT AUTHORITY
15	000-006-10170	GREATER TORONTO TRANSIT AUTHORITY
16	000-006-10200	JOHN MARKOVINOVIC
17	000-006-10180	PUSLINCH TOWNSHIP
18	000-006-10280	HAMMOND MANUFACTURING
19	000-006-10290	LIFT TECHNOLOGIES INC.
20	000-006-10295	1420569 ONTARIO LTD.
21	000-006-10300	919753 ONTARIO LIMITED
22	000-006-10310	THE TDL GROUP LTD.
23	000-006-10400	PENGUIN PETROLEUM PRODUCTS
24	000-006-10185	SAM HIRJI IN TRUST
25	000-006-10500	CROWN CEMETERY BOARD
26	000-006-20700	ST MARYS CEMENT INC. CANADA
27	000-006-11990	SASHA HOLDING COMPANY
28	000-006-12000	ABOLHASSAN RAHBARI
29	000-006-11400	PIER PROPERTY INC.
30	000-006-11300	1481893 ONTARIO INC.
31	000-006-11200	MILAN LESIC
32	000-006-11615	BELOR CONSTRUCTION LTD.
33	000-006-11600	PIER PROPERTY INC.
34	000-006-11100	PIER PROPERTY INC.
35	000-006-11000	CON-CAST PIPE LIMITED
36	000-006-10900	ANTON MARKOVINOVIC
37	000-006-10875	SWIFT RIVER HOLDINGS INC.
38	000-006-10800	DUFFS PRESBYTERIAN CHURCH
39	000-006-10201	MARKOVINOVICS ENTERPRISES LTD.

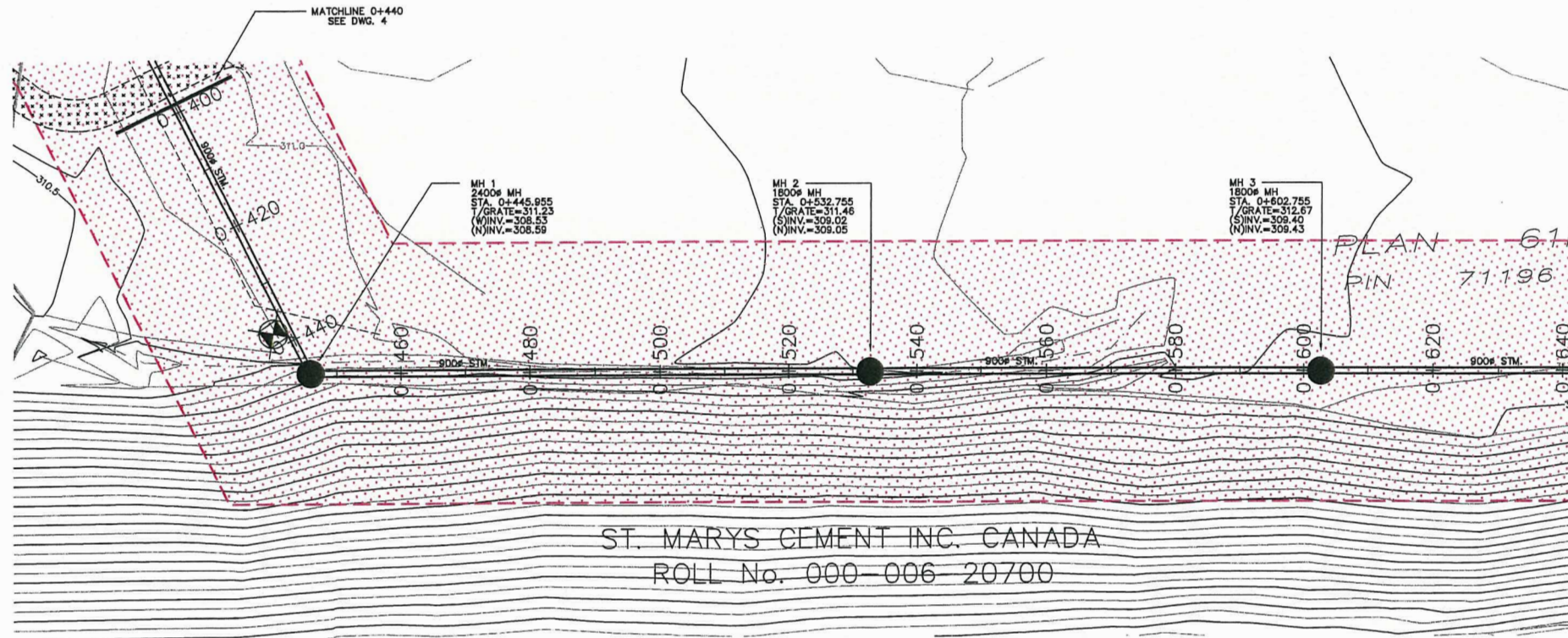


NO.	MM/DD/YY	MILESTONE	CHK'D
4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.05.08	ISSUED FOR TENDER AND MISCELLANEOUS REVISIONS	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.



CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS
TOWNSHIP OF PUSLINCH
CARROLL POND LESIC-JASSAL WATERSHED AREA PLAN

DRAWN BY : R.L.W.	APPROVED BY : D.H.G.	PROJECT NO. : 105-026	DRAWING NO. : 2
DESIGNED BY : D.H.G.	DATE : MARCH 4, 2008	SCALE : 1:2500	



NOTE:
LAYOUT OF ROUTE LOCATION
BY GAMSBY AND MANNEROW
LIMITED IN CONSULTATION
WITH ST. MARYS.

NOTE:
BOREHOLE INFORMATION IS
PROVIDED AS A CONVENIENCE
ONLY AND IS NOT TO BE
RELIED UPON.



LEGEND:

- PROPERTY LINE
- PROP. STORM SEWER
- PROP. CATCH BASIN
- PROP. CATCH BASIN MANHOLE
- CARROLL POND MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE

ST. MARYS CEMENT INC. CANADA
ROLL No. 000-006-20700

BENCH MARKS :

BM#1 ELEV. = 319.070
DESCRIPTION: CUT CROSS ON OVERPASS OF HWY.401.

BM#2 ELEV. = 327.216
DESCRIPTION: DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROCK RD. - TOP OF SE CORNER OF FRONT DOOR.

BM#3 ELEV. = 325.305
DESCRIPTION: CONCAST - (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.

BM#4 ELEV. = 309.443
DESCRIPTION: PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).

THE POSITION OF POLE LINES, CONDUITS, WATERMANS SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



NO.	MM/DD/YY	MILESTONE	CH'KD
4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS REVISIONS	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.



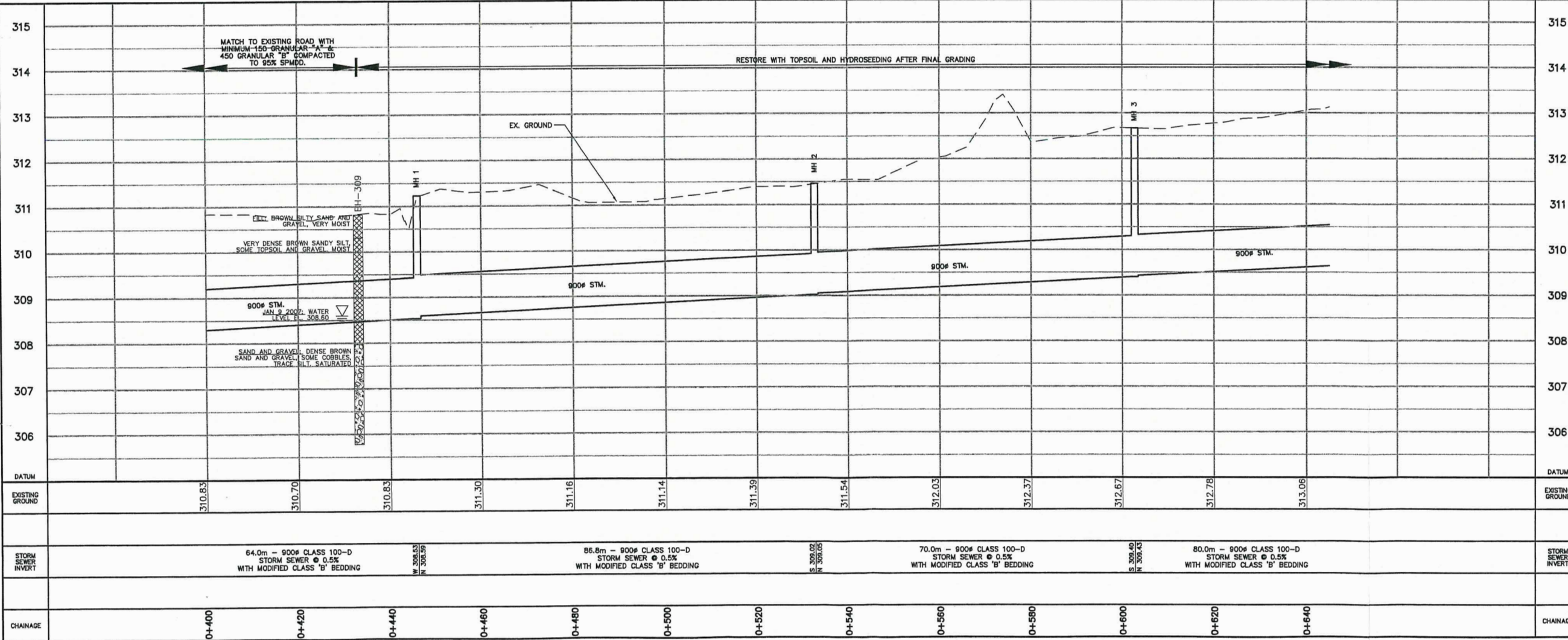
CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS

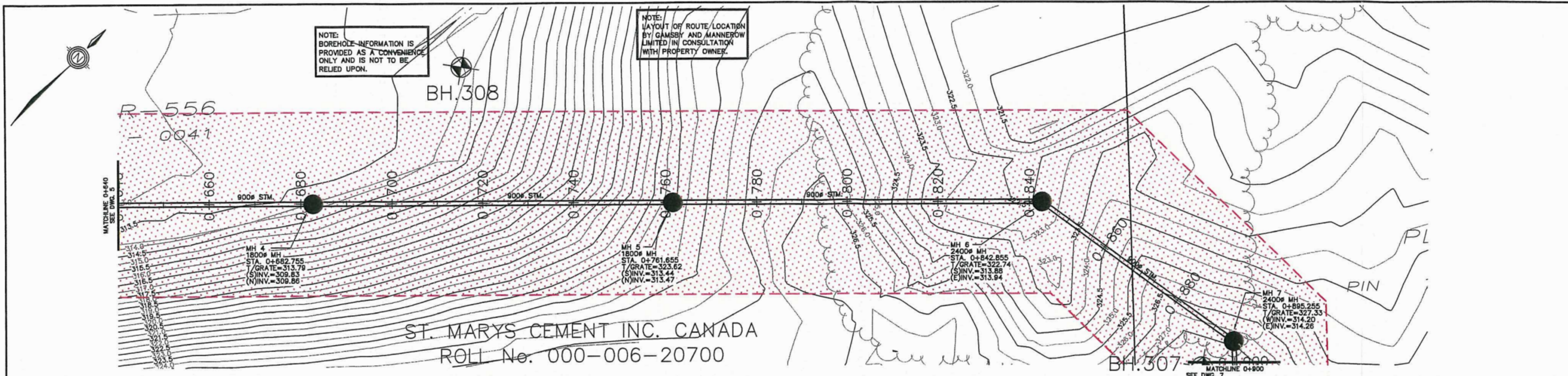
TOWNSHIP OF PUSLINCH

CARROLL POND MUNICIPAL DRAIN STA. 0+400 TO STA. 0+640

DRAWN BY: S.C.R. APPROVED BY: D.H.G. PROJECT NO.: 105-026 DRAWING NO.: 5

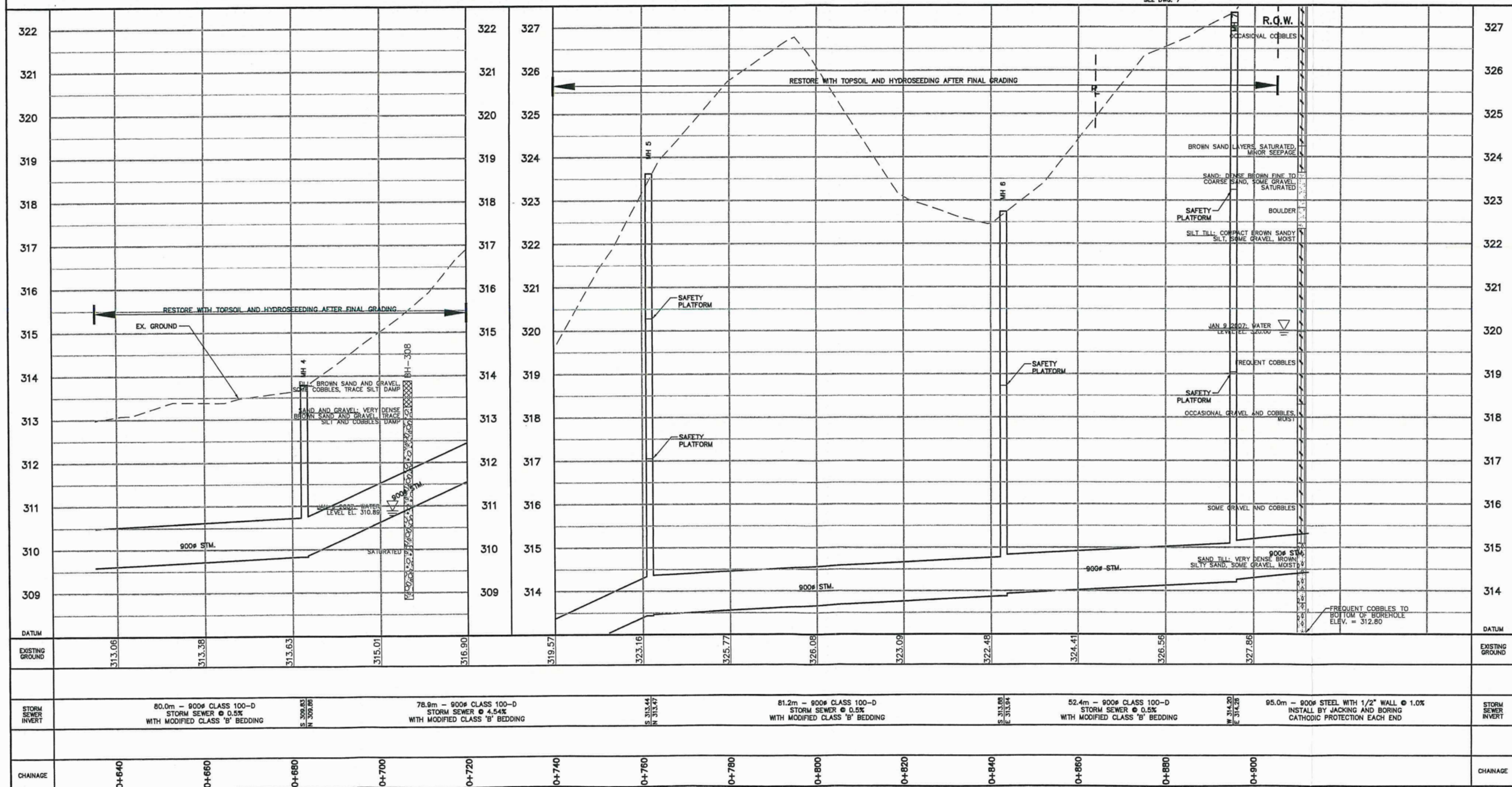
DESIGNED BY: D.H.G. DATE: MARCH 4, 2008 SCALE: 1:500





LEGEND:

- PROPERTY LINE
- PROP. STORM SEWER
- PROP. CATCH BASIN
- PROP. CATCH BASIN MANHOLE
- CARROLL POND MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE



BENCH MARKS :

BM#1	ELEV. = 319.070
DESCRIPTION:	CUT CROSS ON OVERPASS OF HWY.401.
BM#2	ELEV. = 327.216
DESCRIPTION:	DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROCK RD. - TOP OF SE CORNER OF FRONT DOOR.
BM#3	ELEV. = 325.305
DESCRIPTION:	CONCAST - (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
BM#4	ELEV. = 309.443
DESCRIPTION:	PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



NO.	MM/DD/YY	MILESTONE	CH'KD
4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS REVISIONS	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.

Gamsby and Mannerow ENGINEERS

CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS

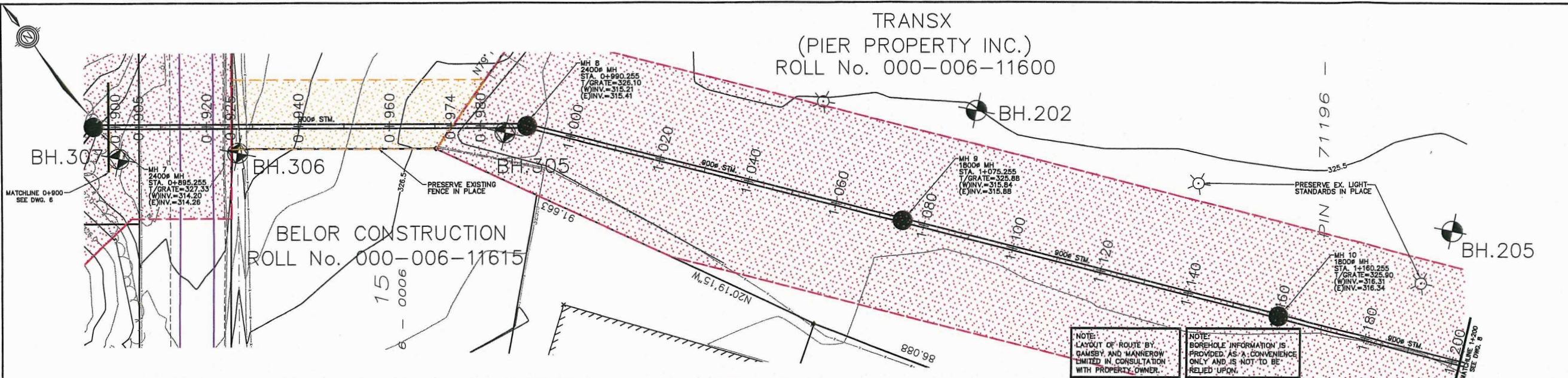
TOWNSHIP OF PUSLINCH

CARROLL POND MUNICIPAL DRAIN STA. 0+640 TO STA. 0+900

DRAWN BY : S.C.R.	APPROVED BY : D.H.G.	PROJECT NO. : 105-026	DRAWING NO. : 6
DESIGNED BY : D.H.G.	DATE : MARCH 4, 2008	SCALE : 1:500	

Plotted On: July 2, 2008 105026-PP4.dwg

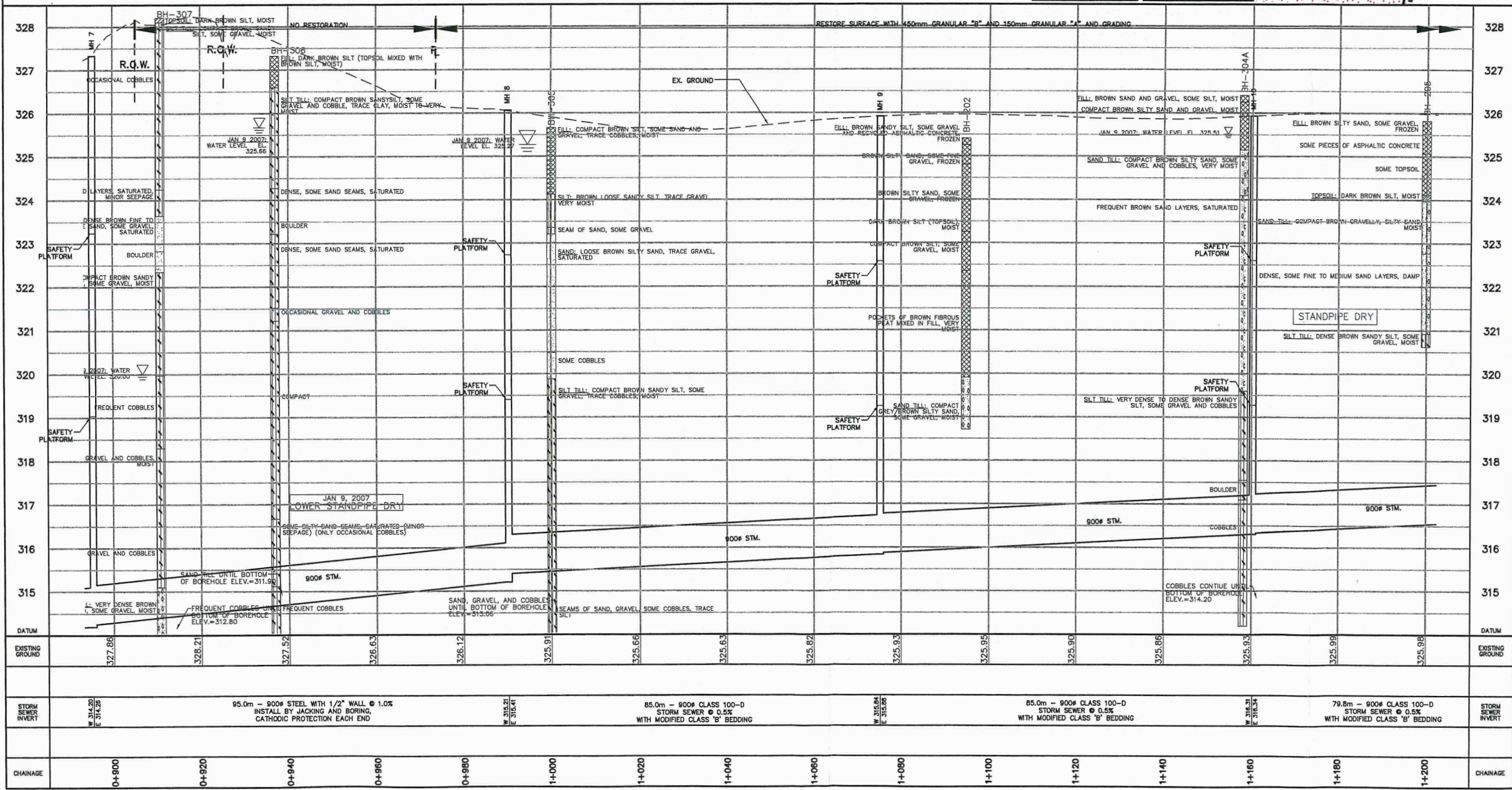
TRANSX
(PIER PROPERTY INC.)
ROLL No. 000-006-11600



- LEGEND:**
- PROPERTY LINE
 - PROP. STORM SEWER
 - PROP. CATCH BASIN
 - PROP. CATCH BASIN MANHOLE
 - CARROLL POND MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE
 - CARROLL POND MUNICIPAL DRAIN MAINTENANCE SPACE

NOTE: LAYOUT OF ROUTE BY GANSBY AND MANNEROW LIMITED IN CONSULTATION WITH PROPERTY OWNER.

NOTE: BOREHOLE INFORMATION IS PROVIDED AS A CONVENIENCE ONLY AND IS NOT TO BE RELIED UPON.



- BENCH MARKS:**
- BM#1 ELEV. = 319.070
DESCRIPTION: CUT CROSS ON OVERPASS OF HWY.401.
 - BM#2 ELEV. = 327.216
DESCRIPTION: DUFF'S PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROCK RD. - TOP OF SE CORNER OF FRONT DOOR.
 - BM#3 ELEV. = 325.305
DESCRIPTION: (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
 - BM#4 ELEV. = 309.443
DESCRIPTION: PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



NO.	DATE	MILESTONE	CHK'D
4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS REVIEW	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.



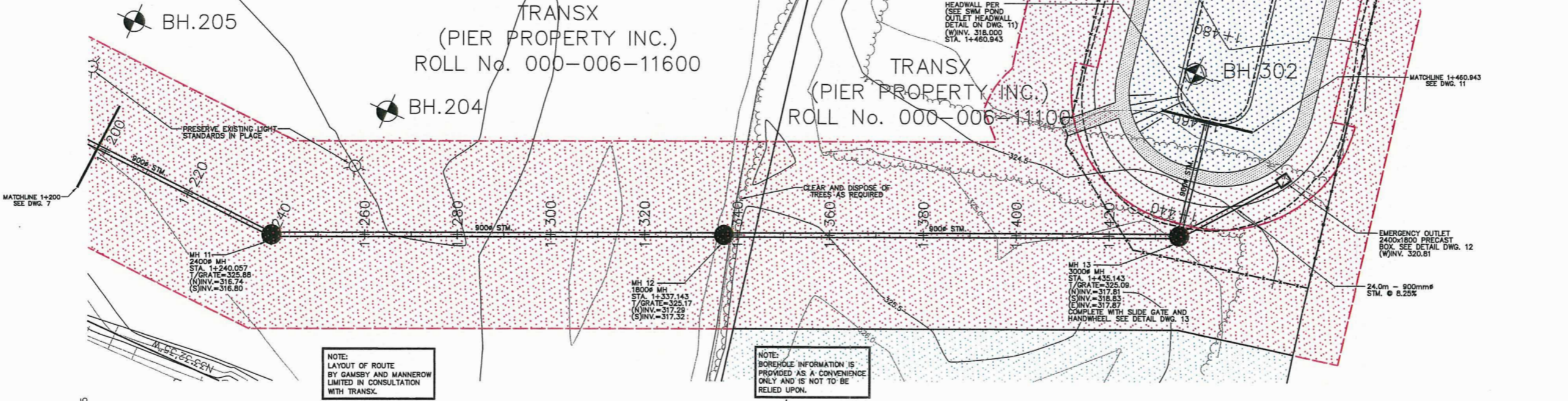
CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS

TOWNSHIP OF PUSLINCH

CARROLL POND MUNICIPAL DRAIN
STA. 0+900 TO STA. 1+200

DRAWN BY: S.C.R.	APPROVED BY: D.H.G.	PROJECT NO.:	DRAWING NO.:
		105-026	7
DESIGNED BY: D.H.G.	DATE: MARCH 4, 2008	SCALE: 1:500	

Plotted On: July 2, 2008 105026-PP5.dwg



- LEGEND:**
- PROPERTY LINE
 - PROP. STORM SEWER
 - PROP. CATCH BASIN
 - PROP. CATCH BASIN MANHOLE
 - ▭ POND
 - ▭ CARROLL POND MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE

- BENCH MARKS :**
- BM#1 ELEV. = 319.070
DESCRIPTION: CUT CROSS ON OVERPASS OF HWY.401.
 - BM#2 ELEV. = 327.216
DESCRIPTION: DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROCK RD. - TOP OF SE CORNER OF FRONT DOOR.
 - BM#3 ELEV. = 325.305
DESCRIPTION: CONCAST - (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
 - BM#4 ELEV. = 309.443
DESCRIPTION: PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).
- THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS REVISIONS	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.
NO.	MM/DD/YY	MILESTONE	CHK'D



CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS

TOWNSHIP OF PUSLINCH

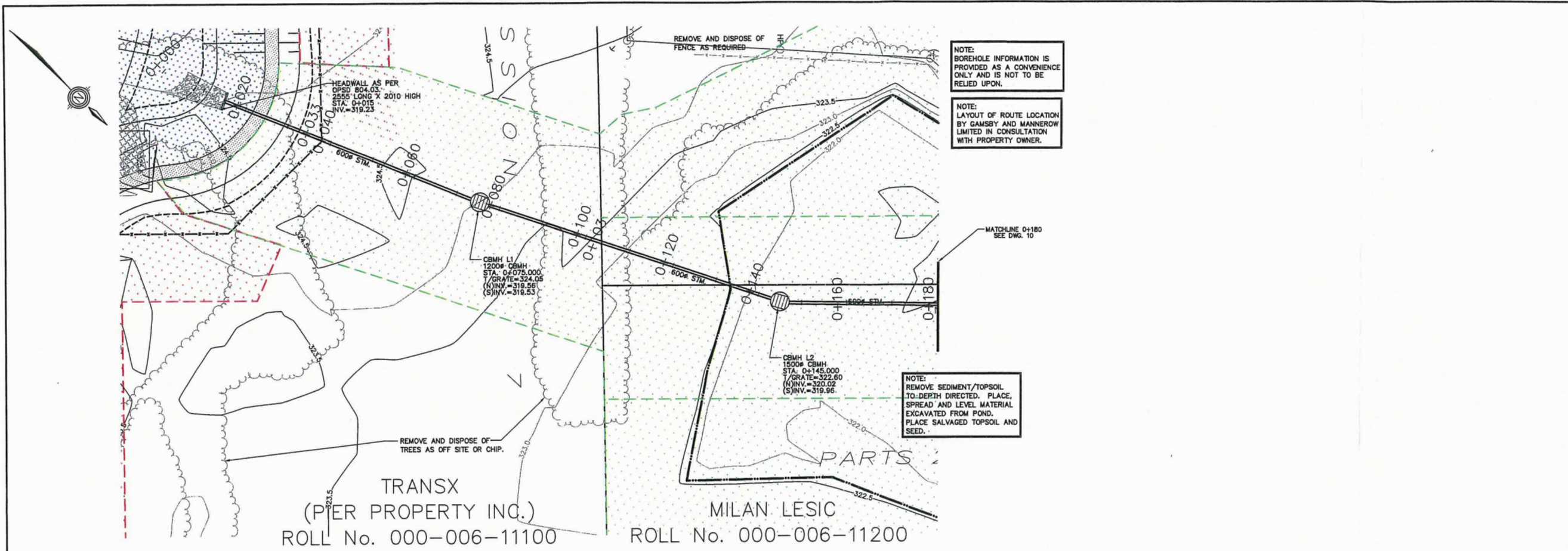
CARROLL POND MUNICIPAL DRAIN STA 1+200 TO STA. 1+460.943

DRAWN BY: S.C.R. APPROVED BY: D.H.G. PROJECT NO.: 105-026 DRAWING NO.: 8

DESIGNED BY: D.H.G. DATE: MARCH 4, 2008 SCALE: 1:500

Plotted On: July 2, 2008 105026-PP8.dwg

326	RESTORE SURFACE WITH 450mm GRANULAR "B" AND 150mm GRANULAR "A" AND GRADING										326				
325	RESTORE WITH TOPSOIL AND HYDROSEEDING										325				
324	EX. GROUND										324				
323	TOPSOIL: DARK BROWN SILT, MOIST										323				
322	SILT TILL: COMPACT BROWN SILT, SOME SAND, CLAY AND GRAVEL, VERY MOIST TO WET										322				
321	SOME SAND SEAMS, VERY MOIST										321				
320	SAND LAYERS, SATURATED (SEEPAGE)										320				
319	900# STM.										319				
318	SAND TILL: VERY DENSE BROWN SILT, SOME SAND AND GRAVEL, MOIST										318				
317	900# STM. JAN. 9 2007. WATER LEVEL EL. 317.23										317				
DATUM	DATUM										DATUM				
EXISTING GROUND	325.96	325.93	325.81	325.58	325.45	325.14	325.10	325.42	325.47	325.19	324.95	325.05	324.78	323.86	EXISTING GROUND
STORM SEWER INVERT	79.8m - 900# CLASS 100-D STORM SEWER @ 0.5% WITH MODIFIED CLASS 'B' BEDDING			97.0m - 900# CLASS 100-D STORM SEWER @ 0.5% WITH MODIFIED CLASS 'B' BEDDING				98.0m - 900# CLASS 100-D STORM SEWER @ 0.5% WITH MODIFIED CLASS 'B' BEDDING			25.8m - 900# TYPE 100-D STORM SEWER @ 0.5% WITH MODIFIED CLASS 'B' BEDDING			STORM SEWER INVERT	
CHAINAGE	1+200	1+220	1+240	1+260	1+280	1+300	1+320	1+340	1+360	1+380	1+400	1+420	1+440	1+460	CHAINAGE



LEGEND:

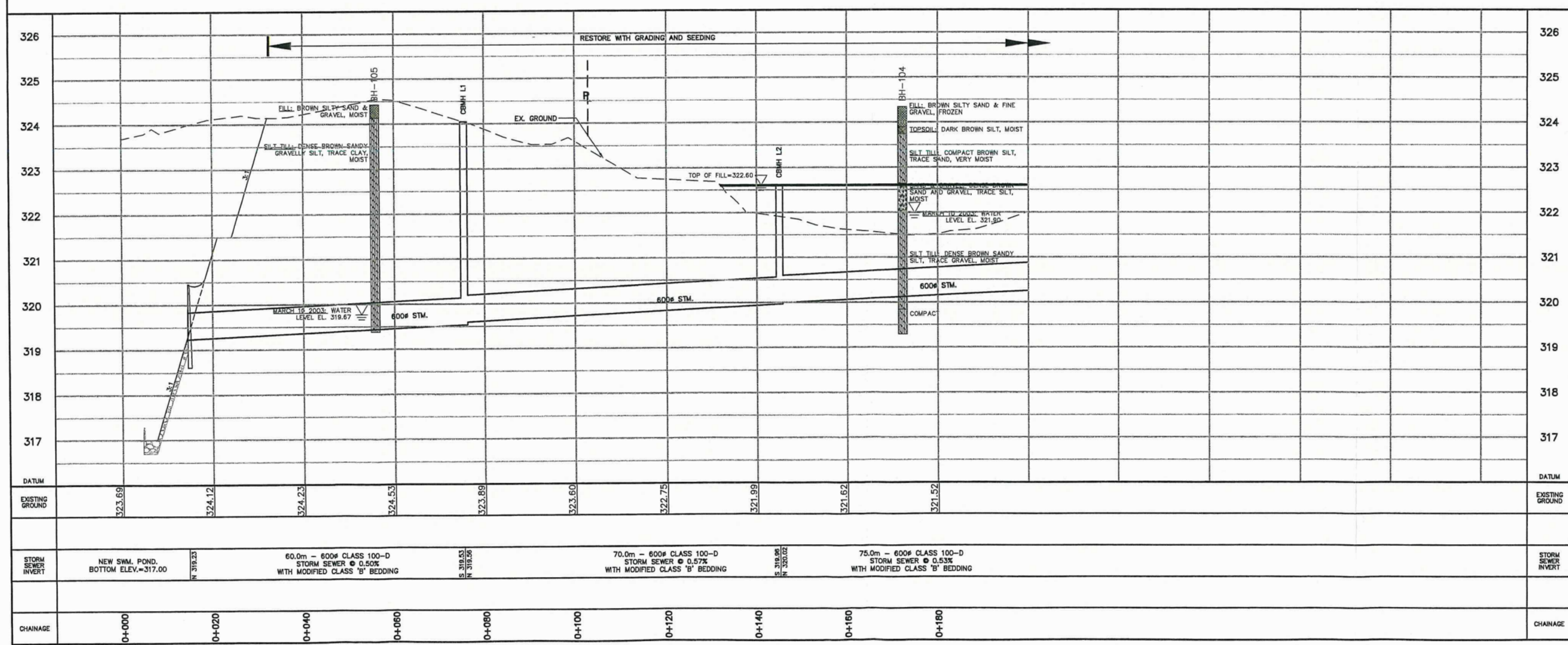
- PROPERTY LINE
- PROP. STORM SEWER
- PROP. CATCH BASIN
- PROP. CATCH BASIN MANHOLE
- POND
- LESIC-JASSAL MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE
- FILL AREA LOCATIONS AND WORKING SPACE
- CARROLL POND MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE

BENCH MARKS :

BM#1	ELEV. = 319.070
DESCRIPTION:	CUT CROSS ON OVERPASS OF HWY.401.
BM#2	ELEV. = 327.216
DESCRIPTION:	DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROCK RD. - TOP OF SE CORNER OF FRONT DOOR.
BM#3	ELEV. = 325.305
DESCRIPTION:	CONCAST - (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
BM#4	ELEV. = 309.443
DESCRIPTION:	PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



REGISTERED PROFESSIONAL ENGINEER
D.H. GRAHLMAN
PROVINCE OF ONTARIO

NO.	MM/DD/YY	MILESTONE	CH/VD
5	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
4	07.02.08	ADDENDUM No. 1	D.H.G.
3	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS CHANGES	D.H.G.
2	04.30.08	CHANGED ROUTE	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.

Gamsby and Mannerow ENGINEERS

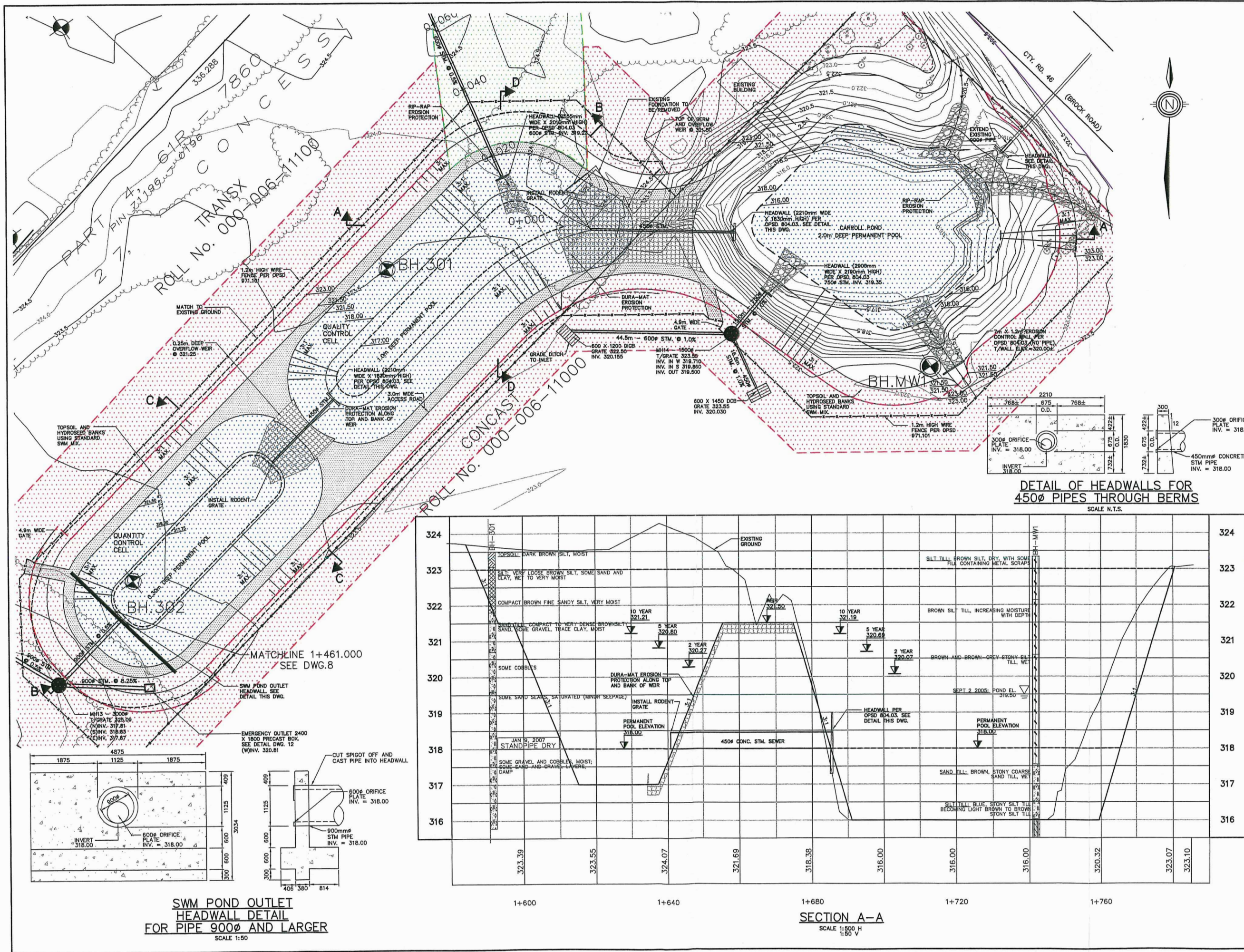
CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS

TOWNSHIP OF PUSLINCH

LESIC JASSAL MUNICIPAL DRAIN STA. 0+000 TO STA. 0+180

DRAWN BY:	APPROVED BY:	PROJECT NO.:	DRAWING NO.:
S.C.R.	D.H.G.	105-026	9
DESIGNED BY:	DATE:	SCALE:	
D.H.G.	MARCH 4, 2008	1:1000	

Printed On: July 2, 2008 105026-PP7.dwg

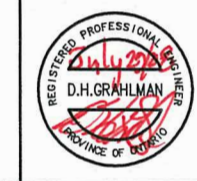


- NOTES :
- POND
 - CARROLL POND MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE
 - LESIC-JASSAL MUNICIPAL DRAIN WORKING AND MAINTENANCE SPACE

- BENCH MARKS :
- BM#1 ELEV. = 319.070
DESCRIPTION: CUT CROSS ON OVERPASS OF HWY.401.
 - BM#2 ELEV. = 327.216
DESCRIPTION: DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROOK RD. - TOP OF SE CORNER OF FRONT DOOR.
 - BM#3 ELEV. = 325.305
DESCRIPTION: CONCAST - (WHITE 1 1/2 STOREY BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
 - BM#4 ELEV. = 309.443
DESCRIPTION: PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS REVISIONS	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.

Gamsby and Mannerow ENGINEERS

CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS

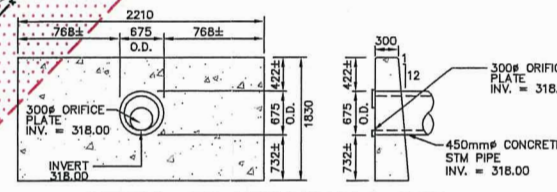
TOWNSHIP OF PUSLINCH

SWM POND

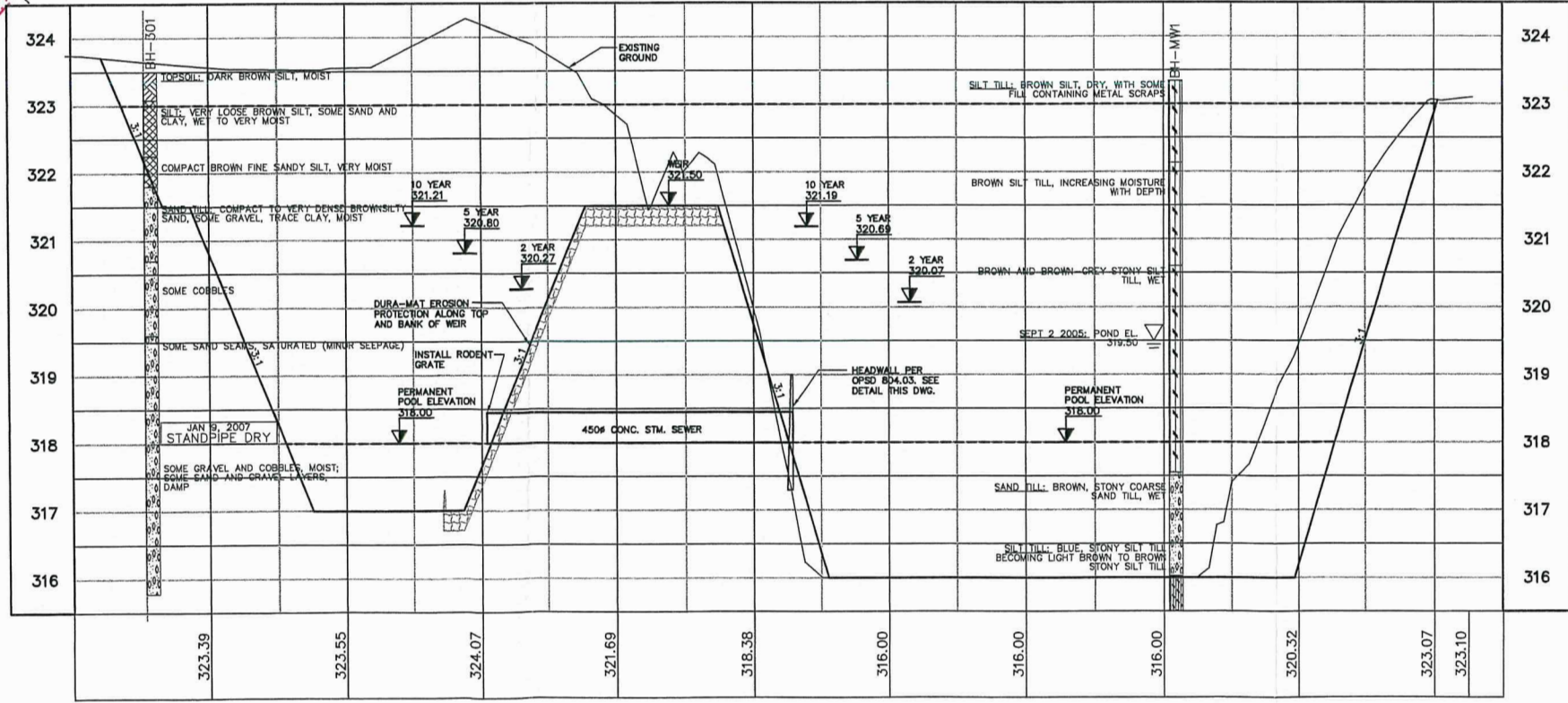
PLAN & SECTION A-A

DRAWN BY : S.C.R.	APPROVED BY : S.E.A.	PROJECT NO. : 105-026	DRAWING NO. : 11
DESIGNED BY : S.E.A.	DATE : MARCH 4, 2008	SCALE : 1:500	

Printed On: July 2, 2008 105026030.dwg

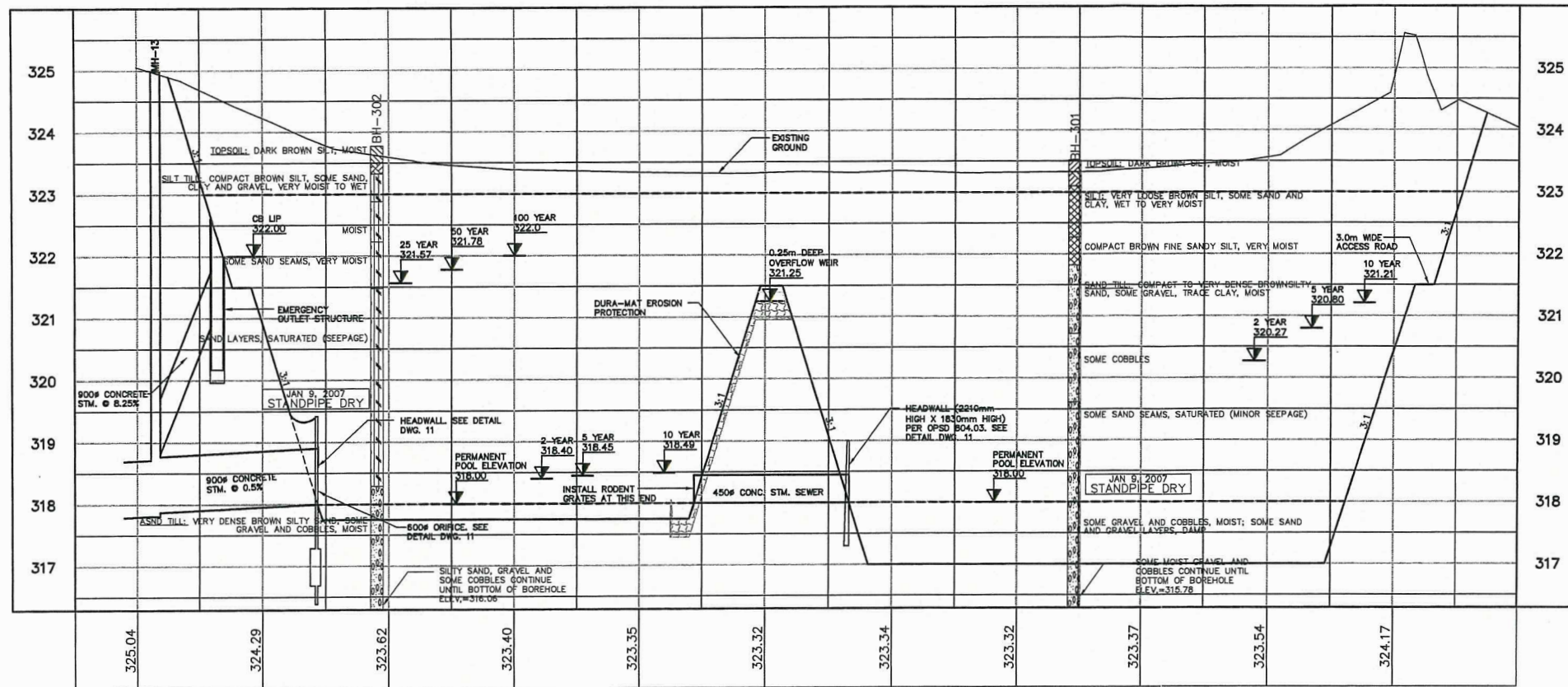


DETAIL OF HEADWALLS FOR 450mm PIPES THROUGH BERMS
SCALE N.T.S.

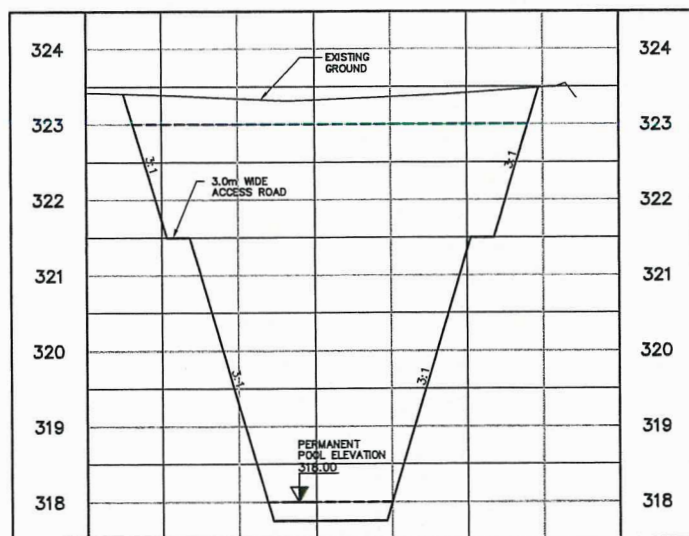


SECTION A-A
SCALE 1:500 H
1:50 V

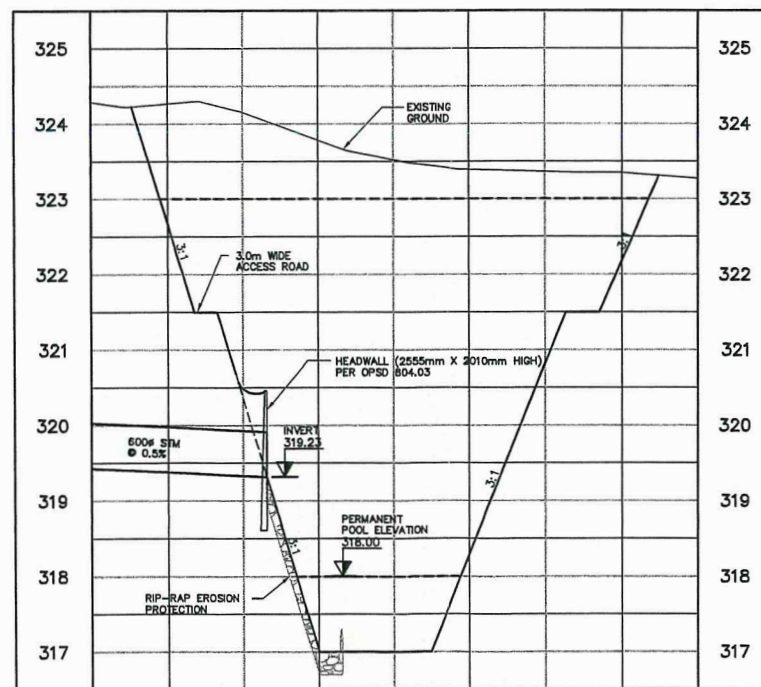
SWM POND OUTLET HEADWALL DETAIL FOR PIPE 900mm AND LARGER
SCALE 1:50



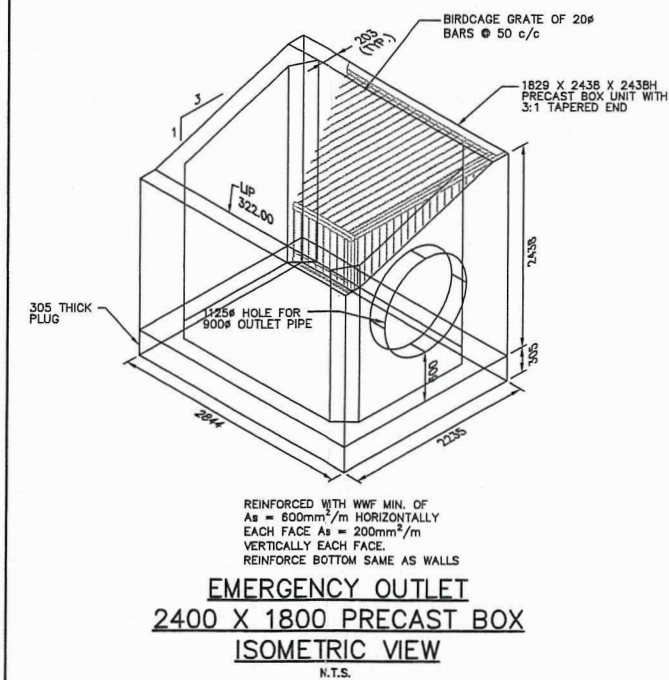
SECTION B-B
SCALE 1:500 H
1:50 V



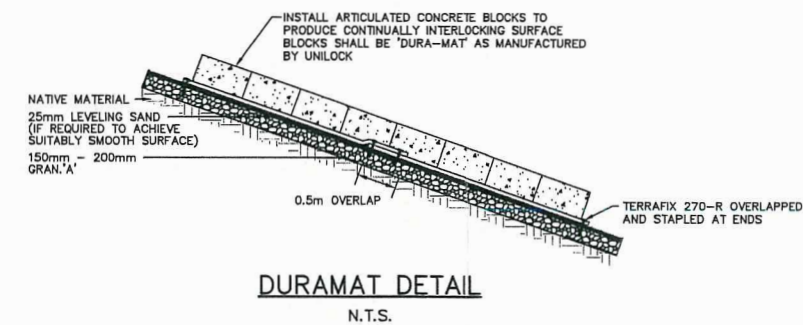
SECTION C-C
STA. 1+180.500
SCALE 1:500 H
1:50 V



SECTION D-D
STA. 1+280.800
SCALE 1:500 H
1:50 V



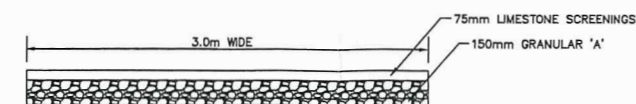
EMERGENCY OUTLET
2400 X 1800 PRECAST BOX
ISOMETRIC VIEW
N.T.S.



DURAMAT DETAIL
N.T.S.

LIST OF HEADWALLS

	LOCATION	LENGTH(mm)	HEIGHT(mm)
CARROLL POND DRAIN	STA.0+308.46	4875	3034
	STA.1+461.0	4875	3034
	STA.1+545	2210	1830
	STA.1+676	2210	1830
LESIC-JASSAL DRAIN	STA.0+015	2555	2010
SWM POND	OUTLET 900# CSP.	4875	3034
	OUTLET 750# C.P.	2900	2190
	EROSION CONTROL WALL	7000	1200



ACCESS ROAD DETAIL
N.T.S.



NOTES :

BENCH MARKS :
 BM#1 ELEV. = 319.070
 DESCRIPTION: CUT CROSS ON OVERPASS OF HWY.401.
 BM#2 ELEV. = 327.216
 DESCRIPTION: DUFFS PRESBYTERIAN CHURCH - N SIDE OF HWY.401 - W SIDE OF BROOK RD. - TOP OF SE CORNER OF FRONT DOOR.
 BM#3 ELEV. = 325.305
 DESCRIPTION: CONCAST - (WHITE 1 1/2 STORE BRICK HOUSE) TOP OF NE CORNER OF FRONT DOOR SILL.
 BM#4 ELEV. = 309.443
 DESCRIPTION: PLAQUE IN FOUNDATION OF N WALL OF HOUSE #4421 (RED BRICK BUNGALOW).
 THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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 ANY DAMAGE TO THEM.



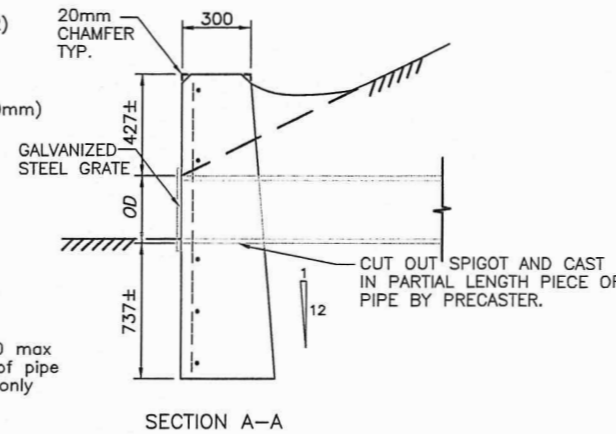
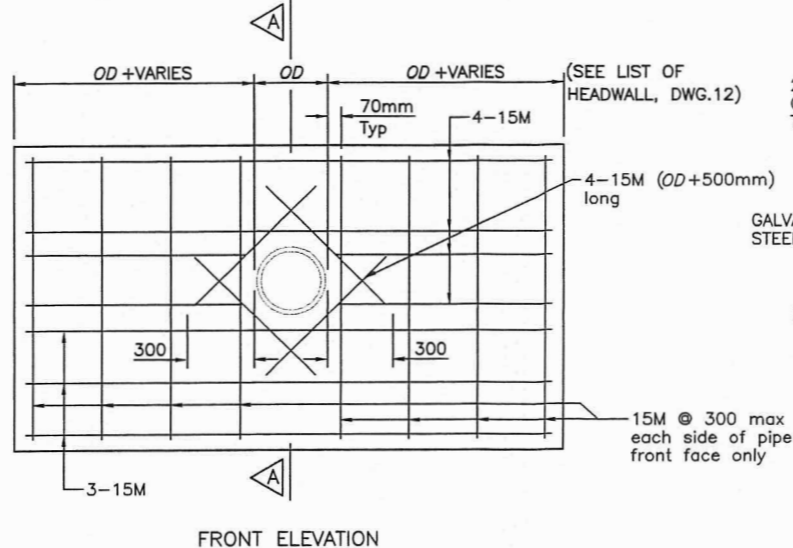
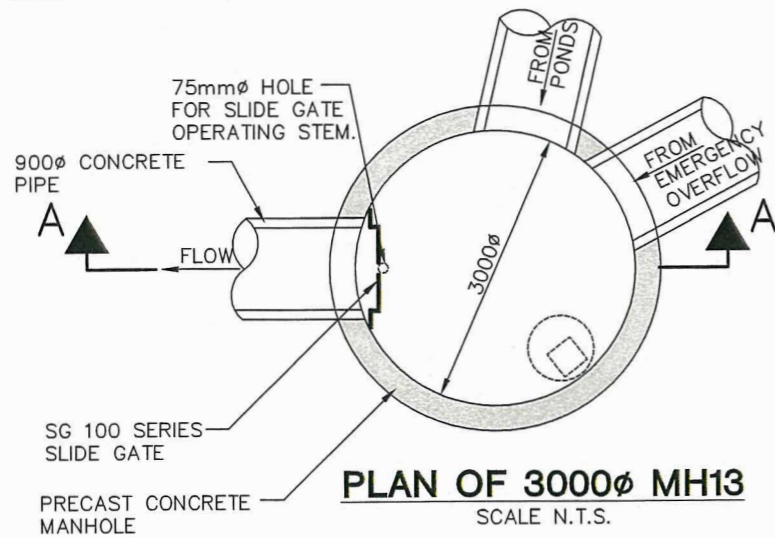
NO.	MM/DD/YY	MILESTONE	CHK'D
4	07.28.08	ISSUED FOR CONSTRUCTION AND HEADWALL DIMENSIONS	D.H.G.
3	07.02.08	ADDENDUM No. 1	D.H.G.
2	06.06.08	ISSUED FOR TENDER AND MISCELLANEOUS REVISIONS	D.H.G.
1	03.04.08	FINAL REPORT	D.H.G.



CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS
TOWNSHIP OF PUSLINCH
SWM POND

SECTIONS AND DETAILS

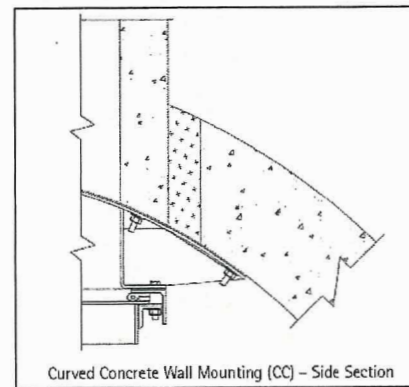
DRAWN BY :	APPROVED BY :	PROJECT NO. :	DRAWING NO. :
S.C.R.	S.E.A.	105-026	12
DESIGNED BY :	DATE :	SCALE :	
S.E.A.	MARCH 4, 2008	1:500	



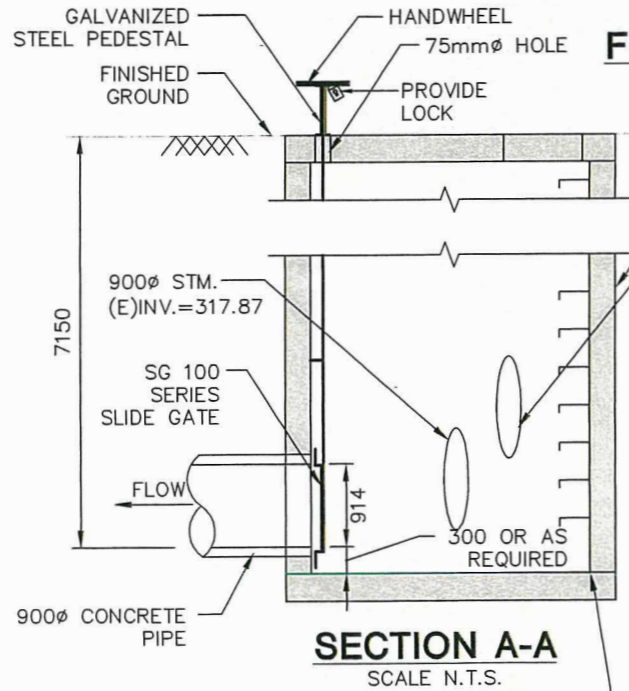
NOTES:
OD - Outside Diameter of pipe
A A steel grate is required, refer to OPSD-804.05.
B Class of concrete: 40MPa
C Cover to reinforcing bars 50 ± 10mm.
D All dimensions are in millimetres or metres unless otherwise shown.



NOTES:



CONCRETE HEADWALL FOR PIPE SMALLER THAN 900Ø
SCALE N.T.S.



3000mmØ PRECAST CONCRETE MANHOLE
900Ø STM. (S) INV.=318.83

BENCHING AS PER OPSD 701.021 AND MODIFIED AS NECESSARY TO ACCOMMODATE SLIDE GATE.

BACKFILL COMPACTION AND RESTORATION CHART:
Carroll Pond Municipal Drain

Location	Backfill	Compaction (Note 1)	Restoration
St. Marys Sta. 0+308 to Sta. 0+446	Native, above pipe bedding and cover then 450mm granular 'B' and 150mm of granular 'A'	95% SPMD native mat 100% SPMD gran. 'A&B'	Fine grading of granular 'A' at time of construction. Make good settlement, with granular 'A' and fine grade at end of maintenance period.
Sta. 0+446 to Sta. 0+900	Native, above pipe bedding and cover	None	Grading and grass seed at time of construction. Make good settlement, regrade and sow grass seed at end of guaranteed maintenance period.
TransX Sta. 0+914 to Sta. 1+343	Native, above pipe bedding and cover then 450mm granular 'B' and 150mm of granular 'A'	95% SPMD native mat 100% SPMD gran. 'A&B'	Fine grading of granular 'A' at time of construction. Make good settlement, with granular 'A' and fine grade at end of maintenance period.
Sta. 1+343 to Pond	Native, above pipe bedding and cover	None	Grading and grass seed at time of construction. Make good settlement, regrade and sow grass seed at end of guaranteed maintenance period.

Note 1: In all cases pipe cover to be compacted to requirements of OPSS 514.

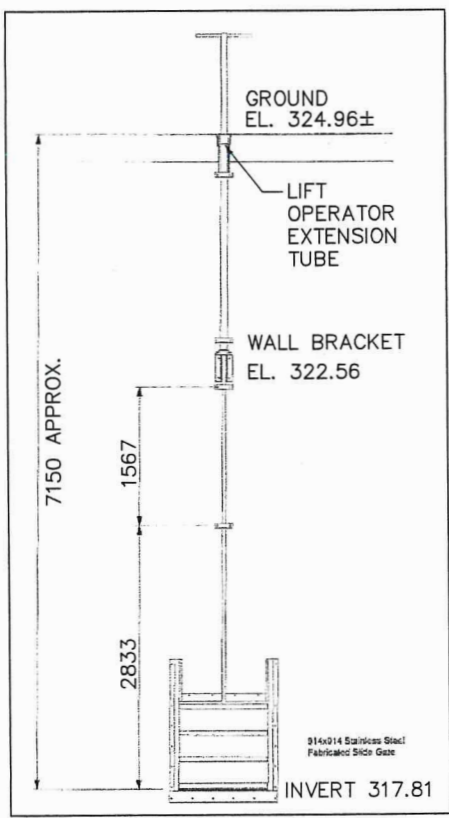
BACKFILL COMPACTION AND RESTORATION CHART:
Lessic-Jassal Municipal Drain

Location	Backfill	Compaction (Note 1)	Restoration
TransX Sta. 0+032 to Sta. 0+116	Native, above pipe bedding and cover	None	Grading and grass seed at time of construction. Make good settlement, regrade and sow grass seed at end of guaranteed maintenance period.
Lesic Sta. 0+116 to Sta. 0+320	Native, above pipe bedding and cover	None	Grading and grass seed at time of construction. Make good settlement, regrade and sow grass seed at end of guaranteed maintenance period.

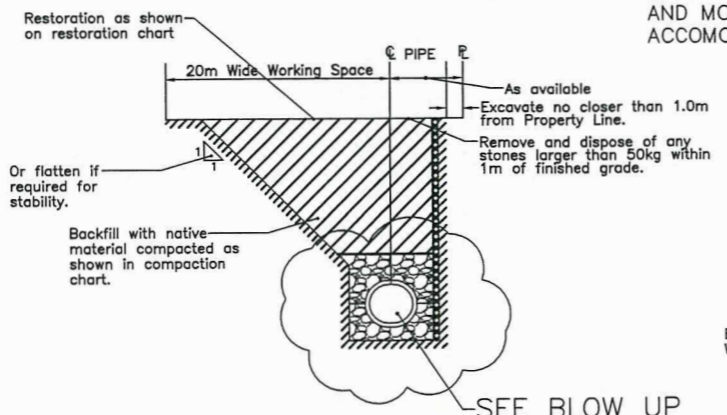
Note 1: In all cases pipe cover to be compacted to requirements of OPSS 514.

BENCH MARKS :

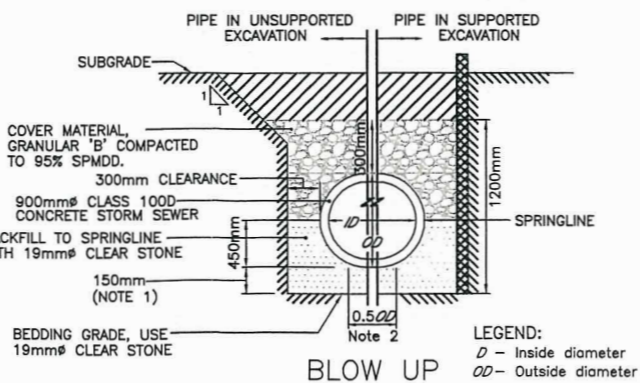
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR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



914X914 SLIDE GATE
SCALE N.T.S.

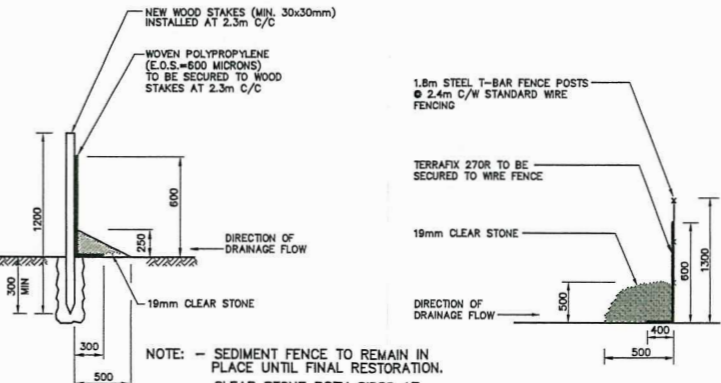


NOTES:
1 In no case shall this dimension be less than 150mm or greater than 300mm.
2 The pipe bed shall be shaped to receive the bottom of the pipe.
3 Condition of trench is symmetrical about centreline of pipe.
A Soil types as defined in the Health & Safety Act and Regulations for Construction Projects.
B Protection against heavy construction equipment according to OPSD-808.010.
C All dimensions are in millimetres or metres unless otherwise shown.



MODIFIED CLASS "B" BEDDING FOR RIGID PIPE
SCALE N.T.S.

THE CONTRACTOR SHALL DETERMINE FOR THEMSELVES THE TYPE OF SOIL TO BE ENCOUNTERED AND PLAN ACCORDINGLY.



SEDIMENT FENCE TYPE No. 1
N.T.S.

SEDIMENT FENCE TYPE No. 2
N.T.S.

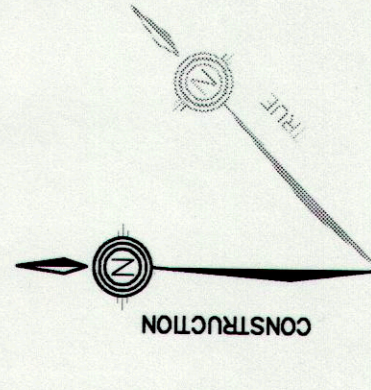


CARROLL POND LESIC-JASSAL MUNICIPAL DRAINS

TOWNSHIP OF PUSLINCH

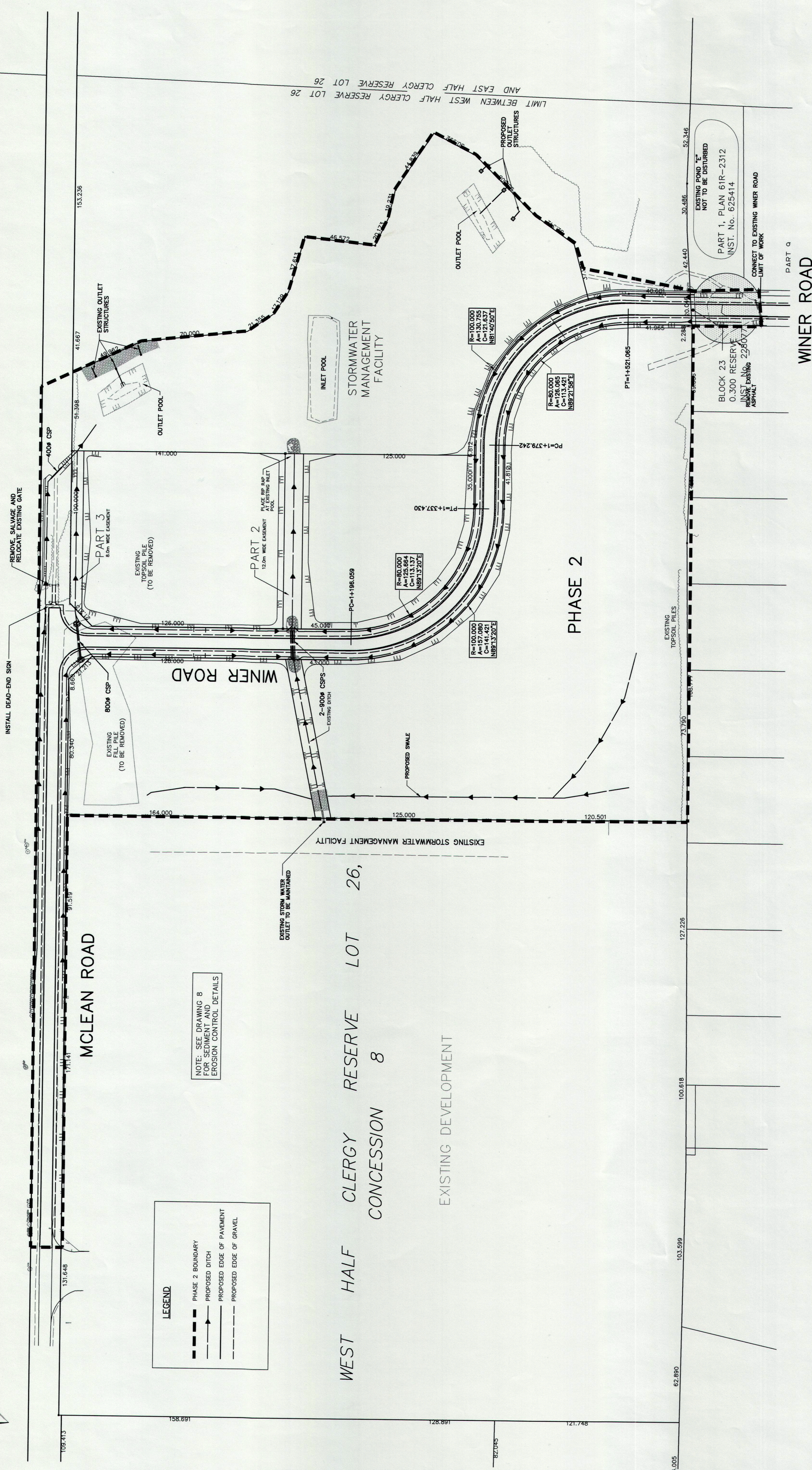
DETAILS

DRAWN BY : R.L.W.	APPROVED BY : D.H.G.	PROJECT NO. : 105026	DRAWING NO. : 13
DESIGNED BY : D.H.G.	DATE : MARCH 4, 2008	SCALE : AS NOTED	



WEST HALF CLERGY RESERVE LOT 25, CONCESSION 8

WEST HALF CLERGY RESERVE LOT 26, CONCESSION 8



LEGEND

- PHASE 2 BOUNDARY
- - - PROPOSED DITCH
- PROPOSED EDGE OF PAVEMENT
- - - PROPOSED EDGE OF GRAVEL

NOTE: SEE DRAWING 8 FOR SEDIMENTATION AND EROSION CONTROL DETAILS

NOTES :

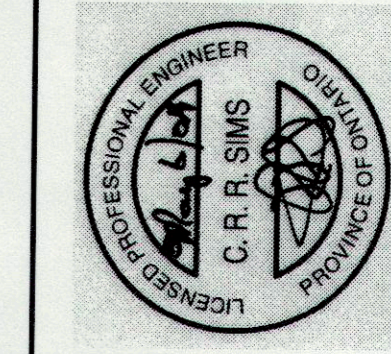
- 1.) TOPOGRAPHIC SURVEY COMPLETED BY GANSBY AND MANNEROW LIMITED - JULY 10/2003
- 2.) LEGAL BOUNDARY INFORMATION OBTAINED FROM PLAN 88-5810-S PREPARED BY BSRD JULY 10/1995

BENCH MARKS :

B.M. - ELEV. 326.637
 NAIL AND WASHER IN THE NORTHEAST FACE OF HYDRO POLE AT THE SOUTHWEST CORNER OF THE INTERSECTION OF MCLEAN ROAD AND BROOK ROAD (COUNTY RD. #46)

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, UTILITY LINES, AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE NECESSARY, A CHECK OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL VERIFY THE POSITION OF ALL UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE DONE TO THEM.

NO.	DATE	REVISION DESCRIPTION	CHECKED
8	05/05/04	RE-ISSUED FOR CONSTRUCTION	C.R.S.
7	05/04/04	REVISED AREA GRADING AND ROAD PROFILES	C.R.S.
6	04/22/04	ISSUED FOR CONSTRUCTION	C.R.S.
5	04/08/04	ISSUED FOR FINAL APPROVAL	C.R.S.
4	04/07/04	REVISED TO TOWNSHIP COMMENTS	G.E.A.
3	03/04/04	REVISED TO TOWNSHIP COMMENTS	G.E.A.
2	02/04/04	REVISED ROAD GRADE AND LOT ELEVATIONS	G.E.A.



ABERFOYLE BUSINESS PARK
PHASE II
TOWNSHIP OF PUSLINCH
GENERAL PLAN

GAMSBY AND MANNEROW LIMITED
 CONSULTING PROFESSIONAL ENGINEERS

CAMBY ENGINEERING
 OWEN SOUND LISTOWEL

DRAWN BY: S.E.O./J.R.S. PROJECT NO.: 03.167 DRAWING NO.: 1
 APPROVED BY: C.U.L.P.H. DATE: SEPTEMBER, 2003 SCALE: 1:1250
 DESIGNED BY: S.E.O.



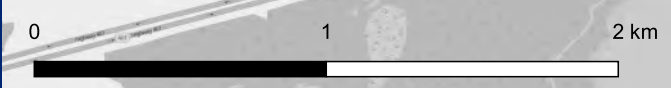
Township of Puslinch Storm Sewer
Structure Inventory

- Mapbook Pages
- Municipal Boundary



CITY
OF
GUELPH

TOWNSHIP
OF
PUSLINCH



Township of Puslinch Storm Sewer
Structure Inventory
Mapbook Index



September, 2023
123034
© OpenStreetMap contributors
Projection EPSG:3857

Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\20230530_119113-2_Wellington_STM_CCTV_MP.ggz



Township of Puslinch Storm Sewer Structure Inventory

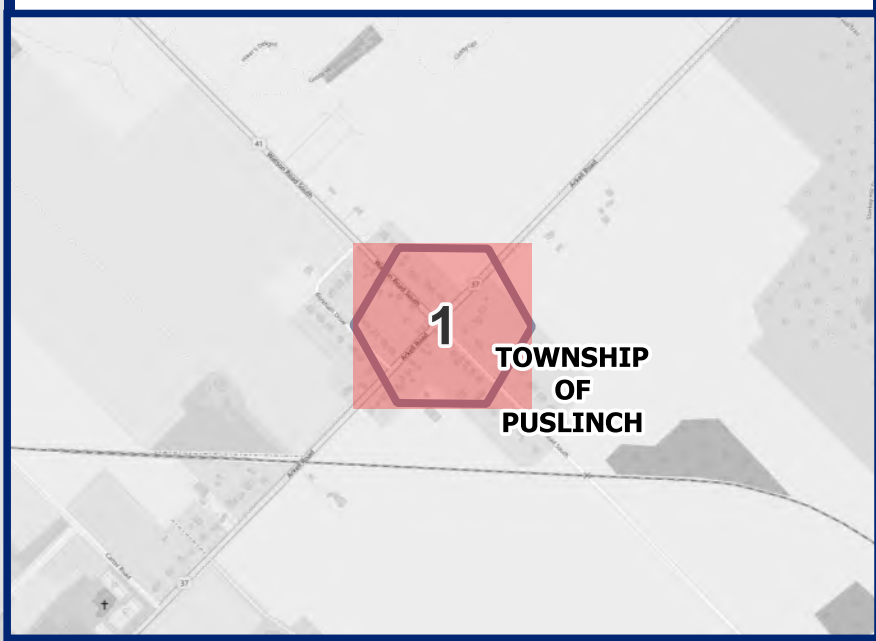
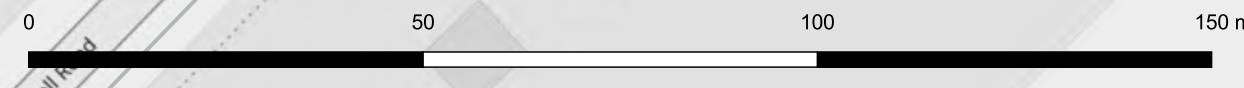
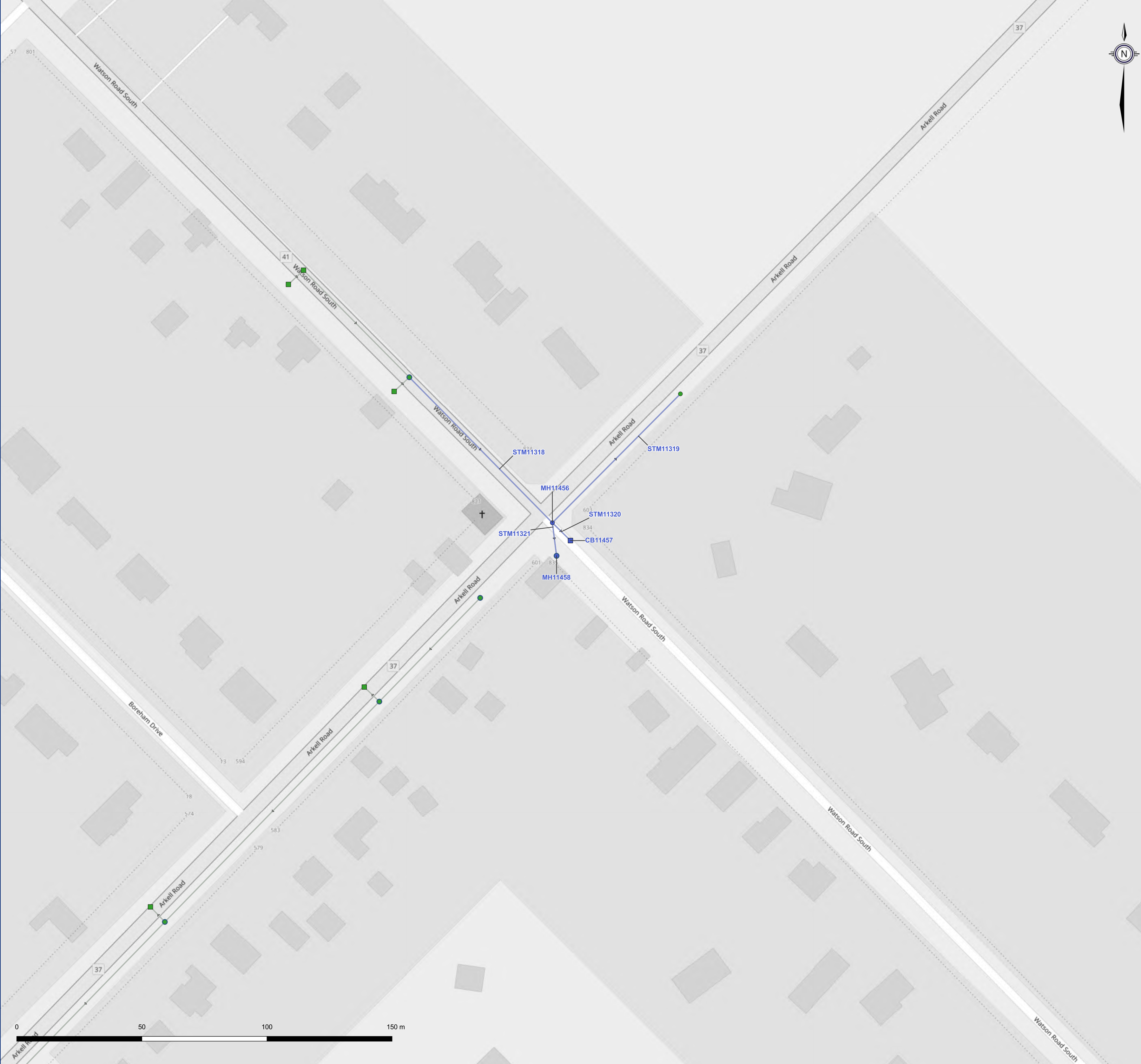


Updated Storm Network

- CB
- CBMH
- STMH
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- STMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



Township of Puslinch Storm Sewer Structure Inventory

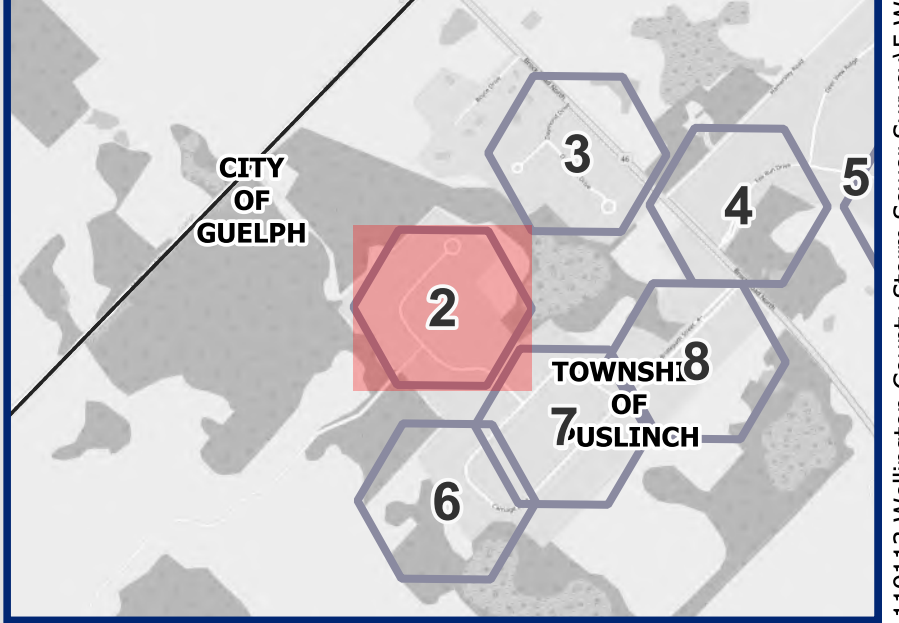
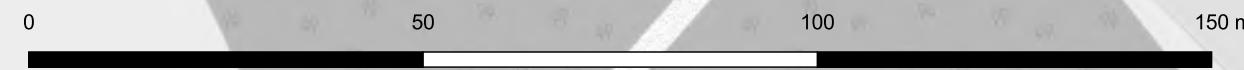
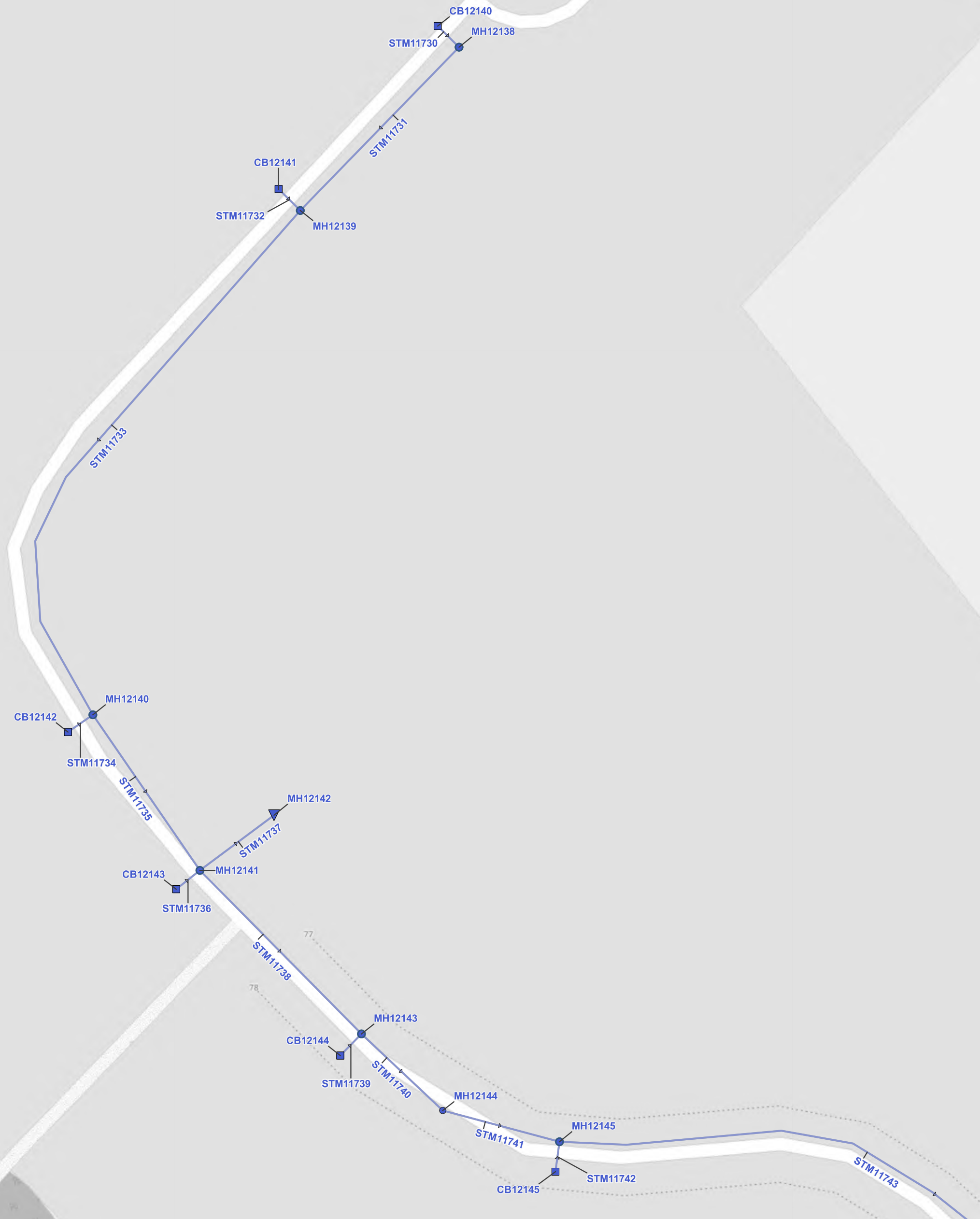


Updated Storm Network

- CB
- CBMH
- MH
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- MH
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\19-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



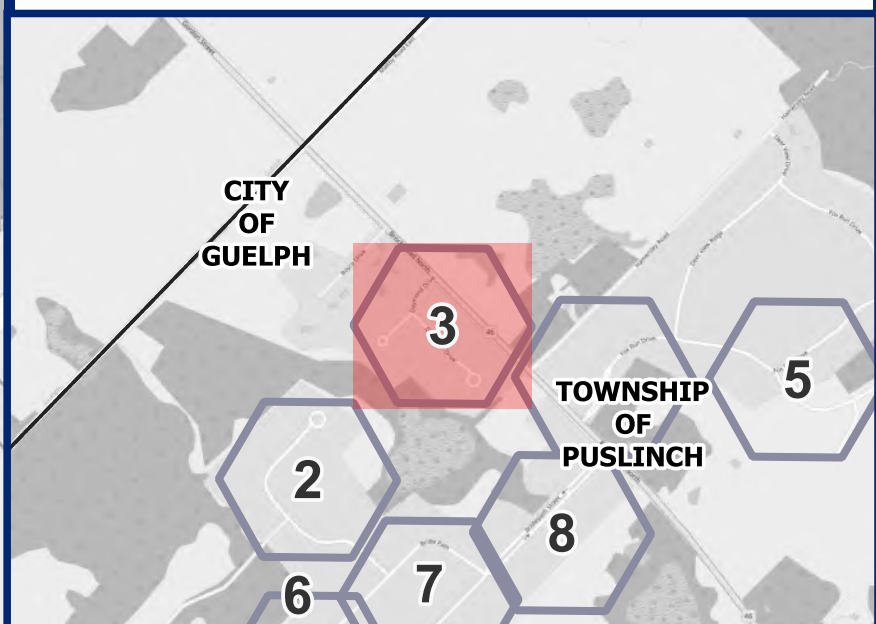
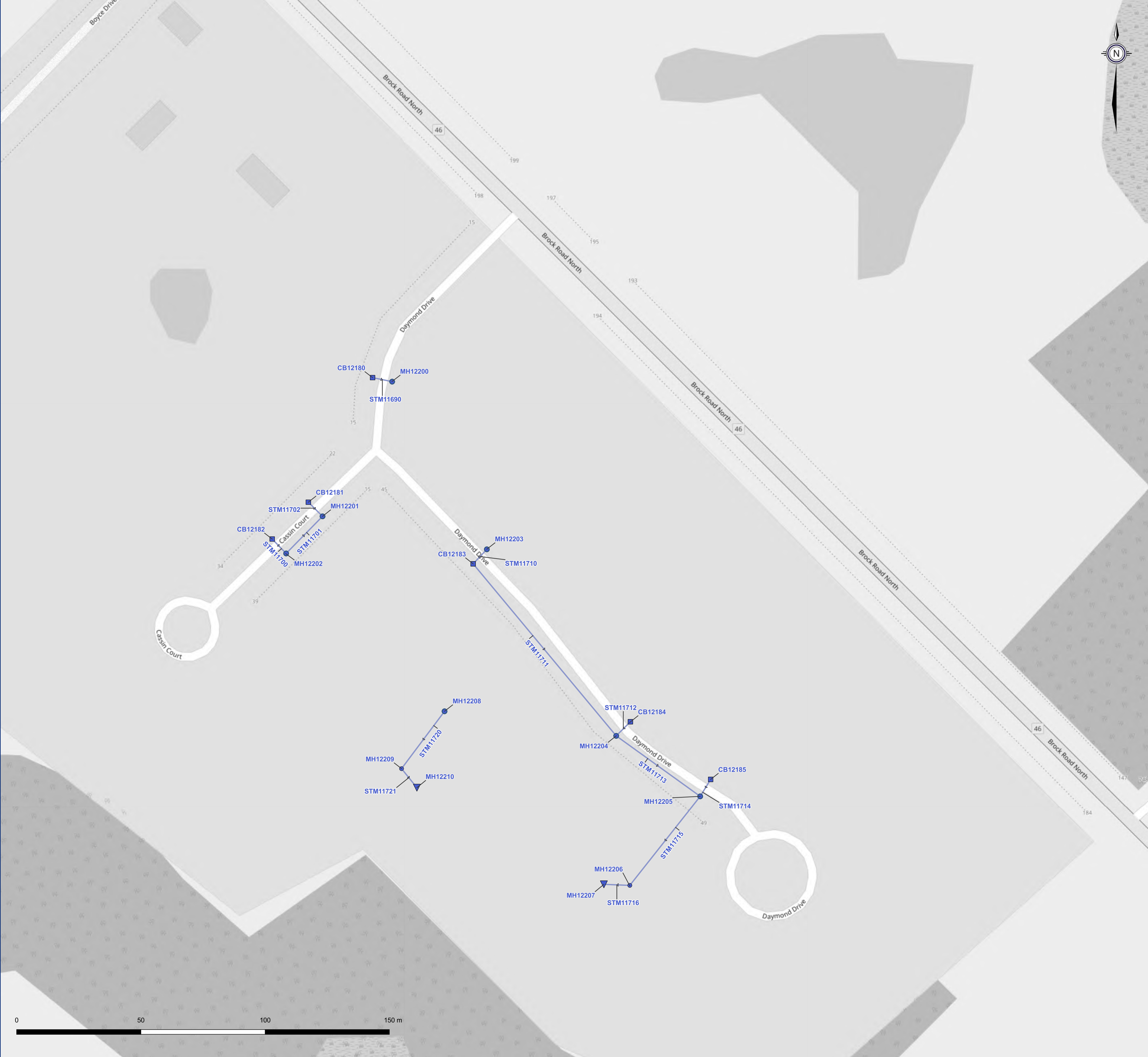
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

- CB
- CBMH
- MH
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- MH
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\19-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



Township of Puslinch Storm Sewer Structure Inventory

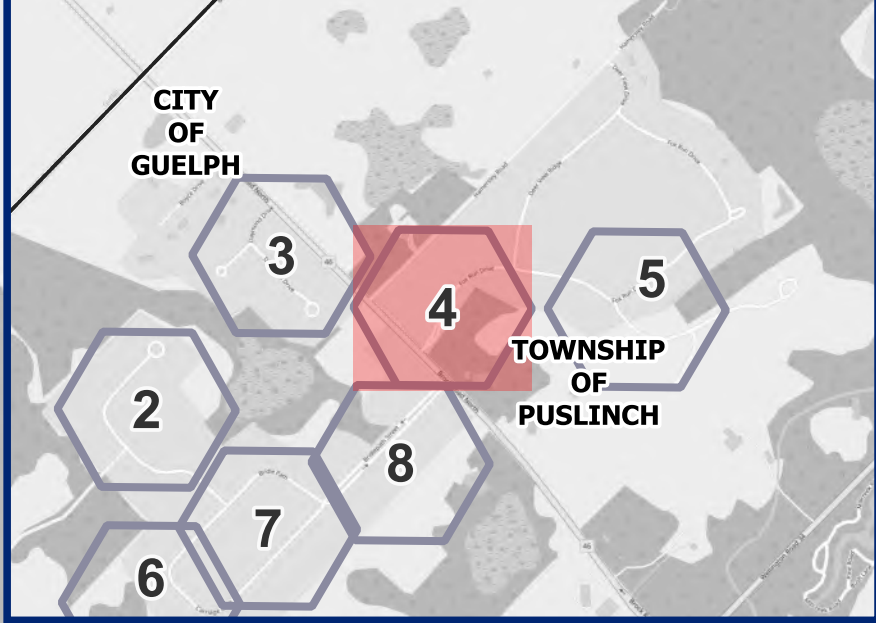


Updated Storm Network

- CB
- CBMH
- DICB
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- DICB
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory

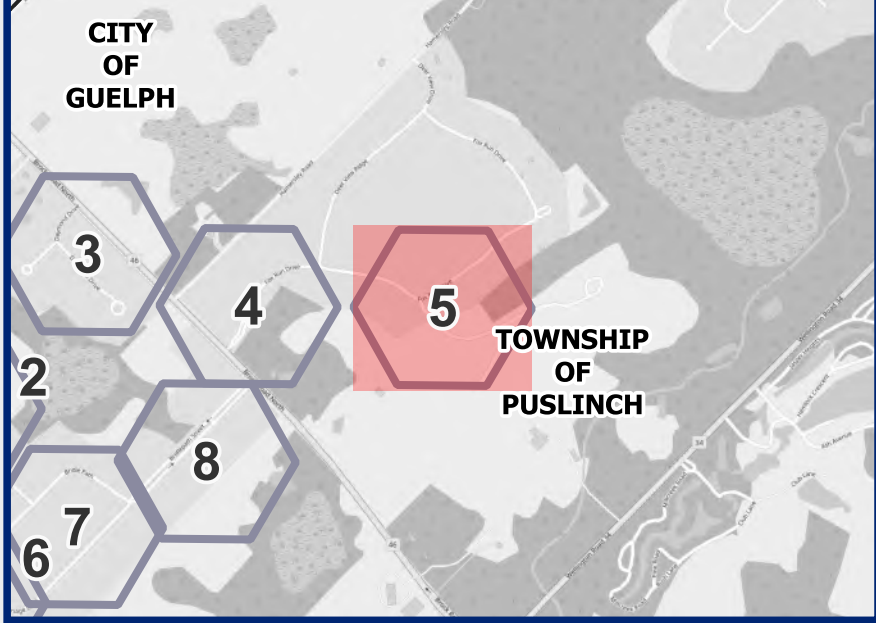


Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



Township of Puslinch Storm Sewer Structure Inventory

- Updated Storm Network
- ▼ OUTLET
 - DCBMH
 - Storm Pipes
- Existing Storm Network
- ▼ OUTLET
 - DCBMH
 - Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\19-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



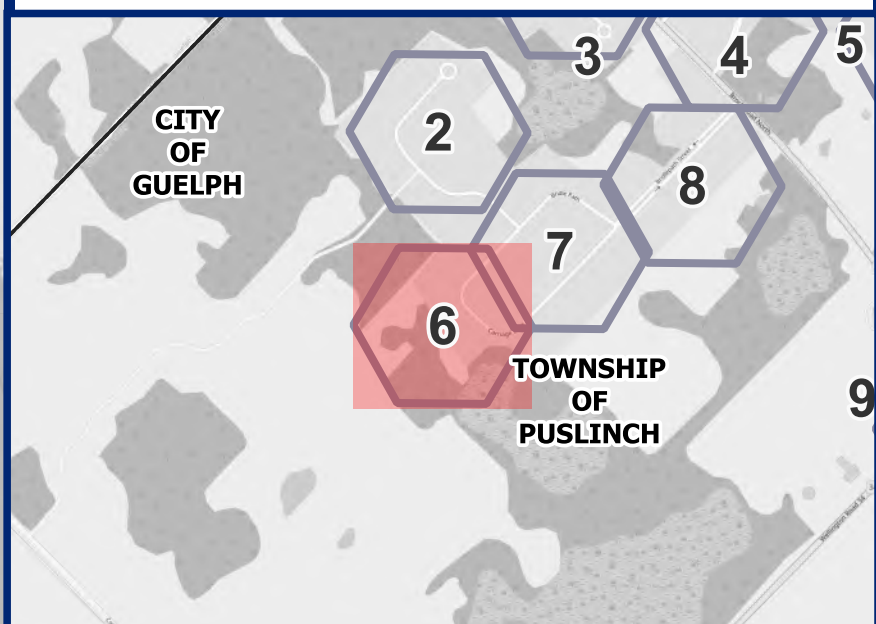
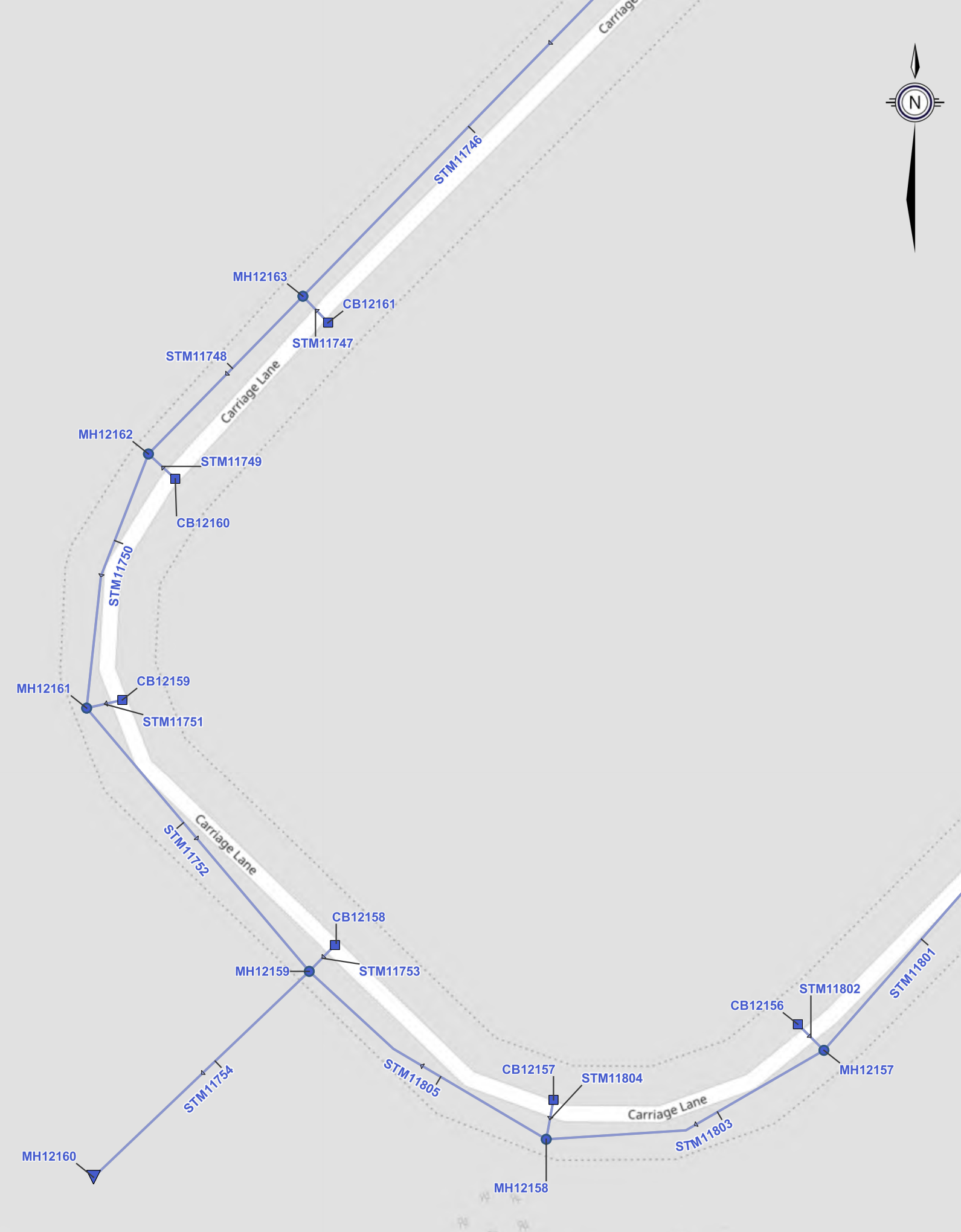
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

- CB
- CBMH
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- ▼ OUTLET
- DCB
- DCBMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



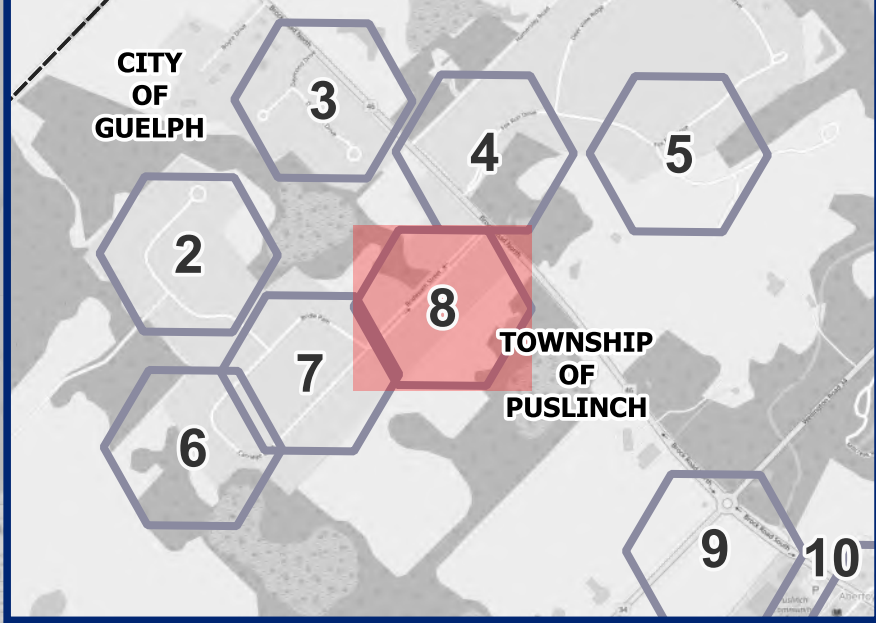
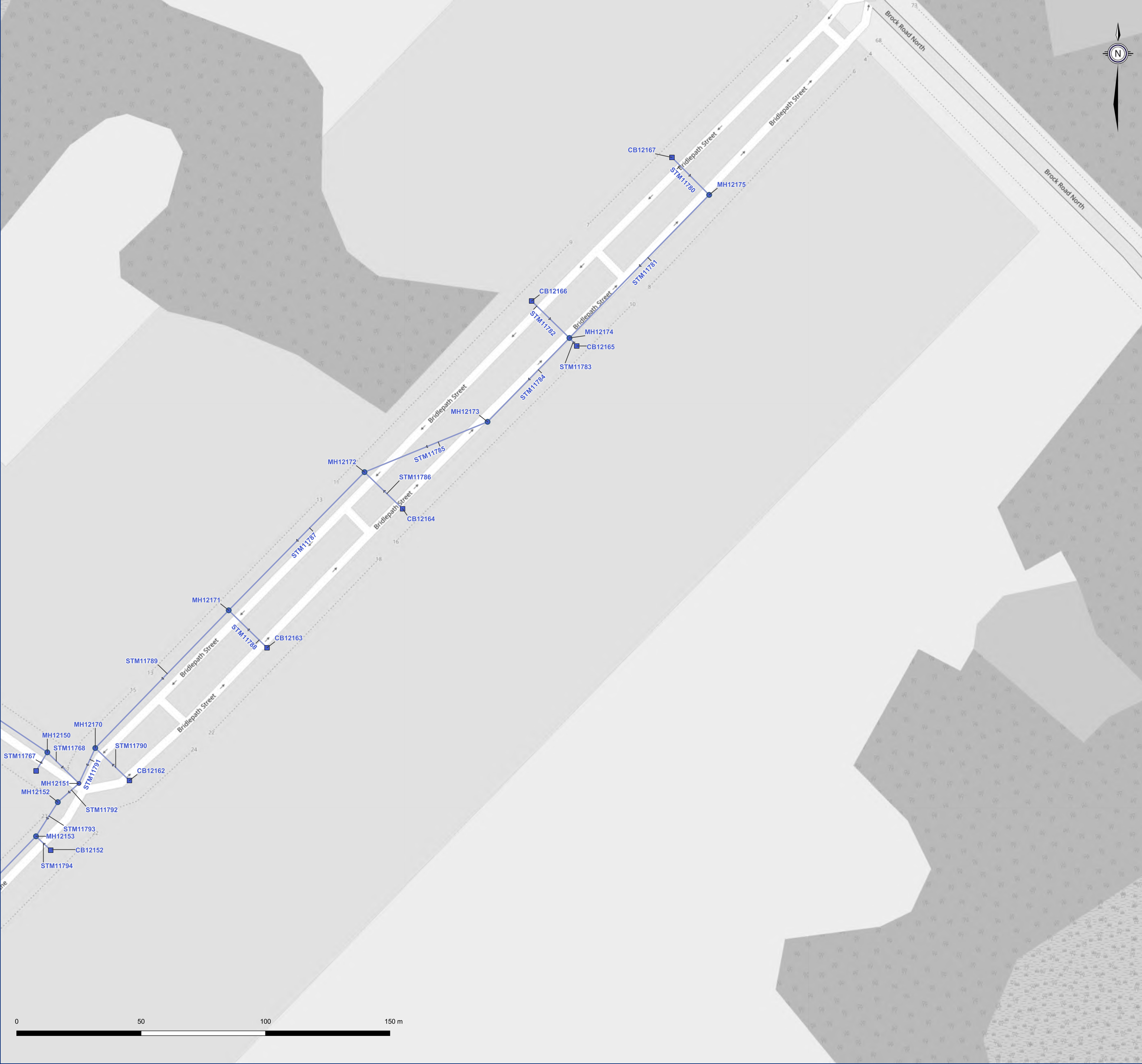
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

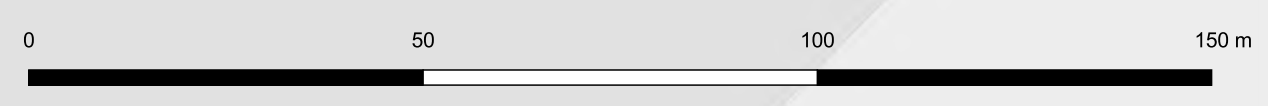
- CB
- CBMH
- DCB
- DCBMH
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- DCB
- DCBMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



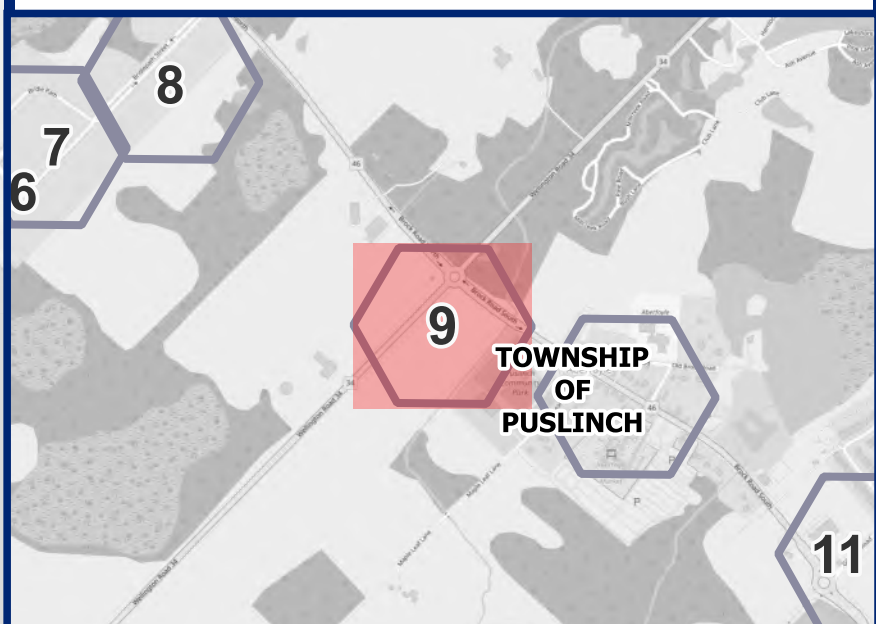
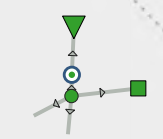
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

- CB
- CBMH
- ▼ OUTLET
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- DICB
- MH
- ▼ OUTLET
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\20230530_119113-2_Wellington_STM_CCTV_MP.ggz



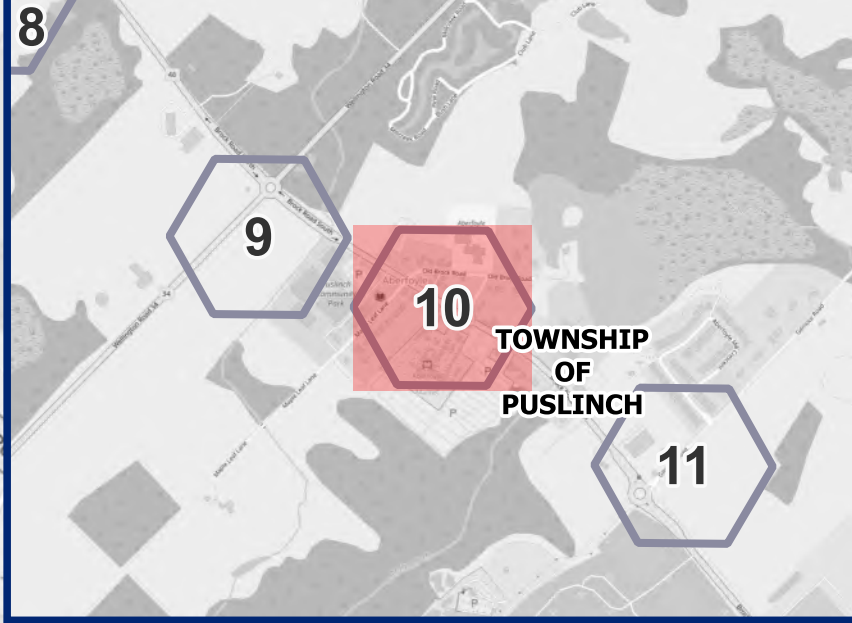
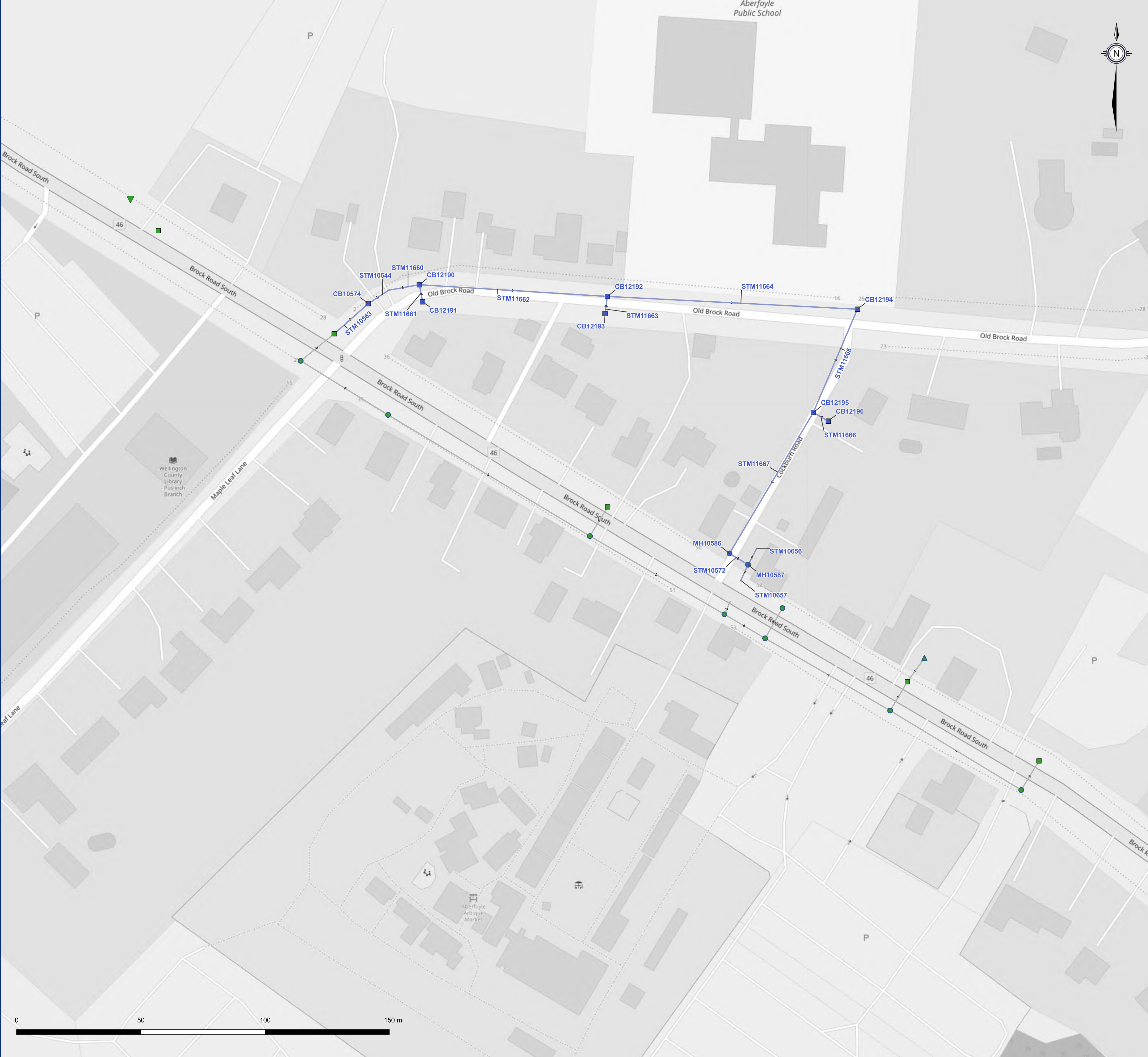
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

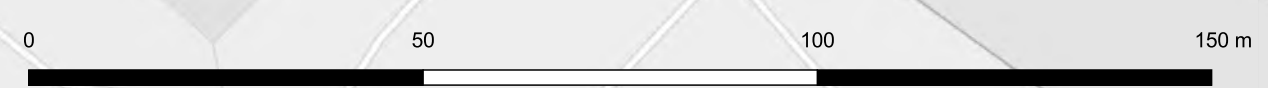
- CB
- CBMH
- DCB
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- DCB
- DCBMH
- ▲ INLET
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\20230530_119113-2_Wellington_STM_CCTV_MP.ggg



Township of Puslinch Storm Sewer Structure Inventory

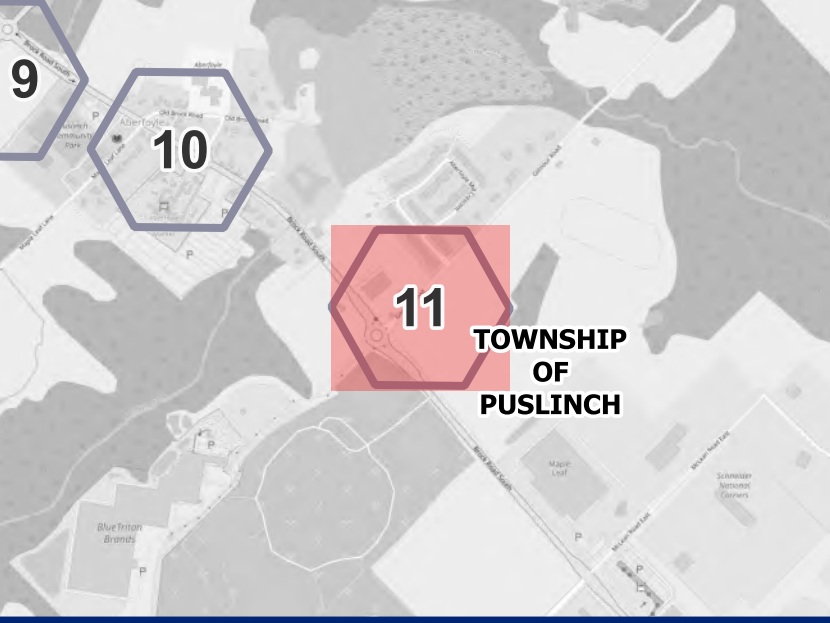
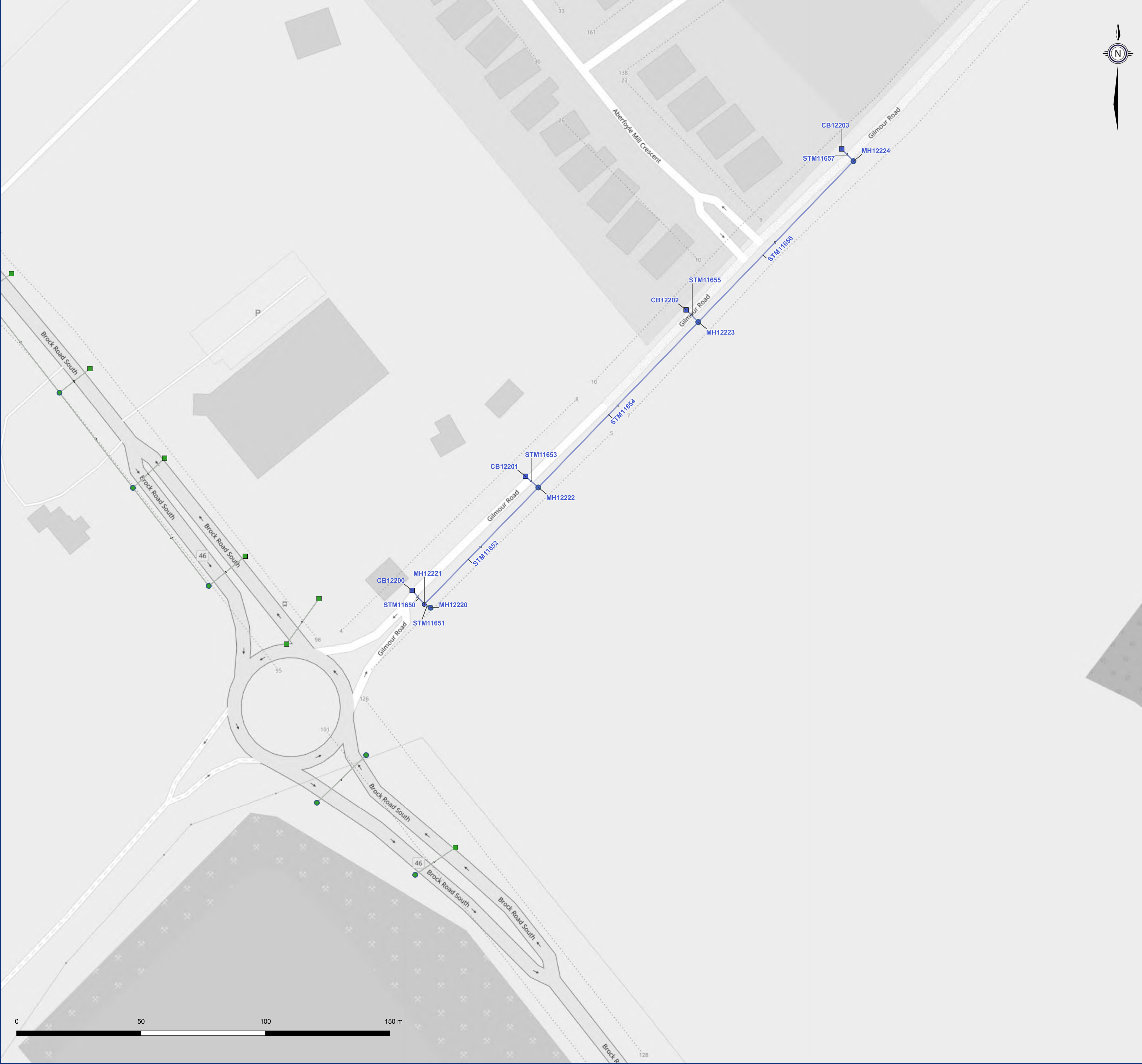


Updated Storm Network

- CB
- CBMH
- MH
- DCB
- DCBMH
- Storm Pipes

Existing Storm Network

- CB
- CBMH
- MH
- DCB
- DCBMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\20230530_119113-2_Wellington_STM_CCTV_MP.ggz



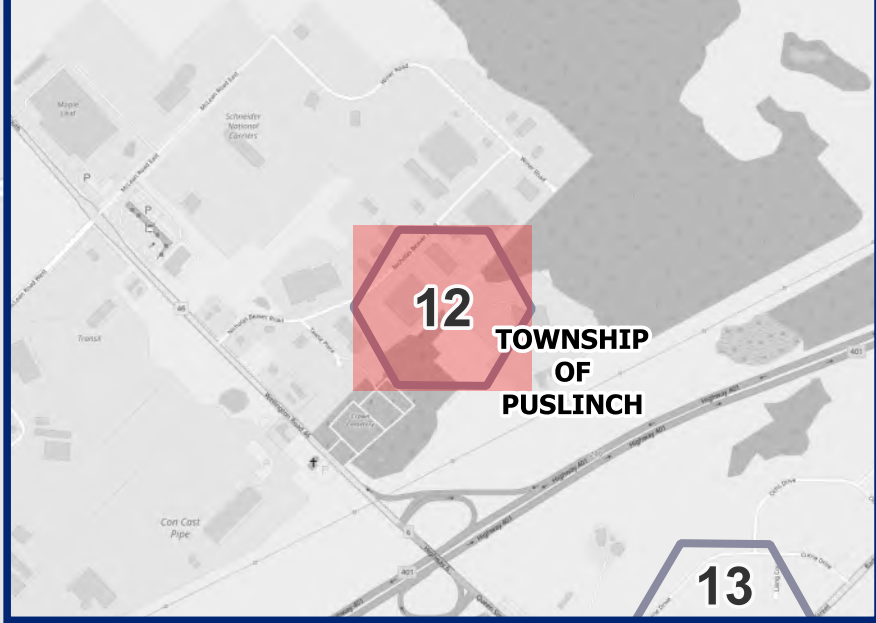
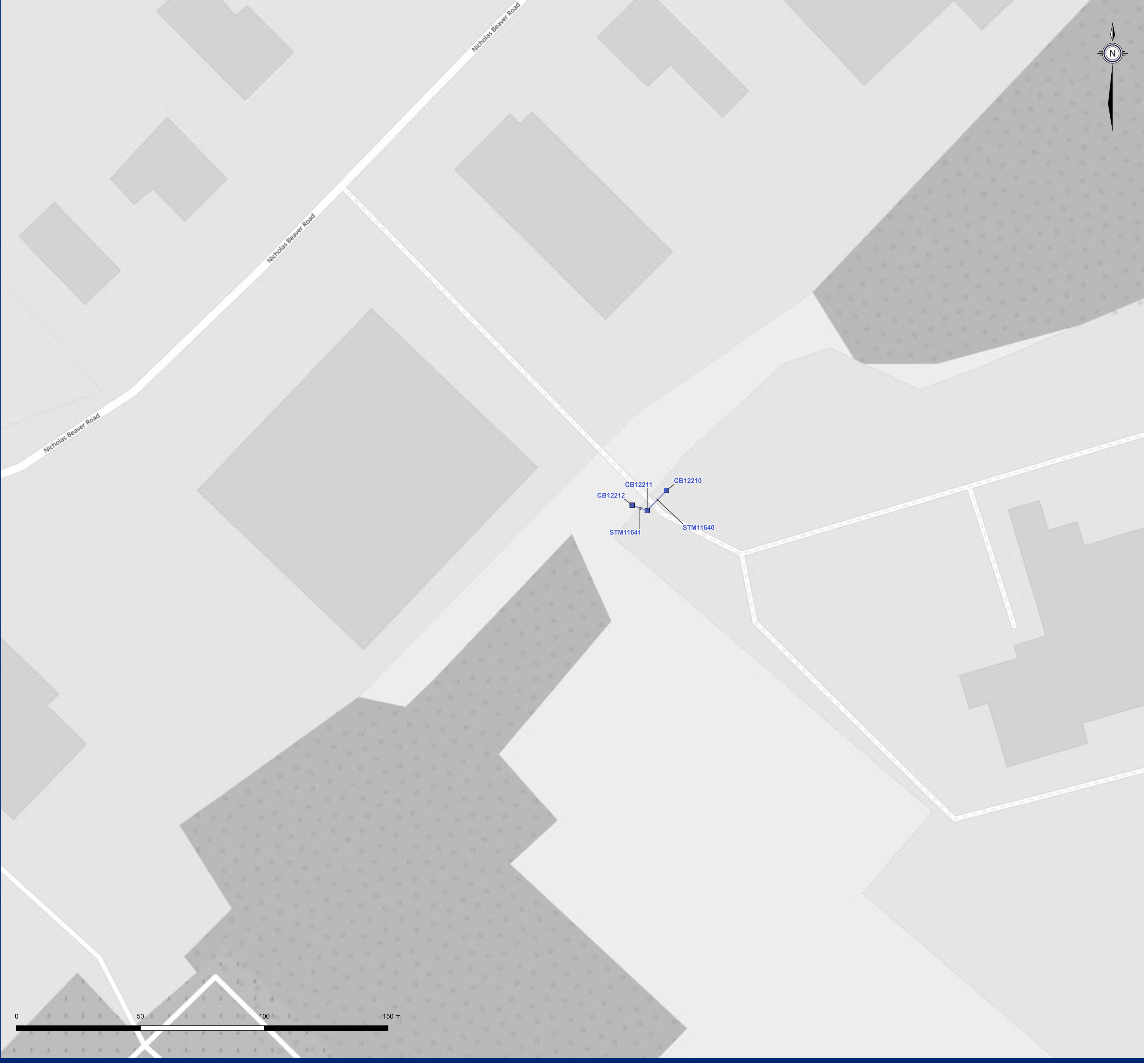
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

- CB
- DICB
- Storm Pipes

Existing Storm Network

- CB
- DICB
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



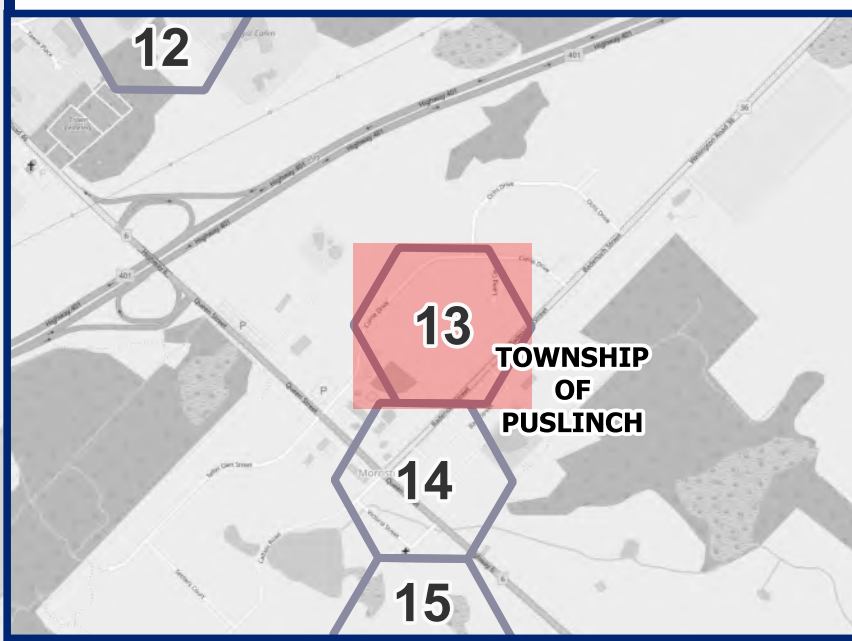
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

- CB
- ▼ CB OUTLET
- CBMH
- MH
- DCB
- DIMH
- Storm Pipes

Existing Storm Network

- CB
- ▼ CB OUTLET
- CBMH
- MH
- DCB
- DIMH
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



Township of Puslinch Storm Sewer Structure Inventory

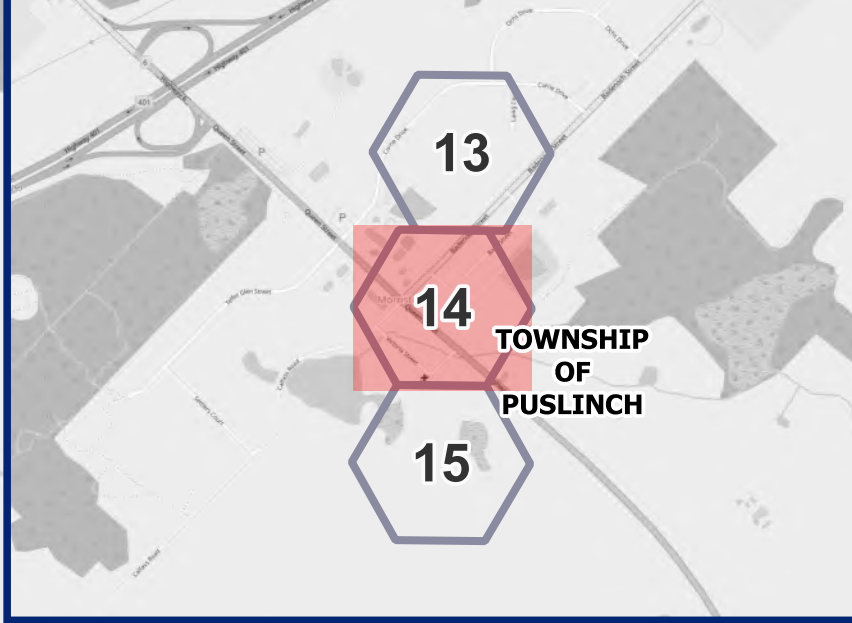
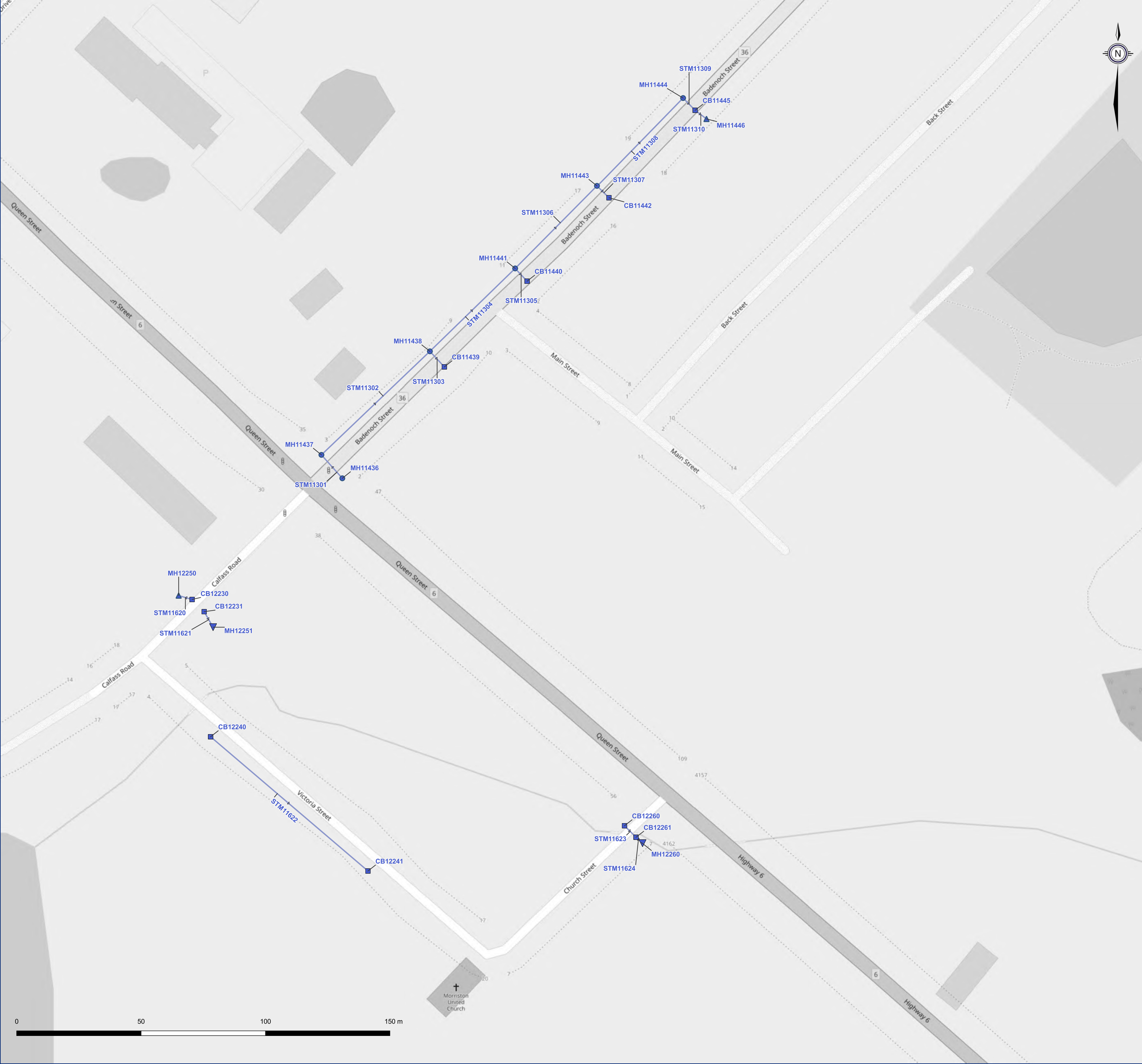


Updated Storm Network

- CB
- ▲ CB INLET
- CBMH
- TICBMH
- ▼ OUTLET
- Storm Pipes

Existing Storm Network

- CB
- ▲ CB INLET
- CBMH
- ▼ OUTLET
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\119-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz



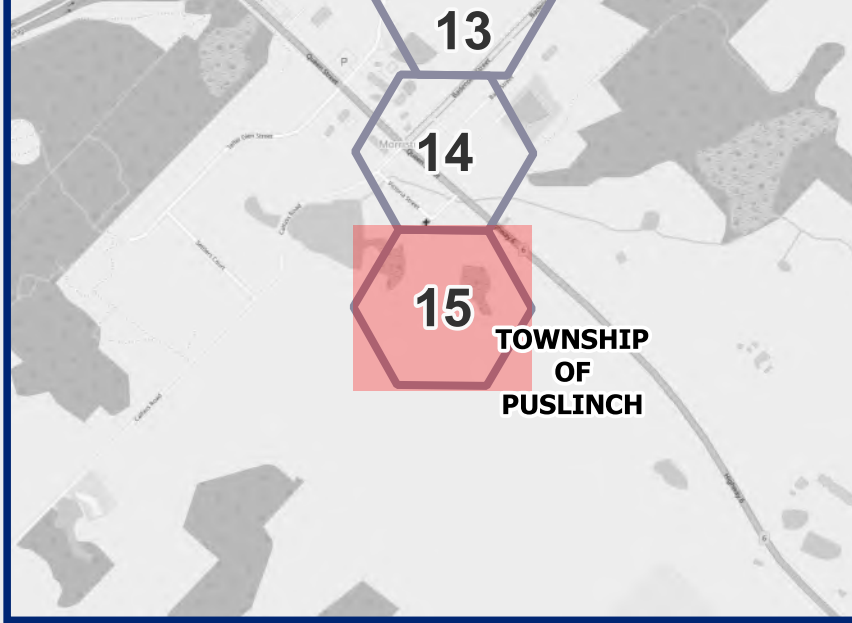
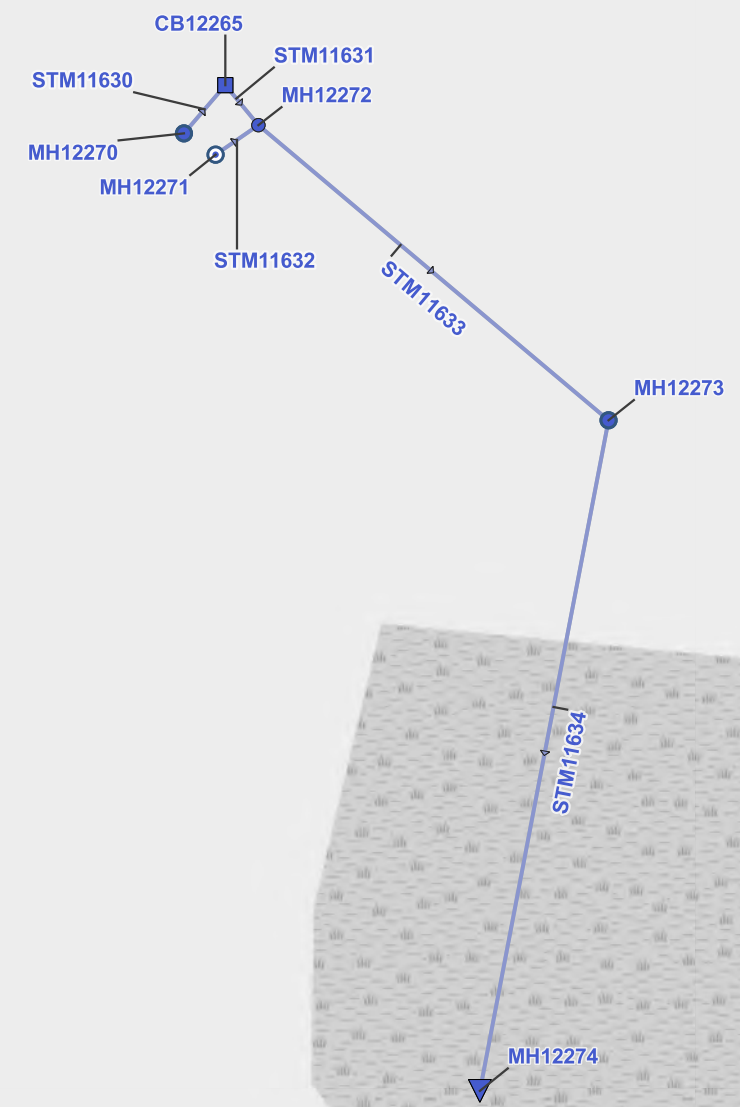
Township of Puslinch Storm Sewer Structure Inventory

Updated Storm Network

- MH
- ▼ OUTLET
- DCB
- DCBMH
- ⊙ STC
- Storm Pipes

Existing Storm Network

- MH
- ▼ OUTLET
- DCB
- DCBMH
- ⊙ STC
- Storm Pipes



Township of Puslinch Storm Sewer Structure Inventory



Document Path: W:\Guelph\19-2019\119113 Wellington County Storm Sewer Survey\5 Work in Progress\GIS & Databases\119113-2\Updated Geometry\119113-2_Wellington_STM_CCTV_MP.ggz