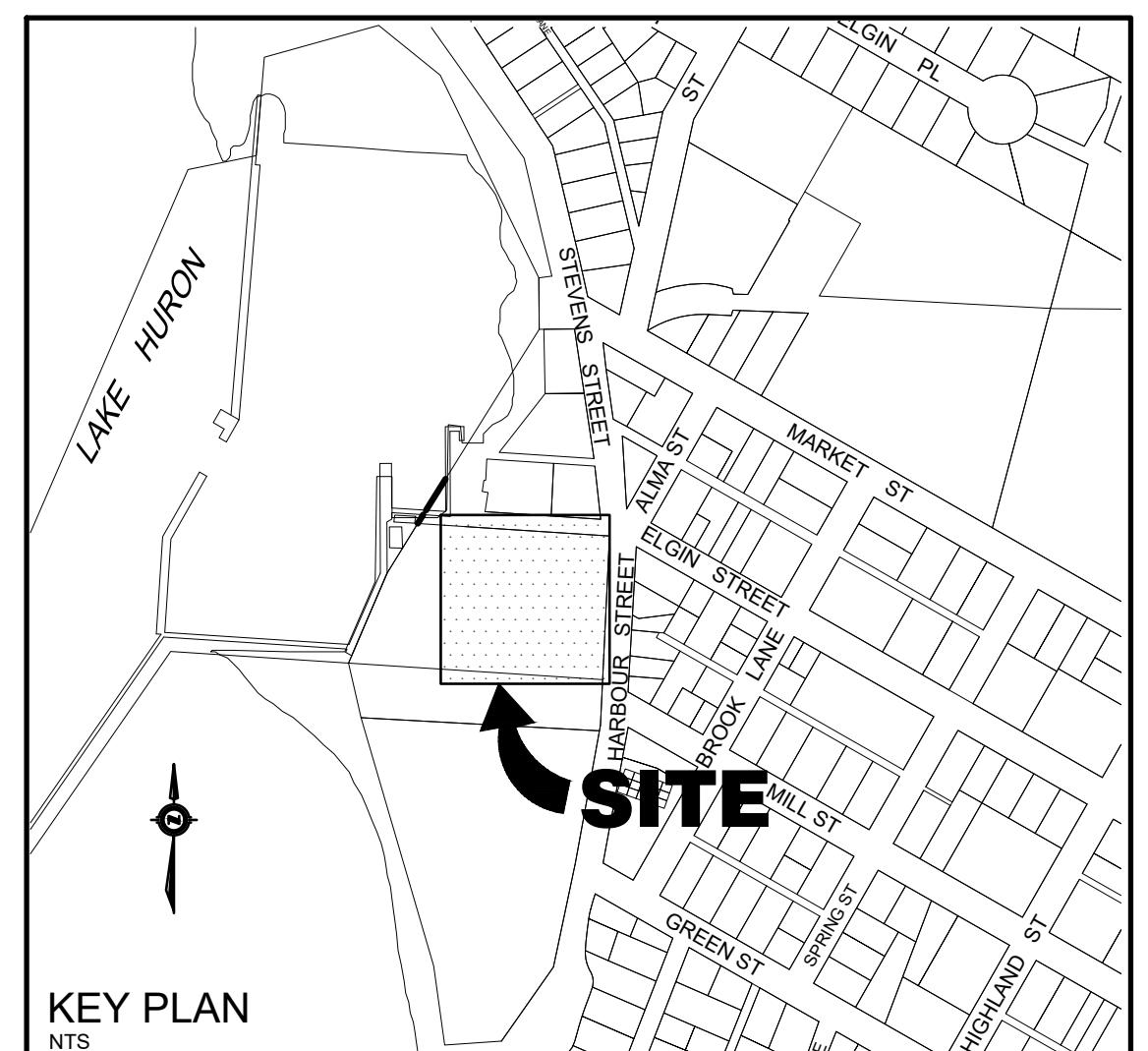


CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS
AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND
STRUCTURES, IF NECESSARY, SHOULD BE DETERMINED, AND
WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH
UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING
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LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL
ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

CEDAR CRESCENT VILLAGE TOWN OF SAUGEEN SHORES

CONTRACT NO. 21-01867-01

OWNER :
CEDAR CRESCENT VILLAGE



index

SHEET No.	DESCRIPTION
01867-SP1	EXISTING CONDITIONS & REMOVALS SITE PLAN
01867-SS1	SITE SERVICING PLAN
01867-SG1	SITE GRADING PLAN
01867-SEC1	SEDIMENTATION AND EROSION CONTROL PLAN
01867-DET1	ENGINEERING STANDARDS & MISCELLANEOUS DETAILS
01867-DET2	MISCELLANEOUS DETAILS

7	DEC 8/22	EIGHTH SUBMISSION	TLB	SJC
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No.	DATE	DESCRIPTION	BY	APPD

REVISION / ISSUE

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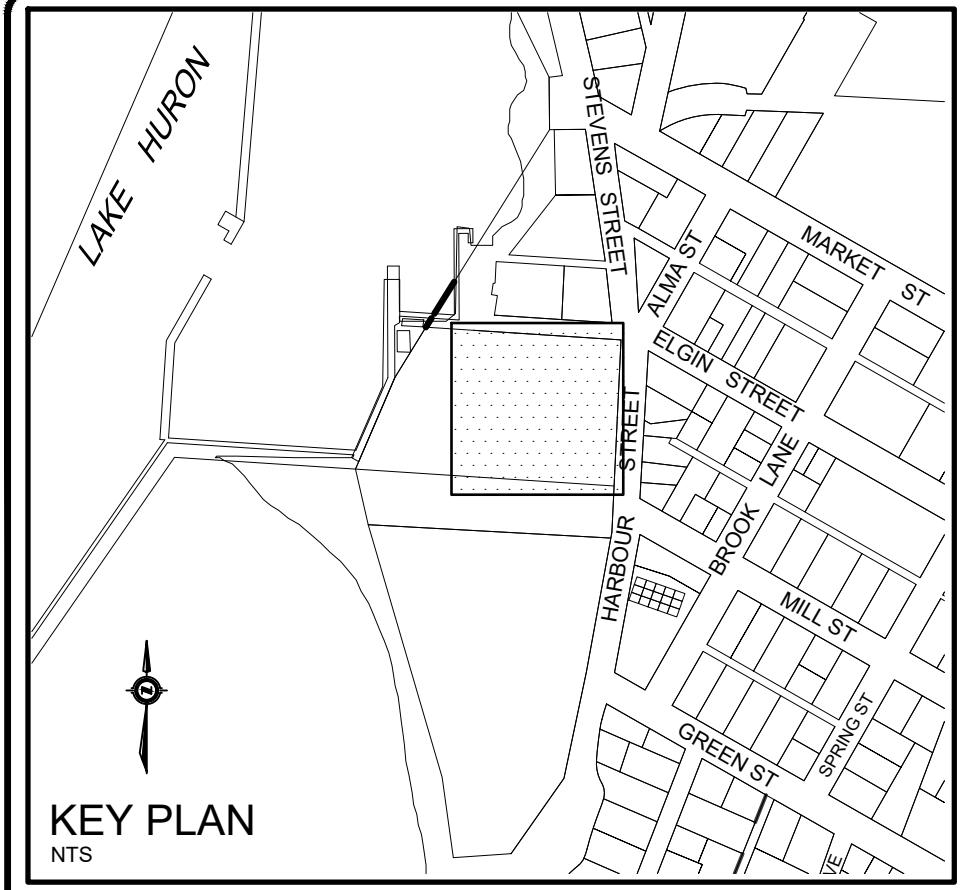
517 - 10th STREET, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959
www.cobideeng.com

Title: CEDAR CRESCENT VILLAGE
PROPOSED DEVELOPMENT
PORT ELGIN BEACH
Town of Saugeen Shores, Ont.
TITLE SHEET

Client: G. M. DIEMERT ARCHITECTS LTD.

Design:	TLB	Scale:	
Drawn:	JAF	Approved:	
Checked:	SJC		
Date:	MAR 2021		Design Engineer

DRAWING No. 01867-TS



KEY PLAN

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PROPOSED STORM MANHOLE	—	EXISTING HYDRO GUY WIRE
EXISTING STORM MANHOLE	○ <i>HP</i>	EXISTING HYDRO POLE
PROPOSED CATCHBASIN MANHOLE	□ <i>CATV</i>	EXISTING CABLE TV PEDESTAL
PROPOSED TWIN INLET CATCHBASIN MANHOLE	□ <i>BPED</i>	EXISTING TELEPHONE PEDESTAL
PROPOSED CATCH BASIN	□ <i>SIB</i>	STANDARD IRON BAR
EXISTING CATCH BASIN	■ <i>IB</i>	IRON BAR
PROPOSED SANITARY SERVICE CLEANOUT	○	EXISTING DECIDUOUS TREE
PROPOSED CURB STOP VALVE	○	EXISTING CONIFEROUS TREE
EXISTING CURB STOP VALVE	○	EXISTING GAS MARKER
EXISTING FIRE HYDRANT	○	
PROPOSED GATE VALVE	○	
EXISTING GATE VALVE	○	
TOP CURB	○	
HEAVY DUTY SILTFENCE	○	
TEMPORARY CONSTRUCTION MUD MAT	○	
	BM	BENCHMARK
	BH	BOREHOLE
	×	PROPOSED ELEVATION
		EXISTING ELEVATION

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TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHIC PLAN
PROVIDED BY TOWN OF SAUGEEN SHORES AND TOPOGRAPHIC SURVEY BY
EWETT & MILNE LTD. COMPLETED IN OCTOBER 2019.

PROPOSED DEVELOPMENT DETAILS DERIVED FROM INFORMATION SHOWN
IN PLAN BY G.M.DIEMERT ARDHITECTS LTD.

ANITARY SEWER TO BE PVC SDR 35.

LL STORM CATCHBASINS AND ALL STORM MANHOLES TO HAVE A MINIMUM
JUMP AS PER THE APPLICABLE OPSD.

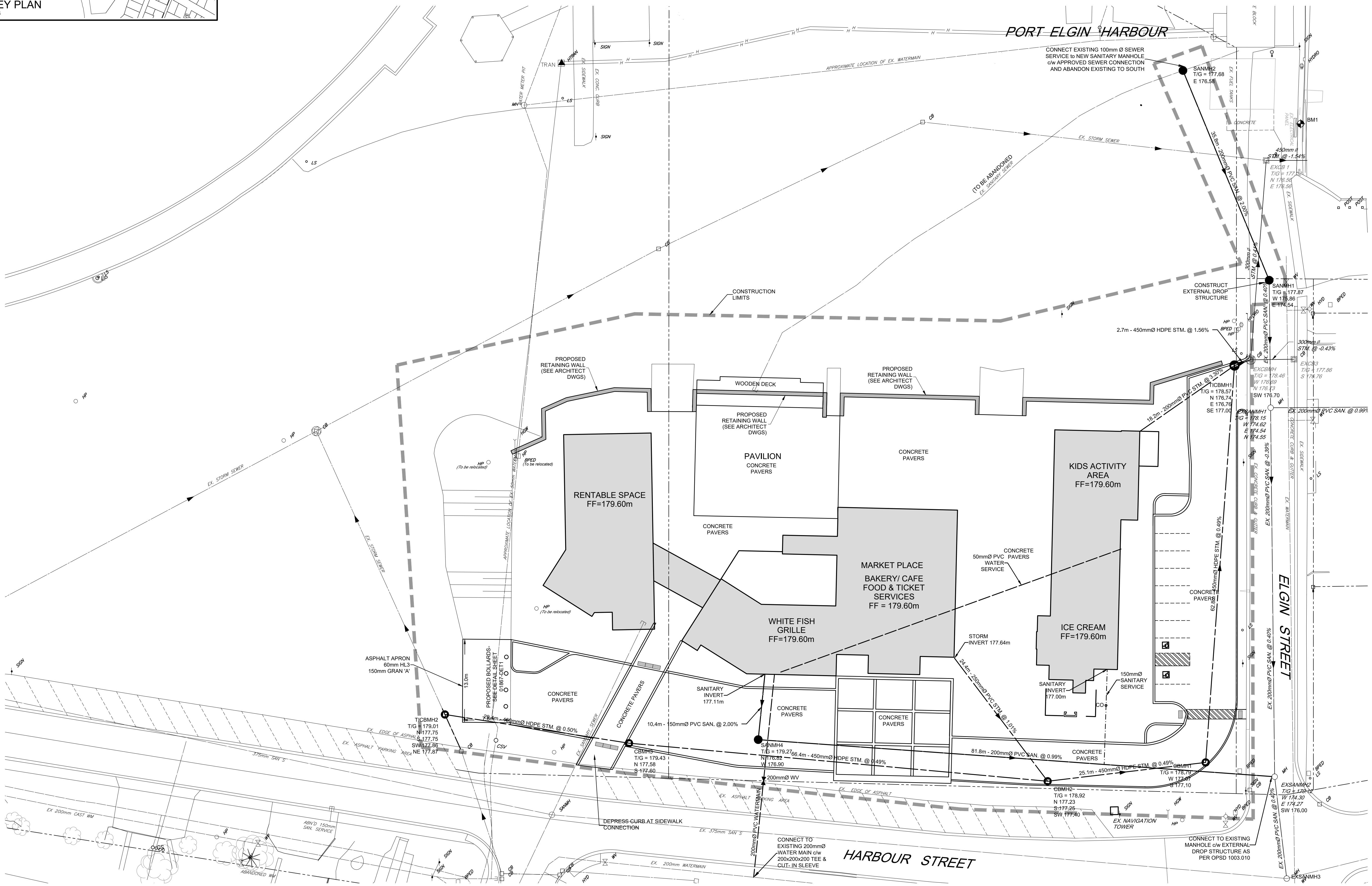
STORM SEWERS 900mmØ AND SMALLER TO BE PERFORATED HDPE IN
mmØ WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE
CEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE
OLID PIPE. SEE DETAIL SHEET 01867-DET1.

INTAIN 2.50m CLEARANCE BETWEEN STORM SEWER AND WATERMAIN.
LL WATERMAINS TO BE PVC DR18.

LL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm
EAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO
ECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR
PPROVED EQUIVALENT.

HIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL
TAMPED 'ISSUED FOR CONSTRUCTION'.

LL CONSTRUCTION TO BE COMPLETED TO TOWN OF SAUGEEN SHORES
NGINEERING STANDARDS.



Checkmark Information
M1
O.M.N.R.F. TABLET 0011928U66R IN CONCRETE RETAINING WALL
ON WHARF.
ELEVATION 177.859m (CGVD28:78)

ELEVATION		177.859m (CGVD28.76)	
DATE	DESCRIPTION	TLB	SJC
DEC 8/22	EIGHTH SUBMISSION	TLB	SJC
AUG 23/22	SEVENTH SUBMISSION	TLB	SJC
JULY 14/22	SIXTH SUBMISSION	TLB	SJC
JUNE 27/22	FIFTH SUBMISSION	TLB	SJC
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DEC 08/21	SECOND SUBMISSION	TLB	SJC
NOV 30/21	FIRST SUBMISSION	TLB	SJC
DATE	DESCRIPTION	BY	APPD

REVISION



17 10th Street, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959

www.cobideeng.com

EDAR CRESCENT VILLAGE PROPOSED DEVELOPMENT PORT ELGIN BEACH

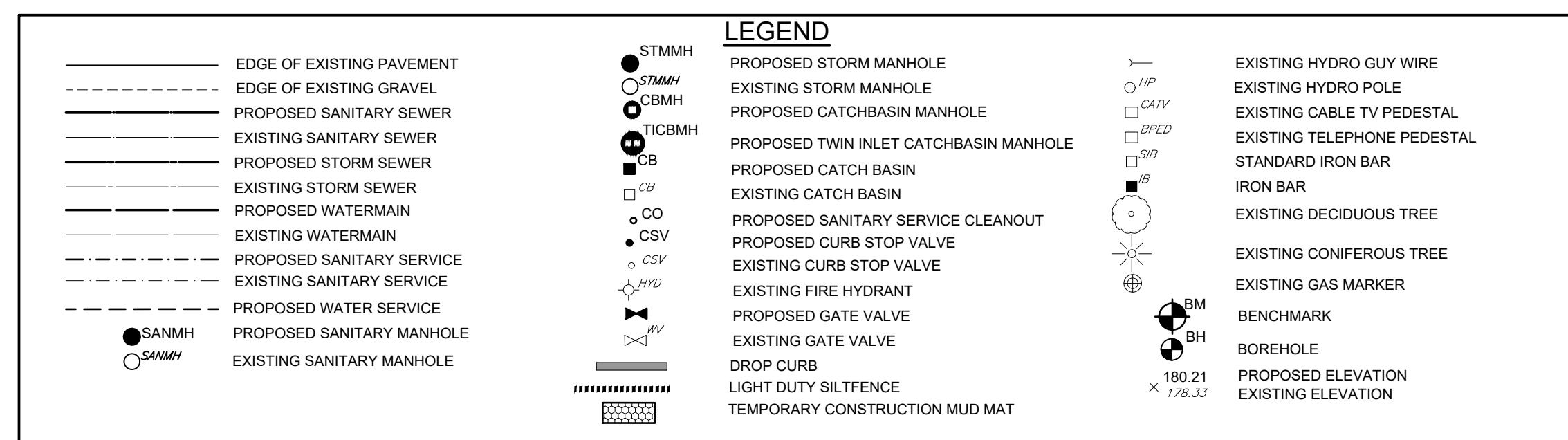
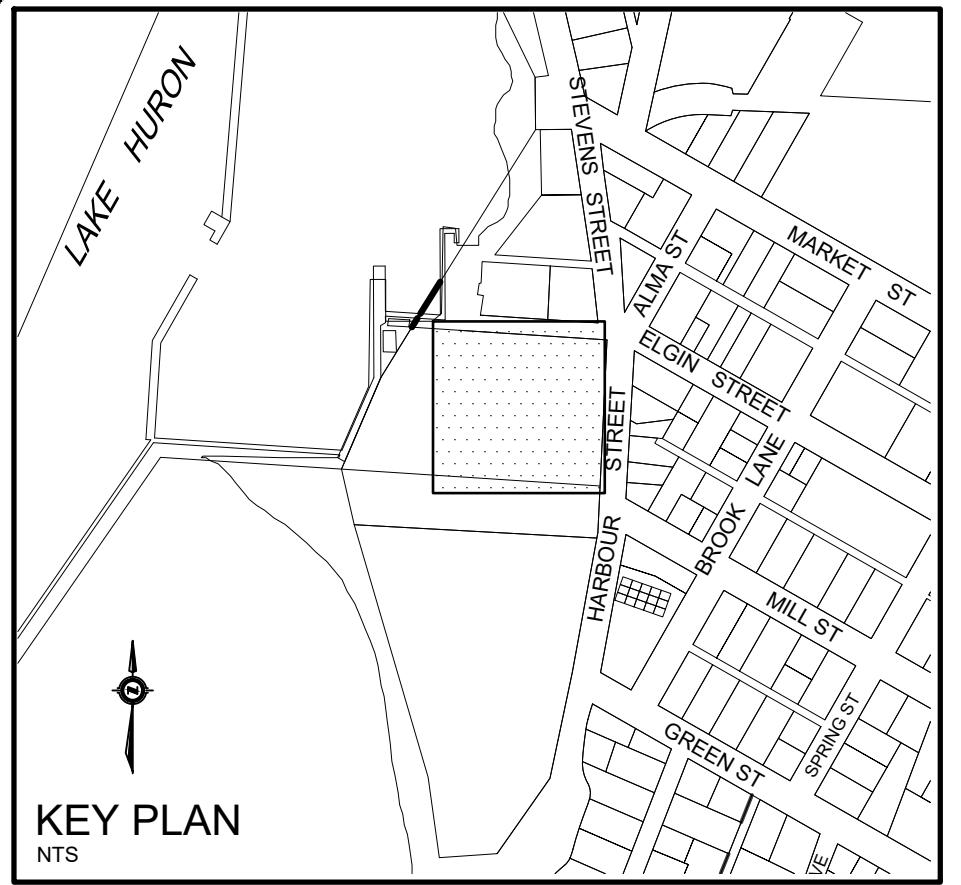
OWNERSHIP OWN OF SAUGEEN SHORES, ONT.

M. DIEMERT ARCHITECTS LTD.

B	Scale: 1:300
F	Approved:

..
C
021

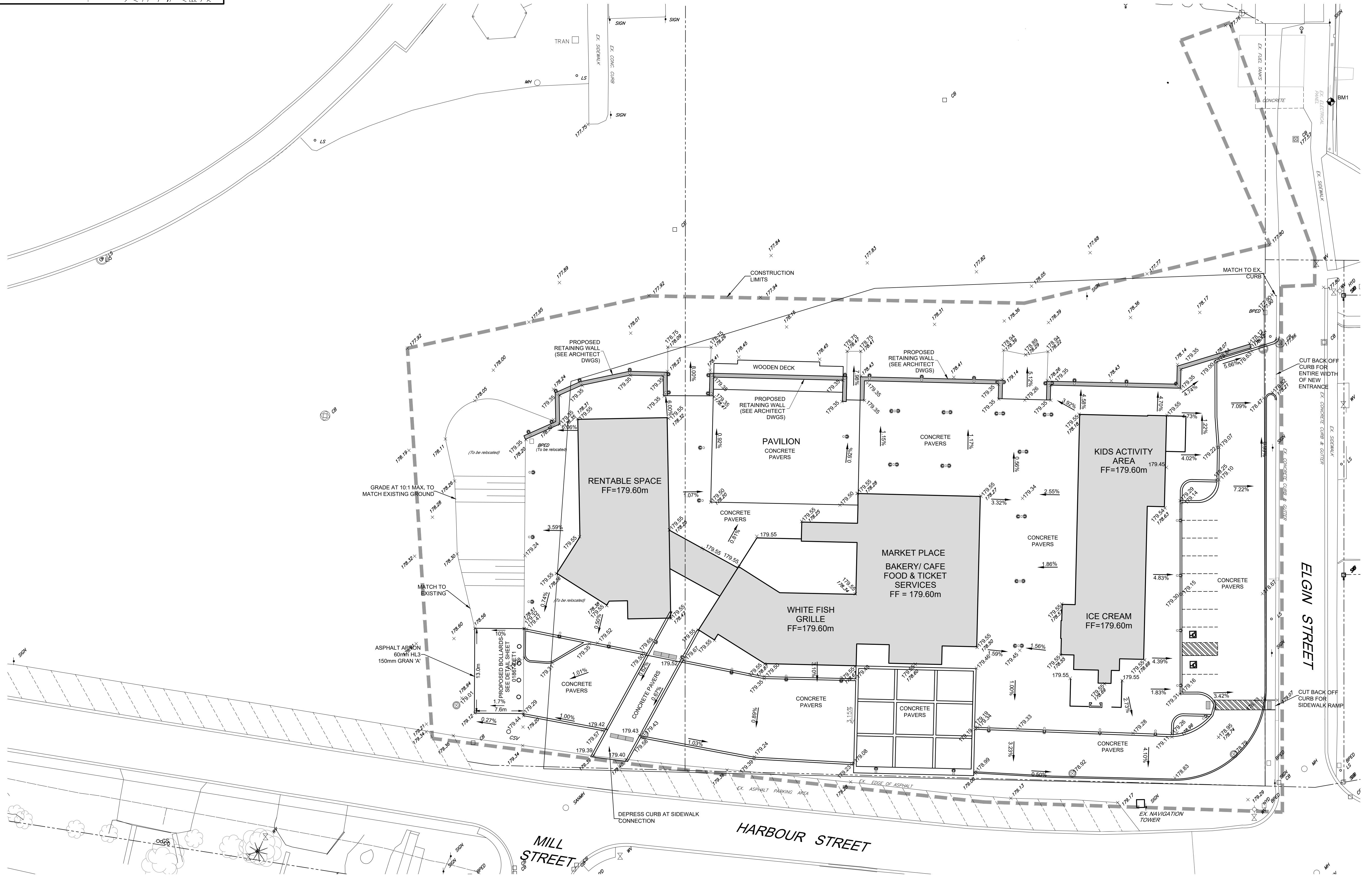
01867-SS1



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Notes

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- PROPOSED DEVELOPMENT DETAILS DERIVED FROM INFORMATION SHOWN ON PLAN BY G.M. DIEMERT ARCHITECTS LTD.
- SANITARY SEWER TO PVC SDR 35.
- ALL STORM CATCHBASINS AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP AS PER THE APPROVED SLOPES.
- STORM CATCHBASINS AND STORM MANHOLE TO BE PERFORATED HOPE IN 50mm WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE EXCEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE SOLID PIPE. SEE DETAIL SHEET 01867-DET1.
- MAINTAIN 2.50m CLEARANCE BETWEEN STORM SEWER AND WATERMAIN.
- ALL WATERMANS TO BE PVC DR18.
- ALL CONCRETE RETAINING WALLS TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
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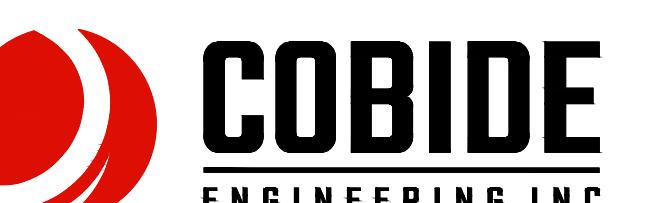
Benchmark Information

BM1
OMN.R.F. TABLET 0011928U66R IN CONCRETE RETAINING WALL
ON WHARF, ELEVATION
177.859m (CGVD28.78)

7	DEC 8/22	EIGHTH SUBMISSION	TLB	SJC
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No.	DATE	DESCRIPTION	BY	APPD

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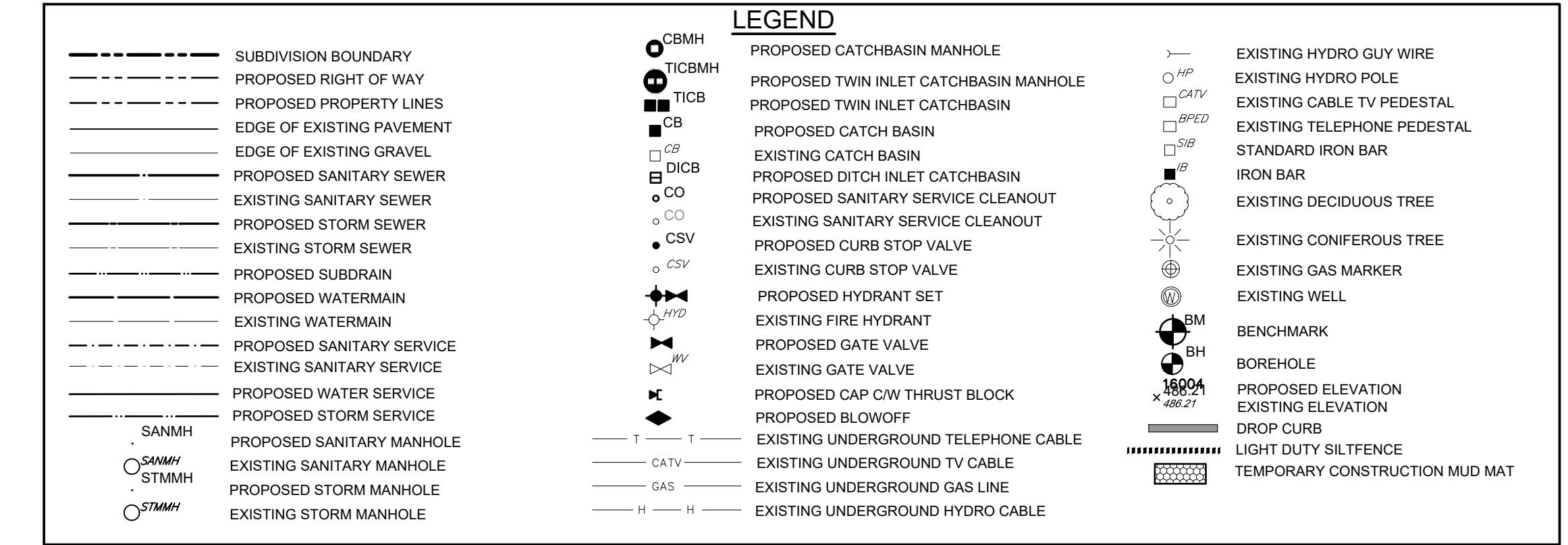
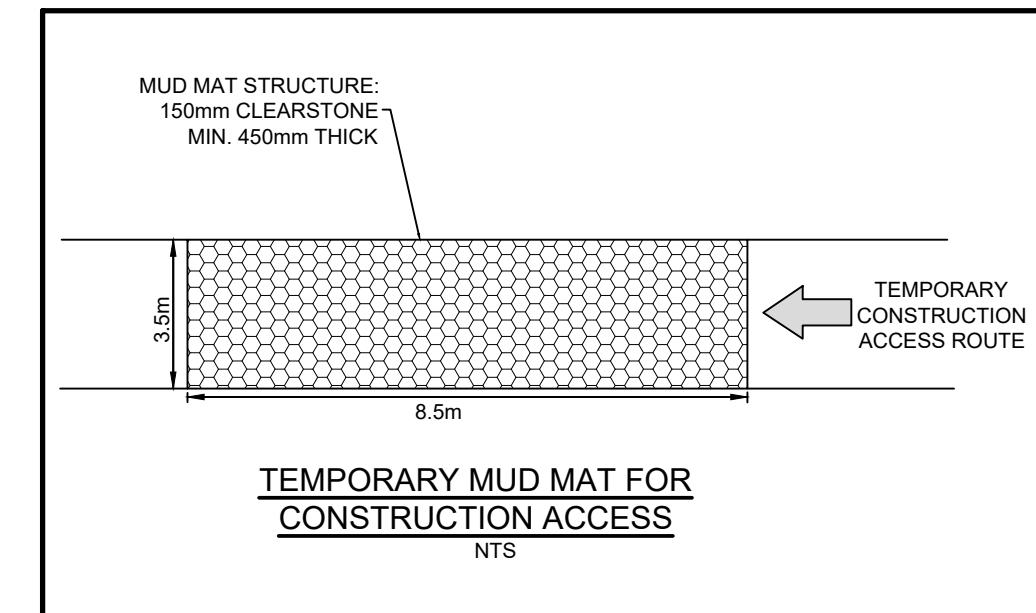
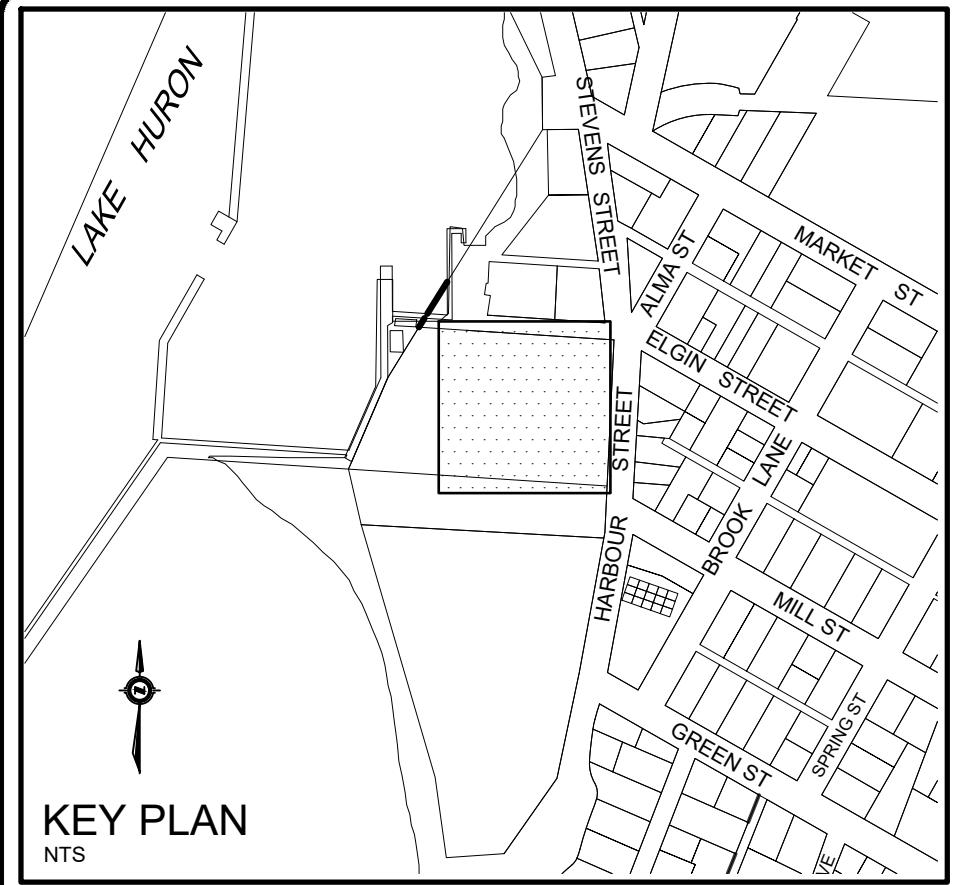


517 10th Street, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959
www.cobideeng.com

Title: CEDAR CRESCENT VILLAGE PROPOSED DEVELOPMENT PORT ELGIN BEACH Town of Saugeen Shores, Ont. SITE GRADING PLAN

Client: G. M. DIEMERT ARCHITECTS LTD.

Design: LFP Scale: 1:300
Drawn: JAF Approved:
Checked: SJC
Date: MAR 2021
DRAWING No. 01867-SG1



CAUTION:
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- PROPOSED DEVELOPMENT DETAILS DERIVED FROM INFORMATION SHOWN ON PLAN BY G.M. DIEMERT ARCHITECTS LTD.
- SANITARY SEWER TO PVC SDR 35.
- ALL STORM CATCHBASINS AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP AS PER THE APPROVED SLOD.
- STORM CATCHBASINS AND STORM MANHOLES TO BE PERFORATED HOPE IN 50/50 WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE EXCEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE SOLID PIPE. SEE DETAIL SHEET 01867-DET1.
- MAINTAIN 2.50m CLEARANCE BETWEEN STORM SEWER AND WATERMAIN.
- ALL WATERMANS TO BE PVC DR18.
- ALL CONCRETE PAVING MATERIALS TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
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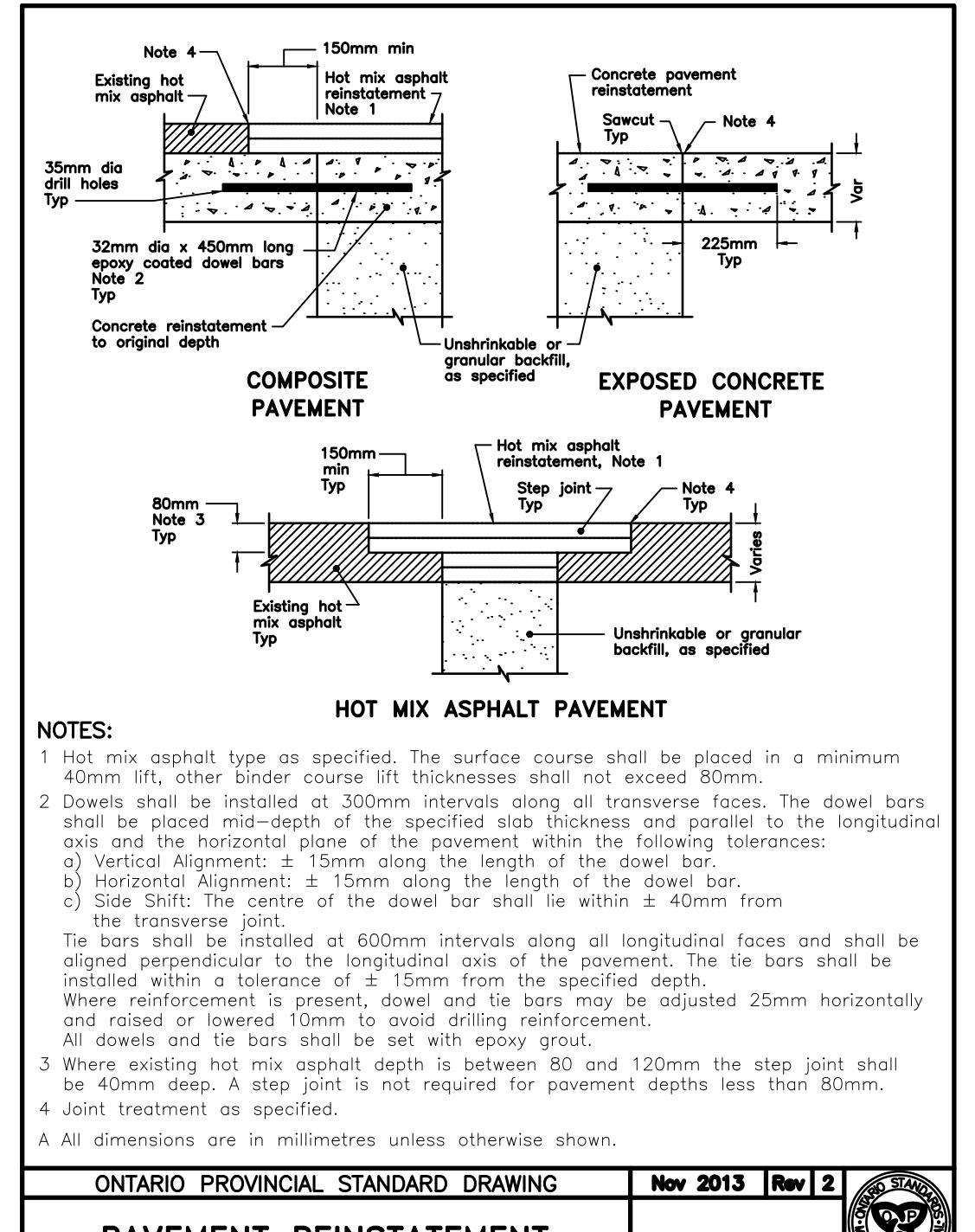


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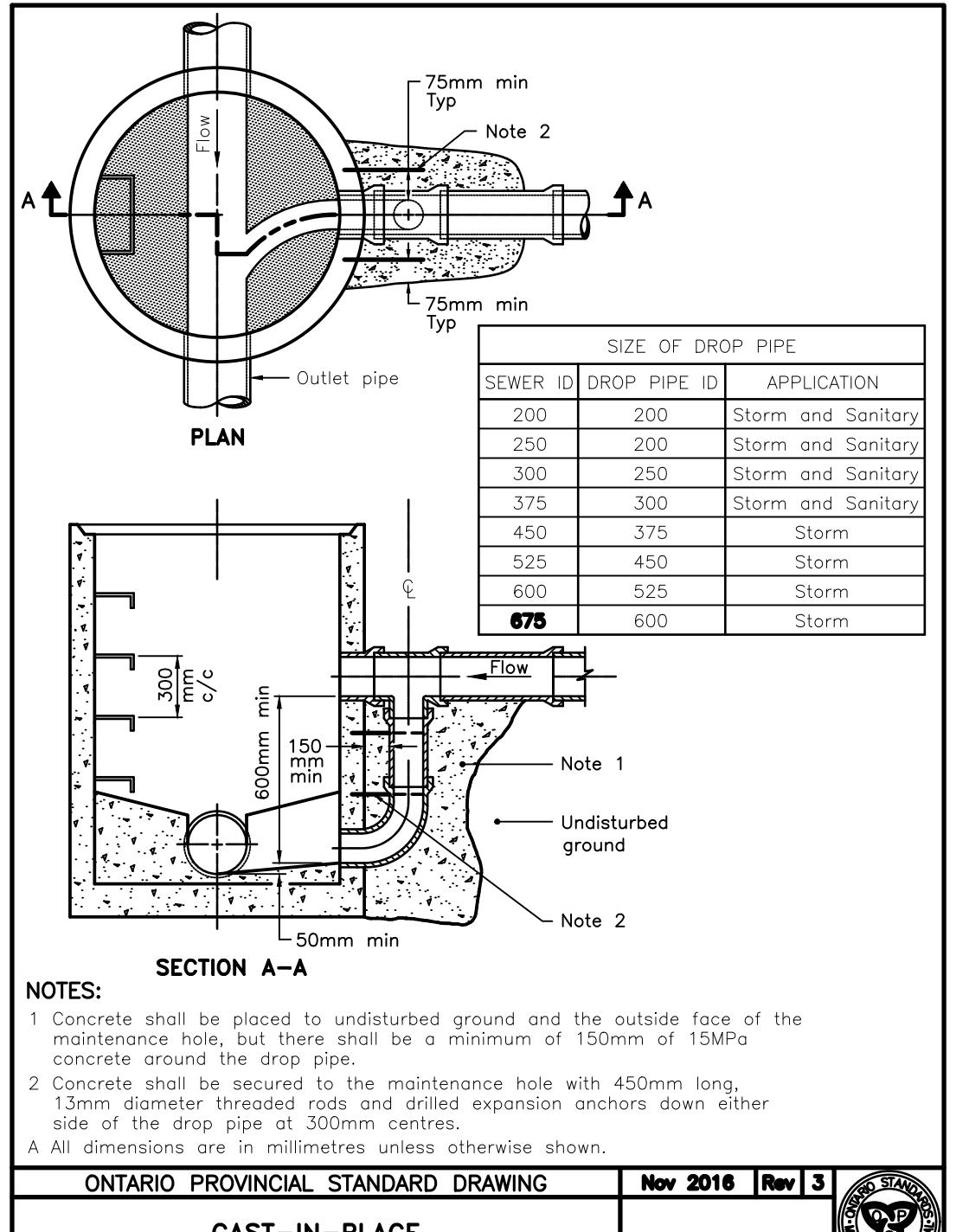
Title:
CEDAR CRESCENT VILLAGE
PROPOSED DEVELOPMENT
PORT ELGIN BEACH
Town of Saugeen Shores, Ont.
SEDIMENTATION AND EROSION CONTROL PLAN

Client:
G. M. DIEMERT ARCHITECTS LTD.

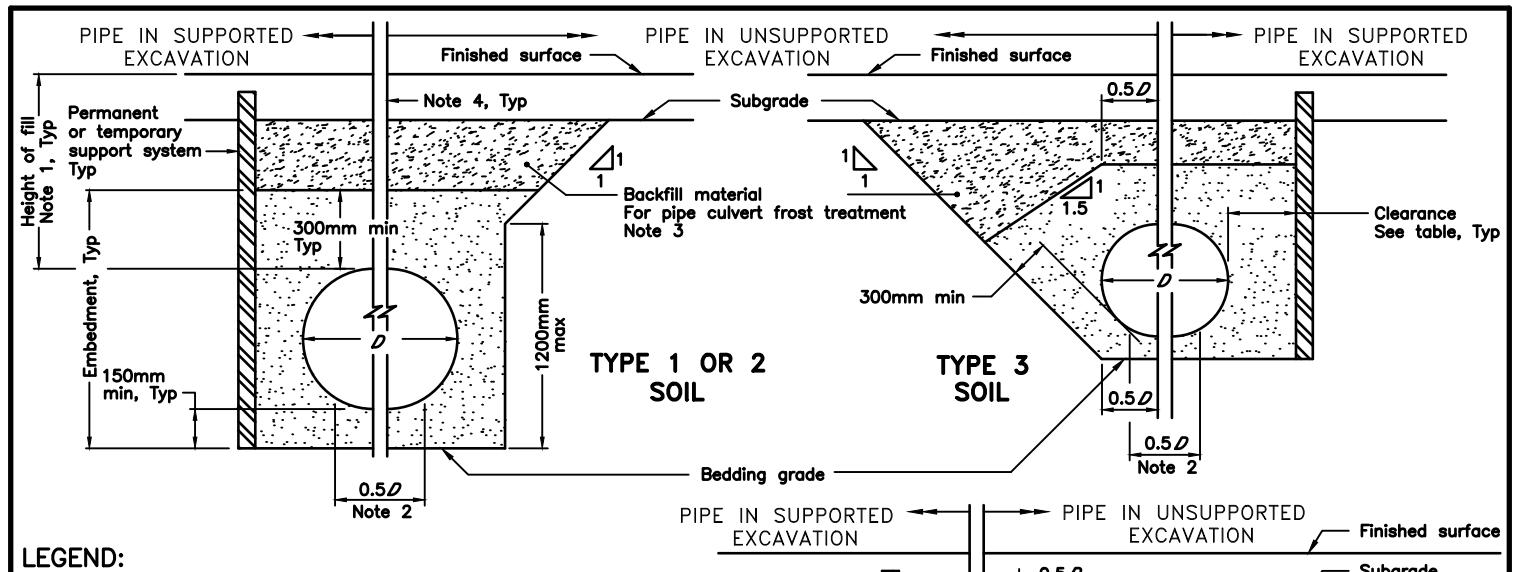
Design: LFP **Scale:** 1:300
Drawn: LFP **Approved:**
Checked: SJC
Date: MAR 2021
Design Engineer:
DRAWING No. 01867-SEC1



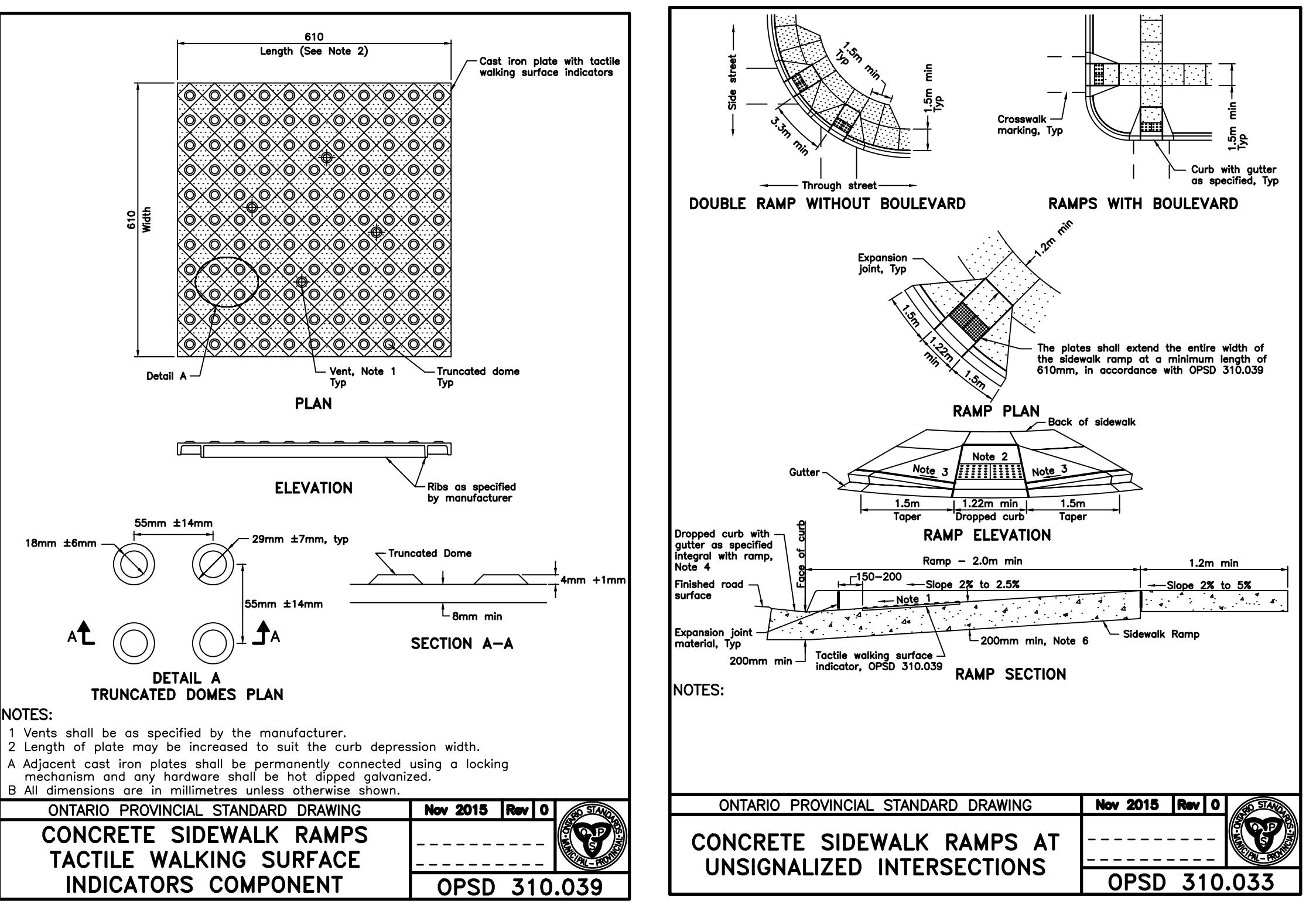
ONTARIO PROVINCIAL STANDARD DRAWING Nov 2013 Rev 2
PAVEMENT REINSTATEMENT FOR UTILITY CUTS
OPSD 509.010



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2016 Rev 3
CAST-IN-PLACE MAINTENANCE HOLE DROP STRUCTURE TEE
OPSD 1003.010



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 3
FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION
OPSD 802.010



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0
CONCRETE SIDEWALK RAMPS TACTILE WALKING SURFACE INDICATORS COMPONENT
OPSD 310.033

TOWN OF SAUGEEN SHORES ENGINEERING STANDARDS

GENERAL - CONSTRUCTION

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH TOWN OF SAUGEEN SHORES STANDARDS AND OPS. WHERE CONFLICT OCCURS, TOWN STANDARDS GOVERN.
2. Dewatering to be carried out in accordance with OPS 517 and 518 to maintain all trenches in a dry condition.
3. ALL ENGINE DRIVEN PUMPS TO BE ADEQUATELY SILENCED, SUITABLE FOR OPERATION IN A RESIDENTIAL DISTRICT.
4. DISTURBED AREAS TO BE REINSTATED TO PREVIOUS CONDITION OR BETTER.
5. ALL MAINTENANCE HOLE FRAMES AND COVERS TO BE INITIALLY SET TO BASE COURSE HL4 ASPHALT ELEVATION AND ULTIMATELY RAISED BY ADDING SOLID ONE PIECE CAST IRON ADJUSTMENT RINGS PRIOR TO PLACING SURFACE COURSE HL3 ASPHALT.
6. ALL EXISTING MAINTENANCE HOLES TO BE RAISED OR LOWERED TO PROPOSED GRADE. MAXIMUM ALLOWABLE HEIGHT OF ADJUSTMENT TO BE 300mm.
7. ALL EXISTING HYDRANTS AND VALVES TO BE RAISED OR LOWERED TO PROPOSED GRADE.
8. TRENCHES FOR UTILITIES TO BE MINIMUM 600mm WIDE BACKFILLED WITH APPROVED NATIVE MATERIAL AND COMPACTED ALL TO THE SATISFACTION OF THE LOCAL UTILITY.
9. CONDUITS FOR ROAD CROSSINGS TO EXTEND 1.0m BEYOND CURB c/w PULL ROPES. INSTALL CONDUITS TO LOCAL STANDARDS.
10. MAINTAIN A 150mm VERTICAL SEPARATION (MINIMUM) BETWEEN SEWERS AT CROSSINGS.
11. CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK AND COORDINATE CONSTRUCTION ACCORDINGLY.
12. TOPSOIL TO BE STRIPPED FROM SITE SHALL BE STOCKPILED AS DIRECTED BY ENGINEER.

ROADWAYS

1. CONCRETE CURB AND GUTTER TO OPSD 600.040, 600.060 OR 600.100 AS INDICATED.

2. CURB AND GUTTER TERMINATION TO OPSD 608.010.

3. CURB AND GUTTER CONSTRUCTION SHALL CONFORM TO OPS 353, NOV. 2006. STREET AND TRAFFIC SIGNS TO TOWN STANDARD TO BE UNISTRUT CANADA

4. CONTRACTOR TO SUPPLY AND INSTALL LTD. TELESPAR YIELDING BREAKAWAY SYSTEM 3.75m x 50mm SQUARE METAL POLE OR APPROVED EQUIVALENT.

5. SUBGRADE TO BE COMPACTED TO A MAXIMUM DRY DENSITY OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY (MDD). COMPACTION PER OPS 501, NOV. 2005.

6. GRANULAR 'A' AND 'B' MATERIALS TO BE COMPACTED TO 100% MDD, PER OPS 501, NOV. 2005.

7. BOULEVARD COMPACTION TO 95% OF MATERIAL'S MDD.

8. ROADWAY SUBGRADE TO BE PROOF REPLIED IN PRESENCE OF GEOTECHNICAL ENGINEER.

9. STANDARD ROAD BASE SHALL CONSIST OF 300mm GRANULAR 'B' AND 150mm GRANULAR 'A'.

10. PAVEMENT ON NEW ROADS TO BE HOT MIX HL4 (50mm) BASE COURSE AND HL3 (40mm) PER OPS 310, NOV. 2003.

11. SANITARY SEWERS AND SERVICES

1. MAINTENANCE HOLES TO OPS 1001.01 (1200mm²)

2. BENCHING TO OPSD 1004.01

3. FRAMES AND COVERS TO BE OPSD 401.01 TYPE 'A', CLOSED COVER.

4. SERVICE CONNECTIONS TO BE 125mm, TERMINATED AT THE PROPERTY LINE WITH A 125x125x100mm WYE C/W CAP, A 100mm² RISER C/W 100mm² LONG SWEEP CAPPED AT SURFACE. SEE TOWN STANDARDS DRAWING.

5. SERVICE CONNECTIONS TO OPSD 1006.020 WITH SUITABLE NATIVE BEDDING OR GRANULAR 'A'. SEE TOWN STANDARD ON DWG. NO 308015-09.

6. BEDDING FOR SEWER SHALL BE PER OPSD 1005.02. BEDDING MATERIAL FOR SANITARY SEWER AND SERVICES SHALL BE APPROVED NATIVE MATERIAL OR GRANULAR 'A'.

7. BACKFILL PER OPSD 803.04 USING APPROVED NATIVE BACKFILL.

8. BACKFILL AND BEDDING MATERIAL TO BE COMPACTED PER OPS 410 AND 514.

9. TESTING TO OPS 410, APRIL 2008.

10. 200mm LONG 13mm² SS 314 BOLTS WITH NUTS AND WASHERS TO BE INSTALLED IN MANHOLE COVERS LIFT HOLES.

TOWN OF SAUGEEN SHORES ENGINEERING STANDARDS

Watermain Pipe	
100 mm Ø and larger	PVC DR18 (Class 150)
50 mm Ø	PVC Series 160
Gate Valves	Mueller, mechanical joint, resilient seat, right hand closing
Valve Boxes	130 mm Ø (3/4") cast iron or ductile iron slider type with a standard cover and guide plate at manufactured by Bibby - St. Croix or approved equivalent
Hydrants	Canada Valve "Century", yellow with one standard 100 mm Storz quick connect fitting on the pump port and two 63.5 m (2 1/2") nozzles with CSA Standard thread. Left hand closing
Fittings	Tees, bends, reducers, sleeves, etc. Mechanical joint, cast iron or ductile iron
Saddles	Broad band, stainless steel double bolted
Connection Stops	Mueller A-1500 or Ford 244-333 (3/4") or Ford 244-444 (1")
Service Material	Type K Soft Copper, Rehau Munijex service line or IPEX SDR9 service line
Curb Boxes	Mueller A-726-7 for 1500 mm to 1800 mm cover
Curb Box Extension Rods	Stainless Steel to within 600 mm of surface
Tracer Wire	12 GA covered wire
Grip Rings	To be used at all mechanical joint fittings
Fasteners	Protecto caps and zinc die-cast anchors on all mechanical joints
Test Station	50mm underground test station by Handley Industries

12. UTILITY ROAD CROSSING CONDUITS - 100mm² TYPE II PVC.

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Notes
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2. PROPOSED DEVELOPMENT DETAILS DERIVED FROM INFORMATION SHOWN ON PLAN BY G.M. DIEMERT ARCHITECTS LTD.
3. SANITARY SEWER TO BE PVC SDR 35.
4. ALL STORM CATCHBASINS AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP AS PER THE APPLICABLE OPS.
5. STORM CATCHBASINS AND ALL STORM MANHOLES TO BE PERFORATED HOPE IN 50mm² WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE EXCEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE SOLID PIPE. SEE DETAIL SHEET 01867-DET1.
6. MAINTAIN 2.50m CLEARANCE BETWEEN STORM SEWER AND WATERMAIN.
7. ALL WATERMAIN SERVICES TO BE PVC DR18.
8. ALL SANITARY SERVICES TO BE PVC DR18.
9. SIDEWALKS SHALL BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1-A OR APPROVED EQUIVALENT.
10. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
11. ALL CONSTRUCTION TO BE COMPLETED TO TOWN OF SAUGEEN SHORES ENGINEERING STANDARDS.

TOWN OF SAUGEEN SHORES ENGINEERING STANDARDS

WATERMAIN AND WATER SERVICES

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH TOWN OF SAUGEEN SHORES STANDARDS AND OPS. WHERE CONFLICT OCCURS, TOWN STANDARDS GOVERN.
2. SERVICE CONNECTIONS TO OPSD 1104.01.
3. HYDRANT, INSTALLATION PER OPSD 1105.01 AND TO TOWN STANDARDS.
4. USE APPROVED NATIVE MATERIAL OR GRANULAR 'A' BEDDING PER OPSD - 1102.02. BACKFILL TO BE APPROVED NATIVE MATERIAL PER OPSD 803.04.
5. WATERMAIN, SERVICES, AND HYDRANTS TO BE INSTALLED PER OPS 701, NOV. 2006.
6. ALL PVC WATERMAIN TO HAVE TRACER WIRE BETWEEN HYDRANTS AND OTHER CONDUCTING APPURTENANCES.
7. MINIMUM COVER TO BE 1.8m.

STORM SEWERS AND SERVICES

1. MAINTENANCE HOLES TO OPS 1001.01 (1200mm²)
2. BENCHING TO OPSD 1004.01
3. FRAMES AND COVERS TO BE OPSD 401.01 TYPE 'A', CLOSED COVER.
4. SERVICE CONNECTIONS TO BE 150mm, TERMINATED AT THE PROPERTY LINE WITH A 150mm² RISER C/W 150mm² LONG SWEEP CAPPED AT SURFACE. SEE TOWN STANDARDS DRAWING.
5. SERVICE CONNECTIONS TO OPSD 1006.020 WITH SUITABLE NATIVE BEDDING OR GRANULAR 'A'. SEE TOWN STANDARD ON DWG. NO 308015-09.
6. BEDDING FOR SEWER SHALL BE PER OPSD 1005.02. BEDDING MATERIAL FOR SANITARY SEWER AND SERVICES SHALL BE APPROVED NATIVE MATERIAL OR GRANULAR 'A'.
7. BACKFILL PER OPSD 803.04 USING APPROVED NATIVE BACKFILL.
8. BACKFILL AND BEDDING MATERIAL TO BE COMPACTED PER OPS 410 AND 514.
9. MATERIALS
10. SANITARY SEWER - SDR35 PVC.
11. SANITARY SERVICES - SDR28 PVC, 125Ø USING TEE CONNECTIONS TO MAIN.
12. CONCRETE CURB AND GUTTER TO OPSD 600.040, 600.060 OR 600.100 AS INDICATED.
13. CURB AND GUTTER TERMINATION TO OPSD 608.010.
14. CURB AND GUTTER CONSTRUCTION SHALL CONFORM TO OPS 353, NOV. 2006. STREET AND TRAFFIC SIGNS TO TOWN STANDARD TO BE UNISTRUT CANADA
15. CONTRACTOR TO SUPPLY AND INSTALL LTD. TELESPAR YIELDING BREAKAWAY SYSTEM 3.75m x 50mm SQUARE METAL POLE OR APPROVED EQUIVALENT.
16. SUBGRADE TO BE COMPACTED TO A MAXIMUM DRY DENSITY OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY (MDD). COMPACTION PER OPS 501, NOV. 2005.
17. HYDRANTS - CENTURY WITH 2x63.5mm PORTS AND 1000x STORTZ PUMPER PORT, OR AS APPROVED BY THE FIRE CHIEF OF TOWN OF SAUGEEN SHORES. MUELLER A-2360-3 WEDGE STYLE GATE VALVE SHALL BE PLACED 1.0m FROM HYDRANT. EACH HYDRANT TO BE C/W 50mm DIA. UNDERGROUND TEST STATION FOR TOWN STANDARDS.
18. ALL HYDRANT INSTALLATIONS WILL ALSO INCLUDE A 50mm DIA. UNDERGROUND TEST STATION. THE TEST STATION WILL BE APPROX. 300mm BEHIND EACH HYDRANT AND COME COMPLETE WITH 2 TERMINALS ON THE TERMINAL BLOCK THAT IS FASTENED TO THE LID. THE LID SHALL HAVE A PERMANENT MAGNET AND/OR A METAL LID FOR EASY DETECTION WITH AN ELECTRONIC LOCATOR. THE TOP OF THE TEST STATION SHALL BE INSTALLED FLUSH TO THE PROPOSED FINISH GRADE ELEVATION. TEST STATIONS SHALL BE SUPPLIED BY HANDLEY INDUSTRIES OR APPROVED EQUIVALENT.
19. VALVES - AWWA C509 RESILIENT SEATED GATE VALVES (RIGHT HAND CLOSING) WITH MECHANICAL JOINT ENDS. VALVE BOX SHALL BE 130 MAX. DIA. CAST OR DUCTILE IRON SLIDER TYPE WITH STANDARD LOWER SECTION AND GUIDE PLATE BY BIBBY-ST. CROIX. PREFABRICATED HOLES SHALL BE PLACED NEAR TOP OF VALVE BOX FOR TRACER WIRE.
20. "STOP AND DRAIN" VALVES ARE TO BE USED AT BLOW-OFFS. MUELLER A-15219 OR APPROVED EQUIVALENT TO BE USED.
21. HYDRANTS TO BE PAINTED YELLOW BARREL WITH YELLOW TOP, 100mm (4") DIAMETER CONNECTION CAP IN BLACK. OTHER CONNECTION CAPS TO BE YELLOW. SUPPLY AND PLACE FIBERGLASS POST AND SIGN ON 63.5mm(2-1/2") PORT TO INDICATE LOCATION IN WINTER WEATHER.
22. UTILITY ROAD CROSSING CONDUITS - 100mm² TYPE II PVC.

ROADWAYS

1. CONCRETE CURB AND GUTTER TO OPSD 600.040, 600.060 OR 600.100 AS INDICATED.

2. CURB AND GUTTER TERMINATION TO OPSD 608.010.

3. CURB AND GUTTER CONSTRUCTION SHALL CONFORM TO OPS 353, NOV. 2006. STREET AND TRAFFIC SIGNS TO TOWN STANDARD TO BE UNISTRUT CANADA

4. CONTRACTOR TO SUPPLY AND INSTALL LTD. TELESPAR YIELDING BREAKAWAY SYSTEM 3.75m x 50mm SQUARE METAL POLE OR APPROVED EQUIVALENT.

5. SUBGRADE TO BE COMPACTED TO A MAXIMUM DRY DENSITY OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY (MDD). COMPACTION PER OPS 501, NOV. 2005.

6. GRANULAR 'A' AND 'B' MATERIALS TO BE COMPACTED TO 100% MDD, PER OPS 501, NOV. 2005.

7. BOULEVARD COMPACTION TO 95% OF MATERIAL'S MDD.

8. ROADWAY SUBGRADE TO BE PROOF REPLIED IN PRESENCE OF GEOTECHNICAL ENGINEER.

9. STANDARD ROAD BASE SHALL CONSIST OF 300mm GRANULAR 'B' AND 150mm GRANULAR 'A'.

10. PAVEMENT ON NEW ROADS TO BE HOT MIX HL4 (50mm) BASE COURSE AND HL3 (40mm) PER OPS 310, NOV. 2003.

11. SANITARY SEWERS AND SERVICES

1. MAINTENANCE HOLES TO OPS 1001.01 (1200mm²)

2. BENCHING TO OPSD 1004.01

3. FRAMES AND COVERS TO BE OPSD 401.01 TYPE 'A', CLOSED COVER.

4. SERVICE CONNECTIONS TO BE 125mm, TERMINATED AT THE PROPERTY LINE WITH A 125x125x100mm WYE C/W CAP, A 100mm² RISER C/W 100mm² LONG SWEEP CAPPED AT SURFACE. SEE TOWN STANDARDS DRAWING.

5. SERVICE CONNECTIONS TO OPSD 1006.020 WITH SUITABLE NATIVE BEDDING OR GRANULAR 'A'. SEE TOWN STANDARD ON DWG. NO 308015-09.

6. BEDDING FOR SEWER SHALL BE PER OPSD 1005.02. BEDDING MATERIAL FOR SANITARY SEWER AND SERVICES SHALL BE APPROVED NATIVE MATERIAL OR GRANULAR 'A'.

7. BACK

