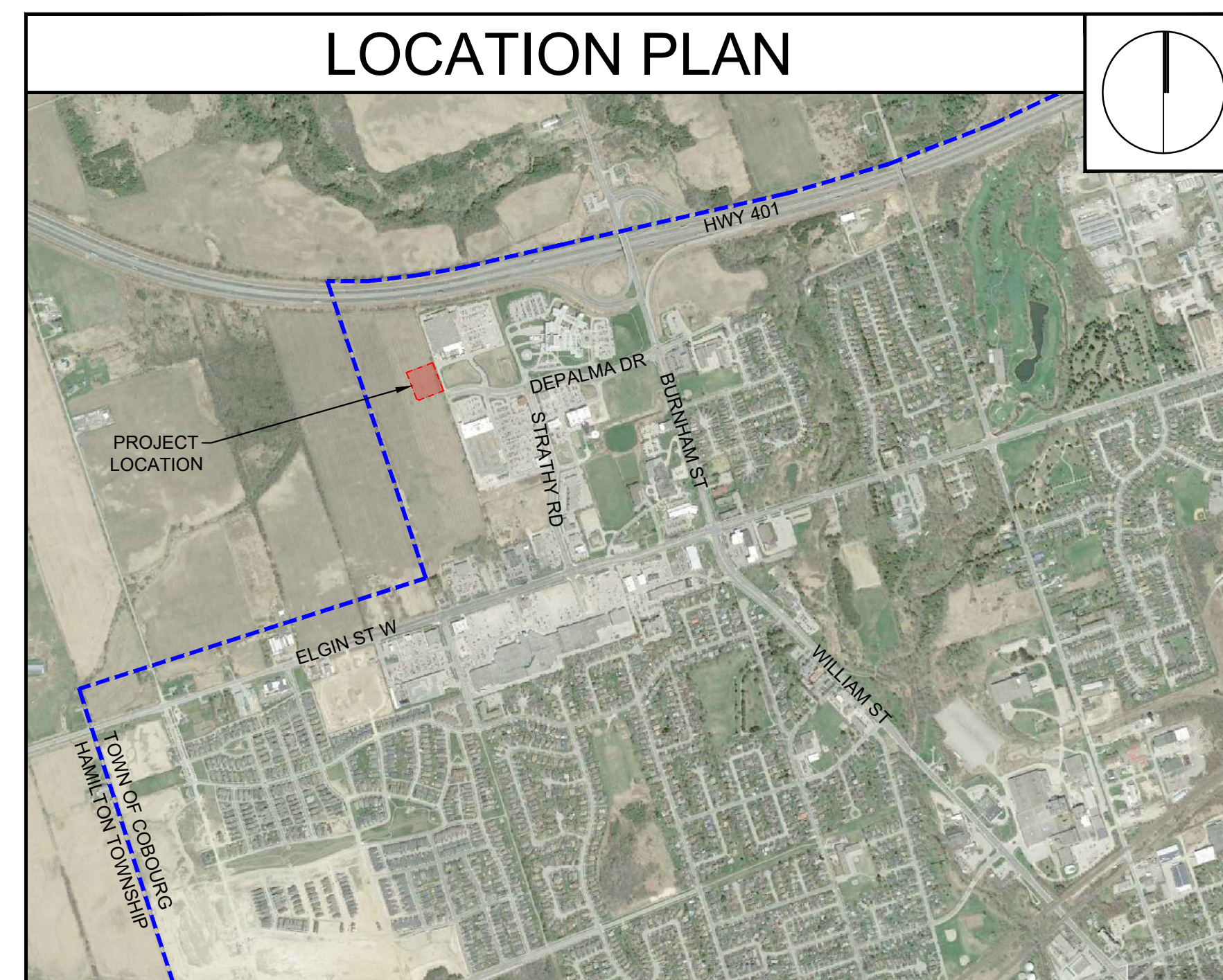


COBOURG HOLIDAY INN EXPRESS

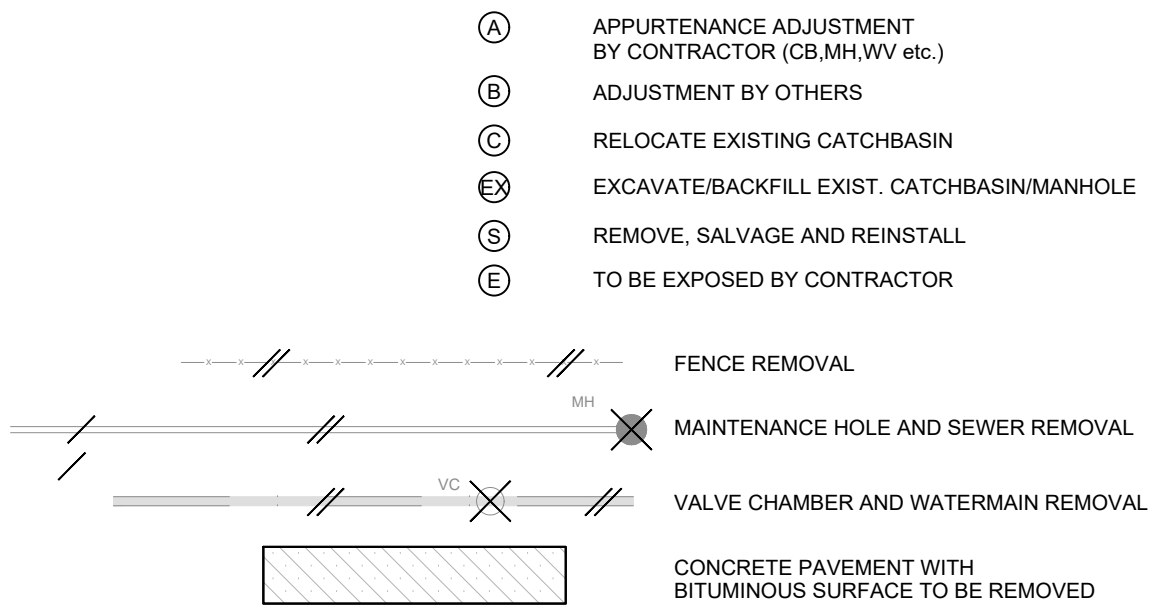
TOWN OF COBOURG
ENGAGE PROJECT No. 20005



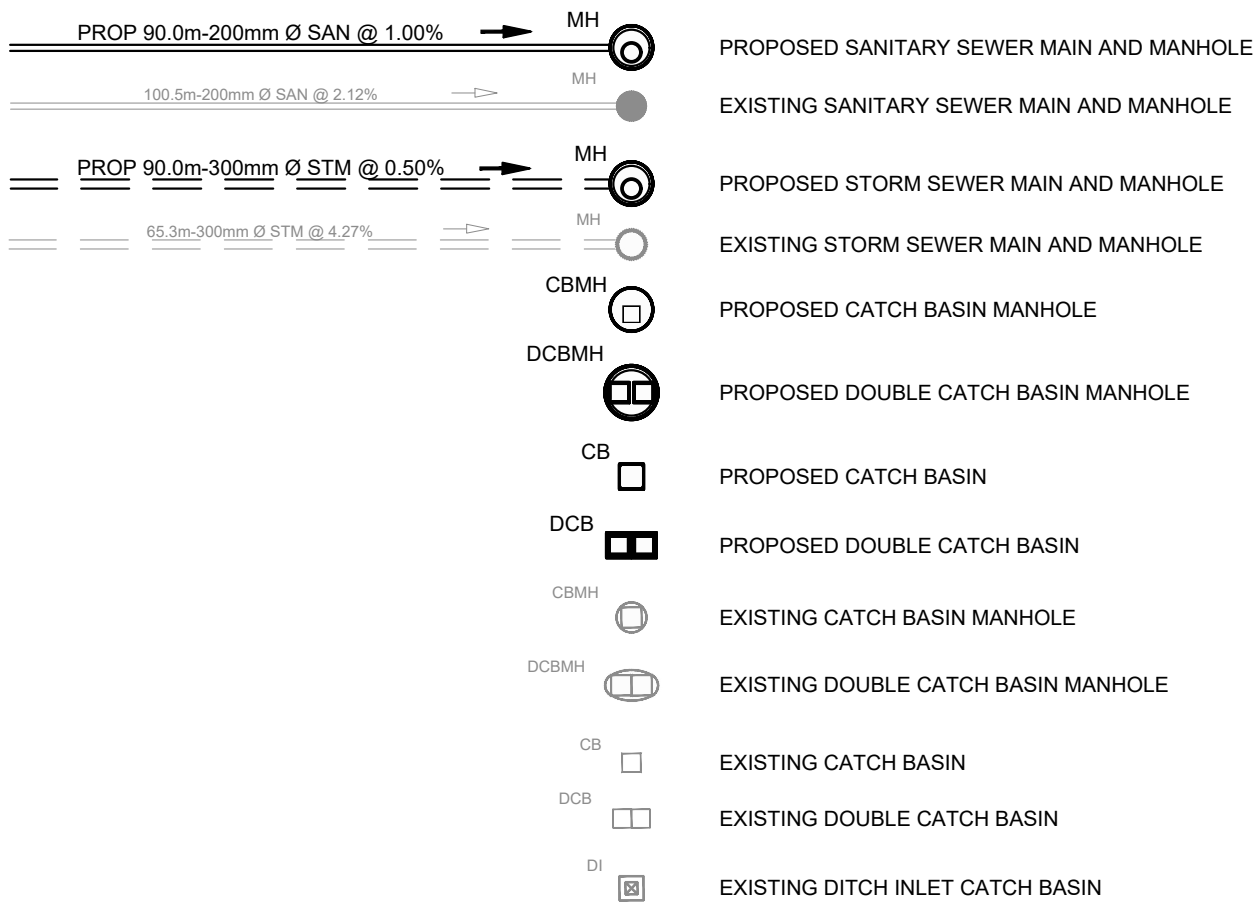
DRAWING INDEX	
DRAWING	SHEET
STANDARD NOTES & LEGEND	01
REMOVALS AND EROSION & SEDIMENT CONTROL PLAN	02
GRADING PLAN	03
SITE SERVICING PLAN	04

LEGEND

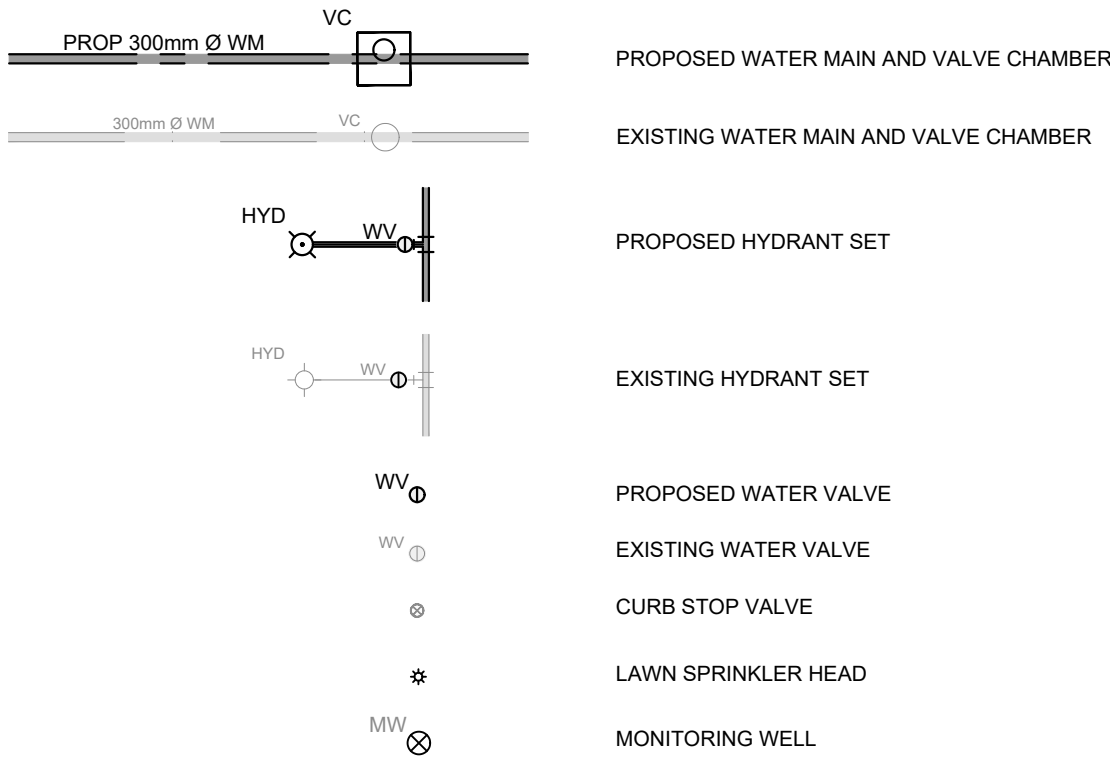
REMOVAL AND ADJUSTMENTS



UNDERGROUND SERVICES



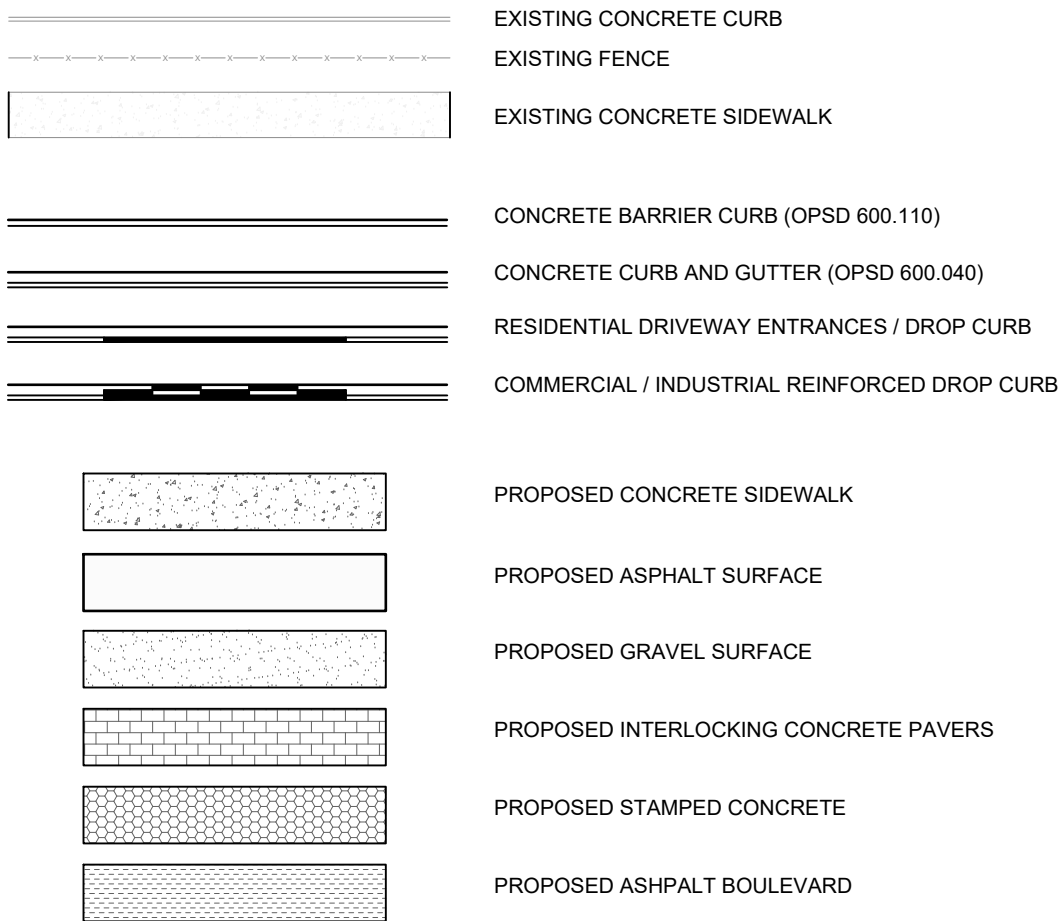
WATER



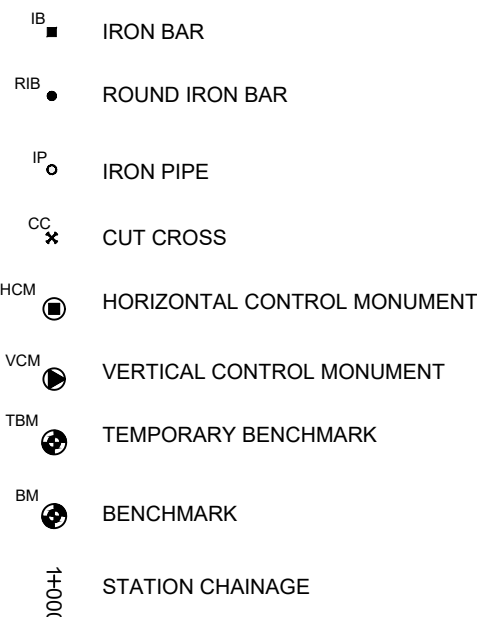
NATURAL GAS



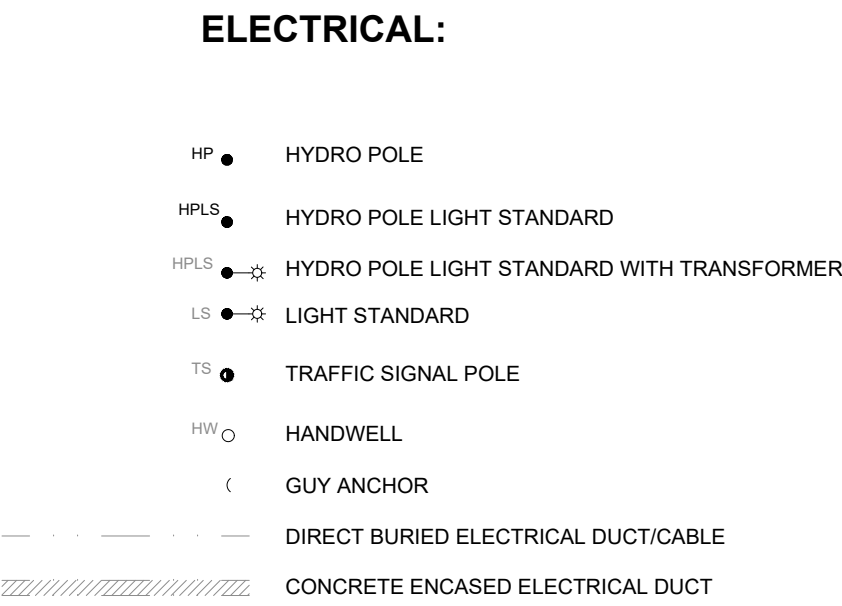
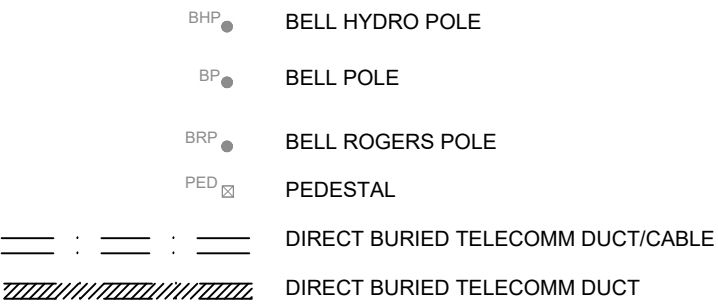
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LEGAL AND CONTROL SYMBOLS:



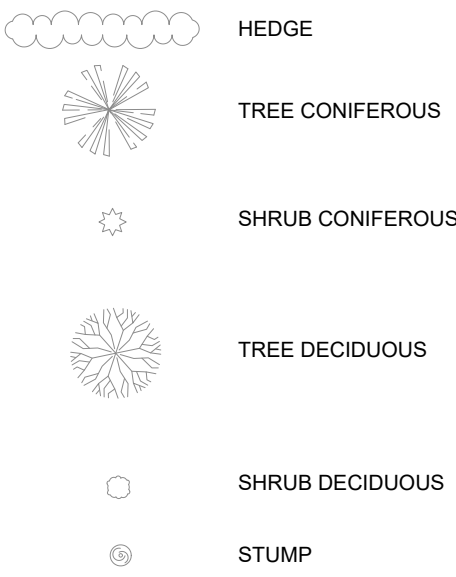
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**TELECOMMUNICATIONS:**

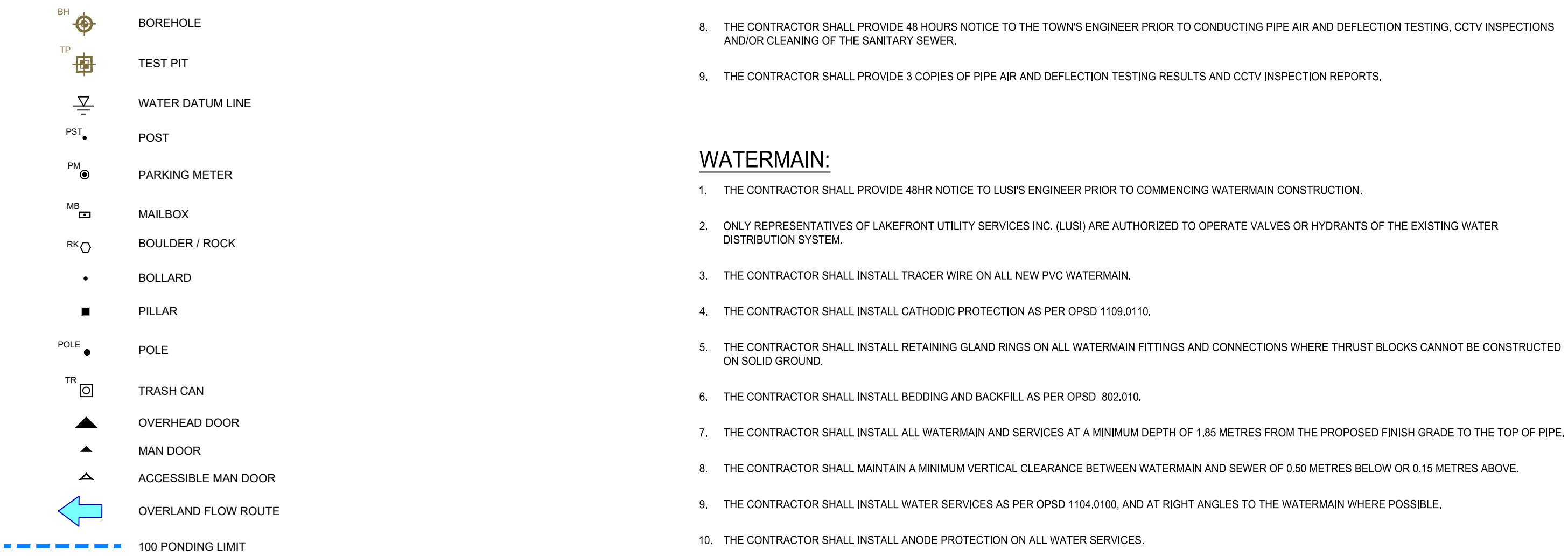
SIGNAGE:



VEGETATION:



MISCELLANEOUS:



ONTARIO PROVINCIAL STANDARDS

LIGHT DUTY SILT FENCE	OPSD-219.110	OPSS-805 (NOV 2010)
STRAW BALE FLOW CHECK	OPSD-219.180	OPSS-805 (NOV 2010)
CATCH BASIN AND CATCH BASIN MANHOLE FRAME AND GRATE	OPSD-400.020	OPSS-407 (NOV 2014) OPSS-402 (NOV 2013)
MAINTENANCE HOLE, SQUARE FRAME, CIRCULAR COVER	OPSD-401.010	OPSS-407 (NOV 2014) OPSS-402 (NOV 2013)
MAINTENANCE HOLE STEPS SOLID ALUMINUM	OPSD-405.020	OPSS-407 (NOV 2014)
CONCRETE BARRIER CURB	OPSD-600.110	OPSS-353 (NOV 2010)
TACTILE WALKING SURFACE INDICATORS	OPSD-310.039	OPSS-353 (NOV 2010)
1200mm PRECAST MANHOLE	OPSD-701.010	OPSS-407 (NOV 2014) OPSS-402 (NOV 2013)
SANITARY MANHOLE BENCHING DETAILS	OPSD-701.021	OPSS-407 (NOV 2014)
1200mm PRECAST MANHOLE COMPONENTS	OPSD-701.030	OPSS-407 (NOV 2014)
PRECAST CONCRETE CATCH BASIN	OPSD-705.010	OPSS-402 (NOV 2013)
PRECAST CONCRETE DITCH INLET CATCH BASIN	OPSD-705.030	OPSS-407 (NOV 2014)
FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION	OPSD-802.010	OPSS-407 (NOV 2014) OPSS-402 (NOV 2013)
RIGID PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION TYPE 1 OR 2 SOIL	OPSD-802.030	OPSS-407 (NOV 2014) OPSS-410 (NOV 2013)
CONCRETE SIDEWALK	OPSD-310.010 OPSS-310.020	OPSS-351 (NOV 2010)

STORM SEWER:

1. THE CONTRACTOR SHALL INSTALL BEDDING, BACKFILL AND COVER PER ONTARIO PROVINCIAL STANDARD DRAWING (OPSD) 802.010 FOR PVC PIPE AND SERVICES, AND OPSD 802.030 FOR CONCRETE AND CORRUGATED STEEL PIPE.
2. THE CONTRACTOR SHALL INSTALL PRECAST CONCRETE MANHOLES AS PER OPSD 701.010, 701.011, 701.012, 401.010, 404.020, 405.010 AND 405.020, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. CONCRETE MANHOLES SHALL BE BENCHES AS PER OPSD 701.021.
3. THE CONTRACTOR SHALL INSTALL CONCRETE CATCHBASIN MANHOLES AS PER OPSD 701.010, 701.011, 701.012, 401.020, 404.020, 405.010 AND 405.020, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. CATCH-BASIN MANHOLES SHALL BE PROVIDED WITH A 300mm SUMP.
4. THE CONTRACTOR SHALL INSTALL CONCRETE CATCHBASINS COMPLETE WITH FRAME, GRATE AND 300mm PUMP LEAD AS PER OPSD 705.010 AND OPSD 400.020, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. CATCHBASINS SHALL BE PROVIDED WITH A 600mm SUMP.
5. THE CONTRACTOR SHALL INSTALL 100mm SUBDRAIN PIPE UNDER CONCRETE CURB AND PAVEMENT STRUCTURE AS PER OPSD 216.021, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
6. THE CONTRACTOR SHALL PERFORM AIR AND DEFLECTION TESTING ON ALL STORM SEWERS IN ACCORDANCE WITH MUNICIPAL STANDARDS AND OPSS 410 RESPECTIVELY.
7. THE CONTRACTOR SHALL CLEAN AND PERFORM CCTV INSPECTION ON ALL STORM SEWERS IN ACCORDANCE WITH OPSS 409. THE SUBDIVIDERS CONSULTING ENGINEER SHALL REPORT ALL IDENTIFIED DEFECTS IN THE NEW STORM SEWER SYSTEM AND PROVIDE PROPOSED CORRECTIVE ACTIONS TO THE TOWN ENGINEER FOR REVIEW AND APPROVAL. ALL DEFECTS SHALL BE CORRECTED TO THE SATISFACTION OF THE TOWN ENGINEER PRIOR TO PUTTING THE SEWERS INTO OPERATION.
8. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE TOWN'S ENGINEER PRIOR TO CONDUCTING PIPE AIR AND DEFLECTION TESTING, CCTV INSPECTIONS AND/OR CLEANING OF THE STORM SEWER.
9. THE CONTRACTOR SHALL PROVIDE 3 COPIES OF PIPE AIR AND DEFLECTION TESTING RESULTS AND CCTV INSPECTION REPORTS.

SANITARY SEWER:

1. THE CONTRACTOR SHALL INSTALL BEDDING, BACKFILL AND COVER PER ONTARIO PROVINCIAL STANDARD DRAWING (OPSD) 802.010 FOR PVC PIPE AND SERVICES.
2. THE CONTRACTOR SHALL INSTALL PRECAST CONCRETE MANHOLES AS PER OPSD 701.010, 401.010, 404.020, 405.010 AND 405.020, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
3. THE CONTRACTOR SHALL BENCH ALL SANITARY MANHOLES AS PER OPSD 701.021.
4. THE CONTRACTOR SHALL PERFORM AIR AND DEFLECTION TESTING ON ALL SANITARY SEWERS IN ACCORDANCE WITH MUNICIPAL STANDARDS AND OPSS 410 RESPECTIVELY.
5. THE CONTRACTOR SHALL CLEAN AND PERFORM CCTV INSPECTION ON ALL SANITARY SEWERS IN ACCORDANCE WITH OPSS 409. THE SUBDIVIDERS CONSULTING ENGINEER SHALL REPORT ALL IDENTIFIED DEFECTS IN THE NEW SANITARY SEWER SYSTEM AN PROVIDE PROPOSED CORRECTIVE ACTIONS TO THE TOWN'S ENGINEER FOR REVIEW AND APPROVAL. ALL DEFECTS SHALL BE CORRECTED TO THE SATISFACTION OF THE TOWN'S ENGINEER PRIOR TO PUTTING THE SEWERS INTO OPERATION.
6. THE CONTRACTOR SHALL PERFORM DEFLECTION TESTING OF ALL FLEXIBLE SANITARY SEWERS SHALL BE COMPLETED IN ACCORDANCE WITH OPSS MUNI 410.07.16.05. THE SUBDIVIDER'S CONSULTING ENGINEER SHALL PREPARE AND SUBMIT A RECORD OF THE TEST RESULTS TO THE TOWN'S ENGINEER PRIOR TO PUTTING THE SANITARY SEWER INTO OPERATION.
7. THE CONTRACTOR SHALL PERFORM LEAKAGE TESTING OF ALL SANITARY SEWERS SHALL BE COMPLETED IN ACCORDANCE WITH OPSS MUNI 410.07.16.04. EXFILTRATION TEST. THE SUBDIVIDER'S CONSULTING ENGINEER SHALL PREPARE AND SUBMIT A RECORD OF THE TEST RESULTS TO THE TOWN'S ENGINEER PRIOR TO PUTTING THE SANITARY SEWERS INTO SERVICE.
8. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE TOWN'S ENGINEER PRIOR TO CONDUCTING PIPE AIR AND DEFLECTION TESTING, CCTV INSPECTIONS AND/OR CLEANING OF THE SANITARY SEWER.
9. THE CONTRACTOR SHALL PROVIDE 3 COPIES OF PIPE AIR AND DEFLECTION TESTING RESULTS AND CCTV INSPECTION REPORTS.

WATERMAIN

1. THE CONTRACTOR SHALL PROVIDE 48HOURS NOTICE TO LUSI'S ENGINEER PRIOR TO COMMENCING WATERMAIN CONSTRUCTION.
2. ONLY REPRESENTATIVES OF LAKEFRONT UTILITY SERVICES INC. (LUSI) ARE AUTHORIZED TO OPERATE VALVES OR HYDRANTS OF THE EXISTING WATER DISTRIBUTION SYSTEM.
3. THE CONTRACTOR SHALL INSTALL TRACER WIRE ON ALL NEW PVC WATERMAIN.
4. THE CONTRACTOR SHALL INSTALL CATHODIC PROTECTION AS PER OPSD 1108.0110.
5. THE CONTRACTOR SHALL INSTALL RETAINING GLAND RINGS ON ALL WATERMAIN FITTINGS AND CONNECTIONS WHERE THRUST BLOCKS CANNOT BE CONSTRUCTED ON SOLID GROUND.
6. THE CONTRACTOR SHALL INSTALL BEDDING AND BACKFILL AS PER OPSD 802.010.
7. THE CONTRACTOR SHALL INSTALL ALL WATERMAIN AND SERVICES AT A MINIMUM DEPTH OF 1.85 METRES FROM THE PROPOSED FINISH GRADE TO THE TOP OF PIPE.
8. THE CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER OF 0.50 METRES BELOW OR 0.15 METRES ABOVE.
9. THE CONTRACTOR SHALL INSTALL WATER SERVICES AS PER OPSD 1104.0100, AND AT RIGHT ANGLES TO THE WATERMAIN WHERE POSSIBLE.
10. THE CONTRACTOR SHALL INSTALL ANODE PROTECTION ON ALL WATER SERVICES.
11. THE CONTRACTOR SHALL INSTALL 19mmØ TYPE 'K' COPPER SERVICE CONNECTIONS.
12. THE CONTRACTOR SHALL INSTALL WATER SERVICE BOXES ON ALL WATER SERVICES. WATER SERVICE BOXES SHALL BE LOCATED BETWEEN PROPERTY LINE AND 0.30 METRES TOWARD THE CENTERLINE OF ROAD. SERVICE BOXES SHALL UNDER NO CIRCUMSTANCES BE LOCATED ON PRIVATE PROPERTY.
13. THE CONTRACTOR SHALL INSTALL A 2x4 AT THE END OF THE SERVICE THAT IS VISIBLE, CLEARLY LABELED, PAINTED BLUE, AND IDENTIFIES THE DEPTH TO THE SERVICE INVERT.
14. THE CONTRACTOR SHALL INSTALL ALL WATER SERVICES WITH A MINIMUM OFFSET OF 0.30 METRES FROM THE PROPOSED DRIVEWAY. SERVICE BOXES SHALL UNDER NO CIRCUMSTANCES BE LOCATED WITHIN THE PROPOSED DRIVEWAY.
15. THE CONTRACTOR SHALL INSTALL THRUST BLOCKS FOR VERTICAL BENDS AS PER OPSD 1103.020. THE CONTRACTOR SHALL INSTALL THRUST BLOCKS FOR HORIZONTAL BENDS AS PER OPSD 1103.010.
16. THE CONTRACTOR SHALL INSTALL HYDRANTS AS PER OPSD 1105.010.
17. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE LUSI'S ENGINEER PRIOR TO CONDUCTING WATERMAIN TESTING.
18. THE CONTRACTOR SHALL COMPLETE FLUSHING AND DISINFECTING OPERATIONS IN ACCORDANCE WITH MECP WATERMAIN DISINFECTION PROCEDURES. PRIOR TO FILLING THE NEW WATERMAIN FROM THE EXISTING WATER DISTRIBUTION SYSTEM THE SUBDIVIDER'S CONSULTING ENGINEER SHALL MEET WITH LUSI STAFF AND THE LUSI ENGINEER TO REVIEW THE MECP PROCEDURES AND THE MANDATORY BACKFLOW PROTECTION MEASURES OF ANSIAWWA STANDARD C651 TO BE IMPLEMENTED TO COORDINATE THE COMPLETION OF THE FILLING, TESTING, WITNESSING, FLUSHING AND DISINFECTION OF THE NEW WATERMAIN CONSTRUCTION.
19. THE CONTRACTOR SHALL COMPLETE HYDROSTATIC TESTING OF THE NEW WATERMAIN IN ACCORDANCE WITH OPSD 441.07.24.01 AND OPSD 441.07.24.03 AND WITNESSED BY A REPRESENTATIVE OF LUSI. IF THE WATERMAIN IS FILLED FROM THE EXISTING WATER DISTRIBUTION SYSTEM THE BACKFLOW PROTECTION MEASURES OF ANSIAWWA STANDARD C651 SHALL BE IMPLEMENTED TO THE SATISFACTION OF LUSI'S CERTIFIED OPERATOR WITHIN THE MEANING OF O.REG. 17003. THE SUBDIVIDERS CONSULTING ENGINEER SHALL DOCUMENT ALL TESTING CALCULATIONS AND SHALL HAVE A LUSI REPRESENTATIVE PRESENT TO WITNESS ALL TEST RESULTS UNTIL A SATISFACTORY RESULT IS ACHIEVED.
20. THE CONTRACTOR SHALL PROVIDE ALL WATERMAIN TESTING RESULTS (INCLUDING CHLORINATION, BACTERIOLOGICAL, PRESSURE AND FLOW) IN ACCORDANCE WITH LUSI SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE 2 COPIES OF ALL TEST RESULTS.

SURVEY

TOPOGRAPHIC SURVEY PROVIDED
BY DONEVAN FLEISCHMANN PETRICH LTD

BENCHMARK

GEODEDIC BENCHMARK No. 0011910U171

ELEV: 80,156m

NOTES:

1. ALL CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH:
 - TOWN OF COBOURG DESIGN STANDARDS
 - ONTARIO PROVINCIAL STANDARD DRAWINGS & SPECIFICATIONS
 - APPLICABLE CONTRACT DOCUMENTS AND ALL SPECIFICATIONS REFERENCED HEREIN.
2. THE CONTRACTOR SHALL CONSTRUCT ALL WORK IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT, HEALTH AND SAFETY REGULATIONS FOR CONSTRUCTION PROJECTS.
3. THE CONTRACTOR SHALL COORDINATE AND PAY FOR ALL PERMITS OR THIRD PARTY WORKS ASSOCIATED WITH SERVICING CONNECTIONS.
4. THE CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING IN PROXIMITY TO EXISTING SERVICES.
5. THE CONTRACTOR SHALL RESTORE OR REPLACE DAMAGED SERVICES TO EXISTING OR BETTER CONDITION.
6. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EXISTING OR BETTER CONDITION, OR PER THE ENGINEERING AND LANDSCAPE SPECIFICATIONS REFERENCED HEREIN.
7. THE CONTRACTOR SHALL COORDINATE AND PAY FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL, BOOK 7, TEMPORARY CONDITIONS.
8. THE CONTRACTOR SHALL DISPOSE OF ALL WASTE MATERIALS IN ACCORDANCE WITH THE MINISTRY OF THE ENVIRONMENT GUIDELINES AND LOCAL MUNICIPAL BYLAWS.

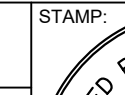
1.	1st SUBMISSION FOR SPA	SD	2020-06-05
No.	REVISION	BY	DATE



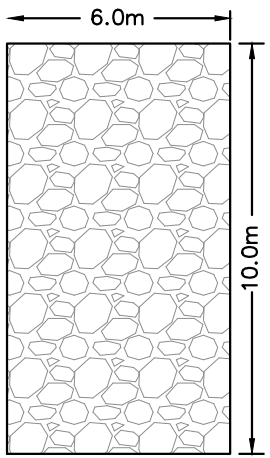
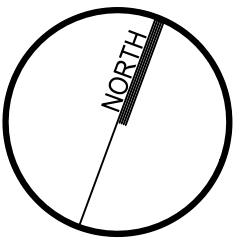
COBOURG HOLIDAY INN EXPRESS

TOWN OF COBOURG

STANDARD NOTES & LEGEND

TOWN OF COBOURG		
DRAWN BY:	S. DINGMAN	
DESIGNED BY:	S. DINGMAN	
APPROVED BY:	P. HURLEY	
DATE:	2020-04-15	

PROJECT NUMBER: 20005	SHEET NAME: SN	SHEET: 1 of 4
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200mmØ ANGULAR RIP
RAP 400mm DEPTH

1

MUD MAT
SCALE: N.T.S.

SURVEY
TOPOGRAPHIC SURVEY PROVIDED
BY DONEVAN FLEISCHMANN PETRICH LTD.

BENCHMARK
GEODEDIC BENCHMARK No. 0011910U171
ELEV: 80.156m

- NOTES:**
- SERVICE CONNECTION INFORMATION MAY BE INCOMPLETE. OR ONLY GENERALLY ACCURATE. SOME SANITARY SERVICES MAY ALSO HAVE SEPARATE CELLAR DRAIN PIPES.
 - TEMPORARY SUPPORT OF EXISTING UTILITY POLES MUST BE APPROVED BY THE OWNER. ALL ASSOCIATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS. AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
 - PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

REMOVAL AND ADJUSTMENTS

- Ⓐ APPURTENANCE ADJUSTMENT BY CONTRACTOR (CB,MH,WV etc.)
- Ⓑ ADJUSTMENT BY OTHERS
- Ⓒ RELOCATE EXISTING CATCHBASIN
- Ⓓ EXCAVATE/BACKFILL EX. STRUCTURE
- Ⓢ REMOVE, SALVAGE AND REINSTALL
- ⓧ REMOVE, PRIOR TO CONTRACT START
- Ⓔ TO BE EXPOSED BY CONTRACTOR

- FENCE REMOVAL
- MH --- MAINTENANCE HOLE AND SEWER REMOVAL
- WV --- WATER VALVE AND WATERMAIN REMOVAL
- ASPHALT REMOVAL
- LIMIT OF DISTURBANCE

1.	1st SUBMISSION FOR SPA	SD	2020-06-05
No.	REVISION	BY	DATE



**COBOURG
HOLIDAY INN EXPRESS**

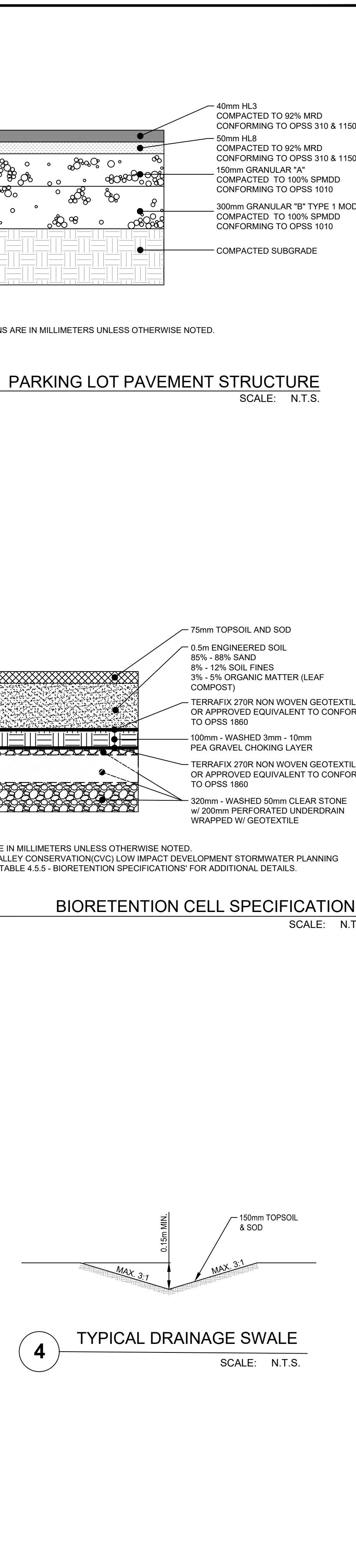
TOWN OF COBOURG

**REMOVALS AND EROSION
& SEDIMENT CONTROL
PLAN**

TOWN OF COBOURG

DRAWN BY: S.DINGMAN	STAMP:
DESIGNED BY: S.DINGMAN	
APPROVED BY: P.HURLEY	
DATE: 2020-04-15	

SCALE: 1:250	PROJECT NUMBER: 20005	SHEET NAME: ES	SHEET: 2 of 4
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SURVEY
TOPOGRAPHIC SURVEY PROVIDED
BY DONEVAN FLEISCHMANN PETRICH LTD.

BENCHMARK
GEOODED BENCHMARK No. 0011910U171

ELEV: 80.156m

NOTES:

PR.	EX.	FEATURE
		EDGE OF PAVEMENT
		BACK OF CURB
		EDGE OF GRAVEL
		CENTRELINE OF ROAD
		DITCH
		SIDEWALK
		FENCE LINE
		RETAINING WALL
		LIGHT DUTY ASPHALT
		HEAVY DUTY ASPHALT
		GRASS/LANDSCAPED
		CONC. DRIVEWAY RAMP
		ASPH. DRIVEWAY RAMP
		INTERLOCK BRICK
		GAS MAN
		OVERHEAD BELL
		UNDERGROUND BELL
		OVERHEAD HYDRO
		UNDERGROUND HYDRO
		WATERMAN
		STORM SEWER
		SANITARY SEWER
		WATER SERVICE
		SANITARY SERVICE
		PROPERTY LINE
		RIGHT-OF-WAY
		WATER VALVE
		WELL
		SANITARY MANHOLE
		CATCH BASIN
		DOUBLE CATCH BASIN
		CATCH BASIN MANHOLE
		DOUBLE CB MANHOLE
		STORM MANHOLE
		FIRE HYDRANT
		IRON MAN
		LIGHT STANDARD
		MAILBOX
		ROAD SIGN
		CONIFEROUS TREE
		DECIDUOUS TREE
		OVERHEAD DOOR
		MAN DOOR
		ACCESSIBLE MAN DOOR

OVERFLOW SPILLWAY
SCALE: N.T.S.

1.	1st SUBMISSION FOR SPA	SD	2020-06-05
No.	REVISION	BY	DATE



**COBOURG
HOLIDAY INN EXPRESS**

TOWN OF COBOURG

SITE SERVICING PLAN

DRAWN BY: S.DINGMAN	STAMP: TOWN OF COBOURG
DESIGNED BY: S.DINGMAN	
APPROVED BY: P.HURLEY	
DATE: 2020-04-15	

SCALE: 1:250

PROJECT NUMBER: 20005	SHEET NAME: SS	SHEET: 4 of 4
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