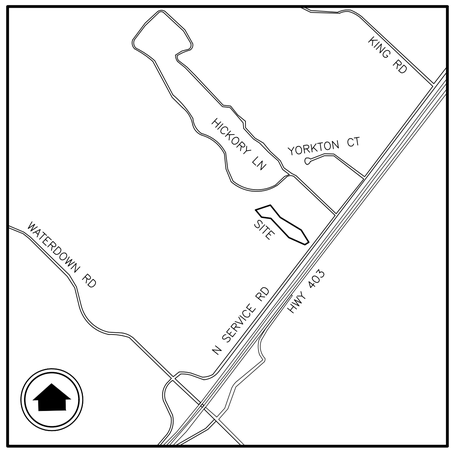
KING PAVING & CONSTRUCTION COMPANY

PROPOSED ASPHALT PLANT

291 NORTH SERVICE ROAD
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.



DRAWING INDEX:

Sheet Number	Sheet Title
C–101	General Notes and Details
C–102	Site Layout Plan
C–103	Site Grading Plan – Sheet 1 of 4
C–104	Site Grading Plan – Sheet 2 of 4
C–105	Site Grading Plan – Sheet 3 of 4
C–106	Site Grading Plan – Sheet 4 of 4
C–107	Site Servicing Plan – Sheet 1 of 2
C–108	Site Servicing Plan – Sheet 2 of 2
C–109	Preliminary Road Widening Plan
C–110	Preliminary Plan and Profile

REISSUED FOR SITE PLAN APPROVAL- MAY 2024

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS

Tel. (905) 631–6978
website: www.sla.on.ca
email: info@sla.on.ca

3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

GENERAL NOTES:

1. CONSTRUCTION OF ALL WATERMAIN SEWERS, AND RELATED APPURTENANCES SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS OF THE CITY OF BURLINGTON, THE REGIONAL MUNICIPALITY OF HALTON AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD). THE CITY AND THE REGION'S DRAWINGS SHALL TAKE PRECEDENCE OVER THE OPSD DRAWINGS.
2. ONTARIO PROVINCIAL STANDARD DRAWINGS TO BE READ IN CONJUNCTION WITH THE REGION OF HALTON REVISIONS.
3. RELOCATION OF EXISTING SERVICES AND/OR UTILITIES SHALL BE CONSTRUCTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL OBTAIN ALL PERMITS FOR CONSTRUCTION.
5. FOR ALL SEWERS AND WATERMAIN IN FILL SECTIONS, THE COMPACTION SHALL BE VERIFIED PRIOR TO LAYING OF PIPE.
6. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE REGIONAL ENGINEER, CITY OF BURLINGTON OR THE ENGINEER.
7. ALL EXCAVATIONS TO BE BACKFILLED WITH SELECT NATIVE MATERIAL, APPROVED BY THE ENGINEER, TO 95% SPD.
8. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING SILT CONTROL DEVICES AS SHOWN ON THE DRAWINGS AND AS DIRECTED BT THE ENGINEER.
9. TREE PROTECTION PROCEDURES TO BE IMPLEMENTED IN ACCORDANCE WITH CITY OF BURLINGTON STANDARDS.
10. THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SEALED BY THE ENGINEER AND INDICATED ISSUED FOR CONSTRUCTION ON THE DRAWING.
11. THESE PLANS ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF S. LLEWELLYN AND ASSOCIATES LIMITED.
12. INFORMATION REGARDING ANY EXISTING SERVICES AND/OR UTILITIES SHOWN ON THE APPROVED SET OF CONSTRUCTION DRAWINGS ARE FURNISHED AS THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL INTERPRET THIS INFORMATION AS HE SEES FIT WITH THE UNDERSTANDING THAT THE OWNER AND HIS AGENTS DISCLAIM ALL RESPONSIBILITY FOR ITS ACCURACY AND /OR SUFFICIENCY. THE CONTRACTOR SHALL ASSUME LIABILITY FOR ANY DAMAGE TO EXISTING WORKS.
13. EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM INFORMATION PROVIDED BY KING PAVING CONSTRUCTION COMPANY, DATED APRIL 2020 AND APPENDED WITH ADDITIONAL TOPOGRAPHIC AND LEGAL INFORMATION PROVIDED BY A.T. MCLAREN LIMITED, DATED JANUARY 2021, AND THE REGION OF HALTON.
14. SITE PLAN INFORMATION PROVIDED BY KING PAVING AND CONSTRUCTION COMPANY RECEIVED MAY 2024.
15. THESE PLANS TO BE READ IN CONJUNCTION WITH THE STORM WATER MANAGEMENT (SWM) REPORT PREPARED BY S. LLEWELLYN AND ASSOCIATES LIMITED, DATED MAY 2024.
16. THIS PLAN TO BE USED FOR SERVICING AND GRADING ONLY, FOR BUILDING LOCATION REFER TO TO THE SITE PLAN.
17. MUNICIPAL APPROVAL OF THESE DRAWINGS IS FOR MATERIAL AND COMPLIANCE WITH CITY OF BURLINGTON AND PROVINCIAL SPECIFICATIONS AND STANDARDS ONLY. APPROVAL AND INSPECTION OF THE WORKS BY THE CITY OF BURLINGTON STAFF DOES NOT CERTIFIY THE LINE AND GRADE OF THE WORKS NOR RELIEVE THE CONTRACTOR OF CERTIFICATION OF ALL WORKS BY THE OWNER'S ENGINEER.
18. ALTERNATE MATERIALS MAY BE ACCEPTABLE PROVIDED WRITTEN APPROVAL HAS FIRST BEEN OBTAINED FROM THE CITY OF BURLINGTON AND THE THE ENGINEER.
19. THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNER'S BONDED CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS NORMALLY REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS, BUT NOT LIMITED TO THE FOLLOWING:
    - ROAD CUT PERMITS
    - SEWER PERMITS
    - APPROACH APPROVAL PERMITS
    - RELOCATION OF SERVICES
    - COMMITTEE OF ADJUSTMENT
    - ENCROACHMENT AGREEMENTS
22. PRIOR TO CONSTRUCTION THE CONTRACTOR MUST:
    i. CHECK AND VERIFIY ALL DIMENSIONS AND EXISTING ELEVATIONS WHICH INCLUDE BUT ARE NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS, EXISTING INVERTS AND REPORT FINDING IN WRITING TO THE ENGINEER.
    ii. OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES.
    iii. VERIFY ALL FINISHED FLOOR ELEVATIONS AND BASEMENT FLOOR ELEVATIONS WHICH MY APPEAR ON THESE PLANS COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.
    iv. CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.
    v. NOTIFY THE ENGINEER OF THE PROPOSED CONSTRUCTION SCHEDULE FOR COORDINATION OF NECESSARY INSPECTIONS.
23. **THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE ENGINEER 48 HOURS PRIOR TO THE COMMENCING SITE WORKS TO ARRANGE FOR INSPECTION. THE ENGINEER SHALL DETERMINE THE EXTENT OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF THE UNDERGROUND SERVICE INSTALLATION AS MANDATED BY THE ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO MAKE SUITABLE ARRANGEMENTS FOR INSPECTION WILL LEAD TO POST CONSTRUCTION TESTING AND INSPECTION AS DETERMINED BY THE ENGINEER, THE COSTS OF WHICH INCLUDING ANY DELAYS IN CONSTRUCTION SHALL BE BOURNE BY THE CONTRACTOR. FULL PAYMENT FOR UN-INSPECTED WORKS MAY BE WITHHELD UNTIL THE COMPLETION OF THE POST CONSTRUCTION INSPECTION AND TESTING TO THE SATISFACTION OF THE ENGINEER.**
24. INSPECTION BY THE OWNER'S ENGINEER IS FOR CERTIFICATION AND GENERAL CONFORMANCE PURPOSES AND DOES NOT CERTIFY LINE AND GRADE OR IMPLY AN ASSURANCE OF QUALITY CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THE INSTALLATION OF THE WORKS TO PROPER LINE, GRADE AND QUALITY TO CURRENT INDUSTRY STANDARDS.
25. ANY UTILITY RELOCATIONS AND RESTORATIONS DUE TO THE DEVELOPMENT TO BE UNDERTAKEN AT THE EXPENSE OF THE OWNER/APPLICANT AND SHALL BE COORDINATED BY THE CONTRACTOR.
26. ALL RESTORATIONS AND RECONSTRUCTIONS SHALL BE TO COMPLETED TO MATCH EXISTING CONDITIONS OR BETTER AND ARE TO BE PERFORMED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF BURLINGTON.
27. SERVICING CONTRACTOR TO MAINTAIN A "CONFINED TRENCH CONDITION" IN ALL SEWER AND WATERMAIN INSTALLATION TRENCHES.
28. THE SITE SERVICING CONTRACTOR SHALL TERMINATE ALL SERVICES 1.0m FROM THE BUILDING FACE.
29. NO BLASTING WILL BE PERMITTED.

ROADWORKS:

1. APPROVED FILL, FREE OF DELETERIOUS AND ORGANIC MATERIAL AND BOULDERS SHALL BE COMPACTED TO A DRY DENSITY NOT LESS THAN 95% THAN THE STANDARD PROCTOR DENSITY. AFTER COMPACTION, SOIL DENSITY TESTS SHALL BE CONDUCTED TO ENSURE ADEQUATE COMPACTION AND STABILITY OF THE FILL AND TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
2. SUBGRADE TO BE PROOF ROLLED PRIOR TO PLACEMENT OF SUB BASE. UNSUITABLE MATERIAL TO BE REMOVED AND REPLACED WITH SELECT FILL OR GRANULAR "B" AND COMPACTED TO 98% SPD. GEOTECH ENGINEER TO CONFIRM THE VOLUME OF THE UNSUITABLE MATERIALS.
3. ASPHALTIC CONCRETE TO BE COMPACTED TO 97% MARSHALL DENSITY.
4. LANDSCAPED AREAS TO BE RESTORED WITH A MINIMUM 100mm OF SELECT TOPSOIL AND HYDRO SEEDED PER OPSS 804 TO THE SATISFACTION OF THE REGION OF HALTON.
5. MANHOLE FRAMES AND COVERS AND WATER VALVE BOXES SHALL BE SET FLUSH WITH BASE COURSE ASPHALT AND ADJUSTED TO FINAL GRADE AFTER INSTALLATION OF SURFACE ASPHALT AS PER CITY OF BURLINGTON STANDARD DRAWINGS S-130.
6. TRAFFIC CONTROL SHALL BE MAINTAINED AT ALL TIMES FOR WORKS ON EXISTING ROADWAYS TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING. THE EXPENSE FOR THE ERECTION OF SIGNS, DELINEATORS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE BORNE BY THE CONTRACTOR.

GRADING NOTES

1. ALONG ADJOINING PROPERTIES GRADE TO MEET EXISTING OR PROPOSED ELEVATIONS WITH SODDED SLOPES (MIN. 3H TO 1V) AND/OR RETAINING WALLS AS SPECIFIED.
2. ALL RETAINING WALLS, WALKWAYS, CURBS, ETC., SHALL BE PLACED A MIN. OF 0.45m OFF THE PROPERTY LINE. ALL WALLS 1.0M OR HIGHER SHALL BE DESIGNED BY A P.ENG.
3. RETAINING WALLS 0.6m IN HEIGHT OR GREATER REQUIRE CONSTRUCTION OF A FENCE OR GUARD RAIL AT THE TOP OF THE REAR OF THE WALL. GUARDS FOR RETAINING WALLS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF EXTERIOR GUARDS AS CONTAINED IN THE ONTARIO BUILDING CODE.
4. TOP OF FOUNDATION WALLS FOR BUILDINGS SHALL BE 150mm (MIN) ABOVE FINISHED GRADE.
5. IF GRADING IS REQUIRED ON LANDS ADJACENT TO THE DEVELOPMENT WHICH ARE NOT OWNED BY THE APPLICANT, THEN THE APPLICANT MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNER TO ALLOW THE APPLICANT TO GRADE ON THE ADJACENT LANDS, OTHERWISE RETAINING WALLS MUST BE USED.
6. THE WRITTEN PERMISSION REQUIRED FROM THE ADJACENT LANDOWNER SHALL BE OBTAINED PRIOR TO ENTERING THE LANDS. SHOULD PERMISSION NOT BE OBTAINED OR IS WITHDRAWN PRIOR TO COMMENCING THE WORK, THEN THE APPLICANT SHALL LIMIT HIS ACTIVITIES TO THE LIMITS OF THE DEVELOPMENT SITE.
7. ANY CHANGES IN GRADES AND CATCH BASINS REQUIRE THE APPROVAL OF THE ENGINEERING CONSULTANT AND THE CITY'S MANAGER OF DEVELOPMENT ENGINEERING.

SILTATION AND EROSION CONTROL

1. SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED.
2. ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE CITY OF BURLINGTON AND/OR THE HALTON CONSERVATION AUTHORITY.
3. ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE ENGINEER, THE CITY OF BURLINGTON AND/OR THE HALTON CONSERVATION AUTHORITY.

SANITARY SEWERS:

1. CONSTRUCTION OF ALL WATERMAIN SEWERS, AND RELATED APPURTENANCES SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS OF THE REGION MUNICIPALITY OF HALTON AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD). THE REGIONS DRAWINGS SHALL TAKE PRECEDENCE OVER THE OPSD DRAWINGS.
2. SANITARY SEWERS SHALL BE PVC. PVC PIPE IS TO BE BELL AND SPIGOT AND COMPLY TO ASTM D-3034 WITH MINIMUM SDR 35.
3. MINIMUM BEDDING REQUIREMENTS FOR ALL SANITARY SEWER MAINS AND RELATED CONNECTIONS IN A SINGLE TRENCH SHALL BE CLASS B GRANULAR BEDDING AS PER OPSD 802.010 UNLESS OTHERWISE NOTED.
4. SANITARY SEWER MANHOLES FRAME AND COVER AS PER OPSD 401.01.
5. ALL PVC LATERALS TO BE SDR 28 AND SHALL BE ANY COLOUR EXCEPT WHITE. MINIMUM SLOPE OF LATERAL TO BE 2.0%.
6. TAPPING AT EXISTING SANITARY MANHOLES SHALL BE UNDERTAKEN IN ACCORDANCE WITH REGION OF HALTON REQUIREMENTS.
7. ALL SEWERS TO BE VIDEO INSPECTED.
8. ALL SEWERS TO BE FLUSHED PRIOR TO VIDEO INSPECTION.
9. ALL PVC SEWERS ARE TO BE TESTED FOR DEFLECTION (MANDREL PASSAGE) AFTER INSTALLATION. SANITARY SEWERS SHALL ALSO BE TESTED FOR LEAKAGE (LOW AIR PRESSURE). PRIOR TO ASSUMPTION BY THE CITY, PIPE DEFLECTION TESTING SHALL BE REPEATED.

STORM SEWERS:

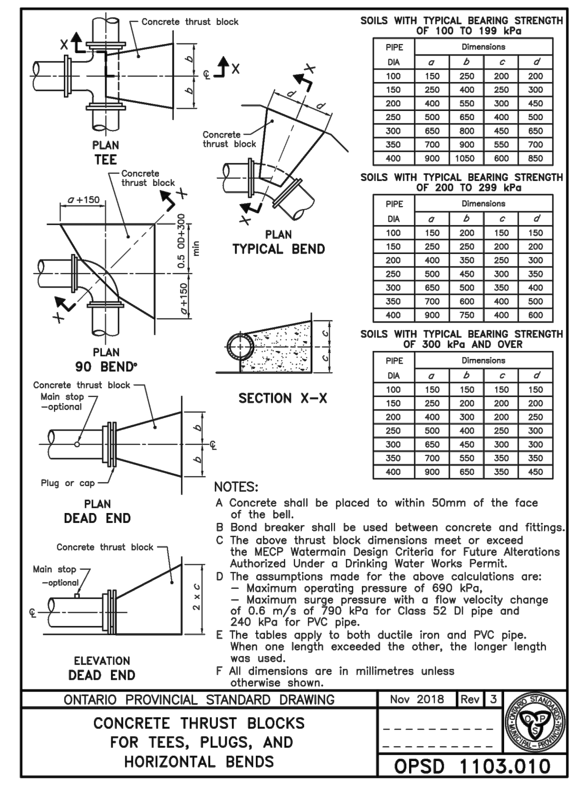
1. CONSTRUCTION OF ALL WATERMAIN SEWERS, AND RELATED APPURTENANCES SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS OF THE CITY OF BURLINGTON AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD). THE CITY'S DRAWINGS SHALL TAKE PRECEDENCE OVER THE OPSD DRAWINGS.
2. 250mm-525mm STORM SEWERS SHALL BE PVC, BELL AND SPIGOT AND SHALL COMPLY TO ASTM D-3034 WITH MINIMUM SDR 35.
3. MINIMUM BEDDING REQUIREMENTS FOR ALL SINGLE STORM SEWER MAINS AND ALL RELATED CONNECTIONS SHALL BE HIGH PERFORMANCE CLEAR STONE (HL-8 GRADED) AS PER CITY OF BURLINGTON STANDARD DRAWINGS S-188.
4. STORM SEWER MANHOLES SHALL BE IN ACCORDANCE WITH OPSD 701.010. AND 701.011. FRAME AND COVER AS PER OPSD 401.01 TYPE A. FRAMES TO BE STAMPED "DANGER" AND "STORM".
5. CATCHBASINS SHALL BE IN ACCORDANCE WITH OPSD 705.010. CATCHBASIN MANHOLES SHALL BE IN ACCORDANCE WITH OPSD 701.010 AND 701.030 UNLESS OTHERWISE SPECIFIED. CATCHBASINS TO LOCATED WITHIN LANDSCAPED AREAS TO BE SUMPLESS. FRAME AND COVER FOR CATCHBASINS AND CATCHBASIN MANHOLES SHALL BE AS PER OPSD 400.100 (ROADS).
6. DOUBLE CATCH BASINS SHALL BE IN ACCORDANCE WITH OPSD 705.020 WITH 250mm DIA. LEAD. FRAMES AND COVERS TO BE OPSD 400.11 (ROADS) AND CITY OF BURLINGTON STD. S-176 (REAR YARDS). LEADS TO BE PVC SDR 35.
7. CATCH BASIN AND MANHOLE TOPS SHALL BE INITIALLY SET TO BASE COURSE ASPHALT ELEVATION AND ADJUSTED TO GRADE PRIOR TO PLACEMENT OF TOP LIFT OF ASPHALT.
8. ALL TRENCH EXCAVATIONS ARE TO BE BACKFILLED WITH SELECT NATIVE MATERIAL PLACED IN MAXIMUM 200mm LIFT THICKNESSES WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% SPD, UNLESS OTHERWISE SPECIFIED.
9. INVERTS OF ALL SWALES TO BE SODDED TO A MINIMUM WIDTH OF 3.0m. ALL OTHER DISTURBED AREAS TO BE TOPSOILED AND SEEDED. SOD SHALL BE #1 NURSERY LAID ON A MINIMUM OF 100mm OF TOPSOIL.
10. ALL SEWERS TO BE VIDEO INSPECTED.
11. ALL SEWERS TO BE FLUSHED PRIOR TO VIDEO INSPECTION.
12. ALL PVC SEWERS (SANITARY AND STORM) ARE TO BE TESTED FOR DEFLECTION (MANDREL PASSAGE) AFTER INSTALLATION. PRIOR TO ASSUMPTION BY THE CITY, PIPE DEFLECTION TESTING SHALL BE REPEATED.

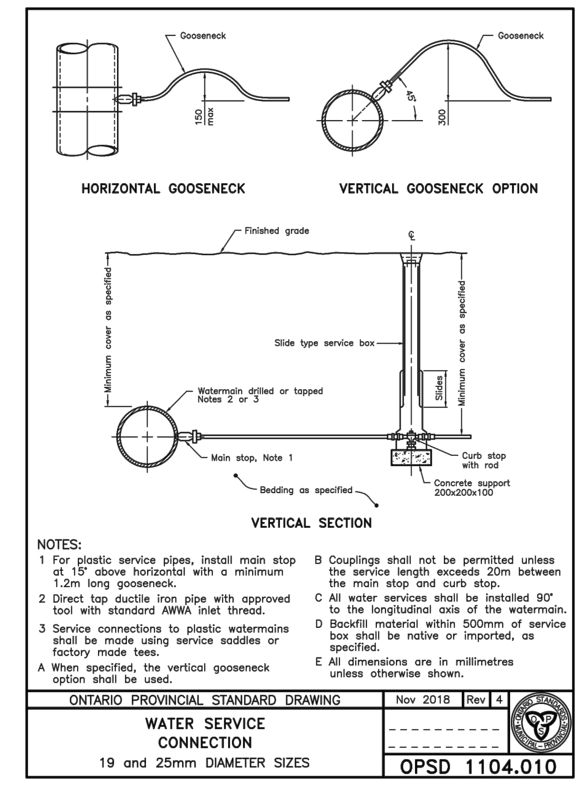
WATERMAINS:

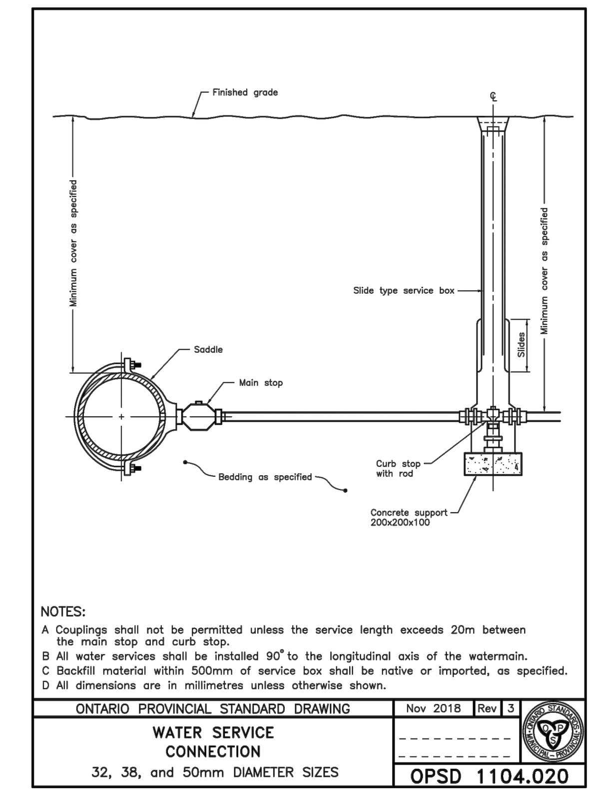
1. CONSTRUCTION OF ALL WATERMAIN SEWERS, AND RELATED APPURTENANCES SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS OF THE REGION MUNICIPALITY OF HALTON AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD). THE REGIONS DRAWINGS SHALL TAKE PRECEDENCE OVER THE OPSD DRAWINGS.
2. FLEXIBLE WATERMAIN PIPE UP TO 300mm DIAMETER TO BE P.V.C. DR-18 AND CONFORM TO A.W.W.A. C-900 WITH MECHANICAL JOINTS AS PER A.W.W.A. C-110, AND TO BE INSTALLED WITH A 10 GAUGE TRACER WIRE.
3. FLEXIBLE PIPE BEDDING TO BE OPSD 802.010 WITH COMPACTED GRANULAR B MATERIAL.
4. MINIMUM COVER TO BE 1.7m TO TOP OF PIPE.
5. DEFLECTION AT JOINTS NOT TO EXCEED 2.5 DEGREES AND SHALL BE EQUAL AT ALL JOINTS.
6. GATE VALVES AND BOXES FOR 150mm AND 250mm DIAMETER WATERMAINS AS PER A.W.W.A. STANDARD C-500 AND ARE TO OPEN TO THE LEFT (COUNTER CLOCKWISE).
7. HYDRANTS SHALL MEET THE REQUIREMENTS OF A.W.W.A. STANDARD C-502 AND SHALL BE SET IN ACCORDANCE WITH REGION OF HALTON, AND CITY OF BURLINGTON BUILDING DEPARTMENT STANDARDS, COMPLETE WITH STEAMER CONNECTIONS. THE 100mm STEAMER PORT SHALL FACE THE FIRE ROUTE AND SHALL BE UNOBSTRUCTED BY ANY PROPOSED LANDSCAPING.
8. ALL FITTINGS TO HAVE MECHANICAL RESTRAINTS THAT MEET UNI-B-13-92.
9. ALL TEMPORARY AND PERMANENT WATERMAIN PLUGS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH OPSD 1103.01.
10. TAPPING AT EXISTING WATERMAINS SHALL BE UNDERTAKEN IN ACCORDANCE WITH REGION OF HALTON REQUIREMENTS.
11. ALL WATER CUSTOMERS SUPPLIED BY A WATERMAIN TO BE SHUT DOWN SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF THE SHUT DOWN AS PER REGION OF HALTON SPECIFICATIONS. NOTIFICATION SHALL TAKE PLACE UNDER THE ENGINEER'S DIRECTION.
12. MINIMUM HORIZONTAL SEPERATION BETWEEN WATERMAINS (INCLUDING PRIVATE SERVICES) AND STORM AND SANITARY SEWERS SHALL BE 2.5m. WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 150mm OVER AND 500mm UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
13. WATER SERVICE CONNECTIONS (25mm DIA. TYPE 'K' SOFT COPPER) AS PER OPSD 1104.01 AND OPSD 1104.02.

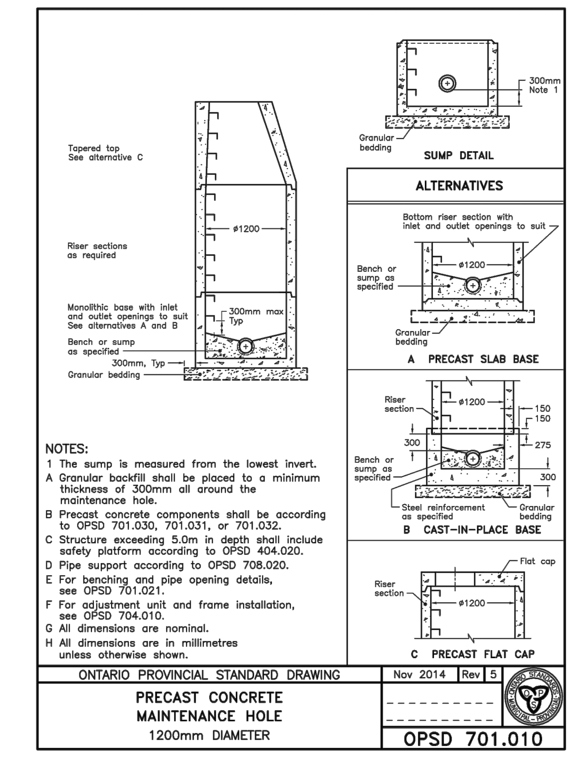
RESTORATIONS:

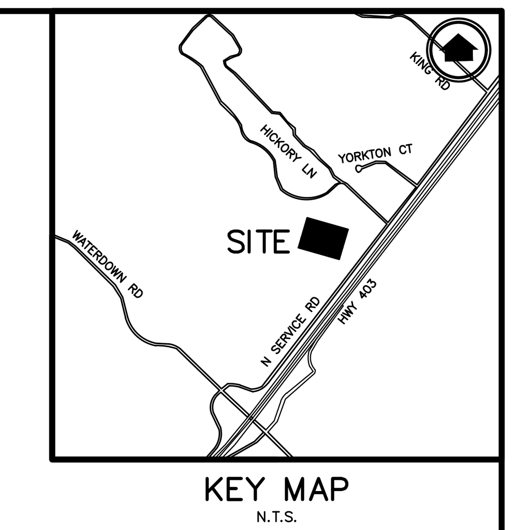
14. ALL TRENCH EXCAVATIONS WITHIN EXISTING ROAD ALLOWANCES SHALL BE AS BACKFILLED AS PER CITY OF BURLINGTON STANDARD DRAWING S-114 AND S-114A.
15. EXISTING PRIVATE FENCING IS TO BE MAINTAINED THROUGHOUT CONSTRUCTION. WHERE REMOVAL OR RELOCATION OF FENCING IS NECESSARY IT SHALL BE RESTORED OR REPLACED TO ORIGINAL CONDITIONS OR BETTER UNDER THE DIRECTION OF THE ENGINEER.
16. DAMAGED CURB, GUTTER AND SIDEWALK TO BE REPLACED WITH 28 MPa CONCRETE TO EXISTING CONDITIONS OR BETTER.
17. PAVEMENT SURFACE ON EXISTING NORTH SERVICE ROAD TO BE REPAIRED BY CONTRACTOR AT THEIR EXPENSE IF DAMAGED BY CONSTRUCTION TRAFFIC.



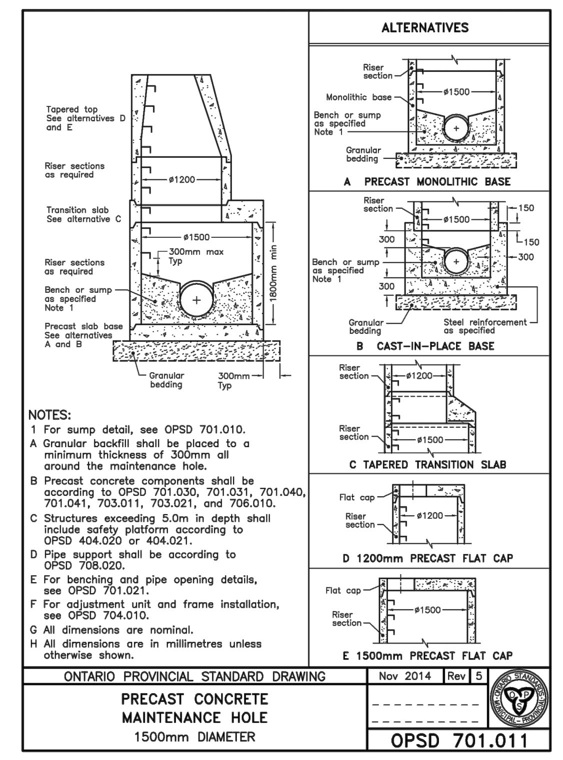


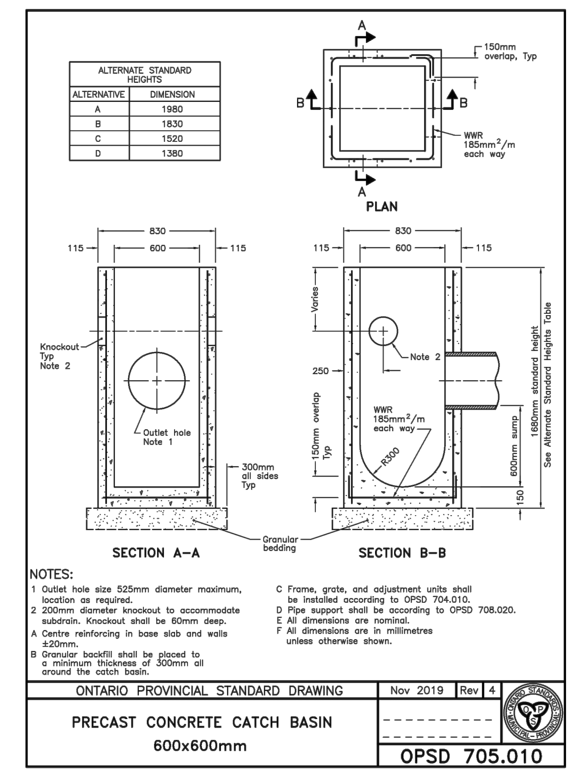


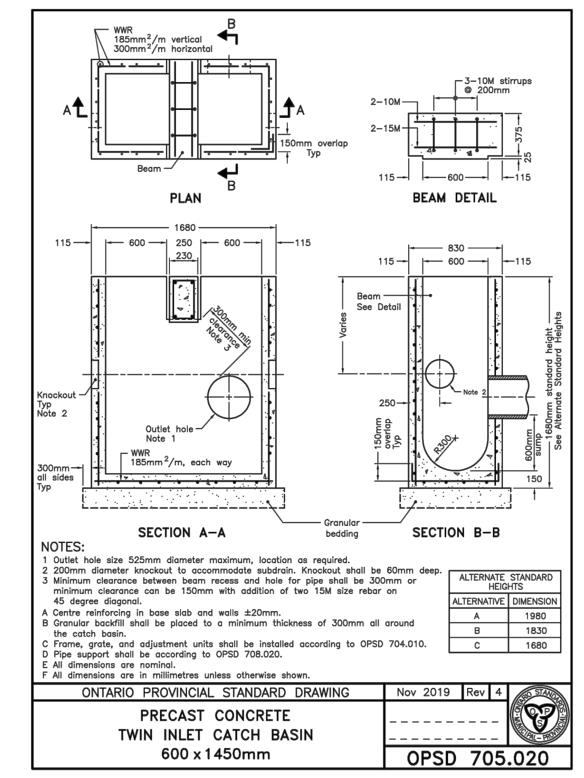


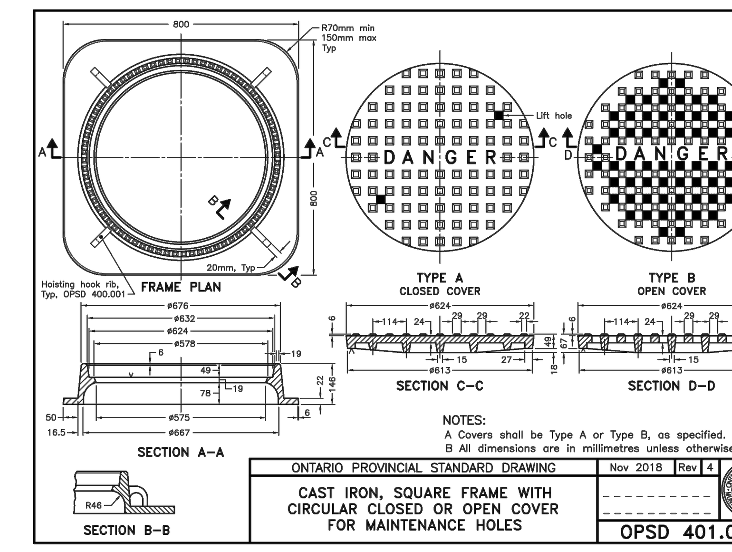


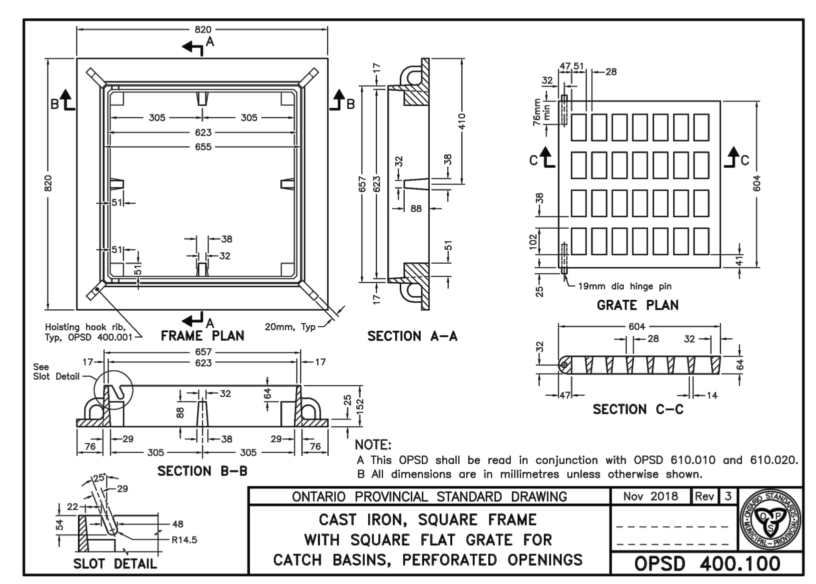
KEY MAP
N.T.S.

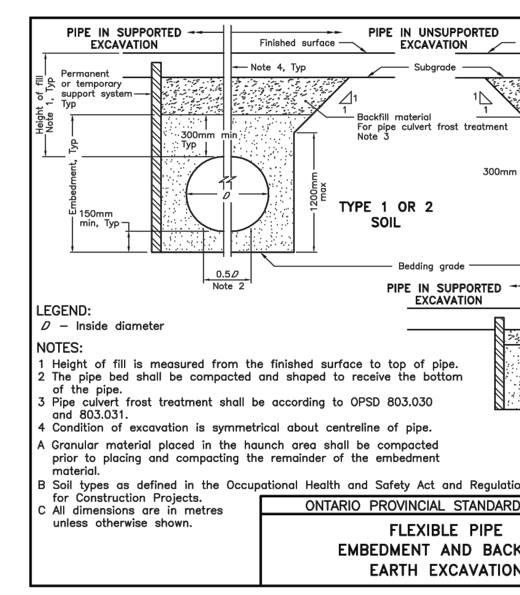


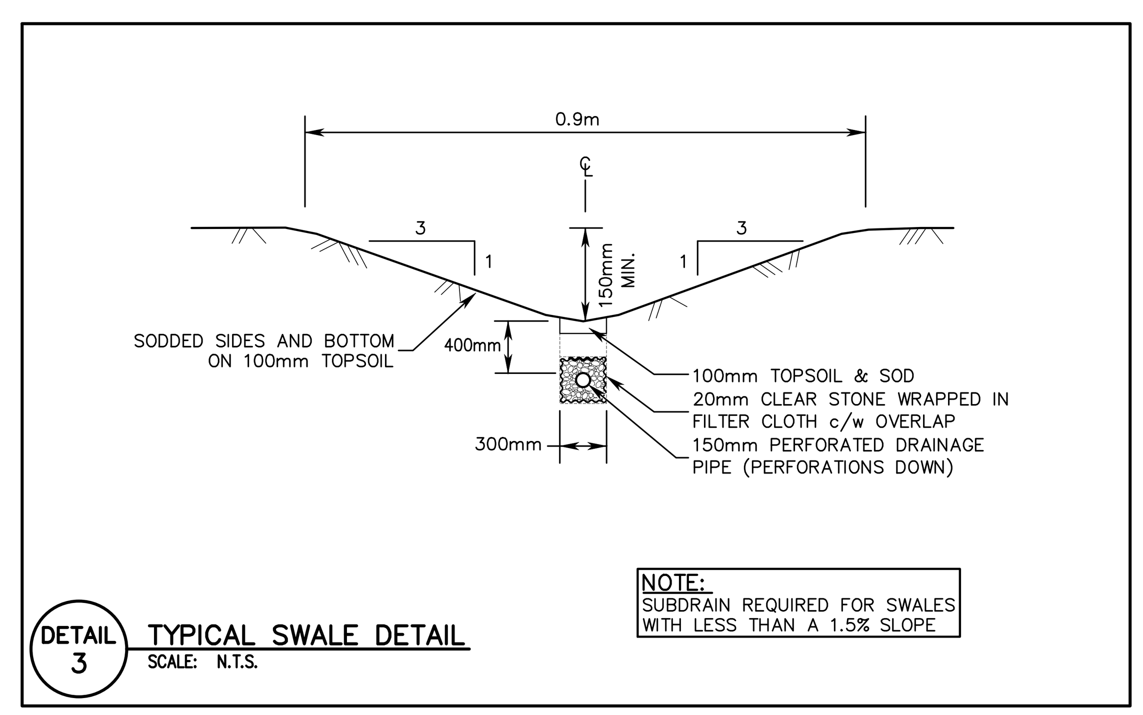






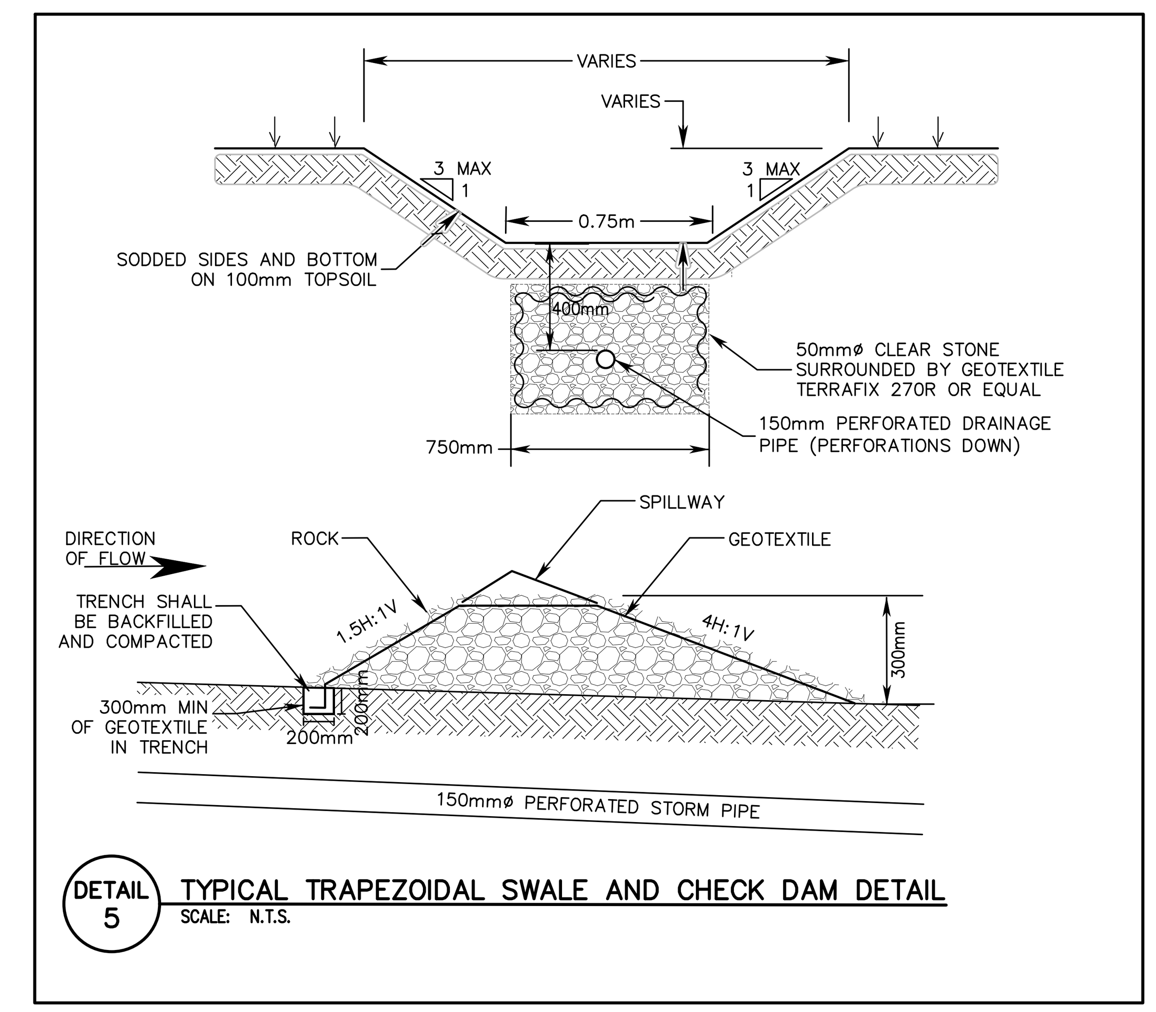






NOTE:
SUBDRAIN REQUIRED FOR SWALES WITH LESS THAN A 1.5% SLOPE

DETAIL 3 TYPICAL SWALE DETAIL
SCALE: N.T.S.



DETAIL 5 TYPICAL TRAPEZOIDAL SWALE AND CHECK DAM DETAIL
SCALE: N.T.S.

REGIONAL APPROVAL:
REGION DESIGN OF WATER &/OR WASTWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANARDS & SPECIFICATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY.

SIGNED:________________ DATED: ________
INFRASTRUCTURE PLANNING & POLICY

The Applicant should be aware that the approval of the water system on private property is the responsibility of the Local Municipality. Regardless, the Applicant must ensure that the Region of Halton's standards and specifications are met. (The Water and Wastewater Linear Design Manual may be obtained thru the Data Management Group at 905-825-6032) Furthermore, all water quality tests must be completed to the Region of Halton's satisfaction, before the water supply can be turned on.

NOTES TO CONTRACTOR:
1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE May 27, 2021
DRAWN	RB	CHK'D		

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOVICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

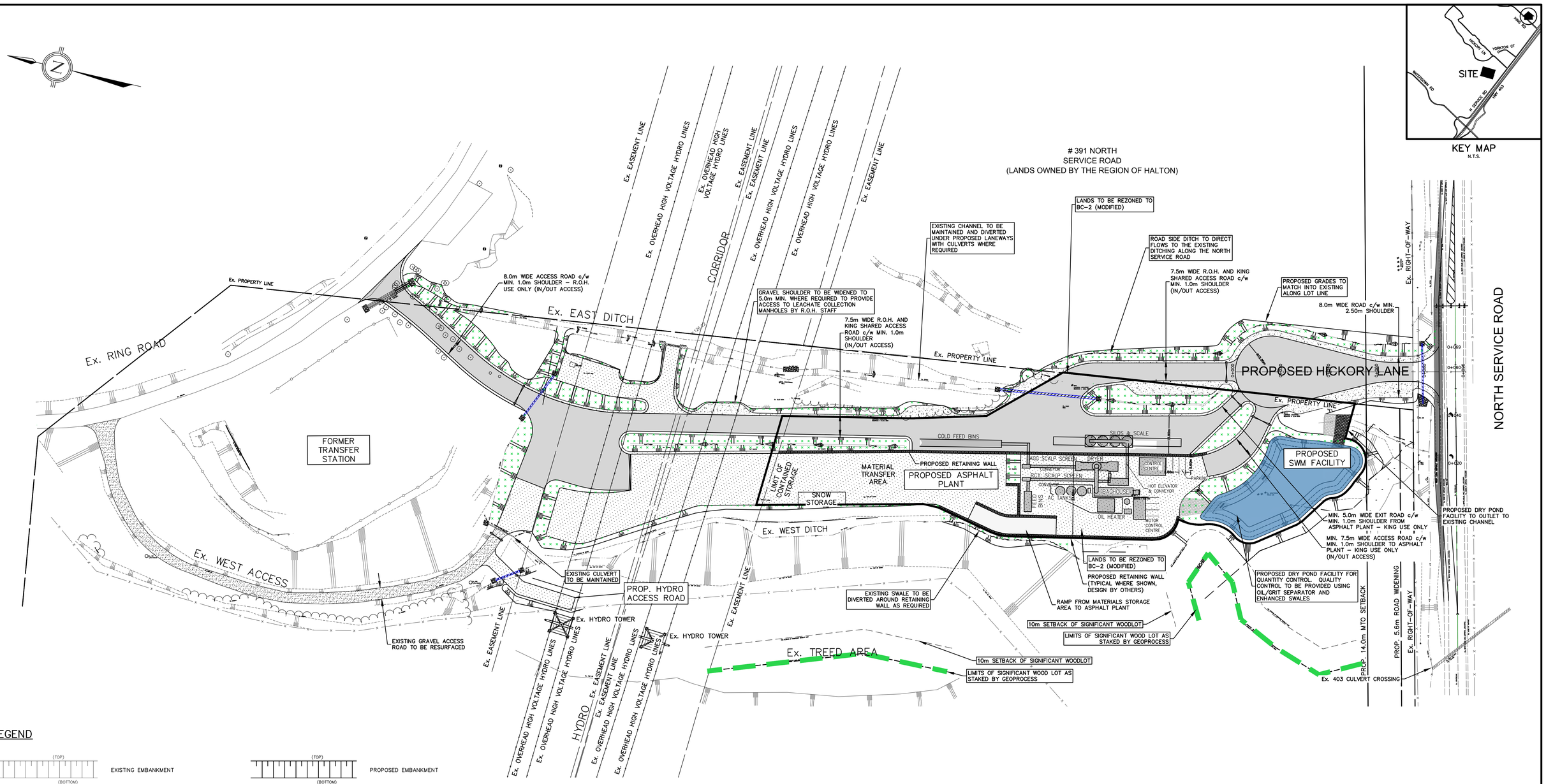
CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
GENERAL NOTES AND DETAILS PLAN

PROJECT No. 20036
DRAWING No. C-101
SCALE

S:\20036\WORKING_Current\20036 - Title Sheet & General Notes.dwg
Plotted: May 22, 2024 3:34:23 PM By: Blair Henderson



LEGEND

- EXISTING EMBANKMENT
- EXISTING POST & WIRE FENCE
- EXISTING CHAIN LINK FENCE
- EXISTING HIGH VOLTAGE HYDRO LINES
- EXISTING OVERHEAD UTILITY LINES
- EXISTING DITCH/DRAINAGE CHANNEL
- EXISTING DRIPLINE/CANOPY LIMITS
- LIMITS OF SIGNIFICANT WOODLOT
- EXISTING RIP RAP
- PROPOSED EMBANKMENT
- PROPOSED GATE
- PROPOSED SWALE
- PROPOSED HDPE CULVERT, SIZE AS NOTED
- PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS
- PROPOSED SWM POND AREA
- PROPOSED GRANULAR\RECYCLED ASPHALT SURFACE
- PROPOSED PAVED SURFACE
- PROPOSED LANDSCAPE AREA
- PROPOSED GRANULAR SHOULDERS
- PROPOSED RESURFACED GRANULAR ROAD
- PROPOSED CONCRETE PADS
- PROPOSED RIP RAP, SIZE AS NOTED

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE
DRAWN	RB	CHK'D		May 27, 2021

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOWICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
OVERALL CONCEPT PLAN

PROJECT No. 20036
DRAWING No. C-102
SCALE 1:750 (0, 5, 15, 25, 50, 75)

S:\20036\WORKING_Current\20036-Overall Plans.dwg
Plotted: May 22, 2024 3:33:18 PM By: Blair Henderson

LEGEND

- EXISTING CONTOUR (0.50m INTERVAL)
- EXISTING GROUND ELEVATION
- EXISTING EMBANKMENT
- EXISTING POST & WIRE FENCE
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD HIGH VOLTAGE HYDRO LINES
- EXISTING OVERHEAD HYDRO/UTILITY LINES
- EXISTING DITCH/DRAINAGE CHANNEL
- EXISTING CONCRETE RETAINING WALL
- EXISTING GUIDERAIL
- EXISTING HYDRANT
- EXISTING MANHOLE
- EXISTING PEDESTAL/ ELECTRICAL BOX
- EXISTING HYDRO POLE
- EXISTING TREE/SHRUB
- EXISTING CULVERT
- EXISTING DRIPLINE/ CANOPY LIMITS
- LIMITS OF SIGNIFICANT WOODLOT
- EXISTING RIP RAP, SIZE AS NOTED
- EXISTING WET AREAS
- PROPOSED ELEVATION
  - EX = MATCH EXISTING ELEVATION
  - HP = HIGH POINT
  - TW = TOP OF WALL
  - BW = BOTTOM OF WALL
  - T/G = TOP OF GRATE
- PROPOSED EMBANKMENT
- PROPOSED SWALE/CHANNEL
- PROP. EMERGENCY OVERFLOW
- EX. OVERFLOW ROUTE
- DRAINAGE SPLIT
- PROPOSED BOSS 2000 CULVERT, SIZE AS NOTED
- PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS
- PROPOSED STORM MANHOLE\ CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN\ DITCH INLET
- PROPOSED HEADWALL PER OPSD 804.030 c/w GRATE PER OPSD 804.050
- PROPOSED SANITARY MANHOLE
- PROPOSED WATER VALVE/ CURB STOP
- PROPOSED HYDRANT COMPLETE WITH BOLLARDS
- PROPOSED GATE
- PROPOSED ROCK CHECK DAM PER DETAIL

KEY MAP
N.T.S.

SITE
HWY 403
W. SERVICE RD
WATERCOURSE RD
YORKTON CT
MICHAEL LN

LIMIT OF ASPHALT PAVING
EXISTING TREES TO BE REMOVED AS REQUIRED
EXTEND EXISTING CULVERT TO TOE OF SLOPE. 3x7.0m-600mmø CULVERT INV.=±137.20 C/W 3.0mX2.0mX0.3m RIP RAP PAD 150mmø NOMINAL SIZE
Ex. RING ROAD
RE-ALIGN EXISTING CHANNEL AS REQUIRED
PROPOSED 3.0mX2.0mX0.3m RIP RAP PAD 150mmø NOMINAL SIZE TO BE INSTALLED ON WEST SIDE OF EXISTING CULVERT
Ex. CHAIN LINK FENCE
PROPOSED ACCESS ROAD TO BE PAVED
PAVED ASPHALT ACCESS ROAD (REGION OF HALTON)
AREA ADJACENT TO PAVED ROAD TO BE FINE GRADED AS REQUIRED TO ENSURE POSITIVE DRAINAGE
EXISTING TREES TO BE REMOVED AS REQUIRED
SLOPE TO BE RE-GRADED @ 3:1 AS REQUIRED.
EXISTING CHANNEL TO REMAIN
Ex. DITCH
Ex. GABION
Ex. HYDRO EASEMENT LINE
PROVIDE APRON AROUND EXISTING BUILDING TO PROMOTE POSITIVE DRAINAGE AWAY FROM STRUCTURE
Ex. BUILDING
Ex. ELEC BOSS
Ex. MH23 T/G=130.48 INV. 123.87±
Ex. MH22A T/G=128.64 INV. 123.79±
Ex. OVERHEAD HIGH VOLTAGE HYDRO LINES
PROP. 21.0m-600mmø BOSS 2000 CULVERT @ 11.5% C/W 2.0mX2.0mX0.3m RIP RAP PAD 150mmø NOMINAL SIZE W. INV. 130.45 E. INV. 128.05
MULTI-USE ACCESS (GRANULAR SURFACE) (REGION OF HALTON & HYDRO ONE)
Ex. EASEMENT LINE
Ex. MH22 T/G=125.79 INV. 122.06±
Ex. MONITORING WELL
Ex. ELEC BOX
Ex. DRIPLINE
Ex. RIP RAP
APPROXIMATE LIMIT OF EXISTING ROCK FILL
SLOPE TO MATCH EXISTING @ 3:1 AS REQUIRED.
ASPHALT ACCESS ROAD (SHARED)
PROP. ROCK CHECK DAM SPACED @ 30.0 INTERVALS (AS PER DETAIL) (TYP.)
PROP. TRAPEZOIDAL SWALE (AS PER DETAIL)
PROP. EDGE OF GRAVEL
Ex. GRAVEL
Ex. SWALE (TO BE RELOCATED)
PROPOSED GATE OPERATED BY REGION OF HALTON
SLOPE TO BE RE-GRADED AS REQUIRED. Ex. SWALE/DITCH INVERTS TO BE MAINTAINED
FORMER TRANSFER STATION
Ex. DITCH (TO REMAIN)
LIMIT OF ASPHALT PAVING
ACCESS ROAD (GRANULAR SURFACE) (REGION OF HALTON)
ASPHALT ACCESS RAMP (KING PAVING)
LIMIT OF ASPHALT PAVING
PROPOSED GATE
DRAINAGE SPLIT (TYP.)
MATERIALS STORAGE AREA (GRANULAR SURFACE)
LIMIT OF MATERIALS STORAGE AREA
Ex. EDGE OF GRAVEL
Ex. TOP OF BANK
Ex. BOTTOM OF BANK
Ex. DITCH
MATCH GRADES INTO Ex. ACCESS ROAD
EXISTING GRAVEL TO BE RESURFACED WITH RECYCLED ASPHALT/GRANULAR MATERIAL (REFER TO OVERALL PLANS FOR RESURFACING EXTENTS
PROPOSED 2.0mX2.0mX0.3m RIP RAP PAD 150mmø NOMINAL SIZE TO BE INSTALLED ON WEST SIDE OF EXISTING 300mmø CULVERT
EXISTING 300mmø CULVERT TO REMAIN
PROP. EDGE OF GRAVEL
Ex. HYDRO EASEMENT LINE

REFER TO DRAWING C-103

NOTES TO CONTRACTOR:

1. INSPECTION
   CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
2. CONFIRMATION OF EXISTING INVERTS
   72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE
DRAWN	RB	CHK'D		May 27, 2021

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOWICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

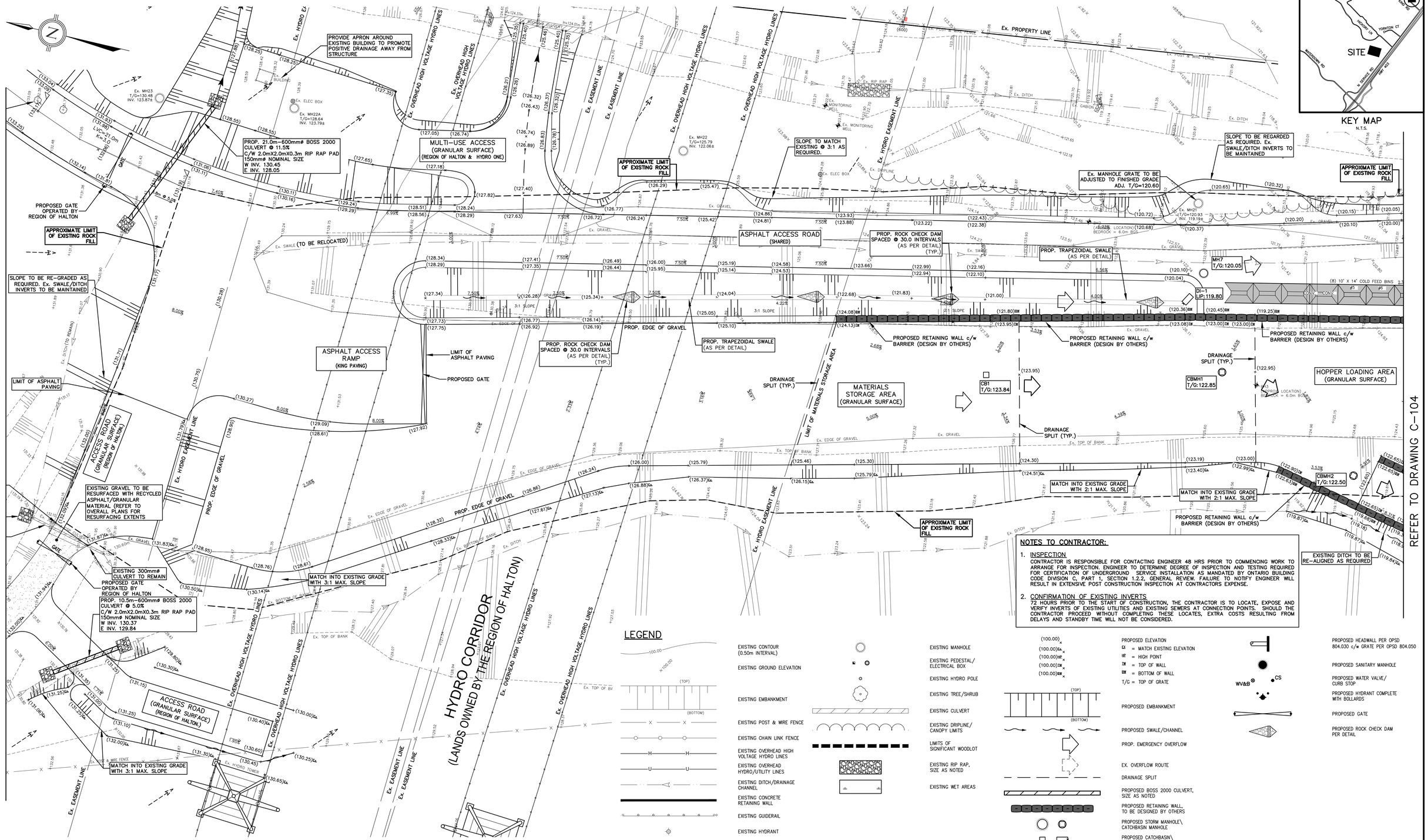
CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
GRADING PLAN
SHEET 1 of 4

PROJECT No. 20036
DRAWING No. C-103
SCALE 1:250 (0, 5, 10, 15, 20, 25)

S:\20036\WORKING_Current\20036-Site Servicing and Grading.dwg
Plotted: May 22, 2024 2:50:10 PM By: Blair Henderson



NOTES TO CONTRACTOR:

1. **INSPECTION**
   CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
2. **CONFIRMATION OF EXISTING INVERTS**
   72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

LEGEND

EXISTING CONTOUR (0.50m INTERVAL)
EXISTING GROUND ELEVATION
EXISTING EMBANKMENT
EXISTING POST & WIRE FENCE
EXISTING CHAIN LINK FENCE
EXISTING OVERHEAD HIGH VOLTAGE HYDRO LINES
EXISTING OVERHEAD HYDRO/UTILITY LINES
EXISTING DITCH/DRAINAGE CHANNEL
EXISTING CONCRETE RETAINING WALL
EXISTING GUIDERAIL
EXISTING HYDRANT
EXISTING MANHOLE
EXISTING PEDESTAL/ ELECTRICAL BOX
EXISTING HYDRO POLE
EXISTING TREE/SHRUB
EXISTING CULVERT
EXISTING DRIPLINE/ CANOPY LIMITS
LIMITS OF SIGNIFICANT WOODLOT
EXISTING RIP RAP, SIZE AS NOTED
EXISTING WET AREAS
PROPOSED ELEVATION
EX = MATCH EXISTING ELEVATION
HP = HIGH POINT
TW = TOP OF WALL
BW = BOTTOM OF WALL
T/G = TOP OF GRATE
PROPOSED EMBANKMENT
PROPOSED SWALE/CHANNEL
PROP. EMERGENCY OVERFLOW
EX. OVERFLOW ROUTE
DRAINAGE SPLIT
PROPOSED BOSS 2000 CULVERT, SIZE AS NOTED
PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS
PROPOSED STORM MANHOLE\ CATCHBASIN MANHOLE
PROPOSED CATCHBASIN\ DITCH INLET
PROPOSED HEADWALL PER OPSD 804.030 c/w GRATE PER OPSD 804.050
PROPOSED SANITARY MANHOLE
PROPOSED WATER VALVE/ CURB STOP
PROPOSED HYDRANT COMPLETE WITH BOLLARDS
PROPOSED GATE
PROPOSED ROCK CHECK DAM PER DETAIL

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE
DRAWN	RB	CHK'D		May 27, 2021

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOWICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
GRADING PLAN
SHEET 2 of 4

PROJECT No. 20036
DRAWING No. C-104
SCALE 1:250 (0 5 10 15 20 25)

S:\20036\WORKING_Current\20036-Site Servicing and Grading.dwg
Plotted: May 22, 2024 2:50:17 PM By: Blair Henderson

391 NORTH SERVICE ROAD
(LANDS OWNED BY THE REGION OF HALTON)

KEY MAP
N.T.S.

SITE

PROPOSED HICKORY LANE

REFER TO DRAWING C-103

REFER TO DRAWING C-105

NOTES TO CONTRACTOR:

1. INSPECTION
   CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.

2. CONFIRMATION OF EXISTING INVERTS
   72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

LEGEND

- EXISTING CONTOUR (0.50m INTERVAL)
- EXISTING GROUND ELEVATION
- EXISTING EMBANKMENT
- EXISTING POST & WIRE FENCE
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD HIGH VOLTAGE HYDRO LINES
- EXISTING OVERHEAD HYDRO/UTILITY LINES
- EXISTING DITCH/DRAINAGE CHANNEL
- EXISTING CONCRETE RETAINING WALL
- EXISTING GUIDERAIL
- EXISTING HYDRANT
- EXISTING MANHOLE
- EXISTING PEDESTAL/ ELECTRICAL BOX
- EXISTING HYDRO POLE
- EXISTING TREE/SHRUB
- EXISTING CULVERT
- EXISTING DRIPLINE/ CANOPY LIMITS
- LIMITS OF SIGNIFICANT WOODLOT
- EXISTING RIP RAP, SIZE AS NOTED
- EXISTING WET AREAS

- PROPOSED ELEVATION
- EX = MATCH EXISTING ELEVATION
- HP = HIGH POINT
- TW = TOP OF WALL
- BW = BOTTOM OF WALL
- T/G = TOP OF GRATE
- PROPOSED EMBANKMENT
- PROPOSED SWALE/CHANNEL
- PROP. EMERGENCY OVERFLOW
- EX. OVERFLOW ROUTE
- DRAINAGE SPLIT
- PROPOSED BOSS 2000 CULVERT, SIZE AS NOTED
- PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS
- PROPOSED STORM MANHOLE\ CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN\ DITCH INLET
- PROPOSED SANITARY MANHOLE
- PROPOSED WATER VALVE/ CURB STOP
- PROPOSED HYDRANT COMPLETE WITH BOLLARDS
- PROPOSED GATE
- PROPOSED ROCK CHECK DAM PER DETAIL

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE
DRAWN	RB	CHK'D		May 27, 2021

BENCH MARK NOTE:

UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP

LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOWICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
SITE GRADING PLAN
SHEET 3 of 4

PROJECT No. 20036
DRAWING No. C-105
SCALE 1:250

S:\20036\WORKING_Current\20036-Site Servicing and Grading.dwg
Plotted: May 22, 2024 2:50:33 PM By: Blair Henderson

391 NORTH SERVICE ROAD
(LANDS OWNED BY THE REGION OF HALTON)

PROPOSED HICKORY LANE

REFER TO DRAWING C-104

PROP. 25.0m–450mmø BOSS 2000. CULVERT @ 0.8% C/W 2.0mX2.0mX0.3m RIP RAP PAD 150mmø NOMINAL SIZE E INV. 114.40 W INV. 114.25

200mø TO EXISTING HICKORY LANE

SAWCUT, REMOVE & RESTORE EX. ASPHALT TO EX. CONDITION OR BETTER (AS PER CITY OF BURLINGTON STANDARDS S-114 & S-114-B)

PROPOSED GATE OPERATED BY KING PAVING CONSTRUCTION COMPANY AND THE REGION OF HALTON

PROPOSED GATES OPERATED BY KING PAVING & CONSTRUCTION COMPANY

Ex. PROPERTY LINE

ASPHALT ACCESS ROAD (SHARED)

84.41 @ 2.35%

MH2A T/G:116.92

MH3A T/G:116.90

MH1A T/G:115.21

DI-2 T/G:116.95

MH10 T/G:118.30

MH4A T/G:119.25

MH13 T/G:117.75

MH11 T/G:118.42

MH6 T/G:119.70

CBMH9 T/G:118.00

MH12 T/G:116.80

DI-3 T/G: 115.95 C/W OUTLET STRUCTURE (AS PER DETAIL 2)

PROP. HW2 (AS PER OPSD 804.030 & 804.050) INV. 115.66

PROP. HW1 (AS PER OPSD 804.030 & 804.050) INV. 115.66

200–300mø NOMINAL SIZE RIP–RAP SPILL MAT, 0.5m THICK OVER TERRAFIX 270R OR APPROVED ALTERNATIVE

200–300mø NOMINAL SIZE RIP–RAP SPILL MAT, 0.5m THICK OVER TERRAFIX 270R OR APPROVED ALTERNATIVE

EMERGENCY OVERFLOW WEIR

TOP OF POND ELEV.=116.80

TOP OF WEIR ELEV.=116.50

100-YR PONDING ELEV.=116.04

BOTTOM OF POND ELEV.=115.45

MAX PONDING ELEV. 116.50

PROP. 14.0m MTO SETBACK

PROP. 5.6m ROAD WIDENING

PROP. 2.0m ASPHALT SHOULDER

EX. HYDRO LINES TO BE RAISED TO SUIT PROPOSED GRADES (DESIGNED BY OTHERS)

NOTE:
SEE C-109 FOR PRELIMINARY ROAD WIDENING PLAN.

MATCH INTO EXISTING GRADE WITH 3:1 SLOPE

APPROXIMATE LIMIT OF EXISTING ROCK FILL

EXISTING DITCH TO BE REGRADED TO PROVIDE POSITIVE DRAINAGE

PROP. DRY POND (C/W GEOSYNTHETIC CLAY LINER)
TOP OF POND = 116.80m
BOTTOM OF POND = 115.45m
STORAGE VOLUME = 1507m³
100-YR REQ'D VOLUME = 527m³

Ex. MONITORING WELLS TO BE RELOCATED BY REGION OF HALTON FORCES

MATCH INTO EXISTING GRADE WITH 3:1 SLOPE

MATCH INTO EX. GRADES AT 10m WOODLOT SETBACK

PROPOSED RETAINING WALL c/w BARRIER (DESIGN BY OTHERS)

ASPHALT PLANT AREA (GRANULAR SURFACE)

LIMIT OF ASPHALT PAVING

HYD. SET c/w BOLLARDS

ASPHALT ENTRANCE

PROP. LANDSCAPED AREA

Ex. MONITORING WELLS (3)

Ex. MH18 T/G=115.53 N INV. 113.36± S INV. 113.32±

Ex. MH19 T/G=117.13 INV. 114.79±

Ex. MH17 T/G=115.28 INV. 113.72±

APPROX. LOCATION OF BEDROCK = 2.3m BGS

SWALE

PLACE WITH SD 701.010 (TYPE A). S MATERIAL ED OFFSITE T/G=117.65

PARKING

3:1 MAX

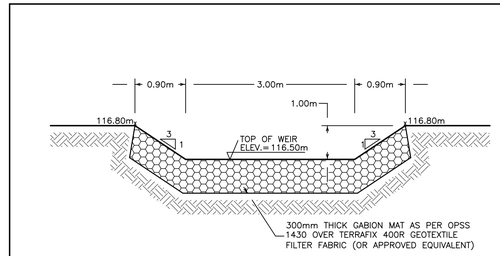
4:1 SLOPES

5:1 MAX

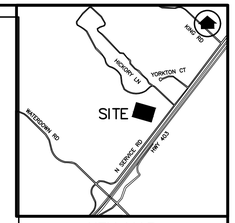
NOTES TO CONTRACTOR:

1. INSPECTION
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.

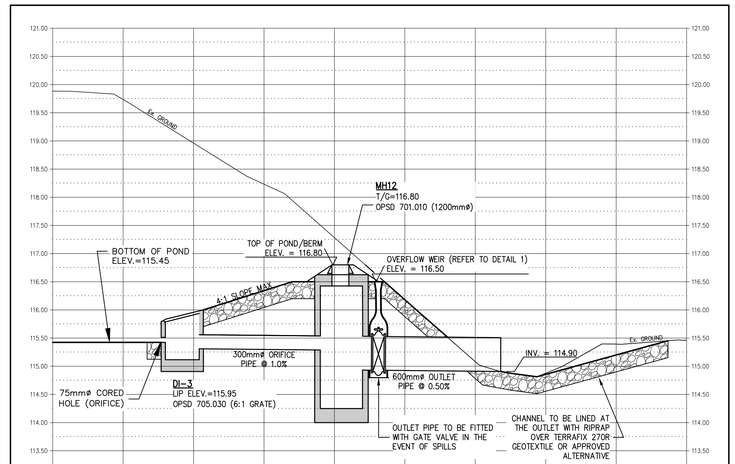
2. CONFIRMATION OF EXISTING INVERTS
72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.



DETAIL 1 — BROAD CRESTED OVERFLOW WEIR
SCALE: N.T.S.



KEY MAP
N.T.S.



DETAIL 2 — SWM FACILITY OUTLET DETAIL
SCALE: NTS

LEGEND

EXISTING CONTOUR (0.50m INTERVAL)
EXISTING GROUND ELEVATION
EXISTING EMBANKMENT
EXISTING POST & WIRE FENCE
EXISTING CHAIN LINK FENCE
EXISTING OVERHEAD HIGH VOLTAGE HYDRO LINES
EXISTING OVERHEAD HYDRO/UTILITY LINES
EXISTING DITCH/DRAINAGE CHANNEL
EXISTING CONCRETE RETAINING WALL
EXISTING GUIDERAIL
EXISTING HYDRANT

EXISTING MANHOLE
EXISTING PEDESTAL/ ELECTRICAL BOX
EXISTING HYDRO POLE
EXISTING TREE/SHRUB
EXISTING CULVERT
EXISTING DRIPLINE/ CANOPY LIMITS
LIMITS OF SIGNIFICANT WOODLOT
EXISTING RIP RAP, SIZE AS NOTED
EXISTING WET AREAS

PROPOSED ELEVATION
EX = MATCH EXISTING ELEVATION
HP = HIGH POINT
TW = TOP OF WALL
BW = BOTTOM OF WALL
T/G = TOP OF GRATE
PROPOSED EMBANKMENT
PROPOSED SWALE/CHANNEL
PROP. EMERGENCY OVERFLOW
EX. OVERFLOW ROUTE
DRAINAGE SPLIT
PROPOSED BOSS 2000 CULVERT, SIZE AS NOTED
PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS
PROPOSED STORM MANHOLE\ CATCHBASIN MANHOLE
PROPOSED CATCHBASIN\ DITCH INLET

PROPOSED HEADWALL PER OPSD 804.030 c/w GRATE PER OPSD 804.050
PROPOSED SANITARY MANHOLE
PROPOSED WATER VALVE/ CURB STOP
PROPOSED HYDRANT COMPLETE WITH BOLLARDS
PROPOSED GATE
PROPOSED ROCK CHECK DAM PER DETAIL

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE May 27, 2021
DRAWN	RB	CHK'D		

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOVICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

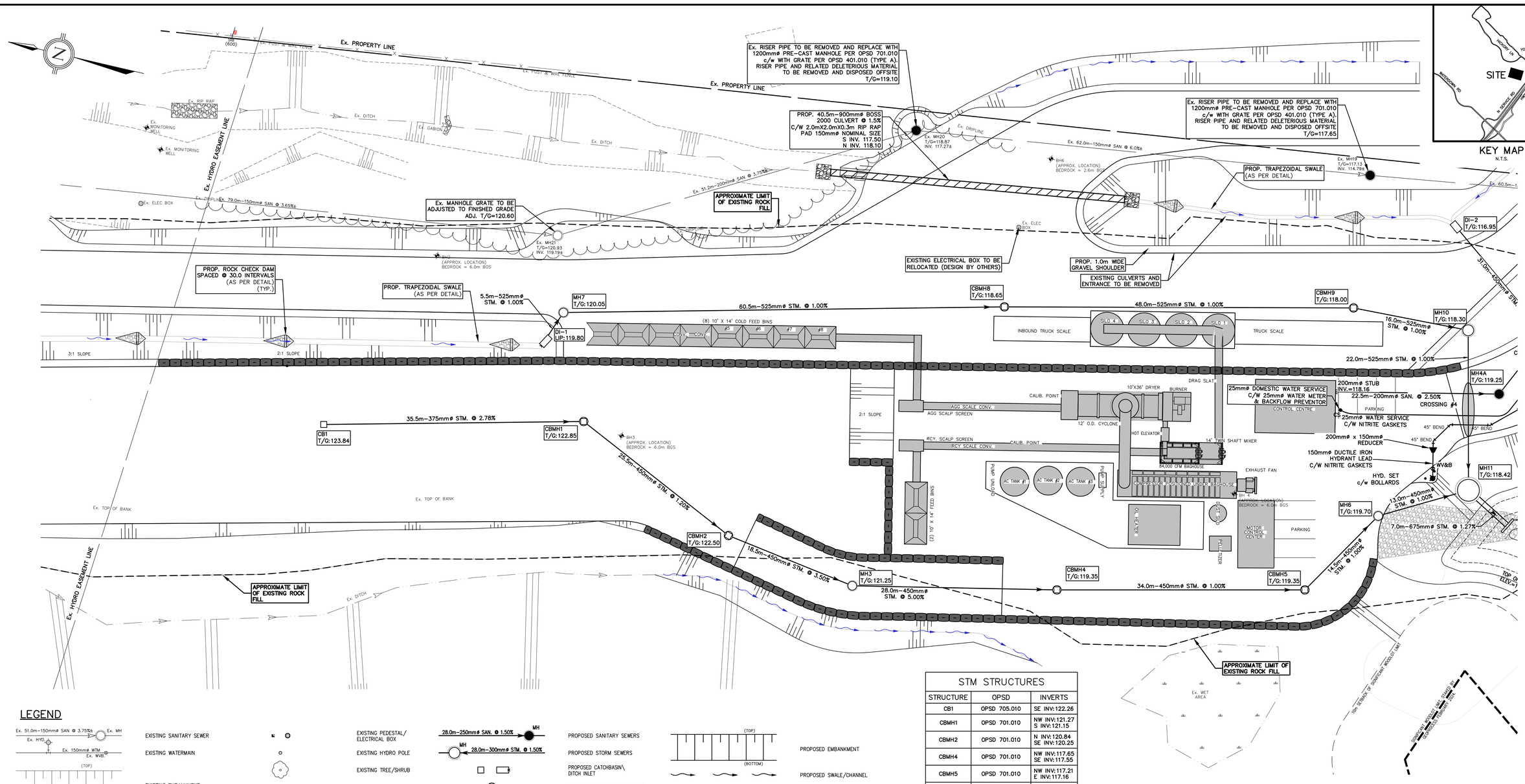
CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
SITE GRADING PLAN
SHEET 4 of 4

PROJECT No. 20036
DRAWING No. C-106
SCALE 1:250

S:\20036\WORKING_Current\20036-Site Servicing and Grading.dwg
Plotted: May 22, 2024 2:50:44 PM By: Blair Henderson



KEY MAP
N.T.S.

LEGEND

- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING EMBANKMENT
- EXISTING POST & WIRE FENCE
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD HIGH VOLTAGE HYDRO LINES
- EXISTING OVERHEAD HYDRO/UTILITY LINES
- EXISTING DITCH/DRAINAGE CHANNEL
- EXISTING CONCRETE RETAINING WALL
- EXISTING GUIDERAIL
- EXISTING PEDESTAL/ ELECTRICAL BOX
- EXISTING HYDRO POLE
- EXISTING TREE/SHRUB
- EXISTING CULVERT
- EXISTING DRIPLINE/ CANOPY LIMITS
- LIMITS OF SIGNIFICANT WOODLOT
- EXISTING RIP RAP, SIZE AS NOTED
- EXISTING WET AREAS
- PROPOSED SANITARY SEWERS
- PROPOSED STORM SEWERS
- PROPOSED CATCHBASIN\ DITCH INLET
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED HEADWALL PER OPSD 804.030 c/w GRATE PER OPSD 804.050
- PROPOSED WATERMAIN
- PROPOSED WATER VALVE/ CURB STOP
- PROPOSED HYDRANT COMPLETE WITH BOLLARDS
- PROPOSED BOSS 2000 CULVERT, SIZE AS NOTED
- PROPOSED EMBANKMENT
- PROPOSED SWALE/CHANNEL
- PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS
- PROPOSED GATE
- PROPOSED ROCK CHECK DAM PER OPSD 219.210
- PROPOSED RIP RAP, SIZE AS NOTED

STM STRUCTURES

STRUCTURE	OPSD	INVERTS
CB1	OPSD 705.010	SE INV:122.26
CBMH1	OPSD 701.010	NW INV:121.27 S INV:121.15
CBMH2	OPSD 701.010	N INV:120.84 SE INV:120.25
CBMH4	OPSD 701.010	NW INV:117.65 SE INV:117.55
CBMH5	OPSD 701.010	NW INV:117.21 E INV:117.16
CBMH8	OPSD 701.010	SE INV:116.75 NW INV:116.93
CBMH9	OPSD 701.010	NW INV:116.27 SE INV:116.25
DI–1	DICB–1200X600	E INV:118.07
DI–2	DICB–1200X600	S INV:115.87
MH3	OPSD 701.010	NW INV:119.61 SE INV:119.05
MH6	OPSD 701.010	W INV:117.02 E INV:116.48
MH7	OPSD 701.010	W INV:118.02 SE INV:117.53
MH10	OPSD 701.011	NW INV:116.09 SW INV:116.03
MH11	HYDROSTORM HS10	NE INV:115.81 W INV:116.35 S INV:115.75
MH12	OPSD 701.010	SW INV:115.28 NE INV:114.97

NOTES TO CONTRACTOR:

1. INSPECTION
   CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
2. CONFIRMATION OF EXISTING INVERTS
   72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

REGIONAL APPROVAL:
REGION DESIGN OF WATER &/OR WASTWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANARDS & SPECIFICATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY.

SIGNED:_____ DATED: _____
INFRASTRUCTURE PLANNING & POLICY

The Applicant should be aware that the approval of the water system on private property is the responsibility of the Local Municipality. Regardless, the Applicant must ensure that the Region of Halton's standards and specifications are met. (The Water and Wastewater Linear Design Manual may be obtained thru the Data Management Group at 905-825-6032) Furthermore, all water quality tests must be completed to the Region of Halton's satisfaction, before the water supply can be turned on.

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE May 27, 2021
DRAWN	RB	CHK'D		

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOWICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

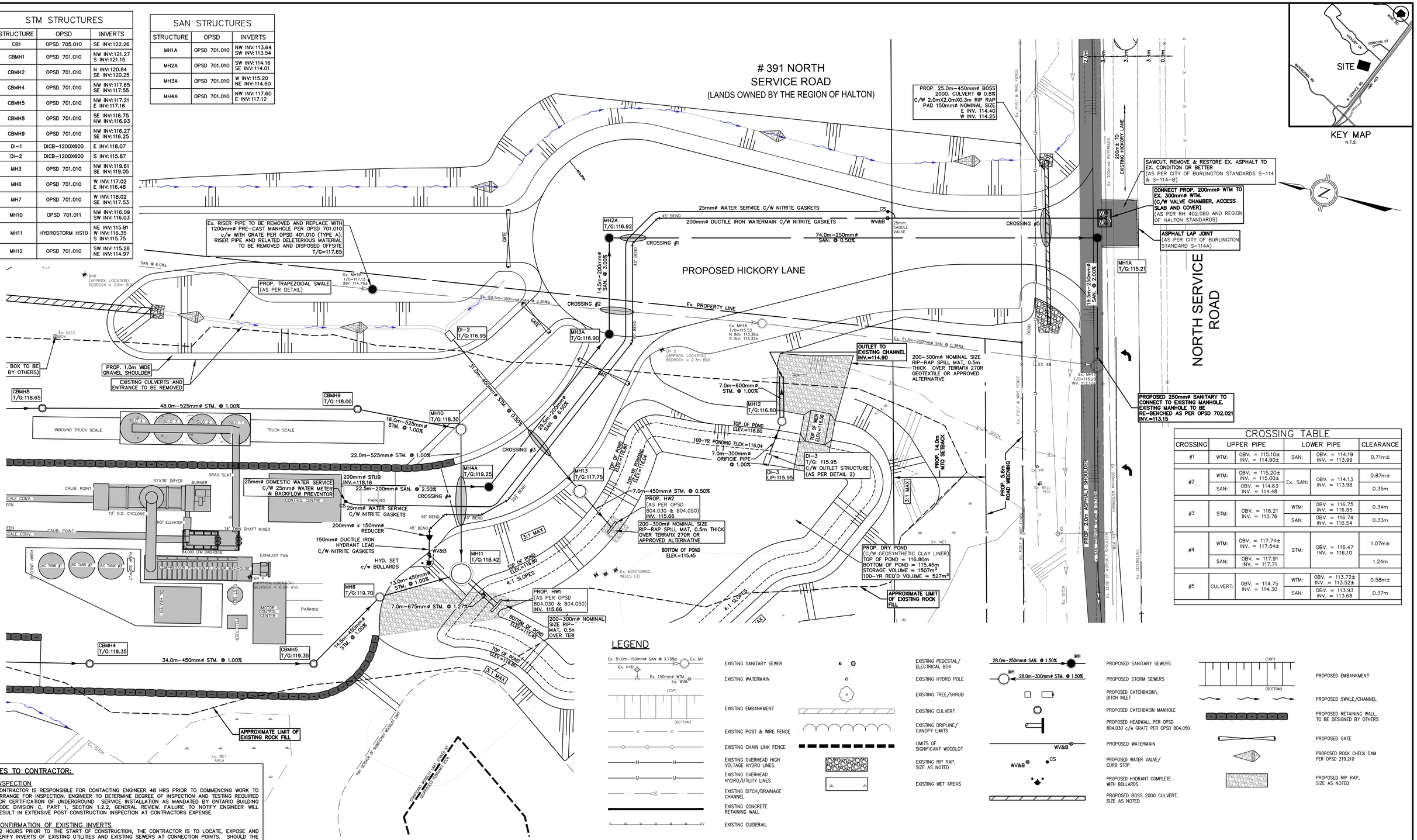
TITLE
SITE SERVICING PLAN
SHEET 1 of 2

PROJECT No. 20036
DRAWING No. C–107
SCALE 1:250 (0 5 10 15 20 25)

S:\20036\WORKING_Current\20036-Site Servicing and Grading.dwg
Plotted: May 22, 2024 2:50:53 PM By: Blair Henderson

STM STRUCTURES		
STRUCTURE	OPSD	INVERTS
CB1	OPSD 705.010	SE INV:122.26
CBMH1	OPSD 701.010	NW INV:121.27 S INV:121.15
CBMH2	OPSD 701.010	N INV:120.84 SE INV:120.25
CBMH4	OPSD 701.010	NW INV:117.65 SE INV:117.55
CBMH5	OPSD 701.010	NW INV:117.21 E INV:117.16
CBMH8	OPSD 701.010	SE INV:116.75 NW INV:116.93
CBMH9	OPSD 701.010	NW INV:116.27 SE INV:116.25
DI–1	DICB–1200X600	E INV:118.07
DI–2	DICB–1200X600	S INV:115.87
MH3	OPSD 701.010	NW INV:119.61 SE INV:119.05
MH6	OPSD 701.010	W INV:117.02 E INV:116.48
MH7	OPSD 701.010	W INV:118.02 SE INV:117.53
MH10	OPSD 701.011	NW INV:116.09 SW INV:116.03
MH11	HYDROSTORM HS10	NE INV:115.81 W INV:116.35 S INV:115.75
MH12	OPSD 701.010	SW INV:115.28 NE INV:114.97

SAN STRUCTURES		
STRUCTURE	OPSD	INVERTS
MH1A	OPSD 701.010	NW INV:113.64 SW INV:113.54
MH2A	OPSD 701.010	SW INV:114.16 SE INV:114.01
MH3A	OPSD 701.010	W INV:115.20 NE INV:114.60
MH4A	OPSD 701.010	NW INV:117.60 E INV:117.12



CROSSING TABLE					
CROSSING	UPPER PIPE		LOWER PIPE		CLEARANCE
#1	WTM:	OBV. = 115.10± INV. = 114.90±	SAN:	OBV. = 114.19 INV. = 113.99	0.71m±
#2	WTM:	OBV. = 115.20± INV. = 115.00±	Ex. SAN:	OBV. = 114.13 INV. = 113.98	0.87m±
	SAN:	OBV. = 114.63 INV. = 114.48			0.35m
#3	STM:	OBV. = 116.21 INV. = 115.76	WTM:	OBV. = 116.75 INV. = 116.55	0.34m
			SAN:	OBV. = 116.74 INV. = 116.54	0.33m
#4	WTM:	OBV. = 117.74± INV. = 117.54±	STM:	OBV. = 116.47 INV. = 116.10	1.07m±
	SAN:	OBV. = 117.91 INV. = 117.71			1.24m
#5	CULVERT:	OBV. = 114.75 INV. = 114.30	WTM:	OBV. = 113.72± INV. = 113.52±	0.58m±
			SAN:	OBV. = 113.93 INV. = 113.68	0.37m

LEGEND

EXISTING SANITARY SEWER
EXISTING WATERMAIN
EXISTING EMBANKMENT
EXISTING POST & WIRE FENCE
EXISTING CHAIN LINK FENCE
EXISTING OVERHEAD HIGH VOLTAGE HYDRO LINES
EXISTING OVERHEAD HYDRO/UTILITY LINES
EXISTING DITCH/DRAINAGE CHANNEL
EXISTING CONCRETE RETAINING WALL
EXISTING GUIDERAIL
EXISTING PEDESTAL/ ELECTRICAL BOX
EXISTING HYDRO POLE
EXISTING TREE/SHRUB
EXISTING CULVERT
EXISTING DRIPLINE/ CANOPY LIMITS
LIMITS OF SIGNIFICANT WOODLOT
EXISTING RIP RAP, SIZE AS NOTED
EXISTING WET AREAS
28.0m–250mmø SAN. @ 1.50%
28.0m–300mmø STM. @ 1.50%
PROPOSED SANITARY SEWERS
PROPOSED STORM SEWERS
PROPOSED CATCHBASIN\ DITCH INLET
PROPOSED CATCHBASIN MANHOLE
PROPOSED HEADWALL PER OPSD 804.030 c/w GRATE PER OPSD 804.050
PROPOSED WATERMAIN
PROPOSED WATER VALVE/ CURB STOP
PROPOSED HYDRANT COMPLETE WITH BOLLARDS
PROPOSED BOSS 2000 CULVERT, SIZE AS NOTED
(TOP)
(BOTTOM)
PROPOSED EMBANKMENT
PROPOSED SWALE/CHANNEL
PROPOSED RETAINING WALL, TO BE DESIGNED BY OTHERS
PROPOSED GATE
PROPOSED ROCK CHECK DAM PER OPSD 219.210
PROPOSED RIP RAP, SIZE AS NOTED

NOTES TO CONTRACTOR:

1. INSPECTION
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.

2. CONFIRMATION OF EXISTING INVERTS
72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

REGIONAL APPROVAL:
REGION DESIGN OF WATER &/OR WASTWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANARDS & SPECIFICATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY.

SIGNED:_____ DATED: _____
INFRASTRUCTURE PLANNING & POLICY

The Applicant should be aware that the approval of the water system on private property is the responsibility of the Local Municipality. Regardless, the Applicant must ensure that the Region of Halton's standards and specifications are met. (The Water and Wastewater Linear Design Manual may be obtained thru the Data Management Group at 905–825–6032) Furthermore, all water quality tests must be completed to the Region of Halton's satisfaction, before the water supply can be turned on.

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER–GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE
DRAWN	RB	CHK'D		May 27, 2021

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOWICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631–6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

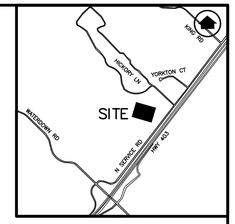
TITLE
SITE SERVICING PLAN
SHEET 2 of 2

PROJECT No. 20036
DRAWING No. C–108
SCALE 1:250

S:\20036\WORKING_Current\20036–Site Servicing and Grading.dwg
Plotted: May 22, 2024 2:51:05 PM By: Blair Henderson

LEGEND:

- PROPOSED ASPHALT
- [ ] LIMITS OF LINE PAINTING
- ×209.00 EXISTING GROUND ELEVATION
- ×(209.00) PROPOSED GROUND ELEVATION
- ×209.00EX PROPOSED ELEVATION TO MATCH EXISTING
- ×(209.00)SW PROPOSED SWALE ELEVATION
- ×[209.00] PROPOSED GROUND ELEVATION (BY OTHERS)
- EXISTING CATCHBASIN
- EXISTING STORM/SANITARY MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED STORM/SANITARY MANHOLE
- EXISTING DIRECTION OF DRAINAGE
- PROPOSED SWALE (AS PER DETAIL)
- PROPOSED ROAD RESTORATION



KEY MAP
N.T.S.

PROPOSED ASPHALT PLANT RELOCATION SITE

PROPOSED HICKORY LANE

PROPOSED VACANT LANDS

APPROXIMATE LIMIT OF EXISTING ROCK FILL

3:1 MAX

PROP. 14.0m MTO SETBACK

PROP. 5.6m ROAD WIDENING

EX. DITCH TO BE REGRADED TO PROVIDED POSITIVE DRAINAGE

MATCH 2.0m PROP. ASPHALT SHOULDER INTO EXISTING.

T/G TO BE ADJUSTED (AS PER CITY OF BURLINGTON STANDARDS).

PROP. 25.0m–450mmø BOSS 2000 CULVERT @ 0.8%
C/W 2.0mX2.0mX0.3m RIP RAP PAD 150mmø NOMINAL SIZE
E INV. 114.40
W INV. 114.25

PROP. 2.0m ASPHALT SHOULDER

PROP. 0.1m WHITE SOLID

PROP. 0.1m YELLOW SOLID

PROP. 0.1m WHITE DASHED

56.0m TAPER

30.0m STORAGE

200mø TO EXISTING HICKORY LANE

53.0m TAPER

TERMINATE PROP. 0.1m WHITE AT EX. WHITE LINE.

TERMINATE PROP. 0.1m YELLOW AT EX. YELLOW LINE.

NORTH SERVICE ROAD

NORTH SERVICE ROAD

NOTES TO CONTRACTOR:

1. INSPECTION
   CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
2. CONFIRMATION OF EXISTING INVERTS
   72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER-GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE
DRAWN	RB	CHK'D		May 27, 2021

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOVICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631-6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
PRELIMINARY ROAD WIDENING PLAN

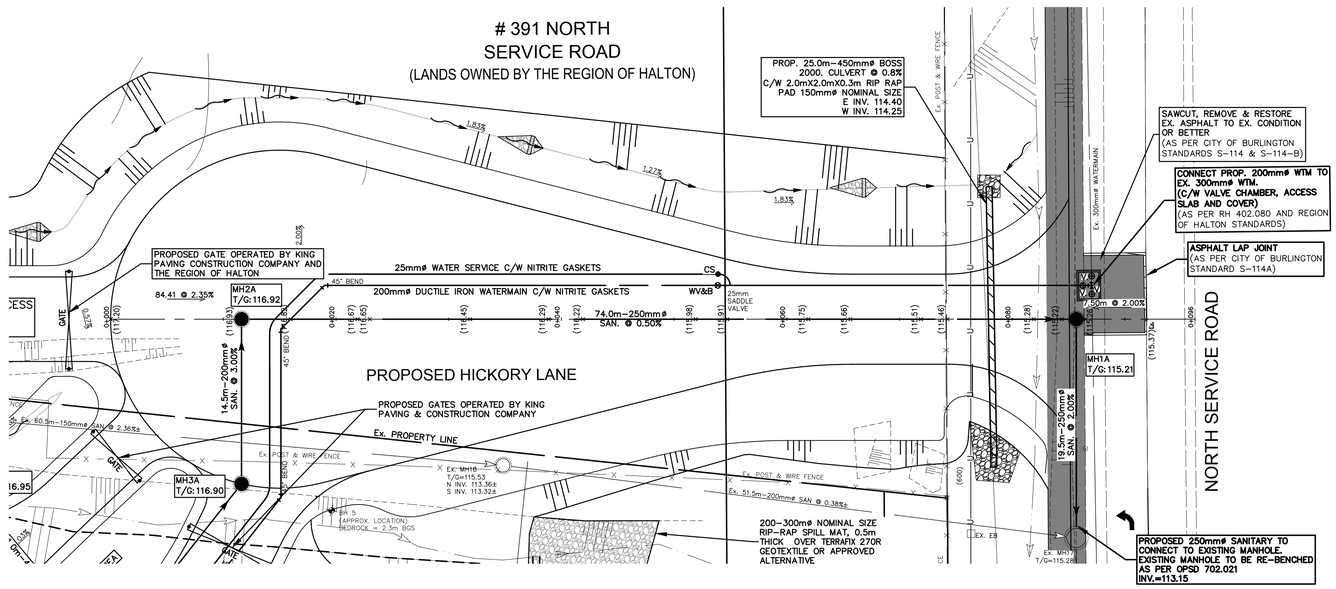
PROJECT No. 20036
DRAWING No. C-109
SCALE 1:250 (0 5 10 15 20 25)

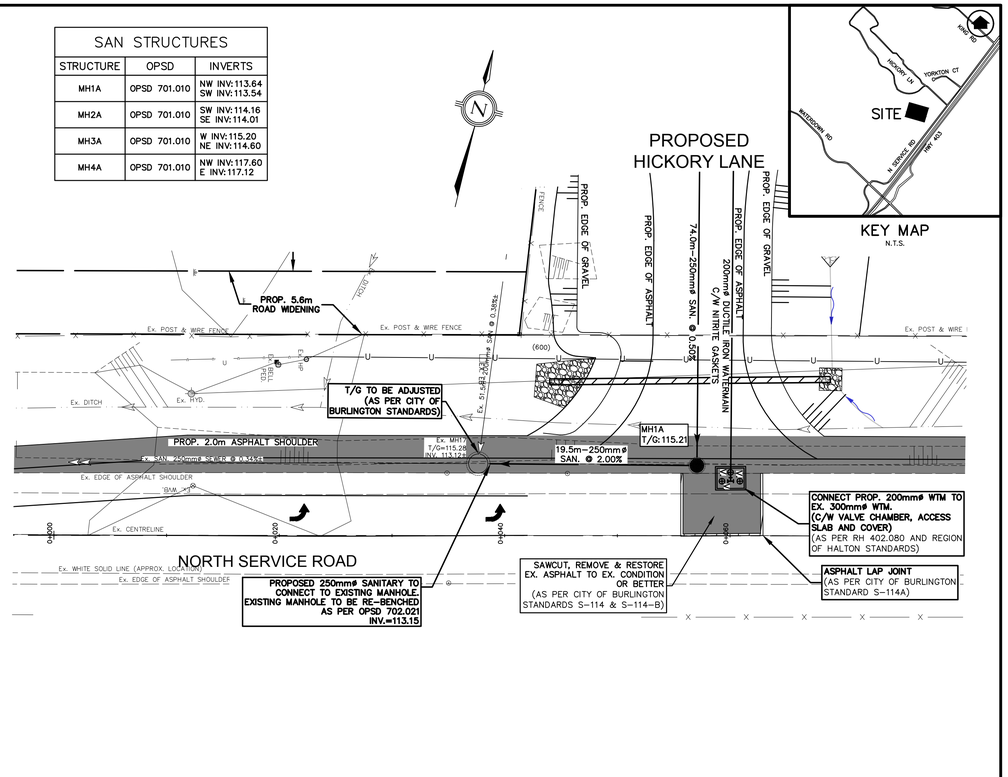
S:\20036\WORKING_Current\20036-Site Servicing and Grading.dwg
Plotted: May 22, 2024 2:51:10 PM By: Blair Henderson

NOTES TO CONTRACTOR:

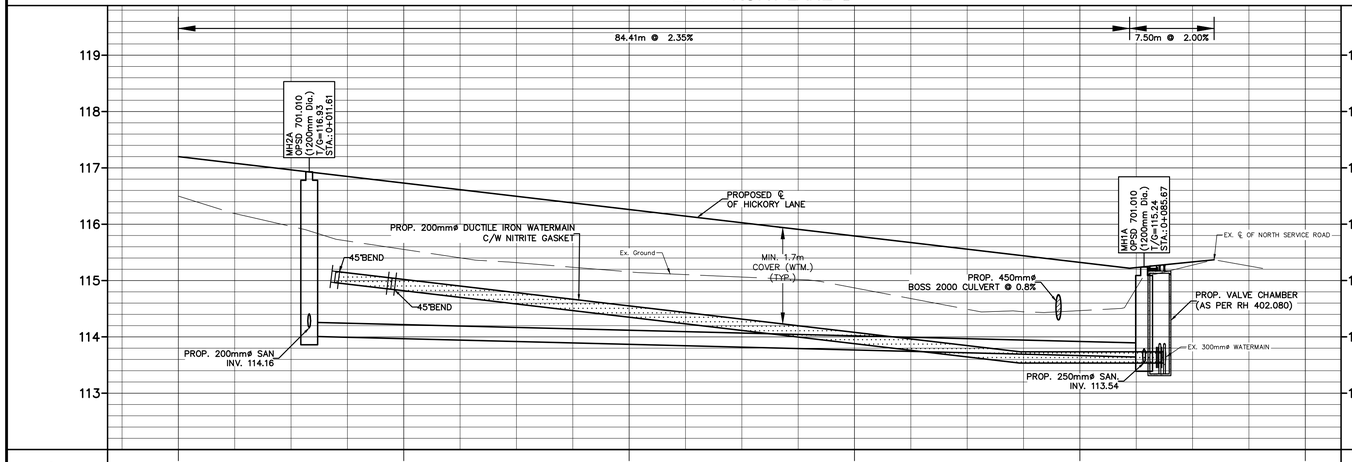
1. INSPECTION
   CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
2. CONFIRMATION OF EXISTING INVERTS
   72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING UTILITIES AND EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

SAN STRUCTURES		
STRUCTURE	OPSD	INVERTS
MH1A	OPSD 701.010	NW INV: 113.64 SW INV: 113.54
MH2A	OPSD 701.010	SW INV: 114.16 SE INV: 114.01
MH3A	OPSD 701.010	W INV: 115.20 NE INV: 114.60
MH4A	OPSD 701.010	NW INV: 117.60 E INV: 117.12



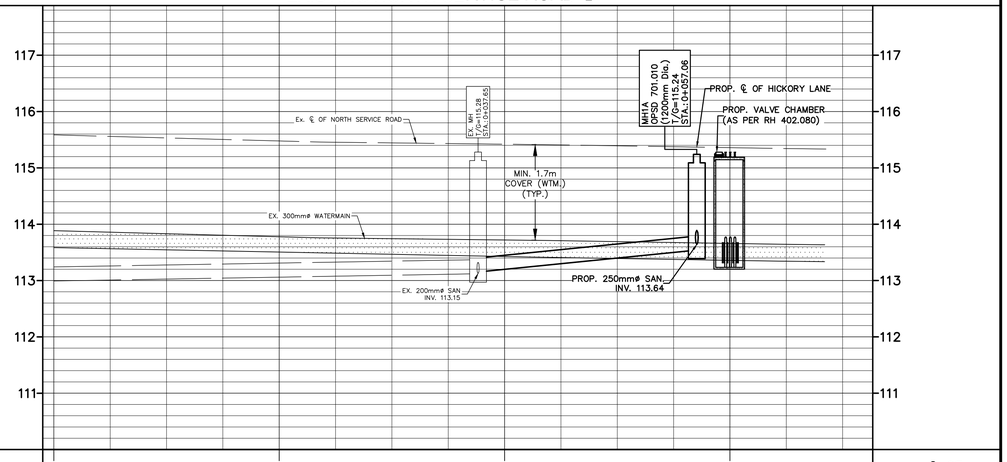


PROPOSED HICKORY LANE ℄



℄ OF ROAD GRADE	115.50 117.20	115.75 116.73	115.16 116.26	114.87 115.79	114.47 115.32
SANITARY SEWER	114.01	74.0m–250mmø PVC SDR 35 STM. @ 0.50% BEDDING PER OPSD 802.010 NATIVE BACKFILL			113.64
CHAINAGE	0+000	0+020	0+040	0+060	0+080	0+100

EXISTING NORTH SERVICE ROAD ℄



℄ OF ROAD GRADE	115.59	115.48	115.42	115.36
SANITARY SEWER	112.81	EX. 92.0m±–250mmø SAN. @ 0.34%±	113.12 113.15	19.5m–250mmø PVC SDR 35 STM. @ 2.00% BEDDING PER OPSD 802.010 NATIVE BACKFILL	113.54
CHAINAGE	0+000	0+020	0+040	0+060

NOTES TO CONTRACTOR:

1. CONTRACTORS AND SUBCONTRACTORS SHALL NOT SCALE FROM THIS DRAWING.
2. ANY INCONSISTENCIES AND OMISSIONS FOUND ON THE DRAWINGS MUST BE REPORTED TO THE ENGINEER FOR CLARIFICATION BEFORE COMMENCING THE WORK.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ALL FINDINGS TO THE ENGINEER. ONCE CONSTRUCTION HAS COMMENCED, THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS.
4. THE POSITIONS OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVER–GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWING, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
5. ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED, REUSED, OR REVISED WITHOUT THE WRITTEN CONSENT OF S. LLEWELLYN AND ASSOCIATES LIMITED.

NO.	DATE	BY	REVISIONS
7.0	MAY 2024	BH	REVISED PER UPDATED SITE PLAN
6.0	AUG. 2023	AS	REVISED PER DECEMBER 2021 COMMENTS
5.0	SEPT 2022	BH	ISSUED FOR HYDRO ONE REVIEW
4.0	MAY 2022	SD	AS PER ROAD WIDENING REQUIREMENTS
3.0	NOV. 2021	SJD	AS PER REVISED SITE LAYOUT PLAN

DESIGN	RB	CHK'D		DATE
DRAWN	RB	CHK'D		May 27, 2021

BENCH MARK NOTE:
UNDERGROUND SERVICE AND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION

INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION

STAMP
LICENSED PROFESSIONAL ENGINEER
S.V. FRANKOWICH
5/22/2024
PROVINCE OF ONTARIO

S. LLEWELLYN & ASSOCIATES LIMITED
CONSULTING ENGINEERS
Tel. (905) 631–6978
Website: www.sla.on.ca
email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
KING PAVING AND CONSTRUCTION COMPANY
3385 HARVESTER ROAD, BURLINGTON ONTARIO

PROJECT NAME
291 NORTH SERVICE ROAD
ASPHALT PLANT
BURLINGTON, ONTARIO
SITE PLAN No.: T.B.D.

TITLE
PRELIMINARY PLAN AND PROFILE

PROJECT No. 20036
DRAWING No. C–110

SCALE
HORIZ. 1:250 0 2.5 5 12.5
VERT. 1:50 0 0.5 1 2.5

S:\20036\WORKING_Current\20036–Site Servicing and Grading.dwg
Plotted: May 22, 2024 4:03:18 PM By: Blair Henderson