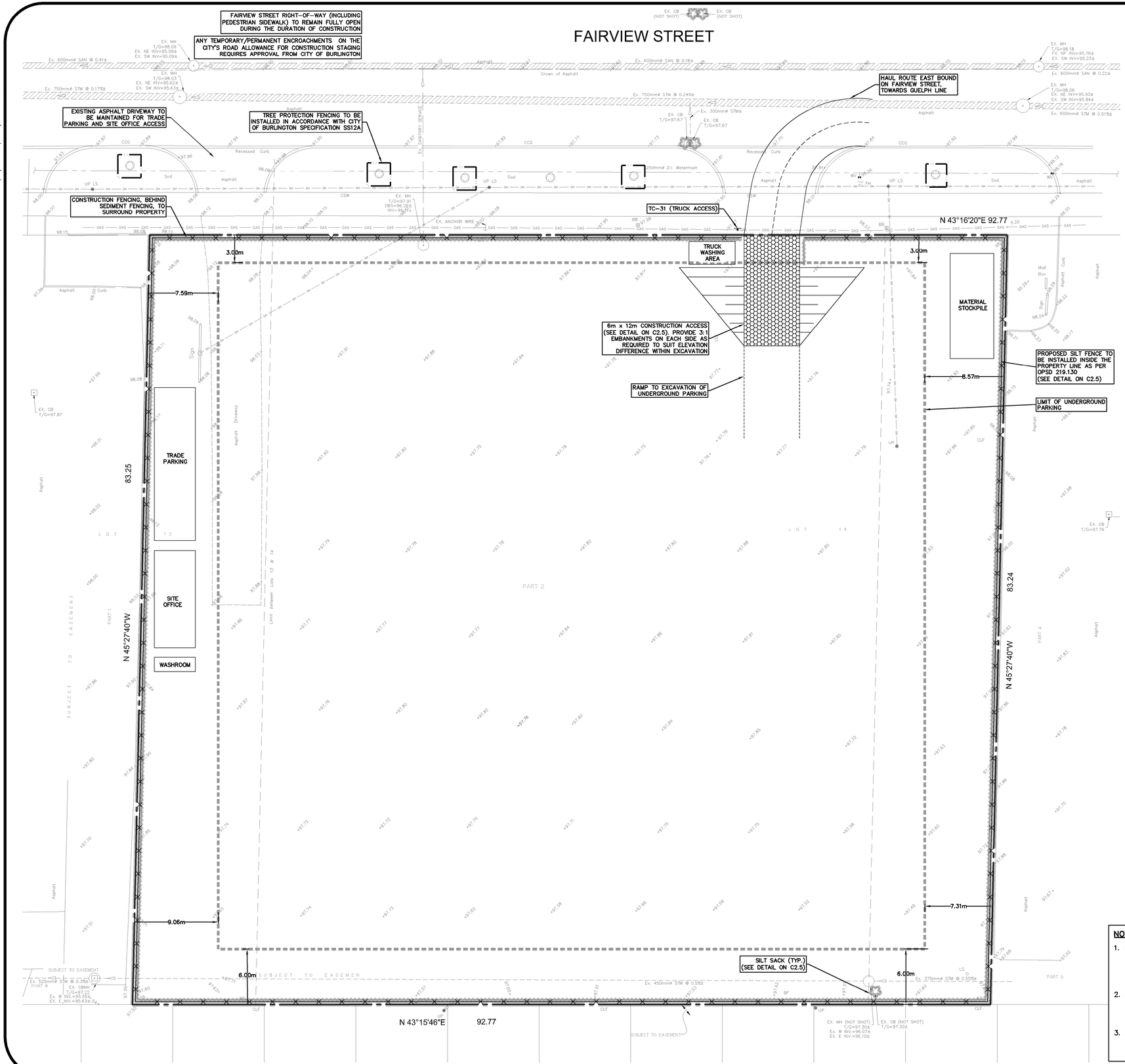
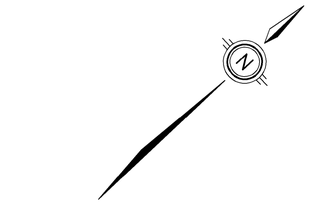


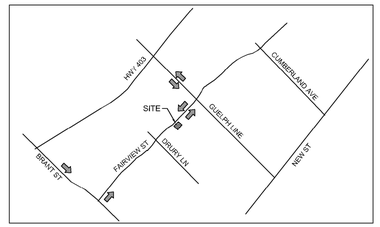


LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING SPOT ELEVATIONS
- EXISTING CURB
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER

LEGEND OF PROPOSED FEATURES

- PROPOSED BUILDING
- LIMIT OF UNDERGROUND PARKING
- SEDIMENT CONTROL FENCE (SEE DETAIL ON C2.5)
- SILT SACK (SEE DETAIL ON C2.5)
- CONSTRUCTION ACCESS (SEE DETAIL ON C2.5)
- DISTANCE FROM PROPERTY LINE TO OUTSIDE LIMIT OF UNDERGROUND PARKING
- TREE PROTECTION FENCING (REFER TO LANDSCAPE PLANS)
- CONSTRUCTION FENCE



CONSTRUCTION ROUTE KEY MAP

LEGEND: ⇨ TRUCK ROUTE

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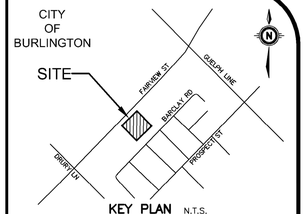
PHASE 1: EXCAVATE FOR UNDERGROUND PARKING GARAGE, CONSTRUCT PARKING LEVELS, AND SURFACE ASPHALT BASE LAYERS.
PHASE 2: INSTALL SITE SERVICING WORKS AND ABOVE GRADE STRUCTURE.
PHASE 3: FINAL SURFACE WORKS (CURB, ASPHALT, SIDEWALK, ETC) AND LANDSCAPING.

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No.	REVISION	BY	YYYY-MM-DD
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3.			
2.	ISSUED FOR DPA/ZBA	JRA	2024-03-15
1.	ISSUED FOR SPA	JRA	2023-05-25

MTE
Engineers, Scientists, Surveyors
905-639-2552

LICENSED PROFESSIONAL ENGINEER — DATE SIGNED 2024-03-15 — J. R. ASZTALOS — 1010100835 — PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT
LOCKWOOD LEASING
1411 SOUTH SERVICE ROAD WEST OAKVILLE

PROJECT
2362 FAIRVIEW STREET NEW MULTI STOREY MIXED-USE BUILDING
2362 FAIRVIEW STREET BURLINGTON

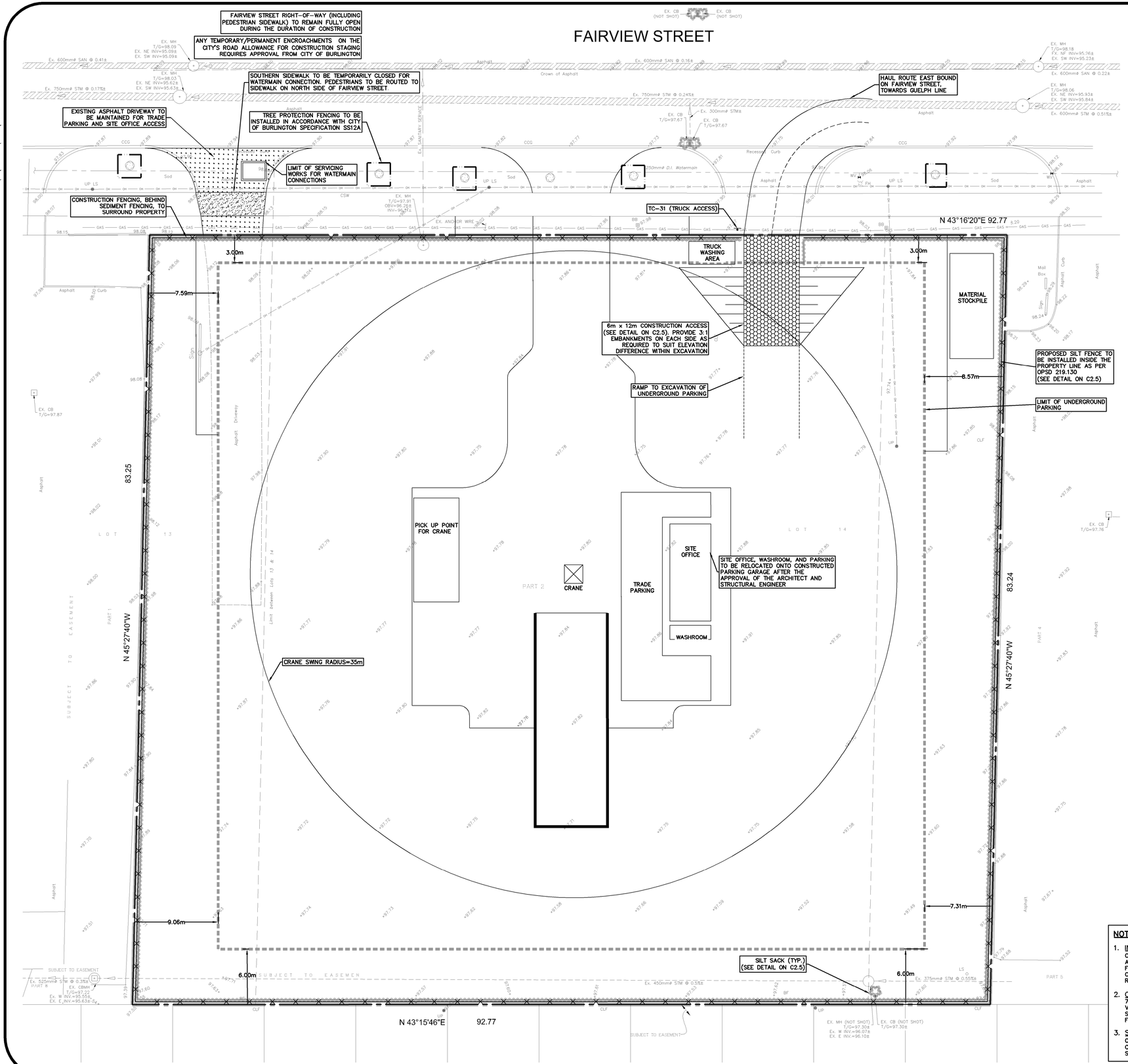
DRAWING
PHASE 1 CONSTRUCTION MANAGEMENT PLAN

Project Manager	J.ASZTALOS	Project No.	38934-200
Design By	JRA	Checked By	KRR
Drawn By	CKM	Checked By	JRA
Surveyed By	OTHERS	Drawing No.	C1.1
Date	May.03/23		
Scale	1:200	Sheet 1 of 8	

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MTE FILE PATH:

March 15, 2024 – 11:08:18 AM – Plotted By: Joseph Asztalos



LEGEND OF EXISTING FEATURES

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- EXISTING SPOT ELEVATIONS
- EXISTING CURB
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- LIMIT OF UNDERGROUND PARKING
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- SILT SACK (SEE DETAIL ON C2.5)
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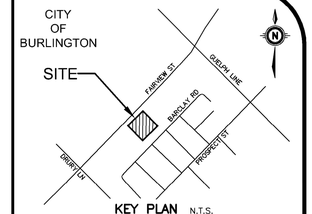
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1.	ISSUED FOR SPA	JRA	2023-05-25

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Engineers, Scientists, Surveyors
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LICENSED PROFESSIONAL ENGINEER — DATE SIGNED 2024-03-15 — J. R. ASZTALOS — 100100835 — PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

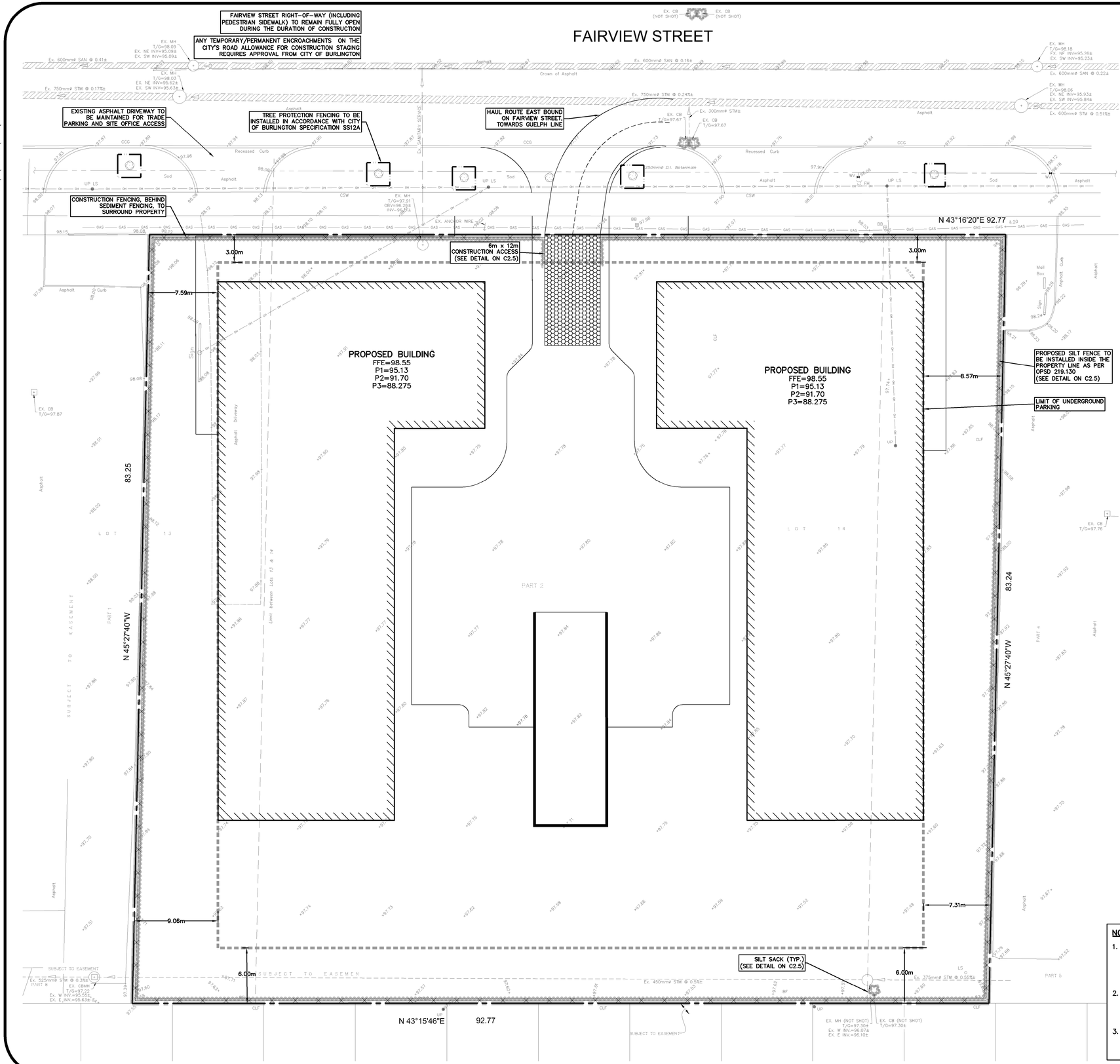
CLIENT
LOCKWOOD LEASING
1411 SOUTH SERVICE ROAD WEST OAKVILLE

PROJECT
2362 FAIRVIEW STREET NEW MULTI STOREY MIXED-USE BUILDING
2362 FAIRVIEW STREET BURLINGTON

DRAWING
PHASE 2 CONSTRUCTION MANAGEMENT PLAN

Project Manager	J.ASZTALOS	Project No.	38934-200
Design By	JRA	Checked By	KRR
Drawn By	CKM	Checked By	JRA
Surveyed By	OTHERS	Drawing No.	C1.2
Date	May.03/23		
Scale	1:200	Sheet 2 of 8	

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MTE FILE PATH:
March 15, 2024 - 11:10:45 AM - Plotted By: Joseph Asztalos



LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING SPOT ELEVATIONS
- EXISTING CURB
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER

LEGEND OF PROPOSED FEATURES

- PROPOSED BUILDING
- LIMIT OF UNDERGROUND PARKING
- SEDIMENT CONTROL FENCE (SEE DETAIL ON C2.5)
- SILT SACK (SEE DETAIL ON C2.5)
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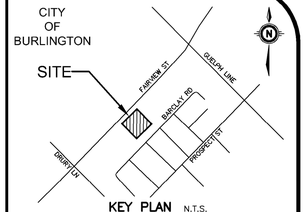
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1.	ISSUED FOR SPA	JRA	2023-05-25

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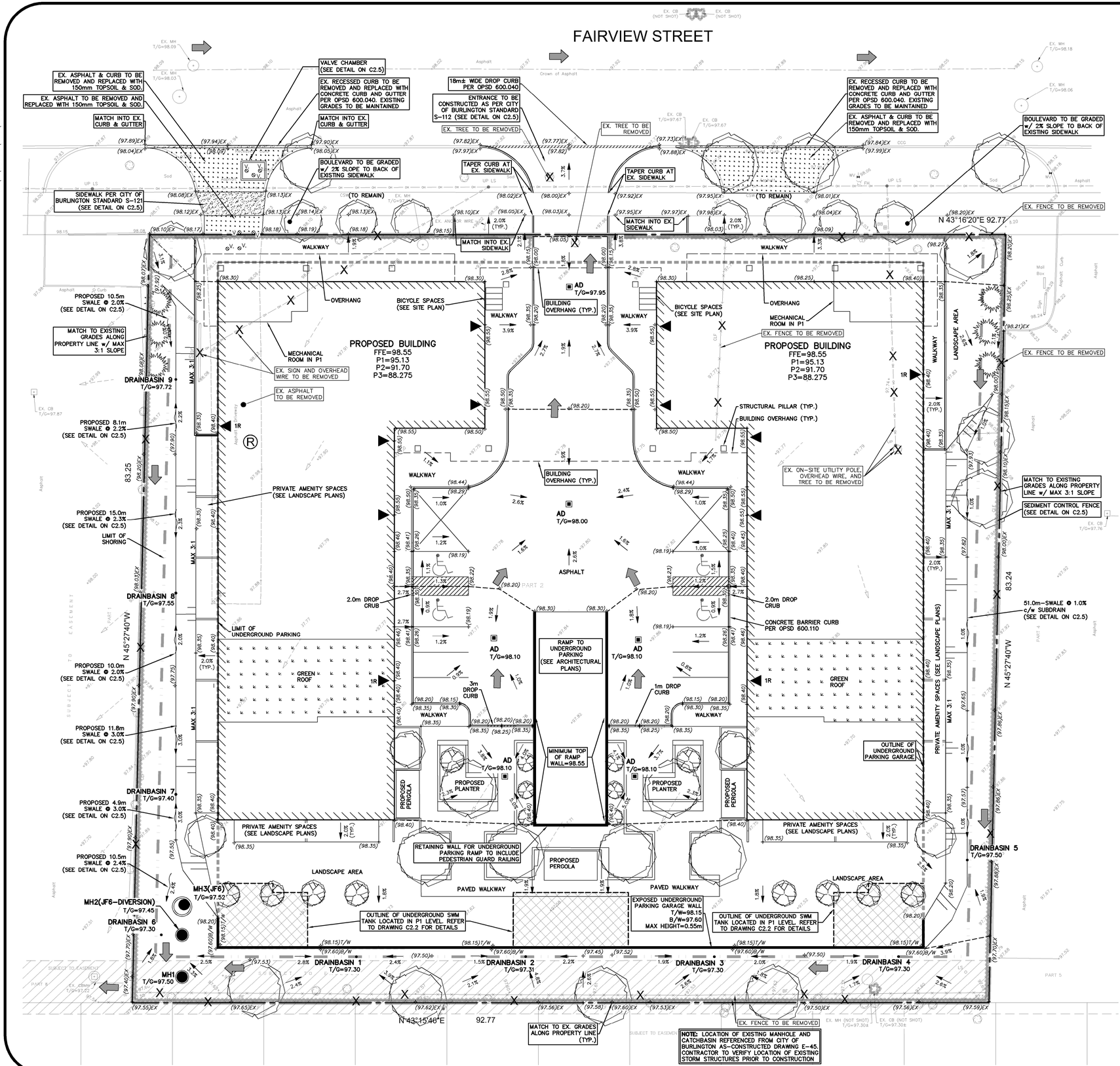
CLIENT
LOCKWOOD LEASING
1411 SOUTH SERVICE ROAD WEST OAKVILLE

PROJECT
2362 FAIRVIEW STREET NEW MULTI STOREY MIXED-USE BUILDING
2362 FAIRVIEW STREET BURLINGTON

DRAWING
PHASE 3 CONSTRUCTION MANAGEMENT PLAN

Project Manager: J.ASZTALOS	Project No.: 38934-200
Design By: JRA	Checked By: KRR
Drawn By: CKM	Checked By: JRA
Surveyed By: OTHERS	Drawing No.: C1.3
Date: May.03/23	
Scale: 1:200	Sheet 3 of 8

MTE FILE PATH: P:\P\38934\200\38934-200-C1
March 15, 2024 - 11:11:14 AM - Plotted By: Joseph Asztalos



LEGEND OF EXISTING FEATURES

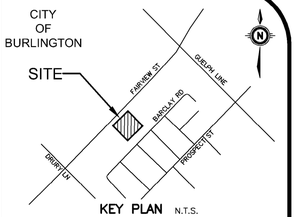
- SITE BOUNDARY
- EASEMENT
- EXISTING SPOT ELEVATIONS
- EXISTING DIRECTION OF DRAINAGE
- EXISTING CURB
- EXISTING FENCE
- EXISTING TREE
- REMOVALS

LEGEND OF PROPOSED FEATURES

- PROPOSED SPOT ELEVATIONS (+326.00), EX =MAINTAIN EXISTING, T/G =TOP OF CASTING/GRATE, INV =INVERT ELEVATION, FFE =FINISHED FLOOR ELEVATION
- DIRECTION OF DRAINAGE/SWALE (1.0% 1.0%)
- DRAINAGE SPLIT
- EMBANKMENT (SLOPE AS NOTED) (TOP) 3:1 (BOTTOM)
- PROPOSED BUILDING
- MAN DOOR
- CONCRETE CURB (DROP CURB)
- RETAINING WALL/EXPOSED PARKING STRUCTURE
- SEDIMENT CONTROL FENCE (SEE DETAIL ON C2.5)
- SILT SACK (SEE DETAIL ON C2.5)
- U/G PARKING LIMIT
- PROP. COLUMN (SEE ARCHITECTURAL PLANS)
- EMERGENCY OVERLAND FLOW ROUTE
- SOD RESTORATION
- CONCRETE RESTORATION
- GREEN ROOF

NOTE: REFER TO LANDSCAPE PLANS PREPARED BY MSLA FOR WALKWAY SURFACING AND LANDSCAPING DETAILS.

CITY OF BURLINGTON



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2362 FAIRVIEW STREET BURLINGTON

DRAWING

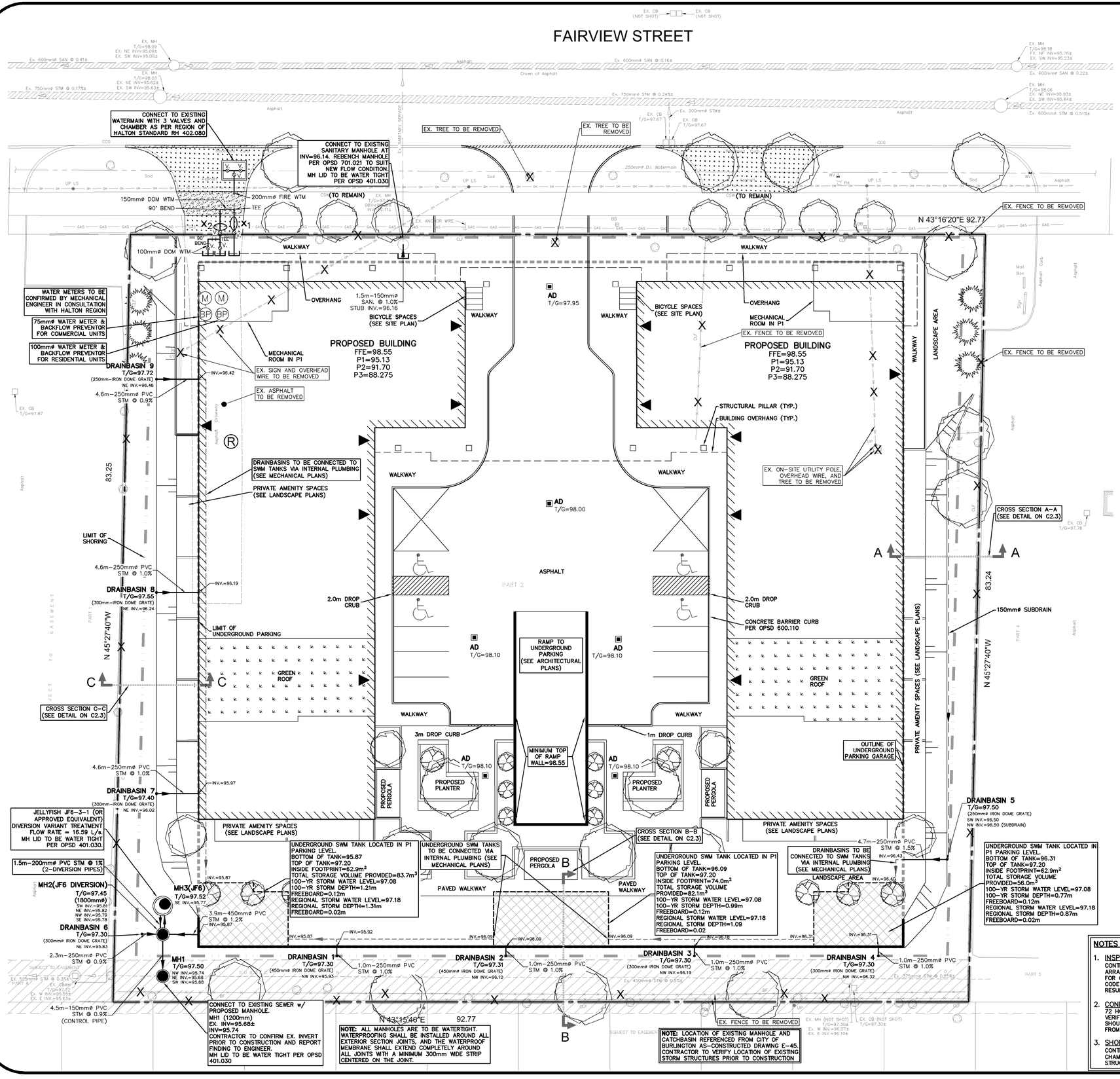
SITE GRADING AND EROSION AND SEDIMENT CONTROL PLAN

Project Manager	J.ASZTALOS	Project No.	38934-200
Design By	JRA	Checked By	KRR
Drawn By	CKM	Checked By	JRA
Surveyed By	OTHERS	Drawing No.	C2.1
Date	Apr.18/23		
Scale	1:200		Sheet 4 of 8

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March 15, 2024 - 2:23:28 PM - Plotted By: Joseph Asztalos



LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EASEMENT
- EXISTING CURB
- EXISTING FENCE
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING TREE
- REMOVALS

LEGEND OF PROPOSED FEATURES

- PROPOSED BUILDING
- MAN DOOR
- EMBANKMENT (SLOPE AS NOTED)
- SANITARY SEWER
- STORM SEWER
- WATERMAIN
- SEWER CROSSING (REFER TO CROSSING CHART)
- CONCRETE CURB
- RETAINING WALL
- U/G PARKING LIMIT
- PROP. COLUMN (SEE ARCHITECTURAL PLANS)
- PERFORATED BIG 'O' SUBDRAIN (SEE DETAIL ON C2.5)
- SOD RESTORATION
- CONCRETE RESTORATION
- U/G STORM TANK
- AREA DRAIN (TO CONNECT TO INTERNAL PLUMBING)
- GREEN ROOF

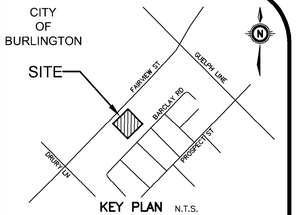
SEWER CROSSING CHART

NOTE:
1) Maintain minimum 0.5m vertical clearance between all watermains and sewers. Where watermain is deflected, ensure 2.0m cover is achieved or watermain is insulated.
2) Maintain vertical clearance at all other crossings.
3) Existing and proposed watermain depths are approximate only. Notify Design Engineer of any discrepancies.
4) Contractor to verify all existing inverts prior to product ordering. Notify Design Engineer of any discrepancies.

CROSSING #	SEWER TYPE	SEWER SIZE (mmø)	CROSSING ELEVATION	NOTES
X1	EX.GAS	UNKNOWN	INV=97.18±	ENSURE 0.5m VERTICAL CLEARANCE BETWEEN EX.GAS AND WTM (TO BE VERIFIED BY CONTRACTOR)
	WTM	200	OBV=96.18	
X2	EX.GAS	UNKNOWN	INV=97.17±	ENSURE 0.5m VERTICAL CLEARANCE BETWEEN EX.GAS AND WTM (TO BE VERIFIED BY CONTRACTOR)
	WTM	150	OBV=96.17	

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 DIMSION 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 SEWERS AT CONNECTION POINTS AND REPORT FINDINGS TO MTE. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.
3. SHOP DRAWINGS
CONTRACTOR TO PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL FOR ALL CHAMBERS AND STRUCTURES PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO ORDERING ANY STRUCTURES AND PARTS.



GEODETIC BM ELEV. = 93.477m
ALL ELEVATIONS SHOWN HEREON ARE GEODETIC AND WERE DERIVED FROM THE CITY OF BURLINGTON BENCHMARK N° 1045 HAVING AN ELEVATION OF 93.477 m. (CGVD28, 1978 RE-ADJUSTMENT)

SITE BENCHMARK ELEV. = N/A m

NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

NOTE:
1. **PROPERTY-LINE IS APPROXIMATE ONLY.**
2. **EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY CUNNINGHAM McCONNELL LIMITED DATED DECEMBER 30, 2022.**
3. **INVERTS DENOTED WITH "±" ARE TAKEN FROM AS-RECORDED PLAN AND PROFILE DRAWINGS COMPLETED BY CITY OF BURLINGTON AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.**
4. **THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C1.2, C1.3, C2.1, C2.2, C2.3, C2.4, C2.5, AND THE SWM REPORT.**

No.	REVISION	BY	YYYY-MM-DD
8.			
7.			
6.			
5.			
4.			
3.			
2.	ISSUED FOR DPA/ZBA	JRA	2024-03-15
1.	ISSUED FOR SPA	JRA	2023-05-25

MTE
Engineers, Scientists, Surveyors
905-639-2552

LICENSED PROFESSIONAL ENGINEER — Original Signed 2024-03-15 — J. R. ASZTALOS — 100500835 — PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT
LOCKWOOD LEASING
1411 SOUTH SERVICE ROAD WEST OAKVILLE

PROJECT
2362 FAIRVIEW STREET NEW MULTI STOREY MIXED-USE BUILDING
2362 FAIRVIEW STREET BURLINGTON

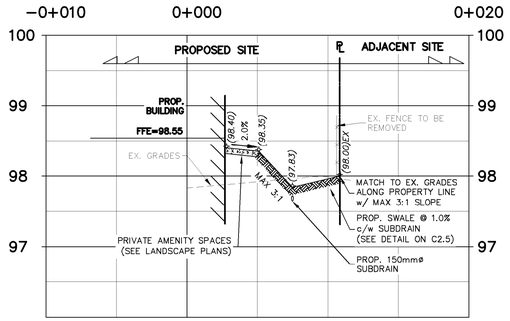
DRAWING
SITE SERVICING PLAN

Project Manager	J.ASZTALOS	Project No.	38934-200
Design By	JRA	Checked By	KRR
Drawn By	CKM	Checked By	JRA
Surveyed By	OTHERS	Drawing No.	C2.2
Date	Apr.18/23		
Scale	1:200	Sheet 5 of 8	

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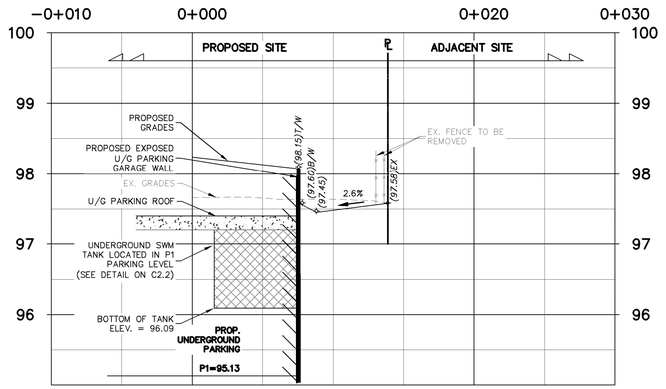
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March 15, 2024 - 11:20:24 AM - Plotted By: Joseph Asztalos



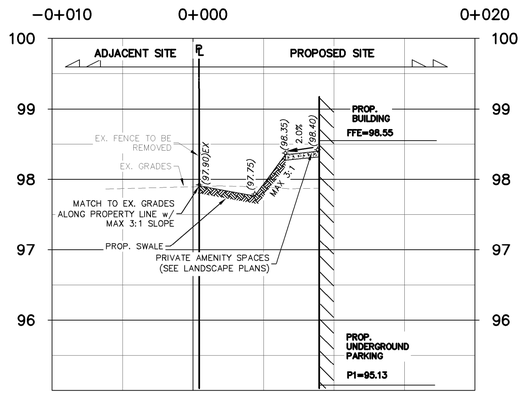
CROSS SECTION A−A

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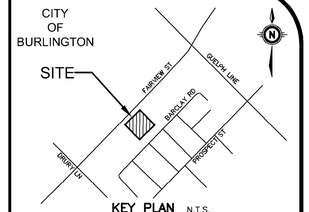
CROSS SECTION B−B

SCALE: H 1:200 V 1:40



CROSS SECTION C−C

SCALE: H 1:200 V 1:40



GEODETIC BM ELEV. = 93.477m

ALL ELEVATIONS SHOWN HEREON ARE GEODETIC AND WERE DERIVED FROM THE CITY OF BURLINGTON BENCHMARK N° 1045 HAVING AN ELEVATION OF 93.477 m. (CGVD28, 1978 RE-ADJUSTMENT)

SITE BENCHMARK ELEV. = N/A m

NOTE TO CONTRACTOR :

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THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

NOTE:

1. **PROPERTY−LINE IS APPROXIMATE ONLY.**
2. **EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY CUNNINGHAM McCONNELL LIMITED DATED DECEMBER 30, 2022.**
3. **INVERTS DENOTED WITH "±" ARE TAKEN FROM AS−RECORDED PLAN AND PROFILE DRAWINGS COMPLETED BY CITY OF BURLINGTON AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.**
4. **THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C1.2, C1.3, C2.1, C2.2, C2.3, C2.4, C2.5, AND THE SWM REPORT.**

No.	REVISION	BY	YYYY-MM-DD
8.			
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MTE
Engineers, Scientists, Surveyors
905-639-2552

LICENSED PROFESSIONAL ENGINEER
Digital Original
2024-03-15
J. R. ASZTALOS
100580835
PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT

LOCKWOOD LEASING

1411 SOUTH SERVICE ROAD WEST OAKVILLE

PROJECT

2362 FAIRVIEW STREET NEW MULTI STOREY MIXED−USE BUILDING

2362 FAIRVIEW STREET BURLINGTON

DRAWING

CROSS SECTIONS PLAN

Project Manager: J.ASZTALOS	Project No.: 38934-200
Design By: JRA	Checked By: KRR
Drawn By: CKM	Checked By: JRA
Surveyed By: OTHERS	Drawing No.: C2.3
Date: Apr.18/23	
Scale: AS NOTED	Sheet 6 of 8

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March 15, 2024 - 11:27:34 AM - Plotted By: Joseph Asztalos

CONSTRUCTION NOTES AND SPECIFICATIONS

1. GENERAL

1.1. THESE PLANS ARE NOT FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY ENGINEER AND APPROVED BY THE LOCAL MUNICIPALITY.

1.2. THESE PLANS ARE TO BE USED FOR SERVICING AND GRADING ONLY; ANY OTHER INFORMATION SHOWN IS FOR ILLUSTRATION PURPOSES ONLY. THESE PLANS MUST NOT BE USED TO SITE THE PROPOSED BUILDING.

1.3. NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.

1.4. THESE PLANS ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF MTE CONSULTANTS INC.

1.5. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST:

1.5.1. CHECK AND VERIFY ALL EXISTING CONDITIONS, LOCATIONS AND ELEVATIONS WHICH INCLUDES BUT IS NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS. REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING.

1.5.2. OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES.

1.5.3. VERIFY THAT THE FINISHED FLOOR ELEVATIONS AND BASEMENT FLOOR ELEVATIONS (WHICH MAY APPEAR ON THIS PLAN) COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.

1.5.4. CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.

1.6. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO EXISTING WORKS. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO LOCAL MUNICIPALITY STANDARDS

1.7. ALL WORKS ON A MUNICIPAL RIGHT-OF-WAY WITH THE EXCEPTION OF WATERMAIN TAPPING, TO BE INSTALLED BY THE OWNER'S CONTRACTOR AT OWNER'S EXPENSE IN ACCORDANCE WITH THE LOCAL MUNICIPALITY'S "PROCEDURE FOR OFF-SITE WORKS BY PRIVATE CONTRACTOR". THE OWNER AND CONTRACTOR ARE TO ENSURE OFF-SITE WORKS PERMIT IS IN PLACE PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL AFFECTED PROPERTY TO ORIGINAL CONDITION. ALL BOULEVARD AREAS SHALL BE RESTORED WITH 150mm TOPSOIL AND SOD.

1.8. ALL UNDERGROUND SERVICES ARE TO BE CONSTRUCTED IN FULL COMPLIANCE WITH THE ONTARIO PROVINCIAL BUILDING CODE (PART 7, PLUMBING), THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) AND THE REQUIREMENTS OF THE LOCAL MUNICIPALITY AND THE REGIONAL MUNICIPALITY OF HALTON REGION; WHICH CODES AND REGULATIONS SHALL SUPERSEDE ALL OTHERS.

1.9. 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.

1.10. SANITARY AND STORM SEWERS AND SERVICES TO HAVE A MINIMUM 1.2m COVER TO TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED PIPE IN ACCORDANCE WITH APPLICABLE "SEWER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS. CONTACT DESIGN ENGINEER FOR "SEWER PIPE INSULATION DETAIL" IF REQUIRED.

1.11. PLAN TO BE READ IN CONJUNCTION WITH MTE DRAWING C1.1, C1.2, C1.3, C2.1, C2.2, C2.3, C2.5, AND SWM REPORT.

1.12. SITE PLAN INFORMATION TAKEN FROM PLAN PREPARED BY TERRY MARTINO, RECEIVED FEBRUARY 28, 2024.

1.13. EXISTING TOPOGRAPHIC AND LEGAL INFORMATION TAKEN FROM PLAN PREPARED BY CUNNINGHAM McCONNELL LIMITED, DATED 30th DECEMBER, 2022. MTE ASSUMES THAT ALL TOPOGRAPHICAL INFORMATION IS AN ACCURATE REPRESENTATION OF CURRENT CONDITIONS.

1.14. CONTRACTOR TO OBTAIN WRITTEN PERMISSION FROM ADJACENT PROPERTY OWNER PRIOR TO ENTERING UPON NEIGHBOURING LANDS TO UNDERTAKE ANY WORK. COPIES OF THESE LETTERS OF CONSENT SHALL BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT CONTRACTOR'S OWN RISK.

1.15. RETAINING WALLS TO BE DESIGNED BY OTHERS. FOR WALLS EXCEEDING 1.0m IN HEIGHT, SHOP DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL AND BUILDING PERMIT MUST BE OBTAINED. WALLS OVER 0.6m IN HEIGHT REQUIRE HIGH SIDE OF RETAINING WALLS TO BE BACKFILLED WITH FREE DRAINING MATERIAL.

1.16. ALL RETAINING WALLS 1.0m IN HEIGHT AND OVER MUST BE APPROVED BY THE CBO. ALL RETAINING WALLS LESS THAN 1.0m IN HEIGHT MUST BE APPROVED BY PLANNING.

1.17. SITE SERVICING CONTRACTOR TO TERMINATE ALL SERVICES 1 METRE FROM FOUNDATION WALL.

1.18. FILTER FABRIC TO BE TERRAFIX 270R OR APPROVED EQUAL.

1.19. MAXIMUM GRASSED SLOPE TO BE 3:1. SLOPES GREATER THAN 3:1 TO BE LANDSCAPED WITH LOW MAINTENANCE GROUND COVER.

1.20. SIDE SLOPES OF ALL STOCKPILES OR EXTRACTION FACES TO BE MAINTAINED AT 70 DEGREES OR LESS BETWEEN EARLY APRIL AND LATE AUGUST TO DETER BANK SWALLOWS FROM NESTING.

1.21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS, AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE LOCAL MUNICIPALITY AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

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

1.23. CONTRACTOR TO MAINTAIN A 'CONFINED TRENCH CONDITION' IN ALL SEWER AND SERVICE TRENCHES.

1.24. FOLLOWING COMPLETION OF PROPOSED WORKS AND PRIOR TO OCCUPANCY INSPECTION, ALL STORM AND SANITARY SEWERS ARE TO BE FLUSHED, AND ALL CATCHBASIN AND CATCHBASIN MANHOLE SUMPS ARE TO BE CLEANED OF DEBRIS AND SILT.

1.25. ALL SERVICE CONDUITS (STORM, SANITARY, WATER) ARE TO BE INSTALLED WITH UTILITY TRENCH DAMS AS PER OPSD 802.095. EACH CONDUIT TO BE INSTALLED WITH A MINIMUM OF ONE (1) DAM OR AS DIRECTED BY THE DESIGN ENGINEER IN CONSULTATION WITH THE QUALIFIED PROFESSIONAL. CONDUIT SEALS (GASKET OR SIMILAR PRODUCT OR DEVISE AS APPROPRIATE FOR THE SHAPE AND SIZE OF THE SERVICE) TO BE INSTALLED WHERE A UTILITY ENTERS A BUILDING OR BELOW GRADE STRUCTURE.

1.26. ALL STORM AND SANITARY SEWERS SHALL BE CONSTRUCTED COMPLETELY WATERTIGHT USING GASKETED JOINTS OR OTHER APPROVED METHOD.

1.27. CONTRACTOR RESPONSIBLE FOR TESTING OF STORM AND SANITARY SEWERS IN ACCORDANCE WITH OPSS 409&410.

1.28. UNDER NO CIRCUMSTANCES SHALL THE BUILDING FOUNDATION DRAINS BE CONNECTED TO THE STORM OR SANITARY SEWER SYSTEM. BUILDING FOUNDATION SHALL BE CONSTRUCTED WATER-TIGHT AS PER STRUCTURAL AND ARCHITECTURAL DESIGN.

2. STORM SEWERS

2.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030, 802.031, OR 802.032. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010. BEDDING MATERIAL AND COVER MATERIAL TO BE GRANULAR "A". TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

2.2. STORM SEWERS, 150mmø AND SMALLER, SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR28 ASTM-D3034 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS.

2.3. STORM SEWERS 200mmø TO 450mmø SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR35 ASTM-D3034 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS. RIBBED PVC NOT TO BE USED.

2.4. FACTORY FABRICATED WYES SHALL BE USED FOR ALL SERVICE CONNECTIONS.

2.5. MANHOLES AND MANHOLE CATCHBASINS TO BE 1200mmø PRECAST WITH ALUMINIUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE SPECIFIED.

2.6. DRAIN BASINS TO BE NYLOPLAST DRAIN BASINS (OR APPROVED EQUIVALENT). AREA DRAINS TO BE EQUIPPED WITH GRATES AS SHOWN ON THE SITE SERVICING PLAN.

2.7. AREA DRAINS LOCATED ABOVE UNDERGROUND PARKING STRUCTURE TO BE SPECIFIED BY MECHANICAL CONSULTANT AND/OR ARCHITECT.

2.8. ALL STORM CATHBASINS TO HAVE A MINIMUM 600mm DEEP SUMP. MANHOLES TO BE BENCHED PER OPSD 701.021.

2.9. MANHOLE AND CATCHBASIN, FRAMES, GRATES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.

2.10. STORM MANHOLE LIDS TO BE PER OPSD 401.010 – TYPE 'B' CATCHBASIN AND CATCHBASIN MANHOLE GRATES TO BE PER OPSD 400.100. DITCH INLET CATCHBASIN GRATES TO BE PER OPSD 403.010.

2.11. ADJUSTMENT UNITS FOR STORM STRUCTURES TO BE IN ACCORDANCE WITH OPSD 704.010 OR 704.011.

2.12. STORM SEWERS AND SERVICES TO HAVE MINIMUM 1.2m COVER TO TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED SEWER PIPE IN ACCORDANCE WITH APPLICABLE "SEWER PIPE INSULATION DETAIL".

3. EROSION AND SEDIMENT CONTROL

3.1. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS SHOWN PRIOR TO CONSTRUCTION AND MAINTAIN IN GOOD CONDITION UNTIL CONSTRUCTION IS COMPLETED AND ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE COVER.

3.2. ALL SEDIMENT CONTROL FENCING TO BE INSTALLED PRIOR TO ANY AREA GRADING, EXCAVATING OR DEMOLITION COMMENCING.

3.3. EROSION CONTROL FENCING TO BE INSTALLED AROUND BASE OF ALL STOCKPILES. ALL STOCKPILES TO BE KEPT 2.5m MINIMUM FROM PROPERTY LINE.

3.4. EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MHs AND CBs.

3.5. CONSTRUCTION ACCESS (MUD MAT) TO BE PROVIDED ON-SITE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. CONSTRUCTION ACCESS (MUD MAT) SHALL BE A MINIMUM OF 6.0m WIDE, 12.0m LONG (LENGTH MAY VARY DEPENDING ON SITE LAYOUT) AS PER DETAIL ON C2.5. CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE MUD MAT AND THAT THE MAT IS MAINTAINED IN A MANNER TO MAXIMIZE EFFECTIVENESS AT ALL TIMES.

3.6. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.

3.7. EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED.

3.8. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER AND THE LOCAL MUNICIPALITY'S DEPARTMENT OF PUBLIC WORKS.

3.9. CONTRACTOR TO CLEAN ROADWAY AND SIDEWALKS OF SEDIMENTS RESULTING FROM CONSTRUCTION TRAFFIC FROM THE SITE EACH DAY.

3.10. CONTRACTOR MUST REMOVE EROSION AND SEDIMENTATION FENCING PRIOR TO COMPLETION OF PROJECT. CONTRACTOR TO HAVE EROSION AND SEDIMENTATION FENCE INSPECTED WHEN VEGETATION HAS ESTABLISHED, BUT PRIOR TO FENCE BECOMING OVERGROWN. ENGINEER'S REPRESENTATIVE TO DETERMINE IF VEGETATION HAS REACHED THE CRITICAL POINT AND WILL THEN INSTRUCT CONTRACTOR TO REMOVE FENCE.

4. MAINTENANCE RECOMMENDATIONS

4.1. DURING THE COURSE OF CONSTRUCTION CONTRACTOR TO REMOVE SEDIMENT AND CONTAMINANTS FROM STORMWATER MANAGEMENT FACILITIES MONTHLY. FOLLOWING CONSTRUCTION CONTRACT COMPLETION, OWNER TO HIRE QUALIFIED CONTRACTOR TO REMOVE SEDIMENT AND CONTAMINANTS ANNUALLY AND REINSTATE STORMWATER MANAGEMENT FACILITIES ACCORDING TO THE DESIGN OUTLINED ON THIS PLAN, AS REQUIRED.

4.2. EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY AND ANY DAMAGE REPAIRED IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE FENCE.

4.3. OWNER'S REPRESENTATIVE TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.

4.4. THE PROPOSED JELLYFISH WILL REQUIRE REGULAR ANNUAL MAINTENANCE. OWNER TO ENTER INTO A MAINTENANCE AGREEMENT WITH A SUITABLE CONTRACTOR TO COMPLETE THIS WORK.

5. GRADING NOTES

5.1. CHANGES IN GRADES REQUIRE THE WRITTEN APPROVAL OF THE CONSULTANT AND THE CITY OF BURLINGTON.

5.2. CONTRACTOR TO MATCH EXISTING GRADES AT PROPERTY LINE UNLESS OTHERWISE NOTED. REVISED GRADING DRAWINGS REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF BURLINGTON IF EARTH BERMS ARE TO BE CREATED.

5.3. DRIVEWAYS TO BE CONSTRUCTED AS PER CITY OF BURLINGTON STANDARDS INDICATED ON GRADING PLAN.

6. RESTORATIONS

6.1. RESTORATIONS TO CONFORM TO CITY OF BURLINGTON AND REGION OF HALTON STANDARDS.

6.2. RESTORATIONS OF ROAD OVER UTILITY CUTS TO BE AS PER CITY OF BURLINGTON STANDARD DRAWINGS S-114, S-114A, AND S-114B.

6.3. ALL BOULEVARDS AFFECTED BY CONSTRUCTION ACTIVITIES TO BE RESTORED TO EXISTING CONDITIONS OR BETTER WITH #1 NURSERY SOD ON A MINIMUM 150mm OF SELECT TOPSOIL.

6.4. ALL FENCES AFFECTED BY CONSTRUCTION SHALL BE REMOVED, TEMPORARILY RELOCATED AND/OR STOCKPILED IF APPROVED BY THE ENGINEER, AND REINSTATED UPON COMPLETION OF CONSTRUCTION.

REGION OF HALTON SERVICING NOTES

GENERAL NOTES

1. THE LOCATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THESE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE LOCATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. ALL AREAS DISTURBED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE WORKS SHOWN HEREIN SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER AS DETERMINED BY PLANNING AND PUBLIC WORKS DEPARTMENT. ALL GRASS AND VEGETATION COVERED AREAS SHALL BE RESTORED BY PLACING 100 mm OF TOPSOIL AND NO. 1 NURSERY SOD TO ESTABLISH A GRASS COVER TO THE SATISFACTION OF THE LOCAL MUNICIPALITY UNLESS NOTED OTHERWISE.
3. LOCAL MUNICIPALITY STANDARDS AND DRAWINGS AND REGION OF HALTON STANDARD DRAWINGS AND O.P.S.D. WITH REGIONAL AMENDMENTS FOR SANITARY SEWERS AND WATERMAINS SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT.
4. ALTERNATIVE MATERIALS MAY BE ACCEPTABLE, PROVIDED APPROVAL HAS FIRST BEEN OBTAINED FROM THE CITY/TOWN ENGINEER AND/OR THE REGIONAL COMMISSIONER OF PLANNING AND PUBLIC WORKS.
5. NO BLASTING IS PERMITTED.
6. ANY AREAS WITHIN R.O.W. WHICH REQUIRE FILL IN EXCESS OF 0.30m ARE SUBJECT TO COMPACTION TESTS AND SUCH TESTS MUST SHOW A MIN. COMPACTION OF 95% S.P.D. AT ALL DEPTHS.
7. MANHOLE AND VALVE CHAMBER COVERS ARE TO BE SET FLUSH WITH BASE COURSE ASPHALT AND ADJUSTED TO FINAL GRADE PRIOR TO INSTALLING TOP LIFT OF ASPHALT.
8. ALL TRENCHES WITHIN EXISTING RIGHT-OF-WAY ARE TO BE BACKFILLED IN ACCORDANCE WITH CITY OF BURLINGTON REQUIREMENTS.

SANITARY SEWER NOTES

1. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010. BEDDING MATERIAL AND COVER MATERIAL TO BE GRAN. "A". TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
2. SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) PIPE SDR35 CONFORMING TO ASTM-D3034 CSA B182.2 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS.
3. SANITARY MANHOLES TO BE 1200mm DIAMETER PRECAST WITH ALUMINUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE NOTED.
4. SANITARY MANHOLE FRAMES AND COVERS AS PER O.P.S.D. 401.01 TYPE "A" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
5. BENCHING IN MANHOLES TO BE AS PER O.P.S.D. 701.021 AS AMENDED BY THE REGION OF HALTON. BENCHING IN SANITARY MANHOLES TO BE TO THE OBVERT OF THE PIPE.
6. SAFETY PLATFORMS AS PER O.P.S.D. 404.020 TO BE INSTALLED ONLY IN MANHOLES WHERE DEPTHS EXCEED 10.0M AS DIRECTED BY THE REGION AND AS INDICATED ON THE PROFILE DRAWINGS.
7. SANITARY SERVICE CONNECTIONS TO BE 125mm DIA. FOR SINGLE RESIDENTIAL CONNECTIONS AND 200mm DIA. FOR DUAL RESIDENTIAL AND SINGLE NON-RESIDENTIAL CONNECTIONS. SANITARY SERVICE CONNECTIONS TO BE MINIMUM 2% GRADE AND SHALL BE NON-WHITE IN COLOUR.
8. CONTRACTOR TO CLEAN AND FLUSH ALL SEWER PIPES, STORM WATER QUALITY DEVICES (OIL/GRIT SEPARATOR UNITS), MANHOLES, CATCHBASINS AND DITCH INLETS IN ACCORDANCE WITH CITY OF BURLINGTON SPECIFICATIONS (SPEC No.SS7). ADDITIONALLY, THE CONTRACTOR IS TO PROVIDE MTE CONSULTANTS INC. A COPY OF THE SERVICE COMPANY'S PAID INVOICE FOR THE CLEAN-OUT WORK FOR REVIEW AND SUBMISSION TO HE CITY OF BURLINGTON.
9. UPON COMPLETION OF THE CLEANING AND FLUSHING ACTIVITIES, THE CONTRACTOR IS REQUIRED TO COMPLETE CLOSED-CIRCUIT TELEVISION (CCTV) INSPECTION IN ACCORDANCE WITH THE CITY OF BURLINGTON SPECIFICATIONS (SPEC No.SS7) AND OPSS 409. CONTRACTOR TO SUPPLY MTE CONSULTANTS INC. WITH CCTV VIDEOS IN DVD/CD FORMAT FOR REVIEW AND SUBMISSION TO THE CITY OF BURLINGTON.

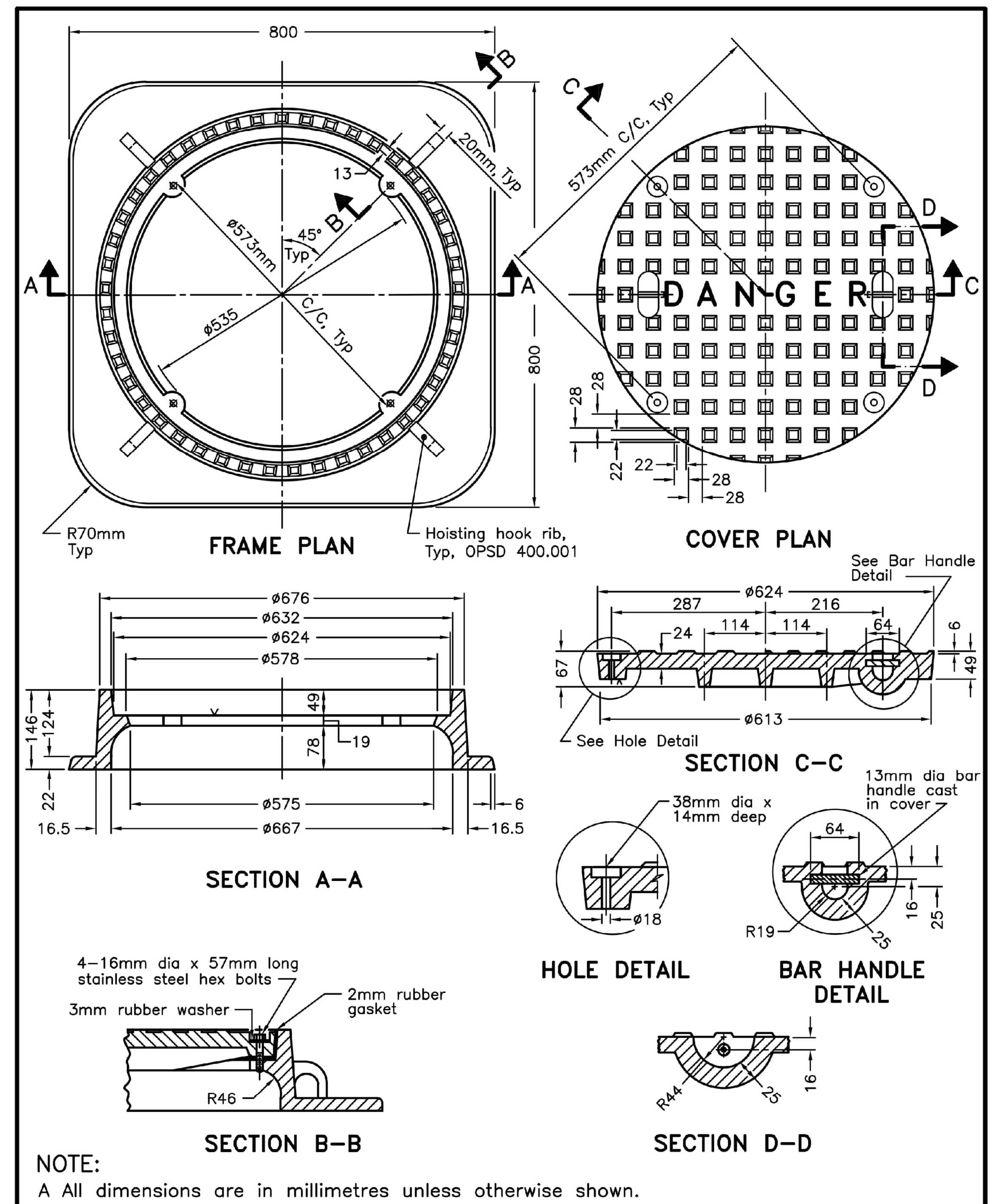
WATERMAIN NOTES

1. ALL WATERMAIN INSTALLATION SHALL CONFORM TO THE LATEST REVISIONS OF THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS) AS AMENDED BY THE REGIONAL MUNICIPALITY OF HALTON.
2. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010. BEDDING MATERIAL AND COVER MATERIAL TO BE GRAN. "A". TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 200mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY AND SHALL CONFORM TO OPSS 401.
3. WATER SERVICE CONNECTIONS TO BE AS PER O.P.S.D. 1104.010 AND O.P.S.D. 1104.020. PIPE FOR ALL SERVICE CONNECTIONS UP TO 50mm DIA. SHALL BE TYPE K SOFT COPPER TUBING.
4. WATERMAINS 150mm TO 300mm DIAMETER TO BE P.V.C. CL150 (DR-18) WITH GASKETED JOINTS.
5. A MIN. HORIZONTAL SEPARATION OF 2.5m MUST BE MAINTAINED BETWEEN WATERMAINS AND SANITARY OR STORM SEWERS, INCLUDING SERVICE LATERALS.
6. A MIN. VERTICAL SEPARATION OF 0.5m BETWEEN WATERMAINS AND SEWERS MUST BE MAINTAINED WHEN WATERMAIN CROSSING UNDER SEWERS.
7. A MIN. VERTICAL SEPARATION OF 0.15m BETWEEN WATERMAIN AND SEWERS MUST BE MAINTAINED WHEN WATERMAIN CROSSING ABOVE SEWERS.
8. ALL HYDRANTS AS PER O.P.S.D. 1105.010 TO HAVE STEAMER CONNECTIONS. HYDRANTS TO BE SUPPLIED WITH:
   - TWO (2) 63.5mm (2½") WITH CSA STANDARD THREAD, 63.5mm I.D., 79.4 O.D., 5 THREADS PER 25mm, 31.75mm SQUARE OPERATING NUT; AND
   - ONE (1) 100mm (4") STORZ PUMPER CONNECTION AS PER CAN/ULC #S-520, 31.75mm SQUARE OPERATING NUT, AND STORZ CAP PAINTED GLOSS BLACK.

8. HYDRANTS SHALL BE INSTALLED SUCH THAT THE ROD STEM LENGTH SHALL NOT EXCEED 1.7m MEASURED FROM THE BREAK-OFF FLANGE. IF HYDRANT BARREL LENGTH EXCEEDS 1.7m THEN A HYDRANT THAT CAN BE RAISED FROM THE BOTTOM WITHOUT INCREASING ROD LENGTH IS TO BE USED.
9. ALL METALLIC WATERMAINS, FITTINGS, HYDRANTS AND RESTRAINERS TO HAVE ONE ZINC ANODE PER LENGTH OF PIPE IN SIZES ACCORDING TO TABLE A.7.1 AND INSTALLED IN ACCORDANCE WITH REGION OF HALTON STANDARD DRAWINGS RH 420.01 AND RH 420.02.
10. ALL SACRIFICIAL ANODES SHALL CONFORM TO A.S.T.M. B-418 TYPE II AND SHALL BE MADE OF HIGH GRADE ELECTROLYTIC ZINC, 99.99% PURE.
11. ANODE INSTALLATION IS NOT REQUIRED WITHIN VALVE-CHAMBERS, DRAIN CHAMBERS OR AIR RELEASE CHAMBERS.
12. ALL WELD CONNECTIONS TO BE COATED WITH "TC MASTIC" OR APPROVED EQUIVALENT.
13. FOR ALL ANODES CONNECTED TO NEW PIPE, FITTINGS OR TO EXISTING METALLIC WATERMAINS, A CADWELDER AND CA-15 OR EQUIVALENT CARTRIDGE SHALL BE USED. ANODE INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
14. WHERE NEW PIPE IS TO BE CONNECTED TO EXISTING DUCTILE IRON OR CAST IRON PIPE A 14.5kg MAGNESIUM ANODE IS TO BE CONNECTED TO THE FIRST LENGTH OF EXISTING PIPE, AS PER REGION OF HALTON STANDARD DRAWING RH 420.01.
15. ALL VALVES TO OPEN LEFT (COUNTER-CLOCKWISE) AND SHALL HAVE 50mm SQUARE STANDARD AWWA OPERATING NUT.
16. ALL PLUGS, CAPS, TEES, AND BENDS SHALL BE MECHANICALLY RESTRAINED AS PER MANUFACTURERS SPECIFICATIONS. RESTRAINTS SHALL MEET UNI-B-13-92. CONCRETE THRUST BLOCKS SHALL ONLY BE USED IN SPECIAL CIRCUMTANCES WITH THE APPROVAL OF THE REGION OF HALTON.
17. RECOMMENDED RESTRAINED LENGTH ARE AS FOLLOWS:

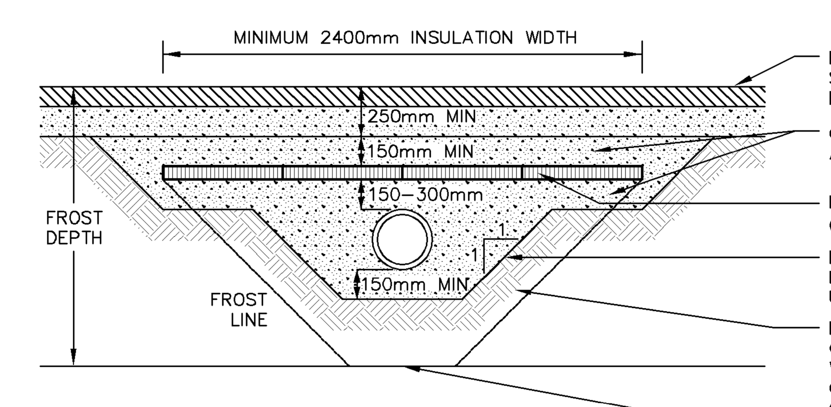
RECOMMENDED RESTRAINED LENGTHS 150mm, 200mm AND 300mm PVC PIPE					
MAIN SIZE	22.5° V. BEND UPPER/LOWER	45° H. BEND	TEE STRAIGHT/BRANCH	G.V. / DEAD END	SOIL TYPE
150mm	2.01m 0.70m	1.62m	BR. ONLY	10.18m	CL
200mm	2.65m 0.91m	2.10m	BR. ONLY	13.29m	CL
300mm	3.81m 1.31m	3.05m	1.98m BR. ONLY	19.23m	CL

18. WHERE WATERMAIN IS PLACED IN FILL OR IN PREVIOUSLY DISTURBED GROUND ALL JOINTS TO BE MECHANICALLY RESTRAINED.
19. MINIMUM DEPTH OF COVER OVER WATERMAIN SHALL BE 1.70m. ON OPEN DITCH OR UNIMPROVED ROADS, AN INCREASED COVER (2.3m MINIMUM) SHALL BE PROVIDED TO ALLOW FOR FUTURE ROAD IMPROVEMENTS OR LOWERING OF THE ROAD PROFILE WHEN URBANIZATION OCCURS. IN AREAS WHERE MINIMUM COVER CANNOT BE ACHIEVED, SPECIAL PROVISION SHALL BE CONSIDERED TO PROTECT PIPE FROM LIVE LOADING AND FREEZING.
20. THE DEPTH OF WATER SERVICES AT PROPERTY LINE SHOULD BE A MINIMUM OF 1.7m AND A MAXIMUM OF 2.0m. THE DISTANCE BETWEEN THE GROUND ELEVATION AND THE TOP OF THE ROD SHOULD BE BETWEEN 0.5m AND 1.0m.
21. GATE VALVES CONFORMING TO A.W.W.A. C500 STANDARDS ARE REQUIRED ON WATERMAINS 300mm AND UNDER. ALL VALVES REQUIRE VALVE BOXES. LINE GATE VALVES SHALL HAVE AUGER OF SCREW TYPE VALVE BOXES.
22. ALL WATERMAIN FITTINGS SHALL HAVE MECHANICAL JOINTS.
23. VERTICAL AND HORIZONTAL ALIGNMENT OF WATERMAIN TO BE ACHIEVED BY DEFLECTION OF JOINTS AS PER MANUFACTURER'S SPECIFICATIONS. DEFLECTION IN THE BARREL IS NOT PERMITTED.
24. TRACER WIRE IS TO BE INSTALLED ON ALL NEW INSTALLATIONS OF PVC WATERMAIN PIPE FOR LOCATING PURPOSES. A SOLID 10 GAUGE T.W.U. COPPER WIRE IS TO BE INSTALLED ALONG THE PIPE, STRAPPED TO THE PIPE AT 6 METRE INTERVALS. JOINTS IN THE WIRE BETWEEN VALVES ARE NOT PERMITTED.
25. THE INSPECTOR MAY TEST THE TRACING WIRE FOR CONDUCTIVITY. IF THE TRACING WIRE IS NOT CONTINUOUS FROM VALVE TO VALVE, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE WIRE.
26. ALL WATER CUSTOMERS SUPPLIED BY A WATERMAIN TO BE SHUT DOWN SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS IN ADVANCE OF THE SHUT DOWN AS PER REGION OF HALTON SPECIFICATIONS. NOTIFICATION SHALL TAKE PLACE UNDER THE ENGINEER'S DIRECTION.
27. OPERATION OF EXISTING WATERMAINS SHALL BE BY REGION OF HALTON STAFF ONLY.
28. LOCAL MUNICIPALITY TO SUPPLY WATER METER. CONTRACTOR TO INSTALL CHAMBER, METER, ALL VALVES, PIPING AND REMOTE METER READOUT AT LOCATION ON BUILDING EXTERIOR ACCEPTABLE TO CITY OF BURLINGTON AND REGION OF HALTON.
29. ALL WATERMAIN TO BE PRESSURE TESTED IN ACCORDANCE WITH OPSS 441. DISINFECT ALL WATERMAIN IN ACCORDANCE WITH AWWA C651-99 INCLUDING CHLORINATION, BACKFLOW PREVENTOR AND 24 HOUR DUPLICATE SAMPLING. ALL TESTING AND DISINFECTION TO BE COMPLETED UNDER THE SUPERVISION OF THE ENGINEER.



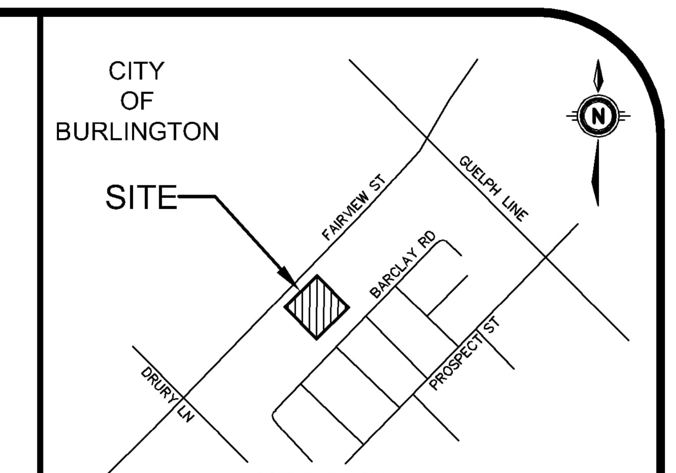
NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2018	Rev 4
CAST IRON, SQUARE FRAME WITH CIRCULAR WATERTIGHT COVER FOR MAINTENANCE HOLES	OPSD 401.030	



SEWER PIPE INSULATION DETAIL

FOR SEWER PIPES HAVING LESS THAN 1200mm COVER AND MINIMUM 615mm COVER
N.T.S.



KEY PLAN N.T.S.

GEODETIC BM ELEV. = 93.477m

ALL ELEVATIONS SHOWN HEREON ARE GEODETIC AND WERE DERIVED FROM THE CITY OF BURLINGTON BENCHMARK N° 1045 HAVING AN ELEVATION OF 93.477 m. (CGVD28, 1978 RE-ADJUSTMENT)

SITE BENCHMARK ELEV. = N/A m

NOTE TO CONTRACTOR :

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ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

NOTE:

1. **PROPERTY-LINE IS APPROXIMATE ONLY.**
2. **EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY CUNNINGHAM McCONNELL LIMITED DATED DECEMBER 30, 2022.**
3. **INVERTS DENOTED WITH "±" ARE TAKEN FROM AS-RECORDED PLAN AND PROFILE DRAWINGS COMPLETED BY CITY OF BURLINGTON AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.**
4. **THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C1.2, C1.3, C2.1, C2.2, C2.3, C2.4, C2.5, AND THE SWM REPORT.**

No.	REVISION	BY	YYYY-MM-DD
8.			
7.			
6.			
5.			
4.			
3.			
2.	ISSUED FOR OPA/ZBA	JRA	2024-03-15
1.	ISSUED FOR SPA	JRA	2023-05-25

MTE
Engineers, Scientists, Surveyors
905-639-2552

LICENSED PROFESSIONAL ENGINEER
Digital Original
2024-03-15
J. R. ASZTALOS
100500835
38934-200
PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT

LOCKWOOD LEASING

1411 SOUTH SERVICE ROAD WEST OAKVILLE

PROJECT

2362 FAIRVIEW STREET NEW MULTI STOREY MIXED-USE BUILDING

2362 FAIRVIEW STREET BURLINGTON

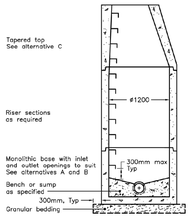
DRAWING

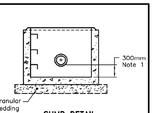
GENERAL NOTES & DETAILS PLAN

Project Manager J.ASZTALOS	Project No. **38934-200**
Design By JRA	Checked By KRR
Drawn By CKM	Checked By JRA
Surveyed By OTHERS	Drawing No. **C2.4**
Date Apr.18/23	
Scale AS NOTED	Sheet 7 of 8

P:\P\38934\200\38934-200-C2

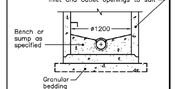
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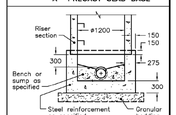


SUMP DETAIL

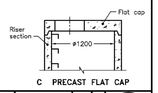
ALTERNATIVES



A PRECAST SLAB BASE



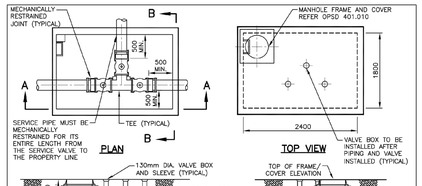
B CAST-IN-PLACE BASE



C PRECAST FLAT CAP

NOTES:
1 The sump is measured from the lowest invert.
A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
B Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032.
C Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020.
D Pipe support according to OPSD 708.020.
E For benching and pipe opening details, see OPSD 701.021.
F For adjustment unit and frame installation, see OPSD 704.010.
G All dimensions are nominal.
H All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 5
PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER		OPSD 701.010



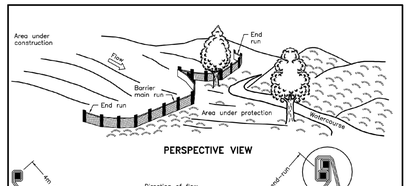
NOTES:
1. REINF. CONC. PRECAST CHAMBER OR MONOLITHIC CHAMBER TO MEET CURRENT OPSD.
2. STEPS: 1ST STEP TO BE 450mm BELOW FINISHED ROAD GRADE, LAST STEP TO BE 300mm ABOVE BASE.
3. VALVES TO BE FLANGED.
4. THE TOP OF THE ROOF SLAB OF VALVE CHAMBERS SHALL BE MIN. 600mm BELOW FINISHED GRADE. AN ENGINEERED COLLAR MAY BE REQUIRED TO MAKE UP FOR ELEVATION DIFFERENCES.
5. ADJUSTMENT UNITS TO BE MIN. 150mm TO MAX. 300mm.
6. PARGING MIX ON ALL BRICK WORK TO BE 1:3 MORTAR MIX AND BE APPLIED 15 mm THICK.
7. ALL JOINTS IN BRICK WORK SHALL BE FULL MORTAR JOINTS, COMPLETELY FILLED WITH 1:3 MORTAR MIX AND POINTED BEFORE BACKFILLING.
8. JOINT FILLER RUBBER GASKET BETWEEN ALL PRECAST SECTIONS (TYPICAL).
9. RESTRAINING RODS AND T-HEAD BOLT WITH NUT ARE CORROSION-RESISTANT, FLUOROPOLYMER COATED, HIGH-STRENGTH LOW-ALLOY STEEL THAT CONFORMS TO ANSI/AWWA C111/A21.11.
10. FOR 350mm AND 400mm TEES, THE MAIN LINE CAN BE OFFSET FROM THE CENTRELINE OF CHAMBER UP TO 200mm AS NEEDED.
11. PETROLATUM COATING ON ALL FITTINGS AND BOLTS
12. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
13. WATERPROOF MEMBRANE SHALL BE SELF-ADHESIVE, RUBBERIZED ROLL-TYPE BITUMINOUS WATERPROOFING MEMBRANE AND PRIMER. WATERPROOFING SHALL EXTEND COMPLETELY AROUND ALL JOINTS WITH A MINIMUM 300mm WIDE STRIP CENTERED ON THE JOINT, INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

THE REGIONAL MUNICIPALITY OF HALTON
PUBLIC WORKS DEPARTMENT

Date: July 2019 | Rev. 0 | NTS

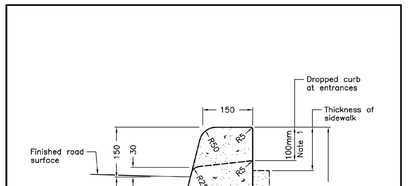
PRECAST VALVE CHAMBERS FOR MAXIMUM 3 VALVES 150mm TO 300mm

REGION STANDARD | RH 402.080



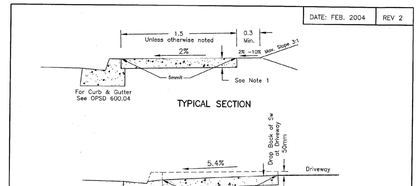
NOTE:
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ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 2
HEAVY-DUTY SILT FENCE BARRIER		OPSD 219.130



NOTES:
1 When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
2 For slipforming procedure a 5% batter is acceptable.
A Treatment at entrances shall be according to OPSD 351.010.
B Outlet treatment shall be according to the OPSD 610 Series.
C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 2
CONCRETE BARRIER CURB		OPSD 600.110



NOTES:
1) SIDEWALK THICKNESS – 125mm
RESIDENTIAL DRIVEWAYS and PEDESTRIAN RAMPS – 150mm
COMMERCIAL and INDUSTRIAL DRIVEWAYS – 200mm
2) EXPANSION JOINTS TO BE 30.0m c/c MAX.
3) CONTRACTION JOINTS TO BE 2.5m c/c MAX.
4) SINGLE DRIVEWAY – 3.0m MIN. WIDTH FLARING TO 3.5m
DOUBLE DRIVEWAY – 5.5m MIN. WIDTH FLARING TO 6.0m
5) JOINTS IN S/W TO LINE UP WITH JOINTS IN CURB & GUTTER
6) ALL JOINTS TO BE PERPENDICULAR TO THE LINE OF THE SIDEWALK.
7) FOR SIDEWALK RAMP DETAIL REFER TO DRAWING S-123
8) WHERE SIDEWALKS ARE NARROWED TO LESS THAN 1.5m WIDTH, THE BACK OF THE SIDEWALK IS TO BE DROPPED AS DIRECTED BY THE ENGINEER

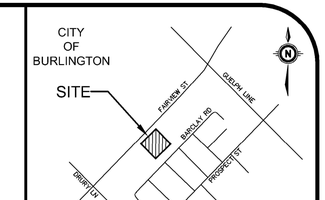
DIMENSIONS IN m EXCEPT AS NOTED

APPROVED
DIRECTOR OF ENGINEERING
DATE: Oct. 14/04

CITY OF BURLINGTON
ENGINEERING DEPARTMENT

SIDEWALK ADJACENT TO CURB and GUTTER (STANDARD HEIGHT CURB)

METRIC | SCALE: N.T.S. | DWG. NO. S-125 A



GEODETIC BM ELEV. = 93.477m
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SITE BENCHMARK ELEV. = N/A m

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2. **EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY CUNNINGHAM McCONNELL LIMITED DATED DECEMBER 30, 2022.**
3. **INVERTS DENOTED WITH "±" ARE TAKEN FROM AS-RECORDED PLAN AND PROFILE DRAWINGS COMPLETED BY CITY OF BURLINGTON AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.**
4. **THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C1.2, C1.3, C2.1, C2.2, C2.3, C2.4, C2.5, AND THE SWM REPORT.**

No.	REVISION	BY	YYYY-MM-DD
8.			
7.			
6.			
5.			
4.			
3.			
2.	ISSUED FOR DPA/ZBA	JRA	2024-03-15
1.	ISSUED FOR SPA	JRA	2023-05-25

MTE
Engineers, Scientists, Surveyors
905-639-2552

LICENSED PROFESSIONAL ENGINEER
Digital Original 2024-03-15
J R ASZTALOS
100500835
PROVINCE OF ONTARIO

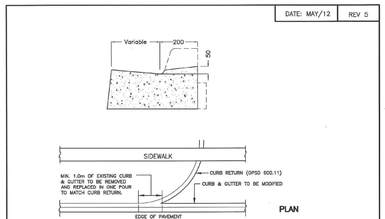
NOT FOR CONSTRUCTION

CLIENT
LOCKWOOD LEASING
1411 SOUTH SERVICE ROAD WEST OAKVILLE

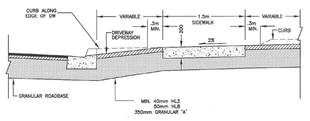
PROJECT
2362 FAIRVIEW STREET NEW MULTI STOREY MIXED-USE BUILDING
2362 FAIRVIEW STREET BURLINGTON

DRAWING
DETAILS PLAN

Project Manager J.ASZTALOS	Project No. 38934-200
Design By JRA	Checked By KRR
Drawn By CKM	Checked By JRA
Surveyed By OTHERS	Drawing No. C2.5
Date Apr.18/23	
Scale AS NOTED	Sheet 8 of 8



CURB RETURN TIE-IN



SIDEWALK TREATMENT ACROSS DRIVEWAY

NOTES:
1) CONCRETE AS PER C-2(ITEM 11-CONCRETE) CITY OF BURLINGTON AMENDMENTS TO OPSS

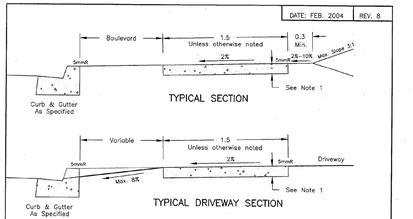
DIMENSIONS IN mm EXCEPT AS NOTED

APPROVED
DIRECTOR OF ENGINEERING
DATE: June 5/12

CITY OF BURLINGTON
ENGINEERING DEPARTMENT

COMMERCIAL, INDUSTRIAL, MULTI-RESIDENTIAL ENTRANCES

METRIC | SCALE: N.T.S. | DWG. NO. S-112



NOTES:
1) SIDEWALK THICKNESS – 125mm
RESIDENTIAL DRIVEWAYS and PEDESTRIAN RAMPS – 150mm
COMMERCIAL and INDUSTRIAL DRIVEWAYS – 200mm
2) EXPANSION JOINTS TO BE 30.0m c/c MAX.
3) CONTRACTION JOINTS TO BE 2.5m c/c MAX.
4) SINGLE DRIVEWAY – 3.0m MIN. WIDTH FLARING TO 3.5m
DOUBLE DRIVEWAY – 5.5m MIN. WIDTH FLARING TO 6.0m
5) ALL JOINTS TO BE PERPENDICULAR TO THE LINE OF THE SIDEWALK
6) FOR SIDEWALK RAMP DETAIL REFER TO DRAWING S-123

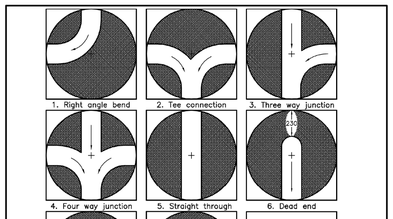
DIMENSIONS IN m EXCEPT AS NOTED

APPROVED
DIRECTOR OF ENGINEERING
DATE: Oct. 13/04

CITY OF BURLINGTON
ENGINEERING DEPARTMENT

SIDEWALK WITH BOULEVARD

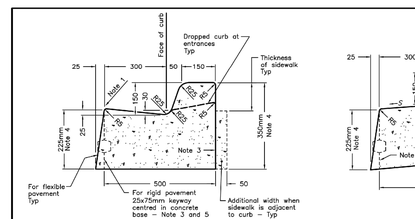
METRIC | SCALE: N.T.S. | DWG. NO. S-121



MAXIMUM SIZE HOLE IN THE WALL IN PRECAST RISER SECTIONS					
Maintenance Hole Diameter	No. 1-4	No. 5 and 6	No. 8	No. 7	
				Inlet Hole	Outlet Hole
1200	700	860	780	700	860
1500	860	1220	960	860	1170
1800	1220	1485	1220	1220	1485
2400	1485	2020	1760	1485	2020
3000	1930	2450	2300	1930	2450
3600	2470	3085	2730	2470	3085

NOTES:
1 Slopes shall be maintained from the outlet hole opening for top of benching.
A Concrete for benching shall be 30MPa.
B When benching is hand-finished, it shall be given wood float finish, channel shall be given steel trowel finish.
C Benching slope and height shall be as specified.
D When specified, maintenance holes that are 1200mm in diameter with a uniform channel for 200 or 250mm pipe may be preбenched at the manufacturer with standardized benching slope and channel orientation.
E All dimensions are nominal.
F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 4
MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES		OPSD 701.021



LEGEND:
S = Rate of pavement superelevation in percent, %.

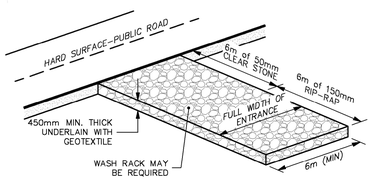
NOTES:
1 Flexible and composite pavement shall be placed 5mm above the adjacent edge of gutter.
2 When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
3 For slipforming procedure a 5% batter is acceptable.
4 For composite pavement the depth of concrete curb shall be adjusted to depth of concrete pavement.
5 When tie bars are specified, refer to OPSD 552.010 and 552.020 for details.
A Treatment at entrances shall be according to OPSD 351.010.
B Outlet treatment shall be according to the OPSD 610 Series.
C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 2
CONCRETE BARRIER CURB WITH STANDARD GUTTER		OPSD 600.040

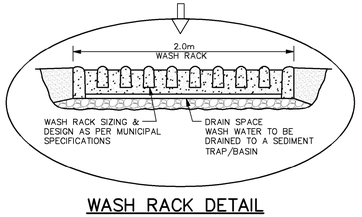
PAVEMENT STRUCTURE

MATERIAL		RECOMMENDED THICKNESS	
		LIGHT TRAFFIC	HEAVY TRAFFIC
ASPHALTIC CONCRETE	HL3	40mm	40mm
	HL8	60mm	80mm
GRANULAR 'A' BASE		150mm	150mm
GRANULAR 'B' TYPE II SUBBASE		300mm	350mm

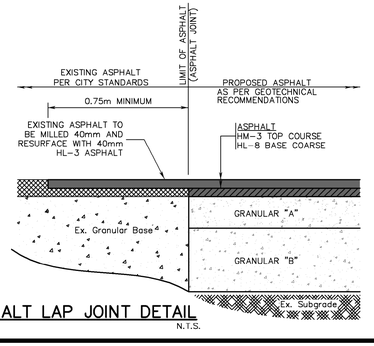
BASED ON GEOTECHNICAL INVESTIGATION PREPARED BY: TERRAPROBE CONSULTING GEOTECHNICAL & ENVIRONMENTAL ENGINEERING DATED JANUARY 24, 2018.



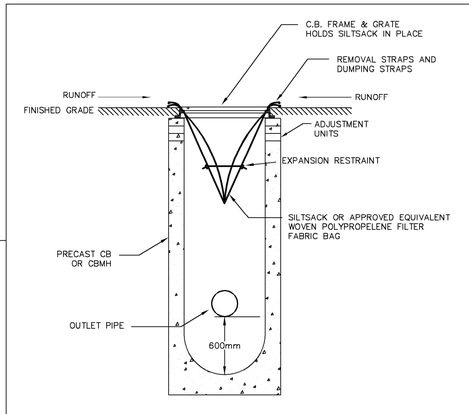
CONSTRUCTION ACCESS DETAIL
N.T.S.



WASH RACK DETAIL
N.T.S.



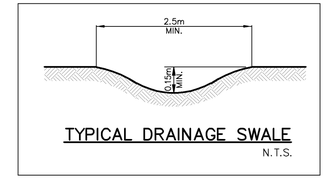
ASPHALT LAP JOINT DETAIL
N.T.S.



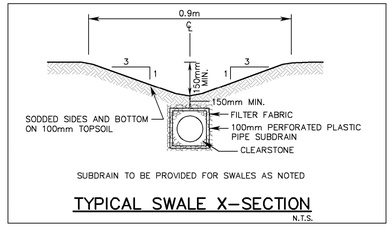
MAINTENANCE SCHEDULE

-INSPECT AFTER EVERY MAJOR RAIN EVENT.
-INSPECT EVERY 3 WEEKS MINIMUM.
-SILTSACK SHOULD NEVER BE OVER HALF FULL.
-FULL BAG CAN BE REMOVED, DUMPED, CLEANED AND REUSED (TO REMOVE INSERT 25mm REBAR INTO REMOVAL FLAP POCKETS) (TO DUMP INSERT 25mm REBAR INTO BOTH DUMPING STRAPS)

TEMPORARY SILTSACK SILTATION CONTROL IN CB
N.T.S.



TYPICAL DRAINAGE SWALE
N.T.S.



TYPICAL SWALE X-SECTION
N.T.S.

March 15, 2024 – 11:28:04 AM – Plotted By: Joseph Asztalos