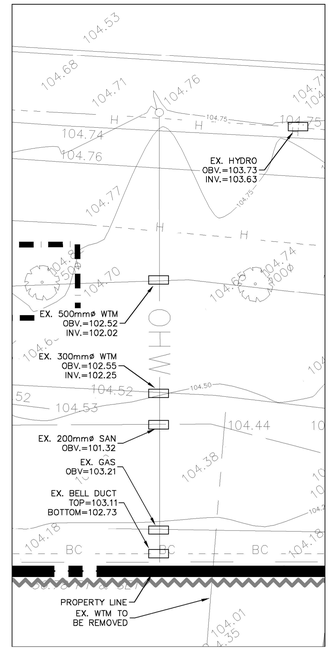
46037-100-C1.1

MTE FILE No:

EXISTING CONDITIONS AND REMOVALS PLAN

P:\PJ\46037\100\46037-100-C1





DAYLIGHTED PIPES BLOW-UP

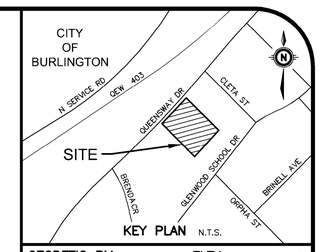
1:100 SCALE

LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING SPOT ELEVATIONS/CONTOURS
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING CURB
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING EMBANKMENT (SLOPE AS NOTED)
- EXISTING BOLLARD
- EXISTING MAN DOOR
- EXISTING OVERHEAD UTILITY LINE
- EXISTING TREES
- EXISTING UNDERGROUND HYDRO LINE

LEGEND OF PROPOSED FEATURES

- TREE PROTECTION FENCE (SEE DETAIL)
- SEDIMENT CONTROL FENCE (SEE DETAIL)
- REMOVALS
- ASPHALT SURFACE REMOVALS
- CONCRETE SURFACE REMOVALS



GEODETIC BM ELEV. = m

SITE BENCHMARK ELEV. = 104.825m

CITY OF BURLINGTON BENCHMARK NO. 399, BRASS PLAQUE ON A CONCRETE HEAD WALL ON THE SOUTH SIDE OF QUEENSWAY DRIVE BETWEEN NO. 2374 AND NO. 2384 QUEENSWAY. PLAQUE IS LOCATED 0.3m NORTHEASTERLY OF THE SOUTHWEST CORNER AND 0.1m BELOW THE TOP OF HEAD WALL.

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.

No.	REVISION	BY	DATE
8.			
7.			
6.			
5.			
4.			
3.			
2.	RE-ISSUED FOR ZBA	KRR	APR.19/2021
1.	ISSUED FOR ZBA	KRR	NOV.19/2019

MTE

Engineers, Scientists, Surveyors

(905) 639-2552

LICENSED PROFESSIONAL ENGINEER
K.R.RAMSEWAK
100100928
2021-04-21
PROVINCE OF ONTARIO

CLIENT

WAGGY INC.

69 MARKLAND STREET HAMILTON, ON

PROJECT

2294-2300 QUEENSWAY DRIVE
NEW TOWNHOUSE DEVELOPMENT

2294-2300 QUEENSWAY DRIVE BURLINGTON, ON

DRAWING

EXISTING CONDITIONS AND REMOVALS PLAN

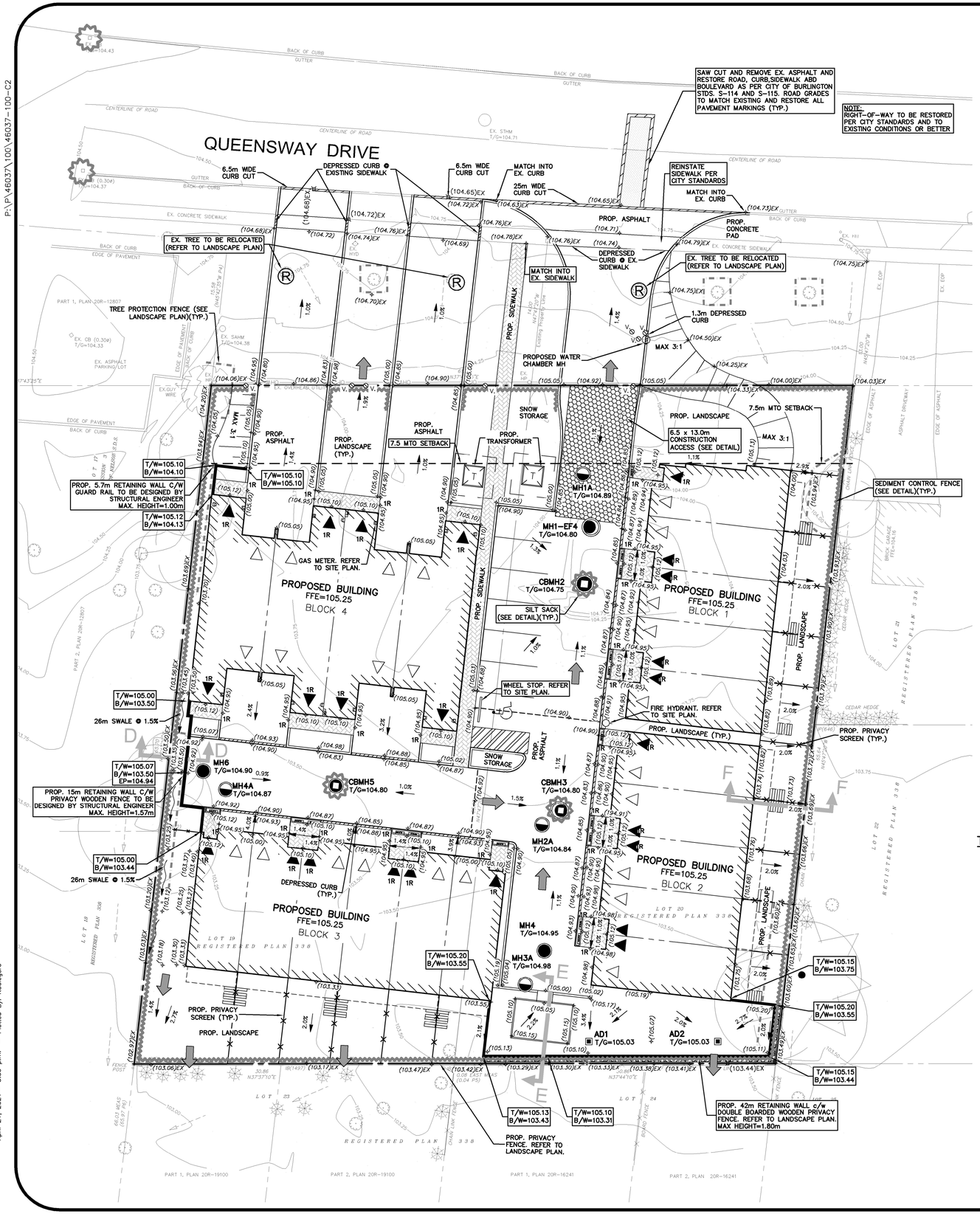
Project Manager: K. RAMSEWAK	Project No.: 46037-100
Design By: SAH/RDZ	Checked By: KRR
Drawn By: SDU	Checked By: KRR
Surveyed By: OTHERS	Drawing No.: C1.1
Date: May.29/19	
Scale: 1:200	Sheet 1 of 4

April 21, 2021 - 4:02 p.m. - Plotted By: RCalogero

MTE FILE No: 46037-100-C2.1

PRELIMINARY SITE GRADING AND SEDIMENT AND EROSION CONTROL PLAN

P:\P\46037\100\46037-100-C2

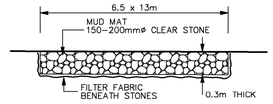


LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING SPOT ELEVATIONS/CONTOURS
- EXISTING CURB
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING EMBANKMENT (SLOPE AS NOTED)
- EXISTING OVERHEAD UTILITY LINE
- EXISTING TREES
- EXISTING DRAINAGE DIRECTIONS

DESIGNATED ACCESS FOR ALL CONSTRUCTION TRAFFIC.

INSTALL 'MUD MAT', AS PER DETAIL BELOW, PRIOR TO ANY OTHER CONSTRUCTION. MAT TO BE MAINTAINED IN GOOD WORKING ORDER UNTIL GRADING WORKS ARE COMPLETED AND GRANULAR "A" & "B" HAVE BEEN PLACED.

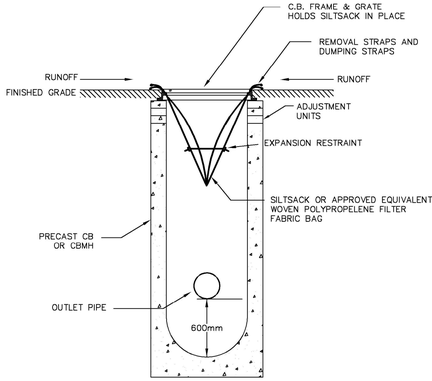


CONSTRUCTION ACCESS DETAIL

N.T.S.

LEGEND OF PROPOSED FEATURES

- PROPOSED SPOT ELEVATIONS (326.00) / T/G=326.00 / FFE=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 (RIDGE)
- EMBANKMENT (SLOPE AS NOTED) (TOP) 3:1 (BOTTOM)
- PROPOSED BUILDING
- MAN DOOR/OVERHEAD DOOR
- FENCE
- CONCRETE CURB (DROP CURB)
- RETAINING WALL
  T/W =TOP OF WALL
  B/W =BOTTOM OF WALL
  EP =EDGE OF PAVEMENT
- OVERLAND FLOW ROUTE (MAJOR STORM)
- SEDIMENT CONTROL FENCE (SEE DETAIL)
- SILT SACK (SEE DETAIL)
- CONSTRUCTION ACCESS (SEE DETAIL)
- TREE PROTECTION FENCE (SEE LANDSCAPE PLAN)
- RELOCATE
- SAW CUT PER REGEON OF HALTON STD. S-114 AND S-115

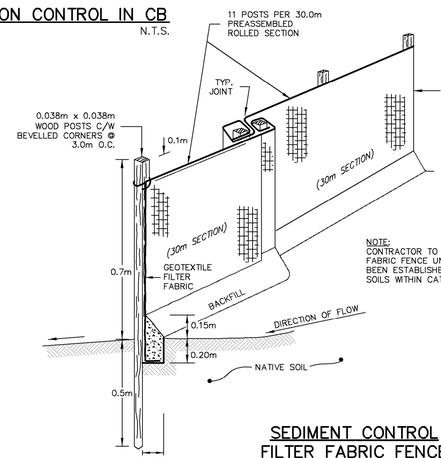


MAINTENANCE SCHEDULE

-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

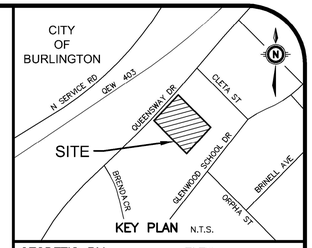
N.T.S.



NOTE:
CONTRACTOR TO MAINTAIN FILTER FABRIC FENCE UNTIL VEGETATION HAS BEEN ESTABLISHED ON ALL EXPOSED SOILS WITHIN CATCHMENT AREA.

SEDIMENT CONTROL FILTER FABRIC FENCE

N.T.S.



GEODETIC BM ELEV. = m

SITE BENCHMARK ELEV. = 104.825m

CITY OF BURLINGTON BENCHMARK NO. 399, BRASS PLAQUE ON A CONCRETE HEAD WALL ON THE SOUTH SIDE OF QUEENSWAY DRIVE BETWEEN NO. 2374 AND NO. 2384 QUEENSWAY. PLAQUE IS LOCATED 0.3m NORTHEASTERLY OF THE SOUTHWEST CORNER AND 0.1m BELOW THE TOP OF HEAD WALL.

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.

No.	REVISION	BY	DATE
8.			
7.			
6.			
5.			
4.			
3.			
2.	RE-ISSUED FOR ZBA	KRR	APR. 19/21
1.	ISSUED FOR ZBA	KRR	SEPT. 30/19

MTE
Engineers, Scientists, Surveyors
(905) 639-2552

LICENSED PROFESSIONAL ENGINEER K.R.RAMSEWAK 100100928 2021-04-21 PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT

WAGGY INC.

69 MARKLAND STREET HAMILTON, ON

PROJECT

2294-2300 QUEENSWAY DRIVE NEW TOWNHOUSE DEVELOPMENT

2294-2300 QUEENSWAY DRIVE BURLINGTON, ON

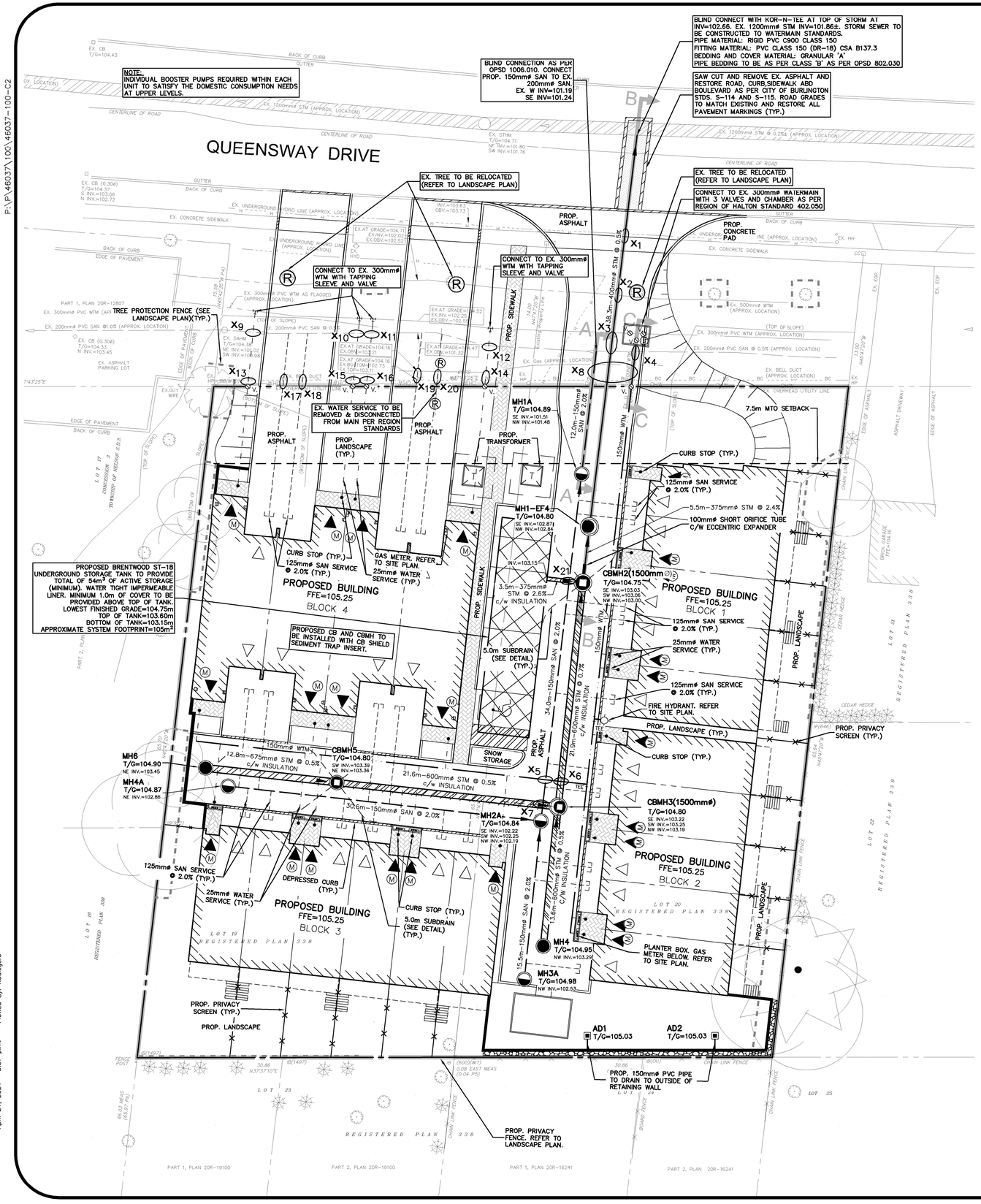
DRAWING

PRELIMINARY SITE GRADING AND SEDIMENT AND EROSION CONTROL PLAN

Project Manager: K. RAMSEWAK	Project No.: 46037-100
Design By: AXG/RDZ	Checked By: KRR
Drawn By: SDU/GXS	Checked By: KRR
Surveyed By: OTHERS	Drawing No.: C2.1
Date: Jul.12/19	
Scale: 1:200	Sheet 2 of 4

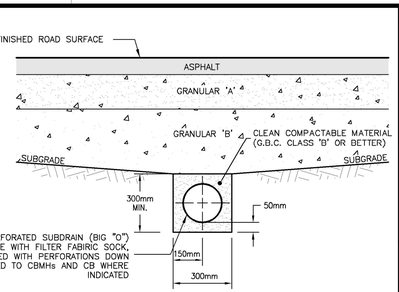
April 21, 2021 - 3:59 p.m. - Plotted By: RCalogero

46037-100-C2.2
SITE SERVICING PLAN
MTE FILE No:
P:\P\46037\100\46037-100-C2



LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING SANITARY SEWER (Ex. 300mmø SAN, Ex. MH)
- EXISTING WATERMAIN (Ex. 200mmø WTM, Ex. HYD. SET)
- EXISTING STORM SEWER (Ex. 375mmø STM, Ex. MH)
- EXISTING CURB (Ex. Drop Curb)
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING EMBANKMENT (SLOPE AS NOTED) ((TOP), (BOTTOM))
- EXISTING UNDERGROUND HYDRO LINE (H H H)
- EXISTING TREES



SUBDRAIN DETAIL
N.T.S.

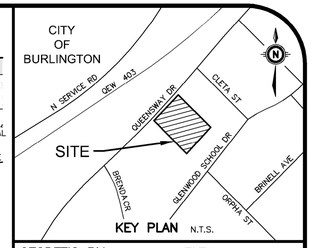
SEWER CROSSING CHART

NOTE:
1) Maintain minimum 0.15m vertical clearance between all watermains above sewers and 0.5m vertical clearance below sewers. Where watermain is deflected, ensure 1.7m 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) Existing elevations of watermain, sanitary sewer, gas line, hydro, and bell duct referenced from locates survey completed by A.J. Clarke & Associates dated September 18, 2020.

CROSSING #	SEWER TYPE	SEWER SIZE (mmø)	CROSSING ELEVATIONS	NOTES
X1	STM	400	OBV=103.08	STORM SEWER TO BE CONSTRUCTED TO WATERMAIN STANDARDS. EX. FIBER OPTICS INVERT PROVIDED BY A.J. CLARK ON SEPTEMBER 18'2020.
	EX. HYDRO	100	BOT=103.63±	
	EX. FIBER OPTICS	100	INV=103.41	
X2	EX. WTM	500	OBV=102.52±	STORM SEWER TO BE CONSTRUCTED TO WATERMAIN STANDARDS
	STM	400	INV=102.74	
X3	EX. SAN	200	OBV=101.41±	STORM SEWER TO BE CONSTRUCTED TO WATERMAIN STANDARDS
	EX. WTM	300	OBV=102.55±	
	STM	400	INV=102.78	
X4	EX. SAN	200	OBV=101.41±	
	WTM	150	INV=102.33±	
X5	WTM	150	OBV=101.61±	DEFLECT WTM BELOW SAN SEWER
	SAN	150	INV=102.11	
X6	WTM	150	OBV=101.61±	DEFLECT WTM BELOW STM SEWER
	STM	600	INV=103.16	
X7	SAN	150	OBV=102.30	
	STM	600	INV=103.26	
X8	SAN	150	OBV=101.46	EX. BELL CONDUIT AND GAS TO BE RAISED TO PROVIDE MIN 0.3m VERTICAL SEPARATION WITH PROPOSED STORM SEWER
	STM	400	OBV=103.16	
	WTM	150	OBV=102.45±	
	EX. BELL	–	EX. INV=102.73±	
			PROP. INV=103.50	
	EX. GAS	–	EX. OBV=103.21±	
			PROP. INV=103.46	
X9	EX. SAN	200	OBV=101.23±	
	WTM	25	INV=102.53±	
X10	EX. SAN	200	OBV=101.28±	
	WTM	25	INV=102.51±	
X11	EX. SAN	200	OBV=101.29±	
	WTM	25	INV=102.55±	
X12	EX. SAN	200	OBV=101.35±	
	WTM	25	INV=102.37±	
X13	WTM	25	OBV=102.28±	
	EX. BELL	–	EX. INV=102.73±	
X14	WTM	25	OBV=102.43±	
	EX. BELL	–	EX. INV=102.73±	
	EX. GAS	–	EX. OBV=103.21±	
			PROP. INV=103.41	
X15	WTM	25	OBV=102.43±	
	EX. BELL	–	EX. INV=102.73±	
X16	WTM	25	OBV=102.43±	
	EX. BELL	–	EX. INV=102.73±	
X17	SAN	125	OBV=101.06	
	EX. BELL	–	EX. INV=102.73±	
X18	SAN	125	OBV=101.07	
	EX. BELL	–	EX. INV=102.73±	
X19	SAN	125	OBV=101.12	
	EX. BELL	–	EX. INV=102.73	
	Ex. GAS	**–**	**EX. OBV=103.21**	
X20	SAN	125	OBV=101.95	
	EX. BELL	–	EX. INV=102.73	
	EX. GAS	–	EX. OBV=103.21	
X21	**STM**	**375**	**INV=103.09**	
	SAN	**150**	**OBV=101.87**	

LEGEND OF PROPOSED FEATURES

- EMBANKMENT (SLOPE AS NOTED) ((TOP), 3:1, (BOTTOM))
- SANITARY SEWER (MH, 14.6m-200mmø SAN @ 1.5%)
- STORM SEWER (MH, 21.3m-300mmø STM @ 1.3%)
- WATERMAIN (200mmø WTM, HYD. SET, V., TEE)
- SEWER CROSSING (REFER TO CROSSING CHART) (X1)
- PROPOSED BUILDING
- MAN DOOR/OVERHEAD DOOR
- FENCE
- CONCRETE CURB ((DROP CURB))
- RETAINING WALL
- 125mmø SANITARY SERVICE
- 25mmø WATER SERVICE
- WATER METER SERVICE (M)
- REMOVALS (X)
- TREE PROTECTION FENCE (SEE LANDSCAPE PLAN)
- SHALLOW PIPE INSULATION (SEE DETAIL ON C2.3)
- LOCATION OF HYDRO VACUUM LOCATES. LOCATIONS AND ELEVATIONS PROVIDED BY SURVEYOR (A.J. CLARK)
- SAW CUT PER REGEON OF HALTON STD. S-114 AND S-115



GEODETIC BM ELEV. = m

SITE BENCHMARK ELEV. = 104.825m
CITY OF BURLINGTON BENCHMARK NO. 399, BRASS PLAQUE ON A CONCRETE HEAD WALL ON THE SOUTH SIDE OF QUEENSWAY DRIVE BETWEEN NO. 2374 AND NO. 2384 QUEENSWAY. PLAQUE IS LOCATED 0.3m NORTHEASTERLY OF THE SOUTHWEST CORNER AND 0.1m BELOW THE TOP OF HEAD WALL.

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.

No.	REVISION	BY	DATE
8.			
7.			
6.			
5.			
4.			
3.			
2.	RE-ISSUED FOR ZBA	KRR	APR. 19/21
1.	ISSUED FOR ZBA	KRR	SEPT. 30/19

MTE
Engineers, Scientists, Surveyors
(905) 639-2552

LICENSED PROFESSIONAL ENGINEER K.R.RAMSEWAK 100100928 2021-04-21 PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT
WAGGY INC.
69 MARKLAND STREET HAMILTON, ON

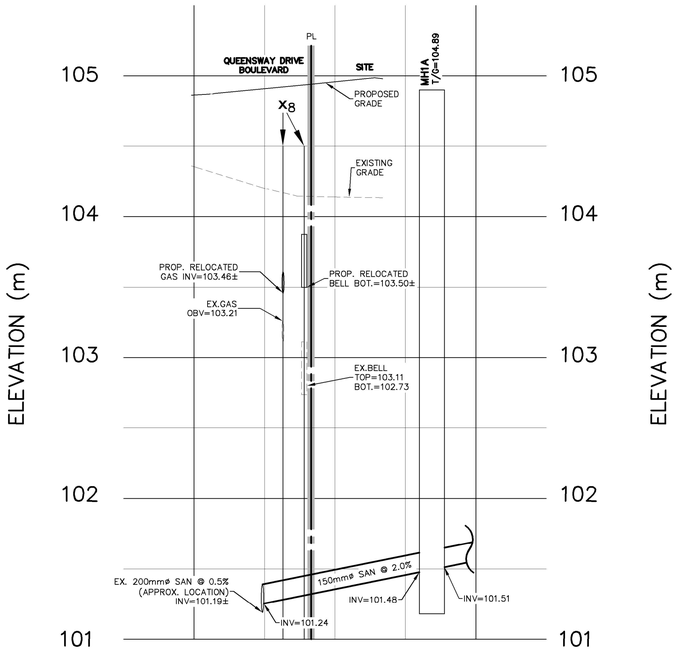
PROJECT
2294-2300 QUEENSWAY DRIVE
NEW TOWNHOUSE DEVELOPMENT
2294-2300 QUEENSWAY DRIVE BURLINGTON, ON

DRAWING
PRELIMINARY SITE SERVICING PLAN

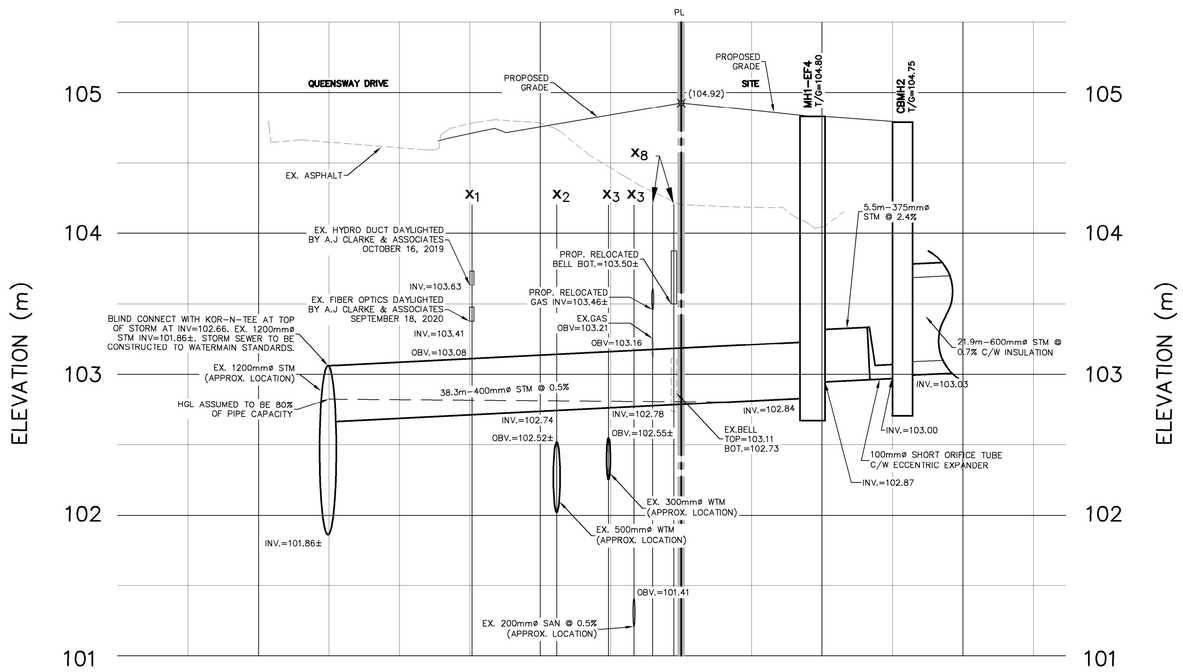
Project Manager	K. RAMSEWAK	Project No.	46037-100
Design By	SAH/RDZ	Checked By	KRR
Drawn By	SDU/AXC	Checked By	KRR
Surveyed By	OTHERS	Drawing No.	C2.2
Date	Jul.12/19		
Scale	1:200	Sheet 3 of 4	

April 21, 2021 – 3:57 p.m. – Plotted By: RCalogero

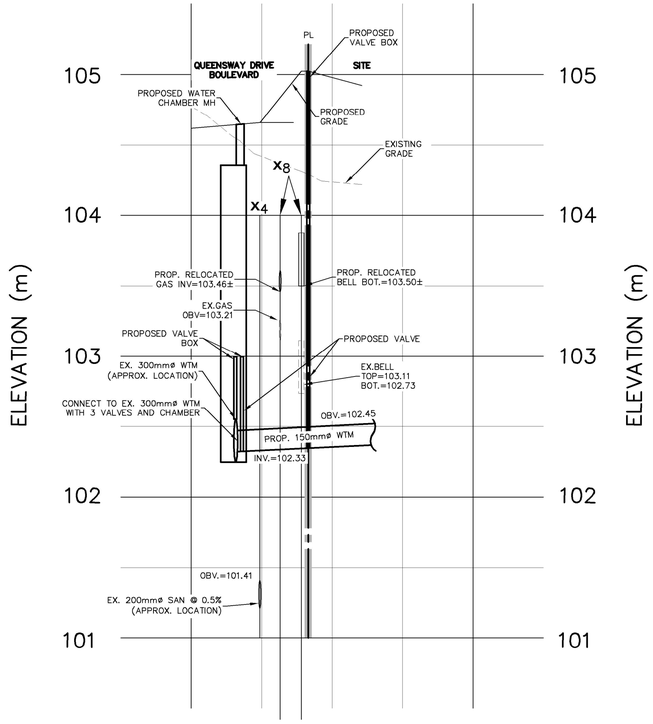
MTE FILE No: 46037-100-C2.3
PRELIMINARY CROSS SECTIONS PLAN
P:\P\46037\100\46037-100-C2



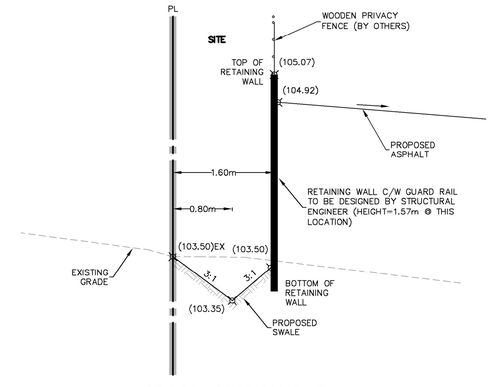
CROSS-SECTION A-A (SANITARY CONNECTION)
1:200H/1:20V



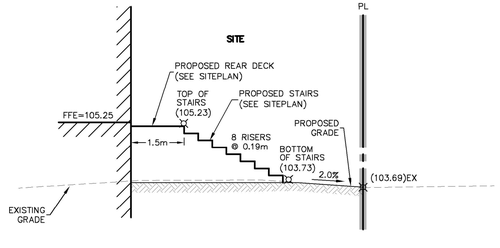
CROSS-SECTION B-B (STORM CONNECTION)
1:200H/1:20V



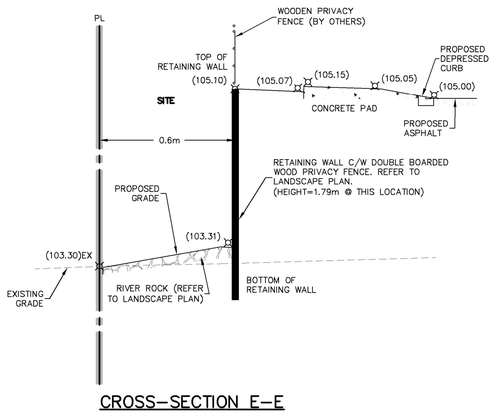
CROSS-SECTION C-C (WATERMAIN CONNECTION)
1:200H/1:20V



CROSS-SECTION D-D
N.T.S.



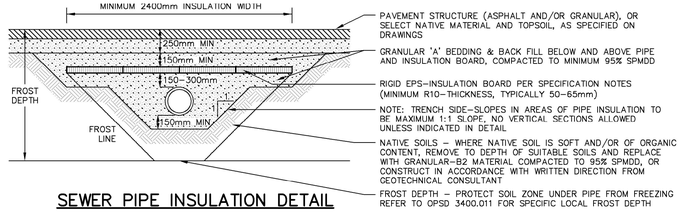
CROSS-SECTION F-F
N.T.S.



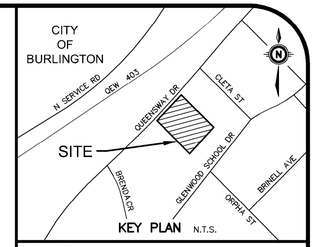
CROSS-SECTION E-E
N.T.S.

NOTE:

ELEVATION INFORMATION OF EXISTING UTILITY CROSSINGS (500mmø WTM, 300mmø WTM, 200mmø SAN, HYDRO, GAS AND BELL) OBTAINED FROM DAYLIGHTING OPERATIONS PERFORMED BY A.J. CLARKE AND ASSOCIATES LTD. DATED JULY 12 AND OCTOBER 16, 2019.



SEWER PIPE INSULATION DETAIL
FOR SEWER PIPES HAVING LESS THAN 1400mm COVER AND MINIMUM 615mm COVER
N.T.S.



GEODETIC BM ELEV. = m

SITE BENCHMARK ELEV. = 104.825m
CITY OF BURLINGTON BENCHMARK NO. 399, BRASS PLAQUE ON A CONCRETE HEAD WALL ON THE SOUTH SIDE OF QUEENSWAY DRIVE BETWEEN NO. 2374 AND NO. 2384 QUEENSWAY. PLAQUE IS LOCATED 0.3m NORTHEASTERLY OF THE SOUTHWEST CORNER AND 0.1m BELOW THE TOP OF HEAD WALL.

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.

No.	REVISION	BY	DATE
8.			
7.			
6.			
5.			
4.			
3.			
2.	RE-ISSUED FOR ZBA	KRR	APR. 19/21
1.	ISSUED FOR ZBA	KRR	SEPT. 30/19

MTE
Engineers, Scientists, Surveyors
(905) 639-2552

LICENSED PROFESSIONAL ENGINEER K.R.RAMSEWAK 100100928 2021-04-21 PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT
WAGGY INC.
69 MARKLAND STREET HAMILTON, ON

PROJECT
2294-2300 QUEENSWAY DRIVE NEW TOWNHOUSE DEVELOPMENT
2294-2300 QUEENSWAY DRIVE BURLINGTON, ON

DRAWING
PRELIMINARY CROSS SECTIONS PLAN

Project Manager K. RAMSEWAK	Project No. 46037-100
Design By RDZ	Checked By KRR
Drawn By GXS/EXK	Checked By KRR
Surveyed By OTHERS	Drawing No. C2.3
Date Jul.12/19	
Scale 1:200	Sheet 4 of 4

April 21, 2021 - 3:58 p.m. - Plotted By: RCalogero