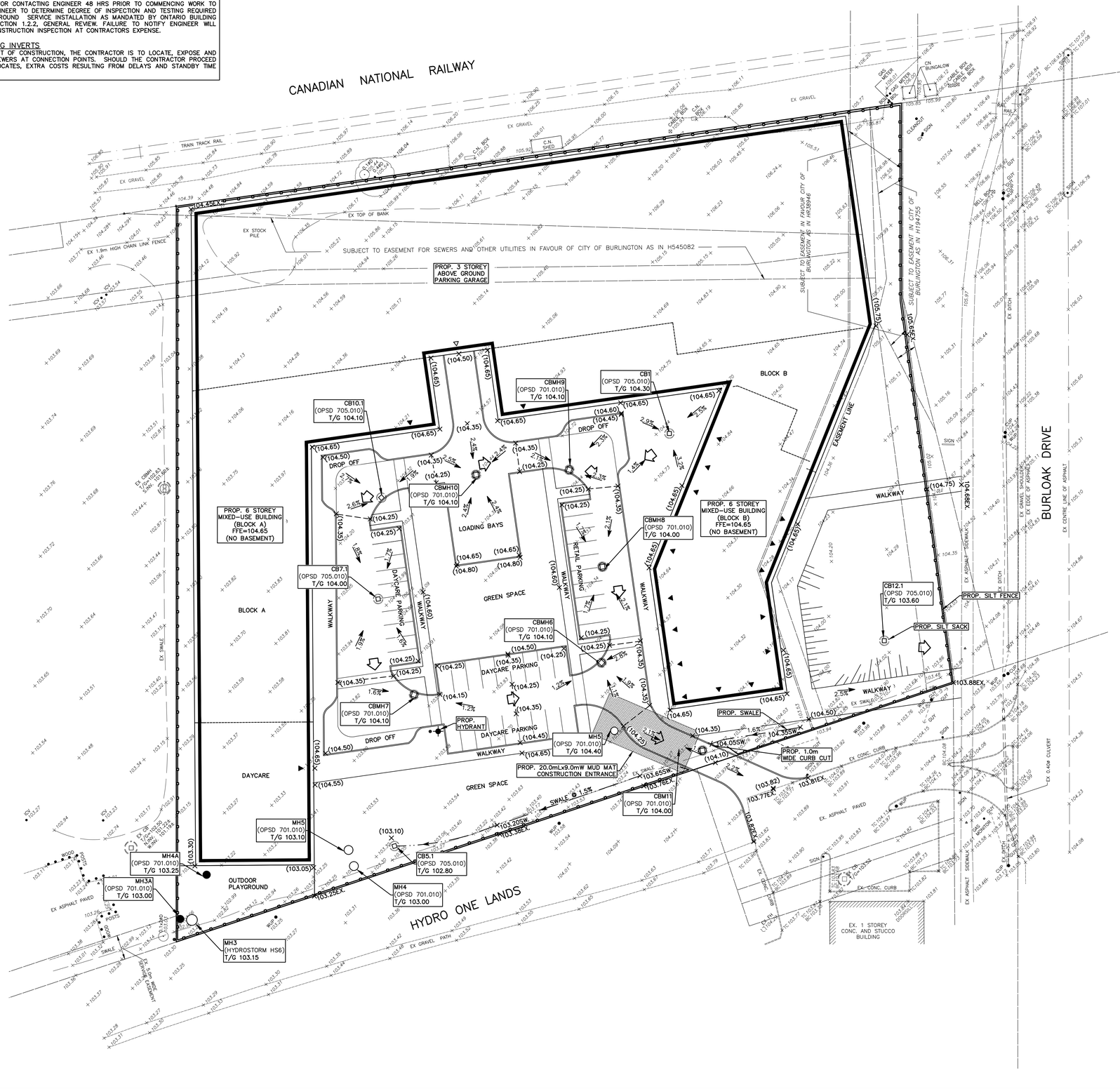
DWG No.: –C101

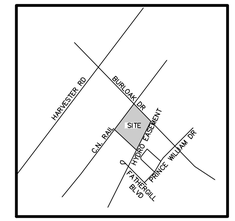
S:\24012\WORKING\CURRENT\24012–GRADING AND SERVICING.dwg

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 SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.





KEY MAP
N.T.S.

LEGEND:

100.00	EXISTING GROUND ELEVATION
×(100.00)	PROPOSED GROUND ELEVATION
×(100.00)EX	PROPOSED ELEVATION TO MATCH EXISTING
2.0%	PROPOSED DIRECTION OF SHEET FLOW
	EXISTING CATCHBASIN
	EXISTING STORM/SANITARY MANHOLE
	PROPOSED CATCHBASIN
	PROPOSED STORM/SANITARY MANHOLE
	PROPOSED CATCHBASIN MANHOLE
	PROPOSED SILTATION CONTROL FENCE
	PROPOSED CATCHBASIN SILT SACK
	EMERGENCY OVERLAND FLOW ROUTE
	PROPOSED CURB STOP/GATE VALVE
	PROPOSED DRAINAGE BREAK LINE
	EXISTING DIRECTION OF SHEET FLOW

BENCH MARK NOTE:

ELEVATIONS ARE REFERRED TO GEODETIC DATUM AND WERE DERIVED FROM CITY OF BURLINGTON BENCHMARK No. 188, HAVING A PUBLISHED ELEVATION OF 101.334 metres.

NO.	DATE	BY	REVISIONS

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.

DESIGN	AP	CHK'D	SL	DATE Apr. 25, 24
DRAWN	SD	CHK'D	SL	

SCALE 1:400 (0 5 10 25 40)

APPROVALS

STAMP

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

EMSHIH DEVELOPMENTS INC.
895 BRANT ST., UNIT 7, BURLINGTON

PROJECT NAME

800 BURLOAK DRIVE
BURLINGTON, ONTARIO

TITLE

PRELIMINARY GRADING AND SEDIMENT & EROSION CONTROL PLAN

PROJECT No.	DRAWING No.
24012	C101

DWG No.: 24012 – C102
SERVICING PLAN
S:\24012\WORKING\CURRENT\24012-GRADING AND SERVICING.dwg

NOTES TO CONTRACTOR:

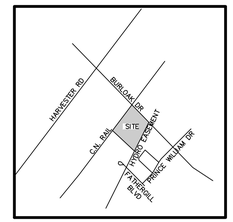
1. INSPECTION
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 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 SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

NOTE:
PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE ELEVATION OF ALL CONNECTION POINTS TO THE EXISTING SEWER AND WATERMAIN SYSTEMS AND REPORT ALL FINDINGS TO THE ENGINEER.

CANADIAN NATIONAL RAILWAY
TRAIN TRACK RAIL
EX GRAVEL
C.N. BOX
C.N. SHED
CABLE BOX
EX TOP OF BANK
EX STOCK PILE
EX 1.9m HIGH CHAIN LINK FENCE
SUBJECT TO EASEMENT FOR SEWERS AND OTHER UTILITIES IN FAVOUR OF CITY OF BURLINGTON AS IN H545082
SUBJECT TO EASEMENT IN FAVOUR CITY OF BURLINGTON AS IN H503946
SUBJECT TO EASEMENT IN CITY OF BURLINGTON AS IN H194755
PROP. 3 STOREY ABOVE GROUND PARKING GARAGE
BLOCK B
BLOCK A
DAYCARE
LIMIT OF FLOORS ABOVE
EASEMENT LINE
PROP. 6 STOREY MIXED-USE BUILDING (BLOCK A) FFE=104.65 (NO BASEMENT)
PROP. 6 STOREY MIXED-USE BUILDING (BLOCK B) FFE=104.65 (NO BASEMENT)
LOADING BAYS
GREEN SPACE
DAYCARE PARKING
RETAIL PARKING
WALKWAY
OUTDOOR PLAYGROUND
ISOLATOR ROW PLUS GREEN SPACE
CBMH9 (OPSD 701.010) T/G 104.10 S.INV. 102.18 E.INV. 102.64 W.INV. 102.24
CB1 (OPSD 705.010) T/G 104.30 W.INV. 102.85
CB10.1 (OPSD 705.010) T/G 104.10 E.INV. 102.65
CBMH10 (OPSD 701.010) T/G 104.10 E.INV. 102.43 W.INV. 102.46
CB7.1 (OPSD 705.010) T/G 104.00 S.INV. 102.55
CBMH8 (OPSD 701.010) T/G 104.00 S.INV. 101.95 N.INV. 101.98
CBMH6 (OPSD 701.010) T/G 104.10 S.INV. 101.72 N.INV. 101.75 W.INV. 101.91
CBMH7 (OPSD 701.010) T/G 104.10 E.INV. 102.29 N.INV. 102.35 W.INV. 102.32
CB12.1 (OPSD 705.010) T/G 103.60 W.INV. 102.15
MH5 (OPSD 701.010) T/G 104.40 W.INV. 101.50 E.INV. 101.60 N.INV. 101.58
CBM11 (OPSD 701.010) T/G 104.00 W.INV. 101.79 E.INV. 101.83
MH4A (OPSD 701.010) T/G 103.25 S.INV. 101.51 N.INV. 101.54
MH3A (OPSD 701.010) T/G 103.00 W.INV. 101.34 N.INV. 101.40
MH4 (OPSD 701.010) T/G 103.00 W.INV. 101.25 E.INV. 101.31
MH5 (OPSD 701.010) T/G 103.10 S.INV. 101.33 E.INV. 101.39
MH3 (HYDROSTORM HS6) T/G 103.15 W.INV. 101.05 E.INV. 101.08
C65.1 (OPSD 705.010) T/G 102.80 N.INV. 101.43
PROP. HYDRANT
PROP. 1.0m WIDE CURB CUT
PROP. 19.0m–300mmø STM @ 1.0%
PROP. 19.5m–250mmø STM @ 1.0%
PROP. 21.5–250mmø STM @ 1.0%
PROP. 9.5m–375mmø STM @ 1.0%
PROP. 19.5m–375mmø STM @ 1.0%
PROP. 38.5m–525mmø STM @ 1.0%
PROP. 14.0m–525mmø STM @ 1.0%
PROP. 32.5m–250mmø STM @ 1.0%
PROP. 18.5m–375mmø STM @ 1.0%
PROP. 10.0m–600mmø STM @ 1.0%
PROP. 14.5m–300mmø STM @ 1.0%
PROP. 20.5m–450mmø STM @ 1.0% INV. 102.53
PROP. 1.5m–375mmø STM @ 0.5%
PROP. 4.5m–250mmø ORIFICE PIPE @ 0.5%
PROP. 200mmø FIRE SERVICE
PROP. 150mmø DOMESTIC SERVICE
PROP. 2.0m–200mmø SAN 1.0% INV. 101.56
PROP. 10.5m–200mmø SAN 1.0%
PROP. 200mmø WTM
DROP OFF
INV. 101.40
STORAGE TANK STORMTECH MC-3500
(CHAMBER LENGTH =2.286m, WIDTH=1.956m, HEIGHT=1.143m)
(C/W INSPECTION PORTS & ISOLATOR ROW PLUS @ INLETS)
134 CHAMBERS TOTAL, 19 ISOLATOR ROW PLUS CHAMBERS
TANK VOLUME=627m³
TOP OF STONE=102.79
TOP OF TANK=102.49
BOTTOM OF TANK=101.35
(CONTRACTOR TO PROVIDE SHOP DWG'S)
EX. 1 STOREY CONC. AND STUCCO BUILDING
EX. ASPHALT PAVED
EX. CONC. CURB
EX. ASPHALT SIDEWALK
EX. CONC. CURB & GUTTER
EX. CENTRE LINE OF ASPHALT
EX. GRAVEL SHOULDER
EX. EDGE OF ASPHALT
EX. DITCH
EX. SWALE
EX. 0.40ø CULVERT
BURLOAK DRIVE
WALKWAY
HYDRO ONE LANDS
EX. GRAVEL PATH
EX. 200mmø STM @ 0.53%
EX. 300mmø STM @ 0.2%
EX. 825mmø STM @ 0.73%±
EX. 300mmø SAN @ 0.90%±
EX. 600mmø STM @ 0.60%
EX. 200mmø SAN @ 2.0%
EX. 200mmø WATERMAIN
EX. SAN MH T/G=103.62 NE.INV.=99.90± SW.INV.=99.90± SE.INV.=99.78±
EX. STM MH T/G=103.66 NE.INV.=100.43± SE.INV.=100.12± NW.INV.=100.40± SW.INV.=100.40±
CONNECT PROP. 1.0m–600mmø STM @ 0.6 % TO EX. 600mmø STM STUB EX. INV. 100.47
CONNECT PROP. 2.0m–200mmø SAN @ 2.0% TO EX. 200mmø SAN STUB EX. INV. 100.09
CONNECT PROP. 200mmø WTM TO EX. 200mmø WTM STUB
MH1A (OPSD 701.010) T/G MATCH EX. W.INV. 100.20 S.INV. 100.26
MH1 (OPSD 701.011) T/G MATCH EX. W.INV. 100.48 S.INV. 100.54
MH2A (OPSD 701.010) T/G MATCH EX. N.INV. 100.57 E.INV. 100.63
MH2 (OPSD 701.010) T/G MATCH EX. N.INV. 100.62 E.INV. 100.68
PROP. 15.5m–200mmø SAN 2.0%
PROP. 16.0m–450mmø STM. @ 0.5%
PROP. 70.5m–200mmø SAN @ 1.0%
PROP. 74.5m–450mmø STM @ 0.5%
PROP. 200mmø WTM
EX. SAN STUB 100.09±
EX. STM STUB 100.07±
EX. 200mmø WATERMAIN STUB
45° BEND TO 150 WATERMAIN
22.5°
FOTHERGILL BOULEVARD
WIDE DRAINAGE EASEMENT

CONSTRUCTION NORTH



KEY MAP
N.T.S.

LEGEND:

- EXISTING CATCHBASIN
- EXISTING STORM/SANITARY MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED STORM/SANITARY MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CURB STOP/GATE VALVE
- PROPOSED WATER METER
- PROPOSED BACKFLOW PREVENTOR
- PROP. HYD PROPOSED HYDRANT

BENCH MARK NOTE:

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DRAWN	SD	CHK'D	SL	

SCALE 1:400 (0 5 10 25 40)

APPROVALS

STAMP

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email: info@sla.on.ca
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT
EMSHIH DEVELOPMENTS INC.
895 BRANT ST., UNIT 7, BURLINGTON

PROJECT NAME
800 BURLOAK DRIVE
BURLINGTON, ONTARIO

TITLE
PRELIMINARY SERVICING PLAN

PROJECT No. 24012
DRAWING No. C102