NOTES:

1. GENERAL:

a) ALL DRIVEWAYS TO BE ASPHALT 50mm THICK ON 250mm GRANULAR 'A'
b) ALL GRASSED AREAS, OUTSIDE THE LIMITS OF THE SITE, DISTURBED BY THE CONTRACTOR SHALL BE REINSTATED WITH 100mm TOPSOIL AND SOD
c) THE POSITION OF EXIST. POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONSTRUCTION DRAWINGS. WHERE SHOWN THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
d) BEFORE STARTING WORK, THE CONTRACTOR SHALL CHECK WITH ALL UTILITIES INVOLVED AND INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
e) SITE SERVICING TO BE CONSTRUCTED AS PER OPSS AND OPSD STANDARDS AND SPECIFICATIONS.
f) FINISHED LOT GRADING NOT TO ADVERSELY AFFECT DRAINAGE OF EXISTING LANDS.
g) ALL UNITS REQUIRE SUMP PUMPS AND DISCHARGE OVER FOUNDATION TO STORM LATERALS.

2. STORM SYSTEM:

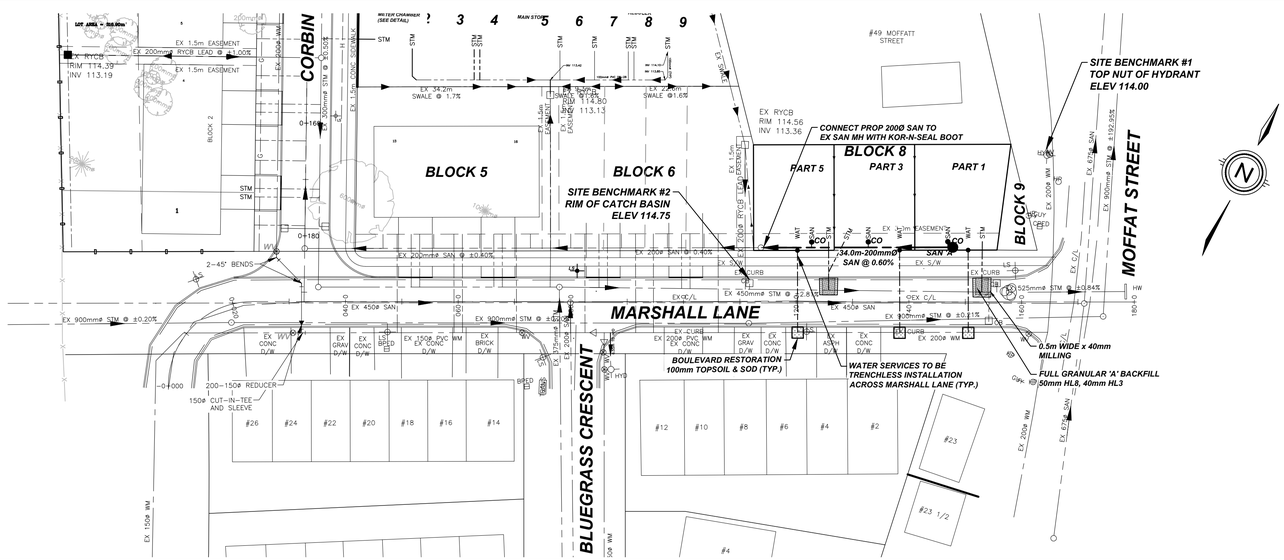
h) STORM LATERALS TO BE 100Ø WHITE PVC DR28, CSA B182.2 @ 1% MIN AND 2.0m BELOW THE FRONT APRON GRADE AT THE FRONT PROPERTY LINE.

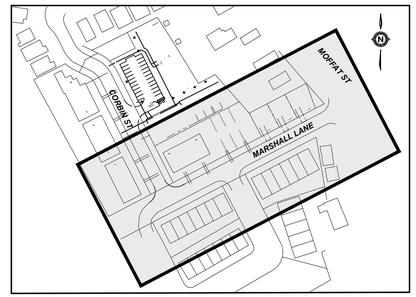
3. SANITARY SYSTEM

a) SANITARY SEWER SHALL BE PVC DR35, CSA B182.2
b) BEDDING FOR SANITARY SEWER PER OPSD 802.010
c) SANITARY LATERALS TO BE 100mmØ GREEN PVC DR28, CSA B182.2 @ 2% MIN AND 3.0m BELOW HIGHEST APRON GRADE AT THE PROPERTY LINE.
d) MANHOLES PER OPSD 701.010, FRAME & GRATE PER OPSD 401.010 INCLUDING KOR-N-SEAL BOOTS ON PVC PIPE CONNECTIONS, AND BENCHING PER OPSD 701.021
e) SANITARY SEWER CLEANOUTS AS PER CITY STANDARD DRAWING 110-3003 FOR FREEHOLD BUILDINGS
f) SANITARY SEWER FLUSHING, MANDREL, AIR TESTING AND VIDEO REPORTS TO BE PROVIDED TO ENGINEER IMMEDIATELY UPON COMPLETION (2 REPORTS)
g) SANITARY SEWER CONNECTION TO EXISTING MH REQUIRES KOR-N-SEAL BOOTS

4. WATER SYSTEM:

a) 25mmØ WATER SERVICE SHALL BE HDPE SERIES 160 AS PER OPSD 1104.010
b) BEDDING FOR WATER SERVICE PER OPSD 802.010
c) MINIMUM COVER FOR WATER SERVICE IS 1.70m TO THE OBVERT OF THE PIPE.
d) 10 GAUGE TRACER WIRE REQUIRED ON ALL WATER SYSTEMS

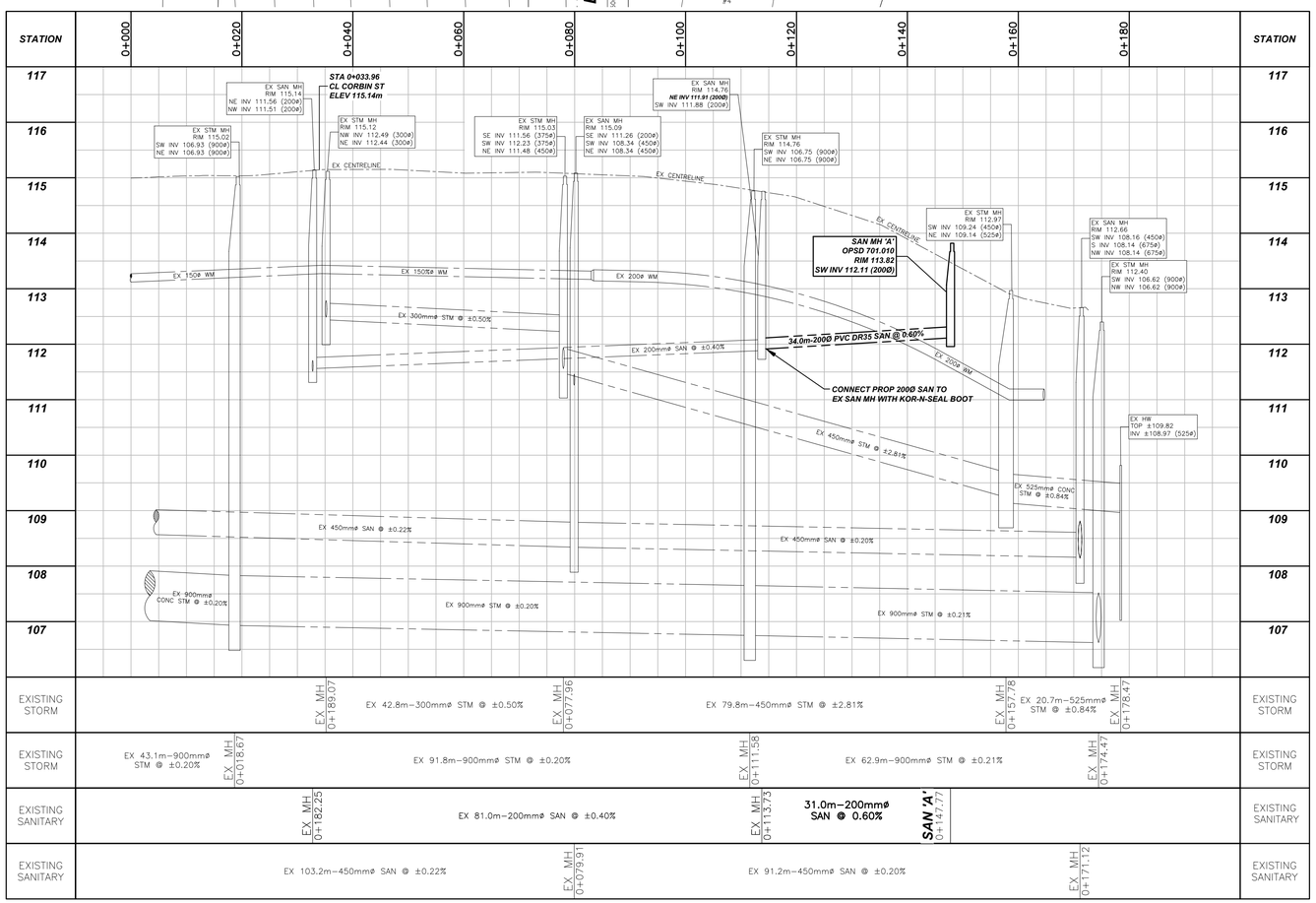




KEY PLAN / SCALE 1:2000

NOTE:

ROADWAY ASPHALT RESTORATION WILL BE 90mm AT CENTERLINE OR SAWCUT, 50mm AT THE CURB AND FULL 90mm OF FINGER RESTORATION.
AT TOP ASPHALT MILLING OF HIGHER BASE ASPHALT SHALL BE REQUIRED.



#	REVISION	DATE	INIT
5	ADD PROPOSED SANITARY MH & PIPE	2022-06-09	TA
4	ISSUED FOR CONSTRUCTION (REVISED)	2018-12-04	JS
3	ISSUED FOR CONSTUCTION	2018-10-26	JS
2	REVISED PER CITY COMMENTS	2018-10-12	JS
1	ISSUED PER COMMENTS	2018-05-22	JS
0	ISSUED FOR REVIEW	2018-03-29	JS

NOTES:
1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER, 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.
2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.
3. ALL CONSTRUCTION MUST COMPLY WITH THE NIAGARA PENINSULA STANDARD CONTRACT DOCUMENT.

DRAFTING	TO/NM
DESIGN	JS
CHECKED BY	MH
APPROVED BY	JS

LICENSED PROFESSIONAL ENGINEER — A. P. SCHOOLEY — Jun 9/22 — PROVINCE OF ONTARIO

SITE BENCHMARKS:
1. TOP NUT OF HYDRANT ELEV 114.00
2. RIM OF CATCH BASIN ELEV 114.75

St. Catharines
stcatharines.ca

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MARSHALL SEVERENCES
MARSHALL LANE
PLAN & PROFILE - PP2
CITY OF ST.CATHARINES

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