



PROPOSED RESIDENTIAL DEVELOPMENT

MAPLE AVENUE SUITES HALIBURTON, ONTARIO



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DET-1	CONSTRUCTION NOTES AND DETAILS

PROJECT NO. 21-11623-M

ISSUED FOR APPROVAL
DECEMBER 2022

The position of existing above ground and underground utilities and facilities are not necessarily shown on the drawings, and where shown, the accuracy of the position of such utilities and facilities is not guaranteed. Before starting work, the contractor shall confirm the exact location of all existing utilities and facilities, and shall assume all liability for damage to them.

Drawings shall not be used for construction unless sealed and signed. All work to be performed in accordance with the Occupational Health & Safety Act 1990.

Any errors and/or omissions shall be reported to Pinestone Engineering Ltd. without delay.



NOTES

1. TOPOGRAPHIC SURVEY COMPLETED BY GREG BISHOP SURVEYING AND CONSULTING LTD., 2021.

LEGEND

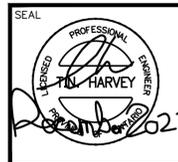
- 221.0 — CONTOUR
- EXISTING HYDRO POLE
- EXISTING TREELINE
- EXISTING SANITARY MANHOLE
- DITCH CENTERLINE
- ← DIRECTION OF OVERLAND FLOW

BENCHMARK

TBM#1
SIB ON EAST SIDE OF THE PROPERTY
ELEVATION 320.30

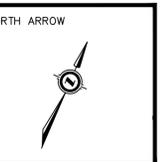
NO.	YY.MM.DD	REVISION	BY
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4	22.11.14	REVISED PER TOWN COMMENTS	G.N.
3	22.09.19	SITE PLAN REVISION/TOWN COMMENTS	G.N.
2	22.08.09	REVISED PER PEER REVIEW	G.N.
1	22.04.25	SITE PLAN REVISION	G.N.

SEAL



T.H. HARVEY
PROFESSIONAL ENGINEER
REGISTERED

NORTH ARROW

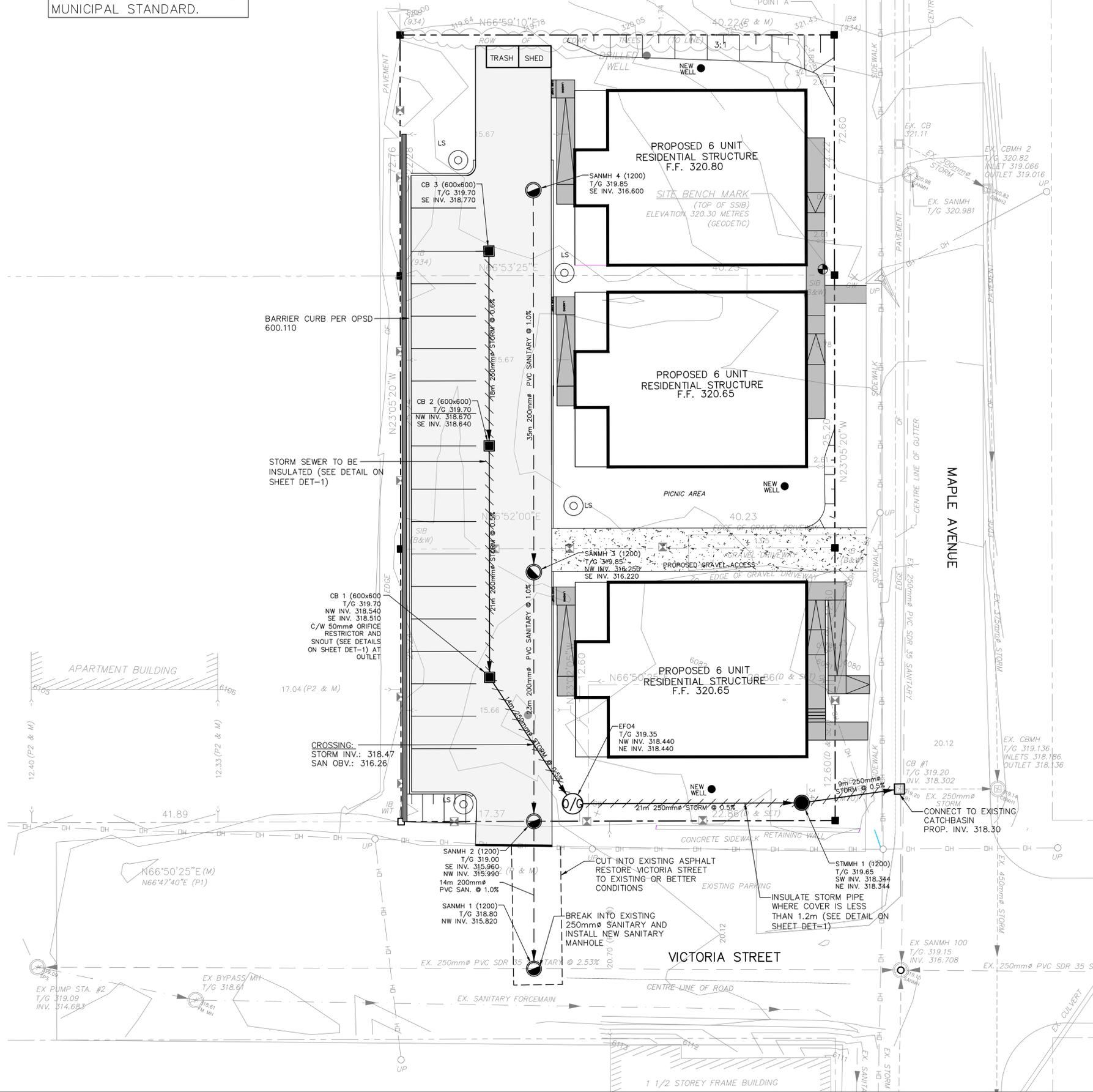


DESIGN BY:	L.T.
DRAWN BY:	G.N.
CHECKED:	T.H.
DATE:	FEBRUARY 2022
SCALE:	1:200

CLIENT/PROJECT		
MAPLE AVENUE SUITES HALIBURTON, ONTARIO		
DRAWING TITLE		
EXISTING CONDITIONS PLAN		
PROJECT NO.	DRAWING NO.	REVISION
21-11623-M	EX-1	5



NOTE:
EXISTING SERVICE LATERAL
TO BE DECOMMISSIONED PER
MUNICIPAL STANDARD.



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HALIBURTON, ONTARIO		
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SERVICING PLAN		
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21-11623-M	SERV-1	5

NOTE:

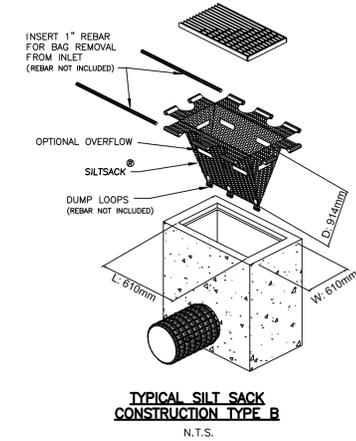
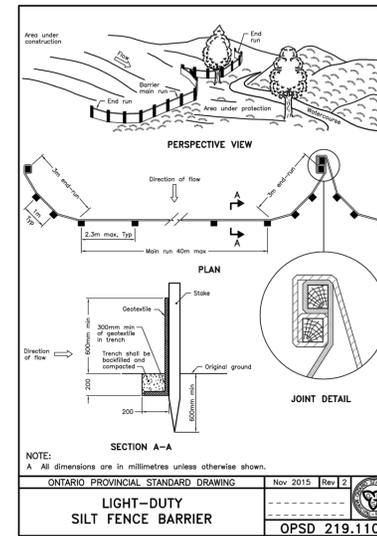
ALL ROOF LEADERS ARE TO BE DIRECTED TOWARDS THE PARKING

ROAD RESTORATION

- Asphalt to be saw cut full depth. Depth of granular B, granular A, and asphalt to match existing depth. The existing asphalt is to be milled to allow the new asphalt to be lapped at minimum 0.3m with a tack coat. Sidewalks to be sawcut at the first joint of any undamaged section and replaced to OPSD 310.010.

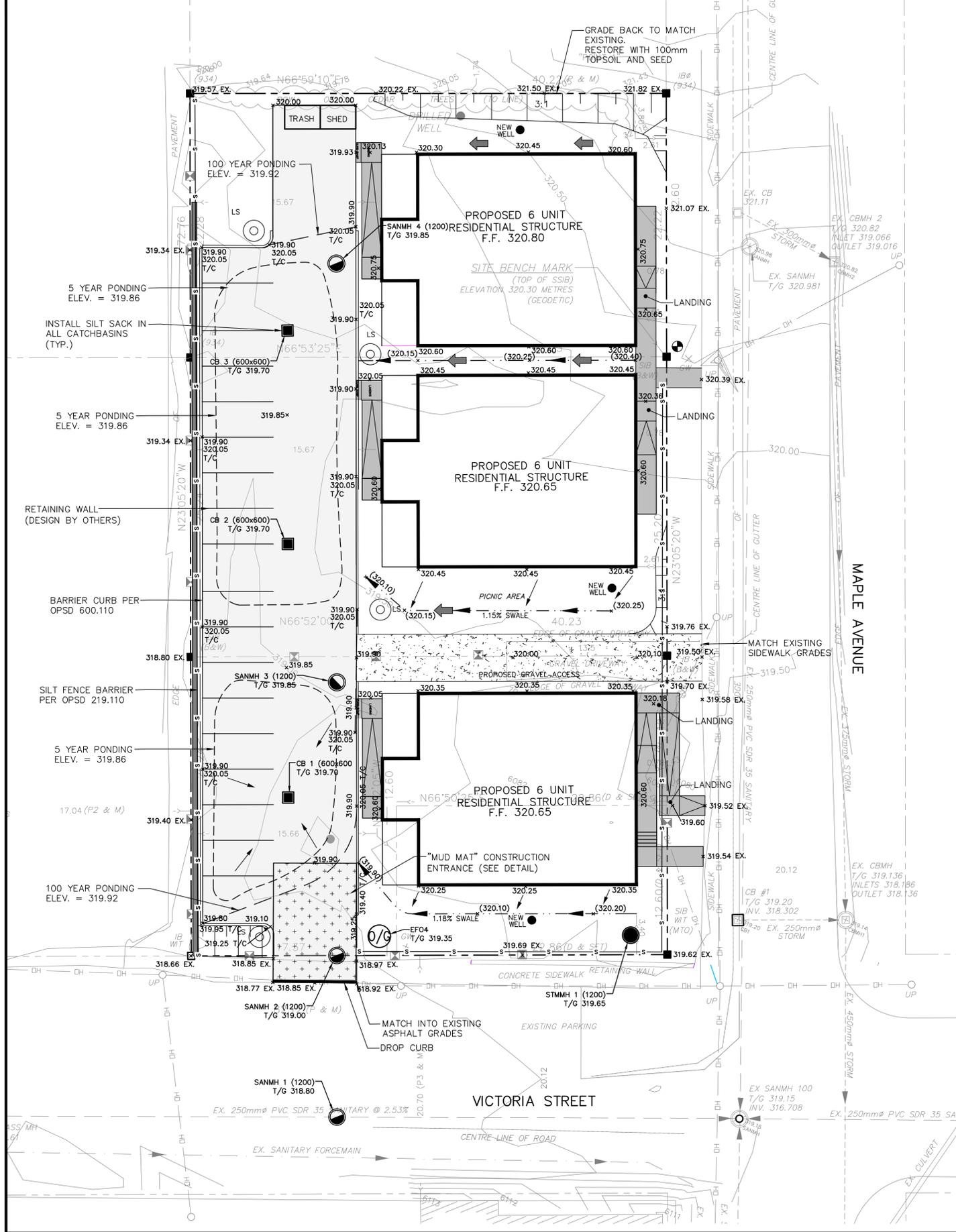
EROSION CONTROL NOTES:

- All silt fencing to be installed prior to any grading or excavation.
- Erosion control fencing to be installed around the base of all stockpiles.
- Additional erosion control measures may be required as site development progresses. Contractor to provide all additional erosion control structures as directed by the engineer.
- Pinestone Engineering Ltd. to monitor erosion control structures to ensure fencing is installed and maintenance is performed to municipal requirements.
- Erosion control structures to be monitored regularly and any damage repaired immediately. Sediments to be removed when accumulations reach a maximum of 1/2 the height of the fence.
- All erosion control structures to remain in place until all disturbed ground have been re-stabilized either by paving or restoration of vegetative ground cover.
- No alternate methods of erosion protection shall be permitted unless approved Pinestone Engineering Ltd. and the Township of Dysart et al. department of public works.
- Contractor is responsible for municipal roadway to be cleared of all sediments from vehicular tracking etc. at the end of each day.



- STONE SIZE**
- THE STONE PAD SHALL BE A MIN. 150mm THICK. USE 50mm# STONE OR RECLAIMED CONCRETE EQUIVALENT FOR FIRST 10m FROM ADJACENT ROAD AND 150mm# STONE FOR REMAINDER OF STONE PAD.
- LENGTH**
- AS REQUIRED BUT NOT LESS THAN 20m
- WIDTH**
- 6m WIDTH
- GEOTEXTILE FABRIC**
- GEOTEXTILE FABRIC (TERRAFIX 270R OR EQUIVALENT) WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE SURFACE WATER
 - ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE**
- THE CONTRACTOR SHALL MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAROUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. UPON OBSERVATION OF CONTINUOUS MUD TRACKING ONTO ADJACENT STREETS, THE MAT IS TO BE FULLY REPLACED.
- WASHING**
- WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AND APPROVED SEDIMENT TRAPPING DEVICE
 - INSPECTION AND REQUIRED MAINTENANCE AFTER EACH RAIN SHALL BE PROVIDED BY THE CONTRACTOR.

20m x 8m STONE MUDMAT DETAIL
 N.T.S.



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KEY MAP

NOTES

- TOPOGRAPHIC SURVEY COMPLETED BY GREG BISHOP SURVEYING AND CONSULTING LTD., 2021.

LEGEND

- 221.0 CONTOUR
- DIRECTION OF OVERLAND FLOW
- PROPOSED CATCHBASIN
- PROPOSED OIL/GRIT SEPARATOR
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED HYDRANT (BY OTHERS)
- PROPOSED ELEVATION
- PROPOSED SLOPE ELEVATION
- EXISTING ELEVATION
- TOP OF CURB
- PROPOSED ASPHALT SURFACE
- SILT FENCE
- RIPRAP
- PROPOSED ROOF LEADER
- 3.0% DIRECTION OF OVERLAND FLOW AND GRADIENT
- PROPOSED SWALE CENTERLINE

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SEAL

T.H. HARVEY
 PROFESSIONAL ENGINEER
 LICENSE NO. 12345
 FEBRUARY 2022

NORTH ARROW

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CLIENT/PROJECT

**MAPLE AVENUE SUITES
 HALIBURTON, ONTARIO**

DRAWING TITLE

**GRADING, STORMWATER
 MANAGEMENT AND
 CONSTRUCTION MITIGATION PLAN**

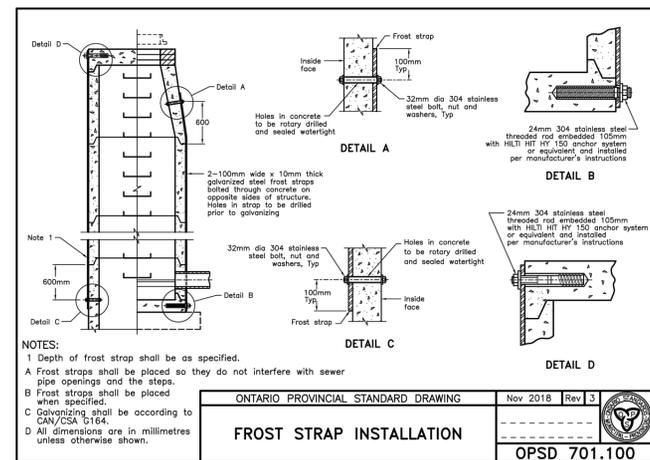
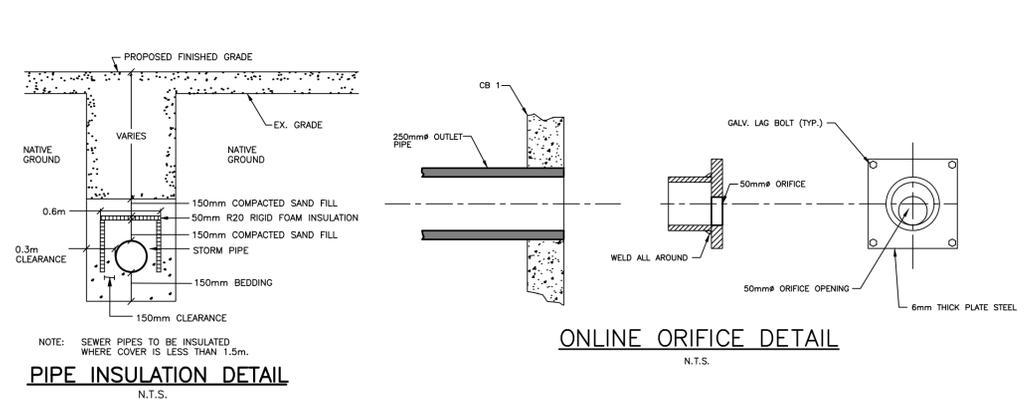
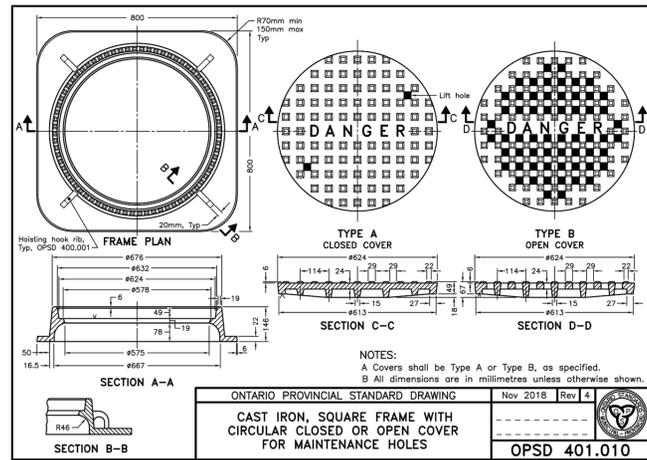
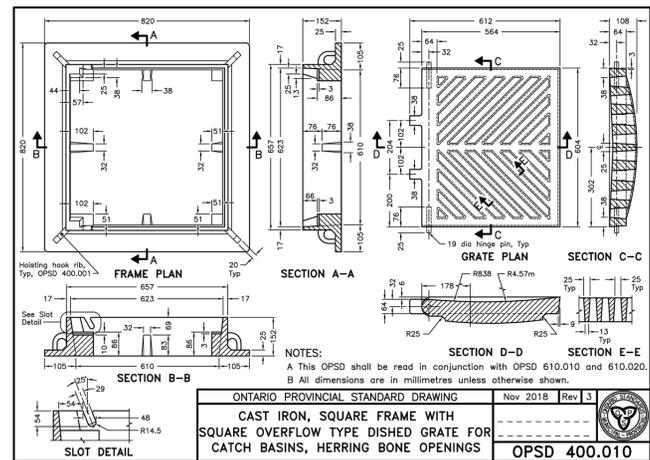
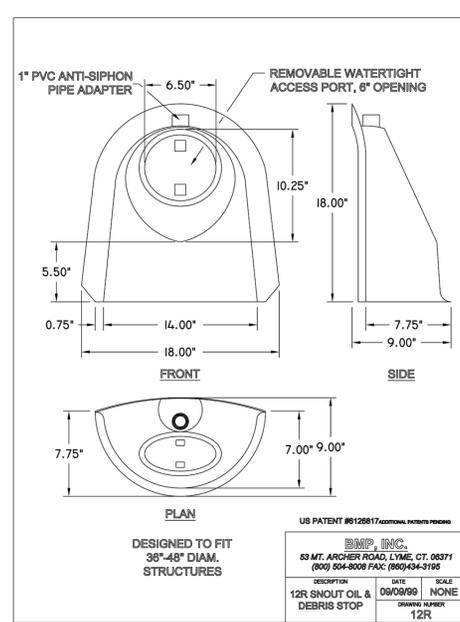
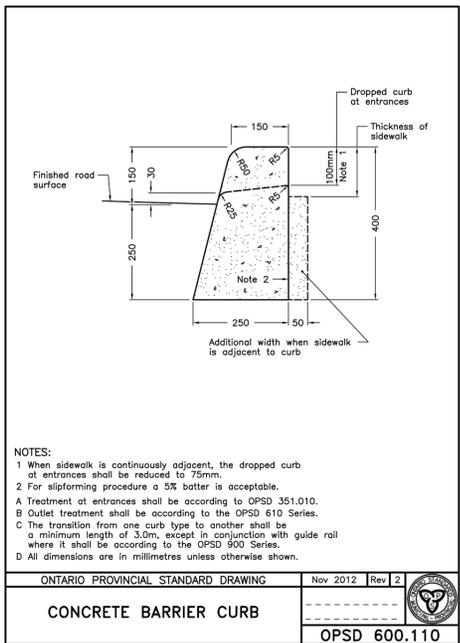
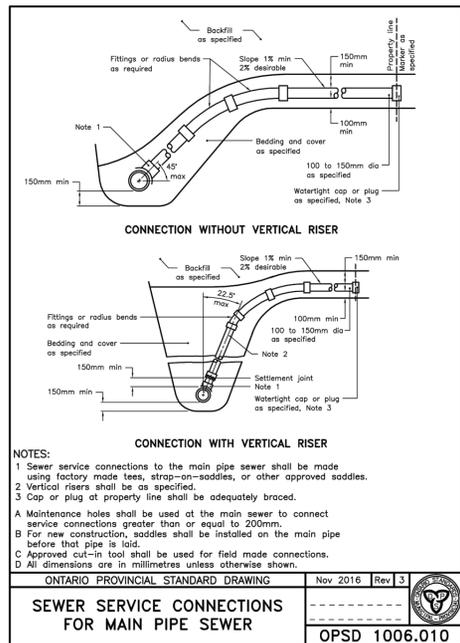
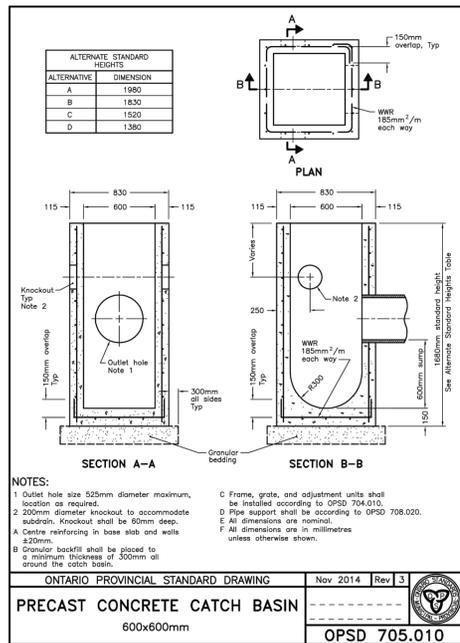
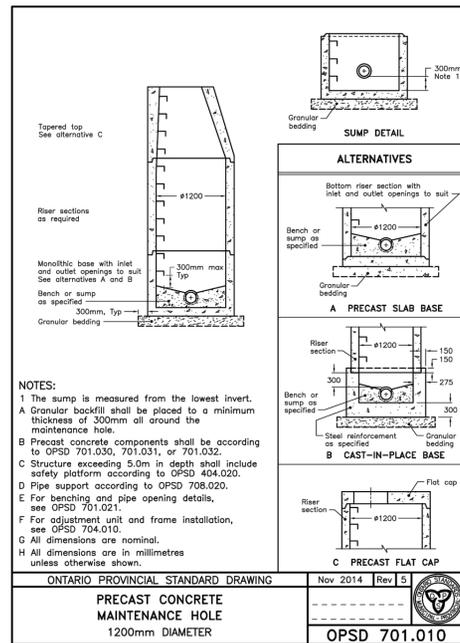
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SANITARY SEWERS

1. Work shall conform to opss 410 and the Ontario Building Code. Pipe embedment and backfill shall conform to OPSD 802.010 and 802.013 and the Ontario Building Code Specifications. Pipe embedment material to springline shall consist of Granular "A" or 19mm diameter springline to 300mm above pipe shall consist of sand. Trench backfill to road subgrade elevation shall consist of approved native material compacted to 95% SPD.
2. Sanitary sewer to be 200mm ϕ PVC DR 35 as shown on the drawings
3. Sanitary sewers to be tested in accordance with the Ontario Building Code and OPSS-409&410.

STORM SEWER NOTES

1. Storm sewers shall be smooth wall 320KPa HDPE per BOSS 2000 with bell & spigot joint and conform with OPSS.410. Pipe embedment and backfill shall conform to OPSD 802.010 and 802.013. Pipe embedment material to springline shall consist of Granular "A" or 19mm diameter clear stone. Embedment from springline to 300mm above pipe shall consist of sand. Trench backfill to road subgrade elevation shall consist of approved native material compacted to 95% SPD.
2. CB to be as per OPSD 705.010. Sump to be provided as required for BMP snout. Grate to be as per OPSD 400.020.
3. Sub-drains to be BOSS 2000



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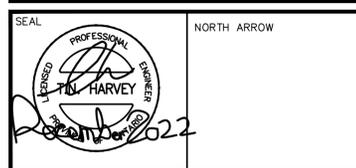
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