

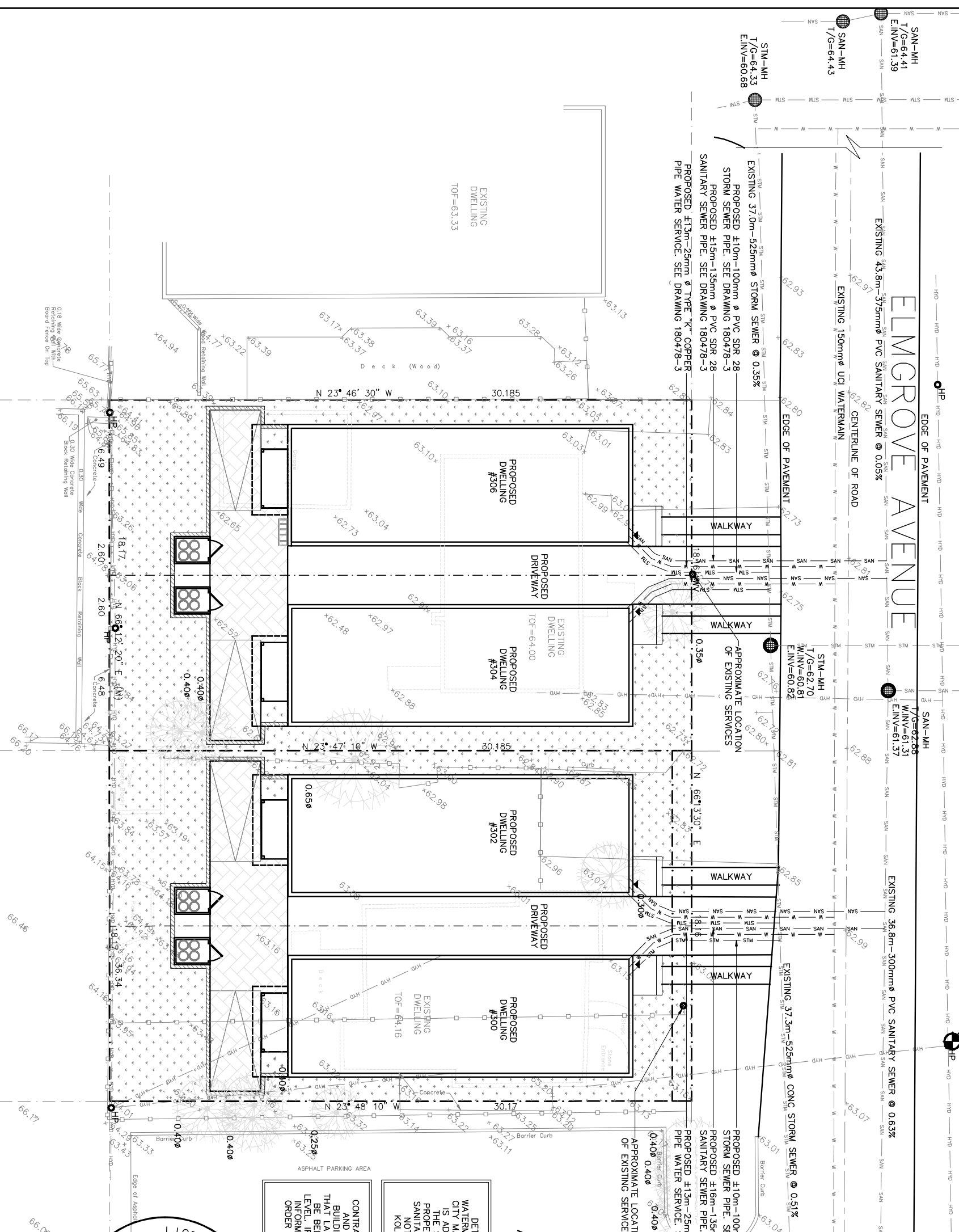
DRAWING NUMBER: 180478-2

CONSTRUCTION NOTES:

1. All dimensions and elevations are in metres. Do not scale drawing.
2. This drawing is not a legal survey, a utility plan or a site plan and is for sanitary, storm and water servicing only.
3. TBM = Magnetic nail & washer in utility pole. Elevation=63.38, as per Fairhall, Moffatt, and Woodland Ltd survey reference No. 24 - 184 NP.
4. This drawing cannot be accepted as acknowledging all of the utilities, and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
5. This drawing is not for construction until approved by the relevant authorities.
6. Top of Foundation (TOF) elevations and assumed Underside of Footing (USF) elevations are shown on drawing.
7. Existing location of watermain, sanitary sewer and storm sewer as shown on this plan are approximate. Contractor to verify in the field to confirm exact location prior to construction.
8. Service laterals to be insulated where soil is cover is less than 2.4 metres for water services and 2 metres sanitary and storm services.
9. If water service is less than 2.4 metres from sewer manhole or catchbasin, contractor shall insulate bedding them with s/r/m rigid insulation.
10. Bedding for sewers and watermain installation shall be granular type "B" compacted to 95% dry proctor density.
11. All dimensions to be verified on site by contractor prior to construction.
12. Client is responsible for acquiring all necessary permits.
13. A geotechnical engineer should be retained to provide geotechnical recommendations with respect to the subgrade conditions prior to footing installation.
14. Elevations of existing storm and sanitary services were provided by the Information Centre at the City of Ottawa.
15. Any changes made to this plan must be verified and approved by Kollaard Associates Inc.

**LEGEND**

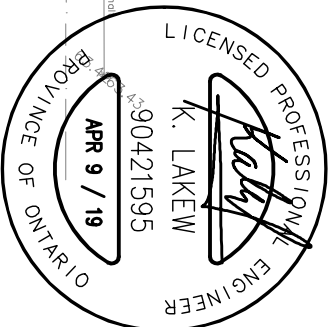
	EXISTING CATCHBASIN
	EXISTING MANHOLE
	STORM CONNECTION
	SANITARY CONNECTION
	WATER CONNECTION
	STORM SEWER
	SANITARY SEWER
	WATERMAIN
	HYDRO POLE
	FIRE HYDRANT
	TEMPORARY BENCHMARK



- ALL SERVICES TO BE INSTALLED AT CURRENT CITY OF OTTAWA STANDARDS
- SEWER LATERALS TO BE INSULATED AS PER CITY OF OTTAWA STANDARD DWG W22
- BACKWATER VALVE TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S14, S14.1, S14.2
- MAXIMUM NUMBER OF TWO (2) 22.5" BENDS ARE PERMITTED FOR EACH SERVICE LATERAL AND BOTH BENDS ARE TO OCCUR WITHIN THE PROPERTY BOUNDARY
- 300mm CLEARANCE BETWEEN WATERMAIN AND SANITARY & STORM LATERALS IS TO BE PROVIDED
- IF NOT BEING RE-USED, EXISTING WATER SERVICE LINE TO BE BLANKED AT WATERMAIN AND SEWER LATERALS TO BE CAPPED AT PROPERTY LINE AS PER CITY STD DWG S11.4
- THIS DRAWING IS NOT FOR CONSTRUCTION UNTIL APPROVED BY THE RELEVANT AUTHORITIES
- TBM = MAGNETIC NAIL & WASHER IN UTILITY POLE. ELEVATION=63.38, AS PER FAIRHALL, MOFFATT AND WOODLAND LTD SURVEY REFERENCE NO. 24 - 184 NP

DETAILS OF THE EXISTING SEWERS AND WATERMAIN SHOWN ON THIS STREET FROM THE CITY MAY NOT BE CURRENT. THE CONTRACTOR IS ADVISED TO EXCAVATE AND INVESTIGATE THE SEWER ELEVATIONS IN FRONT OF THIS PROPERTY TO ENSURE 1% MIN SLOPE OF THE SANITARY LATERAL CAN BE ACHIEVED. IF THIS NOT POSSIBLE CONTRACTOR TO INFORM KOLLAARD ASSOCIATES AND THE OWNER.

CONTRACTOR TO CONSTRUCT SANITARY, STORM AND WATER SERVICES PRIOR TO POURING AND BUILDING FOOTINGS. CONTRACTOR TO VERIFY THAT LATERALS CAN ACHIEVE 1% MIN SLOPE AND BE BELOW PROPOSED UNDERSIDE OF FOOTING LEVEL. IF THIS IS NOT POSSIBLE CONTRACTOR TO INFORM KOLLAARD ASSOCIATES AND OWNER IN ORDER TO ADJUST FOUNDATION GRADES PRIOR TO FOOTING PLACEMENT.



<p><b>Kollaard Associates</b> Engineers</p> <p>(613) 860-0923</p> <p>210 PRESCOTT STREET PO BOX 189 KEMPVILLE ONTARIO K0G 1J0</p> <p>FAX (613) 258-0475 www.kollaard.ca info@kollaard.ca</p>		<p>CLIENT: ANTILIA HOMES</p> <p>PROJECT: PROPOSED SITE SERVICING PLAN</p> <p>LOCATION: 300-306 ELMGROVE AVENUE R.PLAN 184, SUBLOT 11/12 LOT 31, CONC. 1, KITCHISSIPPI, CITY OF OTTAWA, ONTARIO</p> <p>DESIGNED BY: NR</p> <p>DATE: SEP 21, 2018</p> <p>DRAWN BY: NR</p> <p>SCALE: 1:250</p> <p>KOLLAARD FILE NUMBER: 180478</p>
<p>4. NR APR 9/19 AS PER CLIENT</p> <p>3. PV DEC 18/18 AS PER CITY OF OTTAWA</p> <p>2. NR DEC 6/18 AS PER CITY OF OTTAWA</p> <p>1. NR NOV 5/18 AS PER CLIENT</p>	<p>REV. NAME DATE DESCRIPTION</p>	