

1. THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND THEREFORE SHALL BE THE RESPONSIBILITY OF SUCH POSITIONS OF SUCH UTILITIES AND STRUCTURES NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
2. ALL AREAS DISTURBED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE WORKS HEREIN, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. THIS INCLUDES REPLACING ANY REMOVED GRASS AND VEGETATION COVERED AREAS SHALL BE RESTORED BY PLACING A MINIMUM 100mm of TOPSOIL AND No. 1 NURSERY SOD TO ESTABLISH A GRASS COVER TO THE SATISFACTION OF THE TOWN, UNLESS NOTED OTHERWISE.
3. ALL CONSTRUCTION SIGNING MUST CONFORM TO THE M.T.O. MANUAL OF TRAFFIC CONTROL DEVICES (BOOK 7).
4. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT. TOWN OF LINCOLN STANDARD DRAWINGS AND OPSD SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT.
5. GRANULAR BACKFILL AROUND MANHOLES AND CATCH BASINS SHALL BE COMPACTED BY MECHANICAL MEANS TO A MINIMUM OF 100% S.P.D.
6. PRIOR TO CONSTRUCTION OWNER TO OBTAIN TOWN OF LINCOLN ENTRANCE, UTILITY AND FIRE LINE PERMITS.
7. PRIOR TO CONSTRUCTION, OWNER TO OBTAIN ALL REGIONAL PERMITS (ENTRANCE/ENCROACHMENTS)
8. TEMPORARY RESTORATION WITHIN THE REGIONAL ROAD ALLOWANCE SHALL BE COLDMIX ASPHALT AND MAINTAINED BY THE CONTRACTOR UNTIL PROPER REINSTATEMENT IS COMPLETE.
9. ANY MATERIALS OR EQUIPMENT THAT ARE REQUIRED TO BE REMOVED OR DELIVERED TO ANOTHER SITE WITHIN THE TOWN OF LINCOLN, A SITE ALTERATION PERMIT MAY BE REQUIRED. PERMIT TO BE OBTAINED BEFORE REMOVAL OF THIS SITE MATERIAL.
11. ALL RESTORATIONS WITHIN REGIONAL ROAD TO BE AS PER NIAGARA REGIONAL CONSTRUCTION ENCROACHMENT SPECIFICATIONS

1. STORM MANHOLES SHALL BE IN ACCORDANCE WITH OPSD 701.010, 701.011, 701.012 AS APPLICABLE, WITH FRAME AND OVER AS PER OPSD 401.010 TYPE "A".
2. STORM SEWER PIPE SHALL BE CONSTRUCTED WITH CAST IRON PIPE OR POLYVINYL CHLORIDE PIPE AS DETERMINED BY THE SPECIFICATIONS OUTLINED BELOW, AS APPLICABLE:
 - 2.1. REINFORCED CONCRETE SEWER PIPE 300mm DIAMETER AND LARGER SHALL BE STEEL REINFORCED AND SHALL CONFORM TO A.S.T.M. SPECIFICATION C76-68T, OR EQUIVALENT REVISION OF THIS CLASS 5000 PIPE TO A MINIMUM OF 100% BENCHING.
 - 2.2. POLYVINYL CHLORIDE PIPE SHOULD BE MANUFACTURED IN ACCORDANCE WITH THE LATEST REVISIONS OF C.S.A. B182.4 AND C.S.A. B182.2.
3. STORM SEWER MANHOLES SHALL BE IN ACCORDANCE WITH OPSD 701.021. ALL BENCHING INSIDE MANHOLES SHALL BE A MINIMUM OF 150mm IN HEIGHT AND TO THE SPRINGLINE.
4. CATCH BASIN MANHOLES SHALL HAVE NO BENCHING AND PROVIDED WITH 0.30m DEEP SUMP.
5. STORM SEWER SHALL BE CONSTRUCTED TO THE GROUND SURFACE WITH A MINIMUM OF 10% BENCHING WITH FULL GRANULAR "A" COVER, ALL BEDDING AND COVER MATERIAL TO BE COMPACTED TO 100% STANDARD PROCTOR DENSITY. BACKFILL MATERIAL TO BE SELECT NATIVE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
6. CATCH BASIN SHALL CONFORM TO OPSD 705.010. CATCH BASIN FRAME AND GRATE SHALL MEET OPSD 400.020. CATCH BASIN CONNECTIONS TO BE AS SPECIFIED. CATCH BASIN LEADS TO BE PVC RIBBED, A MINIMUM SLOPE OF 1.0% UNLESS OTHERWISE NOTED.
7. CATCH BASIN SHALL BE CONSTRUCTED TO THE GROUND SURFACE. ALL HIGH BASINS IMMEDIATELY AFTER INSTALLATION TO TRAP SEDIMENT. SILT SAC'S SHALL BE CLEANED REGULARLY BY THE CONTRACTOR AND SHALL NOT BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND ALL TURF ARE GRASSED AND SODDED. FILTER FABRIC FOR SILT CONTROL SHALL BE TERRAFIX 270R OR APPROVED EQUIVALENT.
8. ALUMINUM MANHOLE STEPS ARE TO BE AS PER OPSD 405.010.
9. ALL STORM SEWERS, CATCH BASIN LEADS, BUILDING LEADS TO BE FLUSHED, MANHOLES FOR PVC PIPE, VIDEO INSPECTED AND TWO (2) REPORTS PROVIDED TO THE ENGINEER PRIOR TO BASE ASPHALT BEING PLACED.

DATE _____

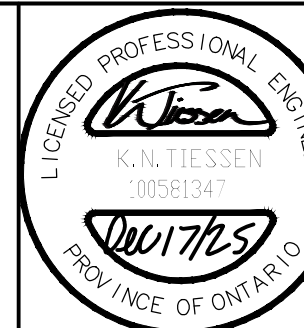
LEGEND

	EX WATER VALVE
	EX WATER VALVE CHAMBER
	EX HYDRANT
	EX CATCHBASIN
	PROP CATCHBASIN
	EX DOUBLE CATCHBASIN
	PROP CATCHBASIN MANHOLE
	EX CATCHBASIN MANHOLE
	EX SANITARY MANHOLE
	EX STORM MANHOLE
	PROP STORM MANHOLE
	EX PLUG
	EX HOLE POLE
	EX LIGHT STANDARD
	EXISTING ELEVATION
	PROPOSED ELEVATION
	EX WATERMAIN
	EX STORM SEWER
	PROP STORM SEWER
	EX SANITARY SEWER
	PROP CURB
	PROP DEPRESSED CURB
	SILT FENCE

1. THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWER, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, THEREFORE, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE 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.

APPROVED BY

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