

After Final Acceptance Inspection/Maintenance Responsibility N/A Owner Owner	NORTH KEY PLAN	17
	EGEND	
<u>-</u>		
	15.8/ 116.60	
	116.60 1:5 YR	
	110.00 EXISTING ELEVATION 1:100 YR × 115.44 EXISTING ELEVATION 1:00 YR	
	114.00 ^(D) PROPOSED DITCH ELEVATION	
	115.90(S) PROPOSED SWALE ELEVATION 2.0% GRADE AND DIRECTION <i>X X X EXISTING FENCE</i>	
JRRENT	GRADE AND DIRECTION HP EXISTING UTILITY POLE C/W GUY WIN MAX 3:1 SIDESLOPES (UNLESS OTHERWISE NOTED)	RES
	PROPOSED SILT FENCING (OPSD 219.110) PAVEMENT STRUCTURES:	
	DIRECTION OF MAJOR OVERLAND FLOW GRAVEL AREA 150mm GRAN "A"	
	LD 3 D PROPOSED LANDSCAPE DRAIN (450mmØ) 450mm GRAN "B" TYPE II	
IR E CAN	CB 1 PROPOSED DITCH INLET CATCHBASIN ICD PROPOSED INLET CONTROL DEVICE HEAVY DUTY ACCESS (NEW PAVEMENT)	
	- → → → → PROPOSED STORM SEWER 45mm SUPERPAVE 12.5 (TRAFFIC LEVEL B) 150mm GRAN "A"	
	 PROPOSED BOLLARD PROPOSED BOLLARD ASPHALT GRADE PG 58-34 	
OF THE E		
ENCY.	INLET CONTROL DEVICE DATA - DICB 1 DESIGN PLUG TYPE ICD DIAMETER OF DESIGN DESIGN WATER PONDING	
GINEER R TO	EVENT (CIRCULAR ORIFICE SIZE) OUTLET PIPE FLOW HEAD ELEVATION DEPTH 1:5 YR 178mm Ø ORIFICE 300mm Ø 63.0 L/s 0.84 m 114.94 m 0.34 m	
JRING TED IN	1:100 YR 178mm Ø ORIFICE 300mm Ø 71.0 L/s 1.07 m 115.17 m 0.57 m	
AND RUCTION TION IS RAL OR ; APPLY ABILIZE IGINEER, MOVED S OF LUDING OL TROL	 DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING. OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION. BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,000.00. INSURANCE POLICY TO NAME OWNERS AND ENGINEERS AS CO-INSURED. RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF MUNICIPAL AUTHORITIES AND ENGINEER. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTI BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ANY CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY. ALL ELEVATIONS ARE GEODETIC. THE EXISTING POINT ELEVATIONS, SITE CONTOURS AND SURVEY INFORMATION WAS PROVIDED BY THOMAS CAVANAGH CONSTRUCTION LIMITED (FILE NAME: 2727 Carp Rd Linework for Topo.dxf). THE SURROUNDING CONTOUR INFORMATION BEYOND THE SITE IS FROM CITY OF OTTAWA MAPPING. REFER TO GEOTECHNICAL INVESTIGATION REPORT NO. 63978.96 (DATED APRIL 27, 2016) PREPARED BY HOULE CHEVRIER ENGINEERING FOR SUBSURFACE CONDUITIONS, CONSTRUCTION RECOMMENDATIONS AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL. REFER TO THE SITE PLAN AND LANDSCAPE PLAN FOR HARD SURFACE AREAS AND DIMENSIONS. SAW CUT AND KEYGRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10 AND R25). 	ΞD
ME EAS	ASBUILTS:	
Μ	 THE CONTRACTOR IS TO PROVIDE THE CONSULTANT WITH A PLAN INDICATING ALL OF THE APPLICABLE GRADING AND SERVICING AS-BUILT INFORMATION SHOWN ON THIS PLAN. AS-BUILT INFORMATION MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND T/G ELEVATIONS, STRUCTURE LOCATIONS AND ANY ALIGNMENT CHANGES AS WELL AS THE ASBUILT ELEVATION OF EVERY DESIGN GRADE SHOWN ON THIS PLAN. 	
	GRADING NOTES:	
	1. ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED	
-9		
ΞS	2. EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS. ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUBEXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST	
ASS I GEOTEXTILE	COMPATIBLE WITH THE EXISTING SOILS.	
	3. THE GRANULAR BASE SHOULD BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROPOSED PAVEMENT SHOULD BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.	
	4. MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.	
LATION	5. REFER TO THE SITE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.	
	LOCATION 2727 CARP ROAD (ATCO TRAILER SITE LEASE AREA ONLY).	_
	NOVATECH OTTAWA, ONTARIO DRAWING NAME PROJECT NO.	
	Suite 200, 240 Michael Cowpland Drive 100	149-
	Ottawa, Ontario, Canada K2M 1P6 Telephone (613) 254-9643 GRADING, SERVICING & EROSION	
	Facsimile (613) 254-5867 Website www.novatech-eng.com AND SEDIMENT CONTROL PLAN	EV # 8

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