

THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

### LEGEND

#### CONTROL / MONUMENTS / PROPERTY / SURVEY

- STANDARD IRON BAR
- TOTAL STATION POINT
- PROPERTY LINE / RIGHT-OF-WAY / EASEMENT

CONTROL POINT SCHEDULE - LACROIX ROAD					
LOCATION	POINT	DESCRIPTION	COORDINATES		ELEVATION
			Northing	Easting	
LACROIX ROAD	#1	NAIL	5032845.476	483294.493	73.460
LACROIX ROAD	#2	RIB	5032851.480	483292.222	73.149
LACROIX ROAD	#3	MAGNAIL	5032837.795	483274.855	73.085
UTM, ZONE 18, NAD 83 (CSRS)					
DIMENSIONS SHOWN ARE GROUND DISTANCES					

#### EXISTING DRAWING SYMBOLS

- BORE HOLE
- EXISTING GRADE ELEVATIONS
- EXISTING ROAD SIGN
- EXISTING HYDRO POLE
- EXISTING POLE ANCHOR
- EXISTING PEDESTAL (BELL/CABLE/OTHER)
- EXISTING POLE
- EXISTING DITCH INLET
- EXISTING FIRE HYDRANT
- STRAW BALES PER OPSD 219.180

#### EXISTING DRAWING LINETYPES

- EXISTING FENCE LINE
- EXISTING WOOD OUTLINE
- EXISTING EDGE OF ROADWAY
- EXISTING EDGE OF SHOULDER
- EXISTING ROAD CENTERLINE
- EXISTING TOP OF BANK
- EXISTING TOE OF SLOPE
- EXISTING DITCHLINE
- EXISTING GUIDERAIL
- EXISTING CULVERT
- EXISTING UNDERGROUND BELL
- EXISTING OVERHEAD WIRES
- EXISTING WATERMAIN
- EXISTING CONTOURS (0.5m INTERVAL)
- SILT FENCE PER OPSD 219.110

#### PROPOSED CLAY SEAL

THE CLAY SEAL TO BE CONSTRUCTED FULL WIDTH OF TRENCH, FROM TRENCH BOTTOM TO BOTTOM OF SUBGRADE. CLAY SEAL TO CONSIST OF COMPACTABLE CLAY MATERIAL PLACED IN LIFTS NO THICKER THAN 300mm AND COMPACTED TO AT LEAST 95% SPMD. CLAY TO BE IMPORTED. ALTERNATIVELY, A CEMENT/BENTONITE MATERIAL COULD BE USED AS A SUBSTITUTE FOR CLAY AS APPROVED BY GEOTECHNICAL ENGINEER.

#### REMOVALS AND ADJUSTMENTS

- ASPHALT ROADWAY
- ASPHALT DRIVEWAY
- SIDEWALK
- ASPHALT MILLING PARTIAL DEPTH
- EXCAVATION AREA
- CONCRETE CURB
- ADJUST CATCH BASIN
- ADJUST MANHOLE, VALVES
- REMOVE CATCH BASIN, VALVE BOX VALVE CHAMBER AND FIRE HYDRANT
- PLUG
- REMOVE SEWER, WATERMAIN, UTILITY

NOTES:

- LIMITS OF DRIVEWAY AND WALKWAY REMOVALS SHOWN ARE APPROXIMATE. EXACT LIMITS SHALL BE DETERMINED IN THE FIELD DURING CONSTRUCTION BY THE CONTRACT ADMINISTRATOR.
- DRIVEWAYS CONSTRUCTED WITH INTERLOCK BRICK SHALL BE REMOVED CAREFULLY, AND BRICKS SHALL BE SALVAGED FOR REINSTALLATION FOLLOWING CONSTRUCTION.

TREES NOT MARKED FOR REMOVAL ARE TO BE PROTECTED FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION. TRIM BRANCHES AS REQUIRED FOR PROTECTED TREES.

#### REINSTATEMENT

- ASPHALT ROADWAY
- ASPHALT DRIVEWAY
- CONCRETE
- GRANULAR 'M' SHOULDER (150mm)
- GRANULAR 'A' BEDDING
- GRANULAR 'B' BACKFILL
- R50 RIP-RAP
- R10 RIP-RAP
- 100mm TOPSOIL C/W SEED (STANDARD ROADSIDE MIX)
- GEOGRID TIE BACKS
- GEOGRID
- GEOTEXTILE

NOTES:

- ACTUAL LIMIT OF NEW DRIVEWAY/WALKWAY CONSTRUCTION TO BE DETERMINED IN THE FIELD BY CONTRACT ADMINISTRATOR DURING CONSTRUCTION.
- ACTUAL LIMIT OF NEW SOD AND GRADING TO BE DETERMINED IN THE FIELD BY CONTRACT ADMINISTRATOR DURING CONSTRUCTION.

#### GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR MUST COMPLY WITH LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.
- CONTRACTOR TO REINSTATE TO MATCH EXISTING CONDITIONS WHILE PROVIDING POSITIVE DRAINAGE (MIN 2%) AWAY FROM ROADWAY AND RETAINING WALL AND TO DRAINAGE DITCHES OR WATERCOURSE
- REFER TO GEOTECHNICAL REPORT FOR SLOPE STABILITY AND SOIL PROPERTY INFORMATION.
- COORDINATE PRIVATE PROPERTY ACCESS WITH PRIVATE PROPERTY OWNERS.
- IF CONSTRUCTION ACTIVITY AT PERIMETER OF WORK AREA ENCROACHES ON DRIP LINE OF EXISTING TREES, CONTRACTOR TO INSTALL TREE PROTECTION BARRIER PER OPSD 220.010 AT DRIP LINE.
- CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.

#### EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL PRIOR TO COMMENCING WORK. THE PLAN SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE, DURING CONSTRUCTION ACTIVITIES; THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS, AND INSTALLING AND MAINTAINING MUD MATS FOR OUTGOING CONSTRUCTION TRAFFIC DURING CONSTRUCTION ACTIVITIES.
- PREVENT SOIL LOSS DURING CONSTRUCTION (BY STORM WATER RUNOFF OR WIND EROSION).
- PROTECT TOPSOIL BY STOCKPILING FOR REUSE.
- PREVENT SEDIMENTATION OF DITCHES AND RECEIVING STREAMS.
- PREVENT AIR POLLUTION FROM DUST AND PARTICULATE MATTER.
- INSTALL FILTER BAG INSERT IN ALL STORM MANHOLES AND CATCH BASINS IMPACTED DURING CONSTRUCTION.
- SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CONTRACT ADMINISTRATOR OR CONSERVATION AUTHORITY.
- THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- CONTRACTOR TO SUBMIT AND OBTAIN APPROVAL FROM CA FOR EROSION AND SEDIMENT CONTROL PLAN PRIOR TO COMMENCING WORK.
- EROSION AND SEDIMENT FEATURES SHOWN ON PLAN ARE FOR REFERENCE ONLY.

No.	DATE	BY	REVISION COMMENTS
4	2019-09-04	AS/BWS	ISSUED FOR ADDENDUM1
3	2019-08-14	AS/BWS	ISSUED FOR TENDER
2	2019-07-26	AS/BWS	ISSUED FOR REVIEW
1	2019-07-12	AS/BWS	ISSUED FOR UTILITY CIRCULATION



### LACROIX ROAD CULVERT CLARENCE-ROCKLAND ~ LEGEND

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