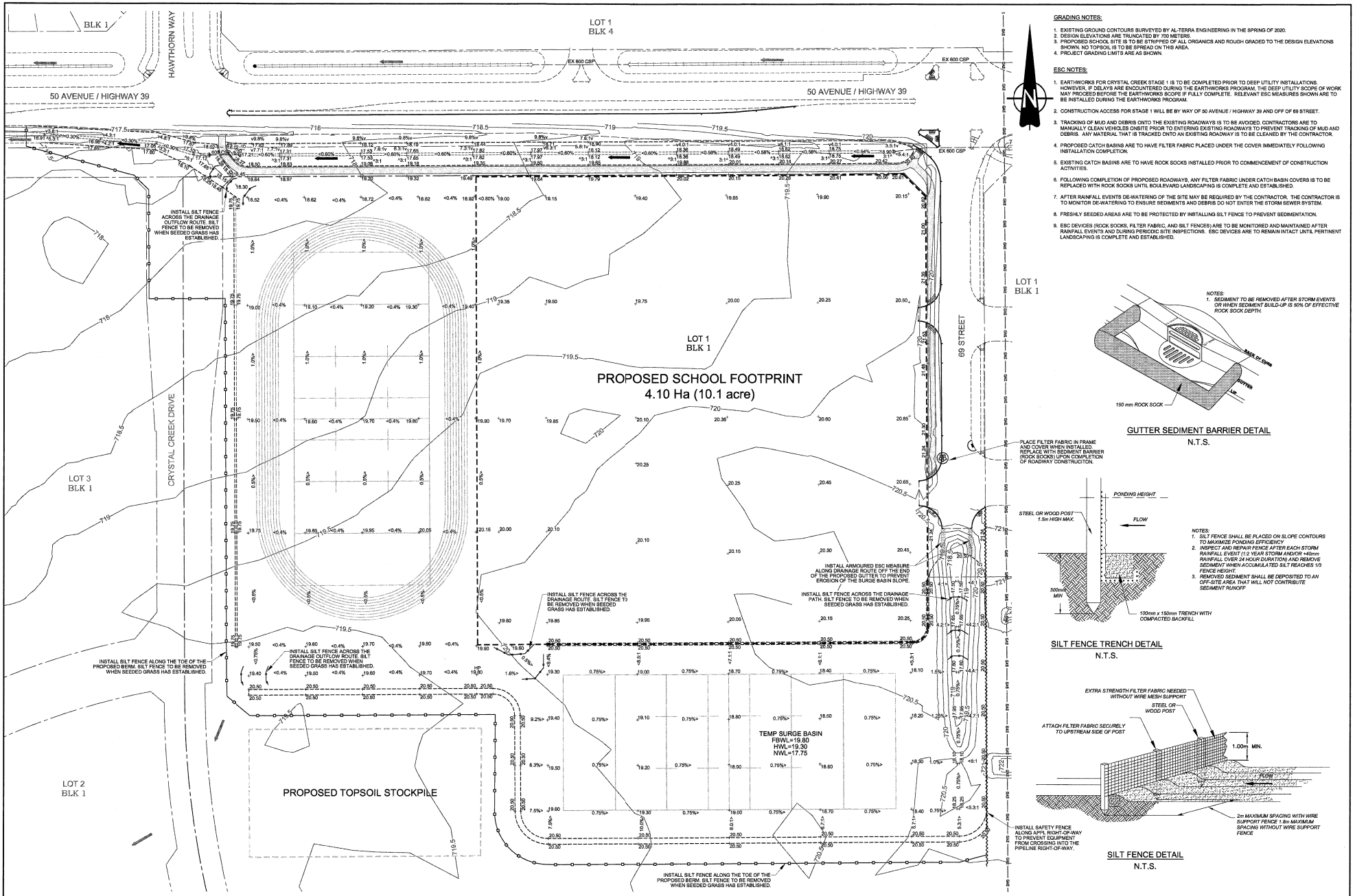

GRADING NOTES:

1. EXISTING GROUND CONTOURS SURVEYED BY AL-TERRA ENGINEERING IN THE SPRING OF 2020.
2. DESIGN ELEVATIONS ARE TRUNCATED BY 700 METERS.
3. PROPOSED SCHOOL SITE IS TO BE STRIPPED OF ALL ORGANICS AND ROUGH GRADED TO THE DESIGN ELEVATIONS SHOWN. NO TOPSOIL IS TO BE SPREAD ON THIS AREA.
4. PROJECT GRADING LIMITS ARE AS SHOWN.

ESC NOTES:

1. EARTHWORKS FOR CRYSTAL CREEK STAGE 1 IS TO BE COMPLETED PRIOR TO DEEP UTILITY INSTALLATIONS. HOWEVER, IF DELAYS ARE ENCOUNTERED DURING THE EARTHWORKS PROGRAM, THE DEEP UTILITY SCOPE OF WORK MAY PROCEED BEFORE THE EARTHWORKS SCOPE IF FULLY COMPLETE. RELEVANT ESC MEASURES SHOWN ARE TO BE INSTALLED DURING THE EARTHWORKS PROGRAM.
2. CONSTRUCTION ACCESS FOR STAGE 1 WILL BE BY WAY OF 50 AVENUE / HIGHWAY 39 AND OFF OF 69 STREET.
3. TRACKING OF MUD AND DEBRIS ONTO THE EXISTING ROADWAYS IS TO BE AVOIDED. CONTRACTORS ARE TO MANUALLY CLEAN VEHICLES ONSITE PRIOR TO ENTERING EXISTING ROADWAYS TO PREVENT TRACKING OF MUD AND DEBRIS. ANY MATERIAL THAT IS TRACKED ONTO AN EXISTING ROADWAY IS TO BE CLEANED BY THE CONTRACTOR.
4. PROPOSED CATCH BASINS ARE TO HAVE FILTER FABRIC PLACED UNDER THE COVER IMMEDIATELY FOLLOWING INSTALLATION COMPLETION.
5. EXISTING CATCH BASINS ARE TO HAVE ROCK SOCKS INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
6. FOLLOWING COMPLETION OF PROPOSED ROADWAYS, ANY FILTER FABRIC UNDER CATCH BASIN COVERS IS TO BE REPLACED WITH ROCK SOCKS UNTIL BOULEVARD LANDSCAPING IS COMPLETE AND ESTABLISHED.
7. AFTER RAINFALL EVENTS DE-WATERING OF THE SITE MAY BE REQUIRED BY THE CONTRACTOR. THE CONTRACTOR IS TO MONITOR DE-WATERING TO ENSURE SEDIMENTS AND DEBRIS DO NOT ENTER THE STORM SEWER SYSTEM.
8. FRESHLY SEEDED AREAS ARE TO BE PROTECTED BY INSTALLING SILT FENCE TO PREVENT SEDIMENTATION.
9. ESC DEVICES (ROCK SOCKS, FILTER FABRIC, AND SILT FENCES) ARE TO BE MONITORED AND MAINTAINED AFTER RAINFALL EVENTS AND DURING PERIODIC SITE INSPECTIONS. ESC DEVICES ARE TO REMAIN INTACT UNTIL PERTINENT LANDSCAPING IS COMPLETE AND ESTABLISHED.

GUTTER SEDIMENT BARRIER DETAIL
N.T.S.

SILT FENCE TRENCH DETAIL
N.T.S.

SILT FENCE DETAIL
N.T.S.

LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	RIGHT-OF-WAY	
	CURB AND GUTTER	
	SEPARATE WALK	
	ASPHALT TRAIL	
	SHOULDER	
	DITCH	
	CULVERT	
GAS GAS	HIGH-PRESSURE PIPE LINE	

EXISTING		PROPOSED
	VALVE	
	HYDRANT	
	MANHOLE	
	CURB STOP	
	CATCH BASIN	
	TRANSFORMER	
	SWITCHING CUBICAL	
	PEDESTAL	
	LIGHT STANDARD	
	T-BOLLARDS	

EXISTING		PROPOSED
23.87	LOT GRADES	23.87
	MAJOR DRAINAGE ROUTE	
	INSTALL SILT FENCE	
	INSTALL SAFETY FENCE	
	INSTALL FILTER FABRIC IN CATCH BASIN COVER	
	INSTALL ROCK SOCK AROUND CATCH BASIN	
716.5	EXISTING GROUND CONTOURS	

NO.	REVISION	DATE	BY
6.	ISSUED FOR CONSTRUCTION DRAWINGS	AUG 20/20	KBA
5.	ISSUED FOR TENDER DRAWINGS	JUL 09/20	KBA
4.	REVISIONS PER CITY COMMENTS	JUN 30/20	KBA
3.	2nd SUBMISSION FOR CITY/CLIENT REVIEW	JUN 12/20	KBA
2.	REVISIONS PER CITY COMMENTS	MAY 29/20	KBA
1.	1st SUBMISSION FOR CITY/CLIENT REVIEW	MAY 04/20	KBA

10 0 10 20 30

PERMIT TO PRACTICE
AL-TERRA ENGINEERING LTD.
Signature
Date August 20, 2020
PERMIT NUMBER: P 2104
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
KELLY BLUE ALSAGER
Aug. 20, 2020

Al-Terra Engineering Ltd.

GRADING, DRAINAGE & ESC PLAN

DESIGN:	KBA	CHECKED:	KBA	JOB NO:	1902
DRAWN BY:	VM	APPROVED:	KBA	DRAWING NO.	
SCALE:	1:750	DATE:	APRIL 2020		1902-G5

CRYSTAL CREEK
STAGE 1
BY
THE CITY OF LEDUC

CITY OF Leduc