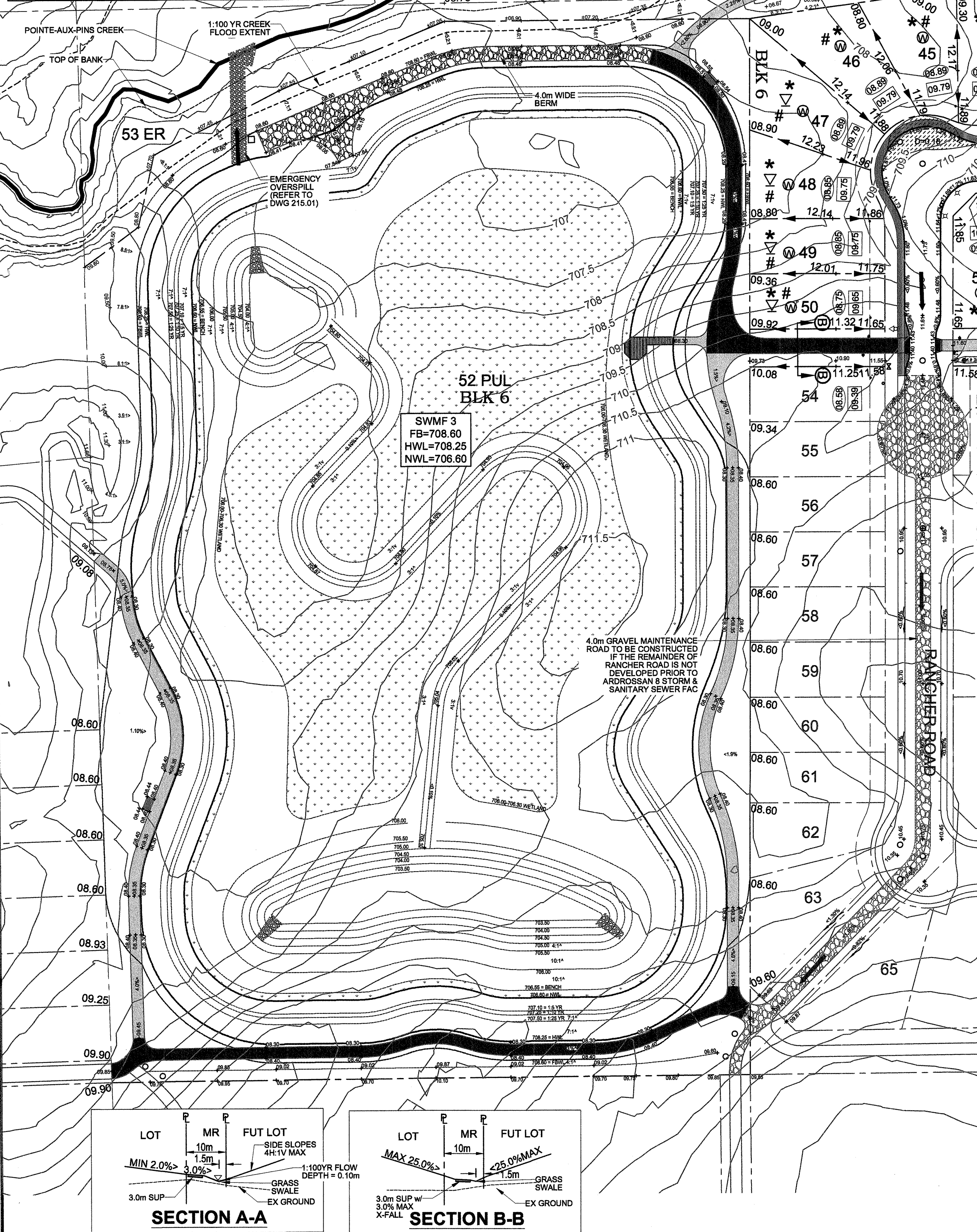


LAND DEVELOPMENT ENGINEERING REVIEW AND ACCEPTANCE OF THE LOT GRADING PLAN RELATES EXCLUSIVELY TO THE SURFACE DRAINAGE DESIGN, AND DOES NOT ADDRESS REQUIREMENTS FOR BUILDING FOUNDATIONS OR ANY OTHER USE OF THE LANDS, AND DOES NOT IMPLY THE SUITABILITY OF THE GROUND OR FILLS FOR ANY FOUNDATION REQUIREMENTS OR OTHER USE. IT IS THE OWNER OR THE BUILDER'S RESPONSIBILITY TO EMPLOY THE SERVICES OF A QUALIFIED GEOTECHNICAL CONSULTANT TO DETERMINE GROUND AND SUBSURFACE CONDITIONS THAT MAY AFFECT FOUNDATION DESIGN OR OTHER USE REQUIREMENTS.



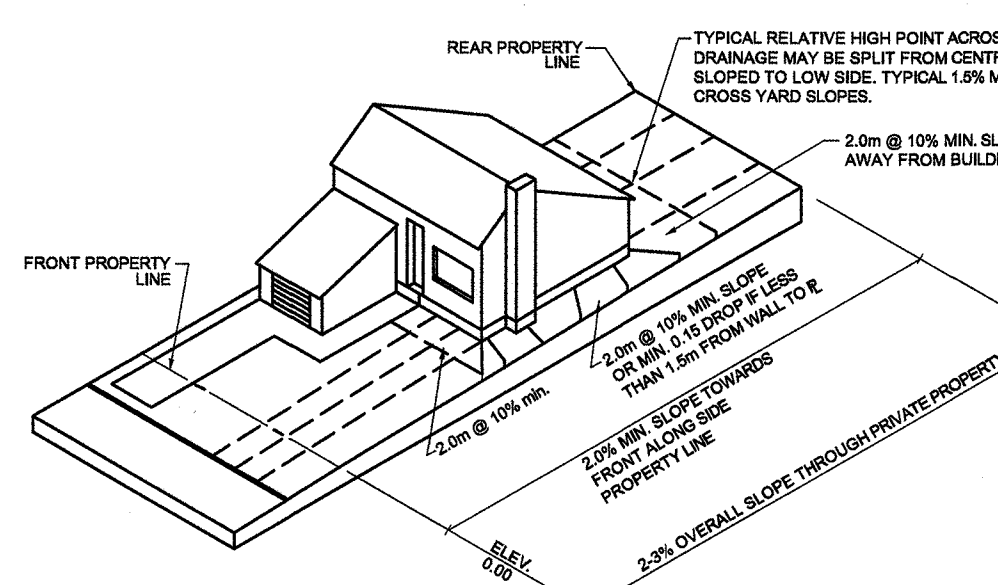
NOTES:

1. ALL HOUSES MUST HAVE SUMP PUMP FOR WEeping TILE WITH CONNECTION TO THE SUMP PUMP DISCHARGE COLLECTION SERVICE AND EMERGENCY DISCHARGE TO SURFACE.
2. # LOTS MARKED WITH THIS SYMBOL HAVE PART OF THE LOT DRAINING TO THE REAR. FOR THESE LOTS, ROOF DRAINS MUST BE DIRECTED TO THE FRONT OF THE LOT.
3. EXISTING GROUND CONTOURS SURVEYED BY PALS GEOMATICS IN NOVEMBER 2017.
4. DETAILED GRADING PLAN FOR INDIVIDUAL LOTS TO BE SUBMITTED TO COUNTY BY BUILDERS.
5. DISTURBED SUBGRADE RESTRICTIVE COVENANT - BUILDERS/HOMEOWNERS MUST CONDUCT A GEOTECHNICAL EVALUATION PRIOR TO CONSTRUCTION OF HOUSE FOUNDATION DUE TO POSSIBLE SUBGRADE DISTURBANCE.
6. * LOTS MARKED WITH THIS SYMBOL MAY HAVE MORE THAN 1.2m OF FILL WITHIN THE BUILDING POCKET AREA.
7. √ LOTS MARKED WITH THIS SYMBOL ARE TO HAVE THEIR LOWEST FOOTING ELEVATION A MINIMUM OF 0.50m ABOVE THE HIGH WATER LEVEL OF SWMF LOWEST BOTTOM OF FOOTING ELEVATION TO BE 708.75. ANY PORTION OF THE FOUNDATION BELOW THE HIGH WATER LINE TO BE WATERPROOFED. A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED FOR EACH SITE SPECIFIC FOOTING/FOUNDATION DESIGN TO TAKE INTO ACCOUNT THE SOIL COEFFICIENT OF PERMEABILITY AND ANY POTENTIAL HYDROSTATIC PRESSURE DUE TO GROUND WATER.

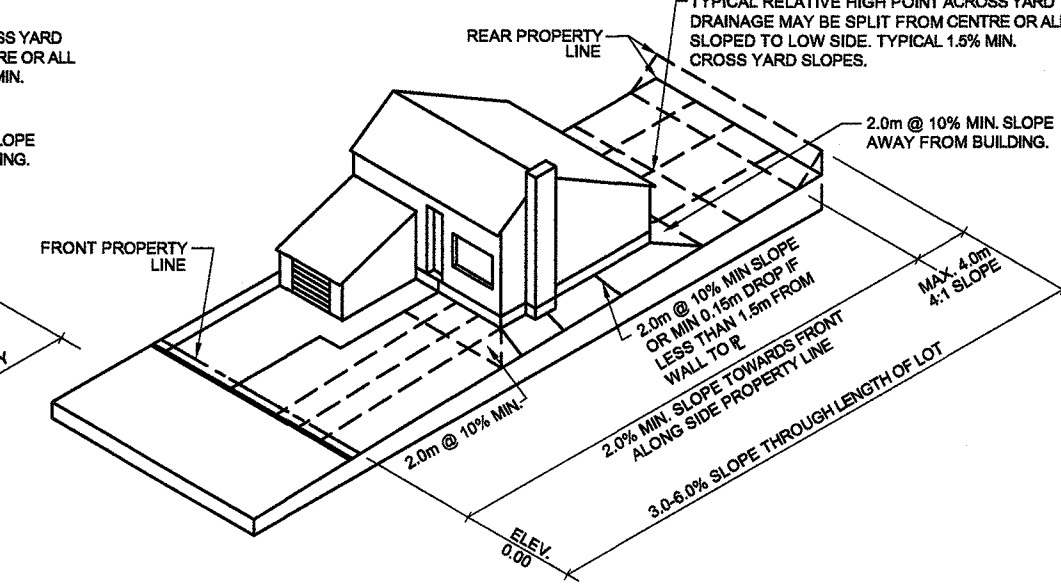
WALKOUT BASEMENT TYPE W

TYPE W DENOTES LOT THAT MAY NEED EXTRA STEPS TO BE FULL WALKOUT

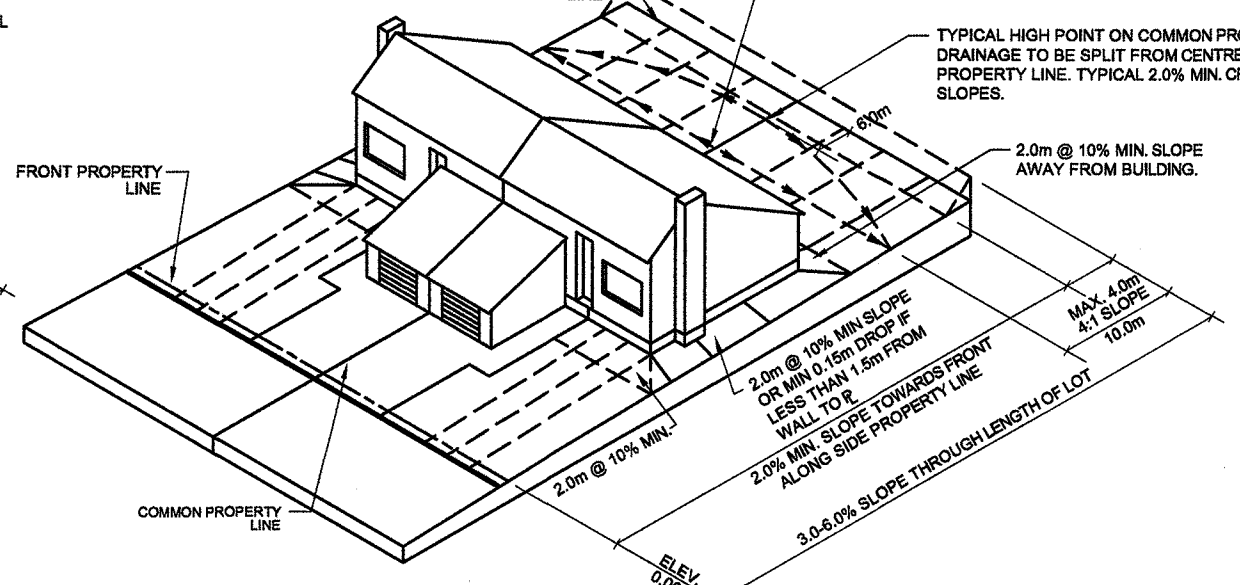
2.0-3.0% OVERALL LOT SLOPE REAR TO FRONT DRAINAGE TYPE A



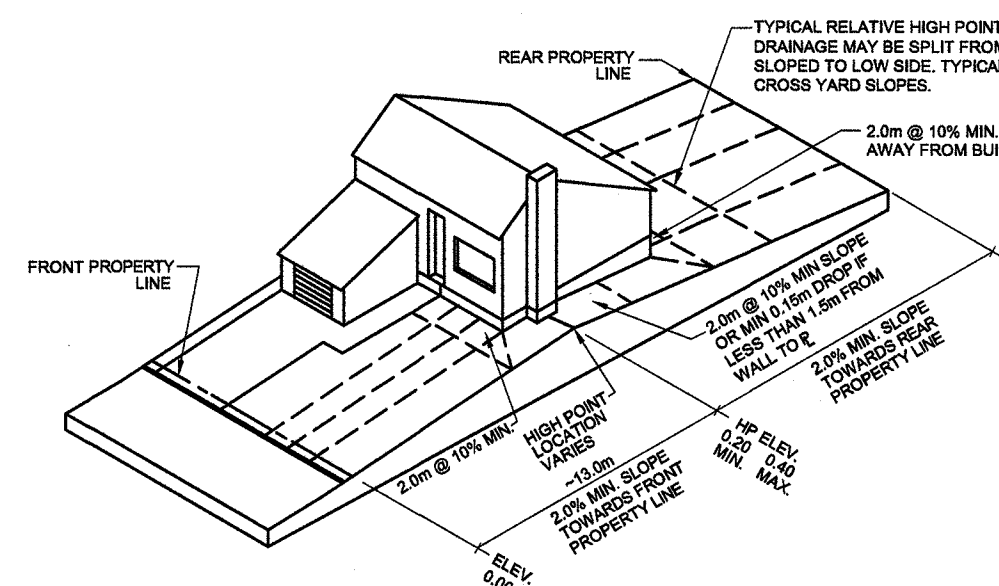
3.0-6.0% OVERALL LOT SLOPE REAR TO FRONT DRAINAGE TYPE B



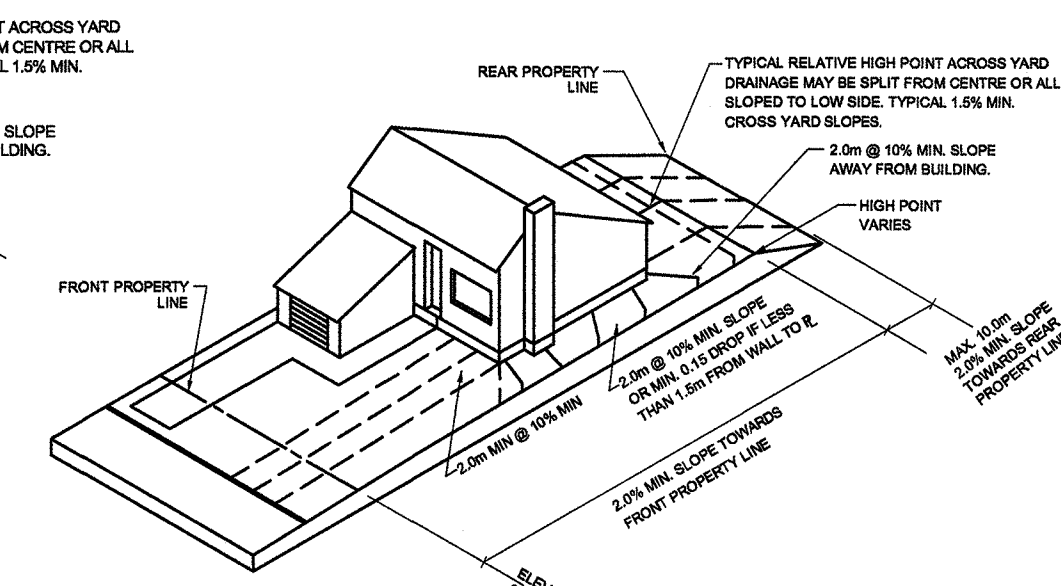
3.0-6.0% OVERALL LOT SLOPE REAR TO FRONT DRAINAGE TYPE B1



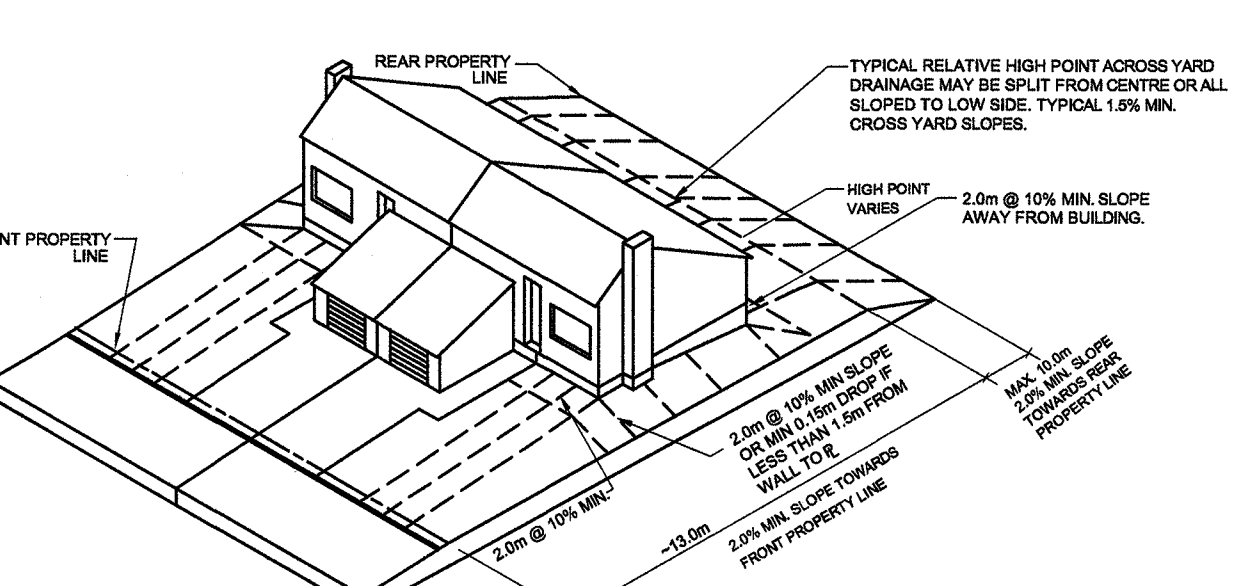
SPLIT DRAINAGE @ FRONT TO MID LOT TYPE S



SPLIT DRAINAGE @ REAR OF LOT TYPE R



SPLIT DRAINAGE @ REAR OF LOT TYPE R1



EXISTING	LEGEND	PROPOSED	FUTURE	EXISTING	PROPOSED	EXISTING	PROPOSED
PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	VALVE	VALVE	VALVE	VALVE
RIGHT OF WAY LINE	RIGHT OF WAY LINE	RIGHT OF WAY LINE	RIGHT OF WAY LINE	HYDRANT	HYDRANT	HYDRANT	HYDRANT
CURB AND GUTTER	CURB AND GUTTER	CURB AND GUTTER	CURB AND GUTTER	MANHOLE	MANHOLE	MANHOLE	MANHOLE
SIDEWALK	SIDEWALK	SIDEWALK	SIDEWALK	CURB STOP	CURB STOP	CURB STOP	CURB STOP
LOT GRADES	LOT GRADES	LOT GRADES	LOT GRADES	CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN
ORIGINAL GROUND	ORIGINAL GROUND	ORIGINAL GROUND	ORIGINAL GROUND	PEDESTAL	PEDESTAL	PEDESTAL	PEDESTAL
CONTOURS	CONTOURS	CONTOURS	CONTOURS	VAULT	VAULT	VAULT	VAULT
GRASS SWALE	GRASS SWALE	GRASS SWALE	GRASS SWALE	LIGHT STANDARD	LIGHT STANDARD	LIGHT STANDARD	LIGHT STANDARD
MAJOR DRAINAGE ROUTE	MAJOR DRAINAGE ROUTE	MAJOR DRAINAGE ROUTE	MAJOR DRAINAGE ROUTE	POWER POLES	POWER POLES	POWER POLES	POWER POLES
				T-BOLLARDS	T-BOLLARDS	T-BOLLARDS	T-BOLLARDS

NO.	REVISION	DATE	BY
1.	1st SUBMISSION FOR COUNTY/CLIENT REVIEW	FEB 26/21	KBA
2.	2nd SUBMISSION FOR COUNTY/CLIENT REVIEW	MAY 14/21	KBA
3.	3rd SUBMISSION FOR COUNTY APPROVAL	JUL 19/21	KBA

DESIGN:	WJ	CHECKED:	KBA	JOB NO:	666-031
DRAWN BY: <td>VM<td>APPROVED:<td>KBA<td>DRAWING NO.<td></td></td></td></td></td>	VM <td>APPROVED:<td>KBA<td>DRAWING NO.<td></td></td></td></td>	APPROVED: <td>KBA<td>DRAWING NO.<td></td></td></td>	KBA <td>DRAWING NO.<td></td></td>	DRAWING NO. <td></td>	
SCALE: <td>1:750<td>DATE:<td>JANUARY 2021<td><td>666-031-205</td></td></td></td></td>	1:750 <td>DATE:<td>JANUARY 2021<td><td>666-031-205</td></td></td></td>	DATE: <td>JANUARY 2021<td><td>666-031-205</td></td></td>	JANUARY 2021 <td><td>666-031-205</td></td>	<td>666-031-205</td>	666-031-205

PERMIT TO PRACTICE
AL-TERRA ENGINEERING LTD
R/S SIGNATURE: *[Signature]*
R/S APEGA ID #: 71155
DATE: JUN 20, 2021
PERMIT NUMBER: P002104
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

PROFESSIONAL ENGINEER
L. J. BROOKS
MEMBER: 11011
July 20/21

ARDROSSAN STAGE 8
BY
ARDROSSAN EAST LTD.
IN
STRATHCONA COUNTY