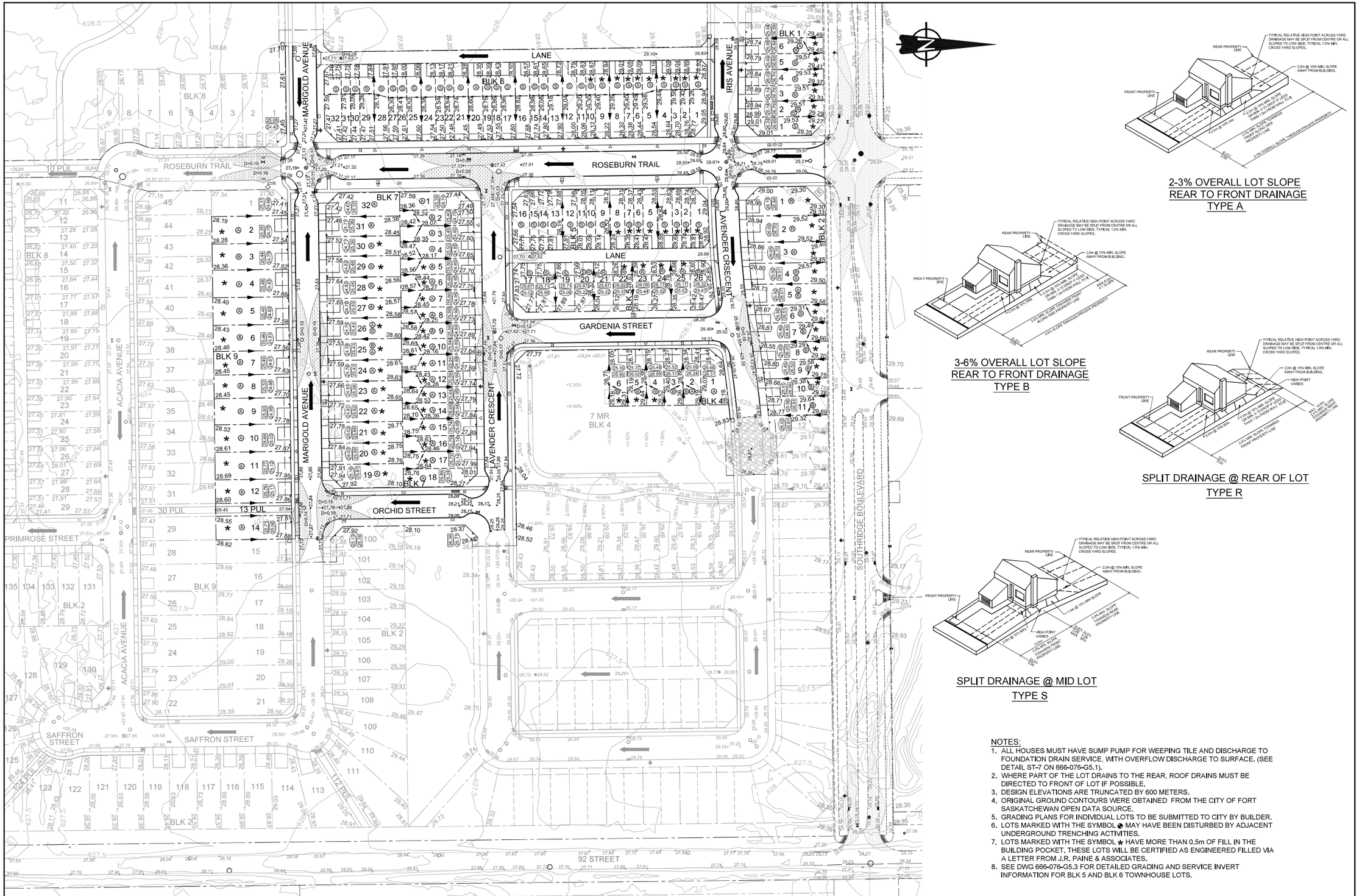

2-3% OVERALL LOT SLOPE
REAR TO FRONT DRAINAGE
TYPE A

3-6% OVERALL LOT SLOPE
REAR TO FRONT DRAINAGE
TYPE B

SPLIT DRAINAGE @ REAR OF LOT
TYPE R

SPLIT DRAINAGE @ MID LOT
TYPE S

NOTES:
1. ALL HOUSES MUST HAVE SUMP PUMP FOR WEEPING TILE AND DISCHARGE TO FOUNDATION DRAIN SERVICE, WITH OVERFLOW DISCHARGE TO SURFACE. (SEE DETAIL ST-7 ON 666-076-G5.1).
2. WHERE PART OF THE LOT DRAINS TO THE REAR, ROOF DRAINS MUST BE DIRECTED TO FRONT OF LOT IF POSSIBLE.
3. DESIGN ELEVATIONS ARE TRUNCATED BY 600 METERS.
4. ORIGINAL GROUND CONTOURS WERE OBTAINED FROM THE CITY OF FORT SASKATCHEWAN OPEN DATA SOURCE.
5. GRADING PLANS FOR INDIVIDUAL LOTS TO BE SUBMITTED TO CITY BY BUILDER.
6. LOTS MARKED WITH THE SYMBOL ◕ MAY HAVE BEEN DISTURBED BY ADJACENT UNDERGROUND TRENCHING ACTIVITIES.
7. LOTS MARKED WITH THE SYMBOL ★ HAVE MORE THAN 0.5m OF FILL IN THE BUILDING POCKET. THESE LOTS WILL BE CERTIFIED AS ENGINEERED FILLED VIA A LETTER FROM J.R. PAINE & ASSOCIATES.
8. SEE DWG 666-076-G5.3 FOR DETAILED GRADING AND SERVICE INVERT INFORMATION FOR BLK 5 AND BLK 6 TOWNHOUSE LOTS.

LEGEND

EXISTING		PROPOSED	FUTURE
	PROPERTY LINE		
	CURB AND GUTTER		
	CONCRETE WALK		
	ASPHALT TRAIL		
23.87	LOT GRADES	23.87	23.87
	MAJOR DRAINAGE ROUTE		
	DIRECTION OF DRAINAGE		

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

EXISTING		PROPOSED
D=0.22	100 YEAR STORM PONDING	D=0.22
39.95	STM SERVICE INVERT AT PROPERTY LINE	39.95
39.96	SAN SERVICE INVERT AT PROPERTY LINE	39.96
S	LOT TYPES	S
743.00	ORIGINAL GROUND CONTOURS	
	GRASS SWALE	

NO.	REVISION	DATE	BY
5	3rd SUBMISSION FOR CITY APPROVAL	DEC 22/25	NAS
4	REVISED PER CITY COMMENTS	OCT 09/25	NAS
3	2nd SUBMISSION FOR DU APPROVAL	AUG 20/25	NAS
2	REVISED PER CITY COMMENTS	AUG 17/25	NAS
1	1st SUBMISSION FOR CITY/CLIENT REVIEW	JUL 16/25	NAS

PERMIT TO PRACTICE
AL-TERRA ENGINEERING LTD
RM SIGNATURE:
RM APEGA ID #: M71155
DATE: 2025-Dec-23
PERMIT NUMBER: P002104
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

0 10 20 30

PROFESSIONAL ENGINEER ALBERTA NICHOLAS ANDREW PAINE
23 December 2025
ID #: 110378

Al-Terra

LOT GRADING & SURFACE DRAINAGE PLAN - ON-SITE

DESIGN:	NAS	CHECKED:	NAS	JOB NO:	666-076
DRAWN BY:	VM	APPROVED:	KBA	DRAWING NO.	
SCALE:	1:800	DATE:	JULY 2025		666-076-G5.2

ROSEBURN
STAGE 1A
BY
STRATA
ROSEBURN LP
IN

CITY OF FORT SASKATCHEWAN