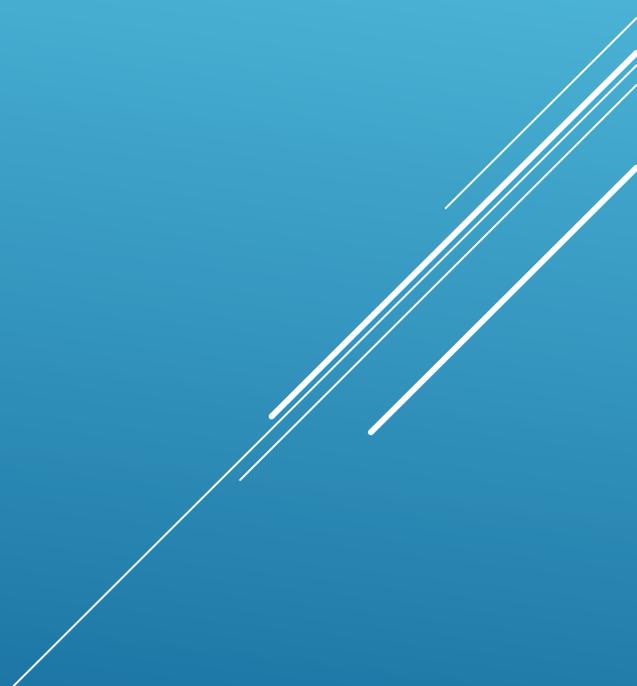


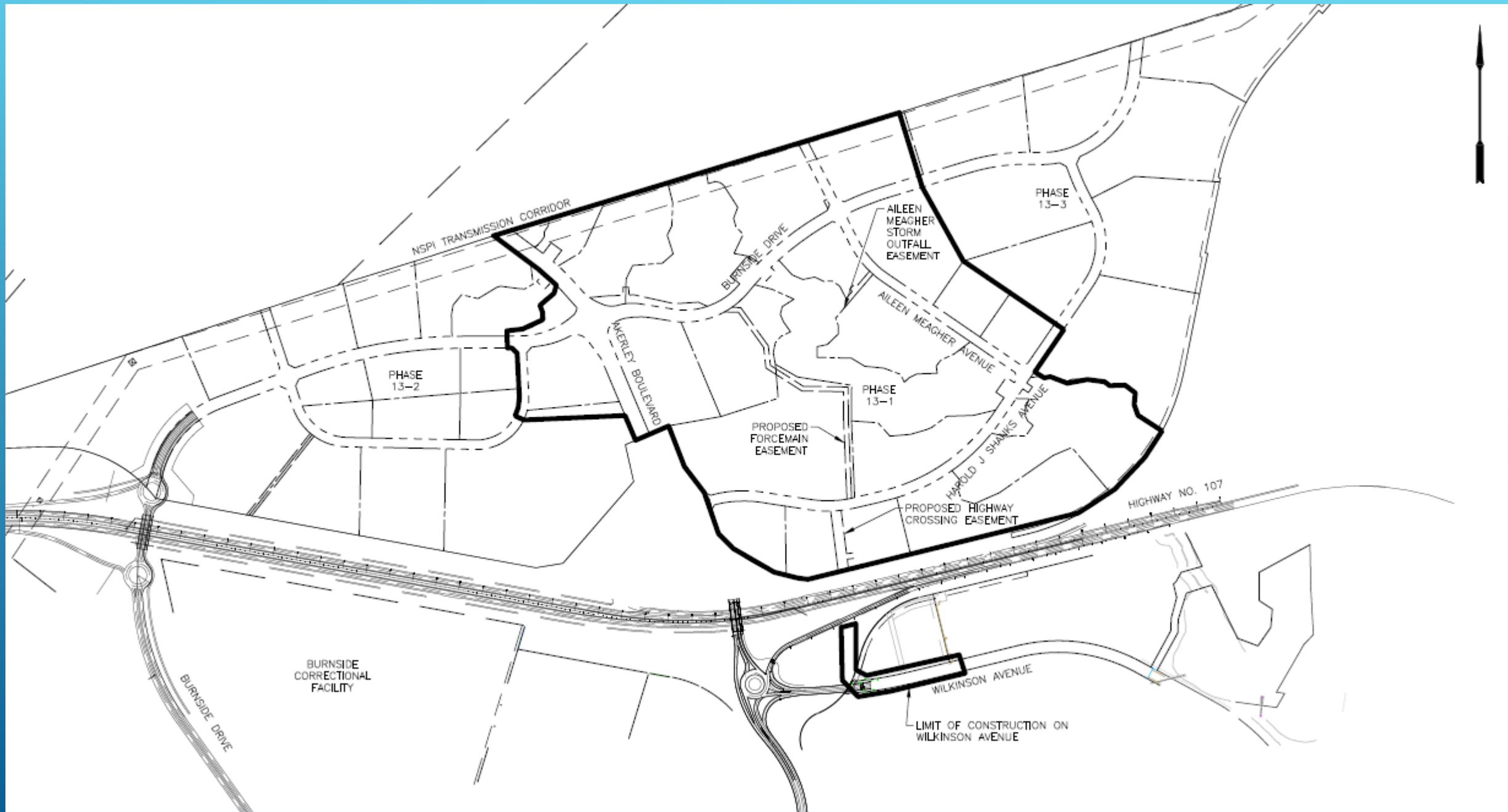
Item 10.2.1

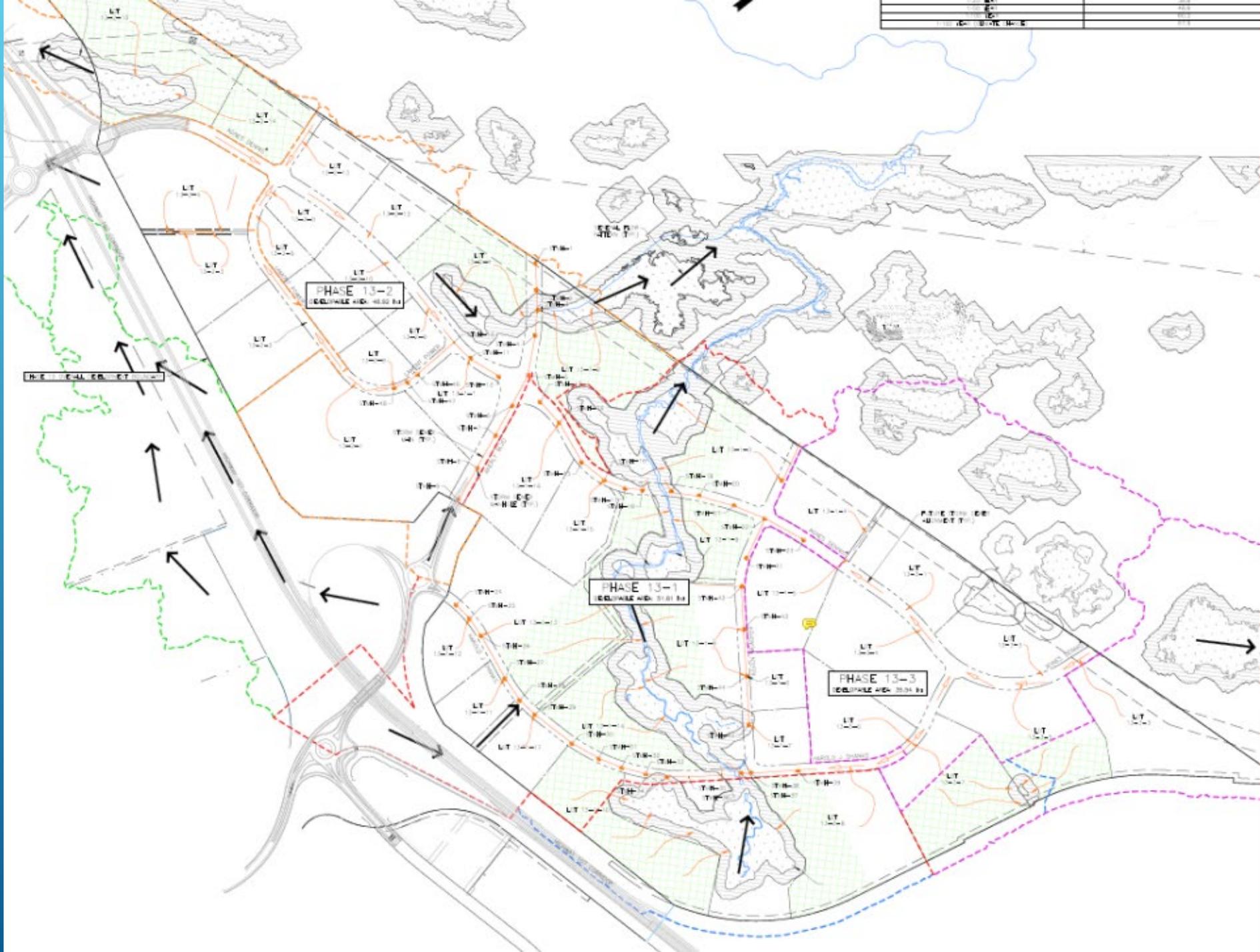
BURNSIDE PHASE 13

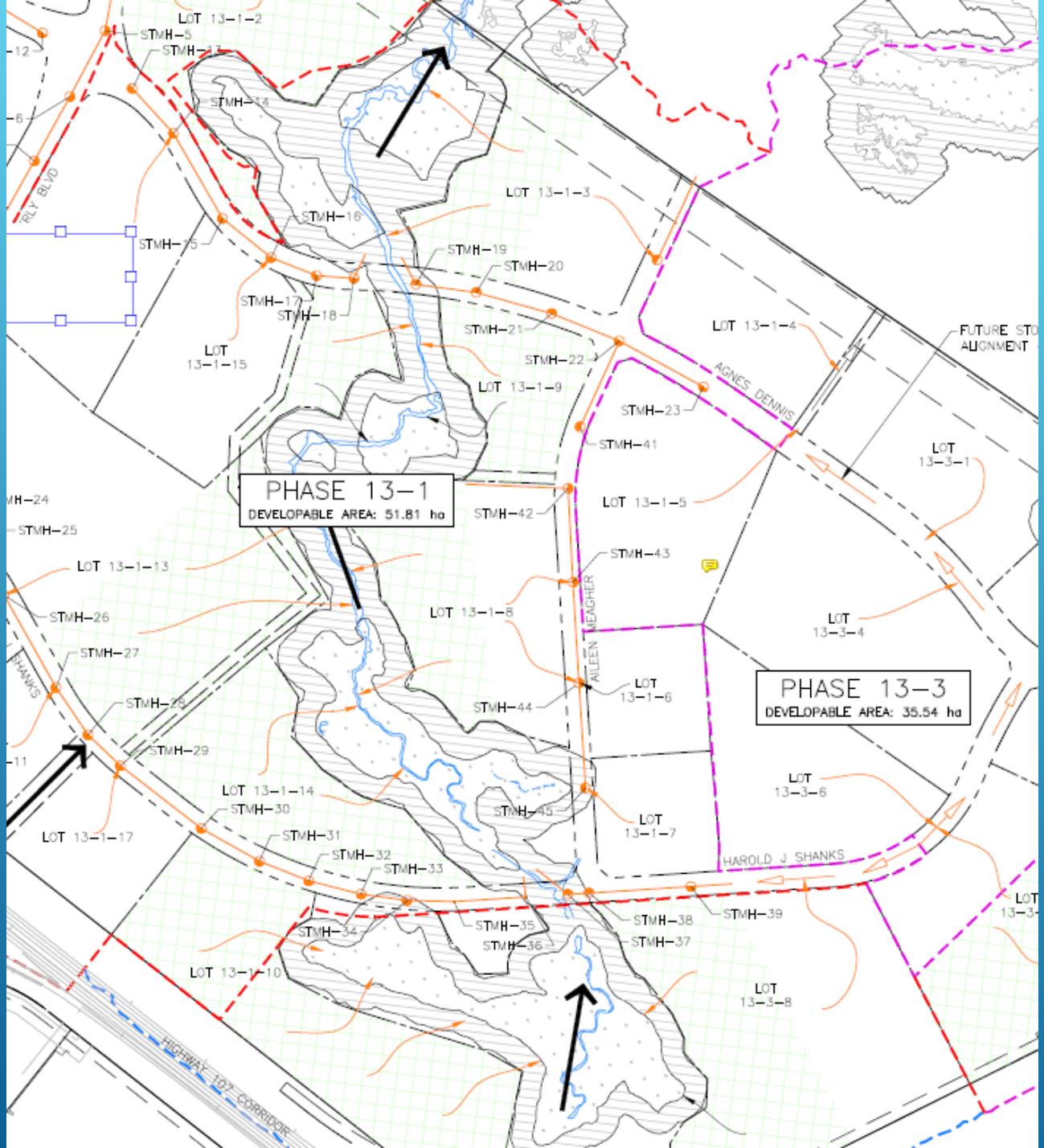
Regional Watershed Advisory Board

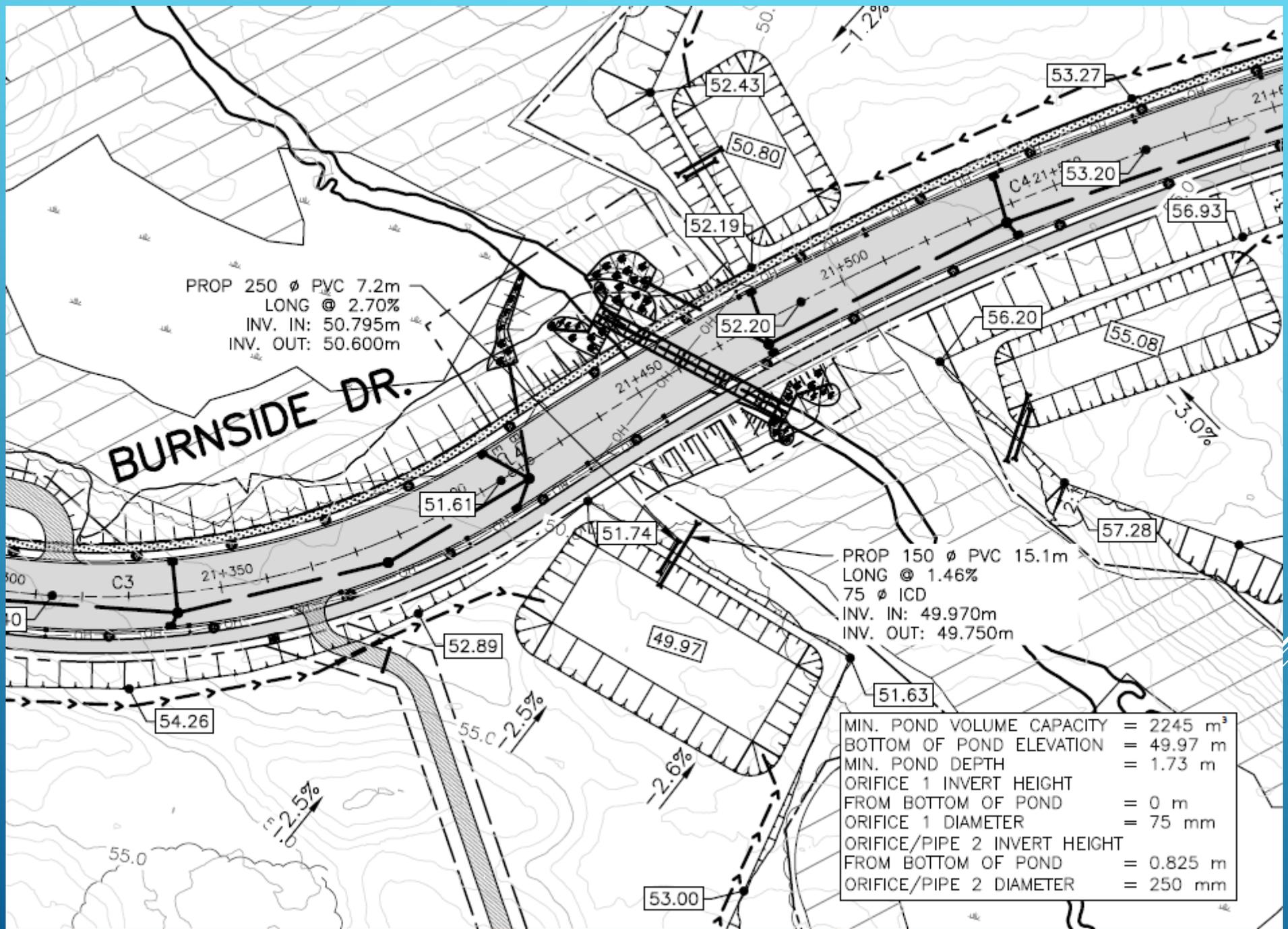












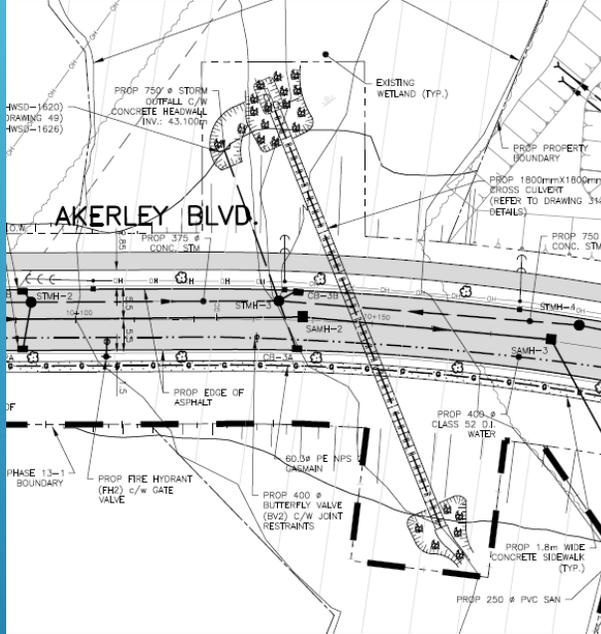
PROP 250 ϕ PVC 7.2m
 LONG @ 2.70%
 INV. IN: 50.795m
 INV. OUT: 50.600m

BURNSIDE DR.

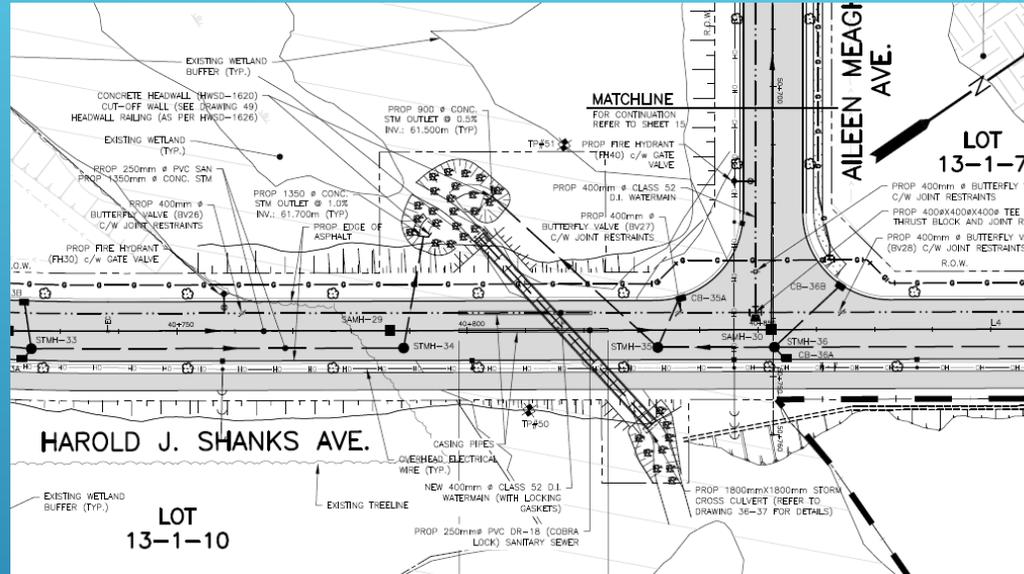
PROP 150 ϕ PVC 15.1m
 LONG @ 1.46%
 75 ϕ ICD
 INV. IN: 49.970m
 INV. OUT: 49.750m

MIN. POND VOLUME CAPACITY	= 2245 m ³
BOTTOM OF POND ELEVATION	= 49.97 m
MIN. POND DEPTH	= 1.73 m
ORIFICE 1 INVERT HEIGHT FROM BOTTOM OF POND	= 0 m
ORIFICE 1 DIAMETER	= 75 mm
ORIFICE/PIPE 2 INVERT HEIGHT FROM BOTTOM OF POND	= 0.825 m
ORIFICE/PIPE 2 DIAMETER	= 250 mm

Akerley Blvd



Harold J Shanks



CULVERTS

How will stormwater be managed during construction?

Contractor is required to prepare and submit an Environmental Protection Plan developed (EPP) by an independent Environmental Engineer to HRM standards that will clearly identify how construction runoff will be managed and treated throughout the construction period.

How will it be collected, contained, and treated, and to where will it ultimately be discharged?

In accordance with the EPP which is presently under development by the Contractor's consultant. EPP will be prepared in accordance with HRM's standards.

During the subsequent operational phase of the development, following the installation of infrastructure, to where will stormwater from this site be directed? Will this site be connected to the existing stormwater collection system in Burnside, or will stormwater from the new site be discharged to the environment in some local location (to natural watercourses or lakes)?

Stormwater from the development will discharge to its natural location, in a watercourse (McGregor's Brook) with outfalls in several locations. Each drainage basin was designed to mimic the natural drainage area and to limit peak runoff to predevelopment conditions. In the short term, prior to sale and development of each individual lot, temporary storage basins have been provided for each lot to reduce the runoff rate to the preconstruction rate. Once a lot is sold, the developer of that lot will be responsible for the permanent storm water management features including stormwater retention to meet the net -zero increase in runoff.

If it will be connected to the existing Burnside stormwater collection system, does that system have adequate capacity to convey and treat the additional stormwater prior to discharge (which I believe is currently to Lakes Micmac/Banook)?

New collection system is not connected to the existing Burnside collection system.

If there are to be any new discharge points for stormwater to the natural environment, where will they be, how will that stormwater be treated, and what are the predicted impacts to the receiving waters?

There are three new discharge points to MacGregor's Brook. During construction, the Contractor will manage runoff via the EPP measures that have been designed for the project. After completion of construction of the development and before the final development of each individual lot, temporary storage ponds have been provided to reduce runoff rate. Final development of the individual lots will require adherence to HRM's policies for net-zero runoff and treatment requirements.