

## AGENDA

- Access Drive Layout Options and Recommendations
- DPW Facility Layout



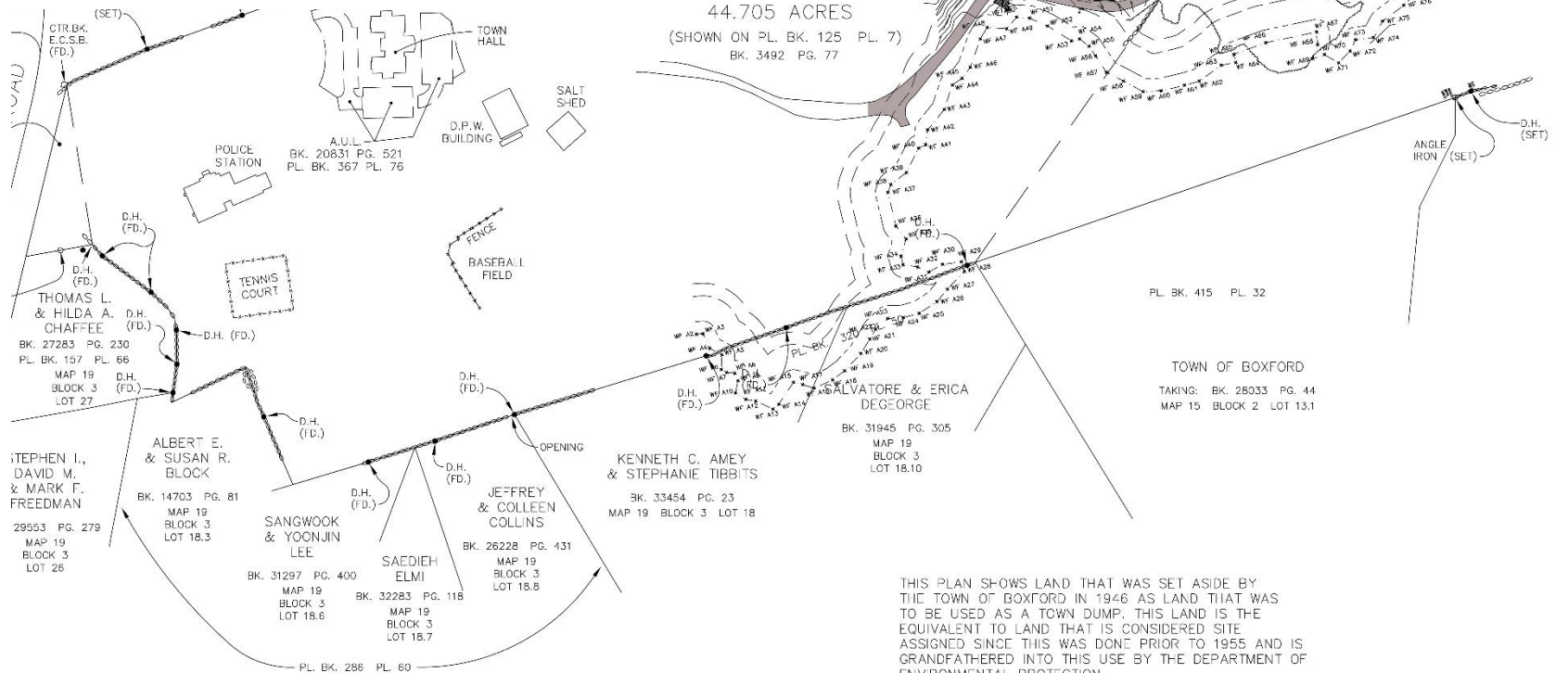
## TOWN OF BOXFORD

Targeted Facilities Masterplan / Conservation Commission Presentation

02 August 2018

# SITE INVESTIGATION

- BOUNDARY SURVEY
- WETLAND DELINEATION
- LANDFILL AS-BUILT PLAN
- ACCESS DRIVE SURVEY
- SITE 1 SURVEY
- BALANCE OF ACCESS DRIVE SURVEY
- **GEOTECHNICAL BORINGS**



SITE PLAN



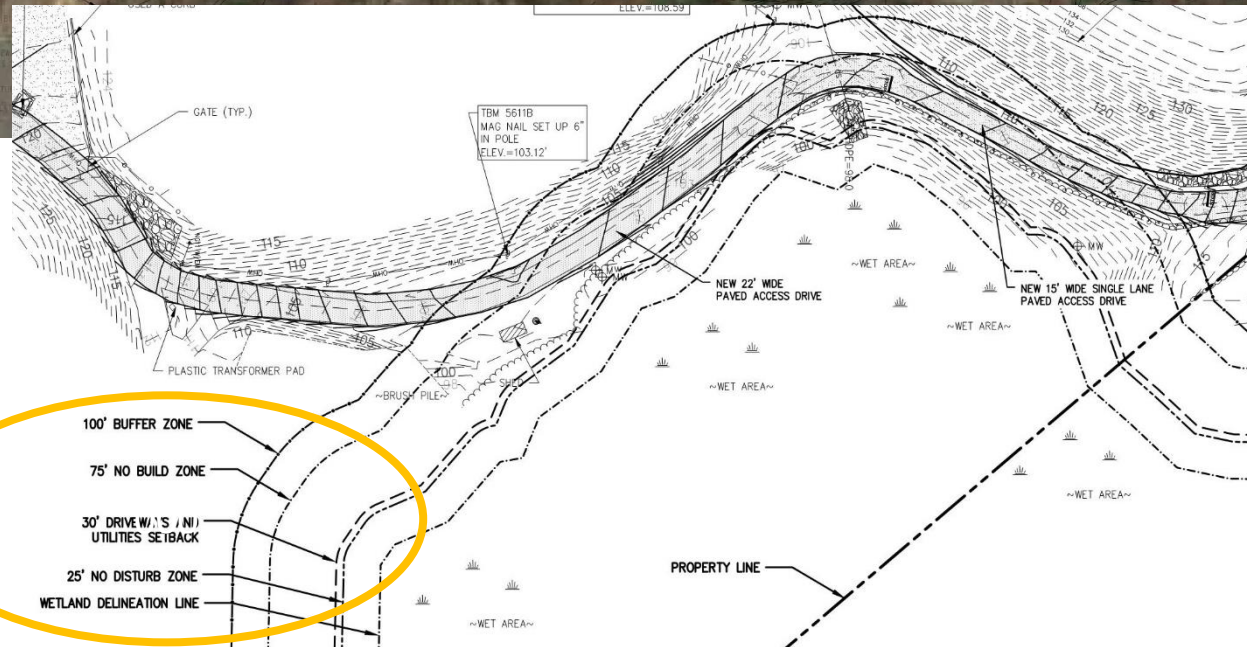
ACCESS DRIVE



# SITE PLAN: 30' WETLAND SETBACK



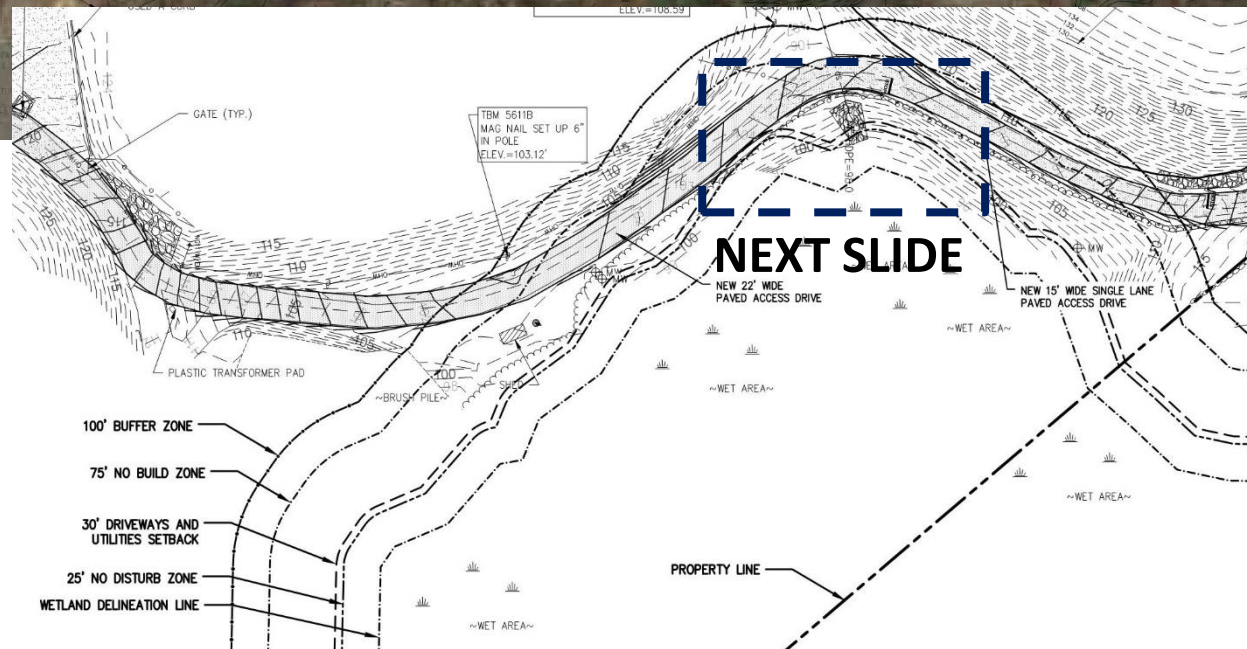
# SITE PLAN: 30' WETLAND SETBACK



ACCESS DRIVE

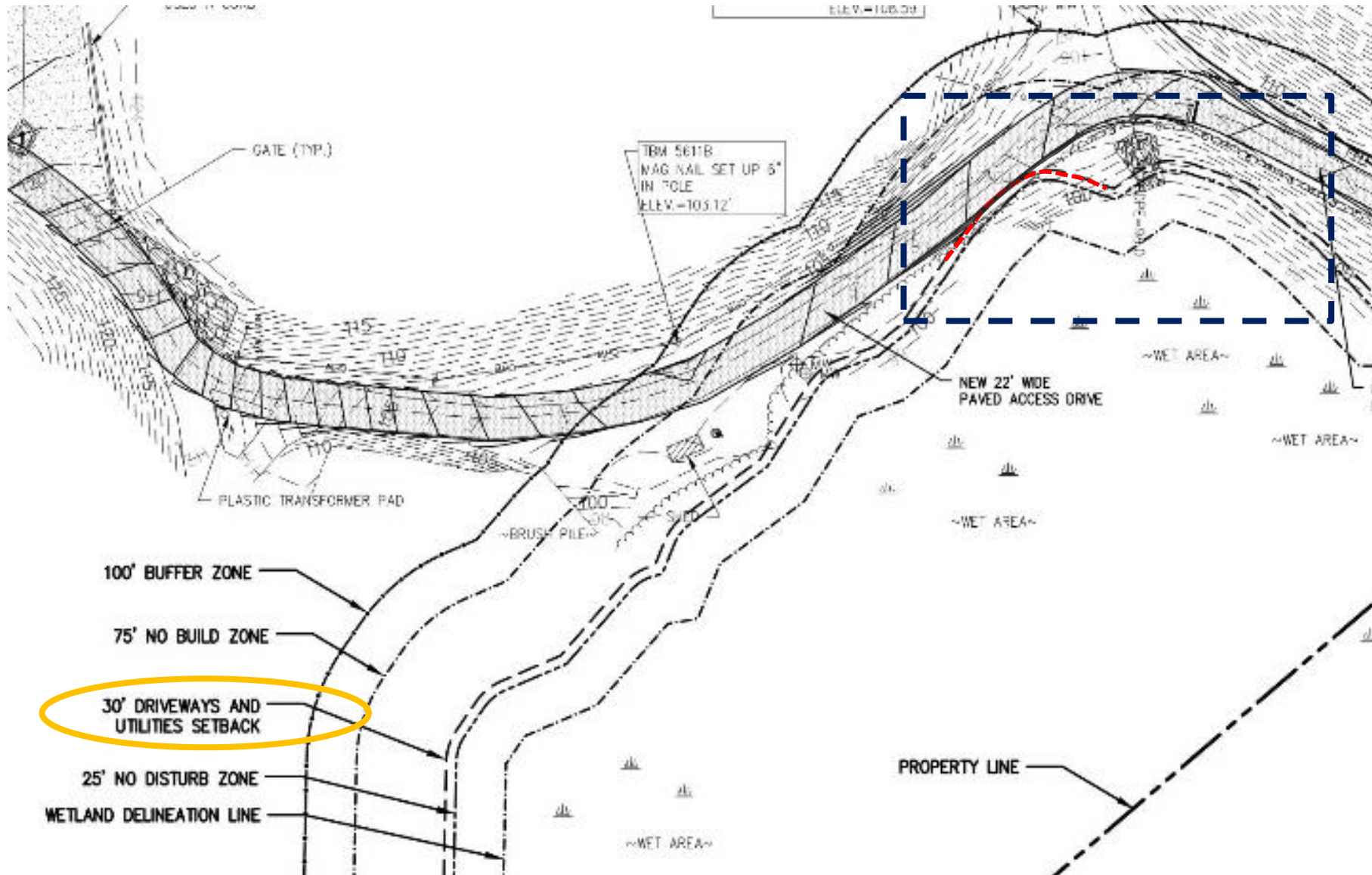


## SITE PLAN: 30' WETLAND SETBACK



# ACCESS DRIVE

## SITE PLAN: 30' WETLAND SETBACK





# SITE PLAN: ACCESS DRIVE LAYOUT OPTIONS



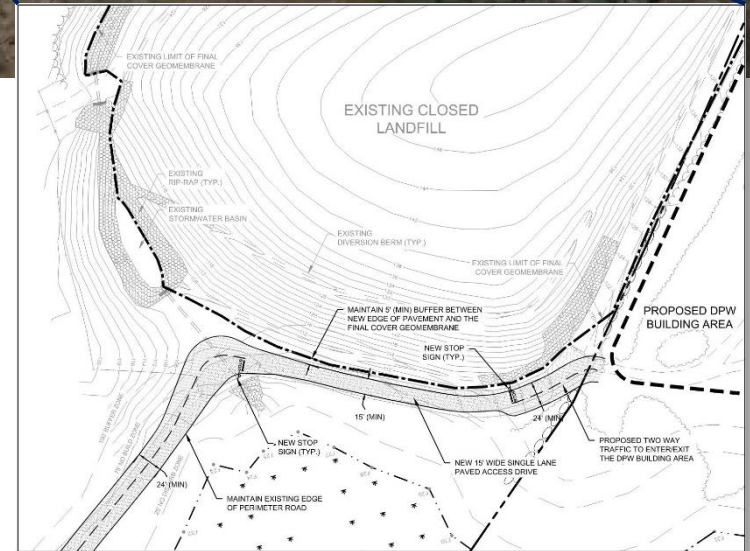
ACCESS DRIVE



# SITE PLAN: ACCESS DRIVE LAYOUT OPTIONS

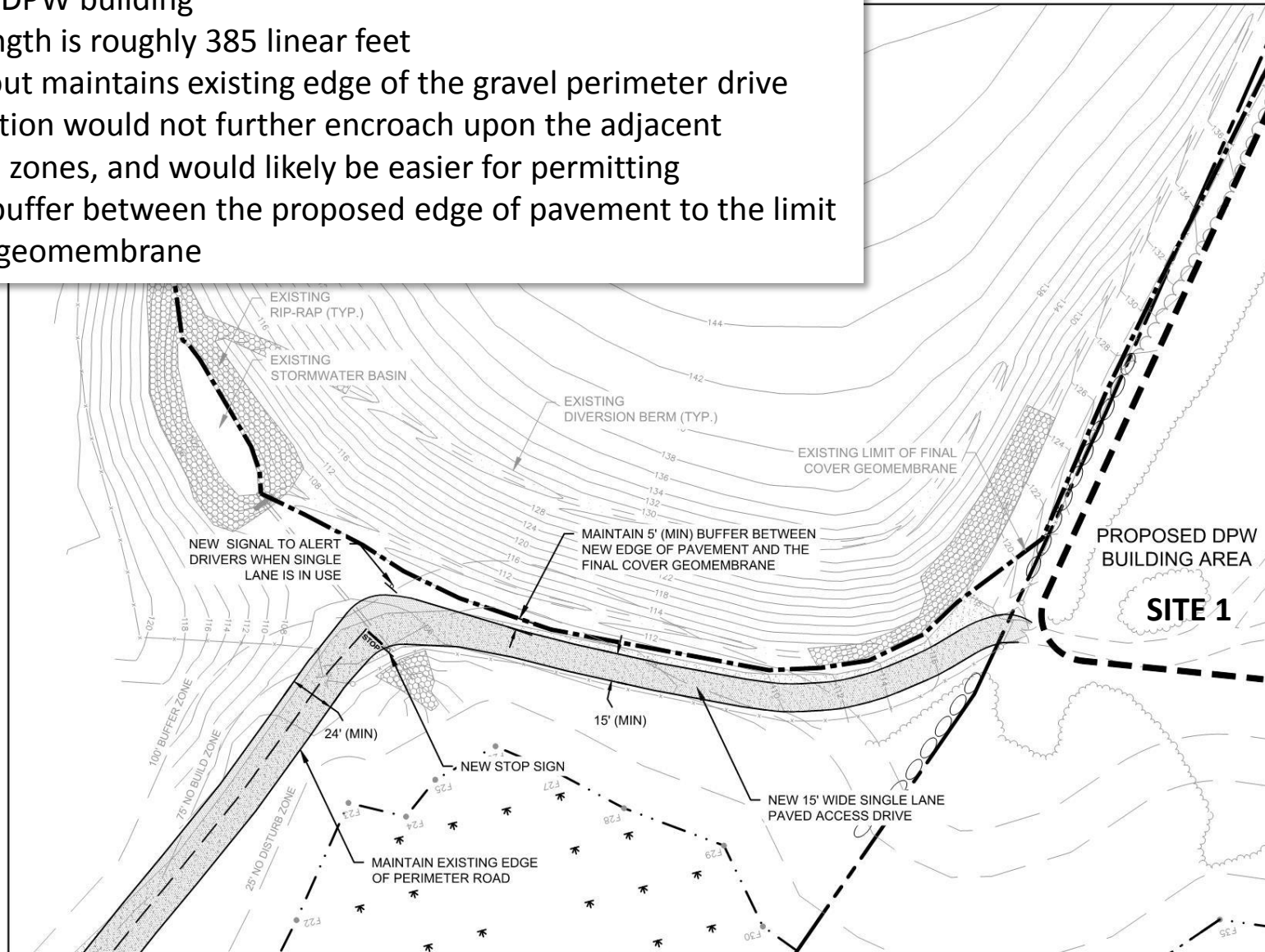


ACCESS DRIVE



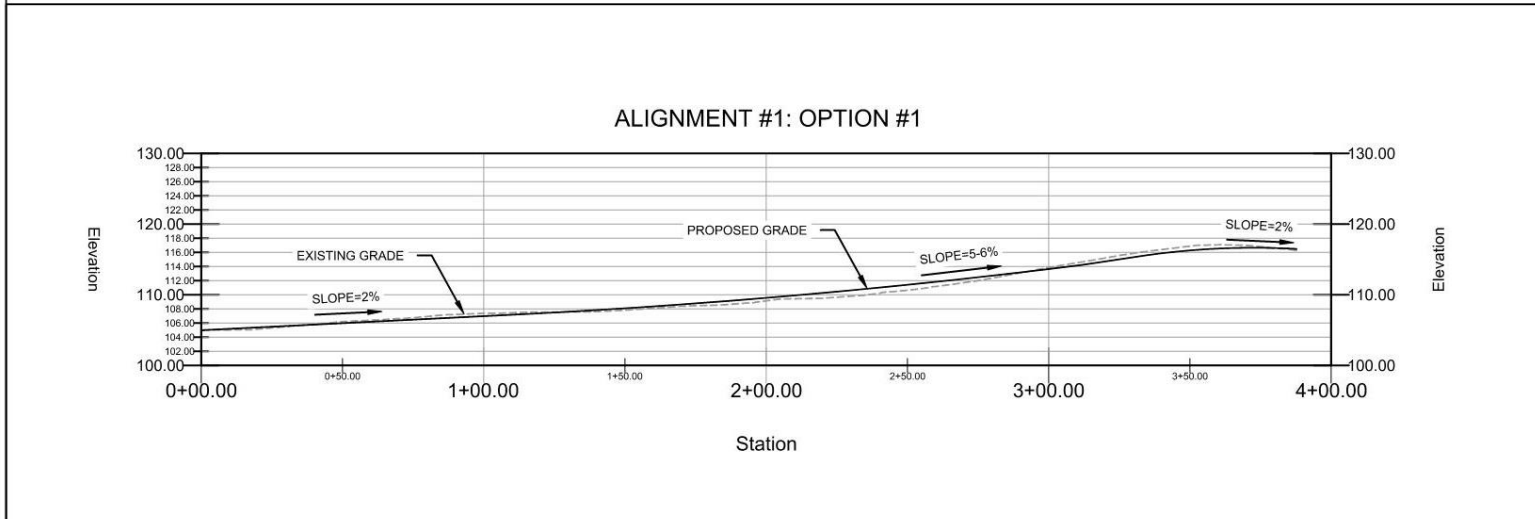
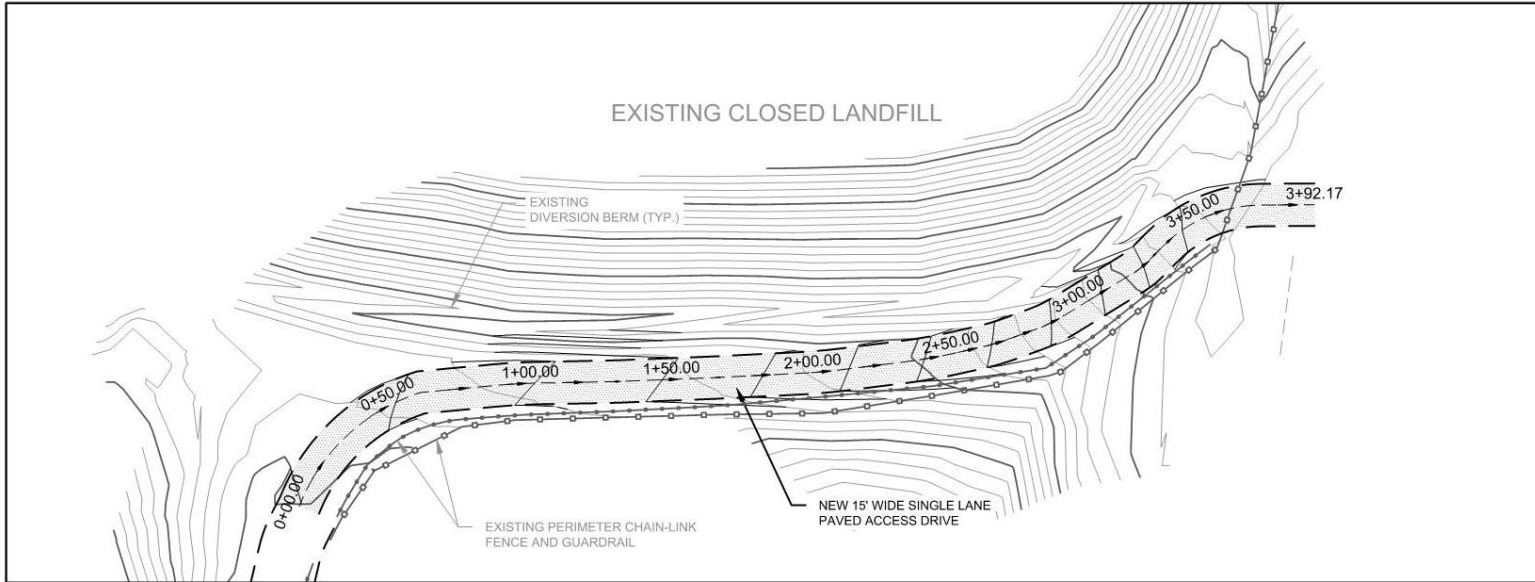
## SKETCH ACCESS DRIVE LAYOUT – OPTION 1

- Two-way traffic (two 12'-lanes) narrows to a single lane (15'-wide), which will require a stop sign and signal to coordinate safe route access to/from the proposed DPW building
- Single lane length is roughly 385 linear feet
- Proposed layout maintains existing edge of the gravel perimeter drive
  - Construction would not further encroach upon the adjacent wetlands zones, and would likely be easier for permitting
- Maintains 5'-buffer between the proposed edge of pavement to the limit of final cover geomembrane





# SKETCH ACCESS DRIVE LAYOUT – OPTION 1

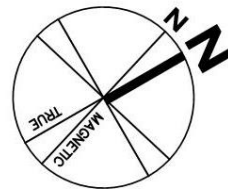


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## TARGETED FACILITIES MASTER PLAN

BOXFORD, MASSACHUSETTS

HA Project No. 16576



Date	06-27-18
Scale	1" = 40'
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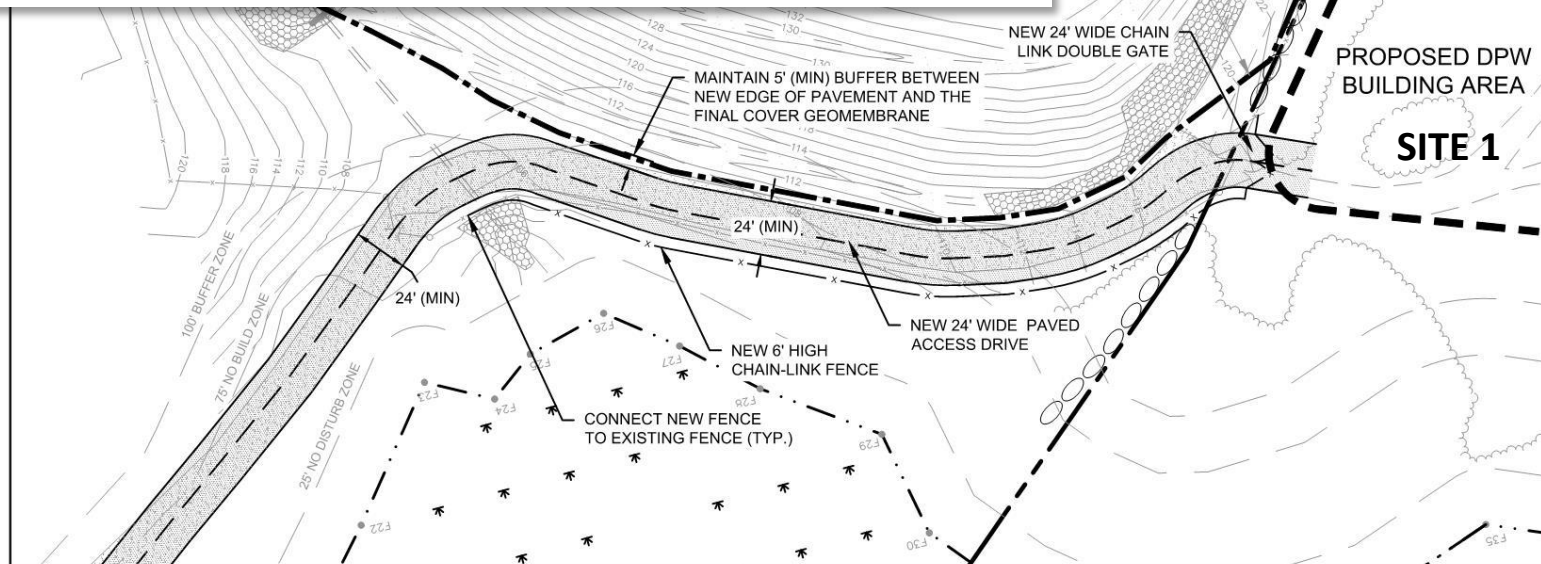
PERIMETER ACCESS  
ROAD: OPTION-1

SK5

ACCESS DRIVE

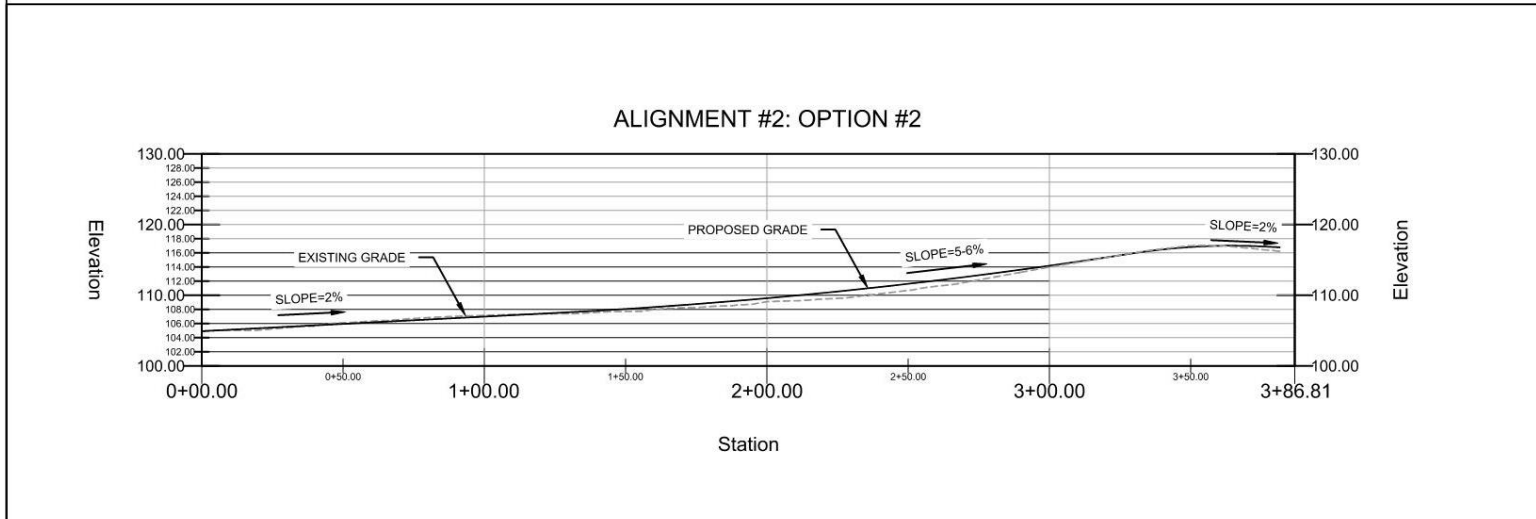
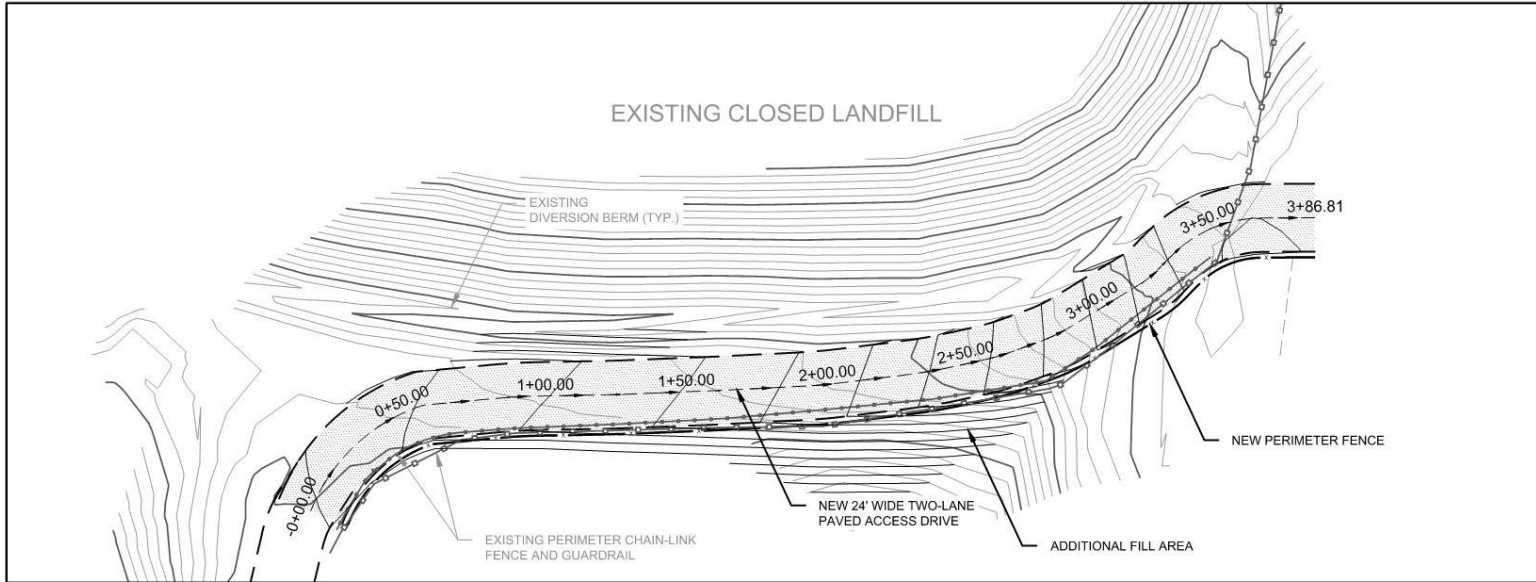
## SKETCH ACCESS DRIVE LAYOUT – OPTION 2

- Two-way traffic (two 12'-lanes) throughout the access route, which will not require additional signage/signals for coordinating safe route access to/from the proposed DPW building
- Proposed layout extends beyond the existing edge of the gravel perimeter road
  - Construction would further encroach upon the adjacent wetlands zone, and may be more difficult to permit
  - Based upon the site visit, clearing of trees and additional fill material will be required to accommodate the new perimeter drive width, and therefore, will further impact wetland zones
  - The existing fencing will need to be removed and relocated/replaced to accommodate the new perimeter drive width.
- Maintains 5'-buffer between the proposed edge of pavement to the limit of final cover geomembrane





# SKETCH ACCESS DRIVE LAYOUT – OPTION 2

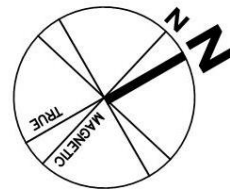


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## TARGETED FACILITIES MASTER PLAN

BOXFORD, MASSACHUSETTS

HA Project No. 16576



Date	06-27-18
Scale	1" = 40'

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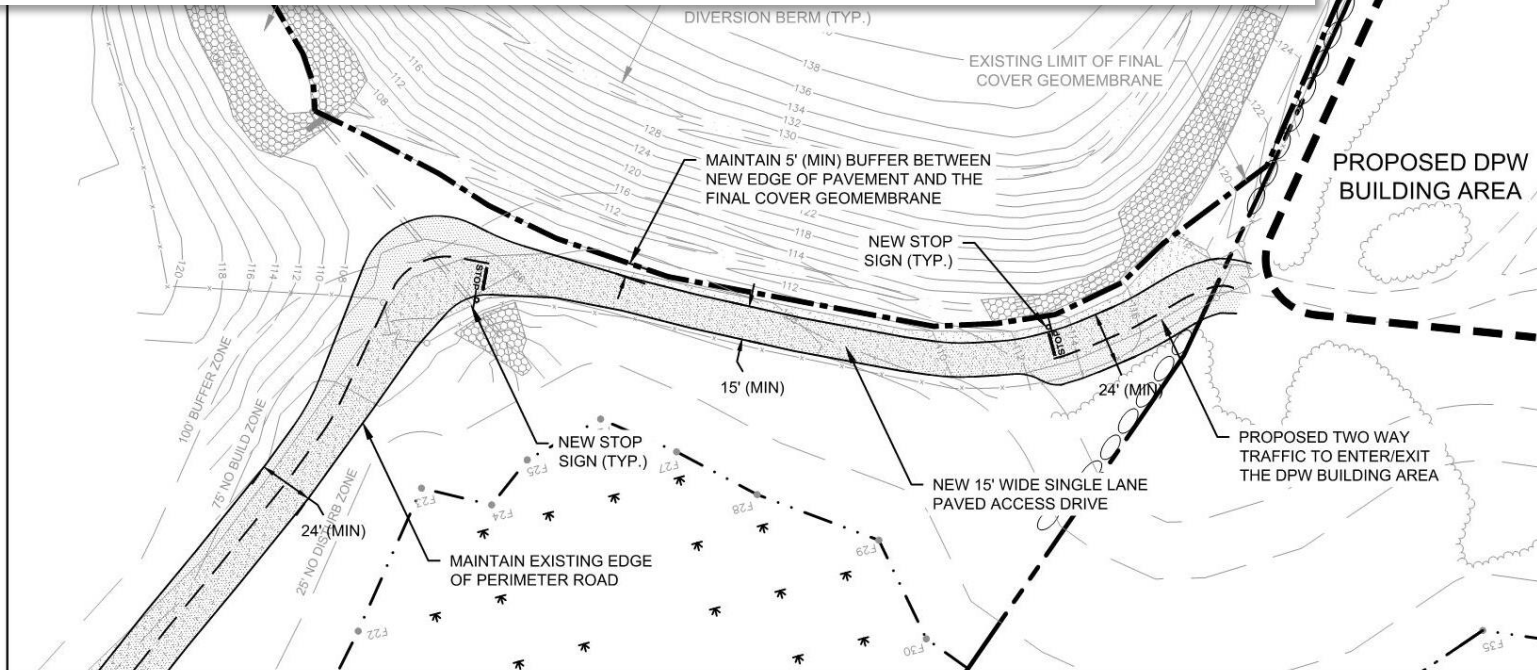
PERIMETER ACCESS  
ROAD: OPTION-2

SK6

ACCESS DRIVE

### SKETCH ACCESS DRIVE LAYOUT – OPTION 3

- Two-way traffic (two 12'-lanes) throughout most of the access route, which will require signage but not signals for coordinating safe route access to/from the proposed DPW building by improved site lines
- Single lane length is roughly 250 linear feet
- Proposed layout maintains existing edge of the gravel perimeter drive along the eastern edge until clear of wetland buffer
  - Construction would not further encroach upon the adjacent wetlands zones, and would likely be easier for permitting
- Maintains 5'-buffer between the proposed edge of pavement to the limit of final cover geomembrane



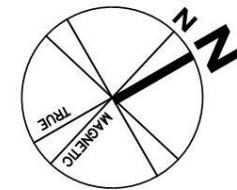
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#### TARGETED FACILITIES MASTER PLAN

BOXFORD, MASSACHUSETTS

HA Project No. 16576



Date 06-27-18

Scale 1" = 50'



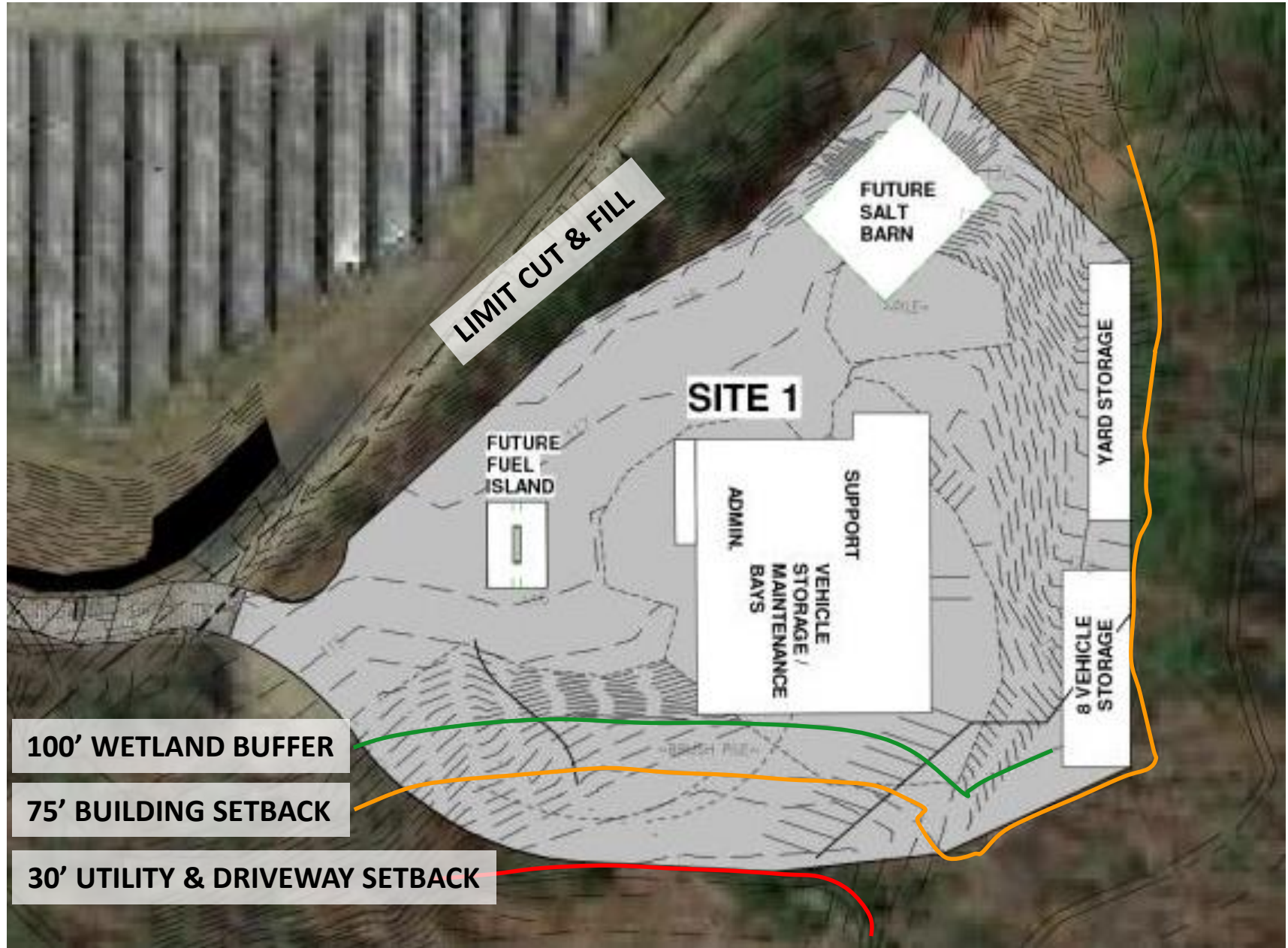
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PERIMETER ACCESS  
ROAD: OPTION-3

SK4



## SITE 1 UPDATE



# NEXT MEETING: 8 AUGUST

## SITE ONE ACCESS DRIVE

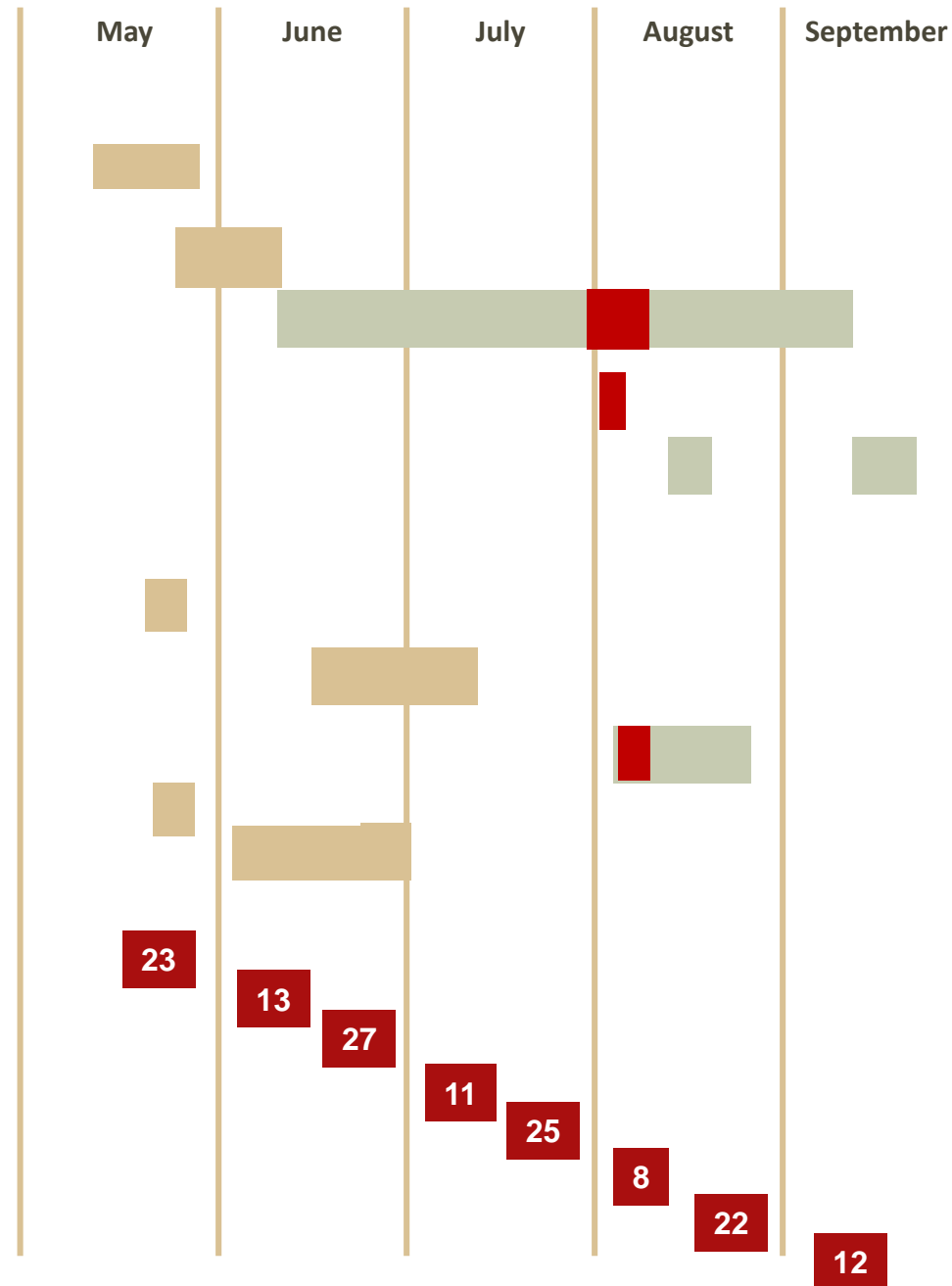
- Site Civil Analysis
- Civil Engineering Design
  - Initial options - 13 June
  - Continue Design
- Regulatory Agency Review
  - ConsComm
- Cost Estimate

## INFORMATION GATHERING

- Geotechnical Study
- SW45 (Weston and Sampson)
  - can be expedited
  - Geotech (Weston & Sampson)
  - Site Survey

### Report Back to Task Force

23 May  
13 June  
27 June  
11 July  
25 July  
8 August  
22 August  
12 September





**QUESTIONS**