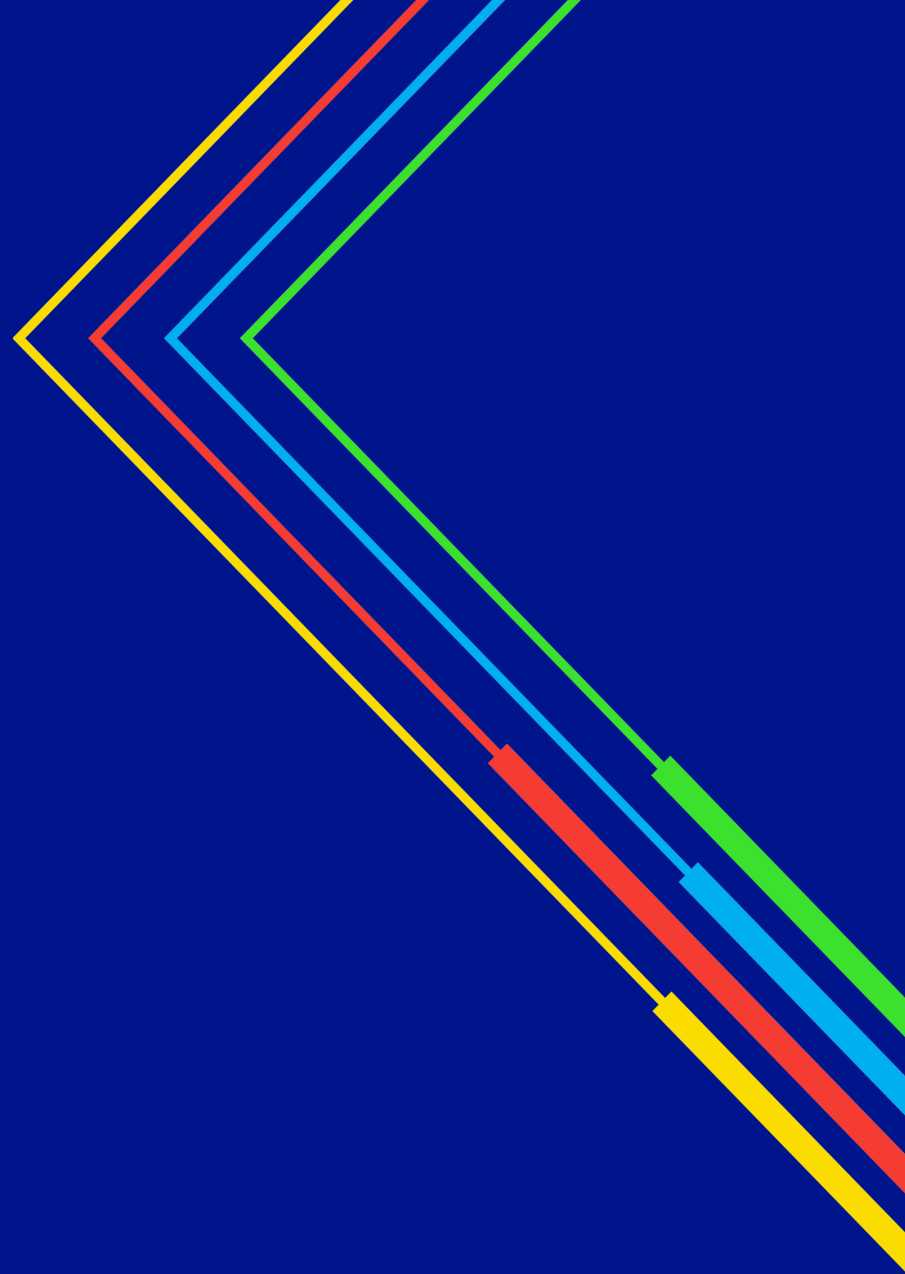


# Amesbury #5 Temporary Mobile Substation

Project Overview Presentation  
October 2025

nationalgrid



# Amesbury #5 Substation Location





# Amesbury #5 Substation Current Condition

- Retaining wall in poor/unstable condition.
- In 2022, moved T2 transformer off of lower retaining wall to expanded substation yard, and conducted close monitoring.
- In late 2024, geotechnical consultant discovered worsening conditions, including new area of soil loss underneath remaining transformer bank. Recent inspections show accelerated deterioration.
- Stabilization work not feasible due to safety, environmental and reliability concerns.
- Critical risk of retaining wall failing and/or soil subsidence causing damage to equipment and potential prolonged outage
- Temporary substation needed to mitigate reliability and safety risks posed by current situation at Amesbury #5.



# Amesbury #5 Temporary Substation Equipment



Transformer

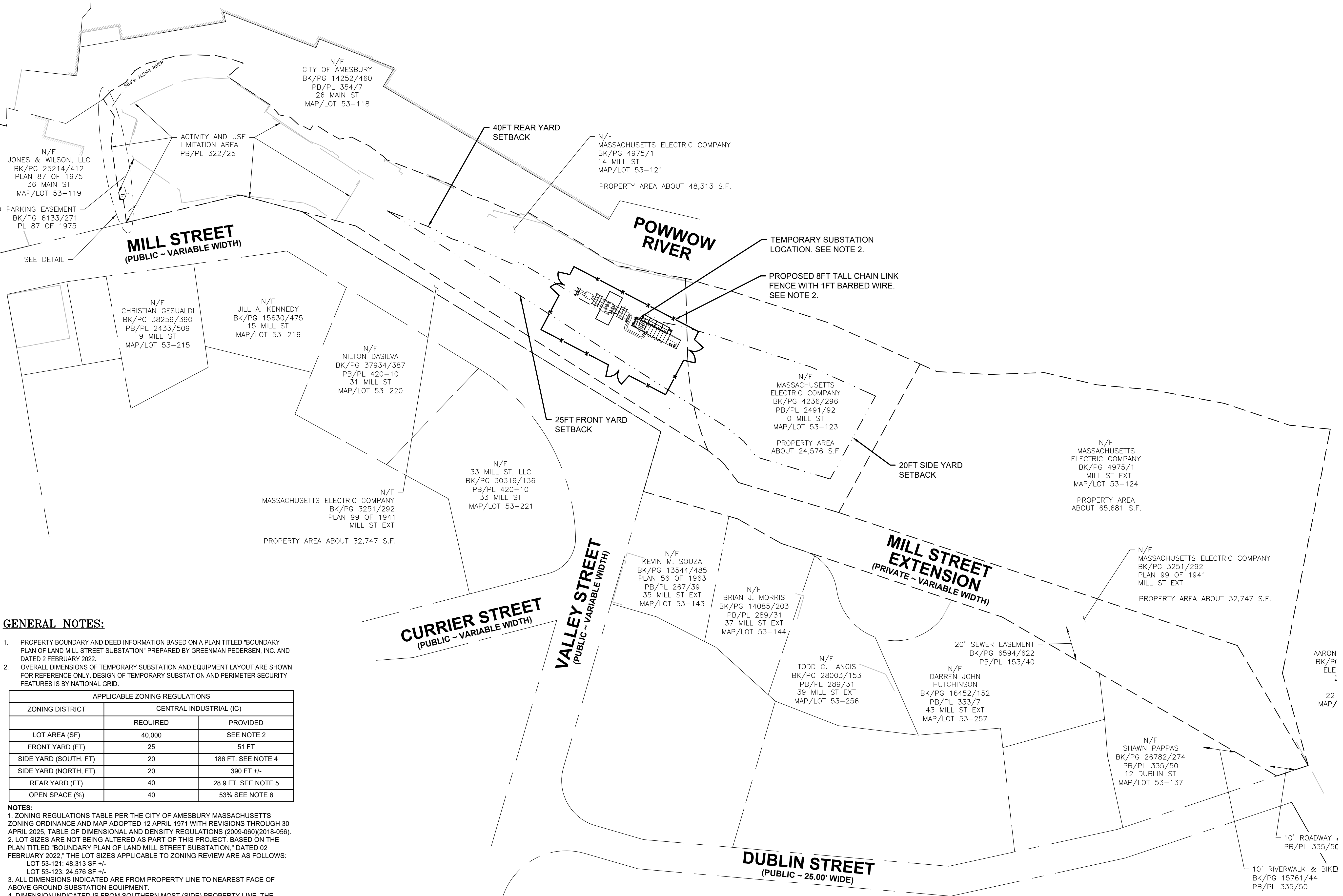
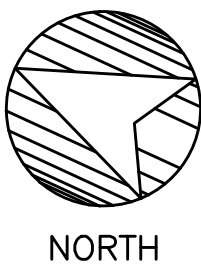


Mobile Switchgear



Cabinet



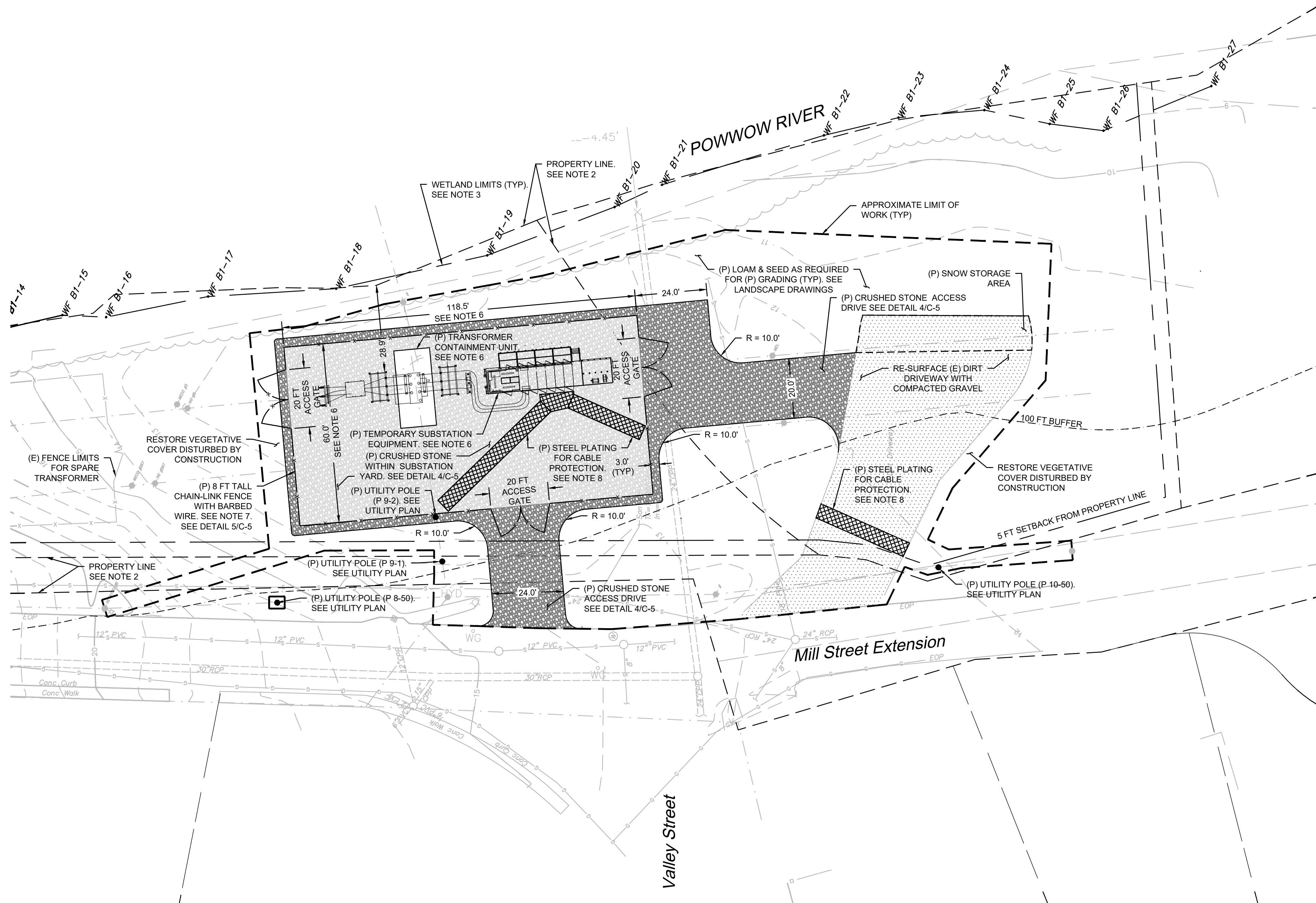


**GENERAL NOTES:**

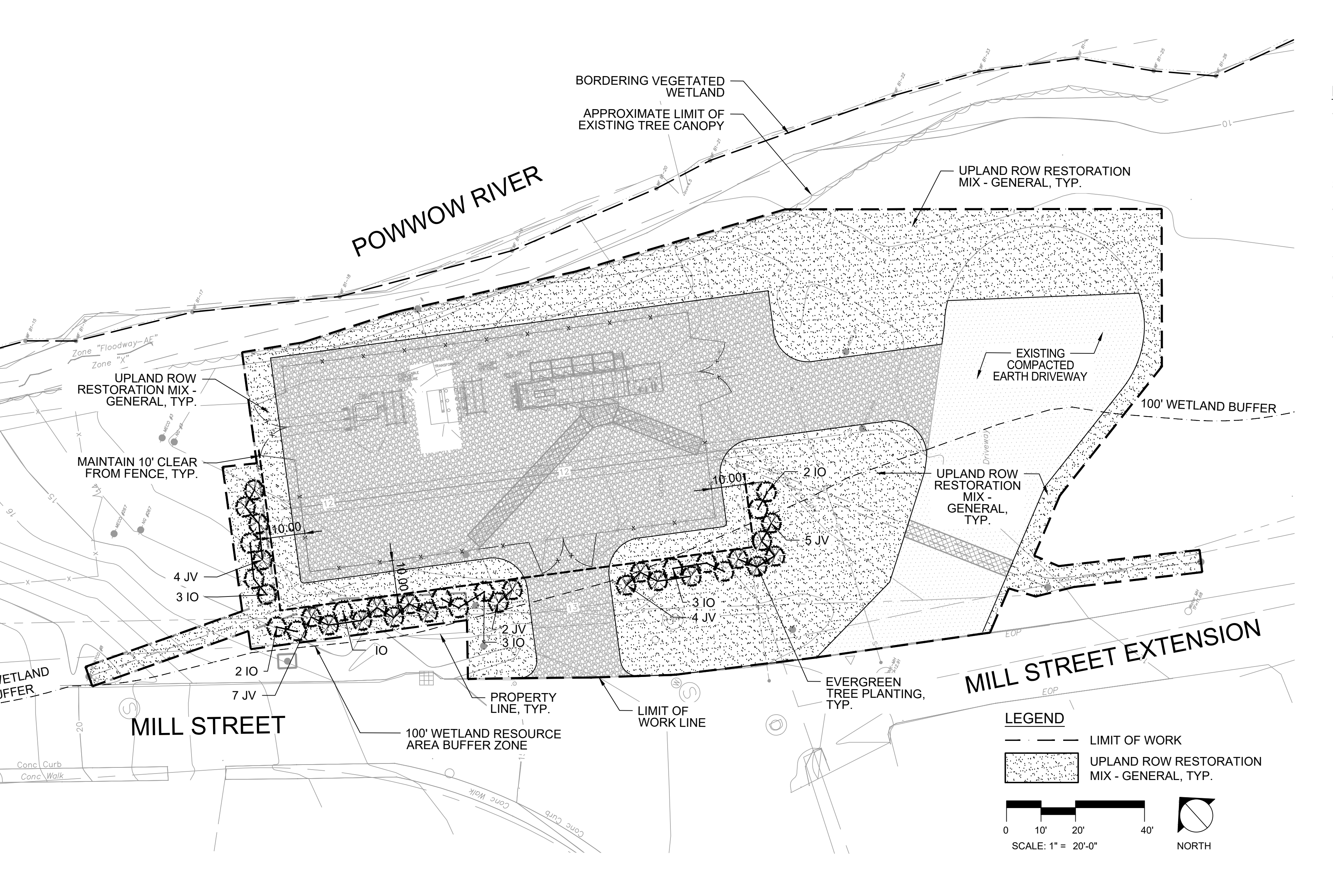
- PROPERTY BOUNDARY AND DEED INFORMATION BASED ON A PLAN TITLED "BOUNDARY PLAN OF LAND MILL STREET SUBSTATION" PREPARED BY GREENMAN PEDERSEN, INC. AND DATED 2 FEBRUARY 2022.
- OVERALL DIMENSIONS OF TEMPORARY SUBSTATION AND EQUIPMENT LAYOUT ARE SHOWN FOR REFERENCE ONLY. DESIGN OF TEMPORARY SUBSTATION AND PERIMETER SECURITY FEATURES IS BY NATIONAL GRID.

| APPLICABLE ZONING REGULATIONS |                         |                     |
|-------------------------------|-------------------------|---------------------|
| ZONING DISTRICT               | CENTRAL INDUSTRIAL (IC) |                     |
|                               | REQUIRED                | PROVIDED            |
| LOT AREA (SF)                 | 40,000                  | SEE NOTE 2          |
| FRONT YARD (FT)               | 25                      | 51 FT               |
| SIDE YARD (SOUTH, FT)         | 20                      | 186 FT. SEE NOTE 4  |
| SIDE YARD (NORTH, FT)         | 20                      | 390 FT +/-          |
| REAR YARD (FT)                | 40                      | 28.9 FT. SEE NOTE 5 |
| OPEN SPACE (%)                | 40                      | 53% SEE NOTE 6      |

- NOTES:**
- ZONING REGULATIONS TABLE PER THE CITY OF AMESBURY MASSACHUSETTS ZONING ORDINANCE AND MAP ADOPTED 12 APRIL 1971 WITH REVISIONS THROUGH 30 APRIL 2025, TABLE OF DIMENSIONAL AND DENSITY REGULATIONS (2009-060)(2018-056).
  - LOT SIZES ARE NOT BEING ALTERED AS PART OF THIS PROJECT. BASED ON THE PLAN TITLED "BOUNDARY PLAN OF LAND MILL STREET SUBSTATION," DATED 02 FEBRUARY 2022," THE LOT SIZES APPLICABLE TO ZONING REVIEW ARE AS FOLLOWS:  
LOT 53-121: 48,313 SF +/-  
LOT 53-123: 24,576 SF +/-
  - ALL DIMENSIONS INDICATED ARE FROM PROPERTY LINE TO NEAREST FACE OF ABOVE GROUND SUBSTATION EQUIPMENT.
  - DIMENSION INDICATED IS FROM SOUTHERN MOST (SIDE) PROPERTY LINE, THE







POWWOW RIVER

BORDERING VEGETATED  
WETLAND  
APPROXIMATE LIMIT OF  
EXISTING TREE CANOPY

UPLAND ROW RESTORATION  
MIX - GENERAL, TYP.

UPLAND ROW  
RESTORATION MIX -  
GENERAL, TYP.

MAINTAIN 10' CLEAR  
FROM FENCE, TYP.

EXISTING  
COMPACTED  
EARTH DRIVEWAY

100' WETLAND BUFFER

UPLAND ROW  
RESTORATION  
MIX -  
GENERAL,  
TYP.

4 JV  
3 IO

2 IO  
7 JV

PROPERTY  
LINE, TYP.

100' WETLAND RESOURCE  
AREA BUFFER ZONE

LIMIT OF  
WORK LINE

EVERGREEN  
TREE PLANTING,  
TYP.

MILL STREET EXTENSION

MILL STREET

LEGEND

— — — — — LIMIT OF WORK  
[Stippled Pattern] UPLAND ROW RESTORATION  
MIX - GENERAL, TYP.

0 10' 20' 40'  
SCALE: 1" = 20'-0"









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