



N.J.A.C. 7:13-3.5 FLOOD HAZARD AREA DETERMINED BY APPROXIMATION (METHOD 5):

THE SITE LIES ADJACENT TO AN UNNAMED TRIBUTARY TO CROSSWAY CREEK. THE TRIBUTARY HAS NOT BEEN STATE STUDIED AND DOES NOT HAVE A DEFINED FEMA 100-YEAR WATER SURFACE ELEVATION. ACCORDINGLY, METHOD 5 WILL BE UTILIZED FOR DETERMINATION OF THE NJFHA DESIGN FLOOD ELEVATION.

NEW JERSEY WATERSHED MANAGEMENT AREA : AREA 12 - MIDDLESEX DRAINAGE AREA TO TRIBUTARY: 151.70 ACRES

BASED ON N.J.A.C. 7:13, APPENDIX 1, TABLE 1, THE AVERAGE FLOOD DEPTH ABOVE STREAMBED ELEVATION IS 9 FEET.

APPROXIMATE STREAMBED ELEVATION: 8.9
NJFHA DESIGN FLOOD ELEVATION = 17.9

BASED ON OUR REVIEW OF THE NJDEP GEOWEB IT IS ANTICIPATES THAT THERE SHALL BE A 50 FOOT RIPARIAN BUFFER ALONG THE UNNAMED TRIBUTARY TO CROSSWAY CREEK. ALSO, THERE SHOULD NOT BE A RIPARIAN BUFFER ALONG THE EXISTING DRAINAGE DITCH.

LEGEND

- FRESHWATER WETLANDS TRANSITION AREA
- RIPARIAN ZONE
- FLOOD HAZARD AREA DESIGN FLOOD LIMIT
- WETLANDS LINE
- WETLAND FLAG LOCATION

FRESHWATER WETLANDS

1. A CERTIFIED WETLANDS DELINEATION FROM FRENCH AND PARRELLO ASSOCIATES DELINEATED THE FRESHWATER WETLANDS ON OCTOBER 15, 2020.
2. BASED ON OUR REVIEW OF NJDEP GEOWEB, IT IS ANTICIPATED THERE SHALL BE A 50 FOOT WETLAND BUFFER ALONG THE UNNAMED TRIBUTARY TO CROSSWAY CREEK TO REAR OF THE SITE AND NO BUFFER ALONG THE EXISTING DRAINAGE DITCH.

SOIL TYPE INFORMATION AS PER WEB SOIL SURVEY

TREE REPLACEMENT CALCULATIONS

DBH (INCHES)	# OF TREES TO BE REMOVED
16"-18" (LESS THAN 18")	1
22" (LESS THAN 24")	1
24" (LESS THAN 27")	3
TOTAL REPLACEMENT TREES	
DBH (INCHES)	# OF REPLACEMENT TREES
16"-18" (LESS THAN 18")	3 REPLACEMENT TREES X 1 = 3
22" (LESS THAN 24")	5 REPLACEMENT TREES X 1 = 5
24" (LESS THAN 27")	6 REPLACEMENT TREES X 3 = 18
	TOTAL = 26

PLUS 1 TREE PER 2 PARKING SPACES. SO 21 PARKING SPACES REQUIRE 11 TREES
TOTAL REPLACEMENT TREES REQUIRED = 37 TREES
PROVIDING 44 TREES
SEE LANDSCAPE PLAN

No.	Date	Revision	Revised By	Checked By
1	7-29-2021	AS PER BOARD PROFESSIONAL REVIEWERS	MWK	ALF

30 0 30 60
SCALE IN FEET

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EXISTING CONDITION & DEMOLITION PLAN
FOR
PRELIMINARY AND FINAL MAJOR SITE PLAN
FOR
SAYREVILLE LEASING AND REPAIR CO., LLC
LOTS 6 & 7, BLOCK 453
BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY NEW JERSEY

DATE: 3-24-2021	DESIGNED BY: WGS	SCALE: 1" = 30'	PROJECT NUMBER: 16082.001
DRAWN BY: WGS	CHECKED BY: ALF	FIELD BOOK:	SHEET: 2 of 16