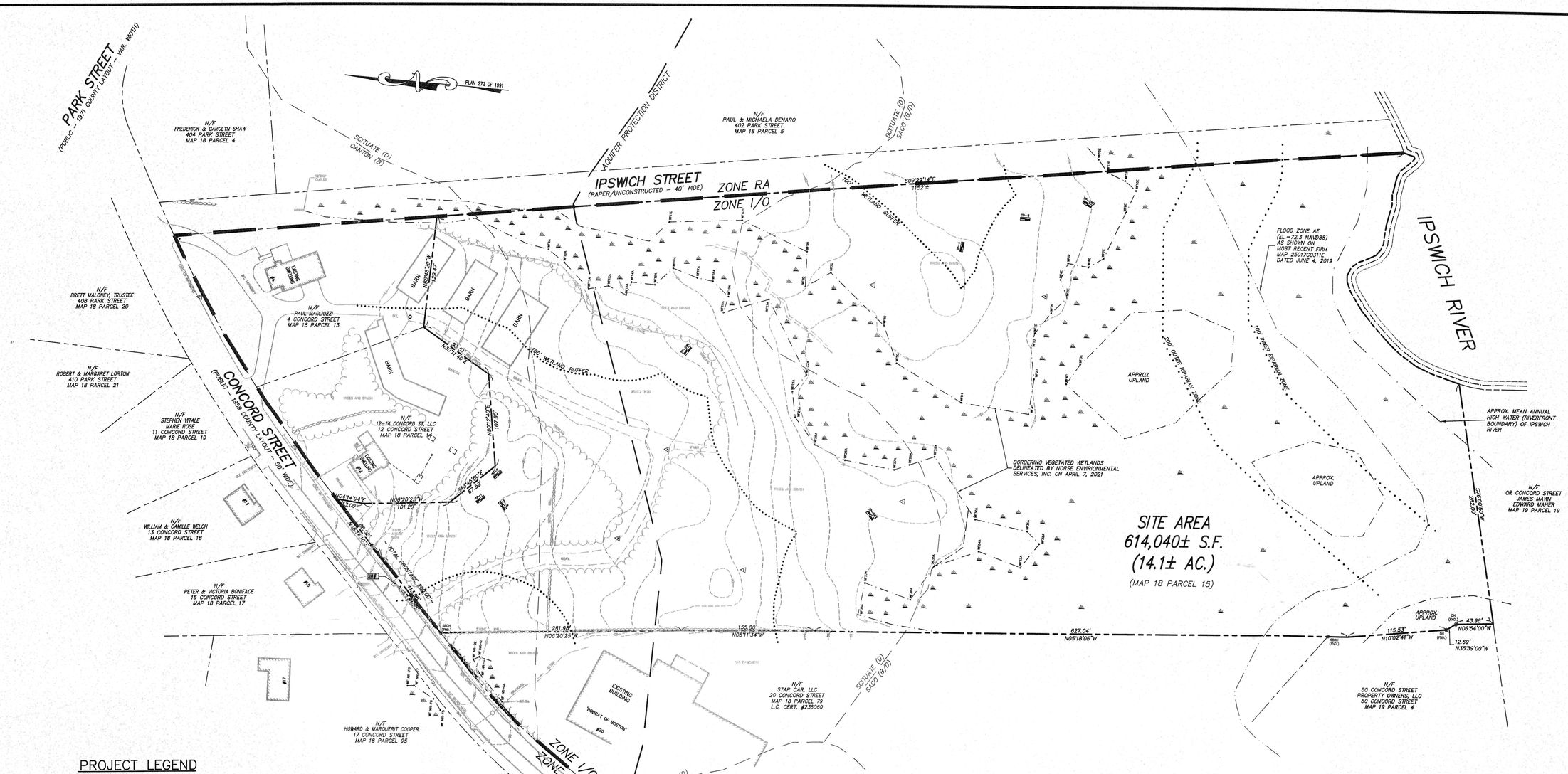


PROJECT LEGEND

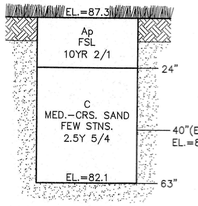
- EXISTING STONE WALL
- EXISTING CONTOUR
- EXISTING SPOT GRADE
- SOIL TESTING LOCATION
- EXISTING TREE/BRUSH LINE
- EXISTING TREES
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE
- EXISTING STONE BOUND
- EXISTING IRON ROD
- EXISTING HUB/TACK SET
- EXISTING UTILITY POLE
- EXISTING OVERHEAD WIRES
- EXISTING WATER MAIN/SERVICE
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING GAS LINE
- EXISTING DRAIN PIPE
- EXISTING DRAIN MANHOLE
- EXISTING CATCH BASIN
- PROPOSED CONTOUR
- PROPOSED FINISH GRADE
- PROPOSED WATER PIPE
- PROPOSED DRAINAGE PIPE
- PROPOSED GAS LINE
- PROPOSED UNDERGROUND ELECTRIC & COMMUNICATIONS
- PROPOSED EROSION CONTROL
- PROPOSED WATER VALVE
- PROPOSED TREELINE
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED BLOCK RETAINING WALL
- PROPOSED LIGHT POST
- PROPOSED SIGN
- PROPOSED CATCH BASIN
- PROPOSED DRAIN MANHOLE
- PROPOSED FLARED END OUTLET
- PROPOSED STONE RIPRAP
- PROPOSED SEPTIC SYSTEM AREA
- BENCH MARK (SEE CHART)

INV.	INVERT
CB	CATCH BASIN
DMH	DRAIN MANHOLE
OCS	OUTLET CONTROL STRUCTURE
BIT.	BITUMINOUS
T.W.	TOP OF WALL ELEVATION
CMP	CORRUGATED METAL PIPE
HDPE	HIGH DENSITY POLYETHYLENE
FNC.	FENCE
RET.	RETAINING
(TYP.)	TYPICAL

SOIL TESTING

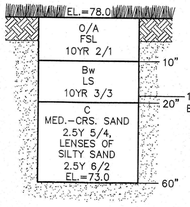
PERFORMED BY: LUKE J. ROY, SOIL EVALUATOR – SE 2740
FIELD BOOK 143 PAGES 145–146 & BOOK 114 PAGES 9–10
DATE: NOVEMBER 18, 2021 & DECEMBER 10, 2021

TP–SW1



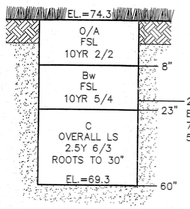
REFUSAL	–
ESTIMATED HIGH GROUND WATER	@ 40"(84.0)
WATER SEEPING	@ 50"
STANDING WATER	@ 58"
PERC RATE	–

TP–SW2



REFUSAL	–
ESTIMATED HIGH GROUND WATER	@ 18"(76.5)
WATER SEEPING	@ 24"
STANDING WATER	@ 36"
PERC RATE	–

TP–SW3



REFUSAL	–
ESTIMATED HIGH GROUND WATER	@ 20"(72.6)
WATER SEEPING	@ 34"
STANDING WATER	–
PERC RATE	–

BENCHMARKS (NAVD 1988*)		
NO.	DESCRIPTION	ELEVATION
BM#1	BACK CENTER OF CATCH BASIN	107.40

*DATUM ESTABLISHED BY GPS RTK NETWORK POSITIONING

COMMONWEALTH OF MASSACHUSETTS
LUKE J. ROY
CIVIL
No. 47356
REGISTERED PROFESSIONAL ENGINEER
2/15/22

LJR ENGINEERING, INC.
Civil Engineers & Land Surveyors
234 Park Street • North Reading, MA 01864 • 978-664-8141

EXISTING CONDITIONS PLAN

14 CONCORD STREET

NORTH READING, MASSACHUSETTS
ASSESSOR'S MAP 18 PARCEL 15

DATE: FEBRUARY 15, 2022
SCALE: 1"=60'
PROJECT NO.: 19–163

C2