

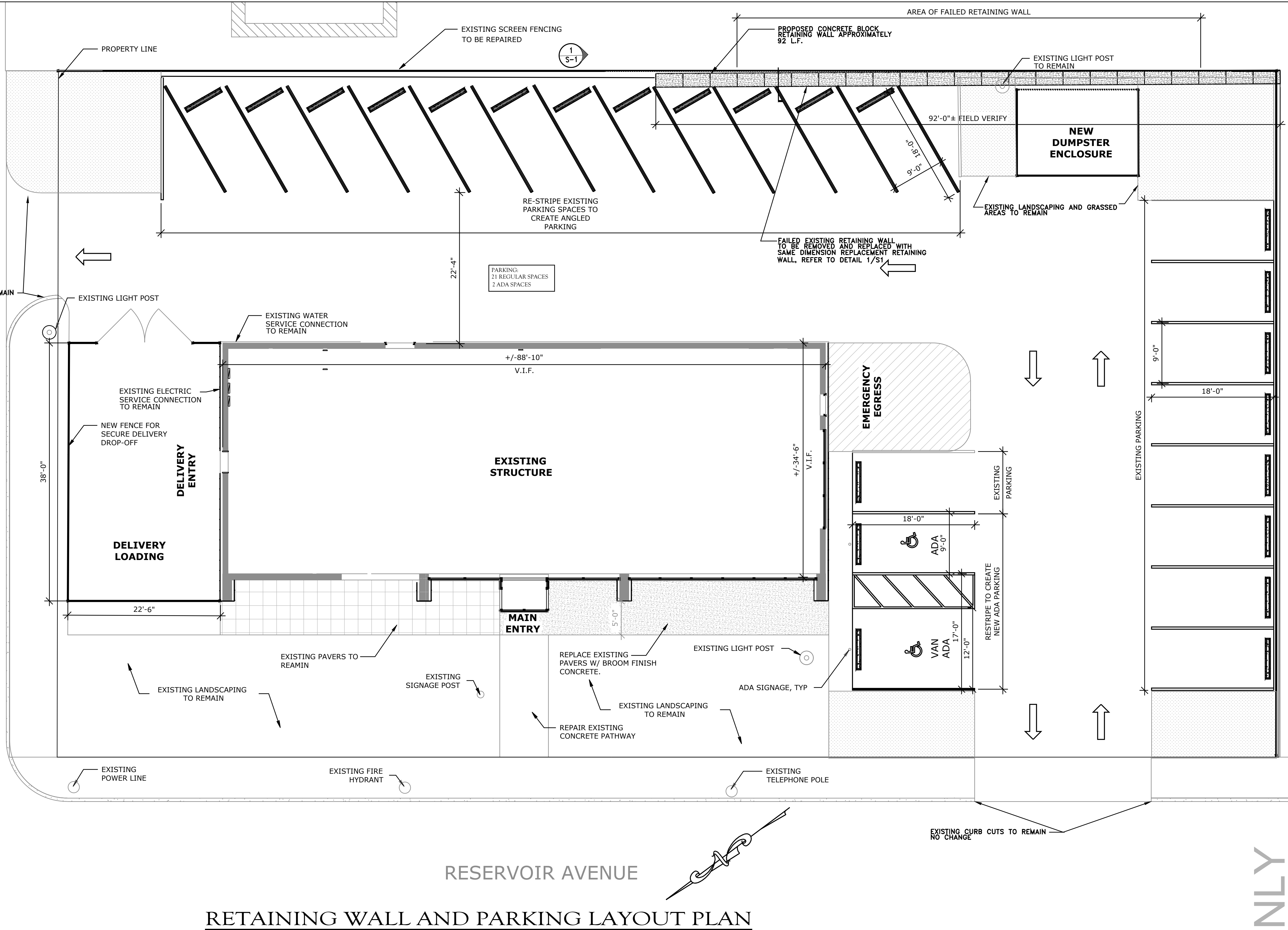


# LOCUS PLAN

NTS

EXISTING CURB CUTS TO REMAIN  
NO CHANGE

DELWAY ROAD  
TWO-WAY



## RETAINING WALL AND PARKING LAYOUT PLAN

NTS

### WORLD BLOCK RETAINING WALL NOTES

- ALL WALL CONSTRUCTION IS TO BE FIELD DOCUMENTED BY SAB ENGINEERING IN ORDER TO PROVE CONFORMANCE TO THESE CONSTRUCTION DOCUMENTS, PROPER COMPACTION OF SOILS AND THE PRESENCE OF DRAINAGE MATERIALS. COORDINATING THIS DOCUMENTATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - CONCRETE USED FOR WALL UNITS SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3 K.S.I. WALL UNITS SHALL COMPLY WITH WORLD BLOCK SPECIFICATIONS, ASTM C94 AND ACI 301.99, HAVE 4% - 7% ENTRAINED AIR, 3" SLUMP, AND MUST BE PLACED AT A MINIMUM OF 5".
  - WALL CONSTRUCTION SHALL FULLY COMPLY WITH WORLD BLOCK STANDARD SPECIFICATIONS.
  - UNDERDRAINS SHALL BE PERFORATED, 4" DIAMETER AND SHALL MEET THE REQUIREMENTS OF AASHTO M252 AND/OR ASTM F949. ALL DRAINS ARE TO PITCH A MINIMUM OF 1/8" PER FOOT. UNDERDRAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DRAINS NOT SPECIFIED TO TIE INTO THE SITE DRAINAGE SHALL DRAIN TO DAYLIGHT.
  - RETAINED SOIL SHALL BE DETERMINED TO MEET OR EXCEED THE REQUIREMENTS BELOW IN THE ABSENCE OF A GEOTECHNICAL ENGINEERING STUDY. SOILS NOT MEETING THESE REQUIREMENTS SHALL BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOILS. THE UNDERLYING SOILS SHALL BE INVESTIGATED FOR THE PRESENCE OF SOFT CLAYS TO A DEPTH OF 1.5 TIMES THE HEIGHT OF THE RETAINING WALL. IF WEAK SOILS ARE PRESENT, THEY SHALL BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOILS.
- |   |  |
|---|--|
| LEVELING PAD SHALL BE 3" CRUSHED STONE WITH NO MORE THAN 5% PASSING A #200 SIEVE.   |  |
| FREE DRAINING BACKFILL SOIL SHALL BE 1 1/2" CRUSHED STONE PLACED DIRECTLY BEHIND WALL FOR THE DEPTHS SPECIFIED ON PLANS (10" MIN.) AND SHALL EXTEND VERTICALLY FROM LEVELING PAD TO 4" BELOW TOP OF WALL. EXPOSED DRAINAGE STONE SHALL BE PROTECTED FROM FINE SOIL MIGRATION THROUGHOUT CONSTRUCTION. |  |
| BACKFILL SOIL BEYOND DRAINAGE ZONE SHALL BE CLEAN BANK RUN GRAVEL WITH NO MORE THAN 10% PASSING THE #200 SIEVE AND SHALL MEET OR EXCEED THE REQUIREMENTS BELOW. ORGANIC AND FROST SUSCEPTIBLE SOILS ARE NOT PERMITTED WITHIN A MIN. DISTANCE BEHIND THE WALL EQUAL TO THE HEIGHT OF THE WALL.         |  |
- |  |                       |
|--|-----------------------|
| THE FOLLOWING MINIMUM SOIL PROPERTIES WERE USED IN THE DESIGN: |                       |
| SOIL WEIGHT (PCF)  | FRICITION ANGLE (DEG) |
| BACKFILL/INFILL SOIL   | 125 32                |
| RETAINED SOIL  | 125 32                |
| FOUNDATION SOIL  | 125 32                |
| LEVELING PAD   | 125 40                |
| FREE DRAINING BACKFILL   | 120 40                |
- ENSURE THAT THE FIRST COURSE OF WALL UNITS IS IN FULL CONTACT WITH THE LEVELING PAD. INSTALL NEXT COURSE OF UNITS SUCH THAT THE VERTICAL GAPS ARE STAGGERED BETWEEN ADJACENT COURSES.
  - CONTRACTOR AND ENGINEER-OF-RECORD SHALL APPROVE/PROVIDE ALL ELEVATIONS AND INVERTS IN THESE PLANS PRIOR TO ORDERING MATERIAL.

### GENERAL NOTES

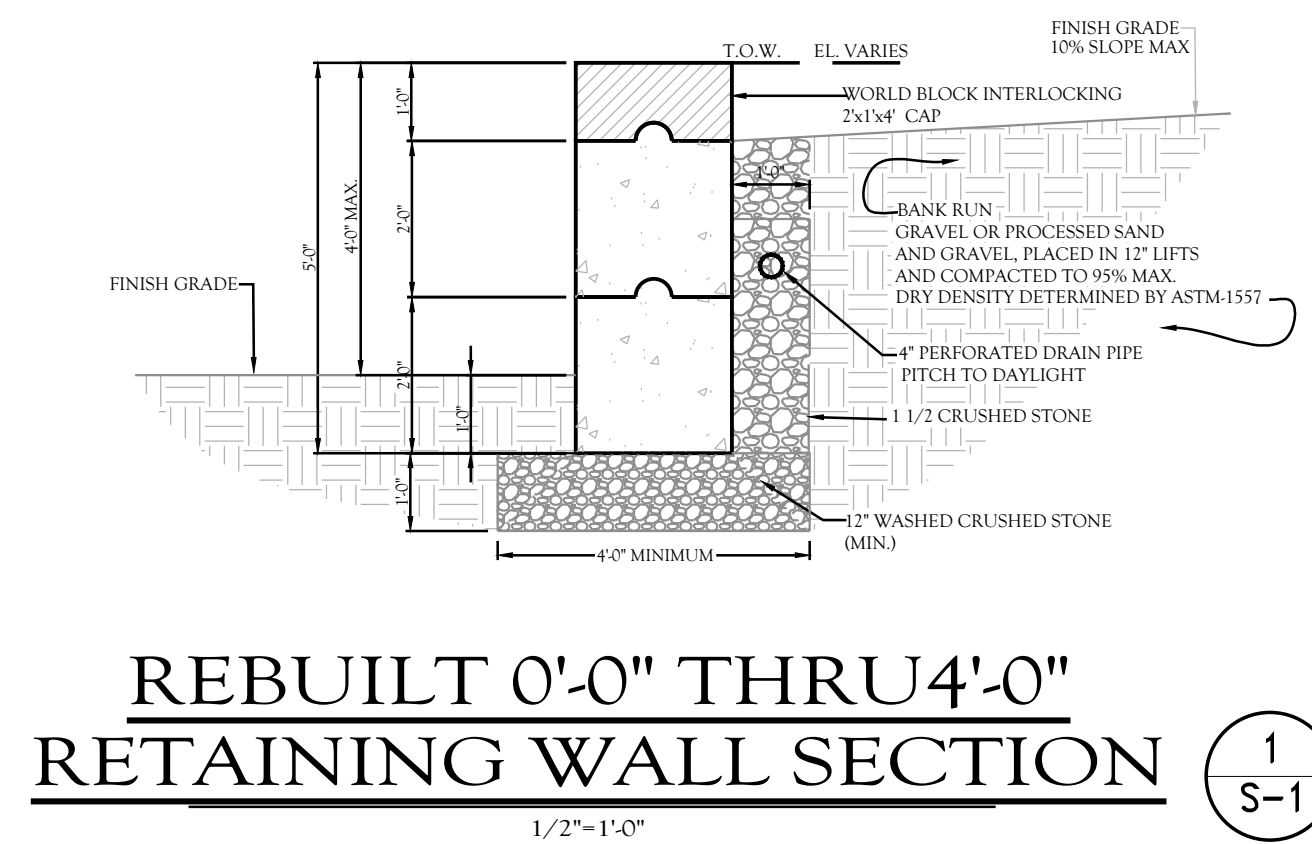
- ALL MEASUREMENTS ARE TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
- GRADING BEHIND RETAINING WALLS IS NOT TO EXCEED 14" (1' VERTICAL ON 10' HORIZONTAL).
- ALL EXCAVATION IS TO BE IN ACCORDANCE WITH THE RHODE ISLAND STATE BUILDING CODE AND OSHA REGULATIONS.
- RETAINING WALLS ARE TO BE NO HIGHER THAN SPECIFIED IN THE PROVIDED CROSS SECTION.
- ALL OF THE BASE PREPERATION SHALL BE OVERSEEN BY A REPRESENTATIVE FROM SAB ENGINEERING.

### PAVING NOTES

- EXISTING PAVING TO REMAIN, REPAIR AS REQUIRED, SEAL COAT ENTIRE PARKING LOT AFTER PATCHING REPAIRS.
- RE-STRIPE EXISTING PARKING SPACES (AS NOTED).
- NO CHANGES TO EXISTING GRADING, AND DRAINAGE.
- NO CHANGES TO EXISTING STORM-WATER CONTROL.

### GRADING NOTES

- NO CHANGES TO EXISTING GRADES TO OCCUR.



### REBUILT 0'-0" THRU 4'-0" RETAINING WALL SECTION

1/2"-1'-0"  
1  
S-1

No.	Revisions	Date

### GENERAL NOTES

### ENGINEER

**SAB Engineering**

150 Amaral Street  
Riverside, Rhode Island 02915  
508-496-9564  
sab@sabengineering.net

### SEAL

DATE: 12/22/23  
PROJECT NO.: SAB-1800-23  
DRAWN BY: KMR  
SCALE: NTS  
CHECKED BY: SAB  
PROJECT:

### PROPOSED GRAVITY BLOCK RETAINING WALL AND PARKING PLAN

1112 RESERVOIR AVENUE  
CRANSTON, RI  
PLAT 9/2 LOT 2713

### LAYOUT PLAN

### CLIENT

### SHEET NO.

# S-1

FOR PERMIT ONLY