

# RETAINING WALL REPAIRS FOR DEPARTMENT OF HAWAIIAN HOMELANDS 2147 TANTALUS DRIVE

**GENERAL NOTES:**

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS.
2. DETAILS NOTED AS "TYPICAL" OR "TYP" SHALL APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
3. OPENINGS, SIZES & LOCATIONS SHOWN ON DRAWINGS ARE FOR INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
4. OPENINGS LARGER THAN 6 INCHES NOT INDICATED IN THE DRAWINGS SHALL NOT BE MADE WITHOUT WRITTEN PERMISSION BY THE PROJECT ENGINEER.
5. CONDUITS AND PIPES TO BE EMBEDDED IN CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.
6. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES & DETAILS. WHERE DIRECT CONFLICTS OCCUR, NOTIFY THE PROJECT ENGINEER IN WRITING.
7. NOTIFY THE PROJECT ENGINEER, IN WRITING, OF ANY OMISSIONS OR CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
8. DRAWINGS DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN AND THE OTHER PERSONS DURING CONSTRUCTION.
9. COMPLY WITH ALL APPLICABLE CITY, COUNTY, STATE & FEDERAL LAWS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
10. CONSTRUCTION LOADS INCLUDING MATERIALS SHALL NOT EXCEED THE DESIGN LIVE LOAD. PROVIDE ADEQUATE SHORING/BRACING AS REQUIRED.
11. VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK.
12. LOCK-OFF LOAD FOR TIEBACK = 5 KIPS  
ALLOWABLE MAXIMUM LOAD FOR TIEBACK = 15 KIPS
13. THE CONSTRUCTION DRAWINGS SHALL HAVE ALL SPECIAL INSPECTIONS LISTED AS A CONDITION FOR PERMIT ISSUANCE.

- A) SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. REPORT SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. THE INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE OWNER AND LICENSED ARCHITECT/ENGINEER WHO IN TURN SUBMIT A WRITTEN STATEMENT TO THE CITY CERTIFYING RECEIPT OF THE FINAL INSPECTIONS AND DOCUMENTING THAT THERE ARE NO KNOWN UNRESOLVED CODE REQUIREMENTS. (SEC. 1704.2.4 AS AMENDED)
- B) IN ADDITION TO INSPECTION PROCEDURES SPECIFIED BY THE INTERNATIONAL BUILDING CODE SECTION 1709 THIS PROJECT IS SUBJECT TO SPECIAL INSPECTION REQUIREMENTS IN ACCORDANCE WITH THE FOLLOWING TABLES:

**REQUIRED VERIFICATION AND INSPECTION OF ANCHORED WIRE MESH CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
INSPECTION OF SOIL NAIL PLACEMENT AND GROUTING	X	

- C) CONTRACTOR SHALL NOTIFY JPB ENGINEERING A MINIMUM OF 24 HOURS PRIOR TO INSTALLATION OF MATERIAL AND/OR PERFORMANCE OF WORK IN AREAS SUBJECT TO SPECIAL INSPECTION.
- D) NO WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED WITHOUT THE SPECIAL INSPECTOR BEING PRESENT.
- E) STRUCTURAL OBSERVATION AS REQUIRED BY THE INTERNATIONAL BUILDING CODE SECTION 1704 WILL BE PROVIDED BY JPB ENGINEERING.

**FOUNDATION NOTES:**

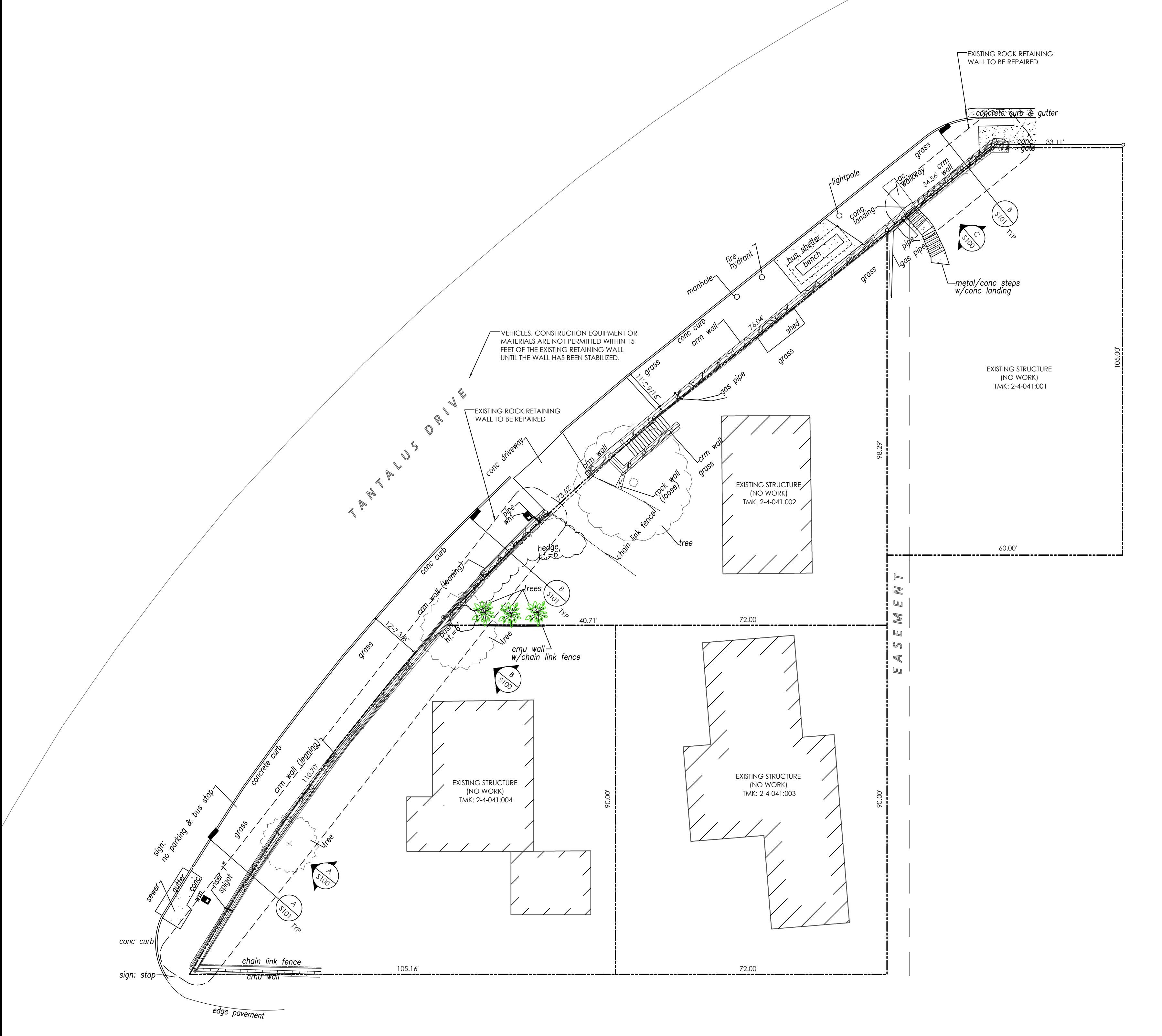
1. THE FOUNDATION DESIGN IS BASED UPON GEOTECHNICAL REPORT PREPARED BY:  
JPB ENGINEERING, INC.  
47-388 HIJI IWA STREET, STE. #14  
KANEIHE, HI 96744  
(808)436-8108  
DATE: JULY 28, 2020  
PROJECT NO.: 20114.01G
2. THE GEOTECHNICAL REPORT AND ITS RECOMMENDATIONS SHALL BE CONSIDERED A PART OF THESE DRAWINGS. THE CONTRACTOR SHALL OBTAIN AND REVIEW A COPY OF THE REPORT AND ANY UPDATES OR ADDENDUMS.

**DESIGN CRITERIA:**

1. THE STRUCTURAL DESIGN IS BASED UPON THE PROVISIONS OF THE 2012 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF HAWAII AND THE CITY & COUNTY OF HONOLULU.

**EROSION SEDIMENT CONTROL NOTES FOR MINOR DEVELOPMENT PROJECTS:**

1. USE BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT AND REDUCE THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE ONTO OFF-SITE STREETS, STORM DRAINS, STREAMS AND THE OCEAN. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO SOIL, OIL PRODUCTS, PAINT, SOLVENTS, CONSTRUCTION DEMOLITION WASTE, TRASH, PORTABLE TOILETS, AC MATERIALS, CONCRETE, AND ANY OTHER LIQUID, PAVING OR WASHOUT MATERIAL THAT COULD BE DETRIMENTAL IF RELEASED INTO THE ENVIRONMENT.
2. ANY EXPOSED SOIL FROM THIS ACTIVITY MUST BE PERMANENTLY OR TEMPORARILY STABILIZED IMMEDIATELY USING VEGETATION, GRAVEL, PAVERS, ROLLED EROSION CONTROL PRODUCTS, OR AN EQUIVALENT METHOD UNLESS ACTIVE WORK IS SCHEDULED WITHIN 14 DAYS.
3. ALL CONSTRUCTION WASTE AND WASHOUT WATER MUST BE PROPERLY CONTAINED AND DISPOSED OF.
4. SEDIMENT TRACKED OFF SITE MUST BE SWEEPED OR VACUUMED DAILY.
5. DUST FROM THE PROJECT SITE SHALL NOT BE TRANSPORTED OR DISCHARGED TO OFF-SITE AREAS. THE WORK MUST BE IN CONFORMANCE WITH AIR POLLUTION CONTROL STANDARDS CONTAINED IN THE HAWAII ADMINISTRATIVE RULES: TITLE 11 CHAPTER 60.1, "AIR POLLUTION CONTROL."
6. TOTAL DISTURBED AREA = 13 SQUARE FEET



001  
S100  
S101

**GENERAL NOTES, SITE PLAN  
WALL ELEVATION  
WALL SECTION, STRUCTURAL DETAIL.**

**SHEET INDEX**

**OWNER(S):** DEPARTMENT OF HAWAIIAN HOME LANDS  
HAWAIIAN HOMES COMMISSION

**PROJECT ADDRESS:** 2147 TANTALUS DRIVE  
HONOLULU, HI 96813

**TAX MAP KEY:**

TAX MAP KEY:	LOT AREA:	YEAR BUILT:
2-4-041-004	6,802 SF	1969
2-4-041-002	5,823 SF	1969
2-4-041-001	6,000 SF	1947

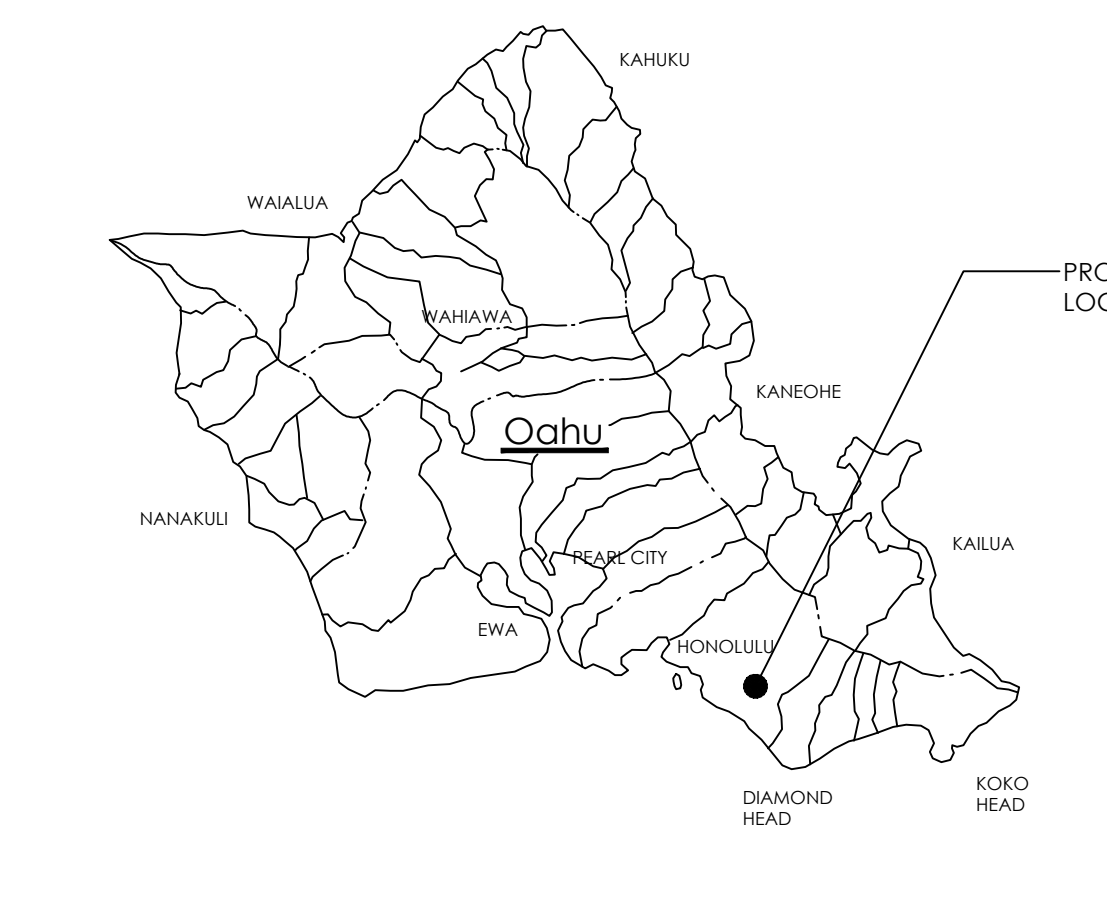
**FLOOD ZONE:** X

**HEIGHT LIMIT:** 25' UNLESS SLOPING

**SMA/SHORELINE:** NOT IN SMA

**LOT ZONING:** R-5 RESIDENTIAL DISTRICT

**PROPERTY INFO**



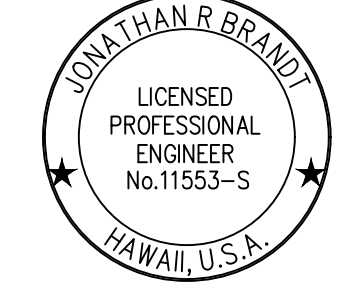
**VICINITY MAP**



**LOCATION MAP**



JPB ENGINEERING, INC.  
47-388 HIJI IWA ST., STE. #14  
KANEIHE, HI 96744  
808.436.8108



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

*Jonathan R. Brand*  
EXP 4/30/22

**RETAINING WALL REPAIRS FOR  
DEPARTMENT OF HAWAIIAN HOMELANDS  
2147 TANTALUS DRIVE, HONOLULU, OAHU, HAWAII  
TAXMAP KEY: 2-4-041-004, 2-4-041-002 & 2-4-041-001**

REVISION	DATE

**GENERAL NOTES, SITE PLAN**

Title: 20114.01G  
Project: SEPTEMBER 2020  
Date: JL  
Drawn: JL  
Designed: JC  
Checked: JC  
DRAWING NO.

001

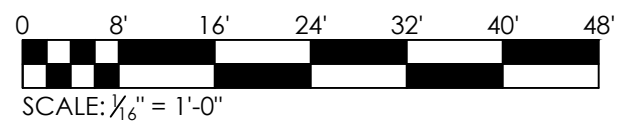
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**GENERAL NOTES**

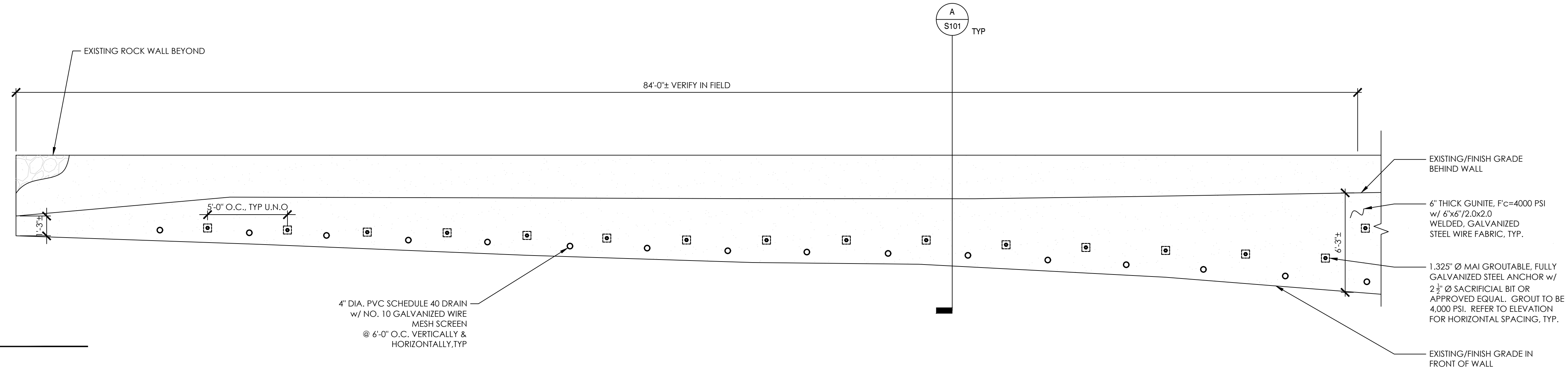
1. 6" THICK GUNITE AT REAR SLOPE OF PROPERTY
2. TOTAL 51 TIE BACKS SHALL BE INSTALLED.

**SCOPE OF WORK**

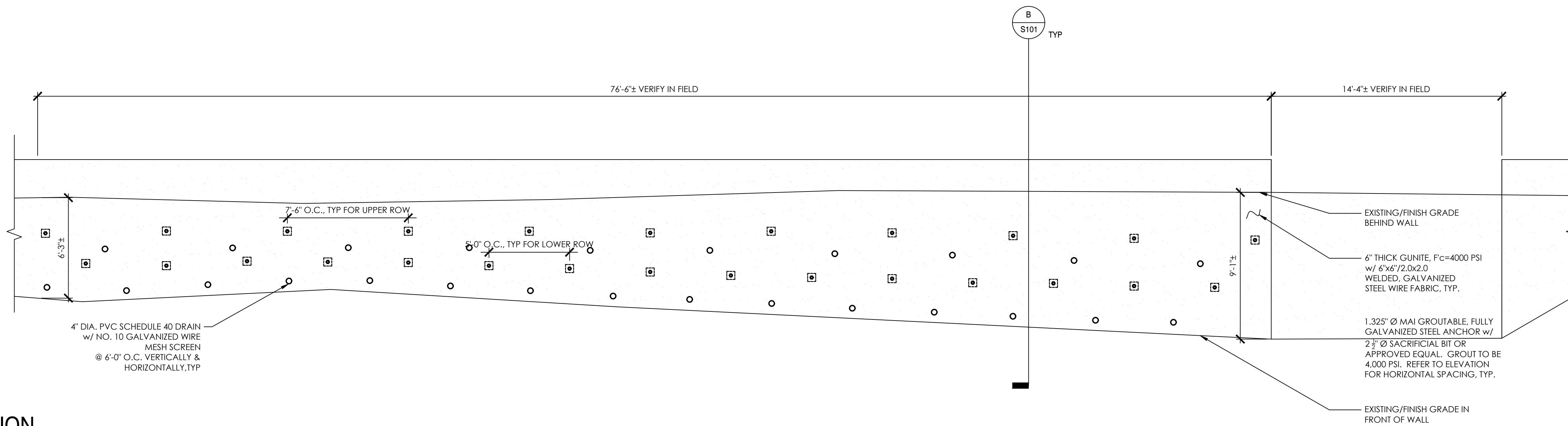
**SITE PLAN**  
SCALE: 1/16" = 1'-0"



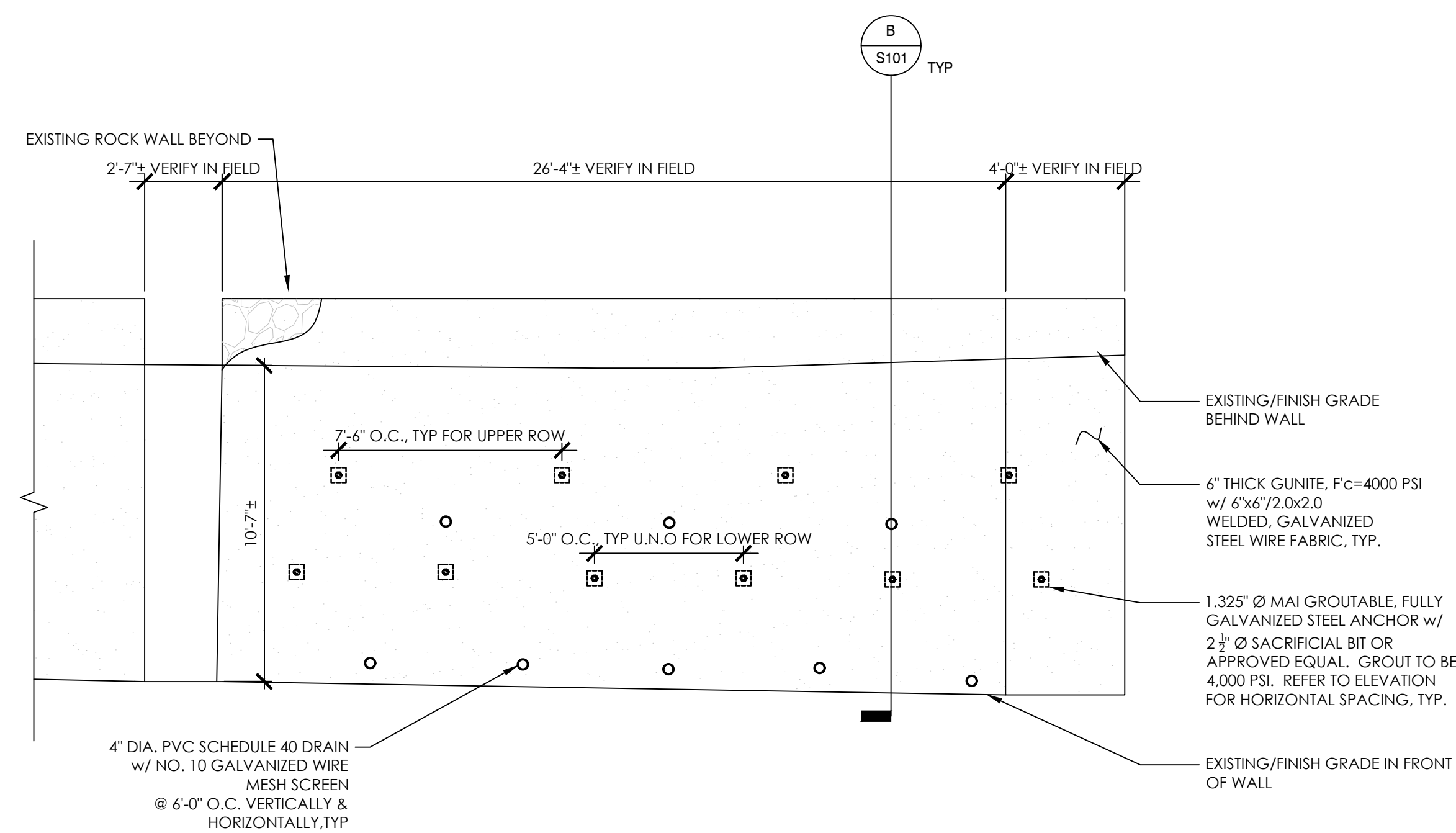




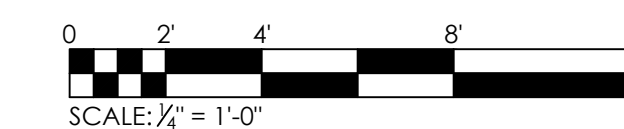
**A WALL ELEVATION**  
SCALE: 1/4"=1'-0"



**B WALL ELEVATION**  
SCALE: 1/4"=1'-0"



**C WALL ELEVATION**  
SCALE: 1/4"=1'-0"



JPB ENGINEERING, INC.  
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808.434.8108



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*Jonathan R. Brandt*  
EXP 4/30/22

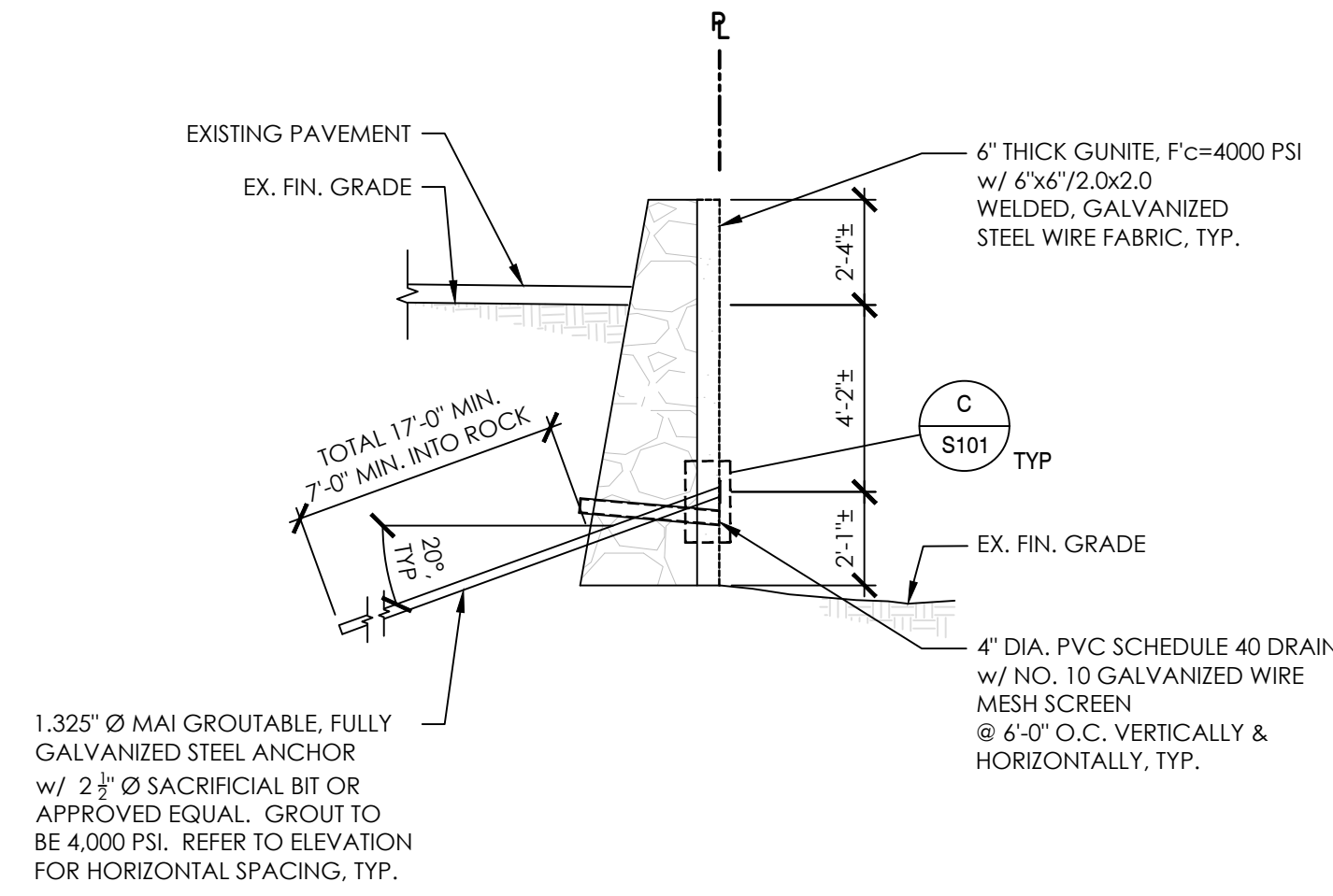
**RETAINING WALL REPAIRS FOR HAWAIIAN HOMELANDS**  
DEPARTMENT OF HAWAIIAN HOMELANDS  
2147 TANTALUS DRIVE, HONOLULU, OAHU, HAWAII  
TAXMAP KEY: 2-4-041:004, 2-4-041:002 & 2-4-041:001

REVISION	DATE
▲	
▲	
▲	

Title: **WALL ELEVATION**  
Project: **20114.01G**  
Date: **SEPTEMBER 2020**  
Drawn: **JL**  
Designed: **JL**  
Checked: **JC**  
DRAWING NO.

**S100**

Sheet of Sheets



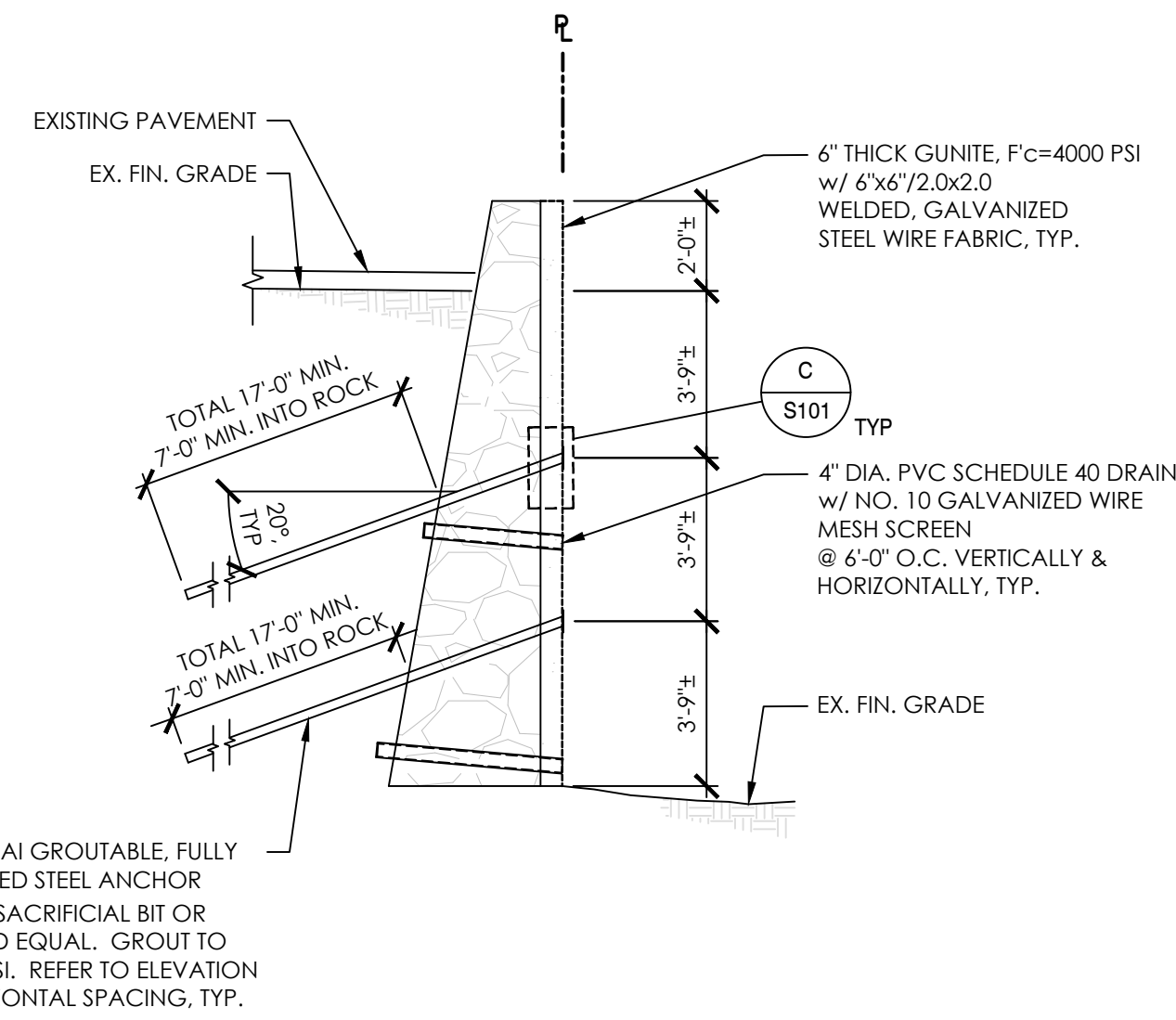
1.325" Ø MAI GROUTABLE, FULLY GALVANIZED STEEL ANCHOR w/ 2 1/2" Ø SACRIFICIAL BIT OR APPROVED EQUAL. GROUT TO BE 4,000 PSI. REFER TO ELEVATION FOR HORIZONTAL SPACING, TYP.

**RETAINING WALL NOTES:**

1. VEHICLES, CONSTRUCTION EQUIPMENT OR MATERIALS ARE NOT PERMITTED WITHIN 15 FEET OF THE EXISTING RETAINING WALL UNTIL THE WALL HAS BEEN STABILIZED.
2. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING AROUND EXISTING ELECTRICAL OVERHEAD LINES & AROUND EXISTING STRUCTURES.
3. LOCK-OFF LOAD FOR TIEBACK = 5 KIPS  
ALLOWABLE MAXIMUM LOAD FOR TIEBACK = 15 KIPS

**WALL SECTION**

SCALE: 1/4"=1'-0"



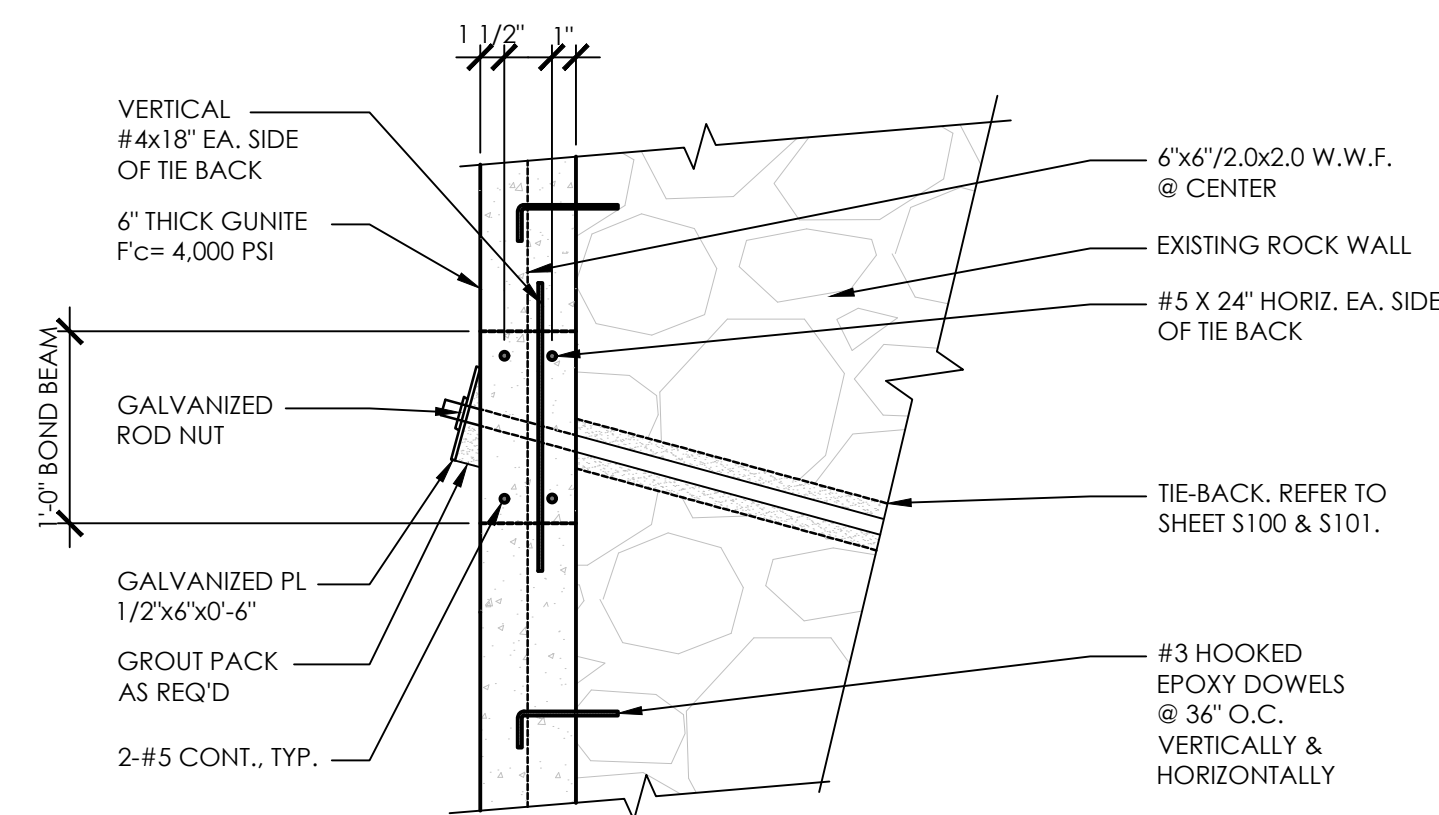
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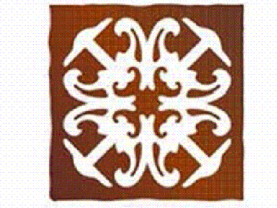
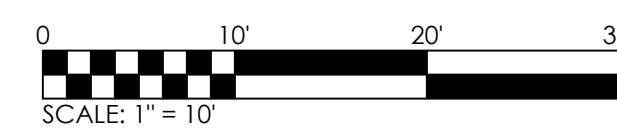
**WALL SECTION**

SCALE: 1/4"=1'-0"

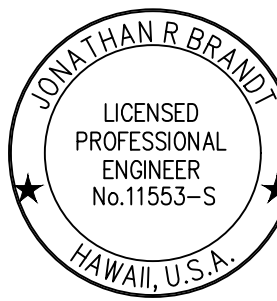


**STRUCTURAL DETAIL**

SCALE: 1"=1'-0"



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EXP 4/30/22

**RETAINING WALL REPAIRS**  
 FOR  
**DEPARTMENT OF HAWAIIAN HOMELANDS**  
 2147 TANTALUS DRIVE, HONOLULU, OAHU, HAWAII  
 TAXMAP KEY: 2-4-041:004, 2-4-041:002 & 2-4-041:001

REVISION	DATE
▲	
▲	

Title	WALL SECTION, STRUCTURAL DETAIL
Project	20114.01G
Date	SEPTEMBER 2020
Drawn	JL
Designed	JL
Checked	JC
DRAWING NO.	

**S101**