

RETAINING WALL REPAIRS FOR DEPARTMENT OF HAWAIIAN HOMELANDS 2403 KAULULAAU STREET

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 = 17.5 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 HUI IWA STREET, STE. #16
KANEHOE, HI 96744
(808)436-8108
DATE: AUGUST 7, 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.

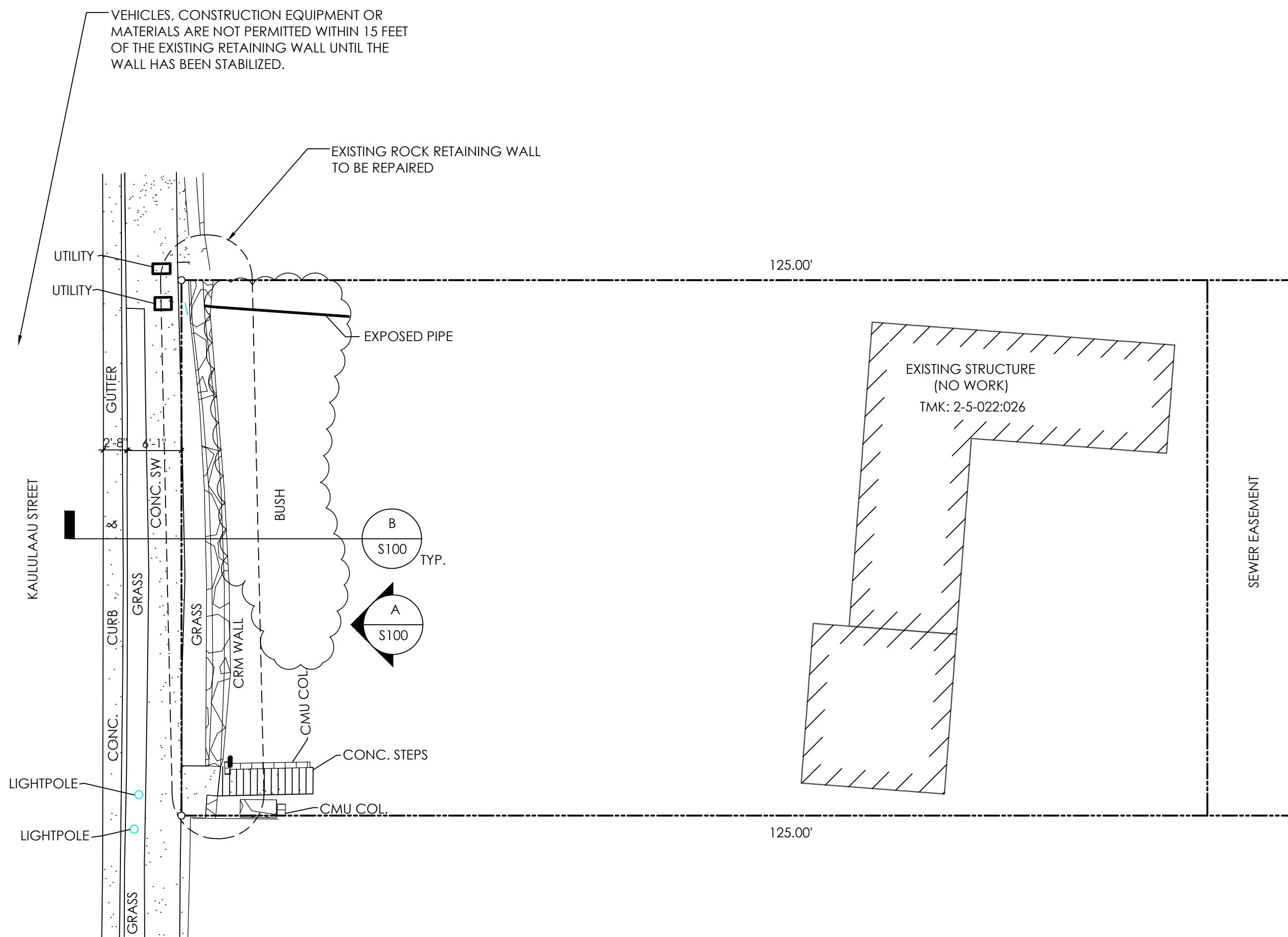
EROSION SEDIMENT CONTROL NOTES FOR MINOR DEVELOPMENT PROJECTS:

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 = 5 SQUARE FEET

GENERAL NOTES

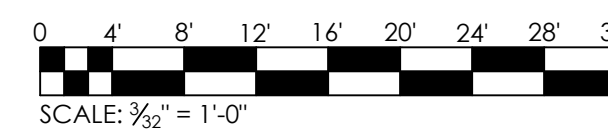
1. 6" THICK GUNITA AT REAR SLOPE OF PROPERTY
2. TOTAL OF 18 TIE BACKS SHALL BE INSTALLED.

SCOPE OF WORK



SITE PLAN

SCALE: 3/32" = 1'-0"



001
S100
GENERAL NOTES, SITE PLAN
WALL ELEVATION, WALL SECTION,
STRUCTURAL DETAIL

SHEET INDEX

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

PROJECT ADDRESS: 2404 KAULULAAU STREET
HONOLULU, HI 96813

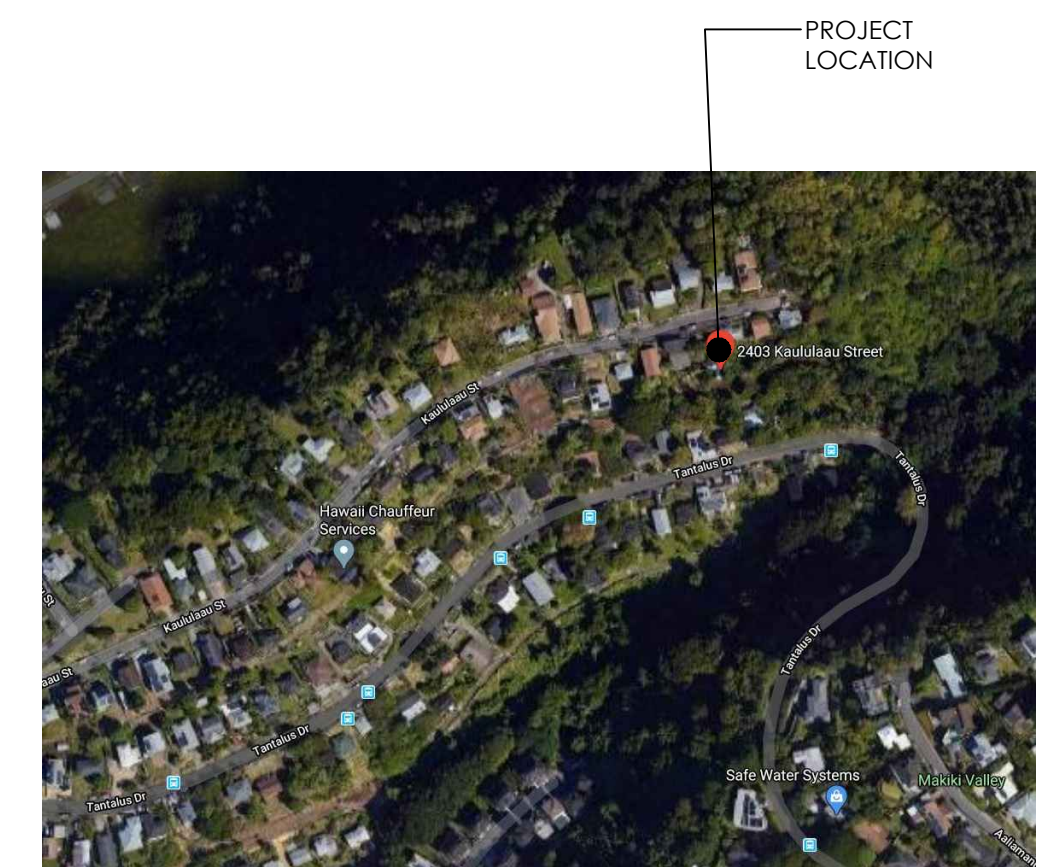
TAX MAP KEY: 2-5-022:026
LOT AREA: 7,500 SF
YEAR BUILT: 1950

FLOOD ZONE: X
HEIGHT LIMIT: 25' UNLESS SLOPING
SMA/SHORELINE: NOT IN SMA
LOT ZONING: R-5 RESIDENTIAL DISTRICT

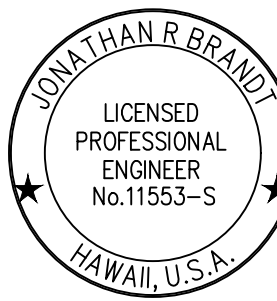
PROPERTY INFO



VICINITY MAP



JPB ENGINEERING, INC.
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(808)436-8108



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EXP 4/30/22

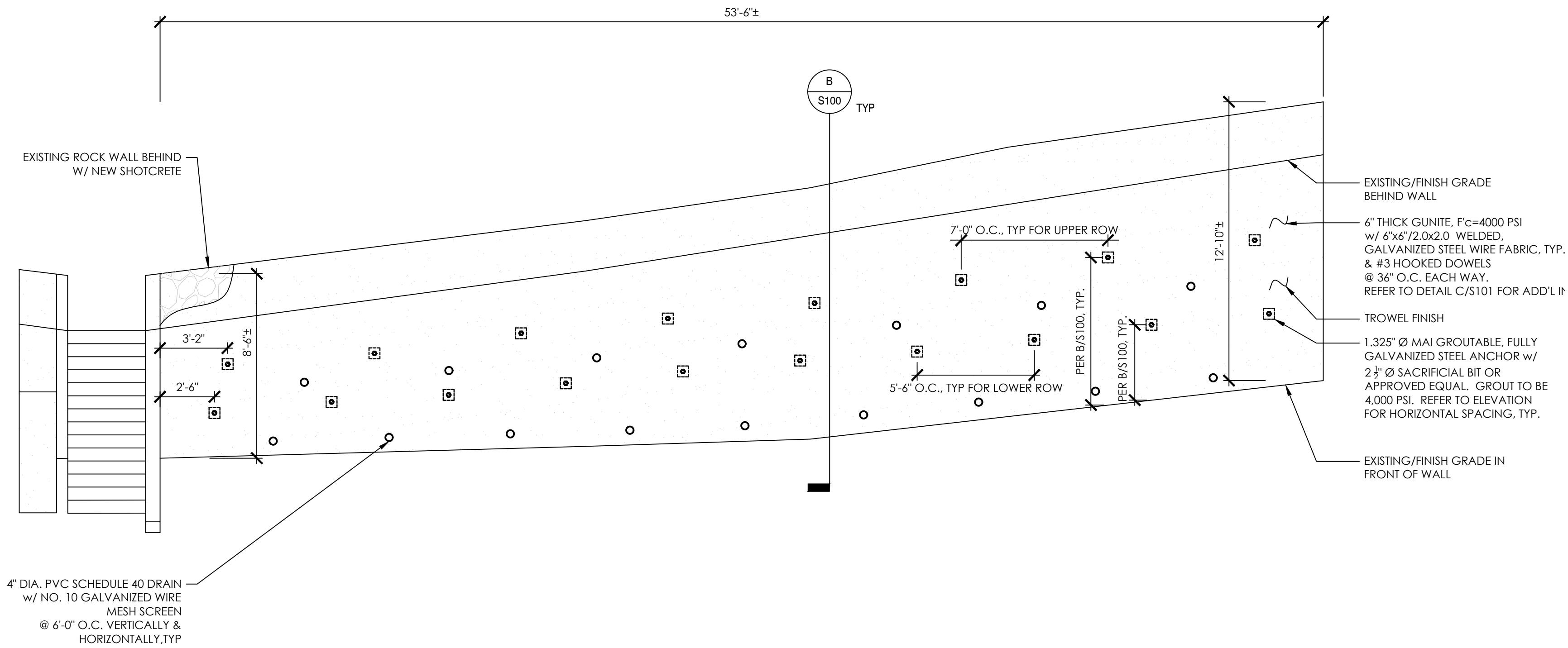
RETAINING WALL REPAIRS FOR DEPARTMENT OF HAWAIIAN HOMELANDS 2403 KAULULAAU STREET, HONOLULU, OAHU, HAWAII TAXMAP KEY: 2-5-022:026

REVISION	DATE

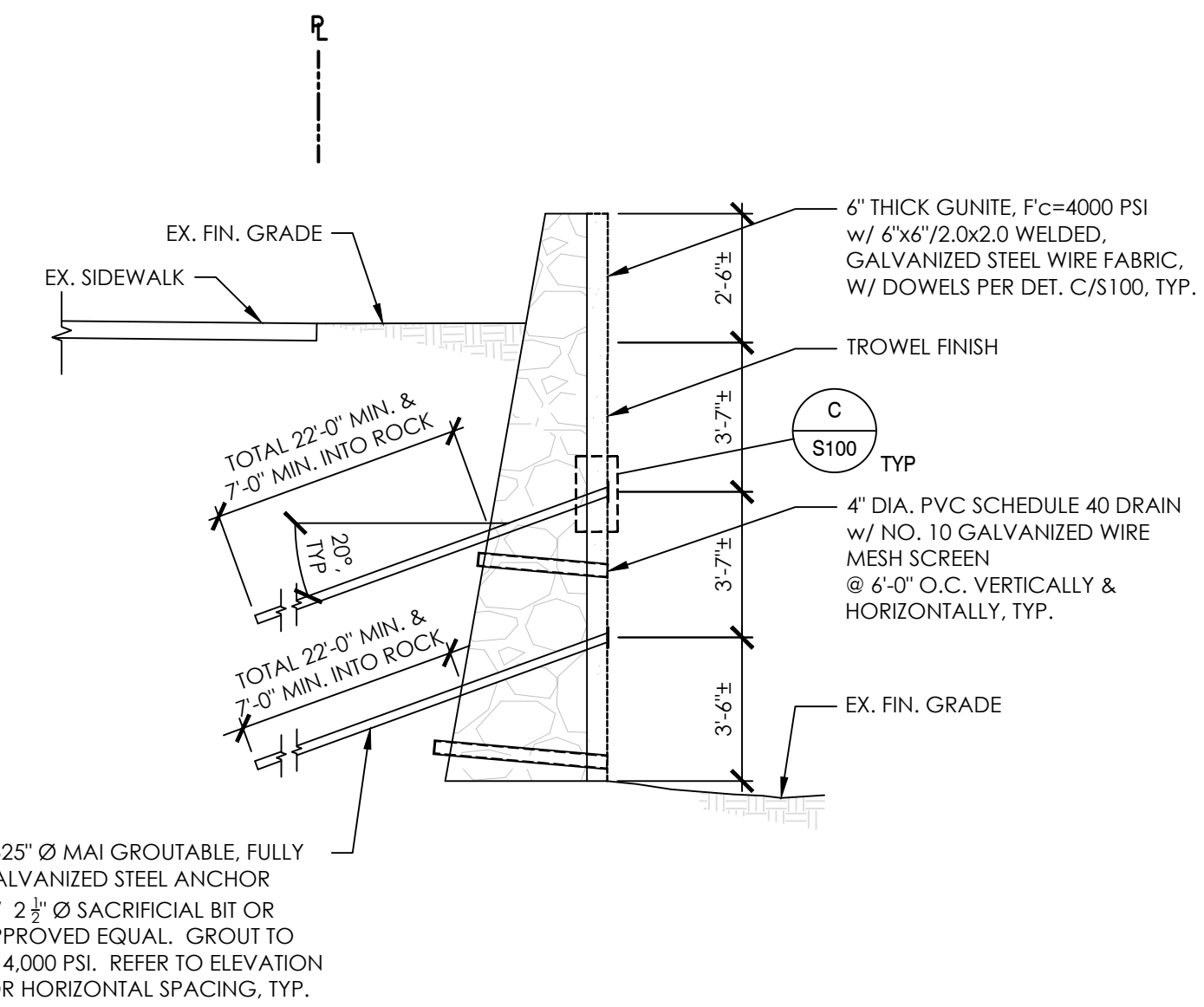
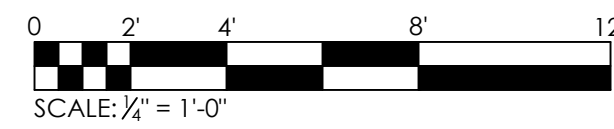
GENERAL NOTES, SITE PLAN
Title: 20114.01G
Project: SEPTEMBER 2020
Date: JL
Drawn: JL
Designed: JC
Checked: JC
Drawing No.

001

Sheet of Sheets



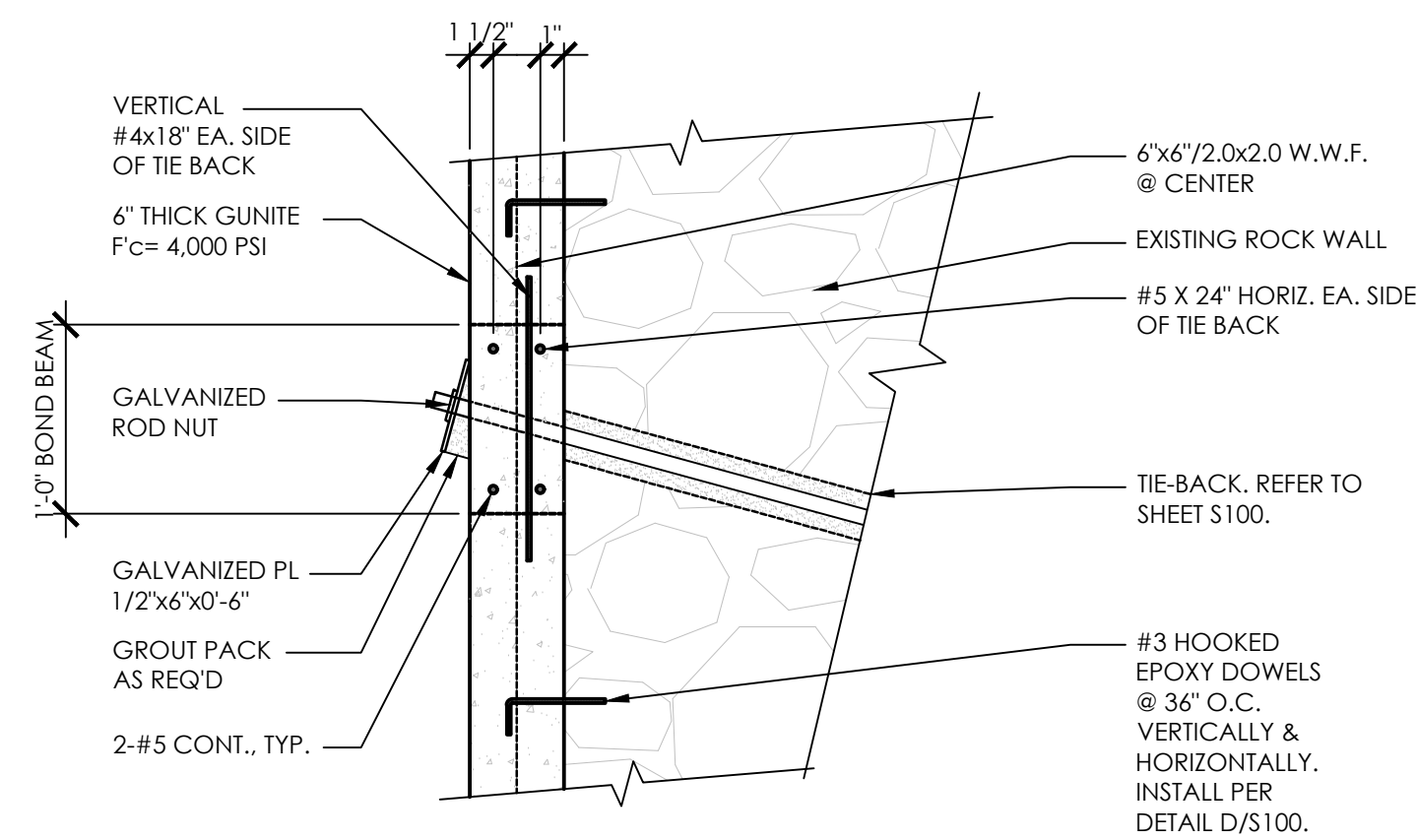
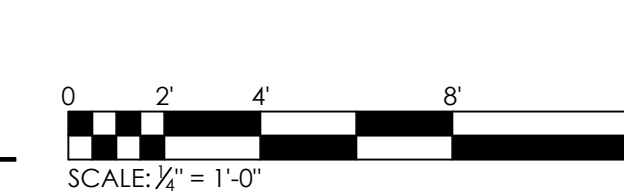
WALL ELEVATION
SCALE: 1/4"=1'-0"



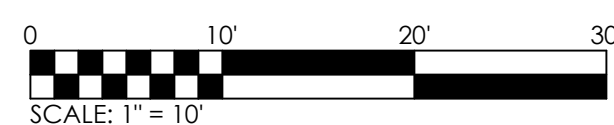
RETAINING WALL NOTES:

- VEHICLES, CONSTRUCTION EQUIPMENT OR MATERIALS ARE NOT PERMITTED WITHIN 15 FEET OF THE EXISTING RETAINING WALL UNTIL THE WALL HAS BEEN STABILIZED.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING AROUND EXISTING ELECTRICAL OVERHEAD LINES & AROUND EXISTING STRUCTURES INCLUDING UTILITIES.
- LOCK-OFF LOAD FOR TIEBACK = 5 KIPS
ALLOWABLE MAXIMUM LOAD FOR TIEBACK = 17.5 KIPS

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



STRUCTURAL DETAIL
SCALE: 1"=1'-0"

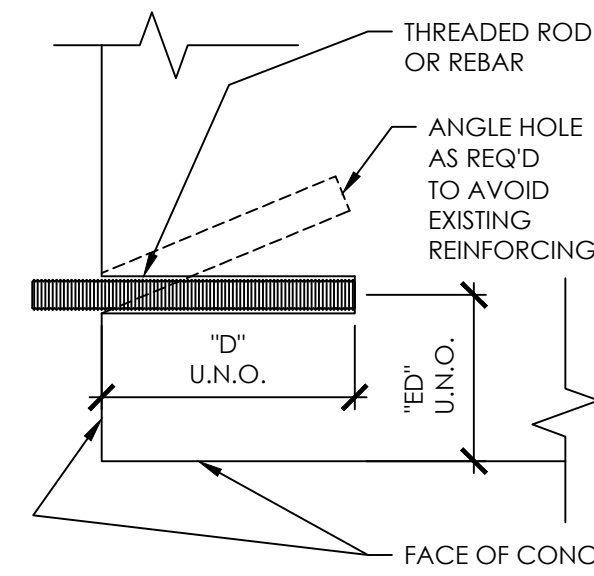


EPOXY ANCHORING PROCEDURE

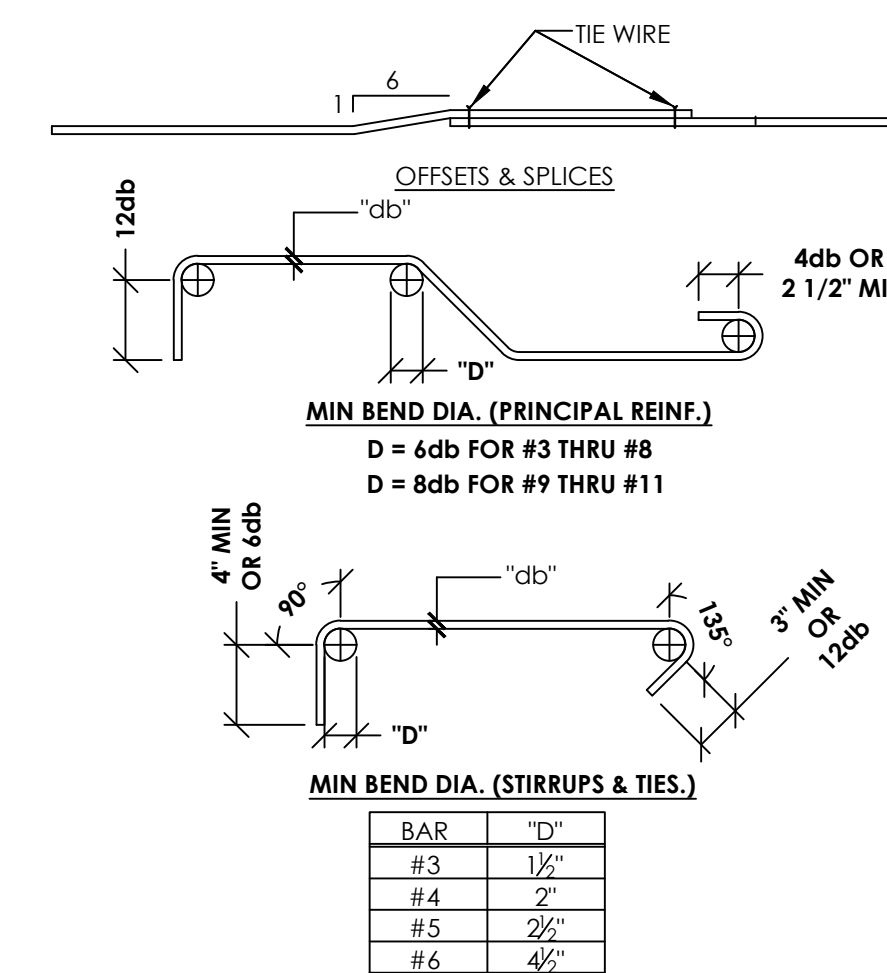
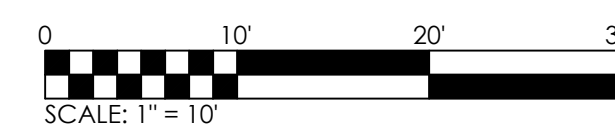
- DRILL HOLE TO SIZE AND DEPTH PER SCHEDULE, U.N.O. ON PLANS
- BLOW HOLE CLEAN FOR 4 SECONDS WITH 80 PSI COMPRESSED OIL-FREE AIR
- CLEAN WITH NYLON BRUSH FOR A MINIMUM OF 4 STROKES
- BLOW HOLE CLEAN A SECOND TIME FOR 4 SECONDS WITH 80 PSI COMPRESSED OIL-FREE AIR
- FILL HOLE 1/2 - 2/3 FULL WITH EPOXY STARTING FROM THE BACK OF THE HOLE
- INSERT ANCHOR INTO HOLE TURNING SLOWLY UNTIL ANCHOR CONTACTS BACK OF HOLE
- DO NOT DISTURB ANCHOR UNTIL EPOXY IS FULLY CURED. (APPROX. 24 HOURS)

REBAR SIZE NO.	THREADED ANCHOR DIA.	DRILL HOLE DIA.	MIN. EMBED "D"	MIN. EDGE "ED"
3	3/8"	1/2"	4"	3"

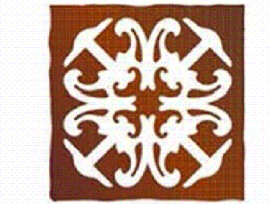
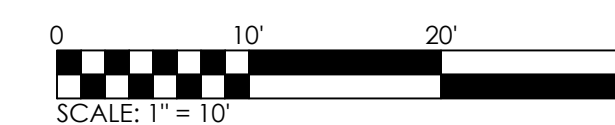
EPOXY SHALL BE SET EPOXY TIE ADHESIVE BY SIMPSON STRONG TIE (ICC# ESR-2508) OR HILTI HY 150 MAX (ICC# ESR-1967)



TYPICAL DOWEL DETAIL
SCALE: 1"=1'-0"



TYPICAL REINFORCEMENT BENDS
SCALE: 1"=1'-0"



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RETAINING WALL REPAIRS
FOR
DEPARTMENT OF HAWAIIAN HOMELANDS
2403 KAULALAAU STREET, HONOLULU, OAHU, HAWAII
TAXMAP KEY: 2-5-022:026

REVISION	DATE

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

S100

Sheet of Sheets