

CONSTRUCTION PLANS

FOR

KAUPEA LOT 243 WALL EXTENSION

91-1054 HOAKALEI ST.
KAPOLEI, HI 96707

OWNER AND DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS

TAX MAP KEY: 9-1-139:087



Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1286 Queen Emma Street
Honolulu, Hawaii

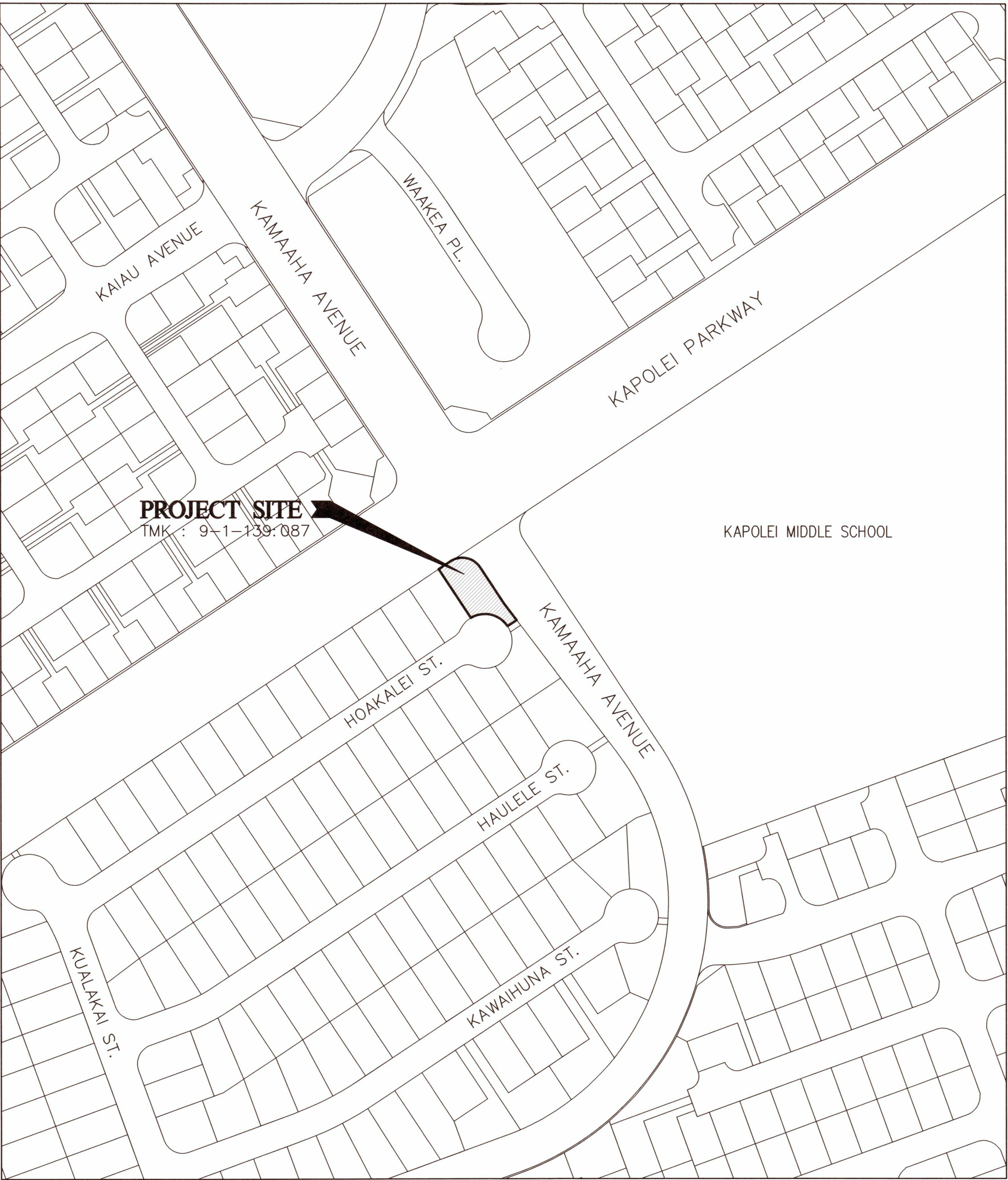
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APPROVED


CHAIRMAN, HAWAIIAN HOMES COMMISSION
DEPARTMENT OF HAWAIIAN HOME LANDS
STATE OF HAWAII

8/3/21
DATE



LOCATION MAP
NOT TO SCALE

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING AND PERMITTING

APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER:
APPROVED DATE: 07/02/21
BY: Tate Kwok


"Be a good neighbor build with aloha"

GENERAL NOTES

1. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL QUALITY.
2. NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW INTO EXISTING CITY DRAINAGE SYSTEMS, OR ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR SHALL IMMEDIATELY MAKE ANY REMEDIAL ACTIONS NECESSARY.
3. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.
4. THE UNDERGROUND PIPES, CABLES OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHEREVER CONNECTIONS OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER QUALITY AND WATER POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 54, "WATER QUALITY STANDARDS", AND TITLE 11, CHAPTER 55, "WATER POLLUTION CONTROL", AS WELL AS CHAPTER 14 OF THE REVISED ORDINANCES OF HONOLULU, AS AMENDED. BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED AT ALL TIMES DURING CONSTRUCTION.
6. ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES, AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF THE PUBLIC.
8. PURSUANT TO CHAPTER 6E, HRS, IN THE EVENT ANY ARTIFACTS OR HUMAN REMAINS ARE UNCOVERED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL IMMEDIATELY SUSPEND WORK AND NOTIFY THE HONOLULU POLICE DEPARTMENT, THE STATE DEPARTMENT OF LAND AND NATURAL RESOURCES—HISTORIC PRESERVATION DIVISION (692-8015). IN ADDITION, FOR NON-CITY PROJECTS, THE CONTRACTOR SHALL INFORM THE CIVIL ENGINEERING BRANCH, DEPARTMENT OF PLANNING AND PERMITTING (768-8084); AND FOR CITY PROJECTS, NOTIFY THE RESPONSIBLE CITY AGENCY.
9. DURING NON-WORKING HOURS, THE TRENCHES SHALL BE COVERED WITH NON-SKID STEEL PLATES.
10. ALL APPLICABLE CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1986 AND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1984, AS AMENDED, OF DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU AND THE COUNTIES OF KAUAI, MAUI, AND HAWAII.
11. CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS.
12. FOR BENCH MARK, SEE DWG NOS. C-XXX

DISABILITY AND COMMUNICATION ACCESS BOARD (DCAB) REQUIREMENTS

WHERE PEDESTRIAN WALKWAYS EXIST, THEY SHALL BE MAINTAINED IN PASSABLE CONDITION OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. PASSAGE BETWEEN WALKWAYS AT INTERSECTIONS SHALL LIKEWISE BE PROVIDED. TEMPORARY PEDESTRIAN PASSAGES SHALL BE ACCESSIBLE PER ADAAG 4.1.1 (4) AND SHALL COMPLY W/ADAAG 4.3.1.

ARCHAEOLOGICAL NOTE

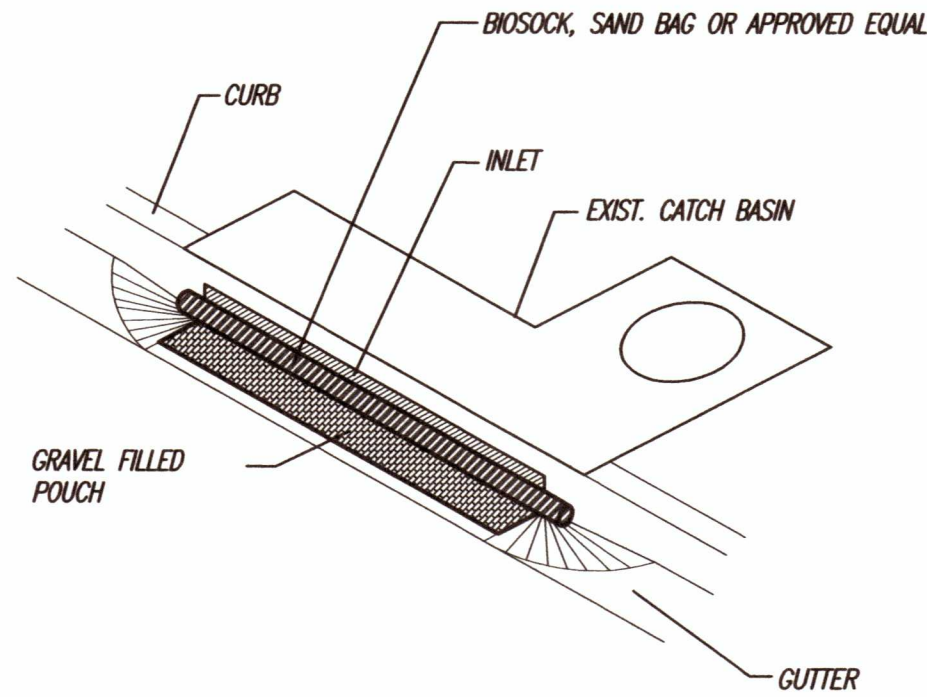
IF DURING CONSTRUCTION, ANY PREVIOUSLY UNIDENTIFIED SITES OR REMAINS (SUCH AS ARTIFACTS, SHELL, BONE, OR CHARCOAL DEPOSITS, HUMAN BURIALS, ROCK OR CORAL ALIGNMENTS, PAVINGS, OR WALLS) ARE ENCOUNTERED, THE APPLICANT SHALL STOP WORK AND CONTACT THE STATE DLNR HISTORIC SITES OFFICE AT 548-7460 IMMEDIATELY. WORK IN THE IMMEDIATE AREA SHALL BE STOPPED UNTIL THE OFFICE IS ABLE TO ASSESS THE IMPACT AND MAKE FURTHER RECOMMENDATIONS FOR MITIGATIVE ACTIVITY.

CONSTRUCTION BMPs

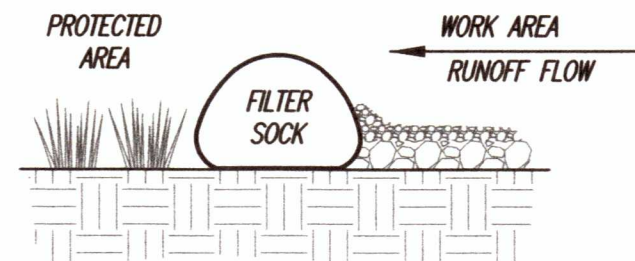
1. THE FOLLOWING SPECIAL CONDITIONS APPLY TO ALL LAND DISTURBANCE WORK CONDUCTED UNDER THE GENERAL PERMIT:
 - A. CONSTRUCTION MANAGEMENT TECHNIQUES INCLUDE:
 1. CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION.
 2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN AND SHALL BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT SHALL BE REPLACED AT THE END OF THE WORK DAY.
 3. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED, AS NECESSARY, WEEKLY IN DRY PERIODS AND WITHIN 24-HOUR PERIOD, DURING PROLONGED RAINFALL, DAILY CHECKING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.
 4. A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.
 - B. VEGETATION CONTROLS INCLUDE:
 1. PRE-CONSTRUCTION VEGETATIVE GROUND OR MULCH COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 20 CALENDAR DAYS PRIOR TO SITE DISTURBANCE.
 2. TEMPORARY SOIL STABILIZATION WITH APPROPRIATE VEGETATION OR MULCH SHALL BE APPLIED ON AREAS THAT WILL REMAIN UNFINISHED FOR MORE THAN 30 CALENDAR DAYS.
 3. PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION SHALL BE APPLIED AS SOON AS PRACTICABLE AFTER FINAL GRADING.
 - C. STRUCTURAL CONTROLS INCLUDE:
 1. ALL SURFACE WATER FLOWING TOWARD THE CONSTRUCTION AREA SHALL BE DIVERTED BY USING BERMS, CHANNELS, SEDIMENT TRAPS, AND OTHER APPROPRIATE CONTROL MEASURES, AS PRACTICAL.
 2. EROSION CONTROL MEASURES SHALL BE DESIGNED ACCORDING TO THE SIZE OF DISTURBED OR DRAINAGE AREAS, TO DETAIN RUNOFF AND TRAP SEDIMENT.
 3. WATER MUST BE DISCHARGED THROUGH A PIPE OR LINED CHANNEL SO THAT THE DISCHARGE DOES NOT CAUSE EROSION.
 4. STORM DRAIN INLET PROTECTION.
 - D. EROSION CONTROLS / BEST MANAGEMENT PRACTICE INCLUDE:
 1. GOOD HOUSEKEEPING SHALL BE UTILIZED TO ENSURE PROTECTION OF ROADWAYS FROM MUD, DIRT, AND DEBRIS.
 2. THE CONTRACTOR SHALL ENSURE THAT ALL TIRES OF CONSTRUCTION VEHICLES ARE SUFFICIENTLY CLEARED OFF SO THAT DIRT OR DEBRIS IS NOT TRACKED OFF THE CONSTRUCTION SITE. WASHING OFF TIRES WITH WATER WILL NOT BE ACCEPTABLE UNLESS THE RUNOFF IS CONTAINED AND DOES NOT ENTER THE STORM DRAIN SYSTEM OR ONTO THE ROADWAY.
 3. AT THE END OF GRADING OPERATIONS AND AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL INSPECT ALL CATCH BASIN, DRAIN INLET AND DRAIN MANHOLE SURROUNDING THE PROJECT SITE. ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE STORM DRAIN STRUCTURES SHALL BE REMOVED. PLEASE NOTE THAT FLUSHING INTO THE DRAIN STRUCTURES ARE PROHIBITED.
 4. ANY DIRT OR GRASSSED AREA DISTURBED SHALL BE RESTORED BY RE-GRASSING THE AREA OR BY SEEDED HYDROMULCH. THE GRASS SHALL BE FULLY ESTABLISHED AT COMPLETION OF PROJECT.

PUBLIC HEALTH, SAFETY AND CONVEYANCE NOTES

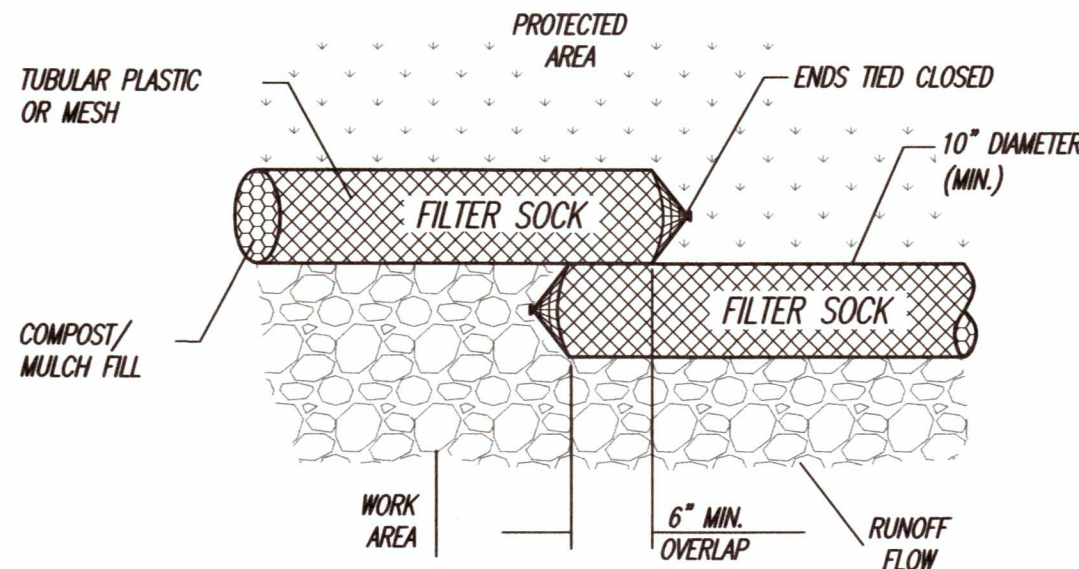
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2. THE CONTRACTOR AT HIS OWN EXPENSE SHALL KEEP THE PROJECT AND ITS SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH. CONTRACTOR SHALL BE IN CONFORMANCE WITH THE HAWAII ADMINISTRATIVE RULES, CHAPTER 11-60.1-33.
3. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES AND OTHER PROTECTIVE FACILITIES AND TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVEYANCE AND SAFETY OF THE PUBLIC.
4. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER UPON DISCOVERY OF STAINED SOIL OR OLFACTORY EVIDENCE OF A SUSPECTED PETROLEUM OR SOLVENT RELEASE INTO THE ENVIRONMENT. IF THERE ARE ANY FUEL SPILLAGES, EXISTING LEAKS, ETC. FOUND DURING CONSTRUCTION, REPORT THE FOREGOING TO THE HAZARDOUS EVALUATION AND EMERGENCY RESPONSE UNIT (PH. NO. 586-4249) OR THE DEPARTMENT OF HEALTH. FOR NON-WORKING HOURS, CALL THE STATE HOSPITAL OPERATOR (PH. NO. 247-2191).



DETAIL - SEDIMENT CONTROL FILTER
AT EXISTING CATCH BASIN
NOT TO SCALE



SECTION



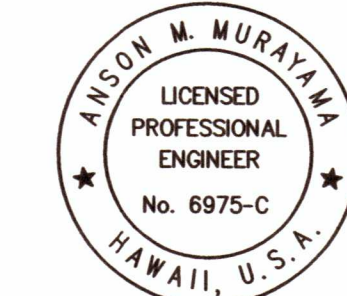
PLAN

DETAIL - FILTER SOCK
NOT TO SCALE

APPROVED

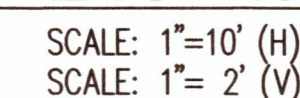
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PERMIT NUMBER:
APPROVED DATE: 07/02/21
BY: Tate Kwock



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.
LICENSE EXPIRATION DATE: 04/30/22

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1288 Queen Emma Street Honolulu, Hawaii			
KAUPE'A LOT 243 WALL EXTENSION			
91-1054 HOAKALEI ST. KAPOLEI, HI 96707 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEY: 9-1-139: 087			
GENERAL NOTES			
DRAWN BY: HH	ENGINEER: SS	CHECKED BY: AM	
APPROVED:			



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ME OR UNDER MY SUPERVISION.
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.
LICENSE EXPIRATION DATE: 04/30/

DRAWN BY: HH	ENGINEER: SS	CHECKED BY: AMM
APPROVED:		

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2012 INTERNATIONAL BUILDING CODE AS AMENDED BY CHAPTER 16 OF THE REVISED ORDINANCES OF HONOLULU.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS.
3. THE GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY UNLESS OTHERWISE SHOWN.
4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
5. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ENGINEER.
6. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE START OF THE JOB AND NOTIFY ALL DISCREPANCIES TO THE ARCHITECT.
7. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
8. DURING THE CONSTRUCTION PERIOD THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING AND THE PROTECTION OF ADJACENT PROPERTIES, STRUCTURES, STREETS AND UTILITIES FROM DAMAGE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY STANDARDS. ANY DEVIATION MUST BE APPROVED BY OSHA.
10. THE CONTRACTOR SHALL NOTIFY ENGINEERING (PH. 536-1692) TWO (2) WORKING DAYS PRIOR TO BEGINNING ANY WORK WHICH WILL CONCEAL STRUCTURAL ELEMENT SUCH AS POURING CONCRETE (CONCEALING REINFORCING) OR SHEATHING WALLS (CONCEALING HOLD DOWN ANCHORS).

REINFORCED CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-11.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT (150 PCF) WITH AGGREGATES CONFORMING TO ASTM C-33. UNLESS OTHERWISE NOTED, THE COMPRESSIVE STRENGTHS OF CONCRETE AT 28 DAYS AND MAXIMUM AGGREGATE SIZES SHALL BE AS FOLLOWS:
- | STRENGTH | AGGREGATE SIZE |
|----------|----------------|
| FOOTING | 2500 PSI 3/4" |
3. MAXIMUM WATER-CEMENT RATIO SHALL NOT EXCEED 0.55.
4. ALL REINFORCING STEEL EXCEPT TIES AND STIRRUPS SHALL CONFORM TO ASTM A615 GRADE 60. TIES, STIRRUPS AND REBARS TO BE WELDED SHALL BE ASTM A615 GRADE 40.
5. UNLESS OTHERWISE NOTED, SPLICES, LAPS, DOUEL EXTENSIONS AND EMBEDMENTS SHALL BE 48 BAR DIAMETERS BUT NOT LESS THAN 24" MINIMUM.
6. ALL REINFORCING BARS MARKED CONTINUOUS (CONT.) ON THE PLANS SHALL BE LAPPED 48 BAR DIAMETERS MINIMUM, BUT NOT LESS THAN 2'-0".
7. STAGGER ALL SPLICES WHERE POSSIBLE.
8. ALL WELDING OF REINFORCING SHALL CONFORM TO 'STRUCTURAL WELDING CODE - REINFORCING STEEL' (AWS D1.4).
9. REBARS SHALL BE SUPPORTED, BENT AND PLACED AS PER 'MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES' ACI 315 (LATEST).
10. MINIMUM COVER IN INCHES FOR REBARS FOR CAST-IN-PLACE CONCRETE:

CONCRETE CAST AGAINST EARTH	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:	
#5 AND SMALLER	1-1/2"
#6 AND LARGER	2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
SLABS, WALLS, AND JOISTS	3/4"
BEAMS AND COLUMNS	1-1/2"

11. WELDED WIRE FABRIC SHALL BE GALVANIZED AND CONFORM TO ASTM A-185.
12. UNLESS OTHERWISE SHOWN LAP OUTERMOST CROSS WIRES OF EACH SHEET OF WELDED WIRE FABRIC ONE SPACING OF CROSS WIRES PLUS 2' MINIMUM.
13. AT TIME CONCRETE IS PLACED, REINFORCING SHALL BE FREE FROM MUD, OIL, LAITANCE OR OTHER COATINGS ADVERSELY AFFECTING BOND CAPACITY.
14. REINFORCEMENT, ANCHOR BOLTS, SIMPSON CONNECTORS, DOWELS AND ALL OTHER EMBEDDED ITEMS SHALL BE POSITIVELY SECURED BEFORE POURING.

CONCRETE MASONRY - CMU

1. CONCRETE BLOCK, GRADE N, MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90 WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI.
2. MORTAR SHALL BE MORTAR CEMENT, TYPE M OR S CONFORMING TO ASTM C270. MORTAR SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2800 PSI AT 28 DAYS.
3. GROUT, CONFORMING TO ASTM C476, MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. COARSE GROUT SHALL BE A MIX OF: 1 PART CEMENT, 3 PARTS SAND, 2 PARTS PEA GRAVEL, TO BE OF FLUID CONSISTENCY (9" MINIMUM SLUMP).
4. THE THICKNESS OF GROUT BETWEEN BLOCK UNITS AND REINFORCING STEEL SHALL BE NOT LESS THAN 1/2", BETWEEN PARALLEL REINFORCING BARS, NOT LESS THAN 3/4".
5. IF WORK IS STOPPED ONE (1) HOUR OR LONGER, PROVIDE HORIZONTAL CONSTRUCTION JOINTS BY STOPPING THE GROUT 1-1/2' BELOW THE TOP OF THE BLOCK.
6. ALL CELLS SHALL BE GROUTED SOLID. GROUT IN LIFTS NOT TO EXCEED 6'-0".
7. GROUT SHALL BE VIBRATED 3 TO 5 MINUTES AFTER POUR.
8. UNLESS NOTED OTHERWISE ALL WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND.
9. PROVIDE CONTROL JOINTS AT THE FOLLOWING:
WALL HEIGHT CHANGES GREATER THAN 2'-0"
WALL THICKNESS CHANGES (THOUGH NOT AT PILASTERS)
AT CONTROL JOINTS IN FOUNDATION, SLAB OR ROOF AT 60'-0" O.C. MAXIMUM

REINFORCING FOR CONCRETE MASONRY

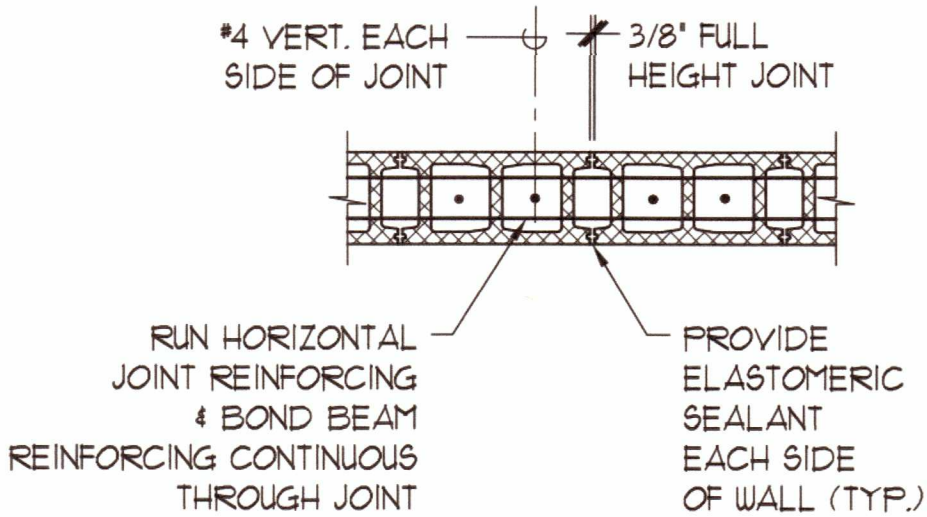
1. ALL REINFORCING STEEL BARS (EXCEPT STIRRUPS AND TIES) SHALL CONFORM TO ASTM A615 GRADE 60. STIRRUPS AND TIES SHALL CONFORM TO ASTM A615 GRADE 40.
2. UNLESS OTHERWISE NOTED, SPLICES, LAPS, DOUEL EXTENSIONS AND EMBEDMENTS SHALL BE 48 BAR DIAMETERS.
3. AT ALL LINTELS, EXTEND HORIZONTAL BOTTOM REINFORCING 24" BEYOND OPENINGS. PROVIDE 2 - #5 BOTTOM BARS MINIMUM IN ALL LINTELS.
4. WHEREVER POSSIBLE, BOND BEAMS OF INTERSECTING WALLS SHALL BE CONSTRUCTED AT THE SAME ELEVATION. WHERE BOND BEAMS OF INTERSECTING WALLS DO NOT MATCH, BOND BEAM REINFORCING SHALL BE EMBEDDED INTO THE INTERSECTING WALL A MINIMUM OF 48 BAR DIAMETERS AND GROUTED.

DESIGN CRITERIA

1. CODES: 2012 INTERNATIONAL BUILDING CODE
2. ASSUMED FOUNDATION DESIGN CRITERIA
- | | |
|-------------------------|----------|
| ALLOWABLE BEARING | 2500 PSF |
| PASSIVE RESISTANCE | 300 PCF |
| COEFFICIENT OF FRICTION | 0.3 |
3. LATERAL FORCES
- | | |
|-----------------------------|-------|
| SEISMIC | |
| MAFFED SPECTRAL RESPONSE | 0.552 |
| Ss | 0.155 |
| S1 | D |
| SITE CLASS | D |
| SEISMIC IMPORTANCE FACTOR I | 1.0 |
| RISK CATEGORY | II |
| SEISMIC DESIGN CATEGORY | D |
- | | |
|-----------------------------|---------|
| WIND | |
| RISK CATEGORY | II |
| EFFECTIVE WIND SPEED (VULT) | |
| (3 SECOND GUST) | 135 MPH |
| WIND EXPOSURE | B |
| Kd DIRECTIONALITY FACTOR | 0.75 |

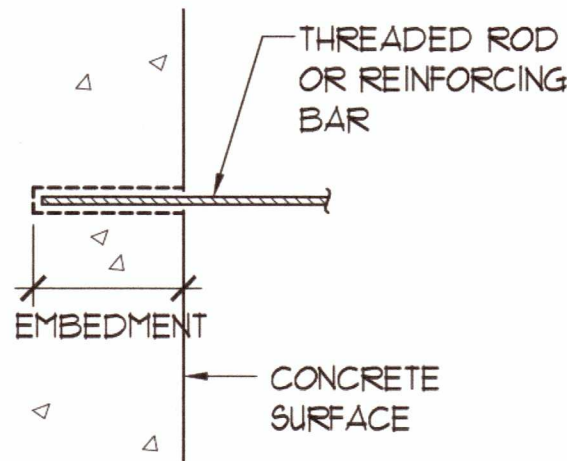
SPECIAL INSPECTION

1. ITEMS REQUIRING SPECIAL INSPECTION:
REINFORCING STEEL (PERIODIC)
MASONRY (2012 IBC TABLE 1705.4)
2. NOTIFY SPECIAL INSPECTOR 4 WORKING DAYS PRIOR TO NEED OF INSPECTION SERVICES.
3. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SPECIAL INSPECTION REQUIREMENTS INCLUDING THE IDENTITY AND CONTACT INFORMATION OF THE SPECIAL INSPECTOR RESPONSIBLE FOR EACH REQUIREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN A TIMELY MANNER IF SPECIAL INSPECTIONS ARE NOT DONE THE CERTIFICATE OF OCCUPANCY MAY NOT BE ISSUED BY THE COUNTY.



WALL CONTROL JOINT (W.J.)

SC: 3/4" = 1'-0"



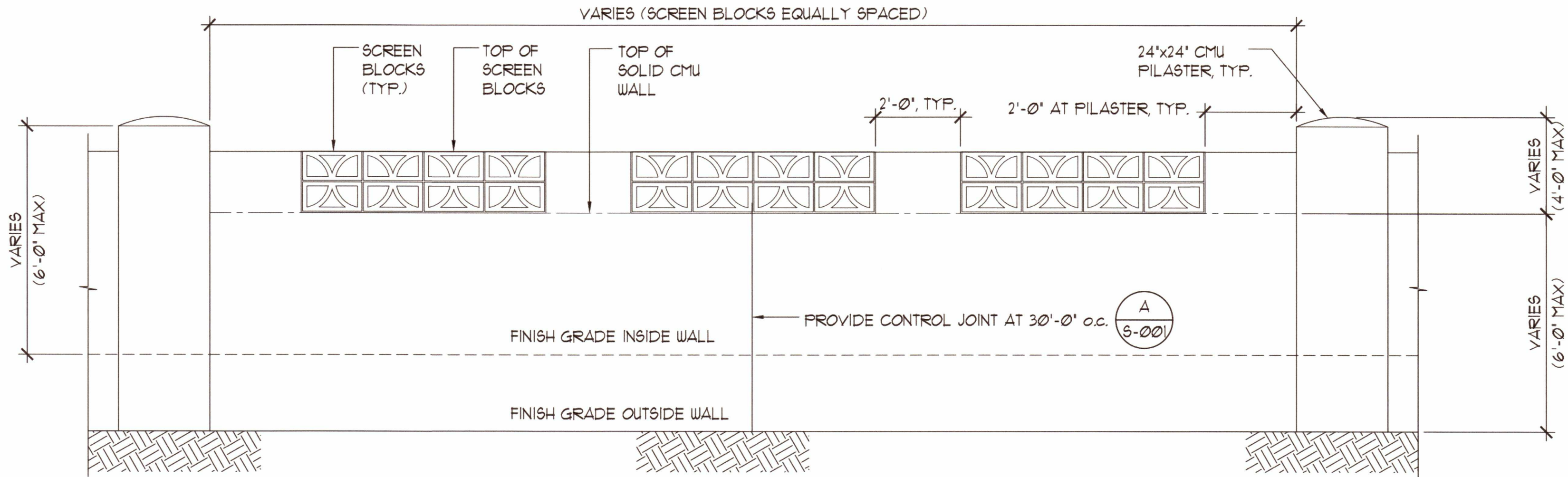
THREADED ROD (REBAR)	DRILL BIT DIAMETER	MINIMUM EMBEDMENT
1/2" (#4)	5/8"	4"
5/8" (#5)	3/4"	6"
3/4" (#6)	7/8"	7"
7/8" (#7)	1"	8"

NOTES:

- A. PRE APPROVAL FOR SIMPSON STRONG TIE SET-XP EPOXY TIE ADHESIVE. ALL SUBSTITUTION REQUEST SHALL BE SUBMITTED WITH CURRENT ICC-ESR REPORT TO ENGINEER FOR REVIEW AND APPROVAL.
- B. ALL THREAD ROD SHALL BE CARBON STEEL CONFORMING TO ASTM F1554, GRADE 36 HOT DIP GALVANIZED. REINFORCING BAR SHALL BE ASTM A615 GRADE 60. PRE DRILL HOLE WITH DRILL BIT COMPLYING WITH ANSI B212.15-1934. C. D. CLEAN HOLE WITH OIL FREE COMPRESSED AIR (80 PSI MINIMUM) AND NYLON BRUSH.
- C. FILL HOLE HALF TO TWO THIRDS FULL WITH ADHESIVE STARTING FROM BOTTOM, THEN INSERT ANCHOR TO BOTTOM OF HOLE AND TWIST CLOCKWISE TO ENSURE ADHESIVE COVERS THE ANCHOR SURFACE. ADHESIVE MUST BE LEVEL WITH CONCRETE SURFACE AFTER INSERTION OF ANCHOR.
- D. ANCHOR INSTALLATION REQUIRES SPECIAL INSPECTION. CONTRACTOR SHALL USE SIMPSON ARC (ADHESIVE RETAINING CAP) AS NEEDED FOR HORIZONTAL AND OVERHEAD APPLICATIONS.
- E. PROVIDE STANDARD WASHER UNDER NUT UNLESS NOTED OTHERWISE.

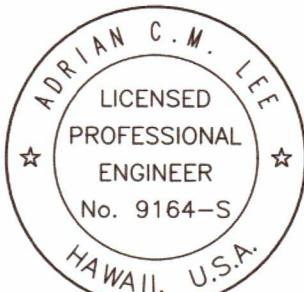
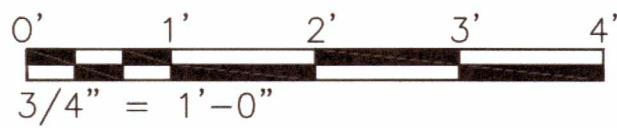
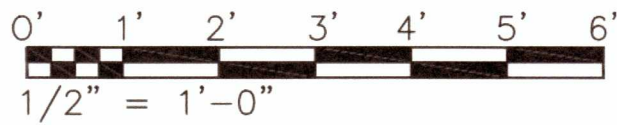
EPOXY ANCHOR DETAIL

NO SCALE



TYPICAL WALL ELEVATION

SC: 1/2"=1'-0"



Adrian Lee
04/30/22
Expiration Date of the License

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/22

APPROVED

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REVISION DATE	DESCRIPTION	MADE BY	APPROVED

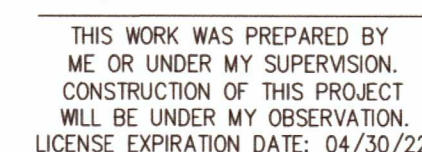
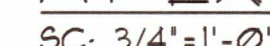
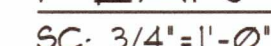
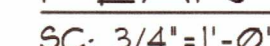
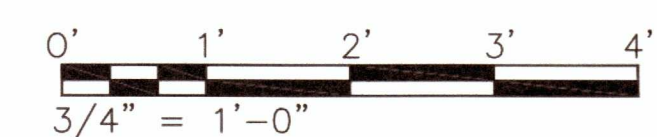
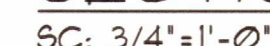
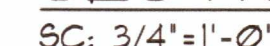
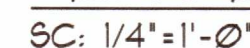
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1288 Queen Emma Street Honolulu, Hawaii
KAUPE'A LOT 243 WALL EXTENSION
91-1054 HOAKALEI ST. KAPOLEI, HI 96707 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEY: 9-1-139: 087

GENERAL NOTES AND TYPICAL DETAILS

DRAWN BY: MA	ENGINEER: AL	CHECKED BY: AL
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APPROVED:

**Be a good neighbor build with aloha*



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