

STATE OF HAWAII  
 DEPARTMENT OF LAND AND NATURAL RESOURCES  
 ENGINEERING DIVISION  
 FOR  
 DIVISION OF STATE PARKS

JOB NO. J45CO49B

# DIAMOND HEAD STATE MONUMENT ROCKFALL MITIGATION, PHASE 2 (FY2015)

HONOLULU, OAHU, HAWAII

TAX MAP KEY (4)3-1-042:006, (4)3-1-042:014

PREPARED BY:

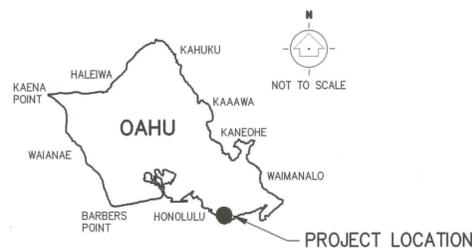


1001 BISHOP ST, SUITE 1600  
 HONOLULU, HAWAII 96813

LOCATION MAP

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**CONSTRUCTION NOTES**

- ALL APPLICABLE CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1986," AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, SEPTEMBER 1984," AS AMENDED, OF THE DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU, AND THE COUNTIES OF KAUAI, MAUI AND HAWAII.
- 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 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.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, APPURTENANCES, AND STRUCTURES WHERE SHOWN IN THESE PLANS ARE BASED ON AVAILABLE RECORDS, VERIFIED WHENEVER POSSIBLE BY FIELD OBSERVATIONS. NO GUARANTEE IS MADE ON THE ACCURACY OR COMPLETENESS OF SAID INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND SHALL PROTECT SUCH UTILITIES AT ALL TIMES. DAMAGE TO EXISTING UTILITIES AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. PROTECTION AGAINST INJURY TO PERSONNEL RESULTING FROM CONTACT WITH THE EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- PURSUANT TO CHAPTER 6E, HRS, IN THE EVENT ANY ARTIFACTS OR HISTORIC FEATURES ARE UNCOVERED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL IMMEDIATELY SUSPEND WORK AND NOTIFY THE STATE HISTORIC PRESERVATION DIVISION (692-8015) AND THE STATE PARKS ARCHAEOLOGIST (578-0286), AND THE ENGINEER. IN THE EVENT ANY SUSPECTED HUMAN REMAINS ARE UNCOVERED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL IMMEDIATELY SUSPEND WORK AND NOTIFY THE HONOLULU POLICE DEPARTMENT, THE STATE HISTORIC PRESERVATION DIVISION (692-8015) AND THE STATE PARKS ARCHAEOLOGIST (578-0286), AND THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION IN WRITING. CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE INFORMATION SHOWN ON THESE PLANS AND THE PROJECT DOCUMENTS. ANY MODIFICATION OR REPLACEMENT OF UNACCEPTED WORK DUE TO INCORRECT INTERPRETATION OF INFORMATION SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL RESTORE, TO THEIR ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE STATE, ALL IMPROVEMENTS AND NATURAL FEATURES DAMAGED DIRECTLY OR INDIRECTLY AS A RESULT OF THE PROJECT AND CONSTRUCTION, INCLUDING STREAMS, TRAILS, ETC. ANY RESTORATION TO HISTORIC ELEMENTS SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL SUBMIT A STATEMENT OF WORK AND A HEALTH AND SAFETY PLAN SPECIFIC TO THIS PROJECT FOR THE ENGINEER'S APPROVAL PRIOR TO COMMENCING WORK. NO WORK SHALL COMMENCE WITHOUT AN APPROVED STATEMENT OF WORK AND A HEALTH AND SAFETY PLAN.
- NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE ROCKS, SOIL, OR DEBRIS IN ANY FORM TO FALL, SLIDE, OR FLOW INTO EXISTING DRAINAGE SYSTEMS, OR ADJOINING PROPERTIES, STREETS, DOWNSLOPE AREAS, OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY AT NO ADDITIONAL COST TO THE STATE.
- CONTRACTOR SHALL COORDINATE WITH THE STATE DLNR PARKS DIVISION IN REGARDS TO VEHICLE PARKING, SITE ACCESS, AND STAGING OF MATERIALS AND EQUIPMENT DURING CONSTRUCTION. ANY DAMAGES TO THE EXISTING PROPERTIES AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AND RESTORED TO THE ORIGINAL CONDITION OR BETTER AT THE CONTRACTOR'S EXPENSE.
- CONTRACTORS WORKING AT HEIGHT - A FALL PROTECTION PLAN IS REQUIRED WHENEVER A WORKER IS WORKING AT HEIGHT. THE PLAN SHALL BE AVAILABLE AT THE WORK SITE AT ALL TIMES. WORKERS AFFECTED BY THE FALL PROTECTION PLAN SHALL BE TRAINED IN ALL ITS ELEMENTS AND THE PLAN SHALL BE MADE AVAILABLE TO THEM. ALL WORKERS WORKING ON STEEP SLOPES ARE REQUIRED TO HAVE A CERTIFICATE OF TRAINING OR TRAINING REFRESHER COURSE FROM AN INDEPENDENT GOVERNMENT APPROVED OR COMMERCIAL TRAINING FACILITIES FOR WORKING AT HEIGHT DATED NO LATER THAN 24 MONTHS PRIOR TO BEING ON STEEP SLOPES. NO PERSONS SHALL BE ALLOWED ON STEEP SLOPES WITHOUT SUCH CERTIFICATION.
- TOPOGRAPHIC SURVEY WAS CONDUCTED IN 2007. CURRENT GEOLOGICAL CONDITIONS MAY VARY FROM THAT SHOWN ON THIS PLAN. CONTRACTOR SHALL VERIFY AND MARK ALL MITIGATION AREAS WITH THE ENGINEER PRIOR TO STARTING WORK.
- ANY UNUSED DRILLED ANCHOR HOLE(S) SHALL BE BACKFILLED WITH GROUT, OR OTHER MATERIAL APPROVED BY THE ENGINEER IN WRITING, BY THE CONTRACTOR PRIOR TO DEMOBILIZATION AT NO ADDITIONAL COST TO THE STATE. IF IT IS DETERMINED BY THE ENGINEER THAT THE ANCHOR HOLE LOCATION IS VISIBLE FROM THE TRAIL, GROUT SHALL BE SCULPTED AND TINTED TO MATCH THE SURROUNDING GEOLOGY IN COLOR AND TEXTURE AT NO ADDITIONAL COST TO THE STATE.
- ALL ROCK DOWELS AND ANCHORS SHALL BE GROUTED IN THE PRESENCE OF THE ENGINEER. ANY GROUTING PERFORMED WITHOUT THE ENGINEER'S PRESENCE IS GROUNDS FOR REJECTION OF THE DOWEL OR ANCHOR AT THE CONTRACTOR'S EXPENSE. IN ADDITION, THE CONTRACTOR SHALL BE PREPARED TO DEMONSTRATE AND VERIFY TO THE ENGINEER THE DEPTH OF ANY ANCHOR HOLE OR ANCHOR INSTALLED.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS. STATE WILL OBTAIN ENVIRONMENTAL PERMITS.

**CONSTRUCTION NOTES (CONT.)**

- PRIOR TO MOBILIZATION TO THE SITE, CONTRACTOR SHALL SUBMIT A METHOD STATEMENT PLAN FOR THE ENGINEER'S REVIEW AND APPROVAL DESCRIBING ALL ASPECTS OF THIS CONSTRUCTION WORK IN FINE DETAILS INCLUDING MOBILIZATION, STAGING, ANY DRILLING OPERATION, SHOTCRETING, AND OTHER RELATED WORK. CONTRACTOR SHALL NOT MOBILIZE TO THE SITE WITHOUT FIRST RECEIVING THE APPROVED METHOD STATEMENT PLAN.
- CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND DEBRIS FROM THE TRAIL AT THE END OF EACH WORKING DAY. TRAIL MUST BE BUSINESS-READY AT THE BEGINNING OF EACH DAY TO RECEIVE VISITORS AND BE SAFE FOR PUBLIC USE..
- CONTRACTOR SHALL HIRE A PROFESSIONAL INDEPENDENT SECURITY GUARD DURING PARK CLOSURES AT NO ADDITIONAL COST TO THE STATE. THE SECURITY GUARD SHALL BE FLUENT IN ENGLISH AND SHALL BE ABLE TO COMMUNICATE EFFECTIVELY WITH THE VISITING PUBLIC AND THE PARKS STAFF.
- ALL GROUTED ANCHORS AND DOWELS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO COVERING THE ANCHOR OR DOWEL WITH CONCRETE PLUG OR CAP. ANY PLUGGING OF ANCHOR HOLES WITHOUT PRIOR APPROVAL OF THE ENGINEER SHALL BE REASON FOR REJECTION OF THE ANCHOR OR DOWEL.

**PUBLIC HEALTH, SAFETY AND CONVENIENCE NOTES**

- THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL QUALITY.
- THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SAFETY MEASURES ARE IN PLACE AND OPERATIONAL BEFORE ANY SCALING OR OTHER MITIGATION WORK IS INITIATED. THESE MEASURES SHALL BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL MEET THE CURRENT INDUSTRY STANDARDS AND AS APPROVED BY THE ENGINEER. SAFETY MEASURES SHALL NOT BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE STATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE PARK IS CLEAR OF ALL DEBRIS, TRASH, EQUIPMENT, AND/OR ANY OTHER HAZARDOUS MATERIALS OR TOOLS AND IS SAFE FOR PUBLIC USE PRIOR TO THE PARK OPENING TO THE PUBLIC.
- THE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AT ALL TIMES DURING CONSTRUCTION, AND ANY DAMAGE TO THEM SHALL BE REPAIRED AND/OR PAID FOR BY THE CONTRACTOR AS DETERMINED BY THE STATE.
- THE CONTRACTOR SHALL SUBMIT WITH THE BID DOCUMENTS A COPY OF THE PUBLIC SAFETY PLAN REFLECTING A DETAILED DESCRIPTION OF HOW PUBLIC SAFETY COULD BE AFFECTED AND DESCRIPTION OF METHODS USED BY THE CONTRACTOR TO SAFE GUARD THE PUBLIC AND SURROUNDING PROPERTIES AGAINST ROCKFALL HAZARDS DURING THE CONSTRUCTION WORK.
- CONTRACTOR SHALL COORDINATE WORK HOURS AND TRAIL CLOSURES WITH THE STATE PARKS STAFF AND DLNR. NOTICE FOR FULL DAY CLOSURES OF THE PARK SHALL BE GIVEN AT LEAST 30 DAYS IN ADVANCE. ALL TRAIL CLOSURE REQUESTS MUST BE REVIEWED AND APPROVED BY THE STATE PRIOR TO ISSUANCE. SEE SPECIFICATIONS SECTION 01019 - GENERAL SPECIFICATIONS FOR INFORMATION REGARDING WORK HOURS, TRAIL CLOSURES, CONSTRUCTION SCHEDULING, ETC.

**SLOPE SCALING NOTES**

- SLOPE SCALING ACTIVITY FOR THE PROJECT WILL BE LIMITED TO FIVE (5) DAYS A WEEK AND AS COORDINATED WITH THE PARK MANAGEMENT, WITH NO WORK OCCURRING WHEN THE TRAIL IS OPEN TO THE PUBLIC. THE SLOPE SCALING ACTIVITIES, INCLUDING REMOVING DEBRIS FROM THE SITE AT THE END OF EACH SLOPE SCALING SHIFT, SHALL BE CONDUCTED WITHIN THE TIMES AND DURATION SPECIFIED IN THE CONTRACT DOCUMENTS. LIMITS OF SCALING SHALL BE AS IDENTIFIED ON THE DRAWINGS.
- CONTRACTOR SHALL SUBMIT A WORK PLAN FOR APPROVAL BY THE ENGINEER AND THE STATE. SLOPE SCALING SHALL NOT COMMENCE WITHOUT SUCH APPROVAL.
- EACH SLOPE SCALING CREW SHALL CONSIST OF AT LEAST ONE SCALING SUPERVISOR AND THREE (3) SLOPE SCALERS.
- THE CONTRACTOR SHALL DETERMINE THE NUMBER OF SLOPE SCALING CREWS TO BE EMPLOYED ON THIS PROJECT BASED ON THE EXTENT OF THE SLOPE SCALING TO BE PERFORMED AND THE DURATION AVAILABLE FOR PERFORMANCE OF THE WORK.
- IF NECESSARY CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY BARRICADES AND FENCES PER INDUSTRY STANDARDS AND AS APPROVED BY THE ENGINEER PRIOR TO PERFORMING ANY ROCK SCALING WORK TO PROTECT AGAINST FALLING ROCKS AND OTHER DEBRIS CAUSED BY CONSTRUCTION OPERATIONS. TEMPORARY BARRICADES SHALL NOT BE REMOVED WITHOUT PRIOR WRITTEN APPROVAL FROM THE STATE. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN SUCH TEMPORARY SAFETY DEVICES AT NO ADDITIONAL COST TO THE STATE.

**SLOPE SCALING NOTES (CONT.)**

- SLOPE SCALING WORK SHALL BEGIN ONLY AFTER THE PUBLIC PROTECTION MEASURES ARE PUT IN PLACE AT THE BEGINNING OF EACH SLOPE SCALING SHIFT. THE CONTRACTOR SHALL PROTECT THE PUBLIC AND PROPERTY FROM ANY ROCKFALL HAZARDS AND DAMAGE AT ALL TIMES.
- SCALING LIMITS PROVIDED ON THE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL PHYSICALLY MARK THE SCALING LIMITS IN THE FIELD TO BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO PROCEEDING TO PERFORM ANY SCALING WORK. CONTRACTOR SHALL SCALE AND REMOVE ALL HAZARDOUS ROCKS AND/OR OUTCROPS FROM THE SLOPE WITHIN THE MARKED LIMITS IN ACCORDANCE TO THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.
- START ALL SLOPE SCALING AT THE TOP OF THE SLOPE AND PROCEED DOWN SLOPE, REMOVING LOOSE ROCK AND OTHER DEBRIS INCLUDING TRASH AS THE WORK PROGRESSES. ALL MATERIAL ON THE SLOPE FACE THAT IS LOOSE, HANGING OR CREATING A SAFETY HAZARD TO THE PUBLIC MUST BE REMOVED OR STABILIZED, TO THE ENGINEER'S APPROVAL, DURING OR ON COMPLETION OF THE SECTION OF SLOPE.
- UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, THE CONTRACTOR SHALL EXERCISE EXTRA CARE IN THE SLOPE SCALING WORK AND SHALL AVOID CREATING OVERHANGS THAT MAY CAUSE INSTABILITY OF THE SLOPE FACE. IF DURING THE SLOPE SCALING WORK, THE CONTRACTOR ENCOUNTERS UNSAFE SLOPE CONDITIONS THAT MAY CONSTITUTE A POTENTIAL SLIDE, IMMEDIATELY STOP ALL WORK IN THE AREA AND NOTIFY THE ENGINEER FOR FURTHER DIRECTIONS.
- BLOCKS OF ROCKS OR DEBRIS THAT HANG UP ON THE SLOPE DURING SCALING OPERATION SHALL BE REMOVED UPON COMPLETION OF THE FIRST PASS OF THE SLOPE SCALING. THE CONTRACTOR SHALL CONTINUE SCALING OF THE SLOPES UNTIL THE SLOPE IS FREE OF LOOSE ROCKS AND AS APPROVED BY THE ENGINEER.
- ANY ROCK OR OUTCROP THAT CAN BE SCALED OR REMOVED BY HAND USING ONE OR MORE STANDARD SCALING BARS (MINIMUM LENGTH OF 4') IS CONSIDERED PART OF THE SCALING OPERATION. SUCH BOULDERS SHALL BE SCALED SAFELY AND REMOVED FROM THE PROJECT SITE. CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE ENGINEER IN THE FIELD REGARDING THE EXTENT OF SCALING IN EACH AREA.
- CONTRACTOR SHALL PROVIDE ALL SAFETY PRECAUTIONS FOR ANY ROCK REMOVAL. SCALED AND DEMOLISHED MATERIAL SHALL NOT BE ALLOWED TO ROLL OR SLIDE DOWN THE SLOPE. EXISTING SLOPE SURFACE AND VEGETATION SHALL BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE.
- THE CONTRACTOR SHALL CLEAR THE AREA OF ROCKS AND DEBRIS AT THE END OF EACH SLOPE SCALING SHIFT AND SHALL REMOVE SCALED MATERIAL FROM THE SITE ON A DAILY BASIS, UNLESS OTHERWISE APPROVED BY THE ENGINEER IN WRITING.
- REMOVED ROCKS AND DEBRIS SHALL BE DISPOSED OF IN AN APPROVED OFF-SITE DISPOSAL LOCATION, OR AS DIRECTED BY THE ENGINEER IN WRITING. REMOVAL OF SUCH MATERIAL SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
- BOULDER SIZES INDICATED AND LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING FOR CLARIFICATION. CONTRACTOR SHALL VERIFY WITH THE ENGINEER ALL BOULDER LOCATIONS PRIOR TO STARTING WORK.
- CONTRACTOR SHALL BE PREPARED TO PERFORM ADDITIONAL ROCK SCALING AT LOCATIONS NOT IDENTIFIED ON THE PLANS, BUT DEEMED HAZARDOUS BY THE ENGINEER IN THE FIELD. THIS WORK SHALL BE INCLUDED IN THE PAYMENT FOR ADDITIONAL ROCK SLOPE SCALING AS DESCRIBED IN THE PROPOSAL AND PROJECT SPECIFICATIONS. THE ADDITIONAL SCALING SHALL NOT BEGIN UNTIL THE ENGINEER HAS MADE VOLUMETRIC MEASUREMENTS OF THE DESIGNATED AREA. SCALING BEYOND THE ENGINEER'S DIRECTION WILL BE AT THE CONTRACTOR'S EXPENSE. SEE SPECIFICATIONS SECTION 02232 - ROCK SLOPE SCALING.
- CONTRACTOR SHALL BE PREPARED TO PERFORM SAFETY SCALING FOR THE PURPOSE OF CREATING A SAFE WORK ZONE FOR THE WORKERS AND THE INSPECTION TEAM. ALL SAFETY SCALING SHALL BE INCIDENTAL TO THE PARTICULAR WORK BEING PERFORMED.
- CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO DAMAGE ANY HISTORIC OR CULTURAL PROPERTIES AS THE RESULT OF THE CONTRACTOR'S WORK. ANY SUCH DAMAGES SHALL BE CORRECTED BY THE STATE AND AT THE CONTRACTOR'S EXPENSE.

**ABBREVIATIONS**

⊙	AT
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVG	AVERAGE
B	BOTTOM
CLR	CLEARANCE
CONT	CONTINUOUS
DIA.Ø	DIAMETER
DLNR	DEPARTMENT OF LAND AND NATURAL RESOURCES
DWG	DRAWING
ELEV	ELEVATION
E.W.	EACH WAY (ALL DIRECTIONS)
EXIST	EXISTING
FRP	FIBERGLASS REINFORCED PLASTIC
GALV	GALVANIZED
GPS	GLOBAL POSITIONING SYSTEM
H	HEIGHT
HDPE	HIGH DENSITY POLYETHYLENE
HRS	HAWAII REVISED STATUTES
L	LENGTH
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH
O.C.	ON CENTER
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
SHT	SHEET
SIM	SIMILAR
SS	STAINLESS STEEL
T	TOP
TYP	TYPICAL
VERT	VERTICAL
WWF	WELDED WIRE FABRIC

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

*Cyly*  
Signature

4/30/18  
Expiration Date of the License

