

ABBREVIATIONS

AB ANCHOR BOLT	FOF FACE OF FINISH	PTDR PAPER TOWEL DISPENSER
AC ASPHALTIC CONCRETE	FOS FACE OF STUD	AND RECEPTACLE
A/C AIR CONDITIONING	FP FIRE PROTECTION	PTN PARTITION
ACC ACCESSIBLE	FR FRAME	QT QUARRY TILE
ACOUS ACOUSTIC	FS FULL SIZE	QTR QUARTER
AD AREA DRAIN	FT FOOT OR FEET	R RADIUS; RISER
ADJ ADJUSTABLE; ADJACENT	FTG FOOTING	RD ROOF DRAIN
AGGR AGGREGATE	FURG FURRING	RECEPT RECEPTACLE
ALUM ALUMINUM	FUT FUTURE	REF REFRIGERATOR; REFERENCE
ALT ALTERNATE	G GROUND	REINF REINFORCE
APPROX APPROXIMATE	GA GAUGE	REQD REQUIRED
ARCH ARCHITECTURAL	GALV GALVANIZED	RESIL RESILIENT
ASB ASBESTOS	GB GRAB BAR	REG REGISTER
ASPH ASPHALT	GI GALVANIZED IRON	RM ROOM
BD BOARD	GL GLASS	RND ROUND
BLDG BUILDING	GLZ GLAZING	RO ROUGH OPENING
BM BEAM	GYP GYPSUM	RWD REDWOOD
BOT BOTTOM	H HIGH	RWL RAIN WATER LEADER
BRKT BRACKET	HB HOSE BIBB	S SOUTH
BUR BUILT UP ROOFING	HC HOLLOW CORE	SC SOLID CORE
CAB CABINET	HDPE HIGH DENSITY POLYETHYLENE	SCD SEAT COVER DISPENSER
CBB CEMENTITIOUS BACKER BOARD	HDWD HARDWOOD	SCHED SCHEDULE
CEM CEMENT	HDW HARDWARE	SCRN SCREEN
CER CERAMIC	HHMB HEX HEAD MACHINE BOLT	SD SOAP DISPENSER
CI CAST IRON	HM HOLLOW METAL	SECT SECTION
CLG CEILING	HORIZ HORIZONTAL	SHV SHELIVING
CLO CLOSET	HT HEIGHT	SHR SHOWER
CLR CLEAR	ID INSIDE DIAMETER	SHT SHEET
CMU CONCRETE MASONRY UNIT	INCL INCLUDED	SIM SIMILAR
CNTR COUNTER	INFO INFORMATION	SLNT SEALANT
CO CLEANOUT	INSUL INSULATION	SLDG SLIDING
COND CONDITION	INT INTERIOR	SND SANITARY NAPKIN DISPENSER
COL COLUMN	JAL JALOUSIE	SNDU SANITARY NAPKIN DISPOSAL UNIT
CONC CONCRETE	JAN JANITOR	SWR SEWER
CONN CONNECT	JT JOINT	SPEC SPECIFICATION
CONSTR CONSTRUCTION	KIT KITCHEN	SQ SQUARE
CONT CONTINUOUS	KOP KNOCK OUT PANEL	SST STAINLESS STEEL
CONTR CONTRACTOR	LAM LAMINATE	SS SERVICE SINK
CORR CORRIDOR	LAV LAVATORY	STA STATION
CT CERAMIC TILE	LR LIVING ROOM	STC SOUND TRANSMISSION CLASS
CTR CENTER	LT LIGHT	STD STANDARD
CSK COUNTER SUNK	MACH MACHINE	STL STEEL
D DEEP, DEPTH	MAX MAXIMUM	STOR STORAGE
DBL DOUBLE	MC MEDICINE CABINET	STRUCT STRUCTURAL
DEMO DEMOLITION	MECH MECHANICAL	SURR SURROUND
DEPT DEPARTMENT	MEMB MEMBRANE	SUSP SUSPENDED
DET DETAIL	MT MOUNT	SYMM SYMMETRICAL
DIA DIAMETER	MTL METAL	T TREAD
DIM DIMENSION	MFR MANUFACTURER	TB TOWEL BAR
DISP DISPENSER	MH MANHOLE	TC TOP OF CURB
DR DOOR	MIN MINIMUM	TEL TELEPHONE
DS DOWNSPOUT	MIRR MIRROR	TMPD TEMPERED
DSP DRY STANDPIPE	MISC MISCELLANEOUS	TER TERRAZZO
DWG DRAWING	MO MASONRY OPENING	T&G TONGUE AND GROOVE
DWR DRAWER	MTD MOUNTED	THK THICKNESS
E EAST	MTG MOUNTING	THRES THRESHOLD
EA EACH	MULL MULLION	TOP TOP OF PAVEMENT
EJ EXPANSION JOINT	MOPR MOP RACK	TPD TOILET PAPER DISPENSER
EL ELEVATION	N NORTH	TPH TOILET PAPER HOLDER
ELEC ELECTRICAL	NIC NOT IN CONTRACT	TOW TOP OF WALL
EMER EMERGENCY	NO or # NUMBER	TSCD TOILET SEAT COVER DISPENSER
ENCL ENCLOSURE	NOM NOMINAL	TYP TYPICAL
EP ELECTRICAL PANELBOARD	NTS NOT TO SCALE	UBC UNIFORM BUILDING CODE
EPS EXPANDED POLYSTYRENE BOARD	OA OVERALL	UNO UNLESS NOTED OTHERWISE
EQ EQUAL	OGL OBSOLETE GLASS	UL UNDERWRITERS LABORATORY
EQUIP EQUIPMENT	OC ON CENTER	VCT VINYL COMPOSITION TILE
EWC ELECTRIC WATER COOLER	OD OUTSIDE DIAMETER (DIM)	VIF VERIFY IN FIELD
EXP EXPANSION; EXPOSED	OFCI OWNER FURNISHED/ CONTRACTOR INSTALLED	VTR VENT THRU ROOF
EXST EXISTING	OFOI OWNER FURNISHED/ OWNER INSTALLED	VERT VERTICAL
EXT EXTERIOR	OFF OFFICE	VEST VESTIBULE
FA FIRE ALARM	OH OVERHANG	W WEST
FB FLAT BAR	OPNG OPENING	W/ WITH
FD FLOOR DRAIN	OPP OPPOSITE	WC WATER CLOSET
FDTN FOUNDATION	PC PIECE	WD WOOD
FE FIRE EXTINGUISHER	PL GL PLATE GLASS	WDW WINDOW
FEC FIRE EXTINGUISHER CABINET	PLAM PLASTIC LAMINATE	WH WATER HEATER
FHC FIRE HOSE CABINET	PLAS PLASTER	W/O WITHOUT
FIN FINISH	PLBG PLUMBING	WO WHERE OCCURS
FIXT FIXTURE	PLYWD PLYWOOD	WP WATERPROOFING
FLR FLOOR	PNL PANEL	WP WATERPROOFING MEMBRANE
FLASH FLASHING	PR PAIR	WR WATER REPELLENT
FLUOR FLUORESCENT	PRCST PRECAST	WSCT WAINSCOT
FOC FACE OF CONCRETE		WT WEIGHT
		WWM WELDED WIRE MESH

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

ENGINEERING DIVISION

FOR

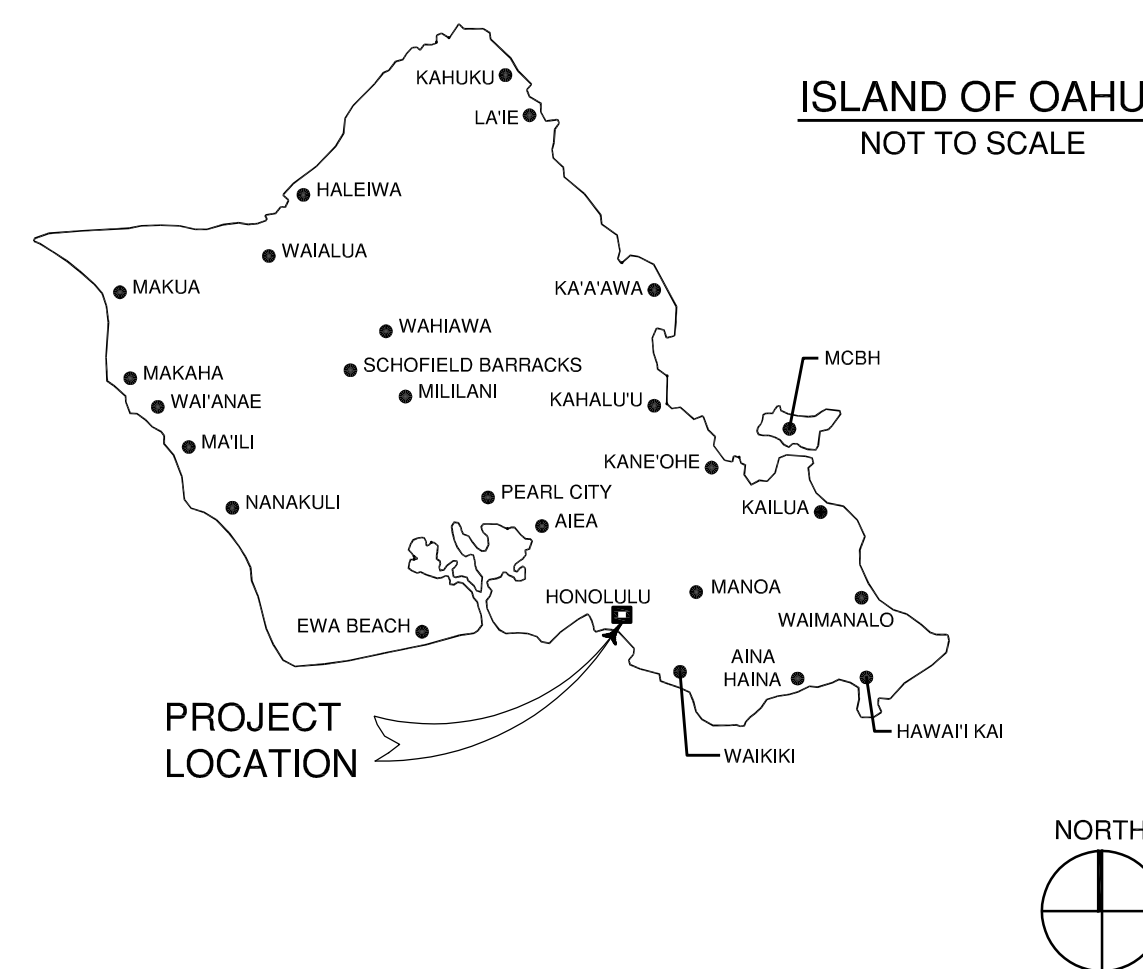
DIVISION OF STATE PARKS

JOB NO. F15B675B

**ROYAL MAUSOLEUM
MAUNA 'ALA
DRIVEWAY AND VIEWING AREA
IMPROVEMENTS**

2261 NUUANU AVENUE, HONOLULU, O'AHU, HAWAII
TMK: (1) 2-2-021:012

LOCATION MAP



CONSULTANTS

ARCHITECT
MASON ARCHITECTS, INC.
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HONOLULU, HAWAII 96813
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APPROVALS

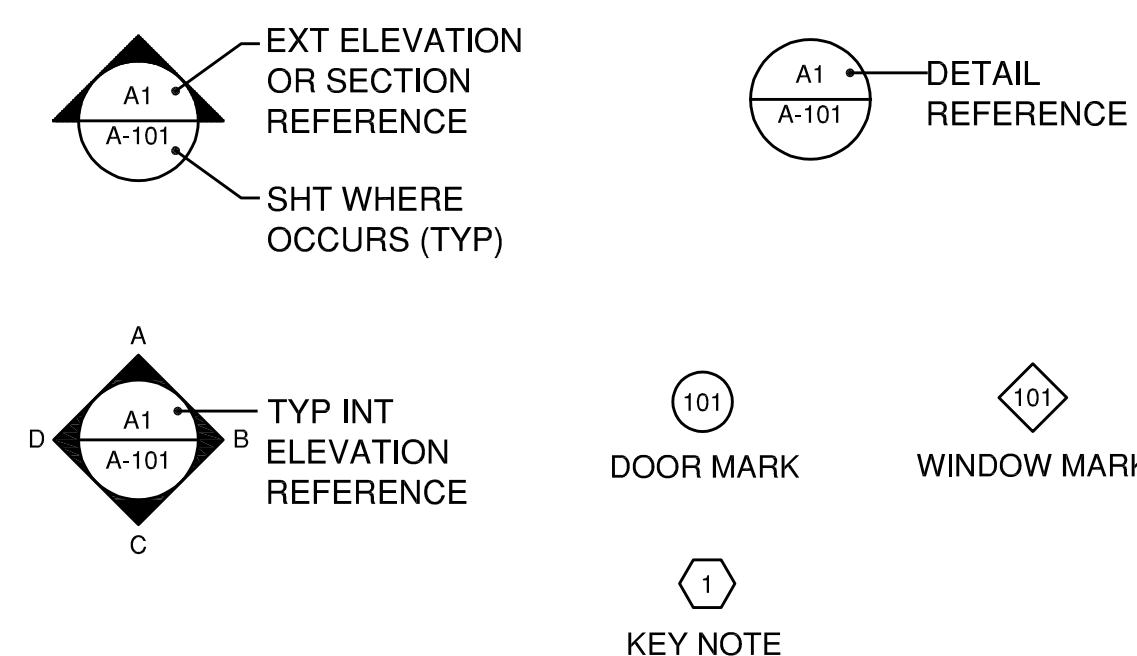
APPROVED:  DATE: May 5, 2023

CURT A. COTTRELL
ADMINISTRATOR
DIVISION OF STATE PARKS
DEPARTMENT OF LAND AND NATURAL RESOURCES

APPROVED:  DATE: 05/05/2023

CARTY S. CHANG, P.E.
CHIEF ENGINEER
ENGINEERING DIVISION
DEPARTMENT OF LAND AND NATURAL RESOURCES

LEGEND



DRAWING NO.
T-1

GENERAL NOTES

1. ALL ITEMS & MATERIALS NOTED WITHIN THESE DRAWINGS ARE NEW UNLESS INDICATED OTHERWISE.
2. COMPLY WITH THE LATEST COUNTY, STATE, AND FEDERAL LAWS, BUILDING CODES, THEIR ADDITIONS, ADDENDA, AND AMENDMENTS IN THE CONSTRUCTION OF THIS PROJECT.
3. REPAIR ALL DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT.
4. USE DIMENSIONS NOTED ON DRAWINGS ONLY, DO NOT SCALE DIMENSIONS FROM THE DRAWINGS.

PUBLIC HEALTH SAFETY & CONVENIENCE 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. 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
3. 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
4. WHERE PEDESTRIAN WALKWAYS EXIST, THEY SHALL BE MAINTAINED IN PASSABLE CONDITION OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. TEMPORARY PASSAGE WAYS SHALL BE ACCESSIBLE PER ADAAG 206 & 402

CONSTRUCTION NOTES

1. ALL APPLICABLE CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, AS AMENDED, OF THE DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU AND HRS 103.50
2. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. BEFORE DISRUPTING SERVICE OF ANY UTILITY, THE CONTRACTOR SHALL CONTACT THE CONTRACT OFFICER. DAMAGE TO EXISTING UTILITIES AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY, STATE OR OWNER
3. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR UTILITIES SUCH AS ELECTRICITY, ETC. REQUIRED FOR THEIR OPERATIONS, AND ALL COSTS FOR THESE UTILITIES SHALL BE BORNE BY THE CONTRACTOR
4. ALL EXISTING UTILITIES TO REMAIN IN USE, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED. ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR
5. UNLESS RELOCATION IS CALLED FOR ON THE PLANS, EXISTING UTILITIES SHALL REMAIN IN-SERVICE AND IN PLACE. IF RELOCATION OF EXISTING UTILITIES IS REQUIRED FOR THE CONTRACTOR'S CONVENIENCE, INTERRUPTION OF SERVICE SHALL BE KEPT TO A MINIMUM AND SHALL BE DONE AT THE CONTRACTOR'S EXPENSE AND ONLY WITH THE APPROVAL OF THE CONTRACT OFFICER
6. 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 CONTRACT OFFICER FOR CLARIFICATION
7. THE EXISTING IMPROVEMENTS ON THE PREMISES AND IN ADJACENT AREA THAT ARE NOT TO BE REMOVED, SHALL BE PRESERVED AND PROTECTED. ANY AND ALL DAMAGES RESULTING FROM THE CONTRACTOR'S CONSTRUCTION OPERATION SHALL BE REPLACED AND REPAIRED TO ORIGINAL CONDITION, AT NO ADDITIONAL COST TO THE OWNER
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORATION TO ORIGINAL OR BETTER CONDITION, NEARBY IMPROVEMENTS AFFECTED BY DUST AND/OR OTHER REASONS RESULTING FROM THE CONSTRUCTION ACTIVITY
9. 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

SITE SPECIFIC NOTES & ACCESS NOTES

1. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO NOT DAMAGE THE EXISTING BASALT CURBS. THE BASALT CURBS SHALL BE LEFT IN PLACE & ONLY MOVED TO BE RESET PER THE PROJECT PLANS. ANY DAMAGE SHALL BE REPAIR BY THE CONTRACTOR AT THEIR EXPENSE & TO THE SATISFACTION OF THE CONTRACT OFFICER
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE LARGE KAMANI TREE & TREE ROOTS AT THE ENTRANCE TO THE ROYAL MAUSOLEUM. IT IS ANTICIPATED THAT WORK AROUND THE KAMANI TREE SHALL BE DONE BY HAND. ANY OTHER MEANS OF CONSTRUCTION IN THIS AREA SHALL BE APPROVED BY THE CONTRACT OFFICER. THE EXISTING CANOPY OF THE TREE LIMITS THE TYPE OF EQUIPMENT THAT SHALL BE USED IN THIS AREA.
2. THE CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS DURING THE PROJECT


PROJECT DATA

OWNER: STATE OF HAWAII
 TAX MAP KEY: (1) 2-2-021:012
 LOT AREA: 145,533 SF
 ZONING: P-1,P-2
 SMA: NOT IN SMA
 STATE LAND USE: CONSERVATION DISTRICT, URBAN DISTRICT
 FLOOD ZONE: FIRM ZONE X
 SPECIAL DISTRICT: PUNCHBOWL (SPECIAL DISTRICT)

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REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Glenn E. Mason
 Signature 4/30/2024
 Expiration Date of License

STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 ENGINEERING DIVISION

ROYAL MAUSOLEUM MAUNA 'ALA
 DRIVEWAY AND VIEWING AREA IMPROVEMENTS

TITLE SHEET
 PROJECT DATA

DESIGNED:	SUBMITTED: <i>[Signature]</i>
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: <i>[Signature]</i> Carty Chang E-signed 2023-05-05 02:58PM PDT carty.s.chang@hawaii.gov State of Hawaii	DRAWING NO. T-2

CHIEF ENGINEER

EROSION PREVENTION/ SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES IN THE CITY AND COUNTY OF HONOLULU'S "RULES RELATING TO WATER QUALITY"
2. MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTHWORK IS INITIATED.
3. **TEMPORARY STABILIZATION**
TEMPORARY STABILIZATION IS REQUIRED ON DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHEN THE DISTURBED AREA WILL NOT BE WORKED FOR 14 CONSECUTIVE DAYS OR MORE.
4. **PERMANENT STABILIZATION**
ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED USING VEGETATIVE COVERING, PAVEMENT, OR EQUIVALENT, PRIOR TO REMOVING EROSION AND SEDIMENT MEASURES. TRAPPED SEDIMENT AND AREAS OF DISTURBED SOIL WHICH RESULT FROM THE REMOVAL OF THE TEMPORARY MEASURES SHALL BE IMMEDIATELY AND PERMANENTLY STABILIZED.
5. PRESERVE EXISTING VEGETATION CLEARLY MARK THE AREAS TO BE PRESERVED WITH FLAGS OR TEMPORARY FENCING. WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.
6. **PERIMETER CONTROLS**
PERIMETER CONTROLS ARE REQUIRED DOWNSLOPE OF ALL DISTURBED AREAS. MAINTAIN DOWNSTREAM VEGETATIVE BUFFER AREA.
7. **INLET PROTECTION**
 - ALL STORM DRAIN INLETS ONSITE AND THOSE OFFSITE WHICH MAY RECEIVE RUNOFF FROM THE SITE SHALL USE AN INLET PROTECTION DEVICE UNLESS THEY ARE DIRECTED TO A SEDIMENT BASIN.
 - SEDIMENT LEVELS MAY NOT EXCEED ONE THIRD OF THE HEIGHT OF A SEDIMENT BARRIER OR INLET PROTECTION DEVICE AT ANY POINT ALONG THE LENGTH OF THE SEDIMENT BARRIER OR THE INLET PROTECTION DEVICE.
 - SEDIMENT BARRIERS AND INLET PROTECTION DEVICES MUST BE UNCLOGGED AND CLEANED WHEN PERFORMANCE IS COMPROMISED.
 - TORN, WEATHERED OR SAGGING SEDIMENT BARRIERS OR INLET PROTECTION DEVICES MUST BE REPAIRED OR REPLACED IMMEDIATELY.
8. **TRACKING CONTROL:**
 - MINIMIZE SEDIMENT TRACK-OUT ONTO OFF-SITE STREETS, OTHER PAVED AREAS, AND SIDEWALKS FROM VEHICLES EXITING THE CONSTRUCTION SITE BY RESTRICTING VEHICLE TRAFFIC TO PROPERLY DESIGNATED AREAS AND USING ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXITING THE SITE.
 - VEHICULAR PARKING AND MOVEMENTS ON PROJECT SITES MUST BE CONFINED TO PAVED SURFACES OR PREDEFINED PARKING AREAS AND VEHICLE PATHS, WHICH SHALL BE MARKED WITH FLAGS OR BOUNDARY FENCING.
 - ALL POLLUTANTS AND MATERIALS THAT ARE DROPPED, WASHED, TRACKED OR SPILLED, OR OTHERWISE DISCHARGED FROM A PROJECT SITE TO OFF-SITE STREETS, OTHER PAVED AREAS, SIDEWALKS OR THE MS4 MUST BE CLEANED USING DRY METHODS SUCH AS SWEEPING OR VACUUMING.
 - WASHING POLLUTANTS AND MATERIALS THAT ARE DISCHARGED FROM THE PROJECT SITE TO THE MS4 INTO DRAIN INLETS OR CATCH BASINS IS PROHIBITED UNLESS THE MATERIAL IS SEDIMENT AND THE INLETS ARE DIRECTED TO A SEDIMENT BASIN OR SEDIMENT TRAP.
9. BEST MANAGEMENT PRACTICES (BMPs) SHALL NOT BE REMOVED UNTIL FINAL STABILIZATION IS COMPLETE FOR THAT PHASE.
10. REFER TO CITY AND COUNTY OF HONOLULU BEST MANAGEMENT PRACTICES MANUAL - CONSTRUCTION, FOR MORE INFORMATION ON BMPs
11. A COMPREHENSIVE LIST OF BMPs BASED ON THE DPP RULES RELATING TO WATER QUALITY AND CCH CONSTRUCTION BMP MANUAL WERE REVIEWED TO COMPLETE THIS ESCP. THE FOLLOWING BMPs WERE DETERMINED TO BE NOT APPLICABLE BECAUSE THEY WOULD NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL BASED ON THE SPECIFIC SITE CONDITIONS. AS CONSTRUCTION PROGRESSES, REVISIONS MAY BE NECESSARY AND WILL BE PROVIDED TO DPP INSPECTORS.
 - DEWATERING PRACTICES ARE NOT APPLICABLE

GOOD HOUSEKEEPING BMPs

1. STREET SWEEPING AND VACUUMING. ALL POLLUTANTS DISCHARGED FROM CONSTRUCTION SITE TO OFF-SITE AREAS MUST BE SWEEPED OR VACUUMED EACH DAY BEFORE LEAVING THE JOB SITE.
2. MATERIALS DELIVERY, STORAGE AND USE MANAGEMENT. PREVENT, REDUCE OR ELIMINATE THE DISCHARGE OF POLLUTANTS FROM MATERIAL DELIVERY, STORAGE AND USE TO THE STORM WATER SYSTEM OR WATERCOURSES BY MINIMIZING THE STORAGE OF HAZARDOUS MATERIALS ONSITE, STORING MATERIALS IN A DESIGNATED AREA, INSTALLING SECONDARY CONTAINMENT. CONSTRUCTION MATERIALS, WASTE, TOXIC AND HAZARDOUS SUBSTANCES, STOCKPILES AND OTHER SOURCES OF POLLUTION SHALL NOT BE STORED IN BUFFER AREAS, NEAR AREAS OF OF CONCENTRATED FLOW, OR AREAS ABUTTING THE MS4, RECEIVING WATERS, OR DRAINAGE IMPROVEMENTS THAT DISCHARGE OFF-SITE. PRIMARY AND SECONDARY CONTAINMENT CONTROLS AND COVERS SHALL BE IMPLEMENTED TO THE MEP.
3. SPILL PREVENTION AND CONTROL. CREATE AND IMPLEMENT SPILL PREVENTION AND RESPONSE PLANS TO ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO THE MS4 AND RECEIVING WATERS FROM LEAKS AND SPILLS BY REDUCING THE CHANCE FOR SPILLS, ABSORBING, CONTAINING, AND CLEANING UP SPILLS AND PROPERLY DISPOSING OF SPILL MATERIALS. AT A MINIMUM, ALL PROJECTS SHALL CLEANUP ALL LEAKS AND SPILLS IMMEDIATELY.
4. NON-HAZARDOUS MATERIALS. IN THE EVENT THAT NONHAZARDOUS MATERIALS ARE DISCHARGED TO THE MS4, THE PROPERTY OWNER OR ESCP COORDINATOR SHALL NOTIFY THE CITY DEPARTMENT OF FACILITIES MAINTENANCE BY TELEPHONE NO LATER THAN THE NEXT BUSINESS DAY. A WRITTEN REPORT DESCRIBING THE POLLUTANTS THAT WERE DISCHARGED, THE REASONS FOR THE DISCHARGE, AND THE MEASURES THAT HAVE BEEN TAKEN OR WILL BE TAKEN TO PREVENT A RECURRENCE OF THE DISCHARGE SHALL BE SUBMITTED TO THE DIRECTOR NO LESS THAN 3 DAYS AFTER NOTIFICATION BY PHONE.
5. VEHICLE AND EQUIPMENT MAINTENANCE. ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT MAINTENANCE OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, PERFORMING WORK IN DESIGNATED AREAS ONLY, USING SPILL PADS UNDER VEHICLES AND EQUIPMENT, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.
6. SOLID WASTE MANAGEMENT. PREVENT OF REDUCE DISCHARGE OF POLLUTANTS TO THE LAND, GROUNDWATER, AND IN STORM WATER FROM SOLID WASTE OR CONSTRUCTION AND DEMOLITION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS, COLLECT SITE TRASH DAILY, AND ENSURING THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.
7. SANITARY/SEPTIC WASTE MANAGEMENT. TEMPORARY AND PORTABLE SANITARY AND SEPTIC WASTE SYSTEMS SHALL BE MOUNTED OR STAKED IN, WELL-MAINTAINED AND SCHEDULED FOR REGULAR WASTE DISPOSAL AND SERVICING. SOURCES OF SANITARY AND/OR SEPTIC WASTE SHALL NOT BE STORED NEAR THE MS4 OR RECEIVING WATERS.
8. STOCKPILE MANAGEMENT. STOCKPILES SHALL NOT BE LOCATED IN DRAINAGE WAYS, WITHIN 50 FEET FROM AREAS OF CONCENTRATED FLOWS, AND ARE NOT ALLOWED IN THE CITY RIGHT-OF-WAY. SEDIMENT BARRIERS OR SILT FENCES SHALL BE USED AROUND THE BASE OF ALL STOCKPILES. STOCKPILES SHALL NOT EXCEED 15 FEET IN HEIGHT. STOCKPILES GREATER THAN 15 FEET IN HEIGHT SHALL REQUIRE 8 FOOT WIDE BENCHING IN ACCORDANCE WITH ROH CHAPTER 14, ARTICLE 15. STOCKPILES MUST BE COVERED WITH PLASTIC SHEETING OR A COMPARABLE MATERIAL IF THEY WILL NOT BE ACTIVELY USED WITHIN 7 DAYS.
9. LIQUID WASTE MANAGEMENT. LIQUID WASTE SHALL BE CONTAINED IN A CONTROLLED AREA SUCH AS A HOLDING PIT, SEDIMENT BASIN, ROLL-OFF BIN, OR PORTABLE TANK OF SUFFICIENT VOLUME AND TO CONTAIN THE LIQUID WASTE GENERATED. CONTAINMENT AREAS OR DEVICES MUST BE IMPERMEABLE AND LEAK FREE AND SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS OR STORM DRAINS.
10. CONCRETE WASTE MANAGEMENT. PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFFSITE OR PERFORMING ONSITE WASHOUT IN A DESIGNATED AREA CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MILLIMETER POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL. CONTAINMENT AREAS OR DEVICES SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS OR STORM DRAINS. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75 PERCENT FULL. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF AS SOLID WASTES.
11. CONTAINMENT SOIL MANAGEMENT. AT A MINIMUM CONTAIN CONTAMINATED MATERIAL SOIL BY SURROUNDING WITH IMPERMEABLE LINED BERMS OR COVER EXPOSED CONTAMINATED MATERIAL WITH PLASTIC SHEETING. CONTAMINATED SOIL SHOULD BE DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

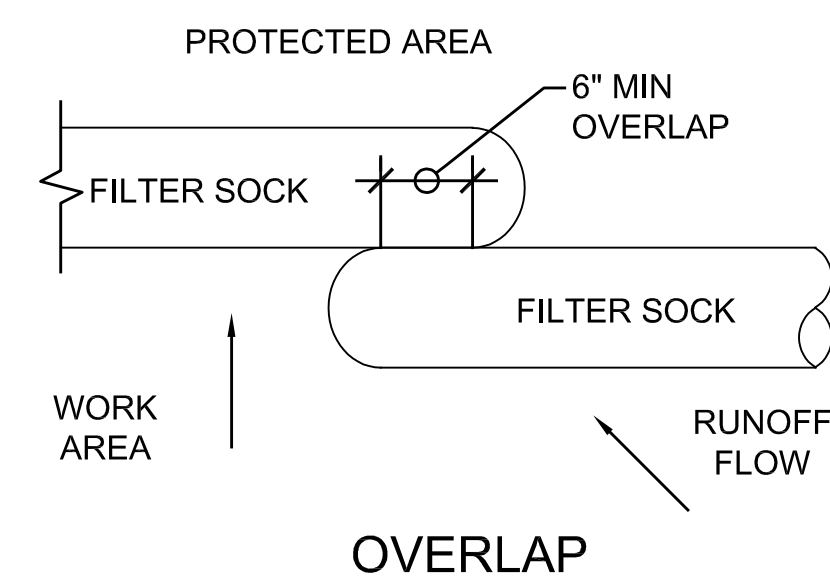
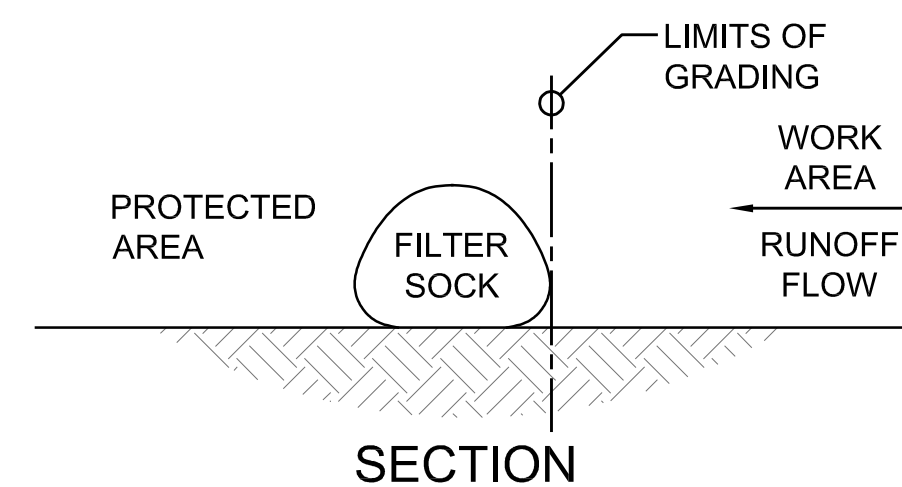
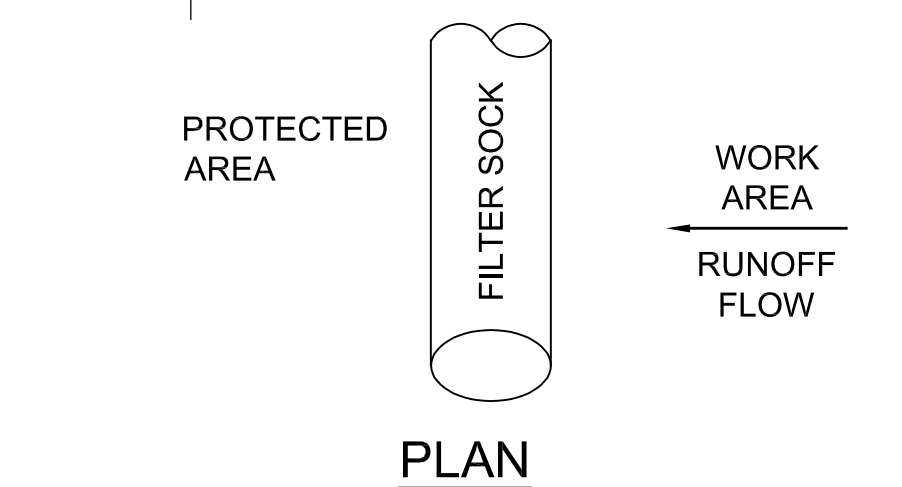
EROSION & SEDIMENT CONTROL PLAN SCHEDULE & RAIN RESPONSE PLAN

PROJECT SEQUENCE:

1. INSTALL PERIMETER CONTROLS AND INLET PROTECTION, CLEARING AND GRUBBING AS NECESSARY FOR THE STABILIZATION OF THESE BMPs.
2. CLEAR, GRUB AND GRADE THE SITE IN PHASES, REFER TO SITE PLAN. RELOCATE, RECONSTRUCT AND MAINTAIN BMPs AS NEEDED TO KEEP THEM EFFECTIVE AT ALL TIMES. INITIATE TEMPORARY STABILIZATION IMMEDIATELY ONCE GRADING IS COMPLETED IN EACH PHASE.
3. PROCEED WITH CONSTRUCTION WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND TEMPORARY STRUCTURES.
4. PLANT PERMANENT GROUND COVER ACCORDING TO THE SITE PLAN AS SOON AS POSSIBLE.
5. REMOVE OR DISMANTLE TEMPORARY EROSION CONTROL STRUCTURES AFTER FULL ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
6. PRACTICE GOOD HOUSEKEEPING MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.

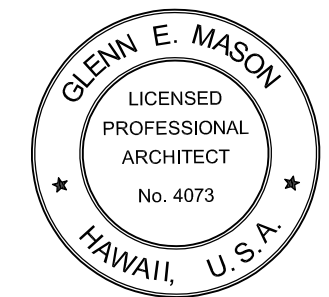
RAIN RESPONSE PLAN:

1. THE FOLLOWING WILL BE PERFORMED WHEN HEAVY RAINS, TROPICAL STORM OR HURRICANE IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS:
2. TEMPORARY SUSPENSION OF ACTIVE GRADING, GRUBBING AND TRENCHING.
3. INSPECT ALL PERIMETER CONTROLS AND INLET PROTECTION DEVICES, AND MAINTAIN AS NEEDED. REINSTALL ANY PERIMETER CONTROLS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA. IF A SEVERE STORM IS EXPECTED, REMOVE INLET PROTECTION DEVICES TO PREVENT FLOODING ON SURROUNDING STREETS.
4. COVER OR RELOCATE MATERIAL STOCKPILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAINWATER.
5. PLACE SPILL PANS OR OIL-ONLY SPILL PADS UNDER CONSTRUCTION VEHICLES TO PREVENT RUNOFF FROM CONTACTING ANY SPILLED PETROLEUM PRODUCTS. PROPERLY DISPOSE OF ANY ACCUMULATED OILY WATER AFTER THE RAIN EVENT.
6. RE-INSPECT AFTER THE APPROACHING HEAVY RAINS, TROPICAL STORM OR HURRICANE AND REPLACE OR MAINTAIN BMPs AS NEEDED.



A1 FILTER SOCK DETAIL
SCALE: NTS
0 1/2" 1" 1 1/2" 2"

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Signature: *Glenn E. Mason* Expiration Date of License: 4/30/2024

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

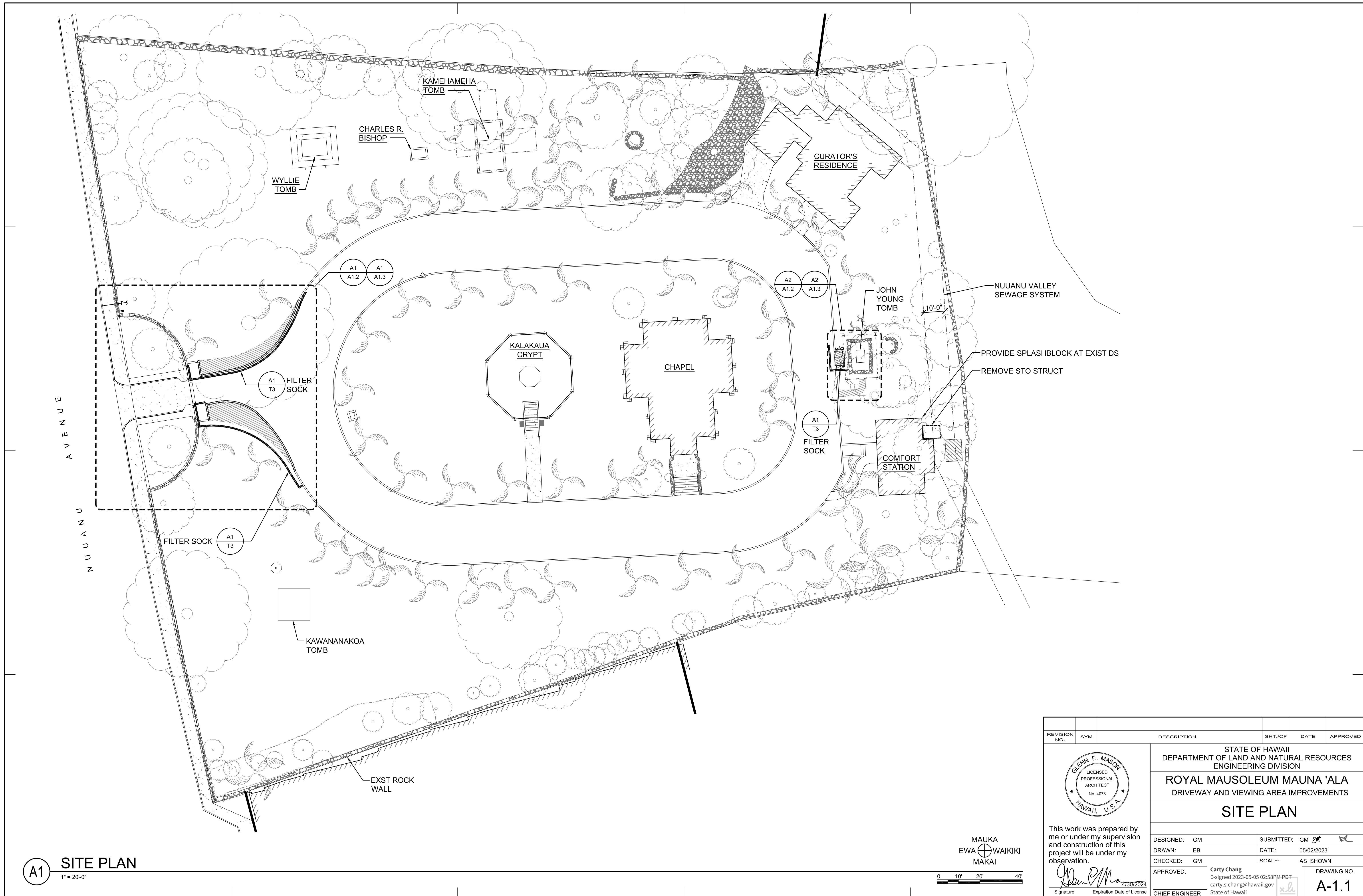
ROYAL MAUSOLEUM MAUNA 'ALA
DRIVEWAY AND VIEWING AREA IMPROVEMENTS

EROSION CONTROL NOTES

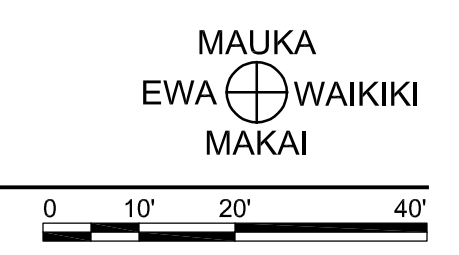
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T-3

DESIGNED:	SUBMITTED: <i>[Signature]</i>
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: <i>[Signature]</i>	Chief Engineer: Carty Chang E-signed 2023-05-05 02:58PM PDT carty.s.chang@hawaii.gov State of Hawaii

JOB NO. F15B675B SHEET NO. 3 OF 6 SHEETS



A1 SITE PLAN
1" = 20'-0"



REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED

GLENN E. MASON
LICENSED PROFESSIONAL ARCHITECT
No. 4073
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

ROYAL MAUSOLEUM MAUNA 'ALA
DRIVEWAY AND VIEWING AREA IMPROVEMENTS

SITE PLAN

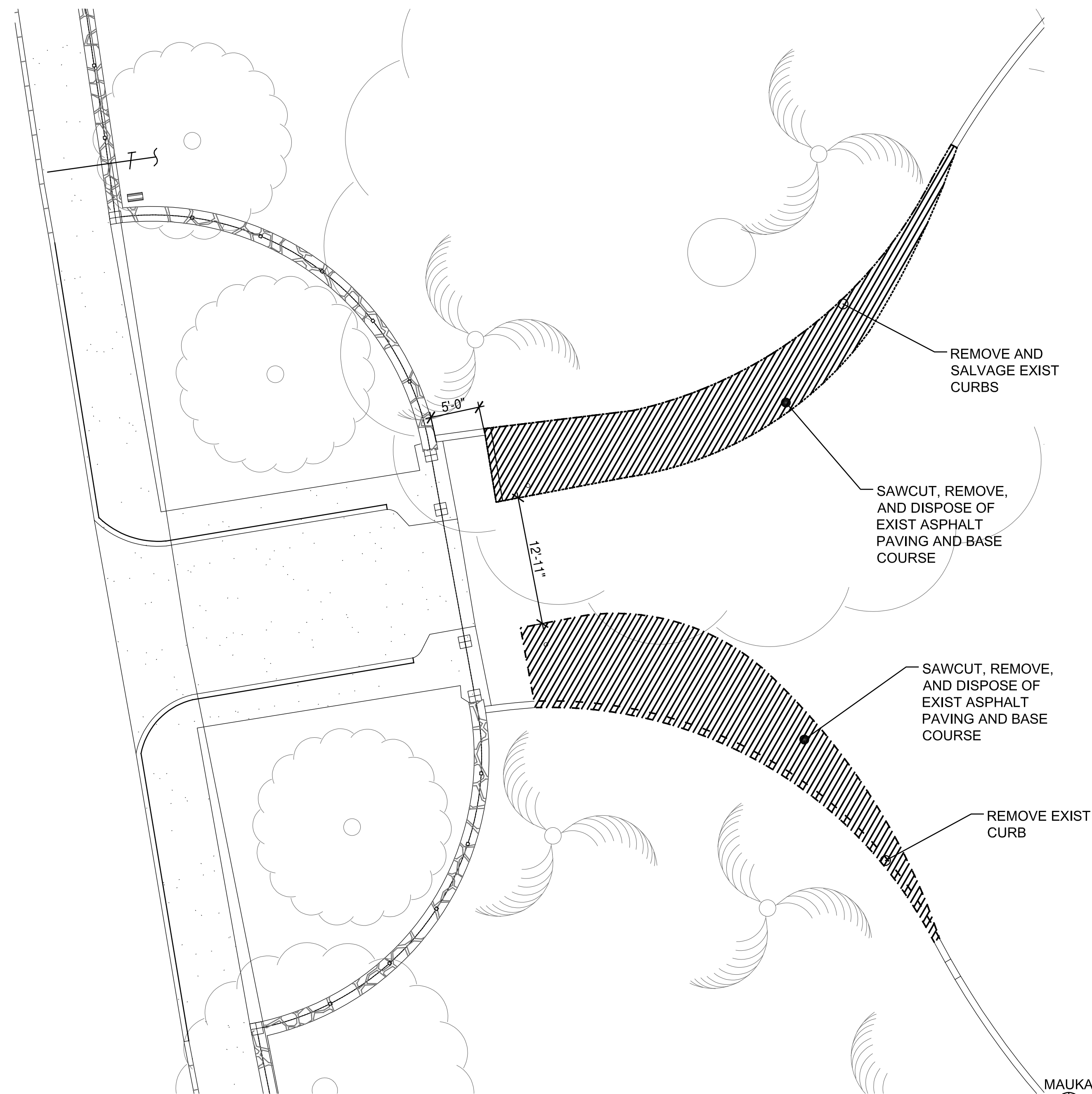
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DESIGNED: GM
DRAWN: EB
CHECKED: GM
APPROVED: *Carty Chang*
Signature

SUBMITTED: GM *EB*
DATE: 05/02/2023
SCALE: AS SHOWN
CHIEF ENGINEER: Carty Chang
E-signed 2023-05-05 02:58PM PDT
carty.s.chang@hawaii.gov
State of Hawaii

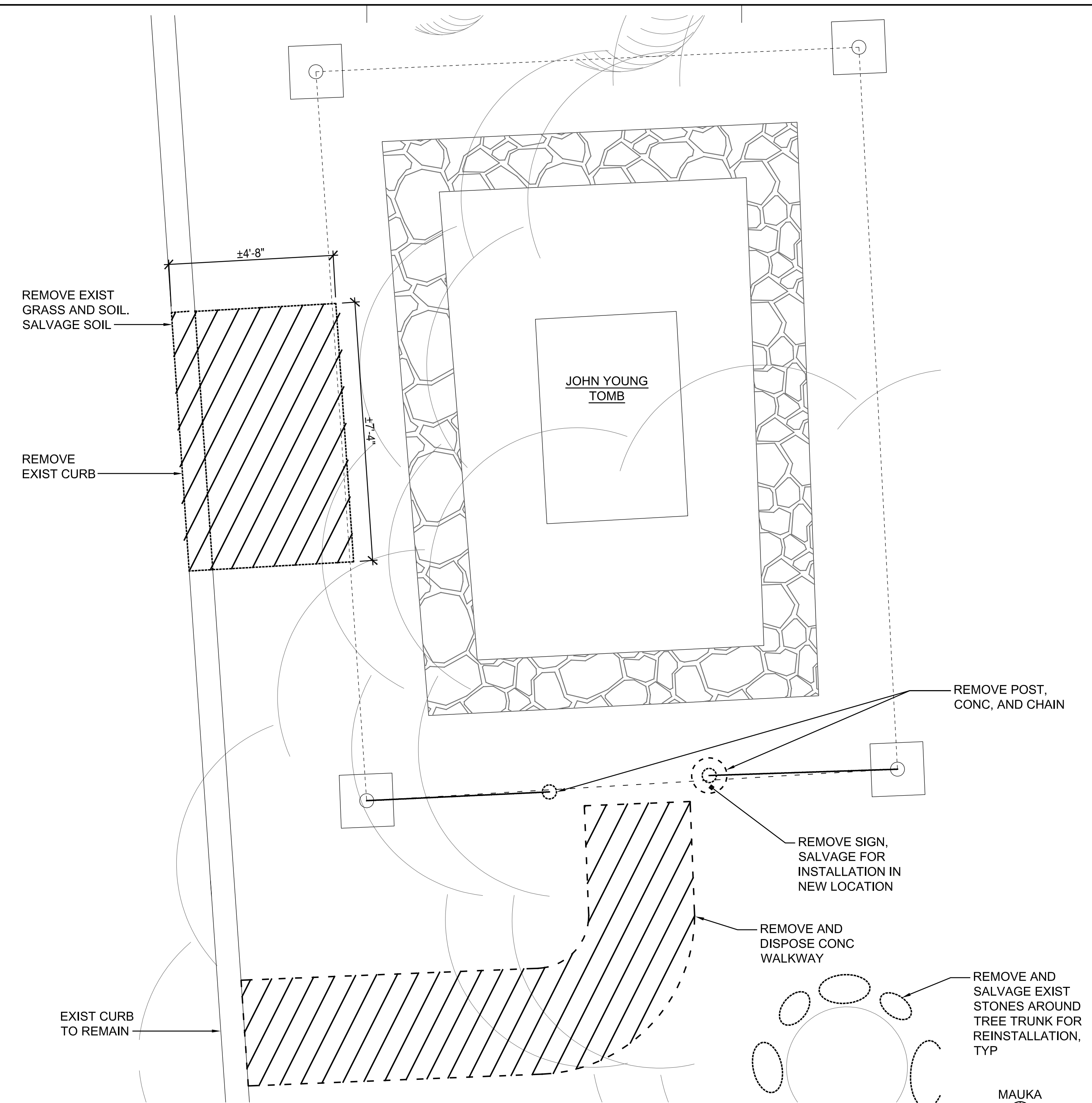
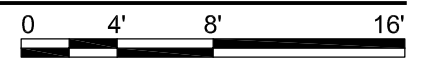
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JOB NO. F15B675B SHEET NO. 4 OF 6 SHEETS



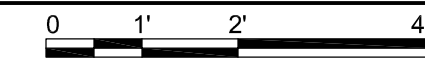
A1 ENLARGED SITE DEMOLITION PLAN - DRIVEWAY

1/8" = 1'-0"



A2 ENLARGED SITE DEMOLITION PLAN - JOHN YOUNG TOMB

1/2" = 1'-0"



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Glenn E. Mason
Signature
4/30/2024
Expiration Date of License

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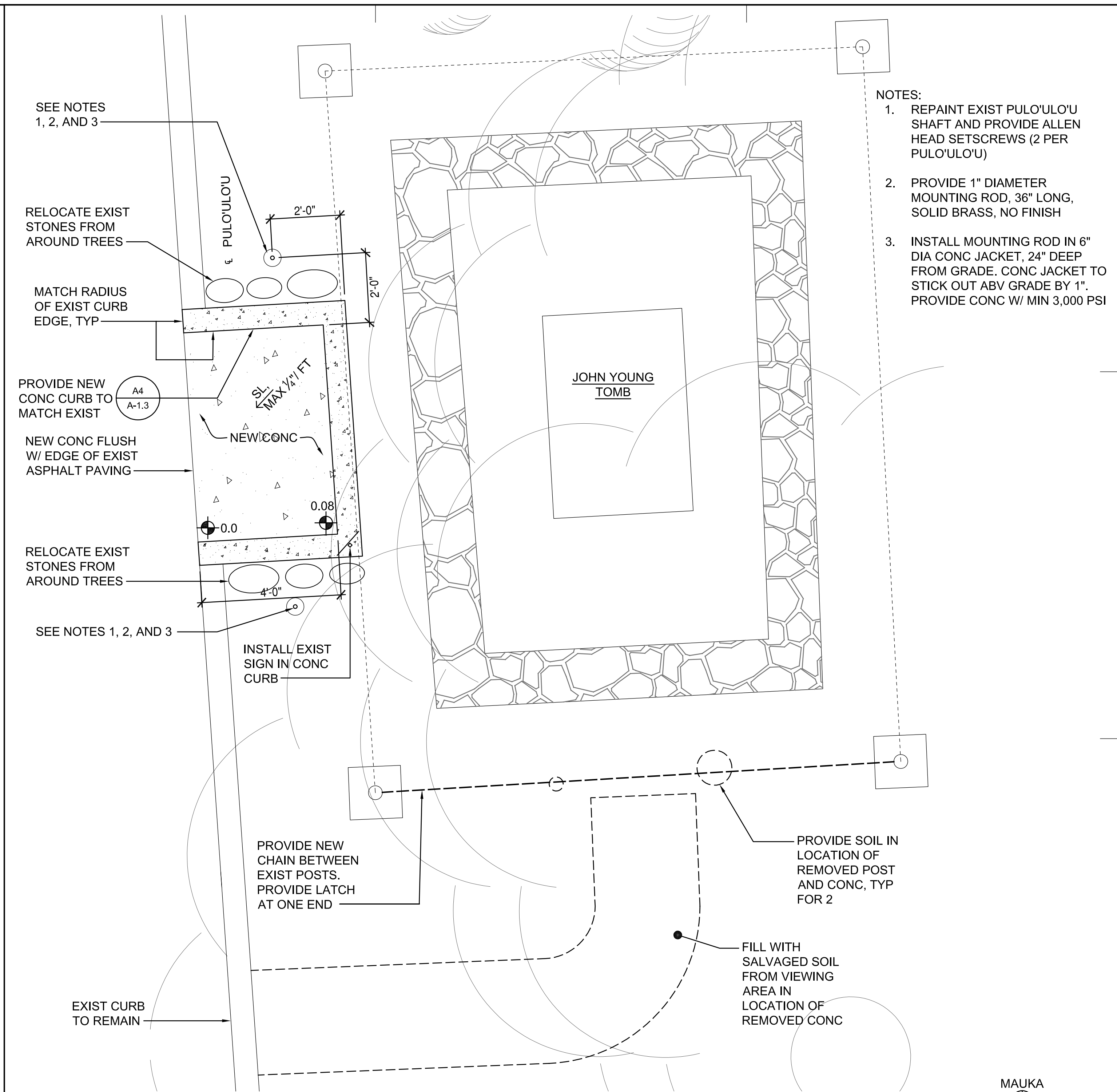
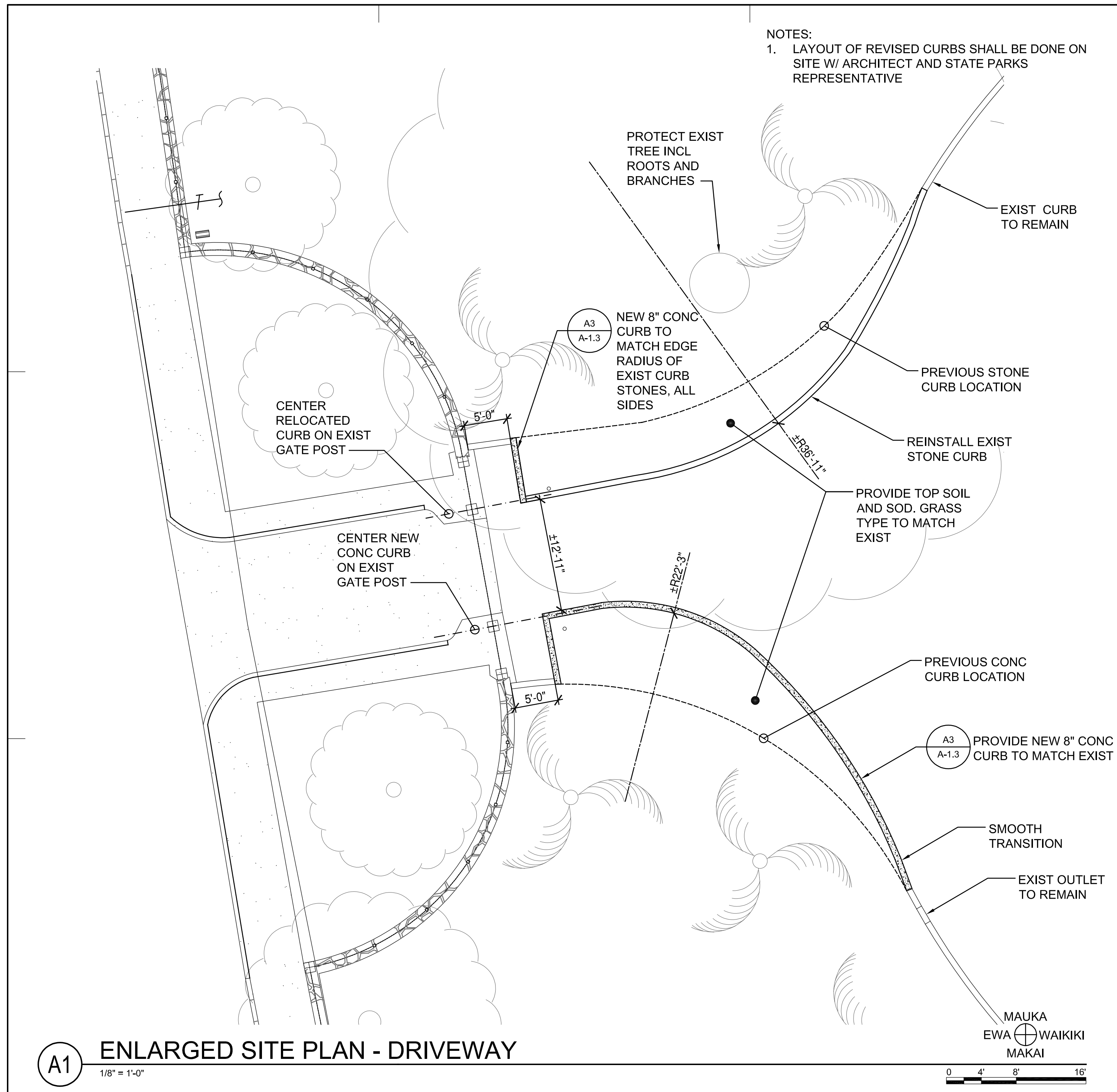
ROYAL MAUSOLEUM MAUNA 'ALA
DRIVEWAY AND VIEWING AREA IMPROVEMENTS

ENLARGED DEMO PLANS

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DRAWN: EB
CHECKED: GM
APPROVED: **Carty Chang**
E-signed 2023-05-05 02:58PM PDT
carty.s.chang@hawaii.gov
State of Hawaii
CHIEF ENGINEER

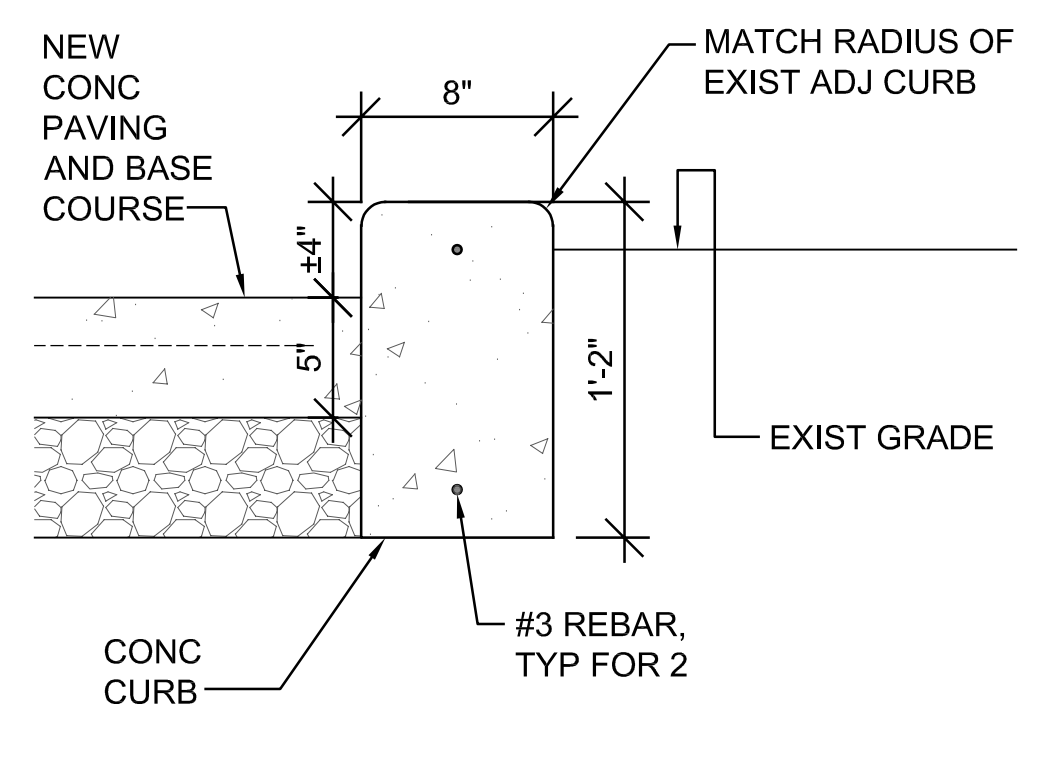
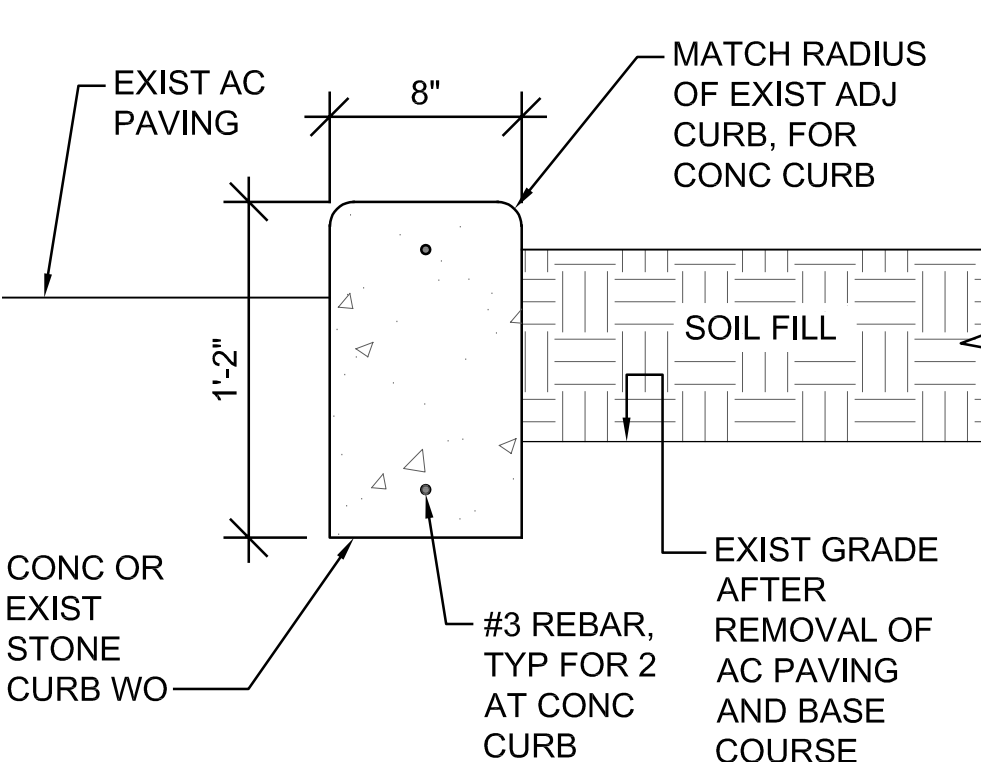
SUBMITTED: GM
DATE: 05/02/2023
SCALE: AS SHOWN
DRAWING NO. **A-1.2**

JOB NO. F15B675B SHEET NO. 5 OF 6 SHEETS



A1 ENLARGED SITE PLAN - DRIVEWAY
1/8" = 1'-0"

A2 ENLARGED SITE PLAN - JOHN YOUNG TOMB
1/2" = 1'-0"



A3 CURB DETAIL
1 1/2" = 1'-0"

A4 CURB DETAIL
1 1/2" = 1'-0"

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ENGINEERING DIVISION

ROYAL MAUSOLEUM MAUNA 'ALA
DRIVEWAY AND VIEWING AREA IMPROVEMENTS

ENLARGED SITE PLANS

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Signature

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Expiration Date of License

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State of Hawaii

CHIEF ENGINEER

DRAWING NO. **A-1.3**

JOB NO. F15B675B SHEET NO. 6 OF 6 SHEETS