

STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 ENGINEERING DIVISION

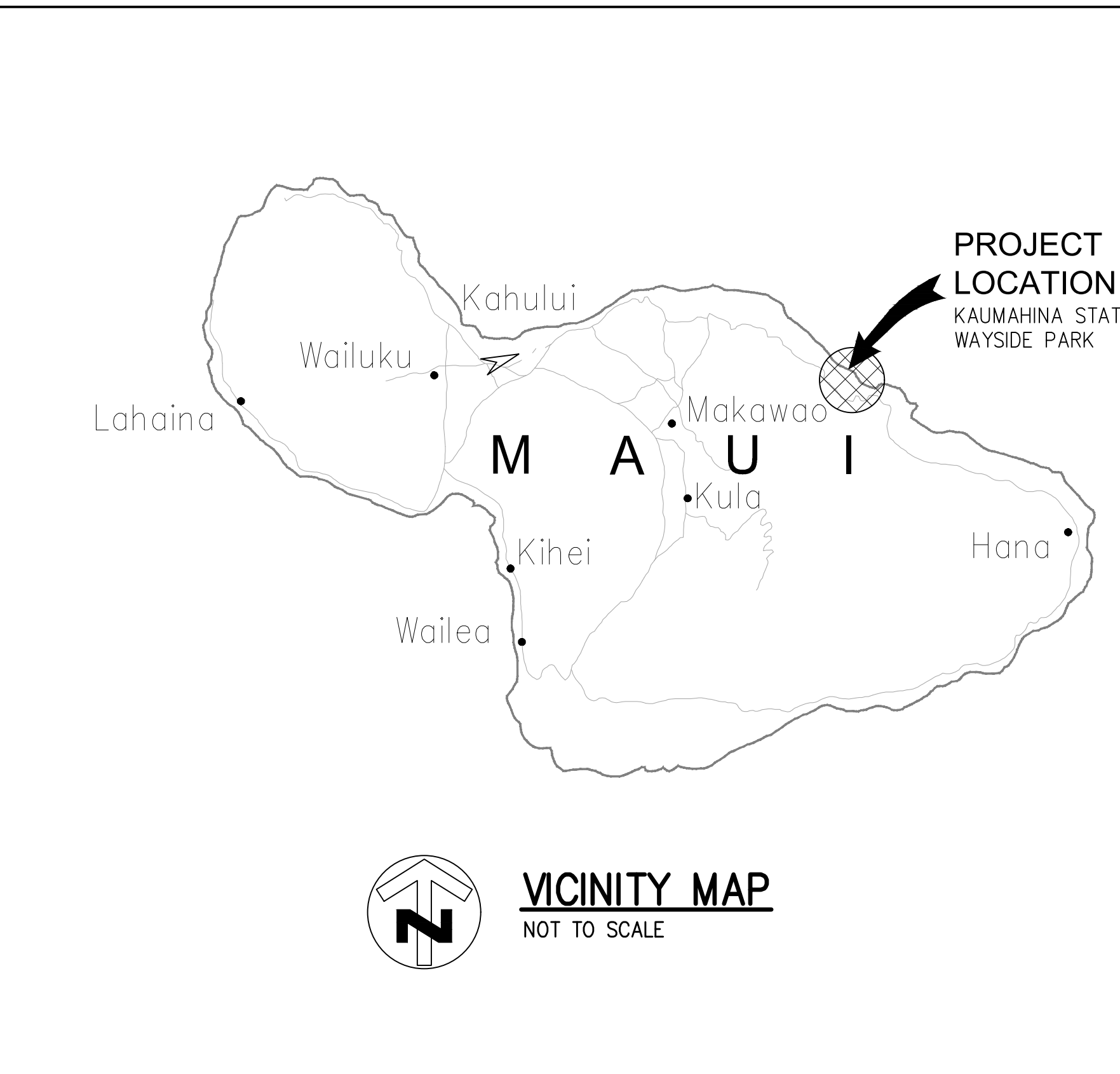
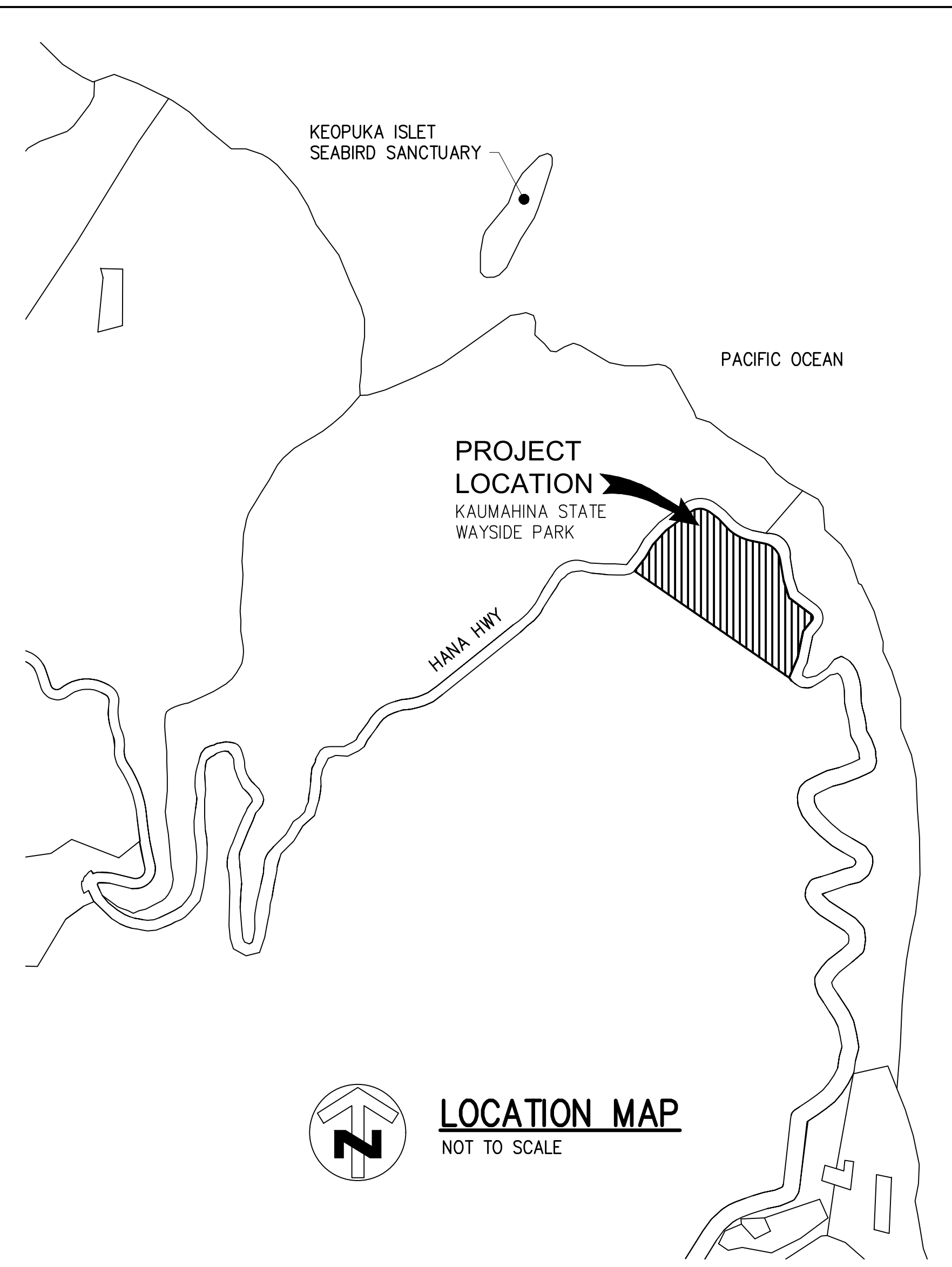
FOR
 DIVISION OF STATE PARKS

JOB NO. F59A626A

STATE WAYSIDE PARK IMPROVEMENTS

HANA, MAUI, HAWAII

TMK: (2)1-1-001: 055



INDEX

DESCRIPTION	DRAWING NO.	SHEET NO.
TITLE SHEET	T-001	1
CIVIL NOTES - 1	C-001	2
CIVIL NOTES - 2	C-002	3
EROSION AND SEDIMENT CONTROL NOTES	C-003	4
EROSION AND SEDIMENT CONTROL PLAN	C-101	5
DEMOLITION PLAN	C-102	6
SITE PLAN	C-103	7
GRADING AND DRAINAGE PLAN	C-104	8
GRADING SECTIONS	C-201	9
WALKWAY PROFILE	C-202	10
SITE DETAILS - 1	C-501	11
SITE DETAILS - 2	C-502	12
CIVIL DETAILS - 1	C-503	13
CIVIL DETAILS - 2	C-504	14
CIVIL DETAILS - 3	C-505	15
GENERAL NOTES, ABBREVIATIONS & DRAWING SYMBOLS	A-000	16
FLOOR PLAN, REFLECTED CEILING PLAN, ROOF PLAN, & EXTERIOR ELEVATIONS	A-101	17
CROSS SECTION, LONGITUDINAL SECTION, & MISCELLANEOUS DETAILS	A-101	18
GENERAL NOTES	S-001	19
GENERAL NOTES	S-002	20
OVERALL SITE FOUNDATION PLAN	S-101	21
FOUNDATION PLAN PICNIC AREAS 1 & 2	S-102	22
FOUNDATION PLAN PICNIC AREAS 3 & 4	S-103	23
FOUNDATION PLAN PICNIC AREAS 5	S-104	24
TYPICAL ROOF FRAMING PLAN	S-105	25
SECTION	S-201	26
SECTIONS	S-301	27
SECTIONS AND DETAILS	S-311	28
TYPICAL DETAILS	S-501	29
TYPICAL DETAILS	S-502	30
GRASS RESTORATION PLAN AND NOTES	L-100	31
RAIN GARDEN LANDSCAPE PLAN	L-101	32

APPROVED: _____ DATE: Apr 27, 2026

abc
 ALAN B. CARPENTER
 ACTING ADMINISTRATOR
 DIVISION OF STATE PARKS
 DEPARTMENT OF LAND AND NATURAL RESOURCES

APPROVED: _____ DATE: Apr 27, 2026

Dina
 DINA U. LAU, P.E.
 ACTING CHIEF ENGINEER
 ENGINEERING DIVISION
 DEPARTMENT OF LAND AND NATURAL RESOURCES

DRAWING NO.
T-101

CONSTRUCTION NOTES

- ALL APPLICABLE CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE "PUBLIC WORKS CONSTRUCTION STANDARD SPECIFICATIONS", SEPTEMBER 1986, AND "PUBLIC WORKS CONSTRUCTION STANDARD AND TYPICAL DETAILS", SEPTEMBER 1984, AS AMENDED BY THE COUNTY OF MAUI. ALL APPLICABLE CONSTRUCTION WORK SHALL ALSO BE IN ACCORDANCE WITH THE "HAWAII REVISED STATUTES" SECTION 103-50 FOR CONFORMANCE WITH ACCESSIBILITY GUIDELINES.
- 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 UTILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHEREVER CONNECTIONS TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTION TO VERIFY THE LOCATIONS AND DEPTHS PRIOR TO EXCAVATION.
- 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 ALL REMEDIAL ACTIONS NECESSARY.
- THE GENERAL CONTRACTOR/DEVELOPER/OWNER OF THE PROJECT SHALL BE RESPONSIBLE FOR CONFORMANCE WITH APPLICABLE PROVISIONS OF THE 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.

THE GENERAL CONTRACTOR OF THE PROJECT SHALL OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE(S) FOR THE FOLLOWING AS NEEDED:

- STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES THAT DISTURB ONE (1) ACRE OR MORE, AND
- DISCHARGES OF HYDROTESTING EFFLUENT, DEWATERING EFFLUENT, AND WELL DRILLING EFFLUENT TO STATE WATERS.

IN ACCORDANCE WITH STATE LAW, ALL DISCHARGES RELATED TO PROJECT CONSTRUCTION OR OPERATIONS ARE REQUIRED TO COMPLY WITH STATE WATER QUALITY STANDARDS (HAWAII ADMINISTRATIVE RULES, CHAPTER 11-54). BEST MANAGEMENT PRACTICES SHALL BE USED TO MINIMIZE OR PREVENT THE DISCHARGE OF SEDIMENT, DEBRIS, AND OTHER POLLUTANTS TO STATE WATERS. PERMIT COVERAGE IS AVAILABLE FROM THE DEPARTMENT OF HEALTH, CLEAN WATER BRANCH AT <http://health.hawaii.gov/cwb>. THE OWNER/DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR OBTAINING OTHER FEDERAL, STATE, OR LOCAL AUTHORIZATIONS AS REQUIRED BY LAW.

- VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ALL CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 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 DAMAGES TO EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
- FOR PROJECTS ABUTTING STATE HIGHWAYS' RIGHTS-OF-WAY, THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL NOTIFY THE STATE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, MAUI DISTRICT, DRAINAGE DISCHARGE UNIT AT (808)873-3535 FOR AN ASSESSMENT OF STATE HIGHWAYS PERMIT REQUIREMENTS.
- FOR BENCHMARK, SEE SHEET C-103.
- THE CONTRACTOR SHALL NOTIFY ALL AGENCIES TO VERIFY THE ACTUAL LOCATION OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE ALL WORK.
- THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION OR BETTER CONDITION ALL IMPROVEMENTS AND VEGETATION DAMAGED AS A RESULT OF THE CONSTRUCTION, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL, DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL.
- EXISTING TOPOGRAPHIC DATA WAS TAKEN FROM A TOPOGRAPHIC SURVEY PREPARED BY LINE OF SIGHT SURVEYING, INC. ENTITLED "TOPOGRAPHIC MAP, KAUMAHINA STATE WAYSIDE PARK, HONOMANU, HANA, MAUI, HAWAII", DATED SEPTEMBER 02, 2025. THE CONTRACTOR SHALL VERIFY FIELD DATA FOR ACCURACY. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE LIMITACO CONSULTING GROUP SHALL NOT BE HELD LIABLE FOR ANY ERRORS OR OMISSIONS ORIGINATING FROM THE PROVIDED TOPOGRAPHIC DATA.
- WORK INCIDENTAL TO THE CONTRACT AND NECESSARY TO COMPLETE THE PROJECT, ALTHOUGH NOT SPECIFICALLY REFERRED TO ON THE CONTRACT DOCUMENTS, SHALL BE FURNISHED AND PERFORMED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR UTILITIES SUCH AS ELECTRICITY, WATER, ETC. REQUIRED FOR HIS OPERATIONS AND ALL COSTS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS FROM APPROPRIATE GOVERNMENT AGENCIES.

CONSTRUCTION NOTES (CONT.)

- THE PARK WILL REMAIN OPEN TO THE EXTENT FEASIBLE DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL INSTALL ADEQUATE TEMPORARY BARRICADES AND WARNING SIGNS TO PROTECT THE PUBLIC DURING THE CONSTRUCTION PERIOD. PROVIDE AND MAINTAIN A SAFE PEDESTRIAN ACCESS AND VEHICLE ACCESS TO THE PARK AND PARK FACILITIES THROUGHOUT THE CONSTRUCTION PERIOD.
- CONTRACTOR SHALL ERECT TEMPORARY BARRICADES AND SIGNS WHICH SHALL BE CONSTRUCTED, PAINTED, AND MAINTAINED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER. TEMPORARY BARRICADES SHALL INCLUDE A DETECTABLE SURFACE. TAPE BARRICADES ARE NOT ACCEPTABLE.
- ALL REQUIRED UTILITY ADJUSTMENTS SUCH AS MANHOLE AND/OR VALVE BOX FRAMES AND COVERS SHALL BE DONE BY THE CONTRACTOR.
- ALL STRIPING SHALL BE THERMOPLASTIC.
- PROVIDE THEFT-RESISTANT FASTENERS FOR ALL ACCESSORY MOUNTINGS. ALL FASTENERS SHALL BE STAINLESS STEEL WITH THEFT-RESISTANT TYPE HEADS OR NUTS.
- THE ENGINEER WILL DELEGATE THE CONTRACTOR AS THE AUTHORIZED REPRESENTATIVE TO SUBMIT ALL NECESSARY DOCUMENTS AND REPORTS AS REQUIRED BY DOH AND MAUI COUNTY DIRECTLY TO THEIR OFFICES AT NO COST TO THE STATE.
- THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION OR BETTER, ALL IMPROVEMENTS DAMAGED AS A RESULT OF CONSTRUCTION, INCLUDING PAVEMENT, EMBANKMENTS, CURBS, GUTTERS, DRIVEWAYS, SIDEWALKS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, PAVEMENT MARKINGS, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL.

GRADING NOTES

- ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH TITLE 20 OF THE MAUI COUNTY CODE, AS AMENDED, THE GEOTECHNICAL REPORT ENTITLED "GEOTECHNICAL ENGINEERING EXPLORATION, SITE IMPROVEMENTS AT KAUMAHINA STATE WAYSIDE PARK, HONOMANU, MAUI, HAWAII" DATED DECEMBER 23, 2025 PREPARED BY KOKUA GEOTECH LLC, AND PLANS AND THE PROJECT SPECIFICATIONS.
- NO CONTRACTOR SHALL PERFORM ANY GRADING OPERATION AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW ONTO ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY.
- 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 CONTAINED IN THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 60.1, "AIR POLLUTION CONTROL".
- 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 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.
- ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE.
- ALL SLOPES AND EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS, AND ANY AREA WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE PLANTED.
- FILLS ON SLOPES STEEPER THAN 5H:1V (5:1) SHALL BE CONTINUOUSLY KEYED AND BENCHED.
- THE BORROW/DISPOSAL SITE MUST FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
- NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS AT ANY TIME WITHOUT PRIOR NOTICE TO THE ENGINEER, PROVIDED SUCH GRADING WORK IS ALSO IN CONFORMANCE WITH THE COMMUNITY NOISE CONTROL STANDARDS CONTAINED IN THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 46, "COMMUNITY NOISE CONTROL".
- THE LIMITS OF THE AREA TO BE GRADED SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
- WHERE APPLICABLE AND FEASIBLE, THE MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTH MOVING PHASE OF THE GRADING IS INITIATED.
- TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN-PLACE AND ESTABLISHED.
- TEMPORARY EROSION CONTROL PROCEDURES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO APPLICATION FOR GRADING PERMIT.
- IF THE GRADING WORK INVOLVES CONTAMINATED SOIL, THEN ALL GRADING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS.

GRADING NOTES (CONT.)

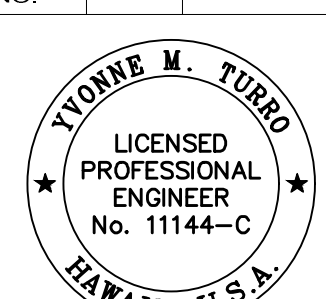
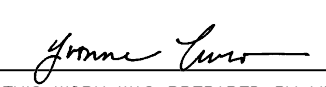
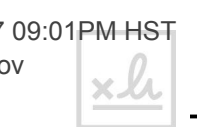
- ALL GRADING AND CONSTRUCTION WORK SHALL IMPLEMENT MEASURES TO ENSURE THAT THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE WILL BE REDUCED TO THE MAXIMUM EXTENT PRACTICABLE AND WILL NOT CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF WATER QUALITY STANDARDS.
- NON-COMPLIANCE TO ANY OF THE ABOVE REQUIREMENTS SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, AND REMEDIAL WORK SHALL COMMENCE IMMEDIATELY. ALL COSTS INCURRED SHALL BE BILLED TO THE VIOLATOR. FURTHERMORE, VIOLATORS SHALL BE SUBJECTED TO ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES.
- FOR BENCH MARK, SEE DRAWING C-103.
- UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND CONSTRUCTION OF WATER SYSTEM FACILITIES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE COUNTY OF MAUI, DEPARTMENT OF WATER SUPPLY'S "WATER SYSTEM STANDARDS", DATED 2002, THE "WATER SYSTEM EXTERNAL CORROSION CONTROL STANDARDS", VOLUME 3, DATED 1991, AND ALL SUBSEQUENT AMENDMENTS AND ADDITIONS, THE UNIFORM PLUMBING CODE AND APPLICABLE SECTIONS OF THE MAUI COUNTY CODE, AND THE SPECIFICATIONS.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN ON THE PLANS ARE FROM THE LATEST AVAILABLE DATA BUT ARE NOT GUARANTEED AS TO THEIR ACCURACY OR THE ENCOUNTERING OF OTHER OBSTACLES DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOT ASSUME THAT WHERE NO UTILITIES ARE SHOWN, THAT NONE EXIST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL WATERLINES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE ESPECIALLY CAREFUL WHEN EXCAVATING BEHIND WATERLINES, TEES, AND BENDS WHEREVER THERE IS A POSSIBILITY OF WATERLINE MOVEMENT DUE TO THE REMOVAL OF THE SUPPORTING EARTH BEYOND THE EXISTING REACTION BLOCKS. THE CONTRACTOR SHALL TAKE WHATEVER MEASURES NECESSARY TO PROTECT THE WATERLINES, SUCH AS CONSTRUCTING SPECIAL REACTION BLOCKS (WITH DWS APPROVAL) AND/OR MODIFYING HIS CONSTRUCTION METHOD.
- PRIOR TO ANY EXCAVATING, THE CONTRACTOR SHALL VERIFY IN THE FIELD THE LOCATION OF EXISTING WATERLINES AND APPURTENANCES.
- THE CONTRACTOR SHALL ADJUST ALL MANHOLE FRAMES/VALVE BOXES/ METER BOXES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR "REFERENCING" THESE MANHOLES/VALVE BOXES/METER BOXES TO FACILITATE THE ADJUSTMENTS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASSUMPTIONS, DEDUCTIONS, OR CONCLUSIONS HE/SHE MAY MAKE OR DERIVE FROM THE SUBSURFACE INFORMATION OR DATA FURNISHED ON THE PLANS. THE CONTRACTOR MUST SATISFY HIMSELF/HERSELF THROUGH HIS/HER OWN INVESTIGATIONS AS TO WHAT SUBSURFACE CONDITIONS ARE TO BE ENCOUNTERED.
- ALL WATER MAIN TRENCHES SHALL BE BACKFILLED AS INDICATED IN THE PROJECT DETAILS OR SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL EFFLUENT ASSOCIATED WITH THE CONSTRUCTION ACTIVITY AND THE DISINFECTION AND HYDROTESTING OPERATIONS TO SAFEGUARD PUBLIC HEALTH AND SAFETY IN ACCORDANCE WITH APPLICABLE DEPARTMENT OF HEALTH REQUIREMENTS. ALL PERMITS AND LICENSES FOR CONSTRUCTION WATER DISPOSAL, INCLUDING ALL APPLICATIONS, CHARGES, FEES, AND TAXES, ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- TEST PRESSURE SHALL BE ONE OF THE FOLLOWING: (A) PREVAILING LINE PRESSURE, JOINTS LEFT EXPOSED FOR 24 HOURS TO CHECK FOR LEAKS PRIOR TO BACKFILL OR (B) 150 PSI. DURING THE 30-MINUTE PRESSURE TEST, THE PRESSURE SHALL NOT DROP MORE THAN 10 PSI.
- THE CONTRACTOR SHALL FURNISH AND INSTALL POLYETHYLENE WRAP, 3 FEET MINIMUM AT ALL TAPS (FOR DI PIPE AND COPPER LATERAL COMBINATION ONLY).
- PIPE CUSHION SHALL BE OF HIGH RESISTIVITY MATERIAL. THE CONTRACTOR SHALL SUBMIT A SOIL CERTIFICATION THAT HIGH RESISTANT CUSHION MATERIAL HAS A RESISTIVITY GREATER THAN 5,000 OHM-CM. REMAINDER OF THE BACKFILL MATERIAL SHALL BE AS SPECIFIED IN THE WATER SYSTEM STANDARDS. PIPE CUSHION AND BACKFILL MATERIAL SHALL CONTAIN NO HAZARDOUS SUBSTANCES ABOVE REGULATORY ACTION LEVELS INCLUDING BUT NOT LIMITED TO LEAD, ASBESTOS, MERCURY, CHROMIUM, CADMIUM, ZINC, STRONTIUM, AND POLYCHLORINATED BIPHENYLS (PCB).
- PVC FITTINGS, INCLUDING DELFECTION COUPLINGS ARE NOT ALLOWED.
- DUCTLINE IRON FITTING SHALL BE USED FOR ALL TYPES OF FITTINGS.
- THE CONTRACTOR SHALL FOLLOW THE CHLORINATION AND WATER SAMPLING PROCEDURES AS INDICATED IN THE CONTRACT SPECIFICATIONS.
- POLYGON SHAPE FOR MECHANICAL JOINT GLANDS AS DESCRIBED IN AWWA STANDARD C111 SHALL BE "STRAIGHT-SIDED" OR AN APPROVED EQUAL ON A JOB-TO-JOB BASIS.
- THE CONTRACTOR SHALL CHLORINATE THE ENTIRE INSIDE SURFACE OF EACH PIPE AND FITTING WITH DISINFECTION SOLUTION OF 5 OUNCES OF SODIUM HYPOCHLORITE MIXED WITH 10 GALLONS OF WATER (FOR CONNECTION ONLY).
- INSTALL A MIL THICK, METALLIC, BLUE COLORED, 6 INCHES WIDE WARNING TAPE OVER CENTERLINE OF THE PIPE AND BELOW THE BASE COURSE ALONG THE ENTIRE LENGTH OF TRENCH. TAPE SHOULD BE MARKED WITH "CAUTION WATER LINE BURIED BELOW".

ARCHAEOLOGICAL NOTE

IN THE EVENT THAT SUBSURFACE HISTORIC RESOURCES, INCLUDING HUMAN SKELETAL REMAINS, STRUCTURAL REMAINS, CULTURAL DEPOSITS, ARTIFACTS, SAND DEPOSITS, OR SINK HOLES ARE IDENTIFIED DURING THE DEMOLITION AND/OR CONSTRUCTION WORK, CEASE WORK IN THE IMMEDIATE VICINITY OF THE FIND, PROTECT THE FIND FROM ADDITIONAL DISTURBANCE, AND CONTACT THE STATE HISTORIC PRESERVATION DIVISION, AT (808) 692-8015 AND THE ENGINEER.

DISABILITY AND COMMUNICATION ACCESS BOARD (DCAB) NOTES:

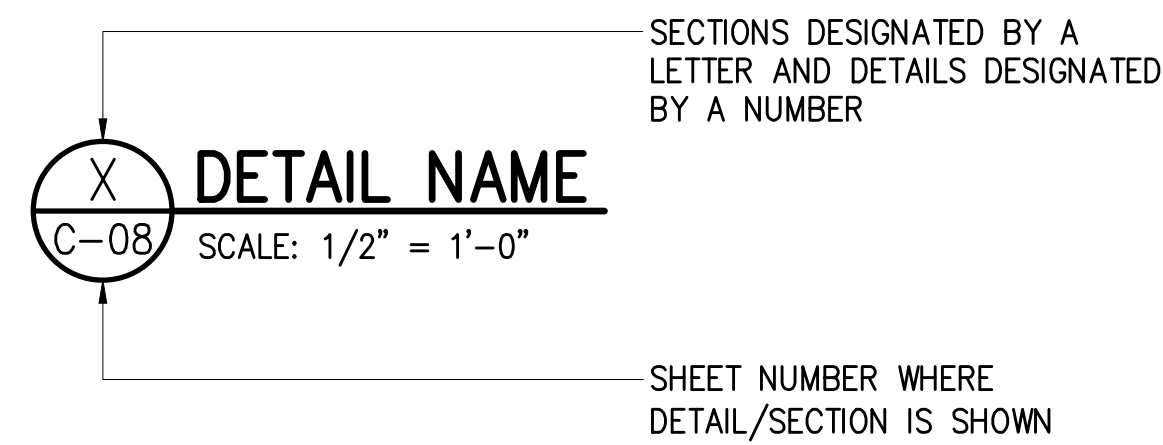
- THE PROJECT SHALL MEET THE ACCESSIBILITY REQUIREMENTS OF HAWAII REVISED STATUTES (HRS) 103-50 AND CURRENT ADAAG REQUIREMENTS TO ALL PUBLICLY-ACCESSIBLE FACILITIES DURING CONSTRUCTION.
- ESTABLISH FINISH ELEVATIONS FOR ALL UTILITY STRUCTURES, FRAMES AND COVERS WITHIN ACCESSIBLE ROUTES SUCH THAT THEY WILL BE FLUSH WITH THE SURFACE OF THE ADJACENT ACCESSIBLE ROUTE WHEN WORK IS COMPLETED. THE FINAL FINISH ELEVATION OF ANY SUCH ITEM SHALL NOT EXCEED 1/4" ABOVE OR BELOW THE ADJACENT FINISH ELEVATION OF THE ACCESSIBLE ROUTE AT ANY POINT. VARIATIONS IN EXCESS OF THIS AMOUNT WILL BE CONSIDERED DEFECTIVE WORK AND SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE STATE.
- DESIGN SLOPES FOR ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES ARE LESS THAN THE MAXIMUM SLOPES ALLOWED BY THE ACCESSIBILITY REGULATIONS. SLOPES AND SHALL BE CORRECTED AT NO COST TO THE STATE.
- MAXIMUM SLOPES FOR ACCESSIBLE ACCESS AISLES AND ACCESSIBLE ROUTES SHALL BE 2% IN ANY DIRECTION.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII			
		CIVIL NOTES - 1			
		DESIGNED: TLCG	SUBMITTED: APRIL 2026		
DRAWN: TLCG	DATE: APRIL 2026				
CHECKED: TLCG	SCALE: NONE				
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii		DRAWING NO. C-001		
CHIEF ENGINEER	 <small>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.</small>				

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES:

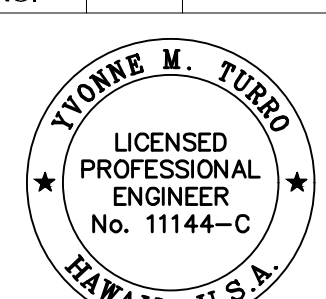
1. CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL QUALITY.
2. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND ITS SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH. THE COUNTY AND STATE SHALL REQUIRE SUPPLEMENTARY MEASURES IF REQUIRED.
3. THE CONTRACTOR SHALL NOT PERFORM ANY CONSTRUCTION OPERATIONS SO AS TO CAUSE FALLING ROCKS, SOIL, OR DEBRIS IN ANY FROM TO FALL INTO EXISTING COUNTY DRAINAGE SYSTEMS, OR ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES, SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY.
4. 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 OF THE PUBLIC.
5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO HAR TITLE 11 CHAPTER 46, PUBLIC HEALTH REGULATIONS, DEPARTMENT OF HEALTH, STATE OF HAWAII, "COMMUNITY NOISE CONTROL.
6. THE JOB SITE MUST BE LEFT IN A SAFE, SECURE CONDITION AT THE END OF EACH CONSTRUCTION WORK DAY. CLEAN UP AND REMOVE FROM THE JOB SITE ALL RUBBISH AND MAINTAIN THE PREMISES IN A CLEAN ORDERLY CONDITION AT ALL TIMES.
7. UPON COMPLETION OF CONSTRUCTION THE ENTIRE JOB SITE SHALL BE CLEANED OF ALL RUBBISH AND DEBRIS.

DETAIL/SECTION TITLE



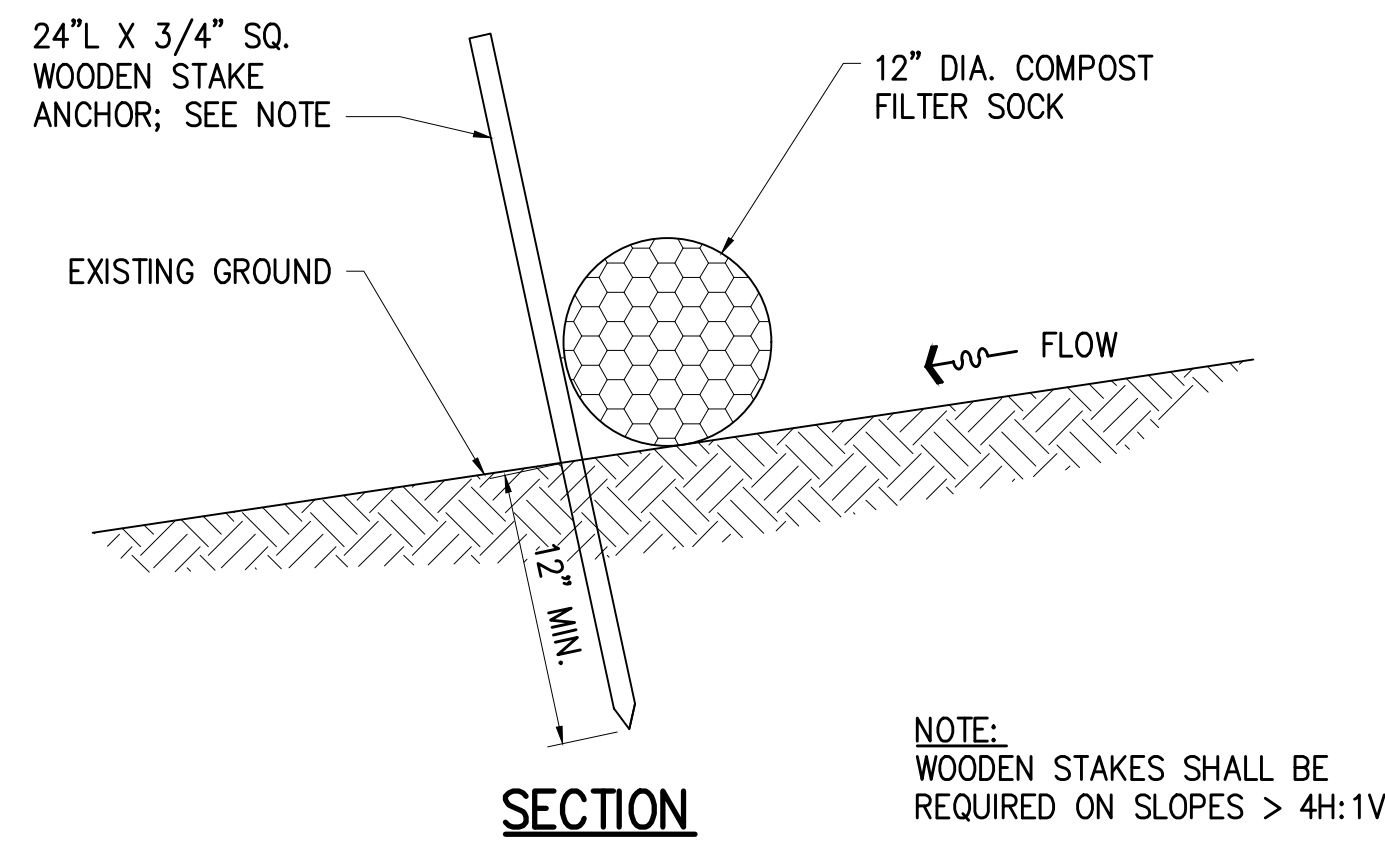
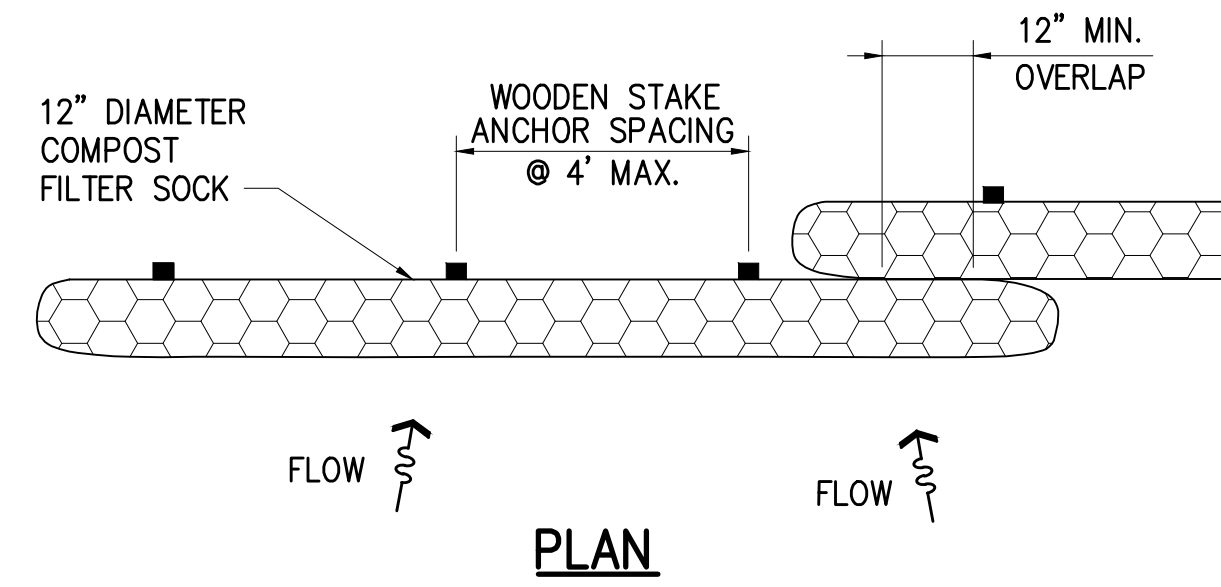
ABBREVIATIONS

A.C.	ASPHALT CONCRETE	INV	INVERT
ADA	AMERICANS WITH DISABILITIES ACT	ISA	INTERNATIONAL SYMBOL
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES		OF ACCESSIBILITY
ARCH.	ARCHITECTURAL	L	LENGTH
BB	BOTTOM BANK	LAND.	LANDSCAPING
BC	BOTTOM CURB	LAT	LATERAL
BLDG	BUILDING	LD.	LANDING
BOT.	BOTTOM	LF	LINEAR FOOT
BW	BOTTOM WALL	LP	LOW POINT
C	CENTER LINE	MAX.	MAXIMUM
C.L.	CHAIN-LINK	MIN.	MINIMUM
CLR.	CLEARANCE	MH	MANHOLE
CO	CLEAN OUT	N/P	NO PARKING
COTG	CLEANOUT TO GRADE	NP	NON-POTABLE
CONC.	CONCRETE	NTS	NOT TO SCALE
CONT.	CONTINUOUS	O.C.	ON CENTER
CRM	CONCRETE RUBBLE MASONRY	ORAR	OUTDOOR RECREATIONAL ACCESSIBLE ROUTE
D	DRAIN	PAVT	PAVEMENT
D.I.	DRAIN INLET	P	PROPERTY LINE
DIA.	DIAMETER	PMH	PRECAST MANHOLE
DET./DTL	DETAIL	PROF	PROFILE
DWG.	DRAWING	RD.	ROAD
E/ELEC.	ELECTRIC	ROW	RIGHT-OF-WAY
EA.	EACH	S	SEWER
EG	EXISTING GRADE	SMH	SEWER MANHOLE
ELEV./EL.	ELEVATION	SQ.	SQUARE
EP	EDGE OF PAVEMENT	STA.	STATION
ESCP	EROSION AND SEDIMENT CONTROL PLAN	STD.	STANDARD
EXP.	EXPOSED	STRUCT.	STRUCTURAL
EXIST.	EXISTING	T	TOP
FF	FINISH FLOOR	TB	TOP BANK
FG	FINISH GRADE	TC	TOP CURB
FH	FIRE HYDRANT	TMK	TAX MAP KEY
H	HEIGHT	TP	TOP PIPE
HAR	HAWAII ADMINISTRATIVE RULES	TW	TOP WALL
HB	HOSE BIBB	TYP.	TYPICAL
H.C.	HANDICAP	W	WATER
HODAAG	HAWAII OUTDOOR DEVELOPED AREAS ACCESSIBILITY GUIDELINES	W.L.	WATERLINE
HP	HIGH POINT	WS	WHEEL STOP
		WV	WATER VALVE

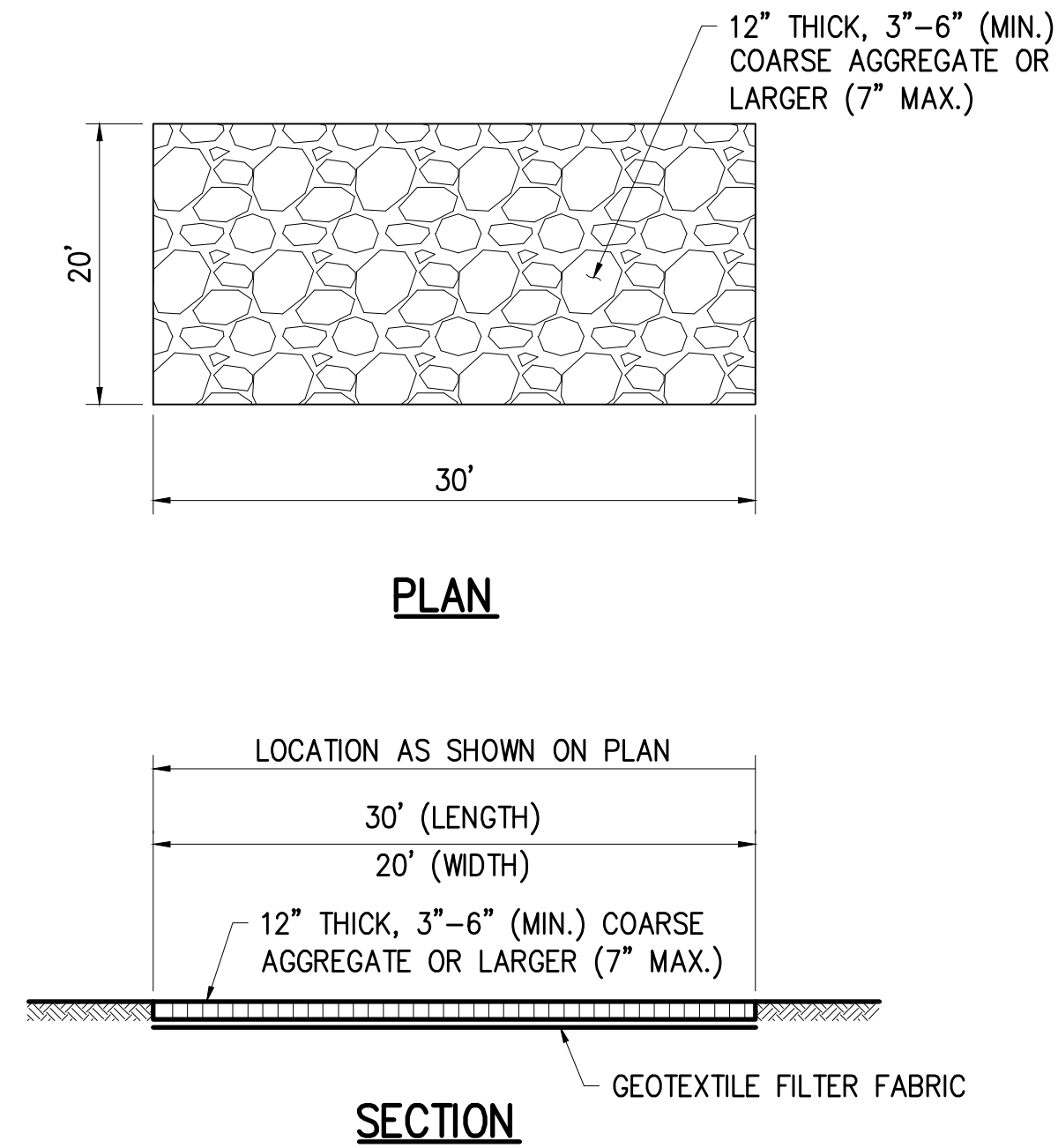
REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
					
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII CIVIL NOTES - 2					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:	NONE		
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii Civil Engineer			DRAWING NO. C-002	

BEST MANAGEMENT PRACTICES (BMPs):

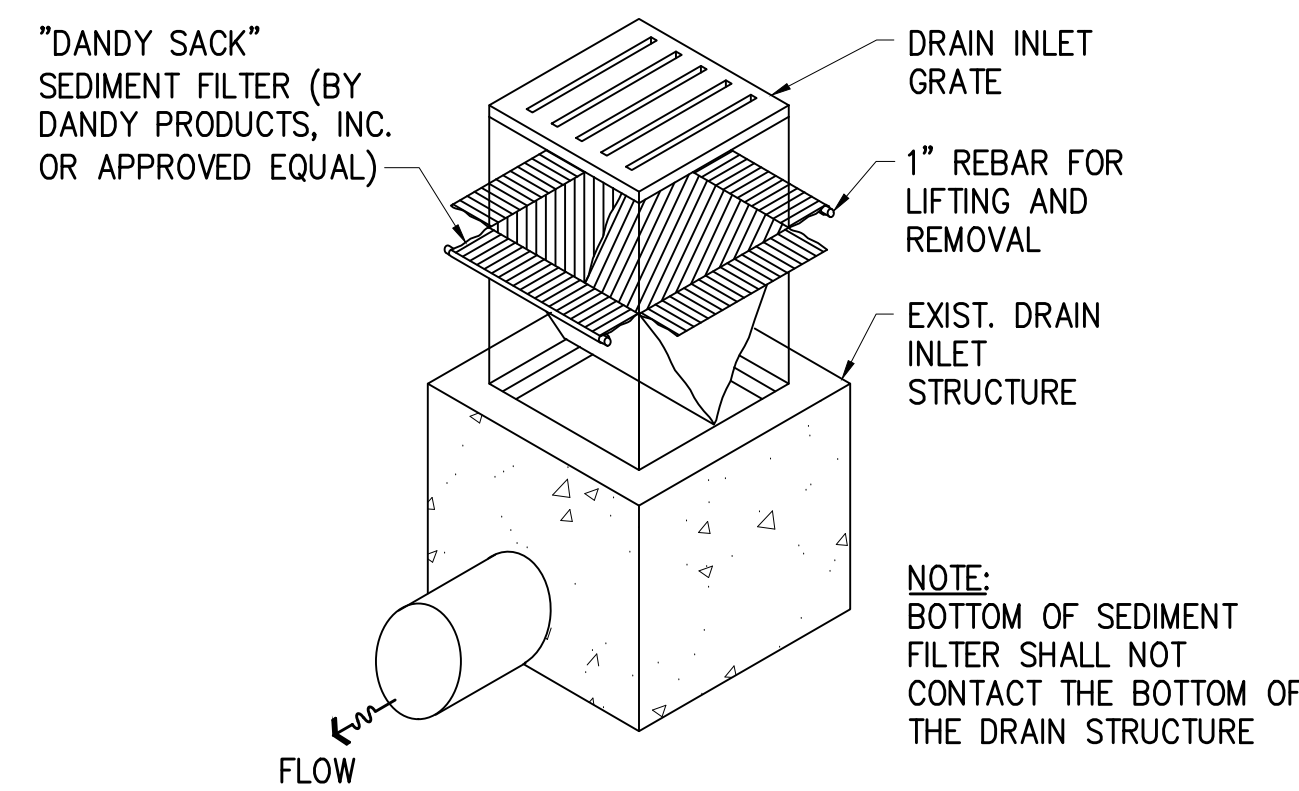
1. THE CONTRACTOR, AT THEIR OWN EXPENSE, SHALL CONFORM WITH THE APPLICABLE PROVISIONS OF CHAPTER 54, WATER QUALITY STANDARDS, CHAPTER 55, WATER POLLUTION, OF THE TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.
2. THE CONTRACTOR, AT THEIR OWN EXPENSE, SHALL KEEP THE PROJECT AREAS AND SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE DONE IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF CHAPTER 60, AIR POLLUTION CONTROL OF THE TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.
3. MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY CONSTRUCTION IS INITIATED. THESE MEASURES SHALL BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
4. CONTRACTOR SHALL OBSERVE AND COMPLY WITH THE STATE DEPARTMENT OF HEALTH REGULATIONS REGARDING STORM WATER DISCHARGE.
5. ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, FOR EXAMPLE, WEEKLY IN DRY PERIODS AND WITHIN TWENTY-FOUR HOURS AFTER ANY RAINFALL OF 0.5 INCHES OR GREATER WITHIN A 24-HOUR PERIOD. DURING AN EVENT OF ABOVE NORMAL RAINFALL, THE CONTRACTOR SHALL REMOVE THE SEDIMENT AND DRAIN INLET FILTER AND REPLACE AFTER THE EVENT HAS PASSED.
6. GOOD HOUSEKEEPING SHALL BE UTILIZED TO ENSURE PROTECTION OF ROADWAYS FROM MUD, DIRT, AND DEBRIS.
7. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES FOR THEIR CONSTRUCTION, STAGING, AND STORAGE AREAS AND SHALL INSPECT AND MONITOR THEIR CONSTRUCTION, STAGING, AND STORAGE AREAS TO ENSURE THAT NON-STORM WATER DISCHARGES ARE NOT EMITTED. IF SUCH SOURCES ARE IDENTIFIED THE CONTRACTOR SHALL PROVIDE IMMEDIATE MITIGATIVE MEASURES.
8. CONTRACTOR SHALL INSTALL TEMPORARY FILTER SOCKS AS INDICATED BY THE PLANS.
 - A. THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, BE RESPONSIBLE TO REMOVE SEDIMENT ONCE IT HAS ACCUMULATED TO WITHIN HALF OF THE BERM HEIGHT.
 - B. THE CONTRACTOR SHALL BE RESPONSIBLE TO MONITOR AND MAINTAIN THE FILTER SOCK UNTIL THE DISTURBED AREA ABOVE THE FILTER SOCK IS PERMANENTLY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR/REPLACE SPLIT, TORN, OR SLUMPING COMPOST FILTER SOCKS. REPAIRS TO DAMAGED COMPOST FILTER SOCKS MUST PRESERVE FILTRATION CAPABILITIES.
9. NO SEDIMENT LADEN RUNOFF SHALL LEAVE THE SITE.
10. THE FINAL LIFT OF EACH DAYS WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIALS.
11. THE CONTRACTOR SHALL DISPOSE OF VEGETATION, EQUIPMENT, WASTE CONCRETE AND HYDRAULIC OILS OFF-SITE.
12. AT THE END OF CONSTRUCTION, ANY ACCUMULATED SEDIMENT AND DEBRIS CAPTURED BY THE EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFFSITE BY THE CONTRACTOR.
13. GRASS SHALL BE ESTABLISHED ON DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WILL NOT BE WORKED FOR LONGER THAN 14 DAYS. ALTERNATIVES TO GRASS INCLUDE EROSION BLANKETS WITH ANCHORS OR 6-MIL PLASTIC SHEETS. PERMANENT GRASSING SHALL BE APPLIED UPON COMPLETION OF GRADING WORK. THE CONTRACTOR SHALL ALSO ESTABLISH COVER OR LANDSCAPE PRIOR TO REMOVING EROSION CONTROL MEASURES.



1 FILTER SOCK DETAIL
C-003 NOT TO SCALE



2 CONSTRUCTION ENTRANCE DETAIL
C-003 NOT TO SCALE



3 DRAIN INLET PROTECTION DETAIL
C-003 NOT TO SCALE

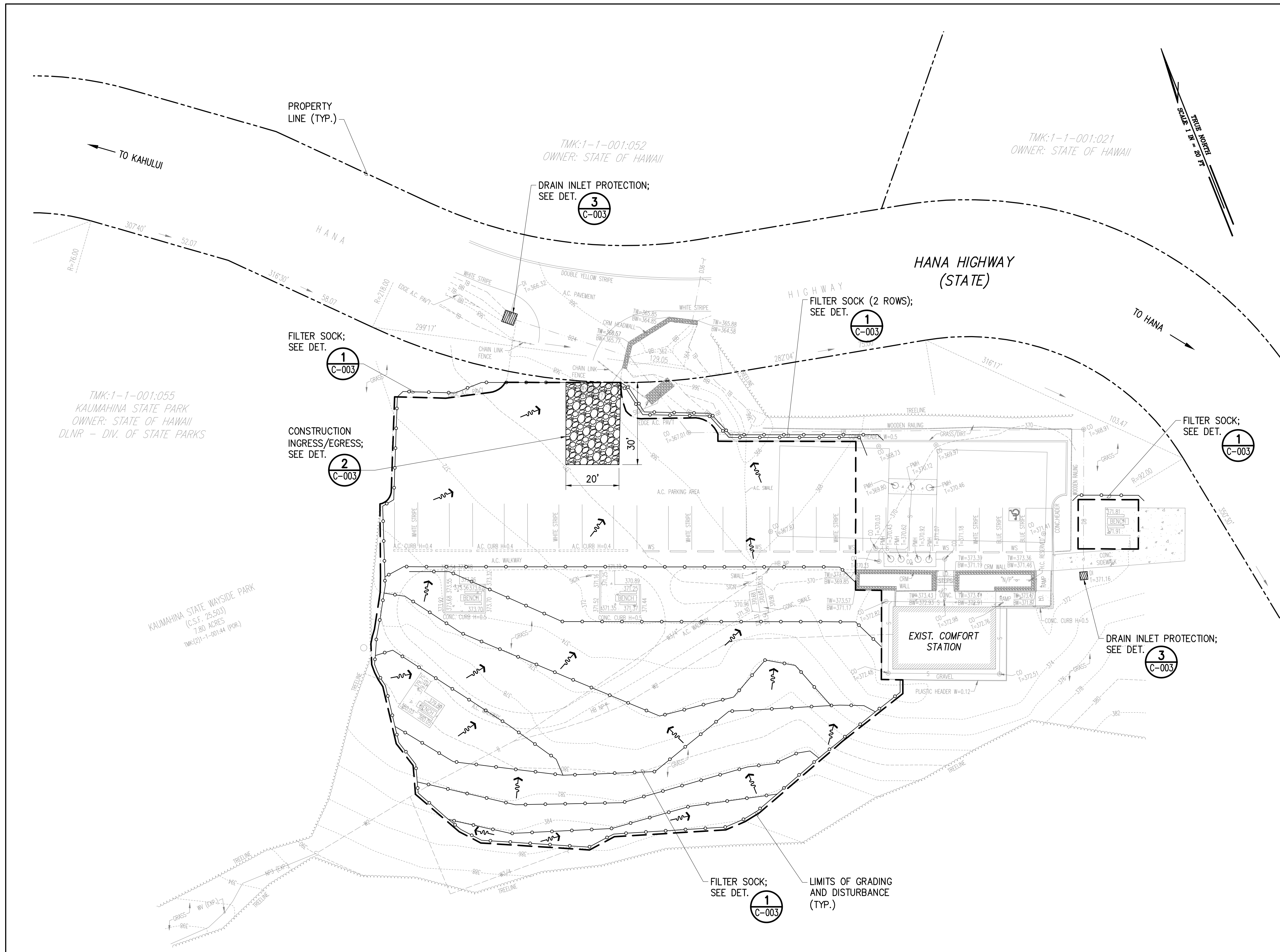
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII EROSION AND SEDIMENT CONTROL NOTES					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:	NONE		
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii	DRAWING NO.	C-003		
CHIEF ENGINEER					

LEGEND:

- PROPERTY LINE
- LIMITS OF GRADING AND DISTURBANCE
- FILTER SOCK
- 370--- EXISTING MAJOR CONTOURS
- 376--- EXISTING MINOR CONTOURS
- ▨ STABILIZED CONSTRUCTION ENTRANCE
- ← FLOW ARROW
- ▨ DRAIN INLET PROTECTION

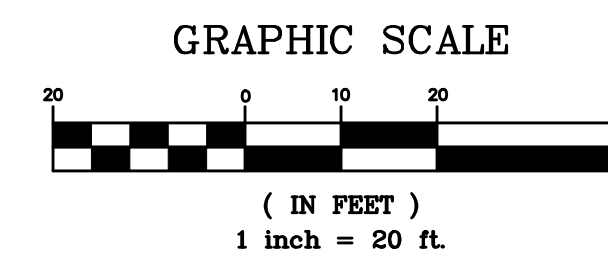
NOTES:

1. CONTRACTOR TO PREVENT SEDIMENT AND DEBRIS FROM LEAVING SITE OR ENTERING DRAINAGE SYSTEM DURING CONSTRUCTION.
2. CONTRACTOR TO PROVIDE CONSTRUCTION BARRIER TO SEPARATE PUBLIC FROM CONSTRUCTION WORK AT ALL TIMES AND AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL RESTORE ALL EXISTING LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION. TEMPORARY FILTER SOCKS SHALL REMAIN IN PLACE UNTIL RESTORATION IS COMPLETE AND ACCEPTED BY THE ENGINEER.
4. LIMITS OF GRADING SHOWN ON PLANS REFLECT THE LIMITS OF GRADING INCLUDING ALL BID ADDITIVES. LIMITS OF GRADING SHALL BE ADJUSTED FOR SELECTED BID ADDITIVES ONLY.
5. ENSURE POSITIVE FLOW (NO SAGS) ALONG ENTIRE LENGTH OF FILTER SOCK DIVERSION.



EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 20'



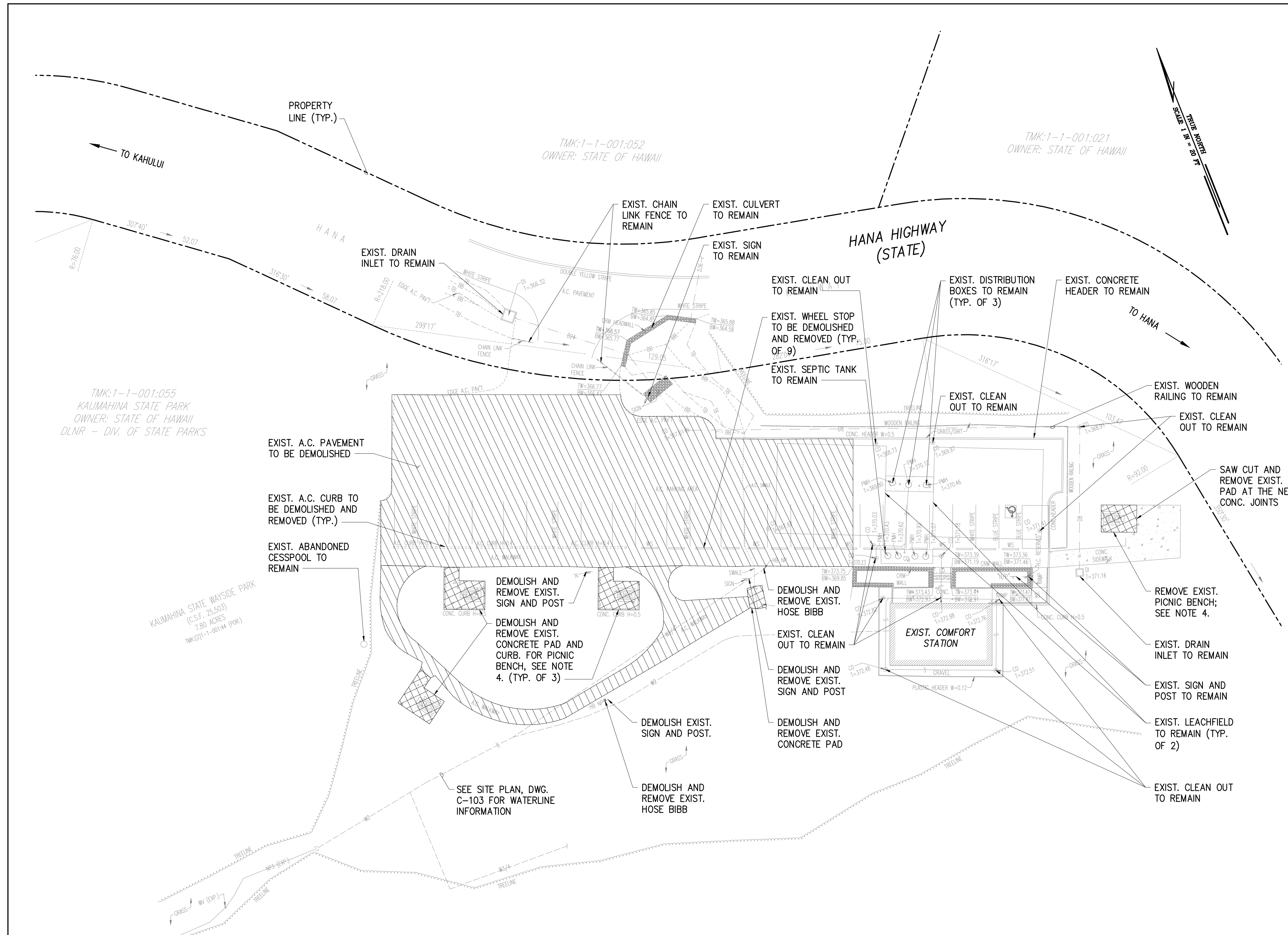
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII</p> <p>EROSION AND SEDIMENT CONTROL PLAN</p>					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:	1" = 20'		
APPROVED:	Dina Lau	E-signed 2026-04-27 09:01PM HST			DRAWING NO.
CHIEF ENGINEER	dina.u.lau@hawaii.gov	State of Hawaii			C-101

LEGEND:

- PROPERTY LINE
- A.C. PAVEMENT TO BE DEMOLISHED
- CONC. TO BE DEMOLISHED

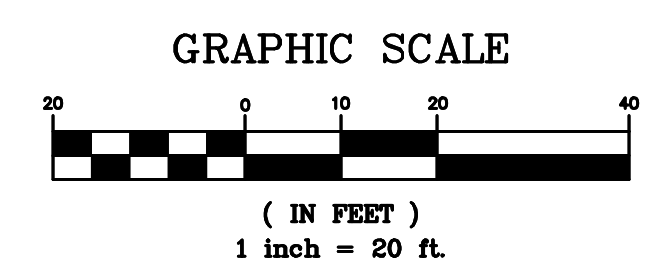
NOTES:

1. CONTRACTOR TO PREVENT SEDIMENT AND DEBRIS FROM LEAVING SITE OR ENTERING DRAINAGE SYSTEM DURING CONSTRUCTION.
2. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, PAVEMENTS, SIDEWALKS, FENCING, CURBS, AND VEGETATION IN WORK AREA WHETHER OR NOT SHOWN ON PLANS, AT ALL TIMES, UNLESS INDICATED TO BE REMOVED OR RELOCATED.
3. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO START OF CONSTRUCTION. ALL EXISTING UTILITIES SHALL REMAIN UNLESS NOTED OTHERWISE.
4. ENGINEER SHALL DETERMINE IF EXISTING PICNIC BENCHES WILL BE SALVAGED BY THE STATE OR REMOVED FROM THE SITE BY THE CONTRACTOR.
5. ALL EXISTING STRIPING, WHEEL STOPS, AND A.C. CURBS WITHIN GRADING LIMITS TO BE DEMOLISHED.
6. CONTRACTOR SHALL INSTALL BMPs SHOWN ON DWG. NO. C-101 AND RECEIVE ENGINEER'S APPROVAL PRIOR TO COMMENCING ANY DEMOLITION OPERATIONS.
7. FOR ADDITIONAL WATERLINE INFORMATION, SEE DWG. NO. C-103.



DEMOLITION PLAN

SCALE: 1" = 20'



REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
<p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII</p> <p>DEMOLITION PLAN</p>					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:	1" = 20'		
APPROVED:	<p>Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii</p>		DRAWING NO.		
CHIEF ENGINEER			C-102		

LEGEND:

- PROPERTY LINE
- W2" WATERLINE
- ▨ NEW CONCRETE PAVEMENT
- ▨ NEW A.C. PAVEMENT
- ▨ CONC. SLAB-ON-GRADE; SEE STRUCT. DWGS.

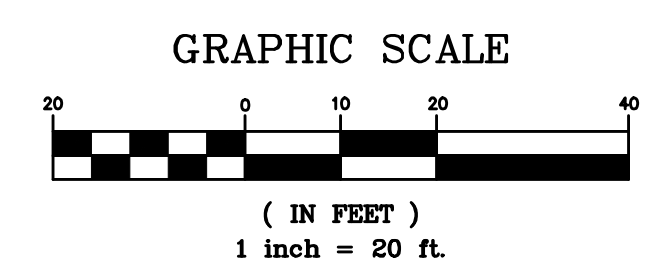
NOTES:

1. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, PAVEMENTS, SIDEWALKS, FENCING, AND VEGETATION IN WORK AREA, WHETHER OR NOT SHOWN ON PLANS, AT ALL TIMES, UNLESS INDICATED TO BE REMOVED OR RELOCATED.
2. DISTANCE BETWEEN WALKWAY TRANSVERSE JOINTS SHALL BE NO GREATER THAN THE WIDTH OF THE WALKWAY.
3. FOR PICNIC AREAS, SEE ARCH. AND STRUCT. DWGS.
4. FOR RAIN GARDEN (BID ADDITIVE 4), SEE LAND. DWGS.
5. PARKING COUNT
EXISTING: 24 STANDARD + 1 VAN ACCESSIBLE
PROPOSED: 24 STANDARD + 1 VAN ACCESSIBLE
6. ALL NEW PAVEMENT STRIPING SHALL BE THERMOPLASTIC.

NUMBERED SITE PLAN LABELS REFERENCE LIST	
①	21'40"00", 6.97' (NEW CONC. WALKWAY ϕ)
②	66'40"00", 74.88' (NEW CONC. WALKWAY ϕ)
③	NEW WALKWAY ϕ STA. 0+74.78 = PICNIC AREA 3 ϕ STA. 0+00.00 = PICNIC AREA 4 ϕ STA. 0+00.00
④	156'36'25", 42.99' (NEW CONC. WALKWAY ϕ)
⑤	201'40'00", 22.48' (NEW CONC. WALKWAY ϕ)
⑥	NEW CONC. WALKWAY ϕ STA. 1+33.52 = PICNIC AREA 3 ϕ STA. 0+00.00
⑦	PARKING LOT WALKWAY ϕ STA. 0+00.00 =BEGIN PARKING LOT WALKWAY ϕ
⑧	TIE DOWN START OF PARKING LOT WALKWAY ϕ 3.25' FROM CORNER OF EXIST. CRM WALL
⑨	111'40'00", 173.34' (PARKING LOT WALKWAY ϕ)
⑩	PARKING LOT WALKWAY ϕ STA. 0+99.48 =PICNIC AREA 2 ϕ STA. 0+00.00
⑪	PARKING LOT WALKWAY ϕ 1+58.31 =PICNIC AREA 1 ϕ STA. 0+00.00
⑫	201'40'00", 46.84' (DRAINAGE SWALE ϕ =PARKING LOT WALKWAY ϕ STA. 40+00.00)
⑬	PICNIC AREA 4 (BID ADDITIVE 2); SEE DET. ④
⑭	80'44'42", 88.78' TIE DOWN BENCHMARK TO PARKING LOT WALKWAY ϕ STA. 0+00.00

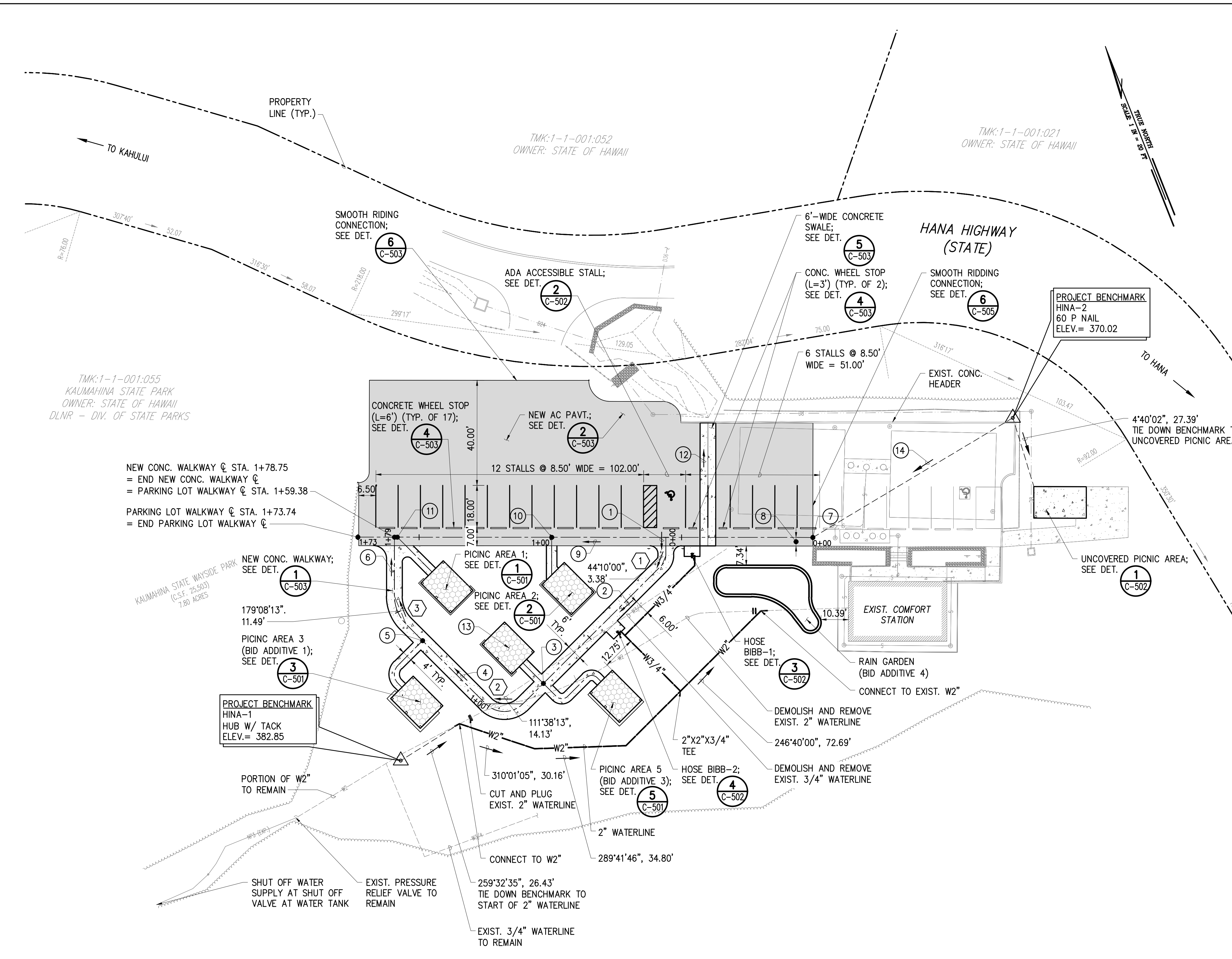
CURVE DATA					
CURVE	Δ	$\Delta/2$	R	T	Lc
①	45°00'00"	22°30'00"	5.00'	2.07'	3.93'
②	89°56'25"	44°58'13"	10.00'	9.99'	15.70'
③	45°03'35"	22°31'48"	15.00'	6.22'	11.80'

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII SITE PLAN					
DESIGNED: TLCG DRAWN: TLCG CHECKED: TLCG		SUBMITTED: APRIL 2026 DATE: APRIL 2026 SCALE: 1" = 20'		APPROVED: Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii Civil Engineer	
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.				DRAWING NO. C-103	



SITE PLAN

SCALE: 1" = 20'



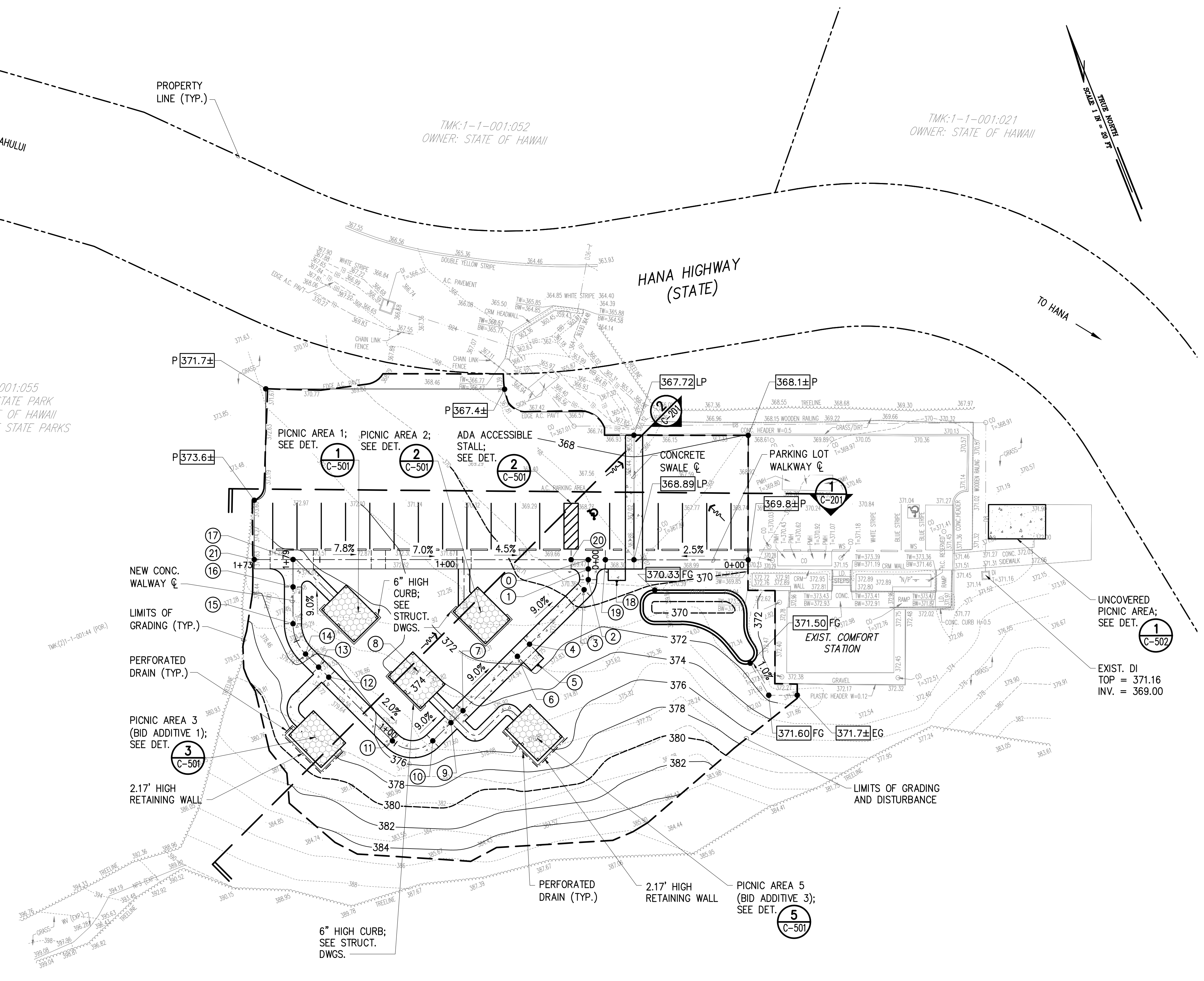
LEGEND:

-----	PROPERTY LINE	---370---	PROPOSED MAJOR CONTOURS
-----	LIMITS OF GRADING AND DISTURBANCE	---376---	PROPOSED MINOR CONTOURS
- - - - -	PERFORATED DRAIN; SEE SITE DETAILS DWG. NO. C-501	---370---	EXISTING MAJOR CONTOURS
-----	GRADE BREAK	---376---	EXISTING MINOR CONTOURS
		[Symbol]	NEW CONCRETE PAVEMENT
		[Symbol]	CONC. SLAB-ON-GRADE; SEE STRUCT. DWGS.

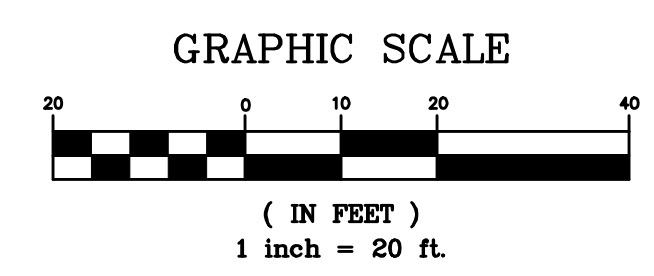
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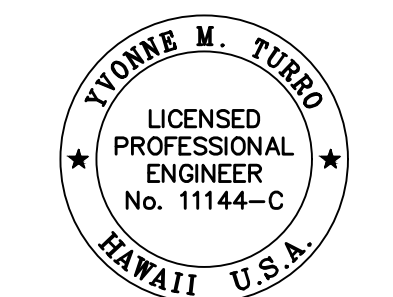
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, STRUCTURES, PAVEMENTS, SIDEWALKS, FENCING, CURBS, AND VEGETATION IN WORK AREA, WHETHER OR NOT SHOWN ON PLANS, AT ALL TIMES, UNLESS INDICATED TO BE REMOVED OR RELOCATED.
- LIMITS OF GRADING SHOWN ON PLANS REFLECT THE LIMITS OF GRADING INCLUDING ALL BID ADDITIVES. LIMITS OF GRADING SUBJECT TO CHANGE BASED ON CONSTRUCTION OF BID ADDITIVES.
- FOR SITE SECTIONS SEE DWG. NO. C-201.
- FOR WALKWAY PROFILES SEE DWG. NO. C-202.

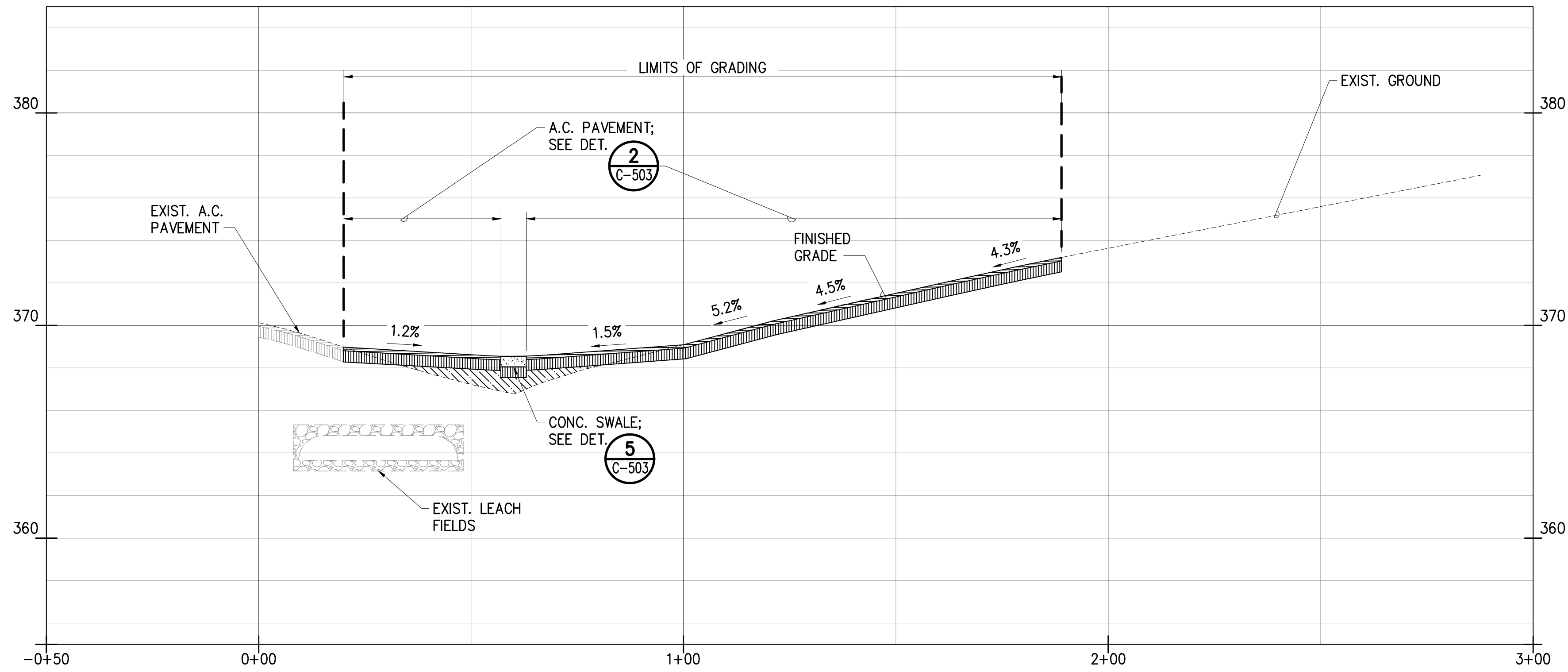
①	START OF NEW CONC. WALKWAY; SEE PROFILE =PARKING LOT WALKWAY @ STA. 0+56.00 FG=369.00	① C-202
①	NEW CONC. WALKWAY @ STA. 0+03.25, FG=369.05	
②	NEW CONC. WALKWAY @ STA. 0+06.97 (PC), FG=369.38	
③	NEW CONC. WALKWAY @ STA. 0+10.90 (PT), FG=369.42	
④	NEW CONC. WALKWAY @ STA. 0+37.90, FG=371.85	
⑤	HOSE BIBB - 2; SEE DET. ④	④ C-502
⑥	NEW CONC. WALKWAY @ STA. 0+43.90, FG=371.91	
⑦	NEW CONC. WALKWAY @ STA. 0+70.90, FG=374.34	
⑧	PICNIC AREA 4 (BID ADDITIVE 2); SEE DET. ④	④ C-501
⑨	NEW CONC. WALKWAY @ STA. 0+76.78, FG=374.40	
⑩	NEW CONC. WALKWAY @ STA. 0+85.78 (PC), FG=375.21	
⑪	NEW CONC. WALKWAY @ STA. 1+01.48 (PT), FG=375.84	
⑫	NEW CONC. WALKWAY @ STA. 1+33.02 (HP), FG=376.45	
⑬	NEW CONC. WALKWAY @ STA. 1+38.02, FG=376.40	
⑭	NEW CONC. WALKWAY @ STA. 1+44.47 (PC), FG=375.82	
⑮	NEW CONC. WALKWAY @ STA. 1+56.26 (PT), FG=375.35	
⑯	NEW CONC. WALKWAY @ STA. 1+69.16, FG=374.19	
⑰	NEW CONC. WALKWAY @ STA. 1+78.75, FG=374.08 =END NEW CONC. WALKWAY @ =PARKING LOT WALKWAY @ STA. 1+59.38	
⑱	HOSE BIBB - 1; SEE DET. ③	③ C-502
⑲	PARKING LOT WALKWAY @ STA. 0+50.00, FG=368.92	
⑳	PARKING LOT WALKWAY @ STA. 0+62.00, FG=369.00	
㉑	PARKING LOT WALKWAY @ STA. 1+73.34 =END PARKING LOT WALKWAY @	



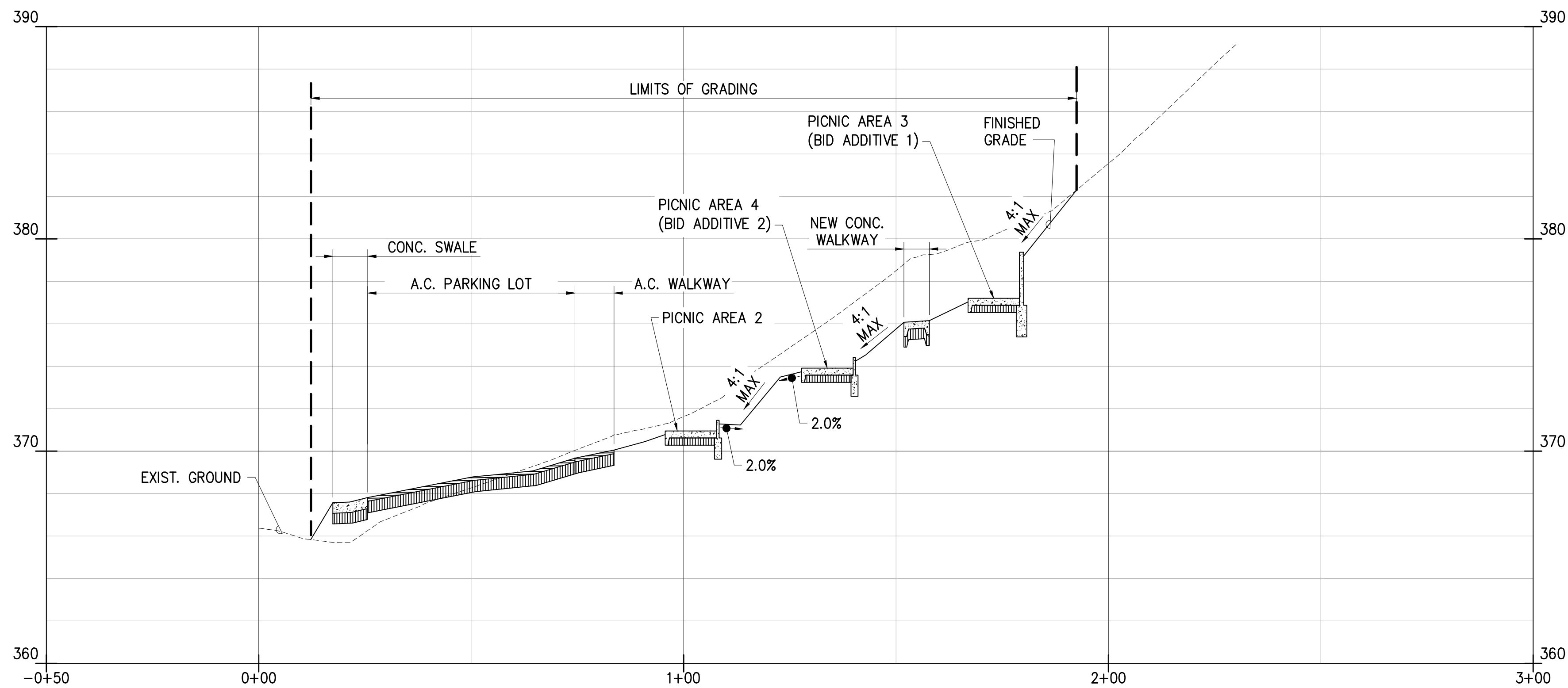
GRADING AND DRAINAGE PLAN
SCALE: 1" = 20'



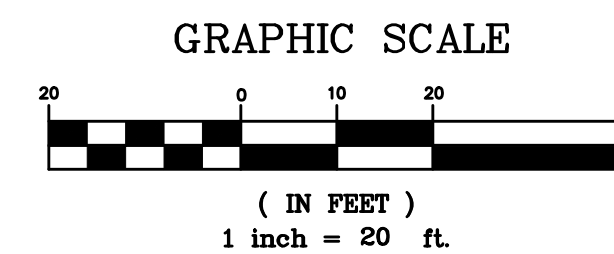
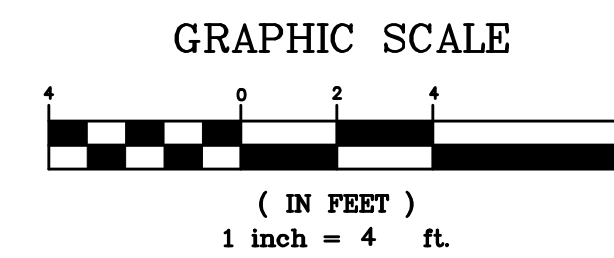
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
					
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII					
GRADING AND DRAINAGE PLAN					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:	1" = 20'		
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.lau@hawaii.gov State of Hawaii	DRAWING NO.	C-104		
CHIEF ENGINEER	Civil Engineer	SHEET NO.	8	OF	32 SHEETS

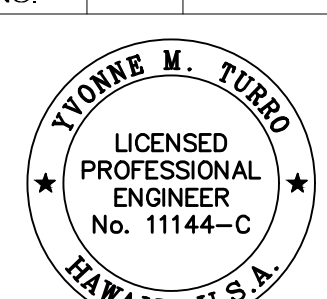


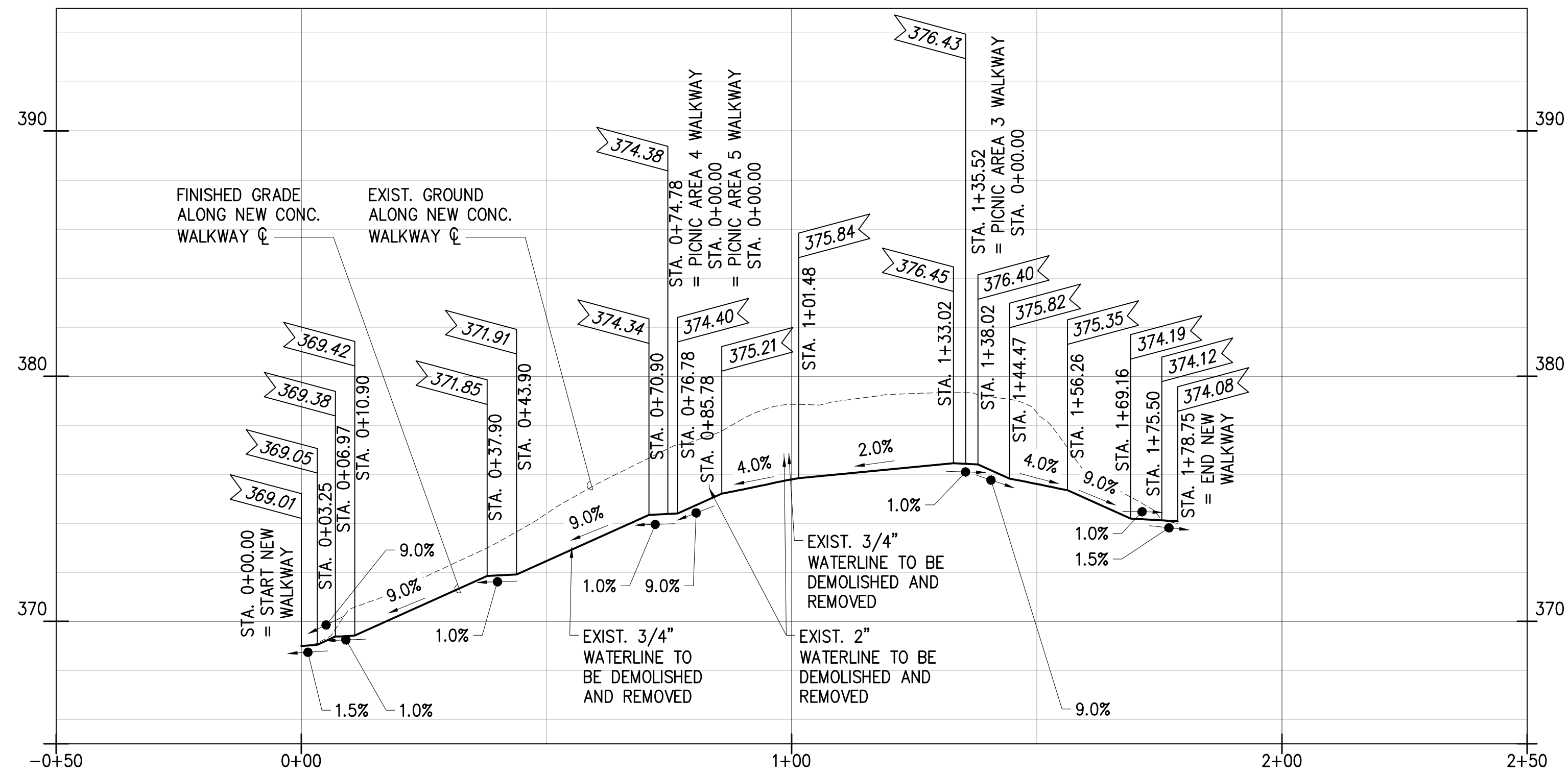
1 SITE SECTION
 C-201 SCALE: 1" = 20' (HORIZ.)
 1" = 4' (VERT.)



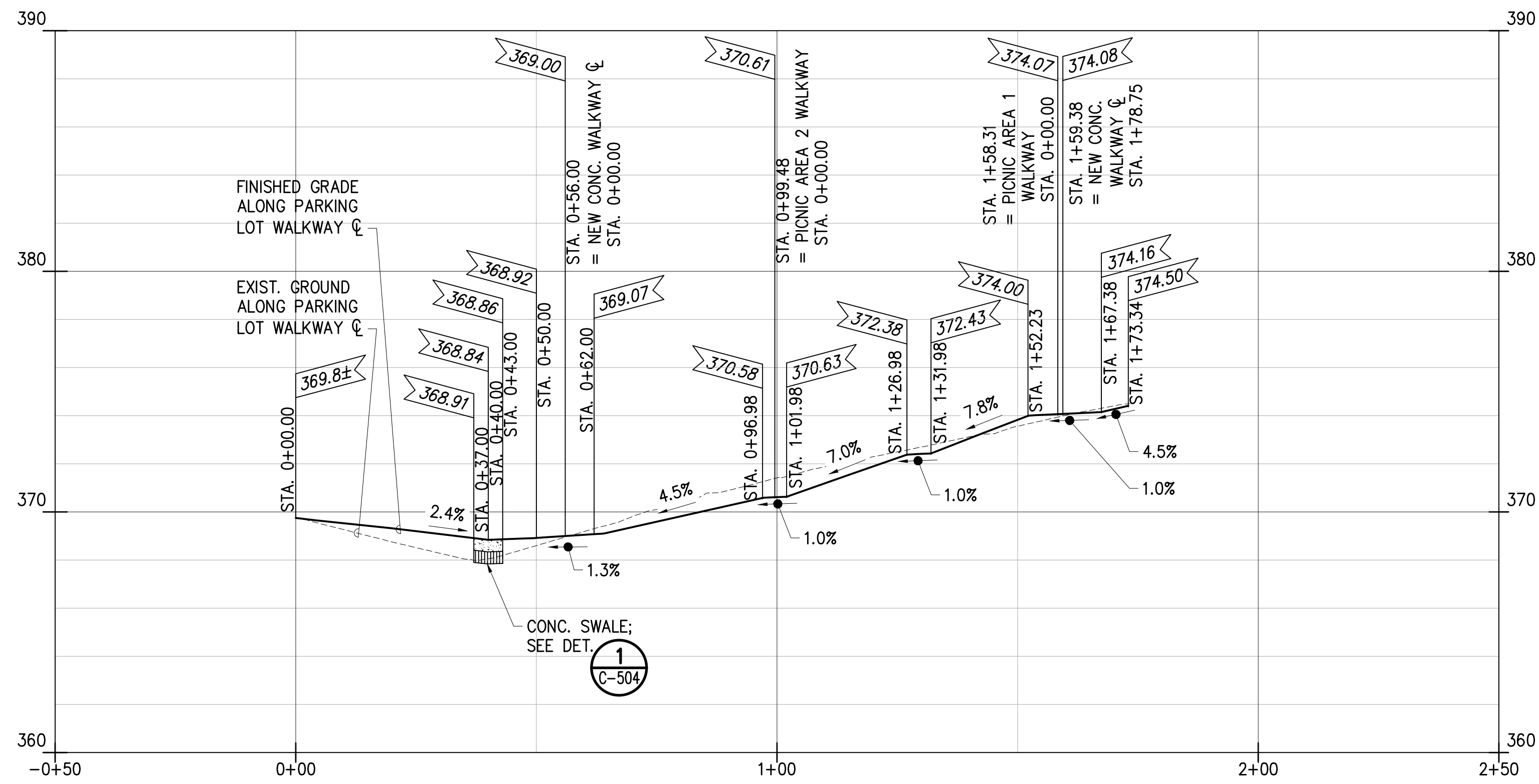
2 SITE SECTION
 C-201 SCALE: 1" = 20' (HORIZ.)
 1" = 4' (VERT.)



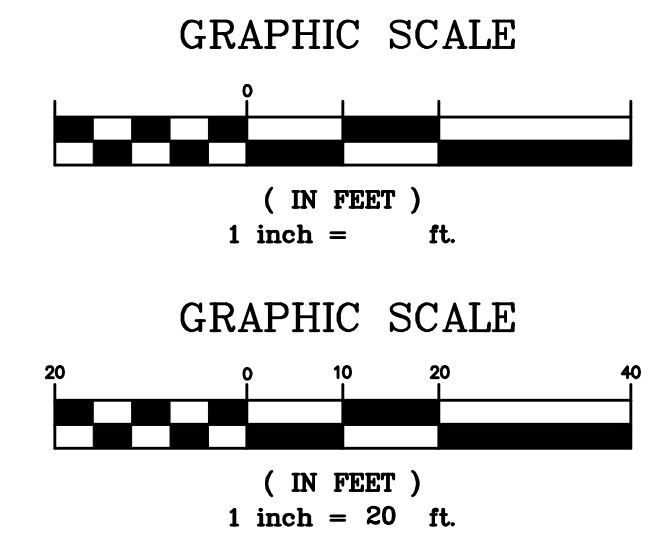
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
					
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII					
GRADING SECTIONS					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:	AS NOTED		
APPROVED:	Dina Lau	CHIEF ENGINEER	E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii	DRAWING NO.	C-201



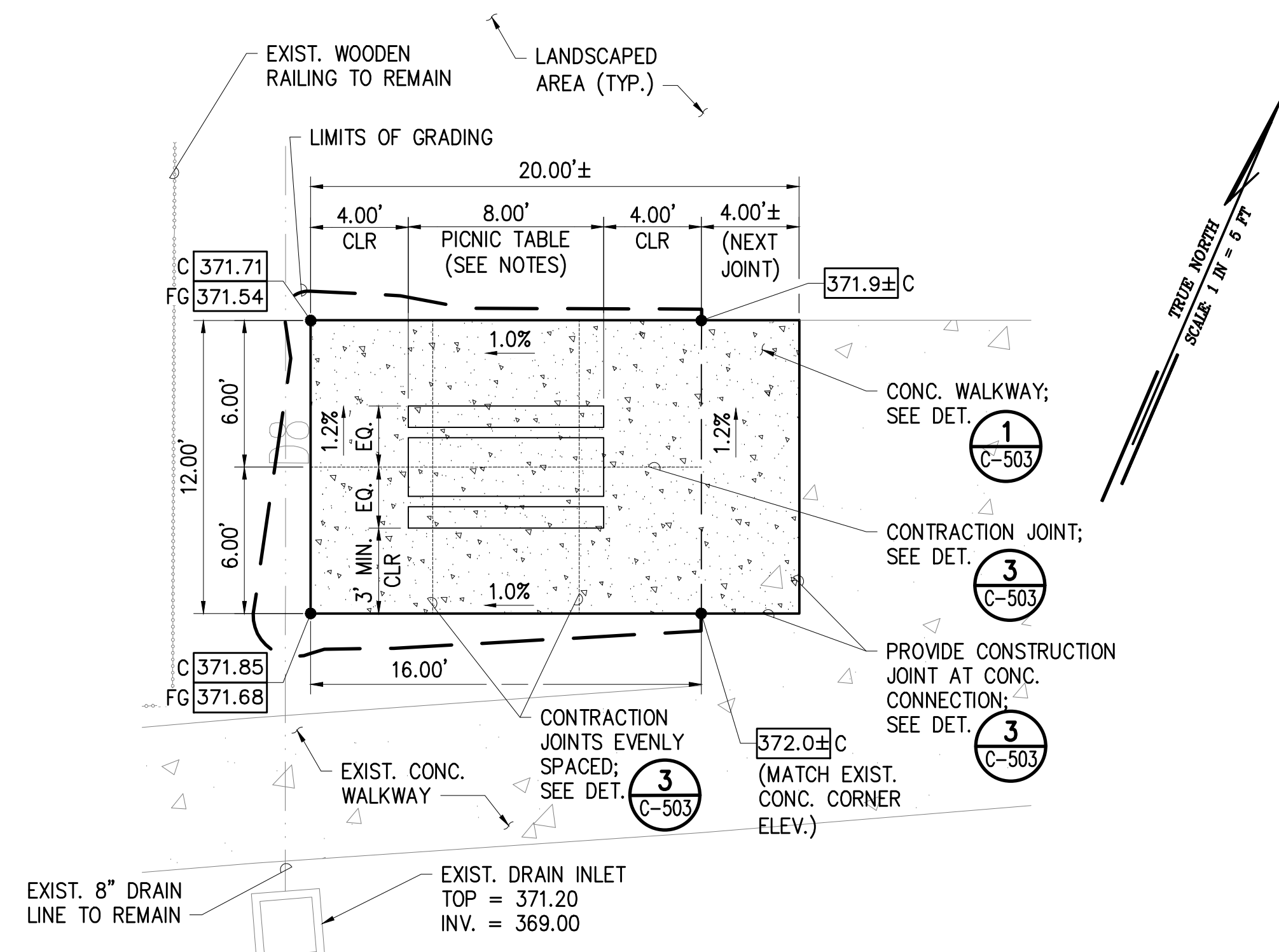
1 NEW CONCRETE WALKWAY PROFILE
 C-202 SCALE: 1" = 20' (HORIZ.)
 1" = 4' (VERT.)



2 PARKING LOT WALKWAY PROFILE
 C-202 SCALE: 1" = 20' (HORIZ.)
 1" = 5' (VERT.)



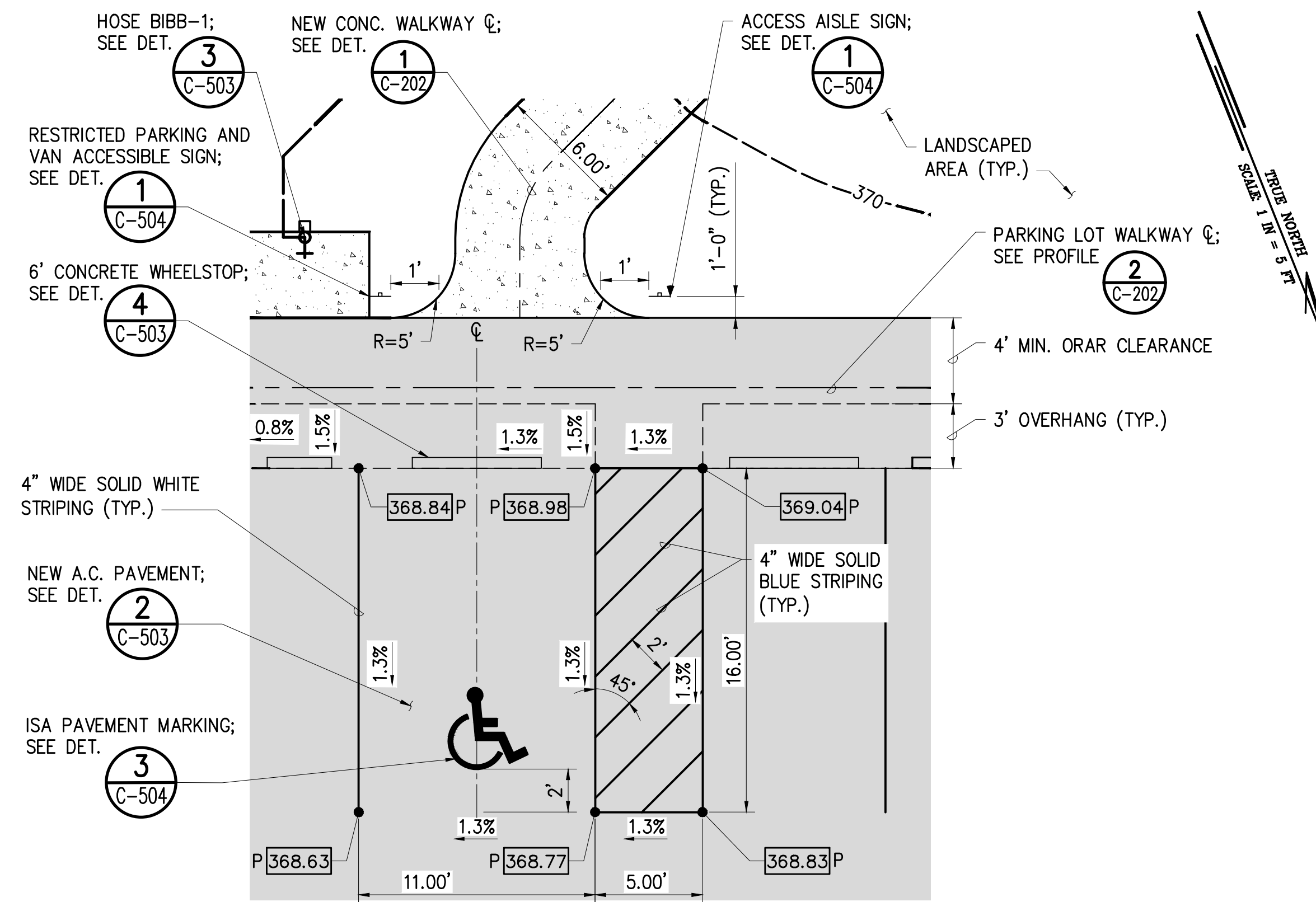
REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII WALKWAY PROFILES					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:			
APPROVED:	Dina Lau	THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.			
CHIEF ENGINEER	Dina Lau E-signed 2026-04-27 09:01PM HST dina.lau@hawaii.gov State of Hawaii Civil Engineer	DRAWING NO. C-202			



NOTES:

- PICNIC TABLE SHALL BE INSTALLED LEVEL AND SECURELY FASTENED TO THE CONCRETE PAD WITH A MINIMUM OF FOUR (4) ANCHOR STRAPS.
- ALL FASTENERS SHALL BE 316 STAINLESS STEEL WITH THEFT-RESISTANT TYPE HEADS OR NUTS.

1 UNCOVERED PICNIC AREA DETAIL
C-502 SCALE: 1" = 5'



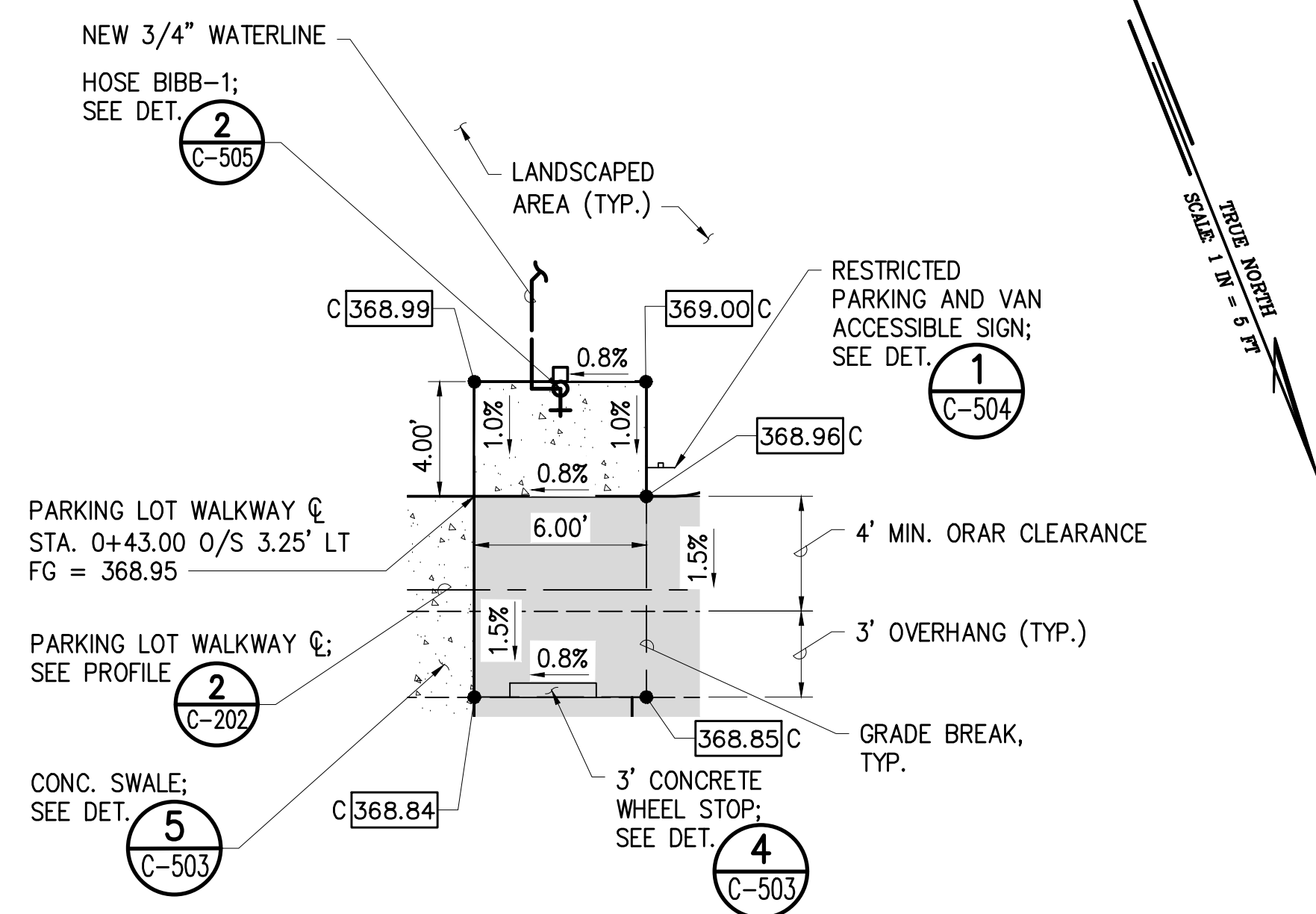
NOTES:

- ALL STRIPING SHALL BE THERMOPLASTIC.

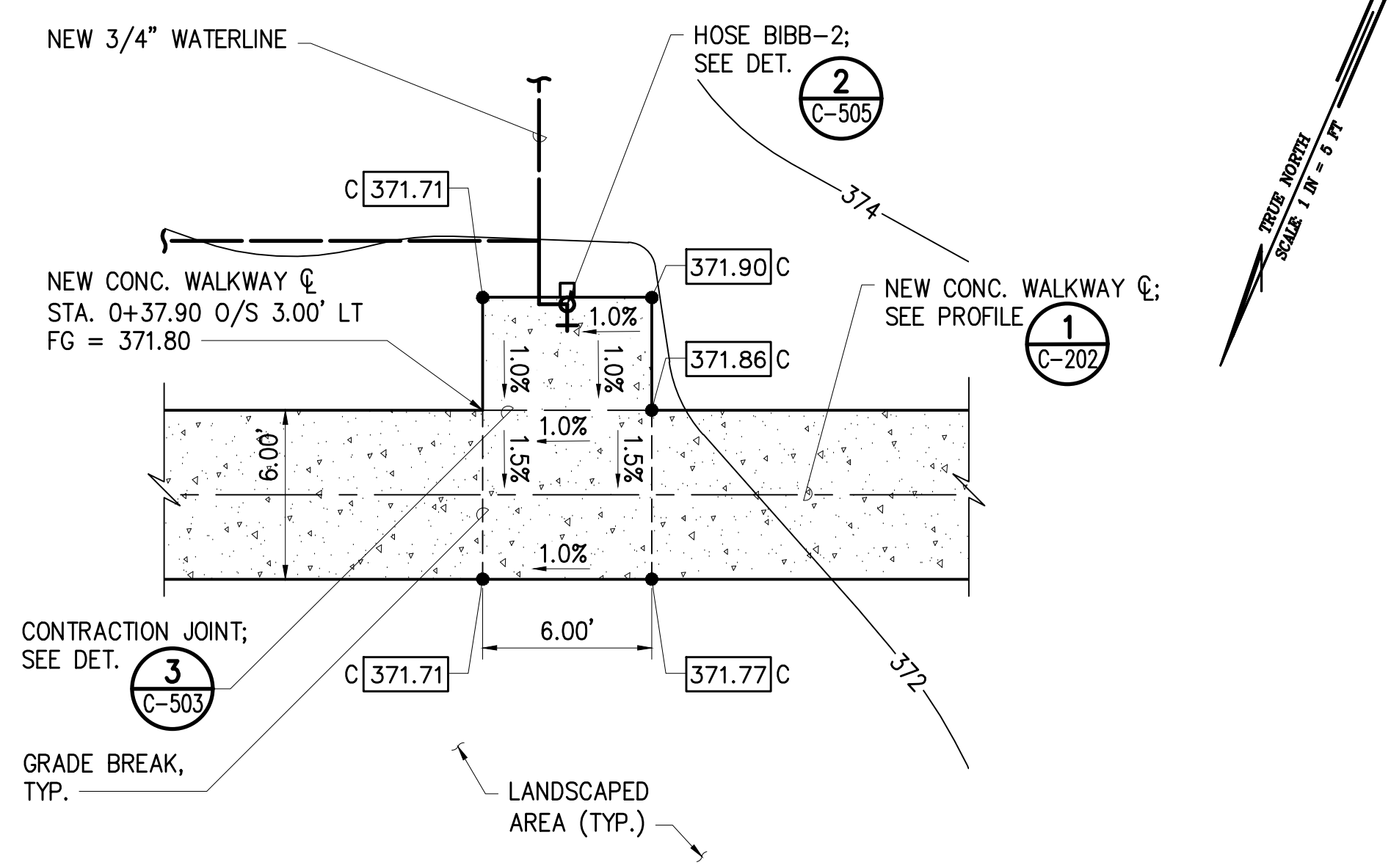
2 ADA ACCESSIBLE STALL DETAIL
C-502 SCALE: 1" = 5'

LEGEND:

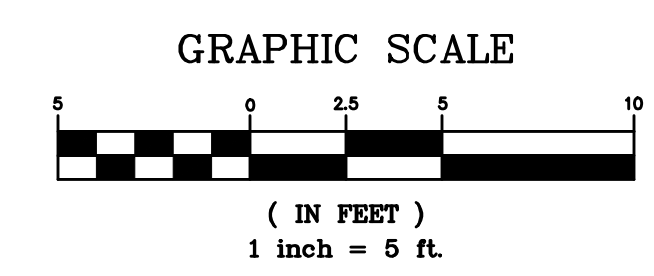
- LIMITS OF GRADING
- - - GRADE BREAK
- 370- PROPOSED MAJOR CONTOURS
- 376- PROPOSED MINOR CONTOURS
- - - PERFORATED DRAIN
- NEW A.C. PAVEMENT; SEE DET. 2 C-503
- NEW CONCRETE PAVEMENT; SEE DET. 1 C-503
- 377.00 C CONCRETE ELEVATION
- 377.00 P A.C. PAVEMENT ELEVATION



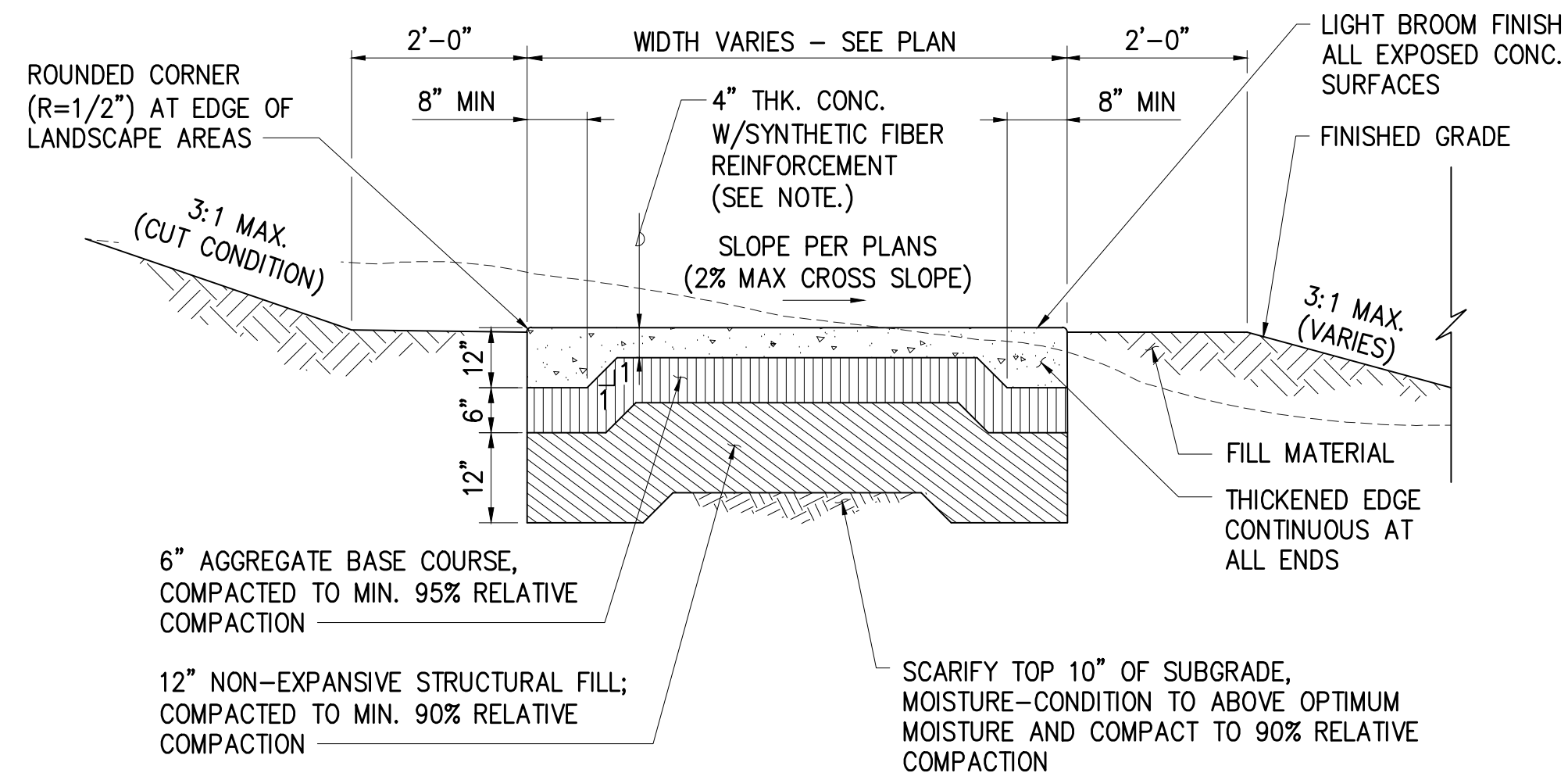
3 HOSE BIBB-1 DETAIL
C-502 SCALE: 1" = 5'



4 HOSE BIBB-2 DETAIL
C-502 SCALE: 1" = 5'



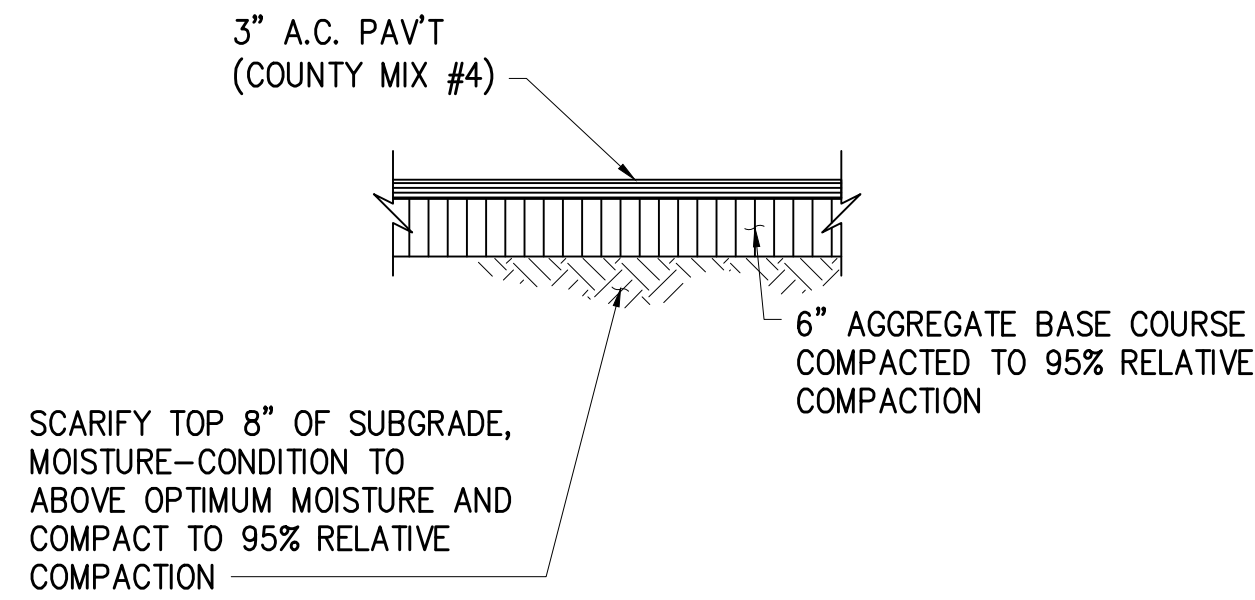
REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII SITE DETAILS - 2					
DESIGNED:	TLCG	SUBMITTED:	APRIL 2026		
DRAWN:	TLCG	DATE:	APRIL 2026		
CHECKED:	TLCG	SCALE:	1" = 5'		
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii	DRAWING NO.	C-502		
CHIEF ENGINEER					



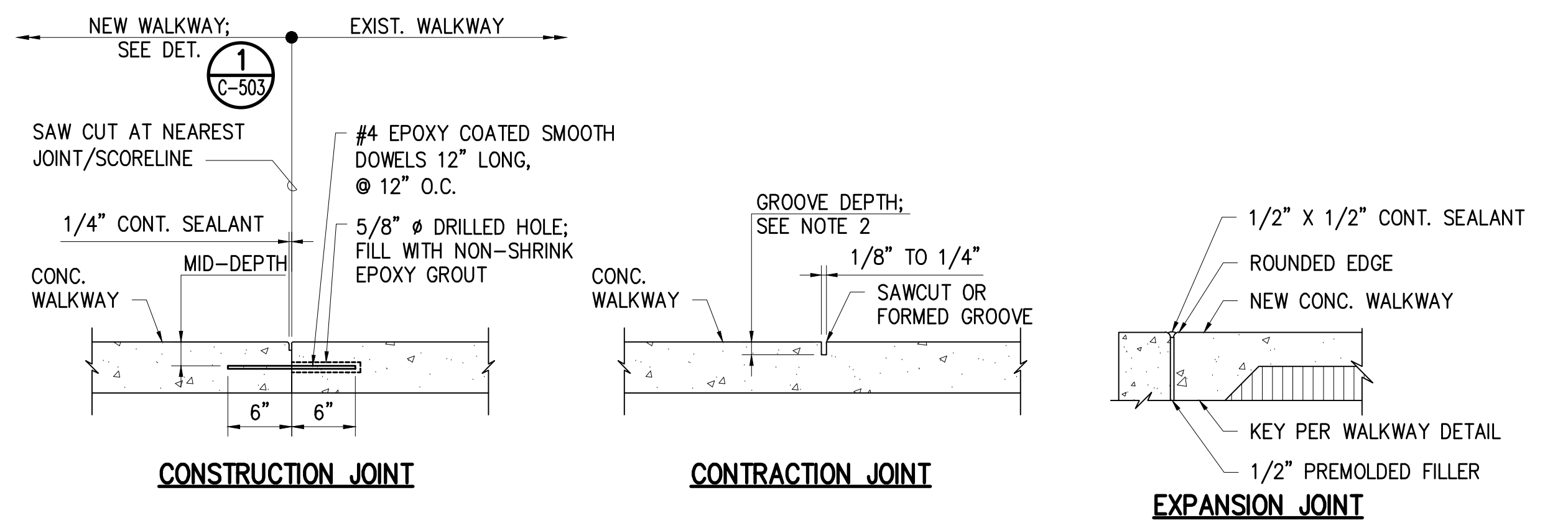
NOTES:

- CONCRETE SHALL BE FORTIFIED WITH SYNTHETIC FIBER REINFORCEMENT AS MANUFACTURED BY FORTA CORPORATION OR APPROVED SUBSTITUTE.
- CONTRACTOR SHALL SPACE WALKWAY TRANSVERSE JOINTS NO GREATER THAN THE WIDTH OF THE WALKWAY.

1 TYPICAL CONCRETE WALKWAY DETAIL
C-503 NTS



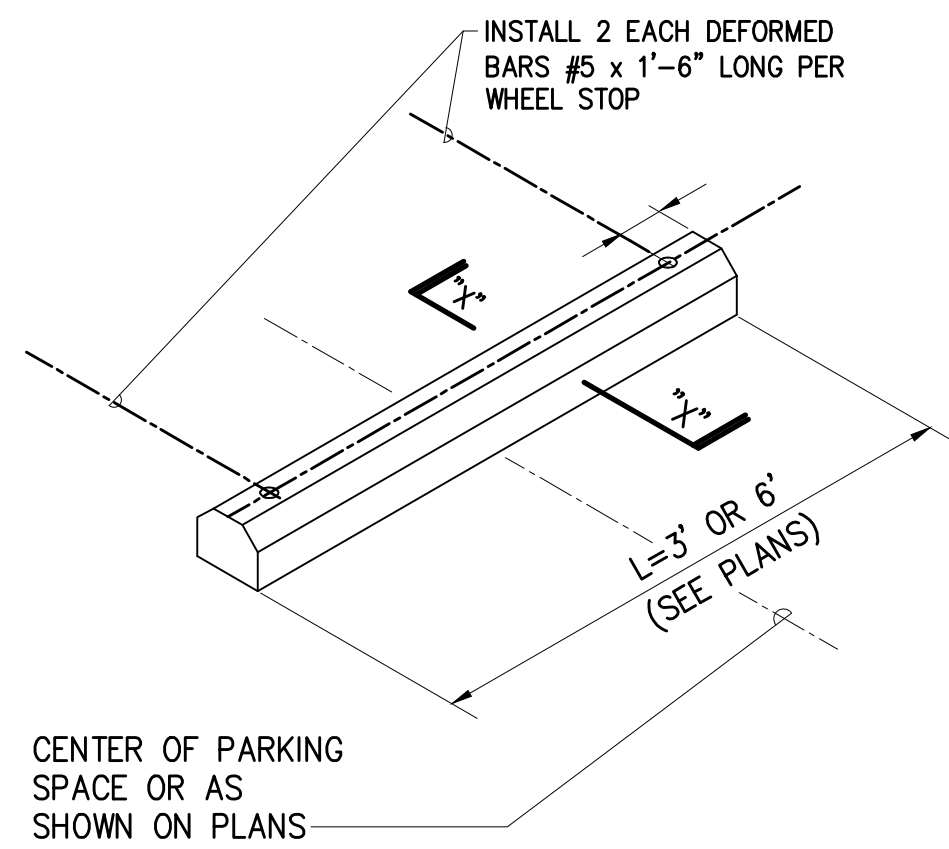
2 NEW A.C. PAVEMENT DETAIL
C-503 NTS



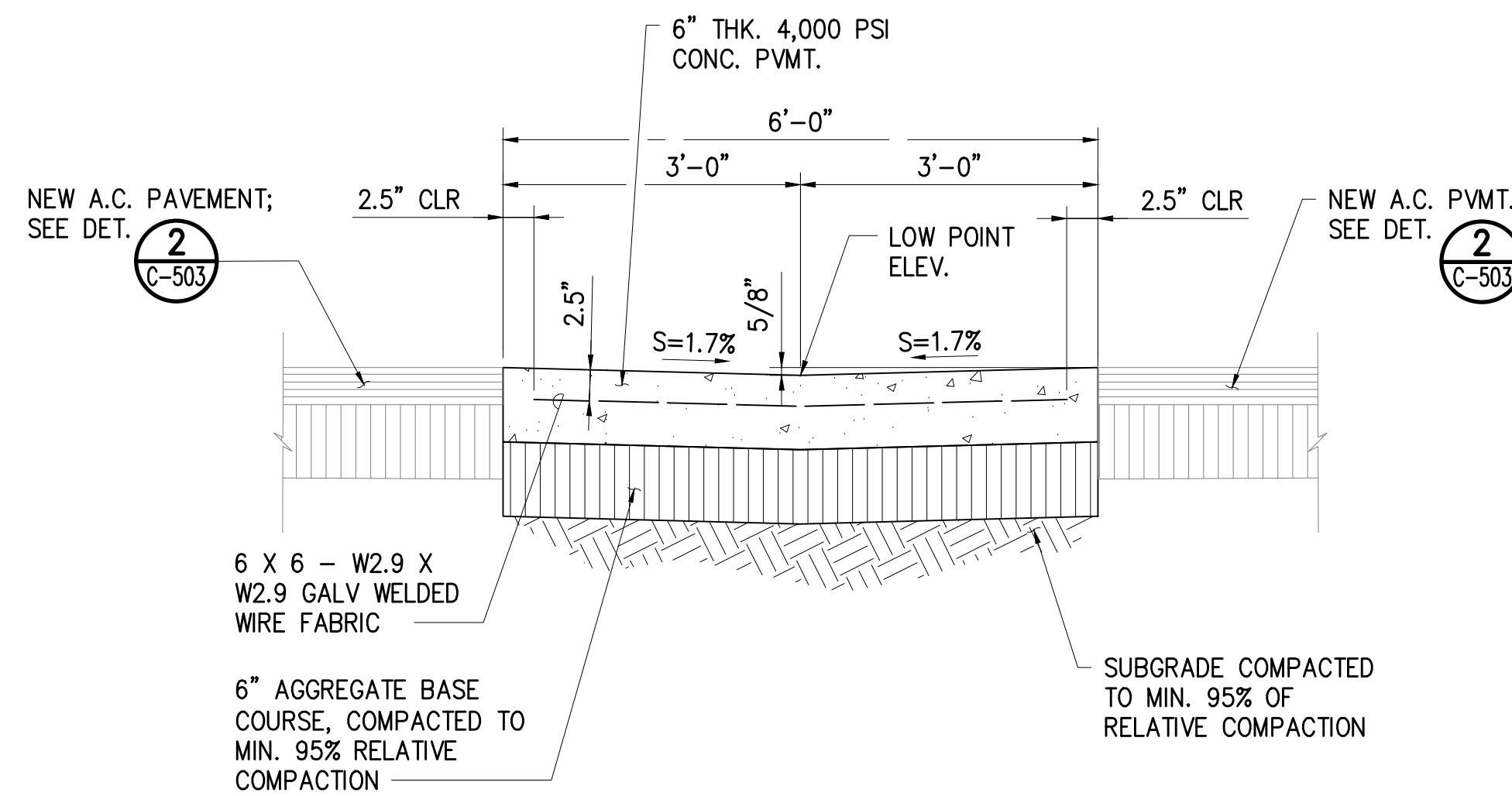
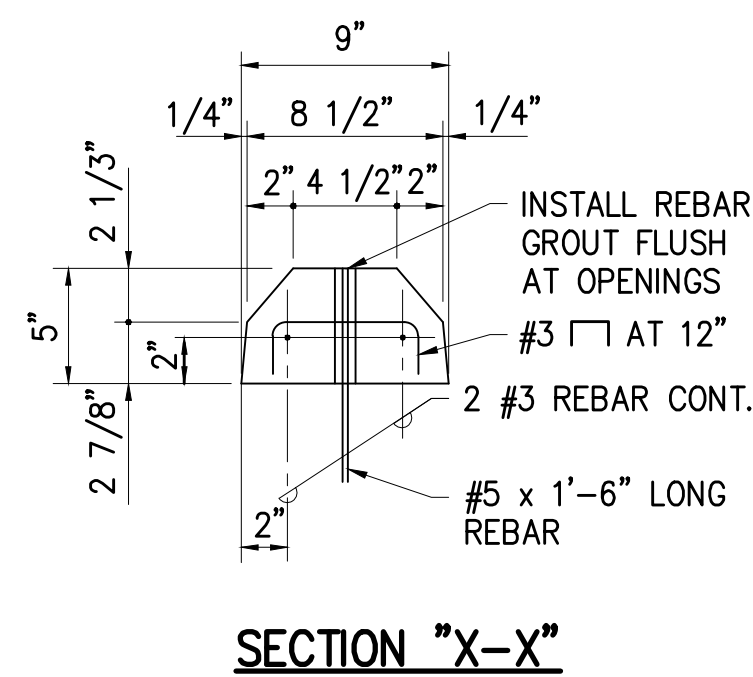
NOTES:

- FOR ALL CONCRETE WALKWAYS, CURBS AND SLABS:
 - SPACING OF CONTRACTION JOINTS IN EITHER DIRECTION: 5' MAX.
 - CONSTRUCTION JOINT AND CONTRACTION JOINT GROOVE DEPTH: 1"
 - EXPANSION JOINTS WHERE SHOWN ON PLANS. (OTHERWISE MAX. SPACING = 50')

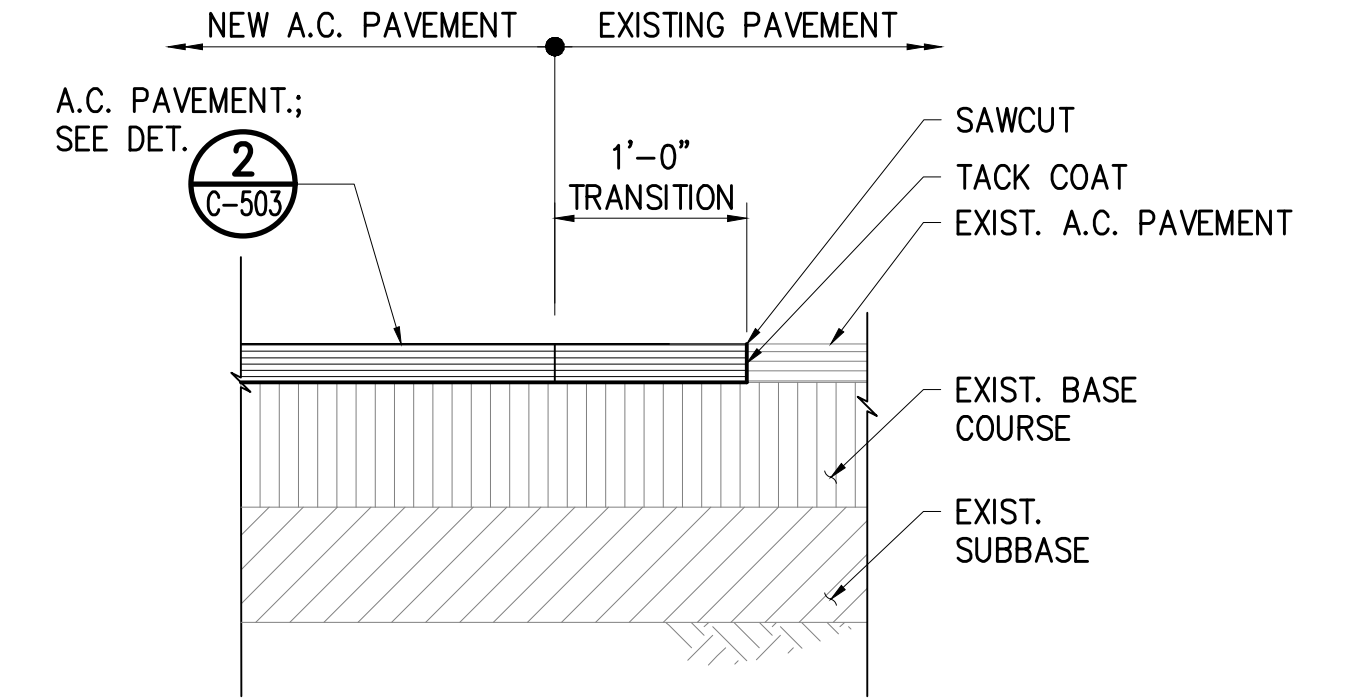
3 CONCRETE JOINT DETAILS
C-503 NTS



4 CONCRETE WHEEL STOP DETAIL
C-503 NTS



5 CONCRETE SWALE
C-503 NTS

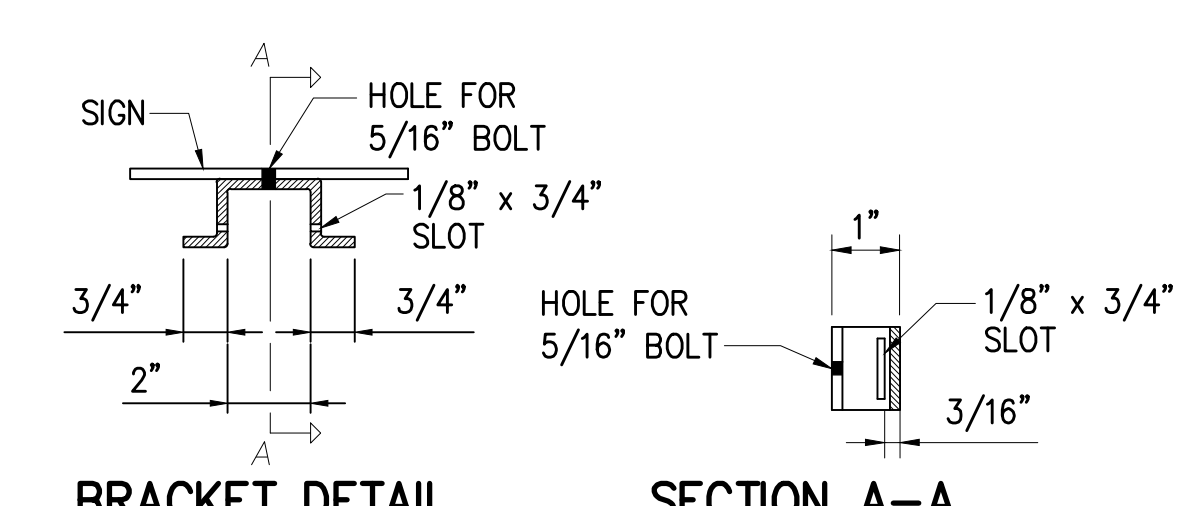
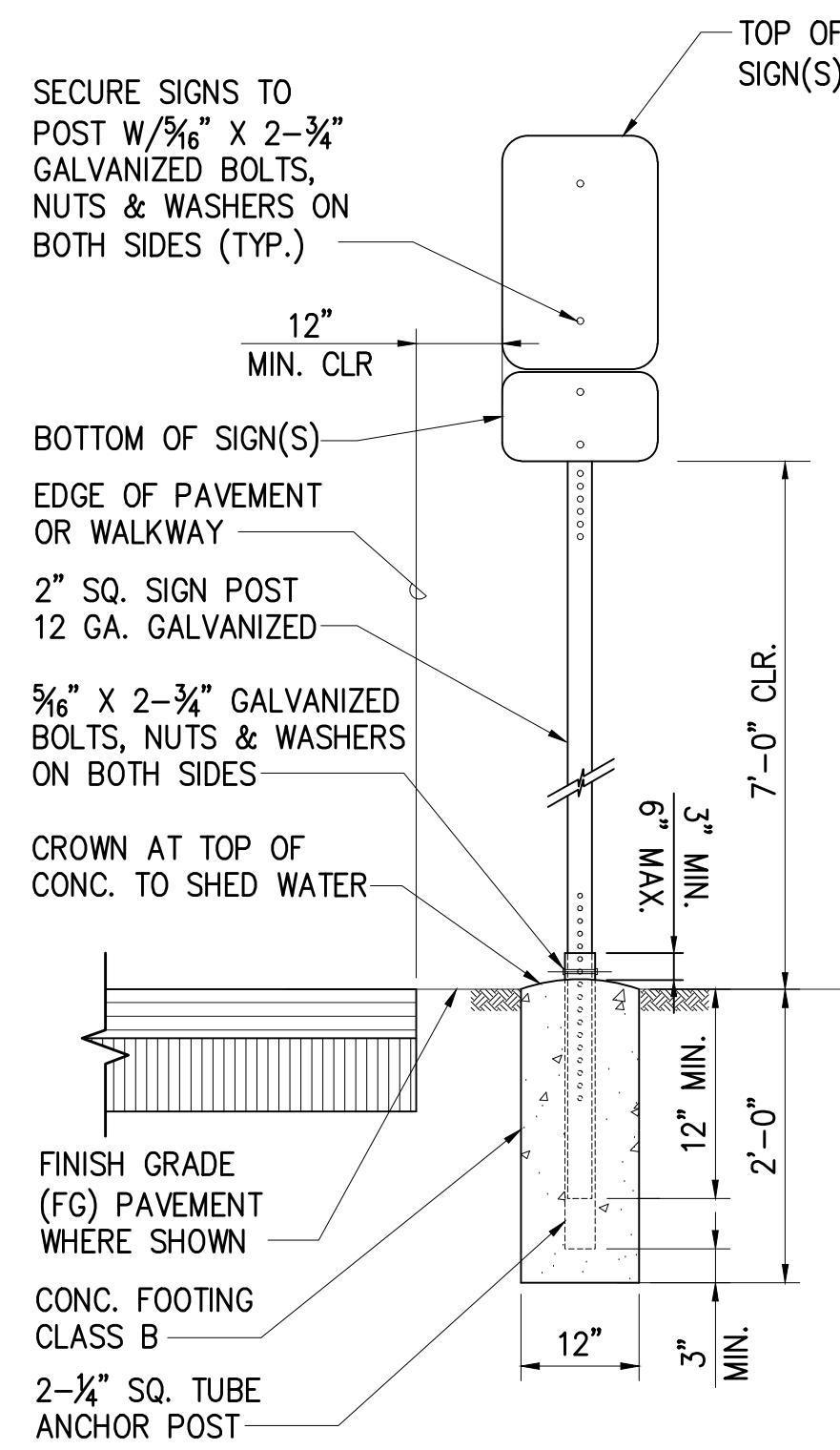


NOTES:

- PAVEMENT STRUCTURE SHALL BE RESTORED TO EQUAL OR BETTER THAN EXISTING IN THICKNESS AND QUALITY.

6 SMOOTH RIDING CONNECTION
C-503 NTS

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII CIVIL DETAILS - 1					
		DESIGNED: TLCG DRAWN: TLCG CHECKED: TLCG APPROVED: Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii Civil Engineer			
4/30/28 EXP. DATE 		SUBMITTED: APRIL 2026 DATE: APRIL 2026 SCALE: NONE		DRAWING NO. C-503	



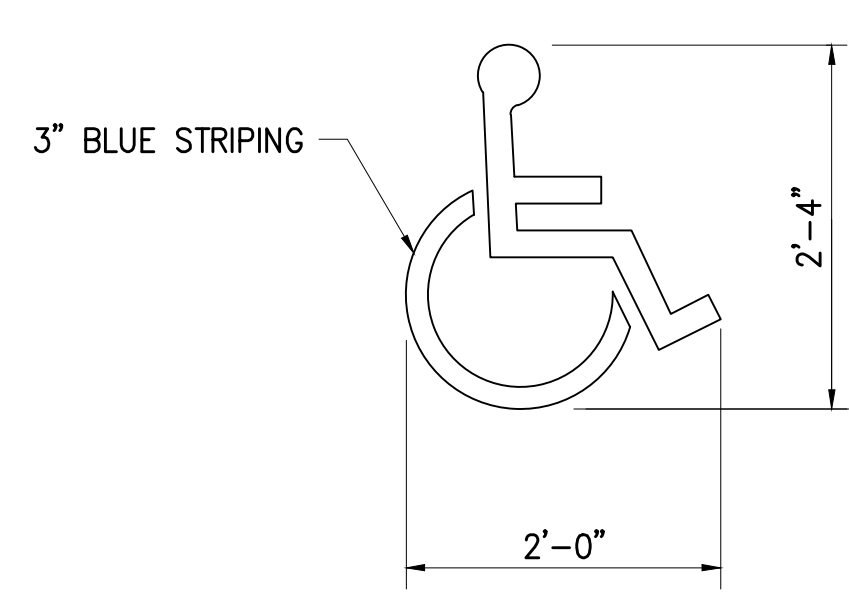
- SIGNAGE NOTES:**
- SIGNS SHALL BE ALUM T6061 SHEET COVERED W/ENGINEERING GRADE REFLECTIVE SHEETING.
 - SQUARE TUBING SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIA. HOLES AT 1" O.C. ON FOUR SIDES.
 - NEW SIGN POST SHALL BE ALIGNED W/CENTER OF DESIGNATED ADA PARKING STALL UNLESS OTHERWISE NOTED ON PLANS.
 - PARKING SIGNAGE SHALL COMPLY WITH HAWAII ADMINISTRATIVE RULES (HAR) §11-219.

1 SIGN AND POST DETAIL
C-504 NTS



- SIGN NOTES:**
- LETTERING SHALL BE RAISED 1/32" UPPERCASE SAN SERIF.
 - SIGNS WILL INCORPORATE GRADE 2 BRAILLE (RAISED DOTS) IMMEDIATELY BELOW TEXT.
 - THE BACKGROUND SHALL BE EGGSHELL MATTE, OR A NON-GLAZE FINISH. CHARACTERS SHALL BE BLACK. "NO" SYMBOL SHALL BE RED.

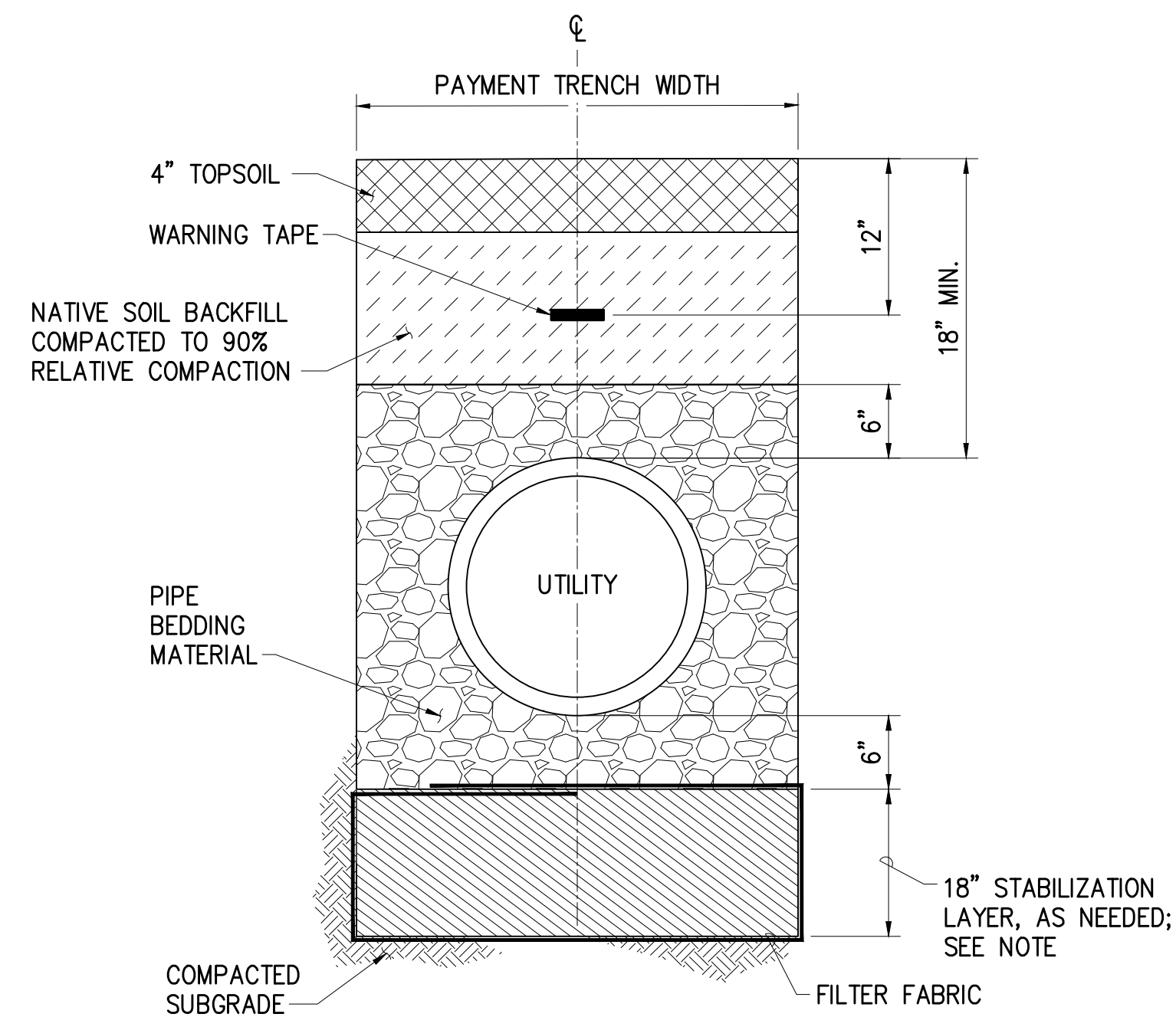
2 NON-POTABLE WATER SIGN DETAIL
C-504 NTS



- NOTES:**
- REFER TO 2004 MUTCD "STANDARD HIGHWAY SIGNS" FOR INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) PAVEMENT MARKING DETAILS.
 - ALL STRIPING SHALL BE THERMOPLASTIC.

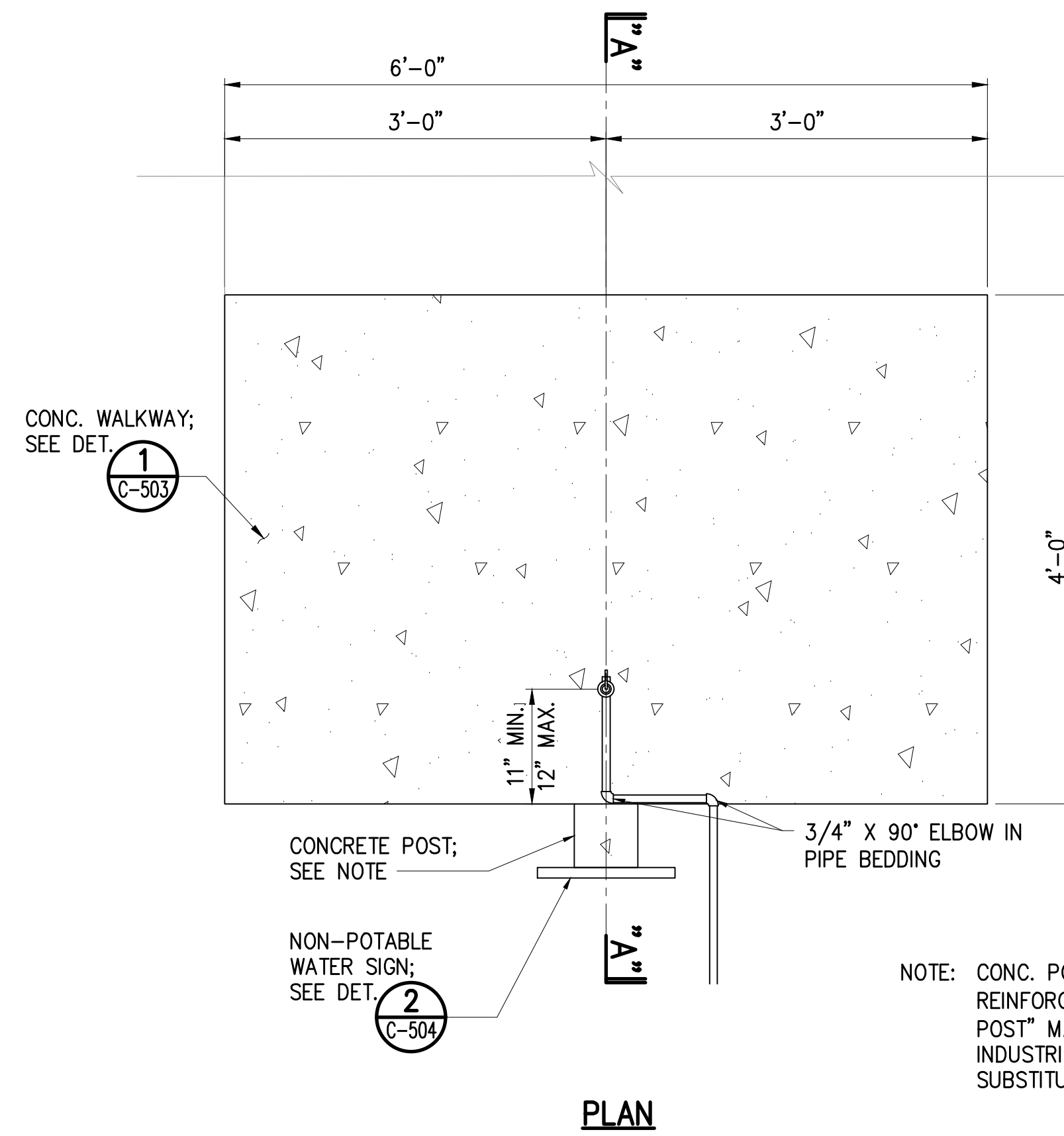
3 ISA PAVEMENT MARKING
C-504 NTS

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII CIVIL DETAILS - 2					
		DESIGNED: TLCG DRAWN: TLCG CHECKED: TLCG APPROVED: Dina Lau State of Hawaii Civil Engineer			
4/30/28 EXP. DATE 		SUBMITTED: APRIL 2026 DATE: APRIL 2026 SCALE: AS SHOWN		DRAWING NO. C-504	



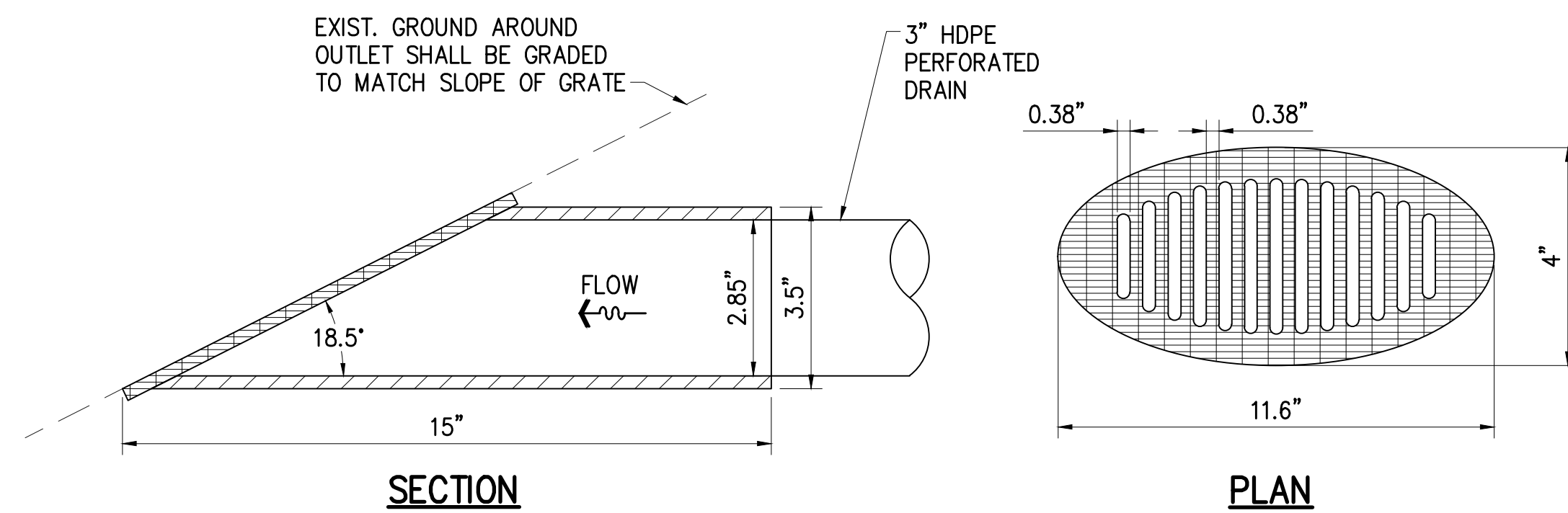
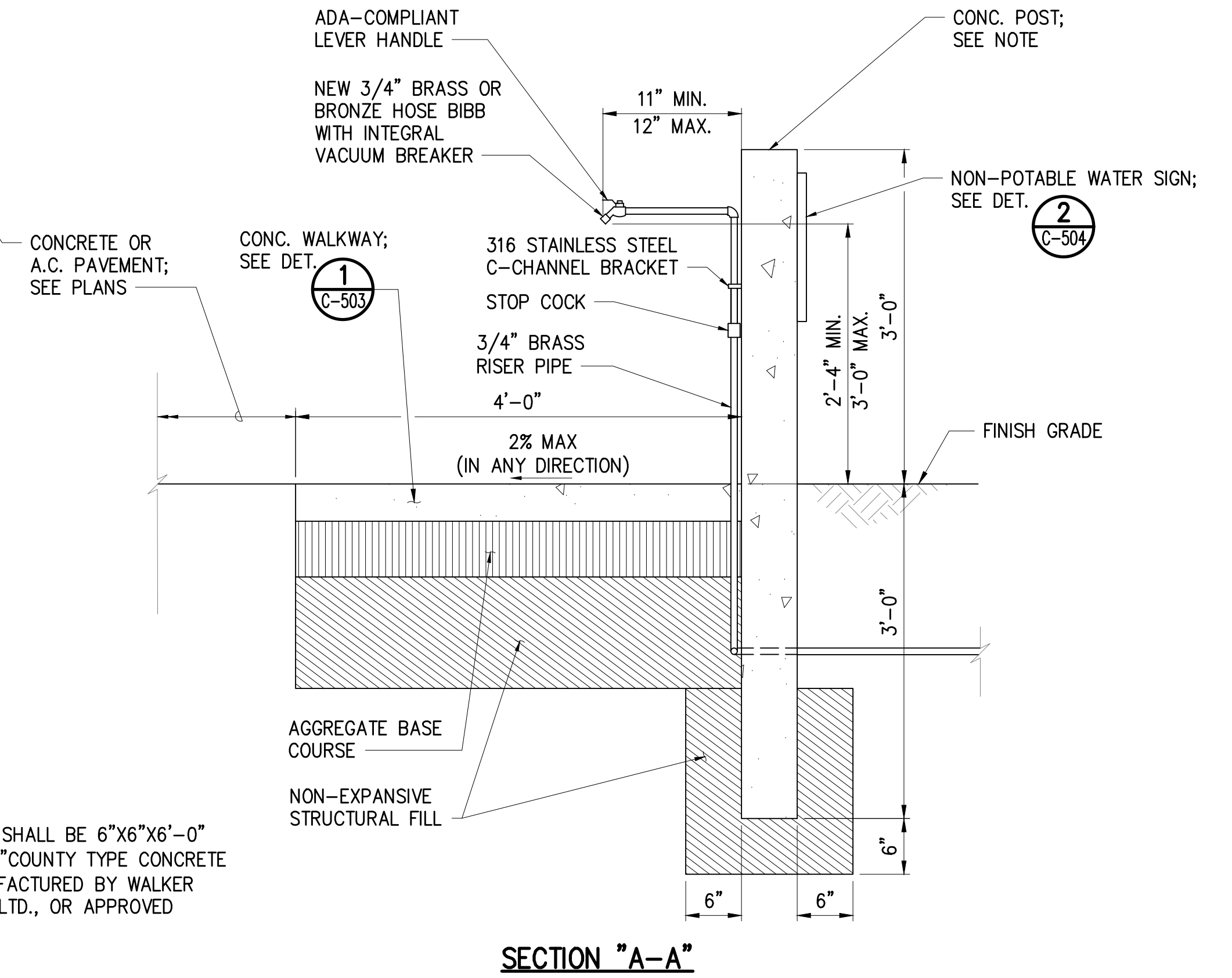
NOTE:
IF SOFT AND/OR LOOSE SOILS ARE ENCOUNTERED AT OR NEAR BOTTOM OF TRENCH, INSTALL STABILIZATION LAYER OF #3 FINE GRAVEL WRAPPED IN NON-WOVEN FILTER FABRIC (MIRAFI 180N OR APPROVED SUBSTITUTE). COMPACT TO 90% RELATIVE COMPACTION.

1 TYPICAL TRENCH DETAIL
C-505 NTS



NOTE: CONC. POST SHALL BE 6"x6"x6'-0" REINFORCED "COUNTY TYPE CONCRETE POST" MANUFACTURED BY WALKER INDUSTRIES, LTD., OR APPROVED SUBSTITUTE.

2 HOSE BIBB AND POST
C-505 NTS



NOTES:
1. MITERED DRAIN OUTLET SHALL BE MANUFACTURED BY DRAINAGE SOLUTIONS, INC. OR APPROVED SUBSTITUTE.
2. SEE ALSO ARCH. AND STRUC. DWGS. FOR ADDITIONAL INFORMATION.

3 PERFORATED DRAIN OUTLET
C-505 NTS

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII CIVIL DETAILS - 3					
DESIGNED: TLCG DRAWN: TLCG CHECKED: TLCG		SUBMITTED: APRIL 2026 DATE: APRIL 2026 SCALE: AS SHOWN		DRAWING NO. C-505	
APPROVED: <i>Dina Lau</i> CHIEF ENGINEER E-signed 2026-04-27 09:01PM HST dina.lau@hawaii.gov State of Hawaii Civil Engineer		EXP. DATE: 4/30/28 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.			

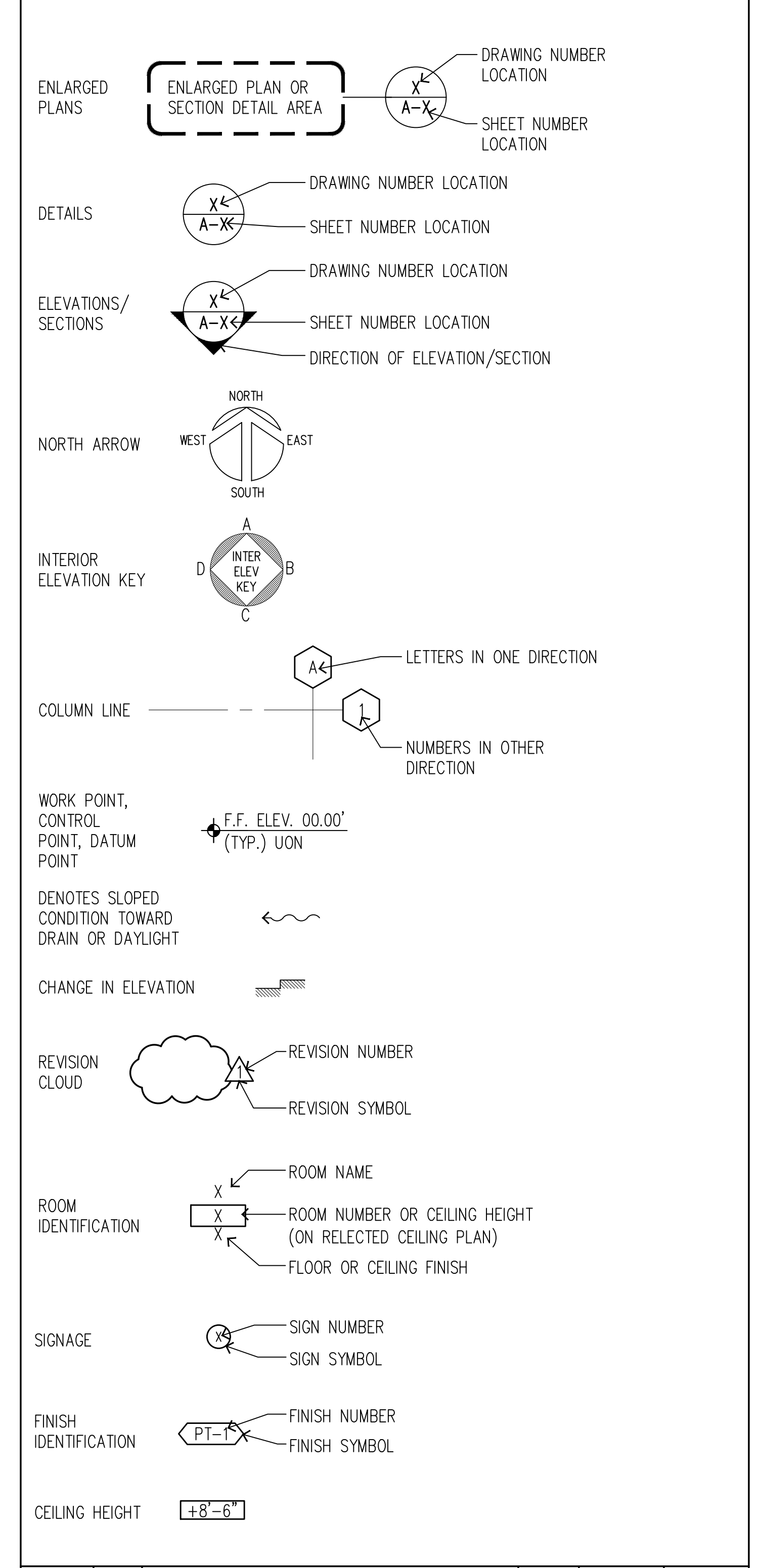
GENERAL NOTES

- ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
- COMPLY WITH ALL APPLICABLE COUNTY OF MAUI, STATE, AND FEDERAL LAWS, BUILDING CODES, THEIR ADDITIONS, ADDENDUMS, AND AMENDMENTS IN THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF CHAPTER 54, WATER QUALITY STANDARDS, AND CHAPTER 55, WATER POLLUTION CONTROL, OF TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.
- WORKMANSHIP SHALL CONFORM TO THE STATE BUILDING CODE. HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING WITH OTHER STANDARDS, THE MORE STRINGENT SHALL APPLY.
- VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE AWARE OF ALL EXISTING CONDITIONS INVOLVED IN THE WORK. NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR DEVIATIONS BETWEEN THE EXISTING DRAWINGS AND CONDITIONS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, ELEVATIONS, AND CLEARANCES.
- CAUTION SHALL BE EXERCISED SO THAT NO EXISTING AREAS TO REMAIN ARE DAMAGED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY/ALL CORRECTIVE WORK REQUIRED TO RESTORE DAMAGE TO THE SITE, EXISTING STRUCTURE, AND/OR EXISTING SURFACES. DAMAGED SURFACES SHALL BE CORRECTED TO MATCH EXISTING ADJACENT SURFACES.
- THE CONTRACTOR SHALL RESTORE TO THE ORIGINAL OR BETTER CONDITION ALL IMPROVEMENTS AND VEGETATION DAMAGED AS A RESULT OF THE CONSTRUCTION INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL, DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL.
- NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL, OR DEBRIS IN ANY FORM TO FALL, SLIDE, OR FLOW ONTO ADJOINING PROPERTIES, STREETS, OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE COSTS INCURRED FOR ANY REMEDIAL ACTION SHALL BE PAYABLE BY THE CONTRACTOR.
- ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION AND ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY ALL AGENCIES TO VERIFY THE ACTUAL LOCATION OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE UTILITY AGENCIES.
- EXCEPT WHERE OTHERWISE DIRECTED BY THE OWNER, ALL DISPLACED MATERIALS HAVING SALVAGE VALUE SHALL BE CAREFULLY AND NEATLY STACKED OR STORED ON THE PREMISES WHERE DIRECTED BY THE OWNER AND SHALL REMAIN THE PROPERTY OF THE OWNER. ALL DISMANTLED AND DEMOLISHED MATERIALS HAVING NO SALVAGE VALUE AS DETERMINED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED AND HAULED AWAY FROM THE PREMISES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE JOB SITE IN A NEAT AND SAFE CONDITION. ALL WORK SHALL BE PERFORMED WITHIN LIMITS OF WORK AREAS COORDINATED WITH THE ENGINEER. DELIVERY OF MATERIALS AND EQUIPMENT SHALL BE COORDINATED TO MINIMIZE DISRUPTION OF FACILITY OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF NOISE, DEBRIS AND DUST TO PREVENT DISRUPTION OF FACILITY OPERATIONS. CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE BARRIERS AS REQUIRED TO PREVENT PUBLIC ENTRY, AND TO PROTECT THE WORK AND ADJACENT BUILDINGS, AREAS, AND PROPERTIES FROM CONSTRUCTION ACTIVITIES. BARRIERS SHALL BE REMOVED WHEN NO LONGER REQUIRED.
- THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS.
- THE JOB SITE MUST BE LEFT IN A SAFE, SECURE CONDITION AT THE END OF EACH CONSTRUCTION WORK DAY. CLEAN UP AND REMOVE FROM THE JOB SITE ALL RUBBISH AND MAINTAIN THE PREMISES IN A CLEAN, ORDERLY CONDITION AT ALL TIMES.
- UPON COMPLETION OF CONSTRUCTION THE ENTIRE JOB SITE SHALL BE CLEANED OF ALL RUBBISH AND DEBRIS.
- AREAS FOR CONTRACT ZONE LIMITS, MATERIALS STORAGE, SCHEDULING OF WORK, TRASH DISPOSAL, WORKMEN'S PARKING, ETC., SHALL BE COORDINATED WITH THE ENGINEER. COORDINATE ALL WORK, SCHEDULING, STAGING, AND ADMINISTRATIVE REQUIREMENTS WITH THE ENGINEER.
- ALL WORK SHALL CONFORM WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
- ALL REQUIRED SUBMITTALS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF THE WORK. THE ENGINEER SHALL BE GIVEN SUFFICIENT TIME TO REVIEW AND RETURN SUBMITTALS SO AS NOT TO IMPACT THE CONSTRUCTION SCHEDULE.
- NO BLASTING SHALL BE ALLOWED ON THIS PROJECT.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS FROM APPROPRIATE GOVERNMENT AGENCIES.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR UTILITY USAGE WITH THE OWNER, SUCH AS ELECTRICITY, WATER, ETC REQUIRED FOR CONSTRUCTION OPERATIONS.
- UNLESS OTHERWISE NOTED, PAINT ALL EXPOSED CMU, CONC, WD, GYP BD, WALL PANELING, SIDING TRIMS & OTHER SURFACES, BOTH INTERIOR & EXTERIOR.
- THIS PROJECT SHALL COMPLY W/ THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
- CONCRETE WALKWAYS & SLABS ON GRADE SHALL NOT EXCEED THE FOLLOWING SLOPES:
 - IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
 - CROSS SLOPE OF 1:48

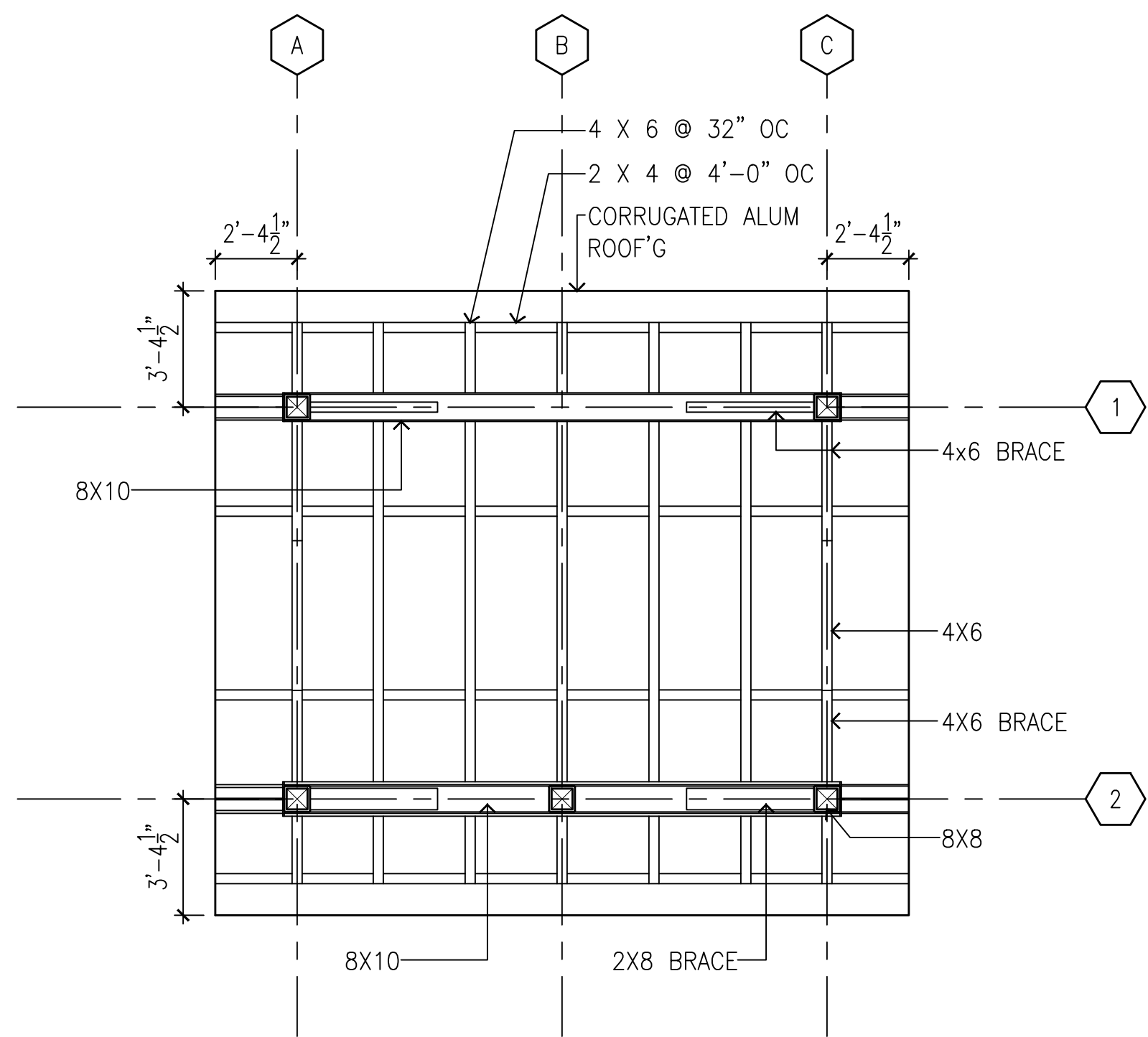
ABBREVIATIONS

ABV	ABOVE	FF	FINISH FLOOR	OVS	OVERFLOW SCUPPER	UR	URINAL
AC	ASPHALT CONCRETE	FFE	FURNITURE, FIXTURE & EQUIPMENT	PJ	PANEL JOINT	VCT	VINYL COMPOSITION TILE
A/C	AIR CONDITIONING	FG	FINISH GRADE	PL	PLATE	VENT	VENTILATION
AD	AIR DRAIN	FP	FIRE PROTECTION	PLAM	PLASTIC LAMINATE	VERT	VERTICAL
ADJ	ADJUSTABLE	FIN	FINISH FLOOR	PLAS	PLASTER	VEST	VESTIBULE
AED	AUTOMATED EXTERNAL DEFIBRILLATOR	FL	FLEXIBLE FLASHING	PLBG	PLUMBING	VIR	VENT TO ROOF
AF	ACCESS FLOOR	FLEX	FLOORING	PNL	PANEL	W	WEST
AFF	ABOVE FINISHED FLOOR	FLRG	FLOOR STOP	PNT	PAINT	W/	WITH
AFG	ABOVE FINISH GRADE	FLST	FACE OF STUD	POC	POINT OF CONNECTION	W/O	WITHOUT
AHU	AIR HANDING UNIT	FOS	FACE OF WALL	POL	POLISHED	WC	WATER CLOSET
ALT	ALTERNATE	FR	FIREPROOF	PR	PAIR	WD	WOOD
ALUM	ALUMINUM	FPRF	FRAME	PREP	PREPARE	WDW	WINDOW
AMP	AMPLITUDE	FR	FIBERGLASS REINFORCED PLASTIC	PREFAB	PREFABRICATED	WNCT	WAINSCOT
AN	ANODIZED	FT	FOOT/FEET	PROJ	PROJECTED	WM	WATER METER
AP	ACCESS PANEL	FTG	FOOTING	PT	POINT	WO	WHERE OCCURS
APRX	APPROXIMATE	GALV	GALVANIZED	PTD	PAPER TOWEL DISPENSER	WP	WATERPROOF
ARCH	ARCHITECT(URAL)	GB	GRAB BAR	PTN	PARTITION	WPG	WATERPROOFING
ASPH	ASPHALT	GEN	GENERAL GLASS	PVMT	PAVEMENT	WV	WOOD VENEER
ASSY	ASSEMBLY	GL	GLASS	QTY	QUANTITY	WS	WOOD STUDS
BCS	BABY CHANGING STATION	GPR	GROUND PENETRATING RADAR	R	RISER	YD	YARD
BD	BOARD	GR	GRADE	RAD	RADIUS		
BFP	BACKFLOW PREVENTER	GS	GRANDSTAND	RCP	REFLECTED CEILING PLAN		
BKS	BACKSPASH	GUT	GUTTER	RD	ROOF DRAIN		
BL	BUILDING LINE	GYP	GYP SUM	RDL	ROOF DRAIN LEADER		
BLDG	BUILDING	HB	HOSE BIB	REC	RECESSED		
BLW	BELOW	HC	HANDICAPPED	RECT	RECTANGULAR		
BM	BEAM	HD	HEAD	REIN	REINFORCING		
BOC	BOTTOM OF CONCRETE/CURB	HDW	HARDWARE	REMV	REMOVABLE		
BOTT	BOTTOM	HDWD	HARDWOOD	REQ'D	REQUIRED		
BRG	BEARING	HMG	HANDHOLE GROUP	REQMT(S)	REQUIREMENT(S)		
BTW	BETWEEN	HM	HOLLOW METAL	RES	RESISTANT		
BVL	BEVELED	HNDRL	HANDRAIL	RET	RETAINING		
BYD	BEYOND	HOH	HOLD OPEN HARDWARE	REV	REVISION/REVISED		
CAB	CABINET	HORIZ	HORIZONTAL	RFRG	REFRIGERATOR		
CER	CERAMIC	HP	HIGH POINT	RM	ROOM		
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	HR	HOUR	RO	ROUGH OPENING		
CHH	COMMUNICATION HANDHOLE	HGT	HEIGHT	ROD	ROOF OVERFLOW DRAIN		
CL	CENTER LINE	IN	INCHES	ROOF'G	ROOFING		
CLG	CEILING	INSUL	INSULATION	RT	RIGHT		
CLR	CLEAR	INT	INTERIOR	S	SOUTH		
CJ	CONTROL/CONSTRUCTION JOINT	JAN	JANITOR	SACP	SUSPENDED ACOUSTIC CEILING PANEL		
CMH	COMMUNICATION MANHOLE	JC	JANITOR CLOSET	SC	SOLID CORE		
CMU	CONCRETE MASONRY UNIT	JT	JOINT	SCJ	SAWCUT JOINT		
CO	CLEAN OUT	L	LEFT	SCD	SEAT COVER DISPENSER		
COL	COLUMN	LAM	LAMINATE(D)	SCHED	SCHEDULE		
CONC	CONCRETE	LAV	LAVATORY	SCWD	SOLID CORE WOOD DOOR		
CONX	CONNECTION	LDC	LANDING	SCT	SEALED CONCRETE TOPPING		
CONST	CONSTRUCTION	LDG	LONGITUDINAL	SD	SOAP DISPENSER		
CORR	CORRIDOR	LONG	LONGITUDINAL	SECT	SECTION		
CORR	CORRIDOR	LP	LOW POINT	SF	SQUARE FOOT		
COUNS	COUNSELOR	LP	LOW POINT	SH	SHelf/SHelVES		
CPS	CEMENTITIOUS PANEL SIDING	LPB	LIGHT POLE BASE	SHT	SHEET		
CPT	CARPET	LT	LIGHT	SHWR	SHOWER		
CRM	CONCRETE ROCK MASONRY	LTG	LIGHTING	SIM	SIMILAR		
CSWK	CASEWORK	LVR	LOUVER	SLNT	SEALANT		
CT	CERAMIC TILE	LVT	LUXURY VINYL TILE	SL	SLOPE OR SLOPED		
CTB	CEMENTITIOUS TRIM OR BATTEN	MAT	MATERIAL	SMH	SEWER MANHOLE		
CTR	CENTER	MAX	MAXIMUM	SOG	SLAB ON GRADE		
CTSK	COUNTERSINK	MC	MINERAL CORE	SO	SQUARE		
CVR	COVER	MECH	MECHANICAL	SST	STAINLESS STEEL		
DBL	DOUBLE	MEMB	MEMBRANE	STAG	STAGGERED		
DEMO	DEMOLITION	MET	METAL	STD	STANDARD		
DF	DRINKING FOUNTAIN	MET RLG	METAL RAILING	STL	STEEL		
DIAG	DIAGONAL	MEZZ	MEZZANINE	STOR	STORAGE		
DIM	DIMENSION	MFR	MANUFACTURER	STRUCT	STRUCTURAL		
DISP	DISPENSER	MGR	MANAGER	SUSP	SUSPENDED		
DIV	DIVISION	MH	MOUNTING HEIGHT	SYN	SYNTHETIC		
DMG	DAMAGE	MIN	MINIMUM	SYS	SYSTEM		
DN	DOWN	MIRR	MIRROR, MIRRORED	T	TREAD		
DR	DOOR	MISC	MISCELLANEOUS	T&B	TOP AND BOTTOM		
DR	DOWN	MILDG	MOULDING	TBS	TO BE SELECTED		
DS	DOWNSPOUT	MM	MILIMETER	TD	TAMPON DISTRIBUTOR		
DTL	DETAIL	MNT	MOUNT/MOUNTED	TEMP	TEMPERED		
DRWG	DRAWING	MO	MASONRY OPENING	TELCOM	TELECOMMUNICATIONS		
DRWGS	DRAWINGS	MS	METAL STUD	TEX	TEXTURE		
E	EAST	MR	METAL RAILING	TGLJ	TO GRID LINE INTERSECTION		
(E)	EXISTING	MTG	MEETING	THK	THICK		
EA	EACH	MET	METAL	THRESH	THRESHOLD		
ECO	EXISTING CLEAN OUT	MULL	MULLION	TB	TACKBOARD		
EF	EXHAUST FAN	N	NORTH	TLT	TOILET		
EG	EXISTING GRADE	N/A	NOT APPLICABLE	TOC	TOP OF CONCRETE/CURB		
EGS	EXPOSED GRID SYSTEM	N/R	NON-RATED	TOE	TOP OF EAVE		
EHH	ELECTRICAL HANDHOLE	NC	NO CHANGE	TOF	TOP OF FLOOR		
EHOH	EXISTING HOLD OPEN HARDWARE	NIC	NOT IN CONTRACT	TOM	TOP OF MASONRY		
EJ	EXPANSION JOINT	NO	NUMBER	TOS	TOP OF SLAB		
ELEC	ELECTRICAL	NOM	NOMINAL	TOW	TOP OF WALL		
ELEV	ELEVATION	NTS	NOT TO SCALE	TP	TOILET PARTITION		
ENCL	ENCLOSURE	OA	OVERALL	TPD	TOILET PAPER DISPENSER		
EQ	EQUAL	OC	ON CENTER	TPG	TOILET PAPER HOLDER		
EQPM	EQUIPMENT	OD	OUTSIDE DIAMETER	TR	TRASH RECEPTACLE		
EWC	ELECTRIC WATER COOLER	OD	OVERFLOW DRAIN	TRTD	TREATED		
EXH	EXHAUST	OF	OWNER FURNISHED CONTRACTOR	TS	TUBE STEEL OR THIN SET		
EXP	EXPOSED	OFI	OWNER FURNISHED OWNER INSTALLED	TWF	THROUGH-WALL FLASHING		
EXPS	EXPANSION	OH	OVERHEAD	TYP	TYPICAL		
EXST	EXISTING	OPH	OPPOSITE HAND	T-STAT	THERMOSTAT		
EXT	EXTERIOR	OPNG	OPENING	UC	UNDER COUNTER		
F	FIRE ALARM PULL STATION	OPP	OPPOSITE	UGND	UNDERGROUND		
FA	FIRE ALARM STROBE/SPEAKER	OTLN	OUTLINE	UNEX	UNEXCAVATED		
FACP	FIRE ALARM CONTROL PANEL	OVHG	OVERHANG	UNFIN	UNFINISHED		
FCO	FLOOR CLEAN OUT			UNLESS OTHERWISE NOTED			
FD	FLOOR DRAIN						
FDN	FOUNDATION						
FE	FIRE EXTINGUISHER						
FEC	FIRE EXTINGUISHER CABINET						

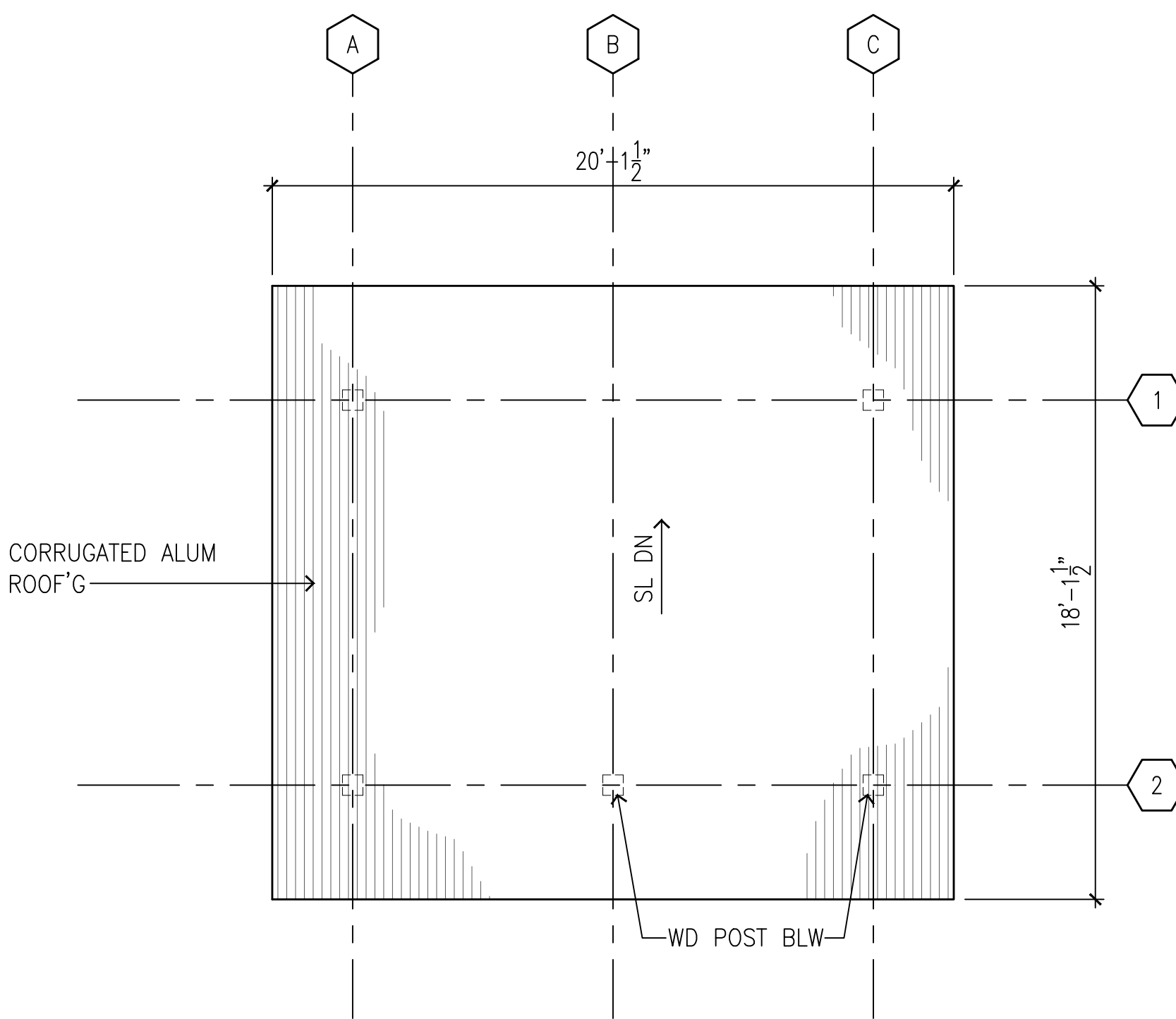
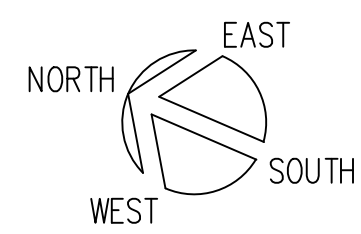
DRAWING SYMBOLS



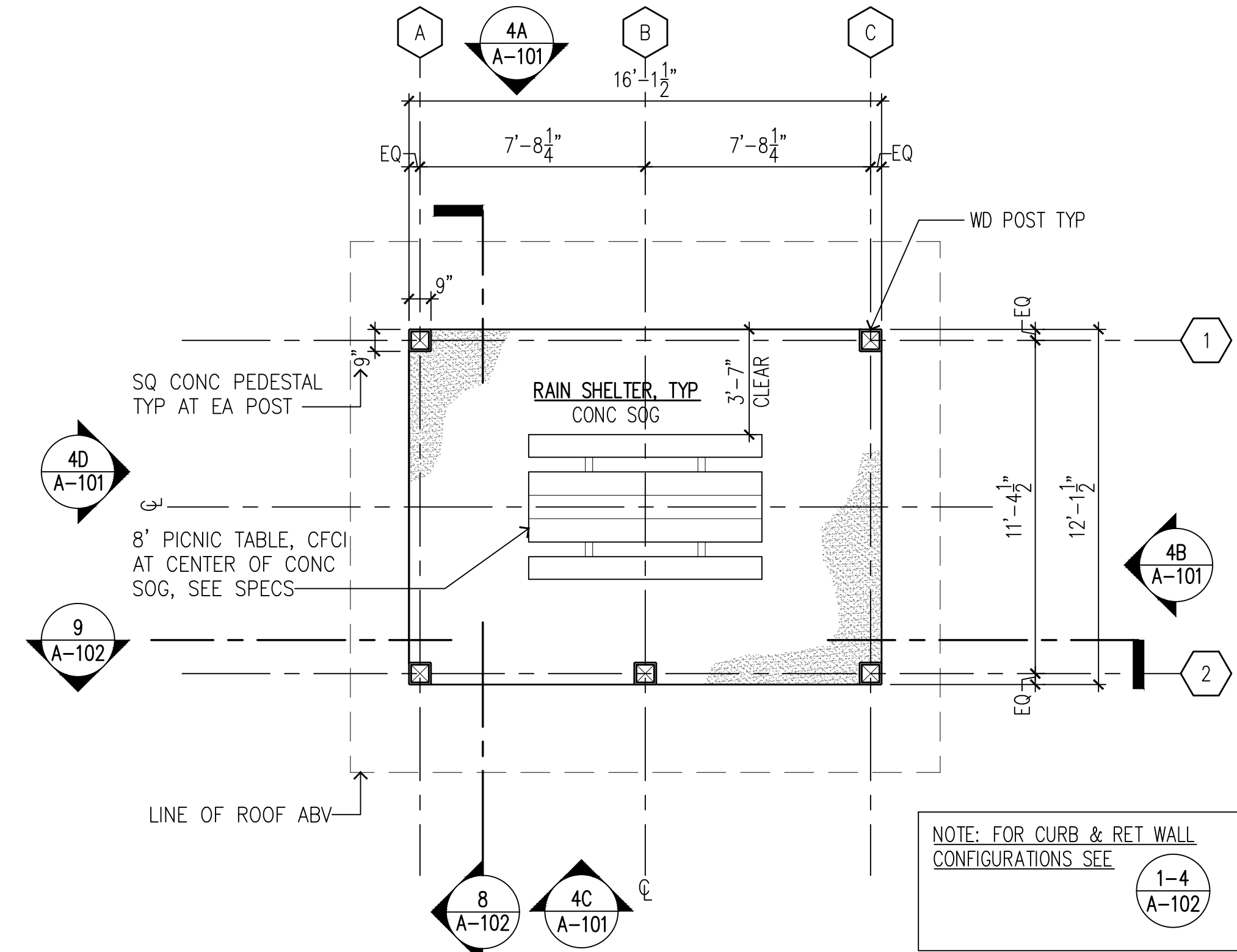
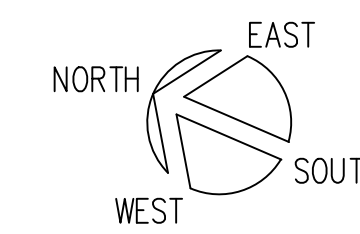
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII					
GENERAL NOTES, ABBREVIATIONS, & DRAWING SYMBOLS					
DESIGNED:	MJ	SUBMITTED:	FEB 2026		
DRAWN:	MJ	DATE:	FEB 2026		
CHECKED:	FE	SCALE:	N/A		
APPROVED:	Dina Lau	E-signed 2026-04-27 09:01PM HST		DRAWING NO.	
CHIEF ENGINEER	dina.u.lau@hawaii.gov	State of Hawaii		A-000	



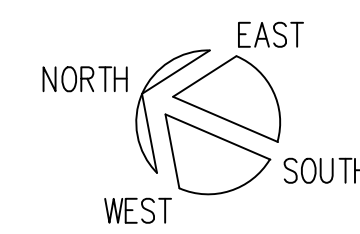
3 REFLECTED CEILING PLAN
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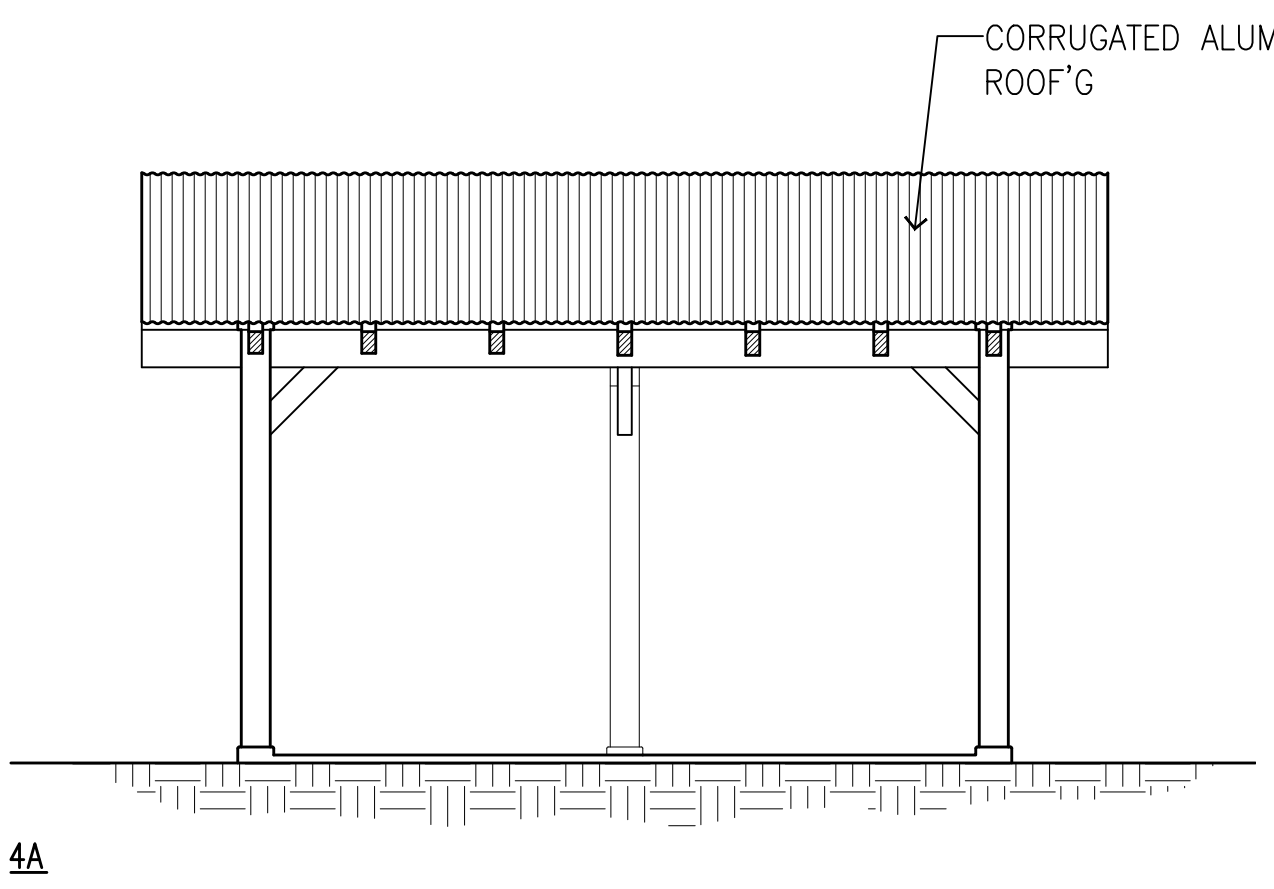
2 ROOF PLAN
SCALE: 1/4" = 1'-0"



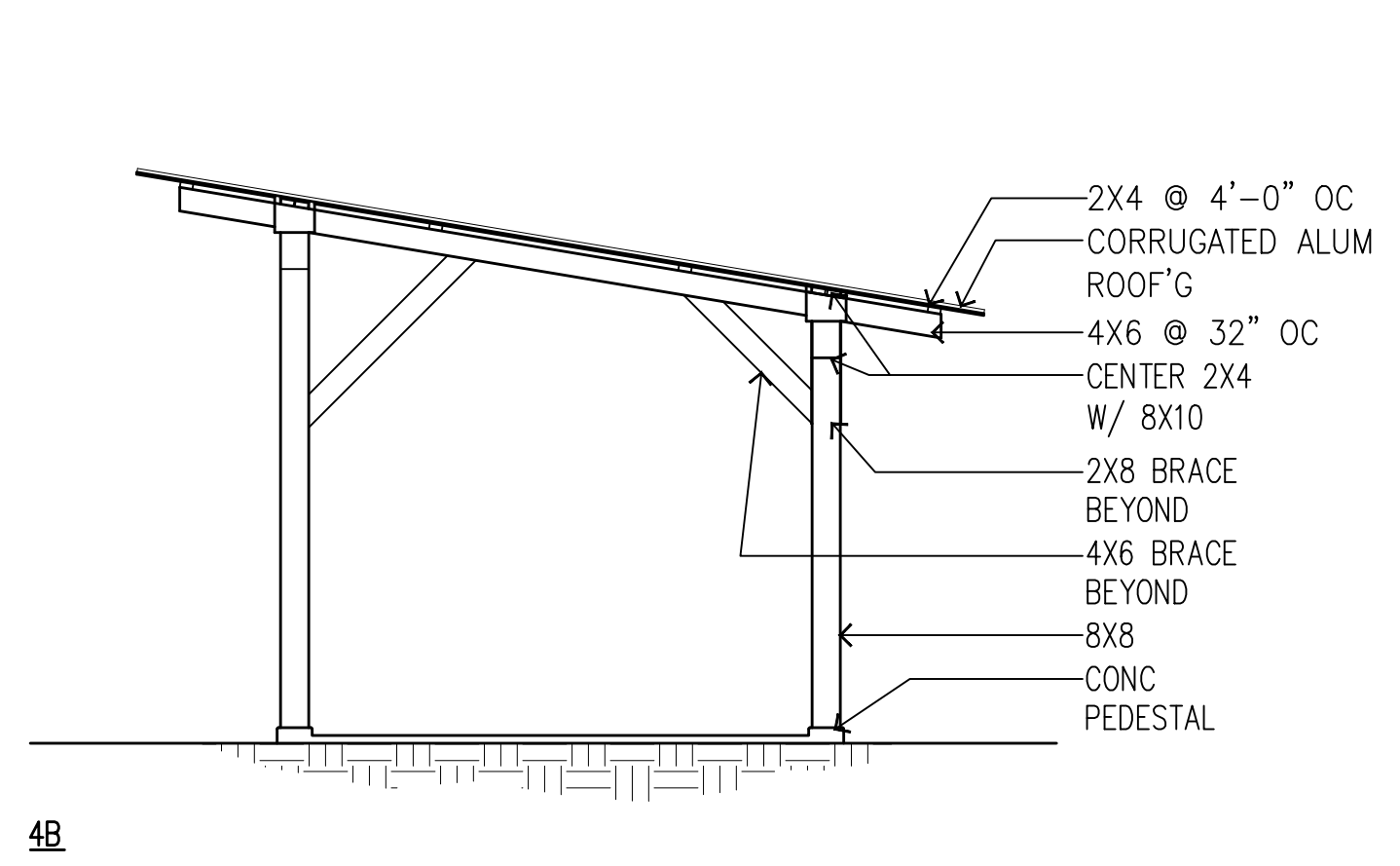
1 FLOOR PLAN
SCALE: 1/4" = 1'-0"



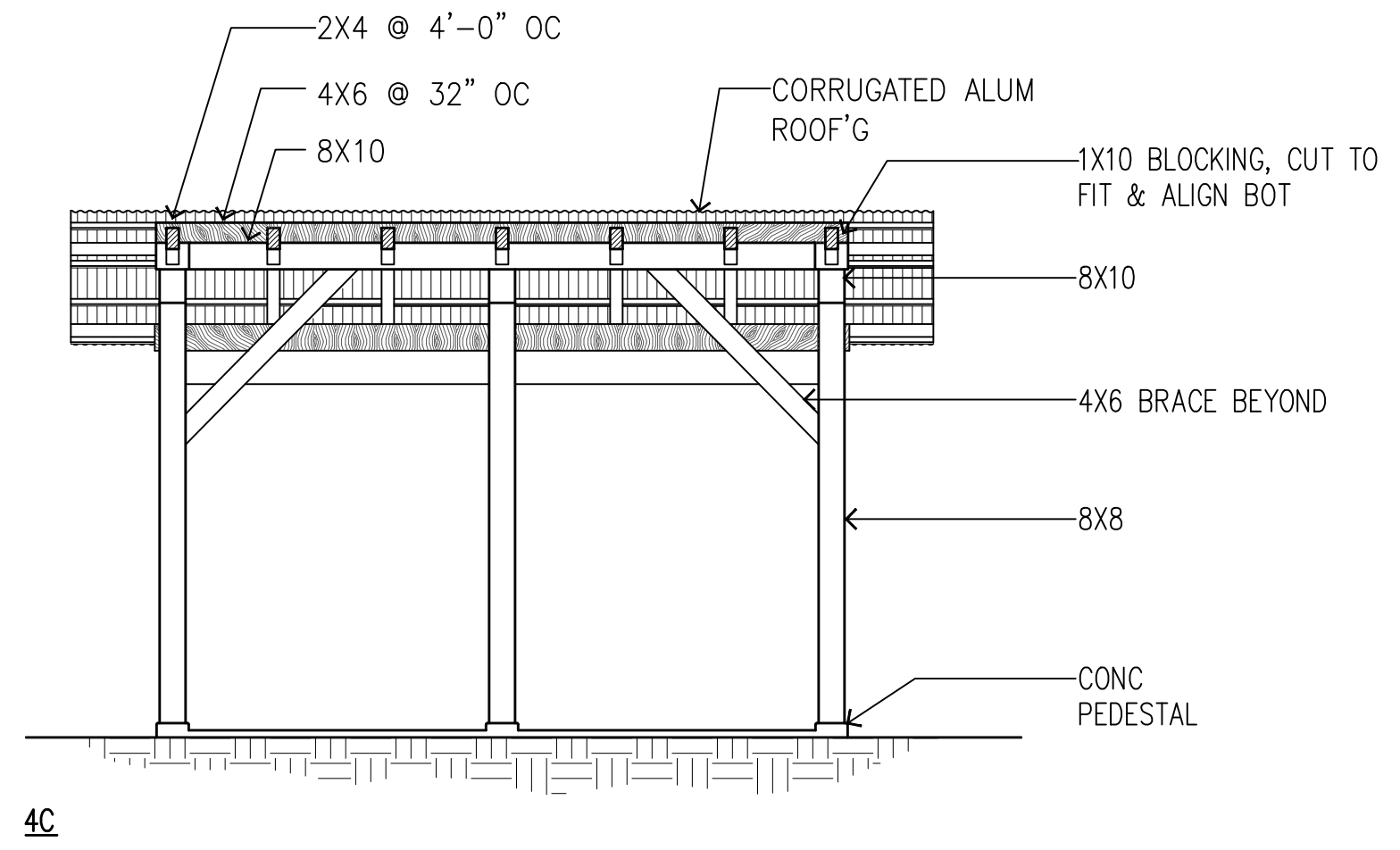
NOTE: FOR CURB & RET WALL CONFIGURATIONS SEE 1-4 A-102



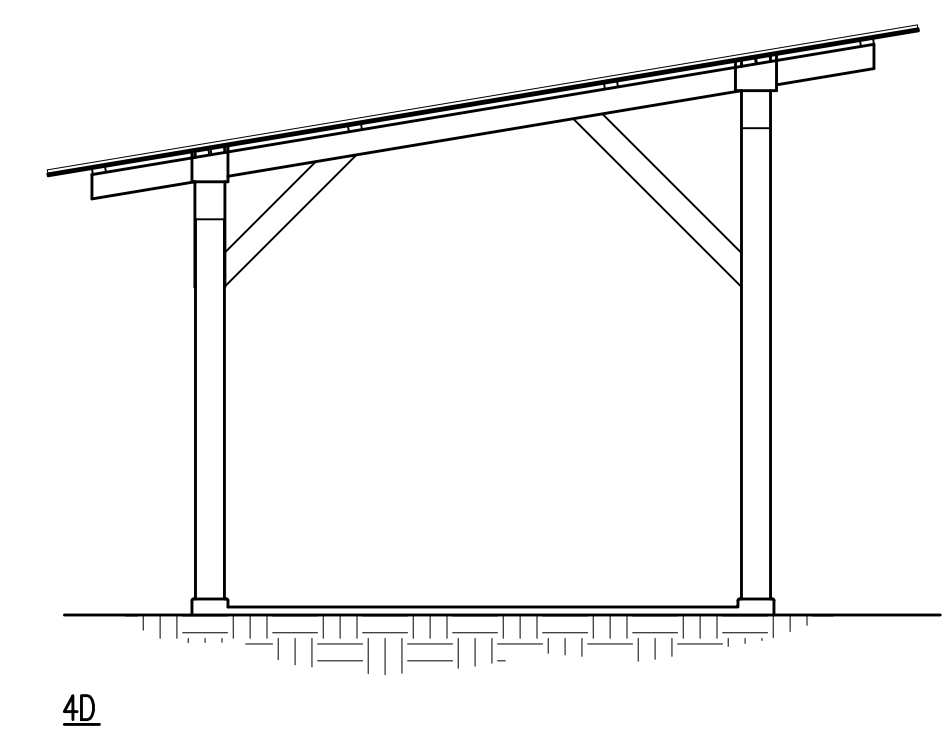
4A



4B

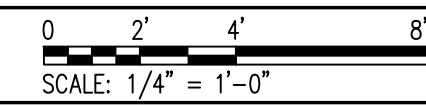


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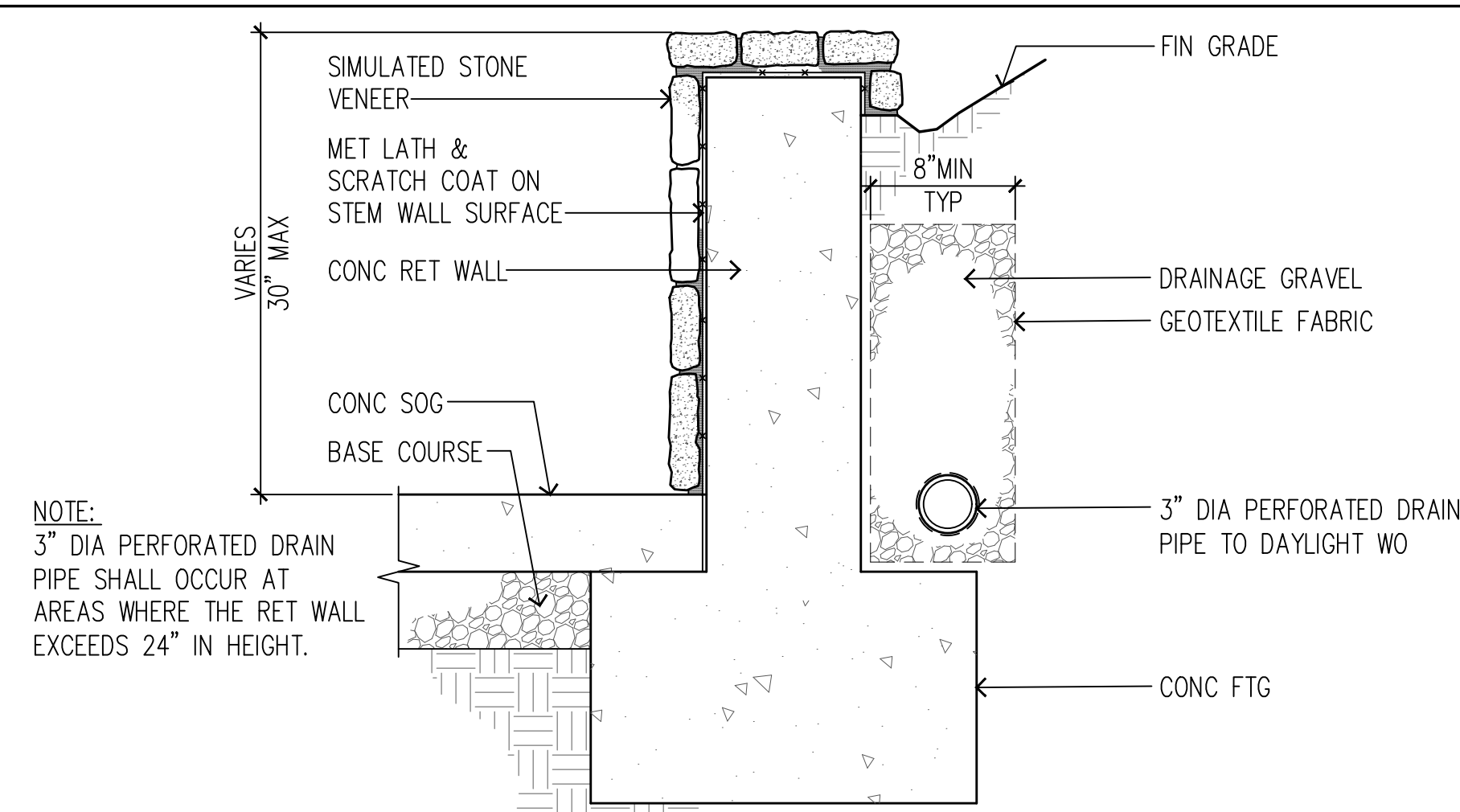


4D

4 EXTERIOR ELEVATIONS
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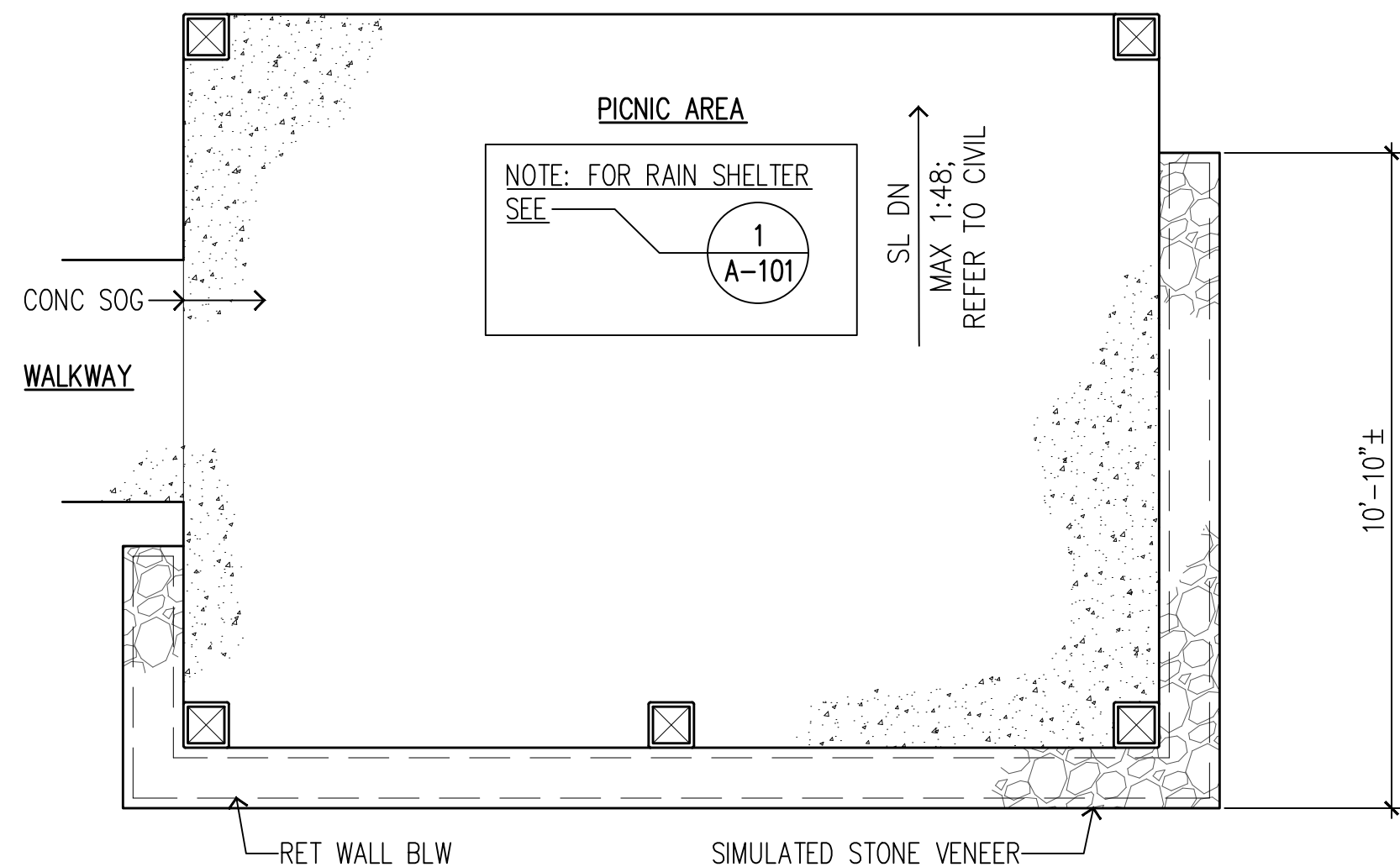
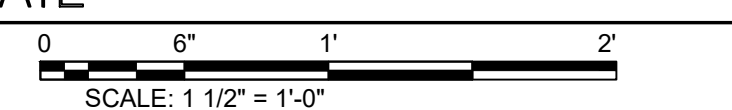


REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII FLOOR PLAN, REFLECTED CEILING PLAN, ROOF PLAN, & EXTERIOR ELEVATIONS					
DESIGNED:	MJ	SUBMITTED:	FEB 2026	[Signature]	
DRAWN:	MJ	DATE:	FEB 2026		
CHECKED:	FE	SCALE:	AS SHOWN		
APPROVED:	Dina Lau	E-signed 2026-04-27 09:01PM HST	DRAWING NO. A-101		
CHIEF ENGINEER	dina.u.lau@hawaii.gov	State of Hawaii	Civil Engineer		



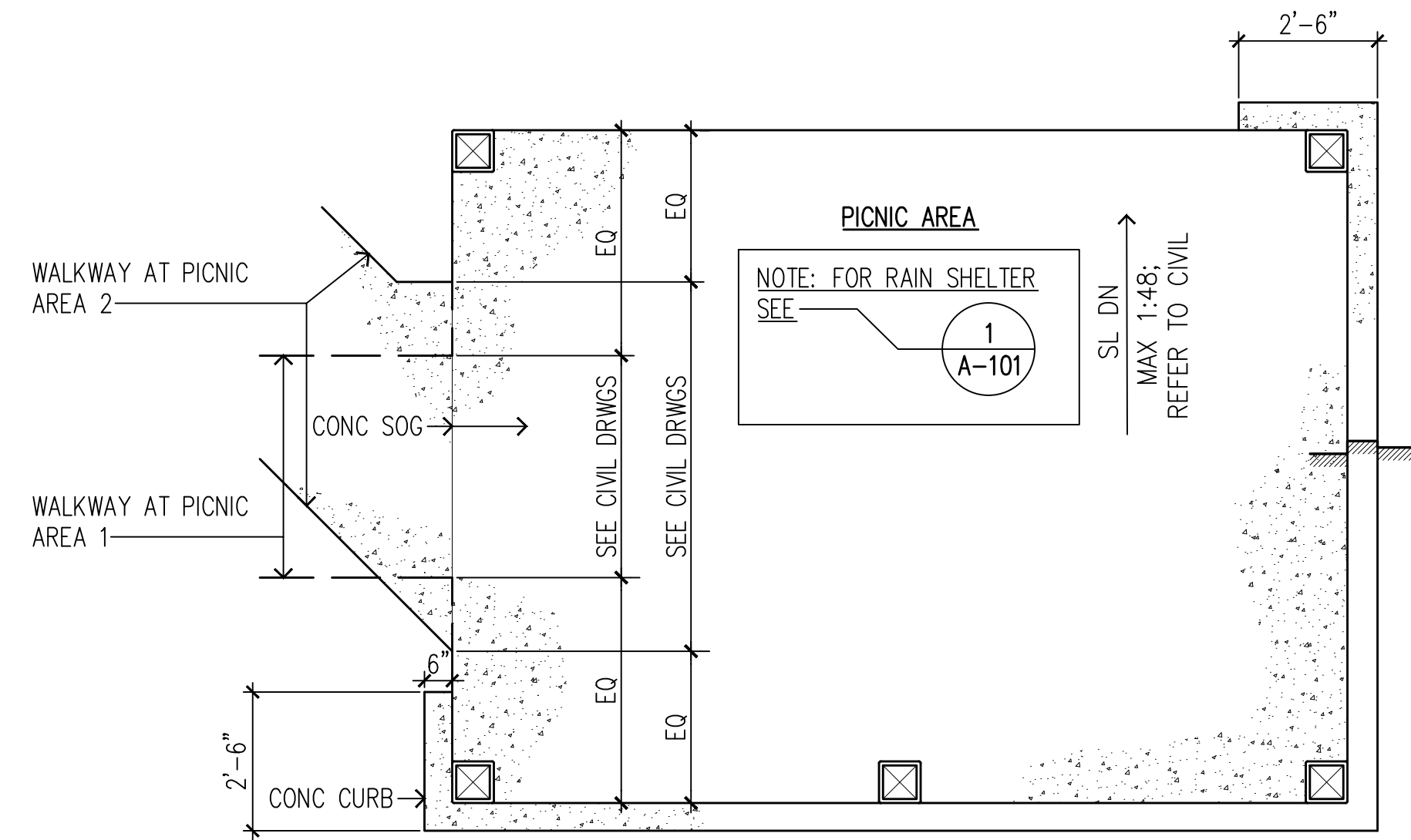
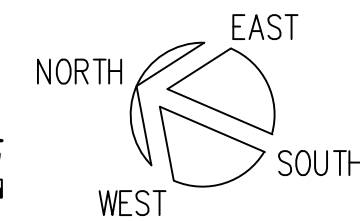
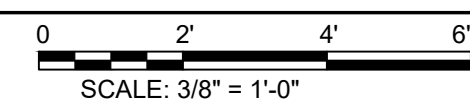
7 RETAINING WALL DETAIL

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



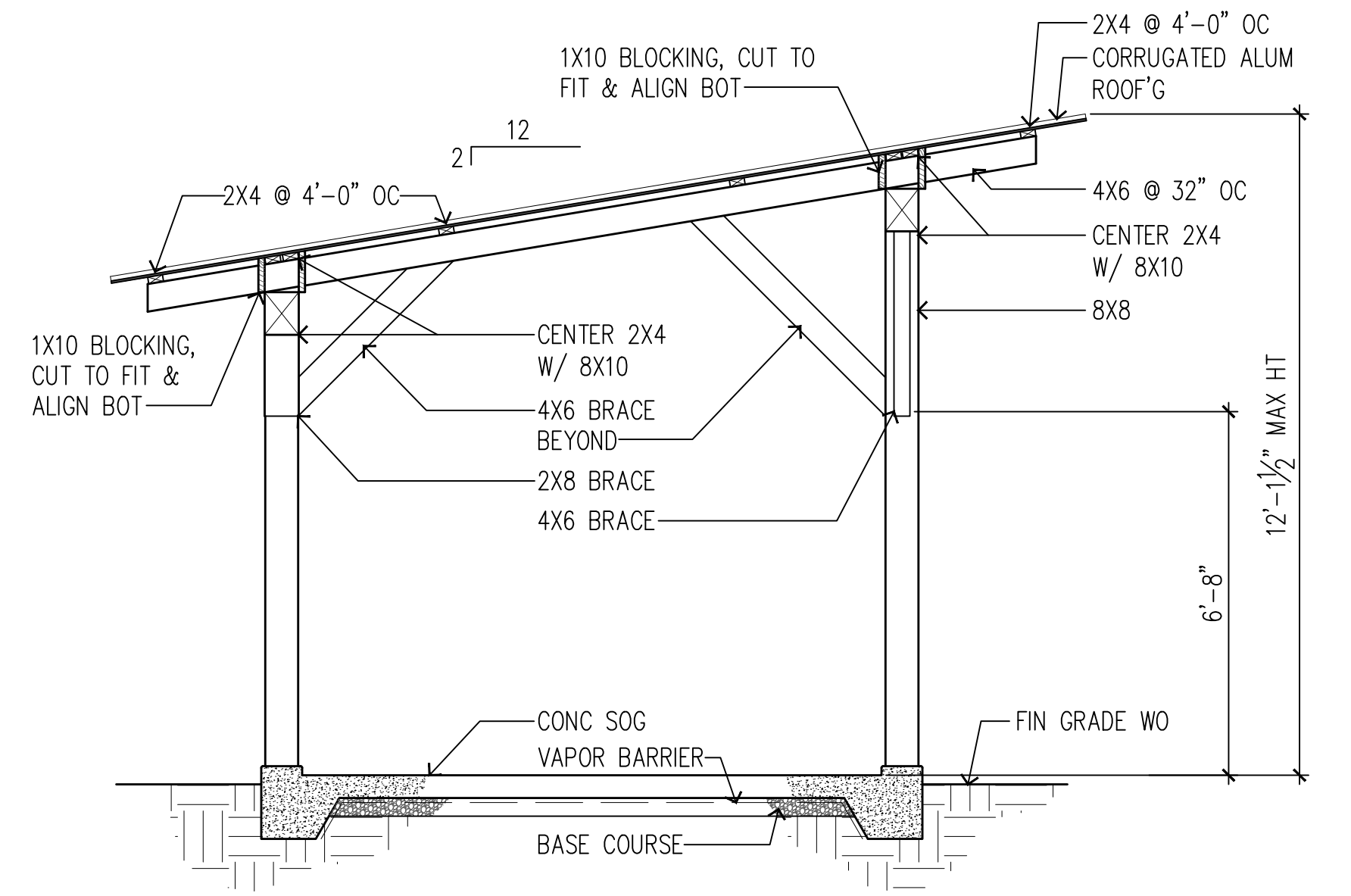
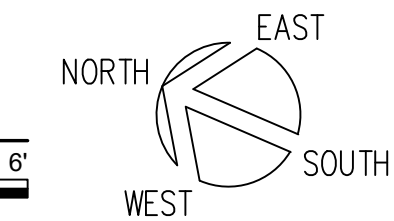
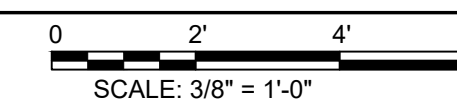
2 BID ADDITIVE #1 - SOG & RET WALL PLAN AT PICNIC AREA 3

SCALE: 3/8" = 1'-0"



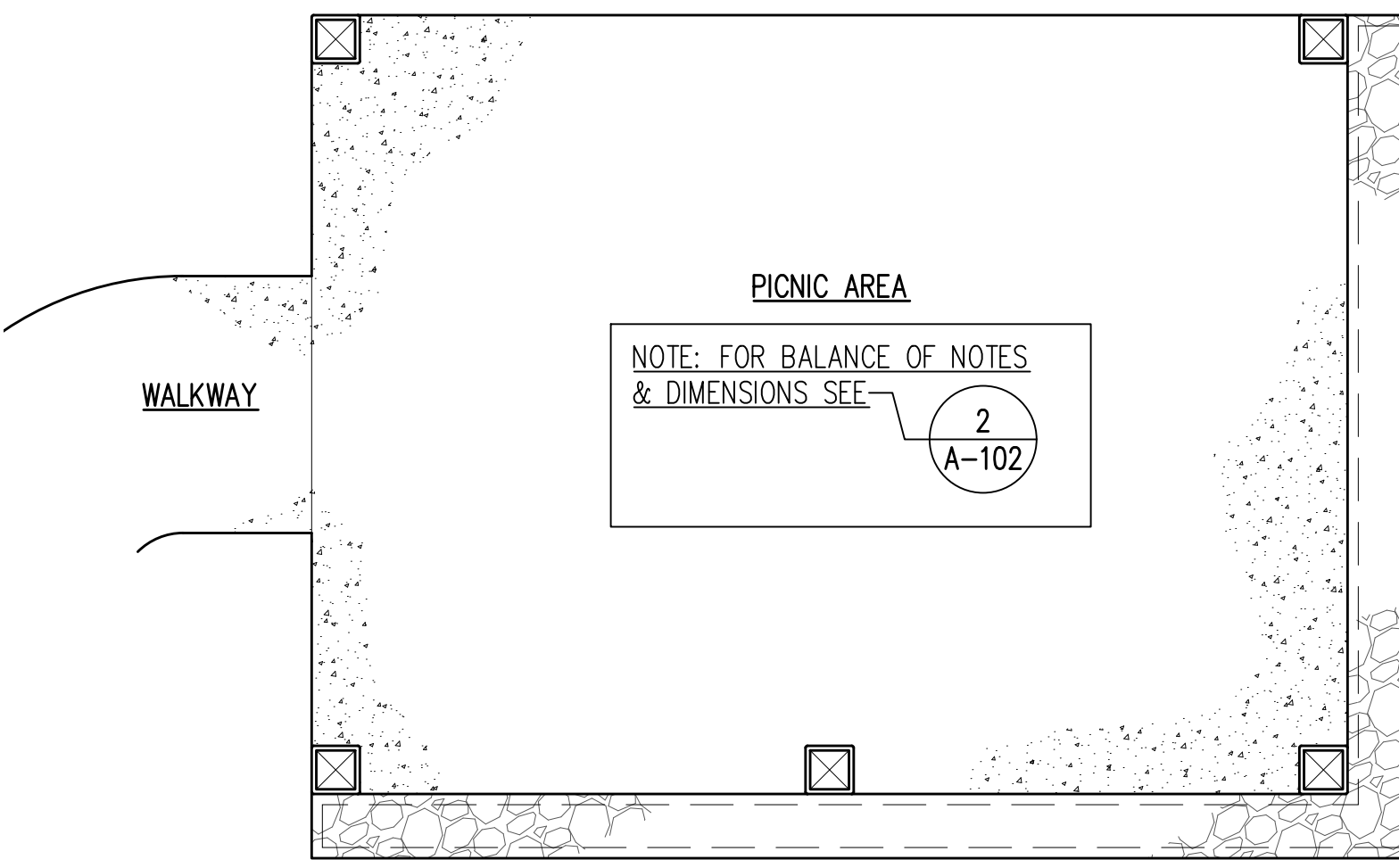
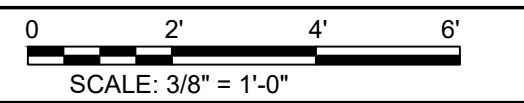
1 SOG & CURB PLAN AT PICNIC AREA 1 & 2

SCALE: 3/8" = 1'-0"



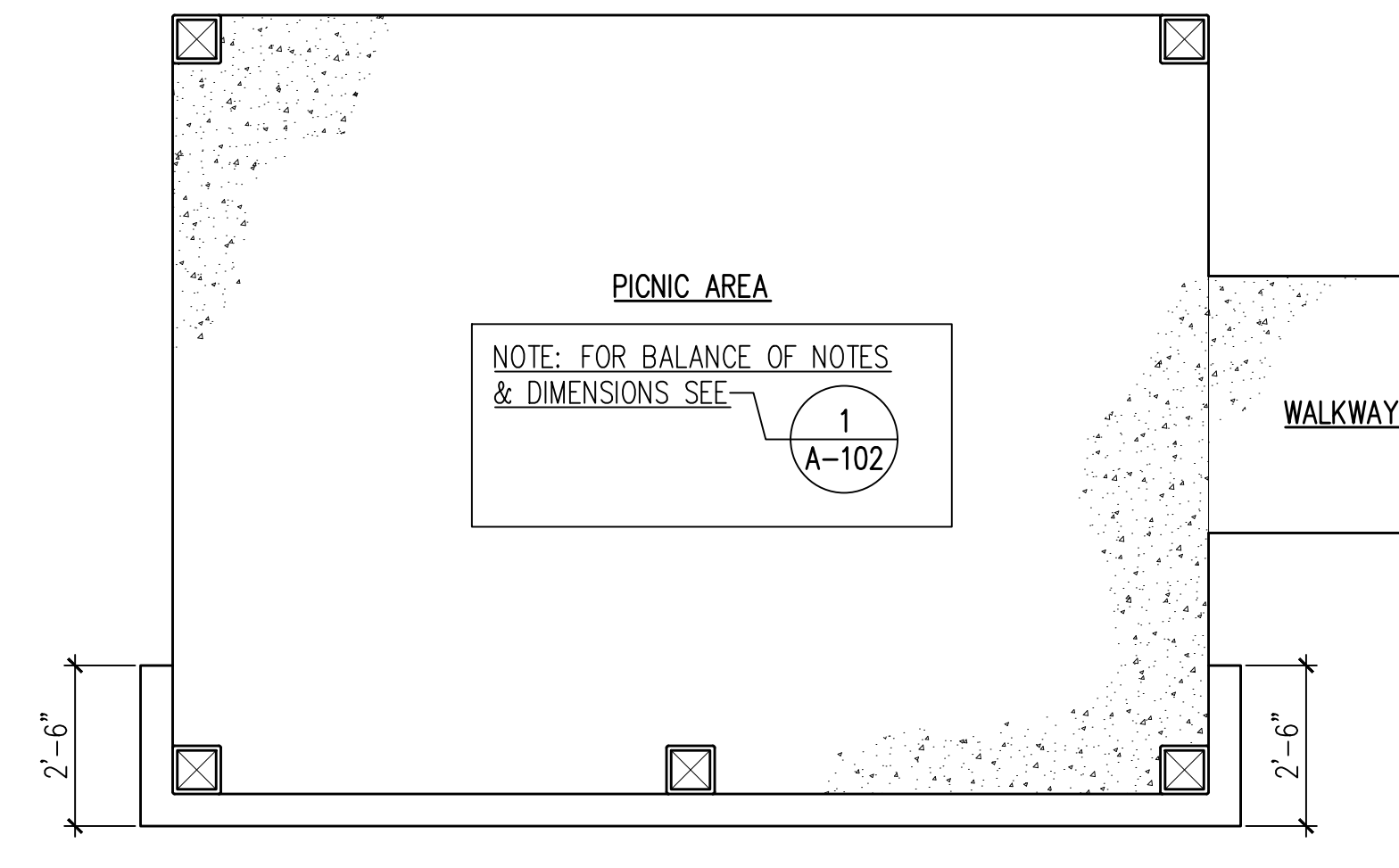
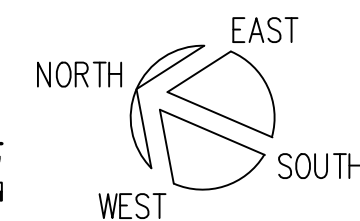
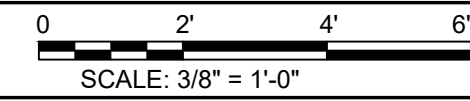
8 CROSS SECTION

SCALE: 3/8" = 1'-0"



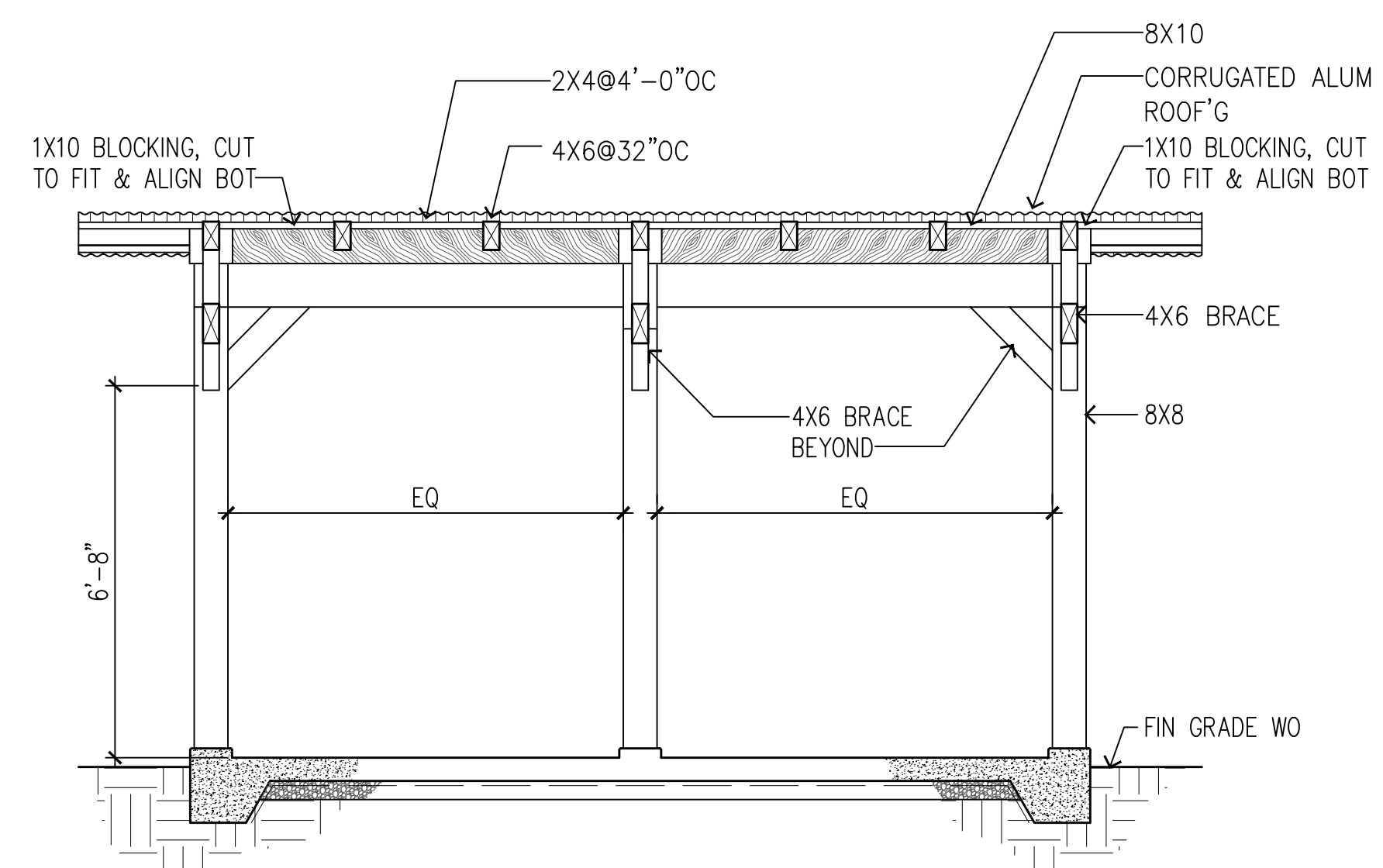
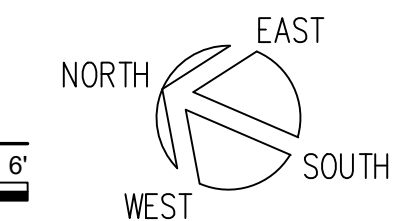
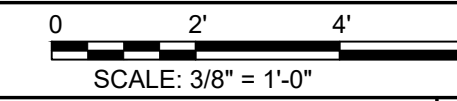
4 BID ADDITIVE #3 - SOG & RET WALL PLAN AT PICNIC AREA 5

SCALE: 3/8" = 1'-0"



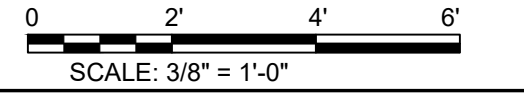
3 BID ADDITIVE #2 - SOG & CURB PLAN AT PICNIC AREA 4

SCALE: 3/8" = 1'-0"



9 LONGITUDINAL SECTION

SCALE: 3/8" = 1'-0"



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII CROSS SECTION, LONGITUDINAL SECTION, & MISCELLANEOUS DETAILS					
DESIGNED:	MJ	SUBMITTED:	FEB 2026		
DRAWN:	MJ	DATE:	FEB 2026		
CHECKED:	FE	SCALE:	AS SHOWN		
APPROVED:	Dina Lau	DRAWING NO.:	A-102		
CHIEF ENGINEER:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.lau@hawaii.gov State of Hawaii Civil Engineer				

GENERAL:

- A. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE (IBC, 2018 EDITION AS AMENDED BY THE COUNTY OF MAUI). HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING TO OTHER STANDARDS THE MORE STRINGENT SHALL APPLY.
- B. THE CONTRACTOR SHALL COMPARE ALL THE CONTRACT DOCUMENTS WITH EACH OTHER AND REPORT IN WRITING TO THE ENGINEER ALL INCONSISTENCIES AND OMISSIONS.
- C. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND SHALL COMPARE SUCH FIELD MEASUREMENTS AND CONDITIONS WITH THE DRAWINGS BEFORE COMMENCING WORK. REPORT IN WRITING TO THE ENGINEER ALL INCONSISTENCIES AND OMISSIONS.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS OF CONSTRUCTION, WORKMANSHIP AND JOB SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED FOR STABILITY OF STRUCTURAL MEMBERS AND SYSTEMS.
- E. CONSTRUCTION LOADING SHALL NOT EXCEED DESIGN LIVE LOAD UNLESS SPECIAL SHORING IS PROVIDED. ALLOWABLE LOADS SHALL BE REDUCED IN AREAS WHERE THE STRUCTURE HAS NOT ATTAINED FULL DESIGN STRENGTH.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE ADJACENT PROPERTIES, STRUCTURES, STREETS AND UTILITIES DURING THE CONSTRUCTION PERIOD.
- G. DETAILS NOTED AS TYPICAL ON THE STRUCTURAL DRAWINGS SHALL APPLY IN ALL CONDITIONS UNLESS SPECIFICALLY SHOWN OR NOTED.
- H. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS MUST SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS.

DESIGN CRITERIA:

- A. RISK CATEGORY _____ II
- B. SEISMIC
 - 1. SEISMIC IMPORTANCE FACTOR: _____ 1.00
 - 2. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
 - a. SS _____ 1.058
 - b. S1 _____ 0.273
 - 3. SPECTRAL RESPONSE COEFFICIENTS:
 - a. SDS _____ 0.759
 - b. SD1 _____ 0.374
 - 4. SEISMIC DESIGN CATEGORY: _____ D
 - 5. BASIC SEISMIC FORCE RESISTING SYSTEM:
 - TIMBER FRAMES
 - 6. DESIGN BASE SHEAR: _____ 1.0 KIPS
 - 7. SEISMIC RESPONSE COEFFICIENT: _____ 0.506
 - A. RESPONSE MODIFICATION FACTOR: _____ 1.5
 - B. ANALYSIS PROCEDURE USED:
 - EQUIVALENT LATERAL FORCE PROCEDURE
- C. WIND
 - 1. BASIC WIND SPEED - 3 SECOND GUST _____ 140 MPH
 - 2. TOPOGRAPHIC FACTOR Kzt _____ 1.0
 - 3. DIRECTIONALITY FACTOR Kd _____ 0.85
 - 4. ELEVATION FACTOR, Ke _____ 1.00
 - 5. WIND EXPOSURE CATEGORY _____ D
 - 6. INTERNAL PRESSURE COEFFICIENT _____ 0.00
 - 7. COMPONENTS AND CLADDING _____ 120 PSF
- D. DESIGN LIVE LOADS
 - 1. ROOF _____ 20 PSF
- E. ALLOWABLE FOUNDATION BEARING CAPACITIES
 - 1. DEAD LOAD + LIVE LOAD _____ 2500 PSF
 - 2. DEAD LOAD + LIVE LOAD + LATERAL LOAD _____ 3333 PSF

FOUNDATION:

- A. FOUNDATION DESIGN IS BASED ON GEOTECHNICAL INVESTIGATION BY KOKUA GEOTECH LLC AND REPORT DATED DECEMBER 23, 2025.
- B. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATION FROM SURFACE WATER, GROUND WATER OR SEEPAGE.
- C. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEETING, AND SHORING NECESSARY TO PRESERVE EXCAVATIONS AND EARTH BANKS.

FOUNDATION (CONT):

- D. **SITE AND SUBGRADE PREPARATION:**
 - a. AT THE ON-SET OF EARTHWORK, THE AREA WITHIN THE CONTRACT GRADING LIMITS SHALL BE CLEARED AND GRUBBED THOROUGHLY. SURFACE VEGETATION, DEBRIS, DELETERIOUS MATERIALS, AND OTHER UNSUITABLE MATERIALS SHALL BE REMOVED AND DISPOSED OF PROPERLY OFF-SITE. AFTER CLEARING AND GRUBBING, AREAS TO RECEIVE FILLS AND FINISHED SUBGRADES IN CUT AREAS SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES, MOISTURE-CONDITIONED TO ABOVE THE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO A MINIMUM OF 90 PERCENT RELATIVE COMPACTION.
 - b. SOFT AND YIELDING AREAS ENCOUNTERED DURING CLEARING SHALL BE OVER-EXCAVATED TO EXPOSE FIRM MATERIAL, AND THE RESULTING EXCAVATION SHALL BE BACKFILLED WITH GENERAL FILL MATERIALS COMPACTED TO A MINIMUM OF 90 PERCENT RELATIVE COMPACTION. THE EXCAVATED SOFT SOILS SHALL BE PROPERLY DISPOSED OF OFF-SITE AND/OR USED IN LANDSCAPE AREAS, WHERE APPROPRIATE.
 - c. SATURATION AND SUBSEQUENT YIELDING OF THE EXPOSED SUBGRADE DUE TO INCLEMENT WEATHER AND POOR DRAINAGE MAY REQUIRE OVER-EXCAVATING THE SOFT AREAS AND REPLACING THESE AREAS WITH WELL-COMPACTED STRUCTURAL FILL.
- E. **EXCAVATIONS:** ALL EXCAVATIONS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND STATE REGULATIONS. THE CONTRACTOR SHALL DETERMINE THE METHOD AND EQUIPMENT TO BE USED FOR THE EXCAVATIONS, SUBJECT TO PRACTICAL LIMITS AND SAFETY CONSIDERATIONS. IN ADDITION, THE EXCAVATIONS SHALL COMPLY WITH THE APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH SHORING DESIGN AND INSTALLATION.
- F. **FILL MATERIALS:**
 - a. IMPORTED STRUCTURAL FILL MATERIALS SHALL CONSIST OF IMPORTED, NON-EXPANSIVE GRANULAR MATERIAL SUCH AS CRUSHED CORAL OR BASALT. IN ADDITION, THE STRUCTURAL FILL MATERIAL SHALL BE WELL-GRADED FROM COARSE TO FINE WITH PARTICLES NO LARGER THAN 3 INCHES IN LARGEST DIMENSION. THE MATERIAL SHALL HAVE A CBR VALUE OF 20 OR HIGHER AND A SWELL POTENTIAL OF 1 PERCENT OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM D1883. THE MATERIAL SHALL ALSO CONTAIN BETWEEN 10 AND 30 PERCENT PARTICLES PASSING THE NO. 200 SIEVE.
 - b. AGGREGATE BASE COURSE AND SELECT BORROW FOR SUBBASE COURSE SHALL MEET THE RESPECTIVE MATERIAL REQUIREMENTS AS SPECIFIED IN SECTIONS 31 AND 30 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, COUNTY OF MAUI, SEPTEMBER 1986.
- G. **FILL COMPACTION REQUIREMENTS:**
 - a. THE SOIL SAMPLES COLLECTED AND TESTED GENERALLY EXHIBITED ELEVATED MOISTURE CONTENTS; THEREFORE, THE IN-SITU SOILS MAY CONSTANTLY BE IN A VERY MOIST TO WET CONDITION. DRYING OR AERATING THE EXCAVATED MATERIALS MAY BE NECESSARY PRIOR TO THEIR USE AS GENERAL FILL.
 - b. GENERAL FILL MATERIALS SHALL BE MOISTURE-CONDITIONED TO ABOVE THE OPTIMUM MOISTURE CONTENT, PLACED IN LEVEL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, AND COMPACTED TO A MINIMUM OF 90 PERCENT RELATIVE COMPACTION. THE NON-EXPANSIVE STRUCTURAL FILL MATERIALS SHALL BE PLACED IN LEVEL LIFTS OF ABOUT 8 INCHES IN LOOSE THICKNESS, MOISTURE-CONDITIONED TO ABOVE THE OPTIMUM MOISTURE, AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION.
 - c. THE AGGREGATE BASE COURSE AND SUBBASE COURSE MATERIALS SHALL BE MOISTURE-CONDITIONED ABOVE THE OPTIMUM MOISTURE CONTENT, PLACED IN LEVEL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, AND COMPACTED TO A MINIMUM OF 95 PERCENT RELATIVE COMPACTION.
 - d. RELATIVE COMPACTION REFERS TO THE IN-PLACE DRY DENSITY OF SOIL EXPRESSED AS A PERCENTAGE OF THE MAXIMUM DRY DENSITY OF THE SAME SOIL ESTABLISHED IN ACCORDANCE WITH ASTM D1557 TEST PROCEDURES. OPTIMUM MOISTURE IS THE WATER CONTENT (PERCENTAGE BY DRY WEIGHT) CORRESPONDING TO THE MAXIMUM DRY DENSITY.
- H. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED THEIR FULL DESIGN STRENGTH.
- I. THE GEOTECHNICAL ENGINEER SHALL BE RETAINED DURING CONSTRUCTION AND SHALL BE PRESENT TO OBSERVE THE SITE PREPARATION, PLACEMENT OF FILL AND BACKFILL, AND FOOTING AND SLAB SUBGRADE EXCAVATIONS, COMPACTION, AND PREPARATION.

CONCRETE:

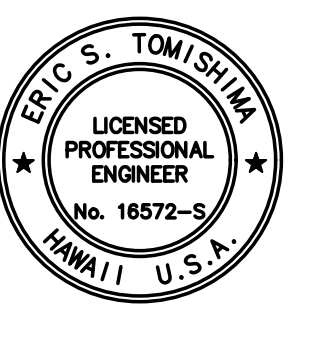

- A. CONCRETE CONSTRUCTION SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE ACI 318R-14.
- B. CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK CONCRETE AND SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS:
 - 1. FOOTINGS _____ 4,000 PSI
 - 2. SLABS-ON-GRADE _____ 4,000 PSI
 - 3. WALLS _____ 4,000 PSI
 - 4. ALL OTHER CONCRETE _____ 3,000 PSI
- C. CONCRETE DELIVERY TICKETS SHALL RECORD ALL FREE WATER IN THE MIX: AT BATCHING BY PLANT, FOR CONSISTENCY BY DRIVER, AND ANY ADDITIONAL REQUEST BY CONTRACTOR IF PERMITTED BY THE MIX DESIGN.
- D. ALL INSERTS, ANCHOR BOLTS, PLATES, AND OTHER ITEMS TO BE CAST IN THE CONCRETE SHALL BE HOT-DIPPED GALVANIZED UNLESS OTHERWISE NOTED.
- E. REINFORCING BARS, ANCHOR BOLTS, INSERTS, AND OTHER ITEMS TO BE CAST IN THE CONCRETE SHALL BE SECURED IN POSITION PRIOR TO PLACEMENT OF CONCRETE.
- F. CONDUITS, PIPES, AND SLEEVES PASSING THROUGH A SLAB OR FOOTING AND NOT CONFORMING TO TYPICAL DETAILS SHALL BE LOCATED AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
- G. CONDUITS, PIPES, AND SLEEVES EMBEDDED WITHIN A SLAB OR WALL (OTHER THAN THOSE MERELY PASSING THROUGH) SHALL BE:
 - 1. NO LARGER IN OUTSIDE DIMENSIONS THAN ONE THIRD THE OVERALL SLAB OR WALL THICKNESS IN WHICH THEY ARE EMBEDDED.
 - 2. PLACED IN THE MIDDLE ONE THIRD OF SLAB OR WALL THICKNESS
 - 3. SPACED NO CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER.
- H. CONDUITS, PIPES, AND SLEEVES SHALL NOT BE PLACED THROUGH OR EMBEDDED IN A BEAM UNLESS SPECIFICALLY DETAILED.
- I. THE CONTRACTOR SHALL LOCATE CONSTRUCTION JOINTS SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE AND TO MINIMIZE SHRINKAGE STRESSES. SUBMIT LOCATION OF CONSTRUCTION JOINTS TO THE ENGINEER FOR APPROVAL, UNLESS OTHERWISE NOTED.
- J. SEE ARCHITECTURAL DRAWINGS FOR CHAMFERS, EDGE RADII, DRIPS, REGLETS, FINISHES AND OTHER NON-STRUCTURAL ITEMS NOT SHOWN OR SPECIFIED ON THE STRUCTURAL DRAWINGS.
- K. NON-SHRINK GROUT SHALL BE A PREMIXED NON-METALLIC FORMULA, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 1 DAY AND 5,000 PSI IN 28 DAYS.
- L. THE ENGINEER SHALL BE NOTIFIED AT LEAST 3 WORKING DAYS PRIOR TO ANY CONCRETE POUR. NO CONCRETE SHALL BE POURED PRIOR TO OBSERVATION BY THE ENGINEER OR HIS REPRESENTATIVE.

REINFORCING STEEL:

- A. REINFORCING STEEL (FOR NORMAL USE, NOT WELDED) SHALL BE DUPLEX STAINLESS STEEL REINFORCING (UNS 232304) GRADE 75, CONFORMING TO ASTM A276, A995, AND A995 (ALTERNATE: CHROMUM 4100 w/ EPOXY COATED TIE WIRE).
- B. CLEAR CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - 1. FOOTINGS, ETC. CAST AGAINST EARTH _____ 3"
 - 2. FOOTINGS, ETC. FORMED AND EXPOSED TO EARTH OR WEATHER _____ 2"
- C. CLEAR DISTANCE BETWEEN THE SURFACE OF A BAR AND ANY SURFACE OF A MASONRY UNIT SHALL BE NOT LESS THAN 1/2 INCH, UNLESS OTHERWISE NOTED.
- D. REINFORCING STEEL SHALL BE SPLICED WHERE INDICATED ON PLANS. PROVIDE LAP SPLICE LENGTH PER TYPICAL DETAILS AND SCHEDULE, UNLESS OTHERWISE NOTED.
- E. BAR LAPS SHALL BE MADE AWAY FROM POINTS OF MAXIMUM STRESS. UNLESS NOTED OTHERWISE, SPLICES, LAPS, DOWEL EXTENSIONS AND EMBEDMENTS SHALL BE 48 BAR DIAMETERS, BUT NOT LESS THAN 24 INCHES. SPLICES SHALL BE STAGGERED WHERE POSSIBLE.
- F. UNLESS OTHERWISE NOTED, ALL HORIZONTAL REINFORCING STEEL AT WALL AND WALL FOOTING CORNERS AND INTERSECTIONS SHALL EXTEND TO THE FAR FACE OF THE CORNER AND HOOKED A LENGTH OF 48 BAR DIAMETERS, BUT NOT LESS THAN 24 INCHES, AROUND THE CORNER.
- G. BAR BENDS AND HOOKS SHALL BE "STANDARD HOOKS" IN ACCORDANCE WITH ACI 318.
- H. WELDING OF REINFORCING STEEL IS NOT PERMITTED.

STRUCTURAL LUMBER:

- A. STRUCTURAL LUMBER SHALL BE TERMITE AND ROT PRESSURE PRESERVATIVE TREATED COASTAL DOUGLAS FIR CONFORMING TO STANDARD GRADING AND DRESSING RULES OF THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB).
- B. UNLESS OTHERWISE NOTED, STRUCTURAL MEMBERS SHALL HAVE THE FOLLOWING GRADES OBETTER:
 - 1. 2X JOISTS _____ GRADE NO. 2
 - 2. 6X BEAMS AND HEADERS _____ GRADE NO. 1
 - 3. 6X POSTS _____ GRADE NO. 1
- C. SHEATHING SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF U.S. PRODUCT STANDARD PS 1 OR APA'S PERFORMANCE STANDARDS.
- D. PROVIDE MINIMUM NAILING PER TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE, UNLESS OTHERWISE NOTED.
- E. ALL NAILS SHALL BE TYPE 316/316L STAINLESS STEEL SIMPSON STRONG TIE SCNR RING-SHANK CONNECTOR NAILS UNLESS OTHERWISE NOTED.
- F. BOLTS SHALL CONFORM TO ASTM F593 AND SHALL BE TYPE 316/316L STAINLESS STEEL UNLESS OTHERWISE NOTED.
- G. CONNECTION PLATES SHALL BE TYPE 316/316L STAINLESS STEEL UNLESS OTHERWISE NOTED.
- H. PREFABRICATED FRAMING HARDWARE SHALL BE TYPE 316/316L STAINLESS STEEL SIMPSON STRONG TIE HARDWARE OR APPROVED EQUAL UNLESS OTHERWISE NOTED INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- I. PLACE A LAYER OF 30# ROOFING FELT BETWEEN ALL WOOD MEMBERS AND CONCRETE OR MASONRY SURFACES.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
					
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII					
GENERAL NOTES					
DESIGNED:	DS	SUBMITTED:	FEB 2026	<i>EL</i>	
DRAWN:	AM	DATE:	FEB 2026		
CHECKED:	ET	SCALE:			
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii				
CHIEF ENGINEER					

SPECIAL INSPECTION:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SPECIAL INSPECTION OF PORTIONS OF THE WORK, AS REQUIRED BY THE BUILDING CODE OF THE COUNTY OF MAUI, IS MADE AT THE APPROPRIATE TIME. THE CONTRACTOR SHALL GIVE TIMELY NOTICE OF WHEN AND WHERE INSPECTIONS ARE TO BE MADE AND PROVIDE ACCESS FOR THE INSPECTOR. THE CONTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ADDITIONAL COST TO THE STATE AND PAY FOR RE-INSPECTION.
- B. GENERAL. WHERE APPLICATION IS MADE FOR CONSTRUCTION AS DESCRIBED IN THIS SECTION, THE CONTRACTOR SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER IBC SECTION 1705. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE IBC SECTION 110.
- STATEMENT OF SPECIAL INSPECTIONS. THE PERMIT APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH THE IBC SECTION 107 AS A CONDITION FOR PERMIT ISSUANCE. THIS STATEMENT SHALL BE IN ACCORDANCE WITH IBC SECTION 1705.
 - REPORT REQUIREMENT. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE ENGINEER, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
- C. INSPECTION OF FABRICATORS. WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED BY THIS SECTION AND AS REQUIRED ELSEWHERE IN THE IBC SECTION 1704.
- FABRICATION AND IMPLEMENTATION PROCEDURES. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.
 - FABRICATOR APPROVAL. SPECIAL INSPECTIONS REQUIRED BY THE IBC ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

SPECIAL INSPECTION (CONT'D):

- D. CONCRETE CONSTRUCTION. THE SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION SHALL BE AS REQUIRED BY THIS SECTION AND IBC TABLE 1705.3.
- MATERIALS IN THE ABSENCE OF SUFFICIENT DATA OR DOCUMENTATION PROVIDING EVIDENCE OF CONFORMANCE TO QUALITY STANDARDS FOR MATERIALS IN CHAPTER 3 OF ACI 318, THE BUILDING OFFICIAL SHALL REQUIRE TESTING OF MATERIALS IN ACCORDANCE WITH THE APPROPRIATE STANDARDS AND CRITERIA FOR THE MATERIAL IN CHAPTER 3 OF ACI 318. WELDABILITY OF REINFORCEMENT, EXCEPT THAT WHICH CONFORMS TO ASTM A 706, SHALL BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 3.5.2 OF ACI 318.
- E. SPECIAL CASES. SPECIAL INSPECTIONS SHALL BE REQUIRED FOR PROPOSED WORK THAT IS, IN THE OPINION OF THE ENGINEER, UNUSUAL IN ITS NATURE, SUCH AS, BUT NOT LIMITED TO, THE FOLLOWING EXAMPLES:
- CONSTRUCTION MATERIALS AND SYSTEMS THAT ARE ALTERNATIVES TO MATERIALS AND SYSTEMS PRESCRIBED BY THE IBC.
 - UNUSUAL DESIGN APPLICATIONS OF MATERIALS DESCRIBED IN THE IBC.
 - MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN THE IBC OR IN STANDARDS REFERENCED BY THE IBC SUCH AS, BUT NOT LIMITED TO, THE FOLLOWING EXAMPLES:
 - DRILLED AND EPOXIED THREADED RODS AND REINFORCING STEEL INTO CONCRETE.
- F. WIND RESISTANCE
- G. SEISMIC RESISTANCE
- H. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE STATE, LICENSED ENGINEER OR ENGINEER OF RECORD, AND OTHER STATE-DESIGNATED PERSONS. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE STATE AND LICENSED ENGINEER OR ENGINEER OF RECORD, STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THIS CODE. PRIOR TO THE FINAL INSPECTION REQUIRED UNDER THE BUILDING CODE SECTION 110.3.10 THE LICENSED ENGINEER OR ENGINEER OF RECORD SHALL SUBMIT A WRITTEN STATEMENT VERIFYING RECEIPT OF THE FINAL INSPECTION REPORTS AND DOCUMENTING THAT THERE ARE NO UNRESOLVED CODE REQUIREMENTS THAT CREATE SIGNIFICANT PUBLIC SAFETY DEFICIENCIES.

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (BASED ON IBC TABLE 1705.3)			
VERIFICATION AND INSPECTION	CONTINUOUS*	PERIODIC**	REFERENCED STANDARD
1. INSPECTION OF REINFORCING STEEL, INCLUDING PLACEMENT.	—	X	ACI 318: 3.5, 7.1-7.7
2. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.	X	—	—
3. VERIFYING USE OF REQUIRED DESIGN MIX.	—	X	ACI 318: CH. 4, 5.2-5.4
4. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	—	ASTM C 172, ASTM C 31, ACI 318: 5.6, 5.8
5. INSPECTION OF CONCRETE AND PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	—	X	ACI 318: 5.9, 5.10
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 5.11-5.13
7. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	X	ACI 318: 6.1.1

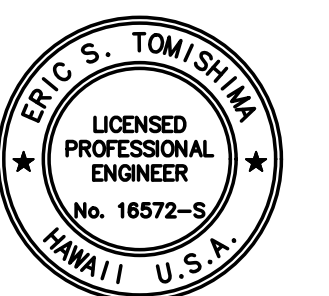
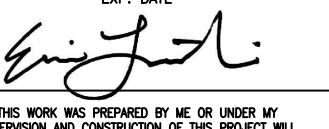

SPECIAL INSPECTION TABLE LEGEND

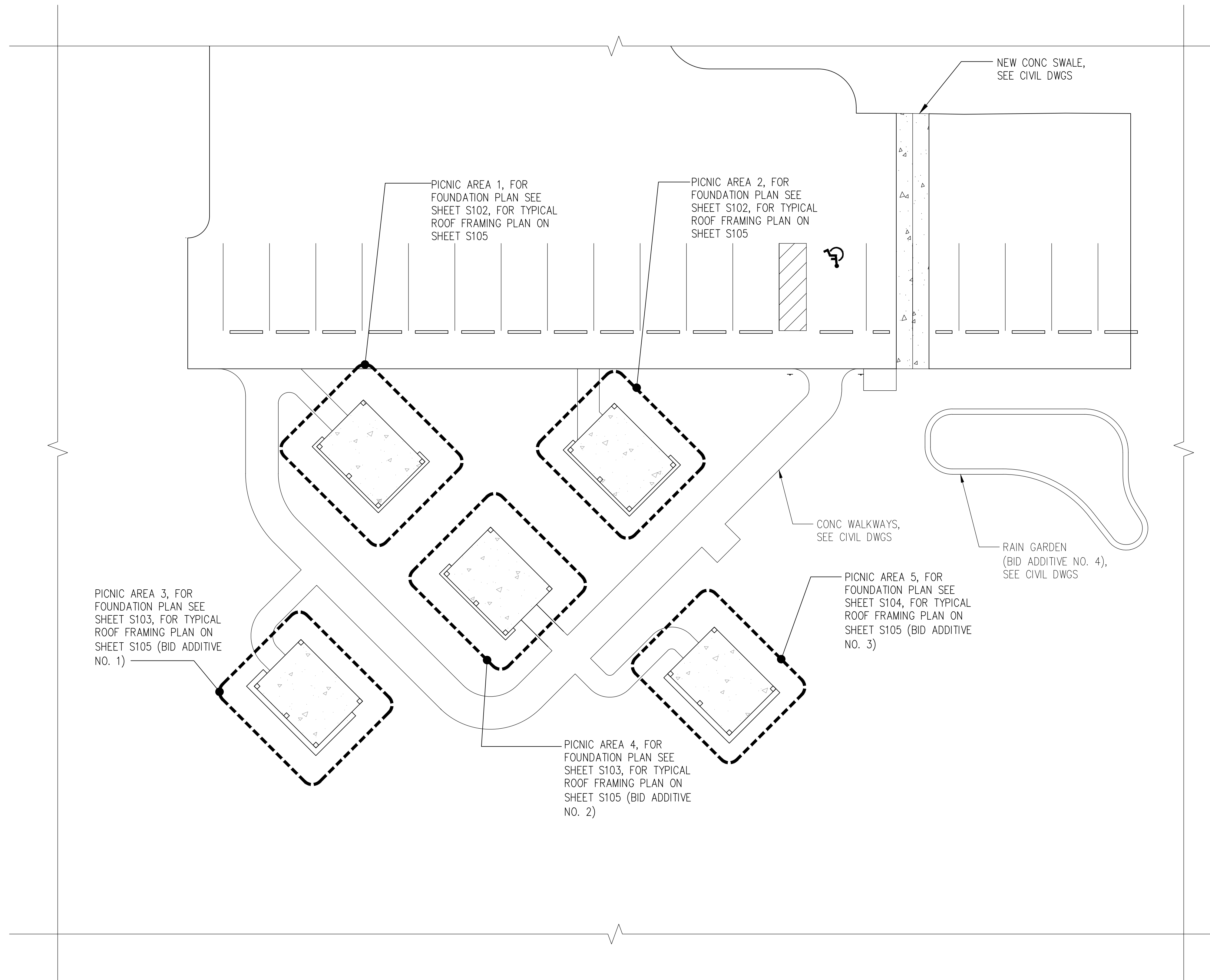
X REQUIRED FOR INSPECTION

— NOT REQUIRED FOR INSPECTION

* CONTINUOUS SPECIAL INSPECTION IS DEFINED AS "THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING DONE." PER THE IBC 2018

** PERIODIC SPECIAL INSPECTION IS DEFINED AS "THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK." PER THE IBC 2018

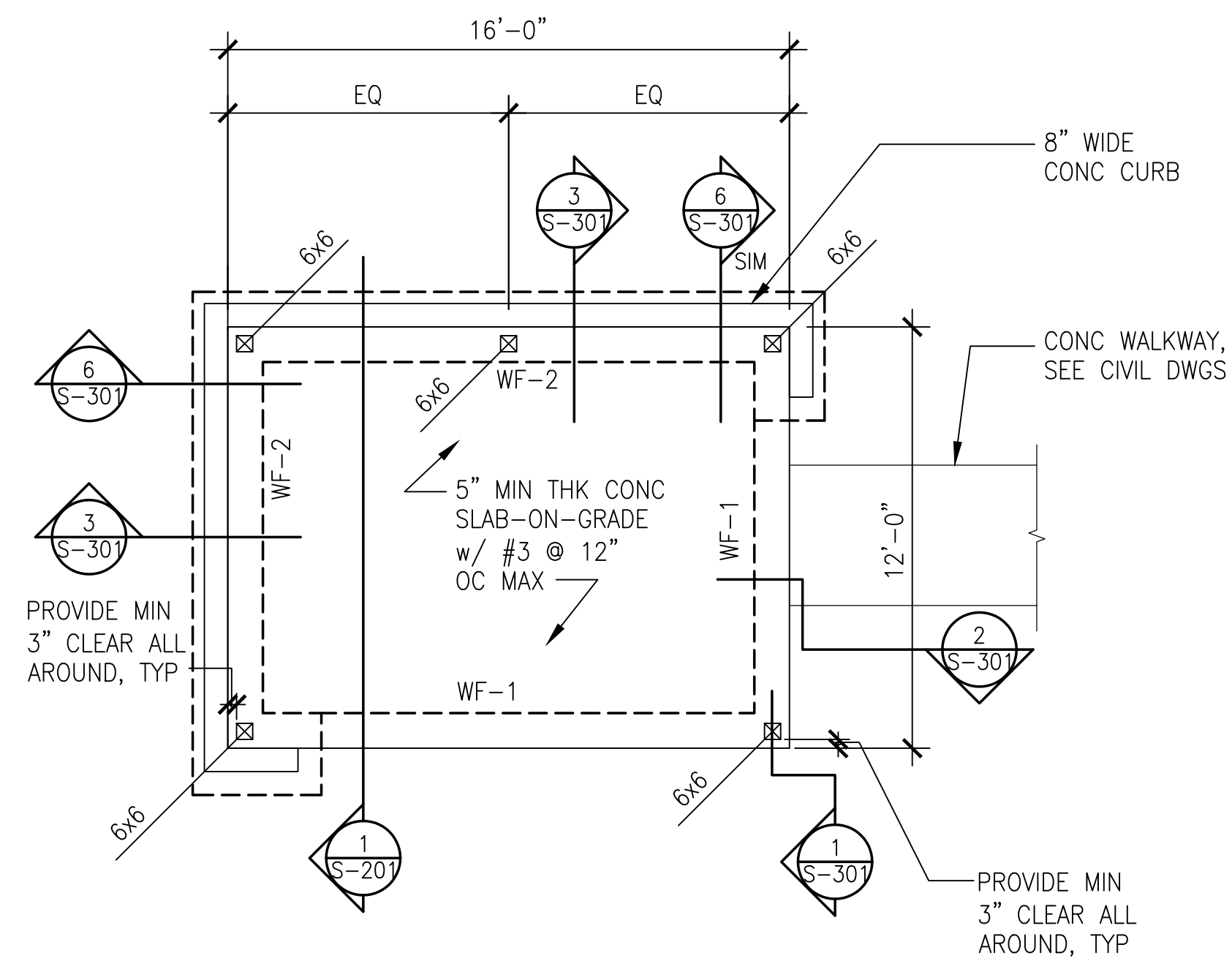
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
					
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII					
GENERAL NOTES					
DESIGNED:	DS	SUBMITTED:	FEB 2026	<i>EL</i>	
DRAWN:	AM	DATE:	FEB 2026		
CHECKED:	ET	SCALE:			
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii			DRAWING NO. S-002	
CHIEF ENGINEER					



OVERALL SITE FOUNDATION PLAN

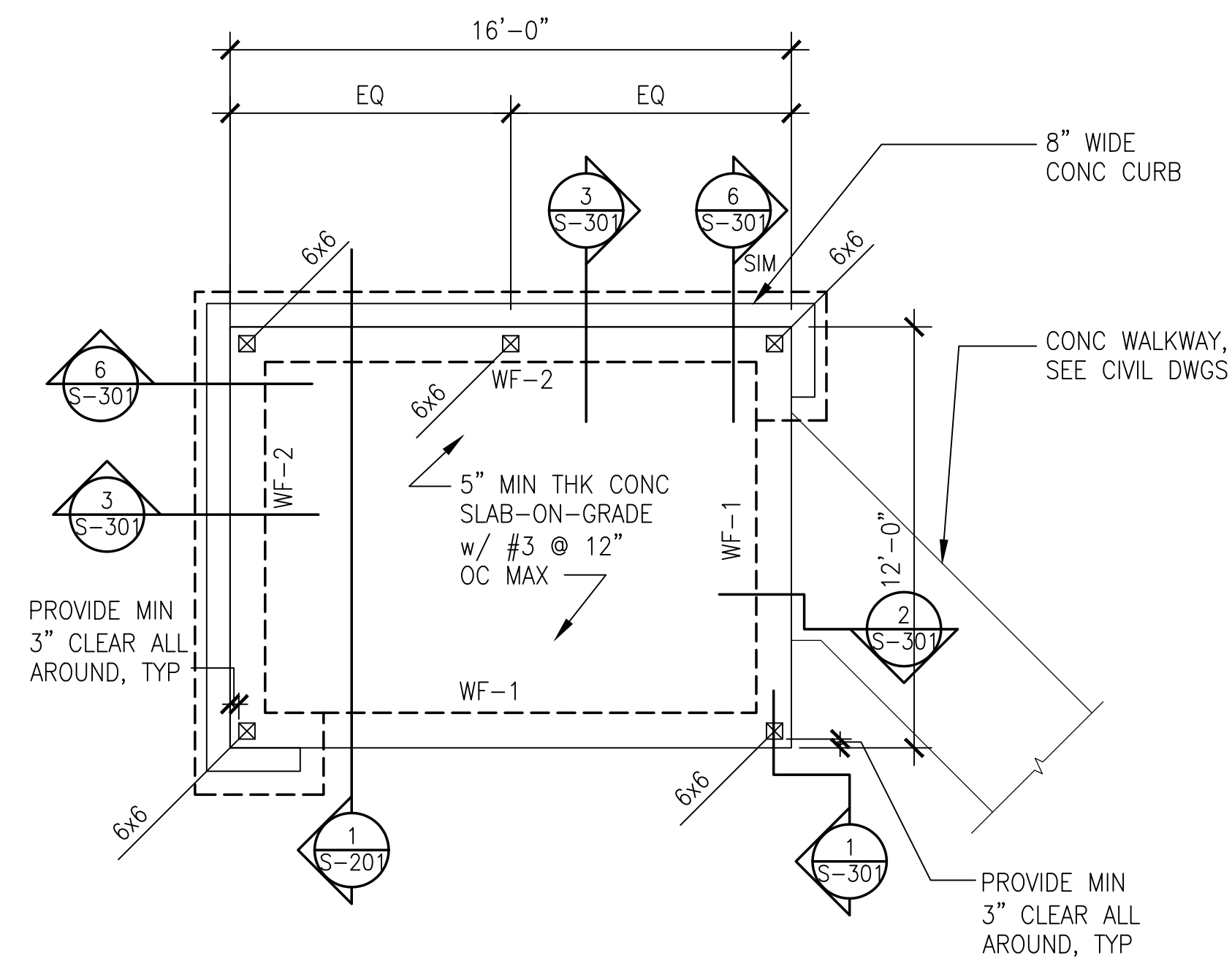
SCALE: 3/32" = 1'-0"
 8 4 0 8 16 24

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII OVERALL SITE FOUNDATION PLAN					
		DESIGNED: DS DRAWN: AM CHECKED: ET APPROVED: Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii Civil Engineer		SUBMITTED: FEB 2026 DATE: FEB 2026 SCALE: DRAWING NO. S-101	



FOUNDATION PLAN – PICNIC AREA 1

SCALE: 1/4" = 1'-0"
 0 2' 4' 8'



FOUNDATION PLAN – PICNIC AREA 2

SCALE: 1/4" = 1'-0"
 0 2' 4' 8'

LEGEND:

- INDICATES DEPRESSED SLAB OR CHANGE IN SLAB ELEVATION. SEE ARCH DWGS
- INDICATES CONC WALL OR CURB
- WF-1 INDICATES WALL FOOTING TYPE. SEE FOUNDATION SCHEDULE THIS SHEET.

SLAB ON GRADE NOTES:


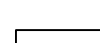
1. THICKNESSES OF SLAB ON GRADE SHOWN ARE MINIMUM AND SHALL BE MAINTAINED AT ALL SLOPED AND DEPRESSED AREAS.
2. FOR FLOOR ELEVATIONS, DEPRESSED SLABS LOCATIONS & SLOPES TO DRAIN, SEE ARCHITECTURAL DRAWINGS.
3. SLAB SHALL BE Poured WITH A MINIMUM SEVEN (7) DAYS LAPSE TIME BETWEEN ADJACENT POURS.

FOUNDATION NOTES:

1. REFERENCE ELEVATION (0.00) = FINISH FLOOR ELEVATION.
2. THICKNESS OF FOOTINGS, SHOWN AS MINIMUM ON FOUNDATION SECTIONS, SHALL BE MAINTAINED AT ALL SLOPED AND DEPRESSED AREAS. SEE 3/S-501 FOR STEP FOOTING DETAIL.
3. BOTTOM OF FOOTING SHALL BE MIN 1'-0" BELOW THE LOWER OF THE REFERENCE ELEVATION OR LOWEST ADJACENT FINISHED GRADE, UNO.
4. FOR DIMENSIONS NOT SHOWN SEE THE ARCHITECTURAL DRAWINGS.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII FOUNDATION PLANS PICNIC AREAS 1 & 2					
DESIGNED: DS		SUBMITTED: FEB 2026			
DRAWN: AM		DATE: FEB 2026			
CHECKED: ET		SCALE:			
APPROVED: Dina Lau		DRAWING NO. S-102			
CHIEF ENGINEER					

LEGEND:

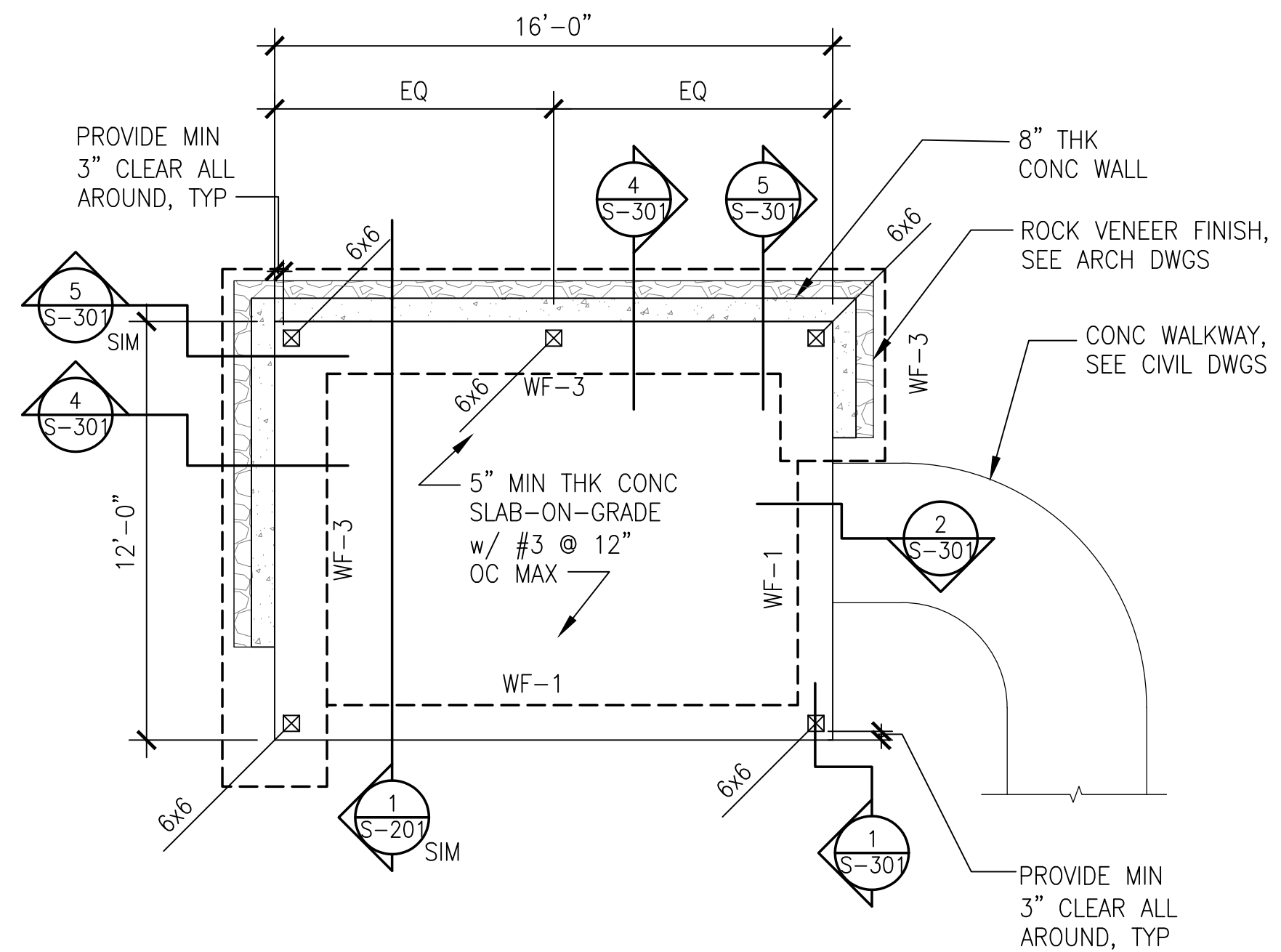
-  INDICATES DEPRESSED SLAB OR CHANGE IN SLAB ELEVATION. SEE ARCH DWGS
-  INDICATES CONC WALL OR CURB
- WF-1 INDICATES WALL FOOTING TYPE. SEE FOUNDATION SCHEDULE THIS SHEET.

SLAB ON GRADE NOTES:

1. THICKNESSES OF SLAB ON GRADE SHOWN ARE MINIMUM AND SHALL BE MAINTAINED AT ALL SLOPED AND DEPRESSED AREAS.
2. FOR FLOOR ELEVATIONS, DEPRESSED SLABS LOCATIONS & SLOPES TO DRAIN, SEE ARCHITECTURAL DRAWINGS.
3. SLAB SHALL BE POURED WITH A MINIMUM SEVEN (7) DAYS LAPSE TIME BETWEEN ADJACENT POURS.

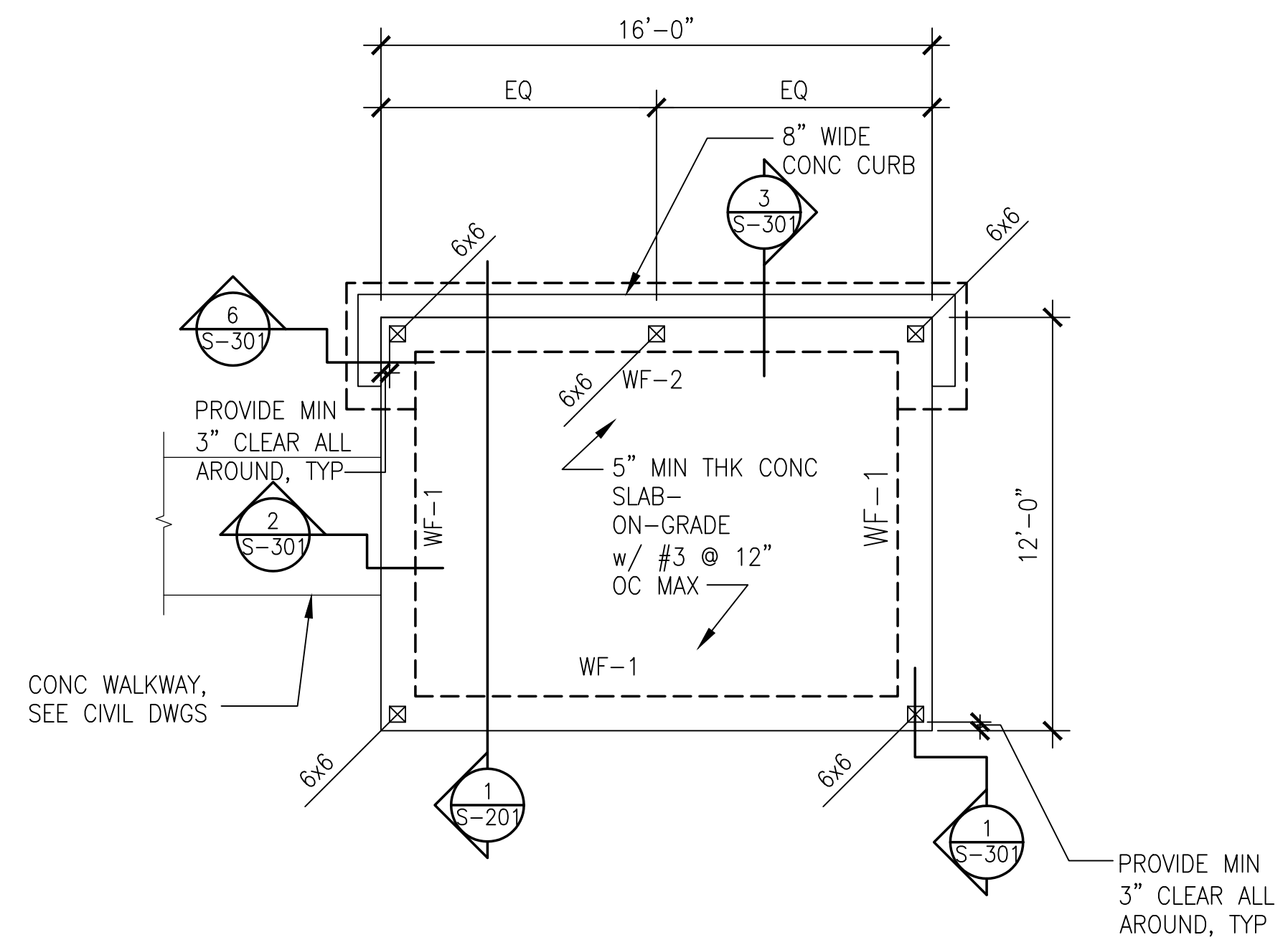
FOUNDATION NOTES:

1. REFERENCE ELEVATION (0.00) = FINISH FLOOR ELEVATION.
2. THICKNESS OF FOOTINGS, SHOWN AS MINIMUM ON FOUNDATION SECTIONS, SHALL BE MAINTAINED AT ALL SLOPED AND DEPRESSED AREAS. SEE 3/S-501 FOR STEP FOOTING DETAIL.
3. BOTTOM OF FOOTING SHALL BE MIN 1'-0" BELOW THE LOWER OF THE REFERENCE ELEVATION OR LOWEST ADJACENT FINISHED GRADE, UNO.
4. FOR DIMENSIONS NOT SHOWN SEE THE ARCHITECTURAL DRAWINGS.



FOUNDATION PLAN – PICNIC AREA 3 (BID ADDITIVE NO. 1)

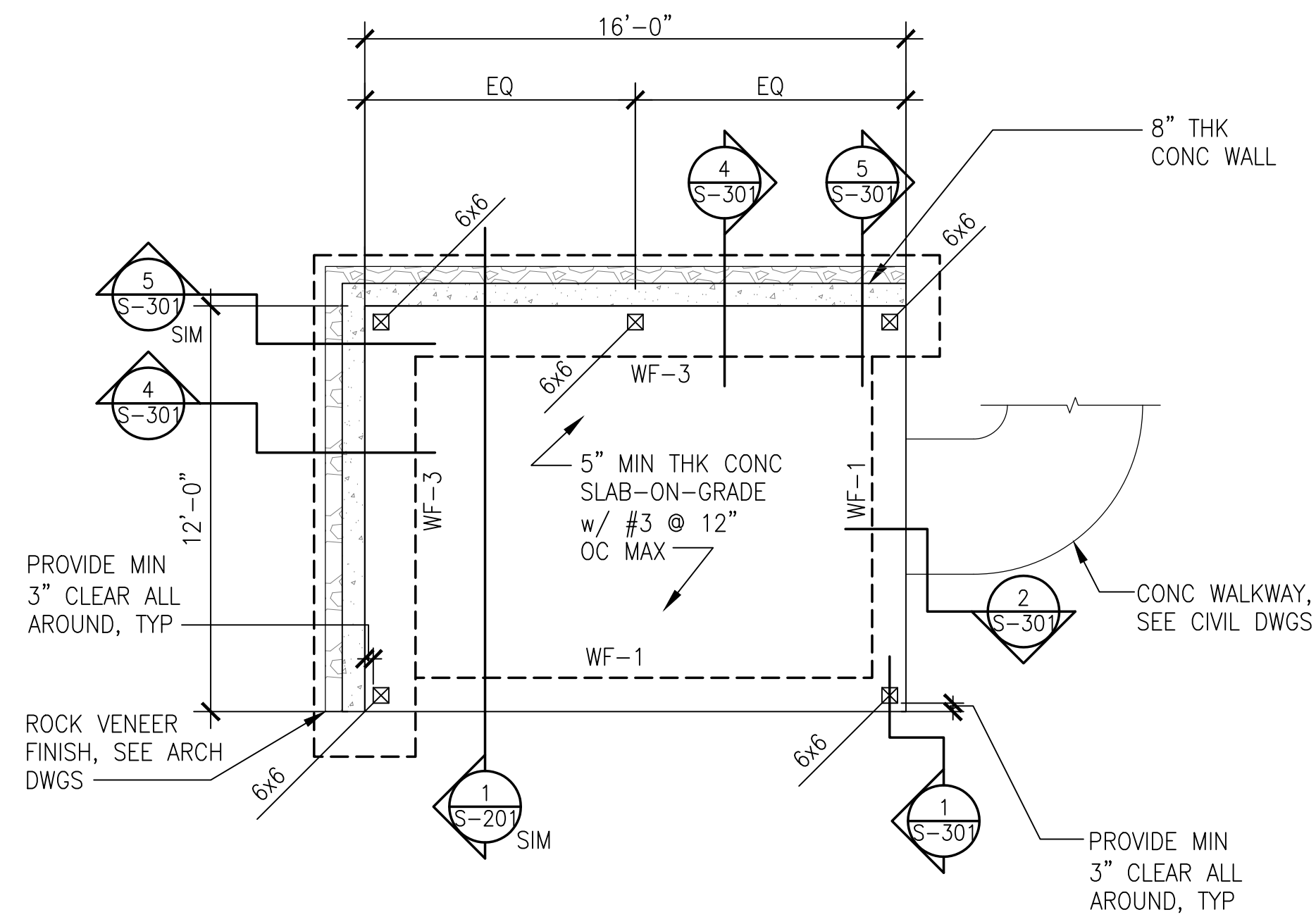
SCALE: 1/4" = 1'-0"
 0 2' 4' 8'



FOUNDATION PLAN – PICNIC AREA 4 (BID ADDITIVE NO. 2)

SCALE: 1/4" = 1'-0"
 0 2' 4' 8'

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII FOUNDATION PLAN PICNIC AREAS 3 & 4					
DESIGNED: DS		SUBMITTED: FEB 2026			
DRAWN: AM		DATE: FEB 2026			
CHECKED: ET		SCALE:			
APPROVED: Dina Lau		E-signed 2026-04-27 09:01PM HST		DRAWING NO.	
CHIEF ENGINEER		dina.u.lau@hawaii.gov		S-103	
		State of Hawaii			



LEGEND:

- INDICATES DEPRESSED SLAB OR CHANGE IN SLAB ELEVATION. SEE ARCH DWGS
- INDICATES CONC WALL OR CURB
- WF-1 INDICATES WALL FOOTING TYPE. SEE FOUNDATION SCHEDULE THIS SHEET.

SLAB ON GRADE NOTES:

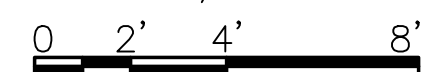
1. THICKNESSES OF SLAB ON GRADE SHOWN ARE MINIMUM AND SHALL BE MAINTAINED AT ALL SLOPED AND DEPRESSED AREAS.
2. FOR FLOOR ELEVATIONS, DEPRESSED SLABS LOCATIONS & SLOPES TO DRAIN, SEE ARCHITECTURAL DRAWINGS.
3. SLAB SHALL BE POURED WITH A MINIMUM SEVEN (7) DAYS LAPSE TIME BETWEEN ADJACENT POURS.

FOUNDATION NOTES:

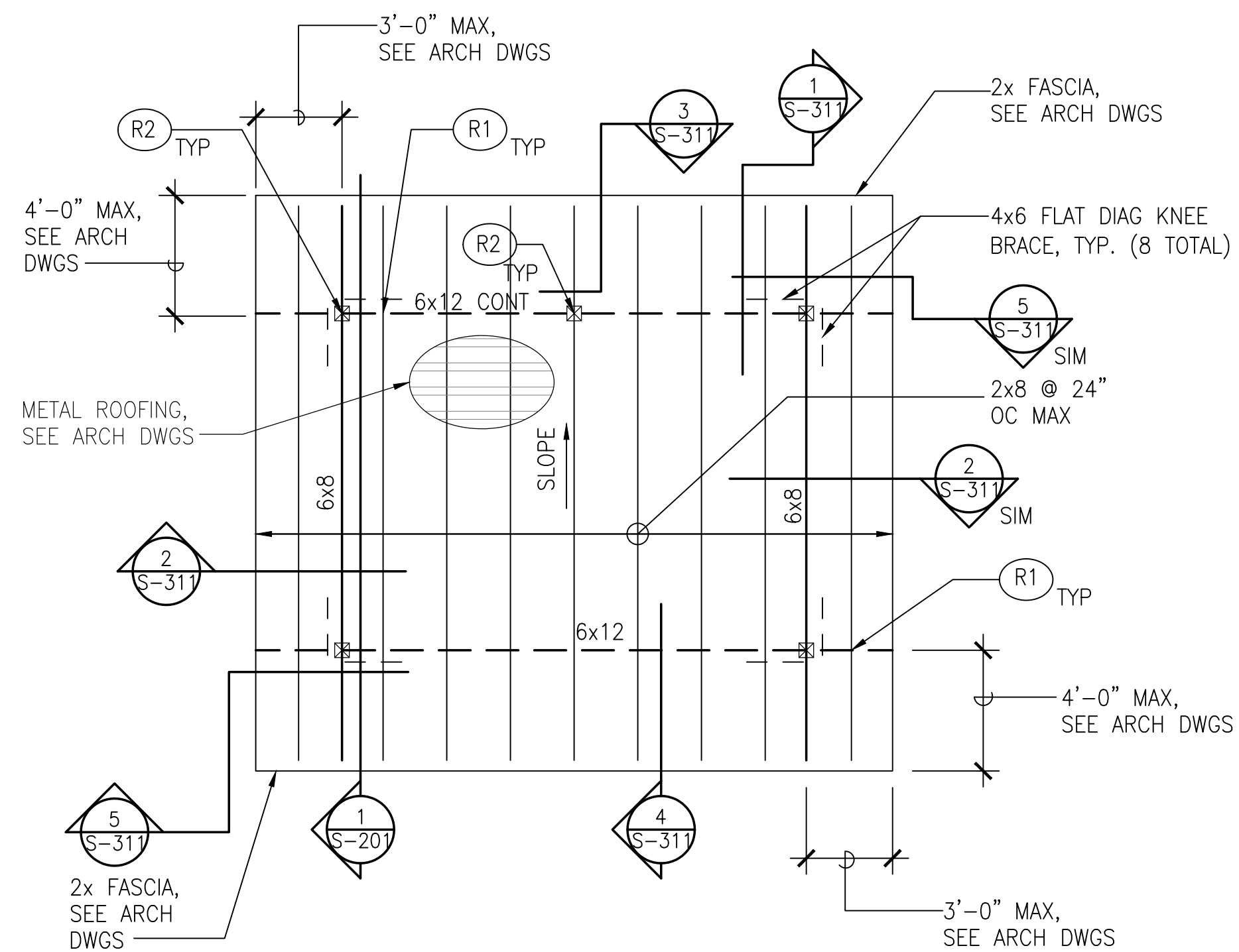
1. REFERENCE ELEVATION (0.00) = FINISH FLOOR ELEVATION.
2. THICKNESS OF FOOTINGS, SHOWN AS MINIMUM ON FOUNDATION SECTIONS, SHALL BE MAINTAINED AT ALL SLOPED AND DEPRESSED AREAS. SEE 3/S-501 FOR STEP FOOTING DETAIL.
3. BOTTOM OF FOOTING SHALL BE MIN 1'-0" BELOW THE LOWER OF THE REFERENCE ELEVATION OR LOWEST ADJACENT FINISHED GRADE, UNO.
4. FOR DIMENSIONS NOT SHOWN SEE THE ARCHITECTURAL DRAWINGS.

FOUNDATION PLAN – PICNIC AREA 5 (BID ADDITIVE NO.3)

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



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII FOUNDATION PLAN PICNIC AREA 5					
DESIGNED: DS		SUBMITTED: FEB 2026			
DRAWN: AM		DATE: FEB 2026			
CHECKED: ET		SCALE:			
APPROVED: Dina Lau		E-signed 2026-04-27 09:01PM HST		DRAWING NO.	
CHIEF ENGINEER		dina.lau@hawaii.gov		S-104	
		State of Hawaii			



TYPICAL ROOF FRAMING PLAN

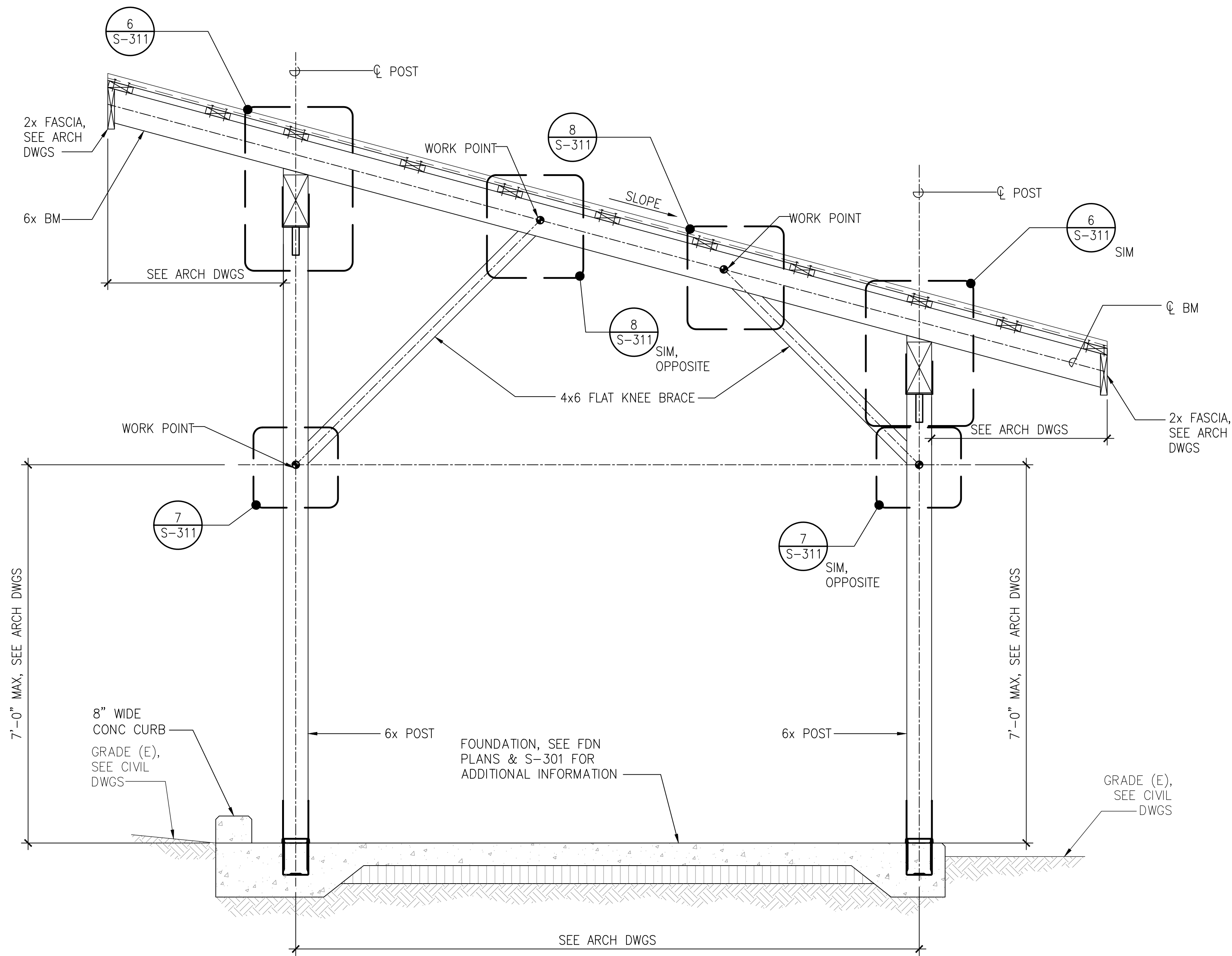
SCALE: 1/4" = 1'-0"
 0 2' 4' 8'

LEGEND:

- (R1) INDICATES ROOF CONNECTOR TYPE. SEE ROOF CONNECTOR SCHEDULE, THIS SHEET.
- INDICATES 6x BEAM BELOW.

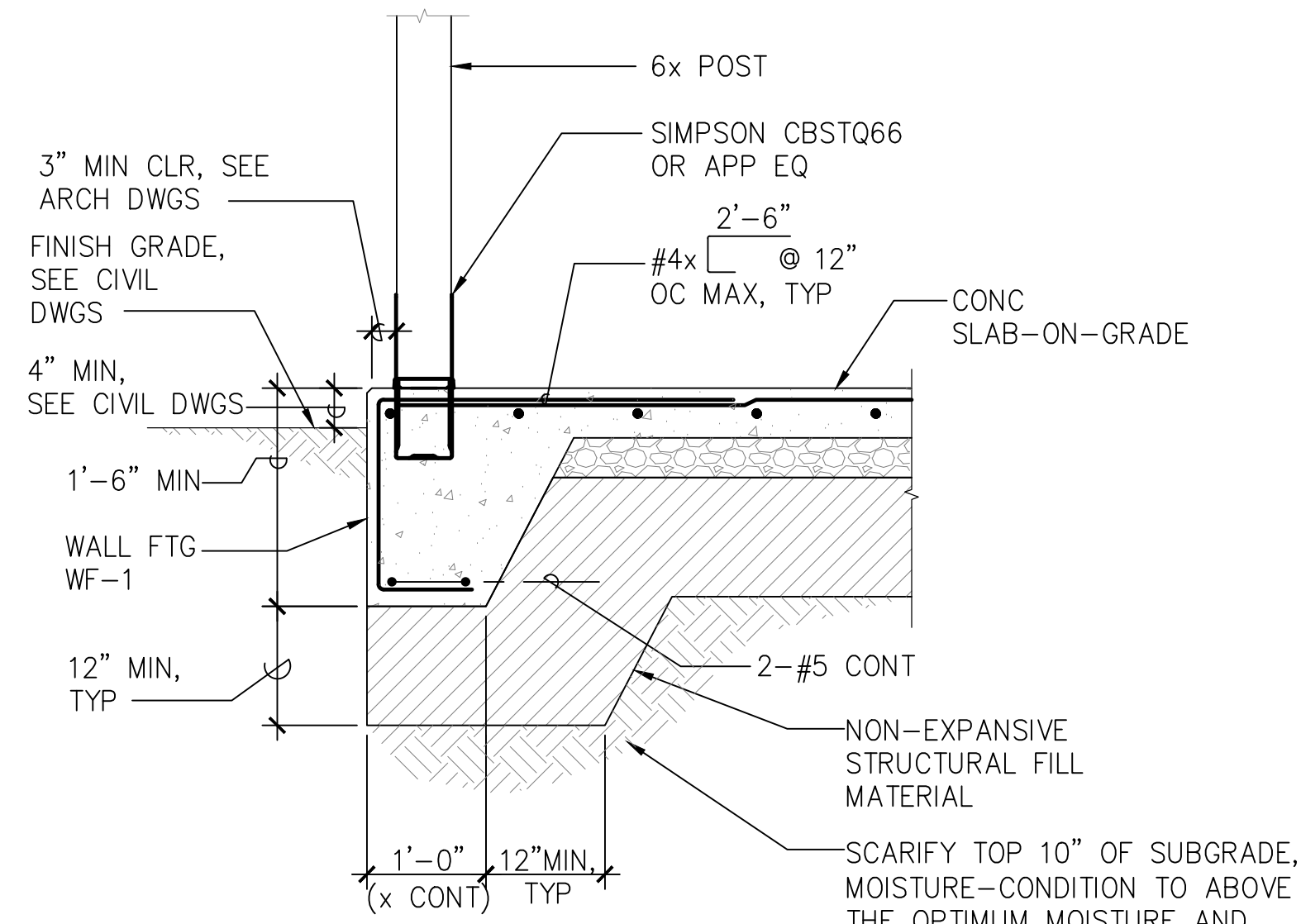
ROOF CONNECTOR SCHEDULE		
MARK	CONNECTOR TYPE	REMARKS
(R1)	TYPE 316/316L STAINLESS STEEL SIMPSON H2.5A	2x RAFTER TO 6x BEAM BELOW
(R2)	TYPE 316/316L STAINLESS STEEL SIMPSON CCQ66SDS2.5	6x TO 6x POST BELOW

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII TYPICAL ROOF FRAMING PLAN					
		DESIGNED: DS DRAWN: AM CHECKED: ET		SUBMITTED: FEB 2026 DATE: FEB 2026 SCALE:	
APPROVED: <i>Dina Lau</i> CHIEF ENGINEER		Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii		DRAWING NO. S-105	



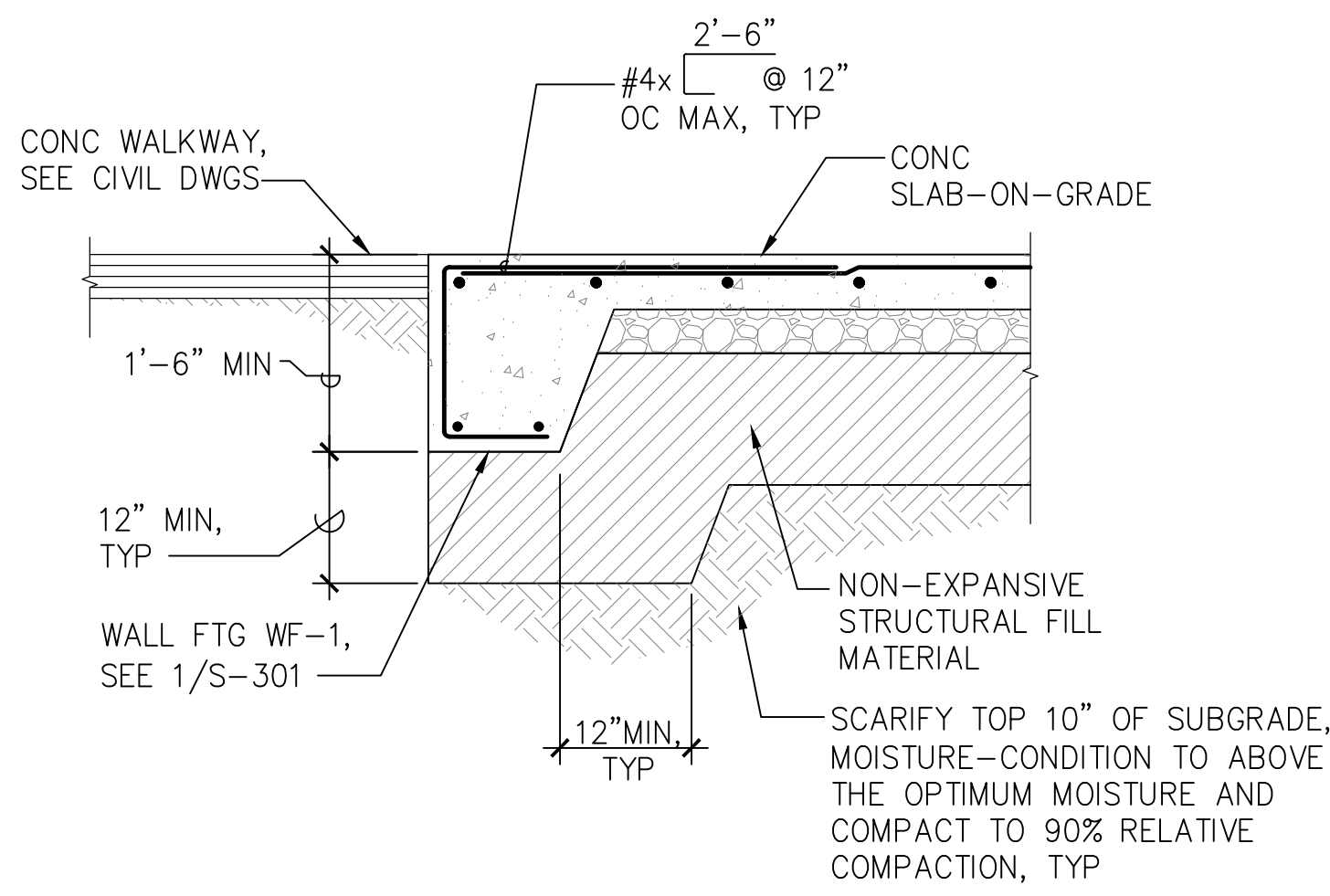
1 SECTION
S-201 SCALE: 3/4" = 1'-0"
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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII SECTION					
		DESIGNED: DS DRAWN: AM CHECKED: ET APPROVED: Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii CHIEF ENGINEER	SUBMITTED: FEB 2026 DATE: FEB 2026 SCALE:	DRAWING NO. S-201	



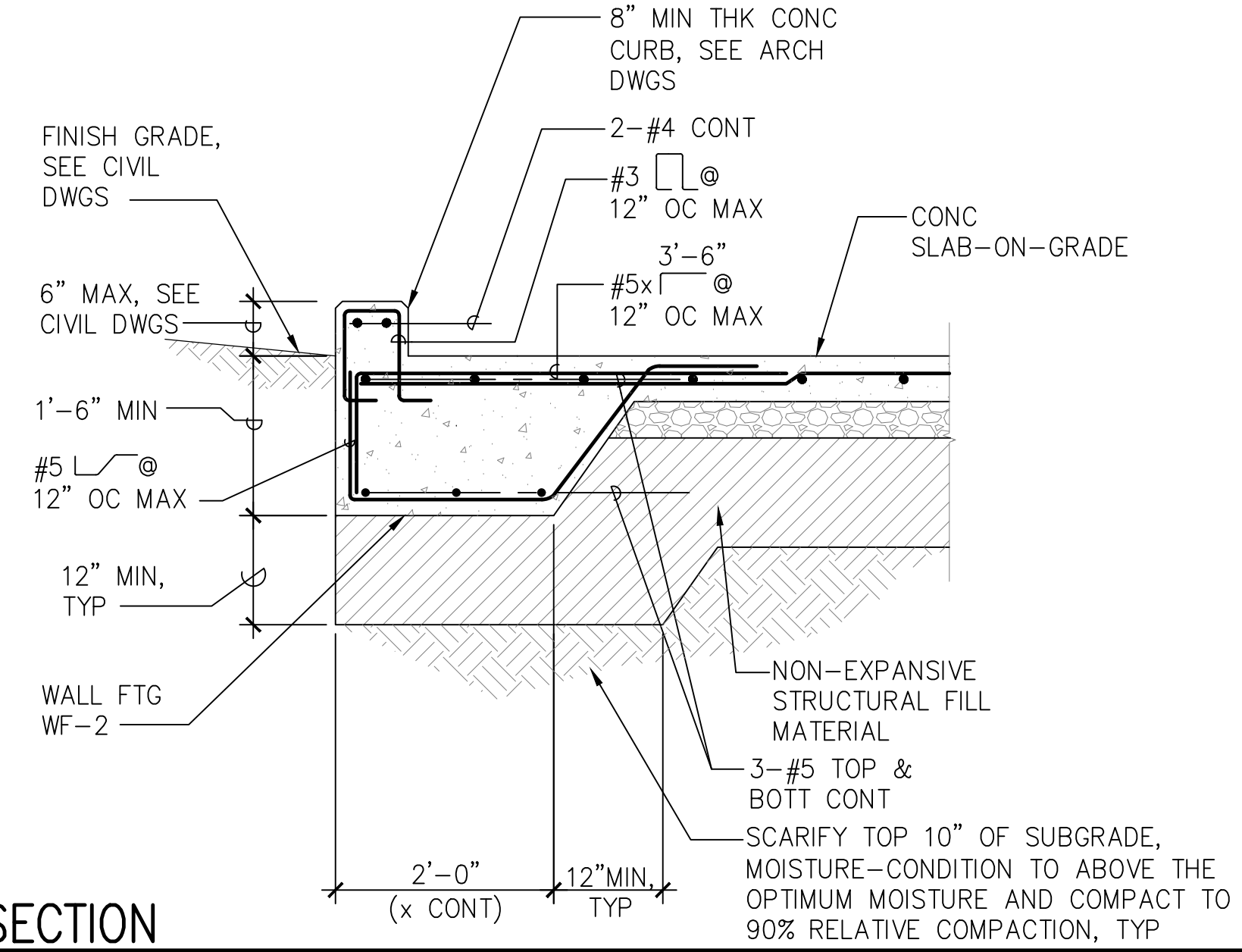
1 SECTION
S-301

SCALE: 3/4" = 1'-0"
0 1' 2' 4'



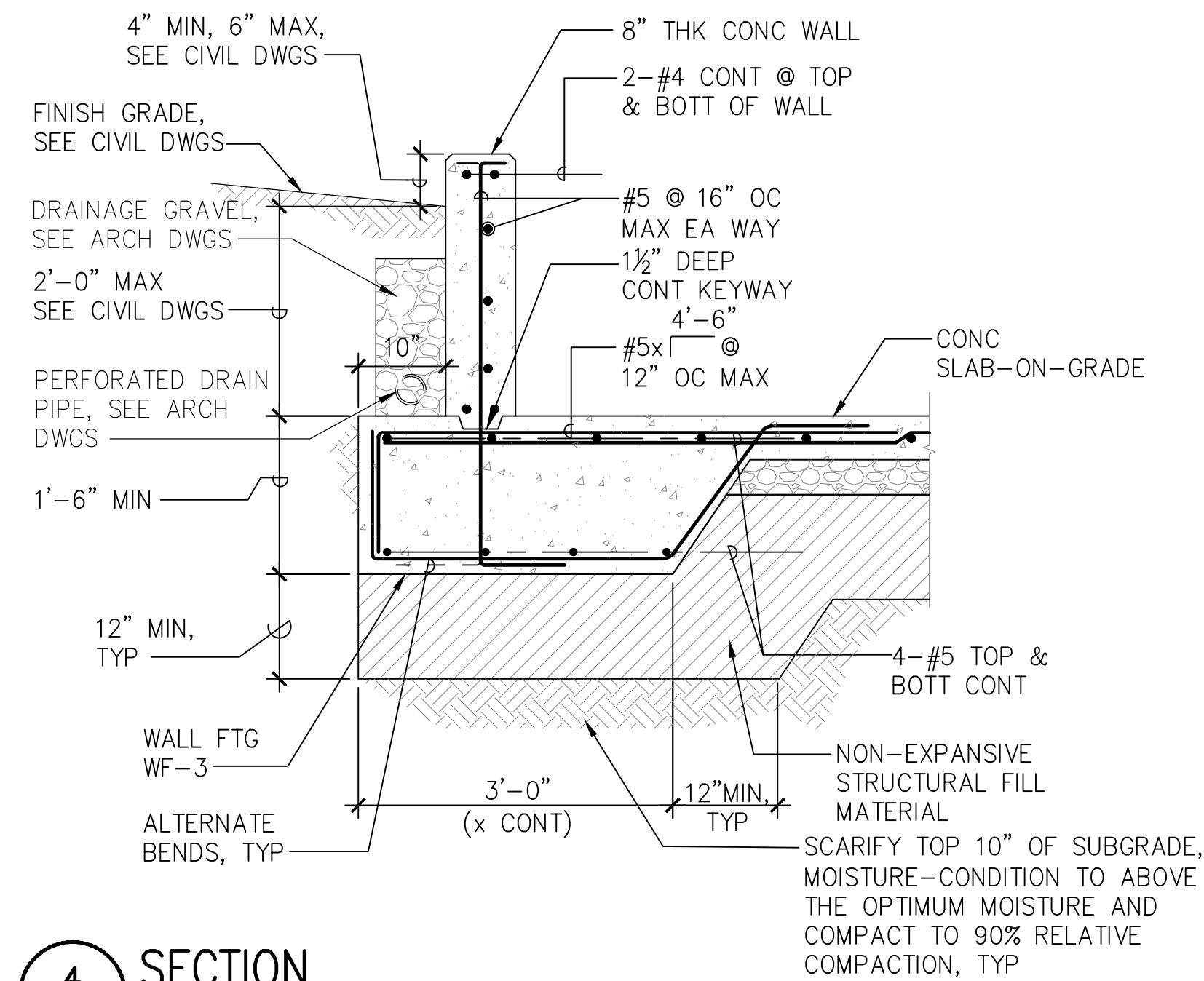
2 SECTION
S-301

SCALE: 3/4" = 1'-0"
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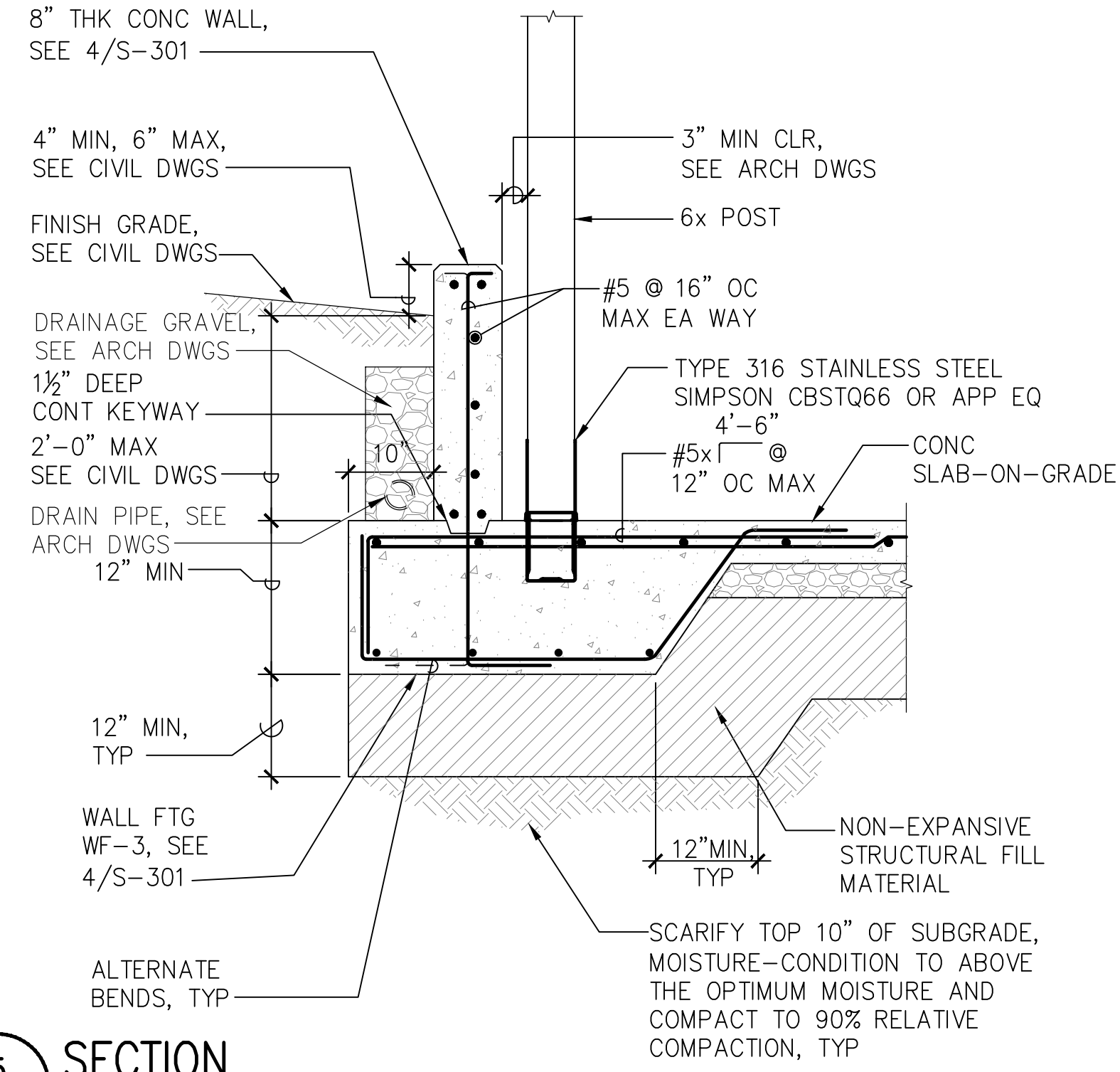
3 SECTION
S-301

SCALE: 3/4" = 1'-0"
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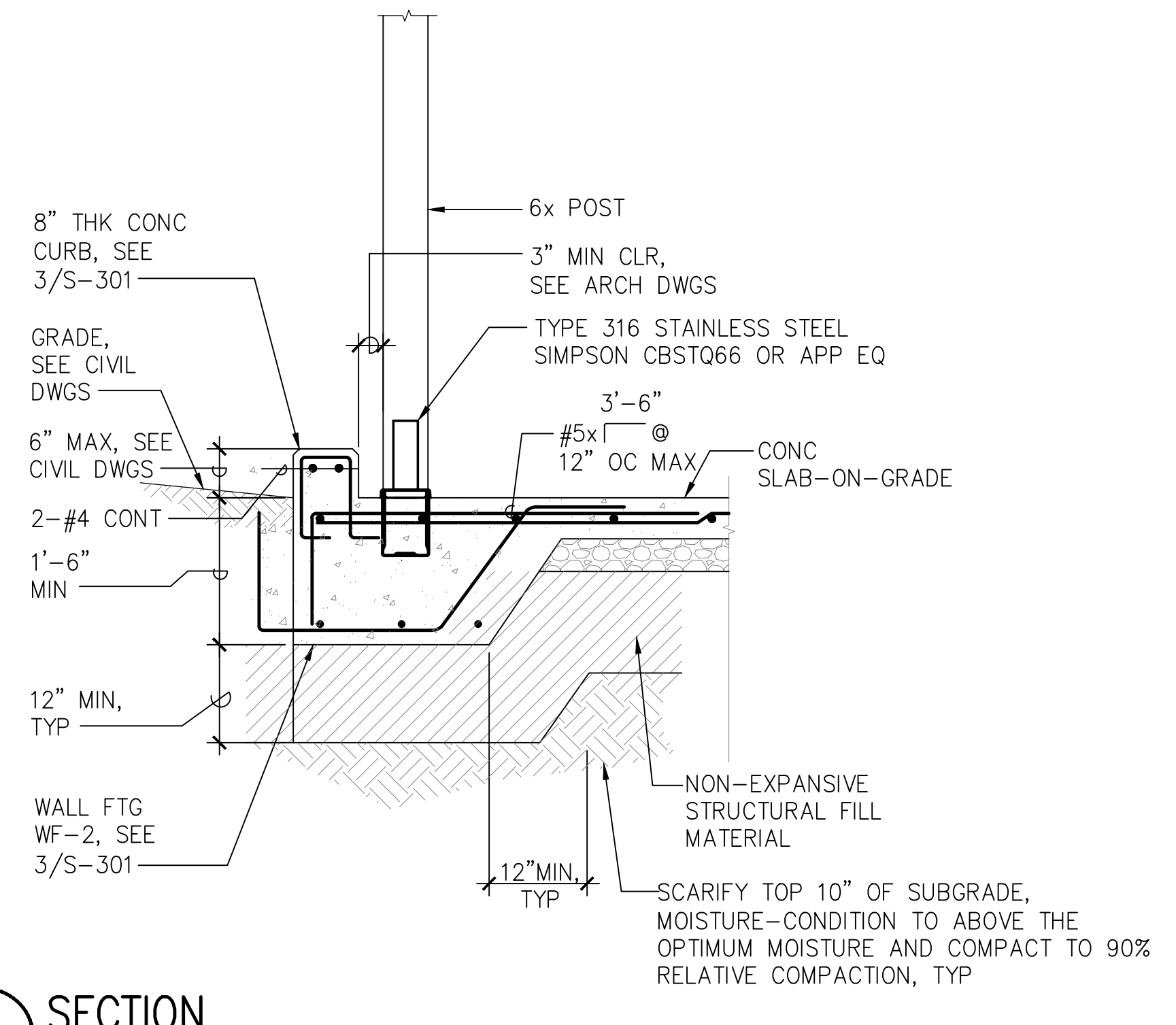
4 SECTION
S-301

SCALE: 3/4" = 1'-0"
0 1' 2' 4'



5 SECTION
S-301

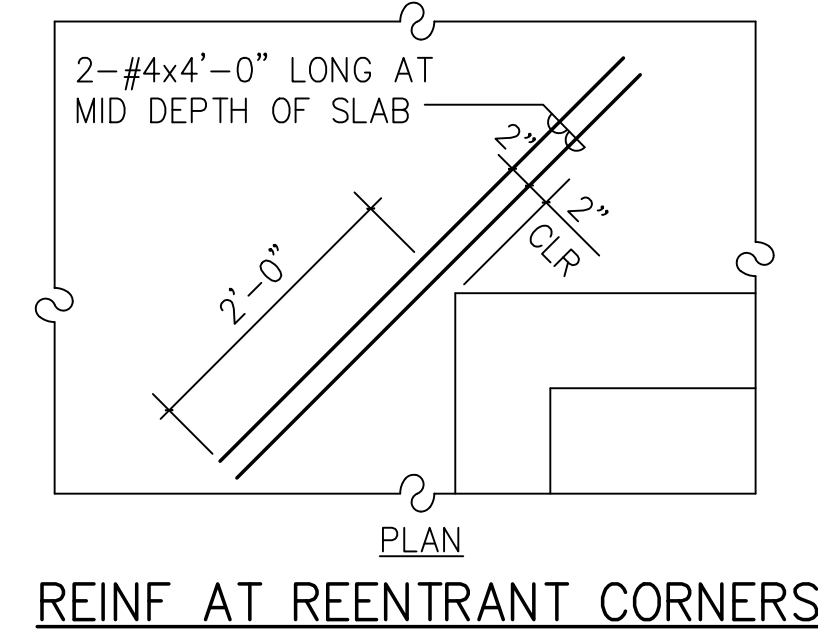
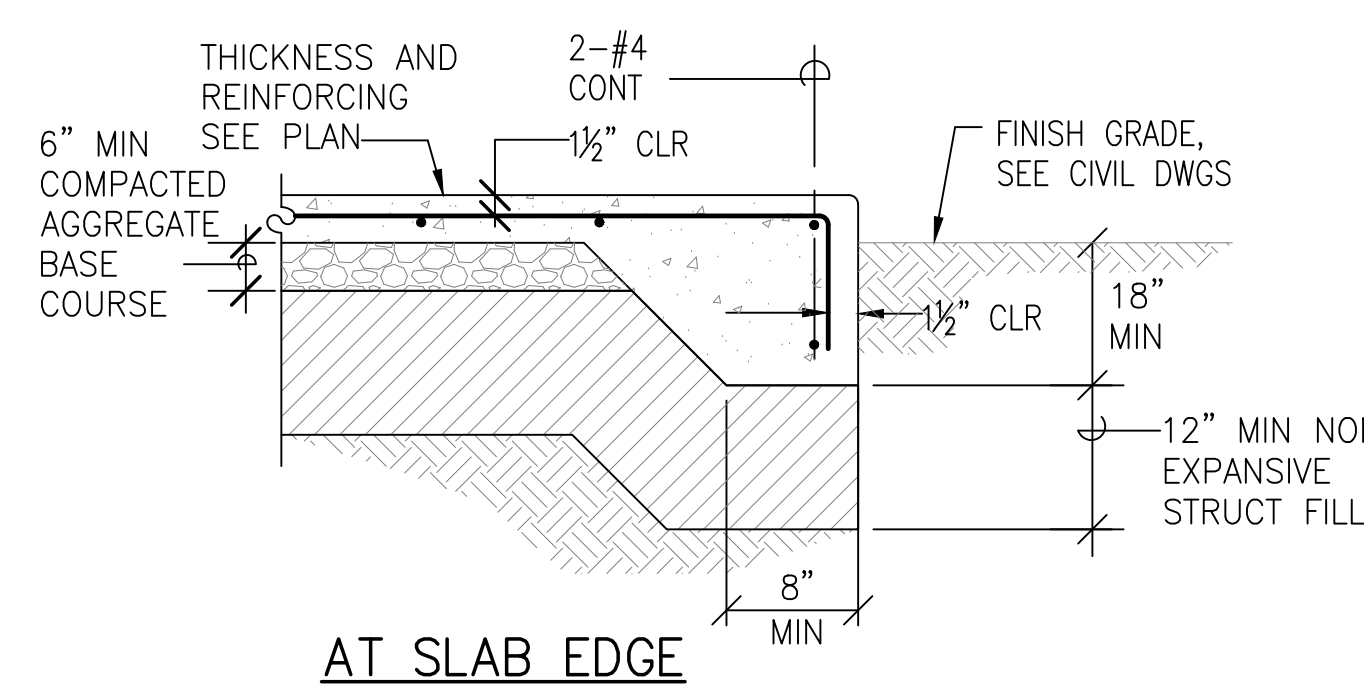
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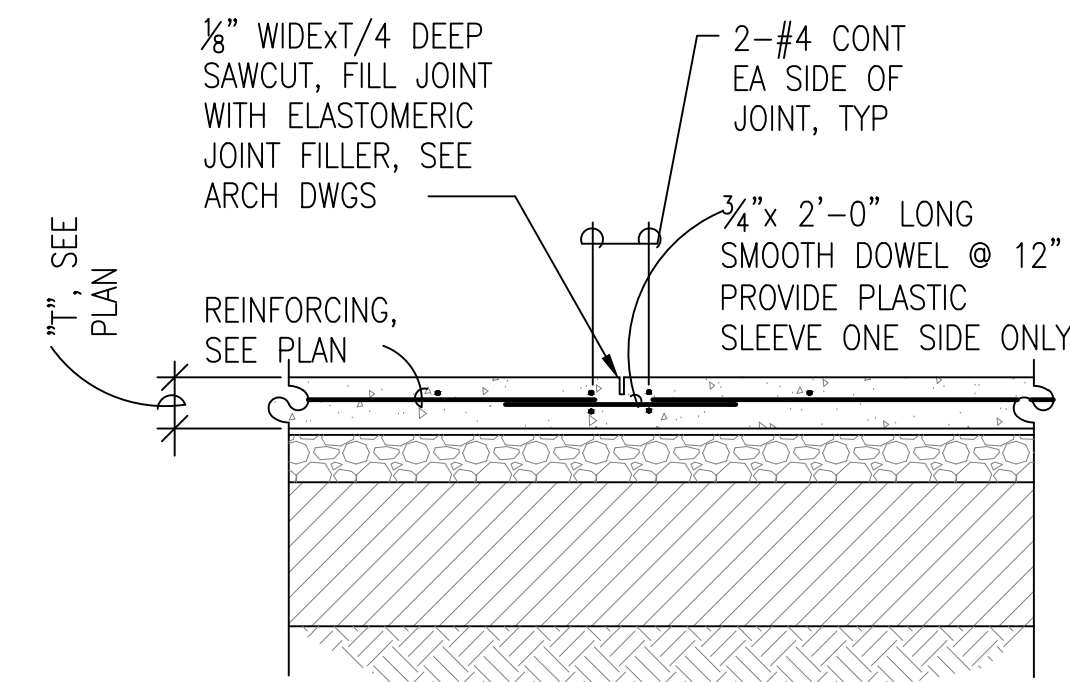
6 SECTION
S-301

SCALE: 3/4" = 1'-0"
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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII SECTIONS					
DESIGNED: DS		SUBMITTED: FEB 2026		DATE: FEB 2026	
DRAWN: AM		CHECKED: ET		SCALE:	
APPROVED: Dina Lau		E-signed 2026-04-27 09:01PM HST		DRAWING NO. S-301	
CHIEF ENGINEER		Civil Engineer		SHEET NO. 27 OF 32 SHEETS	



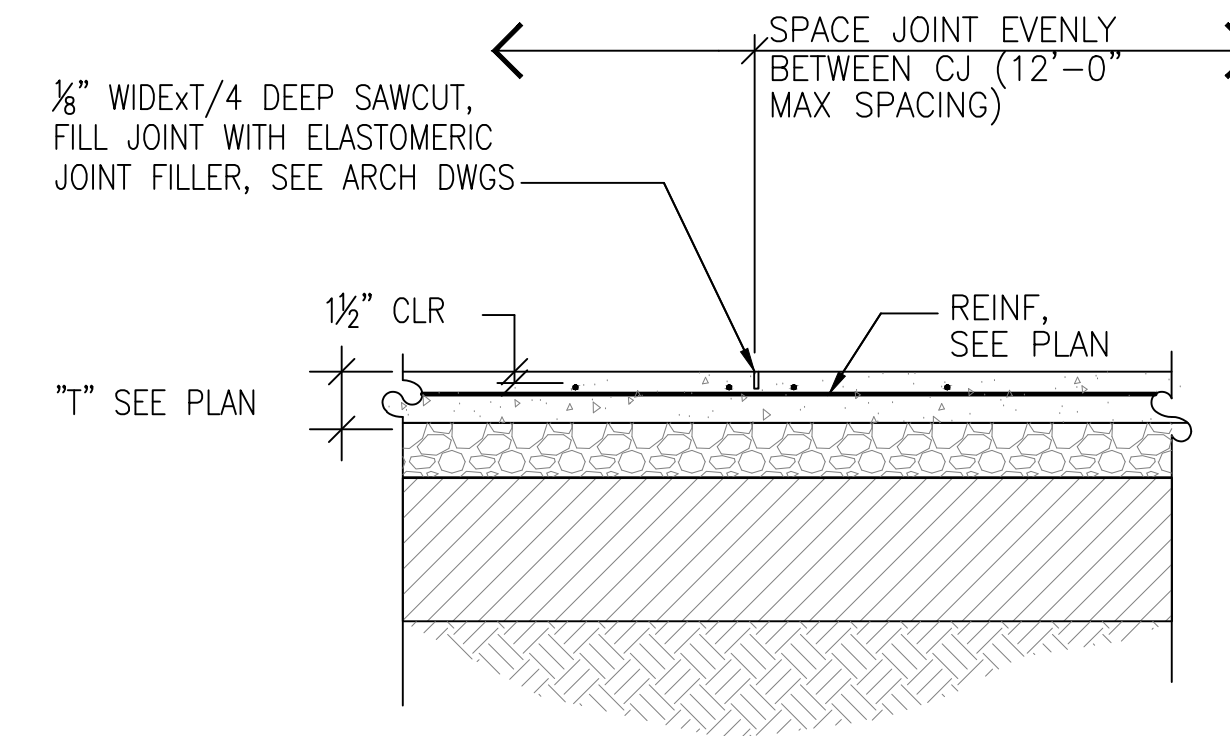
REINF AT REENTRANT CORNERS



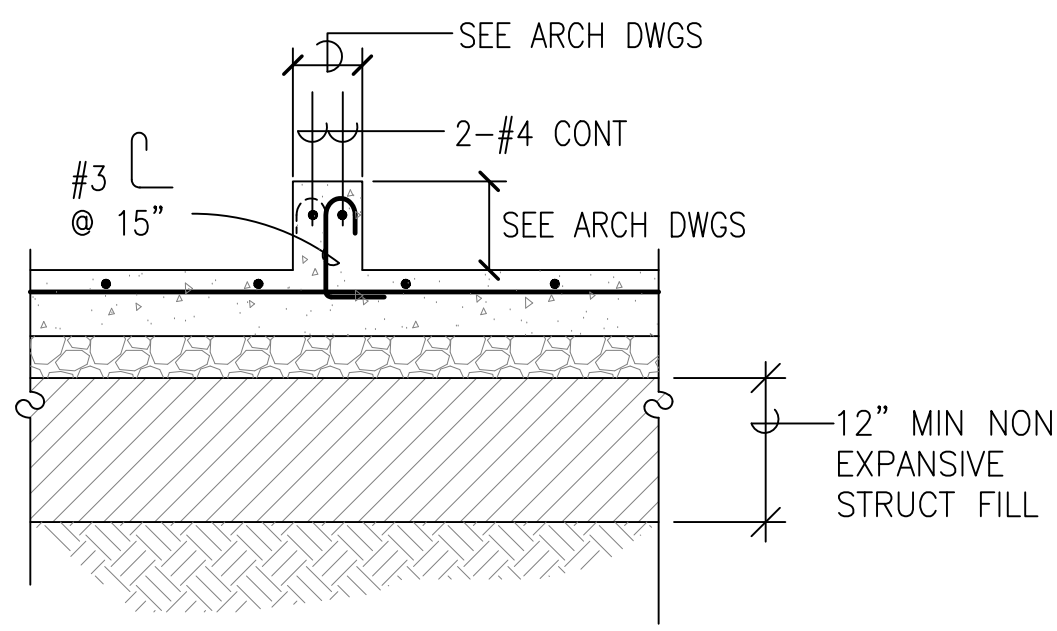
CONTROL JOINT - CJ-1

(PROVIDE PERPENDICULAR TO CONSTRUCTION JOINTS AND CONTROL JOINTS)

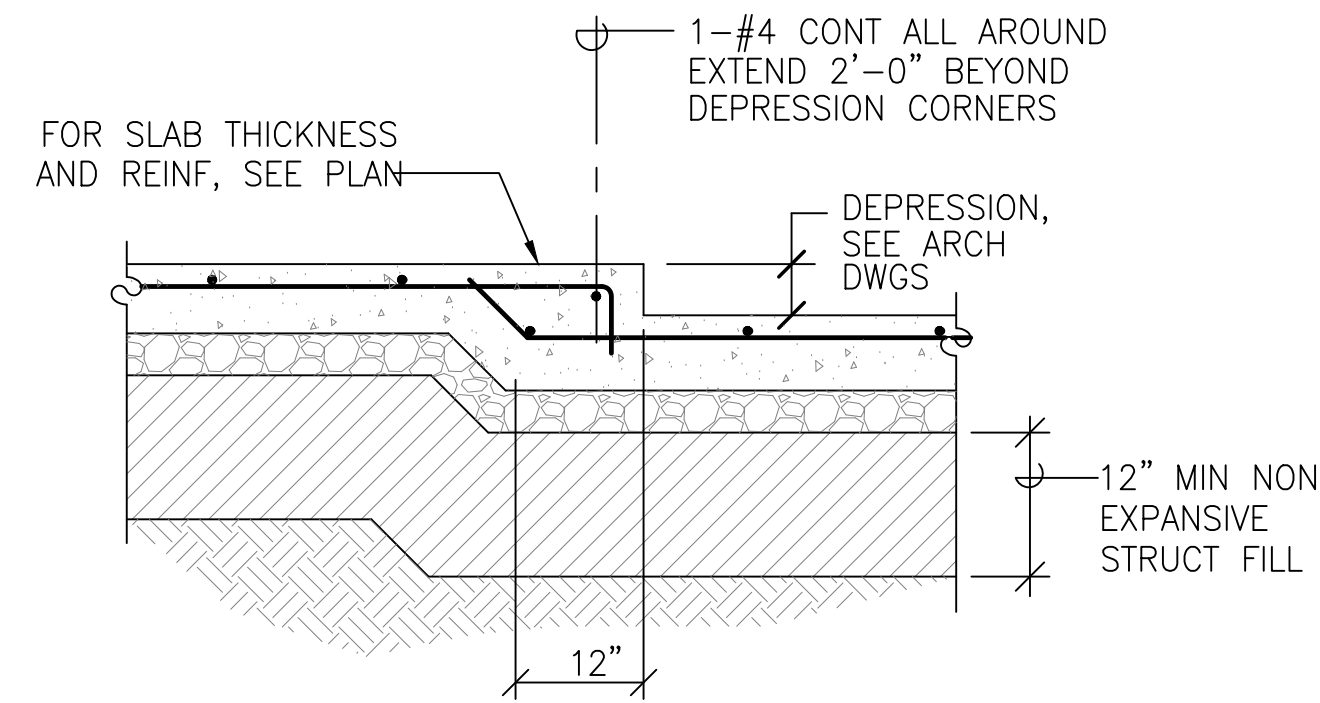
NOTE:
 SAW CUTTING SHALL OCCUR AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH TO NOT BE TORN BY CUTTING BLADE AND BEFORE SHRINKAGE CRACKING OCCURS, BUT NO LATER THAN 12 HOURS AFTER CONCRETE HAS BEEN POURED.



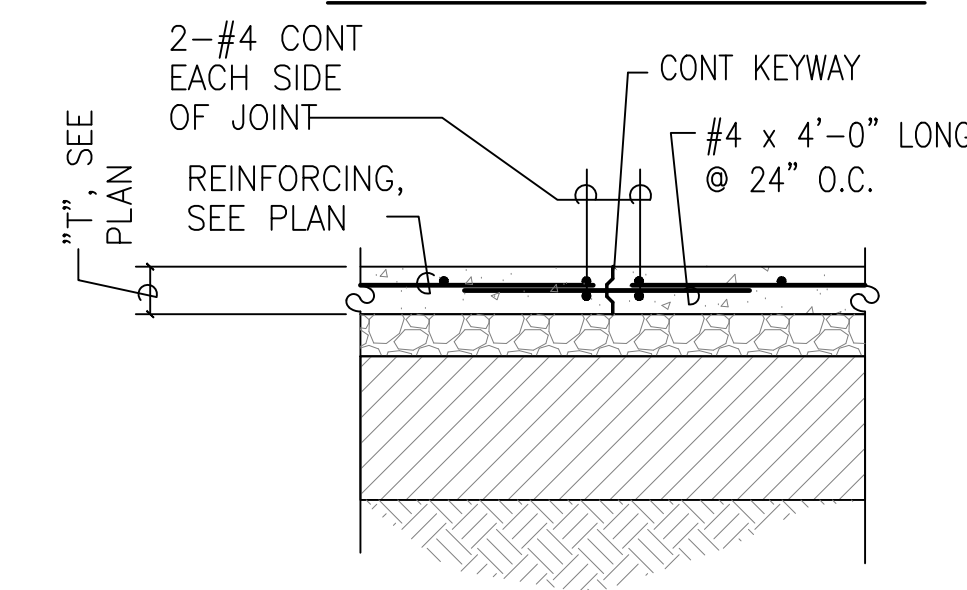
SAWCUT JOINT



AT CURB (< 6" WIDTH)



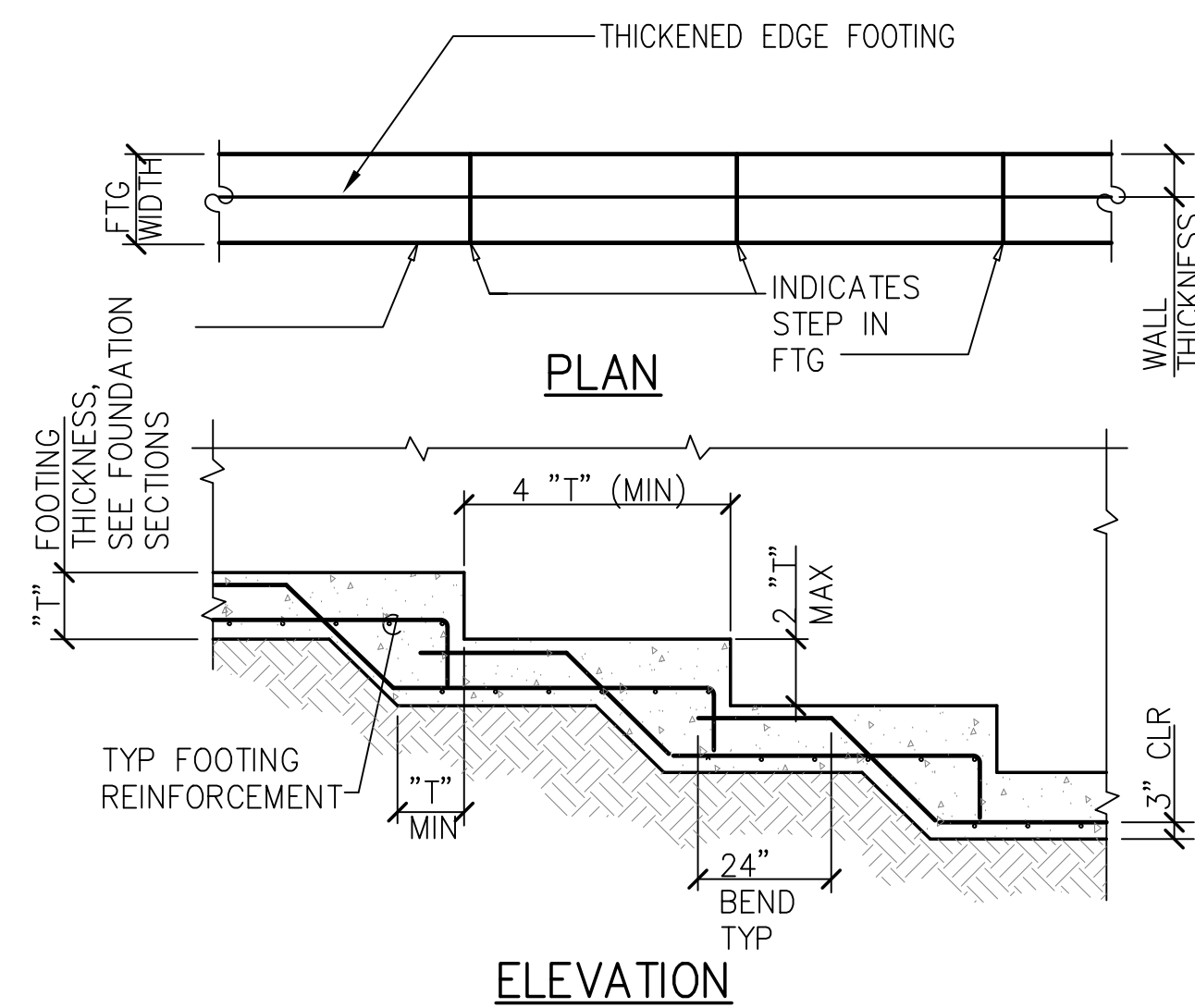
AT DEPRESSED SLAB



CONSTRUCTION JOINT- CJ-2

1 TYPICAL SLAB-ON-GRADE DETAILS
 S-501 NOT TO SCALE

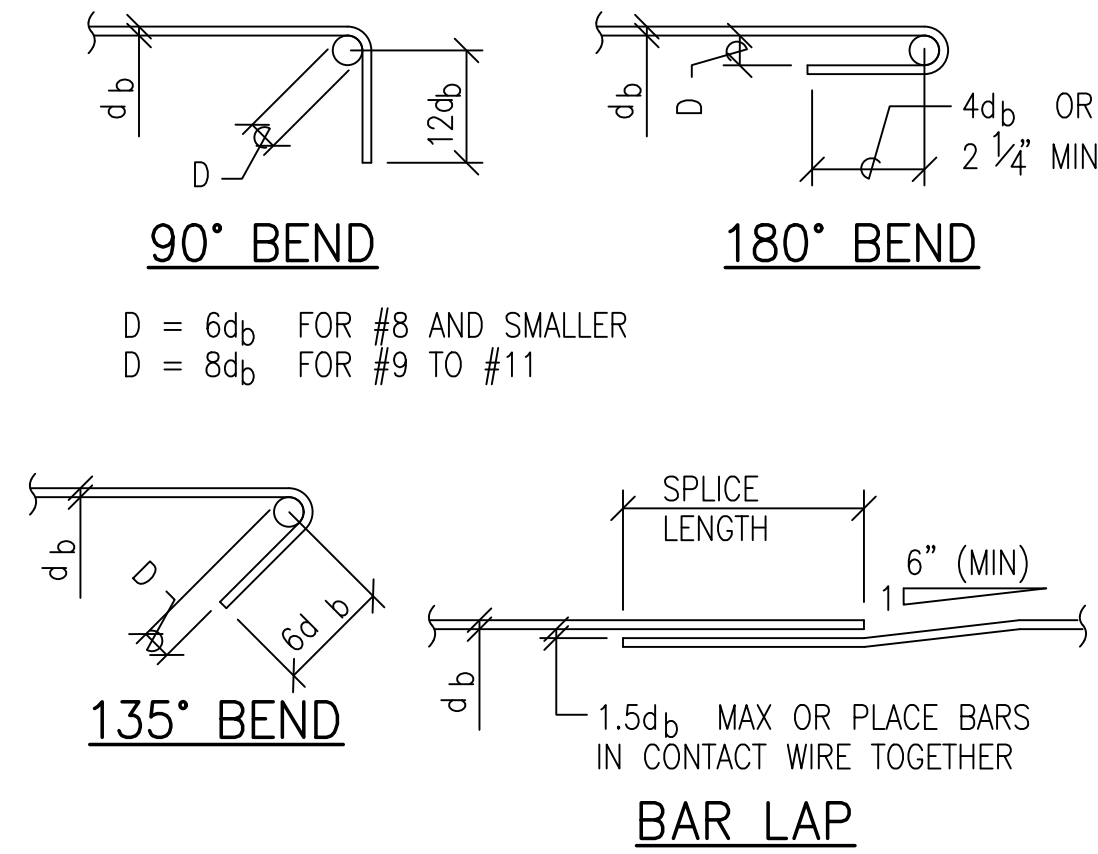
2 TYPICAL SLAB JOINT DETAIL
 S-501 NOT TO SCALE



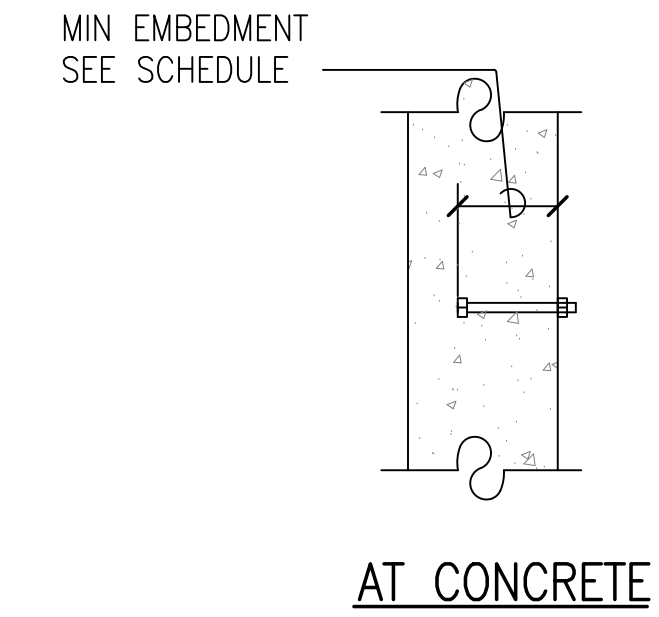
3 TYPICAL STEPPED FOOTING DETAIL
 S-501 NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII					
TYPICAL DETAILS					
DESIGNED:	DS	SUBMITTED:	FEB 2026	[Signature]	
DRAWN:	AM	DATE:	FEB 2026		
CHECKED:	ET	SCALE:			
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii			DRAWING NO. S-501	
CHIEF ENGINEER				Civil Engineer	

MINIMUM SPLICE & EMBEDMENT LENGTHS STAINLESS STEEL REINFORCING					
BAR SIZE	LAP SPLICE		EMBEDMENT		
	BOT BAR OR WALL BAR	TOP BAR	STRAIGHT	TOP BAR	W/ STD HOOK
			BOT BAR OR WALL BAR		
#3, #4	35"	50"	27"	38"	14"
#5	44"	62"	34"	48"	17"
#6	52"	74"	40"	57"	21"
#7	76"	108"	58"	82"	24"
#8	87"	123"	66"	94"	38"
#9	98"	138"	75"	106"	43"
#10	110"	155"	84"	119"	48"
#11	122"	172"	94"	133"	53"



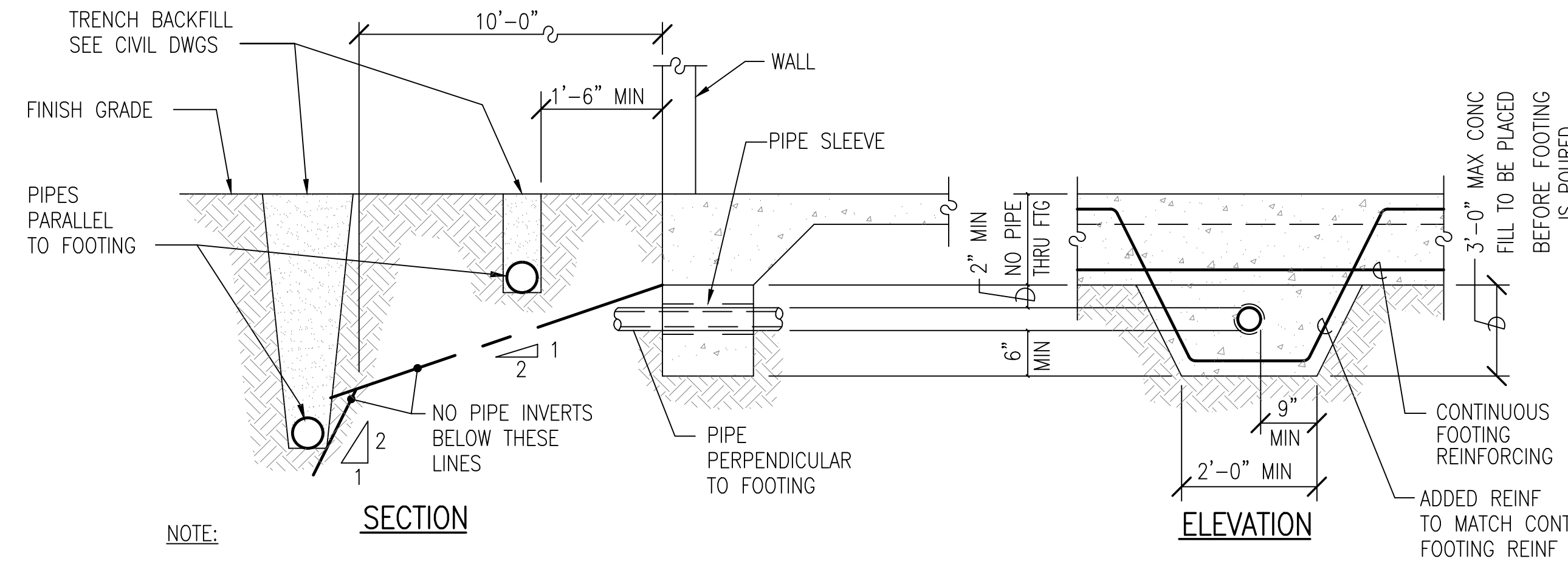
BOLT DIAMETER	MINIMUM EMBEDMENT
1/2"	4"
5/8"	5"
3/4"	6"



NOTES:

- LENGTHS ARE FOR CONCRETE WITH REBAR SPACED 6 BAR DIAMETERS MIN OC. INCREASE BAR LENGTH 25% FOR BARS SPACED LESS THAN 6 BAR DIAMETERS OC.
- "TOP BARS" ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW.

1 TYPICAL REBAR SPLICE AND EMBEDMENT LENGTH SCHEDULE
S-502 NOT TO SCALE



NOTE:

- FOR PIPE PERPENDICULAR TO FOOTING MORE THAN 3'-0" BELOW BOTTOM OF FOOTING, TRENCH MAY BE BACKFILLED WITH COMPACTED FILL. SEE CIVIL DRAWINGS
- DEPTH OF FOOTING MAY BE AFFECTED BY LOCATION OF PIPES. GENERAL CONTRACTOR SHALL DETERMINE EXACT DEPTH AND LOCATION OF PIPES PRIOR TO EXCAVATION FOR FOOTINGS.

3 TYPICAL PIPE AT FOOTING DETAIL
S-502 NOT TO SCALE

2 TYPICAL ANCHOR BOLT DETAIL
S-502 NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII					
TYPICAL DETAILS					
DESIGNED: DS		SUBMITTED: FEB 2026		AM	
DRAWN: AM		DATE: FEB 2026		ET	
CHECKED: ET		SCALE:		DRAWING NO.	
APPROVED: Dina Lau		E-signed 2026-04-27 09:01PM HST		S-502	
CHIEF ENGINEER		dina.lau@hawaii.gov		Civil Engineer	

BIOSECURITY NOTES

- PRIOR TO ENTERING THE JOB SITE, ALL EQUIPMENT AND FOOTWEAR SHALL BE WASHED WITH POTABLE WATER TO PREVENT EXOTIC PLANTS AND SEEDS FROM BEING INTRODUCED TO THE JOB SITE/AREA.
- INSPECT AND CLEAN ALL EQUIPMENT, GEAR, AND VEHICLES (PERSONAL AND PROJECT) THAT ENTER OR EXIT THE JOB SITE.
- ENSURE THAT ALL EQUIPMENT, GEAR, AND VEHICLES ARE FREE OF ANY PLANT, ANIMAL, OR EARTHEN MATERIALS PRIOR TO ENTERING THE JOB SITE. ALL EQUIPMENT, GEAR, AND VEHICLES SHALL BE INSPECTED AND CLEANED BEFORE ENTERING THE JOB SITE, AND BEFORE LEAVING ANY WEED INFECTED/CONTAMINATED AREA TO PREVENT TRACKING IN HARMFUL ORGANISMS (E.G.: WEEDS, INSECTS, PESTS) AND PREVENT SPREAD TO PRISTINE AND HEALTHY FOREST AREAS. EQUIPMENT TO INSPECT AND CLEAN INCLUDE BUT IS NOT LIMITED TO:
 - VOLCANIC CINDER ON CLOTHES & FOOTWEAR (TREADS, LACES, BOOT TONGUES), SOCKS, PANT LEGS, POCKETS, JACKETS, RAIN GEAR (POCKETS AND CUFFS)
 - ROACHES, ANTS AND OTHER PESTS ON EQUIPMENT & SUPPLIES-TOOLS, TOOL BAGS, BACKPACKS & BAGS (FOLDS, POCKETS, VELCRO), WOOD AND BUILDING MATERIALS, FENCING MATERIALS, BOTTOMS OF PLASTIC BUCKETS, CARDBOARD BOXES, OPEN FOOD AND WATER CONTAINERS, TENTS, HAMMOCKS, TARPS, HELICOPTER SLING NETS, CHAINSAW BLADES.
 - VEHICLES - THE INSIDE OF THE VEHICLES SHOULD BE VACUUMED AND THE TRUCK BEDS SWEEPED OUT REGULARLY, ESPECIALLY IF USED OFF-ROAD. CLEAN PLACES SUCH AS THE INSIDE LIP OF BUMPERS, SEATS, FLOORS, DASHBOARDS, DOOR JAMBS, TIRES (ESPECIALLY TIRE TREADS), AND THE UNDERCARRIAGE.
 - HEAVY EQUIPMENT, TRUCKS, ALL TYPES OF EARTHMOVING CONSTRUCTION EQUIPMENT AND GENERAL CONSTRUCTION EQUIPMENT AND SUPPLIES.
 - OTHER- ENSURE SOIL IS STERILE AND FREE OF INSECTS, WEEDS, AND PATHOGENS. ANYTHING SUSPICIOUS SHOULD NOT BE TAKEN ONTO THE JOB SITE.
- ON A DAILY BASIS, PACK AND REMOVE ALL TRASH, INCLUDING ANY DISCARDED FOOD, FROM THE JOB SITE TO PREVENT NEGATIVELY AFFECTING THE FLORA AND FAUNA AT THE FIELD SITE. (*DISCARDED FOOD MAY CONTAIN UNSEEN INSECTS, FUNGUS, BACTERIA, AND PARASITES; AND IS AN ATTRACTANT FOR INVASIVE INSECTS).

DEMOLITION NOTES

- CLEAR AND GRUB ALL NEWLY PLANTING AREAS TO BE FREE OF WEEDS, DEBRIS, AND MISCELLANEOUS CONSTRUCTION MATERIALS.
- REMOVE WEEDS, INCLUDING THE ROOT SYSTEM AND DISPOSE OF THEM OFF SITE.

WATERING NOTES

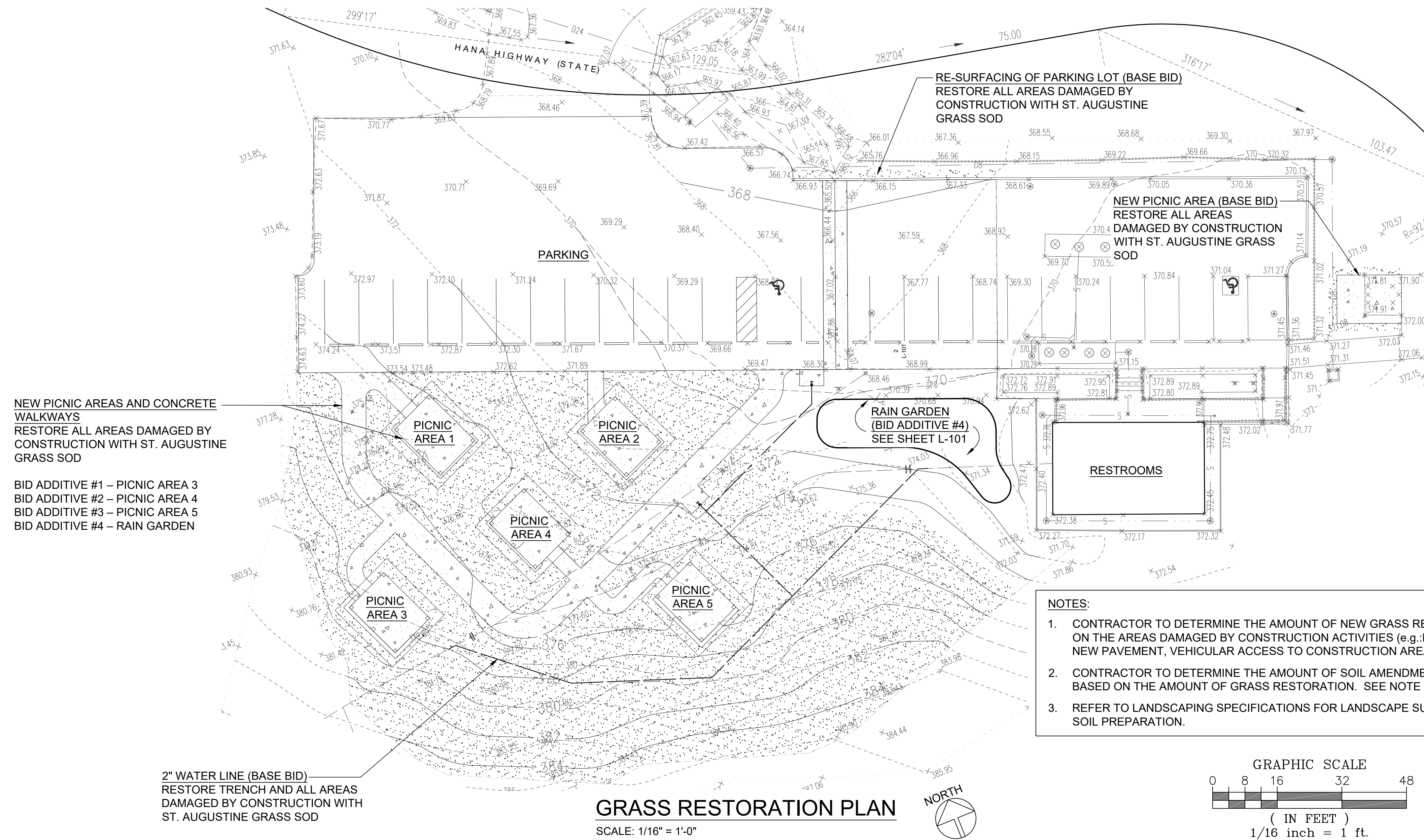
- ALL NEWLY LANDSCAPED AREAS SHALL BE WATERED AT THE TIME OF PLANTING (AND SUBSEQUENT DAYS AFTER) TO PROVIDE ROOT ESTABLISHMENT AND OPTIMAL GROWTH. DAILY OR ROUTINE WATERING, AND WATERING SCHEDULES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR MAY INSTALL AN ABOVE GROUND, TEMPORARY IRRIGATION SYSTEM AT THEIR DISCRETION. TEMPORARY IRRIGATION SYSTEM TO BE REMOVED WHEN NO LONGER NEEDED OR JUST PRIOR TO PROJECT ACCEPTANCE (WHICHEVER IS EARLIER.)
- CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND OBSERVE ALL LOCAL CODES & REGULATIONS.
- OBTAIN AND PAY FOR ALL REQUIRED PERMITS FROM THE APPROPRIATE GOVERNMENT AGENCIES.
- COMPLY WITH THE APPLICABLE PROVISIONS OF CHAPTER 21, CROSS-CONNECTION AND BACKFLOW CONTROL, OF TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.
- MAKE ARRANGEMENTS FOR TEMPORARY CONSTRUCTION SITE UTILITIES SUCH AS ELECTRICITY, WATER, ETC. AT NO ADDITIONAL COST TO THE STATE.
- PRIOR TO INSTALLING A TEMPORARY IRRIGATION SYSTEM, SUBMIT A PLAN SHOWING THE IRRIGATION COMPONENTS AND WATER SOURCE FOR APPROVAL. INCLUDE PRODUCT LITERATURE (CUT SHEETS) FOR THE COMPONENTS.
- SPRINKLER NOZZLES MUST BE ATTACHED TO A SPRINKLER BODY AND SHALL COMPLY WITH HAWAII ADMINISTRATIVE RULES 196-85 (REQUIRING AN INTEGRAL PRESSURE REGULATOR.)

PLANT NOTES

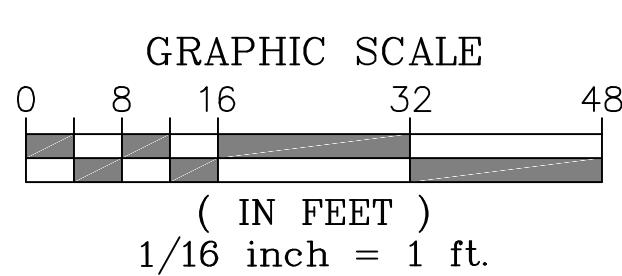
- ALL QUANTITIES SHOWN ON PLANS ARE FOR CONVENIENCE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PLANT MATERIALS AS DEPICTED ON DRAWINGS. LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL PLANT QUANTITIES AND DIMENSIONS PRIOR TO INSTALLATION.
- NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN PLANT LOCATIONS OR INSUFFICIENT PLANT QUANTITIES DUE TO DIFFERENCES IN PLANT AND ACTUAL FIELD CONDITIONS.
- ALL EXISTING UTILITIES, SHOWN ON THE PLANS OR UNCOVERED, SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION.
- RESTORE ALL AREAS DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES, TO EQUAL OR BETTER CONDITION(S), INCLUDING BUT NOT LIMITED TO VEGETATION, PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALKWAYS, FENCES, ETC. UNLESS SPECIFICALLY NOTED OTHERWISE.
- ANY DAMAGED UTILITIES, AS A RESULT OF CONTRACTOR OPERATIONS, SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE STATE.
- IN THE EVENT HUMAN REMAINS, SUCH AS ARTIFACTS, BURIALS, OR CONCENTRATIONS OF SHELL OR CHARCOAL ARE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, WORK SHALL IMMEDIATELY CEASE IN THE VICINITY OF THE ENCOUNTER. NOTIFY THE STATE HISTORIC PRESERVATION DIVISION AT (808) 692-8015, FOR AN ASSESSMENT OF THE ENCOUNTER AND RECOMMENDATIONS ON MITIGATION MEASURES.
- FINE GRADE NEW LAWN AREAS TO CREATE A CONTINUOUS SMOOTH LAWN WITH NO HOLES OR UNDULATING SURFACES.
- FINE GRADE ALL AREAS TO ENSURE PROPER DRAINAGE.
- IN ALL NEW LAWN AREAS, ADD 1" LAYER OF SOIL AMENDMENTS AND TILL TO A DEPTH OF 4 INCHES. NO TILLING IN AREAS STEEPER THAN 30 PERCENT SLOPE.
- WITHIN THE RAIN GARDEN AREA (GROUND COVER BED), INCLUDE RAIN GARDEN SOIL MIX TO A DEPTH OF 18 INCHES. REFER TO PLANT LIST AND LANDSCAPE SPECIFICATIONS.
- TOP DRESS ALL AREAS IN THE GROUND COVER BED WITH 1" LAYER OF BLACK CINDER.

PLANT ESTABLISHMENT & MAINTENANCE NOTES

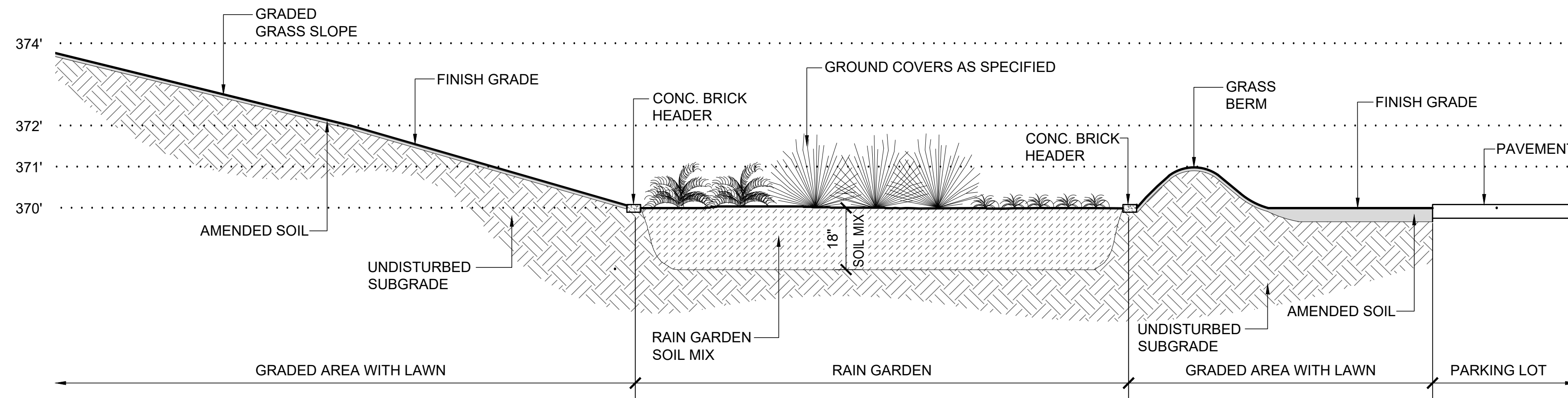
- AFTER ALL PLANTING OPERATIONS ARE COMPLETE, CONDUCT MAINTENANCE OF PLANTS TO ESTABLISH PROPER GROWTH.
- IF TREE IS LEANING AT THE END OF THE PLANT MAINTENANCE PERIOD, THE TREE WILL BE REJECTED.
- ANY DEAD PLANTS AND PLANTS NOT IN A VIGOROUS, THRIVING CONDITION SHALL BE REPLACED.
- THE COST OF REPLACEMENT UNDER ALL CIRCUMSTANCES SHALL BE BORNE BY THE CONTRACTOR, EXCEPT FOR POSSIBLE REPLACEMENT RESULTING FROM THEFT, VANDALISM OR OTHER ACTS OF NEGLIGENCE BY OTHERS.



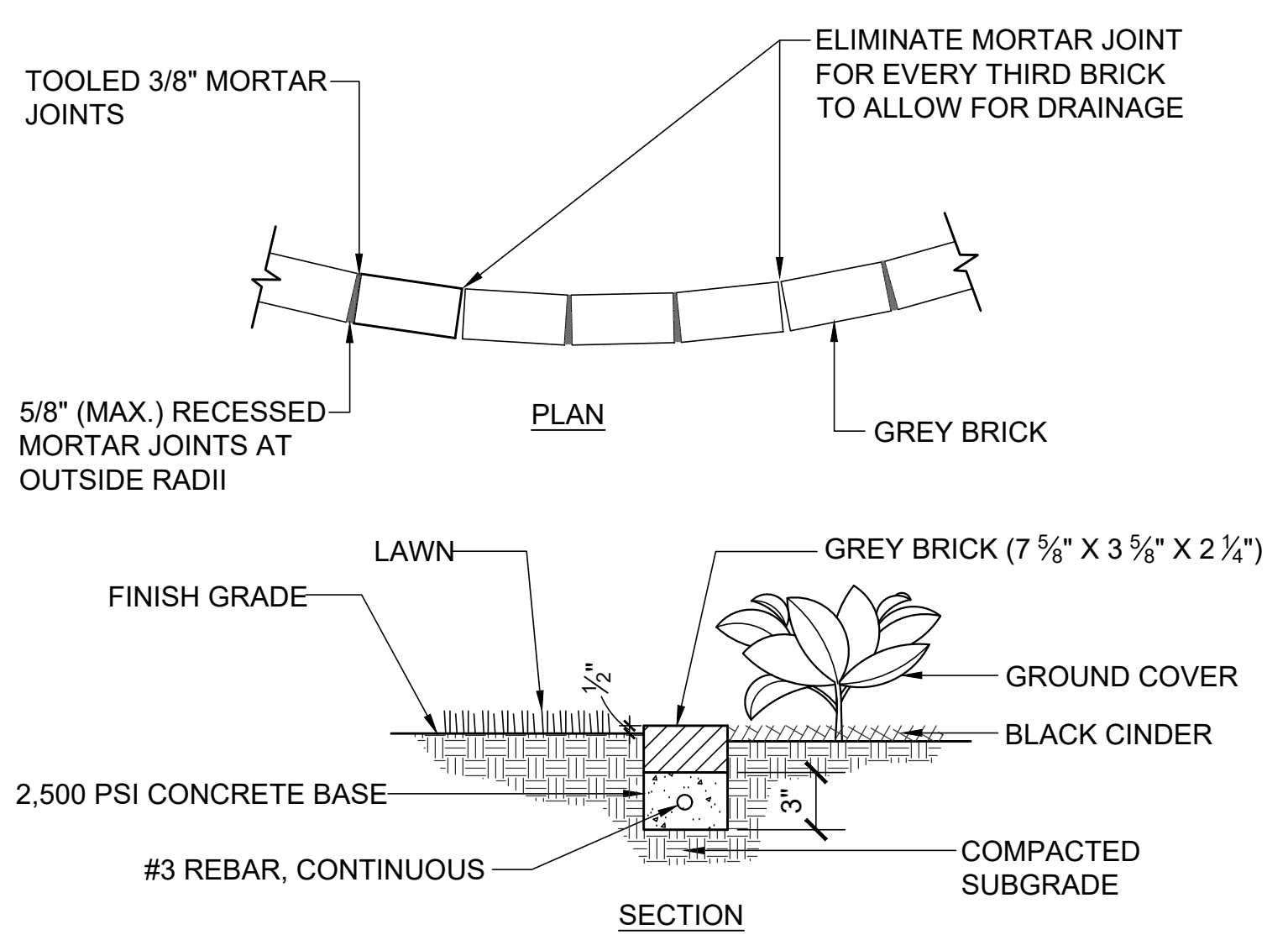
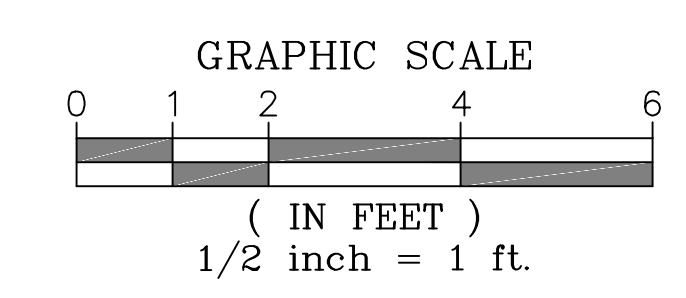
- NOTES:**
- CONTRACTOR TO DETERMINE THE AMOUNT OF NEW GRASS REQUIRED, BASED ON THE AREAS DAMAGED BY CONSTRUCTION ACTIVITIES (e.g.: NEW GRADING, NEW PAVEMENT, VEHICULAR ACCESS TO CONSTRUCTION AREAS, ETC.)
 - CONTRACTOR TO DETERMINE THE AMOUNT OF SOIL AMENDMENTS REQUIRED, BASED ON THE AMOUNT OF GRASS RESTORATION. SEE NOTE 1 ABOVE.
 - REFER TO LANDSCAPING SPECIFICATIONS FOR LANDSCAPE SUBMITTALS AND SOIL PREPARATION.



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII</p> <p>GRASS RESTORATION PLAN AND NOTES</p>					
DESIGNED:	MN	SUBMITTED:	APRIL 2026		
DRAWN:	MN	DATE:	APRIL 2026		
CHECKED:	MN	SCALE:	1/16" = 1'-0"		
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.lau@hawaii.gov State of Hawaii		DRAWING NO. L-100		
CHIEF ENGINEER	Civil Engineer		SHEET NO. 31 OF 32 SHEETS		

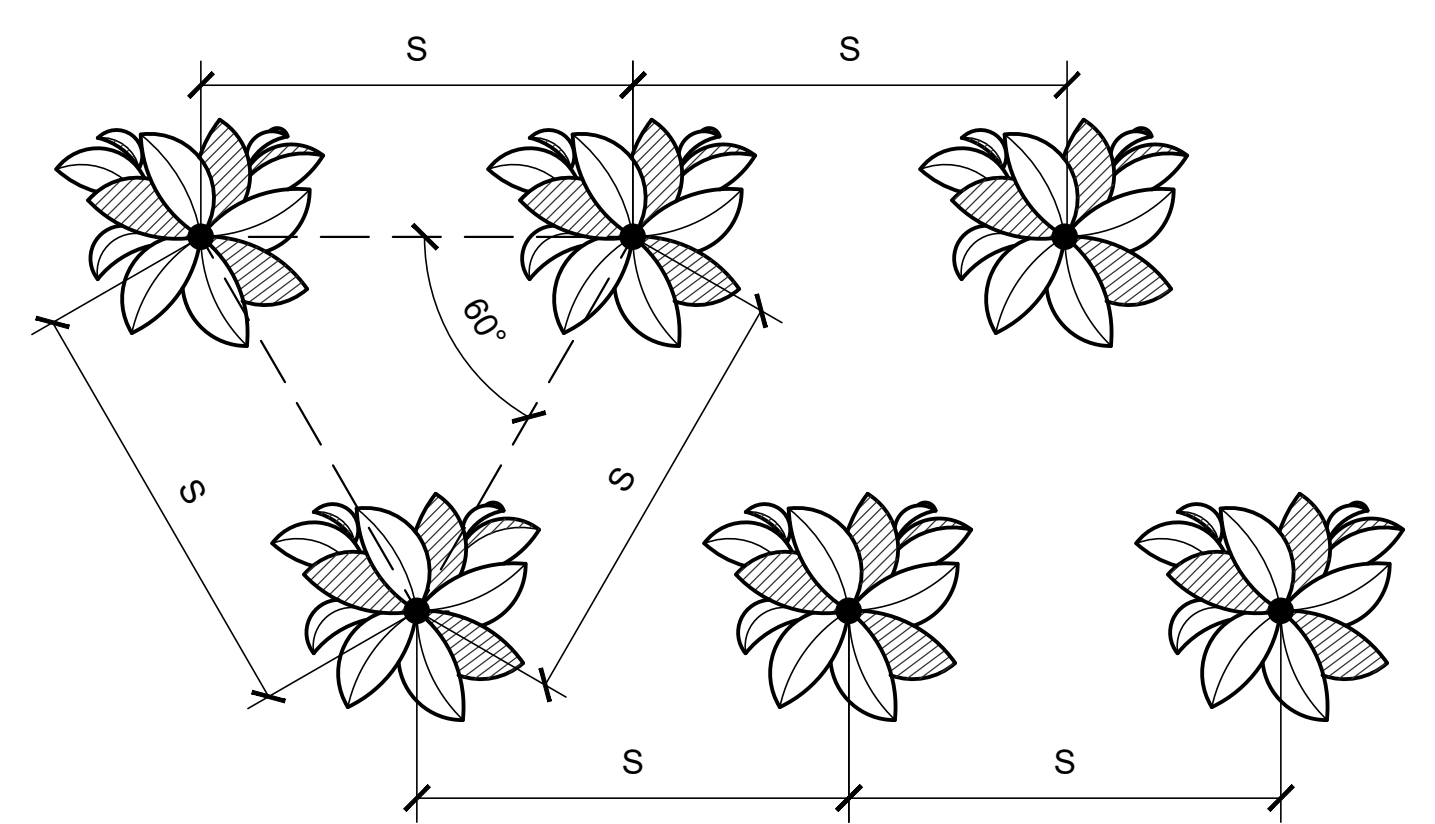


2 RAIN GARDEN CROSS SECTION (BID ADDITIVE #4)
SCALE: 1/2" = 1'-0"

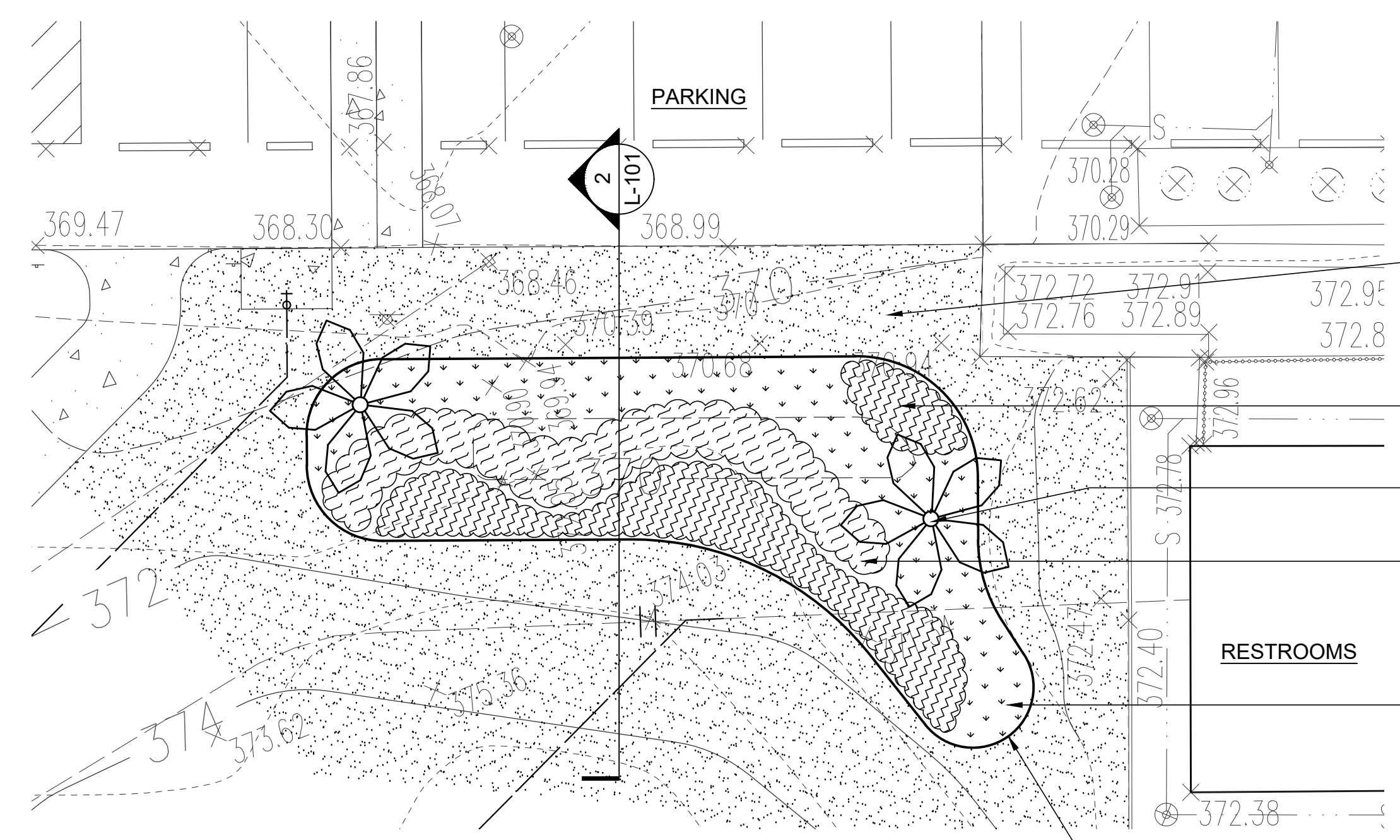


3 CONCRETE BRICK HEADER DETAIL
NOT TO SCALE

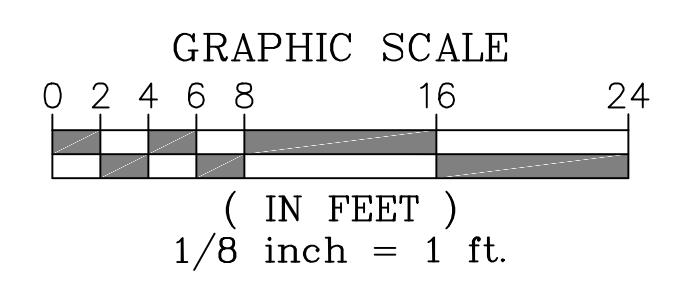
NOTE:
S = SPACING, REFER TO PLANT LIST FOR LENGTH OF SPACING



4 TRIANGULAR PLANT SPACING DETAIL
NOT TO SCALE



1 RAIN GARDEN LANDSCAPE PLAN (BID ADDITIVE #4)
SCALE: 1/8" = 1'-0"



PLANT LIST (BID ADDITIVE #4)					
SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	SIZE	DESCRIPTION
NEW TREES & GROUND COVERS					
	2 EACH	HAPU'U TREE FERN	Cibotium spp.	3 gal	3' height min.
	255 SQ. FT.	MAU'U 'AKI 'AKI	Fimbristylis cymosa	4" pots	1'-0" o.c., triangular spacing
	180 SQ. FT.	CAREX	Carex wahuensis	1 gallon	1'-6" o.c., triangular spacing
	225 SQ. FT.	KUPUKUPU FERN	Nephrolepis cordifolia	6" pots	1'-6" o.c., triangular spacing
NEW GRASS					
	*1,805 SQ. FT. (Approx. Quantity See notes below)	GRASS SOD (ST. AUGUSTINE)	Stenotaphrum secundatum	sod	In newly graded areas and areas where existing lawn is damaged by construction
NEW MISC. ITEMS					
	130 LF.	CONCRETE BRICK HEADER			4"X8" Gray concrete bricks
	2.0 CU. YD.	BLACK CINDER (660 SQ. FT.)			1" Layer - top dress all areas in Rain Garden bed
	*5.6 CU. YD. (Approx. Quantity See notes below)	SOIL AMENDMENTS (NIU BRAND COMPOST OR APPROVED SUBSTITUTE)			Sprinkle 1" Layer over new lawn areas (See specs.)
	36.7 CU. YD.	RAIN GARDEN SOIL MIX: 50% ALL PURPOSE WHITE SAND, 30% SCREENED SOIL, 20% SOIL AMENDMENTS (NIU BRAND COMPOST OR APPROVED SUBSTITUTE)			Install rain garden soil mix to a depth of 18".
	60 DAYS	LANDSCAPE MAINTENANCE PERIOD			See Specifications

***NOTES:**

- CONTRACTOR TO DETERMINE THE AMOUNT OF GRASS REQUIRED, BASED ON THE AREAS DAMAGED BY CONSTRUCTION ACTIVITIES (NEW GRADING, NEW PAVEMENT, VEHICULAR ACCESS TO CONSTRUCTION AREAS, ETC.)
- CONTRACTOR TO DETERMINE THE AMOUNT OF SOIL AMENDMENTS REQUIRED, BASED ON THE AMOUNT OF GRASS RESTORATION. SEE NOTE 1 ABOVE.

RESTORE ALL NEWLY GRADED AREAS AND AREAS DAMAGED BY CONSTRUCTION WITH GRASS SOD

KUPUKUPU FERN WITH BLACK CINDER BELOW

HAPU'U TREE FERN WITH BLACK CINDER BELOW

CAREX WITH BLACK CINDER BELOW

MAU'U 'AKI WITH BLACK CINDER BELOW

CONCRETE BRICK HEADER; SEE DETAIL 3 ON THIS SHEET

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION STATE WAYSIDE PARK IMPROVEMENTS HANA, MAUI, HAWAII RAIN GARDEN LANDSCAPE PLAN					
DESIGNED:	MN	SUBMITTED:	APRIL 2026		
DRAWN:	MN	DATE:	APRIL 2026		
CHECKED:	MN	SCALE:	AS NOTED		
APPROVED:	Dina Lau E-signed 2026-04-27 09:01PM HST dina.u.lau@hawaii.gov State of Hawaii Civil Engineer	DRAWING NO.	L-101		