

# INDEX TO DRAWINGS

SHEET NO.	DRAWING NO.	TITLE
<b>TITLE</b>		
1	T001	TITLE SHEET
<b>CIVIL</b>		
2	C001	INDEX
3	C002	CONSTRUCTION NOTES 1
4	C003	CONSTRUCTION NOTES 2
5	C004	CONSTRUCTION NOTES 3
6	C100	PROPOSED WATERLINE AND WELL SYSTEM
7	C101	WATER SYSTEM SCHEMATIC
8	C102	KEY PLAN - EROSION AND SEDIMENT CONTROL PLANS
9	C103	EROSION AND SEDIMENT CONTROL NOTES & DETAILS
10	C104	EROSION AND SEDIMENT CONTROL PLAN - 1 (IRRIGATION LINE "A-1")
11	C105	EROSION AND SEDIMENT CONTROL PLAN - 2 (IRRIGATION LINE "C")
12	C106	EROSION AND SEDIMENT CONTROL PLAN - 3 (WELL SITE)
13	C107	EROSION AND SEDIMENT CONTROL PLAN - 4 (HAIRPIN TURN)
14	C201	KEY PLAN - SITE PLANS AND PLAN & PROFILES
15	C202	IRRIGATION LINE "A-1" PLAN & PROFILE - 1 (STA. 0+00 TO 4+00)
16	C203	IRRIGATION LINE "A-1" PLAN & PROFILE - 2 (STA. 4+00 TO END)
17	C204	IRRIGATION LINE "C-1" PLAN & PROFILE - 1 (STA. 0+00 TO 5+00)
18	C205	IRRIGATION LINES "C-1" PLAN & PROFILE - 2 (STA. 5+00 TO END)
19	C401	WELL SITE & GRADING PLAN
20	C402	HAIRPIN TURN SITE PLAN & DETAILS
21	C501	MISCELLANEOUS DETAILS - 1
22	C502	MISCELLANEOUS DETAILS - 2
23	C503	CONCRETE PAD DETAIL
<b>MECHANICAL</b>		
24	M201	WELL PUMP PLAN & SECTIONS
25	M202	WELL PUMP SECTIONS & DETAILS
26	M203	WELL PUMP DETAILS I
27	M204	WELL PUMP DETAILS II
<b>ELECTRICAL</b>		
28	E001	SYMBOLS LIST, GENERAL NOTES
29	E002	HECO NOTES I
30	E003	HECO NOTES II
31	E004	DUCT SECTION DETAILS AND REQUIREMENTS
32	E101	WELL ELECTRICAL SITE PLAN
33	E102	ELECTRICAL PLAN
34	E103	WELL PUMP ELECTRICAL PLAN
35	E201	ONE-LINE DIAGRAM
36	E202	WELL PUMP CONTROL SCHEMATIC DIAGRAM I
37	E203	SCADA SYSTEM SCHEMATIC DIAGRAM
38	E301	WELL PUMP MOC ELEVATION
39	E401	MISCELLANEOUS ELECTRICAL DETAILS I
40	E402	MISCELLANEOUS ELECTRICAL DETAILS II
41	E403	PORTABLE GENERATOR TERMINATION CABINET
42	E501	EXISTING RESERVOIR ELECTRICAL SITE PLAN

ABBREVIATION LIST			
AC	ASPHALT CONCRETE	LT.	LIGHT, LEFT
ADJ	ADJUSTMENT	M TREE	MONKEY POD TREE
BC	BOTTOM CURB	MAX.	MAXIMUM
BDC	BOTTOM DROP CURB	MIN.	MINIMUM
BFC	BOTTOM FACE CURB	MTCO, MTC	MUTUAL TELEPHONE COMPANY
B	BASE LINE	MTMH	MUTUAL TELEPHONE CO. MANHOLE
BV	BOTTOM VERTICAL	O.C.	ON CENTER
BVCE	BEGINNING VERTICAL CURVE ELEVATION	O/E	OVERHEAD ELECTRICAL
BVCS	BEGINNING VERTICAL CURVE STATION	O/S	OFFSET
BW	BOTTOM WALL	PVMT., PAVT.	PAVEMENT
BWS	BOARD OF WATER SUPPLY	PC	POINT OF CURVATURE
C	CHORD LENGTH	PI	POINT OF INTERSECTION
C/L	CHAIN LINKED	PM	PARKING METER
CATV	CABLE TELEVISION	PPB	PEDESTRIAN PUSH BUTTON
CBMH, CB	CATCH BASIN MANHOLE	PT	POINT OF TANGENCY
CIPP	CURE IN PLACE PIPE	PVC	POLYVINYL CHLORIDE
C	CENTERLINE	PVI	POINT OF VERTICAL INTERSECTION
CLR	CLEAR	R	RADIUS
CO	CLEAN OUT	R/W, ROW	RIGHT-OF-WAY
CONC.	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CTB	CABLE TV BOX	RMV	REMOVE
DDC	DEPT. OF DESIGN AND CONSTRUCTION	RT.	RIGHT
DET.	DETAIL	S	SEWER
DI	DRAIN INLET	SDMH	STORM DRAIN MANHOLE
DIA.	DIAMETER	SFM	SEWER FORCE MAIN
DMH	DRAIN MANHOLE	SHT.	SHEET
DPP	DEPT. OF PLANNING AND PERMITTING	SIG.	SIGNAL
DPW	DEPT. OF PUBLIC WORKS	SLB	STREET LIGHT BOX
DR	DIMENSION RATIO	SMH	SEWER MANHOLE
DTS	DEPT. OF TRANSPORTATION SERVICES	SP	SIGN POST, SIGN POLE
DW	DRIVEWAY	SS	STAINLESS STEEL
ED	EDGE	STA.	STATION
ELEC.	ELECTRICAL	STD.	STANDARD
ELEV.	ELEVATION	SW	SIDEWALK
EP	ELECTRIC POLE	T	TANGENT
EVCE	ENDING VERTICAL CURVE ELEVATION	T(ug)	TELEPHONE (UNDERGROUND)
EVCS	ENDING VERTICAL CURVE STATION	TC	TOP OF CURB
EXIST., EX	EXISTING	TCP	TRAFFIC CONTROL PANEL
FAB	FIRE ALARM BOX	TDC	TOP DROP CURB
FB	FRONT TO BACK	TEL.	TELEPHONE
FH	FIRE HYDRANT	THK.	THICKNESS
FLR.	FLOOR	TL	TRAFFIC
FRP	FIBERGLASS REINFORCED POLYESTER	TLB	TRAFFIC SIGNAL LIGHT
FT.	FOOT/FEET	TLP	TRAFFIC LIGHT POLE
G	GAS	TMH	TRAFFIC MANHOLE
GEN	GENERAL	TMK	TAX MAP KEY
GP	GUARD POST	TP	TOP OF PIPE
GRD	GROUND	TS	TOP OF STEM
GUT.	GUTTER	TSB	TRAFFIC SIGNAL BOX
GV	GAS VALVE	TSP	TRAFFIC SIGNAL POLE
GW	GUY WIRE	TV	TOP VERTICAL
H	HEIGHT OR HORIZONTAL	TW	TOP OF WALL
HDPE	HIGH DENSITY POLYETHYLENE	TYP.	TYPICAL
HECO	HAWAIIAN ELECTRIC COMPANY	UHMW	ULTRA HIGH MOLECULAR WEIGHT
HGL	HYDRAULIC GRADE LINE	VC	VERTICAL CURVE
HT	HAWAIIAN TELEPHONE COMPANY	W/	WITH
H.T.M.H.	HAWAIIAN TELEPHONE MANHOLE	W.L.	WATER LINE
INV.	INVERT	WM	WATER METER
Lc	LENGTH OF CURVE	WMH	WATER MANHOLE
LF	LINEAR FEET	WV	WATER VALVE
LP	LAMP/LIGHT POLE		

## WAIAHOLE WATER SYSTEM IMPROVEMENTS - WELL SITE



**R. M. TOWILL CORPORATION**  
Planning • Engineering • Environmental Services • Program Management • Surveying • Construction Management  
 2024 North King Street Suite 200  
 Honolulu Hawaii 96815

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
 \_\_\_\_\_ 4/30/26  
 SIGNATURE EXP. DATE

NO.	DATE	REVISION	BY	APPROVED

APPROVED BY

ENGINEER	
DRAFTSMAN	
CHECKED BY	
SCALE	AS SHOWN
DATE	MAY 2024
DPP FILE NO.	20XX/CP-XXX

SKC-1

INDEX