CONTRACT PROVISIONS AND PLANS

FOR THE CONSTRUCTION OF:

SALMON CREEK TREATMENT PLANT – UV SYSTEM REPLACEMENT

VOLUME IV – PLANS

Discovery Clean Water Alliance Project No. 93-2023-0048

An Alliance Capital Project delivered by Clark Regional Wastewater District as Administrative Lead for Discovery Clean Water Alliance

PREPARED FOR:

CLARK REGIONAL WASTEWATER DISTRICT
8000 NE 52nd COURT
VANCOUVER, WASHINGTON 98665
(360) 750-5876
FAX (360) 750-7570
crwwd.com

FOR INFORMATION REGARDING THIS PROJECT CONTACT:

Chris Stangl
Senior Construction Manager
CLARK REGIONAL WASTEWATER DISTRICT
8000 N.E. 52nd COURT
VANCOUVER, WASHINGTON 98665
360.993.8831
cstangl@crwwd.com

PREPARED BY:

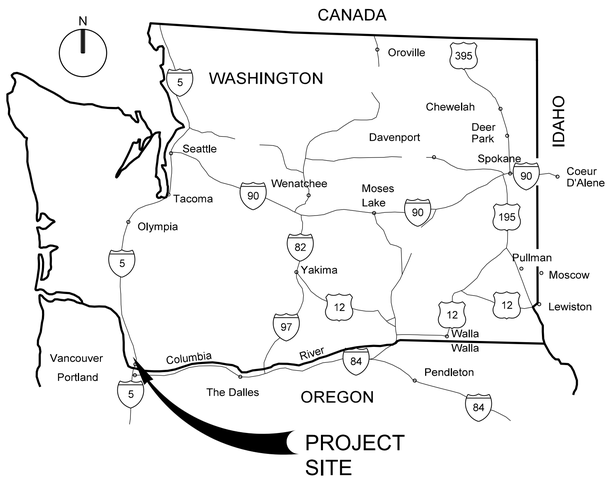
JACOBS ENGINEERING GROUP INC.
2020 SW FOURTH AVENUE, 3rd FLOOR
PORTLAND, OREGON 97201

FEBRUARY 2026

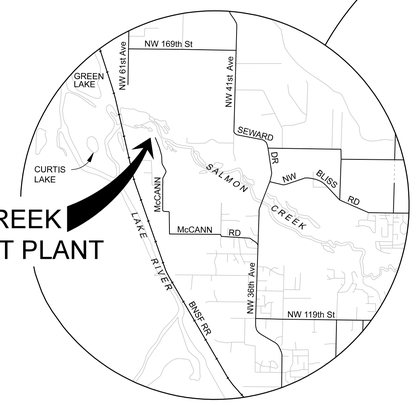
SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT

DISCOVERY CLEAN WATER ALLIANCE PROJECT #93-2023-0048

ISSUED FOR CONSTRUCTION
FEBRUARY 2026



LOCATION MAP



VICINITY MAP

ALLIANCE BOARD OF DIRECTORS:

GLEN YUNG, CLARK COUNTY
NORM HARKER, CLARK REGIONAL WASTEWATER DISTRICT
LEE WELLS, CITY OF RIDGEFIELD
SHANE BOWMAN, CITY OF BATTLE GROUND

Jacobs
2020 SW 4TH AVE #300
PORTLAND, OR 97201

IF ANY CULTURAL RESOURCES AND/OR HUMAN REMAINS ARE DISCOVERED IN THE COURSE OF UNDERTAKING THE DEVELOPMENT ACTIVITY, THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION IN OLYMPIA SHALL BE NOTIFIED. FAILURE TO COMPLY WITH THESE STATE REQUIREMENTS MAY CONSTITUTE A CLASS C FELONY, SUBJECT TO IMPRISONMENT AND/OR FINES.

JACOBS PROJECT MANAGER	PRINCIPAL ENGINEER	ALLIANCE ADMINISTRATIVE LEAD
R Brady Fuller 02/12/2026	Bill Owen Digitally signed by Bill Owen Date: 2026.02.17 11:47:59 -08'00'	John Peterson Digitally signed by John Peterson Date: 2026.02.18 12:45:03 -08'00'
BRADY FULLER DATE	BILL OWEN DATE	JOHN M. PETERSON DATE

DESIGN PROFESSIONAL SHALL COMPLETE ALL LINES:

PROJECT QUANTITIES

N/A = NOT APPLICABLE ☐ = APPLICABLE

GRADING:	
ONSITE EXCAVATION (CUT) VOLUME (CUBIC YARDS)	925.00
FILL FROM OFF-SITE SOURCE (CUBIC YARDS)	627.00
CONSTRUCTION INSPECTION DISTURBED AREA:	
DISTURBED AREA (ACRES)	0.21
UIC - CLASS V INJECTION WELLS:	
SITE NUMBER:	N/A
SITE NAME:	N/A
SITE ADDRESS:	N/A
EPA WELL TYPE:	N/A
WELL COUNT:	N/A

PUBLIC IMPROVEMENTS		PRIVATE IMPROVEMENTS	
☐ **TRANSPORTATION (ARTERIAL & COLLECTOR)**		☐ **TRANSPORTATION**	
SIDEWALK/CURB LINEAL FEET	N/A	SIDEWALK/CURB LINEAL FEET	N/A
STREET LINEAL FEET	N/A	STREET LINEAL FEET	N/A
☐ **TRANSPORTATION (OTHER)**			
SIDEWALK/CURB LINEAL FEET	N/A		
STREET LINEAL FEET	N/A		
☐ **STORMWATER** FACILITY TYPE	N/A	☐ **STORMWATER** FACILITY TYPE	N/A

DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
©JACOBS 2026. ALL RIGHTS RESERVED.

ROBERT BRADY FULLER — WASHINGTON — STATE OF — REGISTERED PROFESSIONAL ENGINEER
DIGITALLY STAMPED 02/12/2026

NO.	DATE	DSGN	DR	CHK	APVD
REVISION			A LABEDZ	S STUART	APVD
BY	APVD				
B FULLER					

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

GENERAL

PROJECT LOCATION, VICINITY AND SITE MAPS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-001
SHEET	1 of 71

ISSUED FOR CONSTRUCTION

FILENAME: 01-G-001_D3454455.dgn PLOT DATE: 10-FEB-2026 PLOT TIME: 08:24

DRAWING INDEX

SHT NO.	DWG NO.	DRAWING TITLE
		01 - GENERAL
1	01-G-001	PROJECT LOCATION, VICINITY AND SITE MAPS
2	01-G-002	DRAWING INDEX
3	01-G-003	ABBREVIATIONS
4	01-G-004	ABBREVIATIONS AND STANDARD DESIGNATIONS
5	01-G-005	CIVIL LEGEND
6	01-G-006	CIVIL EROSION CONTROL NOTES AND LEGEND
7	01-G-007	STRUCTURAL NOTES 1
8	01-G-008	STRUCTURAL NOTES 2
9	01-G-009	STATEMENT OF SPECIAL INSPECTIONS 1
10	01-G-010	STATEMENT OF SPECIAL INSPECTIONS 2
11	01-G-011	STATEMENT OF SPECIAL INSPECTIONS 3
12	01-G-012	STATEMENT OF SPECIAL INSPECTIONS 4
13	01-G-013	ARCHITECTURAL NOTES, SYMBOLS, LEGEND AND WALL TYPES
14	01-G-014	PROCESS MECHANICAL LEGEND
15	01-G-015	PROCESS MECHANICAL PIPE SCHEDULE AND DESIGN CRITERIA
16	01-G-016	INSTRUMENTATION AND CONTROL LEGEND 1
17	01-G-017	INSTRUMENTATION AND CONTROL LEGEND 2
18	01-G-018	INSTRUMENTATION AND CONTROL CONTROL DIAGRAM LEGEND
19	01-G-019	ELECTRICAL LEGEND 1
20	01-G-020	ELECTRICAL LEGEND 2
21	01-G-021	PROCESS MECHANICAL PROCESS FLOW DIAGRAM
22	01-G-022	PROCESS MECHANICAL HYDRAULIC PROFILE
		05 - SITE DEVELOPMENT
23	05-C-100	CIVIL OVERALL SITE PLAN
24	05-CX-101	CIVIL DEMOLITION PLAN AREA 101
25	05-C-101	CIVIL LOCATION PLAN AREA 101
26	05-C-102	CIVIL EXCAVATION/SHORING PLAN AREA 101
27	05-CY-101	CIVIL YARD PIPING PLAN AREA 101
28	05-CE-101	CIVIL EROSION CONTROL PLAN AREA 101
29	05-CG-101	CIVIL GRADING PLAN AREA 101
30	05-C-301	CIVIL SITE SECTIONS
31	05-E-101	ELECTRICAL SITE PLAN AREA 101
		55 - UV DISINFECTION
32	55-X-110	DEMOLITION PLANS, SECTION AND DETAIL
33	55-X-120	DEMOLITION PROCESS PLAN AND SECTION
34	55-X-130	DEMOLITION ROOF FRAMING PLAN AND DETAIL
35	55-A-120	ARCHITECTURAL FLOOR PLAN
36	55-A-130	ARCHITECTURAL ROOF PLAN
37	55-A-301	ARCHITECTURAL SECTION
38	55-S-110	STRUCTURAL FOUNDATION PLAN
39	55-S-120	STRUCTURAL GROUND LEVEL PLAN
40	55-S-130	STRUCTURAL ROOF FRAMING PLAN
41	55-S-301	STRUCTURAL SECTIONS
42	55-S-302	STRUCTURAL SECTION
43	55-S-303	STRUCTURAL CANOPY SECTIONS
44	55-S-501	STRUCTURAL DETAILS
45	55-D-120	PROCESS PLAN
46	55-D-301	PROCESS SECTIONS
47	55-E-120	ELECTRICAL PLAN
		83 - ELECTRICAL BUILDING
48	83-EX-120	ELECTRICAL DEMOLITION PROCESS PLAN
49	83-E-120	ELECTRICAL PROCESS PLAN
		90 - GENERAL ELECTRICAL
50	90-EX-201	ELECTRICAL DEMOLITION SWGR-2A AND SWGR-2B ONE-LINE DIAGRAM
51	90-E-201	ELECTRICAL SWGR-2A AND SWGR-2B ONE-LINE DIAGRAM
52	90-E-301	ELECTRICAL CABLE BLOCK DIAGRAM
53	90-E-402	ELECTRICAL PANELBOARD SCHEDULES
		95 - INSTRUMENTATION AND CONTROL
54	95-I-001	NETWORK BLOCK DIAGRAM
55	95-I-124	UV P&ID
		99 - STANDARD DETAILS
56	99-S-511	STRUCTURAL STANDARD DETAILS - 1
57	99-S-512	STRUCTURAL STANDARD DETAILS - 2
58	99-S-513	STRUCTURAL STANDARD DETAILS - 3
59	99-S-514	STRUCTURAL STANDARD DETAILS - 4
60	99-S-515	STRUCTURAL STANDARD DETAILS - 5
61	99-S-516	STRUCTURAL STANDARD DETAILS - 6
62	99-S-517	STRUCTURAL STANDARD DETAILS - 7
63	99-S-518	STRUCTURAL STANDARD DETAILS - 8
64	99-A-511	ARCHITECTURAL STANDARD DETAILS
65	99-E-511	ELECTRICAL STANDARD DETAILS - 1
66	99-E-512	ELECTRICAL STANDARD DETAILS - 2
67	99-C-511	CIVIL STANDARD DETAILS - 1
68	99-C-512	CIVIL STANDARD DETAILS - 2
69	99-D-511	PROCESS STANDARD DETAILS - 1
70	99-D-512	PROCESS STANDARD DETAILS - 2
71	99-I-511	INSTRUMENTATION AND CONTROL STANDARD DETAILS

ROBERT BRADY FULLER — STATE OF WASHINGTON — 23324 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED 02/06/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		A LABEDZ	A LABEDZ	S STUART	B FULLER		

REVISION

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL

DRAWING INDEX

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-002
SHEET	2 of 71

FILENAME: 01-G-002_D3454455.dgn PLOT DATE: 13-JAN-2026 PLOT TIME: 04:01

SYMBOLS	
Δ	DELTA, DIFFERENCE
Σ	SUM
×	MULTIPLY
÷	DIVIDE
√	SQUARE FOOT
>	SELECT HIGHEST SIGNAL
<	SELECT LOWEST SIGNAL
}	BIAS
%	GAIN, ATTENUATE
1:1	REPEAT, BOOST
@	AT
#	NUMBER / POUND
°F	DEGREES FAHRENHEIT
°C	DEGREES CELSIUS
A	
A	AMPERE, AUTOMATIC, AMMETER, AMPERES
AB	ANCHOR BOLT
AC	ACOUSTICAL CEILING, ALTERNATE CURRENT
ACC	AIR-COOLED CIRCUIT
ACCU	AIR-COOLED CONDENSING UNIT
ACB	AIR-CIRCUIT BREAKER
ACH	AIR CHANGES PER HOUR
ACI	AMERICAN CONCRETE INSTITUTE
ACS	ACCESS CONTROL SYSTEM
ACU	AIR CONDITIONED UNIT
AD	AREA DRAIN
ADA	AMERICANS W/ DISABILITIES ACT
ADDL	ADDITIONAL
ADMIN	ADMINISTRATION
AF	AMPERE FRAME
AFD	ADJUSTABLE FREQUENCY DRIVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AHV	ACTIVE HARMONIC FILTER
AIC	AVAILABLE INTERUPTING CURRENT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ANT	ANTENNA
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AR	ANALOG READY
AREMA	AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION
ASC	AUXILIARY SWITCH CLOSED
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASO	AUXILIARY SWITCH OPEN
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASU	AIR SUPPLY UNIT
ATB	ASPHAULT TREATED BASE
ATC	AUTOMATIC TRANSFER CONTROL
AUX	AUXILIARY
AVG	AVERAGE
ARVG	AIR VACUUM RELEASE VALVE
AWG	AMERICAN WIRE GAGE
AWS	AMERICAN WELDING SOCIETY
B	
BFG	BUTTERFLY GATE
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BMP	BEST MANAGEMENT PRACTICE
B.O.	BOTTOM OF
BOW	BOTTOM OF WALL
BPVC	BOILER AND PRESSURE VESSEL CODE
BTU	BRITISH THERMAL UNITS
BV	BALL VALVE
BWS	BACKWASH SUPPLY
BWW	BACKWASH WASTE
C	
C	CURVE
CAT 6	CATEGORY 6 ETHERNET CABLE (COPPER)
CCP	CENTRAL CONTROL PANEL
CCS	CENTRAL CONTROL SYSTEM
CD	CEILING DIFFUSER
CDF	CONTROLLED DENSITY FILL
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CHEM	CHEMICAL
CHKD	CHECKERED
CI	CAST IRON
CIP	CAST IN PLACE
CISP	CAST IRON SOIL PIPE
CJ	CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLDI	CEMENT LINED DUCTILE IRON
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CML&TW	CEMENT MORTAR LINED AND TAPE WRAPPED
CMMS	COMPUTERIZED MAINTENANCE MONITORING SYSTEM
CMP	CENTRAL MONITORING PANEL
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMM	COMMUNICATION(S)
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
COP	COPPER
CP	CONTROL PANEL, CATHODIC PROTECTION
CPLG	COUPLING
CPT	CONTROL POWER TRANSFER, COMMON PATH OF TRAVEL
CPU	CENTRAL PROCESSING UNIT
CPVC	CHLORINATED POLYVINYL CHLORIDE
CRK	CIRCUIT
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CTR	CENTER
CTRD	CENTERED
CU	CUBIC
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CU YD	CUBIC YARDS
C900	AWWA C900 POLYVINYL CHLORIDE
D	
DA	DUAL ACTION
DAS	DATA ACQUISITION SYSTEM
DBL	DOUBLE
DC	DIRECT CURRENT
DCV	DOUBLE CHECK VALVE
DEG	DEGREE
DEMO	DEMOLITION
DH+	ALLEN-BRADLEY DATA HIGHWAY PLUS
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIP	DUCTILE IRON PIPE
DIV	DIVISION
DLR	ALLEN-BRADLEY DEVICE LEVEL RING
DN	DOWN
DO	DISSOLVED OXYGEN
DPDT	DOUBLE POLE DOUBLE-THROW
DPM	DIGITAL POWER MONITOR
DSW	DISCONNECT SWITCH
DWG	DRAWING
DWL	DOWEL
E	
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECC	ECCENTRIC
ECP	ENVIRONMENTAL CONTROL PANEL
ECU	EVAPORATIVE COOLING UNIT
EDH	ELECTRIC DUCT HEATER
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
EMS	EMERGENCY MONITORING SYSTEM
EMT	ELECTRICAL MONITORING TUBE
ENGR	ENGINEER
EQ	EQUAL
EQPT	EQUIPMENT
ESW	ETHERNET SWITCH
ETH	ETHERNET
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXP JT	EXPANSION JOINT
EXIST, EXST	EXISTING
EXT	EXTERIOR
F	
FU	FUSE
FC	FLEXIBLE CONDUIT
FCA	FLANGED COUPLING ADAPTER
FD	FLOOR DRAIN
FDN	FOUNDATION
FEXT	FIRE EXTINGUISHER
FF	FINISHED FLOOR
FG	FINISH GRADE
FIG	FIGURE
FL	FLOOR
FLG	FLANGE
FLEX	FLEXIBLE
FM	FORCE MAIN
FO	FIBER OPTIC CABLE
FPP	FIBER PATCH PANEL
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FLOAT SWITCH
FT	FOOT/FEET
FTG	FOOTING
FV	FLOW VALVE
FWD	FORWARD
G	
GA	GAUGE
GALV	GALVANIZED
GB	GYPSUM BOARD
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFR	GROUND FAULT RELAY
GL	GLASS
GLB	GLULAM BEAM
GMMU	GLASS MESH MORTAR UNIT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GENERATOR PROTECTOR RELAY
GRTG	GRATING
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GW	GROUNDWATER
GWB	GYPSUM WALL BOARD
H	
H	HORIZONTAL
H2S	HYDROGEN SULFIDE
H.A.S.	HEADED ANCHOR STUDS
HC	HOLLOW CORE WOOD
HCG	HIGH-CAPACITY GRILLE
HCL	HYDROCHLORIC ACID
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HM	HOLLOW METAL
HMI	HUMAN MACHINE INTERFACE
HMWPE	HIGH MOLECULAR WEIGHT POLYETHYLENE
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HPT	HIGH POINT
HPU	HYDRAULIC POWER UNIT
HR	HOUR
HSS	HOLLOW STRUCTURAL STEEL
HV	HOSE VALVE
HVAC	HEATING VENTILATING AND AIR CONDITIONING
HWL	HIGH WATER LEVEL
HWP	HEATING WATER PUMP
HW3	HEADWORKS 3
HZ	HERTZ
I	
IBC	INTERNATIONAL BUILDING CODE
I&C	INSTRUMENTATION & CONTROL
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
I.F.	INSIDE FACE
IN	INCH
INSUL	INSULATION
INVT	INVERT
IRRIG	IRRIGATION
IU	INTAKE UNIT
J	
JB	JUNCTION BOX
JAN	JANITOR
JT	JOINT
K	
KA	KILOAMPERES
KAIC	KILOAMPERES INTERRUPTING CAPACITY
KIP	1000 POUNDS
KLPS	KLINELINE PUMP STATION
KSI	KIPS PER SQUARE INCH
KV	KILOVOLTS
KVA	KILOVOLTS AMPERES
KW	KILOWATT
L	
LAB	LABORATORY
LAM	LAMINATE
LB	POUND
LCP	LOCAL CONTROL PANEL
LIT	LEVEL INDICATING TRANSMITTER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LOR	LOCAL-OFF-REMOTE
LP	LOW VOLTAGE PANEL
LPT	LOW POINT
M	
MATL	MATERIAL
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU/HR
MCC	MOTOR CONTROL CENTER
MCJ	MASONRY CONTROL JOINT
MD	MOTORIZED DAMPER
MDC	MOTORIZED DAMPER CONTROL
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MPR	MOTOR PROTECTION RELAY
MRCT	MULTI RADIO CURRENT TRANSFORMER
MSL	MEAN SEA LEVEL
MV	MEDIUM VOLTAGE
MVA	MEGA-VOLT AMPERES
MWS	MAXIMUM WATER SURFACE
N	
N/A	NOT APPLICABLE
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NC	NOISE CRITERIA
NEC	NATIONAL ELECTRIC CODE
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NH3	AMMONIA
NIC	NOT IN CONTRACT
NO.	NUMBER (#)
NOM	NOMINAL
NTS	NOT TO SCALE
O	
O2	OXYGEN
OA	ODOROUS AIR
OC	ON CENTER
OCR	OVERCURRENT RELAY
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
O.F.	OUTSIDE FACE
OHM	OHMMETER
OHWM	ORDINARY HIGH WATER MARK
OIT	OPERATOR INTERFACE TERMINAL
OIU	OPERATOR INTERFACE UNIT
OL	OVERLOAD RELAY
OPNG	OPENING
OPP	OPPOSITE
ORP	OXIDATION REDUCTION POTENTIAL
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OZ	OUNCE

GENERAL SHEET NOTES

1. THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.
2. CONTACT ENGINEER FOR ABBREVIATIONS USED BUT NOT SHOWN ON THIS DRAWING.

ROBERT BRADY FULLER — STATE OF WASHINGTON — 23933 — REGISTERED PROFESSIONAL ENGINEER
DIGITALLY STAMPED 02/06/2026

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		A LABEDZ	A LABEDZ	S STUART			B FULLER

REVISION

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL

ABBREVIATIONS

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-003
SHEET	3 of 71

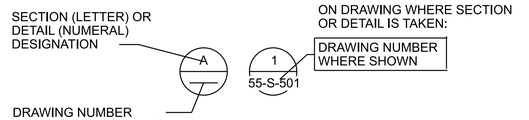
FILENAME: 01-G-003_D3454455.dgn PLOT DATE: 13-JAN-2026 PLOT TIME: 02:50

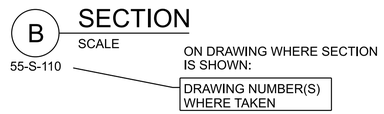
P	
PCB	POWER CIRCUIT BREAKER
PCD	PERFORATED CEILING DIFFUSER
PCF	POUNDS PER CUBIC FOOT
PCG	PERFORATED CEILING GRILLE
PCI	POUNDS PER CUBIC INCH
PCV	PRESSURE CONTROL VALVE
pH	HYDROGEN ION CONCENTRATION
PITO	POINT OF INTERSECTION TURNOUT
PIV	POST INDICATOR VALVE
PJF	PREMOLDED JOINT FILLER
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PLC	PROGRAMMABLE LOGIC CONTROLLER
POB	POINT OF BEGINNING
POC	POINT OF CONNECTION
POE	POWER OVER ETHERNET
POLY	POLYETHYLENE
PP	POWER POLE
PR	PAIR
PRCST	PRECAST
PRDV	PRESSURE REDUCING VALVE
PREFAB	PREFABRICATION
PRGV	PRESSURE REGULATING VALVE
PS	POINT OF SWITCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUND PER SQUARE INCE GAUGE
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
PWR	POWER
Q	
QT	QUARRY TILE
R	
RAD	RADIUS
RA	RETURN AIR
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPT	RECEPTACLE
RD	ROAD, ROOF DRAIN
RDCR	REDUCER
REF	REFERENCE
REFRIG.	REFRIGERATOR
REG	REGULAR
REINF	REINFORCING
REQD	REQUIRED
RG	RETURN GRILLE
RGS	RIGID GALVANIZED STEEL
RIO	REMOTE INPUT/OUTPUT
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RS	RIGID STEEL
RSP	ROCK SLOPE PROTECTION
RST	REINFORCING STEEL
RTU	ROOF TOP UNIT
RVNR	REDUCED VOLTAGE NON-REVERSING
RVR	REDUCED VOLTAGE REVERSING
R/W	RIGHT OF WAY
S	
S	SOUTH
SA	SUPPLY AIR
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SC	SHOWER CURTAIN
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SCHED	SCHEDULE
SCU	SPEED CONTROL UNIT
SD	STORM DRAIN
SDG	SLIDE GATE
SDWK	SIDEWALK
SECT	SECTION
SED	SEDIMENTATION
SEW	SEWAGE
SF	SQUARE FEET
SH	SHEET
SHA	SURFACE HARDENING AGENT
SHS	SOLIDS HANDLING SYSTEM
SIM	SIMILAR
SIP	SECURITY INTERFACE PANEL
SK	SINK
SKM	SKIMMER
SL	SNOW LOAD
SLR	SEALER
SLV	SHORT LEG VERTICAL
SMFO	SINGLE MODE FIBER OPTIC
SMLS	SEAMLESS EPOXY
SOG	SLAB ON GRADE
SOI	SPRAY-ON INSULATION
SP	SPACE
SPECS	SPECIFICATIONS
SPD	SURGE PROTECTION DEVICE
SPLY	SUPPLY
SQ	SQUARE
SQ FT	SQUARE FEET
SQ IN	SQUARE INCH
SSD	STAINLESS STEEL DUCTWORK
SST	STAINLESS STEEL
STA	STATION
STD	STANDARD
STIF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SUB	SUBSTATION
SUBFL	SUBFLOOR
SUP	SUPERNATANT
SUSP	SUSPENDED
SV	SOLENOID VALVE
SVIN	SHEET VINYL
SW	SWITCH
SWBD	SWITCHBOARD
SWD	SIDE WATER DEPTH
SWGR	SWITCHGEAR
SWPP	STORMWATER POLLUTION PREVENTION PLAN
SYMM	SYMMETRICAL
T	
T&B	TOP AND BOTTOM
TA	TRANSFER AIR
TAN	TANGENT
TB	TERMINAL BOARD
TC	TOP OF CURB
TCL_2	TOTAL CHLORINE RESIDUE
TCMU	TEXTURED CONCRETE MASONRY UNIT
TCU	TERMINAL CONTROL UNIT
TD	TIME DELAY
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE
TF	TOP FACE
TFR	TRANSFORMER
TG	TEMPERED GLASS
THD	THREAD
THK	THICKNESS
THRU	THROUGH
THWN	THERMOPLASTIC HEAT AND WATER RESISTANT NYLON COATED
TJB	TERMINAL JUNCTION BOX
T.O.	TOP OF
TOC	TOP OF CONCRETE, TOP OF CURB
TOD	TOTAL OXYGEN DEMAND
TOG	TOP OF GRATE
TOJ	TOP OF JOIST
TOL	TOP OF LEVEE
TOM	TOP OF MASONRY
T.O.	TOP OF
T.O.P.	TOP OF PLATE
TOW, T.O.W.	TOP OF WALL
TP	TURNING POINT
TPO	THERMOPLASTIC POLYOLEFIN (ROOFING MEMBRANE)
TR	TRUSS / TOP OF RAIL
TS	TUBE STEEL
TSV	TELESCOPING VALVE
TTD	TOILET TISSUE DISPENSER
TU-X	TREATMENT UNIT NO. X
TURB	TURBIDITY
TVSS	TRANSIENT VOLTAGE SURGE PROTECTOR
TWP	TRANSLUCENT WALL PANEL
TYP	TYPICAL
U	
UH	UNIT HEATER
UNC	UNIFORM NATIONAL COARSE
UON	UNLESS OTHERWISE NOTED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIT SUBSTATION
UV	ULTRA VIOLET
UVR	UNDER VOLTAGE RELAY
V	
V	VOLTS / VERTICAL
VAV	VARIABLE AIR VOLUME
VB	VAPOR BARRIER
VCB	VACUUM CIRCUIT BREAKER
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VHC	VOLATILE HYDROCARBONS
VIN	VINYL
VM	VOLTMETER
VPS	VENEER PLASTER SYSTEM
VPC	POINT OF VERTICAL CURVATURE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
VR	VOLTAGE REGULATOR
VS	VERTICAL SLIDE
VTR	VENT THRU ROOF
W	
W	WATTS, WIDE
WB	WET BULB
WC	WATER COLUMN
WCO	WALL CLEANOUT
WF	WIDE FLANGE
WG	WATER GAUGE
WH	WATTHOUR METER
WM	WATTMETER
W/	WITH
W/O	WITHOUT
WP	WATERPROOF, WORKING POINT
WRB	WATER RESISTANT GYPSUM BOARD
WRG	WEIR GATE
WS	WATER STOP
WSFU	WATER SUPPLY FIXTURE UNIT
WSG	WATER SUPPLY GATE
WSP	WELDED STEEL PIPE
WSR	WATER SUPPLY REGISTER
WWF	WELDED WIRE FABRIC
WWPH	WET WEATHER PEAK HOUR
X	
(X) Y MMFO	MULTIMODE FIBER OPTIC CABLE, WHERE X = THE QUANTITY OF CABLES, Y = THE NUMBER OF FIBER STANDS IN EACH CABLE
XD	TRANSDUCER
XFMR	TRANSFORMER
Z	
Z	IMPEDANCE
ZS	POSITION SWITCH

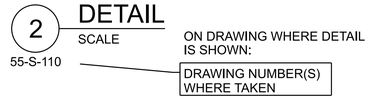
GENERAL SHEET NOTES

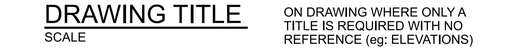
1. THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.
2. CONTACT ENGINEER FOR ABBREVIATIONS USED BUT NOT SHOWN ON THIS DRAWING.

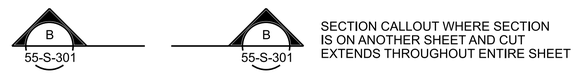
SECTION / DETAIL DESIGNATIONS











DESIGN DETAIL DESIGNATION

NOTES:

1. ALL DESIGN DETAILS ARE TYPICAL AND MUST BE USED IF DESIGN DETAIL DESIGNATION IS NOT SHOWN
2. THE TERM STANDARD DETAIL, OR A FORM OF IT, IS SYNOMONOUS WITH DESIGN DETAIL. THE DESIGN DETAILS REPRESENT THE CHARACTER AND NATURE OF THE WORK REQUIRED THROUGHOUT THE PROJECT. ALL ASSOCIATED WORK SHALL BE IN ACCORDANCE WITH THE DESIGN DETAILS SHOWN WHETHER THE DETAILS ARE SPECIFICALLY REFERENCED OR NOT.

ROBERT BRADY FULLER — STATE OF WASHINGTON — 23437 — REGISTERED PROFESSIONAL ENGINEER
DIGITALLY STAMPED 02/06/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	REVISION	BY	APVD
	A LABEDZ	A LABEDZ	A LABEDZ	S STUART		B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL

ABBREVIATIONS AND STANDARD DESIGNATIONS

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-004
SHEET	4 of 71

FILENAME: 01-G-004_D3454455.dgn PLOT DATE: 13-JAN-2026 PLOT TIME: 02:50

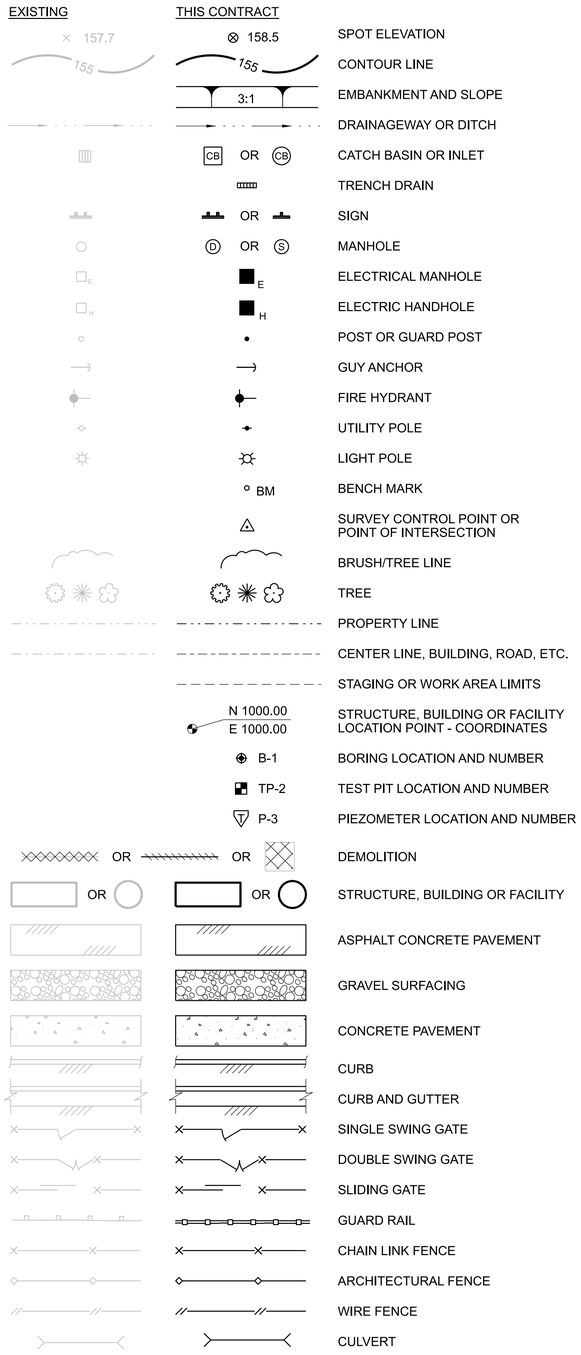
GENERAL SITE NOTES:

1. SOURCE OF TOPOGRAPHY SHOWN ON THE CIVIL PLANS IS TOPOGRAPHIC SURVEY PROVIDED BY OTAK, INC. DATED NOVEMBER 2024 AND BASE MAPS COMPILED BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 1995. CONTOURS SHOWN IN AREAS OF DENSE VEGETATION MAY DEVIATE FROM TRUE ELEVATION. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO BEGINNING CONSTRUCTION.
2. EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
3. HORIZONTAL DATUM: WASHINGTON SOUTH ZONE, NAD83 (2011) U.S. SURVEY FEET UNITS
4. VERTICAL DATUM: NGVD 29
5. MAINTAIN, RELOCATE, OR REPLACE EXISTING SURVEY MONUMENTS, CONTROL POINTS, AND STAKES WHICH ARE DISTURBED OR DESTROYED. PERFORM THE WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.
6. FOR LOCATION OF CONTROL POINT ON STRUCTURES, SEE STRUCTURAL DRAWINGS.
7. COORDINATES AND DIMENSIONS SHOWN FOR ROADWAY IMPROVEMENTS ARE TO FACE OF CURB OR EDGE OF PAVEMENT.
8. PROVIDE TEMPORARY FENCING AS NECESSARY TO MAINTAIN SECURITY AT ALL TIMES.
9. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
10. SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
11. RESTORE DISTURBED AREA NOT RECEIVING ASPHALT CONCRETE SURFACING AS SPECIFIED IN SPECIFICATION 32 92 00, TURF AND GRASSES UNLESS OTHERWISE SHOWN.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL DEVICES DURING CONSTRUCTION.
13. CONTRACTOR SHALL TAKE ALL OTHER MEASURES TO POSITIVELY PRECLUDE EROSION MATERIALS FROM LEAVING THE SITE. CONTRACTOR TO SUBMIT EROSION CONTROL PLAN.

GENERAL YARD PIPING AND UTILITIES NOTES:

1. EXISTING UNDERGROUND UTILITIES OBTAINED FROM AS-BUILTS AND FROM FIELD SURVEY. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION PRIOR TO EXCAVATION. PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
2. FOR PIPING FLOW STREAM IDENTIFICATION, SEE DRAWING 01-G-015.
3. EXISTING PIPING AND EQUIPMENT ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW PIPING AND EQUIPMENT ARE SHOWN HEAVY-LINED.
4. UNLESS OTHERWISE SHOWN ALL PIPING SHALL HAVE A MINIMUM OF 3' COVER.
5. ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.
6. ALL NEW WATER PIPES MUST BE PROPERLY FLUSHED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICALLY TESTED, AS SPECIFIED. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY SAMPLING PORTS AND PIPING APPURTENANCES FOR TESTING.
7. FOR TRENCHING AND BACKFILL, SEE SPECIFICATION 31 23 23.15 AND (3123-110) .
8. MINIMUM ALLOWABLE CLEARANCE BETWEEN PIPES AT CROSSINGS SHALL BE 3". CONTROLLED LOW STRENGTH MATERIAL SUPPORT IS REQUIRED AS SHOWN ON (3123-120) .

CIVIL LEGEND



CLARK COUNTY STANDARD PLAN NOTES:

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CLARK COUNTY CODE (CCC), CLARK COUNTY STREET AND ROAD STANDARDS (CCSRS), CLARK COUNTY STANDARD DETAILS MANUAL (CCSDM) AND THE LAND USE CONDITIONS OF APPROVAL. IT SHALL BE THESOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS.
2. APPROVAL OF ROADWAYS, GRADING, EROSION CONTROL AND DRAINAGE PLAN BY CLARK COUNTY DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION (E.G., DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.).
3. BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE DEPARTMENT OF COMMUNITY DEVELOPMENT, ENGINEERING SERVICES (DCDES) CONSTRUCTION INSPECTION SECTION OF THE ENGINEERING SERVICES DIVISION, THE APPLICANT, AND THE APPLICANT'S CONSULTING ENGINEER AND CONSTRUCTION REPRESENTATIVES.
4. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5. CONSTRUCTION NOISE SHALL BE LIMITED IN ACCORDANCE WITH THE NUISANCE ORDINANCE CCC 9.14.010(3); NORMALLY, THIS IS 7A.M. TO 10 P.M. SEVEN DAYS A WEEK.
6. IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS AND/OR RIGHT OF ENTRIES PRIOR TO CONSTRUCTION WORK.
7. ALL FRANCHISED UTILITIES (I.E. GAS, ELECTRIC, PHONE) OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNLESS AN APPROVED SET OF PLANS THAT MEETS ALL REQUIREMENTS OF CCSRS (CCC 40.350.030) IS SUBMITTED TO THE DCDES CONSTRUCTION INSPECTION SECTION THREE DAYS PRIOR TO CONSTRUCTION.
8. DATUM SHALL BE CLARK COUNTY DATUM NGVD 1929(47) UNLESS OTHERWISE APPROVED BY DCDES.
9. ALL UTILITY TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 95 PERCENT MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99, WITHIN THE ROADWAY PRISM (CCC40.350.030(C)(4)(E).
10. ALL ROADWAY SUBGRADE WITHIN THE ROADWAY PRISM SHALL BE BACKFILLED AND COMPACTED TO 95 PERCENT MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99 (WSDOT 2-06.3).
11. OPEN CUTTING OF EXISTING ROADWAYS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY DCDES AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH CLARK COUNTY CODE (SEE STANDARD TRENCH RESTORATION NOTES OF STANDARD DETAILS MANUAL).
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. SECTION 1-07.23, "TRAFFIC CONTROL," OF THE WSDOT STANDARD SPECIFICATIONS SHALL APPLY IN ITS ENTIRETY.
13. STORM DRAIN, EROSION CONTROL, TRENCH RESTORATION, GRADING, AND SIGNING & STRIPING GENERAL NOTES PER STANDARD PLANS D1.0, ECN1 AND UGN RESPECTIVELY ARE MADE PART OF THESE NOTES, AND ARE TO BE INCLUDED IN THE CONSTRUCTION PLAN SET.
14. IF ANY CULTURAL RESOURCES AND/OR HUMAN REMAINS ARE DISCOVERED IN THE COURSE OF UNDERTAKING THE DEVELOPMENT ACTIVITY, THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION IN OLYMPIA AND CLARK COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT SHALL BE NOTIFIED. FAILURE TO COMPLY WITH THESE STATE REQUIREMENTS MAY CONSTITUTE A CLASS C FELONY, SUBJECT TO IMPRISONMENT AND/OR FINES.

STRUCTURAL NOTES:

1. THESE PLANS ARE APPROVED FOR STANDARD ROAD AND DRAINAGE IMPROVEMENTS ONLY. PLANS FOR STRUCTURES SUCH AS BRIDGES, VAULTS, AND RETAINING WALLS REQUIRE A SEPARATE REVIEW AND APPROVAL BY CLARK COUNTY BUILDING DEPARTMENT AND/OR PUBLIC WORKS DEPARTMENT, AND WSDOT BRIDGE SECTION PRIOR TO CONSTRUCTION.

GENERAL SHEET NOTES

1. THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.

JOHN BALDWIN — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DR	REVISION	CHK	APVD	BY
DSGN	E BRUSSE		J PFEIFER	M BALDWIN		B FULLER

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
CIVIL
LEGEND

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-005
SHEET	5 of 71

FILENAME: 01-G-005_D3454455.dgn PLOT DATE: 3-FEB-2026 PLOT TIME: 08:50

GENERAL EROSION CONTROL NOTES:

1. CONTRACTOR SHALL SUBMIT A COMPLETE EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR APPROVAL AS SPECIFIED. SEE SPECIFICATION SECTION 01 57 13 FOR EROSION AND SEDIMENTATION SUBMITTAL REQUIREMENTS.
2. SEE DRAWING 05-CE-101 FOR MINIMUM PROJECT EROSION AND SEDIMENT CONTROL MEASURES. THE INTENT OF THESE PLANS IS TO SHOW THE MINIMUM REQUIRED ESC MEASURES AND THEIR LOCATIONS. CONTRACTOR SHALL SUPPLEMENT THESE PLANS AS NECESSARY TO MEET LOCAL, STATE, AND FEDERAL REQUIREMENTS.
3. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND OPERATIONAL PRIOR TO BEGINNING ANY SITE ACTIVITIES. THE IMPLEMENTATION, CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE ESC FACILITIES IS THE REPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE LOCAL JURISDICTION, AND VEGETATION IS ESTABLISHED.
4. THE ESC FACILITIES SHOWN ON THE EROSION CONTROL PLANS MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
5. AT NO TIME SHALL SEDIMENT BE ALLOWED TO ACCUMULATE MORE THAN 1/3 THE BARRIER HEIGHT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
6. PROTECT STORMWATER QUALITY IN ALL RUNOFF THAT LEAVES SITE. PREVENT VEHICLES AND EQUIPMENT FROM TRACKING MUD AND SEDIMENT ONTO SITE ROADWAYS AND ONTO PUBLIC ROADWAYS. ADD ADDITIONAL STORMWATER BMP'S AROUND THE SITE TO PREVENT SUCH IMPACTS. THIS MAY REQUIRE WHEEL WASH FACILITIES, MANUAL CLEANING OF EQUIPMENT AND OTHER MEASURES.
7. EXISTING STORMWATER FACILITIES FLOW DIRECTLY TO THE RIVER. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY EROSION CONTROL BPMS AND REFRAIN FROM STORING LAYDOWN MATERIALS WHITHIN 100FT FROM STORMWATER FACILITY.

CLARK COUNTY STANDARD PLAN NOTES:

RECOMMENDED CONSTRUCTION SEQUENCE FOR EROSION CONTROL:

1. PRE-CONSTRUCTION MEETING.
2. FLAG OR FENCE CLEARING LIMITS.
3. POST NOTICE OF CONSTRUCTION ACTIVITY SIGN WITH NAME AND PHONE NUMBER OF EROSION SEDIMENT CONTROL SUPERVISOR.
4. INSTALL CATCH BASIN PROTECTION IF REQUIRED.
5. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
6. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
7. CONSTRUCT SEDIMENT PONDS AND TRAPS.
8. GRADE AND STABILIZE CONSTRUCTION ROADS.
9. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
10. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH CLARK COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
11. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CLARK COUNTY EROSION AND SEDIMENT CONTROL STANDARDS.
12. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
13. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
14. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
15. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

GENERAL EROSION CONTROL LEGEND:

COVER PRACTICES	SYMBOL
TEMPORARY SEEDING	TS
MULCHING AND MATTING	MU
PLASTIC COVERING	PC
BUFFER ZONES	BZ
PERMANENT SEEDING AND PLANTING	PS
DIVERSION DIKE	DD
INTERCEPTOR SWALE	IS

COVER PRACTICES	SYMBOL
CONSTRUCTION ENTRANCE	
TIRE/WHEEL WASH	
CHECK DAMS	
OUTLET PROTECTION / RIPRAP	
SILT/SEDIMENT FENCE	

COVER PRACTICES	SYMBOL
BIOFILTER BAG BARRIER	
INLET PROTECTION	OR
SEDIMENT TRAP (OR SUMP)	
SEDIMENT POND OR BASIN	

CLARK COUNTY STANDARD NOTES FOR EROSION CONTROL PLAN:

1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN BMP'S AS SHOWN AND PERFORM ALL ACTIONS NECESSARY TO PREVENT EROSION, AND CONTROL SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. SITE CONTRACTOR SHALL COMPLY WITH CLARK COUNTY CODE CHAPTER 40.386.
2. ALL EROSION CONTROL MEASURES SHALL BE IN-PLACE AND IN WORKING CONDITION PRIOR TO DISTURBING AND EXPOSING ANY SOIL SURFACES (I.E. SILT FENCE, CONSTRUCTION ENTRANCE, SEDIMENTATION BARRIERS, SEDIMENTATION TRAPS). REFER TO CCC 13.26A AND CLARK COUNTY STORMWATER MANUAL, BOOK 2 BMP'S.
3. ALL EROSION PREVENTION AND CONTROL BMP'S SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO INSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. NEEDED REPAIRS SHALL BE MADE AS SOON AS PRACTICABLE. THEY ARE TO REMAIN IN PLACE AND OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL NOT CONTINUE OR RESUME UNTIL REPAIRS TO EROSION CONTROL FACILITIES ARE MADE AND THE FACILITIES ARE FUNCTIONAL. ANY SEDIMENT LEAVING THE SITE OR DISCHARGING TO A SENSITIVE AREA SHALL BE STOPPED AND CONTROLLED IMMEDIATELY. CONTAMINATED AREAS SHALL BE CLEANED AND RESTORED.
4. CLEARING LIMITS AND WORK AREA LIMITS SHALL BE DELINEATED AND MARKED. DO NOT DISTURB MORE AREA THAN NEEDED FOR CONSTRUCTION REQUIREMENTS.
5. ALL SENSITIVE OR CRITICAL AREAS (WETLANDS, STEEP SLOPES, NATURAL WATERWAYS), AND BUFFERS SHALL ALL BE CLEARLY DELINEATED AND CLEARLY MARKED, AND PROTECTED FROM SEDIMENT DEPOSITION.
6. SEDIMENT LADEN RUNOFF SHALL BE PREVENTED FROM ENTERING ALL EXISTING STORM WATER CATCH BASINS AND INLETS AFFECTED BY CONSTRUCTION.
7. NO EXPOSED, BARE SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN TWO DAYS DURING THE PERIOD OCTOBER 1 THRU APRIL 30 OR FOR MORE THAN SEVEN DAYS DURING THE PERIOD OF MAY 1 THROUGH SEPTEMBER 30. ALL DISTURBED SOIL SURFACES SHALL BE STABILIZED BY A SUITABLE APPLICATION OF "BEST MANAGEMENT PRACTICES".
8. WHERE FEASIBLE, NO MORE THAN 500 FEET OF TRENCH SHALL BE OPEN AT ONE TIME. EXCAVATED MATERIAL SHALL BE PLACED ON THE UP-HILL SIDE OF TRENCHES PROVIDED IT DOES NOT CONFLICT WITH SAFETY REQUIREMENTS.
9. DEWATERING DEVICES SHALL DISCHARGE INTO A SEDIMENT TRAP OR SEDIMENT POND. NO DISCHARGE SHALL BE MADE TO A PAVED STREET OR STORMWATER COLLECTION SYSTEM WITHOUT FIRST REMOVING SEDIMENT.
10. CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. EROSION SHALL BE CONTROLLED AND PREVENTED BY SUCH MEASURES AS ROUGHENING THE SURFACE, INSTALLATION OF INTERCEPTOR DITCHES, TERRACING, COVERING WITH MATTING, MULCH OR PLASTIC SHEETING. RUNOFF SHALL BE PREVENTED FROM ENTERING A SLOPE AND FROM UNDERCUTTING THE BASE OF SLOPES.
11. ANY SOIL OR DEBRIS TRANSPORTED ONTO ROADWAYS AND SIDEWALKS SHALL BE REMOVED. DEPOSITS SHALL BE COMPLETELY REMOVED BY SHOVELING AND/OR SWEEPING. WASHING SHALL NOT BE UTILIZED UNLESS SPECIFICALLY APPROVED IN WRITING BY THE COUNTY.
12. ALL PERMANENT INFILTRATION SYSTEMS SHALL BE ISOLATED AND PROTECTED FROM SEDIMENT LADEN RUNOFF ENTERING TO AVOID RISK OF REDUCING THE ABILITY OF THE SYSTEMS TO INFILTRATE. ISOLATION AND PROTECTION SHALL NOT BE REMOVED UNTIL THE DRAINAGE AREA TRIBUTARY TO THE SYSTEM IS COMPLETELY STABILIZED.
13. ALL CONVEYANCE CHANNELS, BOTH TEMPORARY AND PERMANENT SHALL BE STABILIZED TO PREVENT EROSION OF THE CHANNEL. STABILIZATION SHALL EXTEND TO AREAS AT OUTLETS AND DOWNSTREAM REACHES VULNERABLE TO EROSION RESULTING FROM FLOW DISCHARGING FROM THE CHANNEL.
14. IF BMP'S SHOWN ARE UTILIZED BUT ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHTS-OF-WAY; ADDITIONAL BMP'S SHALL BE IMPLEMENTED IMMEDIATELY TO PREVENT FURTHER ENCROACHMENT OF SEDIMENT.
15. STABILIZED AREAS SHALL BE PROVIDED FOR EMPLOYEE PARKING AND STORAGE OF CONSTRUCTION MATERIALS. ERODEABLE STOCKPILES OF EARTHEN MATERIALS, SUCH AS TOPSOIL, SILTY AND CLAYEY SOILS; AND LANDSCAPE MATERIALS, SHALL BE COVERED WHEN NOT BEING INCORPORATED IN THE WORK. EROSION CONTROL BMP'S SHALL BE UTILIZED AS NECESSARY TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING OR SEDIMENT BEING TRANSPORTED FROM THESE AREAS FROM VEHICLE ACTIVITY.
16. ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORM WATER.
17. THE CONTRACTOR SHALL KEEP AN INSPECTION LOG OF THE CONDITION OF THE EROSION CONTROL FACILITIES. EROSION CONTROL FACILITIES SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RAINFALL. THE INSPECTION LOG SHALL BE KEPT AT THE PROJECT SITE AT A DESIGNATED LOCATION AND SHALL BE AVAILABLE FOR REVIEW BY THE COUNTY. AN INDIVIDUAL THAT HAS SUCCESSFULLY COMPLETED THE COUNTY'S EROSION CONTROL CERTIFICATION COURSE SHALL PERFORM INSPECTIONS AND MAINTAIN THE LOG.
18. ALL TEMPORARY BMP'S SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED. TRAPPED SEDIMENT SHALL BE DEPOSITED AND STABILIZED ON SITE. AREAS DISTURBED RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
19. CONSTRUCTION SHALL NOT BE CONSIDERED COMPLETE AND ACCEPTABLE UNTIL ALL DISTURBED SOIL SURFACES HAVE BEEN PROTECTED FROM EROSION WITH PERMANENT LANDSCAPING, COVERING WITH IMPERVIOUS SURFACES, RESTORED TO ORIGINAL UNDISTURBED CONDITION OR PERMANENTLY STABILIZED.
20. VEGETATED STABILIZATION AND LANDSCAPING SHALL BE FERTILIZED, WATERED AND MAINTAINED TO INSURE THAT GROWTH OF VEGETATION IS ESTABLISHED AND SUSTAINED.
21. DURING DRY WEATHER CONSTRUCTION PERIODS THE CONTRACTOR SHALL PROVIDE PROJECT-SPECIFIC DUST CONTROL MEASURES THAT MAY INCLUDE: SEEDING, MULCHING, MATTING, WATER, TACKIFIER, OR CHEMICAL SOIL STABILIZERS. THE CONTRACTOR SHALL MAINTAIN THE DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED. IMMEDIATELY RE-STABILIZE AREAS DISTURBED BY CONTRACTOR'S OPERATIONS OR OTHER ACTIVITIES (WIND, WATER, VANDALISM, ETC.).
22. ENTRY ONTO THE CONSTRUCTION SITE SHALL BE RESTRICTED TO A SINGLE APPROVED ENTRANCE AS SHOWN ON THE PLAN.
23. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES WHICH INVOLVE POTENTIAL CONTAMINANTS (OIL,SOLVENTS,HYDRAULIC FLUID, ETC.) MUST BE CONDUCTED IN A MANNER WHICH PREVENTS CONTAMINATION OF SOILS, SURFACE WATER AND GROUND WATER. TARPS, DRIP PANS, OR OTHER APPROPRIATE MEASURES SHALL BE USED AS NECESSARY.
24. STRIPPING, TOPSOIL, AND UNSUITABLE MATERIAL STOCKPILES SHALL BE HYDROSEEDED WITH "REGREEN WHEAT X WHEAT GRASS HYBRID" BY HOBBS AND HOBKINS (OR APPROVED EQUAL). MAINTENANCE OF STOCKPILE AREAS AND REAPPLICATION OF HYDROSEED COVERING SHALL BE REQUIRED IF BARE SOIL IS PRESENT. DURING WINTER AND WET WEATHER CONDITIONS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING.

NOTE:
SIGNIFICANT VARIATION AND DEGREE OF EROSION CONTROL EFFORT WILL BE DICTATED BY WEATHER CONDITIONS. THE DEVELOPER AND CONTRACTOR SHOULD BE PREPARED TO PROVIDE EXTRA EROSION CONTROL PROVISIONS AND EFFORT DURING WINTER AND WET WEATHER CONDITIONS BEYOND THAT NORMALLY REQUIRED DURING SUMMER AND DRY WEATHER CONDITIONS. FINE GRAINED AND UNCONSOLIDATED SOILS ON SLOPING SITES MAY BECOME UNSTABLE WHEN SUBJECT TO EXCESSIVE MOISTURE.

GENERAL SHEET NOTES

1. THIS IS A STANDARD LEGEND SHEET. THEREFORE, ALL THE SYMBOLS SHOWN MIGHT NOT BE USED ON THIS PROJECT.

JOHN BALDWIN — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DR	REVISION	CHK	BY	APVD
DSGN	E BRUSSE	J PFEIFER		M BALDWIN	B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
CIVIL
EROSION CONTROL
NOTES AND LEGEND

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-006
SHEET	6 of 71

FILENAME: 01-G-006_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 06:52

DESIGN CRITERIA

1. APPLICABLE CODE: 2021 INTERNATIONAL BUILDING CODE (IBC), AS AMENDED BY THE STATE OF WASHINGTON AND ALL OTHER APPLICABLE LOCAL AGENCIES.

2. REFER TO THE DRAWINGS FOR ADDITIONAL AND SPECIFIC STRUCTURE LOADINGS AND REQUIREMENTS.

3. ALL LOADS SHOWN ARE UNFACTORED UNLESS SPECIFICALLY NOTED OTHERWISE.

4. DEAD LOADS:
   SELF WEIGHT

5. ROOF LOADS:

GROUND SNOW LOAD, Pg	= 30 PSF
TERRAIN CATEGORY	= B
SNOW EXPOSURE FACTOR, Ce	= 1.1
THERMAL FACTOR, Ct	= 1.2
IMPORTANCE FACTOR, I	= 1.1
MINIMUM FLAT ROOF SNOW LOAD, Pf	= 25 PSF
LIVE LOAD	= 20 PSF

   DEFLECTION CRITERIA FOR CONTRACTOR DESIGNED ROOF FRAMING MEMBERS:

TOTAL LOAD	L/180
LIVE LOAD	L/240
SNOW LOAD	L/240

   WHERE L IS THE MEMBER SPAN LENGTH

6. FLOOR LIVE LOADS:

MECHANICAL ROOM	200 PSF
CORRIDORS, EXITS, STAIRS	100 PSF
WALKWAYS AND ELEVATED PLATFORMS	100 PSF

7. WIND LOADS:

ASCE 7 METHOD	= ALL HEIGHTS DIRECTIONAL PROCEDURE
BASIC WIND SPEED (3-SECOND GUST)	= 155 MPH
EXPOSURE CATEGORY	= C
INTERNAL PRESSURE COEFFICIENT, GCpi	= +/- 0.18
RISK CATEGORY	= III

   COMPONENT AND CLADDING WALL ELEMENTS (WINDOWS, DOORS, LOUVERS, SIDING ETC) = 47 PSF FOR 10 FT^2

8. SEISMIC LOADS:
   MAPPED SPECTRAL RESPONSE ACCELERATIONS

S_S	= 0.82g
S_1	= 0.39g

   DESIGN SPECTRAL RESPONSE ACCELERATIONS

S_{DS}	= 0.66g
S_{D1}	= 0.49g
SITE CLASS	= D
RISK CATEGORY	= III
SEISMIC DESIGN CATEGORY	= D
IMPORTANCE FACTOR, Ie	= 1.25

   STRUCTURES HAVE BEEN ANALYZED USING THE EQUIVALENT LATERAL FORCE PROCEDURES OF ASCE 7.

9. LATERAL FORCE-RESISTING SYSTEMS (LFRS): SEE FACILITY DRAWINGS

10. SOIL DESIGN PARAMETERS:
    A. NET ALLOWABLE SOIL BEARING PRESSURES: 3000 PSF

    B. EQUIVALENT DRAINED FLUID PRESSURES (NATIVE SOILS): AT REST 55 PCF, ACTIVE 35 PCF, PASSIVE 240 PCF

    C. DYNAMIC ACTIVE INCREMENT FLUID PRESSURES TO BE ADDED TO STATIC ACTIVE VALUE: 62 PCF LOCATED 0.6 x HEIGHT FROM BOTTOM OF WALL (INVERTED TRIANGLE DISTRIBUTION)

    D. VERTICAL SURCHARGE: 2 FT OF SOIL WEIGHT
    E. COEFFICIENT OF FRICTION: 0.55
    F. NATIVE SOIL UNIT WEIGHT: 115 PCF
    G. GROUND WATER (GW) ELEVATION:
       NORMAL HIGH GW EL 11 FEET
    H. FACTOR OF SAFETY FOR UPLIFT RESISTANCE (SOIL FRICTION AND WEDGE FAILURE NOT CONSIDERED):
       NORMAL HIGH GW ELEVATION: FOS = 1.25

11. FROST DEPTH: 12 IN

GENERAL INFORMATION

1. FOR ABBREVIATIONS NOT LISTED, SEE ASME Y14.38 "ABBREVIATIONS AND ACRONYMS: PUBLICATION AS DISTRIBUTED BY THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME).

2. DESIGN DETAILS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS OCCURRING THROUGHOUT THE PROJECT, WHETHER OR NOT THEY ARE INDIVIDUALLY CALLED OUT.

3. VERIFY FINAL OPENING DIMENSIONS IN WALLS, SLABS, AND DECKS WITH OTHER DISCIPLINE DRAWINGS PRIOR TO CONSTRUCTION OF THESE ELEMENTS.

4. FOR NUMBER, TYPE, SIZE, ARRANGEMENT, AND/OR LOCATION OF EQUIPMENT PADS, SEE OTHER DISCIPLINE DRAWINGS. COORDINATE WITH EQUIPMENT SUPPLIER PRIOR TO PLACING SLABS, WALLS AND FOUNDATIONS. COORDINATE PIPING OPENINGS WITH OTHER DISCIPLINE DRAWINGS.

5. DO NOT CUT OR MODIFY STRUCTURAL MEMBERS FOR PIPES, DUCTS, ETC, UNLESS SPECIFICALLY DETAILED OR APPROVED IN WRITING BY THE ENGINEER.

6. VISITS TO THE JOB SITE BY THE ENGINEER TO OBSERVE THE CONSTRUCTION DO NOT IN ANY WAY MEAN THAT ENGINEER IS GUARANTOR OF CONSTRUCTOR'S WORK, NOR RESPONSIBLE FOR THE COMPREHENSIVE OR SPECIAL INSPECTIONS, COORDINATION, SUPERVISION, OR SAFETY AT THE JOB SITE.

7. INFORMATION (DETAILING, DIMENSIONS, CONFIGURATIONS, AND ELEVATIONS, ETC.) OF EXISTING CONSTRUCTION SHOWN REFLECTS AVAILABLE EXISTING DESIGN DOCUMENTS, AND DOES NOT NECESSARILY REPRESENT THE AS-CONSTRUCTED CONDITIONS. THE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS, ELEVATIONS AND DETAILING OF THE EXISTING STRUCTURES PRIOR TO UNDERTAKING ANY WORK THAT IS AFFECTED BY THE EXISTING STRUCTURE.

FOUNDATIONS

1. GEOTECHNICAL DATA REPORT: GEOTECHNICAL DATA REPORT, PHASE 5B PROJECT - SALMON CREEK TREATMENT PLANT IMPROVEMENTS, PREPARED BY JACOBS, DATED AUGUST 2019.

2. EXCAVATIONS SHALL BE SHORED AS NEEDED TO PREVENT SUBSIDENCE OR DAMAGE TO ADJACENT EXISTING STRUCTURES, ROADS, UTILITIES, ETC.

3. FOUNDATION SLABS, SLABS-ON-GRADE AND WALL AND COLUMN FOUNDATIONS SHALL BEAR ON A MINIMUM OF 12 INCHES OF COMPACTED GRANULAR FILL.

4. AS REQUIRED BY CODE, FOUNDATION BEARING SURFACES SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FORMWORK OR REINFORCING STEEL. THE OBSERVATION SHALL VERIFY IF THE ACTUAL EXPOSED SUBGRADE IS AS ANTICIPATED BY THE ENGINEER.

5. NO BACKFILL SHALL BE PLACED BEHIND WALLS UNTIL THE WALLS HAVE ATTAINED 100 PERCENT AND TOP SUPPORTING SLAB'S CONCRETE HAS ATTAINED 80 PERCENT OF THEIR SPECIFIED 28 DAY COMPRESSIVE STRENGTH.

6. NO BACKFILL SHALL BE PLACED BEHIND CANTILEVERED, FREE TOP WALLS UNTIL THE CONCRETE HAS ATTAINED 100 PERCENT OF ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.

FORMWORK, SHORING, AND BRACING

1. STRUCTURES SHOWN ON THE DRAWINGS HAVE BEEN DESIGNED FOR STABILITY UNDER FINAL CONDITIONS ONLY. DESIGN SHOWN DOES NOT INCLUDE NECESSARY COMPONENTS OR EQUIPMENT FOR STABILITY OF THE STRUCTURES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR WORK RELATING TO CONSTRUCTION ERECTION METHODS, BRACING, SHORING, RIGGING, GUYS, SCAFFOLDING, FORMWORK, AND OTHER WORK AIDS REQUIRED TO SAFELY PERFORM THE WORK SHOWN.

2. TEMPORARY SHORING SHALL REMAIN IN PLACE UNTIL ELEVATED CONCRETE FLOOR OR SLABS HAVE REACHED 80 PERCENT OF THE 28 DAY COMPRESSIVE STRENGTH AS DETERMINED BY FIELD CYLINDER BREAKS.

3. "BURY"BARS OR "CARRIER"BARS ARE NOT ALLOWED FOR THE BOTTOM MATS OF REINFORCING IN ALL ELEVATED SLABS AND ARE NOT ALLOWED FOR THE TOP MATS OF REINFORCING IN ELEVATED SLABS LESS THAN 12 INCHES THICK.

CONCRETE REINFORCING

1. REINFORCING STEEL:
   TYPICAL: ASTM A615, GRADE 60
   WELDED: ASTM A706, GRADE 60 (WELDING IS ONLY PERMITTED WITH WRITTEN PERMISSION FROM ENGINEER)

2. FABRICATION AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CRSI MSP-1 "MANUAL OF STANDARD PRACTICE"AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE".

3. CONCRETE COVER FOR REINFORCING, UNLESS SHOWN OTHERWISE, SHALL BE:
   WHEN PLACED ON GROUND: 3"
   OTHER CONCRETE SURFACES 2"

4. REFER TO WALL CORNER AND WALL INTERSECTION REINFORCING DETAIL 0330-003. WALL CORNER REINFORCING SIZES AND SPACINGS SHALL BE AS SHOWN ON THE DRAWINGS AND REFERENCED TO THIS DETAIL. TYPICAL HORIZONTAL WALL REINFORCING SHALL LAP WITH THE CORNER HORIZONTAL REINFORCING.

5. 90 DEGREE BENDS, UNLESS OTHERWISE SHOWN, SHALL BE ACI 318 STANDARD HOOKS.

6. WALL CORNER AND WALL INTERSECTION REINFORCEMENT BARS SHALL BE CONTINUOUS AROUND CORNERS AND THROUGH COLUMNS OR PILASTERS. REINFORCEMENT SHALL BE EXTENDED INTO CONNECTING WALLS AND LAPPED ON THE OPPOSITE FACE OF THE CONNECTING WALLS, AS INDICATED IN DETAIL 0330-003.

7. WALL FOOTING CORNER AND INTERSECTION REINFORCEMENT BARS SHALL BE EXTENDED INTO CONNECTING FOOTINGS AND LAPPED ON THE OPPOSITE FACE OF THE CONNECTING FOOTING. OUTSIDE FACE WALL FOOTING REINFORCEMENT SHALL BE LAPPED WITH CORNER BARS. ALL WALL FOOTING REINFORCEMENT SHALL BE CONTINUOUS THROUGH COLUMNS OR PILASTERS FOOTINGS.

CONCRETE REINFORCING (CONTINUED)

8. LAP VERTICAL WALL BARS WITH DOWELS FROM BASE SLABS AND EXTEND INTO TOP FACE OF ROOF SLABS AND LAP WITH TOP SLAB REINFORCEMENT. PROVIDE A MINIMUM OF FOUR FULL HEIGHT VERTICAL BARS WITH MATCHING DOWELS AT WALL ENDS, CORNERS AND INTERSECTIONS WITH SIZE TO MATCH TYPICAL VERTICAL REINFORCING STEEL SHOWN OR REQUIRED BY NOTES ABOVE.

9. LOCATE ELEVATED SLAB TOP BAR SPLICES AT MIDSPAN AND BOTTOM BAR SPLICES AT SUPPORTS.

10. REINFORCING STEEL FOR FOOTINGS AND SLABS ON GRADE SHALL BE ADEQUATELY SUPPORTED ON BAR SUPPORTS WITH SPACERS TO KEEP REINFORCING ABOVE THE PREPARED GRADE. LIFTING REINFORCING OFF GRADE DURING CONCRETE PLACEMENT IS NOT PERMITTED.

11. INSTALL BAR SUPPORTS AT VAPOR BARRIER THAT WILL NOT DAMAGE BARRIER. INSPECT BARRIER AFTER REINFORCING INSTALLATION AND REPAIR ANY DAMAGE PRIOR TO CONCRETE PLACEMENT.

12. REFER TO OPENING REINFORCING DETAIL 0330-001 FOR REINFORCING AT ALL OPENINGS.

13. REINFORCEMENT BENDS AND LAPS, UNLESS OTHERWISE NOTED, SHALL SATISFY THE FOLLOWING MINIMUM REQUIREMENTS:

CONCRETE DESIGN STRENGTH = 4,000 PSI AT 28 DAYS[3] GRADE 60 REINFORCING STEEL

BAR SIZE		#3	#4	#5	#6	#7	#8	#9	#10	#11
LAP SPLICE LENGTH										
SPACING = 3"	TOP BAR [2]	1'-4"	1'-8"	2'-1"	3'-0"	5'-2"	6'-8"	8'-6"	10'-10"	13'-4"
	OTHER BAR	1'-4"	1'-4"	1'-8"	2'-4"	4'-0"	5'-2"	6'-7"	8'-4"	10'-3"
SPACING = 4"	TOP BAR [2]	1'-4"	1'-8"	2'-0"	2'-5"	3'-10"	5'-0"	6'-5"	8'-1"	10'-0"
	OTHER BAR	1'-4"	1'-4"	1'-7"	1'-10"	3'-0"	3'-11"	4'-11"	6'-3"	7'-8"
SPACING ≥ 6"	TOP BAR [2]	1'-4"	1'-8"	2'-0"	2'-5"	3'-6"	4'-0"	5'-0"	6'-2"	7'-5"
	OTHER BAR	1'-4"	1'-4"	1'-7"	1'-10"	2'-9"	3'-1"	3'-10"	4'-9"	5'-8"
EMBEDMENT LENGTH										
SPACING = 3"	TOP BAR [2]	1'-0"	1'-3"	1'-8"	2'-4"	4'-0"	5'-2"	6'-7"	8'-4"	10'-3"
	OTHER BAR	1'-0"	1'-0"	1'-3"	1'-10"	3'-1"	4'-0"	5'-1"	6'-5"	7'-11"
SPACING = 4"	TOP BAR [2]	1'-0"	1'-3"	1'-7"	1'-10"	3'-0"	3'-11"	4'-11"	6'-3"	7'-8"
	OTHER BAR	1'-0"	1'-0"	1'-3"	1'-5"	2'-4"	3'-0"	3'-10"	4'-10"	5'-11"
SPACING ≥ 6"	TOP BAR [2]	1'-0"	1'-3"	1'-7"	1'-10"	2'-9"	3'-1"	3'-10"	4'-9"	5'-8"
	OTHER BAR	1'-0"	1'-0"	1'-3"	1'-5"	2'-1"	2'-5"	3'-0"	3'-8"	4'-5"

1. LAP LENGTHS ARE BASED ON MINIMUM CONCRETE COVER OF 2". LONGER LENGTHS ARE REQUIRED FOR CONCRETE COVER LESS THAN 2".
2. TOP BARS SHALL BE DEFINED AS ANY HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR IN ANY SINGLE POUR. HORIZONTAL WALL BARS ARE CONSIDERED TOP BARS.
3. WHERE 3000 PSI CONCRETE IS USED, INCREASE ABOVE LENGTHS BY 16 PERCENT. WHERE 3500 PSI CONCRETE IS USED, INCREASE ABOVE LENGTHS BY 7 PERCENT.

CAST IN PLACE CONCRETE

1. 28-DAY COMPRESSIVE STRENGTHS:

TYPICAL STRUCTURAL CONCRETE:	4500 PSI
CURBS AND SIDEWALKS:	3500 PSI
DUCT BANKS AND PIPE ENCASEMENTS NOT INTEGRAL WITH FOUNDATION:	3500 PSI

2. 56-DAY COMPRESSIVE STRENGTHS:

TYPICAL STRUCTURAL CONCRETE:	5000 PSI
ALL OTHERS:	NO 56 DAY REQUIREMENT

3. DESIGN STRENGTHS ARE SAME AS 28-DAY COMPRESSIVE STRENGTHS.

4. CONTINUOUS WATERSTOP AS SPECIFIED SHALL BE INSTALLED IN CONSTRUCTION JOINTS OF WATER HOLDING BASINS, CHANNELS, AND BELOW GRADE STRUCTURES, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.

5. CONSTRUCTION JOINTS INDICATED ARE SUGGESTED LOCATIONS. CONTRACTOR MAY REVISE LOCATION OF JOINTS, SUBJECT TO SPECIFIED REQUIREMENTS. LAYOUT SHOWING ALL CONSTRUCTION JOINT LOCATIONS SHALL BE SUBMITTED FOR REVIEW BY ENGINEER.

6. ROUGHEN AND CLEAN CONSTRUCTION JOINTS IN WALLS AND SLABS AS SPECIFIED PRIOR TO PLACING ADJACENT CONCRETE.

7. COORDINATE PLACEMENT OF OPENINGS, CURBS, DOWELS, SLEEVES, CONDUITS, BOLTS AND INSERTS PRIOR TO PLACEMENT OF CONCRETE.

8. NO ALUMINUM CONDUIT OR PRODUCTS CONTAINING ALUMINUM OR ANY OTHER MATERIAL INJURIOUS TO THE CONCRETE SHALL BE EMBEDDED IN THE CONCRETE.

9. DO NOT PLACE CONDUIT PARALLEL TO BEAM OR COLUMN REINFORCEMENT UNLESS SPECIFICALLY INDICATED IN DRAWINGS.

10. PATCH FORM TIE HOLES AS SPECIFIED.

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25615 — REGISTERED PROFESSIONAL ENGINEER — CIVIL

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	REVISION	BY	APVD
		K MILAJ	A GAWOR	B BLASEN	B FULLER			

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

GENERAL
STRUCTURAL NOTES 1

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-007
SHEET	7 of 71

FILENAME: 01-G-007_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:31

WELDING

1. WELDS SHALL CONFORM TO AMERICAN WELDING SOCIETY (AWS):
   D1.1, STRUCTURAL WELDING CODE STEEL
   D1.2, STRUCTURAL WELDING CODE ALUMINUM
   D1.3, STRUCTURAL WELDING CODE SHEET STEEL
   D1.6, STRUCTURAL WELDING CODE STAINLESS STEEL

2. REPAIR WELDS FOUND DEFECTIVE IN ACCORDANCE WITH AWS D1.1 SECTION 5.26.

3. USE INTERMITTENT WELDS AT FIELD WELDS OF EMBED PLATES AND ANGLES TO AVOID SPALLING OR CRACKING OF THE EXISTING CONCRETE.

4. BUTT JOINT WELDS SHALL BE COMPLETE JOINT PENETRATION (CJP) UNLESS INDICATED OTHERWISE.

STRUCTURAL STEEL AND METAL FABRICATIONS

1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM STANDARDS:

MISCELLANEOUS SHAPES INCLUDING	
W-SHAPES	A992
ANGLES, CHANNELS, PLATES, ETC.	A36
MOMENT CONNECTION CONTINUITY PLATES	A572, GRADE 50
HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C OR ASTM A1085
STAINLESS STEEL SHAPES	A276

2. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN CONFORMANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, CURRENT EDITION, AND CURRENT OSHA STANDARDS.

3. FASTENERS SHALL BE HIGH STRENGTH BOLTS CONFORMING TO THE FOLLOWING ASTM STANDARDS EXCEPT WHERE SPECIFICALLY INDICATED OTHERWISE:

UNLESS SHOWN OTHERWISE	A325-N
SLIP CRITICAL	A325-SC
DIRECT TENSION INDICATORS OR LOAD INDICATING WASHERS	ASTM F959
TENSION CONTROL (TC) BOLTS	ASTM A325 AND ASTM F1852
ANCHOR BOLTS (AB)	
STAINLESS STEEL	F593, AISI TYPE 316, CONDITION CW
STEEL OR GALVANIZED STEEL	F1554, GR 36 / A153

4. ITEMS TO BE EMBEDDED IN CONCRETE SHALL BE CLEAN AND FREE OF OIL, DIRT AND PAINT.

5. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS. NO CUTTING OR BURNING OF STRUCTURAL STEEL IS PERMITTED WITHOUT APPROVAL OF ENGINEER.

STEEL DECKING

1. FOR DECK SIZE, GAGE, AND FASTENING CONFIGURATIONS, SEE FRAMING PLANS. FASTENING CONFIGURATIONS SHOWN ARE SPECIFIC TO THE DECK PRODUCT USED AS BASIS OF DESIGN. CONTRACTOR SHALL FASTEN THE DECKING IN ACCORDANCE WITH INSTALLED DECK MANUFACTURER'S RECOMMENDATIONS TO MEET SPECIFIED CAPACITY REQUIREMENTS.

2. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE SHEET STEEL".

3. DECKING SHALL HAVE A MINIMUM 1 1/2 INCHES BEARING ON SUPPORTS.

4. DECKING SHALL BE CONTINUOUS OVER THREE SPANS MINIMUM, EXCEPT WHERE SHOWN OTHERWISE.

5. FLOOR DECK RECEIVING CONCRETE FILL SHALL BE COMPOSITE TYPE.

6. WELD DECK TO DRAG STRUTS AND TOP OF WALL ANGLE TIES WITH 5/8 INCH PUDDLE WELDS AT 0'-6" ON CENTER, UNLESS OTHERWISE NOTED. LOCATE ANGLE IN DECK VALLEY.

7. LOCATE OPENINGS FOR EQUIPMENT PER OTHER DISCIPLINE DRAWINGS.

8. REINFORCE DECK FOR LARGER OPENINGS PER DETAIL 0531-021. REINFORCE SMALL OPENINGS AS SPECIFIED.

9. COMPOSITE STRUCTURAL STEEL BEAMS HAVE BEEN DESIGNED FOR "UNSHORED CONDITION" DURING CONSTRUCTION, AND WILL DEFLECT UNDER WET CONCRETE LOADS. TO ACHIEVE THE FINISHED TOP OF CONCRETE INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL, AT NO ADDITIONAL COST TO THE OWNER, PROVIDE THE ADDITIONAL CONCRETE.

DEFERRED SUBMITTALS

1. DEFERRED SUBMITTALS ARE THOSE PORTIONS OF THE DESIGN WHICH ARE NOT SUBMITTED AT THE TIME OF PERMIT APPLICATION AND WHICH ARE TO BE SUBMITTED TO THE PERMITTING AGENCY FOR ACCEPTANCE PRIOR TO INSTALLATION OF THAT PORTION OF THE WORK OR ARE REQUIRED TO BE SUBMITTED FOR REVIEW ONLY BY THE ENGINEER.

2. WHERE DEFERRED SUBMITTALS INCLUDE ADDITIONAL MATERIALS, INSTALLATION, ANCHORAGE, OR CERTIFICATION OF COMPONENTS THAT REQUIRE SPECIAL INSPECTION AND/OR STRUCTURAL OBSERVATION TO MEET CODE REQUIREMENTS, THE DEFERRED SUBMITTAL SHALL INCLUDE SPECIFIC LINE ITEMS TO BE ADDED TO THE APPROPRIATE TABLES IN THE PROJECT'S STATEMENT OF SPECIAL INSPECTIONS PLAN IF THEY ARE NOT ALREADY IDENTIFIED.

3. THE FOLLOWING IS A LIST OF DEFERRED SUBMITTALS PER 2021 IBC THAT ARE EXPECTED TO CONTAIN STRUCTURAL CALCULATIONS OR SAFETY RELATED SYSTEM INFORMATION FOR REVIEW TO MEET BUILDING PERMITTING REQUIREMENTS FOR DESIGNED SYSTEMS. PRIOR TO INSTALLATION OF THE INDICATED STRUCTURAL ELEMENT, EQUIPMENT, DISTRIBUTION SYSTEM, OR COMPONENT OR ITS ANCHORAGE, THE CONTRACTOR SHALL SUBMIT THE REQUIRED CALCULATIONS AND SUPPORTING DATA AND DRAWINGS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER. ITEMS INDICATED BELOW TO REQUIRE "REVIEW BY PERMITTING AGENCY" SHALL BE SUBMITTED BY THE CONTRACTOR TO THE PERMITTING AGENCY AND APPROVED PRIOR TO INSTALLATION OF THESE ITEMS. SUBMITTAL TO THE PERMITTING AGENCY SHALL INCLUDE THE COMPLETED, FINAL SUBMITTAL INCLUDING ENGINEER'S COMMENT FORM INDICATING ACCEPTANCE.

SPECIFICATION SECTION	CODE REQUIRED DEFERRED SUBMITTALS FOR REVIEW BY PERMITTING AGENCY
01 88 15	ANCHORAGE AND BRACING
05 52 16	ALUMINUM RAILINGS
OTHER	ANY EQUIPMENT OR COMPONENT IN WHICH A TECHNICAL SPECIFICATION REQUIRES SUBMITTAL OF EQUIPMENT SYSTEM CALCULATIONS

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25826 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD
		K MILAJ	A GAWOR	B BLASEN	APVD

REVISION BY APVD: B FULLER

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
STRUCTURAL NOTES 2

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-008
SHEET	8 of 71

FILENAME: 01-G-008_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:31

STATEMENT OF SPECIAL INSPECTIONS

GENERAL NOTES:

1. THE STATEMENT OF SPECIAL INSPECTIONS PROVIDE PROJECT COMPLIANCE WITH THE PROVISIONS OF THE 2021 INTERNATIONAL BUILDING CODE (IBC) CHAPTER 17 FOR SPECIAL INSPECTION, STRUCTURAL OBSERVATION, AND TESTING FOR WIND AND SEISMIC RESISTANCE AS APPLICABLE. EXCEPT WHERE OTHERWISE NOTED, THIS INSPECTION IS OWNER FURNISHED.

2. STANDARD SPECIAL INSPECTION REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS ARE CONTAINED IN TABLE 1.

3. STANDARD SPECIAL INSPECTION REQUIREMENTS FOR STRUCTURAL COMPONENTS, REGARDLESS OF WIND OR SEISMIC DESIGN CATEGORIES, ARE CONTAINED IN TABLE 2. STANDARD TESTING REQUIREMENTS FOR STRUCTURAL COMPONENTS ARE CONTAINED IN TABLE 3.

4. PROJECT SPECIFIC REQUIREMENTS FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORIES C, D, E, OR F ARE CONTAINED IN TABLE 4. ADDITIONAL TESTING REQUIREMENTS FOR STRUCTURAL RESISTANCE ARE CONTAINED IN TABLE 6.

5. PROJECT SPECIFIC REQUIREMENTS FOR STRUCTURES SUBJECT TO ALLOWABLE STRESS DESIGN WIND SPEEDS IN EXCESS OF 110 MPH ARE CONTAINED IN TABLE 5.

6. FOR ADDITIONAL REQUIREMENTS, REFER TO SPECIFICATION SECTION 01 45 33, SPECIAL INSPECTION, OBSERVATION, AND TESTING. THESE INCLUDE:
   A. CONTRACTOR'S REQUIREMENTS TO PROVIDE ACCESS TO THE WORK FOR REQUIRED INSPECTIONS, AND TO PROVIDE NOTICE OF REQUIRED INSPECTIONS AND STRUCTURAL OBSERVATION.
   B. CONTRACTOR'S STATEMENT OF RESPONSIBILITY FOR WORK TO BE PERFORMED ON SYSTEMS DESIGNATED UNDER THE STATEMENT OF SPECIAL INSPECTIONS FOR WIND OR SEISMIC RESISTANCE.
   C. DEFINITIONS AND TERMINOLOGY USED IN THIS STATEMENT OF SPECIAL INSPECTIONS.

SPECIAL INSPECTION:

1. SPECIAL INSPECTION WILL BE IN ACCORDANCE WITH IBC SECTIONS 1704 AND 1705 TOGETHER WITH LOCAL AND STATE AMENDMENTS. REFER TO THE FOLLOWING TABLES FOR PROJECT SPECIFIC INSPECTION TYPES AND FREQUENCIES.

2. SPECIAL INSPECTIONS WILL BE PROVIDED BY A CERTIFIED OR QUALIFIED INSPECTOR AND ASSOCIATED TESTING WILL BE PERFORMED BY AN APPROVED ACCREDITED INDEPENDENT AGENCY. THE OWNER WILL SECURE AND PAY FOR THE SERVICES OF THE AGENCY TO PERFORM ALL SPECIAL INSPECTION AND ASSOCIATED TESTS. INSPECTORS FOR EACH SYSTEM AND MATERIAL WILL BE INTERNATIONAL CODE COUNCIL (ICC) CERTIFIED OR OTHERWISE APPROVED BY THE BUILDING OFFICIAL.

3. THE SPECIAL INSPECTOR WILL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONTRACT DOCUMENTS AND SUBMIT RECORDS OF INSPECTION. ALL DISCREPANCIES WILL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.

4. SPECIAL INSPECTION AND ASSOCIATED TESTING REPORTS WILL BE SUBMITTED TO THE ENGINEER, CONTRACTOR, BUILDING OFFICIAL, AND OWNER WITHIN ONE WEEK OF INSPECTION OR WITHIN ONE WEEK OF TEST COMPLETION. INSPECTIONS FOR WHICH REPORTING WILL BE REQUIRED ARE NOTED IN THE FOLLOWING TABLES.

5. AT THE CONCLUSION OF CONSTRUCTION, A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF PREVIOUSLY NOTED DISCREPANCIES WILL BE SUBMITTED.

GEOTECHNICAL OBSERVATION:

1. ALL FOUNDATION BEARING SURFACES SHALL BE INSPECTED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF GRANULAR FILL, GEOTEXTILE, OR REINFORCING STEEL. ADDITIONAL SPECIAL INSPECTION REQUIREMENTS ARE LISTED IN TABLE 1.

2. GEOTECHNICAL TESTING REQUIREMENTS ARE LISTED IN TABLE 3.

STRUCTURAL OBSERVATION

1. STRUCTURAL OBSERVATION WILL BE IN ACCORDANCE WITH IBC SECTION 1704.6 TOGETHER WITH LOCAL AND STATE AMENDMENTS.

2. ONSITE STRUCTURAL OBSERVATION WILL BE PERFORMED FOR EACH IDENTIFIED SEISMIC FORCE- OR WIND FORCE-RESISTING SYSTEM, INCLUDING FOUNDATIONS AND CONNECTIONS. REFER TO THE GENERAL STRUCTURAL NOTES, DRAWINGS FOR THE BASIC SEISMIC AND WIND FORCE-RESISTING SYSTEMS FOR THE STRUCTURES INCLUDED IN THE WORK.

3. STRUCTURAL OBSERVATION WILL BE PERFORMED BY A REGISTERED PROJECT DESIGN PROFESSIONAL FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR ANY REQUIRED SPECIAL INSPECTIONS OR INSPECTIONS BY THE BUILDING OFFICIAL.

4. STRUCTURAL OBSERVATION REPORTS, NOTING ANY DEFICIENCIES IN OBSERVED CONSTRUCTION, WILL BE DELIVERED TO THE CONTRACTOR, BUILDING OFFICIAL, AND OWNER FOLLOWING EACH OBSERVATION. THE CONTRACTOR WILL BE NOTIFIED ONSITE OR BY PHONE OR E-MAIL WITHIN 24 HOURS UPON FINDING DEFICIENCIES.

5. AT THE CONCLUSION OF CONSTRUCTION, A WRITTEN STATEMENT WILL BE PROVIDED TO VERIFY THAT THE STRUCTURAL OBSERVATION SITE VISITS WERE MADE AND WHETHER THERE REMAIN ANY STRUCTURAL DEFICIENCIES THAT HAVE NOT BEEN RESOLVED.

6. STRUCTURAL OBSERVATION WILL INCLUDE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM FOR EACH STRUCTURE CONTAINED IN THE WORK. THE CONTRACTOR SHALL SCHEDULE AND FACILITATE STRUCTURAL OBSERVATION, INCLUDING THE ELEMENTS DESCRIBED IN THE STRUCTURAL OBSERVATION TABLES (ATTACHED).

SPECIAL INSPECTIONS FOR WIND RESISTANCE

1. SPECIAL INSPECTIONS REQUIREMENTS FOR WIND RESISTANCE IN ACCORDANCE WITH 2021 IBC SECTION 1705.11 TOGETHER WITH LOCAL AND STATE AMENDMENTS.

2. SPECIAL INSPECTIONS REQUIREMENTS SHALL APPLY TO THE FOLLOWING:

   A.WIND FORCE-RESISTING SYSTEMS IN STRUCTURES IN WIND EXPOSURE CATEGORY B, WHERE THE ALLOWABLE STRESS DESIGN WIND SPEED IS 120 MILES PER HOUR OR GREATER.

   B. WIND FORCE-RESISTING SYSTEMS IN STRUCTURES IN WIND EXPOSURE CATEGORIES C OR D, WHERE THE ALLOWABLE STRESS DESIGN WIND SPEED IS 110 MILES PER HOUR OR GREATER. REFER TO GENERAL STRUCTURAL NOTES FOR NOMINAL DESIGN WIND SPEED AND WIND EXPOSURE CATEGORY.

3. WIND FORCE-RESISTING SYSTEMS TO RECEIVE SPECIAL INSPECTION FOR WIND RESISTANCE SHALL INCLUDE THE COMPONENTS LISTED IN TABLE 5.

4. MAIN SYSTEMS REQUIRED TO BE COVERED UNDER PROJECT SPECIAL INSPECTION REQUIREMENTS INCLUDE THE FOLLOWING TOGETHER WITH THEIR CONNECTIONS. REFER TO SPECIFICATION 01 45 33, SPECIAL INSPECTION, OBSERVATION AND TESTING.

   A. FACILITY 55 - UV CANOPY

STATEMENT OF SPECIAL INSPECTIONS (CONTINUED)

SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE

1. SPECIAL INSPECTIONS REQUIREMENTS FOR SEISMIC RESISTANCE WILL BE IN ACCORDANCE WITH IBC SECTION 1705.13 TOGETHER WITH LOCAL AND STATE AMENDMENTS. REFER TO GENERAL STRUCTURAL NOTES ON DRAWINGS FOR BASIC SEISMIC-FORCE-RESISTING SYSTEMS FOR EACH STRUCTURE AND DESIGNATED SEISMIC DESIGN CATEGORY.

2. SPECIAL INSPECTIONS REQUIREMENTS FOR SEISMIC RESISTANCE SHALL APPLY TO THE SYSTEMS AND COMPONENTS LISTED IN TABLE 4.

3. MAIN SYSTEMS REQUIRED TO BE COVERED UNDER PROJECT SPECIAL INSPECTION REQUIREMENTS INCLUDE THE FOLLOWING TOGETHER WITH THEIR CONNECTIONS. REFER TO SPECIFICATION 01 45 33, SPECIAL INSPECTION, OBSERVATION AND TESTING.

   A. FACILITY 55 - UV CANOPY

STRUCTURAL OBSERVATION TABLE

	SYSTEM FOR	STAGE	ITEMS	COMMENTS
1.	FOUNDATION SLAB OF STRUCTURE	PRIOR TO FIRST CONCRETE PLACEMENT OF FIRST SECTION WHEN ITEMS CAN STILL BE REVISED	REINFORCING STEEL, CONCRETE AND MASONRY WALL DOWELS, WATERSTOPS, EMBEDS, AND SIMILAR ITEMS	NOTE 1
2.	CONCRETE WALLS OF STRUCTURE	PRIOR TO FIRST CONCRETE PLACEMENT OF FIRST SECTION WHEN ITEMS CAN STILL BE REVISED	REINFORCING STEEL, WALL DOWELS, WATERSTOPS, EMBEDS, AND SIMILAR ITEMS	NOTE 1
3.	WALL TO FOUNDATION CONNECTIONS PRIOR TO FORM CLOSURE	PRIOR TO FIRST CONCRETE PLACEMENT OF FIRST SECTION WHEN ITEMS CAN STILL BE REVISED		NOTE 1
4.	CONCRETE STRUCTURES	PRIOR TO FIRST CONCRETE PLACEMENT ON FIRST LIQUID HOLDING STRUCTURE WHEN ITEMS CAN STILL BE REVISED	REINFORCING STEEL, WALL DOWELS, WATERSTOPS, EMBEDS, AND SIMILAR ITEMS	NOTE 1
5.	CONCRETE STRUCTURES	AT COMPLETION OF PLACEMENT OF ALL CONCRETE COMPONENTS FOR THE FIRST LIQUID HOLDING STRUCTURE	CONCRETE TOLERANCES, FINISHING, LIQUID TIGHTNESS, AND SIMILAR ITEMS	NOTE 1
6.	SYSTEM CONNECTION EMBEDS	PRIOR TO GROUT OR CONCRETE PLACEMENT		NOTE 1
7.	STRUCTURAL STEEL FRAMING	DURING INITIAL CONSTRUCTION OF STEEL FRAMING AT FIRST STEEL FRAMED BUILDING PRIOR TO ENCLOSURE OF FRAMING BEHIND FINAL FINISHES	MEMBER LOCATIONS AND CONFIGURATIONS, BOLTED AND WELDED CONNECTIONS, AND SIMILAR ITEMS	NOTE 1
8.	AT ADDITIONAL TIMES DURING CONSTRUCTION AT WHICH THE ENGINEER OF RECORD OR OWNER DEEM THE NEED FOR ADDITIONAL STRUCTURAL OBSERVATION			NOTE 1
9.	AT SUBSTANTIAL COMPLETION OF PRIMARY STRUCTURAL SYSTEM FOR DETERMINATION OF FINAL CONDITION OF STRUCTURE			NOTE 1

NOTES:
1. STRUCTURAL OBSERVER TO DISCUSS ITEMS AND SITE SPECIFIC CONDITIONS WITH SPECIAL INSPECTOR AND FIELD INSPECTION STAFF DURING OBSERVATION.

TABLE 1
REQUIRED NON-STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM OR MATERIAL	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
GEOTECHNICAL						
1. SOILS:						
A. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	1705.6, 1803.5.8, 1803.5.9, 1804.5	SECTION 31 23 13, SUBGRADE PREPARATION	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER	SEE TABLE 3 FOR CLSM STRENGTH TEST REQUIREMENTS
B. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	1705.6	SECTION 31 23 16, EXCAVATION	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER	
C. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	1705.6	SECTION 31 23 23, FILL AND BACKFILL	X			SEE TABLE 3 FOR GRADATION TEST REQUIREMENTS
D.VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	1705.6, 1803.5.8	SECTION 31 23 23, FILL AND BACKFILL		X		SEE TABLE 3 FOR DENSITY TEST REQUIREMENTS
E. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	1705.6	SECTION 31 23 13, SUBGRADE PREPARATION	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER	SEE TABLE 3 FOR DENSITY TEST REQUIREMENTS
2. MECHANICALLY STABILIZED EARTH RETAINING WALLS:						
A. VERIFY MODULAR UNIT AND GEOSYNTHETIC REINFORCEMENT PRODUCT NAMES, TYPES, AND DIMENSIONS	1703.4.2, 1705.1.1 ITEM 3	GEOTECHNICAL AND ICC-ES EVALUATION REPORTS	X			
B. VERIFY MODULAR UNIT PLACEMENT INCLUDING ALIGNMENT AND INCLINATION	1703.4.2, 1705.1.1 ITEM 3	GEOTECHNICAL AND ICC-ES EVALUATION REPORTS	X			
C. VERIFY PLACEMENT OR REINFORCEMENT, BACKFILL PLACEMENT AND COMPACTION, AND DRAINAGE PROVISIONS	1703.4.2, 1705.1.1 ITEM 3	GEOTECHNICAL AND ICC-ES EVALUATION REPORTS		X		SEE TABLE 3 FOR DENSITY TEST REQUIREMENTS
GENERAL						
1. CONSTRUCTION MATERIALS AND SYSTEMS THAT ARE ALTERNATIVES TO MATERIALS AND SYSTEMS PRESCRIBED BY CODE	1705.1.1 ITEM 1		X			
2. UNUSUAL DESIGN APPLICATION OF CODE MATERIALS	1705.1.1 ITEM 2			X		
3. INSTALLATION OF MATERIALS THAT REQUIRE ADDITIONAL MANUFACTURER'S INSTRUCTIONS BEYOND CODE REQUIREMENTS	1703.4.2, 1705.1.1 ITEM 3	ICC-ES EVALUATION REPORTS		X		
STRUCTURAL						
SEE TABLE 2.						

NOTES:
1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING INSPECTED WORK.

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25021 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

© JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

NO.	DATE	DSGN	DR	CHK	APVD
		K MILAJ	A.GAWOR	B BLASEN	B FULLER

REVISION BY APVD

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

GENERAL
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS
1

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-009
SHEET	9 of 71

ISSUED FOR CONSTRUCTION

FILENAME: 01-G-009_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:31

TABLE 2
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
CONCRETE						
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT	1705.3, 1908.4	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	X			SEE TABLE 6 FOR REINFORCING STEEL TESTING
2. INSPECTION OF REINFORCING STEEL WELDING	1705.3	AWS D1.4 ACI 318: 26.6.4			SEE STRUCTURAL STEEL (IN THIS TABLE) FOR WELDING INSPECTION REQUIREMENTS	
3. INSPECTION OF ANCHORS CAST IN CONCRETE	1705.3	ACI 318: 17.8.2	X			
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	1705.3	ACI 318: 17.8.2.4, 17.8.2, ICC-ES EVALUATION REPORTS	X		PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ADHESIVE ANCHORS DESIGNED TO RESIST SUSTAINED TENSION LOADS AND WHERE REQUIRED BY ICC-ES REPORT	
5. VERIFYING USE OF REQUIRED DESIGN MIX	1705.3, 1904.1, 1904.2,1908.2, 1908.3	ACI 318: Ch. 19, 26.4.3 - 26.4.4	X			
6. 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	1705.3, 1908.10	ASTM C 172, ASTM C 31, ACI 318: 26.5 26.12		X		SEE TABLE 3 FOR CONCRETE TEST REQUIREMENTS
7. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	1705.3, 1908.6 1908.7, 1908.8	ACI 318: 26.5		X		
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	1705.3, 1908.9	ACI 318: 26.5.3 - 26.5.5	X			
9. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORING AND FORMS FROM BEAMS AND STRUCTURAL SLABS	1705.3	ACI 318: 26.11.2.1	X			
10. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	1705.3	ACI 318: 26.11.1.2	X			
11. INSPECTION OF WATERSTOPS FOR PROPER SHAPE, LOCATION, JOINT QUALITY, AND SURROUNDING CONCRETE PLACEMENT		ACI 318: 26.5.6.2	X			
12. VERIFY PROPER INSTALLATION OF MECHANICAL REINFORCING SPLICES AND CONNECTIONS	1705.1.1 ITEM 3, 1705.3	ICC-ES EVALUATION REPORTS	X			

TABLE 2 (CONTINUED)
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
STRUCTURAL STEEL						
1. MATERIAL VERIFICATION OF STRUCTURAL STEEL:						
A. IDENTIFICATION MARKINGS TO CONFORM TO AISC 360	1705.2.1, 2203.1	Applicable ASTM Material Standards	X			
B. MANUFACTURER'S CERTIFIED TEST REPORTS	1705.2.1	AISC 360: Sec. N3.2, N5.2	X			
2. PRIOR TO BOLTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:						
A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	1705.2.1	AISC 360: Sec. N3.2, N5.2, N5.6 RCSC: Sec. 2.1, 9.1		X		
B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	1705.2.1	AISC 360: Sec. N3.2, N5.2, N5.6 Applicable ASTM Material Standards	X			
C. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)	1705.2.1	AISC 360: Sec. N3.2, N5.2, N5.6	X			
D. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	1705.2.1	AISC 360: Sec. N5.6 RCSC: Sec. 4	X			
E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	1705.2.1	AISC 360: Sec. N5.6 RCSC: Sec. 3.2, 4	X			
F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	1705.2.1	AISC 360: Sec. N5.6 RCSC: Sec. 7		X		
G. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	1705.2.1	AISC 360: Sec. N5.6 RCSC: Sec. 2.2	X			
3. VERIFY DURING BOLTING:						
A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) AND NUTS ARE POSITIONED AS REQUIRED	1705.2.1	AISC 360: Sec. N5.6	X			
B. JOINT BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	1705.2.1	AISC 360: Sec. N5.6	X			
C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	1705.2.1	AISC 360: Sec. N5.6	X			
D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	1705.2.1	AISC 360: Sec. N5.6	X			SEE TABLE 3 FOR TESTING OF HIGH-STRENGTH BOLTING

TABLE 2 (CONTINUED)
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
STRUCTURAL STEEL						
4. PRIOR TO WELDING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:						
A. APPROVED WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
B. APPROVED WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE TO WELDERS AND WELDING INSPECTOR(S)	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1		X		
C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1		X		
D. MATERIAL IDENTIFICATION (TYPE/GRADE)	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
E. WELDER IDENTIFICATION SYSTEM	1705.2.1	AISC 360: Sec. N5.4	X			
F. FIT-UP OF WELDS (INCLUDING JOINT GEOMETRY)	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X		NOTE 2	ALSO SEE REQUIREMENTS OF SPEC. SECTION 05 05 23
G. CONFIGURATION AND FINISH OF ACCESS HOLES	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X		NOTE 2	ALSO SEE REQUIREMENTS OF SPEC. SECTION 05 05 23
5. VERIFY DURING WELDING:						
A. CONTROL AND HANDLING OF WELDING CONSUMABLES	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
B. NO WELDING OVER CRACKED TACK WELDS	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X		NOTE 2	
C. ENVIRONMENTAL CONDITIONS	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
D. COMPLIANCE WITH WPS REQUIREMENTS	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X		NOTE 2	ALSO SEE REQUIREMENTS OF SPEC. SECTION 05 05 23 AND TABLE 3 FOR STRUCTURAL STEEL TEST REQUIREMENT
E. WELDING TECHNIQUES	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
F. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1		X		

DIGITALLY STAMPED 02/09/2026
©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DATE	DSGN	DR	CHK	APVD
REVISION		K MILAJ	A.GAWOR	B BLASEN	B FULLER

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

GENERAL
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS
2

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-010
SHEET	10 of 71

FILENAME: 01-G-010_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:31

TABLE 2 (CONTINUED)
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
STRUCTURAL STEEL						
6. AFTER WELDING, VERIFY THE FOLLOWING:						
A. WELDS CLEANED	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
B. SIZE, LENGTH AND LOCATION OF WELDS	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X		NOTE 2	
C. WELDS MEET VISUAL ACCEPTANCE CRITERIA	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X		NOTE 2	ALSO SEE REQUIREMENTS OF SPEC. SECTION 05 05 23
D. ARC STRIKES	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
E. K-AREA	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
F. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
G. REPAIR ACTIVITIES	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
H. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	1705.2.1	AISC 360: Sec. N5.4 AWS D1.1	X			
I. NONDESTRUCTIVE WELDING INSPECTION	1705.2	AISC 360: Sec. N5.5 AWS D1.1	X		NOTE 2	ALSO SEE REQUIREMENTS OF SPEC. SECTION 05 05 23
7. INSPECTION OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS FOR CRACKS SUBSEQUENT TO GALVANIZING	1705.2.1	AISC 360: Sec. N5.7	X			
8. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:						
A. DETAILS SUCH AS BRACING AND STIFFENING	1705.2.1	AISC 360: Sec. N5.8	X			
B. MEMBER LOCATIONS	1705.2.1	AISC 360: Sec. N5.8	X			
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	1705.2.1	AISC 360: Sec. N5.8	X			

TABLE 2 (CONTINUED)
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
COLD-FORMED STEEL DECK						
1. PRIOR TO DECK PLACEMENT, VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL ACCESSORIES) WITH CONTRACT DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	1705.2.2	SDI QA/QC	X			
2. VERIFY AFTER DECK PLACEMENT:						
A. COMPLIANCE OF INSTALLATION OF DECK AND ALL DECK ACCESSORIES WITH CONTRACT DOCUMENTS	1705.2.2	SDI QA/QC	X			
B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	1705.2.2	SDI QA/QC	X			
3. VERIFY PRIOR TO WELDING:						
A. WELDING PROCEDURE SPECIFICATIONS AND MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	1705.2.2	SDI QA/QC AWS D1.3	X		NOTE 3	
B. MATERIAL IDENTIFICATION (TYPE/GRADE)	1705.2.2	SDI QA/QC	X		NOTE 3	
C. WELDING EQUIPMENT CHECKED	1705.2.2	SDI QA/QC	X		NOTE 3	
4. VERIFY DURING WELDING:						
A. USE OF QUALIFIED WELDERS	1705.2.2	SDI QA/QC	X		NOTE 3	
B. CONTROL AND HANDLING OF WELDING CONSUMABLES	1705.2.2	SDI QA/QC	X		NOTE 3	
C. ENVIRONMENTAL CONDITIONS	1705.2.2	SDI QA/QC	X		NOTE 3	
D, WELDING CONFORMS TO THE WPS	1705.2.2	SDI QA/QC	X		NOTE 3	
5. VERIFY AFTER WELDING:						
A. SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	1705.2.2	SDI QA/QC	X			
B. VISUAL ACCEPTANCE CRITERIA MET	1705.2.2	SDI QA/QC	X			
C. REPAIR ACTIVITIES	1705.2.2	SDI QA/QC	X			
6. VERIFY PRIOR TO MECHANICAL FASTENING:						
A. MANUFACTURERS' INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	1705.2.2	SDI QA/QC	X		NOTE 3	
B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	1705.2.2	SDI QA/QC	X		NOTE 3	
C. MECHANICAL FASTENERS PROPERLY STORED	1705.2.2	SDI QA/QC	X		NOTE 3	

TABLE 2 (CONTINUED)
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
COLD-FORMED STEEL DECK						
6. VERIFY DURING MECHANICAL FASTENING						
A. FASTENERS ARE POSITIONED AS REQUIRED	1705.2.2	SDI QA/QC	X		NOTE 3	
B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	1705.2.2	SDI QA/QC	X		NOTE 3	
7. VERIFY AFTER MECHANICAL FASTENING:						
A. SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	1705.2.2	SDI QA/QC	X			
B. SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	1705.2.2	SDI QA/QC	X			
C. SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	1705.2.2	SDI QA/QC	X			
D. REPAIR ACTIVITIES	1705.2.2	SDI QA/QC	X			

TABLE 2 (CONTINUED)
REQUIRED STRUCTURAL SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

SYSTEM	2021 IBC CODE REFERENCE	REFERENCED STANDARD	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
ALUMINUM						
1. MATERIAL VERIFICATION OF ALUMINUM:						
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	1705.1.1 ITEM 2		X			
B. MANUFACTURERS' CERTIFIED MILL TEST REPORTS	1705.1.1 ITEM 2		X			
2. INSPECTION OF WELDING:						
A. NONDESTRUCTIVE INSPECTION	1705.1.1 ITEM 2	AWS D1.2	X		NOTE 2	ALSO SEE REQUIREMENTS OF SPEC. SECTION 05 05 23

NOTES:

1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING INSPECTED WORK.

2. VISUAL INSPECTION IS THE RESPONSIBILITY OF THE CONTRACTOR'S WELDING INSPECTOR(S) AND IS NOT CONSIDERED SPECIAL INSPECTION. CONTRACTOR MUST PROVIDE A QUALIFIED WELDING INSPECTOR TO OVERSEE CONTRACTOR'S WELDING OPERATIONS, AS REQUIRED BY AWS D1.1, SECTIONS 6.1.2 & 6.6, SPEC. SECTION 05 05 23 AND REFERENCED WELDING CODES.

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25615 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DATE	DSGN	DR	CHK	APVD	REVISION	BY	APVD
		K MILAJ	K MILAJ	A GAWOR	B BLASEN		B FULLER	

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS
3

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-011
SHEET	11 of 71

FILENAME: 01-G-011_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:31

TABLE 3
TESTING FOR REQUIRED SPECIAL INSPECTION
REFER TO SPECIFICATION SECTION 01 45 33

MATERIAL	TYPE OR SCOPE	STANDARD	2021 IBC CODE REFERENCE	FREQUENCY	BY WHOM	COMMENTS
GEOTECHNICAL						
COMPACTED FILL	GRADATION	ASTM C117, C136	1705.6	SECTION 31 23 23, FILL AND BACKFILL	OWNER'S TESTING AGENCY	
COMPACTED FILL	COMPACTION	ASTM D6938, D698	1705.6	SECTION 31 23 23, FILL AND BACKFILL	OWNER'S TESTING AGENCY	
COMPACTED FILL	DENSITY	ASTM D6938, D698	1705.6	SECTION 31 23 23, FILL AND BACKFILL	OWNER'S TESTING AGENCY	
PREPARED SUBGRADE	DENSITY	ASTM D6938, D698	1705.6	SECTION 31 23 13, SUBGRADE PREPARATION	OWNER'S TESTING AGENCY	
CONCRETE						
CONCRETE	STRENGTH	ASTM C39	1705.3	ONCE EACH DAY, BUT NOT LESS THAN ONE SAMPLE FOR EACH 100 CUBIC YARDS OR 5,000 SF OF WALLS OR SLABS PLACED	OWNER'S TESTING AGENCY	
CONCRETE	SLUMP	ASTM C143, C94	1705.3	ONE SAMPLE PER STRENGTH TEST	OWNER'S TESTING AGENCY	
CONCRETE	AIR CONTENT	ASTM C231, C94	1705.3	ONE SAMPLE PER STRENGTH TEST	OWNER'S TESTING AGENCY	
CONCRETE	TEMPERATURE	ASTM C1064	1705.3	ONE SAMPLE PER STRENGTH TEST	OWNER'S TESTING AGENCY	
STEEL						
STEEL STUD WELDING	PRE-PRODUCTION TESTING	AWS D1.1 Sec. 7.7.1	1705.2	PRIOR TO CONSTRUCTION FOR EACH SIZE AND TYPE AND FIRST 2 STUDS EACH SHIFT	CONTRACTOR'S WELDING INSPECTOR	
HIGH-STRENGTH BOLTING	PRE-INSTALLATION VERIFICATION TESTING OF PRETENSIONED BOLTS	RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, Sec. 7	1705.2	3 FASTENER ASSEMBLIES OF EACH COMBINATION OF DIAMETER, LENGTH, GRADE AND LOT	OWNER'S TESTING AGENCY	
STRUCTURAL STEEL	ULTRASONIC OR RADIOGRAPHIC NONDESTRUCTIVE TESTING	AWS D1.1	1705.2	SECTION 05 05 23, WELDING	OWNER'S TESTING AGENCY	PERFORM RT OR UT ON GROOVE WELDS
REINFORCING STEEL	MAGNETIC PARTICLE NONDESTRUCTIVE TESTING	AWS D1.4	1705.3	SECTION 05 05 23, WELDING	OWNER'S TESTING AGENCY	PERFORM ON FILLET WELDS AND PARTIAL JOINT PENETRATION WELDS

TABLE 4
REQUIRED SPECIAL INSPECTION FOR SEISMIC RESISTANCE FOR STRUCTURAL SYSTEMS
REFER TO TABLE 2 FOR STANDARD STRUCTURAL SPECIAL INSPECTION REQUIREMENTS
REFER TO SPECIFICATION SECTION 01 45 33

The Seismic Design Category (SDC) for this Project is D.

SYSTEM	INSPECTION REQUIRED FOR FOLLOWING SEISMIC DESIGN CATEGORIES	2021 IBC CODE REFERENCE	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
ARCHITECTURAL						
INSTALLATION OF OTHER SEISMIC SUPPORTS FOR DESIGNATED ARCHITECTURAL SYSTEMS AND THEIR COMPONENTS	"D" AND ABOVE	1705.13.5	X			SEE TABLE 6

TABLE 4 (CONTINUED)
REQUIRED SPECIAL INSPECTION FOR SEISMIC RESISTANCE FOR STRUCTURAL SYSTEMS
REFER TO TABLE 2 FOR STANDARD STRUCTURAL SPECIAL INSPECTION REQUIREMENTS
REFER TO SPECIFICATION SECTION 01 45 33

The Seismic Design Category (SDC) for this Project is D.

SYSTEM	INSPECTION REQUIRED FOR FOLLOWING SEISMIC DESIGN CATEGORIES	2021 IBC CODE REFERENCE	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS	TESTING FOR SPECIAL INSPECTION
STRUCTURAL						
STRUCTURAL STEEL INSPECTION OF SEISMIC-FORCE-RESISTING SYSTEMS	"B" AND ABOVE	1705.13.1.1, AISC 341		X		SEE TABLE 6 FOR STRUCTURAL STEEL TESTING
INSPECT AND VERIFY THAT THE DESIGNATED SEISMIC SYSTEM COMPONENTS ARE LABELED AND ANCHORAGE OR MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIENCE	"C" AND ABOVE	1705.13.4	X			
INSPECTION OF STRUCTURAL STEEL ELEMENTS INCLUDING STRUTS, COLLECTORS, CHORDS AND FOUNDATION ELEMENTS	"B" AND ABOVE	1705.13.1.2, AISC 341		X		SEE TABLE 6 FOR STRUCTURAL STEEL TESTING

NOTES:
1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING THE INSPECTED WORK
2. TESTING OF SYSTEMS AND THEIR ANCHORAGE SHALL BE IN CONFORMANCE WITH 2021 IBC 1705.14.2.
3. CERTIFICATION OF SYSTEMS AND THEIR ANCHORAGE SHALL BE IN CONFORMANCE WITH 2021 IBC 1705.14.3.

TABLE 5
REQUIRED SPECIAL INSPECTION FOR WIND RESISTANCE FOR STRUCTURAL SYSTEMS
REFER TO SPECIFICATION SECTION 01 45 33

The Nominal Design Wind Speed (3-second-gust) for this Project is V = 125 mph
The Wind Exposure is Category B.

SYSTEM	2021 IBC CODE REFERENCE	STANDARD OR CODE	PERIODIC OWNER FURNISHED SPECIAL INSPECTION (SEE NOTE 1)	CONTINUOUS OWNER FURNISHED SPECIAL INSPECTION	COMMENTS
ARCHITECTURAL					
FASTENING OF ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS	1705.12.3		X		NOTE 2
FASTENING OF EXTERIOR WALL CLADDING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING	1705.12.3		X		NOTE 2

NOTES:

1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING AND COVERING THE INSPECTED WORK.

2. SPECIAL INSPECTIONS FOR WIND RESISTANCE ARE REQUIRED FOR BUILDINGS AND STRUCTURES CONSTRUCTED IN WIND EXPOSURE CATEGORY B, WHERE THE 3-SECOND-GUST NOMINAL DESIGN WIND SPEED IS 120 MPH OR GREATER, OR IN WIND EXPOSURE CATEGORIES C OR D, WHERE THE 3-SECOND-GUST NOMINAL DESIGN WIND SPEED IS 110 MPH OR GREATER.

TABLE 6
TESTING FOR SEISMIC RESISTANCE
REFER TO SPECIFICATION SECTION 01 45 33

MATERIAL	TYPE OR SCOPE	STANDARD	2021 IBC CODE REFERENCE	FREQUENCY	BY WHOM	COMMENTS
STEEL						
TEST IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341	NONDESTRUCTIVE TESTING	AISC 341 AWS D1.8	1705.14.1.1 1705.14.1.2	CONTINUOUS	OWNER'S SPECIAL INSPECTOR	
RADIOSCOPIC (RT) OR ULTRASONIC (UT) NONDESTRUCTIVE TESTING OF GROOVE WELDS	NONDESTRUCTIVE TESTING	AISC 341 AWS D1.8	1705.14.1.1 1705.14.1.2	CONTINUOUS	OWNER'S SPECIAL INSPECTOR	USE UT WHERE RT CANNOT BE PERFORMED. SEE SECTION 05 50 00 METAL FABRICATIONS, SECTION 05 05 23, WELDING
MAGNETIC PARTICLE (MT) OR LIQUID PENETRANT (PT) NONDESTRUCTIVE TESTING	NONDESTRUCTIVE TESTING	AISC 341 AWS D1.8	1705.14.1.1 1705.14.1.2	CONTINUOUS	OWNER'S SPECIAL INSPECTOR	FILLET WELDS AND PARTIAL JOINT PENETRATION GROOVE WELDS.SEE SECTION 05 50 00 METAL FABRICATIONS, SECTION 05 05 23, WELDING

NOTES:
1. TESTING AND QUALIFICATION FOR SEISMIC RESISTANCE ARE REQUIRED FOR SEISMIC-FORCE-RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F,UNLESS OTHERWISE NOTED.

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25615 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	DR	REVISION	CHK	APVD
DSGN	K MILAJ	A.GAWOR		B BLASEN	B FULLER
					BY APVD

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS
4

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-012
SHEET	12 of 71

FILENAME: 01-G-012_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:31

GENERAL ARCHITECTURAL NOTES

1. UNLESS OTHERWISE INDICATED, PLAN DIMENSIONS ARE TO COLUMN GRID ON CENTERLINES, NOMINAL SURFACE OF MASONRY, FACE OF STUDS AND FACE OF CONCRETE WALLS.
2. "FLOOR LINE" REFERS TO TOP OF CONCRETE SLABS. FINISH FLOORING IS INSTALLED ABOVE THE FLOOR LINE. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
3. WHERE DOOR IS LOCATED NEAR CORNER OF ROOM AND IS NOT LOCATED BY DIMENSION ON PLAN OR DETAILS, DIMENSION SHALL BE 3-INCHES FROM FACE OF STUD (WALL) TO FACE OF ROUGH OPENING. DIMENSION SHALL BE 6" FROM FACE OF WALL TO EDGE OF ROUGH OPENING AT CONCRETE WALLS, 8" AT CMU WALLS.
4. LINE OF GRADES, AS SHOWN ON BUILDING ELEVATIONS AND SECTIONS, ARE APPROXIMATE. THEY ARE AT THE BUILDING FACE, OR ON THE SECTION END EXCEPT AS NOTED.
5. VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS CONTRACT, OR BY OTHERS.
6. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER CATEGORIES OR DRAWINGS FOR ADDITIONAL NOTES.
7. VERIFY SIZE AND LOCATION OF, AND PROVIDE REQUIRED OPENINGS THROUGH, FLOORS AND WALLS, ACCESS DOORS, FURRING, CURBS, ANCHORS AND INSERTS. PROVIDE ALL BASES AND BLOCKING REQUIRED FOR ACCESSORIES, MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT.
8. DO NOT SCALE DRAWINGS, REFER TO DIMENSIONS.
9. EXISTING ITEMS TO REMAIN UNLESS OTHERWISE IDENTIFIED FOR DEMOLITION.

ARCHITECTURAL LEGEND

SYMBOL	LEGEND
A	COLUMN GRID INDICATOR
X / XX-A-XXX	EXTERIOR ELEVATION INDICATOR
QUANTITY AND DIRECTION OF POINTERS AS REQUIRED — A / E / D / A / B / XX-A-301 / C	INTERIOR ELEVATION INDICATOR
⊗ 110.50	SPOT ELEVATION INDICATOR
	DIRECTION OF SLOPE DOWN
	CONTROL JOINT
	EXPANSION JOINT

ARCHITECTURAL MATERIAL SYMBOLS

SYMBOL	LEGEND
	GRATING, SPAN DIRECTION INDICATED
	CHECKERED PLATE
	GROUT
	GRANULAR FILL
	EARTH OR FINISH GRADE
	CONCRETE
	METAL STUD WALL (PLAN)
	STEEL
	ALUMINUM
	PLYWOOD
	WOOD, ROUGH CONTINUOUS
	WOOD, ROUGH NON-CONTINUOUS

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25615 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD
REVISION		M KIRKPATRICK	A GAWOR	B BLASEN	B FULLER
				APVD	BY

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
ARCHITECTURAL NOTES, SYMBOLS, LEGEND AND WALL TYPES

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-013
SHEET	13 of 71

FILENAME: 01-G-013_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:31

PIPE AND FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	
		EXISTING PIPE
		NEW PIPE
		EXISTING PIPE TO BE ABANDONED
		EXISTING PIPE TO BE REMOVED
		WELDED JOINT
		GROOVED END JOINT
		FLANGED JOINT
		MECHANICAL JOINT & PROPRIETARY RESTRAINED JOINT
		BELL & SPIGOT JOINT (LEADED)
		HUB & SPIGOT JOINT (RUBBER GASKET)
		BALL JOINT
		ADAPTER SIDE GROOVED END ADAPTER FLANGE
		FLANGED COUPLING ADAPTER
		FLEXIBLE COUPLING
		METAL BELLOWS EXP JOINT
		ELASTOMER BELLOWS EXP JOINT
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		LATERAL UP
		LATERAL DOWN
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER

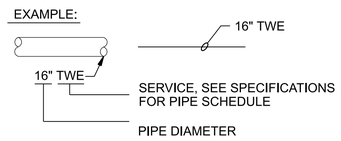
DOUBLE LINE	SINGLE LINE	
		REDUCING BUSHING
		UNION
		CAP
		ANCHOR
		ELBOW, 90 DEGREE
		CROSS
		TEE
		ELBOW, 45 DEGREE
		LATERAL

NOTES:

1. ONLY FLANGED END CONNECTIONS ARE SHOWN HERE FOR DOUBLE LINE FITTINGS. FITTINGS WITH OTHER END PATTERNS ARE SHOWN SIMILARLY ON THE CONSTRUCTION DRAWINGS. ALSO SEE PIPING SPECIFICATIONS.
2. SYMBOLS SHOWN HERE FOR SINGLE LINE FITTINGS ARE GENERIC ONLY. REFER TO PIPING SPECIFICATIONS FOR SPECIFIC END CONNECTIONS FOR SINGLE LINE PIPE AND FITTINGS.
3. EXISTING PIPE AND EQUIPMENT IS SHOWN LIGHT-LINED AND/OR SCREENED AND IS NOTED AS EXISTING. NEW PIPING AND EQUIPMENT IS SHOWN HEAVY-LINED.

PIPING DESIGNATION

EXAMPLE:



ACTUATOR SYMBOLS

PNEUMATIC DIAPHRAGM	H HYDRAULIC
PNEUMATIC CYLINDER	MANUAL
M ELECTRIC MOTOR	S SOLENOID
	E/H ELECTRO HYDRAULIC

VALVE SYMBOLS

SINGLE LINE	DOUBLE LINE
GATE	
K KNIFE GATE	OR
BUTTERFLY	OR
GLOBE	OR
BALL	OR
SEATING PORT	
ECCENTRIC PLUG	OR
PLUG OR COCK	OR
NEEDLE	OR
DIAPHRAGM	OR
PINCH	OR
SWING CHECK	OR
BALL CHECK	OR

HOSE VALVE (HV- X) OR (V-X)
X = NO. IN SPECS

S SAMPLE

MUD

PRESSURE RELIEF

AIR AND/OR VACUUM RELEASE

REGULATED SIDE
PRESSURE CONTROL (INTERNAL PILOT)

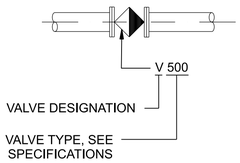
REGULATED SIDE
PRESSURE CONTROL (EXTERNAL PILOT)

MULTI-PORT VALVE,
ARROWS INDICATE FLOW PATTERN.
SEATING PORTS ARE IMPLIED BY
INDICATED FLOW PATTERN.

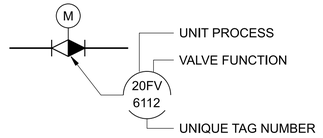
TELESCOPING SCUM VALVE

VALVE DESIGNATIONS

MANUAL VALVES AND CHECK VALVES

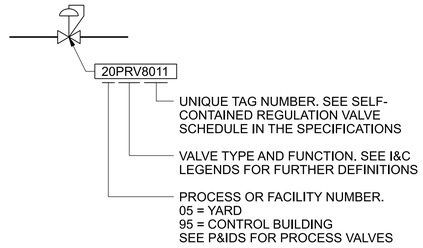


CONTROL VALVES



NOTE:
SEE I&C LEGENDS FOR FURTHER DEFINITIONS AND ACTUATOR TYPES.

SELF-CONTAINED REGULATING VALVES



MECHANICAL LEGEND AND NOTES

GENERIC PIPING NOTES

1. LAY PIPE TO UNIFORM GRADE BETWEEN INDICATED ELEVATION POINTS.
2. SIZE OF FITTINGS SHOWN ON DRAWINGS SHALL CORRESPOND TO ADJACENT STRAIGHT RUN OF PIPE, UNLESS OTHERWISE INDICATED. TYPE OF JOINT AND FITTING MATERIAL SHALL BE THE SAME AS SHOWN FOR ADJACENT STRAIGHT RUN OF PIPE.
3. ALL JOINTS SHALL BE WATERTIGHT. WALL PIPES SHALL BE USED WHEREVER PIPING PASSES FROM A STRUCTURE TO BACKFILL.
4. ALL FLEXIBLE CONNECTORS AND COUPLING ADAPTERS SHALL BE PROVIDED WITH THRUST PROTECTION AS SPECIFIED, UNLESS OTHERWISE NOTED. THRUST PROTECTION SHALL BE ADEQUATE FOR TEST PRESSURES SPECIFIED.
5. SYMBOLS, LEGENDS, AND PIPE USE IDENTIFICATIONS SHOWN SHALL BE FOLLOWED THROUGHOUT THE DRAWINGS, WHEREVER APPLICABLE. NOT ALL OF THE VARIOUS PIPING COMPONENTS ARE NECESSARILY USED IN THE PROJECT.
6. ALL BURIED PIPING SPECIFIED TO BE PRESSURE TESTED, EXCEPT FLANGED, WELDED, OR SCREWED PIPING, SHALL BE PROVIDED WITH THRUST PROTECTION AS SPECIFIED, UNLESS OTHERWISE NOTED.
7. NUMBER AND LOCATION OF UNIONS SHOWN ON DRAWINGS IS ONLY APPROXIMATE. PROVIDE ALL UNIONS NECESSARY TO FACILITATE CONVENIENT REMOVAL OF VALVES AND MECHANICAL EQUIPMENT.
8. WHERE A GROOVED END COUPLING IS SHOWN, IT SHALL BE THE RIGID JOINT TYPE, UNLESS OTHERWISE SPECIFIED. WHERE A FLANGED COUPLING ADAPTER IS SHOWN, A STANDARD FLANGE SHALL BE JOINED TO THE COUPLING ADAPTER.
9. COMPONENTS AND PANELS SHOWN WITH A SINGLE ASTERISK (*) ARE TO BE PROVIDED AS PART OF A PACKAGE SYSTEM.

CHRISTOPHER STEPHEN COTTON
STATE OF WASHINGTON
25005885
REGISTERED PROFESSIONAL ENGINEER
DIGITALLY STAMPED: 2/6/2026
© JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		C COTTON	J SETNIK	J CHANG	APVD	B FULLER	

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

Jacobs

GENERAL
PROCESS MECHANICAL LEGEND

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-014
SHEET	14 of 71

FILENAME: 01-G-014_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 07:26

PIPING SCHEDULE

SERVICE	LEGEND	SIZE (IN.)	SPEC SECTION	JOINT TYPE SEE NOTE 1	MATERIAL SEE NOTE 2	INSTALLATION SEE NOTE 3	TEST PRESS (FEET OF HEAD). AND TYPE. SEE NOTE 4	COATING/LINING SEE NOTE 5	REMARKS
DRAIN	D	ALL	33 41 01.03	BS	PVC	BUR	G	N/A	
PROCESS DRAIN	PD	ALL	40 27 00.01	FL	CLDI	EMB	G	NONE/CEMENT	
PLANT EFFLUENT	PLE	ALL	33.05 01.10	RMJ, W	HDPE	BUR	SEE REMARKS	SEE SPECIFICATIONS	MATERIAL AS SHOWN ON THE DRAWINGS. IN SERVICE VISUAL LEAKAGE TESTING DURING INSTALLATION
POTABLE WATER	PW	ALL	40 27 00.10	W, FL	PVC	BUR	100 PSIG, H	N/A	
SECONDARY EFFLUENT	SE	ALL	33 05 01.01 33.05 01.10	CPL, RMJ, W	HDPE, WS	BUR	SEE REMARKS	SEE SPECIFICATIONS	MATERIAL AS SHOWN ON THE DRAWINGS. IN SERVICE VISUAL LEAKAGE TESTING DURING INSTALLATION
WALL DRAIN PIPE	WD	ALL	33.05 01.10	W	HDPE	BUR	N/A, SEE REMARKS	N/A	PERFORATED DRAIN PIPE BENEATH RETAINING WALL. SEE DRAWING 05-CG-101, SECTION 1.
PLANT EFFLUENT WATER	W3	ALL	40 27 00.01	PRJ	CLDI	BUR	150 PSIG, H	POLY/CEMENT	PIPE MATERIAL TO BE FIELD VERIFIED
LOW PRESSURE PLANT EFFLUENT WATER	W4	ALL	40 27 00.01	PRJ	CLDI	BUR	150 PSIG, H	POLY/CEMENT	PIPE MATERIAL TO BE FIELD VERIFIED

NOTES:

1. JOINT TYPES:
   JOINT AS SPECIFIED IN APPLICABLE PIPING SPECIFICATIONS. JOINT BONDING AND INSULATED FITTINGS SHALL BE AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH OTHER PIPING SPECIFICATION SECTIONS AS APPLICABLE.
   BS: BELL AND SPIGOT
   CPL: COUPLING
   FL: FLANGED
   PRJ: PROPRIETARY RESTRAINED JOINT
   RMJ: RESTRAINED MECHANICAL JOINT
   RCA: RESTRAINED COUPLING ADAPTER
   W: WELDED, FUSED, SOLDERED, SOCKET WELDED, GLUED OR SOLVENT WELDED

2. MATERIAL TYPE:
   CLDI: CEMENT-LINED DUCTILE IRON
   HDPE: HIGH-DENSITY POLYETHYLENE
   PVC: SCHEDULE 80 POLYVINYL CHLORIDE
   WS: FABRICATED WELDED STEEL

3. INSTALLATIONS:
   BUR = BURIED INSTALLATIONS BELOW GRADE
   EMB = EMBEDDED INSTALLATIONS OR CONCRETE ENCASED

4. PRESSURE TEST TYPE:
   G: GRAVITY TEST TO HIGHEST LIQUID LEVEL ABOVE PIPE AND IN ACCORDANCE WITH SPECIFICATIONS
   H: HYDROSTATIC TEST TO INDICATED PRESSURE

5. LININGS AND COATINGS:
   CEMENT (CLDI): AWWA C104 MORTAR LINING IN ACCORDANCE WITH SPECIFICATIONS
   CEMENT (STL): AWWA C205 MORTAR LINING IN ACCORDANCE WITH SPECIFICATIONS
   POLY: POLYETHYLENE BAGGING AS A MINIMUM AND IN ACCORDANCE WITH SPECIFICATIONS

UV SYSTEM DESIGN CRITERIA:	
NUMBER OF CHANNELS	2
NUMBER OF BANKS PER CHANNEL	4
NUMBER OF BULBS PER BANK PER CHANNEL	24
TOTAL NUMBER OF BULBS	192
UV SYSTEM PEAK DESIGN FLOW (4 BANKS IN SERVICE IN 2 CHANNELS)	68.4 MGD
WASHINGTON STATE DEPT. OF ECOLOGY REDUNDANCY REQUIREMENT FOR 50% FLOW CAPACITY WITH 1 UNIT OUT OF SERVICE	34.2 MGD
REDUNDANT FLOW (1 CHANNEL OUT OF SERVICE)	34.2 MGD
UV TRANSMITTANCE	55%
UV DOSE	29.7 mJ/cm^2
MONTHLY AVERAGE FEFCAL COLIFORM BACTERIA PERMIT LIMIT	200 CFU/100 ML
WEEKLY AVERAGE FECAL COLIFORM BACTERIA PERMIT LIMIT	400 CFU/100 ML
MONTHLY AVERAGE TOTAL SUSPENDED SOLIDS PERMIT LIMIT	30 MG/L
WEEKLY AVERAGE TOTAL SUSPENDED SOLIDS PERMIT LIMIT	45 MG/L

CHRISTOPHER STEPHEN COTTON — WASHINGTON — 25005888 — REGISTERED PROFESSIONAL ENGINEER — STATE OF

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DSGN	DATE	DR	REVISION	CHK	APVD	BY	APVD
			C COTTON	J SETNIK	J CHANG		B FULLER	

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

GENERAL

PROCESS MECHANICAL PIPE SCHEDULE AND DESIGN CRITERIA

ISSUED FOR CONSTRUCTION

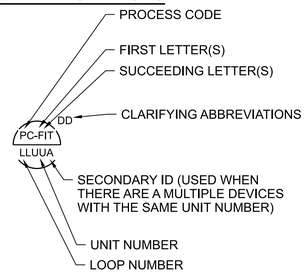
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-015
SHEET	15 of 71

FILENAME: 01-G-015_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:38

INSTRUMENT IDENTIFICATION

EXAMPLE SYMBOLS



DIGITAL SYSTEM INTERFACES

- ▲ ANALOG INPUT
- ▼ ANALOG OUTPUT
- △ DISCRETE INPUT
- ▽ DISCRETE OUTPUT
- ◇ ETHERNET INPUT/OUTPUT (ET)

INSTRUMENT IDENTIFICATION LETTERS TABLE

LETTER	FIRST-LETTER		SUCCEEDING-LETTERS		
	PROCESS OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	READOUT OR PASSIVE FUNCTION	READOUT OR PASSIVE FUNCTION
A	ANALYSIS (+)		ALARM		
B	BURNER, COMBUSTION		USER'S CHOICE (*)	USER'S CHOICE (*)	USER'S CHOICE (*)
C	USER'S CHOICE (*)			CONTROL	
D	DENSITY (S.G.)	DIFFERENTIAL			
E	VOLTAGE		PRIMARY ELEMENT, SENSOR		
	FLOW RATE	RATIO (FRACTION)			
G	USER'S CHOICE (*)		GLASS, GAUGE VIEWING DEVICE	GATE	
H	HAND (MANUAL)				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN			
K	TIME, TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT (PILOT)		LOW
M	MOTION	MOMENTARY			MIDDLE, INTERMEDIATE
N	TORQUE		USER'S CHOICE (*)	USER'S CHOICE (*)	USER'S CHOICE (*)
O	USER'S CHOICE (*)		ORIFICE, RESTRICTION		
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD OR PRINT		
S	SPEED, FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTI VARIABLE		MULTI FUNCTION	MULTI FUNCTION	MULTI FUNCTION
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER, LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED (*)	X AXIS	UNCLASSIFIED (*)	UNCLASSIFIED (*)	UNCLASSIFIED (*)
Y	EVENT, STATE OR PRESENCE	Y AXIS		RELAY, COMPUTE, CONVERT	
Z	POSITION	Z AXIS		DRIVE, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

TABLE BASED ON THE INSTRUMENTATION, SYSTEMS, AND AUTOMATION SOCIETY (ISA) STANDARD.

(+) WHEN USED, EXPLANATION IS SHOWN ADJACENT TO INSTRUMENT SYMBOL. SEE ABBREVIATIONS AND LETTER SYMBOLS.
(*) WHEN USED, DEFINE THE MEANING HERE FOR THE PROJECT.

GENERAL INSTRUMENT OR FUNCTIONAL SYMBOLS

- FIELD MOUNTED
- REAR-OF-PANEL MOUNTED (OPERATOR INACCESSIBLE)
- PANEL MOUNTED (OPERATOR ACCESSIBLE)
- MCC MOUNTED
- COMPUTER FUNCTION
- PLC FUNCTION
- SHARED DISPLAY, SHARED CONTROL

TRANSDUCERS

A	ANALOG	I	CURRENT
D	DIGITAL	P	PNEUMATIC
E	VOLTAGE	PF	PULSE FREQUENCY
F	FREQUENCY	PD	PULSE DURATION
H	HYDRAULIC	R	RESISTANCE

EXAMPLE

CURRENT TO PNEUMATIC TRANSDUCER (BACK OF PANEL, IN A FLOW LOOP)

ACCESSORY DEVICES

A	ALARM
C	CONTROLLER
I	INDICATOR
R	RECORDER
S	SWITCH
T	TRANSMITTER
X	UNCLASSIFIED

EXAMPLE

TRANSMITTER AS AN ACCESSORY TO A FLOW ELEMENT

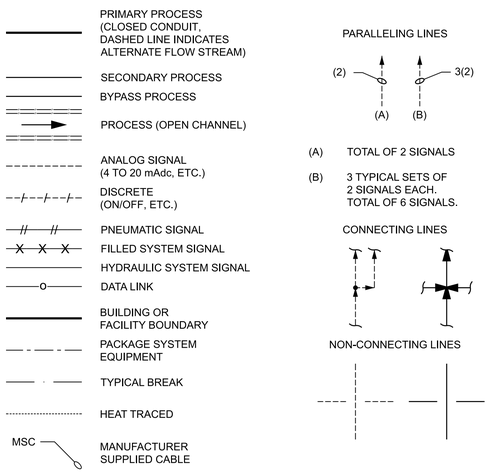
SPECIAL CASES

ON AND OFF EVENT LIGHTS

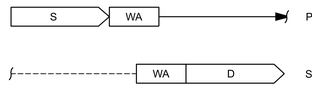
ON-OFF HAND SWITCH, MAINTAINED CONTACT SWITCH (CONTROLLED DEVICE WILL RESTART ON RETURN OF POWER AFTER POWER FAILURE).

STOP-START HAND SWITCH MOMENTARY CONTACT SWITCHES (CONTROLLED DEVICE WILL NOT RESTART ON RETURN OF POWER AFTER POWER FAILURE).

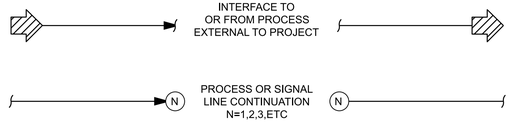
LINE LEGEND



INTERFACE SYMBOLS



- W SOURCE UNIT PROCESS NO. (1 OR 2 DIGITS)
- A INTERFACE NO. (2 DIGITS)
- D DESTINATION DRAWING NO.
- S SOURCE DRAWING NO.



SELF CONTAINED VALVE & EQUIPMENT TAG NUMBERS

WDXY

- W UNIT PROCESS NUMBER
- D
  - G GATE
- X LOOP NUMBER
- Y UNIT NUMBER

GENERAL SHEET NOTES

1. COMPONENTS AND PANELS SHOWN WITH A SINGLE ASTERISK (✳) ARE TO BE PROVIDED AS PART OF A PACKAGE SYSTEM.
2. COMPONENTS AND PANELS SHOWN WITH A DOUBLE ASTERISK (✳✳) ARE TO BE PROVIDED UNDER DIVISION 26, ELECTRICAL.
3. THIS IS A STANDARD LEGEND. THEREFORE, NOT ALL OF THIS INFORMATION MAY BE USED ON THE PROJECT.
4. ITEMS SHOWN AS BOLD ARE NEW. ITEMS SHOWN AS SCREENED BACK ARE EXISTING.

ANDREA NICOLE ELLIS · STATE OF WASHINGTON · 24006 · REGISTERED PROFESSIONAL ENGINEER

DIGITALLY SIGNED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION	CHK	APVD
		A ELLIS	W DOMAGALA	B DONALDSON	B FULLER				

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

GENERAL

INSTRUMENTATION AND CONTROL LEGEND 1

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-016
SHEET	16 of 71

VALVE SYMBOLS

- GATE
- KNIFE GATE
- BUTTERFLY
- GLOBE
- BALL
- V — VEE-BALL
- PLUG
- SEAT PORT ECCENTRIC PLUG
- DIAPHRAGM
- KL — KEYLOCK VALVE
- PINCH
- NEEDLE
- SWING CHECK
- BALL CHECK
- BACKFLOW PREVENTER
- ROTARY
- TELESCOPE
- S — SAMPLE
- MUD
- PRESSURE RELIEF
- AIR AND/OR VACUUM RELEASE
- REGULATED SIDE — PRESSURE CONTROL
- PRESSURE REGULATION (CLAY-TYPE)
- MULTI-PORT VALVE (GATE VALVE SHOWN. FOR OTHER VALVE TYPES, APPROPRIATE VALVE SYMBOL SHOWN.) SEAT PORTS ARE IMPLIED BY INDICATED FLOW PATTERN.
- ANGLE GATE

GATE SYMBOLS

- SLUICE
- BUTTERFLY
- FABRICATED SLIDE
- FLAP
- STOP LOG
- SHEAR

ACTUATOR SYMBOLS

- PNEUMATIC DIAPHRAGM SPRING-OPPOSED, SINGLE OR DOUBLE ACTING
- PNEUMATIC CYLINDER SINGLE OR DOUBLE ACTING ACTUATED BY ONE INPUT
- M — ELECTRIC MOTOR
- S — SOLENOID
- VALVE POSITIONER
- DIAPHRAGM, DIFFERENTIAL PRESSURE
- MANUAL

NOTE:

ON LOSS OF PRIMARY POWER (PNEUMATIC, ELECTRICAL, OR HYDRAULIC)

XX:
- FO FAIL OPEN
- FC FAIL CLOSED
- FLP FAIL TO LAST POSITION

PRIMARY ELEMENT SYMBOLS

- PARSHALL FLUME
- WEIR
- ORFICE PLATE
- FLOW TUBE
- J — PITOT-STATIC
- VORTEX METER
- ULTRASONIC FLOW METER
- M — ELECTROMAGNETIC FLOW METER
- PROPELLER FLOW METER
- D — DENSITY METER WITH FLUSHING RING
- PROPELLER OR TURBINE METER
- THERMAL FLOWMETER
- LEVEL (BUBBLER TUBE)
- LS — LEVEL (FLOAT)
- FI — ROTAMETER
- DE — DENSITY METER
- XX — GENERIC
- LE — LEVEL (RADAR)
- LE — LEVEL (ULTRASONIC)

MISCELLANEOUS SYMBOLS

- V — VENT TO ATMOSPHERE
- AIR GAP
- T — DRIP TRAP
- PIG INSERT POINT
- PIG CATCH POINT
- A — SELF CONTAINED AIR SUPPLY
- AP — AIR PURGE SET
- F — FLUSHING CONNECTION
- S — SEAL WATER SET
- WP — WATER PURGE SET
- FLEXIBLE CONNECTION
- AERATOR
- DIAPHRAGM SEAL
- ANNULAR DIAPHRAGM SEAL
- SS — COMPOSITE SAMPLER
- FLAME TRAP
- CALIBRATION COLUMN
- S — INLINE SILENCER
- BLIND FLANGE
- PIPE CAP
- STRAINER
- BASKET STRAINER
- FILTER
- PULSATION DAMPENER
- EXPANSION CHAMBER
- DISCONNECT
- FFLCPLLLX — PANEL CONTINUED ON SAME OR OTHER DRAWING; PANEL OUTLINE; PANEL NAME
- 120V — 120 VOLT, 60 HZ POWER
- 480V — 480 VOLT, 60 HZ POWER
- XX — AIR SET XX = SUPPLY PRESSURE IN PSIG.
- PLUG
- RECEPTACLE
- RUPTURE DISK (VACUUM)
- RUPTURE DISK (PRESSURE)
- TV — TV MONITOR
- TV — TV CAMERA
- A, B → AND → C — LOGIC ELEMENT: IF A AND NOT B THEN C
- A, B → OR → C — LOGIC ELEMENT: IF A OR B THEN C
- RADIO ANTENNA
- I — OR — I — INTERLOCK, SEE CONTROL DIAGRAMS
- VOICE COMMUNICATION POINT
- SKIMMING MECHANISM
- SCREW CONVEYOR
- MIXER
- M — ELECTRIC MOTOR

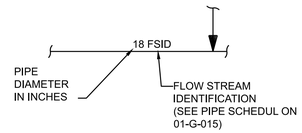
PUMP AND COMPRESSOR SYMBOLS

- CENTRIFUGAL PUMP (XX)
- CENTRIFUGAL WET PIT PUMP OR TURBINE PUMP (XX)
- RECIPROCATING OR METERING PUMP (POSITIVE DISPLACEMENT) (XX)
- DIAPHRAGM PUMP (XX)
- GEAR PUMP OR BLOWER (POSITIVE DISPLACEMENT) (XX)
- PISTON PUMP (XX)
- SUBMERSIBLE SUMP PUMP (XX)
- PROGESSING CAVITY PUMP (XX)
- COMPRESSOR (CENTRIFUGAL) (XX)
- COMPRESSOR (PISTON) (XX)
- BLOWER OR FAN (CENTRIFUGAL) (XX)
- EJECTOR
- ROTARY PUMP
- VACUUM PUMP
- SCREW PUMP

XX:
- AS ADJUSTABLE SPEED
- CS CONSTANT SPEED (SINGLE SPEED)
- CS-2 CONSTANT SPEED (TWO SPEED)

LINE SIZE AND FLOW STREAM IDENTIFICATION

(FOR REFERENCE ONLY. SEE SITE DRAWINGS AND PIPE SCHEDULE ON 01-G-015)



ANDREA NICOLE ELLIS — STATE OF WASHINGTON — 24000 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY SIGNED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	REVISION	CHK	APVD	BY
		A ELLIS	W DOMAGALA		B DONALDSON	APVD	B FULLER

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

GENERAL

INSTRUMENTATION AND CONTROL LEGEND 2

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-017
SHEET	17 of 71

SYMBOL	DESCRIPTION
HMI	PANEL MOUNTED HMI WORKSTATION
OIT	OPERATOR INTERFACE TERMINAL
	WORKSTATION
	ETHERNET SWITCH INDUSTRIAL HARDENED, PANEL MOUNT
	ETHERNET SWITCH
	PLC
	FIBER PATCH PANEL
	ANTENNA
	RJ-45 WALL JACK
	CELLULAR ANTENNA

ANDREA NICOLE ELLIS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY SIGNED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DR	CHK	APVD	BY	APVD
DSGN	A ELLIS	W DOMAGALA	B DONALDSON	APVD	B FULLER	

REVISION

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

REUSE OF DOCUMENTS:

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL

INSTRUMENTATION AND CONTROL CONTROL DIAGRAM LEGEND

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-018
SHEET	18 of 71

FILENAME: 01-G-018_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 04:33

ONE LINE DIAGRAMS-1

SYMBOL	DESCRIPTION
	DRAWOUT AIR CIRCUIT BREAKER, LOW VOLTAGE
EO 400	CIRCUIT BREAKER, THERMAL MAGNETIC TRIP SHOWN, 3 POLE, UNO. EO INDICATES ELECTRICALLY OPERATED.
AS/AF or AT/AF	CIRCUIT BREAKER, STATIC TRIP UNIT, SENSOR AMP TRIP AND FRAME RATINGS SHOWN, 3 POLE, UNO
100/M	CIRCUIT BREAKER, MAGNETIC TRIP ONLY, TRIP RATING SHOWN, 3 POLE, UNO
400 400	CIRCUIT BREAKER WITH CURRENT LIMITING FUSES, TRIP AND FUSE RATING INDICATED, 3 POLE, UNO
400 225	FUSED SWITCH, SWITCH AND FUSE CURRENT RATING INDICATED, 3 POLE, UNO
100	DISCONNECT SWITCH, CURRENT RATING INDICATED, 3 POLE, UNO, WHERE NO RATING IS SHOWN, IT SHALL BE 30 AMP
60 (3)	FUSE, CURRENT RATING AND QUANTITY INDICATED
1	MAGNETIC STARTER WITH OVERLOAD, NEMA SIZE INDICATED, FVNR UNO
AFD	ELECTRONIC STARTER/SPEED CONTROL RVSS = REDUCED VOLTAGE SOFT STARTER AFD = AC ADJUSTABLE FREQUENCY DRIVE
	CABLE OR BUS CONNECTION POINT
K	KEY INTERLOCK
	SURGE ARRESTER (GAP TYPE)
3	MOTOR, SQUIRREL CAGE INDUCTION - HORSEPOWER INDICATED
500	GENERATOR, KW/KVA RATING SHOWN
DPM	DIGITAL POWER METER (MULTIFUNCTION)
	GROUND
15 KVA 480-120/240V 1 PH	TRANSFORMER, SIZE, VOLTAGE RATINGS, AND PHASE INDICATED
	CONNECTION POINT TO EQUIPMENT SPECIFIED IN OTHER DIVISIONS. RACEWAY, CONDUCTOR AND CONNECTION IN THIS DIVISION
SPD	SURGE PROTECTIVE DEVICE
	DELTA CONNECTION
	WYE GROUNDED CONNECTION, SOLID GROUND

CONTROL DIAGRAMS-1

SYMBOL	DESCRIPTION
	PUSH-BUTTON SWITCH, MOMENTARY CONTACT, NORMALLY OPEN
	PUSH-BUTTON SWITCH, MOMENTARY CONTACT, NORMALLY CLOSED
HAND OFF REMOTE XOO OOX	SELECTOR SWITCH - MAINTAINED CONTACT
	TOGGLE SWITCH, ON-OFF TYPE
ON OFF	SELECTOR SWITCH, ON-OFF TYPE
	MUSHROOM HEAD SWITCH
A	INDICATING LIGHT, PUSH-TO-TEST, LETTER INDICATES COLOR
A	INDICATING LIGHT - LETTER INDICATES COLOR A - AMBER G - GREEN B - BLUE R - RED C - CLEAR W - WHITE
	CONTACT - NORMALLY OPEN
	CONTACT - NORMALLY CLOSED
	REMOTE DEVICE
	TERMINAL BLOCK
	FUSED TERMINAL BLOCK
	FUSE, RATING INDICATED

POWER SYSTEM PLAN-1

SYMBOL	DESCRIPTION
	CONNECTION POINT TO EQUIPMENT SPECIFIED. RACEWAY, CONDUCTOR,TERMINATION AND CONNECTION IN THIS DIVISION.
MCC-A	MAJOR ELECTRICAL COMPONENT OR DEVICE - NAME OR IDENTIFYING SYMBOL AS SHOWN.
	PANELBOARD - SURFACE MOUNTED
	PANELBOARD - FLUSH MOUNTED
	TERMINAL JUNCTION BOX
M	MOTOR, SQUIRREL CAGE INDUCTION
	GENERATOR, VOLTAGE AND SIZE AS INDICATED.
LPXXA	HOME RUN - DESTINATION SHOWN
or G	EXPOSED CONDUIT AND CONDUCTORS*
- - - - - or G	CONCEALED CONDUIT AND CONDUCTORS*
G	CROSSHATCHES WITH BAR INDICATE NO.10 CONDUCTOR. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE.
[A1]	CONDUIT AND CONDUCTOR CALLOUT, SEE LEGEND.
	CONDUIT DOWN
	CONDUIT UP
	CONDUIT, STUBBED AND CAPPED
	CONDUIT TERMINATION AT CABLE TRAY
	CONDUIT CORRIDOR
J or HH	GENERAL CONTROL OR WIRING DEVICE. LETTER SYMBOLS OR ABBREVIATIONS INDICATE TYPE OF DEVICE
CS	CONTROL STATION, SEE CONTROL DIAGRAMS FOR CONTROL DEVICE(S) REQUIRED.
100	NONFUSED DISCONNECT SWITCH, CURRENT RATING INDICATED, 3 POLE. WHERE NO RATING SHOWN, IT SHALL BE 30 AMP.
- - - - - DB- - - - - OR	ELECTRICAL UNDERGROUND DIRECT BURIED DUCT BANK
XX 2	CONVENIENCE RECEPTACLE - DUPLEX UNLESS NOTED OTHERWISE WP - WEATHERPROOF C - CLOCK HANGER TL - TWIST LOCK CRE - CORROSION RESISTANT GFCI -GROUND FAULT CIRCUIT INTERRUPTER SUBSCRIPT NUMBER AT RECEPTACLE INDICATES CIRCUIT
$3	SWITCH SUBSCRIPT TO NUMBER CORRESPONDS TO LIGHTS. WP WEATHERPROOF 3 THREE WAY EX EXPLOSIONPROOF M MOTOR RATED
4 OR 4	LUMINAIRE AND POLE, SEE SCHEDULE

NOTE:
ALL UNMARKED CONDUIT RUNS CONSIST OF TWO NO. 12, ONE NO. 12 GROUND CONDUCTORS IN 3/4" CONDUIT. RUNS MARKED WITH CROSSHATCHES INDICATE NUMBER OF NO. 12 CONDUCTORS. CROSSHATCH WITH SUBSCRIPT "G" INDICATES GREEN GROUND WIRE.

GROUND SYSTEM PLAN

	GROUND ROD
	GROUND ROD IN TEST WELL
- - - - - G - - - - -	GROUNDING CONDUCTOR, SIZE AS INDICATED

GENERAL SHEET NOTES

1. THESE ARE STANDARD LEGEND SHEETS. SOME SYMBOLS AND ABBREVIATIONS MAY APPEAR ON THE LEGEND AND NOT ON THE DRAWINGS.

STEPHEN HARBERT RYAN — WASHINGTON — 25868 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 2/9/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DSGN	DATE	BY	APVD
			B FULLER	

REVISION

DR	CHK	APVD
J SHOLL	A CZAPLA	M MACROSTIE

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
ELECTRICAL LEGEND 1

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-019
SHEET	19 of 71

ISSUED FOR CONSTRUCTION

FILENAME: 01-G-019_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:15

GENERAL CIRCUIT CONDUCTOR AND CONDUIT IDENTIFICATION

POWER CIRCUIT CALLOUTS			
[P1]	[3/4"FLEX, 2#12,#12G]	[P24]	[1"C,3#8,3#14,1#10G]
[P2]	[3/4"C,2#12,1#12G]	[P25]	[1"C,3#8,4#14,1#10G]
[P3]	[3/4"C,3#12,1#12G]	[P26]	[1"C,3#8,5#14,1#10G]
[P4]	[3/4"C,4#12,1#12G]	[P27]	[1"C,2#6, 1#10G]
[P5]	[3/4"C,5#12,1#12G]	[P28]	[1"C,3#6, 1#10G]
[P6]	[3/4"C,6#12,1#12G]	[P29]	[1"C,3#6, 2#14,1#10G]
[P7]	[3/4"C,7#12,1#12G]	[P30]	[1"C,3#6, 3#14,1#10G]
[P8]	[3/4"C,8#12,1#12G]	[P31]	[1"C,3#6, 4#14,1#10G]
[P9]	[3/4"C,3#12,2#14,1#12G]	[P32]	[1"C,3#6, 5#14,1#10G]
[P10]	[3/4"C,3#12,3#14,1#12G]	[P33]	[1"C,3#4,1#8G]
[P11]	[3/4"C,3#12,4#14,1#12G]	[P34]	[1 1/4"C,3#4,3#14,1#8G]
[P12]	[3/4"C,3#12,5#14,1#12G]	[P35]	[1 1/4"C,3#4,5#14,1#8G]
[P13]	[3/4"C,3#12,6#14,1#12G]	[P36]	[1 1/4"C,3#3, 1#8G]
[P14]	[3/4"C,3#12,7#14,1#12G]	[P37]	[1 1/4"C,3#3, 3#14,1#8G]
[P15]	[3/4"C,2#10,1#10G]	[P38]	[1 1/4"C,3#2, 1#6G]
[P16]	[3/4"C,3#10,1#10G]	[P39]	[1 1/4"C,3#1, 1#6G]
[P17]	[3/4"C,3#10,2#14,1#10G]	[P40]	[1 1/2"C,3#1/0, 1#6G]
[P18]	[3/4"C,3#10,3#14,1#10G]	[P41]	[1 1/2"C,3#2/0, 1#6G]
[P19]	[3/4"C,3#10,4#14,1#10G]	[P42]	[2"C,3#3/0, 1#4G]
[P20]	[3/4"C,3#10,5#14,1#10G]	[P43]	[2"C,3#4/0, 1#4G]
[P21]	[1"C,2#8,1#10G]		
[P22]	[1"C,3#8,1#10G]		
[P23]	[1"C,3#8,2#14,1#10G]		

POWER CABLE CIRCUIT CALLOUTS	
[PC1]	[3/4"C,1 (3C#12,1#12G) TYPE 2]
[PC2]	[3/4"C,1 (3C#10,1#10G) TYPE 2]
[PC3]	[1"C,1 (3C#8,1#10G) TYPE 2]
[PC4]	[1 1/4"C,2 (3C#12,1#12G) TYPE 2]
[PC5]	[1 1/2"C,2 (3C#10,1#10G) TYPE 2]
[PC1A]	[3/4"C,1 (2C#12,1#12G) TYPE 2]
[PC2A]	[1"C,1 (2C#10,1#10G) TYPE 2]

EMPTY CONDUIT	
[CE-1]	[3/4"C,WITH PULL STRING]
[CE-2]	[1"C,WITH PULL STRING]
[CE-3]	[1 1/4"C,WITH PULL STRING]
[CE-4]	[1 1/2"C,WITH PULL STRING]
[CE-5]	[2"C,WITH PULL STRING]
[CE-6]	[3"C,WITH PULL STRING]
[CE-7]	[4"C,WITH PULL STRING]
[CE-8]	[5"C,WITH PULL STRING]

ANALOG CIRCUIT CALLOUTS	
[A1]	[3/4"C,1 TYPE 3]
[A2]	[1"C,2 TYPE 3]
[A3]	[1"C,3 TYPE 3]
[A4]	[1"C,4 TYPE 3]
[A5]	[1 1/4"C,5 TYPE 3]
[A6]	[1 1/4"C,6 TYPE 3]
[A7]	[1 1/2"C,7 TYPE 3]
[A8]	[1 1/2"C,8 TYPE 3]
[A9]	[1 1/2"C,9 TYPE 3]
[A10]	[2"C,10 TYPE 3]
[A11]	[2"C,11 TYPE 3]
[A12]	[2"C,12 TYPE 3]
[A13]	[2"C,13 TYPE 3]
[A14]	[2"C,14 TYPE 3]
[A15]	[3/4"C,1 TYPE 4]
[A16]	[1"C,2 TYPE 4]
[A17]	[1"C,3 TYPE 4]
[A18]	[1 1/4"C,4 TYPE 4]
[A19]	[1 1/4"C,5 TYPE 4]
[A20]	[1 1/4"C,6 TYPE 4]
[A21]	[1 1/2"C,7 TYPE 4]
[A22]	[1 1/2"C,8 TYPE 4]
[A23]	[2"C,9 TYPE 4]
[A24]	[1"C,1-4 pr. TYPE 5]
[A25]	[2"C,2-4 pr. TYPE 5]

CONTROL CIRCUIT CALLOUTS	
[C1]	[3/4"C,MSC]
[C2]	[3/4"C,2#14,1#14G]
[C3]	[3/4"C,3#14,1#14G]
[C4]	[3/4"C,4#14,1#14G]
[C5]	[3/4"C,5#14,1#14G]
[C6]	[3/4"C,6#14,1#14G]
[C7]	[3/4"C,7#14,1#14G]
[C8]	[3/4"C,8#14,1#14G]
[C9]	[3/4"C,9#14,1#14G]
[C10]	[1"C,10#14,1#14G]
[C11]	[1"C,11#14,1#14G]
[C12]	[1"C,12#14,1#14G]
[C13]	[1"C,13#14,1#14G]
[C14]	[1"C,14#14,1#14G]
[C15]	[1"C,15#14,1#14G]
[C16]	[1"C,16#14,1#14G]
[C17]	[1"C,17#14,1#14G]
[C18]	[1"C,18#14,1#14G]
[C19]	[1"C,19#14,1#14G]
[C20]	[1 1/4"C,20#14,1#14G]
[C21]	[1 1/4"C,21#14,1#14G]
[C22]	[1 1/4"C,22#14,1#14G]
[C23]	[1 1/4"C,23#14,1#14G]
[C24]	[1 1/4"C,24#14,1#14G]
[C25]	[1 1/4"C,25#14,1#14G]
[MRC]	[1"C, MANUFACTURER RECOMMENDED CABLE]

CONTROL CABLE CIRCUIT CALLOUTS	
[CC5]	[3/4"C,1-5C TYPE 1]
[CC7]	[3/4"C,1-7C TYPE 1]
[CC9]	[1"C,1-9C TYPE 1]
[CC12]	[1"C,1-12C TYPE 1]
[CC19]	[1 1/2 ", 1-19C TYPE 1]
[CC25]	[1 1/2"C,1-25C TYPE 1]
[CC37]	[2"C,1-37C TYPE 1]

NETWORK CIRCUIT CALLOUTS	
[N1]	[1"C, 1 TYPE 30]
[N2]	[1"C, 2 TYPE 30]
[N3]	[1 1/2"C, 3 TYPE 30]
[N4]	[2"C, 6 STR FIBER OPTIC, SM]
[N5]	[1"C, 1 TYPE 31]

AFD CABLE CALLOUTS	
[AFD1]	[1 1/4"C,(3C)#6 TYPE 8]
[AFD2]	[2"C,(3C)#1 TYPE 8]

NOTES:

1. FOR CABLE TYPES, SEE SPECIFICATIONS.
2. CONDUIT SIZES ARE BASED ON THE AREA OF XHHW-2 90º C CONDUCTORS.

STEPHEN HARBERT WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — RYAN

DIGITALLY STAMPED: 2/9/2026

© JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		J.SHOLL	A.CZAPLA	M.MACROSTIE			B.FULLER

REVISION

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL
ELECTRICAL LEGEND 2

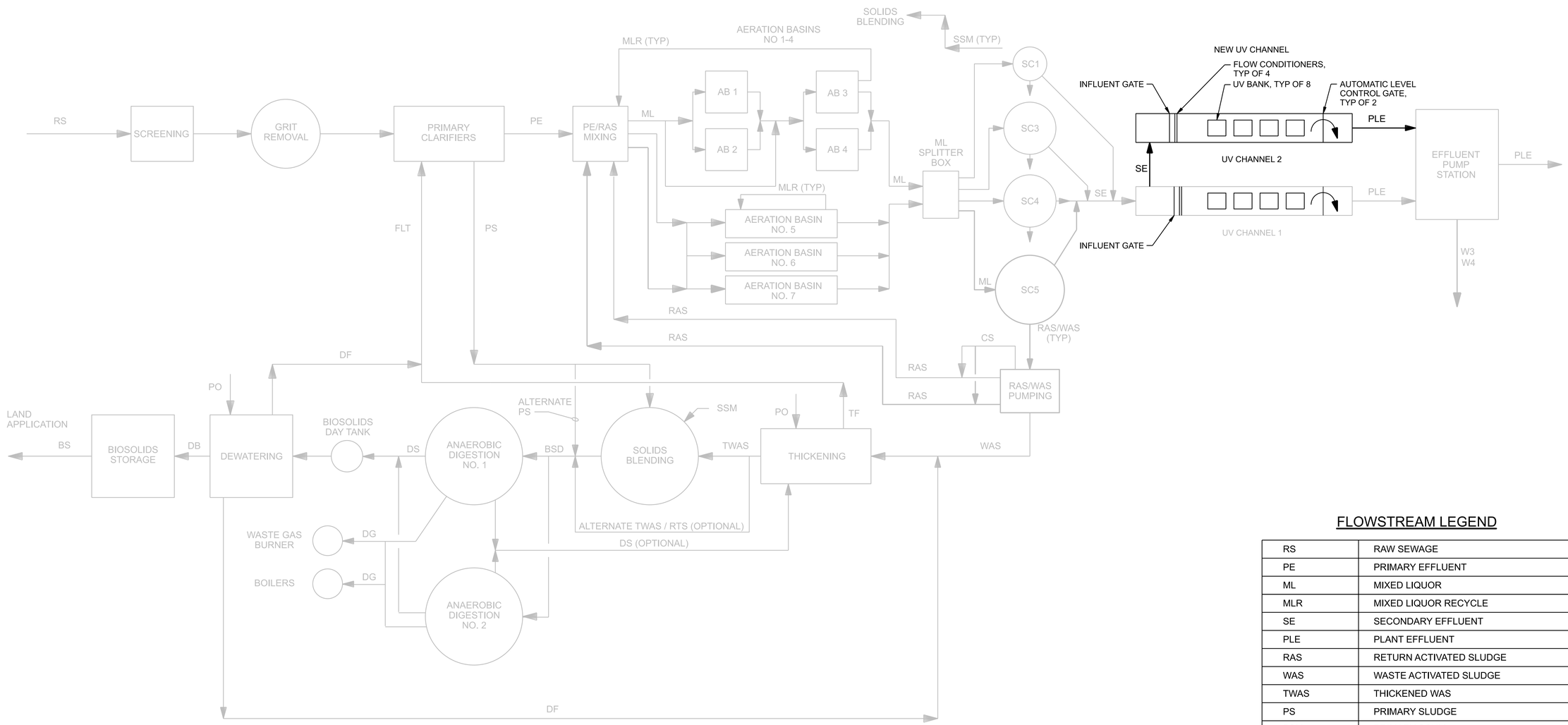
VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-020
SHEET	20 of 71

ISSUED FOR CONSTRUCTION

FILENAME: 01-G-020_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:15



FLOWSTREAM LEGEND

RS	RAW SEWAGE
PE	PRIMARY EFFLUENT
ML	MIXED LIQUOR
MLR	MIXED LIQUOR RECYCLE
SE	SECONDARY EFFLUENT
PLE	PLANT EFFLUENT
RAS	RETURN ACTIVATED SLUDGE
WAS	WASTE ACTIVATED SLUDGE
TWAS	THICKENED WAS
PS	PRIMARY SLUDGE
PSM	PRIMARY SCUM
SSM	SECONDARY SCUM
BSD	BLENDED SLUDGE
DS	DIGESTED SLUDGE
DB	DEWATERED BIOSOLIDS
TF	THICKENING FILTRATE
DF	DEWATERING FILTRATE
W3, W4	PLANT WATER 3 AND 4
PO	POLYMER
CS	CHLORINE SOLUTION
BS	BIOSOLIDS
RTS	RECUPERATIVE THICKENED SLUDGE
DG	DIGESTER GAS
FLT	FILTRATE RECYCLE

NO.	DESGN	DATE	REVISION	DR	CHK	APVD	BY	APVD
		C COTTON	J SETNIK		J CHANG		B FULLER	

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

GENERAL

PROCESS MECHANICAL PROCESS FLOW DIAGRAM

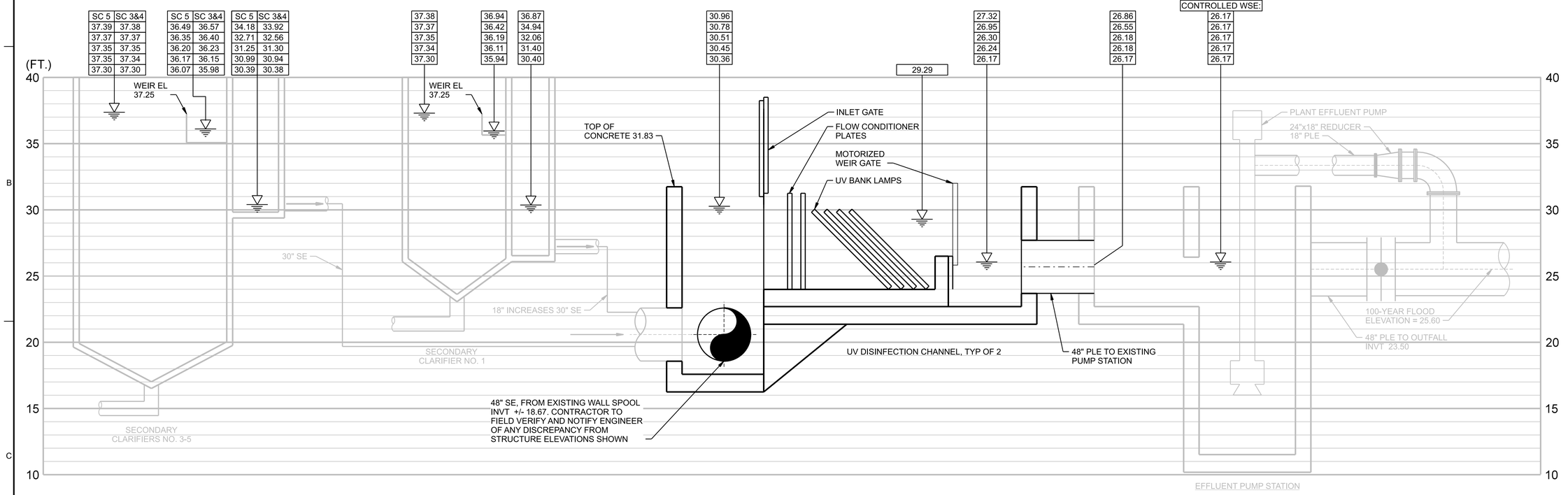
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-021
SHEET	21 of 71

FILENAME: 01-G-021_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 07:26



HYDRAULIC PROFILE

LEGEND:

XX.XX	- WATER SURFACE ELEVATION AT DESIGN FLOW = 34.2 MGD
XX.XX	- WATER SURFACE ELEVATION AT PHASE 5 PEAK HOUR FLOW = 28.7 MGD
XX.XX	- WATER SURFACE ELEVATION AT PHASE 5 MONTHLY MAXIMUM WET WEATHER FLOW = 17.5 MGD
XX.XX	- WATER SURFACE ELEVATION AT PHASE 5 AVERAGE ANNUAL FLOW = 13.7 MGD
XX.XX	- WATER SURFACE ELEVATION AT MINIMUM DAILY FLOW = 3.0 MGD

GENERAL SHEET NOTES

1. ALL FLOW SCENARIOS ASSUME ALL SECONDARY CLARIFIERS IN SERVICE.
2. WSE OF 26.17 FOR EFFLUENT PUMP STATION SET BASED ON COMMUNICATION WITH OPERATIONS STAFF.
3. FUTURE HYDRAULIC CONDITIONS ASSUMED WSE OF 26.17 IN EFFLUENT PUMP STATION REMAINS UNCHANGED.

CHRISTOPHER STEPHEN COTTON
STATE OF WASHINGTON
25005888
REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		C COTTON	J SETNIK	J CHANG	APVD	B FULLER	

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

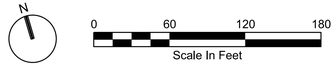
Jacobs

GENERAL
PROCESS MECHANICAL
HYDRAULIC PROFILE

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	01-G-022
SHEET	22 of 71

FILENAME: 01-G-022_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:38



NOTES:

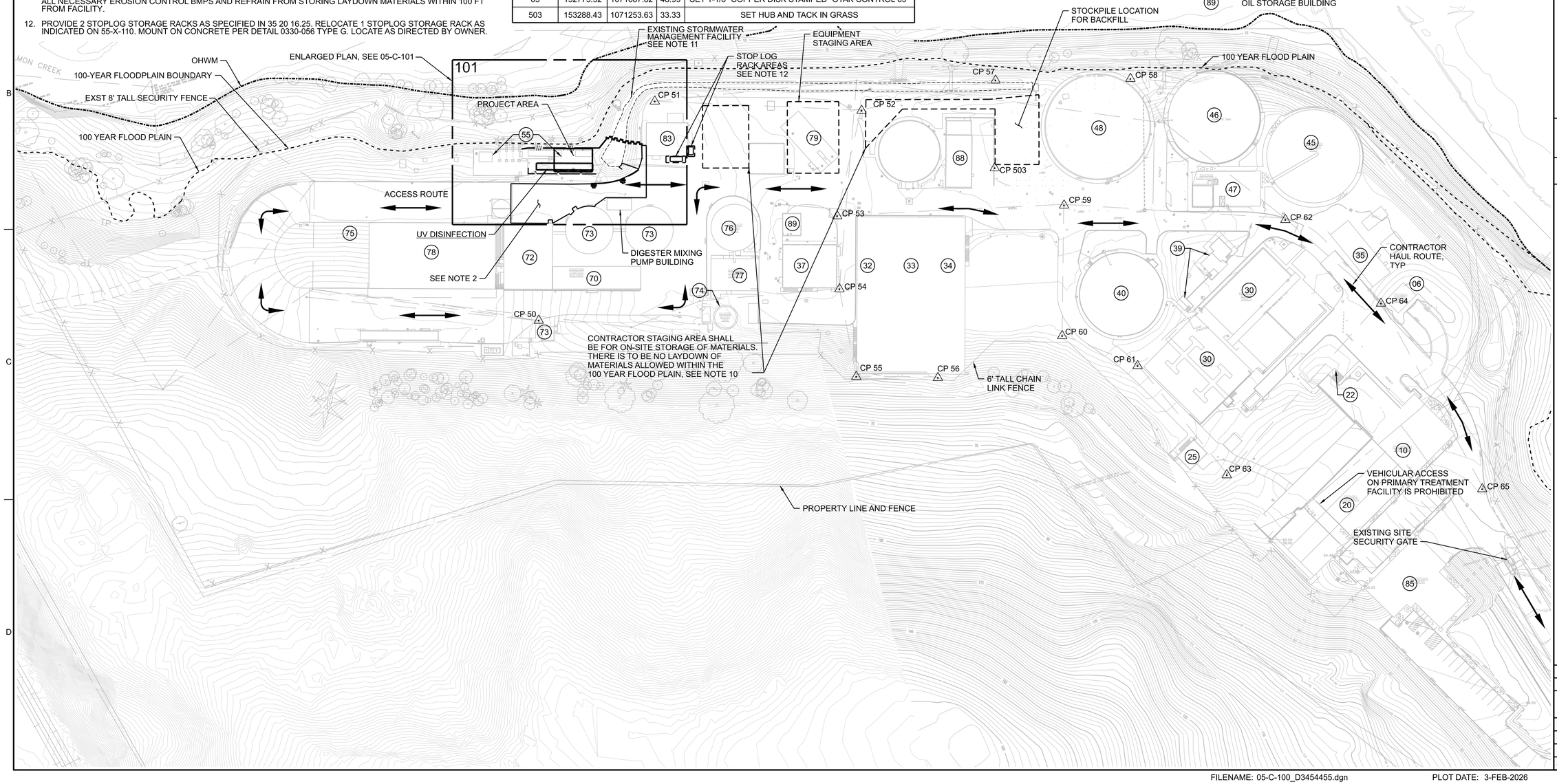
1. CONTRACTOR SHALL MAINTAIN ACCESS FOR PLANT PERSONNEL TO ALL AREAS OF THE EXISTING FACILITY DURING CONSTRUCTION, UNLESS NOTED OTHERWISE.
2. ACCESS ROUTES WILL BE SHARED WITH OWNER AND OTHER CONTRACTORS. MAINTAIN MINIMUM ONE 14' WIDE LANE WIDTH AT ALL TIME UNLESS APPROVED IN WRITING BY OWNER. COORDINATE WITH OWNER TO SCHEDULE PAVING. REFER TO SPECIFICATION 01 31 15, CONSTRUCTION SEQUENCING AND CONSTRAINTS.
3. ALL EXCESS EXCAVATION MATERIALS MUST BE DISPOSED OF OFFSITE. NO ONSITE DISPOSAL OF EXCESS EXCAVATION MATERIALS WILL BE ALLOWED.
4. UPON COMPLETION OF PROJECT, STAGING AREA SHALL BE RESTORED TO MATCH EXISTING CONDITIONS. CONTRACTOR TO DOCUMENT EXISTING IRRIGATION SYSTEM IN ALL ANTICIPATED AREAS PRIOR TO BE IMPACTED DURING CONSTRUCTION. PROVIDE SUBMITTAL DETAILING EXISTING SYSTEM, POTENTIAL IMPACTS AND PROPOSED TEMPORARY FACILITIES OR OTHER MEANS OF PROTECTION. DEMONSTRATE THE SAME NUMBER OF ZONES AND HEADS ARE INSTALLED AS RECORDED AND PROVIDE HYDROSTATIC TEST.
5. MAINTAIN A SECURE PERIMETER AT ALL TIMES.
6. OWNER TO PROVIDE FULL TIME ARCHAEOLOGICAL MONITORING FOR ALL GROUND DISTURBANCE ACTIVITY. CONTRACTOR TO COORDINATE WITH OWNER AS SPECIFIED IN 01 50 00.
7. STREET SWEEPING OR OTHER ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE ALL PAVED AREAS ARE KEPT CLEAN THROUGHOUT CONSTRUCTION FOR ADDITIONAL EROSION CONTROL DEVICES, SEE DRAWING 05-CE-101.
8. PLASTIC SHEETING SHALL BE USED TO COVER ALL STOCKPILE AREAS DURING WET WEATHER CONDITIONS. FOR PLASTIC SHEETING, SEE CLARK COUNTY STANDARD DETAIL E16.
9. CONTRACTOR TO PROVIDE WATER SUPPLY FOR TIRE WASH AND DISPOSE OF TURBID WATER THROUGH A FILTER SACK. PROVIDE A MINIMUM OF 100 FEET FOR FLOW DISPERSION.
10. CONTRACTOR TO COORDINATE WITH OWNER AND GAIN APPROVAL FOR USE OF STAGING AREA(S) SHOWN.
11. EXISTING STORMWATER FACILITIES FLOW DIRECTLY TO THE RIVER. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY EROSION CONTROL BMPS AND REFRAIN FROM STORING LAYDOWN MATERIALS WITHIN 100 FT FROM FACILITY.
12. PROVIDE 2 STOPLOG STORAGE RACKS AS SPECIFIED IN 35 20 16.25. RELOCATE 1 STOPLOG STORAGE RACK AS INDICATED ON 55-X-110. MOUNT ON CONCRETE PER DETAIL 0330-056 TYPE G. LOCATE AS DIRECTED BY OWNER.

SURVEY CONTROL

CONTROL POINT (CP)	NORTHING	EASTING	ELEV	DESCRIPTION
50	153268.12	1070700.50	46.05	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 50"
51	153472.57	1070899.84	34.74	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 51"
52	153395.14	1071125.23	30.98	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 52"
53	153286.62	1071064.06	30.15	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 53"
54	153205.09	1071042.83	30.13	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 54"
55	153102.91	1071032.87	53.40	SET 1" PLASTIC HUB STAMPED "SURVEY MARK 55"
56	153075.20	1071122.76	52.19	SET 1" PLASTIC HUB STAMPED "SURVEY MARK 56"
57	153385.04	1071282.98	30.25	SET 1" PLASTIC HUB STAMPED "SURVEY MARK 57"
58	153343.06	1071432.53	30.14	SET 1" PLASTIC HUB STAMPED "SURVEY MARK 58"
59	153224.72	1071318.06	33.96	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 59"
60	153081.11	1071273.57	37.39	SET 1" PLASTIC HUB STAMPED "SURVEY MARK 60"
61	153023.51	1071347.17	39.05	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 61"
62	153136.92	1071557.81	39.90	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 62"
63	152873.93	1071410.15	47.15	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 63"
64	153013.46	1071636.20	44.14	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 64"
65	152775.52	1071687.82	48.99	SET 1-1/8" COPPER DISK STAMPED "OTAK CONTROL 65"
503	153288.43	1071253.63	33.33	SET HUB AND TACK IN GRASS

FACILITY DESIGNATIONS	FACILITY NAME
06	WELL HOUSE
07	36TH AVENUE PUMP STATION (NOT SHOWN)
08	FORCE MAIN (NOT SHOWN)
10	PRELIMINARY TREATMENT
20	PRIMARY TREATMENT
22	PRELIMINARY / PRIMARY ODOR CONTROL
25	PE/RAS MIXING BOX
30	AERATION BASINS NO. 1-4
32	AERATION BASIN NO. 5
33	AERATION BASIN NO. 6
34	AERATION BASIN NO. 7
35	BLOWER BUILDING FOR AERATION BASINS NO. 1-4
37	BLOWER BUILDING FOR AERATION BASINS NO. 5-6
39	MIXED LIQUOR (ML) SPLITTER BOXES
40	SECONDARY CLARIFIERS NO. 1-2
45	SECONDARY CLARIFIER NO. 3
46	SECONDARY CLARIFIER NO. 4

FACILITY DESIGNATIONS	FACILITY NAME
47	RAS/WAS PUMP STATION
48	SECONDARY CLARIFIER NO. 5
55	EFFLUENT PUMP STATION/ UV DISINFECTION / UV EQUIPMENT CANOPY
60	OUTFALL (NOT SHOWN)
70	DIGESTER CONTROL BUILDING
72	SOLIDS PROCESSING CENTER
73	ANAEROBIC DIGESTERS NO. 1-2/ WASTE GAS BURNER BUILDING
74	SLUDGE BLEND TANK
75	SOLIDS ODOR CONTROL
76	BIOSOLIDS BLEND TANK
77	DIGESTER CONTROL COMPLEX
78	BIOSOLIDS STORAGE BUNKERS NO. 1-4
79	TRUCK LOADING FACILITY
83	ELECTRICAL BUILDING
85	OPERATIONS CENTER
88	OLD MAINTENANCE BUILDING
89	OIL STORAGE BUILDING



NO.	DATE	REVISION	BY	APVD
DSGN	E BRUSSE	DR J PFEIFER	CHK M BALDWIN	APVD B FULLER

DIGITALLY STAMPED: 2/19/2026

© JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

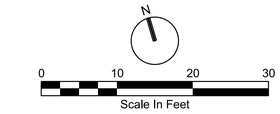
SITE DEVELOPMENT
CIVIL
OVERALL SITE PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-C-100
SHEET	23 of 71

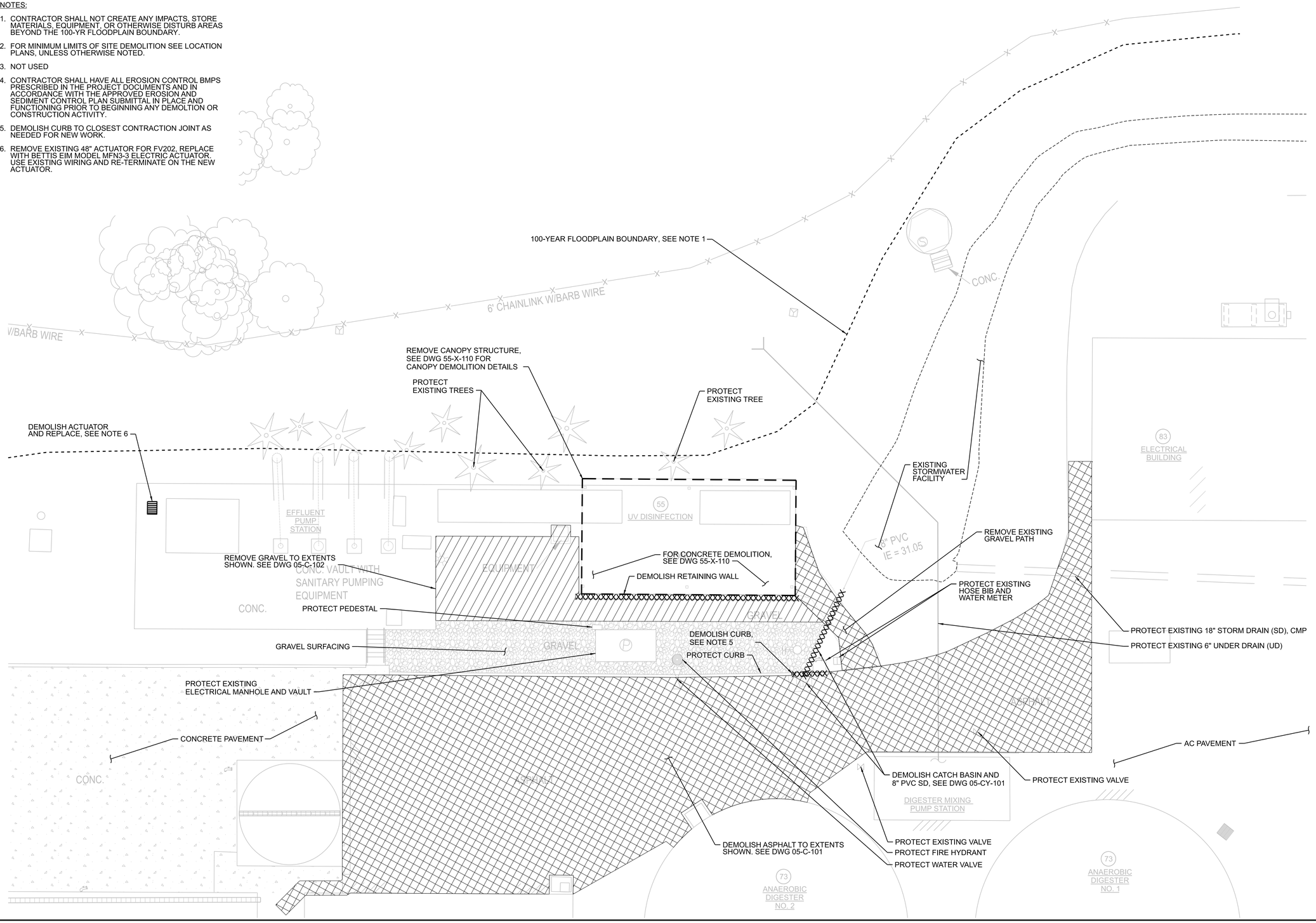
ISSUED FOR CONSTRUCTION

FILENAME: 05-C-100_D3454455.dgn PLOT DATE: 3-FEB-2026 PLOT TIME: 08:11



NOTES:

1. CONTRACTOR SHALL NOT CREATE ANY IMPACTS, STORE MATERIALS, EQUIPMENT, OR OTHERWISE DISTURB AREAS BEYOND THE 100-YR FLOODPLAIN BOUNDARY.
2. FOR MINIMUM LIMITS OF SITE DEMOLITION SEE LOCATION PLANS, UNLESS OTHERWISE NOTED.
3. NOT USED
4. CONTRACTOR SHALL HAVE ALL EROSION CONTROL BMPS PRESCRIBED IN THE PROJECT DOCUMENTS AND IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SUBMITTAL IN PLACE AND FUNCTIONING PRIOR TO BEGINNING ANY DEMOLTION OR CONSTRUCTION ACTIVITY.
5. DEMOLISH CURB TO CLOSEST CONTRACTION JOINT AS NEEDED FOR NEW WORK.
6. REMOVE EXISTING 48" ACTUATOR FOR FV202, REPLACE WITH BETTIS EIM MODEL MFN3-3 ELECTRIC ACTUATOR. USE EXISTING WIRING AND RE-TERMINATE ON THE NEW ACTUATOR.



JOHN BALDWIN
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD
REVISION		E BRUSSE	J PFEIFER	M BALDWIN	B FULLER
				BY	APVD

THESE DRAWINGS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

Jacobs

SITE DEVELOPMENT

CIVIL DEMOLITION PLAN AREA 101

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-CX-101
SHEET	24 of 71

FILENAME: 05-CX-101_D3454455.dgn PLOT DATE: 3-FEB-2026 PLOT TIME: 08:11

COORDINATE TABLE			
POINT NO.	DESCRIPTION	NORTHING	EASTING
101	OUTSIDE CORNER OF UV DISINFECTION WALL	153442.79	1070749.57
102	OUTSIDE CORNER OF UV DISINFECTION WALL	153424.09	1070811.64
103	BEGIN RETAINING WALL	153434.67	1070745.90
104	END RETAINING WALL	153414.19	1070813.88
105	BEGIN RETAINING WALL	153419.78	1070818.39
106	RETAINING WALL CORNER	153406.19	1070845.50
107	END RETAINING WALL	153398.86	1070846.65
108	EDGE OF SIDEWALK	153430.79	1070813.66
109	EDGE OF SIDEWALK	153415.23	1070814.20
110	EDGE OF SIDEWALK	153402.23	1070840.13
111	EDGE OF SIDEWALK, FACE OF CURB	153397.43	1070840.85
112	EDGE OF PAVEMENT	153427.86	1070871.72
113	EDGE OF PAVEMENT	153368.60	1070859.51
114	EDGE OF PAVEMENT	153382.08	1070814.65
115	EDGE OF PAVEMENT	153377.24	1070800.82
116	EDGE OF PAVEMENT	153375.51	1070799.82
117	EDGE OF PAVEMENT	153374.45	1070770.48

COORDINATE TABLE (CONT)			
POINT NO.	DESCRIPTION	NORTHING	EASTING
118	EDGE OF PAVEMENT	153376.10	1070769.36
119	EDGE OF PAVEMENT	153371.06	1070747.67
120	EDGE OF PAVEMENT	153384.97	1070701.70
121	EDGE OF PAVEMENT	153428.45	1070714.78
122	EDGE OF PAVEMENT, FACE OF CURB	153401.91	1070803.54
123	FACE OF CURB, PC, 100' R	153399.97	1070810.81
124	FACE OF CURB, PT	153396.73	1070836.20
125	EDGE OF PAVEMENT	153402.51	1070860.18
126	EDGE OF PAVEMENT	153414.09	1070867.92
127	EDGE OF PAVEMENT	153426.39	1070876.66
128	EDGE OF RIPRAP	153402.96	1070860.50
129	EDGE OF RIPRAP	153414.92	1070843.99
130	EDGE OF RIPRAP	153411.59	1070839.42
131	EDGE OF SIDEWALK	153420.08	1070815.66
132	EDGE OF SIDEWALK	153429.35	1070818.45
133	EDGE OF SIDEWALK	153440.06	1070775.97
134	CORNER OF SIDEWALK	153450.45	1070741.45
135	EDGE OF SIDEWALK	153438.25	1070737.76

N

0 10 20 30

Scale In Feet

NOTES:

1. RESTORE DISTURBED AREA NOT RECEIVING ASPHALT CONCRETE SURFACING AS SPECIFIED IN SPECIFICATION 32 92 00. TURF AND GRASSES. FOR BACKFILL REQUIREMENTS, REFER TO GRADING PLANS. PROVIDE TEMPORARY IRRIGATION AS NEEDED FOR LANDSCAPE ESTABLISHMENT. FOR SWALE SURFACE RESTORATION, SEE CLARK COUNTY STANDARD DETAIL D11.2.
2. FOR SURFACE RESTORATION INVOLVING PIPE TRENCHING, SEE DETAIL 3123-115.
3. REFER TO YARD PIPING PLAN FOR LOCATIONS OF CATCH BASINS, CONVEYANCE PIPING OUTFALLS AND AREAS OF RISK.
4. COORDINATE STAGING AREA LOCATIONS WITH RESIDENT PROJECT REPRESENTATIVE. CONTRACTOR TO GRADE AS NECESSARY AND PLACE GRAVEL FOR STAGING AREA. STAGING AREAS TO BE RESTORED PER SPECIFICATION 32 92 00, AND ALL GRAVEL SHALL BE REMOVED AT THE END OF THE PROJECT. CONTRACTOR TO A MAXIMUM 4:1 SLOPE FROM STAGING AREAS TO ADJACENT FACILITIES AND STRUCTIURES.
5. CONTRACTOR IS RESPONSIBLE FOR MEETING POST-CONSTRUCTION SOIL QUALITY AND DEPTH (BMP T5.13) PER 2021 CLARK COUNTY STORMWATER MANUAL FOR ALL DISTURBED AREAS.
6. FILL IN AREA BETWEEN EXISTING UV FACILITY AND PROPOSED UV FACILITY WITH CONCRETE SIDEWALK. PROVIDE EXPANSION JOINT MATERIAL BETWEEN CONCRETE SIDEWALK AND EXISTING AND PROPOSED FACILITIES.
7. MAINTAIN CLEAR OPENING FOR EXISTING 18" STORM DRAIN (CMP) OUTLET, HAND LAY RIPRAP AROUND PIPE OUTLET. PLACE NON-WOVEN GEOTEXTILE UNDERNEATH THE RIPRAP.

OHWM

6' CHAINLINK W/BARB WIRE

'K W/BARB WIRE

100-YEAR FLOODPLAIN BOUNDARY, SEE NOTE 4 ON DRAWING 05-C-100

EXISTING STORMWATER POND

CANOPY AND UV DISINFECTION FACILITY, SEE DWG 55-S-120

3213-220 CONCRETE SIDEWALK, SEE NOTE 6

RESTORE AS REQUIRED, SEE NOTE 1

83 ELECTRICAL BUILDING

RETAINING WALL, SEE DWG 05-CG-101

TRENCH RESTORATION, SEE NOTE 2

EXST 18" STORM DRAIN (CMP) OUTLET, SEE NOTE 7

STOP LOG RACK AREA, SEE NOTE 12 ON DWG 05-C-100

55 UV DISINFECTION

EFFLUENT PUMP STATION

BLOCK RETAINING WALL, SEE DWG 05-CG-101

ELECTRICAL HANDHOLE, TYP

RIPRAP, CLASS 'A', MIN 12" THICK

CONCRETE EDGE 3213-251

ALUMINUM RAILING 0552-001

CONCRETE TO ASPHALT TRANSITION 3213-250

CATCH BASIN, SEE DWG 05-CY-101

CONCRETE CURB 3216-315

PROTECT WATER VALVE, SEE NOTE 2 ON 05-CG-101

CONCRETE SIDEWALK 3213-220

RESTORE GRAVEL SURFACING AS NEEDED AFTER INSTALLATION OF BLOCK RETAINING WALL

ASPHALT CONCRETE PAVEMENT 3212-210

RESTORE SURFACE FROM TRENCHING TO NEAREST EXPANSION JOINT

DIGESTER MIXING PUMP STATION

73 ANAEROBIC DIGESTER NO. 2

73 ANAEROBIC DIGESTER NO. 1

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		E BRUSSE	J PFEIFER	M BALDWIN	B FULLER		

JOHN MATTHEW BALDWIN — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

SITE DEVELOPMENT

CIVIL
LOCATION PLAN
AREA 101

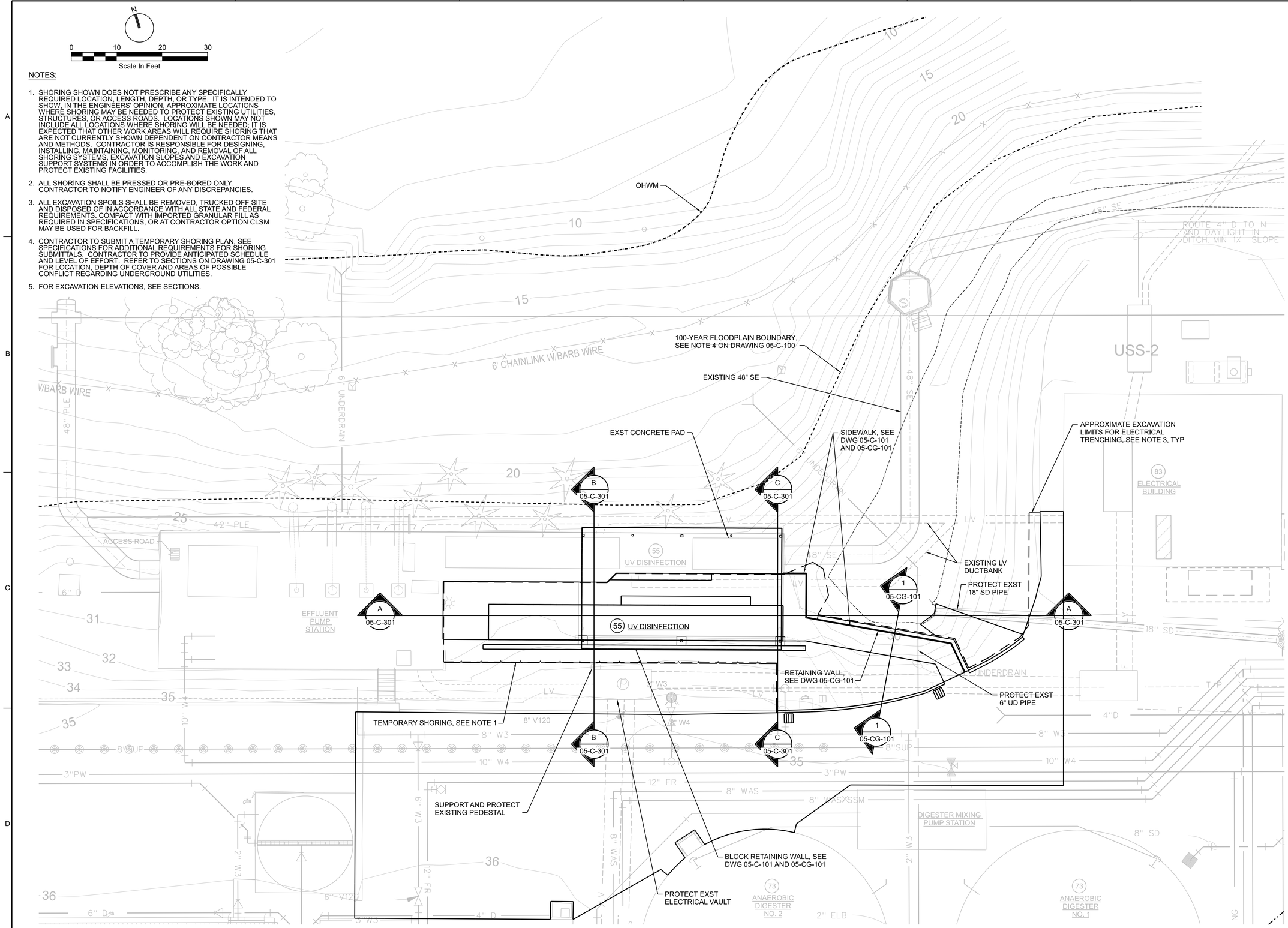
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-C-101
SHEET	25 of 71

FILENAME: 05-C-101_D3454455.dgn PLOT DATE: 2-FEB-2026 PLOT TIME: 15:20



NOTES:

1. SHORING SHOWN DOES NOT PRESCRIBE ANY SPECIFICALLY REQUIRED LOCATION, LENGTH, DEPTH, OR TYPE. IT IS INTENDED TO SHOW, IN THE ENGINEERS' OPINION, APPROXIMATE LOCATIONS WHERE SHORING MAY BE NEEDED TO PROTECT EXISTING UTILITIES, STRUCTURES, OR ACCESS ROADS. LOCATIONS SHOWN MAY NOT INCLUDE ALL LOCATIONS WHERE SHORING WILL BE NEEDED; IT IS EXPECTED THAT OTHER WORK AREAS WILL REQUIRE SHORING THAT ARE NOT CURRENTLY SHOWN DEPENDENT ON CONTRACTOR MEANS AND METHODS. CONTRACTOR IS RESPONSIBLE FOR DESIGNING, INSTALLING, MAINTAINING, MONITORING, AND REMOVAL OF ALL SHORING SYSTEMS, EXCAVATION SLOPES AND EXCAVATION SUPPORT SYSTEMS IN ORDER TO ACCOMPLISH THE WORK AND PROTECT EXISTING FACILITIES.
2. ALL SHORING SHALL BE PRESSED OR PRE-BORED ONLY. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES.
3. ALL EXCAVATION SPOILS SHALL BE REMOVED, TRUCKED OFF SITE AND DISPOSED OF IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS. COMPACT WITH IMPORTED GRANULAR FILL AS REQUIRED IN SPECIFICATIONS, OR AT CONTRACTOR OPTION CLSM MAY BE USED FOR BACKFILL.
4. CONTRACTOR TO SUBMIT A TEMPORARY SHORING PLAN. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SHORING SUBMITTALS. CONTRACTOR TO PROVIDE ANTICIPATED SCHEDULE AND LEVEL OF EFFORT. REFER TO SECTIONS ON DRAWING 05-C-301 FOR LOCATION, DEPTH OF COVER AND AREAS OF POSSIBLE CONFLICT REGARDING UNDERGROUND UTILITIES.
5. FOR EXCAVATION ELEVATIONS, SEE SECTIONS.

NO.	DATE	REVISION	BY	APVD
DSGN	E BRUSSE	DR J PFEIFER	CHK M BALDWIN	APVD B FULLER

DIGITALLY STAMPED: 2/10/2026
© JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

SITE DEVELOPMENT

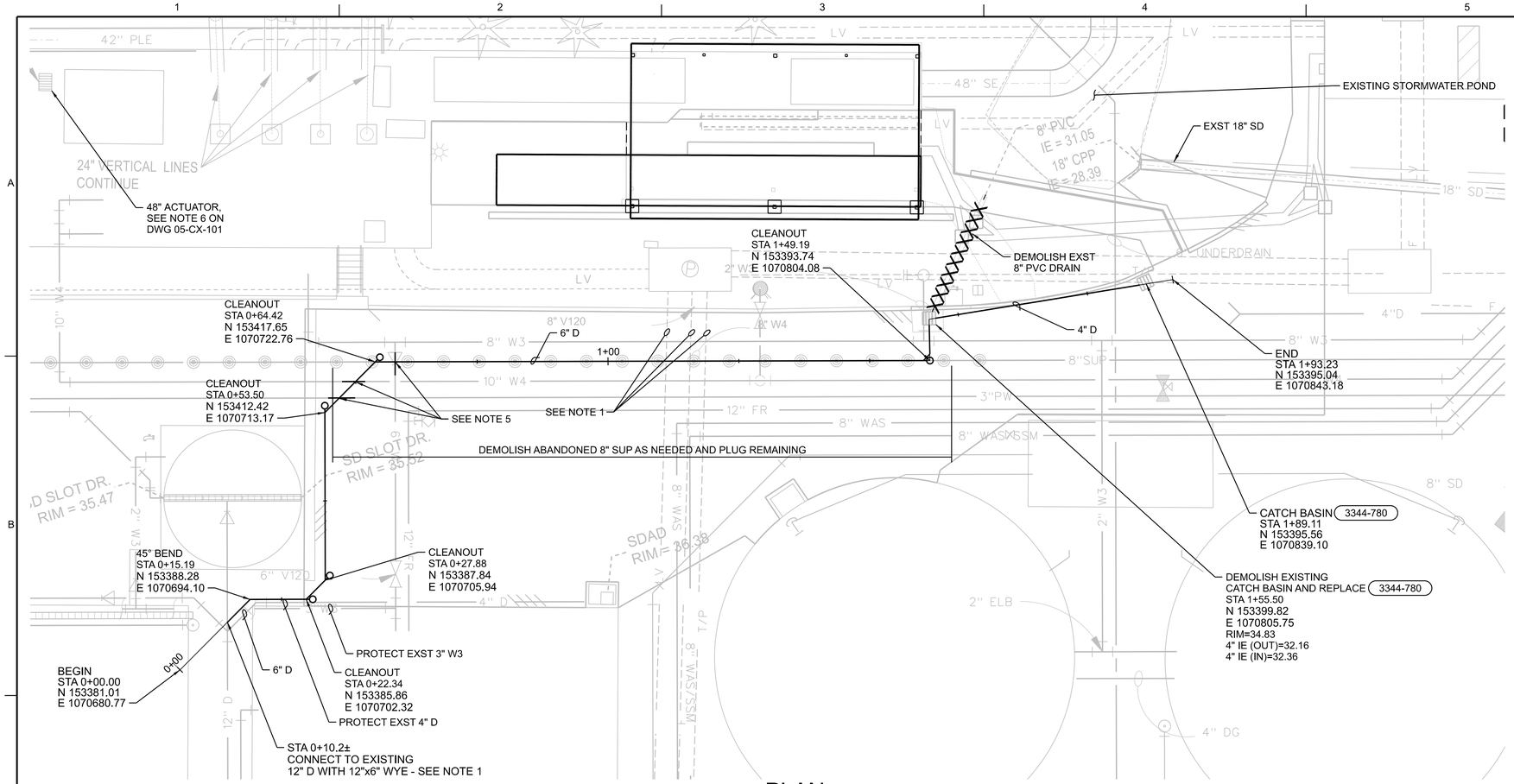
CIVIL EXCAVATION/SHORING PLAN AREA 101

ISSUED FOR CONSTRUCTION

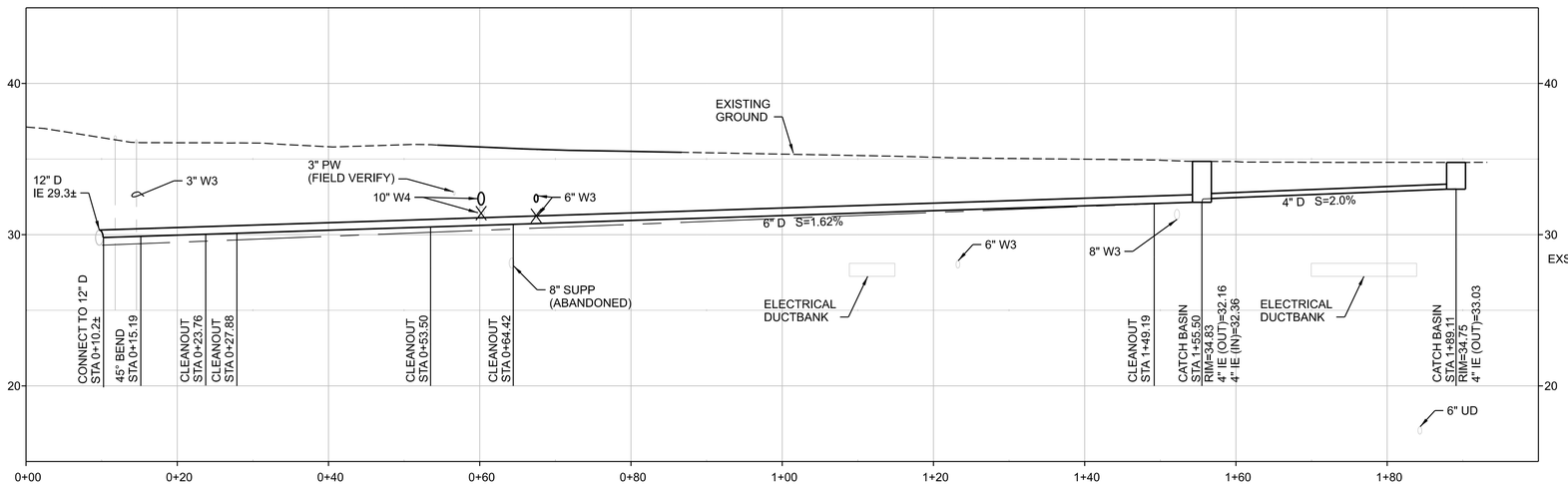
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-C-102
SHEET	26 of 71

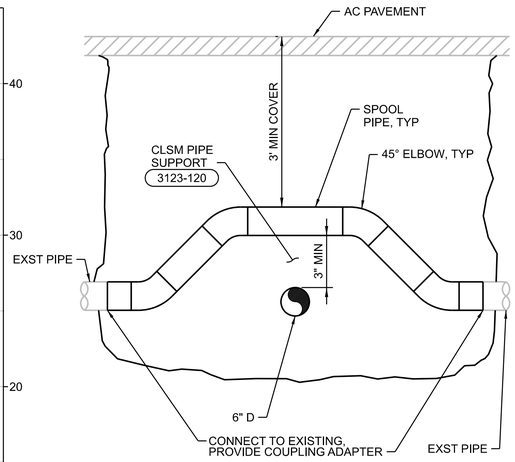
FILENAME: 05-C-102_D3454455.dgn PLOT DATE: 02\03\2026 PLOT TIME: 6:23:25 AM



PLAN
1"=10'



PROFILE
HORIZ: 1"=10'
VERT: 1"=5'



NOTE: ONLY APPLIES TO PRESSURIZED PIPELINES. REPORT OTHER CROSSSING CONFLICTS WITH ENGINEER

1 TYPICAL PIPE CROSSING
NTS

1. EXISTING UNDERGROUND UTILITIES OBTAINED FROM AS-BUILTS AND FROM FIELD SURVEY. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION PRIOR TO TRENCHING. REPORT ANY CROSSING CONFLICTS OR DISCREPENCIES WITH OWNER AND ENGINEER.
2. FOR PIPE CROSSINGS WHERE CLEARANCE IS LESS THAN 12" OR 6" D IS UNDER EXISTING UTILITIES USE CLSM, SEE DETAIL 3123-120.
3. FOR TRENCHING AND BACKFILL, SEE SPECIFICATION 31 23 23.15 AND DETAIL 3123-110.
4. FOR CLEANOUTS, SEE CLARK COUNTY STANDARD DETAIL D15.
5. FIELD LOCATE 6" W3, 10" W4 AND 3" PW. COORDINATE DISCONNECTION OF UTILITIES WITH THE OWNER AND RAISE PIPES TO AVOID 6" D ROUTING AS SHOWN IN DETAIL 1 ON THIS DRAWING, TYPICAL. DISINFECT PW PIPING PER ARTICLE 7-09.3 OF WSDOT STANDARD SPECIFICATIONS.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		E BRUSSE	J PFEIFER	M BALDWIN	B FULLER		

JOHN MATTHEW BALDWIN — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON — 37487

DIGITALLY STAMPED: 2/10/2026
©JACOBS 2026. ALL RIGHTS RESERVED.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

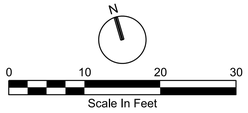
SITE DEVELOPMENT
CIVIL
YARD PIPING PLAN
AREA 101

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-CY-101
SHEET	27 of 71

FILENAME: 05-CY-101_D3454455.dgn PLOT DATE: 02\04\2026 PLOT TIME: 1:48:15 PM



NOTES:

1. CONTRACTOR SHALL SUBMIT A COMPLETE TEMPORARY EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR APPROVAL AS SPECIFIED. REFER TO GENERAL EROSION CONTROL NOTES ON DRAWING 01-G-006.
2. FOR STRAW WATTLE CRITERIA AND INSTALLATION, SEE CLARK COUNTY STANDARD DETAIL E6.
3. FOR SILT FENCE CRITERIA AND INSTALLATION, SEE CLARK COUNTY STANDARD DETAIL E4.
4. REFER TO DRAWING 05-C-100 FOR STAGING AREA LOCATIONS AND NOTES. STAGING OR STORAGE OF MATERIALS OUTSIDE OF CONTRACTOR STAGING AREA SHALL NOT BE ALLOWED EXCEPT FOR IMMEDIATE CONSTRUCTION ACTIVITIES. STAGING OR STORAGE OF MATERIALS OUTSIDE OF CONTRACTOR STAGING AREA SHALL NOT BE ALLOWED EXCEPT FOR IMMEDIATE CONSTRUCTION ACTIVITIES.
5. CONTRACTOR TO INSTALL INLET PROTECTION FOR ALL INLETS ALONG TRAVEL ROUTES, AND OTHERS NOT SHOWN. FOR INLET PROTECTION TYPE 4, BIO-FILTER BAGS, SEE CLARK COUNTY STANDARD DETAIL E3c.
6. STREET SWEEPING AND OTHER ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE ALL PAVED AREAS ARE KEPT CLEAN THROUGHOUT CONSTRUCTION.
7. TEMPORARY STOCKPILES MAY BE CONSTRUCTED AT LOCATIONS APPROVED BY RESIDENT PROJECT REPRESENTATIVE. PLASTIC SHEETING SHALL BE USED TO COVER ALL STOCKPILE AREAS DURING WET WEATHER CONDITIONS. FOR PLASTIC SHEETING, SEE CLARK COUNTY STANDARD DETAIL E16.
8. FOR SWALE SURFACE RESTORATION, SEE CLARK COUNTY STANDARD DETAIL D11.2.
9. CONTAIN ALL TRENCH SPOILS ON UPHILL SIDE OF TRENCHES.
10. PROVIDE, INSPECT AND MAINTAIN ANY ADDITIONAL TEMPORARY EROSION CONTROL BMPS AS REQUIRED DEPENDING ON PERFORMANCE IN THE FIELD AND AS SITE CONDITIONS CHANGE TO SATISFY PERMIT REQUIREMENTS.
11. ALL DISTURBED AREAS SHALL BE STABILIZED WITH BMPS UNTIL FINAL STABILIZATION IS ESTABLISHED.
12. CONTRACTOR TO TEMPORARILY OR PERMANENTLY RECONFIGURE BMPs AS NEEDED THROUGHOUT CONSTRUCTION. THIS SHALL BE NOTED AND APPROVED IN EROSION CONTROL SUBMITTAL PROVIDED BY CONTRACTOR.

6' CHAINLINK W/BARB WIRE

W/BARB WIRE

100-YEAR FLOODPLAIN BOUNDARY

SILT FENCING, TYP, SEE NOTE 3

EXISTING STORMWATER FACILITY

STRAW WATTLES, SEE NOTE 2

83 ELECTRICAL BUILDING

EXCAVATION LIMITS

55 UV DISINFECTION

SEE NOTE 8

RETAINING WALL

EFFLUENT PUMP STATION

55 UV DISINFECTION

STOP LOG RACK AREA, SEE DWG 05-C-100 2

EXISTING GRAVEL

SIDEWALK

BLOCK RETAINING WALL

INLET PROTECTION, SEE NOTE 5

FOR STAGING AREAS, SEE DWG 05-C-100

FOR STAGING AREAS, SEE DWG 05-C-100

EXISTING CONCRETE PAVEMENT

AC PAVEMENT

DIGESTER MIXING PUMP STATION

73 ANAEROBIC DIGESTER NO. 2

73 ANAEROBIC DIGESTER NO. 1

JOHN BALDWIN — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD
REVISION		E BRUSSE	J PFEIFER	M BALDWIN	B FULLER
BY	APVD				

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SITE DEVELOPMENT

CIVIL
EROSION CONTROL PLAN AREA 101

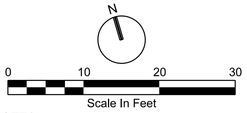
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

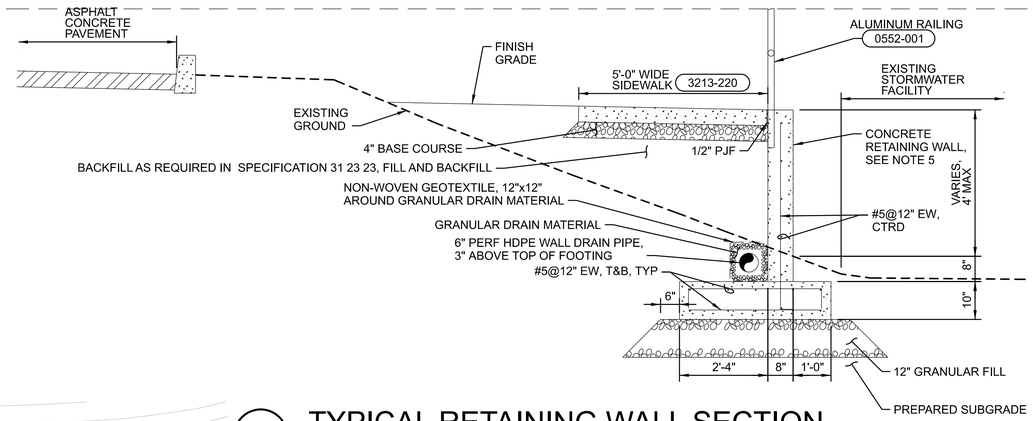
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-CE-101
SHEET	28 of 71

FILENAME: 05-CE-101_D3454455.dgn PLOT DATE: 3-FEB-2026 PLOT TIME: 08:11

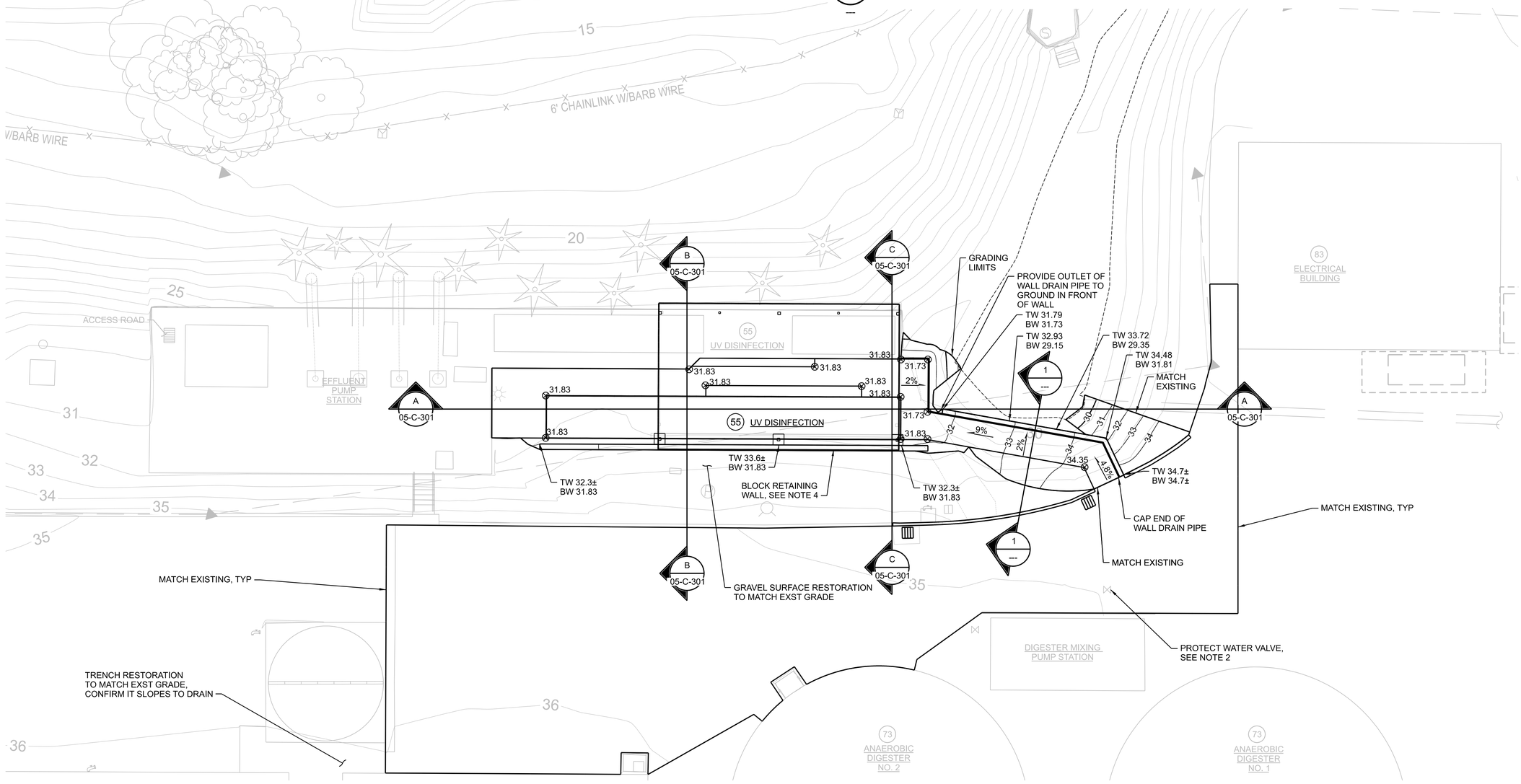


NOTES:

1. MATCH EXISTING AT GRADING LIMITS.
2. ADJUST SURFACE FEATURES WITHIN WORK AREA, INCLUDING BUT NOT LIMITED TO CLEANOUTS, MANHOLE RIMS, CATCH BASINS, VALVE BOXES AND HANDHOLES TO FINISH GRADE.
3. CONTRACTOR IS RESPONSIBLE FOR MEETING POST-CONSTRUCTION SOIL QUALITY AND DEPTH (BMP T5.13) PER 2021 CLARK COUNTY STORMWATER MANUAL FOR ALL DISTURBED AREAS.
4. ULTRABLOCK GRAVITY WALL OR APPROVED EQUAL DESIGNED BY OTHERS.
5. A SEPARATE BUILDING PERMIT IS REQUIRED FOR THE RETAINING WALL CONSTRUCTION. THE PERMIT IS REQUIRED PRIOR TO CONSTRUCTION OF THE WALL AND THE PERMIT MUST BE KEPT ON SITE.



1 TYPICAL RETAINING WALL SECTION
1/2"=1'-0"



NO.	DATE	DSGN	DR	REVISION	CHK	APVD	BY	APVD
		E BRUSSE	J PFEIFER		M BALDWIN		B FULLER	

DIGITALLY STAMPED: 2/10/2026
©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

SITE DEVELOPMENT
CIVIL
GRADING PLAN
AREA 101

ISSUED FOR CONSTRUCTION

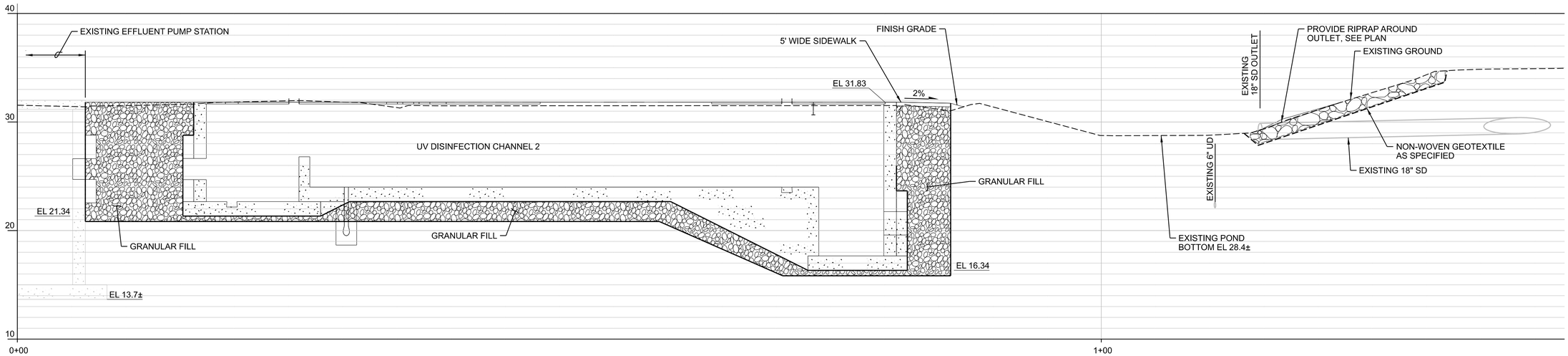
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-CG-101
SHEET	29 of 71

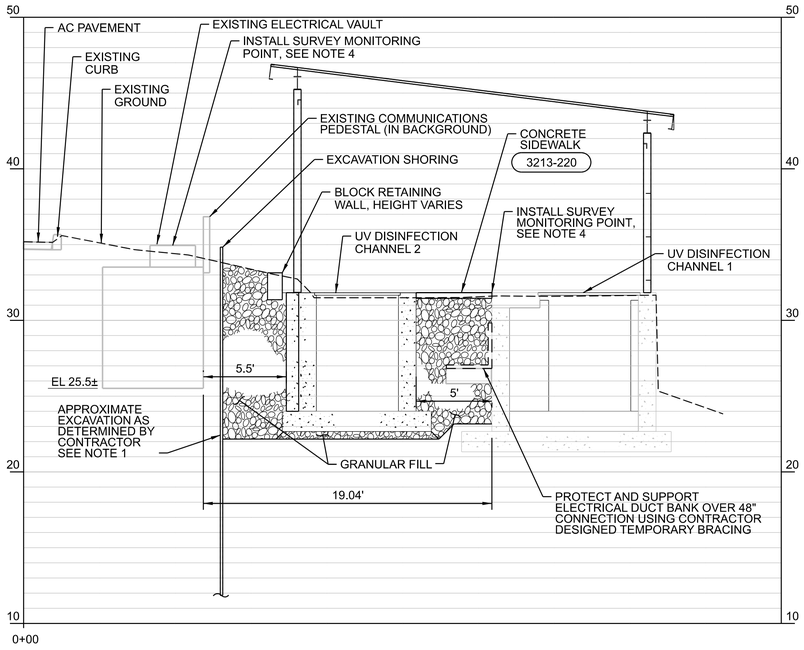
FILENAME: 05-CG-101_D3454455.dgn PLOT DATE: 02\02\2026 PLOT TIME: 1:26:06 PM

NOTES:

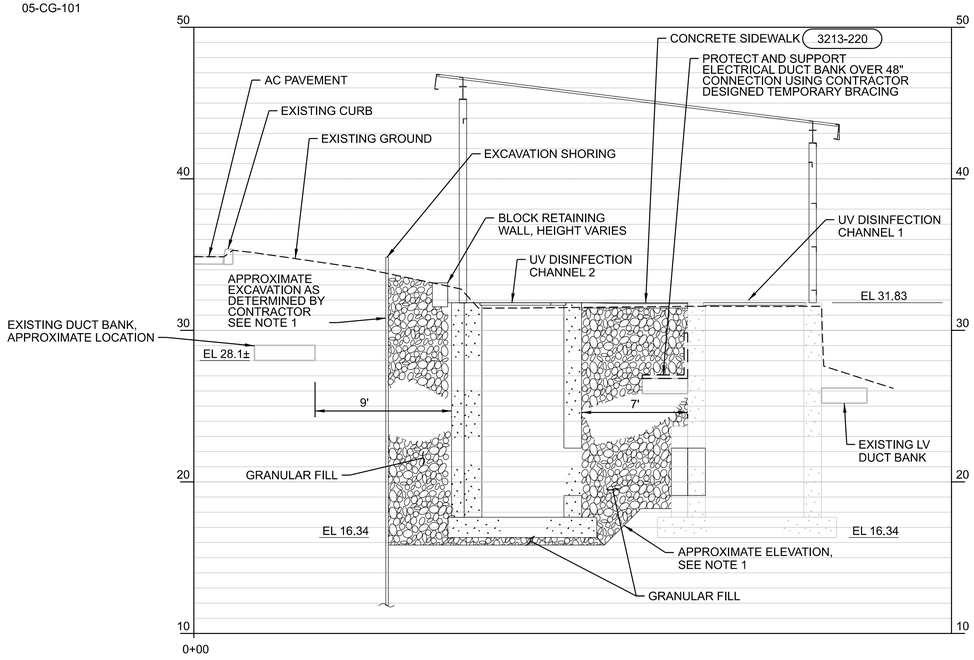
1. TEMPORARY SHORING AND SUPPORT SHOWN DOES NOT PRESCRIBE ANY SPECIFICALLY REQUIRED LOCATION, LENGTH, DEPTH OR TYPE. IT IS INTENDED TO SHOW IN THE ENGINEER'S OPINION, APPROXIMATE LOCATIONS WHERE SHORING MAY BE NEEDED TO PROTECT EXISTING UTILITIES, STRUCTURES, OR ACCESS ROADS. LOCATIONS SHOWN MAY NOT INCLUDE ALL LOCATIONS WHERE SHORING WILL BE NEEDED. IT IS EXPECTED THAT THE OTHER WORK AREAS WILL REQUIRE SHORING THAT ARE NOT CURRENTLY SHOWN DEPENDENT ON CONTRACTOR MEANS AND METHODS. CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING, MAINTAINING, MONITORING AND REMOVAL OF ALL TEMPORARY SHORING SYSTEMS. IF CONTRACTOR CANNOT REMOVE SHORING SYSTEM IN A MANNER THAT DOES NOT CAUSE SETTLEMENT OR DISTURBANCE TO GROUND SURFACE ADJACENT FACILITIES OR UTILITIES, SHORING SHALL REMAIN IN PLACE AND CUTOFF AT GROUND SURFACE. EXCAVATE SLOPES AND USE EXCAVATION SUPPORT SYSTEMS IN ORDER TO ACCOMPLISH THE WORK AND PROTECT EXISTING FACILITIES.
2. CONTRACTOR SHALL REMOVE, TRANSPORT AND DISPOSE OF 100% OF SPOILS OFF-SITE. ALL RELATED STATE AND FEDERAL LAWS AND BEST PRACTICES REGARDING THE MANAGEMENT OF CONTAMINATED SOILS SHALL BE ADHERED TO.
3. CONTRACTOR SHALL IMPORT GRANULAR FILL ONLY. COORDINATE WITH THE RESIDENT PROJECT REPRESENTATIVE FOR ANY DISCREPANCIES.
4. INSTALL SURVEY MONITORING POINT TO MONITOR MOVEMENT. SURVEY POINT TWICE DAILY DURING EXCAVATION, AND INSTALLATION AND REMOVAL OF SHORING SYSTEMS. SURVEY POINT WEEKLY AT ALL OTHER TIMES UNTIL BACKFILL IS COMPLETE



A SECTION
1"=5'
05-C-102
05-CG-101



B SECTION
1"=5'
05-C-102
05-CG-101



C SECTION
1"=5'
05-C-102
05-CG-101

JOHN BALDWIN
REGISTERED PROFESSIONAL ENGINEER
STATE OF WASHINGTON
DIGITALLY STAMPED 2/3/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		E BRUSSE	J PFEIFER	M BALDWIN	APVD	B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

SITE DEVELOPMENT
CIVIL
SITE SECTIONS

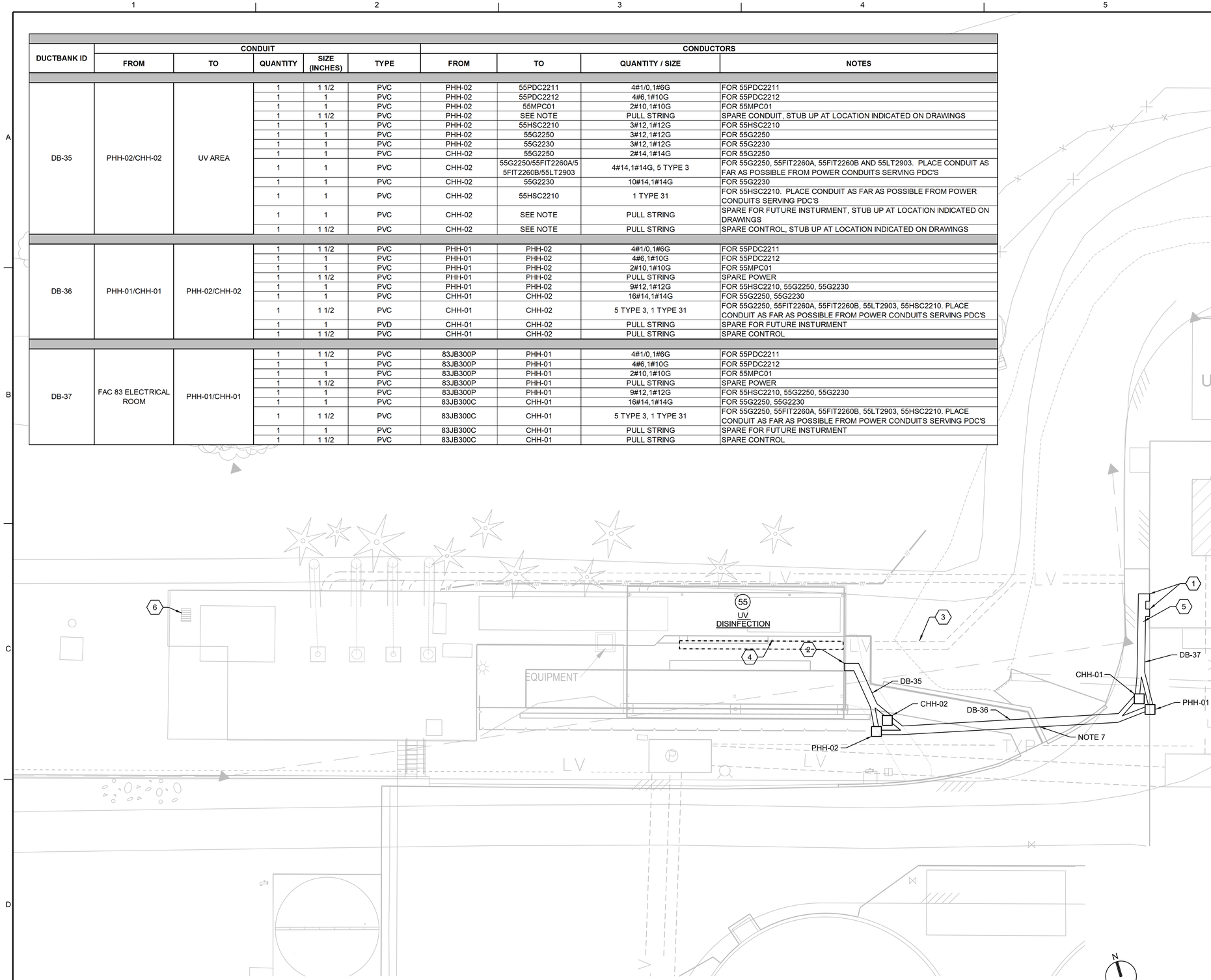
ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-C-301
SHEET	30 of 71

FILENAME: 05-C-301_D3454455.dgn PLOT DATE: 02\03\2026 PLOT TIME: 6:25:23 AM

DUCTBANK ID	CONDUIT					CONDUCTORS			
	FROM	TO	QUANTITY	SIZE (INCHES)	TYPE	FROM	TO	QUANTITY / SIZE	NOTES
DB-35	PHH-02/CHH-02	UV AREA	1	1 1/2	PVC	PHH-02	55PDC2211	4#1/0,1#6G	FOR 55PDC2211
			1	1	PVC	PHH-02	55PDC2212	4#6,1#10G	FOR 55PDC2212
			1	1	PVC	PHH-02	55MPC01	2#10,1#10G	FOR 55MPC01
			1	1 1/2	PVC	PHH-02	SEE NOTE	PULL STRING	SPARE CONDUIT, STUB UP AT LOCATION INDICATED ON DRAWINGS
			1	1	PVC	PHH-02	55HSC2210	3#12,1#12G	FOR 55HSC2210
			1	1	PVC	PHH-02	55G2250	3#12,1#12G	FOR 55G2250
			1	1	PVC	PHH-02	55G2230	3#12,1#12G	FOR 55G2230
			1	1	PVC	CHH-02	55G2250	2#14,1#14G	FOR 55G2250
			1	1	PVC	CHH-02	55G2250/55FIT2260A/5 5FIT2260B/55LT2903	4#14,1#14G, 5 TYPE 3	FOR 55G2250, 55FIT2260A, 55FIT2260B AND 55LT2903. PLACE CONDUIT AS FAR AS POSSIBLE FROM POWER CONDUITS SERVING PDC'S
			1	1	PVC	CHH-02	55G2230	10#14,1#14G	FOR 55G2230
			1	1	PVC	CHH-02	55HSC2210	1 TYPE 31	FOR 55HSC2210. PLACE CONDUIT AS FAR AS POSSIBLE FROM POWER CONDUITS SERVING PDC'S
			1	1	PVC	CHH-02	SEE NOTE	PULL STRING	SPARE FOR FUTURE INSTURMENT, STUB UP AT LOCATION INDICATED ON DRAWINGS
			1	1 1/2	PVC	CHH-02	SEE NOTE	PULL STRING	SPARE CONTROL, STUB UP AT LOCATION INDICATED ON DRAWINGS
DB-36	PHH-01/CHH-01	PHH-02/CHH-02	1	1 1/2	PVC	PHH-01	PHH-02	4#1/0,1#6G	FOR 55PDC2211
			1	1	PVC	PHH-01	PHH-02	4#6,1#10G	FOR 55PDC2212
			1	1	PVC	PHH-01	PHH-02	2#10,1#10G	FOR 55MPC01
			1	1 1/2	PVC	PHH-01	PHH-02	PULL STRING	SPARE POWER
			1	1	PVC	PHH-01	PHH-02	9#12,1#12G	FOR 55HSC2210, 55G2250, 55G2230
			1	1	PVC	CHH-01	CHH-02	16#14,1#14G	FOR 55G2250, 55G2230
			1	1 1/2	PVC	CHH-01	CHH-02	5 TYPE 3, 1 TYPE 31	FOR 55G2250, 55FIT2260A, 55FIT2260B, 55LT2903, 55HSC2210. PLACE CONDUIT AS FAR AS POSSIBLE FROM POWER CONDUITS SERVING PDC'S
			1	1	PVD	CHH-01	CHH-02	PULL STRING	SPARE FOR FUTURE INSTURMENT
			1	1 1/2	PVC	CHH-01	CHH-02	PULL STRING	SPARE CONTROL
DB-37	FAC 83 ELECTRICAL ROOM	PHH-01/CHH-01	1	1 1/2	PVC	83JB300P	PHH-01	4#1/0,1#6G	FOR 55PDC2211
			1	1	PVC	83JB300P	PHH-01	4#6,1#10G	FOR 55PDC2212
			1	1	PVC	83JB300P	PHH-01	2#10,1#10G	FOR 55MPC01
			1	1 1/2	PVC	83JB300P	PHH-01	PULL STRING	SPARE POWER
			1	1	PVC	83JB300P	PHH-01	9#12,1#12G	FOR 55HSC2210, 55G2250, 55G2230
			1	1	PVC	83JB300C	CHH-01	16#14,1#14G	FOR 55G2250, 55G2230
			1	1 1/2	PVC	83JB300C	CHH-01	5 TYPE 3, 1 TYPE 31	FOR 55G2250, 55FIT2260A, 55FIT2260B, 55LT2903, 55HSC2210. PLACE CONDUIT AS FAR AS POSSIBLE FROM POWER CONDUITS SERVING PDC'S
			1	1	PVC	83JB300C	CHH-01	PULL STRING	SPARE FOR FUTURE INSTURMENT
			1	1 1/2	PVC	83JB300C	CHH-01	PULL STRING	SPARE CONTROL



SHEET KEYNOTES

1. SEE SHEET 83-E-120 FOR CONDUIT ROUTE AND ENTRY INTO ELECTRICAL BUILDING.
2. DUCTBANK SHALL CONTINUE TO THE WEST, BETWEEN THE TWO UV CHANNELS. CONDUITS SHALL STUB UP ALONG NEW UV CHANNEL WALL BEFORE BEING SURFACE ROUTED TO FINAL DESTINATIONS.
3. PROTECT IN PLACE EXISTING DUCTBANK CONDUITS FOR CONTINUED OPERATION AND REUSE.
4. PROTECT CONDUITS IN THIS AREA DURING CONSTRUCTION OF NEW UV CHANNEL 2. ONCE THE EXISTING UV CHANNEL 1 IS DECOMMISSIONED, INTERCEPT EXISTING CONDUITS BELOW GRADE AND EXTEND TO NEW ENDPOINTS AS INDICATED ON SHEETS 55-E-120 AND 90-E-301. EXISTING CONDUITS NOT SCHEDULED FOR REUSE SHALL BE INTERCEPTED AND STUBBED UP ABOVE GRADE ALONG EXISTING CHANNEL WALL FOR FUTURE USE.
5. CONNECT DUCTBANK GROUND CONDUCTORS TO FACILITY 83 GROUND GRID AT GROUND RING EXPOSED BY DUCTBANK EXCAVATION, OR AT EXISTING GROUND ROD TEST PIT.
6. DETERMINATE EXISTING WIRING AT EXISTING ACTUATOR AND RETERMINATE WIRING ON REPLACEMENT ACTUATOR.
7. UNLESS AN ALTERNATIVE ROUTE IS DETERMINED IN THE FIELD, DUCTBANK SHALL BE ROUTED UNDER NEW RETAINING WALL AND ASSOCIATED FOOTING.

GENERAL SHEET NOTES

1. FOR MORE INFORMATION REGARDING CONDUIT SIZE AND ROUTING, SEE DUCTBANK SCHEDULE ON THIS SHEET AND CABLE BLOCK DIAGRAMS ON SHEET 90-E-301.
2. PROVIDE OLDCASTLE PRECAST ELECTRICAL VAULT TYPE 233-LA FOR ALL NEW HANDHOLES, OR APPROVED EQUAL. REFER TO DETAIL 2605-444.
3. FOR DIRECT BURIED DUCTBANK DETAIL, REFER TO DETAIL 2605-423.
4. DUCTBANK ROUTING AND HANDHOLE LOCATION MAY BE FIELD ADJUSTED TO SUIT SITE SPECIFIC CONDITIONS, IN COORDINATION WITH OWNER'S REPRESENTATIVE.

STEPHEN HARBERT RYAN WASHINGTON 25855 REGISTERED PROFESSIONAL ENGINEER
DIGITALLY STAMPED: 2/9/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	REVISION	DR	CHK	APVD	BY	APVD
		R HARBERT	A CZAPLA		M MACROSTIE			B FULLER

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

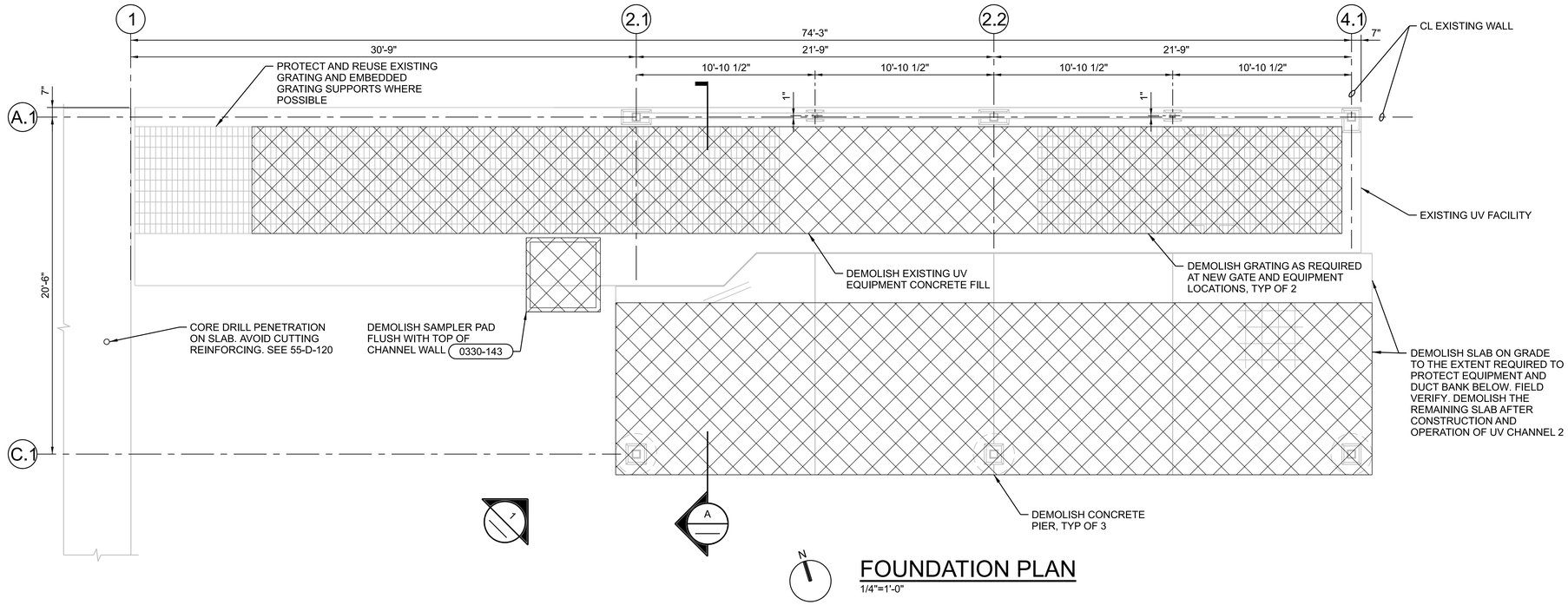
SITE DEVELOPMENT
ELECTRICAL SITE PLAN AREA 101

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	05-E-101
SHEET	31 of 71

ISSUED FOR CONSTRUCTION

FILENAME: 05-E-101_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:16



FOUNDATION PLAN
1/4"=1'-0"

REMOVE LIGHTING, RECEPTACLES, SWITCHES, AND ALL ASSOCIATED CONDUIT AND WIRE FROM THE CANOPY STRUCTURE. DEMOLISH UNDERGROUND CONDUIT AS NECESSARY FOR OTHER WORK AND EXCAVATIONS, AND REMOVE WIRING BACK TO THE SOURCE. REINSTALL LIGHTING, RECEPTACLES AND SWITCHES ONCE CANOPY WORK IS COMPLETE. RECONNECT CONDUIT AND INSTALL NEW WIRING FROM THE SOURCE

DISASSEMBLE, MODIFY, AND REINSTALL CANOPY. SEE STRUCTURAL DRAWINGS

DEMOLISH SAMPLER PAD FLUSH WITH TOP OF CHANNEL WALL 0330-143

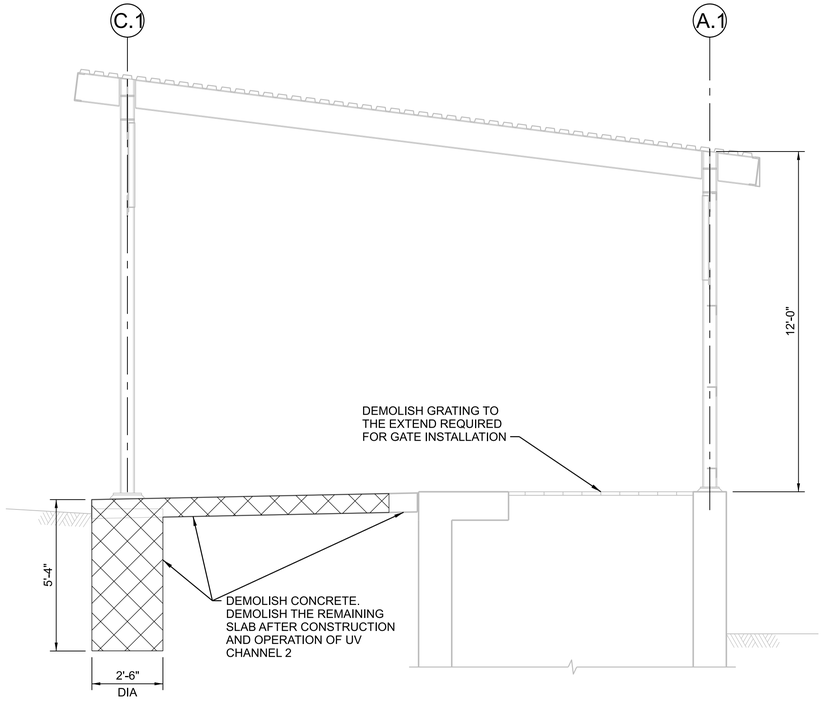
RELOCATE AND PROTECT EXISTING EFFLUENT SAMPLER TO OPERATE DURING CONSTRUCTION. COORDINATE PERMANENT LOCATION WITH PROCESS DRAWINGS

PROTECT EXISTING UV PANELS, CONDUIT AND DUCT BANK BELOW DURING CONSTRUCTION OF UV CHANNEL 2

DEMOLISH CONCRETE PAD AS REQUIRED. DEMOLISH THE REMAINING SLAB AFTER CONSTRUCTION AND OPERATION OF UV CHANNEL 2

RELOCATE STOP LOG RACK AS SHOWN ON 05-C-100

1 DETAIL
NTS



A SECTION
3/8"=1'-0"

NO.	DATE	REVISION	BY	APVD
DSGN	K MILAJ	DR A.GAWOR	CHK B BLASEN	APVD B FULLER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

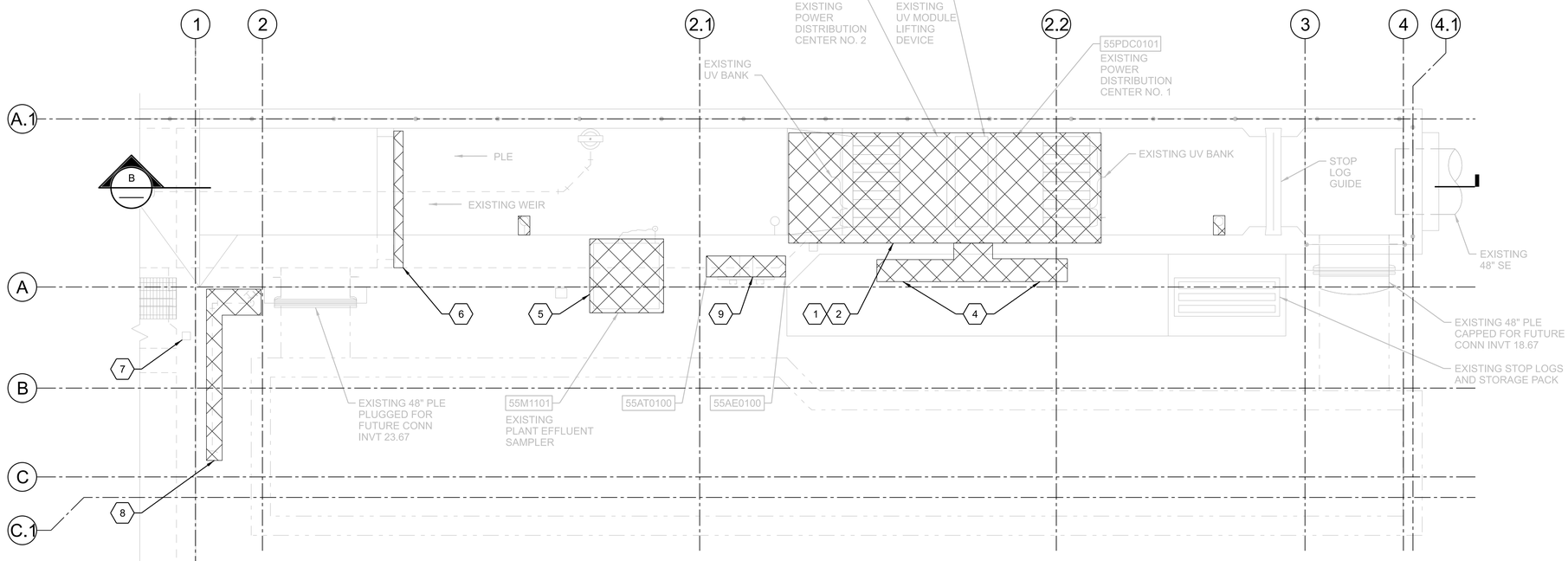
UV DISINFECTION
DEMOLITION PLANS, SECTION AND DETAIL

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

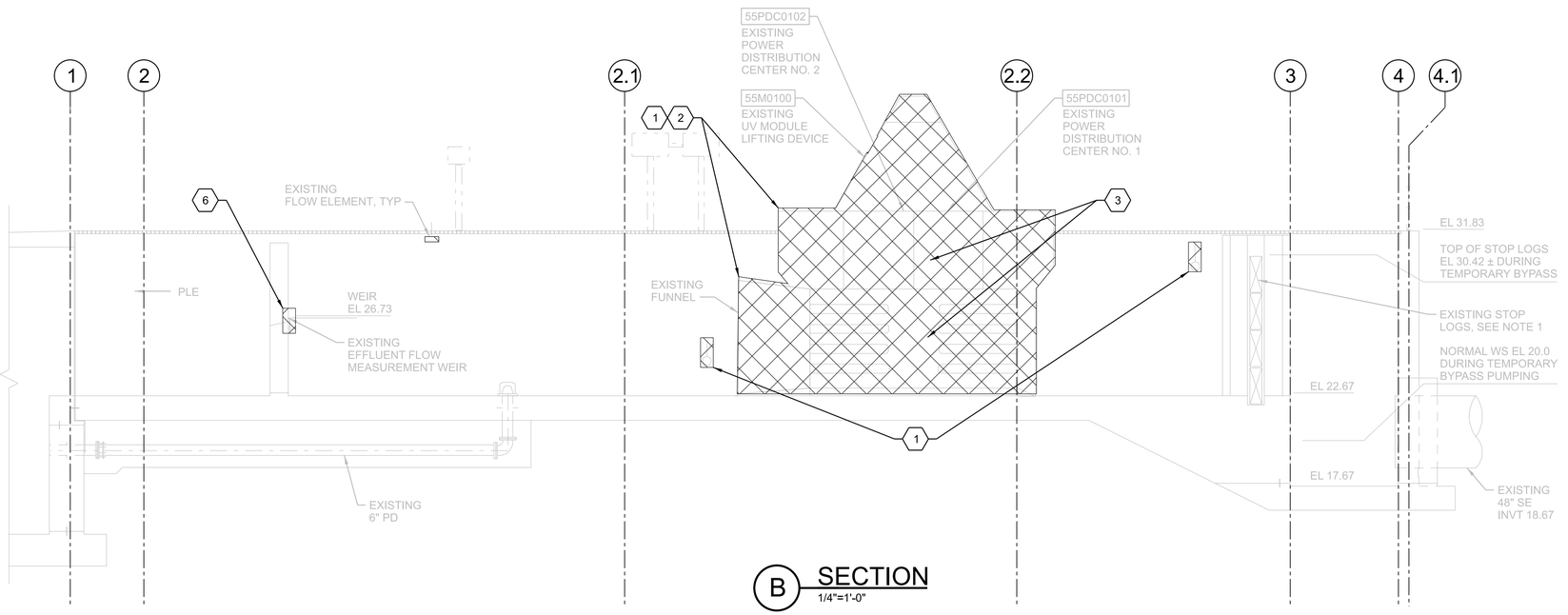
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-X-110
SHEET	32 of 71

FILENAME: 55-X-110_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:28



UPPER LEVEL PLAN

1/4"=1'-0"



SECTION

B

1/4"=1'-0"

SHEET KEYNOTES

1. FOLLOWING THE SUCCESSFUL COMMISSIONING OF UV EQUIPMENT IN CHANNEL 2, DEMOLISH ALL EXISTING IN-CHANNEL UV EQUIPMENT, INCLUDING UV MODULES, LIFTING DEVICES, EXIT FUNNEL, POWER DISTRIBUTION CENTERS, HYDRAULIC CONTROL CENTERS, EXPOSED CONDUIT AND INSTRUMENTATION.
2. WHILE DEMOLISHING EXISTING UV SYSTEMS, AVOID DISRUPTING PLANT-WIDE NETWORK AND ADJACENT UV SYSTEM.
3. DEMOLISH CONCRETE FILL AND REPAIR CONCRETE SURFACES AS SPECIFIED. COORDINATE WITH TROJAN ON THE DEMOLITION OF THE EXISTING UV SYSTEM.
4. REMOVE EXISTING CONDUCTORS BETWEEN DISCONNECT AND POWER DISTRIBUTION CENTERS. CAP CONDUITS AT GRADE.
5. COORDINATE WITH OWNER TO RELOCATE EXISTING EFFLUENT SAMPLER TO LOCATION OUTSIDE OF CONSTRUCTION AREA. MAINTAIN POWER AND FLOW PACING SIGNAL AT ALL TIMES DURING CONSTRUCTION.
6. REMOVE EXISTING WEIR PLATE.
7. PROTECT LIGHT POLE AND FOUNDATION FOR FUTURE USE. BURIED CONDUITS AND WIRING TO THE LIGHT POLE SHALL BE DEMOLISHED AND REPLACED TO FULL FUNCTIONALITY IN THE EVENT THAT THE EXCAVATION WORK IMPACTS THESE EXISTING ELEMENTS.
8. REMOVE EXISTING YARD HYDRANT, VALVE BOX, PIPING AND HOSE RACK OUTSIDE OF EXCAVATION FOOTPRINT. FOLLOWING SUCCESSFUL COMMISSIONING OF EQUIPMENT IN CHANNEL 2, REINSTALL IN SIMILAR LOCATION.
9. FOLLOWING SUCCESSFUL COMMISSIONING OF EQUIPMENT IN CHANNEL 2, DEMOLISH TRANSMITTER SUPPORTS, CABLE, ENCLOSURES, AND CAP CONDUIT TO GRADE. RELOCATE PH AND TEMPERATURE TRANSMITTER AND PROBE AS SHOWN ON 55-D-120.

CHRISTOPHER STEPHEN COTTON
STATE OF WASHINGTON
25005888
REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		C COTTON	J SETNIK	J CHANG		B FULLER	

REVISION

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

UV DISINFECTION

DEMOLITION PROCESS PLAN AND SECTION

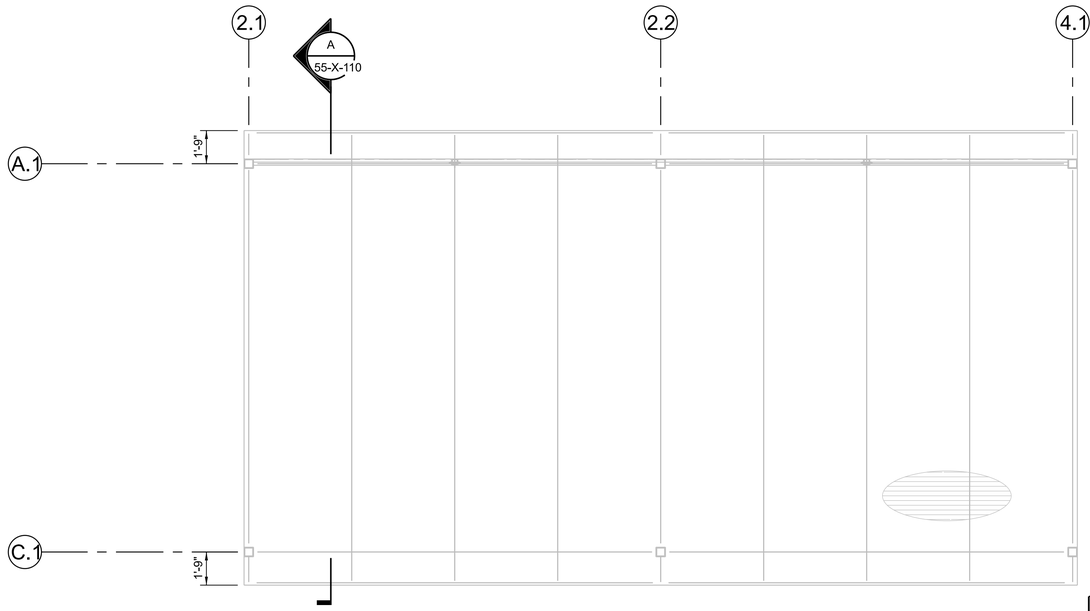
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

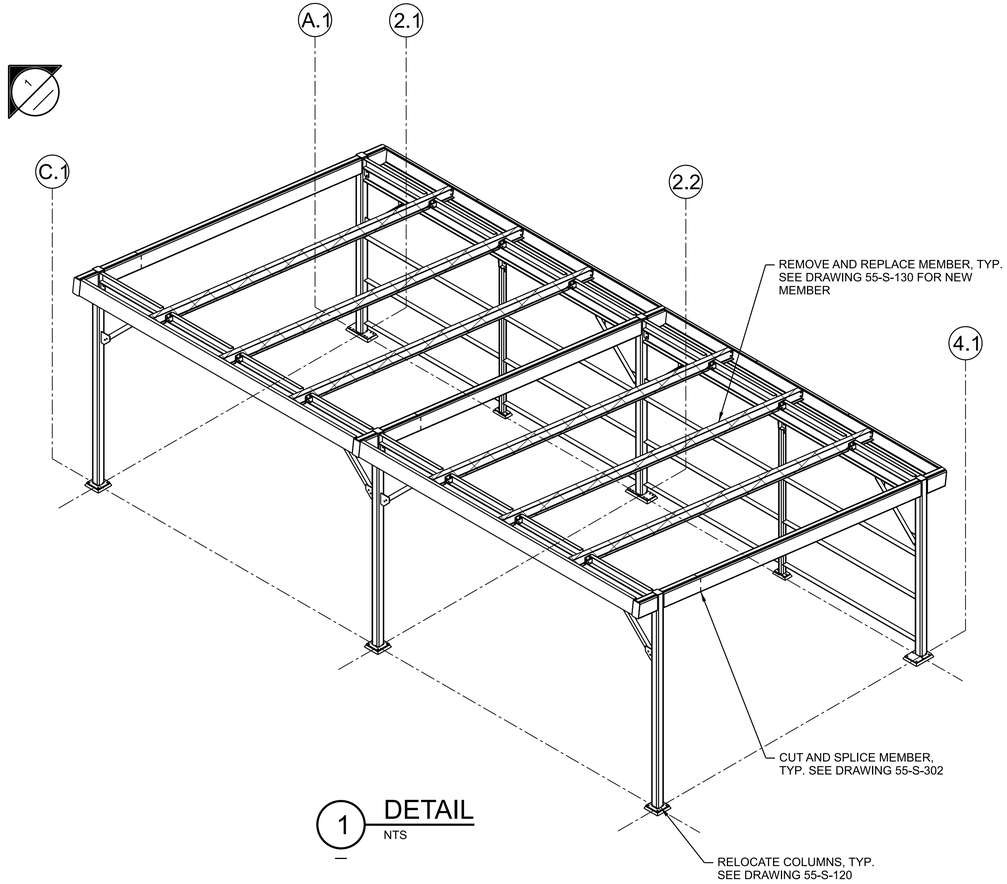
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-X-120
SHEET	33 of 71

FILENAME: 55-X-120_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 07:41



ROOF FRAMING PLAN

1/4"=1'-0"



1 DETAIL

NTS

GENERAL SHEET NOTES

1. REUSE MEMBERS AND CONNECTIONS EXCEPT AS NOTED OTHERWISE.
2. DO NOT REUSE BOLTS.
3. REMOVE AND REPLACE METAL ROOFING.
4. REMOVE AND REPLACE METAL DECK.
5. REMOVE AND REPLACE WALL PANELS.
6. BLAST CLEAN AND COAT ALL STEEL COMPONENTS PER SPECIFICATION SECTION 09 90 00, SYSTEM NO. 5.

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 19215 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

NO.	DATE	REVISION	BY	APVD
DSGN	K MILAJ	DR A.GAWOR / CHK B.BLASEN	B FULLER	APVD

©JACOBS 2026. ALL RIGHTS RESERVED.

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

UV DISINFECTION

DEMOLITION ROOF FRAMING PLAN AND DETAIL

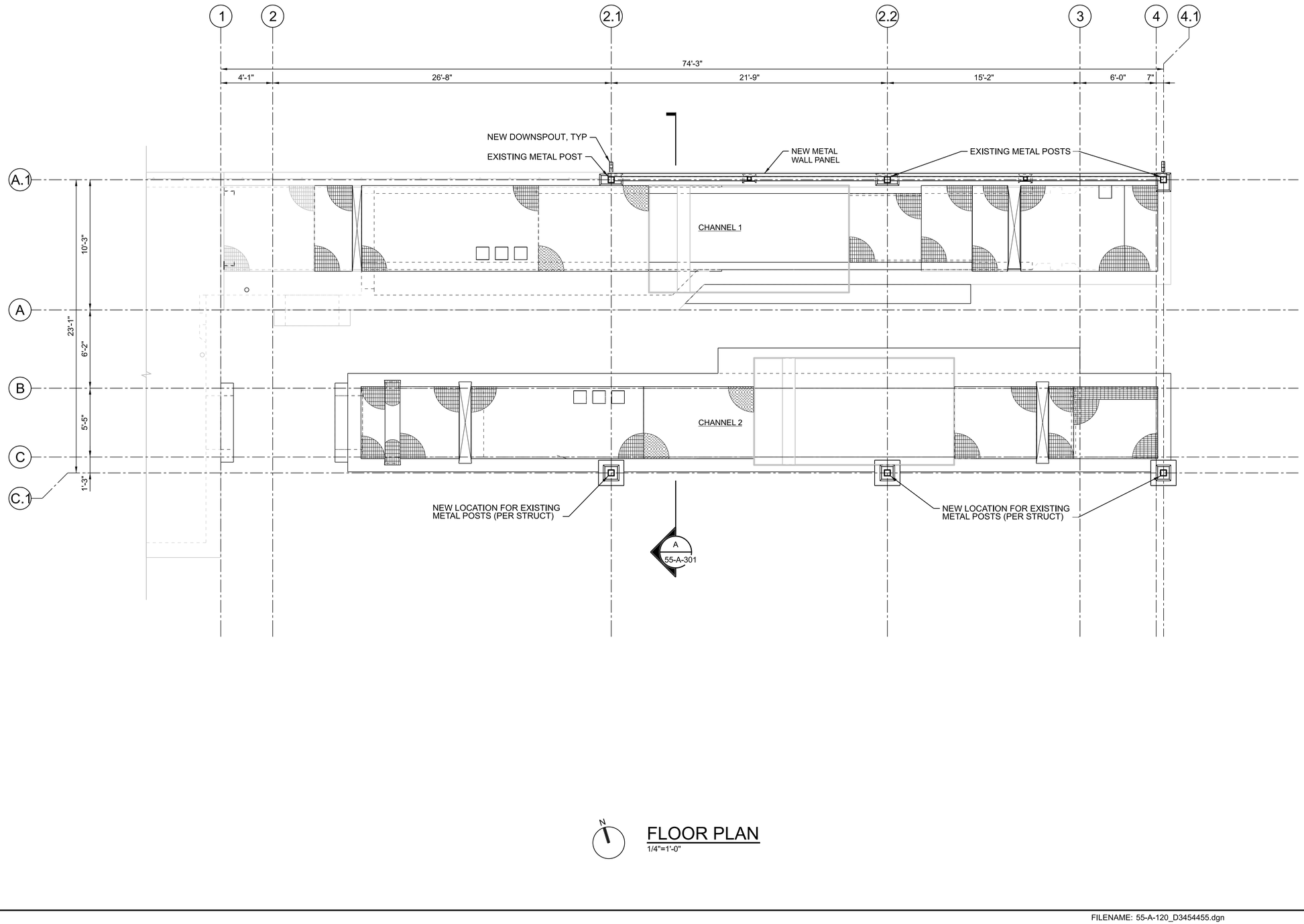
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-X-130
SHEET	34 of 71

FILENAME: 55-X-130_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:28



N

FLOOR PLAN

1/4"=1'-0"

REGISTERED ARCHITECT
10974
MATTHEW KIRKPATRICK
STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN	M KIRKPATRICK		A.GAWOR	B.BLASEN		B FULLER	

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

UV DISINFECTION
ARCHITECTURAL
FLOOR PLAN

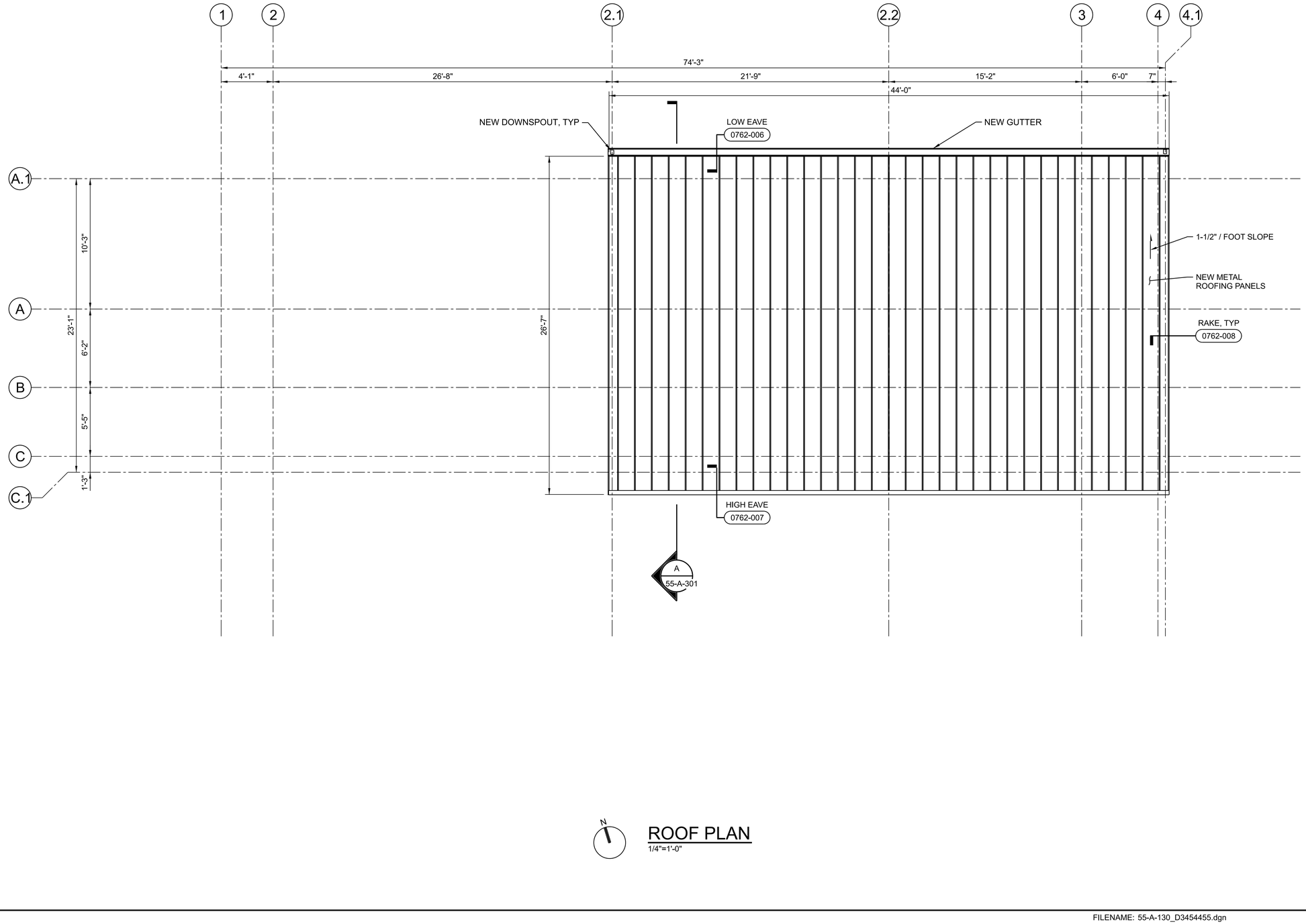
VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-A-120
SHEET	35 of 71

ISSUED FOR CONSTRUCTION

FILENAME: 55-A-120_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:30



N

ROOF PLAN

1/4"=1'-0"

REGISTERED ARCHITECT
10974
MATTHEW KIRKPATRICK
STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN	M KIRKPATRICK	A.GAWOR		B BLASEN		B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

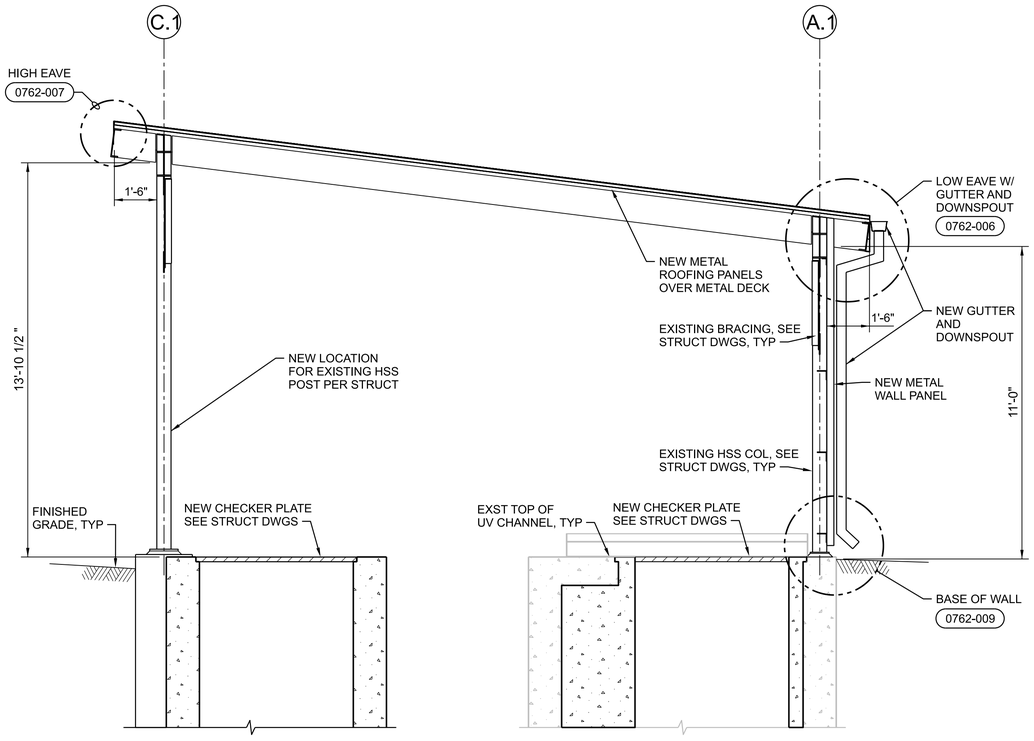
UV DISINFECTION
ARCHITECTURAL
ROOF PLAN

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-A-130
SHEET	36 of 71



A SECTION
3/8"=1'-0"

55-A-120
55-A-130

EXTERIOR FINISH SCHEDULE

NOTES:
1. NUMBERS IN FINISH COLUMN REFER TO PAINT SYSTEMS IN SPECIFICATION SECTION 09 90 00.

ITEM / MATERIAL	FINISH	COLOR
METAL ROOF PANELS	FACTORY	M-1
SHEET METAL TRIM, GUTTER AND DOWNSPOUTS	FACTORY	M-2
STEEL FRAMING (COLUMNS, ROOF FRAMING, METAL DECK)	PS-5	P-1

COLOR LIST

NOTES:
1 COLOR SELECTIONS FOR THIS PROJECT MAY BE NOTED IN EXTERIOR FINISH SCHEDULE, PIPING SCHEDULE AND ON THE DRAWINGS BY THE LETTER-NUMBER COMBINATION IN THE MARK COLUMN OF THIS LIST.
2 SOME COLOR SELECTIONS MAY BE MADE IN VARIOUS SPECIFICATION SECTIONS.
3 USE ONLY THE COLORS NOTED OR SCHEDULED. IF A COLOR SELECTION IS NOT MADE, REQUEST ONE FROM THE ENGINEER.

MARK	MATERIAL	MANUFACTURER	COLOR
MISCELLANEOUS			
M-1	METAL ROOF PANELS	CENTRIA	974 TEAL BLUE
M-2	SHEET METAL TRIM, GUTTER AND DOWNSPOUTS	CENTRIA	974 TEAL BLUE
M-3	METAL WALL PANELS	CENTRIA	998 DOVE GRAY
PAINT			
P-1	PAINT	SHERWIN-WILLIAMS	SW 7071 GRAY SCREEN

GENERAL SHEET NOTES

1. FOR GENERAL ARCHITECTURAL NOTES, MATERIAL SYMBOLS, LEGEND AND WALL TYPES, SEE DRAWING 01-G-013.

REGISTERED ARCHITECT
10974
MATTHEW KIRKPATRICK
STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DATE	DSGN	DR	CHK	APVD
		M KIRKPATRICK	A GAWOR	B BLASEN	B FULLER

REVISION

BY	APVD

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

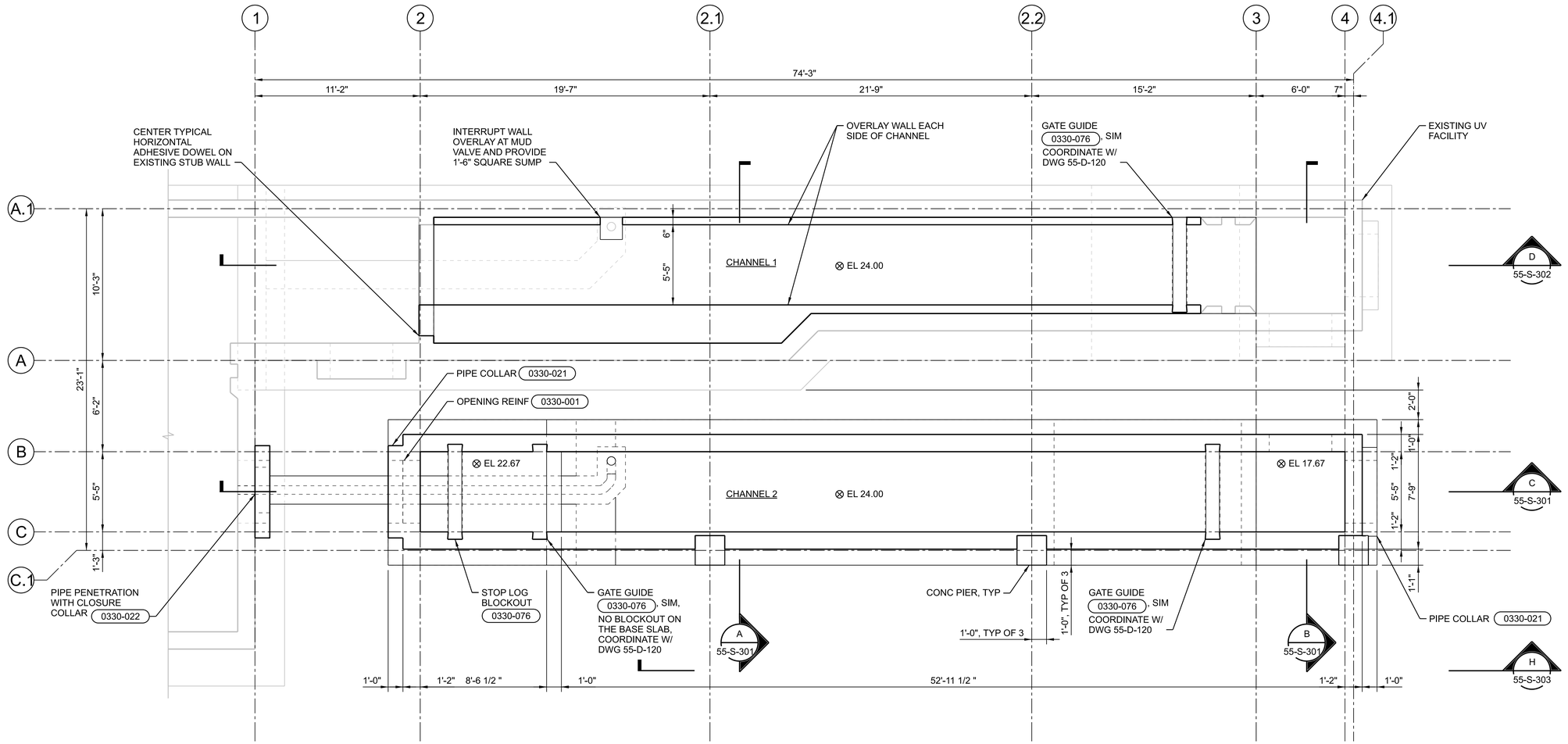
UV DISINFECTION
ARCHITECTURAL
SECTION

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-A-301
SHEET	37 of 71

FILENAME: 55-A-301_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:30



N

FOUNDATION PLAN

1/4"=1'-0"

GENERAL SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.

NO.	DATE	REVISION	CHK	APVD	BY	APVD
DSGN	K MILAJ	A.GAWOR	DR	B BLASEN		B FULLER

DIGITALLY STAMPED 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

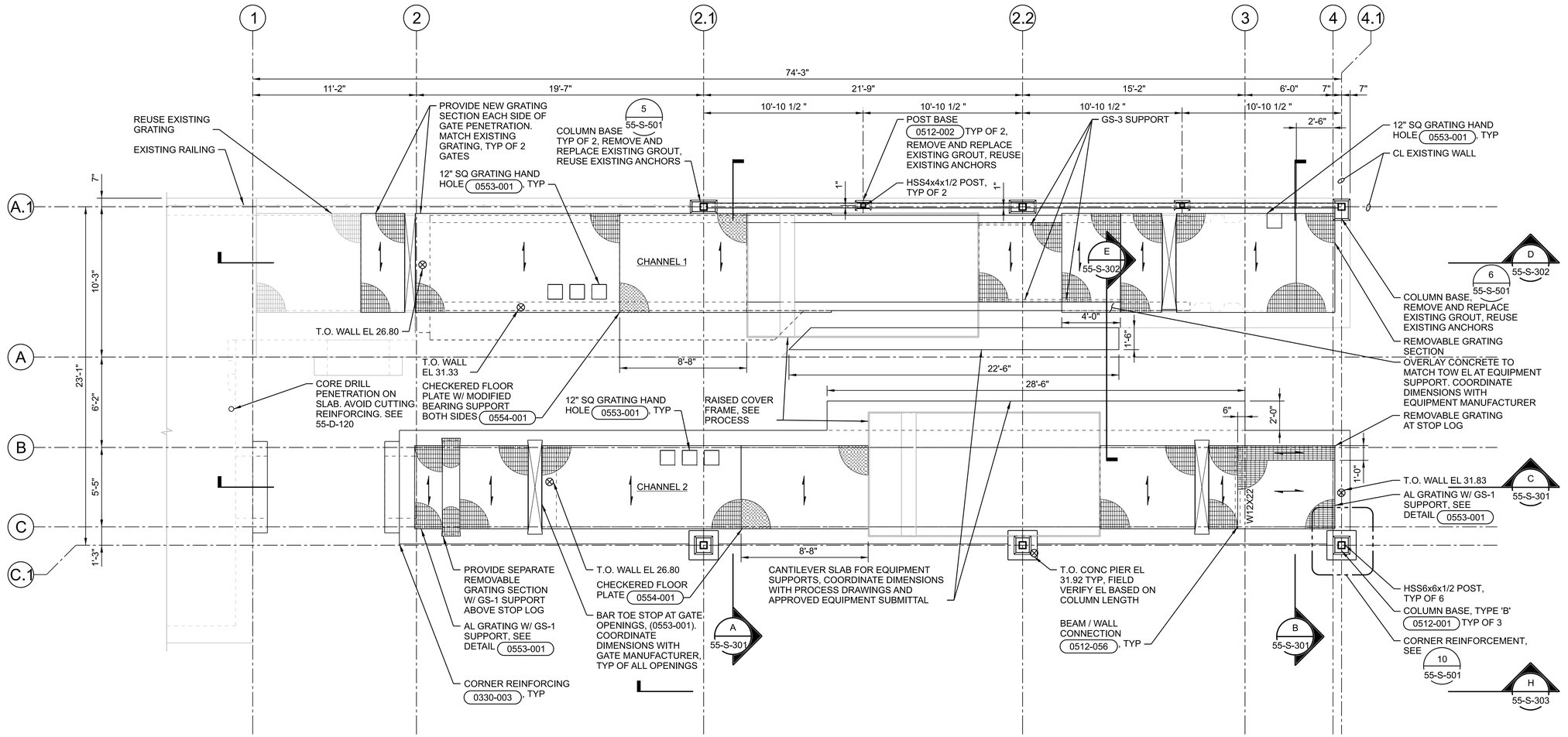
UV DISINFECTION
STRUCTURAL
FOUNDATION PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-S-110
SHEET	38 of 71

ISSUED FOR CONSTRUCTION

FILENAME: 55-S-110_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:28



N

GROUND LEVEL PLAN

1/4"=1'-0"

GENERAL SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.
2. COORDINATE COVER WITH EQUIPMENT MANUFACTURER APPROVED SHOP DRAWINGS AND ANCHORAGE AND BRACING CALCULATIONS AS WELL AS EXISTING CONDITIONS.

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-S-120
SHEET	39 of 71

NO.	DATE	DR	CHK	APVD
DSGN	K MILAJ	A.GAWOR	B BLASEN	B FULLER

REVISION

BY APVD

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 23 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

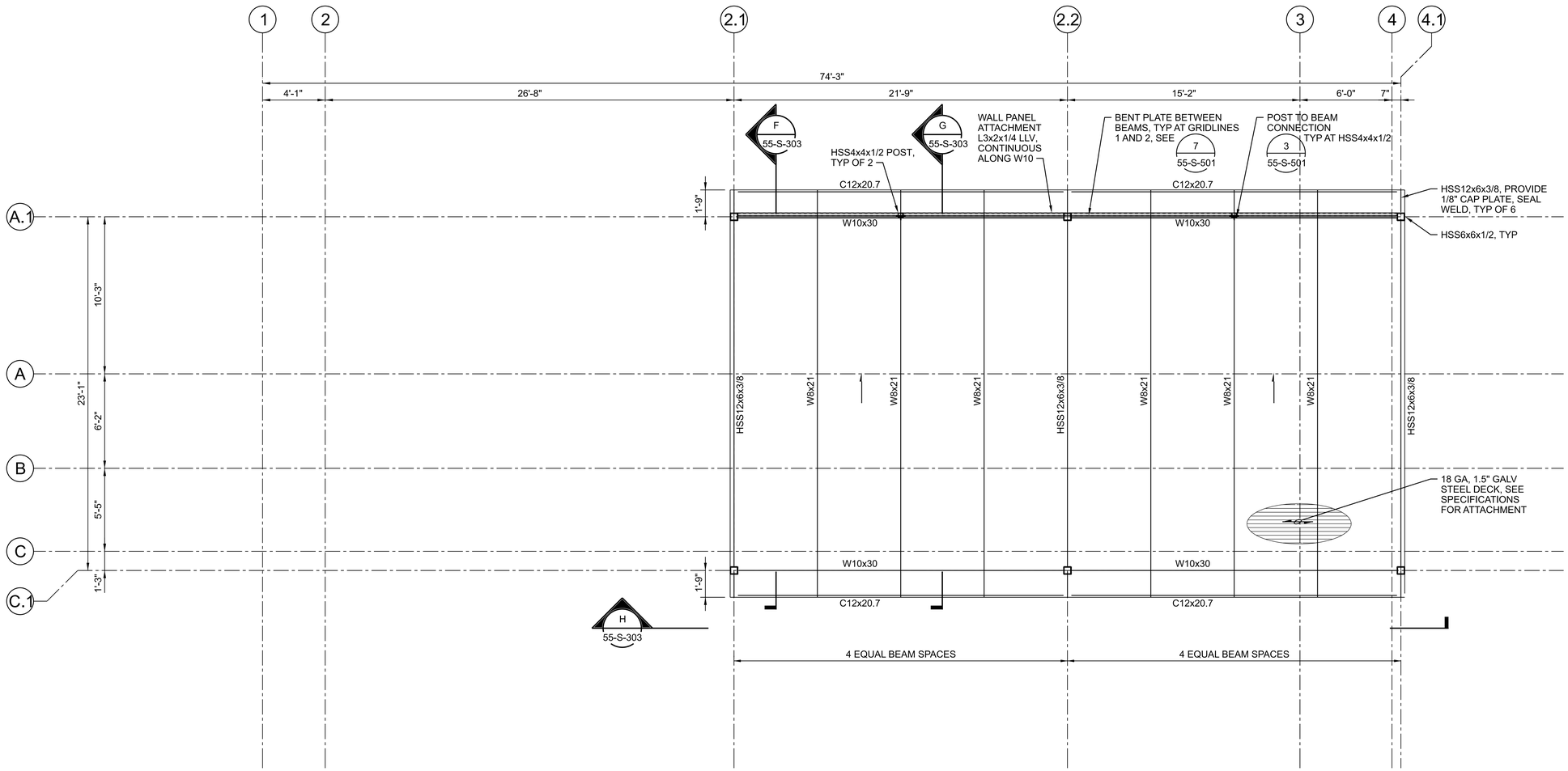
SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

UV DISINFECTION
STRUCTURAL
GROUND LEVEL PLAN

ISSUED FOR CONSTRUCTION

FILENAME: 55-S-120_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:28



N

ROOF FRAMING PLAN

1/4"=1'-0"

GENERAL SHEET NOTES

1. FOR STRUCTURAL GENERAL NOTES SEE DRAWINGS 01-G-007 AND 01-G-008.
2. SEISMIC DESIGN DATA:
   - A. MAIN LATERAL FORCE RESISTING SYSTEM: STEEL ORDINARY MOMENT FRAME
   - B. RESPONSE MODIFICATION COEFFICIENT, R: 3 1/2
   - C. RESPONSE COEFFICIENT, Cs: 0.25
   - D. BASE SHEAR: 6 KIPS
3. BLAST CLEAN AND COAT ALL STEEL COMPONENTS PER SPECIFICATION SECTION 09 90 00, SYSTEM NO.5.

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25826 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		K MILAJ	A.GAWOR	B.BLASEN	APVD	B FULLER	

©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

UV DISINFECTION

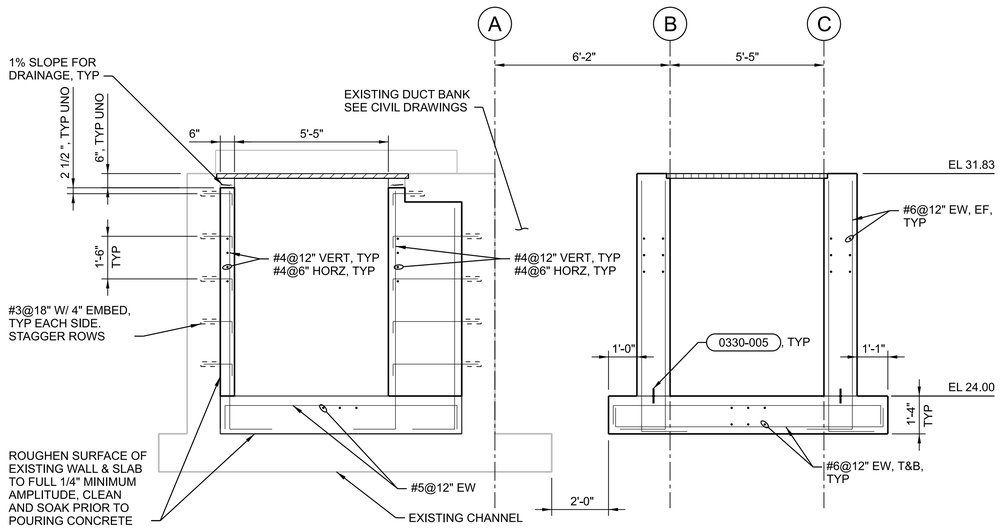
STRUCTURAL
ROOF FRAMING PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

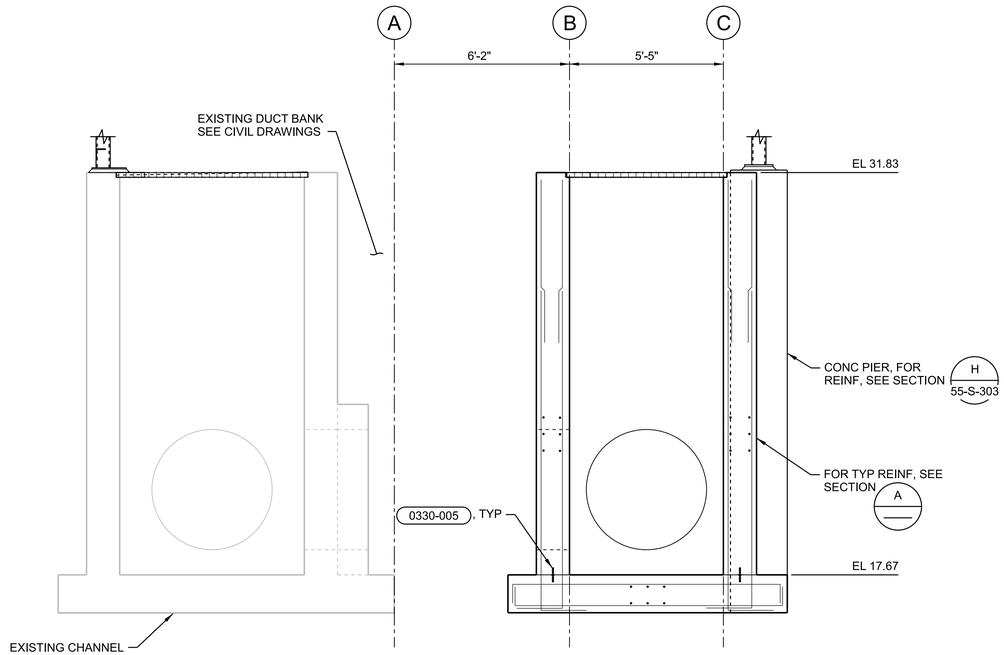
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-S-130
SHEET	40 of 71

ISSUED FOR CONSTRUCTION

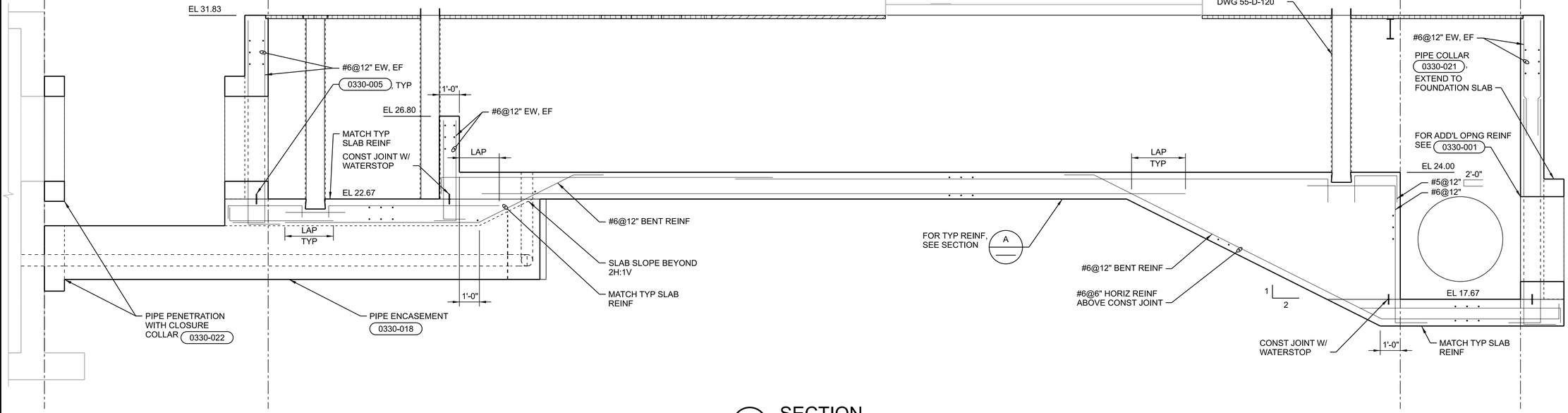
FILENAME: 55-S-130_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:28



A SECTION
3/8"=1'-0"
55-S-110
55-S-120
55-S-302



B SECTION
3/8"=1'-0"
55-S-110
55-S-120



C SECTION
3/8"=1'-0"
55-S-110
55-S-120

NO.	DATE	DR	REVISION	CHK	APVD	BY
DSGN	K MILAJ	A GAWOR		B BLASEN	APVD	B FULLER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

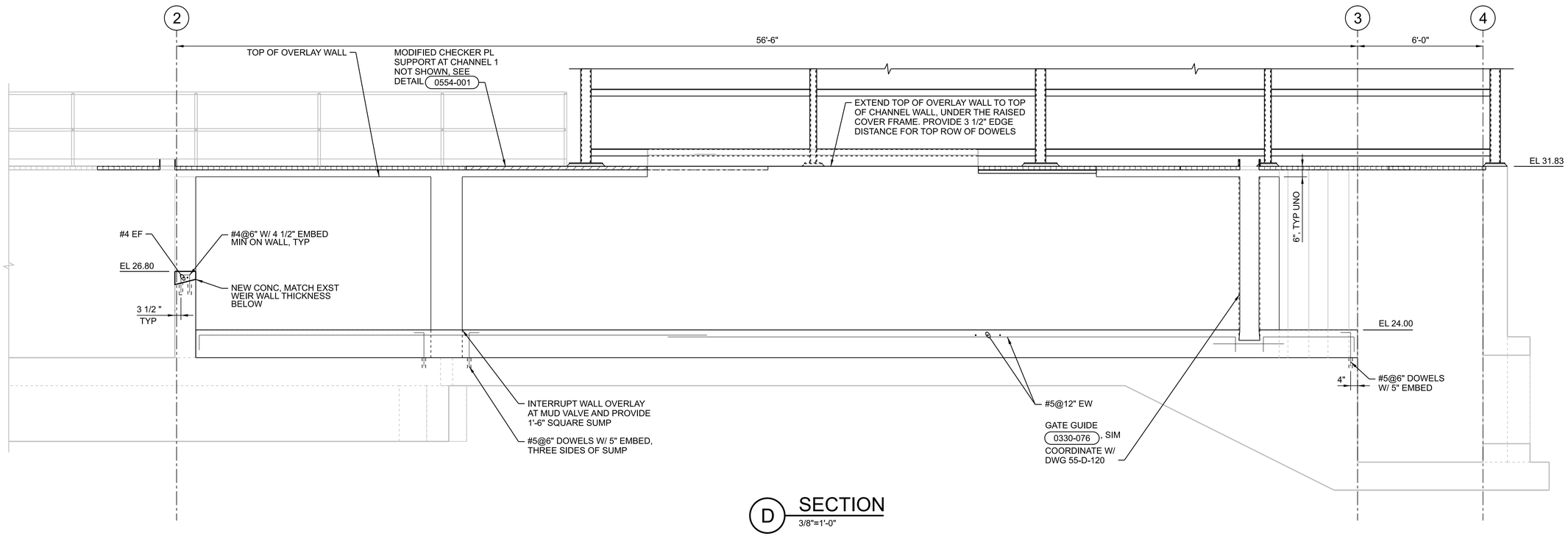
Jacobs

UV DISINFECTION
STRUCTURAL SECTIONS

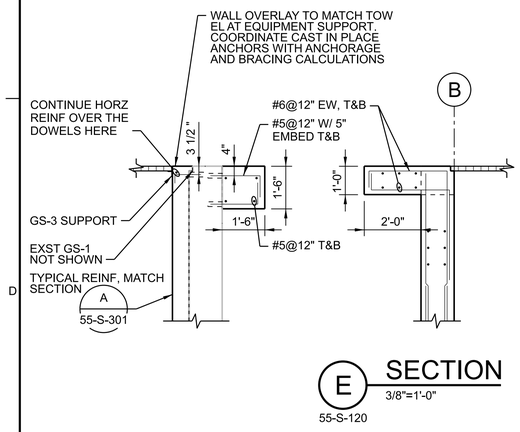
ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-S-301
SHEET	41 of 71



D SECTION
3/8"=1'-0"
55-S-110
55-S-120



E SECTION
3/8"=1'-0"
55-S-120

BENJAMIN MICHAEL BLASEN
STATE OF WASHINGTON
25515
REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DATE	DR	CHK	APVD	BY	APVD
DSGN	K MILAJ	A.GAWOR	B BLASEN		B FULLER	

REVISION

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

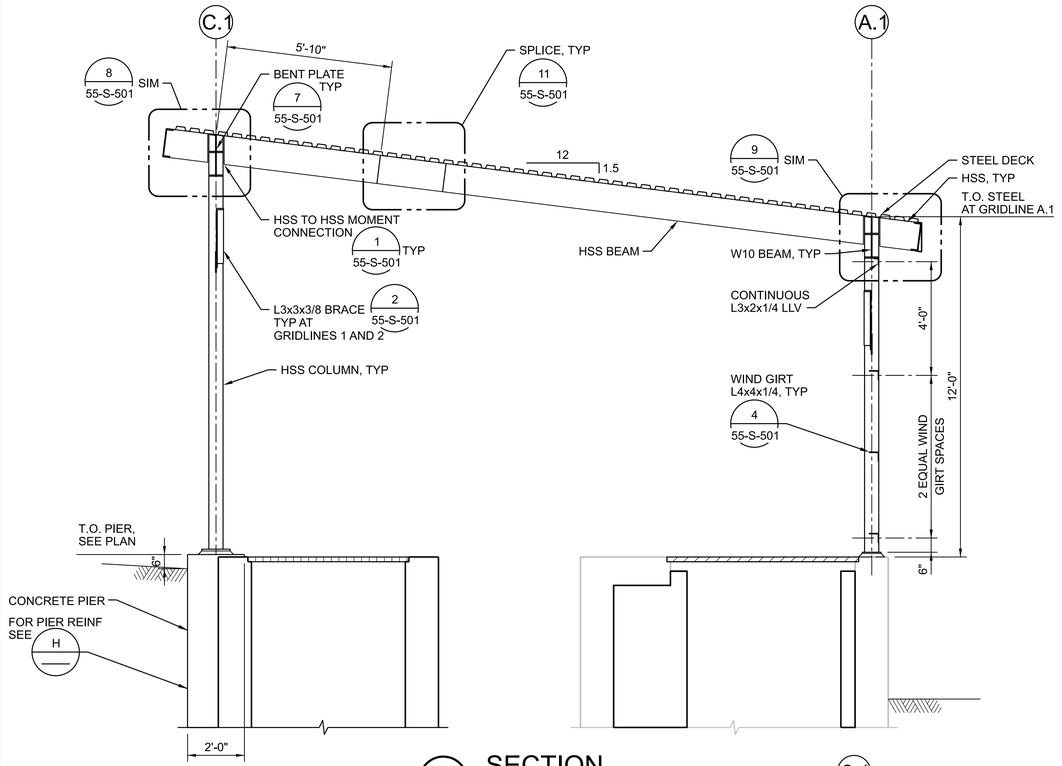
UV DISINFECTION
STRUCTURAL SECTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

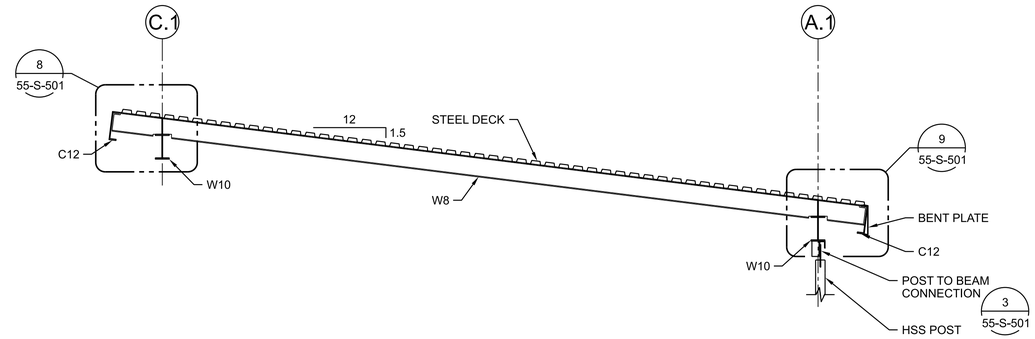
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-S-302
SHEET	42 of 71

ISSUED FOR CONSTRUCTION

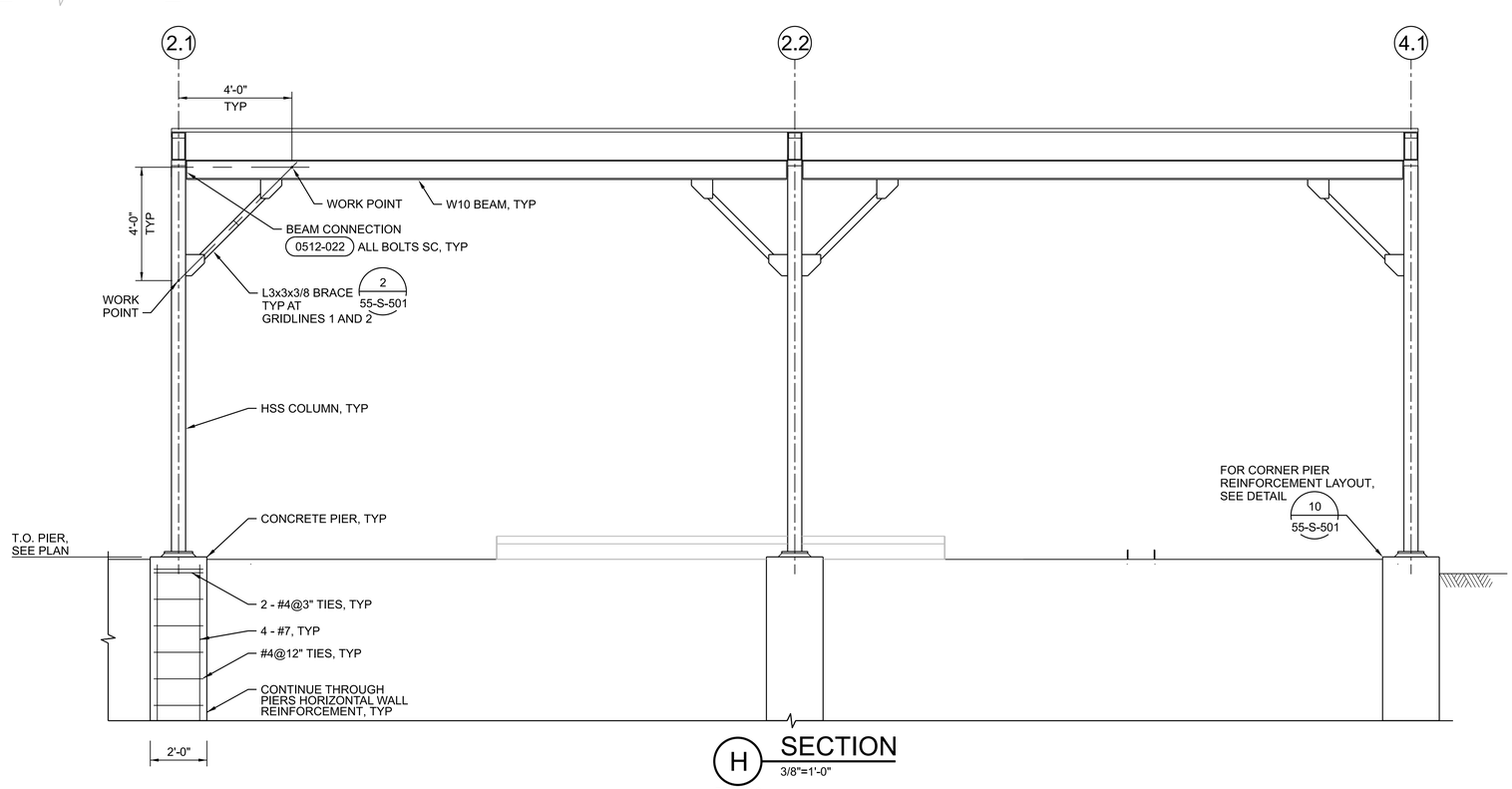
FILENAME: 55-S-302_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:28



F SECTION
3/8"=1'-0"
55-S-130



G SECTION
3/8"=1'-0"
55-S-130



H SECTION
3/8"=1'-0"
55-S-110
55-S-120
55-S-130

BENJAMIN MICHAEL BLASEN
STATE OF WASHINGTON
25535
REGISTERED PROFESSIONAL ENGINEER
DIGITALLY STAMPED: 02/09/2026
©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD
REVISION		K MILAJ	A.GAWOR	B BLASEN	B FULLER
BY					
APVD					

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

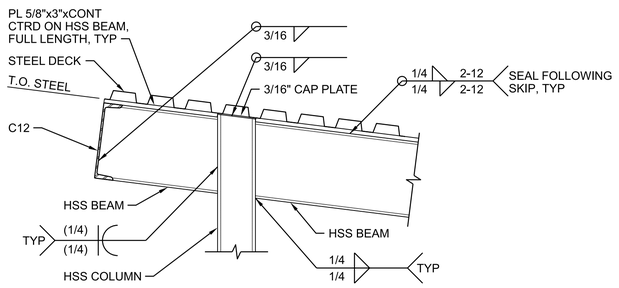
Jacobs

UV DISINFECTION
STRUCTURAL CANOPY SECTIONS

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

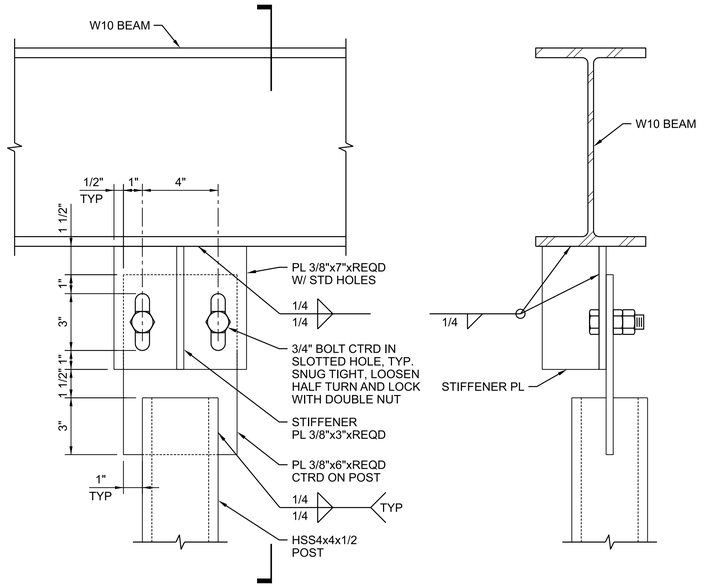
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-S-303
SHEET	43 of 71



1 MOMENT CONNECTION DETAIL

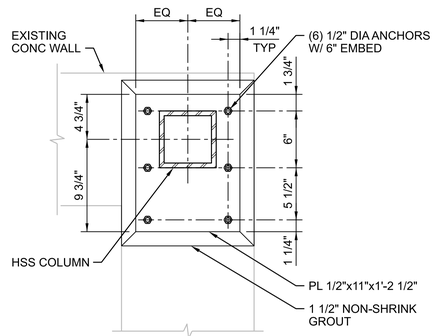
1"=1'-0"

55-S-301



ELEVATION

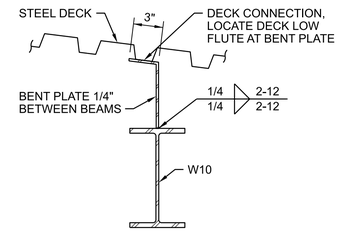
SECTION



6 COLUMN BASE DETAIL

1 1/2"=1'-0"

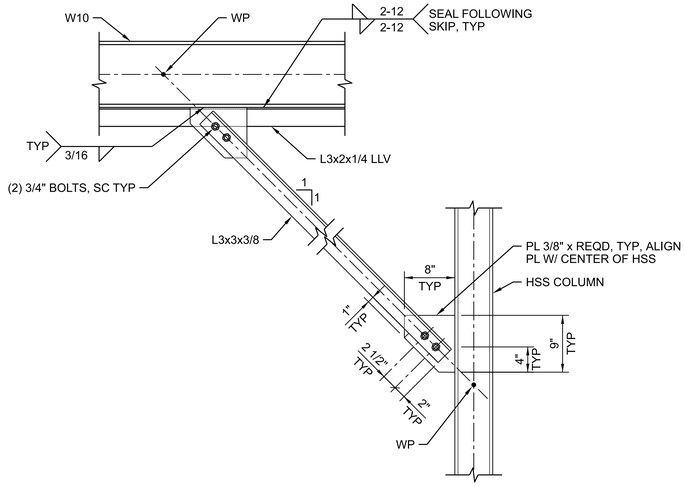
55-S-120



7 BENT PLATE BETWEEN BEAMS

1 1/2"=1'-0"

55-S-130
55-S-301



2 KNEE BRACE DETAIL

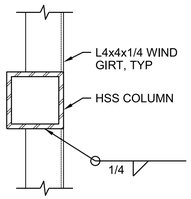
1"=1'-0"

55-S-301

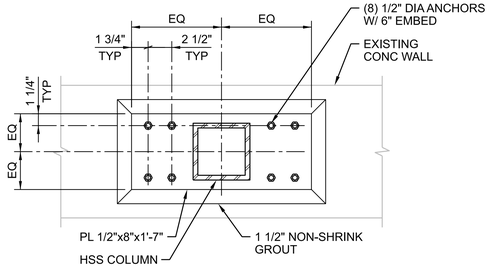
3 POST TO BEAM CONNECTION DETAIL

3"=1'-0"

55-S-130
55-S-301



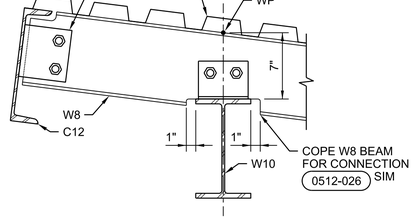
PLAN



5 COLUMN BASE DETAIL

1 1/2"=1'-0"

55-S-120

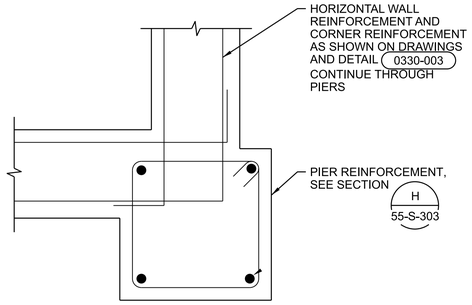


NOTE:
BENT PLATE ON TOP OF W10
BEAM NOT SHOWN FOR CLARITY.

8 CONNECTION DETAIL

1 1/2"=1'-0"

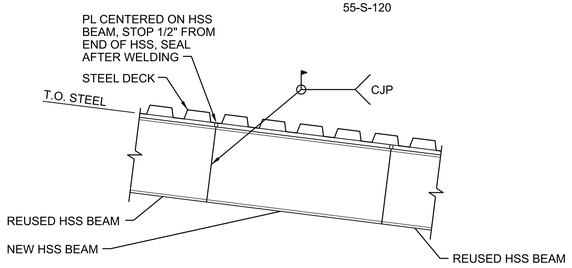
55-S-301



4 WIND GIRT TO COLUMN CONNECTION DETAIL

1 1/2"=1'-0"

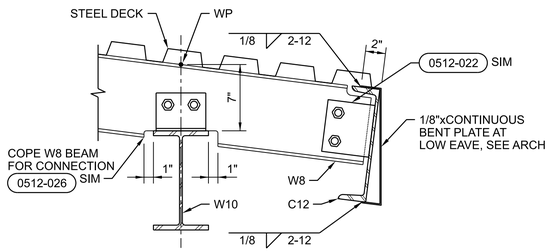
55-S-301



11 BEAM SPLICE DETAIL

1"=1'-0"

55-S-302



NOTE:
BENT PLATE ON TOP OF W10
BEAM NOT SHOWN FOR CLARITY.

9 CONNECTION DETAIL

1 1/2"=1'-0"

55-S-301

10 CORNER PIER DETAIL

1"=1'-0"

55-S-120
55-S-303

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25015 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	REVISION	CHK	APVD
DSGN	K MILAJ	DR	A GAWOR	B BLASEN	APVD	B FULLER	BY

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

UV DISINFECTION
STRUCTURAL DETAILS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-S-501
SHEET	44 of 71

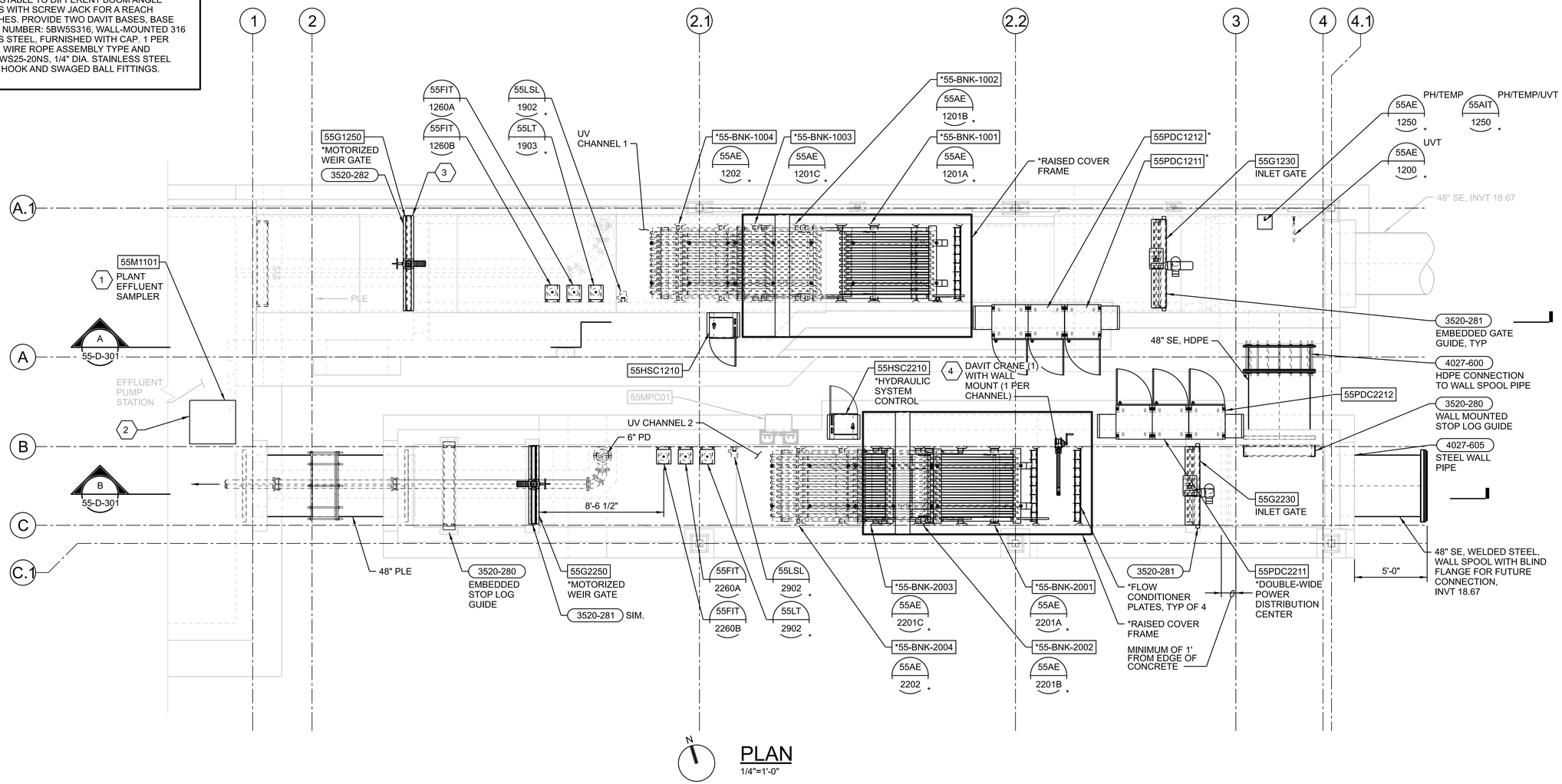
FILENAME: 55-S-501_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:28

GENERAL SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS. INCLUDING DIMENSIONS, ELEVATIONS, AND PIPE MATERIAL. CONFIRM WITH ENGINEER REGARDING ELEVATION DISCREPANCIES.
2. COORDINATE INSTALLATION OF UV EQUIPMENT WITH MANUFACTURER SHOP DRAWINGS, WHICH SUPERSEDE INFORMATION HEREIN.

SHEET KEYNOTES

1. COORDINATE LOCATION OF EFFLUENT SAMPLER WITH RELOCATED HOSE BIB POST CONSTRUCTION.
2. CORE DRILL HOLE IN SURFACE SLAB TO RECEIVE 3" SCHEDULE 80 PVC STILLING WELL. AVOID REBAR. ANCHOR STILLING WELL TO EAST EFFLUENT PUMP STATION WALL. FINAL LOCATION AND SAMPLER TUBING INSTALLATION TO BE COORDINATED WITH OWNER.
3. DO NOT MOUNT WEIR GATE FRAME TO EXISTING STUB WALL.
4. FURNISH ONE PORTABLE DAVIT CRANE (THERN ENSIGN 5PA5S-M3) WITH: MINIMUM CAPACITY OVER SPECIFIED REACH OF 250 LBS, CRANE ROTATION OF 360 DEGREES, STAINLESS STEEL, AND ADJUSTABLE BOOM WITH FOUR DIFFERENT LENGTH POSITIONS AND ADJUSTABLE TO DIFFERENT BOOM ANGLE POSITIONS WITH SCREW JACK FOR A REACH OF 30 INCHES. PROVIDE TWO DAVIT BASES, BASE TYPE AND NUMBER: 5BW5S316, WALL-MOUNTED 316 STAINLESS STEEL, FURNISHED WITH CAP. 1 PER CHANNEL. WIRE ROPE ASSEMBLY TYPE AND NUMBER: WS25-20NS, 1/4" DIA. STAINLESS STEEL WITH EYE HOOK AND SWAGED BALL FITTINGS.



PLAN
1/4"=1'-0"

NO.	DATE	DR	REVISION	CHK	APVD	BY	APVD
DSGN	C COTTON	J SETNIK		J CHANG		B FULLER	

CHRISTOPHER STEPHEN COTTON — STATE OF WASHINGTON — 25005 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

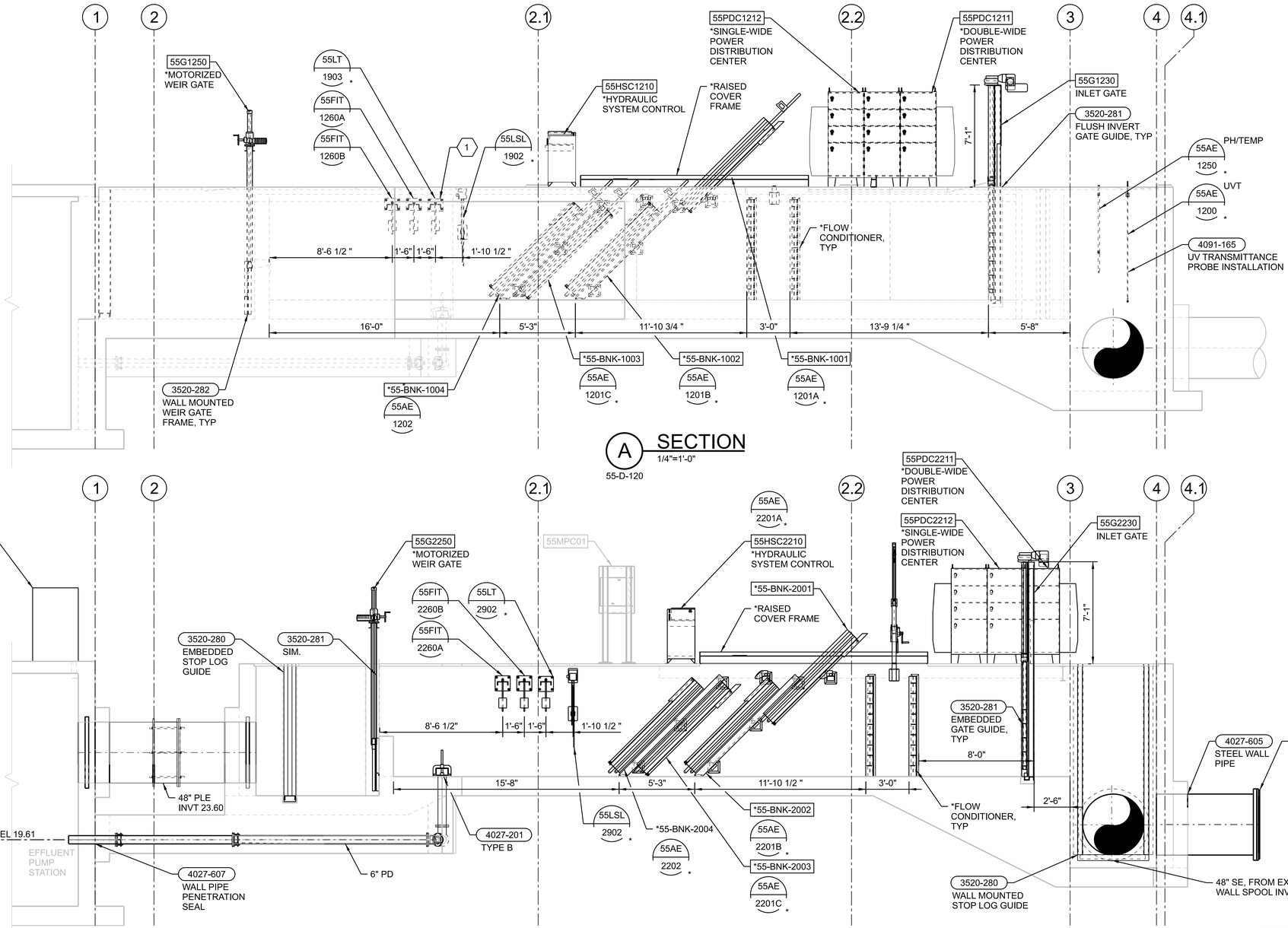
UV DISINFECTION
PROCESS PLAN

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-D-120
SHEET	45 of 71

FILENAME: 55-D-120_D3454455.dgn PLOT DATE: 6-FEB-2026 PLOT TIME: 02:33



A SECTION
1/4"=1'-0"
55-D-120

B SECTION
1/4"=1'-0"
55-D-120

SHEET KEYNOTES

1. COORDINATE SENSOR MOUNTING WITH TOP OF WALL OVERLAY. SEE STRUCTURAL DRAWINGS.

GENERAL SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS. INCLUDING DIMENSIONS, ELEVATIONS, AND PIPE MATERIAL. CONFIRM WITH ENGINEER REGARDING ELEVATION DISCREPANCIES.
2. COORDINATE INSTALLATION OF UV EQUIPMENT WITH MANUFACTURER SHOP DRAWINGS, WHICH SUPERSEDE INFORMATION HEREIN.

CHRISTOPHER STEPHEN COTTON — STATE OF WASHINGTON — 25005668 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		C COTTON	J SETNIK	J CHANG	APVD	B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

UV DISINFECTION
PROCESS SECTIONS

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

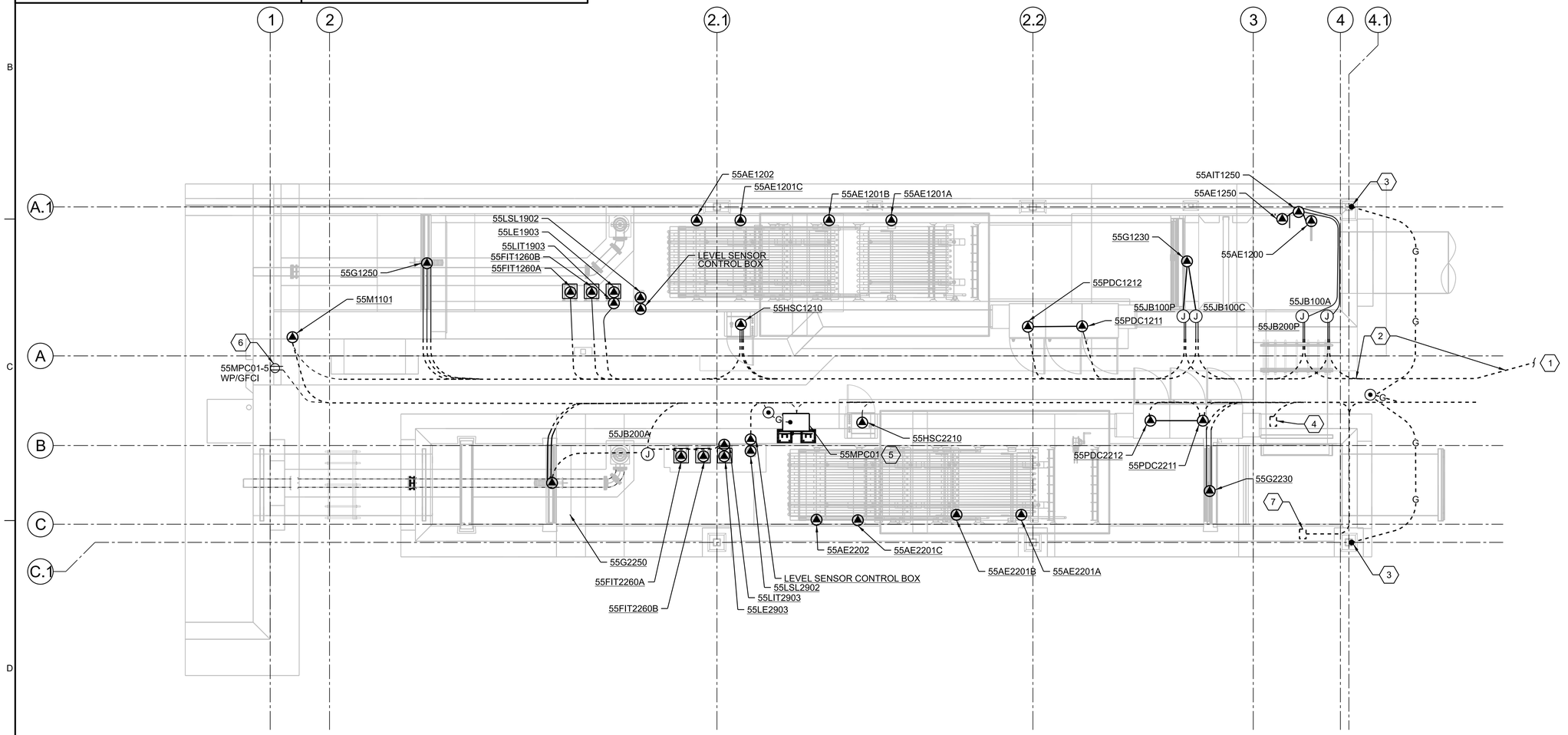
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-D-301
SHEET	46 of 71

GENERAL SHEET NOTES

1. CONDUIT ROUTING SHOWN IS FOR SCHEMATIC PURPOSES ONLY. COORDINATE EXPOSED CONDUIT ROUTING ON TOP OF UV FACILITY DECK WITH FIELD ENGINEER AND OWNER'S REPRESENTATIVE. AVOID TRIPPING HAZARDS. PROVIDE CONDUIT RAMPS WHERE CONDUITS MUST BE ROUTED IN AREAS WITH CART OR OTHER WHEELD TRAFFIC.
2. REFER TO SHEET 90-E-301 FOR DETAILED CONDUIT AND CONDUCTOR INFORMATION.
3. ROUTE CONDUIT UP AND OVER CHANNEL WALLS AND ROUTE EXPOSED TO EQUIPMENT. DO NOT ROUTE CONDUIT WITHIN UV CHANNEL WALLS OR DECK.
4. EXISTING LIGHTS AND RECEPTACLES AT THE UV FACILITY AND ASSOCIATED CANOPY SHALL BE RE-INSTALLED FOR REUSE. REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
5. EXTEND AND BOND DUCT BANK #1/0 BC GROUND CONDUCTOR TO ALL GROUND RODS, 55MPC01, UV PDC CABINETS AND ANY OTHER EQUIPMENT AS REQUIRED BY THE UV EQUIPMENT MANUFACTURER. PROVIDE #8 XHHW BONDING CONDUCTOR BETWEEN EACH PDC AND THE RESPECTIVE UV BANKS IT FEEDS, PER MANUFACTURER'S INSTRUCTIONS.
6. PROVIDE [3/4"C, 2#12, 1#12G] FOR ALL LIGHTING AND RECEPTACLE CIRCUITS.

SHEET KEYNOTES

1. REFER TO 05-E-101 FOR CONTINUATION OF DUCTBANK.
2. EXISTING CONDUITS TO UV CHANNEL 1. CONDUITS NOT SCHEDULED FOR REUSE AND EQUIPMENT NOT SCHEDULED FOR DEMOLITION SHALL REMAIN IN SERVICE. WHERE CONDUITS MUST BE MOVED DUE TO NEW EXCAVATIONS, RELOCATE CONDUITS AND RE-ESTABLISH WIRING FOR EQUIPMENT TO REMAIN IN SERVICE. REFER TO SHEET 05-E-101 AND SPECIFICATION SECTION 01 31 15, CONSTRUCTION SEQUENCING AND CONSTRAINTS FOR ADDITIONAL SEQUENCING INFORMATION.
3. BOND TO CANOPY STRUCTURAL COLUMNS AS SHOWN USING #1/0 BC. USE IRREVERSIBLE COMPRESSION CONNECTORS WITH TAMPER-PROOF HARDWARE OR INSTALL EXOTHERMIC WELD.
4. STUB UP SPARE CONDUITS FROM DUCT BANK AT THIS LOCATION, OR AS OTHERWISE COORDINATED WITH FIELD ENGINEER AND OWNER'S REPRESENTATIVE.
5. PROVIDE SUPPORT FOR EQUIPMENT PER DETAIL 2605-008.
6. PEDESTAL MOUNT PER DETAIL 2605-005.
7. STUB UP SPARE POWER AND INSTRUMENTATION CONDUITS FOR FUTURE INSTRUMENT AT THIS LOCATION, OR AS OTHERWISE COORDINATED WITH FIELD ENGINEER AND OWNER'S REPRESENTATIVE.



PLAN
1/4"=1'-0"

DIGITALLY STAMPED: 2/9/2026
©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		R HARBERT	A CZAPLA	M MACROSTIE			B FULLER

REVISION

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

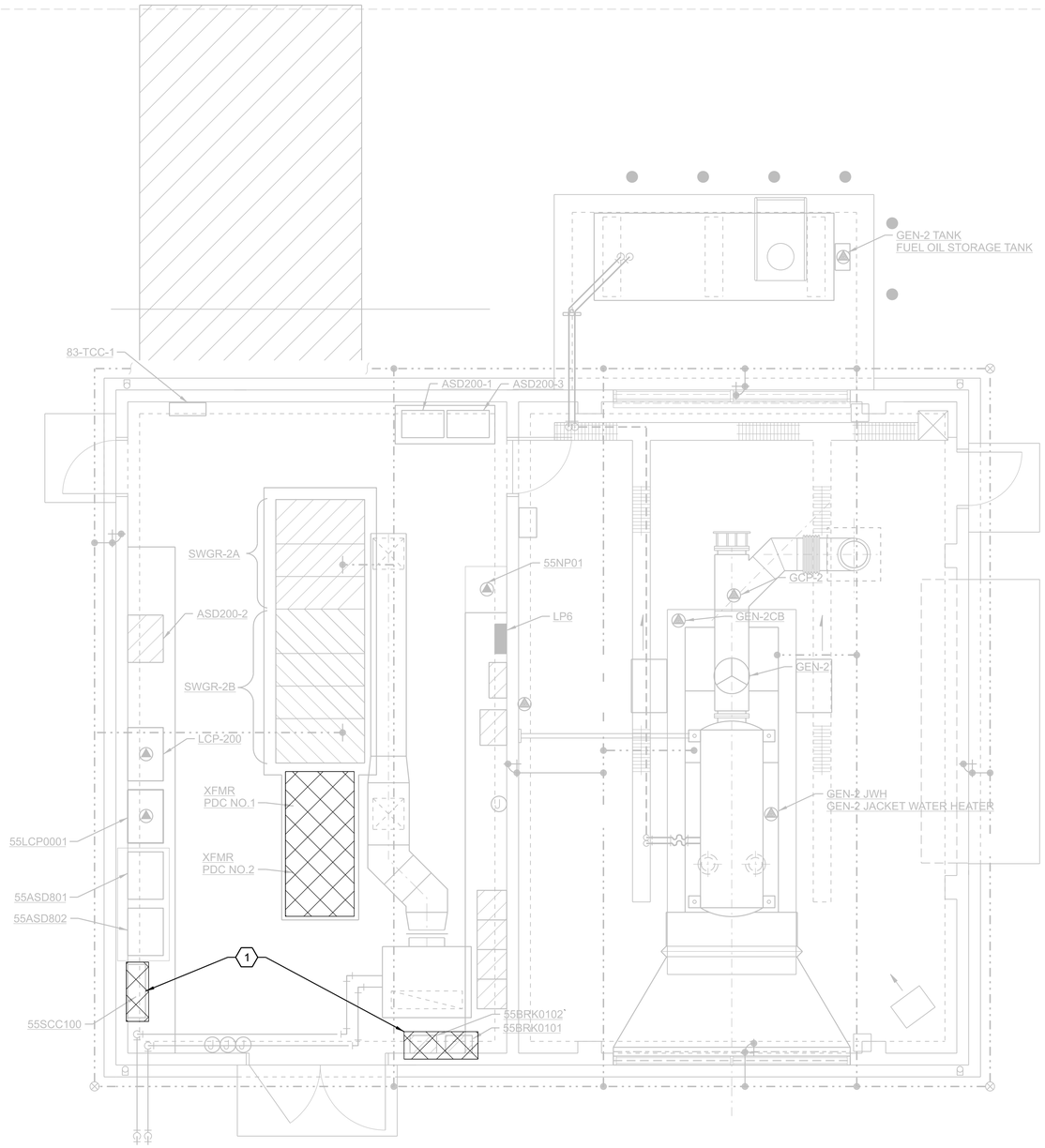
UV DISINFECTION
ELECTRICAL PLAN

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	55-E-120
SHEET	47 of 71

FILENAME: 55-E-120_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:18



N

ELECTRICAL DEMOLITION PLAN

1/4"=1'-0"

GENERAL SHEET NOTES

1. SEE NOTES ON 83-E-120 FOR ADDITIONAL CONSTRUCTION PHASING INFORMATION. IN GENERAL, EQUIPMENT ASSOCIATED WITH THE EXISTING UV CHANNEL SHALL REMAIN IN SERVICE UNTIL THE NEW UV CHANNEL EQUIPMENT IS FULLY OPERATIONAL.
2. DEMOLISH ALL EQUIPMENT INDICATED. DEMOLISH ALL WIRING TERMINATED AT EQUIPMENT. DEMOLISH EXISTING EXPOSED CONDUIT UNLESS SCHEDULED FOR REUSE. COORDINATE WITH OWNER PRIOR TO ANY DEMOLITION.

SHEET KEYNOTES

1. PROTECT EXISTING CONDUITS ENTERING EQUIPMENT THROUGH THE FLOOR. CONDUITS WILL BE REUSED OR CAPPED FOR FUTURE USE.

NO.	DATE	REVISION	DR	CHK	APVD	BY
DSGN	J.SHOLL	A.CZAPLA	M.MACROSTIE	APVD	B.FULLER	

DIGITALLY STAMPED: 2/9/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

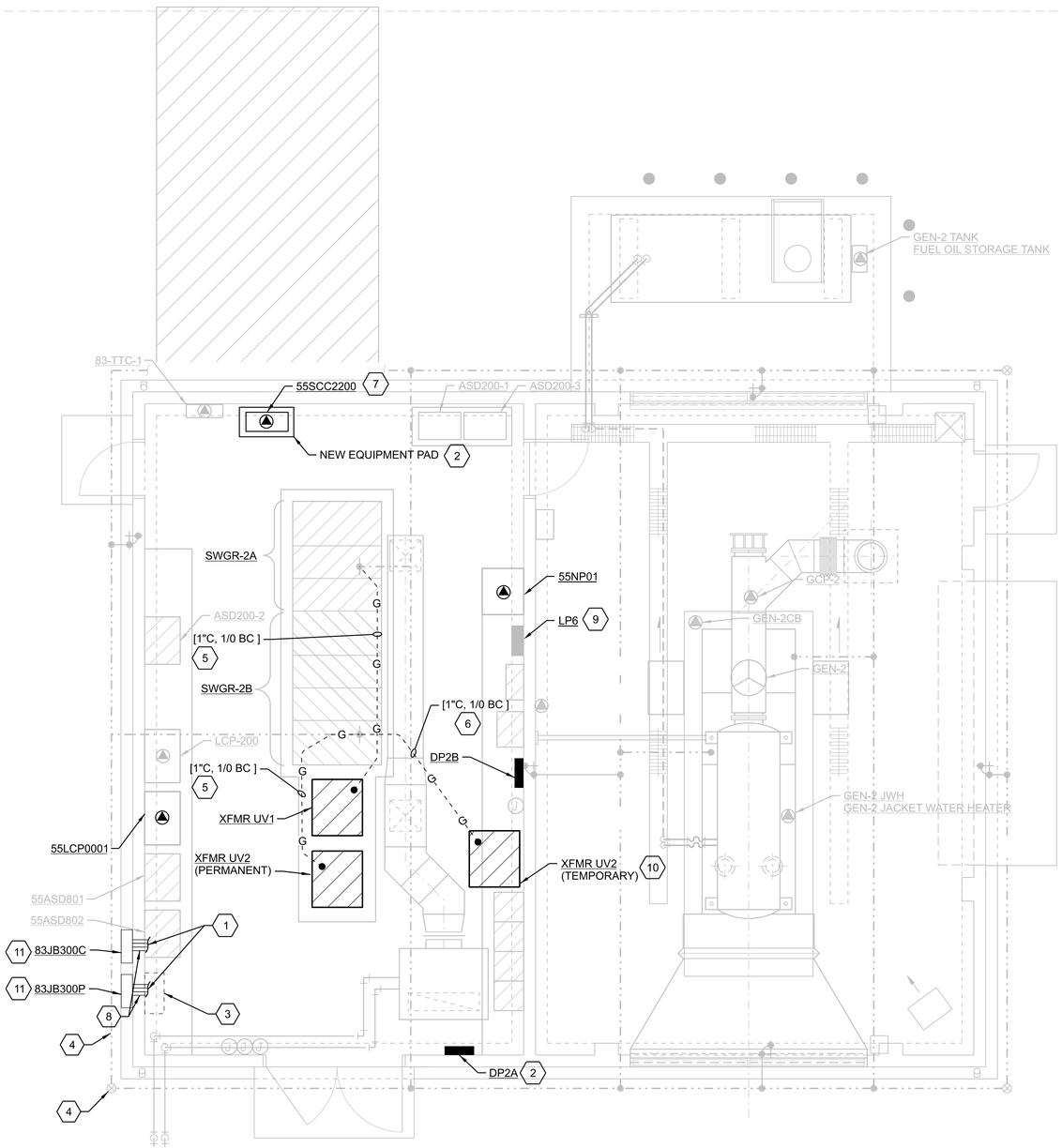
ELECTRICAL BUILDING
ELECTRICAL DEMOLITION PROCESS PLAN

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	83-EX-120
SHEET	48 of 71

FILENAME: 83-EX-120_D3299318.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:18



N

PROCESS PLAN

1/4"=1'-0"

GENERAL SHEET NOTES

1. THE ELECTRICAL ROOM IS "INDOOR DRY LOCATIONS". PROVIDE EQUIPMENT, MATERIALS AND INSTALLATION MEETING THE REQUIREMENTS FOR INDOOR DRY LOCATIONS PER SPECIFICATIONS.
2. REFER TO SHEET 90-E-301 FOR DETAILED CONDUIT AND CONDUCTOR INFORMATION.

SHEET KEYNOTES

1. ROUTE NEW CONDUITS OVERHEAD IN THE ELECTRICAL ROOM SUPPORTED FROM WALLS AND OVERHEAD STRUCTURE. OVERHEAD SUPPORTS SHALL BE MADE AT ROOF TRUSSES.
2. PROVIDE WIREWAY OR JUNCTION BOXES BELOW PANEL TO TRANSITION EXISTING CONDUIT INTO PANEL AS INDICATED ON SHEET 90-E-301.
3. LOCATE EXISTING CONDUITS PENETRATING FLOOR SLAB AT EXISTING 55SCC100 PANEL LOCATION. IDENTIFY CONDUITS FOR REUSE AND EXTENSION PER THE DETAILED CONDUIT AND CONDUCTOR INFORMATION ON SHEET 90-E-301. PROVIDE WIREWAY OR JUNCTION BOXES BELOW PANEL TO TRANSITION EXISTING CONDUIT INTO PANEL AS INDICATED ON SHEET 90-E-301.
4. CONNECT DUCTBANK GROUND CONDUCTORS TO FACILITY 83 GROUND GRID AT GROUND RING EXPOSED BY DUCTBANK EXCAVATION, OR AT EXISTING GROUND ROD TEXT TEST PIT.
5. CONNECT NEW TRANSFORMERS TO FACILITY GROUND SYSTEM. CONNECTION TO SWITCHGEAR GROUND TERMINALS IS SHOWN, BUT OTHER CONNECTIONS TO THE FACILITY GROUND GRID MAY BE ACCEPTABLE UPON ENGINEER'S APPROVAL. GROUNDING CONNECTIONS ARE SHOWN ROUTED IN CONDUIT, BUT IF GROUNDING CONDUCTORS CAN BE NEATLY INSTALLED BETWEEN SWITCHGEAR AND TRANSFORMERS ALONG CONCRETE SURFACES WITHOUT PRESENTING OBSTRUCTIONS OR TRIPPING HAZARDS, THIS MAY BE ACCEPTABLE UPON ENGINEER'S APPROVAL.
6. CONNECT NEW TRANSFORMER TO FACILITY GROUND SYSTEM DURING TEMPORARY PLACEMENT. CONNECTION TO SWITCHGEAR GROUND TERMINALS IS SHOWN, BUT OTHER CONNECTIONS TO THE FACILITY GROUND GRID MAY BE ACCEPTABLE UPON ENGINEER'S APPROVAL.
7. PROVIDE TEMPORARY 120V POWER TO PANEL UNTIL PERMANENT SOURCE AT LP6 BECOMES AVAILABLE AFTER EXISTING SCC PANEL IS DECOMMISSIONED.
8. SELECT WALL PENETRATION LOCATION TO ACCOMMODATE NEW CONDUIT. PENETRATION SHALL UTILIZE A NON-REINFORCED BLOCK LOCATION. COORDINATE AND CONFIRM FINAL LOCATION WITH ENGINEER AND OWNER'S REPRESENTATIVE. REFER TO DETAIL 0420-105.
9. REFER TO SHEETS 90-E-301 AND 90-E-402 FOR WORK ASSOCIATED WITH THIS PANEL.
10. PLACE TRANSFORMER AT THIS LOCATION TEMPORARILY. ONCE THE EXISTING UV CHANNEL EQUIPMENT IS COMPLETE, INCLUDING DEMOLITION OF EXISTING TRANSFORMERS XFMR PDC NO.1 AND XFMR PDC NO.2, THIS TRANSFORMER SHALL BE RELOCATED TO THE PERMANENT LOCATION SHOWN.
11. MOUNT JUNCTION BOXES ON EXTERIOR WALL TO TRANSITION VERTICAL CONDUIT FROM DUCTBANK INTO BUILDING. COORDINATE FINAL HEIGHT OF BOXES WITH FIELD ENGINEER AND OWNER'S REPRESENTATIVE. HEIGHT SHALL BE AT LEAST 8' AFF TO BOTTOM OF BOXES. REFER TO NOTE 3 FOR PENETRATIONS INTO BUILDING. CONTRACTOR SHALL SIZE BOXES PER NEC AND LOCATE TO COVER AND CONCEAL THE NEW BUILDING WALL PENETRATIONS. CONDUITS AND BOXES SHALL BE SUPPORTED BY FRAMING CHANNEL ANCHORED TO THE EXTERIOR WALL. REFER TO 05-E-101 FOR CONTINUATION OF DUCTBANK.

STEPHEN HARBERT WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER RYAN 22826

DIGITALLY STAMPED: 2/9/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DATE	DSGN	DR	CHK	APVD
		J SHOLL	A CZAPLA	M MACROSTIE	APVD

REVISION BY APVD

B FULLER

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

ELECTRICAL BUILDING
ELECTRICAL PROCESS PLAN

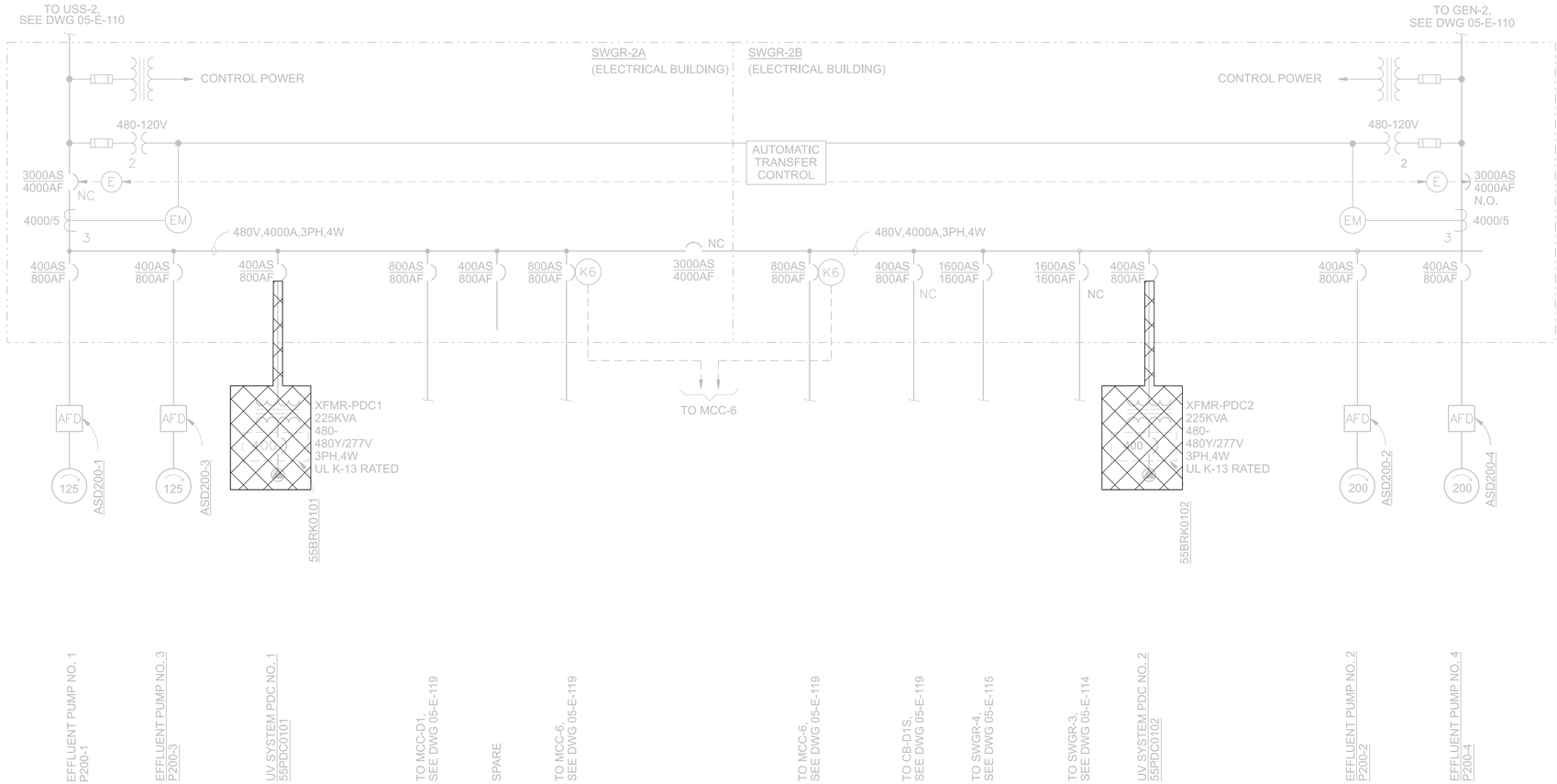
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	83-E-120
SHEET	49 of 71

FILENAME: 83-E-120_D3299318.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:18



GENERAL SHEET NOTES

1. SEE NOTES ON 83-E-120 FOR ADDITIONAL CONSTRUCTION PHASING INFORMATION. IN GENERAL, EQUIPMENT ASSOCIATED WITH THE EXISTING UV CHANNEL SHALL REMAIN IN SERVICE UNTIL THE NEW UV CHANNEL EQUIPMENT IS FULLY OPERATIONAL.
2. DEMOLISH ALL EQUIPMENT INDICATED. DEMOLISH ALL WIRING TERMINATED AT EQUIPMENT. DEMOLISH EXISTING EXPOSED CONDUIT UNLESS SCHEDULED FOR REUSE. COORDINATE WITH OWNER PRIOR TO ANY DEMOLITION.

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN	R HARBERT	A CZAPLA		M MACROSTIE		B FULLER	

DIGITALLY STAMPED: 2/9/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

GENERAL ELECTRICAL

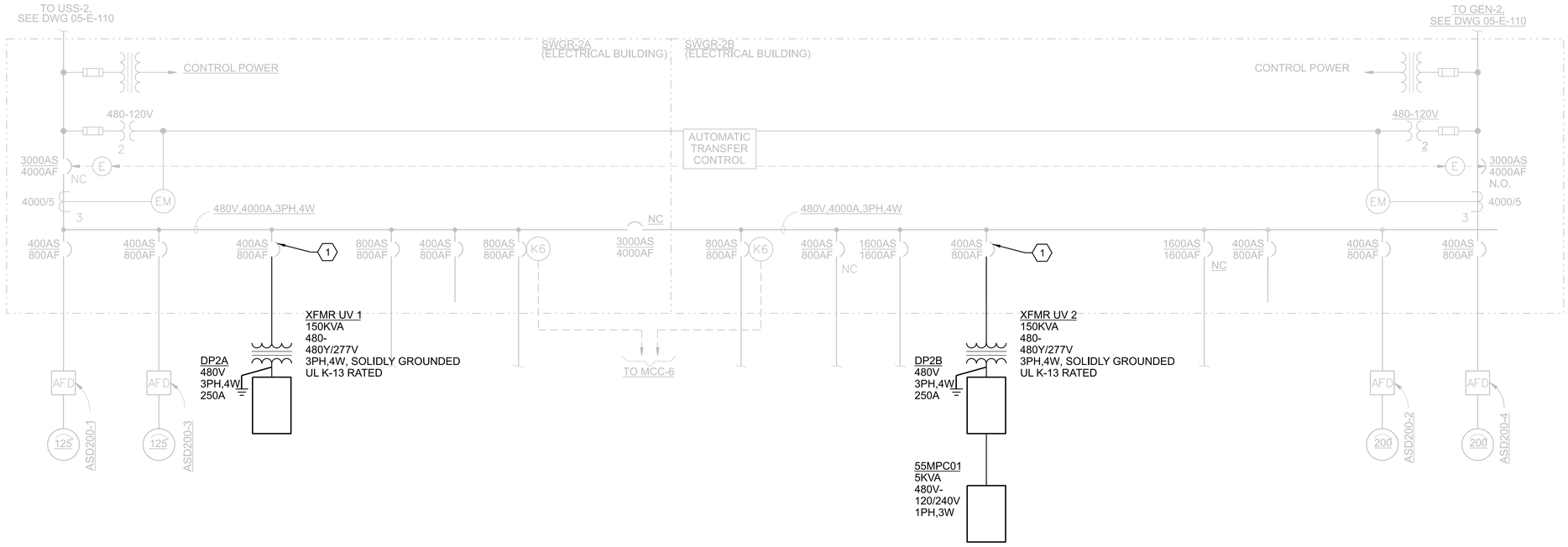
ELECTRICAL DEMOLITION SWGR-2A AND SWGR-2B ONE-LINE DIAGRAM

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	90-EX-201
SHEET	50 of 71

FILENAME: 90-EX-201_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:19



SHEET KEYNOTES

1. UTILIZE EXISTING BREAKER FOR NEW FEEDER. VERIFY TRIP SETTING IS SET AT 400A AND ADJUST ANY OTHER BREAKER SETTINGS AS DIRECTED BY SPECIFICATION SECTION 26 05 70, ELECTRICAL SYSTEM ANALYSIS.

NO.	DATE	DR	REVISION	CHK	BY	APVD
DSGN	R HARBERT	A.CZAPLA		M MACROSTIE	B FULLER	APVD

DIGITALLY STAMPED: 2/9/2026

© JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

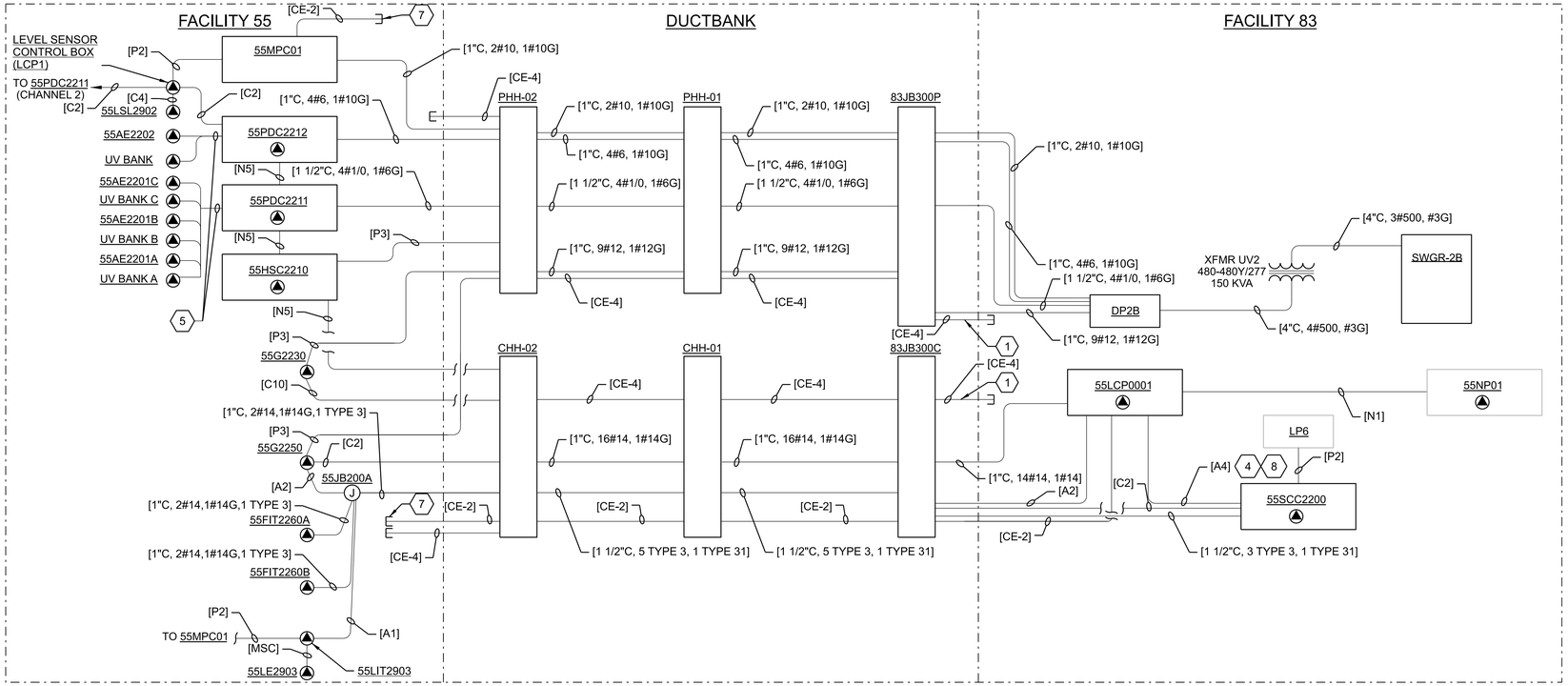
GENERAL ELECTRICAL
ELECTRICAL SWGR-2A AND SWGR-2B ONE-LINE DIAGRAM

ISSUED FOR CONSTRUCTION

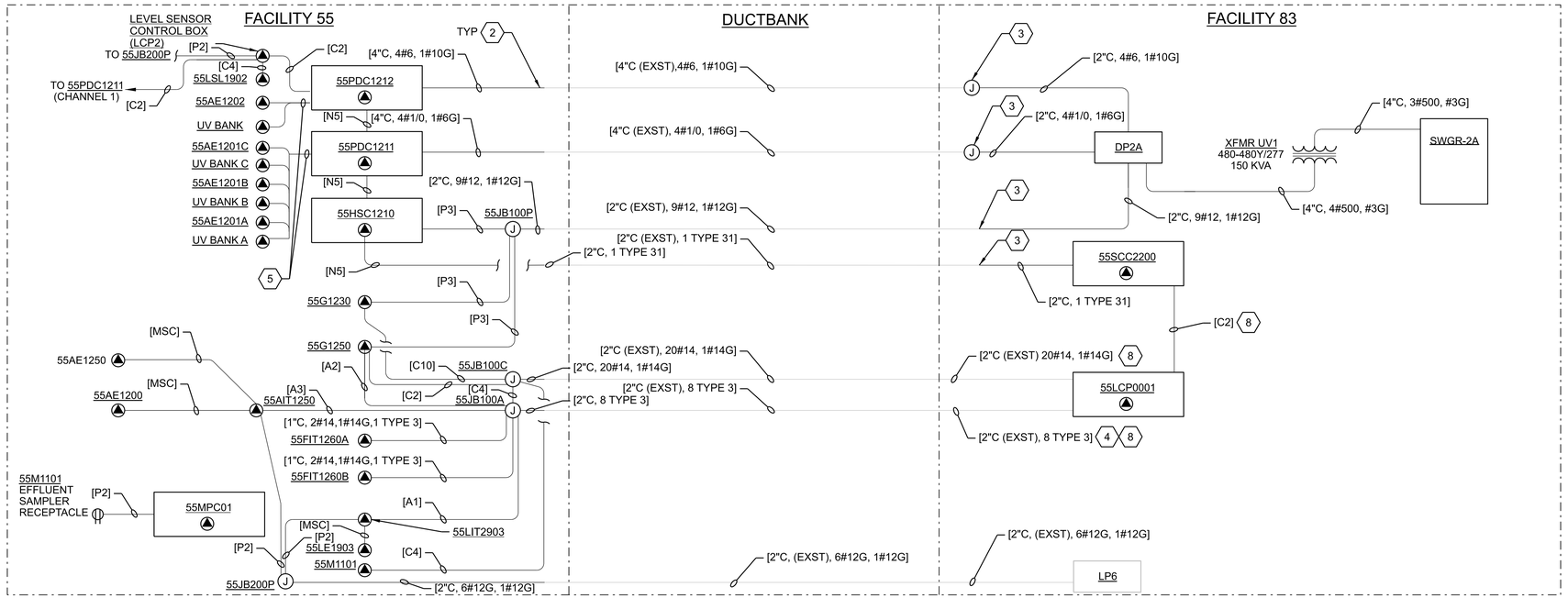
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	90-E-201
SHEET	51 of 71

FILENAME: 90-E-201_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:20



CABLE BLOCK DIAGRAM (NEW UV CHANNEL 2)



CABLE BLOCK DIAGRAM (EXISTING UV CHANNEL 1)

SHEET KEYNOTES

1. STUB CONDUIT OUT THROUGH WALL, INTO ELECTRICAL ROOM AND CAP FOR FUTURE USE.
2. LOCATE EXISTING BURIED CONDUITS. EXTEND EXISTING BURIED CONDUITS TO NEW ENDPOINTS. ROUTING NEW CONDUIT BELOW GRADE AS MUCH AS POSSIBLE. JUNCTION BOXES WHERE INDICATED TO COMBINE WIRING AS SHOWN.
3. LOCATE EXISTING CONDUITS AS THEY ENTER THE ELECTRICAL ROOM THROUGH THE FLOOR SLAB. EXTEND CONDUITS TO NEW ENDPOINTS. PROVIDE JUNCTION BOXES WHERE INDICATED TO COMBINE WIRING OR CHANGE CONDUIT SIZES AS SHOWN.
4. CONDUIT INCLUDES WIRING FOR BOTH UV CHANNEL 1 AND 2.
5. INSTALL CABLING PROVIDED BY UV MANUFACTURER. NEATLY BUNDLE, TRAIN, AND ROUTE CABLES AS RECOMMENDED BY MANUFACTURER.
6. TERMINATE SEVEN (7) TYPE 3 CABLES AT 55LCP0001. ONE (1) TYPE 3 CABLE SHALL PASS THROUGH PANEL 55 LCP0001 UNTERMINATED AND EXTEND TO 55SCC2200 AS SHOWN. REFER ALSO TO KEYNOTE 5.
7. SPARE CONDUIT FOR FUTURE INSTRUMENT. SEE DRAWING 55-E-120 FOR LOCATION.
8. WIRING ASSOCIATED WITH 55G1250 SHALL NOT TERMINATE IN 55LCP0001. 55LCP0001 IS USED AS A PASS-THROUGH JUNCTION BOX FOR THIS WIRING.

STEPHEN HARBERT WASHINGTON 25868 REGISTERED PROFESSIONAL ENGINEER RYAN

DIGITALLY STAMPED: 2/9/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	REVISION	CHK	APVD	BY	APVD
		R HARBERT	A CZAPLA		M MACROSTIE		B FULLER	

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

GENERAL ELECTRICAL
ELECTRICAL
CABLE BLOCK DIAGRAM

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	90-E-301
SHEET	52 of 71

ELECTRICAL PANELBOARD SCHEDULE

PANEL: DP2A
VOLTAGE: 480V, 3 PHASE, 4 WIRE
BUS SIZE: 250A
MAIN SIZE: 225A
SCCR: 10KA MINIMUM

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: SWGR 2A VIA XFMR UV1
MAIN TYPE: CIRCUIT BREAKER
NOTES:

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	BREAKER CKT NO.	CIRCUIT TITLE
55PDC1211	1	125	3	28000			9200			3	50	2	55PDC1212
--	3	--	--		28000			9200		--	--	4	--
--	5	--	--			28000			9200	--	--	6	--
55HSC1210	7	25	3	840			600			3	20	8	55G1250
--	9	--	--		840			600		--	--	10	--
--	11	--	--			840			600	--	--	12	--
55G1230	13	20	3	600						3	20	14	SPARE
--	15	--	--		600					--	--	16	--
--	17	--	--			600				--	--	18	--
SPARE	19	20	3							3	20	20	SPARE
--	21	--	--							--	--	22	--
--	23	--	--							--	--	24	--
SPARE	25	20	3							3	20	26	SPARE
--	27	--	--							--	--	28	--
--	29	--	--							--	--	30	--
SPACE	31	--	--							--	--	32	SPACE
--	33	--	--							--	--	34	--
--	35	--	--							--	--	36	--
SPACE	37	--	--							3	30	38	SPD
--	39	--	--							--	--	40	--
--	41	--	--							--	--	42	--
	TOTAL LOAD			29440	29440	29440	9800	9800	9800				

PHASE A LOAD (VA) = 39240
PHASE B LOAD (VA) = 39240
PHASE C LOAD (VA) = 39240
TOTAL LOAD (VA)= 117720

AMPS= 141.60

ELECTRICAL PANELBOARD SCHEDULE

PANEL: LP6 (EXISTING)
VOLTAGE: 208/120V, 3 PHASE, 4 WIRE
BUS SIZE: 100A
MAIN SIZE: 100A

LOCATION: ELECTRICAL BLDG 83
MOUNTING: SURFACE
FED FROM: MCC-6 VIA XFMR-LP6

NOTES: BOLD WITH * INDICATES NEW WORK**

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	BREAKER CKT NO.	CIRCUIT TITLE
83-101 LTS	1	20	1	840			840			1	20	2	83-102 LTS
83-101 RECPTS	3	20	1		540			540		1	20	4	83-102 RECPTS
83-ECP-1	5	20	1			1000			540	1	20	6	BLDG 83 EXT LTS
GEN FUEL TANK XFER PUMP	7	20	1	1000			650			1	20	8	BLDG 55 EXT LTS
55FQIT0301	9	20	1		50			1080		1	20	10	BLDG 55 RECPTS
USS2 FANS	11	20	1			500			100	1	20	12	83LC1 & PHOTOCELL
USS2 FANS	13	20	1	500			500			1	20	14	USS2 SPACE HEATERS
55LIT0600	15	15	1		50			120		1	15	16	**55LSL1902 CONTROL BOX (LCP1)*** **
SPARE* **	17	20	1			0			40	1	20	18	**55LIT1903**
55LCP001	19	20	1	1650			150			1	20	20	**55AIT1250 (PH/TEMP/UVT)*** **
LCP-200 EFFLUENT VALVE PANEL	21	20	1		500			500		1	20	22	GEN-2BC BATTERY CHARGER
HEAT TRACING W3*	23	20	1			452			500	1	20	24	GCP-2 ENGINE CONTROL PANEL
HEAT TRACING W4*	25	20	1	284			100			1	20	26	GEN-2TANK, GEN-2 FUEL TANK
FUEL SCRUBBER	27	20	1		522			500		1	20	28	55LCP0701 HEATERS
55NP01	29	20	2			500			500	1	20	30	55LCP0702 HEATERS
FIRE PUMP SHELTER LP6A	31	30	3	1500			1000			1	20	32	**55SCC2200*** **
FIRE PUMP SHELTER LP6A	33	--	--		1500			1800		1	20	34	ACP PNL 83
FIRE PUMP SHELTER LP6A	35	--	--			1500			200	1	20	36	FACP 83
*= GFCI BREAKER	TOTAL LOAD			5774	3162	3952	3240	4540	1880				

PHASE A LOAD (VA) = 9014
PHASE B LOAD (VA) = 7702
PHASE C LOAD (VA) = 5832
TOTAL LOAD (VA)= 22548

AMPS= 62.59

ELECTRICAL PANELBOARD SCHEDULE

PANEL: DP2B
VOLTAGE: 480V, 3 PHASE, 4 WIRE
BUS SIZE: 250A
MAIN SIZE: 225A
SCCR: 10KA MINIMUM

LOCATION: ELECTRICAL ROOM
MOUNTING: SURFACE
FED FROM: SWGR 2B VIA XFMR UV2
MAIN TYPE: CIRCUIT BREAKER
NOTES:

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE C	BREAKER POLE	BREAKER AMP	BREAKER CKT NO.	CIRCUIT TITLE
55PDC2211	1	125	3	28000			9200			3	50	2	55PDC2212
--	3	--	--		28000			9200		--	--	4	--
--	5	--	--			28000			9200	--	--	6	--
55HSC2210	7	25	3	840			600			3	20	8	55G2250
--	9	--	--		840			600		--	--	10	--
--	11	--	--			840			600	--	--	12	--
55G2230	13	20	3	600						3	20	14	SPARE
--	15	--	--		600					--	--	16	--
--	17	--	--			600				--	--	18	--
55MPC01	19	25	2	1720						3	20	20	SPARE
--	21	--	--		236					--	--	22	--
SPACE	23									--	--	24	--
SPARE	25	20	3							3	20	26	SPARE
--	27	--	--							--	--	28	--
--	29	--	--							--	--	30	--
SPACE	31	--	--							--	--	32	SPACE
--	33	--	--							--	--	34	--
--	35	--	--							--	--	36	--
SPACE	37	--	--							3	30	38	SPD
--	39	--	--							--	--	40	--
--	41	--	--							--	--	42	--
	TOTAL LOAD			31160	29676	29440	9800	9800	9800				

PHASE A LOAD (VA) = 40960
PHASE B LOAD (VA) = 39476
PHASE C LOAD (VA) = 39240
TOTAL LOAD (VA)= 119676

AMPS= 143.95

ELECTRICAL PANELBOARD SCHEDULE

PANEL: 55MPC01
VOLTAGE: 480V-120/240V 1 PH, 3 W
BUS SIZE: MANF'S STANDARD FOR 5KVA UNIT
MAIN SIZE: MANF'S STANDARD

LOCATION: FACILITY 55
MOUNTING: PEDESTAL/STACHION
FED FROM: DP2B
MAIN TYPE: MCB
NOTES: * INDICATES GFCI BREAKER

CIRCUIT TITLE	BREAKER CKT NO.	BREAKER AMP	BREAKER POLE	LOAD, VA PHASE A	LOAD, VA PHASE B	LOAD, VA PHASE A	LOAD, VA PHASE B	BREAKER POLE	BREAKER AMP	BREAKER CKT NO.	CIRCUIT TITLE
SPARE	1	15	1	0		120		1	15	2	55LSL2902 CONTROL BOX
SPARE	3	15	1		0		36	1	15	4	55LT2903 LEVEL SENSOR MONITOR
55M1101 SAMPLER (RECEPTACLE)*	5	20	1	1500				1	20	6	SPARE
SPARE	7	15	1		200			1	20	8	SPARE
SPARE	9	20	1					1	20	10	SPARE
SPARE	11	20	1					1	20	12	SPARE
	TOTAL LOAD			1500	200	120	36				

PHASE A LOAD (VA) = 1620
PHASE B LOAD (VA) = 236
TOTAL LOAD (VA)= 1856

PANELBOARD SCHEDULES

DIGITALLY STAMPED: 2/9/2026
©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	REVISION	CHK	APVD	BY	APVD
		DR	A.CZAPLA	M.MACROSTIE		B.FULLER	
		R.HARBERT					

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

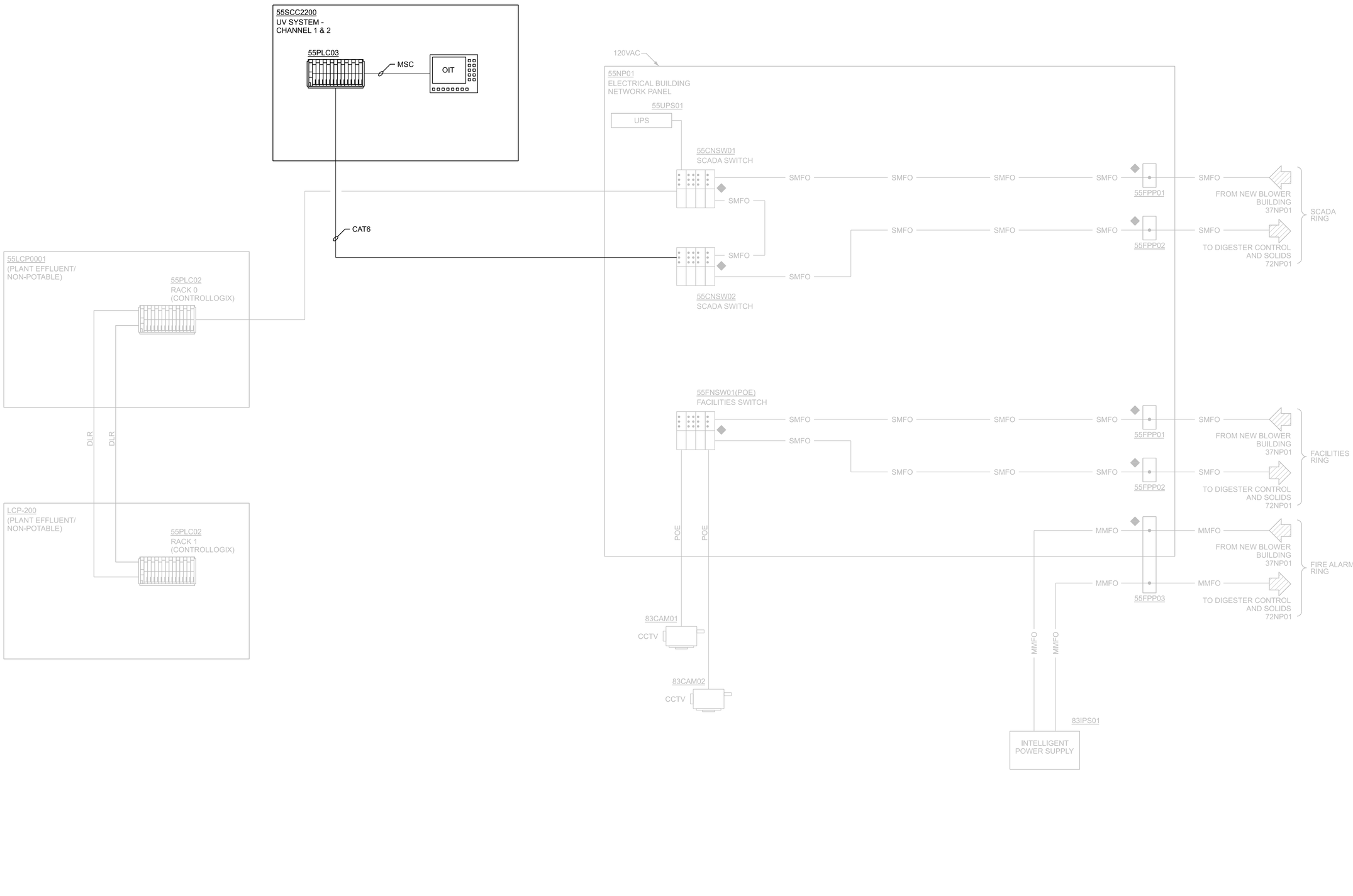
GENERAL ELECTRICAL
ELECTRICAL
PANELBOARD SCHEDULES

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	90-E-402
SHEET	53 of 71

FILENAME: 90-E-402_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:19



ANDREA NICOLE ELLIS
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
DIGITALLY SIGNED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	REVISION	CHK	APVD	BY	APVD
		A ELLIS	W DOMAGALA	DR	B DONALDSON		B FULLER

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

INSTRUMENTATION AND CONTROL

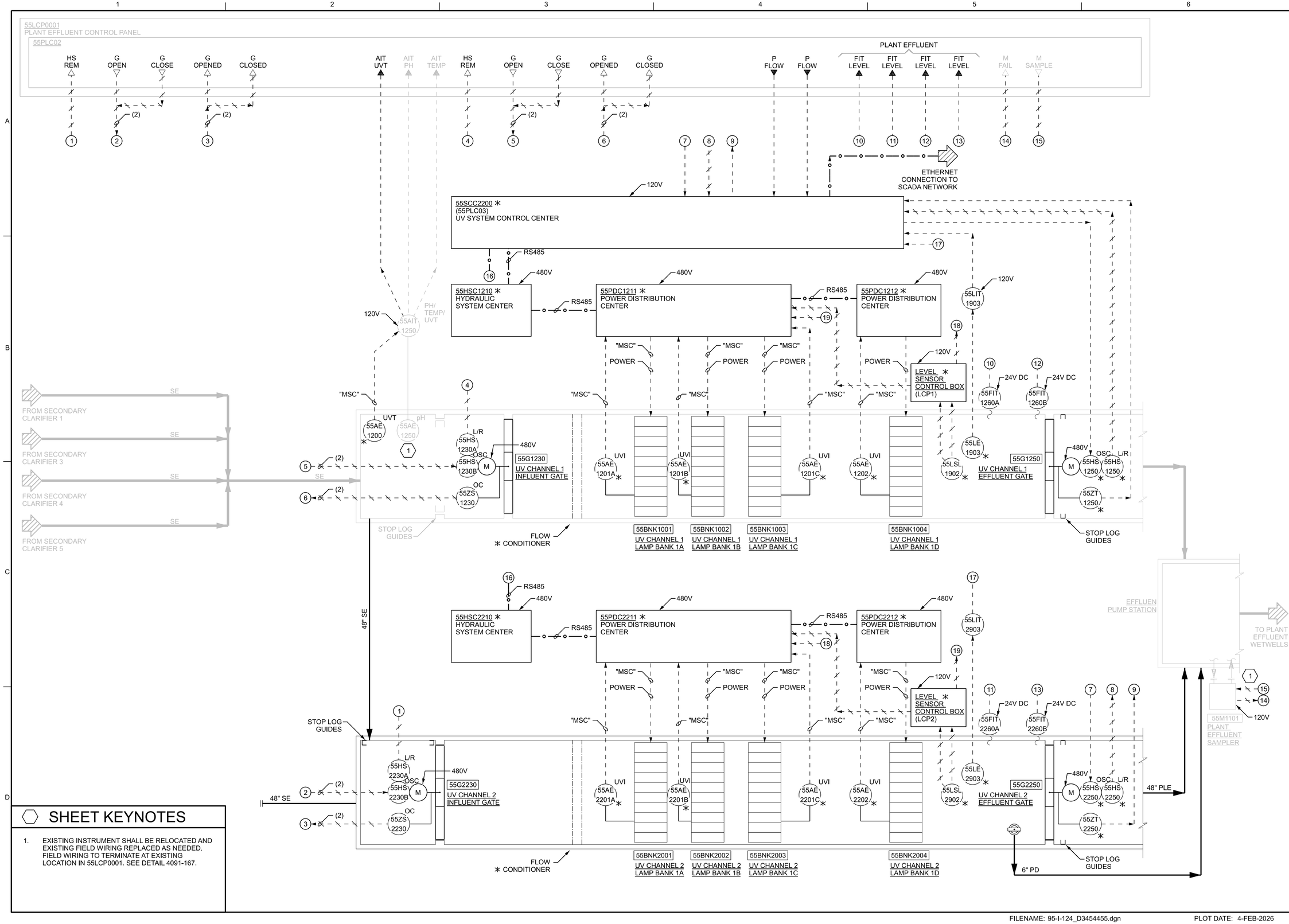
NETWORK BLOCK DIAGRAM

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	95-I-001
SHEET	54 of 71

FILENAME: 95-I-001_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 04:36



SHEET KEYNOTES

1. EXISTING INSTRUMENT SHALL BE RELOCATED AND EXISTING FIELD WIRING REPLACED AS NEEDED. FIELD WIRING TO TERMINATE AT EXISTING LOCATION IN 55LCP0001. SEE DETAIL 4091-167.

FILENAME: 95-I-124_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 04:35

NO.	DATE	DR	CHK	APVD	BY	REVISION
DSGN	A ELLIS	W DOMAGALA	B DONALDSON	APVD	B FULLER	DIGITALLY SIGNED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

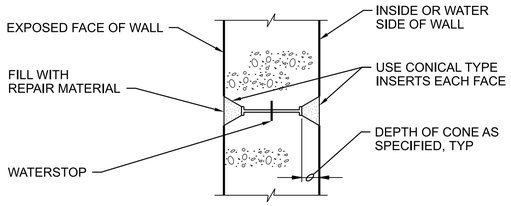
INSTRUMENTATION AND CONTROL

UV P&ID

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	95-I-124
SHEET	55 of 71



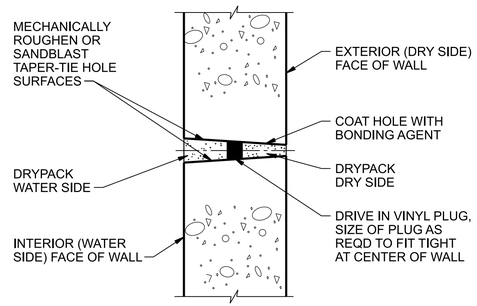
NOTES:

1. THE SPACING OF FORM TIES ON EXPOSED PORTIONS OF WALLS SHALL BE APPROXIMATELY EQUAL HORIZONTALLY AND VERTICALLY AND SHALL BE UNIFORM IN EACH DIRECTION.

FORM SNAP-TIE HOLE

NTS

0310-051



NOTES:

1. MINIMUM HOLE DIAMETER AT EXTERIOR FACE = 1". TAPER HOLE SO THAT MINIMUM HOLE DIAMETER AT INTERIOR FACE = 1 1/4"

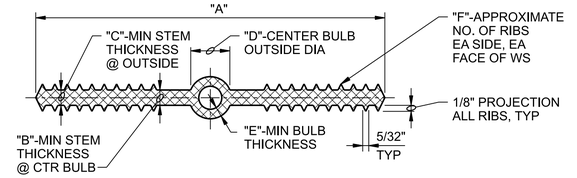
CONSTRUCTION STEPS:

1. SANDBLAST OR MECHANICALLY ROUGHEN WITH ELECTRIC EQUIPMENT.
2. DRIVE IN VINYL PLUG.
3. COAT HOLE ON DRY SIDE OF PLUG AND WHILE BONDING AGENT IS TACKY, DRYPACK.
4. COAT HOLE ON WATER SIDE OF PLUG AND WHILE BONDING AGENT IS TACKY, DRYPACK.
5. USE CATEGORY II, NON-SHRINK GROUT AS SPECIFIED.

ALTERNATE FORM TIE-THROUGH BOLT

NTS

0310-052



SIZE	"A"	"B"	"C"	"D"	"E"	"F"
6"x3/8"	6"	3/8"	3/8"	7/8"	1/4"	6
9"x3/8"	9"	3/8"	3/8"	1"	1/4"	8

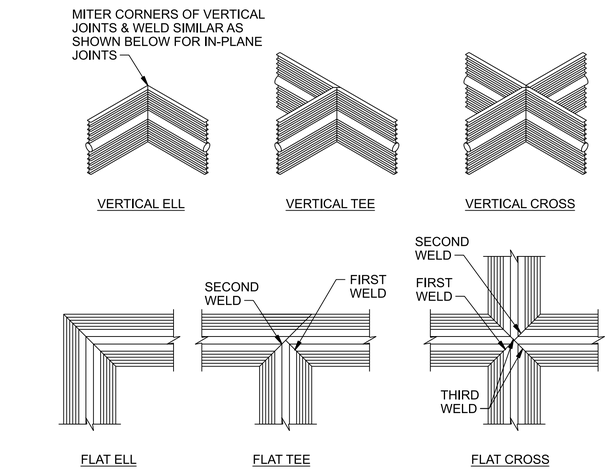
NOTES:

1. NON-ROUND CENTER BULBS SHALL HAVE A MINIMUM OUTSIDE DIMENSION OF 'D'.
2. SEE SPLICE DETAIL (0315-011)
3. BULB TYPE WATERSTOP SHOWN IS REQUIRED FOR EXPANSION AND CONTROL JOINTS. SIMILAR WATERSTOPS WITHOUT CENTER BULB MAY BE SUBSTITUTED AT CONSTRUCTION JOINTS.
4. USE 6 INCH WATERSTOPS IN ALL CONSTRUCTION JOINTS UNLESS SPECIFICALLY SHOWN OTHERWISE.

PLASTIC WATERSTOP

NTS

0315-001



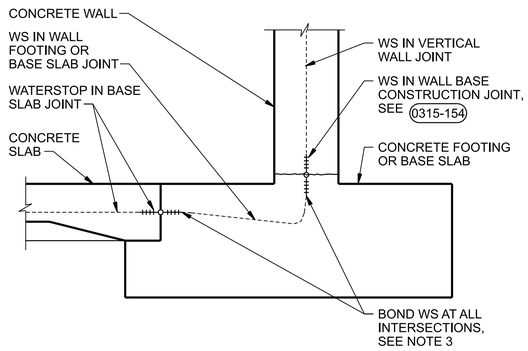
NOTES:

1. ALL WELDS SHALL BE PER WATERSTOP MANUFACTURER'S RECOMMENDATIONS.

WATERSTOP JOINTS

NTS

0315-011



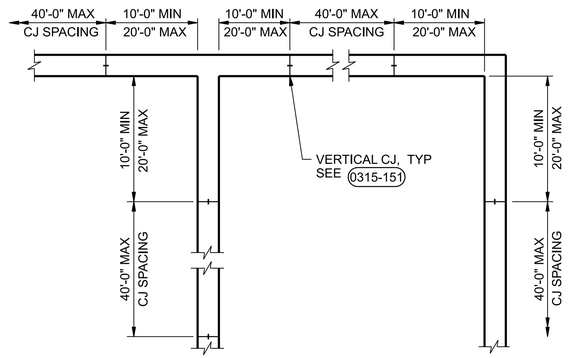
NOTES:

1. SUBMIT DETAILS OF SPLICING AND LOCATION.
2. BOND OR SPLICE ALL HORIZONTAL TRANSVERSE WATERSTOPS IN BASE SLAB JOINTS TO CONTINUOUS LONGITUDINAL WATERSTOP IN WALL BASE FOR COMPLETE SEAL.
3. BOND OR SPLICE ALL VERTICAL WATERSTOPS IN WALL JOINTS TO LONGITUDINAL WATERSTOP IN WALL BASE FOR COMPLETE SEAL, SEE (0315-011) FLAT CROSS JOINT.
4. FOR CONCRETE PLACEMENT SEQUENCE, SEE (0315-133)
4. FOR PLASTIC WATERSTOP DETAILS, SEE (0315-001)

WATERSTOP CONNECTION

NTS

0315-012



PLAN

NOTES:

1. COORDINATE CONSTRUCTION JOINT LOCATIONS AND TIME BETWEEN CONCRETE POURS WITH SPECIFICATION 03 30 00.
2. LOCATE WALL CONSTRUCTION JOINTS AS SHOWN, UNLESS INDICATED OTHERWISE.

WALL CONSTRUCTION JOINT SPACING

NTS

0315-131

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25615 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	REVISION	BY	APVD
		K MILAJ	A GAWOR	B BLASEN	B FULLER			

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

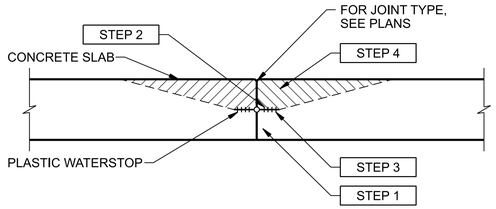
STANDARD DETAILS
STRUCTURAL
STANDARD DETAILS - 1

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-511
SHEET	56 of 71

FILENAME: 99-S-511_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



NOTES:

PLACEMENT SEQUENCE SHOWN REQUIRED ON BOTH SIDES OF JOINTS, IN ALL CONCRETE SLAB AND FOOTING POURS WITH HORIZONTALLY PLACED PLASTIC WATERSTOPS.

STEP 1

PLACE CONCRETE BELOW WATERSTOP FIRST, REMOVE ALL AIR VOIDS BY VIBRATING THOROUGHLY.

STEP 2

TO CONFIRM THERE ARE NO AIR VOIDS, LIFT WATERSTOP. A CONTINUOUS IMPRESSION OF THE WATERSTOP, INCLUDING EDGE OF BULB, SHOULD BE VISIBLE IN THE FRESH CONCRETE. CONTINUE THIS PROCEDURE ALONG THE ENTIRE POURED JOINT, END TO END. IF A CONTINUOUS IMPRESSION IS CONFIRMED, PROCEED WITH STEP 4. IF A VOID LARGER THAN 1/4 INCH IN DIAMETER IS PRESENT ANYWHERE IN THE WATERSTOP IMPRESSION, PROCEED WITH STEP 3.

STEP 3

IF A VOID LARGER THAN 1/4 INCH IN DIAMETER IS PRESENT IN THE WATERSTOP IMPRESSION, ADDITIONAL CONCRETE SHALL BE PLACED UNDER THE WATERSTOP, VIBRATED, AND STEP 2 REPEATED.

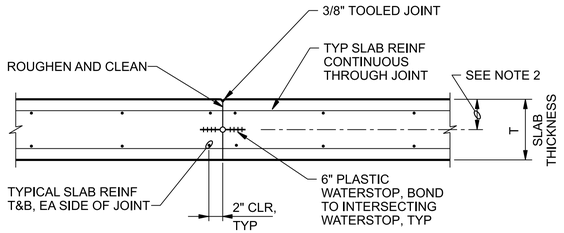
STEP 4

FINISH PLACING CONCRETE ABOVE THE WATERSTOP TO TOP OF SLAB.

CONCRETE PLACEMENT SEQUENCE

NTS

0315-133



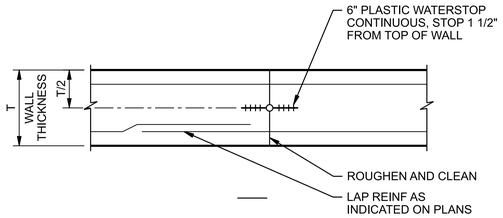
NOTE:

1. FOR CONCRETE PLACEMENT AROUND WATERSTOP, SEE 0315-133
2. WATERSTOP DEPTH = T/2 OR 6 1/2" MAXIMUM WHEN USED IN CONJUNCTION WITH DETAIL 0315-154.

SLAB CONSTRUCTION JOINT

NTS

0315-142



PLAN

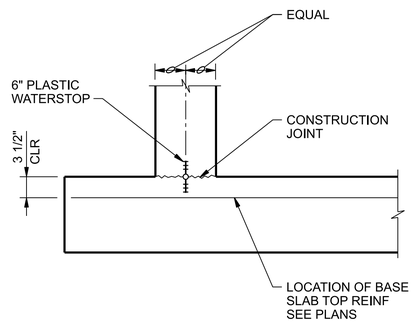
NOTES:

1. ALL REINFORCEMENT CONTINUOUS ACROSS JOINT.
2. FOR LOCATIONS, SEE 0315-131

WALL VERTICAL CONSTRUCTION JOINT

NTS

0315-151



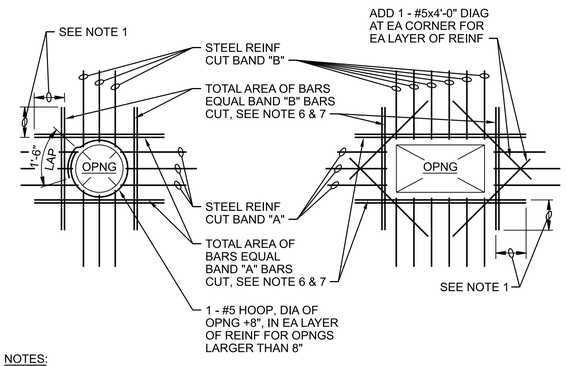
NOTES:

1. FOR WALLS WITH SINGLE MAT OF REINFORCING LOCATE WATERSTOP ON LIQUID FACE, 1" CLEAR OF REINFORCEMENT.
2. SECURE WATERSTOP IN-PLACE AS SPECIFIED.

WALL BASE CONSTRUCTION JOINT

NTS

0315-154



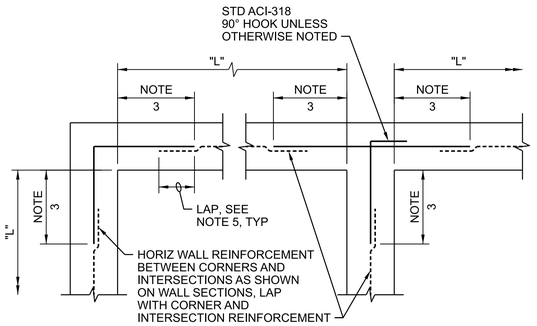
NOTES:

1. PROVIDE MINIMUM LAP, SEE GENERAL STRUCTURAL NOTES.
2. TYPICAL FOR ALL OPENINGS IN CONCRETE WALLS OF BELOW GRADE AND HYDRAULIC STRUCTURES AND ALL STRUCTURAL CONCRETE SLABS UNLESS INDICATED OTHERWISE ON PLANS.
3. DO NOT WELD REINFORCEMENT TO PIPE SLEEVES AND INSERTS.
4. PROVIDE A MINIMUM OF 2 "A" BARS AND 2 "B" BARS EACH SIDE OF OPENING (1 EACH FACE), INCLUDING DOWELS AND CORNER BARS, TYPICAL.
5. FOR OPENINGS LARGER THAN 8'-0", REINFORCE SAME AS FOR 8'-0" OPENINGS.
6. SPACE AT 3 BAR DIAMETERS (OR 3" MINIMUM) ON CENTER. LOCATE HALF OF TOTAL AREA ON EACH SIDE OF OPENING.
7. AT OPENINGS WITHIN 12" OF AN INTERSECTING WALL OR SLAB, PROVIDE ONLY THE EXTRA REINFORCEMENT WHICH WILL FIT, AT THE BAR SPACING IN NOTE 6.

OPENING REINFORCEMENT

NTS

0330-001



SINGLE REINFORCEMENT MAT

TYPICAL WALL CORNER & INTERSECTION REINFORCEMENT

NTS

DETAIL 1 OF 3

0330-003

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25615 — REGISTERED PROFESSIONAL ENGINEER
DIGITALLY STAMPED: 02/09/2026
©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	REVISION	CHK	BY	APVD
		K MILAJ	A GAWOR	DR	B BLASEN	APVD
					B FULLER	

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

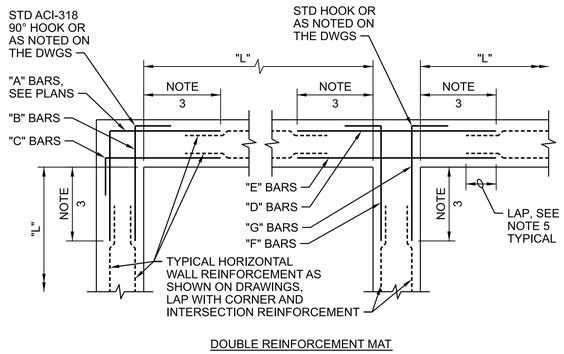
STANDARD DETAILS
STRUCTURAL
STANDARD DETAILS - 2

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-512
SHEET	57 of 71

FILENAME: 99-S-512_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



DOUBLE REINFORCEMENT MAT

TYPICAL WALL CORNER & INTERSECTION REINFORCEMENT

NTS

DETAIL 2 OF 3

0330-003

NOTES:

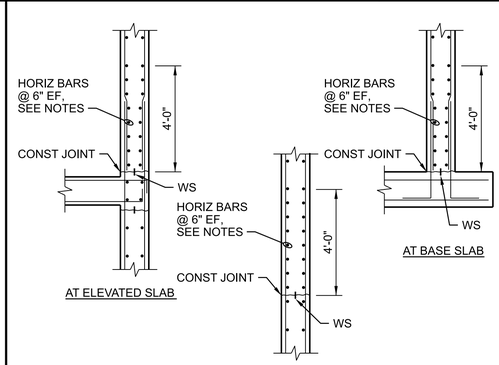
1. TYPICAL HORIZONTAL WALL CORNER AND INTERSECTION REINFORCEMENT LAYOUT IS SHOWN TO AVOID CONGESTION AND PERMIT PROPER PLACEMENT, FOR SIZE AND SPACING SEE PLANS. ALL HORIZONTAL REINFORCEMENT AT CORNERS AND INTERSECTIONS SHALL BE FABRICATED AND INSTALLED WITH SPLICES LOCATED WHERE SHOWN REGARDLESS OF BAR SIZE AND SPACING.
2. WHERE THE CORNER OR INTERSECTION REINFORCEMENT SIZE AND SPACING IS NOT SHOWN, NOTED OR TABULATED ON THE PLANS, THE SIZE AND SPACING SHALL BE THE SAME AS THE WALL HORIZONTAL REINFORCEMENT SHOWN ON THE WALL SECTIONS OR AS NOTED FOR THE REINFORCEMENT BETWEEN THE CORNERS OR INTERSECTIONS.
3. EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS, THE LENGTH INDICATED AS "NOTE 3" SHALL BE THE LESSER OF L/4, 10 FEET, OR 1.0 TIMES THE HEIGHT OF THE WALL, EXCEPT THAT IN NO CASE SHALL IT BE LESS THAN A LAP LENGTH.
4. L = LENGTH OF WALL PARALLEL TO THE BAR LENGTH IN QUESTION.
5. EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS, THE LENGTH INDICATED AS "NOTE 5" SHALL BE EQUAL TO ONE "LAP LENGTH" AS REQUIRED BY THE GENERAL STRUCTURAL NOTES. USE THE LAP LENGTH AS REQUIRED FOR THE SMALLER OF THE TWO REINFORCEMENT BARS BEING SPLICED.
6. UNLESS OTHERWISE NOTED, "B" AND "C" BARS ARE THE SAME SIZE AND SPACING AND "F" AND "G" BARS ARE THE SAME SIZE AND SPACING.

TYPICAL WALL CORNER & INTERSECTION REINFORCEMENT

NTS

DETAIL 3 OF 3

0330-003



NOTES:

1. PROVIDE HORIZONTAL BARS AT 6" SPACING EACH FACE IN THE FIRST 4'-0" ABOVE ALL HORIZONTAL WALL CONSTRUCTION JOINTS IN LIQUID CONTAINING AND BELOW-GRADE STRUCTURES. WHERE TYPICAL WALL HORIZONTAL BARS ARE AT 12" SPACING, PROVIDE ADDITIONAL BARS FOR 6" SPACING.
2. HORIZONTAL BAR SIZE FOR THE 4'-0" ZONE SHALL BE THE TYPICAL WALL HORIZONTAL BAR SIZE SHOWN ON THE DRAWINGS OR THE MINIMUM BAR SIZE IN THE TABLE BELOW, WHICHEVER IS GREATER.

WALL THICKNESS (INCHES)	MINIMUM BAR SIZE
10	#5
12, 14	#6
16, 18, 20	#7
≥22	#8

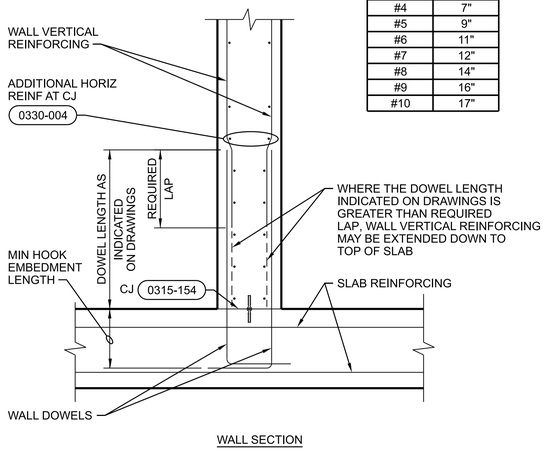
3. PROVIDE CORNER BARS AT 6" SPACING EACH FACE TO LAP WITH THE BARS SHOWN ABOVE, SEE (0330-003).

REINFORCEMENT AT HORIZONTAL CONSTRUCTION JOINT

NTS

0330-004

ACI MINIMUM HOOK EMBEDMENT LENGTH	
BAR SIZE	MIN EMBED
#4	7"
#5	9"
#6	11"
#7	12"
#8	14"
#9	16"
#10	17"



WALL SECTION

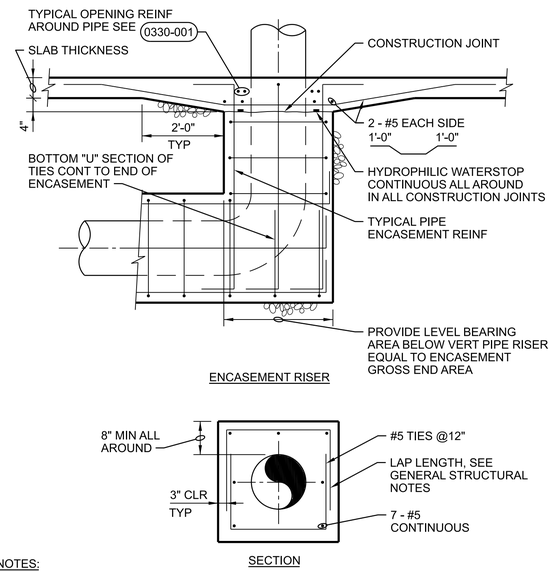
NOTES:

1. UNLESS NOTED OTHERWISE, ALL DOWEL HOOKS SHALL EXTEND TO AND BE TIED OFF TO BOTTOM MAT OF SLAB REINFORCING.

VERTICAL WALL REINFORCING / DOWEL PLACEMENT

NTS

0330-005



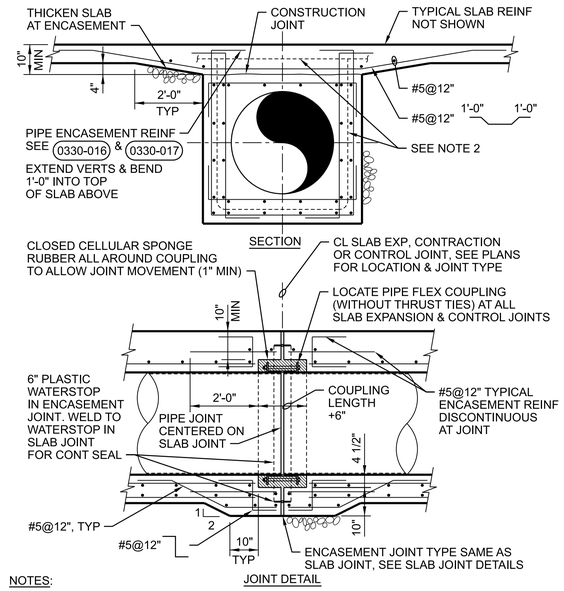
NOTES:

1. SECTION APPLIES TO PIPES W/ DIAMETERS 18" AND SMALLER. FOR 20" DIAMETER PIPES AND LARGER, SEE (0330-017)

PIPE ENCASEMENT

NTS

0330-016



NOTES:

1. TIE PIPE ENCASEMENT TO SLAB AS SHOWN WHEN DISTANCE BETWEEN PIPE ENCASEMENT AND BOTTOM OF SLAB IS LESS THAN 4".
2. 6" PLASTIC WS IN ENCASEMENT JOINTS. WELD TO WS IN SLAB JOINTS.

PIPE ENCASEMENT AT SLAB

NTS

0330-018

BENJAMIN MICHAEL BLASEN
STATE OF WASHINGTON
22966
REGISTERED
PROFESSIONAL ENGINEER

NO.	DATE	DSGN	DR	CHK	APVD
REVISION		K MILAJ	A GAWOR	B BLASEN	B FULLER
DIGITALLY STAMPED 02/09/2026					

©JACOBS 2026. ALL RIGHTS RESERVED.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

STANDARD DETAILS

STRUCTURAL
STANDARD DETAILS - 3

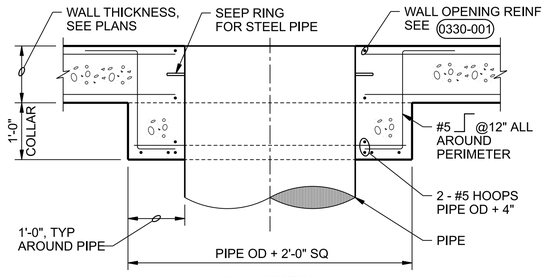
ISSUED FOR CONSTRUCTION

VERIFY SCALE

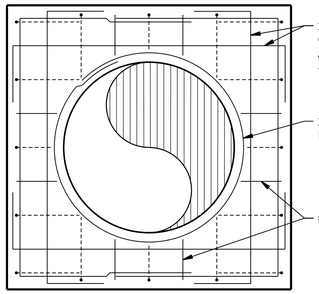
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-513
SHEET	58 of 71

FILENAME: 99-S-513_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



PLAN/SECTION

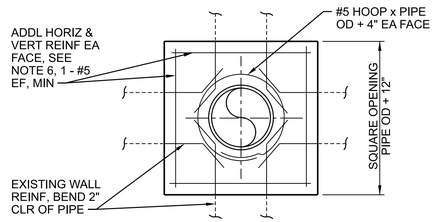


ELEVATION

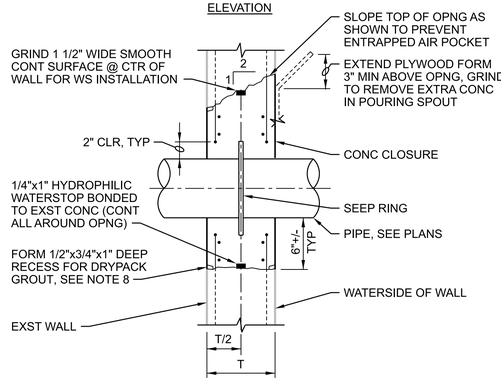
PIPE COLLAR

NTS

0330-021



ELEVATION



SECTION

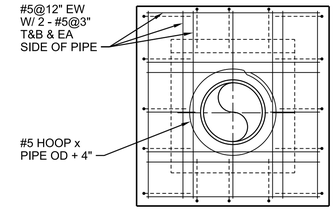
TYPE 'A' - WITHOUT CLOSURE COLLAR

PIPE PENETRATION - EXISTING WALL

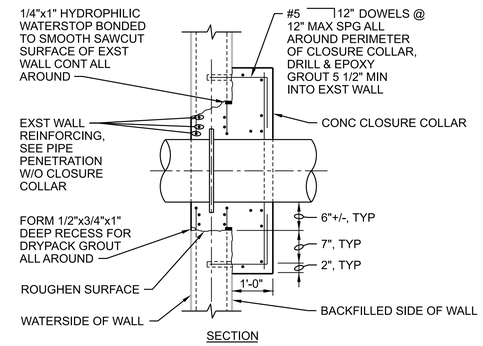
NTS

DETAIL 1 OF 3

0330-022



ELEVATION



SECTION

TYPE 'B' - WITH CLOSURE COLLAR

PIPE PENETRATION - EXISTING WALL

NTS

DETAIL 2 OF 3

0330-022

NOTES:

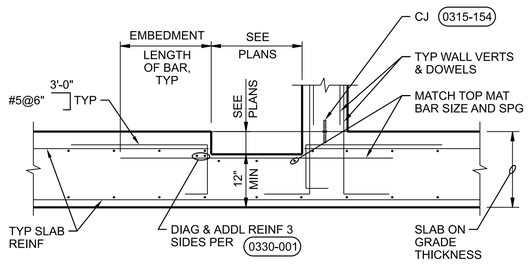
1. SAW-CUT 1-INCH DEEP x PIPE OD + 12" SQUARE SCORE LINE ON EACH FACE OF WALL. (VERIFY DEPTH OF CUT TO CLEAR REINFORCING.) (INCREASE HEIGHT AS NOTED AT TOP ON WATERSIDE FACE FOR POURING.)
2. CHIP TO REMOVE THE CONCRETE WITHIN THE SCORE LINE, WHILE PRESERVING THE EXISTING WALL REINFORCING.
3. CUT EXISTING REINFORCING AT CENTER OF OPENING AND BEND TO CLEAR PIPE.
4. GRIND 1 1/2" WIDE x CONT SMOOTH SURFACE ALL AROUND THE OPENING AT CENTER OF WALL. CLEAN SURFACES AND BOND CONTINUOUS HYDROPHILIC WATERSTOP IN PLACE.
5. INSTALL WALL PIPE. (COAT CONCRETE ENCASED PORTION OF PIPE WITH SPECIFIED COATING SYSTEM.)
6. INSTALL ADDITIONAL REINFORCING EACH FACE, EACH SIDE, ABOVE AND BELOW PIPE. HORIZONTAL REINFORCING TO HAVE COMBINED AREA EQUAL TO AREA OF HORIZONTAL REINFORCING CUT. VERTICAL REINFORCING TO HAVE COMBINED AREA EQUAL TO AREA OF VERTICAL REINFORCING CUT.
7. SOAK CONCRETE SURFACES AND WITHIN 15-MINUTES CAST CONCRETE CLOSURE. (CONCRETE CLOSURE MUST BE CAST BEFORE HYDROPHILIC WATERSTOP EXPANDS). FORM GROOVE ON ALL SIDES OF OPENING EXCEPT AT TOP ON THE POUR SIDE.
8. CLEAN SURFACES OF FORMED GROOVE WITH POWER WIRE BRUSH OR SANDBLASTING AND DRY-PACK WITH NON-SHRINK GROUT AFTER NEW CONCRETE MIN 28-DAYS OLD.

PIPE PENETRATION - EXISTING WALL

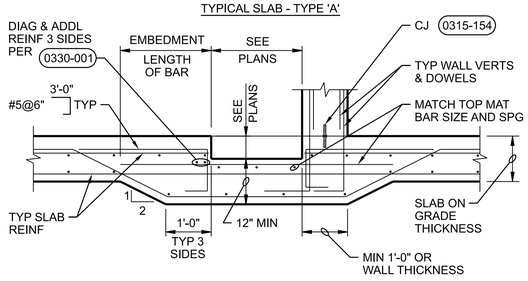
NTS

DETAIL 3 OF 3

0330-022



TYPICAL SLAB - TYPE 'A'



THICKENED SLAB - TYPE 'B'

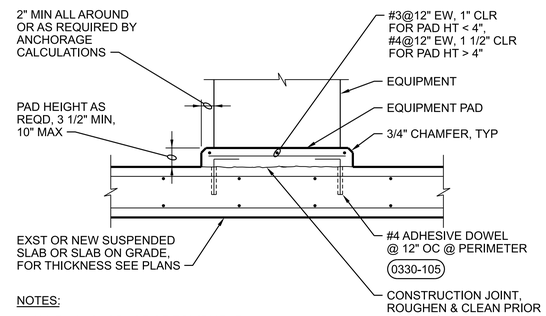
NOTES:

1. REBAR LOCATION SHALL ACCOMMODATE GRATING CONNECTIONS WHERE REQUIRED. SEE DETAIL 0553-001

IN-SLAB SUMP REINFORCEMENT

NTS

0330-044



NOTES:

1. WHEN ANCHORAGE OF EQUIPMENT TO PAD IS REQUIRED, USE CONCRETE ANCHORS SPECIFIED.
2. CONCRETE PADS FOR ELECTRICAL EQUIPMENT SHALL BE 3 1/2" HIGH, UNLESS NOTED OTHERWISE.

TYPE 'E'

GENERAL NOTE:

FOR GENERAL NOTES SEE DETAIL 3 OF 3.

CONCRETE EQUIPMENT PAD - TYPE 'E'

NTS

DETAIL 1 OF 3

0330-056

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25615 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DR	CHK	APVD	BY	REVISION
DSGN	K MILAJ	A GAWOR	B BLASEN	APVD	B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

STANDARD DETAILS
STRUCTURAL
STANDARD DETAILS - 4

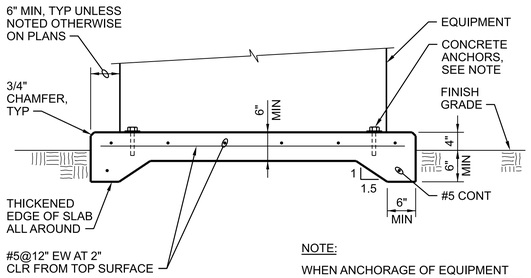
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-514
SHEET	59 of 71

FILENAME: 99-S-514_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



NOTE:

WHEN ANCHORAGE OF EQUIPMENT TO PAD IS REQUIRED, USE CONCRETE ANCHORS SPECIFIED.

TYPE 'G'

GENERAL NOTE:
FOR GENERAL NOTES SEE DETAIL 3 OF 3.

CONCRETE EQUIPMENT PAD - TYPE 'G'
NTS

DETAIL 2 OF 3

0330-056

NOTES:

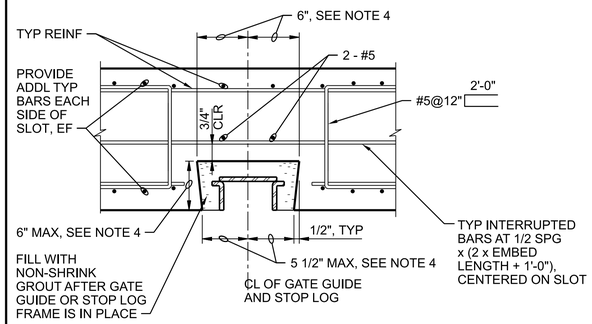
1. PAD SIZE SHALL BE MINIMUM INDICATED OR AS SHOWN ON THE PLANS OR AS INDICATED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.
2. THE SIZE, NUMBER, TYPE, LOCATION, AND THREAD PROJECTION OF THE ANCHOR BOLTS SHALL BE DETERMINED BY THE EQUIPMENT MANUFACTURER AND AS APPROVED BY THE ENGINEER. ANCHOR BOLTS SHALL BE HELD IN POSITION WITH A TEMPLATE OR OTHER ACCEPTABLE MEANS, MATCHING THE BASE PLATE, WHILE PAD IS BEING PLACED.
3. ANCHOR BOLT SLEEVES SHALL BE USED TO PROVIDE MINIMUM ANCHOR BOLT MOVEMENT OF 1/2" IN ALL HORIZONTAL DIRECTIONS. THE MINIMUM SLEEVE LENGTH SHALL BE 8 TIMES THE BOLT DIAMETER.
4. ANCHOR BOLT SLEEVES SHALL HAVE A MINIMUM INTERNAL DIAMETER 1" GREATER THAN BOLT DIAMETER AND A MAXIMUM INTERNAL DIAMETER 3" GREATER THAN ANCHOR BOLT DIAMETER. SLEEVES SHALL BE FILLED WITH NON-SHRINK GROUT AFTER BOLTS ARE ALIGNED. SEE (0330-057)
5. EQUIPMENT BASES SHALL BE INSTALLED LEVEL UNLESS INDICATED OTHERWISE.
6. WEDGES, SHIMS, OR LEVELING NUTS SHALL BE USED TO SUPPORT THE BASE WHILE THE GROUT IS PLACED. WEDGES OR SHIMS SHALL BE REMOVED AFTER GROUT IS SET AND PACK VOID WITH GROUT.
7. HEIGHT OF PADS SHALL BE MINIMUM REQUIRED FOR ANCHOR BOLT CLEARANCE TO KEEP ANCHOR BOLT ABOVE SUPPORTING SLAB (SEE TABLE BELOW). WHERE EQUIPMENT OR PIPING ELEVATION REQUIRE A PAD HEIGHT LESS THAN THE MINIMUM SHOWN, USE TYPE "B" EQUIPMENT PAD WITH BLOCKOUT.
8. TYPE "D" PAD SHALL BE USED ONLY WHERE SPECIFICALLY INDICATED. PLACE THE SURROUNDING FLOOR SLAB AFTER THE EQUIPMENT PAD.
9. AT CONTRACTOR'S OPTION, CONCRETE ANCHORS MAY BE USED IN LIEU OF CAST-IN-PLACE ANCHOR BOLTS FOR EQUIPMENT ANCHOR BOLTS LESS THAN 3/4" DIAMETER WHEN APPROVED BY THE EQUIPMENT MANUFACTURER AND APPROVED BY THE ENGINEER. ANCHORS SHALL BE INSTALLED WITH 4" MINIMUM EDGE DISTANCE IN EACH DIRECTION.

AB DIA (IN.)	1/2	5/8	3/4	7/8	1	1 1/4	1 3/8	1 1/2	1 3/4	2
MIN PAD HT (IN.)	7	8 1/2	10	11	12 1/2	15	16 1/2	18	21	24

CONCRETE EQUIPMENT PAD - NOTES
NTS

DETAIL 3 OF 3

0330-056



PLAN

(BASE SLAB SECTION SIMILAR)

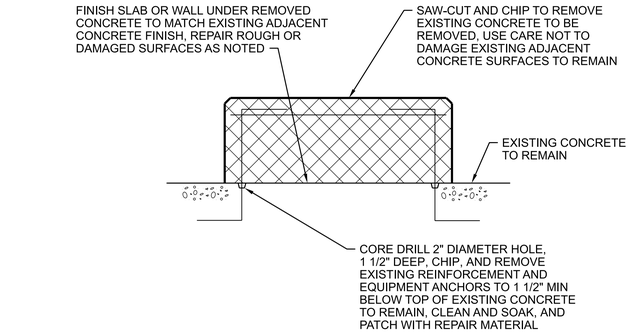
FLUSH BLOCKOUT

NOTES:

1. FLUSH BLOCKOUT TYPICAL UNLESS OTHERWISE NOTED OR SHOWN ON PLANS.
2. REINFORCEMENT DETAILS ARE FOR BLOCKOUT AT STRAIGHT RUN WALL. MODIFY TO FIT CONDITIONS OF WALL SHOWN ON PLANS.
3. WALL BLOCKOUT SHOWN. BLOCKOUT CONTINUES THROUGH CHANNEL BASE SLAB. REINFORCE BASE SLAB SIMILARLY.
4. VERIFY WITH MANUFACTURER AND COORDINATE GATE GUIDES AND STOP LOGS WITH DETAIL (3520-280), (3520-281), AND (3580-282).

BLOCKOUT FOR STOP LOG OR GATE GUIDE
NTS

0330-076

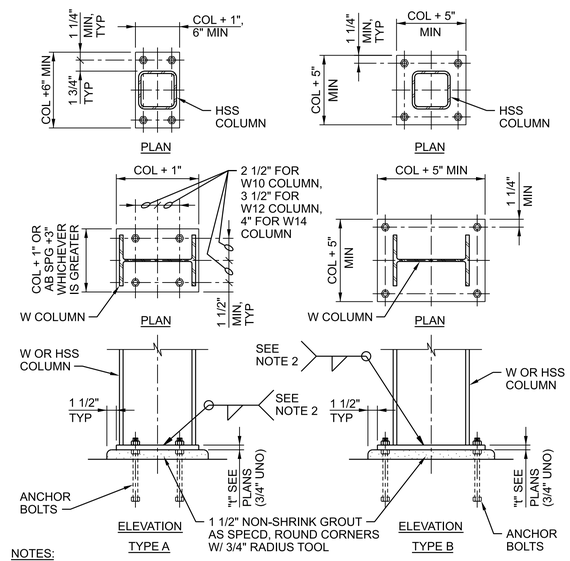


NOTES:

1. REMOVE CONCRETE OUT TO SOUND CONCRETE.
2. IF CHIPPING INTO THE SURFACE OF THE EXISTING SLAB OR WALL TO REMAIN IS REQUIRED, MAKE EDGES PERPENDICULAR TO THE SURFACE. DO NOT FEATHER EDGES.
3. FILL DEFECTIVE AREA WITH AN APPROVED PREPACKAGED REPAIR MATERIAL TO MATCH APPEARANCE OF ADJACENT CONCRETE SURFACES.
4. USE APPROVED BONDING AGENT ON SURFACES TO BE PATCHED PRIOR TO PLACING REPAIR MATERIAL.
5. DEMONSTRATE METHODS FOR REPAIR USING ACTUAL MATERIALS, METHODS, AND CURING PROCEDURES REQUIRED BY MATERIAL MANUFACTURERS. CONSULT WITH BONDING AGENT MANUFACTURER AND REPAIR MATERIAL MANUFACTURER ON TECHNIQUES.

CONCRETE DEMOLITION
NTS

0330-143

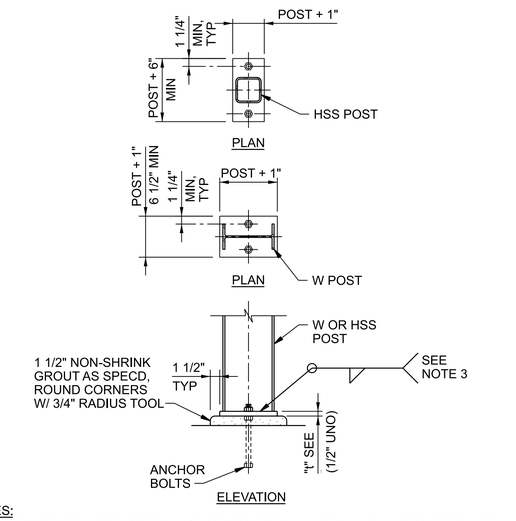


NOTES:

1. UNLESS OTHERWISE NOTED, ANCHOR BOLTS SHALL BE 3/4" DIA x REQUIRED WITH LEVELING NUTS AND 1'-0" MINIMUM EMBED AND BASEPLATES SHALL BE CENTERED ON COLUMN.
2. WELD SIZE SHALL BE DETERMINED BY THE THICKEST MEMBER JOINED; MINIMUM WELD SIZE SHALL BE 3/16" FILLET FOR MATERIAL THICKNESSES UP TO AND INCLUDING 1/2", 1/4" FILLET FOR THICKNESSES OVER 1/2" TO 3/4", AND 5/16" FILLET FOR MATERIAL THICKNESSES OVER 3/4". ALL WELDS SHALL BE SINGLE-PASS WELDS.

COLUMN BASE - STEEL
NTS

0512-001



NOTES:

1. UNLESS OTHERWISE NOTED, ANCHOR BOLTS SHALL BE 3/4" DIA x REQUIRED WITH LEVELING NUTS AND 1'-0" MINIMUM EMBED AND BASEPLATES SHALL BE CENTERED ON POSTS.
2. USE OF 2 - BOLT STEEL POST BASEPLATE ANCHORAGE DETAIL SHOWN SHALL BE LIMITED TO STEEL SUPPORT MEMBERS WEIGHING LESS THAN 300 LBS IN ACCORDANCE WITH OSHA STANDARDS.
3. WELD SIZE SHALL BE DETERMINED BY THE THICKEST MEMBER JOINED; MINIMUM WELD SIZE SHALL BE 3/16" FILLET FOR MATERIAL THICKNESSES UP TO AND INCLUDING 1/2", 1/4" FILLET FOR THICKNESSES OVER 1/2" TO 3/4", AND 5/16" FILLET FOR MATERIAL THICKNESSES OVER 3/4". ALL WELDS SHALL BE SINGLE-PASS WELDS.

POST BASE - STEEL
NTS

0512-002

BENJAMIN MICHAEL BLASEN, STATE OF WASHINGTON, 25615, REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		K MILAJ	A GAWOR	B BLASEN	B FULLER		

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

STANDARD DETAILS

STRUCTURAL
STANDARD DETAILS - 5

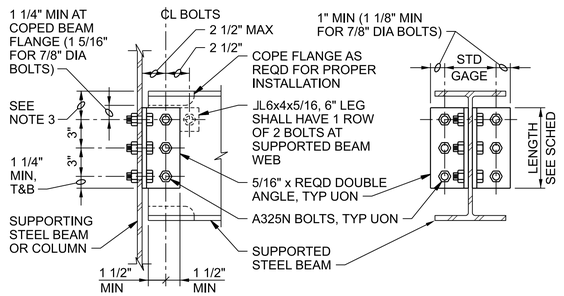
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-515
SHEET	60 of 71

FILENAME: 99-S-515_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



NOMINAL BEAM DEPTH, INCHES	ROWS OF BOLTS	BOLT DIA, INCHES	DOUBLE ANGLE, LENGTH, INCHES	COMMENTS
36	10	7/8"	2'-6"	ANGLE THK = 3/8"
33	9	7/8"	2'-3"	ANGLE THK = 3/8"
30	8	7/8"	2'-0"	ANGLE THK = 3/8"
27	7	3/4"	1'-8 1/2"	-
24	6	3/4"	1'-5 1/2"	-
21	5	3/4"	1'-2 1/2"	-
16-18	4	3/4"	0'-11 1/2"	-
12-15	3	3/4"	0'-8 1/2"	-
8-10	2	3/4"	0'-5 1/2"	-
6	1	3/4"	0'-3"	JL 6"x4"x5/16"
4	1	3/4"	0'-2 1/2"	JL 6"x4"x5/16"

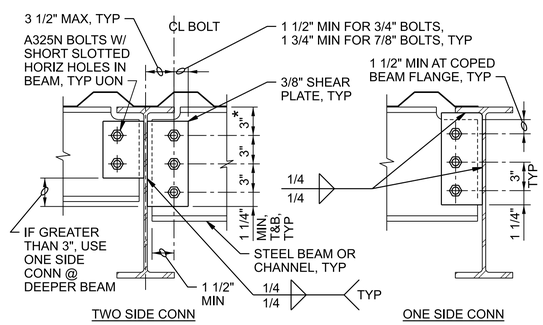
NOTES:

1. ALL BEAM FRAMING CONNECTIONS SHALL CONFORM TO THIS DETAIL UNLESS SPECIFICALLY NOTED OTHERWISE OR APPROVED IN WRITING BY THE ENGINEER.
2. PROVIDE ADDITIONAL 1 1/2" LENGTH TO DOUBLE ANGLE FOR STAGGERED BOLT CONNECTIONS WHEN REQUIRED OR USED.
3. DIMENSION SHALL BE 3" UNLESS OTHERWISE REQUIRED FOR PROPER FABRICATION.

TYPICAL BEAM CONNECTION - STEEL

NTS

0512-020



NOMINAL BEAM DEPTH, INCHES	ROWS OF BOLTS	BOLT DIA, INCHES	LENGTH OF SHEAR PLATE
27	8	7/8"	2'-0"
24	7	3/4"	1'-8 1/2"
21	6	3/4"	1'-5 1/2"
18	5	3/4"	1'-2 1/2"
16	4	3/4"	11 1/2"
12-15	3	3/4"	8 1/2"
8-10	2	3/4"	5 1/2"

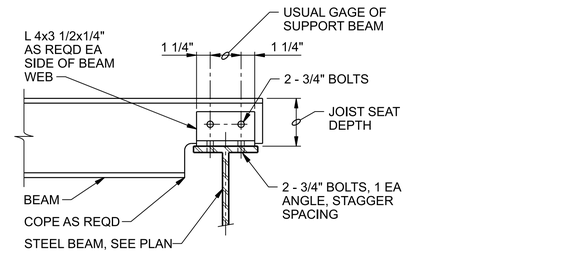
NOTES:

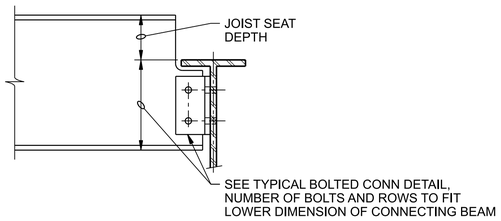
1. THIS DETAIL APPLIES ONLY WHERE SPECIFICALLY SHOWN ON DRAWINGS.
2. CONNECTION DETAIL SHOWN APPLICABLE ONLY TO BEAMS BRACED BY METAL DECK (COMPOSITE OR NON-COMPOSITE); FOR OTHER BEAM FRAMING CONDITIONS, SEE DETAIL (0512-020)
3. (*) DIMENSION SHALL BE 3" UNLESS OTHERWISE REQUIRED FOR PROPER FABRICATION.

BEAM SINGLE PLATE SHEAR CONNECTION - STEEL

NTS

0512-022

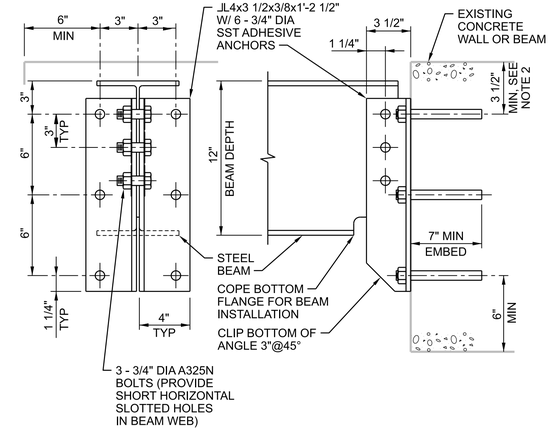




COPED BEAM CONNECTION - STEEL

NTS

0512-026



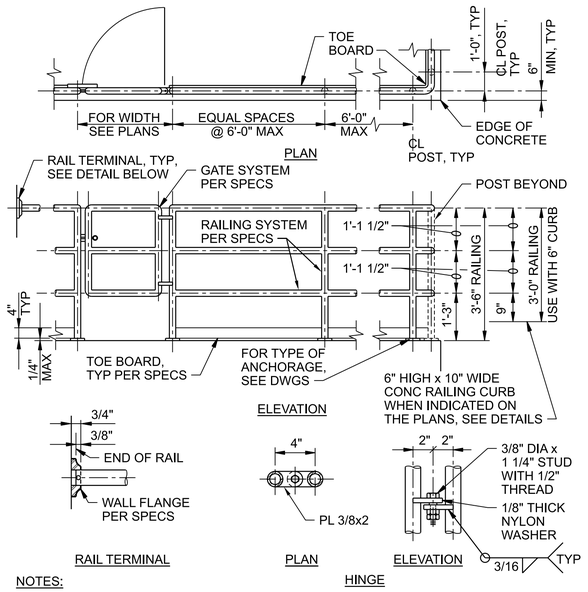
NOTES:

1. 3" DIMENSION TYPICAL EXCEPT 2 1/2" FOR 5" BEAMS AND 2" FOR 4" BEAMS.
2. DO NOT CUT EXISTING CONCRETE BEAM TOP REINFORCING DURING DRILL-IN ANCHOR INSTALLATION. FIELD LOCATE BEAM REINFORCING PRIOR TO FABRICATION WITH GROUND PENETRATING RADAR OR OTHER ACCEPTABLE MEANS. ADD LENGTH TO CLIP ANGLES AS REQUIRED TO LOWER ANCHORS TO CLEAR REINFORCING WHILE MAINTAINING SPACING AND EDGE DISTANCE AS SHOWN.
3. WHERE BOTH ENDS OF BEAM ARE ATTACHED TO A WALL, PROVIDE LONG HORIZONTALLY SLOTTED HOLES IN BEAM WEB AT ONE END. TIGHTEN NUTS SNUG TIGHT, BACK OFF 1/2 TURN, AND LOCK WITH DOUBLE NUT.

BEAM / WALL CONNECTION - STEEL

NTS

0512-056



NOTES:

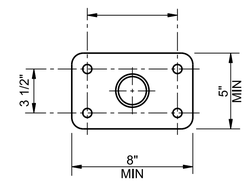
1. FASTEN RAIL TO WALL FLANGE PER MANUFACTURER'S RECOMMENDATIONS.
2. WALL FLANGE TO BE MOUNTED TO WALL WITH (2) 3/8" DIA SST WEDGE ANCHORS.
3. AT CONTRACTOR'S OPTION FABRICATE HINGES OR PROVIDE OTHER HINGES PER SPECIFICATIONS. ANODIZE FINISH AFTER ALL WELDING PER SPECIFICATIONS.

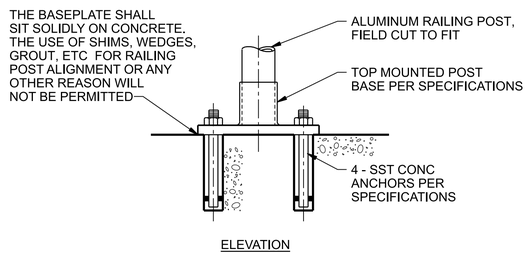
RAILING - 3 RAIL - ALUMINUM

NTS

DETAIL 1 OF 3

0552-001





NOTES:

1. PROVIDE PROTECTION FOR DISSIMILAR METALS AND FOR ALUMINUM IN CONTACT WITH CONCRETE PER SPECIFICATIONS.

RAILING POST ANCHORAGE TYPE 'A' - ALUMINUM

NTS

DETAIL 2 OF 3

0552-001

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 24861 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

NO.	DATE	DR	CHK	APVD	REVISION	BY	APVD
DSGN	K MILAJ	A GAWOR	B BLASEN			B FULLER	

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

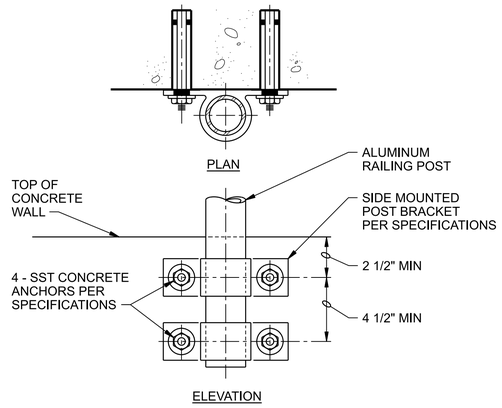
STANDARD DETAILS
STRUCTURAL
STANDARD DETAILS - 6

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-516
SHEET	61 of 71

FILENAME: 99-S-516_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



TYPE 'B'

NOTES:

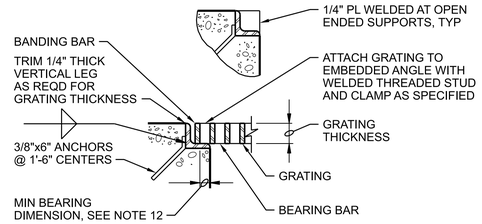
1. PROVIDE PROTECTION FOR DISSIMILAR METALS AND FOR ALUMINUM IN CONTACT WITH CONCRETE PER SPECIFICATIONS.
2. USE SIDE MOUNTED POST BRACKET AS A TEMPLATE FOR THE ANCHOR BOLTS.

RAILING POST ANCHORAGE TYPE 'B' - ALUMINUM

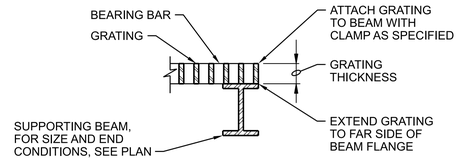
NTS

DETAIL 3 OF 3

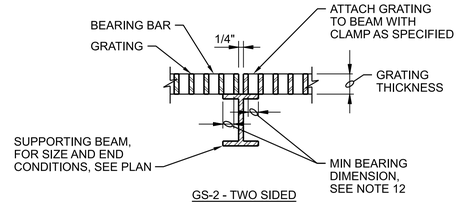
0552-001



GS-1



GS-2 - ONE SIDED



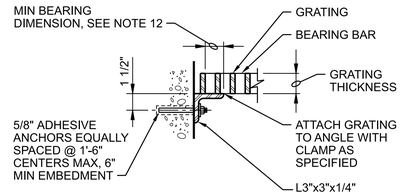
GS-2 - TWO SIDED

STANDARD GRATING

NTS

DETAIL 1 OF 5

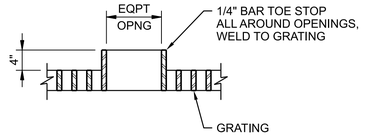
0553-001



NOTES:

1. USE GS-3 ONLY FOR LIGHT DUTY GRATING, TYPE 'A'.
2. INSTALL ANCHORS MAXIMUM 4" FROM EACH END.
3. WHEN ANCHOR IS WITHIN 4" OF A CONCRETE EDGE, UTILIZE MANUFACTURER'S LOW-TORQUE INSTALLATION PROCEDURES.

GS-3



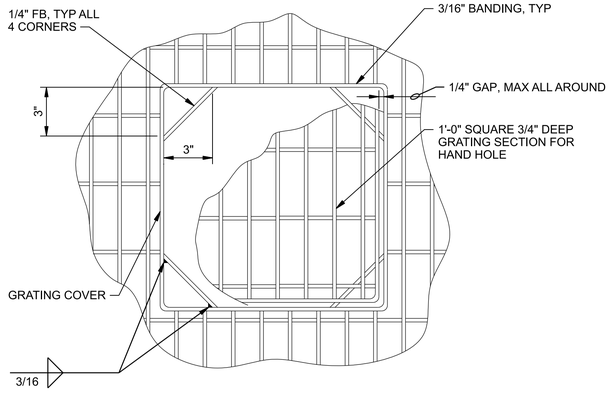
EQUIPMENT OPENINGS

STANDARD GRATING

NTS

DETAIL 2 OF 5

0553-001



GRATING HAND HOLE DETAIL

STANDARD GRATING

NTS

DETAIL 3 OF 5

0553-001

GENERAL NOTES:

1. GRATING SHALL BE LIGHT DUTY GRATING UNLESS OTHERWISE NOTED ON DRAWINGS.
2. GRATING SPAN IS INDICATED BY ◄——►, SEE PLAN.
3. INDIVIDUAL GRATING SECTIONS SHALL NOT EXCEED 3'-0" IN WIDTH OR WEIGH MORE THAN 150 POUNDS, UNLESS INDICATED OTHERWISE, FOR TYPES 'A' & 'B' GRATING. TYPE 'C' GRATING SHALL HAVE A MINIMUM WIDTH OF 2'-0" REGARDLESS OF WEIGHT.
4. SHOP DRAWINGS BASED ON FIELD DIMENSIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION.
5. MATERIAL FOR SUPPORTS OF STEEL AND ALUMINUM GRATING TO BE SAME AS GRATING, EXCEPT METAL SUPPORTS THAT ARE TO BE EMBEDDED IN CONCRETE SHALL BE TYPE 316 STAINLESS STEEL.
6. UNLESS NOTED OTHERWISE ON PLANS, GRATING THICKNESS SHALL BE AS TABULATED IN "GRATING THICKNESS TABLE" FOR APPLICABLE GRATING TYPE.
7. FOR SERRATED BEARING BARS, INCREASE GRATING THICKNESSES SHOWN IN TABLES BY 1/4".
8. BEARING BAR THICKNESS FOR GRATING TO BE 3/16" MINIMUM. SEE SPECIFICATIONS FOR SPACING OF BEARING AND CROSS BARS.
9. BAND ALL EDGES. MATCH DEPTH OF BEARING BAR.
10. TYPE OF MATERIAL USED SHALL BE AS SHOWN ON PLANS OR AS SPECIFIED. THIS STANDARD DETAIL INCLUDES 2 TYPES, ALTHOUGH BOTH MAY NOT BE INCLUDED IN PROJECT.
11. THE HORIZONTAL CLEARANCE BETWEEN THE GRATING AND GRATING SUPPORTS SHALL NOT BE LESS THAN 1/4" NOR GREATER THAN 1/2" AND AS SPECIFIED.
12. MINIMUM BEARING HORIZONTAL DIMENSION = 1" FOR GRATING DEPTH 2 1/4" OR LESS. MINIMUM BEARING HORIZONTAL DIMENSION = 2" FOR GRATING DEPTH GREATER THAN 2 1/4".

STANDARD GRATING

NTS

DETAIL 4 OF 5

0553-001

LIGHT DUTY GRATING
TYPE 'A'
(100 PSF)

GRATING THICKNESS TABLE

MAXIMUM SPAN	STEEL	ALUMINUM
3'-6"	1"	1 1/4"
4'-0"	1"	1 1/2"
4'-6"	1"	1 3/4"
5'-0"	1 1/4"	1 3/4"
5'-6"	1 1/4"	2"
6'-0"	1 1/2"	2 1/4"
6'-6"	1 1/2"	2 1/4"
7'-0"	1 3/4"	2 1/2"

MEDIUM DUTY GRATING
TYPE 'B'
(500 PSF)

GRATING THICKNESS TABLE

MAXIMUM SPAN	STEEL	ALUMINUM
< 2'-0"	1"	1"
2'-6"	1"	1 1/4"
3'-0"	1 1/4"	1 1/2"
3'-6"	1 1/4"	1 3/4"
4'-0"	1 1/2"	2"
4'-6"	1 3/4"	2 1/4"
5'-0"	1 3/4"	2 1/2"
5'-6"	2"	DO NOT USE ALUMINUM GRATING
6'-0"	2 1/4"	
6'-6"	2 1/2"	

HEAVY DUTY GRATING
TYPE 'C'
(H 20 WHEEL LOAD)

GRATING THICKNESS TABLE

MAXIMUM SPAN	STEEL	ALUMINUM
1'-0"	2"x3/16"	DO NOT USE ALUMINUM GRATING
1'-8"	2 1/2"x1/4"	
2'-0"	2 1/2"x3/8" OR 3"x1/4"	
2'-6"	3"x3/8" OR 4"x1/4"	
3'-3"	3 1/2"x3/8"	
4'-0"	4"x3/8"	
5'-0"	4 1/2"x3/8"	

STANDARD GRATING

NTS

DETAIL 5 OF 5

0553-001

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 19515 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		K MILAJ	A GAWOR	B BLASEN		B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

STANDARD DETAILS
STRUCTURAL
STANDARD DETAILS - 7

ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-517
SHEET	62 of 71

FILENAME: 99-S-517_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32

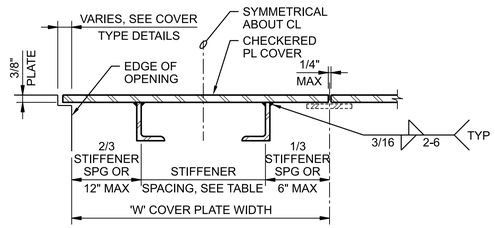


TABLE			
OPENING SPAN LENGTH 'L'	STIFFENER SIZE	MAX STIFFENER SPACING	MAX PLATE WIDTH 'W'
L<2'-6"	NONE	-	5'-0"
2'-6"≤L<3'-6"	L2x1 1/2x1/4	1'-6"	4'-0"
3'-6"≤L<4'-0"	L2 1/2x1 1/2x1/4	1'-6"	4'-0"
4'-0"≤L<4'-6"	L2 1/2x1 1/2x1/4	1'-3"	4'-0"
4'-6"≤L<5'-0"	L3x2x1/4	1'-6"	4'-0"
5'-0"≤L<5'-6"	L3x2x1/4	1'-3"	3'-0"
5'-6"≤L<6'-0"	L3 1/2x2 1/2x1/4	1'-6"	3'-0"
6'-0"≤L<6'-6"	L3 1/2x2 1/2x1/4	1'-3"	2'-6"
6'-6"≤L<7'-0"	L4x3x1/4	1'-3"	2'-6"
7'-0"≤L<7'-6"	L4x3x1/4	1'-0"	2'-0"

NOTES:
1. STIFFENERS TO BE PLACED LONG LEG VERTICAL.
2. SPAN DIRECTION OF PLATE TO BE PARALLEL TO STIFFENERS, AND SHALL BE SHORT DIMENSION OF OPENING UNLESS NOTED OTHERWISE ON PLANS.
3. MAXIMUM ALLOWABLE UNIFORM DESIGN LOAD = 300psf.
4. MAXIMUM WEIGHT OF COVER PLATE TO BE 125 POUNDS.
5. COVER PLATES AND STIFFENERS ARE ALUMINUM PLATES AND ANGLES.
6. ALL COVER PLATES TO HAVE A MINIMUM OF TWO EYES AS SHOWN IN LIFTING EYE DETAILS.

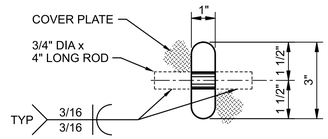
COVER STIFFENERS

CHECKERED FLOOR PLATE - ALUMINUM

NTS

DETAIL 1 OF 4

0554-001



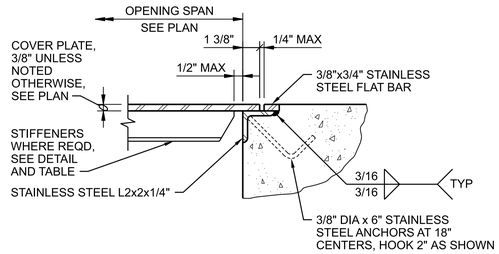
LIFTING EYE TYPE 'A'

CHECKERED FLOOR PLATE - ALUMINUM

NTS

DETAIL 2 OF 4

0554-001



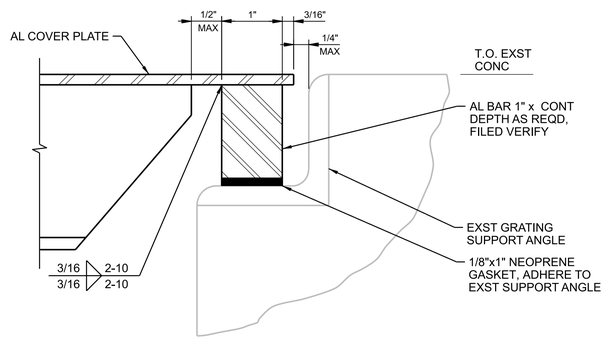
COVER TYPE 'A'

CHECKERED FLOOR PLATE - ALUMINUM

NTS

DETAIL 3 OF 4

0554-001



MODIFIED COVER SUPPORT

NOTES:

1. VERIFY EXISTING GRATING SUPPORT EMBED CONDITIONS PRIOR TO FABRICATION.
2. COVER PLATE BEARING EDGE CONDITION SHOWN. PARALLEL SUPPORT CONDITION SIMILAR.

CHECKERED FLOOR PLATE - ALUMINUM

NTS

DETAIL 4 OF 4

0554-001

BENJAMIN MICHAEL BLASEN — STATE OF WASHINGTON — 25031 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 02/09/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
	K MILAJ		A GAWOR	B BLASEN		B FULLER	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

STANDARD DETAILS

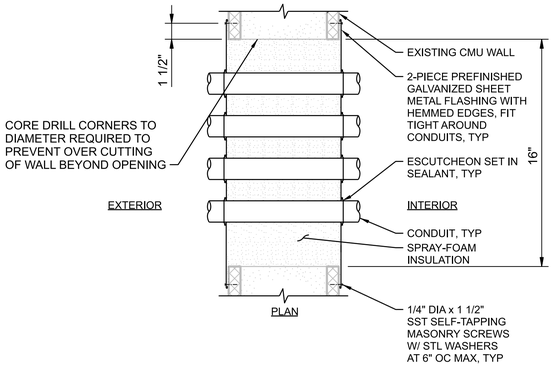
STRUCTURAL
STANDARD DETAILS - 8

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

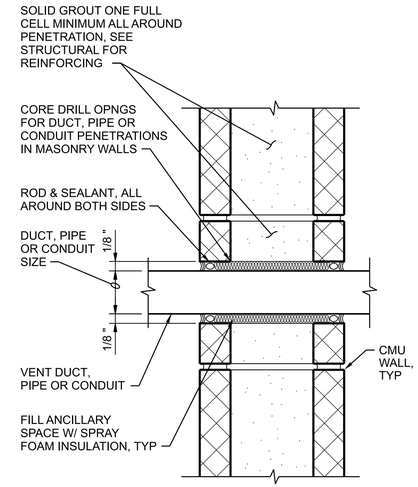
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-S-518
SHEET	63 of 71

FILENAME: 99-S-518_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



CONDUIT PENETRATION CLOSURE
NTS

0420-105

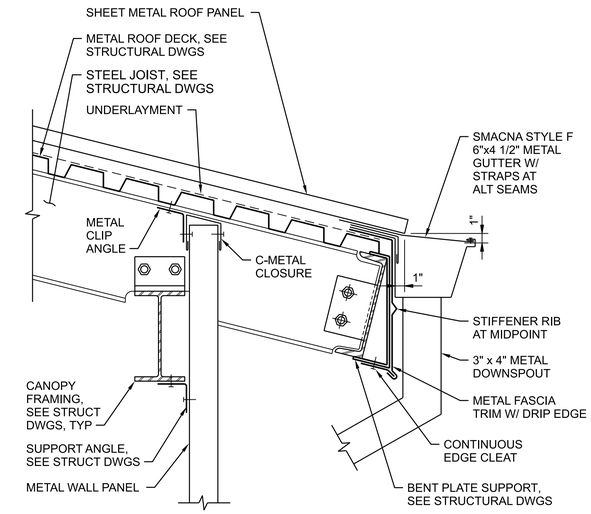


NOTES:

1. FOR TYPICAL WALL COMPONENT NOTES, SEE 0422-102

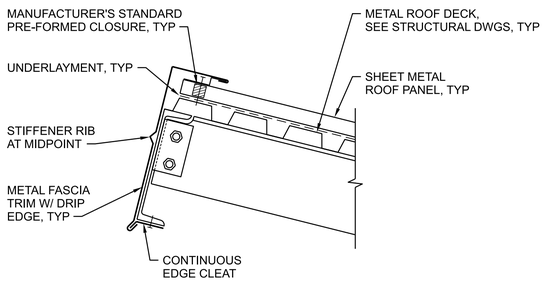
WALL PENETRATION
NTS

0422-105



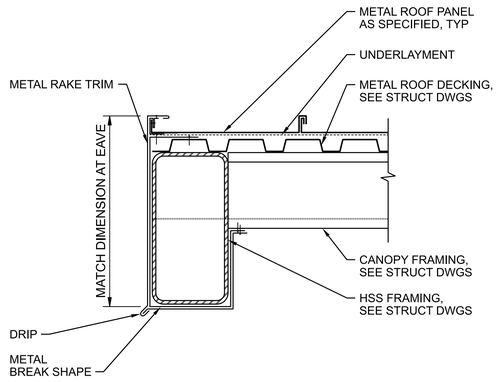
LOW EAVE
NTS

0762-006



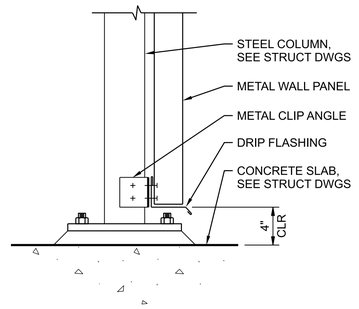
HIGH EAVE
NTS

0762-007



RAKE
NTS

0762-008



BASE OF WALL
NTS

0762-009

REGISTERED ARCHITECT
10974
MATTHEW KIRKPATRICK
STATE OF WASHINGTON

DIGITALLY STAMPED: 2/10/2026

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
REVISION		M KIRKPATRICK	A GAWOR	G KIRSTEN		B FULLER	

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

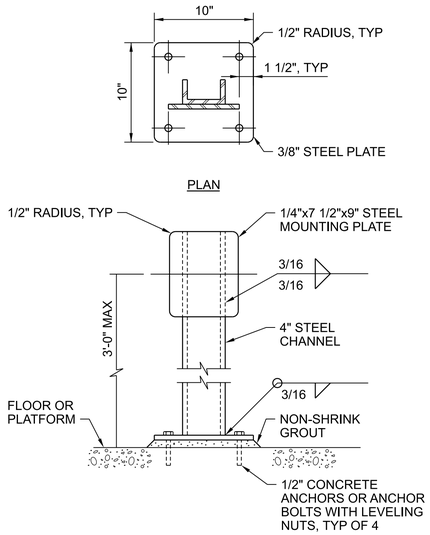
STANDARD DETAILS
ARCHITECTURAL STANDARD DETAILS

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-A-511
SHEET	64 of 71

FILENAME: 99-A-511_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:32



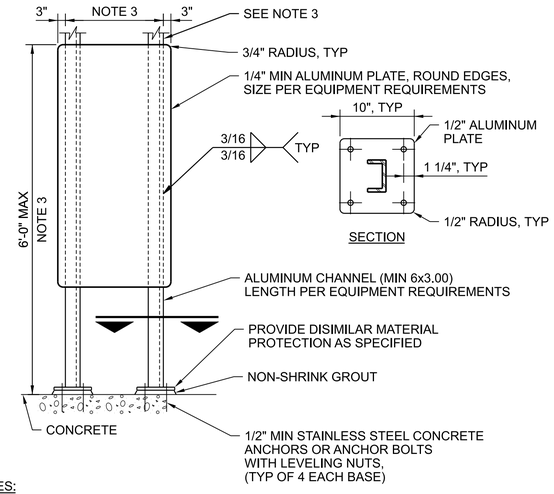
NOTES:

1. HOT-DIP GALVANIZE ASSEMBLY AFTER FABRICATION.
2. USE GALVANIZED MOUNTING HARDWARE. USE WASHERS AND SPLIT-LOCK WASHERS UNDER ALL NUTS AND BOLTS.

DEVICE MOUNTING, CONTROL STATION PEDESTAL

NTS

2605-005



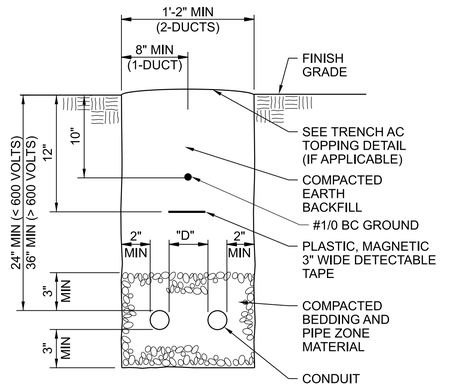
NOTES:

1. USE STAINLESS STEEL MOUNTING HARDWARE. USE WASHER AND SPLIT LOCK WASHER UNDER ALL NUTS.
2. MINIMUM COMPONENT AND CONNECTION SIZES SHOWN. FURNISH LARGER SIZES AS REQUIRED BY CALCULATIONS.
3. SUBMIT FINAL DESIGN AND CALCULATIONS FOR SUPPORT AND ANCHORAGE AS SPECIFIED.

DEVICE MOUNTING, CONTROL STATION PEDESTAL

NTS

2605-008



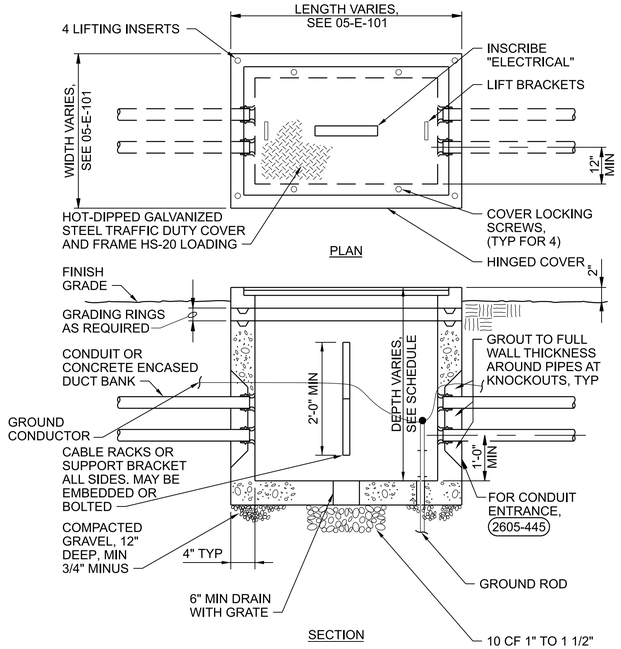
D = 3" MIN FOR 2" AND LARGER CONDUIT

D = 2" MIN FOR 1 1/2" AND SMALLER CONDUIT

TRENCH AND CONDUIT PLACEMENT

NTS

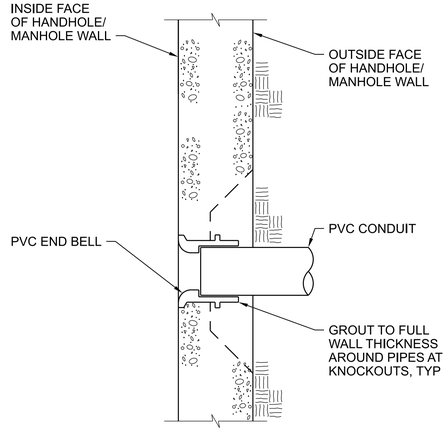
2605-423



HANDHOLE

NTS

2605-444

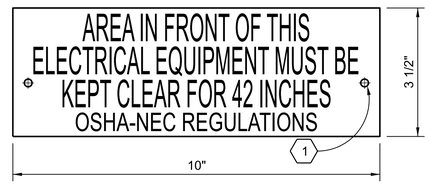


CONDUIT HANDHOLE/MANHOLE ENTRANCE

NTS

2605-445

1. 1/8" HOLE FOR POP RIVET, (TYP FOR 2).



TOP 3 ROWS: 3/4 " LETTERS
BOTTOM ROW: 1/2 " LETTERS
BLACK LETTERING ON YELLOW BACKGROUND

OSHA/NET PLACARD

NTS

2605-501

NO.	DATE	REVISION	BY	APVD
DSGN	R HARBERT	A CZAPLA	M MACROSTIE	B FULLER
DR	CHK	APVD		

DIGITALLY STAMPED: 2/9/2026

©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

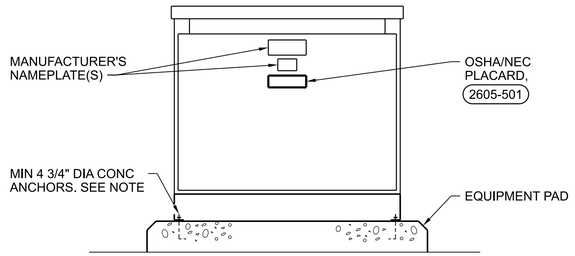
STANDARD DETAILS
ELECTRICAL
STANDARD DETAILS - 1

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-E-511
SHEET	65 of 71

FILENAME: 99-E-511_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:22



NOTES:

1. SUBMIT FINAL DESIGN AND CALCULATIONS FOR SUPPORT AND ANCHORAGE AS SPECIFIED.

TRANSFORMER MOUNTING

NTS

2622-006

NO.	DATE	REVISION	DR	CHK	APVD
DSGN	R HARBERT	A CZAPLA	M MACROSTIE	APVD	B FULLER BY

STEPHEN RYAN HARBERT WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER 25825
DIGITALLY STAMPED: 2/9/2026
©JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

ISSUED FOR CONSTRUCTION

Jacobs

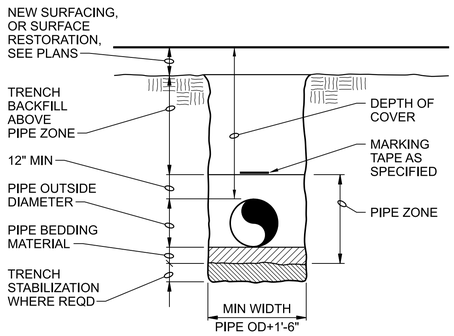
SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

STANDARD DETAILS
ELECTRICAL
STANDARD DETAILS - 2

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

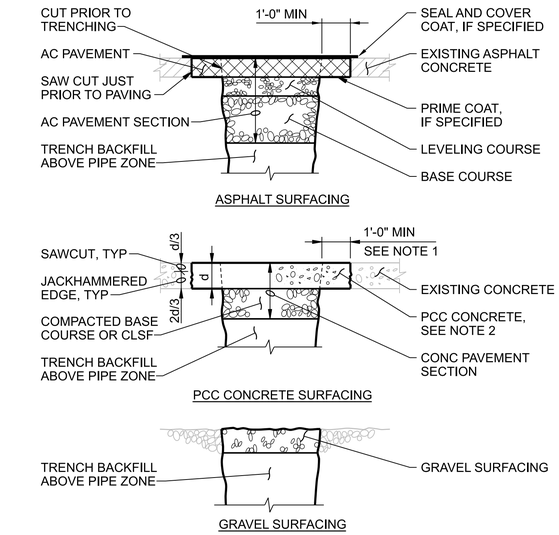
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-E-512
SHEET	66 of 71

FILENAME: 99-E-512_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 03:22



TYPICAL TRENCH
NTS

3123-110

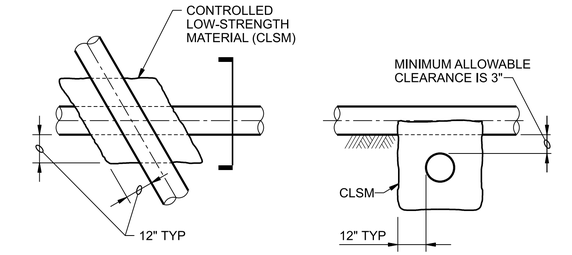


NOTES:

1. IF LOCATION OF TRENCH SAW CUT IS WITHIN 2 FEET OF AN EXISTING JOINT OR EDGE OF CONCRETE, REPLACE ENTIRE CONCRETE TO THE JOINT OR EDGE.
2. CONSTRUCT JOINTS ACROSS NEW CONCRETE TO MATCH EXISTING JOINT TYPES AND LOCATIONS.

SURFACE RESTORATION
NTS

3123-115



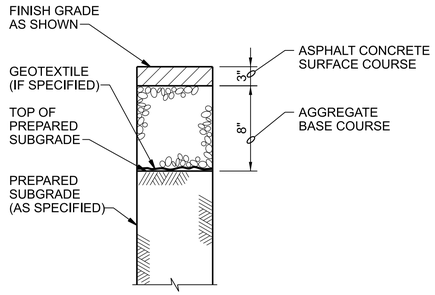
NOTES:

CLSM SUPPORT IS REQUIRED:

1. WHEN BOTH PIPELINES ARE NEW AND CLEARANCE BETWEEN THEM IS LESS THAN 12".
2. WHEN A NEW PIPELINE IS CROSSING OVER AN EXISTING PIPELINE AND THE CLEARANCE BETWEEN THEM IS LESS THAN 12".
3. AT ALL PIPE CROSSINGS WHERE A NEW PIPELINE IS CROSSING UNDER AN EXISTING PIPELINE.
4. REFER TO SPECIFICATION SECTION 31 23 23.15 FOR CLSM REQUIREMENTS.

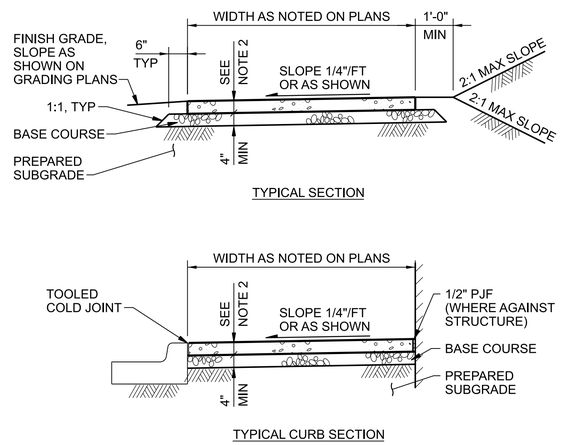
TRENCH PIPE CROSSING
NTS

3123-120



ASPHALT CONCRETE PAVEMENT
NTS

3212-210

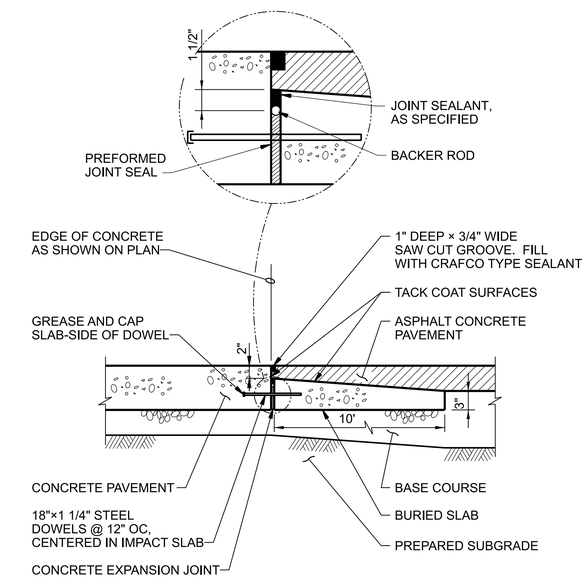


NOTES:

1. SIDEWALKS 8 FEET AND WIDER SHALL HAVE A LONGITUDINAL CONTRACTION JOINT AT THE MIDPOINT.
2. CONCRETE DEPTH FOR STANDARD SIDEWALKS SHALL BE NOMINAL 4" MINIMUM, THICKNESS IN DRIVEWAY SHALL BE 6" MINIMUM.

TYPICAL CONCRETE SIDEWALK
NTS

3213-220



CONCRETE TO ASPHALT TRANSITION
NTS

3213-250

DIGITALLY STAMPED: 2/10/2026
© JACOBS 2026. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		E BRUSSE	J PFEIFER	M BALDWIN	B FULLER		

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

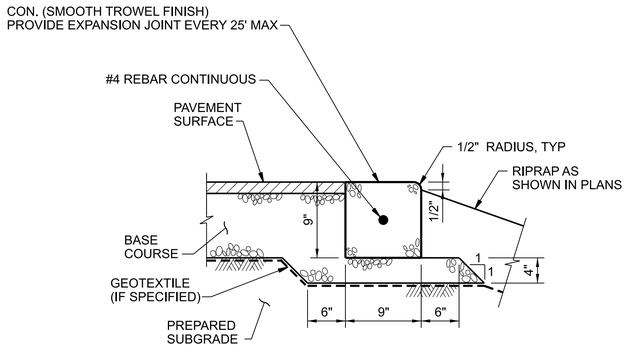
STANDARD DETAILS
CIVIL
STANDARD DETAILS - 1

ISSUED FOR CONSTRUCTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

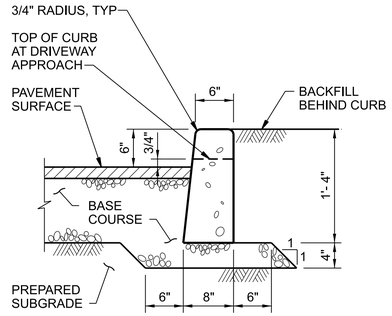
DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-C-511
SHEET	67 of 71

FILENAME: 99-C-511_D3454455.dgn PLOT DATE: 3-FEB-2026 PLOT TIME: 08:56



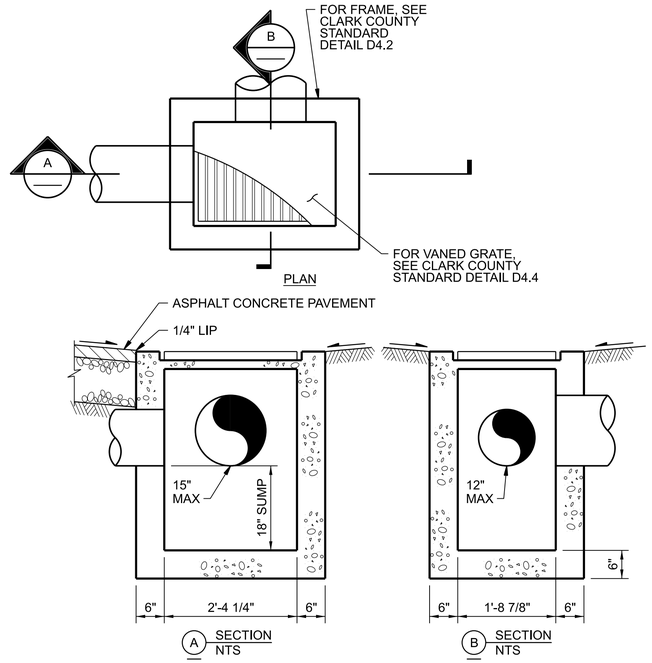
CONCRETE EDGE
NTS

3216-251



CONCRETE CURB
NTS

3216-315



CATCH BASIN
NTS

3344-780

DIGITALLY STAMPED: 2/19/2026
©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
		E BRUSSE	J PFEIFER	M BALDWIN	B FULLER		

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

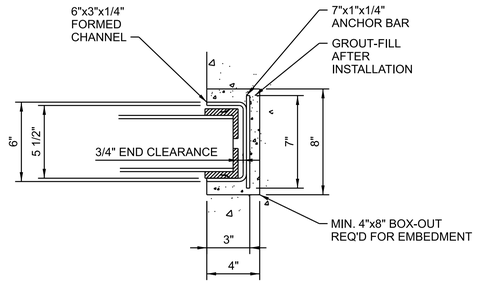
STANDARD DETAILS
CIVIL
STANDARD DETAILS - 2

ISSUED FOR CONSTRUCTION

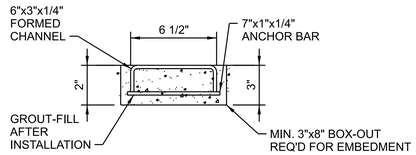
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-C-512
SHEET	68 of 71

FILENAME: 99-C-512_D3454455.dgn PLOT DATE: 3-FEB-2026 PLOT TIME: 08:56



STOP LOG GUIDE SECTION



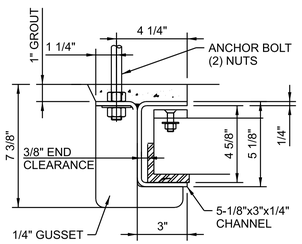
STOP LOG INVERT SECTION

EMBEDDED STOP LOG GUIDE DETAIL

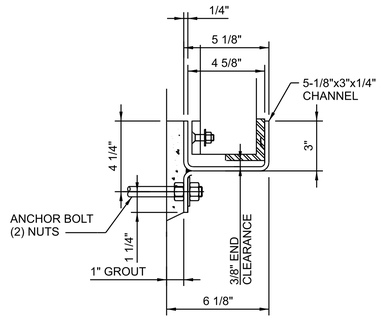
NTS

DETAIL 1 OF 2

3520-280



WALL MOUNT GUIDE SECTION



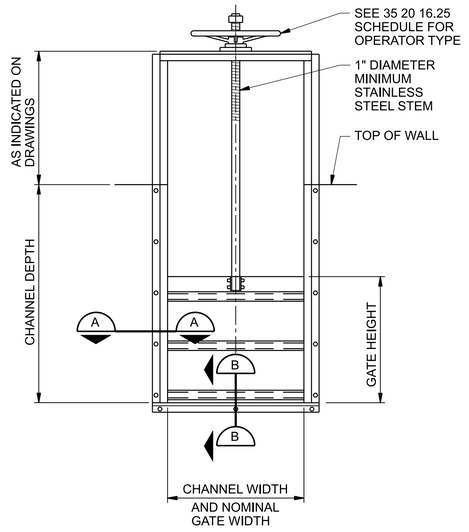
WALL MOUNT INVERT SECTION

WALL MOUNTED STOP LOG GUIDE DETAIL

NTS

DETAIL 2 OF 2

3520-280



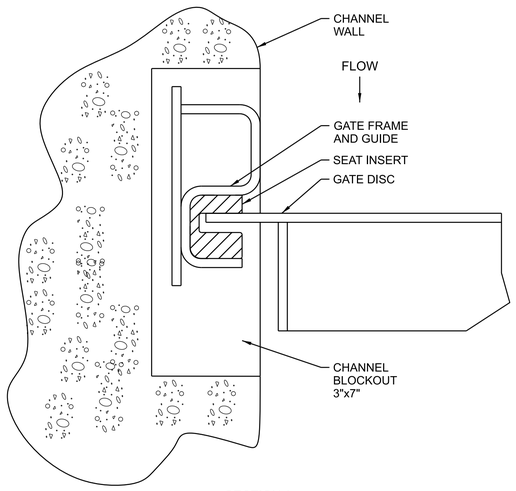
STYLE A

FABRICATED SLIDE GATES

NTS

DETAIL 1 OF 3

3520-281



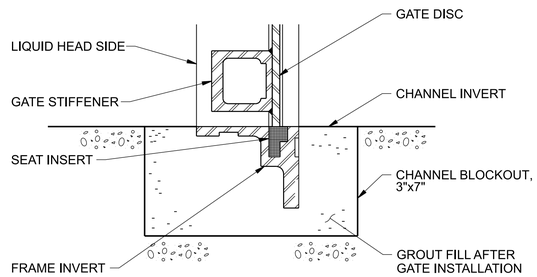
SECTION A

EMBEDDED GATE GUIDE DETAIL

NTS

DETAIL 2 OF 3

3520-281



SECTION B

NOTES:

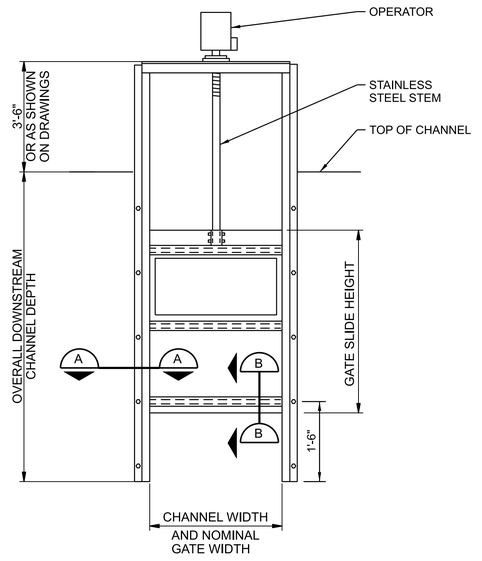
1. COORDINATE BLOCKOUT DIMENSIONS WITH GATE SUPPLIER.

FLUSH INVERT DETAIL

NTS

DETAIL 3 OF 3

3520-281



NOTES:

1. OPERATORS SHOWN ARE REPRESENTATIVE AND ARE NOT RELATED TO STYLE OF GATE.

FABRICATED SST WEIR GATE DETAILS

NTS

DETAIL 1 OF 3

3520-282

NO.	DATE	DSGN
		C COTTON
		DR
	REVISION	J SETNIK
	CHK	J CHANG
	APVD	
BY	APVD	B FULLER

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

STANDARD DETAILS

PROCESS
STANDARD DETAILS - 1

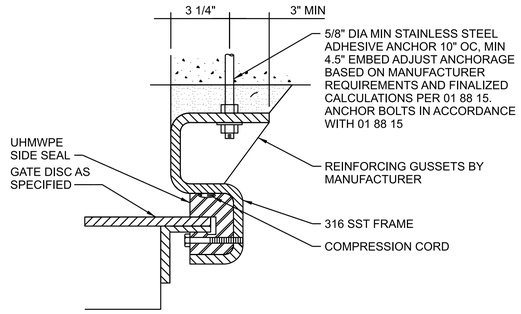
ISSUED FOR CONSTRUCTION

VERIFY SCALE

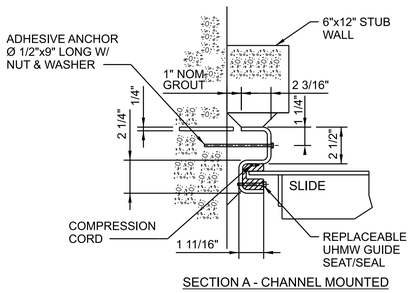
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-D-511
SHEET	69 of 71

FILENAME: 99-D-511_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:55



SECTION A - WALL MOUNTED



SECTION A - CHANNEL MOUNTED

NOTES:

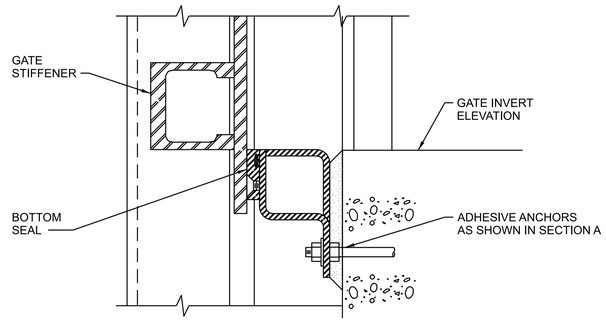
1. FOR UV CHANNEL 2 EMBEDDED GATE GUIDE SECTION, REFER TO 3520-281 DETAIL 2.

FABRICATED SST WEIR GATE DETAILS

NTS

DETAIL 2 OF 3

3520-282



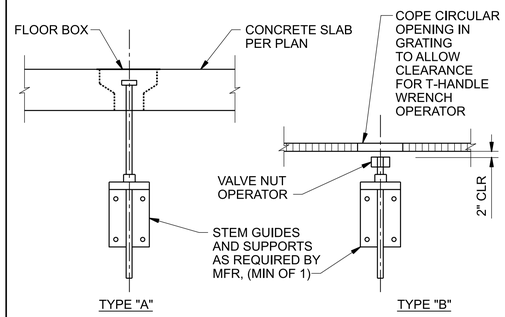
SECTION B

WALL MOUNTED WEIR GATE FRAME INVERT DETAIL

NTS

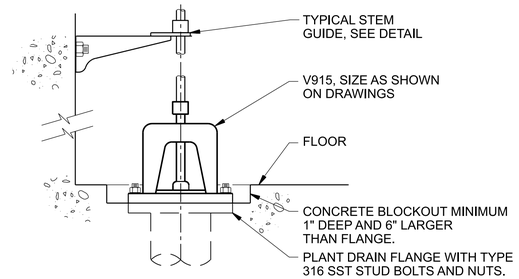
DETAIL 3 OF 3

3520-282



TYPE "A" TYPE "B"

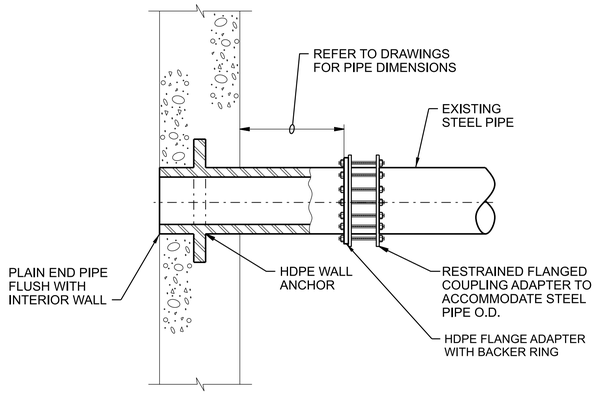
VALVE NUT INSTALLATION



MUD VALVE

NTS

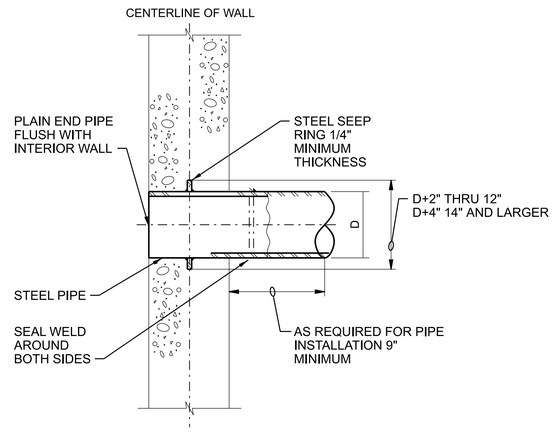
4027-201



HDPE CONNECTION TO WALL SPOOL PIPE

NTS

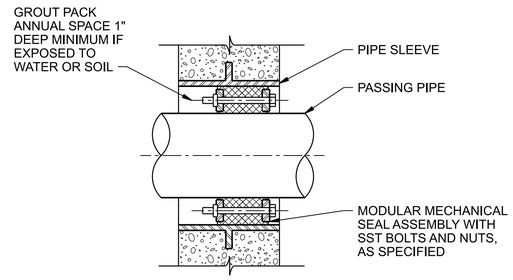
4027-600



STEEL WALL PIPE

NTS

4027-605



NOTES:

1. FOR PIPING 6-INCH AND SMALLER, PENETRATION MAY BE CORE DRILLED IN FIELD AND NO PIPE SLEEVE IS REQUIRED.
2. FOR EXISTING CAST IN PLACE WALLS, CORE DRILL TO DIAMETER RECOMMENDED BY MECHANICAL SEAL ASSEMBLY MANUFACTURER. INSIDE SURFACE MUST BE SMOOTH, PREPARE AND COAT EXPOSED STEEL REINFORCEMENT WITH SYSTEM NO. 7.

WALL PIPE PENETRATION SEAL

NTS

4027-607

CHRISTOPHER STEPHEN COTTON — STATE OF WASHINGTON — 25005966 — REGISTERED PROFESSIONAL ENGINEER

DIGITALLY STAMPED: 2/6/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	REVISION	CHK	APVD	BY	APVD
		C COTTON	J SETNIK	DR	J CHANG		B FULLER

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

STANDARD DETAILS
PROCESS
STANDARD DETAILS - 2

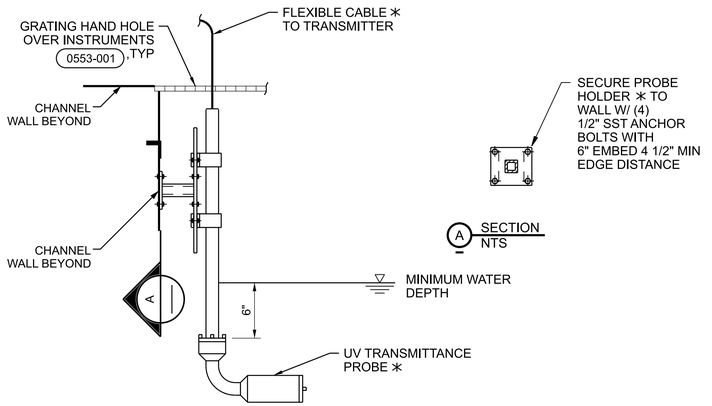
ISSUED FOR CONSTRUCTION

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-D-512
SHEET	70 of 71

FILENAME: 99-D-512_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 05:55



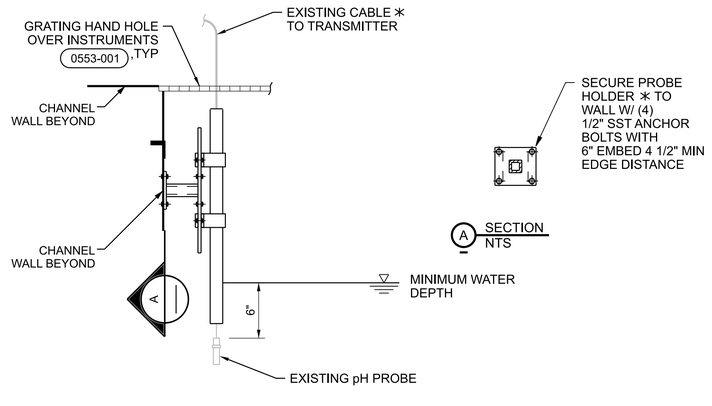
NOTES:

1. COMPONENTS DESIGNATED BY ∗ ARE FURNISHED AS PART OF THE UV SYSTEM PACKAGE.

UV TRANSMITTANCE PROBE INSTALLATION

NTS

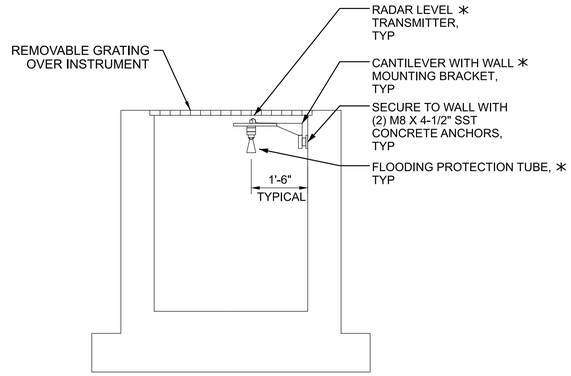
4091-165



EXISTING pH PROBE INSTALLATION

NTS

4091-167



NOTES:

1. COMPONENTS DESIGNATED BY ∗ ARE SUPPLIED BY INSTRUMENT MANUFACTURER.

RADAR LEVEL

NTS

4091-254

ANDREA NICOLE ELLIS
STATE OF WASHINGTON
24000
REGISTERED
PROFESSIONAL ENGINEER

DIGITALLY SIGNED: 2/10/2026

©JACOBS 2026. ALL RIGHTS RESERVED.

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN	A ELLIS		W DOMAGALA	B DONALDSON		B FULLER	

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

REUSE OF DOCUMENTS:

ISSUED FOR CONSTRUCTION

SALMON CREEK TREATMENT PLANT
UV SYSTEM REPLACEMENT
DISCOVERY CLEAN WATER ALLIANCE
CLARK COUNTY, WASHINGTON

Jacobs

STANDARD DETAILS

INSTRUMENTATION AND CONTROL STANDARD DETAILS

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	FEBRUARY 2026
PROJ	D3454455
DWG	99-I-511
SHEET	71 of 71

FILENAME: 99-I-511_D3454455.dgn PLOT DATE: 4-FEB-2026 PLOT TIME: 04:37