DSG BASIS OF DESIGN

WATER

TYPE OF MAIN (TRANSMISSION, FEEDER, DISTRIBUTION) DESIGN FLOW RATE: _____ FLOW VELOCITY: _____ TYPICAL PRESSURE: _____ PRESSURE ZONE(S):_____ WORKING PRESSURE: _____SURGE PRESSURE: _____ PIPE MATERIALS: _____ (TYPE, LINING, COATING, JOINTS, PRESSURE CLASS MINIMUM SLOPE, BUOYANCY SAFETY FACTOR, MINIMUM COVER [ROADS, NON-ROADWAY], DEFLECTION LAG FACTOR, CONSTRUCTION TOLERANCE, STEEL DEFLECTION LIMIT) BEDDING COMPACTION: ______ (ROADWAY, NON-ROADWAY, BEDDING CONSTANT, MODULUS OF SOIL REACTION (E') APPURTENANCES: _____ (ISOLATION VALVES, BLOW-OFFS/DRAINS, LINE VALVES, AIR-VACUUM AND AIR-RELEASE VALVES, VALVE LIMIT SETTINGS FOR CONTROL VALVES, DESIGN CRITERIA FOR ALL VALVES) MANWAYS: _____ DATUM: _____ BASIS OF HVAC DESIGN:_____ BASIS OF PROCESS CONTROL:____ PROJECT SPECIFIC/SPECIAL INFORMATION:

WASTEWATER

BASIN AREA (SF):	BASE FLOW RATE	:CFS
DESIGN STORM FOR CONVEYANCE:	MAXIMUM FL	OW RATE:CFS
PEAKING FACTOR:		
PROJECT SPECIFIC/SPECIAL INFORM	ATION:	

STORM DRAINAGE BASIN AREA (SF): DESIGN STORM FOR CONVEYANCE: BASE FLOW RATE (CFS): FLOW RATE (CFS): PEAK FLOW (CFS): PEAKING FACTORS: PROJECT SPECIFIC/SPECIAL INFORMATION:	SOILS: LATERAL LOADING PRESSURE VERTICAL LOADING PRESSURE WIND LOADING: SNOW LOADING: SEISMIC CRITERIA: DESIGN CODE AND EDITION: BRIDGE OR VAULT LOADING IN TRAFFIC BEARING AREAS: H-20; HS-20; H-25; HS-25; OTHEF ALLOWABLE FLOOR LOADING: DOES THE LOADING VARY? WHERE/WHY? PROJECT SPECIFIC/SPECIAL INFORMATION:	PSI; PSI
STORM DRAINAGE BASIN AREA (SF): DESIGN STORM FOR CONVEYANCE: BASE FLOW RATE (CFS): FLOW RATE (CFS): PEAK FLOW (CFS): PEAKING FACTORS: PROJECT SPECIFIC/SPECIAL INFORMATION:	SEISMIC CRITERIA: DESIGN CODE AND EDITION:_ BRIDGE OR VAULT LOADING IN TRAFFIC BEARING AREAS: H-20; HS-20; H-25; HS-25; OT ALLOWABLE FLOOR LOADING: DOES THE LOADING VARY? WHERE/WHY? PROJECT SPECIFIC/SPECIAL INFORMATION:	

APPROVED FOR
LIZ ALZ
DEPARTMENT OF FINANCE &
SEATTLE, WASHINGTON

BY:

STORM WATER CODE COMPLIANCE
TYPE OF PROJECT (ROADWAY, TRAIL/SIDEWALK, PARCEL)
BASIN (LISTED CREEK, NON-LISTED CREEK, COMBINED, RECEIVING
WETLAND)
FLOW CONTROL STANDARD (PASTURE, FOREST, PEAK
CONTROL):
AREA MITIGATED BY FLOW CONTROL (SF):
FLOW CONTROL VOLUME (CF): TYPE OF FC:
AREA MITIGATED BY WQ TREATMENT (SF):
BASIC WQ FACILITY:
WQ VOLUME/FLOW RATE:
ENHANCED WQ FACILITY:
OIL CONTROL FACILITY:
BIORETENTION TYPE (CELL, CASCADE) TOP AREA (SF):
BOTTOM AREA (SF):LANDSCAPED AREA (SF):
MATERIAL TYPE (GRASS, PLANTED)
PONDING DEPTH (INCHES)
DEPTH OF BIORETENTION SOIL (INCHES)
NATIVE SOIL INFILTRATION RATE (IN/HR)
PLANIING DAIE:
PERMEABLE PAVEMENT TYPE (FACILITY, SURFACE) MATERIAL:
NATIVE SOIL INFILTRATION RATE (IN/HR)
PAVEMENT AREA (SF):
PROJECT SPECIFIC/SPECIAL INFORMATION:

STRUCTURAL

APPROVED FOR ADVERTISING	INI	TIALS AND DATE		DATUM
LIZ ALZEER DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES	DESIGNED DATE	SPU 02/02/2020	HORIZONTAL: VERTICAL:	NAD 83/91 NAVD-88
	APPROVED	SPU 02/02/2020		
	DATE	02/02/2020		
Y:	ALL WORK SH	ALL BE DONE IN ACCORDANCE WITH T S AND OTHER DOCUMENTS CALLED FO	THE CITY OF SEATTL R IN SECTION 0-02	E STANDARD PLANS AND 2.3 OF THE PROJECT MANUAL.



ELECTRICAL

SYSTEM VOLTAGE: ____V, ___PHASE AVAILABLE FAULT CURRENT___A WATERTAL CONNECTED LOAD:____ FUTURE CAPACITY REQUIRED:____ SPARE REQUIREMENT:_____ LARGEST MOTOR SIZE:_____ HP EQUIPMENT REDUNDANCY LOAD: COINCIDENT__ NON-COINCIDENT__ HAZARDOUS (CLASSIFIED) LOCATION: CLASS__ DIVISION__ GROUP__ EMERGENCY POWER REQUIREMENT: EMERGENCY POWER SYSTEM____ LEGALLY REQUIRED STANDBY POWER SYSTEM: ______ OPTIONAL STANDBY POWER SYSTEM:______ PROJECT SPECIFIC/SPECIAL INFORMATION:

PUMP STATIONS PUMP OPERAT NUMBER OF PL SIZE OF PUMP PUMP INFO: IN SPEED____ TYPE OF STAT BOOSTER, WEL PUMP SET PO PRIMARY POWE BACKUP POWE NPSHA: ____ FORCE MAIN: STATIC HEAD E SERVICE AREA: WET WELL STO MANUFACTUREF PROJECT SPEC

CATHODIC LENGTH OF PI WHAT WAS PR EXISTING COAT ASSUMED CURF LIFE EXPECTAN POTENTIAL POF PROJECT SPECIFIC/SPECIAL INFORMATION:

NG CONDITIONS:	GPM;		FT
UMPS (PROVIDE INFO	FOR EACH PU	MP):	
(RANGE OF GPM):	DESIGN FLO	OW RATE:	
PELLER TYPE	; MAXIMUM S	SIZING	
; EFFICIENCY	: CONFIGUF	RATION	
ION: (EJECTOR, SUBMI	ERSIBLE, DRYW	ELL, WET	WELL,
L, STORAGE FACILITY,	OTHER)		
INTS:			
IR SOURCE:			
R SOURCE:			
FI. UIILITY POW	-R:	PHASE: _	V.
SIZE; ITPE	; LEN	GIH	
CTODM ONLY CANUT	ADY ONLY OO		
(SIURM UNLI, SANII	ART UNLT, CU	MBINED)	
RAGE	TEM CURVE	117.	
NEIC/SPECIAL INFORM			
FIC/ SPECIAL INFORMA			
PROTECTION			
PE PROTECTED:			
OBLEM? HERE/WHY?			
ING CONDITION ASSUM	PTIONS:		
RENT REQUIREMENTS:		REQUIRFD	
NCY: ANODE		RATE:	
FILE:			

	DASIS (JE	DESIGN
		JOB	PC CXXXXXX CO CXXXXXX
	PROJECT TITLE	VPI	# 790-037
			C-001
		SHE	eet 1 of 1