

MONROE CITY COUNCIL

Regular Business Meeting
February 16, 2016, 7:00 P.M.

Council Chambers, City Hall
806 W Main Street, Monroe, WA 98272

AGENDA

Call To Order

Roll Call

Pledge Of Allegiance

1. Councilmember Gamble

Comments From Citizens

[This time is set aside for members of the audience to speak to the City Council on any issue related to the City of Monroe; except any quasi-judicial matter subject to a public hearing. **Please sign in prior to the meeting; testimony is limited to 5 minutes per speaker.**]

Consent Agenda

1. Approval of the Minutes; February 9, 2016, Regular Business Meeting
Documents: [20160216 CA1 MCC Minutes 20160209.pdf](#)
2. Approval of AP Checks and ACH Payments
Documents: [20160216 CA2 AP Checks - ACH Payments.pdf](#)
3. AB16-020: Authorize Mayor to Sign Interagency Agreement with the Department of Energy Services for WWTP Energy Conservation Project, Phase II
Documents: [AB16-020_WWTP Energy Conservation Project P2 Agmt.pdf](#)

Unfinished Business

1. AB16-021: Discussion: Strategic Financial Planning - Prioritization
Documents: [AB16-021_Discussion_Strategic Financial Planning Prioritization.pdf](#)

Councilmember Reports

1. City Council Transportation/Planning, Public Works, Parks & Recreation, and Public Safety Committee

Staff/ Department Reports

1. Finance Report
Documents: [20160216 DR1 Dianne_021616_Finance Report.pdf](#)

Mayor/ Administrative Reports

1. Monroe This Week (February 12, 2016, Edition No. 6)

Documents: [20160216 MR1 Monroe This Week Edition 6.pdf](#)

2. SR-522 Update

Documents: [20160216 MR2 SR-522 Update.pdf](#)

3. Lobbyist Report (Green Light Strategies)

Documents: [20160216 MR3 Lobbyist Report_GLS.pdf](#)

4. Draft Agenda for February 23, 2016, Regular Business Meeting

Executive Session

If needed.

Adjournment

Majority vote to extend past 10:00 p.m.

THE CITY COUNCIL MAY ADD AND TAKE ACTION ON OTHER ITEMS NOT LISTED ON THIS
AGENDA

Accommodations for people with disabilities will be provided upon request. Please call City Hall at
360-794-7400. Please allow 48 hours advance notice.

CALL TO ORDER, ROLL CALL AND PLEDGE

The February 9, 2016, Regular Business Meeting of the Monroe City Council was called to order by Mayor Thomas at 7:00 p.m.; Council Chambers, City Hall.

Councilmembers present: Cudaback, Davis, Gamble¹, Hanford, Kamp, Rasmussen, and Scarboro.

Staff members present: Brazel, Farrell, Feilberg, Ginnard, Nelson, Osaki, Smoot, and Warthan.

The Pledge of Allegiance was led by Councilmember Davis.

ANNOUNCEMENTS/PRESENTATIONS

1. AB16-016: Confirmation of Appointment (Salary Commission)

Mayor Thomas reviewed the application, interview and selection process for the appointment of Mr. Patrick Daniels to the Salary Commission, and requested Council's confirmation of this appointment.

Councilmember Cudaback moved to confirm the Mayor's appointment of Patrick Daniels to the Salary Commission; the motion was seconded by Councilmember Hanford. On vote;

Motion carried (6-0).

City Clerk Elizabeth Smoot administered the Oath of Office for Mr. Daniels.

COMMENTS FROM CITIZENS

There were no persons present wishing to address Council.

CONSENT AGENDA

1. Approval of the Minutes; February 2, 2016, Regular Business Meeting
2. Approval of Payroll Warrants and ACH Payments (*Check Nos. 34562 through 34608, and ACH Payments, in a total amount of \$1,077,167.22*)
3. AB16-017: Authorize Mayor to Sign 2016 Skyhawks Sports Camps Agreement

Councilmember Kamp moved to approve the Consent Agenda; the motion was seconded by Councilmember Hanford. On vote,

Motion carried (7-0).

¹ CLERK'S NOTE: Councilmember Gamble arrived at approximately 7:04 p.m., during the Consent Agenda vote.

UNFINISHED BUSINESS

1. AB16-018: Discussion: Strategic Financial Planning (Capital/O&M/Revenues)

Mayor Thomas presented background information on AB16-018 and discussion on strategic financial planning for the next five years; specifically regarding capital, operations and maintenance, and revenues. City Staff members reviewed the following: Non-Utility Capital items (Transportation Plan, sidewalks, road rehabilitation, long term road preservation and rehabilitation, downtown parking, municipal campus, Fryelands Boulevard illumination/sidewalks, and Park Plan); Non-Utility Operations and Maintenance items (transportation infrastructure and parks); and revenue sources.

General discussion ensued regarding: the Transportation Plan/projects; Transportation Benefit District projects/funding, municipal campus funding options; Park Plan projects; Parks and Recreation Department revenues, major revenue sources; and banked capacity. Mayor Thomas stated discussion on the prioritization of items presented over the past two staff presentations will be brought back to the next available Council Meeting.

NEW BUSINESS

1. AB16-019: Authorize Mayor Pro Tem to Sign Grant Agreement with Snohomish County for Hotel/Motel Tax Fund Reimbursable Grant Award in an amount of \$9,6000 for Tourism Branded Street Banners

Mayor Thomas noted a conflict of interest and exited the Council Chambers for discussion and the vote on AB16-019.

Mr. Mike Farrell, Parks and Recreation Director, provided background information on AB16-019, and the grant agreement.

Councilmember Hanford moved to authorize the Mayor Pro Tem to sign the grant agreement with Snohomish County for a Hotel/Motel Tax Fund reimbursable grant award in the amount of \$9,600 for Tourism Branded Street Banners; and expressly authorize further minor revisions to the extent deemed necessary or appropriate; the motion was seconded by Councilmember Rasmussen. On vote,

Motion carried (7-0).

COUNCILMEMBER REPORTS

1. City Council Legislative Affairs Committee

Councilmember Jim Kamp reported on items discussed at the Legislative Affairs Committee meeting, including: selection of 2016 chairperson (Kamp); 2016 Committee Work Plan; and forthcoming amendments to the Council Rules of Procedure.

2. Community Transit Board of Directors Meeting (Councilmember Cudaback)

Councilmember Cudaback reported on items discussed at the February Community Transit Board of Directors Meeting, including: the mid-sized cities newsletter, the Swift College Station opening, and announcements of new board members.

3. Snohomish Health District Board of Directors (Councilmember Rasmussen)

Councilmember Rasmussen reported on items discussed at the February Snohomish Health District Board of Directors Meeting, including: swearing-in of 2016 members, Zika Virus discussion, interlocal agreement with Snohomish County for IT services, collaboration with the William D. Ruckelshaus Center, upcoming retreat (February 15th), and need for a youth advocate.

4. Individual Reports

Councilmember Gamble commented on Little League tryouts at the Elite Academy in Monroe and Monroe High School Basketball.

Councilmember Kamp commented on attendance at the Planning Commission Land Use Training with Mr. Joe Tovar.

Councilmember Cudaback commented on the passing of former Councilmember James Edward (Jim) Hunnicutt, his inspiration and service to the community, and celebration of his life to be held on Saturday, February 27, 2016, 11:30 a.m., Cascade Community Church, 14377 Fryelands Blvd. SE., Monroe.

STAFF/DEPARTMENT REPORTS

Mr. Ben Warthan, Human Resources Manager, reported on a flood in the Walser Building (housing Public Works and Parks and Recreation employees).

Mr. Farrell reported on attendance at the Monroe Chamber of Commerce luncheon which discussed the Sky to Sound Water Trail.

Mr. David Osaki, Community Development Director, reported on potential upcoming amendments to the Comprehensive Plan.

1. Public Works Update

Mr. Brad Feilberg, Public Works Director, noted the Public Works – Design and Construction report provided in the Council agenda packet; and reported on the flood in the Walser Building, a citizen issue addressed, and SB2816.

MAYOR/ADMINISTRATIVE REPORTS

1. Monroe This Week (*February 5, 2016, Edition No. 5*)

Mayor Thomas reported on meetings held and events attended the previous week and other forthcoming items; including: an upcoming meeting with Snohomish County Executive Dave Somers regarding SR-522, the Park Place Middle School Modernization project, and Propulsion Cablepark Monroe groundbreaking ceremony tentatively set for March 3, 2016.

2. Lobbyist Report (*Green Light Strategies*)

Mr. Gene Brazel, City Administrator, noted information in the agenda packet provided by Green Light Strategies, the City's Lobbying Firm, regarding proposed bills of interest to the City, and a listing of the bills currently being monitored. Council agreed by consensus to support HB2816.

3. Draft Agenda for February 16, 2016, Regular Business Meeting

Mr. Brazel reviewed the draft agenda for the February 16, 2016, Monroe City Council Regular Business Meeting, the extended agenda, and additions/edits thereto. Councilmember Kamp noted he would be late for the meeting. General discussion ensued regarding the campus planning and strategic financial planning discussion items.

ADJOURNMENT

There being no further business, the motion was made by Councilmember Gamble and seconded by Councilmember Hanford to adjourn the meeting. On vote,
Motion carried (7-0).

MEETING ADJOURNED: 9:17 p.m.

Geoffrey Thomas, Mayor

Elizabeth M. Smoot, MMC, City Clerk

Minutes approved at the Regular Business Meeting of February 16, 2016.

COUNCIL AP CHECKS AND ACH PAYMENTS 2/3/16 - 2/16/16

abellb	
W Abell supplemental insurance	\$304.39
Total Paid to abellb	\$304.39
accearth	
release of cash held for assignment of cash	\$2,500.00
Total Paid to accearth	\$2,500.00
AFTS	
Insert XMAS Tree Recycling	\$275.52
Postage - Utilities	\$2,360.63
Printing Services - Delinquency Notices	\$979.48
Total Paid to AFTS	\$3,615.63
assocpet	
Police vehicle fuel - Bldg H	\$1,390.27
PW vehicle fuel	\$2,499.79
Total Paid to assocpet	\$3,890.06
assocsc	
Mayor/Council Snohomish County Cities Dinner meeting 1/21/16	\$175.00
Total Paid to assocsc	\$175.00
bakerlsl	
public defender legal fees	\$12,000.00
Total Paid to bakerlsl	\$12,000.00
bollingc	
C Bollinger - reimburse CDL	\$119.00
Total Paid to bollingc	\$119.00
civicpl	
2016 Annual fee	\$4,696.52
Credit on account	(\$287.75)
Total Paid to civicpl	\$4,408.77
crosby	
L Crosbysupplemental insurance	\$1,095.15
Total Paid to crosby	\$1,095.15
davideva	
Tjerne PI Extension	\$25,951.56
Total Paid to davideva	\$25,951.56
depb&o	
Combined Excise Tax Return	\$45,031.67
Total Paid to depb&o	\$45,031.67
depte128	
NPDES fee	\$8,196.21

sewer DOE loan debt service	\$185,659.73
Total Paid to depte128	\$193,855.94
deptheal	
2016 operating permit fee	\$8,002.70
Total Paid to deptheal	\$8,002.70
dmcja	
2016 DMCJA dues	\$187.00
Total Paid to dmcja	\$187.00
dmcma	
P Haley - 2016 dues	\$150.00
Total Paid to dmcma	\$150.00
doppsm	
Interpreting services	\$109.18
Total Paid to doppsm	\$109.18
eastcsc	
Senior Transportation plan	\$1,250.00
Total Paid to eastcsc	\$1,250.00
graybar	
vehicle maintenance	\$28.59
Total Paid to graybar	\$28.59
hbjaeger	
maxline parts	\$1,169.72
pit pump	\$61.80
traffic boxes	\$2,445.24
Total Paid to hbjaeger	\$3,676.76
imprest	
replace damaged license plate on Parks trailer - TLR06	\$14.75
Total Paid to imprest	\$14.75
integrab	
INTEGRA - Long distance charge	\$1,788.64
Total Paid to integrab	\$1,788.64
ironmoun	
IRON MOUNTAIN-Off Site Storage	\$261.64
Total Paid to ironmoun	\$261.64
lowes	
Maintenance/Repairs/Supplies	\$2,500.74
Total Paid to lowes	\$2,500.74
moncham1	
Destination marketing manageent development	\$4,583.00
Wayfinding Signage	\$4,279.59
Total Paid to moncham1	\$8,862.59

nigov		
NI Government		\$73.73
Total Paid to nigov		\$73.73
nwplay		
playground slide & hardware		\$1,705.23
Total Paid to nwplay		\$1,705.23
otak		
Woods Creek Road phase 1		\$1,530.53
Total Paid to otak		\$1,530.53
paxmand		
payment of reimbursement agreement fees		\$1,097.32
payment of reimbursement agreement fees - 5% Administrative fee		\$1,563.68
payment of reimbursement agreement fees - 6% Administrative fee		(\$65.84)
Total Paid to paxmand		\$2,595.16
petrocar		
fuel for patrol vehicle		\$26.37
Total Paid to petrocar		\$26.37
pharmasa		
M Wakefield RX		\$806.88
Total Paid to pharmasa		\$806.88
pud1100		
PUD - Street Lighting		\$7,363.96
Reservoir #5 - 13125 191st Ave SE		\$233.98
Total Paid to pud1100		\$7,597.94
qualcon		
flow meter calibration		\$213.75
SCADA repairs		\$775.00
Total Paid to qualcon		\$988.75
repallwg		
Garbage/Recycle/Yardwaste		\$246,751.05
Total Paid to repallwg		\$246,751.05
ricoh73		
Bldg 6001 Ricoh copier lease		\$561.93
CH 5180 Ricoh color/fax copier		\$588.82
CH 906 Ricoh copier lease		\$398.58
CH PRO8100s copier lease		\$486.29
Engr Ricoh copier lease		\$120.44
PD Ricoh 906EX copier lease		\$276.51
PD Ricoh Pro8100s copier lease		\$436.43
PW Ricoh copier lease		\$369.41
WWTP Ricoh copier lease		\$148.66
Total Paid to ricoh73		\$3,387.07

rozzmar		
Judges Salary		\$4,400.00
Total Paid to rozzmar		\$4,400.00
smarsh		
Archive services		\$669.50
Total Paid to smarsh		\$669.50
snocoshe		
warrant entries		\$599.85
Total Paid to snocoshe		\$599.85
snoctjb		
Crime victims compensation		\$296.55
Total Paid to snoctjb		\$296.55
snopac91		
dispatch services		\$21,849.62
managed laptop program		\$1,923.91
Total Paid to snopac91		\$23,773.53
staplesb		
SD card		\$21.77
Total Paid to staplesb		\$21.77
statojb		
Jurisdiction Billing		\$21,405.86
Total Paid to statojb		\$21,405.86
trimaxx		
Tjerne Place SE Extension		\$130,314.80
Total Paid to trimaxx		\$130,314.80
UB*02175		
Refund Check		\$189.53
Total Paid to UB*02175		\$189.53
UB*02176		
Refund Check		\$20.20
Total Paid to UB*02176		\$20.20
UB*02177		
Refund Check		\$135.42
Total Paid to UB*02177		\$135.42
UB*02178		
Refund Check		\$96.50
Total Paid to UB*02178		\$96.50
UB*02179		
Refund Check		\$64.07
Total Paid to UB*02179		\$64.07

UB*02180		
Refund Check		\$34.00
Total Paid to UB*02180		\$34.00
UB*02181		
Refund Check		\$190.44
Total Paid to UB*02181		\$190.44
UB*02182		
Refund Check		\$174.58
Total Paid to UB*02182		\$174.58
UB*02183		
Refund Check		\$33.27
Total Paid to UB*02183		\$33.27
UB*02184		
Refund Check		\$9.89
Total Paid to UB*02184		\$9.89
UB*02185		
Refund Check		\$1,200.00
Total Paid to UB*02185		\$1,200.00
UB*02186		
Refund Check		\$142.52
Total Paid to UB*02186		\$142.52
UB*02187		
Refund Check		\$2,117.77
Total Paid to UB*02187		\$2,117.77
UB*02188		
Refund Check		\$18.79
Total Paid to UB*02188		\$18.79
UB*02189		
Refund Check		\$56.15
Total Paid to UB*02189		\$56.15
UB*02190		
Refund Check		\$1,169.64
Total Paid to UB*02190		\$1,169.64
UB*02191		
Refund Check		\$1,169.64
Total Paid to UB*02191		\$1,169.64
US Bank National Associatio ND		
ALASKA AIR - Flight 2016 WMCA Academy/Conf Travel		\$192.20
ALICE TRAINING INSTITUTE / ADVANCED ALICE TRAINING		\$595.00
ALLIED FIRE & SECURITY - WWTP monitoring		\$120.00
Amazon - Case Packets		\$559.40

Amazon - Earpiece Mototoral	\$69.95
Amazon - emergency blankets	\$35.18
AMAZON - sd card reader for iphone	\$41.52
Amazon - Toner Sgts & Heater	\$67.14
AMAZON- battery backup for PLL @ DOC	\$117.76
AMAZON- prime membership for City	\$99.00
AMERICA WEST- antifreeze	\$4,599.84
AQUA BEN - hydrofloc	\$4,752.00
AWC Registration GBrazel	\$150.00
AWC Registration GThomaskScarboroPCudaback	\$350.00
BALL SEED - seed	\$28.00
BAVCO- Chain Lake check valve	\$1,281.75
BEN MEADOWS- locate marker	\$38.58
BICKFORD MOTORS / PARTS FOR P-70	\$86.71
BICKFORD- pt12	\$257.91
CARRIAGE REBUILD- pt06	\$1,172.75
CDWG Digital Camera (Pam B)	\$244.24
CDWG PCs	\$1,225.56
CDWG Thumb Drives/Video adapters	\$241.55
CENTRAL WELDING-	\$445.43
CHEVRON / FUEL FOR PD MOTORCYCLE	\$21.78
City of Monroe - Tjerne Extension Water	\$21.18
CITY OF MONROE - W Main St Permit	\$713.50
CITY OF MONROE- Permit fee for PW bldg	\$133.13
COASTWIDE- 141.76 + 63.76	\$205.51
COASTWIDE- 6 wastebaskets	\$30.54
COMCAST - Cable & IP	\$236.18
COMCAST - PW Internet	\$135.74
COMCAST - WWTP Internet	\$111.18
COMPLETE OFFICE - supplies	\$68.25
CUES- sewer camera repairs	\$915.57
Dash Medical Gloves - Disposable Gloves	\$132.64
DELS- J Personeus 2015 boots	\$101.27
DR SMITH- air compressors PW/Parks	\$334.87
DYNACCO - soap	\$267.57
ESRI Arcgis license	\$2,341.35
EVERETT STEEL-	\$370.95
EVERETT STEEL- for parks trailers	\$492.60
EVERGREEN HEALTH- Conley CDL physical	\$180.00
EVERGREEN HEALTH- J Woolworth CDL physical	\$186.00
EVERGREEN HEALTH- M Tuomisto CDL physical	\$186.00
EVERGREEN HEALTH- R anderson CDL physical	\$186.00
EVERGREEN HEALTH- S Barr CDL physical	\$186.00

EVERGREEN HEALTH- T Christian CDL physical	\$186.00
FASTENAL	\$81.69
FASTENAL - for parks trailers	\$10.20
FASTENAL- clip	\$0.40
FASTENAL- fasteners	\$67.65
FASTENAL- for parks trailers	\$3.27
FERGUSON- water meters	\$2,481.17
FRED MEYER / FUEL FOR PD MOTORCYCLE	\$11.18
FRED MEYER / PRE-PAID PHONE FOR INVESTIGATIONS	\$33.60
Fred Pryor on line training	\$299.00
GLOCK PROFESSIONAL / GLOCK ARMORERS COURSE	\$250.00
GPSCITY- PT06 computer	\$261.49
GPSCITY- Vactor computers	\$394.98
GRAINGER - Adaptor	\$10.98
GREENSHIELDS- hole saws	\$109.15
GREENSHIELDS- pt14 tools	\$1,655.61
GREENSHIELDS- vactors	\$423.43
GTS DRYWALL- steel studs	\$73.85
GUNDIES-pt10b seat	\$298.93
Hach-Bod Std	\$183.34
Hach-Lab reagents	\$1,017.91
HEARING AND BALANCE- R Anderson hearing test	\$88.00
HIGHWAY AUTO- parks TLR06	\$21.81
Huber-Roller bearing cover for step screen	\$326.70
IACP / MEMBERSHIP DUES	\$150.00
IBS- tie wraps	\$123.49
ISOUTSOURCE - IT Services	\$4,184.95
ISOUTSOURCE - Monthly server monitoring	\$217.80
KOOY'S- DP02	\$203.52
KOOY'S- vac01	\$381.15
LIND ELECTRIC- PT01	\$128.95
LIND ELECTRONICS- laptop truck installs	\$491.80
McDonalds - inmate meals	\$18.40
MCDONALDS / FOOD FOR ARRESTEE	\$6.62
MCDONALDS / LUNCH FOR SEARCH WARRANT CASE	\$21.76
MODERN MACHINERY-	\$64.93
Monroe Chamber - Lunch Meeting	\$32.00
MONROE DOOR & MILLWORK- wwtp office door	\$559.95
MONROE FARM & FEED- cedar chips	\$36.98
MONROE FARM & FEED- shavings for meters	\$46.23
MONROE FARM AND FEED- shavings for mtrs	\$36.98
MONROE FARM& FEED- cedar shavings for mtrs	\$36.98
MONROE PARTS HOUSE-	\$304.97

MONROE PARTS HOUSE - Oil	\$104.28
MONROE PARTS HOUSE / VEHICLE LIGHT BULBS	\$23.91
MONROE PARTS HOUSE- battery and lamp	\$289.39
MONROE PARTS HOUSE- camera trailer gen	\$214.90
MONROE PARTS HOUSE- mirror	\$16.49
MONROE PARTS HOUSE- paint sprayer	\$127.45
MONROE PARTS HOUSE- ret core deposit	(\$19.60)
MONROE PARTS HOUSE-fittings drain	\$24.39
MONROE PARTTSHOUSE-gear oil	\$31.76
MONROE PARTTSHOUSE-halogen bulb	\$11.97
MONROEPARTSHOUSE-engine parts	\$176.64
MONROEPARTSHOUSE-gear oil	\$47.63
MONROEPARTSHOUSE-oil filters	\$62.09
MOR ELECTRIC- wwtp replacement heater	\$592.07
MOTOR TRUCKS- TK02	\$4,887.53
NAME BADGES INTL - K Scarboro name badge	\$19.98
NAME BADGES INTL - P Baker name badge	\$19.98
NCI PD4 Tuition 2016	\$650.00
NCWICC Registration (Leavenworth 3 days)	\$325.00
NELSON PETROLEUM - oil	\$235.09
NORTH SOUND - strainer bowl valve	\$16.74
Northstar-Hydroxide	\$1,920.91
NTOA / MEMBERSHIP DUES	\$150.00
OFFICE DEPOT - supplies	\$53.88
OFFICE DEPOT - supply return	(\$48.61)
OFFICE DEPOT- office supplies	\$31.12
PACIFIC BATTERY - battery	\$15.27
PACIFIC POWER - C-5	\$87.28
PAPA JOHN'S / FOOD FOR INVESTIGATION	\$50.47
PARTMASTER - small tools	\$299.45
PARTS4HEATING- PP pump station	\$256.10
PAYPAL - 2016 WMCA Academy/Conf Registration	\$425.00
PAYPAL - Water Certification CEU's	\$275.00
PLATT	\$7.31
PLATT - flashlights/supplies	\$728.64
PLATT - light bulbs	\$198.08
PLATT- batteries	\$163.19
PLATT- cat 5 cable for CH	\$152.44
PLATT- replaced bollard hit by DUI	\$582.81
PLATT- sl maint	\$89.94
PNWPK9 - PNWPK9 CONFERENCE & MEMBERSHIP	\$445.00
POLICE TECHNICAL TRAINING / CELL PHONE INVESTIGATE	\$375.00
PRESS PLUS / HERALD SUBSCRIPTION	\$8.95

PROFORCE / TASERS & ACCESSORIES	\$7,164.47
PUGET SAFETY- supplies	\$474.22
Puget Safety-Misc first aid supplies	\$65.66
RADIOSHACK- ethernet adapters	\$136.07
RESORTNET - Internet Service Charge	\$4.95
RITE AID- moth balls	\$19.57
RODLAND AUTO SERVICE / SPARK PLUGS FOR VEHICLE	\$385.26
ROMAINE ELECTRIC-	\$163.75
SHAKERTOWN 1992- full lite maple door & frame	\$2,492.72
SHERWIN-WILLIAMS- primer & paint	\$32.76
SHRED-IT - shredding	\$61.43
SIX ROBBLES- for parks trailers	\$68.08
SNOCO WASTE- hazmat disposal charges	\$102.00
SOUND SAFETY PRODUCTS -Rain Gear & Safety Clothing	\$8,524.28
SP * WOW THATS BRIGHT - Headlamps	\$209.85
SPEEDWAY CHEVROLET / REPLACE HEADLIGHT ON P-45	\$110.16
SSL Cert for TimeClock Plus	\$149.99
Staples - Evidence Paper Bags	\$21.12
Staples - Hot Laminating Pouches	\$25.08
STAPLES - misc	\$15.24
Staples - office Supplies	\$59.78
STAPLES - supplies	\$500.90
Staples - Supplies (2016 planner)	\$47.68
STEUBERS- potting soil	\$115.22
THE AUSTIN MIRACLE LEAGUE - FRAUD CHARGE	\$400.00
TIMBERLAND- Dustin Harvie boots	\$201.47
TOPSOILS NW - mulch	\$387.72
TOWN & COUNTRY- chain link fencing	\$97.91
TRACTOR SUPPLY - oil pump	\$42.13
Traffic Data Inc - Radar Traffic Counter	\$3,510.11
TRANE- HVAC maint air handler #3	\$14.52
TRANE-HVAC Maint- parts for AHU #3	\$160.48
UNITED PACIFIC - City Car Washing	\$10.00
US Bank-finance charge glitch	\$1,733.75
USPS - Postage	\$118.10
VERIZON WIRELESS - Admin cell	\$138.80
VERIZON WIRELESS - Clerk cell	\$36.83
VERIZON WIRELESS - Comm Dev	\$217.72
VERIZON WIRELESS - Court cell	\$94.45
VERIZON WIRELESS - Design & Co	\$269.26
VERIZON WIRELESS - Eng Emerg M	\$157.64
VERIZON WIRELESS - HR cell	\$36.83
VERIZON WIRELESS - IT cell	\$425.40

VERIZON WIRELESS - Legislation	\$308.09
VERIZON WIRELESS - Parks cell	\$383.77
VERIZON WIRELESS - PW cell	\$1,086.65
VERIZON WIRELESS - WWTP cell	\$425.74
Walmart - bulletin board	\$12.85
WALMART- mothballs	\$21.52
WASH LIFT TRUCK- FL-01 annual insp	\$135.11
WESTERN FLUID- vac02	\$520.54
WFOA membership dues for D Nelson	\$50.00
WFOA-BARS Cash Basis training - D Nelson	\$125.00
WHISTLE WORKWEAR- J Axtman- 2015 boot allowance	\$212.00
WHISTLE WORKWEAR- M Tuomisto 2016 boots	\$185.63
WHISTLE WORKWEAR- R Anderson 2016 boots	\$176.89
WHISTLE WORKWEAR- T Ore 2016 boots	\$174.71
Work Boots - Work 'n More	\$163.83
WPTA membership dues for D Nelson	\$40.00
WRPA - membership	\$164.00
WW GRAINGER- motro for sweeper shed	\$213.93
Total Paid to US Bank National Associatio ND	\$87,195.62
wakefiel	
M Wakefield supplemental insurance premium	\$104.90
Total Paid to wakefiel	\$104.90
zachor	
prosecuting attorney services	\$10,000.00
Total Paid to zachor	\$10,000.00
Grand Total	\$870,847.26



MONROE CITY COUNCIL

Agenda Bill No. 16-020

SUBJECT:	<i>Authorize Mayor to Sign Associated Documents Pertaining to the Wastewater Treatment Plant Energy Conservation Project, Phase II</i>
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DATE:	DEPT:	CONTACT:	PRESENTER:	ITEM:
02/16/2016	Public Works – WWTP	John Lande	Brad Feilberg	Consent Agenda #3

Discussion: 09/10/2013 WWTP Tour; 09/17/2013; 04/08/2014; 07/14/2015; 02/16/2016

- Attachments:**
1. Energy Services Proposal (ESP)
 2. Interagency Agreement Between the State of Washington Department of Enterprise Services (DES) and the City of Monroe
 3. Funding Authorization No. 2014-118 B (2) for ESCO Professional Services
 4. Funding Authorization No. 2014-118H (2-1) for ESCO Project Construction Contract

REQUESTED ACTION: Move to authorize the Mayor to sign associated documents pertaining to the Wastewater Treatment Plant (WWTP) Energy Services Conservation Project, Phase II; and expressly authorize further minor revisions as deemed necessary or appropriate.

DESCRIPTION/BACKGROUND

In July 2015, the City approved an Interagency Agreement between the Department of Enterprise Services and the City of Monroe. The objective of this agreement was to further develop and engineer Energy Conservation Measures (ECM's) previously identified by means of an Investment Grade Audit (IGA) which was approved by Council on July 14, 2015. The IGA provided engineering services that included project development, initial design, cost estimating including contractor proposals, energy savings calculations, pre-retrofit measurements and verification, coordination with Snohomish County PUD for available incentives, and coordination with Commerce with grant programs. The attached Energy Services Proposal (ESP) was developed from the findings of the IGA and describes the proposed project with detail. All of the proposed ECM's are identified in the City's Utility Comprehensive Plan (2015).

ECM-4: Sludge Thickening

This improvement consists of adding a sludge thickening system by means of a new disc thickener and associated equipment. The original headworks area will be used for this new process. This is a critical improvement for the facility. It will resolve process, capacity, and efficiency problems that have been increasingly difficult to overcome. This ECM was originally identified in the Phase I project, but was eliminated because of priority and cost.

ECM-7: Primary Clarifier

The Primary Clarifier requires component replacements. All of the internal components are at their end of their service life. Additionally, new progressive cavity scum pumps will replace the original diaphragm pumps from 1996.

ECM-8: Secondary Clarifier

The existing Clarifier 402 drive equipment and internal components are at their end of life service. Installed in 1996, the drive and collector system need replacement. A new tapered sludge collection system will improve process control and efficiency.

ECM-9: Digester Blowers

Four existing rotary lobe blowers will be replaced by three efficient hybrid blowers. The existing blowers are at their end of life service. Some aeration piping will be replaced along with blower controls via new dissolved oxygen meters further increasing efficiency.

ECM-10: Belt Filter Press Hood

Belt press operation creates corrosive gases and vapors that are destructive to the building. A new hood will reduce the building exposure to these gases and vapors. Additionally, it will improve scrubber efficiency by eliminating the need to scrub the entire building. The hood will capture just the odors off of the press.

The full description of the ECM's and costs are provided in the attached ESP.

IMPACT – BUDGET

This project has a guaranteed maximum project cost of \$3,991,862 which includes project contingency and measurement/verification costs. This cost does not include the DES fees and taxes bringing the total project cost to \$4,412,137. Project cost breakdown can be seen on table 2.1 in the attached ESP. These costs would be shared during budget years 2016 and 2017 from Sewer CIP. There is adequate funding for this project through 2017.

This project will provide some savings. There is a guaranteed utility savings of 86,652 kWh/Yr or \$6,074 per year. Additionally, an estimated \$8,000 per operational savings is anticipated.

TIME CONSTRAINTS

N/A



Energy Services Proposal

January 5, 2016

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1. EXECUTIVE SUMMARY

1.1 PROJECT OVERVIEW

Trane is pleased to provide the following Energy Services Proposal (ESP) for process and efficiency improvements at the City's wastewater plant, located in Monroe, Washington. The scope and costs herein reflect our work to date and are proposed as the guaranteed maximum (GMAX) project cost and guaranteed minimum savings per the State ESPC contract.

The City of Monroe selected Trane US Inc. to complete an Investment Grade Audit (IGA) of their wastewater plant through the State's Energy Savings Performance Contracting (ESPC) program. The IGA included interviews with the WWTP staff who were instrumental in shaping the scope and direction of the project.

The key objectives the City indicated they wanted to achieve with this project are:

- Address and help prioritize items on the City's Comprehensive Sewer Plan as well as the WWTP assets by replacing equipment that is nearing end of life expectancy and quantify operational and energy savings opportunities.
- Increasing the treatment capacity of the plant through process modifications such as the addition of a disc thickener, which increases digester capacity.
- Extend the life of existing assets through refurbishment or through repurposing such as the conversion of the old grit chamber to a new WAS storage tank.
- Avoid imminent capital costs that the City will incur should existing equipment remain in service.
- Reduced energy cost by using more efficient equipment and improving process control.
- Maximize system life and reliability.

Trane has completed the Investment Grade Audit (IGA) of the existing wastewater plant. Through this IGA, Trane has presented the City with a project solution that improves system operation, is designed to minimize impact to the treatment process during construction, addresses capital improvement needs and maximizes energy efficiency.

This project includes upgrades and renovations to various processes and systems within the wastewater plant as outlined in Section 1.2. Several ECMs were studied during the course of the IGA but were not approved by the City for implementation. Please refer to section 5.3 of this ESP for further detail.

1.2 SELECTED ENERGY CONSERVATION MEASURES (ECM) SUMMARY

ECM-4. SLUDGE THICKENING

This improvement will consist of installing a new disc thickener and associated pumps and equipment and converting the unused grit chamber to WAS storage; aeration will be supplied to the new WAS tank by coarse bubble diffusers connected the new digester blowers (ECM-9). The purpose of this measure is to reduce sludge volume increasing the capacity of the digesters, improve solids destruction, and biosolids quality.

ECM-7. PRIMARY CLARIFIER

The extent of this ECM is to replace the worn and non-functional components of the existing collector mechanisms, and repair temporary modifications to existing mechanisms due to failure. In addition, the existing scum pumps will be replaced with new pumps with variable speed drives. The purpose of this measure is to replace failed equipment improving process efficiency and extending the life of existing assets.

ECM-8. SECONDARY CLARIFIER

The existing secondary clarifier #1 is currently performing dual process functions of secondary clarification and WAS thickening, and the existing clarifier mechanism is at end of life. Installation of ECM-4 allows this clarifier to be returned to its original design purpose providing additional secondary clarification capacity, and thereby overall plant capacity. Additionally, both secondary clarifiers will be cleaned and coated extending the life of the clarifiers; the alternative to ECM-4 and ECM-8 would be to build additional digester capacity at a much higher capital cost and increased energy use due to additional equipment.

ECM-9. DIGESTER BLOWERS

The existing digester blowers are at the end of their useful life. This ECM will replace all four blowers serving these digesters with two new hybrid blowers. The new blowers are more energy efficient, allow for variable airflow control to improve performance and efficiency of the digestion process, and provide increased aeration capacity necessary for thicker sludge in the digesters.

ECM-10. MIXED LIQUOR AERATION PIPE

The existing six-inch butterfly valve that tees off the main 14-inch air header used to isolate aeration to the mixed liquor channel leaks air and needs to be replaced. Additionally, the air piping in the mixed liquor channel is also leaking air and needs to be replaced. Eliminating these leaks will save aeration energy and improve process efficiency.

ECM-11. BELT FILTER PRESS HOOD

The belt filter press hood is designed to improve the collection and ventilation of corrosive water vapor and gasses from the belt filter press hood. The gasses cause degradation of the roof and supporting structure of the belt filter press building. The hood would extend the life of the building and provide avoided capital cost.

1.3 PROJECT COST AND SAVINGS

Based on the IGA, Trane has identified a \$4,412,137 combination of initiatives that, via the State of Washington's Energy Services Contract, will generate the following benefits for The City of Monroe:

- Achieve guaranteed utility reductions totaling 86,652 kWh/year, which equates to \$6,074 per year.
- Achieve maintenance and operational cost reduction of \$8,000 per year.
- Avoid planned capital replacement costs totaling over \$5,200,000 in the next ten years.
- Address and help prioritize items on the City's Comprehensive Sewer Plan as well as the WWTP assets by replacing equipment that is nearing end of life expectancy and quantify operational savings opportunities including energy savings.
- Increasing the treatment capacity of the plant through process modifications such as the addition of a disc thickener, which increases digester capacity.
- Extend the life of existing assets through refurbishment or through repurposing such as the conversion of the old grit chamber to a new WAS storage tank.
- Avoid imminent capital costs that the City will incur should existing equipment remain in service.
- Reduced energy cost by using more efficient equipment and improving process control.
- Maximize system life and reliability.

1.4 CONCLUSION

Trane appreciates the opportunity to present this ESP. The measures described in this proposal demonstrate that the City is actively working towards leveraging resources and revenue streams to optimize operation and minimize energy and operational costs. Trane looks forward to working with the City of Monroe and the Department of Enterprise Services on the implementation of this project.

2. FINANCIAL ANALYSIS

Trane completed an investment grade audit (IGA) of the WWTP. This IGA was used to develop the costs for the proposed ECMs. Table 2.1, Budget Summary, represent open book financials of this project. Table 2.2, Financial Proforma, demonstrates the Cash-flow Analysis, and incorporate annual energy savings, maintenance savings, and planned capital replacement costs.

2.1 MAXIMUM PROJECT ALLOWABLE COST

Trane guarantees that the Maximum Project Cost will not exceed \$3,991,862. Sales tax, Department of Enterprise Services fees, and utility incentives are not guaranteed nor are they incorporated in the Maximum Project Cost. Total project cost including sales tax and Department of Enterprise Services fee, is \$4,412,137. Refer to Table 2.1 in this section of the ESP for further details.

2.2 ITEMS INCLUDED IN MAXIMUM PROJECT COST

Maximum Project Costs includes the following:

1. Investment Grade Audit
2. Engineering
3. Construction management service
4. Measurement and Verification Fee (Year 1 only)
5. Project Contingency
6. Installation of Project Equipment include the following costs:
 - a. All costs paid by Trane for the installation of the Project equipment. This includes costs paid to subcontractors or directly to Trane personnel, when related to installation or system verification of Project equipment. Site Supervision shall include all hours:
 - i. when the project superintendent/site supervisor is on site
 - ii. when the project manager is on site or coordinating the work when offsite
 - iii. when the safety manager is conducting safety audits, developing the safety plan, or providing supervision on site
 - iv. when Trane's project development team is on site ensuring the intent of the project is accomplished
 - b. Cost of all equipment, materials, supplies and equipment incorporated in the Work, including costs of transportation thereof.
 - c. Cost or rental charges, including transportation and maintenance, of all materials, supplies, equipment, temporary facilities and hand tools not owned by the workers,

which are consumed in the performance of the Work, and cost less salvage value on such items used but not consumed which remain the property of Trane.

- d. Cost of premiums for all bonds and insurance, which Trane is required to purchase and maintain.
- e. Permit fees, royalties, and deposits lost for causes other than Trane's negligence.
- f. Sales, use, or similar taxes related to the Work and for which Trane is required to purchase and maintain.
- g. Losses and expenses not compensated by insurance or otherwise, sustained by Trane in connection with the work, provided they have resulted from causes other than the fault or neglect of Trane. Such losses shall include settlements made with the written consent and approval of the Owner. If, however, such loss requires reconstruction and Trane is placed in charge thereof, Trane shall be compensated for such services.
- h. Reimbursable expenses as contemplated in Section III B of the MESA.
- i. Demolition cost and cost of removal of all debris unless specifically excluded in the Scope of Work.
- j. Other costs incurred in the performance of the Work if and to the extent approved in advance in writing by the Owner.
- k. Contingency and Allowances as defined in Sections 2.3 and 2.4 of this ESP
- l. Cost of equipment startup, training, system verification, commissioning and balancing performed by Trane.
- m. Construction Bonds, Liability Insurance, and Builder's Risk Insurance.
- n. Trane fee. This includes Trane's remuneration for compensation of personnel, expenses, risks related to the project, overhead and profit. This is a fixed fee.
- o. Metering equipment costs for any permanent metering or monitoring equipment left on site.
- p. Trane shall provide a Schedule of Values at the end of construction bidding. The schedule of values will include all costs related to the installation of equipment, with the exclusion of fixed fee items.

2.3 CONSTRUCTION CONTINGENCY

A construction contingency as identified in Table 2.1, Budget Summary, has been established for this project. Trane can expend the contingency after a change order has been approved by the Owner and DES for items necessary to complete the original scope of this project. The intent of the contingency is for "unforeseen conditions" beyond what was originally estimated. Any construction period financing costs shall also be paid from this fund.

Trane shall be allowed to mark-up contingency funds expended for this project in accordance with the General Conditions of the MESA and at rates defined in Table 2.1. Trane, the DES and the Owner will jointly manage any contingency left after the project scope is completed. All unused construction contingency funds shall reduce the overall project cost to the Owner. However, the owner may also elect to use these funds for additional scope not included in the initial proposal.

2.4 ALLOWANCES

As agreed by the Owner and DES, Trane may set aside allowances that will be identified in Table 2.1, Budget Summary for specific areas of work that are a potential cost impact but cannot be determined during the IGA. Should the agreed upon allowance not be adequate, the Owner and DES will be advised, and Trane will be compensated for any additional costs via Change Order to the Contract. If actual costs for scope identified as allowance are less than the allowance amount in Table 2.1, the difference will be allocated to Contingency. In extreme situations, Trane may request additional funds to cover cost overruns that could not have been foreseen by either party. No allowance value has been identified for this project.

2.5 ON-GOING SERVICES

Measurement and Verification (M&V) for this project as defined in Section 4.5 of this ESP. No other on-going services have been proposed.

2.6 RECONCILIATION OF LABOR & MATERIAL COSTS

The maximum project allowable cost is based on firm negotiated bids or estimated Labor & Material costs developed by Trane. In recognition that actual Labor & Material costs may vary from the estimate, the following procedures are established to reconcile this difference:

1. If actual total Labor & Material costs exceed the estimated Labor & Material costs (plus Contingency), the additional expense will be borne by Trane without affecting the Owner's payment.
2. If actual total Labor & Material costs are less than the estimated Labor & Material costs (plus Contingency), the remaining funds will be retained by the Owner.

2.7 ENERGY SERVICES COMPANY (ESCO) COMPENSATION

PAYMENT TERMS

Owner shall pay Trane or cause Trane to be paid for the Services as follows:

1. Initial Payment - Upon receipt of notice to proceed and an executed contract, Trane will invoice for the following:
 - a. Investment Grade Audit fee
 - b. Other fees as appropriate including a portion of design, construction management and bonding
2. Monthly Progress Billing
 - a. All materials and equipment delivered to the Premises (or, as applicable, to an off-site storage facility)
 - b. All installation, labor and services performed, less project retention (if applicable)

3. Final Payment - Project Retention

DES will review all invoices, and forward them to the Owner. Owner shall pay all amounts due upon receipt of the invoice and any invoice not paid within thirty (30) calendar days of its date shall be past due.

FINANCE CHARGES ON UNPAID BALANCES

All amounts outstanding thirty (30) calendar days beyond the due date shall bear interest payable to Trane at the maximum allowable legal rate, retroactive to the due date. Owner shall pay all costs (including attorneys' fees) incurred by Trane in attempting to collect amounts due from the Owner. Finance charges will be paid out of Construction Contingency.

SUBSTANTIAL AND FINAL COMPLETION

Retention will be released within 45 days after receipt of all lien releases, L&I, Revenue and Employment Security certificates and releases by Owner.

When Trane considers that the Services, or a portion thereof, are substantially complete, Trane will submit to Owner and DES a proposed "punch list" listing items of the Services to be completed prior to final completion. Owner, DES, and Trane shall inspect the Services (or portion thereof) to determine if the same is substantially complete.

Substantial Completion is defined as the stage in the progress of the Services (or designated portion thereof) when the Services are sufficiently complete so that energy savings are being delivered.

Owner, DES, and Trane shall add to the punch list any item of work that has not been completed. When the Services (or designated portion thereof) are substantially complete, Owner, DES, and Trane shall execute a Certificate of Substantial Completion, setting forth the date of Substantial Completion and shall state the date by which Trane shall complete the items of work included on the punch list.

2.8 TERMS OF AGREEMENT

The contract shall be effective and binding upon the parties immediately upon its execution and the period from contract execution until the Commencement Date shall be known as the "Interim Period." All energy savings achieved during the interim period will be fully credited to Owner, and may be used to offset any loss of energy savings during the Guarantee Period; as mutually agreed to by the Owner, DES, and Trane.

TABLE 2.1 - STATE SHEET

MONROE - PHASE II

A. CONSTRUCTION COSTS			Costs
ECM-4	Sludge Thickening		\$ 832,795
ECM-7	Primary Clarifier		\$ 570,793
ECM-8	Secondary Clarifier		\$ 557,632
ECM-9	Digester Blowers		\$ 378,052
ECM-10	Mixed Liquor Aeration Pipe		\$ 33,145
ECM-11	Belt Filter Press Vent Hood		\$ 65,635
	Services During Construction (Commissioning and Startup)		\$ 126,302
	Site Supervision		\$ 247,901
	Safety, Site Conditions		\$ 11,550
Subtotal Labor and Materials Cost			\$ 2,823,804
	Construction Bond	1.20%	\$ 30,910.84
TOTAL CONSTRUCTION COST			\$ 2,854,715
B. ESCO FEES			
	IGA		\$ 43,990
	Preliminary Design (IGA)		\$ 123,247
	Final Design Fee (Construction)	6.10%	\$ 172,252
	Construction Management (= 6% of Labor & Mat'l)	6.0%	\$ 169,428
	Overhead (= 11% of Labor & Mat'l)	11.0%	\$ 310,618
	Profit (= 7% of Labor & Mat'l)	7.0%	\$ 197,666
TOTAL ESCO FEES			\$ 1,017,202
C. OTHER COSTS			
	Project Contingency	3.0%	\$ 115,230.19
	ESCO M&V Costs (Year 1)		\$ 4,714
TOTAL OTHER COSTS			\$ 119,944
D. TOTAL GUARANTEED CONSTRUCTION & ESCO SERVICES			\$ 3,991,862
E. NON-GUARANTEED COSTS			
	DES Fee		\$ 65,000
	Tax	8.9%	\$ 355,276
TOTAL NON GUARANTEED COSTS			\$ 420,276
F. TOTAL PROJECT COST			\$ 4,412,137

TABLE 2.2 - FINANCIAL PROFORMA

CITY OF MONROE - PHASE II

Project Related Capital Costs	\$	4,412,137
Estimated Utility Incentives	\$	-
Estimated Commerce Funding	\$	-
Project Related Capital Costs After Rebates	\$	4,412,137
Loan	No	
Customer Down Payment / Contribution	\$	4,412,137
Financed Interest Rate	3.85%	
Loan Term (Years)	10	
Hurdle Rate	8%	
Utility Escalation Rate	0.0%	

Annual Baseline Electric Use*	2,417,700	kWh
Annual Baseline Gas Use*	-	Therms
Annual Baseline Electric Cost*	\$	169,481
Annual Baseline Gas Cost*	\$	-
Projected Electric Savings	96,280	kWh
Projected Gas Savings	-	Therms
Projected Energy Savings	\$	6,749
Cash Flow Positive	5.0	Years

CUSTOMER STATUS QUO											
Year	0	1	2	3	4	5	6	7	8	9	10
OPERATING COSTS											
ANNUAL UTILITY COST		\$ 169,481	\$ 169,481	\$ 169,481	\$ 169,481	\$ 169,481	\$ 169,481	\$ 169,481	\$ 169,481	\$ 169,481	\$ 169,481
PROJECT RELATED COSTS											
DEBT SERVICE/ CAPITAL COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ANNUAL FEES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL COST AVOIDANCE											
ECM-4 Avoided Cost of New Digester						\$ 2,323,204					
ECM-7 Clarifier Rebuild				\$ 1,061,540							
ECM-7 Expected Cost of Emergency Hauling in the Event of Clarifier Failure for 12 Weeks - 20% Probability Per Year		\$ 17,093	\$ 17,093	\$ 17,093							
ECM-8 Clarifier Rebuild				\$ 1,037,064							
ECM-8 Expected Cost of Emergency Hauling in the Event of Clarifier Failure for 12 Weeks - 20% Probability Per Year		\$ 17,093	\$ 17,093	\$ 17,093							
ECM-9 Digester Blower Replacement								\$ 703,088			
OPERATIONAL SAVINGS											
ECM-4 Additional Cost of Maintenance		\$ (3,500)	\$ (3,500)	\$ (3,500)	\$ (3,500)	\$ (3,500)	\$ (3,500)	\$ (3,500)	\$ (3,500)	\$ (3,500)	\$ (3,500)
ECM-7 Primary Clarifiers		\$ 5,000	\$ 5,000	\$ 5,000							
ECM-8 Secondary Clarifiers		\$ 5,000	\$ 5,000	\$ 5,000							
ECM-9 Digester Blowers		\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500			
ANNUAL CASH FLOW		\$ 205,166	\$ 205,166	\$ 2,303,771	\$ 165,981	\$ 2,489,185	\$ 165,981	\$ 869,069	\$ 165,981	\$ 165,981	\$ 165,981
CUMULATIVE CASH FLOW		\$ 205,166	\$ 410,333	\$ 2,714,103	\$ 2,880,084	\$ 5,369,269	\$ 5,535,250	\$ 6,404,319	\$ 6,570,300	\$ 6,736,281	\$ 6,902,261
TRANSE PERFORMANCE CONTRACT											
Year	0	1	2	3	4	5	6	7	8	9	10
OPERATING COSTS											
ANNUAL UTILITY COST	\$ -	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732
PROJECT RELATED COSTS											
DEBT SERVICE/ CAPITAL COSTS	\$ 4,412,137	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ANNUAL CASH FLOW	\$ 4,412,137	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732	\$ 162,732
CUMULATIVE CASH FLOW	\$ 4,412,137	\$ 4,574,869	\$ 4,737,600	\$ 4,900,332	\$ 5,063,063	\$ 5,225,795	\$ 5,388,527	\$ 5,551,258	\$ 5,713,990	\$ 5,876,721	\$ 6,039,453
ANNUAL SAVINGS	\$ (4,412,137)	\$ 42,435	\$ 42,435	\$ 2,141,039	\$ 3,249	\$ 2,326,454	\$ 3,249	\$ 706,338	\$ 3,249	\$ 3,249	\$ 3,249
CUMULATIVE SAVINGS	\$ (4,412,137)	\$ (4,369,702)	\$ (4,327,268)	\$ (2,186,229)	\$ (2,182,979)	\$ 143,474	\$ 146,723	\$ 853,061	\$ 856,310	\$ 859,559	\$ 862,809
IRR	4.4%										
NPV	NA										
CUMULATIVE SAVINGS (20 YEARS)	\$930,301										

NOTE: Rates And Term Are Subject To Change Depending On Current Financial Markets

3. SCOPE OF WORK

TRANE identified opportunities to improve the treatment process and increase energy efficiency at City of Monroe’s Wastewater Treatment Plant during the course of the IGA. City staff and the DES have been heavily included throughout the IGA and the resulting scope of work reflects short and long term goals of the City.

3.1 ENERGY CONSERVATION MEASURES NARRATIVE

The proposed Energy Savings Performance Contract (ESPC) consists of the following Energy Conservation Measures (ECMs), which were prioritized based upon the results of the IGA and agreed upon by the Owner. Further detail on the scope of work is in section 3.4 of this ESP.

ECM-4. SLUDGE THICKENING

This improvement will consist of installing a new disc thickener, flocculation tank, polymer system, progressive cavity WAS and thickened WAS pumps, and aeration control and diffuser system for mixing and aerating WAS storage. The existing unused grit chamber will be converted to WAS storage, and aeration will be supplied to the new WAS tank by coarse bubble diffusers connected the new digester blowers (ECM-9). The WAS storage tank will also be covered with aluminum panels and ventilated the existing odor control system, and the portion of the roof that must be removed to install the thickener will be replaced with new, and the existing lighting fixtures re-hung. The purpose of this measure is to reduce sludge volume increasing the capacity of the digesters, improve solids destruction, and biosolids quality.

ECM-7. PRIMARY CLARIFIER

The extent of this ECM is to replace the worn and non-functional components of the existing collector mechanisms, and repair temporary modifications to existing mechanisms due to failure. The existing mechanism is driven by a single motor for both the main collectors and the cross collectors. The cross collector drive mechanism has failed. A new two motor drive system made with high molecular plastic and stainless steel components has been chosen in order to provide reliability and performance to the clarifier mechanism restoring treatment capacity. In addition, the existing double-disc diaphragm pumps will be replaced with new progressive cavity scum pumps with variable speed drives.

ECM-8. SECONDARY CLARIFIER

The existing secondary clarifier #1 is currently performing dual process functions of secondary clarification and WAS thickening. Installation of ECM-4 allows this clarifier to be returned to its original design purpose providing additional secondary clarification capacity, and thereby overall plant capacity. The existing clarifier mechanism is at end of life and will be replaced with a new tapered suction header mechanism, and the existing fiberglass dome cover will be removed and aluminum

guardrails installed. Additionally, both secondary clarifier launders, walls and floors will be cleaned and coated with 100% solids ultra-high-build epoxy coating. The alternative to ECM-4 and ECM-8 would be to build additional digester capacity which would be a much higher cost and less energy efficient measure.

ECM-9. DIGESTER BLOWERS

The existing rotary lobe blowers providing air to Primary Digester No. 2 and the Secondary Digester are at the end of their useful life. This ECM will replace all four of the existing rotary lobe blowers serving these digesters with two new hybrid blowers. The new blowers would be more energy efficient, allow for variable airflow control to improve performance and efficiency of the digestion process, and provide increased aeration capacity necessary for thicker sludge in the digesters. Improvements also include integration of controls to allow operation based on measurement of oxidation-reduction potential, replacement of piping and valves, addition of variable frequency drives, and control programming modifications.

ECM-10. MIXED LIQUOR AERATION PIPE

The existing six-inch butterfly valve that tees off the main 14-inch air header used to isolate aeration to the mixed liquor channel leaks air and needs to be replaced. Additionally, the air piping in the mixed liquor channel is also leaking air and needs to be replaced. All aeration air piping and isolation valves upstream of the channel diffuser drops will be replaced with Schedule 10 stainless steel piping. Gaskets on the connecting ductile iron pipe will be replaced to mitigate additional leakage concerns. Eliminating these leaks will improve efficiency of the aeration process.

ECM-11. BELT FILTER PRESS HOOD

The belt filter press hood is designed to improve the collection and ventilation of corrosive water vapor and gasses from the belt filter press hood. The gasses cause degradation of the roof and supporting structure of the belt filter press building. The hood would extend the life of the building and provide avoided capital cost.

3.2 ESCO SERVICES

Trane will provide the following services related to this project:

a. **ENERGY AUDIT**

The energy audit portion of this project is complete and can be found in Section 5, Investment Grade Audit Appendices.

b. **DESIGN SERVICES**

Trane will provide design services as needed to construct the project and obtain permitting, Owner review, approval of the proposed system, and to obtain competitive bids as appropriate for the project. In addition, Trane will also provide construction support services, start-up, testing, as-built drawings of systems installed, and provide relevant operations and maintenance manuals.

c. **CONSTRUCTION**

Provide, or cause to be provided, all material, labor, and equipment, including permits, fees, bonds, and insurance, required for the complete and working installation of

equipment.

- a. Trane will provide a site superintendent who will be responsible for the onsite supervision and coordination of trades and subcontractors. This individual's responsibilities will also include regular work observations, quality control, site security, enforcement of the site-specific safety plan, as well as coordinating any impact upon wastewater process or occupancy schedules of City buildings with the Owner.
- b. Trane will provide site safety plan prepared and audited on site by our District Safety Manager in addition to the site superintendent.
- c. Trane may perform portions of the construction work with the approval of the owner or may subcontract portions to qualified firms. In either case, Trane will share information regarding actual costs of the work with the Owner.
- d. When Trane has completed the installation of the equipment, including start-up, operations verification, and training in accordance with the proposal, DES and Trane will provide the Owner a "Notice of Commencement of Energy Savings."
- e. At the conclusion of the project, DES and Trane will submit a "Notice of Substantial Completion" to the Owner.

d. CONSTRUCTION MANAGEMENT

Trane will provide a construction manager who will provide contract administration services for the project. The Owner is expected to coordinate day-to-day communications with tenants and any scheduling of tenant relocations in and around occupied areas.

e. OPERATION TRAINING

Trane will provide training of building staff during construction and project closeout.

f. MEASUREMENT AND VERIFICATION (M&V)

Trane will provide measurement and verification to ensure that predicted savings are achieved throughout the term of the agreement. Additional on-going services shall be under separate agreement. Specific measurement and verification tasks associated with this project can be found in section 4 of this ESP.

g. SYSTEM COMMISSIONING

Refer to the Detailed Scope of Work in this Section of the ESP for system commissioning requirements.

h. EQUIPMENT MAINTENANCE

Trane will provide no equipment maintenance or repairs after the warranty period. Following the completion of the installation and acceptance by the Owner of the equipment, the Owner shall provide all necessary service, repairs, and adjustments to the equipment so that the equipment will perform in the manner and to the extent set forth in the proposal. Trane shall have no obligation to service or maintain the equipment after the warranty period.

i. WARRANTY

Trane will warrant equipment for one year following Notice of Substantial Completion. Specific information regarding equipment warranty will be passed on to the Owner.

j. HAZARDOUS WASTE

Should the project require removal or disposal of hazardous material, Trane may have the hazardous material or substances removed and disposed of at the request of the Owner. Trane typically does not assume ownership of the material but may act on behalf of the Owner to properly remove and dispose of the material. As hazardous materials have not been identified during the IGA, these costs are not included in the guaranteed maximum cost. The Owner agrees and acknowledges that it has not relied on or employed Trane to analyze or identify the presence of any hazardous substance on the Owner's premises. The cost of hazardous materials abatement and disposal is not included in this proposal.

3.3 PROJECT SCHEDULE

Trane will develop a final Project Schedule once a notice to proceed has been received from the Department of Enterprise Services. Substantial completion will be within 365 calendar days after receipt of the notice to proceed.

3.4 DETAILED SCOPE OF WORK

Refer to the following 'Detailed Scope of Work' narrative located in this section of the ESP as well as the preliminary design documents located in Section 5.7 of this ESP for further detail. The following order of precedence has been established for the scope of work documents in this ESP. 1) Preliminary design documents located in Section 5.7 and 5.8 of this ESP. 2) The scope of work narrative located in Section 3 of this ESP.

DETAILED SCOPE OF WORK – WWTP

ECM-4. SLUDGE THICKENING

GENERAL/MECHANICAL

Mechanical and General work for this project will include the following:

- a. Trane will furnish and install: one (1) new disk thickener complete with flocculation tank and mixer, hopper, polymer mixing system, control panel, wash water controls, and connectors between the flocculation tank and disk thickener and between the disk thickener and hopper
- b. One (1) new emulsion polymer feed system (complete with polymer feed pump, calibration column, dilution water controls, activation chamber and control panel)
- c. One (1) new progressive cavity WAS pump (complete with discharge pressure ring, high pressure switch, pressure gauge, and run dry protection device)
- d. One (1) progressing cavity TWAS pump (complete with discharge pressure ring, high pressure switch, pressure gauge, and run dry protection device)
- e. One (1) thermal mass airflow meter and one (1) actuated butterfly valve for control of airflow to the WAS storage tank
- f. One (1) duckbill coarse bubble diffuser assembly consisting of 10 diffusers for mixing and aerating the WAS storage tank
- g. Two (2) variable frequency drives (VFDs) for the WAS and TWAS pumps
- h. Two (2) motorized plug valves
- i. Three (3) sludge flow meters
- j. One (1) high level float switch
- k. One (1) ultrasonic level transducer and transmitter.
- l. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ELECTRICAL

Electrical work for this project will include the following:

- a. Trane will supply all high and low voltage wiring and terminations, electrically test the equipment and provide SCADA programming modifications to integrate the new equipment and controls. Programming of the disk thickener PLC will be by the disk thickener manufacturer.
- b. Electrical demolition. Remove old, unused wires from equipment to be demolished. Cut and cap conduits not to be reused at both ends. Remove Existing starters, controls, etc. not being reused associated with equipment being Demolished and install blanks to cover openings at MCCs and control panels. Existing breakers shall remain and disconnect switches locked for buckets that are emptied.
- c. Provide power and control conduit and wiring to new equipment, including disconnects, junction boxes and conduit seals where required for compliance with electrical codes and

as shown on the attached drawings. Power to the new WAS and TWAS pumps, the new disk thickener, the new emulsion polymer system, and the new actuated plug valves shall be fed from the existing EMCC located in the Electrical Room of the existing Operations Building. The VFDs for the new WAS and TWAS pumps shall be installed locally in the room housing the new WAS and TWAS pumps.

- d. Electrical and control testing. Electrical testing shall include rotation test of equipment and testing of all electrical protective devices. Control testing shall include a functional test of all instruments and control logic to verify proper operation under all operating conditions.
- e. Connect existing turbo blower B-311 to the existing EMCC. It is currently connected to the existing NMCC in the Electrical Room of the existing Operations Building. Conduit and wire shall be routed from the existing NMCC to the existing EMCC on the opposite wall of the Electrical Room. Furnish and install a new 150-amp breaker in the existing EMCC to connect existing blower B-311, which will allow it to run on emergency power.
- f. Furnish and install five (5) new 4-foot LED NEMA 4 light fixtures (Blizzard EXT -100W LED, or equal) in the room housing the new WAS and TWAS pumps to provide additional lighting.
- g. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ECM-7. PRIMARY CLARIFIERS

GENERAL/MECHANICAL

Mechanical and General work for this project will include the following:

- a. Trane will furnish and install: two (2) flight and chain type collector mechanism for the 13-foot wide by 66-foot long rectangular primary clarifiers complete with new main collector mechanisms, cross collector mechanisms, actuated scum skimmer, launders and weirs, scum baffles, wear strips, and return tracks
- b. Two (2) new progressive cavity primary scum pumps complete with discharge pressure ring, high pressure switch, pressure gauge, run dry protection device, and variable frequency drives
- c. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ELECTRICAL

Electrical work for this project will include the following:

- a. Trane will supply all high and low voltage wiring and terminations, electrically test the equipment and provide PLC and SCADA programming modifications to integrate the new equipment and controls and implement the control strategy described in Section 5.7 of this ESP.
- b. Primary Clarifier Collector Drives: Install conduit and wire to provide 480V, 3-phase power to the new primary clarifier main and cross collector drives from the existing EMCC located in the Electrical Room of the Operations Building, and between the control stations and clarifier drives. Install control conduit between the new clarifier drives/controls and new

control stations and between the new control stations and the Main Control Panel located in the existing Operations Building. Make the necessary modifications to the existing PLC and SCADA system programming to incorporate the new clarifier drives and associated controls.

- c. Electrical demolition. Remove old, unused wires from equipment to be demolished. Cut and cap conduits not to be reused at both ends. Remove existing starters, controls, etc. not being reused associated with equipment being demolished and install blanks to cover openings at MCCs and control panels. Existing breakers shall remain and disconnect switches locked for buckets that are emptied.
- d. Provide power conduit and wiring to the new primary clarifier drives including a new disconnect, junction boxes and conduit seals where required for compliance with electrical codes and as shown on the attached drawings. Power to the new primary clarifier drives shall be fed from the existing EMCC located in the Electrical Room of the existing Operations Building, which currently supplies power to the existing drives. Trane may utilize the existing ¾-inch power conduit for the main collector drives, but new wire shall be pulled. New conduit for power to the cross collector drives shall be installed between the drives and existing spare conduits in the Primary Clarifier Pump Gallery and between the existing EMCC and where the existing spare conduits are terminated inside the Electrical Room of the existing Operations Building. New wire shall be pulled to power the cross collector drives as well.
- e. Provide power conduit and wiring to the new scum skimmer actuators, including a new disconnect, junction boxes and conduit seals where required for compliance with electrical codes and as shown on the attached drawings. Power to the new scum skimmer actuators and primary scum pump VFDs shall be fed from the existing NMCC located in the Electrical Room of the existing Operations Building, which currently supplies power to this existing equipment. Trane may utilize the existing power conduit, but new wire shall be pulled. New primary scum pump VFDs will be installed locally in the Primary Clarifier Pump Gallery.
- f. Scum Skimmer Actuators: The two new scum skimmer actuators shall receive 480V, 3-phase power from the existing NMCC located in the Electrical Room of the existing Operations Building, with a separate breaker for each actuator. The actuators will be equipped with local controls on the valve operator and shall also be wired to RCP-100 in the Headworks Building for remote control. Remote control shall include monitoring and control of valve position, monitoring of local/remote status and monitoring of alarms.
- g. Primary Sludge Flow Meter: Provide signal conduit and wiring between the flow meter transmitter and RCP-100 in the Headworks Building.
- h. Electrical and control testing: Electrical testing shall include rotation test of equipment and testing of all electrical protective devices. Control testing shall include a functional test of all instruments and control logic to verify proper operation under all operating conditions.
- i. Drawing E-702 shows an Ethernet connection between the scum pump VFDs and RCP-100, though Trane may also elect to hardwire the control signals.
- j. Existing Local Control Panel LCP-207 is to be reused for the new primary scum pumps. The panel appears to be in good condition, though some control wiring modifications should be expected. As with the existing primary sludge pumps, which are also Seepex pumps, the high discharge pressure and run dry alarm signals can be combined to a common fail alarm at the panel. The high discharge pressure push button alarm light at the panel would be wired for this common alarm and relabeled.
- k. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ECM-8 SECONDARY CLARIFIERS

GENERAL/MECHANICAL

Mechanical and General work for this project will include the following:

- a. Trane will furnish and install: one (1) new tapered suction header type clarifier mechanism for an existing 47-foot diameter secondary clarifier tank complete with center pier, drive cage, drive, controls and control panel, drive platform, walkway bridge, energy dissipating inlet, influent feedwell with baffled scum ports, two truss arms, tapered suction header, one suction manifold, two scum skimmer assemblies, two skimmer blades, one 4-foot scum box, scum baffle, and Stamford density current baffle.
- b. All metal components of the new clarifier mechanism, except for the drive, will be 304 stainless steel.
- c. The existing fiberglass dome will be removed and aluminum guardrails installed around the perimeter of the clarifier.
- d. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ELECTRICAL

Electrical work for this project will include the following:

- a. Trane will supply all high and low voltage wiring and terminations, electrically test the equipment and provide PLC and SCADA programming modifications to integrate the new equipment and controls and implement the control strategy described herein.
- b. Electrical demolition. Remove old, unused wires from equipment to be demolished. Cut and cap conduits not to be reused at both ends. Remove existing starters, controls, etc. not being reused associated with equipment being demolished and install blanks to cover openings at MCCs and control panels. Existing breakers shall remain and disconnect switches locked for buckets that are emptied.
- c. Clarifier Drive: Install conduit and wire to provide 480V, 3-phase power to the new clarifier drive control panel from the existing MCC-400E located in the existing Facility Building, and between the control panel and drive motor. Install control conduit between the new clarifier drive control panel and the RCP-400 in the existing Facility Building, and between the control panel and individual switches on the clarifier drive. Make the necessary modifications to the existing RCP-400 and SCADA system programming to incorporate the new clarifier drive and controls.
- d. Provide power and control conduit and wiring between the new clarifier drive and the new locally mounted clarifier control panel.
- e. Provide power and control conduit and wiring to the new clarifier control panel, including a new disconnect, junction boxes and conduit seals where required for compliance with electrical codes and as shown on the attached drawings. Power to the new clarifier control panel shall be fed from the existing MCC-400E located in the existing Facility Building, which currently supplies power to the existing drive. Trane may utilize the existing conduit, but new wire shall be pulled and exposed conduit at the clarifier shall be replaced.

- f. Electrical and control testing: Electrical testing shall include rotation test of equipment and testing of all electrical protective devices. Control testing shall include a functional test of all instruments and control logic to verify proper operation under all operating conditions.
- g. Heat Tracing: Extend single-phase, 120-volt power from the nearby outlet for the new heat tracing along the exposed 3W piping in the clarifier tank.
- h. Furnish and install pipe insulation and heat tracing cable for the exposed 3W piping.
- i. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ECM-9 DIGESTER BLOWERS

GENERAL/MECHANICAL

Mechanical and General work for this project will include the following:

- a. Trane will furnish and install: two (2) hybrid digester blowers complete with enclosure, cooling fan, motor, inlet/outlet silencers, inlet filter, check valve, pressure relief valve, internal pressure and temperature instruments, integral controller and integral VFD
- b. Five (5) isolation butterfly valves
- c. Two (2) ORP probes
- d. One (1) transmitter for the ORP probes
- e. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ELECTRICAL

Electrical work for this project will include the following:

- a. Trane will supply all high and low voltage wiring and terminations, electrically test the equipment and provide PLC and SCADA programming modifications to integrate the new equipment and controls and implement the control strategy described herein.
- b. Electrical demolition. Remove old, unused wires from equipment to be demolished. Cut and cap conduits not to be reused at both ends. Remove existing starters, controls, etc. not being reused associated with equipment being demolished and install blanks to cover openings at MCCs and control panels. Existing breakers shall remain and disconnect switches locked for buckets that are emptied.
- c. Provide power and control conduit and wiring to the new hybrid digester blowers, including new disconnects, junction boxes and conduit seals where required for compliance with electrical codes and as shown on the attached drawings. Power to the new hybrid digester blowers shall be fed from the existing EMCC located in the existing Operations Building, which currently supplies power to two of the existing rotary lobe digester blowers. The existing conduit to the existing blowers appears to be 1-inch. Therefore, Trane may utilize the existing conduit, to route new wire to the existing EMCC in the Operations Building.
- d. Electrical and control testing. Electrical testing shall include rotation test of equipment and testing of all electrical protective devices. Control testing shall include a functional test of all instruments and control logic to verify proper operation under all operating conditions.

- e. Install conduit and wire between the existing EMCC in the Electrical Room of the Operations Building and the VFDs of the new hybrid digester blowers in the Compressor Room to provide 480V, 3-phase power to the new blowers. Trane may utilize conduit for two of the existing rotary lobe digester blowers is already routed to the existing EMCC. The new VFDs shall be Allen-Bradley and will be integrated with the blower by the manufacturer. Install control conduit and wire between each blower controller and the existing Main PLC in the Operations Building to monitor run status, remote status, blower speed, and fail alarm for each blower and to issue call-to-run and speed command for each blower.
- f. Provide conduit and wiring for 120V, single-phase power to one ORP transmitter from a distribution panel in the Electrical Room of the existing Operations Building. Also, provide signal and control conduit and wiring between the ORP probe and transmitter, and between the OPR transmitter and the Main PLC in the Operations Building.
- g. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ECM-10 MIXED LIQUOR AERATION PIPE

GENERAL/MECHANICAL

Mechanical and General work for this project will include the following:

- a. There is no equipment associated with ECM #10. The extent of the work to be performed is primarily the replacement of an existing aeration header in the mixed liquor channel as well as providing seven (7) connections and isolation valves for the existing air diffuser drops.
- b. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ELECTRICAL

No electrical work is associated with ECM #10.

ECM-11: BELT FILTER PRESS HOOD

GENERAL/MECHANICAL

Mechanical and General work for this project will include the following:

- a. Trane will furnish and install: one (1) vent hood over the existing Belt Filter Press (BFP).
- b. Refer to the preliminary design documents located in Sections 5.7 and 5.8 of this ESP for further detail.

ELECTRICAL

No electrical work is associated with ECM #11.

CLARIFICATIONS/EXCLUSIONS

1. The following order of precedence has been established for the scope of work documents in this ESP. 1) Preliminary design documents located in Section 5.7 and 5.8 of this ESP. 2) The scope of work narrative located in Section 3 of this ESP.
2. The Scope of Work does not include the treatment, disposal or discharge of any sewage or sewage-containing materials, and it is understood and agreed that Trane is not responsible for the treatment, disposal or discharge of sewage or sewage containing materials under this Agreement. Under no circumstances will Trane be held liable for any damage, liability, fine, penalty, fee or costs associated with, related to, or arising from the treatment and discharge of sewage or sewage-containing materials, or the disposal of sewage or sewage-containing materials including, but not limited to, any liability for the release, spilling discharge or improper disposal of sewage or sewage-containing materials.
3. Replacement of any equipment or system except those components specified above is not included. It is assumed that existing equipment to remain is functioning per City staff, latest record drawings and manufacturer specifications.
4. This proposal is based on completing the work during normal working hours and does not include shift differential.
5. This proposal is based on performing the work in accordance with the enclosed schedule and will require some service outages. During the course of the required outages Trane will work with the City to maintain a healthy and safe environment. Due to the nature of the working environment and variability in daily flow, Trane makes no guarantees for events out of our control.
6. This proposal is based on preparations to purchase, receive, handle, and stage material on site as well as to place construction debris in a dumpster located on site.
7. This proposal does not include any extra equipment or materials.
8. This proposal does not include hazardous material removal and/or abatement (asbestos, mold, lead, etc.). It is assumed that the City will bear any costs associated with hazardous material identification and abatement.
9. Should an authority having jurisdiction call upon Trane to rectify real or potential code violations beyond those included in the scope above and in Sections 5.7 and 5.8 of this ESP, Owner contingency funds will be used to cover the cost of said rectifications.
10. In lieu of retention being withheld, Trane will provide a retention bond prior to construction activities. Per the General Conditions of the MESA, the bond will be 5% of the estimated construction costs
11. In order to function properly, the new equipment described above requires interaction with many pieces of existing equipment and other wastewater systems that will remain in operation during and following the upgrade. Our scope of work does not include any work on these other systems other than what is required for a complete installation and testing of the measures identified in this proposal.

4. ENERGY AND PERFORMANCE GUARANTEE

4.1 SAVINGS AND PROJECT INCENTIVES

4.1.1 ANNUAL UTILITY COST SAVINGS

The combined impact of the ECMs included in the proposed project will create stipulated reductions in annual energy usage of 96,280 kWh (\$6,749).

4.2 DETAILED ENERGY CALCULATIONS

Please refer to Section 5.6 of this ESP for further detail regarding actual energy savings calculations. Table 4.1 provides a summary of calculated and guaranteed energy savings by ECM.

TABLE 4.1 – SUMMARY OF SAVINGS BY ECM

Energy Conservation Measure	kWh (100% Calculated)	kWh (90% Guaranteed)
ECM-4: SLUDGE THICKENING	91,395	82,255
ECM-7: PRIMARY CLARIFIER	-	-
ECM-8: SECONDARY CLARIFIER	-	-
ECM-9: DIGESTER BLOWERS	-	-
ECM-10: MIXED LIQUOR AERATION PIPE	4,885	4,397
ECM-11: BELT FILTER PRESS HOOD	-	-
TOTALS:	96,280	86,652

4.3 UTILITY DATA

Please refer to Section 5.5 of this ESP for further detail regarding historical utility data for the wastewater treatment plant. Table 4.2 is a summary of annual energy usage for the wastewater treatment plant. Table 4.3 defines the base and floor electrical utility rate used in this ESP and for the Guarantee Term.

TABLE 4.2 – SUMMARY OF WWTP ENERGY USE

Building	Average Daily Flow (MGD)	kWh Usage	Electric Cost	Electric MMBTU/MGD
WWTP	1.5	2,417,700	\$169,240	5,501

TABLE 4.3 – UTILITY RATES AND ENERGY COSTS

Building	Utility Provider	Electricity Usage (kWh)	Electricity Cost (\$/kWh)
Wastewater Treatment Plant	SnoPUD	2,417,700	\$0.0701

4.4 – ENERGY AND PERFORMANCE GUARANTEE

SAVINGS GUARANTEE

Trane stipulates that, as a result of Trane’s implementation of the ECM detailed above, this ECM will create a Total Energy Savings of 86,652 kWh in the twelve-month period following the Commencement Date.

TOTAL ENERGY SAVINGS

The energy savings shall be computed as specified in this ESP. Utilizing as-built documentation (drawings, start-up logs, and field measurements), Trane will determine Total Energy Savings for the Guarantee Year by updating the energy calculations found in Section 5.6 of this ESP.

CONSTRUCTION/INTERIM PERIOD SAVINGS

Energy savings accrued prior to the Commencement Date accrues for the sole benefit of the owner.

COMMENCEMENT DATE AND GUARANTEE TERM

The "Commencement Date" shall be the same as the date of substantial completion. This Guarantee shall begin as of the Commencement Date and, unless this Agreement shall terminate earlier, shall expire on the day immediately preceding the one year anniversary of the Commencement Date (hereinafter the "Guarantee Term").

BASE UTILITY RATES

The Base Utility Rates are those utility rates used in the Utility Baseline Analysis that are used to calculate the energy savings, and is the "Base" rate as set forth in Table 4.3 of this proposal. The Base Utility Rates used to calculate energy savings will be used as the floor price for the Guarantee Term and shall be the lowest rate used. In calculating any energy savings, Trane will use the greater of the then current applicable utility rate unit cost or the Base Utility Rates as described herein. The Base Utility Rates used to calculate energy increases will be used as the ceiling price for the Guarantee Term and shall be the highest rate used. In calculating any reduction in energy savings, Trane will use the lesser of the then current applicable utility rate unit cost or the Base Utility Rates as described herein.

ADJUSTMENTS

Trane may make adjustments to the Baseline using standard and sound engineering principles as follows:

- a. Process/Building Changes: The Baseline may be adjusted to account for any remodeling, addition of equipment, or change in usage or process. Customer agrees to contact Trane

within fifteen (15) calendar days of commencement of any changes or additions of equipment or environments; and

- b. At Trane's discretion, based on data or other information newly discovered or otherwise not readily available at the time the Baseline was prepared; and/or
- c. Failure of Owner to perform its obligations outlined in this section of the ESP.

OWNER RESPONSIBILITIES

Owner acknowledges that they have an integral role in achieving savings and agrees to perform the following responsibilities:

- a. Properly maintain, repair, and replace all energy consuming equipment with equipment of equal or better energy and operational efficiencies and promptly notify Trane of the repair and /or replacement, but no later than within fourteen (14) calendar days from the commencement thereof;
- b. Make available to Trane upon its request copies of maintenance records and procedures regarding maintenance of the Premises;
- c. Promptly provide Trane with notice of system and building alterations at the Premises that impact energy consumption, including but not limited to: energy management systems, and heat recovery systems;
- d. Log any utility meters and the operation of any energy consuming devices or equipment as directed by Trane and furnish copies of such logs to Trane within thirty (30) calendar days after preparation of the logs;
- e. Provide to Trane true, accurate and complete descriptions of all energy consuming devices within fifteen (15) days after installation and startup of such equipment. The parties stipulate that, in each event that Owner fails to provide this information within thirty (30) days after the startup of such equipment, Customer shall be deemed to have realized that portion of the Total Energy Savings prorated for the utility billing period to which said energy related bill relates and for such subsequent utility billing periods as are affected by an increase in energy and/or demand use that could have been avoided had Trane been provided with the energy related information in a timely manner. In the event Trane subsequently receives or obtains the untimely energy related bill and such bill discloses that savings were achieved in an amount greater than had been stipulated hereunder, such greater savings will be used in calculating Actual Savings;
- f. Furnish to Trane true, accurate and complete copies of any utility rate schedules or tariffs promptly upon Trane's request
- g. Maintain in effect and fully perform its obligations under the Maintenance Agreement throughout the duration of the Guarantee; and

EXCLUSIONS FROM TRANE'S RESPONSIBILITIES

Trane shall not be responsible for any of the following:

- a. Any shortfalls in Total Energy Savings resulting from changes in the wastewater process due to forces outside of Trane control;
- b. Any shortfalls in Total Energy Savings or Operational Savings, failure to satisfy the Guarantee, or for loss, damage or malfunction to equipment, systems, controls or building(s) structures resulting from non-Trane personnel examining, adjusting or repairing equipment, systems, or controls;

- c. Any damage or malfunction resulting from freezing, corrosion or erosion on the water side of the equipment or caused by scale or sludge on equipment;
- d. Problems or damages caused by utility service or damage sustained by equipment or systems;
- e. Furnishing any items of equipment, material, or labor, or performing tests recommended or required by insurance companies or federal, state, or local governments; and
- f. Failure or inadequacy of any structure or foundation supporting or surrounding equipment or work or any portion thereof.

INDEPENDENT AUDIT

Within thirty (30) days after each anniversary of the Commencement Date, Customer may provide written notice to Trane that Customer intends to have performed an audit of the savings calculations and billings for the immediately preceding Guarantee Year. Customer and Trane shall thereupon select agreed upon experienced and qualified energy engineering auditors to complete and submit to the parties an audit of the savings calculations and billings for the immediately preceding Guarantee Year. Customer shall pay for the entire cost of the audit. The audit shall be completed within thirty (30) days of selection of the auditor. Exercise of the right to request an audit shall in no way relieve Customer of its continuing obligation to make current payments pursuant to this Agreement. Any payments between the parties necessary to resolve any agreed upon irregularities identified in the audit will be made within sixty (60) days after submission of the audit to the parties.

4.5 – MEASUREMENT AND VERIFICATION (M&V) PLAN

Trane’s measurement and verification (M&V) approach for this project is as follows:

ECM-4. SLUDGE THICKENING
ECM-7. PRIMARY CLARIFIERS
ECM-8. SECONDARY CLARIFIERS
ECM-9. DIGESTER BLOWERS
ECM-10. MIXED LIQUOR AERATION PIPE
ECM-11: BELT FILTER PRESS HOOD

AGREED UPON PARAMETERS

Refer to Table 4.4, Measurement and Verification (M&V) Action Plan Outline, in this section of the ESP and Section 5.6 of this ESP for a full listing of agreed upon parameters.

APPLICABILITY

This performance guarantee applies to the ECMs listed above at the wastewater treatment plant in City of Monroe, Washington.

EXISTING CONDITIONS

Based on site visits, field measurements, data logging, interviews with The City staff, daily log/DMR data, and engineering calculations the existing conditions have been defined in the ‘Measurement and Verification (M&V) Action Plan Outline’ in this section of the ESP, and scope of work narrative and preliminary design drawings in this ESP.

PRE-RETROFIT CONSUMPTION DATA

Pre-retrofit power consumption data was collected by Trane during the investment grade audit. Annual operational hours and set points were established through data logging and reviewing historical trend/log data supplied by City of Monroe, Refer to Section 5.6 of this ESP for further detail regarding power consumption measurements and a summary of trend data.

PRE-RETROFIT CONSUMPTION DATA

Pre-retrofit power consumption data was collected by Trane during the investment grade audit. Annual operational hours and set points were established through data logging and reviewing historical trend/log data supplied by Kitsap County, Refer to Section 5.6 of this ESP for further detail regarding power consumption measurements and a summary of trend data.

PRE-RETROFIT CONSUMPTION DATA AND MEASUREMENT METHODOLOGY

A combination of historical reports and trends provided by The County, utility data, and Trane field measurements were used to determine the baseline values for the following stipulated variables:

- ECM-4. SLUDGE THICKENING

- INPUT KW (Baseline Input kW for the equipment listed has been estimated based on power required for the existing digesters)
- ANNUAL RUN HOURS (Baseline Run hours for the equipment listed have been estimated based on run hours of existing digester equipment)
- ECM-7. PRIMARY CLARIFIERS
 - N/A – no savings has been identified for this measure
- ECM-8. SECONDARY CLARIFIERS
 - N/A – no savings has been identified for this measure
- ECM-9. DIGESTER BLOWERS
 - N/A – no savings has been identified for this measure
- ECM-10. MIXED LIQUOR AERATION PIPE
 - INPUT KW (Baseline aeration blower kW determined from Phase 1 post-retrofit M&V report)
 - ANNUAL RUN HOURS (Run hours determined from Phase 1 post-retrofit M&V report)
- ECM-11: BELT FILTER PRESS HOOD
 - N/A – no savings has been identified for this measure

POST-RETROFIT AND YEAR 1 CONSUMPTION DATA AND MEASUREMENT METHODOLOGY

A combination of trends collected via the new SCADA system, monthly utility data, and Trane field measurements will be used to determine the post-retrofit values for the following variables:

- ECM-4. SLUDGE THICKENING
 - INPUT KW (Will verify equipment KW through trending KW in the SCADA system for a period of two weeks or instantaneous measurements using a 3-phase power quality meter)
 - ANNUAL RUN HOURS (Annual operational hours will be verified by trending equipment status in the SCADA system for a period of two weeks)
- ECM-7. PRIMARY CLARIFIERS
 - N/A – no savings has been identified for this measure
- ECM-8. SECONDARY CLARIFIERS
 - N/A – no savings has been identified for this measure
- ECM-9. DIGESTER BLOWERS
 - N/A – no savings has been identified for this measure
- ECM-10. MIXED LIQUOR AERATION PIPE
 - INPUT KW (Will field verify that the existing air leak has been fixed)
 - ANNUAL RUN HOURS (None - run hours are assumed to be constant)
- ECM-11: BELT FILTER PRESS HOOD
 - N/A – no savings has been identified for this measure

CITY OF MONROE - WASTEWATER TREATMENT PLANT
MEASUREMENT AND VERIFICATION (M&V) ACTION PLAN OUTLINE



STATUS: Phase 2 - Development

ECM NAME	FACILITY/ BUILDING	KEY PERFORMANCE INDICATORS	BASELINE VALUES	PROPOSED VALUES	INVESTMENT GRADE AUDIT TASKS	POST-CONSTRUCTION (Cx) TASKS	ANNUAL M&V TASKS YEAR 1	ONGOING OWNER RESPONSIBILITIES	STIPULATED VARIABLES
ECM-4 Install New Disc Thickener	Monroe - WWTP	1. Input KW	Theoretical Digester Blower: 11.0 kW Theoretical WAS Pump: 0.75 kW Theoretical TWAS Pump: 0.75 kW	Disc Thickener/Polymer Mixer: 1.49 kW New TWAS Pump: 0.746 kW New WAS Pump: 2.24 kW	Baseline Input kW for the equipment listed has been estimated based on power required for the existing digesters.	Will verify equipment KW through trending kW in the SCADA system for a period of two weeks or instantaneous measurements using a 3-phase power quality meter.	Will verify equipment KW through trending kW in the SCADA system for a period of two weeks or instantaneous measurements using a 3-phase power quality meter.	Maintain equipment per manufacturer recommendations.	Proposed equipment kW values are stipulated as to estimated flow rate and pressure.
		2. Run hours	Theoretical Digester Blower: 8,760 hours Theoretical WAS Pump: 1,664 hours Theoretical TWAS Pump: 1,664 hours	Disc Thickener/Polymer Mixer: 1,664 hours New TWAS Pump: 1,664 hours New WAS Pump: 1,664 hours	Baseline Run hours for the equipment listed have been estimated based on run hours of existing digester equipment.	Annual operational hours will be verified by trending equipment status in the SCADA system for a period of two weeks.	Annual operational hours will be verified by trending equipment status in the SCADA system for a period of two weeks.	Maintain equipment per manufacturer recommendations.	Operational hours are stipulated to remain constant
ECM-7 Replace Primary Clarifier Mechanisms, Covers, Scum Pumps	Monroe - WWTP	N/A			None - No savings have been identified for this measure	None - No savings have been identified for this measure	None - No savings have been identified for this measure	Maintain equipment per manufacturer recommendations.	N/A
ECM-8 Replace Secondary Clarifier Mechanism	Monroe - WWTP	N/A			None - No savings have been identified for this measure	None - No savings have been identified for this measure	None - No savings have been identified for this measure	Maintain equipment per manufacturer recommendations.	N/A
ECM-9 Replace Digester Blowers	Monroe - WWTP	N/A			None - No savings have been identified for this measure	None - No savings have been identified for this measure	None - No savings have been identified for this measure	Maintain equipment per manufacturer recommendations.	N/A
ECM-10 Replace Mixed Liquor Channel Aeration Piping and Isolation Valve	Monroe - WWTP	1. Average Input kW	1. Turbo Aeration Blower B311: 39.80 kW 2. Turbo Aeration Blower B312: 47.06 kW	1. Turbo Aeration Blowers B311: 39.24 kW 2. Turbo Aeration Blowers B312: 46.50 kW	Baseline aeration blower kW determined from Phase 1 post-retrofit M&V report. Stipulated leak airflow, stipulated reduction in aeration blower average kW	Will field verify that the existing air leak has been fixed.	Will field verify that the existing air leak has been fixed.	Maintain equipment per manufacturer recommendations.	Proposed Aeration Blower Average kW
		2. Run hours	1. Turbo Aeration Blower B311: 4,380 2. Turbo Aeration Blower B312: 4,380	1. Turbo Aeration Blowers B311: 4,380 2. Turbo Aeration Blowers B312: 4,380	Run hours determined from Phase 1 post-retrofit M&V report.	None - run hours are assumed to be constant	None - run hours are assumed to be constant	Maintain equipment per manufacturer recommendations.	N/A
ECM-11 Install Belt Filter Press Exhaust Hood	Monroe - WWTP	N/A			None - No savings have been identified for this measure	None - No savings have been identified for this measure	None - No savings have been identified for this measure	Maintain equipment per manufacturer recommendations.	N/A



INVESTMENT GRADE AUDIT APPENDIX CONTENTS

5. INVESTMENT GRADE AUDIT (IGA) APPENDIX

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5. IGA APPENDIX

5.1 GENERAL DESCRIPTION

MONROE WASTEWATER TREATMENT PLANT

The City of Monroe is located in southeastern Snohomish County, approximately 15 miles southeast of Everett along U.S. Highway 2, and 30 miles northeast of Seattle along State Route 522. Monroe is sited in the Skykomish River valley at the western edge of the Cascade Mountain foothills.

The City limits encompass 3,944 acres, and the Urban Growth Area consists of an additional 950 acres, for a total of 4,894 acres as of June 2001. Per the 2010 Census, the population of the City is 17,304, including 2,448 inmates at the Monroe Correctional Complex.

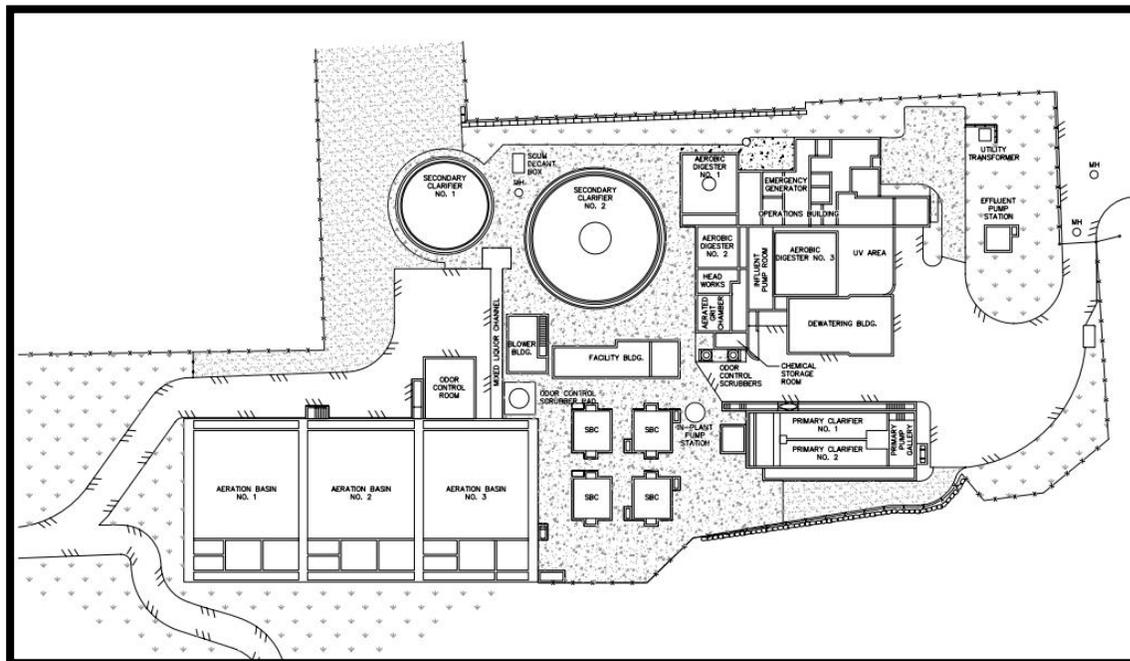
The Monroe Wastewater Treatment Plant (WWTP) is located in the City of Monroe, Washington. The plant was originally constructed in 1955, was upgraded to secondary treatment in 1975 and was expanded in both 1995 and 2002.

5.2 BUILDING DESCRIPTION

MONROE WASTEWATER TREATMENT PLANT

Sewers were first installed in Monroe under a series of local districts, beginning approximately 1910. Initially they discharged storm water and sanitary wastewater directly to the Skykomish River. In 1955, the first wastewater treatment plant was constructed and included primary treatment and sludge stabilization only. In 1975, the collection system was expanded to include the City fairgrounds and other areas in the City. The wastewater treatment plant was also upgraded to secondary treatment at that time. The Department of Corrections (DOC) Monroe Correctional Complex (MCC) has a lagoon wastewater treatment system, which currently discharges partially treated wastewater (lagoon effluent) into the Monroe sewer system. The wastewater treatment plant was expanded in 1995 and again in 2002. The diagram below shows the basic layout of the wastewater treatment facility.

MONROE WASTEWATER TREATMENT PLANT – SITE OVERVIEW



5.3 ECMs CONSIDERED BUT NOT PROPOSED

Other ECMs were included in this IGA which provide benefit to the City but are considered to be cost prohibitive at this time. Additionally, some scope items were removed from the original ECMs in order to meet the City's budget for improvements for 2016. These ECMs and scope items are summarized below.

ECM-7. PRIMARY CLARIFIER – ALUMINUM COVERS

Preliminary design for Aluminum covers for the primary clarifier has been developed to increase safety and maintenance access. This measure was removed from the project due to budget constraints.

ECM-7. PRIMARY CLARIFIER – SLUDGE DENSITY METER

Preliminary design for a new sludge density meter has been developed to provide better process control. This measure was removed from the project due to budget constraints.

ECM-7a. CEPT

A preliminary CEPT design has been developed for implementation to enhance primary clarification peak flow capacity, as current and future peak hour flows can stress the performance of the existing primary clarifiers. The City wants to assess the performance of CEPT before considering construction of a third primary clarifier in the future. CEPT includes coagulant metering pumps, a polymer dosing system, chemical injection diffusers, and tote/drum storage with spill containment in the new headworks screenings washer/compactor area. The City has elected to postpone this ECM due to budgetary constraints.

ADD/ALT-1: DIGESTER #1 AND SECONDARY DIGESTER COVERS

During the contractor walk through it was discussed that in order to provide economies of scale in purchasing aluminum covers for the clarifiers that also purchasing covers for digester #1 and secondary digesters may be included at this time. Aluminum covers have a longer life and provide easier maintenance and improved safety over the existing vinyl covers. The City has elected to postpone this Add-Alternate due to budgetary constraints.

5.4 INFRASTRUCTURE AND O&M RECOMMENDATIONS

Refer to section 5.3 of this ESP for more detail regarding Infrastructure and O&M recommendations.

5.5 UTILITY DATA AND ENERGY BASELINE DEVELOPMENT

The tables below summarize historical electrical energy consumption and the following pages outline the energy baseline development.

TABLE 5.1 – UTILITY DATA

ELECTRICITY CONSUMPTION							
UTILITY:	Snohomish PUD		MONROE WASTEWATER TREATMENT PLANT				
			Year:	2014 - 2015			
			Account#	201024536			
			Meter #:	1000136965			
MONTH	Bill Start Date	Days	Energy (kWh)	Demand (kW)	Total Cost (\$)	Blended Rate	kWh/day
November	11/1/2014	30	198,300	351	\$ 14,176		6610
December	12/4/2014	31	248,700	409	\$ 17,648		8023
January	1/1/2015	31	235,500	417	\$ 16,739		7597
February	2/1/2015	28	274,800	388	\$ 19,447		9814
March	3/1/2015	31	215,400	386	\$ 15,354		6948
April	4/1/2015	30	196,200	350	\$ 13,680		6540
May	5/1/2015	31	170,100	323	\$ 11,713		5487
June	6/1/2015	30	197,400	299	\$ 13,506		6580
July	7/1/2015	31	166,200	284	\$ 11,456		5361
August	8/1/2015	31	162,000	284	\$ 11,180		5226
September	9/1/2015	30	181,800	323	\$ 12,481		6060
October	10/1/2015	31	171,300	277	\$ 12,039		5526
TOTAL		365	2,417,700	341	\$ 169,420	\$ 0.0701	79772
TOTAL MMBtus			8,252				272.26

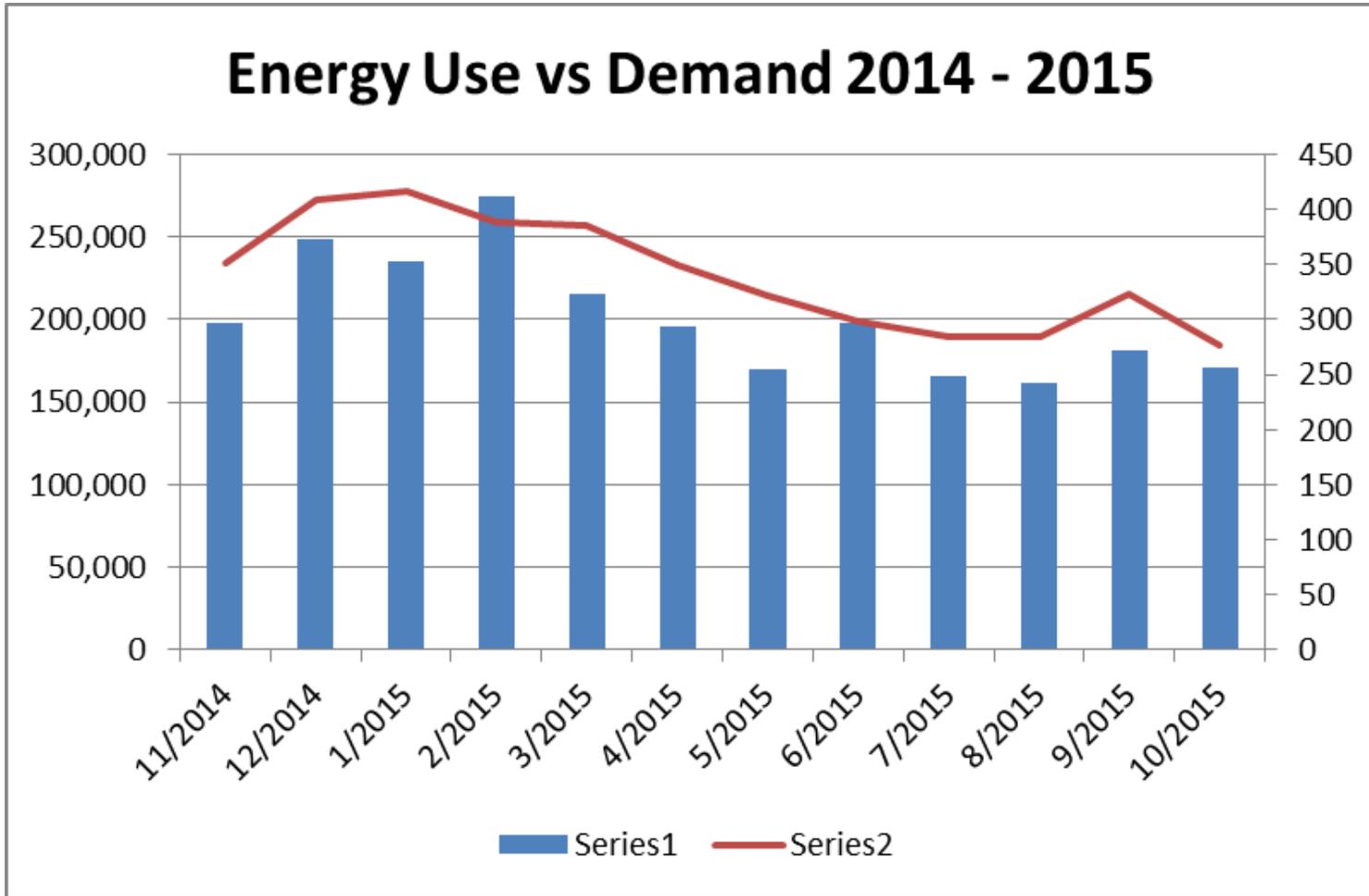


FIGURE 5.1 – ENERGY USE VS DEMAND

5.6 ENERGY SAVINGS CALCULATIONS

The following pages contain the detailed energy calculations used to develop guaranteed energy savings values. Excel spreadsheets were used to model the energy baseline as well as energy effects of various measures on the wastewater plant. The baseline energy use for ECM-4 Sludge Thickening was determined by comparing a theoretical alternative to adding the disc thickener i.e. if The City did not increase digester capacity through thickening the WAS, they would be required to construct a new digester, and additional blower and pumping capacity. In addition, ECMs 7, 8, and 9, are assumed to have no energy savings as the new equipment and/or operation will be equal to the existing equipment. Table 5.1 below provides a summary of energy savings per ECM.

TABLE 5.2 – ENERGY SAVINGS SUMMARY

Energy Conservation Measures	Baseline Energy Use (KWh/yr)	Proposed Energy Use (KWh/yr)	Calculated Energy Savings (100%)	Guaranteed Energy Savings (90%)
ECM-4: SLUDGE THICKENING	98,843	7,448	91,395	82,255
ECM-7: PRIMARY CLARIFIER	4,380	4,380	-	-
ECM-8: SECONDARY CLARIFIER	1,752	1,752	-	-
ECM-9: DIGESTER BLOWERS	192,720	192,720	-	-
ECM-10: MIXED LIQUOR AERATION PIPE	380,447	375,562	4,885	4,397
ECM-11: BELT FILTER PRESS HOOD	-	-	-	-
TOTALS	678,141	581,862	96,280	86,652

TABLE 5.3 –BASELINE AS A PERCENTAGE OF TOTAL PLANT USAGE

ECM	Baseline Energy Use (KWh)
ECM-4: SLUDGE THICKENING	98,843
ECM-7: PRIMARY CLARIFIER	4,380
ECM-8: SECONDARY CLARIFIER	1,752
ECM-9: DIGESTER BLOWERS	192,720
ECM-10: MIXED LIQUOR AERATION PIPE	380,447
ECM-11: BELT FILTER PRESS HOOD	-

Total Baseline Usage:	678,141
WWTP Usage (2014-2015):	2,417,700
Baseline % of WWTP Usage:	28.05%

TABLE 5.4 – ENERGY SAVINGS AS A PERCENTAGE OF TOTAL PLANT USAGE

Equipment	Energy Savings (KWh)
ECM-4: SLUDGE THICKENING	91,395
ECM-7: PRIMARY CLARIFIER	0
ECM-8: SECONDARY CLARIFIER	0
ECM-9: DIGESTER BLOWERS	0
ECM-10: MIXED LIQUOR AERATION PIPE	4,885
ECM-11: BELT FILTER PRESS HOOD	0
Total Savings:	96,280
WWTP Usage (2-yr avg):	2,417,700
Savings % of WWTP Usage:	4.0%

TABLE 5.5 – ECM-4 SLUDGE THICKENING BASELINE

Equipment Tag	Operating Hours/year*	Operating kW	Annual KWh
Theoretical Additional Digester	8760	11.00	96,360
Theoretical TWAS Pump	1664	0.75	1,241
Theoretical WAS Pump	1664	0.75	1,241
TOTAL		12.50	98,843

TABLE 5.6 – ECM-4 SLUDGE THICKENING PROPOSED

Equipment Tag	Operating Hours/year*	Operating kW	Annual KWh
New WAS Pump	1664	2.24	3,724
New TWAS Pump	1664	0.75	1,241
New Disc Thickener	1664	1.49	2,483
TOTAL		4.48	7,448

TABLE 5.7 – ECM-10 MIXED LIQUOR AERATION CHANNEL BASELINE

Equipment Tag	Operating Hours/year*	Operating kW	Annual KWh
Aeration Blower B311	4380	39.80	174,324
Aeration Blower B312	4380	47.06	206,123
TOTAL	8760		380,447

TABLE 5.8 – ECM-10 MIXED LIQUOR AERATION CHANNEL PROPOSED

Equipment Tag	Operating Hours/year*	Operating kW	Annual KWh
Aeration Blower B311	4380	39.24	171,881.50
Aeration Blower B312	4380	46.50	203,680.30
TOTAL	8760		375,562

The energy baseline for this project was developed using portable data loggers and instantaneous power measurements of the existing equipment. Data loggers were set to log equipment amperage for the period between April 15th, 2015, and May 7th 2015 (approximately three weeks) on one minute intervals. The following table represents the data logger deployment scheme for the baseline development

TABLE 5.9 – DATA LOGGER DEPLOYMENT TABLE

Logger ID	Type	Interval	Installed on	Location
10517053	50A CT	1-minute	Belt Filter Press	MCC
9770906	100A CT	1-minute	Digester Blower 515	MCC
10517052	50A CT	1-minute	Scum Pump 1	MCC
10517054	100A CT	30-second	Digester Blower 517	MCC

Instantaneous power measurements were taken using a Fluke™ three phase power quality meter. A summary of the power measurements can be found in the table below.

TABLE 5.10 – EQUIPMENT POWER MEASUREMENT SUMMARY

Equipment Tag	Operating Hours (hrs/yr)	Measured Demand (kW)	Annual Usage (kWh/yr)
Belt Filter Press *1	530	2.5	1,325
B516	8760	7.7	67,452
B517	8760	7.4	64,824
COL 201 Sludge Collector	8760	0.10	876
COL 202 Sludge Collector	8760	0.10	876
Scum Decant Pump	8760	0.0	-
SC-401 Clarifier	8760	0.20	1,752
TOTAL		18	137,105

5.7 DETAILED CONTROL, WORK STAGING, EQUIPMENT PIPE AND VALVE INSTALLATION NARRATIVES

The following pages contain detailed narratives of the proposed controls, work staging and equipment and valve installations. The following narratives were used to solicit investment grade contractor pricing for the project and this Section of the ESP is considered part of the preliminary design drawings for this project. The following order of precedence has been established for the scope of work documents in this ESP. 1) Preliminary design documents located in Section 5.7 and 5.8 of this ESP. 2) The scope of work narrative located in Section 3 of this ESP.

ECM-4. SLUDGE THICKENING

CONTROL DESCRIPTION

All control signals shall be routed to the new PLC in the new disk thickener control panel. Therefore, PLC programming associated with the WAS pump, TWAS pump, emulsion polymer system, actuated plug valves, sludge flow meters, WAS storage tank level instruments, and disk thickener shall be completed by the disk thickener manufacturer. However, SCADA programming to integrate the new sludge thickening system shall be by Trane.

Control signals for the airflow meter and actuated butterfly valve controlling airflow to the WAS storage tank shall be routed to the Main PLC in the Operations Building. Trane is responsible for programming and integration of these instruments and controls within the main PLC and existing SCADA system.

The new disk thickener will operate based on a schedule, where the WWTP staff will select times, durations and flow rates for the WAS feed, or WAS feed can be controlled based on level settings for the WAS storage tank. The WWTP staff will be able to select in the SCADA system if WAS pumping is based on a schedule or level in the WAS storage tank and modify the associated set points for those selections via SCADA. These selections will be communicated to the disk thickener PLC via the network and displayed both locally at the operator interface terminal (OIT) and in SCADA. These selections and settings shall also be accessible locally at the disk thickener control panel.

Alternately, the WWTP staff can select the WAS pump to discharge from the WAS storage tank to the primary digester and select the associated times, durations and flow rates in the SCADA system. These selections will be communicated to the disk thickener PLC via the network and the disk thickener PLC will respond by positioning the two motorized plug valves and operating the WAS pumps accordingly. These selections and settings shall also be accessible locally at the disk thickener control panel. Actuated valve open position, closed position, local status and remote status will be received by the disk thickener PLC and displayed in SCADA and at the local OIT. Refer to the attached PLC input/output (I/O) list for additional information.

WAS flow can also bypass the sludge thickening system completely, however this requires manual adjustment of plug valves in the room housing the WAS and TWAS pumps.

The disk thickener PLC will communicate call-to-run and run speed to the new WAS pump and TWAS pump, based on its run schedule or level in the WAS storage tank. The disk thickener PLC will also communicate call-to-run and polymer feed rate to the emulsion polymer system, based on the set polymer dose and WAS flow. The disk thickener PLC will monitor status of the WAS and TWAS pumps and emulsion polymer system, as well as WAS storage tank level and sludge flows. The disk thickener PLC will be networked with the other WWTP PLCs, allowing information to be displayed not only at the local OIT, but also in SCADA and allow important set points to be adjusted both locally at the OIT and via the existing SCADA system.

The new WAS feed pump will be variable speed to match the desired flow rate. The new WAS pump will stop if the level transmitter in the WAS storage tank measures the low level set point. If the float switch or level transmitter measures the high level set point in the WAS storage tank, a high level alarm will be set in SCADA. WAS pump run status, remote status, high discharge pressure, high rotor temperature alarm and fault will be received by the disk thickener PLC and displayed at the local OIT and also displayed in SCADA.

The new polymer feed system will receive a command from the disk thickener PLC to adjust the polymer dose rate based on the set point polymer dose, which can be adjusted in SCADA and communicated to the disk thickener PLC via the network. The polymer feed system will communicate polymer feed rate, run status, remote status and faults to the disk thickener PLC, which will be displayed both at the local OIT and in SCADA.

The new TWAS pump will be variable speed to maintain level in the hopper. The disk thickener PLC will adjust pump speed based on level in the hopper. TWAS pump run status, remote status, high discharge pressure, high rotor temperature alarm and fault will be received by the disk thickener PLC and displayed both at the local OIT and in SCADA.

The disk thickener PLC will receive flow signals from the 3 new sludge flow meters and level signal from the new level transmitter in the WAS storage tank. This information will be displayed at the local OIT and also displayed and logged in SCADA.

The airflow to the WAS storage tank shall be set in SCADA and the actuating butterfly valve shall be controlled by the Main PLC to automatically adjust position to match the desired flow set point. The WAS storage tank airflow meter shall communicate measurements to the Main PLC and this information shall be displayed and logged in SCADA.

WORK STAGING

Since the disk thickener and associated pumps and polymer system are all part of a new sludge thickening process, there are no specific staging requirements for this work, except that the new sludge thickening system must be fully operational and all testing completed before work can start on Secondary Clarifier No. 1 (ECM #8). The work for the new sludge thickening system largely occurs in areas that are currently unused.

For connections to existing process piping and utilities, Trane shall coordinate an isolated shutdown of those pipelines with the WWTP staff to facilitate the new connection. Once installation of the new sludge thickening system is complete, Trane shall test the system by filling the WAS storage tank first with 3W to run a hydraulic system test with water and then with WAS to test the system performance with sludge. For the water test, Trane shall provide temporary piping to convey water from the TWAS pump to the nearby secondary effluent manhole near the southwest corner of the

WAS storage tank. Once testing is satisfactorily completed, the thickening system can be placed into regular service through coordination with WWTP staff.

EQUIPMENT, PIPE AND VALVE INSTALLATION

Demolition for retrofitting the new sludge thickening system and installation of the new disk thickener and flocculation tank, polymer feed system, WAS and TWAS pumps, aeration airflow meter and control valve, coarse bubble diffusers, motorized valves, instruments and appurtenances are shown on Drawings M-401 through M-404. A schedule of major equipment for this ECM is provided in the table below. Further information on this and other equipment is provided in subsequent paragraphs.

The new WAS pump will be a progressive cavity pump with a 5-inch suction and 4-inch discharge. The WAS pump shall have a capacity of at least 100 gpm at a total dynamic head of 20 psi, with turndown to at least 20 gpm and motor size not exceeding 7.5 horsepower (HP). The WAS pump will be used to pump waste activated sludge with a solids concentration of 1% +/- . The new TWAS pump will be a progressive cavity pump with a 4-inch suction and 3-inch discharge. The TWAS pump shall have a capacity of at least 50 gpm at a total dynamic head of 20 psi, with turndown to at least 10 gpm and motor size not exceeding 5 HP. The TWAS pump will be used to pump thickened waste activated sludge with a solids concentration of 4% +/- . Both the WAS and TWAS pumps shall have the smart stator design (split stator) so that large clearances around the pumps are not required to remove the rotor and be equipped with a run dry protection device and mechanical seal. Each pump shall be provided by the manufacture with a pressure sensing ring and attached high pressure switch and pressure gauge for the discharge side of the pump. The pumps shall be designed for a mechanical seal without flushing water connection. The make and model of the new WAS pump, TWAS pump, pressure sensing ring and pressure switch shall be as shown in the table above. Dimensions are as shown in the attached catalog information. VFDs for both the WAS and TWAS pumps shall be Allen-Bradley.

The new emulsion polymer system shall have a 1-inch connection for 1W, a 1-inch connection for liquid polymer supply, and a 1½-inch discharge connection. The new emulsion polymer system shall be skid-mounted and will be fastened to the floor. The polymer feed system shall have a capacity of at least 2 gph of neat polymer feed and 500 gph of dilution water. The polymer feed system shall accept 4-20 mA control for polymer dosing and include a controller housed in a NEMA 4X control panel. In addition to lights and switches, the control panel shall have an integral display for user adjustment of settings and allow for remote start/stop and 4-20 mA output to monitor polymer dose, in addition to output contacts for run status, remote status and alarms. The polymer feed system frame shall be stainless steel and come complete with calibration column, pressure reducing valve for makeup water, drumstick and drum mixer. The make and model of the new emulsion polymer system shall be as shown in the table above. Dimensions are as shown in the attached catalog information.

The new disk thickener and associated flocculation tank and mixer, polymer mixing system, hopper, and control panel shall be model Rotomat RoS2S Size 1 by Huber. The flocculation tank has a 3-inch WAS inlet and an 8-inch outlet that connects to an 8-inch inlet on the disk thickener. The polymer mixing system shall consist of a polymer injection ring for introduction of the polymer followed by a weighted check valve for mixing of the polymer solution with the sludge. The disk thickener has an 8-inch TWAS outlet, a 5-inch drain connection and a 1-inch 3W connection. The local control panel provided by the disk thickener manufacturer shall include an Allen-Bradley CompactLogix PLC and

have a minimum 9-inch Allen-Bradley PanelView Plus 700 color touch screen operator interface. VFDs for the disk thickener and flocculation tank mixer shall also be Allen-Bradley. Access to the upper level where the disk thickener will be installed is via a spiral staircase from the lower level or by removal of roof panels. The disk thickener will need to be placed into the upper level through the openings in the roof following removal of the metal decking.

The new coarse bubble duckbill diffuser manifold shall include a total of 10 diffusers and be of the make and model shown in the table above. Diffuser manifold dimensions are as shown in the attached catalog information.

The magnetic flow meters, thermal mass airflow meter, ultrasonic level probe and transmitter, and float switch shall be of the make and model shown in the table above.

The new motorized plug valves shall be 3-inch plug valves by Milliken or DeZurik with electric actuators of the make and model as shown in the table above. Manual plug valves shall be Milliken or DeZurik also. Motorized butterfly valves for aeration air shall be Pratt Series 100 or Milliken General Service with Viton seats, stainless steel disk, lug-style body with electric actuators of the make and model as shown in the table above. Manual butterfly valves for aeration air shall be the same type. Check valves shall be APCO or Clow.

WAS and TWAS pipe and fittings shall be pressure class 250 ductile iron pipe with ceramic epoxy lining. Buried ductile iron pipe shall be encased in polyethylene. Exposed or submerged ductile iron pipe shall have be shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).

AA pipe and fittings 3 inches in diameter and less within the Compressor Room shall be Schedule 40 black steel pipe and supported using galvanized steel pipe supports. The black steel pipe shall receive a white blast cleaning per SSPC SP-10 followed by two coats of high heat paint (Ameron PSX 738 or equal) with a total dry film thickness of 6 mils. All exposed AA piping in the Compressor Room shall be insulated. Gaskets for AA piping in the Compressor Room shall be Viton. AA pipe and fittings shall be Schedule 40, 304 stainless steel with EPDM gaskets in and around the WAS storage tank.

Polymer piping and fittings shall be solvent welded Schedule 80 PVC. 3W and 1W pipe and fittings shall be copper, which shall be insulated where exposed outdoors. Filtrate drain pipe and fittings shall be solvent welded Schedule 40 PVC. All foul air pipe shall be fiberglass reinforced plastic (FRP).

- a. Cut into the existing buried 4-inch WAS/TWAS pipe in the yard along the west side of the room that will house the new WAS and TWAS pumps and install new buried elbows and 4-inch ductile iron piping to and from the room housing the WAS and TWAS pumps to allow WAS to be conveyed to the existing WAS storage tank and for TWAS or bypassed WAS to be conveyed to digesters, as shown on the attached drawings. Extend the 4-inch ductile iron WAS/TWAS pipe into the room housing the WAS and TWAS pumps and also through the wall into the WAS storage tank, complete with sewage air release valve and fittings and as shown on the attached drawings. The buried ductile iron pipe shall have restrained joints, be wrapped in polyethylene and lined with ceramic epoxy. The exposed and submerged ductile iron pipe shall have flanged joints, be lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).

- b. Branch a new 1-inch copper 1W pipeline off of the existing 1-inch 1W pipeline near the existing packed tower odor scrubbers along the south side of the WAS storage tank. The new 1-inch 1W pipeline will extend through the wall and to the new emulsion polymer system for use as polymer makeup water (as shown on the attached drawings), complete with pipe supports.
- c. Branch a new 1-inch copper 3W pipeline off of the existing 1-inch 3W pipeline near the northwest corner of the room housing the disk thickener. The new 1-inch 3W pipeline will extend to the new disk thickener for use as wash water (as shown on the attached drawings), complete with pipe supports.
- d. Branch a new 3-inch aeration air (AA) pipeline off of the existing digester blower header (or new header if the City elects to install the new digester blowers) and connect to the existing 3-inch AA pipeline in the Compressor Room. Extend the other end of the existing 3-inch AA pipeline on the east side of the WAS storage tank to connect with the new duckbill coarse bubble diffuser assembly, as shown on the attached drawings. Use insulated 3-inch Schedule 40 carbon steel pipe and fittings with Viton gaskets, complete with galvanized steel pipe supports as required, to connect to the existing carbon steel pipe in the Compressor Room, as shown on the attached drawings. Use 3-inch Schedule 40 304 stainless steel pipe and fittings with EPDM gaskets, complete with stainless steel pipe supports as required, for connecting the other end of the existing 3-inch AA pipe to the diffuser assembly, as shown on the attached drawings.
- e. Install 6-inch ductile iron WAS pump suction piping and suction isolation plug valve, flexible coupling and fittings, as shown on the attached drawings, with galvanized steel pipe supports as required. The exposed and submerged ductile iron pipe shall have flanged joints, be lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).
- f. Install 3-inch ductile iron WAS pump discharge piping and discharge isolation plug valve, check valve, flexible coupling, sewage air release valve and fittings, as shown on the attached drawings, complete with galvanized steel pipe supports as required. The discharge header will branch into two pipelines. One branch feeds WAS to the disk thickener and the other branch bypasses the disk thickener and connects to the discharge header from the TWAS pump to allow pumping WAS directly to the digesters. Provide a chain operator for the actuated valve on the discharge to the disk thickener, which is more than 7 feet above finished floor. The exposed ductile iron pipe shall have flanged joints, be lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).
- g. Install 6-inch Schedule 40 PVC drain pipe from the disk thickener to the existing scum pit, as shown on the attached drawings, complete with galvanized pipe supports as required.
- h. Install 8-inch, 6-inch and 4-inch ductile iron TWAS pump suction piping from the disk thickener hopper to the TWAS pump, complete with isolation plug valve, flexible coupling and fittings, as shown on the attached drawings, with galvanized steel pipe supports as required. The exposed ductile iron pipe shall have flanged joints, be lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).
- i. Install 3-inch ductile iron TWAS pump discharge piping and discharge isolation plug valve, check valve, flexible coupling and fittings, as shown on the attached drawings, with galvanized steel pipe supports as required. The discharge header shall connect to the new 4-inch WAS/TWAS pipe from the yard along the west wall. The exposed ductile iron pipe

shall have flanged joints, be lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).

- j. Install 1½-inch PVC polymer (POL) piping between the new polymer feed system on the lower level and the polymer injection ring just upstream of the weighted check valve for polymer mixing on the upper level, complete with pipe supports as required and as shown on the attached drawings, to deliver polymer to the new disk thickener.
- k. Install 1-inch PVC POL piping between the new polymer system and location for the polymer drums (approximately 10 lineal feet), complete with pipe supports as required, in the room housing the new WAS and TWAS pumps. Install flexible PVC tubing with foot valve connected to the piping for drawing out of the polymer drums.
- l. Connect a new 12-inch FRP foul air (FA) duct to the existing duct penetration on the south wall of the upper level. Extend the 12-inch FA duct west and then north along the perimeter of the upper level. Provide a 10-inch FRP Connection and damper to the WAS storage tank cover and provide two (2) 4-inch FRP FA connections with dampers to the disk thickener, as shown on the attached drawings.
- m. Pipe pressure testing.

DISK THICKENER

Install conduit and wire to provide 480V, 3-phase power to the new disk thickener control panel from the existing EMCC located in the Electrical Room of the existing Operations Building. Install conduit and wire to provide 120V, single-phase power to the wash water solenoid valve from a distribution panel in the Electrical Room of the existing Operations Building. Also install conduit and wire from the new disk thickener control panel to the disk thickener motor, flocculation tank mixer, wash water solenoid valve, hopper level transmitter, disk thickener high level switch, emergency stop button and other associated instruments and controls include with the disk thickener package. Install control conduit and Ethernet cable between the new disk thickener control panel and the main PLC in the existing Operations Building to network the new disk thickener PLC. Make the necessary modifications to the existing main PLC to incorporate the new disk thickener PLC.

WAS and TWAS Pumps: Install conduit and wire between the existing EMCC located in the Electrical Room of the existing Operations Building and the new WAS and TWAS pump VFDs and between the new VFDs and the new 7.5 HP WAS pump motor and 5 HP TWAS pump motor to provide 480V, 3-phase power to the new WAS and TWAS pumps. The new VFDs shall be Allen-Bradley and will be installed locally in the room housing the new WAS and TWAS pumps. Install control conduit and wire between the new VFDs and the new disk thickener PLC to monitor run status, remote status, pump speed, alarms and to issue calls-to-run and speed commands.

Emulsion Polymer System: Install conduit and wire between an existing distribution panel in the Electrical Room of the existing Operations Building and the new emulsion polymer system to provide 120V, single-phase power. Install control conduit and wire between the new emulsion polymer system control panel and the disk thickener PLC to monitor run status, remote status, polymer feed rate, alarms and to issue call-to-run and communicate required polymer flow.

Instruments: Provide conduit and wiring for 120V, single-phase power to three sludge flow meter transmitters, one airflow transmitter and one level transmitter from local distribution panels in the existing Operations Building. Also, provide signal and control conduit and wiring between these

instruments, and the high level switch in the WAS storage tank, and the disk thickener PLC, except that the airflow transmitter signal shall be routed to the Main PLC.

Motorized Valves: The three new motorized valves shall receive 480V, 3 phase power from the existing EMCC located in the Electrical Room of the existing Operations Building, with a separate breaker for each valve. The actuators will be equipped with local controls on the valve operator and shall also be wired to the disk thickener PLC for remote control, except that the WAS airflow control valve actuator shall be wired to the Main PLC. Remote control shall include monitoring and control of valve position, monitoring of local/remote status, and monitoring of alarms.

Exhaust Fan: Provide conduit and wiring for 120V, single-phase power to the exhaust fan for the room housing the new WAS and TWAS pumps from a local distribution panel in the existing Operations Building.

ECM-7. PRIMARY CLARIFIER

CONTROL DESCRIPTION

Each new clarifier mechanism will be supplied with a new control station provided by the manufacturer. The control station shall include outputs for run status, high torque alarm and fail, which shall be connected to the Main Control Panel and displayed in SCADA. Run/stop for each clarifier mechanism, main and cross collectors for each clarifier, shall be controlled locally at the manufacturer provided control station. Refer to the attached PLC input/output (I/O) list for additional information.

The new scum skimmer actuators will operate based on a schedule, where the WWTP staff will be able to adjust set the open interval and duration the skimmer is open in the SCADA system. The existing Main Control Panel will issue open/close commands based on this schedule and also receive open status, closed status, fail alarm, local status and remote status, which will be displayed in SCADA.

- a. The existing primary sludge flow meter will send a signal to existing RCP-100 in the Headworks Building. The measurement will be displayed and logged in SCADA.
- b. Control signals for the primary clarifier drives and primary scum pumps shall be routed to the existing Main Control Panel in the Operations Building, to which existing controls for this equipment are currently connected. Trane may utilize the existing conduit, but new control wire shall be pulled. Also, provide new control conduit and wiring between the new clarifier controls/drives and the new locally mounted clarifier control stations. Alternately, Trane may route new control conduit and wire for this equipment to existing RCP-100 in the Headworks Building.
- c. Modify the SCADA programming to integrate the new clarifier drives, scum skimmer actuators, and all controls.
- d. The new signal conduit and wire for the primary sludge flow meter located in the Primary Clarifier Pump Gallery shall be routed to existing RCP-100 in the Headworks Building.
- e. New control conduit and wire for the scum skimmer actuators shall be routed to existing RCP-100 in the Headworks Building.

EQUIPMENT, PIPE AND VALVE INSTALLATION

- a. Install two (2) 4-inch ductile iron SC/PSC pump discharge piping, pressure rings, flexible couplings and fittings, as shown on the attached drawings, with galvanized steel pipe supports as required. Reuse the existing discharge isolation plug valves and portions of the existing PSC discharge pipe and fittings as shown on the attached drawings. The pump suction shall connect to the existing 4-inch SC piping. The pump discharge shall connect to the existing 4-inch PSC piping. The exposed ductile iron pipe shall have flanged joints, be lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).
- b. Construction of new housekeeping pads for the new scum pumps.
- c. Pipe pressure testing.

WORK STAGING

Because primary clarification is required for plant operations, the flight and chain type collector mechanisms, scum skimmer assembly, launders, and weirs must be completely installed and tested for either Primary Clarifier No. 1 or 2 before work can start on the other primary clarifier, so that at least one primary clarifier is always fully functional. Additionally both primary clarifiers may need to be operational during wet weather flows, so Trane shall coordinate on scheduling with the WWTP for when this work can occur. Demolition of a primary clarifier shall not commence until all new equipment and appurtenances for that clarifier are on site. All reasonable efforts shall be made to continue providing odor control while demolishing and cleaning the primary clarifiers by minimizing demolition of the existing fabric covers until draining and wash-down of the clarifier interior is complete. For connections to existing process piping and utilities, Trane shall coordinate an isolated shutdown of those pipelines with the WWTP staff to facilitate the new connection. Once installation of each new clarifier mechanism is complete, Trane shall test the system by partially filling the clarifier tank first with 3W for preliminary testing and then with wastewater to test the system performance under normal operation. After the 3W test, Trane shall drain the 3W water before filling with wastewater. Once testing is satisfactorily completed, the new clarifier mechanism can be placed into regular service through coordination with WWTP staff. Whenever possible, keep one scum pump in service. Some of the piping modifications will require shutdown of both scum pumps. The period of time that both scum pumps are out of service shall not exceed 3 weeks. Demolition of either primary scum pump shall not commence until all new equipment and appurtenances associated with the pumps are on site. Further information on this and other equipment is provided in subsequent paragraphs.

The flight and chain type clarifier mechanisms shall be sized for a 13-foot wide by 66-foot long rectangular clarifier and come complete with two (2) new main collector drives, cross collector drives, scum skimmers with electric actuators, launders and weirs. The above

components shall be supplied for each primary clarifier along with associated control switches and one (1) local control station for each clarifier. All primary clarifier collector flights and return tracks shall be FRP; chains, sprockets, bearings, and shafts shall be UHMW plastics, stainless steel, and plastic composites or approved equivalent; and scum skimmer pipes shall be FRP or 304 stainless steel. All concrete anchors and hardware for the new clarifier mechanisms shall be 304 or 316 stainless steel. The make and model of the new primary clarifier mechanisms and scum skimmer electric actuators shall be as shown in the table above.

SC and PSC pipe and fittings shall be pressure class 250 ductile iron pipe with ceramic epoxy lining. Exposed ductile iron pipe shall be shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).

ECM-8. SECONDARY CLARIFIER

CONTROL DESCRIPTION

The new clarifier mechanism will come with a new control panel provided by the manufacturer. The control panel shall include outputs for run status, high torque alarm and fail, which shall be connected to RCP-400 and displayed in SCADA. Run/stop for the clarifier mechanism shall be controlled locally at the manufacturer provided control panel. Refer to the attached PLC input/output (I/O) list for additional information.

- a. All control signals shall be routed from the manufacturer provided clarifier drive control panel to existing RCP-400 in the Facility Building, to which the existing controls are currently connected. Trane may utilize the existing conduit, but new wire shall be pulled and exposed conduit at the clarifier shall be replaced.
- b. Modify the SCADA programming to integrate the new clarifier drive and controls.

WORK STAGING

Because Secondary Clarifier No. 1 is currently utilized to thicken WAS, the new sludge thickening system (ECM #4), must be fully operational and all testing completed before work can start on Secondary Clarifier No. 1.

For connections to existing process piping and utilities, Trane shall coordinate an isolated shutdown of those pipelines with the WWTP staff to facilitate the new connection. Once installation of the new mechanism for Secondary Clarifier No. 1 is complete, Trane shall test the system by partially filling the clarifier tank first with 3W to preliminary test and then with mixed liquor to test the system performance under normal operation. After the water test, Trane shall drain the water before filling with mixed liquor. Once testing is satisfactorily completed, the new clarifier mechanism can be placed into regular service through coordination with WWTP staff.

EQUIPMENT, PIPE AND VALVE INSTALLATION

Demolition of the existing collector mechanism, fiberglass dome and appurtenances for Secondary Clarifier No. 1 and installation of the new mechanism, guardrail and appurtenances are shown on Drawings M-801 and M-802. Further information on this and other equipment is provided in subsequent paragraphs.

The new tapered suction header type clarifier mechanism shall be sized for a 47-foot diameter clarifier and come complete with a new 18-inch center pier, drive cage, drive, controls and control panel, drive platform, walkway bridge, energy dissipating inlet, influent feedwell with baffled scum ports, two truss arms, tapered suction header, one suction manifold, two scum skimmer assemblies, two skimmer blades, one 4-foot scum box, scum baffle, and Stamford density current baffle. All metal components of the new clarifier mechanism (except for the drive) shall be 304 stainless steel with minimum ¼-inch thickness. The walkway bridge shall be provided aluminum grating and guardrail with kick plate.

The clarifier drive shall consist of a main spur gear, pinion, speed reducer or worm gear, motor, bearing turntable and drive unit bearing. The drive shall be mounted on the center pier and support the entire rotating mechanism. The drive housing shall be constructed of cast iron or cast ductile iron for enhanced corrosion protection. Construction of the drive housing shall allow access to the bearings and/or liners without requiring removal of the entire drive, walkway or other parts of the clarifier mechanism. The main spur gear shall be of cast ductile iron or hardened alloy steel and have an AGMA quality number of 6 or better. Speed reducers shall be manufactured to AGMA standards and have a minimum service factor of 1.25 based on the output torque rating of the drive. All ball bearings and bearing raceway liners shall be designed for a minimum ABMA L10 life of at least 20 years. The motor shall operate on a 3-phase, 60 hertz, 460-volt power source, and shall be at least 0.50 horsepower with a speed of no more than 1,800 rpm and a service factor of at least 1.15.

The center pier shall have four (4) ports equaling at least 135 percent of the cross-sectional area of the center pier. The energy dissipating inlet shall have four (4) adjustable tangential diffusion gates and be a minimum of 5 feet in diameter and 2.5 feet deep. The influent feedwell shall be a minimum of 12 feet in diameter and 4.5 feet deep with four (4) baffled scum ports. Each of the two truss arms shall have a scum skimmer assembly and skimmer blade attached. One truss arm will also have the tapered suction header attached (complete with squeegees) and the opposite arm shall have a balancing weight.

The clarifier controls shall include two independently adjustable torque switches. One switch shall be for torque alarm and the other a motor cutout switch. The manufacturer shall provide a NEMA 4X control panel that includes motor starter and control power transformer. The control panel shall also include a switch for run/stop, fail reset push button, and fail, alarm, power and run indicating lights.

The clarifier drive shall consist of a main spur gear, pinion, speed reducer or worm gear, motor, bearing turntable and drive unit bearing. The drive shall be mounted on the center pier and support the entire rotating mechanism. The clarifier drive shall have a cast iron or cast ductile iron housing. Either grease or oil lubrication are acceptable. All ball bearings and bearing raceway liners shall be designed for a minimum ABMA L10 life of at least 20 years.

RAS and scum pipe and fittings shall be pressure class 250 ductile iron pipe with ceramic epoxy lining, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).

- a. Remove and replace the existing 6-inch scum piping inside the clarifier with new ductile iron piping for connection to the new scum box. The submerged ductile iron pipe shall have flanged joints, be lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner). Associated pipe supports for the new scum piping shall be stainless steel.
- b. Extend the existing 8-inch RAS pipeline from the bottom of the existing sludge hopper near the center of the clarifier up and over to connect with the new sludge manifold. The new 8-inch RAS piping shall be ductile iron that is lined with ceramic epoxy, shop primed, and field coated with one coat of high solids epoxy and finished with one color coat of polyurethane (color selected by the Owner).
- c. Once the 8-inch RAS pipeline has been extended, fill the existing sludge hopper with grout.

ECM-9. DIGESTER BLOWERS

CONTROL DESCRIPTION

The new hybrid digester blowers will run based on selected blower speed and scheduled on/off cycling set via the SCADA system. Automated on/off cycling of the blowers shall be controllable by either ORP set points or time interval set points. Remote on/off for each blower shall also be enabled via the SCADA system. Speed feedback from the blower shall be correlated with blower output in the Main PLC and display and estimated airflow rate for each blower in SCADA. The SCADA system will also display remote and run status and a fail alarm communicated from each blower. ORP readings communicated from the transmitter will be displayed and logged in the SCADA system. Refer to the attached PLC input/output (I/O) list for additional information.

One blower will be normally dedicated to the Secondary Digester and the other blower will be normally dedicated to Primary Digester No. 2 and the WAS storage tank. However, a single blower can be used to supply air to all 3 points of use by manually adjusting valves in the Compressor Room. Control of the airflow meter and actuated butterfly valve controlling air supply to the WAS storage tank is covered under ECM #4.

1. All control signals shall be routed from the manufacturer provided controller integral to the new hybrid digester blowers and the ORP transmitter to the existing Main PLC in the Operations Building. There are no existing control conduit and wire, so all control conduit and wire for the new hybrid digester blowers will be new.
2. Modify the SCADA programming to integrate the new hybrid digester blowers and ORP probes.

WORK STAGING

Because ECM #4 involves installation of some AA piping a flow meter and actuated butterfly valve in the Compressor Room, it would likely be most efficient to correlate installation of those items

with installation of the other new AA piping for ECM #9. Additionally, it is preferable to have installation and startup of the new hybrid digester blowers complete before the new sludge thickening system for ECM #4 is started up, since the thicker sludge will increase the aeration requirements for the digesters.

There must always be some air supply to the digesters. To maintain an undisturbed supply of air, the two southern most existing rotary lobe digester blowers should be demolished first; the new hybrid digester blower for the Secondary Digester (B-516) installed, tested and started up; air supply switched over to the new hybrid digester blower; the remaining two existing rotary lobe digester blowers demolished; and the new hybrid digester blower for Primary Digester No. 2 and the WAS storage tank installed, tested and started up.

For connections to existing process piping and utilities, Trane shall coordinate an isolated shutdown of those pipelines with the WWTP staff to facilitate the new connection. Once installation of each new hybrid digester blower is complete, Trane shall test each blower at multiple speeds to verify performance. Airflow at each speed shall be estimated using a portable anemometer. Provide a port at a location in the discharge header for insertion of the anemometer. Once testing is satisfactorily completed, the new hybrid digester blower can be placed into regular service through coordination with WWTP staff.

EQUIPMENT, PIPE AND VALVE INSTALLATION

Demolition of the existing rotary lobe digester blowers and associated valves, piping and appurtenances and installation of the new hybrid digester blowers, ORP probes and transmitter and associated valves, piping and appurtenances are shown on Drawings M-901 and M-902. A schedule of major equipment for this ECM is provided in the table below. Further information on this and other equipment is provided in subsequent paragraphs.

The new hybrid digester shall be the screw hybrid type positive displacement blower with a 6-inch discharge. The blower shall draw air from within the room, without a suction pipeline extending from the unit. Each blower shall have a capacity of at least 1,000 scfm at a pressure of 8.0 psig, with turndown to at least 300 scfm and motor size not exceeding 50 HP. The blowers will be used to provide air to Primary Digester No. 2 (up to 270 scfm), the Secondary Digester (up to 600 scfm) and the WAS storage tank (up to 130 scfm). Both new hybrid digester blowers shall be equipped with an integral controller and Allen-Bradley VFD. The controller shall have inputs for speed control and call-to-run and outputs for speed feedback, run status, remote status and fail alarm. The blower shall be wired so that a single power connection to the VFD will supply all power to the blower, including the integral cooling fan and controller. The make and model of the new hybrid digester blowers shall be as shown in the table above. Dimensions are as shown in the attached catalog information.

The ORP probes and transmitter shall be of the make and model shown in the table above. The probe shall have easy-to-clean flat glass electrodes. The transmitter shall have connections and analog outputs for up to six (6) probes.

Manual butterfly valves for aeration air shall be Pratt Series 100 or Milliken General Service with Viton seats, stainless steel disk and lug-style body.

AA pipe and fittings 4 inches in diameter and greater within the Compressor Room shall be Schedule 20 black steel pipe to match existing and supported using galvanized steel pipe supports.

The black steel pipe shall receive a white blast cleaning per SSPC SP-10 followed by two coats of high heat paint (Ameron PSX 738 or equal) with a total dry film thickness of 6 mils. All exposed AA piping in the Compressor Room shall be insulated. Gaskets for AA piping in the Compressor Room shall be Viton.

- a. Furnish and install new 4-inch and 6-inch AA discharge piping and fittings to connect to the existing 4-inch and 6-inch AA piping in the existing Compressor Room, as shown on the attached drawings. Use insulated Schedule 20 carbon steel pipe with Viton gaskets, complete with galvanized steel pipe supports as required, to connect to the existing carbon steel pipe in the Compressor Room. NOTE: The 3-inch AA piping and associated airflow meter and actuated butterfly valve to be furnished and installed in the existing Compressor Room are included under ECM #4.
- b. Pipe pressure testing.

ECM-10. MIXED LIQUOR AERATION PIPE

CONTROL DESCRIPTION

There are no controls associated with ECM #10.

WORK STAGING

Trane shall coordinate a temporary shutdown of the AA header inside the Blower Building with the WWTP staff to facilitate removal and replacement of the 6-inch isolation butterfly valve and gaskets. Trane shall be allowed up to a 4-hour shutdown period of the aeration blowers to facilitate removal and replacement of the 6-inch isolation butterfly valve in the Blower Building

EQUIPMENT, PIPE, AND VALVE INSTALLATION

Demolition of the existing 6-inch AA header, seven (7) 2-inch connections and associated valves, piping and appurtenances and installation of the new 6-inch AA header, seven (7) ball valves, seven (7) 2-inch threaded weld-o-lets and Van Stone flange connections, and associated valves, piping and appurtenances are shown on Drawing M-1001. Further information on this and other equipment is provided in the subsequent paragraphs.

The new 6-inch isolation butterfly valve shall be Pratt Series 100 or Milliken General Service with Viton seats, stainless steel disk, lug-style body and chain wheel operator.

The new 2-inch ball valves shall be single-piece construction, stainless steel ball valves with threaded ends and manual operating handle.

The 6-inch AA pipe and fittings shall be welded Schedule 10, 304 stainless steel with EPDM gaskets. The 2-inch AA pipe and fittings shall be threaded Schedule 40, 304 stainless steel.

ECM-11. BELT FILTER PRESS HOOD

CONTROL DESCRIPTION

There are no controls associated with ECM #11.

WORK STAGING

The belt filter press is operated all 5 days of the week (Monday through Friday) that the WWTP is staffed. Therefore, Trane must coordinate in advance with the City on the schedule for installing the new vent hood and ducting in the Dewatering Building, as access and available BFE downtime will be limited.

EQUIPMENT, PIPE, AND VALVE INSTALLATION

Demolition of the existing 12-inch ducts, tarp hood, and appurtenances and installation of the new FRP vent hood, FRP duct and fittings, FRP dampers, and appurtenances are shown on Drawing M-1101. A schedule of major equipment for this ECM is provided in the table below. Further information on this and other equipment is provided in subsequent paragraphs.

FRP vent hood shall contain 12-inch internal pipe along the entire length with intake holes as sized and spaced by the manufacturer for airflow distribution. Manufacturer shall provide 316 stainless steel eye bolts and cables for hanging the vent hood. Hood and all composite components shall be manufactured using a Class 1 flame spread vinyl ester. All surfaces exposed to the corrosive environment shall have a 100-mil corrosion liner applied consisting of two layers of 1.5 oz. chopped strand matt followed by a final c-veil. Resin system shall be clear, no additives are allowed. Final laminate shall be translucent and inspected to Level 2 of ASME RTP-1 criteria. FRP vent hood shall be of the make and model as shown in the table above.

FRP butterfly type dampers shall be fabricated with the same material as the duct. Blade shall be FRP molded assembly including blade stiffeners. A resilient blade seat of butyl vinyl shall be installed to provide a positive seal between the duct and damper blade. Ductwork and dampers shall be connected by sealed flanges. Dampers shall be of the make and model as shown in the table above.

5.8 PRELIMINARY DESIGN DRAWINGS

The following pages contain preliminary design drawings used to solicit investment grade contractor pricing for this project and this Section of the ESP is considered part of the preliminary design drawings for this project. The following order of precedence has been established for the scope of work documents in this ESP. 1) Preliminary design documents located in Section 5.7 and 5.8 of this ESP. 2) The scope of work narrative located in Section 3 of this ESP.



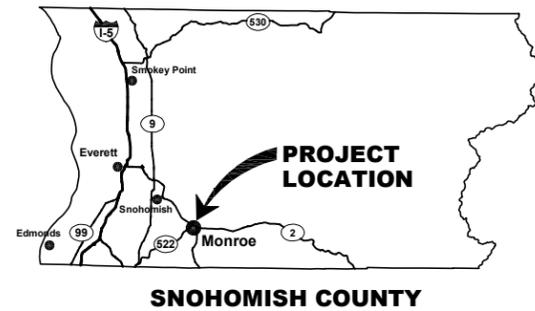
CITY OF MONROE, WA WWTP IMPROVEMENTS PHASE 2

OCTOBER 2015

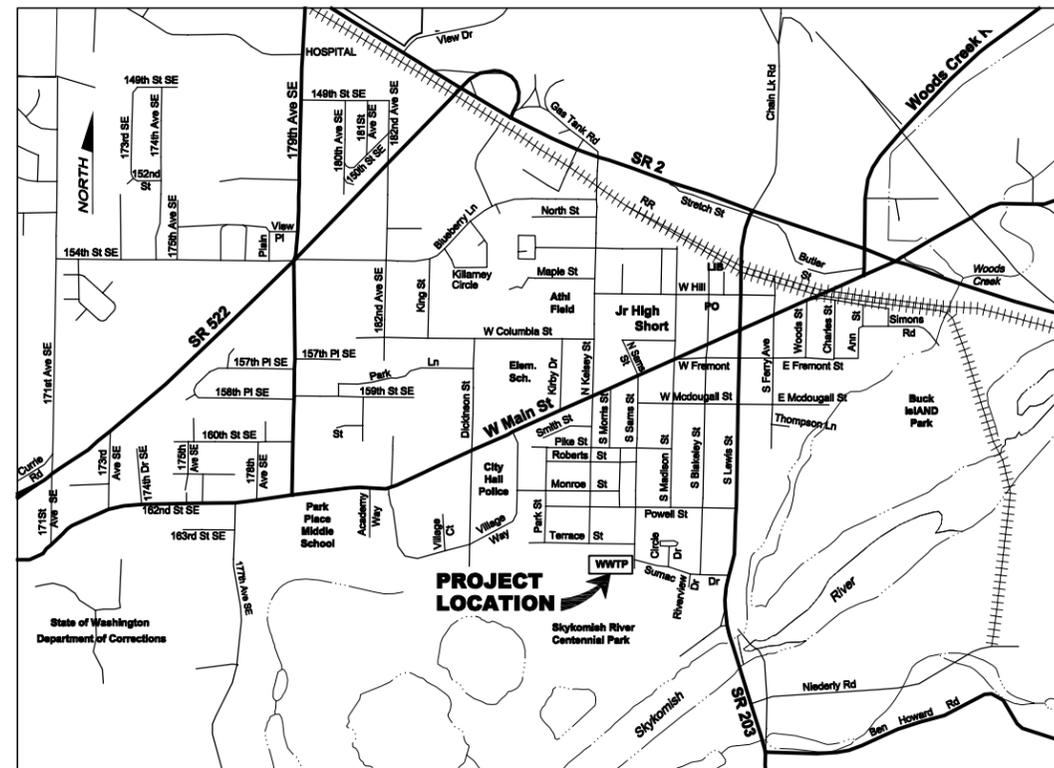
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29	I-2	SLUDGE THICKENING PROCESS AND INSTRUMENTATION DIAGRAM
30	I-3	PRIMARY CLARIFIERS AND CEPT PROCESS AND INSTRUMENTATION DIAGRAM
31	I-4	SECONDARY CLARIFIER NO. 1 AND DIGESTER BLOWERS PROCESS AND INSTRUMENTATION DIAGRAM

LOCATION MAPS



VICINITY MAP



PUBLIC WORKS DIRECTOR

BRAD FEILBERG

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PROJECT ENERGY CONSERVATION MEASURES (ECM)

- ECM #4 - SLUDGE THICKENING
- ECM #7 - REPLACE PRIMARY CLARIFIER MECHANISMS, SCUM PUMPS AND COVERS
- ECM #7A - ADD CHEMICALLY ENHANCED PRIMARY TREATMENT
- ECM #8 - REPLACE SECONDARY CLARIFIER NO. 1 MECHANISM
- ECM #9 - REPLACE DIGESTER BLOWERS
- ECM #10 - REPLACE MIXED LIQUOR CHANNEL AERATION PIPING
- ECM #11 - ADD BELT FILTER PRESS VENT HOOD

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400 MONROE WWTP PH2 IGA\DWG\PI5-10400_G-1.DWG (G-1)
 XREFS: A15-10400_Prelim
 PLOT DATE & TIME: OCT 01 2015 08:19:00

PIPING SYSTEM DESIGNATIONS

PIPING LEGEND	PIPING SYSTEM
AA	AERATION AIR
ALM	ALUM
CA	CHANNEL AIR
CD	CHEMICAL DRAIN
CS	CHLORINE SOLUTION
DR	DRAIN
DS	DIGESTED SLUDGE
FA	FOUL AIR
FD	FOOTING DRAIN
GR	GRIT
HW	HOT WATER
ML	MIXED LIQUOR
OF	OUTFALL
PD	PUMPED DRAINAGE
PE	PRIMARY EFFLUENT
POL	POLYMER
PS	PRIMARY SLUDGE
RAS	RETURN ACTIVATED SLUDGE
RS	RAW SEWER
SAM	SAMPLE
SC	SCUM
SE	SECONDARY EFFLUENT
SHP	SODIUM HYPOCHLORITE
SHD	SODIUM HYDROXIDE
TD	TANK DRAIN
VT	VENT
WAS	WASTE ACTIVATED SLUDGE
1W	POTABLE WATER
3W	RECYCLED PLANT WATER

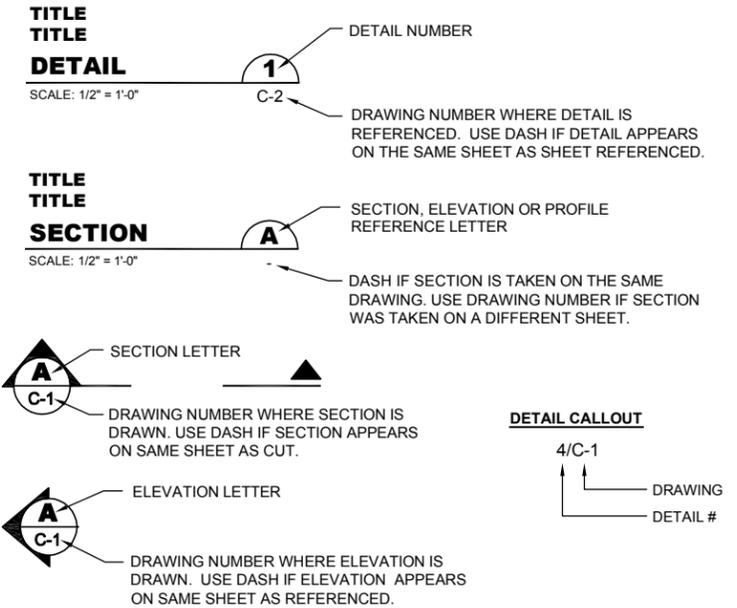
VALVES

	GATE VALVE (NORMALLY OPEN)
	GATE VALVE (NORMALLY CLOSED)
	PLUG VALVE (NORMALLY OPEN)
	PLUG VALVE (NORMALLY CLOSED)
	BALL VALVE (NORMALLY OPEN)
	BALL VALVE (NORMALLY CLOSED)
	BUTTERFLY VALVE
	GLOBE VALVE
	SWING CHECK VALVE
	PRESSURE RELIEF VALVE
	PRESSURE REDUCING VALVE (SELF-CONTAINED)
	SOLENOID VALVE
	TWO-WAY MOTOR OPERATED VALVE
	MUD VALVE
	UTILITY STATION
	REDUCED PRESSURE BACKFLOW PREVENTER

MECHANICAL PIPE AND FITTINGS

SINGLE LINE	DOUBLE LINE	
		FLANGED JOINT
		GROOVED END MECHANICAL COUPLING
		PUSH ON OR MECHANICAL
		WELDED JOINT
		SLEEVE TYPE MECHANICAL COUPLING
		FLANGED COUPLING ADAPTER
		UNION
		ELASTOMER AND FABRIC EXPANSION JOINT
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		LATERAL UP
		LATERAL DOWN
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER

SYMBOLS AND DESIGNATIONS



EQUIPMENT DESIGNATIONS

EQUIPMENT IS IDENTIFIED AS FOLLOWS:
 BOXED NUMBER DESIGNATES NEW EQUIPMENT TO BE SUPPLIED BY THE CONTRACTOR: **MX-101**

UNBOXED NUMBER DESIGNATES EXISTING EQUIPMENT: MX-101

EQUIPMENT LIST IS INCLUDED FOR THE CONVENIENCE OF THE ENGINEER AND CONTRACTOR, AND IS NOT INTENDED TO REPRESENT PRECISE LISTING OF ALL EQUIPMENT AND DEVICES TO BE PROVIDED UNDER THIS CONTRACT.

PIPING DESIGNATIONS

PIPING IS IDENTIFIED BY ITS SIZE FOLLOWED BY PIPING SYSTEM AS FOLLOWS:

BOXED NUMBER DESIGNATES NEW PIPING: **18" ML**

UNBOXED NUMBER DESIGNATES EXISTING PIPING: 12" SS

FOR NEW PIPING MATERIAL, FITTINGS, AND VALVES, SEE SPECIFICATIONS.

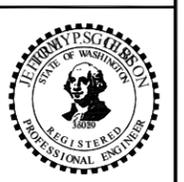
PIPING SYSTEM DESIGNATIONS FOR EXISTING PIPING INDICATE TYPE OF SERVICE ONLY AND DO NOT IMPLY PIPE MATERIALS USED.

DRAWING REFERENCE

- G GENERAL
- M MECHANICAL
- E ELECTRICAL
- I INSTRUMENTATION

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MAJOR EQUIPMENT LIST BASIS OF DESIGN					
ECM	MAJOR EQUIPMENT ITEM	QTY	MANUFACTURER	MODEL	OTHER APPROVED MFRS
4	DISK THICKENER / POLYMER MIXER	1	HUBER	ROS2S SIZE 1	
4	TWAS PUMP	1	SEEPEX	BN 17-6LS	
4,7	WAS & PRIMARY SCUM PUMPS	3	SEEPEX	BN 35-6LS	
4	DUCKBILL DIFFUSER MANIFOLD	1	TIDEFLEX	M-15	
4, 7A	POLYMER DOSING SYSTEM	2	POLYBLEND	M1200-P2AC	DYNABLEND
4	THERMAL MASS FLOW METER	1	MAGNETROL	TA2	
4	MAGNETIC FLOW METER	3	KROHNE	OPTIFLUX 2000	SIEMENS
4,7	PRESSURE SWITCH	2	ASHCROFT	TYPE 400, B SERIES	
4,7	PRESSURE RING	2	RED VALVE	SERIES 40	
4	FLOAT SWITCH	1	CONERY	B1S1	
4	ULTRASONIC LEVEL PROBE/TRANSMITTER	1	SIEMENS	XPS-15 / LUT400	
4, 7	ELECTRIC ACTUATORS	5	ROTORK	IQM	AUMA
4, 7	ALUMINUM COVERS	3	HALLSTEN	FLAT COVERS	ULTRAFLOTE, CST COVERS
7	PRIMARY CLARIFIER MECHANISM	2	WALKER PROCESS	RECTANGULAR CLARIFIER	POLYCHEM, EVOQUA
7	DENSITY METER PROBE/TRANSMITTER	1	HACH	SOLITAX/SC200	
7A	PERISTALTIC PUMPS	2	BLUE-WHITE	FLEX-PRO M-4	
7A	CHEMICAL DIFFUSER AND INJECTION QUILL	2	SAF-T-FLO	EB-150-S-S-15-0-00 (INJECTION QUILL)	
7A	AIR GAP PUMP	1	GOULDS	7GBC05	
8	SECONDARY CLARIFIER MECHANISM	1	OVIVO	C3D-47I-C	WALKER PROCESS, WESTECH, EVOQUA
9	HYBRID BLOWERS	2	AERZEN	D36S	KAESER EB 380S L-SFC
9	ORP PROBE/TRANSMITTER	2	HACH	RC1R5N/SC1000	
11	FRP VENT HOOD	1	ECS	-	

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400_MONROE_WWTP_P&E_GA\DWG\PI5-10400_G-2.DWG (MTC) SEP 24 2015 10:53:02
 XREFS: Desc: X15-10400_Prelim, X15-10400_IB

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 Drawn: P. Simon
 Checked: C. Shen, P.E.
 Approved: C. Chambers, P.E.

Scale: N/A
 One Inch at Full Scale
 If Not One Inch Scale Accordingly

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MONROE WWTP IMPROVEMENTS PHASE 2

LEGEND, SYMBOLS, DESIGNATIONS AND EQUIPMENT LIST

Drawing: **G-2**
 Sheet: **2** of **31**
 File: P15-10400_G-2

MONROE DESIGN CRITERIA

ITEM	VALUE	UNITS	ITEM	VALUE	UNITS	ITEM	VALUE	UNITS	ITEM	VALUE	UNITS
PROJECTED 2025 INFLUENT WASTEWATER DESIGN CRITERIA			GRIT REMOVAL			AERATION BASINS			SECONDARY CLARIFICATION		
AVERAGE DRY WEATHER FLOW (ADWF)	2.12	MGD	GRIT BASIN			NUMBER	3	-	SECONDARY CLARIFIERS		
AVERAGE ANNUAL FLOW (AAF)	2.28	MGD	NUMBER	1	-	ANOXIC SELECTORS			NUMBER	2	-
MAXIMUM MONTH FLOW (MMF)	3.02	MGD	TYPE	MECHANICAL VORTEX	-	NUMBER PER BASIN	4	-	SEC CLARIFIER NO. 1 DIAMETER	47 (RETROFIT)	FT
PEAK DAY FLOW (PDF)	5.05	MGD	CAPACITY	12	MGD	TOTAL LENGTH, EACH BASIN	57	FT	SEC CLARIFIER NO. 1 SIDE WATER DEPTH	13	FT
PEAK HOUR FLOW (PHF)	9.94	MGD	DIAMETER	12	FT	TOTAL WIDTH, EACH BASIN	15	FT	SEC CLARIFIER NO. 2 DIAMETER	68.7	FT
AVERAGE ANNUAL BOD5 LOAD	6,990	LBS/DAY	GRIT PUMPS			AVERAGE SIDE WATER DEPTH	16	FT	SEC CLARIFIER NO. 2 SIDE WATER DEPTH	16.1	FT
MAXIMUM MONTH BOD5 LOAD	9,415	LBS/DAY	TYPE	FLOODED SUCTION	-	TOTAL ANOXIC VOLUME, EACH BASIN	102,000	GAL	TOTAL SURFACE AREA	4,602	SF
AVERAGE ANNUAL TSS LOAD	6,713	LBS/DAY	NUMBER	2 (1 DUTY + 1 STANDBY)	-	TOTAL ANOXIC RETENTION TIME			SURFACE OVERFLOW RATE (BOTH IN SERVICE)		
MAXIMUM MONTH TSS LOAD	11,112	LBS/DAY	RATED CAPACITY, EACH	250	GPM	@ 2025 AAF (3 BASINS IN SERVICE)	3.2	HRS	@ 2025 AAF	495	GPD/SF
AVERAGE ANNUAL AMMONIA-N LOAD	570	LBS/DAY	RATED TDH, EACH	37	FT	@ 2025 MMF (3 BASINS IN SERVICE)	2.4	HRS	@ 2025 MMF	656	GPD/SF
MAXIMUM MONTH AMMONIA-N LOAD	806	LBS/DAY	MOTOR SIZE	15	HP	ANOXIC SELECTOR MIXERS			@ 2025 PDF	1,097	GPD/SF
AVERAGE ANNUAL TKN LOAD	856	LBS/DAY	GRIT WASHING			NUMBER			SOLIDS LOADING RATE (BOTH IN SERVICE)		
MAXIMUM MONTH TKN LOAD	1,209	LBS/DAY	NUMBER	2 (1 DUTY + 1 STANDBY)	-	AERATION BASIN NO. 1	4	-	@ 2025 AAF (DESIGN MLSS, RAS = AAF)	25	LBS/DAY/SF
CURRENT NPDES EFFLUENT PERMIT LIMITS			TYPE	CYCLONE	-	AERATION BASIN NO. 2	4	-	@ 2025 MMF (DESIGN MLSS, RAS = MMF)	33	LBS/DAY/SF
BOD5 (MONTHLY AVG)	30 (711)	MG/L (LBS/DAY)	RATED CAPACITY	250	GPM	AERATION BASIN NO. 3	0	-	@ 2025 PDF (DESIGN MLSS, RAS = MMF)	44	LBS/DAY/SF
BOD5 (WEEKLY AVG)	45 (1,066)	MG/L (LBS/DAY)	SIZE	10	INCHES	TYPE	SUBMERSIBLE	-	RAS PUMPS		
TSS (MONTHLY AVG)	30 (711)	MG/L (LBS/DAY)	GRIT CLASSIFIER			MOTOR SIZE	2.4	HP	NUMBER	4 (2 DUTY + 2 STANDBY)	-
TSS (WEEKLY AVG)	45 (1,066)	MG/L (LBS/DAY)	NUMBER	1	-	AEROBIC ZONES			TYPE	SELF-PRIMING	-
PH (MIN TO MAX)	6 - 9		RATED CAPACITY	32	GPM	NUMBER AERATION BASINS NO. 1 & NO. 2	2	EA	RATED CAPACITY, EACH	2 @ 1,100 & 2 @ 500	GPM
FECAL COLIFORM (MONTHLY GEOMETRIC MEAN)	200	CFU/100ML	SIZE	12	INCHES	NUMBER AERATION BASIN NO.3	1	EA	RATED TDH, EACH	2 @ 22 & 2 @ 27	FT
FECAL COLIFORM (7-DAY GEOMETRIC MEAN)	400	CFU/100ML	MOTOR SIZE	0.5	HP	TOTAL LENGTH, EACH BASIN	57	FT	MOTOR SIZE	2 @ 15 & 2 @ 7.5	HP
SCREENING			PRIMARY SEDIMENTATION			TOTAL WIDTH, EACH BASIN	54	FT	CONTROL	VFD	-
MECHANICAL SCREENS			PRIMARY SEDIMENTATION TANKS			AVERAGE SIDE WATER DEPTH	16	FT	WAS PUMPS		
NUMBER	2	-	NUMBER	2 (RETROFIT)	-	TOTAL AEROBIC VOLUME, EACH BASIN	368,000	GAL	NUMBER	2 (1 DUTY + 1 STANDBY)	-
OPENING SIZE	3 (1/8)	MM (INCHES)	TOTAL SURFACE AREA	1,716	SF	TOTAL AEROBIC RETENTION TIME			TYPE	SELF-PRIMING	-
RATED CAPACITY, EACH	6.17	MGD	LENGTH, EACH	66	FT	@ 2025 AAF (3 BASINS IN SERVICE)	11.6	HRS	RATED CAPACITY, EACH	500	GPM
MOTOR SIZE	5	HP	WIDTH, EACH	13	FT	@ 2025 MMF (3 BASINS IN SERVICE)	8.8	HRS	RATED TDH, EACH	27	FT
WASHER/COMPACTOR			AVERAGE SIDE WATER DEPTH	10	FT	2025 MAX MONTH AERATION DEMAND	3,155	SCFM	MOTOR SIZE	7.5	HP
NUMBER	1	-	SURFACE OVERFLOW RATE (BOTH IN SERVICE)			DESIGN SOLIDS RETENTION TIME	9	DAYS	CONTROL	VFD	-
RATED CAPACITY	70	CF/HR	@ 2025 AAF	1,329	GPD/SF	DESIGN MLSS CONCENTRATION	3,000	MG/L	SCUM PUMP		
MOTOR SIZE	5	HP	@ 2025 MMF	1,760	GPD/SF	DESIGN FOOD-TO-MICROORGANISM RATIO	0.23	LB BOD/LB MLVSS	NUMBER	1	-
MANUAL BAR SCREEN			@ 2025 PDF	2,943	GPD/SF	AERATION BASIN NO. 1 AND 2 DIFFUSERS			TYPE	CHOPPER	-
NUMBER	1	-	PROJECTED REMOVAL			NUMBER PER BASIN	96	-	RATED CAPACITY, EACH	400	GPM
BAR SPACING	9 (3/8)	MM (INCHES)	TSS	60	%	TYPE	STRIP	-	RATED TDH, EACH	14	FT
INFLUENT PUMPING			BOD5	30	%	AREA PER DIFFUSER	6.56	SF	MOTOR SIZE	5	HP
INFLUENT PUMPS (LARGE)			TKN	10	%	TOTAL DIFFUSER AREA PER BASIN	630	SF	CONTROL	CONSTANT SPEED	-
NUMBER	3 (2 DUTY + 1 STANDBY)	-	AMMONIA	0	%	AERATION BASIN NO. 3 DIFFUSERS					
TYPE	SUBMERSIBLE	-	PRIMARY SLUDGE PUMPS			NUMBER PER BASIN	442	-			
RATED CAPACITY, EACH	4	MGD	NUMBER	2 (1 DUTY + 1 STANDBY)	-	TYPE	DISC	-			
RATED TDH, EACH	33	FT	TYPE	PROGRESSING CAVITY	-	AREA PER DIFFUSER	0.41	SF			
MIN CAPACITY, EACH	2	MGD	RATED CAPACITY, EACH	100	GPM	TOTAL DIFFUSER AREA	181	SF			
MOTOR SIZE	35	HP	RATED TDH, EACH	25	PSI	TURBO AERATION BLOWERS					
CONTROL	VFD	-	MOTOR SIZE	7.5	HP	NUMBER	2 (2 DUTY)	-			
MAGNETIC FLOW METER NUMBER	3	-	CONTROL	VFD	-	TYPE	TURBO	-			
MAGNETIC FLOW METER SIZE	12	INCHES	PRIMARY SCUM PUMPS			RATED CAPACITY, EACH	2,000	SCFM			
INFLUENT PUMPS (SMALL)			NUMBER	2 (1 DUTY + 1 STANDBY)	-	RATED DIFFERENTIAL PRESSURE	8	PSI			
NUMBER	2 (2 DUTY)	-	TYPE	PROGRESSING CAVITY	-	MOTOR SIZE	93	HP			
TYPE	SUBMERSIBLE	-	RATED CAPACITY, EACH	60	GPM	CONTROL	VFD	-			
RATED CAPACITY, EACH	1	MGD	RATED TDH, EACH	25	PSI	CENTRIFUGAL AERATION BLOWERS					
RATED TDH, EACH	32	FT	MOTOR SIZE	5	HP	NUMBER	2 (2 STANDBY)	-			
MIN CAPACITY, EACH	0.5	MGD	CONTROL	VFD	-	TYPE	CENTRIFUGAL	-			
MOTOR SIZE	10	HP	SUBMERGED BIOLOGICAL CONTACTORS			RATED CAPACITY, EACH	1,020	SCFM			
CONTROL	VFD	-	NUMBER OF TRAINS	2	-	RATED DIFFERENTIAL PRESSURE	8	PSI			
MAGNETIC FLOW METER NUMBER	2	-	SHAFTS PER TRAIN	2	-	MOTOR SIZE	75	HP			
MAGNETIC FLOW METER SIZE	6	INCHES	TOTAL NUMBER OF SHAFTS	4	-	CONTROL	CONSTANT SPEED	-			
			MEDIA SURFACE AREA			MIXED LIQUOR RECIRCULATION PUMP					
			TOTAL	900,000	SF	NUMBER	1	-			
			FIRST STAGE	466,000	SF	TYPE	SUBMERSIBLE	-			
			SECOND STAGE	217,000	SF	RATED CAPACITY	6,000	GPM			
			THIRD STAGE	217,000	SF	RATED TDH	3.5	FT			
						MOTOR SIZE	15	HP			
						CONTROL	VFD	-			

FILE NAME (UPDATED BY) ... PLOT DATE & TIME ...
 S:\VAD\TRANE\15-10400 MONROE WWTP PH2 IGA\DWG\P15-10400_G-3-CLING (SO)
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Drawn: P. Simon	One Inch at Full Scale
Checked: C. Shen, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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MONROE WWTP IMPROVEMENTS PHASE 2
DESIGN CRITERIA SHEET 1

Drawing: G-3
Sheet: 3 of 31
File: P15-10400_G-3-4

MONROE DESIGN CRITERIA

ITEM	VALUE	UNITS
EFFLUENT PUMPING		
EFFLUENT PUMPS		
NUMBER	3 (2 DUTY + 1 STANDBY)	-
TYPE	VERTICAL TURBINE	-
RATED CAPACITY, EACH	5	MGD
RATED TDH, EACH	25	FT
MIN CAPACITY, EACH	2.6	MGD
MOTOR SIZE	40	HP
CONTROL	VFD	-
3W PUMPS		
NUMBER	2 (2 DUTY)	-
TYPE	VERTICAL TURBINE	-
RATED CAPACITY, EACH	105	GPM
RATED TDH, EACH	216	FT
MOTOR SIZE	10	HP
CONTROL	CONSTANT SPEED	-
AEROBIC DIGESTERS		
PRIMARY DIGESTER NO. 1		
LENGTH	30	FT
WIDTH	30	FT
SIDE WATER DEPTH	14	FT
VOLUME	12,600	CF
AERATION TYPE	COARSE BUBBLE	-
DIFFUSER TYPE	DUCKBILL	-
NUMBER DIFFUSERS	46	-
PRIMARY DIGESTER NO. 2		
LENGTH	20	FT
WIDTH	20	FT
SIDE WATER DEPTH	15	FT
VOLUME	6,000	CF
AERATION TYPE	FINE BUBBLE	-
DIFFUSER TYPE	DISC	-
SECONDARY DIGESTER		
LENGTH	30	FT
WIDTH	30	FT
SIDE WATER DEPTH	15	FT
VOLUME	13,500	CF
AERATION TYPE	COARSE BUBBLE	-
DIFFUSER TYPE	DUCKBILL	-
NUMBER DIFFUSERS	46	-
TOTAL VOLUME	32,100	CF
ESTIMATED SLUDGE PRODUCTION (OBSERVED YIELD = 1.0)		
@ 2025 AAF	6,990	LBS/DAY
@ 2025 MMF	9,415	LBS/DAY
VOLUMETRIC LOADING OF VOLATILE SOLIDS (75% VSS)		
@ 2025 AAF	0.16	LBS/DAY/CF
@ 2025 MMF	0.22	LBS/DAY/CF
HYDRAULIC RETENTION TIME (2% SOLIDS)		
@ 2025 AAF	5.8	DAYS
@ 2025 MMF	4.3	DAYS
PRIMARY DIGESTER NO. 1 BLOWERS		
NUMBER	2 (1 DUTY + 1 STANDBY)	-
TYPE	POSITIVE DISPLACEMENT	-
RATED CAPACITY, EACH	1,000	SCFM
MOTOR SIZE	40	HP
CONTROL	CONSTANT SPEED	-
PRIMARY DIGESTER NO. 2 AND SECONDARY DIGESTER BLOWERS		
NUMBER	2	-
TYPE	HYBRID	-
RATED CAPACITY, EACH	1,000	SCFM
MOTOR SIZE	50	HP
CONTROL	VFD	-

ITEM	VALUE	UNITS
SLUDGE DEWATERING		
SLUDGE FEED PUMPS		
NUMBER	2 (1 DUTY + 1 STANDBY)	-
TYPE	DIAPHRAGM	-
RATED CAPACITY, EACH	150	GPM
MOTOR SIZE	7.5	HP
CONTROL	VFD	-
BELT FITLER PRESS		
NUMBER	1	-
SIZE	1.5	METERS
HYDRAULIC CAPACITY	130	GPM
SOLIDS LOADING CAPACITY	1,200	LBS/HR
IN-PLANT PUMP STATION		
NUMBER PUMPS	2 (1 DUTY + 1 STANDBY)	-
TYPE	SUBMERSIBLE	-
RATED CAPACITY, EACH	1,200	GPM
RATED TDH, EACH	25	FT
MOTOR SIZE	15	HP
CONTROL	CONSTANT SPEED	-
SLUDGE THICKENING		
DISK THICKENER		
NUMBER	1	-
HYDRAULIC CAPACITY	100	GPM
SOLIDS LOADING CAPACITY	500	LBS/HR
WAS FEED PUMP		
NUMBER	1	-
TYPE	PROGRESSING CAVITY	-
RATED CAPACITY, EACH	100	GPM
RATED TDH, EACH	20	PSI
MOTOR SIZE	7.5	HP
CONTROL	VFD	-
TWS PUMP		
NUMBER	1	-
TYPE	PROGRESSING CAVITY	-
RATED CAPACITY, EACH	50	GPM
RATED TDH, EACH	20	PSI
MOTOR SIZE	5	HP
CONTROL	VFD	-
POLYMER DOSING SYSTEM		
NUMBER	1	-
TYPE	EMULSION	-
POLYMER FEED CAPACITY	2	GPH
SOLUTION FEED CAPACITY	20	GPM
CHEMICALLY ENHANCED PRIMARY TREATMENT (CEPT)		
POLYMER DOSING SYSTEM		
NUMBER	1	-
TYPE	EMULSION	-
POLYMER FEED CAPACITY	2	GPH
SOLUTION FEED CAPACITY	20	GPM
ALUM DOSING SYSTEM		
NUMBER PUMPS	2	-
TYPE	PERISTALTIC	-
RATED CAPACITY, EACH	42	GPH

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400 MONROE WWTP PH2 IGA\DWG\15-10400_G-3-CLING (SO) XREFS: Chason, Chason, X15-10400_Prelim, X15-10400_TB
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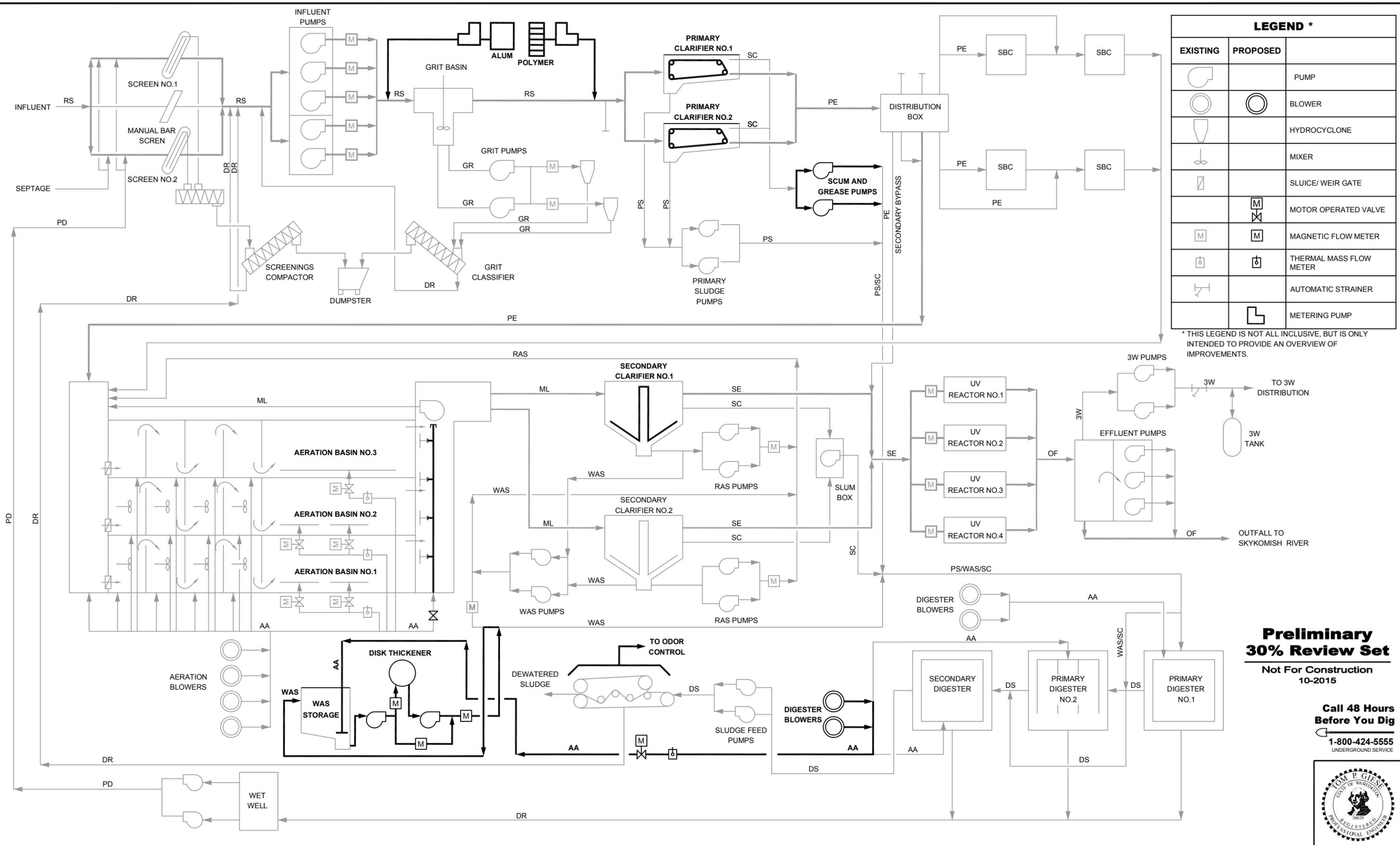
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MONROE WWTP IMPROVEMENTS PHASE 2
DESIGN CRITERIA SHEET 2

Drawing: G-4
Sheet: 4 of 31
File: P15-10400_G-3-4
Date: October 2015

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400\MONROE\WWTP\PH2\IGA\DWG\P15-10400_G-5.DWG (MTC) SEP 30 2015 14:23:04
 XREFS: Gibson, Ches, X15-10400_Prelim, X15-10400_TB



LEGEND *		
EXISTING	PROPOSED	
		PUMP
		BLOWER
		HYDROCYCLONE
		MIXER
		SLUICE/WEIR GATE
		MOTOR OPERATED VALVE
		MAGNETIC FLOW METER
		THERMAL MASS FLOW METER
		AUTOMATIC STRAINER
		METERING PUMP

* THIS LEGEND IS NOT ALL INCLUSIVE, BUT IS ONLY INTENDED TO PROVIDE AN OVERVIEW OF IMPROVEMENTS.

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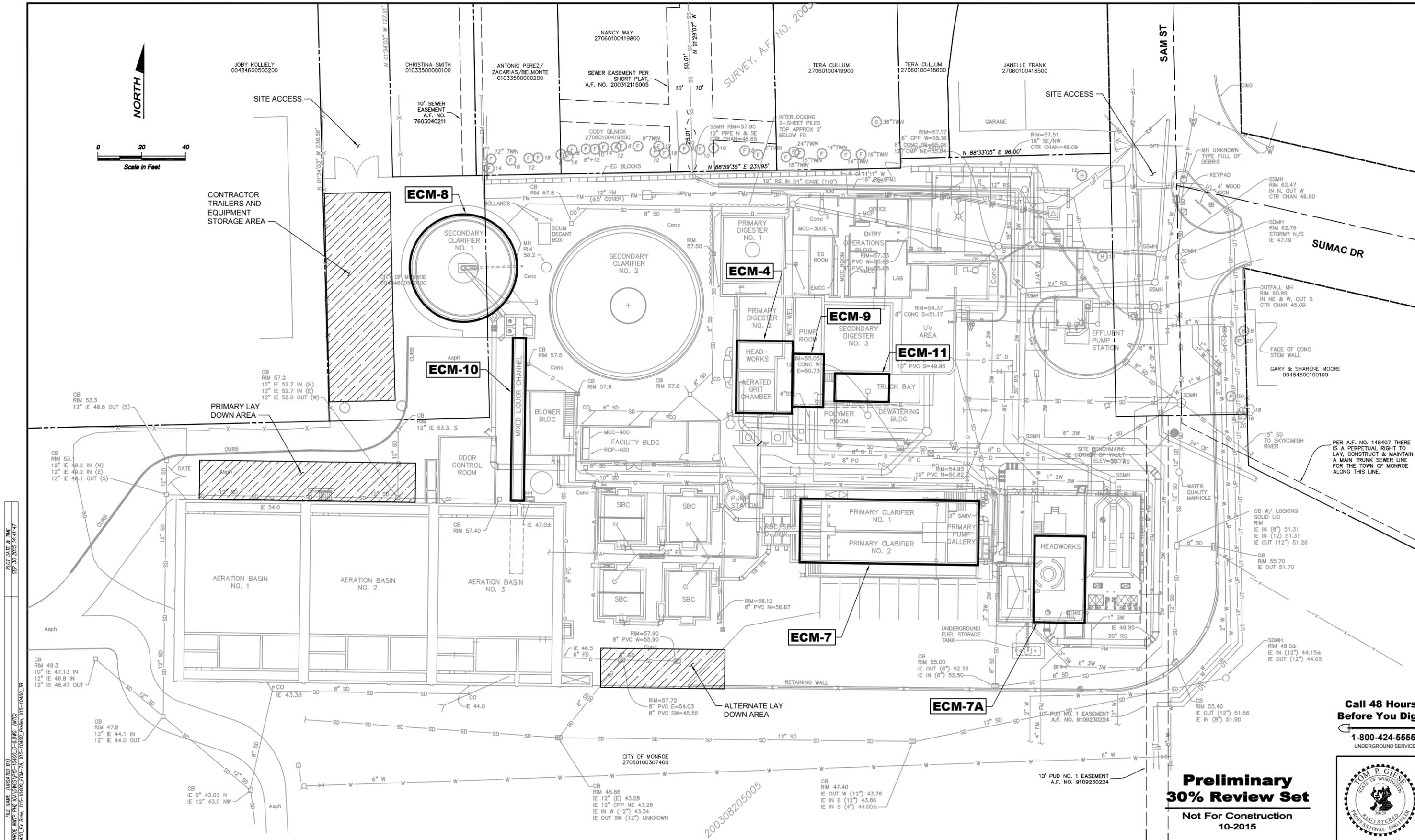
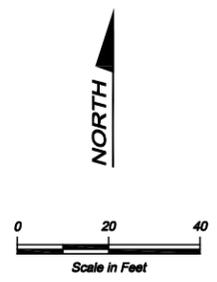
Designed: T. Giese, P.E.
 Drawn: A. Cariaso
 Checked: C. Shen, P.E.
 Approved: C. Chambers, P.E.

Scale: NTS
 One Inch at Full Scale
 If Not One Inch Scale Accordingly

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MONROE WWTW IMPROVEMENTS PHASE 2
PROCESS FLOW DIAGRAM

Drawing: **G-5**
 Sheet: **5** of **31**
 File: P15-10400_G-5



FILE NAME (UPDATED BY) S:\VAD\TRANE\15-10400 MONROE WWTP PH2 (GAL) (MCS)\P15-10400_G-BLDG (M) SEP 30 2015 14:41:47
 XREFS: Chason, Glenn, XT1-10400_L3_Bldg, XT15-10400_ECM-7A, XT15-10400_Prelim, XT15-10400_IB

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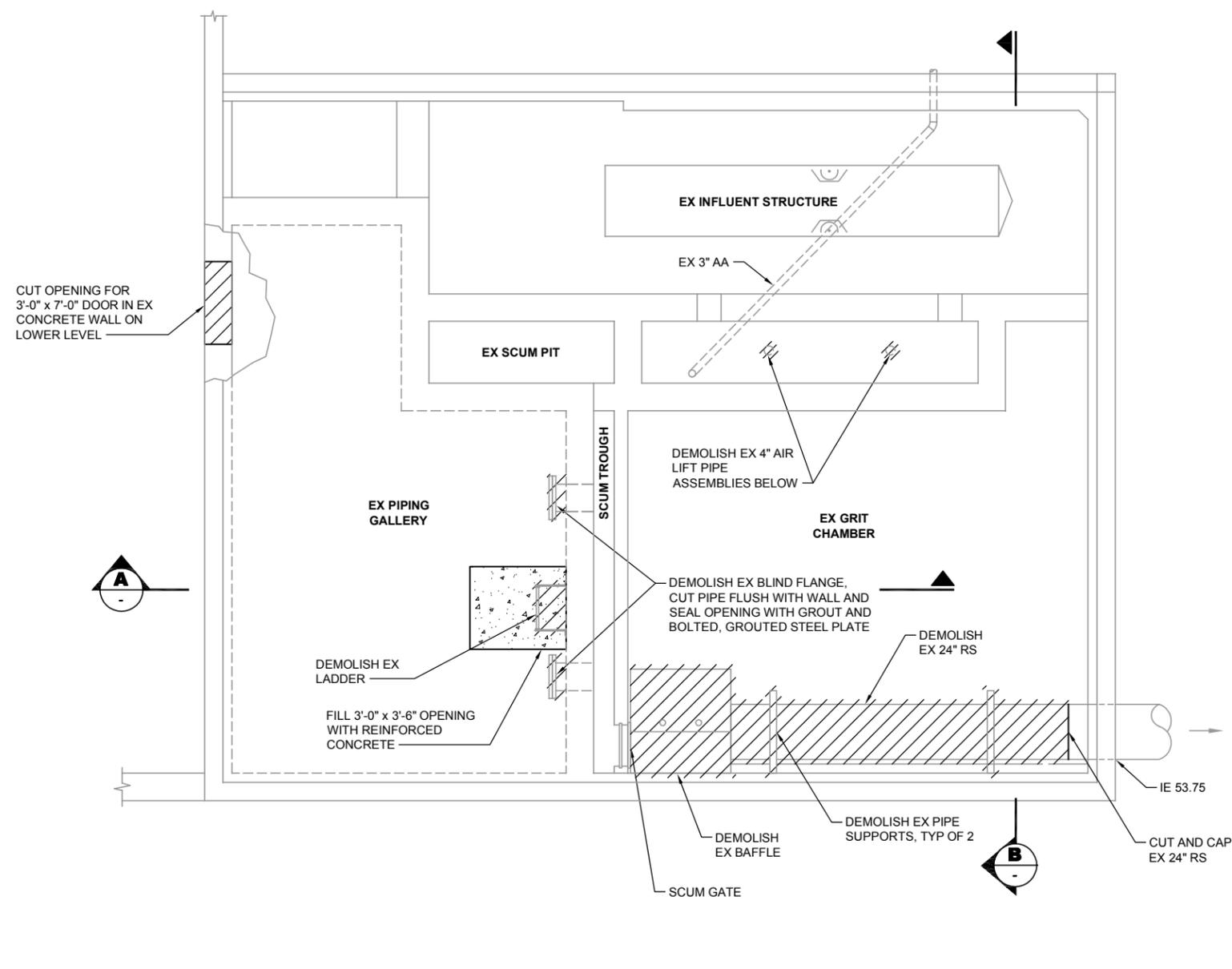
Designed: T. Giese, P.E.	Scale: 1" = 20'-0"
Drawn: A. Cariaso	One Inch at Full Scale
Checked: C. Shen, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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MONROE WWTP IMPROVEMENTS PHASE 2

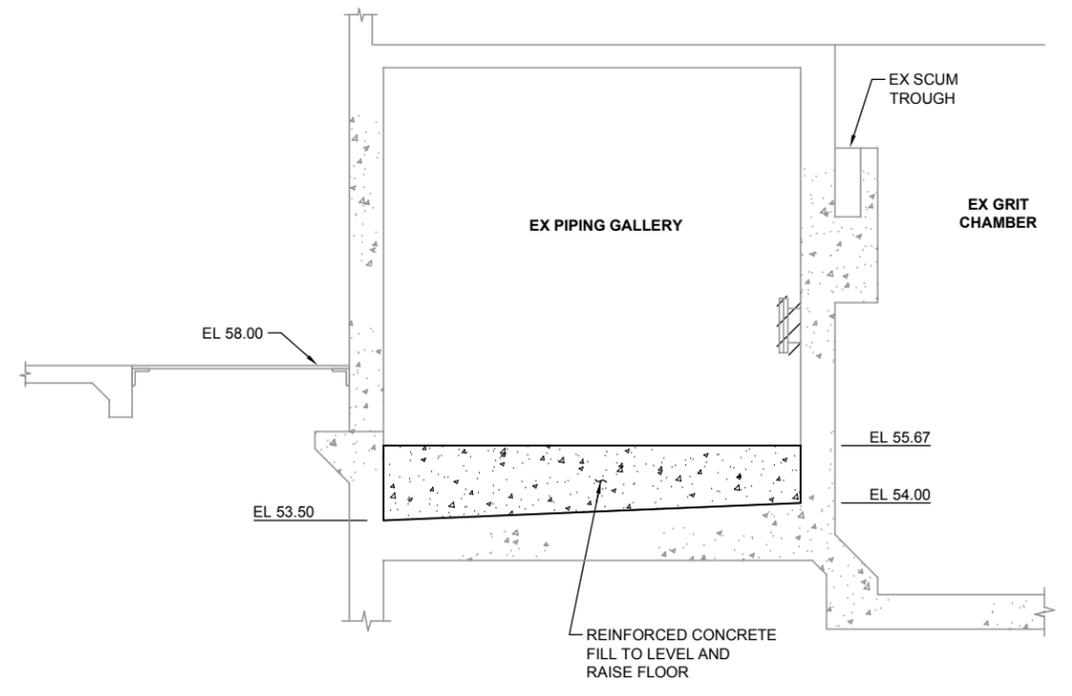
ECM LOCATION PLAN

Drawing:	G-6
Sheet:	6 of 31
File:	P15-10400_G-6

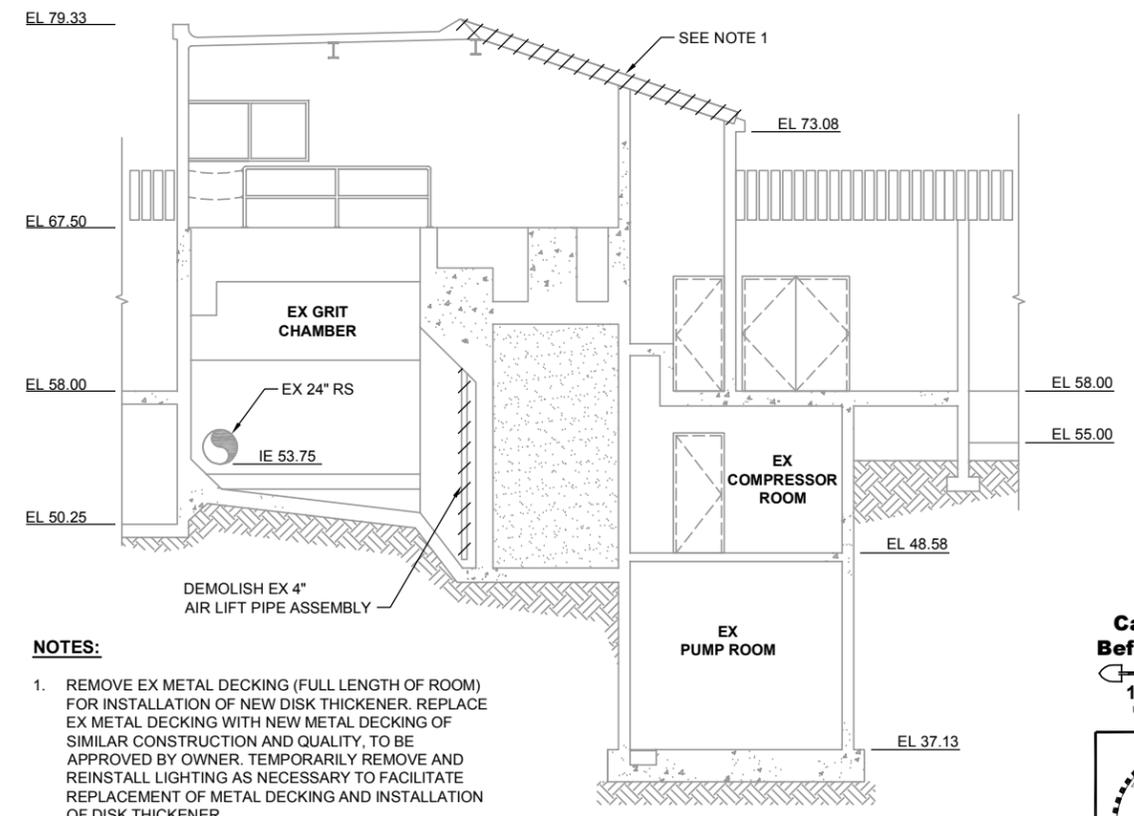


OLD HEADWORKS PLAN
SCALE: 3/8" = 1'-0"
1

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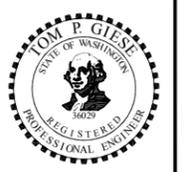
SECTION A
SCALE: 3/8" = 1'-0"



- NOTES:**
1. REMOVE EX METAL DECKING (FULL LENGTH OF ROOM) FOR INSTALLATION OF NEW DISK THICKENER. REPLACE EX METAL DECKING WITH NEW METAL DECKING OF SIMILAR CONSTRUCTION AND QUALITY, TO BE APPROVED BY OWNER. TEMPORARILY REMOVE AND REINSTALL LIGHTING AS NECESSARY TO FACILITATE REPLACEMENT OF METAL DECKING AND INSTALLATION OF DISK THICKENER.

SECTION B
SCALE: 3/16" = 1'-0"

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FILE NAME (UPDATED BY) : S:\VAD\TRANE\15-10400\MONROE_WWTP_P&E\GA\DWG\PI5-10315_M-401.DWG (MTC)
 XREFS: Gibson, Giese, 215-10400_Prelim, 415-10400_IB
 PLOT DATE & TIME : OCT 07 2015 11:56:08

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Designed: T. Giese, P.E.	Scale: As Noted
Drawn: S. Olsoe	One Inch at Full Scale If Not One Inch Scale Accordingly
Checked: C. Shen, P.E.	
Approved: C. Chambers, P.E.	

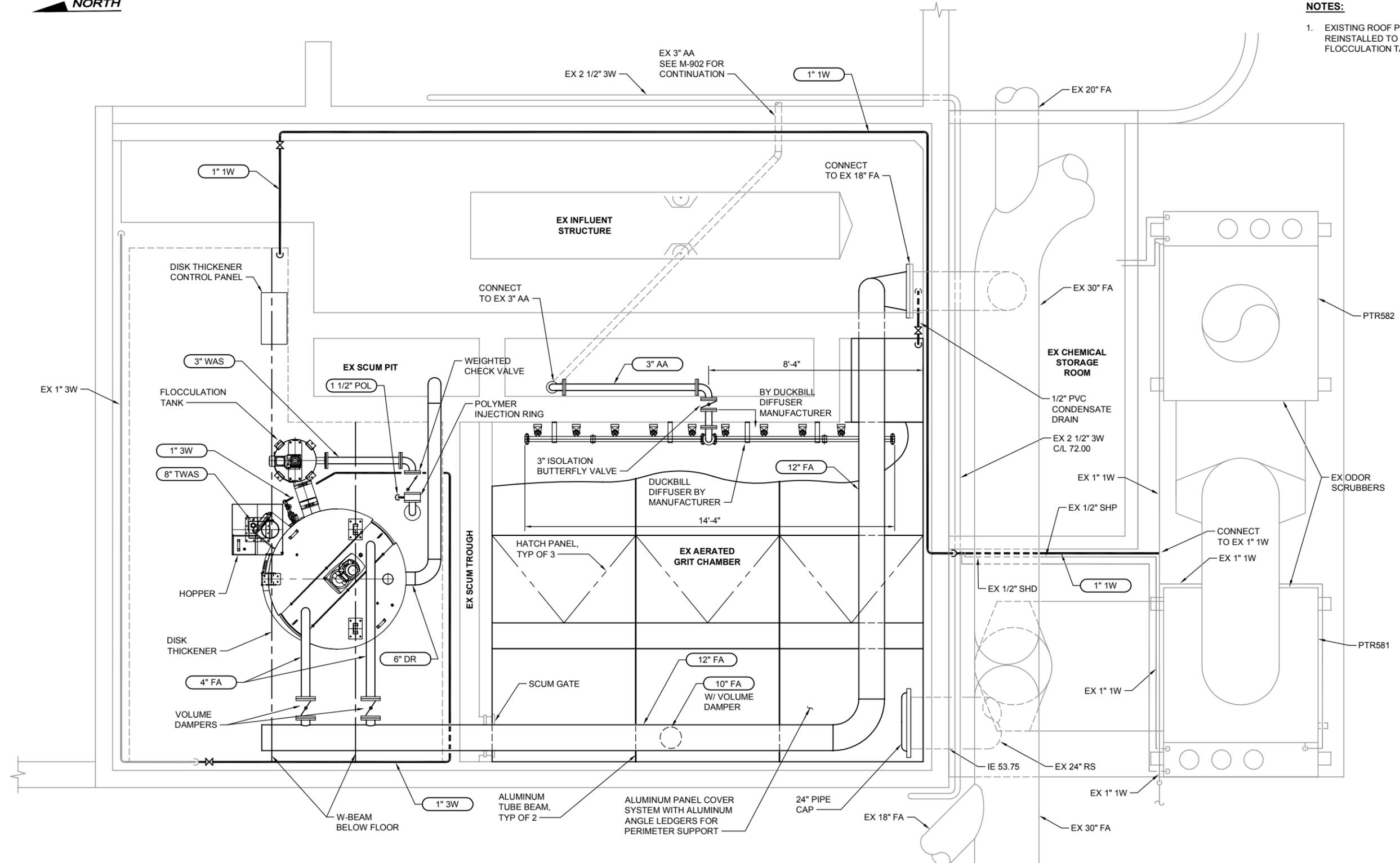
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MONROE WWTP IMPROVEMENTS PHASE 2
OLD HEADWORKS AREA
DEMOLITION PLAN AND SECTIONS

Drawing: M-401
Sheet: 7 of 31
File: P15-10400_M-401



NOTES:
 1. EXISTING ROOF PANELS NEED TO BE REMOVED AND REINSTALLED TO INSTALL DISK THICKENER AND FLOCCULATION TANK.



**OLD HEADWORKS AREA
 AT EL 67.50
 PLAN**
 SCALE: 1/2" = 1'-0"

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FILE NAME (UPDATED BY) PLOT DATE & TIME
 S:\VAD\TRANE\15-10400\MONROE_WWTP_P&E\GA\DWG\15-10315_M-402.DWG (MTC) OCT 07 2015 11:57:18
 XREFS: Chason, Chason, X15-10400_Prelim, X15-10400_TB

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 Drawn: S. Olsoe
 Checked: C. Shen, P.E.
 Approved: C. Chambers, P.E.

Scale:
 1/2" = 1'-0"
 One Inch at Full Scale
 If Not One Inch Scale Accordingly



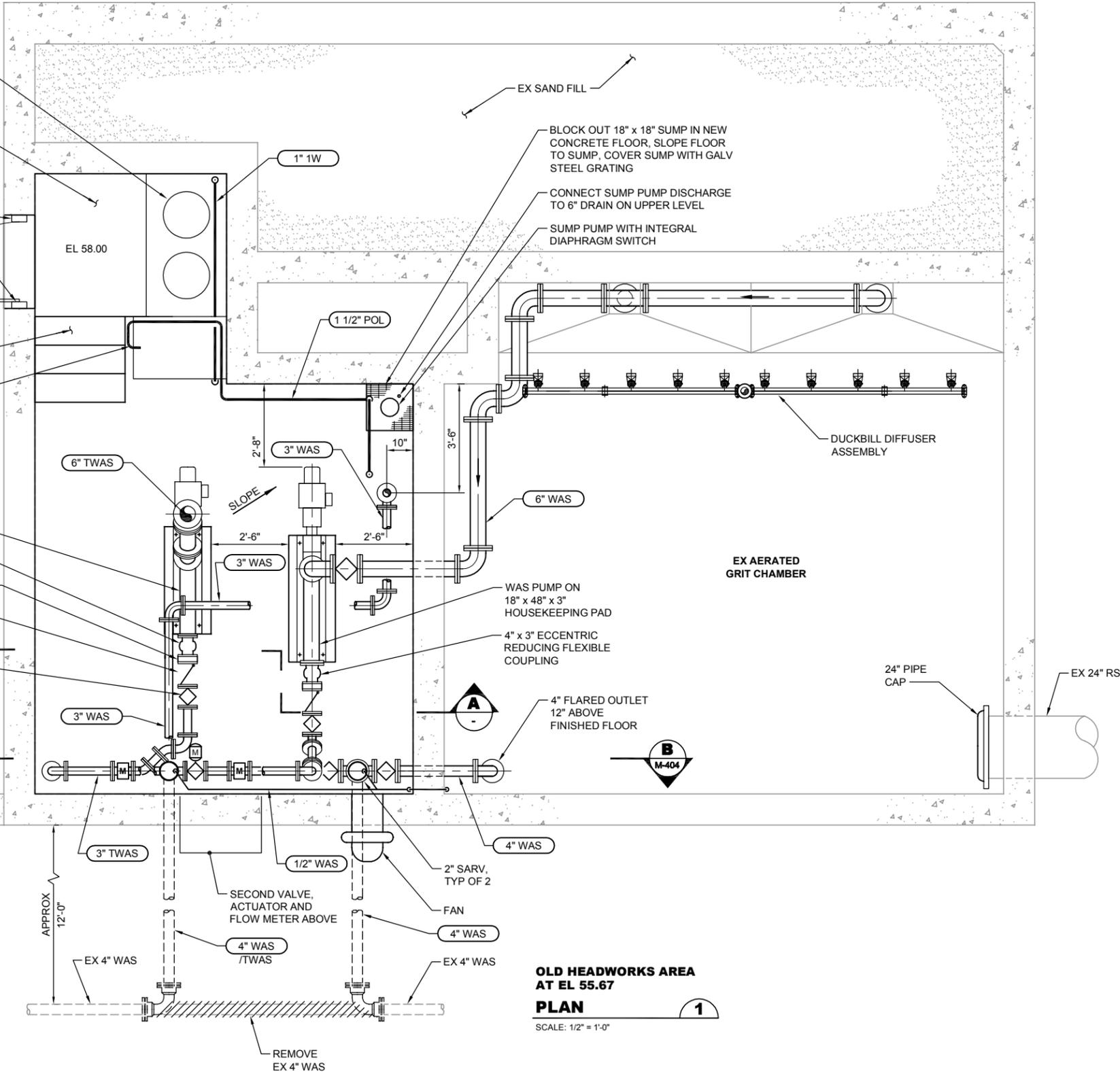
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**MONROE WWTP IMPROVEMENTS PHASE 2
 SLUDGE THICKENING
 EQUIPMENT INSTALLATION UPPER PLAN**

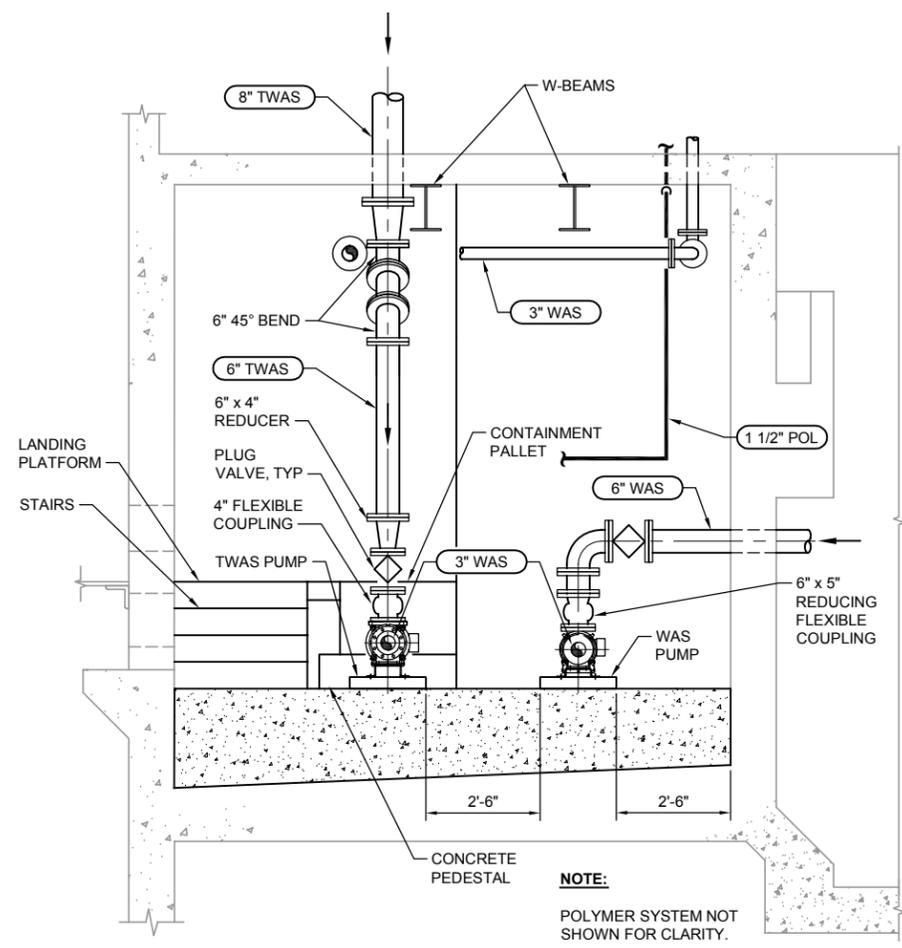
Drawing: **M-402**
 Sheet: **8** of **31**
 File: P15-10400_M-402

NORTH

- POLYMER DRUMS AND CONTAINMENT PALLET ATOP CONCRETE PEDESTAL
- LANDING PLATFORM WITH GALV STEEL FRAMING AND GRATING
- HOLLOW METAL DOOR AND FRAME WITH INTAKE LOUVER
- STAIRS WITH GALV STEEL FRAMING, GRATING AND HANDRAIL
- POLYMER FEED SYSTEM
- TWAS PUMP ON 18" x 42" x 3" HOUSEKEEPING PAD
- 3" FLEXIBLE COUPLING
- 3" PRESSURE RING, TYP
- 3" PLUG VALVE, TYP
- 3" CHECK VALVE, TYP



OLD HEADWORKS AREA AT EL. 55.67
PLAN
 SCALE: 1/2" = 1'-0"



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

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FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400\MONROE_WWTP_P&E\GA\DWG\P15-10315_M-403.DWG (MTC) OCT 08 2015 10:38:40
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No.	Date	By	App'd

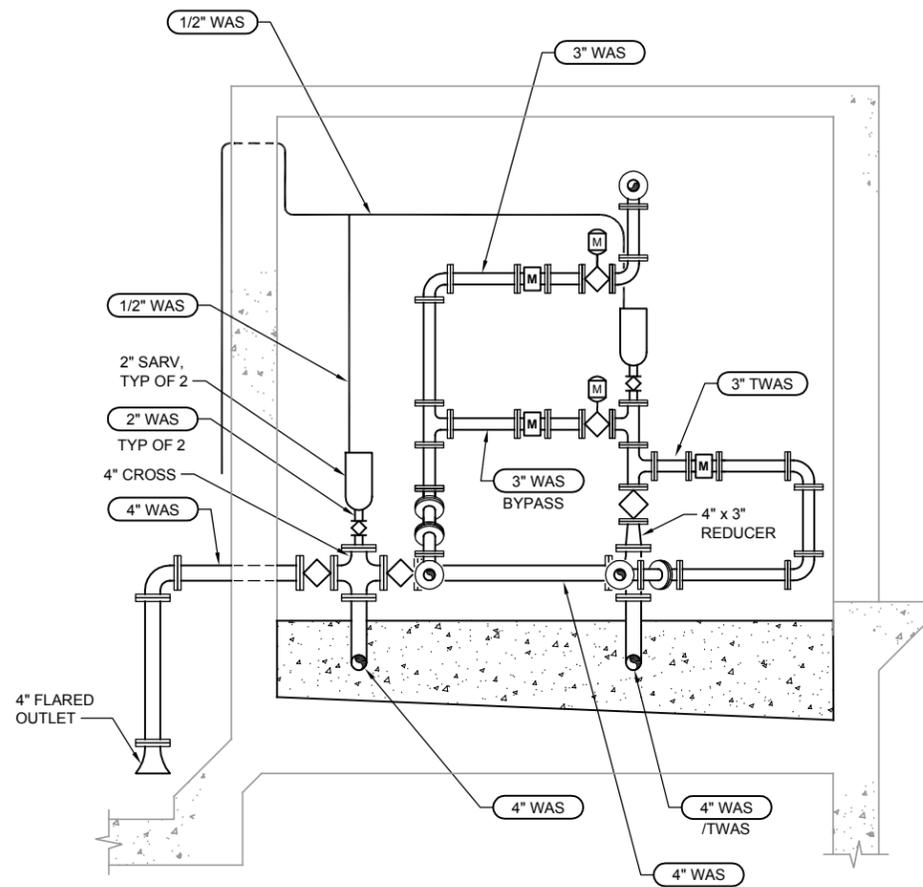
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Drawn: S. Olsoe	One Inch at Full Scale
Checked: C. Shen, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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MONROE WWTP IMPROVEMENTS PHASE 2
SLUDGE THICKENING EQUIPMENT INSTALLATION
LOWER PLAN AND SECTION

Drawing: M-403
Sheet: 9 of 31
File: P15-10400_M-403
Date: October 2015



SECTION B
SCALE: 1/2" = 1'-0" M-403

FILE NAME (UPDATED BY) S:\VAD\TRANE\15-10400 MONROE WWTP PH2 (CA) (MCS)\P15-10315_M-404.DWG (MTC) XREFS: Gibson, Chase, X15-10400_Prelim, X15-10400_IB
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2			
3			
4			
5			

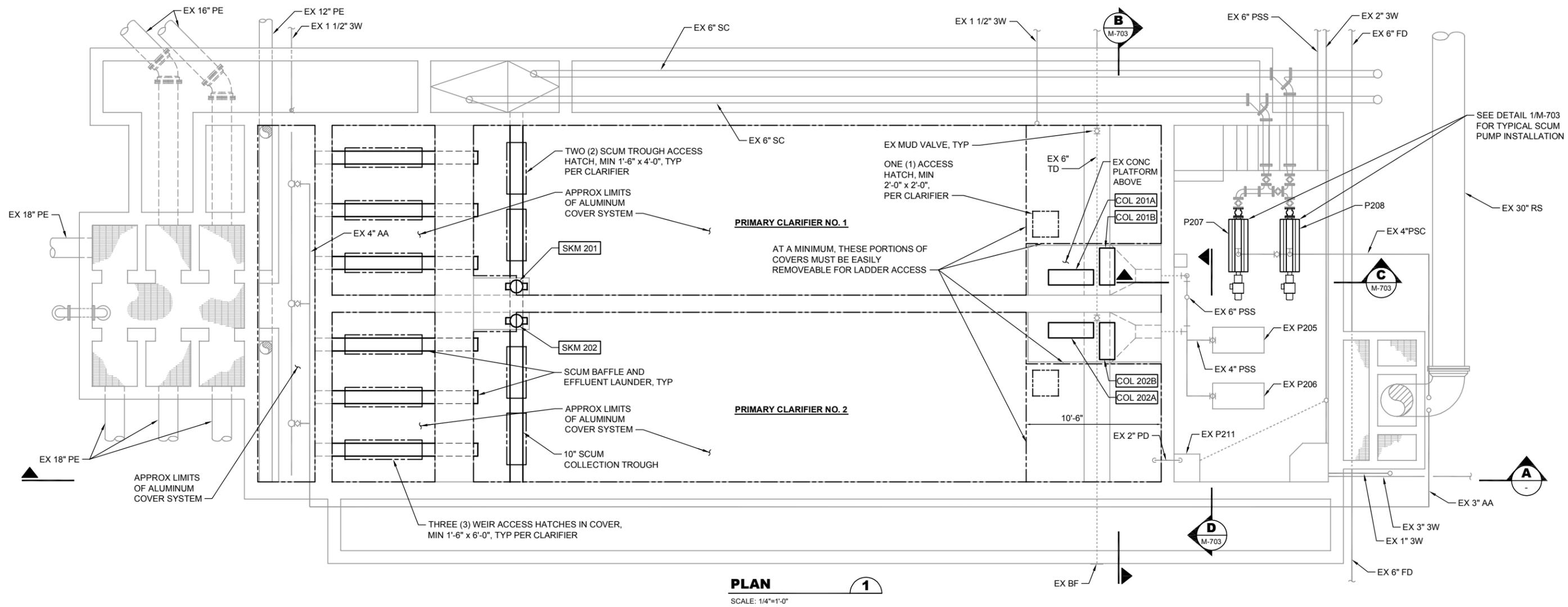
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Drawn: A. Cariaso	One Inch at Full Scale If Not One Inch Scale Accordingly
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Approved: C. Chambers, P.E.	

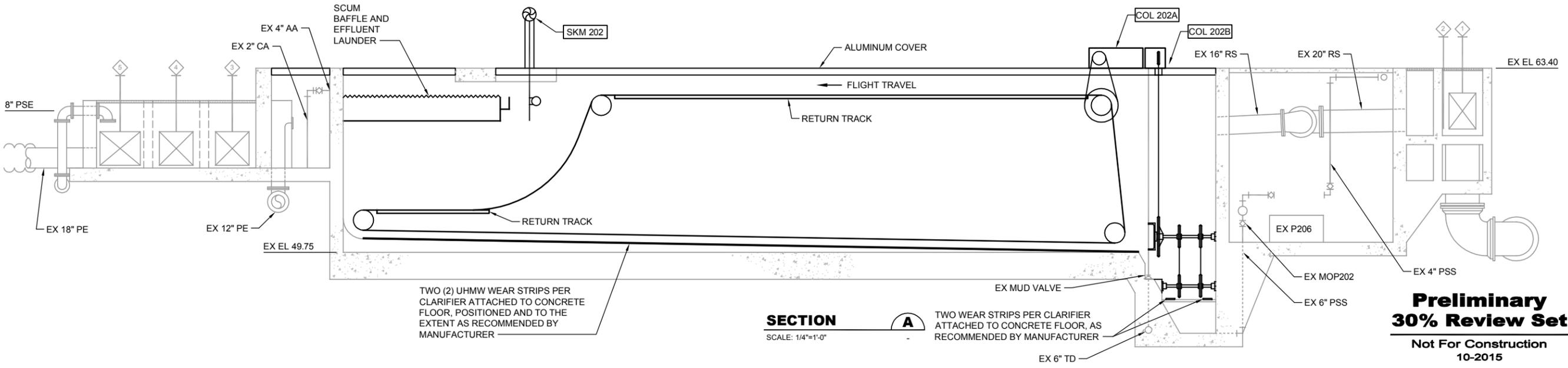
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MONROE WWTP IMPROVEMENTS PHASE 2
SLUDGE THICKENING EQUIPMENT INSTALLATION SECTION

Drawing: M-404
Sheet: 10 of 31
File: P15-10400_M-404
Date: October 2015



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



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

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FILE NAME: (UPDATED BY) PLOT DATE & TIME
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 XREFS: G:\mon... Giese, 215-10400_Prelim, 415-10400_TB

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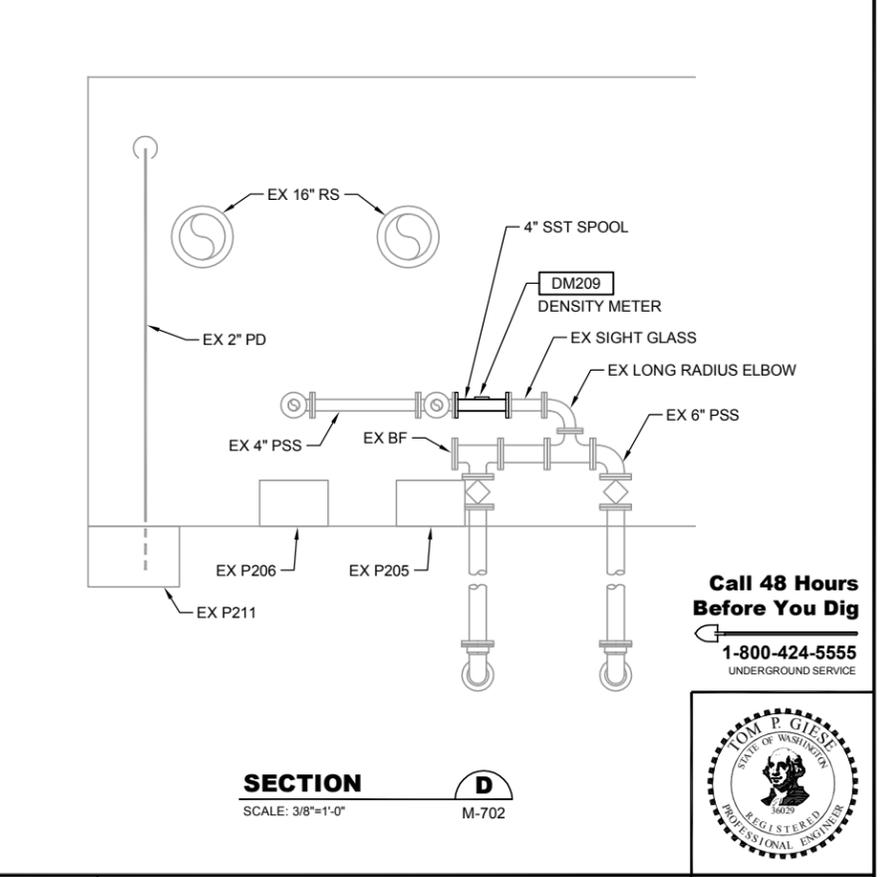
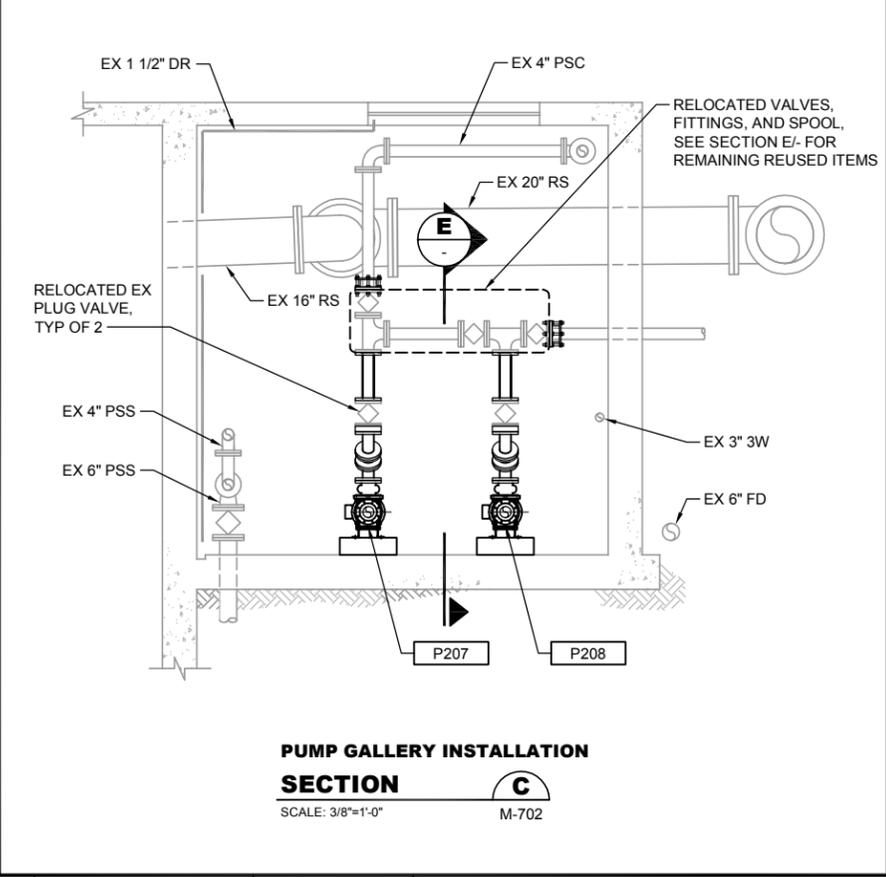
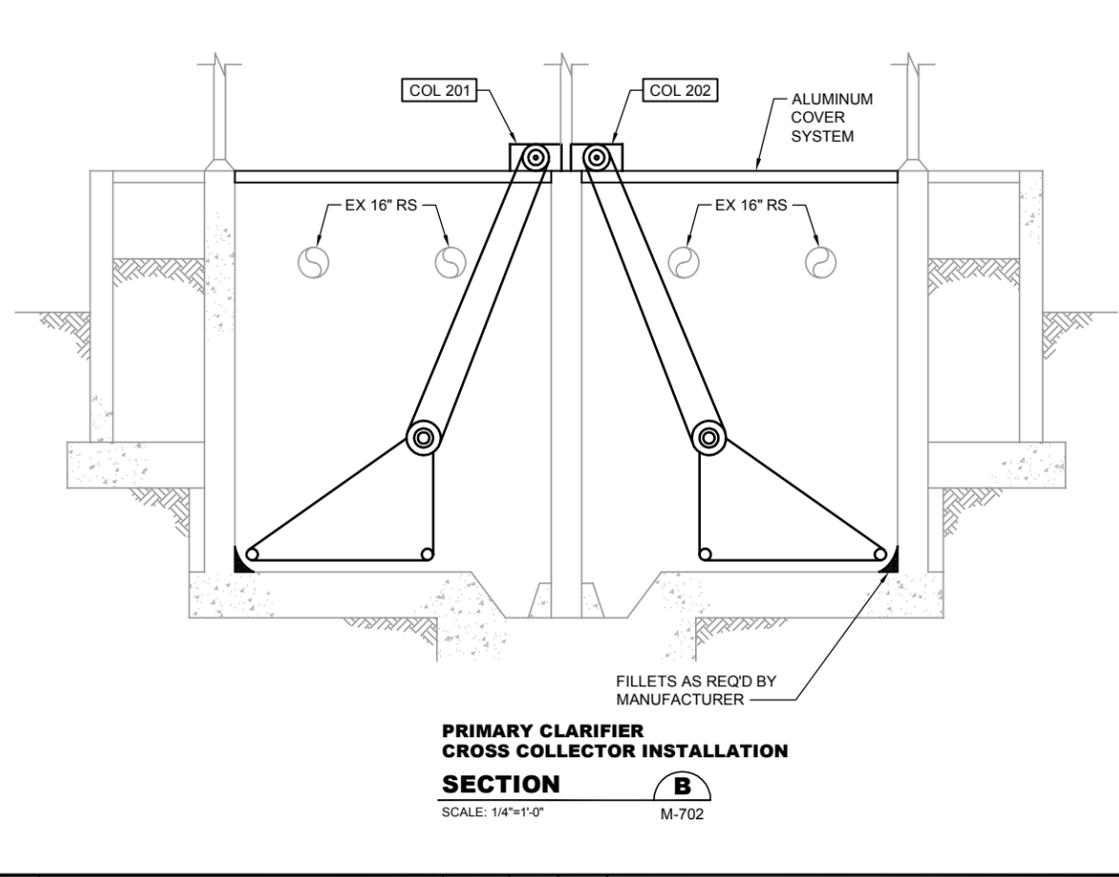
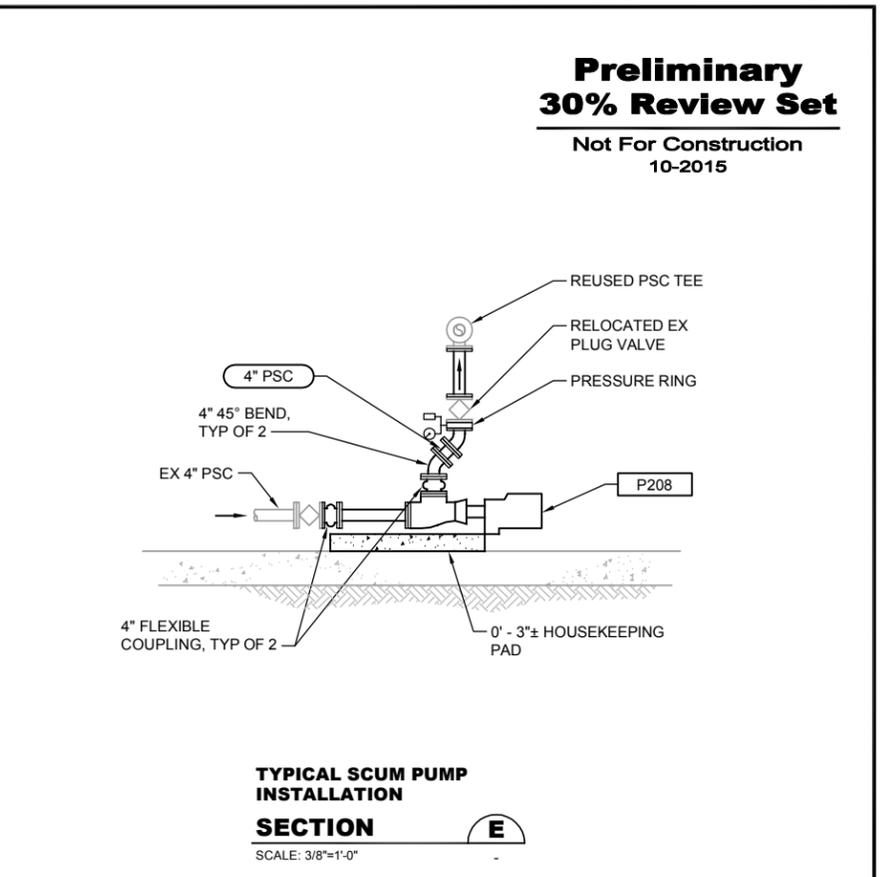
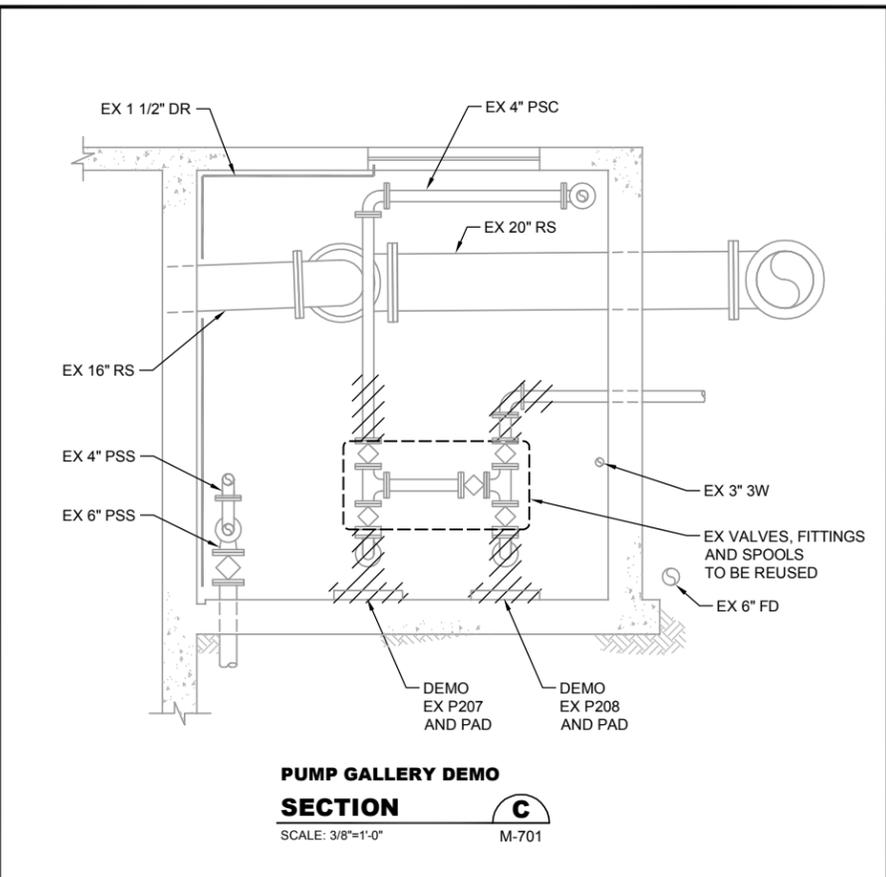
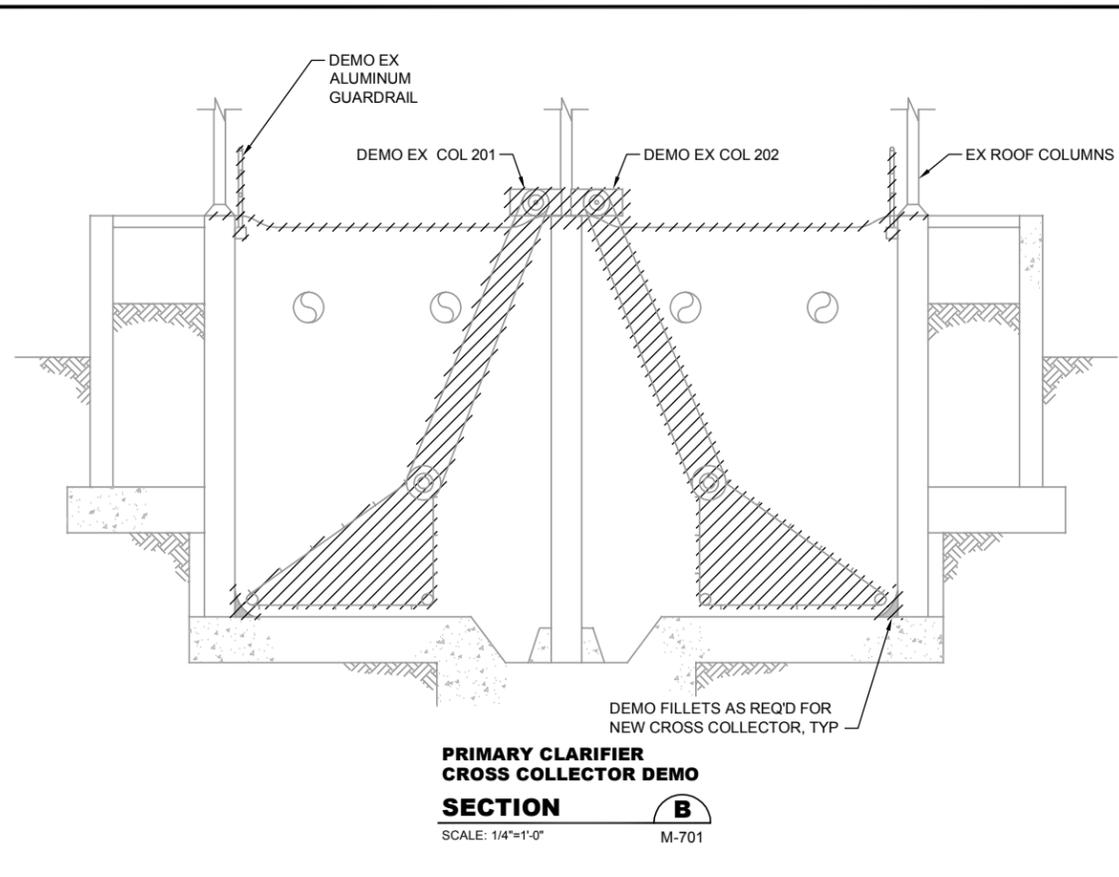
Designed: K. Gray	Scale: 1/4" = 1'-0"
Drawn: A. Cariaso	One Inch at Full Scale If Not One Inch Scale Accordingly
Checked: T. Giese, P.E.	
Approved: C. Chambers, P.E.	

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MONROE WWTP IMPROVEMENTS PHASE 2
PRIMARY CLARIFIERS AND SCUM PUMPS
EQUIPMENT INSTALLATION
PLAN AND SECTION

Drawing: M-702
Sheet: 12 of 31
File: P15-10400_M-702
Date: October 2015

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 XREFS: Chason, Chason, X15-10400_Prelim, X15-10400_IB

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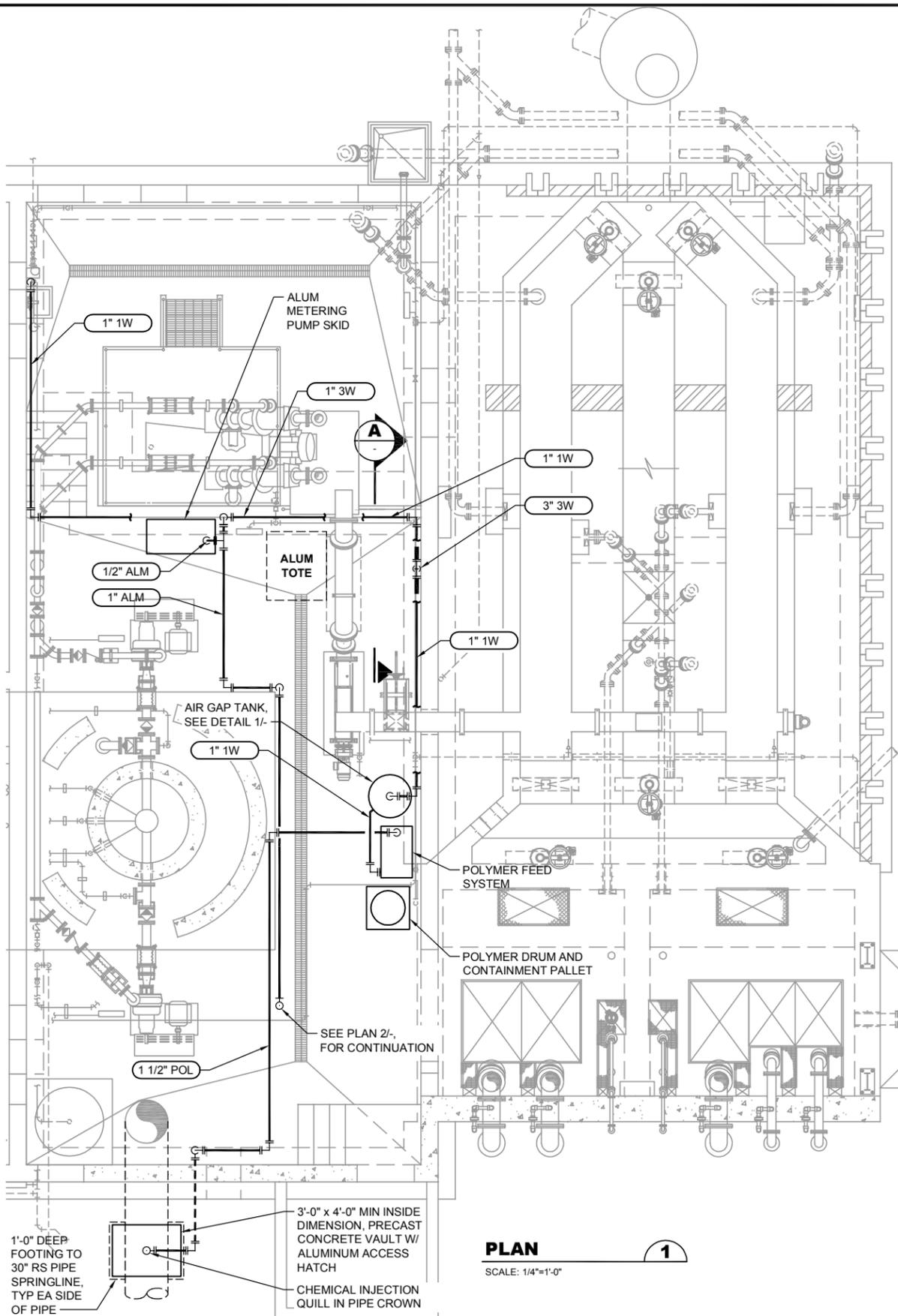
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Drawn: A. Cariaso	One Inch at Full Scale If Not One Inch Scale Accordingly
Checked: T. Giese, P.E.	
Approved: C. Chambers, P.E.	

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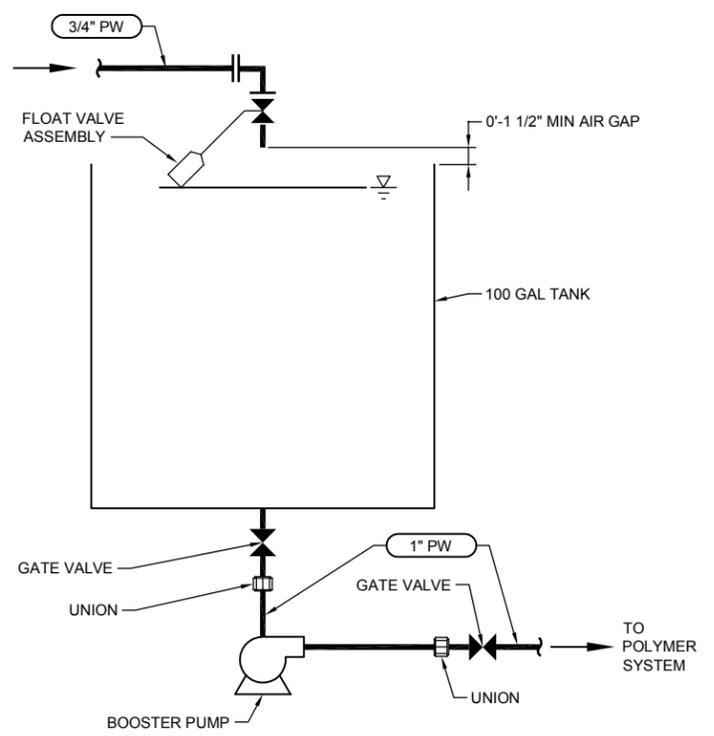
**MONROE WWTP IMPROVEMENTS PHASE 2
 PRIMARY CLARIFIERS AND SCUM PUMPS
 EQUIPMENT DEMOLITION AND
 INSTALLATION SECTIONS**

Drawing: **M-703**
 Sheet: **13** of **31**
 File: P15-10400_M-703
 Date: October 2015
 Consent Agenda #3
 AB16020

NORTH

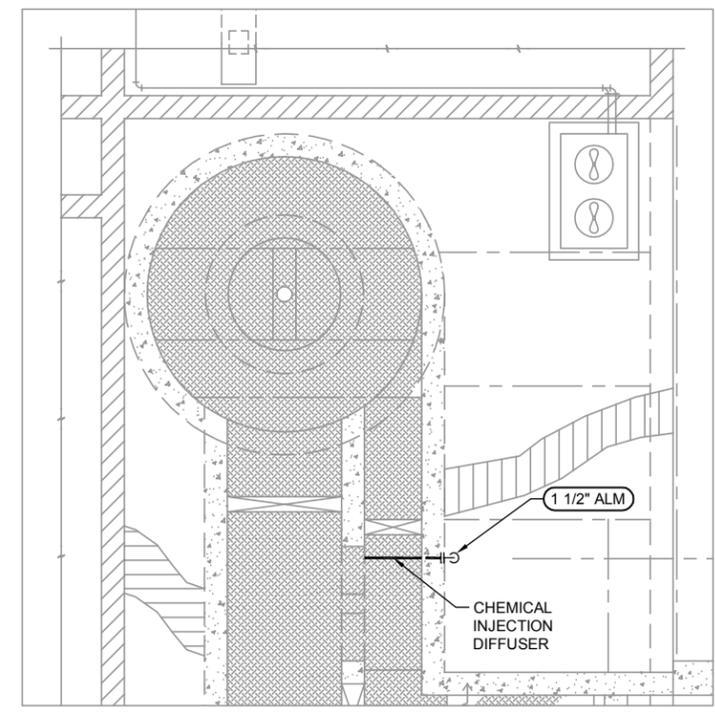


PLAN
SCALE: 1/4"=1'-0"

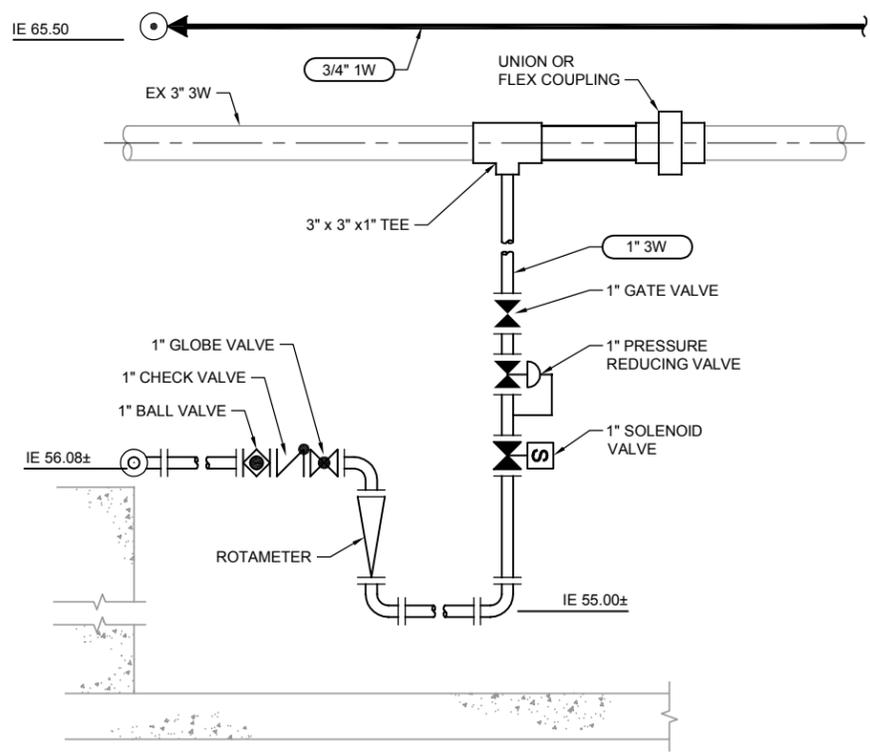


**AIR GAP TANK
DETAIL**
NTS

NORTH



**DECK AREA
PLAN**
SCALE: 1/4"=1'-0"



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

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400 MONROE WWTP P&ID\DWG\P15-10315_M-TRADING (MTC) XREFS: Olson, Chen, X15-10400_Prelim, X15-10400_IB
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Designed: K. Gray	Scale: As Shown
Drawn: A. Cariaso	One Inch at Full Scale
Checked: T. Giese, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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MONROE WWTP IMPROVEMENTS PHASE 2
CEPT EQUIPMENT INSTALLATION
PLANS AND SECTION

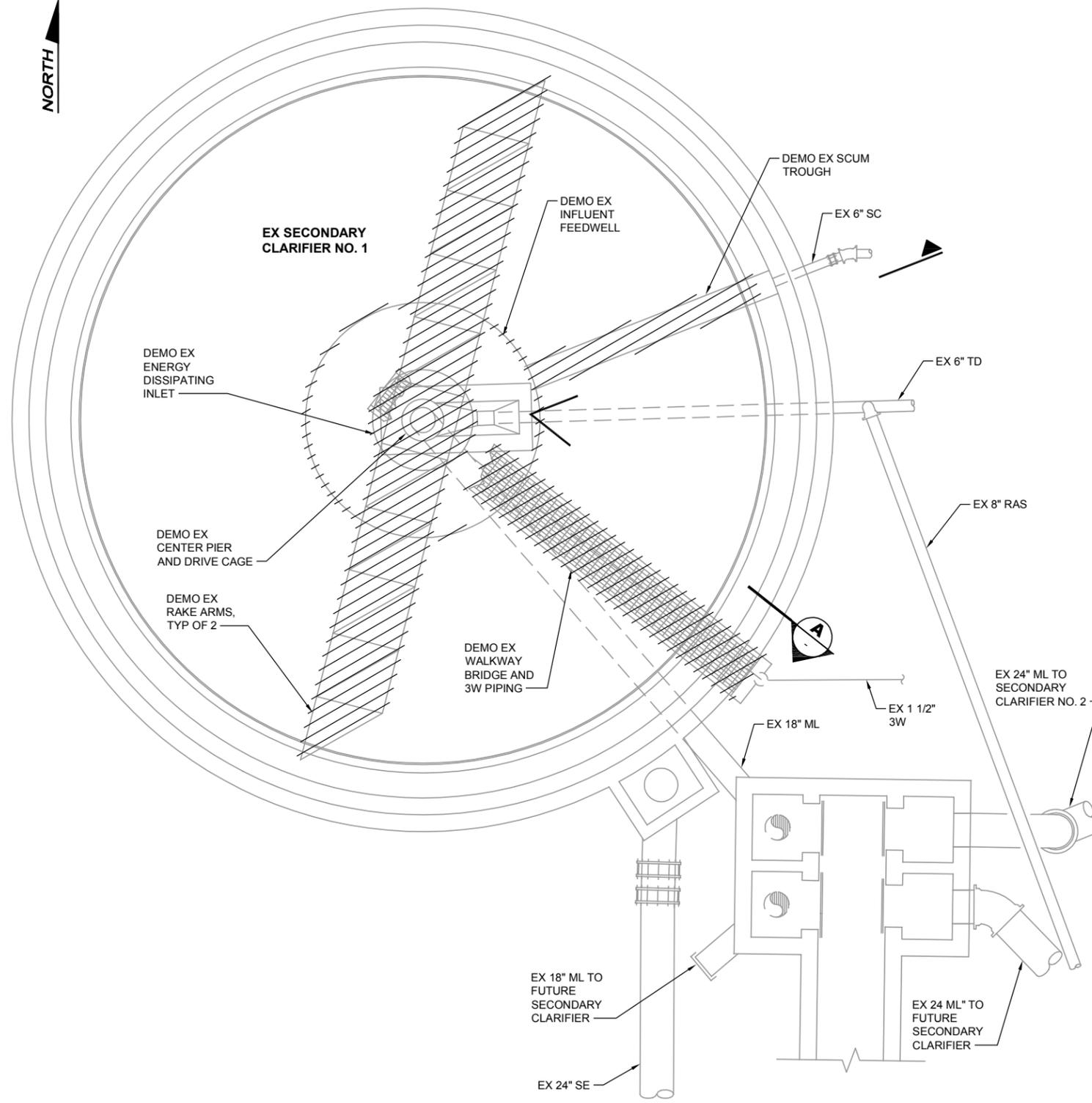
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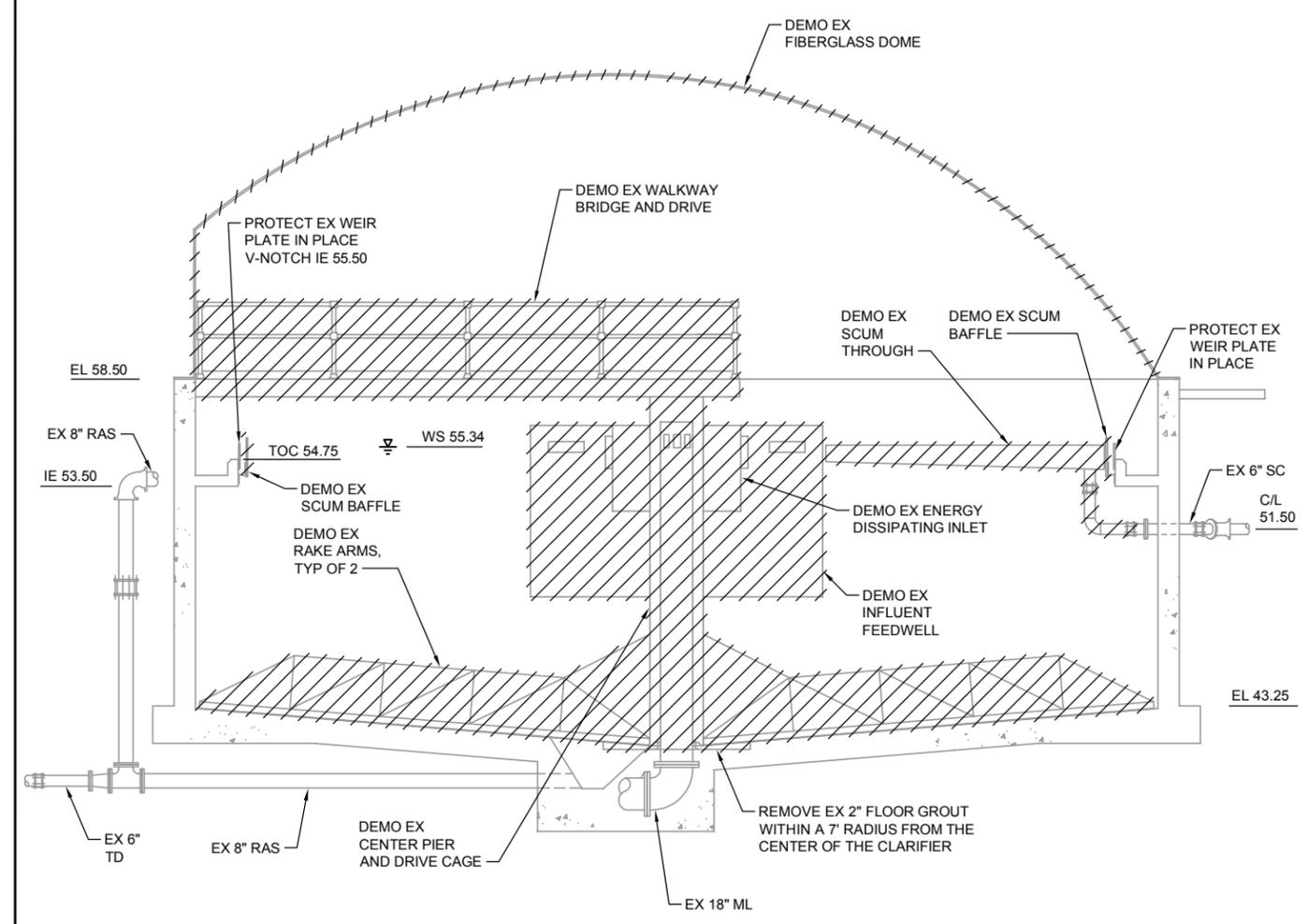
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Drawing: M-704
Sheet: 14 of 31
File: P15-10400_M-704

NORTH



SECONDARY CLARIFIER NO.1
PLAN
SCALE: 1/4" = 1'-0"



SECONDARY CLARIFIER NO.1
SECTION
SCALE: 1/4" = 1'-0"

- NOTES:**
- SKIMMER ARMS NOT SHOWN FOR CLARITY, BUT ARE TO BE DEMOED.

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OCT 07 2015 12:06:33
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XREFS: Gibson, Giese, X15-10400_Prelim, X15-10400_Secondary Clarifier, X15-10400_TB

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Drawn: S. Olsoe
Checked: C. Shen, P.E.
Approved: C. Chambers, P.E.

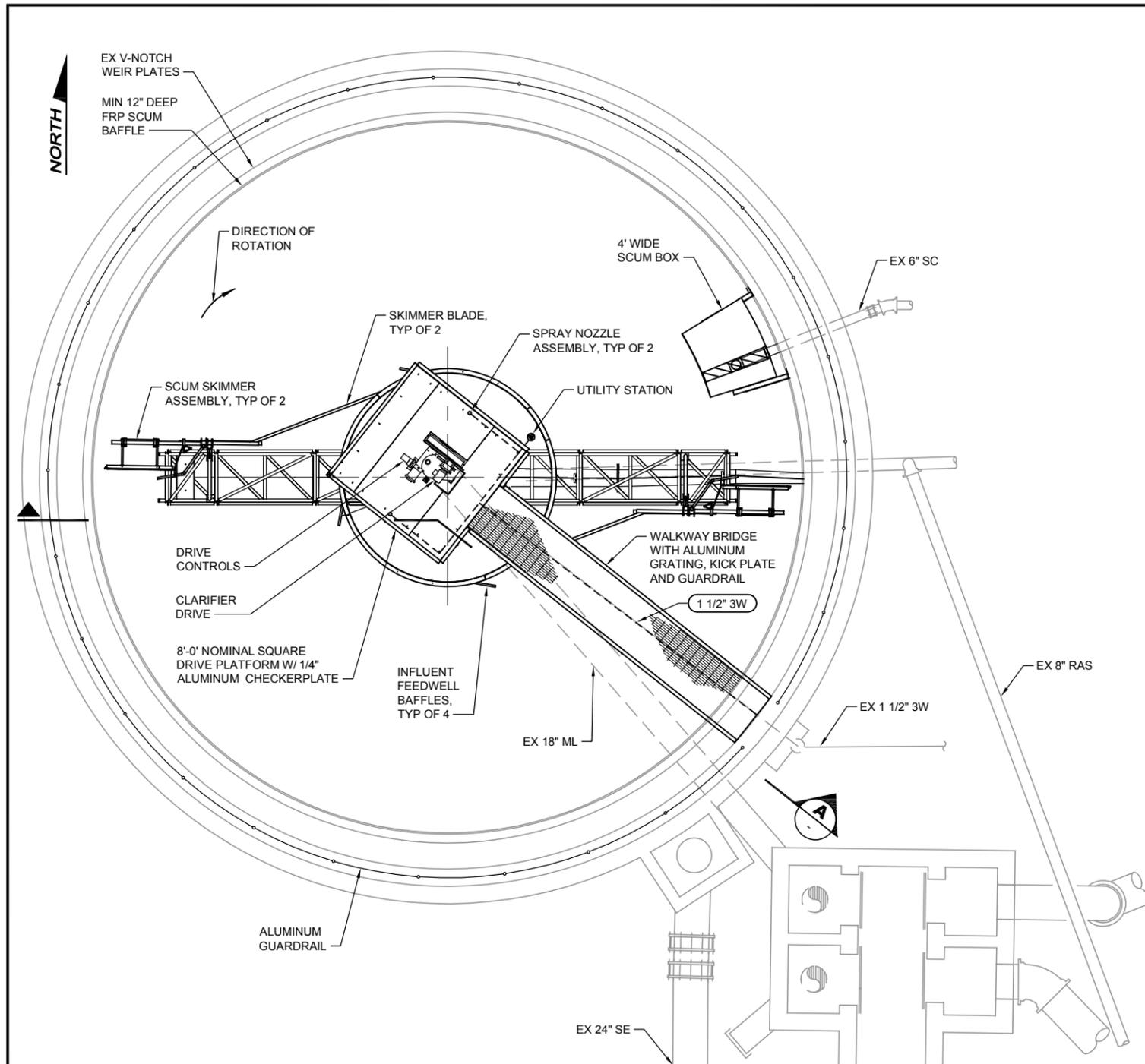
Scale:
1/4"=1'-0"
One Inch at Full Scale
If Not One Inch Scale Accordingly



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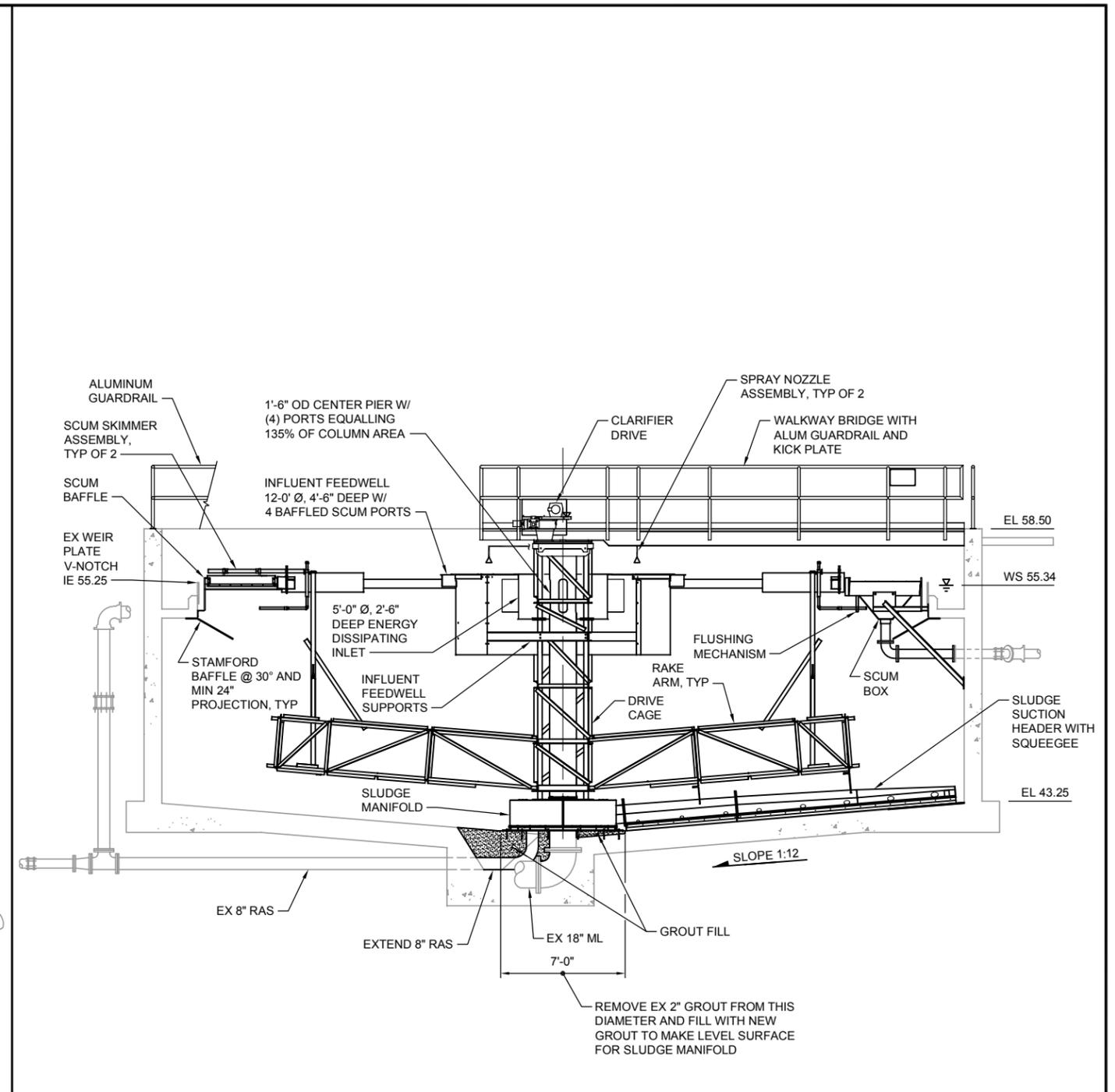
MONROE WWTP IMPROVEMENTS PHASE 2
SECONDARY CLARIFIER NO.1
DEMOLITION PLAN AND SECTION

Drawing: **M-801**
Sheet: **15** of **31**
File: P15-10400_M-801
Date: October 2015



SECONDARY CLARIFIER NO.1
PLAN

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



SECONDARY CLARIFIER NO.1
SECTION

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



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FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400_MONROE_WWTP_P&E\GA\DWG\15-10315_M-802.DWG (MTC)
XREFS: Gibson, Giese, X15-10400_Prelim, X15-10400_Secondary Clarifier, X15-10400_TB

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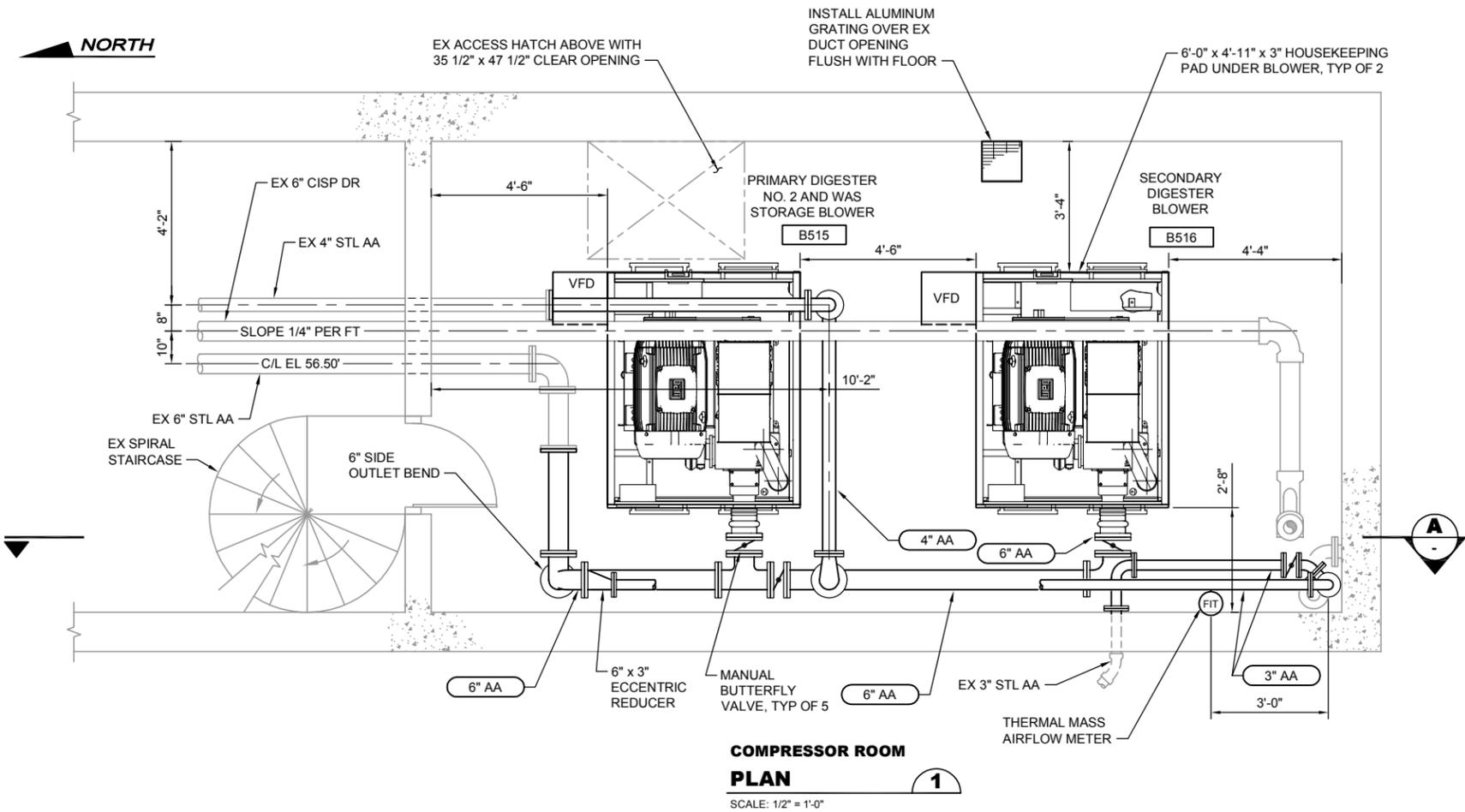
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Drawn: S. Olsoe	One Inch at Full Scale
Checked: C. Shen, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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MONROE WWTP IMPROVEMENTS PHASE 2
SECONDARY CLARIFIER NO.1
EQUIPMENT INSTALLATION
PLAN AND SECTION

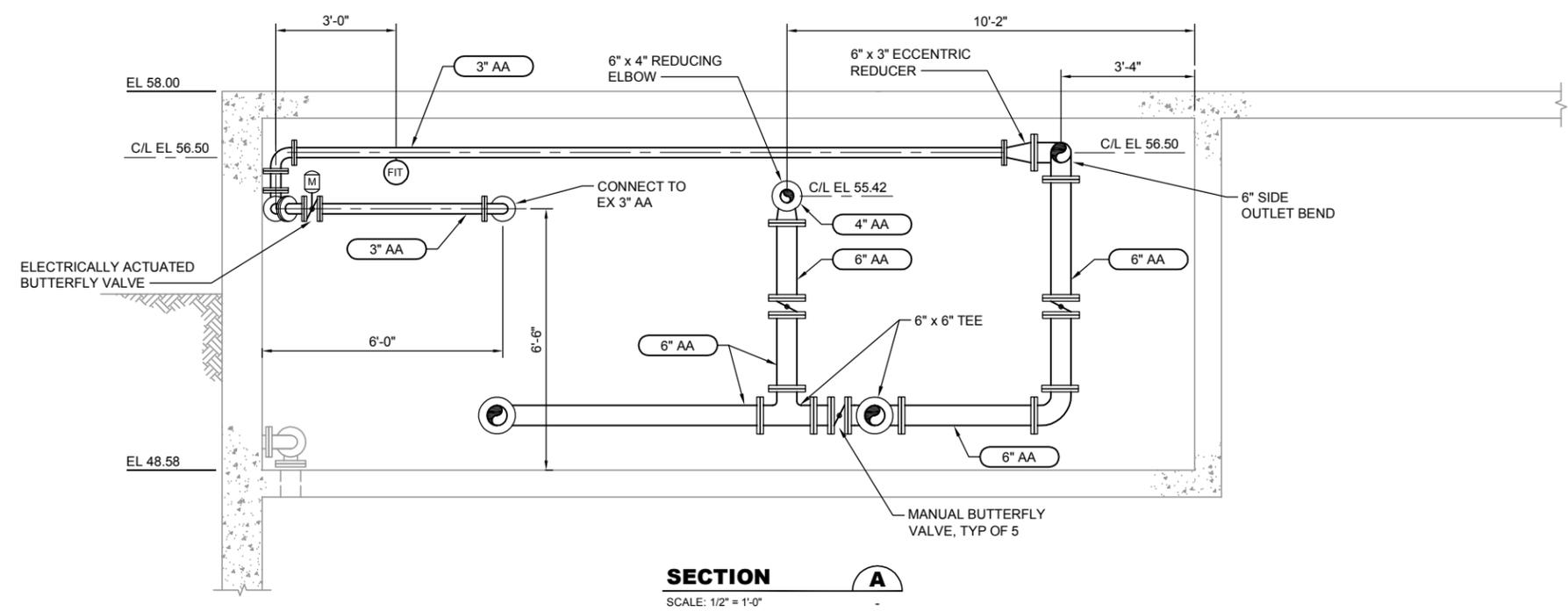
Drawing: M-802
Sheet: 16 of 31
File: P15-10400_M-802
Date: October 2015

NORTH



NOTE:
 LOCATION OF BLOWER CONNECTIONS BASED ON AERZEN BLOWERS. CONNECTIONS WOULD NEED TO BE SHIFTED SOUTH TO ACCOMMODATE WIDER KAESER BLOWERS.

COMPRESSOR ROOM PLAN
1
 SCALE: 1/2" = 1'-0"



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

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400 MONROE WWTP PH2 (CA) (MCS)\P15-10315_M-902.DWG (MTC) XREFS: Chason, Chason, 215-10400_Prelim, 215-10400_IB
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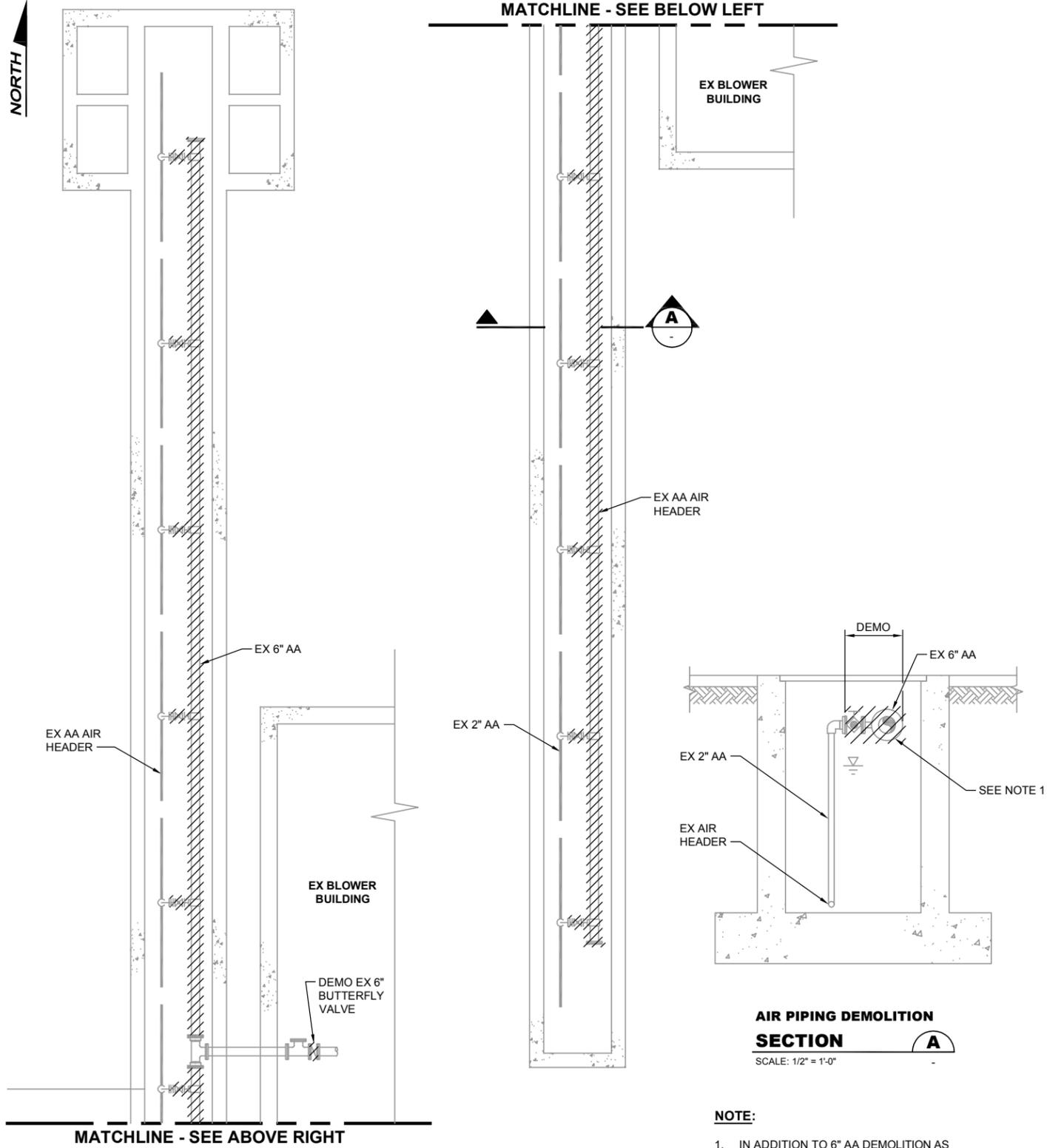
Designed: T. Giese, P.E.	Scale: 1/2" = 1'-0"
Drawn: M. Caldwell	One Inch at Full Scale
Checked: C. Shen, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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MONROE WWTP IMPROVEMENTS PHASE 2
COMPRESSOR ROOM EQUIPMENT INSTALLATION PLAN AND SECTION

Drawing: M-902
Sheet: 18 of 31
File: P15-10400_M-902
Date: October 2015

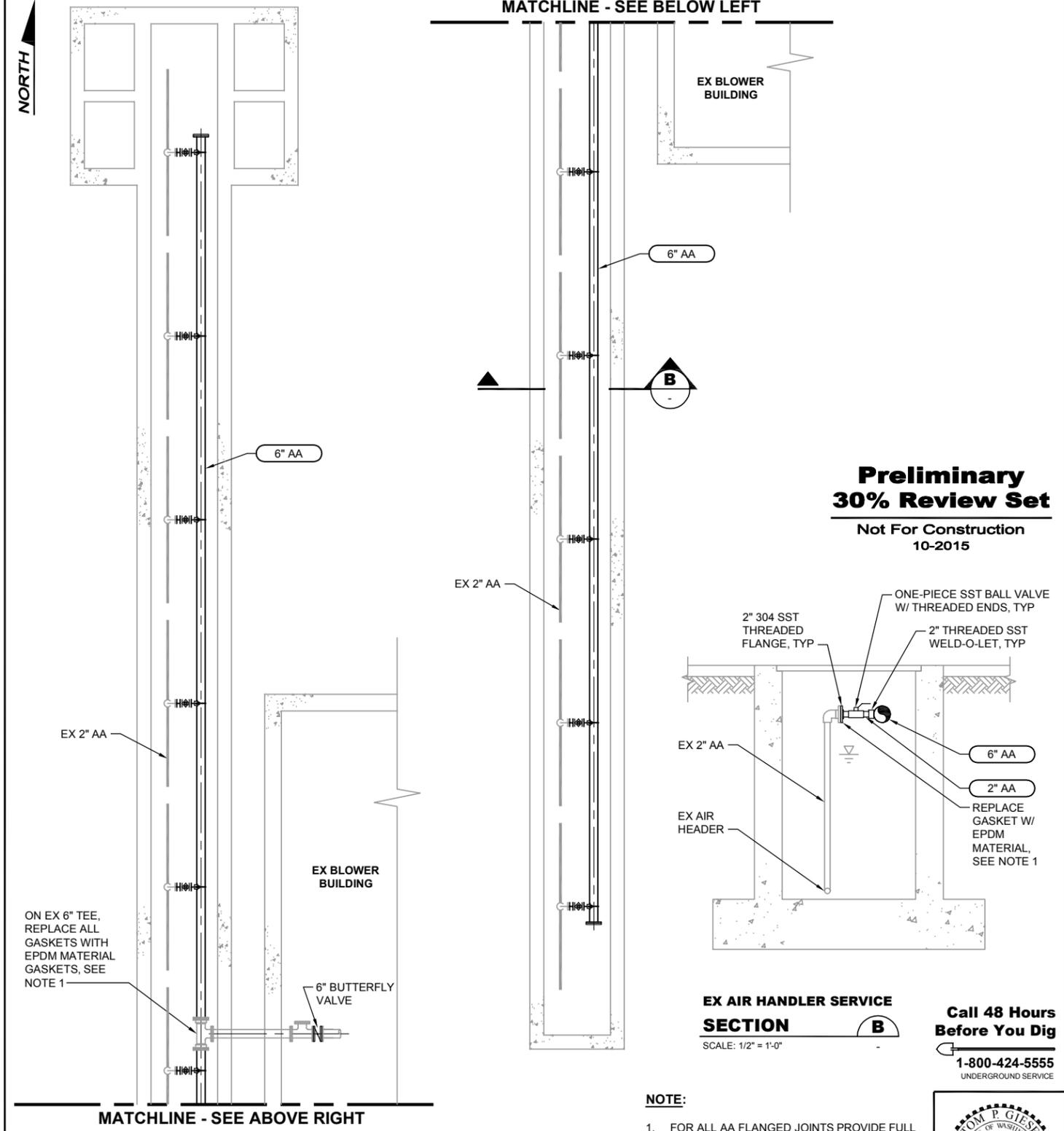
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 PLOT DATE & TIME: OCT 09 2015 13:10:27



AIR PIPING DEMOLITION SECTION
SCALE: 1/2" = 1'-0"

MIXED LIQUOR CHANNEL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

NOTE:
1. IN ADDITION TO 6" AA DEMOLITION AS INDICATED ABOVE DEMO ELEVEN (11) GLOBE VALVES AND FLANGED CONNECTION AS SHOWN IN SECTION A/-.



EX AIR HANDLER SERVICE SECTION
SCALE: 1/2" = 1'-0"

MIXED LIQUOR CHANNEL PLAN
SCALE: 1/4" = 1'-0"

NOTE:
1. FOR ALL AA FLANGED JOINTS PROVIDE FULL FACE, FLAT RING, 1/8-INCH EPDM GASKETS.
2. PROVIDE ELEVEN (11) EX AIR HEADER SERVICE CONNECTIONS AS SHOWN IN SECTION B/-.

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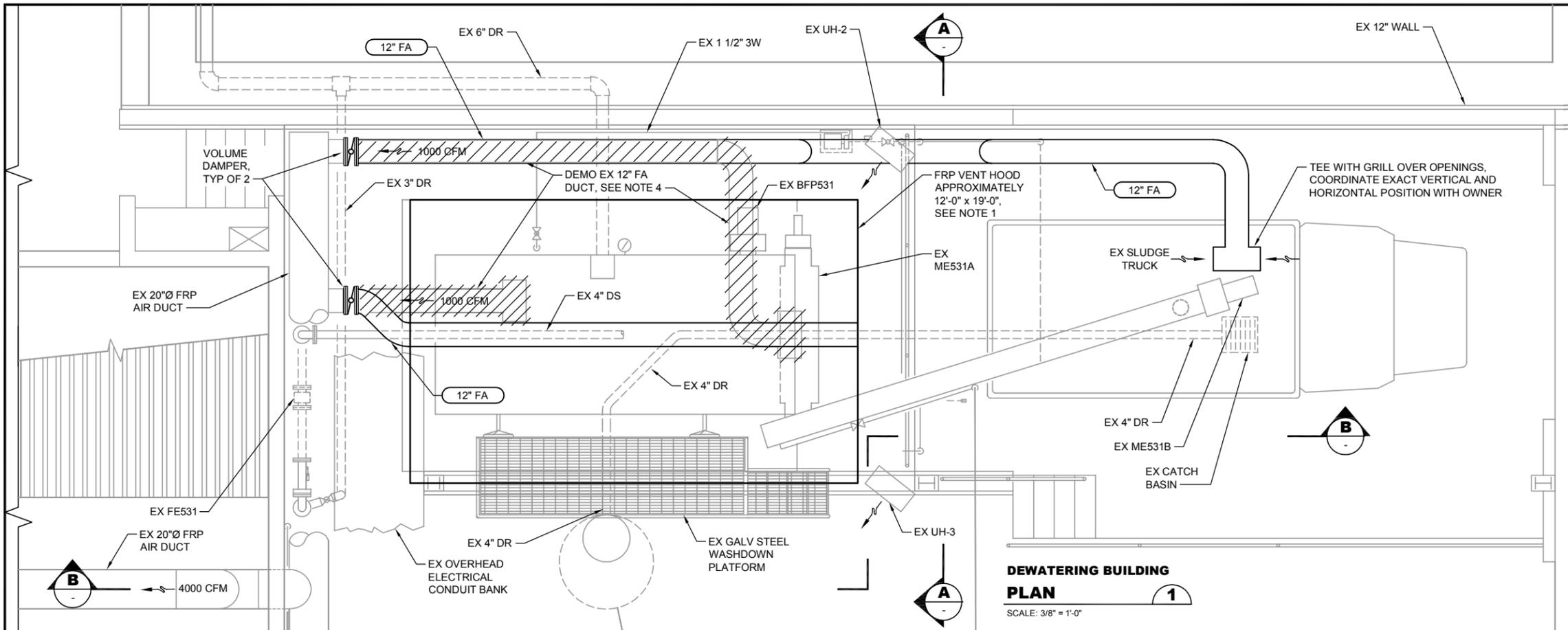
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1601 Fifth Avenue, Suite 500
Seattle, Washington 98101
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206.505.3406 (fax)
www.bhcconsultants.com

Designed: T. Giese, P.E.	Scale: As Shown
Drawn: G. Castillo	One Inch at Full Scale If Not One Inch Scale Accordingly
Checked: C. Shen, P.E.	
Approved: C. Chambers, P.E.	

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2333 158th Court NE
Bellevue, WA 98008
Phone: 425-643-4310
Fax: 425-643-4314

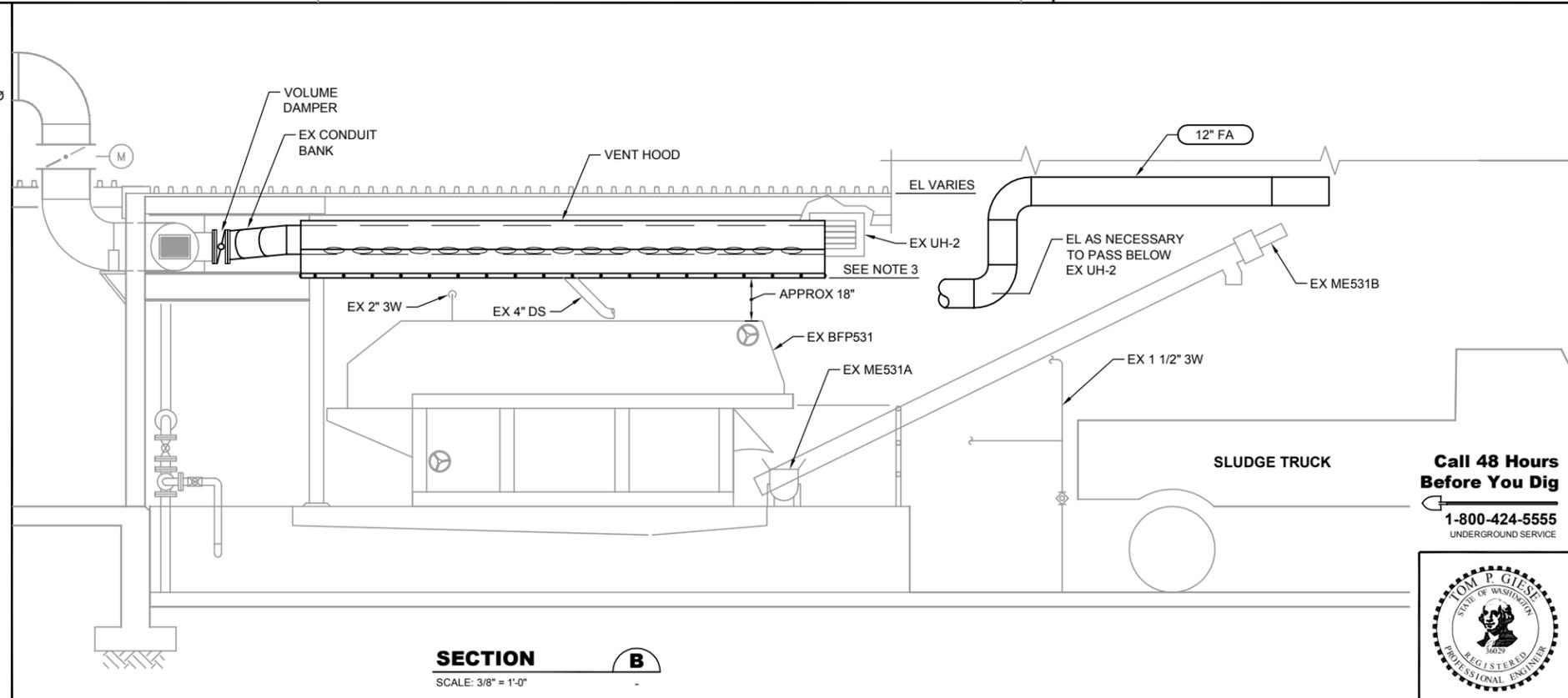
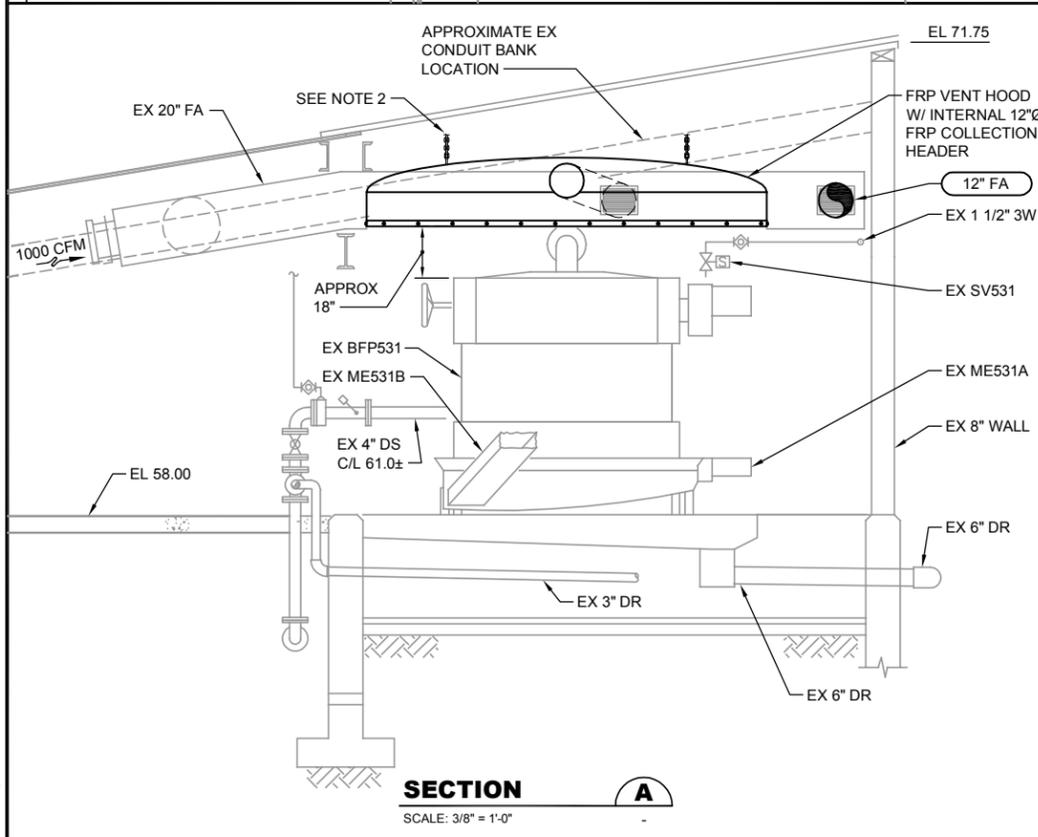
MONROE WWTP IMPROVEMENTS PHASE 2
MIXED LIQUOR CHANNEL DEMOLITION AND EQUIPMENT INSTALLATION
PLAN AND SECTION

Drawing: M-1001
Sheet: 19 of 31
File: P15-10400_M-1001
Date: October 2015



- NOTES:**
- FRP VENT HOOD DIMENSIONS TO BE AS RECOMMENDED BY MANUFACTURER ALTHOUGH DIMENSIONS SHALL NOT DEVIATE BY MORE THAN 1-FOOT IN LENGTH OR WIDTH OF GIVEN APPROXIMATE DIMENSIONS IN PLAN VIEW.
 - VENT HOOD SUPPORTS TO BE STAINLESS STEEL AND PROVIDED BY MANUFACTURER FOR ATTACHING TO CEILING ROOM, TYP.
 - COORDINATE ELEVATION WITH CEILING AND CITY MAINTENANCE REQUIREMENTS, AND PROVIDE CONTOURS AND PENETRATIONS FOR EXISTING PIPES, FIXTURES, AND STRUCTURAL COMPONENTS AS REQUIRED.
 - ADDITIONAL DEMO REQUIRED FOR REMOVAL OF DUCT SUPPORTS AND REMOVAL OF TEMPORARY TARP AND WOOD FRAMED HOOD.

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 S:\VAD\TRANE\15-10400 MONROE WWTP PH2 (CA) (DWG)\P15-10400_M-1101.DWG (MTC)
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 OCT 07 2015 12:41:59

No.	Date	By	App'd

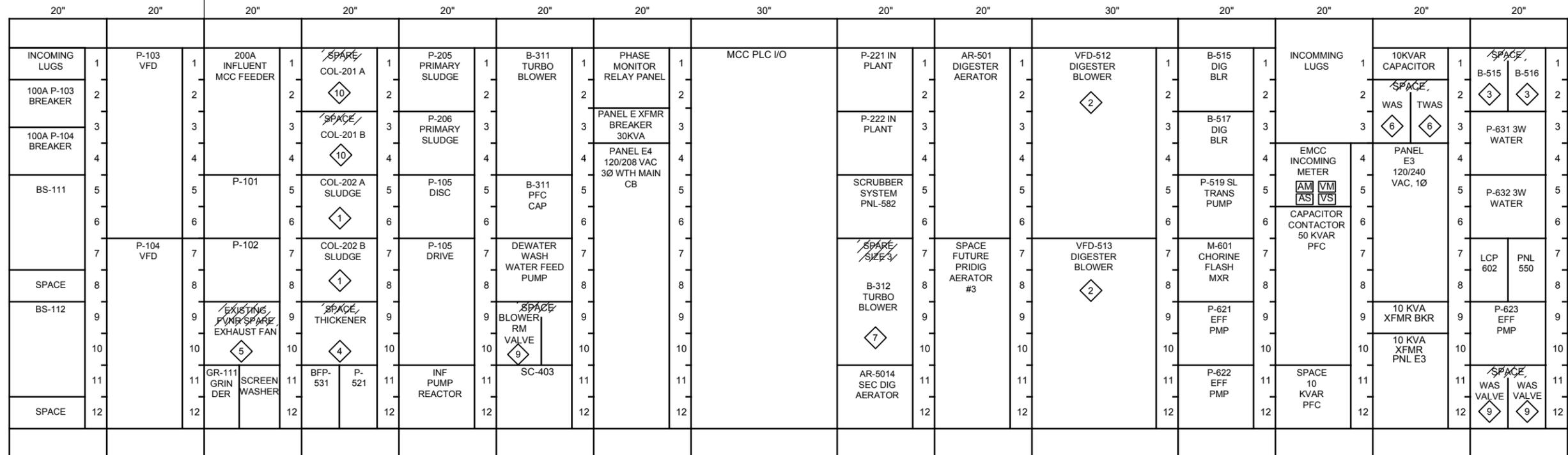
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Designed: K. Gray	Scale: 3/8" = 1'-0"
Drawn: A. Cariaso	One Inch at Full Scale If Not One Inch Scale Accordingly
Checked: T. Giese, P.E.	
Approved: C. Chambers, P.E.	

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 Bellevue, WA 98008
 Phone: 425-643-4310
 Fax: 425-643-4314

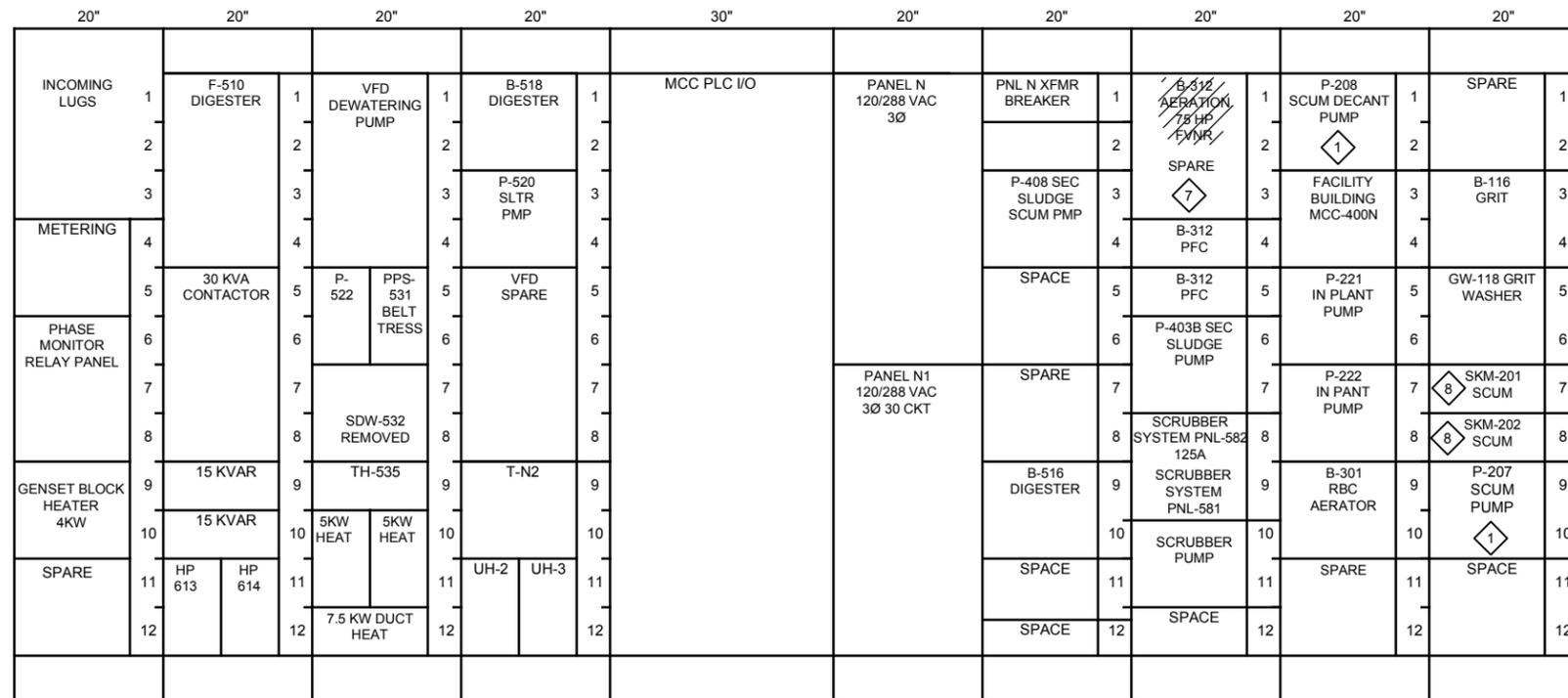
**MONROE WWTP IMPROVEMENTS PHASE 2
BFP VENT HOOD DEMOLITION AND
EQUIPMENT INSTALLATION
PLAN AND SECTIONS**

Drawing: M-1101
Sheet: 20 of 31
File: P15-10400_M-1101
Date: October 2015



OPERATIONS BUILDING EMERGENCY MCC (EMCC) ELEVATION A

CUTLER-HAMMER UNITROL MCC: SERIAL #86AF1592906-B



GENERAL NOTES:

- FOR EQUIPMENT REMOVAL, REMOVE POWER CONDUCTORS AND CONTROL.

KEY NOTES:

- 1 REUSE EXISTING STARTER. REPLACE OVERLOADS. REPLACE CONDUCTORS
- 2 SPARE DRIVE
- 3 PROVIDE BREAKER FOR NEW BLOWER
- 4 PROVIDE BREAKER FOR NEW THICKENER
- 5 USE SPARE STARTER FOR NEW FAN IN LOWER AREA OLD HEADWORKS
- 6 PROVIDE BREAKERS FOR WAS AND TWAS PUMPS
- 7 RELOCATE EXISTING BREAKER FROM NMCC TO EMCC. INTERCEPT CONDUIT IN ELECTRICAL ROOM AND REROUTE TO EMCC. REPLACE WIRING
- 8 REUSE EXISTING SCUM SKIMMER BREAKERS. REPLACE CONDUCTORS
- 9 PROVIDE CIRCUIT BREAKERS FOR NEW VALVE ACTUATORS
- 10 PROVIDE NEW STARTER IN EXISTING SPACE

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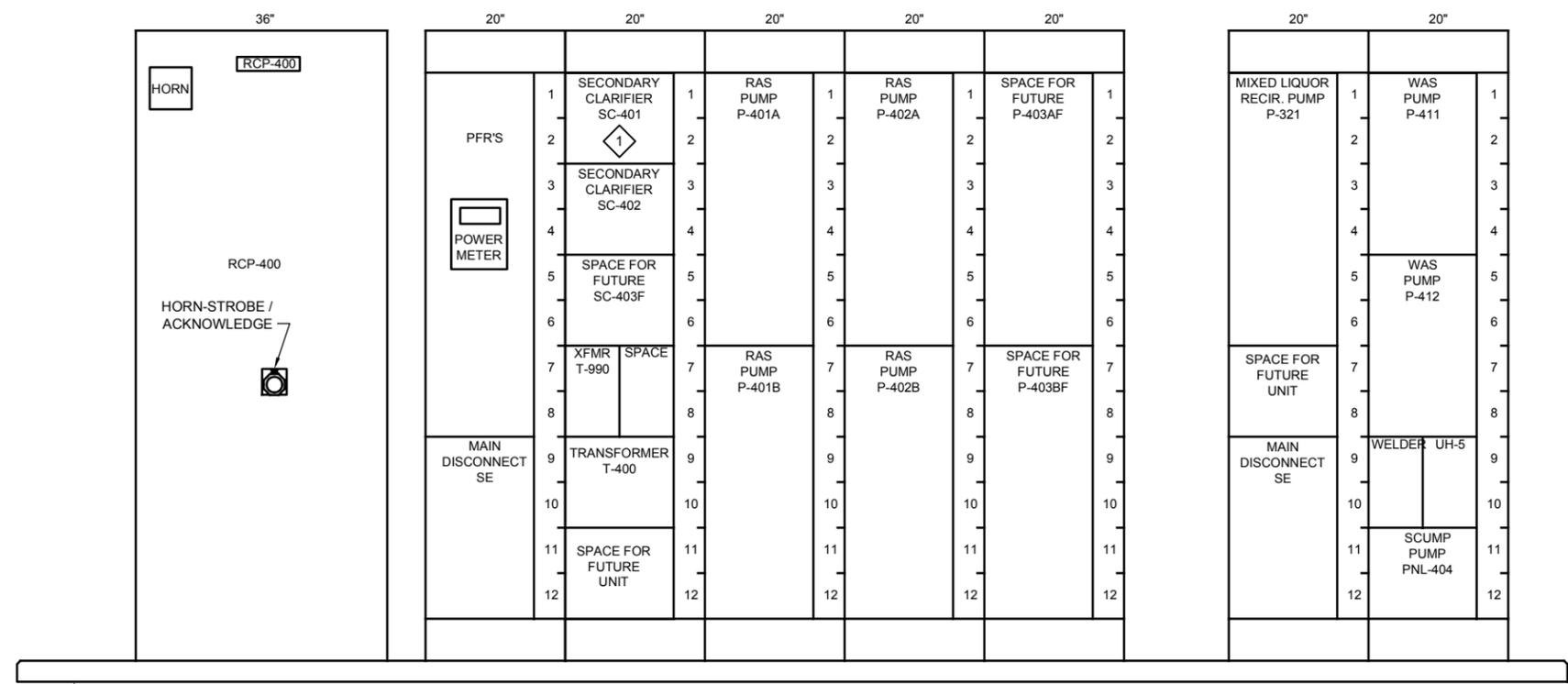
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FILE NAME: (UPDATED BY) OCT 12 2015 12:22:12
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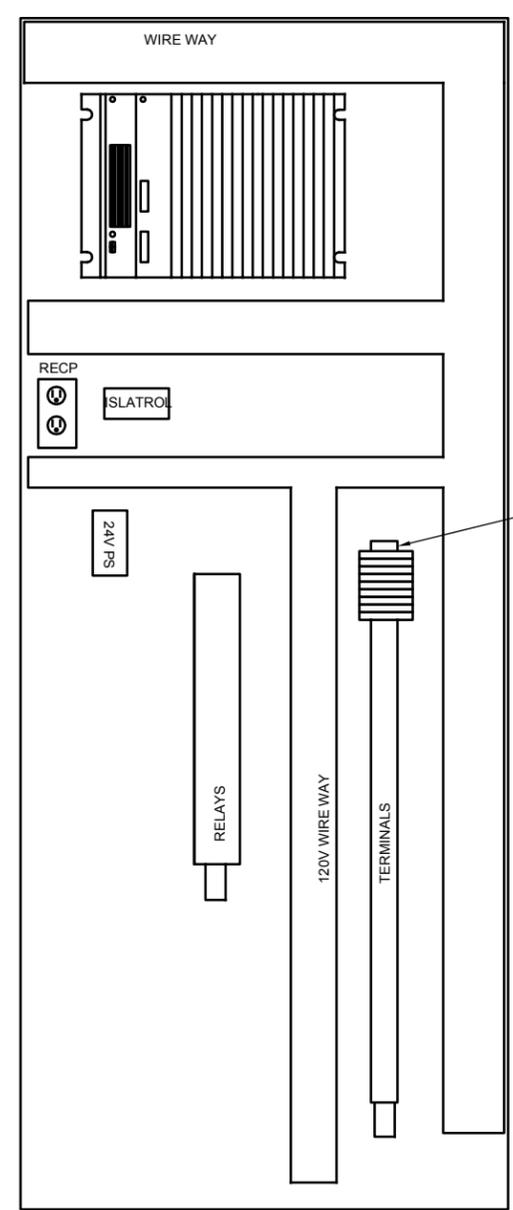
<p>BHC CONSULTANTS BHC Consultants, LLC 1601 Fifth Avenue, Suite 500 Seattle, Washington 98101 206.505.3400 206.505.3406 (fax) www.bhcconsultants.com</p>	Designed: J. Gibson, P.E. Scale: NTS	<p>TRANE 2333 158th Court NE Bellevue, WA 98008 Phone: 425-643-4310 Fax: 425-643-4314</p>	<p>MONROE WWTP IMPROVEMENTS PHASE 2</p> <p>OPERATIONS BUILDING MCC ELEVATIONS</p>	Drawing: E-1
	Drawn: A. Cariaso			Sheet: 21 of 31
	Checked: T. Giese, P.E.			File: P15-10400_E-1
	Approved: C. Chambers, P.E.			Date: October 2015

FILE NAME (UPDATED BY) PLOT DATE & TIME
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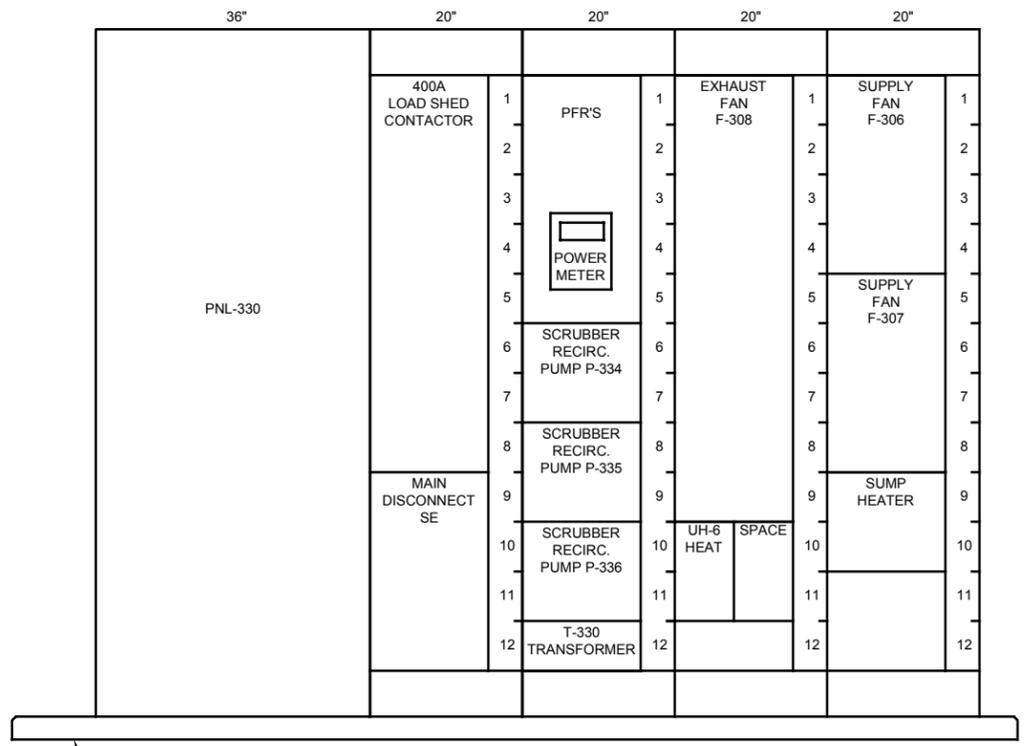


FACILITY BUILDING MCC-400E
ELEVATION A
 NTS E-2

FACILITY BUILDING MCC-400N
ELEVATION B
 NTS E-2



RCP-400 INTERIOR
ELEVATION D
 NTS E-2



AERATION BUILDING MCC-330
ELEVATION C
 NTS E-2

KEY NOTES:
 1 REUSE EXISTING STARTER FOR NEW CLARIFIER DRIVE, REPLACE OVERLOADS, REWIRE CONTROL WIRING PER MANUFACTURER

3" CONCRETE HOUSE KEEPING PAD WITH 1/2" CAMFER

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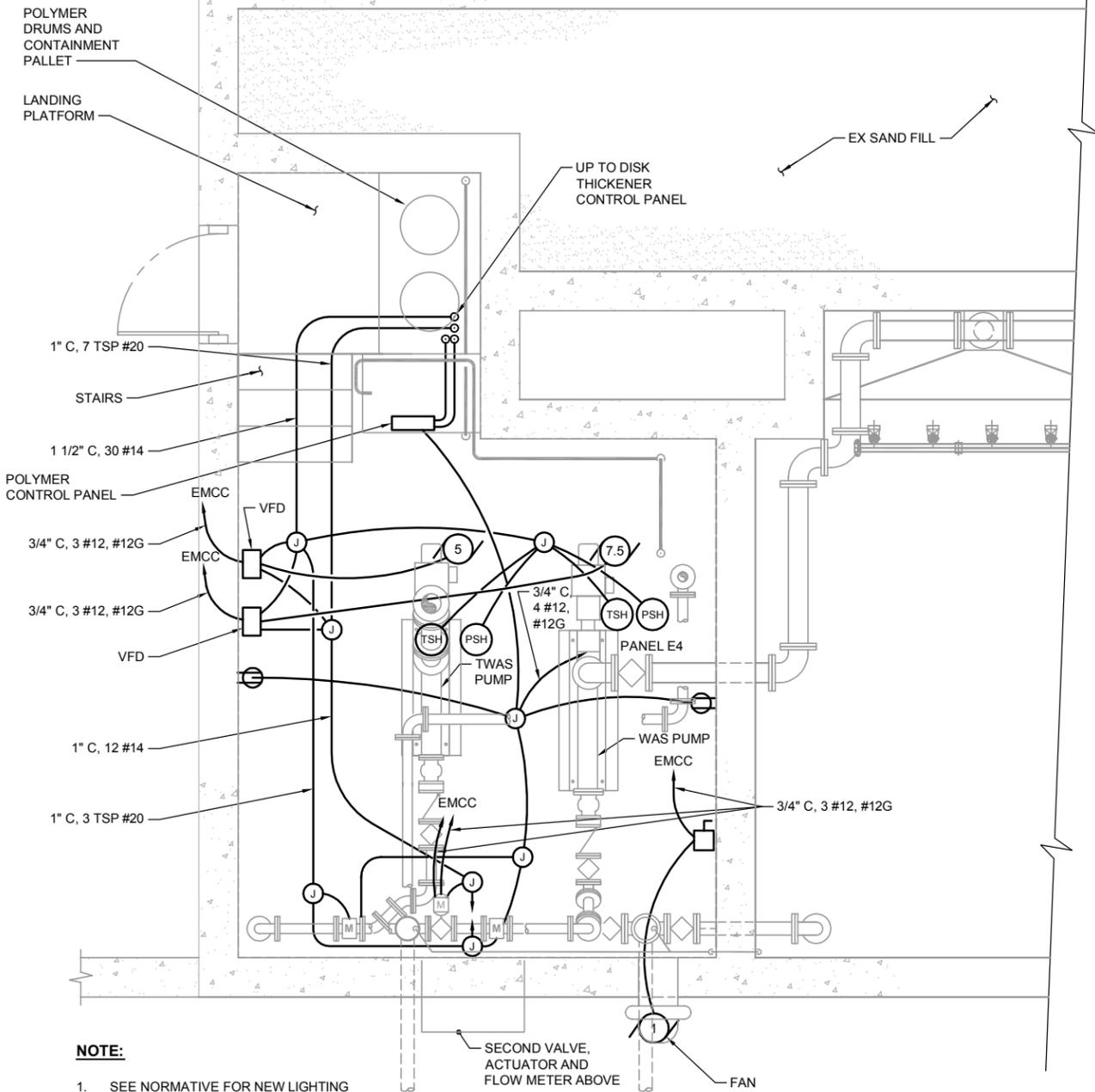
Designed: J. Gibson, P.E.
 Drawn: A. Cariaso
 Checked: T. Giese, P.E.
 Approved: C. Chambers, P.E.
 Scale: NTS
 One Inch at Full Scale
 If Not One Inch Scale Accordingly

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MONROE WWTP IMPROVEMENTS PHASE 2
MCC & CONTROL PANEL ELEVATIONS

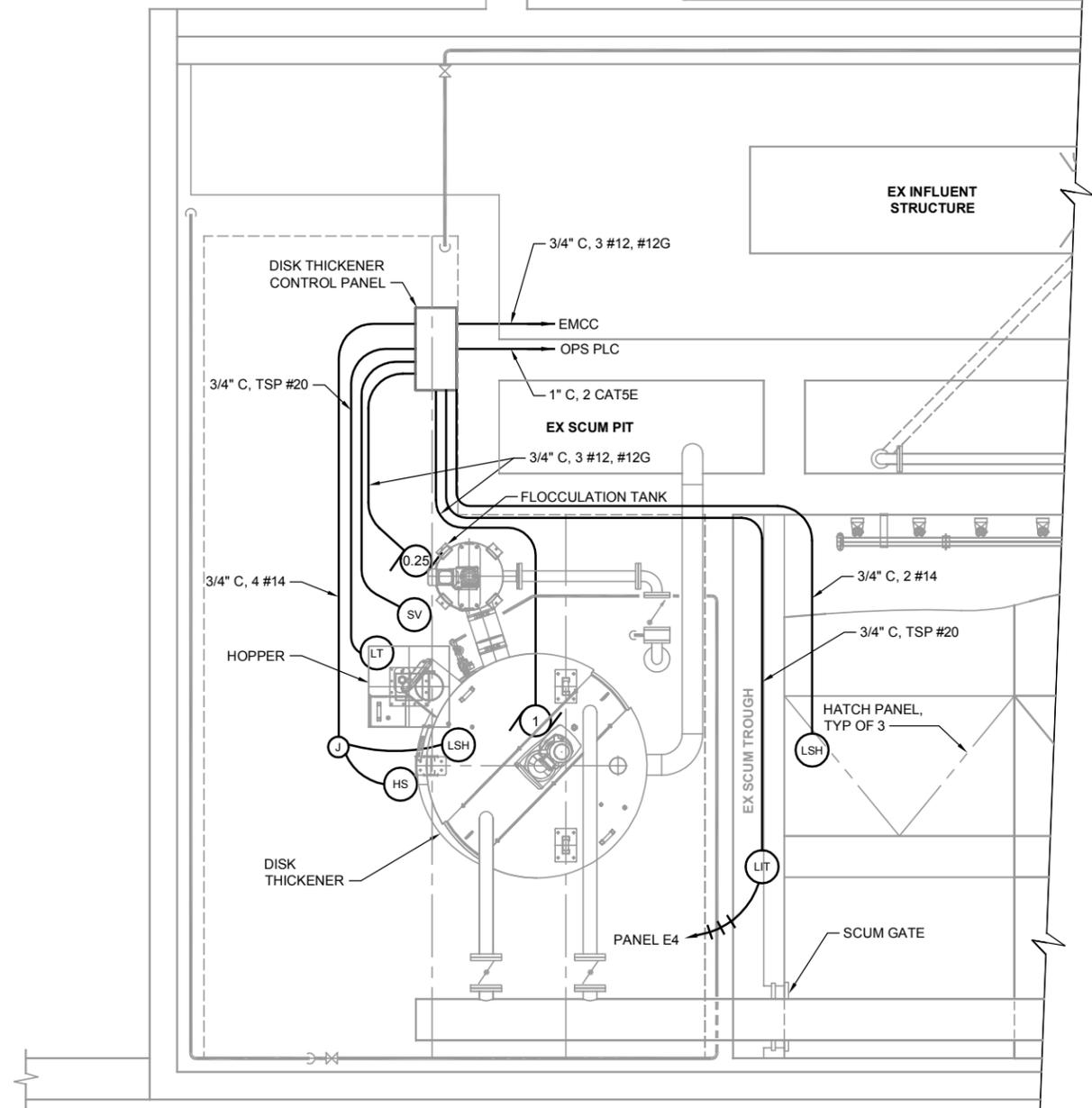
Drawing: **E-2**
 Sheet: **22** of **31**
 File: P15-10400_E-2
 Date: October 2015

NORTH



OLD HEADWORKS LOWER AREA
PLAN
 SCALE: 1/2" = 1'-0"

NORTH



OLD HEADWORKS UPPER AREA
PLAN
 SCALE: 1/2" = 1'-0"

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FILE NAME: (UPDATED BY) PLOT DATE & TIME
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 XREFS: Gibson, Chase, X15-10400_Prelim, X15-10400_IB

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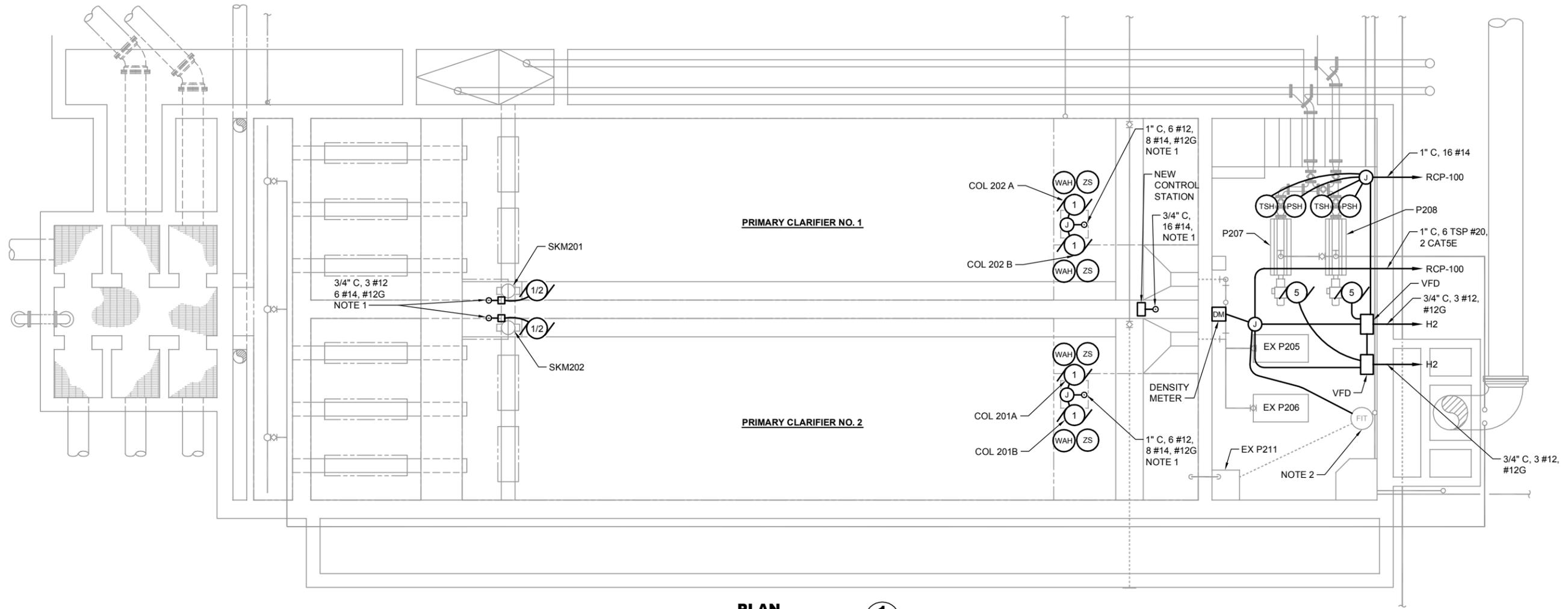
Designed: J. Gibson, P.E.
 Drawn: S. Olsoe
 Checked: T. Giese, P.E.
 Approved: C. Chambers, P.E.

Scale:
 1/2" = 1'-0"
 One Inch at Full Scale
 If Not One Inch Scale Accordingly



MONROE WWTP IMPROVEMENTS PHASE 2
SLUDGE THICKENING
LOWER AND UPPER ELECTRICAL PLAN

Drawing: **E-402**
 Sheet: **23** of **31**
 File: P15-10400_E-402



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

- NOTE:**
1. REUSE EXISTING CONDUIT IN SLAB. PROVIDE SEAL OFF FITTINGS.
 2. CONNECT EXISTING FLOW METER TO RCP-100.

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FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400 MONROE WWTP PH2 IGA\DWG\P15-10315_E-702.DWG (PL3) XREFS: Gibson, Chris, X15-10400_Prelim, X15-10400_IB
 PLOT DATE & TIME: SEP 28 2015 10:42:41

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Designed: J. Gibson, P.E.	Scale: 1/4" = 1'-0"
Drawn: P. Simon	One Inch at Full Scale
Checked: T. Giese, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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 Bellevue, WA 98008 Fax: 425-643-4314

MONROE WWTP IMPROVEMENTS PHASE 2
PRIMARY CLARIFIERS AND SCUM PUMPS
ELECTRICAL PLAN

Drawing: E-702
Sheet: 24 of 31
File: P15-10400_E-702

NORTH

EX MCC-100

SEE NOTE 1

ELECT ROOM

EX SWBD-100

1" C, 16 #14

3/4" C, 10 #14

EX PANEL L1

EX PANEL L2

EX PANELS H1 & H2

EX RCP-100

PERISTALTIC PUMP VENDOR PACKAGE

ALUM TOTE

SEE NOTE 2

SOLENOID VALVE

3/4" C, 8 #14

AIR GAP BOOSTER PUMP

SEE NOTE 3

MCC-100

3/4" C, 3 #12, #12G

SEE NOTE 2

POLYMER FEED SYSTEM

SEE NOTE 2

POLYMER DRUM AND CONTAINMENT PALLET

NOTES:

- 1. USE EXISTING SPARE STARTER FOR AIR GAP BOOSTER PUMP. PROVIDE NEW OVERLOADS. CONNECT STARTER TO RCP-100 IN EXISTING CONDUIT.
- 2. CONNECT TOTE/TANK HEATERS AS REQUIRED.
- 3. PROVIDE (4)15A, 1P CB IN EXISTING PANEL.

PLAN

1

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

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 PLOT DATE & TIME SEP 30 2015 14:35:19

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Designed: J. Gibson, P.E.	Scale: As Shown
Drawn: P. Simon	One Inch at Full Scale
Checked: T. Giese, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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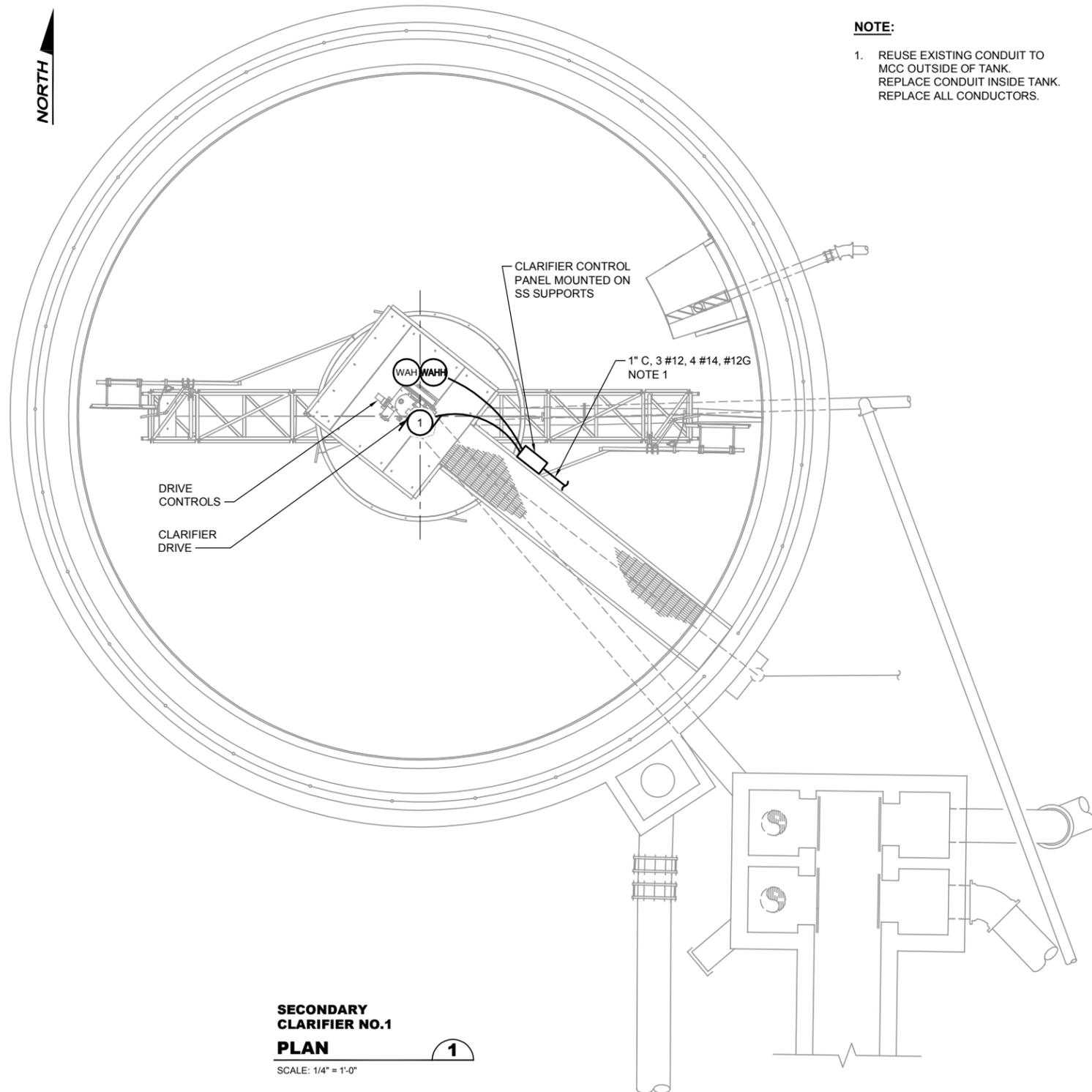
MONROE WWTP IMPROVEMENTS PHASE 2
 CEPT ELECTRICAL PLAN

Drawing: E-703
Sheet: 25 of 31
File: P15-10400_E-703

No.	Date	By	App'd
MCC Agenda 02/18/2016			

NORTH

- NOTE:**
1. REUSE EXISTING CONDUIT TO MCC OUTSIDE OF TANK.
REPLACE CONDUIT INSIDE TANK.
REPLACE ALL CONDUCTORS.



SECONDARY CLARIFIER NO.1 PLAN

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

1

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400_MONROE_WWTP_P&E\GA\DWG\15-10315_M-802_DWG_PLS
 XREFS: Desc: X15-10400_Prelim_X15-10400_Secondary Clarifier_X15-10400_IB
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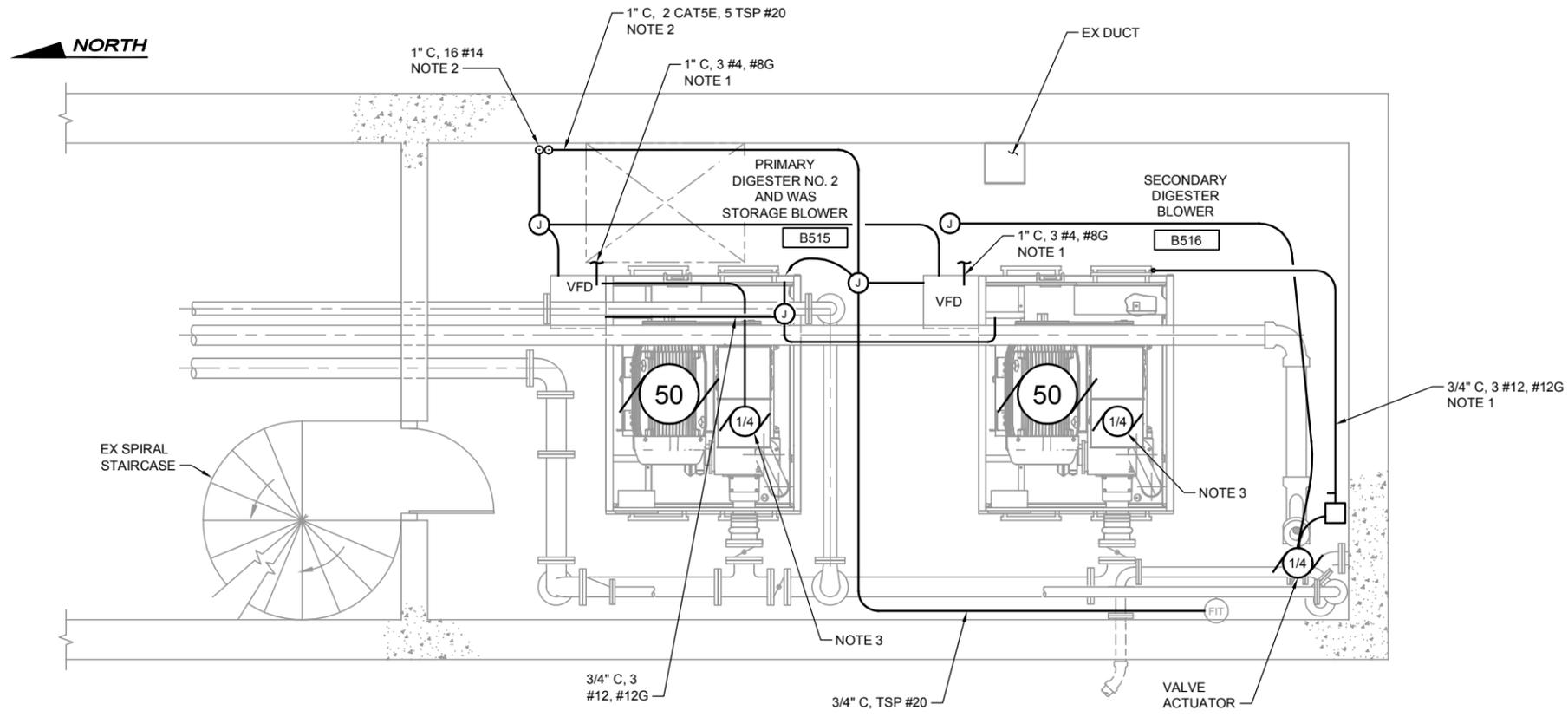
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Designed: J. Gibson, P.E.	Scale: 1/4" = 1'-0"
Drawn: A. Cariaso	One Inch at Full Scale
Checked: T. Giese, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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 Bellevue, WA 98008 Fax: 425-643-4314

MONROE WWTP IMPROVEMENTS PHASE 2
SECONDARY CLARIFIER NO.1 EQUIPMENT INSTALLATION PLAN AND SECTION

Drawing: E-802
Sheet: 26 of 31
File: P15-10400_E-802
Date: October 2015



- NOTE:**
- CONNECT TO EXISTING 1" C IN FLOOR. REPLACE CONDUCTORS.
 - CORE DRILL FOR CONTROL CONDUITS.
 - BLOWER COOLING FAN AND CONTROLLER TAPPED OFF BLOWER FEEDER.

**COMPRESSOR ROOM
PLAN**
SCALE: 1/2" = 1'-0"

FILE NAME (UPDATED BY) PLOT DATE & TIME
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 XREFS: Gibson, Chase, X15-10400_Prelim, X15-10400_IB

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Designed: J. Gibson	Scale: 1/2" = 1'-0"
Drawn: A. Cariaso	One Inch at Full Scale
Checked: T. Giese, P.E.	If Not One Inch Scale Accordingly
Approved: C. Chambers, P.E.	

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**MONROE WWTP IMPROVEMENTS PHASE 2
COMPRESSOR ROOM EQUIPMENT
ELECTRICAL PLAN**

Drawing: E-902
Sheet: 27 of 31
File: P15-10400_E-902
Date: October 2015

PIPING SYMBOLS

INSTRUMENTATION SYMBOLS

MECHANICAL EQUIPMENT SYMBOLS		PIPE LINE DEVICE SYMBOLS		VALVE & ACTUATOR SYMBOLS		PRIMARY ELEMENT SYMBOLS		FUNCTION IDENTIFICATION						
								FIRST LETTER(S)		SUCCEEDING LETTERS				
								MEASURED OR INITIATING VARIABLE		MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT	MODIFIER	
	CENTRIFUGAL PUMP (PCN)		COMPRESSOR (CENTRIFUGAL) (P-ACC)		INJECTOR		SLUICE GATE (CSL)		ORIFICE PLATE	A	ANALYSIS	ALARM		
	GRINDER PUMP		COMPRESSOR (RECIPROCATING) (P-ACR)		INDUCTOR		GATE VALVE (VGT)		VENTURI OR FLOW TUBE	B	BURNER (FLAME)			
	PROGRESSIVE CAVITY PUMP (PPC)		COMPRESSOR (P-COMP)		CARTRIDGE FILTER/SEPARATOR		GLOBE VALVE (VGL)		AVERAGING PITOT TUBE	C	CONDUCTIVITY		CONTROL	CLOSED
	POSITIVE DISPLACEMENT PUMP (PISTON) (PPN)		LIQUID RING BLOWER OR COMPRESSOR		CAP OR PLUG		PLUG VALVE (VPL)		PROPELLER OR TURBINE METER	D	DENSITY	DIFFERENTIAL		
	METERING PUMP		SILENCER		PORT CONNECTION		BALL VALVE (VBL)		POSITIVE DISPLACEMENT FLOW METER	E	POTENTIAL (ELEC)		PRIMARY ELEMENT	
	CHEMICAL PUMP		MIXER (MIX)		BLIND FLANGE		BUTTERFLY VALVE (VBF)		MAGNETIC FLOW ELEMENT	F	FLOW RATE	RATIO		
	SUBMERSIBLE SUMP PUMP (PSU)		HEAT EXCHANGER		STRAINER		CHECK VALVE (VCK)		FLUME	G	FIRE, SMOKE		GLASS	
	SUMP PUMP (SUBMERSIBLE) (MOTOR ABOVE) (PSU)		HEATING COIL		REDUCER OR INCREASER		BALL CHECK VALVE		WEIR	H	HAND			HIGH
	VERTICAL PUMP		COOLING COIL		BACK FLOW PREVENTER		PINCH VALVE (VPN)		FLOW METER (HYDRONIC)	I	CURRENT (ELEC)		INDICATE	
	GEAR PUMP (PGR)		INTAKE FILTER		CALIBRATION TUBE		DIAPHRAGM VALVE (VDI)		VARIABLE AREA FLOW METER (ROTAMETER)	J	POWER	SCAN		
	ROTARY LOBE PUMP (PLB)		TANK (TNK)		STEAM TRAP WITH BY-PASS		NEEDLE VALVE (VND)		RUPTURE DISC	K	TIME	TIME RATE CHANGE		CONTROL STATION
	FAN		VARIABLE SPEED DRIVE - DC (VSD)		PULSATION DAMPENER		VACUUM RELIEF VALVE		DIAPHRAGM CHEMICAL SEAL	L	LEVEL		PILOT LIGHT	LOW
	BLOWER/FAN (CENTRIFUGAL) (PBL)		VARIABLE FREQUENCY DRIVE - AC		PIPE FLANGE CONNECTION TO TANK		FLOAT VALVE		ANNULAR CHEMICAL SEAL	M	MOISTURE	MOMENTARY		MIDDLE
	ROTARY LOBE BLOWER		GENERATOR		FLEXIBLE COUPLING		PRESSURE REDUCING VALVE		TEMPERATURE WELL	N	EQUIPMENT STATUS			
			SIGHT GLASS		EXPANSION JOINT		BACK PRESSURE SUSTAINING VALVE		DISPLACER FLOAT SWITCH	O	OXYGEN		ORIFICE	OPEN
			MOTOR (MOT)		HEAT TRACING		VALVE WITH HAND OPERATOR		GUIDED FLOAT SWITCH	P	PRESSURE		TEST CONNECTION	
			SUBMERSED PUMP		SPRAY NOZZLE		SOLENOID OPERATED VALVE (VOS)		DISCRETE INSTRUMENTS	Q	QUANTITY	INTEGRATE		
					SIGHT GLASS		DIAPHRAGM OPERATED VALVE		SHARED DISPLAY, SHARED CONTROL	R	RADIATION		RECORD	
					EQUIPMENT DRAIN		PISTON OPERATED VALVE		COMPUTER FUNCTION	S	SPEED, FREQUENCY	SAFETY		SWITCH
							FLOW BALANCING VALVE (HYDRONIC)		PROGRAMMABLE LOGIC CONTROL	T	TEMPERATURE		UNCLASSIFIED	
							THREE-WAY VALVE		AAA - FUNCTION	U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION
									BBB - SYSTEM	V	VIBRATION		VALVE, DAMPER	
									CCC - LOOP NUMBER	W	WEIGHT, FORCE		WELL	
									DDD - DESCRIPTION	X	UNCLASSIFIED		UNCLASSIFIED	TRANSMIT
										Y	EVENT, STATUS		RELAY, COMPUTE	
										Z	POSITION		MISC ACTUATOR	

ABBREVIATIONS		PROCESS & SIGNAL LINE SYMBOLS	
		LINE	DESCRIPTION
VSD	VARIABLE SPEED DRIVE		MAIN PROCESS FLOW (WITH TYPICAL DIRECTION OF FLOW SHOWN)
VFD	VARIABLE FREQUENCY DRIVE		SECONDARY PROCESS FLOW
HOA	HAND/OFF/AUTO		INSTRUMENT SUPPLY, PROCESS TAPS, TERTIERY PROCESS FLOW
HOL	HAND/OFF/LOW (SPEED)		ELECTRIC SIGNAL (ANALOG)
OAC	OPEN/AUTO/CLOSE		ELECTRIC SIGNAL (DISCRETE)
N.O.	NORMALLY OPEN		PNEUMATIC SIGNAL
N.C.	NORMALLY CLOSED		ELECTROMAGNETIC OR SONIC SIGNAL
OOC	OPEN/OFF/CLOSED		SOFTWARE OR DATA LINK
MA	MANUAL/AUTO		MECHANICAL LINK
			HYDRAULIC
			ELECTRIC POWER SUPPLY 120VAC, 60HZ - OR AS NOTED
			AIR SUPPLY LINE (INSTRUMENT) UNGUIDED AIR FLOW
			CONTINUED ON DRAWING XX.XX RELEVANT DATA X

EXISTING INSTRUMENT AND FUNCTION	PRIMARY LOCATION *** NORMALLY ACCESSIBLE TO OPERATOR	FIELD MOUNTED	AUXILIARY LOCATION *** NORMALLY ACCESSIBLE TO OPERATOR	NORMALLY INACCESSIBLE OR BEHIND THE PANEL
AAA - FUNCTION BBB - SYSTEM CCC - LOOP NUMBER DDD - DESCRIPTION		PILOT LIGHT		INTERLOCK LOGIC OR SEQUENTIAL CONTROL

FILE NAME: (UPDATED BY) PLOT DATE & TIME: OCT 09 2015 13:03:57
 S:\VAD\TRANE\15-10400\MONROE_WWTP_P&I\GA\DWG\P15-10400_I-DWG (SD)
 XREFS: Chason, Chason, X15-10400_Prelim, X15-10400_TB

No.	MCC Agenda 02/18/2016	Date	By	App'd
-----	-----------------------	------	----	-------



BHC Consultants, LLC
 1601 Fifth Avenue, Suite 500
 Seattle, Washington 98101
 206.505.3400
 206.505.3406 (fax)
 www.bhcconsultants.com

Designed: T. Giese, P.E.
 Drawn: P. Simon
 Checked: C. Shen, P.E.
 Approved: C. Chambers, P.E.

Scale: NTS
 One Inch at Full Scale
 If Not One Inch Scale Accordingly



MONROE WWTP IMPROVEMENTS PHASE 2
PROCESS AND INSTRUMENTATION
SYMBOLS AND ABBREVIATIONS

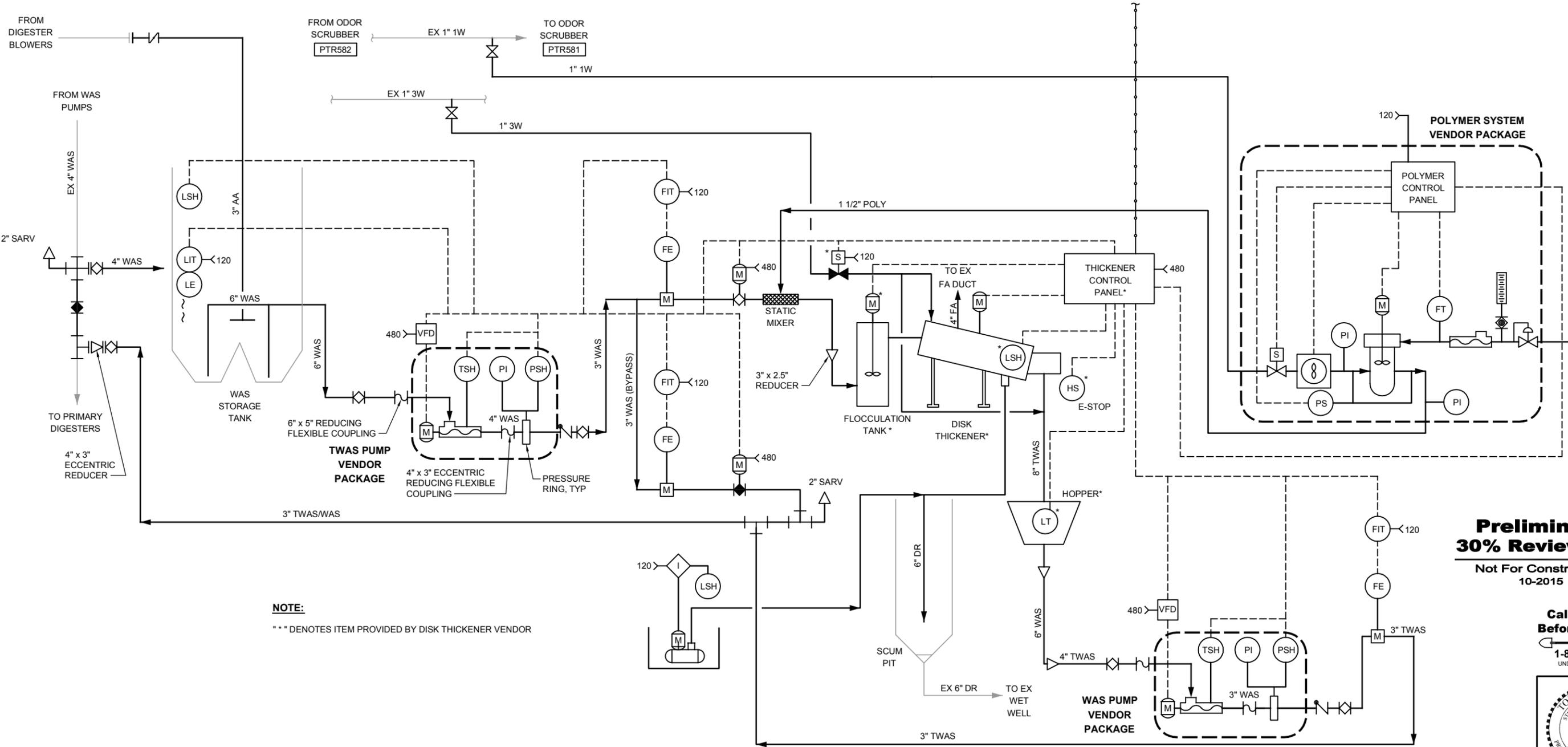
Drawing: **I-1**
 Sheet: **28** of **31**
 File: P15-10400_I-1



Preliminary
30% Review Set
 Not For Construction
 10-2015

Call 48 Hours Before You Dig
1-800-424-5555
 UNDERGROUND SERVICE

FILE NAME (UPDATED BY) PLOT DATE & TIME
 S:\VAD\TRANE\15-10400 MONROE WWTP PH2 (CA) (MCS)\P15-10400_L-2.DWG (MTC) OCT 08 2015 11:03:20
 XREFS: Chason, Chason, X15-10400_Prelim, X15-10400_TB



NOTE:
 *** DENOTES ITEM PROVIDED BY DISK THICKENER VENDOR

**Preliminary
 30% Review Set**
 Not For Construction
 10-2015

**Call 48 Hours
 Before You Dig**
 1-800-424-5555
 UNDERGROUND SERVICE



No.	MCC Agenda 02/18/2016	Date	By	App'd

BHC CONSULTANTS
 BHC Consultants, LLC
 1601 Fifth Avenue, Suite 500
 Seattle, Washington 98101
 206.505.3400
 206.505.3406 (fax)
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Designed: T. Giese, P.E.
 Drawn: P. Simon
 Checked: C. Shen, P.E.
 Approved: C. Chambers, P.E.

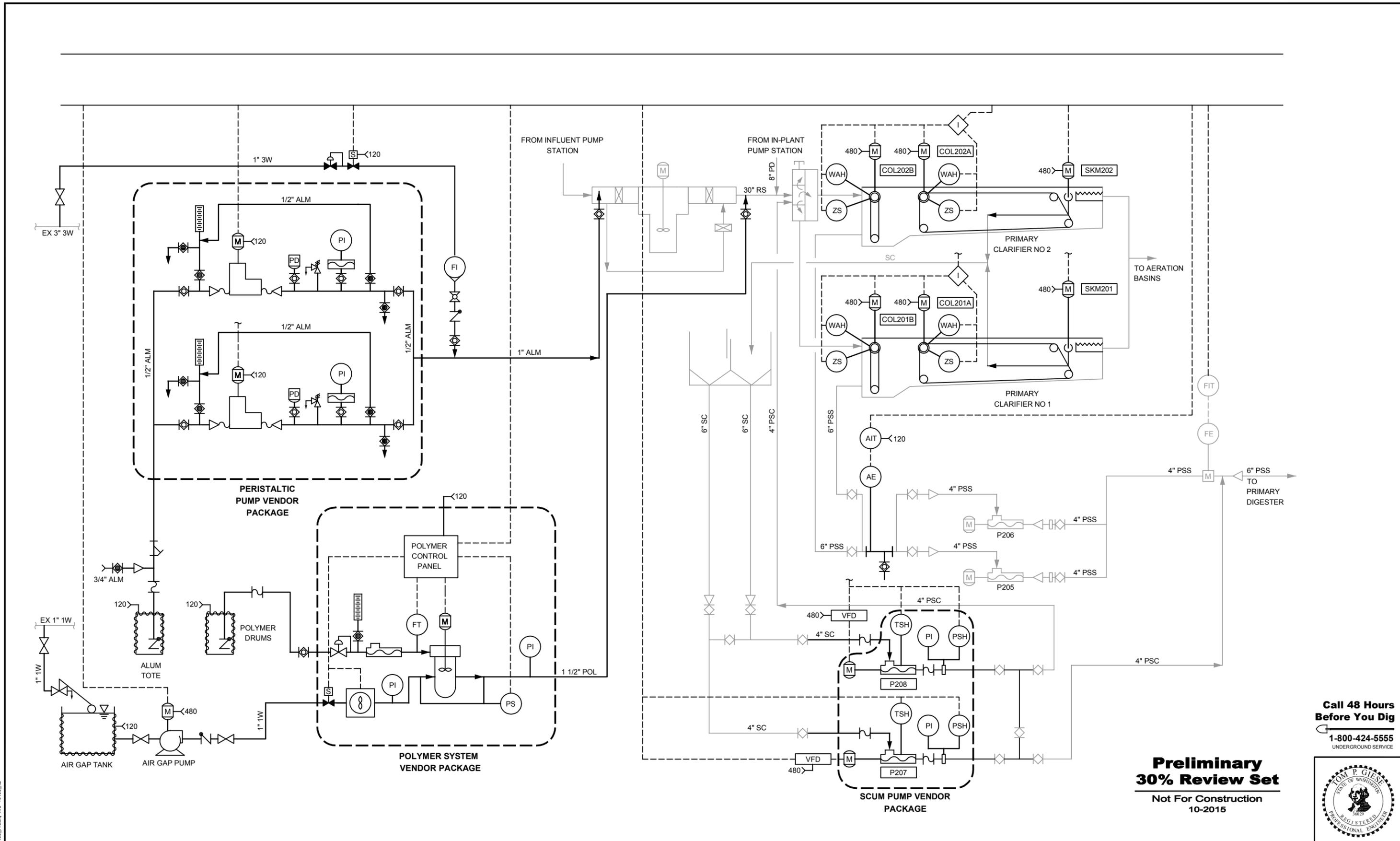
Scale: NTS
 One Inch at Full Scale
 If Not One Inch Scale Accordingly

TRANE
 2333 158th Court NE
 Bellevue, WA 98008
 Phone: 425-643-4310
 Fax: 425-643-4314

**MONROE WWTP IMPROVEMENTS PHASE 2
 SLUDGE THICKENING
 PROCESS AND INSTRUMENTATION
 DIAGRAM**

Drawing: **I-2**
 Sheet: **29** of **31**
 File: P15-10400_J-2
 Date: October 2015

FILE NAME (UPDATED BY) PLOT DATE & TIME
 S:\VAD\TRANE\15-10400 MONROE WWTP PH2 (CA\DWG)\P15-10400_I-3.DWG (SD) OCT 09 2015 13:07:07
 XREFS: Chason, Chen, X15-10400_Prelim, X15-10400_IB



Call 48 Hours Before You Dig
 1-800-424-5555
 UNDERGROUND SERVICE

Preliminary 30% Review Set
 Not For Construction
 10-2015



No.	Date	By	App'd

BHC CONSULTANTS
 BHC Consultants, LLC
 1601 Fifth Avenue, Suite 500
 Seattle, Washington 98101
 206.505.3400
 206.505.3406 (fax)
 www.bhcconsultants.com

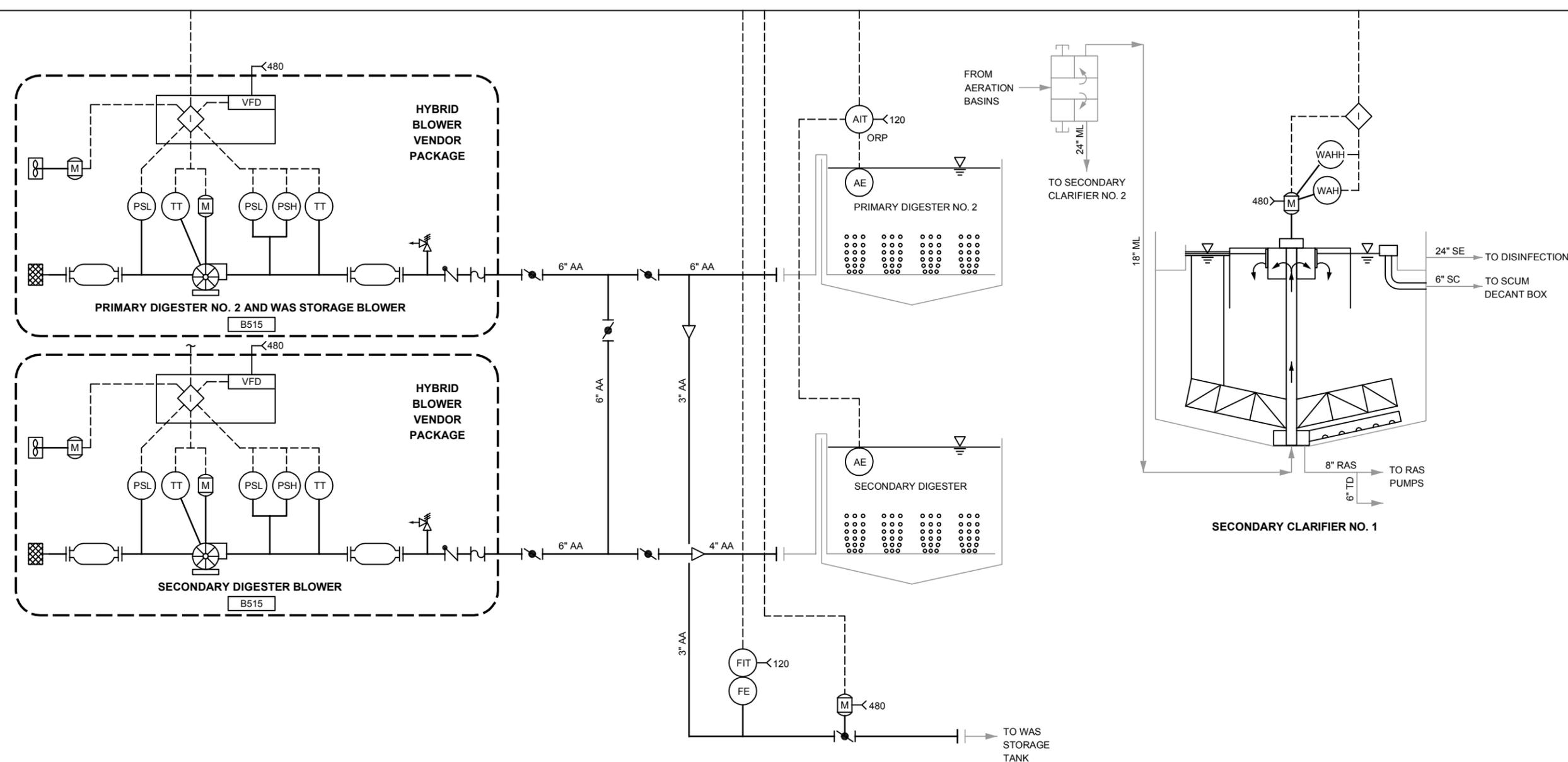
Designed: T. Giese, P.E.
 Drawn: M. Caldwell
 Checked: C. Shen, P.E.
 Approved: C. Chambers, P.E.
 Scale: NTS
 One Inch at Full Scale
 If Not One Inch Scale Accordingly

TRANE
 2333 158th Court NE
 Bellevue, WA 98008
 Phone: 425-643-4310
 Fax: 425-643-4314

MONROE WWTP IMPROVEMENTS PHASE 2
PRIMARY CLARIFIERS AND CEPT
PROCESS AND INSTRUMENTATION DIAGRAM

Drawing: **I-3**
 Sheet: **30** of **31**
 File: P15-10400_I-3

FILE NAME: (UPDATED BY) S:\VAD\TRANE\15-10400_MONROE_WWTP_P&E\GA\DWG\P15-10400_I-4_DWG (P.LS) XREFS: Desc: X15-10400_Prelim, X15-10400_IB
 PLOT DATE & TIME: SEP 22 2015 12:56:44



Call 48 Hours Before You Dig
 1-800-424-5555
 UNDERGROUND SERVICE

Preliminary 30% Review Set
 Not For Construction
 10-2015



BHC CONSULTANTS
BHC Consultants, LLC
 1601 Fifth Avenue, Suite 500
 Seattle, Washington 98101
 206.505.3400
 206.505.3406 (fax)
 www.bhcconsultants.com

Designed: T. Giese, P.E.
 Drawn: M. Caldwell
 Checked: C. Shen, P.E.
 Approved: C. Chambers, P.E.
 Scale: NTS
 One Inch at Full Scale
 If Not One Inch Scale Accordingly

TRANE
 2333 158th Court NE Phone: 425-643-4310
 Bellevue, WA 98008 Fax: 425-643-4314

MONROE WWTP IMPROVEMENTS PHASE 2
SECONDARY CLARIFIER NO. 1 AND
DIGESTER BLOWERS PROCESS AND
INSTRUMENTATION DIAGRAM

Drawing: **I-4**
 Sheet: **31** of **31**
 File: P15-10400_I-4
 Date: October 2015

INTERAGENCY Amendment*Department of Enterprise Services*

Date: January 15, 2016
 Agreement No: K1335
 Project No.: 2014-118
 Amendment No: 2

**Interagency Agreement Between the
 State of Washington
 Department of Enterprise Services
 and
 City of Monroe**

The parties to this Agreement, the Department of Enterprise Services, Facilities Division, Engineering & Architectural Services, hereinafter referred to as "DES", and the City of Monroe, hereinafter referred to as the "CLIENT AGENCY", hereby amend the Agreement as follows:

4.1 Statement of Work

DES shall furnish the necessary personnel and services and otherwise do all things necessary for or incidental to the performance of the work set forth in Attachment "A-2" and Attachment "C-2", attached hereto and incorporated herein by reference. Unless otherwise specified, DES shall be responsible for performing all fiscal and program responsibilities as set forth in Attachment "A-2" and Attachment "C-2".

Energy/Utility Conservation projects shall be authorized by Amendment to this Agreement.

- 1.1 Wastewater Treatment System Upgrades outlined in the Trane U.S., Inc. Energy Services Proposal dated March 19, 2014.
- 1.2 **Wastewater Treatment Plant Upgrades Phase 2 outlined in the Trane U.S., Inc.'s Energy Services Proposal dated January 5, 2016.**

Attachment "A-1" Scope of Work Energy/Utility Conservation Projects Management Services is revised to Attachment "A-2" and Attachment "C-1" Scope of Work Energy/Utility Conservation Projects Monitoring Services is revised to Attachment "C-2" to update the Statewide Energy Performance Contracting Program Master Energy Services Agreement number from Agreement No. 2013-133 to Agreement No. 2015-181, attached hereto and incorporated herein by reference.

3. Period of Performance

Subject to its other provisions, the period of performance of this Agreement shall commence on September 23, 2013, and be completed on **December 31, 2020**, unless altered or amended as provided herein.

4. Consideration

Compensation under this Agreement shall be by Amendment to this Agreement for each authorized project. Each Amendment will include a payment schedule for the specific project.

For Project Management Services provided by DES under Attachment "A-2" of this Agreement, the CLIENT AGENCY will pay DES a Project Management Fee for services based on the total project value per Project Management Fees Schedule set forth in Attachment "B-1".

If the CLIENT AGENCY decides not to proceed with an Energy/Utility Conservation project that meets the CLIENT AGENCY's cost effective criteria, then the CLIENT AGENCY will be charged a Termination Fee per Attachment "B-1". The Termination Fee will be based on the estimated Total Project Value outlined in the Energy Audit and Energy Services Proposal prepared by the Energy Services Company Trane U.S., Inc.

If measurement and verification services are requested by the CLIENT AGENCY and provided by DES under Attachment "C-2" of this Agreement, the CLIENT AGENCY will pay DES \$2,000.00 annually for each year of monitoring and verification services requested.

Compensation for services provided by the ESCO shall be paid directly to the ESCO by the CLIENT AGENCY, after DES has reviewed, approved and sent the invoices to the CLIENT AGENCY for payment.

4.1 Energy Project Management Fee for the work described in Section 1.1 is \$60,000.00.

4.2 **Energy Project Management Fee for the work described in Section 1.2 is \$65,000.00. Anticipated billing date for this Amendment is May 1, 2017.**

The new total Agreement value is \$125,000.00.

All sections above have been fully amended and are shown in their entirety.

All other terms and conditions of this Agreement remain in full force and effect. The requirements of RCW 39.34.030 are satisfied by the underlying Agreement and are incorporated by reference herein.

Each party signatory hereto, having first had the opportunity to read this Amendment and discuss the same with independent legal counsel, in execution of this document hereby mutually agree to all terms and conditions contained herein, and as incorporated by reference in the original Agreement.

City of Monroe

**Department of Enterprise Services
Engineering & Architectural Services**

William J. Frare, P.E.

Assistant Director

Title

Date

Title

Date

ATTACHMENT A-2

Scope of Work Energy/Utility Conservation Projects Management Services

Statewide Energy Performance Contracting Program Master Energy Services Agreement No. **2015-181**

DES will provide the following project management services for each specific project for the CLIENT AGENCY. Each individual project shall be authorized by Amendment to this Agreement.

1. Assist the CLIENT AGENCY in the selection of an Energy Service Company (ESCO) consistent with the requirements of RCW 39.35A for local governments; or 39.35C for state agencies and school districts.
2. Assist in identifying potential energy/utility conservation measures and estimated cost savings.
3. Negotiate scope of work and fee for ESCO audit of the facility(s).
4. Assist in identifying appropriate project funding sources and assist with obtaining project funding.
5. Assist in negotiating the technical, financial and legal issues associated with the ESCO's Energy Services Proposal.
6. Review and recommend approval of ESCO energy/utility audits and Energy Services Proposals.
7. Provide assistance during the design, construction and commissioning processes.
8. Review and approve the ESCO invoice vouchers for payment.
9. Assist with final project acceptance.
10. Provide other services as required to complete a successful energy performance contract.

ATTACHMENT B-1

Fee Schedule

2015-17 Interagency Reimbursement Costs
for Project Management Fees to Administer
Energy/Utility Conservation Projects

<u>TOTAL PROJECT VALUE</u>	<u>PROJECT MANAGEMENT FEE</u>	<u>TERMINATION</u>
5,000,001.....6,000,000.....	\$66,000.....	25,700
4,000,001.....5,000,000.....	65,000.....	25,400
3,000,001.....4,000,000.....	64,000.....	25,000
2,000,001.....3,000,000.....	60,000.....	23,400
1,500,001.....2,000,000.....	56,000.....	21,800
1,000,001.....1,500,000.....	49,500.....	19,300
900,001.....1,000,000.....	42,000.....	16,400
800,001.....900,000.....	39,600.....	15,400
700,001.....800,000.....	36,800.....	14,400
600,001.....700,000.....	35,000.....	13,700
500,001.....600,000.....	32,400.....	12,600
400,001.....500,000.....	29,000.....	11,300
300,001.....400,000.....	24,800.....	9,700
200,001.....300,000.....	19,800.....	7,700
100,001.....200,000.....	13,800.....	5,400
50,001.....100,000.....	7,500.....	3,500
20,001.....50,000.....	4,000.....	2,000
0.....20,000.....	2,000.....	1,000

The project management fee on projects over \$6,000,000 is 1.1% of the project cost. The maximum DES termination fee is \$25,700.

1. These fees cover project management services for energy/utility conservation projects managed by DES's Energy Program.
2. Termination fees cover the selection and project management costs associated with managing the ESCO's investment grade audit and proposal that identifies cost effective conservation measures if the CLIENT AGENCY decides not to proceed with the project through DES.
3. If the project meets the CLIENT AGENCY's cost effectiveness criteria and the CLIENT AGENCY decides not to move forward with a project, then the CLIENT AGENCY will be invoiced per Attachment B Termination or \$25,700.00 whichever is less. If the CLIENT AGENCY decides to proceed with the project then the Agreement will be amended per Attachment B for Project Management Fee.
4. If the audit fails to produce a project that meets the CLIENT AGENCY's established Cost Effectiveness Criteria, then there is no cost to the CLIENT AGENCY and no further obligation by the CLIENT AGENCY.

ATTACHMENT C-2

Scope of Work Energy/Utility Conservation Projects Monitoring Services

Statewide Energy Performance Contracting Program Master Energy Services Agreement No. 2015-181

If requested DES will provide the following monitoring services for each specific project for the CLIENT AGENCY.

1. Monitor actual energy use and dollar costs, compare with the ESCO's annual Measurement and Verification (M&V) report and any ESCO guarantee, resolve differences, if needed, and approve any vouchers for payment.
2. Monitor facility operations including any changes in operating hours, changes in square footage, additional energy consuming equipment and negotiate changes in baseline energy use which may impact energy savings.
3. Provide annual letter report describing the ESCO's performance, equipment performance and operation, energy savings and additional opportunities, if any, to reduce energy costs.



STATE OF WASHINGTON
DEPARTMENT OF ENTERPRISE SERVICES

1500 Jefferson St. SE, Olympia, WA 98501
PO Box 41476, Olympia, WA 98504-1476

January 15, 2016

TO: John Lande, City of Monroe

FROM:  Terrie Glave, Contracts Specialist, (360) 407-9330

RE: Authorization No. 2014-118 B (2)
Amendment No. 1
Project Title Wastewater Treatment System Upgrades

Trane U.S., Inc.

SUBJECT: Funding Approval

The Department of Enterprise Services, E&AS, requires funding approval for the above referenced contract document(s). The amount required is as follows:

Design & Implementation of Energy Conservation Measures	\$849,964.00
First Year Measurement & Verification	\$ 4,714.00
Sales Tax - 8.9% (includes tax on audit and proposal)	\$ 90,950.44
TOTAL	\$945,628.44

In accordance with the provisions of RCW 43.88, the signature affixed below certifies to the Facilities Division, Engineering & Architectural Services that the above identified funds are appropriated, allotted or that funding will be obtained from other sources available to the using client/agency. The using/client agency bears the liability for any issues related to the funding for this project.

By _____ Date _____
Name / Title

Please sign and return this form to E&AS. If you have any questions, please call me.

2014118Bamd1fundtg

ENERGY SERVICES AUTHORIZATION AMENDMENT NO. 1

Project Title Waste Water Treatment Plant Upgrades Phase 2 Authorization No. 2014-118 B (2)
 Facility City of Monroe Date January 15, 2016

This Amendment, when properly signed, shall be the basis on which the Subject Authorization shall be modified.

Authorization (this sheet) Project Completion and Compensation
 Scope of Work Options: Modify Basic Services

Approvals

Energy Services Company:

Trane U.S., Inc.
 2333 158th Court NE
 Bellevue, WA 98008

Owner:

City of Monroe
 acting through the
 Department of Enterprise Services
 Engineering and Architectural Services

By: _____
 Name: _____
 Title: _____
 Date: _____

 William J. Frare, P.E.
 Assistant Director

Compensation for Energy Services

Basic Services	COMPENSATION		
	Current	New	Previous
Energy Audit and Energy Services Proposal	\$ 43,990.00	\$ 0.00	\$ 43,990.00
Design	\$ 295,499.00	\$ 172,252.00	\$ 123,247.00
Construction Management	\$ 169,428.00	\$ 169,428.00	\$ 0.00
Overhead and Profit	\$ 508,284.00	\$ 508,284.00	\$ 0.00
Measurement & Verification Year 1	\$ 4,714.00	\$ 4,714.00	\$ 0.00
Grand Total (Plus WSST as applicable)	\$ 1,021,915.00	\$ 854,678.00	\$ 167,237.00

Value of this Amendment = \$854,678.00 (Plus Washington State Sales Tax)

Scope of Work

Energy efficiency measures under Contract No. 2014-118 H (2-1) will include renovation of the City of Monroe's, upgrading sludge, thickening process, primary and secondary clarifiers, digestive blowers, mixed liquor aeration piping system belt filter press hood, commissioning, etc. including any and all necessary ancillary equipment.

The ESCO will perform a detailed engineering design as needed to obtain Owner review and approval of the proposed systems and to obtain bids as required. The ESCO will provide construction management, as-built drawings, and O&M manuals.

All work is per the City of Monroe's Energy Services Proposal dated January 5, 2016.

This Amendment modifies the terms and conditions provided in the original statewide Master Energy Services Agreement (MESA) No. 2013-133 L (12) to the new terms and conditions established in MESA No. 2015-181 D (11). The ESCO design and construction services will be in compliance with MESA 2015-181 D (11).

Schedule For Completion

Final completion, including 1st year M&V, 790 days from execution of this Amendment.

2014118Bamd1tg



STATE OF WASHINGTON
DEPARTMENT OF ENTERPRISE SERVICES

1500 Jefferson St. SE, Olympia, WA 98501
PO Box 41476, Olympia, WA 98504-1476

January 15, 2016

TO: John Lande, City of Monroe
FROM:  Terrie Glave, Contracts Specialist, (360) 407-9330
RE: Contract No. 2014-118 H (2-1)
Wastewater Treatment Plant Phase 2
Trane U.S., Inc.
SUBJECT: Funding Approval

The Department of Enterprise Services, Engineering & Architectural Services, requires funding approval for the above referenced contract document. The amount required is as follows:

ESCO Contract Amount	\$2,854,715.00
Sales Tax (8.9%)	\$ 254,069.64
Contingency Amount (with Tax)	<u>\$ 125,486.92</u>
Total	\$3,234,271.56

In accordance with the provisions of RCW 43.88, the signature affixed below certifies to Engineering & Architectural Services that the above identified funds are appropriated, allotted or that funding will be obtained from other sources available to the using client/agency. The using/client agency bears the liability for any issues related to the funding for this project.

By _____
Name / Title Date

Please sign and return this form to E&AS. If you have any questions, please call me.

2014118Hcontg



STATE OF WASHINGTON
DEPARTMENT OF ENTERPRISE SERVICES

1500 Jefferson St. SE, Olympia, WA 98501
PO Box 41476, Olympia, WA 98504-1476

January 15, 2016

RETAINAGE INVESTMENT

ESCO Contractor Trane U.S., Inc.
ESCO Contract No. 2014-118 H (2-1)
Description Wastewater Treatment Plant Phase 2
Client Agency City of Monroe

Pursuant to R.C.W. 60.28, you are required to exercise your option, IN WRITING, on whether or not monies reserved from the amounts due you on the above contract shall be placed in escrow. You are therefore directed to complete and return this form with the signed copy of the above contract to Engineering & Architectural Services.

Should you desire to have the retained monies invested, it will then be necessary that you enter into an escrow agreement with a bank, trust or savings and loan company, and the above Client Agency.

This form will be transmitted to the Client Agency for further action in preparing the escrow agreement.

ENERGY SERVICES CONTRACTOR'S OPTION

- _____ I do not request retainage on the above contract to be invested.
- _____ I hereby request retainage on the above contract be invested.
- _____ I hereby request retainage on the above contract be invested and converted into bonds and sureties.

Signature

Date

Title

ESCO Contract No. 2014-118 H (2-1)
Project Wastewater Treatment Plant Phase 2
Agency City of Monroe
Date January 15, 2016

STATE OF WASHINGTON

ENERGY SERVICE COMPANY (ESCO) CONSTRUCTION CONTRACT

For the DEPT. OF ENTERPRISE SERVICES, ENGINEERING & ARCHITECTURAL SERVICES

This Energy Service Company (ESCO) Construction Contract, made and entered into this 15th day of January, 2016, shall be the agreed basis of performing the following work by and between the State of Washington, City of Monroe acting through the Department of Enterprise Services, Engineering & Architectural Services, hereinafter referred to as the Owner, and

Trane U.S., Inc.
2333 158t Court NE
Bellevue, WA 98008
Telephone (425) 503-9958
E-mail (425) 643-4314

hereinafter referred to as the ESCO or Contractor.

WITNESSETH: Whereas the parties hereto have mutually covenanted and by these presents do covenant and agree with each other as follows:

FIRST: The said ESCO agrees to furnish all permits, material, labor, tools, equipment, apparatus, facilities, etc., necessary to perform and complete in a workmanship like manner the work called for in the attached Scope of Work, Energy Services Proposal dated January 5, 2016 for:

Energy Services Authorization No. 2014-118 B (2)
Master Energy Services Agreement No. 2015-181 K (11)

Audits and Proposals for this project were prepared by the ESCO according to the terms of the Contract Documents which include, but are not limited to, the Master Energy Services Agreement, Energy Services Authorization(s), the accepted Proposal, *General Conditions for Washington State Energy Savings Performance Contracting*, Addenda, Specifications, Drawings, Bond, and this Construction Contract.

SECOND: Time of Completion: The work to be performed under this contract shall commence as soon as the ESCO has been officially notified to proceed and shall be substantially complete within 365 consecutive calendar days after the date of Notice to Proceed.

THIRD: The apprenticeship labor hours required for this project are 15% of the total labor hours. The undersigned agrees to utilize this level of apprentice participation. Voluntary workforce

diversity goals for this apprentice participation are identified in the *General Conditions for Washington State Energy Savings Performance Contracting*.

FOURTH: In consideration of the Performance of the Work, herein contained on the part of the ESCO, the Owner hereby agrees to pay the ESCO for said work completed according to the Contract Documents, for not more than the sum of \$2,854,715.00, plus 8.9% state sales tax consisting of the following:

ESCO Contract Cost	\$2,854,715.00
--------------------	----------------

The ESCO shall bond this contract in accordance with Section 2.04 of the General Conditions for Washington State Energy Savings Performance Contracting. The construction value plus contingency is a guaranteed maximum not-to-exceed cost and final payment to the ESCO shall be reconciled to reflect the actual installed cost provided it does not exceed the guaranteed maximum cost.

FIFTH: ESCO payments to subcontractors and materialmen shall not be contingent upon the ESCO receiving payment from the Owner. Unless otherwise agreed upon, payment to the ESCO shall be made only after completion of the energy efficiency measure(s) and the ESCO has issued a Notice of Commencement of Energy Savings and the Owner has accepted such Notice.

IN WITNESS WHEREOF: The said Department of Enterprise Services, Engineering & Architectural Services, has caused this ESCO Construction Contract to be subscribed in its behalf, and the said ESCO has signed this ESCO Construction Contract the day and year first above written.

ESCO:
Trane U.S., Inc.

Owner:
City of Monroe
acting through the
Department of Enterprise Services
Engineering & Architectural Services

By _____
Name _____
Title _____
Date _____

By _____
Name William J. Frare, P.E.
Title Assistant Director
Date _____

WA State Contractor's License No. TRANE**94RE

Federal Tax ID No. 25-0900465

UBI Number 409 002 086

MWBE Certification No. _____

2014118Hcontg

January 15, 2016

SCOPE OF WORK

ESCO Contract No. 2014-118 H (2-1)

Wastewater Treatment Plant Upgrades Phase 2
City of Monroe

Furnish and install the energy efficiency measures, including any and all necessary ancillary equipment, as described in the City of Monroe's Energy Services Proposal dated January 5, 2016.



STATE OF WASHINGTON
DEPARTMENT OF ENTERPRISE SERVICES

1500 Jefferson St. SE, Olympia, WA 98501
PO Box 41476, Olympia, WA 98504-1476

January 15, 2016

TO: Insurance Agent for
Trane U.S., Inc.

FROM: Terrie Glave, Contracts Specialist, (360) 407-9330

RE: Contract No. 2014-118 H (2-1)
Wastewater Treatment Plant Phase 2
City of Monroe

The General Conditions for Washington State Energy Savings Performance Contracting require that Trane U.S., Inc. provide the state of Washington with a signed contract, bond and insurance within 15 days of receipt. It is therefore essential that you provide the contractor with the bonds and insurance as soon as possible. Please refer to the attached *Insurance and Bonding Requirements*.

Please note that the payment and performance bonds shall be written on the AIA Form A312 for the amount of the contract plus state sales tax, and that Builder's Risk or Installation Floater insurance coverage is required in the amount of the contract. Include the contract number and project name on all documents.

We would like a preview copy by e-mail of these documents before finalizing. My email address is: terrie.glave@des.wa.gov.

Should you have questions, please contact me.

Thank you for your assistance.

Attachments



MONROE CITY COUNCIL

Agenda Bill No. 16-021

SUBJECT:	Discussion: Strategic Financial Planning - Prioritization
-----------------	--

DATE:	DEPT:	CONTACT:	PRESENTER:	ITEM:
02/16/2016	Finance	Dianne Nelson	Mayor Thomas	Unfinished Business #1

Discussion: 01/26/2016; 02/09/2016; 02/16/2016

- Attachments:**
1. Matrix of Expenditure Options
 2. Property Tax – Use of 1%
 3. Property Tax – Use of Banked Capacity
 4. City Tax Revenue Sources
 5. Major Revenue Sources
 6. Banked Capacity of Snohomish County Cities

REQUESTED ACTION: Prioritize Expenditure Options.
--

DESCRIPTION/BACKGROUND

This is part of the ongoing Council strategic financial planning process to address the City's current and future needs. On February 9, 2016 Council reviewed Levels of Service, Operations and Maintenance (O&M) needs, and Capital Project needs. The next step is to prioritize the needs that have been presented and analyze the annual financial effect on the average household. Finally, Council can work towards implementing an action plan to accomplish the City's growing needs.

IMPACT – BUDGET

TBD

TIME CONSTRAINTS

Prior to June 2016, when staff begins work on the 2017 budget.

NON-UTILITY OPERATIONS & MAINTENANCE	ANNUAL ADDITION	Property tax Increase per year for \$250,000 assessed value	Sale Tax per 3 person household	REVENUE SOURCES
Current cost for a \$250,000 single family residence with 3 occupants		\$290.23	\$691.95	
Finance Level of Service Improvements <u>Accountant Position</u> : outside oversight on financial statements, as directed by the state auditors; direct tracking of: money collected from business licenses, individual impact fees (only totals are being tracked), MVET revenues dedicated to paths/trail, monitoring of budget line items for compliance. [Includes Level of Service Improvements to Finance Director duties: long-term goals, strategic budgeting, and monitoring tasks required by state auditor.]	\$115,000	\$16	\$19.58	Property Taxes
Administration Level of Service Improvements <u>Deputy City Clerk Position</u> : fully trained/certified back-up to the City Clerk; public disclosure request specialist; and Hearing Examiner administration (currently Planning). [Includes Level of Service Improvements to City Clerk duties: increase time spent on city-wide records management (archiving, microfilming, act); special projects (update public disclosure policy, public defense survey/management; assisting with code update; electronic document management system purchase/implementation; Council Chambers upgrades; etc.)]destruction past retention; and assist with file management planning); staff/elected/appointed official training (public disclosure, records management, open public meetings	\$100,000	\$14	\$17.03	Property Taxes
Community Development Level of Service Improvements <u>Code Enforcement Official Position</u> Timely respond to customer code enforcement complaints (which are not immediate life safety issues); on-going citywide code enforcement and education (e.g. signs); provide additional staff to assist with processing simpler land use permits (demand has increased).	\$100,000	\$14	\$17.03	Property Taxes
Community Development Level of Service Improvements <u>Permit Technician Position</u> Timely processing of building and land use permits, and public disclosure request fulfillment (demand has increased).	\$80,000	\$11	\$13.62	Property Taxes
Parks & Recreation Level of Service Improvements <u>Parks Supervisor Position</u> Address park operations maintenance delays in service (due to new facilities and increased use), lowered standards of maintenance, and hindered development and supervision of employees.	\$107,134	\$15	\$18.24	Property Taxes
Parks & Recreation Level of Service Improvements <u>Parks Maintenance Worker II Position</u> Timely repairs to broken equipment and facilities, acts of vandalism, and deterrence of transient encampments; increase attention to pesticide spraying program and playground maintenance program (especially with new Skate Park features); additional staffing needed due to new facilities and increased use.	\$93,139	\$13	\$15.86	Property Taxes
Parks & Recreation Level of Service Improvements <u>Parks Seasonal Worker Positions</u> Timely repairs to broken equipment and facilities, acts of vandalism, and deterrence of transient encampments; additional staffing needed due to new facilities and increased use.	\$25,000	\$4	\$4.26	Property Taxes
Parks & Recreation Maintenance & Operations Improvements Approximately \$37,000 needed for annual supplies, repairs, replacements for the parks system (turf care, athletic fields, playgrounds, trees, trail repairs, irrigation repairs, hazard/safety supplies, etc.) to bring the level of service up to pre-recession level and also to account for new added maintenance responsibilities.	\$37,000	\$5	\$6.30	Property Taxes
Transportation Infrastructure Maintenance & Operations Improvements 118 lane miles at \$1.50 per foot per year or \$941,000/year for operations and maintenance (does not include preservation and rehabilitation activities). Currently funded at \$606,000.	\$335,000	\$48	\$57.04	Property Taxes
Police Level of Service Improvements <u>Police Officer Positions</u> increase minimum staffing from three to four officers responding to calls for service at any given time; decrease use of outside agency assistance; and decrease response times.	\$165,000	\$24	\$28.09	Property Taxes

NON-UTILITY CAPITAL	ANNUAL ADDITION	Property Tax	Sales Tax	REVENUE SOURCES
2015-2035 Comprehensive Plan - Road Improvements \$35.5 million in road improvements needed to maintain the adopted level of service. \$19.4 million is anticipated to be collected through City of Monroe Transportation Impact Fees. The remaining \$16.1 million, or \$644,000/year, has to come from other sources such as the General Fund, grants, and Snohomish County Reciprocal Mitigation Fees.	\$644,000	\$92	\$109.65	Property Taxes, Grants, Snohomish County Reciprocal Mitigation Fees
ADA Sidewalks Improvements Approximately \$3.75 million in ADA ramp improvements needed spread over 10 years.	\$375,000	\$54	\$63.85	Property Taxes, REET, Grants
Sidewalks Improvements Approximately \$3 million in sidewalk repairs needed spread over 10 years.	\$300,000	\$43	\$51.08	Property Taxes, REET, Grants
Rehabilitation Backlog Approximately \$10+ million in road rehabilitation needs, today. We are collecting \$7.6 million over 10 years. Over next 10 years approximately \$20+ million in road rehabilitation needs.				TBD Sales Tax, REET, Grants
Long Term Road Preservation and Rehabilitation	\$1,059,000	\$151	\$180.31	Property Taxes
Downtown Parking Improvements Spaces Estimated Cost Cost/space 8 \$306,622 \$38,327 43 \$992,493 \$23,081 14 \$696,872 \$49,776 14 \$589,497 \$42,106 8 \$316,872 \$39,609 Pay over 10 years	\$38,328 \$124,062 \$87,109 \$73,687 \$39,609	\$5 \$18 \$12 \$11 \$6	\$6.53 \$21.12 \$14.83 \$12.55 \$6.74	Bonds, REET
Municipal Campus Project Purchase adjacent building and remodel \$3,750,000 Demo and rebuild City only \$11,375,000 Demo and rebuild Joint facility \$30,125,000 New facility N Kelsey City only \$16,275,000 Pay over 20 years	\$285,000 \$864,500 \$2,289,500 \$1,236,900	\$41 \$124 \$327 \$177	\$48.52 \$147.19 \$389.81 \$210.60	Bonds, REET
Fryelands Blvd Illumination \$1,200,000 over 10 years	\$150,000	\$21	\$25.54	REET, Grants
Fryelands Blvd Sidewalks \$375,000 over 5 years	\$84,750	\$12	\$14.43	REET, Grants
6-Year Park Plan CIP – Parks Improvements \$3.7 million in parks improvements needed to maintain adopted level of service (acquisition, master planning, renovations, and trails). \$2.5 million is anticipated to be collected through City of Monroe Parks Impact Fees and REET 1. The remaining \$1.2 million, or \$200,000/year, has to come from other sources such as the General Fund, grants or bond.	\$200,000	\$29	\$34.05	Bonds, Grants

Property Tax Calculation

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Previous Year's Levy	2,013,295	2,031,543	2,048,712	2,065,064	2,080,637
without 1% option	-	-	-	-	-
New Construction AV	14,789,500	14,789,500	14,789,500	14,789,500	14,789,500
Prior Year Levy Rate	<u>1.23382</u>	<u>1.16093</u>	<u>1.10565</u>	<u>1.05300</u>	<u>1.00285</u>
New Construction Levy	18,248	17,170	16,352	15,573	14,832
Total Levy Amount	2,031,543	2,048,712	2,065,064	2,080,637	2,095,469
Total AV	1,749,929,441	1,852,954,888	1,961,131,607	2,074,717,163	2,193,981,996
Tax Rate	1.16093	1.10565	1.05300	1.00285	0.95510
Maximum Statutory Rate	1.60000	1.60000	1.60000	1.60000	1.60000

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Previous Year's Levy	2,013,295	2,051,676	2,089,532	2,127,105	2,164,417
plus 1% option if approved	20,133	20,517	20,895	21,271	21,644
New Construction AV	14,789,500	14,789,500	14,789,500	14,789,500	14,789,500
Prior Year Levy Rate	<u>1.23382</u>	<u>1.17243</u>	<u>1.12768</u>	<u>1.08463</u>	<u>1.04323</u>
New Construction Levy	18,248	17,340	16,678	16,041	15,429
Total Levy Amount	2,051,676	2,089,532	2,127,105	2,164,417	2,201,490
Total AV	1,749,929,441	1,852,954,888	1,961,131,607	2,074,717,163	2,193,981,996
Tax Rate	1.17243	1.12768	1.08463	1.04323	1.00342
Maximum Statutory Rate	1.60000	1.60000	1.60000	1.60000	1.60000

Difference between 2 options	20,133	40,820	62,041	83,780	106,021
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Effects on a single home:					
Assessed Value (AV)	225,100	236,355	248,173	260,581	273,610
annual tax without 1%	261.32	261.32	261.32	261.32	261.32
annual tax with 1%	263.91	266.53	269.18	271.85	274.55
difference	2.59	5.21	7.85	10.52	13.22

Assumptions:

New Construction AV estimate from assessor was 14,620,700 for 2014. Was \$2,804,500 for 2013.

Total AV increases 5% each year for market inflation.

2015 average residence value in Monroe = \$225,100 per the county assessor's office

Property Tax Calculation: Comparison of One-Time Usage of Some of the Banked Capacity

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Previous Year's Levy	2,013,295	2,031,543	2,048,712	2,065,064	2,080,637
do not add 1% increase	-	-	-	-	-
New Construction AV	14,789,500	14,789,500	14,789,500	14,789,500	14,789,500
Prior Year Levy Rate	<u>1.23382</u>	<u>1.16093</u>	<u>1.10565</u>	<u>1.05300</u>	<u>1.00285</u>
New Construction Levy	18,248	17,170	16,352	15,573	14,832
Total Levy Amount	2,031,543	2,048,712	2,065,064	2,080,637	2,095,469
Total AV	1,749,929,441	1,852,954,888	1,961,131,607	2,074,717,163	2,193,981,996
Tax Rate	1.16093	1.10565	1.05300	1.00285	0.95510
Maximum Statutory Rate	1.60000	1.60000	1.60000	1.60000	1.60000

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2019</u>
Previous Year's Levy	2,013,295	2,131,543	2,149,557	2,166,714	2,183,054
Use of banked capacity	100,000	-	-	-	-
New Construction AV	14,789,500	14,789,500	14,789,500	14,789,500	14,789,500
Prior Year Levy Rate	<u>1.23382</u>	<u>1.21807</u>	<u>1.16007</u>	<u>1.10483</u>	<u>1.05222</u>
New Construction Levy	18,248	18,015	17,157	16,340	15,562
Total Levy Amount	2,131,543	2,149,557	2,166,714	2,183,054	2,198,616
Total AV	1,749,929,441	1,852,954,888	1,961,131,607	2,074,717,163	2,193,981,996
Tax Rate	1.21807	1.16007	1.10483	1.05222	1.00211
Maximum Statutory Rate	1.60000	1.60000	1.60000	1.60000	1.60000

Difference between 2 options	100,000	100,845	101,650	102,417	103,147
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Annual Effects on a single home:					
Assessed Value (AV)	225,100	236,355	248,173	260,581	273,610
Status Quo	261.32	261.32	261.32	261.32	261.32
Use of Banked Capacity	274.19	274.19	274.19	274.19	274.19
Annual Difference	12.86	12.86	12.86	12.86	12.86

Assumptions:

New Construction AV estimate from assessor was 14,620,700 for 2014. Was \$2,804,500 for 2013.

Total AV increases 5% each year for market inflation.

2015 average residence value in Monroe = \$225,100 per the county assessor's office

2013 Tax Revenue Comparison Per Capita																		
	Monroe	Arlington	Edmonds	Everett	Lake Stevens	Lynnwood	Marysville	Mill Creek	Terrace	Bothell	Covington	Duvall	Kenmore	Kirkland	Park	Redmond	Woodinville	Bonney Lake
Population	17,660	18,360	39,950	104,900	29,170	36,030	62,600	18,780	20,530	41,630	18,480	7,325	21,370	82,590	12,750	57,700	11,240	18,520
County	Snohomish	Snohomish	Snohomish	Snohomish	Snohomish	Snohomish	Snohomish	Snohomish	Snohomish	King	King	King	King	King	King	King	King	Pierce
Property Tax (311)	\$ 1,984,538	\$ 2,464,431	\$ 13,564,946	\$ 18,555,535	\$ 2,627,328	\$ 8,897,973	\$ 15,253,573	\$ 6,464,783	\$ 4,061,377	\$ 9,798,806	\$ 2,278,336	\$ 908,193	\$ 4,286,383	\$ 16,429,671	\$ 2,888,723	\$ 22,764,886	\$ 2,944,279	\$ 2,635,753
Sales Tax (313)	\$ 3,695,207	\$ 3,548,159	\$ 6,018,989	\$ 23,744,021	\$ 2,556,907	\$ 17,680,052	\$ 9,693,793	\$ 2,494,719	\$ 2,013,857	\$ 10,191,639	\$ 3,212,881	\$ 812,424	\$ 2,151,640	\$ 21,934,039	\$ 1,003,126	\$ 21,566,307	\$ 4,775,496	\$ 3,580,705
Business Taxes (316 includes)	\$ 1,999,454	\$ 2,815,100	\$ 6,485,822	\$ 30,659,994	\$ 1,558,108	\$ 6,506,743	\$ 5,723,720	\$ 1,115	\$ 4,056,709	\$ 6,456,178	\$ 2,060,534	\$ 925,968	\$ 1,403,077	\$ 18,303,236	\$ 1,144,458	\$ 13,975,346	\$ 41,292	\$ 2,787,061
Excise Taxes (317)	\$ 6,485	\$ 124,497	\$ 227,635	\$ 386,034	\$ 6,256	\$ 5,135	\$ 10,873	\$ -	\$ 1,302	\$ 35,111	\$ -	\$ 5,743	\$ 4,557	\$ 74,086	\$ -	\$ 12,680	\$ 3,336	\$ 551
Other Taxes (318)	\$ 105,901	\$ -	\$ -	\$ 350,868	\$ -	\$ 617,218	\$ 231,763	\$ -	\$ 123,046	\$ -	\$ -	\$ -	\$ -	\$ 126,152	\$ 12,133	\$ 504,254	\$ -	\$ 325,727
Total Taxes	\$ 7,791,585	\$ 8,952,187	\$ 26,297,392	\$ 73,696,452	\$ 6,748,599	\$ 33,707,121	\$ 30,913,722	\$ 8,960,617	\$ 10,256,291	\$ 26,481,734	\$ 7,551,751	\$ 2,652,328	\$ 7,845,657	\$ 56,867,184	\$ 5,048,440	\$ 58,823,473	\$ 7,764,403	\$ 9,329,797
Business Tax/Fees	\$50 flat fee	\$60 flat fee		B&O Tax & \$10 flat fee			\$50 flat fee	\$25 per employee	\$40 per employee	Based on type of bus & # of Employees	\$60 flat fee	\$55 flat fee		\$50 per employee	B&O Tax & \$30 flat fee	\$92 per employee		
Tax Revenue per Capita																		
Property Tax per Capita	\$ 112	\$ 134	\$ 340	\$ 177	\$ 90	\$ 247	\$ 244	\$ 344	\$ 198	\$ 235	\$ 123	\$ 124	\$ 201	\$ 199	\$ 227	\$ 395	\$ 262	\$ 142
Sales Tax per Capita	\$ 209	\$ 193	\$ 151	\$ 226	\$ 88	\$ 491	\$ 155	\$ 133	\$ 98	\$ 245	\$ 174	\$ 111	\$ 101	\$ 266	\$ 79	\$ 374	\$ 425	\$ 193
Business Tax per Capita	\$ 113	\$ 153	\$ 162	\$ 292	\$ 53	\$ 181	\$ 91	\$ 0	\$ 198	\$ 155	\$ 112	\$ 126	\$ 66	\$ 222	\$ 90	\$ 242	\$ 4	\$ 150
Excise Tax per Capita	\$ 0	\$ 7	\$ 6	\$ 4	\$ 0	\$ 0	\$ 0	\$ -	\$ 0	\$ 1	\$ -	\$ 1	\$ 0	\$ 1	\$ -	\$ 0	\$ 0	\$ 0
Other Tax per Capita	\$ 6	\$ -	\$ -	\$ 3	\$ -	\$ 17	\$ 4	\$ -	\$ 6	\$ -	\$ -	\$ -	\$ -	\$ 2	\$ 1	\$ 9	\$ -	\$ 18
Total Tax Rev. per Capita	\$ 441	\$ 488	\$ 658	\$ 703	\$ 231	\$ 936	\$ 494	\$ 477	\$ 500	\$ 636	\$ 409	\$ 362	\$ 367	\$ 689	\$ 396	\$ 1,019	\$ 691	\$ 504

							What is the minimum fee (\$) your city imposes for regular business licenses?	Which of the following license fee models is your business license fee based on?	Rate	Is your business license fee annual or one-time?
Clark	18,680	Battle Ground		X			\$40.00	Flat fee	\$40.00	Annual
County	2014 Population	Municipality	Local Business & Occupation	Business license fee	Registration requirement	Neither				
King	41,630	Bothell		X	X		\$0.00	Other	Based on (1) type, (2) no. of	Annual
King	18,480	Covington		X			\$60.00	Flat fee		Annual
King	7,325	Duvall		X			\$55.00	Flat fee	\$55.00	Annual
King	21,370	Kenmore			X		\$0.00			
King	82,590	Kirkland		X	X		\$50.00	Per employee	\$100.00	Annual
King	12,750	Lake Forest Park	X	X	X		\$30.00	Other	Location in or out of the City,	Annual
King	57,700	Redmond		X	X		\$92.00	Per employee	\$92.00	Annual
King	11,240	Woodinville			X		\$0.00			
Pierce	18,520	Bonney Lake		X			\$0.00			One-time
Snohomish	18,360	Arlington		X	X		\$60.00	Flat fee	\$60.00	Annual
Snohomish	39,950	Edmonds								
Snohomish	104,900	Everett	X	X	X		\$10.00	Flat fee	\$10.00	One-time
Snohomish	29,170	Lake Stevens								
Snohomish	36,030	Lynnwood								
Snohomish	62,600	Marysville		X			\$50.00	Flat fee	\$50.00	Annual
Snohomish	18,780	Mill Creek		X			\$25.00	Number of employees		Annual
Snohomish	17,660	Monroe		X	X		\$50.00	Flat fee		Annual
Snohomish	20,530	Mountlake Terrace		X			\$40.00	Per employee		

Major Revenue Sources

<u>Revenue</u>	<u>Annual Amount (Approx.)</u>	<u>Restrictions & Uses</u>
Property Taxes – Regular Levy	\$2,031,543	Can be used for any government related activity; considered most stable & reliable revenue stream
Property Taxes – Banked Capacity	\$1,142,246	One-time money that can be used incrementally for any government related activity; no vote required from the public
Property Taxes – Voted Excess Levy	Unlimited	Must be used for purposes stated in ballot that voters approve
Sales Taxes – General	\$4,349,396	Can be used for any government related activity; extremely volatile revenue stream dependent on economic factors both local and national
Utility Taxes	\$2,025,618	Can be used for any government related activity
PUD Privilege Tax	\$92,000	Can be used for any government related activity
Sales Tax Mitigation from State	\$133,000	Can be used for any government related activity
Admissions Tax	\$135,000	Can be used for any government related activity
General Obligation (GO) Bonds – voted	< \$36,653,783	Can be used for any government or utility-related activity; must be used for purpose stated on voters ballot
General Obligation (GO) Bonds – councilmanic (non-voted)	< \$20,336,270	Can be used for any government related activity
Sales Taxes – From County	\$283,604	Restricted for police activities
Sales Taxes – Public Safety Local Levy	\$368,675	Restricted for police activities
Liquor Excise Tax	\$77,569	Restricted for police activities
Liquor Profits	\$150,586	Restricted for police activities
Sales Taxes – Traffic Benefit District (TBD) Local Levy	\$700,000	Restricted for street capital maintenance
Real Estate Excise Tax 1 (REET 1)	\$250,000	Can be used for any municipal capital project that is in the comp plan; includes debt service for a capital project
Real Estate Excise Tax 2 (REET 2)	\$250,000	Restricted to any parks or streets capital project that is in the comp plan; includes debt service for a capital project
Park Impact Fees	\$175,000	Restricted to growth-related park projects
Street Impact Fees	\$238,000	Restricted to growth-related street projects
State Local Option Capital Asset Lending (LOCAL) Program	varies	Can be used for the purchase of any government equipment or real estate project
Monthly Utility Bills	\$16,045,125	Restricted to any utility-related activity
Utility Capital Fees	\$801,920	Restricted to any utility-related capital project
Revenue Bonds	varies	Restricted to any utility-related project or activity; debt paid from utility revenues only

Notes on the Major Revenue Sources

The Revenues in green do not have restrictions on their use. The City is currently utilizing these revenues in full (except for the debt options). So if any of these revenues are to be used for something else/new, then decisions must be made as to what services will be cut to cover the new use.

Revenues in blue are restricted for police activity.

Revenues in violet are restricted for capital project purposes.

Revenues in orange are restricted for utility purposes.

District	Banked Capacity for 2016 levies
Arlington	\$0.00
Brier	\$0.00
Darrington	\$44,720.78
Edmonds	\$65,631.32
Everett	\$0.00
Gold Bar	\$13,581.19
Granite Falls	\$24,004.14
Index	\$0.00
Lake Stevens	\$0.00
Lynnwood	\$0.00
Marysville	\$339,097.85
Mill Creek	\$216,899.01
Monroe	\$1,142,245.87
Mountlake Terrace	\$0.00
Mukilteo	\$412,853.66
Snohomish	\$974,062.79
Stanwood	\$0.00
Sultan	\$131,501.96
Woodway	\$0.00

source: Snohomish County Assessor's Office

City of Monroe - January 2016

General Fund Revenues	2016 Budget	Year-to-Date 01/31/16	% of Budget	2015 Budget	Year-to-Date 01/31/15	% of Budget
Property Tax	2,031,543	13,621	0.7%	2,011,559	24,682	1.2%
Sales Tax	5,001,675	358,378	7.2%	4,665,073	324,660	7.0%
Admissions Tax	135,000	16,825	12.5%	130,000	11,518	8.9%
Utility Tax	2,025,618	184,182	9.1%	2,035,500	207,658	10.2%
Leasehold & Gambling Taxes	42,726	995	2.3%	39,250	219	0.6%
Total Taxes	9,236,562	574,002	6.2%	8,881,382	568,737	6.4%
Licenses & Permits	467,800	45,073	9.6%	362,000	55,653	15.4%
Intergovernmental	549,315	30,243	5.5%	518,946	21,217	4.1%
Charges for Goods & Services	1,098,531	77,378	7.0%	864,163	58,416	6.8%
Fines & Penalties	261,340	22,220	8.5%	213,800	8,413	3.9%
Miscellaneous Revenues	41,901	167	0.4%	44,374	198	0.4%
Interfund Transfers In	106,000	-	0.0%	318,000	-	0.0%
Total General Fund Revenues	11,761,449	749,083	6.4%	11,202,665	712,634	6.4%
General Fund Expenditures	2016 Budget	Year-to-Date 01/31/16	% of Budget	2015 Budget	Year-to-Date 01/31/15	% of Budget
Admin, City Clerk & Public Records	750,225	89,923	12.0%	861,420	75,701	8.8%
City Attorney	180,000	-	0.0%	130,000	-	0.0%
Human Resources	147,600	12,264	8.3%	147,639	11,671	7.9%
Elected/Legislative	193,849	13,434	6.9%	150,100	7,241	4.8%
Finance	521,503	39,897	7.7%	513,726	37,109	7.2%
Planning & Building	1,080,972	82,649	7.6%	1,303,947	63,899	4.9%
Economic Development	-	-	-	25,000	-	0.0%
Emergency Management	24,847	1,395	5.6%	96,037	5,301	5.5%
Police	6,727,210	625,639	9.3%	6,319,706	595,905	9.4%
Jail, District Court & Dispatch	680,716	-	0.0%	590,054	24,311	4.1%
Municipal Court	326,348	21,219	6.5%	318,855	20,126	6.3%
Parks & Recreation	1,164,172	95,115	8.2%	1,075,930	81,476	7.6%
Interfund Transfers Out	154,956	-	0.0%	284,669	-	0.0%
Total General Fund Expenditures	11,952,398	981,536	8.2%	11,817,083	922,740	7.8%

City of Monroe - January 2016

Other Funds' Revenues	2016 Budget	Year-to-Date 01/31/16	% of Budget	2015 Budget	Year-to-Date 01/31/15	% of Budget
Street Fund	606,966	50,097	8.3%	578,571	46,103	8.0%
Tourism Fund (Lodging Tax)	66,826	5,407	8.1%	65,200	3,945	6.1%
Real Estate Excise Tax Fund	501,500	74,152	14.8%	400,000	23,286	5.8%
Water Fund	3,835,423	408,041	10.6%	3,707,790	355,162	9.6%
Sewer Fund	7,398,759	668,251	9.0%	7,168,535	607,331	8.5%
Storm Drain Fund	1,587,743	130,226	8.2%	1,614,783	130,718	8.1%
Solid Waste Fund	3,394,125	275,643	8.1%	3,343,700	284,424	8.5%
Water CIP Fund	340,000	20,555	6.0%	505,420	43,350	8.6%
Sewer CIP Fund	2,521,920	37,280	1.5%	2,000,000	54,216	2.7%
Storm Drain CIP Fund	3,283,987	-	0.0%	917,250	-	0.0%

Other Funds' Expenditures	2016 Budget	Year-to-Date 01/31/16	% of Budget	2015 Budget	Year-to-Date 01/31/15	% of Budget
Street Fund	683,883	80,717	11.8%	674,184	63,685	9.4%
Tourism Fund (Lodging Tax)	80,908	76	0.1%	80,385	32	0.0%
Parks CIP Fund	738,614	12,353	1.7%	651,193	9,720	1.5%
Street CIP Fund	6,618,545	23,201	0.4%	5,812,568	18,325	0.3%
Water Fund	3,936,771	205,511	5.2%	4,044,604	178,504	4.4%
Sewer Fund	7,322,656	557,401	7.6%	7,055,878	532,400	7.5%
Storm Drain Fund	1,508,889	119,516	7.9%	1,530,343	107,338	7.0%
Solid Waste Fund	3,443,533	272,984	7.9%	3,278,401	22,049	0.7%
Water CIP Fund	4,396,842	20,161	0.5%	2,425,204	14,908	0.6%
Sewer CIP Fund	3,875,655	21,899	0.6%	2,791,917	15,870	0.6%
Storm Drain CIP Fund	313,411	20,463	6.5%	1,852,931	13,721	0.7%
Information Technology I.S. Fund	529,321	50,363	9.5%	492,399	41,848	8.5%
Fleet & Equipment I.S. Fund	1,042,359	37,688	3.6%	992,041	35,864	3.6%
Facilities I.S. Fund	1,210,564	57,927	4.8%	1,220,556	37,268	3.1%

General Ledger

Expenditures for January 2016



User: dianne
 Printed: 02/05/16 10:27:50
 Period 01 - 01
 Fiscal Year 2016

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001	General Fund					
001-000-000-597-52-00-00	Transfer to 520 from PD Reserv	75,545.00	0.00	0.00	75,545.00	0.00
001-000-000-597-62-10-00	Transfer to Sick Leave Reserve	79,411.00	0.00	0.00	79,411.00	0.00
	Transfers Out	154,956.00	0.00	0.00	154,956.00	0.00
000	Non-Departmental	154,956.00	0.00	0.00	154,956.00	0.00
001-000-001-513-10-10-00	Admin Salaries	147,799.00	12,678.00	12,678.00	135,121.00	8.58
001-000-001-513-10-21-00	Admin Social Security	9,164.00	785.33	785.33	8,378.67	8.57
001-000-001-513-10-22-00	Admin Medicare	2,143.00	183.67	183.67	1,959.33	8.57
001-000-001-513-10-23-00	Admin Retirement	16,524.00	1,417.40	1,417.40	15,106.60	8.58
001-000-001-513-10-24-00	Admin L&I	335.00	22.24	22.24	312.76	6.64
001-000-001-513-10-25-00	Admin Insurance	17,934.00	1,492.62	1,492.62	16,441.38	8.32
001-000-001-513-10-26-00	Admin Deferred CompPlan 401A	4,434.00	380.34	380.34	4,053.66	8.58
001-000-001-513-10-27-02	Admin RHS	1,140.00	95.00	95.00	1,045.00	8.33
001-000-001-513-10-31-01	Admin Office Supplies	7,500.00	51.87	51.87	7,448.13	0.69
001-000-001-513-10-31-09	Admin Other Operating Supplies	500.00	500.90	500.90	-0.90	100.18
001-000-001-513-10-41-95	Admin Advertising	5,577.00	0.00	0.00	5,577.00	0.00
001-000-001-513-10-42-01	Admin Phone	30,000.00	138.80	138.80	29,861.20	0.46
001-000-001-513-10-42-02	Admin Postage	800.00	0.00	0.00	800.00	0.00
001-000-001-513-10-43-09	Admin Travel	1,500.00	81.19	81.19	1,418.81	5.41
001-000-001-513-10-46-01	Admin InsuranceWCIA Liability	32,094.00	28,358.00	28,358.00	3,736.00	88.36
001-000-001-513-10-49-01	Admin Organizational Dues	950.00	1,477.00	1,477.00	-527.00	155.47
001-000-001-513-10-49-02	Admin Tuitions & Registrations	500.00	1,036.00	1,036.00	-536.00	207.20
001-000-001-513-10-49-09	Admin Misc Charges for Service	7,000.00	2,596.84	2,596.84	4,403.16	37.10
	Executive	285,894.00	51,295.20	51,295.20	234,598.80	17.94
001-000-001-518-90-27-00	DRS OASI Insurance	55.00	0.00	0.00	55.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001-000-001-518-90-49-02	State Co-op Membership	250.00	0.00	0.00	250.00	0.00
	Central Services	305.00	0.00	0.00	305.00	0.00
001-000-001-518-90-49-00	AWC	11,026.00	11,111.00	11,111.00	-85.00	100.77
001-000-001-518-90-51-00	Puget Sound Air Pollution Cont	11,516.00	2,879.00	2,879.00	8,637.00	25.00
001-000-001-518-90-51-02	OMWBE Assessment	150.00	0.00	0.00	150.00	0.00
001-000-001-518-90-51-03	PSRC	5,158.00	0.00	0.00	5,158.00	0.00
001-000-001-518-90-51-04	Sno Co Tomorrow	3,100.00	0.00	0.00	3,100.00	0.00
001-000-001-518-90-51-05	Refund InterestProp Tax	10.00	0.00	0.00	10.00	0.00
001-000-001-518-90-53-01	Leasehold Tax	2,000.00	0.00	0.00	2,000.00	0.00
001-000-001-518-90-53-02	General B&O Tax	100.00	6.91	6.91	93.09	6.91
	General Govt. Services	33,060.00	13,996.91	13,996.91	19,063.09	42.34
001-000-001-513-10-41-96	Info Tech IS Fee	34,769.67	2,897.47	2,897.47	31,872.20	8.33
001-000-001-513-10-41-97	Vehicle & Equip IS Fee	11,613.33	967.78	967.78	10,645.55	8.33
001-000-001-513-10-41-98	Facilities IS Fee	26,469.00	2,205.75	2,205.75	24,263.25	8.33
	Intergovernmental Payments	72,852.00	6,071.00	6,071.00	66,781.00	8.33
001	Administration	392,111.00	71,363.11	71,363.11	320,747.89	18.20
001-000-002-514-23-10-00	Finance Salaries	283,937.00	23,639.00	23,639.00	260,298.00	8.33
001-000-002-514-23-21-00	Finance Social Security	17,714.00	1,394.82	1,394.82	16,319.18	7.87
001-000-002-514-23-22-00	Finance Medicare	3,962.00	326.20	326.20	3,635.80	8.23
001-000-002-514-23-23-00	Finance Retirement	30,552.00	2,642.85	2,642.85	27,909.15	8.65
001-000-002-514-23-24-00	Finance L&I	1,122.00	72.51	72.51	1,049.49	6.46
001-000-002-514-23-25-00	Finance Insurance	63,111.00	5,045.67	5,045.67	58,065.33	7.99
001-000-002-514-23-26-00	Finance Deferred CompPlan 401	8,117.00	549.07	549.07	7,567.93	6.76
001-000-002-514-23-27-00	Finance Flex Service Charge	0.00	8.97	8.97	-8.97	0.00
001-000-002-514-23-27-02	Finance RHS	1,756.00	221.52	221.52	1,534.48	12.62
001-000-002-514-23-27-04	Finance Pension Trust	2,070.00	224.02	224.02	1,845.98	10.82
001-000-002-514-23-31-01	Finance Office Supplies	200.00	5.07	5.07	194.93	2.54
001-000-002-514-23-31-02	Passport Supplies	1,500.00	118.10	118.10	1,381.90	7.87
001-000-002-514-23-31-09	Finance Other Oper Supplies	300.00	0.00	0.00	300.00	0.00
001-000-002-514-23-35-00	Finance Small Equipment	1,950.00	0.00	0.00	1,950.00	0.00
001-000-002-514-23-41-01	Finance Auditing Services	37,000.00	0.00	0.00	37,000.00	0.00
001-000-002-514-23-42-02	Finance Postage	350.00	0.00	0.00	350.00	0.00
001-000-002-514-23-43-09	Finance Travel	2,800.00	54.00	54.00	2,746.00	1.93
001-000-002-514-23-49-01	Finance Organization Dues	400.00	165.00	165.00	235.00	41.25
001-000-002-514-23-49-02	Finance Tuitions & Registratio	1,000.00	125.00	125.00	875.00	12.50
	Finance & Record Keeping	457,841.00	34,591.80	34,591.80	423,249.20	7.56

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001-000-002-514-23-41-96	Info Tech IS Fee	23,977.00	1,998.08	1,998.08	21,978.92	8.33
001-000-002-514-23-41-97	Interfund Vehicle & Equip	1,306.00	108.83	108.83	1,197.17	8.33
001-000-002-514-23-41-98	Facilities IS Fee	38,379.00	3,198.25	3,198.25	35,180.75	8.33
	Intergovernmental Payments	<u>63,662.00</u>	<u>5,305.16</u>	<u>5,305.16</u>	<u>58,356.84</u>	<u>8.33</u>
002	Finance	521,503.00	39,896.96	39,896.96	481,606.04	7.65
001-000-003-518-10-10-00	HR Salaries	95,101.00	7,930.40	7,930.40	87,170.60	8.34
001-000-003-518-10-21-00	HR Social Security	5,891.00	488.30	488.30	5,402.70	8.29
001-000-003-518-10-22-00	HR Medicare	1,360.00	114.20	114.20	1,245.80	8.40
001-000-003-518-10-23-00	HR Retirement	10,480.00	886.60	886.60	9,593.40	8.46
001-000-003-518-10-24-00	HR L&I	264.00	17.31	17.31	246.69	6.56
001-000-003-518-10-25-00	HR Insurance	14,808.00	1,194.09	1,194.09	13,613.91	8.06
001-000-003-518-10-26-00	HR Deferred CompPlan 401A	2,812.00	237.91	237.91	2,574.09	8.46
001-000-003-518-10-27-02	HR RHS	899.00	76.00	76.00	823.00	8.45
001-000-003-518-10-31-01	HR Office Supplies	100.00	0.00	0.00	100.00	0.00
001-000-003-518-10-41-10	HR Professional Services	5,500.00	500.00	500.00	5,000.00	9.09
001-000-003-518-10-49-00	Employee Appreciation	500.00	0.00	0.00	500.00	0.00
001-000-003-518-10-49-01	HR Organization Dues	500.00	0.00	0.00	500.00	0.00
	Human Resources	138,215.00	11,444.81	11,444.81	126,770.19	8.28
001-000-003-518-10-41-98	HR Interfund Facilities Fees	8,382.00	698.50	698.50	7,683.50	8.33
001-000-003-518-10-42-01	HR Phones	0.00	36.83	36.83	-36.83	0.00
	Central Services	8,382.00	735.33	735.33	7,646.67	8.77
001-000-003-518-10-41-97	Interfund Vehicle & Equip Fees	1,003.00	83.58	83.58	919.42	8.33
	Intergovernmental Payments	<u>1,003.00</u>	<u>83.58</u>	<u>83.58</u>	<u>919.42</u>	<u>8.33</u>
003	Human Resources	147,600.00	12,263.72	12,263.72	135,336.28	8.31
001-000-004-521-10-49-01	LEOFF I Medical Bills	20,000.00	0.00	0.00	20,000.00	0.00
001-000-004-521-21-49-02	PD Narcotics	6,800.00	377.63	377.63	6,422.37	5.55
001-000-004-521-22-10-01	PD Salaries	3,732,171.00	303,004.66	303,004.66	3,429,166.34	8.12
001-000-004-521-22-10-03	PD Contract Obligation Salary	329,320.00	19,222.16	19,222.16	310,097.84	5.84
001-000-004-521-22-10-07	PD Off Duty Salary	3,000.00	0.00	0.00	3,000.00	0.00
001-000-004-521-22-10-08	PD Traffic Safety Grant OT	10,000.00	49.03	49.03	9,950.97	0.49
001-000-004-521-22-21-00	PD Social Security	0.00	18.60	18.60	-18.60	0.00
001-000-004-521-22-21-01	PD Social Security	224,439.00	18,457.16	18,457.16	205,981.84	8.22
001-000-004-521-22-21-03	PD Contract Obligation Soc Sec	19,805.00	1,190.78	1,190.78	18,614.22	6.01
001-000-004-521-22-21-07	PD Off Duty FICA	180.00	0.00	0.00	180.00	0.00
001-000-004-521-22-21-08	Traf Safety Grant OT Soc	601.00	2.99	2.99	598.01	0.50

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
	Sec					
001-000-004-521-22-22-00	PD Medicare	0.00	4.35	4.35	-4.35	0.00
001-000-004-521-22-22-01	PD Medicare	52,490.00	4,316.57	4,316.57	48,173.43	8.22
001-000-004-521-22-22-03	PD Contract Obligation	4,632.00	278.51	278.51	4,353.49	6.01
	Medicar					
001-000-004-521-22-22-07	PD Off Duty Medicare	43.00	0.00	0.00	43.00	0.00
001-000-004-521-22-22-08	Traf Safety Grant OT	141.00	0.69	0.69	140.31	0.49
	Medicare					
001-000-004-521-22-23-01	PD Retirement	233,995.00	19,468.72	19,468.72	214,526.28	8.32
001-000-004-521-22-23-03	PD Contract Obligation	16,707.00	939.49	939.49	15,767.51	5.62
	Retirem					
001-000-004-521-22-23-07	PD Off Duty Retirement	151.00	0.00	0.00	151.00	0.00
001-000-004-521-22-23-08	Traf Safety Grant OT	508.00	2.57	2.57	505.43	0.51
	Retiremen					
001-000-004-521-22-24-01	PD L&I	94,648.00	5,885.59	5,885.59	88,762.41	6.22
001-000-004-521-22-24-03	PD RFL L&I	0.00	25.31	25.31	-25.31	0.00
001-000-004-521-22-24-08	PD Traf Saf Grant L&I	0.00	1.03	1.03	-1.03	0.00
001-000-004-521-22-25-01	PD Insurance	667,766.00	52,143.85	52,143.85	615,622.15	7.81
001-000-004-521-22-25-03	PD Insurance	0.00	216.49	216.49	-216.49	0.00
001-000-004-521-22-25-08	PD Traff Saf Grant	0.00	8.01	8.01	-8.01	0.00
	Insurance					
001-000-004-521-22-26-00	PD LTD	9,943.00	0.00	0.00	9,943.00	0.00
001-000-004-521-22-26-01	PD Deferred CompPlan	97,904.00	9,718.17	9,718.17	88,185.83	9.93
	401A					
001-000-004-521-22-26-03	PD Temp Def CompPlan	0.00	11.14	11.14	-11.14	0.00
	401A					
001-000-004-521-22-26-08	PD Traf Safe Grant Defer	0.00	0.21	0.21	-0.21	0.00
	Comp					
001-000-004-521-22-27-01	PD Flex Service Charge	0.00	11.70	11.70	-11.70	0.00
001-000-004-521-22-27-02	PD RHS	4,423.00	773.28	773.28	3,649.72	17.48
001-000-004-521-22-27-04	PD Pension Trust	22,523.00	1,589.15	1,589.15	20,933.85	7.06
001-000-004-521-22-28-00	PD Uniforms	300.00	300.00	300.00	0.00	100.00
001-000-004-521-22-28-01	PD HSA	90,000.00	81,000.00	81,000.00	9,000.00	90.00
001-000-004-521-22-31-01	PD Office Supplies	4,050.00	755.58	755.58	3,294.42	18.66
001-000-004-521-22-31-02	PD Other Supplies	7,278.00	421.95	421.95	6,856.05	5.80
001-000-004-521-22-31-05	PD Clothing	21,015.00	26.43	26.43	20,988.57	0.13
001-000-004-521-22-31-07	PD Range Supplies	31,550.00	7,294.26	7,294.26	24,255.74	23.12
001-000-004-521-22-34-01	PD Publications	200.00	8.95	8.95	191.05	4.48
001-000-004-521-22-35-01	PD Small Tools &	1,250.00	23.74	23.74	1,226.26	1.90
	Equipment					
001-000-004-521-22-35-02	Traffic Safety Equipment	1,000.00	0.00	0.00	1,000.00	0.00
001-000-004-521-22-41-01	PD Professional Services	27,340.00	140.90	140.90	27,199.10	0.52
001-000-004-521-22-41-02	PD Psych, Poly,	500.00	0.00	0.00	500.00	0.00
	Backgrounds					
001-000-004-521-22-41-03	PD Veterinary Services	5,000.00	0.00	0.00	5,000.00	0.00
001-000-004-521-22-42-00	PD Postage	1,500.00	0.00	0.00	1,500.00	0.00
001-000-004-521-22-42-01	PD Communications	16,101.00	0.00	0.00	16,101.00	0.00
001-000-004-521-22-46-00	Liability Insurance	19,652.00	20,047.00	20,047.00	-395.00	102.01
001-000-004-521-22-48-01	PD Repairs & Maintenance	16,098.00	199.18	199.18	15,898.82	1.24

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001-000-004-521-22-48-02	PD RadiosRepairBatteries	5,000.00	0.00	0.00	5,000.00	0.00
001-000-004-521-22-49-06	PD Organization Dues	1,363.00	300.00	300.00	1,063.00	22.01
001-000-004-521-22-49-07	PD Printing & Binding	1,500.00	0.00	0.00	1,500.00	0.00
001-000-004-521-22-51-09	PD Misc Intergovernmental	17,486.00	2,884.83	2,884.83	14,601.17	16.50
001-000-004-521-30-31-09	PD Crime Prevention Supplies	2,730.00	0.00	0.00	2,730.00	0.00
001-000-004-521-40-43-09	PD Travel	7,874.00	0.00	0.00	7,874.00	0.00
001-000-004-521-40-49-09	PD Tuition & Registration	11,925.00	1,290.00	1,290.00	10,635.00	10.82
	Law Enforcement	5,842,902.00	552,410.66	552,410.66	5,290,491.34	9.45
001-000-004-523-20-45-02	PD EHD Equip Rental Fees Detention & Correction	1,000.00 1,000.00	0.00 0.00	0.00 0.00	1,000.00 1,000.00	0.00 0.00
001-000-004-566-66-51-00	2% Liquor Revenue for Rehab Substance Abuse	4,563.00 4,563.00	0.00 0.00	0.00 0.00	4,563.00 4,563.00	0.00 0.00
001-000-004-521-22-41-96	Info Tech IS Fee	154,752.88	12,896.07	12,896.07	141,856.81	8.33
001-000-004-521-22-41-97	Vehicle & Equip IS Fee	329,102.12	27,425.18	27,425.18	301,676.94	8.33
001-000-004-521-22-41-98	Facilities IS Fee	394,890.00	32,907.50	32,907.50	361,982.50	8.33
	Intergovernmental Payments	878,745.00	73,228.75	73,228.75	805,516.25	8.33
004	Police Department	6,727,210.00	625,639.41	625,639.41	6,101,570.59	9.30
001-000-005-511-60-10-00	MayorCouncil Salaries	110,400.00	9,200.00	9,200.00	101,200.00	8.33
001-000-005-511-60-21-00	MayorCouncil Soc Sec	6,845.00	570.40	570.40	6,274.60	8.33
001-000-005-511-60-22-00	MayorCouncil Medicare	1,601.00	133.40	133.40	1,467.60	8.33
001-000-005-511-60-24-00	MayorCouncil L&I	653.00	42.23	42.23	610.77	6.47
001-000-005-511-60-41-00	Lobbying Services	45,600.00	0.00	0.00	45,600.00	0.00
001-000-005-511-60-42-01	Legislative Phones	0.00	308.09	308.09	-308.09	0.00
001-000-005-511-60-43-09	MayorCouncil Travel	500.00	71.19	71.19	428.81	14.24
001-000-005-511-60-49-00	Miscellaneous Expenses	500.00	208.56	208.56	291.44	41.71
001-000-005-511-60-49-01	Newsletter Printing	3,500.00	0.00	0.00	3,500.00	0.00
001-000-005-511-60-49-02	Tuition & Registration	1,000.00	350.00	350.00	650.00	35.00
001-000-005-511-60-49-03	Social Media Costs	3,250.00	0.00	0.00	3,250.00	0.00
001-000-005-514-40-51-00	Sno Co Election Costs	20,000.00	2,550.47	2,550.47	17,449.53	12.75
	Legislative	193,849.00	13,434.34	13,434.34	180,414.66	6.93
005	Legislative	193,849.00	13,434.34	13,434.34	180,414.66	6.93
001-000-006-515-30-41-03	City Attorney Legal	180,000.00 180,000.00	0.00 0.00	0.00 0.00	180,000.00 180,000.00	0.00 0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
006	Legal	180,000.00	0.00	0.00	180,000.00	0.00
001-000-007-514-20-10-00	Admin Salaries	132,602.00	11,244.00	11,244.00	121,358.00	8.48
001-000-007-514-20-11-00	Admin City Clerk Overtime	0.00	334.88	334.88	-334.88	0.00
001-000-007-514-20-21-00	Admin City Clerk Social Securi	8,221.00	709.41	709.41	7,511.59	8.63
001-000-007-514-20-22-00	Admin City Clerk Medicare	1,923.00	165.91	165.91	1,757.09	8.63
001-000-007-514-20-23-00	Admin City Clerk Retirement	14,825.00	1,294.52	1,294.52	13,530.48	8.73
001-000-007-514-20-24-00	Admin City Clerk L&I	670.00	43.30	43.30	626.70	6.46
001-000-007-514-20-25-00	Admin City Clerk Insurance	36,715.00	2,985.24	2,985.24	33,729.76	8.13
001-000-007-514-20-26-00	Admin City Clerk Defer Comp401	3,978.00	193.32	193.32	3,784.68	4.86
001-000-007-514-20-27-02	Admin City Clerk RHS	2,280.00	190.00	190.00	2,090.00	8.33
	Executive	201,214.00	17,160.58	17,160.58	184,053.42	8.53
001-000-007-511-30-41-09	Other Pro ServCodify MMC	6,000.00	0.00	0.00	6,000.00	0.00
001-000-007-514-20-31-00	City Clerk Supplies	1,000.00	52.63	52.63	947.37	5.26
001-000-007-514-21-42-01	City Clerk Phones	750.00	36.83	36.83	713.17	4.91
001-000-007-514-21-42-02	Records Postage	100.00	0.00	0.00	100.00	0.00
001-000-007-514-21-43-00	ClerkPub Records Travel	2,000.00	210.20	210.20	1,789.80	10.51
001-000-007-514-21-49-00	Public Records Disclosure Cost	200.00	0.00	0.00	200.00	0.00
001-000-007-514-21-49-01	Organizational Dues	250.00	25.00	25.00	225.00	10.00
001-000-007-514-21-49-02	Tuition & Registration	1,500.00	1,075.00	1,075.00	425.00	71.67
001-000-007-514-21-49-09	Miscellaneous	100.00	0.00	0.00	100.00	0.00
	Finance & Record Keeping	11,900.00	1,399.66	1,399.66	10,500.34	11.76
001-000-007-515-91-41-00	Public Defender Legal Fees	145,000.00	0.00	0.00	145,000.00	0.00
	Legal	145,000.00	0.00	0.00	145,000.00	0.00
007	City ClerkPublic Records	358,114.00	18,560.24	18,560.24	339,553.76	5.18
001-000-009-512-50-10-01	Muni Court Salaries	155,687.00	13,025.25	13,025.25	142,661.75	8.37
001-000-009-512-50-21-01	Muni Court Social Security	9,652.57	785.61	785.61	8,866.96	8.14
001-000-009-512-50-22-01	Muni Court Medicare	2,257.46	183.73	183.73	2,073.73	8.14
001-000-009-512-50-23-01	Muni Court Retirement	16,011.50	1,340.85	1,340.85	14,670.65	8.37
001-000-009-512-50-24-01	Muni Court L&I	1,322.75	85.94	85.94	1,236.81	6.50
001-000-009-512-50-25-01	Muni Court Insurance	35,919.98	2,938.01	2,938.01	32,981.97	8.18
001-000-009-512-50-26-01	Muni Court Def CompPlan 401A	2,775.74	0.00	0.00	2,775.74	0.00
001-000-009-512-50-27-02	Muni Court RHS	1,140.00	136.38	136.38	1,003.62	11.96
001-000-009-512-50-27-04	Muni Court Pension Trust	1,443.00	95.33	95.33	1,347.67	6.61
001-000-009-512-50-31-01	Muni Court Office Supplies	600.00	0.00	0.00	600.00	0.00
001-000-009-512-50-31-02	Muni Court Other Supplies	100.00	0.00	0.00	100.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001-000-009-512-50-35-01	Muni Court Small Tools & Equip	300.00	0.00	0.00	300.00	0.00
001-000-009-512-50-41-01	Muni Court Prof Services	2,400.00	181.25	181.25	2,218.75	7.55
001-000-009-512-50-41-02	Muni Court Judge Salary	52,800.00	0.00	0.00	52,800.00	0.00
001-000-009-512-50-41-03	Munic Court Pro Tem Judge	1,600.00	0.00	0.00	1,600.00	0.00
001-000-009-512-50-41-04	Muni Court Security	500.00	0.00	0.00	500.00	0.00
001-000-009-512-50-41-05	Muni Court Extra Help	2,600.00	0.00	0.00	2,600.00	0.00
001-000-009-512-50-41-06	Muni Court Jury Expenses	1,200.00	0.00	0.00	1,200.00	0.00
001-000-009-512-50-42-00	Muni Court Postage	1,200.00	0.00	0.00	1,200.00	0.00
001-000-009-512-50-42-01	Muni Court Communications	1,200.00	94.45	94.45	1,105.55	7.87
001-000-009-512-50-43-09	Muni Court Travel	1,000.00	0.00	0.00	1,000.00	0.00
001-000-009-512-50-48-01	Muni Court Repairs & Maint	300.00	0.00	0.00	300.00	0.00
001-000-009-512-50-49-01	Muni Court Misc Expenses	6,200.00	182.54	182.54	6,017.46	2.94
001-000-009-512-50-49-02	Muni Court Tuition & Registrat	400.00	0.00	0.00	400.00	0.00
001-000-009-512-50-49-06	Muni Court Organization Dues	400.00	0.00	0.00	400.00	0.00
001-000-009-512-50-49-07	Muni Court Printing & Binding	1,000.00	0.00	0.00	1,000.00	0.00
001-000-009-512-50-49-09	Muni Court Publications Judicial	300.00	0.00	0.00	300.00	0.00
		300,310.00	19,049.34	19,049.34	281,260.66	6.34
001-000-009-512-50-41-96	Info Tech IS Fee	8,392.00	699.33	699.33	7,692.67	8.33
001-000-009-512-50-41-98	Facilities IS Fee	17,646.00	1,470.50	1,470.50	16,175.50	8.33
	Intergovernmental Payments	26,038.00	2,169.83	2,169.83	23,868.17	8.33
009	Municipal Court	326,348.00	21,219.17	21,219.17	305,128.83	6.50
001-000-010-573-90-49-00	Parks Community Events Spectator & Comm. Events	4,000.00	0.00	0.00	4,000.00	0.00
		4,000.00	0.00	0.00	4,000.00	0.00
001-000-010-576-80-10-00	Parks Salaries	329,418.00	27,204.22	27,204.22	302,213.78	8.26
001-000-010-576-80-10-01	Parks Seasonal Salaries	41,600.00	0.00	0.00	41,600.00	0.00
001-000-010-576-80-11-00	Parks Overtime	5,000.00	0.00	0.00	5,000.00	0.00
001-000-010-576-80-21-00	Parks Social Security	20,607.00	1,607.03	1,607.03	18,999.97	7.80
001-000-010-576-80-21-01	Parks Seasonal Soc Sec	2,527.00	0.00	0.00	2,527.00	0.00
001-000-010-576-80-22-00	Parks Medicare	4,820.00	375.82	375.82	4,444.18	7.80
001-000-010-576-80-22-01	Parks Seasonal Medicare	591.00	0.00	0.00	591.00	0.00
001-000-010-576-80-23-00	Parks Retirement	37,106.00	3,041.45	3,041.45	34,064.55	8.20
001-000-010-576-80-24-00	Parks L&I	13,504.00	832.99	832.99	12,671.01	6.17
001-000-010-576-80-24-01	Parks Seasonal L&I	3,808.00	0.00	0.00	3,808.00	0.00
001-000-010-576-80-24-04	Parks Pension Trust	1,411.00	0.00	0.00	1,411.00	0.00
001-000-010-576-80-25-00	Parks Insurance	97,310.00	7,935.20	7,935.20	89,374.80	8.15

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001-000-010-576-80-26-00	Parks Deferred CompPlan 401A	8,257.00	273.46	273.46	7,983.54	3.31
001-000-010-576-80-27-02	Parks RHS	0.00	263.12	263.12	-263.12	0.00
001-000-010-576-80-27-04	Parks Pension Trust	5,908.00	500.48	500.48	5,407.52	8.47
001-000-010-576-80-31-03	Parks Clothing	500.00	0.00	0.00	500.00	0.00
001-000-010-576-80-31-08	Parks HazardSafety Supplies	3,000.00	0.00	0.00	3,000.00	0.00
001-000-010-576-80-31-09	Parks Other Supplies	14,000.00	0.00	0.00	14,000.00	0.00
001-000-010-576-80-31-10	Parks Seeds, Herbs, Plants	1,500.00	143.22	143.22	1,356.78	9.55
001-000-010-576-80-31-11	Parks Fertilizer	3,000.00	0.00	0.00	3,000.00	0.00
001-000-010-576-80-31-15	Parks Athletic Supplies	7,000.00	0.00	0.00	7,000.00	0.00
001-000-010-576-80-31-16	Parks Turf & Field Supplies	6,000.00	0.00	0.00	6,000.00	0.00
001-000-010-576-80-35-09	Parks Small Tools & Equipment	2,000.00	0.00	0.00	2,000.00	0.00
001-000-010-576-80-41-09	Parks Other Professional Servi	2,000.00	0.00	0.00	2,000.00	0.00
001-000-010-576-80-42-00	Parks Cell Phones	4,000.00	383.77	383.77	3,616.23	9.59
001-000-010-576-80-42-02	Parks Postage	100.00	0.00	0.00	100.00	0.00
001-000-010-576-80-45-09	Parks Rents & Leases	2,000.00	0.00	0.00	2,000.00	0.00
001-000-010-576-80-46-00	Liability Insurance	10,628.00	10,197.00	10,197.00	431.00	95.94
001-000-010-576-80-48-07	Parks Fixtures Repairs & Maint	6,000.00	64.08	64.08	5,935.92	1.07
001-000-010-576-80-48-08	Parks Trail System Maint	1,000.00	387.72	387.72	612.28	38.77
001-000-010-576-80-48-09	Parks Other Repairs & Maint	10,000.00	584.57	584.57	9,415.43	5.85
001-000-010-576-80-48-10	Parks Playground R&M	6,000.00	0.00	0.00	6,000.00	0.00
001-000-010-576-80-48-11	Parks Irrigation R&M	3,500.00	81.40	81.40	3,418.60	2.33
001-000-010-576-80-48-13	Parks Vandalism	1,000.00	0.00	0.00	1,000.00	0.00
001-000-010-576-80-49-02	Parks Tuition & Registration	1,500.00	0.00	0.00	1,500.00	0.00
001-000-010-576-80-49-04	Tri-Monroe Event	6,500.00	0.00	0.00	6,500.00	0.00
001-000-010-576-80-49-09	Parks Misc Expenses	100.00	0.00	0.00	100.00	0.00
001-000-010-576-90-10-00	Parks Admin Salaries	155,422.00	12,887.19	12,887.19	142,534.81	8.29
001-000-010-576-90-21-00	Parks Admin Soc Sec	9,636.00	782.87	782.87	8,853.13	8.12
001-000-010-576-90-22-00	Parks Admin Medicare	2,254.00	183.08	183.08	2,070.92	8.12
001-000-010-576-90-23-00	Parks Admin Retirement	17,376.00	1,440.79	1,440.79	15,935.21	8.29
001-000-010-576-90-24-00	Parks Admin L&I	2,122.00	124.79	124.79	1,997.21	5.88
001-000-010-576-90-25-00	Parks Admin Insurance	31,440.00	2,482.13	2,482.13	28,957.87	7.89
001-000-010-576-90-26-00	Parks Admin Def CompPlan 401A	4,589.00	324.67	324.67	4,264.33	7.07
001-000-010-576-90-27-02	Parks Admin RHS	782.00	117.43	117.43	664.57	15.02
001-000-010-576-90-27-04	Parks Admin Pension Trust	1,121.00	95.33	95.33	1,025.67	8.50
001-000-010-576-90-31-09	Parks Admin Supplies	200.00	0.00	0.00	200.00	0.00
001-000-010-576-90-41-95	Parks Admin Advertising	200.00	0.00	0.00	200.00	0.00
001-000-010-576-90-49-01	Parks Admin Organization Dues	300.00	0.00	0.00	300.00	0.00
001-000-010-576-90-49-02	Parks Admin Tuition & Registra	500.00	164.00	164.00	336.00	32.80
001-000-010-576-90-53-02	Parks B&O Tax	600.00	100.80	100.80	499.20	16.80

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
	Park Facilities	889,737.00	72,578.61	72,578.61	817,158.39	8.16
001-000-010-576-80-41-96	Info Tech IS Fee	7,193.00	599.42	599.42	6,593.58	8.33
001-000-010-576-80-41-97	Vehicle & Equip IS Fee	201,747.00	16,812.25	16,812.25	184,934.75	8.33
001-000-010-576-80-41-98	Facilities IS Fee	61,495.00	5,124.58	5,124.58	56,370.42	8.33
	Intergovernmental Payments	270,435.00	22,536.25	22,536.25	247,898.75	8.33
010	Parks & Recreation	1,164,172.00	95,114.86	95,114.86	1,069,057.14	8.17
001-000-011-515-31-41-03	Prosecuting Attorney Legal	122,000.00 122,000.00	0.00 0.00	0.00 0.00	122,000.00 122,000.00	0.00 0.00
001-000-011-523-60-51-01	Sno County Jail Fees Detention & Correction	210,000.00 210,000.00	0.00 0.00	0.00 0.00	210,000.00 210,000.00	0.00 0.00
001-000-011-528-50-51-00	800 MHz Annual Maintenance	62,262.00	0.00	0.00	62,262.00	0.00
001-000-011-528-60-51-06	SNOPAC Communications & Dispatch	286,454.00 348,716.00	0.00 0.00	0.00 0.00	286,454.00 348,716.00	0.00 0.00
011	Court, Jail & Dispatch	680,716.00	0.00	0.00	680,716.00	0.00
001-000-110-558-60-10-00	Planning Salaries	375,919.00	32,239.68	32,239.68	343,679.32	8.58
001-000-110-558-60-11-00	Planning Overtime	500.00	0.00	0.00	500.00	0.00
001-000-110-558-60-21-00	Planning Social Security	22,264.00	1,961.36	1,961.36	20,302.64	8.81
001-000-110-558-60-22-00	Planning Medicare	5,194.16	458.74	458.74	4,735.42	8.83
001-000-110-558-60-23-00	Planning Retirement	37,581.00	3,370.89	3,370.89	34,210.11	8.97
001-000-110-558-60-24-00	Planning L&I	2,177.53	251.77	251.77	1,925.76	11.56
001-000-110-558-60-25-00	Planning Insurance	74,614.34	6,091.58	6,091.58	68,522.76	8.16
001-000-110-558-60-26-00	Planning Def CompPlan 401A	8,633.97	744.54	744.54	7,889.43	8.62
001-000-110-558-60-27-02	Planning RHS	3,392.00	323.24	323.24	3,068.76	9.53
001-000-110-558-60-27-04	Planning Pension Trust	1,960.00	138.82	138.82	1,821.18	7.08
001-000-110-558-60-31-09	Planning Other Ops Supplies	1,250.00	11.42	11.42	1,238.58	0.91
001-000-110-558-60-35-09	Planning Small Tools & Equip	200.00	0.00	0.00	200.00	0.00
001-000-110-558-60-41-09	Planning Other Prof Services	50,000.00	0.00	0.00	50,000.00	0.00
001-000-110-558-60-41-10	Land Use Attorney	15,000.00	0.00	0.00	15,000.00	0.00
001-000-110-558-60-41-11	Environ Studies Reimbursable	15,000.00	0.00	0.00	15,000.00	0.00
001-000-110-558-60-41-95	Planning Advertising	5,000.00	0.00	0.00	5,000.00	0.00
001-000-110-558-60-42-01	Planning Cell Phones	600.00	0.00	0.00	600.00	0.00
001-000-110-558-60-42-02	Planning Postage	2,500.00	0.00	0.00	2,500.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001-000-110-558-60-43-09	Planning Travel	2,500.00	0.00	0.00	2,500.00	0.00
001-000-110-558-60-49-01	Planning Organization Dues	2,500.00	70.00	70.00	2,430.00	2.80
001-000-110-558-60-49-02	Planning Tuition & Registration	4,000.00	0.00	0.00	4,000.00	0.00
001-000-110-558-60-49-06	Planning Subscriptions	200.00	0.00	0.00	200.00	0.00
	Planning	630,986.00	45,662.04	45,662.04	585,323.96	7.24
001-000-110-559-30-10-00	Bldg Salaries	220,381.00	18,331.65	18,331.65	202,049.35	8.32
001-000-110-559-30-11-00	Bldg Overtime	500.00	0.00	0.00	500.00	0.00
001-000-110-559-30-21-00	Bldg Social Security	13,664.00	1,118.19	1,118.19	12,545.81	8.18
001-000-110-559-30-22-00	Bldg Medicare	3,196.00	261.52	261.52	2,934.48	8.18
001-000-110-559-30-23-00	Bldg Retirement	24,554.00	2,042.49	2,042.49	22,511.51	8.32
001-000-110-559-30-24-00	Bldg L&I	5,428.00	347.04	347.04	5,080.96	6.39
001-000-110-559-30-25-00	Bldg Insurance	52,824.00	4,166.60	4,166.60	48,657.40	7.89
001-000-110-559-30-26-00	Bldg Deferred CompPlan 401A	4,581.00	247.30	247.30	4,333.70	5.40
001-000-110-559-30-27-02	Bldg RHS	2,309.00	236.87	236.87	2,072.13	10.26
001-000-110-559-30-27-04	Bldg Pension Trust	1,036.00	85.32	85.32	950.68	8.24
001-000-110-559-30-31-05	Bldg Code Books	3,000.00	0.00	0.00	3,000.00	0.00
001-000-110-559-30-31-09	Bldg Office Operating Supplies	1,750.00	18.52	18.52	1,731.48	1.06
001-000-110-559-30-35-08	Bldg Hazardous Equipment	300.00	0.00	0.00	300.00	0.00
001-000-110-559-30-35-09	Bldg Small Tools & Equipment	350.00	0.00	0.00	350.00	0.00
001-000-110-559-30-41-09	Bldg Professional Services	8,000.00	0.00	0.00	8,000.00	0.00
001-000-110-559-30-42-01	Bldg Phones	2,000.00	217.72	217.72	1,782.28	10.89
001-000-110-559-30-42-02	Bldg Postage	150.00	0.00	0.00	150.00	0.00
001-000-110-559-30-43-09	Bldg Travel	1,500.00	0.00	0.00	1,500.00	0.00
001-000-110-559-30-46-00	Bldg Liability Insurance	1,099.00	1,147.00	1,147.00	-48.00	104.37
001-000-110-559-30-49-01	Bldg Organizational Dues	600.00	95.00	95.00	505.00	15.83
001-000-110-559-30-49-02	Bldg Training	2,500.00	325.00	325.00	2,175.00	13.00
001-000-110-559-30-49-06	Bldg Subscriptions	100.00	0.00	0.00	100.00	0.00
	Bldg & Comm Dev	349,822.00	28,640.22	28,640.22	321,181.78	8.19
001-000-110-558-60-41-96	Planning Info Tech IS Fee	16,784.00	1,398.67	1,398.67	15,385.33	8.33
001-000-110-558-60-41-97	Planning Interf Fleet & Equip	12,798.00	1,066.50	1,066.50	11,731.50	8.33
001-000-110-558-60-41-98	Planning Facilities IS Fee	70,582.00	5,881.83	5,881.83	64,700.17	8.33
	Intergovernmental Payments	100,164.00	8,347.00	8,347.00	91,817.00	8.33
110	Planning & Permitting	1,080,972.00	82,649.26	82,649.26	998,322.74	7.65
001-000-190-525-10-10-00	Salaries	3,384.00	282.20	282.20	3,101.80	8.34
001-000-190-525-10-21-00	Social Security	1,194.00	17.36	17.36	1,176.64	1.45
001-000-190-525-10-22-00	Medicare	0.00	4.06	4.06	-4.06	0.00
001-000-190-525-10-23-00	Retirement	0.00	31.55	31.55	-31.55	0.00
001-000-190-525-10-24-00	L&I	0.00	0.54	0.54	-0.54	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
001-000-190-525-10-25-00	Insurance	0.00	34.23	34.23	-34.23	0.00
001-000-190-525-10-26-00	Deferred CompPlan	0.00	8.46	8.46	-8.46	0.00
001-000-190-525-10-27-02	RHS	0.00	2.38	2.38	-2.38	0.00
001-000-190-525-10-41-95	Advertising	200.00	0.00	0.00	200.00	0.00
001-000-190-525-10-42-01	Cell Phones	225.00	0.00	0.00	225.00	0.00
001-000-190-525-10-42-03	Satellite Phone	225.00	0.00	0.00	225.00	0.00
001-000-190-525-10-42-05	ISP Wireless	264.00	0.00	0.00	264.00	0.00
001-000-190-525-10-43-09	Travel	120.00	0.00	0.00	120.00	0.00
001-000-190-525-60-31-09	Preparedness Suppli	1,250.00	0.00	0.00	1,250.00	0.00
001-000-190-525-60-35-08	DEM Contract	5,313.00	0.00	0.00	5,313.00	0.00
	Emergency Services	12,175.00	380.78	380.78	11,794.22	3.13
001-000-190-594-25-64-00	Equipment	500.00	0.00	0.00	500.00	0.00
	Capital Expenditures	500.00	0.00	0.00	500.00	0.00
001-000-190-525-10-41-96	Info Tech IS Fee	9,891.00	824.25	824.25	9,066.75	8.33
001-000-190-525-10-41-97	Vehicle & Equip IS Fee	2,060.00	171.67	171.67	1,888.33	8.33
001-000-190-525-10-41-98	Facilities IS Fee	221.00	18.42	18.42	202.58	8.33
	Intergovernmental Payments	12,172.00	1,014.34	1,014.34	11,157.66	8.33
190	Emergency Management	24,847.00	1,395.12	1,395.12	23,451.88	5.61
001	General Fund	11,952,398.00	981,536.19	981,536.19	10,970,861.81	8.21

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
002	Contingency Fund					
002-000-000-558-70-41-00	Downtown Arts & Events Grants	15,000.00	0.00	0.00	15,000.00	0.00
002-000-000-558-71-41-00	Downtown Main Street Program	25,000.00	0.00	0.00	25,000.00	0.00
	Planning	<u>40,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>40,000.00</u>	<u>0.00</u>
000	Non-Departmental	40,000.00	0.00	0.00	40,000.00	0.00
002	Contingency Fund	40,000.00	0.00	0.00	40,000.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
008	Donation Fund					
008-000-010-573-90-49-00	Community Egg Hunt Costs	3,000.00	0.00	0.00	3,000.00	0.00
008-000-010-573-90-49-01	Movies Under The Moon Costs	1,600.00	0.00	0.00	1,600.00	0.00
	Spectator & Comm. Events	4,600.00	0.00	0.00	4,600.00	0.00
008-000-010-576-90-49-00	Flower Basket Costs	2,000.00	0.00	0.00	2,000.00	0.00
	Park Facilities	<u>2,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>2,000.00</u>	<u>0.00</u>
010	Parks & Recreation	6,600.00	0.00	0.00	6,600.00	0.00
008	Donation Fund	6,600.00	0.00	0.00	6,600.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
105	Streets					
105-000-110-542-30-10-00	Streets Salaries-PlanPermit	42,437.00	265.20	265.20	42,171.80	0.62
105-000-110-542-30-21-00	Streets PIPerm Soc Security	2,605.00	15.91	15.91	2,589.09	0.61
105-000-110-542-30-22-00	Streets PIPerm Medicare	609.00	3.72	3.72	605.28	0.61
105-000-110-542-30-23-00	Streets PIPerm Retirement	4,698.00	29.65	29.65	4,668.35	0.63
105-000-110-542-30-24-00	Streets PIPerm L&I	1,171.00	1.09	1.09	1,169.91	0.09
105-000-110-542-30-25-00	Streets PIPerm Insurance	10,024.00	75.60	75.60	9,948.40	0.75
105-000-110-542-30-26-00	Streets PIPerm Defer Com 401	1,008.00	0.00	0.00	1,008.00	0.00
105-000-110-542-30-27-02	Streets PIPerm RHS	211.00	2.65	2.65	208.35	1.26
105-000-110-542-30-27-04	Streets PIPerm Pension Trust	635.00	4.76	4.76	630.24	0.75
	Street Maintenance	<u>63,398.00</u>	<u>398.58</u>	<u>398.58</u>	<u>62,999.42</u>	<u>0.63</u>
110	Planning & Permitting	63,398.00	398.58	398.58	62,999.42	0.63
105-000-120-542-30-10-00	Streets Salaries-DesignConstr	6,836.00	3,243.17	3,243.17	3,592.83	47.44
105-000-120-542-30-21-00	Streets DesCon Social Securit	420.00	196.15	196.15	223.85	46.70
105-000-120-542-30-22-00	Streets DesCon Medicare	98.00	45.86	45.86	52.14	46.80
105-000-120-542-30-23-00	Streets DesCon Retirement	757.00	362.60	362.60	394.40	47.90
105-000-120-542-30-24-00	Streets DesCon L&I	17.00	55.35	55.35	-38.35	325.59
105-000-120-542-30-25-00	Streets DesCon Insurance	862.00	640.79	640.79	221.21	74.34
105-000-120-542-30-26-00	Streets DesCon Defer Comp 401	203.00	83.72	83.72	119.28	41.24
105-000-120-542-30-27-00	Streets DesCon Flex Service C	0.00	0.39	0.39	-0.39	0.00
105-000-120-542-30-27-02	Streets DesCon RHS	57.00	34.09	34.09	22.91	59.81
105-000-120-542-30-27-04	Streets DesCon Pension Trust	0.00	19.07	19.07	-19.07	0.00
105-000-120-542-30-31-01	Safety Supplies	305.00	40.95	40.95	264.05	13.43
105-000-120-542-30-35-00	Small Tools & Equipment	1,715.00	3,510.11	3,510.11	-1,795.11	204.67
105-000-120-542-30-42-00	Phones	921.00	123.32	123.32	797.68	13.39
105-000-120-542-30-43-09	Travel	525.00	0.00	0.00	525.00	0.00
105-000-120-542-30-49-01	Tuition & Registration	1,600.00	0.00	0.00	1,600.00	0.00
	Street Maintenance	<u>14,316.00</u>	<u>8,355.57</u>	<u>8,355.57</u>	<u>5,960.43</u>	<u>58.37</u>
120	Design & Construction	14,316.00	8,355.57	8,355.57	5,960.43	58.37
105-000-130-542-30-10-00	Streets Salaries	140,967.00	11,909.30	11,909.30	129,057.70	8.45
105-000-130-542-30-11-00	Streets Overtime	3,800.00	311.78	311.78	3,488.22	8.20
105-000-130-542-30-21-00	Streets Social Security	8,915.00	728.23	728.23	8,186.77	8.17
105-000-130-542-30-22-00	Streets Medicare	2,085.00	170.32	170.32	1,914.68	8.17
105-000-130-542-30-23-00	Streets Retirement	16,075.00	1,366.11	1,366.11	14,708.89	8.50
105-000-130-542-30-24-00	Streets L&I	4,852.00	301.04	301.04	4,550.96	6.20

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
105-000-130-542-30-25-00	Streets Insurance	38,265.00	3,143.98	3,143.98	35,121.02	8.22
105-000-130-542-30-26-00	Streets Deferred CompPlan 401	3,639.00	218.93	218.93	3,420.07	6.02
105-000-130-542-30-27-00	Streets Flex Service Charge	0.00	0.39	0.39	-0.39	0.00
105-000-130-542-30-27-02	Streets RHS	228.00	110.89	110.89	117.11	48.64
105-000-130-542-30-27-04	Streets Pension Trust	2,093.00	183.52	183.52	1,909.48	8.77
105-000-130-542-30-31-08	Streets HazardSafety Supplies	400.00	585.91	585.91	-185.91	146.48
105-000-130-542-30-35-07	GIS Supplies & Equipment	750.00	0.00	0.00	750.00	0.00
105-000-130-542-30-35-08	Streets HazardSafety Equipmen	250.00	0.00	0.00	250.00	0.00
105-000-130-542-30-41-09	Streets Professional Services	3,500.00	0.00	0.00	3,500.00	0.00
105-000-130-542-30-42-01	Streets Phones	2,000.00	0.00	0.00	2,000.00	0.00
105-000-130-542-30-46-01	Streets Liability Insurance	26,274.00	28,494.00	28,494.00	-2,220.00	108.45
105-000-130-542-30-48-00	Longitudinal Pavement Markings	15,000.00	0.00	0.00	15,000.00	0.00
105-000-130-542-30-48-09	Streets Repairs & Maint	45,000.00	582.81	582.81	44,417.19	1.30
105-000-130-542-30-49-09	Streets Misc Expenses	500.00	0.00	0.00	500.00	0.00
105-000-130-542-61-48-00	Sidewalk Maintenance	10,000.00	0.00	0.00	10,000.00	0.00
105-000-130-542-63-48-00	Street Light Maintenance	15,000.00	89.94	89.94	14,910.06	0.60
105-000-130-542-64-41-00	Traffic Control Devices	25,000.00	0.00	0.00	25,000.00	0.00
105-000-130-542-64-48-00	Traffic Signal Maint Agreement	5,500.00	0.00	0.00	5,500.00	0.00
105-000-130-542-66-31-00	Snow & Ice Control	3,000.00	4,599.84	4,599.84	-1,599.84	153.33
105-000-130-542-80-31-10	Street Tree Maintenance	1,500.00	0.00	0.00	1,500.00	0.00
	Street Maintenance	374,593.00	52,796.99	52,796.99	321,796.01	14.09
105-000-130-597-42-00-00	Trf Out 317 Paths & Trails Transfers Out	1,586.00 1,586.00	0.00 0.00	0.00 0.00	1,586.00 1,586.00	0.00 0.00
105-000-130-542-30-41-97	Vehicle & Equip IS Fee	176,496.00	14,708.00	14,708.00	161,788.00	8.33
105-000-130-542-30-41-98	Facilities IS Fee	22,189.00	1,849.08	1,849.08	20,339.92	8.33
105-000-130-542-30-41-99	Admin Fee	31,305.00	2,608.75	2,608.75	28,696.25	8.33
	Intergovernmental Payments	229,990.00	19,165.83	19,165.83	210,824.17	8.33
130	Operations	606,169.00	71,962.82	71,962.82	534,206.18	11.87
105	Streets	683,883.00	80,716.97	80,716.97	603,166.03	11.80

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
109	Tourism					
109-000-000-557-30-41-99	Tourism Admin Fee	908.00	75.67	75.67	832.33	8.33
109-000-000-557-30-49-00	Tourism	80,000.00	0.00	0.00	80,000.00	0.00
	Community Services	<u>80,908.00</u>	<u>75.67</u>	<u>75.67</u>	<u>80,832.33</u>	<u>0.09</u>
000	Non-Departmental	80,908.00	75.67	75.67	80,832.33	0.09
109	Tourism	80,908.00	75.67	75.67	80,832.33	0.09

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
114	NarcoticDrug Buy Fund					
114-000-004-521-21-49-00	Costs #3090005734	50,000.00	0.00	0.00	50,000.00	0.00
	Law Enforcement	<u>50,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>50,000.00</u>	<u>0.00</u>
004	Police Department	50,000.00	0.00	0.00	50,000.00	0.00
114	NarcoticDrug Buy Fund	50,000.00	0.00	0.00	50,000.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
117	REET					
117-000-000-597-44-01-00	Transfer Out Fund 318	200,000.00	0.00	0.00	200,000.00	0.00
117-000-000-597-44-02-00	Transfer Out Fund 317	65,000.00	0.00	0.00	65,000.00	0.00
117-000-000-597-76-00-00	Transfer Out Parks Maint GF	100,000.00	0.00	0.00	100,000.00	0.00
	Transfers Out	<u>365,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>365,000.00</u>	<u>0.00</u>
000	Non-Departmental	365,000.00	0.00	0.00	365,000.00	0.00
117	REET	365,000.00	0.00	0.00	365,000.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
203	North Kelsey Debt Fund					
203-000-000-592-73-83-00	N Kelson Debt Interest	100,190.00	0.00	0.00	100,190.00	0.00
	Interest & Debt Service	<u>100,190.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100,190.00</u>	<u>0.00</u>
	Costs					
000	Non-Departmental	100,190.00	0.00	0.00	100,190.00	0.00
203	North Kelsey Debt Fund	100,190.00	0.00	0.00	100,190.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
307	Capital Improvements CIP					
307-000-120-594-38-62-06	City Campus Shop Design	100,000.00	0.00	0.00	100,000.00	0.00
	Capital Expenditures	<u>100,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100,000.00</u>	<u>0.00</u>
120	Design & Construction	100,000.00	0.00	0.00	100,000.00	0.00
307	Capital Improvements CIP	100,000.00	0.00	0.00	100,000.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
317	Parks CIP Fund					
317-000-010-576-80-10-00	Salaries	84,538.00	7,108.96	7,108.96	77,429.04	8.41
317-000-010-576-80-21-00	Social Security	5,131.00	430.09	430.09	4,700.91	8.38
317-000-010-576-80-22-00	Medicare	1,200.00	100.58	100.58	1,099.42	8.38
317-000-010-576-80-23-00	Retirement	9,252.00	794.79	794.79	8,457.21	8.59
317-000-010-576-80-24-00	L&I	2,485.00	150.75	150.75	2,334.25	6.07
317-000-010-576-80-25-00	Insurance	17,945.00	1,429.37	1,429.37	16,515.63	7.97
317-000-010-576-80-26-00	Deferred CompPlan 4	1,916.00	155.53	155.53	1,760.47	8.12
317-000-010-576-80-27-02	RHS	369.00	64.56	64.56	304.44	17.50
317-000-010-576-80-27-04	Pension Trust	1,039.00	57.18	57.18	981.82	5.50
317-000-010-576-80-41-96	Info Tech Fees	8,392.00	699.33	699.33	7,692.67	8.33
317-000-010-576-80-41-98	Facilities Fees	7,764.00	647.00	647.00	7,117.00	8.33
317-000-010-576-80-41-99	Admin Fee	8,583.00	715.25	715.25	7,867.75	8.33
	Park Facilities	148,614.00	12,353.39	12,353.39	136,260.61	8.31
317-000-010-594-76-63-03	Cadman Pit Master Plan	40,000.00	0.00	0.00	40,000.00	0.00
317-000-010-594-76-63-05	Skatepark Improvements	270,000.00	0.00	0.00	270,000.00	0.00
317-000-010-594-76-63-06	Lk Tye Park Bldg Upgrade	230,000.00	0.00	0.00	230,000.00	0.00
317-000-010-594-76-63-12	Ballfield Netting & Fencing	15,000.00	0.00	0.00	15,000.00	0.00
317-000-010-594-76-63-14	Lk Tye Park Bldg Upgrade Desig	20,000.00	0.00	0.00	20,000.00	0.00
317-000-010-594-76-63-15	Fairfield Park Entry Realignmt	15,000.00	0.00	0.00	15,000.00	0.00
	Capital Expenditures	590,000.00	0.00	0.00	590,000.00	0.00
010	Parks & Recreation	738,614.00	12,353.39	12,353.39	726,260.61	1.67
317	Parks CIP Fund	738,614.00	12,353.39	12,353.39	726,260.61	1.67

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
318	Streets CIP Fund					
318-000-120-543-10-10-00	Streets CIP Salaries	174,043.00	10,906.62	10,906.62	163,136.38	6.27
318-000-120-543-10-21-00	Streets CIP Social Security	10,791.00	658.47	658.47	10,132.53	6.10
318-000-120-543-10-22-00	Streets CIP Medicare	2,524.00	153.98	153.98	2,370.02	6.10
318-000-120-543-10-23-00	Streets CIP Retirement	19,458.00	1,219.36	1,219.36	18,238.64	6.27
318-000-120-543-10-24-00	Streets CIP L&I	4,294.00	192.77	192.77	4,101.23	4.49
318-000-120-543-10-25-00	Streets CIP Insurance	42,992.00	2,540.99	2,540.99	40,451.01	5.91
318-000-120-543-10-26-00	Streets CIP Def CompPlan 401A	4,174.00	275.46	275.46	3,898.54	6.60
318-000-120-543-10-27-00	Streets CIP Flex Service Charg	0.00	0.59	0.59	-0.59	0.00
318-000-120-543-10-27-02	Streets CIP RHS	730.00	121.57	121.57	608.43	16.65
318-000-120-543-10-27-04	Streets CIP Pension Trust	2,598.00	76.26	76.26	2,521.74	2.94
318-000-120-543-10-43-00	Travel	0.00	713.50	713.50	-713.50	0.00
	Street Admin & Overhead	261,604.00	16,859.57	16,859.57	244,744.43	6.44
318-000-120-595-10-41-95	Advertising	100.00	0.00	0.00	100.00	0.00
318-000-120-595-10-65-00	Capital Construction Projects	6,280,000.00	21.18	21.18	6,279,978.82	0.00
	Street Construction & Infrastr	6,280,100.00	21.18	21.18	6,280,078.82	0.00
318-000-120-543-10-41-96	Info Tech Fees	11,988.00	999.00	999.00	10,989.00	8.33
318-000-120-543-10-41-98	Facilities IS Fees	14,911.00	1,242.58	1,242.58	13,668.42	8.33
318-000-120-543-10-41-99	Admin Fee	49,942.00	4,078.50	4,078.50	45,863.50	8.17
	Intergovernmental Payments	76,841.00	6,320.08	6,320.08	70,520.92	8.22
120	Design & Construction	6,618,545.00	23,200.83	23,200.83	6,595,344.17	0.35
318	Streets CIP Fund	6,618,545.00	23,200.83	23,200.83	6,595,344.17	0.35

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
319	North Kelsey Development					
319-000-120-594-61-41-01	N Kelsey Attorney Fees	25,000.00	0.00	0.00	25,000.00	0.00
319-000-120-594-61-63-00	Capital Construction Costs	720,000.00	0.00	0.00	720,000.00	0.00
	Capital Expenditures	745,000.00	0.00	0.00	745,000.00	0.00
319-000-120-597-00-01-00	Trf Out 203 Fund	95,000.00	0.00	0.00	95,000.00	0.00
	Transfers Out	95,000.00	0.00	0.00	95,000.00	0.00
319-000-120-594-61-41-99	Admin Fee	1,009.00	84.08	84.08	924.92	8.33
	Intergovernmental Payments	<u>1,009.00</u>	<u>84.08</u>	<u>84.08</u>	<u>924.92</u>	<u>8.33</u>
120	Design & Construction	841,009.00	84.08	84.08	840,924.92	0.01
319	North Kelsey Development	841,009.00	84.08	84.08	840,924.92	0.01

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
411	Water Maintenance & Operations					
411-000-110-534-80-10-00	Water Salaries-PlanPermit	37,790.00	265.20	265.20	37,524.80	0.70
411-000-110-534-80-21-00	Water PIPerm Social Security	2,298.00	15.90	15.90	2,282.10	0.69
411-000-110-534-80-22-00	Water PIPerm Medicare	537.00	3.73	3.73	533.27	0.69
411-000-110-534-80-23-00	Water PIPerm Retirement	4,143.00	29.65	29.65	4,113.35	0.72
411-000-110-534-80-24-00	Water PIPerm L&I	1,024.00	1.09	1.09	1,022.91	0.11
411-000-110-534-80-25-00	Water PIPerm Insurance	10,083.00	75.59	75.59	10,007.41	0.75
411-000-110-534-80-26-00	Water PIPerm Defer Comp 401	1,094.00	0.00	0.00	1,094.00	0.00
411-000-110-534-80-27-02	Water PIPerm RHS	144.00	2.65	2.65	141.35	1.84
411-000-110-534-80-27-04	Water PIPerm Pension Trust	404.00	4.77	4.77	399.23	1.18
411-000-110-534-80-49-01	Tuition & Registration	300.00	0.00	0.00	300.00	0.00
	Water Utilities	57,817.00	398.58	398.58	57,418.42	0.69
110	Planning & Permitting	57,817.00	398.58	398.58	57,418.42	0.69
411-000-120-534-80-10-00	Water Salaries-DesignConstr	12,459.00	3,405.24	3,405.24	9,053.76	27.33
411-000-120-534-80-21-00	Water DesCon Social Security	758.00	206.11	206.11	551.89	27.19
411-000-120-534-80-22-00	Water DesCon Medicare	177.00	48.21	48.21	128.79	27.24
411-000-120-534-80-23-00	Water DesCon Retirement	1,366.00	380.69	380.69	985.31	27.87
411-000-120-534-80-24-00	Water DesCon L&I	176.00	59.26	59.26	116.74	33.67
411-000-120-534-80-25-00	Water DesCon Insurance	2,009.00	678.12	678.12	1,330.88	33.75
411-000-120-534-80-26-00	Water DesCon Defer Comp 401	367.00	88.14	88.14	278.86	24.02
411-000-120-534-80-27-00	Water DesCon Flex Service Chg	0.00	0.39	0.39	-0.39	0.00
411-000-120-534-80-27-02	Water DesCon RHS	126.00	36.46	36.46	89.54	28.94
411-000-120-534-80-27-04	Water DesCon Pension Trust	0.00	19.07	19.07	-19.07	0.00
411-000-120-534-80-31-01	Safety Supplies	0.00	40.96	40.96	-40.96	0.00
411-000-120-534-80-31-09	Water D&C Other Supplies	655.00	0.00	0.00	655.00	0.00
411-000-120-534-80-35-00	Small Tools & Equipment	1,800.00	0.00	0.00	1,800.00	0.00
411-000-120-534-80-42-00	Phones	921.00	67.32	67.32	853.68	7.31
411-000-120-534-80-42-01	Postage	100.00	0.00	0.00	100.00	0.00
411-000-120-534-80-43-09	Water Design Const Travel	525.00	0.00	0.00	525.00	0.00
411-000-120-534-80-49-01	Tuition & Registration	2,196.00	0.00	0.00	2,196.00	0.00
411-000-120-534-80-49-02	Organization Dues	200.00	0.00	0.00	200.00	0.00
	Water Utilities	23,835.00	5,029.97	5,029.97	18,805.03	21.10
120	Design & Construction	23,835.00	5,029.97	5,029.97	18,805.03	21.10
411-000-130-534-10-53-02	Water Utility Tax	210,000.00	17,197.36	17,197.36	192,802.64	8.19

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
411-000-130-534-50-34-01	Water Meters - New	57,937.00	36.98	36.98	57,900.02	0.06
411-000-130-534-50-34-02	Water Meters - Retrofit	20,000.00	2,605.47	2,605.47	17,394.53	13.03
411-000-130-534-80-10-00	Water Salaries	473,322.00	42,098.88	42,098.88	431,223.12	8.89
411-000-130-534-80-10-01	Water Seasonal Salaries	7,210.00	0.00	0.00	7,210.00	0.00
411-000-130-534-80-11-00	Water Overtime	21,780.00	657.16	657.16	21,122.84	3.02
411-000-130-534-80-21-00	Water Social Security	29,228.00	2,555.46	2,555.46	26,672.54	8.74
411-000-130-534-80-21-01	Water Seasonals Soc Sec	438.00	0.00	0.00	438.00	0.00
411-000-130-534-80-22-00	Water Medicare	7,115.00	597.62	597.62	6,517.38	8.40
411-000-130-534-80-22-01	Water Seasonals Medicare	103.00	0.00	0.00	103.00	0.00
411-000-130-534-80-23-00	Water Retirement	54,858.00	4,220.90	4,220.90	50,637.10	7.69
411-000-130-534-80-24-00	Water L&I	14,850.00	814.22	814.22	14,035.78	5.48
411-000-130-534-80-24-01	Water Seasonals L&I	802.00	0.00	0.00	802.00	0.00
411-000-130-534-80-25-00	Water Insurance	128,794.00	9,776.05	9,776.05	119,017.95	7.59
411-000-130-534-80-26-00	Water Deferred CompPlan 401A	9,323.00	723.14	723.14	8,599.86	7.76
411-000-130-534-80-27-00	Water Flex Service Charge	0.00	5.15	5.15	-5.15	0.00
411-000-130-534-80-27-01	Water Seasonal Pension Trust	265.00	0.00	0.00	265.00	0.00
411-000-130-534-80-27-02	Water RHS	748.00	364.29	364.29	383.71	48.70
411-000-130-534-80-27-04	Water Pension Trust	10,865.00	563.47	563.47	10,301.53	5.19
411-000-130-534-80-31-01	Water Office Supplies	1,500.00	55.06	55.06	1,444.94	3.67
411-000-130-534-80-31-03	Water Safety Clothing	3,000.00	3,388.89	3,388.89	-388.89	112.96
411-000-130-534-80-31-08	Water HazardSafety Supplies	1,500.00	474.22	474.22	1,025.78	31.61
411-000-130-534-80-31-09	Water Other Supplies	35,000.00	1,655.61	1,655.61	33,344.39	4.73
411-000-130-534-80-33-01	Water Purchased for Resale	1,282,063.00	0.00	0.00	1,282,063.00	0.00
411-000-130-534-80-35-09	Water Small Tools & Equipment	10,500.00	0.00	0.00	10,500.00	0.00
411-000-130-534-80-35-10	GIS Supplies & Equipment	2,000.00	0.00	0.00	2,000.00	0.00
411-000-130-534-80-41-01	Water Quality Lab Testing	6,500.00	336.08	336.08	6,163.92	5.17
411-000-130-534-80-41-03	Water Conservation	1,000.00	0.00	0.00	1,000.00	0.00
411-000-130-534-80-41-09	Water Professional Services	15,000.00	0.00	0.00	15,000.00	0.00
411-000-130-534-80-42-01	Water Phones	12,000.00	197.56	197.56	11,802.44	1.65
411-000-130-534-80-42-02	Water Postage	8,000.00	0.00	0.00	8,000.00	0.00
411-000-130-534-80-43-09	Water Travel	1,000.00	0.00	0.00	1,000.00	0.00
411-000-130-534-80-46-01	Water Liability Insurance	63,893.00	61,441.00	61,441.00	2,452.00	96.16
411-000-130-534-80-48-08	Water Hydrant Repairs	10,000.00	0.00	0.00	10,000.00	0.00
411-000-130-534-80-48-09	Water Repairs & Maintenance	83,794.00	2,044.22	2,044.22	81,749.78	2.44
411-000-130-534-80-49-00	Training Tuition Registration	5,000.00	42.00	42.00	4,958.00	0.84
411-000-130-534-80-49-02	Water Organization Dues	2,000.00	0.00	0.00	2,000.00	0.00
411-000-130-534-80-49-09	Water Misc Expenses	25,000.00	1,620.13	1,620.13	23,379.87	6.48
	Water Utilities	2,616,388.00	153,470.92	153,470.92	2,462,917.08	5.87
411-000-130-591-34-72-00	2005 Bond Principal 19%	54,910.00	0.00	0.00	54,910.00	0.00
411-000-130-591-34-78-00	PWTF 02-691-035 Principal	135,145.00	0.00	0.00	135,145.00	0.00
411-000-130-591-34-78-01	PWTF 97-791-026 Principal	62,795.00	0.00	0.00	62,795.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
	Long-Term Debt Redemption	252,850.00	0.00	0.00	252,850.00	0.00
411-000-130-591-34-72-01	2011 Bond Principal	192,200.00	0.00	0.00	192,200.00	0.00
411-000-130-592-34-83-00	PWFT 02-691-035 Interest	18,920.00	0.00	0.00	18,920.00	0.00
411-000-130-592-34-83-01	2005 Bond Interest 19%	23,151.00	0.00	0.00	23,151.00	0.00
411-000-130-592-34-83-02	2011 Bonds Interest 31%	168,898.00	0.00	0.00	168,898.00	0.00
411-000-130-592-34-83-04	PWFT 97-791-026 Interest	3,768.00	0.00	0.00	3,768.00	0.00
	Interest & Debt Service Costs	406,937.00	0.00	0.00	406,937.00	0.00
411-000-130-597-34-00-00	Transfer Out Sick Leave Reserv	8,823.00	0.00	0.00	8,823.00	0.00
	Transfers Out	8,823.00	0.00	0.00	8,823.00	0.00
411-000-130-534-80-41-96	Info Tech IS Fee	20,885.00	1,740.42	1,740.42	19,144.58	8.33
411-000-130-534-80-41-97	Vehicle & Equip IS Fee	350,426.00	29,202.17	29,202.17	321,223.83	8.33
411-000-130-534-80-41-98	Facilities IS Fee	64,701.00	5,391.75	5,391.75	59,309.25	8.33
411-000-130-534-80-41-99	Admin Fee	109,262.00	9,105.17	9,105.17	100,156.83	8.33
	Intergovernmental Payments	545,274.00	45,439.51	45,439.51	499,834.49	8.33
130	Operations	3,830,272.00	198,910.43	198,910.43	3,631,361.57	5.19
411-000-190-525-10-10-00	Emerg Mgt Salaries	3,384.00	0.00	0.00	3,384.00	0.00
411-000-190-525-10-21-00	Emerg Mgt Social Security	1,194.00	0.00	0.00	1,194.00	0.00
411-000-190-525-10-41-95	Emerg Mgt Advertising	200.00	0.00	0.00	200.00	0.00
411-000-190-525-10-41-96	Emerg Mgt Info Tech Fee	9,891.00	824.25	824.25	9,066.75	8.33
411-000-190-525-10-41-97	Emerg Mgt FleetEquip IS Fee	2,060.00	171.67	171.67	1,888.33	8.33
411-000-190-525-10-41-98	Emerg Mgt Facilities IS Fee	221.00	18.42	18.42	202.58	8.33
411-000-190-525-10-42-01	Emerg Mgt Cell Phones	225.00	67.62	67.62	157.38	30.05
411-000-190-525-10-42-03	Emerg Mgt Satellite Phone	225.00	0.00	0.00	225.00	0.00
411-000-190-525-10-42-05	Emerg Mgt ISP Wireless	264.00	90.02	90.02	173.98	34.10
411-000-190-525-10-43-09	Emerg Mgt Travel	120.00	0.00	0.00	120.00	0.00
411-000-190-525-60-31-09	Emerg Mgt Preparedness Supplie	1,250.00	0.00	0.00	1,250.00	0.00
411-000-190-525-60-35-08	Emerg Mgt Contracted Services	5,313.00	0.00	0.00	5,313.00	0.00
411-000-190-594-25-64-00	Emerg Mgt Equipment	500.00	0.00	0.00	500.00	0.00
	Emergency Services	24,847.00	1,171.98	1,171.98	23,675.02	4.72
190	Emergency Management	24,847.00	1,171.98	1,171.98	23,675.02	4.72
411	Water Maintenance & Operations	3,936,771.00	205,510.96	205,510.96	3,731,260.04	5.22

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
412	Water Capital Projects					
412-000-120-534-10-10-00	Water CIP Salaries	177,928.00	11,230.77	11,230.77	166,697.23	6.31
412-000-120-534-10-21-00	Water CIP Social Security	11,032.00	678.36	678.36	10,353.64	6.15
412-000-120-534-10-22-00	Water CIP Medicare	2,580.00	158.67	158.67	2,421.33	6.15
412-000-120-534-10-23-00	Water CIP Retirement	19,892.00	1,255.62	1,255.62	18,636.38	6.31
412-000-120-534-10-24-00	Water CIP L&I	4,425.00	200.74	200.74	4,224.26	4.54
412-000-120-534-10-25-00	Water CIP Insurance	43,904.00	2,615.62	2,615.62	41,288.38	5.96
412-000-120-534-10-26-00	Water CIP Def CompPlan 401A	4,946.00	284.19	284.19	4,661.81	5.75
412-000-120-534-10-27-00	Water CIP Flex Service Charge	0.00	0.60	0.60	-0.60	0.00
412-000-120-534-10-27-02	Water CIP RHS	787.00	126.27	126.27	660.73	16.04
412-000-120-534-10-27-04	Water CIP Pension Trust	1,942.00	76.28	76.28	1,865.72	3.93
	Water Utilities	267,436.00	16,627.12	16,627.12	250,808.88	6.22
412-000-120-594-34-65-00	Capital Construction Projects	4,057,000.00	0.00	0.00	4,057,000.00	0.00
412-000-120-594-34-65-01	Sky Meadows Capital Projects	30,000.00	0.00	0.00	30,000.00	0.00
	Capital Expenditures	4,087,000.00	0.00	0.00	4,087,000.00	0.00
412-000-120-534-10-41-98	Facilities IS Fees	15,352.00	1,279.33	1,279.33	14,072.67	8.33
412-000-120-534-10-41-99	Admin Fee	27,054.00	2,254.50	2,254.50	24,799.50	8.33
	Intergovernmental Payments	42,406.00	3,533.83	3,533.83	38,872.17	8.33
120	Design & Construction	4,396,842.00	20,160.95	20,160.95	4,376,681.05	0.46
412	Water Capital Projects	4,396,842.00	20,160.95	20,160.95	4,376,681.05	0.46

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
421	Sewer Maintenance & Operations					
421-000-110-535-80-10-00	Sewer Salaries-PlanPermit	36,689.00	265.20	265.20	36,423.80	0.72
421-000-110-535-80-21-00	Sewer PIPerm Social Security	2,275.00	15.91	15.91	2,259.09	0.70
421-000-110-535-80-22-00	Sewer PIPerm Medicare	532.00	3.72	3.72	528.28	0.70
421-000-110-535-80-23-00	Sewer PIPerm Retirement	4,102.00	29.65	29.65	4,072.35	0.72
421-000-110-535-80-24-00	Sewer PIPerm L&I	1,014.00	1.07	1.07	1,012.93	0.11
421-000-110-535-80-25-00	Sewer PIPerm Insurance	8,898.00	75.60	75.60	8,822.40	0.85
421-000-110-535-80-26-00	Sewer PIPerm Defer Comp 401	1,083.00	0.00	0.00	1,083.00	0.00
421-000-110-535-80-27-02	Sewer PIPerm RHS	143.00	2.65	2.65	140.35	1.85
421-000-110-535-80-27-04	Sewer PIPerm Pension Trust	400.00	4.77	4.77	395.23	1.19
	Sewer Utilities	55,136.00	398.57	398.57	54,737.43	0.72
110	Planning & Permitting	55,136.00	398.57	398.57	54,737.43	0.72
421-000-120-535-80-10-00	Sewer Salaries-DesignConstr	12,096.00	3,405.24	3,405.24	8,690.76	28.15
421-000-120-535-80-21-00	Sewer DesCon Social Security	750.00	206.11	206.11	543.89	27.48
421-000-120-535-80-22-00	Sewer DesCon Medicare	1,750.00	48.20	48.20	1,701.80	2.75
421-000-120-535-80-23-00	Sewer DesCon Retirement	1,352.00	380.70	380.70	971.30	28.16
421-000-120-535-80-24-00	Sewer DesCon L&I	174.00	59.29	59.29	114.71	34.07
421-000-120-535-80-25-00	Sewer DesCon Insurance	1,989.00	678.16	678.16	1,310.84	34.10
421-000-120-535-80-26-00	Sewer DesCon Defer Comp 401	363.00	88.11	88.11	274.89	24.27
421-000-120-535-80-27-00	Sewer DesCon Flex Service Chg	0.00	0.39	0.39	-0.39	0.00
421-000-120-535-80-27-02	Sewer DesCon RHS	125.00	36.47	36.47	88.53	29.18
421-000-120-535-80-27-04	Sewer DesCon Pension Trust	0.00	19.05	19.05	-19.05	0.00
421-000-120-535-80-31-00	Office & Operating Supplies	655.00	12.85	12.85	642.15	1.96
421-000-120-535-80-31-01	Safety Supplies	0.00	40.96	40.96	-40.96	0.00
421-000-120-535-80-35-00	Small Tools & Equipment	1,800.00	0.00	0.00	1,800.00	0.00
421-000-120-535-80-42-00	Phones	920.00	67.31	67.31	852.69	7.32
421-000-120-535-80-43-00	Travel	525.00	0.00	0.00	525.00	0.00
421-000-120-535-80-49-01	Tuition & Registration	2,196.00	0.00	0.00	2,196.00	0.00
	Sewer Utilities	24,695.00	5,042.84	5,042.84	19,652.16	20.42
421-000-120-589-00-00-00	Recovery Contract Payments	0.00	16,657.34	16,657.34	-16,657.34	0.00
	Other Nonexpenditures	0.00	16,657.34	16,657.34	-16,657.34	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
120	Design & Construction	24,695.00	21,700.18	21,700.18	2,994.82	87.87
421-000-130-535-10-53-02	Sewer State Excise Tax	150,000.00	11,832.80	11,832.80	138,167.20	7.89
421-000-130-535-50-48-04	Sewer Collection Repairs	70,000.00	1,171.67	1,171.67	68,828.33	1.67
421-000-130-535-60-48-06	Sewer Biosolids Management	105,000.00	0.00	0.00	105,000.00	0.00
421-000-130-535-80-10-00	Sewer Salaries-Operations	368,148.00	33,737.53	33,737.53	334,410.47	9.16
421-000-130-535-80-10-01	Sewer Seasonal Salaries	7,000.00	0.00	0.00	7,000.00	0.00
421-000-130-535-80-11-00	Sewer Overtime	8,000.00	614.88	614.88	7,385.12	7.69
421-000-130-535-80-21-00	Sewer Social Security	23,485.00	2,058.37	2,058.37	21,426.63	8.76
421-000-130-535-80-21-01	Sewer Seasonal Soc Sec	434.00	0.00	0.00	434.00	0.00
421-000-130-535-80-22-00	Sewer Medicare	5,493.00	481.43	481.43	5,011.57	8.76
421-000-130-535-80-22-01	Sewer Seasonal Medicare	101.00	0.00	0.00	101.00	0.00
421-000-130-535-80-23-00	Sewer Retirement	42,349.00	3,281.45	3,281.45	39,067.55	7.75
421-000-130-535-80-24-00	Sewer L&I	11,539.00	595.23	595.23	10,943.77	5.16
421-000-130-535-80-24-01	Sewer Seasonal L&I	794.00	0.00	0.00	794.00	0.00
421-000-130-535-80-25-00	Sewer Insurance	104,626.00	7,691.87	7,691.87	96,934.13	7.35
421-000-130-535-80-26-00	Sewer Deferred CompPlan 401A	10,421.00	549.44	549.44	9,871.56	5.27
421-000-130-535-80-27-00	Sewer Flex Service Charge	0.00	2.44	2.44	-2.44	0.00
421-000-130-535-80-27-01	Sewer Seasonal Pension Trust	263.00	0.00	0.00	263.00	0.00
421-000-130-535-80-27-02	Sewer RHS	604.00	282.18	282.18	321.82	46.72
421-000-130-535-80-27-04	Sewer Pension Trust	5,714.00	442.60	442.60	5,271.40	7.75
421-000-130-535-80-31-03	Sewer Safety Clothing	8,000.00	3,498.71	3,498.71	4,501.29	43.73
421-000-130-535-80-31-07	Sewer De-Watering Supplies	20,000.00	0.00	0.00	20,000.00	0.00
421-000-130-535-80-31-08	Sewer HazardSafety Supplies	10,000.00	368.40	368.40	9,631.60	3.68
421-000-130-535-80-31-09	Sewer Other Supplies	25,000.00	335.31	335.31	24,664.69	1.34
421-000-130-535-80-31-12	Sewer Chlorine Chemicals	120,000.00	6,672.91	6,672.91	113,327.09	5.56
421-000-130-535-80-31-13	Sewer Cleaning & Sanitation	2,000.00	0.00	0.00	2,000.00	0.00
421-000-130-535-80-31-14	Sewer Lab Supplies	18,000.00	1,201.25	1,201.25	16,798.75	6.67
421-000-130-535-80-31-15	Sewer Lubricants	3,500.00	339.37	339.37	3,160.63	9.70
421-000-130-535-80-35-01	GIS Supplies & Equipment	2,500.00	0.00	0.00	2,500.00	0.00
421-000-130-535-80-35-09	Sewer Small Tools & Equipment	12,000.00	1,280.07	1,280.07	10,719.93	10.67
421-000-130-535-80-41-01	Sewer WWTP Testing	5,000.00	0.00	0.00	5,000.00	0.00
421-000-130-535-80-41-09	Sewer Professional Services	29,396.00	120.00	120.00	29,276.00	0.41
421-000-130-535-80-41-95	Sewer Advertising	500.00	0.00	0.00	500.00	0.00
421-000-130-535-80-42-01	Sewer Phones	11,000.00	784.22	784.22	10,215.78	7.13
421-000-130-535-80-42-02	Sewer Postage	7,000.00	0.00	0.00	7,000.00	0.00
421-000-130-535-80-43-09	Sewer Travel	4,000.00	0.00	0.00	4,000.00	0.00
421-000-130-535-80-46-01	Sewer Liability Insurance	312,964.00	273,444.00	273,444.00	39,520.00	87.37
421-000-130-535-80-47-50	Sewer NPDES Fees	44,000.00	7,156.08	7,156.08	36,843.92	16.26
421-000-130-535-80-48-07	Sewer Pre-treatment	1,000.00	0.00	0.00	1,000.00	0.00
421-000-130-535-80-48-09	Sewer Repairs & Maintenance	32,000.00	0.00	0.00	32,000.00	0.00
421-000-130-535-80-49-01	Sewer Organization Dues	1,000.00	441.00	441.00	559.00	44.10

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
421-000-130-535-80-49-02	Sewer Training	5,000.00	0.00	0.00	5,000.00	0.00
421-000-130-535-80-49-06	Sewer Subscriptions	350.00	0.00	0.00	350.00	0.00
421-000-130-535-80-49-09	Sewer Misc Expenses	20,000.00	1,800.13	1,800.13	18,199.87	9.00
421-000-130-535-80-49-10	Sewer PSCAA Permits	1,150.00	1,150.00	1,150.00	0.00	100.00
	Sewer Utilities	1,609,331.00	361,333.34	361,333.34	1,247,997.66	22.45
421-000-130-591-35-72-00	2005 Bonds Principal 81%	234,090.00	0.00	0.00	234,090.00	0.00
421-000-130-591-35-72-03	DOE L02000009 Principal	335,693.00	0.00	0.00	335,693.00	0.00
421-000-130-591-35-72-09	2009 Bonds Principal	345,000.00	0.00	0.00	345,000.00	0.00
421-000-130-591-35-78-00	DOE L0300021 Principal	71,171.00	35,452.32	35,452.32	35,718.68	49.81
	Long-Term Debt Redemption	985,954.00	35,452.32	35,452.32	950,501.68	3.60
421-000-130-591-35-72-06	2011 Bonds Principal - 60%	372,000.00	0.00	0.00	372,000.00	0.00
421-000-130-592-35-83-00	2005 Bonds Interest 81%	98,696.00	0.00	0.00	98,696.00	0.00
421-000-130-592-35-83-03	DOE L02000009 Interest	35,626.00	0.00	0.00	35,626.00	0.00
421-000-130-592-35-83-04	DOE L0300021 Interest	7,578.00	3,922.36	3,922.36	3,655.64	51.76
421-000-130-592-35-83-05	2011 Bonds Interest - 60%	326,899.00	0.00	0.00	326,899.00	0.00
421-000-130-592-35-83-09	2009 Bonds Interest	96,510.00	0.00	0.00	96,510.00	0.00
	Interest & Debt Service Costs	937,309.00	3,922.36	3,922.36	933,386.64	0.42
421-000-130-594-35-64-03	Sewer Computer Upgrade	1,000.00	0.00	0.00	1,000.00	0.00
	Capital Expenditures	1,000.00	0.00	0.00	1,000.00	0.00
421-000-130-597-35-00-00	Trf Out 621 Sick Leave Reserve	14,338.00	0.00	0.00	14,338.00	0.00
421-000-130-597-35-03-00	Transfer Out - Fund 422	2,000,000.00	0.00	0.00	2,000,000.00	0.00
	Transfers Out	2,014,338.00	0.00	0.00	2,014,338.00	0.00
421-000-130-535-80-41-96	Info Tech IS Fee	20,884.00	1,740.33	1,740.33	19,143.67	8.33
421-000-130-535-80-41-97	Vehicle & Equip IS Fee	313,082.00	26,090.17	26,090.17	286,991.83	8.33
421-000-130-535-80-41-98	Facilities IS Fee	358,962.00	29,913.50	29,913.50	329,048.50	8.33
421-000-130-535-80-41-99	Admin Fee	180,870.00	15,072.50	15,072.50	165,797.50	8.33
	Intergovernmental Payments	873,798.00	72,816.50	72,816.50	800,981.50	8.33
130	Operations	6,421,730.00	473,524.52	473,524.52	5,948,205.48	7.37
421-000-140-535-80-10-00	Sewer WWTP Salaries	459,369.00	38,364.48	38,364.48	421,004.52	8.35
421-000-140-535-80-10-01	WWTP Seasonal Salaries	25,000.00	0.00	0.00	25,000.00	0.00
421-000-140-535-80-11-00	Sewer WWTP Overtime	65,000.00	3,267.49	3,267.49	61,732.51	5.03
421-000-140-535-80-21-00	Sewer WWTP Soc Security	32,511.00	2,475.31	2,475.31	30,035.69	7.61
421-000-140-535-80-21-01	WWTP Seasonal Soc Security	1,550.00	0.00	0.00	1,550.00	0.00
421-000-140-535-80-22-00	Sewer WWTP Medicare	7,604.00	578.90	578.90	7,025.10	7.61
421-000-140-535-80-22-01	WWTP Seasonal Medicare	362.00	0.00	0.00	362.00	0.00
421-000-140-535-80-23-00	Sewer WWTP Retirement	58,624.00	4,496.36	4,496.36	54,127.64	7.67
421-000-140-535-80-23-01	WWTP Seasonal	2,795.00	0.00	0.00	2,795.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
	Retirement					
421-000-140-535-80-24-00	Sewer WWTP L&I	15,688.00	919.42	919.42	14,768.58	5.86
421-000-140-535-80-24-01	WWTP Seasonal L&I	1,891.00	0.00	0.00	1,891.00	0.00
421-000-140-535-80-25-00	Sewer WWTP Insurance	106,237.00	9,155.49	9,155.49	97,081.51	8.62
421-000-140-535-80-26-00	Sewer WWTP DeferComp 401	12,132.00	634.23	634.23	11,497.77	5.23
421-000-140-535-80-27-00	Sewer WWTP Flex Service Charge	0.00	7.80	7.80	-7.80	0.00
421-000-140-535-80-27-02	Sewer WWTP RHS	1,140.00	345.54	345.54	794.46	30.31
421-000-140-535-80-27-03	Sewer WWTP Seasonal Pen Trust	625.00	0.00	0.00	625.00	0.00
421-000-140-535-80-27-04	Sewer WWTP Pension Trust	5,720.00	518.45	518.45	5,201.55	9.06
	Sewer Utilities	<u>796,248.00</u>	<u>60,763.47</u>	<u>60,763.47</u>	<u>735,484.53</u>	<u>7.63</u>
140	WWTP	796,248.00	60,763.47	60,763.47	735,484.53	7.63
421-000-190-525-10-10-00	Emerg Mgt Salaries	3,384.00	0.00	0.00	3,384.00	0.00
421-000-190-525-10-21-00	Emerg Mgt Social Security	1,194.00	0.00	0.00	1,194.00	0.00
421-000-190-525-10-41-95	Emerg Mgt Advertising	200.00	0.00	0.00	200.00	0.00
421-000-190-525-10-41-96	Emerg Mgt Info Tech IS Fee	9,891.00	824.25	824.25	9,066.75	8.33
421-000-190-525-10-41-97	Emerg Mgt FleetEquip IS Fee	2,060.00	171.67	171.67	1,888.33	8.33
421-000-190-525-10-41-98	Emerg Mgt Facilities IS Fee	221.00	18.42	18.42	202.58	8.33
421-000-190-525-10-42-01	Emerg Mgt Cell Phones	225.00	0.00	0.00	225.00	0.00
421-000-190-525-10-42-03	Emerg Mgt Satellite Phone	225.00	0.00	0.00	225.00	0.00
421-000-190-525-10-42-05	Emerg Mgt ISP Wireless	264.00	0.00	0.00	264.00	0.00
421-000-190-525-10-43-09	Emerg Mgt Travel	120.00	0.00	0.00	120.00	0.00
421-000-190-525-60-31-09	Emerg Mgt Preparedness Supplie	1,250.00	0.00	0.00	1,250.00	0.00
421-000-190-525-60-35-08	Emerg Mgt Contracted Services	5,313.00	0.00	0.00	5,313.00	0.00
421-000-190-594-25-64-00	Emerg Mgt Equipment	500.00	0.00	0.00	500.00	0.00
	Emergency Services	<u>24,847.00</u>	<u>1,014.34</u>	<u>1,014.34</u>	<u>23,832.66</u>	<u>4.08</u>
190	Emergency Management	24,847.00	1,014.34	1,014.34	23,832.66	4.08
421	Sewer Maintenance & Operations	7,322,656.00	557,401.08	557,401.08	6,765,254.92	7.61

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
422	Sewer Capital Projects					
422-000-120-535-10-10-00	Sewer CIP Salaries	180,811.00	11,471.02	11,471.02	169,339.98	6.34
422-000-120-535-10-21-00	Sewer CIP Social Security	11,210.00	693.16	693.16	10,516.84	6.18
422-000-120-535-10-22-00	Sewer CIP Medicare	2,622.00	162.10	162.10	2,459.90	6.18
422-000-120-535-10-23-00	Sewer CIP Retirement	20,215.00	1,282.46	1,282.46	18,932.54	6.34
422-000-120-535-10-24-00	Sewer CIP L&I	4,311.00	193.88	193.88	4,117.12	4.50
422-000-120-535-10-25-00	Sewer CIP Insurance	43,829.00	2,609.50	2,609.50	41,219.50	5.95
422-000-120-535-10-26-00	Sewer CIP Def CompPlan 401a	5,033.00	292.37	292.37	4,740.63	5.81
422-000-120-535-10-27-00	Sewer CIP Flex Service Charge	0.00	0.58	0.58	-0.58	0.00
422-000-120-535-10-27-02	Sewer CIP RHS	787.00	126.30	126.30	660.70	16.05
422-000-120-535-10-27-04	Sewer CIP Pension Trust	1,942.00	76.27	76.27	1,865.73	3.93
	Sewer Utilities	270,760.00	16,907.64	16,907.64	253,852.36	6.24
422-000-120-594-35-65-00	Capital Construction Projects	3,545,000.00	0.00	0.00	3,545,000.00	0.00
	Capital Expenditures	3,545,000.00	0.00	0.00	3,545,000.00	0.00
422-000-120-535-80-41-96	Facilities IS Fees	15,352.00	1,279.33	1,279.33	14,072.67	8.33
422-000-120-535-80-41-99	Admin Fee	44,543.00	3,711.92	3,711.92	40,831.08	8.33
	Intergovernmental Payments	59,895.00	4,991.25	4,991.25	54,903.75	8.33
120	Design & Construction	3,875,655.00	21,898.89	21,898.89	3,853,756.11	0.57
422	Sewer Capital Projects	3,875,655.00	21,898.89	21,898.89	3,853,756.11	0.57

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
431	Stormwater Maint & Operations					
431-000-110-531-38-10-00	Storm Drain Salaries-PlanPerm	36,689.00	265.20	265.20	36,423.80	0.72
431-000-110-531-38-21-00	Storm Drain PIPerm Social Sec	2,275.00	15.90	15.90	2,259.10	0.70
431-000-110-531-38-22-00	Storm Drain PIPerm Medicare	532.00	3.71	3.71	528.29	0.70
431-000-110-531-38-23-00	Storm Drain PIPerm Retirement	4,102.00	29.65	29.65	4,072.35	0.72
431-000-110-531-38-24-00	Storm Drain PIPerm L&I	1,014.00	1.08	1.08	1,012.92	0.11
431-000-110-531-38-25-00	Storm Drain PIPerm Insurance	8,898.00	75.60	75.60	8,822.40	0.85
431-000-110-531-38-26-00	Storm Drain PIPerm Defer Comp	1,083.00	0.00	0.00	1,083.00	0.00
431-000-110-531-38-27-02	Storm Drain PIPerm RHS	143.00	2.66	2.66	140.34	1.86
431-000-110-531-38-27-04	Storm Drain PIPerm Pension Tr	400.00	4.77	4.77	395.23	1.19
	Storm Drain Utilities	55,136.00	398.57	398.57	54,737.43	0.72
110	Planning & Permitting	55,136.00	398.57	398.57	54,737.43	0.72
431-000-120-531-38-10-00	Storm Drain Salaries-DesignCo	12,096.00	3,243.23	3,243.23	8,852.77	26.81
431-000-120-531-38-21-00	Storm Drain DesCon Securi	750.00	196.16	196.16	553.84	26.15
431-000-120-531-38-22-00	Storm Drain DesCon Medicare	175.00	45.88	45.88	129.12	26.22
431-000-120-531-38-23-00	Storm Drain DesCon Retirement	1,352.00	362.59	362.59	989.41	26.82
431-000-120-531-38-24-00	Storm Drain DesCon L&I	174.00	55.32	55.32	118.68	31.79
431-000-120-531-38-25-00	Storm Drain DesCon Insurance	1,989.00	640.82	640.82	1,348.18	32.22
431-000-120-531-38-26-00	Storm Drain DesCon Defer Comp	363.00	83.75	83.75	279.25	23.07
431-000-120-531-38-27-00	Storm Drain DesCon Flex Serv	0.00	0.38	0.38	-0.38	0.00
431-000-120-531-38-27-02	Storm Drain DesCon RHS	125.00	34.12	34.12	90.88	27.30
431-000-120-531-38-27-04	Storm Drain DesCon Pension Tr	0.00	19.08	19.08	-19.08	0.00
431-000-120-531-38-31-00	Office & Operating Supplies	235.00	0.00	0.00	235.00	0.00
431-000-120-531-38-31-01	Safety Supplies	605.00	40.96	40.96	564.04	6.77
431-000-120-531-38-42-00	Phones	921.00	67.32	67.32	853.68	7.31
431-000-120-531-38-43-00	Travel	525.00	0.00	0.00	525.00	0.00
431-000-120-531-38-49-01	Tuition & Registration	2,196.00	11.42	11.42	2,184.58	0.52
	Storm Drain Utilities	21,506.00	4,801.03	4,801.03	16,704.97	22.32

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
120	Design & Construction	21,506.00	4,801.03	4,801.03	16,704.97	22.32
431-000-130-531-31-53-02	Storm Drain B&O Tax	20,000.00	1,659.13	1,659.13	18,340.87	8.30
431-000-130-531-35-53-06	French Creek Assessment	95,000.00	0.00	0.00	95,000.00	0.00
431-000-130-531-38-10-00	Storm Drain Salaries	375,101.00	30,532.33	30,532.33	344,568.67	8.14
431-000-130-531-38-10-01	Salaries - Seasonals	7,500.00	0.00	0.00	7,500.00	0.00
431-000-130-531-38-11-00	Storm Drain Overtime	8,000.00	438.58	438.58	7,561.42	5.48
431-000-130-531-38-21-00	Storm Drain Social Security	23,921.00	1,841.73	1,841.73	22,079.27	7.70
431-000-130-531-38-21-01	Social Security - Seasonals	465.00	0.00	0.00	465.00	0.00
431-000-130-531-38-22-00	Storm Drain Medicare	5,594.00	430.70	430.70	5,163.30	7.70
431-000-130-531-38-22-01	Storm Drain Medicare	108.00	0.00	0.00	108.00	0.00
431-000-130-531-38-23-00	Storm Drain Retirement	43,134.00	3,462.31	3,462.31	39,671.69	8.03
431-000-130-531-38-24-00	Storm Drain L&I	11,565.00	641.29	641.29	10,923.71	5.55
431-000-130-531-38-24-01	L&I - Seasonals	851.00	0.00	0.00	851.00	0.00
431-000-130-531-38-25-00	Storm Drain Insurance	100,074.00	8,125.24	8,125.24	91,948.76	8.12
431-000-130-531-38-26-00	Storm Drain Def CompPlan 401A	9,441.00	511.38	511.38	8,929.62	5.42
431-000-130-531-38-27-00	Storm Drain Flex Service Charg	0.00	5.75	5.75	-5.75	0.00
431-000-130-531-38-27-01	Storm Drain Seasonal Pen Trust	281.00	0.00	0.00	281.00	0.00
431-000-130-531-38-27-02	Storm Drain RHS	604.00	300.81	300.81	303.19	49.80
431-000-130-531-38-27-04	Storm Drain Pension Trust	5,726.00	467.35	467.35	5,258.65	8.16
431-000-130-531-38-31-03	Storm Drain Safety Clothing	1,800.00	1,800.00	1,800.00	0.00	100.00
431-000-130-531-38-31-08	Storm Drain HazardSafety Supp	2,000.00	0.00	0.00	2,000.00	0.00
431-000-130-531-38-31-09	Office & Operating Supplies	500.00	0.00	0.00	500.00	0.00
431-000-130-531-38-35-07	GIS Supplies & Equipment	2,200.00	0.00	0.00	2,200.00	0.00
431-000-130-531-38-35-09	Storm Drain Small Tools & Equi	15,000.00	0.00	0.00	15,000.00	0.00
431-000-130-531-38-41-01	Storm Drain Repairs & Maint	70,000.00	0.00	0.00	70,000.00	0.00
431-000-130-531-38-41-02	Storm Drain Vegetation Control	3,000.00	0.00	0.00	3,000.00	0.00
431-000-130-531-38-41-04	NPDES	24,000.00	0.00	0.00	24,000.00	0.00
431-000-130-531-38-41-09	Storm Drain Professional Servi	5,000.00	0.00	0.00	5,000.00	0.00
431-000-130-531-38-42-00	Phones	6,000.00	336.08	336.08	5,663.92	5.60
431-000-130-531-38-42-02	Storm Drain Postage	7,000.00	0.00	0.00	7,000.00	0.00
431-000-130-531-38-43-09	Storm Drain Travel	1,200.00	0.00	0.00	1,200.00	0.00
431-000-130-531-38-46-01	Storm Drain Liability Insuranc	24,294.00	28,282.00	28,282.00	-3,988.00	116.42
431-000-130-531-38-49-01	Storm MembershipDues	1,500.00	0.00	0.00	1,500.00	0.00
431-000-130-531-38-49-02	Storm Training	2,500.00	0.00	0.00	2,500.00	0.00
431-000-130-531-38-49-09	Storm Drain Misc Expenses	20,393.00	1,620.13	1,620.13	18,772.87	7.94

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
	Storm Drain Utilities	893,752.00	80,454.81	80,454.81	813,297.19	9.00
431-000-130-591-38-72-00	2011 Bond Principal - 9% Long-Term Debt Redemption	55,800.00 55,800.00	0.00 0.00	0.00 0.00	55,800.00 55,800.00	0.00 0.00
431-000-130-592-31-83-00	2011 Bond Interest - 9%	49,035.00	0.00	0.00	49,035.00	0.00
431-000-130-592-31-89-00	Bond Debt Service Costs Interest & Debt Service Costs	6,927.00 55,962.00	0.00 0.00	0.00 0.00	6,927.00 55,962.00	0.00 0.00
431-000-130-597-38-00-00	Transfer Out Sick Leave Reserv Transfers Out	7,720.00 7,720.00	0.00 0.00	0.00 0.00	7,720.00 7,720.00	0.00 0.00
431-000-130-531-38-41-96	Info Tech IS Fee	18,487.00	1,540.58	1,540.58	16,946.42	8.33
431-000-130-531-38-41-97	Vehicle & Equip IS Fee	248,940.00	20,745.00	20,745.00	228,195.00	8.33
431-000-130-531-38-41-98	Facilities IS Fee	54,113.00	4,509.42	4,509.42	49,603.58	8.33
431-000-130-531-38-41-99	Admin Fee Intergovernmental Payments	72,626.00 394,166.00	6,052.17 32,847.17	6,052.17 32,847.17	66,573.83 361,318.83	8.33 8.33
130	Operations	1,407,400.00	113,301.98	113,301.98	1,294,098.02	8.05
431-000-190-525-10-10-00	Emerg Mgt Salaries	3,384.00	0.00	0.00	3,384.00	0.00
431-000-190-525-10-21-00	Emerg Mgt Social Security	1,194.00	0.00	0.00	1,194.00	0.00
431-000-190-525-10-41-95	Emerg Mgt Advertising	200.00	0.00	0.00	200.00	0.00
431-000-190-525-10-41-96	Emerg Mgt Info Tech IS Fee	9,891.00	824.25	824.25	9,066.75	8.33
431-000-190-525-10-41-97	Emerg Mgt FleetEquip IS Fee	2,060.00	171.67	171.67	1,888.33	8.33
431-000-190-525-10-41-98	Emerg Mgt Facilities IS Fee	221.00	18.42	18.42	202.58	8.33
431-000-190-525-10-42-01	Emerg Mgt Cell Phones	225.00	0.00	0.00	225.00	0.00
431-000-190-525-10-42-03	Emerg Mgt Satellite Phone	225.00	0.00	0.00	225.00	0.00
431-000-190-525-10-42-05	Emerg Mgt ISP Wireless	264.00	0.00	0.00	264.00	0.00
431-000-190-525-10-43-09	Emerg Mgt Travel	120.00	0.00	0.00	120.00	0.00
431-000-190-525-60-31-09	Emerg Mgt Preparedness Supplie	1,250.00	0.00	0.00	1,250.00	0.00
431-000-190-525-60-35-08	Emerg Mgt Contracted Services	5,313.00	0.00	0.00	5,313.00	0.00
431-000-190-594-25-64-00	Emerg Mgt Equipment Emergency Services	500.00 24,847.00	0.00 1,014.34	0.00 1,014.34	500.00 23,832.66	0.00 4.08
190	Emergency Management	24,847.00	1,014.34	1,014.34	23,832.66	4.08
431	Stormwater Maint & Operations	1,508,889.00	119,515.92	119,515.92	1,389,373.08	7.92

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
432	Stormwater Capital Projects					
432-000-120-531-38-10-00	Storm CIP Salaries	174,043.00	10,906.63	10,906.63	163,136.37	6.27
432-000-120-531-38-21-00	Storm CIP Social Security	10,791.00	658.48	658.48	10,132.52	6.10
432-000-120-531-38-22-00	Storm CIP Medicare	2,524.00	154.00	154.00	2,370.00	6.10
432-000-120-531-38-23-00	Storm CIP Retirement	19,458.00	1,219.35	1,219.35	18,238.65	6.27
432-000-120-531-38-24-00	Storm CIP L&I	4,294.00	192.79	192.79	4,101.21	4.49
432-000-120-531-38-25-00	Storm CIP Insurance	42,992.00	2,540.91	2,540.91	40,451.09	5.91
432-000-120-531-38-26-00	Storm CIP Def CompPlan 401A	4,830.00	275.39	275.39	4,554.61	5.70
432-000-120-531-38-27-00	Storm CIP Flex Service Charge	0.00	0.58	0.58	-0.58	0.00
432-000-120-531-38-27-02	Storm CIP RHS	730.00	121.52	121.52	608.48	16.65
432-000-120-531-38-27-04	Storm CIP Pension Trust	1,942.00	76.24	76.24	1,865.76	3.93
	Storm Drain Utilities	261,604.00	16,145.89	16,145.89	245,458.11	6.17
432-000-120-531-38-41-98	Facilities IS Fees	14,911.00	1,242.58	1,242.58	13,668.42	8.33
432-000-120-531-38-41-99	Admin Fee	36,896.00	3,074.67	3,074.67	33,821.33	8.33
	Intergovernmental Payments	51,807.00	4,317.25	4,317.25	47,489.75	8.33
120	Design & Construction	313,411.00	20,463.14	20,463.14	292,947.86	6.53
432	Stormwater Capital Projects	313,411.00	20,463.14	20,463.14	292,947.86	6.53

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
441	Solid Waste Maint & Operations					
441-000-000-537-10-53-02	Solid Waste B&O Tax	48,858.00	4,077.20	4,077.20	44,780.80	8.34
441-000-000-537-10-53-03	Solid Waste Sales Tax	6,630.00	494.34	494.34	6,135.66	7.46
441-000-000-537-10-53-04	Solid Waste Refuse Tax	86,700.00	6,954.06	6,954.06	79,745.94	8.02
441-000-000-537-60-41-02	Solid Waste Contracted Service	3,063,600.00	246,571.47	246,571.47	2,817,028.53	8.05
441-000-000-537-60-47-03	Spring Cleanup	35,000.00	0.00	0.00	35,000.00	0.00
441-000-000-537-70-10-00	Solid Waste Salaries	60,018.00	4,800.17	4,800.17	55,217.83	8.00
441-000-000-537-70-21-00	Solid Waste Social Security	3,689.00	285.53	285.53	3,403.47	7.74
441-000-000-537-70-22-00	Solid Waste Medicare	863.00	66.76	66.76	796.24	7.74
441-000-000-537-70-23-00	Solid Waste Retirement	6,653.00	536.66	536.66	6,116.34	8.07
441-000-000-537-70-24-00	Solid Waste L&I	880.00	20.04	20.04	859.96	2.28
441-000-000-537-70-25-00	Solid Waste Insurance	17,211.00	1,398.54	1,398.54	15,812.46	8.13
441-000-000-537-70-26-00	Solid Waste Def CompPlan 401A	1,761.00	80.29	80.29	1,680.71	4.56
441-000-000-537-70-27-00	Solid Waste Flex Service Charg	0.00	0.70	0.70	-0.70	0.00
441-000-000-537-70-27-02	Solid Waste RHS	0.00	47.47	47.47	-47.47	0.00
441-000-000-537-70-27-04	Solid Waste Pension Trust	1,058.00	88.19	88.19	969.81	8.34
441-000-000-537-70-31-09	Solid Waste Supplies	50.00	0.00	0.00	50.00	0.00
441-000-000-537-70-41-09	Solid Waste Professional Servi	12,000.00	0.00	0.00	12,000.00	0.00
441-000-000-537-70-41-98	Facilities IS Fees	8,161.00	680.08	680.08	7,480.92	8.33
441-000-000-537-70-42-02	Solid Waste Postage	8,500.00	0.00	0.00	8,500.00	0.00
441-000-000-537-70-49-03	Solid Waste UB Lien Fees	750.00	0.00	0.00	750.00	0.00
441-000-000-537-70-49-09	Solid Waste Misc Expenses	18,000.00	1,620.15	1,620.15	16,379.85	9.00
	Solid Waste Utilities	3,380,382.00	267,721.65	267,721.65	3,112,660.35	7.92
441-000-000-537-70-41-96	Info Tech IS Fee	19,686.00	1,640.50	1,640.50	18,045.50	8.33
441-000-000-537-70-41-99	Admin Fee	43,465.00	3,622.08	3,622.08	39,842.92	8.33
	Intergovernmental Payments	63,151.00	5,262.58	5,262.58	57,888.42	8.33
000	Non-Departmental	3,443,533.00	272,984.23	272,984.23	3,170,548.77	7.93
441	Solid Waste Maint & Operations	3,443,533.00	272,984.23	272,984.23	3,170,548.77	7.93

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
450	Revenue Bond Debt Reserve					
450-000-000-597-41-10-00	Transfer Out 411 Fund	13,848.00	0.00	0.00	13,848.00	0.00
450-000-000-597-42-10-00	Transfer Out 421 Fund	42,684.00	0.00	0.00	42,684.00	0.00
450-000-000-597-43-10-00	Transfer Out 431 Fund	3,468.00	0.00	0.00	3,468.00	0.00
	Transfers Out	<u>60,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>60,000.00</u>	<u>0.00</u>
000	Non-Departmental	60,000.00	0.00	0.00	60,000.00	0.00
450	Revenue Bond Debt Reserve	60,000.00	0.00	0.00	60,000.00	0.00

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
510	Information & Tech Services					
510-000-000-518-88-10-00	ITS Salaries	84,345.00	7,085.60	7,085.60	77,259.40	8.40
510-000-000-518-88-11-00	ITS Overtime	5,000.00	0.00	0.00	5,000.00	0.00
510-000-000-518-88-21-00	ITS Social Security	4,866.00	434.22	434.22	4,431.78	8.92
510-000-000-518-88-22-00	ITS Medicare	1,138.00	101.55	101.55	1,036.45	8.92
510-000-000-518-88-23-00	ITS Retirement	8,775.00	792.19	792.19	7,982.81	9.03
510-000-000-518-88-24-00	ITS L&I	415.00	25.99	25.99	389.01	6.26
510-000-000-518-88-25-00	ITS Insurance	22,284.00	1,724.61	1,724.61	20,559.39	7.74
510-000-000-518-88-26-00	ITS Deferred CompPlan 401A	2,354.00	212.57	212.57	2,141.43	9.03
510-000-000-518-88-27-02	ITS RHS	1,412.00	114.00	114.00	1,298.00	8.07
510-000-000-518-88-31-00	ITS Office Supplies	0.00	485.79	485.79	-485.79	0.00
510-000-000-518-88-31-09	ITS Other Supplies	350.00	-17.32	-17.32	367.32	-4.95
510-000-000-518-88-35-00	Software Purchases	10,000.00	0.00	0.00	10,000.00	0.00
510-000-000-518-88-41-09	ITS Professional Services	120,000.00	4,402.75	4,402.75	115,597.25	3.67
510-000-000-518-88-41-10	ITS Printers & Copiers	40,000.00	0.00	0.00	40,000.00	0.00
510-000-000-518-88-41-11	ITS Equipment Repairs	1,500.00	0.00	0.00	1,500.00	0.00
510-000-000-518-88-41-12	ITS Network Hardware	40,000.00	0.00	0.00	40,000.00	0.00
510-000-000-518-88-41-13	ITS Computer Replacements	25,000.00	1,225.56	1,225.56	23,774.44	4.90
510-000-000-518-88-41-14	ITS Police Equipment	10,000.00	0.00	0.00	10,000.00	0.00
510-000-000-518-88-41-16	New World	2,500.00	0.00	0.00	2,500.00	0.00
510-000-000-518-88-41-18	ITS Licenses	30,000.00	149.99	149.99	29,850.01	0.50
510-000-000-518-88-41-24	Springbrook Annual Maintenance	25,000.00	18,611.87	18,611.87	6,388.13	74.45
510-000-000-518-88-41-26	ITS License & Maintenance PW	30,000.00	11,644.80	11,644.80	18,355.20	38.82
510-000-000-518-88-42-01	ITS Phones	1,600.00	425.40	425.40	1,174.60	26.59
510-000-000-518-88-42-02	ITS Phone Maintenance Contract	15,000.00	0.00	0.00	15,000.00	0.00
510-000-000-518-88-42-03	ITS Web HostingInternet Conn.	20,000.00	757.13	757.13	19,242.87	3.79
510-000-000-518-88-48-09	ITS Misc Repairs & Maint	4,500.00	0.00	0.00	4,500.00	0.00
510-000-000-518-88-49-02	ITS Tuition & Registration	600.00	299.00	299.00	301.00	49.83
510-000-000-518-88-49-06	ITS Subscriptions	40.00	0.00	0.00	40.00	0.00
	Central Services	506,679.00	48,475.70	48,475.70	458,203.30	9.57
510-000-000-518-88-41-98	Facilities IS Fee	9,264.00	772.00	772.00	8,492.00	8.33
510-000-000-518-88-41-99	Admin Fee	13,378.00	1,114.83	1,114.83	12,263.17	8.33
	Intergovernmental Payments	22,642.00	1,886.83	1,886.83	20,755.17	8.33
000	Non-Departmental	529,321.00	50,362.53	50,362.53	478,958.47	9.51
510	Information & Tech Services	529,321.00	50,362.53	50,362.53	478,958.47	9.51

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
520	Equipment & Fleet Management					
520-000-130-548-60-10-00	Equip Mgt Salaries	145,979.00	12,250.18	12,250.18	133,728.82	8.39
520-000-130-548-60-11-00	Fleet Equip Overtime	0.00	1,182.94	1,182.94	-1,182.94	0.00
520-000-130-548-60-21-00	Equip Mgt Social Security	9,050.00	801.76	801.76	8,248.24	8.86
520-000-130-548-60-22-00	Equip Mgt Medicare	2,117.00	187.51	187.51	1,929.49	8.86
520-000-130-548-60-23-00	Equip Mgt Retirement	16,320.00	1,492.17	1,492.17	14,827.83	9.14
520-000-130-548-60-24-00	Equip Mgt L&I	5,149.00	312.65	312.65	4,836.35	6.07
520-000-130-548-60-25-00	Equip Mgt Insurance	39,219.00	3,208.30	3,208.30	36,010.70	8.18
520-000-130-548-60-26-00	Equip Mgt Def CompPlan 401A	2,402.00	236.13	236.13	2,165.87	9.83
520-000-130-548-60-27-02	Equip Mgt RHS	0.00	110.89	110.89	-110.89	0.00
520-000-130-548-60-27-04	Equip Mgt Pension Trust	2,983.00	205.69	205.69	2,777.31	6.90
520-000-130-548-60-32-02	PD Fuel	62,000.00	32.96	32.96	61,967.04	0.05
520-000-130-548-60-32-04	Equip Mgt Gen Govt Fuel	42,000.00	0.00	0.00	42,000.00	0.00
520-000-130-548-60-32-06	Equip Mgt Streets Fuel	12,000.00	0.00	0.00	12,000.00	0.00
520-000-130-548-60-32-07	Equip Mgt Storm Fuel	20,000.00	0.00	0.00	20,000.00	0.00
520-000-130-548-60-32-08	Equip Mgt Sewer Fuel	22,000.00	0.00	0.00	22,000.00	0.00
520-000-130-548-60-32-09	Equip Mgt Water Fuel	20,000.00	0.00	0.00	20,000.00	0.00
520-000-130-548-60-35-00	Fleet Mgmt Hardware & Software	1,500.00	0.00	0.00	1,500.00	0.00
520-000-130-548-60-41-09	Equip Mgt PW Fleet Maintenance	122,000.00	11,341.33	11,341.33	110,658.67	9.30
520-000-130-548-60-41-98	Fleet & Equip Facilities Fees	18,528.00	1,544.00	1,544.00	16,984.00	8.33
520-000-130-548-60-44-00	Dyed Diesel Fuel User Tax	1,000.00	0.00	0.00	1,000.00	0.00
520-000-130-548-60-45-00	Equip Mgt Sewer RentalsLeases	7,500.00	0.00	0.00	7,500.00	0.00
520-000-130-548-60-45-07	Equip Mgt Streets RentsLeases	4,000.00	0.00	0.00	4,000.00	0.00
520-000-130-548-60-45-09	Equip Mgt Water RentsLeases	7,500.00	0.00	0.00	7,500.00	0.00
520-000-130-548-60-45-10	Equip Mgt Storm RentsLeases	4,000.00	0.00	0.00	4,000.00	0.00
520-000-130-548-60-48-01	PD Vehicle Repair & Maint	45,000.00	606.04	606.04	44,393.96	1.35
520-000-130-548-60-48-04	Equip Mgt Gen Gov Fleet Maint	25,000.00	1,432.65	1,432.65	23,567.35	5.73
	Vehicles & Equipment	637,247.00	34,945.20	34,945.20	602,301.80	5.48
520-000-130-594-18-64-00	Gen Gov Veh Equip Replacement	59,000.00	0.00	0.00	59,000.00	0.00
520-000-130-594-48-64-00	PW Veh Equip Replacement	313,200.00	0.00	0.00	313,200.00	0.00
	Capital Expenditures	372,200.00	0.00	0.00	372,200.00	0.00
520-000-130-548-60-41-99	Admin Fees	32,912.00	2,742.67	2,742.67	30,169.33	8.33
	Intergovernmental Payments	32,912.00	2,742.67	2,742.67	30,169.33	8.33

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
130	Operations	1,042,359.00	37,687.87	37,687.87	1,004,671.13	3.62
520	Equipment & Fleet Management	1,042,359.00	37,687.87	37,687.87	1,004,671.13	3.62

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
530	Facilities Management					
530-000-130-518-20-10-00	Facilities Salaries	206,239.00	16,695.17	16,695.17	189,543.83	8.10
530-000-130-518-20-11-00	Facilities Overtime	6,500.00	153.11	153.11	6,346.89	2.36
530-000-130-518-20-21-00	Facilities Social Security	13,190.00	1,002.80	1,002.80	12,187.20	7.60
530-000-130-518-20-22-00	Facilities Medicare	3,085.00	234.53	234.53	2,850.47	7.60
530-000-130-518-20-23-00	Facilities Retirement	23,784.00	1,883.39	1,883.39	21,900.61	7.92
530-000-130-518-20-24-00	Facilities L&I	7,887.00	459.63	459.63	7,427.37	5.83
530-000-130-518-20-25-00	Facilities Insurance	56,895.00	4,471.38	4,471.38	52,423.62	7.86
530-000-130-518-20-26-00	Facilities Def CompPlan 401A	5,710.00	326.51	326.51	5,383.49	5.72
530-000-130-518-20-27-02	Facilities RHS	3,500.00	152.78	152.78	3,347.22	4.37
530-000-130-518-20-27-04	Facilities Pension Trust	0.00	264.80	264.80	-264.80	0.00
530-000-130-518-20-31-08	Facilities HazardSafety Suppl	1,500.00	0.00	0.00	1,500.00	0.00
530-000-130-518-20-31-09	Facilities Other Supplies	2,000.00	0.00	0.00	2,000.00	0.00
530-000-130-518-20-31-14	Facilities Security & Alarms	12,000.00	0.00	0.00	12,000.00	0.00
530-000-130-518-20-31-15	Facilities R&M Supplies	80,000.00	3,363.29	3,363.29	76,636.71	4.20
530-000-130-518-20-31-17	Facilities HVAC	7,500.00	981.00	981.00	6,519.00	13.08
530-000-130-518-20-35-09	Facilities Small Tools & Equip	3,500.00	0.00	0.00	3,500.00	0.00
530-000-130-518-20-41-98	Facility Internal Service Fee	26,910.00	2,242.50	2,242.50	24,667.50	8.33
530-000-130-518-20-45-00	Rentals & Leases	2,500.00	0.00	0.00	2,500.00	0.00
530-000-130-518-20-47-00	PUDPSE City & Parks Facil.	53,000.00	550.71	550.71	52,449.29	1.04
530-000-130-518-20-47-01	PUDPSE Reservoirs & Pump Stat	34,000.00	807.30	807.30	33,192.70	2.37
530-000-130-518-20-47-02	PUDPSE WWTP & Lift Stations	205,000.00	20,205.12	20,205.12	184,794.88	9.86
530-000-130-518-20-47-03	Water, Sewer & Garbage	175,000.00	0.00	0.00	175,000.00	0.00
530-000-130-518-20-47-04	PUDPSE Streets	120,000.00	0.00	0.00	120,000.00	0.00
530-000-130-518-20-47-06	PUDPSE Storm	11,000.00	550.71	550.71	10,449.29	5.01
530-000-130-518-20-48-01	Facilities WWTP Repairs	35,000.00	326.70	326.70	34,673.30	0.93
530-000-130-518-20-48-05	WWTP Pump Station Repair	12,000.00	0.00	0.00	12,000.00	0.00
530-000-130-518-20-49-10	Facilities Misc Expenses	1,800.00	0.00	0.00	1,800.00	0.00
530-000-130-518-30-31-00	Custodial & Cleaning Supplies	10,000.00	0.00	0.00	10,000.00	0.00
530-000-130-518-30-41-05	Custodial & Cleaning Services	52,000.00	0.00	0.00	52,000.00	0.00
	Central Services	1,171,500.00	54,671.43	54,671.43	1,116,828.57	4.67
530-000-130-518-20-41-99	Admin Fee	39,064.00	3,255.33	3,255.33	35,808.67	8.33
	Intergovernmental Payments	39,064.00	3,255.33	3,255.33	35,808.67	8.33
130	Operations	1,210,564.00	57,926.76	57,926.76	1,152,637.24	4.79
530	Facilities Management	1,210,564.00	57,926.76	57,926.76	1,152,637.24	4.79

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
623	Transportation Benefit Dist					
623-000-000-543-30-41-00	TBD State Auditor Fees	20,000.00	0.00	0.00	20,000.00	0.00
623-000-000-543-30-46-00	TBD Liability Insurance	2,500.00	2,500.00	2,500.00	0.00	100.00
	Street Admin & Overhead	22,500.00	2,500.00	2,500.00	20,000.00	11.11
623-000-000-597-00-00-00	Transfers Out	700,000.00	0.00	0.00	700,000.00	0.00
	Transfers Out	700,000.00	0.00	0.00	700,000.00	0.00
000	Non-Departmental	722,500.00	2,500.00	2,500.00	720,000.00	0.35
623	Transportation Benefit Dist	722,500.00	2,500.00	2,500.00	720,000.00	0.35

Account Number	Description	Budget	Current Month	Year-to-Date	Available	% Expended
631	Agency Fund					
631-000-000-586-00-00-00	Sales Tax payable to State	0.00	243.33	243.33	-243.33	0.00
		<u>0.00</u>	<u>243.33</u>	<u>243.33</u>	<u>-243.33</u>	<u>0.00</u>
000	Non-Departmental	0.00	243.33	243.33	-243.33	0.00
631	Agency Fund	0.00	243.33	243.33	-243.33	0.00



MONROE THIS WEEK

Edition 6 February 12, 2016



Mayor

Geoffrey Thomas
gthomas@monroewa.gov

Councilmembers

Patsy Cudaback
Kevin Hanford
Ed Davis
Jason Gamble
Jim Kamp
Jeff Rasmussen
Kirk Scarboro
councilmembers@monroewa.gov

City Hall

806 West Main Street
Monroe, WA 98272
Phone: 360.794.7400
Open 8AM – 5PM, M-F

Appointment Openings

No Openings At This Time

Job Openings

Construction Inspector
Public Works O&M Seasonal Laborer
Seasonal Parks

Events this Week

- 02/15** *President's Day*
CITY HALL CLOSED
- 02/16** *City Council*
Transportation/Planning, Public Works, Parks & Recreation, and Public Safety Committee Meeting, Permit Center, City Hall, 6PM

City Council Meeting, Council Chambers, City Hall, 7PM
- 02/23** *City Council Meeting*
Council Chambers
City Hall, 7PM

From the Office of Mayor Thomas

To highlight some of the things going on in our community, I am writing this weekly city update, "Monroe This Week. If you have any suggestions or questions regarding "Monroe This Week" or the stories below, please contact me at GThomas@MonroeWa.gov.

Yours in Service,

Mayor Geoffrey Thomas

Be In The Know!

SR522 Update

I am pleased to write there are three items to report on SR-522 from this week:

- On Wednesday, February 10, 2016, Councilmember Cudaback, Councilmember Scarboro, and I met with Snohomish County Executive Dave Somers to discuss SR-522. Executive Somers reported that he, County Council Chair Ryan, and County Council Vice-Chair Sullivan had advocated for improvements to SR-522 when they visited State Legislators in Olympia on February 2, 2016. We truly appreciate their support, advocacy, and partnership.
- On Friday, February 5, 2016, the Washington State Department of Transportation emailed me, and other legislators, the estimated costs for engineering, design, and permitting for the widening of SR-522. The initial design cost is about \$300,000. On Wednesday, February 10, 2016, the City's lobbyists informed me that letters had been sent to those legislators responsible for developing revisions to the Governor's proposed 2016 Supplemental Transportation Budget. Those letters requested that the \$300,000 be made available for this initial design work. I thank everyone working on this including our delegation from the 39th Legislative District and the 1st Legislative District.

**City of Monroe
Year-to-Date Comparisons**

The following are year-to-date comparisons

Sales Tax Revenues
'15 to 1/31/15: \$278,286
'16 to 1/31/16: \$308,703
UP \$30,417 or 10.93%

Real Estate Excise Tax
'15 to 1/31/15: \$23,286
'16 to 1/31/16: \$74,152
UP \$50,865 or 218.44%

Lodging Tax Revenues
'15 to 1/31/15: \$3,945
'16 to 1/31/16: \$5,407
UP \$1,462 or 37.05%

Business License Fees
'15 to 1/31/15: \$4,318
'16 to 1/31/16: \$5,229
UP \$912 or 21.12%

Building Permit Revenues
'15 to 1/31/15: \$23,749
'16 to 1/31/16: \$16,374
DOWN \$7,375 or -31.05%

Planning Fee Revenues
'15 to 1/31/15: \$1,950
'16 to 1/31/16: \$1,700
DOWN \$250 or -12.82%

New House Permits
'15 to 1/31/15: 5
'16 to 1/31/16: 2*
DOWN 3 units or 60%
**9 new single family permits were submitted in Jan. '16*

Multi-Family Permits (# units)
'15 to 1/31/15: 0
'16 to 1/31/16: 2 units
UP 2 units

Building Division Inspections
'15 to 1/31/15: 91
'16 to 1/31/16: 131
UP 40 or 43.96%

(SR522 Update continued)

- On Wednesday, February 10, 2016, the City of Bothell contacted us to let us know that the Bothell City Council authorized the City of Bothell's logo be added to the letter advocating for improvements SR-522. THANK YOU to the Mayor and Councilmembers in Bothell for your support!!!!

First Annual Children & Youth Mental Wellness Fair

The Snohomish Health District, in partnership with other agencies and non-profits, is holding a children and youth mental wellness fair. Topics of the workshops will be centered around the areas of health, personal development, suicide prevention, ACES, bullying, cutting, music therapy, parenting, LGBTQ issues, and other aspects of mental wellness. The fair is Saturday, May 7, 2016, 10 am - 4 pm at Evergreen Middle School (7621 Beverly Lane, Everett).

For more information check out the Facebook event page at: <https://www.facebook.com/events/1647477902194638/>

Rural Tourism Workshop Sessions!!

Get involved in developing tourism in the Skykomish and Snohomish River Valleys. A workshop series is being held beginning on March 7th and 8th at The Rock Church in Monroe. The topic for March 7th will be "Create the Vision" and March 8th will be "Make the Plan to Tell the Story."

To sign up for these all-day workshops, please contact the Snohomish Tourism Bureau: email: Terry@Snohomish.org; phone: 425.348.5802.

More info is at: <https://www.eventbrite.com/e/skykomish-and-snohomish-river-...>

Sky to Sound Water Trail Coalition Update

The Snohomish County Office of Economic Development has received a grant award from the National Park Service to develop a Sky to Sound Water Trail Plan. Its mission is to develop a sustainable water trail that offers recreation opportunities and amenities to visitors and economic benefits to the many partners committed to creating an exemplary water trail. The working vision of this project is a network of whitewater and flatwater trails reaching from the Wild Sky to Puget Sound. The City of Monroe is participating as one of twenty-eight coalition members who are meeting monthly and beginning to work on mapping and inventory of the system, public outreach, and establishing a one-year work plan.

Lake Tye Park Veterans Memorial Donation Update

The American Legion Arthur Kincaid Post No. 58 in Monroe is seeking donations to help raise funds to donate and install a Veterans Memorial monument and lighted flagpole at Lake Tye Park for the purpose of honoring the service, sacrifice and legacy of United States veterans and their families. Twenty men from Monroe were killed in action during WWII. Information on how to make tax deductible gift for this monument project can be found by visiting the American Legion Arthur Kincaid Post 58 website:

<http://www.americanlegionmonroe.org/2016/arthur-kincaid-post-58-news/434/>

You can also mail in donations to: American Legion Post 58 – Monument Project, P.O. Box 966, Monroe, WA 98272.

Heart Month!

Did you know that February is American Heart month? Millions of Americans live with heart disease, stroke, or a cardiovascular condition. You are never too young or too old to start taking care of your heart. Choosing healthy meals and being physically active will pay off for the rest of your life. Visit www.heart.org – Healthy Living for more ways to get heart healthy.

From: Geoffrey Thomas
Sent: Thursday, February 11, 2016 5:09 PM
To: Council Members
Subject: SR-522 Update

I am pleased to report that there are three items to report on SR-522 from this week:

- On Wed., Feb. 10th, Mayor Pro Tem Cudaback, Councilmember Scarboro, and I met with Snohomish County Executive Dave Somers to discuss SR-522. Executive Somers reported that he, County Council Chair Ryan, and County Council Vice Chair Sullivan had advocated for improvements to SR-522 when they visited State Legislators in Olympia on February 2nd. We truly appreciate their support, advocacy, and partnership.
- On Fri., Feb. 5th, the Washington Department of Transportation emailed me and other legislators the estimated costs for engineering, design, and permitting for the widening of SR-522. The initial design cost is about \$300,000. On Wed., Feb. 10th, the City's lobbyists informed me that letters had been sent to those legislators responsible for developing revisions to the Governor's proposed 2016 Supplemental Transportation Budget. Those letters requested that the \$300,000 be made available for this initial design work. I thank everyone working on this including our delegation from the 39th Legislative District and the 1st Legislative District.
- On Wed., Feb. 10th, the City of Bothell contacted us to let us know that the Bothell City Council authorized the City of Bothell's logo be added to the letter advocating for improvements SR-522. THANK YOU to the Mayor and Councilmembers in Bothell for your support!!!!

Mayor Thomas

Mayor Geoffrey Thomas

City of Monroe, 806 West Main Street, Monroe, WA 98272-2198

360.926.6718 (Voice Only) * www.MonroeWA.gov

On Facebook connect at: "Mayor Geoffrey Thomas"



Washington State Senate

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Senator Rosemary McAuliffe
1st Legislative District

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FAX: (360) 786-1999
Legislative Hotline: 1-800-562-6000

February 4, 2016

Honorable Senator Steve Hobbs
Ranking Minority Member
Senate Transportation Committee

Dear Senator Hobbs:

As you know, State Route 522 is a highway of both regional and statewide significance. The highway runs through King and Snohomish counties and provides access for commuters, tourism, freight, schools, and emergency responders between the Central Puget Sound communities and the Skykomish and North Snoqualmie valleys and Maltby community. In addition, SR 522 is a critical link between the Central Puget Sound and Eastern Washington by way of US Highway 2. In fact, when I-90 is impacted from inclement weather, accidents, traffic, or other conditions, it is the SR-522/US2 corridor that becomes the State's primary link to connecting Washington.

The State recognized the need to improve this corridor over 20 years ago and began improvements to widen SR 522 from 1 lane to 2 lanes in each direction with six planned phases in the late '90s. Today, two of these phases remain – removing one stoplight at Paradise Lake Road and finishing the widening of a 3-mile section in the middle of the corridor. The State continues to recognize the need to complete these improvements, which have become even more necessary as the region sees dramatic growth in population and jobs. The result has been increased traffic congestion and safety concerns have grown as the highway becomes overburdened.

SR 522 has a 3-mile long bottleneck where the State highway shrinks from 2 lanes to 1 lane in each direction, then back again to two lanes. Because drivers must merge from 2 lanes to a single lane, morning commutes back up to Main Street (about 3 miles) or as far as US-2 (about 5 miles) in Monroe. In the afternoon, commuters avoid the merge and bypass a portion of the backup by using the Maltby community's roads that parallel SR 522, creating congestion and safety concerns for Maltby area residents and emergency responders. It is important to note that the bottleneck significantly and adversely impacts students from the Monroe School District as they are transported between Monroe and Maltby daily.

The region is expecting population and job growth in the coming years which will put additional stress on an already congested corridor. In order to improve both freight and commuter mobility, ensure increased safety and improve transit reliability, SR 522 planning and construction efforts need to be prioritized in the State's Transportation Plan.

As you know, the SR 522 Paradise Road Interchange is currently funded in the 2025-27 and 2027-29 biennia. I respectfully request that the 2016 Supplemental Transportation Budget move \$10.0 million funding for the project into the 2015-17 biennium by including the following budget proviso:

(x) \$10,000,000 of the Connecting Washington account is provided solely for state route 522 Paradise Road Interchange. Funds are provided for design and engineering, including widening from two to four lanes from Snohomish River to Paradise Lake Road as well as an interchange at Paradise Lake Road.

Effect of proviso:

- Provides \$10.0 million funding for the SR 522 Paradise Road Interchange Project
- Allows funds to be used for widening and interchange improvements

I understand that resources are limited, so any amount that could be allocated this year to get the project started is very much appreciated, as conducting the design and pre-engineering is necessary to position the project to be constructed when new funds become available.

Another immediate challenge we face is the SR 522 Paradise Lake Road project description limits the use of allocated funds to design of the interchange. WSDOT has indicated they need legislative direction in order to also use these allocated funds for design and pre-engineering of widening the middle of the highway from two lanes to four lanes. It is our understanding the Legislature could provide WSDOT with direction by changing the book description that is submitted with the capital project list to WSDOT in order to include widening on SR 522. Therefore, if funds are not available to start the project this biennium, ***please make the appropriate book description changes necessary to allow funds allocated to the State Route 522 Paradise Road Interchange project of the Connecting Washington Account to also be used for the design and pre-engineering of the widening from two to four lanes from Snohomish River to Paradise Lake Road.***

Myself and the SR 522 Coalition (please see attached list) appreciates your understanding of the urgency to keep this project moving forward.

Thank you for your consideration.

Sincerely,



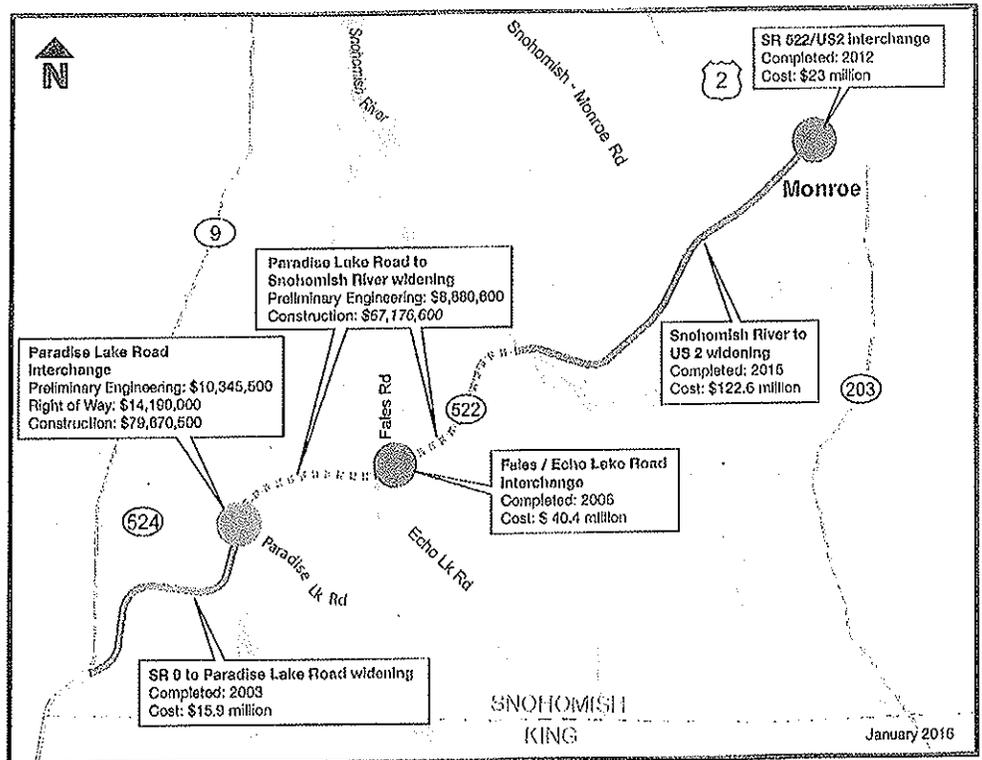
Rosemary McAuliffe
State Senator
1st District

SR 522 COALITION

About State Route 522: SR-522 is a highway of regional and statewide significance. It links Eastern Snohomish County with the metropolitan communities of the I-5 and I-405 corridors, and is a primary route for vehicles and freight moving between the central Puget Sound's metropolitan communities to Stevens Pass and Eastern Washington.

SR-522 has a bottleneck where the highway shrinks from four lanes to two lanes, then back to four lanes. The middle section needs to be completed to improve safety and travel times for both commuters and freight mobility.

History: In 2000, WSDOT began improving SR-522 from a 2-lane road with stoplights to a 4-lane highway with interchanges in six phases. Four of those phases are finished. The incomplete phases affect residents, businesses, and employers at both ends and along the corridor, adversely impacting emergency response, economic development, and traffic flow.



Unfunded Phases:

- Widening approximately 3 miles from 2 lanes to 4 lanes from the Snohomish River to Paradise Lake Road.
- Replacing the stoplight at Paradise Lake Road with an interchange.

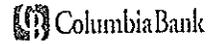
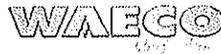
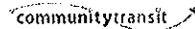
Our Ask: Partner with the County and State to fund completion of the remaining phases to finish what we started.

Immediate priority: allow \$10m currently allocated to design of the SR-522 Interchange to also be used for widening SR-522, and allow funds to be available earlier.

SR 522 COALITION

Who is directly affected?
Residents and businesses in:

1. Congressional District 1;
2. Legislative Districts 1, 39, 44, 45;
3. Snohomish County District 5;
4. King County District 3;
5. Cities of Duvall, Monroe, Sultan, Gold Bar, Startup, Index, Snohomish;
6. Monroe and Northshore School Districts;
7. Fire Districts 3 & 7; and
8. Any resident or business relying on SR-522 to move people or freight between the Puget Sound metropolitan communities and points beyond Stevens Pass.



ECS



Additional Support

- Mr. Dizzy Motorsports
- Mr. Dizzy's Kids (charity)
- Whitfield Auto Licensing
- NW Best Homes (Real Estate Property)
- Monroe Key Bank
- French Creek Manor



Washington State Senate

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February 10, 2016

Honorable Senator Steve Hobbs
Ranking Minority Member
Senate Transportation Committee

Dear Senator Hobbs:

Following up on my recent request to prioritize SR 522 planning and construction efforts in the State's Transportation Plan, I'm sure you've seen the new information provided by WSDOT, indicating an approximate cost of \$300,000 to perform practical design assessments of the SR 522 Interchange and Widening projects.

In light of this new information, I respectfully request that the 2016 Supplemental Transportation Budget allocate \$300,000 funding for the project by including the following budget proviso:

(x) \$300,000 is provided solely for state route 522 Paradise Road Interchange and Widening. Funds are provided for practical design, including widening from two to four lanes from Snohomish River to Paradise Lake Road as well as an interchange at Paradise Lake Road.

As you know, producing updated design concepts and the accompanying design and construction estimates is critical to position the project to be constructed when new funds become available.

Thank you for your consideration.

Sincerely,

Rosemary McAuliffe
State Senator
1st District



City of Monroe

Legislative Update (2/12/16)

Requested Action: Throughout the legislative session, Green Light Strategies will provide the City with regular reports of legislative activity affecting the City. At the end of each update, we provide a list of bills we are tracking during the Legislative Session. Please note legislation discussed in the **AWC/City Legislative Priorities/Issues** section to see important issues under consideration. Please review the bills, confirm the City's position and provide direction.

CITY OF MONROE 2016 LEGISLATIVE PRIORITIES

SR 522: WSDOT recently provided an approximate cost of \$300,000 to perform practical design assessments of the SR 522 Interchange and Widening projects. Practical design is a critical first step to produce updated design concepts and the accompanying design and construction estimates. Based on this new information, Sen. Rosemary McAuliffe and Rep. Luis Moscoso have sent follow-up letters requesting the 2016 Supplemental Transportation Budget allocate \$300,000 for the project.

Lake Tye Park Athletic Fields: Capital budget requests have been submitted to fund installation of synthetic multi-purpose athletic fields for Lake Tye Park. Sen. Pearson submitted the request in the Senate and Rep. Scott submitted the request in the House. The Capital Budget Committees are compiling all requests and determining which projects will be included in the proposed supplemental capital budgets.

2016 LEGISLATIVE SESSION UPDATE

Both the House and Senate are on the floor to vote on legislation. All bills must be passed by the originating chamber by February 17 to be considered by the opposite chamber. Legislation passed by its originating chamber will then be considered by policy committees in the opposite chamber.

STATE SUPPLEMENTAL BUDGETS

The House and Senate budget committees are drafting budget proposals for necessary changes to the biennial budgets passed last year. The Chairs of each budget committee will likely be offering their budget proposals for consideration within a week (or so).



AWC/CITY LEGISLATIVE PRIORITIES/ISSUES

Liquor Revenue Legislation: [HB 2438](#) and [SB 6425](#) implement a phased approach for increasing liquor revenue distributions to local governments, restoring the 50/50 sharing relationship of this revenue stream between the state and local governments. Neither bill was brought forward for executive action by their respective fiscal committees and will likely not see further action this session. (*MONROE: SUPPORT; AWC: SUPPORT*)

Marijuana/Cities Regulatory Limitations: [HB 1438](#), limiting cities' ability to prohibit the production, processing and sale of marijuana in their communities by requiring any such prohibition only by public vote, is being considered for floor action by the Rules Committee. (*MONROE: OPPOSE; AWC: OPPOSE*)

Water and Sewer Utility Taxes: [SB 6115](#), capping city utility tax rates on water and sewer at six percent unless the rate is first approved by a majority of the voters, was heard in committee but failed to be brought up for further action prior to the committee cut-off. Therefore, no further action will be taken this year. (*MONROE: OPPOSE; AWC: OPPOSE*)

Public Records: [HB 2576](#), regarding public records requests to local agencies, passed out of the policy and fiscal committees, and awaits further action in the H Rules Committee. (*MONROE: MONITOR; AWC: SUPPORT*)

Fireworks Regulation: [HB 2348](#), allowing cities to restrict the use of fireworks less than one year after adoption if an extreme fire hazard or imminent threat of wildfire due to drought conditions exists, has passed out of the policy committee and awaits further action in the H Rules Committee. (*MONROE: MONITOR; AWC: SUPPORT*)

Transportation Benefit Districts: [HB 2816](#), increasing the maximum sales and use tax rate that can be imposed by a transportation benefit district after voter approval from 0.2 percent to 0.6 percent, was heard by the H Transportation Committee. However, the bill was not brought up for further action prior to the committee cut-off. (*MONROE: SUPPORT*)



2016 BILL TRACKING

Bill	Title	Status	Sponsor	Position
SHB 1438	Marijuana, prohibiting/vote	H Rules R	Sawyer	Oppose
HB 1517	Liquor revenue distribution	H Approps	Reykdal	Monitor
HB 1582	Traffic violation penalties	H Trans	Fey	Monitor
2SHB 1605	Fire protection/benefit chrg	H Rules R	Peterson	Monitor
SHB 1684	Public records, charges for	H Rules R	Takko	Monitor
E2SHB 1745	Voting rights	S GovtOp&Sec	Moscoso	Monitor
HB 1802	Long-range planning costs	H Local Govt	Fitzgibbon	Monitor
SHB 2029	Public trans benefit areas	H Rules R	Fey	Monitor
HB 2097	Ltd jurisdiction courts/fees	H Rules R	Kirby	Monitor
2SHB 2146	Public works requirements	H Rules R	Kilduff	Monitor
HB 2290	Public record request limits	H State Governme	MacEwen	Monitor
HB 2310	Fire prevention/2016	H Ag & Nat Res	Van De Wege	Monitor
HB 2321	Fire authority formation	H Rules R	Stokesbary	Monitor
SHB 2348	Local fireworks ordinances	H Rules R	Hawkins	Monitor
HB 2353	OPMA civil penalties	H Rules R	Hunt, S.	Monitor
HB 2358	Water-sewer districts	H Rules R	Kochmar	Monitor
HB 2362	Recordings/law enf., etc.	H Rules R	Hansen	Monitor
HB 2376	Operating sup budget 2016	H Approps	Dunshee	Monitor
HB 2377	Schools/GMA	H Local Govt	Taylor	Monitor
HB 2380	Supplemental capital budget	H Cap Budget	Tharinger	Monitor
HB 2395	Condominium conversion fee	H Comm Dev, Hous	McBride	Monitor
HB 2397	Housing demolitions fee	H Comm Dev, Hous	McBride	Monitor
HB 2438	Excess liquor revenue dist.	H Approps	Nealey	Support
HB 2442	Affordable housing zones	H Comm Dev, Hous	Appleton	Monitor
HB 2460	Firearms/public places	H Judiciary	Walkinshaw	Monitor
SHB 2486	Environmental statutes	H Rules R	Fitzgibbon	Monitor
SHB 2509	Wildlife and recreation prq.	H Rules R	Tharinger	Monitor
SHB 2544	Affordable housing options	H Finance	Frame	Monitor
HB 2565	Local sales & use tx changes	H 2nd Reading	Vick	Monitor
2SHB 2576	Local agency public records	H Rules R	McBride	Monitor
SHB 2583	Local creative districts	H Rules R	McBride	Monitor
HB 2617	District-based elections	H State Governme	Manweller	Monitor
SHB 2647	Tax foreclosed prop./housing	H 2nd Reading	Jinkins	Monitor
HB 2688	Historic building rehab. tax	H Comm Dev, Hous	Pettigrew	Monitor
HB 2689	Historic building preserv.	H Comm Dev, Hous	Pettigrew	Monitor
SHB 2708	Fire district formation	H Rules R	Appleton	Monitor
HB 2732	Fire district annexations	H Rules R	Peterson	Monitor
HB 2741	State & local fiscal agents	H 2nd ReadSCal	Kuderer	Monitor
HB 2764	Public defense fund distrib.	H Rules R	Jinkins	Monitor



HB 2788	Municipal water rights	H Ag & Nat Res	Shea	Monitor
HB 2816	Trans. benefit district tax	H Trans	Muri	Support
HB 2864	Trans. benefit tax increase	H Trans	Hunt, S.	Monitor
HB 2971	Real estate/local government	H 2nd Reading	McBride	Monitor
2SSB 5109	Infrastructure/local govt	S Rules 2	Brown	Monitor
ESB 5111	Econ devel & transp projects	S 3rd Reading	Brown	Monitor
ESSB 5343	Transit construction/parking	H Trans	Hasegawa	Monitor
2ESB 5624	Essential infrastructure	H Cap Budget	Keiser	Monitor
SB 5896	Liquor revenue distribution	S Ways & Means	Fraser	Monitor
SB 6031	Public works contractors/DES	S GovtOp&Sec	Chase	Monitor
SB 6100	Economic gardening pilot pr.	S Ways & Means	Chase	Monitor
SB 6115	Water, sewerage businesses	S GovtOp&Sec	Chase	Oppose
SB 6129	District-based elections	S 2nd Reading	Roach	Monitor
SB 6147	Water-sewer districts	S Rules 2	Roach	Monitor
SB 6150	Water pollution loans/term	H Cap Budget	Honeyford	Monitor
SB 6159	Counties/independent counsel	S Law & Justice	Dammeier	Monitor
SB 6171	OPMA civil penalties	S Rules 2	Roach	Monitor
SB 6183	Local school district levies	S EL/K-12	McAuliffe	Monitor
SB 6201	Supplemental capital budget	S Ways & Means	Honeyford	Monitor
SB 6204	Fire authority formation	S Rules 2	Roach	Monitor
SSB 6211	Nonprofit homeownership dev.	H Comm Dev, Housi	Dammeier	Monitor
2SSB 6239	Affordable housing options	S Rules 2	Fain	Monitor
SB 6247	On-site sewage system fees	S Ways & Means	Angel	Monitor
SSB 6315	Local gov. modernization	S Rules 2	Roach	Monitor
SSB 6387	Fire district formation	S Rules 2	Roach	Monitor
SSB 6420	Land capacity review & eval.	S Rules 2	Roach	Monitor
SB 6422	Affordable housing	S HumSer/MenHlth	Miloscia	Monitor
SB 6425	Excess liquor revenue dist.	S Ways & Means	Hewitt	Support
SSB 6426	School siting	S Rules 2	Conway	Monitor
SB 6508	Public works assist. loans	S Ways & Means	Chase	Monitor
SB 6567	State route number 2 trestle	S Transportation	Hobbs	Monitor
SSB 6570	Toxic pollution cleanup	S Ways & Means	Ericksen	Monitor