#### AGENDA

#### HARMONY CITY COUNCIL HARMONY ECONOMIC DEVELOPMENT AUTHORITY Some members may participate by telephone or other electronic means Regular Meeting

February 11, 2025 7:00 P.M. Council Room Community Center

#### Virtually Attending:

Michael Himlie Location: 116<sup>th</sup> Broadway New York, NY 10027

- 1. Call to Order
- 2. Roll Call By Roll Call Vote
- 3. Public Forum
- 4. Consent Agenda
  - a) Minutes Regular
  - b) Claims and January Checks
  - c) Cash in CD
  - d) Cash Balances
  - e) MPCA Compliance Evaluation Inspection
- 5. New Business
  - a) Burke Agreement
  - b) Res. 25-03 Amendment to Res. 24-17 Final Levy
  - c) Downtown Revitalization Program
  - d) New Home Rebate Program
  - e) Res. 25-04 Harmony UV Resolution Request authorization to bid
  - f) Liquor License Renewal Kwik Trip
- 6. Old Business
- 7. Reports
  - a) Building & Maintenance Report
    - i. WWTP Report
  - b) EDA Board
  - c) Harmony Chamber
  - d) Park Board
  - e) Library Board
  - f) Arts Board
  - g) Fire Department
  - h) Sheriff Report
- 8. Adjourn



A Regular Meeting of the Harmony City Council was called to order by Mayor Steve Donney. Present were Mayor Donney, Councilmembers Kyle Scheevel, Jesse Grabau, Tara Morem and Michael Himlie. Also present were Administrator Alissa Stelpflug, Deputy Clerk Lisa Morken, Attorney Greg Schieber, Hannah Wingert (Fillmore County Journal), Terry Bigalk, Samantha Grabau, Kailee Arends, Erica Thilges, Miles Petree and Lorena Reichert of CEDA.

SWEARING IN: Attorney Greg Schieber swore in Councilmembers Jesse Grabau, Tara Morem and Mayor Steve Donney

PUBLIC FORUM: None.

CONSENT AGENDA: The consent agenda consisted of minutes, claims and December checks, cash in CD, cash balances, Gundersen Health Systems Agreement Renewal, 2025 Annual Appointments (Resolution 25-01), and commercial meters. Councilmember Grabau motioned to approve the Consent Agenda except the 2025 Annual Appointments. Councilmember Scheevel seconded the motion. Councilmember Himlie asked office staff to ensure that there wasn't a duplicate payment made to Ironside. A vote was held. All in favor. Motion carried.

ANNUAL APPOINTMENTS 2025: Mayor Donney stated that Tara Morem will fill Domingo Kingsley's positions on the Personnel and Budget Committees and Councilmember Grabau is Mayor Pro Tem. Councilmember Scheevel is now on the EDA Board as Mayor Donney's term is complete. Councilmember Grabau will also be the new signator. Councilmember Grabau motioned to accept Resolution 25-01. Councilmember Himlie seconded the motion. A vote was held. All in favor. Motion carried.

PERSONNEL COMMITTEE: Mayor Donney noted that the Personnel Committee will be scheduling annual review. Councilmember Grabau motioned to accept 3% COLA increase for non-union employees. Councilmember Himlie seconded the motion. A vote was held. All in favor. Motion carried. Councilmember Grabau motioned to approve step increases pending annual reviews:

Karen Appenhorst – Grade 3, Step 3 – to Grade 3, Step 4 Lisa Morken – Grade 4, Step 3 - Grade 4, Step 4 (with back pay from September 2024) Per Union Contract: Brian Michel – Grade 7, Step 2 – Grade 7, Step 3 Corey Whalen – Grade 5, Step 5 – Grade 5, Step 6

Councilmember Himlie seconded the motion. A vote was held. All in favor. Motion carried.

VOTER ACCOUNT AGREEMENT: Councilmember Grabau motioned to accept Resolution 25-02 Voter Agreement with Fillmore County. Councilmember Himlie seconded the motion. A vote was held. All in favor. Motion carried.

AMBULANCE RATE INCREASE: Samantha Grabau, Ambulance Director requested base rate and mileage rate increase approval. The Ambulance service rate increase is needed to recoup losses and match what neighboring ambulance services charge. The base rate will increase from \$750 to \$850 per trip and loaded mile rate from \$12 per loaded mile to \$13 per loaded mile. The Advanced Life Support rate would increase from \$950 to \$1050. Mayor Donney motioned to accept the rate increases. Councilmember Scheevel seconded the motion. A vote was held. All in favor. Motion carried.

#### **REPORTS**:

#### **BUILDING & MAINTENANCE:**

<u>WWTP</u>: MPCA inspection this week.

<u>EDA BOARD</u>: Lorena Reichert introduced herself as our new CEDA Business Development Specialist. Minutes from the EDA Meeting are in the packet.

CHAMBER: Annual meeting is next week. Working on 2025-2026 guidebook.

<u>FIRE DEPARTMENT</u>: New member, Jacob Patch. Mayor Donney motioned to approve the new member. Councilmember Morem seconded the motion. A vote was held. All in favor. Motion carried.

SHERIFF'S REPORT: Will send ASAP.

LIBRARY BOARD: Annual staff reviews

#### ARTS BOARD: FCHS Choir trip

<u>PARKS BOARD</u>: The new dump station is now open. New gravel will be in sites this spring. The Park Board Campground rates as follows: *Current Rates- 1 night \$20 camper \$10 tent Proposed Rates \$30 a night Camper \$15 Tent Camper \$150 /week \$400/ Month \$800/ Summer (May-August) Tent \$75/week \$200/Month \$400/Summer (May-August).* Mayor Donney motioned to approve the new rates. Councilmember Morem seconded the motion. A vote was held. All in favor. Motion carried.

Upon no further business, Mayor Donney adjourned the meeting.

Lisa Morken, Deputy Clerk

Mayor Steve Donney

		Object	· · · · · · · · · · · · · · · · · · ·		
-	Fund Descr	of Expense	Vendor	Comments	Amount
101 General	Fund				
	General Fund	Flexible Spending Account	BPAS	BPAS VEBA payment	\$132.50
	General Fund	Union Central Pension Fund	CENTRAL PENSION FUND	Union pension	\$381.00
	General Fund	HSA Contribution	FIRST SOUTHEAST BANK	AUTO PYMT FSA Contribution-TRANSFER	\$250.00
	General Fund	Certificates of Deposit	FIRST SOUTHEAST BANK	CD purchased #30000298	\$100,000.00
	General Fund	Certificates of Deposit	FIRST SOUTHEAST BANK	CD purchased #30000299	\$100,000.00
	General Fund	Certificates of Deposit	FIRST SOUTHEAST BANK	CD purchased #30000300	\$100,000.00
	General Fund	Certificates of Deposit	FIRST SOUTHEAST BANK	CD purchased #30000301	\$100,000.00
	General Fund	Health Insurance	I.U.O.E. LOCAL 49 FRINGE BENEF	Union health insurance	\$4,695.00
	General Fund	Social Security	INTERNAL REVENUE SERVICE	SOCIAL SECURITY TAX	\$5,786.20
	General Fund	Federal Tax Withholding	INTERNAL REVENUE SERVICE	FED TAX WITHHOLDING	\$2,867.10
	General Fund	Medicare	INTERNAL REVENUE SERVICE	MEDICARE TAX	\$1,353.22
	General Fund	Social Security	INTERNAL REVENUE SERVICE	SOCIAL SECURITY TAX	\$53.74
	General Fund	Medicare	INTERNAL REVENUE SERVICE	MEDICARE TAX	\$12.56
	General Fund	Union Dues	IUOE LOCAL #49	Union dues	\$105.00
	General Fund	Child Support	MN CHILD SUPPORT PAYMENT CTR	Child support	\$617.00
	General Fund	State Tax Withholding	MN DEPT OF REVENUE (INTERGOVT)	MN State withholding	\$1,570.77
	General Fund	Nationwide Retirement	NATIONWIDE RETIREMENT SOLUTIO	Nationwide	\$500.00
	General Fund	NCPERS Insurance	NCPERS GROUP LIFE INS	511800 Life insurance	\$16.00
	General Fund	PERA	PERA	PERA 511800	\$5,338.19
	General Fund	Health Insurance	SOUTHEAST SERVICE CO-OP	Automatic pymt - Health Insurance	\$4,263.40
	General Fund	Life Insurance	USABLE LIFE	101421301G Life insurance	\$42.40
	General Fund	Flexible Spending Account	WEX HEALTH, INC.	H S A CONTRIBUTIONS	\$662.50
	General Fund	General Operating Supplies	HARMONY FOODS	Napkins for breakroom & office	\$5.28
	General Fund	Office Equip	ELAN FINANCIAL SERVICES	Copy/printing paper	\$93.98
	General Fund	Office Equip	ELAN FINANCIAL SERVICES	Microsoft Team Premium	\$7.00
	General Fund	Office Equip	ELAN FINANCIAL SERVICES	Microsoft Team business standard	\$13.42
	General Fund	Office Equip	ELAN FINANCIAL SERVICES	Netgearswitch	\$85.49
	General Fund	Postage	ELAN FINANCIAL SERVICES	Stamped envelopes	\$1,786.00
	General Fund	Postage	QUADIENT, INC.	Post meter equipment rent	\$72.65
	General Fund	Repair/Maint Office Equipment	METRO SALES	Feb base rate; Jan useage	\$116.51
	General Fund	Travel Expenses	STELPFLUG, ALISSA	Travel to/from LMC elected leaders fund	\$177.80
	General Fund	Telephone	HARMONY TELEPHONE CO (MI BROA	Civil Defense	\$41.56
	General Fund	Building Repair Materials	KINGSLEY MERCANTILE	CC - 3 doorsets, glue, primer, caulk, hose	\$579.08
	General Fund	Cleaning Supplies	DALCO (IMPERIALDADE)	CC cleaning gloves	\$70.00
	General Fund	Cleaning Supplies	HARMONY FOODS	Tide laundry soap - cc	\$7.15
	General Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Comm Center electric utilities	\$4,421.36

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	Fund Descr	Object of Expense	Vendor	Comments	Amount
	General Fund	Gas Utilities	MINNESOTA ENERGY	CC gas	\$567.27
	General Fund	General Operating Supplies	ELAN FINANCIAL SERVICES	USB wall chargers, security camera cable	\$38.67
	General Fund	Motor Fuels/Lubricants	KWIK TRIP,INC	CC - fuel	\$50.74
	General Fund	Repair/Maint Other Equipment		CC parts to repair vaccum cleaner	\$19.00
	General Fund	Sewer Utilities	HARMONY PUBLIC UTILITIES	Comm Center sewer	\$66.72
	General Fund	Small Tools and Minor Equip	ELAN FINANCIAL SERVICES	CC - WYZE camera + memory card	\$41.12
	General Fund	Small Tools and Minor Equip	KINGSLEY MERCANTILE	CC - center punch, zip ties, goggles	\$45.74
	General Fund	Telephone	HARMONY TELEPHONE CO (MI BROA	Admin phone	\$314.58
	General Fund	Water Utilities	HARMONY PUBLIC UTILITIES	Comm Center water	\$42.41
	General Fund	Program Services	OLINGER, MARK & SUE	Pizza, candy, apples , ribbon	\$60.40
	General Fund	Legal Notices Publishing	NETHERCUT SCHIEBER ATTORNEYS	City Council mtg	\$122.50
	General Fund	Auditing and Acct g Services	SmithSchafer	2024 annual audit, general purpose	\$1,000.00
	General Fund	Software Service Fees	BANYON DATA SYSTEMS	Banyon software support	\$558.00
	General Fund		HAMMELL EQUIPMENT	Replaced O ring on boom	\$93.05
	General Fund	Legal Fees	NETHERCUT SCHIEBER ATTORNEYS	Admin, taxes, payroll process	\$112.50
	General Fund	General Operating Supplies	CULLIGAN	Jan drinking water and dispenser rent, wat	\$57.90
	General Fund	Legal Fees	NETHERCUT SCHIEBER ATTORNEYS	P/Z review zoning request	\$52.50
	General Fund	Legal Fees	NETHERCUT SCHIEBER ATTORNEYS	Election, voting funds resolutions, oaths o	\$70.00
	General Fund	Telephone	HARMONY TELEPHONE CO (MI BROA	Police	\$41.46
	General Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Maintenance Shop electric utilities	\$182.97
	General Fund	Gas Utilities	MINNESOTA ENERGY	Shop gas	\$411.16
	General Fund	General Operating Supplies	HARMONY FOODS	Folgers k cups	\$19.99
	General Fund	Repair/Maint Bldg/Structures	PLUNKETTS PEST CONTROL, INC	Rodent Control Program, Shop	\$85.20
	General Fund	Small Tools and Minor Equip	KINGSLEY MERCANTILE	Public Works - ladder, hook, knife, tape	\$87.82
	General Fund	Telephone	HARMONY TELEPHONE CO (MI BROA	Shop	\$110.74
	General Fund	Water Utilities	HARMONY PUBLIC UTILITIES	Maintenance Shop water	\$20.42
	General Fund	Lodging Tax	HARMONY CHAMBER OF COMMERCE	Country Lodge, Evolve, Elevated Homestay	\$1,560.36
	General Fund	Cleaning Supplies	HARMONY FOODS	Tide laundry soap - VC	\$7.15
	General Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Visitor Center electric utilities	\$145.18
	General Fund	Gas Utilities	MINNESOTA ENERGY	VC gas	\$1,240.89
	General Fund	Motor Fuels/Lubricants	KWIK TRIP,INC	VC - fuel	\$50.75
	General Fund	Repair/Maint Other Equipment	-	VC parts to repair vaccum cleaner	\$19.00
	General Fund	Sewer Utilities	HARMONY PUBLIC UTILITIES	Visitor Center sewer	\$30.35
	General Fund	Small Tools and Minor Equip	ELAN FINANCIAL SERVICES	VC - WYZE camera + memory card	\$41.13
	General Fund	Water Utilities	HARMONY PUBLIC UTILITIES	Visitor Center water	\$18.35
101 General F	Fund			-	\$443,509.88

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		Object			
	Fund Descr	of Expense	Vendor	Comments	Amount
	CDBG Rehab Loan Progr	Management Fees	SEMCAC	Admin SCDP Grant	\$1,650.00
	CDBG Rehab Loan Progr	Program Services	BRAD MEYER CONSTRUCTION	SCDP Pay Request #16	\$11,000.00
202 CDBG R	Rehab Loan Program				\$12,650.00
211 Library	Fund				
	Library Fund	Legal Fees	NETHERCUT SCHIEBER ATTORNEYS	Library matter	\$70.00
	Library Fund	Media-Books	BAKER & TAYLOR	Books	\$23.24
	Library Fund	Media-Books	BAKER & TAYLOR	Books	\$36.00
	Library Fund	Media-Books	BAKER & TAYLOR	Books	\$355.33
	Library Fund	Media-Books	BAKER & TAYLOR	Books	\$11.62
	Library Fund	Media-Books	BAKER & TAYLOR	Books	\$16.83
	Library Fund	Media-Books	CHATFIELD PUBLIC LIBRARY	Book	\$16.00
	Library Fund	Media-Books	INGRAM LIBRARY SERVICES, INC	Books	\$32.98
	Library Fund	Media-E-Audio	SELCO	Overdrive suscription	\$1,000.00
	Library Fund	Media-Video	BAKER & TAYLOR	Movies on DVD	\$26.23
	Library Fund	Media-Video	BAKER & TAYLOR	Movies on DVD	\$20.24
	Library Fund	Media-Video	BAKER & TAYLOR	Movies on DVD	\$74.96
	Library Fund	Media-Video	BAKER & TAYLOR	Movies on DVD	\$29.98
	Library Fund	Media-Video	BAKER & TAYLOR	Movies on DVD	\$44.97
	Library Fund	Media-Video	BAKER & TAYLOR	Movies on DVD	\$71.89
	Library Fund	Media-Video	BAKER & TAYLOR	Movies on DVD	\$8.24
	Library Fund	Office Equip	NEWEGG	WebCam	\$45.48
	Library Fund	Program Supplies	ELAN FINANCIAL SERVICES	Sensory bin supplies	\$522.07
	Library Fund	Program Supplies	HARMONY CHAMBER OF COMMERCE	Visitor's guide ad	\$190.00
	Library Fund	Program Supplies	ORIENTAL TRADING CO., INC	4TH of July parade supplies	\$359.39
	Library Fund	Repair/Maint Office Equipment	CANON FINANCIAL SERVICES, INC	Copier lease contract	\$130.78
	Library Fund	Software Service Fees	SELCO	Basic services, fees, tech support	\$343.10
	Library Fund	Telephone	HARMONY TELEPHONE CO (MI BROA	Library	\$47.96
211 Library	Fund			-	\$3,477.29
222 Fire Fur	nd				
	Fire Fund	Contractual Services	CANTON FIRE DEPT	TF fire 1.50	\$75.00
	Fire Fund	Furniture and Fixtures	KINGSLEY MERCANTILE	FD- Replace refridgerator	\$1,999.00
	Fire Fund	Motor Fuels/Lubricants	WEX BANK (SINCLAIR)	Fire Dept fuel	\$78.52
	Fire Fund	Small Tools and Minor Equip	KINGSLEY MERCANTILE	FD - adapters, braided hose, clamps, oven	\$80.70
	Fire Fund	Training and Instruction	RIVERLAND COMMUNITY COLLEGE	Hazmat Refresher 1/27/25	\$560.00
	Fire Fund	Training Fees	MN FIRE SERVICE CERTIFICATION	Firefighter I and II cert exams Costigan, D	\$543.00
	Fire Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Fire Dept electric utilities	\$291.53

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Fund Descr	Object of Expense	Vendor	Comments	Amount
Fire Fund	Gas Utilities	MINNESOTA ENERGY	FD gas	\$784.12
Fire Fund	Sewer Utilities	HARMONY PUBLIC UTILITIES	Fire Dept sewer	\$27.72
Fire Fund	Small Tools and Minor Equip	ANCOM TECHNICAL CENTER	Pager belt clips - 5	\$80.00
Fire Fund	Telephone	HARMONY TELEPHONE CO (MI BROA	Fire	\$95.86
Fire Fund	Water Utilities	HARMONY PUBLIC UTILITIES	Fire Dept water	\$16.61
222 Fire Fund				\$4,632.06
223 Ambulance Fund				
Ambulance Fund	Contractual Services	EMS MANAGEMENT & CONSULTANT	15 trips coded	\$420.00
Ambulance Fund	Dues	AMERICAN AMBULANCE ASSOC.	2025 American Amb Assoc dues	\$262.50
Ambulance Fund	Employer PERA	PERA	PERA 928900	\$2,621.00
Ambulance Fund	Motor Fuels/Lubricants	KWIK TRIP,INC	Ambulance fuel	\$651.57
Ambulance Fund	Sign Materials	ELAN FINANCIAL SERVICES	Helecopter Landing sign	\$68.59
Ambulance Fund	Taxes, Licenses & Permits	CLIA LABORATORY PROGRAM	Certificate fee/2 year clia license	\$248.00
Ambulance Fund	Telephone	AT&T MOBILITY	Jan Ambulance cell phone, hot spot	\$83.11
Ambulance Fund	Training Fees	ELAN FINANCIAL SERVICES	HIS Instructor reauthorization	\$30.00
Ambulance Fund	Training Fees	ELAN FINANCIAL SERVICES	HIS Canton Fire Adult/Child CPR	\$112.84
223 Ambulance Fund			-	\$4,497.61
251 Park Fund				
Park Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Parks electric utilities	\$289.74
Park Fund	Repair/Maint Bldg/Structures	KINGSLEY MERCANTILE	Parks - 60 valves 6 3/4 brass	\$99.48
Park Fund	Sewer Utilities	HARMONY PUBLIC UTILITIES	Parks sewer utilities	\$78.00
Park Fund	Small Tools and Minor Equip	ELAN FINANCIAL SERVICES	Plumbing supplies, 1 inch brass cross	\$20.67
Park Fund	Water Utilities	HARMONY PUBLIC UTILITIES	Parks water utilities	\$97.93
251 Park Fund			-	\$585.82
261 Arts Fund				
Arts Fund	Dues	MN CITIZENS FOR THE ARTS	2025 MN Citizens for the Arts Membershi	\$25.00
261 Arts Fund				\$25.00
427 2024 Street Project				
2024 Street Project	Engineering Fees	STANTEC CONSULTING SERVICES, IN	2024 Street & Utility Imp record plans & p	\$2,278.50
2024 Street Project	Financial Services Fees	FILLMORE COUNTY AUDITOR	2025 Special assessment set up for 2024	\$50.00
427 2024 Street Project			-	\$2,328.50
428 WWTP UV PROJECT				
WWTP UV PROJECT	Engineering Fees	STANTEC CONSULTING SERVICES, IN	UV diinfection Engineer & Proj Mgmt	\$28,838.25
WWTP UV PROJECT	Engineering Fees	STANTEC CONSULTING SERVICES, IN	12/12/24 UV proj meeting	\$16.75

Fund Descr	Object	Vendor	Comments	Amount
	of Expense			
WWTP UV PROJECT	Planning & Development Fees	CHOSEN VALLEY TESTING	Engineering analysis report	\$2,780.00
428 WWTP UV PROJECT				\$31,635.00
601 Water Fund				
Water Fund	Auditing and Acct g Services	SmithSchafer	2024 annual audit, general purpose	\$1,000.00
Water Fund	Office Accessories	ELAN FINANCIAL SERVICES	Clip boards	\$7.89
Water Fund	Postage	ELAN FINANCIAL SERVICES	Water sample postage	\$6.20
Water Fund	Software Service Fees	BANYON DATA SYSTEMS	Banyon software support	\$558.00
Water Fund	Chemicals and Chem Products	HAWKINS WATER TREATMENT GROU	Chlorine cylinders	\$20.00
Water Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Pumphouse 1, 2 & 3 electric utilities	\$1,307.41
Water Fund	Gas Utilities	MINNESOTA ENERGY	Pump house 1 gas	\$178.17
Water Fund	Gas Utilities	MINNESOTA ENERGY	Pump house 2 gas	\$30.27
Water Fund	General Operating Supplies	DAKOTA SUPPLY GROUP	Curb box6, curb box lid 12, ball curb 10	\$5,227.28
Water Fund	Management Fees	MMUA	Safety Mgmt Prog Jan, Feb & Mar 2025	\$1,287.75
Water Fund	Management Fees	MMUA	Safety Mgmt Prog July, August, Sept 24	\$1,244.14
Water Fund	Small Tools and Minor Equip	DAKOTA SUPPLY GROUP	SS cotter pin stationary	\$45.27
Water Fund	Small Tools and Minor Equip	DAKOTA SUPPLY GROUP	6 3/4 adapter CTS Q comp X female	\$197.21
Water Fund	Utility Maint Materials	METERING & TECHNOLOGY SOLUTIO	Beacon cellular water meters	\$8,247.20
601 Water Fund			-	\$19,356.79
602 Sewer Fund				
Sewer Fund	Auditing and Acct g Services	SmithSchafer	2024 annual audit, general purpose	\$1,000.00
Sewer Fund	Office Accessories	ELAN FINANCIAL SERVICES	WWTP ink catridges	\$30.34
Sewer Fund	Software Service Fees	BANYON DATA SYSTEMS	Banyon software support	\$558.00
Sewer Fund	Chemicals and Chem Products	HAWKINS WATER TREATMENT GROU	Bioneutralizer tabs, chlorine	\$4,393.38
Sewer Fund	Chemicals and Chem Products	HAWKINS WATER TREATMENT GROU	Chlorine cylinders	\$20.00
Sewer Fund	Contractual Services	ENVIRONMENTAL WATER SERVICES	Wastewater operations & mgmt	\$1,500.00
Sewer Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	WWTP, Lift Station 1 & 2 electric utilties	\$1,528.85
Sewer Fund	Gas Utilities	MINNESOTA ENERGY	WWTP gas	\$1,020.67
Sewer Fund	General Operating Supplies	DAKOTA SUPPLY GROUP	PVC flex couplins, FERNC FLEX cplg	\$640.03
Sewer Fund	General Operating Supplies	DALCO (IMPERIALDADE)	Nitrile gloves	\$63.00
Sewer Fund	Laboratory & Testing Fees	ELAN FINANCIAL SERVICES	MPCA cert test, fees	\$56.18
Sewer Fund	Management Fees	MMUA	Safety Mgmt Prog Jan, Feb & Mar 2025	\$1,287.75
Sewer Fund	Management Fees	MMUA	Safety Mgmt Prog July, August, Sept 24	\$1,244.13
Sewer Fund	Repair/Maint Bldg/Structures	MOREM ELECTRIC, INC	Sewer plant outlet	\$88.99
Sewer Fund	Repair/Maint Other Improve	RCT Sewer & Vac	Cleared plugged sewer line to WWTP	\$950.00
Sewer Fund	Repair/Maint Vehicles	IRONSIDE TRAILER SALES & SERVI	Oil and filter change, tire repair Corey's tru	\$187.00
Sewer Fund	Sewer Utilities	HARMONY PUBLIC UTILITIES	WWTP, Lift Station 1 & 2 sewer	\$2,044.44

#### February 11th 2025\*

idi Waste Fund Solid Waste Fund Motor Fuels/Lubricants WEX BANK (SINCLAIR) Corey's Truck fuel \$41,00.00 \$50id Waste Fund Other Equipment ELAN FINANCIAL SERVICES Tactacam Monthly tree dump cam service \$13.00 Solid Waste Fund Refuse/Garbage Disposal RICHARDS SANITATION, LLC January garbage & recycling service \$13.00 \$10 Waste Fund Refuse/Garbage Disposal RICHARDS SANITATION, LLC January garbage & recycling service \$13.00 \$10 Waste Fund Refuse/Garbage Disposal RICHARDS SANITATION, LLC January garbage & recycling service \$10,119.50 Cetric Fund Electric Fund Utility Deposits FRYE, DEB Utility deposit refund \$157.95 Electric Fund Utility Deposits FRYE, DEB Utility deposit refund Electric Fund Electric Power for Resale FRYE, DEB Utility deposit refund Electric Fund Electric Utilities HARMONY PUBLIC UTILITIES FreetElights electric utilities \$1,141.24 Electric Fund Electric Fund Electric Fund Electric Utilities HARMONY PUBLIC UTILITIES Electric archargers electric utilities \$1,247.75 Electric Fund Electric Fund Electric Utilities HARMONY PUBLIC UTILITIES Electric archargers electric utilities \$1,247.75 Electric Fund Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,287.75 Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,287.75 Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,287.75 Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,287.75 Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,287.75 Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,287.75 Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,287.75 Electric Fund Management Fees MMUA Safety Mgmt Prog Jan, Feb & Mar 2025 \$1,28					
Sewer FundSmall Tools and Minor EquipELAN FINANCIAL SERVICESWinch strap with hook\$21.46Sewer FundTraining FeesELAN FINANCIAL SERVICESWinch strap with hook\$21.46Sewer FundTravel ExpensesWHALCAL SERVICESMPCA training, service fee\$597.58Sewer FundUtility Maint MaterialsHARMONY FOODSZiplock bags for samples\$4.58Sewer FundUtility Maint MaterialsHARMONY POBLC UTILITIESWWTP - brass hose repair, screws, clamps\$1.329Sewer FundWater UtilitiesHARMONY PUBLIC UTILITIESWWTP, Lift Station 1 & 2 water\$1.330.71wer FundWater UtilitiesHARMONY PUBLIC UTILITIESWWTP, Lift Station 1 & 2 water\$1.329.71solid Waste FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1.000.00Solid Waste FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00Solid Waste FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$13.100Solid Waste FundRefuse/Garbage DisposalRICHARDS SANITATION, LLCJanuary garbage & recycling service\$11.101Solid Waste FundRefuse/Garbage DisposalRICHARDS SANITATION, LLCMatres/Jox spring\$22.58Solid Waste FundUtility DepositsFORESIGHT FARMSUtility deposit refund \$15.795\$10.119.50Solid Waste FundUtility DepositsFORESIGHT FARMSUtility deposit refund \$15.795\$10.119.50Solid Waste FundUtility DepositsFOR	Fund Descr		Vendor	Comments	Amount
Sewer FundTelephoneHARMONY TELEPHONE CO (MI BROASewer dialers/Lifts\$278.07Sewer FundTravel ExpensesELAN FINANCIAL SERVICESMPCA training, service fee\$597.58Sewer FundUtility Maint MaterialsHARMONY FODDSZiplock bags for samples\$41.88Sewer FundUtility Maint MaterialsKINGSLEY MERCANTILEWWTP, brass hose repair, screws, clamps\$13.30.71Sever FundWater UtilitiesHARMONY PUBLIC UTILITIESWWTP, Lift Station 1.8.2 water\$1,300.71wer FundWater UtilitiesHARMONY PUBLIC UTILITIESWWTP, Lift Station 1.8.2 water\$1,200.00Solid Waste FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Solid Waste FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,200.00Solid Waste FundAuditing ape LogapointELAN FINANCIAL SERVICESTactacam Monthly tree dump cam service\$13.00Solid Waste FundRefuse/Garbage DisposalRICHARDS SANITATION, LLCJanuary garbage & recycling service\$13.11.21Solid Waste FundUtility DepositsFORESIGHT FARMSUtility deposit refund\$157.95Electric FundUtility DepositsFORESIGHT FARMSUtility deposit refund\$157.95Electric FundElectric FundElectric Curd for Resale\$69,680.46\$11.12.4Electric FundElectric FundElectric Order For Resale\$69,680.46\$11.2.2Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIES<					
Sewer Fund       Training Fees       ELAN FINANCIAL SERVICES       MPCA training, service fee       \$\$97.58         Sewer Fund       Travel Expenses       WHALN, COREY       Meals \$60, Mileage WVTP school       \$242.48         Sewer Fund       Utility Maint Materials       KINGSLEY MERCANTILE       WVTP - brass hose repair, screws, clamps       \$13.29         Sewer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP, Lift Station 1 & 2 water       \$1,30.21         wer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP, Lift Station 1 & 2 water       \$1,30.21         wer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP, Lift Station 1 & 2 water       \$1,30.20         solid Waste Fund       RICHARDS SANITATION, LLC       January garbage & recycling service       \$1,31.01         Solid Waste Fund       Refuse/Garbage Disposal       RICHARDS SANITATION, LLC       January garbage & recycling service       \$1,01.19.50         solid Waste Fund       Utility Deposits       FORESIGHT FARMS       Utility deposit refund       \$157.95         Electric Fund       Utility Deposits       FORESIGHT FARMS       Utility deposit refund       \$157.95					
Sewer Fund       Travel Expenses       WHALEN, COREY       Meals \$60, Mileage WWTP school       \$242.84         Sewer Fund       Utility Maint Materials       HARMONY FODDS       Ziplock bags for samples       \$43.89         Sewer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP, Lift Station 1 & 2 water       \$13.29         wer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP, Lift Station 1 & 2 water       \$1,350.71         wer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP, Lift Station 1 & 2 water       \$1,300.00         solid Waste Fund       Auditing and Acct g Services       SmithSchafer       2024 annual audit, general purpose       \$1,000.00         Solid Waste Fund       Software Service Fees       BANYON DATA SYSTEMS       Banyon software support       \$558.00         Solid Waste Fund       Other Fulpiument       ELAN FINANCIAL SERVICES       Tactacam Monthly tree dump cam service       \$13.00         Solid Waste Fund       Refuse/Garbage Disposal       RICHARDS SANITATION, LLC       January garbage & recycling service       \$8,111.21         Solid Waste Fund       Utility Deposits       FORESIGHT FARMS       Utility deposit refund 415 Main Ave       \$157.95         Electric Fund       Utility Deposits       FORESIGHT FARMS       Utility deposit less final bill <t< td=""><td></td><td>•</td><td>,</td><td></td><td></td></t<>		•	,		
Sewer Fund       Utility Maint Materials       HARMONY FOODS       Ziplock bags for samples       \$4.58         Sewer Fund       Utility Maint Materials       KINCSLEY MERCANTILE       WWTP - brass hose repair, screws, clamps       \$13.30.71         wer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP - brass hose repair, screws, clamps       \$13.20.71         wer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP - brass hose repair, screws, clamps       \$13.20.71         wer Fund       Solid Waste Fund       Auditing and Acct g Services       SmithSchafer       2024 annual audit, general purpose       \$1,00.00         Solid Waste Fund       Motor Fuely/Lubricants       WEX BANK (SINCLAR)       Corey Truck fuel       \$41.623         Solid Waste Fund       Other Equipment       ELAN FINANCIAL SERVICES       Tactacam Monthly tree dump cam service       \$13.00         Solid Waste Fund       Refuse/Garbage Disposal       RICHARDS SANITATION, LLC       Matress/box spring       \$21.06         Solid Waste Fund       Utility Deposits       BROSSARD, BOBBI       38 Main Ave Utility deposit refund       \$157.95         Electric Fund       Utility Deposits       FORESIGHT FARMS       Utility deposit refund       \$157.95         Electric Fund       Utility Deposits       FRYE, DEB       Utility deposit refund </td <td></td> <td>-</td> <td></td> <td></td> <td></td>		-			
Sewer Fund Sewer Fund       Utility Maint Materials       KINGSLEY MERCANTILE       WWTP - brass hose repair, screws, clamps       \$13.29         wer Fund       Water Utilities       HARMONY PUBLIC UTILITIES       WWTP, Lift Station 1 & 2 water       \$1,350.71         wer Fund       Solid Waste Fund       Auditing and Acct g Services       SmithSchafer       2024 annual audit, general purpose       \$1,000.00         Solid Waste Fund       Software Service Fees       BANYON DATA SYSTEMS       Banyon software support       \$558.00         Solid Waste Fund       Motor Fuels/Lubricants       WEX BANK (SINCLAIR)       Corey's Truck fuel       \$416.23         Solid Waste Fund       Refuse/Garbage Disposal       RICHARDS SANITATION, LLC       January garbage & recycling service       \$8,11.12         Solid Waste Fund       Refuse/Garbage Disposal       RICHARDS SANITATION, LLC       Matres/box spring       \$21.06         Solid Waste Fund       Utility Deposits       BROSSARD, BOBBI       38 Main Ave Utility deposit refund       \$157.95         Electric Fund       Utility Deposits       FORESIGHT FARMS       Utility deposit refund       \$157.95         Electric Fund       Electric Fund       Hittiltes       HARMONY PUBLIC UTILITIES       Steelights deposit refund       \$157.95         Electric Fund       Electric Fund       Electric BARMONY PUBL		•		· · · -	
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wer Fund       \$19,121.29         id Waste Fund       Solid Waste Fund       Auditing and Acct g Services       SmithSchafer       2024 annual audit, general purpose       \$1,000.00         Solid Waste Fund       Software Service Fees       BANYON DATA SYSTEMS       Banyon software support       \$558.00         Solid Waste Fund       Other Fuels/Lubricants       WEX BANK (SINCLAIR)       Corey's Truck fuel       \$416.23         Solid Waste Fund       Other Equipment       ELAN FINANCIAL SERVICES       Tactacam Monthly tree dump cam service       \$13.00         Solid Waste Fund       Refuse/Garbage Disposal       RICHARDS SANITATION, LLC       January garbage & recycling service       \$8,111.21         Solid Waste Fund       Refuse/Garbage Disposal       RICHARDS SANITATION, LLC       January garbage & recycling service       \$8,101.19.50         did Waste Fund       Utility Deposits       BROSSARD, BOBBI       38 Main Ave Utility deposit refund       \$157.95         Electric Fund       Utility Deposits       FORESIGHT FARMS       Utility deposit refund 415 Main Ave       \$157.95         Electric Fund       Utility Deposits       FRYE, DEB       Utility deposit less final bill       \$22.66         Electric Fund       Electric Utilities       HARMONY PUBLIC UTILITIES       Streetlights electric utilities       \$1,1,41.24         El		•		• • • •	
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cctric FundUtility DepositsBROSSARD, BOBBI38 Main Ave Utility deposit refund\$157.95Electric FundUtility DepositsFORESIGHT FARMSUtility deposit refund 415 Main Ave\$157.95Electric FundUtility DepositsFORESIGHT FARMSUtility deposit less final bill\$72.58Electric FundElectric Power for ResaleMI ENERGY COOPERATIVEPower for Resale\$69,680.46Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESStreetlights electric utilities\$11,41.24Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESTown clock electric utilities\$12,87.75Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESElectric acr chargers electric utilities\$25.19Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESElectric acr chargers electric utilities\$25.19Electric FundManagement FeesMMUASafety Mgmt Prog Jan, Feb & Mar 2025\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog Jau, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 Sth A\$785.80Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthy Fee\$500.00Electri	Solid Waste Fund	Refuse/Garbage Disposal	RICHARDS SANITATION, LLC	Matress/box spring	\$21.06
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Electric FundUtility DepositsFRYE, DEBUtility deposit less final bill\$72.58Electric FundElectric Power for ResaleMI ENERGY COOPERATIVEPower for Resale\$69,680.46Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESStreetlights electric utilities\$11,141.24Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESTown clock electric utilities\$14.27Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESTown clock electric utilities\$12.77Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESElectric car chargers electric utilities\$25.19Electric FundManagement FeesMMUASafety Mgmt Prog Jan, Feb & Mar 2025\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog July, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Utility Deposits	BROSSARD, BOBBI	38 Main Ave Utility deposit refund	\$157.95
Electric FundElectric Power for ResaleMI ENERGY COOPERATIVEPower for Resale\$69,680.46Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESStreetlights electric utilities\$1,141.24Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESTown clock electric utilities\$14.27Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESTown clock electric utilities\$14.27Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESElectric car chargers electric utilities\$25.19Electric FundManagement FeesMMUASafety Mgmt Prog Jan, Feb & Mar 2025\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog July, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Utility Deposits	FORESIGHT FARMS	Utility deposit refund 415 Main Ave	\$157.95
Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESStreetlights electric utilities\$1,141.24Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESTown clock electric utilities\$14.27Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESElectric car chargers electric utilities\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog Jan, Feb & Mar 2025\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog July, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$11,832.29Electric FundUtility Maint MaterialsWISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Utility Deposits	FRYE, DEB	Utility deposit less final bill	\$72.58
Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESTown clock electric utilities\$14.27Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESElectric car chargers electric utilities\$25.19Electric FundManagement FeesMMUASafety Mgmt Prog Jan, Feb & Mar 2025\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog July, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Electric Power for Resale	MI ENERGY COOPERATIVE	Power for Resale	\$69,680.46
Electric FundElectric UtilitiesHARMONY PUBLIC UTILITIESElectric car chargers electric utilities\$25.19Electric FundManagement FeesMMUASafety Mgmt Prog Jan, Feb & Mar 2025\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog July, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Streetlights electric utilities	\$1,141.24
Electric FundManagement FeesMMUASafety Mgmt Prog Jan, Feb & Mar 2025\$1,287.75Electric FundManagement FeesMMUASafety Mgmt Prog July, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Town clock electric utilities	\$14.27
Electric FundManagement FeesMMUASafety Mgmt Prog July, August, Sept 24\$1,244.13Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Electric Utilities	HARMONY PUBLIC UTILITIES	Electric car chargers electric utilities	\$25.19
Electric FundMotor Fuels/LubricantsWEX BANK (SINCLAIR)Brian's truck fuel\$61.67Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Management Fees	MMUA	Safety Mgmt Prog Jan, Feb & Mar 2025	\$1,287.75
Electric FundRepair/Maint Other EquipmentMOREM ELECTRIC, INCUnderground and gopher guard 235 5th A\$785.80Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Management Fees	MMUA	Safety Mgmt Prog July, August, Sept 24	\$1,244.13
Electric FundRepair/Maint VehiclesIRONSIDE TRAILER SALES & SERVIOil and filter change Brian's truck\$76.00Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Motor Fuels/Lubricants	WEX BANK (SINCLAIR)	Brian's truck fuel	\$61.67
Electric FundUtility Maint MaterialsMETERING & TECHNOLOGY SOLUTIODual receiver Comm. Electric meters - 42\$11,832.29Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Repair/Maint Other Equipment	MOREM ELECTRIC, INC	Underground and gopher guard 235 5th A	\$785.80
Electric FundUtility Maint MaterialsVISION METERING, LLCVM - Endsight - Monthly Fee\$500.00Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Repair/Maint Vehicles	IRONSIDE TRAILER SALES & SERVI	Oil and filter change Brian's truck	\$76.00
Electric FundAuditing and Acct g ServicesSmithSchafer2024 annual audit, general purpose\$1,000.00Electric FundSoftware Service FeesBANYON DATA SYSTEMSBanyon software support\$558.00	Electric Fund	Utility Maint Materials	METERING & TECHNOLOGY SOLUTIO	Dual receiver Comm. Electric meters - 42	\$11,832.29
Electric Fund         Software Service Fees         BANYON DATA SYSTEMS         Banyon software support         \$558.00	Electric Fund	Utility Maint Materials	VISION METERING, LLC	VM - Endsight - Monthly Fee	\$500.00
	Electric Fund	Auditing and Acct g Services	SmithSchafer	2024 annual audit, general purpose	\$1,000.00
ctric Fund \$88,595.28	Electric Fund	Software Service Fees	BANYON DATA SYSTEMS	Banyon software support	\$558.00
	Electric Fund			_	\$88,595.28

620 Economic Development Authority

Fund Descr	Object of Expense	Vendor	Comments	Amount
Economic Development	Telephone	HARMONY TELEPHONE CO (MI BROA	EDA	\$54.46
Economic Development	Legal Fees	NETHERCUT SCHIEBER ATTORNEYS	Ind Park agreemets, taxes	\$140.00
620 Economic Development Authority				\$194.46
				\$640,728.48

## \*Check Summary Register©

January 2025

	Name	Check Date	Check Amt	
10101	1st Southeast Bank-G			
1050e	WEX BANK	1/14/2025	\$196.34	Brian's truck fuel
70085	BAKER & TAYLOR	1/9/2025	\$145.58	Vox Books
70086	CANON FINANCIAL SERVICES, I	1/9/2025	\$44.00	Copier lease
70087	CENTER POINT LARGE PRINT	1/9/2025	\$1,740.24	Subrscription - Large print books
70088	FIRST SOUTHEAST BANK	1/9/2025		Energy Star frig + recycle Harmony bucks
70089	HARMONY FOODS	1/9/2025	\$7.29	Craft supplies, plaer plates
70090	HARMONY PUBLIC UTILITIES	1/9/2025	\$10,056.60	Comm Center sewer
70091	INGRAM LIBRARY SERVICES, IN	1/9/2025	\$293.46	Replacement book
70092	JUNIOR LIBRARY GUILD	1/9/2025	\$780.92	Subscription - children's books
70093	LOFFLER Companies, Inc	1/9/2025	\$22.54	Copier maintenance contract
70094	SOUTHEASTERN LIBRARIES CO	1/9/2025	\$343.10	Basic fees & Tech Support
70095	ANCOM TECHNICAL CENTER	1/14/2025	\$666.50	Belt cilps for pagers
70096	ASCAP	1/14/2025	\$445.00	2025 Copyright License
70097	ASTRUP DRUG	1/14/2025		Test strips, Glucose, Ibruprophen, etc
70098	AT&T MOBILITY	1/14/2025	\$83.11	Dec Ambulance cell phone, hot spot
70099	BADGER METER	1/14/2025	\$1,593.60	Cellular service Beacon meters 2025
70100	BOUND TREE MEDICAL	1/14/2025		Noseclips, electrodes, practi-valve pack
70101	BRAD MEYER CONSTRUCTION	1/14/2025	\$12,200.00	410 Main Ave S - front porch and electrical
70102	BRUENING ROCK PRODUCTS, I	1/14/2025	\$2,451.60	3/4"class A road rock
70103	CENTRAL PENSION FUND	1/14/2025	\$381.00	Union pension
70104	CULLIGAN	1/14/2025		Dec drinking water and dispenser rent, water b
70105	Custom Alarm	1/14/2025	\$1,216.98	Fire alarm monitoring 1/25-3/25
70106	DALCO	1/14/2025	\$806.36	Toilet paper - CC
70107	CARDMEMBER SERVICES	1/14/2025	\$4,777.87	Tactacam Monthly tree dump cam Dec
70108	EMS Management & Consultant, I	1/14/2025	\$336.00	12 ambulance trips coded
70109	ENVIRONMENTAL WATER SERVI	1/14/2025	\$1,500.00	Wastewater operations & mgmt
70110	FILLMORE CENTRAL SCHOOL	1/14/2025	\$600.00	FCHS Choir trip MN Timberwolves anthem 202
70111	FIRST INDEPENDENT BANK-RUS	1/14/2025	\$217,732.25	GO Bond interest payment, Series 2020A
70112	FIRST SOUTHEAST BANK	1/14/2025	\$138,819.00	Series 2021C water portion
70113	HAMMELL EQUIPMENT	1/14/2025	\$190.65	Replaced wiper arm and blade
70114	HARMONY CONSERVATION CLU	1/14/2025	\$700.00	Portion of porta potty rental - July 4th
70115	HARMONY FOODS	1/14/2025		Limeaway, Mr Clean, Clorox - CC
70116	MiBroadband	1/14/2025		Admin phone
70117	HAWKINS, Inc.	1/14/2025		Water - Chlorine cylinder
70118	I.U.O.E. LOCAL 49 FRINGE BENE	1/14/2025	\$4,425.00	Union health insurance
70119	IRONSIDE TRAILER SALES	1/14/2025	\$736.36	VC Replace tires, mount, balance, dispose
70120	IUOE LOCAL #49	1/14/2025	\$105.00	Union dues
70121	KINGSLEY MERCANTILE	1/14/2025	\$1,967.54	Parks- RV antifreeze, batteries, zip ties
70122	KWIK TRIP,INC	1/14/2025		Ambulance - fuel
70123	LEAGUE OF MINNESOTA CITIES	1/14/2025		Membership dues 1/1/25-12/31/25
70124	LEXIPOL	1/14/2025		EMS Learning Platform
70125	MAC QUEEN EQUIPMENT	1/14/2025		Leaf vac - Mesh tarp, carcololoc cord
70126	METERING & TECHNOLOGY SOL	1/14/2025		Electric meters
70127	METRO SALES	1/14/2025		Dec base rate, Nov usage
70128	MIENERGY COOPERATIVE	1/14/2025		Power for Resale
70129	MID-AMERICA BACKFLOW PREV	1/14/2025		Backflow testing, Parks
70130	MINNESOTA ENERGY	1/14/2025		WWTP gas utilities
70131	MISSISSIPPI WELDERS SUPPLY	1/14/2025		Medical oxygen - Amb
70132	MINN MUNICIPAL UTILITIES ASS	1/14/2025		Safety Mgmt Prog 1/1-12/31 2025
70133	MN STATE FIRE DEPT. ASSOC	1/14/2025		2025 MSFDA Dues
70134	MOREM ELECTRIC, INC	1/14/2025		Underground for Poet
70135	MOSQUITO CONTROL OF IOWA	1/14/2025		2024 Mosquito control spraying
70136	MN Public Facilities Authority	1/14/2025		2016 well note interest
70137	NCPERS Group Life Ins.	1/14/2025	\$16.00	Life insurance premium for 01/25

## City of Harmony

## \*Check Summary Register©

January 2025

	Name	Check Date	Check Amt	t i i i i i i i i i i i i i i i i i i i
70138	Nethercut Schieber Attorneys,	1/14/2025	\$600.00	Library legal issues; City Council, grant
70139	NORBY TREE SERVICE LLC	1/14/2025	\$600.00	Removed 1 Ash tree near football field, ground
70140	NORTHLAND BOND SERVICES	1/14/2025	\$51,170.00	Series 2024A street project principal
70141	ON THE CRUNCHY SIDE	1/14/2025	\$165.50	Golden Happenings holiday party
70142	PLUNKETTS PEST CONTROL, IN	1/14/2025	\$85.20	Rodent Control Program, SHOP
70143	RICHARDS SANITATION, LLC	1/14/2025	\$8,107.16	December garbage & recycling service
70144	SEMCAC	1/14/2025	\$1,830.00	Admin- 15% of Rehab Spent to Date
70145	Stantec Consulting Services	1/14/2025	\$71,683.60	UV Disinfection - Design & Bidding Phase
70146	TEAM LABORATORY CHEM. CO	1/14/2025	\$3,160.00	WWTP Mega bugs, Lift station degreaser
70147	TULIP TREE STUDIOS, LLC	1/14/2025	\$210.00	Business cards for six employees
70148	USA BlueBook	1/14/2025	\$265.27	Enclosed thermometer
70149	USABLE LIFE	1/14/2025	\$62.90	JAN Bill - Group ID 50059986-0001
70150	UTILITY CONSULTANTS, INC	1/14/2025	\$1,151.74	Water - Total Coliform 11/24 & 12/24 (4)
70151	VISION METERING, LLC	1/14/2025	\$500.00	Monthly Endsight fee - NOV 24
70152	VOLUNTEER FIREFIGHTER'S	1/14/2025	\$260.00	Harmony benefit dues
	1	Fotal Checks	\$637,817.92	

#### City of Harmony \*Cash Balances Cash Account: 10101 February 2025

Fund	2025 Begin Balance	Receipts	Disbursements	Transfers	Journal Entries	Payroll JEs	Balance	
<u> 10101 - 1st Southeast Bank-G</u>								
101 - General Fund	(\$1,310,998.42)	\$12,770.49	(\$492,058.84)	0	(\$6,689.78)	\$11,949.11	(\$1,785,027.44)	In Balance
201 - DTED Revolving Loan Program	\$144,467.56	\$7,508.36		0	\$355.85		\$152,331.77	In Balance
202 - CDBG Rehab Loan Program	\$15,730.19		(\$26,680.00)	0	\$4.07		(\$10,945.74)	In Balance
211 - Library Fund	\$44,004.81	\$168.24	(\$6,900.88)	0	\$73.64	(\$8,463.01)	\$28,882.80	In Balance
222 - Fire Fund	\$123,595.00	\$10,263.60	(\$7,575.49)	0	\$282.78		\$126,565.89	In Balance
223 - Ambulance Fund	\$309,479.01	\$16,403.82	(\$10,182.58)	0	\$720.59	(\$12,370.56)	\$304,050.28	In Balance
251 - Park Fund	\$107,702.00	\$60.00	(\$5,903.77)	0	\$243.46	(\$42.07)	\$102,059.62	In Balance
261 - Arts Fund	\$17,022.18		(\$847.50)	0	\$38.04		\$16,212.72	In Balance
312 - GO Bonds, Series 2002B	\$0.00			0	\$0.00		\$0.00	In Balance
314 - G.O. Impr Bonds, 2010A-3rdStSV	V \$0.27			0			\$0.27	In Balance
315 - G.O. Tax Abate Refund 2013A-C	C \$39,956.00			0	\$95.53		\$40,051.53	In Balance
316 - GO Tax Abatement Bonds 13B-H	(\$0.15)			0			(\$0.15)	In Balance
317 - GO Impr Bond-2014A-1st Ave SV	V \$143.79			0	\$0.34		\$144.13	In Balance
318 - G.O. Bond 2021C	\$88,934.74	\$252.34	(\$110,821.00)	0	\$0.00		(\$21,633.92)	In Balance
319 - 2020 Street GO BOND	\$377,269.33	\$16.32	(\$217,732.25)	0	\$381.44		\$159,934.84	In Balance
320 - Dairyland/Wickett Const.	\$0.00			0	\$0.00		\$0.00	In Balance
321 - 21A & 21B MiEnergy loan	(\$19,146.75)		(\$27,998.00)	0	\$0.00		(\$47,144.75)	In Balance
401 - Capital Projects Fund	\$386,010.69	\$30,000.00		0	\$994.65		\$417,005.34	In Balance
405 - TIF District #1	\$0.07			0			\$0.07	In Balance
410 - Trailhead Project	\$145.71			0	\$0.35		\$146.06	In Balance
418 - TIF District #5 (Antique Mall)	\$0.00			0	\$0.00		\$0.00	In Balance
419 - Third St SW Project	\$0.00			0	\$0.00		\$0.00	In Balance
420 - TIF District #6 (HECO)	(\$49.89)			0			(\$49.89)	In Balance
421 - First Ave SW Project	(\$0.10)			0			(\$0.10)	In Balance
422 - Well No 3 Project	\$0.00			0	\$0.00		\$0.00	In Balance
423 - 2017 Street & Utility Project	\$0.46			0	\$0.00		\$0.46	In Balance
424 - 2020 Street Project	(\$0.40)			0			(\$0.40)	In Balance
425 - Dairyland TIF 1-7	\$52,024.24			0	\$124.39		\$52,148.63	In Balance
426 - TIF 1-8 Oconnor	(\$0.36)			0	\$0.00		(\$0.36)	In Balance
427 - 2024 Street Project	(\$48,181.46)	\$18,847.51	(\$100,946.40)	0			(\$130,280.35)	In Balance
428 - WWTP UV PROJECT	(\$86,060.83)		(\$55,590.00)	0			(\$141,650.83)	In Balance
429 - Trail Extension 2024	(\$25,296.05)			0			(\$25,296.05)	In Balance
601 - Water Fund	\$152,457.09	\$33,658.29	(\$26,036.11)	0	\$380.75	(\$8,975.92)	\$151,484.10	In Balance
602 - Sewer Fund	(\$226,164.94)	\$49,896.00	(\$33,945.19)	0	\$0.00	(\$7,962.73)	(\$218,176.86)	In Balance
603 - Solid Waste Fund	\$24,500.74	\$15,324.87	(\$19,048.34)	0	\$57.45	(\$1,570.71)	\$19,264.01	In Balance
604 - Electric Fund	\$952,851.49	\$135,826.67	(\$167,824.47)	0	\$2,296.02	(\$5,469.82)	\$917,679.89	In Balance
605 - Storm Water Fund	\$113,981.47	\$5,352.73	(\$867.97)	0	\$275.16	(\$1,300.69)	\$117,440.70	In Balance
620 - Economic Development Authority	\$156,987.61		(\$248.92)	0	\$365.27	(\$118.52)	\$156,985.44	In Balance

#### City of Harmony \*Cash Balances Cash Account: 10101 February 2025

Fund	2025 Begin Balance	Receipts	Disbursements	Transfers	Journal Entries	Payroll JEs	Balance	
621 - Heritage Grove	\$0.00			0			\$0.00	In Balance
851 - Sanderson Memorial Trust Fund	\$0.00			0			\$0.00	In Balance
902 - Long Term Debt Account Group	\$0.37			0			\$0.37	In Balance
<u> 10411 - 4M</u>								
101 - General Fund	\$1,597,270.07	\$6,329.77		0			\$1,603,599.84	In Balance
318 - G.O. Bond 2021C	\$108,443.50			0			\$108,443.50	In Balance
604 - Electric Fund	\$0.00			0			\$0.00	In Balance
	\$3,097,079.04	\$342,679.01	(\$1,311,207.71)	\$0.00	\$0.00	(\$34,324.92)	\$2,094,225.42	

# CITY OF HARMONY CITY COUNCIL

# AGENDA ITEM COVER SHEET

Originating Staff:	Meeting Date:	Agenda Item No.
Alissa Stelpflug	February 11, 2025	4e
Agenda Section:	Item:	÷
Consent Agenda	MPCA – Compliance Evalua	tion Inspection
	I the increase and an and all require	
Mayor Donney has reviewed date.	I the inspection sheets, and all require	d documents are up to
	the inspection sheets, and all require	d documents are up to

Response letter to the MPCA regarding Corrective Action #1.

COUNCIL ACTION REQUESTED:

Carolle Ternus

MPCA

7381 Airport View Drive SW

Rochester MN 55902

RE: response to CEI and LOW

City of Harmony WWTP

NPDES # MN0022322

Please find the enclosed response as directed on page 10 of the CEI, LOW as received on 02/03/2025.

**Corrective Action:** "Within 30 days after receipt of this low, submit a plan for keeping analysis samples at the thermal preservation temperature of 6 C and below."

Of the 151 recorded samples sent to the UC labs for analysis as required 1 of these samples was found to be out of spec. The city has instituted and will continue to institute the following policies regarding sample preservation and verification of temperature at the time of sampling and at the time of release of said sample.

- 1) All samples (Influent & Effluent) shall contain a certified and calibrated thermometer that has not expired at all times.
- 2) Sample coolers shall be packed with ice to ensure proper temperature at the time of arrival to the lab.
- 3) Operators shall follow up with the lab to ensure samples have reached said lab within temperature specifications or short of that will notify MPCA Compliance offer and resample.
- 4) Operators will check the thermometer the two days the samplers are pulling samples.
- 5) The Operator Responsible in Charge will notify the lab to reach out immediately upon receipt of samples that do not meet the satisfactory temperature requirements that the NPDES and SDS permit outlined under the Sample Preservation and Procedures portion of said permits.

It is the hope of the City of Harmony as well as it's operators that this meets the requirements as outlined in the CEI, LOW.

Respectfully Submitted,

Rick Whitney Operator Responsible in Charge 101 N Gold ST Wykoff MN 55990 (507)391-1375

#### MINNESOTA POLLUTION CONTROL AGENCY

 Rochester Office
 7381 Airport View Drive SW
 Rochester, MN 55902
 507-285-7343

 800-657-3864
 Use your preferred relay service
 info.pca@state.mn.us
 Equal Opportunity Employer

February 3, 2025

The Honorable Steve Donney Mayor, City of Harmony PO Box 488 Harmony, MN 55939-0488

RE: Compliance Evaluation Inspection and Letter of Warning City of Harmony Wastewater Treatment Plant National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) Permit No. MN0022322

Dear Mayor Donney:

Enclosed/Attached is the Compliance Evaluation Inspection (CEI) Report and Letter of Warning (LOW) that resulted from an inspection of the Harmony Wastewater Treatment Plant in the City of Harmony (Regulated Party) on January 16, 2025, by Carolle Ternus of the Minnesota Pollution Control Agency (MPCA). The CEI consisted of a visual inspection of the Facility and a discussion with Rick Whitney, Contract Wastewater Operator and Corey Whalen, Wastewater Operator. In addition, there was a review of the monthly Discharge Monitoring Reports (DMRs) and other reports for the time period March 1, 2021 through November 30, 2024. Based on the results of the CEI, three violations of the terms and conditions set forth in the National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) permit were documented as alleged in the LOW. Please see the attached CEI Report and LOW for further detail.

Corrective actions and deadlines are listed on page ten of the Report.

Please be aware, this correspondence does not preclude the MPCA from taking further action in response to noncompliance identified.

#### Cybersecurity

Recent news of cyberattacks on critical infrastructure nationwide has highlighted the need to increase cybersecurity measures on critical systems. <u>Minnesota's Whole-of-State Cybersecurity Plan</u> identifies four goals, including strengthening the cyber-resiliency of critical infrastructure, specifically for water and wastewater systems. Please ensure that you are employing basic cybersecurity hygiene practices to mitigate cyber threats. You can do this by registering with the <u>Minnesota Fusion Center</u>, assessing your current cybersecurity practices, identifying significant vulnerabilities and taking actions to reduce risks, and creating a plan to recover from a cyber incident. Resources and guidance can be found at <u>EPA Cybersecurity for the Water Sector</u>, <u>Top Cyber Actions for Securing Water Systems</u>, or <u>CISA Cybersecurity Services & Tools</u>.

If you have any questions, please contact me at 507-206-2659 or 800-657-3864 and by email at <u>carolle.ternus@state.mn.us</u>. Thank you for your attention to this matter.

Sincerely,

Carolle Termus

This document has been electronically signed.

Carolle Ternus Environmental Specialist Municipal Division

CT:cac

Enclosure/Attachment

cc: Corey Whalen, City of Harmony (electronic) (w/attachment) Rick Whitney, Environmental Water Services (w/enclosure) Mark Hugeback, MPCA (w/attachment) Activity ID INS20250001 @ 3416

## MINNESOTA POLLUTION CONTROL AGENCY

#### Water Quality Point Source Program

#### **Compliance Evaluation Inspection Report**

#### Facility information:

Facility name: Harmony Wastewater Treatment Plant Permit number: MN0022322 Address: 120 10<sup>th</sup> Street Southeast, Harmony, Minnesota 55939 SIC code: 4952 - Sewerage Systems Permit expiration date: September 30, 2028 Facility design flow: 0.194 million gallons per day (MGD) average wet-weather (AWW) EPA facility type classification: EPA Minor (Minor: <1.0 MGD AWW Design; Major: >1.0 MGD AWW Design) Type of flow: Domestic Land application type: Biosolids Type IV

#### **Geographic information:**

MPCA region: MPCA Southeast Region County: Fillmore Basin: Upper Mississippi River, Lower Portion Major watershed: Upper Iowa River Receiving water: Pine Creek

#### Those present during the inspection:

Corey Whalen, Wastewater Operator, City of Harmony Rick Whitney, Contract Wastewater Operator, Environmental Water Services **MPCA representatives:** Carolle Ternus, Environmental Specialist

#### **Inspection information:**

Inspection date: January 16, 2025 Inspection category: Routine Inspection Inspection type: Wastewater Compliance Evaluation Inspection

#### Facility components:

- Activated Sludge extended aeration
- Dechlorination
- Disinfection (chlorination)
- Intermediate Clarification
- Preliminary treatment grit removal
- Preliminary treatment mechanical bar screen
- Primary treatment primary clarification
- Secondary Clarification
- Solids Handling Drying Beds
- Solids Handling Storage Tank
- Solids Treatment (mesophilic anaerobic digestion)
- Trickling Filter

#### Treatment plant operators:

Name	Email	Phone	Class	Expiration
Corey Whalen	coreywhalen@yahoo.com	507-251-2880	С	08/01/2025
Corey Whalen	coreywhalen@yahoo.com	507-251-2880	40	07/01/2026
Terry Bigalk	bigalk.tb@gmail.com	507-259-1552	С	05/01/2027

If any of the above Treatment plant operators, including their associated contact information are inaccurate, please submit those edits to Tracy Finch (<u>tracy.finch@state.mn.us</u>) and Andrea Ebner (<u>andrea.ebner@state.mn.us</u>).

#### **Facility contacts:**

Name	Relationship	Phone	Email
John Friel	is consultant for	612-712-2147	john.friel@stantec.com
Corey Whalen	is 24-Hour emergency contact-Primary for is Wastewater permit contact for	507-886-8122	<u>coreywhalen@yahoo.com</u>
Rick Whitney	is DMR recipient for is Online Subscriber for	507-391-1375	rickwhitney1000@gmail.com
Steve Donney	is responsible official for owns	507-886-8122	cityoffice@harmony.mn.us
Chris Johnson	is Wastewater permit contact for	507-886-8122	citywwtp@harmonytel.net
Devin Swanberg	is Wastewater Billing Contact for	507-886-8122	cityoffice@harmony.mn.us
Alissa Stelpflug	is Wastewater Billing Contact for	507-886-8122	cityoffice@harmonymn.gov

If any of the above contacts are inaccurate, please submit the appropriate form to <u>NPDES.PCA@state.mn.us</u>:

- To remove an Online Subscriber contact, please submit an <u>*e-Services: Request to remove account holder authorization*</u> (wq-wwprm7-100b)
- For all other contact updates, please submit a *Permit contact change form* (wq-wwprm7-72)

#### **Inspection Summary**

Inspection/Records Review Timeframe: March 1, 2021 to November 30, 2024

A Wastewater Compliance Evaluation Inspection was conducted on January 16, 2025 by Carolle Ternus of the Minnesota Pollution Control Agency (MPCA) to determine the compliance of Harmony Wastewater Treatment Plant with the terms and conditions of its National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) Permit.

	C Consultant	NC New Convellant	NU Net lasses at a d	
<b>Key:</b> A = Advisory	C = Compliant	NC = Non-Compliant	NI = NOT Inspected	NA = NOT Applicable

Compliance status	Requirement and notes		
	Overall physical condition of the plant		
	<b>Comments:</b> The Harmony Wastewater Treatment Plant (Facility) is well kept. Planning for a new Ultraviolet treatment component is 90% completed, and the Facility is planning for the construction to begin in early summer. Due to the cold, the MPCA toured all the treatment components except the trickling filter, as the door to that component was frozen shut. The Facility operators report that an effluent meter will be installed with the UV treatment construction.		
□NC □C ⊠A	Adequate Operation & Maintenance to achieve permit compliance		
<ul> <li>Certified Operator</li> <li>Maintenance schedule - daily, weekly, and monthly</li> <li>Chemical additives/Bioaugmentation approved</li> <li>Bypass structures – all structures capable of bypassing kept locked</li> </ul>			
	<b>Comments:</b> The City employs one state-certified Class "A" operator and three state-certified Class "C" operators. Two of the Class "A" and Class "C" operators are also state-certified for Type IV operations.		
	The Facility is incorporating the additive T151, a floating lift station cleaner, from Team Laboratory Chemical, LLC. at lift stations in the collection system to help reduce grease. The MPCA instructed the operators to contact Dann White, MPCA with information about the additive. The Facility will be requested to submit safety data sheets and maximum usage rate (lbs/day or gallons/day) to the MPCA. The information is being requested so when permits are reissued the information can be available for evaluation.		
	Inflow & Infiltration (I&I)/collection system		
	Number of lift stations: 2		
	<ul> <li>Alarm System: Supervisory control and data acquisition (SCADA), with audio and visual alarms</li> </ul>		
	Miles of sanitary sewer: 6		
	<ul> <li>Inspection/cleaning program frequency: One quarter to one third of the collection system is cleaned each year, plus any areas as needed. The cleaning is performed by Randy Chase Trucking, Inc.</li> </ul>		
	<ul> <li>I&amp;I ordinance in effect – If yes, is it enforceable: Yes, yes.</li> </ul>		

## Compliance status Requirement and notes

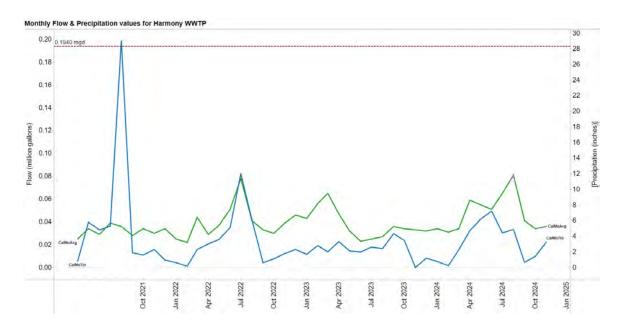
<b>Comments:</b> During the review period of March 1, 2021 to November 30, 2024, the city completed sump pump inspections, as well as replaced an estimated 60% of the collection system.
The City has done a good job of making the removal of clear water infiltration and inflow (I&I) from the sanitary collection system a priority. To protect the City assets and minimize operation costs, the City should continue to regularly investigate and maintain the sanitary sewer collection system. The City should continue to enforce a sump pump ordinance prohibiting property owners from discharging footing tile, sump pumps, roof drains, and ground water into the sanitary sewer.
Much like a sump pump ordinance, the MPCA also encourages the City to develop a process to address I&I from individual service laterals. In 2018, the League of Minnesota Cities (LMC) released a model ordinance to help cities keep clean water out of the sanitary sewer systems. The ordinance prohibits the discharge of clean water into the sanitary sewer system from defective plumbing and defective sewer service laterals. The ordinance also allows cities to develop an inspection program (citywide or at point of sale only), to require corrections by property owners, and assess penalties for violations and issue certificates of compliance to the property owner upon completion. Model ordinances should be customized as appropriate for an individual city's circumstances in consultation with the city's attorney.
The following links will provide guidance to the development of an I&I plan:
An LMC model ordinance for regulation to prevent clear water from entering the sanitary sewer system through sump pumps, defective plumbing, and defective sewer service laterals
https://www.lmc.org/media/document/1/inflowandinfiltrationmodel.docx?ssl=true.
A completed LNC Coniton ( Source System Accessment, The accessment can be found at

A completed LMC Sanitary Sewer System Assessment. The assessment can be found at: <a href="http://www.lmc.org/media/document/1/modelSanitarySewerSystemAssessment.docx">http://www.lmc.org/media/document/1/modelSanitarySewerSystemAssessment.docx</a>.

A completed EPA Capacity, Management, Operation, and Maintenance (CMOM) checklist. The checklist can be found at: <u>https://www3.epa.gov/npdes/pubs/cmomselfreview.pdf</u>

#### Flow data (compare design flow to actual flow)

- Design Flow: 0.194 MGD
- Actual Flow (3-4 yr. avg): 0.042 MGD or 21.43% of design flow



"Actual flow" data on the previous page includes reported influent flow data for the Facility's operation in the review period of March 1, 2021 to November 30, 2024 to date. Over this time, the Facility has on average treated wastewater at 21.43% of the design of the Facility.

The graph on the previous page is a summary of reported monthly average influent flow and total monthly precipitation data compared to the Facility's AWW design capacity for the period, March 1, 2024 to November 30, 2024. The dotted red line indicates the Facility's AWW design flow, the green line indicates the Facility's average treated flow and the blue line indicates total precipitation for the month. The graph will show the effect I&I with precipitation have on the Facility. During periods of high precipitation or snowmelt, increases in treated wastewater show I&I is affecting the Facility.

Compliance status	Requirement and notes	
□NC ⊠C □A	Equipment calibration - Flow instrument calibration methods	
	Flow equipment (pump run times, meters, etc.)	
	<b>Comments:</b> Calibrations records were available for review. The Facility uses First Systems Technology to calibrate or check the three-inch parshall flume and influent flow meter twice annually.	
□NC ⊠C □A	Releases/Incidents prohibited	
	<b>Comments:</b> The Facility reported no unauthorized releases of wastewater during the review period of March 1, 2021 to November 30, 2024.	

Compliance status	Requirement and notes		
	<ul> <li>Release follow-up:</li> <li>Immediately notify the Minnesota Duty Officer: 1-800-422-0798</li> <li>Take all reasonable steps to immediately end the release.</li> <li>Quickly recover as much of the materials and substances as you can.</li> <li>Provide notice to potential impacted public and downstream users.</li> <li>Collect a representative sample of the release.</li> <li>Report sampling results to the MPCA.</li> </ul>		
□NC □C □A ⊠NA	Release sampled and results submitted within 30 days		
□nc ⊠c □a	Nuisance conditions prohibited		
	<b>Comments:</b> There were no nuisance conditions noted during the inspection or reported for the Facility during the review period of March 1, 2021 to November 30, 2024.		
NI	Sampling methods/lab certification		
□NC ⊠C □A	Representative sampling (Sample type (e.g., Comp vs Grab) compliant with Limits & Monitoring, location, timing)		
□nc ⊠c □a	Additional sampling (If yes – reported on Discharge Monitoring Reports (DMRs) and Sample Values)		
	Certified lab analyzes samples or field parameters in-house and calibrations compliant		
	Certified laboratory name: UC Laboratories, Janesville, MN		
	<b>Comments:</b> A courier arrives once per week to pick up lab samples.		

Compliance sta	atus Requirement and no	Requirement and notes				
		Field parameter analysis: potential of hydrogen (pH)				
	Instrument	manufacturer and model: Oakton pH 7	700			
	Calibration procedure and records					
		<ul> <li>Minimum of two point calibration</li> <li>Buffers current (e.g., not expired)</li> </ul>				
		<ul> <li>Calibrated each day of sample</li> </ul>				
	-	<b>Comments:</b> The pH meter is calibrated before each use with two current pH buffers (7 and 10). Calibration records were available and reviewed.				
	Field parameter anal	ysis: Dissolved Oxygen (DO)				
		manufacturer and model: YSI Pro 20				
	Calibration     Calibration	procedure and records				
	<b>Comments:</b> The DO reviewed.	meter is calibrated daily. Calibration r	ecords were availa	ble and		
	-	ysis: Total Residual Chlorine (TRC) manufacturer and model: Hach DR 300	0			
		verification procedure and records	0			
	-	ainst standard at least monthly/quarte	erly			
□NC ⊠C [ □NA	A Method detection lin	nit and reporting limit established: 0.0	)3			
		<b>Comments:</b> Calibration records were available and reviewed. The Hach DR 300 is calibrated per instructions from the manufacturer. The TRC is checked against standard at least monthly.				
⊠nc □c [	A Sample preservation	Sample preservation and procedures				
		Holding times (e.g., pH, TRC, DO within 15 min., etc.)				
	<ul> <li>Thermal preservation adequate (&lt;6°Celsius)</li> <li>Composite samples refrigerated during sample collection if applicable</li> </ul>			e		
<ul> <li>Thermometers (Sample Fridge, etc. checked annually with National Institute of</li> </ul>						
	Standards a	Standards and Technology)				
		and certified thermometers were noted offluent sampling refrigerator.	d in the influent sam	npling		
		ected lab results, one sample was at a	-	-		
		thermal preservation temperature w		2024.		
<u> </u>	Discharge Monitorin Timeliness	g Reports/sample values/annual repo	rts			
		guired reports submitted on time)				
<ul> <li>Reports (Required reports submitted on time)</li> <li>Permit application submitted on time</li> </ul>						
Sample Values submitted on time						
DMRs submitted on time						
		A documented that two late DMRs an riod of March 1, 2021 to November 3		re submitted		
			_,			
			Submission	Submission		
Station	DMR monitoring period	Violation type	due date	received		
SD 003	04/01/2022 - 04/30/2022	Late	05/21/2022	08/31/2022		

Late

08/21/2022

08/22/2022

07/01/2022 -07/31/2022

SD 003

Station	DMR monitoring period	Violation type	Submission due date	Submission received
	04/01/2022 -			
WS 001	04/30/2022	Late	05/21/2022	08/31/2022
	07/01/2022 -			
WS 001	07/31/2022	Late	08/21/2022	08/22/2022

Compliance status	Requirement and notes		
□NC ⊠C □A	Completing Reports (DMRs, etc. complete and submitted on MPCA approved forms)		
	Accuracy (e.g., Lab data match all DMR values and frequency)		
	Chain of Custody (COC) forms (completely filled out, available, etc.)		
⊠nc □c	Frequency of sampling (as required by permit, no missed samples)		
	The MPCA documented one missing parameter for the review period March 1, 2021 to		
	November 30, 2024.		

#### DMR parameters

Type of parameter	Total required	Missing	Percent missing	Limit violations	Percent violations
All parameters	1328	1	0.08%	0	0%

## Parameters missing from submitted DMRs

Station	DMR monitoring period	Parameter
SD 003	09/01/2023 - 09/30/2023	Nitrogen, Ammonia, Total (as N) - Calendar Month Average [Avg Conc]

Compliance status	Requirement and notes
□nc ⊠c	Permit limit compliance: There were no permit limit violations for the review period of
	March 1, 2021 to November 30, 2024.

Compliance status	Requirement and notes				
□NC □C □A ⊠NA	Permit limit violation follow-up				
	Comments: The City did not report any effluent limit violations.				
NI	Record keeping				
□nc ⊠c □a	Maintain records for at least three years and with following:				
	<ul> <li>Place, date, time of sample/measurement</li> <li>Date of analysis</li> <li>Name of person performing sample/measurement, etc.</li> <li>Analytical techniques, procedures, and methods used</li> <li>Results of analysis</li> </ul>				
	<b>Comments:</b> All records are being kept as required by the permit.				
Enforcement actions over the review period:					
	Comments: April 22, 2021 NOV and June 22, 2023 NOV				
□nc □c □a ⊠na	Compliance schedule progress:				

<b>Compliance status</b>	Requirement and notes
	<b>Comments:</b> There are no compliance schedules for the review period.
□NC ⊠C □A □NA	Biosolids/land application sites:
	<b>Comments:</b> Annual biosolids report is due by December 31. The reports for 2021, 2022, 2023, and 2024 were submitted on time. Land application occurred in 2021, 2022, 2023, and 2024.
□NC □C □A	Pretreatment
⊠NA	Significant industrial users:
	Agreement in place and up to date
	Inspection frequency:
	Sampling frequency:
	Trucked-in waste accepted? If yes, sampled appropriately?
	Comments: The Facility has identified no Significant Industrial Users.

#### **Other/Additional comments:**

**The Phosphorus Management Plan** was due by March 30, 2024. The Plan was submitted on time on March 18, 2024.

Permit expiration: September 30, 2028. Application for permit reissuance: due by April 3, 2028.

The facility's NPDES/SDS Permit contains requirements for compliant operations and maintenance for the facility and its appurtenances. The facility is encouraged to fully review and frequently reference the permit to ensure fulfillment of the requirements. If the facility has any questions regarding the permit, they are encouraged to contact the MPCA staff assigned to the facility.

#### Letter of Warning

This is a Letter of Warning (LOW) issued by the Minnesota Pollution Control Agency (MPCA) to the City of Harmony (Regulated Party) for alleged violations of the following provisions of federal regulations, state statutes, rules, or permit conditions at the Regulated Party's Wastewater Treatment Plant located in Harmony, Fillmore County, Minnesota.

1. National Pollutant Discharge Elimination System/State Disposal System (NDPES/SDS) Permit MN0022322. Issued October 2, 2023. Expires September 30, 2028.

#### **Total Facility Requirements**

**5.11.114 Sample Preservation and Procedure.** Sample preservation and test procedures for the analysis of pollutants shall conform to 40 CFR pt. 136 and Minn. R. 7041.3200. [Minn. R. 7001.0150, subp. 2(B), Minn. R. 7041.3200]

Of the randomly selected lab results, one sample was noted on the lab form to be above the thermal preservation temperature of 6°C and was noted to be 8°C on June 26, 2024.

2. NPDES/SDS Permit MN0022322. Issued November 28, 2012. Expired October 31, 2017.

#### **Chapter 10. Total Facility Requirements**

1. General requirements

#### 1.21 Submitting Reports.

DMRs and DMR Supplemental Forms shall be postmarked or electronically submitted by the 21<sup>st</sup> day of the month following the sampling period or as otherwise specified in this permit. Electronic DMR submittal must be complete on or before 11:59 PM of the 21<sup>st</sup> day of the month following the sampling period or as otherwise specified in this permit. A DMR shall be submitted for each required station even if no discharged occurred during the reporting period. (Minn. R. 7001.0150, subps. 2.B and 3.H)

#### **Chapter 2. Surface Discharge Stations**

#### 1. Requirements for Specific Stations.

1.1 **SD 003:** Submit a monthly DMR by 21 days after the end of each calendar month following permit issuance.

#### Chapter 3. Waste Stream Stations

#### 1. Requirements for Specific Stations

1.1 **WS 001**: Submit a monthly DMR by 21 days after the end of each calendar month following permit issuance.

Station	DMR monitoring period	Violation type	Submission due date	Submission received
SD 003	04/01/2022 - 04/30/2022	Late	05/21/2022	08/31/2022
SD 003	07/01/2022 - 07/31/2022	Late	08/21/2022	08/22/2022

Station	DMR monitoring period	Violation type	Submission due date	Submission received
WS 001	04/01/2022 - 04/30/2022	Late	05/21/2022	08/31/2022
WS 001	07/01/2022 - 07/31/2022	Late	08/21/2022	08/22/2022

At the time of the inspection and file review on January 16, 2025, the MPCA documented that two late DMRs and two late SVs were submitted during the review period of March 1, 2021 to November 30, 2024. The violations were for April 2022 and June 2022.

3. NDPES/SDS Permit MN0022322. Issued November 28, 2012. Expired October 31, 2017.

#### Limits and Monitoring Requirements

SD 003: Total Facility Discharge

Parameter	Limit	Units	Limit Type	Effective Period	Sample Type Frequency
Nitrogen, Ammonia, Total (as N)	Monitor Only	mg/L	Calendar Month Average	Apr, Sep	24-Hour Flow 1 x Month Composite

At the time of the inspection and file review on January 16, 2025, the MPCA documented that the Regulated Party failed to sample for one parameter during the review period March 1, 2021 to November 30, 2024. See table below for detail.

Station	DMR monitoring period	Parameter
SD 003	09/01/2023 - 09/30/2023	Nitrogen, Ammonia, Total (as N) - Calendar Month Average [Avg Conc]

#### **CORRECTIVE ACTION**

To address the alleged violations cited in this LOW, the Regulated Party is to complete the following actions:

- 1. Within 30 days after receipt of this LOW, submit a plan for keeping analysis samples at the thermal preservation temperature of 6°C and below.
- 2. The late DMRs/SVs violations were discussed with the operators at the time of the January 16, 2025 inspection. The MPCA encourages the operators to keep close track of due dates for DMRs and SVSs. No further action is required.
- 3. The missing sample parameter violation was discussed with the operators at the time of the January 16, 2025 inspection. The MPCA encourages the operators to keep close track of parameters to be sampled. No further action is required.

If you believe the allegations in the LOW are incorrect, please respond in writing within ten days after receiving this LOW and explain any inaccuracies.

#### STATE OF MINNESOTA POLLUTION CONTROL AGENCY

Carolle Ternus

This document has been electronically signed.

Carolle Ternus Environmental Specialist Municipal Division

Address questions and submittals requested above to:

Carolle Ternus Minnesota Pollution Control Agency 7381 Airport View Dr SW Rochester, MN 55902-1847 507-206-2659 carolle.ternus@state.mn.us

February 3, 2025 Date signed

# CITY OF HARMONY CITY COUNCIL

# AGENDA ITEM COVER SHEET

Originating Staff:	Meeting Date:	Agenda Item No.
Alissa Stelpflug	February 11th, 2025	5a
Agenda Section:	Item:	
New Business	Burke Agreement	
BACKGROUND:		
The Fillmore County Attern	ov's Office has been working with the n	roporty owner of 160 and
•	ey's Office has been working with the p	• •
•	e attempts to sell the house. He has bee	
	repair or demolish it. Since the issue repair	mains unresolved, we
agreed to set a firm deadlin	e for action.	
An agreement has been dra	afted that sets a final deadline of July 30	, 2025, for either
demolishing or repairing the	e property to the city's satisfaction. The	agreement will also allow
the city to step in for cleanu	up or demolition if necessary, placing a l	lien on the property for
• •	torney's fees if enforcement is required.	
, U	· · ·	
ATTACHMENTS:		
COUNCIL ACTION REQUEST	TED:	
Approve Agreement Draft o	created by Fillmore County Attorney's O	ffice

#### AGREEMENT TO REPAIR OR REMOVE OLD HOUSE AND GARAGE FROM BURKE PROPERTY 160 2<sup>ND</sup> AVENUE, HARMONY, MINNESOTA 55939

THIS AGREEMENT, entered into this 11th day of February, 2025, by and between CITY OF HARMONY MINNESOTA (hereinafter "City") and Thomas Joseph Burke and Tonya Renee Burke, Husband and Wife, 33607 Garden Road, Harmony, Minnesota 55939,

(hereinafter "Burke").

WHEREAS, Burke is the owner of real estate located at 160 2<sup>nd</sup> Ave. SE, Harmony, MN 55939 (hereinafter "Burke property");

WHEREAS, Notices were sent to Burke from the City of Harmony commencing on May 18, 2023. In that first letter, the City of Harmony alleged that Burke property was in a state of disrepair in violation of Section 92.19 of the Harmony City ordinances. The May 18, 2023 letter requested that Burke repair the porch foundation, paint the trim around the windows, repair broken windows, repair the garage roof, and complete painting of the property;

<u>WHEREAS</u>, Additional notices were sent from the City of Harmony to Burkes on or about May 22, 2024 and July 22, 2024. These notices alleged similar violations of Section 92.19 of the City of Harmony Ordinances and made similar requests for Burke to repair the property;

**WHEREAS**, A citation was issued to Thomas Burke on or about August 15, 2024 for allegedly maintaining a public nuisance on the Burke property in violation of Minn. Stat. Sec. 609.74 (1). The nuisance violation was related to the failure to repair and maintain the Burke

property. The case has been assigned file #23-CR-24-430 and is currently pending in the Fillmore County District Court. The next scheduled hearing is March 21, 2025 at 2:00 P.M.;

WHEREAS, Burke wishes to enter into an agreement to resolve the criminal case # 23-CR-24-430 and any related civil actions by either repairing and fixing the Burke property to the satisfaction of the City of Harmony or demolishing and removing all of the structures from the Burke property:

WHEREAS, Burke and City desire that Burke be given until July 30, 2025, to either destroy and remove the old house/dwelling and old garage/shed the satisfaction of the City or fix and repair the old house/dwelling and old garage/shed to the satisfaction of the City. Burke recognizes that because of their past non-compliance that a specific timeline must be set forth in this agreement, and the City of Harmony must be given the opportunity to clean up the property at the expense of Burke if Burke should fail to completely comply with removal of the buildings or repair of the buildings before July 30, 2025;

<u>WHEREAS</u>, both parties agree that there is good and valuable consideration for this agreement;

**WHEREAS**, Burkes have been advised of their right to consult with an attorney of their own choice and they have been given the opportunity to do so prior to the signing of this agreement. City has had the advice and counsel of Fillmore County Attorney Brett A. Corson.

<u>WHEREAS</u> the parties have voluntarily and knowingly signed this agreement with a complete understanding of the terms of this agreement and believe this is a fair and equitable resolution of all issues.

NOW, THEREFORE, the parties agree as follows:

- 1. By July 30, 2025, Burke shall complete one of the following:
  - Burke shall completely destroy, demolish, and remove the old house/dwelling and the old garage/shed from the Burke property located at 160 2<sup>nd</sup> Avenue SE, Harmony, MN 55939 or;
  - Burke shall fix and repair the old house/dwelling and the old garage/shed located on the Burke property located at 160 2<sup>nd</sup> Avenue SE, Harmony, MN 55939.
- 2. Burke agrees that Harmony City Administrator shall have sole discretion in determining whether Burke has completely removed the old house/dwelling and old garage/she from the property in compliance with this agreement. Similarly, Burke agrees that Harmony City Administrator shall have sole discretion in determining whether Burke has properly fixed and repaired the old house/dwelling and old garage/shed in compliance with this agreement.
- 3. It is understood that destruction and removal of the old house/dwelling and old garage/shed means that the basement or foundation, structure, and all materials must be completely removed from the property, any hole must be filled, and the former house or garage site restored to a lawn or similar flat surface.
- 4. It is understood that if Burke chooses to fix and repair the old house/dwelling and old garage/shed, that this must at a minimum include the following:
  - a. The foundation on the porch must be repaired.
  - b. All broken and damaged windows and window frames must be repaired on both the house and garage.
  - c. The peeling paint on the window frames and trim must be painted/fixed.
  - d. The broken siding on the garage and siding which is falling off must be repaired.
  - e. The roofing and shingles which are falling off and any holes in the roofing must be repaired.
- 5. If the old house/dwelling and old garage/shed on the Burke property have not been completely demolished and removed from the Burke property by July 30, 2025, to the satisfaction of the Harmony City Administrator <u>or</u> if the old house/dwelling and old garage/shed have not been fixed and repaired to the satisfaction of the Harmony City Administrator then and in that event, City shall have the authority to enter upon the premises for the purpose of destroying and removing the old house/dwelling and old garage/shed from the Burke property or for the purpose of repairing and fixing the property. Burke shall cooperate in allowing City of Harmony representatives to enter upon the premises for these purposes.
- 6. City shall not be responsible for any injuries, losses, property damage, or other claims by Burke resulting from their entry upon the property to complete removal

and cleanup of the old house/dwelling, old garage/shed, and other nuisance materials. Burke hereby waives and releases any such claims for damages, injuries, or related claims against City.

In the alternative, City shall not be responsible for any injuries, losses, property damage, or other claims by Burke if the City of Harmony chooses to fix or repair the house and garage after the deadline of July 30, 2025. Similarly, Burke waives and releases any claims for damages, injuries, or related claims against City which arise or are related to their decision to fix, repair, and clean up the Burke property.

- 7. Burke shall be responsible for paying and reimbursing all costs and expenses incurred by City of Harmony if they must enter upon the premises after July 30, 2025, to complete the removal and cleanup of the old house/dwelling and the old garage/shed <u>or</u> to fix, repair, and clean up the property. Any demolition, removal, repair, or cleanup costs or expenses incurred by City shall first be paid by Burke within 30 days of completing the project or interest shall accrue on the balance owed. City of Harmony shall send a written notice to Burke of the amount of costs and monies owed for demolition, removal, repair, and cleanup of the old house/dwelling and old garage/shed, and related debris or nuisance materials. Once Burke receives written notice of the amount claimed to be owed to the City for demolition and removal <u>or</u> repair and cleanup of the old house/dwelling and old garage/shed, Burke shall then have thirty (30) calendar days to pay said sum of money to City for the demolition, removal, repair, and cleanup costs owed to City. If not paid within thirty (30) days of the written notice, interest shall accrue on the balance at a rate of nine percent (9%) per annum.
- 8. Any monies owed to City for the repair and/or cleanup which are not paid within thirty (30) days after notice is sent to Burke, shall accrue interest, and shall also be assessed against the real estate. Burke hereby consents to entry of judgment and/or assessment of the costs and expenses for repair, removal of debris, or cleanup against the above-described real estate.
- 9. Burke shall pay any and all reasonable attorneys fees and costs incurred by City to interpret or enforce the provisions of this agreement or to enforce demolition, removal, repair, and cleanup of the Burke property in accordance with this agreement. Satisfactory compliance with the demolition, removal, repair, and cleanup of the old house and old garage shall be determined at the sole discretion of City and the Harmony City Administrator.
- 10. This agreement shall be governed by Minnesota law and any legal action to interpret or enforce this agreement shall be venued in Fillmore County, Minnesota.
- 11. The parties acknowledge good and valuable consideration for this agreement.

12. Burke shall cooperate with City to allow them to enter upon the property at all times to ensure that Burke is making satisfactory progress in the demolition and removal <u>or</u> repair and fixing of the old house and old garage and cleanup of the property prior to July 30, 2025. If the old house and old garage is not removed or repoaired and the Burke property is not cleaned up by Burke prior to July 30, 2025, then and in that event Burke shall cooperate with City to ensure that they are able to enter upon the property and complete removal of the old house/dwelling and old garage/shed or to repair/fix said structures, and clean up the property. "Cooperation" by Burke includes allowing City or the representatives to enter upon the property, signing such documents as are necessary to complete the repair or cleanup process, and any other act to assist in fulfilling the terms of this agreement.

Dated this11th day of February, 2025.

CITY OF HARMONY

Thomas Burke/Landowner

By: Brett A. Corson Fillmore County Attorney

Tonya Burke/Landowner

By:

Mayor/City of Harmony

By:

Administrator/City of Harmony

## CITY OF HARMONY CITY COUNCIL

## AGENDA ITEM COVER SHEET

Originating Staff:	Meeting Date:	Agenda Item No.		
Alissa Stelpflug	February 11th, 2025	5b		
Agenda Section:	Item:			
New Business	Res 25-03 Amendment to Re	Res 25-03 Amendment to Res. 24-17 Final Levy		

### BACKGROUND:

An incorrect amount was levied for the General Obligation Improvement Bonds, Series 2024. To ensure accurate record-keeping and proper allocation of funds, I would like to request an update to our levy.

### ATTACHMENTS:

Email from Mike Bubany explaining what amount the Levy for the General Obligation Improvement Bonds Series 2024 should have been and why.

### **COUNCIL ACTION REQUESTED:**

Approve Resolution 25-03 – Amendment to Resolution 24-17

Before addressing the Sewer Fund, I'd like to remind you of the incorrect debt levy that was included in the preliminary levy request approved in September. The City only levied \$51,170 for the new 2024 bond issued incorrectly based on the payment due on February 1, 2025. However, with principal payments kicking in on February 1, 2026, we needed our 2025 revenues to be sized accordingly (as there is not time in January 2026 to generate those levies). The debt levy should have been \$126,721. As such, when you are doing your budget next Summer for collection in 2026, we may see yet another large levy increase percentage as we correct this. Below is a picture (on the right-hand side) showing how much the City should levy in the future and in what collection year. Feel free to contact me next budget season to ensure your revenues are designed appropriately.

	Pa	yment Schedule			
12-Month					Paymen
Period ending*	Principal	Coupon	Yield	Interest	Tota
6/3/2024	Dated Date				
2/1/2025	-			51,170	51,17
2/1/2026	95,000	4.00%	3.35%	77,400	172,40
2/1/2027	100,000	4.00%	3.22%	73,600	173,60
2/1/2028	105,000	4.00%	3.07%	69,600	174,60
2/1/2029	110,000	4.00%	3.00%	65,400	175,40
2/1/2030	115,000	4.00%	3.00%	61,000	176,00
2/1/2031	120,000	4.00%	3.00%	56,400	176,40
2/1/2032	120,000	4.00%	3.02%	51,600	171,60
2/1/2033	125,000	4.00%	3.04%	46,800	171,80
2/1/2034	130,000	4.00%	3.10%	41,800	171,80
2/1/2035	140,000	4.00%	3.30%	36,600	176,60
2/1/2036	145,000	4.00%	3.30%	31,000	176,00
2/1/2037	150,000	4.00%	3.55%	25,200	175,20
2/1/2038	155,000	4.00%	3.55%	19,200	174,20
2/1/2039	160,000	4.00%	3.70%	13,000	173,00
2/1/2040	165,000	4.00%	3.70%	6,600	171,60
	1,935,000			726,370	2,661,37

My last point on this topic is that the special assessment hearing for this project was to be held this Fall with revenues beginning collection next year as well. Please check with your Engineer that this has occurred.

### City of Harmony, Minnesota \$1,935,000 General Obligation Improvement Bonds, Series 2024A

Uses of Funds

Construction	1,497,505.99
Engineering	316,350.00
Contingency	75,000.00
Other	-
Total Project Costs	1,888,855.99
Underwriter's Compensation	1.3953% 26,999.76
Fiscal Fee	19,000.00
Bond Counsel	13,000.00
Pay Agent	750.00
Printing & Misc	1,650.00
Rating	15,000.00
Bond Premium	-
Excess Proceeds (to D/S Fund)	5,584.70
Capitalized Interest (to D/S Fund)	46,439.75
	2,017,280.20

Sources of Funds	
Bond Issue	1,935,000.00
Bond Premium	82,280.20
Construction Fund Earnings	-
City Cash	-
	2,017,280.20

### Robert W. Baird & Co., Inc. Final

Bond Details			
Set Sale Date			4/9/2024
Bid Date			5/14/2024
Sale Date			5/14/2024
Dated Date			6/3/2024
Closing Date			6/3/2024
1st Interest Payment			2/1/2025
Proceeds spent by:			12/31/2025
Purchase Price			1,990,280.44
Net Interest Cost			671,089.56
Net Effective Rate			3.695580%
Average Coupon			4,000000%
Call Option		@ par	2/1/2033
Weighted Avg. Maturity			9.377
Average Life			9.385
Bond Yield			3.31819%
Purchaser		Robert W. E	Baird & Co., Inc.
Bond Counsel		Taft Stettniu	us Hollister, LLP
Rating Agency		S & I	P Global Ratings
Pay Agent		Northland Tru	st Services, Inc.
Tax Status		Tax Exempt	, Bank Qualified
Continuing Disclosure			Limited
Rebate		Small Is	suer Exemption
Statutory Authority		MS, C	hapters 429, 475
Assessment Roll >>	566,331	28%	

Assessment Roll >>	566,331	28%
Rate >>	4.70%	
Term >>	15	

### Payment Schedule & Cashflow

	Pa	yment Schedule			-			Pledged Rev	enues	Account Bal	ances
12-Month					Payment	PLUS	Collection	Special	Tax	Surplus	Account
Period ending*	Principal	Coupon	Yield	Interest	Total	5%	Year	Assessments	Levies	(deficit)	Balance
6/3/2024	Dated Date								Initial Deposit	to D/S Fund >	52,024
2/1/2025	-			51,170	51,170	51,170	2024	-	-	(51,170)	854
2/1/2026	95,000	4.00%	3.35%	77,400	172,400	181,020	2025	53,445	126,721	(854)	-
2/1/2027	100,000	4.00%	3.22%	73,600	173,600	182,280	2026	53,445	128,835	-	-
2/1/2028	105,000	4.00%	3.07%	69,600	174,600	183,330	2027	53,445	129,885	-	-
2/1/2029	110,000	4.00%	3.00%	65,400	175,400	184,170	2028	53,445	130,725	-	-
2/1/2030	115,000	4.00%	3.00%	61,000	176,000	184,800	2029	53,445	131,355	-	-
2/1/2031	120,000	4.00%	3.00%	56,400	176,400	185,220	2030	53,445	131,775	-	-
2/1/2032	120,000	4.00%	3.02%	51,600	171,600	180,180	2031	53,445	126,735	-	-
2/1/2033	125,000	4.00%	3.04%	46,800	171,800	180,390	2032	53,445	126,945	-	-
2/1/2034	130,000	4.00%	3.10%	41,800	171,800	180,390	2033	53,445	126,945	-	-
2/1/2035	140,000	4.00%	3.30%	36,600	176,600	185,430	2034	53,445	131,985	-	-
2/1/2036	145,000	4.00%	3.30%	31,000	176,000	184,800	2035	53,445	131,355	-	-
2/1/2037	150,000	4.00%	3.55%	25,200	175,200	183,960	2036	53,445	130,515	-	· _
2/1/2038	155,000	4.00%	3.55%	19,200	174,200	182,910	2037	53,445	129,465	-	-
2/1/2039	160,000	4.00%	3.70%	13,000	173,000	181,650	2038	53,445	128,205	-	-
2/1/2040	165,000	4.00%	3.70%	6,600	171,600	180,180	2039	53,445	126,735	-	-
-	1,935,000			726,370	2,661,370	2,791,880	-	801,671	1,938,185	(52,024)	·····

### Resolution 25-03

### AMENDMENT TO RESOLUTION 24-17

### A RESOLUTION CERTIFYING THE PROPERTY TAX LEVY TO THE COUNTY AUDITOR IN 2024 FOR TAXES PAYABLE IN 2025

BE IT RESOLVED, by the council of the City of Harmony, Fillmore County, Minnesota that the following sums, be and hereby are, proposed to be levied upon the taxable property in the City of Harmony, County of Fillmore, State of Minnesota, in the year 2024, for taxes payable in 2025, for the following purposes:

LEVY PURPOSE	LEVY
General Fund	308,016
Library Fund	104,262
Fire Fund	46,350
Parks Fund	91,217
Arts Fund	9,000
Economic Development Authority Fund	120,488
General Obligation Improvement Bonds,	80,782
Series 2021C-Various Streets	
General Obligation Improvement Bonds,	71,000
Series 2020A	
General Obligation Improvement Bonds,	126,721
Series 2024	
Total Tax Capacity Levies	957,836

Voting for the Resolution: Voting Against the Resolution: Abstained from Voting: Absent: Domingo Kingsley

Motion carried and resolution adopted this 11<sup>th</sup> day of February 2025.

Steve Donney, Mayor

ATTEST:

Alissa Stelpflug, Administrator/City Clerk

## CITY OF HARMONY CITY COUNCIL

## AGENDA ITEM COVER SHEET

Originating Staff:	Meeting Date:	Agenda Item No.
Alissa Stelpflug	February 11, 2025	5c
Agenda Section:	Item:	·
New Business	Downtown Revitalization P	rogram
BACKGROUND:		
ATTACHMENTS:		
<b>COUNCIL ACTION REQUEST</b> EDA is recommending the Co Revitalization Program	E <b>D</b> : ouncil to approve the continuation of t	the Downtown

### **Downtown Revitalization Program – Guidelines**

### **APPLICATIONS ARE DUE BY NOVEMBER 1**

### Program goal

To protect and enhance the character of Harmony's historic downtown by strategically providing funding to renew and extend the life of core downtown buildings. Thereby supporting a core feature of the Harmony community which will retain and attract businesses and residents, improve tax base, and encourage new growth throughout the community.

This program will:

- Provide major grant funding for major visible exterior renovations that will be long term "once in a lifetime" type repairs/improvements.
- Provide funding for projects that would not otherwise happen without assistance.
- Eliminate barriers for participation in the program.
- Create high-impact results to save and improve the unique structures that give downtown Harmony its identity.

### Program overview

- 1. Up to \$40,000 is available each year.
- 2. The EDA may award all \$40,000 to one project. Ideally this project could fund one building each year, and over 10 years most of downtown will be renovated.
- 3. The EDA will accept applications from eligible property owners each year.
- 4. Applications are due November 1 each year.
- 5. A committee appointed by the EDA will review applications and recommend to the EDA and council the projects(s) to award by December 1.
- 6. Applications will be reviewed based on eligibility criteria, how it achieves the program goals, impact tot the community as a whole, need, and overall project scope.
- This program can provide up to 100% grant (no match required) structured as a forgivable loan.
   10% of the award amount will be forgiven each year until completely forgiven. If the building is sold, the prorated remaining portion must be repaid and will be immediately due in full.
- 8. This program can be used in conjunction with all other programs, assuming that program allows for use of this program (EDA loans, etc...).

### Application and award process

- 1. Applicants must complete the program application, provide supporting documents, and submit it to City Hall on or before November 1 each year.
- In addition to a completed application and supporting documents, applications must detail the project scope, cost, materials used, any ancillary improvements that will be made in addition to their application, and any other information that will show the benefit to Harmony's downtown and community at large.

### Additional rules

- Only commercially taxed properties generally between the intersection of Highway 52/139 south to 2<sup>nd</sup> Street SE along Main Street, between 1<sup>st</sup> Ave NW/SW and 1<sup>st</sup> Ave NE/SE are eligible. See eligibility Map for detail.
- 2. No self performance/self work allowed. All work must be completed by a third party that is licensed to do such work.
- 3. Materials must be of high quality, have long life expectancy (20+ years).
- 4. Project must not simply cover up, remove, or diminish historic features of the building.
- 5. Applicants may apply and be awarded multiple years in a row if funding, project size, and benefit to the community warrant additional funding.
- 6. EDA staff will help with questions, rules, and review/award process.

### Please submit application with supporting materials to City Hall, incomplete applications will not be accepted.

## CITY OF HARMONY CITY COUNCIL

## AGENDA ITEM COVER SHEET

Originating Staff:	Meeting Date:	Agenda Item No.
Alissa Stelpflug	February 11, 2025	5d
Agenda Section:	Item:	· ·
New Business	New Home Rebate Program	n
BACKGROUND:		
ATTACHMENTS:		
<b>COUNCIL ACTION REQUEST</b> EDA is recommending the Co Program	ED: ouncil to approve the continuation of t	the New Home Rebate

### New Home Rebate Program – Guidelines

It is the goal of this program to increase the housing stock and number of living units within Harmony; all rebates must demonstrate the ability to meet this goal.

- Cash rebate of up to \$20,000 per project, based on estimated taxable value of home. Condominiums, townhomes, twin homes, or other residential structures with zero lot lines are eligible provided they are constructed to be owner-occupied and each unit is divided into separate tax parcels.
- Rebate must be approved before any work begins.
- For owner-occupied residential properties only. Both new construction and renovation projects are eligible.
- Only one rebate per original lot will be awarded, regardless of how many new owner-occupied units are constructed on the original lot.
- Projects must increase the taxable market value of the property by at least \$40,000.
- EDA loan committee will review/approve each application, forwarding any questionable applications to full EDA for approval.
- FOR NEW CONSTRUCTION: Rebate paid once 100% of exterior features are complete (roof, siding, soffits, windows, doors, etc...), except when loan committee determines application will fall between rebate scales in which case the applicant will receive the rebate amount for the rebate bracket below, and the remaining rebate amount upon verification via final appraisal of property by county assessor.
- FOR RENOVATION PROJECTS: Rebate paid once 100% of the renovations are complete, all other criteria have been met, and a final property market value has been determined by the county assessor. Rebates for renovation projects will be awarded based on the increase in the final assessed value. Renovations must be of currently vacant or seriously dilapidated homes; rebates will not be awarded for projects such as finishing basements, kitchen remodels, additions, or other normal home maintenance or improvement projects as determined by the City.
- Rebates given until funds are gone or City ends program. Program will be reviewed at least annually.
- Rebate paid to applicant, unless directed otherwise by applicant.
- Spec and model homes qualify.
- There are no age, race, income, or residency limits/restrictions.
- Rebate recipient must be current on all city obligations (taxes, utilities, zoning issues, etc...) and EDA reserves right to deny application based on past history.

Rebates will be issued on a sliding scale as follows:

Increased Taxable Value	Rebate Amount	Increased Taxable Value	Rebate Amount
\$40,000 - \$60,000	\$1,500	\$250,001 - \$275,000	\$10,250
\$60,001 - \$80,000	\$2,000	\$275,001 - \$300,000	\$11,500
\$80,001 - \$100,000	\$2,500	\$300,001 - \$325,000	\$12,750
\$100,001 – \$125,000	\$3,200	\$325,001 - \$350,000	\$14,000
\$125,001 - \$150,000	\$4,200	\$350,001 - \$375,000	\$15,250
\$150,001 - \$175,000	\$5,400	\$375,001 - \$400,000	\$16,500
\$175,001 - \$200,000	\$6,600	\$400,001 - \$450,000	\$17,750
\$200,001 - \$225,000	\$7,800	\$450,001 - \$500,000	\$19,000
\$225,001 - \$250,000	\$9,000	\$500,001+	\$20,000

ALL projects must be approved by the EDA prior to ANY construction work beginning The EDA retains the right of ultimate right of review for each application and may deviate from the above criteria if it deems doing so is in the best interest of the community.

## CITY OF HARMONY CITY COUNCIL

## AGENDA ITEM COVER SHEET

Originating Staff:	Meeting Date:	Agenda Item No.	
Alissa Stelpflug	February 11, 2025	5e	
Agenda Section:	Item:	·	
New Business	Res. 25-04 Harmony UV Resolution – Request authorization to bid		
BACKGROUND: Update on th	-		
	and Approval letter from MN DOLI or		
(2) NPDES Permit came o will be issued beginning	off public notice last week & no comn ng of March.	nents received. New Permit	
(3) Still haven't received next month.	anything from MPCA. We should hav	e something within the	
(4) Requesting authorizat	tion to bid from the City Council and	to submit a bid	
advertisement in the	local paper.		
ATTACHMENTS:			
25-04 Resolution and "Draft"	Plans for Harmony UV Improvement	t Project	
COUNCIL ACTION REQUESTE			

### Resolution 25-04

### A RESOLUTION APPROVING PLANS AND SPECIFICATIONS AND ORDERING ADVERTISEMENT FOR BIDS

WHEREAS, the city engineer (Stantec Consulting) has prepared plans and specifications for the Wastewater Treatment Facility UV Disinfection Improvements project, has presented such plans and specifications to the council for approval;

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF HARMONY, MINNESOTA:

1. Such plans and specifications, a copy of which is attached hereto and made a part hereof, are hereby approved.

2. The city clerk shall prepare and cause to be inserted in the official paper (and in QuestCDN) advertisements for bids upon the making of such improvement under such approved plans and specifications. The advertisement shall be published for at least three weeks before the bids are to be opened, shall specify the work to be done, shall state that bids will be received by the clerk until 11 a.m. on April 3, 2025, at which time they will be publicly opened electronically by the city clerk and engineer, will then be tabulated, and will be considered by the council at 7:00 p.m. on April 8, 2025 in the council chambers of the city hall. Any bidder whose responsibility is questioned during consideration of the bid will be given an opportunity to address the council on the issue of responsibility. No bids will be considered unless sealed and filed with the clerk and accompanied by a cash deposit, cashier's check, bid bond or certified check payable to the clerk for 5 percent of the amount of such bid.

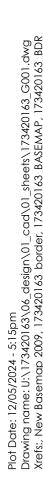
Voting for the Resolution: Voting Against the Resolution: Abstained from Voting: Absent:

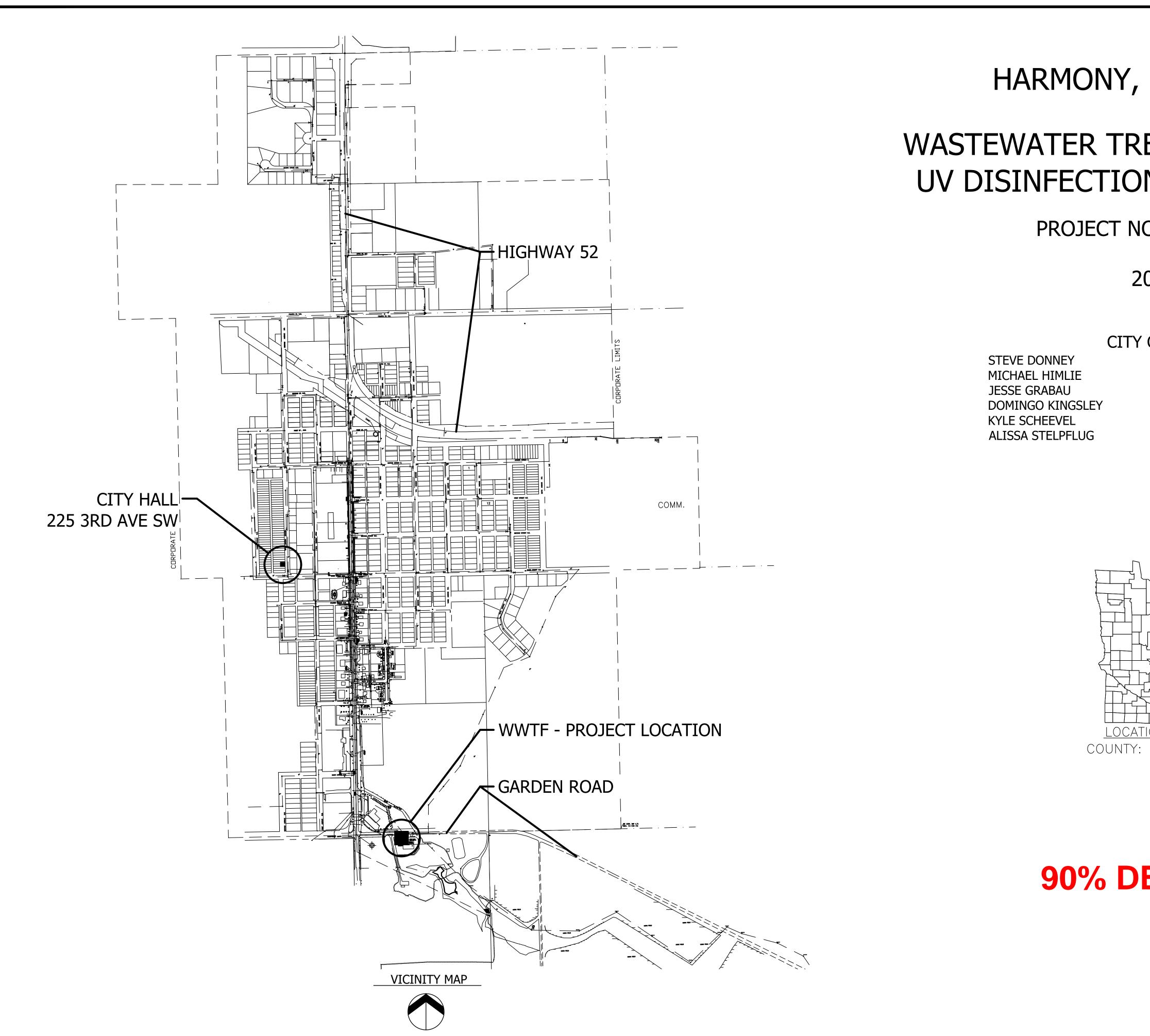
Motion carried and resolution adopted this 11<sup>th</sup> day of February 2025.

Steve Donney, Mayor

Alissa Stelpflug, City Administrator/ Clerk







# HARMONY, MINNESOTA WASTEWATER TREATMENT FACILITY **UV DISINFECTION IMPROVEMENTS** PROJECT NO. 173420163 2025 CITY OFFICIALS MAYOR COUNCILMEMBER COUNCILMEMBER COUNCILMEMBER COUNCILMEMBER CITY ADMINISTRATOR PROJECT LOCATION LOCATION MAP COUNTY: <u>FILLMORE</u> **90% DESIGN REVIEW SET**

		733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402	www.stantec.com
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA	PRINT NAME: JOHN M. FRIEL	SIGNATURE:	DATE: DECEMBER 9, 2024 LIC. NO.
CITY OF HARMONY, MINNESOTA	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	TITI E SHEET AND VICINITY MAP	
			ATE
SURVEY DRAWN DESIGNED CHECKED APPROVE PROJ. NO. SHE	D	73420	ACL JMF LHS JMF

## **NOTES - GENERAL**

- ALL WORK SHALL CONFORM TO THE APPROVED PLANS AND SPECIFICATIONS FOR 1. CONSTRUCTION AND THE CONDITIONS OF ALL APPLICABLE PERMITS.
- ITEMS NOT INCLUDED IN THE BID FORM AS A PAY ITEM BUT INCLUDED ELSEWHERE IN 2. THE PLANS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO
- THE OWNER AND SHALL BE CONSIDERED INCIDENTAL ITEMS. 3. A COPY OF THE APPROVED PLANS, SPECIFICATIONS, AND ALL REQUIRED PERMITS
- MUST BE ON-SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 4. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK, EXCEPT WHERE SPECIFICALLY NOTED.
- 5. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND
- ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE OWNER AND ENGINEER.
- CONTRACTOR SHALL PROVIDE A ONE (1) WEEK NOTICE TO ENGINEER, OWNER, AND 6. PROPERTY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF CONSTRUCTION FENCE (FOR 7. SAFETY, SECURITY, EROSION CONTROL, OR ANY OTHER PURPOSE) AS NECESSARY TO COMPLETE THE WORK. INSPECTION AND ACCEPTANCE OF ALL CONSTRUCTION FENCE INSTALLATION SHALL BE ACCOMPLISHED BY REPRESENTATIVE OF THE OWNER PRIOR TO COMMENCING WORK.
- 8. ALL MATERIALS INCLUDING EXCESS EXCAVATED MATERIAL, PIPE, UTILITIES, STUMPS, ROOTS, AND ANY OTHER ITEMS THE OWNER DOES NOT WISH TO SALVAGE SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY, INCIDENTAL TO THE CONTRACT.
- 9. THE CONTRACTOR SHALL KEEP STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF STREETS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY PUMPING AND PIPING NECESSARY TO COMPLETE THE WORK.

## NOTES - ONSITE HEALTH AND SAFETY, TRAFFIC CONTROL

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING OSHA STANDARDS FOR ALL CONSTRUCTION ACTIVITIES.
- 2. CONTRACTOR SHALL FOLLOW THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION.
- 3. THE CONTRACTOR SHALL FOLLOW MN DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS WHEN SETTING UP THE TRAFFIC CONTROL DEVICES.

### NOTES - EXISTING UTILITIES AND INFRASTRUCTURE

- ALL LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN ON THESE PLANS WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
- CONTRACTOR SHALL VERIFY ALL PLAN AND EXISTING ELEVATIONS. CONTRACTOR 2. SHALL FIELD VERIFY EXISTING STRUCTURES AND LOCATIONS OF ALL UTILITY CONNECTIONS TO EXISTING SYSTEMS PRIOR TO COMMENCING WORK
- MISCELLANEOUS ITEMS SUCH AS, AND NOT LIMITED TO, MAILBOXES, STREET LIGHTS, TRAFFIC LIGHTS, SIGNS, FENCES, POLES, ETC. SHALL BE PROTECTED OR REMOVED AND REINSTALLED BY THE CONTRACTOR INCIDENTAL TO THE CONTRACT.
- CONTRACTOR SHALL USE POTHOLING OR VAC-TRUCK EXPLORATION TECHNIQUES 4 TO LOCATE UNDERGROUND UTILITIES WHERE IDENTIFIED ON THE PLANS AND AS DETERMINED TO BE NECESSARY BY CONTRACTOR TO LOCATE AND AVOID EXISTING UTILITIES.
- 5. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADES WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.
- 6. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS DURING TRENCH EXCAVATION TO PROTECT EXISTING UTILITIES AND STRUCTURES FROM DAMAGE AND SETTLEMENT. ANY DAMAGE TO EXISTING UTILITIES AND STRUCTURES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES MAY NEED TO BE REMOVED BY CONTRACTOR AND REPLACED AFTER WORK IS COMPLETE - THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
- CONTRACTOR SHALL BE REQUIRED TO CLEAN AND MAINTAIN ROADWAYS, 7. SIDEWALKS, AND CURBS AFFECTED BY CONSTRUCTION ACTIVITIES, INCLUDING HAUL ROUTES, ON A WEEKLY BASIS, OR AS NEEDED. CONTRACTOR SHALL REPAIR ALL ROADWAYS, SIDEWALKS, AND CURBS TO THE CONDITION THEY WERE IN PRIOR TO THE START OF CONSTRUCTION, OR BETTER, PRIOR TO THE FINAL PROJECT COMPLETION. ALL COSTS FOR CLEANING, MAINTENANCE, AND REPAIR SHALL BE INCIDENTAL TO THE CONTRACT.
- CONTRACTOR MUST RE-ESTABLISH ANY DISTURBED PROPERTY PINS WITH SERVICES 8. OF REGISTERED LAND SURVEYOR (RLS) REGISTERED IN MINNESOTA. CONTRACTOR MUST SUBMIT CERTIFICATE OF SURVEY FOR EACH PROPERTY WITH RE-ESTABLISHED PROPERTY PINS. THE COST FOR RLS SERVICES SHALL BE INCIDENTAL TO THE CONTRACT.

## NOTES - EROSION AND SEDIMENT CONTROL

- 1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN T COLLECTION FACILITIES TO ENSURE THAT SEDIMEN ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM PROGRESSES AND UNEXPECTED CONDITIONS DICT CONTROL MEASURES MAY BE REQUIRED TO PREVEN THE SITE. DURING THE COURSE OF CONSTRUCTION, AND RESPONSIBILITY OF THE CONTRACTOR TO ADDI THAT MAY BE CREATED BY ITS ACTIVITIES AND TO P THAT MAY BE NEEDED TO PROTECT ADJACENT PROI
- 2. NON-COMPLIANCE WITH EROSION AND SEDIMENT CO QUALITY REQUIREMENTS, AND CLEARING LIMITS MAY
- PROJECT PERMITS, PLAN APPROVAL, AND BOND FOR 3. THE TEMPORARY SEDIMENT CONTROL DEVICES SHA GRADING OR EXTENSIVE LAND CLEARING IN ACCORE
- TEMPORARY EROSION CONTROL PLAN. 4. ALL EARTHWORK SHALL BE PERFORMED IN ACCORD STANDARDS.
- 5. THE SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD THESE SEDIMENT CONTROL MEASURES SHALL BE UPGRADED AS NEEDED.
- 6. ANY DISTURBED SOILS WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 14 DAYS (OR 7 DAYS IF WITHIN 1 MILE OF A SPECIAL OR IMPAIRED WATER) SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED EROSION CONTROL METHOD (I.E. SEEDING, MULCHING, EROSION BLANKET, ETC.).
- 7. EROSION PREVENTION MEASURES AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED AND REPAIRED AS NECESSARY WITHIN 24 HOURS FOLLOWING A STORM
- EVENT. 8. ALL EROSION PREVENTION MEASURES AND SEDIMENT CONTROL DEVICES SHALL CONFORM TO THE MINNESOTA POLLUTION CONTROL AGENCY GENERAL CONSTRUCTION STORMWATER PERMIT.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE PROJECT 9 CONSTRUCTION STORMWATER PERMIT. CONTRACTOR IS ALSO RESPONSIBLE FOR COMPLYING WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), IF APPLICABLE.

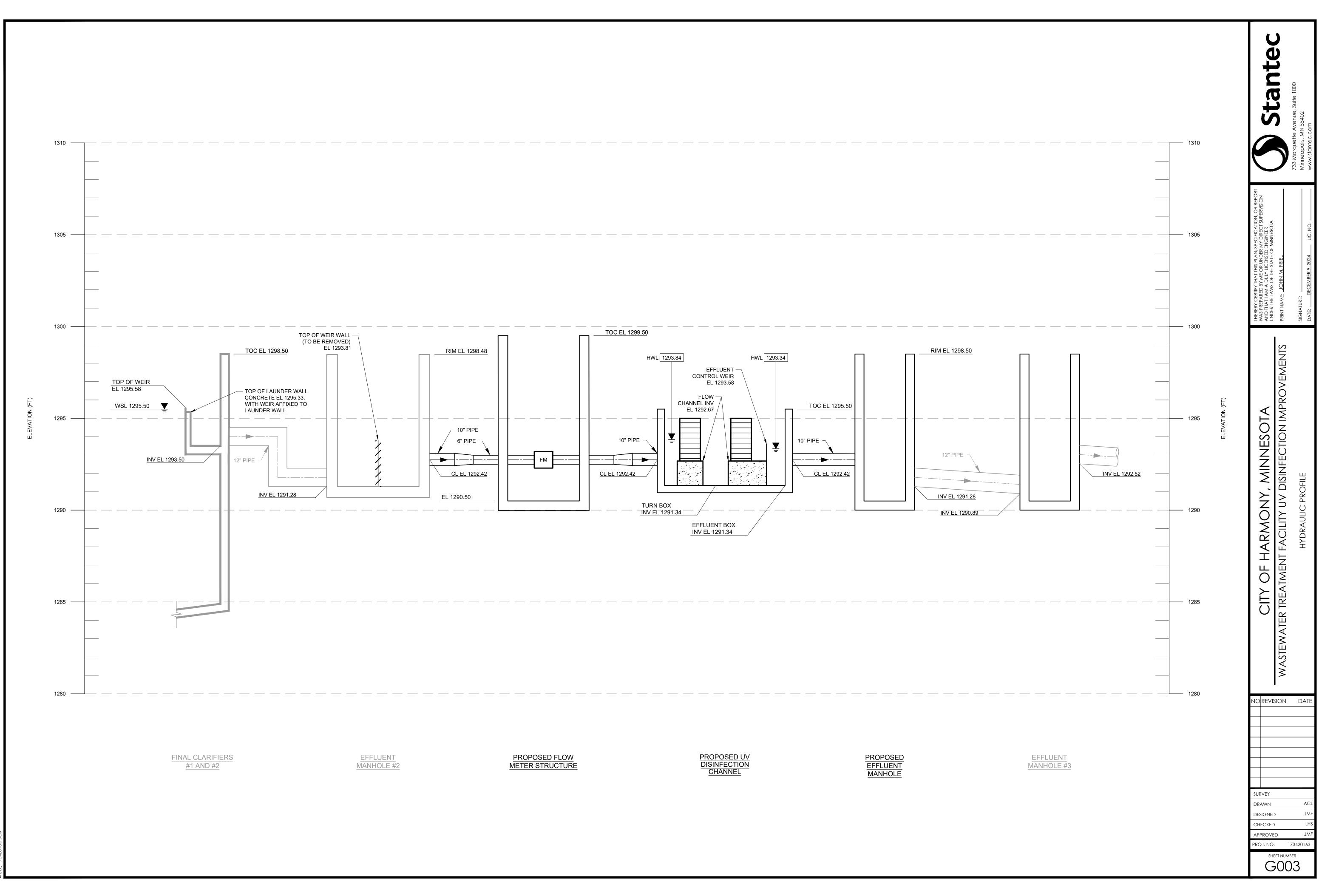
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	SHEET LIST
SHEET #	GENERAL
G001	TITLE SHEET AND VICINITY MAP
G001 G002	SHEET INDEX AND GENERAL NOTES
G002 G003	UV HYDRAULIC PROFILE
0005	
SHEET #	CIVIL
C001	CIVIL ABBREVIATIONS, NOTES, AND SYMBOLS
C002	EXISTING CONDITIONS AND REMOVALS
C003	CIVIL NOTES AND TYPICAL SECTIONS
C201	EROSION CONTROL PLAN
C301	SITE GRADING PLAN
C302	SOUTH DRIVEWAY PLAN AND PROFILE
C401	SITE PIPING PLAN
C402	SITE PIPING PROFILE
C801	CIVIL DETAILS
C802	CIVIL DETAILS
SHEET #	PROCESS
D001	PROCESS GENERAL NOTES AND SYMBOLS
D501	PROCESS DETAILS
DA101	UV BUILDING - PROCESS PLAN
DA102	UV BUILDING - PROCESS SECTIONS
DA103	EFFLUENT FLOW METER VAULT - PLAN AND SECTION
SHEET #	STRUCTURAL
S001	STRUCTURAL NOTES
	STRUCTURAL DETAILS
\$501 \$502	STRUCTURAL DETAILS
SA101	UV BUILDING FOUNDATION PLAN & ROOF FRAMING PLANS
SA301	UV BUILDING - STRUCTURAL SECTIONS
SA301 SA302	UV BUILDING - STRUCTURAL SECTIONS
SHEET #	ARCHITECTURAL
A001	ARCHITECTURAL ABBREVIATIONS, INDICATION OF MATERIALS, AND SY
A101	UV BUILDING - FLOOR PLAN, ROOF PLAN AND SCHEDULES
A201	UV BUILDING - EXTERIOR ELEVATIONS
A301	UV BUILDING - BUILDING SECTIONS
A302	UV BUILDING - BUILDING SECTIONS
SHEET #	MECHANICAL
M001	MECHANICAL LEGEND, SYMBOLS, AND ABBREVIATIONS
M101	HVAC FLOOR PLAN
M501	HVAC DETAILS AND SCHEDULES
SHEET #	PLUMBING
P001	PLUMBING LEGEND, SYMBOLS, AND ABBREVIATIONS
P101	PLUMBING FLOOR PLAN AND ISOMETRICS
1101	
SHEET #	ELECTRICAL
E001	ELECTRICAL ABBREVIATIONS, NOTES, AND SYMBOLS
E101	ELECTRICAL SITE PLAN
	CONTROL RISER DIAGRAM
E601	
E601 E701	POWER DISTRIBUTION ONE-LINE DIAGRAM
	POWER DISTRIBUTION ONE-LINE DIAGRAM         ELECTRICAL DETAILS         UV BUILDING - MOTOR AND INSTRUMENT PLAN

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	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED UNDER THE LAWS OF THE STATE OF MINNESOTA PRINT NAME: JOHN M. FRIEL	SIGNATURE:
	CITY OF HARMONY, MINNESOTA WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	GENERAL SHEET INDEX AND GENERAL NOTES
	NO REVISION	

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CIULINESCAI         CONTRUCTOR SUBJ         CONTRUCTOR SUB		CURB BOX		SAMPLING WELL		ROW MONUMENT	
PM     CUMTRAL BOX SQNUL     *****     R. CLOSSING CATE     IIII     TARKRESC CUMTRAL PRINT       CLAD ADT GARRES     ************************************		CATCH BASIN		ROCK	R/W POST	ROW MARKER POST	
Construction         Construction         Pack Resident         Pack Resident           CLUM CONSTRUCT         President         President         President         President           CLUM CONSTRUCT         President	0	COLUMN	RR	RR SIGNAL CONTROL BOX	۲	SECTION CORNER	
+1       CUUSTRY TWO       -1/10       RECULATION STATUCE US       NEW TOPOGRAPHIC SYMPOLS         IDE       PERSON DESCRIPTER       PERSON       SETURE USA       PERSON       PERSON         IDE       FILLE USA       SETURE USA       SETURE USA       PERSON       PERSON         IDE       FILLE USA       SETURE USA       SETURE USA       PERSON       PERSON       PERSON         IDE       FILLE USA       SETURE USA       SETURE USA       SETURE USA       PERSON       SETURE USA       PERSON         IDE       FILLE USA       SETURE USA       SET	CON	CONTROL BOX SIGNAL	RR GATE	RR CROSSING GATE	TS	TRAVERSE CONTROL	- POINT
Image: Problem of the state of the stat		CLEAN OUT (SEWER)	2	RR SIGNAL	BM	BENCH MARK LOCAT	ION
101       Mainten Unitation (Control American)       2       Since Link Link       *       Box L480         102       Flag Rolin       3       Settle Down Read       Since Lank       *       Box L480         102       Flag Rolin       3       Settle Down Read       Mainten Unitation       Mainten Unitation         102       Flag Rolin       3       Settle Down Read       Settle Down Read       Mainten Unitation         103       Flag Rolin       4       Solid Dosting       Since Settle Rolin       Mainten Unitation         103       Handboard E       4       Solid Dosting       Since Settle Rolin       Since Settle Rolin         104       Handboard E       4       Solid Dosting       Since Settle Rolin       Since Settle Rolin         104       How Rown F       Since Settle Rolin       Since Settle Rolin       Since Settle Rolin         104       How Rown F       Since Settle Rolin       Since Settle Rown Rown Rown Rown Rown Rown Rown Rown	• CLVT	CULVERT END	• G-REG	REGULATION STATION GAS			
Image: Discrete Service Servic	G	DRINKING FOUNTAIN	8	SATELLITE DISH	NEW TOP	POGRAPHIC SYM	BOLS
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GRIL       ↓       SOIL DORMS       ●       STORM SPONS BEFUNE CATCH MASIN         A       MANDIC/S SPACE       STAND PIR CAS       STORM SPONS BEFUNE CATCH MASIN         B       MANDIC/S SPACE       STAND PIR CAS       STORM SPONS BEFUNE CATCH MASIN         B       MANDIC/S SPACE       SPANDALER LENDO       STORM SPACE RELEATED IND SECTION         B       MYDRANT PUNNT MARCER (RELECTOR)       SSERIMLER VALVE RAVE       STORM SPACE OVERTION STRUCTURE         C       MYDRANT PUNNT MARCER (RELECTOR)       SSERIMLER VALVE ROWT ON LINE       STORM SPACE OVERTION STRUCTURE         C       MYDRANT PUNNT MARCER (RELECTOR)       SSERIMCE-CAS POINT ON LINE       STORM SPACE OVERTION STRUCTURE         C       MILE (SMALL DIA)       SSERIMCE-SAN SPACE POINT ON LINE       VALVE       STORM SPACE OVERTION STRUCTURE         C       LIFT STATION ONEY WELL       SSERIMCE-SAN SPACE POINT ON LINE       VALVE       STORM SPACE POINT ON LINE       VALVE         MAIL BOX       E       TRANSISSION TOWER LECTRC       MARCE RELEARE RAVE       DRAINAGE ROW         MAIL BOX       E       TRANSISSION TOWER LECTRC       MARCE ROWR       C       RELEARE WIRE ROWR         MAIL BOX       E       TRANSISSION TOWER LECTRC       MARNOLE-AUX RELEARE       DRAINAGE ROWR       C         MAIL BOX       E<		FUEL PUMP	SEPTIC	SEPTIC DRAIN FIELD	٠	MANHOLE	
A       MNDECKP SPACE       + cm       STARM SEVER CATCH BASIN         B       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         B       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         B       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         B       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         B       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         C       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         C       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         C       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         C       MNDECKP SPACE       * cm       STARM SEVER CATCH BASIN         C       ILLET STATION CATTOR MALL       * cm       STARM SEVER POINT ON LINE       * MAL REDUCE         C       ILLET STATION CATTOR MALL       * cm       STARM SEVER POINT ON LINE       * MAL REDUCE       * RAP         MIL RAA FOR       C       TESP PT LOC       * RAP       REDUCE       REDUCE       REDUCE         MAL RAA FOR       C       TESP CPL CAC       * RAP       REDUCE       REDUCE       REDUCE       REDUCE       REDUCE       REDUCE       REDUCE       <	$\leftarrow$	GUY WIRE		SIGN		SANITARY OR STOR	M LIFT STATION
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B       MUNICALE       Image: Second		HANDICAP SPACE	• G-PIPE	STAND PIPE GAS	-	STORM SEWER CATC	Ή ΒΔΩΙΝ
FIRE MYORMT       #MARKER (REFLECTOR)       #MORINALT RAVINE VALUE BOX       ■       STORM SEVER OVERLOW STRUCTURE         I       HYDRANT MARKER (REFLECTOR)       A       STUMP       Image: STORM SEVER OVERLOW STRUCTURE         I       INTER STATION CONTROL PAREL       A       STORM SEVER OVERLOW STRUCTURE       Image: Structure Structure         IIII LITI STATION CONTROL PAREL       A       STORM SEVER OVERLOW STRUCTURE       Image: Structure       Image: Structure       Ima	Η	HANDHOLE	Ŧ,	SPIGOT WATER	—	STORTSEWER	
X       HYDRANT VALVE       A       STUMP       STORM SEVER OVERFLOW STRUCTURE         X       HYDRANT VALVE       A       STUMP       CURB BOX         X       LIFT STATION CONTROL PANEL       ************************************		FIRE HYDRANT	SPRINKLER O	SPRINKLER HEAD		STORM SEWER FLAR	RED END SECTION
●       INUET (SMALL DIA)       ●●●●       SERVICE-GAS POINT ON LINE       ●       CLRB BOX         ●       LIFT STATION CONTROL PANEL       ●●●       SERVICE-SANITARY SEWER POINT ON LINE       ●       FIRE HYDRANT         ●       LIFT STATION NEY WELL       ●●●       SERVICE-SANITARY SEWER POINT ON LINE       ●       WATER REDUCER       VALVE         ●       LIFT STATION NEY WELL       ●●●       SERVICE-WATER POINT ON LINE       ●       VALVE       NULE         ●       LIFT STATION NEY WELL       ●●●       SERVICE-WATER POINT ON LINE       ●       VALVE       NULE         ●       LIFT STATION NEY WELL       ●●●       SERVICE-WATER POINT ON LINE       ●       VALVE       NULE       NULE         ●       LOOP DEFECTOR       □       TRANSMISSION TOWER ELECTRIC       NULE       NULE       NULE       NULE         ●       MAIL RELAY BOX       □       TRANSFORMER POWER       □       TRANSFORMER POWER       □       CARLE TY QUALITY LINE D       CARLE TY QUALITY LINE D         ●       MAIHOLE-GAS       #       TREE-DECIDOUS       □       CONO       CONO       CARLE TY QUALITY LINE D         ●       MAIHOLE-ANT RELASE       ●       TRAFE CISUAL       □<0	$\boxtimes$	HYDRANT PVMNT MARKER (REFLECTOR)	IVB	SPRINKLER VALVE BOX		STORM SEWER OUT	LET STRUCTURE
□       LIFT STATION CONTROL PANEL       ++	X	HYDRANT VALVE	A	STUMP	0	STORM SEWER OVER	RFLOW STRUCTURE
LIFT STATION DRY WELL       + 37445       SERVICE-STORM SEWER POINT ON LINE       • WATER REDUCER         (a)       LIFT STATION WET WELL       + 37445       SERVICE-WATER POINT ON LINE       • WATER REDUCER         (b)       LIGHT YARD       (c)       TELEHHONE REOTH       RIP ARP         (b)       LIOP DETECTOR       (c)       TEAST WIRE BOX       (c)       DRAINAGE R.OW         (c)       MAIL REAX       (c)       TRANSFORMER POWER       (c)       (c)       PEDESTRIAN RAMP         (c)       MAIL NOLA-SIR RELEASE       (c)       TRACE POLICON       (c)       PEDESTRIAN RAMP         (c)       MAINOLE-AIR RELEASE       (c)       TREE ODEIDOUS       (c)       COV (c)       CABE TV QUALITY LEVEL C         (c)       MAINOLE-AIR RELEASE       (c)       TREE-RUIT       (c) A (c)       (c)       CABE TV QUALITY LEVEL D         (c)       MAINOLE-AIRTARY SEVER       (c)       TREE-RUIT       (c) A (c)       (c) A (c) <t< td=""><td>0</td><td>INLET (SMALL DIA.)</td><td>• G-SER</td><td>SERVICE-GAS POINT ON LINE</td><td>•</td><td>CURB BOX</td><td></td></t<>	0	INLET (SMALL DIA.)	• G-SER	SERVICE-GAS POINT ON LINE	•	CURB BOX	
ILIF: STATION WET WELL       ************************************	CP	LIFT STATION CONTROL PANEL	• S-SER	SERVICE-SANITARY SEWER POINT ON LINE	+	FIRE HYDRANT	
Image: Service water Point on line       value         Image: Service water Point on line       value         Image: Service water Point on line       relephone Booth         Image: Service water Point on line       rest Private Electric         Image: Service water Point on line       rest Point Cover Cover One         Image: Service Water Point on line       rest Point Cover Cover One         Image: Service Water Point on line       rest Point Cover Cover One       Obstant Service         Image: Service Water Point One       rest Point Poi	DWo	LIFT STATION DRY WELL	• ST-SER	SERVICE-STORM SEWER POINT ON LINE	•	WATER REDUCER	
************************************		LIFT STATION WET WELL	• W-SER	SERVICE-WATER POINT ON LINE			
LOOP DETECTOR       Image Provider ELECTRIC         MAIL BOX       TEST PT LOC         MAIL BOX       TRACER WIRE BOX         MAIL RELAY BOX       TRACER WIRE BOX         MAINDLE-AIR RELEASE       TRANSFORMER POWER         MANHOLE-FIRET       Image Provider         MANHOLE-FOWER       TREE CEAN         MANHOLE-FOWER       TREE-CECIDUOUS         CTV-0       CTV-0       CABLE TV QUALITY LEVEL D         MANHOLE-SANTIARY SEWER       TREE-FRUIT       CTV-0       CABLE TV QUALITY LEVEL B         MANHOLE-SOWER       TREE-FRUIT       CTV-0       CTV-0       CABLE TV QUALITY LEVEL D         MANHOLE-SOWER       TREE-FRUIT       CTV-0       CTV-0       CABLE TV QUALITY LEVEL B         MANHOLE-SOWER       TRASH CAN       FP00       FP00       FP00       FP00         MANHOLE-SOWER       TRASH CAN       FP00       FP00       FP00       FP00       FP00         MANHOLE-SOWER       S       TRASH CAN       FP00	茶	LIGHT YARD	ß	TELEPHONE BOOTH			
MAIL BOX       Mail Selary BOX       Test PIT LOC       PEDESTRIAN RAMP         Image: Mail Relay BOX       Image: Mail Relay BOX       Image: Mail Relay BOX       Image: Relay BOX       Relay BOX         Image: Mail Relay BOX       Image: Relay BOX       Image: Relay BOX       Relay BOX       Relay BOX         Image: Mail Relay BOX       Image: Relay BOX       Image: Relay BOX       City Image: Relay BOX       City Image: Relay BOX         Image: Mail Relay BOX       Image: Relay BOX       Image: Relay BOX       City Image: Relay BOX       City Image: Relay BOX       City Image: Relay BOX         Image: Mail Relay BOX       Image: Relay BOX       Image: Relay BOX       City Image: Relay BOX	WM	LOOP DETECTOR	ELEC TOWER	TRANSMISSION TOWER ELECTRIC			
MAIL RELAY BOX       Image: Constraint of the constraint of t		MAIL BOX		TEST PIT LOC	-		
●       MANHOLE-HEAT       →       TREE DEAD       EXISTING PRIVATE UTILITY LINES         ●       MANHOLE-GAS       →       TREE-CONIFEROUS       CABLE TV QUALITY LEVEL D         ●       MANHOLE-SANITARY SEWER       ●       TREE-DECIDUOUS       CTV-0       CTV-0       CTV-0       CABLE TV QUALITY LEVEL D         ●       MANHOLE-SANITARY SEWER       ●       TREE-RUIT       CTV-4       CTV-4       CTV-8       CABLE TV QUALITY LEVEL D         ●       MANHOLE-SANITARY SEWER       ●       TREE-RUIT       CTV-4       CTV-4       CTV-8       CABLE TV QUALITY LEVEL D         ●       MANHOLE-SANITARY SEWER       ●       TREE-RUIT       CTV-4       CTV-4       CTV-8       CABLE TV QUALITY LEVEL D         ●       MANHOLE-SANITARY SEWER       ●       TRAFFIC SIGNAL       PD00       PD00 <td><math>\times</math></td> <td>MAIL RELAY BOX</td> <td>TR</td> <td>TRACER WIRE BOX</td> <td></td> <td>PEDESTRIAN RAMP</td> <td></td>	$\times$	MAIL RELAY BOX	TR	TRACER WIRE BOX		PEDESTRIAN RAMP	
Image: Solution of the second seco	AR	MANHOLE-AIR RELEASE	TRAN	TRANSFORMER POWER			
MANHOLE-POWER       G       TREE-DECIDUOUS	$\bigcirc \vdash$	MANHOLE-HEAT	×	TREE DEAD	EXISTING	S PRIVATE UTILI	TY LINES
ImamPole-Power       Image: Power       <	G	MANHOLE-GAS	*	TREE-CONIFEROUS	—— CTV-D —	CTV-D CTV-I	0/10/11/11 20/11/1
MANHOLE-SANITARY SEWER       Image: Fruit field of the second of the secon	E	MANHOLE-POWER	$\bigcirc$	TREE-DECIDUOUS			-
Image: Index of the series		MANHOLE-SANITARY SEWER	$\langle \cdot \rangle$	TREE-FRUIT			-
Image: Second		MANHOLE-STORM SEWER	TRASH	TRASH CAN			_
INMINISEL ONNOTING       IMATEGE ONNOTING       IMATEGE ONNOTING       IMATEGE ONNOTING       Image of the original of the	Ô	MANHOLE-COMMUNICATIONS	₽_₽	TRAFFIC SIGNAL			-
MANHOLE-WATER       MAVE       POWER QUALITY LEVEL C         METER POWER       GAVENT       VENT GAS       PEB       EB       EB       PA       POWER QUALITY LEVEL B         METER GAS       MATER REDUCER       G-D       G-D       G-D       G-D       GAS QUALITY LEVEL A         METER GAS       METER MARK       METLAND       G-C       G-C       G-C       G-C       GAS QUALITY LEVEL A         MINOLE       MILL CONTROL STRUCTURE       MEL-MONITORING       G-B       G-B       G-B       G-B       GAS QUALITY LEVEL A         METER DOWER       MELL-MONITORING       MELL-MONITORING       G-B       G-B       G-B       G-B       G-B       G-B       G-A       GAS QUALITY LEVEL A         MELL       MELL-MONITORING       MELL-MONITORING       G-B       G-B       G-B       G-B       G-B       G-B       G-A       GAS QUALITY LEVEL A         METER DOWER       MELL-MONITORING       MELL-MONITORING       MELL-MONITORING       G-B       G-B       G-B       G-B       G-B       G-B       G-A       G-B       G-B       G-B       G-B <t< td=""><td>?</td><td>MANHOLE-UNKNOWN</td><td>GAS</td><td>VALVE GAS</td><td></td><td></td><td>_</td></t<>	?	MANHOLE-UNKNOWN	GAS	VALVE GAS			_
• • GMETER       METER GAS       Image: Comparison of the comparison of		MANHOLE-WATER	$\bowtie$	VALVE			_
METER GAS       MATER REDUCER       G-D       G-D       G-D       GAS QUALITY LEVEL D         METER GAS       WETLAND       G-C       G-C       G-C       G-C       GAS QUALITY LEVEL D         METER GAS       WELL-MONITORING       WELL-MONITORING       G-B       G-B       G-B       GAS QUALITY LEVEL D         METER GAS       WELL-MONITORING       WELL-MONITORING       G-B       G-B       G-B       GAS QUALITY LEVEL A         METER GAS       WELL-MONITORING       WELL-WATER       C-D       C-D       C-D       C-D       COMMUNICATION QUALITY LEVEL D         METER GAS       WELL-WATER       WELL-WATER       C-D       C-D       C-D       C-D       COMMUNICATION QUALITY LEVEL D         METER GAS       WELL-WATER       WELL-WATER       C-D       C-D       C-D       C-D       C-D       COMMUNICATION QUALITY LEVEL D         METER GAS       WELL-WATER       WELL-WATER       C-D       C-D       C-D       C-D       COMMUNICATION QUALITY LEVEL D         METER GAS       WELL-WATER       WELL-WATER       C-D       C-D       C-D       COMMUNICATION QUALITY LEVEL D         METER GAS       WELL-WATER       WELL-WATER       C-C       C-C       C-C       C-C       C-D       C-D	- (j)	METER POWER	• G-VENT	VENT GAS			-
OHMM       ORDINARY HIGH WATER MARK       Image: Control structure	• G-METER	METER GAS	$\triangleright$	WATER REDUCER			-
Image: Contract control structure Image: Contract control structure   Image: Contract control structure Image: Control structure   Image: Control structure Image: Control structure		ORDINARY HIGH WATER MARK		WETLAND	———— G-C —	—— G-C —— G-C -	GAS QUALITY LEVEL C
PARKING METER WELL-WATER   PEDESTRIAN PUSH BUTTON   PEDESTRIAN PUSH BUTTON   PEDESTRIAN PUSH BUTTON   PEDESTRIAN PUSH BUTTON   PEDESTAL POWER   PEDESTAL CATV   PEDESTAL CATV   PEDESTAL COMMUNICATIONS	CONTROL	OUTLET CONTROL STRUCTURE		WELL-MONITORING			-
Image: PEDESTRIAR POSITION       Image: PEDESTRIAR POSITION Control         Image: PEDESTRIAR POSITION Control       Image: PEDESTRIAR POSITION Control         Image: PEDESTRIAR POSITION Control       Image: PEDESTRIAR POSITION Control         Image: PEDESTRIAR POWER       Image: PEDESTRIAR POWER         Image: PEDESTRIAR POWER       Image: PEDESTRIAR POWER         Image: PEDESTRIAR POWER       Image: PEDESTRIAR POWER         Image: PEDESTRIA CATV       Image: PEDESTRIAR POWER         Image: PEDESTRIA COMMUNICATIONS       Image: PEDESTRIAR POWER         Image: PEDESTRIAR POWER       Image: PEDESTRIAR POWER         Image: PEDESTRIAR POWER	$\bigcirc$	PARKING METER	WELL	WELL-WATER	——————————————————————————————————————	C-D C-D -	COMMUNICATION QUALITY LEVEL D
E       PEDESTAL POWER	PED	PEDESTRIAN PUSH BUTTON					•
Image: Contraction       Image: Contraction         Image: Contraction       Image: Contretion         Image: Contract	E	PEDESTAL POWER					_
C     PEDESTAL COMMUNICATIONS       PIV     OHU     OHU     OHU     OVERHEAD UTILITIES	CTV	PEDESTAL CATV					
		PEDESTAL COMMUNICATIONS					
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## EXISTING TOPOGRAPHIC LINES

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## SURVEY LINES

	BOUNDARY
	NEW CENTERLINE
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	NEW EASEMENT LINE
· · ·	FLOOD PLAIN BOUNDARY
	EXISTING LOT LINE
	NEW LOT LINE
· · · · · · · · · · ·	EXISTING RIGHT-OF-WAY
	NEW RIGHT-OF-WAY
	SETBACK LINE

## EXISTING UTILITY LINES

———— FM ———— FM ————
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## NEW UTILITY LINES

	FM <del></del>	<b>–</b> FM <b>–––</b>		
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## SANITARY SERVICE STORM SEWER WATER MAIN WATER SERVICE

FORCE MAIN

SANITARY SEWER

**RETAINING WALL** 

FENCE - BARBED WIRE

FENCE - CHAIN LINK

FENCE - DECORATIVE

FENCE - STOCKADE

FENCE - WOOD

**GUARD RAIL** 

TREE LINE

WETLAND

FENCE - ELECTRIC

FORCE MAIN SANITARY SEWER SANITARY SERVICE STORM SEWER DRAINTILE STORM SEWER WATER MAIN WATER SERVICE PIPE CASING

## FUTURE UTILITY LINES

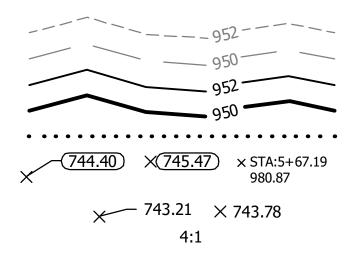
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FORCE MAIN SANITARY SEWER SANITARY SERVICE STORM SEWER DRAINTILE STORM SEWER WATER MAIN WATER SERVICE PIPE CASING

## CONCRETE CURB AND GUTTER

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EXISTING NEW FUTURE DEMOLITION



AD

BV BVCE BVCS ዊ CL. CMP C.O. DIP EL/ELEV EVCE EVCS ΕX FES F/F FM F.O. GV ΗP HWL INV Κ LP MH NTS NWL PC PCC ΡI PPVC PRC ΡT PVC PVI R RCP R/W SS STA TCE TNH TYP

VC

WM

## GRADING INFORMATION

EXISTING CONTOUR MINOR EXISTING CONTOUR MAJOR NEW CONTOUR MINOR NEW CONTOUR MAJOR NEW GRADING LIMITS / SLOPE LIMITS NEW SPOT ELEVATION

EXISTING SPOT ELEVATION RUN:RISE (SLOPE)

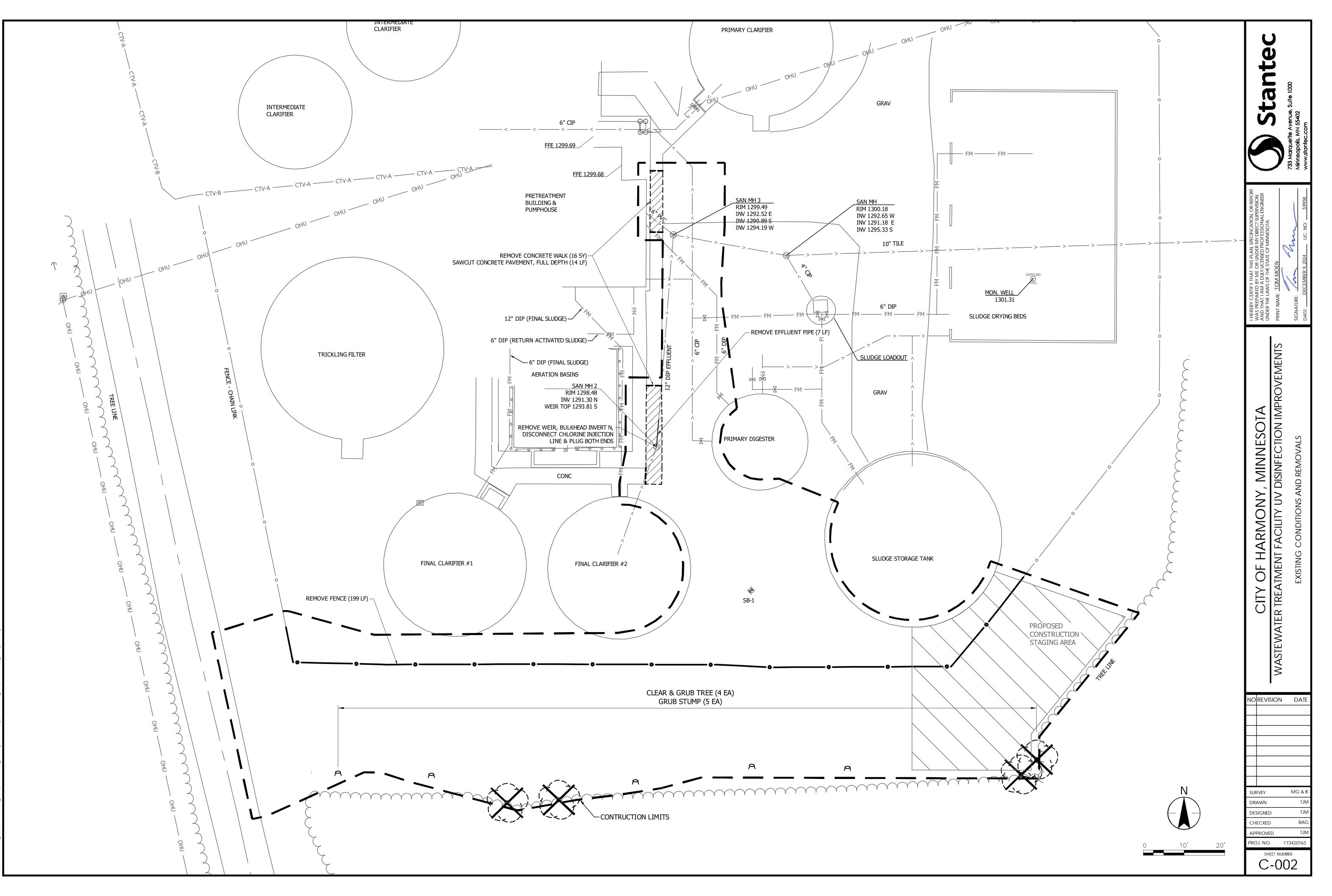
## ABBREVIATIONS

ALGEBRAIC DIFFERENCE BUTTERFLY VALVE BEGIN VERTICAL CURVE ELEVATION BEGIN VERTICAL CURVE STATION CENTER LINE CLASS CORRUGATED METAL PIPE CHANGE ORDER DUCTILE IRON PIPE ELEVATION END VERTICAL CURVE ELEVATION END VERTICAL CURVE STATION EXISTING FLARED END SECTION FACE TO FACE FORCE MAIN FIELD ORDER GATE VALVE HIGH POINT HIGH WATER LEVEL INVERT CURVE COEFFICIENT LOW POINT MANHOLE (SANITARY) NOT TO SCALE NORMAL WATER LEVEL POINT OF CURVE COMPOUND CURVE POINT OF INTERSECTION PROPERTY LINE PERFORATED POLYVINYL CHLORIDE PIPE POINT OF REVERSE CURVE POINT OF TANGENT POLYVINYL CHLORIDE PIPE POINT OF VERTICAL INTERSECTION RADIUS REINFORCED CONCRETE PIPE RIGHT-OF-WAY STORM SEWER STRUCTURE STATION TEMPORARY CONSTRUCTION EASEMENT TOP NUT HYDRANT TYPICAL VERTICAL CURVE WATER MAIN



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### CROSS SLOPE TRANSITIONS

### SOUTH DRIVEWAY

LEFT		RI	GHT
STA	CROSS SLOPE	STA	CROSS SLOPE
0+56.01'	-2.00%	0+56.01'	-2.00%
1+30.00'	-2.00%		
1+60.00'	2.00%		

### **GENERAL CONSTRUCTION NOTES:**

- CONSTRUCTION SHALL BE GOVERNED BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION (2020 EDITION) AND THE SPECIAL PROVISIONS OF THIS PROJECT. ALL COMMON EXCAVATION MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT AREA. ALL EXISTING TREATMENT FACILITY PROCESS PIPING, STRUCTURES, CONCRETE AND SITE FEATURES WITHIN THE PROJECT AREA NOT INTENDED TO BE REMOVED OR ABANDONED
- MUST BE PROTECTED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. 3. THE CONTRACTOR IS TO SALVAGE ALL AVAILABLE TOPSOIL WITHIN THE PROJECT AREA FOR RE-SPREADING DURING RESTORATION. IF THE CONTRACTOR "WASTES" EXISTING TOPSOIL
- IT SHALL BE THEIR RESPONSIBILITY TO PROVIDE TOPSOIL BORROW AS A REPLACEMENT AT NO COST TO THE OWNER. 4. THE TYPICAL SECTION SHOWS THE "TYPICAL" ROADWAY SECTION. CROSS SLOPES MAY VARY IN THE FIELD AS SHOWN ON THE GRADING PLAN AND STAKED DURING CONSTRUCTION.
- DUCTILE IRON FITTING WEIGHT SHALL BE PER AWWA C153.
- PER THE STANDARD SPECIFICATIONS, THE CONTRACTOR WILL BE REQUIRED TO TEST ROLL THE SUBGRADE PRIOR TO PLACING THE DESIGN ROADWAY SECTION. IF THE TEST ROLL FAILS, THE CONTRACTOR WILL BE REQUIRED TO MOISTURE CONDITION "FARM" THE SUBGRADE TO A DEPTH OF NO LESS THAN 12" TO MODIFY THE SOIL TO ITS OPTIMUM MOISTURE BEFORE ANY CORRECTIVE ACTION IN THE FORM OF FABRIC OR INCREASED SECTION WILL BE CONSIDERED. (INCIDENTAL)
- 7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING UTILITY SIZES, DEPTHS, LOCATIONS AND MATERIAL TYPES PRIOR TO STARTING THE INSTALLATION OF NEW UTILITIES. (INCIDENTAL)

### SOIL AND CONSTRUCTION NOTES:

ALL DISTURBED AREAS SHALL BE RESTORED WITH A MINIMUM OF 4" OF TOPSOIL.

(2)

- 2. ALL SLOPES IN THIS PLAN ARE 1 VERTICAL TO X HORIZONTAL.
- 3. THE FOLLOWING COMPACTION REQUIREMENTS WILL BE USED:

MATERIAL
EMBANKMENT
AGGREGATE BASE

### COMPACTION METHOD SPECIFIED

MODIFIED PENETRATION INDEX METHOD

TRAFFIC CONTROL NOTES

- ALL TRAFFIC CONTROL DEVICES, TEMPORARY LANE CLOSURE ARRANGEMENTS, AND SIGNING SHALL CONFORM TO THE MnMUTCD AND THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, CURRENT EDITION.
- ALL TRAFFIC LANES SHALL BE A MINIMUM OF 11 FEET IN WIDTH UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL MAINTAIN A ONE FOOT MINIMUM CLEAR DISTANCE BETWEEN THE EDGE OF THE TRAVEL LANE AND THE NEAREST EDGE OF ANY ADJACENT TRAFFIC CONTROL DEVICES (DRUMS, BARRICADES, BARRIERS, ETC) UNLESS NOTED OTHERWISE.
- 4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER.
- 5. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL DEVICES REQUIRED FOR CONSTRUCTION.
- 6. FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO BE MADE TO THE TRAFFIC CONTROL LAYOUTS.
- 7. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED. ALL ORANGE SIGNS SHALL BE MADE OF DIAMOND GRADE ORANGE REFLECTIVE SHEETING OR AN APPROVED SUBSTITUTE.
- 8. BARRICADES SHALL BE TYPE III AND SHALL BE CONSTRUCTED OF LIGHT MATERIAL. THE ACTUAL NUMBER OF BARRICADES AT EACH LOCATION REQUIRED MAY VARY DEPENDING ON THE SIZE OF THE BARRICADE USED.
- 9. ALL SIGNS PROVIDED BY THE CONTRACTOR FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE WHEN THEY ARE NO LONGER NEEDED.
- 10. 1:2 MAXIMUM TEMPORARY CONSTRUCTION EDGE SLOPES SHALL BE MAINTAINED AT ALL TIMES EXCEPT WHEN EXCAVATION WORK TEMPORARILY MANDATES STEEPER EDGE SLOPES, AS APPROVED BY THE ENGINEER. CONTRACTOR SHALL MINIMIZE WORK LENGTHS TO FACILITATE IMMEDIATE REESTABLISHMENT OF 1:2 MAXIMUM TEMPORARY EDGE SLOPES FOLLOWING THE EXCAVATION WORK TO THE SATISFACTION OF THE ENGINEER. 1:1 MAXIMUM TEMPORARY CONSTRUCTION EDGE SLOPES MAY BE USED IF PROTECTED BY PORTABLE PRECAST CONCRETE MEDIAN BARRIER.
- 11. ALL SIGNS AND TRAFFIC CONTROL SHALL BE LIKE NEW AND REFLECT UNIFORMLY AT NIGHT AND INCLUDE FLASHER.
- 12. SPACING OF SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED AS APPROVED BY THE ENGINEER.
- 13. THE CONTRACTOR SHALL SUBMIT A TRAFFIC MANAGEMENT AND TRAFFIC CONTROL PLAN TO THE ENGINEER TO REVIEW PRIOR TO THE START OF CONSTRUCTION. 14. PAYMENT FOR TRAFFIC CONTROL IS INTENDED TO COVER COSTS FOR MULTIPLE SET-UPS OF TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS AND ANY OTHER TRAFFIC CONTROL ITEMS
- NEEDED. 15. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL OPEN EXCAVATIONS AND EDGE DROPS AS DETAILED IN THE FIELD MANUAL OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

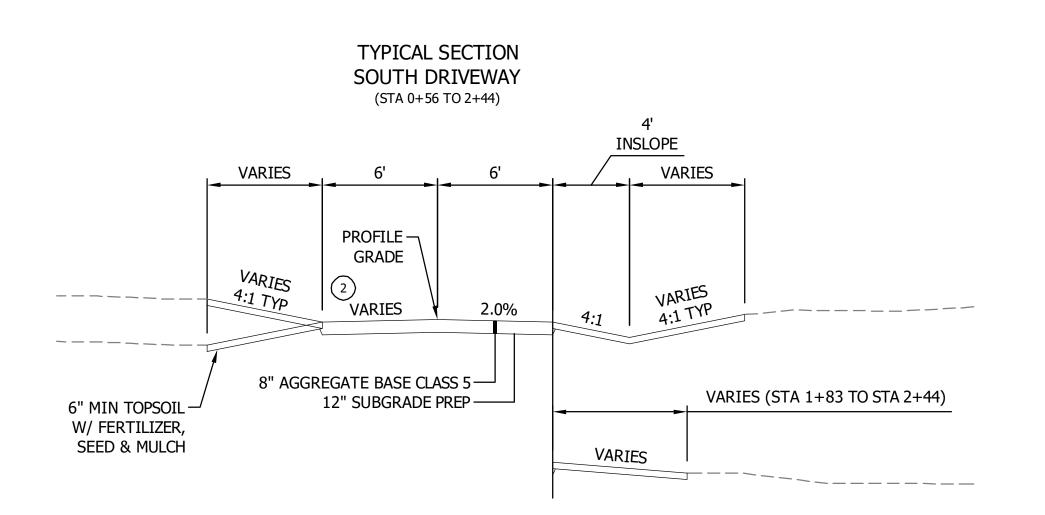
**PROJECT CONTROL NOTES:** 

- 1. ALL COORDINATES ARE FILLMORE COUNTY COORDINATE SYSTEM
- 2. HORIZONTAL COORDINATES ARE BASED ON GEODETIC POSITION NAD 83 (2011)
- 3. VERTICAL ELEVATIONS ARE BASED ON MINNESOTA GEOID 18 AND TIED TO MNDOT GSID STATION #99952
- 4. PIPE LENGTH AND ELEVATIONS IN PROFILES ARE TO CENTER OF STRUCTURE

### SUBSURFACE UTILITY INFORMATION:

THE SUBSURFACE UTILITY INFORMATION ON THIS PLAN IS SHOWN TO UTILITY QUALITY LEVEL "D". THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. LEVEL D - INFORMATION COMES SOLELY FROM EXISTING UTILITY RECORDS.

PRIVATE UTILITIES ARE SHOWN IN THE LOCATIONS PROVIDED BY THE OWNER PRIOR TO CONSTRUCTION.



## EROSION AND SEDIMENT CONTROL NOTES:

- 1. THE BMP'S SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES, THE CONTRACTOR SHALL ANTICIPATE THAT ADDITIONAL BMP'S MAY BE REQUIRED AS SITE CONDITIONS CHANGE AND SHALL PROVIDE ADDITIONAL BMP'S TO MEET APPLICABLE REQUIREMENTS.
- 2. ALL WORK AND MATERIALS SHALL BE CONSTRUCTED ACCORDING TO THE APPROVED PLANS AND SPECIFICATIONS. ANY DEVIATION FROM THE APPROVED PLANS SHALL REQUIRE WRITTEN APPROVAL FROM THE OWNER.
- 3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY REMOVAL WORK AND/OR DISTURBING ACTIVITIES AND SHALL BE MAINTAINED UNTIL THE POTENTIAL FOR EROSION HAS BEEN ELIMINATED.
- 4. THE CONTRACTOR WILL STABILIZE ALL EXPOSED SOIL AREAS AS SOON AS POSSIBLE TO LIMIT SOIL EROSION BUT IN NO CASE LATER THAN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS AND THE CONSTRUCTED BASE COMPONENTS OF ROADS, PARKING LOTS AND SIMILAR SURFACES ARE EXEMPT FROM THIS REQUIREMENT.
- 5. ALL AREAS NOT BEING WORKED FOR A PERIOD OF (14) DAYS OR MORE SHALL BE TEMPORARY STABILIZED WITH THE APPROPRIATE MEANS TO PREVENT SOIL LOSS.
- 6. DITCHES AND EXPOSED SOILS MUST BE KEPT IN A SMOOTH ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL MULCHES AND BLANKETS.
- 7. ALL EXPOSED SOIL AREAS WILL BE STABILIZED PRIOR TO THE ONSET OF WINTER. ANY WORK STILL BEING PERFORMED WILL BE SNOW MULCHED, SEEDED, OR BLANKETED.
- 8. SEDIMENT CONTROL DEVICES MUST BE ESTABLISHED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY UP GRADIENT LAND DISTURBING ACTIVITIES BEGIN. THE TIMING OF THE INSTALLATION OF THE SEDIMENT CONTROL DEVICES CAN BE ADJUSTED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING AND GRUBBING, OR PASSAGE OF VEHICLES. ANY SHORT TERM ACTIVITY MUST BE COMPLETED AS QUICKLY AS POSSIBLE AND THE SEDIMENT CONTROL DEVICES MUST BE INSTALLED IMMEDIATELY AFTER THE ACTIVITY IS COMPLETED OR PRIOR TO THE NEXT RAINFALL EVENT.
- A. SILT FENCE SHALL BE INSTALLED SO THAT IT FOLLOWS AS CLOSE AS POSSIBLE TO A SINGLE CONTOUR TO CAPTURE OVERLAND, LOW-VELOCITY SHEET FLOWS DOWNGRADIENT OF ALL EXPOSED SOILS AND PRIOR TO DISCHARGING TO SURFACE WATERS WITH THE SILT FENCE J-HOOKED AT A MAXIMUM OF 100 FOOT INTERVALS AND SHALL CONTAIN NO MORE THAN 1/4 ACRE OF DRAINAGE AREA.
- DITCH CHECKS WILL BE INSTALLED AS INDICATED ON THE PLANS DURING ALL PHASES OF CONSTRUCTION. TEMPORARY DITCH CHECKS WILL CONSIST OF USING ROCK DITCH CHECKS AND ROCK WEEPERS IN FRONT OF CULVERT INLETS.
  - BIOLOGS WILL BE INSTALLED DURING PERMANENT TURF ESTABLISHMENT AT THE INTERVALS IDENTIFIED IN THE PLAN.
- C. SEDIMENT DAMAGE FROM STOCKPILES WILL BE MINIMIZED BY PLACING A ROW OF SILT FENCE 5 FEET FROM THE TOE. D. ALL STOCKPILES LEFT FOR A PERIOD OF 14 DAYS SHALL BE TEMPORARILY STABILIZED. TEMPORARY STABILIZATION SHALL CONSIST OF RAPID STABILIZATION METHOD 3 (INCIDENTAL).
- 15. STREET SURFACES SHALL BE SWEPT WITHIN 24 HOURS OF DISCOVERY OF SEDIMENT OR TRACKING WITH A VACUUM OPERATED BROOM SWEEPER. NO OPEN-BROOM SWEEPERS ALLOWED.
- 16. THE CONTRACTOR WILL COMPLY WITH THE REQUIREMENTS REGARDING POLLUTION PREVENTION MANAGEMENT DURING CONSTRUCTION, WHICH WILL INCLUDE PROVIDING:
  - A. CONCRETE WASHOUT AREAS
  - B. SOLID WASTE COLLECTION AND REMOVAL
- C. SECONDARY CONTAINMENT
- D. HAZARDOUS WASTE STORAGE CONTAINERS AND SPILL KITS
- 18. DEWATERING OR BASIN DRAINING ACTIVITIES OF TURBID OR SEDIMENT LADEN WATER WILL BE DISCHARGED TO TEMPORARY SEDIMENT BASINS WHENEVER POSSIBLE. IN THE EVENT THAT IT IS NOT POSSIBLE TO DISCHARGE THE SEDIMENT LADEN WATER TO A TEMPORARY SEDIMENT BASIN THE WATER MUST BE TREATED SO THAT IT DOES NOT ADVERSELY AFFECT RECEIVING WATERS OR DOWNSTREAM LANDOWNERS.
- 21. BURNING OF TREES, BRUSH, OR OTHER VEGETATED MATERIAL IS NOT ALLOWED WITHIN THE PROJECT BOUNDARIES.
- 22. THE CONTRACTOR SHALL SUBMIT LOCATIONS OF ANY CONCRETE WASHOUT AREAS TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL. ALL LIQUID AND SOLID WASTES GENERATED BY CONCRETE WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER.
- 23. THE CONTRACTOR MAY SKIP TEMPORARY OR RAPID STABILIZATION METHODS IF THEY CHOOSE TO STABILIZE AN AREA WITH PERMANENT STABILIZATION IMMEDIATELY AFTER WORK IS COMPLETE.
- 24. ALL SEDIMENT DEPOSITED INTO A WATER OF THE STATE MUST BE REMOVED WITHIN 7 DAYS.

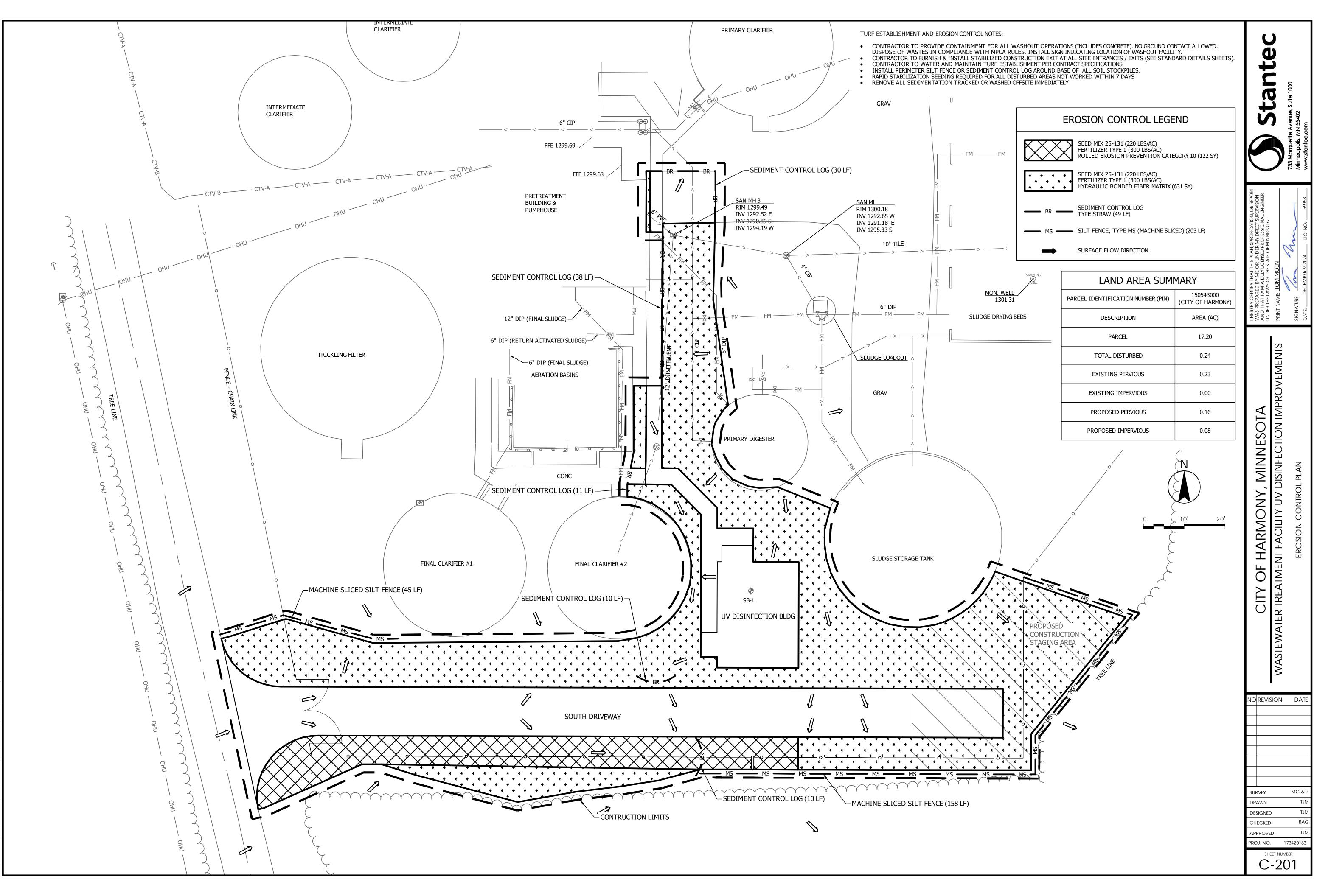
## **SEQUENCE OF CONSTRUCTION ACTIVITIES**

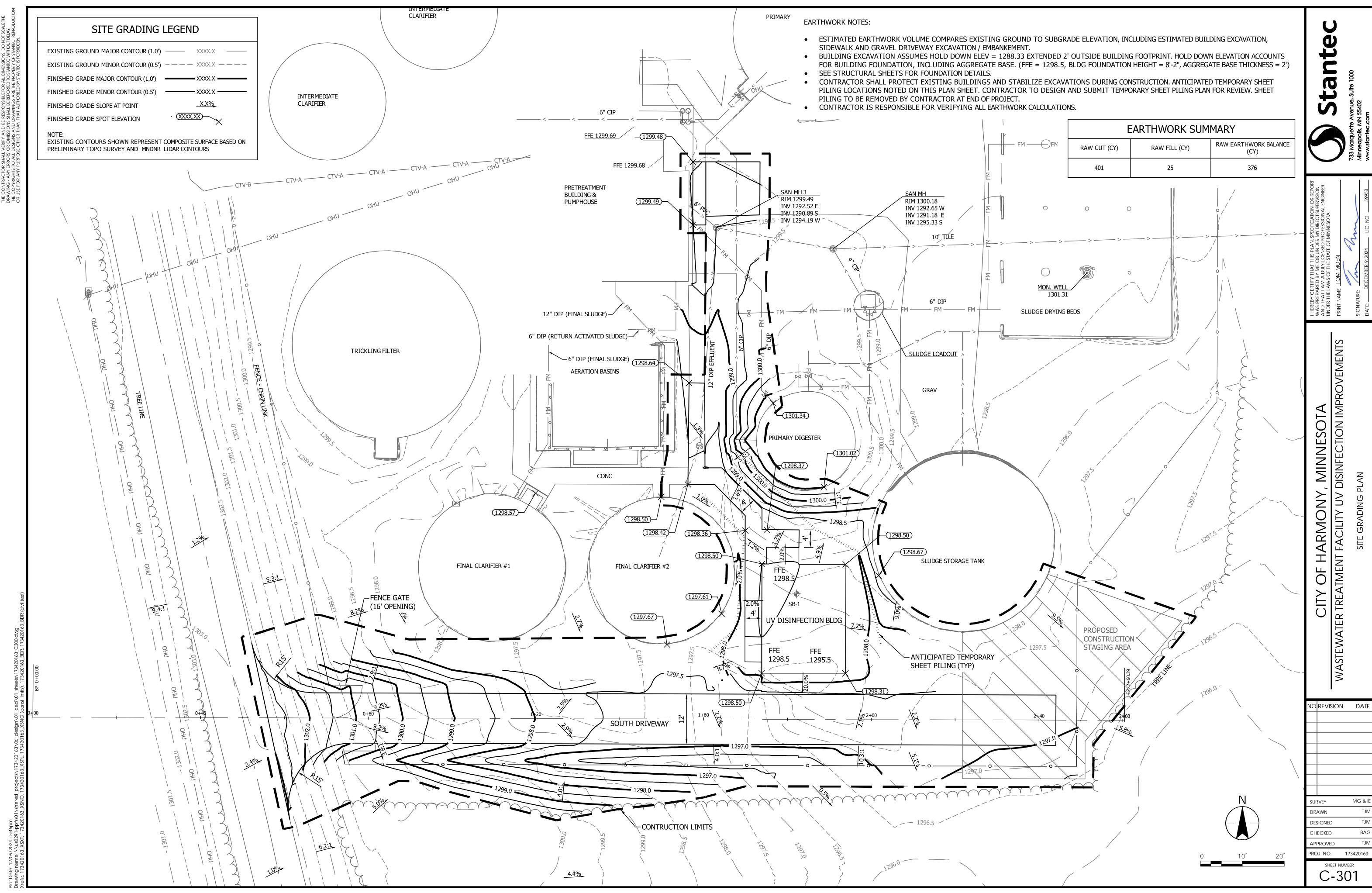
- 1. INSTALL TEMPORARY EROSION CONTROL, WHICH WILL CONSIST OF SILT FENCE AND DITCH CHECKS.
- 2. COMPLETE THE REMOVALS AS NOTED ON THE PLANS.
- CONSTRUCT ALL TEMPORARY SEDIMENT TRAPS.
- 4. CONDUCT SITE GRADING
- TEMPORARILY STABILIZE DENOTED AREAS WITHIN 14 DAYS AS MANY TIMES AS NECESSARY TO MAINTAIN NPDES PERMIT COMPLIANCE.
- 6. CONTINUALLY STABILIZE THE NORMAL WETTED PERIMETER OF ALL AREAS WITHIN 200 LINEAR FEET OF THE SURFACE WATER OR THE PROPERTY EDGE. 7. INSTALL CONCRETE WASHOUT AREA
- 8. COMPLETE BUILDING AND SITE PIPING CONSTRUCTION
- 9. COMPLETE ROADWAY CONSTRUCTION
- 10. COMPLETE PERMANENT STABILIZATION

TYPICAL SECTION **4" CONCRETE WALK** 

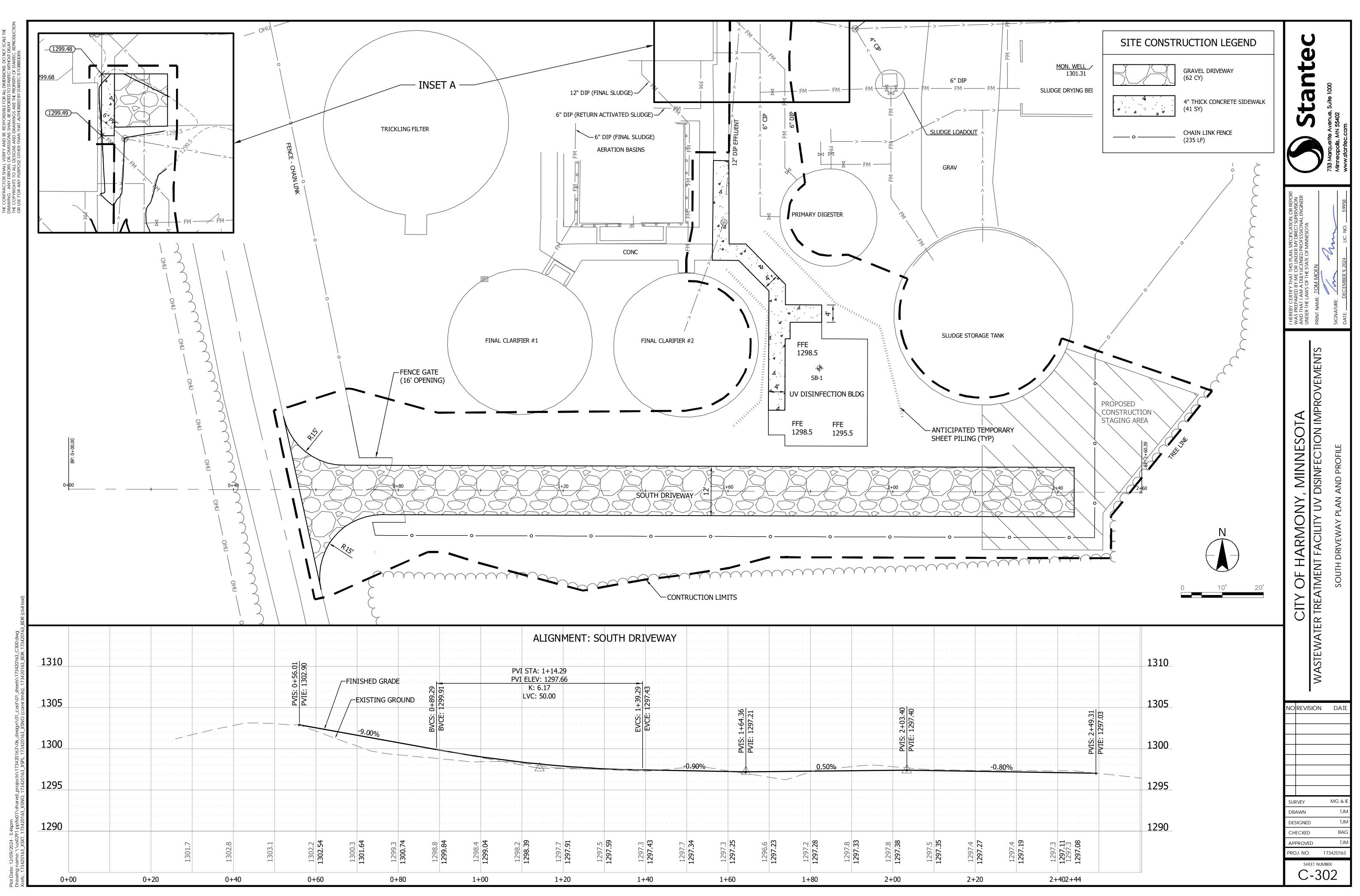
> 4" CONCRETE WALK — 6" AGGREGATE BASE CLASS 5

DIRECT SUPERVISION EESSIONAL ENGINEER NESOTA		733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402 www.stantec.com
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA	PRINT NAME: TOM MOEN	SIGNATURE: The signature of the bate of th
CITY OF HARMONY, MINNESOTA	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	CIVIL NOTES AND TYPICAL SECTIONS
	SION	DATE
SURVEY DRAWN DESIGNED CHECKED APPROVE PROJ. NO.	D 1 :et nume	MG & IE TJM TJM BAG TJM 73420163 BER <b>) 3</b>

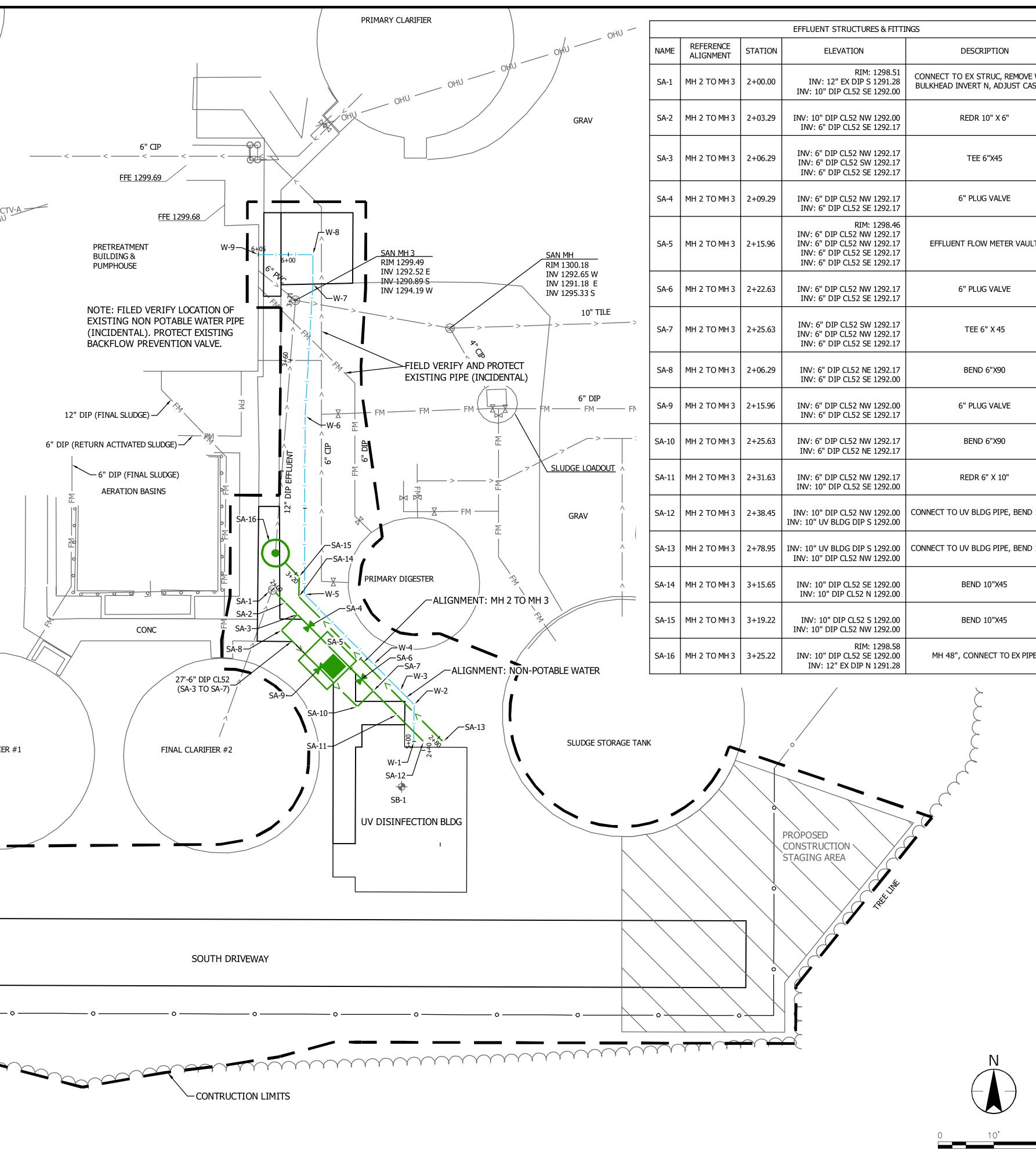






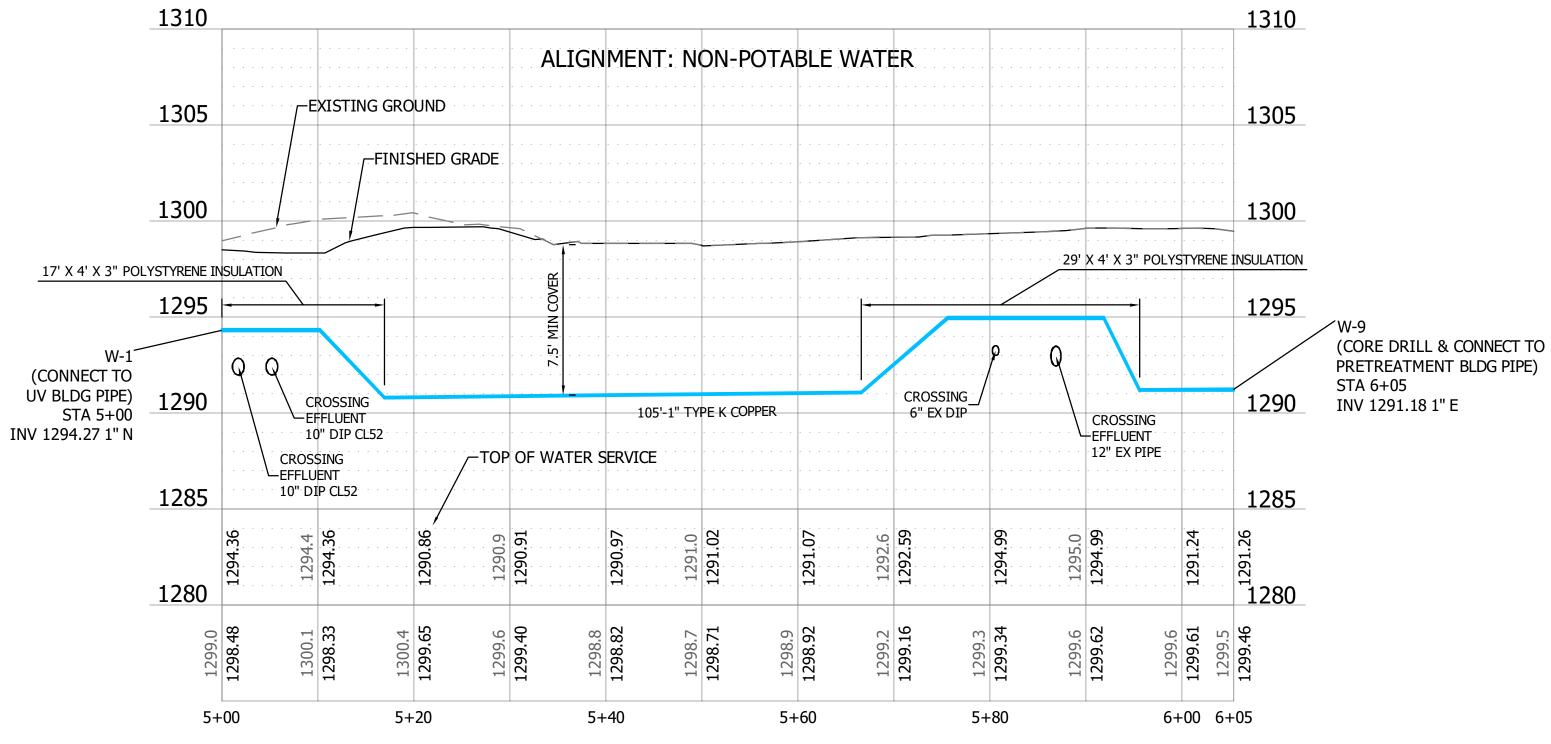


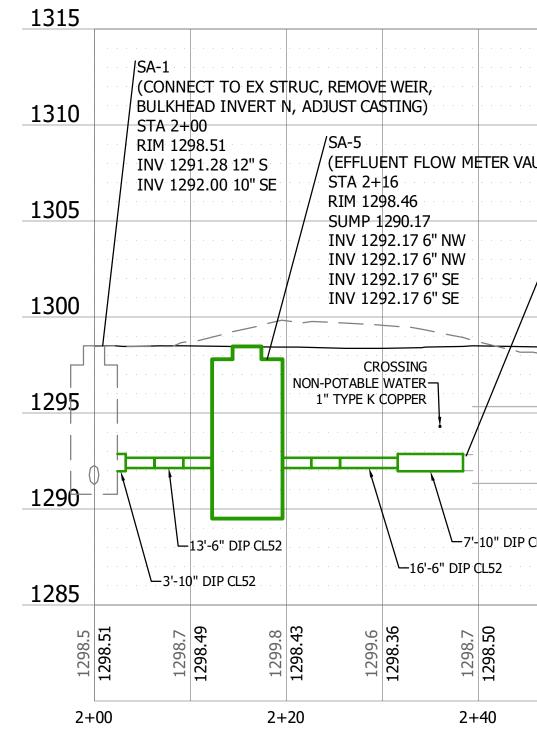
	NON-POT	ABLE WATE	R NOTES	CLARIFIER
NAME	REFERENCE ALIGNMENT	STATION	DESCRIPTION	
14/ 4		E . 00.00	CONNECT TO	
W-1	NON-POTABLE WATER	5+00.00	UV BLDG PIPE	
W-2	NON-POTABLE WATER	5+06.62	ALIGNMENT CHANGE	
W-3	NON-POTABLE WATER	5+10.21	BEGIN/END VERTICAL OFFSET	
W-4	NON-POTABLE WATER	5+16.94	BEGIN/END VERTICAL OFFSET	CLARIFIER
W-5	NON-POTABLE WATER	5+34.54	BEGIN/END VERT OFFSET,	
W-6	NON-POTABLE WATER	5+66.57	ALIGNMENT CHANGE	
W-7	NON-POTABLE WATER	5+90.29	ALIGNMENT CHANGE	
W-8	NON-POTABLE WATER	5+95.59	BEGIN/END VERT OFFSET, ALIGNMENT CHANGE	сту-а — сту-а — сту-а — сту-а — они
W-9	NON-POTABLE WATER	6+05.37	CORE DRILL & CONNECT TO PRETREATMENT BLDG PIPE	CTV-A OHU
				OHU
	M OH OH OH OH OH			OHU



		EFFLUENT STRUCTURES & FITTI	INGS		)	
REFERENCE ALIGNMENT	STATION	ELEVATION	DESCRIPTION	l ð	)	
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MH 2 TO MH 3	2+03.29	INV: 10" DIP CL52 NW 1292.00 INV: 6" DIP CL52 SE 1292.17	REDR 10" X 6"	ta	Suite 10	
MH 2 TO MH 3	2+06.29	INV: 6" DIP CL52 NW 1292.17 INV: 6" DIP CL52 SW 1292.17 INV: 6" DIP CL52 SE 1292.17	TEE 6"X45		233 Marculatta Avenua. Suite 1000	
MH 2 TO MH 3	2+09.29	INV: 6" DIP CL52 NW 1292.17 INV: 6" DIP CL52 SE 1292.17	6" PLUG VALVE		) AND A PAGE	
MH 2 TO MH 3	2+15.96	RIM: 1298.46 INV: 6" DIP CL52 NW 1292.17 INV: 6" DIP CL52 NW 1292.17 INV: 6" DIP CL52 SE 1292.17 INV: 6" DIP CL52 SE 1292.17	EFFLUENT FLOW METER VAULT	or report Ervision Engineer		1
MH 2 TO MH 3	2+22.63	INV: 6" DIP CL52 NW 1292.17 INV: 6" DIP CL52 SE 1292.17	6" PLUG VALVE	an, specification, der my direct sup ed professional of minnesota		2
MH 2 TO MH 3	2+25.63	INV: 6" DIP CL52 SW 1292.17 INV: 6" DIP CL52 NW 1292.17 INV: 6" DIP CL52 SE 1292.17	TEE 6" X 45	S PL UNI ATE	JOEN	2
MH 2 TO MH 3	2+06.29	INV: 6" DIP CL52 NE 1292.17 INV: 6" DIP CL52 SE 1292.00	BEND 6"X90			5
MH 2 TO MH 3	2+15.96	INV: 6" DIP CL52 NW 1292.00 INV: 6" DIP CL52 SE 1292.17	6" PLUG VALVE	I HEREBY ( WAS PREF AND THAT UNDER THI	PRINT NAME:	
MH 2 TO MH 3	2+25.63	INV: 6" DIP CL52 NW 1292.17 INV: 6" DIP CL52 NE 1292.17	BEND 6"X90	ļ	S	
MH 2 TO MH 3	2+31.63	INV: 6" DIP CL52 NW 1292.17 INV: 10" DIP CL52 SE 1292.00	REDR 6" X 10"		MEN	
MH 2 TO MH 3	2+38.45	INV: 10" DIP CL52 NW 1292.00 INV: 10" UV BLDG DIP S 1292.00	CONNECT TO UV BLDG PIPE, BEND 10"X45		UV DISINFECTION IMPROVEMENTS	
MH 2 TO MH 3	2+78.95	INV: 10" UV BLDG DIP S 1292.00 INV: 10" DIP CL52 NW 1292.00	CONNECT TO UV BLDG PIPE, BEND 10"X45	AIC		
MH 2 TO MH 3	3+15.65	INV: 10" DIP CL52 SE 1292.00 INV: 10" DIP CL52 N 1292.00	BEND 10"X45	MINNESOTA	CIIO	
MH 2 TO MH 3	3+19.22	INV: 10" DIP CL52 S 1292.00 INV: 10" DIP CL52 NW 1292.00	BEND 10"X45	MIN	ISINF E	
MH 2 TO MH 3	3+25.22	RIM: 1298.58 INV: 10" DIP CL52 SE 1292.00 INV: 12" EX DIP N 1291.28	MH 48", CONNECT TO EX PIPE	NV,	1 N N	
7		0			MENT FACILITY	

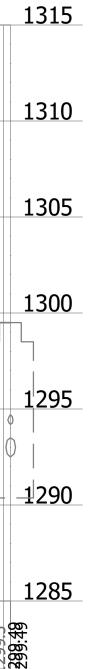




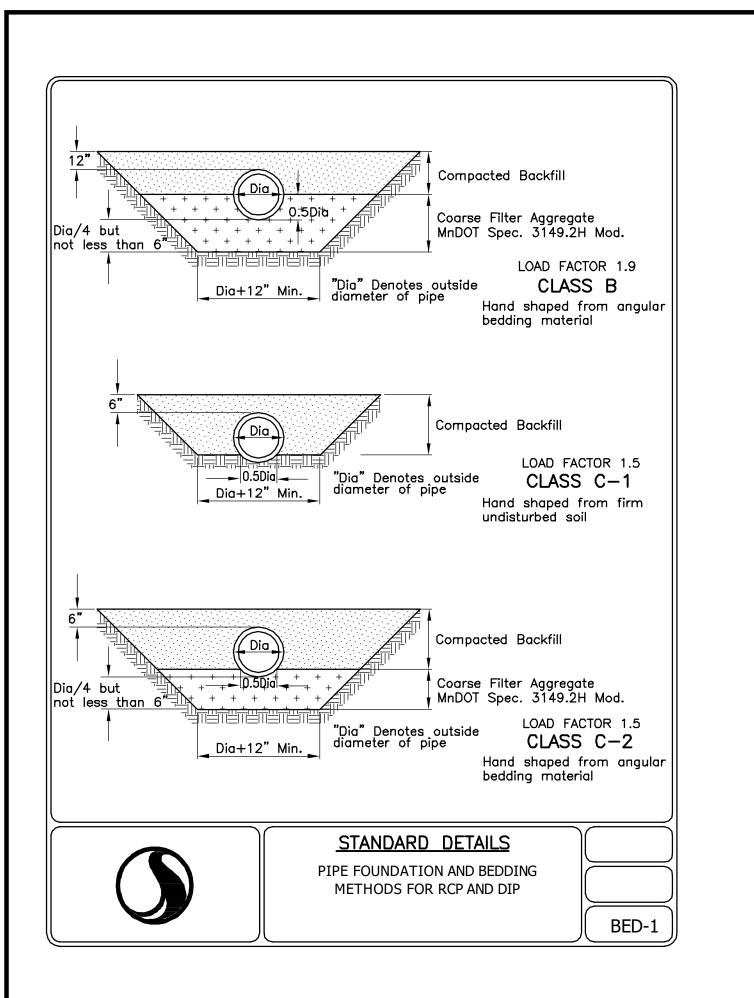


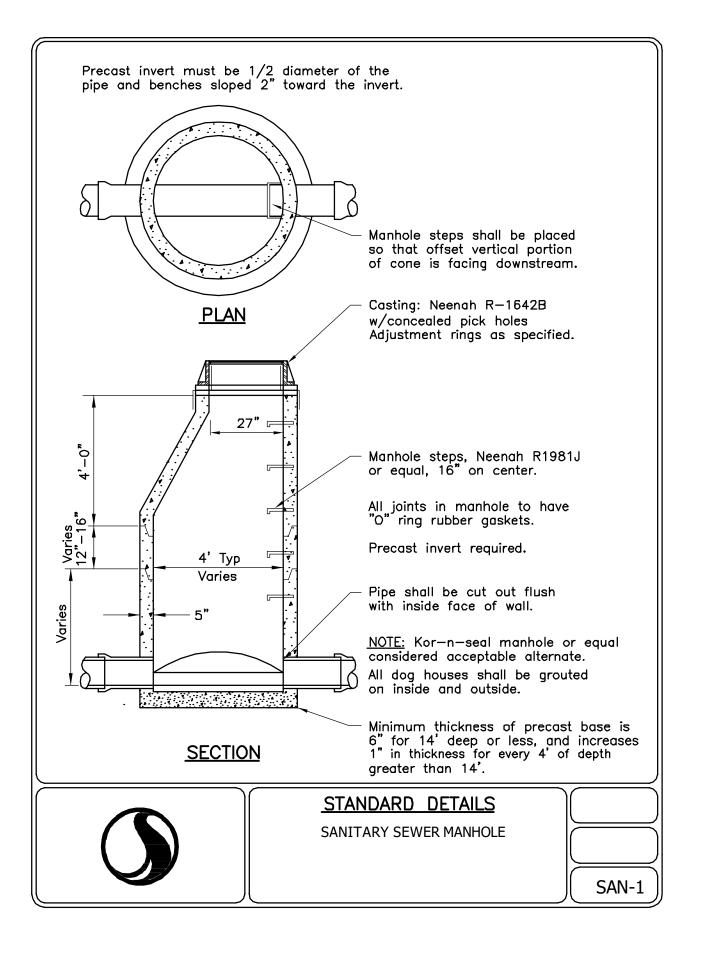
			ALIGNN	1ENT: MH 2	2 TO MH 3	3							
	/SA-12												1
AULT)	(CONNE STA 2+ INV 129	92.00 10" NW 92.00 10" S			/SA-13		S PIPE, BEND	10"245)	STA 3+25	NNECT TO EX		MH-3 3+71	1
	· · · · · · · · · · · · ·			NG GROUND	STA 2+79 INV 1292.				RIM 1298.58 INV 1292.00 INV 1291.28	10" SE	INV 1290.89 INV 1294.19 6 INV 1292.52	12" S " NW	<b>1</b>
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					Rossing On-Potable Wa Type K Copper						CROSS		
UV	CHANNEL (SEE	PROCESS SHEETS	s) <sup>.</sup>						· · · · · · · · · · · · ·		6" EX		
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1297.9	1298.43	1298.38	1298.44	1298.9 1298.47 1299.9	<b>1298.34</b> 1300.2	1299.30 1299.4	1299.24 1298.5	1298.49 1298.6	1298.64 1298.7	<b>1298.74</b> 1299.1	1299.13 1299.5	1299.51	1288.3 1288.48
	2-	+60		2+80	3+	-00	3+	-20	3-	-40	3+	-60	3+71

T33 Marquette Avenue, Suite 1000 Minnecoolis, MN 55402	www.stantec.com
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA PRINT NAME: TOM MOEN SIGNATURE:	DATE: DECEMBER 9, 2024 LIC. NO. 59958
CITY OF HARMONY, MINNESOTA WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	-
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SURVEY MG	& IE
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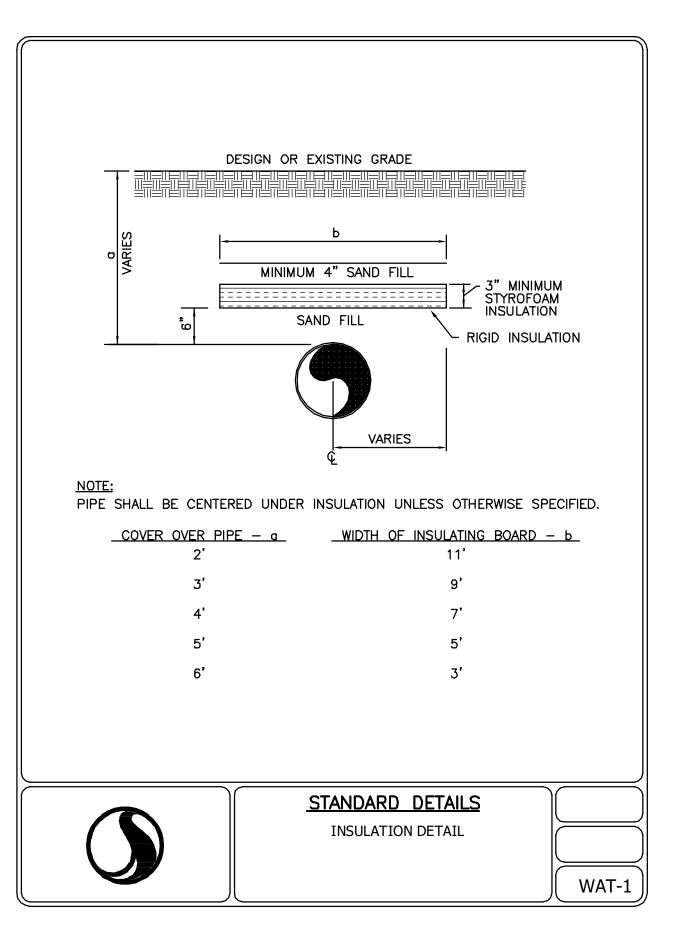


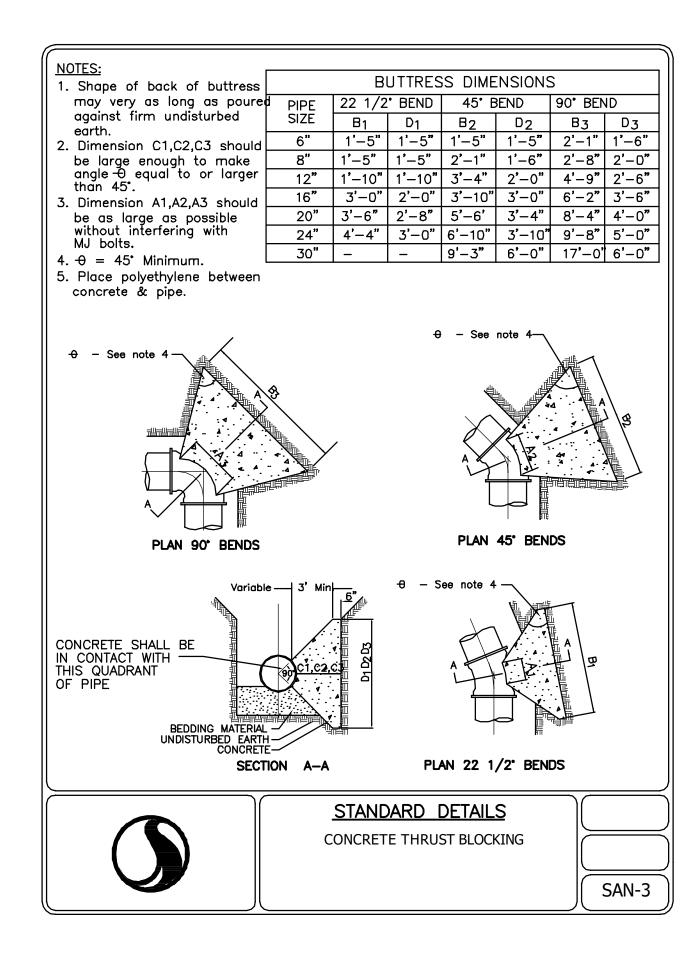


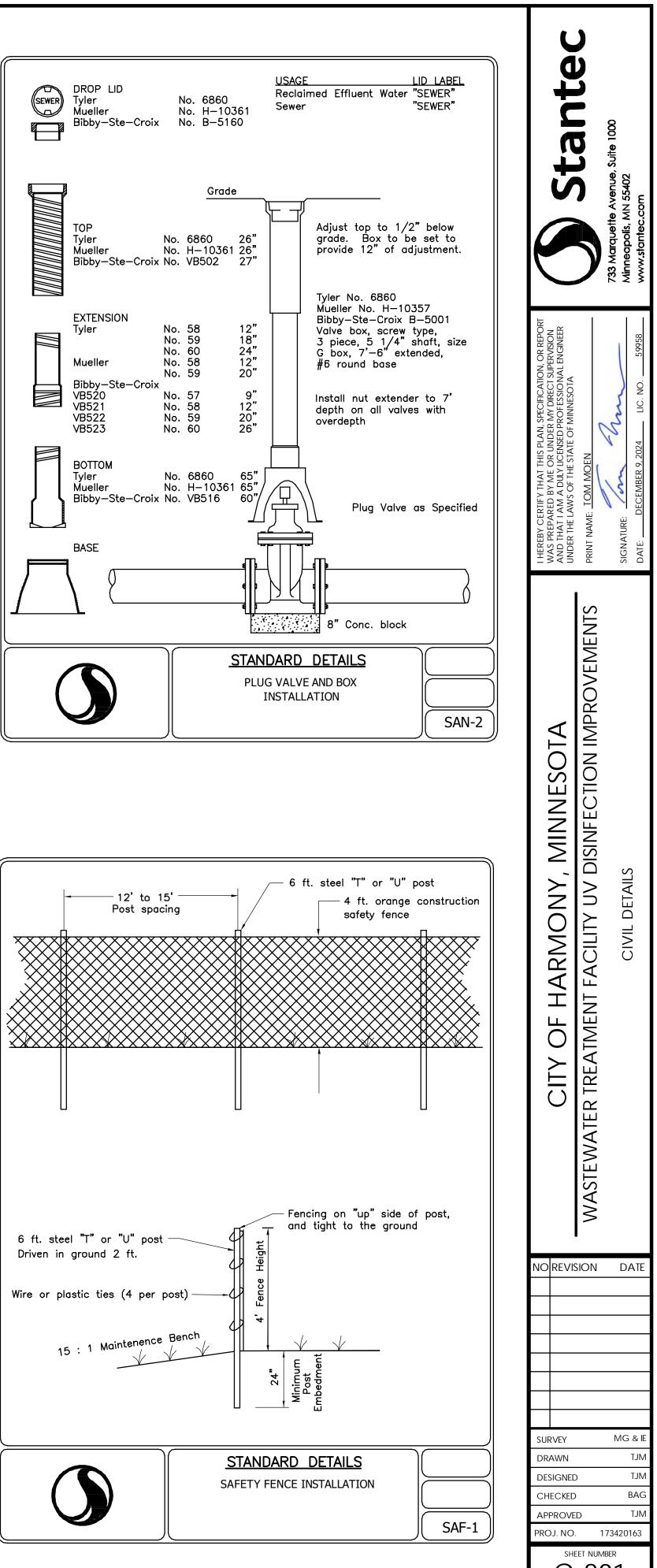


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## REFER TO PROCESS DRAWING FOR FLOW METER STRUCTURE DETAILS

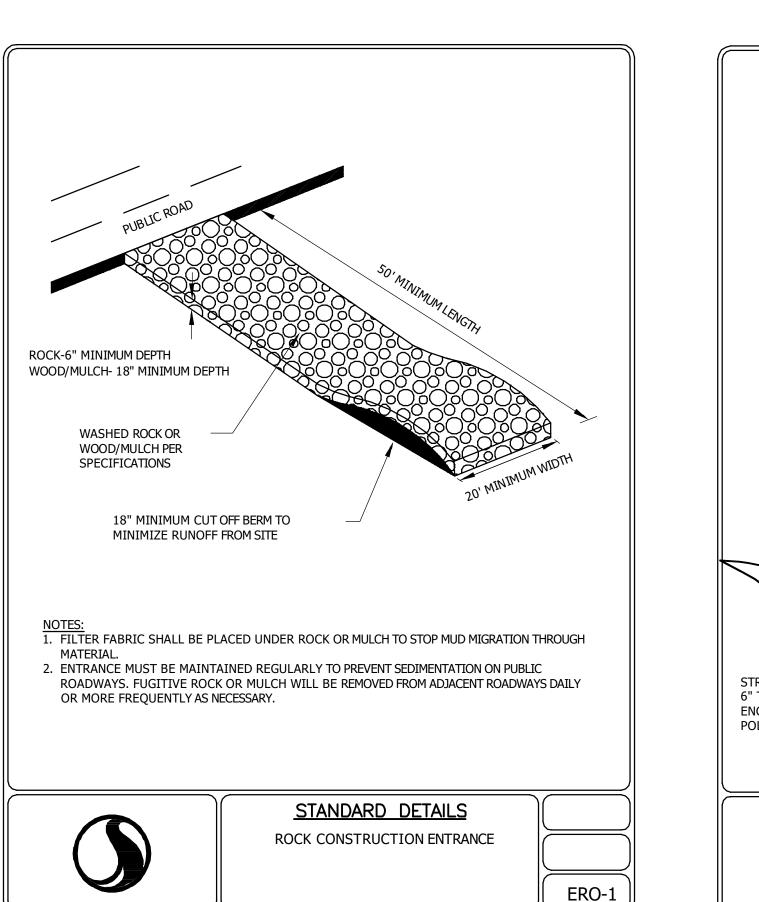


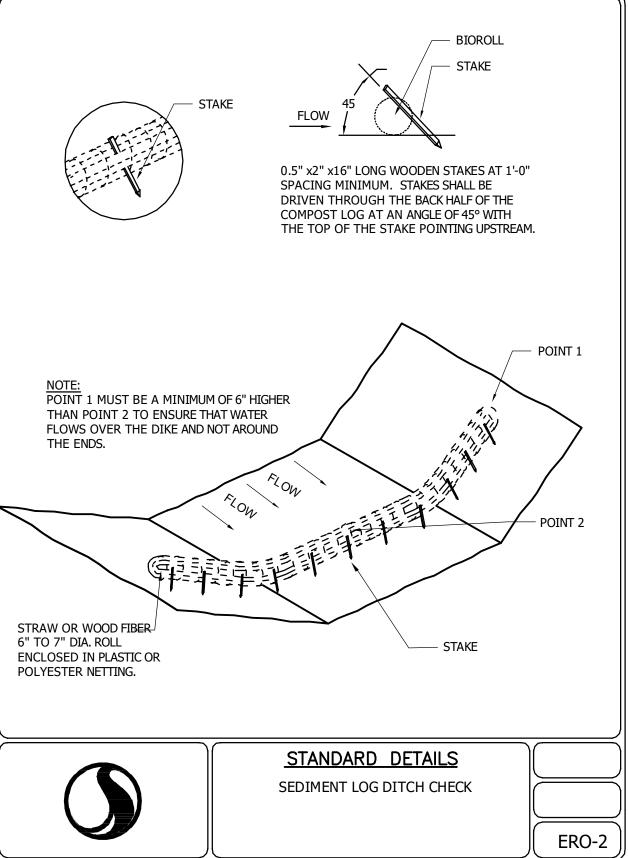


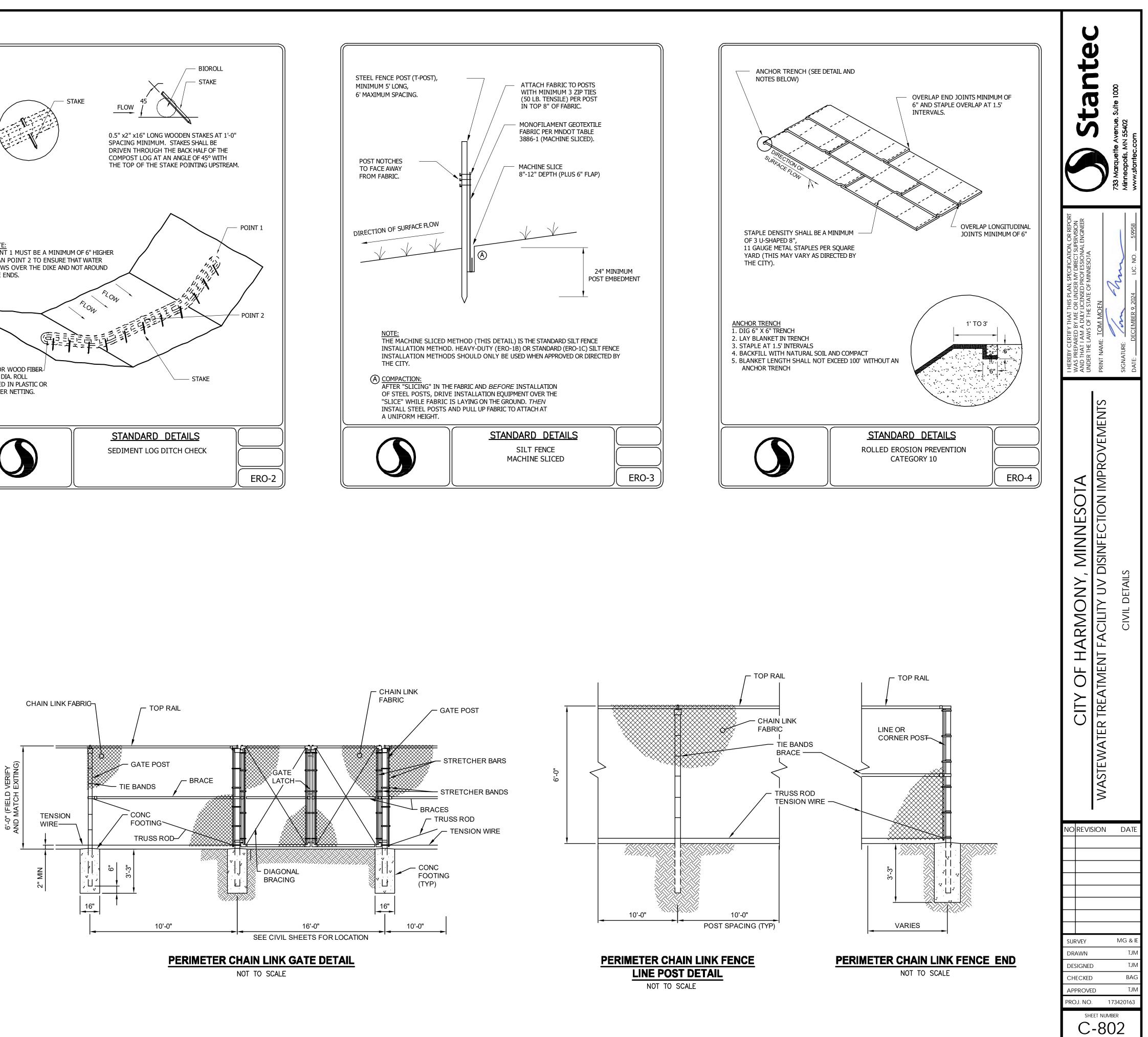


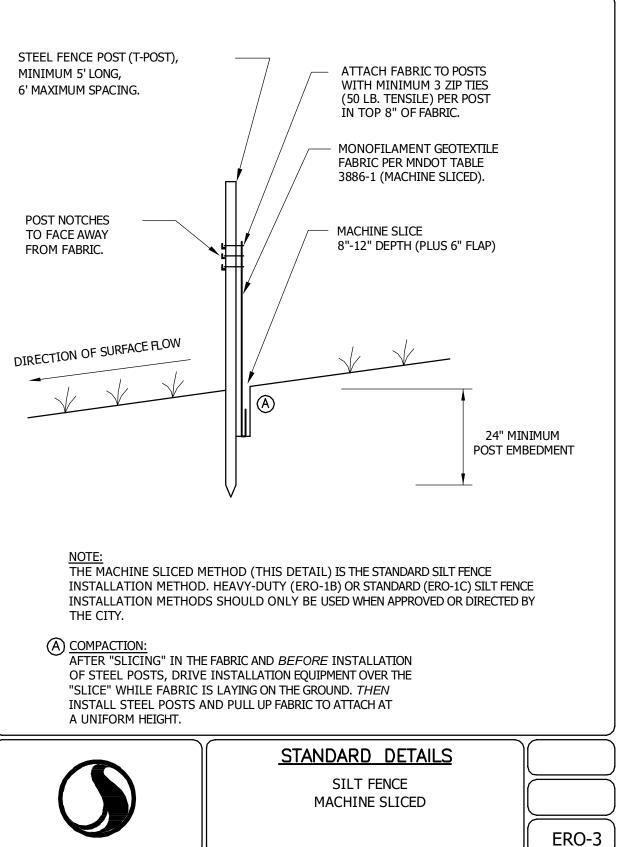
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## **GENERAL NOTES**

### GENERAL

PROCESS MECHANICAL EQUIPMENT AND PIPING LOCATIONS, DIMENSIONS, AND LAYOUTS ARE BASED ON THE EQUIPMENT SELECTED AND SPECIFIED BY THE ENGINEER. IF THE CONTRACTOR PROPOSES TO FURNISH EQUIPMENT THAT REQUIRES AN ARRANGEMENT OR SPACE OTHER THAN THAT INDICATED ON THE DRAWINGS OR AS SPECIFIED, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOR APPROVAL DETAILED DRAWINGS AND EQUIPMENT LISTS (FOR IMPACTED DISCIPLINES) SHOWING EQUIPMENT AND PIPING LOCATIONS, DIMENSIONS, AND LAYOUTS PROPOSED. THIS INFORMATION SHALL INCLUDE, BUT NOT BE LIMITED TO, PLANS, SECTIONS, DETAILS, AND SCHEMATICS OF EQUIPMENT AND APPURTENANCES REQUIRED. THE CONTRACTOR SHALL PROVIDE DETAILS OF CHANGES TO ADJACENT PIPE ROUTING TO ACCOMMODATE TIE-IN LOCATIONS FOR PROPOSED EQUIPMENT.

- OTHER DISCIPLINE BACKGROUND DRAWINGS AND DIMENSIONS SHOWN ON THE 2 PROCESS MECHANICAL DRAWINGS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL CLARIFY DISCREPANCIES BETWEEN DISCIPLINES WITH THE ENGINEER PRIOR TO THE FABRICATION OR CONSTRUCTION ...
- EQUIPMENT FOUNDATION AND PAD DIMENSIONS SHOWN ON THE PROCESS 3 MECHANICAL DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE EQUIPMENT PAD DIMENSIONS WITH THE MANUFACTURER TO ACCOMMODATE THE ACTUAL SIZE OF EQUIPMENT FURNISHED (AS SHOWN ON THE APPROVED SHOP DRAWINGS) AND AVAILABLE SPACE. REFER TO THE STRUCTURAL DRAWINGS AND STRUCTURAL STANDARD DETAILS FOR EQUIPMENT PAD DESIGN REQUIREMENTS.
- EQUIPMENT BASES HAVING DRAIN OUTLETS, EQUIPMENT DRAINS, AND PIPING 4. DRAINS SHALL BE PIPED WITH A CONTINUOUS SLOPE TO THE NEAREST FLOOR DRAIN, FLOOR SINK, HUB DRAIN, OR TRENCH DRAIN. DRAIN PIPE NOMINAL DIAMETER AND MATERIAL SHALL BE PER THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. DRAIN PIPING SHALL BE SUITABLY SUPPORTED AND ROUTED IN SUCH A MANNER TO AVOID TRIP HAZARDS.
- WHERE WELDING OF STAINLESS STEEL IS REQUIRED, PASSIVATE STAINLESS STEEL 5. AFTER WELDING.

PIPING

- CONTRACTOR SHALL PROVIDE INTERCONNECTING PIPING, FITTINGS, WALL PIPES, AND PIPE SUPPORTS (INCLUDING THOSE REQUIRED FOR INSTRUMENTS, DRAINS, AND OTHER APPURTENANCES) AS REQUIRED FOR A COMPLETE PROCESS MECHANICAL PIPING SYSTEM.
- FOR CLARITY, SMALL DIAMETER PROCESS PIPING MAY NOT BE SHOWN IN ITS 2 ENTIRETY. THE CONTRACTOR SHALL REFER TO THE CONTRACT DOCUMENTS TO DETERMINE THE NEW WORK ASSOCIATED WITH EACH PIPING SYSTEM TO COMPLETE THE WORK.
- PROCESS MECHANICAL PIPING SYSTEMS AND EQUIPMENT SHALL BE INSTALLED IN 3. SUCH A WAY TO BE EASILY DISMANTLED AND REMOVED WITHOUT DISTURBING THE REMAINING AND ADJACENT EQUIPMENT, PIPING, AND SUPPORTS.
- 4. PIPING CONNECTED TO PROCESS MECHANICAL EQUIPMENT SHALL BE INSTALLED AND SUPPORTED SUCH THAT IT DOES NOT IMPART STRAIN ON THE EQUIPMENT.
- UNLESS OTHERWISE SHOWN, HORIZONTAL REDUCERS INSTALLED IN PIPING 5. SYSTEMS SHALL BE ECCENTRIC (BOTTOM FLAT). HORIZONTAL REDUCERS CONNECTED TO PUMP SUCTIONS SHALL BE ECCENTRIC (TOP FLAT).
- UNLESS OTHERWISE SHOWN, ELBOWS 2-1/2" AND LARGER SHALL BE STANDARD 6. LONG RADIUS ELBOWS. WHERE REQUIRED IN TIGHT AREAS FOR FIT-UP, USE SHORT RADIUS OR REDUCING ELBOWS.
- A MINIMUM HEADROOM CLEARANCE HEIGHT OF 7'-6" SHALL BE PROVIDED FOR 7 OVERHEAD PROCESS MECHANICAL PIPING SYSTEMS.
- SLEEVE COUPLINGS, FLANGED COUPLING ADAPTERS, AND FLEXIBLE COUPLINGS SUBJECT TO A POSITIVE INTERNAL FLUID PRESSURE SHALL BE PROVIDED WITH RESTRAINT SYSTEMS.
- EXPOSED PIPING SUBJECT TO FREEZING SHALL BE INSULATED AND HEAT TRACED 9 (IF HEAT TRACE IS SPECIFIED). SEE SPECIFICATIONS FOR HEAT TRACE AND INSULATION REQUIREMENTS.
- 10. IF AN EXTERNAL SOURCE OF PUMP SEAL WATER IS REQUIRED BY THE PUMP MANUFACTURER, SEAL WATER SHALL BE PROVIDED BY THE CONTRACTOR PER THE MANUFACTURER'S RECOMMENDATIONS, WHETHER SHOWN OR NOT SHOWN ON THE CONTRACT DRAWINGS. SEAL WATER PIPING SHALL BE PIPED TO THE NEAREST UTILITY WATER SUPPLY.
- 11. SEAL WELD THREADED PIPE INSTALLATIONS FOR LIQUID OR GASEOUS CHLORINE, LIQUID OR GASEOUS SULFUR DIOXIDE, SODIUM HYDROXIDE, AND ACIDS UNDER PRESSURE. WHEN CONNECTING TO THREADED COMPONENTS OR EQUIPMENT. PROVIDE SEAL WELDED BREAKOUT CONNECTIONS (FLANGED TYPE).

PIPE SUPPORTS

- FOR MATERIALS, SPACING, AND ADDITIONAL REQUIREMENTS RELATED TO PIPE SUPPORTS, SEE THE SPECIFICATION SECTION `PIPE SUPPORTS'.
- 2. PROVIDE PIPE SUPPORTS REQUIRED FOR A COMPLETE PIPING SYSTEM. PIPE SUPPORTS SHALL BE PROVIDED WHERE REQUIRED BY THE SPECIFICATION SECTION 'PIPE SUPPORTS' AND/OR AT POINTS MARKED WITH AN "X" ON PLAN VIEW DRAWINGS.
- WHEN FIBERGLASS OR PVC-COATED PIPE SUPPORT MATERIALS ARE CUT OR 3. DRILLED, THE CUT EXPOSED END OF THE MATERIAL SHALL BE RE-COATED OR SEALED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 4. PIPE SUPPORTS FOR PLASTIC PIPE OR FIBERGLASS PIPE SHALL BE PROVIDED WITH EXTRA WIDE PIPE SADDLES OR METALLIC SHIELDS WITH LOOSE FIT AROUND THE FULL CIRCUMFERENCE OF THE PIPE AT EACH PIPE SUPPORT.
- PIPE SUPPORTS FOR COPPER PIPE OR TUBING SHALL BE PROVIDED WITH A 5. 2" WIDE BY 1/8" THICK STRIP OF RUBBER FABRIC (OR SIMILAR SUITABLE MATERIAL) AROUND FULL CIRCUMFERENCE OF THE PIPE AT EACH PIPE SUPPORT.
- SUPPORT STRUT CHANNEL ENDS THAT EXTEND INTO PERSONNEL TRAFFIC AREAS 6. SHALL HAVE PLASTIC END CAPS.

VALVES AND GATES

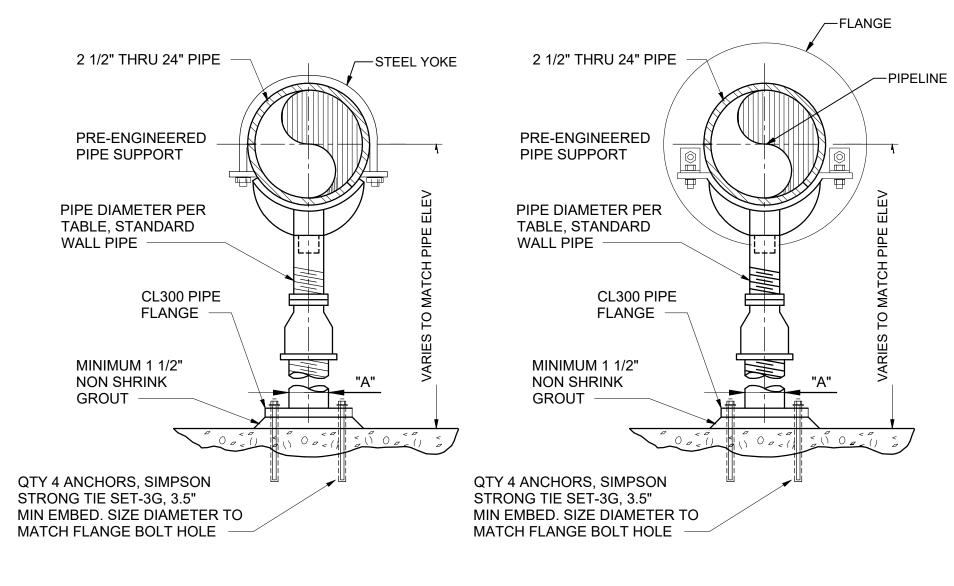
- VALVE AND GATE ACTUATORS SHALL BE MOUNTED TO ALLOW PROPER OPENING AND CLOSING WITHOUT INTERFERENCE WITH ADJACENT PIPING OR EQUIPMENT. UNLESS INDICATED ON THE DRAWINGS, ORIENTATION OF OPERATORS SHALL BE APPROVED BY THE ENGINEER
- UNLESS INDICATED ON THE DRAWINGS, REFER TO THE MANUFACTURER'S 2. RECOMMENDATIONS AND PROJECT SPECIFICATIONS REGARDING THE LOCATION OF THE VALVE SEAT (UPSTREAM OR DOWNSTREAM) AND STEM ORIENTATION.

AREAS CONTAINING CHEMICAL FEED EQUIPMENT OR PROVIDING CHEMICAL STORAGE SHALL BE CONSIDERED CORROSIVE AREAS. CHEMICAL STORAGE AREAS, CHEMICAL PIPING TRENCHES, AND CHEMICAL INJECTION VAULTS PROVIDE CHEMICAL CONTAINMENT AND SHALL BE COATED FOR CHEMICAL CONTAINMENT AS REQUIRED BY THE 'PROTECTIVE COATING' SPECIFICATION.

ERES

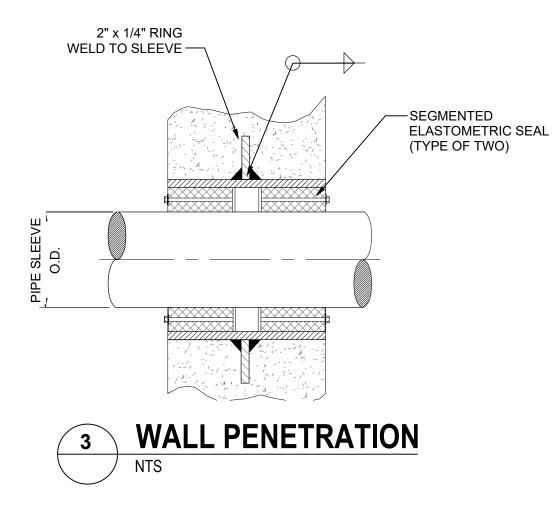
	GENERAL PROCESS M	/IECHANICAL SYMBOLS		
VALVE AND GATE ACTUATORS	VALVES	FLOW MEASUREMENT INSTRUMENTS	FLOW MEASUREMENT	l E
	3 WAY MULTI-PORT VALVE	DM DENSITY FLOWMETER	INSTRUMENTS (CONT'D)	
D = DIGITAL D E/H = ELECTROHYDRAULIC P = PNEUMATIC	4 WAY MULTI-PORT VALVE	DISPLACEMENT FLOWMETER		<b>Stad</b> venue, Suite 1000 55402
S = SOLENOID T = TEMPERATURE	AIR VACUUM, AIR RELEASE, OR AIR VACUUM AND AIR RELEASE ASSEMBLY		ULTRASONIC FLOWMETER	Avenue, v 55402
(ALSO SHOWN AS NO OPERATOR)	 	FLOW ORIFACE WITH QUICK CHANGE FITTINGS		inquette , apolis, Mr
MOTOR OPERATOR		FLOW TUBE	VORTEX SHEDDING FLOWMETER	733 Ma Minnec www.st
	BACK-PRESSURE VALVE		PIPING ENDS (SINGLE-LINE)	
PRESSURE BALANCED DIAPHRAGM ACTUATOR	BACKFLOW PREVENTER VALVE	FLOW VANE		JPERVISION
PRESSURE REGULATOR WITH EXTERIOR TAP	BACKWATER VALVE	FLUME		ECIFICATIC T DIRECT SI CHITECT INNESOTA LIC. NO.
		MM MAGNETIC FLOWMETER	CAP - BREATHER CAP - SCREW / THREADED	HIS PLAN, SPEC R UNDER MY ICENSED ARC FRIEL FRIEL
			CAP - WELDED	THAT THIS BY ME OR A DULY LIC S OF THE S' DHN M. FI
PRESSURE RELIEF OR SAFETY ACTUATOR				I HEREBY CERTIFY THAT THIS WAS PREPARED BY ME OR AND THAT I AM A DULY LIC UNDER THE LAWS OF THE S PRINT NAME: JOHN M. F SIGNATURE:
	CHECK VALVE - ANGLE	→ PITOT TUBE METER (SINGLE)		I HERE WAS F AND T UNDEI PRINT SIGNA DATE:
		PUMPS & COMPRESSORS	FLANGED	<u>S</u>
	CHECK VALVE - SILENT			MEN MEN
	CHECK VALVE - STOP   CONE VALVE	_ <b>→</b> _送 	FLANGED COUPLING ADAPTER - RESTRAINED	O V E
			OR FLEXIBLE CONNECTION - BELLOWS TYPE	TA
	FLAP VALVE			ESOTA TION IMPROVEMENTS
	GATE VALVE	CENTRIFUGAL WET PIT PUMP OR TURBINE PUMP		
	GLOBE VALVE		PIPE MATERIAL CHANGE	
			PUSH-ON JOINT - BELL AND SPIGOT	RMONY, CILITY UV D PROCESS AL NOTES AND 3
	HOSE BIBB VALVE FROM TOP, FRONT AND SIDE VIEW			
				T A F
		GEAR PUMP OR ROTARY POSITIVE DISPLACEMENT BLOWER	REDUCER - CONCENTRIC	OF H Gen
	PINCH VALVE	HORIZONTAL SPLIT CASED PUMP	REDUCER - ECCENTRIC	CITY ( REAL
	PLUG VALVE - ECCENTRIC			
	PLUG VALVE - LUBRICATED		SLEEVE TYPE COUPLING	EWA
	PRESSURE REGULATING VALVE		SLEEVE TYPE COUPLING - RESTRAINED	NASTEWATER
				>
	PRESSURE RELIEF VALVE		WELDED	NO REVISION DATE
	GATES			SURVEY DRAWN ACL
	SLIDE GATE (CAST IRON, ALUMINUM OR STAINLESS STEEL)	► VERTICAL TURBINE PUMP		DESIGNED JMF CHECKED LHS
	STOP GATE OR SHEAR GATE	PISTON DRIVEN COMPRESSOR		APPROVED JMF PROJ. NO. 173420163
		COMPRESSOR		sheet number
		-		

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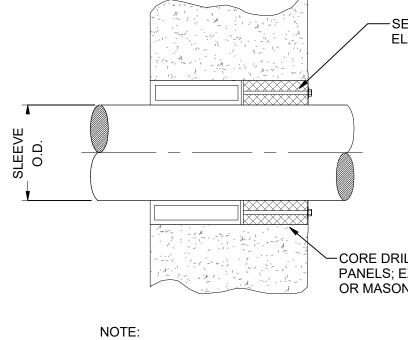




FLOOR SUPPORT

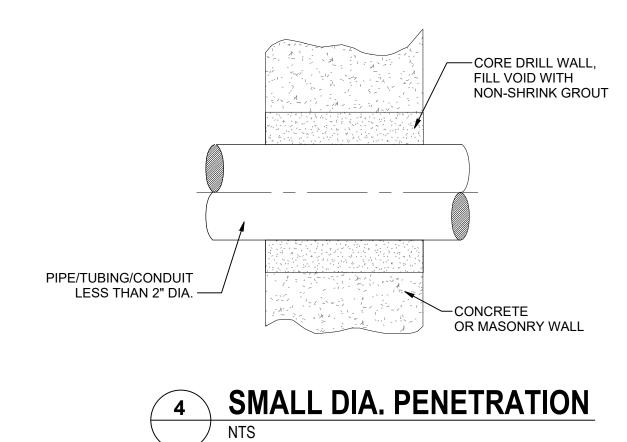


DIMENSI	ON TABLE
PIPE SIZE	"A" MIN NOMINAL PIPE SIZE
0.4/0"	0.4/0"
2 1/2"	2 1/2"
3"	2 1/2"
4"	3"
6"	3"
8"	3"
10"	3"
12"	3"
14"	4"
16"	4"
20"	6"
24"	6"



FILL VOIDS LEFT BY CORE DRILLING IN MASONRY UNITS WITH NON SHRINK GROUT

FLOOR SUPPORT



**2** 

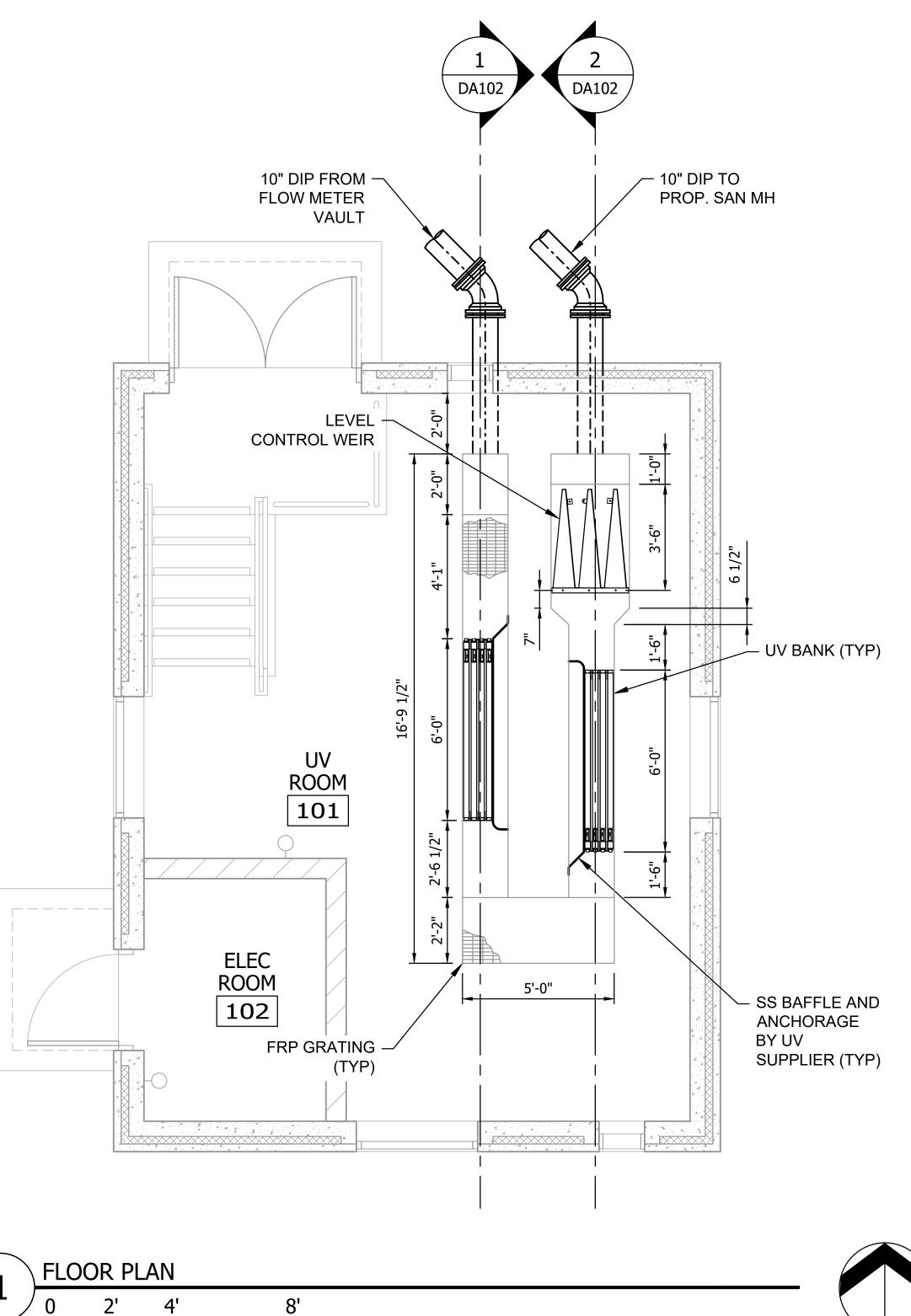
NTS

- SEGMENTED ELASTOMETRIC SEAL

CORE DRILL PRECAST WALL PANELS; EXISTING CONCRETE OR MASONRY

**EXISTING CONCRETE PENETRATION** 

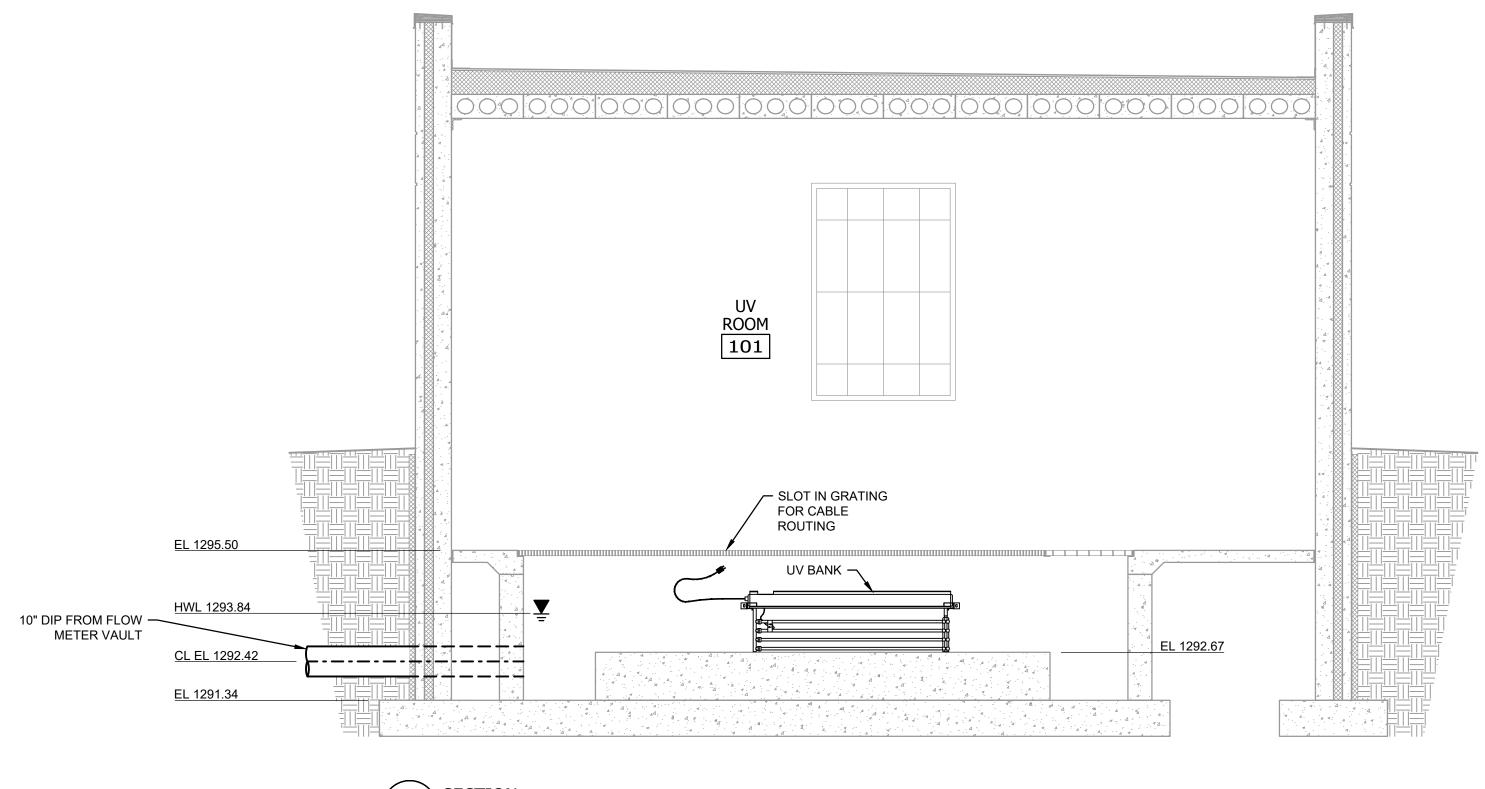
PROJ. NO	SURVEY DRAWN DESIGNEE CHECKED APPROVE		CITY OF HARMONY, MINNESOTA	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA	
150	) ED		WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	PRINT NAME: JOHN M. FRIEL	
	170		PROCESS		733 Marquette Avenue, Suite 1000
201		·	DFTAILS	SIGNATURE:	Minneapolis, MN 55402
63	ACL JMF LHS JMF		ATE	DATE: DECEMBER 9, 2024 LIC. NO.	www.stantec.com

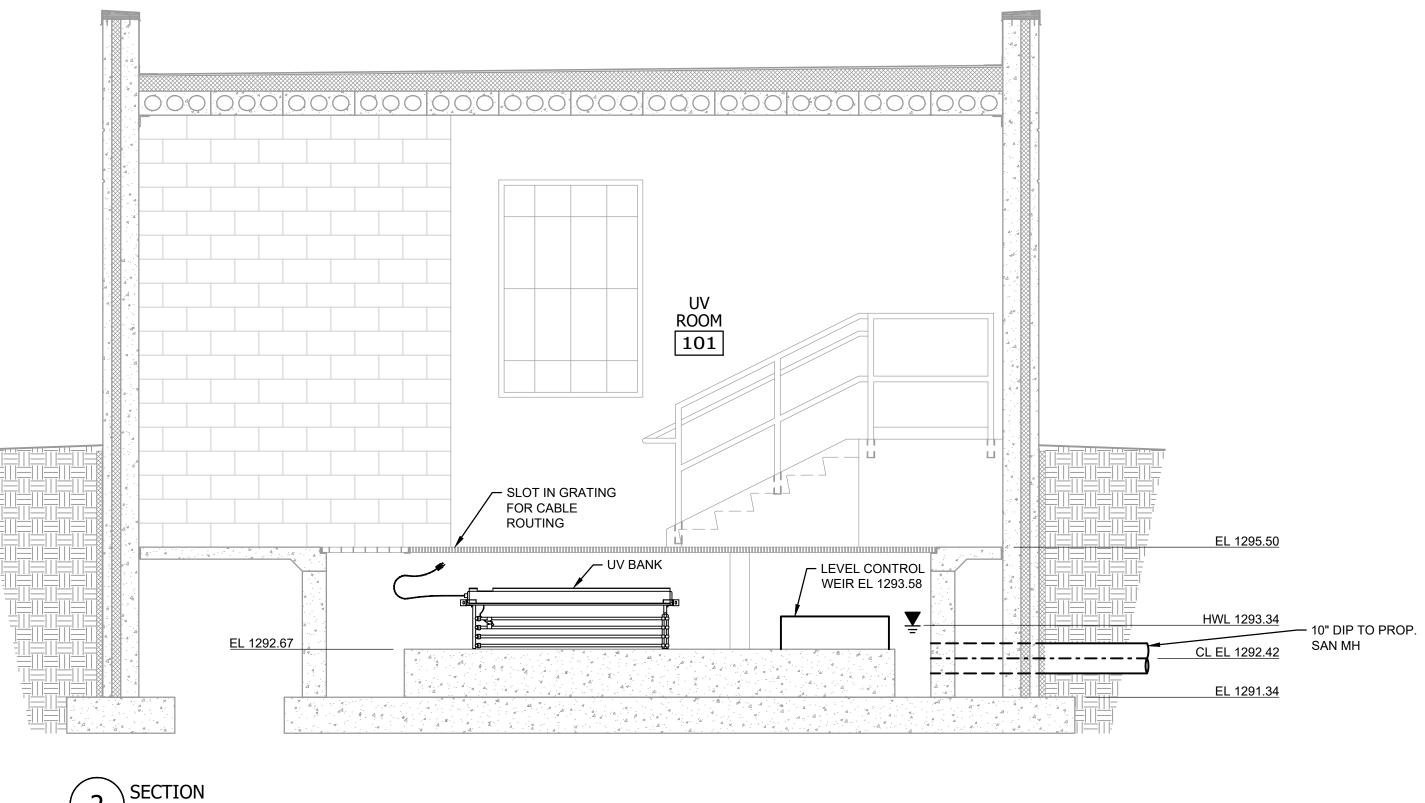


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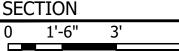
DESIGNED CHECKED APPROVE PROJ. NO.	SURVEY DRAWN	NO REVIS	CITY OF HARMONY, MINNESOTA	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA	Ctanter
D		SION	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	PRINT NAME: JOHN M. FRIEL	
73420		D		SIGNATURE:	733 Marquette Avenue, Suite 1000
JMF LHS JMF	ACL	ATE		DATE: DECEMBER 9, 2024 LIC. NO.	www.stantec.com

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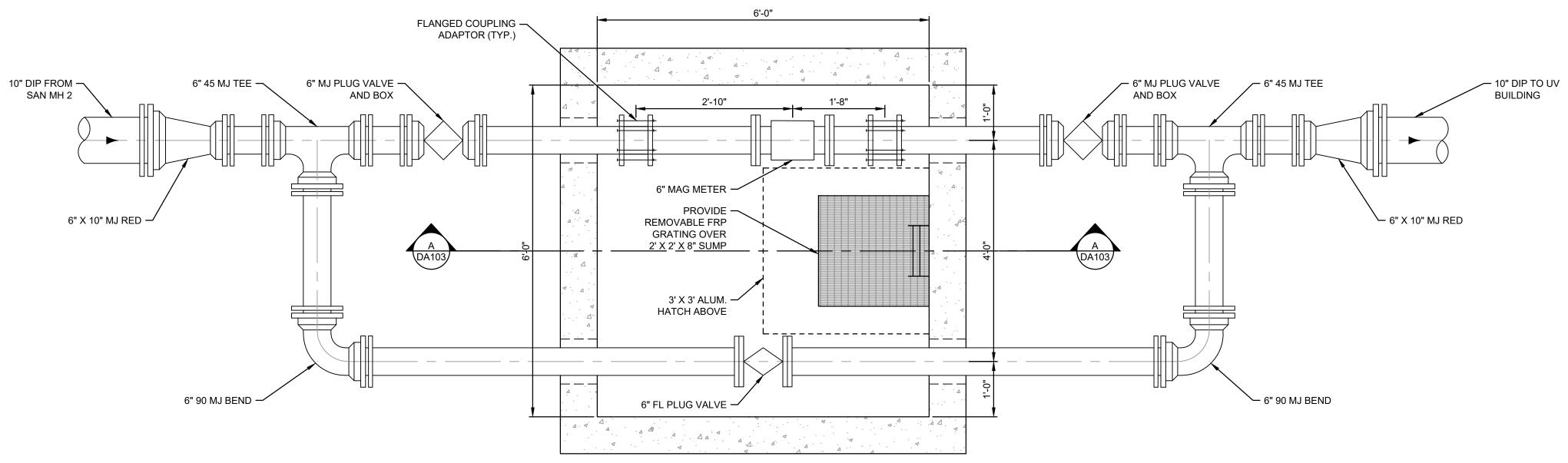




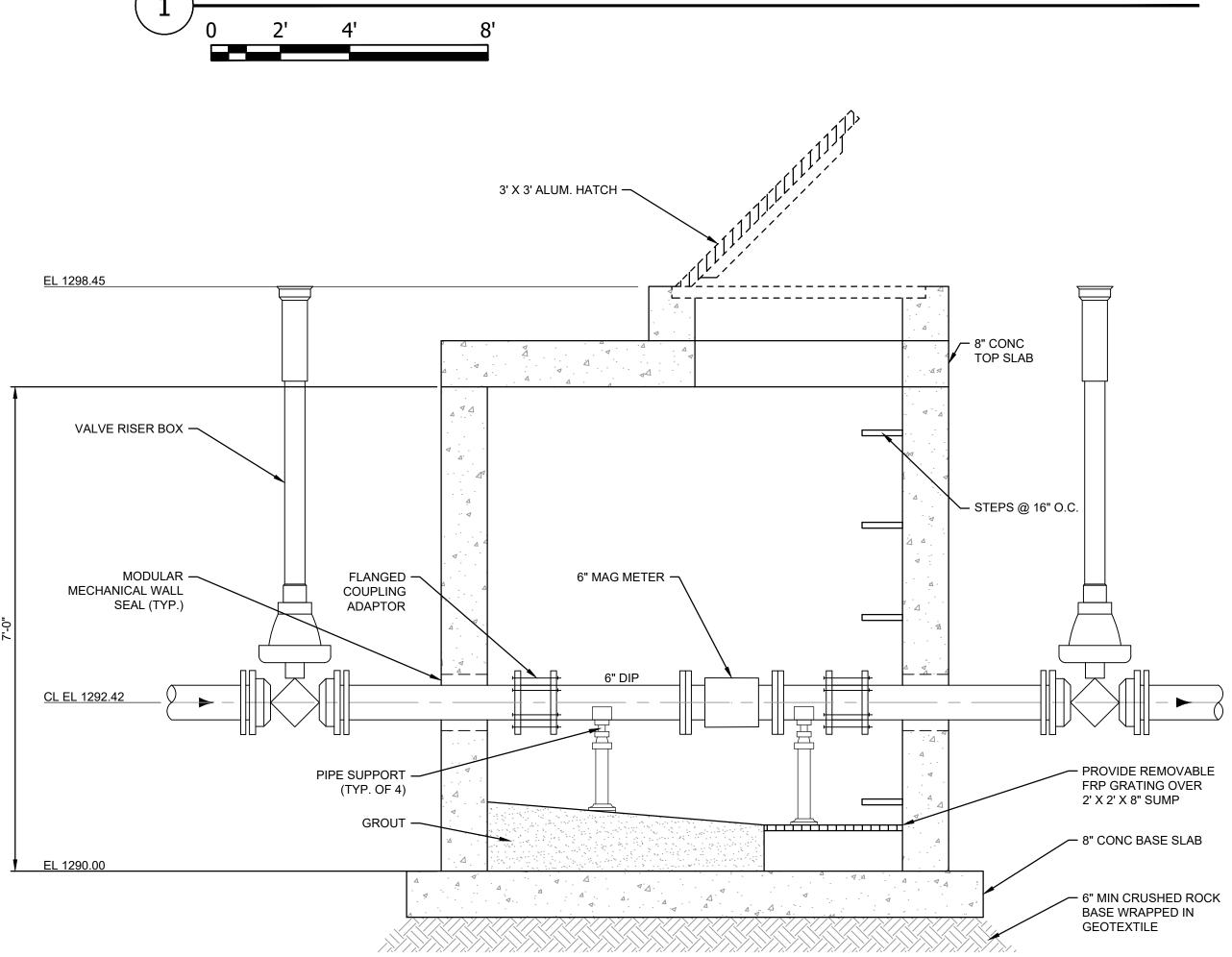


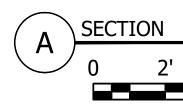
1'-6" 3' 

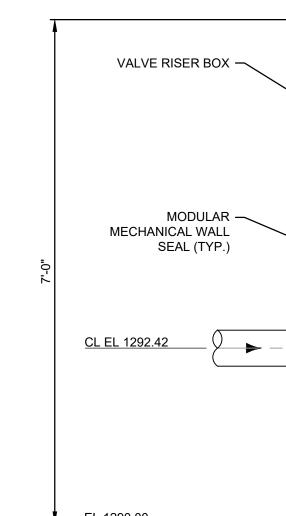
PROJ. NC	DRAWN DESIGNE CHECKEI APPROVI	SURVEY		CITY OF HARMONY, MINNESOTA	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THF I AWS OF THF STATE OF MINNESOTA	
). 1	C			WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	PRINT NAME: JOHN M. FRIEL	
734201					SIGNATURE:	733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402
63	acl Jmf LHS JMF		··· E		DATE: DECEMBER 9, 2024 LIC. NO.	www.stantec.com



**PLAN** 







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AWN SIGNEE ECKED PROVE DJ. NO. She	RVEY		Revis	CITY OF HARMONY, MINNESOLA	WAS FREFARED BT ME OR UNDER MIT URECT SUFERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA	
) D			SION	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	PRINT NAME: JOHN M. FRIEL	
73420 BER			C		SIGNATLIRE:	733 Marquette Avenue, Suite 1000
ACL JMF LHS JMF D163			ATE	efflueni flow meiek vauli - flan and seciion	DATE: DECEMBER 9, 2024 LIC. NO.	Minneapolis, MN 33402 www.stantec.com

## STRUCTURAL NOTES:

GOVE	RNING CODES:		CONS	TRL	JCTION NOT	ES:				
1.	GENERAL	MN STATE BLDG CODE 2020 IBC 2018	1.							
2.	LOADS	ASCE 7-16		Α.				-		
3.	CONCRETE	ACI 318-14			CONSTRUCTIO					
•		ACI 350-06	2.	CO	NCRETE					
4.	STEEL	AISC 360-16		Α.			END HOOKS SH	IALL BE AS SHO	TOP BAR * HOC 36 IN 6 IN 48 IN 8 IN 60 IN 10 I 72 IN 12 I 105 IN 14 I 120 IN 16 I 135 IN 19 I NENT PLACED SUCH THA MBER BELOW THE SPLIC OVER UNLESS NOTED. 3" 2" 3/4" CNTS EXCEPT WHERE DESCRIPTIONS RAWING UNLESS NOTED F BUILDING INTERIOR U GRADE AT 12 FEET MAX CEED 1.5 : 1.0.	LLOWING TABLE
5.	MASONRY	TMS 402/602-16				).		I		
					REINF BAR	SLAB, WAL	L, COLUMN	BE	AMS	90 DEG END
					SIZE	BAR LAP	TOP BAR *	BAR LAP		HOOK
DESIG	N LOADS:				#3	19 IN	24 IN	28 IN		6 IN
D.		TTT			#4	25 IN	32 IN	37 IN		
K.	ISK CATEGORY	III			#5	31 IN 37 IN	40 IN 48 IN	46 IN 56 IN		
1.	DEAD LOADS				#0	57 IN 54 IN	70 IN	81 IN		
	CONCRETE	150 PSF			#7	62 IN	80 IN	93 IN		
	8" PRECAST PLANK	62 PSF			#9	70 IN	90 IN	104 IN		
	8" CMU @ GROUTED 32" OC ROOF	48 PSF 15 PSF								
	MECHANICAL/ELECTRICAL	5 PSF								
2.	LIVE LOADS			В.	REINFORCING	BARS SHALL H	AVE THE FOLLO	WING CONC. C	OVER UNLESS	NOTED.
	FLOOR	60 PSF			1. CONCRETE	E CAST AGAINS	ST EARTH		3"	
	ROOF	20 PSF			2. TIPPING F WALLS AN		_ANES, DEMO, M	1SW AREA	2"	
3.	SNOW LOAD (S)						DTHER CONCRE	TE	3/4"	
	P <sub>g</sub> P <sub>f</sub>	50 PSF 38.5 PSF				TO WEATHER (			·	
	Ċe	1.0		C.						
	I C <sub>t</sub>	1.1 1.0							D BY THE ENGI	NEER.
	DRIFTING	N/A		D. _	BEVEL ALL EXP					
4.	WIND LOAD (W)			E.			-		es and openin	GS.
	BASIC WIND SPEED, V I	116 MPH (3 SECOND GUST) 1.0 (RISK III)		F. G.			DRING WHERE II TE DETAILS SHO		Drawing Unle	SS NOTED.
	EXPOSURE K <sub>ZT</sub>	1.0								
-										
5.	NET ALLOWABLE SOIL BEARING PRESSURE	2,000 PSF	SLAB	CON	NSTRUCTION	I NOTES:				
			1.				\B WITH #4 @ 1	.2" O.C. E.W. A	T BUILDING IN	TERIOR UNLESS
MATE	RIALS:		2							
1.	CONCRETE	4,500 PSI AT 28 DAYS,	2.		ACING. SEE DETA		IS IN ALL INTER	CIOR SLABS ON	I GRADE AT 12	FEET MAXIMUM
2.	REINFORCEMENT BARS	ASTM A615, GRADE 60	3.	JOI	INTED SLAB PAN	EL LENGTH TO	WIDTH RATIOS	SHALL NOT EX	XCEED 1.5 : 1.0	
3.	MASONRY									
	CONCRETE MASONRY UNITS	ASTM C90 2,000 PSI COMP. STRENGTH	FOUN							
	JOINT REINFORCEMENT	LADDER TYPE, NO. 9 WIRE ASTM A153, CLASS B2 GALV.	FOUN		TION NOTES	-				
	MORTAR	ASTM C270, TYPE S	1.		Fer to geotech Osen valley te		I NU.24164.MNF	K, DATED OCTC	ивек 15, 2024, I	PRODUCED BY
	GROUT	ASTM C476, 3,000 PSI COMPREHENSIVE STRENGTH	2.		ELD VERIFY SIZE, CHITECT/ENGINE			F EXISTING FO	OOTINGS. NOTI	FY
4.	PRECAST CONCRETE PLANK	MIN 5,000 PSI AT 28 DAYS	3.	ALL	L TOPSOIL, FILL,	ORGANIC AND	/or black clay			BELOW THE ECHNICAL REPORT.
5.	STRUCTURAL FILL	CLEAN SAND OR GRAVEL W/ <10% PASSING #200 SIEVE	4.	CO		BLE SUBGRADE	E SOILS TO A MI	INIMUM 95% S	TANDARD PRO	CTOR DENSITY ±3
			E	-	DISTURE CONTEN					
			<b>ר</b>	- PL 4						

## CONICT DI ICTIONI NINTECO

5. PLACE AND COMPACT 2'-0" THICK IMPORTED STRUCTURAL FILL UNDER ALL NEW FOUNDATIONS, INTERIOR SLABS. PLACE IN MAX 8" HIGH LIFTS AND COMPACT TO MIN 95% PROCTOR DENSITY, ±3% MOISTURE CONTENT.

6. PROVIDE EMBEDDED DOWELS IN FOOTINGS TO MATCH ALL VERTICAL WALL REINFORCING U.N.O. SECURELY TIE DOWELS PRIOR TO PLACING CONCRETE.

7. ELEVATIONS OF TOPS OF FOOTINGS VARIES. SEE PLAN.

8. DROP FOOTING BELOW ALL UNDER FLOOR PIPES.

9. VERIFY ASSUMED EQUIPMENT LOADS, DIMENSIONS AND FOUNDATION CONFIGURATION WITH EQUIPMENT MANUFACTURER.

## PRECAST CONCRETE PLANK NOTES:

- 1. PRECAST PLANK BEARING ELEVATION VARI
- 2. BRACE TOPS OF ALL NON-LOAD BEARING M DETAIL 3/S502.
- 3. PRECAST CONCRETE PLANK SHALL HAVE 1-
- 4. VERIFY PLANK PENETRATIONS SIZES AND L DRAWINGS. PROVIDE SUPPLEMENTAL REIN DIRECTION.

## PRECAST CONCRETE WALL NOTES:

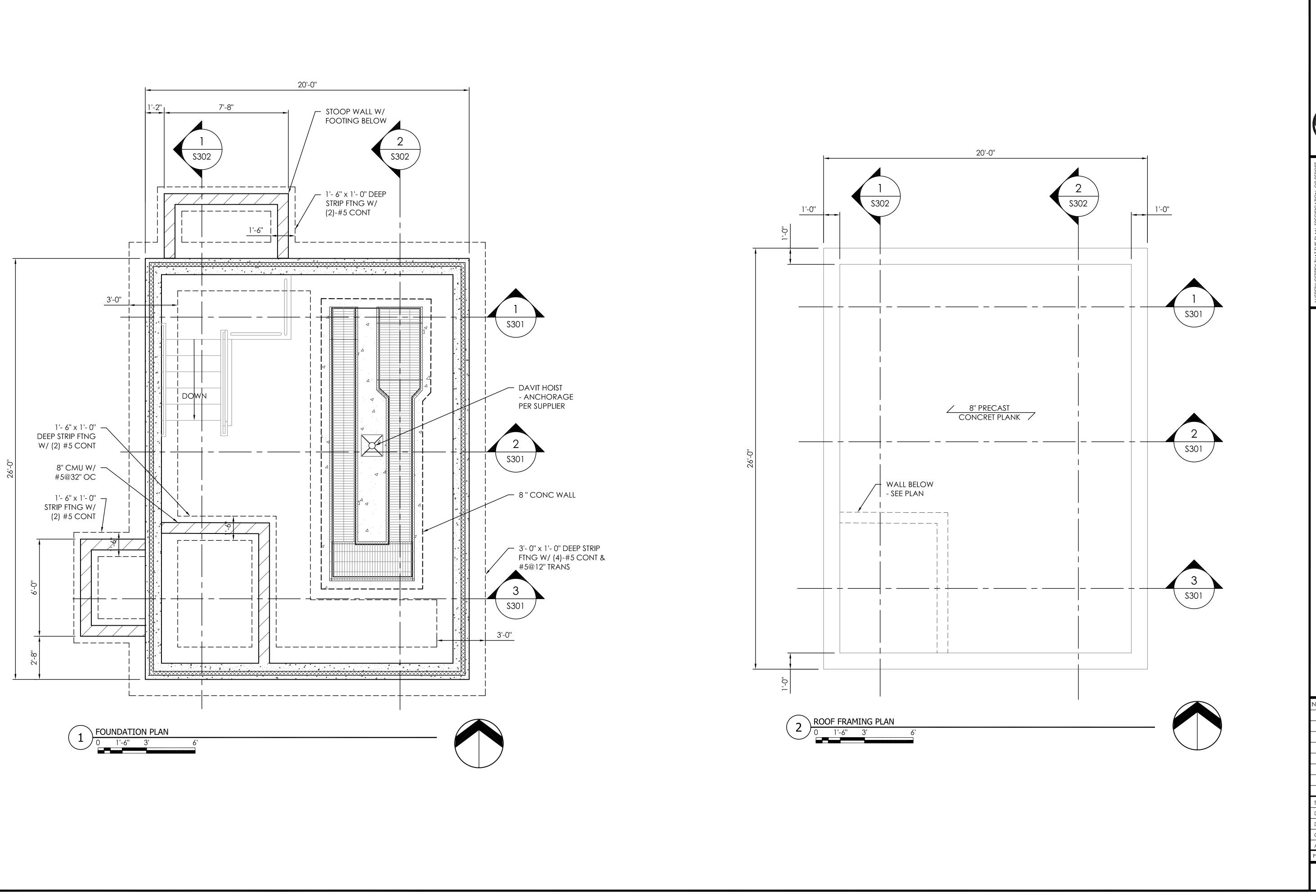
- 1. WALL SHALL BE DESIGNED PER THE APPLIC SPECIFICATIONS.
- 2. PROVIDE PRECAST PLANK BEARING ANGLE
- 3. VERIFY ALL WALL OPENINGS AND PENETRA AND ARCHITECTURAL DRAWINGS.
- 4. FOR WALL FINISH AND COLOR, SEE ARCHIT

## MASONRY WALL CONSTRUCTION NOTE

- 1. CONCRETE BLOCK SHALL BE LAID IN RUNN
- 2. PROVIDE OPEN-CORE STYLE CMU FOR ALL
- 3. PROVIDE BULLNOSED CMU FOR ALL EXPOSI
- 4. PROVIDE VERTICAL #5 @ 32" SPACING IN A
- 5. GROUT FULL ALL CMU CORES CONTAINING
- 6. INSTALL HORIZONTAL JOINT REINFORCING
- 7. PROVIDE MASONRY EXPANSION JOINT DET
- 8. TOOL ALL MASONRY JOINTS CONCAVE.
- 9. SEE DETAILS 1 & 2/S502 FOR MASONRY LIN

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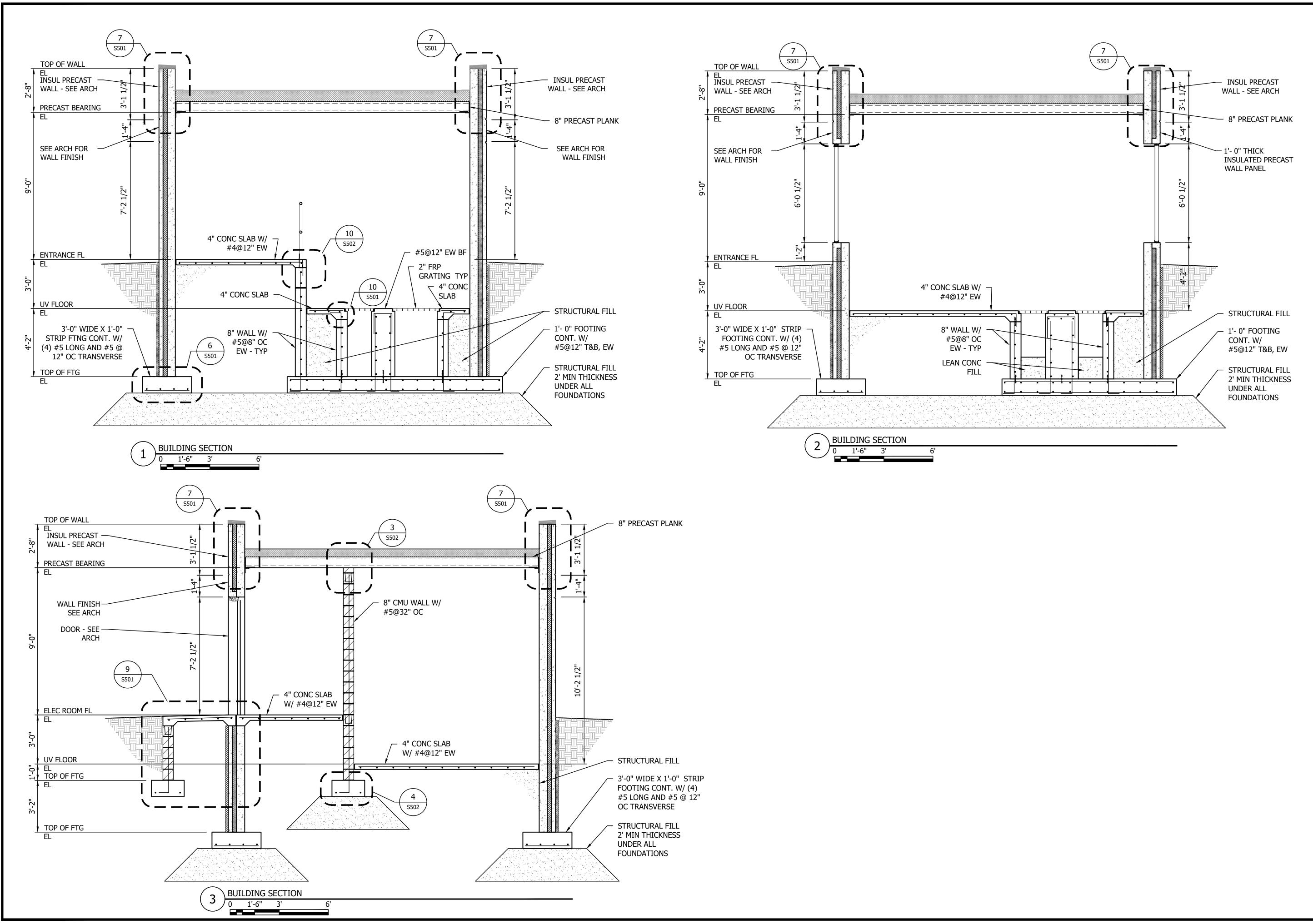
LIES, SEE PLAN. MASONRY WALLS AT PRECAST P -HOUR FIRE RATING UNLESS NO LOCATIONS WITH ARCHITECTU NFORCEMENT AT OPENINGS GRE	)TED. RAL AN	ID MEC	HANICA	AL.				<b>Stantec</b>		733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402 www.stantec.com
CABLE LOADS SHOWN ON THE I AND SLIP CONNECTION EMBED ATIONS WITH MECHANICAL, ELE ITECTURAL DRAWINGS.	S AS N	ECESSA	ARY.	HE				I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA	PRINT NAME: BRIAN G. BELLEMARE	SIGNATURE:
NING BOND UNLESS NOTED. MASONRY WALLS. SED MASONRY WALL CORNERS. ALL MASONRY WALLS UNLESS N G VERTICAL REINFORCEMENT. G IN EVERY OTHER COURSE. TAIL 5/S502 WHERE INDICATED INTEL INFORMATION.	THUS.		-	NSF NO	PECT N/A O	IS REMARK:	5	CITY OF HARMONY, MINNESOTA	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	STRUCTURAL DETAILS
REINFORCED GYPSUM	•				•			NOREVISI	ON	DATE
INSULATING-CONCRETE FILL SPRAY-APPLIED										
FIREPROOFING PILING, DRILLED PIERS										
AND CAISSONS SHOTCRETE								SURVEY		
SPECIAL GRADING EXC AND FILLING								DRAWN DESIGNED CHECKED		HMP BGB
WOOD								APPROVED PROJ. NO.	17	73420163 EP
SPECIAL CASES										



ate: 11/22/2024 - 11:43am ng name: U:\173420163\06\_design\01\_cad\01\_sheets\173420163\_S101. 173420163\_border, 173420163\_X0NS, 173420163\_X1NS

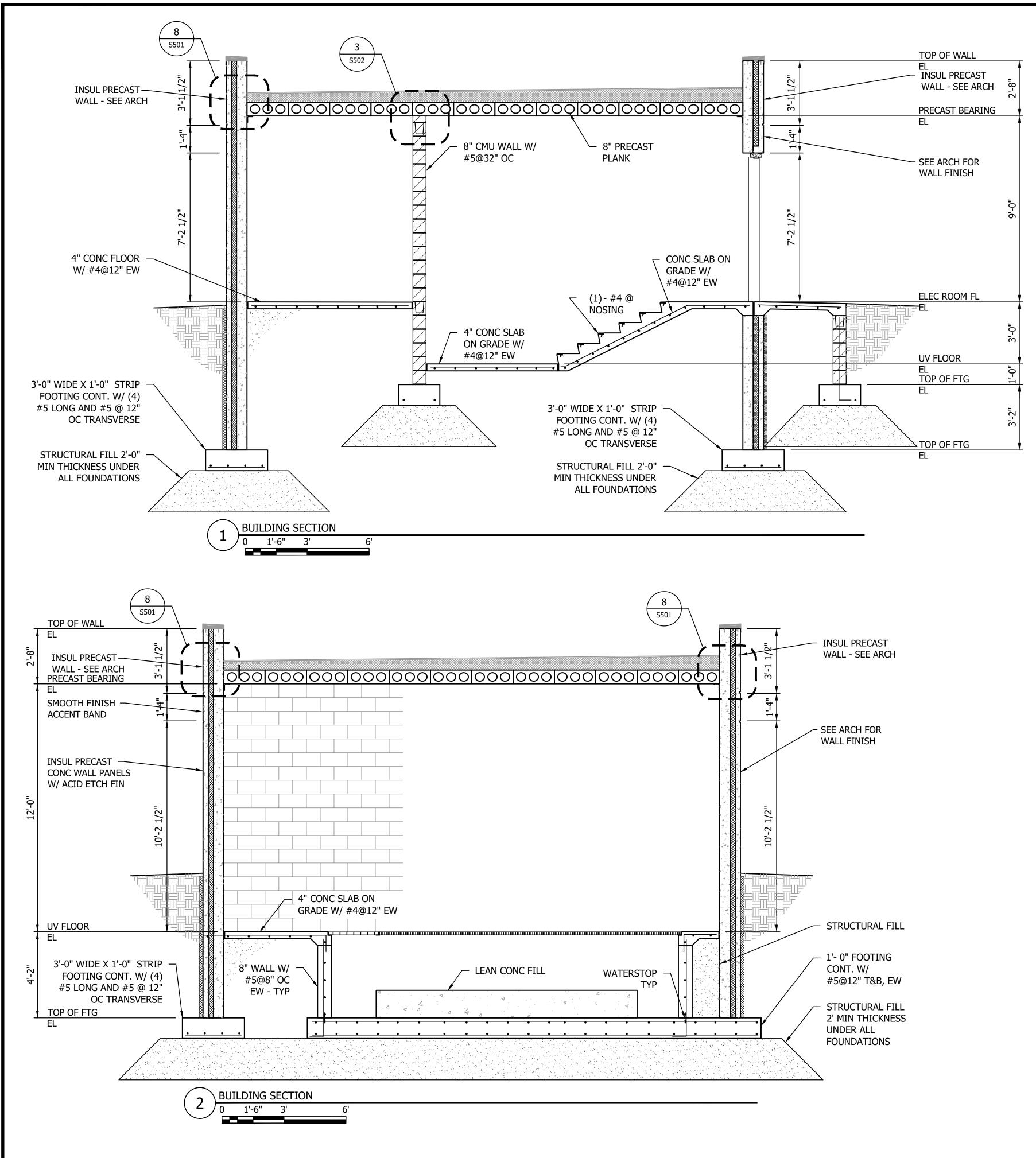
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CITY OF HARMONY, MINNESOTA	UV DISINFECTION	Foundation & Roof Framing Plans	
		DA	.TE
SURVEY DRAWN DESIGNED CHECKED APPROVE PROJ. NO. SHE SA	D I ET NUM	B 734201	MP GB





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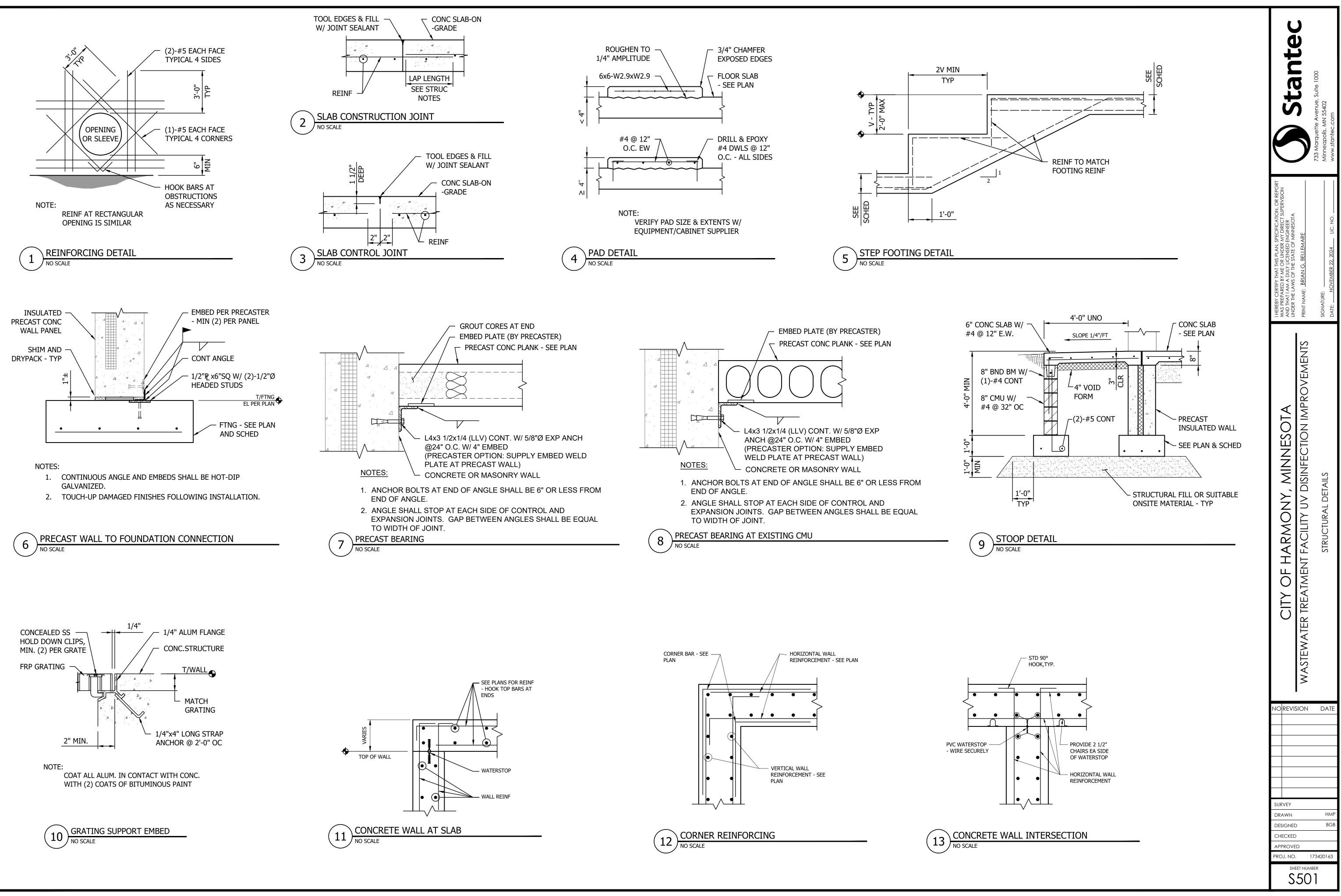


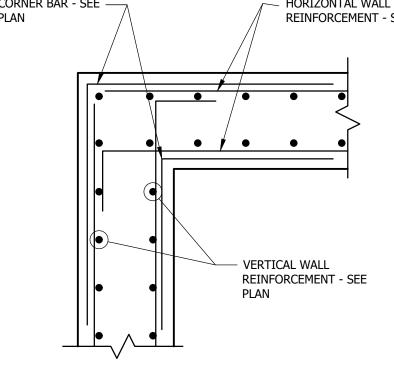


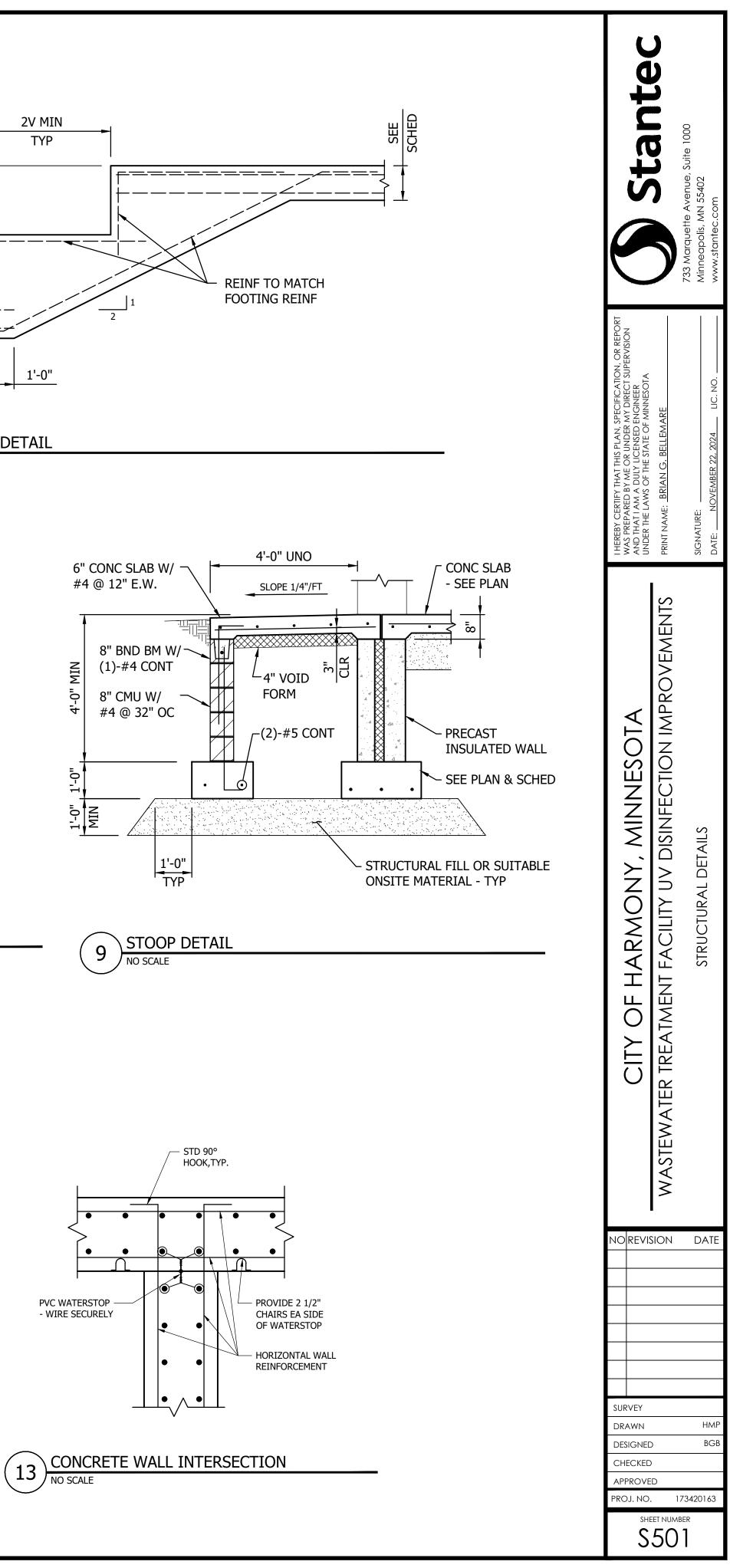
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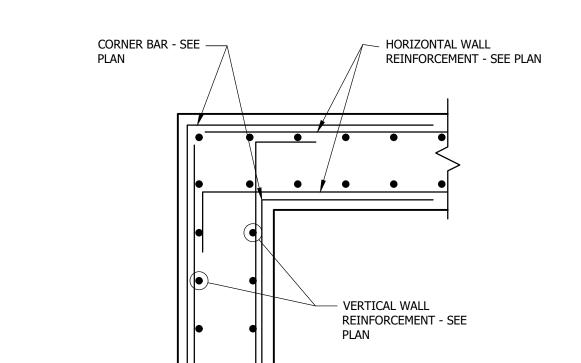
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CITY OF HARMONY, MINNESOTA		WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS		STRUCTURAL SECTIONS	
NO RE	VIS	SION		DA	ATE
SURVEN DRAWI DESIGN CHECK APPRC	N NEC				IMP 3GB
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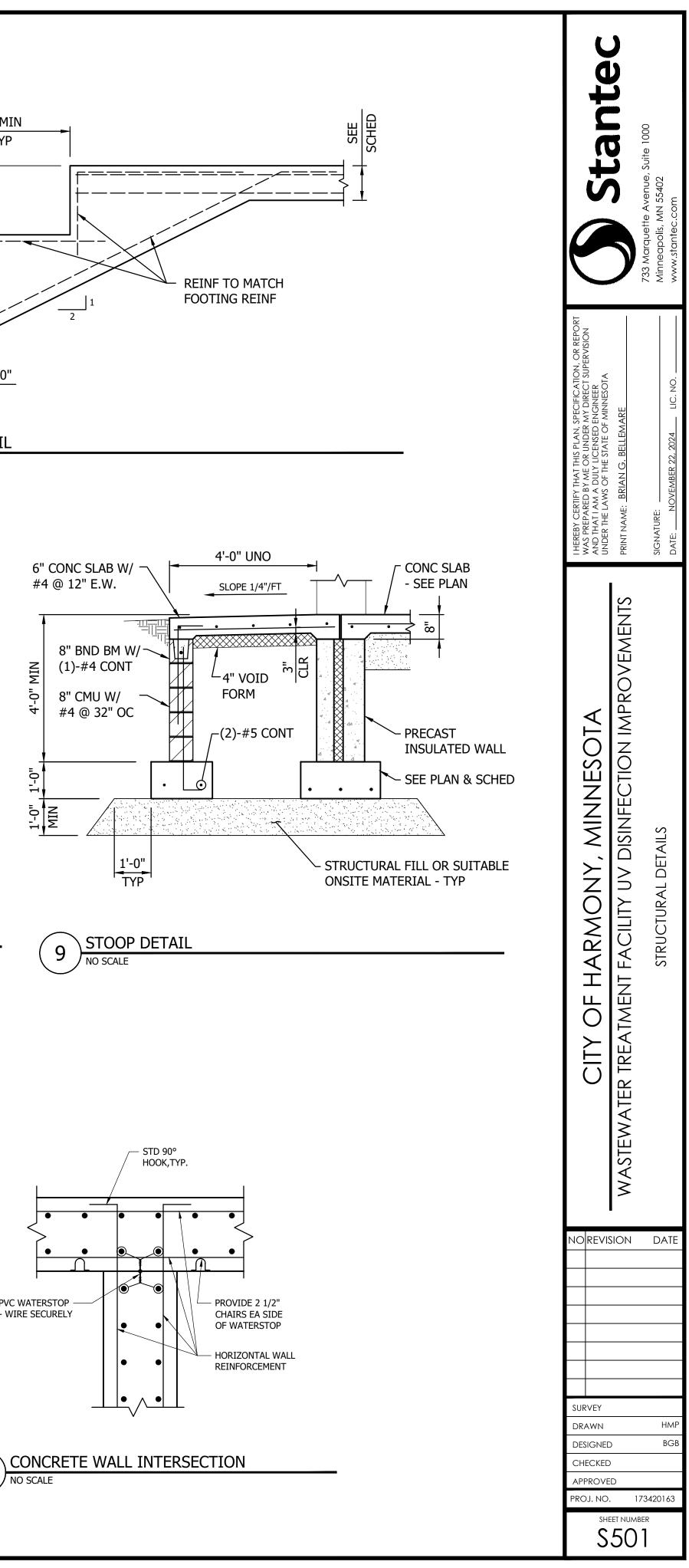


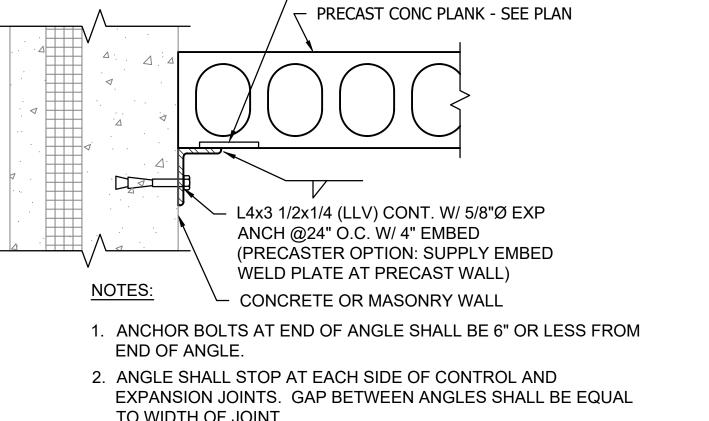


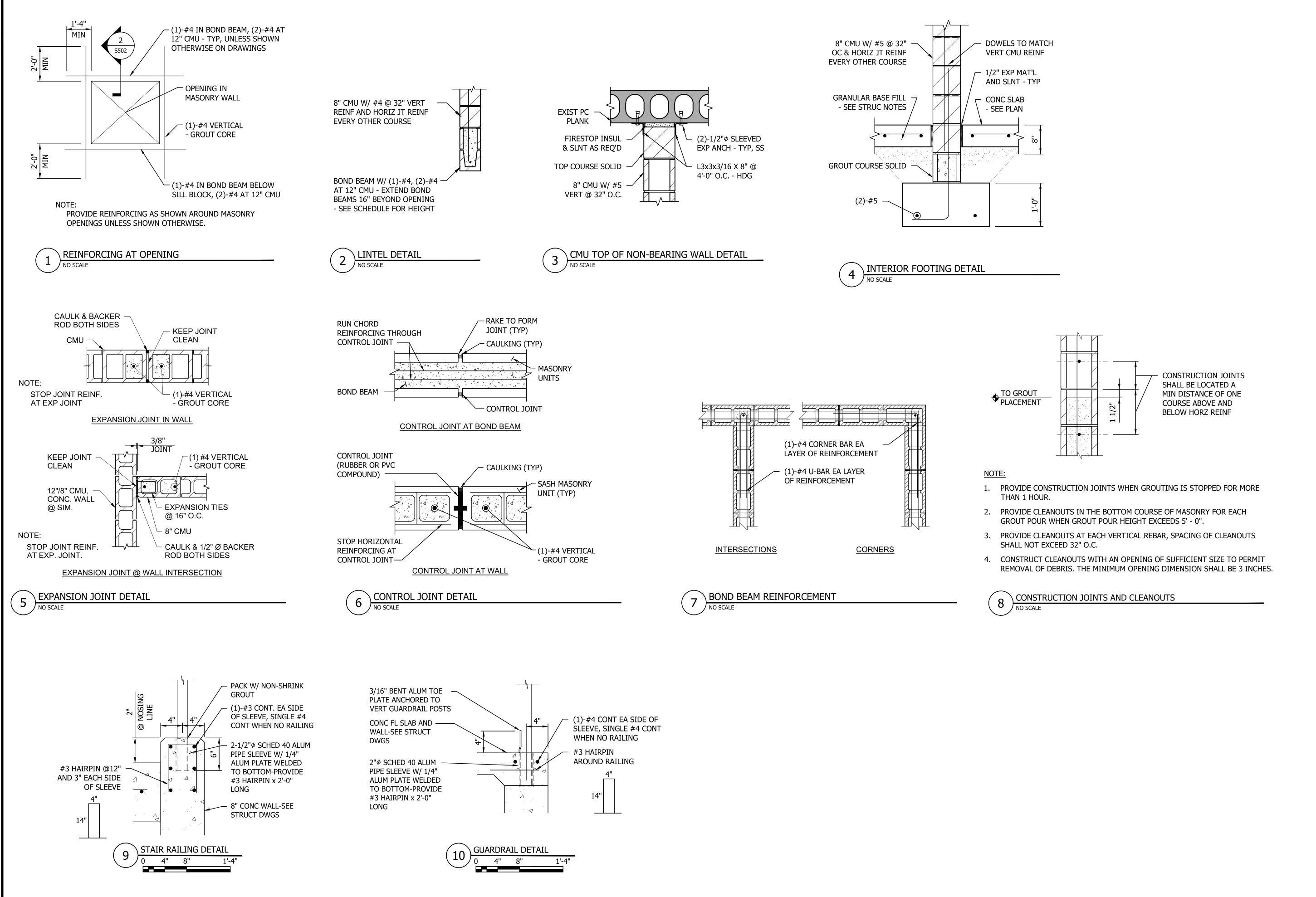














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CITY OF HARMONY, MINNESOTA	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	STRUCTURAL DETAILS
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&	AND	CL	CENTER LINE	ELEC	ELECTRICAL	Нн	HEIGHT	MFR	MANUFACTURER	RA	RETURN AIR
۷.	ANGLE	CCTV	CLOSED CIRCUIT TELEVISION	ELEV	ELEVATOR	HB	HOSE BIB	MH	MANHOLE	RAD	RADIATION
@	AT	CD	COILING DOOR	EMERG	EMERGENCY	HD	HAND DRYER	MHC	MATERIAL HANDLING CONVEYOR	RB	RESILIENT BASE
C.	CENTER LINE	CG	COILING GRILLE	ENCL	ENCLOSURE	HDCP	HANDICAP	MIN	MINIMUM	RD	ROOF DRAIN
	PHASE OR DIAMETER	CL	CLASS	ENTR	ENTRANCE	HDR	HEADER	MIR	MIRROR	RE	RELOCATE EXISTING
#	POUND OR NUMBER	CLG	CEILING	EO	ELECTRICAL OUTLET	HDK	HARDWARE	MISC	MISCELLANEOUS	REC	RECESSED
		CLR	CLEAR	EQ	EQUAL			MO	MASONRY OPENING	REF	REFERENCE
		CM	CONSTRUCTION MANAGER	EQUIP	EQUIPMENT	HM	HOLLOW METAL	MONO	MONOLITHIC	REFR	REFRIGERATOR
۸					EQUIPMENT END SECTION	HORIZ	HORIZONTAL	MPC	METAL PAN CEILING		
A AB	ANCHOR BOLT	CMU	CONCRETE MASONRY UNIT	ES		HPT	HIGHPOINT	MPU	MULTI-PURPOSE UNIT	REG	REGISTER
ACFL	ACCESS FLOOR	CO	CLEANOUT	EWC	ELECTRIC WATER COOLER	HR	HANDRAIL			REINF	REINFORCE/-ED/-ING
ACOUS	ACOUSTICAL	CO	CASED OPENING	EXA	EXHAUST AIR	HT	HEIGHT	MTD	MOUNTED	REM	REMOVE
ACT	ACOUSTICAL CEILING TILE	COL	COLUMN	EXC	EXCAVATE/-ED/-ION	HTR	HEATER	MTR	MOTOR	REQD	REQUIRED
AD	AREA DRAIN	COMB	COMBINATION/-ED	EXH	EXHAUST HOOD	HVAC	HEATING, VENTILATING, AIR	MULL	MULLION	RET	RETAINING
ADA	AMERICAN DISABILITIES ACT	CONC	CONCRETE	EXP	EXPANSION		CONDITIONING			REV	REVERSE
ADD	ADDENDUM	CONF	CONFERENCE	EXT	EXTERIOR	HW	HOT WATER			REV	REVISE
ADDL	ADDITIONAL	CONN	CONNECT/-ED,/-ION			HWD	HARDWOOD	N NA	NOT APPLICABLE	RF	RESILIENT FLOOR
ADJ	ADJUST/ABLE	CONST	CONSTRUCTION					NIC	NOT IN CONTRACT	RH	ROOF HATCH
ADJ	ADJACENT	CONT	CONTINUE/OUS			І іс	INTERCOM	NO	NUMBER	RM	ROOM
ADMIN	ADMINISTRATION	CONTR	CONTRACT/OR				INTERCOM INSIDE DIAMETER	NOM	NOMINAL	RO	ROUGH OPENING
AFF	ABOVE FINISH FLOOR	COORD	COORDINATE	<b>F</b> FA	FIRE ALARM	ID				RS	ROUGH SLAB
AHU	AIR HANDLING UNIT	CORR	CORRIDOR	FB	FIRE BLANKET	IM-FP	INTUMESCENT MASTIC FIREPROOFING	NRC	NOISE REDUCTION COEFFICIENT	RWC	RAIN WATER CONDUCTOR
ALT	ALTERNATE	CPT	CARPET	FBR	FACE BRICK	IN	INCH	NT	NOTE		
ALUM	ALUMINUM	CT	CERAMIC TILE	FD	FLOOR DRAIN	INSUL	INSULATION	NTS	NOT TO SCALE	C	
AMEND	AMENDMENT	CTR	CENTER	FD	FOUNDATION	INT	INTERIOR			S s	SINK
ANUN	ANNUNCIATOR	CTSK	COUNTERSUNK		FIRE DEPARTMENT VALVE	ISO	ISOLATION	$\mathbf{O}$		SCHED	SCHEDULE
ANON	ACCESS PANEL	СТОР	COUNTERTOP	FDV				Оос	ON CENTER	SD	SHOWER DRAIN
AP	ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE	CUH	CABINET UNIT HEATER	FE	FIRE EXTINGUISHER	JAN	JANITOR	OD	OUTSIDE DIAMETER	SD	SMOKE DAMPER
			CURTAIN WALL	FGS	FOAM GASKET SEAL	JB	JUNCTION BOX	OFF	OFFICE	SDISP	SOAP DISPENSER
APPROX	APPROXIMATE	CW	COLD WATER	FH	FIRE HOSE	JST	JOIST	OH	OVERHEAD	SECT	SECTION
ARCH	ARCHITECTURAL	CW		FHP	FULL HEIGHT PARTITION	J31	JOINT	OP	OPERABLE PARTITION	SECY	SECRETARY
AUTO	AUTOMATIC	CYL	CYLINDER	FHV	FIRE HOSE VALVE	JI		OPER	OPERATOR	SF	STORE FRONT
AWT	ACOUSTICAL WALL TREATMENT			FIN	FINISH			OPNG	OPENING	SF	SQUARE FOOT
				FIXT	FIXTURE	<b>К</b> ко	KNOCK OUT	OPP	OPPOSITE	SH	SHOWER
В ва	BUILDING ACCESSORY	DD	DEPTH OR DEEP	FL	FLOOR			ORD	OVERFLOW ROOF DRAIN	SHD	SHOWER HEAD
BBD	BULLETIN BOARD	DEMO	DEMOLITION	FL	FLOW LINE					SHT	SHEET
BC	BRICK COURSES	DEPR	DEPRESSION	FLASH	FLASHING	LL	ANGLE	Р		SHTG	SHEATHING
BD	BOARD	DEPT	DEPARTMENT	FLEX	FLEXIBLE	L	LAVATORY	P part	PARTITION	SIM	SIMILAR
BFE	BOTTOM FOOTING ELEVATION	DET	DETAIL/S	FLG	FLANGE	LAV	LAVATORY	PB	PUSH BUTTON	SL	SEALER
BG	BUMPER GUARD	DF	DRINKING FOUNTAIN	FLUOR	FLUORESCENT	LB	POUND	PC	PRECAST CONCRETE	SLNT	SEALANT
BIT	BITUMINOUS	DIA	DIAMETER	FP	FIRE PROOFING	LCD	LINEAR CEILING DIFFUSER	PCD	PAPER CUP DISPENSER		SLEEVE
ВКТ	BRACKET	DIAG	DIAGONAL	FRMG	FRAMING	LF	LINE FIGURED	PED	PEDESTAL	SLV	SURFACE MOUNTED
BLDG	BUILDING	DIFF	DIFFUSER	FS	FULL SIZE	LIN	LINEAR	PL	PLATE	SM	
BLKG	BLOCKING	DIM	DIMENSION	FS	FLOOR SINK	LKR	LOCKER	PL	PROPERTY LINE	SNC	SANITARY NAPKIN CABINE
BLT	BORROWED LIGHT	DISP	DISPENSER	FSTOP	FIRESTOPPING	LLH	LONG LEG HORIZONTAL	PLAM	PLASTIC LAMINATE	SND	SANITARY NAPKIN DISPOS
BLW	BELOW	DIST	DISTRIBUTION	FT	FOOT/FEET	LLV	LONG LEG VERTICAL	PLBG	PLUMBING	SOG	SLAB ON GRADE
BM	BEAM	DIV	DIVISION	FTG	FOOTING	LMC	LINEAR METAL CEILING	PLS	PLASTER	SP	STANDPIPE
BO	BY OWNER	DJT	DUMMY JOINT	FTR	FIN TUBE RADIATION	LOC	LOCATION OR LOCATE	PLW	PLYWOOD	SPC	SPECIMEN PASS THROUGH
BOF	BY OWNER FUTURE	DN	DOWN	FURR	FURRING	LOC	LOW POINT	PNL	PANEL	SPEC	SPECIFICATIONS
BOT	BOTTOM	DP	DEMOUNTABLE PARTITION	FUT	FUTURE		LAWN SPRINKLING	PR	PAIR	SPR	SINGLE PLY ROOF
BR	BRICK	DP DP	DATA PROCESSING	FUT	FUTURE	LS		PRELIM	PRELIMINARY	SQ	SQUARE
BRG	BEARING					LT	LIGHT	PRES	PLASTIC RESIN	SQ YD	SQUARE YARD
		DR	DOOR	C		LTG	LIGHTING	PRESS	PRESSURE	SR	SERVICE RECEPTOR
BRL	BRICK LEDGE	DS	DOWNSPOUT	<b>G</b> GA	GAUGE	LVR	LOUVER	PRIM	PRIMARY	SS	SERVICE SINK
BSMT	BASEMENT	DW	DUMBWAITER	GAL	GALLONS	LWC	LINEAR WOOD CEILING	PROJ	PROJECTION	SST	STAINLESS STEEL
BTWN	BETWEEN	DWG	DRAWING	GALV	GALVANIZED			PROJ	POWER ROOF VENTILATOR	ST	STREET
BULL	BULLETIN	DWLS	DOWELS	GB	GRAB BAR	N 4		PRV PT	POWER ROOF VENTILATOR PAINT	ST	STONE TILE
BUR	BUILT-UP ROOFING			GB	GRADE BEAM	М м	MIDDLE	PT	PAINT PAPER TOWEL CABINET	STC	SOUND TRANSMISSION
				GC	GENERAL CONTRACTOR	MAN	MANUAL			STD	STANDARD
С с	CHANNEL			GEN	GENERATOR	MATL	MATERIAL	PTR	PRINTER	STL	STEEL
	CUP DISPENSER	E EXIST	EXISTING	GEN	GENERAL	MAX	MAXIMUM	PVC	POLYVINYL CHLORIDE	STN	STONE
CDISP		EC	ELECTRIC CABINET	GL	GLASS	MBD	MARKER BOARD	_		STNL	STONE LEDGE
CAB	CABINET	EF	EXHAUST FAN	GMU	GLASS MASONRY UNIT	MC	MEDICINE CABINET	<b>Q</b> ਹਾ	QUARRY TILE	STOR	STORAGE
CG	CORNER GUARD	EIFS	EXTERIOR INSULATION	GR	GRADE	MCU	MODULAR COOLING UNIT	<b>~</b> ~	<u></u>	STOK	STRUCTURAL
	COAT HOOK		AND FINISH SYSTEM	GYB	GYPSUM BOARD	MECH	MECHANICAL	-		STRUCT	STEEL STRUCTURE
CH											
CH CJT	CONTROL/CONTRACTION JOINT	EJT	EXPANSION JOINT				MEMBRANE	<b>R</b> R	RADIUS		
	CONTROL/CONTRACTION JOINT	EJT EL	EXPANSION JOINT ELEVATION	GYP	SHTG GYPSUM SHEATHING	MEMB MET	MEMBRANE METAL		RADIUS RISER	SUPV	SUPERVISOR

## INDICATION OF MATERIALS

ମନ୍ଦୁମନ୍ଦୁ ମନ୍ଦ୍ର EARTHWORK ଜଧୀତ ସାଦ୍ଧରମନ୍ଦ୍ର FILLS

CONCRETE - CAST IN PLACE/PRECAST

TERRAZZO

BRICK

STONE

CONCRETE MASONRY UNIT

 TILE (CERAMIC

 OR QUARRY)

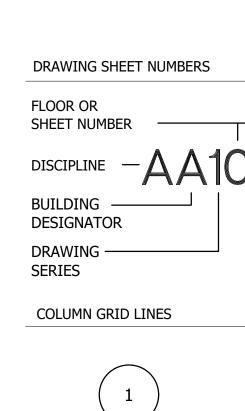
PLASTER, SAND, GYPSUM BOARD, PARTICLE BOARD

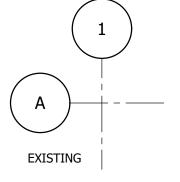
Wood Blocking or Framing
PLYWOOD
INSULATION
METAL
ACOUSTICAL MATERIAL

WOOD (FINISH)

EXPANSION MATERIAL

## 



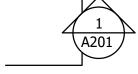


REFERENCE TO DETAIL ON LARGE SHEET

DETAIL	Detail Number
A501	Sheet Number

## ARCHITECTURAL ABBREVIATIONS

$\mathbf{O}$	



ELEVATION



Dimension Line

Note Leaders

Match Line

Center Line-@

Or Fin. Fl. Line

N.I.C. Or

Broken Line Line

Future Equipment

Existing Partitions To Be Removed.

Existing Partitions

New Partition W/

Reference Bubble

Existing Door And Frame

New Louver

To Be Removed.

To Remain.

Above Or Below Or

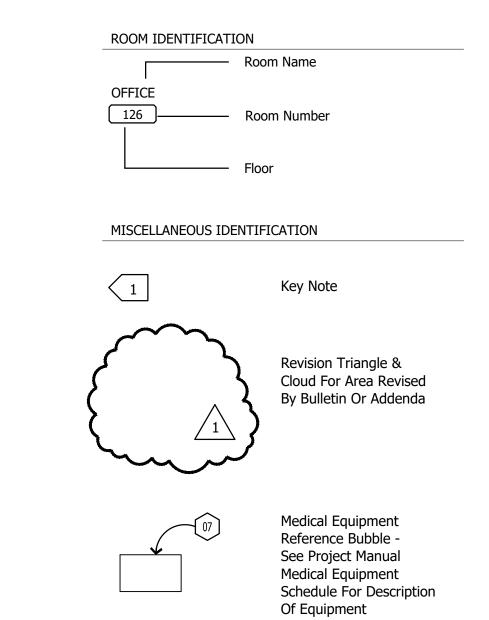
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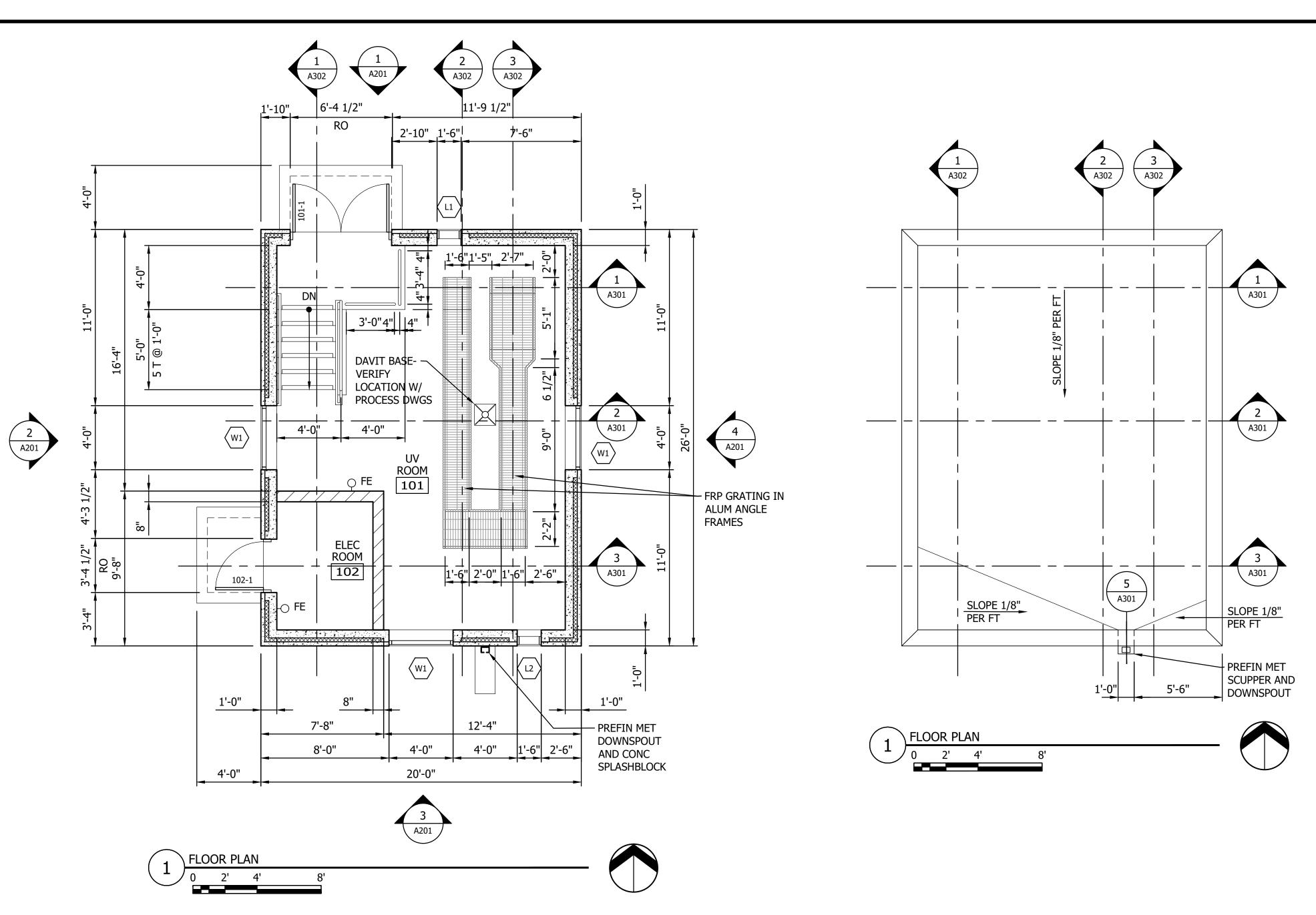
OR

## SYMBOLS



ED N CABINET	SUSP SW SW SW SW SYM T TAN TBD TC TCAB TDISP TDR TEL TEMP TER TG THRES TPH TR TRANSF TS TV TYP J U UC UFD UG UH UNFIN UNO US UTIL	SUSPENDED STEEL WINDOWS SWITCH SOFTWOOD SYMMETRICAL TOP TANGENT TACKBOARD TIME CLOCK TOWEL CABINET TISSUE DISPENSER TRENCH DRAIN TELEPHONE TEMPERATURE TERRAZZO TONGUE & GROOVE THRESHOLD TOILET PAPER HOLDER TREAD TRANSFORMER TUBE SECTION TELEVISION TYPICAL URINAL UNDERCUT UNDER FLOOR DUCT UNDER FLOOR DUCT UNDER GROUND UNIT HEATER UNFINISHED UNLESS NOTED OTHERWISE UTILITY VALVE CABINET VENTILATION VERTICAL VESTIBULE VENT THROUGH ROOF	RTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT RED BY ME OR UNDER MY DIRECT SUPERVISION AM A DULY LICENSED ARCHITECT LAWS OF THE STATE OF MINNESOTA :: BRUCE P. PAULSON :: BRUCE P. PAULSON	DATE: NOVEMBER 22, 2024 LIC. NO. 20910 Www.stantec.com
N DISPOSER THROUGH CABINET OR SSION RE E		<ul> <li>WIDTH/WIDE</li> <li>WIDE FLANGE</li> <li>WITH</li> <li>WITHOUT</li> <li>WATER CLOSET</li> <li>WALL COVERING</li> <li>WOOD</li> <li>WINDOW</li> <li>WALL GUARD</li> <li>WALL HYDRANT</li> <li>WHEELCHAIR</li> <li>WATER HEATER</li> <li>WATER PROOF</li> <li>WASTE RECEPTACLE</li> <li>WEATHERSTRIP</li> <li>WAINSCOT</li> <li>WINDOW TREATMENT</li> <li>WEIGHT</li> <li>WOOD WINDOW</li> <li>WELDED WIRE FABRIC</li> </ul> New Window Existing Window To Be Removed. Existing Door To Remain Relocate Existing Door, Frame and Hardware	CITY OF HARMONY, MINNESOTA WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	architectural abbreviations, indication of materials, and symbols
Door Number - See Room Opening Schedule		New Door In Existing Wall Hatching Will Indicate New Material (Example Shows Metal Stud Partition)	NO REVISION [	
		Existing Plumbing Fixtures, Casework, Or Equipment To Be Removed Existing Plumbing Fixtures, Casework, Or Equipment	SURVEY DRAWN DESIGNED CHECKED	BPP BPP
<u></u>		To Remain	APPROVED PROJ. NO. 17342 SHEET NUMBER	0163

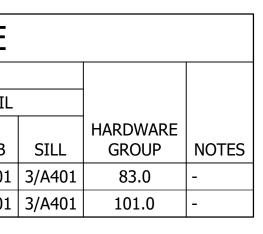
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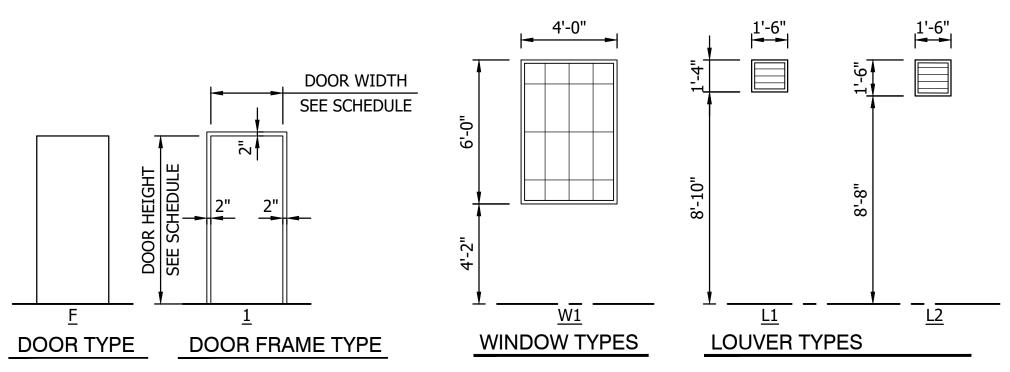


						ROOM	FINISH	SCHEE	DULE						
DOOM		FLO	OR					WALLS					CE	ILING	
ROOM NO	ROOM NAME	MATL	FIN	BASE MATL	NORTH MATL	NORTH FIN	SOUTH MATL	SOUTH FIN	EAST MATL	EAST FIN	WEST MATL	WEST FIN	MATL	HEIGHT	NOTES
101	UV ROOM	CONC	SL-1	CONC/CMU	CONC	-	CONC/CMU	-	CONC	-	CONC/CMU	-	CONC	12'-0"	-
102	ELEC ROOM	CONC	SL-1	CONC/CMU	CMU	-	CONC	-	CMU	-	CONC	-	CONC	9'-0"	-

			DO	OR /	ANC	) FR	AME	SC	HED	ULE
			DOOR						FRAME	
		SIZE								DETAIL
NUMBER	WIDTH	HEIGHT	THICK	MATL	TYPE	GLAZ	MATL	TYPE	HEAD	JAMB
101-1	PR 3'-0"	7'-0"	1 3/4"	НМ	F	-	FRP	1	1/A401	2/A401
102-1	3'-0"	7'-0"	1 3/4"	НМ	F	-	ΗМ	1	1/A401	2/A401

	LOU	/ER /	AND N	WIND	OW SCH	EDULE	
		SI	ZE				
LETTER	FRAME MATL	WIDTH	HEIGHT	STYLE	GLAZING TYPE	DETAILS	NOTES
L1	ALUM	1'-6"	1'-4"	LOUVER	-	7/A401	-
L2	ALUM	1'-6"	1'-6"	LOUVER	-	7/A401	-
W1	ALUM	4'-0"	6'-0"	-	08 45 13	4,5,6/A401	-





PROJ. NO. She	DESIGNED CHECKED APPROVE	SURVEY DRAWN			CITY OF HARMONY, MINNESOTA	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA	
	D		 	SION	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	PRINT NAME: BRUCE P. PAULSON	
_	70.45		 	D	ELOOR PLAN ROOF PLAN AND SCHEDLILES	SIGNATURE:	733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402
00	BPP	BPP		ATE		DATE: NOVEMBER 22, 2024 LIC. NO. 20910	www.stantec.com

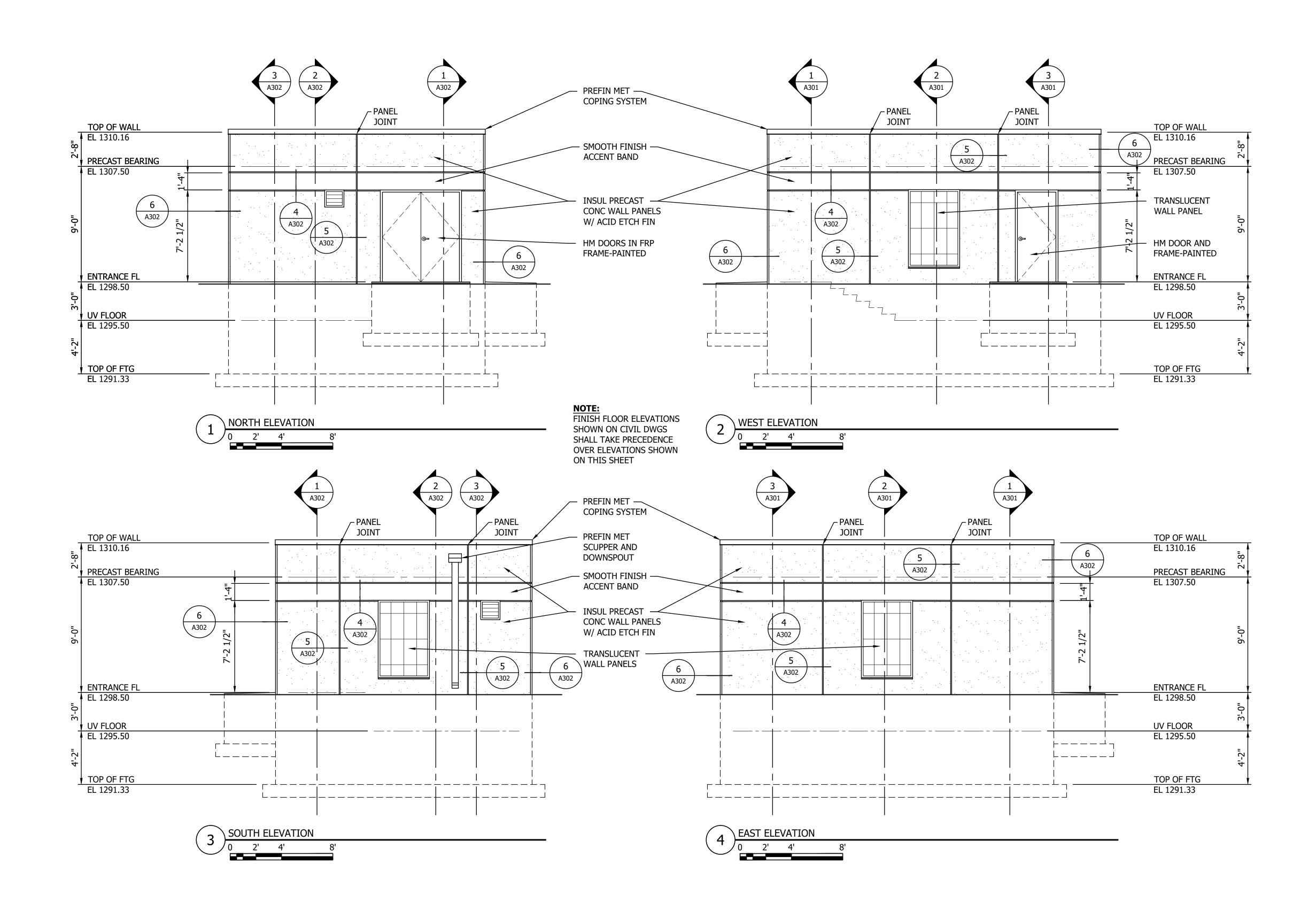
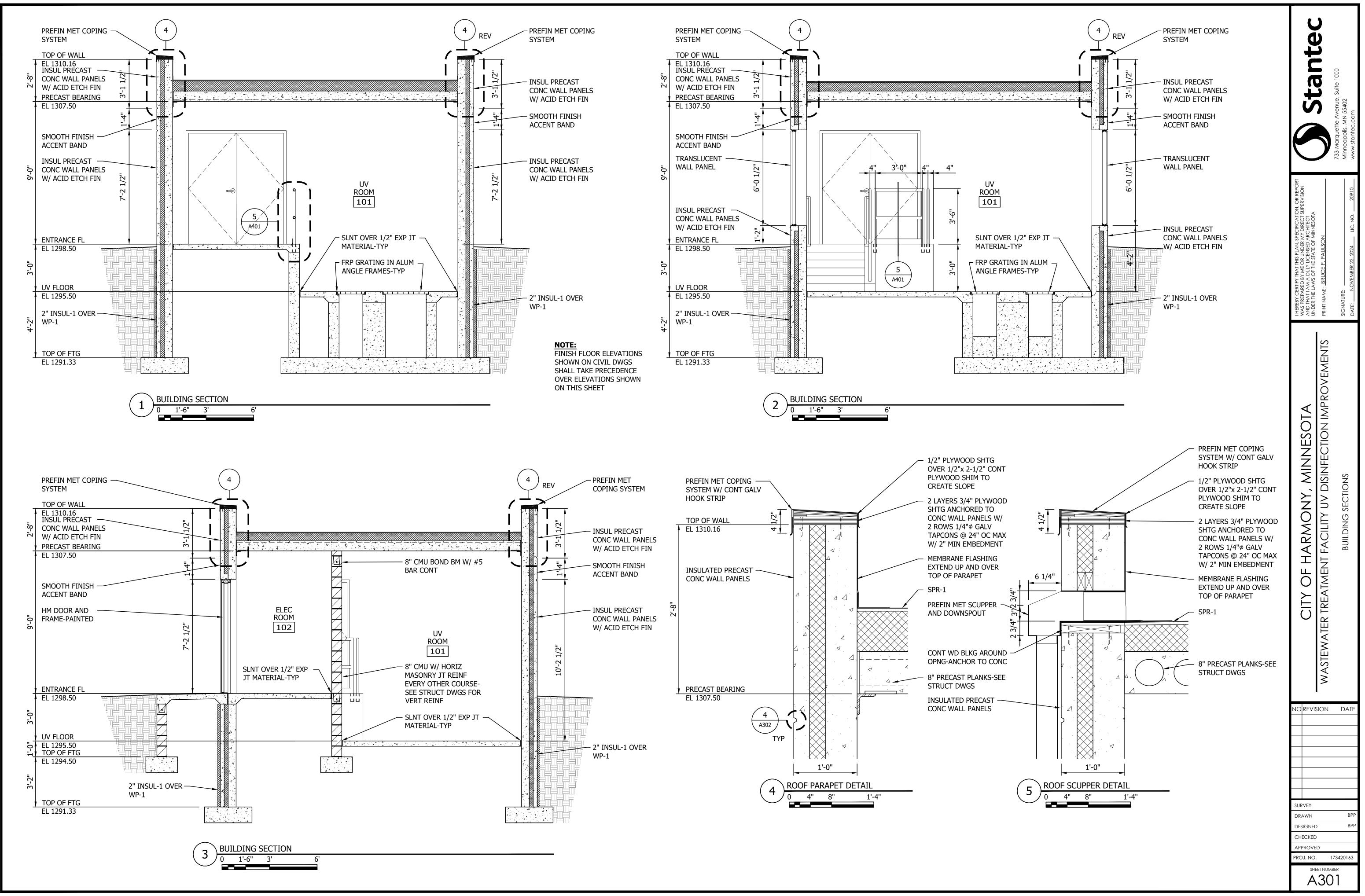


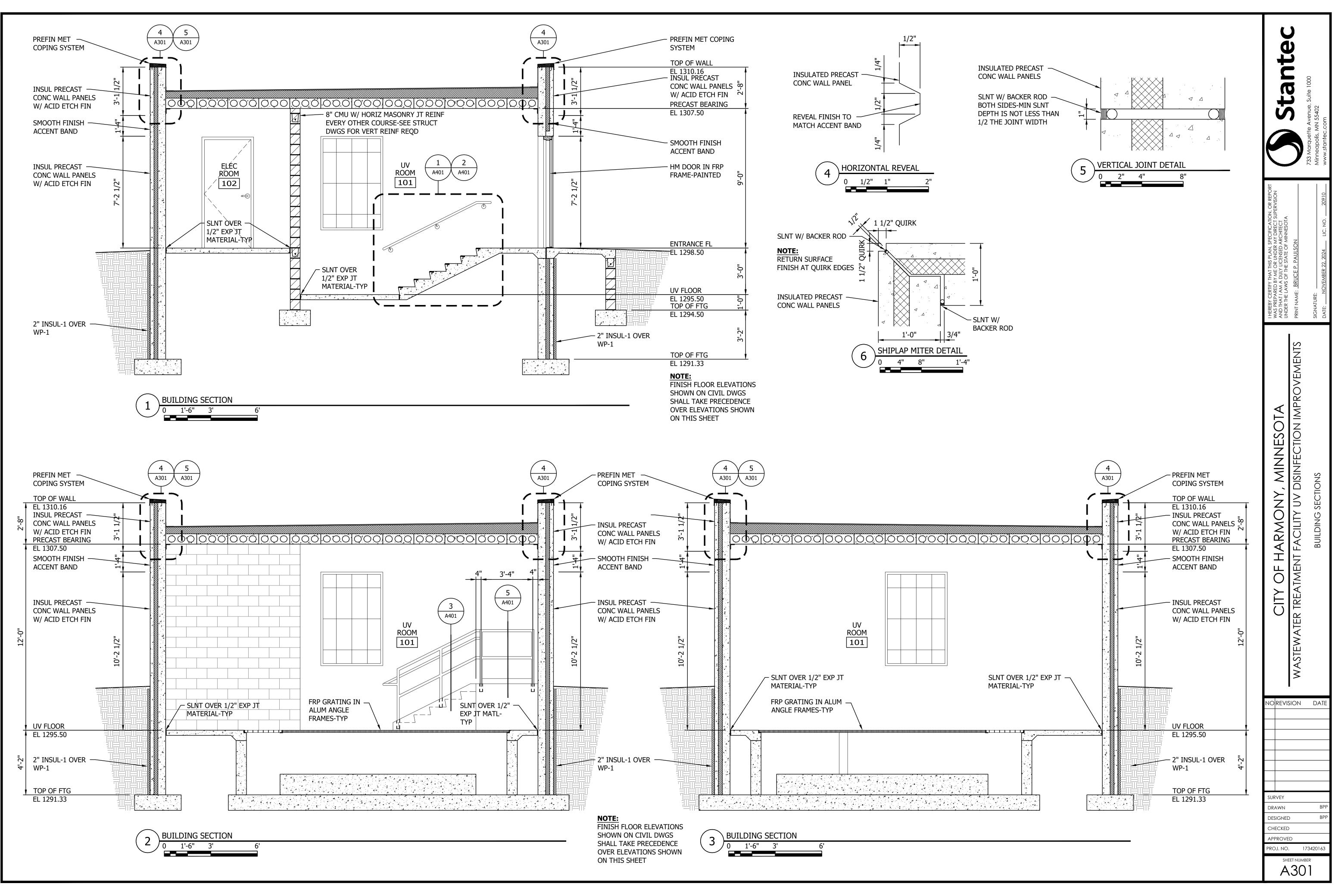
Image: Signal display=1       Image: Signa_1       Image: Signal display=1
CHECKED
SURVEY DRAWN BPP DESIGNED BPP CHECKED
DRAWN BPP DESIGNED BPP CHECKED
DRAWN BPP DESIGNED BPP CHECKED
DESIGNED BPP CHECKED
APPROVED           PROJ. NO.         173420163

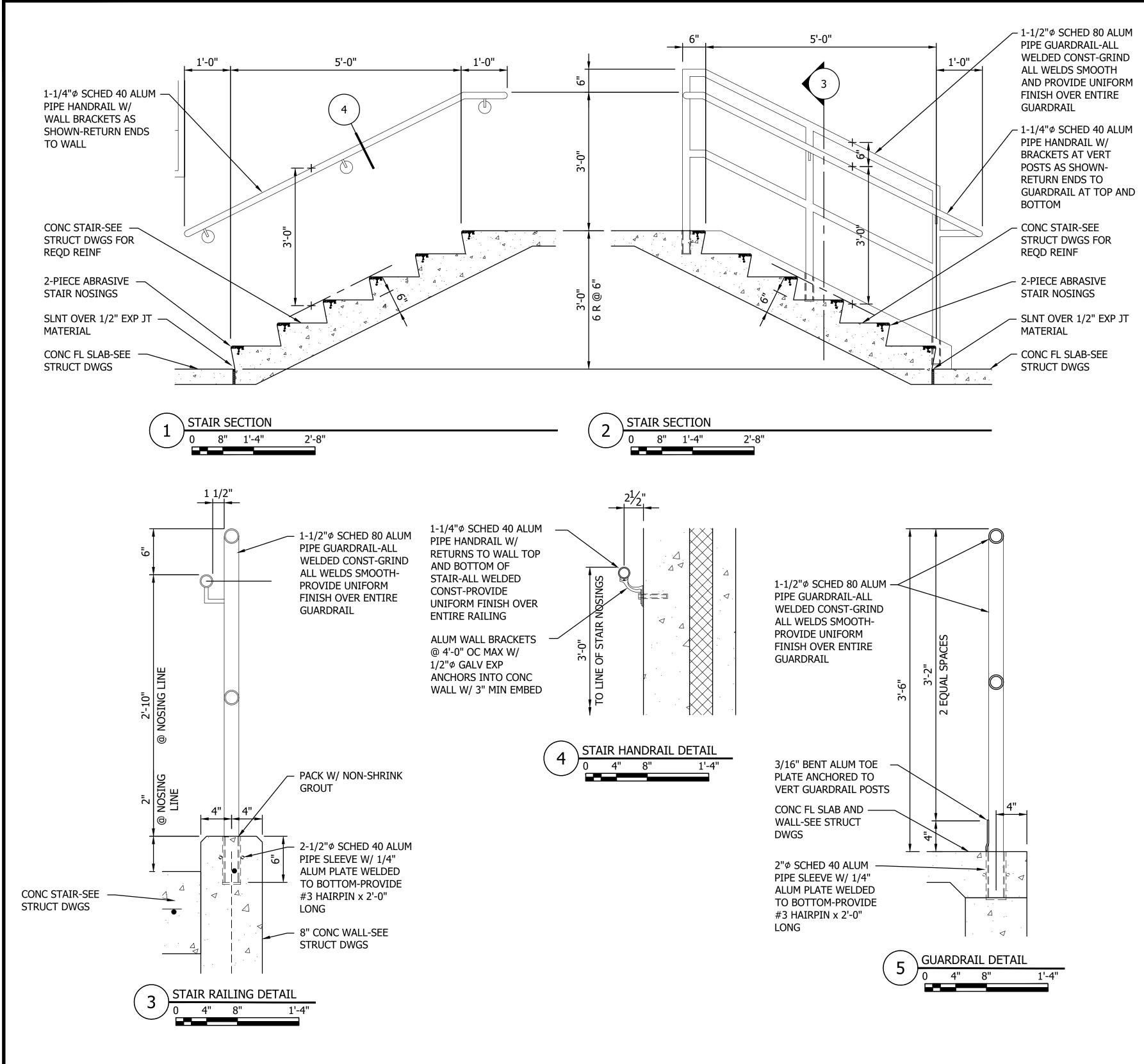


THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. THE COPYRIGHTS TO ALL DESIGNS AND DRAWINGS ARE THE PROPERTY OF STANTEC. REPRODUCT OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

> lot Date: 11/19/2024 - 10:13am rawing name: \\U\$0291-ppfss01\shared\_projects\173420163\06\_design\01\_cad\01\_sheefs\173420163\_A301.dwg refs:, 173420163\_XSNA, 173420163\_BDR



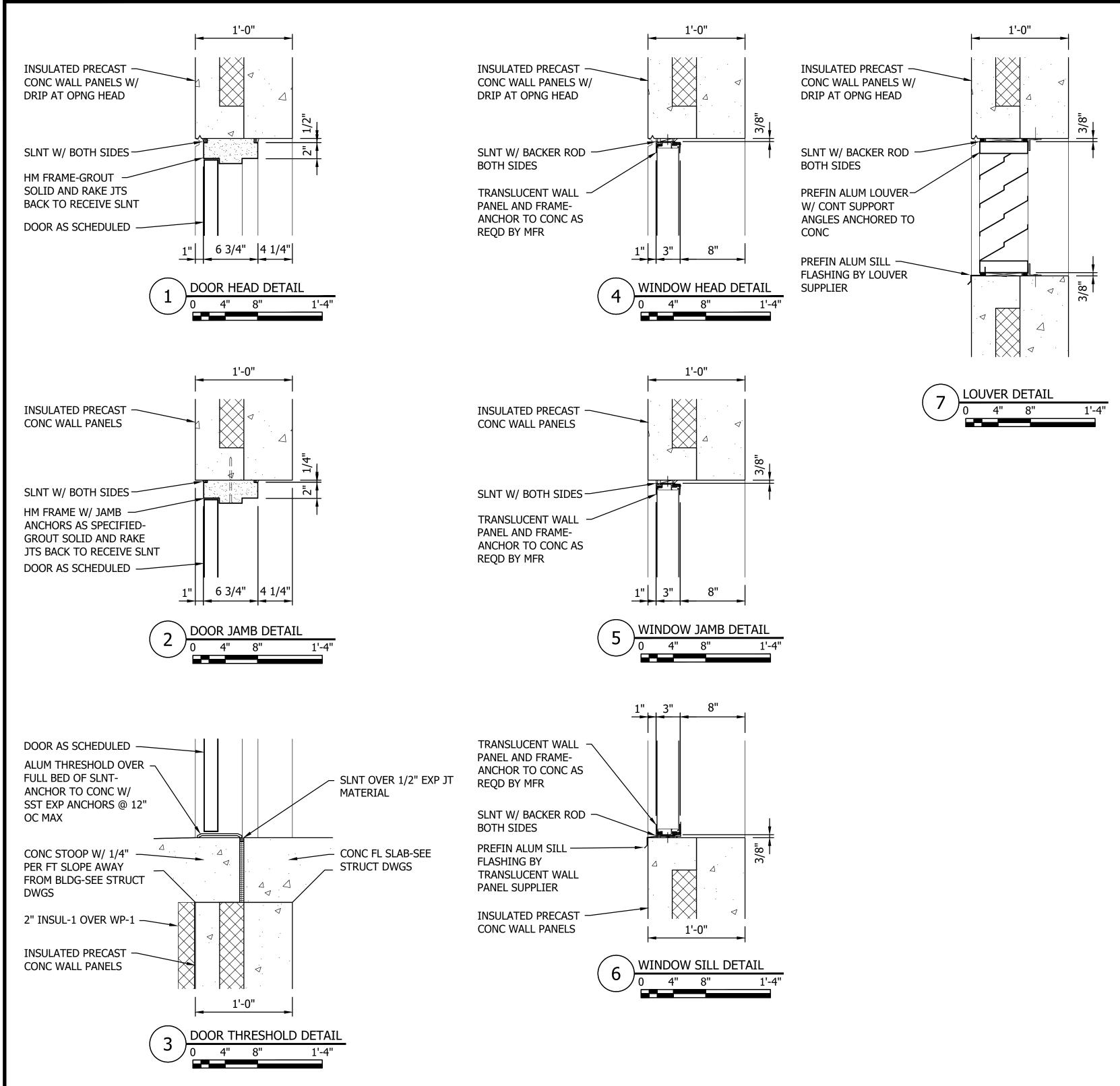


lot Date: 11/19/2024 - 10:13am rawing name: \\Us0291-ppfss01\shared\_projects\173420163\06\_design\01\_cad\01\_sheets\173420163\_A302.dwg refs:, 173420163\_XSNA, 173420163\_BDR 

Plot Date: 11/19/2024 - 10:14am Drawing name: \\Us0291-ppfss01\shared\_projects\173420163\06\_design\01\_cad\01\_sheets\173420163\_A401.dwg Xrefs:, 173420163\_XSNA, 173420163\_BDR

		733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402 www.stantec.com
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CITY OF HARMONY, MINNESOTA	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	INTERIOR DETAILS
		DATE
	D	_

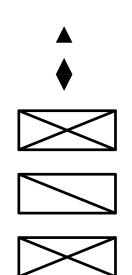
HAR HO



Ctan		733 Marquette Avenue, Suite 1000 - Minneapolis, MN 55402 - www.stantec.com
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA	PRINT NAME: BRUCE P. PAULSON	SIGNATURE:
CITY OF HARMONY, MINNESOTA	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	DOOR, WINDOW AND LOUVER DETAILS
	SION	DATE
SURVEY DRAWN DESIGNED CHECKED APPROVE PROJ. NO.	D	BPP BPP 73420163
		BER
	.JC	1

	MECHANICA	L ABBREVIATIONS								
JUEN.	ABV	ABOVE	DT	DRIP TRAP	HB	HOSE BIBB	PHW	PROCESSED HOT WATER	TW	TEMPERED WATER
FORBIL	AC	AIR CONDITIONING	DEMO	DEMOLITION	HC	HEATING COIL	РН	PENTHOUSE	ТҮР	TYPICAL
ALEC IS	ACU	AIR CONDITIONING UNIT	DF	DRINKING FOUNTAIN	HDG	HEAVY DUTY GRILLE	PRV	POWER ROOF VENTILATOR	UF	UNDERFLOOR
sy sian	AD	AREA DRAIN	DFS	DRY FIRE SPRINKLER	HG	REFRIGERANT HOT GAS	PRV	PRESSURE REGULATING VALVE	UH	UNIT HEATER
- -		ABOVE FINISHED CEILING	DG	DOOR GRILLE	HORIZ	HORIZONTAL	PSI	POUNDS PER SQUARE INCH	UR	URINAL
E I		ABOVE FINISHED FLOOR	DIA	DIAMETER	HPR	HIGH PRESSURE CONDENSATE RETURN	PSIG	PSI GAUGE	V	VENT
HAI		ACOUSTICAL LINING	DI	DEIONIZED	HPS	HIGH PRESSURE STEAM	PVC	POLYVINYL CHLORIDE	VAC	VACUUM
AHI		AIR HANDLING UNIT	DMPR	DAMPER	HTR	HEATER	PW	PUMPED WASTE	VAV	VARIABLE AIR VOLUME
É C			DMFR	DOWN	H STAT	HUMIDISTAT	RA	RETURN AIR	VCP	VITRIFIED CLAY TILE PIPE
KPC					HW	HOMIDISTAT	RAD	RETURN AIR DUCT	VERT	VERTICAL
ANY ANY		ACCESS PANEL	E	EAST		HOT WATER CIRCULATED	RAD	RADIATOR	VFD	VARIABLE FREQUENCY DRIVE
ц Ц		APPROXIMATE	EA		HWC		RCP	REFLECTED CEILING PLAN	VS	VENT STACK
Ś			EAT		HWR	HOT WATER RETURN	RCP	REINFORCED CONCRETE PIPE	VTR	VENT THRU ROOF
		ARCHITECT ARCHITECTURAL	EF	EXHAUST FAN	HWS	HOT WATER SUPPLY				
		AIR SEPARATOR	ELEC	ELECTRIC	HX	HEAT EXCHANGER OR CONVERTOR	RCVR		W	WATER SERVICE
		BLOWDOWN	ELEV	ELEVATION	ID	INSIDE DIMENSION	RCD	ROUND CEILING DIFFUSER	W	WEST
		BELOW FINISHED FLOOR	ENCL	ENCLOSURE	IBS	IN BEAM SPACE	R D		WC	WATER CLOSET
	BFV	BUTTERFLY VALVE	ER	EXHAUST REGISTER	IJS	IN JOIST SPACE	RE	RETURN EXHAUST FAN	WCO	WALL CLEANOUT
	BFW	BOILER FEED WATER	ESP	EXTERNAL STATIC PRESSURE	INV ELEV	INVERT ELEVATION	RECIRC	RECIRCULATING	WG	WALL GRILLE
	BG	BELOW GRADE	ET	EXPANSION TANK	ITS	IN TRUSS TEE SPACE	REQ D	REQUIRED	WН	WALL HYDRANT
	BHP	BRAKE HORSEPOWER	EWC	ELECTRIC WATER COOLER	IW	INDIRECT WASTE	RF	RETURN FAN	WH	WATER HEATER
	BLW	BELOW	EWT	ENTERING WATER TEMPERATURE	L	REFRIGERANT LIQUID	RH	RELATIVE HUMIDITY	WL	WALL LOUVER
	BOD	BOTTOM OF DUCT ELEVATION A F F	EXH	EXHAUST	LAT	LEAVING AIR TEMPERATURE	RHC	REHEAT COIL	WS	WASTE STACK
	ВОР	BOTTOM OF PIPE ELEVATION A F F	EXP	EXPANSION	LAV	LAVATORY	RHW	RECIRCULATING HOT WATER	WT	WEIGHT
	BOT	BOTTOM	EXIST	EXISTING	LD	LINEAR DIFFUSER	RG	RETURN GRILLE	W	WITH
	BTU	BRITISH THERMAL UNIT	FΤ	FLOAT THERMOSTATIC	LF	LINEAL FEET	RPM	REVOLUTIONS PER MINUTE	WO	WITHOUT
	BTUH	BTU PER HOUR	F	PLUMBING FIXTURE	LG	LONG OR LENGTH	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	W W ENC	WALL TO WALL ENCLOSURE
	CA	COMPRESSED AIR	FA	FREE AREA	LP	LIQUID PROPANE	RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	WW	WELL WATER
	СС	COOLING COIL	FCO	FLOOR CLEANOUT	LPR	LOW PRESSURE CONDENSATE RETURN	RTU	ROOFTOP UNIT		
	CD	CEILING DIFFUSER	FD	FLOOR DRAIN	LPS	LOW PRESSURE STEAM	RWL	RAINWATER LEADER	GENERAL SYMBO	
	CFH	CUBIC FEET PER HOUR	FD FS	FLOOR DRAIN WITH FUNNEL STRAINER	LSD	LINEAR SLOT DIFFUSER	S	REFRIGERANT SUCTION	$\langle 3 \rangle$	NUMBERED NOTE
	CFM	CUBIC FEET PER MINUTE	FD	FIRE DAMPER	LT	LAUNDRY TUB	S	SOUTH	103	ROOM NUMBER
	СІ	CAST IRON	FDV	FIRE DEPARTMENT VALVE	MAU	MAKE UP AIR UNIT	SA	SUPPLY AIR	$\wedge$	ł
	CG	CEILING GRILLE	FFE	FINISHED FLOOR ELEVATION	MAX	MAXIMUM	SAD	SUPPLY AIR DUCT	$\underline{1}$	REVISION NO 1
	CFH	CUBIC FEET PER HOUR	FL	FLOOR	MBH	1000 BTU PER HOUR	SAN	SANITARY	С	DIAMETER OR ROUND
	CHWR	CHILLED WATER RETURN	FMS	FLOW MEASURING STATION	MFG	MANUFACTURER	SD	SLOT DIFFUSER	@	
	CHWS	CHILLED WATER SUPPLY	FPM	FEET PER MINUTE	МΗ	MANHOLE	SF	SUPPLY FAN	L	ANGLE
	CL	CENTER LINE	FR	FUEL RETURN	MIN	MINIMUM	SR	SUPPLY REGISTER	FIRE SPRINKLER	HEAD SYMBOLS
	CLG	CEILING OR COOLING	FRP	FIBERGLASS REINFORCED PIPE	МОТ	MOTORIZED	SP	STATIC PRESSURE	٠	UPRIGHT OR PENDENT HEAD
	CMPR	COMPRESSOR	FS	FUEL SUPPLY	MS	MOP SINK	SPEC	SPECIFICATION	۲	SEMI RECESSED PENDENT
	CWR	CONDENSER WATER RETURN	FS	FIRE SPRINKLER	Ν	NORTH	SQ	SQUARE	$\bigcirc$	RECESSED OR CONCEALED HEAD
	CWS	CONDENSER WATER SUPPLY	FSK	FLOOR SINK	NC	NORMALLY CLOSED	SS	STAINLESS STEEL	$\mathbf{I}$	FREEZEPROOF SIDEWALL HEAD
		CLEAN OUT	FT	FOOT OR FEET	ΝΟ	NORMALLY OPEN	STD	STANDARD	$\triangleleft$	SIDEWALL HEAD
		CONCRETE	FTR	FIN TUBE RADIATION	NO	NUMBER	STM	STEAM	$\Phi$	PRE ACTION PENDENT
		CONDENSATE	FUT	FUTURE	NTS	NOT TO SCALE	STS	STORM SEWER	Ψ	
		CONNECTION	G	GAS PIPING	ΟΑ	OUTSIDE AIR	SYS	SYSTEM	CONTROL SYMB	OLS
		CONSTRUCTION	GA	GAUGE GAGE	OD	OUTSIDE DIMENSION	Δ	TEMPERATURE DIFFERENCE	T	THERMOSTAT OR TEMPERATURE SENSOR
		CONTINUATION	GEN L	GENERAL	OFRD	OVERFLOW ROOF DRAIN	TEMP	TEMPERATURE	Ĥ	HUMIDISTAT OR HUMIDITY SENSOR
		CONTRACTOR	GF	GAS FURNACE	OFRWL	OVERFLOW RAINWATER LEADER	TF	TRANSFER FAN	Ś	TEMPERATURE SENSOR
ກ		CONVECTOR	GPH	GALLONS PER HOUR	OPNG	OPENING	THRU	THROUGH		CARBON MONOXIDE SENSOR
<u>.</u>		CONDENSATE PUMP	GPM	GALLONS PER MINUTE	OS Y	OUTSIDE SCREW YOKE	ТО	TAKE OFF		TIMER SWITCH
		CONDENSING UNIT	GRD	GALLONS PER MINUTE GRADE GROUND	P	PUMP	тор	TOP OF DUCT ELEVATION A F F	P	
		CABINET UNIT HEATER			_ Δ Ρ	PRESSURE DIFFERENCE	ТОР	TOP OF PIPE ELEVATION A F F	(SP)	STATIC PRESSURE SENSOR
$\frac{2}{2}$		COLD WATER DOMESTIC	GR		PCD	PERFORATED CEILING DIFFUSER	ТР	TEMPERATURE AND PRESSURE	,	
1		DRAIN	GS		PC	PUMPED CONDENSATE	T STAT	THERMOSTAT	DIFFUSER DESIG	SNATION CODE
			GV	GRAVITY VENT	PCW	PROCESSED COLD WATER	TSP	TOTAL STATIC PRESSURE	IN	DICATES DIFFUSER TYPE
			Η	HIGH					A-24X12 - IN 750	DICATES NECK SIZE DIAMETER IN INCHES

### DUCTWORK SYMBOLS



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FIRE DAMPER COMBINATION SMOKE FIRE DAMPER

SUPPLY DUCT UP

RETURN OR EXHAUST DUCT UP

SUPPLY DUCT DOWN

RETURN OR EXHAUST DUCT DOWN

MOTORIZED DAMPER

BACKDRAFT DAMPER

OPPOSED BLADE PARALLEL BLADE

SUPPLY AIR DIFFUSER

RETURN OR EXHAUST AIR GRILLE

ROUND DUCT

RECTANGULAR DUCT FIRST FIG IS SIDE SHOWN

MANUAL BALANCING DAMPER

FLEXIBLE DUCT CONNECTION

ACCESS PANEL SIZE AS REQUIRED

SQUARE TURN DUCT ELBOW WITH TURNING VANES

RADIUSED DUCT ELBOW WITH RADIUS 15X WIDTH OF SIDE SHOWN

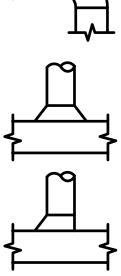
CONICAL BRANCH TAKE OFF CONNECTION

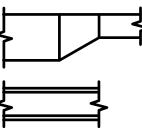
45 D ENTRY BRANCH TAKE OFF CONNECTIONS WITH FILLER PIECES AT CORNERS

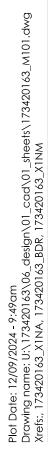
RIGID SHEET METAL BRANCH DUCT WITH FLEXIBLE AIR DUCT EXTENSION TO DIFFUSER

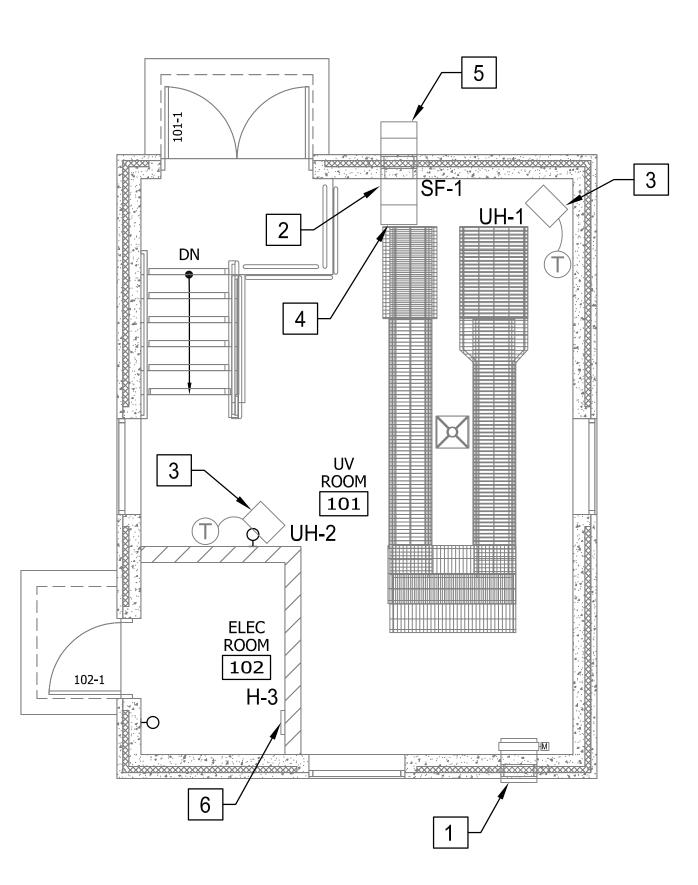
TRANSITION 20 D MAXIMUM ANGLE

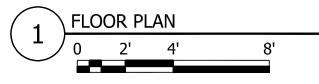
ACOUSTICALLY LINED DUCT











KEY NOTES	$\mathbf{O}$
<ol> <li>18x18 EXHAUST LOUVER WITH A MOTORIZED DAMPER. INTERLOCK WITH SUPPLY FAN.</li> <li>SUPPLY FAN SF-1 WALL MOUNTED. PROVIDE 45 DEGREE WEATHER HOOD, WALL COLLAR AND HOUSING. PROVIDE WALL SWITCH TO LIMIT SUPPLY FAN OPERATION. SEE DETAIL 1/M501.</li> <li>ELECTRIC UNIT HEATER. SEE DETAIL 2/M501.</li> <li>ELECTRIC UNIT HEATER. SEE DETAIL 2/M501.</li> <li>A-16x16 SA GRILLE, 450 CFM.</li> <li>18x16 LOUVER - SIZED TO FIT BETWEEN WEATHER HOOD AND DAMPER.</li> <li>PROVIDE FORCED FAN HEATER H-3 IN ELECTRICAL ROOM AS SCHEDULED. VERIFY LOCATION WITH THE OWNER.</li> </ol>	To the second se
	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA PRINT NAME: JEROMY L. REED SIGNATURE:
GENERAL NOTES	OVEMENTS
1. FIELD COORDINATE EXACT LOCATIONS AND SIZES OF EQUIPMENT CONNECTIONS. TRANSITION AS REQUIRED.	CITY OF HARMONY, MINNESOTA WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS HVAC FLOOR PLAN
	no revision da
	SURVEY DRAWN C DESIGNED C
	CHECKED APPROVED PROJ. NO. 17342010 SHEET NUMBER M101

표정품 S

### ELECTRIC HEATERS

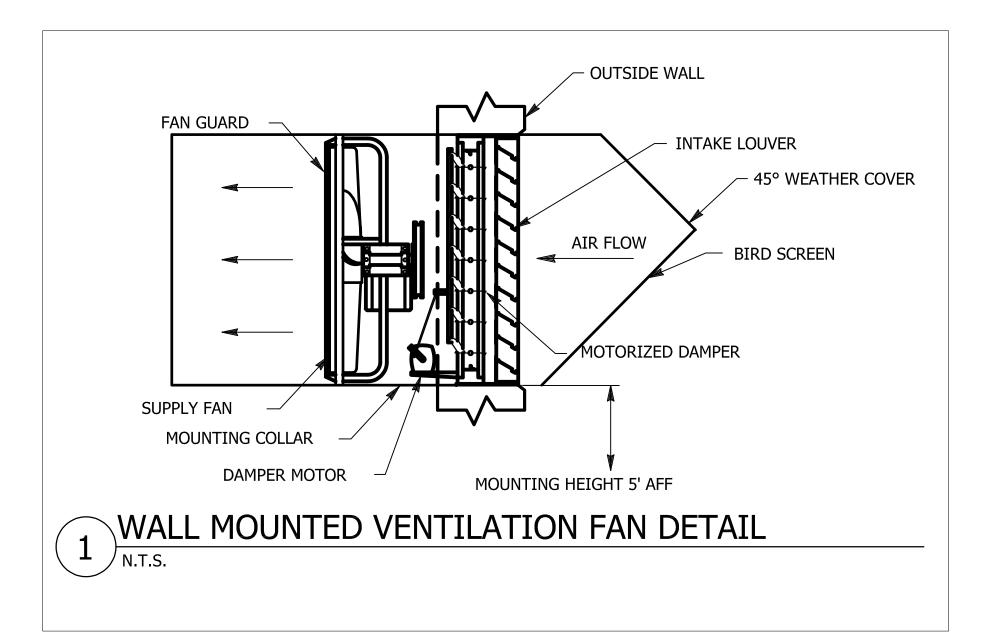
							FAN		
UNIT NO.	LOCATION	SERVICE	TYPE	кw	V/PH/HZ	HP	RPM	V/PH/HZ	REMARKS
UH-1	UV ROOM	BUILDING HEAT	CHROMALOX HVH-10-23-34	7.5	240/3/60	1/15	1725	240/1/60	NOTE 1
UH-2	UV ROOM	BUILDING HEAT	CHROMALOX HVH-10-23-34	7.5	240/3/60	1/15	1725	240/1/60	NOTE 1
H-3	ELEC ROOM	BUILDING HEAT	QMARK CWH1101DSF	1.0	120/1/60	-	-	-	NOTE 1
NOTES: 1. PROVII	DE THERMOSTAT AND V	VALL BRACKET							

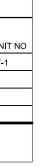
### FANS

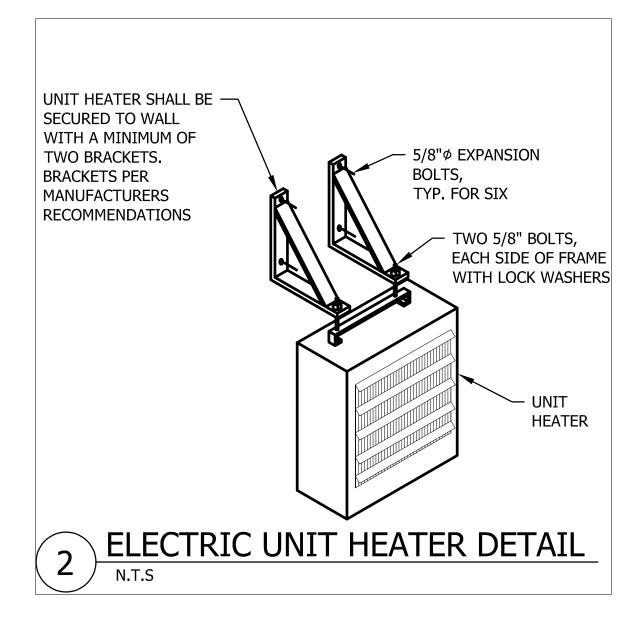
FAN	5													
FAN			MANUFACTURER		TOTAL STATIC	FAN	OUTLET				ELECT	RICAL		
NO.	LOCATION	SERVES	MODEL NO	CFM	PRESS		VELOCITY	ARRANGE	DRIVE	HP	VOLTS	PH	REMARKS	UNITI
SF-1	UV ROOM	UV ROOM	GREENHECK SS1-12-432-G	450	0.25	1300	400	IN LINE	DIRECT	1/12	115	1	NOTE 1	SF-1
NOTES														

NOTES: 1. PROVIDE WALL MOUNTED SPEED CONTROLLER, WEATHERHOOD KIT, WALL COLLAR WITH GUARD, AND PROPELLER GUARD

UNIT NO.	MANUFACTURER MODEL NO	FLOW PATTERN	MOUNTING TYPE	MATERIAL	FINISH	ACCESSORY	NOTE
A	TITUS 300FS	DOUBLE DEFLECTION	DUCT	ALUMINUM	WHITE	-	1







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	DRAWN DESIGNE CHECKE APPROV ?ROJ. NC	SURVEY			IO REV	CITY OF HARMONY, MINNESOTA	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY UCENSED ENGINEER INNIDER THE I AWA CO THE 76 AMININECTA	
	D ′ED				ISION	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	PRINT NAME: JEROMY L. REED	
BER					D/	HVAC DETAILS AND SCHEDLILES	SIGNATURE:	733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402
	CMS CMS JLR JLR				<b></b> ▲TE		DATE: DECEMBER 9, 2024 LIC. NO. 53856	www.stantec.com

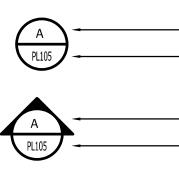
## ABBREVIATIONS

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	<u> </u>		
A/E	ARCHITECT / ENGINEER	KW	KILOWATT
AD	AREA DRAIN	KWHR	KILOWATT-HOUR
AFF	ABOVE FINISH FLOOR		
AFG	ABOVE FINISH GRADE	L/S	LITER PER SECOND
AG	AIR GAP	LA LAV	LABORATORY AIR LAVATORY
AP ASD	ACCESS PANEL ADJUSTABLE SPEED DRIVES	LAV LBS/HR	POUNDS PER HOUR
ASHRAE		LCW	LABORATORY COLD WATER
/ OF IT O LE	REFRIGERATION, AIR CONDITIONING	LHW	LABORATORY HOT WATER
	ENGINEERS	LNG	LIQUID NATURAL GAS
ASME	AMERICAN SOCIETY MECHANICAL	LOX	LIQUID OXYGEN
	ENGINEERS	LV	LABORATORY VACUUM
ASPE	AMERICAN SOCIETY PLUMBING	LW	LOW WATER
	ENGINEERS	MAV	MANUAL AIR VENT
BFP	REDUCED PRESSURE BACKFLOW	MBH	1000 BTUH
	PREVENTER	MH	MANHOLE
BHP	BRAKE HORSEPOWER	MSB	MOP SERVICE BASIN
BTU	BRITISH THERMAL UNIT	MV	MEDICAL VACUUM
BTUH	BRITISH THERMAL UNIT PER HOUR	N2	NITROGEN
С	CELSIUS	N20	NITROUS OXIDE
CHW	CIRCULATING HOT WATER	NC	NORMALLY CLOSED
CI	CAST IRON	NG	NATURAL GAS
CO	CLEANOUT	NIC	NOT IN CONTRACT
CW	COLD WATER	NO	
DCW	DOMESTIC COLD WATER	NOM	
DHW	DOMESTIC COLD WATER	NPW	
DN	DOWN	NTS	NOT TO SCALE
DS	DOWNSPOUT	02	OXYGEN
DW	DISHWASHER	OC	ON CENTER
DWG	DRAWING	OD	OUTSIDE DIAMETER
DWH	DOMESTIC WATER HEATER	OFD	OVERFLOW DRAIN
DWR DWS	DRINKING WATER RETURN DRINKING WATER SUPPLY	OR OVFL	OPERATING ROOM
DWS	DRAIN WASTE VENT	OVFL	OVERFLOW
2111		PD	PRESSURE DROP OR DIFFERENCE
EL	ELEVATION	PDI	PLUMBING AND DRAINAGE
EPA	ENVIRONMENTAL PROTECTION		INSTITUTE
EPACT	Agency Energy Policy Act	PG	PRESSURE GAGE
EPACT	ESCUTCHEON	PPM PSI	PARTS PER MILLION POUNDS PER SQUARE INCH
ESH	EMERGENCY SHOWER	PSIA	POUNDS PER SQUARE INCH
ET	EXPANSION TANK	1017	ATMOSPHERE
EWC	ELECTRIC WATER COOLER	PSIG	POUNDS PER SQUARE INCH
EWH	ELECTRIC WATER HEATER		GAUGE
EWS	EYE WASH STATION	PTRV	PRESSURE TEMPERATURE RELIEF
F	FAHRENHEIT	PW	VALVE POTABLE WATER
FCO	FLOOR CLEANOUT	FVV	POTABLE WATER
FD	FLOOR DRAIN	SAN	SANITARY SEWER
FS	FLOOR SINK	SCFM	STANDARD CUBIC FOOT/MINUTE
FS	FLOW SWITCH	SQFT	SQUARE FEET
FU	FIXTURE UNITS	SS ST	STAINLESS STEEL STORAGE TANK
GAL	GALLON	51	STORAGE TANK
GPD	GALLONS PER DAY	TD	TEMPERATURE DIFFERENCE
GPH	GALLONS PER HOUR	TD	TRENCH DRAIN
GPM	GALLONS PER MINUTE	TDH	TOTAL DYNAMIC HEAD
GPR GWH	GAS PRESSURE REGULATOR GAS FIRED WATER HEATER	TEMP	TEMPERATURE
GWIT	GASTINED WATER HEATER	TMV TSTAT	THERMOSTATIC MIXING VALVE THERMOSTAT
H&CW	HOT AND COLD WATER	TYP	TYPICAL
HB	HOSE BIBB		
HD		UPC	UNIFORM PLUMBING CODE
HEX HP	HEAT EXCHANGER HORSEPOWER	V	VENT
HS	HAND SINK	V VAC	VACUUM
HST	HOT WATER STORAGE TANK	VB	VACUUM BREAKER
	(DOMESTIC)	VTR	VENT THROUGH ROOF
HWB	HOT WATER BOILER		MACTE
HWCP	HOT WATER CIRCULATING PUMP	W WC	WASTE WATER CLOSET
HWP	HOT WATER PUMP	WC	WATER CLOSET WALL CLEANOUT
HYD	HYDRANT	WG	WATER GAGE
ICW	INDUSTRIAL COLD WATER	WH	WALL HYDRANT
INV	INVERT	WH	WATER HEATER
IPC	INTERNATIONAL PLUMBING CODE	WHA	WATER HAMMER ARRESTER
IRW	IRRIGATION WATER	WL	WATER LINE
	INDIRECT WASTE	WM WPD	WATER METER WATER PRESSURE DROP
IWH IWR	INSTANTANEOUS WATER HEATER INDUSTRIAL WATER RETURN	WPD WS	WATER PRESSURE DROP WASTE STACK
IWR	INDUSTRIAL WATER REFORM		
-		YCO	YARD CLEANOUT

### DRAWING SYMBOLS



\_\_\_ DETAIL LETTER DRAWING NUMBER WHERE DRAWN

\_\_\_\_ SECTION LETTER \_\_\_ DRAWING NUMBER WHERE SHOWN

## PLUMBING PIPING SYMBOLS

	DOMESTIC COLD WATER, COLD WATER
	DOMESTIC HOT WATER, HOT WATER
	SANITARY VENT
	SANITARY WASTE
	SANITARY WASTE (BELOW PLAN LEVEL)
T	TEMPERED WATER

# GENERAL PIPING SYMBOLS

	DIRECTION OF PIPE PITCH (DOWN)
<b>&gt;</b>	DIRECTION OF FLOW
——————————————————————————————————————	ANCHOR
<b>→</b>	REDUCER OR INCREASER
<b>N</b>	ECCENTRIC REDUCER
<b>U</b>	TOP CONNECTION, 45° OR 90°
<b>¦</b>	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
<b>T</b>	CAPPED OUTLET
<b>&gt;</b>	RISE OR DROP IN PIPE
	UNION
o	PIPE UP
C	PIPE DOWN
— <del>ĶI</del> —	STRAINER
<b>b</b>	THERMOMETER
Ø	PRESSURE GAGE

# VALVE SYMBOLS

GATE VALVE

CHECK VALVE

BALL VALVE

PRESSURE RELIEF VALVE

— M—	
<u>—М-</u> С	
⊼ 	
-	

GATE VALVE WITH 3/4 " HOSE ADAPTER

### GENERAL NOTES:

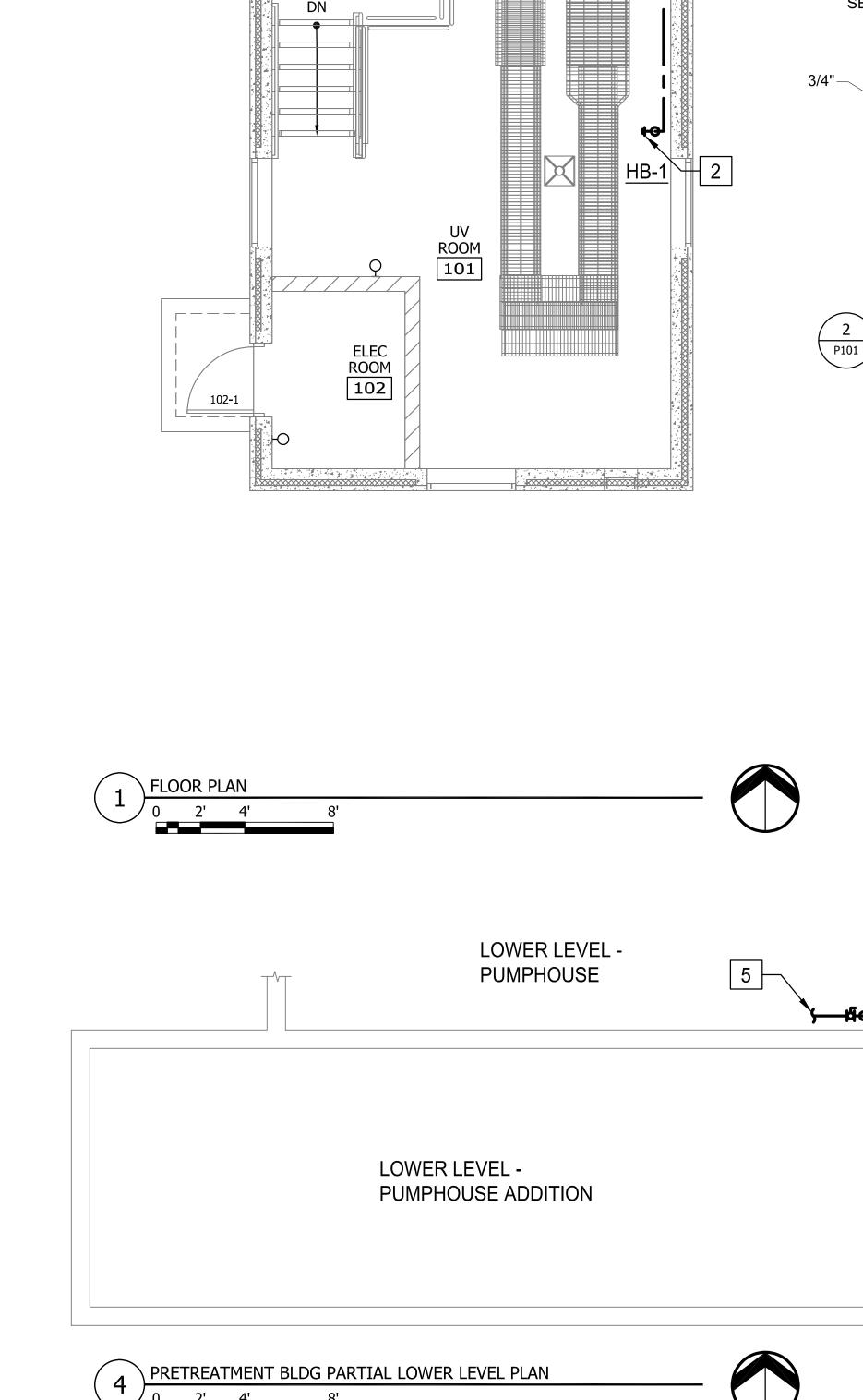
- 1. SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- 2. INSTALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, APPLICABLE CODES AND REGULATIONS.
- 3. COORDINATE CONSTRUCTION OF WORK WITH OTHER TRADES.
- 4. PIPE OR DUCT UP AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER.
- 5. MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS IS PROHIBITED.
- 6. FIRE STOP OPENINGS IN FIRE WALLS AT DUCTWORK, PIPING AND CONDUIT PENETRATIONS.
- 7. CAULK OPENINGS IN NON-RATED WALLS AT DUCTWORK, PIPING, AND CONDUIT PENETRATIONS.
- 8. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING AND EQUIPMENT INSTALLATION.

### PLUMBING NOTES:

- 1. REFER TO P50x FOR WATER PIPING DIAGRAM.
- 2. REFER TO P50x FOR WASTE AND VENT DIAGRAM.

			733 Marquette Avenue, Suite 1000 Minneapolis, MN 55402	www.stantec.com
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT	WAS FREFARED BT ME OK UNDER MT DIRECT SUPER VISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA	PRINT NAME: JEROMY L. REED	SIGNATURE:	DATE: DECEMBER 9, 2024 LIC. NO. 53856
	CITY OF HARMONY, MINNESOTA	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	I EGEND SYMBOLS ARREVIATIONS	
NO	REVIS BID RE BID ISS	EVIEW	D/ 5/19/2 1/21/2	
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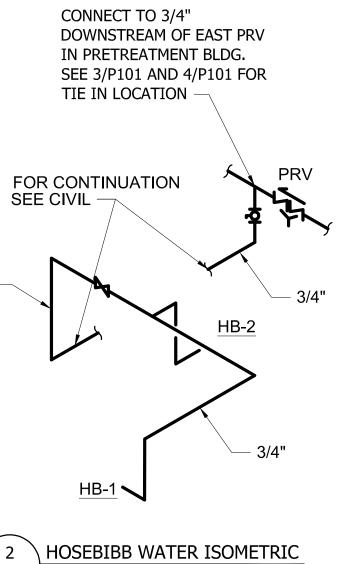
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P101 NO SCALE

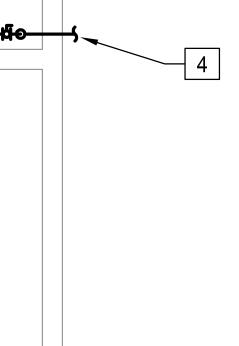
NEW CW PIPE ENTERS PRETREATMENT BUILDING FROM EAST WALL

> 3 PRETREATMENT LOWER LEVEL P101 NO SCALE

 TIE INTO CW PIPE AT THIS LOCATION ALONG THE SOUTH WALL.

# PLUMBING FIXTURE SCHEDUL

NO	TYPE	WASTE	VENT	C
HB-1	INTERIOR HOSEBIBB	-	-	3/4
HB-2	EXTERIOR HOSEBIBB	-	-	3/4



# **KEY NOTES**

	1.	
	2.	
[	3.	
[	4.	
[	5.	

1. 3/4" CW LINE CONNECT TO ADJACENT BUILDING WATER LINE DOWNSTREAM OF EXISTING RPZ.

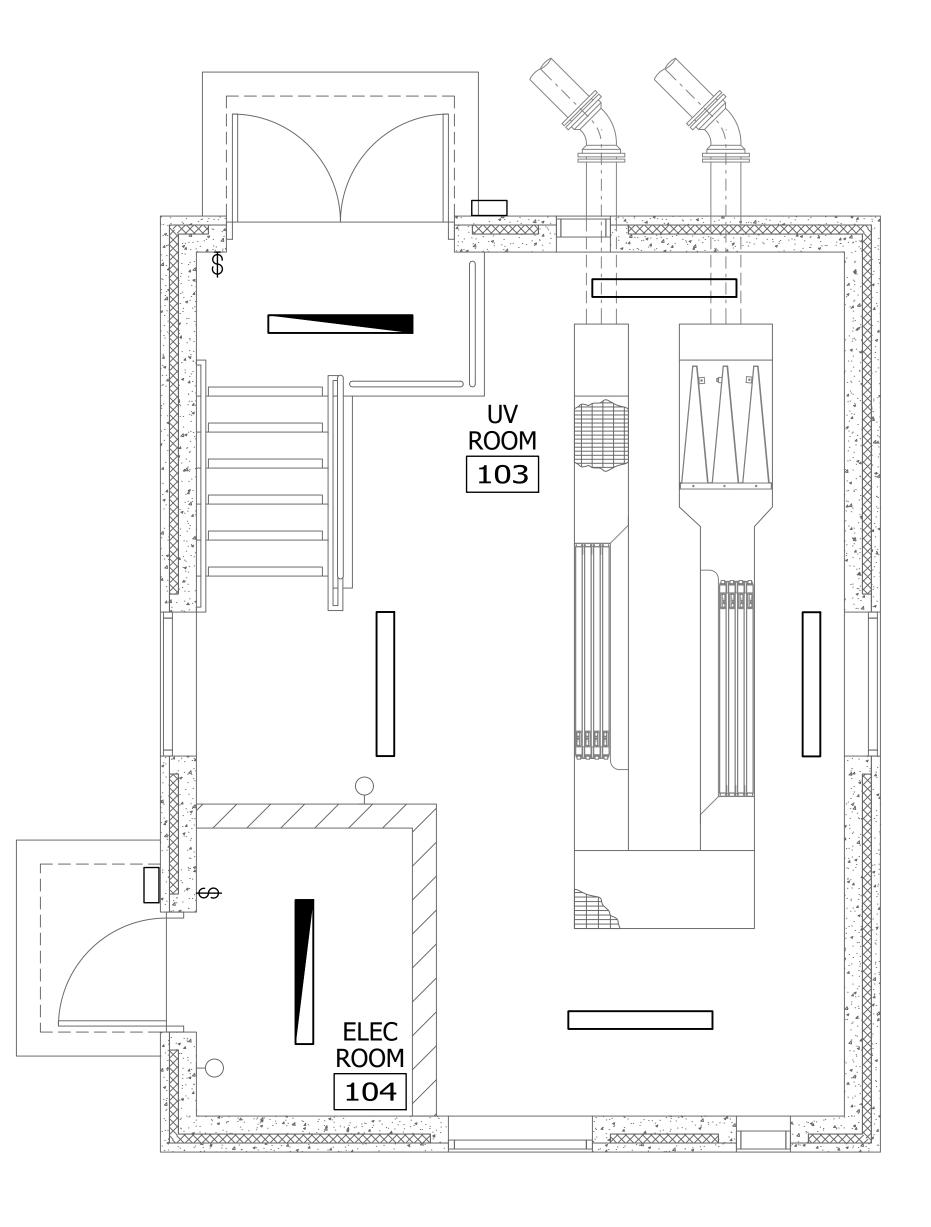
- 3/4" CW TO HB-1. 3/4" CW TO HB-2.
- 3/4" CW INTO EXISTING PRETREATMENT BUILDING
- TIE INTO EXISTING CW PIPE AT THE LOCATION SHOWN ON 3/P101.

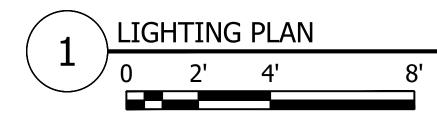
# **GENERAL NOTES**

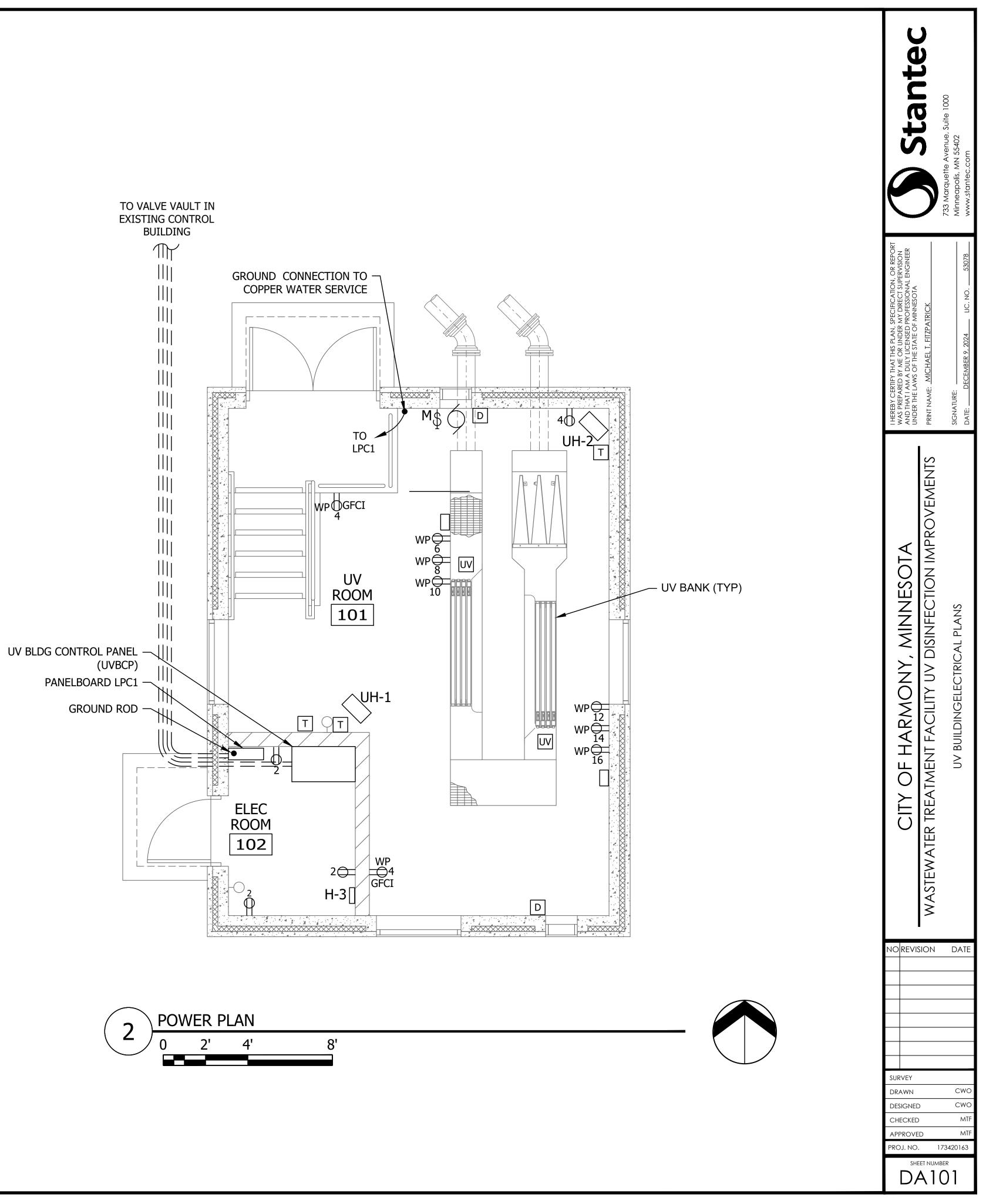
- 1. FOR DOMESTIC WATER ISOMETRIC SEE 2/P101.
- 2. UV ROOM FLOOR SLOPES TO DRAIN INTO UV CHANNEL
- 3. PLACARD HOSE BIBBS AS "NON-POTABLE WATER".

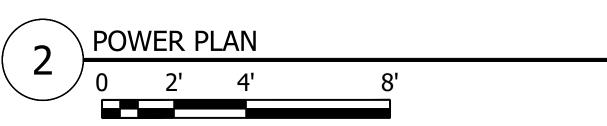
E			
CW	HW	TW	REMARKS
1 1	-	-	VACUUM BREAKER
1	-	-	FROST PROOF, VACUUM BREAKER

	A	D	SU		F	N		I HEREBY CERTIFY THAT THIS PLAN. SPECIFICATION. OR REPORT	
SHE	HECKED PPROVE	RAWN ESIGNEE	JRVEY				CITY OF HARMONY, MINNESOTA	WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA	() Stantor
	D					SION	WASTEWATER TREATMENT FACILITY UV DISINFECTION IMPROVEMENTS	PRINT NAME: JEROMY L. REED	
BER	73420			 		D.		SIGNATURE:	733 Marquette Avenue, Suite 1000 Minneanoolis MN 55402
	JLR	CMS CMS JLR		 		ATE		DATE: DECEMBER 9, 2024 IIC. NO. 53856	www.stantec.com











### CITY OF HARMONY CITY COUNCIL

### AGENDA ITEM COVER SHEET

Originating Staff:	Meeting Date:	Agenda Item No.		
Alissa Stelpflug	February 11, 2025	February 11, 2025 5f		
Agenda Section:	Item:			
New Business	Liquor License Renewal – Kwik Trip			

#### BACKGROUND:

Kwik Trip Liquor License renewal documents haven't been received yet. Last year they came in February.

#### ATTACHMENTS:

#### COUNCIL ACTION REQUESTED:

Approve Kwik Trip Liquor License renewal with the condition that all required documents are submitted to the City of Harmony by Kwik Trip.



# **City Of Harmony**

### Monthly Council Report

Report for the Month of January 2025

- 1.) Completed DMR no limit exceedances.
- 2.) Completed rounds, checks and process control.
- 3.) Conducted MLSS checks.
- 4.) Checked biological activity under microscope.
- 5.) Covered rounds for Corey on weekend.
- 6.) Reviewed Harmony MPCA pre inspection report and made corrections.
- 7.) Spoke with Carolle Ternus regarding Jan 16<sup>th</sup> MPCA inspection WWTP.
- 8.) Met with the city regarding Operations.
- 9.) Met with Corey regarding coverages while he was out.
- 10.) Conducted rounds and checks as required while Corey was out.
- 11.) Attended 90% meeting regarding the UV project spoke with John Friel.
- 12.) Followed up with questions for Minnesota Energy Resources for UV.
- 13.) Reviewed lab reports.

### MINUTES HARMONY ECONOMIC DEVELOPMENT AUTHORITY Regular & Annual Meeting

February 6, 2025 7:30 AM Community Center Council Room

Present: Michael Himlie, Kerry Kingsley, Stuart Morem, Kyle Scheevel, Greg Schieber

Also Present: Alissa Stelpflug/Administrator, Lorena Reichert, Erica Thilges, Amy Bishop, and Allen Dahl

The regular and annual meetings were called to order at 7:34 AM by Kerry Kingsley.

### **Election of Officers**

The board discussed and considered nominations to select officers for 2025. Motion by Himlie, second by Schieber to cast a unanimous ballot to elect Kerry Kingsley as President, Stuart Morem as Vice President, Michael Himlie as Treasurer, and Greg Schieber as Secretary. Motion carried unanimously.

#### **Committee Appointments**

Kinglsey appointed Scheevel and Morem to the loan committee and Schieber and Himlie to the bike trail committee.

#### Annual Report

Reichert updated the board that she is compiling the information for the annual report and will present it at the next regularly scheduled meeting.

#### Annual Program Review

The board briefly discussed the city's business subsidy policy and each established assistance program offered by the board. Kingsley requested that Reichert will discuss these policies at the next regularly scheduled meeting to go into detail of past usage of the policies. Motion by Himlie, second by Kingsley to recommend that the city council preliminarily approve the downtown revitalization program for the 2025/26 cycle, dependent upon next year's budget, so that the program can be advertised this year. Motion carried unanimously.

### **Minutes**

Reichert updated the board that they will be able to review the minutes of the January 2, 2025 Regular Meeting and January 6, 2025 Special Meeting at the next regularly scheduled meeting.

### Financial Reports and Claims

The loan portfolio was reviewed. Motion by Michael Himlie, second by Greg Schieber to forgive the remaining loan of David Barrett dba D& K Mfg. because the amount of interest paid has far outweighed the amount that was originally loaned. Motion carried unanimously. Staff will check the

process to cancel. Motion by Schieber, second by Kingsley to approve a full-page ad for the annual visitor guide advertisement, amount of \$390. Motion carried unanimously.

### Industrial Park Potential Land Sale

Niagara Builders is no longer wanting to purchase a certain industrial lot due to additional costs to ready the lot, but is considering a different lot in the industrial park. The board would like potential buyer to provide any updates to his plans involving the new piece of land. The board would also like an update on the number of jobs and taxable value of the project. Stuart Morem, Alissa Stelpflug, and Lorena Reichert will meet with the potential buyer to discuss project updates and then will update the board at the next meeting. Kinglsey requested Reichert provide an updated map of the current available industrial lots at the next meeting.

### 2025 New Home Rebate Renewal

Motion made by Morem, seconded by Scheevel to recommend approval to the city council to continue the rehab rebate program as it is and then to discuss this more in detail for next year in September 2025. Motion carried unanimously.

### Semi Annual Development Agreement Compliance Review Reichert updated the board that this will be discussed at March meeting.

### Chamber of Commerce Report

Erica Thilges and Amy Bishop were present to give the chamber report. Erica gave several updates on past and upcoming community events, including the chamber's annual meeting last month. Amy Bishop reviewed the 2025 chamber budget, which was approved at the chamber's annual meeting. The numbers from the profit and loss will include in the report at future meetings the actual cash on hand.

### Prospects / Community Update

Reichert updated the board on a potential expansion project that is concerned by added tax burden with an expansion, even with TIF as an option. Reichert informed the board that she submitted the required forms for 3 EDA owned industrial park lots to the county assessor's office to maintain tax exemption on those lots. Question by the board on any movement on the potential Richard Sanitation project. Lorena Reichert will follow up with contacts to update the board at the next meeting.

Hearing no objections, Kingsley adjourned the meeting. The meeting adjourned at 8:43 AM.

The next regular meeting is scheduled for March 6, 2025.

<u>/s/ Lorena Reichert</u> Lorena Reichert Community and Economic Development Specialist lorena.reichert@cedausa.com February 6, 2025





Office of the FILLMORE COUNTY SHERIFF

JOHN DEGEORGE Sheriff LANCE BOYUM Chief Deputy 901 Houston St. NW PRESTON, MN 55965-1080

Tel: 507-765-3874 Emergency Dial 911 Fax: 507-765-2703

Date: February 5, 2025

- To: Harmony City Council
- From: Leif Erickson, Deputy Sheriff John DeGeorge, Fillmore County Sheriff
- Re: January 2025 Monthly Council Report

#### Calls for Service / Patrol Activity:

Reported Date	Title	Street Name
2025-01-02	Mental Health	1st Ave
2025-01-07	Animal Complaint	2ND AVE
2025-01-07	Alarm	MAIN AVE
2025-01-07	911 Hang Up	MAIN AVE
2025-01-07	MAARC	MAIN AVE
2025-01-08	Parking Complaint	1st Ave
2025-01-10	Civil	3RD AVE
2025-01-15	Information	1st AVE
2025-01-16	Mental Health	1ST AVE
2025-01-16	Welfare Check	MAIN ST
2025-01-18	Ambulance	1ST AVE
2025-01-18	Domestic Disturbance	1st Ave
2025-01-19	911 Hang Up	MAIN AVE
2025-01-21	Assist	2ND AVE
2025-01-23	Alarm	3rd Ave
2025-01-23	Assist	1ST AVE
2025-01-23	Mental Health	1ST AVE
2025-01-27	911 Hang Up	1st AVE
2025-01-29	Ambulance	1st Ave





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Tel: 507-765-3874 Emergency Dial 911 Fax: 507-765-2703

2025-01-29	Traffic	MAIN AVE
2025-01-29	Welfare Fraud	1ST AE
2025-01-30	Assist	SECOND AVE
2025-01-30	Ambulance	MAIN AVE
2025-01-30	Information	1st AVE
2025-01-31	Mental Health	Main Ave
2025-01-31	Information	MAIN AVE