ADDENDUM NO. 4 Date: March 6, 2015
TO THE CONTRACT DOCUMENTS Project No.: 480770
for the construction of the
NAMPA WWTP PHASE I UPGRADES:
GROUP A—LIQUID STREAM UPGRADES

To All Planholders and/or Prospective Bidders:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of the Nampa WWTP Phase I Upgrades: Group A—Liquid Stream Upgrades, dated December 2014, as fully and completely as if the same were fully set forth therein:

A. PART 3, SPECIFICATIONS

1. Section 02 41 00, Demolition, subparagraph 3.06.B.3: CHANGE to "Trickling Filter No. 2 mechanism, only the bearings and the seals from the center support structure as shown in the details on Drawing 321-M-REF-1."

2. Section 26 42 01, Pipe Bonding (added by Addendum No. 2), subparagraph 1.01.A.5: ADD subparagraphs a. and b. as follows:

   a. NSF/ANSI 61, Drinking Water System Components – Health-Effects.
   b. NSF/ANSI 372, Drinking Water System Components – Lead Content."

3. Section 40 27 00, Process Piping – General, paragraph 3.06.E (added by Addendum No. 2): CHANGE to read "Maintain clearance between potable and non-potable water lines in accordance with ISPWC 405 and SD407."

4. Section 40 27 02, Process Valves and Operators, paragraph 2.05.A: CHANGE "V201" to "V202".

5. Section 40 42 13, Process Piping Insulation: CHANGE the footer from "PROCESS PIPING SPECIALTIES 40 27 01" TO "PROCESS PIPING INSULATION 40 42 13" on the even numbered pages.

6. Section 41 22 23.19, Monorail Hoists[1]: ADD in its entirety.

B. <u>DRAWINGS</u>

1. Drawing 010-G-025: Under the REMARKS column for service Air, Low Pressure, ADD "STEEL PIPE FOR AIR LOW PRESSURE SERVICE SHALL BE UNLINED."

2. Drawing 050-D-108[2]: REPLACE drawing in its entirety.

3. Drawing 050-D-109[3]: REPLACE drawing in its entirety.

4. Drawing 050-D-113: REPLACE Keynote 4 on Drawing 050-D-113 with the following text: “MAINTAIN POWER TO AND CONTROLS TO SECONDARY CLARIFIER NO. 2 DRIVE AND WALKWAY LIGHTS FROM THE ADMIN BUILDING THROUGHOUT CONSTRUCTION. IT IS ANTICIPATED THAT THE CURRENT CIRCUIT WILL BE DISRUPTED BY THE CONSTRUCTION OF AERATION BASIN 3. PROVIDE TEMPORARY WIRING AND WATER PROOF SPLICING AS REQUIRED TO ACHIEVE CONSTRUCTION SEQUENCE. RESTORE EXISTING CIRCUITS TO ORIGINAL FUNCTIONALITY, USING EXISTING CONDUCTORS AND RACEWAYS WHEN POSSIBLE. REPLACE DEMOLISHED CONDUITS AND CONDUCTORS WHERE REQUIRED. PROVIDE WATERPROOF SPLICES IN HANDHOLES WHERE SPLICES ARE REQUIRED. ASSUME SECONDARY CLARIFIER CIRCUITS INCLUDE [1"C-2#12, 1#12G (LIGHTING)], [1"C-3#12,6#14, 1#10G(CLARIFIER)], [1"C SPARE].”

5. Drawing 050-C-103[4]: REPLACE drawing in its entirety.

6. Drawing 050-CY-100: CHANGE “15" TOF” to “16" TOF” in the center of the Drawing.

7. Drawing 050-CY-109: CHANGE “15" TOF” to “16" TOF” in the center of the Drawing.

8. Drawing 050-CY-110: REVISE Keynote “12” south of the Blower Building to read Keynote “6”.

9. Drawing 050-CY-401: CHANGE “15" TOF” to “16" TOF” for the new TOF line at four locations on this drawing. The existing TOF remains 15".

10. Drawing 050-E-103[5]: REPLACE Drawing 050-E-103 with the attached drawing.

11. Drawing 050-E-108[6]: REPLACE drawing in its entirety.

12. Drawing 050-E-109[7]: REPLACE drawing in its entirety.

13. Drawing 050-E-602:

    a. ADD the following circuit to DB-1P: CIRCUIT [P16], FROM 4488ABHST2, TO: 3115PP12, COMMENTS: 4488ABHST2 POWER.

    b. ADD the following circuit to DB-3P: CIRCUIT [P16], FROM 4488ABHST2, TO: 3115PP12, COMMENTS: 4488ABHST2 POWER.

c. ADD the following circuit to DB-29P: CIRCUIT [P16], FROM 4488ABHST2, TO: 3115PP12, COMMENTS: 4488ABHST2 POWER.

14. Drawing 050-E-604:

a. ADD the following circuit to DB-1P: CIRCUIT {P16}, FROM 4488ABHST2, TO: 3115PP12, COMMENTS: 4488ABHST2 POWER.

b. ADD the following circuit to DB-3P: CIRCUIT [P16], FROM 4488ABHST2, TO: 3115PP12, COMMENTS: 4488ABHST2 POWER.

c. ADD the following circuit to DB-29P: CIRCUIT [P16}, FROM 4488ABHST2, TO: 3115PP12, COMMENTS: 4488ABHST2 POWER.

15. Drawing 050-E-610, Handhole Schedule:

a. REVISE model numbers of all handholes with dimensions 42"Lx64"Wx38"D to “644-LA”.

b. ADD two rows to the bottom of Handhole Schedule as shown below:

Name	Dimensions	Manufacturer
HH-16A	UTILITY VAULT 444-LA	42"LX42"WX38"D
HH-16P	UTILITY VAULT 444-LA	42"LX42"WX38"D

16. Drawing 371-M-111: CHANGE “15" TOF” to “16" TOF” on the left side of the Drawing.

17. Drawing 371-M-301, Sections A, B and D: CHANGE “15" TOF” to “16" TOF”.

18. Drawing 381-E-601: ADD 20 amp, three-pole circuit breaker to distribution panel 3115PP12 to provide power to dewatering pump hoist. Load served information shall be “4488ABHST2”. New breaker shall be placed in poles 31, 33, and 35.

19. Drawing 423-S-111[8]: REPLACE drawing in its entirety.

20. Drawing 423-S-301[9]: REPLACE drawing in its entirety

21. Drawing 423-S-401[10]: REPLACE drawing in its entirety.

22. Drawing 423-E-111:

    a. ADD a connection point at coordinates 5C across the walkway from 4487DWCS3.

    b. LABEL the connection point 4488ABHST2.

    c. ADD a disconnect symbol adjacent to 4488ABHST2.

23. Drawing 423-E-510:

    a. PROVIDE a new cable block diagram.

    b. LABEL diagram "Dewatering Sump Pump Hoist". Diagram shall show a connection point, labeled 4488ABHST2, circuited to a disconnect then on to panelboard 3115PP12. The circuit line shall have a call-out labeled "[P16]" indicating the circuit size. The diagram shall look similar to cable block diagram labeled "Effluent Box Actuated Gate".

C. DESIGN DETAILS

1. Design Detail 3212-212[11]: ADD in its entirety.

D. OTHER INFORMATION

1. Project Site Visit and Tour Documentation[12]: A Project site visit and tour was held March 4, 2015. REFERENCE attached documentation from the meeting for the use of the bidders.

2. Bidders' Questions/Engineer Responses[13]: REFERENCE attached list of Bidders' questions (written) and the associated response form the Engineer.

All Bidders shall acknowledge receipt and acceptance of this addendum in the Bid Form or by submitting the Addendum with the bid package. Bid Forms submitted without acknowledgment or without this Addendum will be considered in nonconformance.

CH2M HILL

Gregg Vail Thompson

Gregg Thompson, P.E.

END OF ADDENDUM

[1] Section 41 22 23.19, Monorail Hoists
[2] Drawing 050-D-108
[3] Drawing 050-D-109
[4] Drawing 050-C-103
[5] Drawing 050-E-103
[6] Drawing 050-E-108
[7] Drawing 050-E-109
[8] Drawing 423-S-111
[9] Drawing 423-S-301
[10] Drawing 423-S-401
[11] Design Detail 3212-212
[12] Project Site Visit and Tour Documentation
[13] Bidders' Questions/Engineer Responses

SECTION 41 22 23.19
MONORAIL HOISTS

PART 1 GENERAL

1.01 REFERENCES

A. The following is a list of standards which may be referenced in this section:

1. American National Standards Institute (ANSI): MH27.1, Underhung Cranes and Monorail Systems.
2. American Society of Mechanical Engineers (ASME):
   a. B30.10, Hooks.
   b. B30.11, Monorails and Underhung Cranes.
   c. HST 1M, Performance Standard for Electric Chain Hoists.
   d. HST 2M, Performance Standard for Hand Chain Manually Operated Chain Hoists.
   e. HST 4M, Performance Standard for Overhead Electric Wire Rope Hoists.
3. National Electrical Manufacturer's Association (NEMA):
   a. MG 1, Motors and Generators.
   b. 250, Enclosures for Electrical Equipment (1,000 volts maximum).
4. National Fire Protection Association (NFPA): 70, National Electrical Code (NEC).
5. Occupational Safety and Health Act (OSHA).
6. Underwriters Laboratory (UL): 674, Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations.

1.02 DESIGN REQUIREMENTS

A. Monorail System: Specifications for Underhung Cranes and Monorail Systems, ANSI MH27.1 and ASME B30.11.

B. Hoist: ASME B30.11, Hoist Manufacturers' Institute.

C. Trolley: ANSI MH27.1.

D. Wire Rope Hoist Service Class: ASME HST 4M.

E. Chain Hoist Service Class: ASME HST 1M.

F. Hook: ASME 30.10.

G. Stress and Safety Factors: ANSI MH27.1 and ASME B30.11. Properly select materials of construction for stresses to which subjected.

H. Safety of Operation, Accessibility, Interchangeability, and Durability of Parts: ASME B30.11 and OSHA requirements.

I. Provide system, equipment, and components, including supports and anchorages, designed in accordance with Section 01 61 00, Common Product Requirements, and Drawing 010-G-013.

1.03 SUBMITTALS

A. Action Submittals:

1. Shop Drawings:
   a. Make, model, weight, and horsepower of each equipment assembly.
   b. Complete catalog information, descriptive literature, materials of construction, and specifications on hoist, wheels, gears and bearing, trolley drive system, hoist motor and assemblies, hook, brakes, starting system, variable speed drive system, conductors (bus bar, festoon, cable reel), controls, remote control system, and accessories.
   c. Detail Shop Drawings of monorail track, brackets, hangers, and their attachments to building structural steel.
   d. Power and control wiring diagrams, including terminals and numbers.
   e. Motor nameplate data in accordance with NEMA MG 1, and include any motor modifications.
   f. Factory finish system.

B. Informational Submittals:

1. Special shipping, storage and protection, and handling instructions.
2. Manufacturer's printed installation instructions.
3. Factory Functional Test Report.
4. Suggested spare parts list to maintain the equipment in service for a period of 5 years. Include a list of special tools required for checking, testing, parts replacement, and maintenance with current price information.
5. List special tools, materials, and supplies furnished with equipment for use prior to and during startup and for future maintenance.
6. Operation and Maintenance Data: As specified in Section 01 78 23, Operation and Maintenance Data.
7. Manufacturer's Certificate of Proper Installation, in accordance with Section 01 43 33, Manufacturers' Field Services.

1.04 ENVIRONMENTAL REQUIREMENTS

A. Temperature: Maximum 110 degrees F; minimum minus 10 degrees F.

B. Humidity: 90 percent.

C. Atmosphere: Mildly corrosive.

D. Location: Outdoors.

PART 2 PRODUCTS

2.01 GENERAL

A. Hoist and trolley manufacturer to coordinate equipment requirements with steel structures, drive motor, hoisting cable or chain, hook, track, stops, and electrical equipment controls.

2.02 SUPPLEMENTS

A. See supplements to this section for additional requirements.

2.03 TROLLEY

A. Frame: Welded steel, cast steel, or ductile iron construction, or a combination thereof. Construct to control deflection of trolley assembly while transmitting the carrying load to running surface.

B. Drive shall consist of chain sprocket mounted on shaft. Furnish chain to within 2 feet of operating floor level with trolley at end of beam travel. Drive shaft shall drive the trolley wheels directly

C. Furnish roller assembly stabilizers on single-girder trolley units to prevent tipping during load pickup.

D. Wheels: Rolled or forged steel, accurately machined and ground to receive inner bearing races. Furnish fixed alloy steel axles. Minimum tread hardness 210 Brinell.

E. Drive Gears: Helical, spur or herringbone type, rolled or cast steel, with machine cut teeth.

F. Bearings: Combination radial and thrust type, double row, angular contact ball bearings or single-row tapered roller bearings. Bearings prelubricated and sealed, or fitted for pressure lubrication. Locate pressure lubrication fittings for accessibility during maintenance.

G. Brakes: Suitable for service class and rated torque capacities as specified in ASME B30.11.

2.04 HOIST

A. Hoisting Machinery: Load chain wheel driven through gear reductions, an electric motor, load blocks, sheaves, chain, hook and hoist braking.

B. Chain: Non-jamming, Type 316 stainless steel type. Chain hoists shall have chain storage adequate for storing full lift length of chain and shall be designed and located to avoid interference while hoisting.

C. Hook: Construct with sufficient ductility to open noticeably before hook failure, equipped with safety latch, free to rotate 360 degrees with rated load and positively held in place with locknuts, collars or other devices.

D. Brakes: In accordance with ASME HST 1M and ASME HST 2M, adjustable to compensate for wear, spring set, electric release load brake system, which releases load when drive motor is energized and holds load when the drive motor is de-energized.

2.05 ELECTRICAL

A. Furnish electrical equipment including motors, motor starters, pendant control, control systems, wire, and conduit. Control and electrical cabinets shall be NEMA 250, Type 4 enclosures.

B. Electrical: In accordance with NFPA 70, NEC Article 610.

C. Monorail conductor voltage drops from monorail track supply taps shall permit the hoist and trolley motors to operate within voltage tolerances of plus or minus 10 percent, when building supply voltage is at plus or minus 5 percent of design voltage.

D. Cable Conductors: Provide outdoor rated flexible cable from fixed power conduit or disconnect switch to hoist with sufficient free length to allow the hoist to be moved from the dewatering pump in Aeration Basin 3 to a dewatering pump in future Aeration Basin 4. Arrange cable so that hoist can be moved from one aeration basin to the other without the cable catching or kinking.

E. Grounding: External in accordance with NFPA 70, NEC Article 250.

2.06 CONTROLS

A. Hoist and Trolley: Pendant control having momentary contact pushbuttons with a device which will disconnect motors from line on failure of power. Device shall not permit any motor to be restarted until controller handle is brought to the OFF position, or a reset switch or button is operated. Furnish with undervoltage protection as a function of each motor controller, or by magnetic main line contactor.

B. Pushbuttons: Fully magnetic, plain reversing type, housed in NEMA 250, Type 4 enclosure, with contactors of sufficient size and quantity for starting, accelerating, reversing, and stopping duty for specified hoist service class.

C. Pendant Pushbutton Control Stations: Heavy-duty, oiltight, suspended from hoist, with control transformers to supply 120V ac power to pushbutton control station. Pushbutton enclosure supported with chain or wire rope. Control wire cable attached to support chain or wire rope at not more than 6-foot intervals. Furnish control station buttons for control of hoist and trolley ON/OFF main line contactor power switch which removes all power from control station.

2.07 ACCESSORIES

A. Equipment Identification Plate: 16-gauge stainless steel with 1/4-inch die-stamped equipment tag number securely mounted in a readily visible location.

B. Lifting Lugs: Equipment weighing over 100 pounds.

2.08 FACTORY FINISHING

A. Prepare and prime coat in accordance with manufacturer’s optional epoxy coating for outdoor service in a mildly corrosive environment.

2.09 SOURCE QUALITY CONTROL

A. Factory Inspections: Inspect control panels and equipment for required construction, electrical connection, and intended function.

B. Factory Tests and Adjustments: No-load run test all equipment furnished.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with manufacturer’s printed instructions.

B. Provide lubrication and lubrication fittings.

3.02 FIELD QUALITY CONTROL

A. Functional Tests: Conduct on each hoist and monorail system.

1. Alignment: Test complete assemblies for proper alignment and connection, and quiet operation.

B. Performance Test:

1. Conduct on each hoist and monorail system.
2. Load tests in compliance with OSHA, ASME B30.11, and ANSI MH27.1

3.03 MANUFACTURER'S SERVICES

A. Manufacturer's Representative: Present at Site or classroom designated by Owner or Engineer, for minimum person-days listed below, travel time excluded:

1. 1/2 person-day for functional testing and completion of Manufacturer's Certificate of Proper Installation.

B. See Section 01 43 33, Manufacturers' Field Services, and Section 01 75 00, Testing, Equipment Startup and Commissioning.

3.04 SUPPLEMENTS

A. The supplements listed below, following "End of Section," are a part of this Specification.

1. Hoist/Monorail Data Sheet.
2. Hoist/Monorail Dimension Sheet.

END OF SECTION

HOIST/MONORAIL DATA SHEET

Project: Nampa WWTP Phase 1 Project Group A
Manufacturer: Coffing
Owner: City of Nampa
Model No.:ECGT-2016
Service: Dewatering pump hoisting over an aeration basin
Number of Units: 1
Equip. Tag Number(s): AB 3-4 Dewatering Sump Pump Hoist 4488ABHST2
Rev/Date/By: _____/_____/_____

GENERAL REQUIREMENTS

Equipment Capacity: 1 tons
Method of Control: 2-speed
Location of Control: Pendant
Equipment Location:
☐Indoors ☒Outdoors

Factory Testing:
☒Required ☐Not Required
Field Testing: ☐Not required
☒Required, functional and performance

Power Supply:
Voltage 460
Phase 3
Frequency 60

HOIST

Type:
☒Electric, Chain ☐Hand Operated, Chain

Service Class (ANSI):
☒H1 (standby) ☐H2 (light) ☐H3 (standard)
☐H4 (heavy) ☐H5 (severe)

Two Speed (fpm): 5 and 15approximately___
☒Constant Speed ☐Two Speed ☐Variable Speed

Motor hp: 3 or less

___

TROLLEY

Type:
☐Top Running ☒Underhung

Service Class (ANSI):
☒A1 (standby) ☐A2 (infrequent) ☐B (light)
☐C (moderate) ☐D (heavy)

Speed (fpm): _____ to _____
☐Constant Speed ☐Variable Speed ☐Hand Operated

Motor hp: Chain operated

Electric Conductors:
☐Bus Bar ☐Festoon ☒Free hanging with sufficient slack for hoist travel
☐Cable Reel

SPECIAL REQUIREMENTS

Accessories:
☐Central Lubrication System
☐OSHA operating and safety devices

Remote Controls:
☐Infrared, line-of-sight
☐Frequency modulated (FM)
Manufacturer: _____
☐Extended Grease Fittings

Special Electrical Requirements:
_____

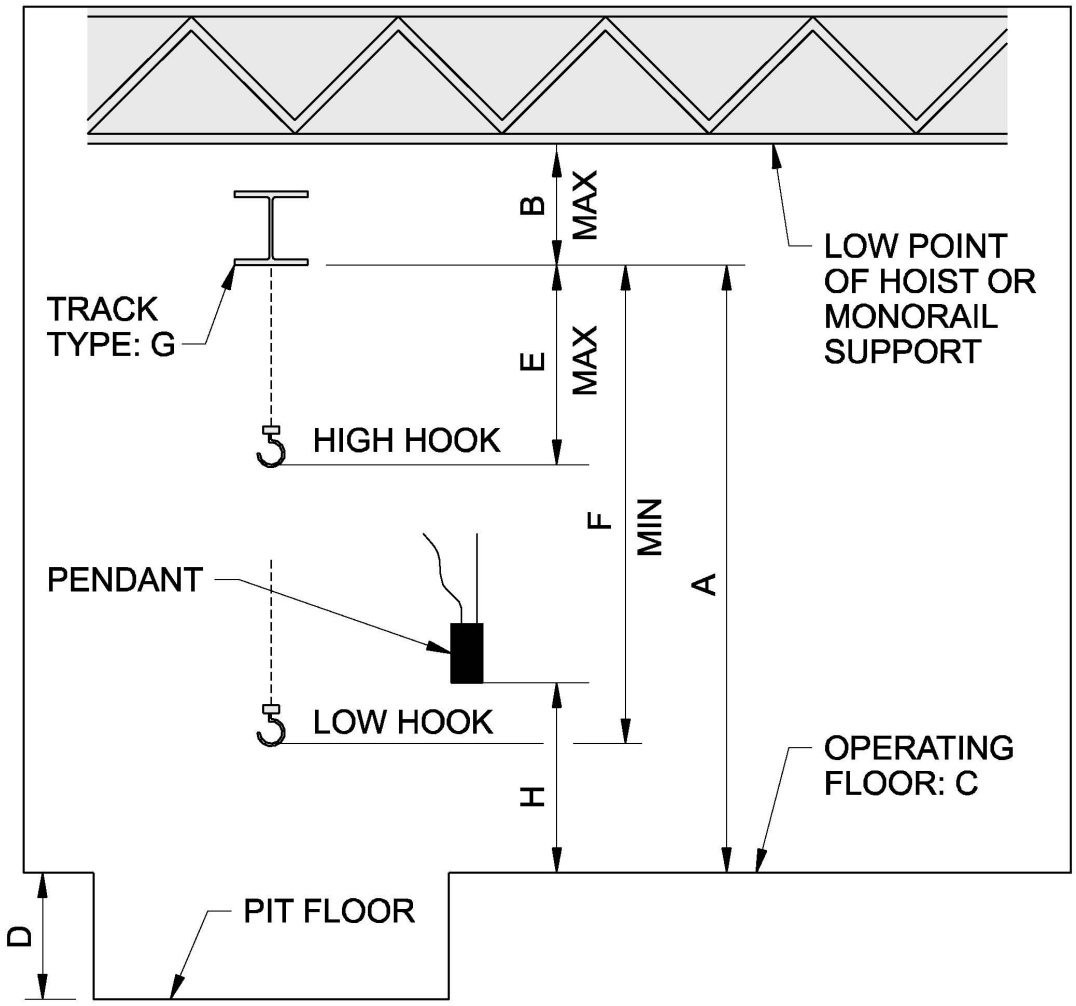
See Hoist/Monorail Dimension Sheet for clearances, lift distances, and details.

HOIST/MONORAIL DIMENSION SHEET
Building Clearances for Monorail Cranes

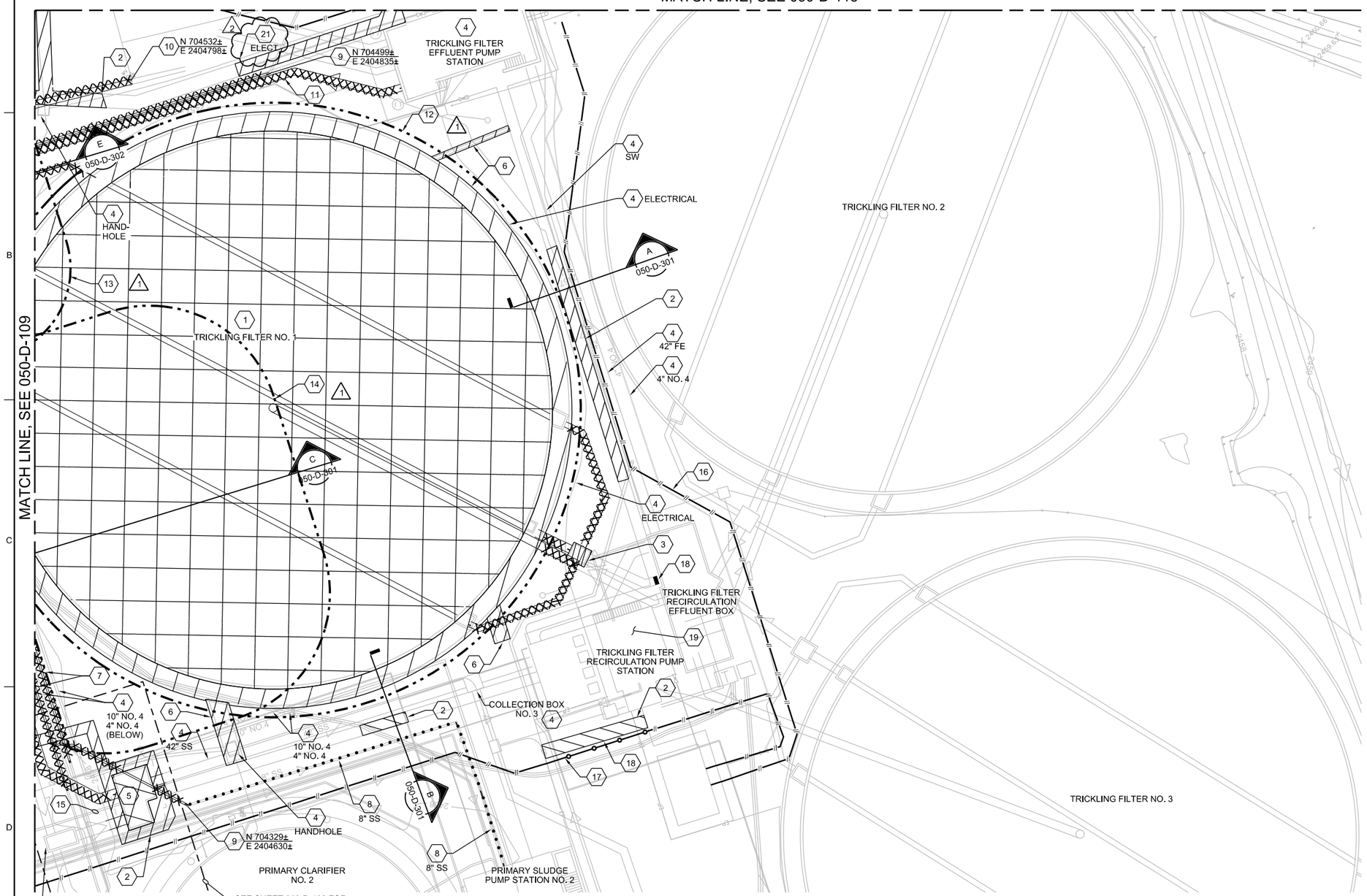
Project: Nampa WWTP Phase 1 Project Group A

Owner: City of Nampa

Equipment Tag Number(s): AB 3-4 Dewatering Sump Pump Hoist 4488ABHST2



A: 11’-0”	D: 21 feet	G: See Drawings
B: 1’-0”	E: 2’-6”	H: 0 feet
C: Elevation 2463.3	F: 31 feet	

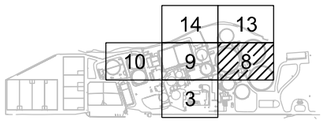


SHEET KEYNOTES

1. DEMOLISH TRICKLING FILTER NO. 1. REFER TO RECORD DRAWINGS FOR MORE INFORMATION INCLUDING, BUT NOT LIMITED TO, DEPTH. SEE SPECIFICATIONS FOR SALVAGE INFORMATION.
2. SAWCUT AND DEMOLISH CONCRETE SIDEWALK.
3. DEMOLISH CONVEYANCE STRUCTURE/CONCRETE VAULT. CAP AND ABANDON PIPES IN PLACE.
4. RETAIN AND PROTECT.
5. DEMOLISH PRIMARY EFFLUENT SPLITTER BOX CONCRETE STRUCTURE INCLUDING INTERNAL PIPING AND VALVES. BYPASS PER 050-CY-108.
6. DEMOLISH CONCRETE RIBBON CURB. REMOVE AND STOCKPILE GRAVEL SURFACE TREATMENT FOR REUSE.
7. DEMOLISH 8" SS PIPE.
8. ABANDON IN PLACE.
9. DEMOLISH 8" SS PIPE TO FITTING SHOWN AND PLUG, FIELD LOCATE.
10. DEMOLISH NO. 4 WATER SERVICE PER 050-CY-108. REROUTE TO SECONDARY CLARIFIER NO. 2.
11. DEMOLISH 30" FE BETWEEN TRICKLING FILTER EFFLUENT PUMP STATION AND SECONDARY CLARIFIER NO. 1. PLUG AT FITTING NEAREST TRICKLING FILTER EFFLUENT PUMP STATION.
12. APPROXIMATE EXCAVATION LIMITS OF TRICKLING FILTER NO. 1 DEMOLITION.
13. APPROXIMATE LIMITS OF EXCAVATION FOR AERATION BASIN 3 CONSTRUCTION.
14. APPROXIMATE LIMITS OF EXCAVATION FOR PEPS CONSTRUCTION.
15. 8" LINE IS CONNECTED TO A FLEXIBLE HOSE FROM THE SUMP IN THE DIGESTER CONTROL BUILDING. CONTRACTOR TO REROUTE THE HOSE TO FACILITATE THE ABANDONMENT OF THE 8" LINE.
16. SILT FENCE PER BMP-36.
17. STRAW WATTLES PER BMP-35.
18. SAWCUT AND REMOVE ASPHALT PAVEMENT IN ORDER TO PROVIDE ADEQUATE ROOM FOR CONTRACTOR FOR FUTURE INSTALLATION OF ELECTRICAL DUCTBANK PER DETAIL .
19. INSTALL CONCRETE PLUG IN 36" RETURN PIPE FROM TRICKLING FILTER NO. 1 AT EFFLUENT BOX.
20. REMOVE WEIR GATE TO TRICKLING FILTER NO. 1 AT HEAD BOX AND SALVAGE TO OWNER.

2

21. MAINTAIN NETWORK COMMUNICATIONS TO TRICKLING FILTER EFFLUENT PUMP STATION FROM ADMIN BUILDING. IT IS ANTICIPATED THAT THE CURRENT CIRCUIT WILL BE DISRUPTED BY THE CONSTRUCTION OF AERATION BASIN 3. PROVIDE TEMPORARY WIRING AS REQUIRED TO ACHIEVE CONSTRUCTION SEQUENCE. RESTORE EXISTING CIRCUIT TO ORIGINAL FUNCTIONALITY, USING EXISTING RACEWAYS WHEN POSSIBLE. REPLACE DEMOLISHED CONDUITS AS REQUIRED. REPLACE EXISTING CABLE WITH A NEW CABLE. CABLE SPLICING IS NOT ACCEPTABLE. NEW NETWORK CABLE SHALL BE [1"C-1TYPE 3].



KEY PLAN

0 20 40 60
Scale in Feet

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

PROFESSIONAL ENGINEER REGISTERED 13300 STATE OF IDAHO AMANDA MARIE SMITH

ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

NO.	DATE	DSGN	DR	CHK	APVD
2	2015/03/03	ADDENDUM 4	TP	AT	APVD
1	2015/02/23	ADDENDUM 3	MR	AT	BY
		REVISION			

A THOMPSON | A TOLMAN | B ROBERTS | G THOMPSON

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

CIVIL
DEMOLITION PLAN
AREA 8

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

DATE	DECEMBER 2014
PROJ	480770
DWG	050-D-108
SHEET	26 of 157

BID DOCUMENTS

FILENAME: 050-01-DEM-D-108.dgn PLOT DATE: 2015\03\03 PLOT TIME: 7:09:37 AM

SHEET KEYNOTES

43. DEMOLISH HANDHOLES HH-C AND HH-D. ALL CIRCUITS TO SECONDARY CLARIFIER 1 AND SECONDARY SLUDGE PUMP STATION SHALL BE REMOVED BACK TO THEIR SOURCE IN THE ADMIN BUILDING. MARK EXISTING ASSOCIATED STARTERS IN ADMIN BUILDING AS "NOT USED", AND LEAVE STARTER UNITS IN MCC. ASSUME 21 DIFFERENT CIRCUITS CONTAINING VARIOUS POWER AND CONTROL CONDUCTORS. DEMOLISH PHONE AND PA CIRCUIT FROM ADMIN BUILDING TO SECONDARY SLUDGE PUMP STATION. SEE KEY NOTE 4 ON DRAWING 050-D-113 FOR SECONDARY CLARIFIER NO. 2 CIRCUITS AND KEYNOTE 21 ON DRAWING 050-E-108 FOR TFEPS NETWORK CIRCUIT. (3)

SHEET KEYNOTES

1. DEMOLISH SECONDARY CLARIFIER NO. 1.
2. DEMOLISH SECONDARY EFFLUENT PUMP STATION.
3. DEMOLISH SECONDARY SLUDGE PUMP STATION.
4. DEMOLISH PARSHALL FLUME NO. 3.
5. SAWCUT AND DEMOLISH CONCRETE SIDEWALK.
6. DEMOLISH 15" TOF AND REROUTE TO PEPS, SEE 050-CY-109.

SHEET KEYNOTES

7. DEMOLISH 48" ML TO APPROXIMATE LOCATION SHOWN.
8. RETAIN AND PROTECT. (2)
9. DEMOLISH NO. 4 WATER SERVICE AND REROUTE TO SECONDARY CLARIFIER NO. 2, SEE 050-CY-113 AND 114.
10. DEMOLISH NO. 4 WATER SERVICE TO EXISTING CONNECTION AND CAP.
11. DEMOLISH 8" SS AND REROUTE TO HEADWORKS, SEE 050-CY-108.
12. DEMOLISH 8" SS.

SHEET KEYNOTES

13. DEMOLISH CONCRETE RIBBON CURB AND GRAVEL SURFACE TREATMENT.
14. SAWCUT AND DEMOLISH ASPHALT PAVEMENT.
15. APPROXIMATE LOCATION OF SOIL BENTONITE WALL, REMOVE AS REQUIRED TO PROVIDE WORK.
16. APPROXIMATE LIMITS OF EXCAVATION FOR TRICKLING FILTER DEMOLITION.
17. DEMOLISH 21" SI.
18. DEMOLISH 42" SI.
19. DEMOLISH 6" NO. 4.
20. DEMOLISH 8" UD TO APPROXIMATE LOCATION SHOWN.
21. DEMOLISH 42" PE BETWEEN PARSHALL FLUME NO. 3 AND PRIMARY EFFLUENT SPLITTER BOX. (1)
22. CONTRACTOR TO PROVIDE TEMPORARY REROUTE OF 10" NO. 4 AS NEEDED FOR EXCAVATION OF AERATION BASIN 3 AND EXCAVATION OF PEPS AND TEMPORARY REROUTE OF 8" NO. 4 FOR EXCAVATION OF PEPS. (2)
23. DEMOLISH 8" UD AND ASSOCIATED STORM WATER PIPING MANHOLES AND CATCH BASINS.
24. DEMOLISH 42" PE. (1)
25. DEMOLISH 30" ALP AND FITTINGS.
26. DEMOLISH ABOVE GRADE 30" ALP AND 90° FITTINGS.
27. DEMOLISH CONCRETE VALLEY GUTTER.
28. APPROXIMATE LIMITS OF EXCAVATION FOR CONSTRUCTION OF AERATION BASIN 3.
29. APPROXIMATE EXCAVATION LIMITS FOR CONSTRUCTION OF PEPS.
30. DEMOLISH LIGHT POLE AND REMOVE CONDUCTORS TO PREVIOUS LIGHT POLE IN CIRCUIT.
31. REMOVE ALL CONDUCTORS TO PUMP STATION BACK TO PRIMARY SLUDGE PUMP STATION NO. 1.
32. DEMOLISH HANDHOLE.
33. REMOVE ALL CONDUCTORS TO SECONDARY SLUDGE PUMP STATION BACK THROUGH HANDHOLES TO ADMINISTRATION BUILDING.
34. REMOVE AND RETAIN FOR REUSE.
35. APPROXIMATE LIMITS OF EXCAVATION FOR SECONDARY CLARIFIER NO. 1 DEMOLITION.
36. PRIOR TO THE DEMOLITION OF THE SECONDARY EFFLUENT PUMP STATION, CONTRACTOR TO CONSTRUCT TEMPORARY UTILITY PUMP STATION AND PIPING TO DIVERT TOF AND UD/SD PIPING TO AERATION BASINS 1 AND 2, SEE 050-CY-109 AND 110, SEE SPECIFICATION SECTION 01 57 28 - TEMPORARY FLOW CONTROL, FOR DESIGN CRITERIA.
37. INLET PROTECTION PER BMP-34.
38. STRAW WATTLES PER BMP-35.
39. SILT FENCE PER BMP-36.
40. PREVENT RUNOFF FROM TRAVELING DOWN RAMP TO DIGESTER.
41. SEE SHEETS 421-D-111, 421-D-112, 421-D-301, 422-D-111, 422-D-112 AND 422-D-301 FOR DETAILED DEMOLITION INFORMATION ON PIPING IMMEDIATELY ADJACENT TO AERATION BASINS 1 AND 2. (2)
42. RETAIN AND PROTECT PUMP STATION. CAP OR PLUG THE WET WELL WALL PENETRATION FOR THE 4-INCH DIAMETER DRAIN LINE FROM AB 1 AND 2 WALKWAY THAT ENTERS PUMP STATION FROM THE SOUTH SIDE AT A DEPTH OF ABOUT 5 FEET.

MATCH LINE, SEE 050-D-114

MATCH LINE, SEE 050-D-110

MATCH LINE, SEE 050-D-108

MATCH LINE, SEE 050-D-103

SEE SHEET 050-D-401 FOR ENLARGED DEMOLITION PLAN

DEWATERING PUMP STATION

8" NO. 4

10" NO. 4

AERATION BASIN 1

AERATION BASIN 2

LIGHT POST, LAMP

STAIRS

N 704610± E 2404509±

N 704641± E 2404439±

N 704596± E 2404513±

N 704592± E 2404510±

N 704662± E 2404389±

N 704507± E 2404675±

TYP

PRIMARY SLUDGE PUMP STATION NO. 1

PRIMARY CLARIFIER NO. 1

PARSHALL FLUME NO. 1

PARSHALL FLUME

8" NO.4 10" NO, 4

PRIMARY CLARIFIER INFLUENT AND EFFLUENT LINES

8" SS TO HEADWORKS

8" SS TO PRIMARY SLUDGE

HH-C

HH-D

SECONDARY DIGESTER NO. 1

PRIMARY DIGESTER NO. 1

OPERATION LAB

050-D-301

050-D-302

14 13 10 9 8 3

KEY PLAN

0 20 40 60

Scale in Feet

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

PROFESSIONAL ENGINEER REGISTERED 13300 STATE OF IDAHO AMANDA MARIE SMITH

ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

NO.	DATE	DSGN	DR	CHK	APVD	REVISION
3	2015/03/03	A THOMPSON	A TOLMAN	B ROBERTS	G THOMPSON	ADDENDUM 4
2	2015/02/23			AT	AT	ADDENDUM 3
1	2015/02/11			AT	AT	ADDENDUM 1

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

CIVIL
DEMOLITION PLAN
AREA 9

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

DATE	DECEMBER 2014
PROJ	480770
DWG	050-D-109
SHEET	27 of 157

BID DOCUMENTS

FILENAME: 050-01-DEM-D-109.dgn PLOT DATE: 2015\03\03 PLOT TIME: 11:42:52 AM

SHEET KEYNOTES

1. STANDARD AC PAVEMENT SECTION, PER 3212-211. SAWCUT AND MATCH EXISTING AC PAVEMENT GRADES, PROVIDE SMOOTH TRANSITION.
2. CONCRETE SIDEWALK (4" CONCRETE, 2" BASE) PER ISPWC SD-709 WIDTH AS SHOWN ON PLANS. MATCH EXISTING ADJACENT GRADES. SLOPE TO DRAIN SIMILAR TO ADJACENT SIDEWALK.
3. GRAVEL SURFACE RESTORATION, PER 3215-260.
4. LAWN/SOD SURFACE RESTORATION, PER 3123-918
5. CONCRETE CURB PER ISPWC SD-701A. MATCH EXISTING ADJACENT CURB AND GRADES. SLOPE TO DRAIN SIMILAR TO ADJACENT CURB.
6. FOR ASPHALT RESTORATION AROUND ELECTRICAL HANDHOLES SEE DETAIL 3212-212.

MATCH LINE, SEE 050-C-109

PRIMARY DIGESTER NO. 1
SECONDARY DIGESTER NO. 2
PRIMARY DIGESTER NO. 2
PRIMARY DIGESTER NO. 3
ADMINISTRATION BUILDING
ENTRANCE ROAD
PROPERTY LINE

KEY PLAN

0 20 40 60
Scale in Feet
Contour Interval = 1 Foot

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

NO.	DATE	DSGN	REVISION	CHK	DR
1	2015/03/02	A THOMPSON	ADDENDUM 4	A TOLMAN	B ROBERTS

APVD AT
APVD BY
G THOMPSON

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

CIVIL

SITE LAYOUT AND GRADING PLAN AREA 3

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

DATE	DECEMBER 2014
PROJ	480770
DWG	050-C-103
SHEET	36 of 157

BID DOCUMENTS

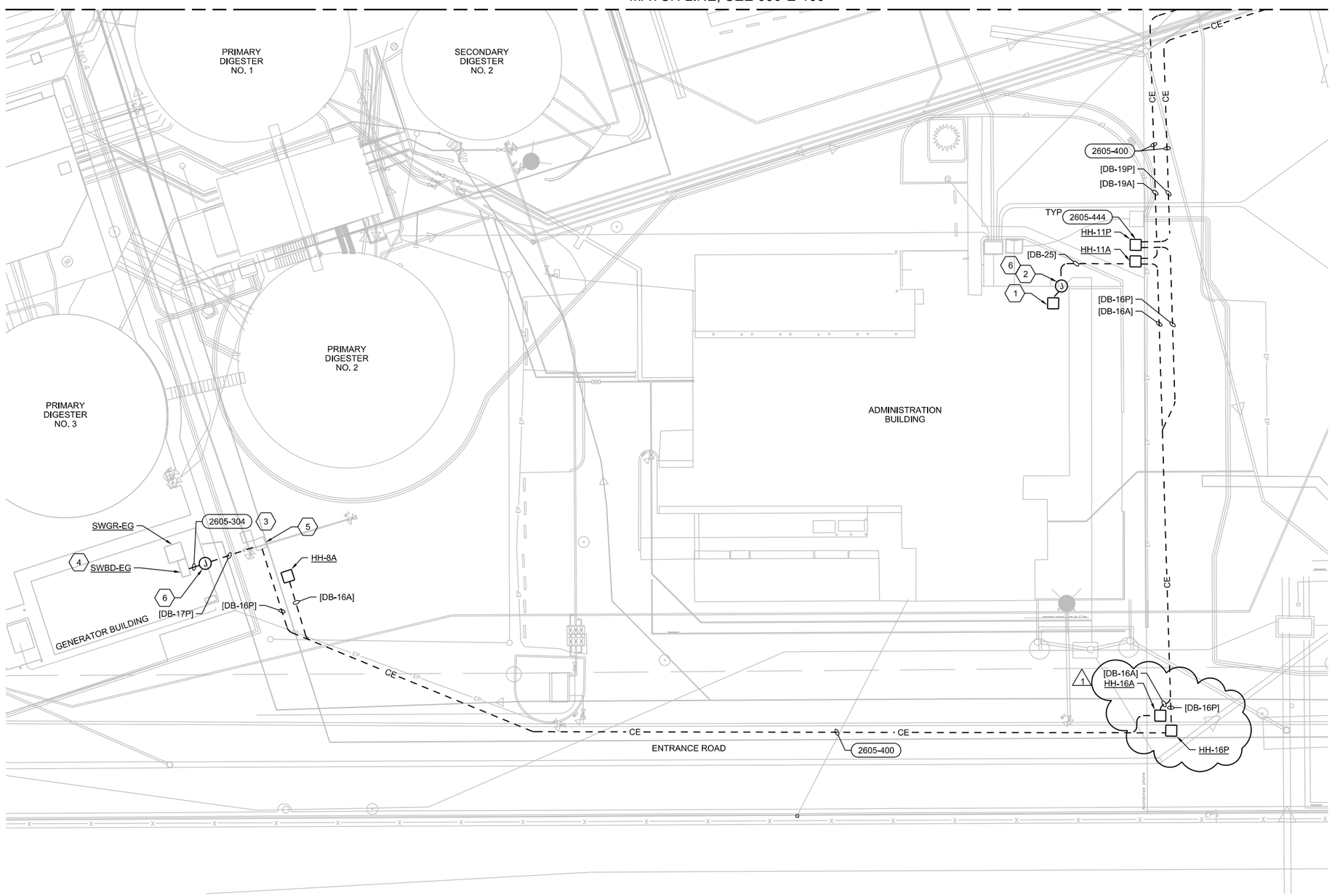
FILENAME: 050-02-YRD-C-103.dgn PLOT DATE: 2015\03\04 PLOT TIME: 8:51:33 AM

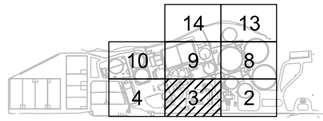
GENERAL SHEET NOTES

A. SEE DUCT BANK SCHEDULES ON DRAWINGS 050-E-601, 050-E-602 & 050-E-603.

SHEET KEYNOTES

1. ADMIN BUILDING NETWORK FIBER OPTIC PATCH PANEL.
2. ROUTE (2) 5" CONDUITS UP THE OUTSIDE WALL OF ADMIN BUILDING AND TERMINATE IN A 24"W X 24"T X 12"D JUNCTION BOX. PROVIDE (2) 5" CONDUITS INTO THE BUILDING PENETRATING INTO THE SPACE ABOVE THE LAY-IN CEILING. ROUTE CONDUITS ABOVE THE CEILING TO THE NETWORK FIBER OPTIC PATCH PANEL.
3. ROUTE CONDUITS UP OUTSIDE OF BUILDING TO A LARGE JUNCTION BOX TO PENETRATE THROUGH THE BUILDING WALL ABOVE GRADE. JUNCTION BOX SHALL BE 304 STAINLESS STEEL. ROUTE CONDUIT UP INTERIOR WALL AND ENTER SWBD-EG FROM THE TOP.
4. SEE ONE-LINE DIAGRAM ON DRAWING 381-E-002 FOR MORE DETAILS.
5. EXISTING HANDHOLE.
6. PAINT JUNCTION BOX AND CONDUIT TO MATCH BUILDING.





KEY PLAN

0 20 40 60
Scale in Feet

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

PROFESSIONAL ENGINEER REGISTERED 11623 STATE OF IDAHO TOBY PALIN

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NO.	DATE	DSGN
1	2015/03/03	ADDENDUM 4

REVISION | BY | APVD | TP | MR

DR T PALIN | CHK K BARTLETT | APVD M MACROSTIE | G THOMPSON

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

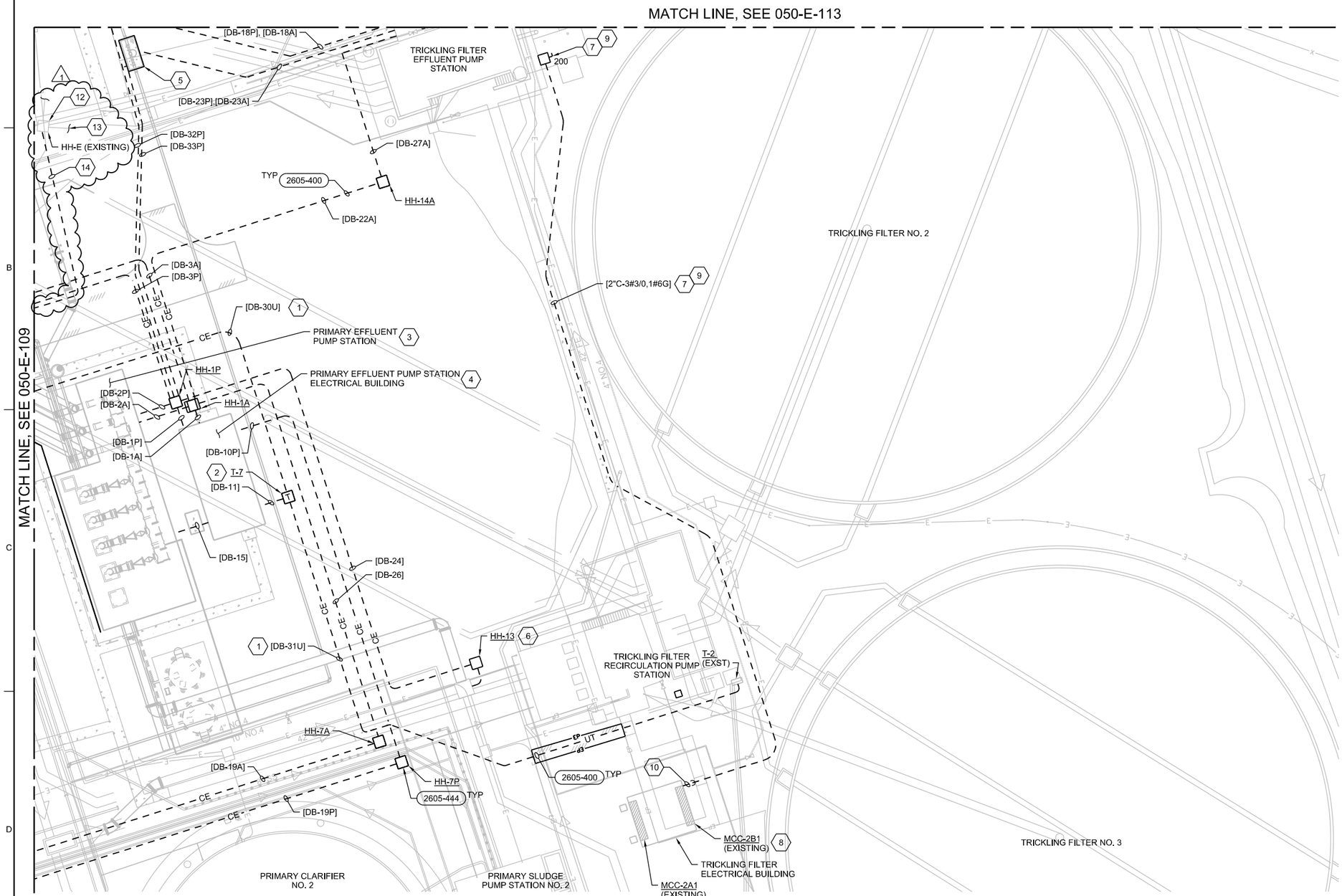
ELECTRICAL
YARD ELECTRICAL PLAN
AREA 3

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

DATE	DECEMBER 2014
PROJ	480770
DWG	050-E-103
SHEET	53 of 157

BID DOCUMENTS

FILENAME: 050-26-YRD-E-103.dgn PLOT DATE: 2015\02\27 PLOT TIME: 7:59:31 AM

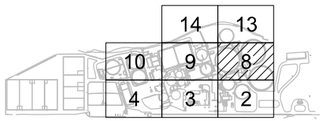


GENERAL SHEET NOTES

A. SEE DUCT BANK SCHEDULES ON DRAWINGS 050-E-601, 050-E-602 & 050-E-603.

SHEET KEYNOTES

1. MEDIUM VOLTAGE UTILITY FEEDER. CONTRACTOR SHALL PROVIDE TRENCH, CONDUIT, AND CONCRETE ENCASEMENT. UTILITY WILL PROVIDE CONDUCTORS AND TERMINATIONS.
2. UTILITY TO PROVIDE TRANSFORMER AND EQUIPMENT PAD. CONTRACTOR SHALL PROVIDE SECONDARY CIRCUITS INCLUDING TERMINATIONS AT THE SECONDARY OF THE TRANSFORMER. COORDINATE WORK WITH UTILITY.
3. FOR WORK IN PRIMARY EFFLUENT PUMP STATION, SEE DWG 371-E-111.
4. FOR WORK IN ELECTRICAL BUILDING, SEE DWG 381-E-111.
5. FOR WORK IN SECONDARY SLUDGE METER VAULT, SEE DWG 050-EL-301.
6. TERMINATE THE SPARE CONDUITS FOR FUTURE GATES IN HH-13.
7. PROVIDE TEMPORARY CIRCUIT FOR BYPASS TEMPORARY TRICKLING FILTER EFFLUENT PUMP STATION (TTFEPS) DURING CONSTRUCTION. PROVIDE 200A ENCLOSED CIRCUIT BREAKER DISCONNECT ON PEDESTAL.
8. PROVIDE NEW 200A CIRCUIT BREAKER IN 18" UNUSED SPACE OF EXISTING MCC2A1 FOR BYPASS PUMPING CIRCUIT. EXISTING MCC IS EATON FREEDOM 2100 SERIES.
9. REMOVE ENCLOSED CIRCUIT BREAKER DISCONNECT AND CONDUCTORS WHEN BYPASS PUMPING IS NO LONGER REQUIRED. ABANDON BURIED CONDUIT IN PLACE.
10. ROUTE CONDUIT OUT TOP OF MCC, THROUGH EAST WALL, AND DOWN EAST WALL. PAINT CONDUIT TO MATCH BUILDING COLOR AND REPLACE ANY DISTURBED SIDEWALK TO EXISTING CONDITION.
11. DIVERSION BOX 3. FOR ELECTRICAL WORK NEAR DIVERSION BOX 3, SEE DWG 050-E-301.
12. SPLICE NEW SECONDARY CLARIFIER CONDUCTORS TO EXISTING SECONDARY CLARIFIER CONDUCTORS IN EXISTING HH-E. USE WATERPROOF SPLICE CONNECTORS. SEE KEYNOTE 4 ON DWG 050-D-113.
13. ROUTE NEW OMRON NETWORK CABLE IN EXISTING CONDUIT TO TRICKLING FILTER EFFLUENT PUMP STATION. SEE KEYNOTE 21 ON DWG 050-D-108.
14. PROVIDE NEW CIRCUITS TO REPLACE DEMOLISHED SECONDARY CLARIFIER CIRCUITS, SITE LIGHTING CIRCUIT, AND TFEPS NETWORK CIRCUIT.



KEY PLAN

0 20 40 60
Scale in Feet

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

PROFESSIONAL ENGINEER REGISTERED 11623 STATE OF IDAHO TOBY PALIN

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NO.	DATE	DSGN	BY	CHK	DR
1	2015/03/03	ADDENDUM 4	MR	TP	APVD

REVISION

K BARTLETT | M MACROSTIE | APVD | G THOMPSON

T PALIN

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

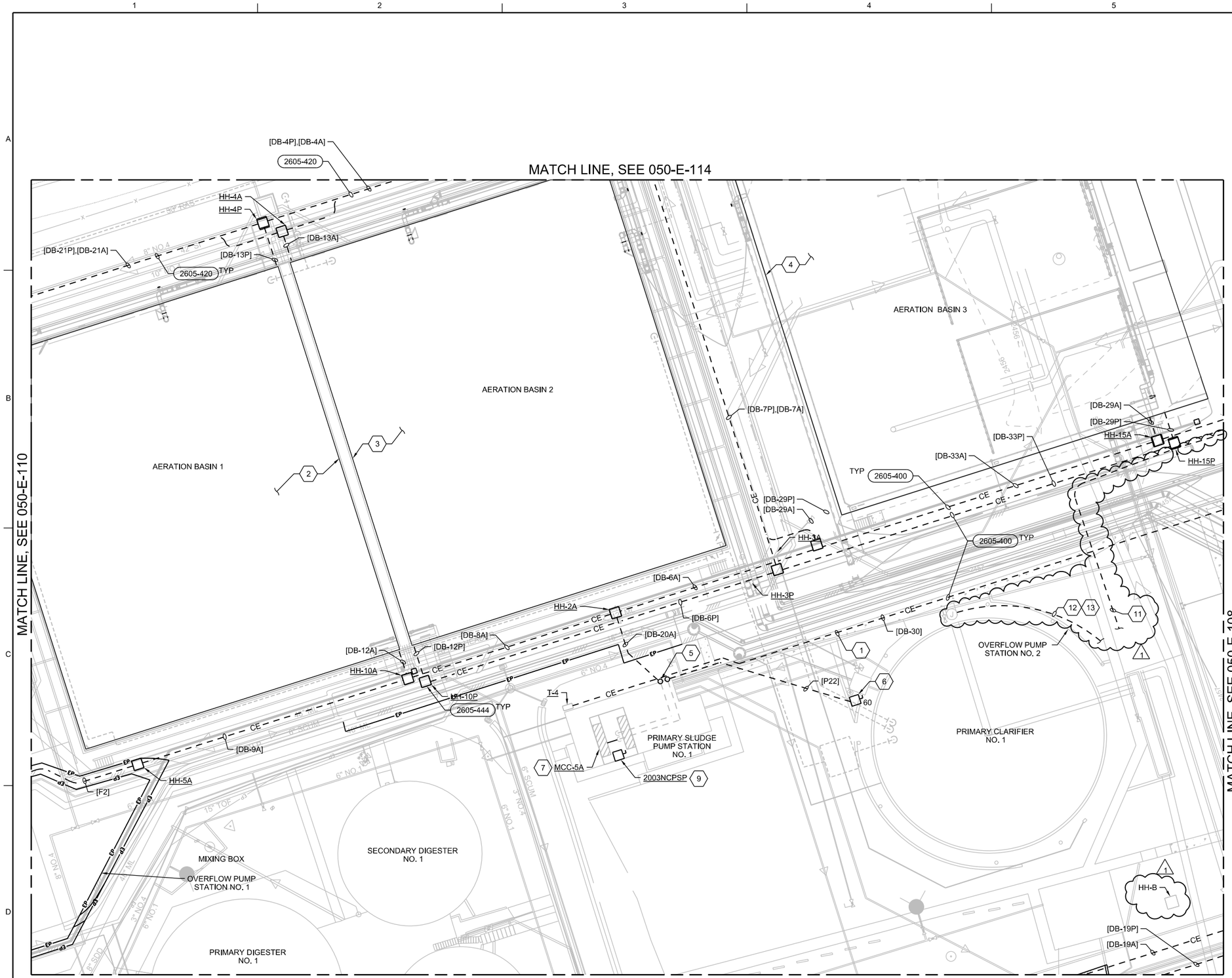
ELECTRICAL
YARD ELECTRICAL PLAN
AREA 8

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

DATE	DECEMBER 2014
PROJ	480770
DWG	050-E-108
SHEET	54 of 157

BID DOCUMENTS

FILENAME: 050-26-YRD-E-108.dgn PLOT DATE: 2015\03\04 PLOT TIME: 10:01:53 AM



GENERAL SHEET NOTES

A. SEE DUCT BANK SCHEDULE FOR SITE ELECTRICAL CIRCUIT DETAILS.

SHEET KEYNOTES

1. MEDIUM VOLTAGE UTILITY FEEDER. CONTRACTOR SHALL PROVIDE TRENCH, CONDUIT, AND CONCRETE ENCASEMENT. UTILITY SHALL PROVIDE CONDUCTORS AND TERMINATIONS. COORDINATE WORK WITH UTILITY.
2. FOR WORK IN AERATION BASIN 1, SEE DWGS 421-E-111 AND 421-E-112.
3. FOR WORK IN AERATION BASIN 2, SEE DWGS 422-E-111 AND 422-E-112.
4. FOR WORK IN AERATION BASIN 3, SEE DWGS 423-E-111 AND 423-E-112.
5. ROUTE SMFOC CABLE BY INTERCEPTING EXISTING 2" CONDUIT ON NORTH SIDE OF BUILDING. EXTEND CONDUIT FROM ROOF ENTRANCE TO 2003 NCPSP.
6. PROVIDE 60A DISCONNECT ON A WOOD POST PEDESTAL TO PROVIDE POWER FOR TEMPORARY UTILITY PUMP STATION. (TUPS).
7. REMOVE EXISTING "OUT OF USE" STARTER IN MCC 5A. INSTALL NEW 50A CB AND CUBICLE IN EXISTING GE 7700 LINE CONTROL CENTER MCC FOR TUPS.
8. ROUTE CIRCUIT TO MCC-5A. USE EXISTING 2" CONDUIT FOR ROUTING TO ELECTRICAL ROOM.
9. INSTALL 2003NCPSP ABOVE DOOR IN ELECTRICAL ROOM.
10. PROVIDE FIBER OPTIC CIRCUIT TO BLOWER BUILDING. FOR CONTINUATION SEE DWG 435-E-111.

1

11. INTERRUPT EXISTING CIRCUITS TO SECONDARY CLARIFIER NO. 2, TFEPS, AND SITE LIGHTING, AND EXTEND TO HH-15P AND EXISTING HH-E AS SHOWN. SEE KEY NOTE 4 ON DWG 050-D-113 AND KEYNOTE 21 ON DWG 050-D-108.
12. INTERRUPT EXISTING CIRCUITS TO PRIMARY CLARIFIER NO. 1 AND TO DEWATERING RECEPTACLES THAT WILL BE DISRUPTED BY DEMOLISHING HH-C. RECONNECT TO LOADS AT JUNCTION BOX. PROVIDE NEW CONDUCTORS FROM HH-B TO JUNCTION BOX. PROVIDE WATERPROOF SPLICE IN HH-B.
13. ASSUME THE FOLLOWING CIRCUITS: [1"C-3#10,1#10G], [1"C-3#10,1#10G], [1"C-10#12,1#12G].

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

PROFESSIONAL ENGINEER REGISTERED 11623 STATE OF IDAHO TOBY PALIN

ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

NO.	DATE	REVISION	DR	CHK	APVD
1	2015/03/03	ADDENDUM 4	T PALIN	K BARTLETT	M MACROSTIE
DSGN			MR	BY	APVD
			TP	APVD	G THOMPSON

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

ELECTRICAL
YARD ELECTRICAL PLAN
AREA 9

BID DOCUMENTS

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

DATE	DECEMBER 2014
PROJ	480770
DWG	050-E-109
SHEET	55 of 157

FILENAME: 050-26-YRD-E-109.dgn PLOT DATE: 2015\03\04 PLOT TIME: 10:04:18 AM

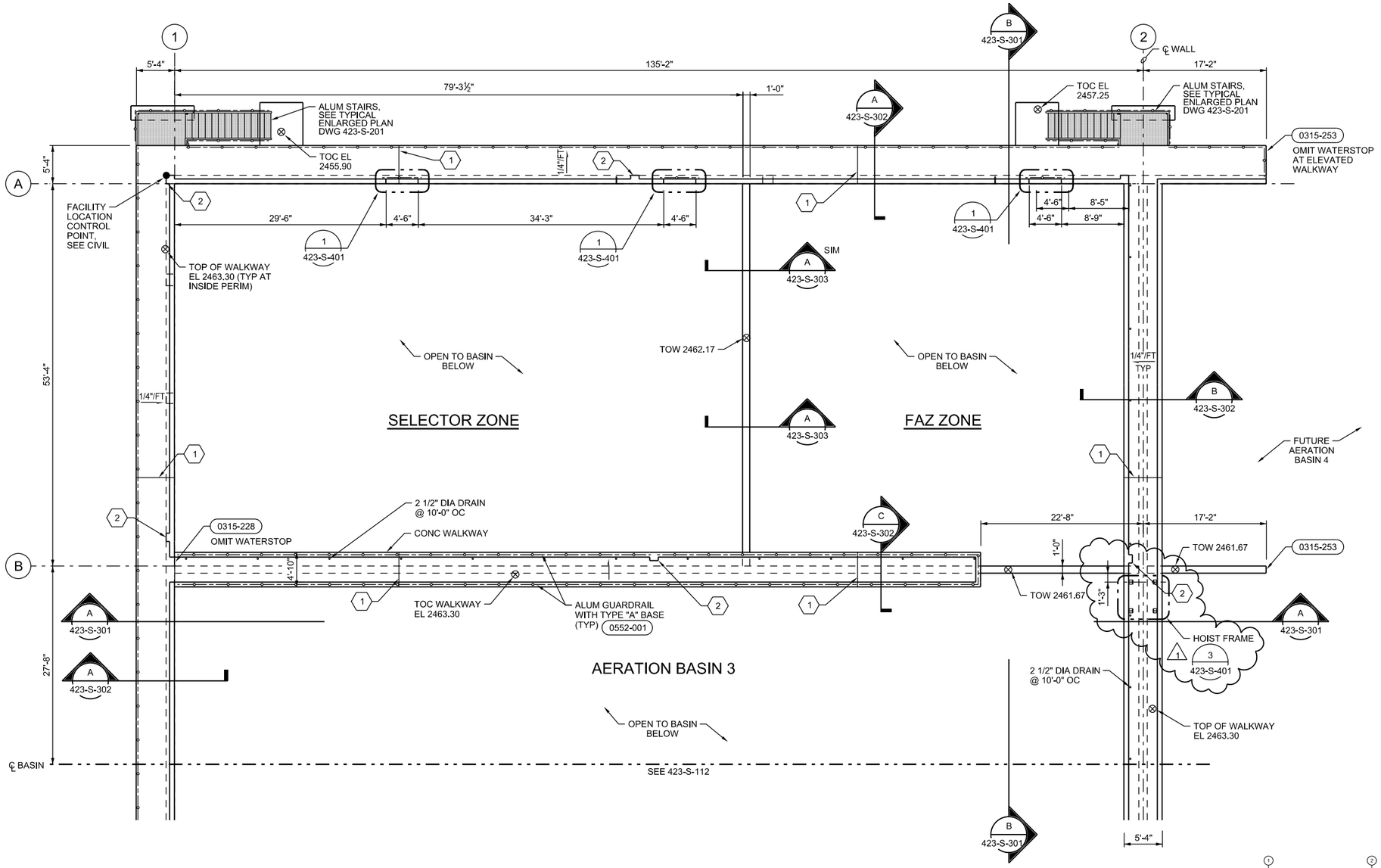
GENERAL SHEET NOTES

A. FOR GENERAL STRUCTURAL NOTES AND ABBREVIATIONS, SEE DRAWINGS 010-G-013, 010-G-014, AND 010-G-015.

B. SEE STANDARD DETAILS FOR ADDITIONAL INFORMATION.

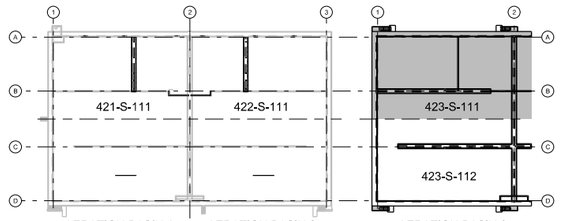
SHEET KEYNOTES

1. EXPANSION JOINT AT ELEVATED WALKWAY ONLY, OMIT WATERSTOP. FOR LOCATIONS SEE FOUNDATION PLAN. PROVIDE EXPANSION JOINT IN GUARDRAIL AT EXPANSION JOINT LOCATIONS. SEE (0315-216)
2. LIGHT POST PILASTER. COORDINATE LOCATION WITH ELECTRICAL. SEE DETAIL 2 ON DWG 421-S-301.



AERATION BASIN 3 NORTH UPPER LEVEL PLAN

1/8"=1'-0"



KEY PLAN

NTS

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

NO.	DATE	DSGN	DR	CHK	APVD
1	2015/03/23	W KOHLER	L HENDERSHOTT	B HERMAN	G THOMPSON
				LH	BY
				WK	APVD

REVISION

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

STRUCTURAL

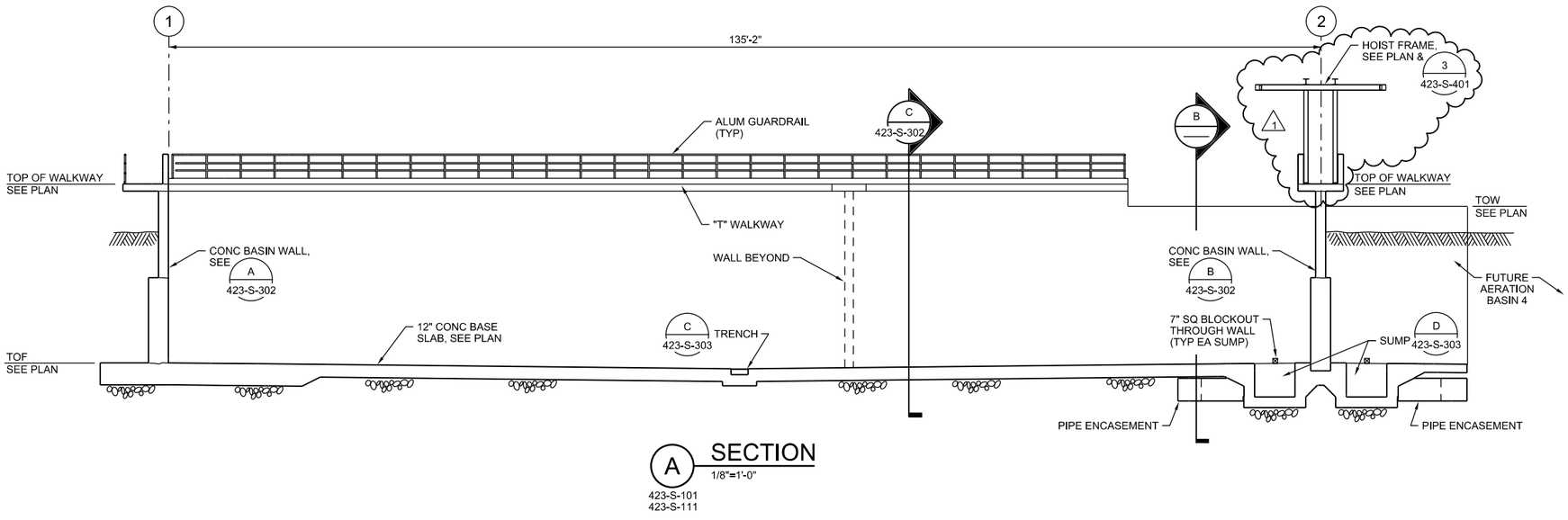
AERATION BASIN 3 NORTH UPPER LEVEL PLAN

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

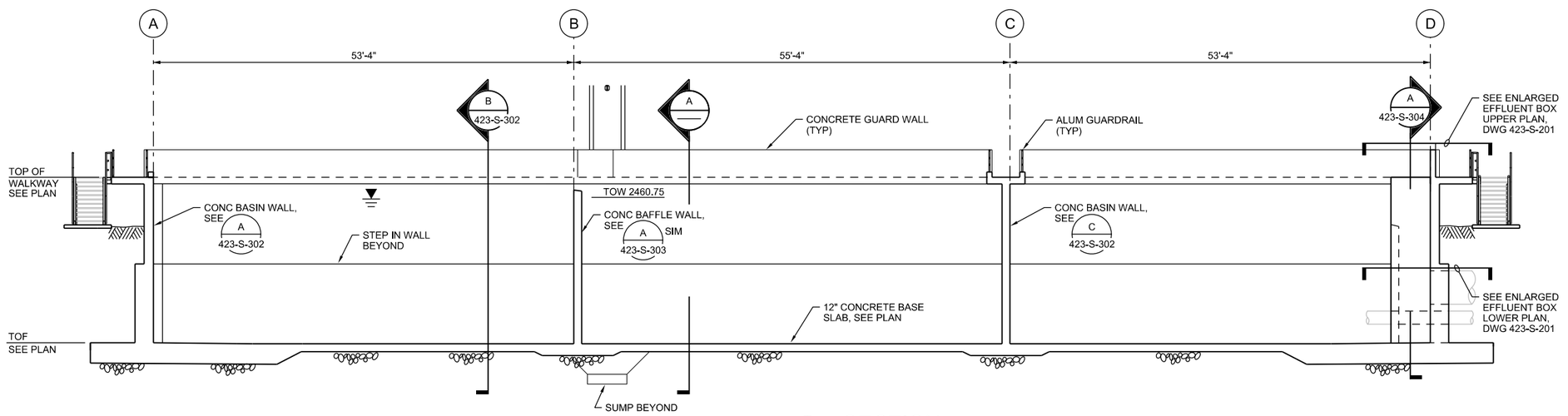
DATE	DECEMBER 2014
PROJ	480770
DWG	423-S-111
SHEET	137 of 157

BID DOCUMENTS

FILENAME: 423-05-AB3-S-111.dgn PLOT DATE: 2015\03\03 PLOT TIME: 9:38:45 AM



A SECTION
1/8"=1'-0"
423-S-101
423-S-111



B SECTION
1/8"=1'-0"
423-S-101
423-S-102
423-S-111
423-S-112

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

NO.	DATE	DSGN	REVISION	BY	APVD
1	2015/02/26	W KOHLER	ADDENDUM 4	LH	WK

DR L HENDERSHOTT CHK B HERMAN APVD G THOMPSON

BID DOCUMENTS

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

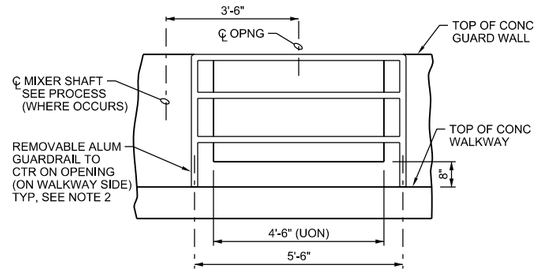
CH2MHILL®

STRUCTURAL
AERATION BASIN 3
OVERALL SECTIONS

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

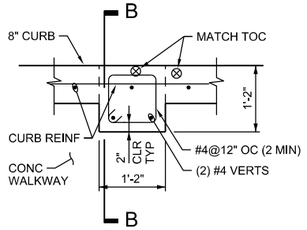
DATE	DECEMBER 2014
PROJ	480770
DWG	423-S-301
SHEET	140 of 157

FILENAME: 423-05-AB3-S-301.dgn PLOT DATE: 2015\03\03 PLOT TIME: 1:22:50 PM

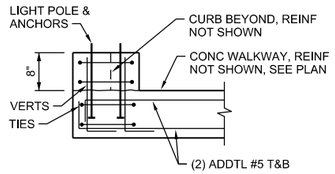


ELEVATION
LOOKING SOUTH

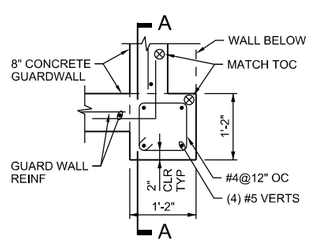
1 DETAIL
3/4"=1'-0"
423-S-111

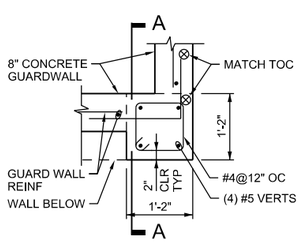


PILASTER AT CURB PLAN

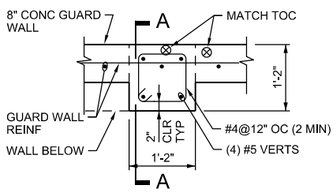


SECTION B-B





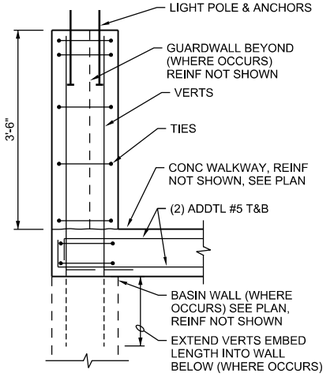
CORNER PILASTER PLANS



TYPICAL PILASTER PLAN

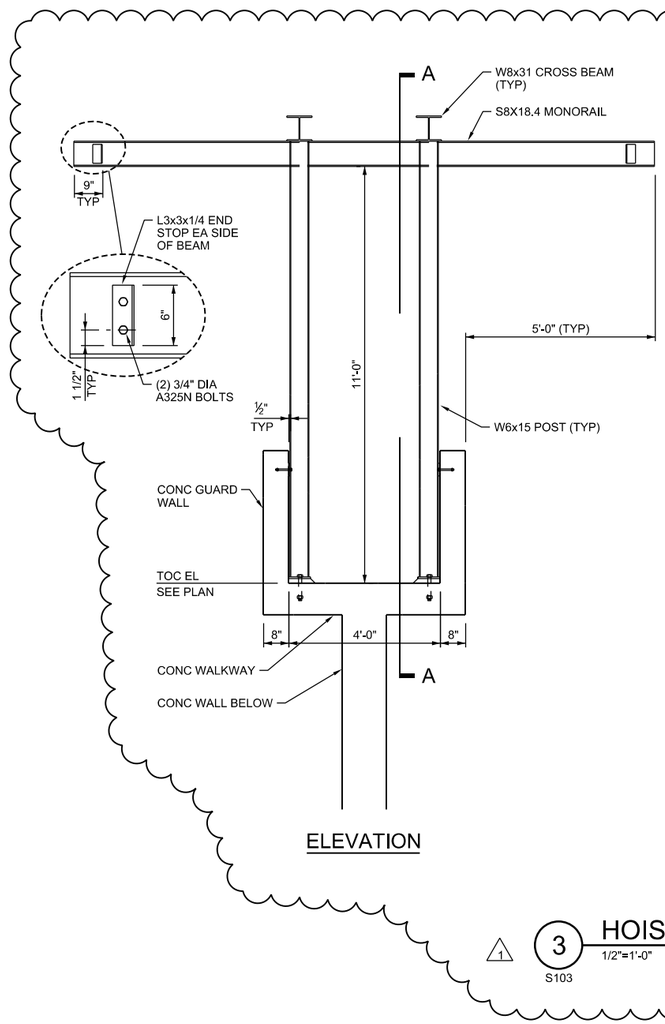
NOTES:

1. COORDINATE REINF WITH LIGHT BASE BOLT PATTERN, SEE ELECTRICAL.
2. COORDINATE EXACT PILASTER LOCATIONS WITH ELECTRICAL.

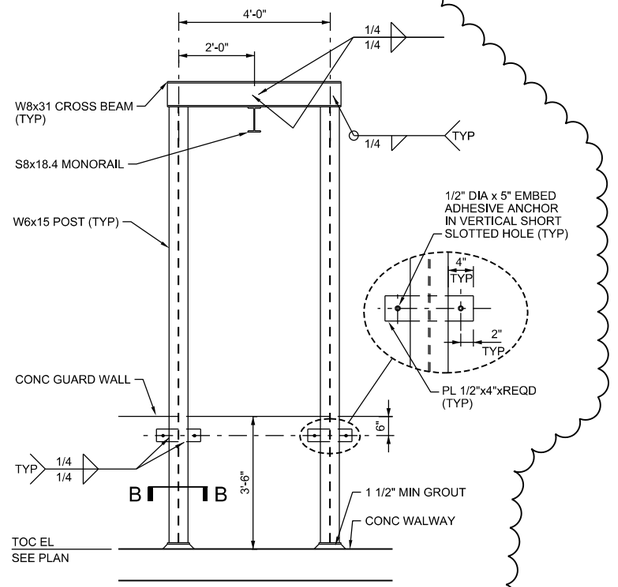


SECTION A-A

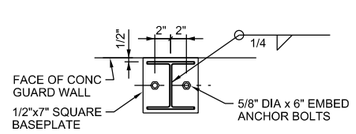
2 LIGHT POST PILASTER
3/4"=1'-0"
423-S-111
423-S-112



ELEVATION



SECTION A-A



SECTION B-B

△1 3 HOIST FRAME
1/2"=1'-0"
S103

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.

ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

NO.	DATE	DSGN
1	2015/03/10	ADDENDUM 4

REVISION | DR | CHK | APVD
W KOHLER | L HENDERSHOTT | B HERMAN | G THOMPSON
LH | BY | APVD
WK | APVD

NAMPA WWTP PHASE 1 UPGRADES
PROJECT GROUP A
CITY OF NAMPA
NAMPA, IDAHO

CH2MHILL®

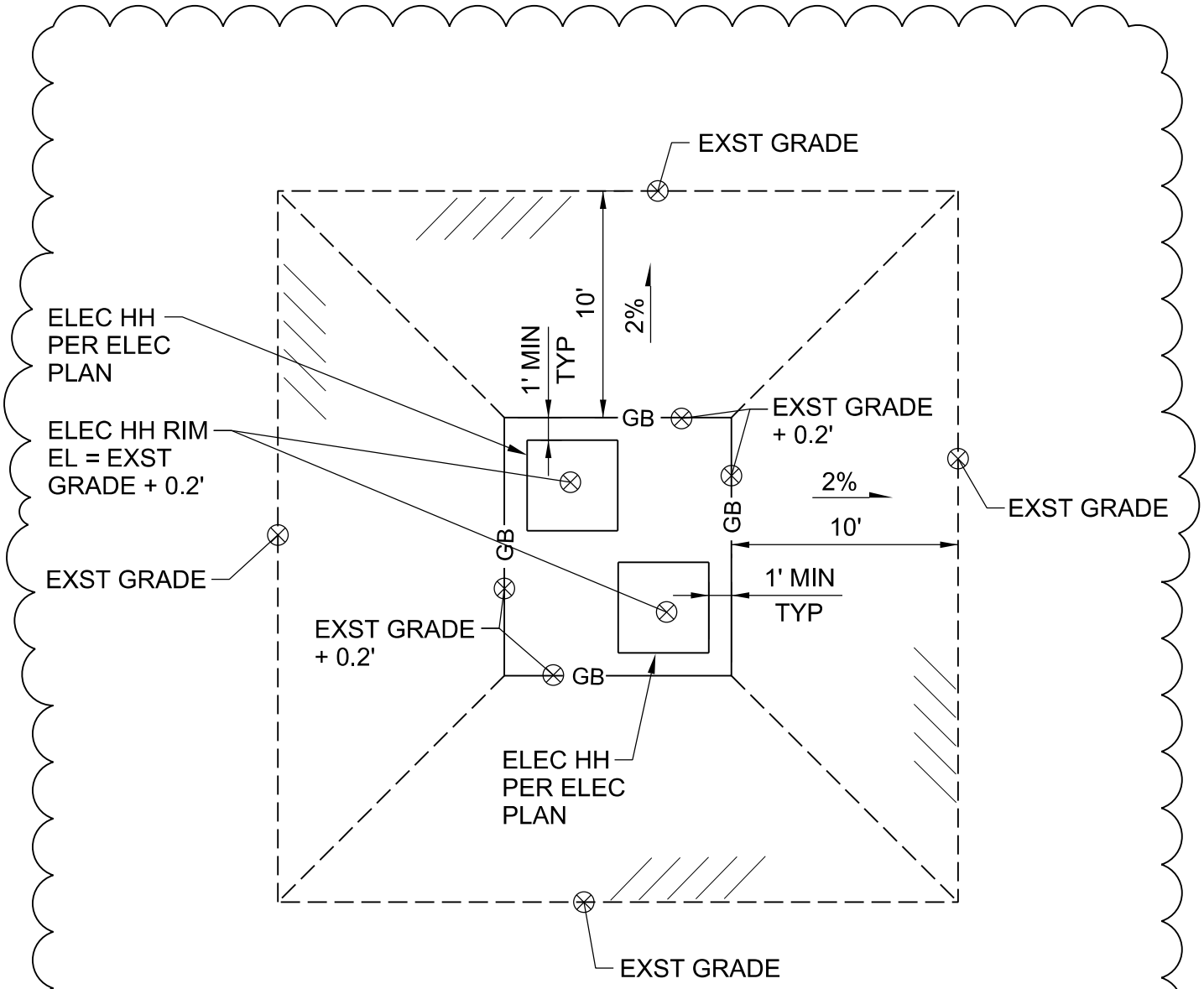
STRUCTURAL
AERATION BASIN 3 DETAILS

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

DATE	DECEMBER 2014
PROJ	480770
DWG	423-S-401
SHEET	144 of 157

BID DOCUMENTS

FILENAME: 423-05-AB3-S-401.dgn PLOT DATE: 2015\03\03 PLOT TIME: 1:33:56 PM



ASPHALT RESTORATION AT DOUBLE HANDHOLE

NTS

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3212-212

CH2MHILL

City of Nampa Wastewater Treatment Plant Phase 1 Upgrades

Group A - Liquid Stream Upgrades

Site Visit Sign in Sheet
3/4/2015

Name	Company	Phone Number	Email Address	Plan Holder Y/N	General Contractor or Subcontractor
Monty Bullock.	Sunbelt Rentals.	208-501-5321	monty.bullock@sunbelt	Rental eq	rental Equip. provider.
Aaron Douglas	Sunbelt Rentals P&P	801-310-1378	Aaron.Douglas@sunbeltrentals.com	Y	Subcontractor
Mike Tenhulzen	A.M.E. Electric	208-459-8959	mike@ameelectric.com	Y	Subcontractor
Jamie Winters	AME Electric	208-457-8959	jamie@ameelectric.com	Y	Subcontractor
Elliott Shippy	AME Electric	208-965-5144	Elliott@ameelectric.com	Y	Subcontractor
Benji Young	Ewing Company	208-377-1500	Bids@ewingcompany.com	Y	GC
Tuck Ewing	Ewing Company	377-150	Bids@ewingcompany.com	Y	GC
Russell Steadman	Custom Electric	855-0228	russell@customelectricinc.net	N	Subcontractor
Travis Semler	Garco Construction	509-535-4688	travisS@garco.com	Yes	General
John Laible	Rain For Rent	208-~~841-3771~~ 919-3898	jlaible@rainforrent.com	Yes	Sub
SABINO PAPASODARO	RSCI GROUP	208 472-0192	SABINO@RSCIGROUP.COM	YES	G-C
MATT NEMKOW	JCL	965-3244	matt@jclboise.com	Y	GC
KEMAL YILMAZ	PSI	287-0794	KYILMAZ@PSIGC.com	Y	GC

City of Nampa Wastewater Treatment Plant Phase 1 Upgrades

Group A - Liquid Stream Upgrades

Site Visit Sign in Sheet
3/4/2015

Name	Company	Phone Number	Email Address	Plan Holder Y/N	General Contractor or Subcontractor
Stuart Hurley	MWW	871-5862	shurley@mountainwtr.com	N	Sub
Ryan Steinwand	Cascade Enterprises	991-7146	ryan@cascade-enterprises.com	N	sub

Nampa Wastewater Treatment Plant Phase I Upgrades: Group A-Liquid Stream Upgrades

Response to Written Bidder Questions – Addendum 4

Internal Tracking	Spec/Drawing	Bidder Question/Comment	Response
18	010-G-022 and 010-G-023	Can you clarify the sources of the temporary flows called out in the Process Flow Diagrams?	Flows 3 and 5 into Primary Clarifier 1 as shown on 010-G-022: These are an existing 15" TOF (may also be labeled TUF) and 8" UD that run south of aeration basins 1 and 2 as shown on sheet 050-CY-109 where they are identified by note 7. Temporary pumps are to be installed in Primary Clarifier 1 to pump these flows into aeration basins 1 and 2 as shown on that sheet. Temporary Trickling Filter Effluent pump station and Secondary Clarifier 2 Effluent Bypass to Aeration Basins 1 and 2 as shown on 010-G-022: This piping is shown on 050-CY-108 (notes 7, 8 and 9), 050-CY-109 ((note 11), 050-CY-113 (notes 1 and 5) and 050-CY-114 ((notes 8, 9 and 10). Aeration Basin 1 and 2 Underdrain Piping as shown on 010-G-023: This piping is shown on 050-CY-109 (note 9) and diverts the underdrain pump station discharge into aeration basins 1 and 2.
19		The steel fabricator would like to confirm that you want cement lining on the air piping. The reason for his asking is that the air will dry out the cement causing it to break and fall off which could possibly cause serious problems in the air system. Normally what they see is no lining and primer coated. Please let me know what you would like.	See Addendum 4.
20		Is there a domestic material requirements for this project? We have not been able to find anything in the specs.	This contract does not include domestic materials requirements.
21	050-CY-109	The TOF line. Per the piping schedule this is called out as Cement Lined Ductile iron pipe. The drawing calls it as 15", could you clarify is this pipe indeed Ductile iron, if so is it 14" or 16" (15" DI not made) or is it 15" C3034 sewer pipe?	See addendum 4
22	423-M-301	Valve Tag V202 appears on sheet 423-M-301 but is not defined in the valve specifications. Please specify the valve required at this location.	See Addendum 4.

23	321-M-11	Drawing 321-M-111 indicates that the existing Trickling Filter Mechanism is to be removed and turned over to the Owner. 1. To what extent is the mechanism be broken down to. 2. Location of where the mechanism is to be delivered to.	See Addendum 4
25	371-E-111	The only pole lighting I have found is at Aeration Basin #3, P2's and P3's. Are there some I didn't see maybe on the site Drawings?	Two P1 luminaires and poles are shown on drawing 371-E-111 to illuminate the Primary Effluent Pump Station.