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Guide Specification

Specifier Notes: This guide specification is written in Construction Specifications Institute (CSI) 3-Part Format in accordance with *The CSI Construction Specifications Practice Guide, MasterFormat, SectionFormat, and PageFormat*.

This Section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the Project and local building code. Coordinate this Section with Conditions of the Contract, Division 01, other specification sections, and the Drawings. Delete all Specifier Notes after editing this Section.

Section numbers and titles are based on *MasterFormat 2016 Edition*.

SECTION 22 13 23

SANITARY WASTE INTERCEPTORS

Specifier Notes: This Section covers MIFAB, Inc. "Big Max" HDPE grease, oil, solids, plaster, lint, sand, fish scale, and rice interceptors. Consult MIFAB, Inc. for assistance in editing this Section as required for the Project.

PART 1 GENERAL

1.1 SECTION INCLUDES

Specifier Notes: List the HDPE interceptors specified in this Section. Delete interceptors not required. Consult MIFAB, Inc. for more information.

- A. HDPE grease interceptors.
- B. HDPE oil interceptors.
- C. HDPE solids interceptors.

- D. HDPE plaster interceptors.
- E. HDPE lint interceptors.
- F. HDPE sand interceptors.
- G. HDPE fish scale interceptors.
- H. HDPE rice interceptors.

1.2 RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as required for the Project. Limit the list to sections with specific information that the reader might expect to find in this Section, but is specified elsewhere.

- A. Section 22 13 00 – Facility Sanitary Sewerage.

1.3 REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this Section, complete with designations and titles. Delete reference standards from the following list not used in the edited Section.

- A. CSA Group (CSA) (www.csagroup.org):
 - 1. CSA B481 – Series of Standards, Grease Interceptors.
- B. International Organization for Standardization (ISO) (www.iso.org):
 - 1. ISO 9001 – Quality management systems – Requirements.
- C. The American Society of Mechanical Engineers (ASME) (www.asme.org):
 - 1. ASME A112.14.3 – Grease Interceptors.
- D. The Plumbing and Drainage Institute (PDI) (www.pdionline.org):
 - 1. PDI-G101 – Testing and Rating Procedure for Hydro Mechanical Grease Interceptors with Appendix of Installation and Maintenance.

1.4 PREINSTALLATION MEETINGS

Specifier Notes: Edit the Preinstallation Meetings article as required for the Project. Delete this article if not required.

- A. Convene preinstallation meeting [1 week] [2 weeks] before start of installation of interceptors.
- B. Require attendance of parties directly affecting Work of this Section, including Contractor, Architect, installer, and manufacturer’s representative.
- C. Review the Following:

1. Materials.
2. Installation.
3. Protection.
4. Coordination with other Work.

1.5 SUBMITTALS

Specifier Notes: Edit the Submittals article as required for the Project. Delete submittals not required.

- A. Submittals: Comply with Division 01.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- D. Manufacturer's Project References: Submit manufacturer's list of 10 successfully completed interceptor projects of similar size and scope to this Project, including project name and location, name of architect, and type and quantity of interceptors furnished.
- E. Installer's Project References: Submit installer's list of 5 successfully completed interceptor projects of similar size and scope to this Project, including project name and location, name of architect, and type and quantity of interceptors installed.
- F. Warranty Documentation: Submit manufacturer's standard warranty.

1.6 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 1. Manufacturer regularly engaged in the manufacturing of interceptors of similar type to that specified for a minimum of 10 years.
 2. ISO 9001 certified company.
- B. Installer's Qualifications:
 1. Installer regularly engaged in installation of interceptors of similar type to that specified for a minimum of 5 years.
 2. Use persons trained for installation of interceptors.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:
 1. Store and handle materials in accordance with manufacturer's instructions.
 2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
 3. Store materials in clean, dry area indoors.
 4. Do not store materials directly on floor.

5. Protect materials during storage, handling, and installation to prevent damage.

1.8 WARRANTY

- A. Warranty Period: Limited lifetime.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: MIFAB, Inc., 1321 West 119th Street, Chicago, Illinois 60643. Toll Free 800-465-2736. Fax 773-341-3049. www.mifab.com. sales@mifab.com.

Specifier Notes: Specify if substitutions will be permitted.

- B. Substitutions: [Not permitted] [Comply with Division 01].
- C. Single Source: Provide materials from single manufacturer.

Specifier Notes: Specify HDPE grease, oil, solids, plaster, lint, sand, fish scale, and rice interceptors as required for the Project. Delete interceptors not required. Consult MIFAB, Inc. for more information.

2.2 HDPE GREASE INTERCEPTORS

- A. Grease Interceptors: "Big Max Model XL-MI-G-PL-750" HDPE grease interceptors.
 1. Flow Rate: 75 gpm.
 2. Grease Design Capacity: 750 lbs (105 gallons).
 3. Liquid Holding Capacity: 140 gallons.
 4. Tested and Certified:
 - a. PDI-G101.
 - b. ASME A112.14.3.
 - c. CSA B481.
 5. Listed:
 - a. IAPMO.
 - b. ICC.
 6. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 7. Uniform Wall Thickness: 3/8 inch.
 8. Above or below ground installation.
 9. Deep seal trap covered by lid.
 10. Internal air-relief by-pass.
 11. Adjustable lid system.
 12. Stainless steel calibrated orifice plate (internal flow control).
 13. Sample port access.
 14. 4-inch no-hub inlet and outlet connections.
 15. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.

- c. Meets loading requirements of AASHTO H20.
- 16. Overall Dimensions:
 - a. Length: 50 inches (1,267 mm).
 - b. Width: 33.50 inches (851 mm).
 - c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify grease interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

- 17. Grease Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. Dosing pump.
 - f. Enzyme port.
 - g. 6-inch no-hub inlet and outlet.
 - h. Membrane clamp kit.
 - i. High-level alarm and float switch, installed on site.
 - j. 4-inch no-hub inlet on left-hand side.
 - k. 4-inch no-hub outlet on left-hand side.
 - l. PDI plate and external vented flow control fitting to meet PDI standards.
 - m. 4-inch no-hub inlet on right-hand side.
 - n. 4-inch no-hub outlet on right-hand side.
 - o. 4-inch remote pump outlet connections on top of interceptor.
 - p. Sediment bucket.
 - q. External sample port.
 - r. External sample port, offset.
 - s. Female threaded connections.

- B. Grease Interceptors: "Big Max Model XL-MI-G-PL-1150" HDPE grease interceptors.
 - 1. Flow Rate: 100 gpm.
 - 2. Grease Design Capacity: 1,150 lbs (160 gallons).
 - 3. Liquid Holding Capacity: 300 gallons.
 - 4. Tested and Certified:
 - a. PDI G-101.
 - b. ASME A112.14.3.
 - c. CSA B481.
 - 5. Listed:
 - a. IAPMO.
 - b. ICC.
 - 6. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 - 7. Uniform Wall Thickness: 3/8 inch.
 - 8. Above or below ground installation.
 - 9. Deep seal trap covered by lid.
 - 10. Internal air-relief by-pass.
 - 11. Adjustable lid system.
 - 12. Stainless steel calibrated orifice plate (internal flow control).
 - 13. Sample port access.

14. 4-inch no-hub inlet and outlet connections.
15. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
16. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 33.50 inches (851 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify grease interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

17. Grease Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. Dosing pump.
 - f. Enzyme port.
 - g. 6-inch no-hub inlet and outlet.
 - h. Membrane clamp kit.
 - i. High-level alarm and float switch, installed on site.
 - j. 4-inch no-hub inlet on left-hand side.
 - k. 4-inch no-hub outlet on left-hand side.
 - l. PDI plate and external vented flow control fitting to meet PDI standards.
 - m. 4-inch no-hub inlet on right-hand side.
 - n. 4-inch no-hub outlet on right-hand side.
 - o. 4-inch remote pump outlet connections on top of interceptor.
 - p. Sediment bucket.
 - q. External sample port.
 - r. External sample port, offset.
 - s. Female threaded connections.

2.3 HDPE OIL INTERCEPTORS

- A. Oil Interceptors: "Big Max Model XL-MI-O-PL-750" HDPE oil interceptors.
 1. Flow Rate: 75 gpm.
 2. Oil Design Capacity: 750 lbs (105 gallons).
 3. Liquid Holding Capacity: 140 gallons.
 4. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 5. Uniform Wall Thickness: 3/8 inch.
 6. Above or below ground installation.
 7. Deep seal trap covered by lid.
 8. Adjustable lid system.
 9. Stainless steel calibrated orifice plate (internal flow control).
 10. Internal air-relief by-pass.
 11. Adjustable oil draw-off assembly (1-1/2 inches) on each side.
 12. Double vent connections (3 inches) on each side.

13. Sample port access.
14. 4-inch no-hub inlet and outlet connections.
15. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
16. Overall Dimensions:
 - a. Length: 50 inches (1,267 mm).
 - b. Width: 33.50 inches (851 mm).
 - c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify oil interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

17. Oil Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. Enzyme port.
 - f. 6-inch no-hub inlet and outlet.
 - g. Membrane clamp kit.
 - h. High-level alarm and float switch, installed on site.
 - i. Holding tank.
 - j. 4-inch no-hub inlet on left-hand side.
 - k. 4-inch no-hub outlet on left-hand side.
 - l. 4-inch no-hub inlet on right-hand side.
 - m. 4-inch no-hub outlet on right-hand side.
 - n. 4-inch remote pump outlet connections on top of interceptor.
 - o. Sediment bucket.
 - p. External sample port.
 - q. External sample port, offset.
 - r. Female threaded connections.

- B. Oil Interceptors: "Big Max Model XL-MI-O-PL-1150" HDPE oil interceptors.
 1. Flow Rate: 100 gpm.
 2. Oil Design Capacity: 1,150 lbs (160 gallons).
 3. Liquid Holding Capacity: 300 gallons.
 4. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 5. Uniform Wall Thickness: 3/8 inch.
 6. Above or below ground installation.
 7. Deep seal trap covered by lid.
 8. Adjustable lid system.
 9. Stainless steel calibrated orifice plate (internal flow control).
 10. Internal air-relief by-pass.
 11. Adjustable oil draw-off assembly (1-1/2 inches) on each side.
 12. Double vent connections (3 inches) on each side.
 13. Sample port access.
 14. 4-inch no-hub inlet and outlet connections.

15. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
16. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 33.50 inches (851 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify oil interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

17. Oil Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. Enzyme port.
 - f. 6-inch no-hub inlet and outlet.
 - g. Membrane clamp kit.
 - h. High-level alarm and float switch, installed on site.
 - i. Holding tank.
 - j. 4-inch no-hub inlet on left-hand side.
 - k. 4-inch no-hub outlet on left-hand side.
 - l. 4-inch no-hub inlet on right-hand side.
 - m. 4-inch no-hub outlet on right-hand side.
 - n. 4-inch remote pump outlet connections on top of interceptor.
 - o. Sediment bucket.
 - p. External sample port.
 - q. External sample port, offset.
 - r. Female threaded connections.

2.4 HDPE SOLIDS INTERCEPTORS

- A. Solids Interceptors: "Big Max Model XL-MI-SOLID-M-PL" HDPE solids interceptors.
 1. Solids Holding Capacity: 140 gallons.
 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 3. Uniform Wall Thickness: 3/8 inch.
 4. Above or below ground installation.
 5. Solids retention baffle with elevated 3-inch-diameter passageway.
 6. Adjustable lid system.
 7. Sample port access.
 8. 4-inch no-hub inlet and outlet connections.
 9. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
 10. Overall Dimensions:
 - a. Length: 50 inches (1,267 mm).

- b. Width: 33.50 inches (851 mm).
- c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify solids interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

- 11. Solids Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. Enzyme port.
 - f. 6-inch no-hub inlet and outlet.
 - g. Membrane clamp kit.
 - h. High-level alarm and float switch, installed on site.
 - i. 4-inch no-hub inlet on left-hand side.
 - j. 4-inch no-hub outlet on left-hand side.
 - k. 4-inch no-hub inlet on right-hand side.
 - l. 4-inch no-hub outlet on right-hand side.
 - m. 4-inch remote pump outlet connections on top of interceptor.
 - n. External sample port.
 - o. External sample port, offset.
 - p. Female threaded connections.

- B. Solids Interceptors: "Big Max Model XL-MI-SOLID-L-PL" HDPE solids interceptors.
 - 1. Solids Holding Capacity: 300 gallons.
 - 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 - 3. Uniform Wall Thickness: 3/8 inch.
 - 4. Above or below ground installation.
 - 5. Solids retention baffle with elevated 3-inch-diameter passageway.
 - 6. Adjustable lid system.
 - 7. Sample port access.
 - 8. 4-inch no-hub inlet and outlet connections.
 - 9. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
 - 10. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 33.50 inches (851 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify solids interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

- 11. Solids Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.

- c. Lid extension from 44 inches to 72 inches.
- d. Ductile iron lid and collar.
- e. Enzyme port.
- f. 6-inch no-hub inlet and outlet.
- g. Membrane clamp kit.
- h. High-level alarm and float switch, installed on site.
- i. 4-inch no-hub inlet on left-hand side.
- j. 4-inch no-hub outlet on left-hand side.
- k. 4-inch no-hub inlet on right-hand side.
- l. 4-inch no-hub outlet on right-hand side.
- m. 4-inch remote pump outlet connections on top of interceptor.
- n. External sample port.
- o. External sample port, offset.
- p. Female threaded connections.

2.5 HDPE PLASTER INTERCEPTORS

- A. Plaster Interceptors: "Big Max Model XL-MI-PLASTER-M-PL" HDPE plaster interceptors.
 - 1. Flow Rate: 75 gpm.
 - 2. Solids Holding Capacity: 140 gallons.
 - 3. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 - 4. Uniform Wall Thickness: 3/8 inch.
 - 5. Above or below ground installation.
 - 6. Plaster retention baffle with elevated 3-inch-diameter passageway.
 - 7. Adjustable lid system.
 - 8. Sample port access.
 - 9. 4-inch no-hub inlet and outlet connections.
 - 10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
 - 11. Overall Dimensions:
 - a. Length: 50 inches (1,267 mm).
 - b. Width: 15.5 inches (394 mm).
 - c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify plaster interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

- 12. Plaster Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. 6-inch no-hub inlet and outlet.
 - f. Membrane clamp kit.
 - g. 4-inch no-hub inlet on left-hand side.
 - h. 4-inch no-hub outlet on left-hand side.
 - i. 4-inch no-hub inlet on right-hand side.

- j. 4-inch no-hub outlet on right-hand side.
- k. 4-inch remote pump outlet connections on top of interceptor.
- l. External sample port.
- m. External sample port, offset.
- n. Female threaded connections.

B. Plaster Interceptors: "Big Max Model XL-MI-PLASTER-L-PL" HDPE plaster interceptors.

- 1. Flow Rate: 100 gpm.
- 2. Solids Holding Capacity: 300 gallons.
- 3. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
- 4. Uniform Wall Thickness: 3/8 inch.
- 5. Above or below ground installation.
- 6. Plaster retention baffle with elevated 3-inch-diameter passageway.
- 7. Adjustable lid system.
- 8. Sample port access.
- 9. 4-inch no-hub inlet and outlet connections.
- 10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
- 11. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 17.5 inches (445 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify plaster interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

- 12. Plaster Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. 6-inch no-hub inlet and outlet.
 - f. Membrane clamp kit.
 - g. 4-inch no-hub inlet on left-hand side.
 - h. 4-inch no-hub outlet on left-hand side.
 - i. 4-inch no-hub inlet on right-hand side.
 - j. 4-inch no-hub outlet on right-hand side.
 - k. 4-inch remote pump outlet connections on top of interceptor.
 - l. External sample port.
 - m. External sample port, offset.
 - n. Female threaded connections.

2.6 HDPE LINT INTERCEPTORS

A. Lint Interceptors: "Big Max Model XL-MI-LINT-PL-140" HDPE lint interceptors.

- 1. Liquid Holding Capacity: 140 gallons.
- 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).

3. Uniform Wall Thickness: 3/8 inch.
4. Above or below ground installation.
5. Dual strainer baffles with 1/4-inch perforations.
6. Deep seal trap covered by lid.
7. Adjustable lid system.
8. Sample port access.
9. 4-inch no-hub inlet and outlet connections.
10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
11. Overall Dimensions:
 - a. Length: 50 inches (1,267 mm).
 - b. Width: 33.5 inches (851 mm).
 - c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify lint interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

12. Lint Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. 6-inch no-hub inlet and outlet.
 - f. Membrane clamp kit.
 - g. 4-inch no-hub inlet on left-hand side.
 - h. 4-inch no-hub outlet on left-hand side.
 - i. 4-inch no-hub inlet on right-hand side.
 - j. 4-inch no-hub outlet on right-hand side.
 - k. 4-inch remote pump outlet connections on top of interceptor.
 - l. External sample port.
 - m. External sample port, offset.
 - n. Female threaded connections.

B. Lint Interceptors: "Big Max Model XL-MI-LINT-PL-300" HDPE lint interceptors.

1. Liquid Holding Capacity: 300 gallons.
2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
3. Uniform Wall Thickness: 3/8 inch.
4. Above or below ground installation.
5. Dual strainer baffles with 1/4-inch perforations.
6. Deep seal trap covered by lid.
7. Adjustable lid system.
8. Sample port access.
9. 4-inch no-hub inlet and outlet connections.
10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.

11. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 33.5 inches (851 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify lint interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

12. Lint Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. 6-inch no-hub inlet and outlet.
 - f. Membrane clamp kit.
 - g. 4-inch no-hub inlet on left-hand side.
 - h. 4-inch no-hub outlet on left-hand side.
 - i. 4-inch no-hub inlet on right-hand side.
 - j. 4-inch no-hub outlet on right-hand side.
 - k. 4-inch remote pump outlet connections on top of interceptor.
 - l. External sample port.
 - m. External sample port, offset.
 - n. Female threaded connections.

2.7 HDPE SAND INTERCEPTORS

- A. Sand Interceptors: "Big Max Model XL-MI-SAND-PL-140" HDPE sand interceptors.
 1. Liquid Holding Capacity: 140 gallons.
 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 3. Uniform Wall Thickness: 3/8 inch.
 4. Above or below ground installation.
 5. Sand retention baffle with elevated 3-inch-diameter passageway.
 6. Adjustable lid system.
 7. Sample port access.
 8. 4-inch no-hub inlet and outlet connections.
 9. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
 10. Overall Dimensions:
 - a. Length: 50 inches (1,267 mm).
 - b. Width: 33.5 inches (851 mm).
 - c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify sand interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

11. Sand Interceptor Options:

- a. High water anchor kit (set of 4).
- b. Lid extension for maximum 44-inch-high extension system.
- c. Lid extension from 44 inches to 72 inches.
- d. Ductile iron lid and collar.
- e. 6-inch no-hub inlet and outlet.
- f. Membrane clamp kit.
- g. 4-inch no-hub inlet on left-hand side.
- h. 4-inch no-hub outlet on left-hand side.
- i. 4-inch no-hub inlet on right-hand side.
- j. 4-inch no-hub outlet on right-hand side.
- k. 4-inch remote pump outlet connections on top of interceptor.
- l. External sample port.
- m. External sample port, offset.
- n. Female threaded connections.

B. Sand Interceptors: "Big Max Model XL-MI-SAND-PL-300" HDPE sand interceptors.

- 1. Liquid Holding Capacity: 300 gallons.
- 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
- 3. Uniform Wall Thickness: 3/8 inch.
- 4. Above or below ground installation.
- 5. Sand retention baffle with elevated 3-inch-diameter passageway.
- 6. Adjustable lid system.
- 7. Sample port access.
- 8. 4-inch no-hub inlet and outlet connections.
- 9. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
- 10. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 33.5 inches (851 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify sand interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

- 11. Sand Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. 6-inch no-hub inlet and outlet.
 - f. Membrane clamp kit.
 - g. 4-inch no-hub inlet on left-hand side.
 - h. 4-inch no-hub outlet on left-hand side.
 - i. 4-inch no-hub inlet on right-hand side.
 - j. 4-inch no-hub outlet on right-hand side.
 - k. 4-inch remote pump outlet connections on top of interceptor.
 - l. External sample port.

- m. External sample port, offset.
- n. Female threaded connections.

2.8 HDPE FISH SCALE INTERCEPTORS

- A. Fish Scale Interceptors: "Big Max Model XL-MI-FISH-PL-140" HDPE fish scale interceptors.
 - 1. Liquid Holding Capacity: 140 gallons.
 - 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 - 3. Uniform Wall Thickness: 3/8 inch.
 - 4. Above or below ground installation.
 - 5. Dual strainer baffles with 1/4-inch perforations.
 - 6. Deep seal trap covered by lid.
 - 7. Adjustable lid system.
 - 8. Sample port access.
 - 9. 4-inch no-hub inlet and outlet connections.
 - 10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
 - 11. Overall Dimensions:
 - a. Length: 50 inches (1,267 mm).
 - b. Width: 33.5 inches (851 mm).
 - c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify fish scale interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

- 12. Fish Scale Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. 6-inch no-hub inlet and outlet.
 - f. Membrane clamp kit.
 - g. 4-inch no-hub inlet on left-hand side.
 - h. 4-inch no-hub outlet on left-hand side.
 - i. 4-inch no-hub inlet on right-hand side.
 - j. 4-inch no-hub outlet on right-hand side.
 - k. 4-inch remote pump outlet connections on top of interceptor.
 - l. External sample port.
 - m. External sample port, offset.
 - n. Female threaded connections.

- B. Fish Scale Interceptors: "Big Max Model XL-MI-FISH-PL-300" HDPE fish scale interceptors.
 - 1. Liquid Holding Capacity: 300 gallons.
 - 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 - 3. Uniform Wall Thickness: 3/8 inch.
 - 4. Above or below ground installation.
 - 5. Dual strainer baffles with 1/4-inch perforations.

6. Deep seal trap covered by lid.
7. Adjustable lid system.
8. Sample port access.
9. 4-inch no-hub inlet and outlet connections.
10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
11. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 33.5 inches (851 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify fish scale interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

12. Fish Scale Interceptor Options:
 - a. High water anchor kit (set of 4).
 - b. Lid extension for maximum 44-inch-high extension system.
 - c. Lid extension from 44 inches to 72 inches.
 - d. Ductile iron lid and collar.
 - e. 6-inch no-hub inlet and outlet.
 - f. Membrane clamp kit.
 - g. 4-inch no-hub inlet on left-hand side.
 - h. 4-inch no-hub outlet on left-hand side.
 - i. 4-inch no-hub inlet on right-hand side.
 - j. 4-inch no-hub outlet on right-hand side.
 - k. 4-inch remote pump outlet connections on top of interceptor.
 - l. External sample port.
 - m. External sample port, offset.
 - n. Female threaded connections.

2.9 HDPE RICE INTERCEPTORS

- A. Rice Interceptors: "Big Max Model XL-MI-RICE-PL-140" HDPE rice interceptors.
 1. Liquid Holding Capacity: 140 gallons.
 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
 3. Uniform Wall Thickness: 3/8 inch.
 4. Above or below ground installation.
 5. Dual strainer baffles with 1/4-inch perforations.
 6. Deep seal trap covered by lid.
 7. Adjustable lid system.
 8. Sample port access.
 9. 4-inch no-hub inlet and outlet connections.
 10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
 11. Overall Dimensions:

- a. Length: 50 inches (1,267 mm).
- b. Width: 33.5 inches (851 mm).
- c. Height: 49.75 inches (1,263 mm).

Specifier Notes: Specify rice interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

12. Rice Interceptor Options:

- a. High water anchor kit (set of 4).
- b. Lid extension for maximum 44-inch-high extension system.
- c. Lid extension from 44 inches to 72 inches.
- d. Ductile iron lid and collar.
- e. 6-inch no-hub inlet and outlet.
- f. Membrane clamp kit.
- g. 4-inch no-hub inlet on left-hand side.
- h. 4-inch no-hub outlet on left-hand side.
- i. 4-inch no-hub inlet on right-hand side.
- j. 4-inch no-hub outlet on right-hand side.
- k. 4-inch remote pump outlet connections on top of interceptor.
- l. External sample port.
- m. External sample port, offset.
- n. Female threaded connections.

B. Rice Interceptors: "Big Max Model XL-MI-RICE-PL-300" HDPE rice interceptors.

- 1. Liquid Holding Capacity: 300 gallons.
- 2. Body: Seamless, rotational-molded, high-density polyethylene (HDPE).
- 3. Uniform Wall Thickness: 3/8 inch.
- 4. Above or below ground installation.
- 5. Dual strainer baffles with 1/4-inch perforations.
- 6. Deep seal trap covered by lid.
- 7. Adjustable lid system.
- 8. Sample port access.
- 9. 4-inch no-hub inlet and outlet connections.
- 10. Steel-Encased Composite Lid:
 - a. Water and gas-tight seal.
 - b. Minimum Load Capacity: 20,000 lbs.
 - c. Meets loading requirements of AASHTO H20.
- 11. Overall Dimensions:
 - a. Length: 83 inches (2,108 mm).
 - b. Width: 33.5 inches (851 mm).
 - c. Height: 62.5 inches (1,590 mm).

Specifier Notes: Specify rice interceptor options as required for the Project. Delete options not required. Consult MIFAB, Inc. for more information.

12. Rice Interceptor Options:

- a. High water anchor kit (set of 4).
- b. Lid extension for maximum 44-inch-high extension system.

- c. Lid extension from 44 inches to 72 inches.
- d. Ductile iron lid and collar.
- e. 6-inch no-hub inlet and outlet.
- f. Membrane clamp kit.
- g. 4-inch no-hub inlet on left-hand side.
- h. 4-inch no-hub outlet on left-hand side.
- i. 4-inch no-hub inlet on right-hand side.
- j. 4-inch no-hub outlet on right-hand side.
- k. 4-inch remote pump outlet connections on top of interceptor.
- l. External sample port.
- m. External sample port, offset.
- n. Female threaded connections.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive interceptors.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin installation until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Install interceptors in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install interceptors plumb, level, and to correct elevation.
- C. Install interceptors using manufacturer's supplied options and hardware.
- D. Remove and replace with new material, damaged components that cannot be successfully repaired, as determined by Architect.

3.3 PROTECTION

- A. Protect installed interceptors from damage during construction.

END OF SECTION