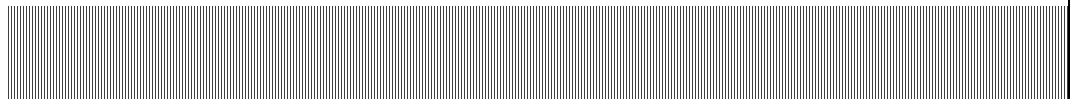

Appendix C – WPCF Concrete Inspection Photograph Log



Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 1

**Description: East Wall
General Condition**

**Location: Headworks
Building**

**Area: Exterior Influent
Channel**

Direction: East

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 2

**Description: West
Wall General
Condition**

**Location: Headworks
Building**

**Area: Influent
Channel**

Direction: West

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 3

**Description: Exterior
Influent Grating
Supports, East Wall**

**Location: Headworks
Building**

**Area: Influent
Channel**

Direction: East

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 4

**Description: East Wall
Exposed Aggregate**

**Location: Headworks
Building**

**Area: Influent
Channel**

Direction: Northeast

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 5

**Description: Dividing
Wall Exposed
Aggregate**

**Location: Headworks
Building**

**Area: Influent
Channel**

Direction: North



Photo No.: 6

**Description: East Wall
Exposed Aggregate**

**Location: Headworks
Building**

**Area: Screw
Conveyor**

Direction: East

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 7

**Description: East Wall
Exposed Aggregate
and Spalling**

**Location: Headworks
Building**

**Area: Diversion
Channel**

Direction: Southeast

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 8

**Description: North
and West Wall
General Condition
and Soft Concrete
From Grade**

**Location: Headworks
Building**

**Area: East Grit
Chamber**

Direction: Northwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 9

**Description: North
Wall and Influent Gate
Opening. General
Condition and Soft
Concrete From Grade**

**Location: Headworks
Building**

**Area: East Grit
Chamber**

Direction: Northwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 10

**Description: East Wall
General Condition
and Hollow/Soft
Concrete From Grade**

**Location: Headworks
Building**

**Area: East Grit
Chamber**

Direction: Southeast

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 11

**Description: Effluent
Gate, Adjacent
Concrete Spalling and
Soft Concrete**

**Location: Headworks
Building**

**Area: East Grit
Chamber, Effluent
Gate**

Direction: East

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 12

**Description: East Wall
and Influent Gate
Opening General
Condition with
Spalling and Soft
Concrete**

**Location: Headworks
Building**

**Area: East Grit
Chamber**

Direction: Northwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 13

**Description: Grit
Chamber Screen
Attachment to Wall**

**Location: Headworks
Building**

**Area: East Grit
Chamber**

Direction: South

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 14

**Description: South
Wall, Beam, and
Screen Paraphernalia**

**Location: Headworks
Building**

**Area: East Grit
Chamber**

Direction: Southwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 15

**Description: General
Condition and
Exposed Aggregate**

**Location: Headworks
Building**

**Area: Effluent
Channel for West Grit
Chamber**

Direction: South

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 16

**Description: General
Condition and
Exposed Aggregate**

**Location: Headworks
Building**

**Area: Effluent
Channel for West Grit
Chamber**

Direction: North

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 17

**Description: Exposed
Aggregate and
Corroded Steel
Appurtenances**

**Location: Headworks
Building Manhole**

**Area: Grit Screening
Effluent Manhole**

Direction: Southeast



Photo No.: 18

**Description: Exposed
Aggregate and
Corroded Steel
Appurtenances**

**Location: Headworks
Building Manhole**

**Area: Grit Screening
Effluent Manhole**

Direction: Northeast

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 19

Description: Exposed Aggregate and Efflorescence Staining

Location: Headworks Building Manhole

Area: Grit Screening Effluent Manhole

Direction: Southwest



Photo No.: 20

Description: General Photo

Location: Primary Settling Tank 1 and 2

Area: Effluent Channel

Direction: Southeast

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 21

Description: Exposed
Aggregate and
Exposed Reinforcing

Location: Primary
Settling Tank 1 and 2

Area: Effluent
Channel

Direction: Northwest



Photo No.: 22

Description: Exposed
Aggregate

Location: Primary
Settling Tank 1 and 2

Area: Effluent
Channel

Direction: Southwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 23

**Description: Exposed
Aggregate and
Spalling**

**Location: Primary
Settling Tank 3 and 4**

**Area: Effluent
Channel**

Direction: Southeast

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 24

**Description: Exposed
Aggregate and
Spalling.**

**Location: Primary
Settling Tank 3 and 4**

**Area: Effluent
Channel**

Direction: Southwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 25

**Description: Manhole
Frame Section Loss
and Exposed
Aggregate**

**Location: Top of
Manhole**

**Area: Primary Settling
Tank Effluent
Manhole**

Direction: Southwest



Photo No.: 26

**Description: Exposed
Aggregate, Exposed
Reinforcing and
Spalling at Water
Level**

**Location: Top of
Manhole**

**Area: Primary Settling
Tank Effluent
Manhole**

Direction: East

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 27

Description: Exposed Reinforcing and Spalling at Water Level

Location: Top of Manhole

Area: Primary Settling Tank Effluent Manhole

Direction: Southeast



Photo No.: 28

Description: Wall Spalling Exposing Reinforcing with Section Loss

Location: Primary Flow Splitting Structure

Area: Northeast Grating Section

Direction: North

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 29

Description: Wall Spalling Exposing Reinforcing with Section Loss

Location: Primary Flow Splitting Structure

Area: Northeast Grating Section

Direction: South



Photo No.: 30

Description: Wall Spalling Exposing Reinforcing with Section Loss

Location: Primary Flow Splitting Structure

Area: Southeast Grating Section

Direction: North

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 31

**Description: Wall
Spalling Exposing
Reinforcing with
Section Loss**

**Location: Primary
Flow Splitting
Structure**

**Area: Southeast
Grating Section**

Direction: South



Photo No.: 32

**Description: Wall
Spalling Exposing
Reinforcing with
Section Loss**

**Location: Primary
Flow Splitting
Structure**

**Area: Center Grating
Section**

Direction: Southwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 33

**Description: Wall
Spalling Exposing
Reinforcing with
Section Loss**

**Location: Primary
Flow Splitting
Structure**

**Area: Center Grating
Section**

Direction: West



Photo No.: 34

**Description: Wall
Spalling Exposing
Reinforcing with
Section Loss**

**Location: Primary
Flow Splitting
Structure**

**Area: Northwest
Grating Section**

Direction: North

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 35

**Description: Wall
Spalling Exposing
Reinforcing with
Section Loss**

**Location: Primary
Flow Splitting
Structure**

**Area: Northwest
Grating Section**

Direction: Northeast

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 36

**Description: General
Structure Top Slab**

**Location: Primary
Flow Splitting
Structure**

Area: Top Slab

Direction: Northwest

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021



Photo No.: 37

**Description: Wall
General Condition,
Several Cracks with
Efflorescence
Staining**

**Location: Primary
Flow Splitting
Structure**

Area: North Wall

Direction: South

Project: East Providence, RI WPCF - Structural Assessment and Rehabilitation Design
Date: September 8th, 2021

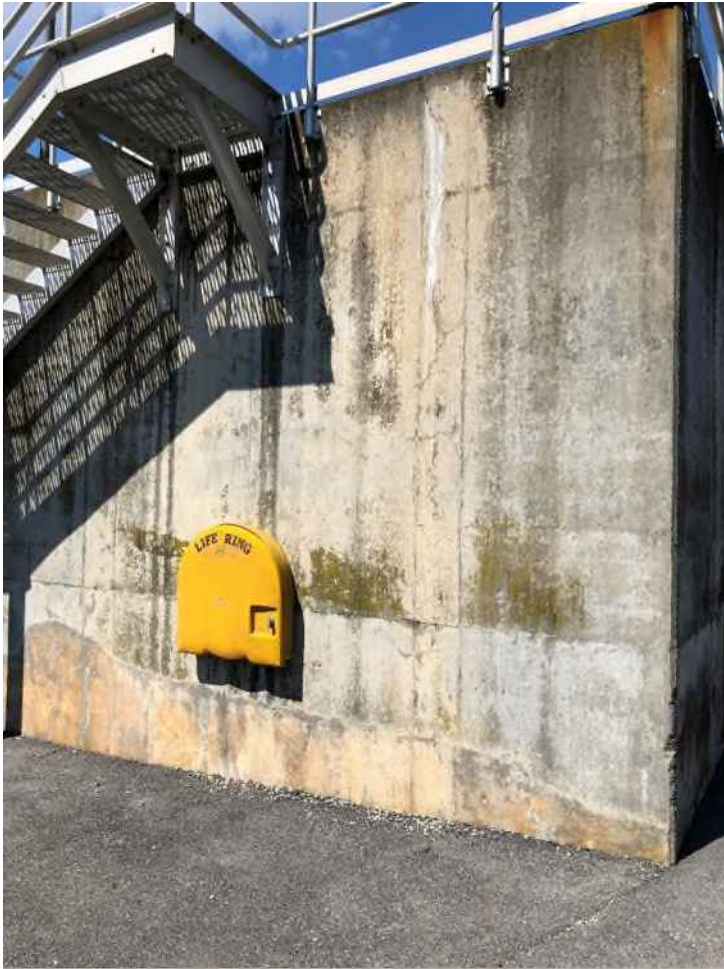


Photo No.: 38

**Description: Wall
General Condition,
Several Cracks with
Efflorescence
Staining**

**Location: Primary
Flow Splitting
Structure**

Area: South Wall

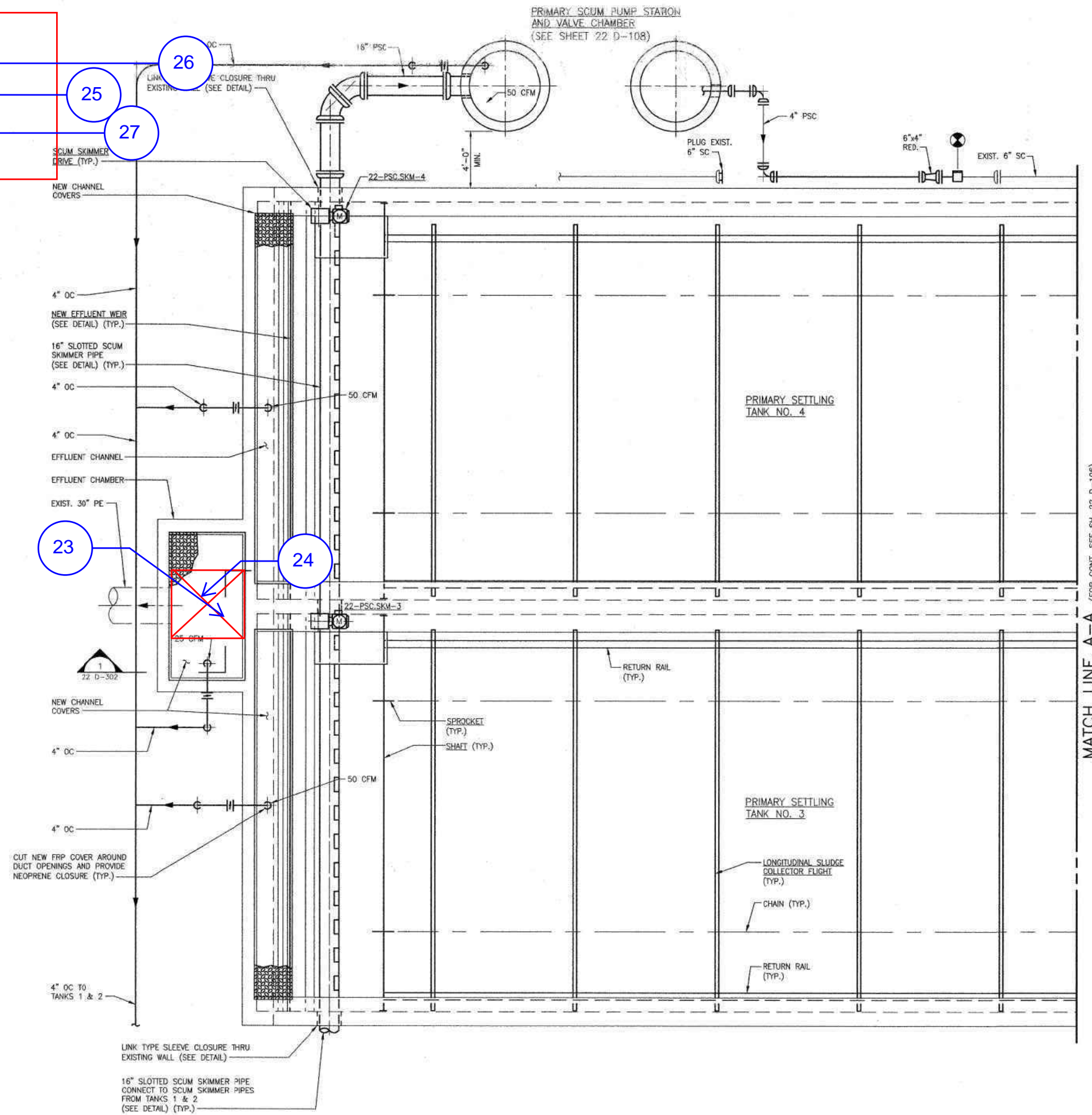
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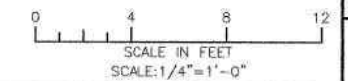
NOTE: This record drawing has been prepared based on modifying the conformed drawing to incorporate documented changes made during the construction. While reasonable efforts have been made to ensure accuracy and completeness, the location, size and configuration of the work should be field verified prior to any re-use of this information.

7'-0" x 7'-0" Vault



NOTES:

1. FOR CONTINUATION OF OUTSIDE PIPING SEE CIVIL DRAWINGS.



CITY OF EAST PROVIDENCE, RHODE ISLAND
EAST PROVIDENCE DP-2

PRIMARY SETTLING TANKS 3 & 4 MODIFICATIONS - UPPER PLAN II

MECHANICAL PROCESS

PROJECT NO: 60148648
CAD DWG FILE: 22 D-107
DESIGNED BY: C. GALLIGAN
DRAWN BY: M. BENSON
DEPT CHECK: K. RACAN
PROJ CHECK: S. THIBAUT
DATE: OCTOBER 2012
SCALE: AS NOTED

22 D-107

AECOM USA, INC.
701 EDgewater DRIVE
WAKEFIELD, MA 01880
PHONE (781) 246-5200

AECOM

CHRISTOPHER F. GALLIGAN
No. 7837
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL

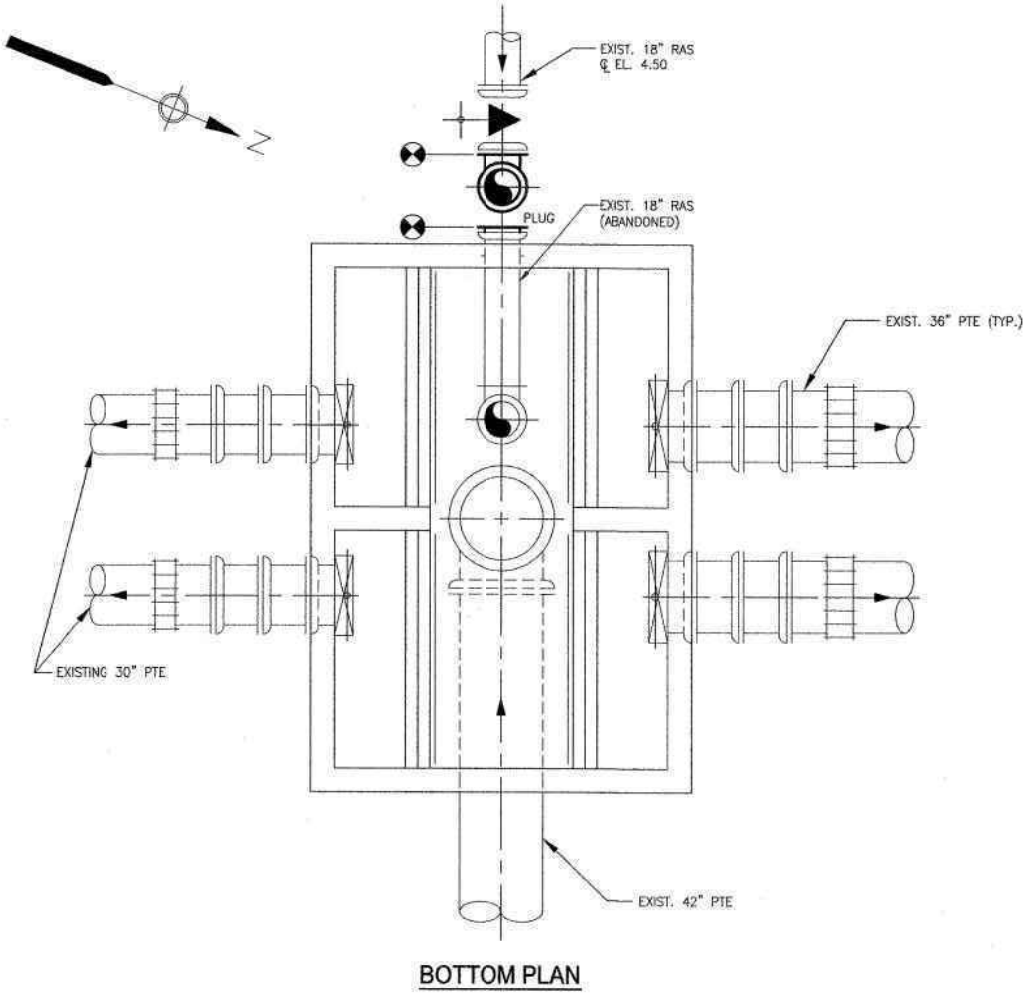
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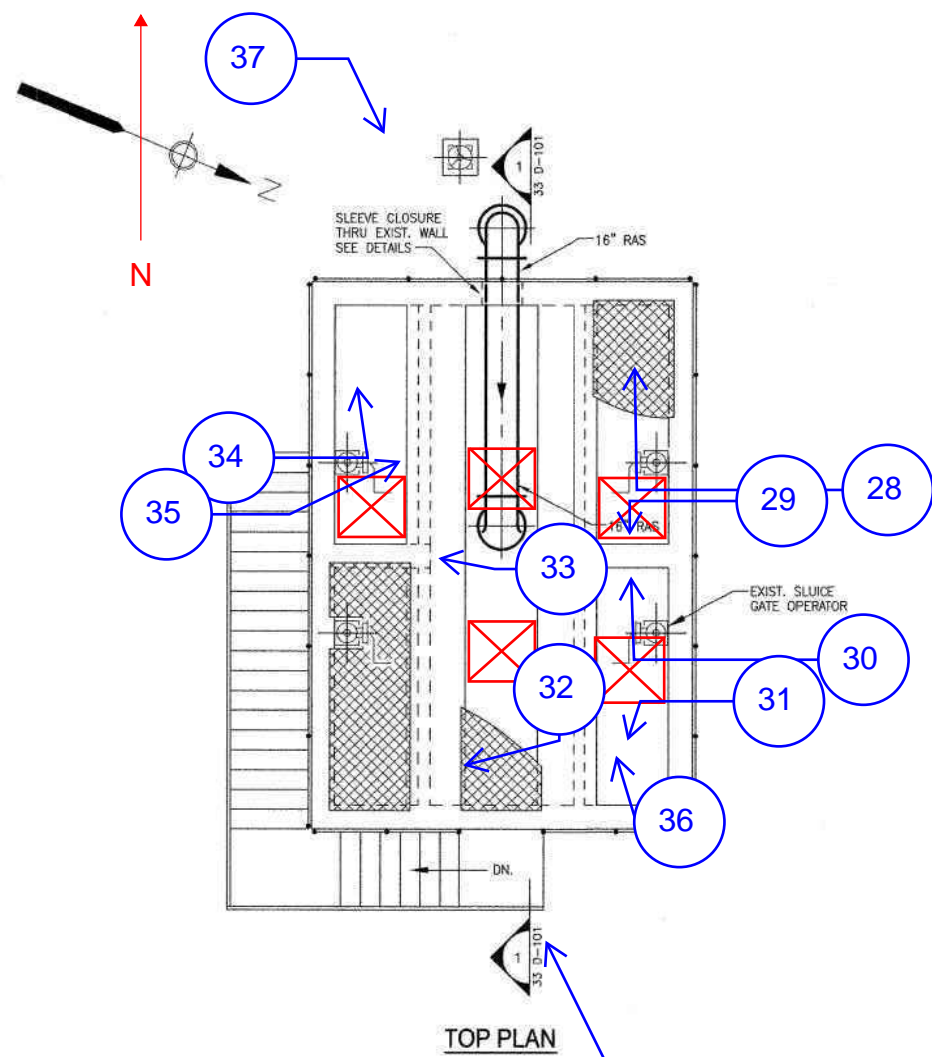
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LAST UPDATE: Monday, October 08, 2012 2:29:57 PM
PLT DATE: Tuesday, October 23, 2012 2:12:11 PM
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RECORD DRAWING

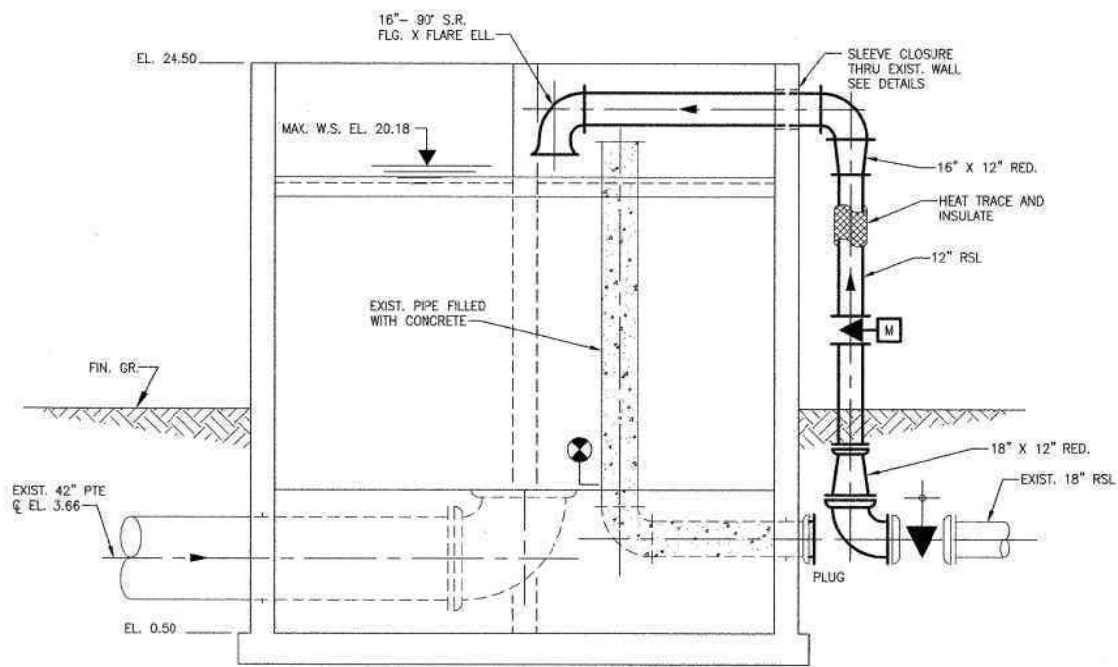
NOTE: This record drawing has been prepared based on modifying the confirmed drawing to incorporate documented changes made during the construction. While reasonable efforts have been made to ensure accuracy and completeness, the location, size and configuration of the work should be field verified prior to any re-use of this information.



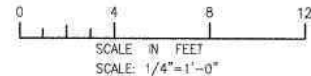
BOTTOM PLAN



TOP PLAN



SECTION 1
SCALE: 1/4"=1'-0" 33 D-101



CITY OF EAST PROVIDENCE, RHODE ISLAND EAST PROVIDENCE DP-3		RECORD DRAWINGS		REVISIONS	
PROJECT NO: 60148648		DATE: 10/19/12		MARK: 1	
CAD DWG FILE: 33 D-101		SAC: CFC		MADE BY: CHECKED	
DESIGNED BY: _____		DATE: 10/19/12		REVISOR: _____	
DRAWN BY: _____		DATE: 10/19/12		REVISOR: _____	
DEPT CHECK: _____		DATE: 10/19/12		REVISOR: _____	
PROJ CHECK: S. THIBAUT		DATE: 10/19/12		REVISOR: _____	
SCALE: AS NOTED		DATE: 10/19/12		REVISOR: _____	
33 D-101		DATE: 10/19/12		REVISOR: _____	

AECOM

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CHRISTOPHER F. GALLIGAN
No. 7837
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL

PRIMARY FLOW SPLITTING STRUCTURE
MODIFICATION PLANS AND SECTION
MECHANICAL PROCESS