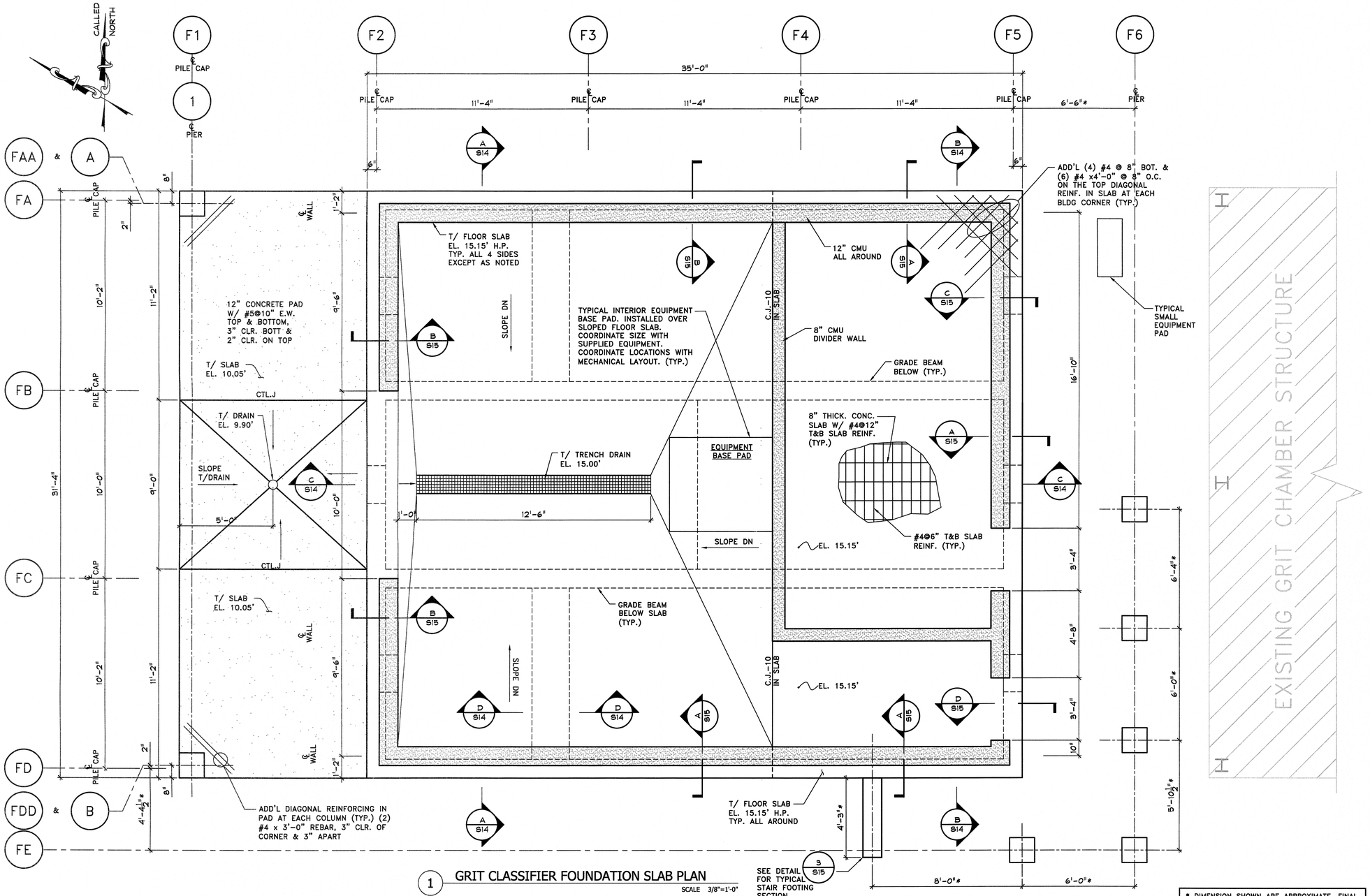
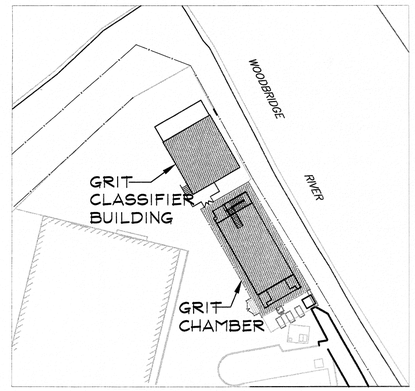


1 GRIT CLASSIFIER FOUNDATION SLAB PLAN

SCALE 3/8"=1'-0"



KEYPLAN

N.T.S

H EXISTING GRIT CHAMBER STRUCTURE H

STRUCTURAL DESIGN CRITERIA (IBC SECTION 1600):

OCCUPANCY CATEGORY – III
COLLATERAL ROOF DEAD LOADS: 5 PSF
EQUIPMENT AND PIPING LOADS – PER APPROVED VENDOR DWGS
FLOOR LIVE LOAD: 125 PSF OR CONCENTRATED LOAD OF 3000#
GRATING, PLATFORM & LANDING LIVE LOAD: 125 PSF OR CONCENTRATED LOAD OF 500#
STAIR TREADS: 100 PSF OR CONCENTRATED LOAD OF 300#

ROOF LIVE LOADS:
SNOW – Pf = 30 PSF (CONSERVATIVE)
Ce = 0.9, Is = 1.1, Ct = 1.0

WIND LOADS:
1. DESIGN WIND SPEED = 115 MPH
2. IMPORTANCE FACTOR Iw =1.15
3. EXPOSURE = B

SEISMIC LOADS:
1. Ie =1.25
2. Ss =0.265
3. S1 =0.070
4. SITE CLASS = D
4. Sds =0.280
5. Sd1 =0.111
6. SEISMIC DESIGN CATEGORY = B

SEISMIC NON-STRUCTURAL COMPONENTS (ASCE 7-2005, CHAPTER 13):
MECHANICAL & ELECTRICAL COMPONENTS ARE EXEMPT PER 1621.1.1, EXEMPTION 3 AS THIS IS SEISMIC DESIGN CATEGORY B

ARCHITECTURAL COMPONENTS REQUIRING SEISMIC DESIGN: NONE

HANDRAIL AND GUARDRAIL SYSTEMS SHALL BE DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 200lb AND 50plf IN ACCORDANCE WITH SECTION 4.5.1 OF ASCE 7.

* DIMENSION SHOWN ARE APPROXIMATE. FINAL LAYOUT SHALL BE VERIFY WITH APPROVED FPR PLATFORM SHOP DRAWINGS. CENTER OF FOOTING SHALL MATCH CENTER OF FRP PLATFORM COLUMNS.

NOTES:

1. FOR CONCRETE CONSTRUCTION NOTES, INTERIOR EQUIPMENT BASE PAD, JOINT DETAILS, PIPE BOLLARD AND OTHER STANDARD DETAILS SEE SHEET S01.
2. ALL CONCRETE SHALL BE CLASS E CONCRETE W/ FIBERMESH 150 @ 1.5 lb/CY BY PROPEX CONCRETE SYSTEM.
3. FOR LOCATIONS OF PENETRATIONS, SEE INDIVIDUAL DISCIPLINES DRAWINGS. FOR TYPICAL SLAB PENETRATION DETAILS SEE SHEET S01.
4. SEE SITE PLAN C02 FOR EXTERIOR CONCRETE T/ PAD ELEVATIONS AND FINAL GRADING ELEVATION.
5. SEE E-SERIES DRAWINGS FOR LOCATIONS OF CONCRETE PADS FOR ELECTRICAL EQUIPMENT.

APPROVED: 4/13/17

Richard A. Alaimo
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 13195

REVISIONS	DATE	BY
1. GENERAL	4/13/17	DJS

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2 MARKET STREET PATERSON, N.J.

GRIT CHAMBER UPGRADE

GRIT CLASSIFIER BUILDING FOUNDATION SLAB PLAN

SCALE: AS NOTED

CLIENT: WOODBRIDGE TOWNSHIP
PROJECT LOCATION: WOODBRIDGE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY
PROJECT NO.: B-0726-0023-000
CONTRACT NO.: 1230

DATE: APRIL 2017
DESIGNED BY: PG
DRAWN BY: PG
CHECKED BY:
DEPT. HEAD:

SHEET S12

FILE NO.:

Plotted: 4/12/2017 4:56 PM Last saved: 4/12/2017 4:56 PM File Name: K:\Projects\B0726002300\Drawings\Edy-S12_Grit_Classifier_Building_Foundation_Slab_Plan.dwg