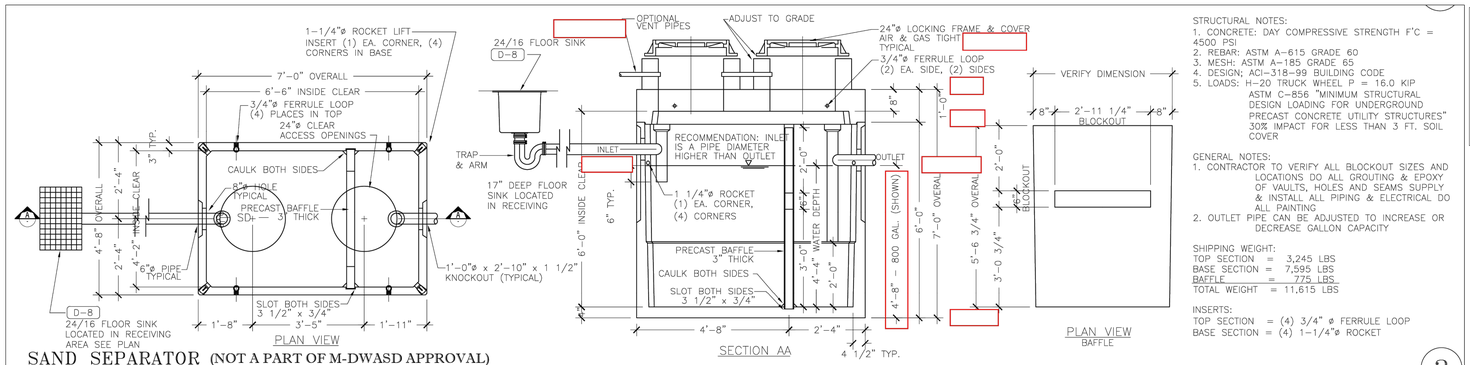


SAND SEPARATOR (NOT A PART OF M-DWASD APPROVAL)

SCALE: NONE

STRUCTURAL NOTES:
1. CONCRETE: DAY COMPRESSIVE STRENGTH F'C = 4500 PSI
2. REBAR: ASTM A-615 GRADE 60
3. MESH: ASTM A-185 GRADE 65
4. DESIGN: ACI-318-99 BUILDING CODE
5. LOADS: H-20 TRUCK WHEEL P = 16.0 KIP ASTM C-856 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES" 30% IMPACT FOR LESS THAN 3 FT. SOIL COVER

GENERAL NOTES:
1. CONTRACTOR TO VERIFY ALL BLOCKOUT SIZES AND LOCATIONS DO ALL GROUTING & EPOXY OF VAULTS, HOLES AND SEAMS SUPPLY & INSTALL ALL PIPING & ELECTRICAL DO ALL PAINTING
2. OUTLET PIPE CAN BE ADJUSTED TO INCREASE OR DECREASE GALLON CAPACITY

SHIPPING WEIGHT:
TOP SECTION = 3,245 LBS
BASE SECTION = 7,595 LBS
BAFFLE = 775 LBS
TOTAL WEIGHT = 11,615 LBS

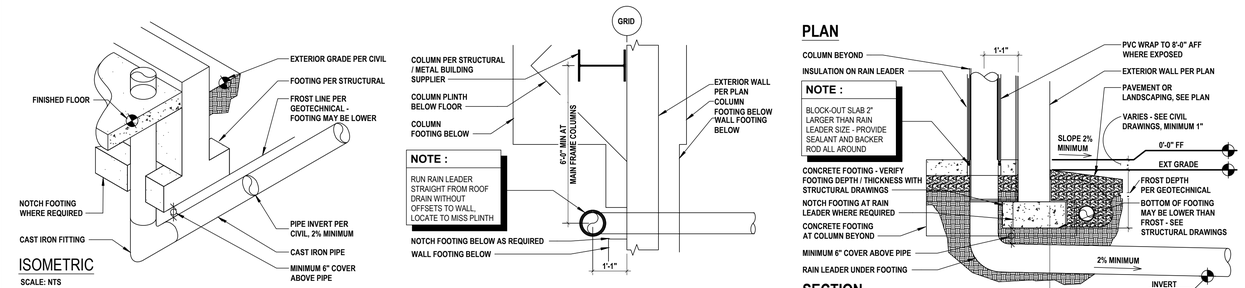
INSERTS:
TOP SECTION = (4) 3/4" ø FERRULE LOOP
BASE SECTION = (4) 1-1/4"ø ROCKET

2

SAND OIL SEPARATOR SIZING CALCULATIONS:

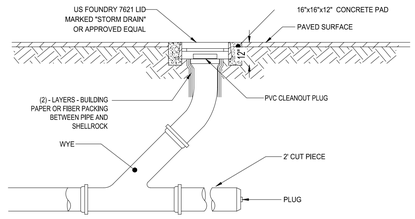
PER FLORIDA BUILDING CODE PLUMBING SECTION 1003.4.2.2
6 CF FOR THE FIRST 100 SF OF AREA TO BE DRAINED PLUS
1 CF FOR EACH ADDITIONAL 100 SF OF AREA TO BE DRAINED.

20,804 SF TO BE DRAINED
6 CF + (20,804-100/100) X 1 CF
6 CF + (207.04) X 1 CF= 213.04 CF
213.04 CF X 7.48=1,594 GALLON SEPARATOR REQUIRED
(2) 800-GALLON SEPARATOR(S) PROVIDED



RAIN LEADER INVERT ELEVATION - DETAIL 07_06

NTS



13 TYPICAL CLEANOUT IN ASPHALT OR CONCRETE

COSTCO WHOLESALE
POMPANO BEACH

COSTCO WHOLESALE CORPORATION
999 LAKE DRIVE
ISSAQUAH, WA 98027
T: 425.313.8100
www.costco.com

THOMAS ENGINEERING GROUP
6300 NW 31st AVENUE
FORT LAUDERDALE, FL 33309
PH: (954) 202-7000
www.ThomasEngineeringGroup.com

40 20 10 0 40
1"= 40'

Matthew J Cigale
Digitally signed by Matthew J Cigale
DN: c=US, o=Unaffiliated, dnQualifier=A01410C00000192E2C7B6CB00090EEC, cn=Matthew J Cigale
Date: 2025.10.29 13:26:40 -04'00'
October 29, 2025
FLORIDA BUSINESS CERTIFICATE #AAC

△	DATE	DESCRIPTION

F240051
OCT. 29, 2025

PAVING, GRADING & DRAINAGE DETAILS

C-09

DRC
PZ25-12000023
12/02/2025

COSTCO - POMPANO BEACH
POMPANO BEACH, FLORIDA

PAVING, GRADING & DRAINAGE DETAILS

OCT. 29, 2025

C:\COSTCO\2024\F240051 - COSTCO - POMPANO BEACH\DWG\FINAL ENGINEERING PLANS\F240051-SITE ENG DETAILS------XLAYOUT- SITE PLAN