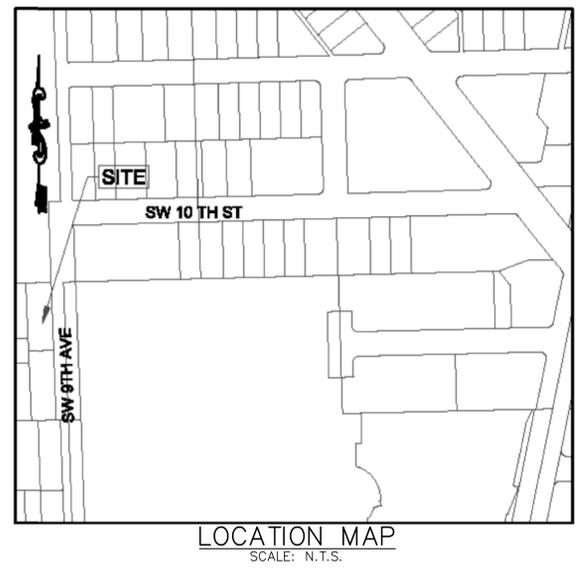
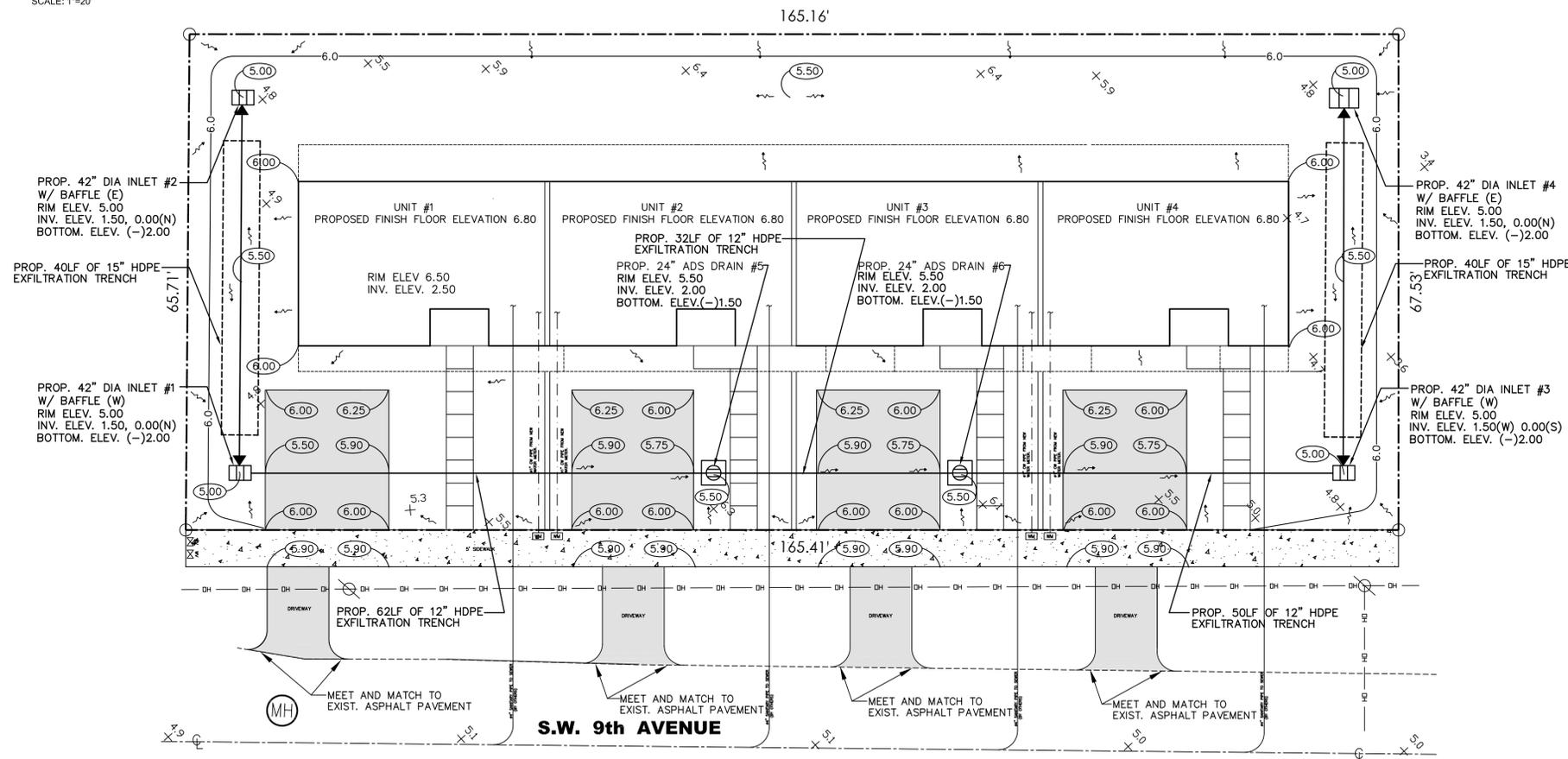




SCALE: 1"=20'



REV. #	DESCRIPTION	DATE
1		
2		
3		
4		
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6		
7		
8		

JCM CONSULTANTS, INC.
ENGINEERING + LAND PLANNING

8401 S.W. 18th STREET
MIAMI, FLORIDA 33157
PH: (305) 772-0088
FAX: (305) 278-1118

PROJECT	OWNER
PROPOSED TOWNHOUSES S.W. 9TH AVENUE POMPANO BEACH, FLORIDA	

PAVING, GRADING AND DRAINAGE PLANS

GRADING AND DRAINAGE LEGEND

- ① STRUCTURE DESIGNATION
- ▬ INLET W/ 15" PE EXFILTRATION TRENCH
- ◀ POLLUTION RETARDANT BAFFLE
- 9.75 PROPOSED ELEVATIONS
- 10.00 EXISTING ELEVATIONS
- PROPOSED TYPE 'D' CURB
- PROPOSED VALLEY GUTTER
- ▨ DENOTES CONCRETE SIDEWALK
- DENOTES PROPOSED ASPHALT PAVEMENT

LEGAL DESCRIPTION

LOT 1 BLOCK 4, OF FAIRVIEW ADDITION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 11, PAGE 27, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA TOGETHER WITH N1/2 VACATED SW 11 ST ADJACENT TO SAID LOT OR 99-60 BLK 4

- SITE NOTES:**
- REFER TO LANDSCAPE PLANS FOR EXISTING, NEW AND RELOCATED TREES.
 - MAINTAIN A MAXIMUM OF 4:1 SLOPE ON SWALE AREAS

ELEVATIONS REFER TO NAVD DATUM

- LEGEND**
- +5.0 EXISTING ELEVATIONS
 - 5.0 PROPOSED CONTOUR ELEVATIONS
 - RUNOFF DIRECTION

NOTE:

CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. IN PARTICULAR, SEDIMENT AND EROSION CONTROLS AND STORM WATER MANAGEMENT MEASURES SHALL BE STRICTLY FOLLOWED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION, SEDIMENTATION AND STORM WATER MANAGEMENT MEASURES FOR THE DURATION OF THE PROJECT. ONCE THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY STORM WATER MANAGEMENT MEASURES AND SHALL DISPOSE THEM ACCORDING TO CODE.



- NOTES**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF MIAMI PUBLIC WORKS AND FLORIDA BUILDING CODE LATEST EDITIONS.
 - CONTRACTOR SHALL COORDINATE WITH ALL UTILITY OWNERS FOR ALL REQUIRED ADJUSTMENTS AND/OR RELOCATIONS.
 - NO DEVIATION FROM APPROVED PLANS SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OF RECORD.
 - ENGINEERING PERSONEL WILL INSPECT ALL FACILITIES APPROVED BY THEIR OFFICE. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCY SHALL BE IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS.
 - ERECTION OR INSTALLATION OF APPROPRIATE SAFETY AND WARNING DEVICES WILL BE REQUIRED DURING THE COURSE OF CONSTRUCTION. SAID DEVICES WILL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION'S "MANUAL ON TRAFFIC CONTROL AND SAFETY PRACTICES"

NOTE:

THE EXISTING UTILITIES SHOWN IN THE PLANS WERE PLOTTED FROM THE BEST AVAILABLE INFORMATION. HOWEVER, NO ASSURANCES ARE MADE FOR THEIR ACCURACY. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA OF WORK BEFORE BEGINNING CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN ON THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. IF THERE BE "OTHER" UTILITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.

Digitally signed by Juan Muniz
Date: 2023.09.14
21:45:10 -04'00'



REGISTRATION No. 55484
C.A. 00008703

PROJECT No.:	2023-36
DESIGNED BY:	J.C.M.
DRAWN BY:	J.C.M.
CHECKED BY:	J.C.M.
ISSUE DATE:	07-17-2023
DRAWN AT SCALE:	AS SHOWN

PZ23-12000050
03/20/2024

2499CGP
APPROX. DRAIN AREA = 164.10 SQ IN
APPROX. WEIGHT WITH FRAME = 99.50 LBS

DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-10 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
SIZE OF OPENING MEETS REQUIREMENTS OF AMERICAN DISABILITY ACT AS STATED IN FEDERAL REGISTER PART III, DEPARTMENT OF JUSTICE, 28 CFR PART 36.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-023

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONVEY, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.

DRAWN BY	ERC	MATERIAL	DUCTILE IRON
DATE	3-4-06	PROJECT NO./NAME	
REVISED BY	ERC	TITLE	24 IN PEDESTAL GRATE ASSEMBLY - TYPE B
DATE	3-13-10	DWG NO.	7001-110-216
DWG SIZE	A	SCALE	1:10
SHEET	1 OF 1	REV	C

3130 VERONA AVE
BURLINGTON, GA 30619
PH: (770) 932-2443
FAX: (770) 932-2480
www.nyloplast-us.com

TYPE II SKIMMER
GENERAL NOTES

- The Frenchdrain Skimmer is a hooded cover, mounted over an outlet in a catchbasin, that prevents oil and floating debris from exiting the basin. Use this skimmer in Frenchdrain Catchbasins and in other locations where there is a need to prevent oil, debris or other floating contaminants from exiting Catchbasins through outlet pipes.
- Place neoprene gasket material between the skimmer and the catchbasin at all points of contact. Trim the gasket neatly to extend 1/2 inch beyond the joint on all sides.
- Skimmer baffle, cleanout pipe and angles shall be primarily constructed of either galvanized steel, aluminum, polyvinyl chloride, polyethylene, fiberglass or acrylonitrile butadiene styrene. All steel components, other than stainless, shall be hot-dip galvanized.
- Mounting hardware, hinges and latches shall all be stainless steel. Loss prevention device shall be either stainless steel chain or riveted nylon strap.
- Material used in construction of skimmer bodies (baffles) and cleanout pipe shall comply with Standard Specification 943 for steel, 945 for aluminum or 948 for plastics.
- All costs for furnishing and installing a frenchdrain skimmer shall be included in the cost of the basin in which it is installed. Retrofit skimmers shall be paid for as "modify existing structure".
- Plastic Skimmers shall contain a minimum of 1.5% by weight of carbon black for UV protection.

DESIGN NOTES

- The contractor may submit an alternative design prefabricated Frenchdrain Skimmer for approval by the Engineer.
- Show, in the plans, the location of the basin and indicate the interior side(s) of the basin on which a skimmer will be installed.
- Type I Skimmer dimensions shall be based on the outlet pipe diameter as shown in the dimension table.
- Type II Skimmers are to be used only with outlet pipe diameters of 15", 18", and 24".

INDEX NO.	241	SHEET NO.	1
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NYLOPLAST DRAIN BASIN WITH STANDARD GRATE

1 - 6" - 30" STANDARD GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - 6" & 12" STANDARD GRATES FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
4 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 18" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-086.
5 - DRAINAGE CONNECTION STUD JOINT THICKNESS SHALL CONFORM TO ASTM D312 FOR CORRUGATED HDPE AND N-12/HANCOR DUAL WALL, N-12 HR, & PVC BEWER (4" - 24").
6 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
7 - 12" - 30" STANDARD GRATES SHALL MEET H-20 LOAD RATING.
8 - 6" & 12" STANDARD GRATES ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY. NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

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DRAWN BY	ERC	MATERIAL	DUCTILE IRON
DATE	1-23-08	PROJECT NO./NAME	
REVISED BY	MNH	TITLE	DRAIN BASIN WITH STANDARD GRATE QUICK SPEC INSTALLATION DETAIL
DATE	03-11-10	DWG NO.	7001-110-144
DWG SIZE	A	SCALE	1:40
SHEET	1 OF 1	REV	H

3130 VERONA AVE
BURLINGTON, GA 30619
PH: (770) 932-2443
FAX: (770) 932-2480
www.nyloplast-us.com

BAFFLE DETAIL
N.T.S.

LOGITUDINAL SECTION

THICKENED EDGE SIDEWALK DETAIL
N.T.S.

ALL CONCRETE SHALL BE 3000 P.S.I., 4" THICK
6" THICK W/ 6"x6" W.W.M. AT DRIVEWAYS ONLY.

TYPE "A" JOINT TO BE USED AT P.C. AND P.T. OF CURVES AND JUNCTION OF EXISTING AND NEW SIDEWALK

TYPE "B" JOINT TO BE USED AT 5'-0" CENTER TO CENTER ON SIDEWALKS.

TYPE "C" JOINT TO BE USED WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.

TRENCH DETAIL
N.T.S.

DATE	DESCRIPTION

JCM CONSULTANTS, INC.
ENGINEERING • LAND PLANNING

8401 S.W. 184th STREET
MIAMI, FLORIDA 33157
PH: (305) 772-0088
FAX: (305) 278-1118

PROJECT OWNER

PROPOSED DUPELX
506 SW 8TH AVENUE

506 LUCKY STAR, LLC

DRAINAGE DETAILS

SEAL:

JUAN C. MUNIZ
LICENSE
No 55484
STATE OF FLORIDA
PROFESSIONAL ENGINEER

09-14-2023

This Item has been digitally signed and sealed by Juan C. Muniz, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

REGISTRATION No. 55484
C.A. 00008703

PROJECT No.: 2023-36
DESIGNED BY: J.C.M.
DRAWN BY: J.C.M.
CHECKED BY: J.C.M.
ISSUE DATE: 04-06-2023
DRAWING No.:
DRAWING SCALE: AS SHOWN

DRG

PZ23-12000050
03/20/2024