

01
SCALE: 1"=10'
PROPOSED DRAINAGE PLAN

GENERAL NOTES:

- REGULATIONS - ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE MUNICIPALITY IN WHICH THE WORK IS BEING PERFORMED.
- ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88).
- SITE INFORMATION CONTAINED HEREIN HAS BEEN BASED ON THE CONSTRUCTION LAYOUT SURVEY PROVIDED BY PRINCIPAL MERIDIAN SURVEYING, INC., (JOB NO: 21-0021).
- PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO FIELD LOCATE AND SAFEGUARD ALL EXISTING UTILITIES, STRUCTURES, AND SURVEY MARKERS.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO START CONSTRUCTION.
- ALL SIDEWALKS, PATIOS, DRIVEWAYS, DIRT, ETC. SHALL BE SLOPED AWAY FROM HABITABLE STRUCTURES.
- MAXIMUM GRASS SLOPE SHALL NOT EXCEED 4:1.
- CONTRACTOR TO COORDINATE GRADING PLAN WITH LANDSCAPE ARCHITECT.
- IF CONDITIONS REQUIRE WORK NOT SHOWN OR NOT VISIBLE ON PLANS, CONTRACTOR IS TO CONTACT ENGINEER PRIOR TO CONTINUING.
- SITE GRADING IS TO BE PERFORMED IN A MANNER SO THAT STORM RUNOFF DOES NOT IMPACT ADJACENT PROPERTIES NEGATIVELY.
- PROPOSED ELEVATIONS AS PRESENTED HEREIN THAT ARE LOCATED IN PERVIOUS AREAS, REPRESENT FINISHED, TOP OF SOD/GRASS, MULCH, LOOSE ROCK OR ANY OTHER LANDSCAPE MATERIAL CHOSEN.
- CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

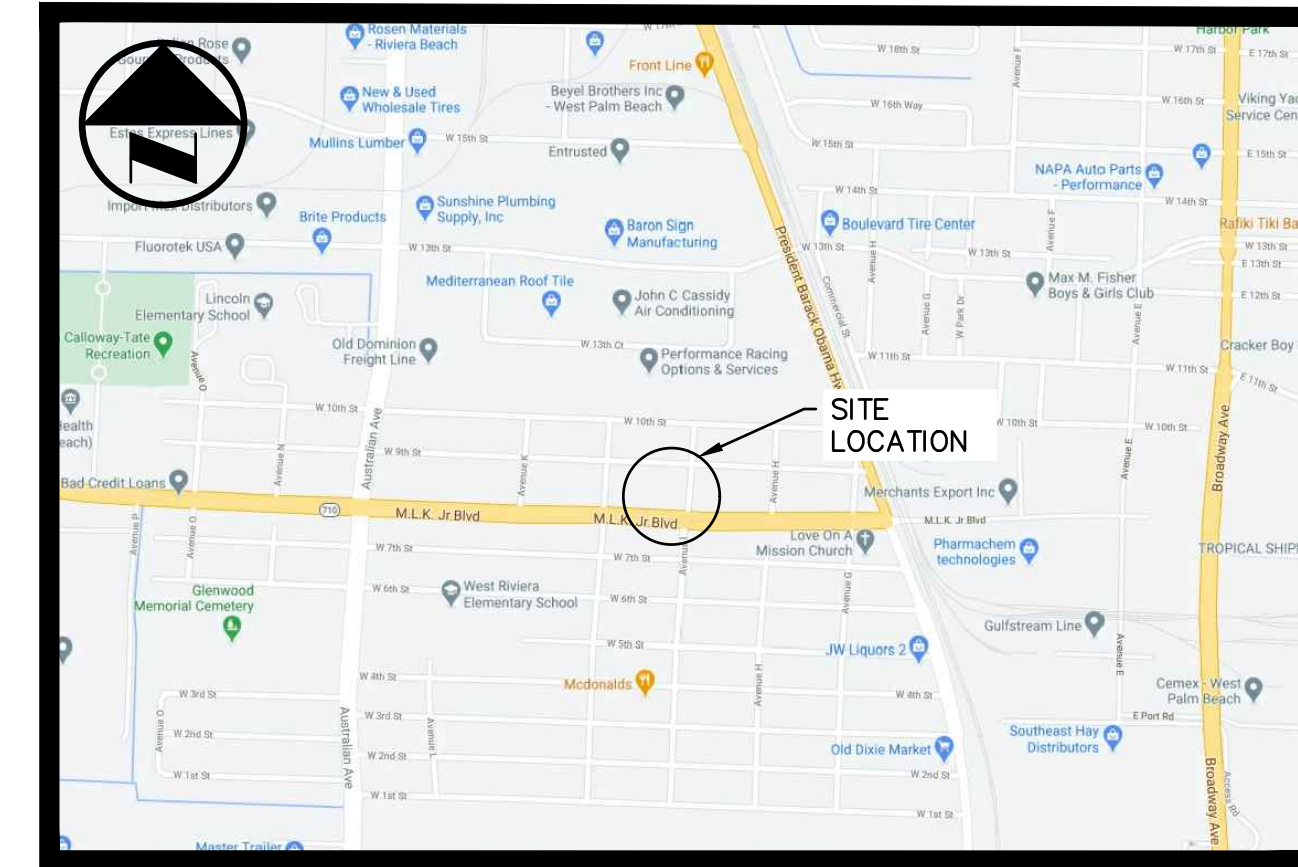
DRAINAGE STRUCTURES SCHEDULE

STRUCTURE NO.	GRATE ELEVATION	INVERT
CB1	21.10	17.60 N
		1.60 S
CB2	21.10	17.60 N
		18.02 W
CB3	21.10	18.44 W
		18.44 E
CB4	21.10	18.75 W
		18.75 E
CB5	21.10	19.10 E
		17.60 W
CB6	22.10	17.60 E
		17.60 S
CS1	22.00	17.60 S
		17.00 E

NOTE: PROPOSED DRAINAGE STRUCTURES CB1, CB2, CB3, CB4, CB5 AND CB6 TO BE 24" NDS #2404 WITH SUMP WITH 24" GRATE #2410 OR EQUIVALENT; ALL PROPOSED DRAINAGE STRUCTURES TO CONTAIN A 12" SUMP.

LEGAL DESCRIPTION

LOTS 7 & 8, BLOCK 22, INLET CITY, PLAT BOOK 7, PAGES 27 AND 28, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.



LOCATION MAP

SCALE: NOT TO SCALE

LEGEND

EXISTING GRADE	
PROPOSED GRADE	
PROPOSED	PR
EXISTING	EX
FINISHED FLOOR ELEVATION	FFE
FLOW DIRECTION	
ELEVATION	EL
CENTER LINE	CL
BENCHMARK	BM
TOE OF SWALE	T.O.S.
INVERT	INV
MATCH EXISTING GRADE	MEG
TYPICAL	TYP.
CATCH BASIN	CB
CONTROL STRUCTURE	CS
CONCRETE	CONC.
NUMBER	NO.
HIGH DENSITY POLYETHYLENE	HDPE

SITE DRAINAGE CALCULATIONS:

GIVEN:
 LOT AREA = 8,744 ft² (100%)
 IMPERVIOUS = 5,863 ft² (67%)
 PERVIOUS = 2,881 ft² (33%)

SITE DRAINAGE CRITERIA:
 REQUIRED STORAGE: 1" OVER TOTAL SITE

CALCULATIONS:
 1"/12" * 8,744 ft² = 729 ft³
 REQUIRED STORAGE = 729 ft³

VOLUME PROVIDED:
 NORTH EXFILTRATION TRENCH VOLUME = 649 ft³
 EAST EXFILTRATION TRENCH VOLUME = 235 ft³
 TOTAL VOLUME PROVIDED = 884 ft³

884 ft³ > 729 ft³;

THEFORE, ADEQUATE VOLUME HAS BEEN PROVIDED.

TOP OF WEIR ELEVATION SET AT 19.25 NAVD BASED ON SITE DRAINAGE CRITERIA

ENGINEER OF RECORD:
 DEREK SCHENAVAR
 PE # 63858

REVISIONS	
#	DESCRIPTION

DATE	DESCRIPTION

SON SHINE BUILDERS
 XXX AVENUE I
 RIVIERA BEACH, FL 33461
 DRAINAGE DESIGN SERVICES

DATE: 10-18-21
 SCALE: AS NOTED
 DRAWN BY: ALG
 CHECKED BY: DHS
 PROJECT #: 21-02003.02