

# NOTES FOR IRRIGATION MAIN

1. PROVIDE MINIMUM 30 INCH COVER.
2. ALL UTILITY AND EASEMENT CROSSINGS SHALL BE PERPENDICULAR TO EACH OTHER.
3. PROVIDE 6 INCH MINIMUM VERTICAL CLEARANCE BETWEEN IRRIGATION MAIN AND OTHER UTILITIES.
4. IRRIGATION MAIN CROSSING DRAINAGE SHALL BE LOCATED AT PIPE LOCATIONS AND NOT FRENCH DRAIN LOCATIONS.
5. IRRIGATION MAIN TO BE ROUTED OUTSIDE OF ALL EXISTING AND PROPOSED EASEMENTS AND CLEAR OF UTILITIES.

CONNECT TO IRRIGATION MAIN FOR WATER FEATURE VAULT WATER SUPPLY (COORD. W/ WATER FEATURE DWGS.)

EXIST. CATCH BASIN (TO BE RAISED)  
EXIST. GRATE EL. 4.68  
NEW GRATE EL. 5.40

EXIST. STORM DRAIN  
GRATE EL. 5.37  
INV. EL. 1.72 (N)  
INV. EL. 1.50 (SE)  
INV. EL. 1.50 (NW)

EXIST. STORM DRAIN  
GRATE EL. 5.31  
INV. EL. 2.81 (SE)  
INV. EL. 1.50 (NW)

EXIST. CATCH BASIN (TO BE RAISED)  
EXIST. GRATE EL. 4.81  
NEW GRATE EL. 5.70

EXIST. STORM DRAIN  
GRATE EL. 5.43  
INV. EL. 1.72 (NE)  
INV. EL. 1.63 (SE)  
INV. EL. 1.53 (NW)

EXIST. STORM DRAIN  
GRATE EL. 5.32  
INV. EL. 1.62 (NE)  
INV. EL. 1.63 (SE)  
INV. EL. 1.52 (NW)

EXIST. STORM WELL MH  
RIM EL. 5.89  
TOP OF WELL GRATE EL. 2.79

EXIST. STORM DRAIN (TO BE RAISED)  
EXIST. GRATE EL. 4.85  
NEW GRATE EL. 5.60

EXIST. CONFLICT STORM MH (TO BE RAISED)  
EXIST. GRATE EL. 5.45  
NEW RIM EL. 6.47  
INV. EL. 0.85 (S)  
TOP OF SAN. PIPE EL. 1.95

EXIST. CATCH BASIN (TO BE RAISED)  
EXIST. GRATE EL. 4.90  
NEW GRATE EL. 5.50

EXIST. CATCH BASIN (TO BE RAISED)  
EXIST. GRATE EL. 5.36  
NEW GRATE EL. 6.70  
INV. EL. 1.13 (NE)  
INV. EL. 1.18 (SE)  
T.O.B. EL. 2.41 (NW)

EXIST. CATCH BASIN (TO BE RAISED)  
EXIST. GRATE EL. 6.40  
NEW RIM EL. 6.95  
INV. EL. 1.13 (NE)  
INV. EL. 1.18 (SE)  
INV. EL. 1.13 (SW)

EXIST. STORM DRAIN (TO BE RAISED)  
EXIST. GRATE EL. 4.77  
NEW GRATE EL. 5.46  
N.E. INV. EL. 1.17  
S.E. INV. EL. 1.52

EXIST. STORM DRAIN (TO BE RAISED)  
EXIST. GRATE EL. 7.75  
NEW GRATE EL. 8.21  
INV. EL. 1.18 (NE)  
INV. EL. 1.43 (SE)  
INV. EL. 1.18 (SW)

EXIST. STORM MH  
RIM EL. 6.49  
INV. EL. 0.18 (SE)  
INV. EL. 1.43 (SE)  
REMOVE EXIST. MH COVER & REPLACE W/ EXIST. RING

EXIST. CATCH BASIN (TO BE RAISED)  
EXIST. GRATE EL. 5.40  
NEW GRATE EL. 6.70  
INV. EL. 1.13 (NE)  
INV. EL. 1.18 (SE)  
INV. EL. 1.13 (SW)

CONNECT TO IRRIGATION MAIN FOR WATER FEATURE VAULT WATER SUPPLY (COORD. W/ WATER FEATURE DWGS.)

EXIST. 10" FPL ESMT. PER O.R.B. 18816, PAGE 1835

EXIST. 6" WATER PIPE  
EXIST. 3" TEL. PIPE  
EXIST. 10" FPL ESMT. PER O.R.B. 18816, PAGE 1835

## LEGEND

- EXIST. PAVEMENT
- SPECIALTY PAVEMENT (COORD. W/ ARCH./LANDS. DWGS.)
- SPECIALTY PAVEMENT (FIRE LANE ACCESS) (COORD. W/ ARCH./LANDS. DWGS.)
- NEW STABILIZED SOD (FIRE LANE ACCESS) (COORD. W/ ARCH./LANDS. DWGS.)
- GRASS LAWN (COORD. W/ ARCH./LANDS. DWGS.)
- SYNTHETIC LAWN (COORD. W/ ARCH./LANDS. DWGS.)
- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION
- YARD DRAIN

NOTE: REFER TO ARCHITECTURAL DWGS. FOR DEMOLITION PLANS.

NOTE:  
EXISTING FRAME & GRATES DESIGNATED TO BE RAISED, SHALL BE RAISED WITH BRICKS TO A MAXIMUM OF FIVE (5) BRICK COURSES, IF MORE THAN A TOTAL OF FIVE (5) BRICK COURSES ARE REQUIRED TO ACHIEVE FINISHED GRADE, CONCRETE COLLARS SHALL BE USED.

EXIST. SOUTH TOWER

PHASE 4

EXIST. NORTH TOWER

PHASE 4

PHASE 1

EXIST. CENTRAL TOWER

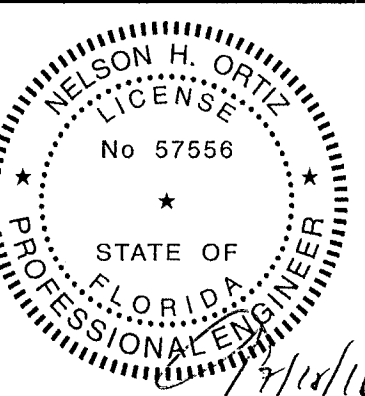
PAVING-GRADING-DRAINAGE/UTILITY PLAN

SCALE: 1" = 20'

PHASE 3



CONSULTING ENGINEERING & SCIENCE, INC.  
10700 N. KENDALL DRIVE SUITE 400  
MIAMI, FLORIDA 33176 (305) 378-5555  
BB-0003255



FOR THE FIRM  
NEILSON H. ORTIZ  
PE-57556 (CIVIL)

PRINTED

DATE REMARK

07/17/18 PERMIT SUBMITTAL

FLAMINGO RENOVATION  
PHASE 2

1420 BAY ROAD  
MIAMI BEACH, FLORIDA 33139  
FOLIO NO: 02-3233-007-0090

MCZ/CENTRUM FLAMINGO III, LLC  
26 EXECUTIVE PARK #125  
ERVINE, CALIFORNIA 92614  
(954) 998-8564

PAVING-GRADING-  
DRAINAGE/  
UTILITY PLAN

DRAWN BY: P.F.

CHECKED BY: N.H.O.

APPROVED BY: N.H.O.

DATE: 09-28-17

PROJECT NO.: 17019

REVISIONS

SCALE: AS SHOWN

SHEET NUMBER:

Always call 811 two full business days before you dig

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