DORAL COMMONS
PAVING AND DRAINAGE PLANS

EARTHWORK/FILL NOTES:

IT IS ASSUMED THAT STRIPPING OF 4" OF MATERIAL, OR WHAT IS REQUIRED THAT THE WHOLE SITE WILL OCCUR PRIOR TO ANY FILLING OR EXCAVATION.

CONTRACTOR UNDERSTANDS THAT THE WORK TO BE PERFORMED IS ALL WORK AS NOTED ON THE DRAWINGS AND IS INCLUSIVE WHETHER STATED IN THE PLANS OR NOT. THE WORK INCLUDES BUT IS NOT LIMITED TO: CLEARING AND GRUBBING, DEMOLISHING, COMPACTING, INCLUDING DRAINAGE PERMITS, TURBIDITY AND EROSION BARRIERS, ANY AND ALL ORANGE MESH FENCING OR OTHER APPROVED METHOD OF DELINEATING AS REQUIRED BY OWNER, ALL DRAINAGE WORK, ALL EXCAVATION, FILLING SITE WITH STRUCTURAL FILL, EXCAVATING DRAINAGE LAKES, CONSTRUCTING BERMS, ALL LAKE GROWING, FINISHED GRADING AT COMMON AREAS, COMPACT FILLING OF THE SITE, COORDINATING ALL REQUIRED DENSITY TESTING WITH POINT ENGINEER TESTING, LAND REMOVAL OF ANY AND ALL TRASH, UNSUITABLE OR NOT SUITABLE MATERIAL, INCLUDING TRASH, SEED AND MULCH ON ALL BERMS AND LAKE SLOPES, MAINTENANCE OF TRAFFIC, AND ANY AND ALL WORK DIRECTED BY THE OWNER OR ENGINEER IN ORDER TO COMPLETE THE WORK ON-SITE AND OFF-SITE.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND TURBIDITY BARRIERS PRIOR TO AND DURING CONSTRUCTION TO PREVENT VIOLATION OF STATE WATER QUALITY STANDARDS FOR OFF SITE DISCHARGES. (FW NTU ABOVE BACKGROUND FOR TURBIDITY). THESE BARRIERS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED, SODS ARE ESTABLISHED, AND VEGETATION HAS BEEN ESTABLISHED. REFERENCE FLORIDA DEPT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS INDEXES 102 AND 103 AND TYPICAL INSTALLATION DETAILS.

SITE-GRADING FILL SHALL CONSIST OF CLEAN, GRANULAR MATERIALS THAT ARE FREE OF DEBRIS, TRUNKS, COMMON TRASH, ROOTS, SODS, WOOD, CELLULOSE, ORGANIC MATERIALS, AND MATERIALS SUBJECT TO DECAY. ATTACH THE ORGANIC CONTENT OF THE FILL SHALL BE LESS THAN 2% (2) WEIGHT. FILL SHALL HAVE LESS THAN 10 PERCENT PASSING THE U.S. STANDARD NO. 200 SIEVE (DRY WEIGHT BASIS) AND HAVE NO PARTICLE SIZE LARGER THAN 6 INCHES UNLESS IT CAN BE DEMONSTRATED THAT SUCH PARTICLES CAN BE WORKED DOWN TO THE MAXIMUM SPECIFIED SIZE UNDER THE TRAFFIC OF THE EARTHWORK SPREADING AND COMPACTATION EQUIPMENT.

ALL FILL FOR STRUCTURAL BUILDING PADS SHALL BE CLEAN SAND OR ROCK FREE OF DEBRIS AND OTHER DELETERIOUS MATERIALS. THE MAXIMUM SIZE OF ROCK WITHIN TWELVE (12) INCHES BELOW THE FLOOR SLAB IN COMPACTED FILL SHALL BE THREE INCHES IN DIAMETER. COMPACTED LOTS SHALL BE TESTED TO A MINIMUM OF 95 % OF MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557 AND COMPACTED AND TESTED IN LIFTS NOT TO EXCEED 12 INCHES (300 mm).

FILL FOR LANDSCAPE BERMS, COMMON AREAS, OR OTHER AREAS THAT DO NOT REQUIRE STRUCTURAL FILL SHALL MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 142.

CLEARING AND GRUBBING – WITHIN THE LIMITS OF CONSTRUCTION, ALL VEGETATION AND ROOT MATERIAL SHALL BE REMOVED.

DEBRIS – WHEN SOMES OF BURIED PLASTIC PLATES ARE ENCOUNTERED, THEY SHALL BE REMOVED WITHIN THE CONSTRUCTION AREA ONE FOOT BELOW THE SUBGRADE EXTENDING HORIZONTALLY TO THE OUTSIDE EDGE OF THE SHOULDER AREA.

MUCK AND PEAT – IF MUCK AND/OR PEAT ARE ENCOUNTERED IN THE ROAD RIGHTS OF WAY, THEY WILL BE REMOVED COMPLETELY FROM THE AREA OF EXCAVATION TO A WIDTH OF TEN FEET BEYOND THE EDGE OF PAVEMENT AND SHALL BE BACKFILLED WITH GRANULAR MATERIAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES WHETHER SHOWN OR NOT, PRIOR TO CONSTRUCTION. NOTIFY ALL UTILITIES INVOLVED PRIOR TO CONSTRUCTION.

SEQUENCE OF CONSTRUCTION – SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION.

SECTION 8 T53S-R40E

LOCATION MAP

SCALE 1"=1,000'

GENERAL NOTES:

1 – ELEVATIONS SHOWN REFER TO N.G.V.D.
2 – THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
3 – THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE, SIZE, AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
4 – THE CONTRACTOR SHALL RESTORE ALL EXISTING PAVEMENT, UTILITIES (ABOVE AND BELOW GROUND) AND SURFACE FEATURES DISTURBED DURING CONSTRUCTION TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING IN ACCORDANCE WITH THE DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS.
5 – ALL WORK, MATERIALS AND RESTORATION SHALL CONFORM TO THE CITY OF DORAL AND THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS.
6 – IT IS THE INTENT OF THESE PLANS TO COMPLY WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
7 – IT IS THE OWNER'S AND/OR CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY CONSTRUCTION AND MAINTENANCE EASEMENTS THAT MAY BE REQUIRED FOR THIS PROJECT.
8 – DIMENSIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. FOR EXACT DIMENSIONS, SEE FINAL PLAT OR SITE PLAN AS PREPARED BY A REGISTERED LAND SURVEYOR. FIELD LAY-OUT OF THE WORK SHALL BE AS PER THE FINAL PLAT OR SITE PLAN AND SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR.
9 – FRENCH DRAIN TO BE CONSTRUCTED WITH 15-INCH DIA. PERFORATED PIPE UNLESS OTHERWISE NOTED.
10 – THE ENGINEER IS NOT RESPONSIBLE FOR COORDINATING THE WORK OF OTHER UTILITIES, SUB-CONTRACTORS OR TRADES. IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE COORDINATION FOR, BUT NOT LIMITED TO, THE LOCATION OF WATER, SEWER AND DRAINAGE UTILITIES AS WELL AS THE OFFSETS WITH THE LOCATION OF DRIVEWAYS, ROADS, LANDSCAPING, OTHER INFRASTRUCTURE IMPROVEMENTS AND OTHER SURFACE FEATURES.
11 – CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING STRUCTURES AND OTHER MATERIALS.
12 – DADE COUNTY FLOOD CRITERIA ELEVATION: 7.10 N.G.V.D.
13 – OUTSIDE WATER LEVEL ELEVATION: 3.80 N.G.V.D.
14 – BERM ELEVATION: 4.5 (FONG AR, 4) N.G.V.D.
15 – MIN. F.F. ELEVATION: 8.10 N.G.V.D.
16 – CONTRACTOR TO REPLACE ASPHALT AROUND MANHOLES, VALVES, INLETS AND ANY OTHER APPURTENANCES AFTER FINAL LIFT HAS BEEN PUT IN PLACE.

DRAWINGS INDEX

SHEET No.	SHEET DESCRIPTION
PD-CS	COVER SHEET
PD-KS	KEY SHEET
PD-1	PAVING, GRADING & DRAINAGE PLAN
PD-2	PAVING, GRADING & DRAINAGE PLAN
PD-3	PAVING, GRADING & DRAINAGE PLAN
PD-4	PAVING, GRADING & DRAINAGE PLAN
PD-5	PAVING, GRADING & DRAINAGE PLAN
PD-6	PAVING, GRADING & DRAINAGE PLAN
PD-7	PAVING, GRADING & DRAINAGE PLAN
PD-8	PAVEMENT / ROADWAY CROSS SECTIONS
PD-9	PAVEMENT / ROADWAY CROSS SECTIONS
PD-10	PAVEMENT / ROADWAY CROSS SECTIONS
PD-11	PERMEION SECTIONS
PD-12	OUTFALL DETAILS
PD-13	PAVING & DRAINAGE DETAILS & STRUCTURE TABLE
LE-1	LAKES EXCAVATION PLAN (WEST LAKE)
LE-2	LAKES EXCAVATION PLAN (CITY PARK LAKE)
PD-14	DRAINAGE BASIN AREAS
PD-15	DRAINAGE BASIN AREAS
PD-16	EROSION & SEDIMENT CONTROL PLANS

LAND USE TABLE FOR STORMWATER MANAGEMENT ONLY

Total Gross Area	108.21 AC
DORAL COMMONS BUILDING AREA (ROOF AREA, COVERED WALKWAYS)	22.10 AC
DORAL COMMONS IMPERVIOUS (PAVED) AREA, ROADS, DRIVEWAY)	31.53 AC
DORAL COMMONS PERVIOUS AREA (GREEN AREA)	24.02 AC
DORAL COMMONS FPL RETENTION AREA	12.42 AC
DORAL COMMONS LAKE AREAS	3.74 AC
CITY OF DORAL BUILDING AREA (ROOF AREA, COVERED WALKWAYS)	0.09 AC
CITY OF DORAL IMPERVIOUS (PAVED) AREA, ROADS, DRIVEWAY)	4.53 AC
CITY OF DORAL PERVIOUS AREA (GREEN AREA)	7.68 AC
CITY OF DORAL LAKE AREAS	12.32 AC

PROPOSED DEVELOPMENT

	UNITS
AD & TOWNHOUSE FAMILY UNITS	214
APARTMENTS	270
RETAIL COMMERCIAL	100,000 sf

UNDERGROUND CONTRACTORS:

A. UNDERGROUND CONTRACTOR SHALL COMPLY WITH THE TRENCH SAFETY ACT, MF 553, FLORIDA STATUTES, WHICH INCORPORATES, BUT IS NOT LIMITED TO, THE FOLLOWING:

1. OSHA STANDARDS IN CFR PART 1926, SUBPART P, EXCAVATION AND TRENCHES.
2. CONTRACT BID FOR TRENCH EXCAVATIONS IN EXCESS OF 5 FEET (1.5M) SHALL INCLUDE REFERENCE TO THE SAFETY STANDARDS AND THE EVIDENCE OF COMPLIANCE, AND A SEPARATE ITEM DEMONSTRATING THE COST OF COMPLIANCE.
3. ADHERE TO ANY SPECIAL SHORING REQUIREMENTS OF THE STATE OR OTHER POLITICAL SUBDIVISION.

B. ENGINEER IS NOT RESPONSIBLE FOR SAFETY IN THE EXCAVATION OR TRENCH WORKING.

MIGUEL A. HERNANDEZ
LICENSE
No. 65803
STATE OF FLORIDA
PROFESSIONAL ENGINEER

LEGEND

- PROP. GRADE EL.
- EXIST. ASPHALT PAVEMENT
- PROP. GRADE EL. BY STAIRS
- PROP. ASPHALT PAVEMENT
- PROP. GRADE EL.
- PROP. INLET W/ FRENCH DRAIN & STORM SEWER INL
- PAVEMENT RESTORATION
- PROP. TOP AND BOTTOM OF CURB GRADE EL.
- PAVING BRICK FOR HEAVY VEHICULAR TRAFIC

FORD ENGINEERS INC.
1499 N.W. 99th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33172
PH. (305) 470-8472
FAX (305) 470-8805

DORAL COMMONS

SHEET TITLE: PAVING, GRADING & DRAINAGE COVER SHEET

CLIENT: TERRA DORAL COMMONS, LLC

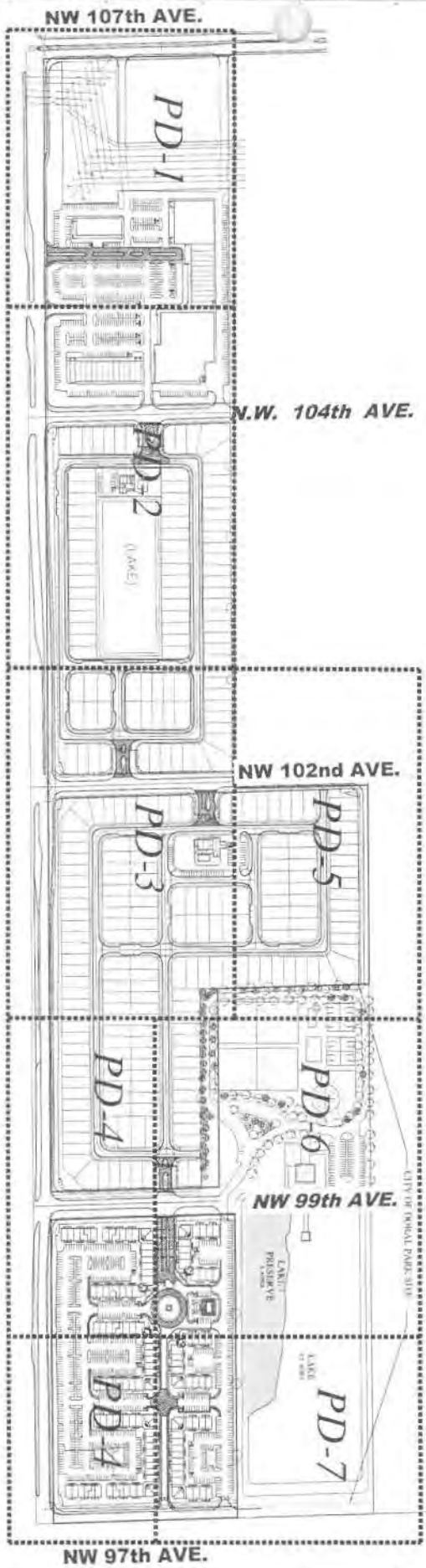
SUITE 2200S, 2655 SOUTH BAYSHORE DRIVE
MIAMI, FLORIDA 33133

PROJ. NO.: VERTICAL & TOPOGRAPHY SURVEY BY: RAMOS REALEST
CONSULTANTS: MIAMI, FLORIDA 33133

DATE: 09/28/12

PROJECT No.: 12-009

SHEET: PD-CS
1 of 20



NW 74th ST.
KEY SHEET

MIGUEL A. HERNANDEZ
LICENSE No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12-21-14

DORAL COMMONS

PAVING, GRADING & DRAINAGE KEY SHEET

TERRA DORAL COMMONS, LLC.

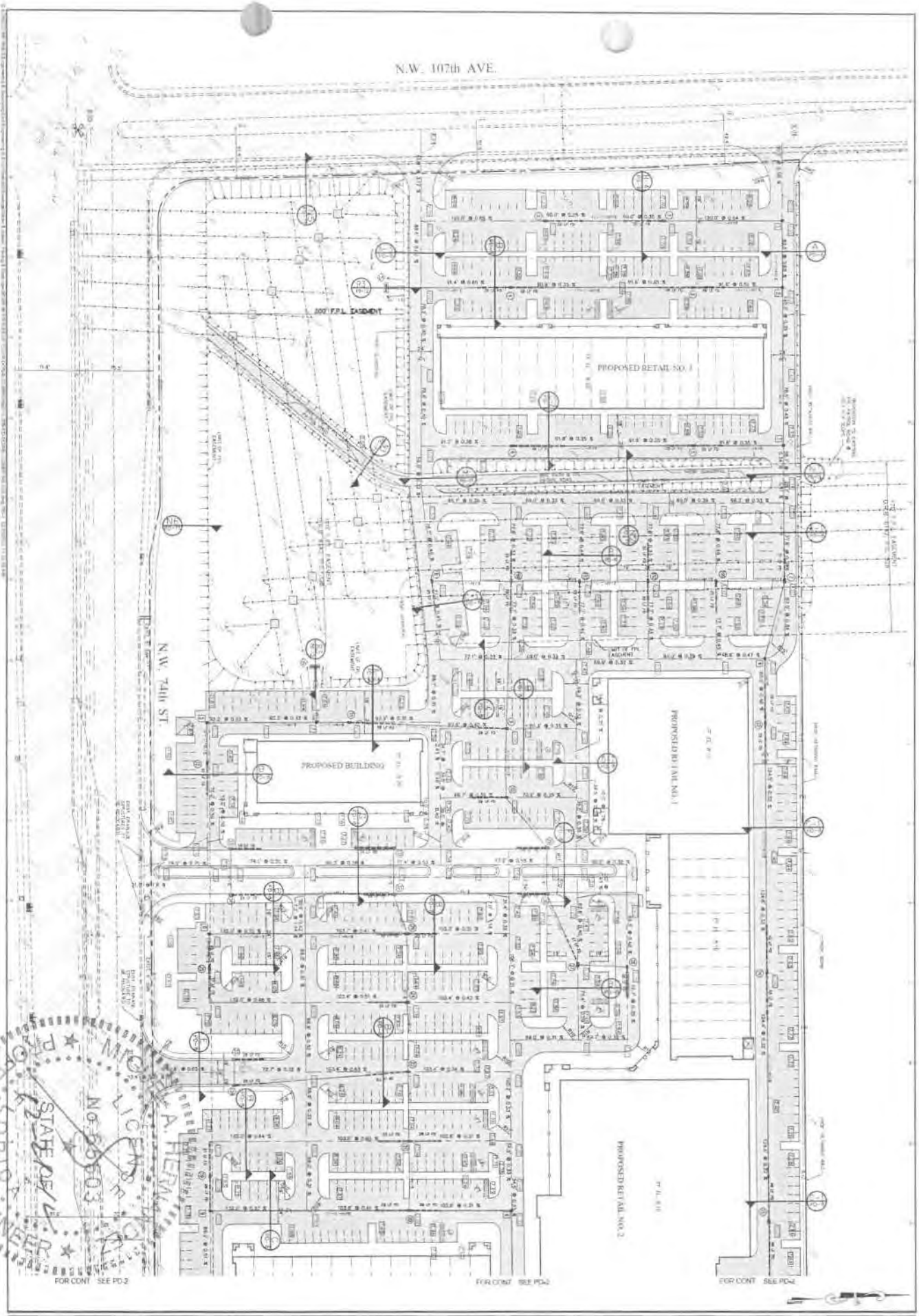
SCALE	N.T.S.
SHOWN IN FLORIDA	
DRAWN BY	F.DIAZ
CHECKED BY	M.HERNANDEZ
DATE	05/01/12
PROJECT	12-009
SHEET	PD-KS 2 of 20

CIVIL ENGINEER
CITY OF KENDALL (FLORIDA, INC.)

LAND OWNER: 8875 SOUTH BAYSHORE DRIVE
CORAL GABLES, FLORIDA 33133

PROJECT: SECTION 8 TOWNSHIP 53 SOUTH RANGE 40 EAST
CITY OF DORAL, MIAMI-DADE, FLORIDA

ACE ENGINEERS INC.
9850 N. NW 41 STREET, SUITE 101
DORAL, FLORIDA 33178
TEL: (305) 594-0080
FAX: (305) 594-0085



DORAL COMMONS

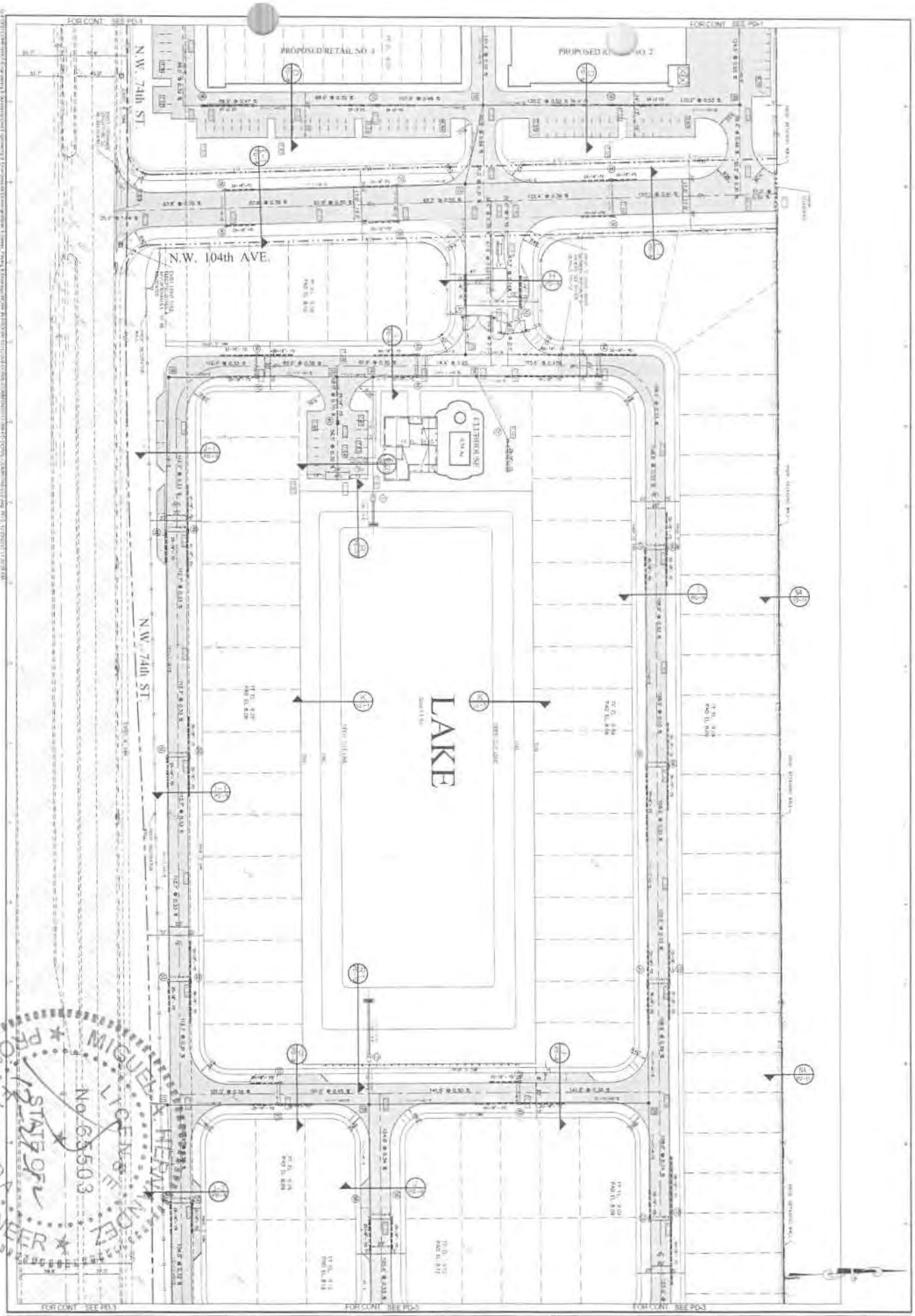
PAVING, GRADING & DRAINAGE PLAN

TERRA DORAL COMMONS, LLC.

PD-1

3 of 20

12-009



DORAL COMMONS

PAVING, GRADING & DRAINAGE PLAN

TERRA DORAL COMMONS, LLC

PD-2
4 of 20

12-009

05/2012

DESIGN BY: F. FONSECA

DRAWN BY: M. HERNANDEZ

CHECKED BY: F. FONSECA

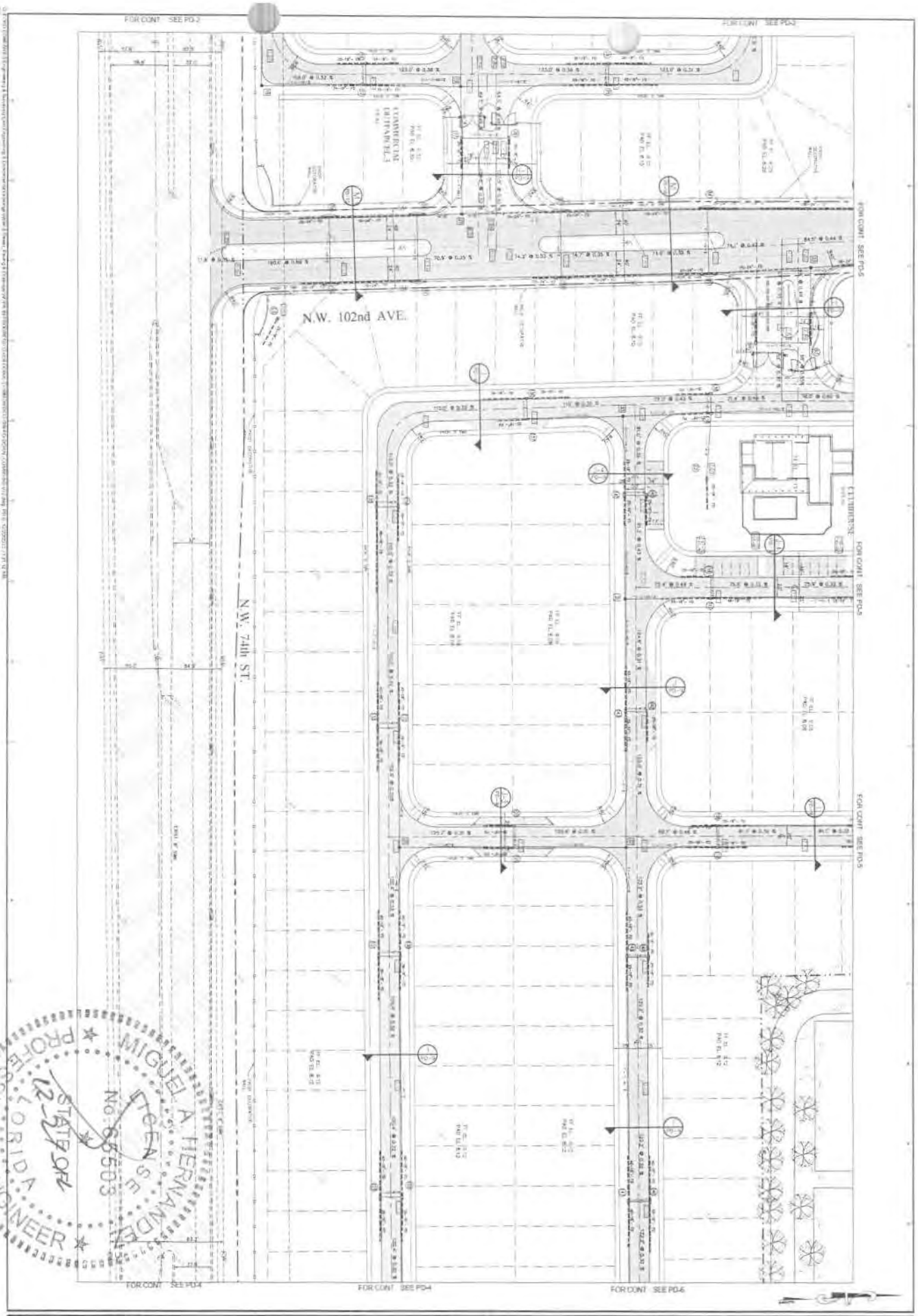
CIVIL ENGINEER

FOR: LOT 17 OF DORAL CENTER, PB 171

SECTION 8 TOWNSHIP 53 SOUTH RANGE 40 EAST
CITY OF DORAL, MIAMI-DADE, FLORIDA

SOFTECH ENGINEERING, INC.
8950 NW 41 STREET, 2nd FLOOR
DORAL, FLORIDA 33178
PH: (305) 592-9690
FAX: (305) 592-9691

STATE OF FLORIDA
PROFESSIONAL ENGINEER
MIGUEL A. HERNANDEZ
No. 65503
12-27-12



DORAL COMMONS

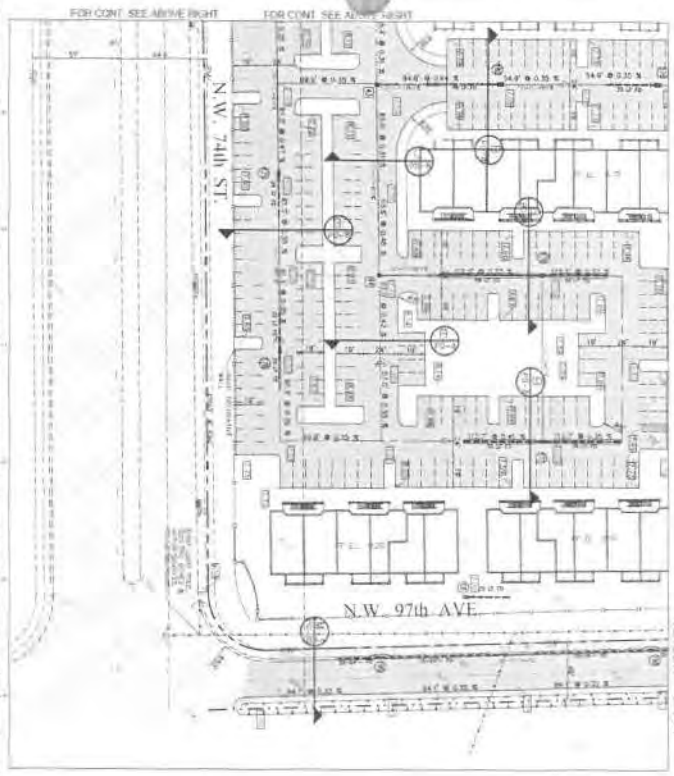
PAVING, GRADING & DRAINAGE PLAN

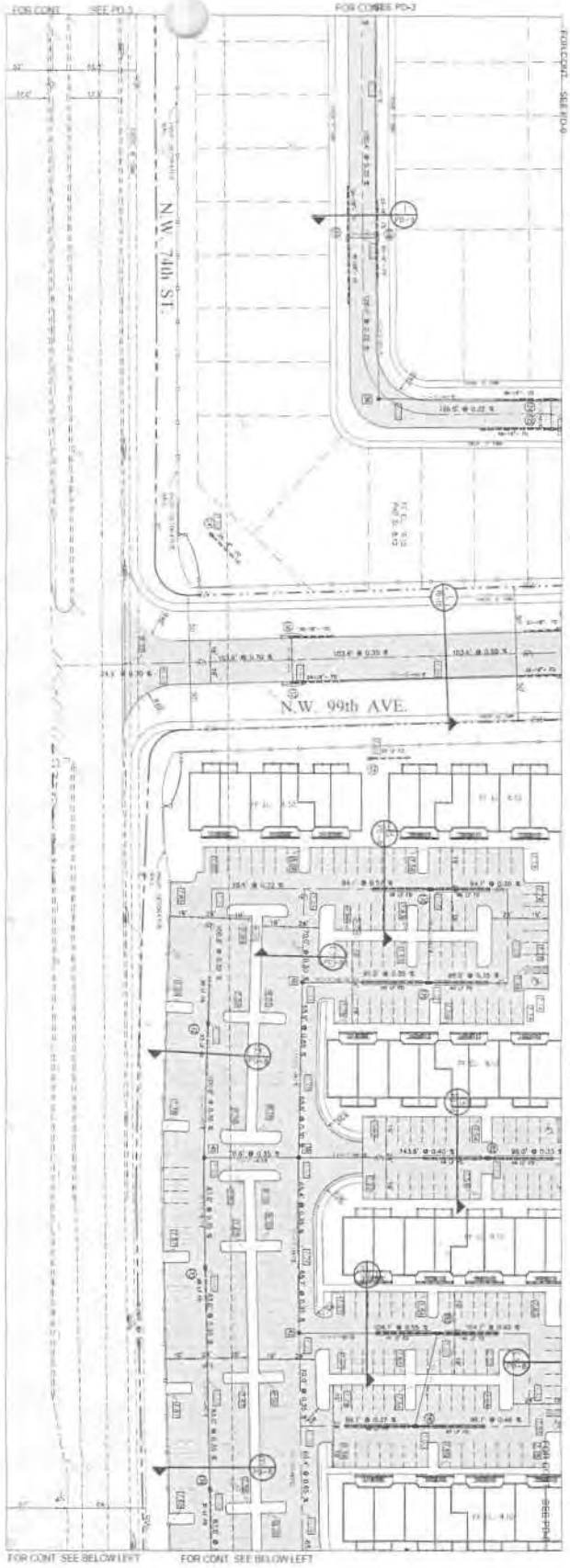
TERRA DORAL COMMONS, LLC.

PD-3
5 of 20

12-009

MIGUEL A. HERNANDEZ
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 65503
12-27-01





PROFESSIONAL ENGINEER
MIGUEL A. HERNANDEZ
LICENSE No. 65603
STATE OF FLORIDA
12-21-12

DORAL COMMONS

PAVING, GRADING & DRAINAGE PLAN

TERRA DORAL COMMONS, LLC.

PD-4
6 of 20

12-009

06/25/12

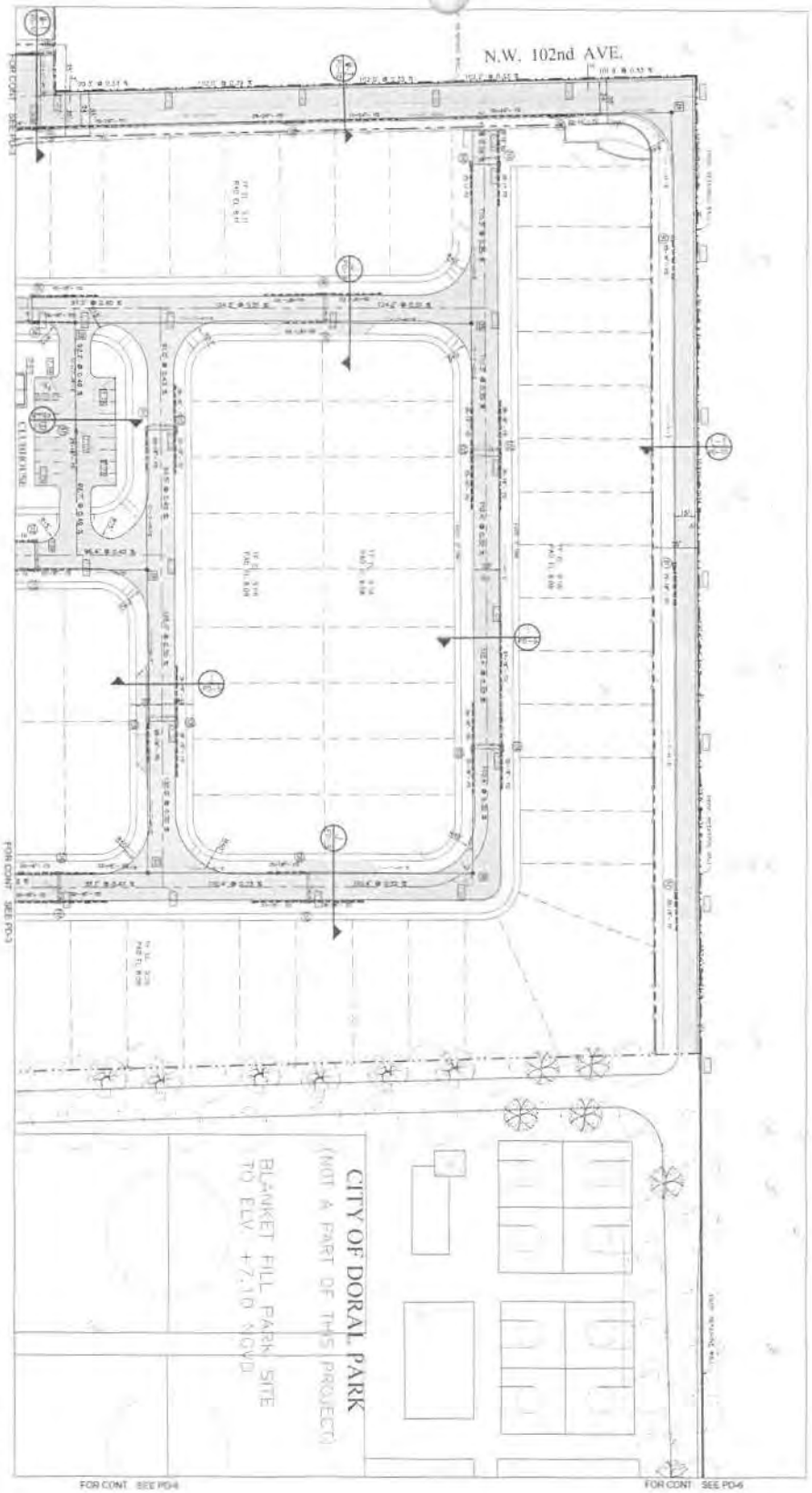
M. HERNANDEZ

F. ZENDEJAS

F. ZENDEJAS

CIVIL ENGINEER

CIVIL ENGINEERS, INC.
7800 N.W. 38th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33126
TEL (305) 715-9922
FAX (305) 715-9933



MIGUEL A. HERNANDEZ
LICENSED
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/21/12

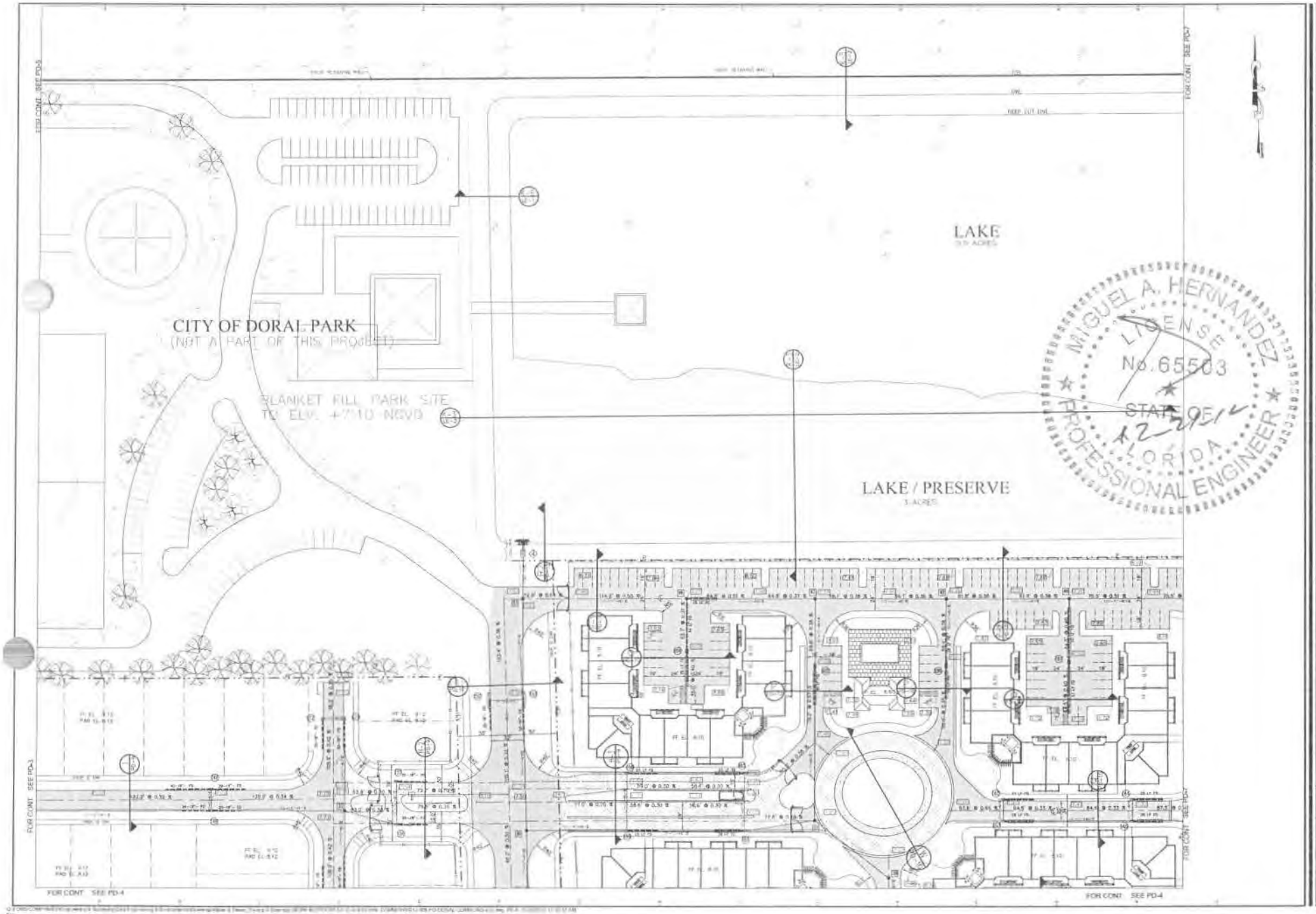
DORAL COMMONS

PAVING, GRADING & DRAINAGE PLAN

TERRA DORAL COMMONS, LLC.

PD-5
7 of 20

12-009



FORD ENGINEERS, INC.
1255 N.W. 94th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33172
Ph. (305) 477-8472
FAX (305) 477-0385

DORAL COMMONS

SHEET NAME: PAVING, GRADING & DRAINAGE PLAN

CLIENT: TERRA DORAL COMMONS, LLC.

SCALE:	1"=40'
DESIGNED BY:	F. IZINAGA
DRAWN BY:	F. IZINAGA
CHECKED BY:	M. HERNANDEZ
DATE:	05/25/12
PROJECT No.:	12-009
SHEET:	PD-6

8 of 20

MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12-2-12

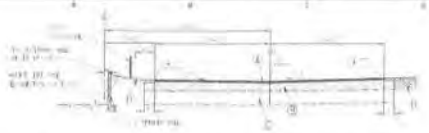
DORAL COMMONS

SHEET NAME: PAVING, GRADING & DRAINAGE PLAN

CLIENT: TERRA DORAL COMMONS, LLC.

SHEET	PD-7
	9 of 20
PROJECT #	12-009
DATE	05/25/12
DRAWN BY	F. FONSECA
CHECKED BY	M. HERNANDEZ

FERNANDEZ-ECHEVARRIA, INC.
9851 N.W. 84th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33178
TEL. (305) 594-0635
FAX. (305) 594-0636



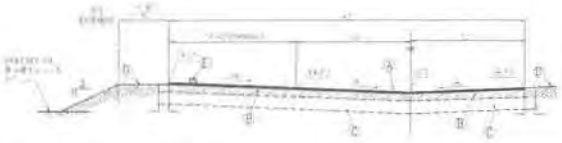
(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD

A / PD-7 — N.T.S.

* DEVELOPER OF THIS PROJECT TO COORDINATE WITH ADJACENT PROPERTY OWNERS FOR CONSTRUCTION EASEMENTS, PERMISSION TO FILL AND ASSOCIATED ENVIRONMENTAL PERMITTING WITH DERM, ACOE AND SFWMD.

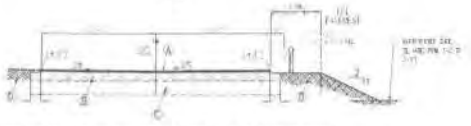
(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

A-1 / PD-8 — N.T.S.



(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

A-2 / PD-8 — N.T.S.

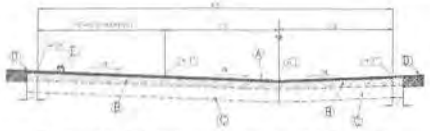


(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD

A-3 / PD-8 — N.T.S.

(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

E / PD-8 — N.T.S.

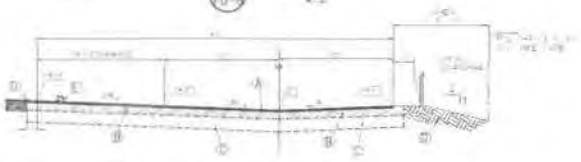


(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

C / PD-8 — N.T.S.

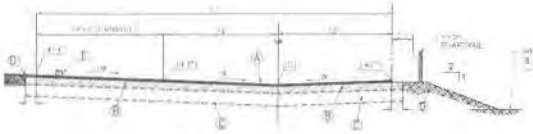
(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

C-1 / PD-8 — N.T.S.



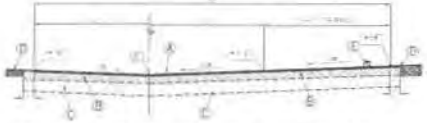
(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

C-2 / PD-8 — N.T.S.



(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

C-3 / PD-8 — N.T.S.



(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

D / PD-8 — N.T.S.

(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD

D-1 / PD-8 — N.T.S.

(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) PROP. 5' SIDEWALK
(E) PROP. TYPE "F" CURB & GUTTER

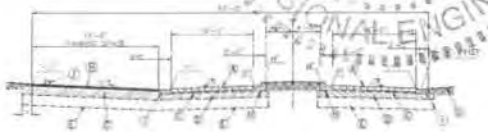
F / PD-8 — N.T.S.

(A) ASPHALTIC CONCRETE SURFACE COURSE: 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. SIDEWALK
(F) PROP. 2' VALLEY GUTTER

E-1 / PD-8 — N.T.S.

(A) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC (ASTM C 1272)
(B) 2" SAND BASE COURSE
(C) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(D) 12" STABILIZED SUBGRADE
(E) PROP. TYPE "F" CURB AND GUTTER
(F) SOLID SOD
(G) TYPE "F" MEDIAN CURB AND GUTTER
(H) PROP. 2' VALLEY GUTTER

F / PD-8 — N.T.S.



(A) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC (ASTM C 1272)
(B) ASPHALTIC CONCRETE SURFACE COURSE (1"-3/4" MALT TYPE S-1)
(C) 2" SAND BASE COURSE
(D) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(E) 12" STABILIZED SUBGRADE
(F) PROP. TYPE "F" CURB AND GUTTER
(G) SOLID SOD
(H) TYPE "F" MEDIAN CURB AND GUTTER
(I) PROP. 2' VALLEY GUTTER
(J) WHEEL STOP

G / PD-8 — N.T.S.

MIGUEL A. HERNANDEZ
LICENSE No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FORD ENGINEERS, INC.
1550 N.W. 94th AVENUE, 2nd FLOOR
CORAL, FLORIDA 33172
PH. (305) 477-0472
FAX (305) 476-3325

RECORD OF REVISION

DATE	REVISION

DORAL COMMONS

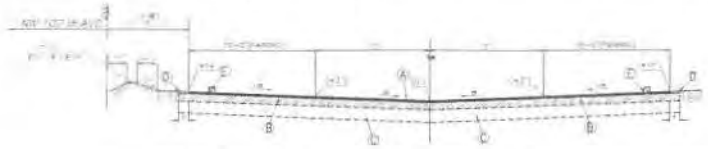
PAVEMENT / ROADWAY CROSS SECTIONS

TERRA DORAL COMMONS, LLC.

SCALE:	N.T.S.
DESIGNED BY:	F.DIAGA
DRAWN BY:	F.DIAGA
CHECKED BY:	M. HERNANDEZ
SET #:	
DATE:	05-23-12
PROJECT No:	12-009
SHEET:	PD-8
	10 of 20

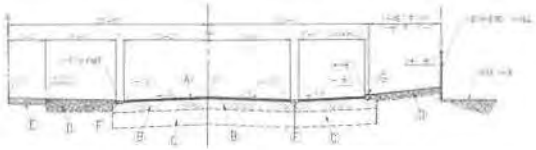
(A) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC (ASTM C -1272)
(B) 2" SAND BASE COURSE
(C) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(D) 12" STABILIZED SUBGRADE
(E) TYPE "F" MEDIAN CURB AND GUTTER
(F) SOLID SOD
(G) PROP. 2' VALLEY GUTTER
(H) PROP. 5' SIDEWALK
(I) 12" X 8" CONCRETE HEADER

H / PD-9 — N.T.S.



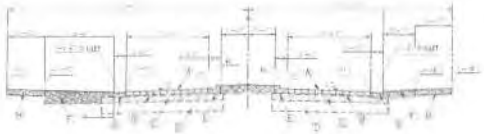
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

H-4 / PD-9 — N.T.S.



(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) PROP. 2' VALLEY GUTTER
(G) PROP. TYPE "D" CURB

J-1 / PD-9 — N.T.S.

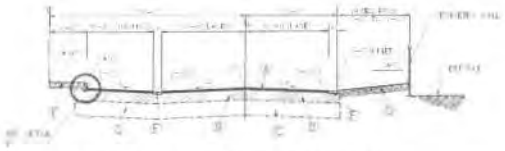


(A) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC (ASTM C -1272)
(B) 2" SAND BASE COURSE
(C) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(D) 12" STABILIZED SUBGRADE
(E) TYPE "F" MEDIAN CURB AND GUTTER
(F) SOLID SOD
(G) PROP. 2' VALLEY GUTTER
(H) PROP. 5' SIDEWALK

H-1 / PD-9 — N.T.S.

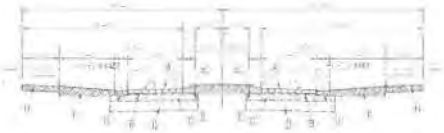
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) PROP. 2' VALLEY GUTTER
(G) PROP. TYPE "D" CURB

J / PD-9 — N.T.S.



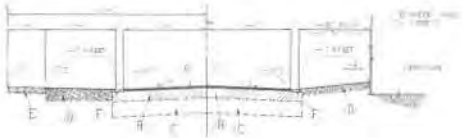
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) PROP. 2' VALLEY GUTTER

J-2 / PD-9 — N.T.S.



(A) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC (ASTM C -1272)
(B) 2" SAND BASE COURSE
(C) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(D) 12" STABILIZED SUBGRADE
(E) TYPE "F" MEDIAN CURB AND GUTTER
(F) SOLID SOD
(G) PROP. 2' VALLEY GUTTER
(H) PROP. 5' SIDEWALK

H-2 / PD-9 — N.T.S.

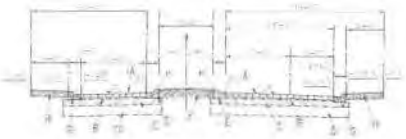


(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) PROP. 2' VALLEY GUTTER
(G) PROP. TYPE "D" CURB

J-3 / PD-9 — N.T.S.

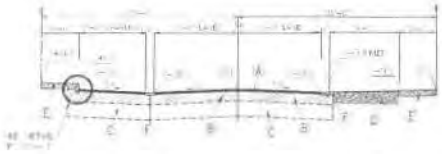
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) PROP. 2' VALLEY GUTTER

J-3 / PD-9 — N.T.S.



(A) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC (ASTM C -1272)
(B) 2" SAND BASE COURSE
(C) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(D) 12" STABILIZED SUBGRADE
(E) TYPE "F" MEDIAN CURB AND GUTTER
(F) SOLID SOD
(G) PROP. TYPE "F" CURB & GUTTER
(H) PROP. 5' SIDEWALK

H-3 / PD-9 — N.T.S.



(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) PROP. 2' VALLEY GUTTER

J / PD-9 — N.T.S.

(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP
(F) PROP. 2' VALLEY GUTTER
(G) PROP. 5' SIDEWALK

J-4 / PD-9 — N.T.S.

MIGUEL A. FERNANDEZ
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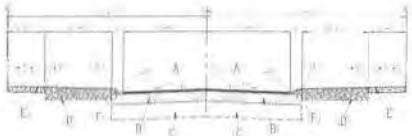
DORAL COMMONS

TITLE OF DRAWING: PAVEMENT / ROADWAY CROSS SECTIONS

OWNER: TERRA DORAL COMMONS, LLC

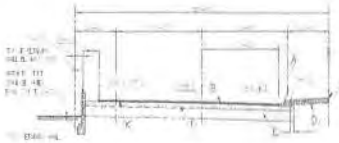
SCALE	N.T.S.
DRAWING BY	F. ZENAGA
DESIGN BY	F. ZENAGA
REVIEWED BY	M. HERNANDEZ
DATE	09/25/12
PROJECT No.	12-009
SHEET	PD-9

11 of 20



(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) TYPE "F" CURB AND GUTTER

L / PD-10 — N.T.S.



(A) TYPE "F" CURB AND GUTTER
(B) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(C) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
(D) CONCRETE SIDEWALK
(E) 12" STABILIZED SUBGRADE
(F) 8" BASE COURSE, PRIMED ENTIRE WIDTH

M-2 / PD-10 — 70' ROW N.T.S.

(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) PROP. 5' SIDEWALK
(E) PROP. TYPE "F" CURB & GUTTER

Q / PD-10 — N.T.S.

(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) PROP. 5' SIDEWALK
(F) PROP. TYPE "F" CURB AND GUTTER

L-1 / PD-10 — 90' ROW N.T.S.

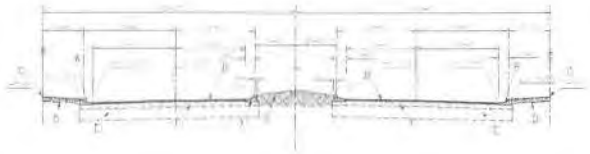
(A) TYPE "F" CURB AND GUTTER
(B) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(C) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
(D) CONCRETE SIDEWALK
(E) 12" STABILIZED SUBGRADE
(F) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(G) MEDIAN SOLID SOD
(H) TYPE "F" MEDIAN CURB AND GUTTER

M-1 / PD-10 — 80' ROW N.T.S.

N.W. 87TH AVE. (PUBLIC ROAD)

(A) PAVING BRICK FOR HEAVY VEHICULAR TRAFFIC (FDOT F-1771)
(B) 4" CIMP BASE COURSE
(C) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(D) 12" STABILIZED SUBGRADE
(E) TYPE "F" MEDIAN CURB
(F) 6" STAMPED CONCRETE APRON (MODIFIED) (MODIFIED PER FDPWD STANDARD INDEX)
(G) SOLID SOD
(H) PROP. TYPE "F" CURB & GUTTER
(I) PROP. 5' SIDEWALK

B / PD-10 — N.T.S.

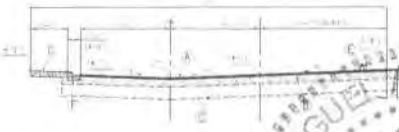


(A) TYPE "F" CURB AND GUTTER
(B) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(C) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
(D) CONCRETE SIDEWALK
(E) 12" STABILIZED SUBGRADE
(F) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(G) MEDIAN SOLID SOD
(H) TYPE "F" MEDIAN CURB AND GUTTER

M / PD-10 — 80' ROW N.T.S.

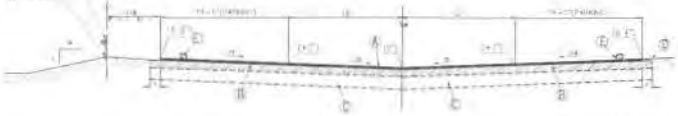
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

Q / PD-10 — N.T.S.



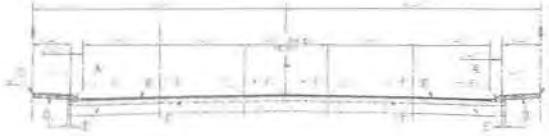
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP
(F) PROP. TYPE "F" CURB & GUTTER
(G) PROP. 5' SIDEWALK

Q / PD-10 — N.T.S.



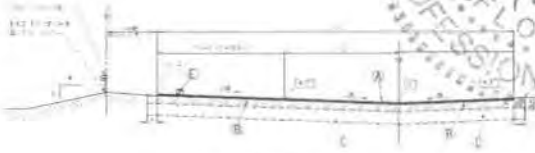
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

F / PD-10 — N.T.S.



(A) TYPE "F" CURB AND GUTTER
(B) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(C) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
(D) CONCRETE SIDEWALK
(E) 12" STABILIZED SUBGRADE
(F) 8" BASE COURSE, PRIMED ENTIRE WIDTH

M-1 / PD-10 — 70' ROW N.T.S.



(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK ((2) 3/4" LIFT (S-3))
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) SOLID SOD
(E) WHEEL STOP

F-1 / PD-10 — N.T.S.

FORD ENGINEERS, INC.
1550 N.W. 5th AVENUE, 2nd FLOOR
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FAX (305) 476-2805

MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12-21-14

DORAL COMMONS

PAVEMENT / ROADWAY CROSS SECTIONS

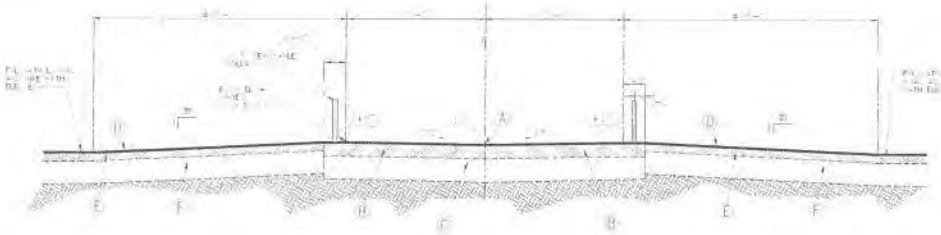
TERRA DORAL COMMONS, LLC.

SEC. 29, 30, 31 & 32 TOWNSHIP 53 S. RANGE 40 EAST
CITY OF DORAL, MIAMI-DADE FLORIDA

PROJ. LOC.: SOUTHWEST CORNER OF NW 87th AVENUE & NW 25th STREET

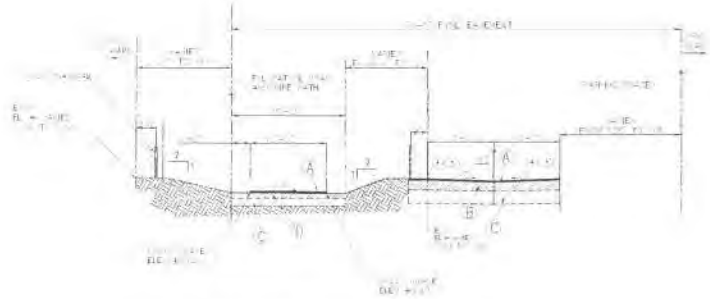
SCALE:	N.T.S.
DESIGNED BY:	F.OZNAGA
DRAWN BY:	F.OZNAGA
REVIEWED BY:	M. HERNANDEZ
SIT #:	
DATE:	06/25/12
PROJECT No.:	12-009

SHEET: PD-10
12 of 20



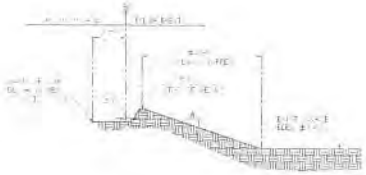
(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK (2) 3/4" LIFT (S-3)
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK (TYPE III)
(E) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(F) 12" SUBGRADE COMPACTED TO 95% AASHTO T-180

N1 PD-1 FPL PATROL ROAD AND BIKE PATH
NTS



(A) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK (TYPE III)
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" SUBGRADE COMPACTED TO 95% AASHTO T-180
(D) 8" BASE COURSE, PRIMED ENTIRE WIDTH

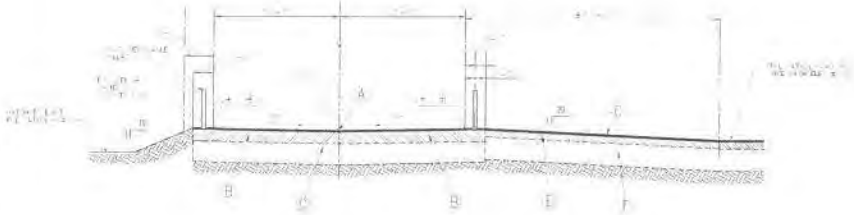
N2 PD-1 FPL EASEMENT WETLAND SECTION
NTS



N5 PD-5 FPL EASEMENT WETLAND SECTION
NTS

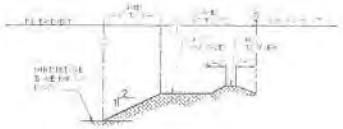
(A) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK (TYPE III)
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" SUBGRADE COMPACTED TO 95% AASHTO T-180

N3 PD-11 FPL EASEMENT WETLAND SECTION
NTS

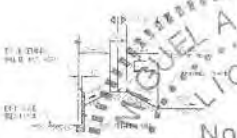


(A) ASPHALTIC CONCRETE SURFACE COURSE 1 1/2" THICK (2) 3/4" LIFT (S-3)
(B) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(C) 12" STABILIZED SUBGRADE
(D) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK (TYPE III)
(E) 8" BASE COURSE, PRIMED ENTIRE WIDTH
(F) 12" SUBGRADE COMPACTED TO 95% AASHTO T-180

N1 PD-1 FPL PATROL ROAD AND BIKE PATH
NTS



N6 PD-11 FPL EASEMENT WETLAND SECTION
NTS



BERM DETAIL AT PROPERTY LINE

N4 PD-11

MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12-2-13

FORD ENGINEERS, INC.
1550 N.W. 84th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33126
PH. (305) 477-8472
FAX (305) 477-8515

DORAL COMMONS

TYPE OF PROJECT: PERIMETER SECTIONS

OWN: TERRA DORAL COMMONS, LLC

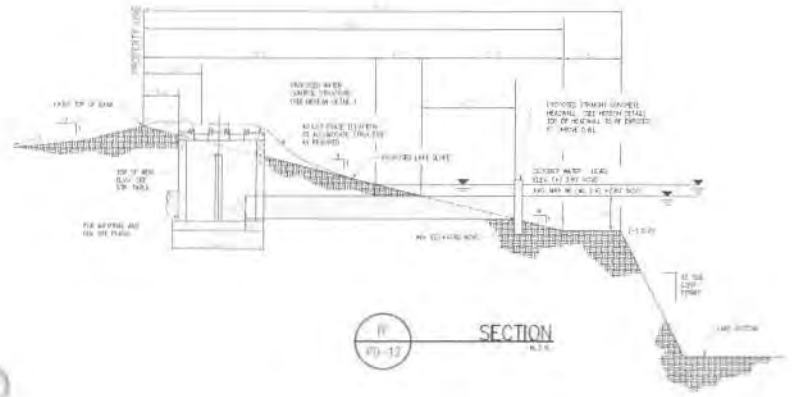
CIVIL: FPL LIC. SECTION 8, TOWNSHIP 53 SOUTH, RANGE 40 EAST
CITY OF DORAL, MIAMI-DADE COUNTY, FLORIDA

CHART NAME: 3870 SOUTH BAYSHORE DRIVE
COCONUT GROVE, FLORIDA 33133

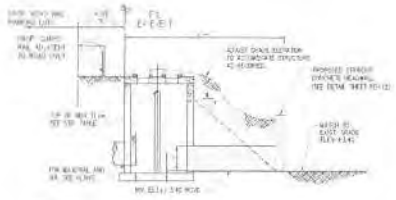
FORD ENGINEERS
CERTIFICATE OF AUTHORIZATION No. 1901

SCALE: N.T.S.
DESIGNED BY: F.IZNAGA
DRAWN BY: F.IZNAGA
SPECIFIED BY: M. HERNANDEZ
DATE: 05-25-13
PROJECT No.: 12-009

PD-11
13 of 20



R
PD-12
SECTION
N.T.S.



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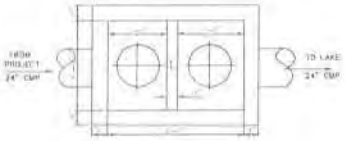
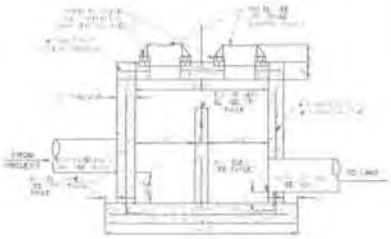
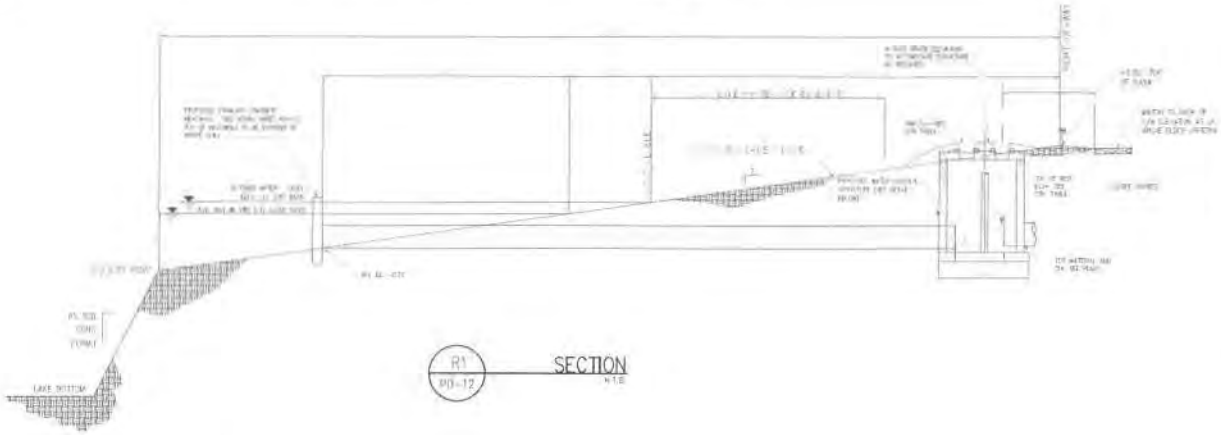


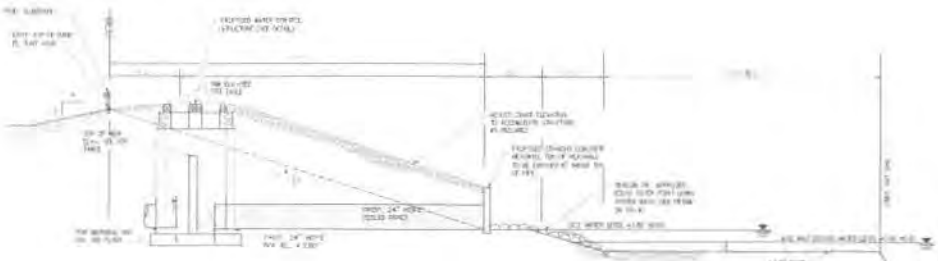




R1
PD-12
SECTION
N.T.S.

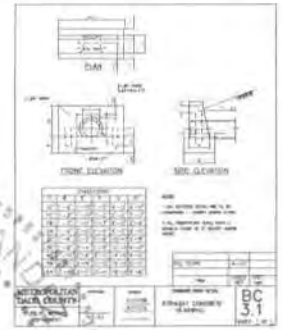
WATER CONTROL STRUCTURES TABULATION

STRUCTURES NUMBERS	CREST OF WEIR	SOLID PIPE ELEVATION	SOLID PIPE DIRECTION	OUTFALL ELEVATION	OUTFALL DIRECTION	WEIR ELEVATION	BOTTOM ELEVATION	STRUCTURES SIZE
1	6.15	3.50	N	3.80	E	6.00	6.85	[illegible]
2	6.70	3.50	E	(-0.20)	W	6.00	(-0.40)	[illegible]
3	6.75	3.75	E	3.60	N	6.00	0.55	[illegible]
4	6.10	3.50	E	3.80	N	6.00	3.55	[illegible]
5	6.10	3.75	N	3.40	E	6.00	3.15	[illegible]
6	6.70	3.75	E	3.40	N	6.00	3.75	[illegible]



R2
PD-12
SECTION
N.T.S.

WATER CONTROL STRUCTURE
W/ LAKE SECTION



MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FORD ENGINEERS, INC.
1550 N.W. 84th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33172
PH: (305) 477-6472
FAX: (305) 477-2835

DORAL COMMONS

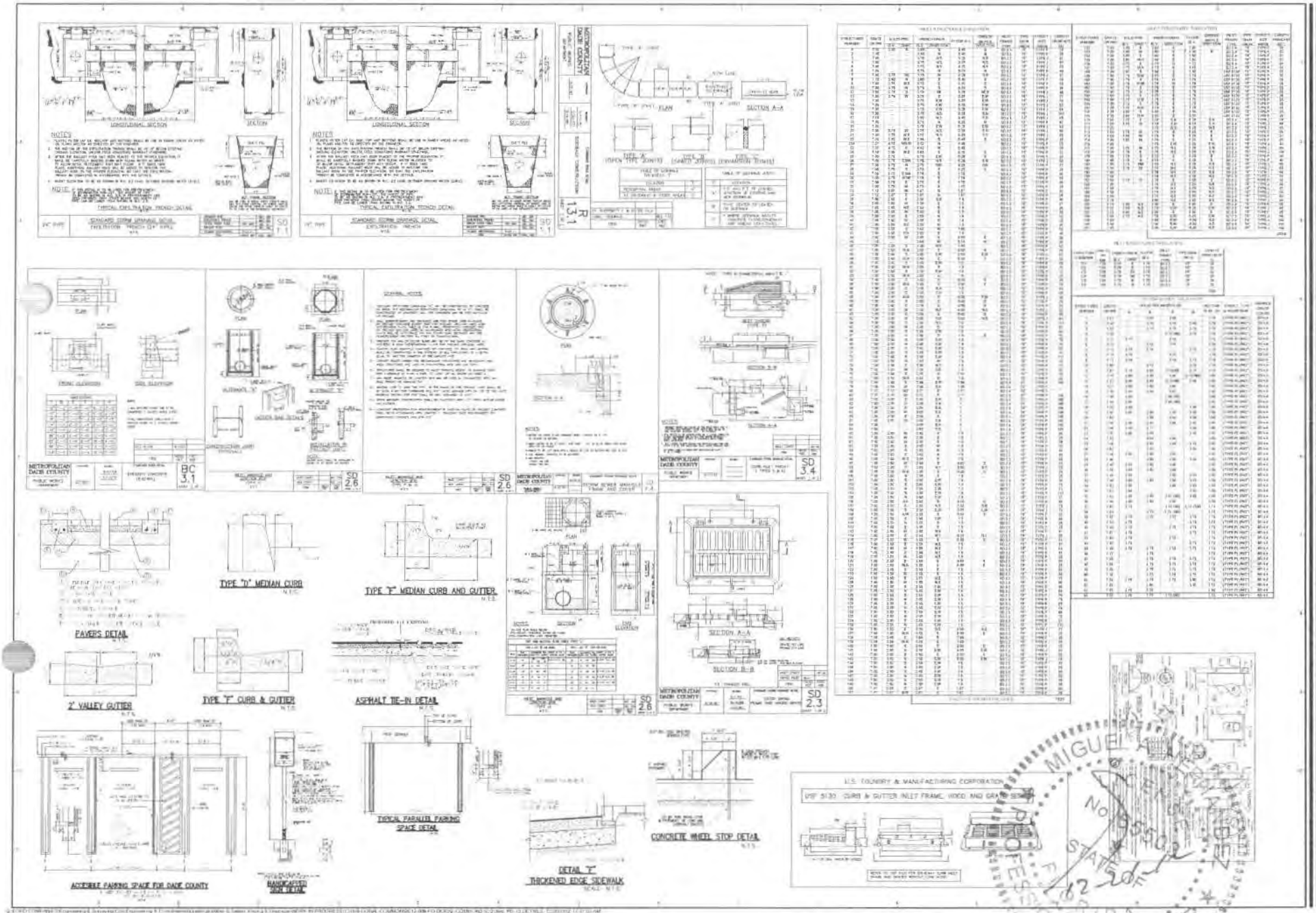
SHEET NAME: OUTFALL DETAILS

CLIENT: TERRA DORAL COMMONS, LLC.

PROJECT: TERRA DORAL COMMONS, LLC. - SECTIONS 17 AND 20 - TOWNSHIP 53 S, RANGE 40 E, CITY OF DORAL, MIAMI-DADE COUNTY, FLORIDA

SCALE:	N.T.S.
DESIGNED BY:	F. ZAPATA
DRAWN BY:	F. ZAPATA
REVIEWED BY:	M. HERNANDEZ
DATE:	05/25/12
PROJECT No:	12-009

PD-12
14 of 20



F2G ENGINEERS, INC.
1200 NW 78th AVENUE 2nd FLOOR
DORAL, FLORIDA 33172
TEL (305) 470-8470
FAX (305) 470-8805

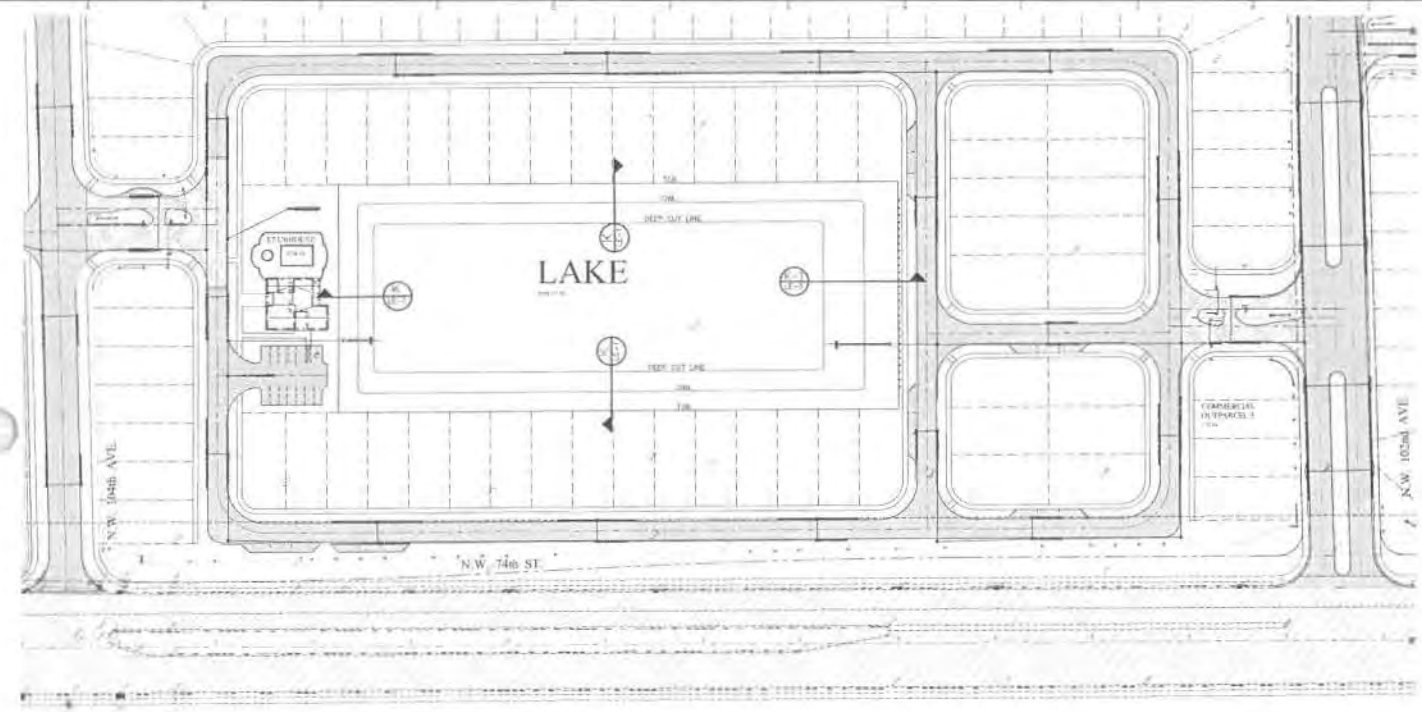
DORAL COMMONS

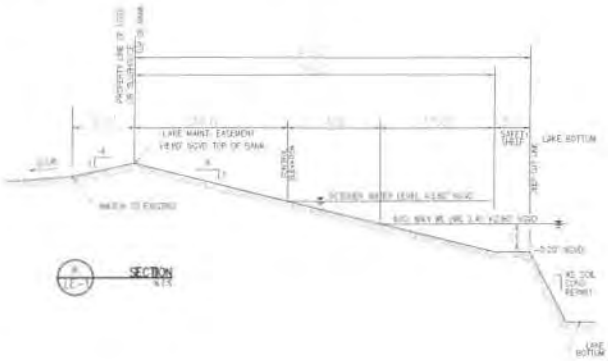
PAVING & DRAINAGE DETAILS & STRUCTURE TABLE

TERRA DORAL COMMONS, LLC

SCALE: N.T.S.
DESIGNED BY: F.ZUNIGA
DRAWN BY: F.ZUNIGA
CHECKED BY: M. HERNANDEZ
DATE: 05/25/13
PROJECT #: 12-009

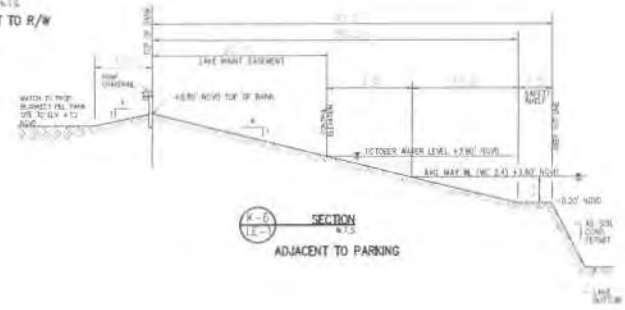
PD-13
15 of 20





SECTION
N.T.S.

SECTION
N.T.S.
ADJACENT TO R/W



SECTION
N.T.S.
ADJACENT TO PARKING

MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12-2-13

FORD ENGINEERS, INC.
1550 N.W. 57th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33126
PH. (305) 477-6472
FAX (305) 470-0815

REVISIONS	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

DORAL COMMONS

PROJECT NAME: LAKES EXCAVATION PLAN (WEST LAKE)

OWNER: TERRA DORAL COMMONS, LLC

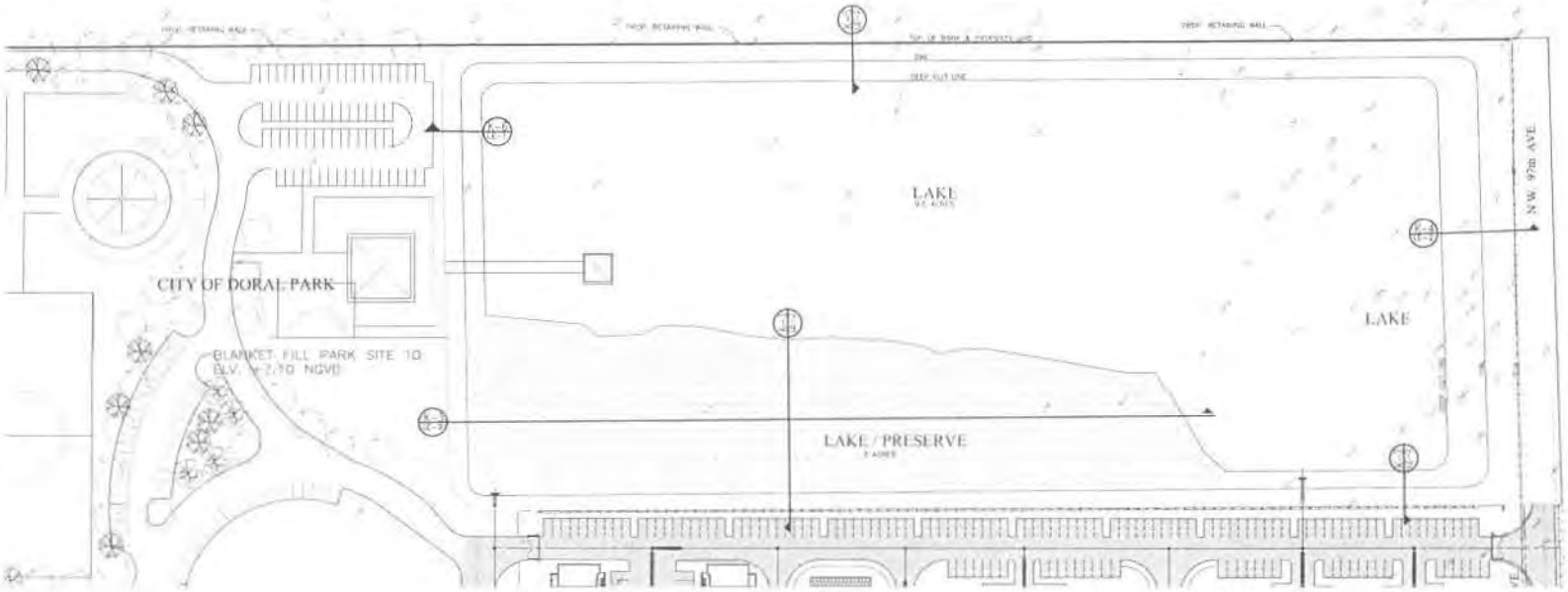
TAX PARCEL: 35-3030-000-0010

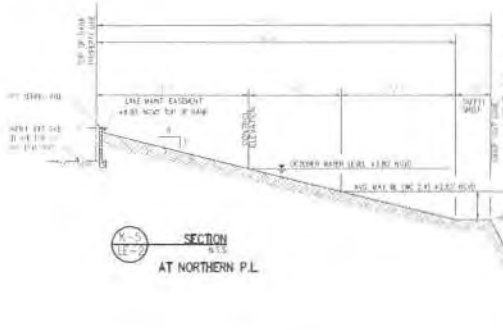
LEGAL DESCRIPTION: PALL LOT, SECTION 8, TOWNSHIP 53 SOUTH, RANGE 40 EAST, CITY OF DORAL, MIAMI-DADE COUNTY, FLORIDA

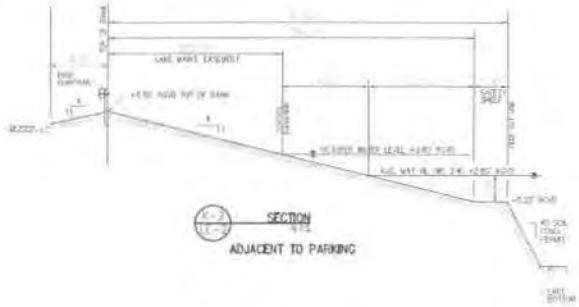
SHEET: 1 OF 1 PROJECT ENGINEER: M. HERNANDEZ

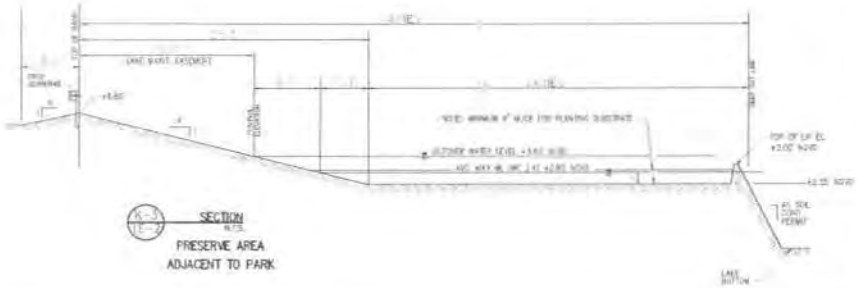
SCALE: 1"=50'
DESIGNED BY: G. GRAUPERA
DRAWN BY: G. GRAUPERA
CHECKED BY: M. HERNANDEZ
REV #:
DATE: 05/25/13
PROJECT No.: 12-009

SHEET: LE-1
16 of 20









MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FORD ENGINEERS, INC.
1551 N.W. 54th AVENUE, 2nd FLOOR
DORAL, FLORIDA 33172
PH. (305) 477-6472
FAX (305) 477-2815

DORAL COMMONS

SHEET NAME: LAKES EXCAVATION PLAN (CITY PARK LAKE)

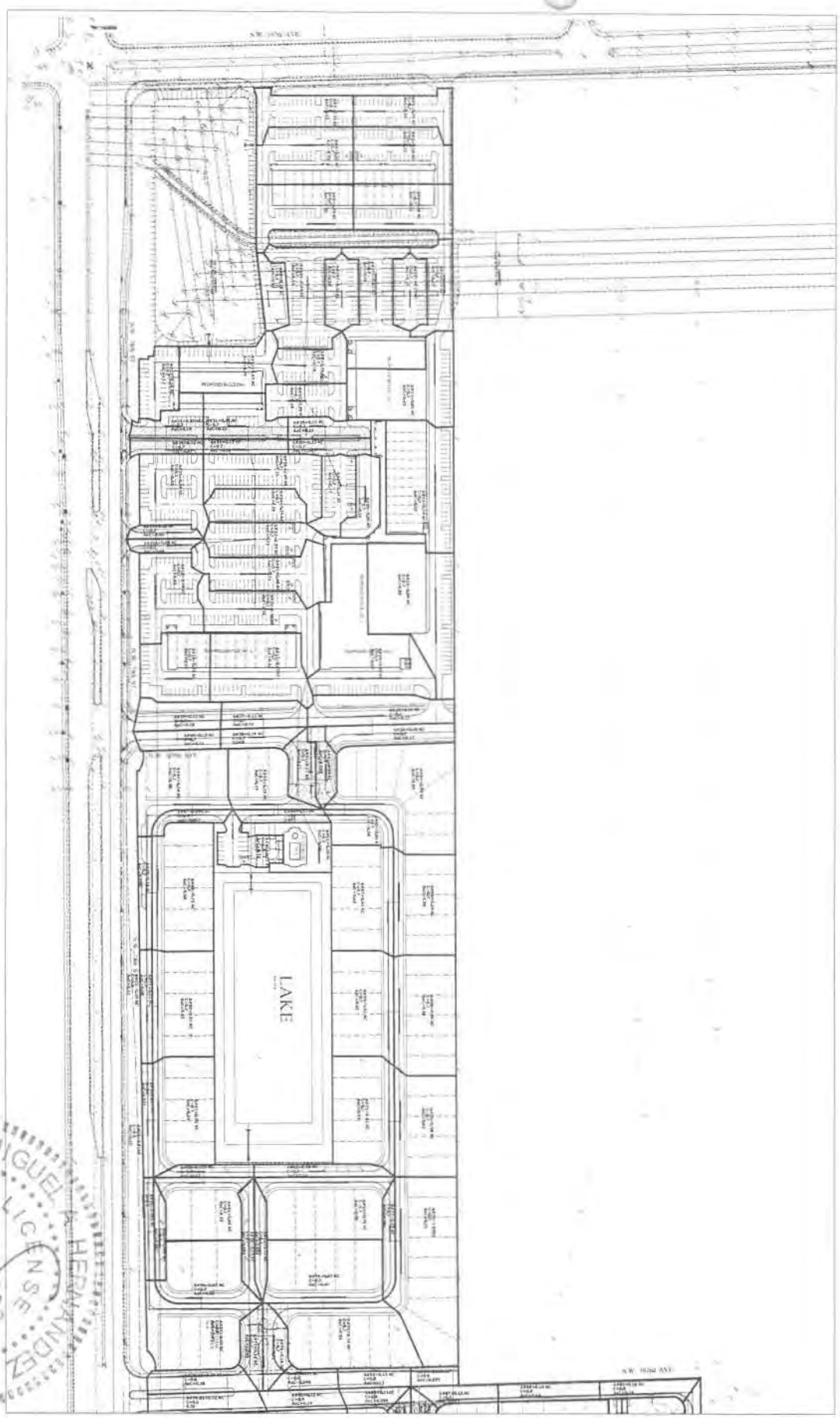
CLIENT: TERRA DORAL COMMONS, LLC

SITE ADDRESS: JOS. ESTELA TURNPIKE DRIVE
DOWNTOWN DORAL, FLORIDA 33172

PREPARED FOR: TERRA DORAL COMMONS, LLC

SCALE: 1"=60'
DRAWN BY: G. GRAUPERA
CHECKED BY: G. GRAUPERA
SET #:
DATE: 05/25/12
PROJECT No. 12-009

SHEET LE-2
17 of 20



MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DORAL COMMONS

SHEET TITLE: DRAINAGE BASIN AREAS

CLIENT: TERRA DORAL COMMONS, LLC

LOCATION: APPROX. 2205 SOUTH BANDERA DRIVE, FOCOBAR GROVE, FLORIDA 33133

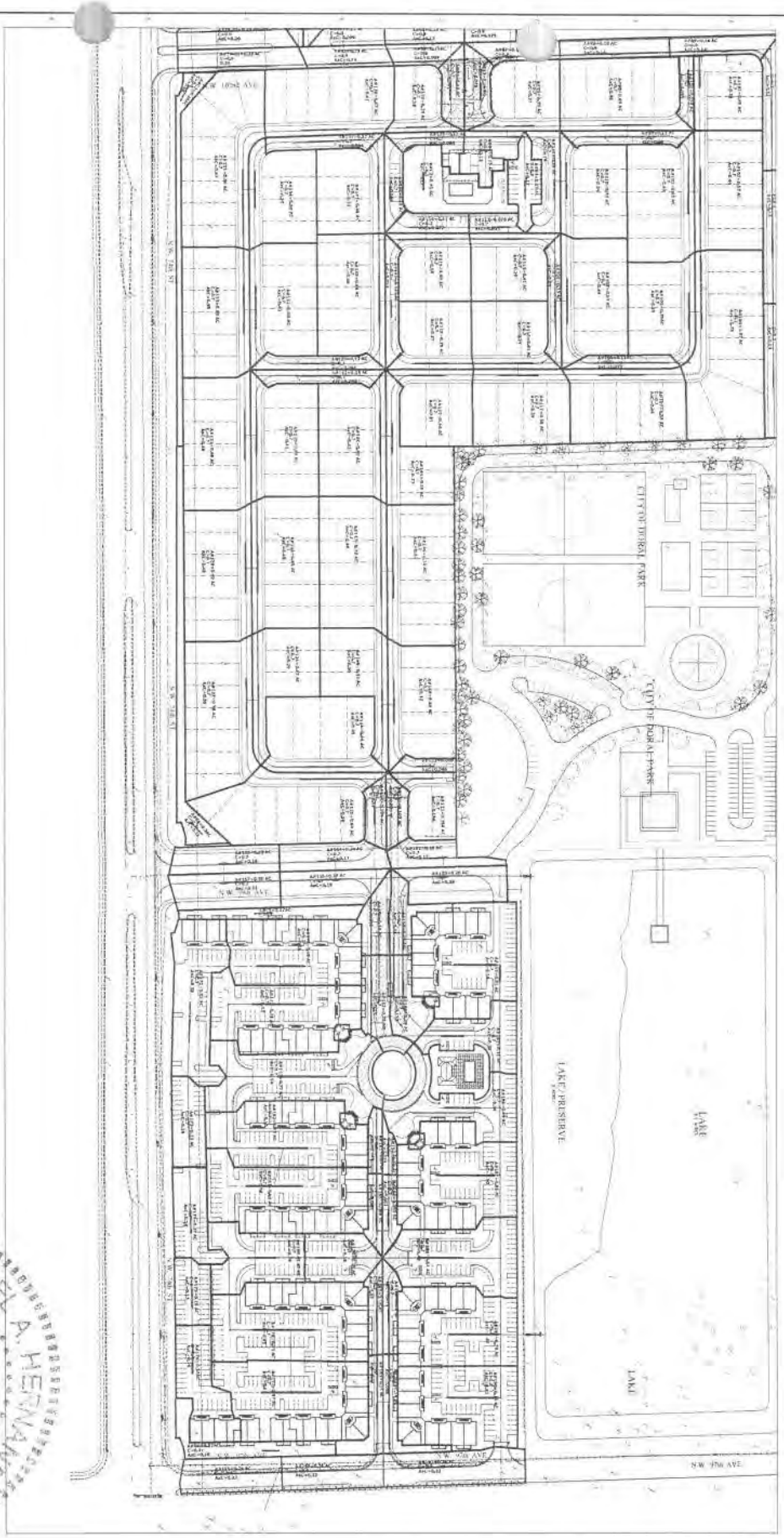
SECTION 8, TOWNSHIP 53 SOUTH, RANGE 40 EAST, CITY OF DORAL, MIAMI-DADE, FLORIDA

CIVIL ENGINEER: LICENSE NO. 65503

DATE: 12-2-12
DRAWN BY: F. CONDE
DESIGN BY: M. HERNANDEZ
S.F.: 60/70/12
PROJ. No.: 12-009

PD-14
18 of 20

FERRO ENGINEERS INC.
7780 N.W. 46th AVENUE, Suite 200
DORAL, FLORIDA 33166
PH. (305) 594-0422
FAX (305) 594-0425



MIGUEL A. HERNANDEZ
LICENSE
No. 65503
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12-21-12

DORAL COMMONS

SHEET NAME: DRAINAGE BASIN AREAS

CLIENT: TERRA DORAL COMMONS, LLC.

CLIENT ADDRESS: 2601 SOUTH BAYSHORE DRIVE
COCONUT GROVE, FLORIDA 33133

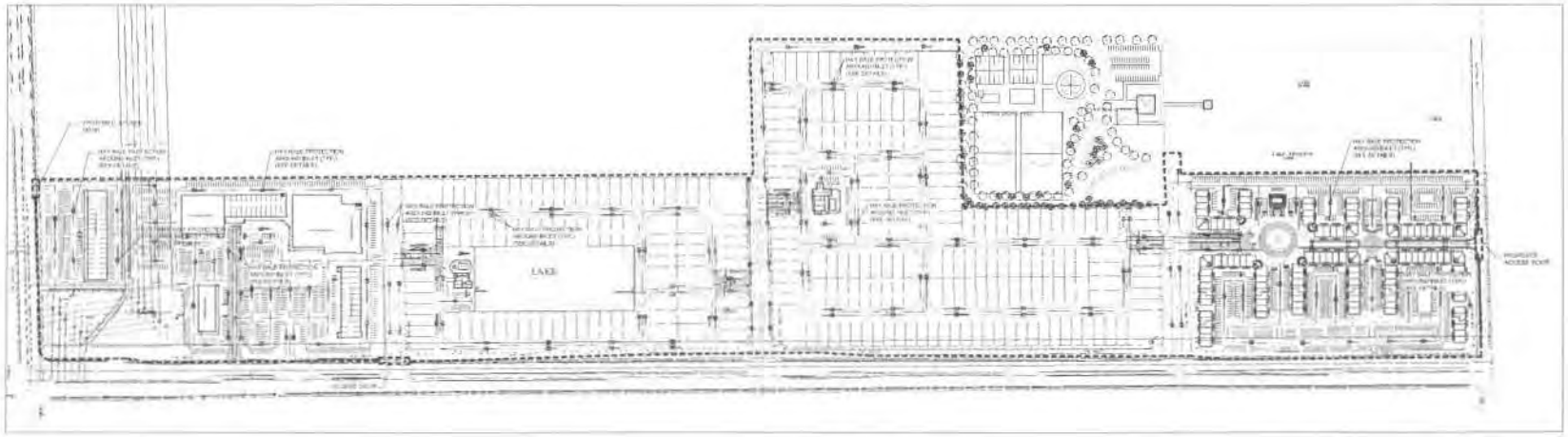
PROJECT LOC.: SECTION 8, TOWNSHIP 53 SOUTH, RANGE 40 EAST
CITY OF DORAL, MIAM-DADE, FLORIDA

CIVIL ENGINEER
CERT OF AUTHORIZATION No. 2601

DWG.	TYPE		
DESIGNED BY	F.ZUNIGA		
DRAWN BY	F.ZUNIGA		
CHECKED BY	M. HERNANDEZ		
DATE	06/25/12		
PROJECT No.	12-009		
SHEET	PD-15		
	19 of 20		

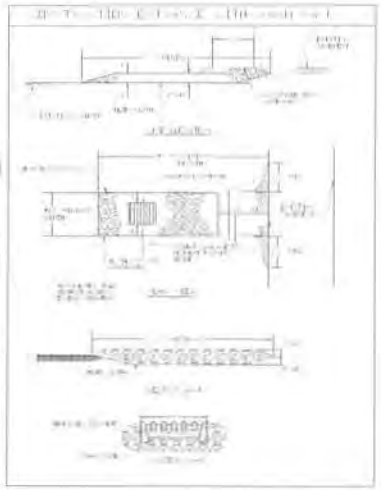
NO.	DATE	REVISION	BY

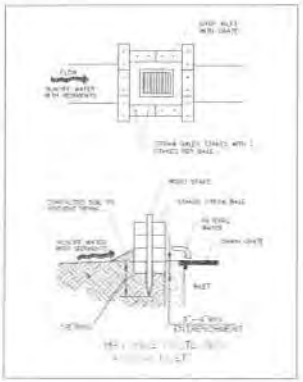
FIGUERES, INC.
1598 N.W. 84 AVENUE, SUITE 100
DORAL, FLORIDA 33172
PH: (305) 594-9966
FAX: (305) 594-9968
CERTIFICATE OF AUTHORIZATION No. 2601

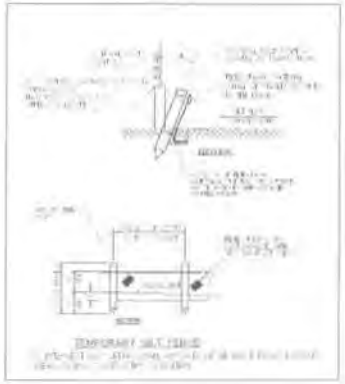


PLAN VIEW

SCALE 1"=200'

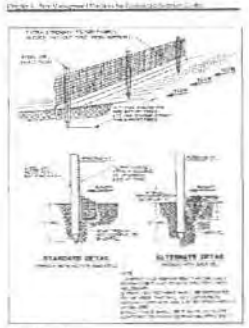






TURBIDITY AND EROSION CONTROL DETAILS

N.T.S.



SILT FENCE DETAILS

GENERAL NOTES:

1. HAY BALES SHALL BE TRENCHED 4" TO 4" AND ANCHORED WITH 2 - 1" X 2" (OR 1" (NAIL) X 4" WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER.
2. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.
3. SILT FENCES SHALL BE PROVIDED AT DROWN TO AROUND THE LAKE TO PREVENT CONSTRUCTION DEBRIS FROM WASHING INTO LAKE.
4. HAY BALES & FILTER FABRIC SHALL BE INSTALLED AT ALL NEW AND EXISTING INLETS DURING CONSTRUCTION.
5. FOR ADDITIONAL [illegible] FABRIC MATERIAL CAN BE ATTACHED [illegible] FOR SILT SCREEN WHICH IS SUPPORTED BY THE POSTS.
6. THE FABRIC MATERIAL AND THE [illegible] WHICH SHALL NOT EXCEED [illegible] THAN 34" (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
7. [illegible] FILTER BARRIERS SHALL BE INSPECTED [illegible] AFTER EACH [illegible] AND AT LEAST DAILY DURING PROLONGED RAINFALL. DAMAGED PORTIONS SHALL BE REPAIRED IMMEDIATELY.

FORD ENGINEERS, INC.
1550 N.W. 94th AVENUE 2nd FLOOR
DORAL, FLORIDA 33172
PH. (305) 477-6472
FAX (305) 477-4805

DORAL COMMONS

EROSION AND SEDIMENT CONTROL PLAN

TERRA DORAL COMMONS, LLC

SCALE	1"=200'
DESIGNED BY	F. ZIMAGA
DRAWN BY	F. ZIMAGA
REVIEWED BY	M. HERNANDEZ
DATE	05/25/12
PROJECT No.	12-009
SHEET	PD-16
	20 of 20

STATE OF FLORIDA
No. 65503
12-21-12
PROFESSIONAL ENGINEER