

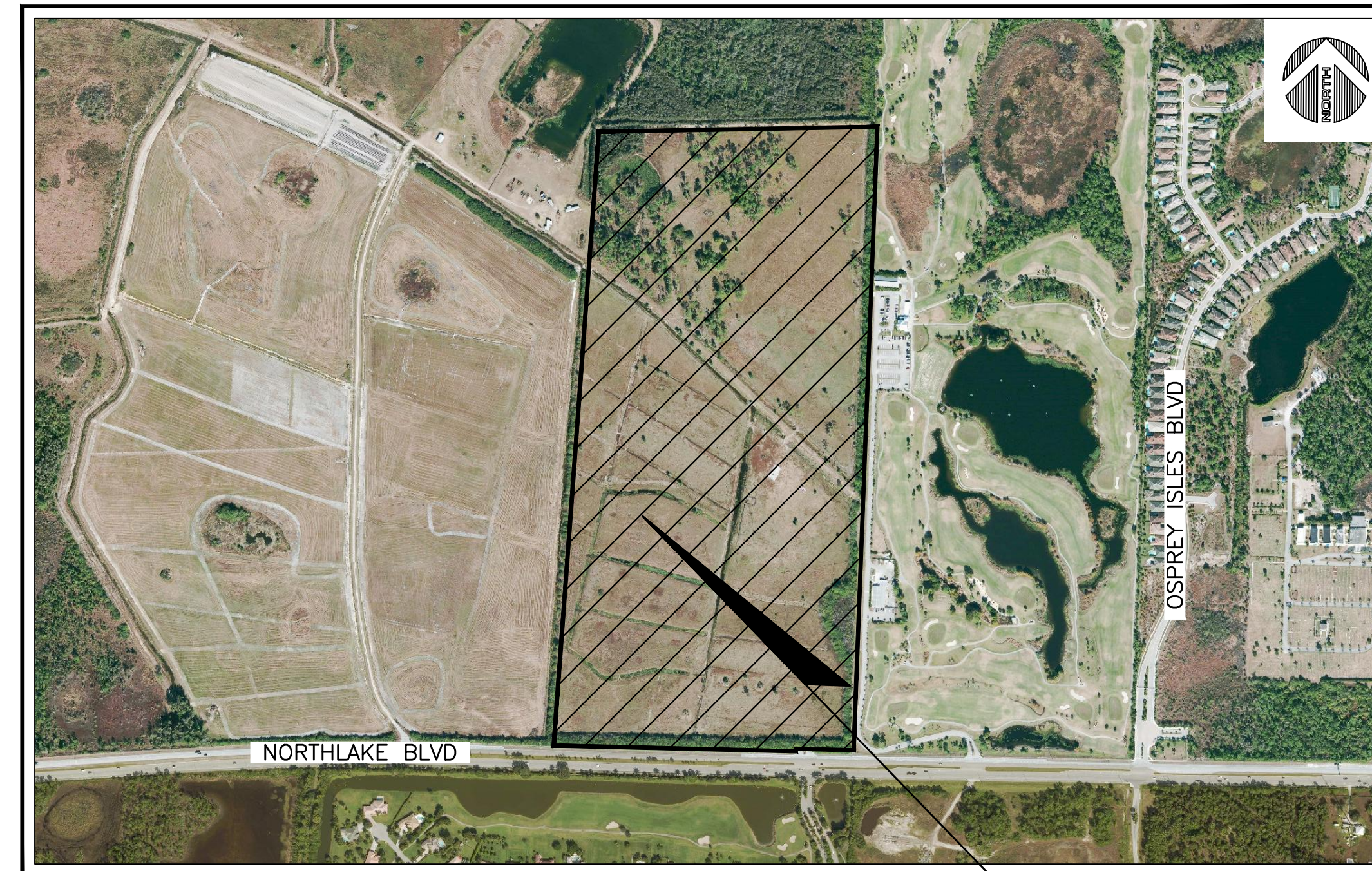
ANCIENT TREE

PULTE

PALM BEACH GARDENS, PALM BEACH COUNTY, FLORIDA

LEGEND

	DRAINAGE STRUCTURE DESIGNATION
	MANHOLE
	LENGTH, SIZE, AND TYPE OF PIPE
	FLOW OR WARP LINE
	RIDGE LINE
	PAVEMENT SLOPE AND DIRECTION
	DIRECTION OF OVERLAND FLOW
	PROPOSED GRADE
	EXISTING GRADE
	FINISHED FLOOR ELEVATION
	CONCRETE SIDEWALK
	EXISTING UTILITIES OR UTILITIES BY OTHERS
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVEMENT
	POLLUTION RETARDANT BAFFLE
	BLUE REFLECTOR
	UTILITY EASEMENT
	DESIGN WATER ELEVATION
	EXISTING GATE VALVE AND FIRE HYDRANT
	DOUBLE WATER SERVICE
	SINGLE WATER SERVICE
	FIRE HYDRANT AND GATE VALVE
	BACTERIOLOGICAL SAMPLING POINT
	WATER MAIN
	GATE VALVE
	FIRE HYDRANT
	SEWER MANHOLE STRUCTURE DESIGNATION
	RIM ELEVATION
	INVERT ELEVATION
	SINGLE SEWER SERVICE
	DIRECTION OF SANITARY SEWER FLOW
	R/W LINE
	PROPERTY LINE
	EXISTING ELEVATION
	EXISTING CONCRETE POWER POLE
	EXISTING WOOD POLE
	PROPOSED BERM



PROJECT LOCATION

LOCATION MAP
 PORTION OF SECTION S14-T42S-R41E
 SCALE: 1" = 600'

INDEX OF SHEETS:

DESCRIPTION:	SHEET NO.:
COVER SHEET	PDI
GENERAL NOTES AND SPECIFICATIONS	PD2
PAVING AND DRAINAGE SYSTEM - MASTER PLAN	PD3
PAVING AND DRAINAGE SYSTEM - PLAN	PD4-PD11
PAVING AND DRAINAGE SYSTEM - TYPICAL SECTIONS AND NOTES	PD12
PAVING AND DRAINAGE SYSTEM - DETAILS	PD13
STORMWATER POLLUTION PREVENTION - PLAN	SWPP1
STORMWATER POLLUTION PREVENTION - DETAILS	SWPP2

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& ASSOCIATES
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2737 Northeast 30th Place
 Fort Lauderdale, Florida 33306
 Phone: (954) 491-7811
 Authorization No. EB-26343

Always call 811 two full business days before you dig




PAVING AND DRAINAGE SYSTEM PAVEMENT MARKINGS AND SIGNAGE


Engineer of Record: CARLOS J. BALLBÉ	Project Number: 201645
Date: 01/30/2017	Sheet Number: PDI
Registered Engineer Number: 41811 State of Florida	



WETLAND #	AC
1	0.1
2	2.1
3	2.0
4	2.0
5	4.1
6	0.1
7	0.5
8	0.7
9	2.2
10	0.3
11	0.4
12	0.4
13	0.4
14	0.1
15	1.5
16	1.2
17	1.6
18	3.1
13	0.8
Total	23.6

WETLAND DITCH AREA	AC
A	0.3
B	0.2
C	0.02
D	0.1
E	0.2
F	0.03
G	0.1
H	0.2
Total	1.15

LEGEND

 - WETLAND AREAS (23.6± AC)

 - OTHER SURFACE WATERS (5.5± AC)

SCALE IN FEET

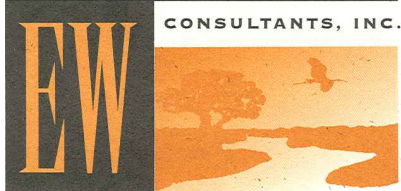


NORHLAKE BLVD

PALM BEACH COUNTY
AERIALS DATED 2015

ANCIENT TREE WETLAND MAP

ANCIENT TREE.dwg WETLAND





EW CONSULTANTS, INC.
 2581 METROCENTRE BLVD., SUITE 1
 WEST PALM BEACH, FL 33407
 561-291-7950 PHONE 561-530-4908 FAX
 WWW.EWCONSULTANTS.COM

DEC 2016
FIGURE
4

LEGEND




WATERS OF THE US/
OTHER SURFACE WATERS

(DITCH/OPEN WATER)



-  - IMPACT FILL (3.7± AC)
18,000± CUBIC YARDS OF FILL
-  - IMPACT EXCAVATE (1.8± AC)

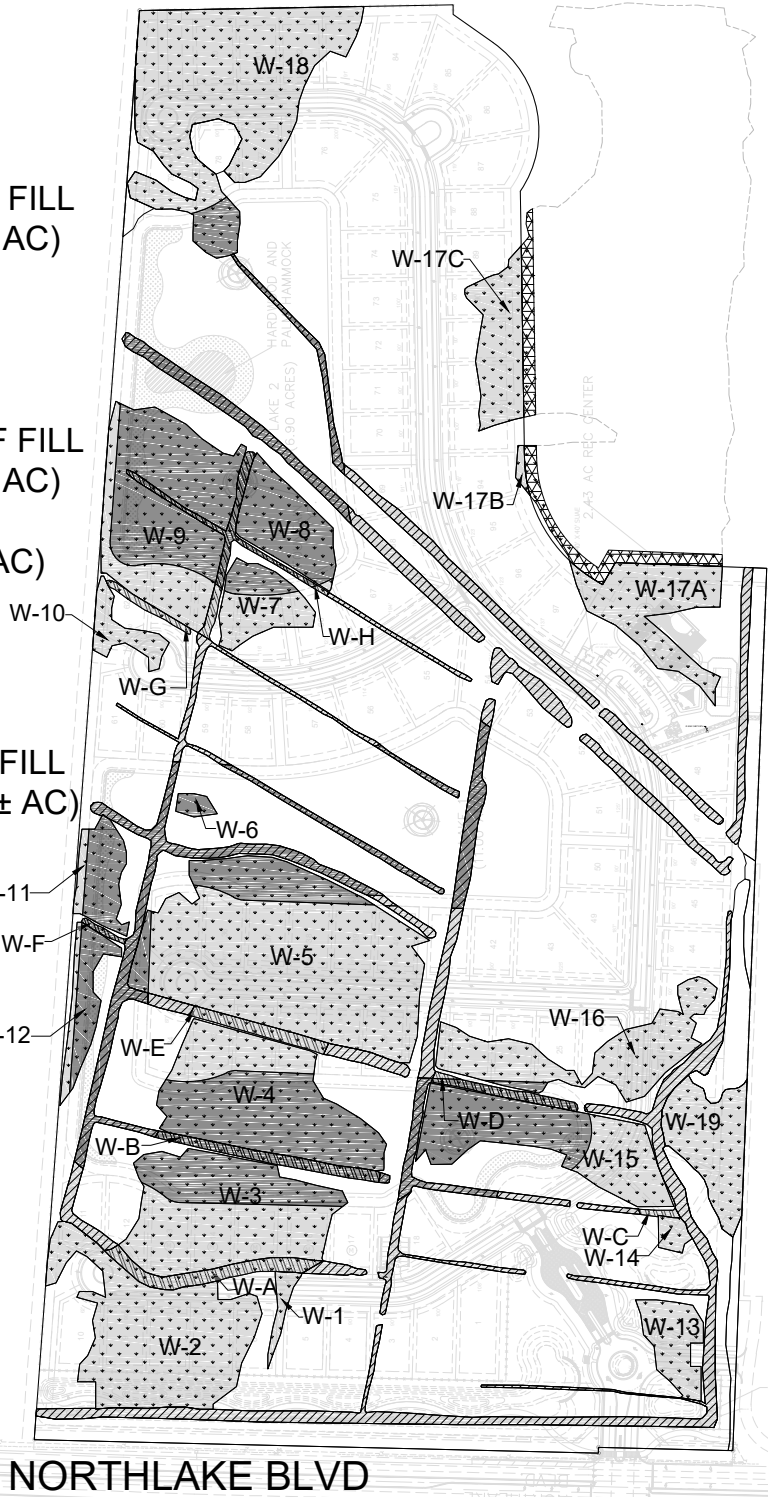
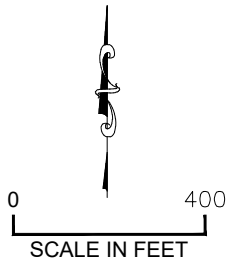
WETLAND AREAS

WETLAND

-  - IMPACT FILL (16.3± AC)
52,800± CUBIC YARDS OF FILL
-  - IMPACT EXCAVATE (7.3± AC)
-  - SECONDARY
WETLAND IMPACT (0.5± AC)

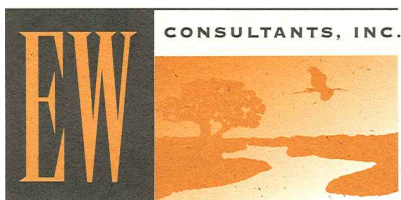
WETLAND DITCHES

-  - IMPACT FILL (0.6± AC)
1,880± CUBIC YARDS OF FILL
-  - IMPACT EXCAVATE (0.55± AC)



**ANCIENT TREE
WETLAND IMPACT MAP**

ANCIENT TREE.dwg WETLAND IMPACT WITH SEC MAP



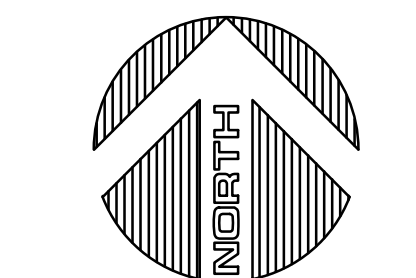
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561-291-7950 PHONE 561-530-4908 FAX
WWW.EWCONSULTANTS.COM

JAN 2017

FIGURE

5



0 300 600
 Feet
 1" = 300'



NORTHLAKE BLVD.

OSPREY ISLES BLVD.

NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

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 Drawn by: C.J.B. Date: 11/2016
 Checked by: C.J.B. Date: _____

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 Registered Engineer Number: _____
 State of Florida
 Date: 12/12/2016
41811

AERIAL
BALSAMO
 PULTE

Project Number:
201645
 Sheet Number:
1 OF 1



0 100 200
 Feet
 1" = 100'



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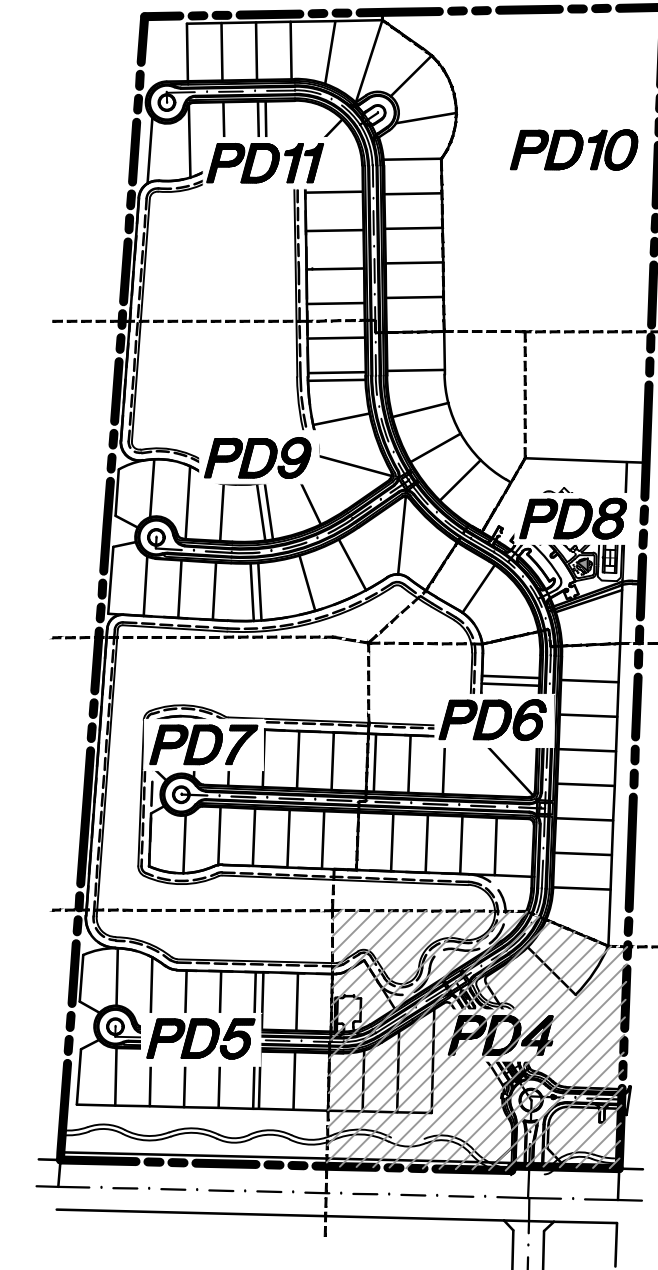
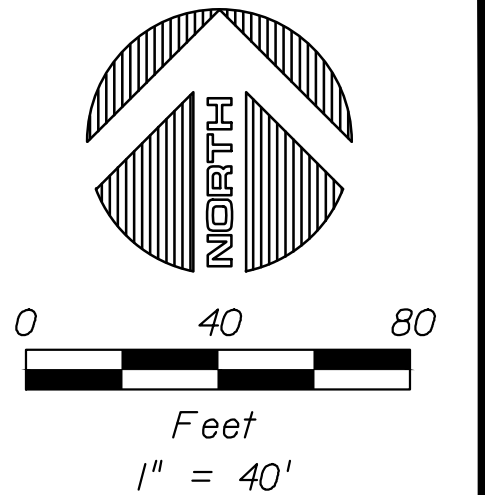
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 Authorization No. EB-26343

Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____ Date: 01/30/2017
 State of Florida: 41811

MASTER PLAN
ANCIENT TREE
PULTE GROUP

Project Number:
201645
 Sheet Number:
PD3

MATCHLINE REFER TO PD6

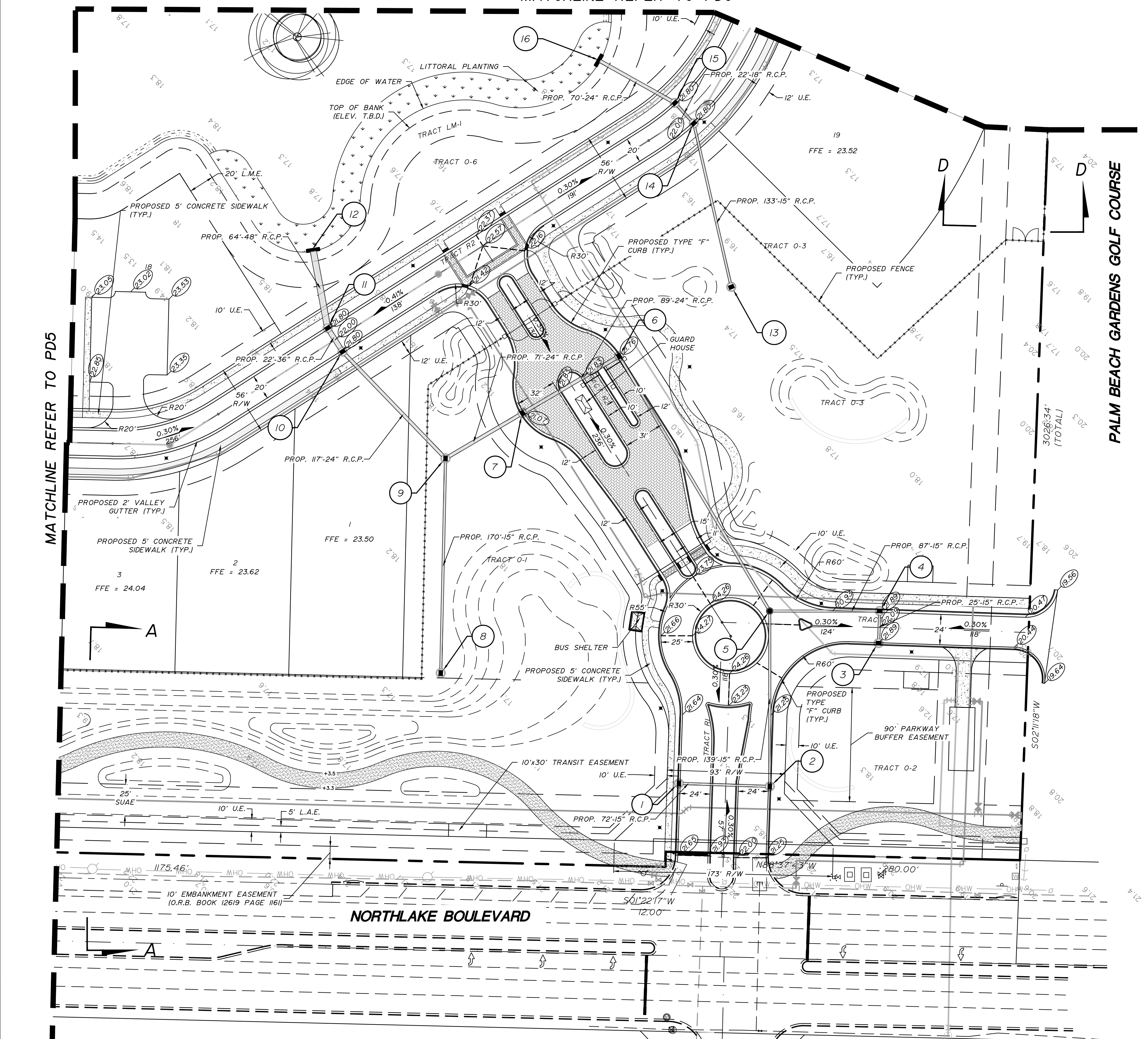


MATCHLINE REFER TO PD5

PALM BEACH GARDENS GOLF COURSE

PROP. DRAINAGE STRUCTURE SCHEDULE

- | | |
|--|---|
| <p>1 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.48
I.E. 13.00 E</p> | <p>2 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.07
I.E. 13.00 W
13.00 N</p> |
| <p>3 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.89
I.E. 13.00 N</p> | <p>4 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.83
I.E. 13.00 S
13.00 W</p> |
| <p>5 4' MANHOLE W/ USF 310
RING & COVER
R.E. 23.29
I.E. 13.00 E
13.00 S
13.00 NW</p> | <p>6 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.56
I.E. 13.00 SW
13.00 SE</p> |
| <p>7 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.07
I.E. 13.00 SW
13.00 NE</p> | <p>8 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 22.00
I.E. 13.00 N</p> |
| <p>9 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 22.00
I.E. 13.00 NE
13.00 NW
13.00 S</p> | <p>10 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 SE
13.00 NW</p> |
| <p>11 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 SE
13.00 N (P.R.B.)</p> | <p>12 11'-0" CONCRETE ENDWALL
PER F.O.T. INDEX 250
TOP OF ENDWALL: 18.58
I.E. 13.00 S</p> |
| <p>13 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 22.00
I.E. 13.00 N</p> | <p>14 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 S
13.00 NW</p> |
| <p>15 TYPE "C" CATCH BASIN W/
USF 5112-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 SE
13.00 NW (P.R.B.)</p> | <p>16 11'-0" CONCRETE ENDWALL
PER F.O.T. INDEX 250
TOP OF ENDWALL: 18.58
I.E. 13.00 SE</p> |



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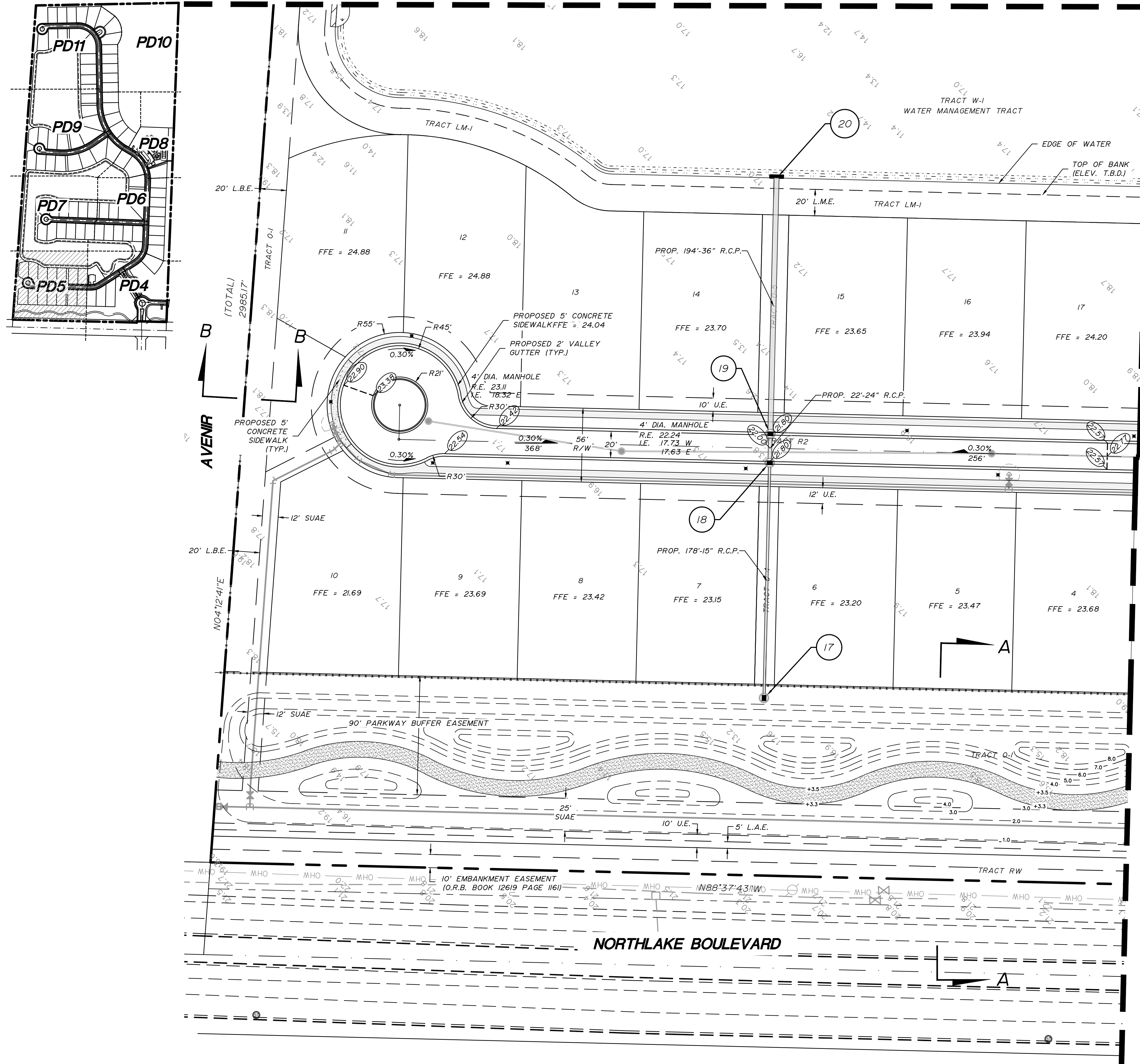
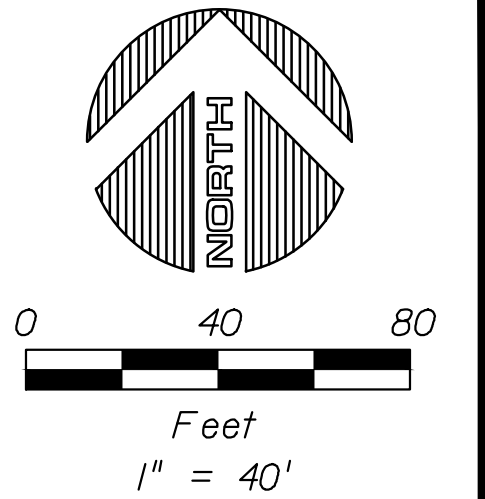
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 Fort Lauderdale, Florida 33306
 Phone: (954) 491-7811
 Authorization No. EB-26343

Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____
 State of Florida Date: 01/30/2017
 41811

PAVING AND DRAINAGE SYSTEM PLAN
ANCIENT TREE
 PULTE GROUP

Project Number: 201645
 Sheet Number: PD4

MATCHLINE REFER TO PD7



MATCHLINE REFER TO PD4

PROP. DRAINAGE STRUCTURE SCHEDULE

- | | |
|---|---|
| <p>17 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 22.00
I.E. 13.00 N</p> | <p>18 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 S
13.00 N</p> |
|---|---|
- | | |
|--|--|
| <p>19 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 S
13.00 N (P.R.B.)</p> | <p>20 11'-0" CONCRETE ENDWALL
PER F.D.O.T. INDEX 250
TOP OF ENDWALL: 18.58
I.E. 13.00 S</p> |
|--|--|

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 Checked by: _____ Date: _____



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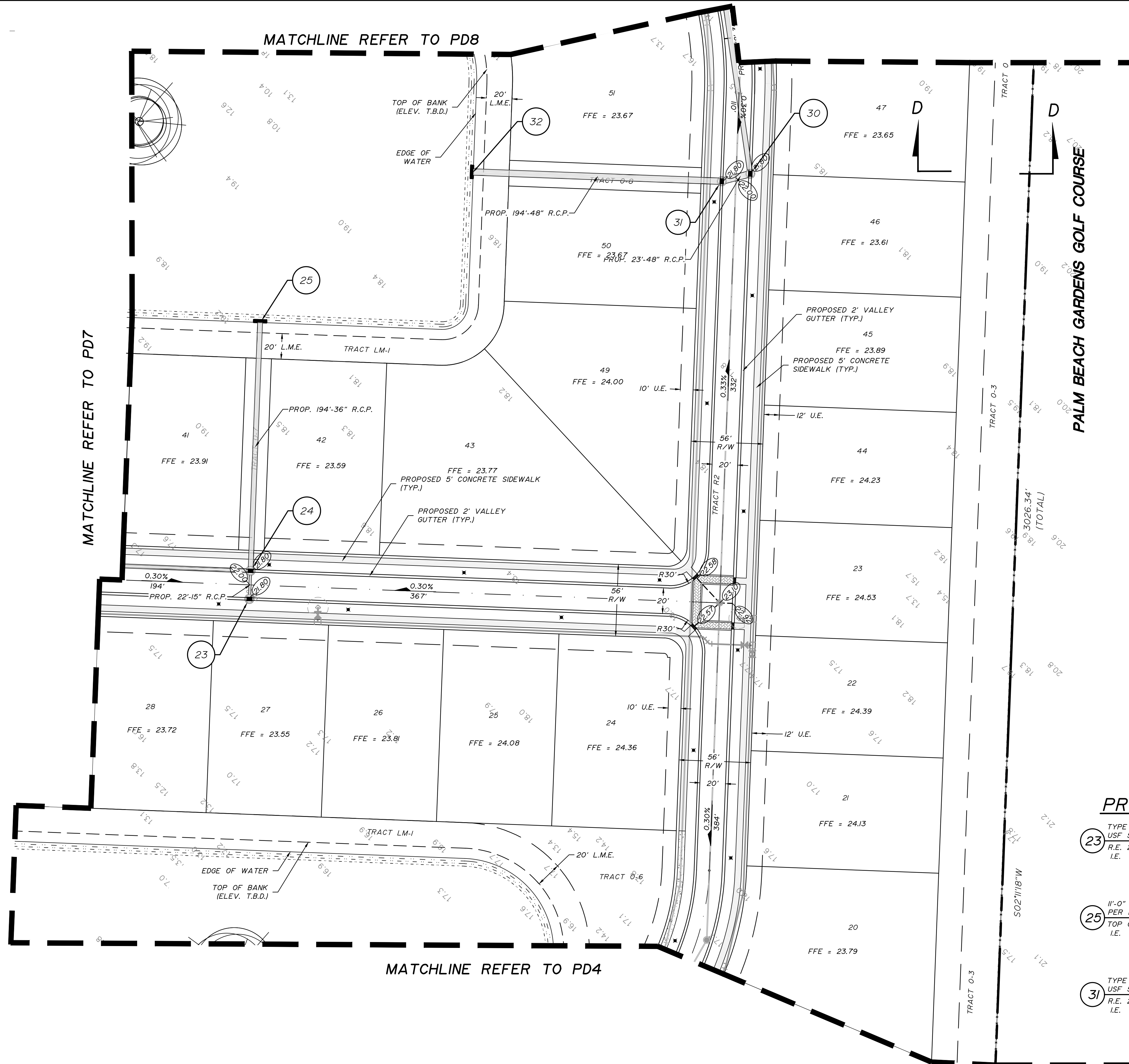
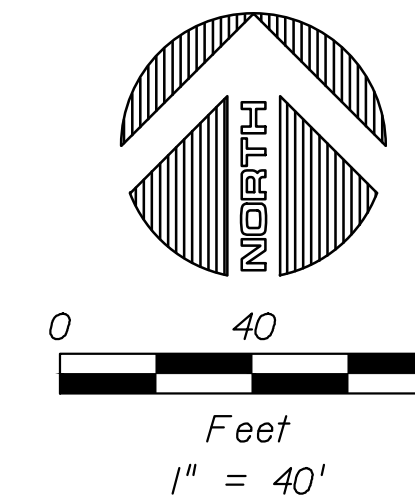
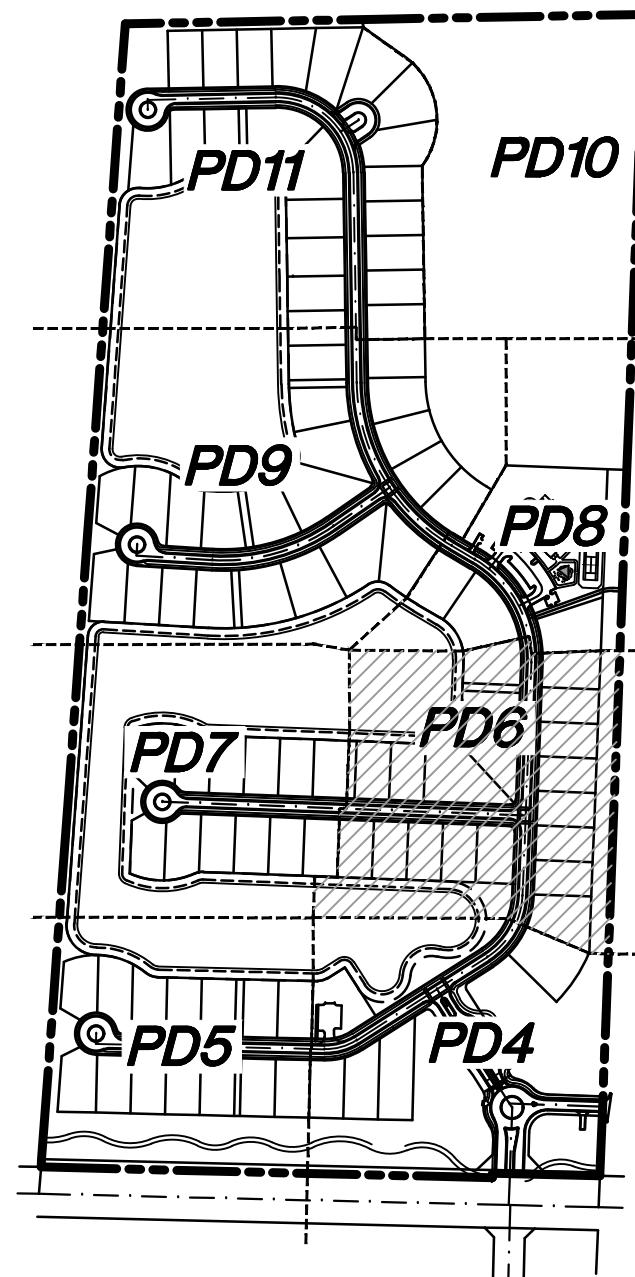
Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____
 State of Florida
 Date: 01/30/2017
 41811

**PAVING AND DRAINAGE SYSTEM
 PLAN**

**ANCIENT TREE
 PULTE GROUP**

Project Number:
201645

Sheet Number:
PD5



PROP. DRAINAGE STRUCTURE SCHEDULE

<p>23 TYPE "C" CATCH BASIN W/ USF 5112-6143 FRAME & GRATE R.E. 21.80 I.E. 13.00 N</p>	<p>24 4' MANHOLE W/ USF 5112-6143 RING & COVER R.E. 21.80 I.E. 13.00 S 13.00 N 13.00 W</p>
<p>25 11'-0" CONCRETE ENDWALL PER F.D.O.T. INDEX 250 TOP OF ENDWALL: 18.58 I.E. 13.00 S</p>	<p>30 TYPE "C" CATCH BASIN W/ USF 5112-6143 FRAME & GRATE R.E. 21.80 I.E. 13.00 W 13.00 N</p>
<p>31 TYPE "C" CATCH BASIN W/ USF 5112-6143 FRAME & GRATE R.E. 21.80 I.E. 13.00 E 13.00 W (P.R.B.)</p>	<p>32 11'-0" CONCRETE ENDWALL PER F.D.O.T. INDEX 250 TOP OF ENDWALL: 18.58 I.E. 13.00 E</p>

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 Checked by: _____ Date: _____

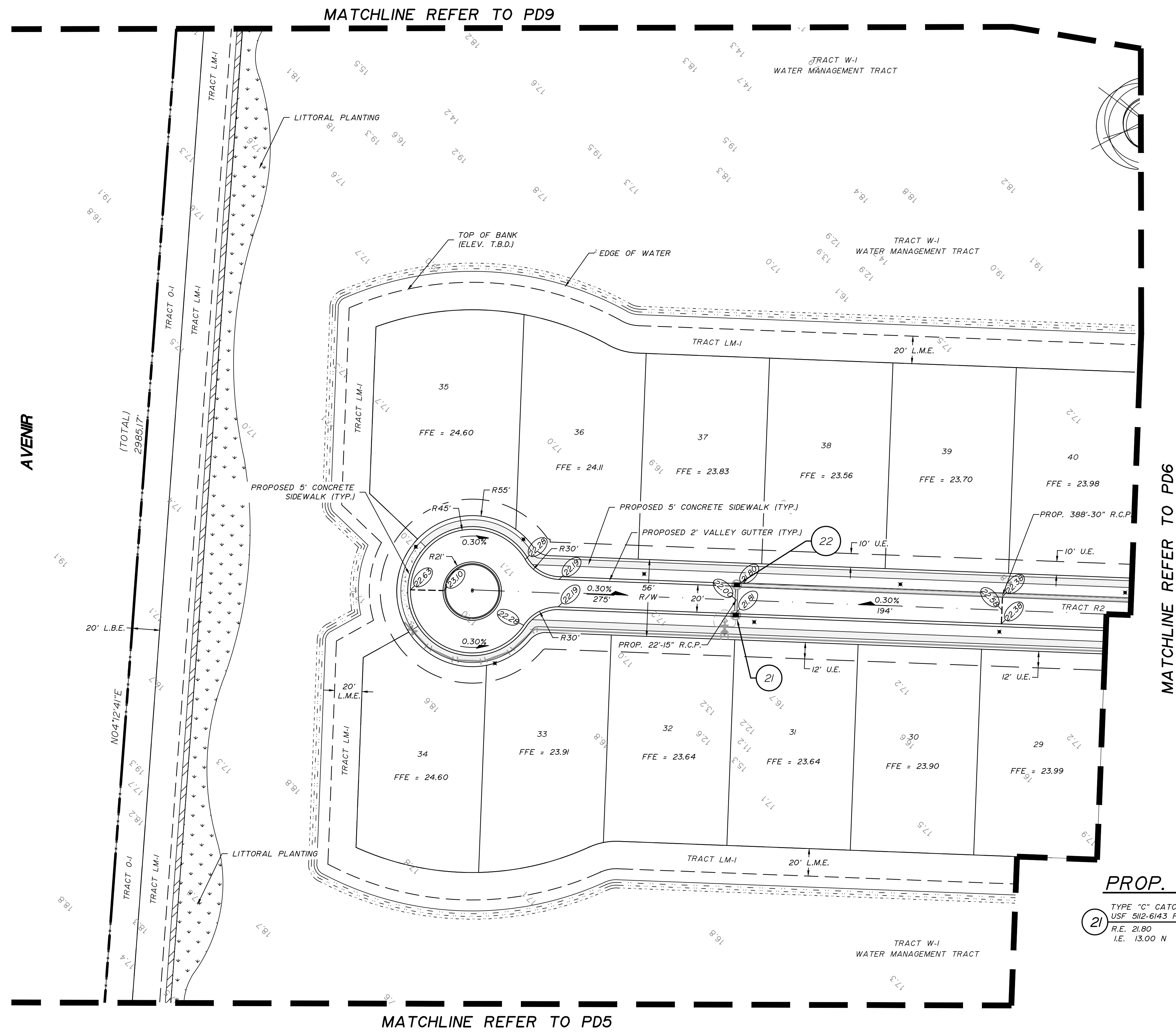
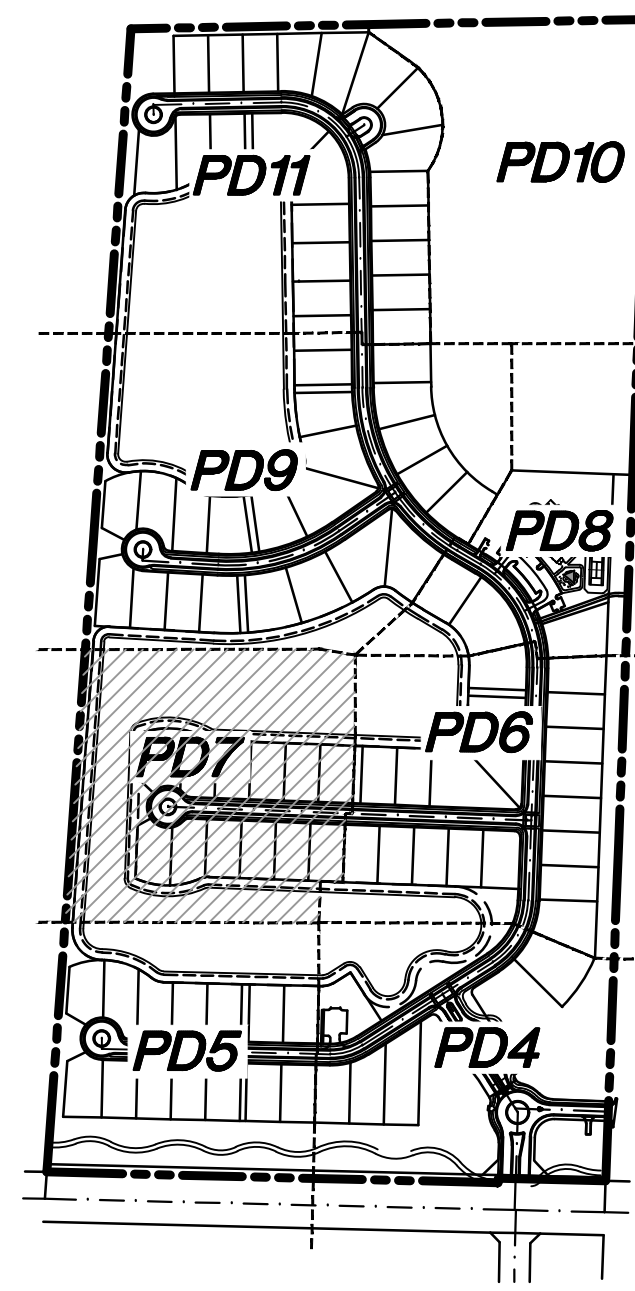
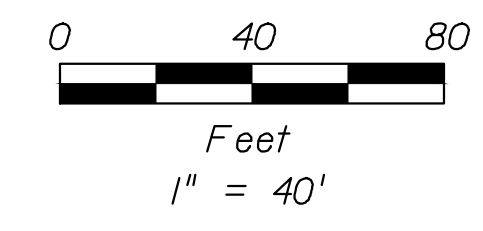
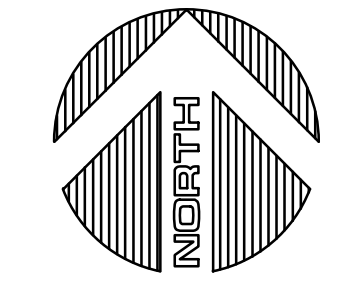
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 Fort Lauderdale, Florida 33306
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 Authorization No. EB-26343

Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____
 State of Florida
 Date: 01/30/2017
 41811

PAVING AND DRAINAGE SYSTEM PLAN
ANCIENT TREE
PULTE GROUP

Project Number:
201645
 Sheet Number:
PD6



PROP. DRAINAGE STRUCTURE SCHEDULE

21	TYPE "C" CATCH BASIN W/ USF 5112-6143 FRAME & GRATE R.E. 21.80 I.E. 13.00 N	22	TYPE "C" CATCH BASIN W/ USF 5112-6143 FRAME & GRATE R.E. 21.80 I.E. 13.00 S 13.00 E
----	--	----	---

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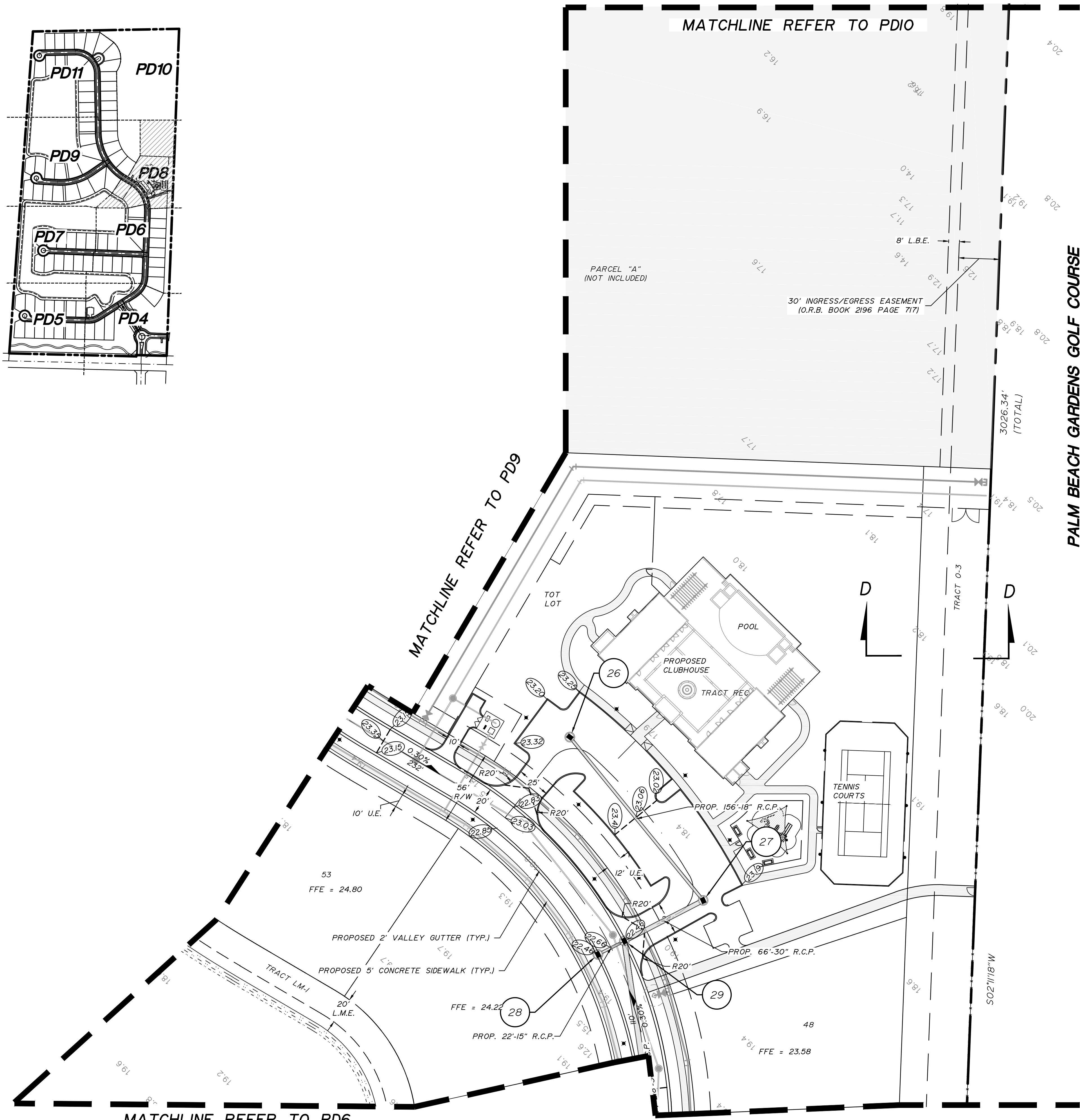
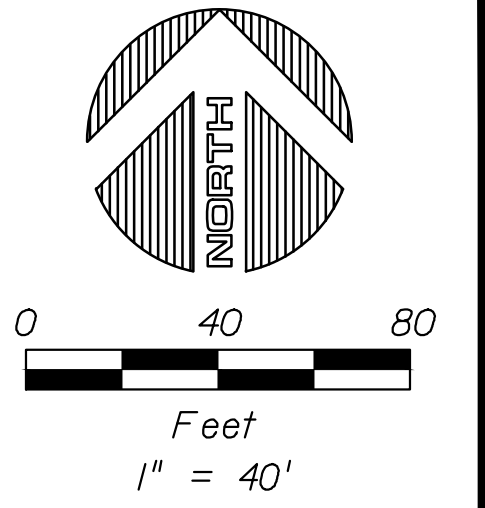
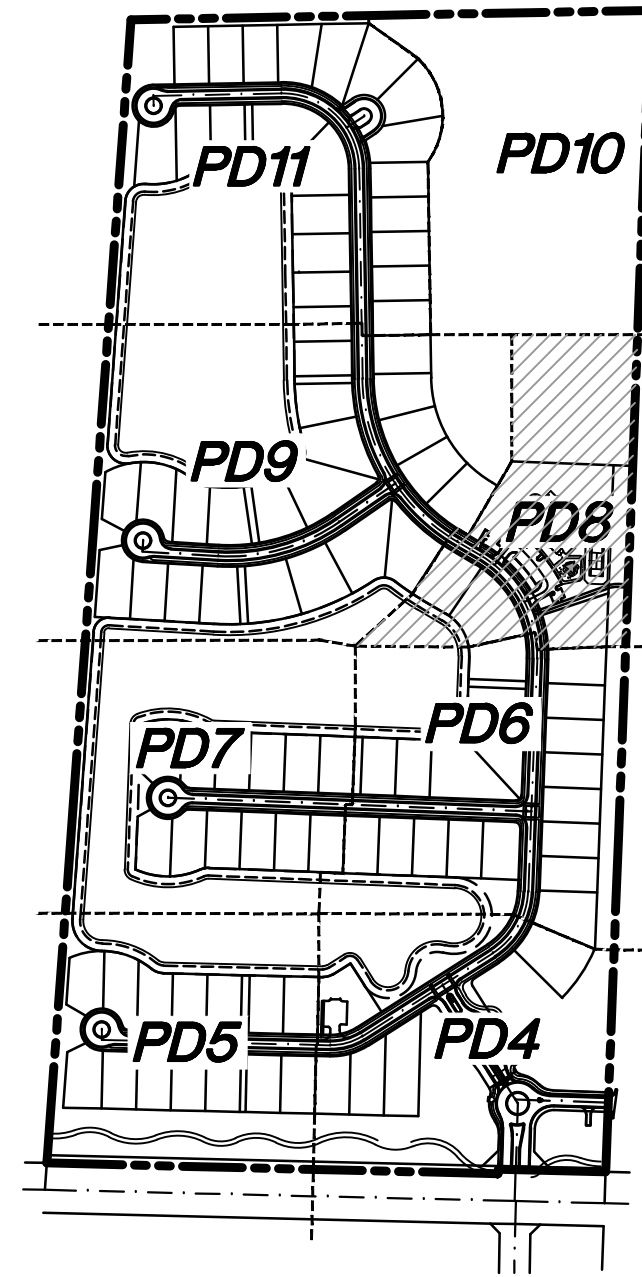
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 Authorization No. EB-26343

Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____
 State of Florida
 Date: 01/30/2017
 41811

PAVING AND DRAINAGE SYSTEM PLAN
ANCIENT TREE
PULTE GROUP

Project Number:
201645
 Sheet Number:
PD7



PALM BEACH GARDENS GOLF COURSE

PROP. DRAINAGE STRUCTURE SCHEDULE

- | | |
|---|--|
| <p>(26) TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 22.78
I.E. 13.00 SE</p> | <p>(27) TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 22.70
I.E. 13.00 NW
13.00 SW</p> |
| <p>(28) TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 22.46
I.E. 13.00 NE</p> | <p>(29) TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 22.46
I.E. 13.00 NE
13.00 S
13.00 SW</p> |

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Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____
 State of Florida: _____
 Date: 01/30/2017
 41811

**PAVING AND DRAINAGE SYSTEM
 PLAN**

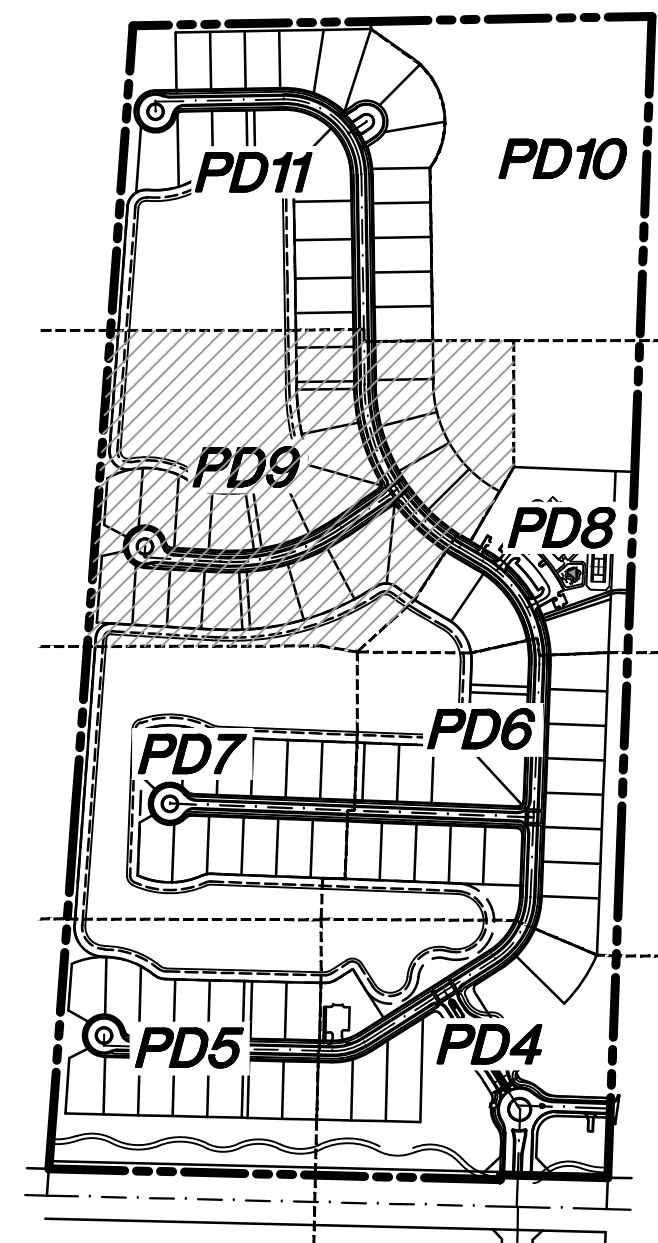
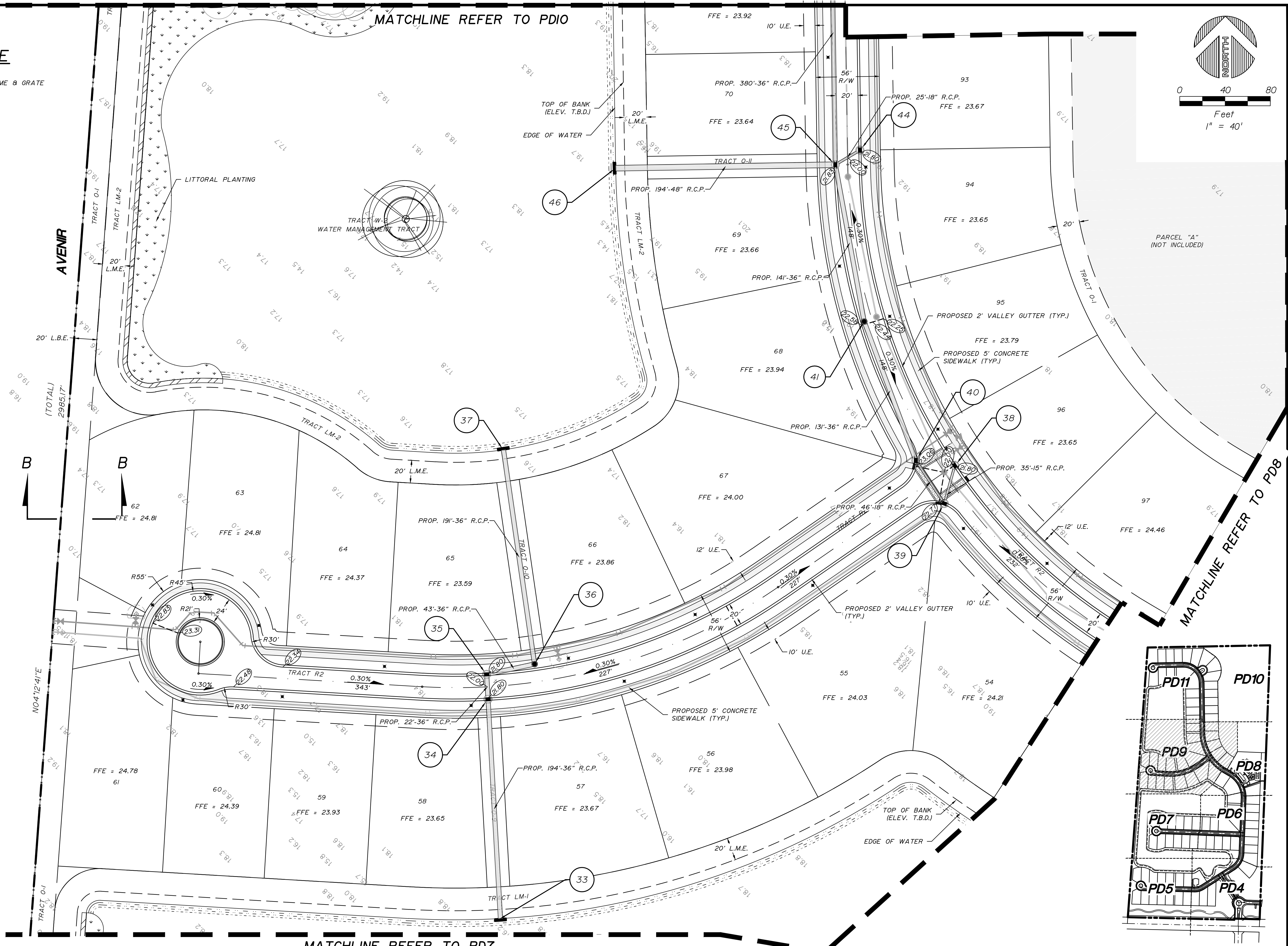
**ANCIENT TREE
 PULTE GROUP**

Project Number:
201645

Sheet Number:
PD8

**PROP. DRAINAGE
STRUCTURE SCHEDULE**

- 33 TYPE "C" CATCH BASIN W/
USF RECTANGULAR JUNCTION STRUCTURE NF FRAME & GRATE
R.E. 18.58
I.E. 13.00 N (P.R.B.)
- 34 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 S (P.R.B.)
13.00 N
- 35 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 S
13.00 E
- 36 4' MANHOLE W/ USF 310
RING & COVER
R.E. 22.01
I.E. 13.00 W
13.00 N
- 37 11'-0" CONCRETE ENDWALL
PER F.D.O.T. INDEX 250
TOP OF ENDWALL: 18.58
I.E. 13.00 S
- 38 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 S
- 39 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 22.75
I.E. 13.00 N
13.00 NW
- 40 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 23.11
I.E. 13.00 SE
13.00 N
- 41 4' MANHOLE W/ USF 310
RING & COVER
R.E. 22.48
I.E. 13.00 S
13.00 N
- 44 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 SW
- 45 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.83
I.E. 13.00 S
13.00 W (P.R.B.)
13.00 NE
13.00 N
- 46 11'-0" CONCRETE ENDWALL
PER F.D.O.T. INDEX 250
TOP OF ENDWALL: 18.58
I.E. 13.00 E



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

Designed by: C.J.B. Date: 11/2016
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 Checked by: _____ Date: _____

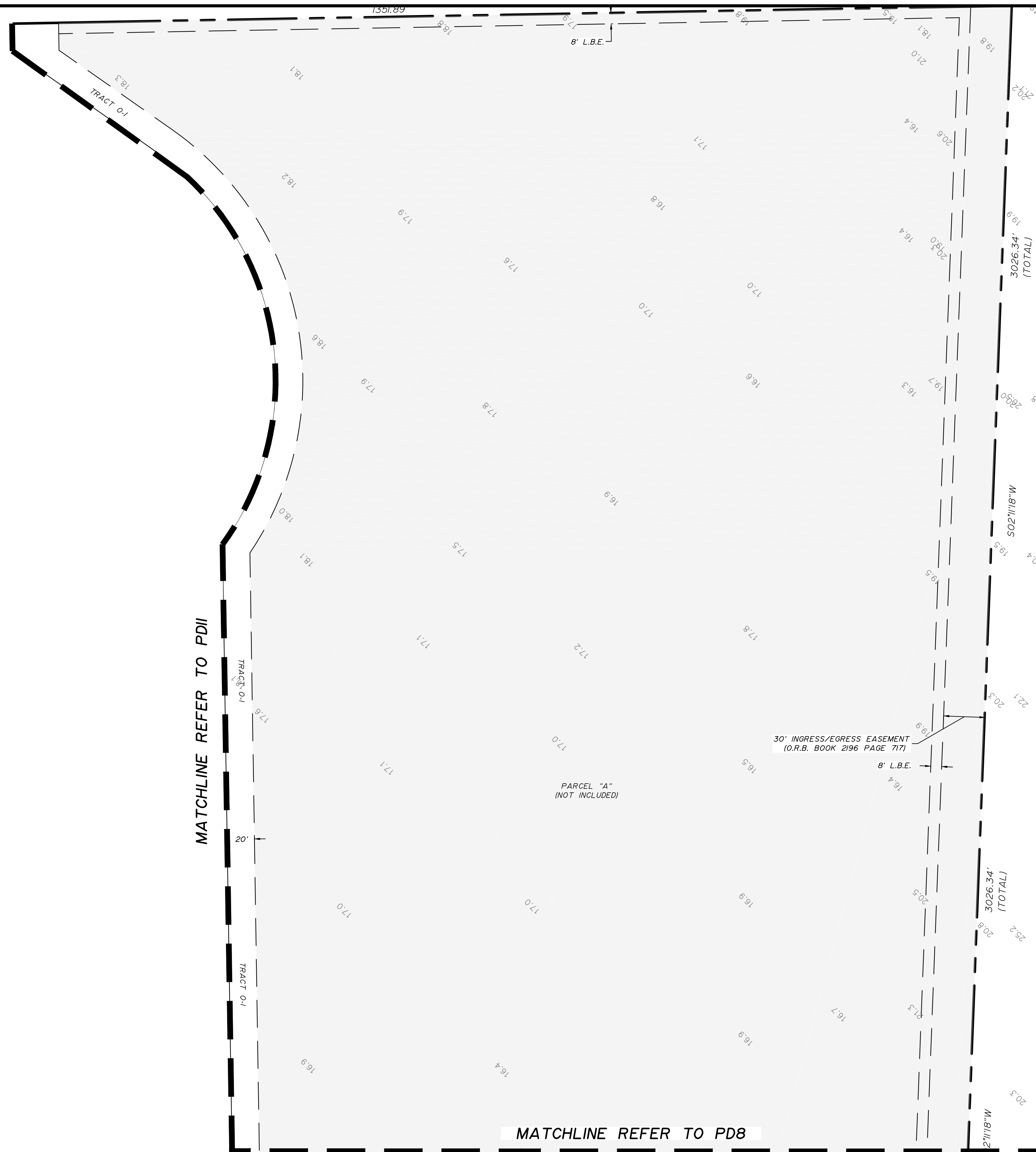
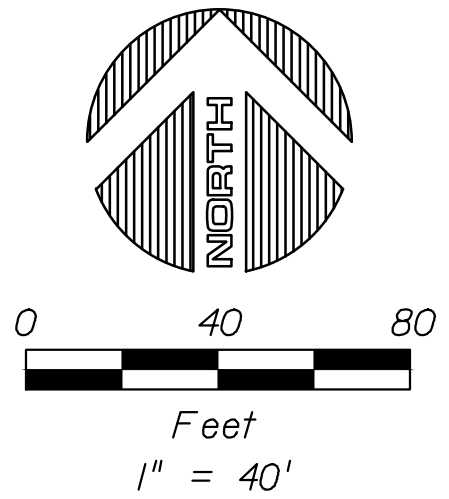
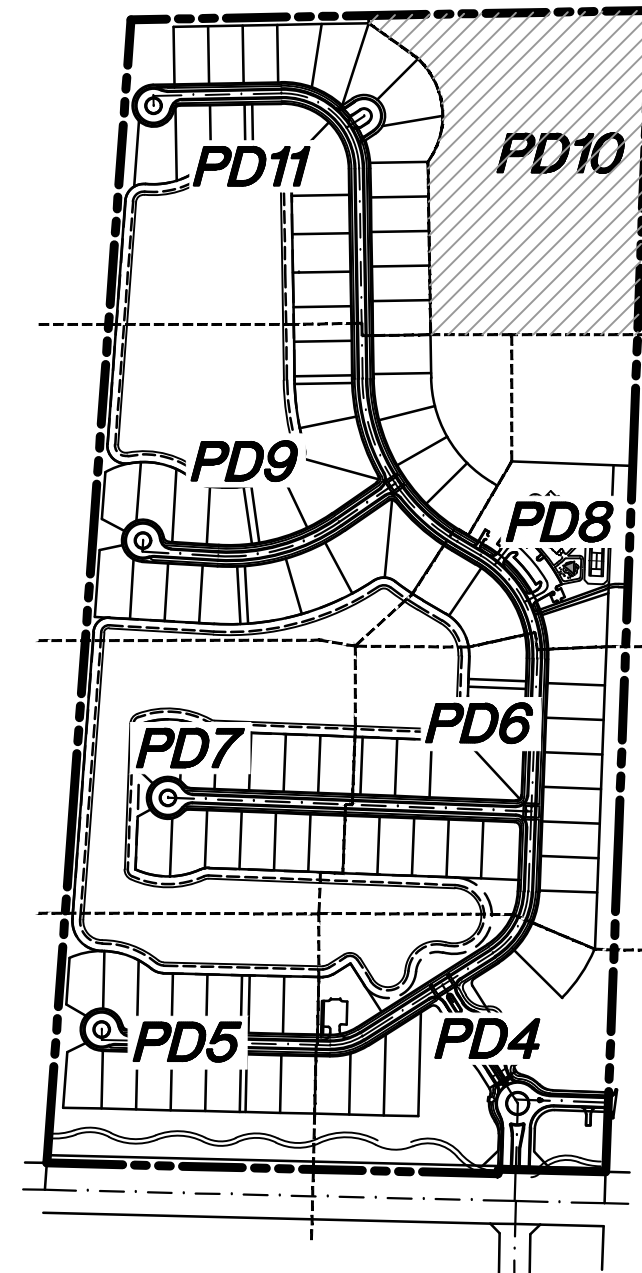
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Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____
 State of Florida
 Date: 01/30/2017
 41811

**PAVING AND DRAINAGE SYSTEM
PLAN**
**ANCIENT TREE
PULTE GROUP**

Project Number:
201645
 Sheet Number:
PD9



NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION

Designed by: C.J.B. Date: 11/2016
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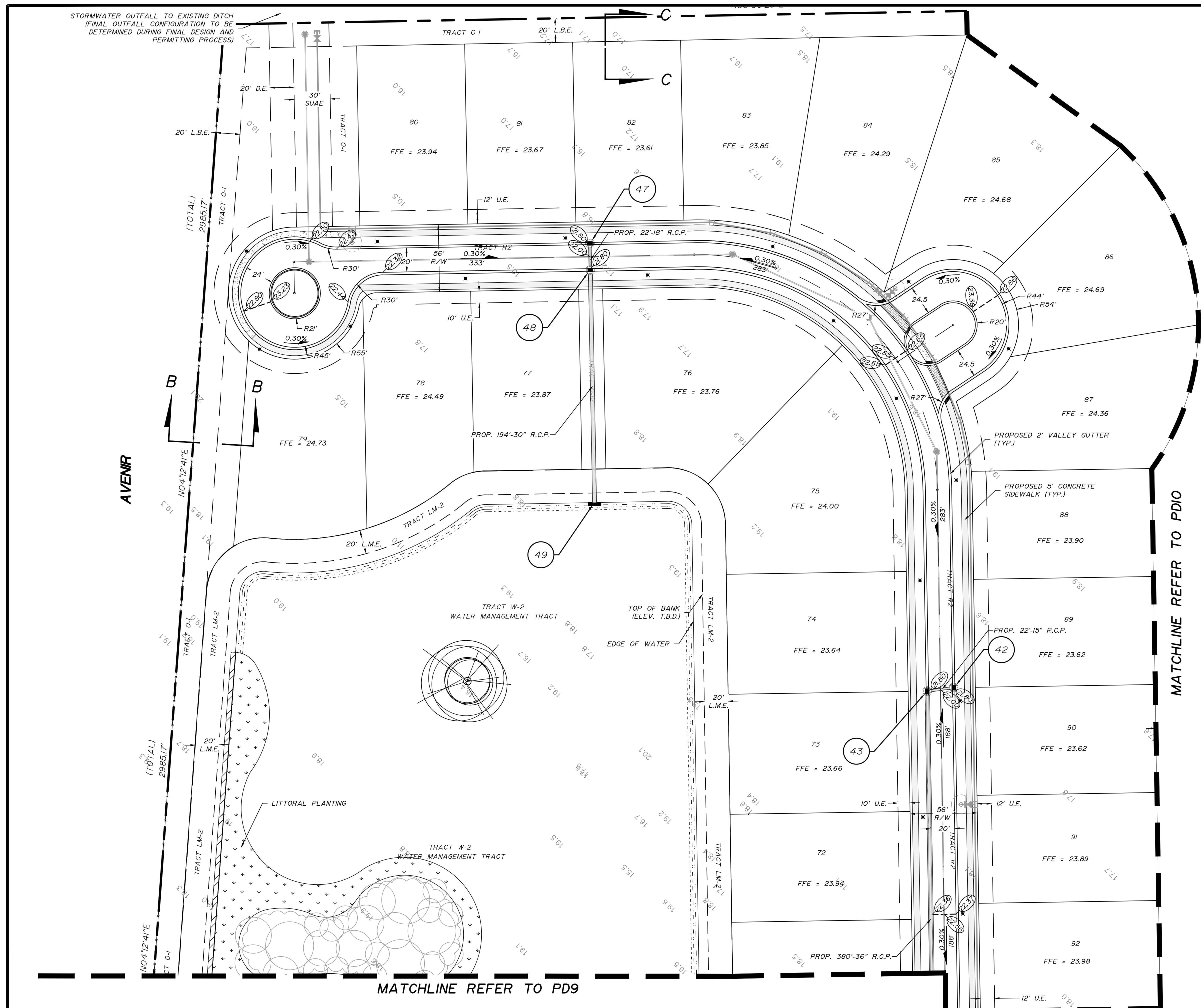
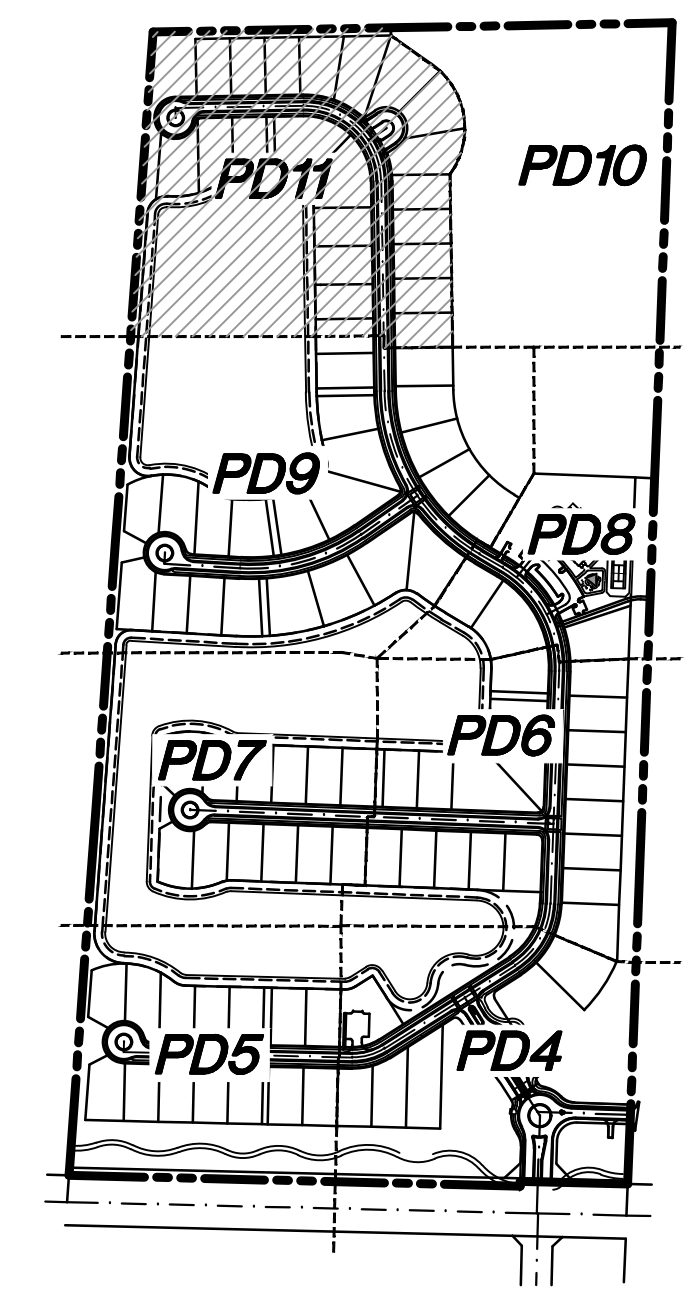
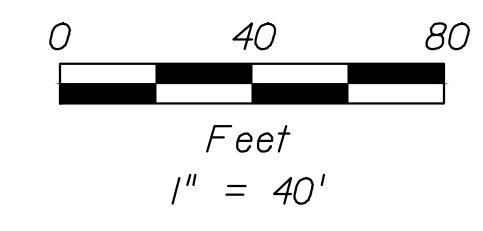
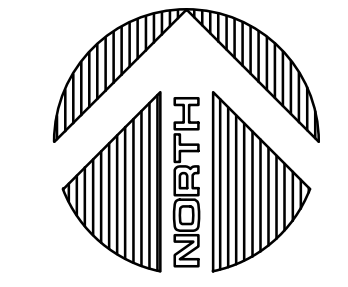
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Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: 41811
 State of Florida
 Date: 01/30/2017

PAVING AND DRAINAGE SYSTEM PLAN
ANCIENT TREE
PULTE GROUP

Project Number: **201645**
 Sheet Number: **PD10**

STORMWATER OUTFALL TO EXISTING DITCH
(FINAL OUTFALL CONFIGURATION TO BE
DETERMINED DURING FINAL DESIGN AND
PERMITTING PROCESS)



PROP. DRAINAGE STRUCTURE SCHEDULE

- 42 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 W
- 43 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 E
13.00 S
- 47 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 S
- 48 TYPE "C" CATCH BASIN W/
USF 512-6143 FRAME & GRATE
R.E. 21.80
I.E. 13.00 N
13.00 S (P.R.B.)
- 49 11'-0" CONCRETE ENDWALL
PER F.D.O.T. INDEX 250
TOP OF ENDWALL: 18.58
I.E. 13.00 N

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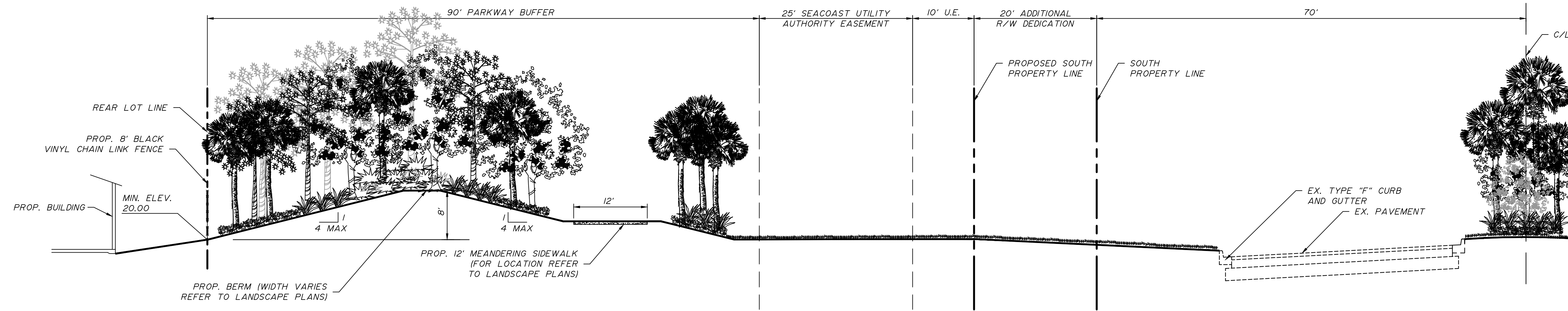
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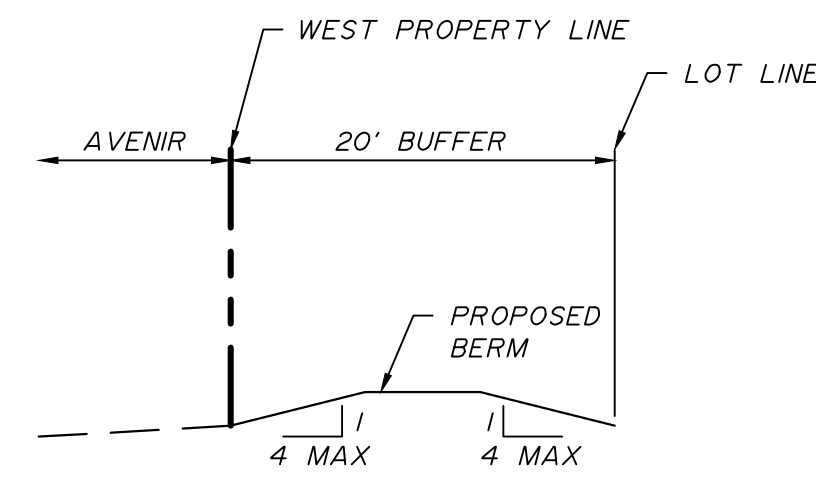
Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____
 State of Florida Date: 01/30/2017
 41811

**PAVING AND DRAINAGE SYSTEM
 PLAN**
ANCIENT TREE
 PULTE GROUP

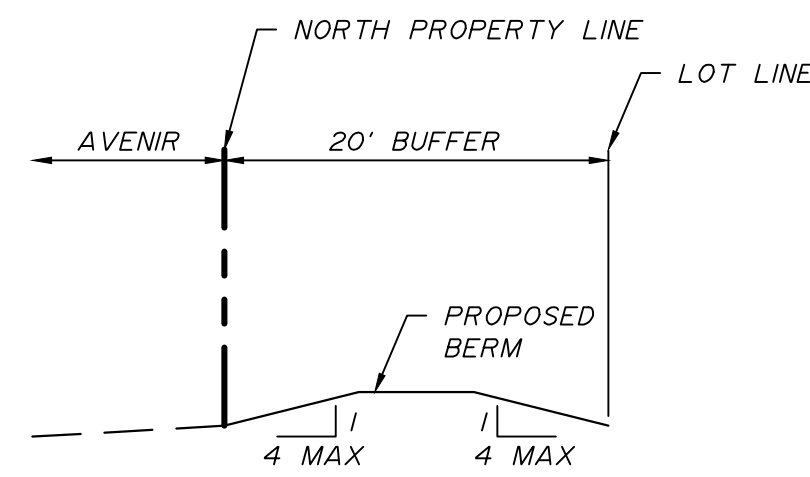
Project Number:
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 Sheet Number:
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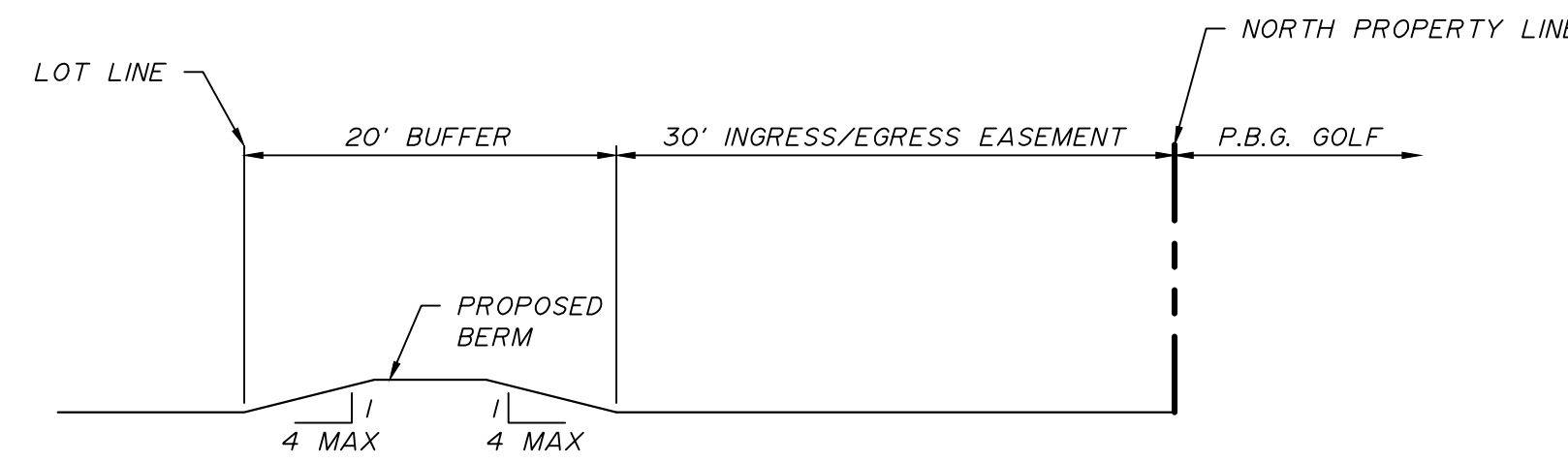
SECTION A-A
SCALE: 1/30'



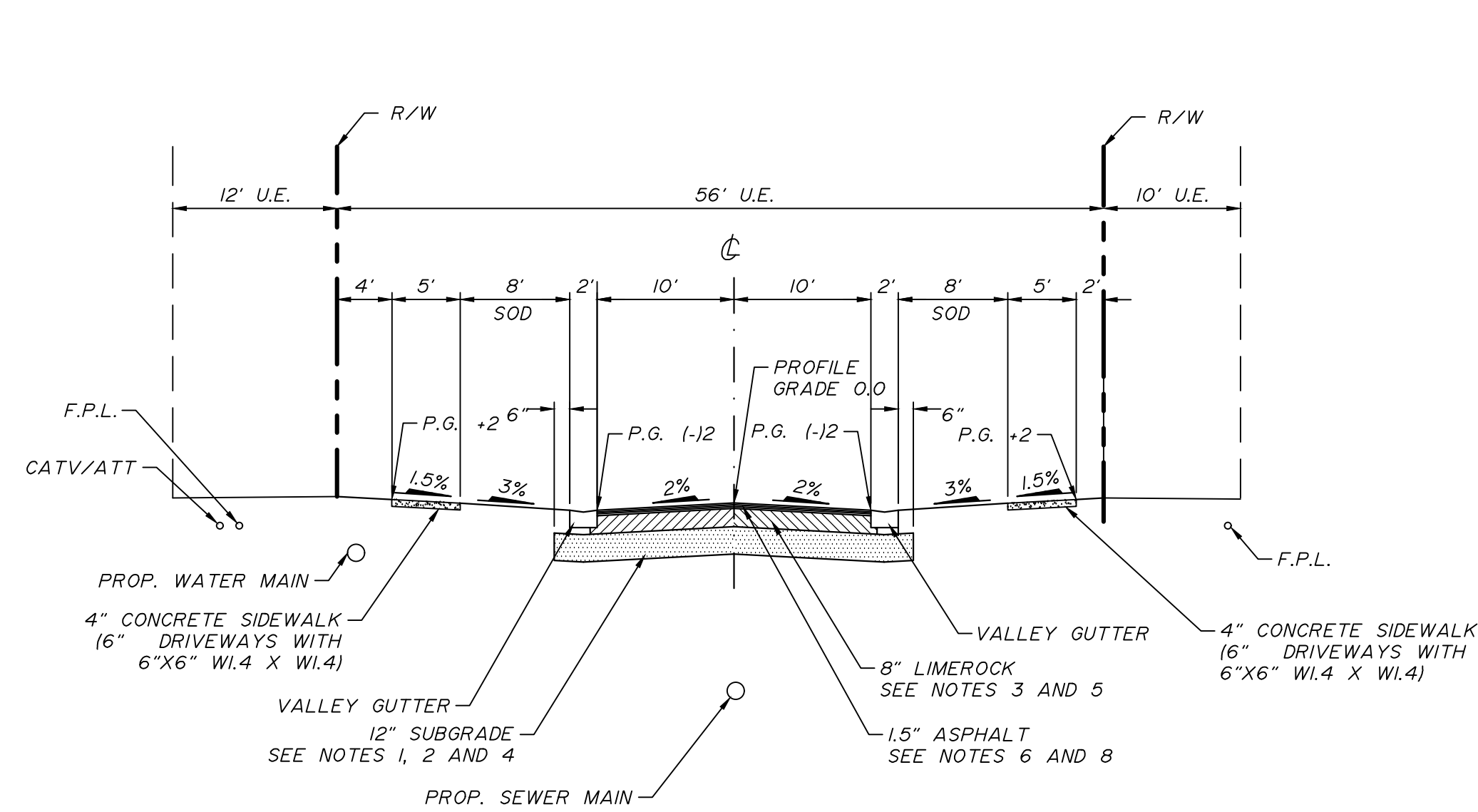
SECTION B-B
SCALE: 1/30'



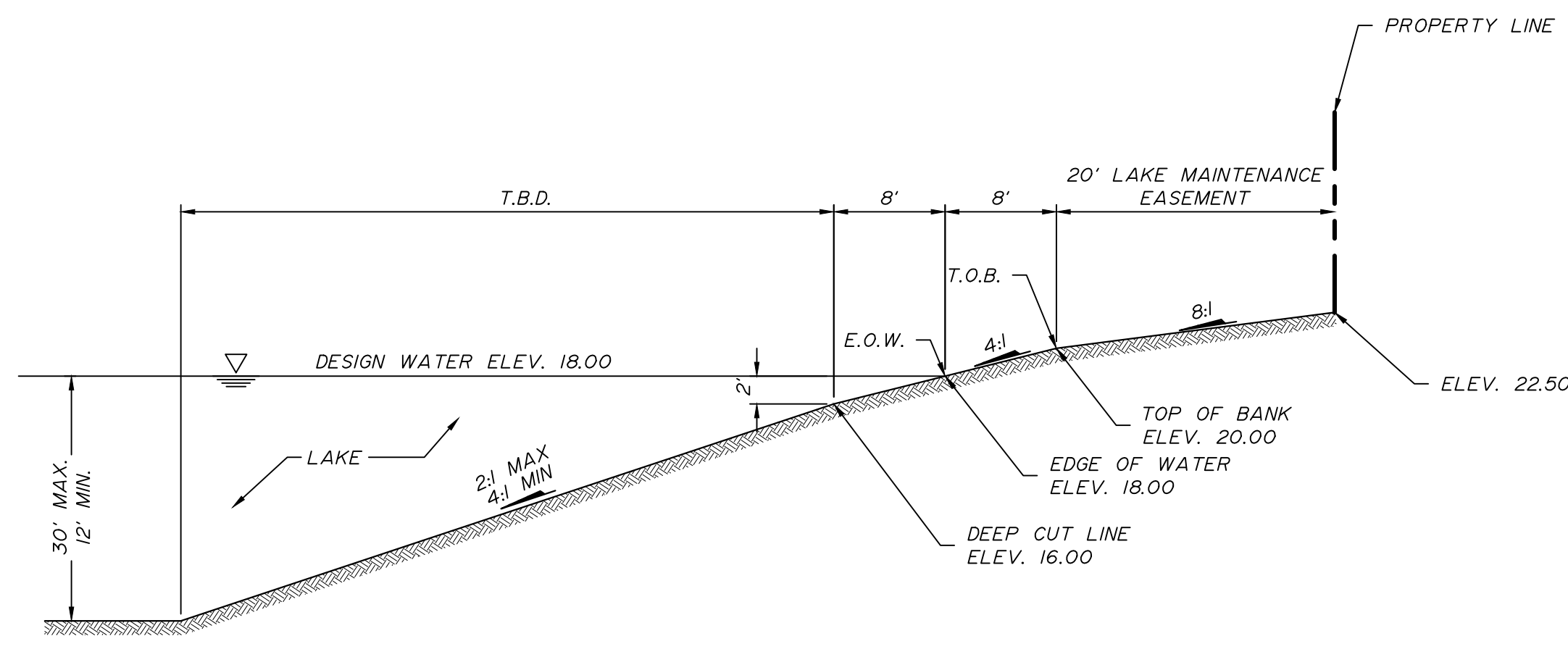
SECTION C-C
SCALE: 1/30'



SECTION D-D
SCALE: 1/30'



RESIDENTIAL LOCAL STREET
TYP. SECTION - 56' R/W
SCALE: 1/30'



TYPICAL LAKE SECTION
SCALE: 1/30'

PAVEMENT NOTES:

1. THE FULL DEPTH OF ALL EXISTING ORGANIC AND DELETERIOUS MATERIAL WITHIN THE ROADWAYS, RIGHT-OF-WAYS AND UTILITY/DRAINAGE EASEMENTS SHALL BE REMOVED. NO MATERIAL OF FOOT CLASS A-5, A-7 OR A-8 SHALL BE ALLOWED.
2. ALL MATERIAL SUPPORTING THE ROADWAY AND SHOULDERS SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO (L.B.R.) OF 40. THE SUBGRADE SHALL BE 12" COMPACTED TO 98% OF MAXIMUM DRY DENSITY AS PER AASHTO T-180. THE ENGINEER AND COUNTY INSPECTOR WILL DETERMINE THE LOCATION AND NUMBER OF DENSITY TESTING, WHICH SHALL BE APPROXIMATELY ONE DENSITY FOR EVERY 7000 SQUARE FEET OF ROAD.
3. LIMEROCK BASE SHALL BE 8" PRIMED AND SHALL HAVE A MINIMUM LIMEROCK BEARING RATE (LBR) OF 100, SHALL BE OF THE MIAMI FORMATION, HAVING A MINIMUM PERCENTAGE OF CARBONATES OF CALCIUM AND MAGNESIUM OF 60, UNLESS OTHERWISE APPROVED. BASE MATERIAL SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 98% OF MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180 UNDER ALL PAVED AREAS.
4. BASE COURSE CONSTRUCTION SHALL NOT BE STARTED UNTIL ALL UNDERGROUND CONSTRUCTION IN THE VICINITY HAS BEEN INSTALLED, TESTED AND ACCEPTED.
5. PRIME AND TACK COAT FOR BASE SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF SECTIONS 300-1 THROUGH 300-7 OF F.D.O.T. STANDARDS SPECIFICATIONS. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.25 GALLONS PER SQUARE YARD.
6. THE WEARING SURFACE SHALL BE 1.5 APPLIED IN TWO 3/4 INCH LIFTS AND SHALL BE ASPHALT CONCRETE TYPE S-3 WITH TACK COAT USED BETWEEN PAVING COURSES AS PER F.D.O.T. MINIMUM STANDARDS.
7. THE FIRST LIFT OF ASPHALT SHALL BE INSTALLED 1/2 INCH BELOW THE LIP OF CURB. THE SECOND LIFT OF ASPHALT TO BE 1/4 INCH ABOVE THE LIP OF CURB. THE SECOND LIFT SHALL NOT BE APPLIED UNTIL A MINIMUM OF 80% OF THE HOUSES HAVE BEEN CONSTRUCTED OR AS DIRECTED BY THE OWNER.
8. ALL GRADES SHOWN ARE FINISH ASPHALT PAVEMENT GRADES (2ND LIFT) UNLESS OTHERWISE NOTED.
9. ALL REPAIRS TO EXISTING PAVEMENT SHALL RECEIVE SAW-CUT EDGES PRIOR TO RELAYING ASPHALT. UTILITY PIPING OR WIRING LESS THAN FOUR (4) INCHES IN DIAMETER REQUIRES A SCHEDULE 40 PVC CASING PIPE WITH SAND BACKFILLS UNDER PAVED AREAS ONLY.
10. ALL EXISTING CONTROL POINTS AND/OR REFERENCE MARKERS SHALL BE RAISED TO FINAL GRADE. THESE POINTS AND REFERENCE MARKERS SHALL BE LOCATED AND NOTED ON THE PLAN.
11. LABORATORY PROCTOR COMPACTION TEST (T-180) SHALL BE PERFORMED ON ALL MATERIAL, SUBGRADE AND BASE AND ANY SUBSEQUENT CHANGES IN MATERIALS. LIMEROCK BEARING RATIOS, SIEVE ANALYSIS AND DENSITIES REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER-OF-RECORD.

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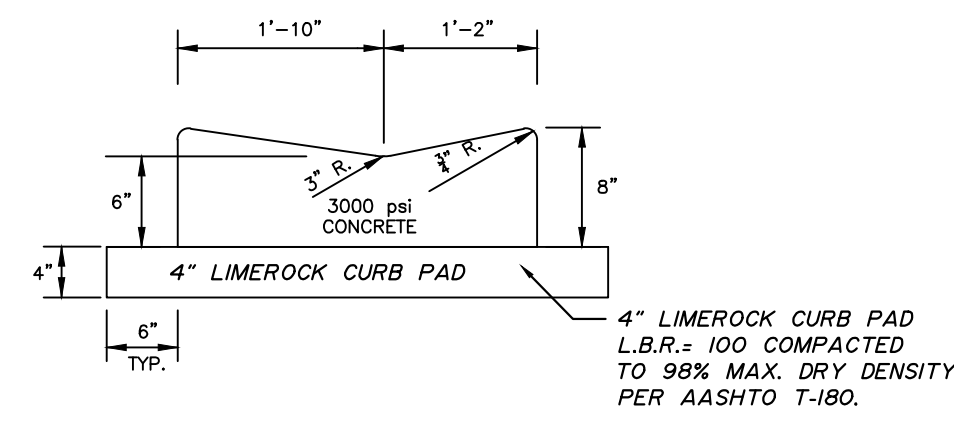
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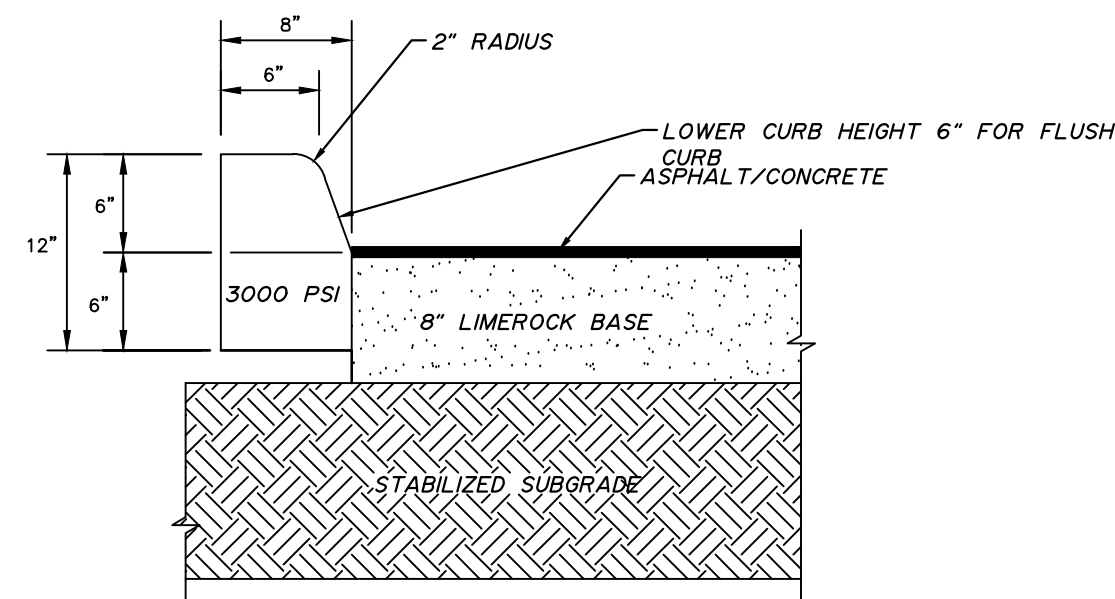
Engineer of Record: CARLOS J. BALLBÉ
 Registered Engineer Number: _____ Date: 01/30/2017
 State of Florida: 41811

PAVING AND DRAINAGE SYSTEM
 SECTIONS
ANCIENT TREE
 PULTE GROUP

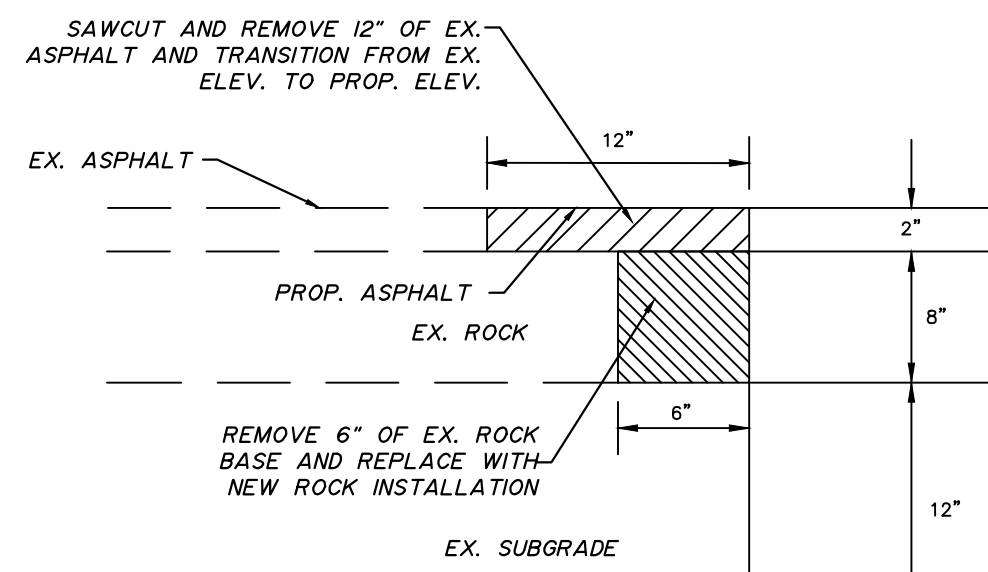
Project Number:
201645
 Sheet Number:
PD12



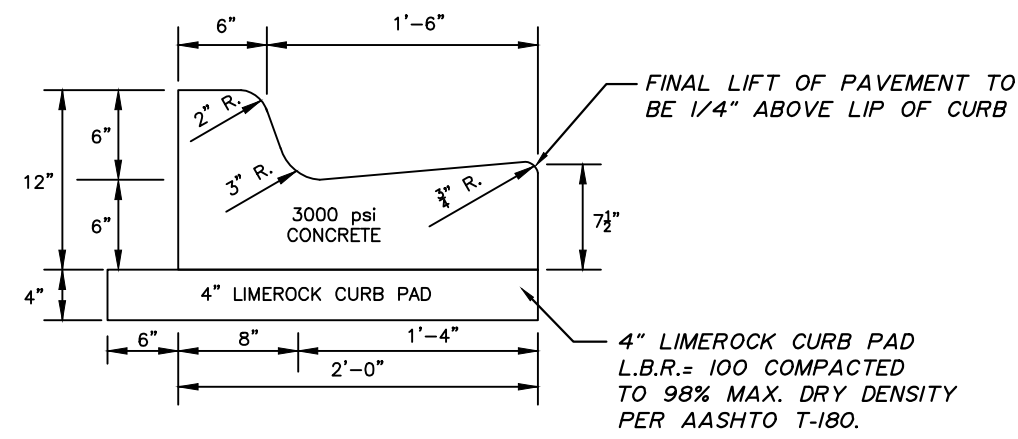
VALLEY GUTTER DETAIL
N.T.S.



TYPE "D" CURB DETAIL
N.T.S.

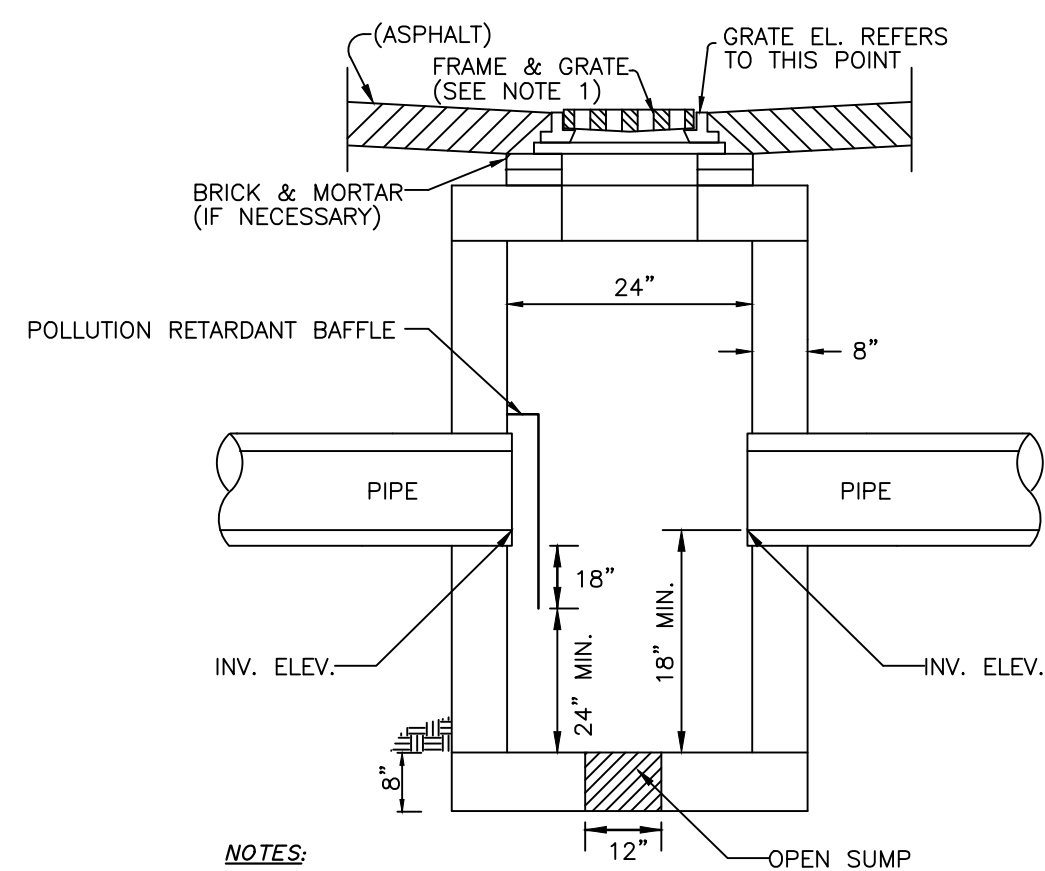


ASPHALT CONNECTION DETAIL
N.T.S.



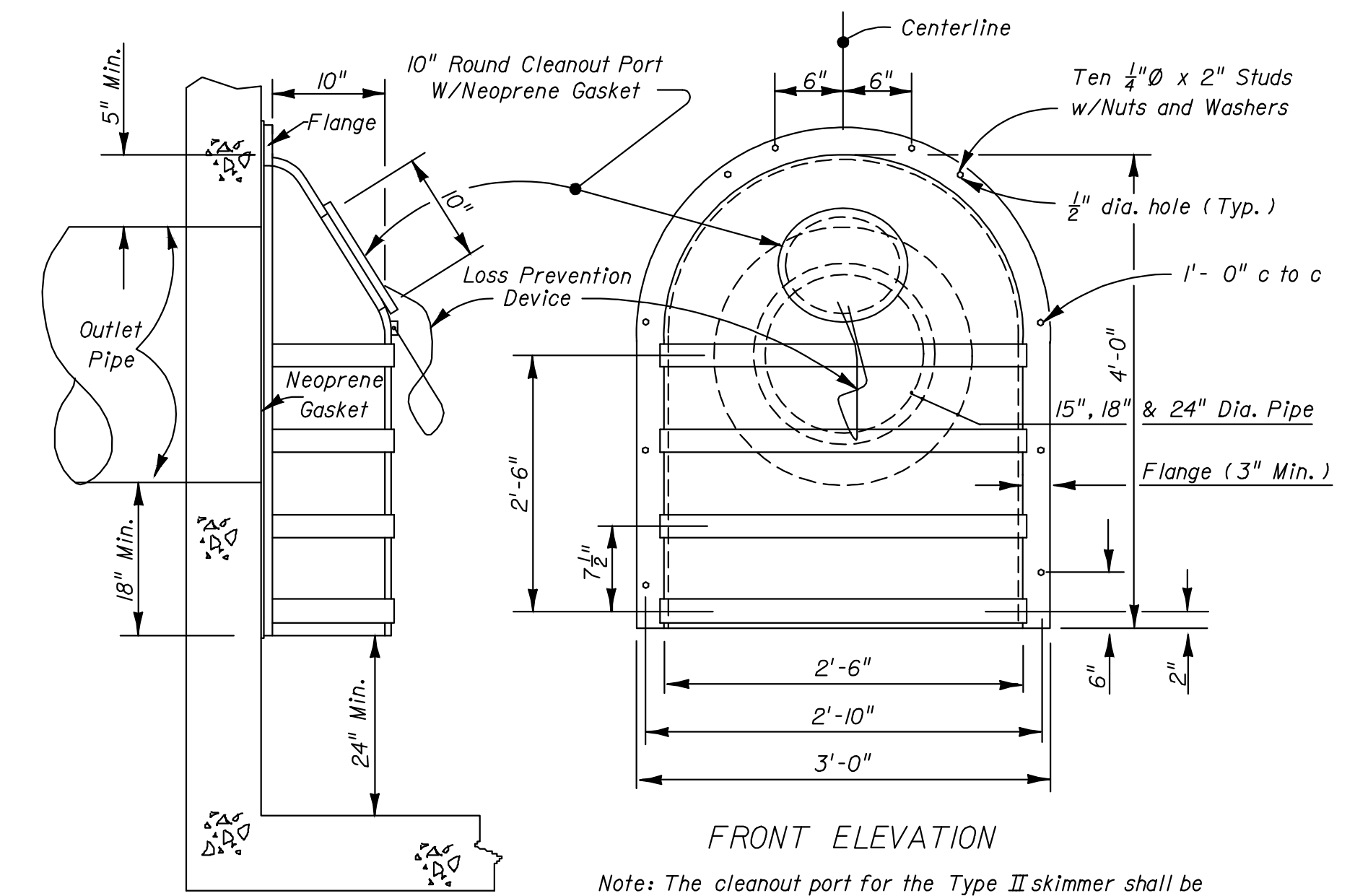
NOTES:
SAWCUT CURB AT 10' INTERVALS AND AT CENTER OF ISLAND BULLNOSE
WHEN USED ON HIGH SIDE OF ROADWAY, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

TYPE "F" CURB AND GUTTER DETAIL
N.T.S.



NOTES:
1. AN 12" DIAMETER WEEP HOLE WITH WASHED GRADE ROCK, NO LARGER THAN ONE AND ONE HALF INCHES (1 1/2") TO BE INSTALLED ONLY WHEN INLET BOTTOM IS ABOVE WATER TABLE
2. ALL CONCRETE TO BE 4000 PSI TYPE II CEMENT

CATCH BASIN DETAIL
N.T.S.



TYPE II SKIMMER

Note: The cleanout port for the Type II skimmer shall be gasketed, with either a threaded screw-in lid or a lid secured by four stainless steel quick-release latches.

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".

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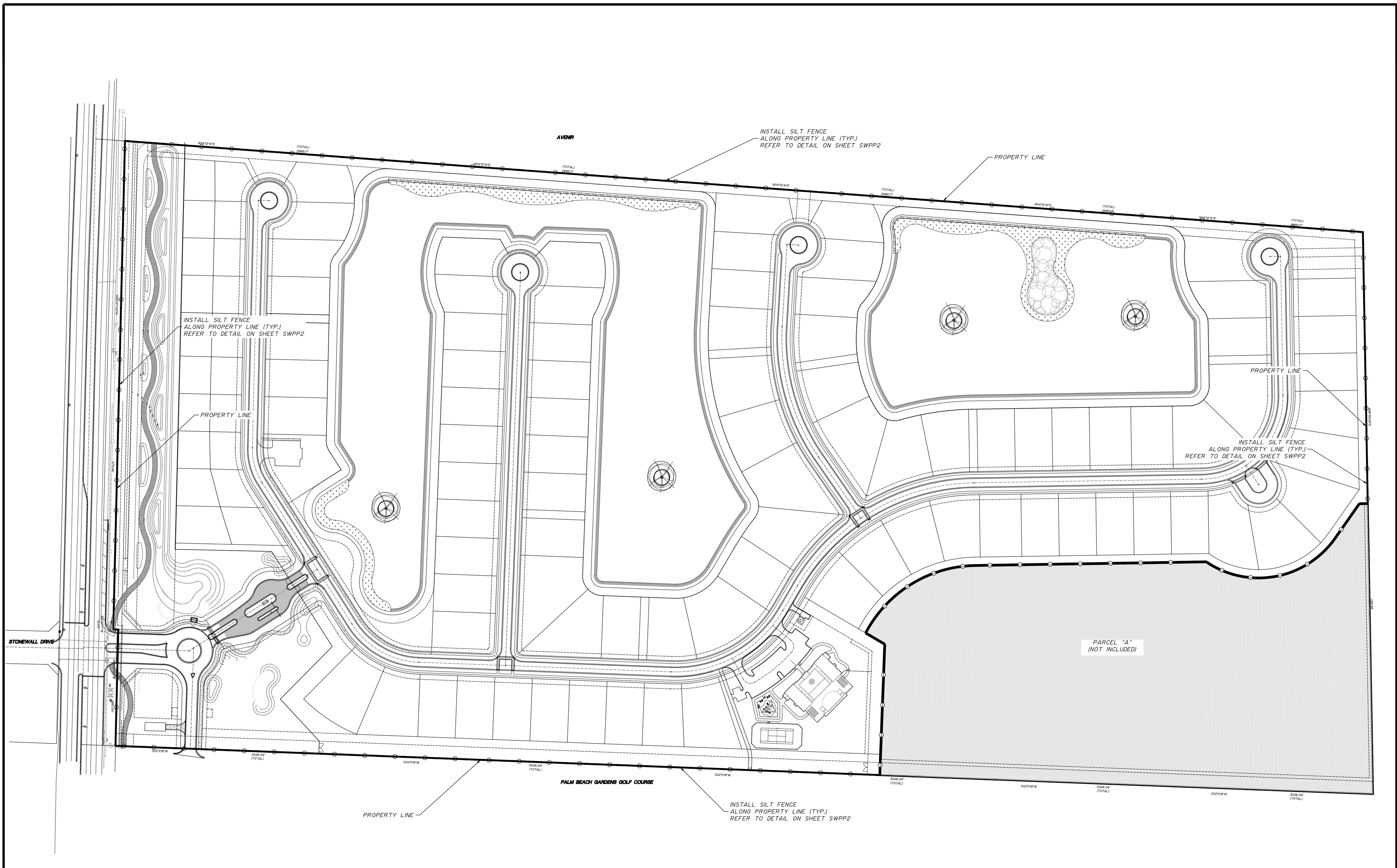
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PAVING AND DRAINAGE SYSTEM
DETAILS
ANCIENT TREE
PULTE GROUP

Project Number: **201645**
Sheet Number: **PDI3**



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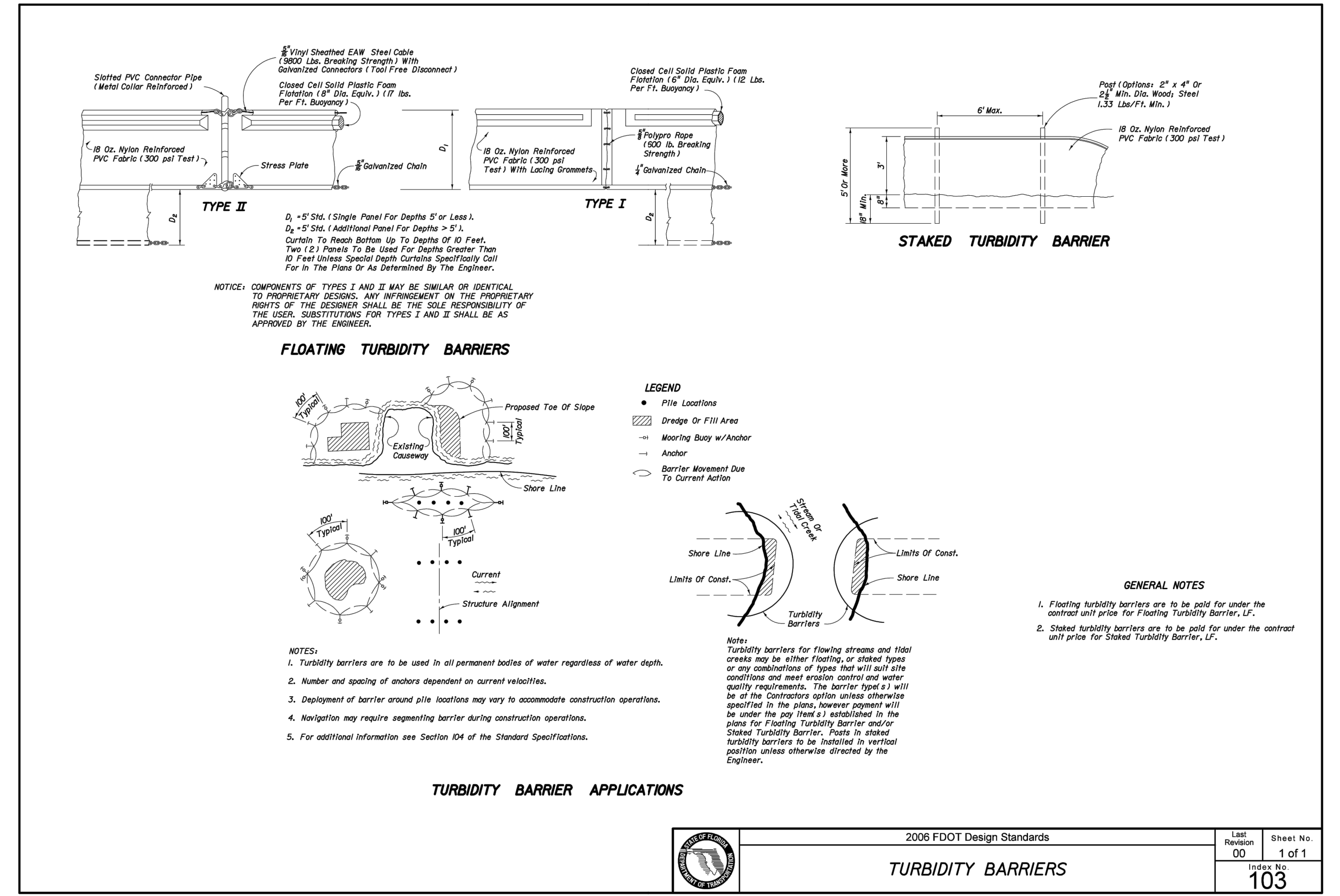
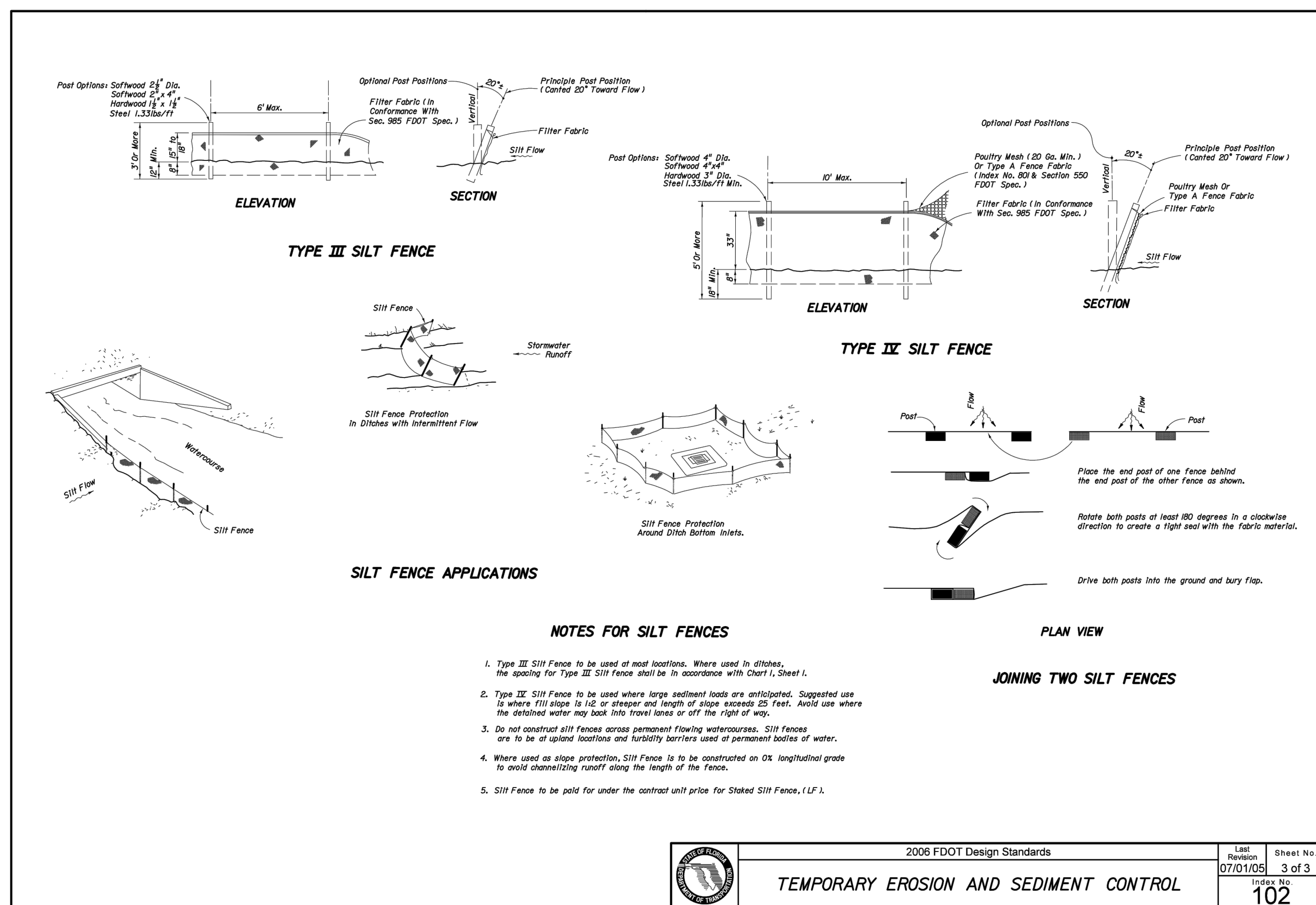
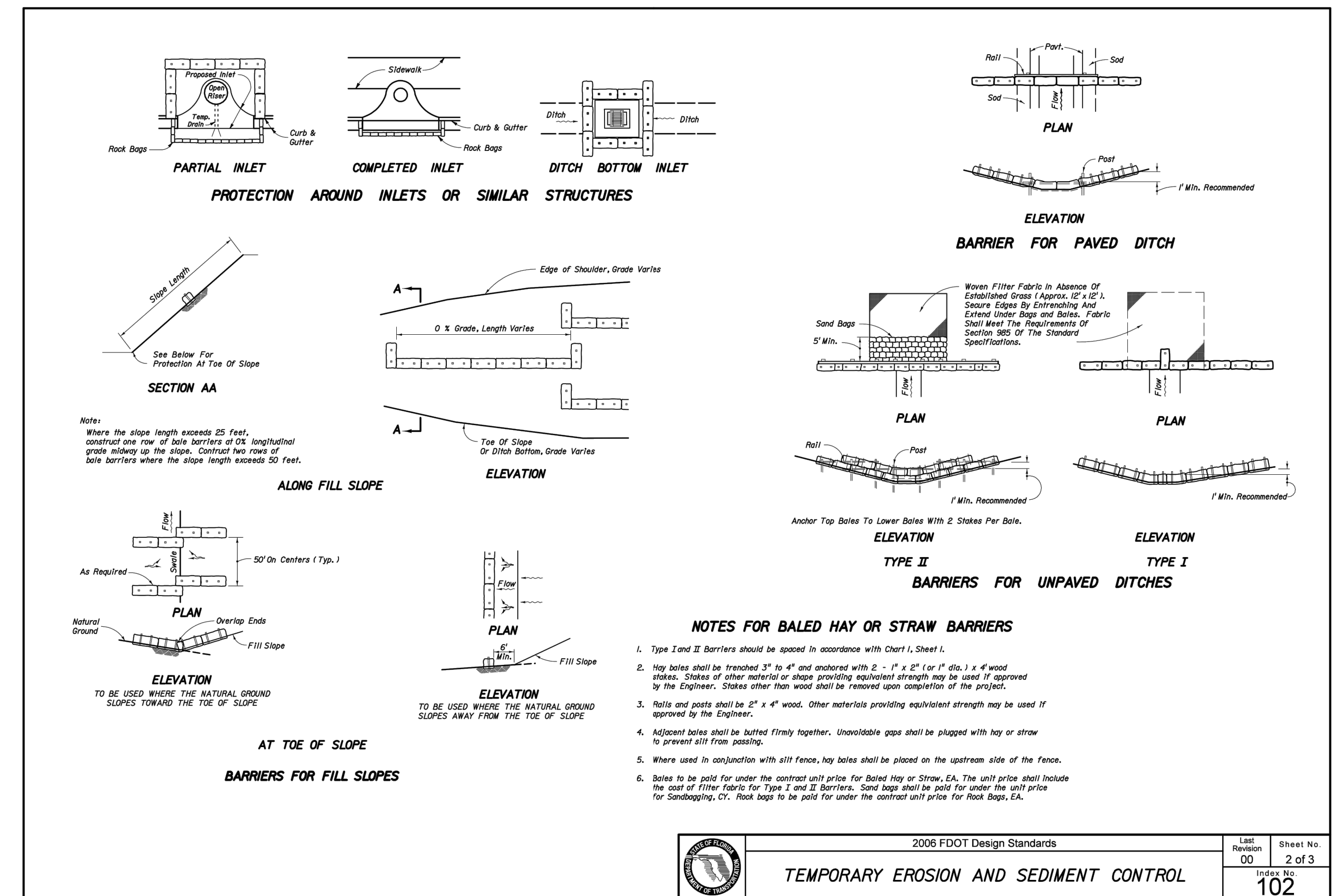
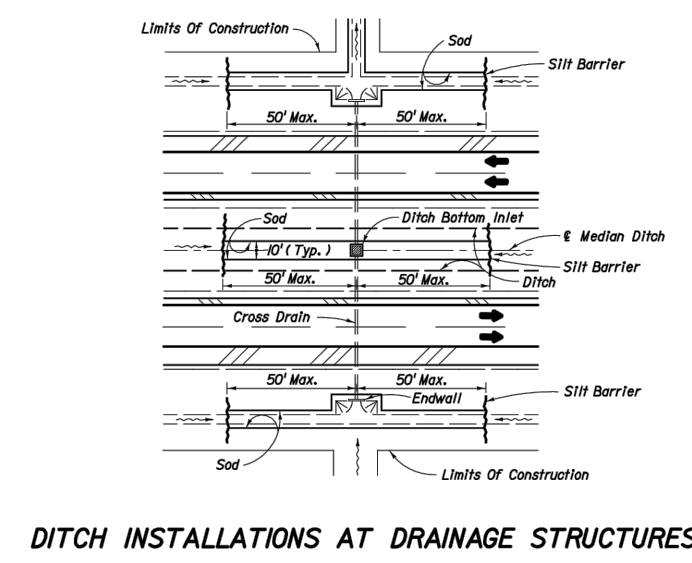
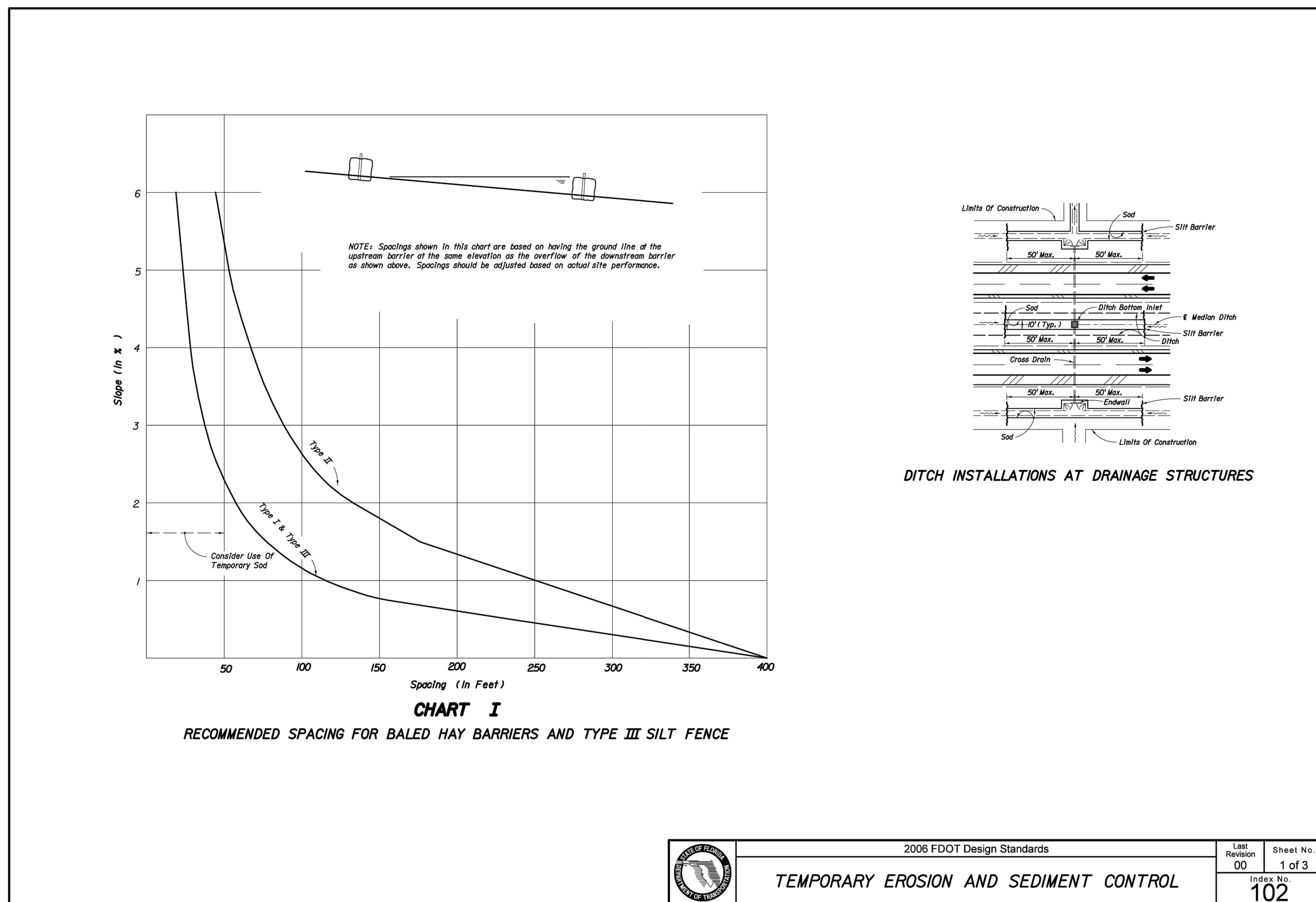
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 State of Florida: _____
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41811

STORMWATER POLLUTION PREVENTION PLAN
ANCIENT TREE
PULTE GROUP

Project Number: 201645
 Sheet Number: SWPP1



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STORMWATER POLLUTION PREVENTION
 DETAILS
ANCIENT TREE
 PULTE GROUP

Project Number:
 201645
 Sheet Number:
 SWPP2