

SERENOA

VILLAGE 3 - PHASE 1, 2 & 3

RECORD CONSTRUCTION PLAN

SECTION 24, TOWNSHIP 24 SOUTH, RANGE 26 EAST
LAKE COUNTY, FLORIDA

Prepared For:
VK AVALON GROVES, LLC
14025 RIVEREDGE DRIVE SUITE 175
TAMPA, FL 33637
Phone: (813) 615-1244

5904-A Hampton Oaks Parkway
Tampa, Florida 33610
Office: 813-253-5311
Fax: 813-464-7629

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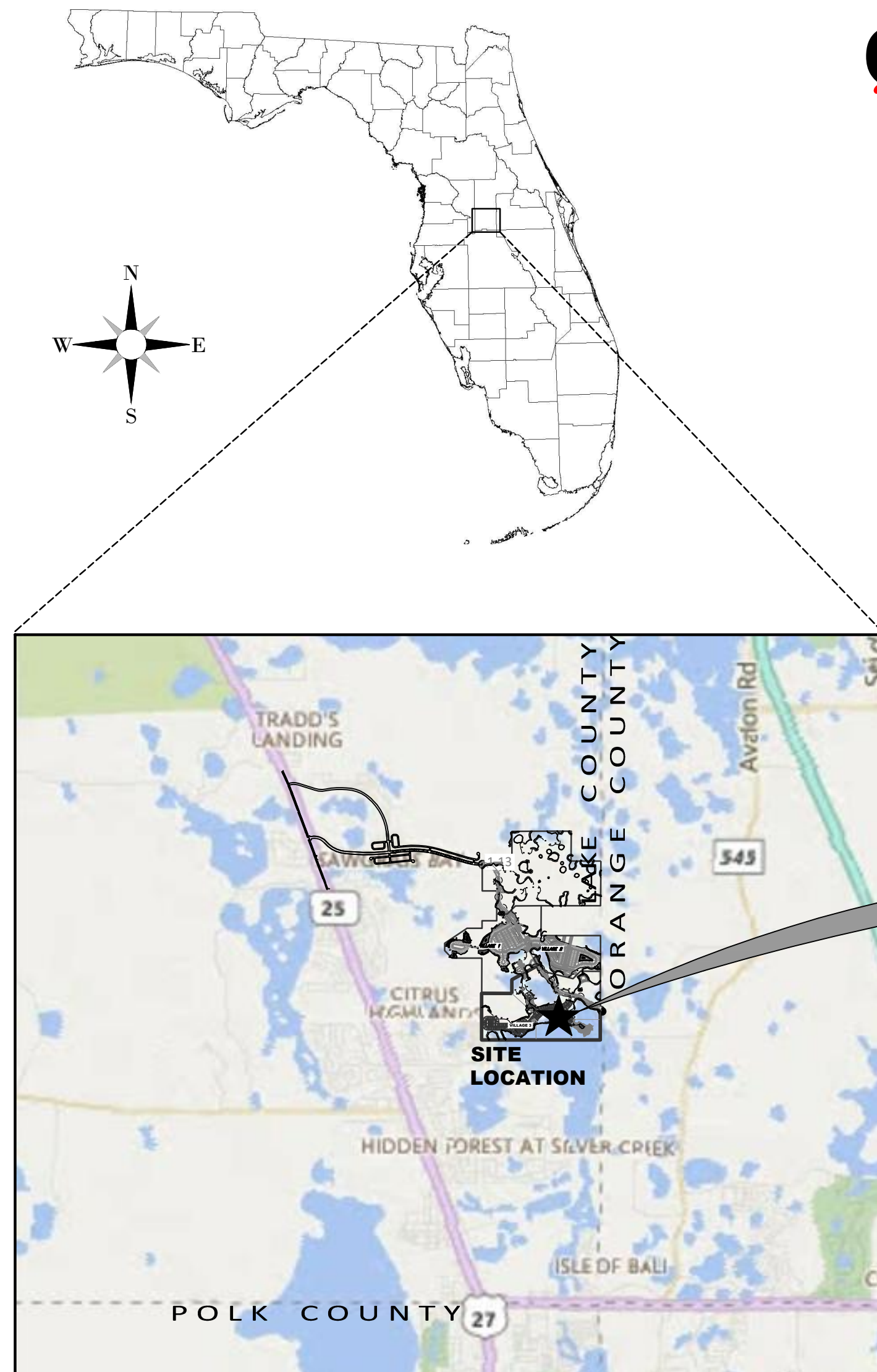
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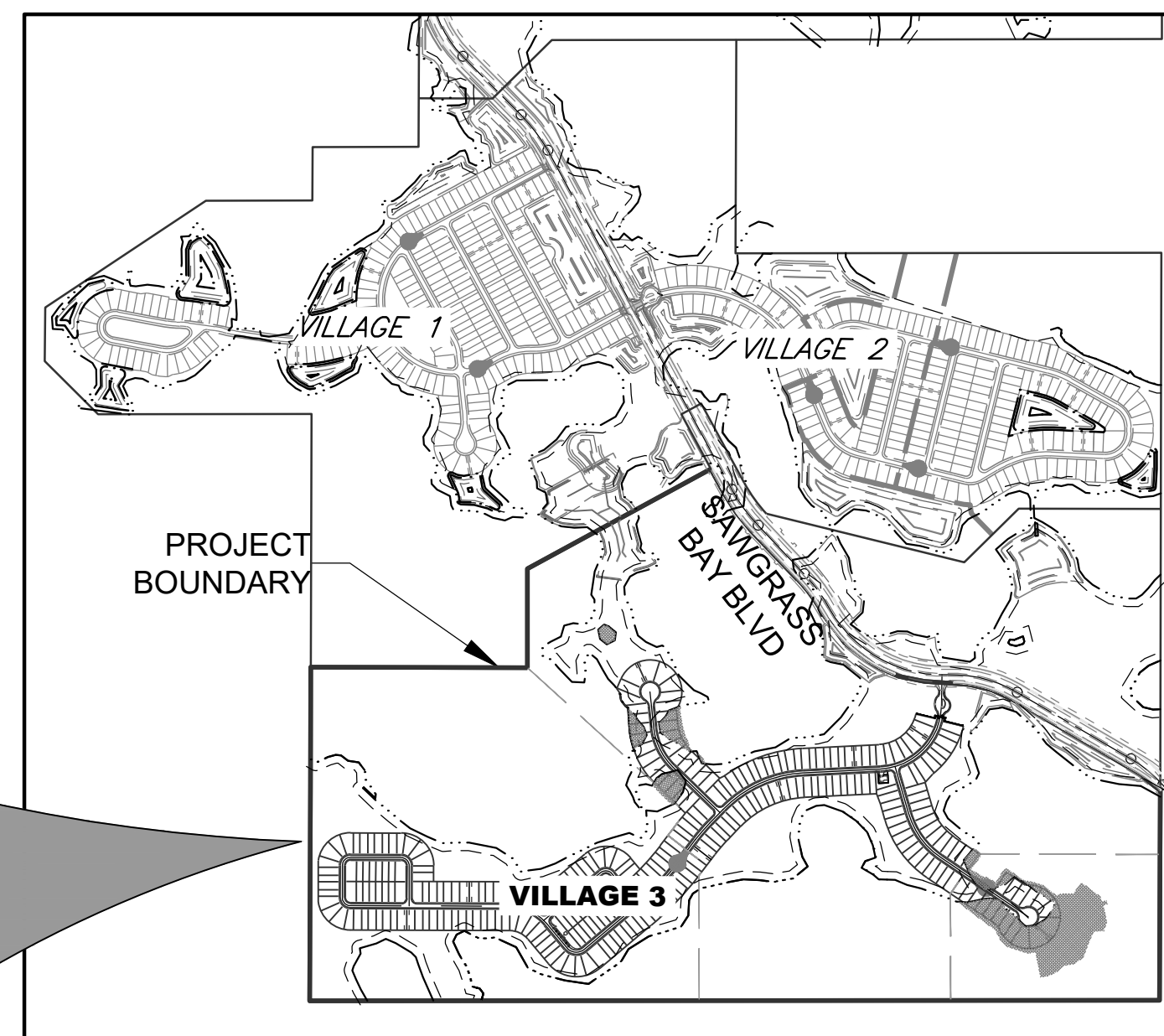
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1-800-432-4770



LOCATION MAP
(NOT TO SCALE)



SITE MAP
(NOT TO SCALE)
SERENOA VILLAGE 3
PHASE 1 & 3
"RECORD DRAWINGS"

RECORD DATA
PROVIDED BY
BLUE OXLAND
SERVICES

FACILITIES SHOWN HEREON HAVE BEEN, TO THE BEST OF MY KNOWLEDGE, CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH APPROVED PLANS, SPECIFICATIONS AND MODIFICATIONS FOR THIS PROJECT. VERIFICATION IS BASED ON PERIODIC CONSTRUCTION OBSERVATION AND SURVEY NOTATIONS SHOWN ON PLANS. SURVEYED DIMENSIONS AND ELEVATIONS SHOWN AS RECORD INFORMATION HAVE BEEN FIELD VERIFIED.

LAST DATE OF FIELD SURVEY: 12/22/2020

RECORD DRAWING LEGEND

- 42.00 — PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH.
- 42.07 — "RECORD" ELEVATION OR DIMENSION WRITTEN IN.
- X 54.8 — INDICATES RECORD ELEVATION
- ✓ — INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.
- 100 8" W/M — INDICATES "RECORD" ITEM NUMBER
- INDICATES "RECORD" ITEM DESCRIPTION

NOTE: PER LDF CH. 6.06.01F, SOIL REMOVAL OFFSITE SHALL NOT EXCEED 200% OF THE MINIMUM STORMWATER RETENTION/DETENTION VOLUME REQUIRED.

NOTE: SEE SHEET C-104 FOR LEGAL DESCRIPTIONS.

Sheet List Table	
Sheet Number	Sheet Title
100 - GENERAL	
C-100	COVER SHEET
C-101 - C-103	GENERAL NOTES
C-104	AERIALSITE PLAN
C-105	EXISTING SITE CONDITIONS
C-106 - C-107	LOT GEOMETRY PLAN
200 - ROADWAY DETAILS	
C-200	TYPICAL ROADWAY SECTIONS
300 - DRAINAGE	
C-300	MASTER GRADING & DRAINAGE PLAN
C-301 - C-311	GRADING & DRAINAGE PLAN
C-312	STORM STRUCTURE DATA
C-313	CONTROL STRUCTURE DETAIL
C-315 - C-316	GRADING & DRAINAGE SECTIONS
C-317 - C-320	DRAINAGE DETAILS
400 - UTILITIES	
C-400 - C-408	WATER & SEWER PLAN
500 - PLAN & PROFILE	
C-501 - C-512	ROADWAY PLAN & PROFILE
600 - UTILITY DETAILS	
C-600 - C-601	PUMP STATION DETAILS
C-602 - C-604	WATER & SEWER DETAILS
700 - PAVEMENT MARKING & SIDEWALKS	
C-700 - C-706	SIGNING, PAVEMENT MARKING & SIDEWALK PLANS
C-707 - C-708	SIGNING, PAVEMENT MARKING & SIDEWALK DETAILS AND NOTES
900 - ENGINEERING ADDENDA	
C-900	CONSTRUCTION SURFACE WATER MANAGEMENT PLAN
C-901	CONSTRUCTION SURFACE WATER MANAGEMENT PLAN NOTES
C-902	PRE-DEVELOPMENT DRAINAGE AREA MAP
C-903	OVERALL POST-DEVELOPMENT DRAINAGE AREA MAP
C-904 - C-905	DRAINAGE SUB-BASIN AREA MAP
C-906	FLOODPLAIN ENCROACHMENT & COMPENSATION
C-907 - C-909	UPLAND BUFFER AND C.E. SIGN LOCATIONS

THE FOLLOWING SUPPLEMENTAL PLAN SHEETS WERE NOT PREPARED UNDER THE RESPONSIBLE CHARGE OF THE ENGINEER OF RECORD:

LANDSCAPE PLANS PREPARED BY:
HEIDT DESIGN, LLC

SERENOA
VILLAGE 3 - PHASE 1, 2 & 3

VK AVALON GROVES, LLC

NO.	DATE	DESCRIPTION
8	01/05/2021	C-906
7	08/19/2020	C-600
6	07/30/2020	C-313, C-501-503, C-505-506, C-509-510
5	07/24/2020	C-508, C-600
4	07/02/2020	C-404, C-408
3	05/27/2020	C-106, C-200, C-300, C-302-304, C-307, C-308, C-400, C-401-408, C-501-509, C-511, C-603, C-700-703, C-705
2	03/20/2020	C-103, C-106, C-107, C-200, C-300, C-311, C-400, C-408, C-501, C-512, C-600, C-604, C-701, C-705, C-707
1	11/13/2019	C-300, C-302, C-303, C-308, C-310, C-313, C-401, C-404, C-407, C-501, C-502, C-504, C-509, C-511
	11/08/2019	REVIEW SUBMITTAL
DATE	DESCRIPTION	

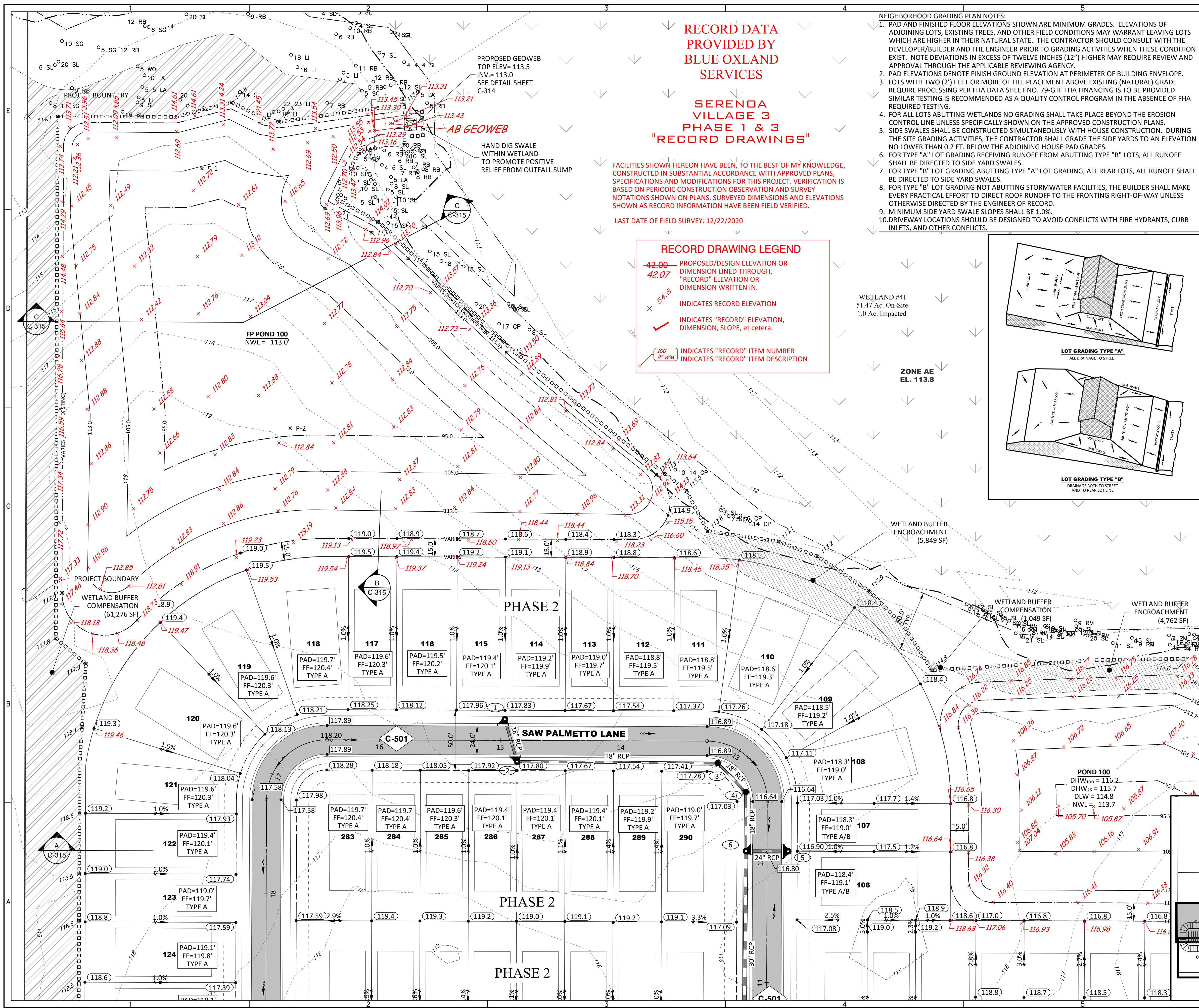
DATE	DESCRIPTION
03/10/2021	ADDED PH1&3 RECORD INFO TO C-307 THRU C-314 & C-504 THRU C-510 FORMAT FOR LAKE COUNTY
01/18/2021	ADDED PH1&3 RECORD INFO TO C-504 THRU C-510
DATE	DESCRIPTION

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ELEVATIONS BASED ON: NORTH AMERICAN VERTICAL DATUM 1988 CONVERSION: NAVD 88 TO NGVD 29 = +0.86	
ADDRESS CONTROL NUMBER	
WATER COMMITMENT	
SEWER COMMITMENT	
SWFWD	
WATER DEP	
SEWER DEP	
FOLIO	
PERMIT / FILE NUMBERS	

STATE OF FLORIDA PROFESSIONAL ENGINEER	FILE:	COVER-REC
Timothy M. Plate, State of Florida, Professional Engineer, License No. 41153	PROJECT NO:	KLP-AG-1089
This item has been digitally signed and sealed by: Timothy M. Plate, P.E. on the date indicated here.	GRADING & DRAINAGE	
DESIGN BY:	FRANCIS	
DRAWN BY:	JLOAIZA	
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.	UTILITIES	
DESIGN BY:	CBKALE	
DRAWN BY:	JLOAIZA	
COVER SHEET		
C-100		
TIMOTHY M. PLATE, P.E.		
DATE:	41153	
LICENSE NO.		



**RECORD DATA
PROVIDED BY
BLUE OXLAND
SERVICES**

**SERENOA
VILLAGE 3
PHASE 1 & 3
"RECORD DRAWINGS"**

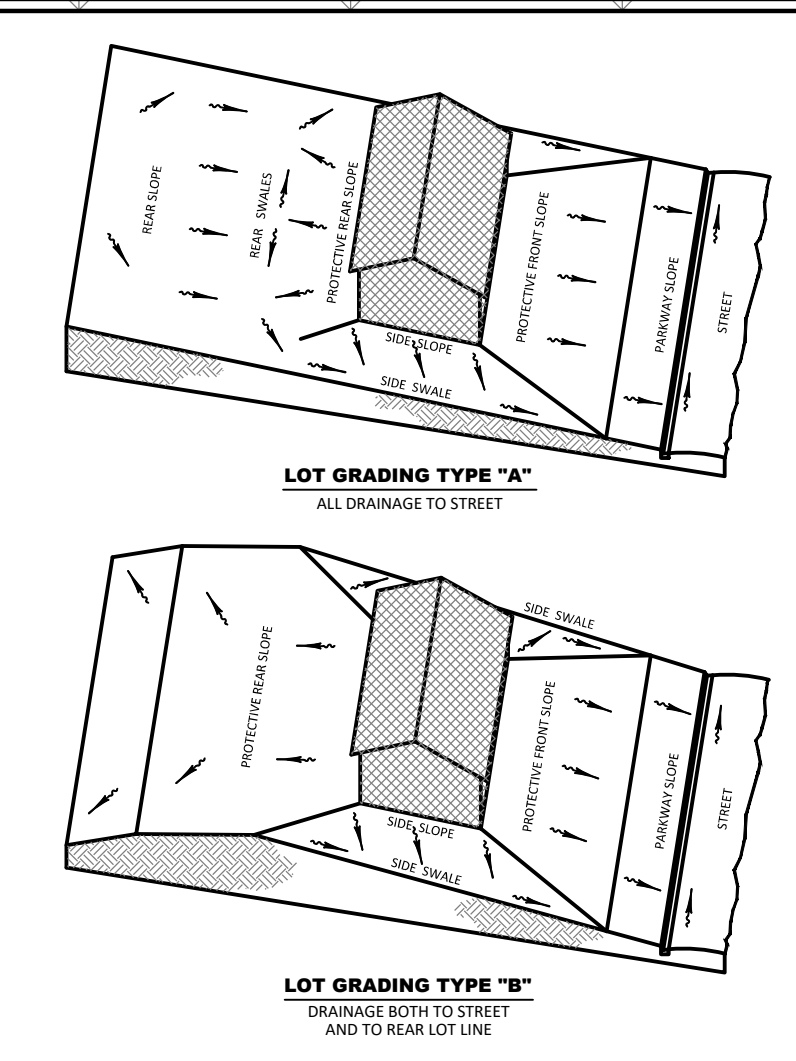
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- 109 (8' W) INDICATES "RECORD" ITEM NUMBER INDICATES "RECORD" ITEM DESCRIPTION

- NEIGHBORHOOD GRADING PLAN NOTES:**
- PAD AND FINISHED FLOOR ELEVATIONS SHOWN ARE MINIMUM GRADES. ELEVATIONS OF ADJOINING LOTS, EXISTING TREES, AND OTHER FIELD CONDITIONS MAY WARRANT LEAVING LOTS WHICH ARE HIGHER IN THEIR NATURAL STATE. THE CONTRACTOR SHOULD CONSULT WITH THE DEVELOPER/BUILDER AND THE ENGINEER PRIOR TO GRADING ACTIVITIES WHEN THESE CONDITIONS EXIST. NOTE DEVIATIONS IN EXCESS OF TWELVE INCHES (12") HIGHER MAY REQUIRE REVIEW AND APPROVAL THROUGH THE APPLICABLE REVIEWING AGENCY.
 - PAD ELEVATIONS DENOTE FINISH GROUND ELEVATION AT PERIMETER OF BUILDING ENVELOPE. LOTS WITH TWO (2') FEET OR MORE OF FILL PLACEMENT ABOVE EXISTING (NATURAL) GRADE REQUIRE PROCESSING PER FHA DATA SHEET NO. 79-G IF FHA FINANCING IS TO BE PROVIDED. SIMILAR TESTING IS RECOMMENDED AS A QUALITY CONTROL PROGRAM IN THE ABSENCE OF FHA REQUIRED TESTING.
 - FOR ALL LOTS ABUTTING WETLANDS NO GRADING SHALL TAKE PLACE BEYOND THE EROSION CONTROL LINE UNLESS SPECIFICALLY SHOWN ON THE APPROVED CONSTRUCTION PLANS.
 - SIDE SWALES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH HOUSE CONSTRUCTION. DURING THE SITE GRADING ACTIVITIES, THE CONTRACTOR SHALL GRADE THE SIDE YARDS TO AN ELEVATION NO LOWER THAN 0.2 FT. BELOW THE ADJOINING HOUSE PAD GRADES.
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 - FOR TYPE "B" LOT GRADING ABUTTING TYPE "A" LOT GRADING, ALL REAR LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
 - FOR TYPE "B" LOT GRADING NOT ABUTTING STORMWATER FACILITIES, THE BUILDER SHALL MAKE EVERY PRACTICAL EFFORT TO DIRECT ROOF RUNOFF TO THE FRONTING RIGHT-OF-WAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
 - MINIMUM SIDE YARD SWALE SLOPES SHALL BE 1.0%.
 - DRIVEWAY LOCATIONS SHOULD BE DESIGNED TO AVOID CONFLICTS WITH FIRE HYDRANTS, CURB INLETS, AND OTHER CONFLICTS.

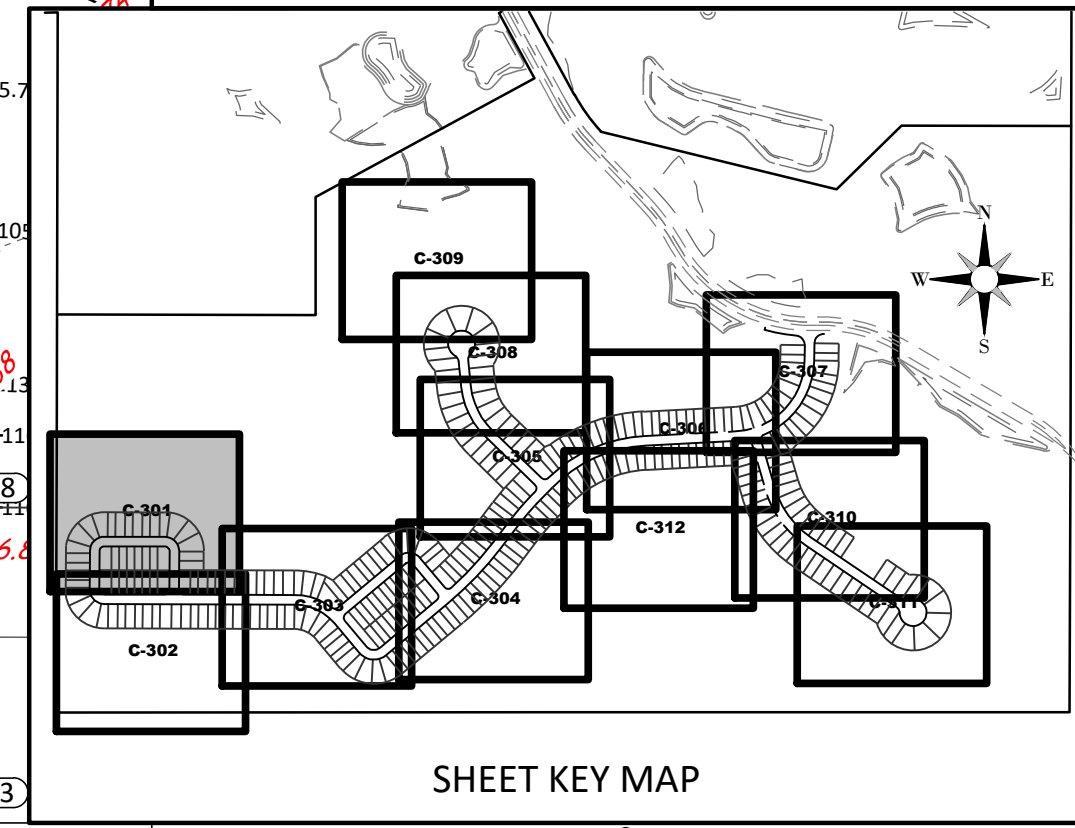


LEGEND

- - - SIRWMD WETLAND LINE
- - - SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
- - - FEMA LINE
- - - BOUNDARY LIMITS
- - - RIGHT-OF-WAY LINE
- - - PHASE LINE
- WETLAND IMPACT

DRAINAGE LEGEND

- EXISTING: 10, 15.0, 15.00, 60.2, 53.9, 15.00, 15.00
- PROPOSED: 10, CS-F, 15.00, 60.2, 53.9, 15.00, 15.00
- STORM DRAINAGE STRUCTURE & PIPE STRUCTURE NO.
- CONTROL STRUCTURE NO.
- SPOT ELEVATION GROUND
- SPOT ELEVATION PAVEMENT
- TOP OF WALL
- BOTTOM OF WALL (EXIST. ELEV)
- ROADWAY PROFILE ELEVATION
- CONTOUR
- FINISH FLOOR ELEVATION
- DIRECTION OF SURFACE FLOW
- UNDERDRAIN WITH CLEANOUT
- STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- FLOATING TURBIDITY BARRIER
- BOTTOM OF POND/TOP OF BANK OF POND
- 6' WALL/FENCE (BY OTHERS)
- PLAN & PROFILE SHEET NUMBER
- SECTION ID LABEL
- SECTION SHEET NUMBER
- SOIL BORING
- WETLAND SETBACK ENCROACHMENT
- WETLAND SETBACK COMPENSATION



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**SERENOA VILLAGE 3 - PHASE 1, 2 & 3
GRADING & DRAINAGE PLAN**

PREPARED FOR: **VK AVALON GROVES, LLC**

DATE	DESCRIPTION
03/07/2021	ADDED PH 1 & 2 RECORD INFO.
3/08/2021	REV. PAD ELEV. / FF GRADIES PHASE 2
03/20/2020	REV. WETLANDS MAP, LOTS & GRADIES
11/08/2019	REVISION SUBMITTAL

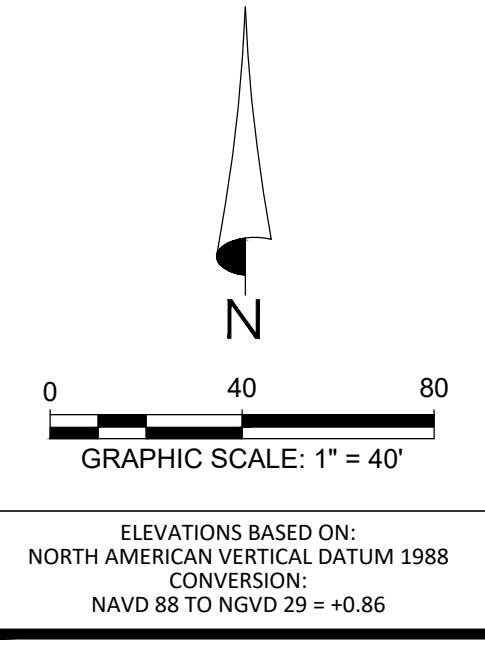
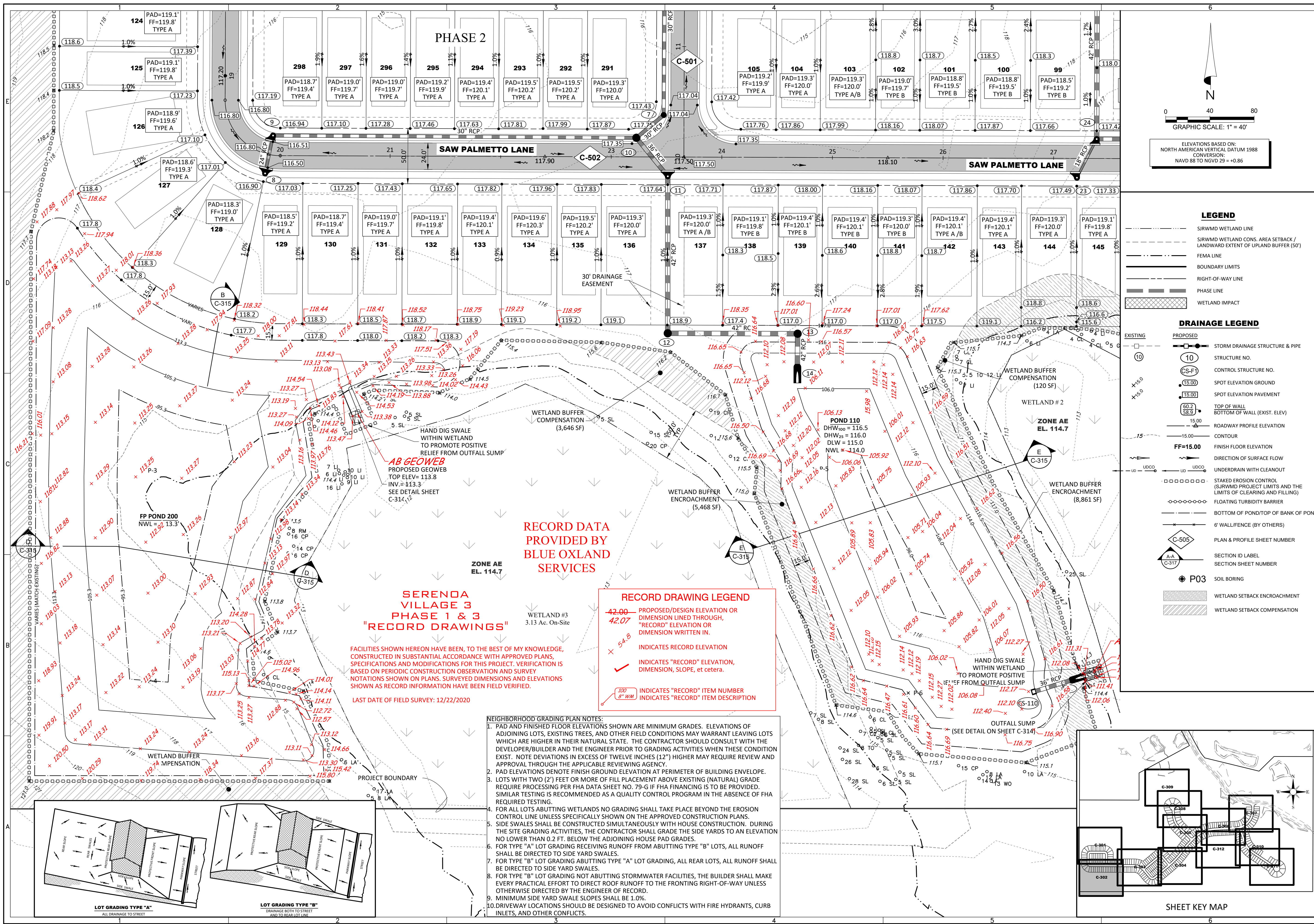
PROJECT NO: KLP-AG-1089
FILE: GD-REC
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER
Timothy M. Plate, (State of Florida, Professional Engineer, License No. 41153)
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TIMOTHY M. PLATE, P.E.
DATE: _____
LICENSE NO. 41153

C-301

R:\AVALON GROVES\BILLBOARD\RECORD\PHASES 1&2&3\DWG-C-301_20210314_8:33 PM.ALCIA.BAKES



LEGEND

- SIRWMD WETLAND LINE
- SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
- FEMA LINE
- BOUNDARY LIMITS
- RIGHT-OF-WAY LINE
- PHASE LINE
- WETLAND IMPACT

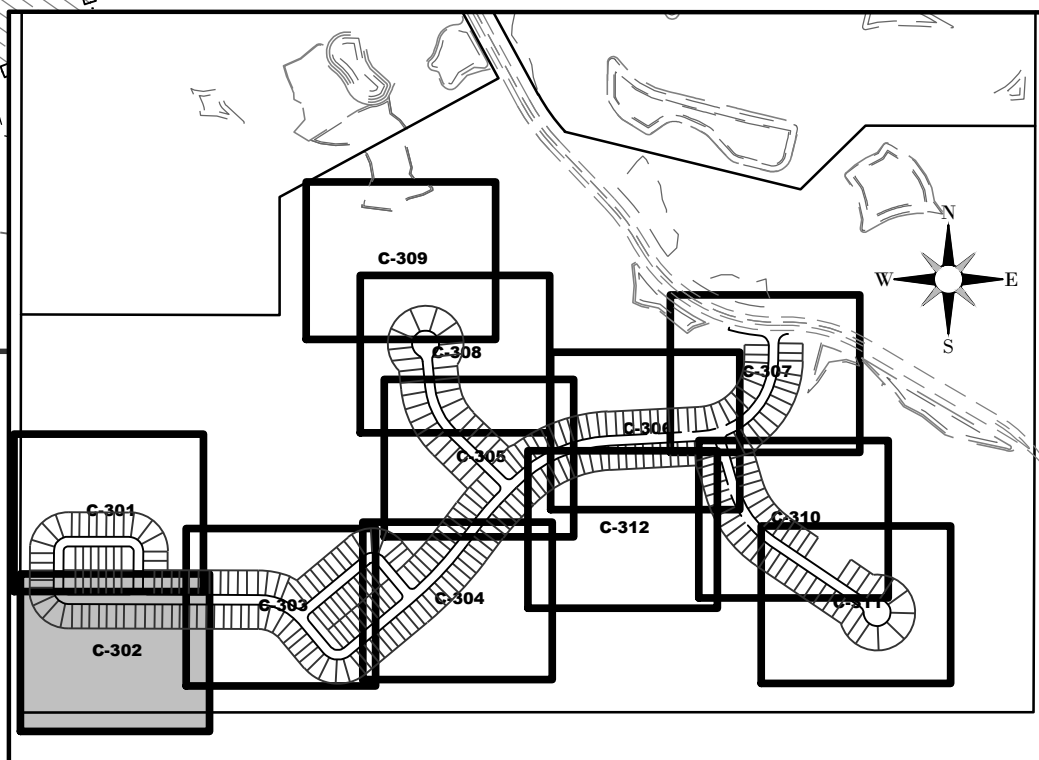
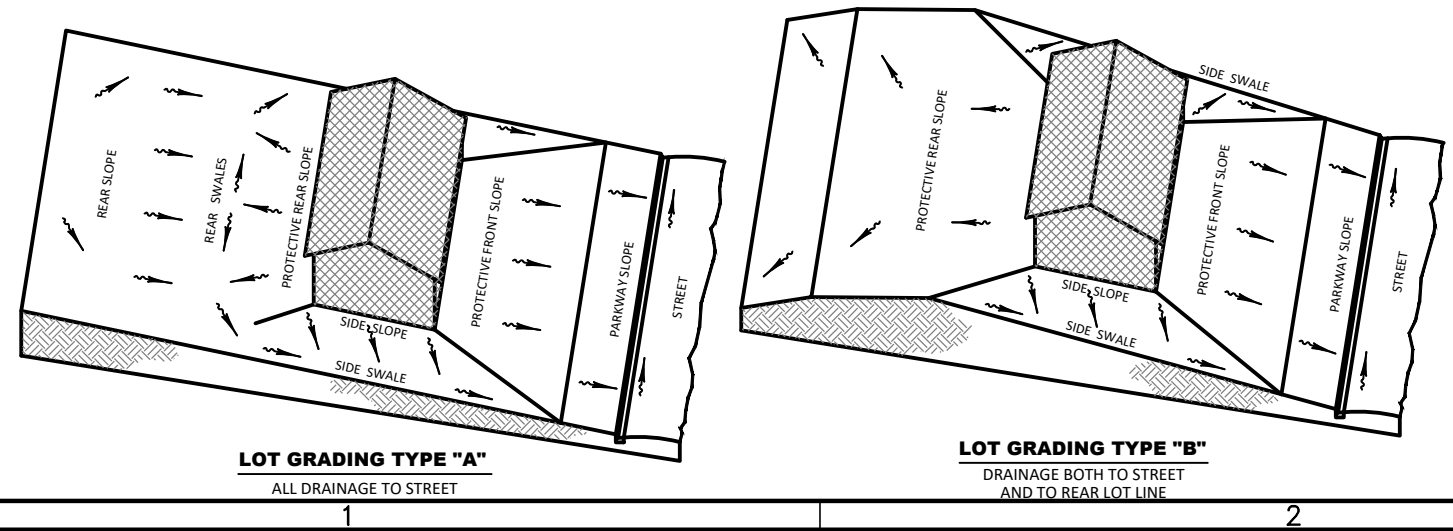
DRAINAGE LEGEND

- EXISTING: 10 (Structure No.), 15.00 (Spot Elevation Ground), 60.2 (Top of Wall), 53.9 (Bottom of Wall), 15.00 (Roadway Profile Elevation), 15.00 (Contour), FF=15.00 (Finish Floor Elevation)
- PROPOSED: 10 (Storm Drainage Structure & Pipe), 15.00 (Spot Elevation Pavement), 60.2 (Top of Wall), 53.9 (Bottom of Wall), 15.00 (Roadway Profile Elevation), 15.00 (Contour), FF=15.00 (Finish Floor Elevation)
- 10 (Structure No.)
- CS-F (Control Structure No.)
- 15.00 (Spot Elevation Ground)
- 60.2 (Top of Wall)
- 53.9 (Bottom of Wall)
- 15.00 (Roadway Profile Elevation)
- 15.00 (Contour)
- FF=15.00 (Finish Floor Elevation)
- Direction of Surface Flow
- Underdrain with Cleanout
- Staked Erosion Control
- Bottom of Pond/Top of Bank of Pond
- 6" Wall/Fence (by Others)
- C-505 (Plan & Profile Sheet Number)
- A-A (Section ID Label)
- C-317 (Section Sheet Number)
- P03 (Soil Boring)
- Wetland Setback Encroachment
- Wetland Setback Compensation

RECORD DRAWING LEGEND

- 42.00 (Proposed/Design Elevation or Dimension Lined Through)
- 42.07 (Record Elevation or Dimension Written In)
- 54.8 (Indicates Record Elevation)
- ✓ (Indicates "Record" Elevation, Dimension, Slope, et cetera)
- 100 (Indicates "Record" Item Number)
- 8" WM (Indicates "Record" Item Description)

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PREPARED FOR: **VK AVALON GROVES, LLC**

NO.	DATE	DESCRIPTION
1	03/07/2021	ADDED PH 1 & 3 RECORD INFO.
2	11/08/2023	REVISION SUBMITTAL

PROJECT NO.: KLP-AG-1089
FILE: GD-REF
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER

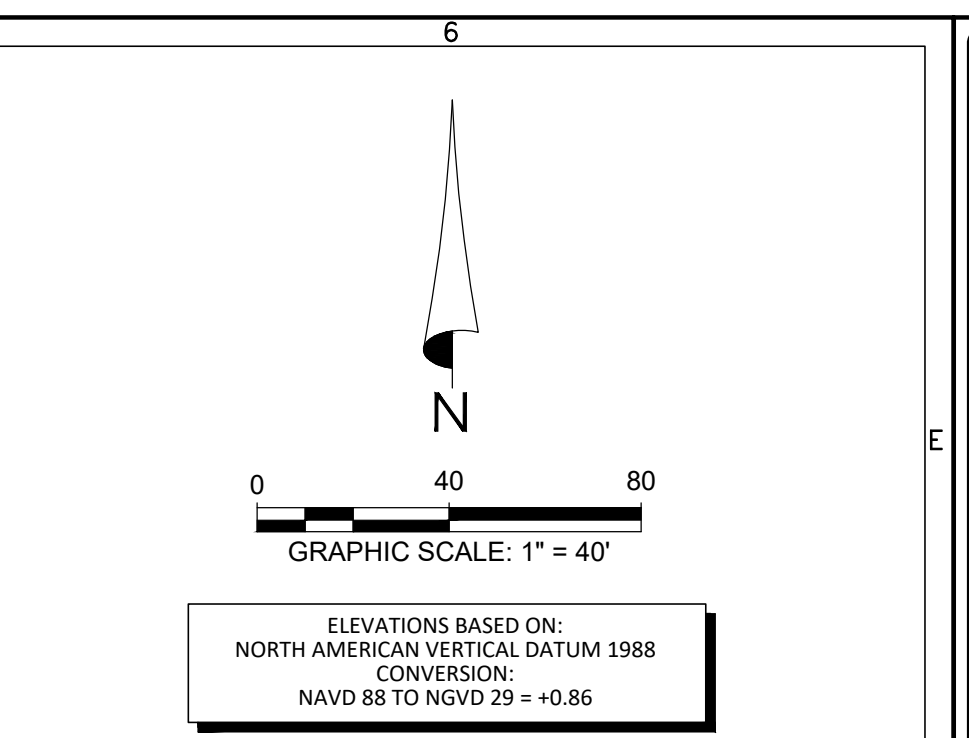
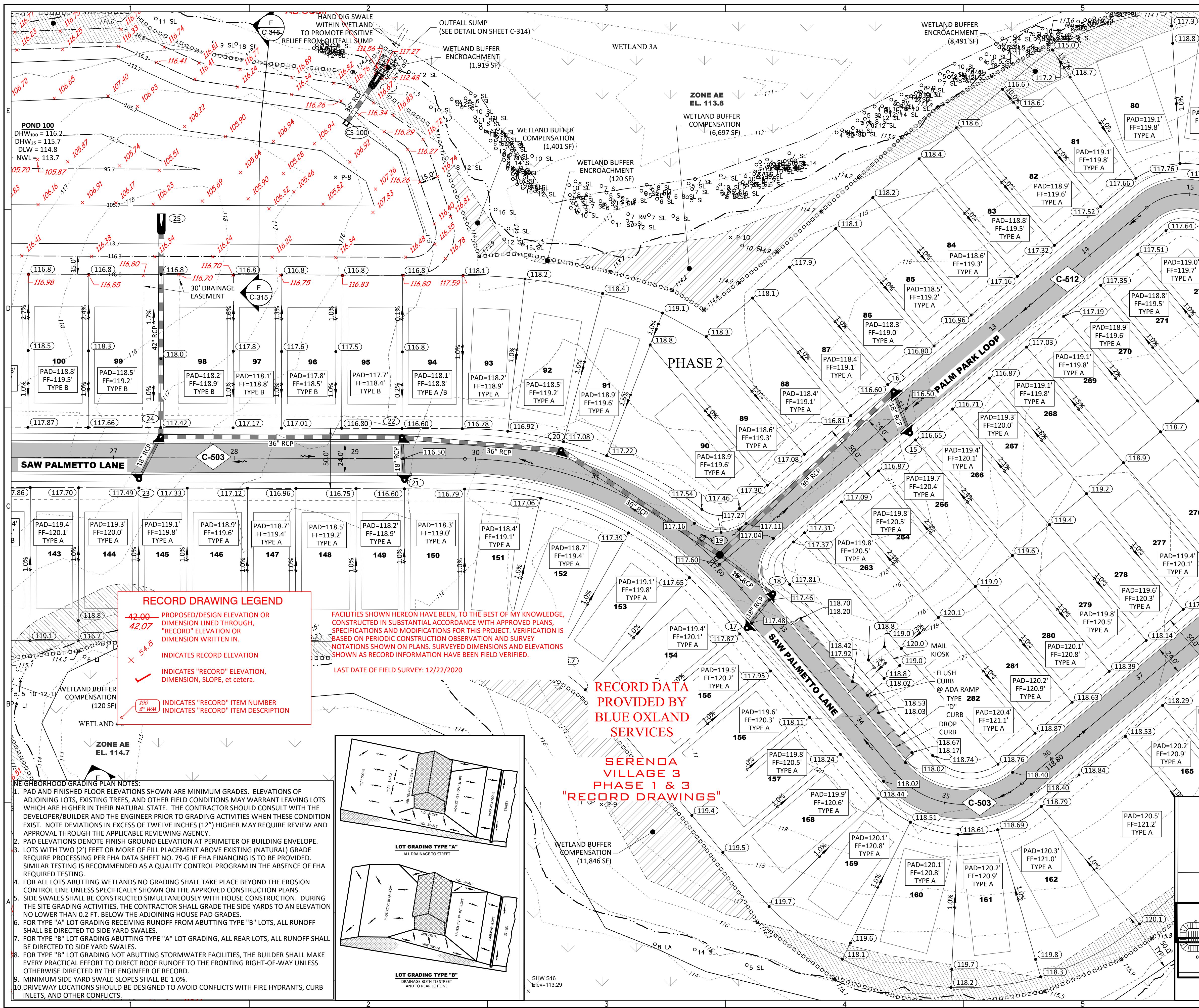
Timothy M. Plate, State of Florida,
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TIMOTHY M. PLATE, P.E.
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LICENSE NO. 41153

C-302



- LEGEND**
- SIRWMD WETLAND LINE
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 - FEMA LINE
 - BOUNDARY LIMITS
 - RIGHT-OF-WAY LINE
 - PHASE LINE
 - WETLAND IMPACT
- DRAINAGE LEGEND**
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 - STRUCTURE NO.
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 - TOP OF WALL
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 - PLAN & PROFILE SHEET NUMBER
 - SECTION ID LABEL
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 - P03
 - SOIL BORING
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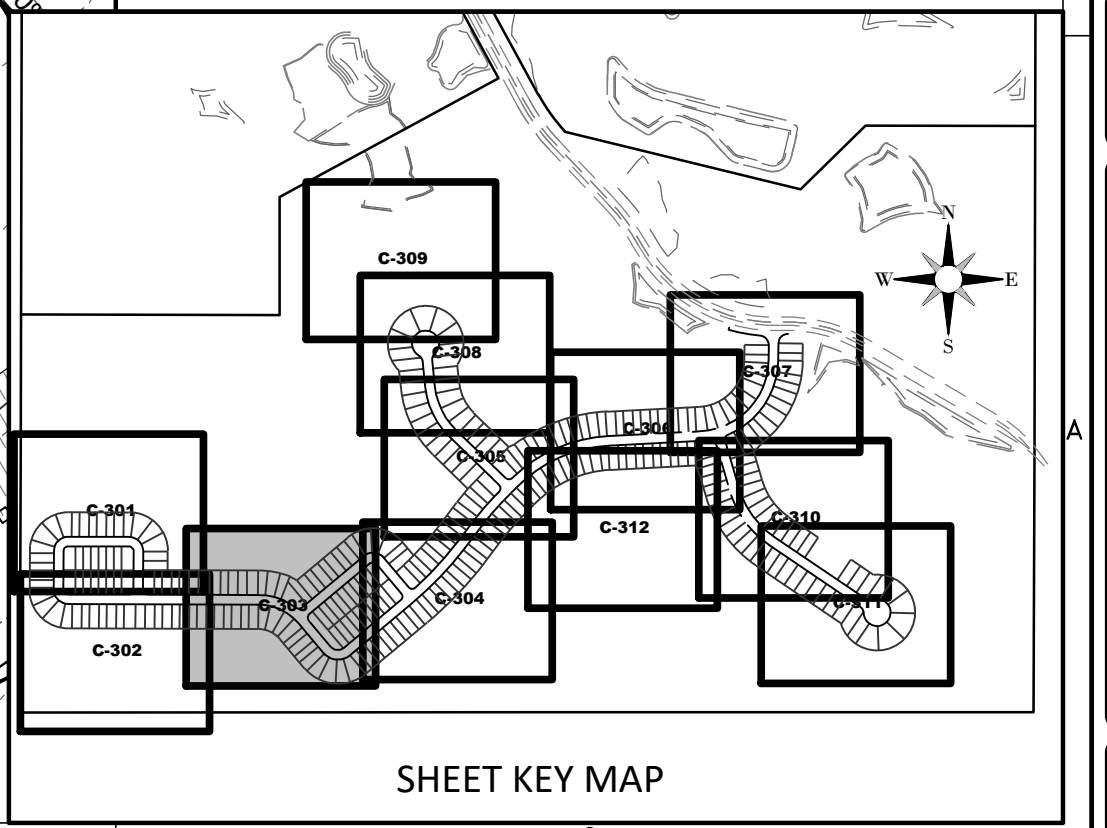
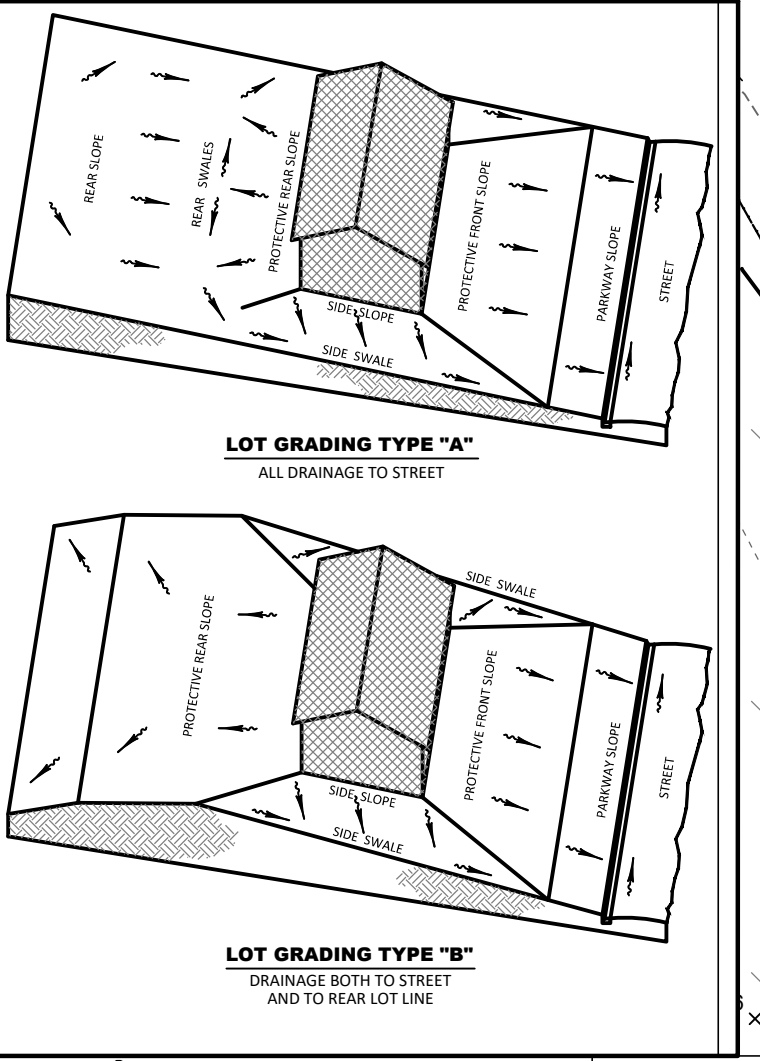
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SERENOA VILLAGE 3 PHASE 1 & 3 "RECORD DRAWINGS"

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SERENOA VILLAGE 3 - PHASE 1, 2 & 3
GRADING & DRAINAGE PLAN

PREPARED FOR: **VK AVALON GROVES, LLC**

DATE	DESCRIPTION
03/07/2021	ADDED PH 1 & 3 RECORD INFO.
11/08/2019	REVISOR SUBMITTAL
11/08/2019	REVISOR SUBMITTAL
03/08/2021	REV. PAD ELEV./FF GRADING PHASE 2, & REMOVED LOTS 163 & 164
03/07/2020	MOVED STR 19
03/07/2020	REV. WETLANDS MAP, LOTS & GRADES
11/13/2019	REV. PARKING GRADES
11/08/2019	REVISOR SUBMITTAL

PROJECT NO.: KLP-AG-1089
FILE: GD-REC
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER

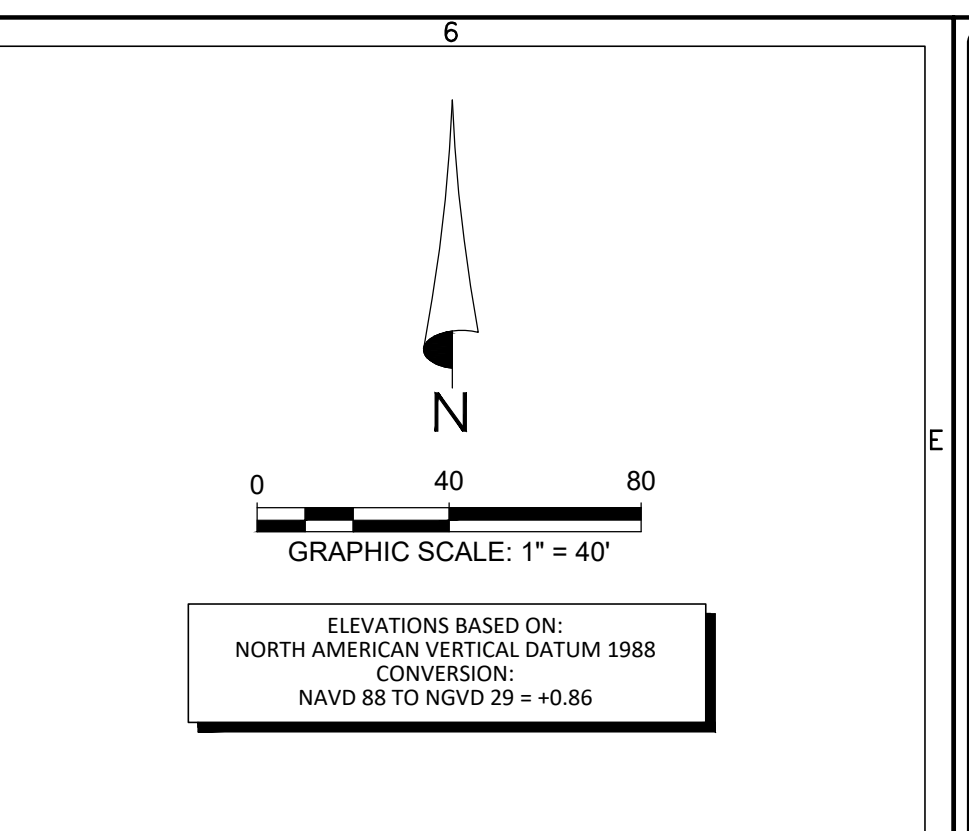
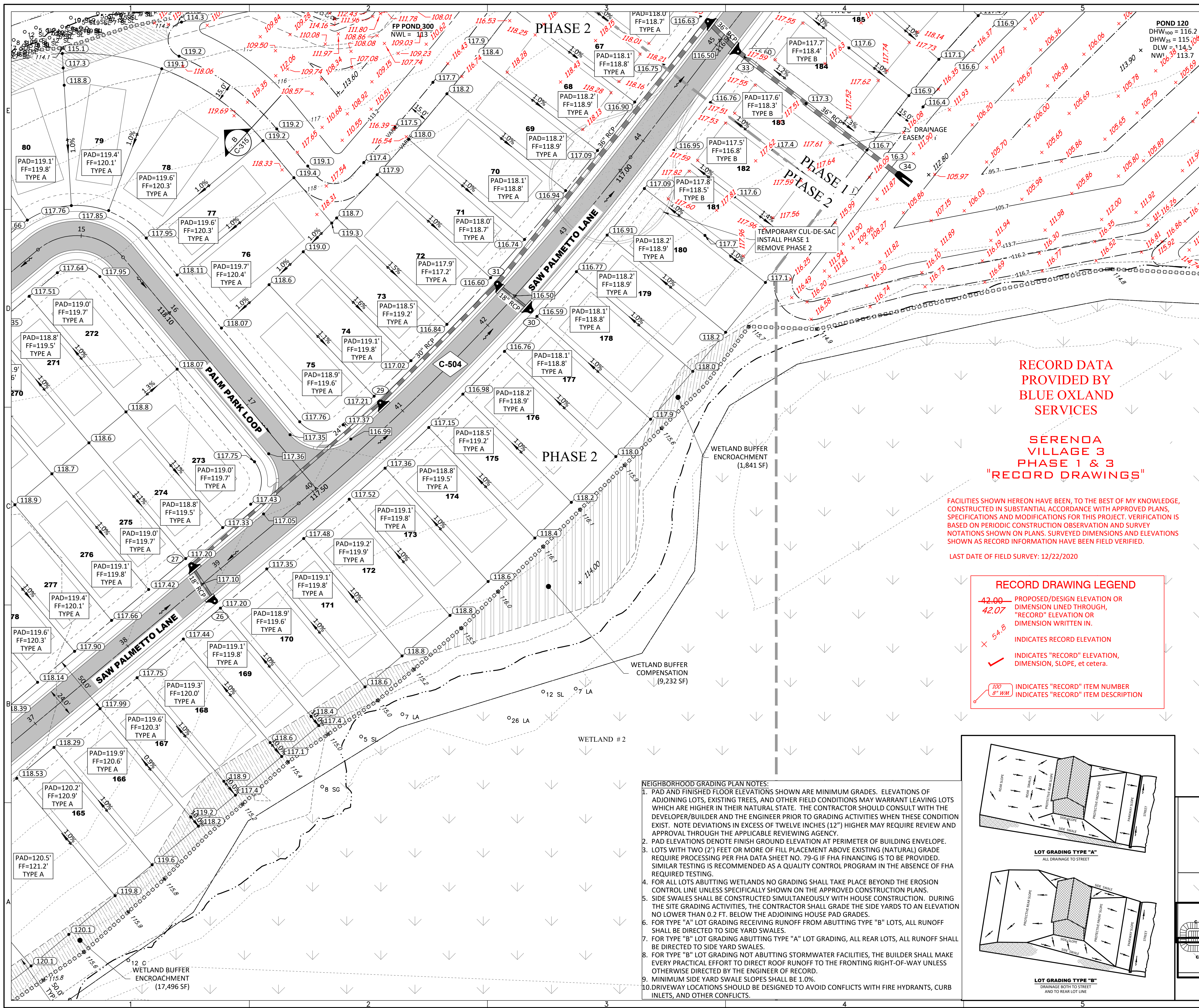
Timothy M. Plate, State of Florida,
Professional Engineer, License No. 41153

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TIMOTHY M. PLATE, P.E.
DATE: _____
LICENSE NO. 41153

C-303



LEGEND

- SIRWMD WETLAND LINE
- SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
- FEMA LINE
- BOUNDARY LIMITS
- RIGHT-OF-WAY LINE
- PHASE LINE
- WETLAND IMPACT

DRAINAGE LEGEND

EXISTING	PROPOSED	DESCRIPTION
(10)	(10)	STORM DRAINAGE STRUCTURE & PIPE STRUCTURE NO.
(C-S-F)	(C-S-F)	CONTROL STRUCTURE NO.
15.00	15.00	SPOT ELEVATION GROUND
15.00	15.00	SPOT ELEVATION PAVEMENT
60.2	60.2	TOP OF WALL (EXIST. ELEV)
53.9	53.9	BOTTOM OF WALL (EXIST. ELEV)
15.00	15.00	ROADWAY PROFILE ELEVATION
15	15	CONTOUR
FF=15.00	FF=15.00	FINISH FLOOR ELEVATION
→	→	DIRECTION OF SURFACE FLOW
UD	UD	UNDERDRAIN WITH CLEANOUT
□	□	STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
○	○	FLOATING TURBIDITY BARRIER
—	—	BOTTOM OF POND/TOP OF BANK OF POND
—	—	6" WALL/FENCE (BY OTHERS)
◇	◇	PLAN & PROFILE SHEET NUMBER
◇	◇	SECTION ID LABEL
◇	◇	SECTION SHEET NUMBER
⊕	⊕	SOIL BORING
▨	▨	WETLAND SETBACK ENCROACHMENT
▨	▨	WETLAND SETBACK COMPENSATION

RECORD DATA PROVIDED BY BLUE OXLAND SERVICES

SERENOA VILLAGE 3 PHASE 1 & 3 RECORD DRAWINGS

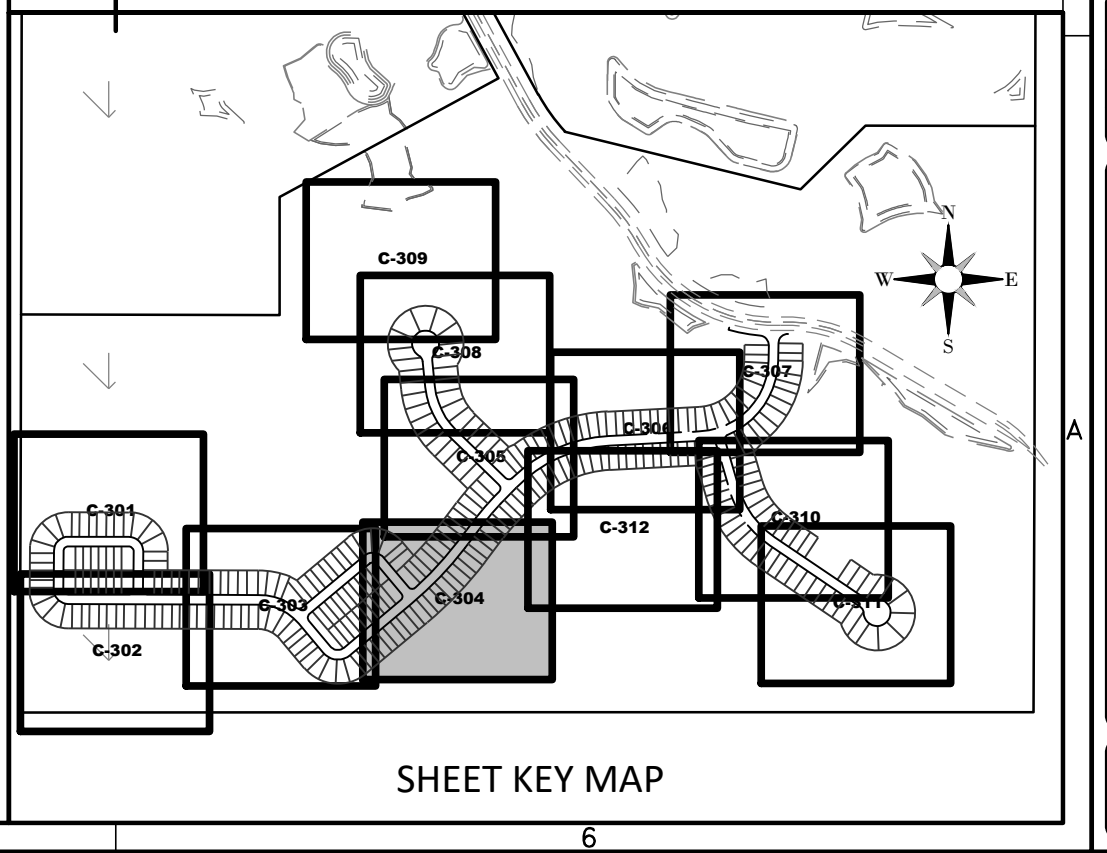
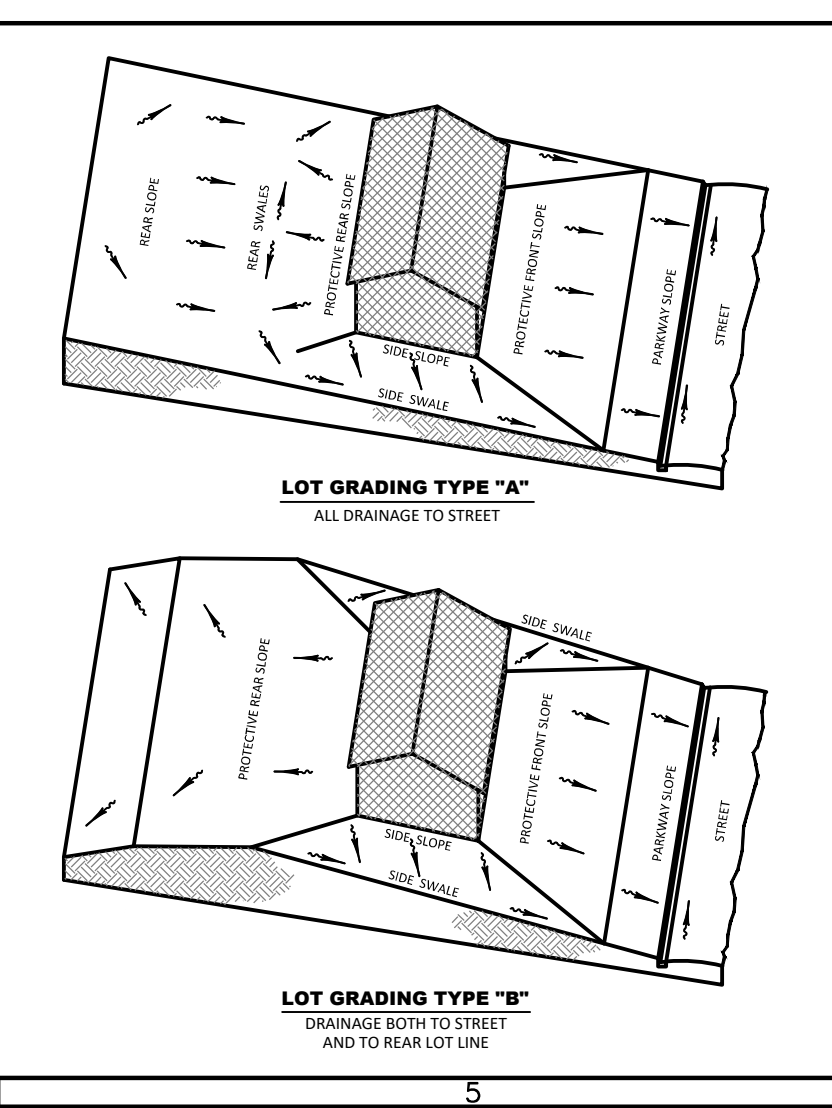
FACILITIES SHOWN HEREON HAVE BEEN, TO THE BEST OF MY KNOWLEDGE, CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH APPROVED PLANS, SPECIFICATIONS AND MODIFICATIONS FOR THIS PROJECT. VERIFICATION IS BASED ON PERIODIC CONSTRUCTION OBSERVATION AND SURVEY NOTATIONS SHOWN ON PLANS. SURVEYED DIMENSIONS AND ELEVATIONS SHOWN AS RECORD INFORMATION HAVE BEEN FIELD VERIFIED.

LAST DATE OF FIELD SURVEY: 12/22/2020

RECORD DRAWING LEGEND

- 42.00 PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH, "RECORD" ELEVATION OR DIMENSION WRITTEN IN.
- 54.8 INDICATES RECORD ELEVATION
- INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.
- 700 #11M INDICATES "RECORD" ITEM NUMBER
- INDICATES "RECORD" ITEM DESCRIPTION

- NEIGHBORHOOD GRADING PLAN NOTES:**
- PAD AND FINISHED FLOOR ELEVATIONS SHOWN ARE MINIMUM GRADES. ELEVATIONS OF ADJOINING LOTS, EXISTING TREES, AND OTHER FIELD CONDITIONS MAY WARRANT LEAVING LOTS WHICH ARE HIGHER IN THEIR NATURAL STATE. THE CONTRACTOR SHOULD CONSULT WITH THE DEVELOPER/BUILDER AND THE ENGINEER PRIOR TO GRADING ACTIVITIES WHEN THESE CONDITIONS EXIST. NOTE DEVIATIONS IN EXCESS OF TWELVE INCHES (12") HIGHER MAY REQUIRE REVIEW AND APPROVAL THROUGH THE APPLICABLE REVIEWING AGENCY.
 - PAD ELEVATIONS DENOTE FINISH GROUND ELEVATION AT PERIMETER OF BUILDING ENVELOPE.
 - LOTS WITH TWO (2") FEET OR MORE OF HILL PLACEMENT ABOVE EXISTING (NATURAL) GRADE REQUIRE PROCESSING PER FHA DATA SHEET NO. 79-G IF FHA FINANCING IS TO BE PROVIDED. SIMILAR TESTING IS RECOMMENDED AS A QUALITY CONTROL PROGRAM IN THE ABSENCE OF FHA REQUIRED TESTING.
 - FOR ALL LOTS ABUTTING WETLANDS NO GRADING SHALL TAKE PLACE BEYOND THE EROSION CONTROL LINE UNLESS SPECIFICALLY SHOWN ON THE APPROVED CONSTRUCTION PLANS.
 - SIDE SWALES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH HOUSE CONSTRUCTION. DURING THE SITE GRADING ACTIVITIES, THE CONTRACTOR SHALL GRADE THE SIDE YARDS TO AN ELEVATION NO LOWER THAN 0.2 FT. BELOW THE ADJOINING HOUSE PAD GRADES.
 - FOR TYPE "A" LOT GRADING RECEIVING RUNOFF FROM ABUTTING TYPE "B" LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
 - FOR TYPE "B" LOT GRADING ABUTTING TYPE "A" LOT GRADING, ALL REAR LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
 - FOR TYPE "B" LOT GRADING NOT ABUTTING STORMWATER FACILITIES, THE BUILDER SHALL MAKE EVERY PRACTICAL EFFORT TO DIRECT ROOF RUNOFF TO THE FRONTING RIGHT-OF-WAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
 - MINIMUM SIDE YARD SWALE SLOPES SHALL BE 1.0%.
 - DRIVEWAY LOCATIONS SHOULD BE DESIGNED TO AVOID CONFLICTS WITH FIRE HYDRANTS, CURB INLETS, AND OTHER CONFLICTS.



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SERENOA VILLAGE 3 - PHASE 1, 2 & 3 GRADING & DRAINAGE PLAN

PREPARED FOR: **VK AVALON GROVES, LLC**

NO.	DATE	DESCRIPTION
1	03/10/2021	ADDED PH 1 & 3 RECORD INFO.
2	03/20/2020	REV. WETLANDS IMP. LOTS & GRADES
3	05/27/2020	REV. WETLANDS IMP. LOTS & GRADES
4	11/08/2019	REVISED SUBMITTAL

PROJECT NO: KLP-AG-1089
FILE: GD-REF
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Timothy M. Plate, State of Florida,
Professional Engineer, License No. 41153

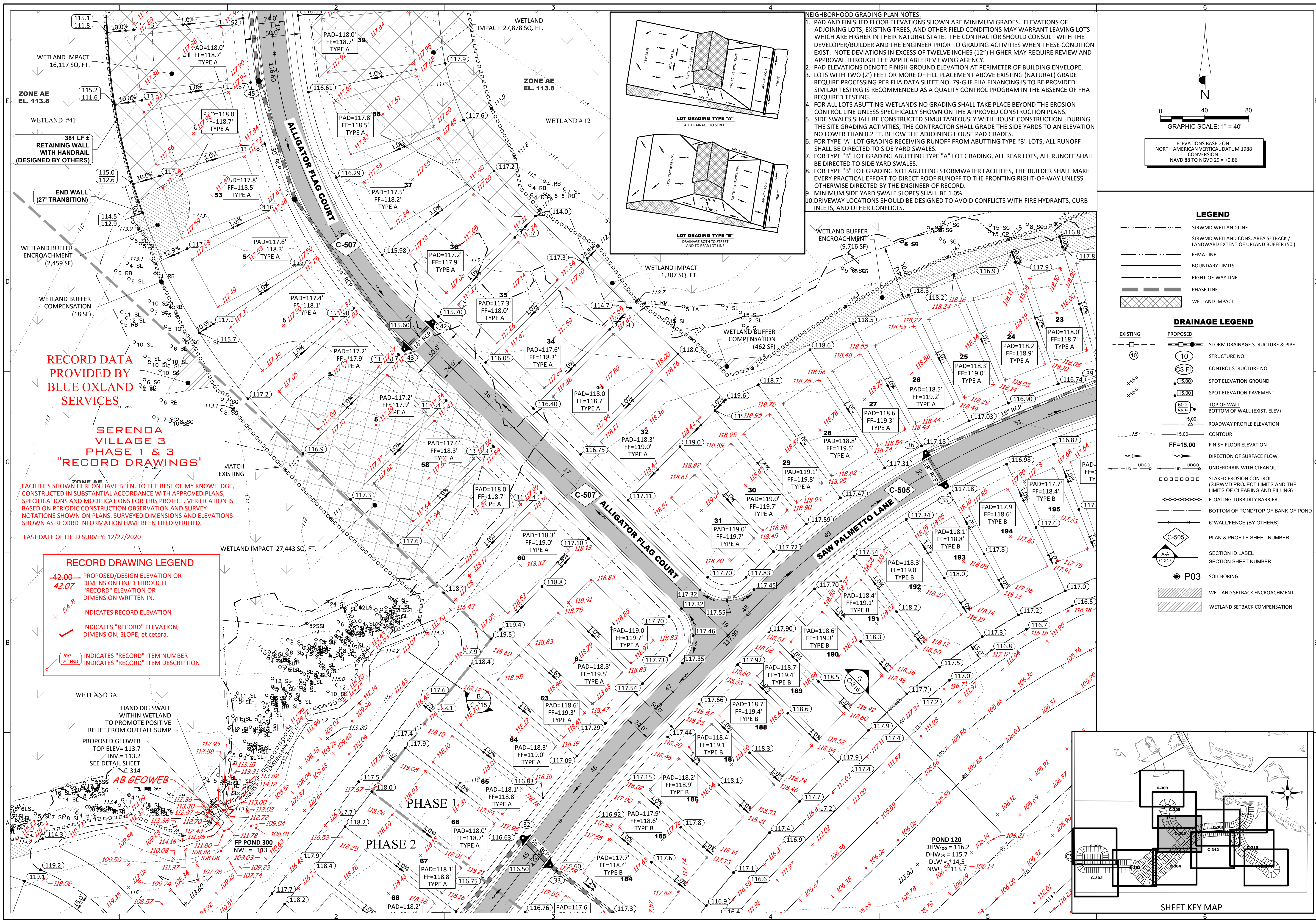
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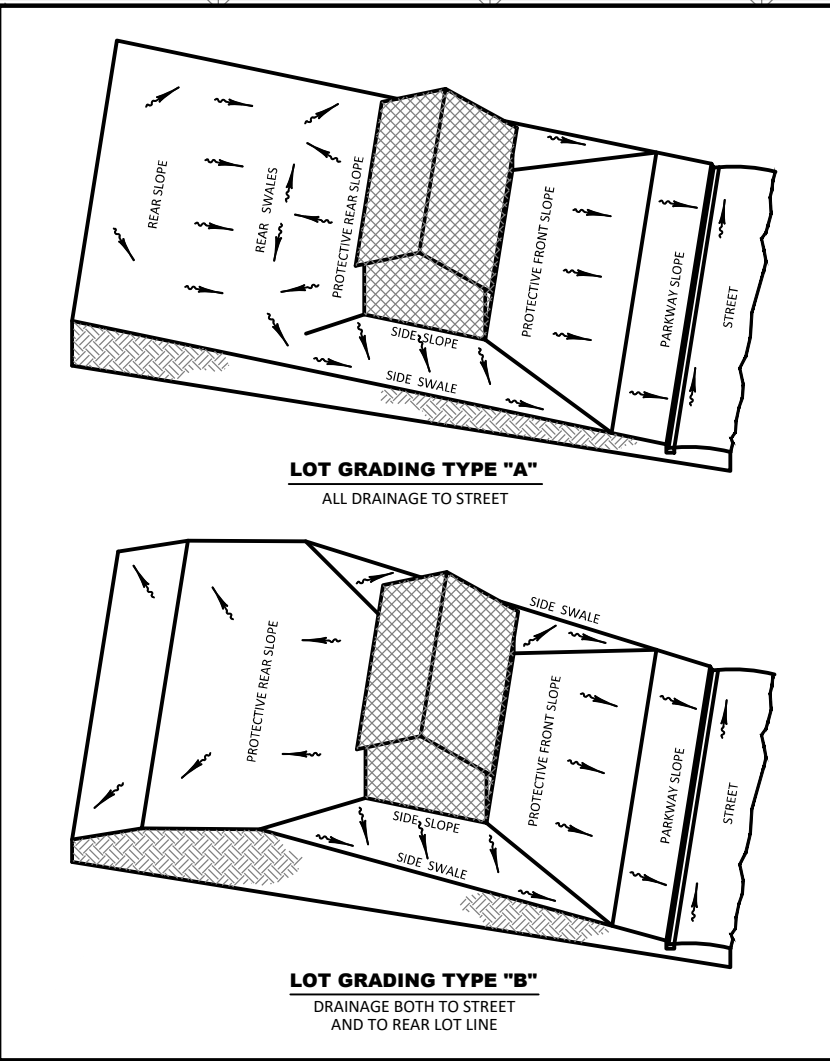
C-304

R: AVALON GROVES VILLAGE DESIGN/ENGINEERING RECORD PHASES 1&2&3 REC DWG-C-304 2021.03.14 10:02 PM ALCIA SIKES



NEIGHBORHOOD GRADING PLAN NOTES:

- PAD AND FINISHED FLOOR ELEVATIONS SHOWN ARE MINIMUM GRADES. ELEVATIONS OF ADJOINING LOTS, EXISTING TREES, AND OTHER FIELD CONDITIONS MAY WARRANT LEAVING LOTS WHICH ARE HIGHER IN THEIR NATURAL STATE. THE CONTRACTOR SHOULD CONSULT WITH THE DEVELOPER/BUILDER AND THE ENGINEER PRIOR TO GRADING ACTIVITIES WHEN THESE CONDITIONS EXIST. NOTE DEVIATIONS IN EXCESS OF TWELVE INCHES (12") HIGHER MAY REQUIRE REVIEW AND APPROVAL THROUGH THE APPLICABLE REVIEWING AGENCY.
- PAD ELEVATIONS DENOTE FINISH GROUND ELEVATION AT PERIMETER OF BUILDING ENVELOPE.
- LOTS WITH TWO (2) FEET OR MORE OF FILL PLACEMENT ABOVE EXISTING (NATURAL) GRADE REQUIRE PROCESSING PER FHA DATA SHEET NO. 79-G IF FHA FINANCING IS TO BE PROVIDED. SIMILAR TESTING IS RECOMMENDED AS A QUALITY CONTROL PROGRAM IN THE ABSENCE OF FHA REQUIRED TESTING.
- FOR ALL LOTS ABUTTING WETLANDS NO GRADING SHALL TAKE PLACE BEYOND THE EROSION CONTROL LINE UNLESS SPECIFICALLY SHOWN ON THE APPROVED CONSTRUCTION PLANS.
- SIDE SWALES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH HOUSE CONSTRUCTION. DURING THE SITE GRADING ACTIVITIES, THE CONTRACTOR SHALL GRADE THE SIDE YARDS TO AN ELEVATION NO LOWER THAN 0.2 FT. BELOW THE ADJOINING HOUSE PAD GRADES.
- FOR TYPE "A" LOT GRADING RECEIVING RUNOFF FROM ABUTTING TYPE "B" LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
- FOR TYPE "B" LOT GRADING ABUTTING TYPE "A" LOT GRADING, ALL REAR LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
- FOR TYPE "B" LOT GRADING NOT ABUTTING STORMWATER FACILITIES, THE BUILDER SHALL MAKE EVERY PRACTICAL EFFORT TO DIRECT ROOF RUNOFF TO THE FRONTING RIGHT-OF-WAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
- MINIMUM SIDE YARD SWALE SLOPES SHALL BE 1.0%.
- DRIVEWAY LOCATIONS SHOULD BE DESIGNED TO AVOID CONFLICTS WITH FIRE HYDRANTS, CURB INLETS, AND OTHER CONFLICTS.



LEGEND

- SIRWMD WETLAND LINE
- SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
- FEMA LINE
- BOUNDARY LIMITS
- RIGHT-OF-WAY LINE
- PHASE LINE
- WETLAND IMPACT

DRAINAGE LEGEND

- EXISTING: 10 (Structure No.), 15.00 (Spot Elevation), 60.2 (Top of Wall), 15.00 (Bottom of Pond/Top of Bank of Pond), 15 (Roadway Profile Elevation), 15.00 (Contour), FF=15.00 (Finish Floor Elevation)
- PROPOSED: 10 (Storm Drainage Structure & Pipe), CS-F (Control Structure No.), 15.00 (Spot Elevation Pavement), 60.2 (Top of Wall), 15.00 (Bottom of Pond/Top of Bank of Pond), 15 (Roadway Profile Elevation), 15.00 (Contour), FF=15.00 (Finish Floor Elevation)
- Direction of Surface Flow (UD, UDCO)
- UNDERDRAIN WITH CLEANOUT (FF=)
- STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- FLOATING TURBIDITY BARRIER
- BOTTOM OF POND/TOP OF BANK OF POND
- 6" WALL/FENCE (BY OTHERS)
- PLAN & PROFILE SHEET NUMBER (C-505)
- SECTION ID LABEL (A-A, C-C17)
- SECTION SHEET NUMBER
- SOIL BORING (P03)
- WETLAND SETBACK ENCROACHMENT
- WETLAND SETBACK COMPENSATION

RECORD DATA PROVIDED BY BLUE OXLAND SERVICES

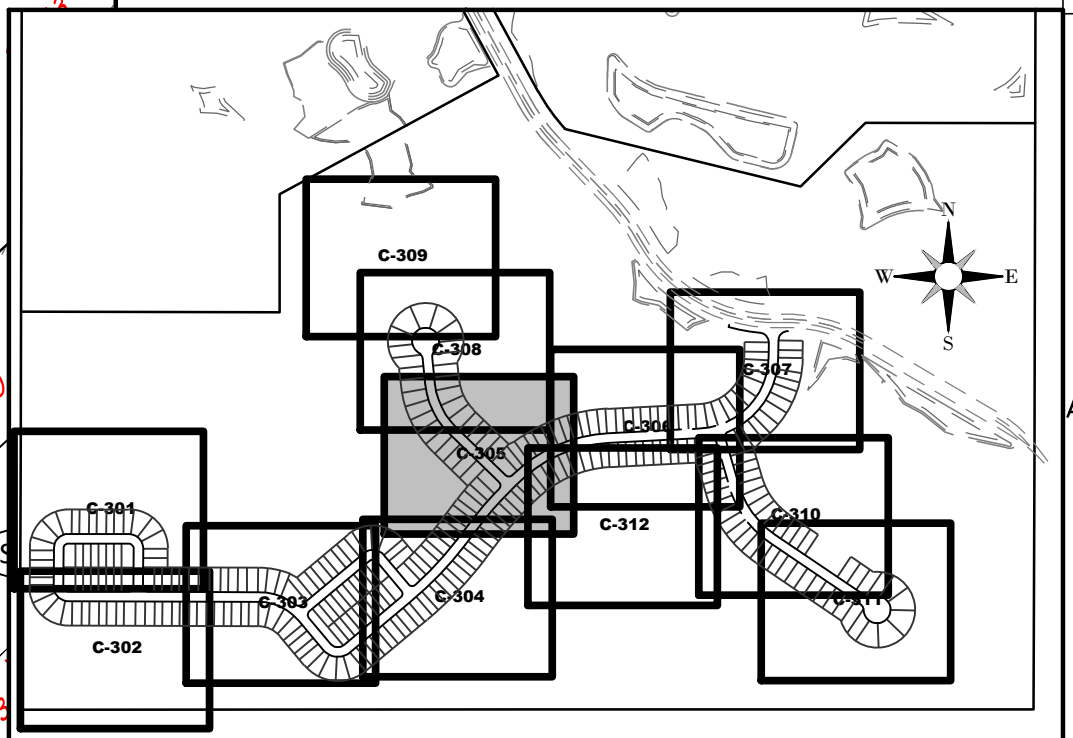
SERENOA VILLAGE 3 PHASE 1 & 3 "RECORD DRAWINGS"

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LAST DATE OF FIELD SURVEY: 12/22/2020

RECORD DRAWING LEGEND

- 42.00 - PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH, "RECORD" ELEVATION OR DIMENSION WRITTEN IN.
- 54.8 - INDICATES RECORD ELEVATION
- INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.
- 100 8" W/M - INDICATES "RECORD" ITEM NUMBER
- INDICATES "RECORD" ITEM DESCRIPTION



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SERENOA VILLAGE 3 - PHASE 1, 2 & 3

GRADING & DRAINAGE PLAN

PREPARED FOR: **VK AVALON GROVES, LLC**

DATE	DESCRIPTION
03/10/2021 <td>ADDED PH 1 & 3 RECORD INFO. </td>	ADDED PH 1 & 3 RECORD INFO.
9/3/2020	REV. PAD ELEV./FF GRADINGS PHASE 2
10/20/2020	REV. WETLANDS IMP. LOTS 5 & GRADINGS
11/08/2019	REVISION SUBMITTAL

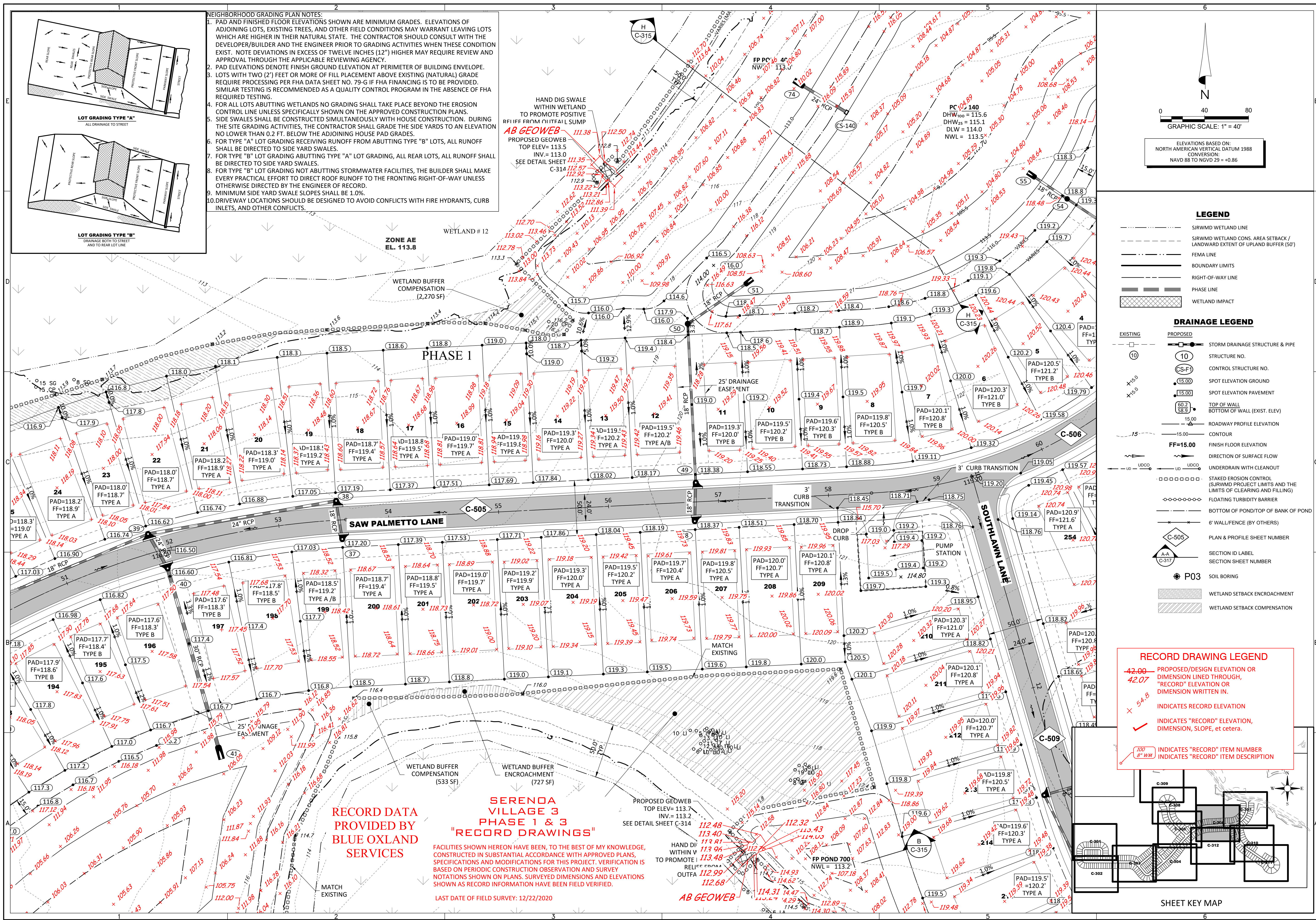
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STATE OF FLORIDA
PROFESSIONAL ENGINEER

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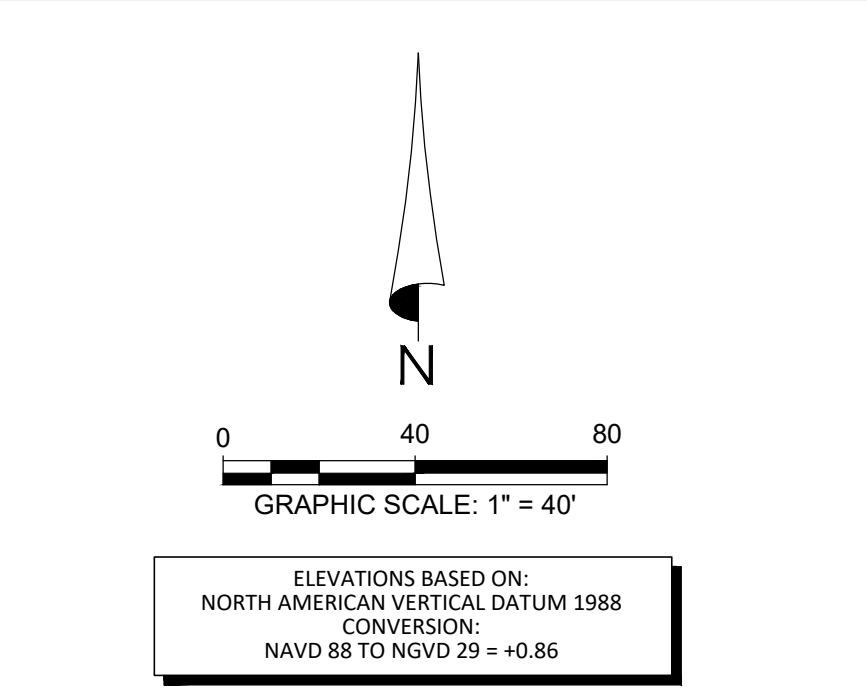
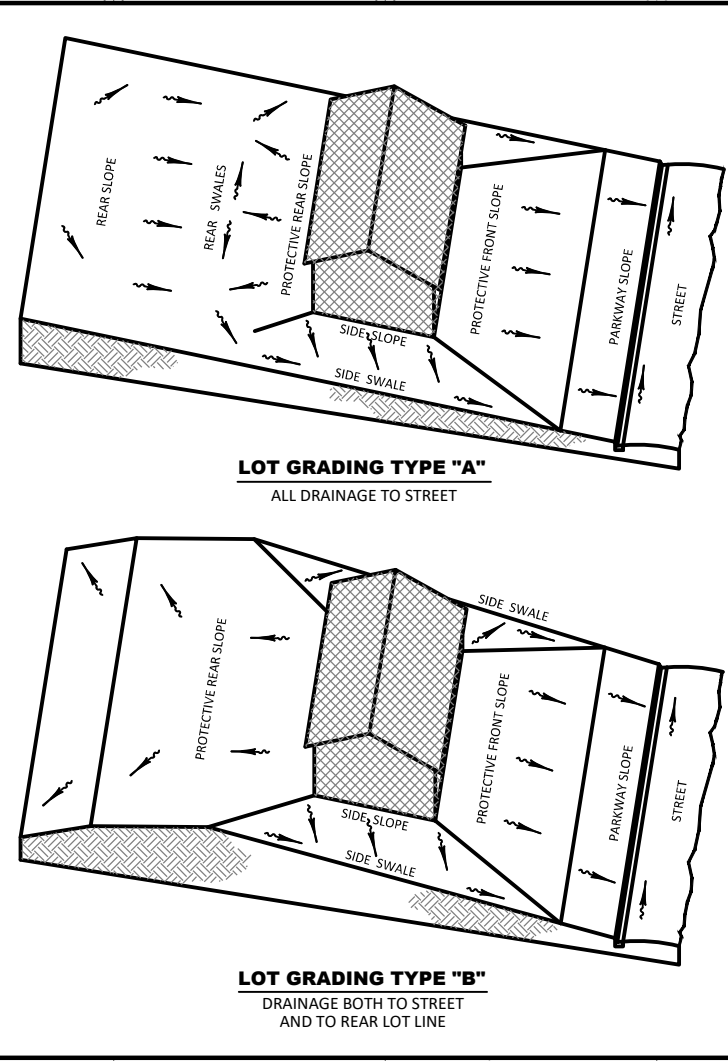
TIMOTHY M. PLATE, P.E.
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C-305



NEIGHBORHOOD GRADING PLAN NOTES:

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- SIDE SWALES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH HOUSE CONSTRUCTION. DURING THE SITE GRADING ACTIVITIES, THE CONTRACTOR SHALL GRADE THE SIDE YARDS TO AN ELEVATION NO LOWER THAN 0.2 FT. BELOW THE ADJOINING HOUSE PAD GRADES.
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- FOR TYPE "B" LOT GRADING ABUTTING TYPE "A" LOT GRADING, ALL REAR LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
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- DRIVEWAY LOCATIONS SHOULD BE DESIGNED TO AVOID CONFLICTS WITH FIRE HYDRANTS, CURB INLETS, AND OTHER CONFLICTS.



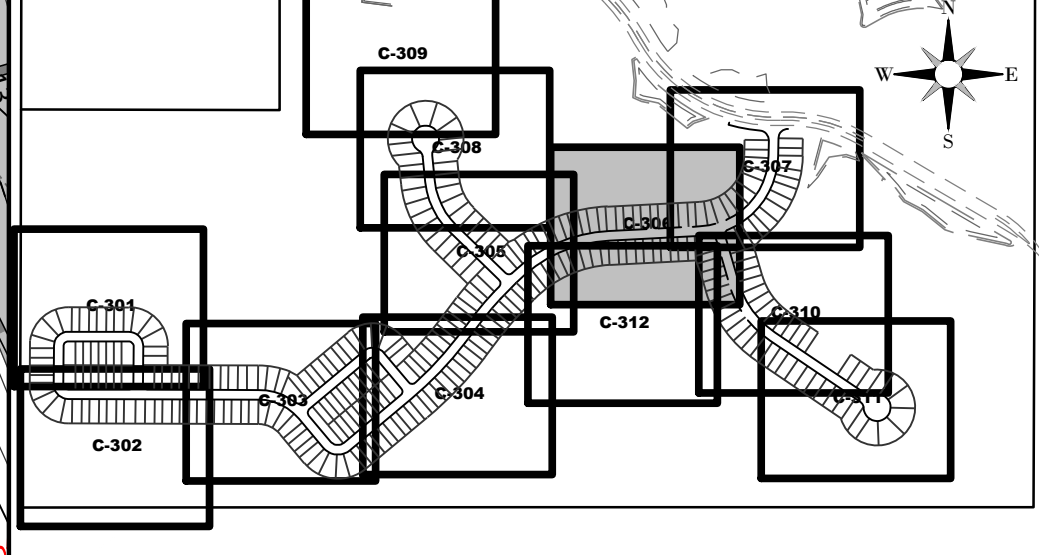
- LEGEND**
- SIRWMD WETLAND LINE
 - SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
 - FEMA LINE
 - BOUNDARY LIMITS
 - RIGHT-OF-WAY LINE
 - PHASE LINE
 - WETLAND IMPACT
- DRAINAGE LEGEND**
- EXISTING: 10 (Structure No.), 15.00 (Spot Elevation), 60.2 (Top of Wall), 53.3 (Bottom of Wall)
 - PROPOSED: 10 (Structure No.), 15.00 (Spot Elevation), 60.2 (Top of Wall), 53.3 (Bottom of Wall), 15.00 (Roadway Profile Elevation), 15.00 (Contour), FF=15.00 (Finish Floor Elevation)
 - STORM DRAINAGE STRUCTURE & PIPE STRUCTURE NO.
 - CONTROL STRUCTURE NO.
 - SPOT ELEVATION GROUND
 - SPOT ELEVATION PAVEMENT
 - TOP OF WALL
 - BOTTOM OF WALL (EXIST. ELEV)
 - ROADWAY PROFILE ELEVATION
 - CONTOUR
 - FINISH FLOOR ELEVATION
 - DIRECTION OF SURFACE FLOW
 - UNDERDRAIN WITH CLEANOUT
 - STAKED EROSION CONTROL (SERVING PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
 - FLOATING TURBIDITY BARRIER
 - BOTTOM OF POND/TOP OF BANK OF POND
 - 6" WALL/FENCE (BY OTHERS)
 - PLAN & PROFILE SHEET NUMBER
 - SECTION ID LABEL
 - SECTION SHEET NUMBER
 - SOIL BORING
 - WETLAND SETBACK ENCROACHMENT
 - WETLAND SETBACK COMPENSATION

- RECORD DRAWING LEGEND**
- 42.00 - PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH, "RECORD" ELEVATION OR DIMENSION WRITTEN IN.
 - 42.07 - INDICATES RECORD ELEVATION
 - 54.8 - INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.
 - 100 8" W - INDICATES "RECORD" ITEM NUMBER
 - INDICATES "RECORD" ITEM DESCRIPTION

SERENOA VILLAGE 3 PHASE 1 & 3 "RECORD DRAWINGS"

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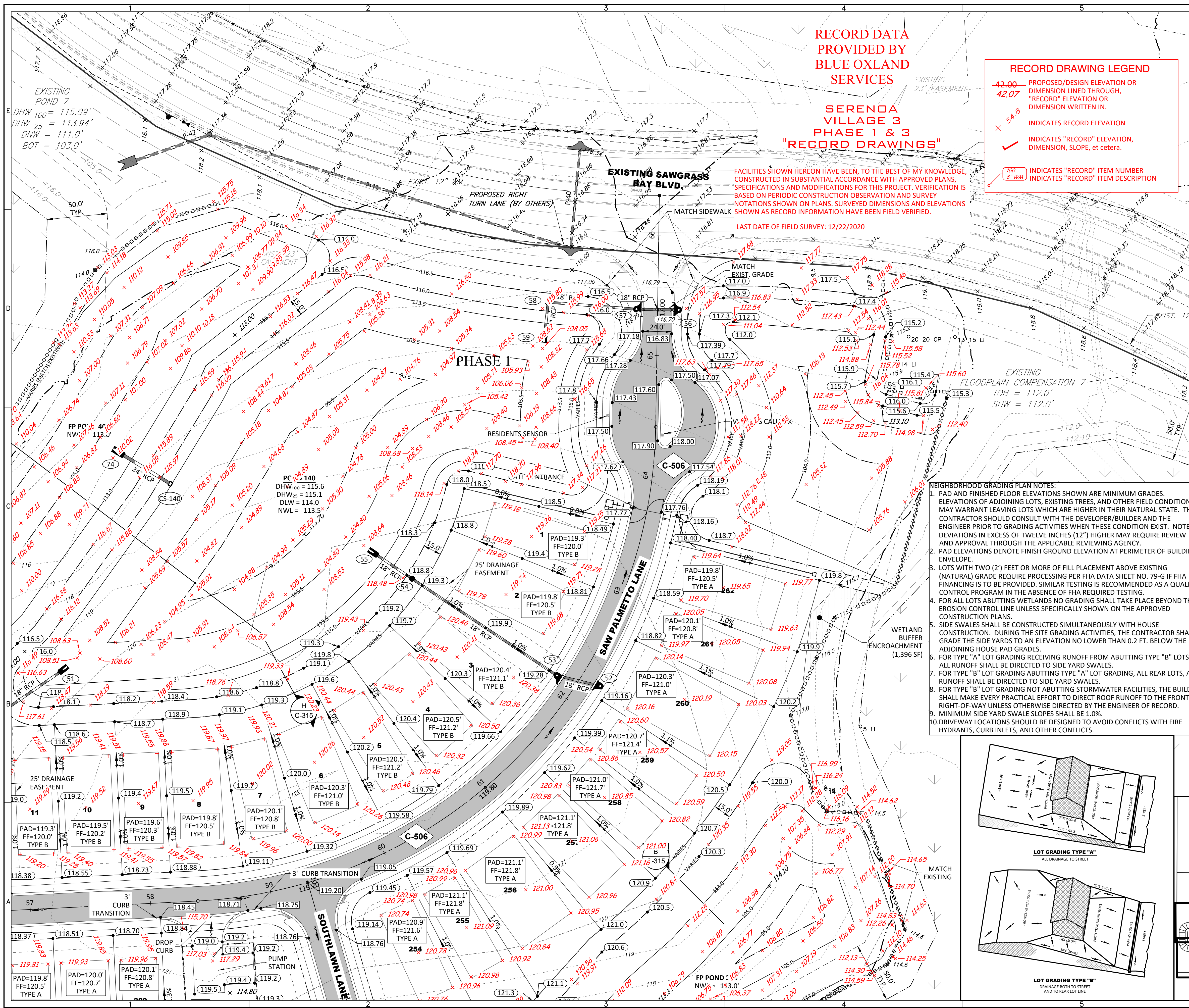
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03/20/2020	REV. WETLANDS MAP, LOTS & GRADES
11/08/2019	REVISION SUBMITTAL

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C-306



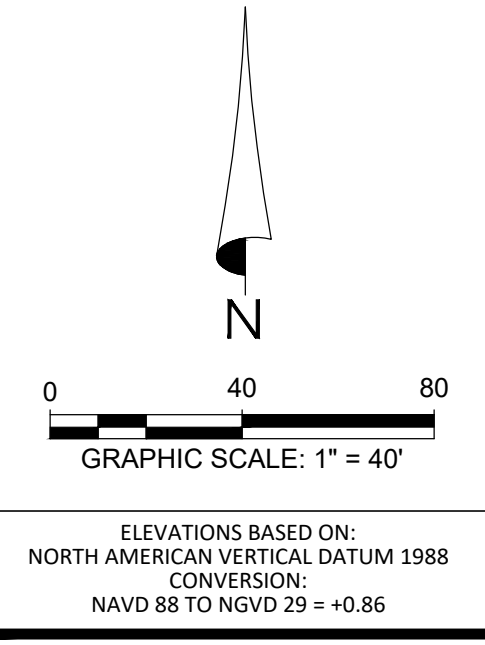
RECORD DATA PROVIDED BY BLUE OXLAND SERVICES

SERENOA VILLAGE 3 PHASE 1 & 3 "RECORD DRAWINGS"

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 - x 54.8 - INDICATES RECORD ELEVATION
 - ✓ - INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.
 - 100 8" WM - INDICATES "RECORD" ITEM NUMBER
 - INDICATES "RECORD" ITEM DESCRIPTION

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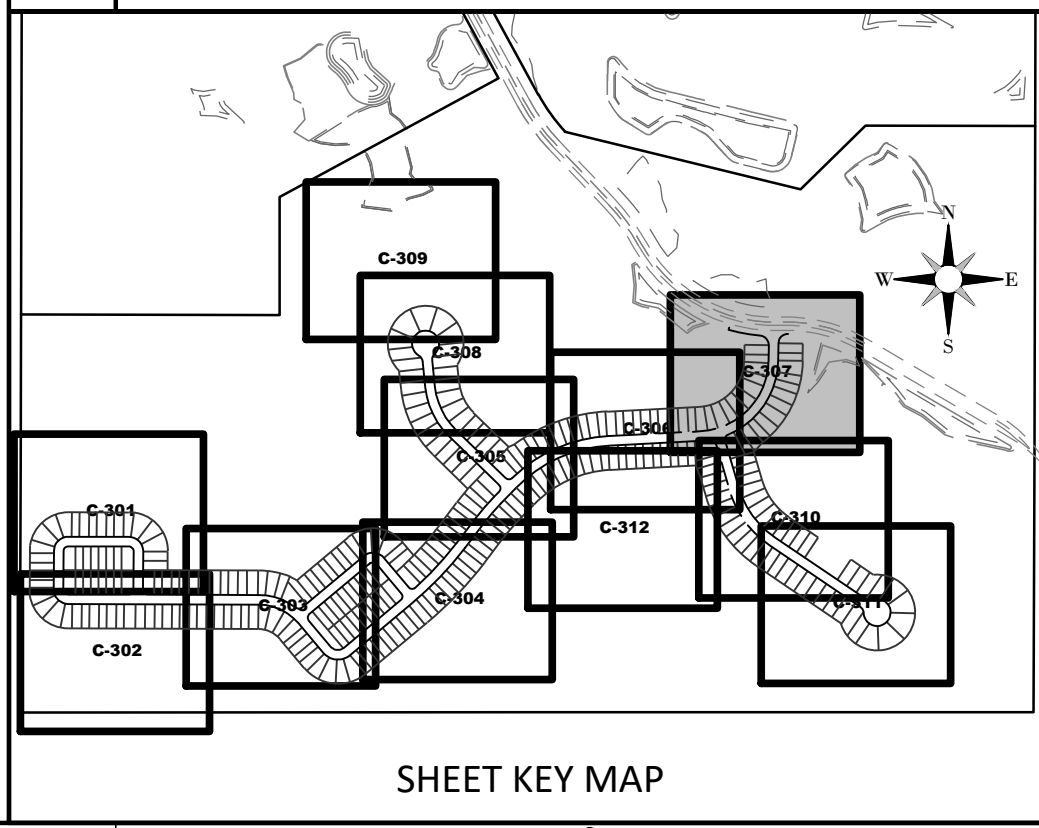
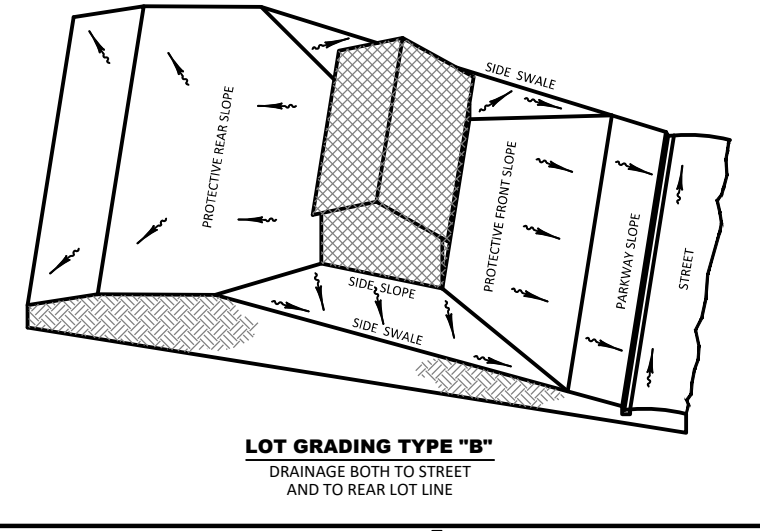
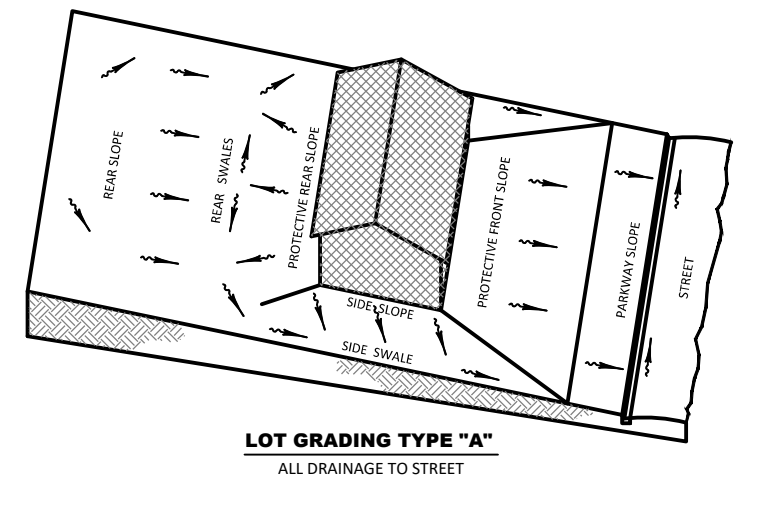
LAST DATE OF FIELD SURVEY: 12/22/2020



- LEGEND**
- SIRWMD WETLAND LINE
 - SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
 - FEMA LINE
 - BOUNDARY LIMITS
 - RIGHT-OF-WAY LINE
 - PHASE LINE
 - WETLAND IMPACT

- DRAINAGE LEGEND**
- EXISTING: 10" - STORM DRAINAGE STRUCTURE & PIPE
 - PROPOSED: 10" - STORM DRAINAGE STRUCTURE & PIPE
 - 10 - STRUCTURE NO.
 - C-S-F - CONTROL STRUCTURE NO.
 - 15.00 - SPOT ELEVATION GROUND
 - 15.00 - SPOT ELEVATION PAVEMENT
 - 60.2 55.9 - TOP OF WALL (EXIST. ELEV)
 - 15.00 - BOTTOM OF WALL (EXIST. ELEV)
 - 15.00 - ROADWAY PROFILE ELEVATION
 - 15.00 - CONTOUR
 - FF=15.00 - FINISH FLOOR ELEVATION
 - UD - DIRECTION OF SURFACE FLOW
 - UD - UNDERDRAIN WITH CLEANOUT
 - STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
 - FLOATING TURBIDITY BARRIER
 - BOTTOM OF POND/TOP OF BANK OF POND
 - 6" WALL/FENCE (BY OTHERS)
 - C-505 - PLAN & PROFILE SHEET NUMBER
 - A-A - SECTION ID LABEL
 - C-317 - SECTION SHEET NUMBER
 - P03 - SOIL BORING
 - WETLAND SETBACK ENCROACHMENT
 - WETLAND SETBACK COMPENSATION

- NEIGHBORHOOD GRADING PLAN NOTES:**
- PAD AND FINISHED FLOOR ELEVATIONS SHOWN ARE MINIMUM GRADES. ELEVATIONS OF ADJOINING LOTS, EXISTING TREES, AND OTHER FIELD CONDITIONS MAY WARRANT LEAVING LOTS WHICH ARE HIGHER IN THEIR NATURAL STATE. THE CONTRACTOR SHOULD CONSULT WITH THE DEVELOPER/BUILDER AND THE ENGINEER PRIOR TO GRADING ACTIVITIES WHEN THESE CONDITIONS EXIST. NOTE DEVIATIONS IN EXCESS OF TWELVE INCHES (12") HIGHER MAY REQUIRE REVIEW AND APPROVAL THROUGH THE APPLICABLE REVIEWING AGENCY.
 - PAD ELEVATIONS DENOTE FINISH GROUND ELEVATION AT PERIMETER OF BUILDING ENVELOPE.
 - LOTS WITH TWO (2') FEET OR MORE OF FILL PLACEMENT ABOVE EXISTING (NATURAL) GRADE REQUIRE PROCESSING PER FHA DATA SHEET NO. 79-G IF FHA FINANCING IS TO BE PROVIDED. SIMILAR TESTING IS RECOMMENDED AS A QUALITY CONTROL PROGRAM IN THE ABSENCE OF FHA REQUIRED TESTING.
 - FOR ALL LOTS ABUTTING WETLANDS NO GRADING SHALL TAKE PLACE BEYOND THE EROSION CONTROL LINE UNLESS SPECIFICALLY SHOWN ON THE APPROVED CONSTRUCTION PLANS.
 - SIDE SWALES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH HOUSE CONSTRUCTION. DURING THE SITE GRADING ACTIVITIES, THE CONTRACTOR SHALL GRADE THE SIDE YARDS TO AN ELEVATION NO LOWER THAN 0.2 FT. BELOW THE ADJOINING HOUSE PAD GRADES.
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 - FOR TYPE "B" LOT GRADING ABUTTING TYPE "A" LOT GRADING, ALL REAR LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
 - FOR TYPE "B" LOT GRADING NOT ABUTTING STORMWATER FACILITIES, THE BUILDER SHALL MAKE EVERY PRACTICAL EFFORT TO DIRECT ROOF RUNOFF TO THE FRONTING RIGHT-OF-WAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
 - MINIMUM SIDE YARD SWALE SLOPES SHALL BE 1.0%.
 - DRIVEWAY LOCATIONS SHOULD BE DESIGNED TO AVOID CONFLICTS WITH FIRE HYDRANTS, CURB INLETS, AND OTHER CONFLICTS.



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www.HeidtDesign.com

SERENOA VILLAGE 3 - PHASE 1, 2 & 3
GRADING & DRAINAGE PLAN

PREPARED FOR: VK AVALON GROVES, LLC

DATE	DESCRIPTION
03/10/2021 <td>ADDED PH 1 & 3 RECORD INFO. </td>	ADDED PH 1 & 3 RECORD INFO.
05/27/2020	GATED ENTRY LABELS
03/20/2020	REV. WETLANDS MAP, LOTS & GRADES
11/08/2019	REVISED SUBMITTAL

PROJECT NO: KLP-AG-1089
FILE: GD-REC
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

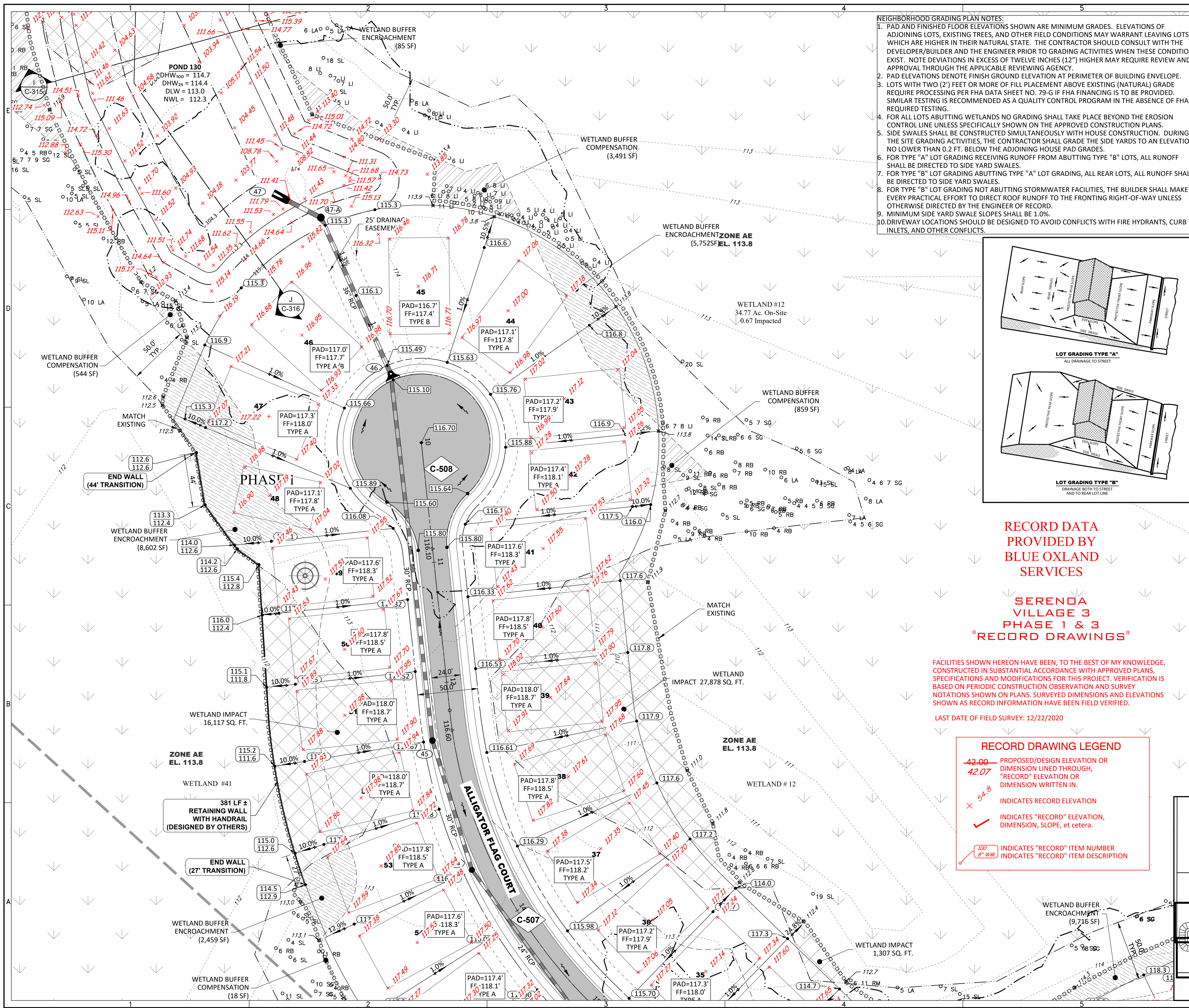
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Timothy M. Plate, State of Florida, Professional Engineer, License No. 41153
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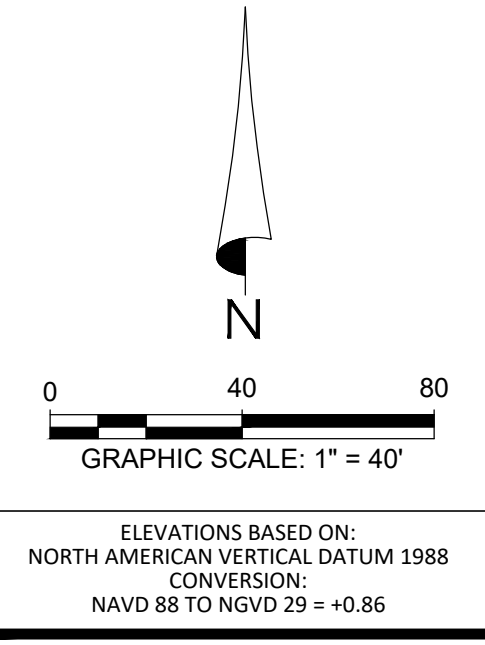
C-307

R:\AVALON GROVES\SERENOA\RECORD\PHASES 1&2&3\DWG-C-307-20210314 10:21 PM ALCIA SIKES



NEIGHBORHOOD GRADING PLAN NOTES:

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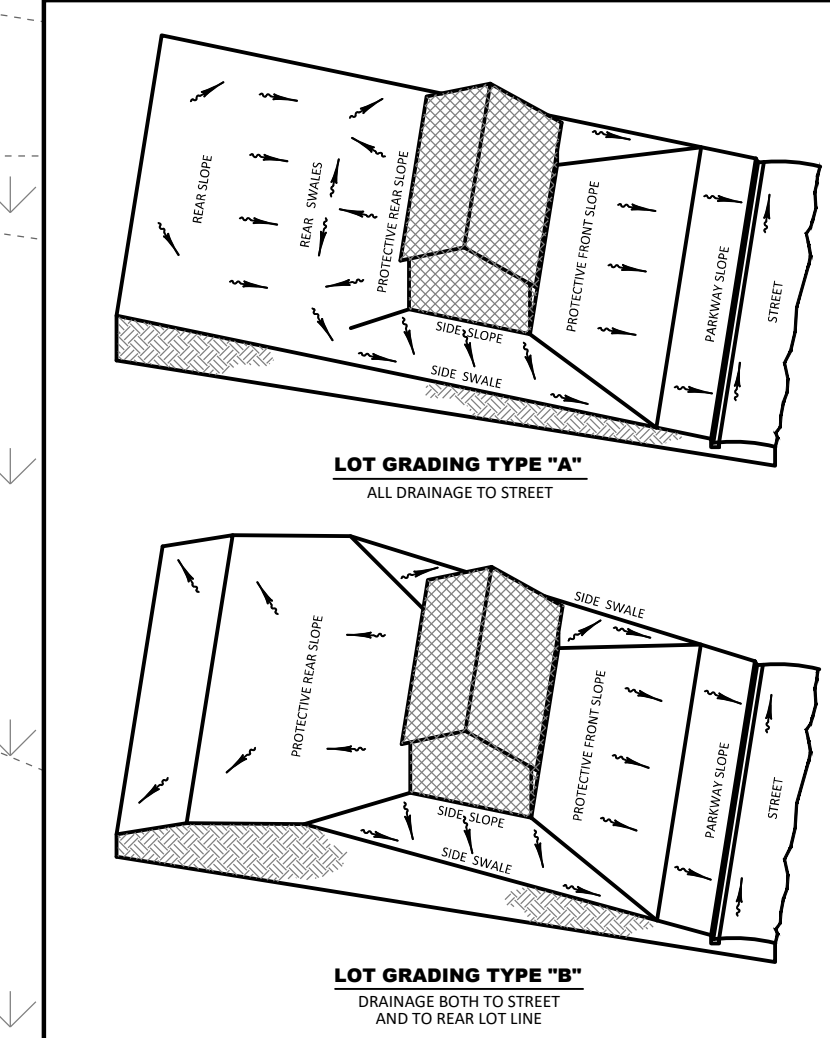


LEGEND

- SIRWMD WETLAND LINE
- SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
- FEMA LINE
- BOUNDARY LIMITS
- RIGHT-OF-WAY LINE
- PHASE LINE
- WETLAND IMPACT

DRAINAGE LEGEND

EXISTING	PROPOSED	DESCRIPTION
(Symbol)	(Symbol)	STORM DRAINAGE STRUCTURE & PIPE
(Symbol)	(Symbol)	STRUCTURE NO.
(Symbol)	(Symbol)	CONTROL STRUCTURE NO.
(Symbol)	(Symbol)	SPOT ELEVATION GROUND
(Symbol)	(Symbol)	SPOT ELEVATION PAVEMENT
(Symbol)	(Symbol)	TOP OF WALL
(Symbol)	(Symbol)	BOTTOM OF WALL (EXIST. ELEV)
(Symbol)	(Symbol)	ROADWAY PROFILE ELEVATION
(Symbol)	(Symbol)	CONTOUR
(Symbol)	(Symbol)	FINISH FLOOR ELEVATION
(Symbol)	(Symbol)	DIRECTION OF SURFACE FLOW
(Symbol)	(Symbol)	UNDERDRAIN WITH CLEANOUT
(Symbol)	(Symbol)	STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
(Symbol)	(Symbol)	FLOATING TURBIDITY BARRIER
(Symbol)	(Symbol)	BOTTOM OF POND/TOP OF BANK OF POND
(Symbol)	(Symbol)	6' WALL/FENCE (BY OTHERS)
(Symbol)	(Symbol)	PLAN & PROFILE SHEET NUMBER
(Symbol)	(Symbol)	SECTION ID LABEL
(Symbol)	(Symbol)	SECTION SHEET NUMBER
(Symbol)	(Symbol)	SOIL BORING
(Symbol)	(Symbol)	WETLAND SETBACK ENCROACHMENT
(Symbol)	(Symbol)	WETLAND SETBACK COMPENSATION



RECORD DATA PROVIDED BY BLUE OXLAND SERVICES

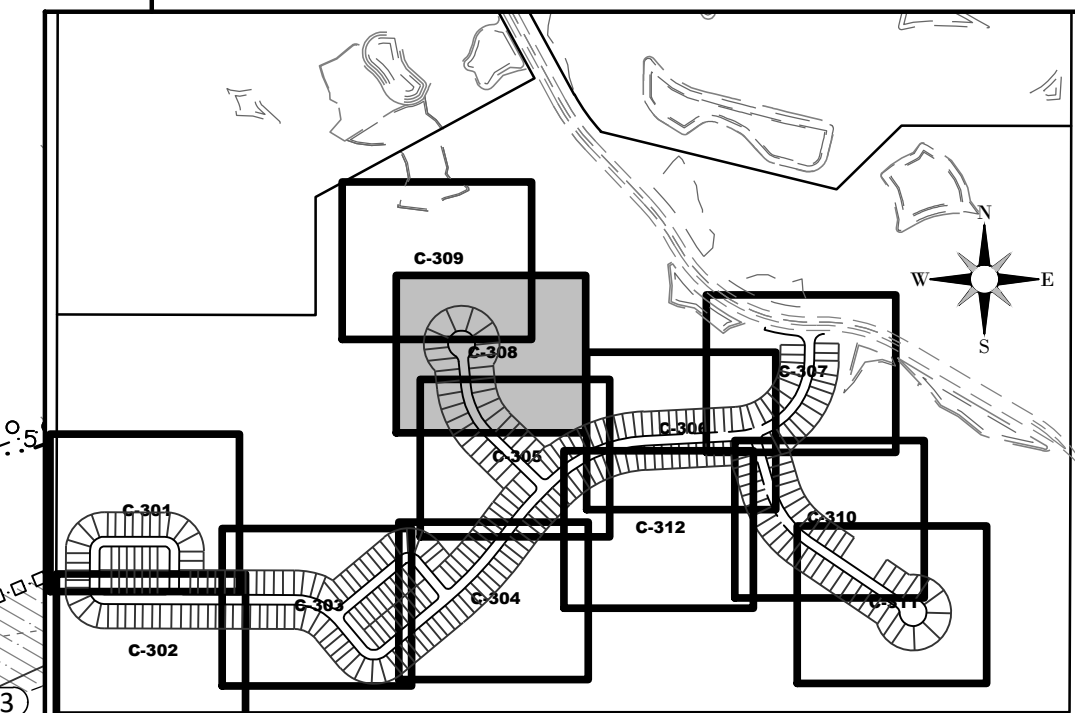
SERENOA VILLAGE 3 PHASE 1 & 3 "RECORD DRAWINGS"

FACILITIES SHOWN HEREON HAVE BEEN, TO THE BEST OF MY KNOWLEDGE, CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH APPROVED PLANS, SPECIFICATIONS AND MODIFICATIONS FOR THIS PROJECT. VERIFICATION IS BASED ON PERIODIC CONSTRUCTION OBSERVATION AND SURVEY NOTATIONS SHOWN ON PLANS. SURVEYED DIMENSIONS AND ELEVATIONS SHOWN AS RECORD INFORMATION HAVE BEEN FIELD VERIFIED.

LAST DATE OF FIELD SURVEY: 12/22/2020

RECORD DRAWING LEGEND

- 42.00 PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH, "RECORD" ELEVATION OR DIMENSION WRITTEN IN.
- 54.8 INDICATES RECORD ELEVATION
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- 100 8' W/1 INDICATES "RECORD" ITEM NUMBER
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SERENOA VILLAGE 3 - PHASE 1, 2 & 3 GRADING & DRAINAGE PLAN

PREPARED FOR: **VK AVALON GROVES, LLC**

DATE	DESCRIPTION
03/10/2021	ADDED PH 1 & 3 RECORD INFO.

DATE	DESCRIPTION
05/27/2020	ADDED LOT 48 & REV. GRADES.
03/20/2020	REV. WALL & WET. ENCR. AREA.
11/13/2019	REV. WETLANDS MAP, LOTS & GRADES.
11/08/2019	REVISED SUBMITTAL.

PROJECT NO: KLP-AG-1089
FILE: GD-REF
DESIGN BY: FRANCIS
DRAWN BY: JLOAZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Timothy M. Plate, State of Florida, Professional Engineer, License No. 41153
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C-308

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RECORD DATA
PROVIDED BY
BLUE OXLAND
SERVICES

SERENOA
VILLAGE 3
PHASE 1 & 3
"RECORD DRAWINGS"

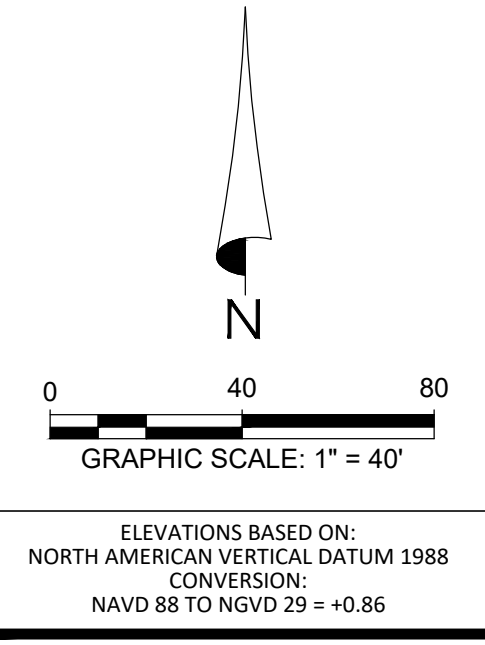
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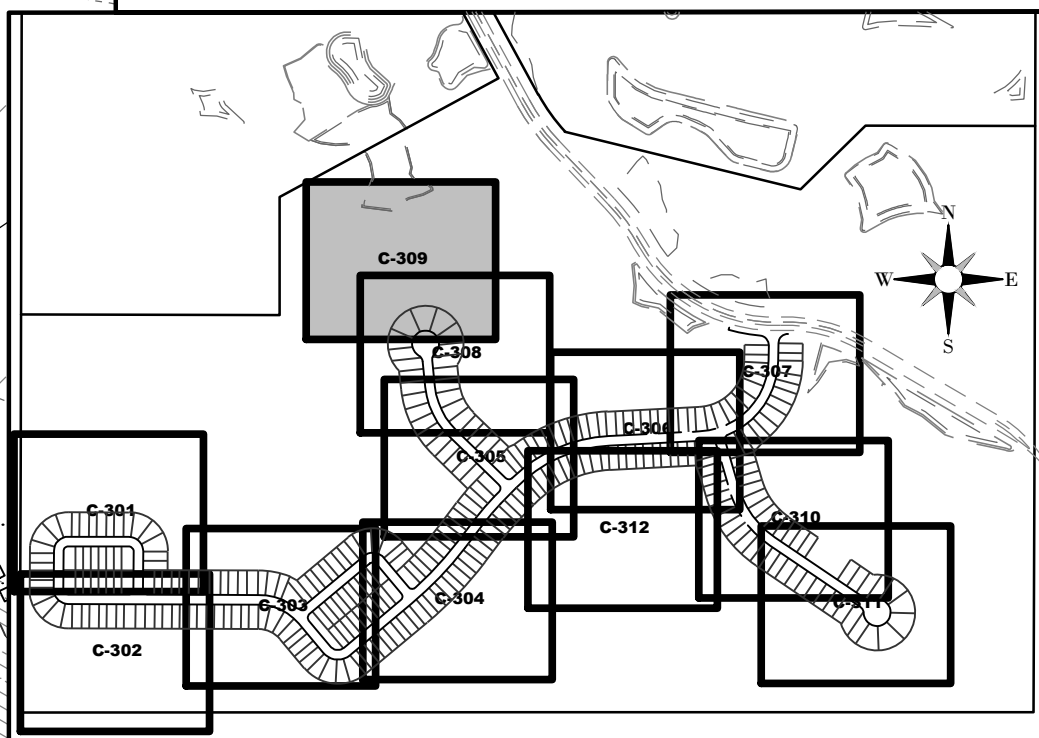
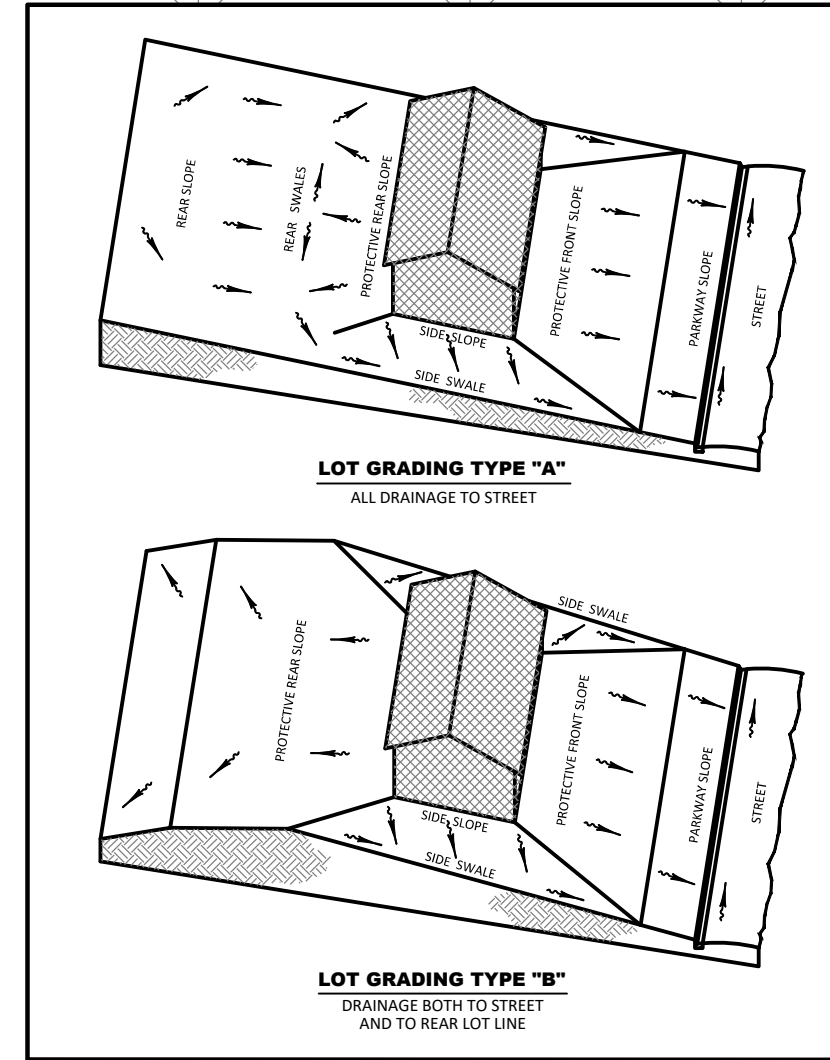
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- LEGEND**
- SIRWMD WETLAND LINE
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 - FEMA LINE
 - BOUNDARY LIMITS
 - RIGHT-OF-WAY LINE
 - PHASE LINE
 - WETLAND IMPACT

- DRAINAGE LEGEND**
- EXISTING: 10 (Structure No.), 15.00 (Spot Elevation Ground), 15.00 (Spot Elevation Pavement), 60.2 (Top of Wall), 55.9 (Bottom of Wall), 15.00 (Roadway Profile Elevation), 15.00 (Contour), FF=15.00 (Finish Floor Elevation), Direction of Surface Flow, Underdrain with Cleanout, Staked Erosion Control, Floating Turbidity Barrier, Bottom of Pond/Top of Bank of Pond, 6' Wall/Fence (by Others), Plan & Profile Sheet Number, Section ID Label, Section Sheet Number, P03 (Soil Boring), Wetland Setback Encroachment, Wetland Setback Compensation.



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SERENOA
VILLAGE 3 - PHASE 1, 2 & 3
GRADING & DRAINAGE PLAN

DATE	DESCRIPTION
03/10/2021	ADDED PH 1 & 3 RECORD INFO.
03/20/2020	REV. WETLANDS MAP, LOTS & GRADES
11/08/2019	REVISION SUBMITTAL

PROJECT NO.: KLP-AG-1089
FILE: GD-REC
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

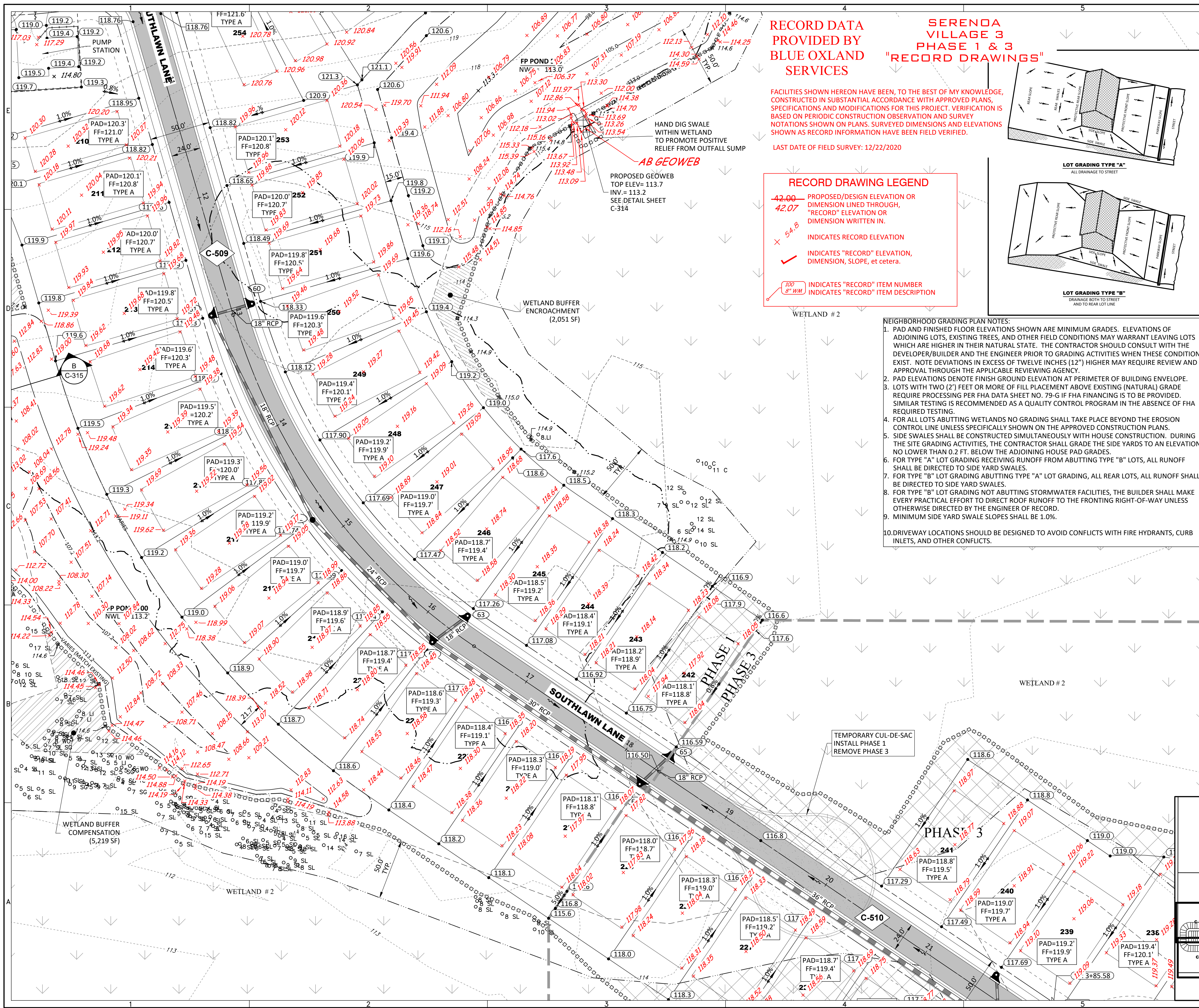
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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RECORD DATA PROVIDED BY BLUE OXLAND SERVICES

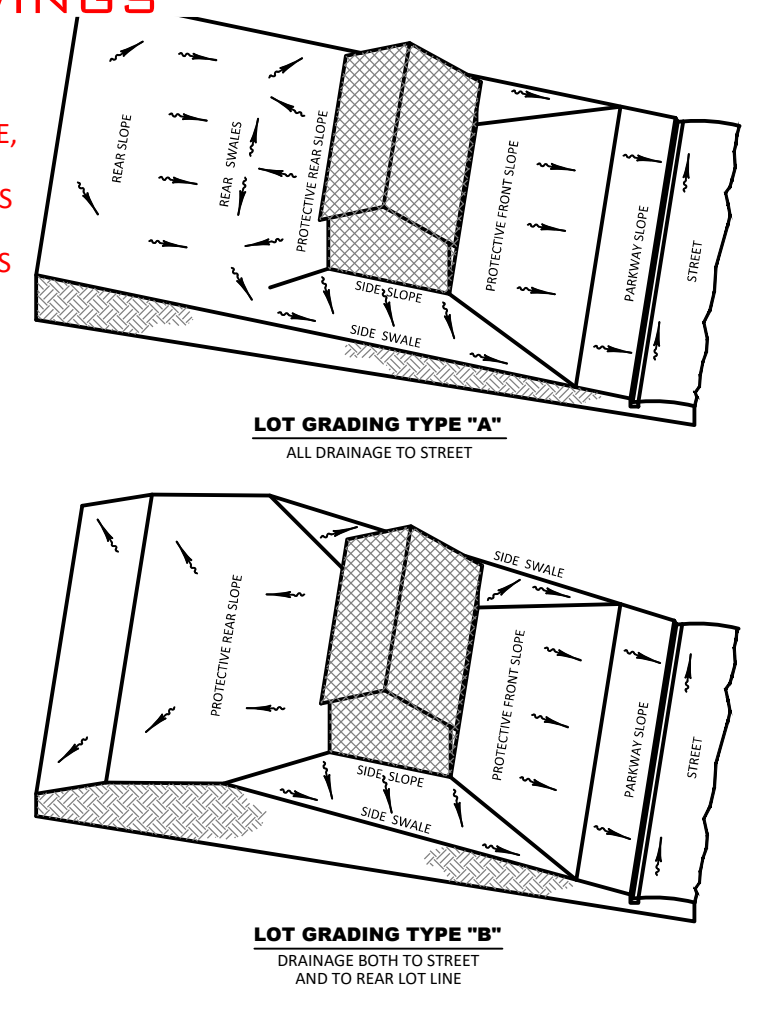
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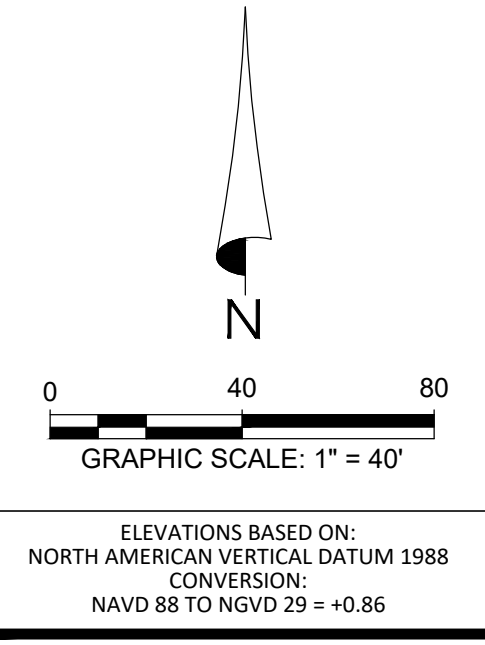
LAST DATE OF FIELD SURVEY: 12/22/2020

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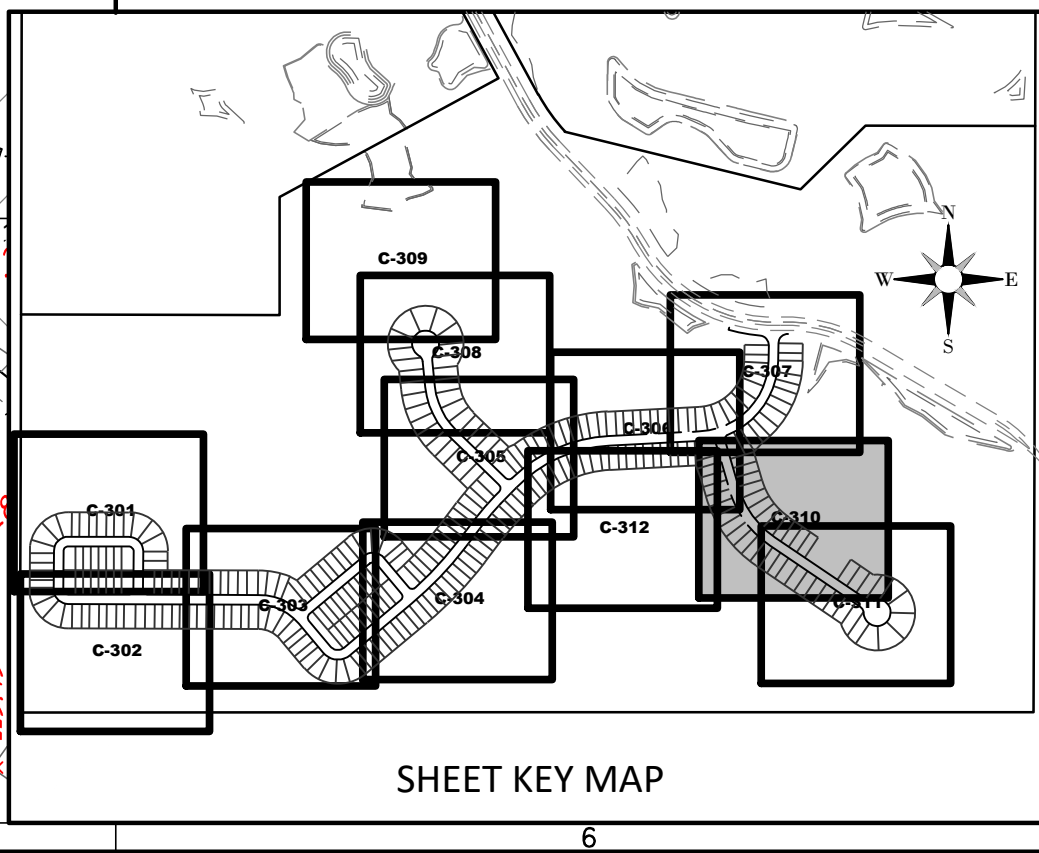


LEGEND

- SIRWMD WETLAND LINE
- SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
- FEMA LINE
- BOUNDARY LIMITS
- RIGHT-OF-WAY LINE
- PHASE LINE
- WETLAND IMPACT

DRAINAGE LEGEND

- EXISTING
- PROPOSED
- STORM DRAINAGE STRUCTURE & PIPE
- STRUCTURE NO.
- CONTROL STRUCTURE NO.
- SPOT ELEVATION GROUND
- SPOT ELEVATION PAVEMENT
- TOP OF WALL
- BOTTOM OF WALL (EXIST. ELEV)
- ROADWAY PROFILE ELEVATION
- CONTOUR
- FINISH FLOOR ELEVATION
- DIRECTION OF SURFACE FLOW
- UNDERDRAIN WITH CLEANOUT
- STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- FLOATING TURBIDITY BARRIER
- BOTTOM OF POND/TOP OF BANK OF POND
- 6' WALL/FENCE (BY OTHERS)
- PLAN & PROFILE SHEET NUMBER
- SECTION ID LABEL
- SECTION SHEET NUMBER
- SOIL BORING
- WETLAND SETBACK ENCROACHMENT
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SERENOA VILLAGE 3 - PHASE 1, 2 & 3 GRADING & DRAINAGE PLAN

PREPARED FOR: **VK AVALON GROVES, LLC**

NO.	DATE	DESCRIPTION
1	03/10/2021	ADDED PH 1 & 3 RECORD INFO.
2	03/20/2020	REV. WETLANDS MAP, LOTS & GRADES
3	11/13/2019	REV. STAKED EROSION CONTROL
4	11/08/2019	REVISED SUBMITTAL

PROJECT NO: KLP-AG-1089
FILE: GD-REF
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

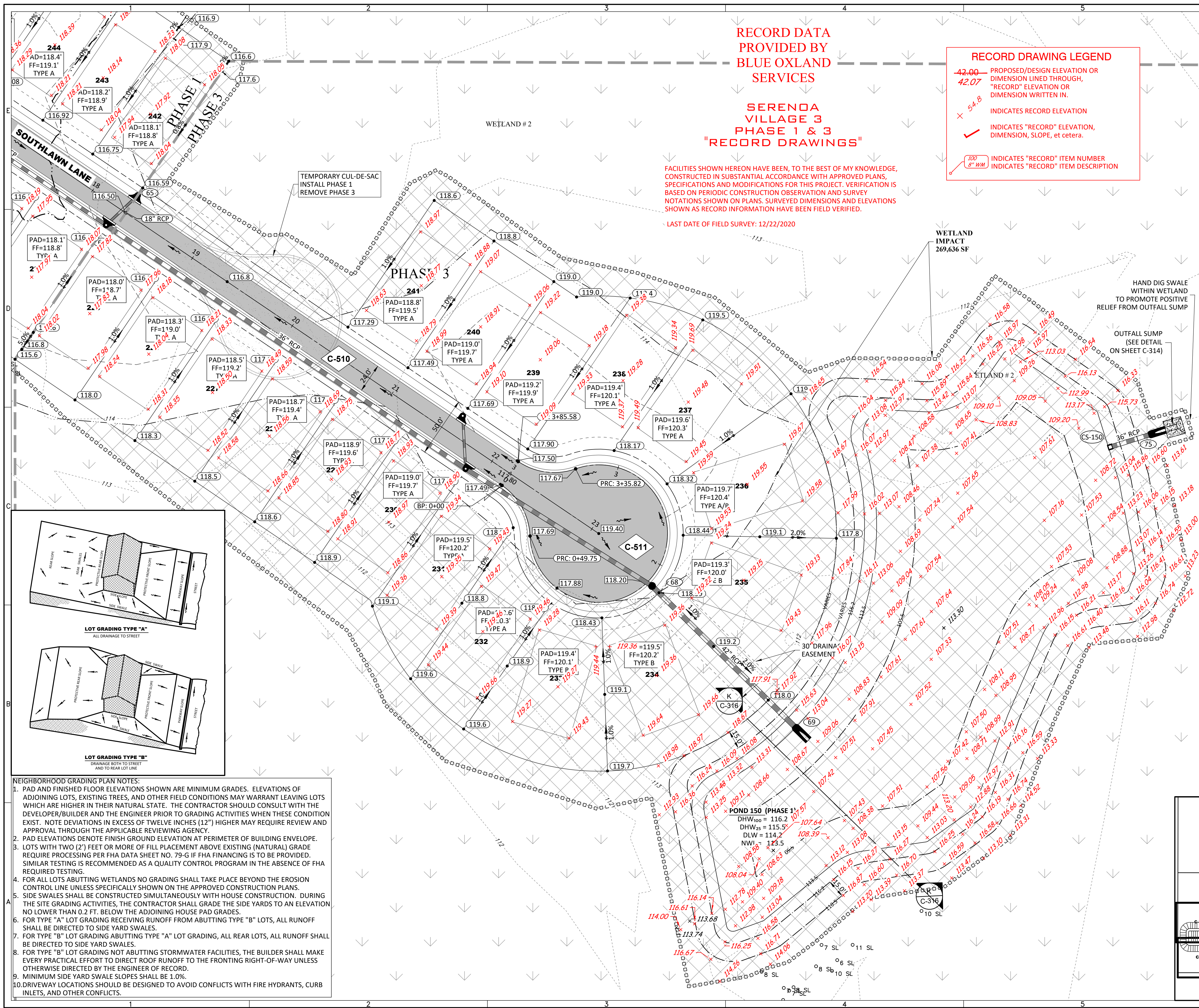
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SERENOA
VILLAGE 3
PHASE 1 & 3
"RECORD DRAWINGS"

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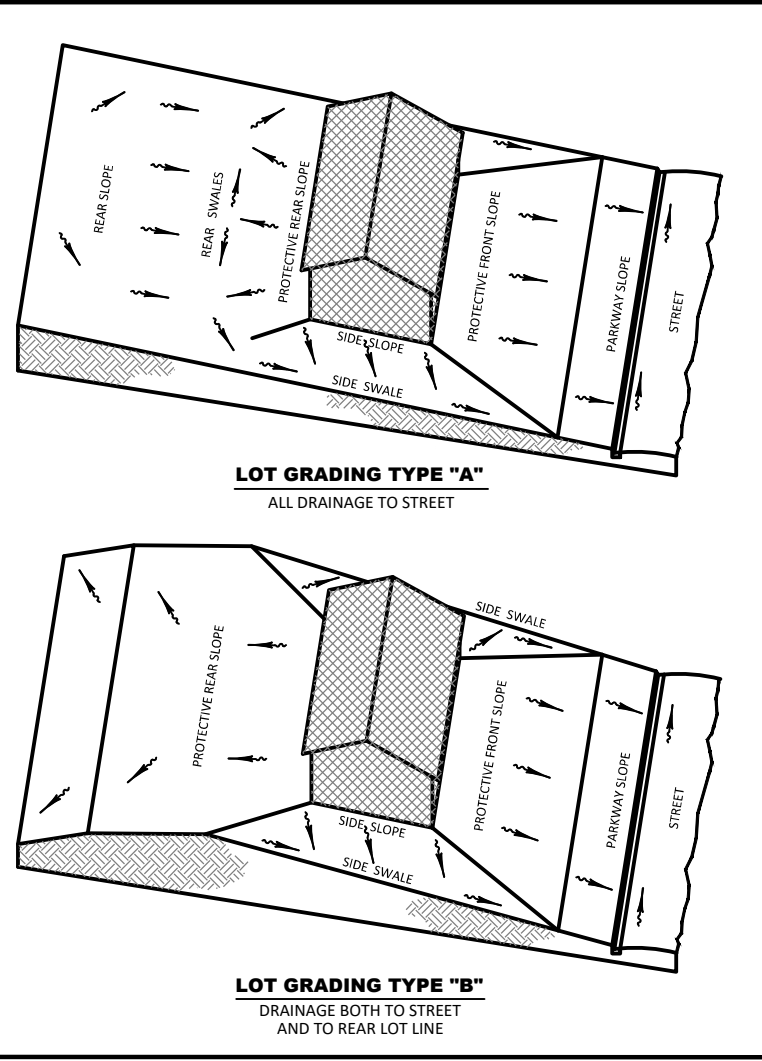
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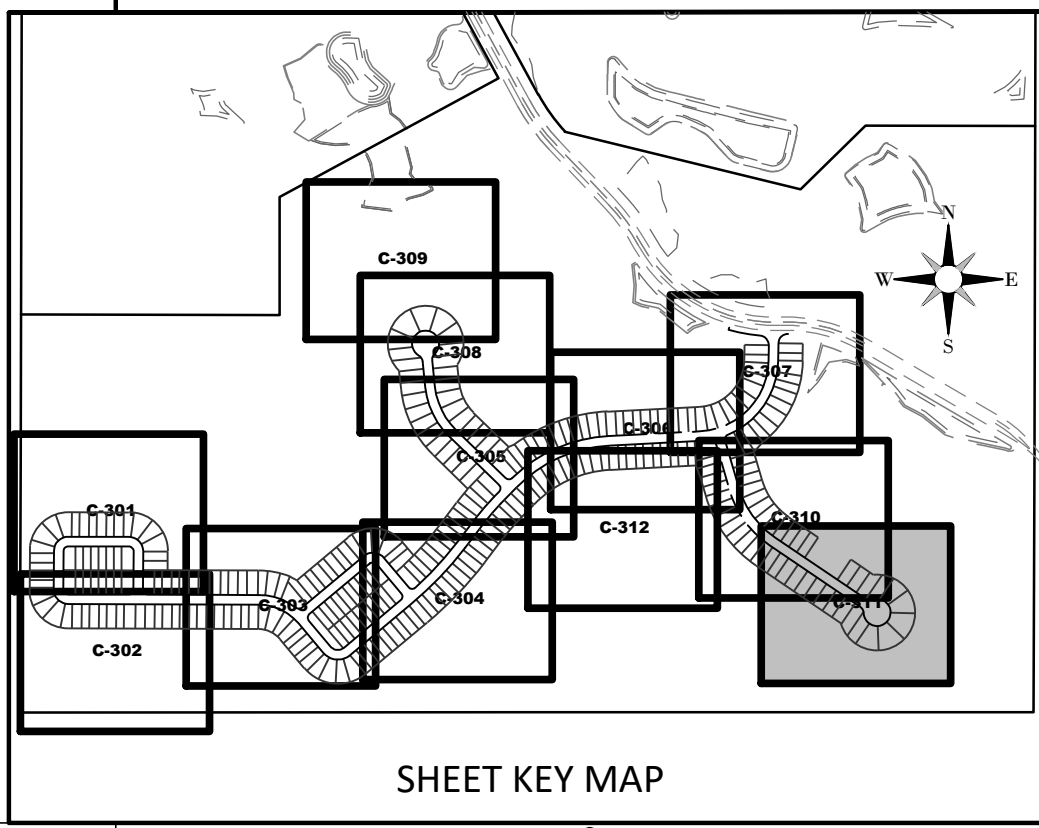
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DRAINAGE LEGEND

- EXISTING PROPOSED
- STORM DRAINAGE STRUCTURE & PIPE
- STRUCTURE NO.
- CONTROL STRUCTURE NO.
- SPOT ELEVATION GROUND
- SPOT ELEVATION PAVEMENT
- TOP OF WALL (EXIST. ELEV)
- BOTTOM OF WALL (EXIST. ELEV)
- ROADWAY PROFILE ELEVATION
- CONTOUR
- FINISH FLOOR ELEVATION
- DIRECTION OF SURFACE FLOW
- UNDERDRAIN WITH CLEANOUT
- STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- FLOATING TURBIDITY BARRIER
- BOTTOM OF POND/TOP OF BANK OF POND
- 6" WALL/FENCE (BY OTHERS)
- PLAN & PROFILE SHEET NUMBER
- SECTION ID LABEL
- SECTION SHEET NUMBER
- SOIL BORING
- WETLAND SETBACK ENCROACHMENT
- WETLAND SETBACK COMPENSATION



- NEIGHBORHOOD GRADING PLAN NOTES:**
- PAD AND FINISHED FLOOR ELEVATIONS SHOWN ARE MINIMUM GRADES. ELEVATIONS OF ADJOINING LOTS, EXISTING TREES, AND OTHER FIELD CONDITIONS MAY WARRANT LEAVING LOTS WHICH ARE HIGHER IN THEIR NATURAL STATE. THE CONTRACTOR SHOULD CONSULT WITH THE DEVELOPER/BUILDER AND THE ENGINEER PRIOR TO GRADING ACTIVITIES WHEN THESE CONDITIONS EXIST. NOTE DEVIATIONS IN EXCESS OF TWELVE INCHES (12") HIGHER MAY REQUIRE REVIEW AND APPROVAL THROUGH THE APPLICABLE REVIEWING AGENCY.
 - PAD ELEVATIONS DENOTE FINISH GROUND ELEVATION AT PERIMETER OF BUILDING ENVELOPE.
 - LOTS WITH TWO (2) FEET OR MORE OF FILL PLACEMENT ABOVE EXISTING (NATURAL) GRADE REQUIRE PROCESSING PER FHA DATA SHEET NO. 79-G IF FHA FINANCING IS TO BE PROVIDED. SIMILAR TESTING IS RECOMMENDED AS A QUALITY CONTROL PROGRAM IN THE ABSENCE OF FHA REQUIRED TESTING.
 - FOR ALL LOTS ABUTTING WETLANDS NO GRADING SHALL TAKE PLACE BEYOND THE EROSION CONTROL LINE UNLESS SPECIFICALLY SHOWN ON THE APPROVED CONSTRUCTION PLANS.
 - SIDE SWALES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH HOUSE CONSTRUCTION. DURING THE SITE GRADING ACTIVITIES, THE CONTRACTOR SHALL GRADE THE SIDE YARDS TO AN ELEVATION NO LOWER THAN 0.2 FT. BELOW THE ADJOINING HOUSE PAD GRADES.
 - FOR TYPE "A" LOT GRADING RECEIVING RUNOFF FROM ADJUTING TYPE "B" LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
 - FOR TYPE "B" LOT GRADING ABUTTING TYPE "A" LOT GRADING, ALL REAR LOTS, ALL RUNOFF SHALL BE DIRECTED TO SIDE YARD SWALES.
 - FOR TYPE "B" LOT GRADING NOT ABUTTING STORMWATER FACILITIES, THE BUILDER SHALL MAKE EVERY PRACTICAL EFFORT TO DIRECT ROOF RUNOFF TO THE FRONTING RIGHT-OF-WAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD.
 - MINIMUM SIDE YARD SWALE SLOPES SHALL BE 1.0%.
 - DRIVEWAY LOCATIONS SHOULD BE DESIGNED TO AVOID CONFLICTS WITH FIRE HYDRANTS, CURB INLETS, AND OTHER CONFLICTS.



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Engineering Business Certificate of Authorization No. 28783
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www.HeidtDesign.com

SERENOA
VILLAGE 3 - PHASE 1, 2 & 3
GRADING & DRAINAGE PLAN

PREPARED FOR: VK AVALON GROVES, LLC

DATE	DESCRIPTION
03/10/2021	ADDED PH 1 & 3 RECORD INFO.
03/20/2020	REV. WETLANDS IMP. LOTS & GRADIES
11/13/2019	REV. PHASE 1 LABEL
11/08/2019	REVISED SUBMITTAL

PROJECT NO: KLP-AG-1089
FILE: GD-REF
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Timothy M. Plate, State of Florida,
Professional Engineer, License No. 41153

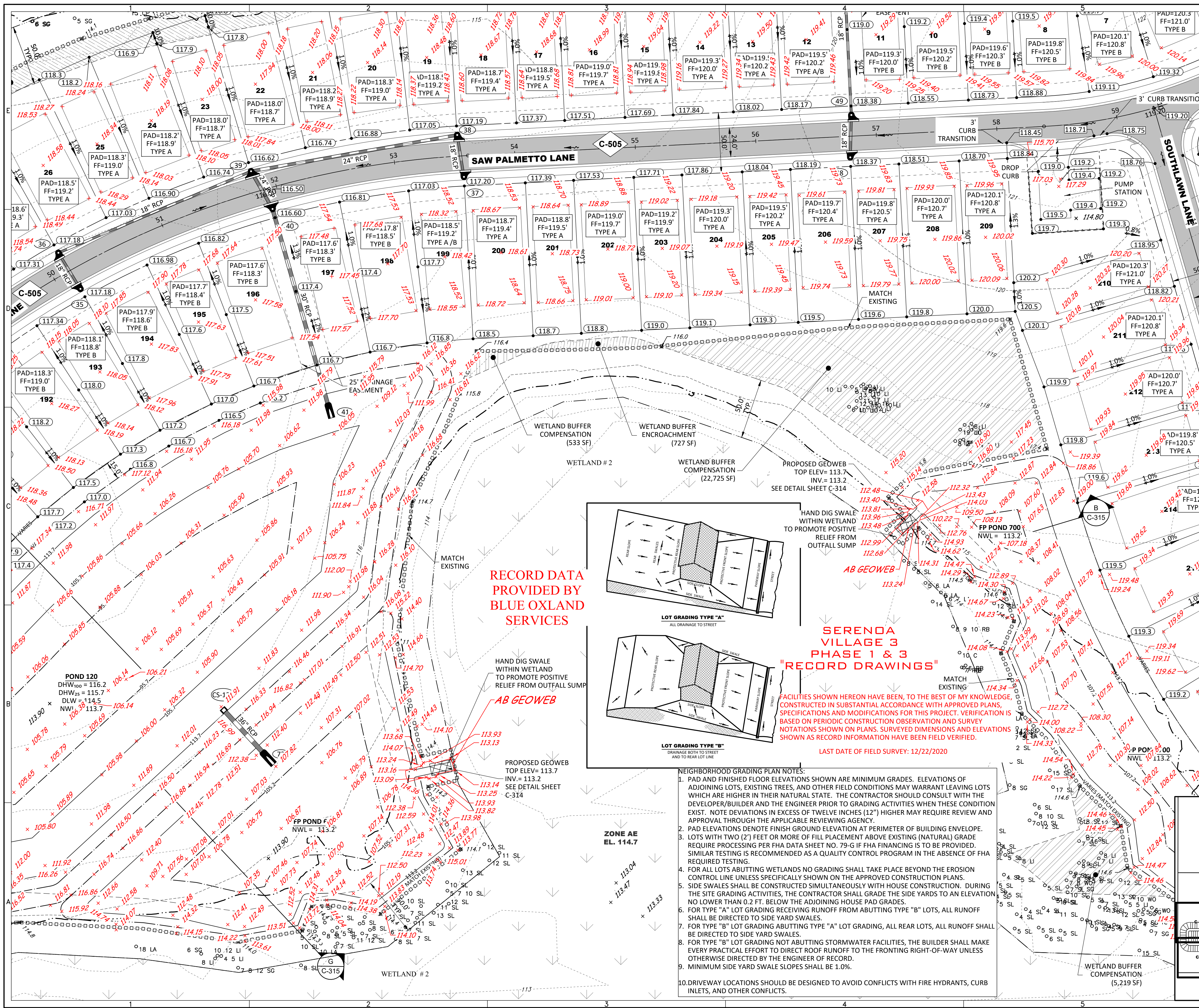
This item has been digitally
signed and sealed by
Timothy M. Plate, P.E. on the date
indicated here:

Printed copies of this document
are not considered signed and
sealed and the signature must be
verified on any electronic copies.

TIMOTHY M. PLATE, P.E.
DATE: _____
LICENSE NO. 41153

C-311

R:\AVALON GROVES\SERENOA\PHASES 1&2&3\REC\C311 20210314 1048 PM ALCIA SIKES



GRAPHIC SCALE: 1" = 40'

ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION:
NAVD 88 TO NGVD 29 = +0.86

LEGEND

- SIRWMD WETLAND LINE
- SIRWMD WETLAND CONS. AREA SETBACK / LANDWARD EXTENT OF UPLAND BUFFER (50')
- FEMA LINE
- BOUNDARY LIMITS
- RIGHT-OF-WAY LINE
- PHASE LINE
- WETLAND IMPACT

DRAINAGE LEGEND

- EXISTING: (10) STORM DRAINAGE STRUCTURE & PIPE
- PROPOSED: (10) STORM DRAINAGE STRUCTURE & PIPE
- (CS-F) STRUCTURE NO.
- (15.00) CONTROL STRUCTURE NO.
- (15.00) SPOT ELEVATION GROUND
- (15.00) SPOT ELEVATION PAVEMENT
- (60.2) TOP OF WALL
- (53.3) BOTTOM OF WALL (EXIST. ELEV)
- 15.00 ROADWAY PROFILE ELEVATION
- 15.00 CONTOUR
- FF=15.00 FINISH FLOOR ELEVATION
- UD UDCO DIRECTION OF SURFACE FLOW
- UD UDCO UNDERDRAIN WITH CLEANOUT
- STAKED EROSION CONTROL (SIRWMD PROJECT LIMITS AND THE LIMITS OF CLEARING AND FILLING)
- FLOATING TURBIDITY BARRIER
- BOTTOM OF POND/TOP OF BANK OF POND
- 6' WALL/FENCE (BY OTHERS)
- (C-505) PLAN & PROFILE SHEET NUMBER
- (A-A) SECTION ID LABEL
- (C-317) SECTION SHEET NUMBER
- (P03) SOIL BORING
- WETLAND SETBACK ENCROACHMENT
- WETLAND SETBACK COMPENSATION

RECORD DRAWING LEGEND

- 42.00 PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH.
- 42.07 "RECORD" ELEVATION OR DIMENSION WRITTEN IN.
- 54.8 INDICATES RECORD ELEVATION
- INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.
- INDICATES "RECORD" ITEM NUMBER
- INDICATES "RECORD" ITEM DESCRIPTION

NEIGHBORHOOD GRADING PLAN NOTES:

- PAD AND FINISHED FLOOR ELEVATIONS SHOWN ARE MINIMUM GRADES. ELEVATIONS OF ADJOINING LOTS, EXISTING TREES, AND OTHER FIELD CONDITIONS MAY WARRANT LEAVING LOTS WHICH ARE HIGHER IN THEIR NATURAL STATE. THE CONTRACTOR SHOULD CONSULT WITH THE DEVELOPER/BUILDER AND THE ENGINEER PRIOR TO GRADING ACTIVITIES WHEN THESE CONDITIONS EXIST. NOTE DEVIATIONS IN EXCESS OF TWELVE INCHES (12") HIGHER MAY REQUIRE REVIEW AND APPROVAL THROUGH THE APPLICABLE REVIEWING AGENCY.
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SERENOA VILLAGE 3 - PHASE 1, 2 & 3

GRADING & DRAINAGE PLAN

PREPARED FOR: **VK AVALON GROVES, LLC**

DATE	DESCRIPTION
03/10/2021	ADDED PH 1 & 3 RECORD INFO.
03/20/2020	REV. STRUCTURE NUMBERS
11/13/2019	REV. STRUCTURE NUMBER
11/08/2019	REVISED SUBMITTAL

PROJECT NO: KLP-AG-1089
FILE: GD-REF
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER

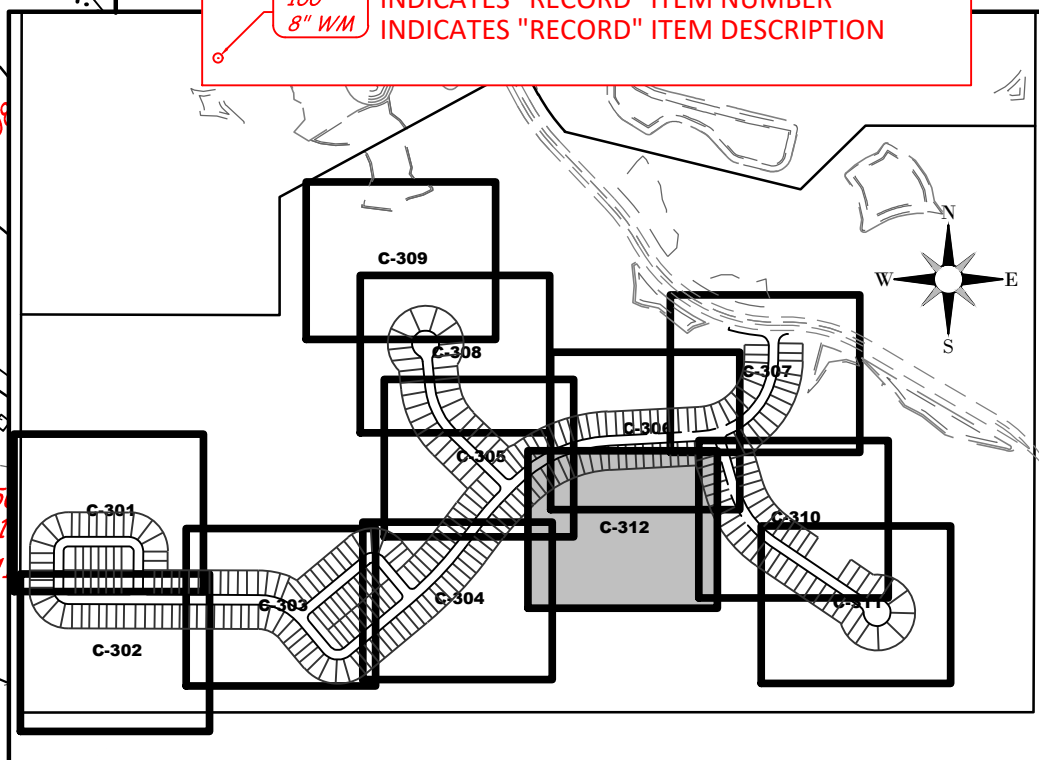
Timothy M. Plate, State of Florida,
Professional Engineer, License No. 41153

This item has been digitally
signed and sealed by:
Timothy M. Plate, P.E. on the date
indicated here.

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sealed and the signature must be
verified on any electronic copies.

TIMOTHY M. PLATE, P.E.
DATE: _____
LICENSE NO. 41153

C-312



R:\AVALON GROVES\ILLAGE ENGINEERING\RECORD\PHASES 1&2&3\DWG\C-312 2021.03.14 11:02 PM ALCIA SIKES

STRUCTURE TABLE			
STR. NO.	STR. TYPE	TOP ELEV.	COMMENTS
1	FDOT TYPE 3 CURB INLET	117.78	PHASE 2
2	FDOT TYPE 3 CURB INLET	117.75	PHASE 2
3	TYPE P MANHOLE 4'-0" DIA.	117.08	PHASE 2
4	TYPE P MANHOLE 4'-0" DIA.	116.91	PHASE 2
5	FDOT TYPE 4 CURB INLET	116.85	PHASE 2
6	FDOT TYPE 3 CURB INLET	116.85	PHASE 2
7	TYPE P MANHOLE 4'-0" DIA.	117.24	PHASE 2
8	FDOT TYPE 4 CURB INLET	116.85	PHASE 2
9	FDOT TYPE 3 CURB INLET	116.85	PHASE 2
10	TYPE J MANHOLE 6'-0" DIA.	117.52	PHASE 2
11	FDOT TYPE 4 CURB INLET	117.55	PHASE 2
12	TYPE J MANHOLE 6'-0" DIA.	118.05	PHASE 2
13	TYPE J MANHOLE 6'-0" DIA.	116.75	PHASE 2
14	MES 42" RCP		PHASE 2
15	FDOT TYPE 4 CURB INLET	116.55	PHASE 2
16	FDOT TYPE 4 CURB INLET	116.55	PHASE 2
17	FDOT TYPE 4 CURB INLET	117.83	PHASE 2
18	FDOT TYPE 3 CURB INLET	117.81	PHASE 2
19	TYPE J MANHOLE 5'-0" DIA.	117.50	PHASE 2
20	FDOT TYPE 3 CURB INLET	117.06	PHASE 2

PIPE TABLE							
START STR.	END STR.	PIPE DIMENSION & MATERIAL	LENGTH	SLOPE	START INV.	END INV.	FALL IN FEET
1	2	18" RCP	36	0.27%	113.30	113.20	0.10
2	3	18" RCP	166	0.36%	113.20	112.60	0.60
3	4	18" RCP	33	0.30%	112.60	112.50	0.10
4	6	18" RCP	49	0.41%	112.50	112.30	0.20
5	6	24" RCP	35	0.29%	112.20	112.10	0.10
6	7	30" RCP	171	0.18%	111.60	111.30	0.30
7	10	30" RCP	32	0.31%	109.70	109.60	0.10
8	9	24" RCP	35	0.29%	111.90	111.80	0.10
9	10	30" RCP	329	0.15%	111.30	110.80	0.50
10	11	36" RCP	45	0.22%	109.60	109.50	0.10
11	12	42" RCP	142	0.07%	107.30	107.20	0.10
12	13	42" RCP	117	0.09%	107.20	107.10	0.10
13	14	42" RCP	29	0.34%	107.10	107.00	0.10
15	16	18" RCP	37	0.27%	112.00	111.90	0.10
16	19	36" RCP	198	0.05%	109.50	109.40	0.10
17	18	18" RCP	36	0.28%	113.30	113.20	0.10
18	19	18" RCP	55	0.18%	111.00	110.90	0.10
19	20	36" RCP	157	0.13%	109.40	109.20	0.20
20	22	36" RCP	132	0.15%	109.20	109.00	0.20
21	22	18" RCP	35	0.28%	112.00	111.90	0.10

STRUCTURE TABLE			
STR. NO.	STR. TYPE	TOP ELEV.	COMMENTS
21	FDOT TYPE 4 CURB INLET	116.55	PHASE 2
22	FDOT TYPE 3 CURB INLET	116.55	PHASE 2
23	FDOT TYPE 3 CURB INLET	117.45	PHASE 2
24	FDOT TYPE 3 CURB INLET	117.39	PHASE 2
25	MES 42" RCP	113.78	PHASE 2
26	FDOT TYPE 3 CURB INLET	117.15	PHASE 2
27	FDOT TYPE 4 CURB INLET	117.15	PHASE 2
29	FDOT TYPE 4 CURB INLET	117.17	PHASE 2
30	FDOT TYPE 4 CURB INLET	116.55	PHASE 2
31	FDOT TYPE 3 CURB INLET	116.55	FINAL TOP WILL BE SET IN PHASE 2
32	FDOT TYPE 4 CURB INLET	116.55 116.65	PHASE 1
33	FDOT TYPE 4 CURB INLET	116.55 116.66	PHASE 1
34	MES 36" RCP		PHASE 1
35	FDOT TYPE 3 CURB INLET	117.19 117.26	PHASE 1
36	FDOT TYPE 3 CURB INLET	117.19 117.26	PHASE 1
37	FDOT TYPE 3 CURB INLET	117.16 117.28	PHASE 1
38	FDOT TYPE 3 CURB INLET	117.14 117.25	PHASE 1
39	FDOT TYPE 4 CURB INLET	116.55 116.85	PHASE 1
40	FDOT TYPE 4 CURB INLET	116.55 116.59	PHASE 1
41	MES 30" RCP		PHASE 1

PIPE TABLE							
START STR.	END STR.	PIPE DIMENSION & MATERIAL	LENGTH	SLOPE	START INV.	END INV.	FALL IN FEET
22	24	36" RCP	200	0.10%	109.00	108.80	0.20
23	24	18" RCP	39	0.25%	112.90	112.80	0.10
24	25	42" RCP	170	0.18%	109.70	109.40	0.30
26	27	18" RCP	35	0.28%	112.60	112.50	0.10
27	29	24" RCP	207	0.29%	110.40	109.80	0.60
29	31	30" RCP	138	0.14%	109.80	109.60	0.20
30	31	18" RCP	35	0.29%	112.00	111.90	0.10
31	32	36" RCP	279 279	0.11% 0.09%	109.10 109.10	108.80 108.84	0.30 0.26
32	33	36" RCP	35 35	0.28% 0.43%	108.80 108.83	108.70 108.68	0.10 0.15
33	34	36" RCP	167 171	0.12% 0.12%	108.20 108.20	108.00 108.00	0.20 0.20
35	36	18" RCP	35 35	0.29% 0.31%	113.00 113.01	112.90 112.90	0.10 0.11
36	39	18" RCP	173 173	0.52% 0.51%	112.90 112.90	112.00 112.02	0.90 0.88
37	38	18" RCP	35 35	0.28% 0.34%	113.00 113.03	112.90 112.91	0.10 0.12
38	39	24" RCP	173 174	0.52% 0.51%	112.40 112.41	111.50 111.52	0.90 0.89
39	40	24" RCP	36 36	0.28% 0.22%	111.50 111.48	111.40 111.40	0.10 0.08
40	41	30" RCP	168 180	0.12% 0.12%	108.80 108.80	108.60 108.58	0.20 0.22
42	43	18" RCP	35 35	0.29% 0.29%	111.50 111.40	111.40 111.30	0.10 0.10
43	44	24" RCP	168 168	0.12% 0.23%	110.90 110.90	110.70 110.52	0.20 0.38
44	45	30" RCP	112 113	0.18% 0.23%	110.20 110.19	110.00 109.93	0.20 0.26
45	46	30" RCP	306 306	0.07% 0.07%	109.20 109.13	109.00 108.91	0.20 0.20

STRUCTURE TABLE			
STR. NO.	STR. TYPE	TOP ELEV.	COMMENTS
42	FDOT TYPE 4 CURB INLET	115.65 115.91	PHASE 1
43	FDOT TYPE 4 CURB INLET	115.65 115.88	PHASE 1
44	TYPE P MANHOLE 3'-6" DIA.	116.14 115.94	PHASE 1
45	TYPE P MANHOLE 4'-0" DIA.	116.53 116.38	PHASE 1
46	FDOT TYPE 4 CURB INLET	115.45 115.54	PHASE 1
47	MES 36" RCP		PHASE 1
47-A	TYPE J MANHOLE 5'-0" DIA.	115.04 114.86	PHASE 1
48	FDOT TYPE 3 CURB INLET	118.32 118.52	PHASE 1
49	FDOT TYPE 3 CURB INLET	118.35 118.40	PHASE 1
50	TYPE P MANHOLE 4'-0" DIA.	118.04 117.87	PHASE 1
51	MES 18" RCP		PHASE 1
52	FDOT TYPE 3 CURB INLET	119.17 119.29	PHASE 1
53	FDOT TYPE 3 CURB INLET	119.23 119.32	PHASE 1
54	TYPE P MANHOLE 3'-6" DIA.	118.94 118.77	PHASE 1
55	MES 18" RCP		PHASE 1
56	FDOT TYPE 4 CURB INLET	117.05 117.25	PHASE 1
57	FDOT TYPE 4 CURB INLET	117.05 117.25	PHASE 1
58	TYPE P MANHOLE 4'-0" DIA.	116.23 116.08	PHASE 1
59	MES 18" RCP		PHASE 1
60	FDOT TYPE 3 CURB INLET	118.29 118.46	PHASE 1

PIPE TABLE							
START STR.	END STR.	PIPE DIMENSION & MATERIAL	LENGTH	SLOPE	START INV.	END INV.	FALL IN FEET
46	47-A	36" RCP	142 142	0.14% 0.14%	107.70 107.79	107.50 107.59	0.20 0.20
47-A	47	36" RCP	31 44	0.32% 0.43%	107.50 107.59	107.40 107.40	0.10 0.19
48	49	18" RCP	35 35	0.28% 0.34%	114.20 114.20	114.10 114.08	0.10 0.12
49	50	18" RCP	145 144	0.21% 0.15%	111.30 111.24	111.00 111.03	0.30 0.21
50	51	18" RCP	64 68	0.16% 0.15%	110.00 109.96	109.80 109.86	0.10 0.10
52	53	18" RCP	37 37	0.27% 0.41%	115.00 115.06	114.90 114.91	0.10 0.15
53	54	18" RCP	144 145	0.21% 0.26%	112.00 112.08	111.70 111.70	0.30 0.38
54	55	18" RCP	35 43	0.28% 0.47%	110.00 110.05	109.90 109.85	0.10 0.20
56	57	18" RCP	35 36	0.29% 0.33%	112.70 112.62	112.60 112.50	0.10 0.12
57	58	18" RCP	73 72	0.27% 0.25%	110.00 109.97	109.80 109.79	0.20 0.18
58	59	18" RCP	26 34	0.39% 0.29%	109.80 109.79	109.70 109.69	0.10 0.10
60	61	18" RCP	35 35	0.29% 0.31%	114.10 114.14	114.00 114.03	0.10 0.11
61	62	18" RCP	189 189	0.16% 0.19%	114.00 114.03	113.70 113.67	0.30 0.36
62	64	24" RCP	142 142	0.71% 0.77%	113.20 113.10	112.20 112.00	1.00 1.10
63	64	18" RCP	36 37	0.27% 0.41%	112.80 112.75	112.70 112.60	0.10 0.15
64	66	30" RCP	208 208	0.34% 0.34%	111.70 111.60	111.00 110.90	0.70 0.70
65	66	18" RCP	36 36	0.28% 0.42%	112.10 112.05	112.00 111.90	0.10 0.15
66	67A	36" RCP	360 360	0.31% 0.31%	110.50 110.55	109.40 109.45	1.10 1.10
67	67A	18" RCP	44 45	0.23% 0.78%	112.90 112.95	112.80 112.60	0.10 0.35
67A	68	36" RCP	183 184	0.19% 0.17%	109.28 109.38	109.10 109.06	0.18 0.32

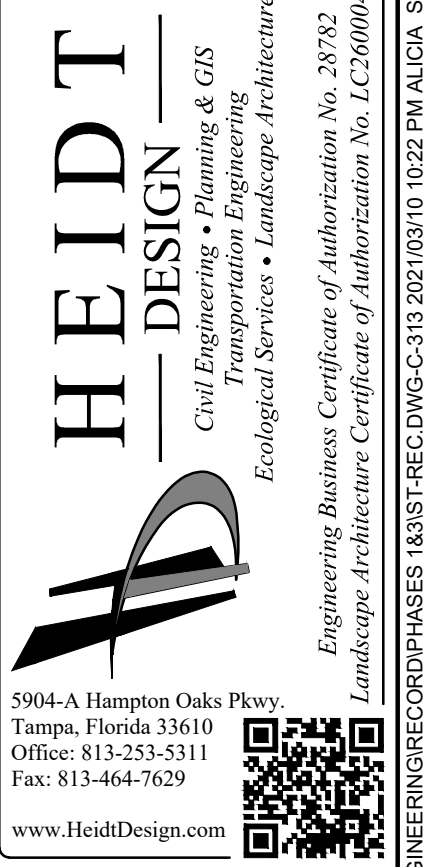
STRUCTURE TABLE			
STR. NO.	STR. TYPE	TOP ELEV.	COMMENTS
61	FDOT TYPE 3 CURB INLET	118.29 118.45	PHASE 1
62	TYPE P MANHOLE 3'-6" DIA.	117.58 117.59	PHASE 1
63	FDOT TYPE 3 CURB INLET	117.21 117.41	PHASE 1
64	FDOT TYPE 3 CURB INLET	117.25 117.45	PHASE 1
65	FDOT TYPE 4 CURB INLET	116.55 116.71	PHASE 1
66	FDOT TYPE 4 CURB INLET	116.55 116.68	PHASE 1
67	FDOT TYPE 3 CURB INLET	117.65 117.80	PHASE 1
67A	FDOT TYPE 3 CURB INLET	117.74 117.88	PHASE 1
68	TYPE J MANHOLE 5'-0" DIA.	118.43 118.37	PHASE 1
69	MES 42" RCP		PHASE 1
70	MES 36" RCP		PHASE 1
71	MES 36" RCP		PHASE 1
72	MES 36" RCP		PHASE 1
73	FES 30" RCP		PHASE 1
74	MES 24" RCP		PHASE 1
75	MES 36" RCP		PHASE 1
CS-100	TYPE E CONTROL STRUCTURE	116.30 116.21	PHASE 2
CS-110	TYPE D CONTROL STRUCTURE	116.50 116.35	PHASE 2
CS-120	TYPE D CONTROL STRUCTURE	116.20 116.18	PHASE 1
CS-130	TYPE D CONTROL STRUCTURE	114.80 114.89	PHASE 1

PIPE TABLE							
START STR.	END STR.	PIPE DIMENSION & MATERIAL	LENGTH	SLOPE	START INV.	END INV.	FALL IN FEET
68	69	42" RCP	167 180	0.06% 0.07%	108.10 108.12	108.00 108.00	0.10 0.12
CS-100	70	36" RCP	37 46	0.27% 0.65%	111.00 110.95	110.90 110.65	0.10 0.30
CS-110	71	36" RCP	35 46	0.28% 0.22%	111.60 111.55	111.50 111.45	0.10 0.10
CS-120	72	36" RCP	48 61	0.21% 0.16%	108.30 108.30	108.20 108.20	0.10 0.10
CS-130	73	30" RCP	50 36	0.20% 0.25%	108.00 108.06	107.90 107.92	0.10 0.14
CS-140	74	24" RCP	46 46	0.22% 0.22%	109.10 109.12	109.00 109.02	0.10 0.10
CS-150	75	36" RCP	35 38	0.29% 0.26%	110.50 110.40	110.40 110.30	0.10 0.10

NOTE:

- ALL INLET AND MANHOLE STRUCTURE BOTTOMS ARE SPECIFIED TYPE 'P' UNLESS OTHERWISE NOTED. REFER TO FDOT DESIGN STANDARD INDEX 425-010.
- ALL FLARED END SECTIONS (FES) ARE SPECIFIED FDOT STANDARD INDEX 430-020 UNLESS OTHERWISE NOTED.
- ALL MITERED END SECTIONS (MES) ARE SPECIFIED FDOT STANDARD INDEX 430-021 UNLESS OTHERWISE NOTED.

*AB NOTE:
PIPE SIZES TYPE/MATERIALS INSTALLED PER PLAN*

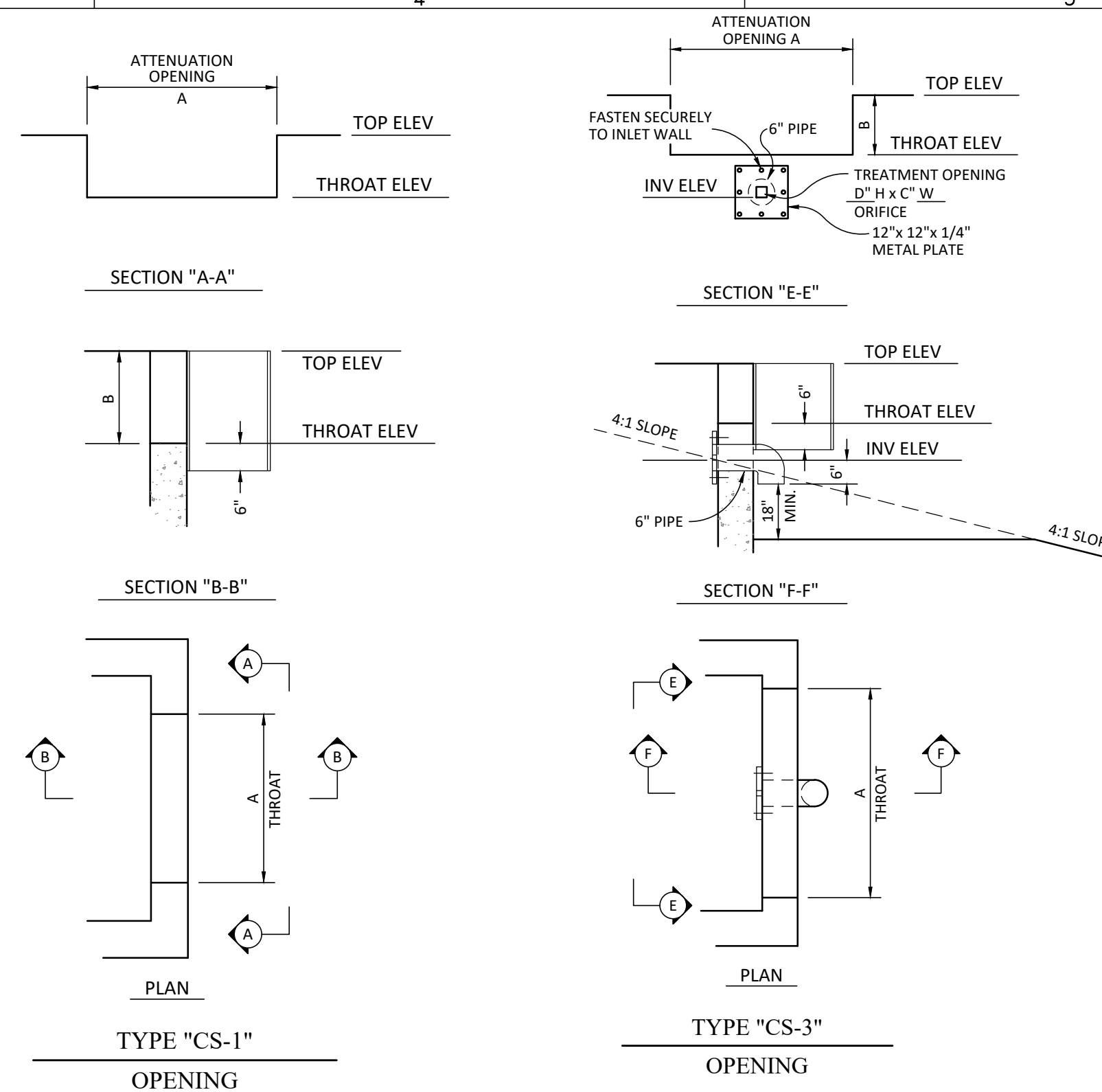


SERENOA VILLAGE 3 - PHASE 1, 2 & 3
STORM STRUCTURE DATA
RECORDED FOR: VK AVALON GROVES, LLC

REVISION	DATE	DESCRIPTION
6	07/29/2020	REVISED MULTIPLE PIPE INVERTS
1	11/23/2019	REV. STRUCTURE NUMBERS
1	11/08/2019	REVIEW SUBMITTAL

PROJECT NO: KLP-AG-1089
 FILE: ST-REC
 DESIGN BY: FRANCIS
 DRAWN BY: JLOAIZA
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Timothy M. Plate, (State of Florida, Professional Engineer, License No. 41153)
 This item has been digitally signed and sealed by Timothy M. Plate, P.E. on the date indicated here:
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 TIMOTHY M. PLATE, P.E.
 DATE: 11/23/2019
 LICENSE NO. 41153
C-313

CONTROL STRUCTURE DATA														
STRNO.	FDOT BOX TYPE	STRUCTURE		DISCHARGE PIPE		ATTENUATION AND TREATMENT CONTROLS						REMARKS		
		TOP EL.	BOTTOM EL.	TYPE	SIZE (IN.)	INV. EL. (IN.)	STR. TYPE	ATTENUATION OPENING		TREATMENT OPENING			ELEV. (FT.)	
							A	B	C	D	F'			
CS-100	E	116.3 116.21	110.5 110.41	RCP	36	111.0 110.99	CS-3	4'-0"	1'-6"	114.8 114.69	-3.33" 3.3"	-3.33" 3.3"	113.7 113.59	POND 100 OUTFALL A THROAT
							CS-1	2'-0"	1'-6"	114.8 114.69				POND 100 OUTFALL A1 THROAT
							CS-1	2'-0"	1'-6"	114.8 114.69				POND 100 OUTFALL A2 THROAT
CS-110	D	116.5 116.35	111.1 110.95	RCP	36	111.6 111.55	CS-3	3'-0"	1'-6"	115.0 114.86	3"	3"	113.85 113.85	POND 110 OUTFALL A THROAT
							CS-1	2'-0"	1'-6"	115.0 114.86				POND 110 OUTFALL A1 THROAT
CS-120	D	116.2 116.18	107.8 107.76	RCP	36	108.3 108.30	CS-3	3'-6"	1'-8"	114.5 114.48	4.25"	4.25"	113.7 113.69	POND 120 OUTFALL A THROAT
							CS-1	2'-6"	1'-8"	114.5 114.47				POND 120 OUTFALL A1 THROAT
CS-130	D	114.8 114.89	107.5 107.60	RCP	30	108 108.06	CS-3	3'-0"	1'-6"	113.0 113.08	3"	3"	112.3 112.37	POND 130 OUTFALL A THROAT
							CS-1	2'-0"	1'-6"	113.0 113.06				POND 130 OUTFALL A1 THROAT
CS-140	C	116.0 116.69	108.6 108.63	RCP	24	109.1 109.12	CS-3	0'-6"	2'-0"	114.0 114.08	-3.25" 3.3"	-3.25" 3.3"	113.5 113.52	POND 140 OUTFALL A THROAT
CS-150	D	116.0 116.00	110.0 110.00	RCP	36	110.5 110.40	CS-3	2'-0"	1'-10"	114.2 114.20	-3.75" 3.75"	-3.75" 3.75"	113.5 113.90	POND 150 OUTFALL A THROAT



RECORD DRAWING LEGEND

42.00 - PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH, "RECORD" ELEVATION OR DIMENSION WRITTEN IN.

42.07 - PROPOSED/DESIGN ELEVATION OR DIMENSION LINED THROUGH, "RECORD" ELEVATION OR DIMENSION WRITTEN IN.

x 54.8 - INDICATES RECORD ELEVATION

✓ - INDICATES "RECORD" ELEVATION, DIMENSION, SLOPE, et cetera.

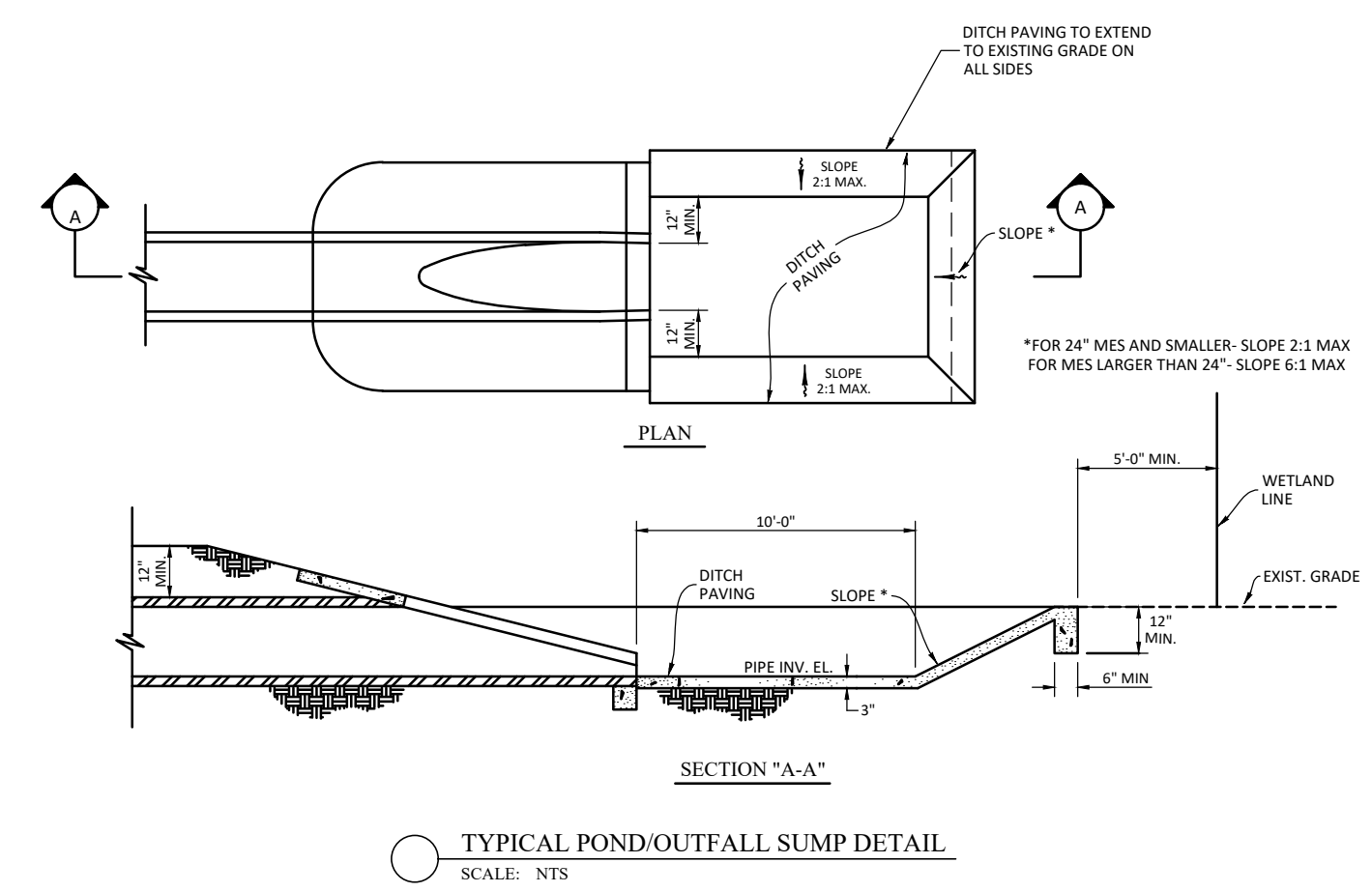
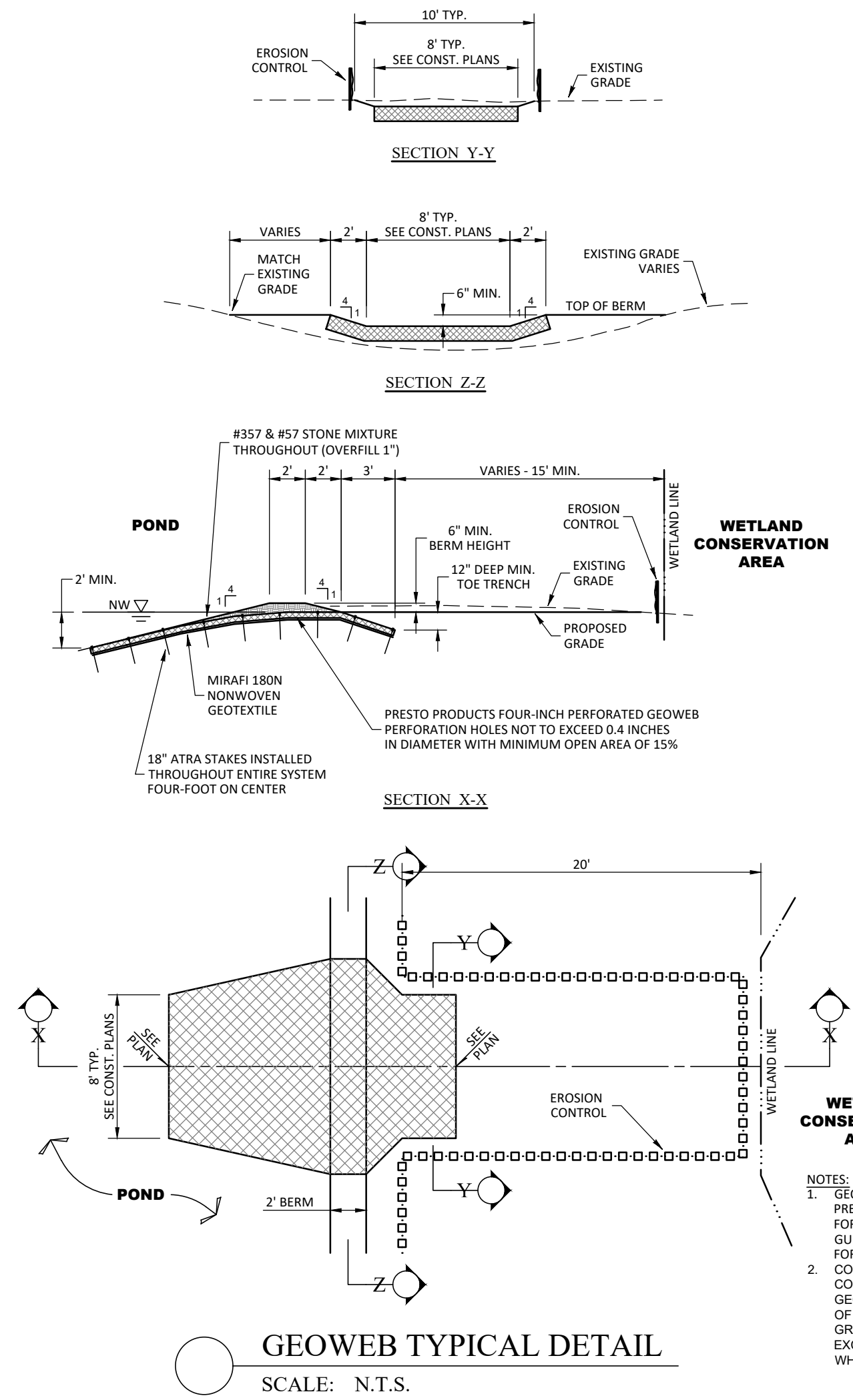
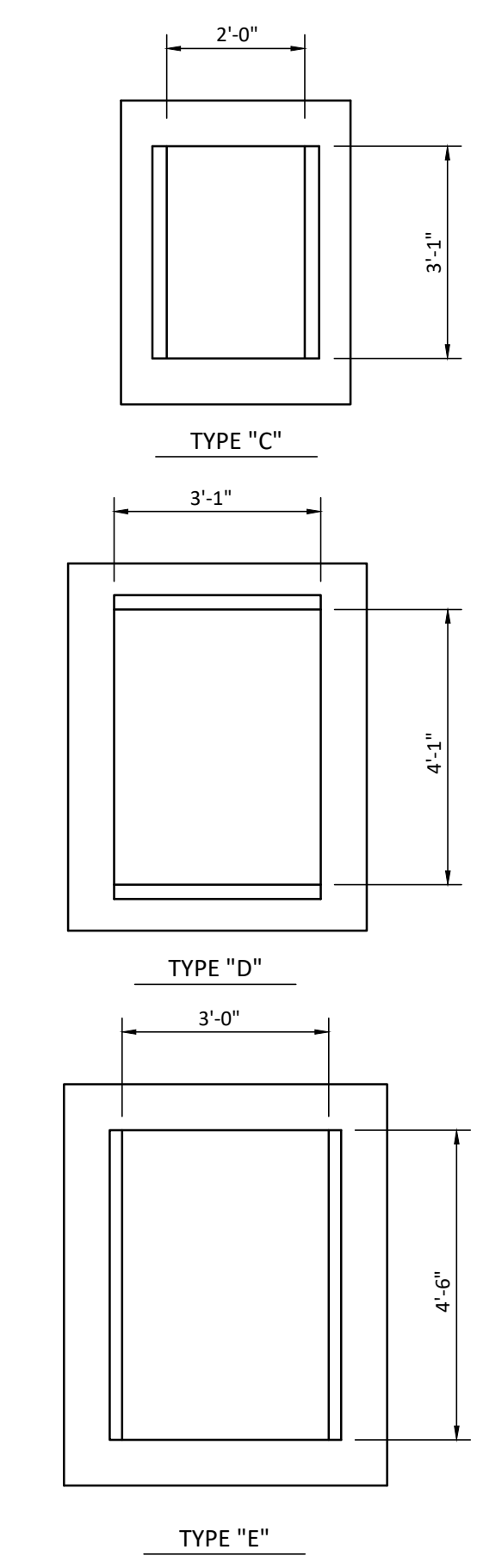
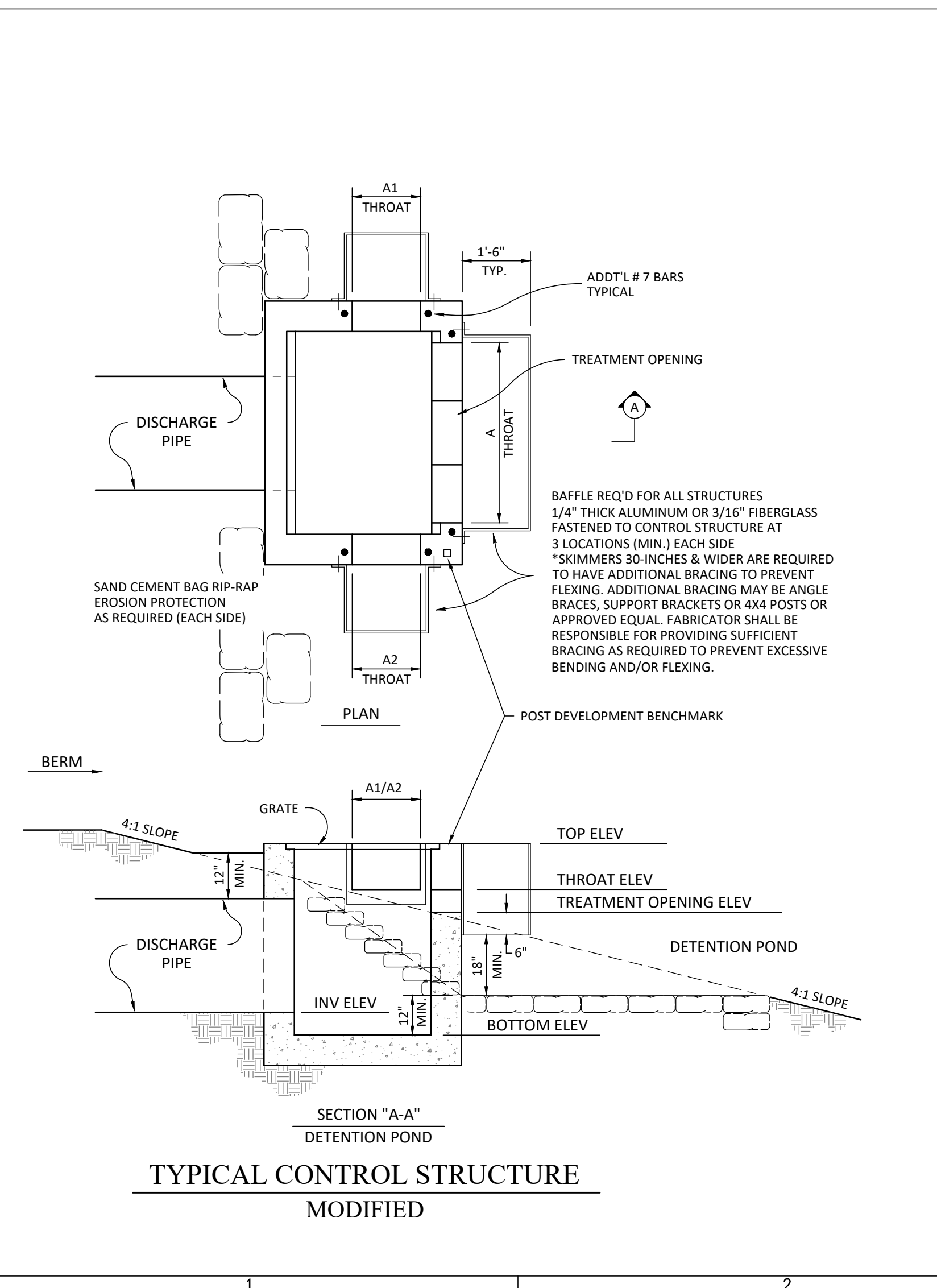
100 (8" MIN) - INDICATES "RECORD" ITEM NUMBER

INDICATES "RECORD" ITEM DESCRIPTION

RECORD DATA PROVIDED BY BLUE OXLAND SERVICES

FACILITIES SHOWN HEREON HAVE BEEN, TO THE BEST OF MY KNOWLEDGE, CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH APPROVED PLANS, SPECIFICATIONS AND MODIFICATIONS FOR THIS PROJECT. VERIFICATION IS BASED ON PERIODIC CONSTRUCTION OBSERVATION AND SURVEY NOTATIONS SHOWN ON PLANS. SURVEYED DIMENSIONS AND ELEVATIONS SHOWN AS RECORD INFORMATION HAVE BEEN FIELD VERIFIED.

LAST DATE OF FIELD SURVEY: 12/22/2020



ELEVATIONS BASED ON:
NORTH AMERICAN VERTICAL DATUM 1988
CONVERSION:
NAVD 88 TO NGVD 29 = +0.86

HEIDT DESIGN
Civil Engineering • Planning & GIS
Transportation Engineering
Ecological Services • Landscape Architecture

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Landscape Architecture Certificate of Authorization No. LC20080405

RAVALON GROVES/VILLAGE 3 PHASE 1, 2 & 3
ENGINEERING/RECORDING

PREPARED FOR: **VK AVALON GROVES, LLC**

PROJECT NO: KLP-AG-1089
FILE: CSTR-REC
DESIGN BY: FRANCIS
DRAWN BY: JLOAIZA

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Timothy M. Plate, State of Florida,
Professional Engineer, License No. 41153

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