

CALLAHAN COUNTRY RV RESORT

CALLAHAN FL. 32011
SITE ENGINEERING PLANS

LEGAL DESCRIPTION:

PUD
LEGAL DESCRIPTION

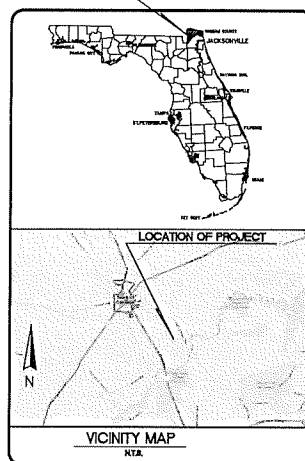
THAT CERTAIN TRACT OR PARCEL OF LAND, BEING A PART OF LOT 6, OF THE "PART OF THE S.A. OGRIVE HOMESTEAD" PLAT IN SECTION 37, TOWNSHIP 1 NORTH, RANGE 23 EAST, NASSA COUNTY, FLORIDA, AS SHOWN ON THE PLAT THEREOF, RECORDED IN PLAT BOOK "D", PAGE 25 AND IN PLAT BOOK 1, PAGE 52, OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA, TOGETHER WITH A PORTION OF LOTS 1 AND 2, "WOODLAND FOREST PHASE 1", AS SHOWN ON THE PLAT THEREOF, RECORDED IN PLAT BOOK 6, PAGES 292, 293 AND 294 OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA; SAID PARCEL OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

FOR A POINT OF REFERENCE, COMMENCE AT THE MOST NORTH-WESTERLY CORNER OF LOT 13, "WOODLAND FOREST PHASE 1", AS SHOWN ON THE PLAT THEREOF, RECORDED IN PLAT BOOK 6, PAGES 292, 293 AND 294 OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA, AND RUN THENCE, SOUTH 77°20'55" WEST, ALONG THE SOUTHERLY RIGHT OF WAY LINE OF GREENFIELD COUNTRY CLUB ROAD, A 60 FOOT COUNTY ROAD RIGHT OF WAY, AS PER OFFICIAL RECORDS BOOK 385, PAGE 620 OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA, A DISTANCE OF 184.6 FEET, TO A POINT ON THE EASTERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN THAT WARRANTY DEED FROM NASSAU SPORTS, INC. TO JAMES AND HELEN MIN, AS RECORDED IN OFFICIAL RECORDS BOOK 3044, PAGE 1073, OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA; RUN THENCE, SOUTH 14°34'59" EAST, ALONG SAID EASTERLY LINE, A DISTANCE OF 141.81 FEET, TO THE POINT OF BEGINNING.

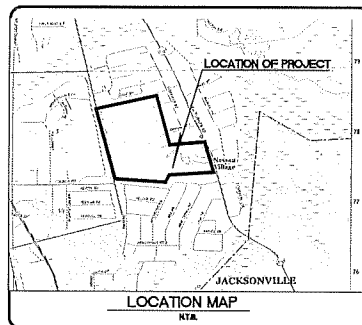
FROM THE POINT OF BEGINNING THUS DESCRIBED, RUN THENCE, SOUTH 14°34'59" EAST, ALONG THE EASTERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN THAT WARRANTY DEED FROM NASSAU SPORTS, INC. TO JAMES AND HELEN MIN, AS RECORDED IN OFFICIAL RECORDS BOOK 1044, PAGE 1073, OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA, A DISTANCE OF 146.44 FEET, TO A POINT; RUN THENCE, NORTH 73°14'55" EAST, DEPARTING FROM A POINT ON THE EASTERLY LINE OF LAST SAID LINES, A DISTANCE OF 622.51 FEET, TO THE POINT OF CURVATURE, OF A CURVE, LEADING EASTERLY; RUN THENCE, EASTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE SOUTHERLY, AND HAVING A RADIUS OF 1,060.00 FEET, THROUGH A CENTRAL ANGLE OF 26°54'29" TO THE RIGHT, AN ARC DISTANCE OF 407.81 FEET, TO THE POINT OF TANGENCY OF LAST SAID CURVE; SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 88°42'09" EAST, 493.15 FEET; RUN THENCE, SOUTH 77°50'36" EAST, ALONG LAST SAID TANGENCY, A DISTANCE OF 263.53 FEET, TO THE POINT OF CURVATURE, OF A CURVE, LEADING EASTERLY; RUN THENCE, EASTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE NORTHERLY, AND HAVING A RADIUS OF 440.00 FEET, THROUGH A CENTRAL ANGLE OF 34°12'36" TO THE LEFT, AN ARC DISTANCE OF 262.71 FEET, TO THE POINT OF TANGENCY OF LAST SAID CURVE; SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 85°02'06" EAST, 258.83 FEET; RUN THENCE, NORTH 67°56'48" EAST, ALONG LAST SAID TANGENCY, A DISTANCE OF 106.30 FEET, TO THE POINT OF CURVATURE, OF A CURVE, LEADING NORTHEASTERLY; RUN THENCE, NORTHEASTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE NORTHERLY, AND HAVING A RADIUS OF 30.00 FEET, THROUGH A CENTRAL ANGLE OF 47°36'39" TO THE LEFT, AN ARC DISTANCE OF 24.75 FEET, TO THE POINT OF REVERSE CURVATURE, OF A CURVE, CONTINUING NORTHEASTERLY; LAST SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 44°18'29" EAST, 24.06 FEET; RUN THENCE, NORTHEASTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE SOUTHEASTERLY, AND HAVING A RADIUS OF 50.00 FEET, THROUGH A CENTRAL ANGLE OF 41°35'40" TO THE RIGHT, AN ARC DISTANCE OF 36.53 FEET, TO A POINT ON THE WESTERLY RIGHT OF WAY LINE OF LEXA TURNER ROAD/STATE ROAD NO. 115, A 100 FOOT PUBLIC ROAD RIGHT OF WAY, AS PRESENTLY ESTABLISHED; LAST SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 41°58'44" EAST, 35.74 FEET; SAID POINT ALSO BEING ON THE ARC OF A CURVE, LEADING SOUTHEASTERLY; RUN THENCE SOUTHEASTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE SOUTHWESTERLY, AND HAVING A RADIUS OF 5,078.05 FEET, THROUGH A CENTRAL ANGLE OF 07°06'37" TO THE LEFT, AN ARC DISTANCE OF 110.62 FEET, TO A POINT OF CURVE; SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 12°17'41" EAST, 110.62 FEET; RUN THENCE, NORTHWESTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE NORTHERLY, AND HAVING A RADIUS OF 50.00 FEET, THROUGH A CENTRAL ANGLE OF 41°43'32" TO THE LEFT, AN ARC DISTANCE OF 38.4 FEET, TO THE POINT OF REVERSE CURVATURE, OF A CURVE, LEADING NORTHWESTERLY; LAST SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF N 85°52'18" WEST, 38.41 FEET; RUN THENCE, NORTHWESTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE SOUTHERLY, AND HAVING A RADIUS OF 30.00 FEET, THROUGH A CENTRAL ANGLE OF 46°52'41" TO THE LEFT, AN ARC DISTANCE OF 24.55 FEET, TO THE POINT OF TANGENCY OF LAST SAID CURVE; LAST SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 88°36'51" WEST, 23.87 FEET; RUN THENCE, SOUTH 67°56'48" WEST, ALONG LAST SAID TANGENCY, A DISTANCE OF 106.99 FEET, TO THE POINT OF CURVATURE, OF A CURVE, LEADING WESTERLY; RUN THENCE, WESTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE NORTHERLY, AND HAVING A RADIUS OF 5000.00 FEET, THROUGH A CENTRAL ANGLE OF 34°12'36" TO THE RIGHT, AN ARC DISTANCE OF 269.54 FEET, TO THE POINT OF TANGENCY OF LAST SAID CURVE; LAST SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF SOUTH 88°42'09" WEST, 465.33 FEET; RUN THENCE, SOUTH 73°14'55" WEST, A DISTANCE OF 612.68 FEET, TO A POINT ON THE EASTERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN THAT WARRANTY DEED FROM NASSAU SPORTS, INC. TO JAMES AND HELEN MIN, AS RECORDED IN OFFICIAL RECORDS BOOK 1044, PAGE 1073, OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA; RUN THENCE, ALONG THE EASTERLY, SOUTHERLY, WESTERLY AND NORTHERLY LINE OF SAID LANDS DESCRIBED AND RECORDED IN OFFICIAL RECORDS BOOK 1044, PAGE 1073, THE FOLLOWING SIX (6) CURVES AND DISTANCES: COURSE NO. 1: RUN THENCE, SOUTH 14°34'59" EAST, A DISTANCE OF 840.24 FEET, TO A POINT; COURSE NO. 2: RUN THENCE, NORTH 67°56'48" WEST, A DISTANCE OF 118.44 FEET, TO A POINT; COURSE NO. 3: RUN THENCE, SOUTH 44°18'29" WEST, A DISTANCE OF 116.74 FEET, TO A POINT; COURSE NO. 4: RUN THENCE, NORTH 88°42'09" WEST, A DISTANCE OF 2,353.32 FEET, TO A POINT; COURSE NO. 5: RUN THENCE, NORTH 12°17'41" EAST, A DISTANCE OF 2,689.92 FEET, TO A POINT; COURSE NO. 6: RUN THENCE, NORTH 78°04'02" EAST, A DISTANCE OF 541.36 FEET, TO A POINT; RUN THENCE, SOUTH 12°30'05" EAST, A DISTANCE OF 645.11 FEET, TO A POINT; RUN THENCE, SOUTH 09°37'06" WEST, A DISTANCE OF 418.98 FEET, TO A POINT; RUN THENCE, SOUTH 12°30'05" EAST, A DISTANCE OF 1,213.95 FEET, TO A POINT ON THE ARC OF A CURVE, LEADING NORTHEASTERLY; RUN THENCE, NORTHEASTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE SOUTHERLY, AND HAVING A RADIUS OF 3,243.97 FEET, THROUGH A CENTRAL ANGLE OF 17°45'76" TO THE RIGHT, AN ARC DISTANCE OF 665.82 FEET, TO THE POINT OF COMPOUND CURVATURE, OF A CURVE, CONTINUING NORTHEASTERLY; LAST SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 69°52'43" EAST, 666.66 FEET; CONTINUE THENCE NORTHEASTERLY, ALONG AND AROUND THE ARC OF A CURVE, BEING CONCAVE SOUTHERLY, AND HAVING A RADIUS OF 4,002.11 FEET, THROUGH A CENTRAL ANGLE OF 69°06'30" TO THE RIGHT, AN ARC DISTANCE OF 636.22 FEET, TO THE POINT OF TANGENCY OF LAST SAID CURVE; LAST SAID ARC BEING SUBTENDED BY A CHORD BEARING AND DISTANCE OF NORTH 80°18'46" EAST, 636.55 FEET; RUN THENCE, NORTH 64°53'01" EAST, ALONG LAST SAID TANGENCY, A DISTANCE OF 101.35 FEET, TO A POINT; RUN THENCE, NORTH 13°25'45" WEST, A DISTANCE OF 131.44 FEET, TO A POINT; RUN THENCE, SOUTH 82°07'07" EAST, A DISTANCE OF 336.13 FEET, TO A POINT; RUN THENCE, NORTH 77°08'01" EAST, A DISTANCE OF 345.22 FEET, TO A POINT ON THE ACRE/ROAD EASTERLY LINE OF THOSE LANDS DESCRIBED AND RECORDED IN THAT WARRANTY DEED FROM NASSAU SPORTS, INC. TO JAMES AND HELEN MIN, AS RECORDED IN OFFICIAL RECORDS BOOK 1044, PAGE 1073, OF THE PUBLIC RECORDS OF SAID NASSA COUNTY, FLORIDA, AND THE POINT OF BEGINNING.

THE LANDS THUS DESCRIBED CONTAINS 3,125,747 SQUARE FEET, OR 71.75 ACRES, MORE OR LESS, IN AREA.

LOCATION OF PROJECT



Digitally signed
by Henry A
Vorpe Jr.
Date: 2022.05.31
10:29:42 -04'00'



PROJECT CONTACTS

OWNER
CALLAHAN COUNTRY RV RESORT LLC
54221 EVERGREEN TRAIL
CALLAHAN FL. 32011
(904)-613-9187

ENGINEER
AVA ENGINEERS, INC.
HENRY A. VORPE, P.E.
5711 RICHARD STREET, SUITE 4
JACKSONVILLE, FL 32216
(904) 730-3223

SURVEYOR
A & J LAND SURVEYORS, INC
JONATHAN B. BOWAN, PSM
5847 LIFELA STREET, JACKSONVILLE, FL 32207
(904) 346-1733

GEOTECHNICAL ENGINEER
JACKSON GEOTECHNICAL ENGINEERING, LLC
HENRY A. VORPE, P.E.
364 PLAZA DEL RIO DRIVE
ST. AUGUSTINE, FLORIDA 32084
(904) 252-2292

UTILITY CONTACTS

CABLE PROVIDER:
COMCAST
10151 DEERWOOD PARK BLVD,
JACKSONVILLE, FL 32256
904-416-1979

ELECTRIC PROVIDER:
FLORIDA POWER AND LIGHT
87010 PROFESSIONAL WAY,
YULEE, FL 32097
1-888-988-8249

SHEET LIST	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	PRE- DEV DRAINAGE MAP 1
3	PRE- DEV DRAINAGE MAP 2
4	PRE- DEV DRAINAGE DETAILS 1
5	PRE- DEV DRAINAGE DETAILS 2
6	POST- DRAINAGE MAP 1
7	POST- DRAINAGE MAP 2
8	EXISTING CONDITIONS & DEMO PLAN
9	EXISTING CONDITIONS & DEMO PLAN
10	OVERALL SITE PLAN
11-20	SITE PLAN 1-10
21-30	GRADING PLAN 1-10
31	OVERALL UTILITY PLAN
32-40	UTILITY PLAN 1-10
41	DETAIL SHEET 1
42	DETAIL SHEET 2
43	DETAIL SHEET 3
44	WATER AND SEWER DETAILS 1
45	WATER AND SEWER DETAILS 2
46	PUMP STATION DETAILS
47	SECTIONS
48	EROSION CONTROL DETAILS
49	SWPPP-1
50	SWPPP-2
51	GENERAL NOTES

PROJECT INFORMATION

GENERAL	
Project Name	CALLAHAN COUNTRY RV RESORT LLC
Project Address	CALLAHAN FL. 32011
Project Acreage	265.65 ac.
Concurrency Application Number	N/A
Property Appraiser	37-IN-25-0000-0004-0010,
Number (RE#)	37-IN-25-2375-0001-0000,
	37-IN-25-0000-0004-0060
Future Land Use	PUD
Zoning Designation	PUD
PUD Ordinance Number	N/A
FIRM / Community / Panel	12089C0320F, 12089C0316F
Flood Zones (Show in Plans)	ZONE X
Base Flood Elev. (Show in Plans)	N/A
Vertical Datum Used for Project	NAVD 88
SUBDIVISION	
PSD Number	N/A
City or Private Inspection	N/A
Public or Private Roads	N/A
Subdivision (S11) Disk Provided?	N/A
NON-SUBDIVISION	
North American Industry Classification System (NAICS)	721211

Revisions	By

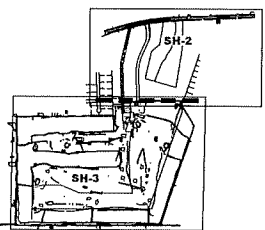
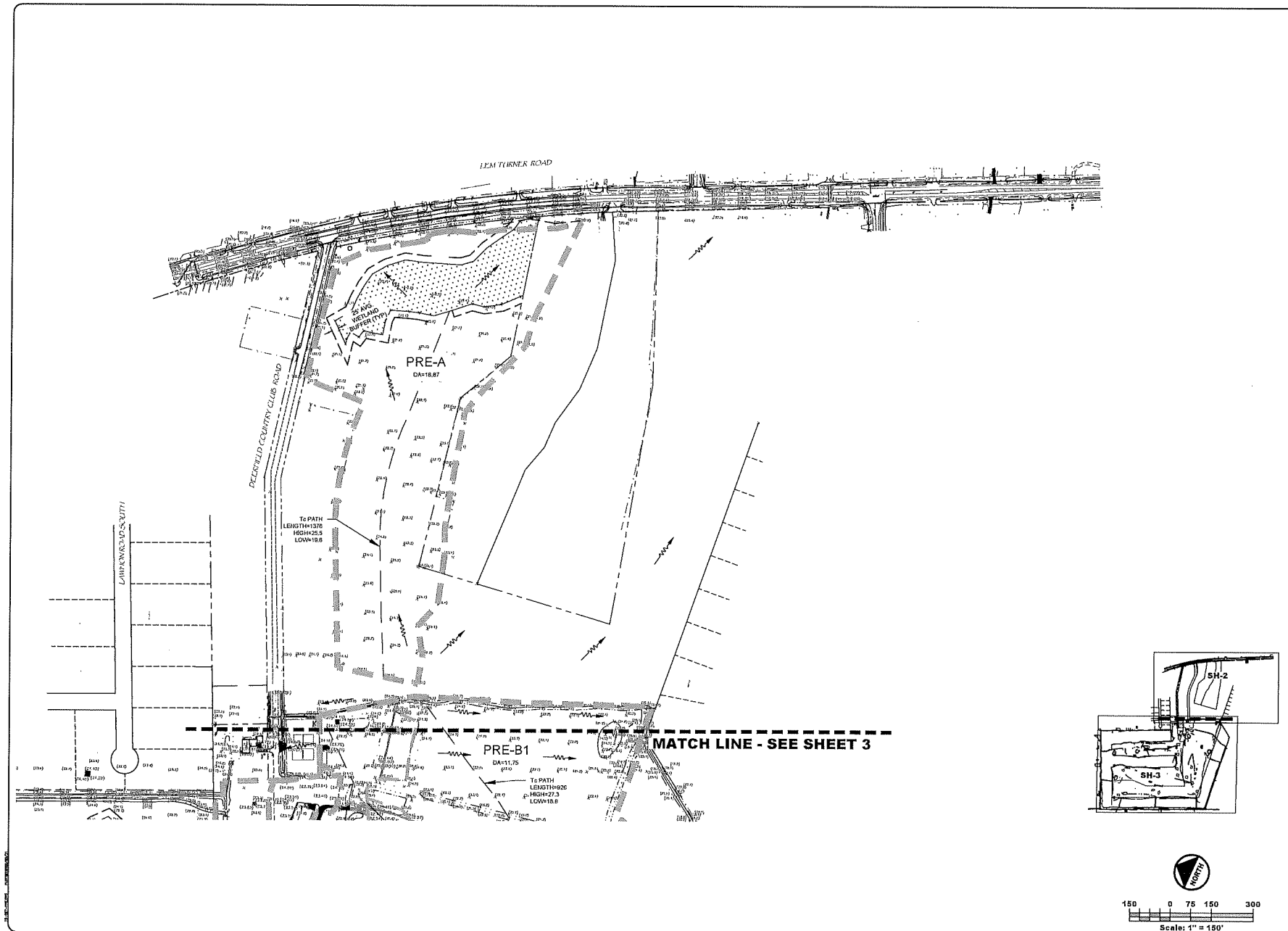
AVA ENGINEERS, INC.
Commercial | Residential | Marine
Florida Certificate No. 0000861
FL 00012-2021 | FL 00010-2025
HENRY A. VORPE, P.E.



THIS DOCUMENT IS THE PROPERTY OF AVA ENGINEERS, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC.

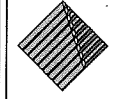
CALLAHAN COUNTRY RV RESORT
COVER SHEET
Florida
Nassau County

Date: 11/21
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale:
Sheet: 1 of 51



No.	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 00008161
 435 BRADSHAW RD. SUITE 100
 JACONVILLE, FL 34455
 Phone: 407-564-4200
 Fax: 407-564-4201
 Email: info@avaengineers.com

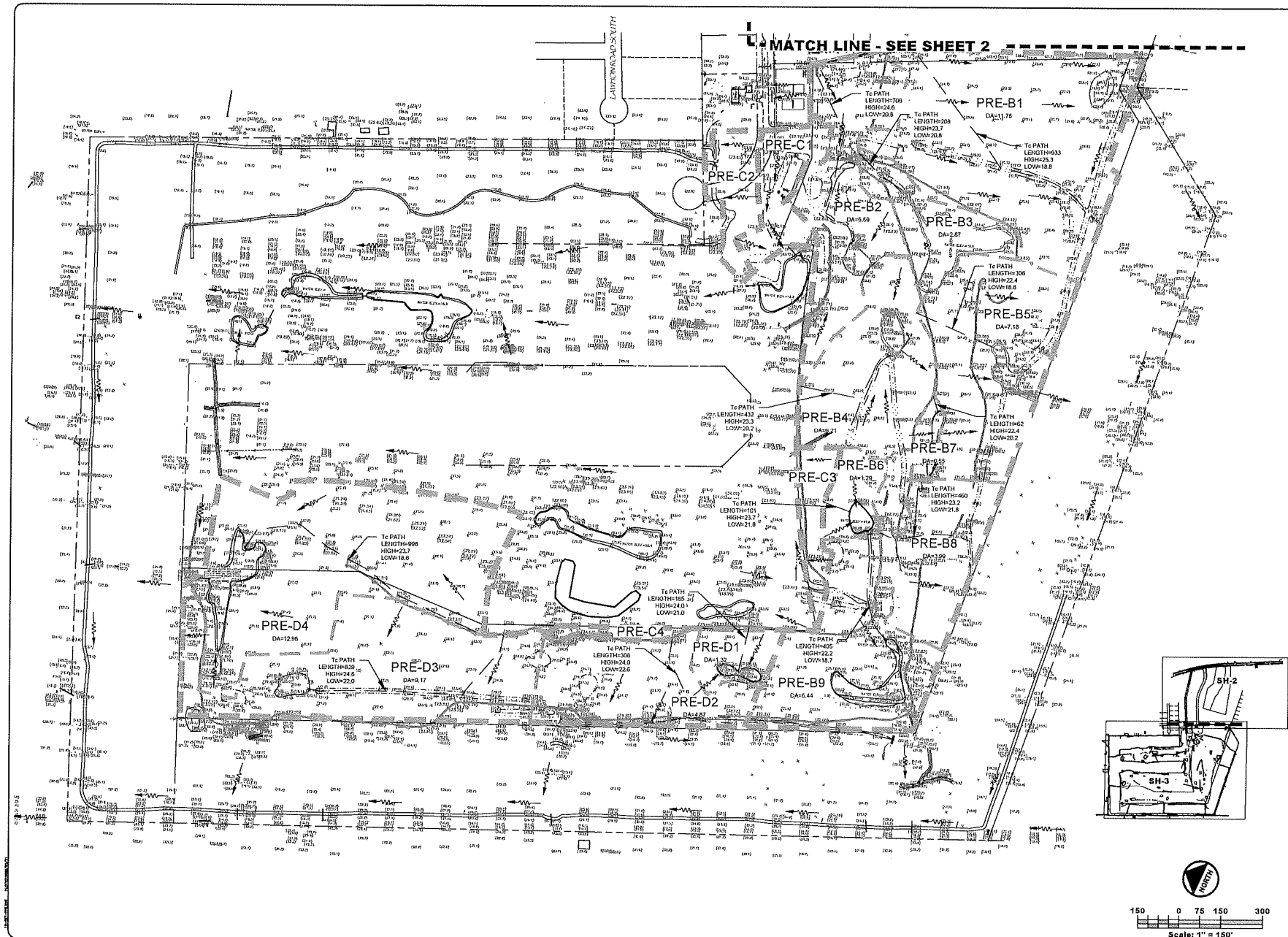


THIS PLAN AND SPECIFICATIONS ARE THE PROPERTY OF AVA ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. THE USER OF THIS PLAN AND SPECIFICATIONS AGREES TO HOLD AVA ENGINEERS, INC. HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST AVA ENGINEERS, INC. BY ANY THIRD PARTY AS A RESULT OF THE USER'S USE OF THIS PLAN AND SPECIFICATIONS.

CALLAHAN COUNTRY RV RESORT
PRE- DEV DRAINAGE MAP 1
 Nassau County, Florida

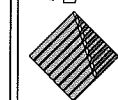
Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=200'

Sheet: **2**
 of 51



No.	Revisions	By
1		
2		
3		
4		
5		

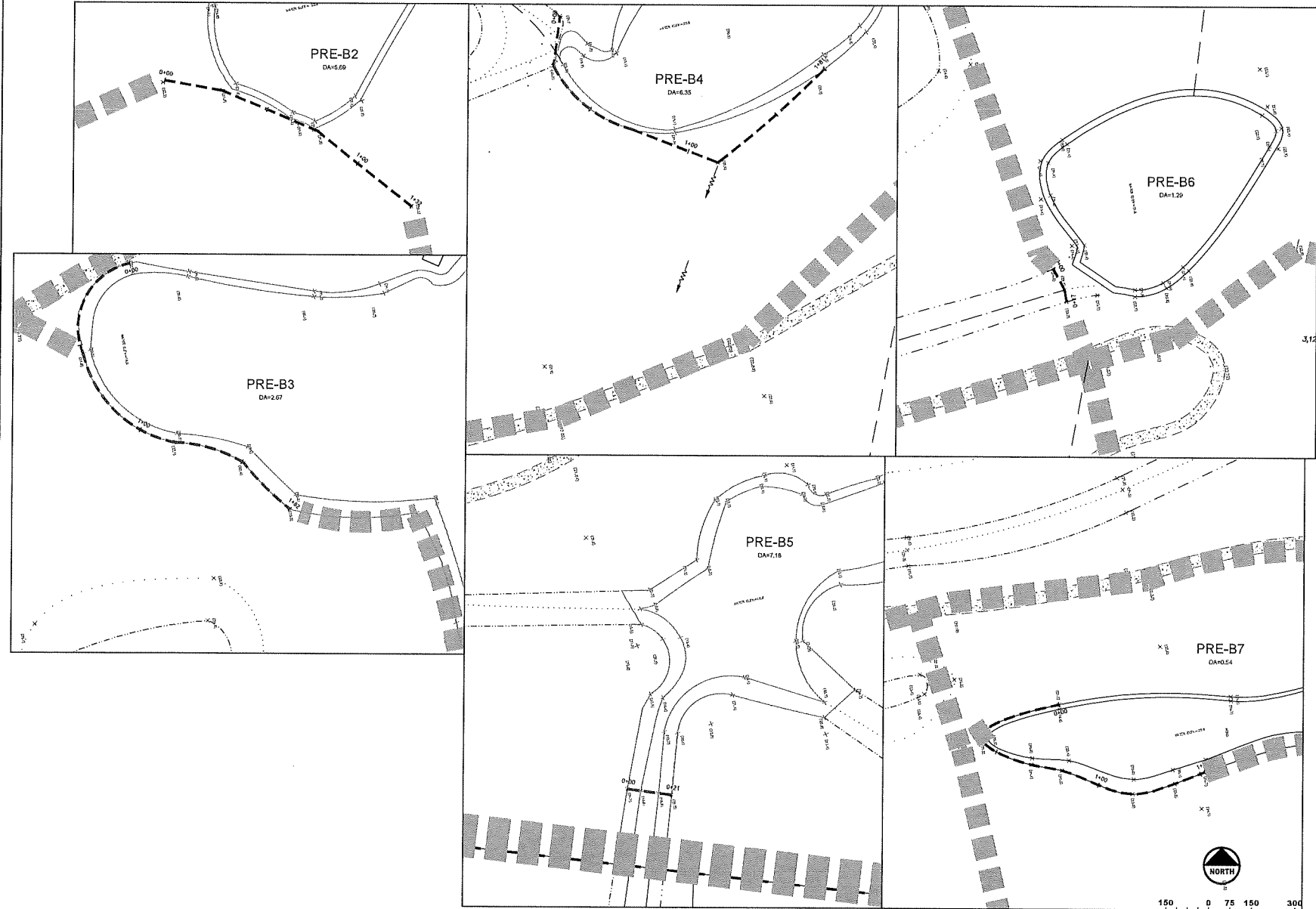
AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 00008661
 425 SHAWNEE RD. SUITE 100 JACOBVILLE, FL 32057
 P. 904.351.1234 F. 904.351.1235
 E. info@avaengineers.com



THIS PLAN AND SPECIFICATIONS ARE THE PROPERTY OF AVA ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. ANY REPRODUCTION OR COPIING OF THIS PLAN OR SPECIFICATIONS WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. IS STRICTLY PROHIBITED. AVA ENGINEERS, INC. ACCEPTS NO LIABILITY FOR ANY DAMAGE OR LOSS OF ANY KIND, INCLUDING BUT NOT LIMITED TO, DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THIS PLAN OR SPECIFICATIONS. THE USER OF THIS PLAN OR SPECIFICATIONS AGREES TO HOLD AVA ENGINEERS, INC. HARMLESS FROM AND AGAINST ALL SUCH DAMAGES. THE USER OF THIS PLAN OR SPECIFICATIONS AGREES TO INDEMNIFY AND HOLD AVA ENGINEERS, INC. HARMLESS FROM AND AGAINST ALL SUCH DAMAGES. THE USER OF THIS PLAN OR SPECIFICATIONS AGREES TO INDEMNIFY AND HOLD AVA ENGINEERS, INC. HARMLESS FROM AND AGAINST ALL SUCH DAMAGES.

CALLAHAN COUNTRY RV RESORT
PRE- DEV DRAINAGE MAP 2
 Nassau County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=200'
 Sheet: **3**
 of 51



No.	Revisions	By
1		
2		
3		
4		

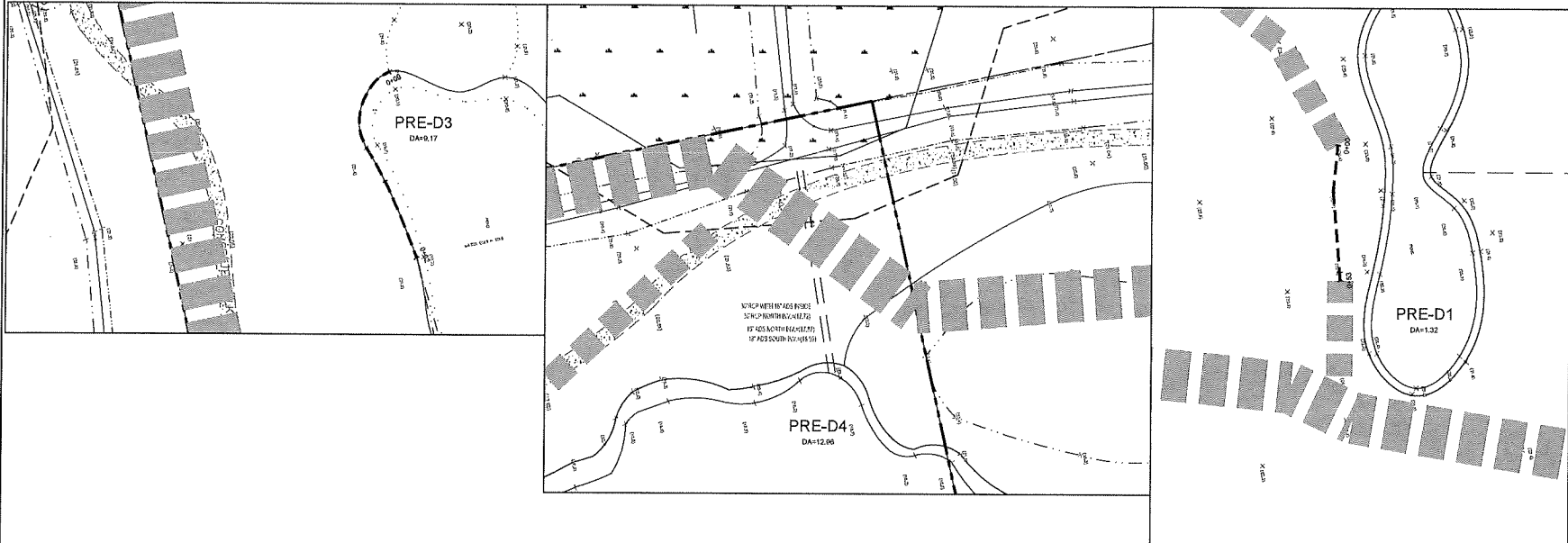
AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000866
 435 BAYSHORE DR. SUITE 101 JACKSONVILLE, FLORIDA 32209
 P.O. Box 10000 Jacksonville, FL 32210
 Phone: 904.744.1111 Fax: 904.744.1112



AVA ENGINEERS, INC. is a professional engineering firm providing services in the fields of civil, mechanical, electrical, and structural engineering. The firm is licensed in the state of Florida and has a long history of successful projects. The firm's services include design, construction management, and engineering consulting. The firm is committed to providing high-quality, cost-effective solutions for its clients.

CALLAHAN COUNTRY RV RESORT
PRE- DEV DRAINAGE DETAILS 1
 NASSAU COUNTY
 Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=200'
 Sheet: **4**
 of 51



No.	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 00008661
 430 S. W. 10th Ave., Suite 200
 Fort Lauderdale, FL 33304
 Phone: (954) 571-1111
 Fax: (954) 571-1112

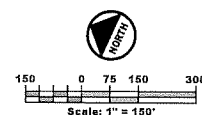
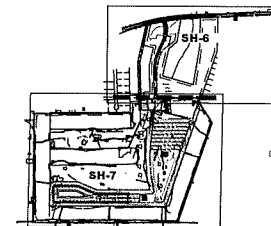
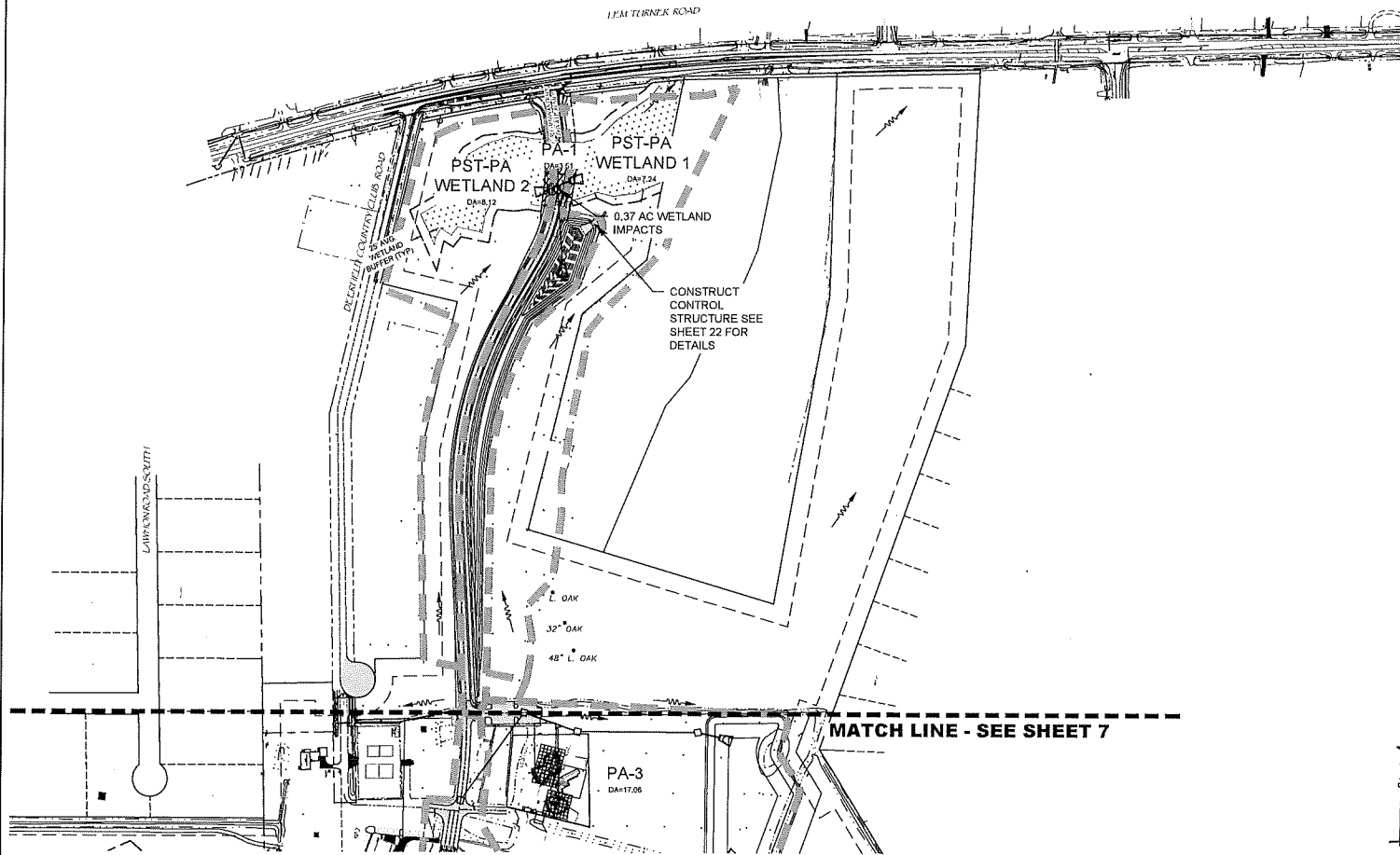


THIS PLAN AND SPECIFICATIONS ARE PREPARED BY THE ENGINEER FOR THE PURPOSE OF OBTAINING PERMITS AND CONSTRUCTION. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR THE ACTIONS OF ANY OTHER PROFESSIONAL ENGINEER OR ANY OTHER PERSON OR ENTITY. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR THE ACTIONS OF ANY OTHER PROFESSIONAL ENGINEER OR ANY OTHER PERSON OR ENTITY.

CALLAHAN COUNTRY RV RESORT
PRE-DEV DRAINAGE DETAILS 2
 Nassau County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=200'

Sheet: **5**
 of 54



No.	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial | Residential | Marine
 Florida Certificate No. 0000861
 4330 BAYVIEW BLVD., SUITE 100
 MIAMI, FL 33149
 Phone: 305.444.4444
 Fax: 305.444.4444

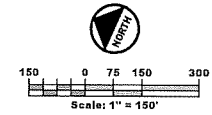
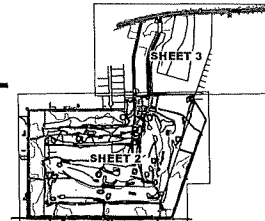
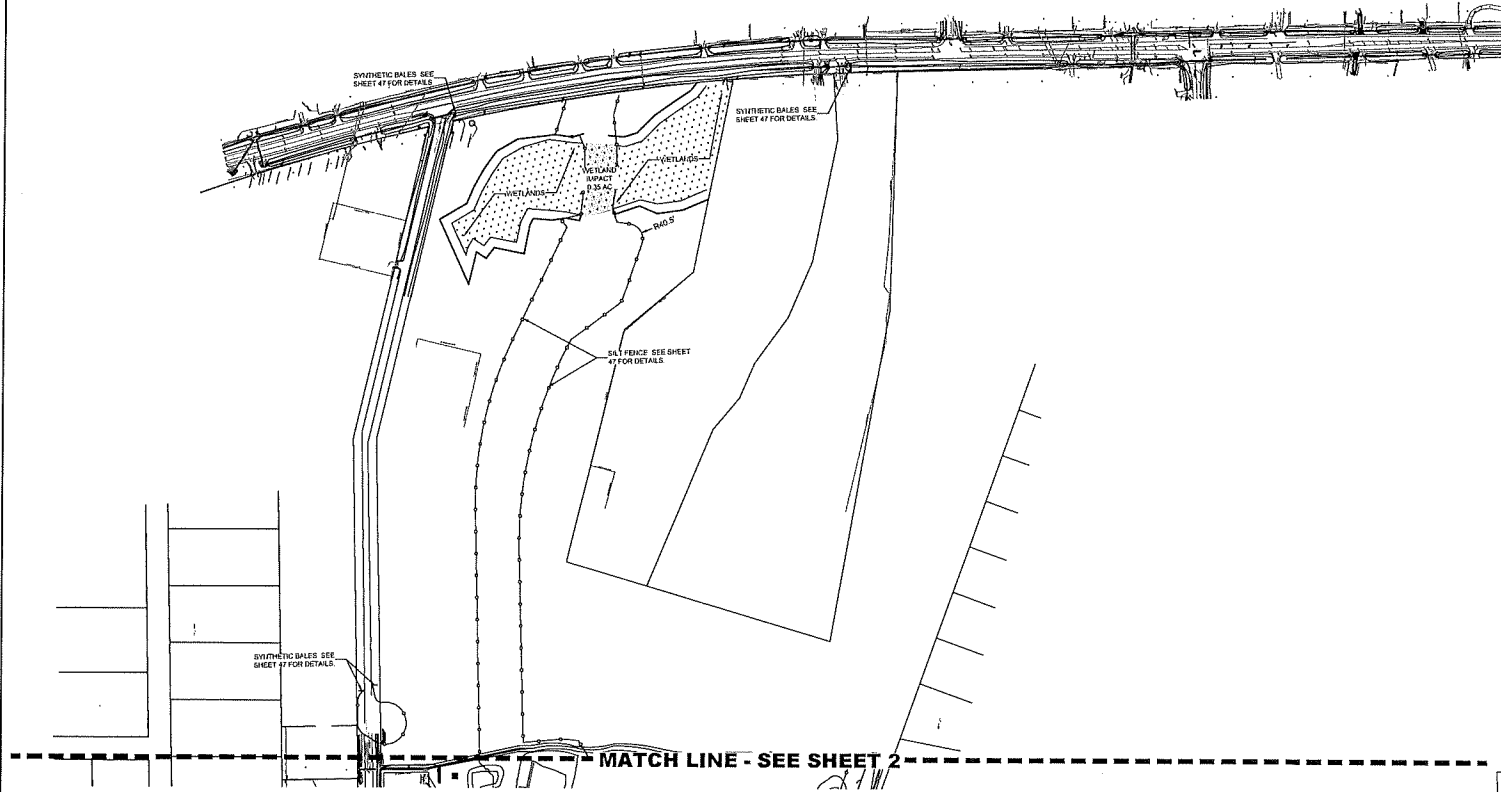


THIS PLAN WAS PREPARED BY THE ENGINEER FOR THE PROJECT AND IS NOT TO BE USED FOR ANY OTHER PROJECT. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE SITE AND HAS FOUND IT TO BE IN ACCORDANCE WITH THE PLAN. THE ENGINEER HAS NOT CONDUCTED A FIELD SURVEY OF THE SITE AND HAS NOT OBSERVED THE CONSTRUCTION OF THE PROJECT. THE ENGINEER HAS NOT CONDUCTED A FIELD SURVEY OF THE SITE AND HAS NOT OBSERVED THE CONSTRUCTION OF THE PROJECT. THE ENGINEER HAS NOT CONDUCTED A FIELD SURVEY OF THE SITE AND HAS NOT OBSERVED THE CONSTRUCTION OF THE PROJECT.

CALLAHAN COUNTRY RV RESORT
POST-DRAINAGE MAP 1
 NASSAU County
 Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=200'
 Sheet: 6 of 51

11/11/21



No.	Revisions	By
1		
2		
3		
4		

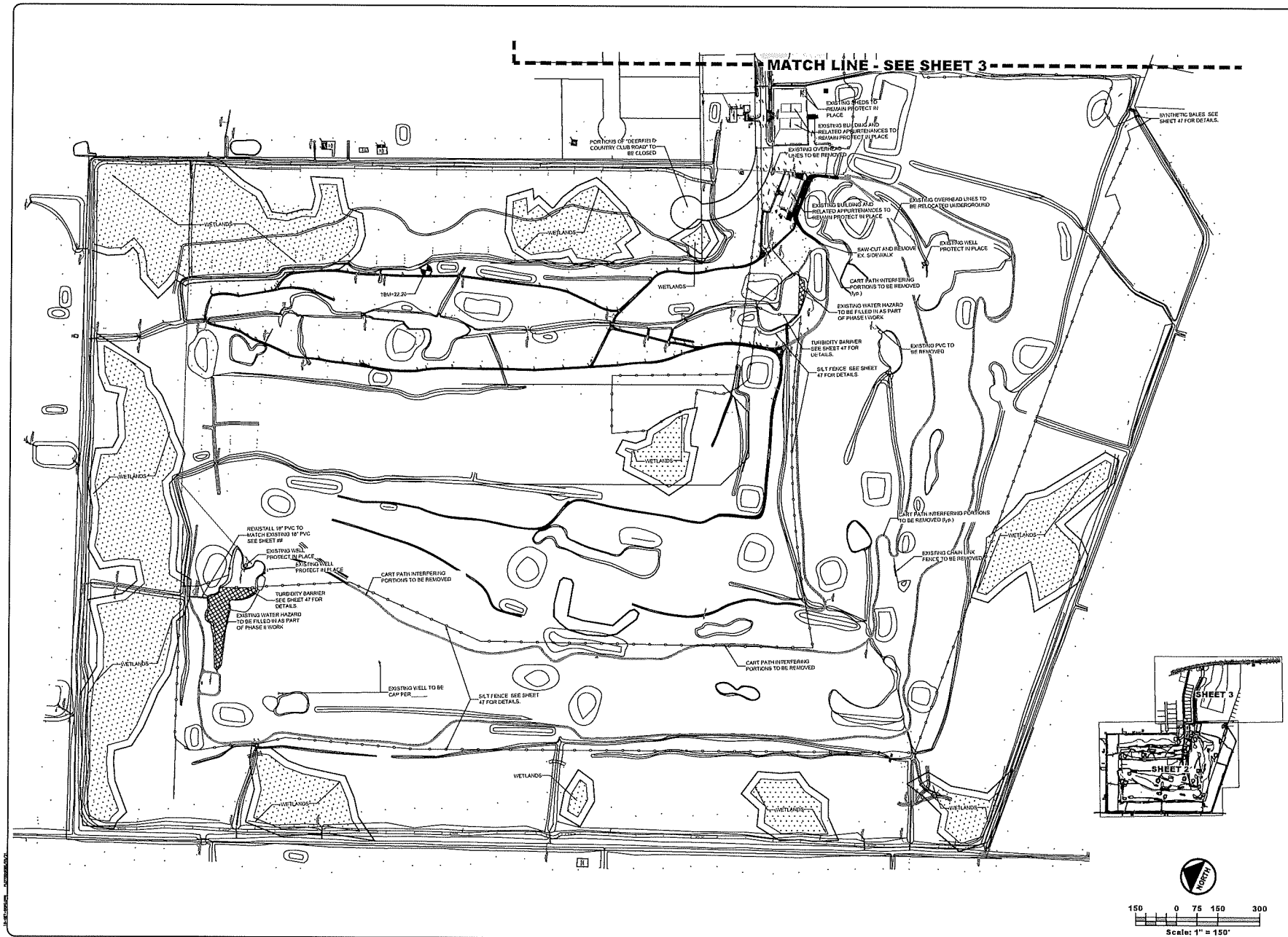
AVA ENGINEERS, INC.
Commercial / Residential / Marine
Florida Certificate No. 0000861
433 S.W. 8th Street, Suite 200
Fort Lauderdale, FL 33301
Phone: 954.571.1111
Fax: 954.571.1112



NOTES: THIS PROJECT WAS DESIGNED BY AVA ENGINEERS, INC. AND IS SUBJECT TO THE APPROVAL OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE DESIGNER HAS CONDUCTED VISUAL ANALYSIS AND HAS DETERMINED THAT THE PROJECT WILL NOT HAVE A SIGNIFICANT VISUAL IMPACT ON THE SURROUNDING ENVIRONMENT. THE DESIGNER HAS ALSO CONDUCTED A VISUAL ANALYSIS OF THE PROJECT AND HAS DETERMINED THAT THE PROJECT WILL NOT HAVE A SIGNIFICANT VISUAL IMPACT ON THE SURROUNDING ENVIRONMENT.

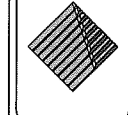
CALLAHAN COUNTRY RV RESORT
EXISTING CONDITIONS & DEMO PLAN
NASSAU County
Florida

Date: 11/21
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale: 1"=40'
Sheet: 2 of 51

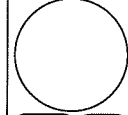


Rev	Revisions	By
1		
2		
3		
4		
5		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000861
 425 BARBOURSHED 2001-1 JACOBVILLE FLORIDA 32079
 P.O. BOX 10000
 HERRING, ALABAMA 36688-1000



THIS PLAN AND SPECIFICATIONS FOR THE PROJECT ARE THE PROPERTY OF AVA ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. THE USER OF THIS PLAN AGREES TO HOLD AVA ENGINEERS, INC. HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST AVA ENGINEERS, INC. BY ANY THIRD PARTY AS A RESULT OF THE USER'S USE OF THIS PLAN.



CALLAHAN COUNTRY RV RESORT
EXISTING CONDITIONS & DEMO PLAN
 Nassau County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **3**
 of 51

STOP & WARNING Signs Only

R-1-1
30" x 30"
10" sq post

R-1-1
30" x 30"
10" sq post

2-1/4" sq sign post

Section A-A

2-1/4"x2-1/4"x3/4" post anchor

2" sq. sign post

Exist Grade

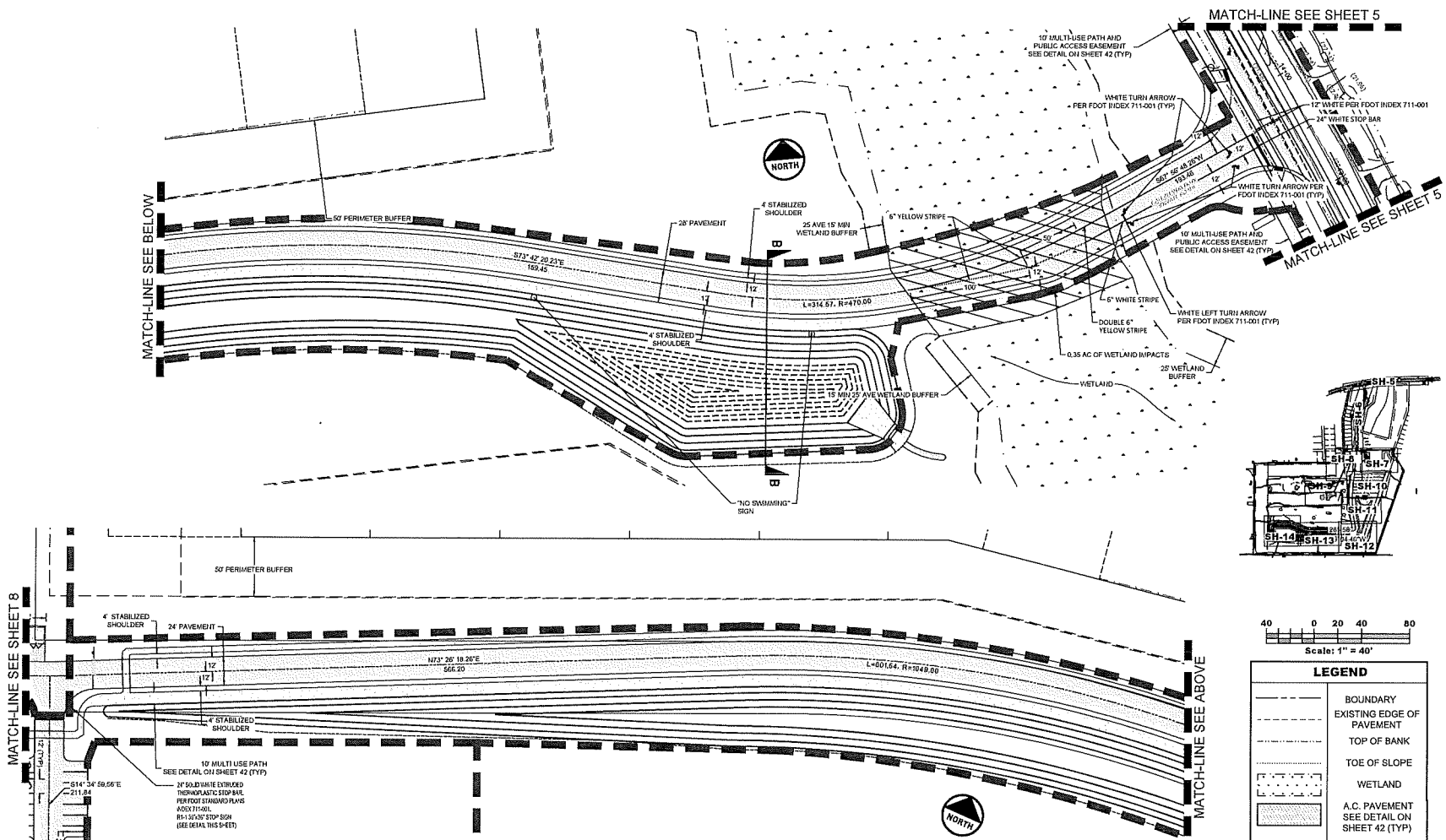
Past Anchor

10 ft

7 ft

6 ft

Elevation



Scale: 1" = 40'

LEGEND	
---	BOUNDARY
- - - -	EXISTING EDGE OF PAVEMENT
---	TOP OF BANK
---	TOE OF SLOPE
[Pattern]	WETLAND
[Pattern]	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
[Pattern]	HYDROSEED OR SOD AREA
[Pattern]	RV LOT SEE DETAIL ON SHEET 42 (TYP)
[Symbol]	NON TYPICAL RV LOT
[Symbol]	DRY FIRE HYDRANT

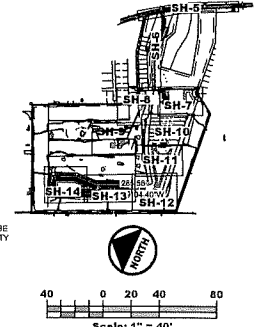
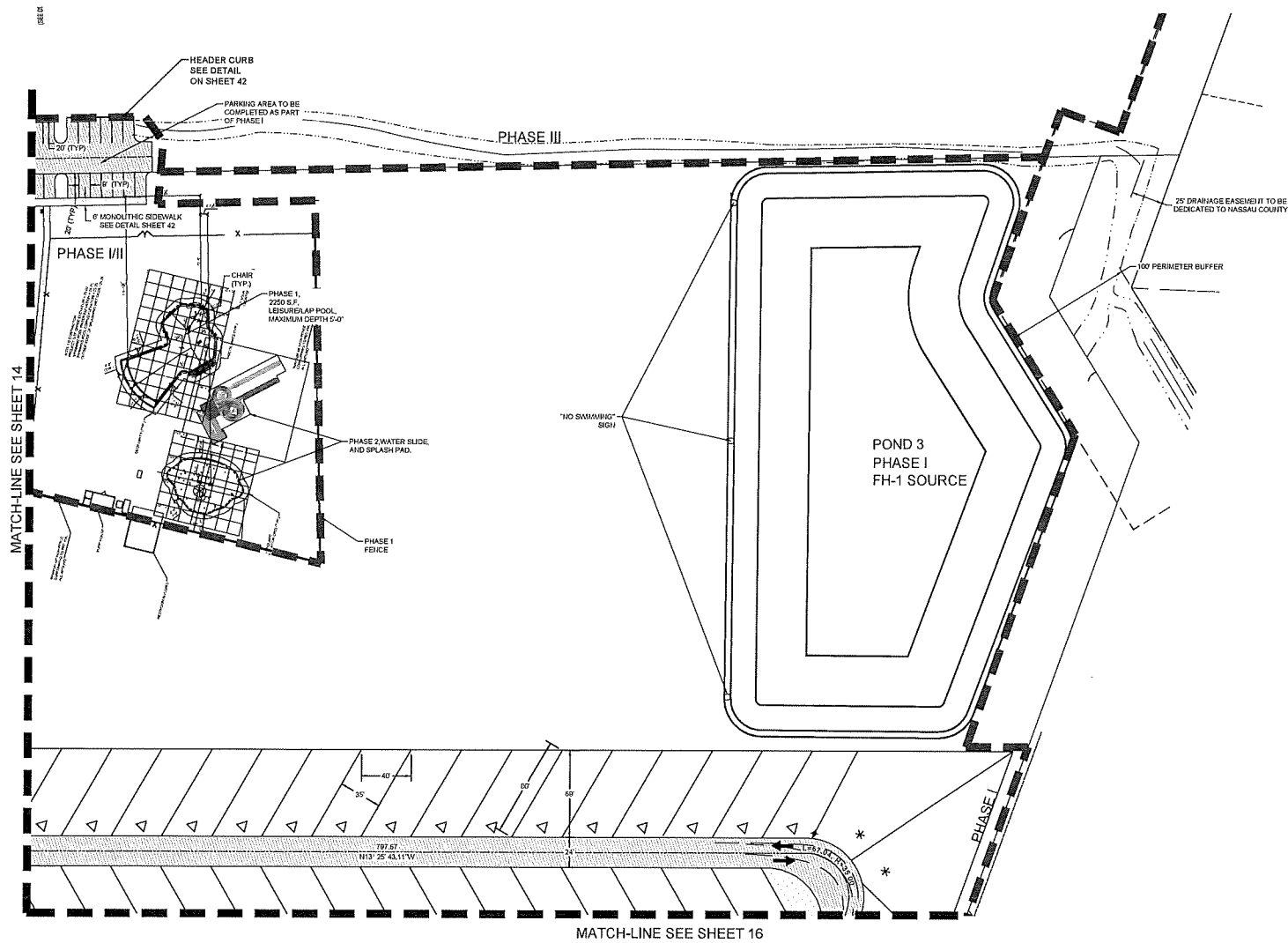
No.	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial | Residential | Marine
 Florida Certificate No. 0000061
 428 SHAWNEE DR. SUITE 1 | JACONVILLE, FL 34551
 Phone: 352-448-4425
 Fax: 352-448-4426
 Email: info@ava-engineers.com

THIS PLAN AND SPECIFICATIONS ARE THE PROPERTY OF AVA ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. THE USER OF THIS PLAN AND SPECIFICATIONS AGREES TO HOLD AVA ENGINEERS, INC. HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST AVA ENGINEERS, INC. BY ANY THIRD PARTY AS A RESULT OF THE USER'S USE OF THIS PLAN AND SPECIFICATIONS.

CALLAHAN COUNTRY RV RESORT
 Nassau County
 Florida
SITE PLAN 2

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **12**
 of 51



CONTRACTOR TO COORDINATE WITH THE OWNER AND JACKSON GEOTECHNICAL ENGINEERING FOR AREAS AND DEPTH OF REMOVAL AND REPLACEMENT OF UNSTABLE SOIL ON SITE (SEE GEOTECHNICAL REPORT).

LEGEND	
---	BOUNDARY
- - - -	EXISTING EDGE OF PAVEMENT
---	TOP OF BANK
- - - -	TOE OF SLOPE
[Pattern]	WETLAND
[Pattern]	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
[Pattern]	HYDROSEED OR SOD AREA
[Pattern]	RV LOT SEE DETAIL ON SHEET 42 (TYP)
* (circle)	NON TYPICAL RV LOT
+ FH	DRY FIRE HYDRANT

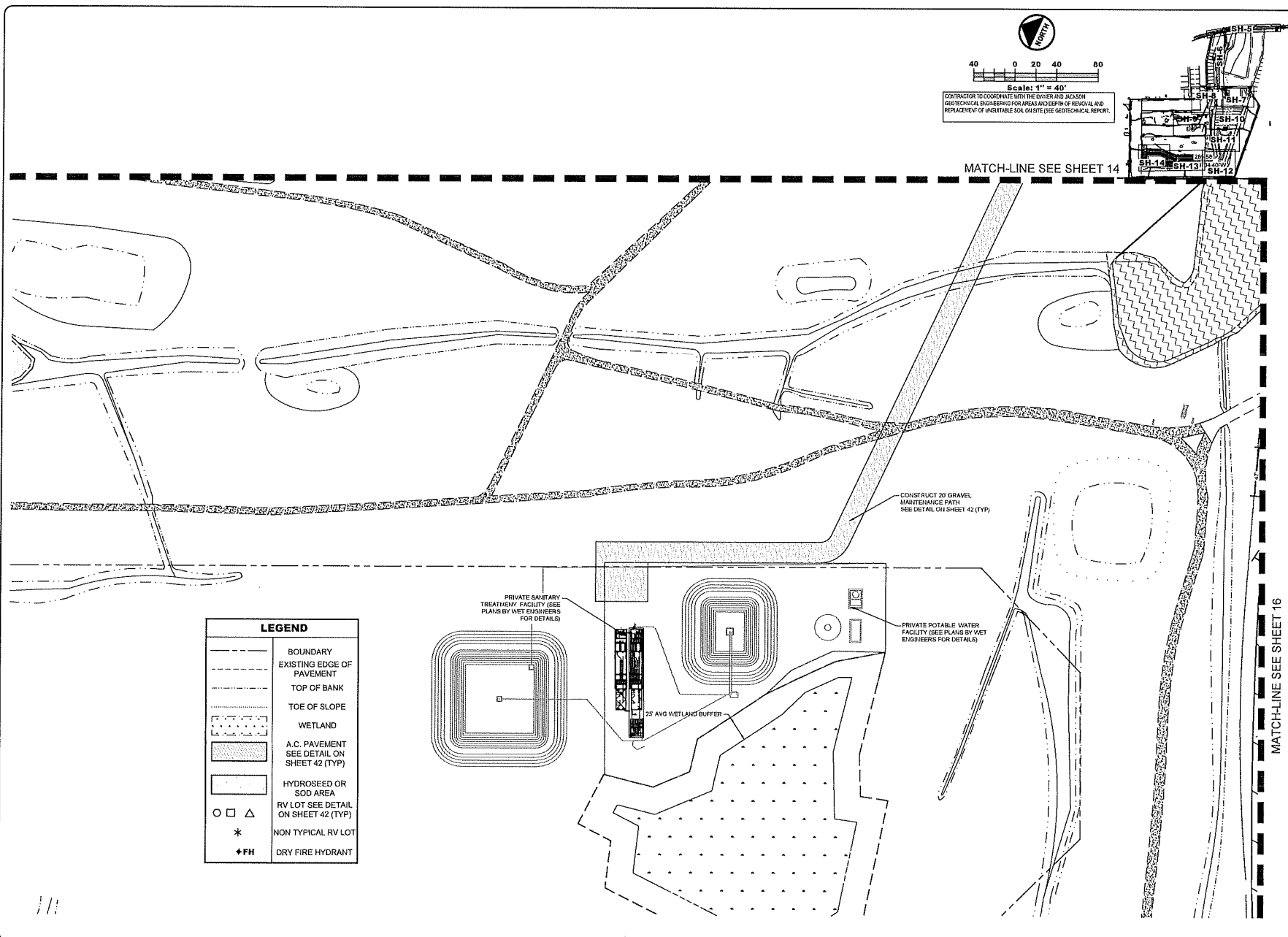
Rev	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 00008161
 425 BANGOR RD. SUITE 3 | JACKSONVILLE, FL 32201
 Phone: 904.255.5025
 Fax: 904.255.5025
 Email: info@avaengineers.com

NOT TO SCALE. THIS PLAN IS A SUMMARY OF THE INFORMATION PROVIDED BY THE CLIENT. THE CLIENT IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE SITE AND HAS FOUND THE INFORMATION TO BE REASONABLY ACCURATE. THE ENGINEER HAS NOT CONDUCTED A SURVEY OF THE SITE AND HAS NOT OBTAINED ANY SURVEY DATA. THE ENGINEER HAS NOT CONDUCTED A GEOTECHNICAL INVESTIGATION OF THE SITE AND HAS NOT OBTAINED ANY GEOTECHNICAL DATA. THE ENGINEER HAS NOT CONDUCTED A HYDROLOGICAL INVESTIGATION OF THE SITE AND HAS NOT OBTAINED ANY HYDROLOGICAL DATA. THE ENGINEER HAS NOT CONDUCTED A TRAFFIC STUDY OF THE SITE AND HAS NOT OBTAINED ANY TRAFFIC DATA. THE ENGINEER HAS NOT CONDUCTED A NOISE STUDY OF THE SITE AND HAS NOT OBTAINED ANY NOISE DATA. THE ENGINEER HAS NOT CONDUCTED A QUALITY CONTROL PROGRAM FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER HAS NOT CONDUCTED A POST-CONSTRUCTION MONITORING PROGRAM FOR THE PROJECT. THE ENGINEER HAS NOT CONDUCTED A FINAL INSPECTION OF THE PROJECT. THE ENGINEER HAS NOT CONDUCTED A FINAL REPORT FOR THE PROJECT.

CALLAHAN COUNTRY RV RESORT
SITE PLAN 3
 JACKSONVILLE, FLORIDA
 NASSAU County

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **13**
 of 51



LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOP OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT

Scale: 1" = 40'

CONTRACTOR TO COORDINATE WITH THE OWNER AND JACKSON
GEOTECHNICAL ENGINEERING FOR AREAS AND DEPTH OF REMOVAL AND
REPLACEMENT OF UNSUITABLE SOIL ON SITES (SEE GEOTECHNICAL REPORT).

MATCH-LINE SEE SHEET 14

MATCH-LINE SEE SHEET 16

DATE: 11/21

DESIGNER: CMW

JOB #: 19-027

DRAWN: CMW

SCALE: 1"=40'

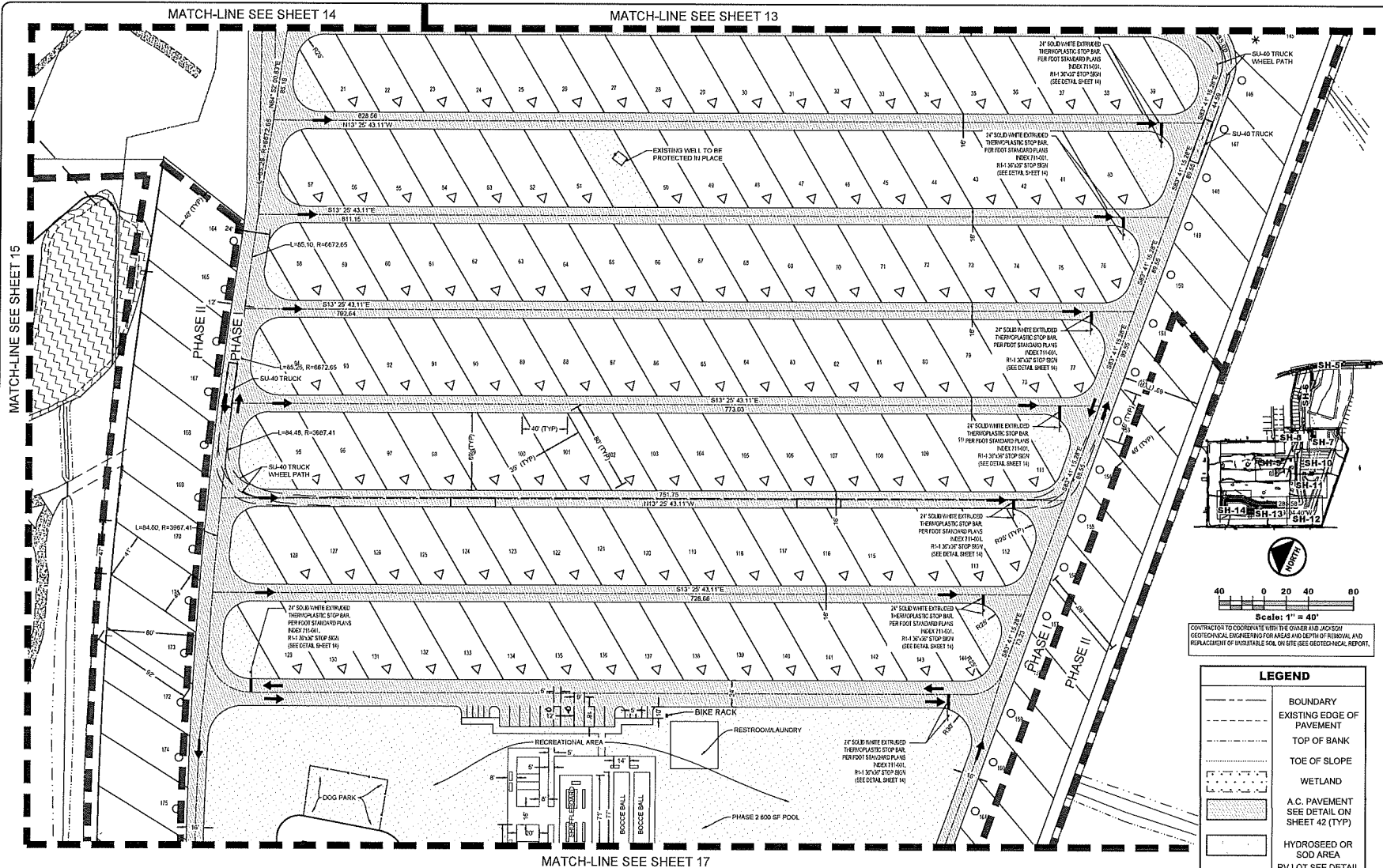
SHEET: 15 of 51

Florida

NASSAU County

SITE PLAN 5

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 4250 AVA DRIVE, SUITE 100
 JACKSONVILLE, FL 32213
 PH. 321-732-2223 | F. 321-732-2228
 WWW.AVA-INC.COM



No.	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000861
 429 S.W. 12th Ave., Suite 100
 Ft. Lauderdale, FL 33304
 Tel: (954) 522-1234 Fax: (954) 522-1235
 Email: info@avaengineers.com



AVA ENGINEERS, INC. is a professional engineering firm providing a wide range of services including civil, mechanical, electrical, and structural engineering. The firm is licensed in the state of Florida and has a long history of successful projects. The firm's services include site planning, design, and construction management. The firm is committed to providing high-quality, cost-effective solutions for its clients.



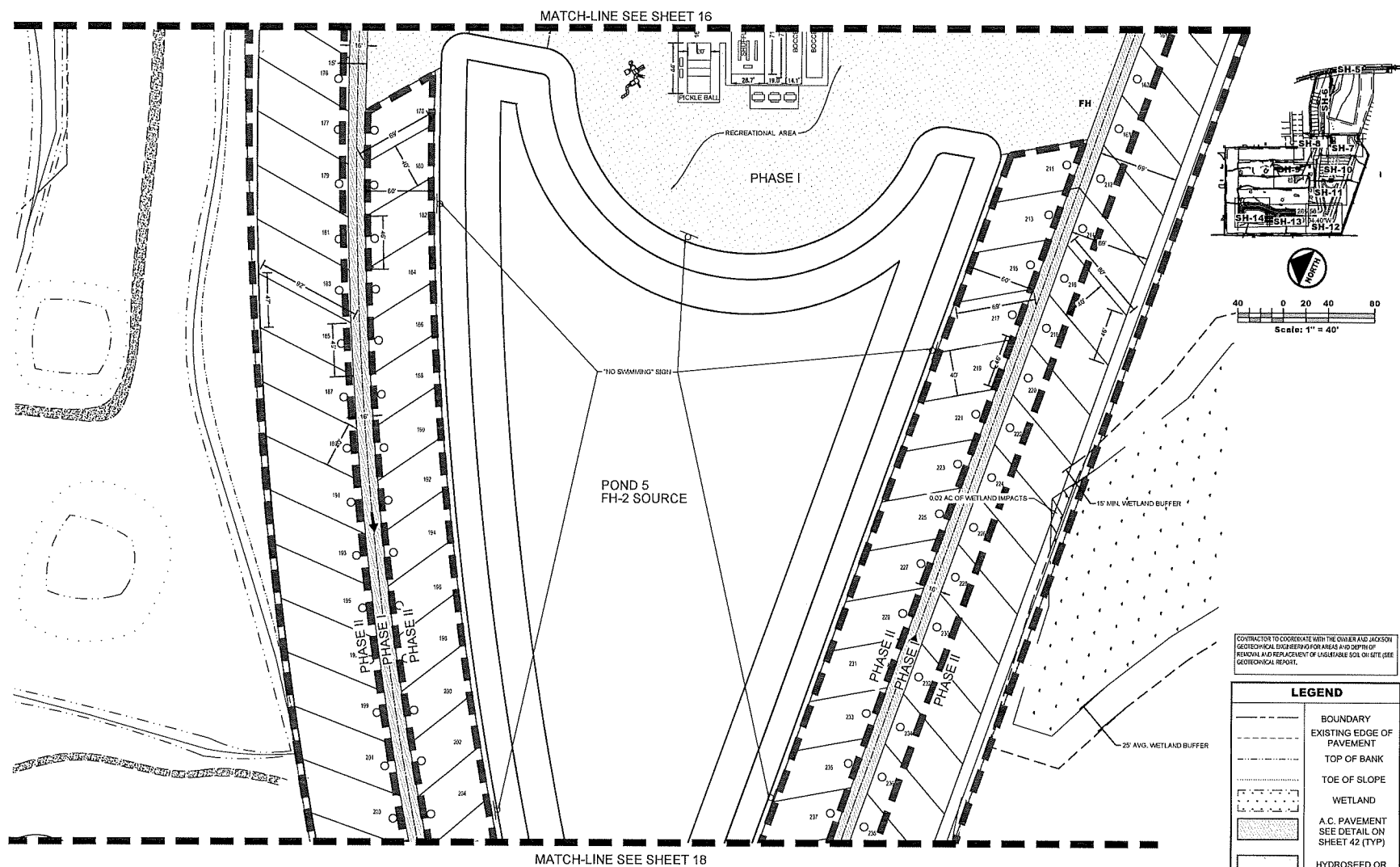
Scale: 1" = 40'

CONTRACTOR TO COORDINATE WITH THE OWNER AND JACKSON GEOTECHNICAL ENGINEERING FOR AREAS AND DEPTH OF REMOVAL AND REPLACEMENT OF UNSUITABLE SOIL ON SITE (SEE GEOTECHNICAL REPORT)

LEGEND	
---	BOUNDARY
- - - -	EXISTING EDGE OF PAVEMENT
- - - -	TOP OF BANK
- - - -	TOE OF SLOPE
▨	WETLAND
▨	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
▨	HYDROSEED OR SOD AREA
○ □ △	RV LOT SEE DETAIL ON SHEET 42 (TYP)
*	NON TYPICAL RV LOT
◆ FH	DRY FIRE HYDRANT

CALLAHAN COUNTRY RV RESORT
SITE PLAN 6
 Nassau County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **16**
 of 51



No	Revisions	By
Δ		
Δ		
Δ		
Δ		

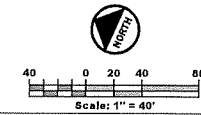
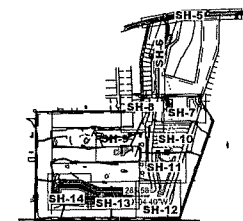
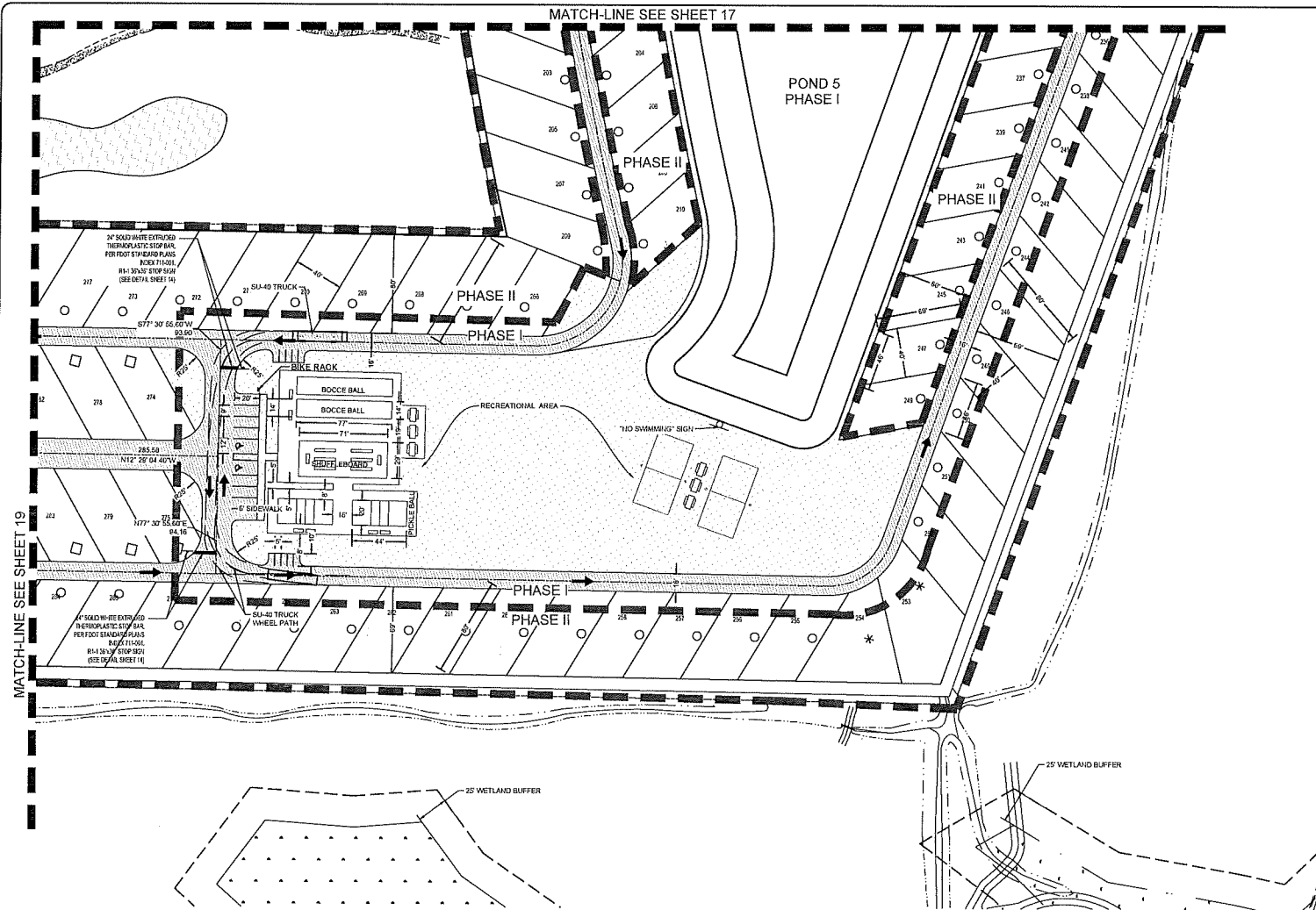
[illegible]

CALLAHAN COUNTRY RV RESORT

SITE PLAN 7

NASSAU County Florida

Date: 11/21
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale: 1"=40'
Sheet: 17 of 51



CONTRACTOR TO COORDINATE WITH THE OWNER AND JACKSON GEOTECHNICAL ENGINEERING FOR AREAS AND DEPTHS OF REMOVAL AND REPLACEMENT OF UNSATURABLE SOIL ON SITE (SEE GEOTECHNICAL REPORT).

LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT

No.	Revisions	By
1		
2		
3		
4		

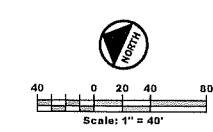
AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000861
 4325 Sandhill Road, Suite 101, Jacksonville, FL 32217
 Tel: 904.752.2222 Fax: 904.752.2225
 www.avaengineers.com

NOTES: 1. THIS PLAN WAS PREPARED BY THE ENGINEER AND IS BASED ON THE INFORMATION PROVIDED BY THE CLIENT. 2. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE SITE AND HAS FOUND NO OBVIOUS DISCREPANCIES BETWEEN THE PLAN AND THE ACTUAL SITE CONDITIONS. 3. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE SITE AND HAS FOUND NO OBVIOUS DISCREPANCIES BETWEEN THE PLAN AND THE ACTUAL SITE CONDITIONS. 4. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE SITE AND HAS FOUND NO OBVIOUS DISCREPANCIES BETWEEN THE PLAN AND THE ACTUAL SITE CONDITIONS. 5. THE ENGINEER HAS CONDUCTED A VISUAL INSPECTION OF THE SITE AND HAS FOUND NO OBVIOUS DISCREPANCIES BETWEEN THE PLAN AND THE ACTUAL SITE CONDITIONS.

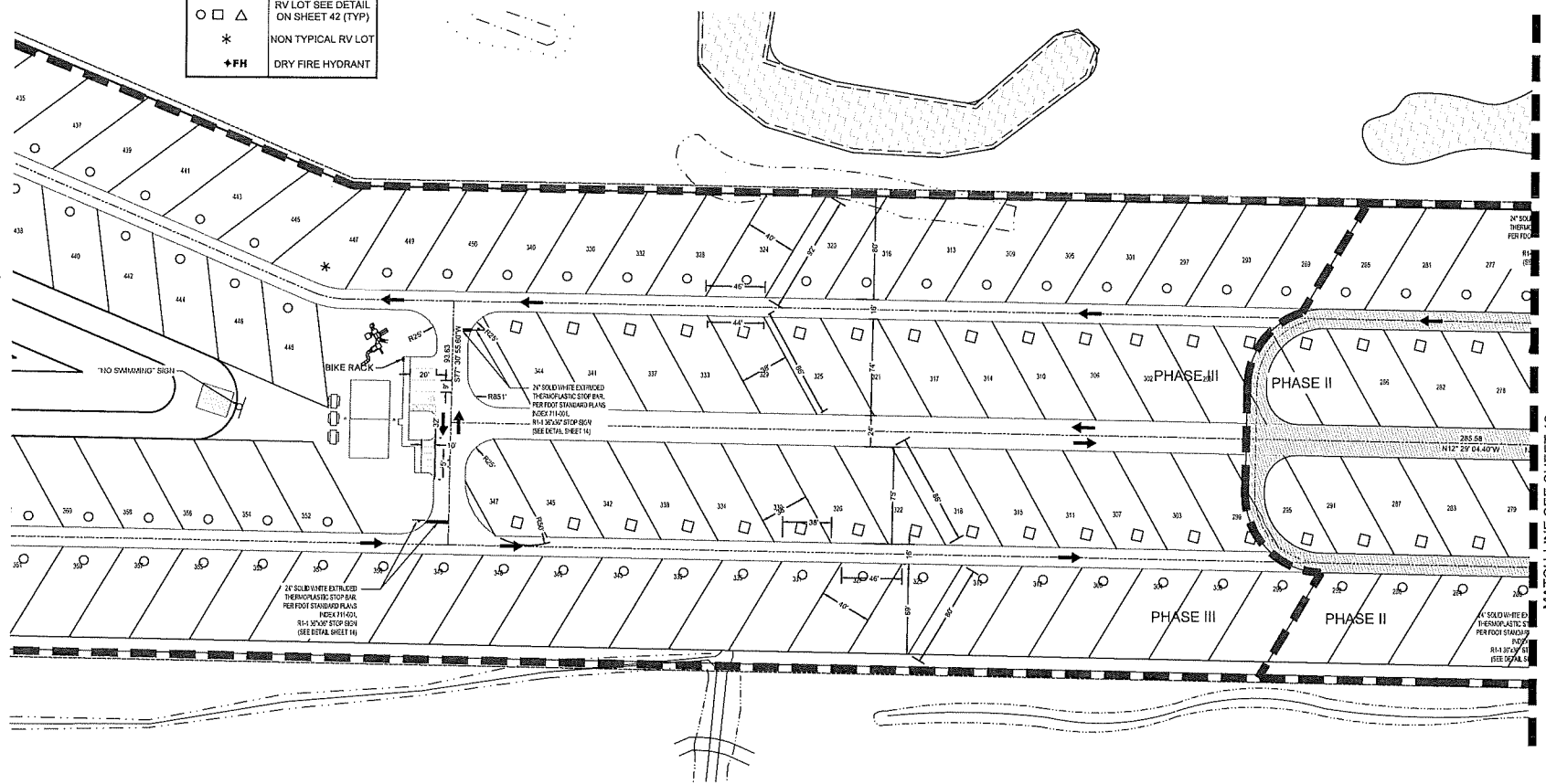
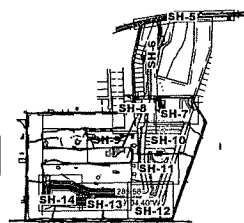
CALLAHAN COUNTRY RV RESORT
SITE PLAN 8
 NASSAU County
 Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **18**
 of 51

LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOIL AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT



CONTRACTOR TO COORDINATE WITH THE OWNER AND JACKSON GEOTECHNICAL ENGINEERING FOR AREAS AND DEPTH OF REMOVAL AND REPLACEMENT OF UNSUITABLE SOIL ON SITE (SEE GEOTECHNICAL REPORT).



Rev	Revisions	By
1		
2		
3		
4		

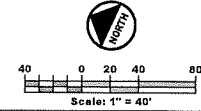
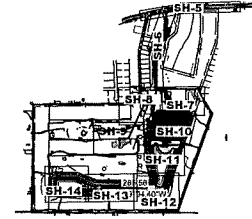
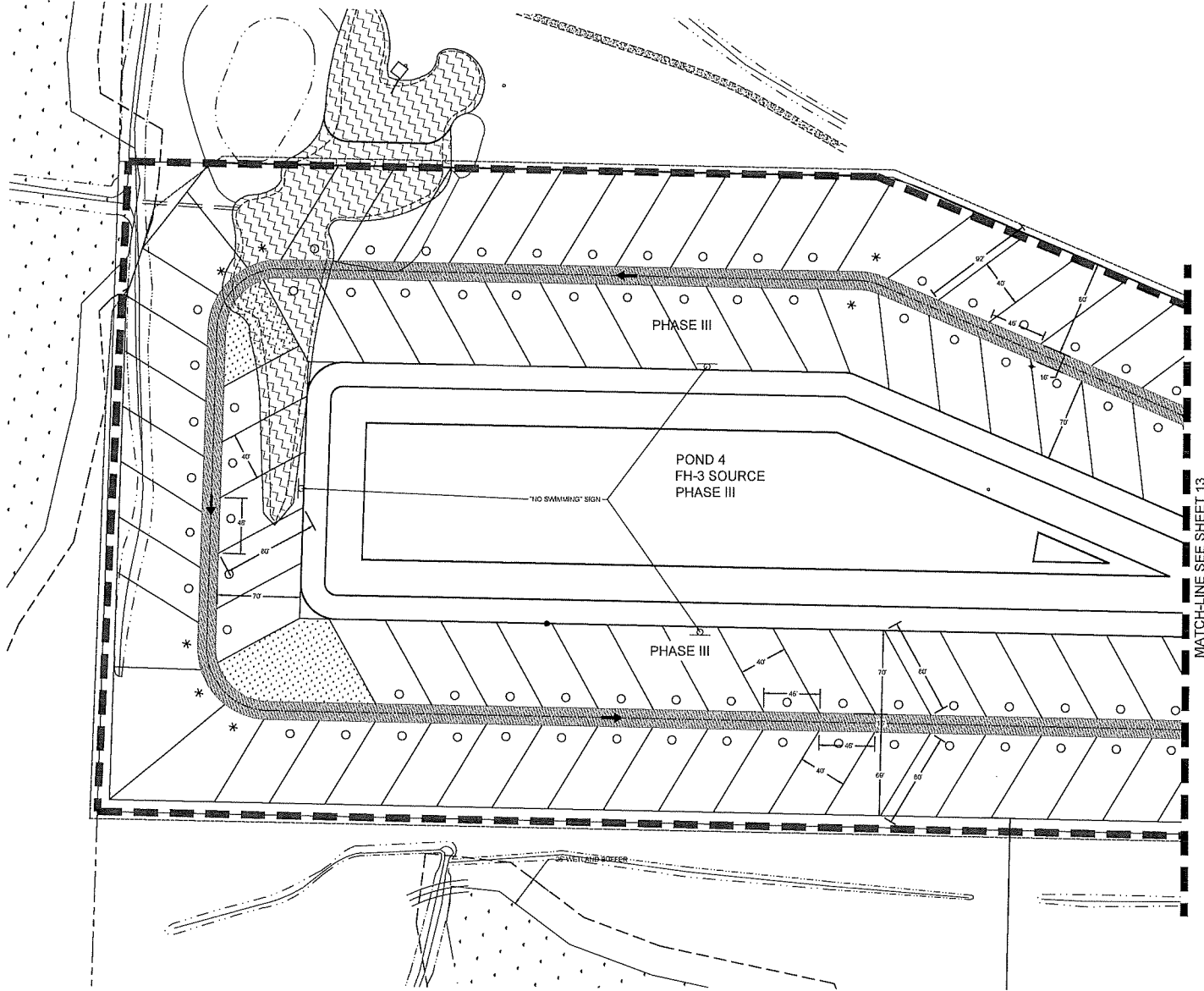
AVA ENGINEERS, INC.
 Commercial | Residential | Marine
 Florida Certificate No. 0000861
 429 SHADLOWOOD DRIVE, JACKSONVILLE, FL 32209
 P.O. BOX 10000, JACKSONVILLE, FL 32209
 904.731.1000



NOTES: THE OWNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA PROVIDED TO THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DESIGN. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE CONSTRUCTION. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE MAINTENANCE. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REPAIRS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REPLACEMENTS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REMOVALS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE RECONSTRUCTION. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REPAIRS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REPLACEMENTS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE REMOVALS. THE ENGINEER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE RECONSTRUCTION.

CALLAHAN COUNTRY RV RESORT
 Florida
SITE PLAN 9
 NASSAU County

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **19**
 of 51



CONTRACTOR TO COORDINATE WITH THE OWNER AND JACKSON
GEOTECHNICAL ENGINEERING FOR AREAS AND DEPTHS OF REMOVAL AND
REPLACEMENT OF LIQUIDABLE SOIL ON SITE (SEE GEOTECHNICAL REPORT)

LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT

Rev	Revisions	By
1		
2		
3		
4		

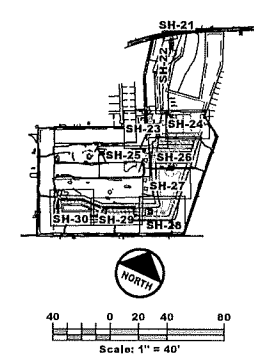
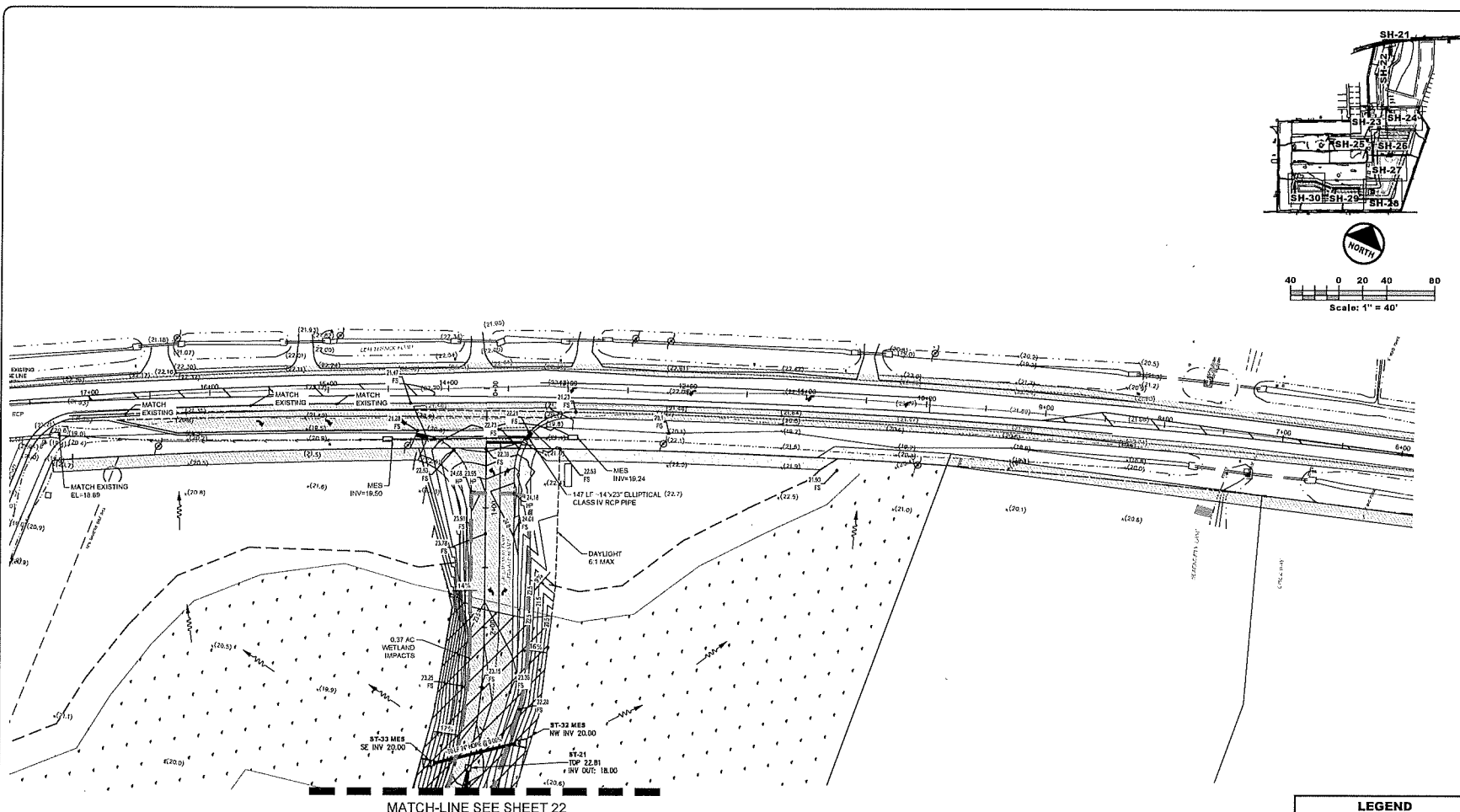
AVA ENGINEERS, INC.
Commercial | Residential | Marine
Florida Certificate No. 00008161
435 Bayshore Drive, Suite 100
Fort Lauderdale, FL 33304
Tel: (954) 733-2020 | Fax: (954) 733-2021
www.avaengineers.com



AVA ENGINEERS, INC. IS AN EQUAL OPPORTUNITY FIRM. WE DO NOT DISCRIMINATE ON THE BASIS OF RACE, GENDER, RELIGION, NATIONAL ORIGIN, ANCESTRY, COLOR, SEX, SEXUAL ORIENTATION, MARITAL STATUS, AGE, OR DISABILITY. IF YOU ARE AN INDIVIDUAL WITH A DISABILITY AND ARE HAVING DIFFICULTY ACCESSING OUR WEBSITE, PLEASE CONTACT US AT (954) 733-2020. WE WILL MAKE REASONABLE ACCOMMODATIONS AVAILABLE TO YOU.

CALLAHAN COUNTRY RV RESORT
SITE PLAN 10
NASSAU COUNTY
Florida

Date: 11/21
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale: 1"=40'
Sheet: **20**
of 51



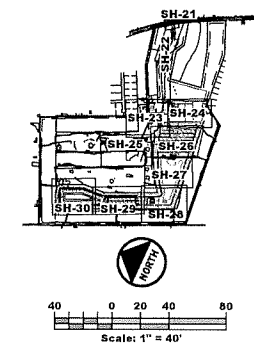
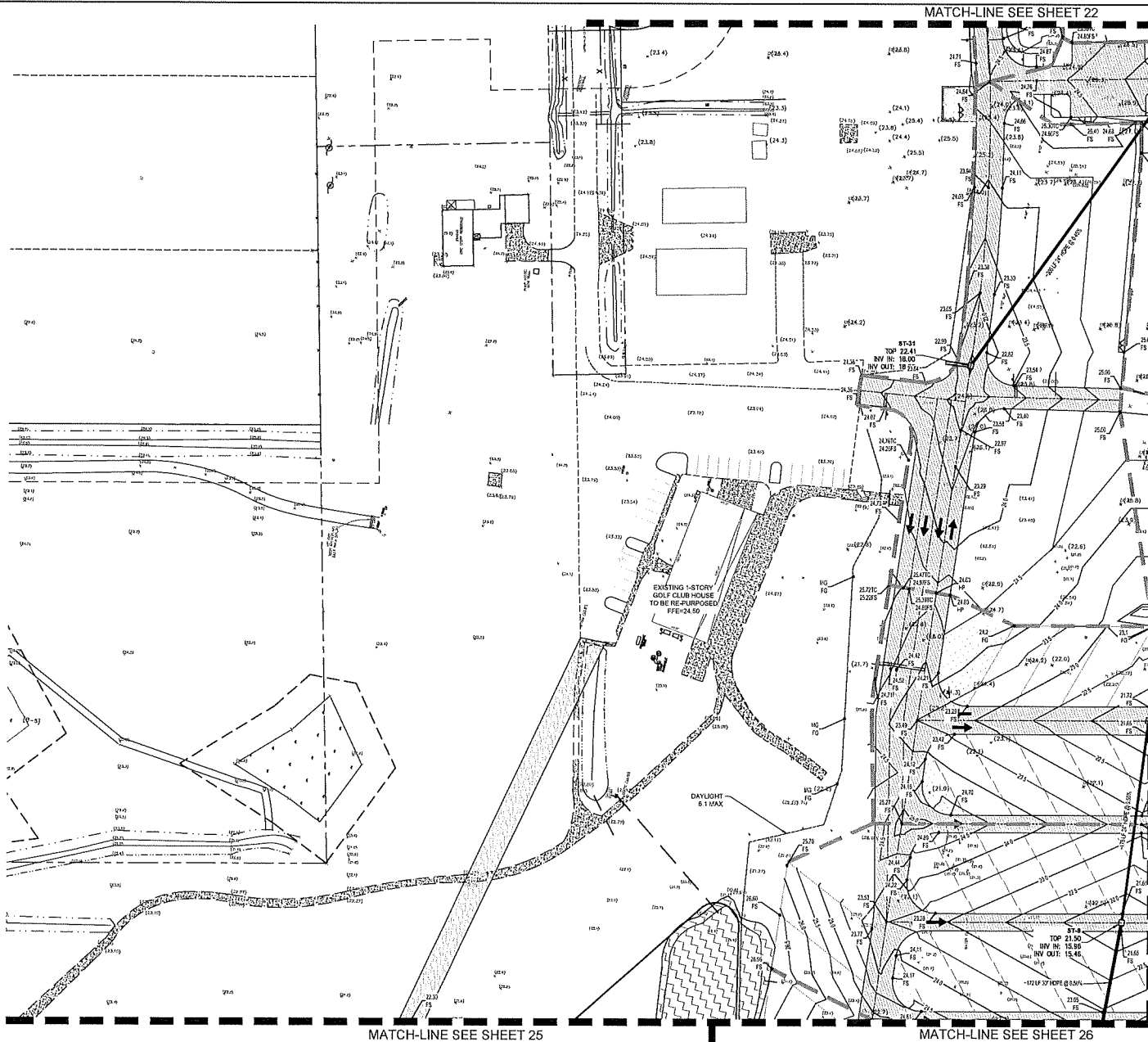
LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT

No.	Revision	By

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 00008061
 435 BAYVIEW BLVD., SUITE 100, MIAMI BEACH, FL 33139
 Tel: 305.358.2272 Fax: 305.358.2273
 www.avaengineers.com

CALLAHAN COUNTRY RV RESORT
GRADING PLAN 1
 Nassau County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **21**
 of 51



LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT

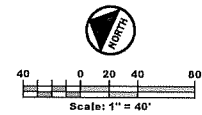
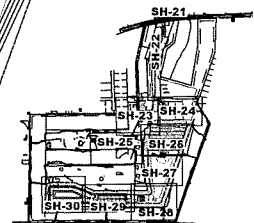
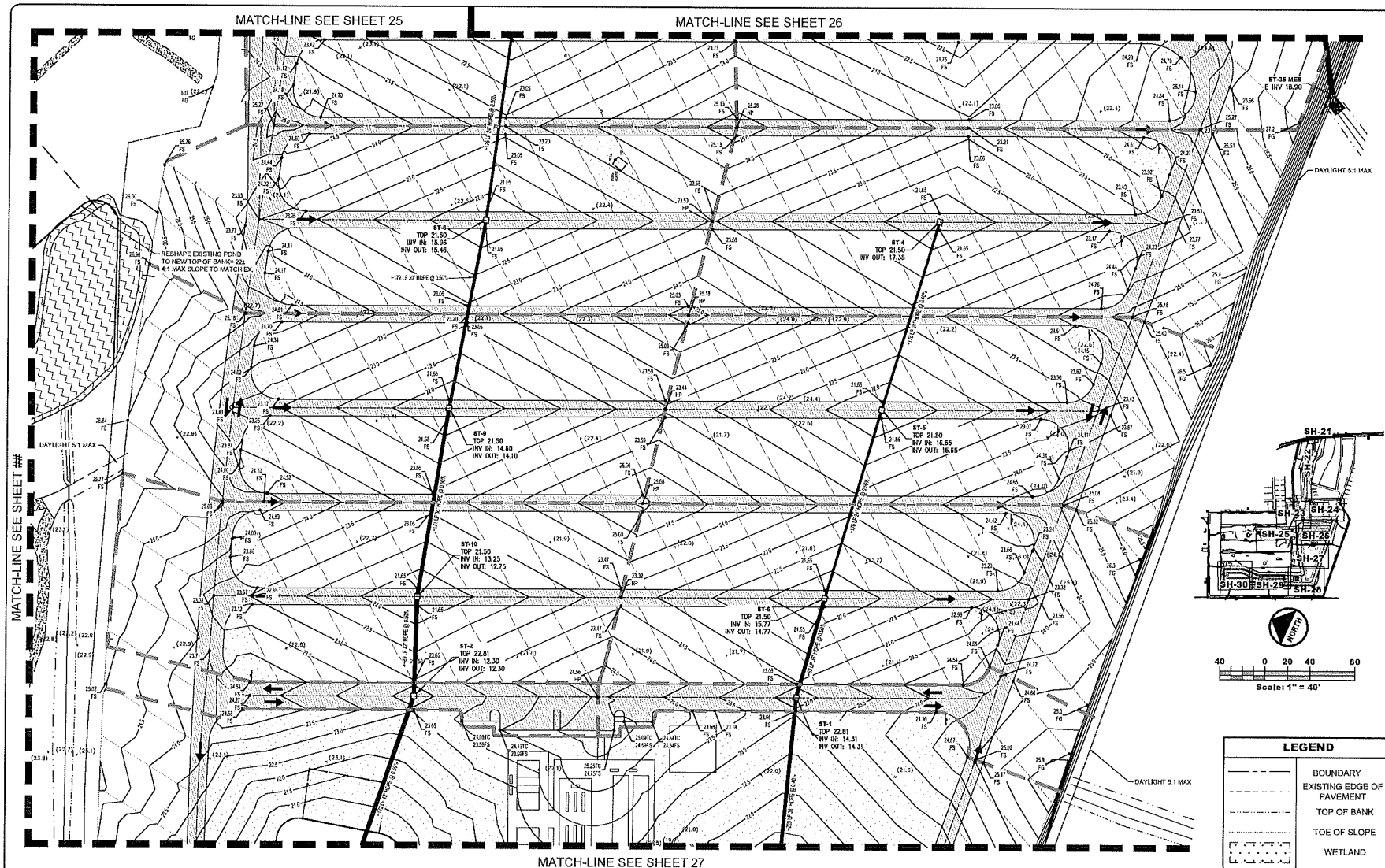
Rev	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000861
 425 BAYSHORE BLVD. SUITE 200 | JACKSONVILLE, FL 32209
 P: 904.731.1234 | F: 904.731.1235
 A: 904.731.1236 | E: info@avaengineers.com

NOTES:
 1. ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 2. THE GRADING PLAN IS BASED ON THE SURVEY DATA PROVIDED BY THE CLIENT.
 3. THE GRADING PLAN IS SUBJECT TO THE APPROVAL OF THE LOCAL AGENCIES.
 4. THE GRADING PLAN IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL OF THE ENGINEER.
 5. THE GRADING PLAN IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

CALLAHAN COUNTRY RV RESORT
GRADING PLAN 3
 Nassau County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **23**
 of 51



LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT

No.	Revisions	By
1		
2		
3		
4		

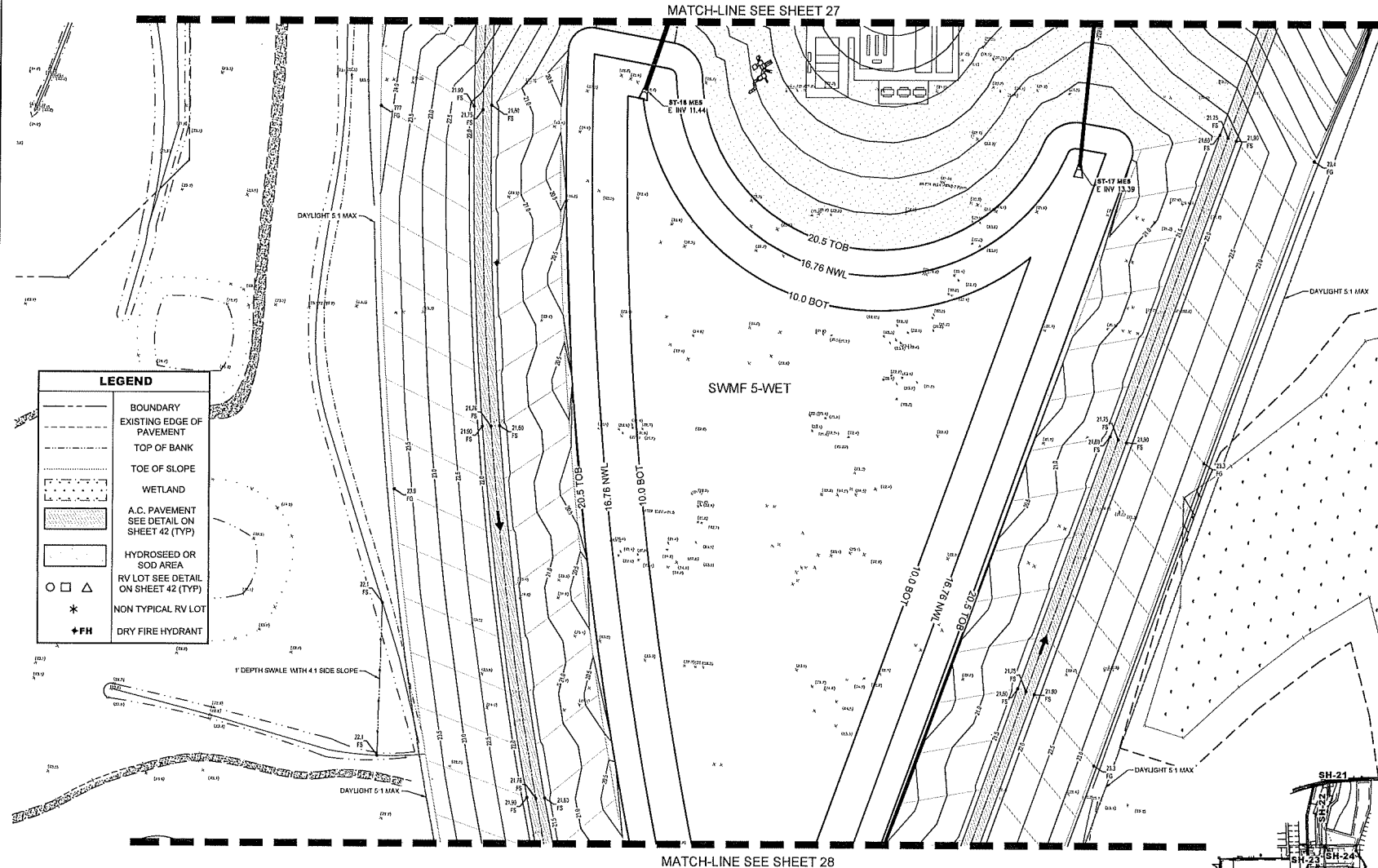
AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000661
 425 BROADWAY, SUITE 211, JACKSONVILLE, FLORIDA 32202
 P. 904.766.8800
 F. 904.766.8801
 E. info@avaengineers.com

CALLAHAN COUNTRY RV RESORT
 Nassau County, Florida

GRADING PLAN 6

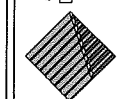
Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'

Sheet: **26**
 of 51



No.	Revisions	By
1		
2		
3		
4		

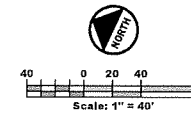
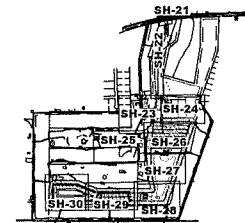
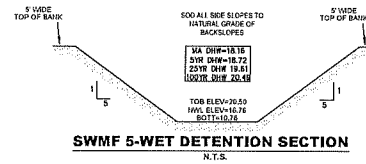
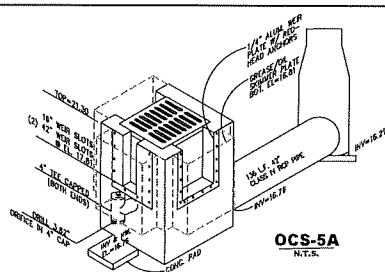
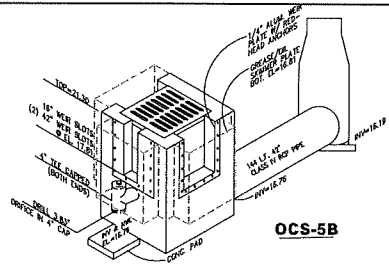
AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000861
 435 S.W. 72nd Ave., Suite 100
 Ft. Lauderdale, FL 33309
 Phone: (954) 333-1200
 Fax: (954) 333-1201
 Email: info@avaengineers.com



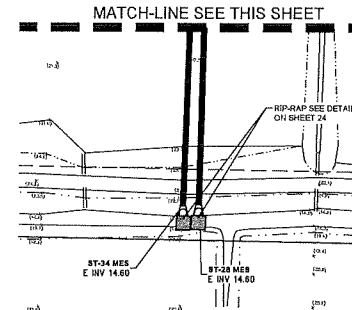
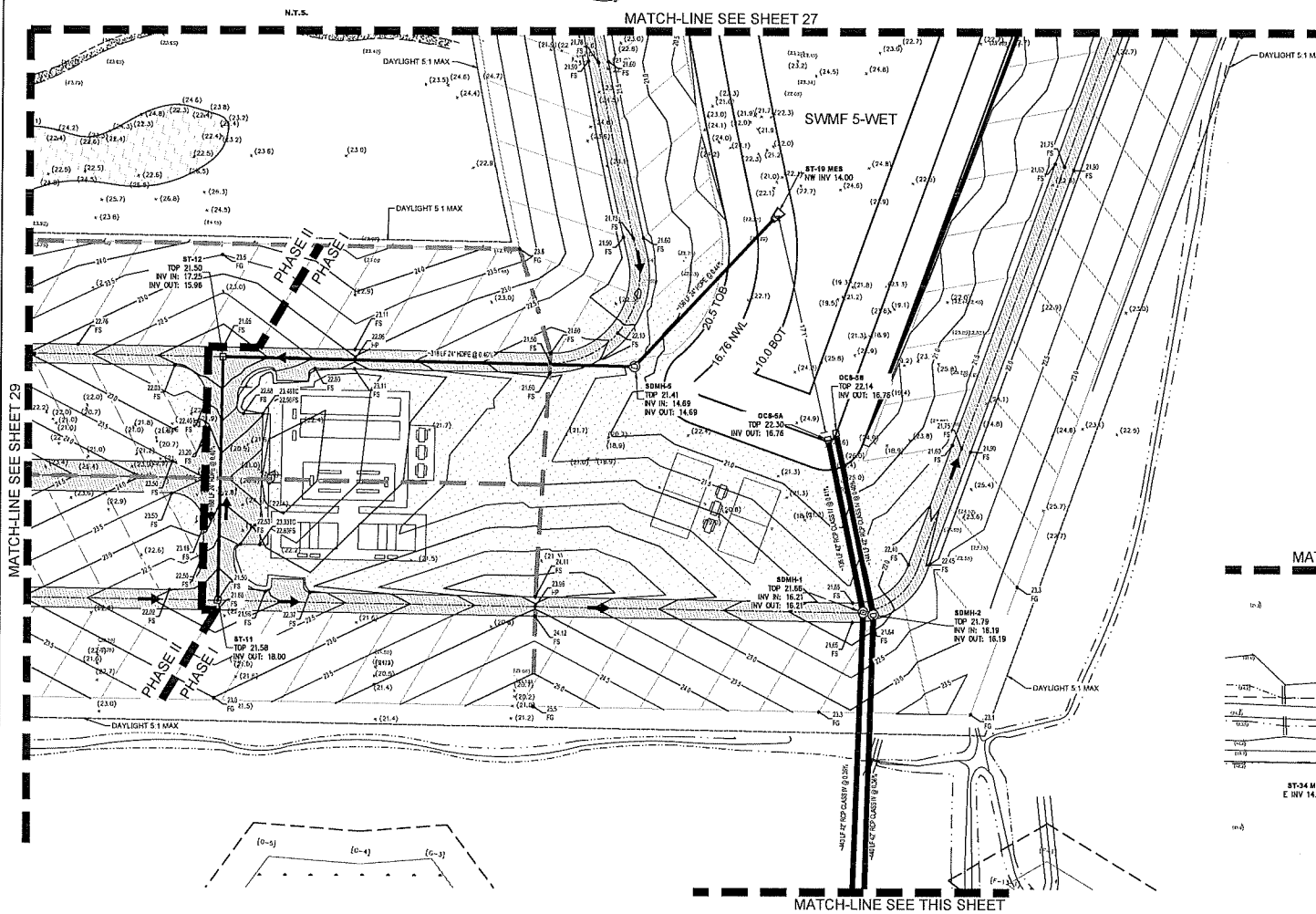
DATE: 11/11/21
 DRAWN: CMW
 CHECKED: CMW
 DESIGNED: CMW
 PROJECT: CALLAHAN COUNTRY RV RESORT
 SHEET: 27 OF 51
 SCALE: 1" = 40'

CALLAHAN COUNTRY RV RESORT
GRADING PLAN 7
 NASSAU County
 Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **27**
 of 51



LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT



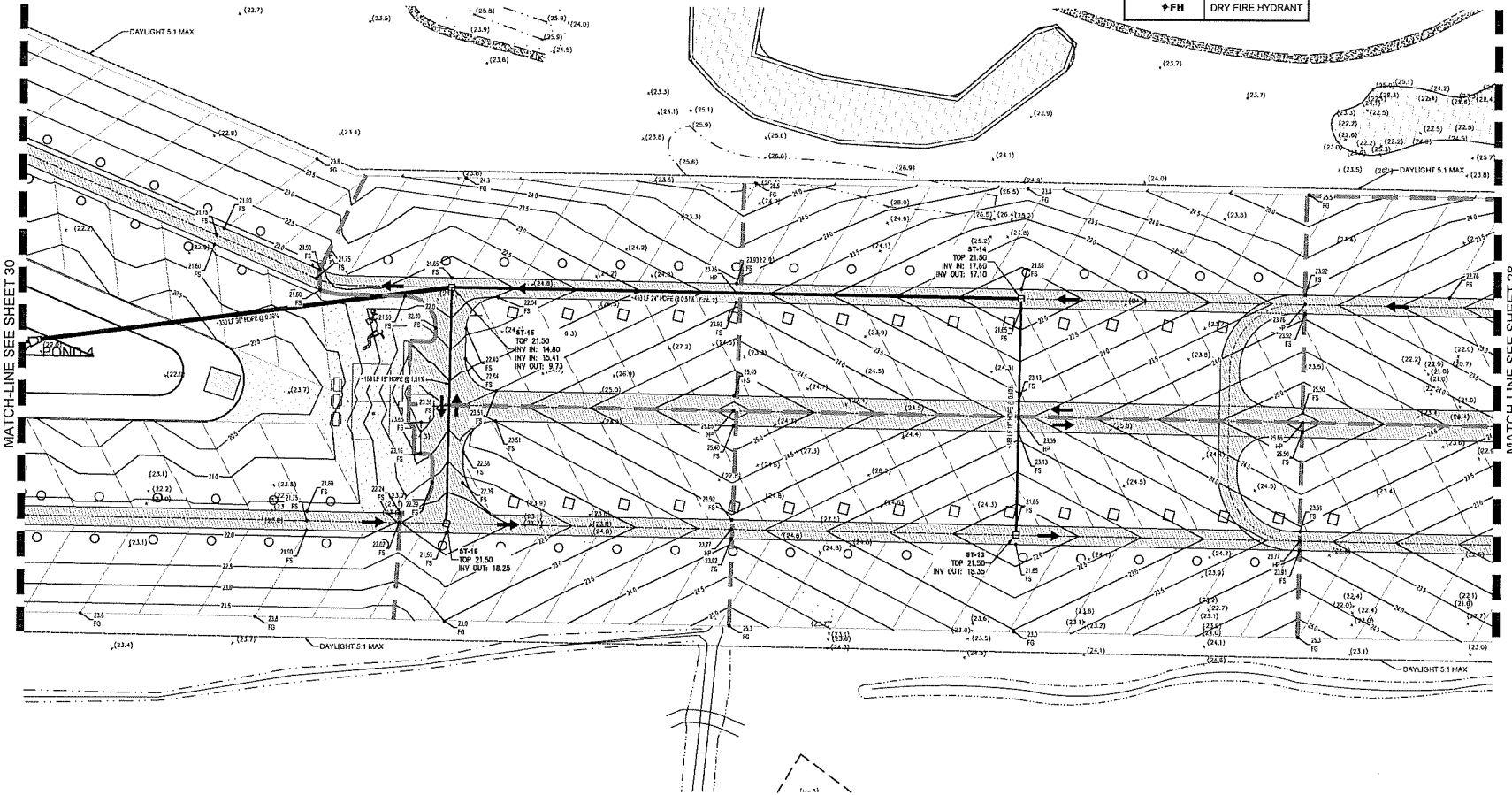
No.	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
Commercial / Residential / Marine
Florida Certificate No. 00000161
4309 BAYVIEW BLVD. SUITE 200
FORT MYERS, FL 33905
Tel: 888-888-8888

AVA ENGINEERS, INC. is a professional engineering firm providing services in the fields of civil, mechanical, electrical, and structural engineering. The firm is licensed in the state of Florida and is a member of the Florida Engineering Council. The firm's services include design, construction management, and engineering consulting. The firm is located at 4309 Bayview Blvd., Suite 200, Fort Myers, FL 33905. The firm's telephone number is 888-888-8888.

CALLAHAN COUNTRY RV RESORT
GRADING PLAN 8
NASSAU County
Florida

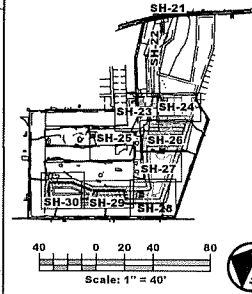
Date: 11/21
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale: 1"=40'
Sheet: **28**
of 51



MATCH-LINE SEE SHEET 30

MATCH-LINE SEE SHEET 28

LEGEND	
	BOUNDARY
	EXISTING EDGE OF PAVEMENT
	TOP OF BANK
	TOE OF SLOPE
	WETLAND
	A.C. PAVEMENT SEE DETAIL ON SHEET 42 (TYP)
	HYDROSEED OR SOD AREA
	RV LOT SEE DETAIL ON SHEET 42 (TYP)
	NON TYPICAL RV LOT
	DRY FIRE HYDRANT



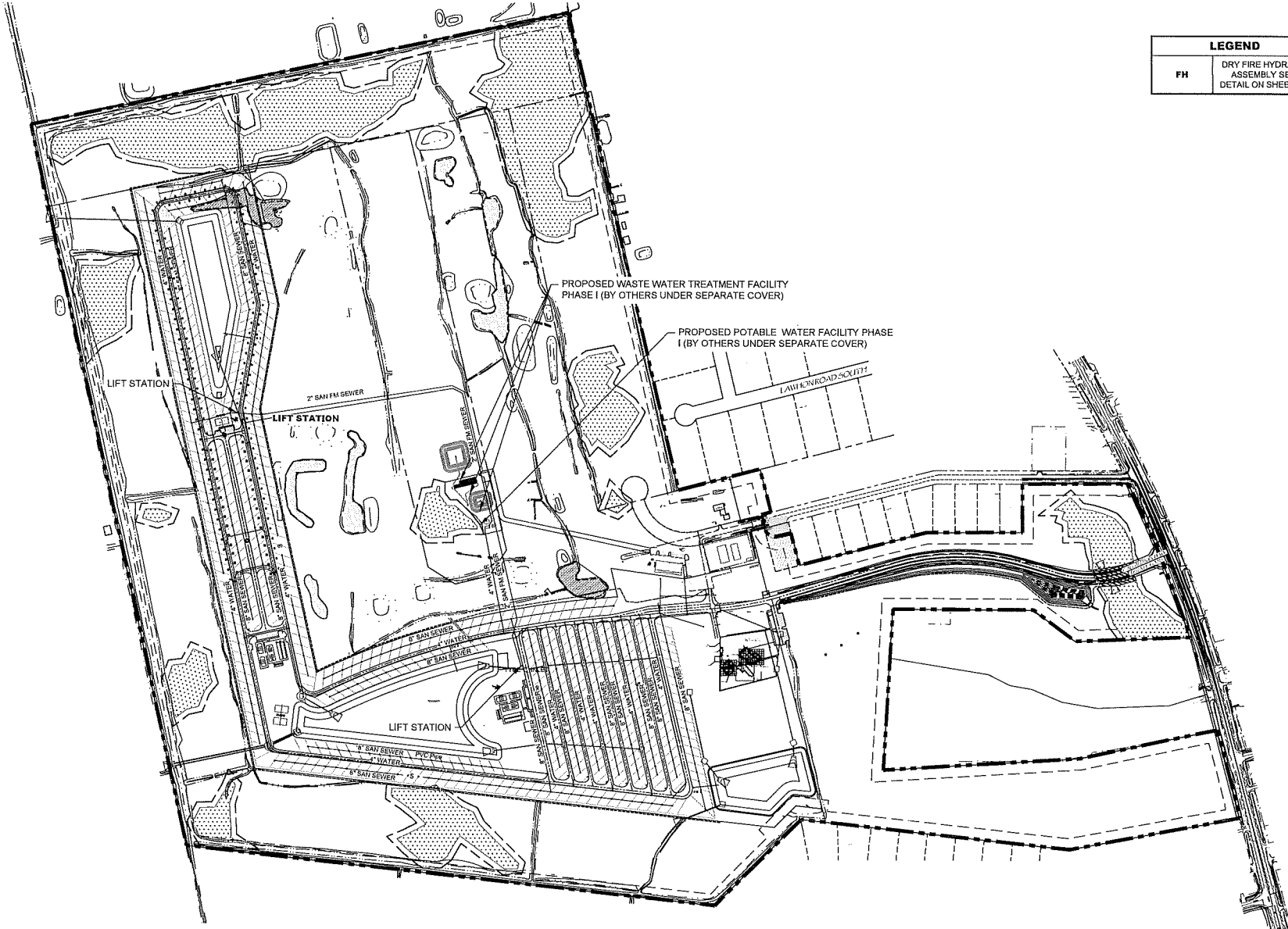
No.	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 00006661
 429 S. BAYVIEW BLVD. SUITE 101 | JACONVILLE, FL 32857
 P: 407.681.1234 | F: 407.681.1235
 A: 407.681.1236 | E: info@avaengineers.com

NOTES: 1. THE GRADING PLAN IS BASED ON THE SURVEY DATA PROVIDED BY THE CLIENT. 2. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 3. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 4. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 5. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 6. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 7. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 8. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 9. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER. 10. THE GRADING PLAN IS BASED ON THE ASSUMPTIONS MADE BY THE ENGINEER.

CALLAHAN COUNTRY RV RESORT
GRADING PLAN 9
 Nassau County
 Florida

Date:	11/21
Designer:	CMW
Job #:	19-027
Drawn:	CMW
Scale:	1"=40'
Sheet:	29 of 51



LEGEND	
FH	DRY FIRE HYDRANT ASSEMBLY SEE DETAIL ON SHEET 45

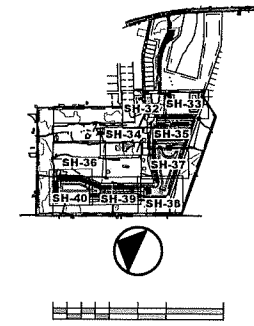
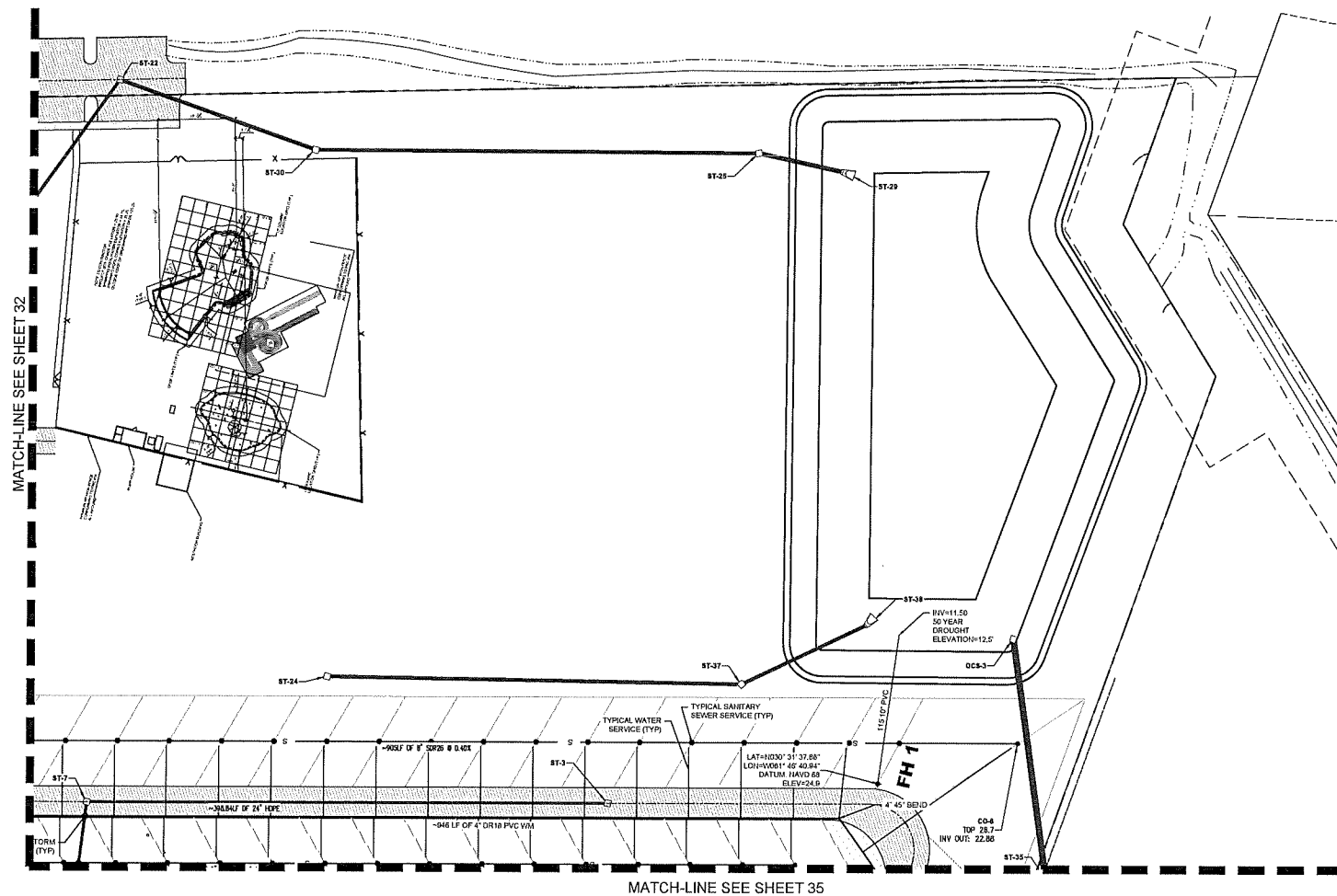
Rev	Revisions	By
1		
2		
3		
4		
5		

AVA ENGINEERS, INC.
 Commercial | Residential | Marine
 Florida Certificate No. 00008561
 4250 W. 12th Street | Ft. Lauderdale, FL 33309
 Phone: 954.333.1111 | Fax: 954.333.1112
 Email: info@avaengineers.com

THIS PLAN IS THE PROPERTY OF AVA ENGINEERS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS PLAN IS STRICTLY PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

CALLAHAN COUNTRY RV RESORT
OVERALL UTILITY PLAN
 NASSAU County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **31**
 of 51



LEGEND	
FH	DRY FIRE HYDRANT ASSEMBLY SEE DETAIL ON SHEET 45

Rev	By
1	
2	
3	
4	

AVA ENGINEERS, INC.
 Commercial | Residential | Marine
 Florida Certificate No. 0008961
 4200 W. US HWY 1, SUITE 200
 FORT LAUDERDALE, FL 33309



THIS PLAN AND SPECIFICATIONS ARE THE PROPERTY OF AVA ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. ANY REUSE OR MODIFICATION OF THIS PLAN WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. IS STRICTLY PROHIBITED. THE USER ASSUMES ALL LIABILITY FOR ANY ERRORS OR OMISSIONS IN THIS PLAN AND SPECIFICATIONS. AVA ENGINEERS, INC. DOES NOT WARRANT THE ACCURACY OR COMPLETENESS OF THIS PLAN AND SPECIFICATIONS. AVA ENGINEERS, INC. IS NOT RESPONSIBLE FOR ANY CONSEQUENCES ARISING FROM THE USE OF THIS PLAN AND SPECIFICATIONS.

CALLAHAN COUNTRY RV RESORT
UTILITY PLAN 3
 Nassau County
 Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'

Sheet: **33**
 of 51

MATCH LINE SEE SHEET 36

1"=40' P.P.C.W.

2" 45° BEND

4" 45° BEND

100 LF OF 4" OR 6" P.P.C.W.

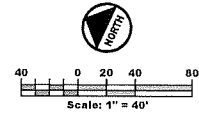
2" 45° BEND

100 LF OF 4" P.P.C.W.

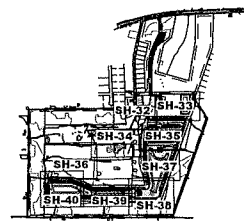
4" 45° BEND

100 LF OF 4" OR 6" P.P.C.W.

MATCH LINE SEE SHEET 32



LEGEND	
FH	DRY FIRE HYDRANT ASSEMBLY SEE DETAIL ON SHEET 45



MATCH LINE SEE SHEET 37

No.	Revisions	By
1		
2		
3		

AVA ENGINEERS, INC.
Commercial | Residential | Marine
Florida Certificate No. 00008161
4330 BAYVIEW BLVD., SUITE 100
FORT MYERS, FL 33907
Phone: 888-232-2622 Fax: 888-232-2623
www.avaengineers.com



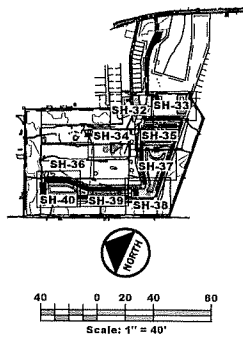
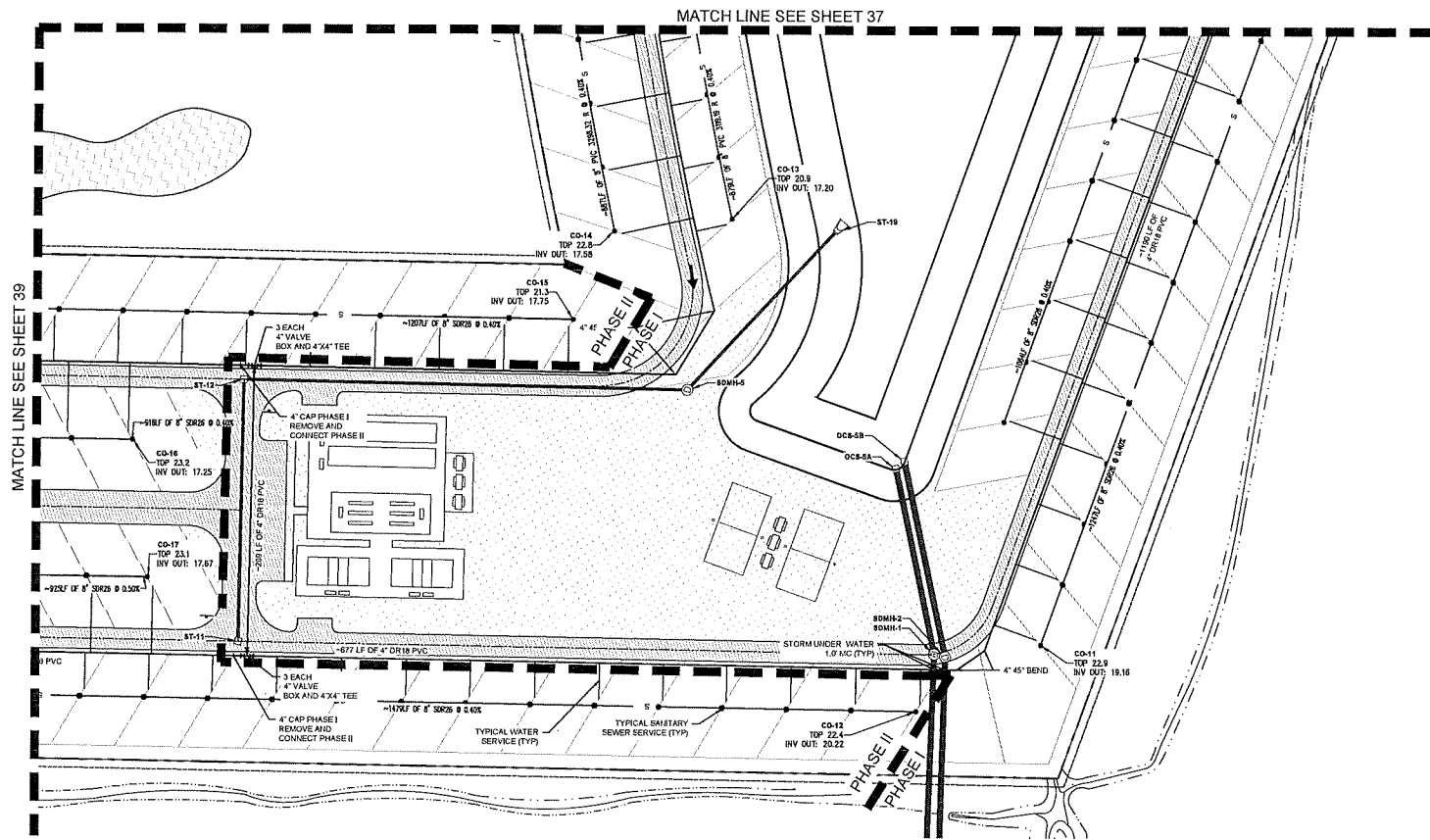
NOTES: THE DRAWING SHALL BE CONSIDERED AS A PRELIMINARY DESIGN. THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE DRAWING IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE UTILITY SYSTEM. THE CLIENT SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF THE UTILITY SYSTEM.

CALLAHAN COUNTRY RV RESORT

UTILITY PLAN 4

NASSAU County Florida

Date:	11/21
Designer:	CMW
Job #:	19-027
Drawn:	CMW
Scale:	1"=40'
Sheet:	34 of 51



LEGEND	
FH	DRY FIRE HYDRANT ASSEMBLY SEE DETAIL ON SHEET 45

MATCH LINE SEE SHEET 39

MATCH LINE SEE SHEET 37

No.	Revisions	By
1		
2		
3		
4		

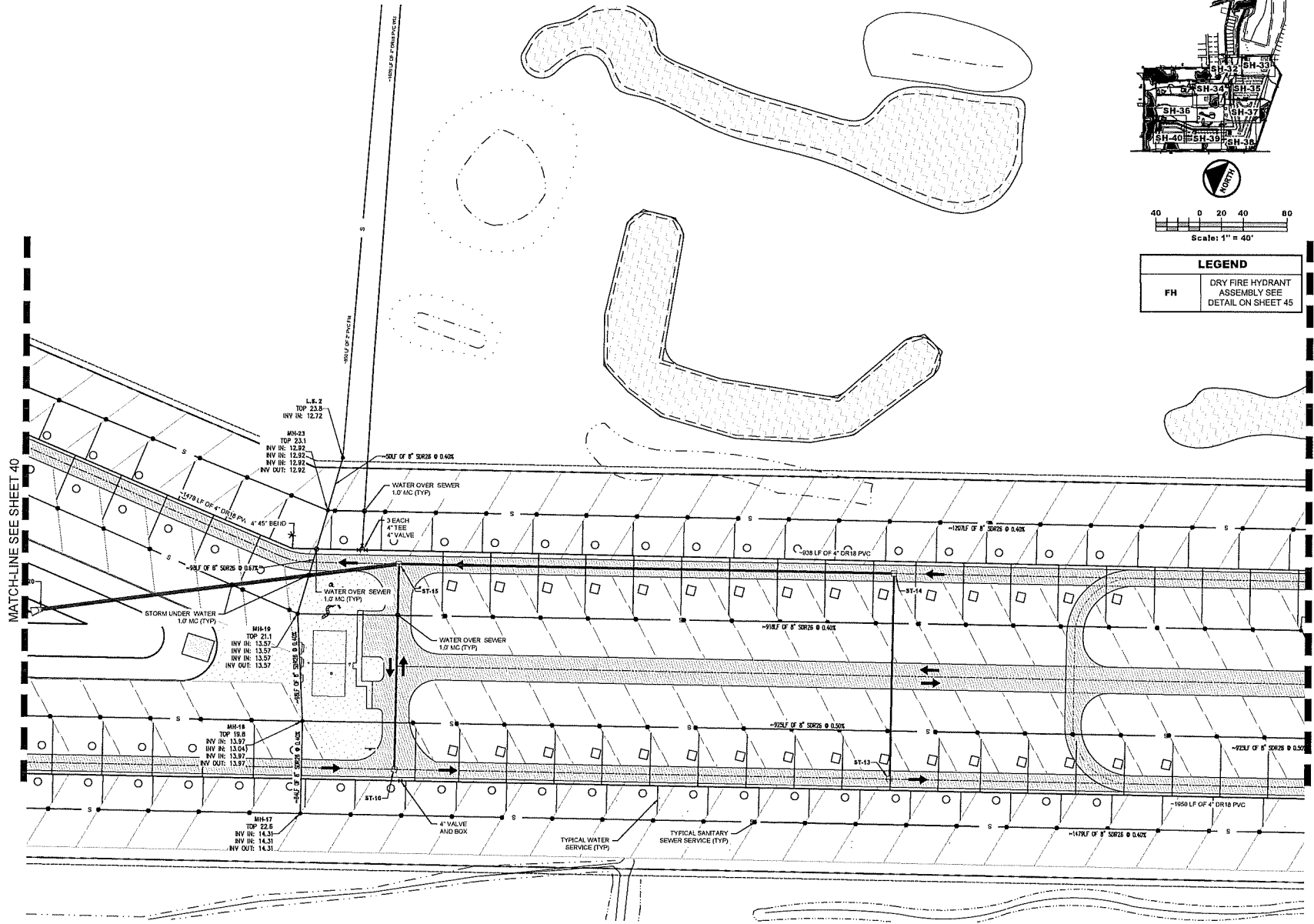
AVA ENGINEERS, INC.
 Commercial | Residential | Marine
 Florida Certificate No. 00008615
 425 Broward Blvd., Suite 100, Fort Lauderdale, FL 33304-2257
 P.O. Box 123202, Fort Lauderdale, FL 33312-0202
 Terry A. Terry, P.E., HES, LEED



NOTES: THE PHASE I AND PHASE II UTILITIES SHOWN ON THIS PLAN ARE BASED ON THE INFORMATION PROVIDED BY THE CLIENT. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE EXISTING UTILITIES AND HAS FOUND THEM TO BE IN ACCORDANCE WITH THE PLAN. THE ENGINEER HAS NOT CONDUCTED ANY TESTS OR INVESTIGATIONS OF THE UTILITIES. THE CLIENT IS RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN OF THE UTILITIES SHOWN ON THIS PLAN. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED OR THE RESULTS OF ANY TESTS OR INVESTIGATIONS. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN OF THE UTILITIES SHOWN ON THIS PLAN.

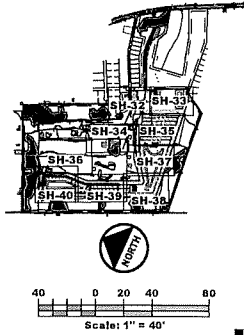
CALLAHAN COUNTRY RV RESORT
UTILITY PLAN 8
 Nassau County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: **38**
 of 51



MATCH-LINE SEE SHEET 40

MATCH-LINE SEE SHEET 38



LEGEND	
FH	DRY FIRE HYDRANT ASSEMBLY SEE DETAIL ON SHEET 45

No.	Revisions	By
1		
2		
3		
4		

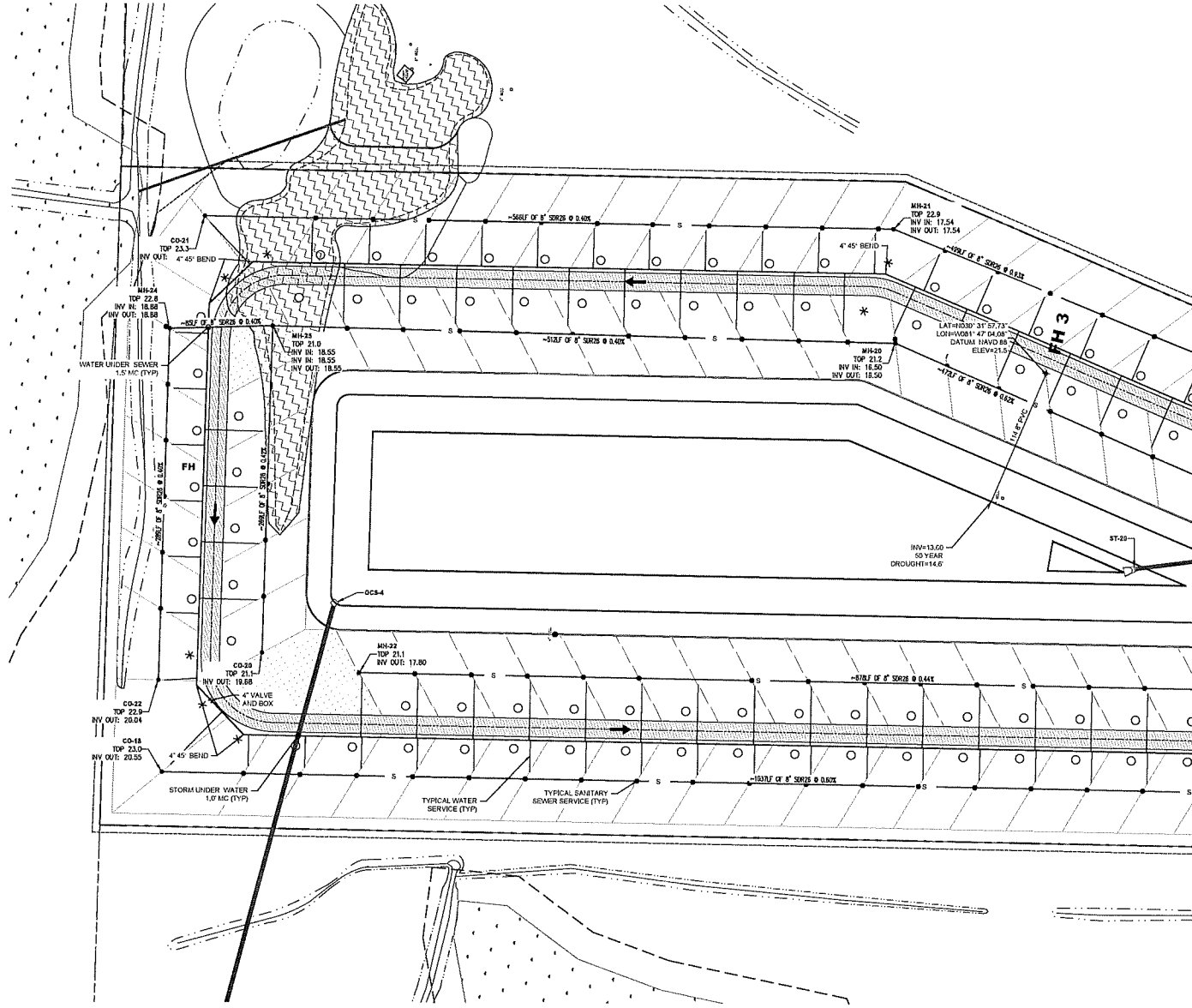
AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000816
 429 BAYSHORE DR. SUITE 11 JACONTOVILLE FL 34477
 PH: 813-441-1111 FAX: 813-441-1112
 WWW.AVAENGINEERS.COM



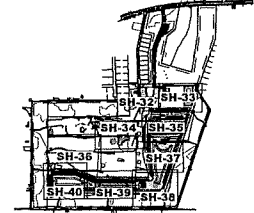
AVA ENGINEERS, INC. IS AN EQUAL OPPORTUNITY FIRM. WE DO NOT DISCRIMINATE ON THE BASIS OF RACE, SEX, RELIGION, NATIONAL ORIGIN, ANCESTRY, COLOR, AGE, OR HANDICAP. IF YOU ARE AN INDIVIDUAL WITH A DISABILITY AND YOU ARE HAVING DIFFICULTY ACCESSING OUR WEBSITE, PLEASE CONTACT US AT 813-441-1111.

CALLAHAN COUNTRY RV RESORT
 UTILITY PLAN 9
 NASSAU County
 Florida

Date:	11/21
Designer:	CMW
Job #:	19-027
Drawn:	CMW
Scale:	1"=40'
Sheet:	39
	of 51



MATCH-LINE SEE SHEET 39



LEGEND	
FH	DRY FIRE HYDRANT ASSEMBLY SEE DETAIL ON SHEET 45

Rev	Revisions	By
1		
2		
3		

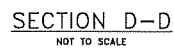
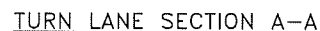
AVA ENGINEERS, INC.
 Commercial | Residential | Marine
 10000 N. US Highway 1
 Jacksonville, FL 32218
 Phone: 904.241.1200 | Fax: 904.241.1202
 Email: info@avaengineers.com



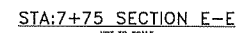
THIS PLAN AND ALL INFORMATION HEREON ARE THE PROPERTY OF AVA ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF AVA ENGINEERS, INC. ANY VIOLATION OF THIS NOTICE IS A VIOLATION OF THE FLORIDA PROFESSIONAL SEAL ACT, CHAPTER 481, F.S.

CALLAHAN COUNTRY RV RESORT
UTILITY PLAN 10
 NASSAU County, Florida

Date: 11/21
 Designer: CMW
 Job #: 19-027
 Drawn: CMW
 Scale: 1"=40'
 Sheet: 40
 of 51



FDOT 522.002 ADA RAMP DETAIL
NTS



Date: 11/21
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale: 1"=40'
Sheet: **41**

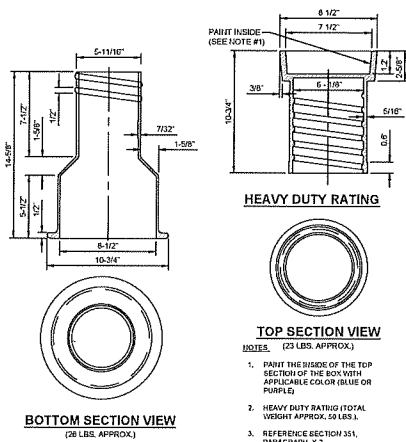
Date: 11/21
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale: 1"=40'
Sheet: **42**
of 51

PROPOSED UTILITY

	POTABLE WATER			WASTEWATER GRAVITY AND FORCE MAIN			RECLAIMED WATER			VACUUM SEWERS		
CONFLICTING UTILITY	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING
POTABLE WATER	3' NOTE 1	12"	3' NOTE 2	6' to 12'	12"	3' NOTE 2	3'	12"	3' NOTE 2	3' to 10'	12"	3' NOTE 2
RECLAIMED WATER	3'	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3'	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
WASTEWATER (GRAVITY AND FORCE MAIN)	6' to 10'	12"	3' NOTE 2	3' NOTE 1	12"	6'	3' NOTE 1	12"	3' NOTE 1	3' NOTE 1	12"	3' NOTE 2
VACUUM SEWERS	3' to 10'	12"	3' NOTE 2	3' NOTE 1	12"	6'	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
RIGHT OF WAYS	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A
PERMANENT STRUCTURES (BUILDINGS, SIGNS, ETC.)	SEE NOTE 7	N/A	N/A	SEE NOTE 7	N/A	N/A	SEE NOTE 7	N/A	N/A	SEE NOTE 7	N/A	N/A
STORM SEWERS	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
GAS	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
TREES	3'-6' NOTE 6	N/A	N/A	3'-6' NOTE 6	N/A	N/A	3'-6' NOTE 6	N/A	N/A	3'-6' NOTE 6	N/A	N/A
ALL OTHER UTILITIES	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2

1. **1166 SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTH, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.**
2. **THE MINIMUM JOINT SPACING REQUIRED FROM CROSSING FROM OTHER UTILITIES WHILE STILL MAINTAINING MINIMUM VERTICAL SEPARATION.**
3. **DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.**
4. **NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SANITARY OR STORM WATER MAINS OR STRUCTURES.**
5. **WATER MAIN SHOULD CROSS ABOVE OTHER PIPES WHENEVER POSSIBLE. WHEN WATER MAIN MUST BE BELOW OTHER UTILITY PIPING, THE MINIMUM SEPARATION SHALL BE 12 INCHES.**
6. **REFER TO POTABLE WATER PIPING - SECTION 350, B.I. 11.1.**
7. **SEE SECTION 350, B.I. 10 FOR MINIMUM SEPARATION REQUIREMENTS FROM PIPE TO STRUCTURES.**

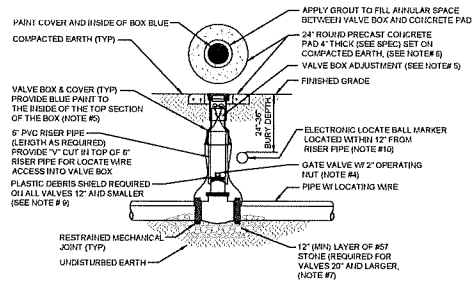
JANUARY 2020



JANUARY 2020 PLATE W-17

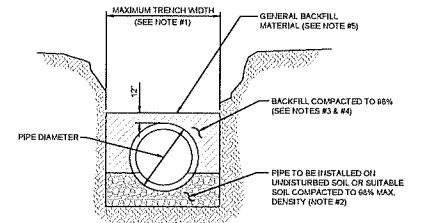
[illegible]

JANUARY 2020



1. FOR UNPAVED LOCATIONS, A PRECAST CONCRETE VALVE PAD SHALL BE PROVIDED AND INSTALLED FLUSH WITH GRADE. CONCRETE PAD IS NOT REQUIRED FOR VALVE LOCATED ON THE ROADWAY, UNDER BRIDGE OR NOTED OTHERWISE.
2. LOCATING VALVE IS REQUIRED ON ALL PRESSURE PIPING (SEE DETAIL V-44).
3. A 4" X 24" SHALL BE PROVIDED BY THE CURB CONCURRENCE TO THE DEPTH OF 1' (CURB) TO ALL BELOW GRADE VALVES. THE "C" CUT IS TO BE PAINTED BLUE WATERPROOFING IS REQUIRED.
4. IN PAVED AREAS, INSTANT VALVE AT A DEPTH TO ALLOW A 12" HILL DISTANCE BETWEEN THE VALVE COVER PLATE AND THE TOP OF THE VALVE OPERATING NUT. OUTSIDE OF PAVED AREAS (GRASS), INSTANT VALVE AT A DEPTH TO ALLOW A MINIMUM DISTANCE BETWEEN THE VALVE COVER PLATE AND THE TOP OF THE VALVE OPERATING NUT. OPERATING NUT SHALL BE PROVIDED WHEREVER APPLICABLE SO THAT THE OPERATING NUT WILL BE NO MORE THAN 30 INCHES BELOW FINISHED GRADE.
5. FOR NEWER CONSTRUCTION, THE VALVE BOX SHALL BE ADJUSTED TO MOUNT TO ALLOW FOR FUTURE BOX ADJUSTMENTS. ROUTE LOCALS SHALL BE ADJUSTED TO ALLOW FOR FUTURE ADJUSTMENTS. THE VALVE BOX SHALL BE ADJUSTED TO THE VALVE BOX, THE VALVES WITH A 24" LONG PIPE AT THE TOP SHALL BE CONNECTED TOGETHER WITH A URSE NUT.
6. BRASS IDENTIFICATION TAGS INDICATING VALVE TYPE, VALVE SIZE, DIRECTION AND TURNS TO OPEN VALVE TYPE. PROVIDE A 4" HOLE IN BRASS TAG AND ATTACH TAG TWICE (ONE AROUND TAG) TO THE END OF THE LOCATE WIRE. TAGS ARE NOT REQUIRED ON VALVES 12" AND SMALLER OR APPROXIMATELY 12" AND SMALLER.
7. 1/2" OF PRECAST CONCRETE PAD, 6" A THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD W/24" X 48" REBAR AROUND PERIMETER, MAY BE PROVIDED.
8. GRAVEL SHALL BE USED UNDER ALL THE VALVES 24" AND LARGER. THE MINIMUM VERTICAL LIFT OF GRAVEL IS 12" UNDER THE VALVE UP TO THE OVERALL HEIGHT OF THE VALVE.
9. FOR VALVES 12" AND SMALLER, PROVIDE A WHITE OR BLACK PLASTIC DEBRIS SHIELD WHICH INSTALLS BELOW THE OPERATING NUT. THIS SHIELD SHALL CENTER THE RISER PIPE OVER THE OPERATING NUT AND MINIMIZE FLUTING. THIS SHIELD SHALL BE 12" AND APPROXIMATELY 12" AND SMALLER.
10. ALL VALVES SHALL BE INSTALLED WITH AN ELECTRIC LOCATE MARKER. MARKER SHALL BE 4" DIA. COLOR CODED BALL MARKER (304-13X34) FOR VALVE AND 1/2X34 FOR RECLAIMED WATER).

JANUARY 2020



1. TRENCH SIDES SHALL BE APPROXIMATELY VERTICAL. BETWEEN AN ELEVATION OF 1' FOOT ABOVE THE TOP OF THE PIPE AND THE CENTER LINE OF THE PIPE, OTHER TRENCH SIDES SHALL BE AS VERTICAL AS POSSIBLE OR AS REQUIRED BY OSHA AND THE STATE OF CALIFORNIA TO THE MAGNITUDE AND EXTENT SECTION EIGHT (8) OF PERMITS #44 TO OBTAINING MAXIMUM PAVEMENT WIDTHS.

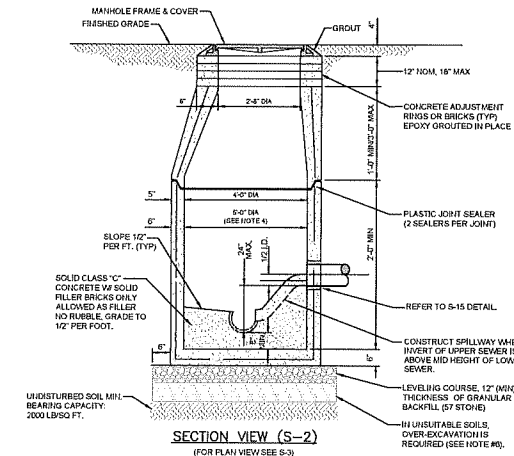
2. BELL HOLES SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF THE PIPE TO REST ON THE UNDISTURBED TRENCH BED. BELL HOLES SHALL BE 20% DEEPER LONGER THAN 24-INCH BELL HOLES. DO NOT PERMIT TO BACKFILL UP TO 1' FOOT ABOVE THE TOP OF THE PIPE.

3. BACKFILL MATERIAL UP TO A LEVEL OF 1' FOOT OVER THE TOP OF THE PIPE SHALL CONSIST OF ASPHALT CLASS A-3 SOIL (SUITABLE SOIL) OR 10% GRAVELLY SAND (SUITABLE SAND) AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SECTION 201.

4. BACKFILL MATERIAL UP TO A LEVEL 1' FOOT OVER THE TOP OF THE PIPE OR BOTTOM OF STRUCTURES SHALL BE PLACED IN 6-INCH COMPACTED THICKNESS LAYERS AND SHALL BE COMPACTED TO 80% OF ITS LAQUINUM DENSITY AS DETERMINED BY THE LABORATORY TESTING AND ANALYSIS.

5. USE "EXCAVATION AND CANTHARMENT," SECTION 483 FOR ADDITIONAL REQUIREMENTS INCLUDING REMOVAL AND REPLACEMENT OF SUITABLE SOILS, OVERLAYING, BACKFILL OR REMOVAL AND REPLACEMENT OF COMPACTED SOILS.

JANUARY 2020



1. PRECAST MANHOLE SECTIONS TO BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITIONS OF A.S.T.M.-C-478 WITH 4000 LBS. CONC. TYPE I CEMENT. ALL LIFTING HOLES AND OUTSIDE INSERTS SHALL BE FILLED WITH HIGH-BUILDUP GROUT AND COATED WITH BITUMINOUS WATERPROOFING MATERIAL.
2. THE INTERIOR AND EXTERIOR OF MANHOLE AND ADJUSTING RINGS SHALL BE GIVEN TWO COATS OF BITUMINOUS WATERPROOFING MATERIAL.
3. IF SPECIALTY LINER IS TO BE INSTALLED DUE INSIDE SURFACE OF MANHOLE, THE BITUMINOUS WATERPROOFING MATERIAL SHALL BE OMITTED ON THE INSIDE.
4. JUNCTION MANHOLE (CLOSEST TO VENTHILL) SHALL BE 5' DIA WITH SPECIAL LINER.
5. ALL MANHOLE JOINTS BELOW THE TOP COVER SECTION SHALL INCLUDE A 5'-0" EXTERIOR JOINT (W/IN PRIMER). TAKE ON THE CORE SECTION IS OPTIONAL. SEE PLATE S-7.
6. IN SILTS, CLAY OR MOISTLY ORGANIC SOILS (FINE-GRAINED SOILS INCLUDING SLOE, GROUPS M, CL, CH, OH) GRAD P/1 THE GRILLS SHALL BE OVER-EXCAVATED AN OVER-CAST (24" AT A MIN) AND BACKFILLED WITH 3/4" TO 1 1/2" SAND OR GRAVEL (ASTM 2457) OR EQUIVALENT. ADD ADDITIONAL 12" AT THE END BACKFILL WITH GRAVELAR BACKFILL 67.5TON.

JANUARY 2020

PLATES S-2, S-3

No	Revisions	By
⚠		
⚠		
⚠		
⚠		

AVA ENGINEERS, INC.

Commercial | Residential | Marine
Florida Certificate No. 00008161
4201 BAYVIEW DR. SUITE 3 | JACKSONVILLE, FLORIDA 32217
PH. (904) 733-3223 | FX. (904) 733-3225



PLACES THE DYNAMIC BEARS THE DANGERED SEAL OF A
ALPHABETICALLY REDISTRICTED ENGINEER ACTING AS AN
CONSIDERATION FOR THE PROTECTION OF THE PUBLIC. IT IS FOR
STATIONING PURPOSES ONLY AND IS NOT FINAL.

CALLAHAN COUNTRY RV RESORT

PUMP STATION DETAILS

Duval County

Date: 09-24-20

Designer: CMW

Job #: 19-027

Drawn: CMW

Scale:

Sheet: 44

44

of 51

PVC PIPE RESTRAINT NOTES:

- THIS SCHEDULE SHALL BE UTILIZED ON ALL WATER, SEWER FORCE MAIN OR RECLAIMED WATER SYSTEMS. ALL FITTINGS SHALL BE RESTRAINED TO LENGTHS INDICATED ON THE ABOVE SCHEDULE AT A MINIMUM.
- ASSUMPTIONS: PVC PIPE, SAFETY FACTOR=1.5, TEST PRESSURE=150PSI, SOIL=OH OR SM, FRENCH TYPE 3, DEPTH OF COVER=30 INCHES FOR 20" AND SMALLER PIPE SIZE OR 36 INCHES FOR 24" AND LARGER PIPE SIZE.
- BENDS AND VALVES SHALL BE RESTRAINED ON EACH SIDE OF FITTING.
- VERTICAL OFFSETS AND APPROX. 3 FEET COVER ON TOP AND APPROX. 3 FEET COVER ON BOTTOM PER THE DETAILS. L_U IS THE RESTRAINED LENGTH FOR THE UPPER (TOP) LEVEL. L_B IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.
- TEES: TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF THE (RUN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN). SEE SCHEDULE ABOVE FOR RESTRAINED LENGTH ON TEE BRANCH LINE.
- HOPE TO PVC TRANSITIONS: THE PVC PIPE SIDE SHALL BE RESTRAINED 35 FT (MIN).
- THE INSTALLATION OF RELL HARNESS RESTRAINTS AT PVC JOINTS (DR-18 & 25 PIPE) SHALL BE COMPLETED PER THE MANUFACTURERS RECOMMENDATION, WHICH INCLUDES NOT OVER TIGHTENING THE PARALLEL RODS/UTS. THESE NUTS SHOULD ONLY BE SHUD TIGHT. THE HOPE MARKS ON THE PIPE SHOULD ALWAYS BE VISIBLE AFTER THE RESTRAINT IS INSTALLED. OVERSHOOTING THE JOINT MAY CAUSE A FAILURE AT THE BELL. RESS. TWO IN A SERVICE OFFICE.

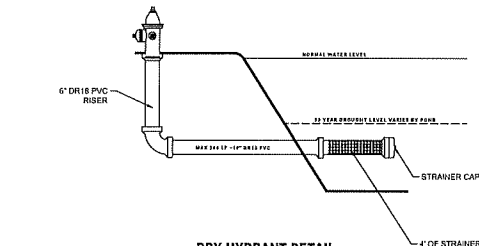
NOMINAL PIPE SIZE (IN.)	LENGTH (L) TO BE RESTRAINED				VALVES OR DEAD ENDS (L.F.T.)
	90° BENDS (L.F.T.)	45° BENDS (L.F.T.)	22.5° BENDS (L.F.T.)	11.25° BENDS (L.F.T.)	
4	21	9	5	3	17
6	30	13	8	3	23
8	38	16	8	4	30
10	45	19	9	5	36
12	53	22	11	6	43
14	61	26	13	8	50
16	68	29	14	7	55
18	73	30	15	8	60
20	79	33	16	8	65
24	79	33	15	8	77
30	83	36	18	10	97
36	106	39	21	11	127
42	117	49	24	12	140
48	144	53	26	13	153

REDUCERS		TEES	
SIZE (IN.)	L (F.T.)	SIZE (IN.)	L (F.T.)
6x4	34	4	4
8x4	38	4	4
10x4	42	4	4
12x4	46	4	4
14x4	50	4	4
16x4	54	4	4
18x4	58	4	4
20x4	62	4	4
24x4	66	4	4
30x4	70	4	4
36x4	74	4	4
42x4	78	4	4
48x4	82	4	4

PVC PIPE RESTRAINT JOINT SCHEDULE

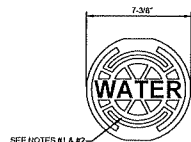
JANUARY 2020

PLATE W-31A



DRY HYDRANT DETAIL

NTS



HEAVY DUTY RATING

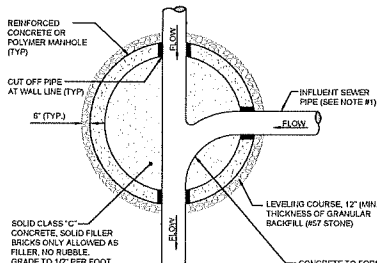
NOTES:

- PAINT TOP OF THE COVER WITH ENAMEL PAINT (BLUE COLOR) FOR WATER.
- FOR 'REUSE' PAINT TOP PAINTHOUSE PURPLE.
- UID WEIGHT: APPROX. 12 LBS.

WATER SYSTEM VALVE BOX COVER

JANUARY 2020

PLATE W-16

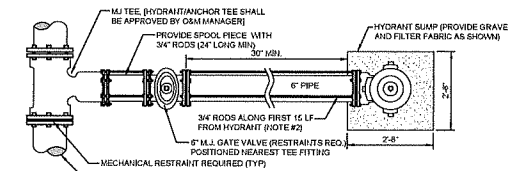


PLAN VIEW (S-3)

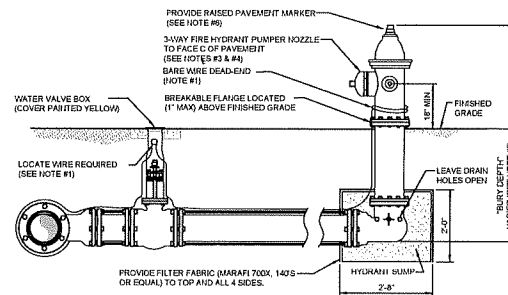
(FOR SECTION VIEW SEE S-2, S-2A)

JANUARY 2020

PLATE S-3



PLAN



SECTION

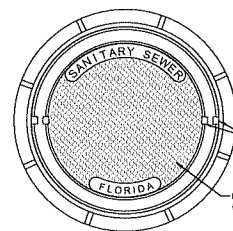
NOTES:

- LOCATE WIRE SHALL BE ROUTED FROM THE VALVE TO THE HYDRANT AS SHOWN ABOVE LEAVING ENOUGH SLACK TO REACH 4' ABOVE FINAL GRADE. THE END OF THE WIRE SHALL BE SECURED TO THE PIPE MANH. SEE SECTION 350, LOCATE WIRE INSTALLATION PARAGRAPH.
- FIRE HYDRANTS SHALL BE INSTALLED BETWEEN BACK OF CURB AND FACE OF SIDEWALK AND NOT WITHIN SVALE/STREET AREAS. THE DISTANCE RANGE FROM EDGE OF ADJACENT PAVEMENT, BACK OF CURB AND FACE OF SIDEWALK SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES AND APPLICABLE PERMITTING AGENCIES. DISTANCE SHALL BE MEASURED TO THE CLOSEST PART OF THE FIRE HYDRANT (S.E. THE PUMPER NOZZLE). THE MAXIMUM DISTANCE (BACK OF CURB) SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES. FOR OTHER LOCATION LOCATIONS SEE REQUIRED AT THE HYDRANT LOCATION PROVIDE 30" SEPARATION. ALL PIPING, VALVES AND FITTINGS ALONG THE HYDRANT BRANCH LINE (TYPICAL 15' IF OF THE HYDRANT SHALL BE RESTRAINED UTILIZING ONLY TWO 3/4" DIA. (THREADED ENDS) STEEL RODS AND EYE BOLTS (NO JOINT RESTRAINT DEVICES REQUIRED). A SPLIT DERIVATED RING WITH RESTRAINT BARS (EBA 15 PPM OR EQUAL) HAVE USED IN THIS ASSEMBLY. ALL OTHER JOINTS ALONG THE HYDRANT BRANCH LINE) OUTSIDE OF THE FIRST 15' SHALL INCLUDE JOINT RESTRAINTS.
- OPERATION OF THE FIRE HYDRANT SHALL BE EITHER FULL OPEN POSITION OR TOTALLY CLOSED POSITION. THE HYDRANT SHALL NOT BE UTILIZED TO THROTTLE OUTLET FLOW.
- PRIOR TO PROJECT FINAL INSPECTION, THE HYDRANT AND ALL ABOVE GROUND PIPING SHALL BE CHECKED, GREASED AND REPAINTED (RUS-KS, DIA/AL-INTERMEDIATE YELLOW OR EQUAL, PRIVATELY OWNED AND MAINTAINED FIRE HYDRANTS SHALL BE REPAINTED RED).
- FIRE HYDRANTS SHALL BE ORDERED WITH PROPER 'BURY DEPTH' TO MEET ACTUAL FIELD CONDITIONS. THIS IS ESPECIALLY IMPORTANT FOR BRANCH LINES WHICH TEE-OFF A 12" OR LARGER WATER MAIN. THE INSTALLATION OF 45° BENDS IS NOT ACCEPTABLE WHEN UTILIZED TO CORRECT AN IMPROPERLY FURNISHED HYDRANT. THE USE OF HYDRANT EXTENSION SHALL BE MINIMIZED.
- BLUE REFLECTIVE MARKERS SHALL BE INSTALLED IN SUCH A MANNER THAT THE REFLECTIVE FACE OF THE MARKER IS PERPENDICULAR TO A LINE PARALLEL TO THE ROADWAY CENTERLINE. THE BLUE REFLECTIVE MARKERS SHALL BE PLACED IN THE CENTER OF THE TRAVEL LANE, DIRECTLY ACROSS FROM AND ADJACENT TO EACH FIRE HYDRANT.

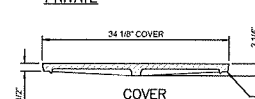
FIRE HYDRANT INSTALLATION USING MECHANICAL JOINT TEE

JANUARY 2020

PLATE W-13



PRIVATE



COVER

PICKHOLE DETAIL

RING

NOTES:

- MATERIAL: ASTM A-48 CLASS 35B GRAY IRON.
- RING WEIGHT 230 LBS APPROX.
- COVER WEIGHT 230 LBS APPROX.
- ALL DIMENSIONS ARE SHOWN IN INCHES.
- THE COVER SHALL INCLUDE 'SANITARY SEWER' GENERIC LETTERING

GROOVE & GASKET DETAIL

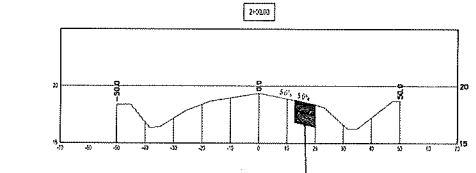
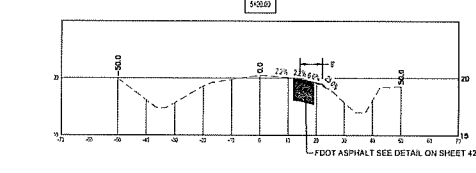
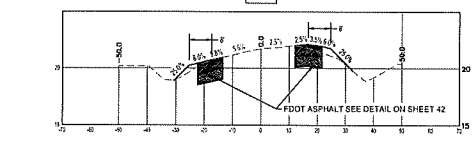
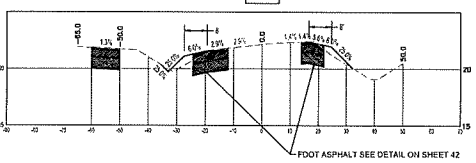
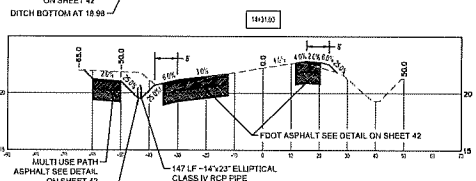
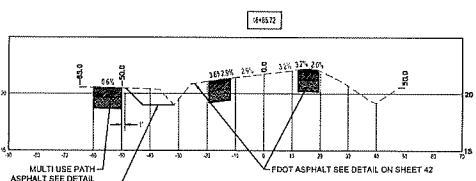
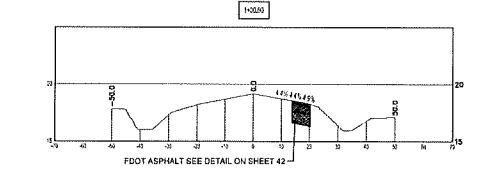
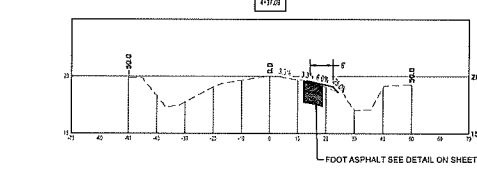
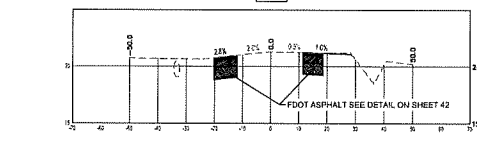
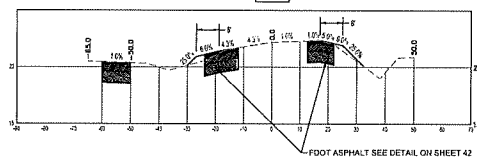
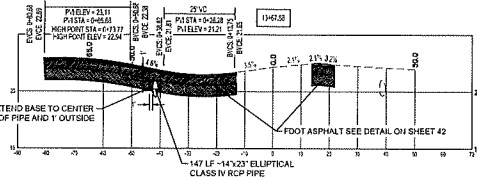
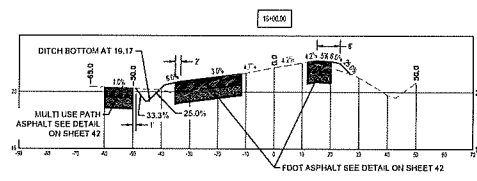
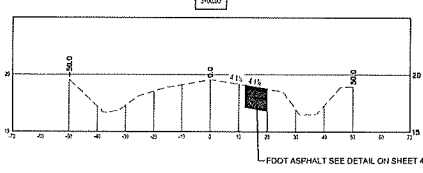
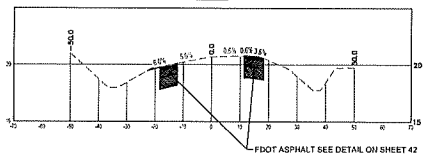
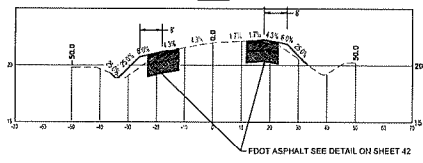
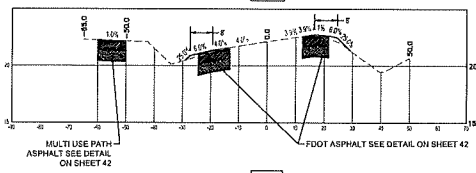
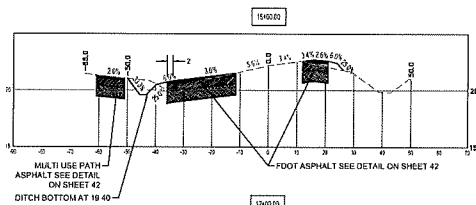
PERMIT SET NOT FOR CONSTRUCTION

CALLAHAN COUNTRY RV RESORT

PUMP STATION DETAILS

Date: 09-24-20
Designer: CMW
Job #: 19-027
Drawn: CMW
Scale:
Sheet: 45 of 51

AVA ENGINEERS, INC.
Commercial / Residential / Marine
Florida Certificate No. 00008161
4050 N. W. 12th St., Suite 100, Ft. Lauderdale, FL 33309
P. (954) 723-2222 F. (954) 723-2225
www.ava-engineers.com



PERMIT SET NOT FOR CONSTRUCTION

Rev	Revisions	By
1		
2		
3		
4		

AVA ENGINEERS, INC.
 Commercial / Residential / Marine
 Florida Certificate No. 0000861
 425 BRADSHAW BLVD. SUITE 200
 JACKSONVILLE, FL 32202
 Tel: 904.731.1234
 Fax: 904.731.1235

NOTES: SEE PLANS AND SPECIFICATIONS FOR ALL DETAILS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE AREA TO ITS ORIGINAL CONDITION OR BETTER AFTER COMPLETION OF THE PROJECT.

CALLAHAN COUNTRY RV RESORT
 SECTIONS
 Nassau County
 Florida

Date:	11/21
Designer:	CMW
Job #:	19-027
Drawn:	CMW
Scale:	1"=20'
Sheet:	47
	of 51

SCALE:
 HORIZONTAL 1"=20'
 VERTICAL 1"=4'

SITE DESCRIPTION	
PROJECT NAME AND LOCATION: CALLAHAN CREEK BY RESORT 34221 EVERGREEN TRAIL CALLAHAN, FL 32011	
OWNER NAME AND ADDRESS: CALLAHAN CREEK BY RESORT LLC 34221 EVERGREEN TRAIL CALLAHAN, FL 32011	
(DESCRIPTION: 293 AC 450 LOT BY RESORT WITH A B HOLE DOGF COURSE AND OTHER OUT SIDE RECREATIONAL ACTIVITY SITES (PARK).	
SOL DISTURBING ACTIVITIES WILL INCLUDE: 1. CLEARING AND GRUBBING, FERTILIZER AND OTHER SOILS AND SEDIMENT CONTROL. 2. DURING CONSTRUCTION = BS 3. POST-CONSTRUCTION = M4 SOIL DISTURBING ACTIVITIES WILL INCLUDE: 1. PRE-CONSTRUCTION = RD 2. DURING CONSTRUCTION = BS 3. POST-CONSTRUCTION = M4 SIZE SOLS REPORT FOR SOLS DATA	
* SEE ATTACHED GRADING PLAN FOR PRE & POST DEVELOPMENT GRADES, AREAS OF EROSION, EROSION AND TURBIDITY CAUSED BY STORM WATER RUNOFF, PROTECTED AREAS, PALM STRUCTURAL, AND NON-STRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS. * SEE ATTACHED EROSION AND TURBIDITY CONTROL PLAN FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS. * SEE GENERAL NOTES FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.	
SITE AREA: TOTAL AREA OF SITE = 153.41 AC. 2. TOTAL AREA TO BE DISTURBED = 153.41 AC. NAME OF RECEIVING WATERS: THOMAS CREEK	
CONTROLS	
THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUNOFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO RESTRICT THE CONSTRUCTION ON PLACEMENT OF THESE CONTROLS AS PER PLAN AS WELL AS ENSURING THIS PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE, AND LOCAL LAWS, REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.	
STORM WATER MANAGEMENT STORM WATER BRANAGE WILL BE PROVIDED BY CURB AND GUTTER, STORM SEWER, CURB ISLETS AND CATCH BASINS FOR THE PAVED AREAS, AREAS WHICH ARE NOT DEVELOPED BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE. WHEN COMPLETION IS COMPLETE A TOTAL OF _____ ACRES WILL HAVE BEEN REGRADED. THE SITE IS ADJACENT TO AN EXISTING WETLAND SYSTEM. WIDE PRACTICAL, TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT SEDIMENT BEFORE ENTERING THE PERMANENT DETENTION BASIN.	
THANG OF CONTROLS/MEASURES	
REFER TO " CONTRACTORS RESPONSIBILITY " FOR THE THANG OF CONTROLS/MEASURES.	
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS	
IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS REGARDING EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PENALTIES HAVE BEEN OBTAINED:	
D.E.R. ORDEG/FL PENIT #	
C.D.E. ORDEG/FL PENIT #	
S.E.L.M.A.D. PENIT #	
CITY OF JACKSONVILLE, FL DEVELOPMENT PENIT	
POLLUTION PREVENTION PLAN CERTIFICATION	
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS HERETO PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO MINIMIZE POLLUTION FROM THE PROJECT, I HAVE REVIEWED AND EVALUATED THE SAME. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR VIOLATING THE PROVISIONS OF THE SYSTEM, AND THAT PERSONS OFFICERLY RESPONSIBLE FOR CAUSING OR ALLOWING THE INFRACTION, MAY BE FINED, IMPRISONED, OR BOTH. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR MAKING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	
SIGNED: CORPORATE OFFICER, GENERAL PARTNER, PROPRIETOR, EXECUTIVE OFFICER, MANAGING ELECTED OFFICIAL	
DATE:	

[illegible][illegible]

PETROLEUM PRODUCTS

ALL OILY VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVED REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELLED ACCORDING TO THE MANUFACTURERS' RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL APPLIED ONLY IN THE WINDROW AREAS RECOMMENDED BY THE MANUFACTURERS. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCARDED IN THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT ON DISCHARGE SURPLUS CONCRETE OR DRINK TAP WATER ON THE SITE.

SPILL CONTROL PRACTICES
IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON EACH AND EVERY SITE. ALL SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT BY THE MATERIAL STORAGE AREA DIGEST, EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, BURL PAPS, ROPS, PADS, COVERS, GOGGLES, LEAK ADAPTOR (I.E. KITTY LITTER OR DOWAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS.
ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
THE SPILL AREA WILL BE KEPT UNTIL VOLATILIZED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.
THE SPILL PREVENTION PLAN WILL BE ADAPTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE.
DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHOULD WILL INDICATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE PERSONNELS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA IF APPLICABLE, IN THE OFFICE TRAILER OFFICE.

EROSION AND SEDIMENT CONTROL, INSPECTION AND MAINTENANCE PRACTICES																				
THE FOLLOWING EROSION, SEDIMENT AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.																				
1. NO MORE THAN 10 ACRES OF THE SITE WILL BE EXPOSED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.																				
2. ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY CONSTRUCTION OF THE PROJECT, AND THE EROSION AND SEDIMENT SUPERINTENDENT AT LEAST ONCE A WEEK AND FOLLOWING ANY EXPOSED EROSION OR SEDIMENT CONTROL MEASURES.																				
3. ALL TURBOCITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORTING THE PROBLEM.																				
4. BUILT UP SEDIMENT WILL BE REMOVED FROM SLOPE FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.																				
5. SLOPE FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TURNS TO SEE IF THE FENCING IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.																				
6. THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 50 PERCENT OF THE DESIGN CAPACITY AND AT THE END OF THE JOB.																				
7. DIVERSION DITCHES/WALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.																				
8. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.																				
9. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED.																				
10. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER, OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS.																				
11. THE REPORTS SHALL BE MADE AND KEPT AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE BEST MANAGEMENT PRACTICES ARE REPORTED SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.																				
12. THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE, AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORTS.																				
13. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONCE IN GOOD WORKING ORDER.																				
NON-STORM WATER DISCHARGES																				
1. IF IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:																				
2. WATER FROM WATER LINE FLOWING																				
3. PAYMENT MASH WATERS (MACHINE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).																				
4. UNCONTAMINATED GROUNDWATER (FROM Dewatering DISCHARGE).																				
ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.																				
CONTRACTOR'S CERTIFICATION																				
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE FEDERAL, NATIONAL, POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.																				
<table border="1"> <thead> <tr> <th>SIGNATURE</th> <th>BUSINESS NAME AND ADDRESS OF CONTRACTOR AND ALL SUBS</th> <th>RESPONSIBLE FOR/DUTIES</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>GENERAL CONTRACTOR</td> </tr> <tr> <td></td> <td></td> <td>SUB-CONTRACTOR</td> </tr> <tr> <td></td> <td></td> <td>SUB-CONTRACTOR</td> </tr> <tr> <td></td> <td></td> <td>SUB-CONTRACTOR</td> </tr> <tr> <td></td> <td></td> <td>SUB-CONTRACTOR</td> </tr> </tbody> </table>			SIGNATURE	BUSINESS NAME AND ADDRESS OF CONTRACTOR AND ALL SUBS	RESPONSIBLE FOR/DUTIES			GENERAL CONTRACTOR			SUB-CONTRACTOR			SUB-CONTRACTOR			SUB-CONTRACTOR			SUB-CONTRACTOR
SIGNATURE	BUSINESS NAME AND ADDRESS OF CONTRACTOR AND ALL SUBS	RESPONSIBLE FOR/DUTIES																		
		GENERAL CONTRACTOR																		
		SUB-CONTRACTOR																		
		SUB-CONTRACTOR																		
		SUB-CONTRACTOR																		
		SUB-CONTRACTOR																		

SIGNATURE	BUSINESS NAME AND ADDRESS OF CONTRACTOR AND ALL SUBS	RESPONSIBLE FOR/DUTIES
		GENERAL CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR

CALLAHAN COUNTRY RV RESORT

Date: 09-24-20

CMW

Job #: 19-027

Drawn: CMW

Scale:

Sheet:

PUMP STATION DETAILS

Dural County
Florida

49

