

ENGINEERING PLANS

FOR

YULEE RV & BOAT STORAGE

FOR

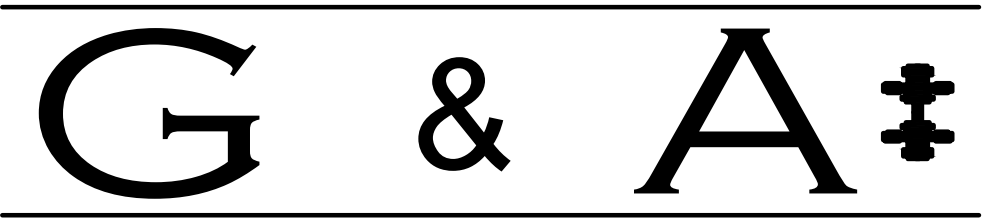
RED MOON DEVELOPMENT & CONSTRUCTION, INC.

GILLETTE & ASSOCIATES, INC.

CIVIL & ENVIRONMENTAL ENGINEERING
MECHANICAL & STRUCTURAL ENGINEERING
PERMITTING & CONSTRUCTION MANAGEMENT

31 SOUTH 4TH STREET AMELIA ISLAND, FLORIDA 32034
PHONE: 904/261-8819

PERMITTING AGENCIES
JACKSONVILLE ELECTRIC AUTHORITY
ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT

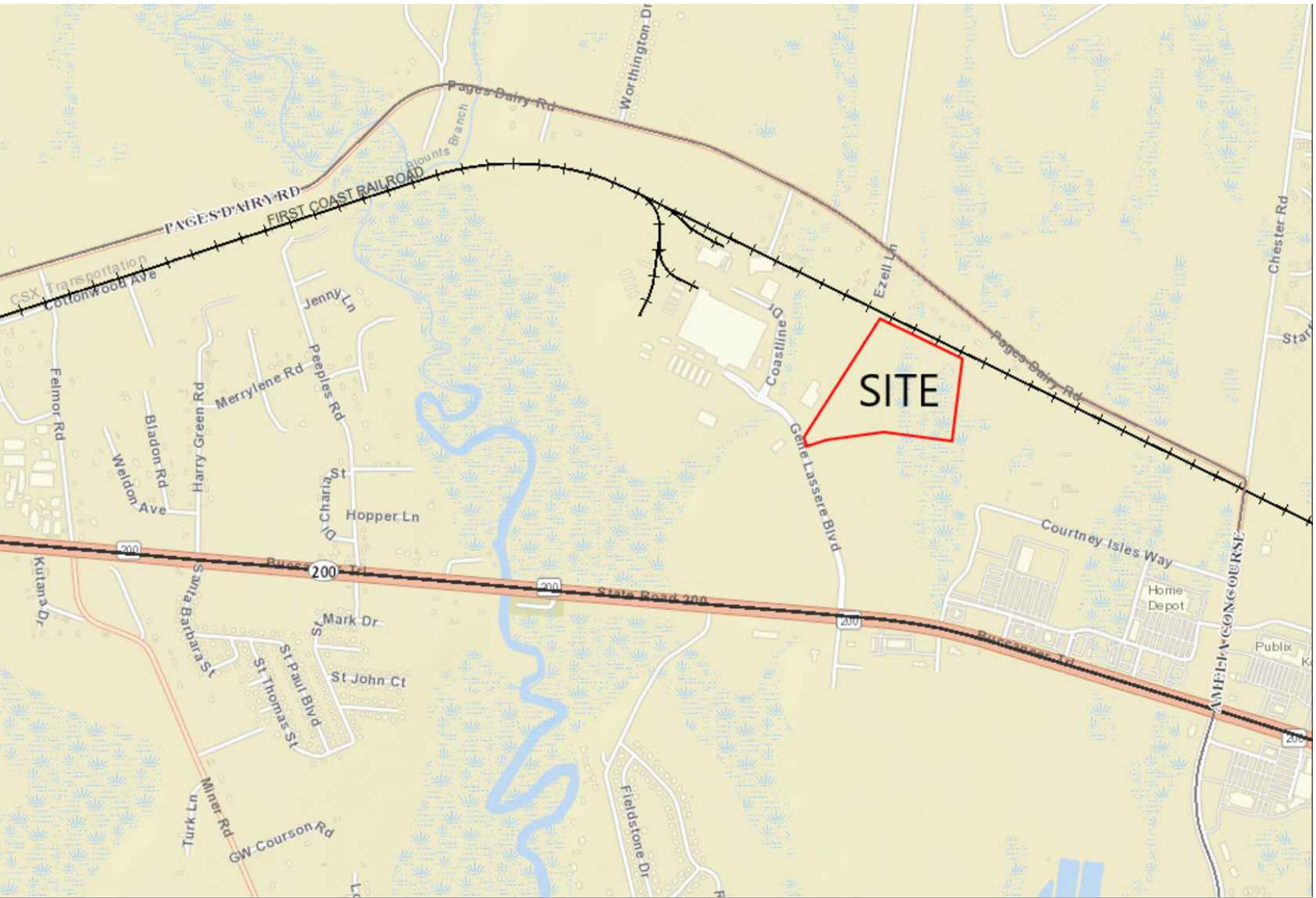


ISSUE DATE: JULY 26, 2023
REVISION DATE: JANUARY 25, 2024

G & A Project
No.: 22-10-14

YULEE RV & BOAT STORAGE
FOR
RED MOON DEVELOPMENT & CONSTRUCTION, INC.
RELEASED FOR CONSTRUCTION BY

SITE LOCATION MAP



NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.									
REGISTERED DESIGN PROFESSIONAL									
ASA R. GILLETTE, P.E. FLORIDA P.E. NO. 56177									
11/21/22 PRELIMINARY BINDING SITE PLAN 1ST SUBMITAL									
05/09/23 PRELIMINARY BINDING SITE PLAN 2ND SUBMITAL									
07/26/23 SEP 1ST SUBMITAL									
01/25/24 SEP 2ND SUBMITAL & DISTRICT 2ND SUBMITAL									
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GILLETTE & ASSOCIATES, INC. CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING CERTIFICATE OF AUTHORIZATION NO. 9332 ASA R. GILLETTE, P.E. * FL PE NO. 56177 31 S. 4th STREET * FERNANDINA BEACH, FL 32034 PHONE: 904-261-8819 * www.gilletteassociates.com									
YULEE RV STORAGE GENE LASSERRE BLVD YULEE, FLORIDA 32034									
ISSUE DATE: 01/25/24									
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SITE / GEOMETRY NOTES		SITE / GEOMETRY NOTES CONT.		SEWER NOTES		INDEX	
1. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTOR'S PRICE FOR PERFORMING THE WORK. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUBSURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT. THE CONTRACTOR IS URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THIS PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO CONSTRUCTION OF THE PROJECT. ALL COSTS ASSOCIATED WITH PRELIMINARY INVESTIGATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. 3. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER. 4. ELEVATIONS ARE BASED ON NAVD DATUM OF 1988. 5. TOPOGRAPHIC AND BOUNDARY INFORMATION WAS PROVIDED BY: MANZIE AND DRAKE LAND SURVEYING (904-491-5700). 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING, RIGHT-OF-WAY PERMITS NOT PROVIDED AND INSURANCE REQUIRED FOR THE PROJECT. 7. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN COUNTY OR STATE RIGHT-OF-WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION & REPAIR. 8. THE CONTRACTOR SHALL ADVISE THE OWNER'S AUTHORIZED REPRESENTATIVE OF PLANNED WORK SCHEDULE. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD, AND THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION. 9. "AS-BUILT" DRAWINGS - AS-BUILTS ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR. THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION, AND SUBMITTAL OF AS-BUILT DRAWINGS. 10. "AS-BUILT" RECORD DATA AND INFORMATION SHALL BE MAINTAINED BY THE CONTRACTOR. RECORD DRAWINGS SHALL BE SUPPLIED TO THE ENGINEER. 11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT. 12. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR ON A DAILY BASIS. 13. ALL EXCESS SUITABLE AND UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE ENGINEER. 14. ALL EXISTING TREES LISTED TO REMAIN SHALL BE PRESERVED AND PROTECTED. 15. THE LOCATION OF ALL EXISTING UTILITIES, STRUCTURES, AND IMPROVEMENTS ON THE DRAWINGS ARE BASED ON LIMITED INFORMATION AND MAY NOT HAVE BEEN FIELD VERIFIED. THE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY OWNERS AND FIELD VERIFY LOCATIONS OF EXISTING UTILITIES AND		OTHER IMPROVEMENTS PRIOR TO COMMENCING ANY CONSTRUCTION. IF THE LOCATIONS SHOWN ARE CONTRARY TO ACTUAL FIELD LOCATIONS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF THE DISCREPANCY. THE DISCREPANCY SHOULD BE RESOLVED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS NEAR EXISTING UTILITY IMPROVEMENTS AND SHALL BE RESPONSIBLE FOR REPAIRS OR PAYMENTS FOR ALL DAMAGE MADE TO EXISTING UTILITIES OR OTHER IMPROVEMENTS. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL GRADES, INVERTS, AND TYPE OF MATERIAL OF EXISTING UTILITIES TO WHICH THEY SHALL CONNECT. 16. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER ON ALL MATERIALS, FOR REVIEW AND APPROVAL, PRIOR TO PURCHASE OR CONSTRUCTION OF ANY UTILITY OR STRUCTURE. 17A. UNSUITABLE MATERIALS UNDER WATER, SEWER, OR STORM PIPE AND/OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO 98% OF IT'S MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557). 17B. ALL FINISH FLOORS SHOWN ON THE PLANS ARE MINIMUM ELEVATIONS 18. GRADES SHOWN ON PLANS ARE EDGE OF PAVEMENT FINISHED GRADES UNLESS OTHERWISE NOTED. 19. SHOULD THE SURFACE OR SUBSURFACE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. 20. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED AND MULCHED UNLESS OTHERWISE SPECIFICALLY STATED. ALL DISTURBED AREAS WITHIN THE NASSAU COUNTY RIGHT OF WAY SHALL BE COVERED WITH BERMUDA SOD. 21. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF SEDIMENT-LADEN RUNOFF RESULTING FROM STORM EVENTS DURING THE CONSTRUCTION PHASE. EROSION CONTROL FACILITIES SHOULD BE INSTALLED EARLY DURING THE CONSTRUCTION PERIOD SO AS TO PREVENT THE TRANSPORT OF SEDIMENT INTO SURFACE WATERS. RE-VEGETATION AND STABILIZATION OF DISTURBED AREAS SHOULD BE ACCOMPLISHED IMMEDIATELY TO REDUCE THE POTENTIAL FOR FURTHER SOIL EROSION. 22. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND COUNTY BEFORE COMMENCING WORK. 23. MINIMUM COVER OVER PIPES SHALL BE 36" UNLESS OTHERWISE INDICATED. 24. ALL UNDERGROUND UTILITY COMPANIES SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION. 25. IN ADDITION TO THE SPECIFICATIONS AND DETAILS PROVIDED FOR THIS CONTRACT, THE NASSAU COUNTY STANDARD DETAILS AND SPECIFICATIONS (LATEST REVISION) SHALL ALSO BE USED FOR ANY ITEMS NOT COVERED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A SET OF STANDARD DETAILS AND SPECIFICATIONS FROM NASSAU COUNTY. 26. BACKFILL MATERIAL SHALL BE COMPACTED TO 100% (2%) UNDER EXISTING AND PROPOSED ROADWAYS. 27. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER. 28. STATIONING REFERS TO THE CENTERLINE OF THE ROADWAY EXCEPT AS NOTED ON PLANS. WHERE PAVEMENT SPLITS, THE STATIONING FOLLOWS THE INSIDE EDGE OF PAVEMENT UNTIL ROADWAY TRANSITIONS BACK TO THE TYPICAL ROADWAY SECTION 29. ALL CONSTRUCTION, MATERIAL, AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH COUNTY STANDARDS. 30. A PRECONSTRUCTION MEETING WITH NASSAU COUNTY ENGINEERING SERVICES CONSTRUCTION INSPECTOR IS REQUIRED (904-530-6225).		1. THE CONTRACTOR SHALL PROVIDE, TO THE ENGINEER OF RECORD , A SCHEDULE OF INVERT ELEVATIONS OF ALL SANITARY MANHOLES PRIOR TO THE PLACEMENT OF THE LIME ROCK BASE COURSE. THIS SCHEDULE TO BE PROVIDED BY THE REGISTERED LAND SURVEYOR SUBMITTING THE "AS-BUILT" DRAWINGS FOR THIS PROJECT. 2. SANITARY SEWER SERVICES SHALL BE 6"PVC WITH A MINIMUM SLOPE OF 0.006 FEET PER FOOT AND SHALL BE TERMINATED AT THE RIGHT-OF-WAY LINE WITH A DEPTH OF 24" TO 48" FROM THE FINAL FINISHED GRADE OF THE DEVELOPED LOTS. DEPTHS GREATER THAN 48" FROM FINAL FINISHED GRADE SHALL BE READJUSTED BY THE DEVELOPER AT HIS COST. 3. GRAVITY SEWER TO BE CLEANED & TV TESTED BY DEVELOPER AT DEVELOPER'S EXPENSE 4. ALL MANHOLE FRAMES AND COVERS TO BE ADJUSTED TO FINAL FINISHED GRADE. 5. A SEPARATE SEWER SERVICE (6" MIN.) SHALL BE PROVIDED TO THE RIGHT-OF-WAY FOR EACH LOT BEING SERVED. AN "S" SHALL BE ETCHED INTO THE CURB DIRECTLY OVER EACH SERVICE LINE OR IN THE STREET SIDE OF A SIDEWALK IN LINE WITH THE CLEANOUT. 6. GRAVITY SEWER TO BE GREEN IN COLOR 7. NEW GRAVITY SEWER SYSTEM SHALL BE PLUGGED AT NEAREST EXISTING DOWNSTREAM MANHOLE AND SHALL NOT BE REMOVED WITHOUT AUTHORIZATION FROM THE UTILITY COMPANY. EXISTING MANHOLES TO BE COREBORED AND ARRANGEMENTS MADE TO BE REFURBISHED WITH COMPATIBLE MATERIALS IF THE EXISTING MANHOLE IS ALLOWED TO BE USED. 8. FINISHED FLOOR ELEVATIONS SHALL BE GREATER (HIGHER) THAN THE ELEVATION OF THE MANHOLE NEAREST THE SERVICE LATERAL IN ORDER TO AVOID A POTENTIAL BACKUP OF SEWERAGE IN THE HOUSE OR BUILDING. 9. ALL GRAVITY SEWER PIPE TO A 10 FOOT DEPTH OF COVER SHALL BE SDR-26 PVC PIPE (MINIMUM). GRAVITY SEWER PIPE WITH COVER OF 15 FEET (AND IN EASEMENTS) AND GREATER SHALL BE C900 - DR18. JOINT SHALL BE OF THE BELL AND SPIGOT TYPE AND MEET THE REQUIREMENTS OF THE PIPE REFERRED BEING USED. 10. WHEN A PROPERTY LINE CAN NOT BE DEFINED, THE SEWER CLEANOUT SHALL BE PLACED IN AN UNPAVED AREA AT A DISTANCE NO GREATER THAN 30 FEET FROM THE SEWER MAIN. 13. SEWER PLUGS USED DURING THE CONSTRUCTION OR CONNECTION TO A SYSTEM SHALL HAVE THE CONTRACTOR'S NAME PERMANENTLY STAMPED. 14. THE MANHOLE LINER SHALL BE SPECTRA SHIELD OR APPROVED EQUIVALENT. 15. IN ACCORDANCE WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) REQUIREMENTS, LEAKAGE TESTING SHALL BE PERFORMED ON ALL SEGMENTS OF THE SEWER SYSTEM. TESTING MAY INCLUDE APPROPRIATE WATER OR LOW PRESSURE AIR TESTING. TEST METHODS SHALL TAKE INTO CONSIDERATION THE RANGE IN GROUNDWATER ELEVATIONS DURING THE TEST AND ANTICIPATED DURING THE DESIGNED LIFE OF THE SEWER. NO LEAKAGE ALLOWED IN SYSTEM. 16. ALL SANITARY SEWER TIE-INS AND OFFSITE CONSTRUCTION TO BE APPROVED & COORDINATED BY/WITH JEA. NO SEWER UTILITY WORK IS ALLOWED IN R.O.W. WITHOUT JEA APPROVAL		SHEET DESCRIPTION CVR COVER SHEET IN-1 INDEX SHEET IN-2 NASSAU COUNTY STANDARD NOTES PRE-1 PREDEVELOPED SITE PLAN GE-1 GEOMETRY PLAN GE-2 ENLARGED GEOMETRY PLAN UT-1 UTILITY PLAN LS-1 LANDSCAPE PLAN DR-1 DRAINAGE PLAN DR-2 ENLARGED DRAINAGE PLAN DR-3 STORMWATER MAINTENANCE PLAN DR-4 ADDITIONAL GRADING PLAN DT-1 MISCELLANEOUS DETAILS DT-2 MISCELLANEOUS DETAILS WDT-1 WATER DETAILS WDT-2 WATER DETAILS SDT-1 SEWER DETAILS SDT-2 SEWER DETAILS EL-1 PHOTOMETRIC SITE PLAN	
						ALL PERMITTING ENTITIES	
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										REGISTERED DESIGN PROFESSIONAL

PROPERTY INFORMATION:

- PID#: 51-3N-27-0000-0001-0260
- ACREAGE: TOTAL PROPERTY: 31.01 ACRES (1,350,796 SF)
TOTAL UPLAND: 15.61 ACRES (679,968 SF)
TOTAL WETLAND: 15.40 ACRES (670,828 SF)
- LOCATION: NASSAU COUNTY, FL
- FLOOD ZONE: X
- ZONING: IW
- FUTURE LAND USE: INDUSTRIAL
- PROPOSED USE: OUTDOOR RV/BOAT STORAGE

DEVELOPMENT REQUIREMENTS:

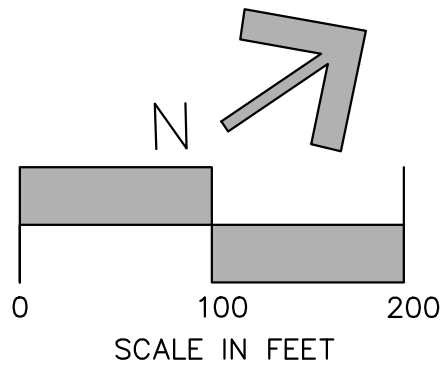
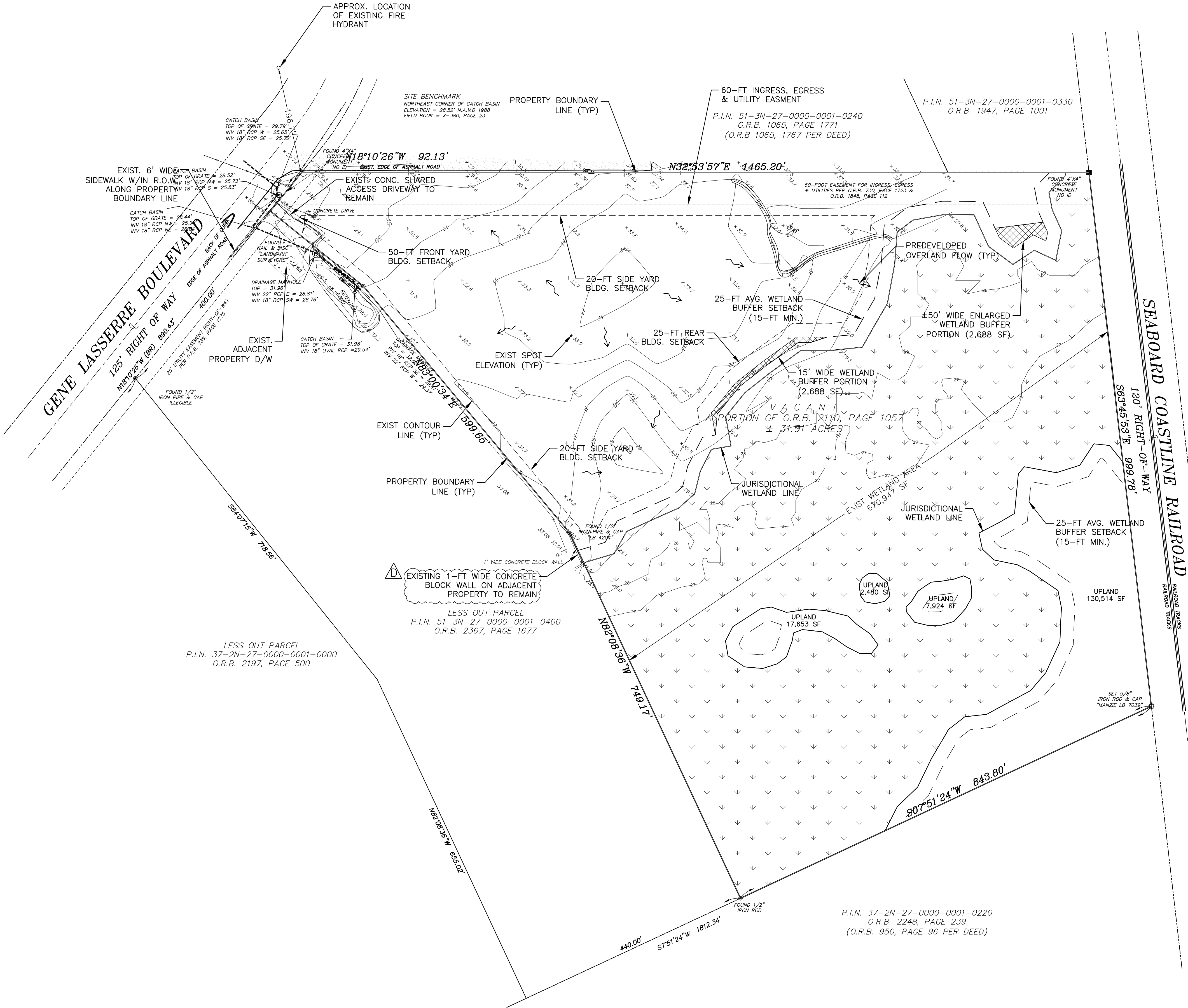
- MAX BUILDING HEIGHT: 45- FEET
- MAX LOT COVERAGE: 35%
- MAX IMPERVIOUS AREA: 75%
- MAX BUILDING COVERAGE: 50%

SETBACKS:

- FRONT: 50- FEET
- SIDE: 20- FEET
- REAR: 25- FEET

UTILITIES:

WATER: J.E.A.
SEWER: J.E.A.
ELECTRIC: F.P.U.



LEGEND	
	CONCRETE
	WETLANDS

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REGISTERED DESIGN PROFESSIONAL	ITEM	DATE	REV
	PRELIMINARY BINDING SITE PLAN 1ST SUBMITTAL	12/21/22	A
	PRELIMINARY BINDING SITE PLAN 2ND SUBMITTAL	05/09/23	B
	SEP 1ST SUBMITTAL	07/26/23	C
REGISTERED DESIGN PROFESSIONAL	SEP 2ND SUBMITTAL & DISTRICT 2ND SUBMITTAL	07/26/24	D

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL PE NO. 56177
31 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

YULEE RV STORAGE
GENE LASSERRE BLVD
YULEE, FLORIDA 32034

ISSUE DATE: 01/25/24	
PREDEVELOPED SITE PLAN	
North / Elev Key Sheet	PRE-1
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PROPERTY INFORMATION:

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DEVELOPMENT REQUIREMENTS:

- MAX BUILDING HEIGHT: 45- FEET
- MAX LOT BUILDING COVERAGE: 35%
- MAX IMPERVIOUS AREA: 75%
- PROPOSED BUILDING HEIGHT: < 35- FEET
- PROPOSED BUILDING COVERAGE: 8.27%
- PROPOSED F.A.R.(%): 8.27%
- PROPOSED IMPERVIOUS AREA: 74.26%

TOTAL LOT AREA: 1,350,796 SF
WETLAND IMP AREA: 670,947 SF
POND IMP AREA: 74,878 SF
CONC. DRIVEWAYS/SIDEWALKS: 148,937 SF
COVERED PARKING/BLDG. DEVELOPMENTS: 108,311 SF
TOTAL IMPERVIOUS AREA: 1,003,073 SF
TOTAL PERVIOUS AREA: 347,723 SF

SETBACKS:

- FRONT: 50- FEET
- SIDE: 20- FEET
- REAR: 25- FEET

UTILITIES:

WATER: J.E.A.
SEWER: J.E.A.
ELECTRIC: F.P.U.

STORAGE CALCULATIONS:

35'X12' RV/BOAT SPACES = 39
30'X12' RV/BOAT SPACES = 191

TOTAL RV/BOAT SPACES = 230

TOTAL 10'X10' STORAGE LOCKERS = 53

PARKING NOTES:

- REQ'D PARKING: INDUSTRIAL USE = (1) SPACE PER (2) EMPLOYEES, PLUS (1) SPACE FOR EVERY COMPANY VEHICLE ON PREMISES

(4) EMPLOYEES = (2) SPOTS RE'D
(0) COMPANY VEHICLES

- PROVIDED PARKING: (2) PARKING SPOTS, (1) ADA PARKING SPOT

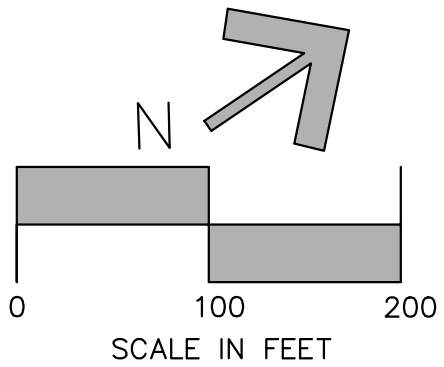
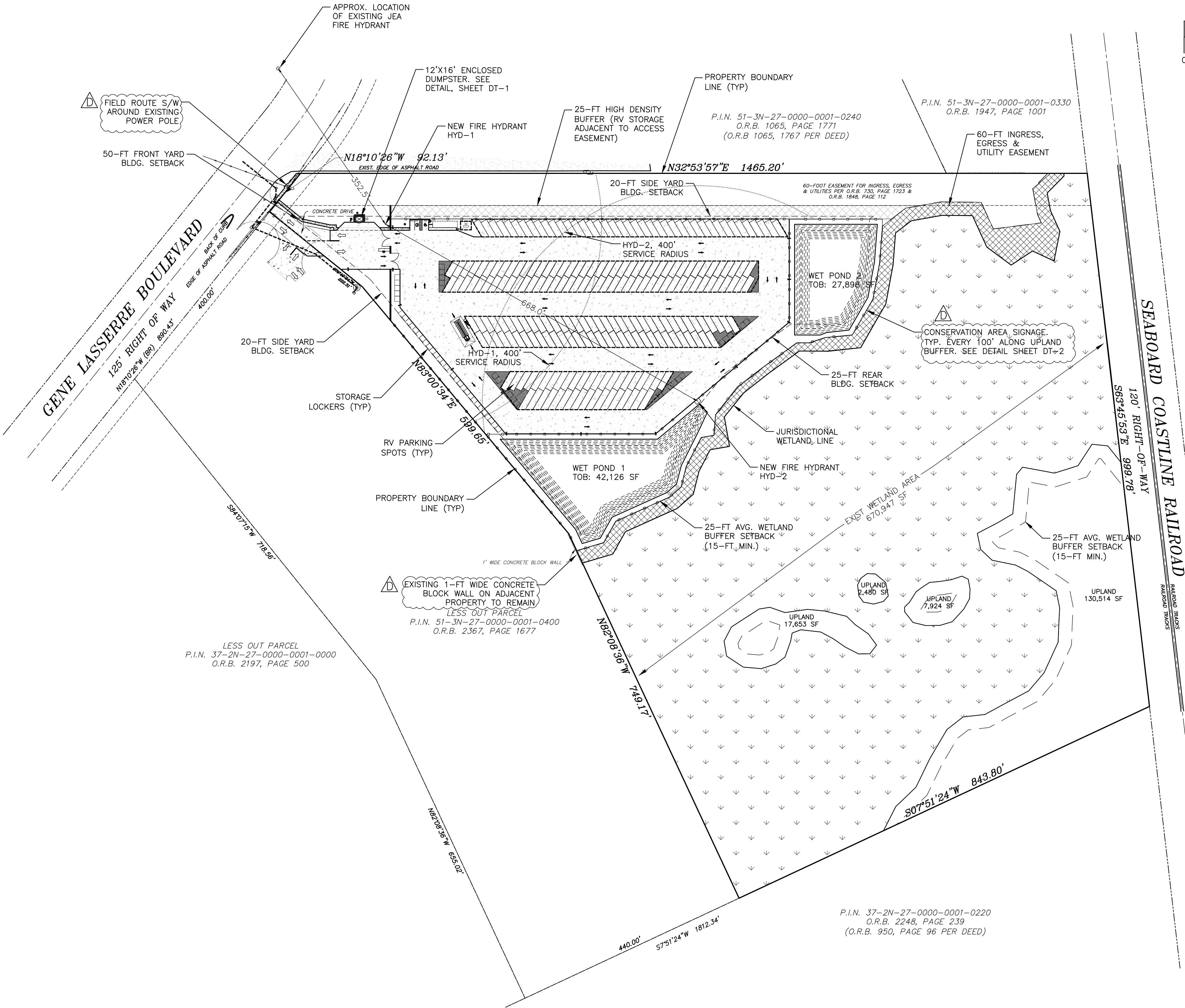
FIRE NOTES:

- 10X10 STORAGE LOCKERS MAX 2,400 SF GROUPING, w/ 10' SEPARATION BETWEEN GROUPINGS, MIN. 1-HR RATED FIRE RATED PARTITION (8 GYP BOARD, TYPE X) BETWEEN LOCKERS

- THE NEAREST FIRE HYDRANT IS LOCATED APPROXIMATELY 200-FT EAST OF THE FRONT PROPERTY LINE. ACROSS GENE LASSERRE BOULEVARD ROAD, A NEW FIRE HYDRANT TO BE INSTALLED ON SITE HAS BEEN NOTED.

LEGEND

CONCRETE WETLANDS



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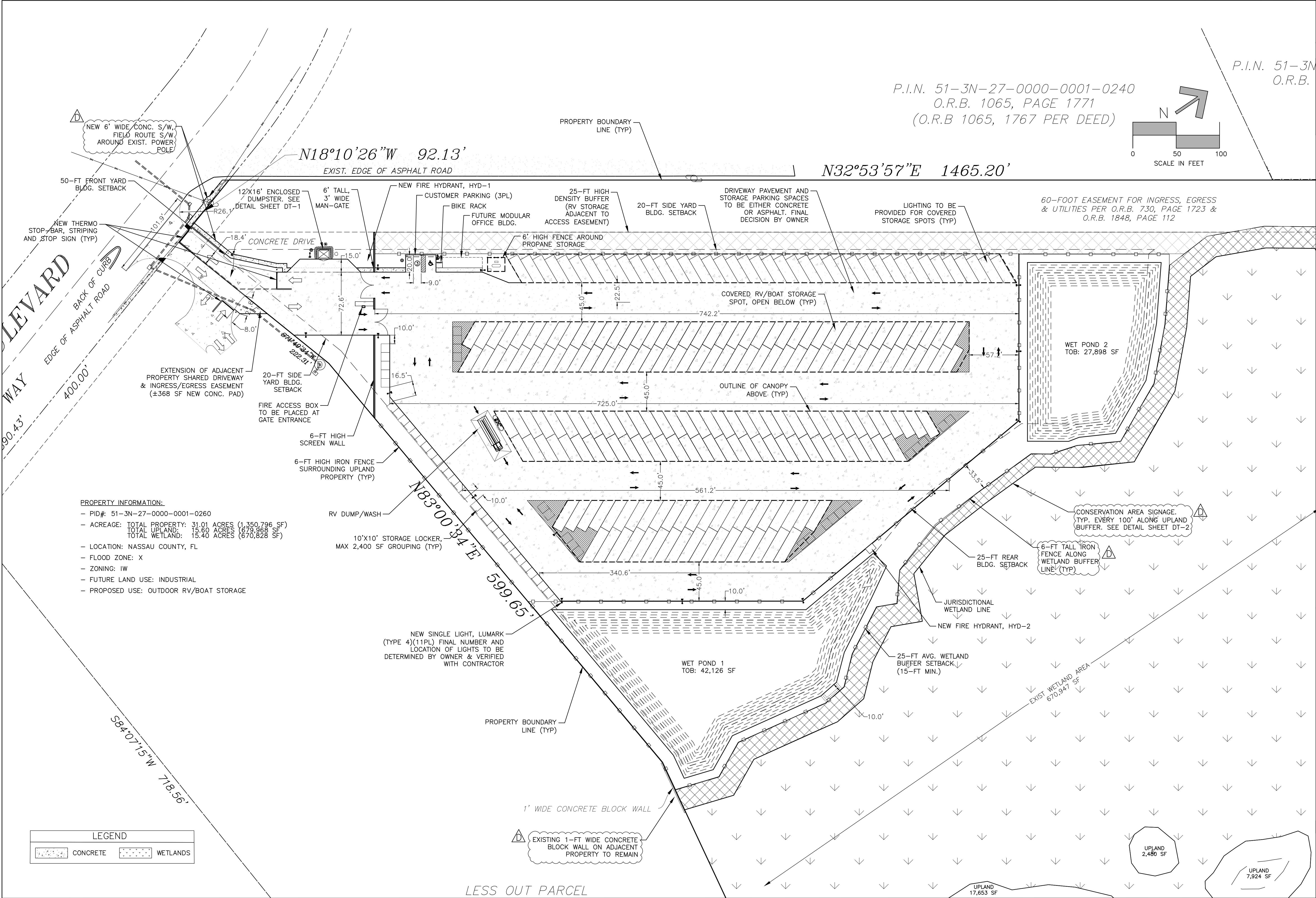
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GEOMETRY
PLAN

North / Elev Key Sheet

GE-1
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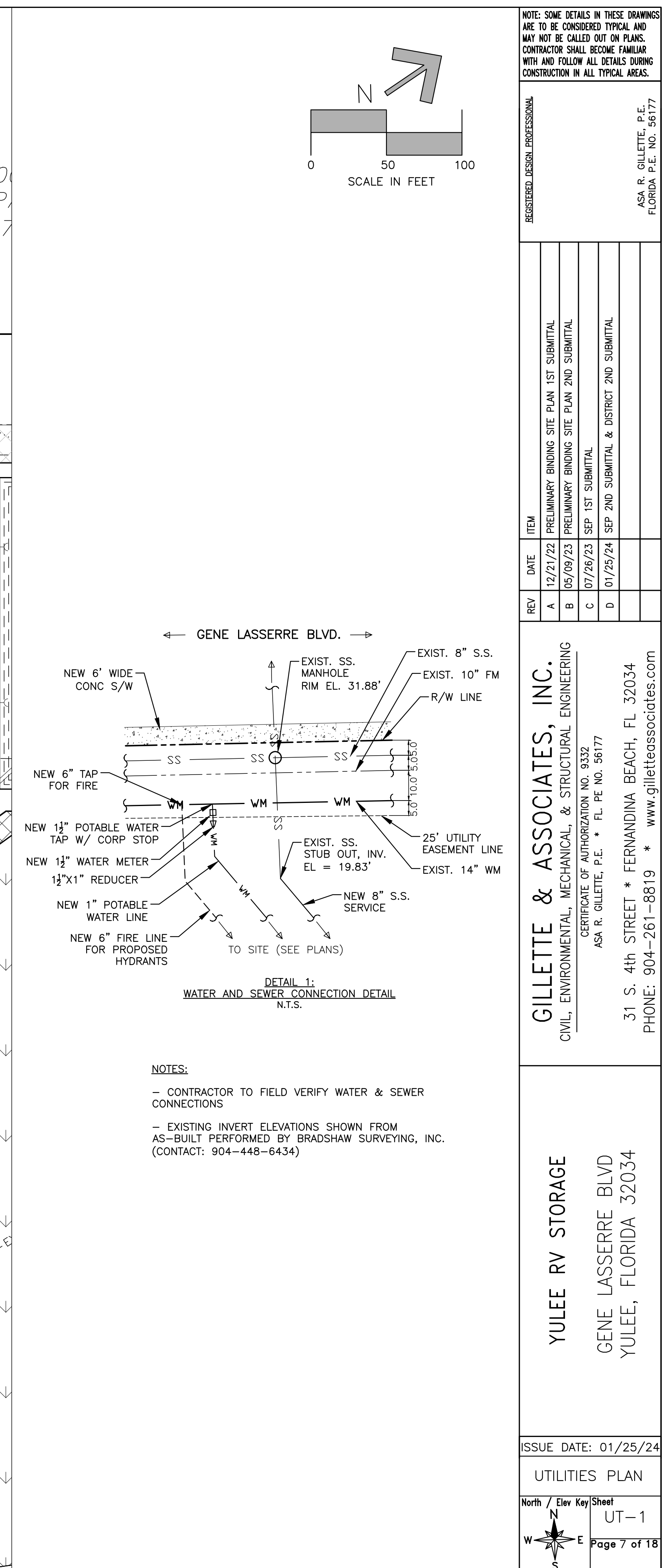
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ENLARGED
GEOMETRY PLAN
North / Elev Key Sheet
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PROPERTY INFORMATION:

- PID#: 51-3N-27-0000-0001-0260
- ACREAGE: TOTAL PROPERTY: 31.01 ACRES (1,350,796 SF)
TOTAL UPLAND: 15.61 ACRES (679,968 SF)
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- FUTURE LAND USE: INDUSTRIAL
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LANDSCAPING NOTES:

- SECTION 37.05.C.3: "NON-RESIDENTIAL DEVELOPMENTS, IN ADDITION TO THE BUFFER AND PERIMETER LANDSCAPING ADJACENT TO A RIGHT-OF-WAY REQUIREMENTS FOUND IN THIS SECTION, EACH COMMERCIAL AND/OR INDUSTRIAL DEVELOPMENT MUST PROVIDE A MINIMUM OF TEN (10) PERCENT OF THE LOT OR PARCEL AS PERVIOUS GREEN SPACE PLANTED WITH ONE OR MORE SPECIES OF TREE LISTED IN TABLES 37-1 OR 37-2 FOR EVERY FIVE HUNDRED (500) SQUARE FEET OF SUCH GREEN SPACE."

REQUIRED GREEN SPACE: 10% OF THE TOTAL LOT

10% * 1,350,796 SF = 135,080 SF REQ'D

- ALL GREEN SPACE PROVIDED BY ISOLATED UPLANDS

EXIST ISOLATED UPLANDS = 158,571 SF

- ALL GREEN SPACE TREES REQ'D PROVIDED BY THE EXISTING TREES LOCATED WITHIN THE ISOLATED UPLANDS AND, PERIMETER SETBACKS, AND ISOLATED WETLANDS

LANDSCAPE BUFFERS:

NORTH:

ADJACENT ACCESS EASEMENT

MIN. 25-FT WIDE

FRONTAGE LENGTH: 960 FT

REQUIRED TREES PER 100 FT OF FRONTAGE:

- 3 CANOPY TREES (TYP, 48 PL) REQ'D
- 30 SHRUBS = 864 SHRUBS REQ'D
- PLANTED TREES MUST BE A MINIMUM OF 3" CAL

PROPOSED PLANTINGS:

- 48 CANOPY TREES (PLANTED TREES)
- 864 SHRUBS (PLANTED SHRUBS)

SOUTH: NONE

EAST: NONE

WEST: NONE

DUMPSTER SCREENING REQUIREMENTS:

DUMPSTER WALL: 40 FT

REQUIRED PLANTINGS:

- (1) SHRUB EVERY 2 FEET = 20 SHRUBS REQ'D
- CANOPY OR UNDERSTORY TREE PER 10

LINEAR FEET OF WALL = 4 TREES REQ'D

PROPOSED PLANTINGS:

- (20) SHRUBS
- (4) TREES

LANDSCAPE NOTES:

- UPON INSPECTION, IF EXISTING VEGETATION DOES NOT ADEQUATELY MEET CODE REQUIREMENTS, ADDITIONAL TREES OR SHRUBS AS SPECIFIED MAY BE REQUIRED TO BE PLANTED.

- HAND REMOVAL OF VINES AND REMOVAL OF INVASIVE SPECIES WILL BE PERMITTED.

- STAGGER SHRUBS TO PROVIDE GREATER DEPTH TO THE SCREENING WHILE STILL MAINTAINING THE REQUIRED 30' SPACING. PROVIDE MORE DIVERSITY IN THE SHRUBS PER 37.05.D.6 - DUMPSTERS AND MECHANICAL EQUIPMENT SHALL BE SCREENED THROUGH THE USE OF A WALL, WHICH IS ONE HUNDRED (100) PERCENT OPAQUE IN CONJUNCTION WITH LANDSCAPING. MINIMUM SCREENING SHALL INCLUDE ONE (1) SHRUB EVERY TWO (2) FEET. THE SHRUB SHALL BE MAINTAINED AT A MINIMUM OF FOUR (4) FEET IN HEIGHT. ONE (1) CANOPY TREE OR UNDERSTORY TREE PER TEN (10) LINEAR FEET OF WALL OR FENCE, UNLESS SAID FENCE OR WALL IS LESS THAN EIGHT (8) FEET IN LENGTH. THEY SHALL BE LOCATED AT THE SIDE OR REAR OF THE BUILDING AND SCREENED FROM ALL RIGHTS-OF-WAY.

TREE PLANTING:

- ALL TREES SHALL BE STAKED OR GUYED FOR A PERIOD OF AT LEAST SIX (6) MONTHS IN ACCORDANCE WITH THE DETAILS ON THIS SHEET.

MAINTENANCE REQUIREMENTS:

- NASSAU COUNTY LAND DEVELOPMENT CODE SECTION 37.05 (1): THE PROPERTY OWNER IS RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE AREAS REQUIRED BY THIS SECTION. MAINTENANCE INCLUDES IRRIGATING, TRIMMING, FERTILIZING AND CARRYING OUT THOSE ACTIVITIES NECESSARY TO KEEP THE PLANT MATERIAL IN A HEALTHY AND GROWING CONDITION, MAINTAIN VISUAL CLEARANCE AND ALLOW PASSAGE OF VEHICLES AND PEDESTRIANS ON PUBLIC ROADS AND NON-EXCLUSIVE EASEMENTS.

PLANT MATERIAL:

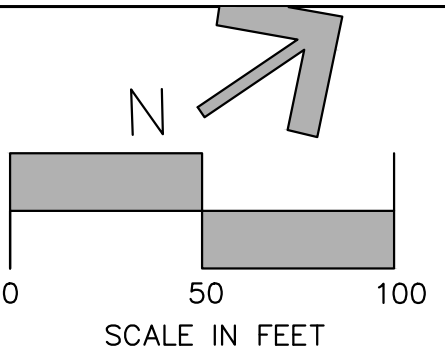
- NASSAU COUNTY LAND DEVELOPMENT CODE SECTION 37.05 (1): ALL INSTALLED TREES, SHRUBS AND GROUND COVERS SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE #3 OR BETTER ACCORDING TO THE CURRENT EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS" PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY. SYNTHETIC OR ARTIFICIAL TREES, SHRUBS, GROUND COVERS OR VINES ARE NOT ACCEPTABLE SUBSTITUTES. IN CHOOSING PLANT MATERIALS, CONSIDERATION SHOULD BE GIVEN TO THE AMOUNT OF SUN OR SHADE, THE WETNESS OR DRYNESS OF THE SOIL, THE EFFECT OF SALT SPRAY (WHERE APPLICABLE), THE AMOUNT OF IRRIGATION REQUIRED AND THE MATURE SIZE AND SPATIAL NEEDS OF PLANTS CHOSEN.

PLANT SCHEDULE				
SYMBOL	QTY.	KEY	SPECIES	SIZE/REMARKS
	12	RM	ACER RUBRUM	3" CAL MIN.
	15	SM	RED MAPLE	3" CAL MIN.
	13	LD	MAGNOLIA GRANDIFLORA	3" CAL MIN.
	13	LD	SOUTHERN MAGNOLIA	3" CAL MIN.
	13	LD	QUERCUS VIRGINIANA	3" CAL MIN.
	13	LD	LIVE OAK	3" CAL MIN.
	13	FD	CORNUS FLORIDA	3" CAL MIN.
	13	FD	FLOWERING DOGWOOD	3" CAL MIN.
	1,000' DF SCREENING SHRUBS (884 SHRUBS TOTAL)	-	PITTOSPORUM TOBIRA	18" HT. MIN. PLANTED AT 24" O.C. ALONG DUMPSTER SCREENING HEDGE
		-	CHEESEWOOD	18" HT. MIN. PLANTED AT 30" O.C. ALONG OTHER SCREENING HEDGES

SCHEDULE NOTES:

1. SPECIES LISTED ARE EXAMPLE ONLY. FINAL APPROVAL OF SPECIES BY OWNER.
2. SPECIES SHOWN MAY BE SUBSTITUTED BY WITH APPROVED SPECIES PER L.D.C. SECTION 37.05 BASED ON AVAILABILITY, SOIL CONDITIONS, ETC.
3. IF DRAWING MODIFICATIONS ARE UNDERTAKEN, CHANGES IN THE L.D.C. MAY APPLY.

LEGEND	
	CONCRETE
	WETLANDS



60-FT INGRESS, EGRESS & UTILITY EASEMENT

PROPERTY BOUNDARY LINE (TYP)

P.I.N. 51-3N-27-0000-0001-0240
O.R.B. 1065, PAGE 1771
(O.R.B 1065, 1767 PER DEED)

N18°10'26"W 92.13'

EXIST. EDGE OF ASPHALT ROAD

N32°53'57"E 1465.20'

60-FOOT EASEMENT FOR INGRESS, EGRESS & UTILITIES PER O.R.B. 730, PAGE 1723 & O.R.B. 1848, PAGE 112

CONCRETE DRIVE

DUMPSTER SCREENING
SEE SHEET DT-1
(40 LF, 20 SHRUBS
TOTAL, 24" O.C.)

CANOPY TREE
(TYP, 48 PL)
SEE PLANT SCHEDULE
THIS SHEET

25-FT HIGH DENSITY
BUFFER (RV STORAGE
ADJACENT TO ACCESS
EASEMENT)

6-FT HIGH IRON FENCE
SURROUNDING UPLAND
PROPERTY (TYP)

20-FT SIDE YARD
BLDG. SETBACK

WET POND 2
TOB: 27,898 SF

20-FT SIDE YARD
BLDG. SETBACK

PROPERTY BOUNDARY
LINE (TYP)

N83°00'34"E 599.65'

WET POND 1
TOB: 42,126 SF

25-FT REAR
BLDG. SETBACK

JURISDICTIONAL
WETLAND LINE

25-FT AVG. WETLAND
BUFFER SETBACK
(15-FT MIN.)

EXIST WETLAND AREA
670,947 SF

UPLAND
2,480 SF

UPLAND
7,924 SF

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REGISTERED DESIGN PROFESSIONAL

ITEM

DATE

REV

12/21/22

05/09/23

07/26/23

01/25/24

PRELIMINARY BINDING SITE PLAN 1ST SUBMITTAL

PRELIMINARY BINDING SITE PLAN 2ND SUBMITTAL

SEP 1ST SUBMITTAL

SEP 2ND SUBMITTAL & DISTRICT 2ND SUBMITTAL

SEP 2ND SUBMITTAL

SEP 2ND SUBMITTAL

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GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL PE NO. 56177

31 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

YULEE RV STORAGE

GENE LASSERRE BLVD
YULEE, FLORIDA 32034

ISSUE DATE: 01/25/24

LANDSCAPE
PLAN

North / Elev Key/Sheet

W N E S LS-1

Page 8 of 18

PROPERTY INFORMATION:

- PID#: 51-3N-27-0000-0001-0260
- ACREAGE: TOTAL PROPERTY: 31.01 ACRES (1,350,796 SF)
TOTAL UPLAND: 15.60 ACRES (679,968 SF)
TOTAL WETLAND: 15.40 ACRES (670,828 SF)
- LOCATION: NASSAU COUNTY, FL
- FLOOD ZONE: X
- ZONING: IW
- FUTURE LAND USE: INDUSTRIAL
- PROPOSED USE: OUTDOOR RV/BOAT STORAGE

DEVELOPMENT REQUIREMENTS:

- MAX BUILDING HEIGHT: 45- FEET
- MAX LOT BUILDING COVERAGE: 35%
- MAX IMPERVIOUS AREA: 75%
- PROPOSED BUILDING HEIGHT: < 35- FEET
- PROPOSED BUILDING COVERAGE: 8.27%
- PROPOSED F.A.R.(%): 8.27%
- PROPOSED IMPERVIOUS AREA: 74.26%

TOTAL LOT AREA: 1,350,796 SF

WETLAND IMP. AREA: 670,947 SF

POND IMP. AREA: 74,878 SF

CONC. DRIVEWAYS/SIDEWALKS: 148,937 SF

COVERED PARKING/BLDG. DEVELOPMENTS: 108,311 SF

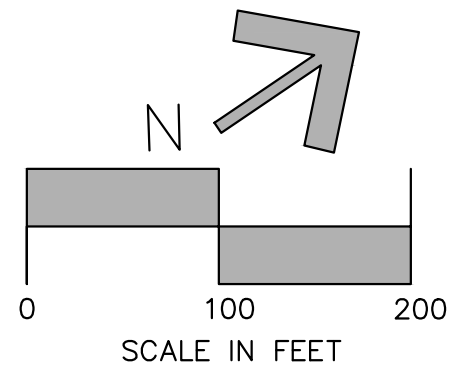
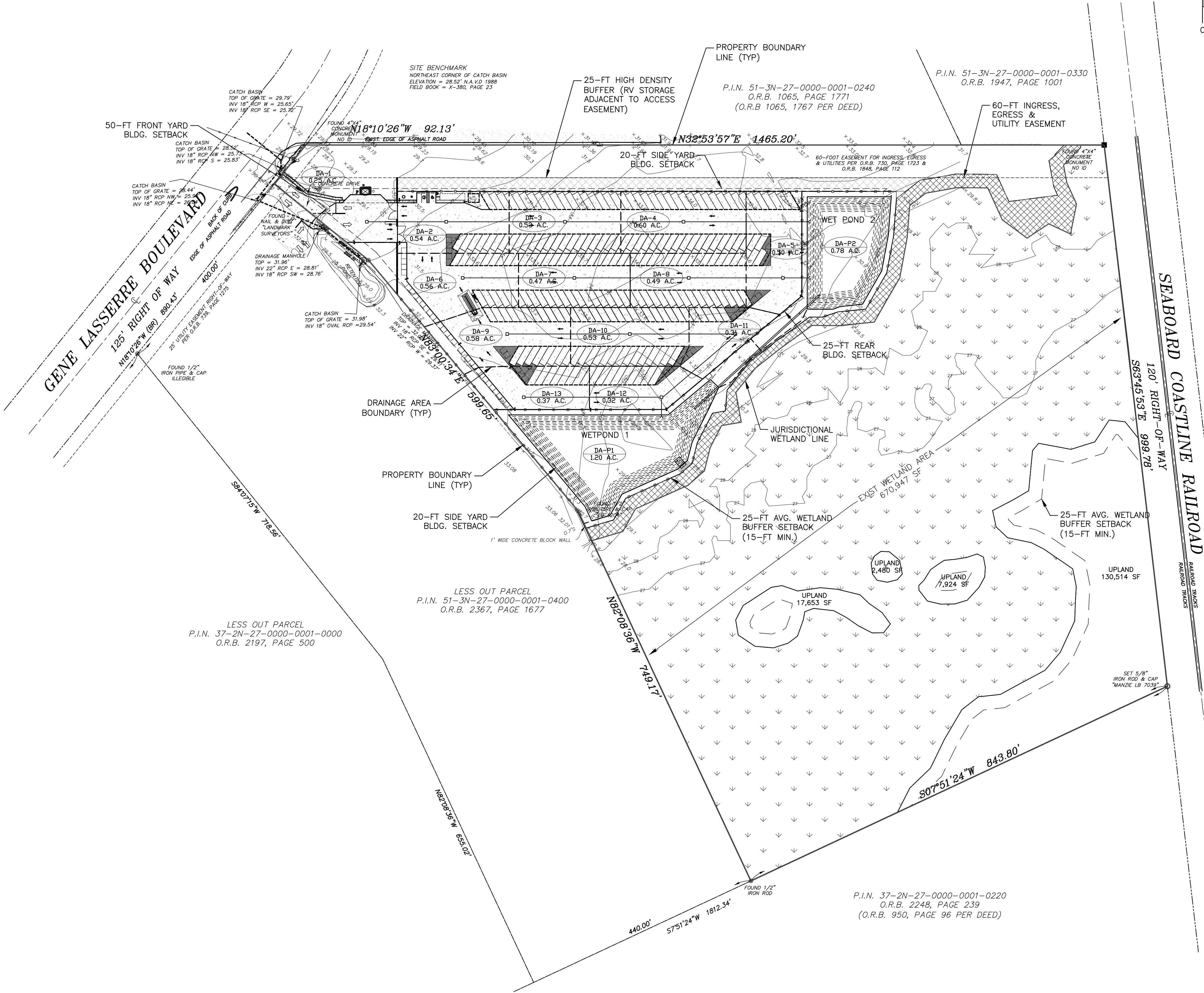
TOTAL IMPERVIOUS AREA: 1,003,073 SF

TOTAL PERVIOUS AREA: 347,723 SF

DRAINAGE AREA TABLE		
DRAINAGE AREA I.D.	DRAINAGE INLET	DRAINAGE AREA (Ac)
DA-1	S-1	0.25
DA-2	S-2	0.54
DA-3	S-3	0.53
DA-4	S-4	0.60
DA-5	S-9	0.50
DA-6	S-6	0.56
DA-7	S-7	0.47
DA-8	S-8	0.49
DA-9	S-11	0.58
DA-10	S-12	0.53
DA-11	S-13	0.31
DA-12	S-14	0.32
DA-13	S-16	0.37
DA-POND-1	-	1.20
DA-POND-2	-	0.78

LEGEND

- CONCRETE
- WETLANDS



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REGISTERED DESIGN PROFESSIONAL

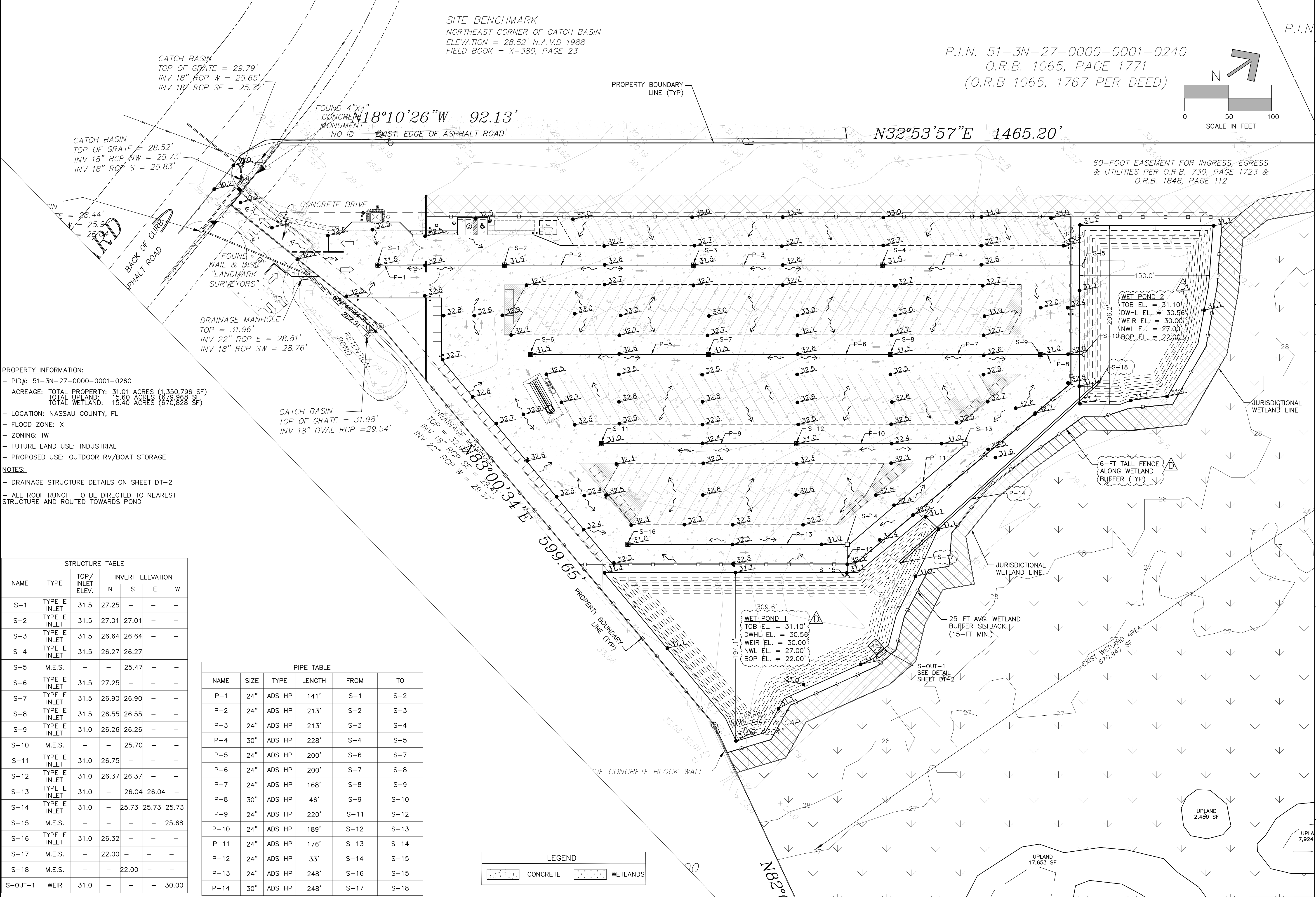
REV	DATE	ITEM
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YULEE RV STORAGE
GENE LASSERRE BLVD
YULEE, FLORIDA 32034

ISSUE DATE: 01/25/24

DRAINAGE
PLAN



PROPERTY INFORMATION:

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- LOCATION: NASSAU COUNTY, FL
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- ZONING: IW
- FUTURE LAND USE: INDUSTRIAL
- PROPOSED USE: OUTDOOR RV/BOAT STORAGE

NOTES:

- DRAINAGE STRUCTURE DETAILS ON SHEET DT-2
- ALL ROOF RUNOFF TO BE DIRECTED TO NEAREST STRUCTURE AND ROUTED TOWARDS POND

STRUCTURE TABLE						
NAME	TYPE	TOP/ INLET ELEV.	INVERT ELEVATION			
			N	S	E	W
S-1	TYPE E INLET	31.5	27.25	—	—	—
S-2	TYPE E INLET	31.5	27.01	27.01	—	—
S-3	TYPE E INLET	31.5	26.64	26.64	—	—
S-4	TYPE E INLET	31.5	26.27	26.27	—	—
S-5	M.E.S.	—	—	25.47	—	—
S-6	TYPE E INLET	31.5	27.25	—	—	—
S-7	TYPE E INLET	31.5	26.90	26.90	—	—
S-8	TYPE E INLET	31.5	26.55	26.55	—	—
S-9	TYPE E INLET	31.0	26.26	26.26	—	—
S-10	M.E.S.	—	—	25.70	—	—
S-11	TYPE E INLET	31.0	26.75	—	—	—
S-12	TYPE E INLET	31.0	26.37	26.37	—	—
S-13	TYPE E INLET	31.0	—	26.04	26.04	—
S-14	TYPE E INLET	31.0	—	25.73	25.73	25.73
S-15	M.E.S.	—	—	—	—	25.68
S-16	TYPE E INLET	31.0	26.32	—	—	—
S-17	M.E.S.	—	22.00	—	—	—
S-18	M.E.S.	—	—	22.00	—	—
S-OUT-1	WEIR	31.0	—	—	—	30.00

PIPE TABLE					
NAME	SIZE	TYPE	LENGTH	FROM	TO
P-1	24"	ADS HP	141'	S-1	S-2
P-2	24"	ADS HP	213'	S-2	S-3
P-3	24"	ADS HP	213'	S-3	S-4
P-4	30"	ADS HP	228'	S-4	S-5
P-5	24"	ADS HP	200'	S-6	S-7
P-6	24"	ADS HP	200'	S-7	S-8
P-7	24"	ADS HP	168'	S-8	S-9
P-8	30"	ADS HP	46'	S-9	S-10
P-9	24"	ADS HP	220'	S-11	S-12
P-10	24"	ADS HP	189'	S-12	S-13
P-11	24"	ADS HP	176'	S-13	S-14
P-12	24"	ADS HP	33'	S-14	S-15
P-13	24"	ADS HP	248'	S-16	S-15
P-14	30"	ADS HP	248'	S-17	S-18

LEGEND	
	CONCRETE
	WETLANDS

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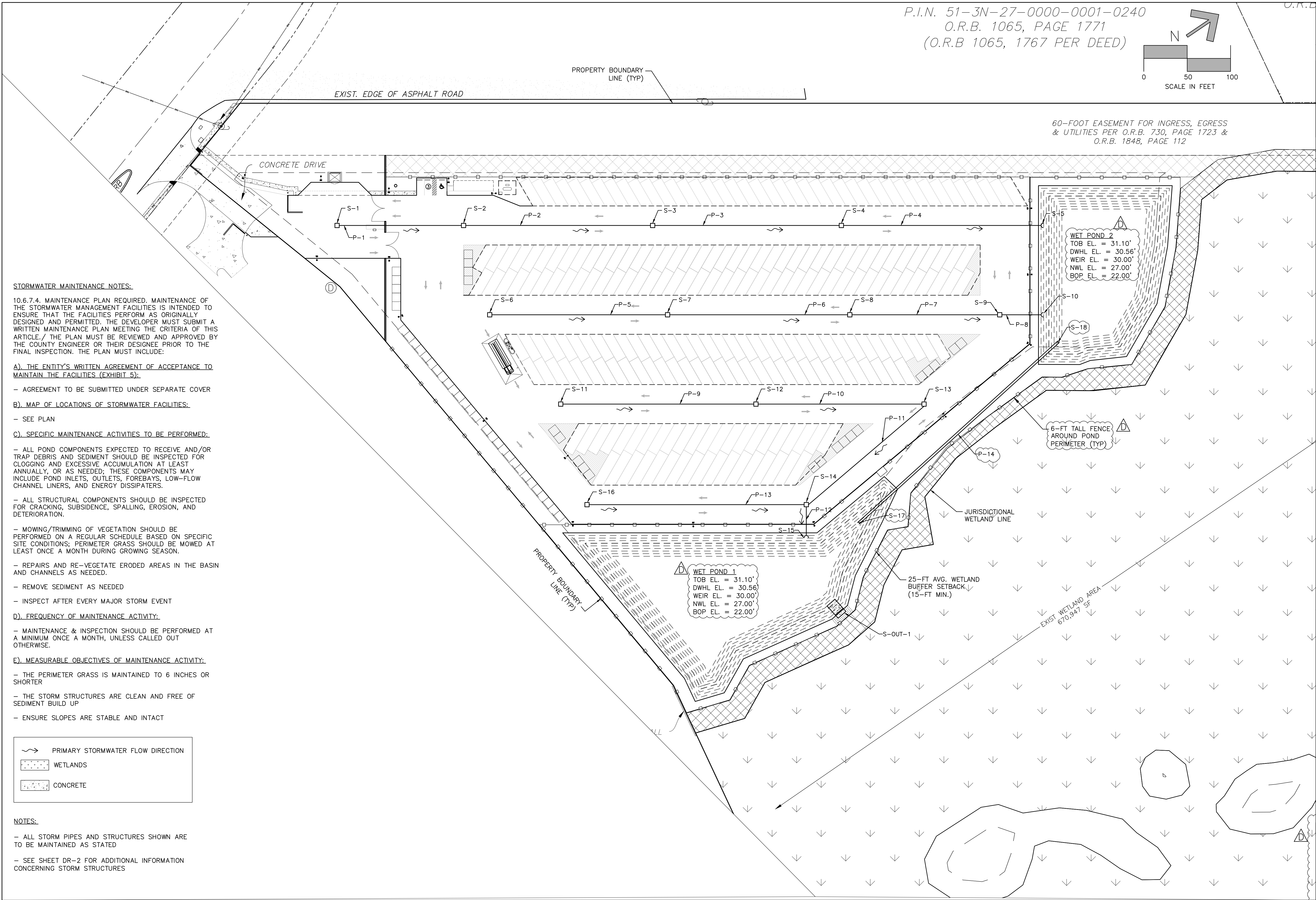
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YULEE RV STORAGE
GENE LASSERRE BLVD
YULEE, FLORIDA 32034

ISSUE DATE: 01/25/24
ENLARGED DRAINAGE PLAN

North / Elev Key/Sheet
W E S
DR-2
Page 10 of 18



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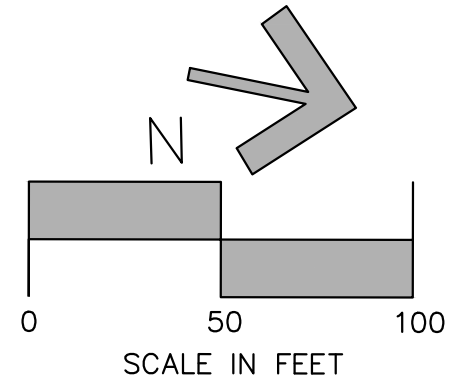
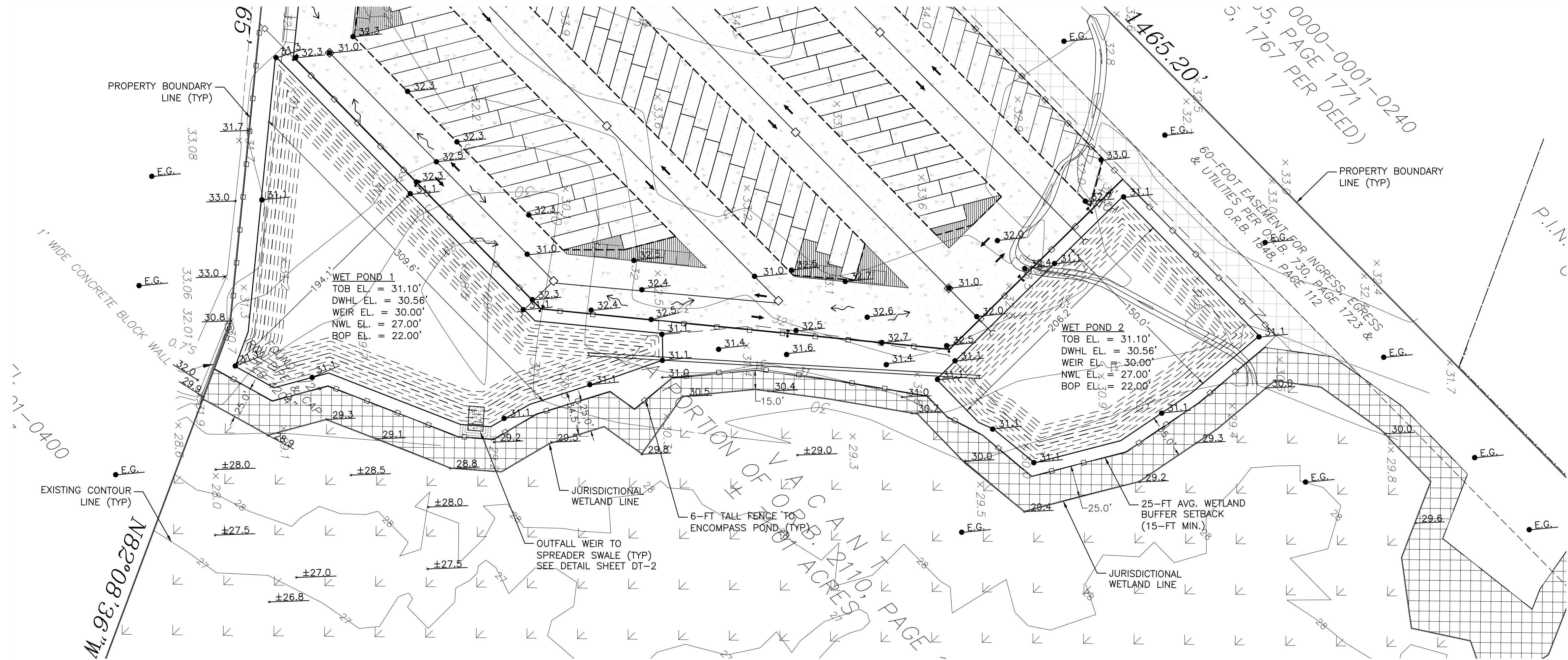
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ISSUE DATE: 01/25/24
STORMWATER MAINTENANCE PLAN

North / Elev Key Sheet
W N E S
DR-3
Page 1 of 18

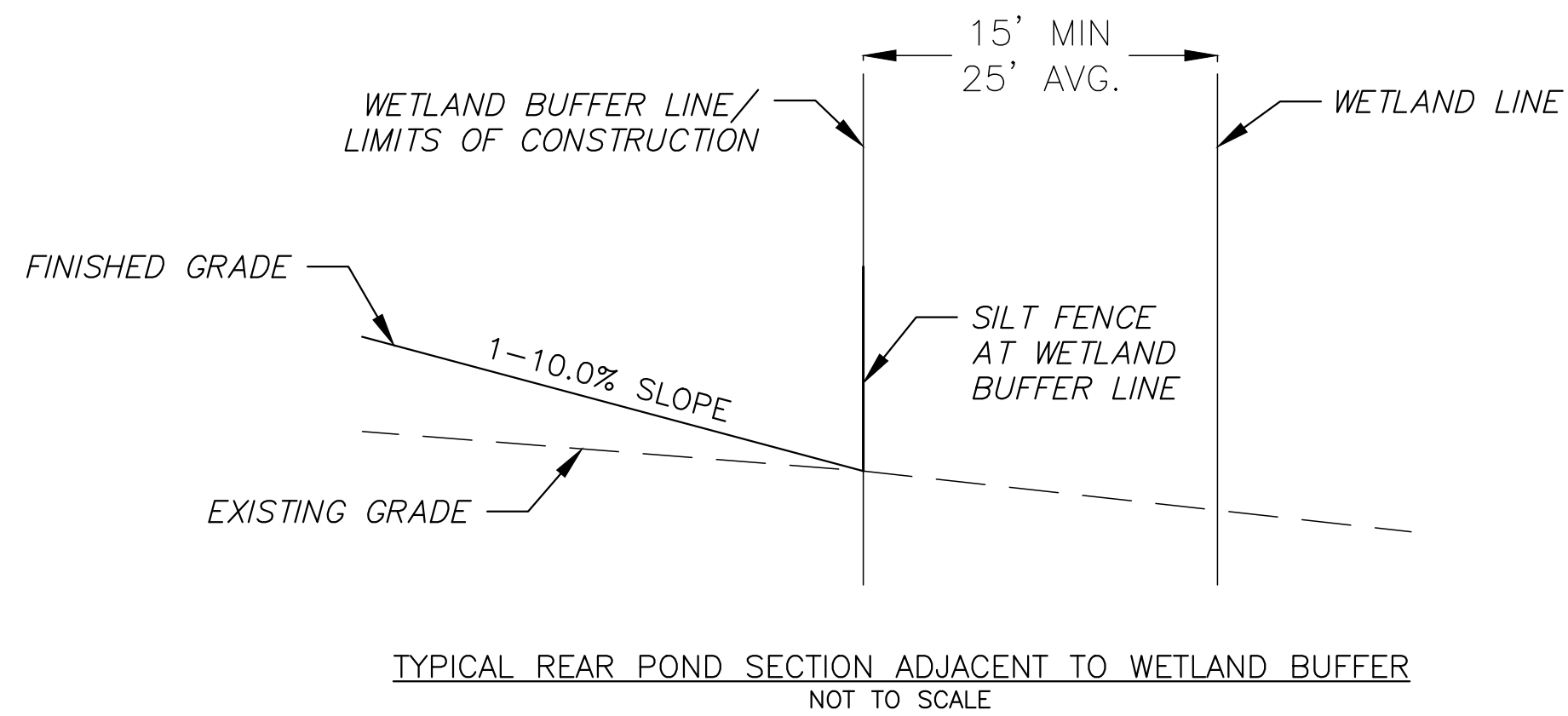


PROPERTY INFORMATION:

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TOTAL WETLAND: 15.40 ACRES (670,828 SF)
- LOCATION: NASSAU COUNTY, FL
- FLOOD ZONE: X
- ZONING: IW
- FUTURE LAND USE: INDUSTRIAL
- PROPOSED USE: OUTDOOR RV/BOAT STORAGE

NOTES:

- NO WETLAND IMPACTS ARE TO OCCUR
- NO SOIL IS TO BE DISTURBED PAST THE WETLAND LINE
- SLOPE BACK TO GRADE FROM REAR OF POND TO EXIST GRADE AT A 3:1 SLOPE
- IMPLEMENT CONSTRUCTION METHODS TO MINIMIZE SOIL INTERFERENCE WITHIN THE WETLAND BUFFER



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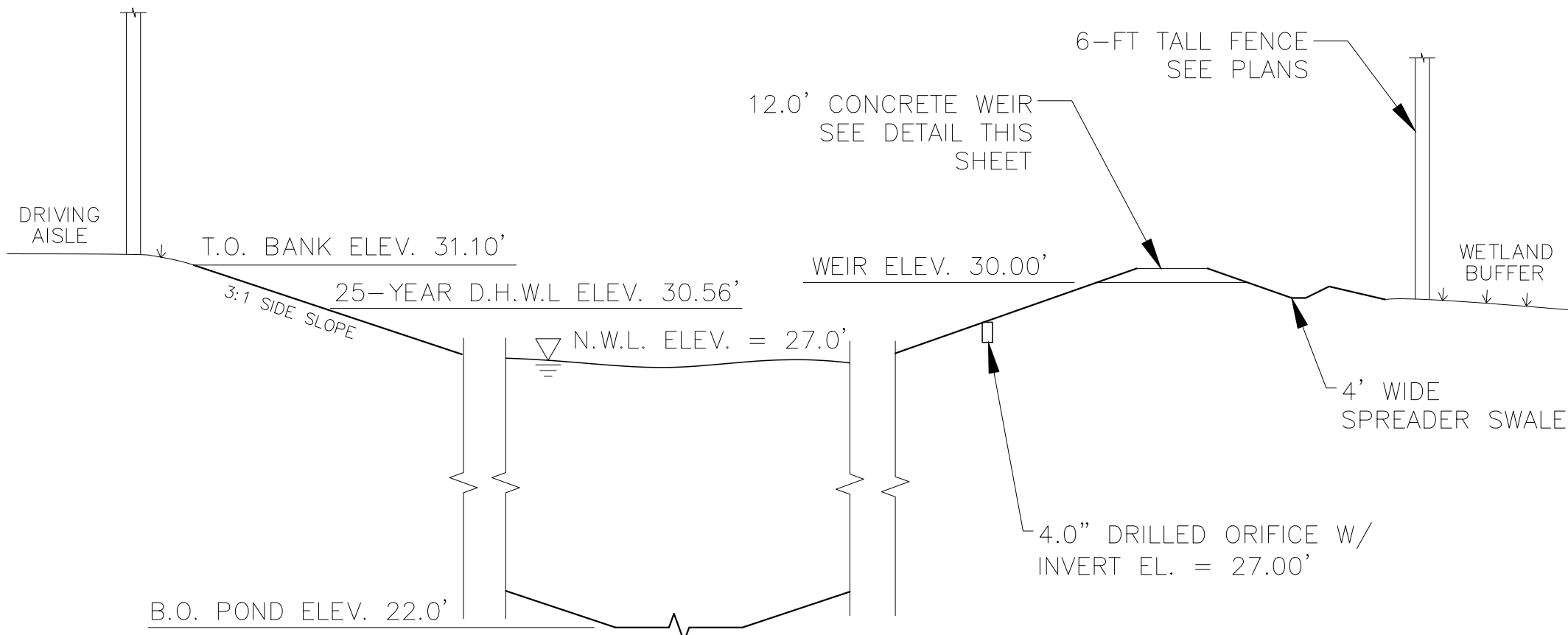
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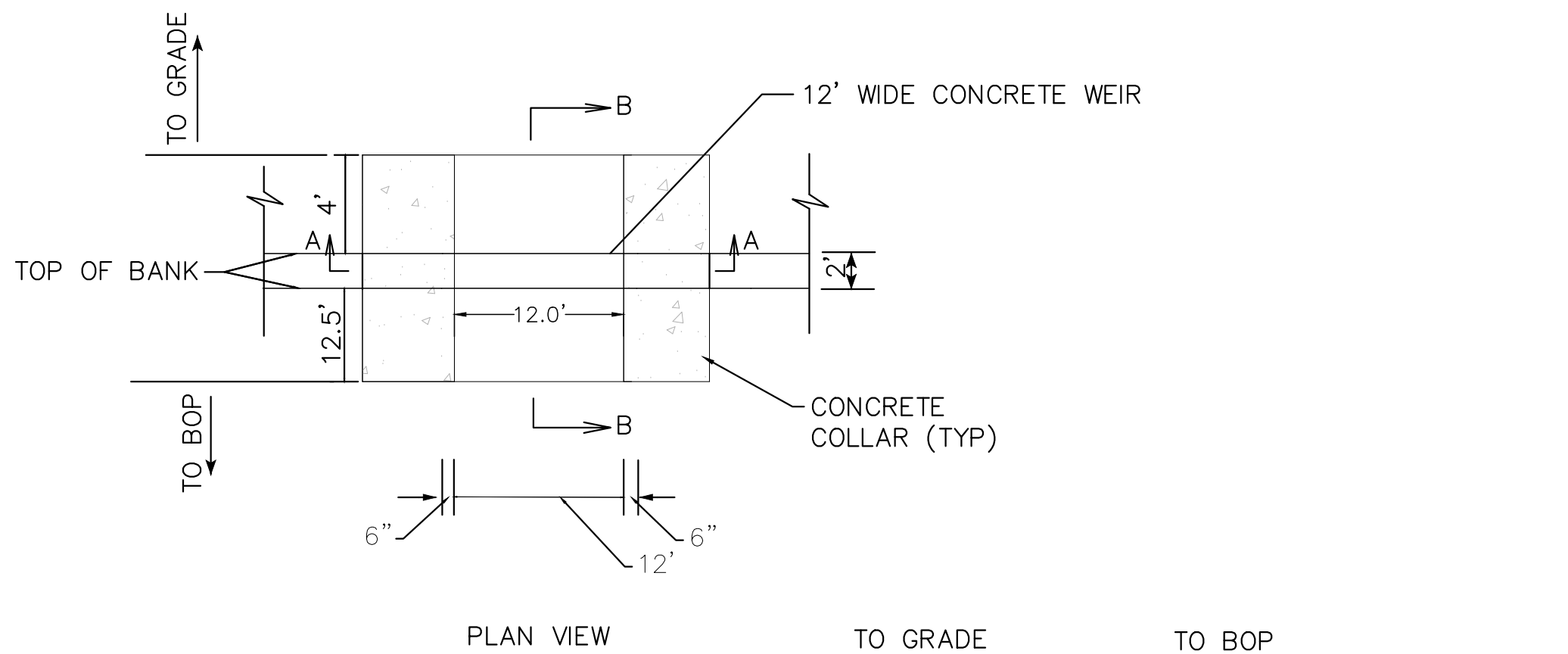
ADDITIONAL
GRADING PLAN

North / Elev Key Sheet
W N E S
DR-4
Page 12 of 18

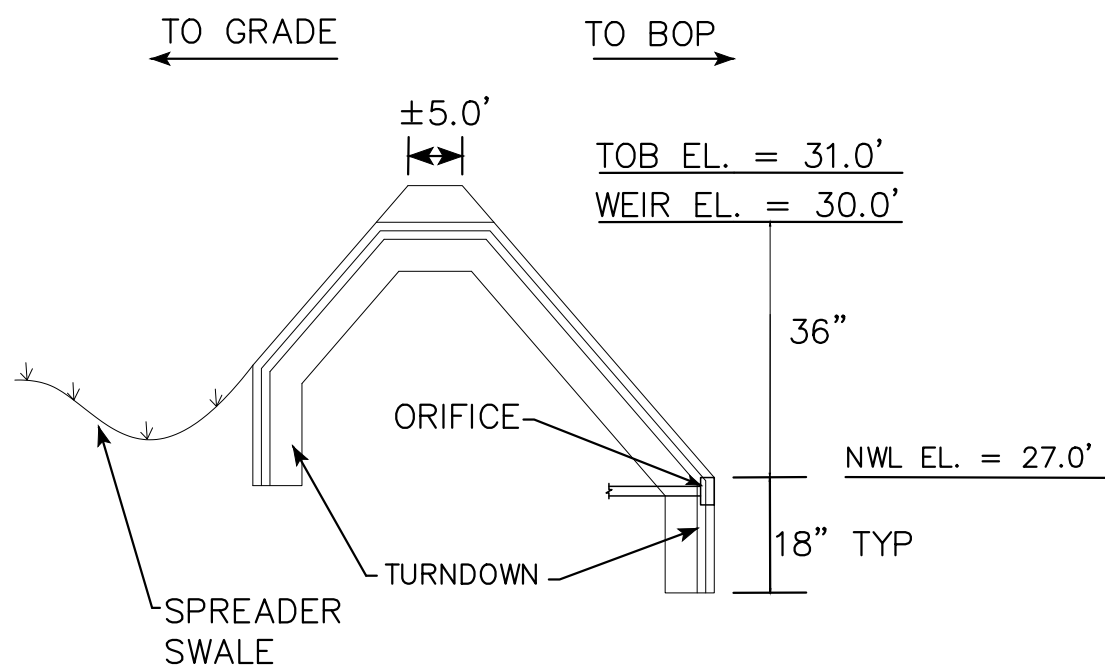


N/S SECTION

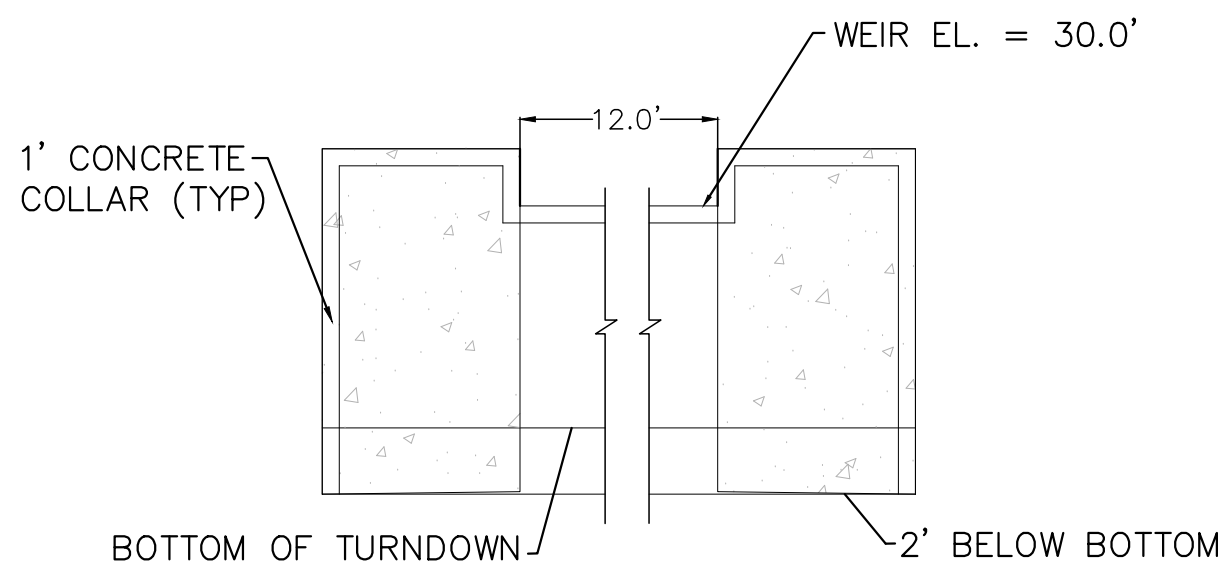
POND DETAIL



PLAN VIEW

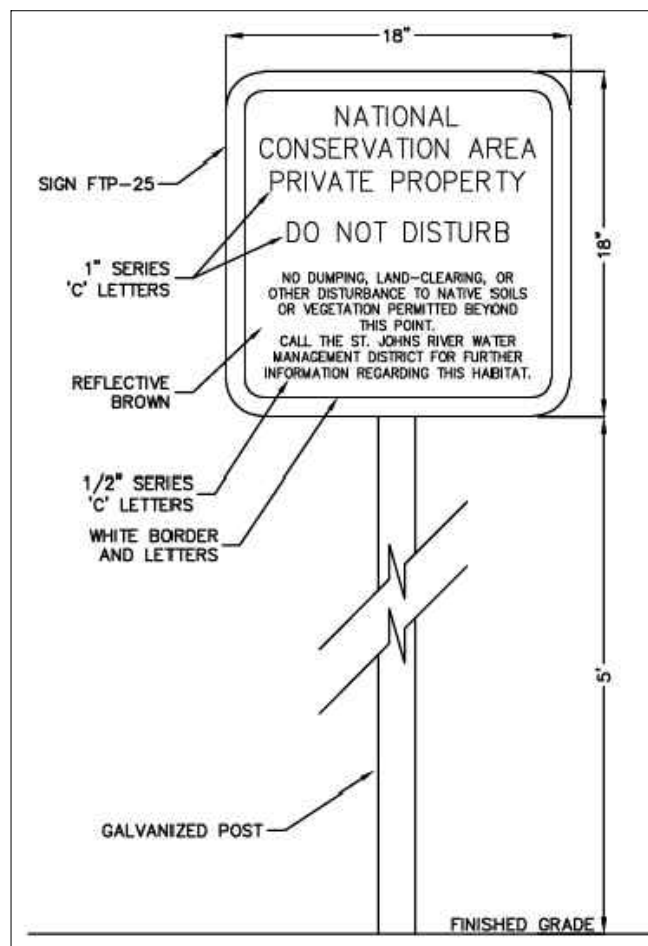


SECTION B-B



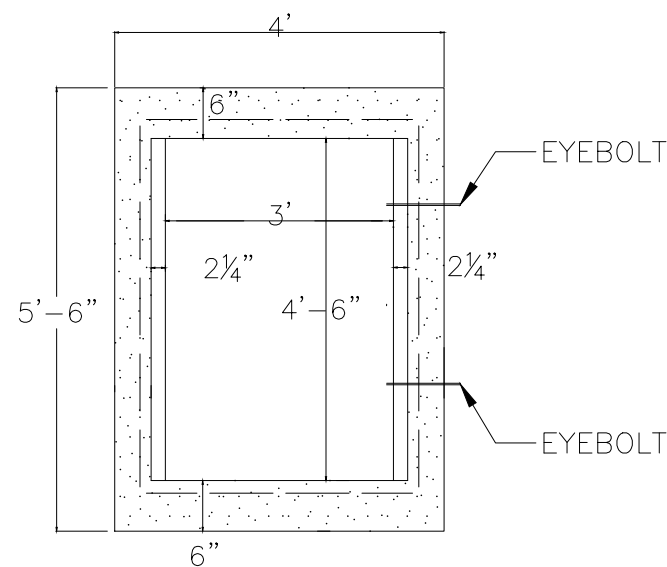
SECTION A-A

WEIR DETAIL

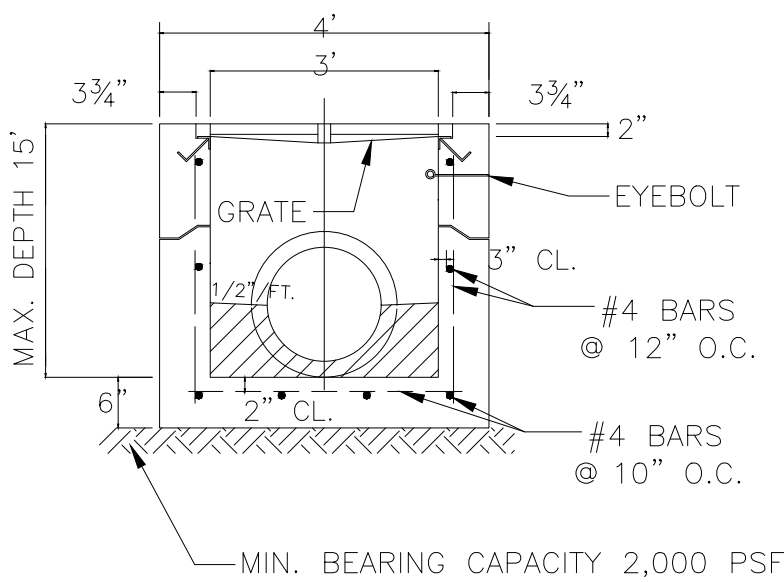


NOTE: SIGN CONSTRUCTION, DESIGN AND PLACEMENT SHALL COMPLY WITH STATE AND LOCAL STATUTES

CONSERVATION AREA SIGN DETAIL



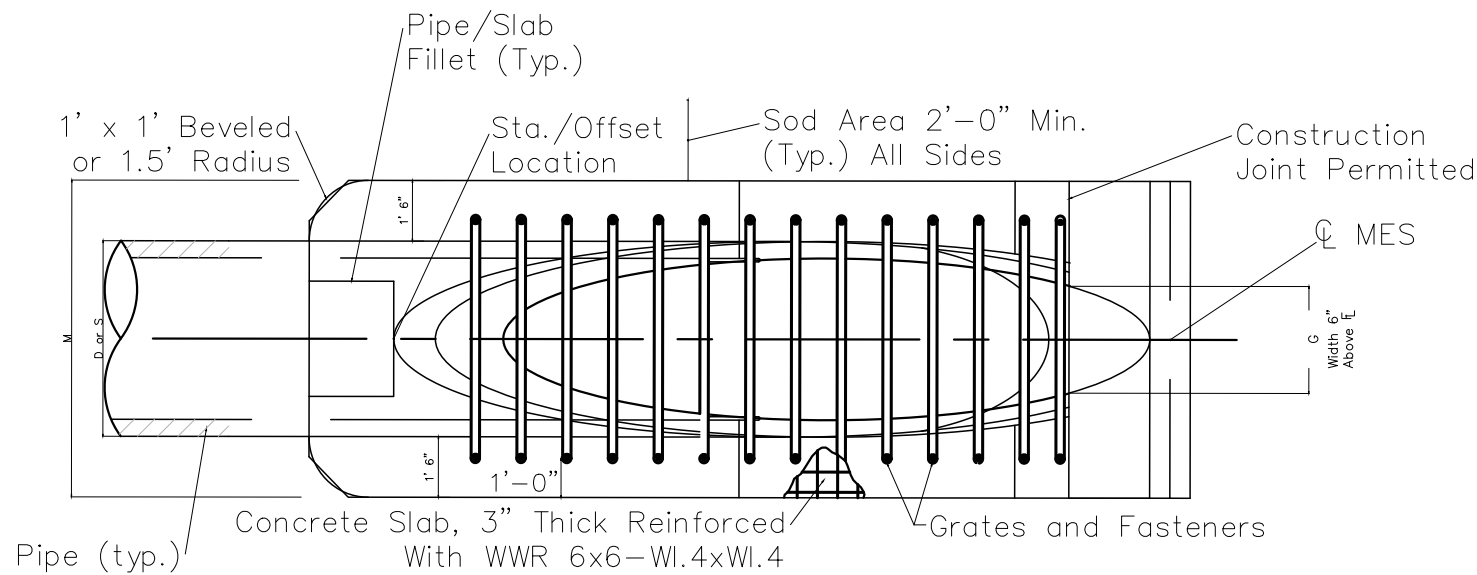
PLAN



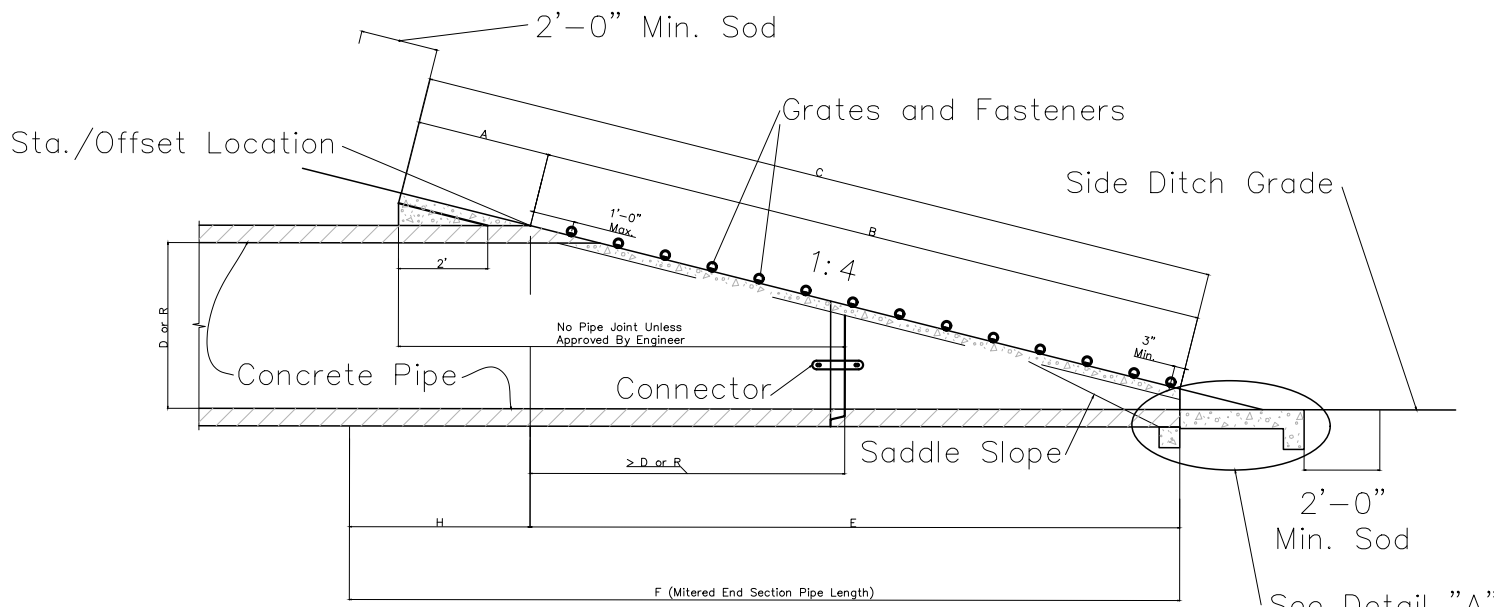
SECTION

NOTES:
1. CONCRETE DESIGN STRENGTH 4,000 PSI
2. PIPES SHALL BE FLUSH WITH INSIDE WALL
3. SLOT OPENING SHALL NOT BE IN WALLS WITH RATE SEAT

TYPE E INLET DETAIL



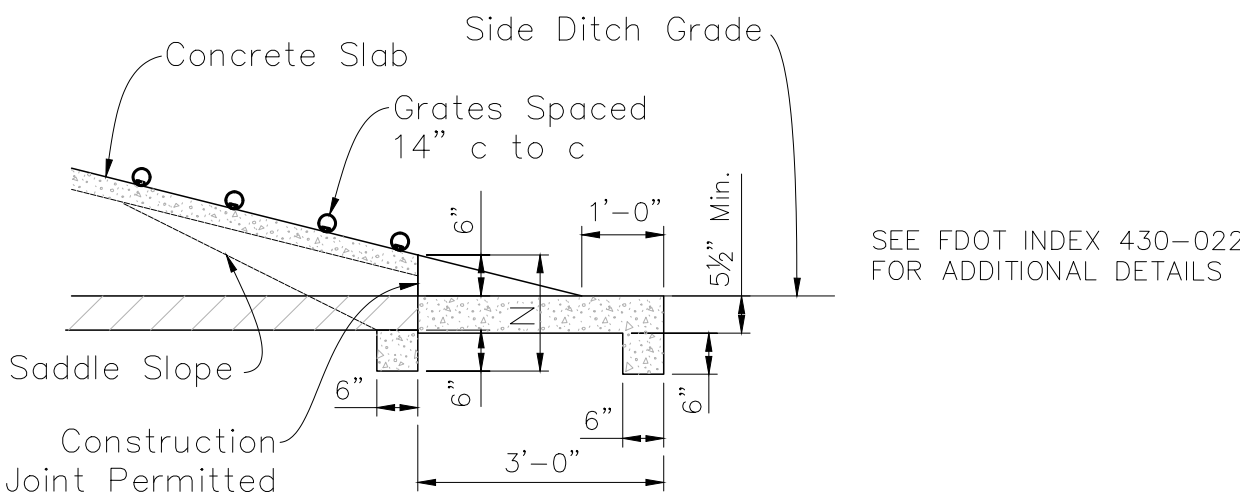
PLAN - SINGLE PIPE



ELEVATION

DIMENSIONS FOR SINGLE 24" CONCRETE PIPE												
DIA. D	X	A	B	C	E	F	G	H	M	N	3" CONC. SLAB (CY)	SODDING (SY)
24"	3'-5"	2.53'	7.18'*	9.71'	7.03'*	11'	1.73'	4.0'	5.50'	1.25'	1.02	10'

*6.42' *6.25' DIMENSIONS PERMITTED TO ALLOW USE OF 8' STANDARD PIPE LENGTHS.



DETAIL "A"

MES DETAIL

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

REV	DATE	ITEM
A	12/21/22	PRELIMINARY BINDING SITE PLAN 1ST SUBMITTAL
B	05/09/23	PRELIMINARY BINDING SITE PLAN 2ND SUBMITTAL
C	07/26/23	SEP 1ST SUBMITTAL
D	07/25/24	SEP 2ND SUBMITTAL & DISTRICT 2ND SUBMITTAL

GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL PE NO. 56177
31 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

YULEE RV STORAGE
GENE LASSERRE BLVD
YULEE, FLORIDA 32034

ISSUE DATE: 01/25/24
MISCELLANEOUS
DETAILS

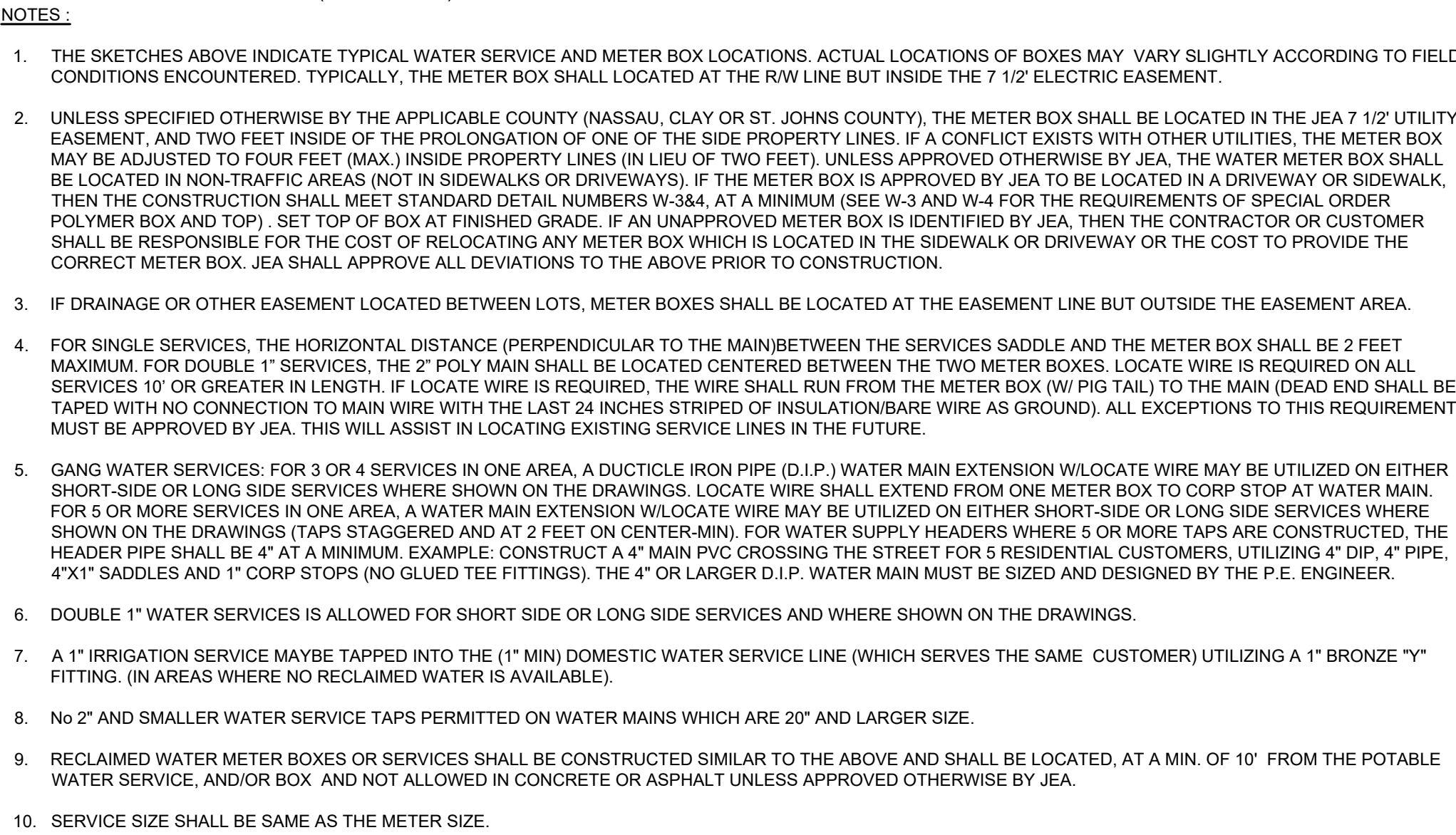


PLATE W-1

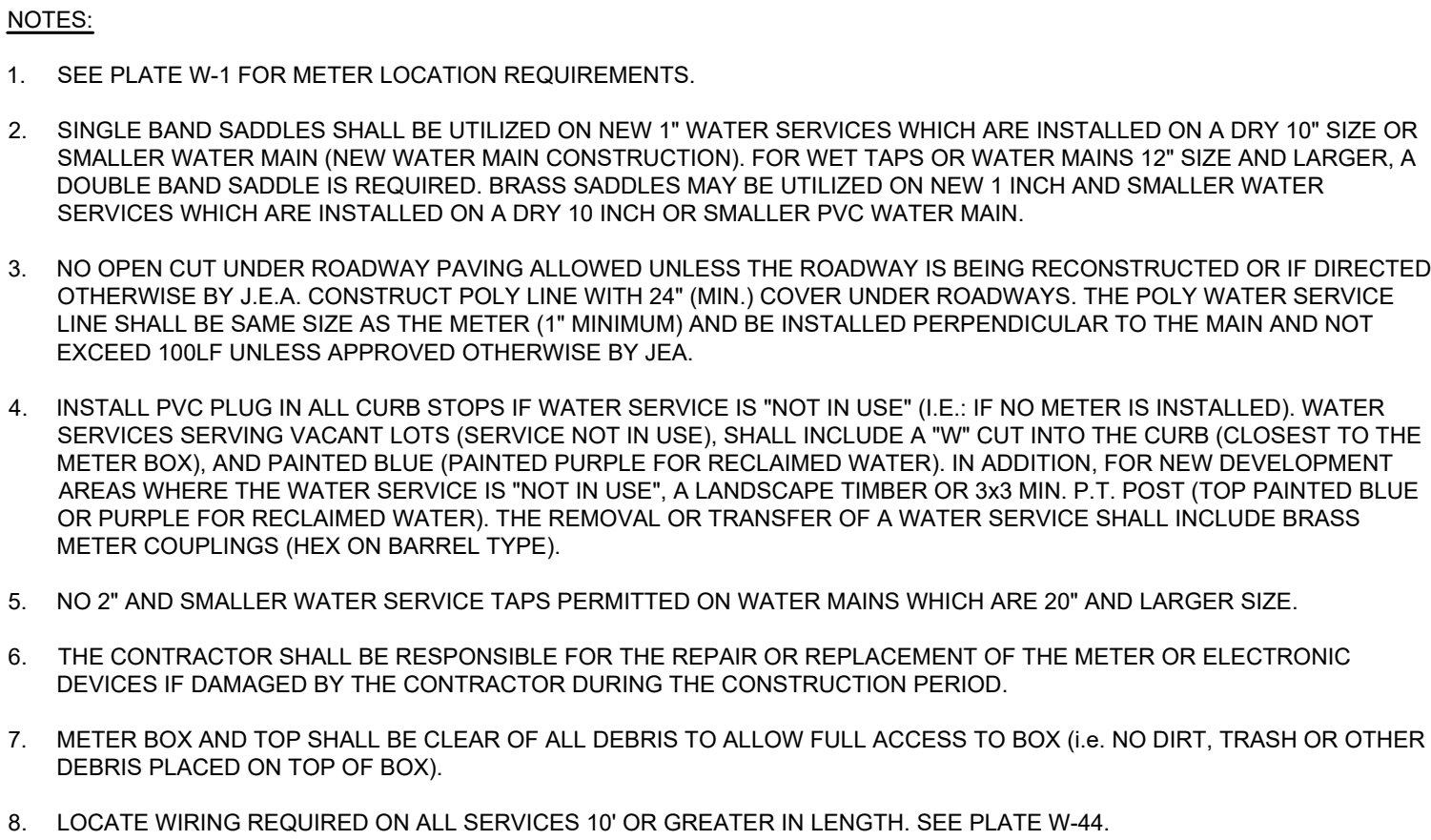


PLATE W-2

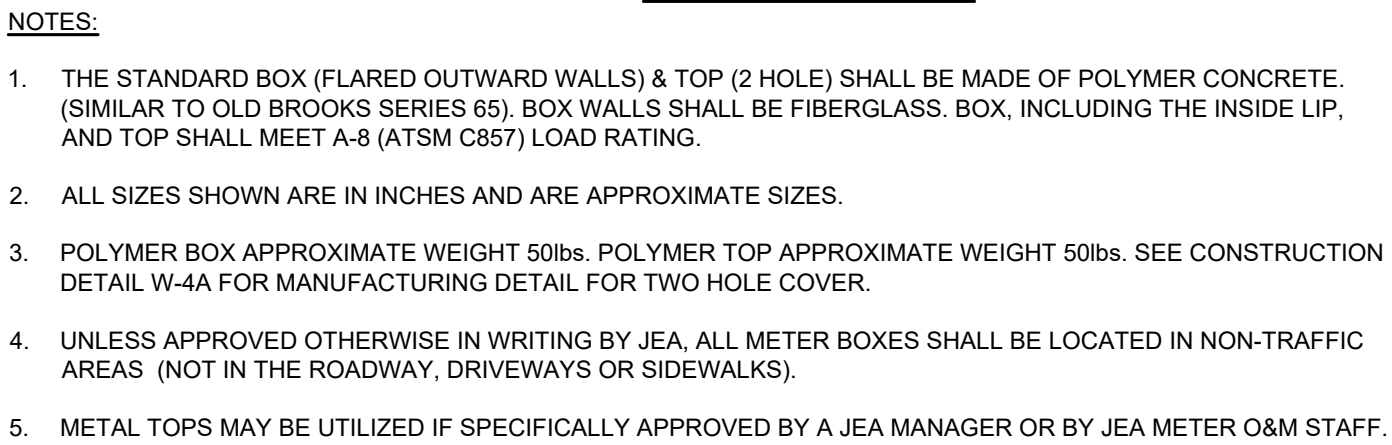
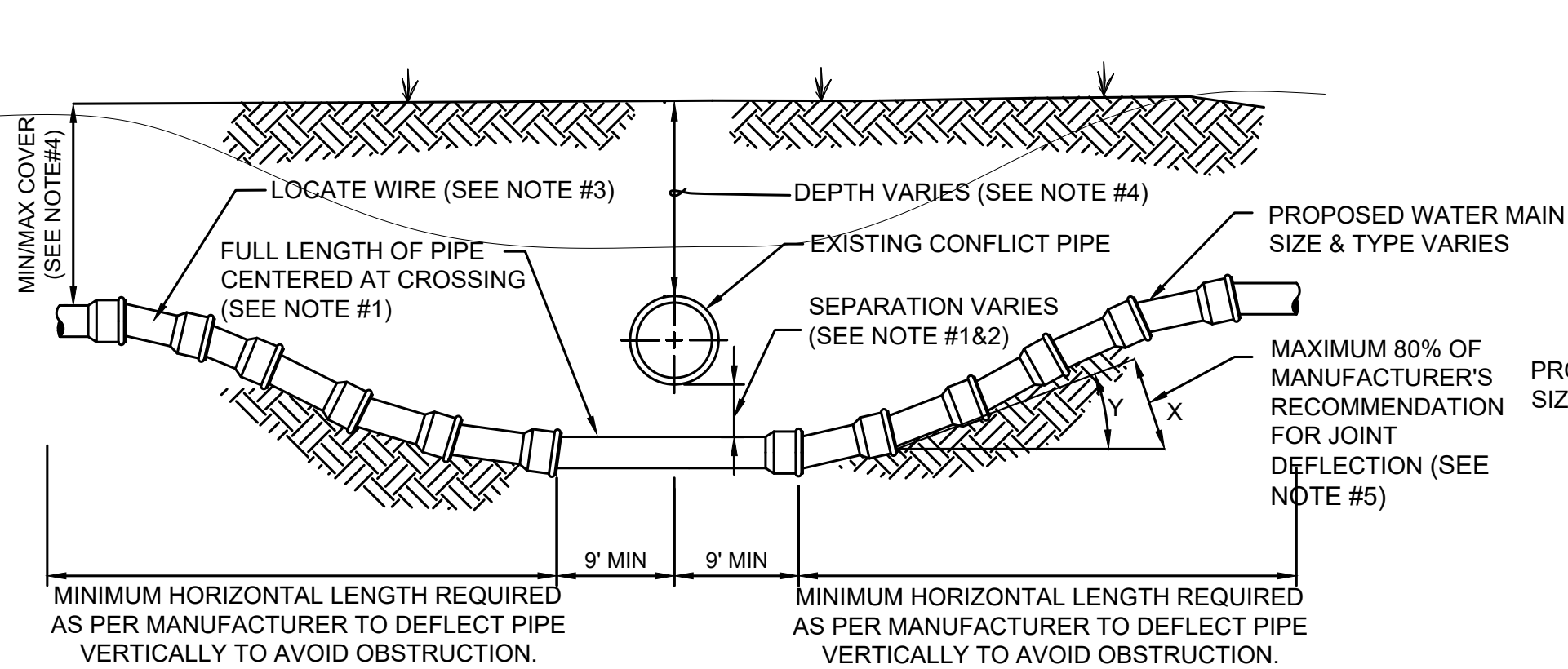


PLATE W-4

YULEE RV STORAGE GENE LASSERRE BLVD YULEE, FLORIDA 32034		GILLETTE & ASSOCIATES, INC. CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING CERTIFICATE OF AUTHORIZATION NO. 9332 ASA R. GILLETTE, P.E. * FL. PE NO. 56177 31 S. 4th STREET * FERNANDINA BEACH, FL 32034 PHONE: 904-261-8819 * www.gilletteassociates.com		REGISTERED DESIGN PROFESSIONAL ASA R. GILLETTE, P.E. FLORIDA P.E. NO. 56177	
REV	DATE	ITEM			
A	12/21/22	PRELIMINARY BINDING SITE PLAN 1ST SUBMITTAL			
B	05/09/23	PRELIMINARY BINDING SITE PLAN 2ND SUBMITTAL			
C	07/26/23	SEP 1ST SUBMITTAL			
D	10/12/24	SEP 2ND SUBMITTAL & DISTRICT 2ND SUBMITTAL			



CASE "B" CROSSING

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PVC PIPE			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
2	30	7°	158 FT
4	10	2.4°	480 FT
6	10	2.4°	480 FT
8	10	2.4°	480 FT
10	10	2.4°	480 FT
12	8.5	2°	564 FT
14 - 24	5	1.2°	960 FT
30 - 48	3.25	0.8°	1477 FT

DUCTILE IRON PIPE (Mechanical Joint)			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
-	-	-	-
4	27	6.5°	177 FT
6	24	5.7°	200 FT
8 - 12	17.5	4.2°	273 FT
14 - 16	12	2.9°	400 FT
18 - 20	10	2.4°	477 FT
24 - 30	8	1.9°	600 FT
36	7	1.7°	687 FT
42 - 48	6.7	1.6°	716 FT

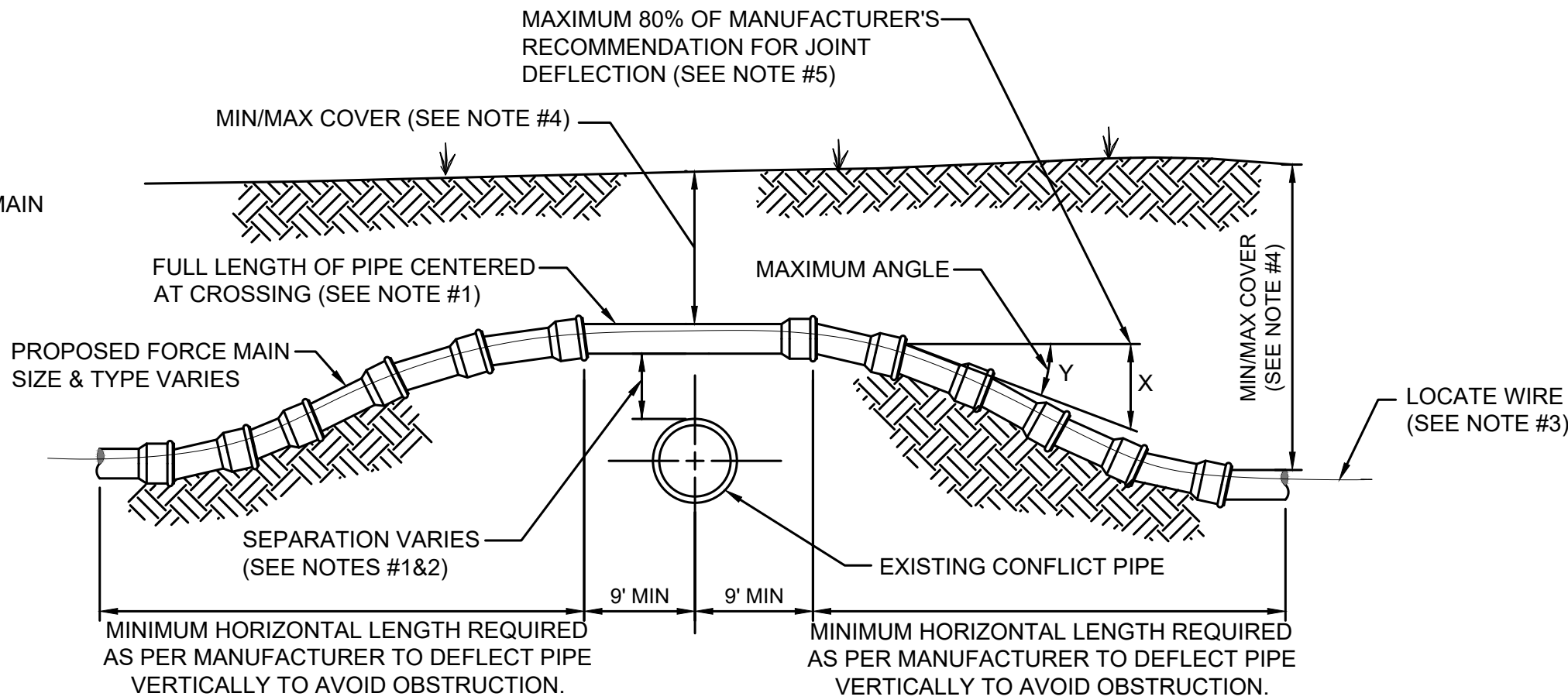
NOTES:

- IF EXISTING CONFLICT PIPE IS A WATER MAIN, 12-INCHES OF SEPARATION IS REQUIRED. A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSING.
- FOR OTHER LOCATION LIMITATIONS SEE DETAIL (W-10 & W-11).
- LOCATING WIRE REQUIRED: SEE DETAIL W-44.
- THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE A MINIMUM OF 30" IN UNPAVED AREAS AND 36" IN PAVED AREAS WITH A MAXIMUM COVER OF 60" UNLESS APPROVED OTHERWISE BY JEA. COVER FOR PIPING 24" SIZE AND LARGER SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84" UNLESS APPROVED OTHERWISE BY JEA. THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.
- JE A ONLY ALLOWS 80% OF THE PIPE MANUFACTURER'S RECOMMENDATION FOR JOINT DEFLECTION. BENDING THE PIPE BARREL IS NOT ALLOWED. UNLESS OTHERWISE APPROVED BY JEA, THE MAXIMUM ARE LISTED IN TABLE BELOW. ONLY MANUAL FORCE CAN BE UTILIZED TO OBTAIN THESE JOINT DEFLECTION. ALL OFFSETS ARE BASED ON MINIMUM 20LF PIPE LENGTH.

ADJUSTMENT UNDER EXISTING UTILITIES PIPE
JOINT DEFLECTION

JANUARY 2021

PLATE W-40



CASE "A" CROSSING

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PVC PIPE			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
2	30	7°	158 FT
4	10	2.4°	480 FT
6	10	2.4°	480 FT
8	10	2.4°	480 FT
10	10	2.4°	480 FT
12	8.5	2°	564 FT
14 - 24	5	1.2°	960 FT
30 - 48	3.25	0.8°	1477 FT

DUCTILE IRON PIPE (Mechanical Joint)			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
-	-	-	-
4	27	6.5°	177 FT
6	24	5.7°	200 FT
8 - 12	17.5	4.2°	273 FT
14 - 16	12	2.9°	400 FT
18 - 20	10	2.4°	477 FT
24 - 30	8	1.9°	600 FT
36	7	1.7°	687 FT
42 - 48	6.7	1.6°	716 FT

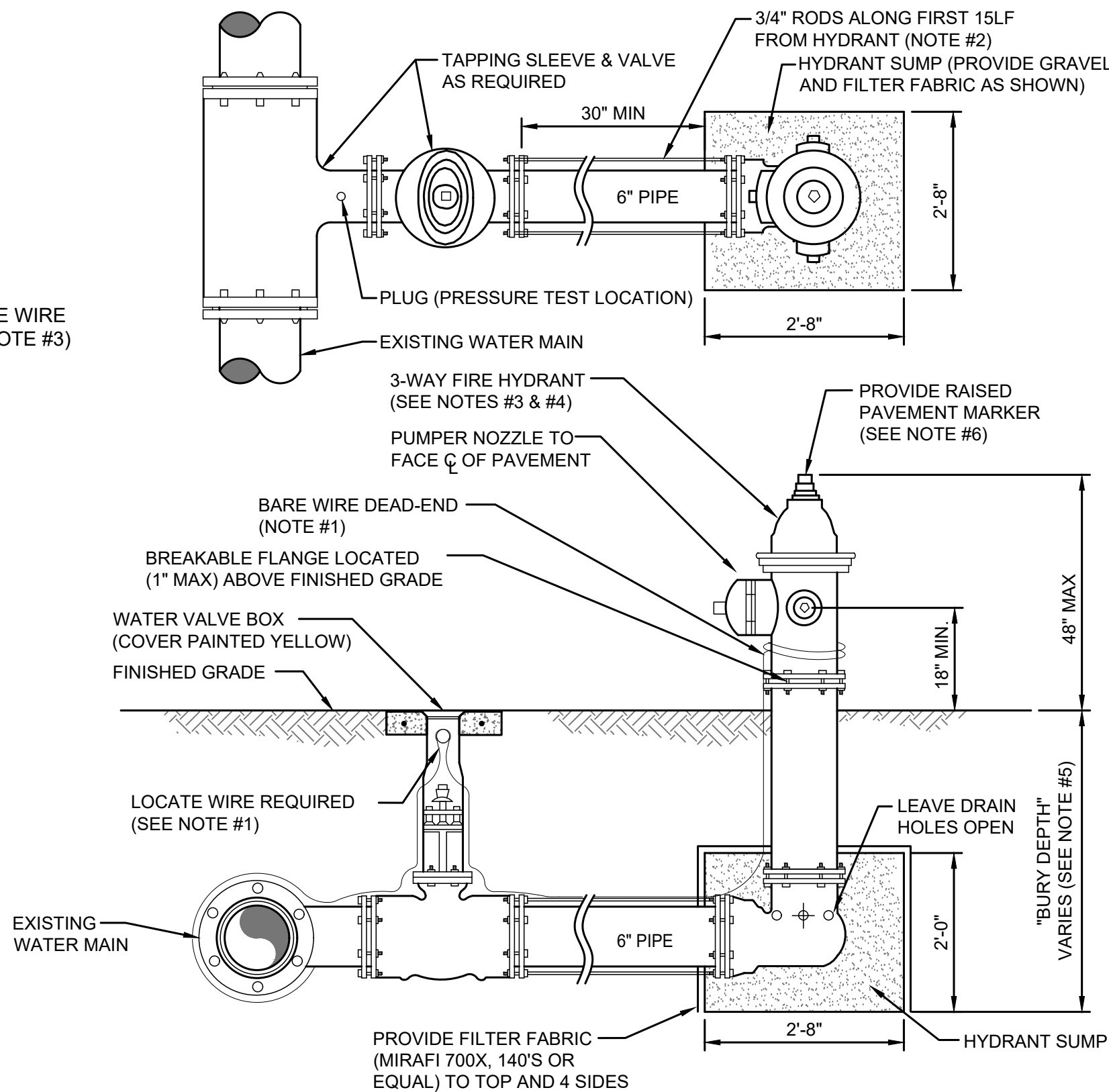
NOTES:

- IF EXISTING CONFLICT PIPE IS A WATER MAIN, 12-INCHES OF SEPARATION IS REQUIRED. A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSING.
- FOR OTHER LOCATION LIMITATIONS SEE DETAIL (W-10 & W-11).
- LOCATING WIRE REQUIRED: SEE DETAIL W-44.
- THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE A MINIMUM OF 30" IN UNPAVED AREAS AND 36" IN PAVED AREAS WITH A MAXIMUM COVER OF 60" UNLESS APPROVED OTHERWISE BY JEA. COVER FOR PIPING 24" SIZE AND LARGER SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84" UNLESS APPROVED OTHERWISE BY JEA. THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.
- JE A ONLY ALLOWS 80% OF THE PIPE MANUFACTURER'S RECOMMENDATION FOR JOINT DEFLECTION. BENDING THE PIPE BARREL IS NOT ALLOWED. UNLESS OTHERWISE APPROVED BY JEA, THE MAXIMUM ARE LISTED IN TABLE BELOW. ONLY MANUAL FORCE CAN BE UTILIZED TO OBTAIN THESE JOINT DEFLECTION. ALL OFFSETS ARE BASED ON MINIMUM 20LF PIPE LENGTH.

ADJUSTMENT OVER EXISTING UTILITIES PIPE
JOINT DEFLECTION

JANUARY 2021

PLATE W-41



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 MAIN. SEE SECTION 350, LOCATE WIRE INSTALLATION PARAGRAPH.
- FIRE HYDRANTS SHALL BE INSTALLED BETWEEN BACK OF CURB AND FACE OF SIDEWALK. ALL HYDRANTS SHALL BE LOCATED NO LESS THAN THREE (3) FEET FROM THE EDGE OF PAVEMENT OR BACK OF CURB OF THE ADJACENT ROADWAY AND NO LESS THAN THREE (3) FEET FROM ANY PHYSICAL FEATURE WHICH MAY OBSTRUCT ACCESS OR VIEW OF ANY HYDRANT UNLESS OTHERWISE APPROVED BY THE JEA. THE MAXIMUM DISTANCE (BACK OF CURB) SHALL BE IN COMPLIANCE WITH LOCAL COUNTY FIRE DEPARTMENT RULES AND AS APPROVED BY JEA. FOR OTHER LOCATION LIMITATIONS SEE PLATES W-10 AND W-11. IF PIPING BETWEEN TEE AND HYDRANT IS LONGER THAN 80 LF, AN ADDITIONAL 6" GATE VALVE IS REQUIRED AT THE HYDRANT LOCATION (PROVIDE 30" SEPARATION). ALL PIPING, VALVES AND FITTINGS ALONG THE HYDRANT BRANCH MAIN WHICH IS WITHIN 15 LF 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 SERRATED RING WITH RESTRAINT EARS (EBAA 15 PF06 OR EQUAL) MAYBE USED IN THIS ASSEMBLY. ALL OTHER JOINTS ALONG THE HYDRANT BRANCH MAIN OUTSIDE OF THE FIRST 15 LF 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 RE-OILED, GREASED AND REPAINTED (RUS- KIL ENAMEL-INTERNATIONAL YELLOW OR EQUAL). PRIVATELY OWNED AND MAINTAINED FIRE HYDRANTS SHALL BE PAINTED 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. UNLESS APPROVED OTHERWISE BY JEA, THE INSTALLATION OF (45°) BENDS IS NOT ACCEPTABLE WHEN UTILIZED TO CORRECT AN IMPROPERLY FURNISHED HYDRANT. THE USE OF HYDRANT EXTENSIONS SHOULD 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
TAPPING SLEEVE & VALVE

JANUARY 2021

PLATE W-12

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL

ITEM DATE REV

GILLETTE & ASSOCIATES, INC.

YULEE RV STORAGE

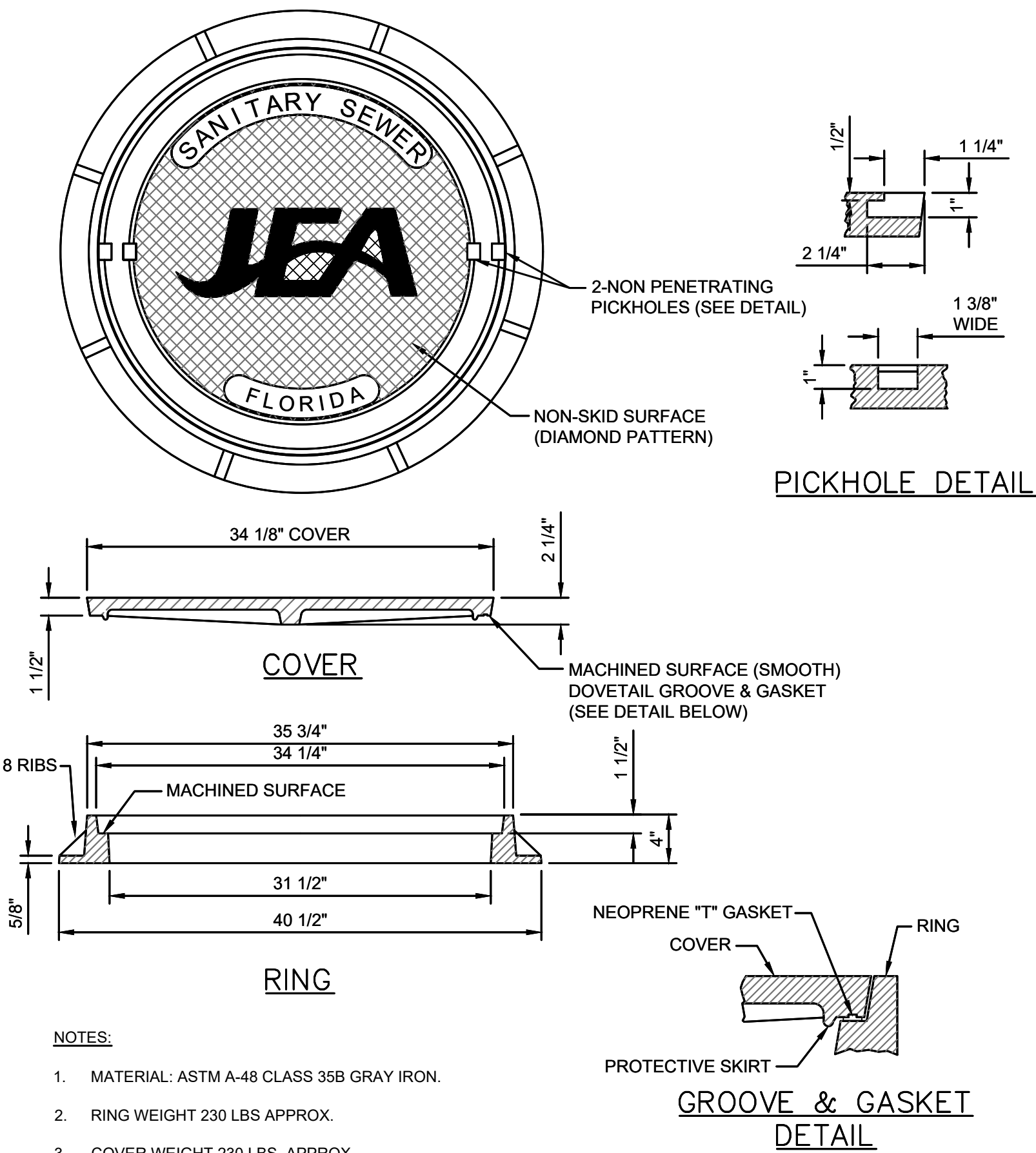
ISSUE DATE: 01/25/24

WATER DETAILS

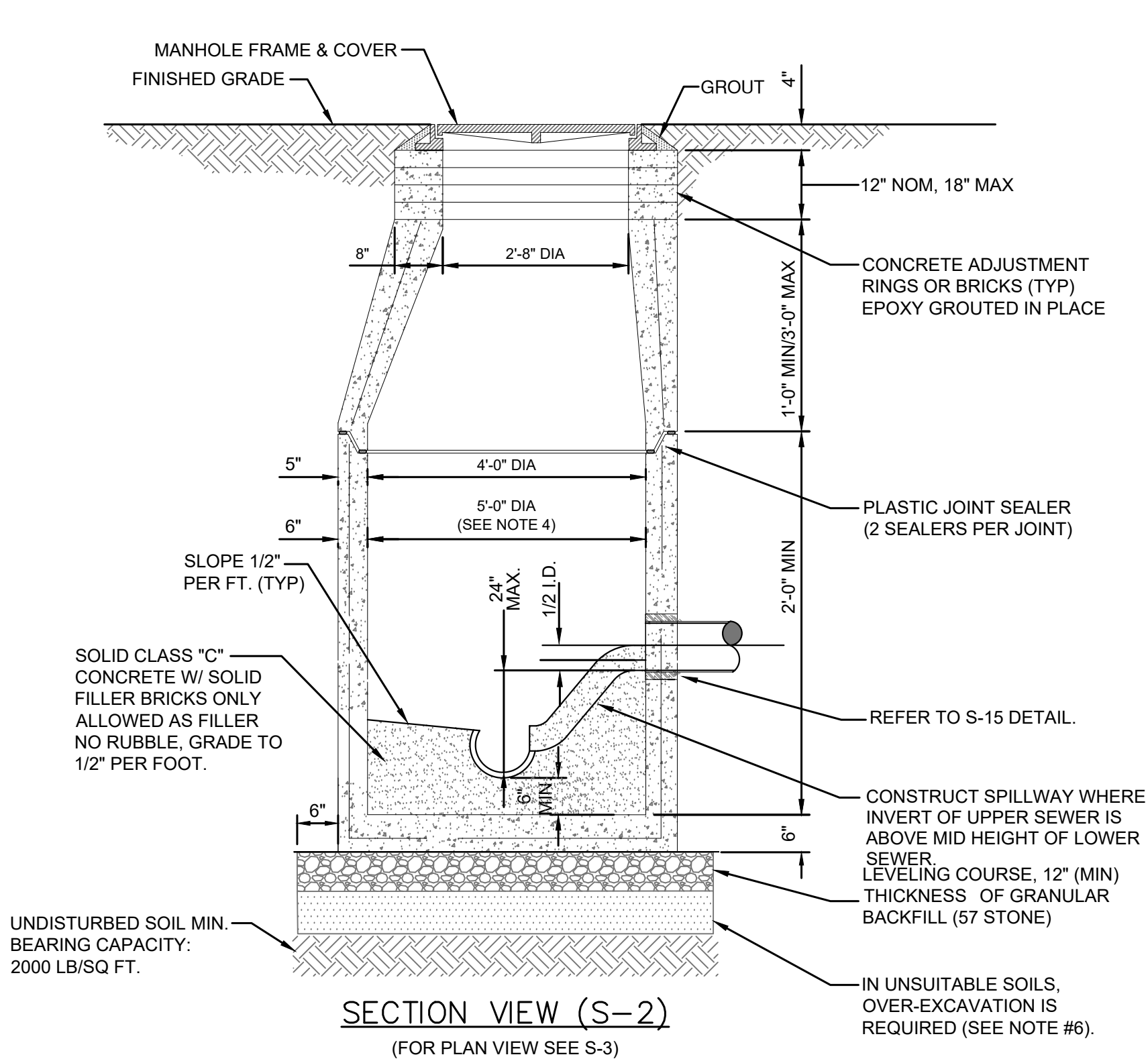
North / Elev Key/Sheet WDT-2

Page 16 of 18

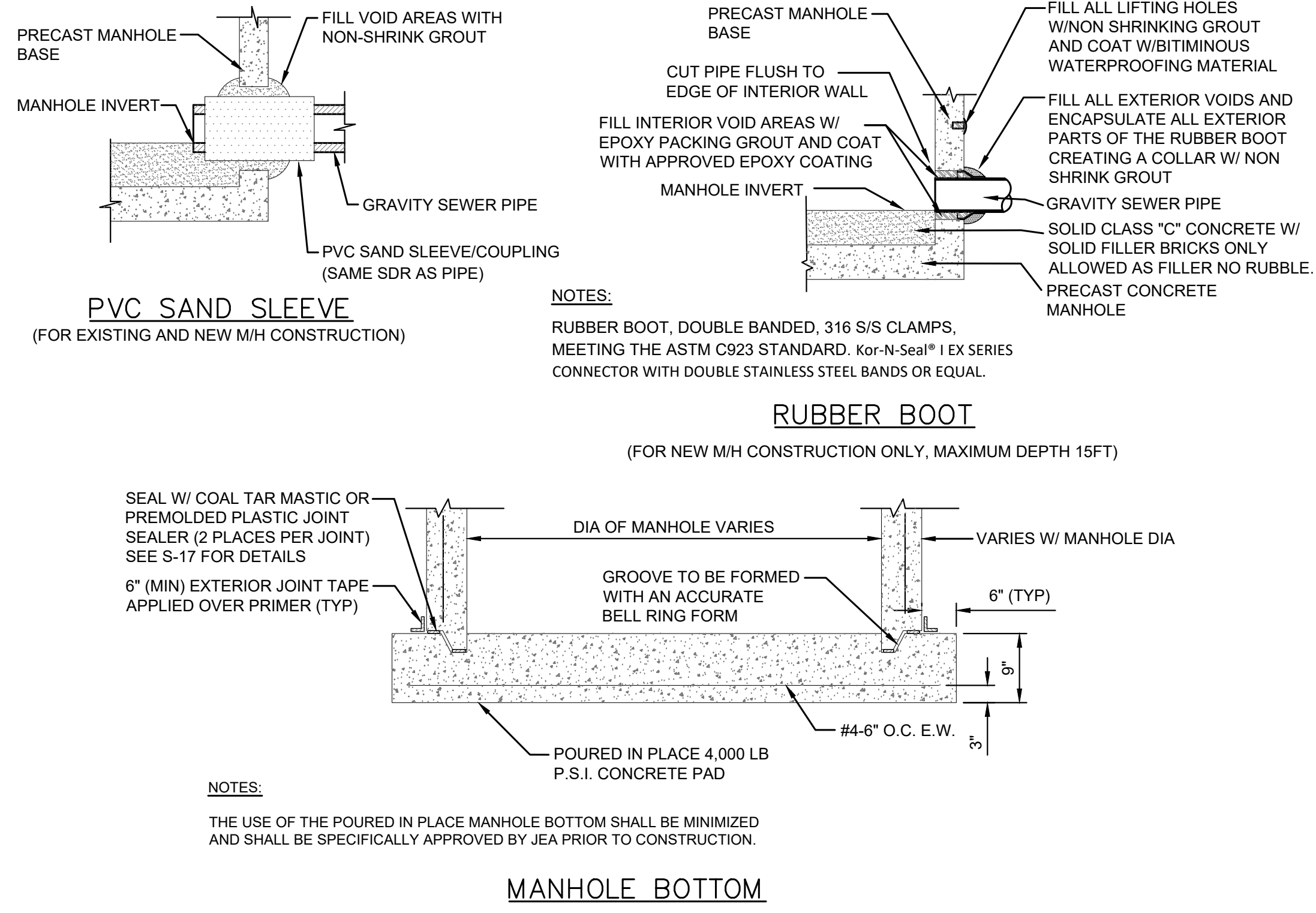
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177



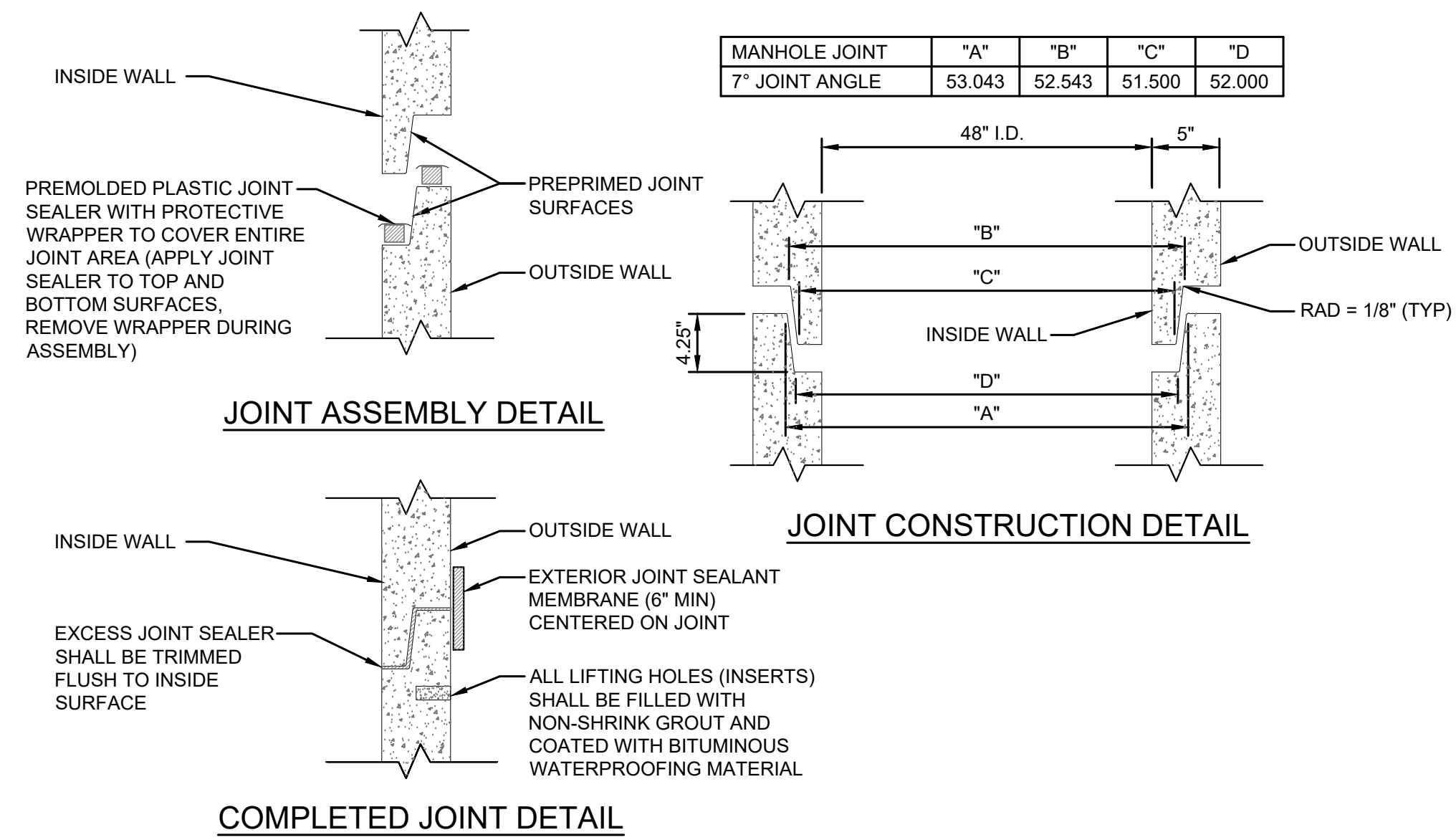
SANITARY SEWER MANHOLE FRAME AND COVER
JANUARY 2021 PLATE S-1



SANITARY SEWER CONCRETE TYPE "A" MANHOLE
8"-21" SEWERS
JANUARY 2021 PLATES S-2, S-3



CONCRETE MANHOLE PIPE CONNECTION DETAIL
JANUARY 2021 PLATE S-15



PRECAST CONCRETE SEWER MANHOLE JOINT DETAIL
JANUARY 2021 PLATE S-17

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REV	DATE	ITEM
A	12/21/22	PRELIMINARY BINDING SITE PLAN 1ST SUBMITTAL
B	05/09/23	PRELIMINARY BINDING SITE PLAN 2ND SUBMITTAL
C	07/26/23	SEP 1ST SUBMITTAL
D	01/25/24	SEP 2ND SUBMITTAL & DISTRICT 2ND SUBMITTAL

GILLETTE & ASSOCIATES, INC.
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YULEE RV STORAGE
GENE LASSERRE BLVD
YULEE, FLORIDA 32034

ISSUE DATE: 01/25/24
SEWER DETAILS
SDT-1
Page 17 of 18

REGISTERED DESIGN PROFESSIONAL
ASA R. GILLETTE, P.E.
FLORIDA P.E. NO. 56177

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

PROPOSED UTILITY												
CONFLICTING UTILITY	POTABLE WATER			WASTEWATER GRAVITY AND FORCE MAIN			RECLAIMED WATER			VACUUM SEWERS		
	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 10'	12" NOTE 5	6' NOTE 2	3'	12"	6' NOTE 2	3' to 10'	12"	3' NOTE 2
RECLAIMED WATER	3'	12"	6' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3'	12"	6' NOTE 2	3' NOTE 1	12"	3' NOTE 2
WASTEWATER (GRAVITY AND FORCE MAIN)	6' to 10'	12"	6' NOTE 2	3' NOTE 1	12"	6"	3' NOTE 1	12"	3' NOTE 2	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, POLES, 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

NOTES:

- THIS 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.
- THE MINIMUM JOINT SPACING REQUIRED FROM CROSSING FROM OTHER UTILITIES WHILE STILL MAINTAINING MINIMUM VERTICAL SEPARATION.
- DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURES.
- 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.
- REFER TO SECTION 429, III.4.3.
- REFER TO SECTION 429, III.4.2 FOR MINIMUM SEPARATION REQUIREMENTS FROM PIPE TO STRUCTURES.

SEPARATION REQUIREMENTS

JANUARY 2021

PLATE S-26

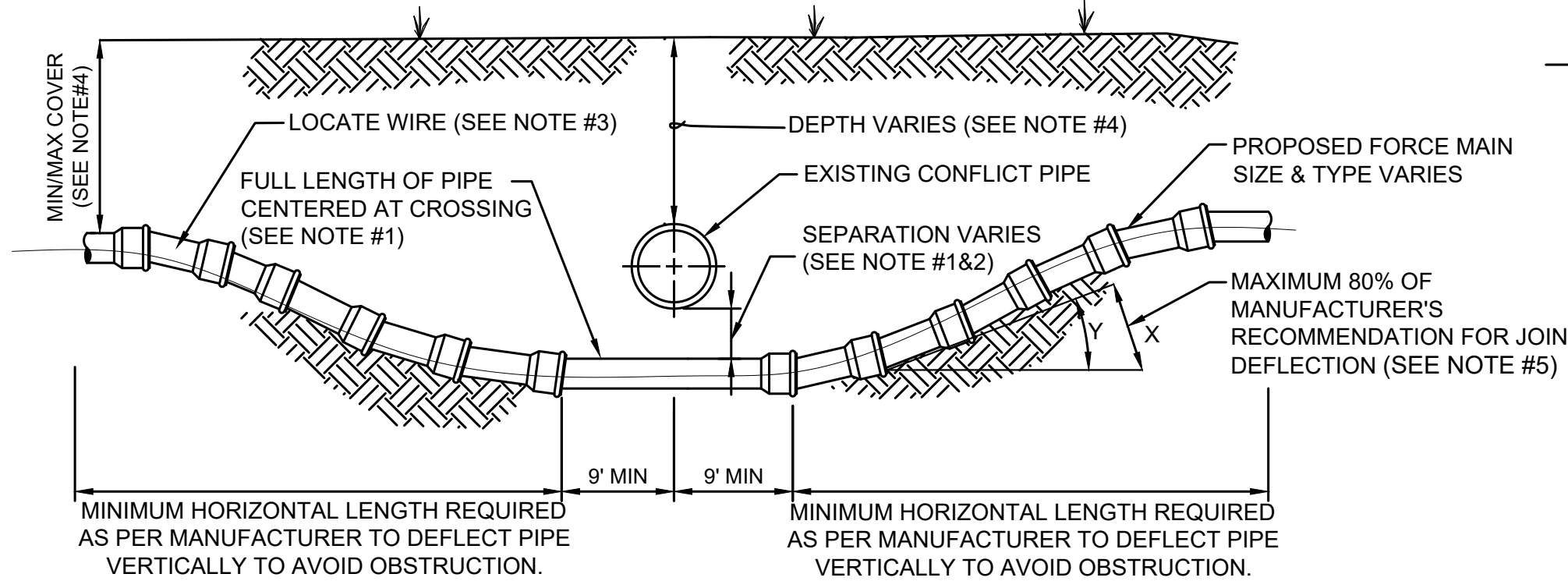
WATER MAIN AND NON-WATER MAIN SEPARATION REQUIREMENTS - NOTES

- IT IS REQUIRED THAT "WATER MAINS" BE INSTALLED, CLEANED, DISINFECTED AND HAVE A SATISFACTORY BACTERIOLOGICAL SURVEY PERFORMED IN ACCORDANCE WITH THE LATEST APPLICABLE AWWA STANDARDS, CHAPTER 62-655, F.A.C. AND LATEST JEA WATER AND SEWER STANDARDS. FOR THE PURPOSE OF THIS SECTION, THE PHRASE "WATER MAINS" SHALL MEAN MAINS, INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING EITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER; FIRE HYDRANT LEADS; AND SERVICE LINES THAT HAVE AN INSIDE DIAMETER OF THREE (3) INCHES OR GREATER. IN ADDITION, THE PHRASE "RECLAIMED WATER" REFERS TO THE WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER.
- NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS MAY BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER (SPECIAL CASE).
- NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX (6) INCHES, AND PREFERABLE TWELVE (12) INCHES, ABOVE OR AT LEAST TWELVE (12) INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS A LEAST TWELVE (12) INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- AT THE UTILITY CROSSINGS DESCRIBED IN NOTES 4 AND 5 ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE (3) FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER, AND AT LEAST SIX (6) FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINE CONVEYING RECLAIMED WATER.
- NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SO THAT THE HYDRANTS ARE AT LEAST THREE (3) FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER; AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER; AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER OR WASTEWATER FORCE MAIN.
- WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE, THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER TO OBTAIN APPROVAL OF ANY ALTERNATIVE CONSTRUCTION METHODS, PRIOR TO CONSTRUCTION.

NOTES ON UTILITY SEPARATION REQUIREMENTS

JANUARY 2021

PLATE S-27



CASE "B" CROSSING

NOTES:

- IF EXISTING CONFLICT PIPE IS A WATER MAIN OR RECLAIM WATER MAIN, 12-INCHES OF SEPARATION IS REQUIRED. A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSING.
- FOR OTHER LOCATION LIMITATIONS SEE DETAIL (S-26 & S-27).
- LOCATING WIRE REQUIRED: SEE DETAIL S-49.
- THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE A MINIMUM OF 30" IN UNPAVED AREAS AND 36" IN PAVED AREAS WITH A MAXIMUM COVER OF 60" UNLESS APPROVED OTHERWISE BY JEA. COVER FOR PIPING 24" SIZE AND LARGER SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84" UNLESS APPROVED OTHERWISE BY JEA. THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.
- JEA ONLY ALLOWS 80% OF THE PIPE MANUFACTURER'S RECOMMENDATION FOR JOINT DEFLECTION. BENDING THE PIPE BARREL IS NOT ALLOWED, UNLESS OTHERWISE APPROVED BY JEA. THE MAXIMUM ARE LISTED IN TABLE BELOW. ONLY MANUAL FORCE CAN BE UTILIZED TO OBTAIN THESE JOINT DEFLECTION. ALL OFFSETS ARE BASED ON MINIMUM 20LF PIPE LENGTH.

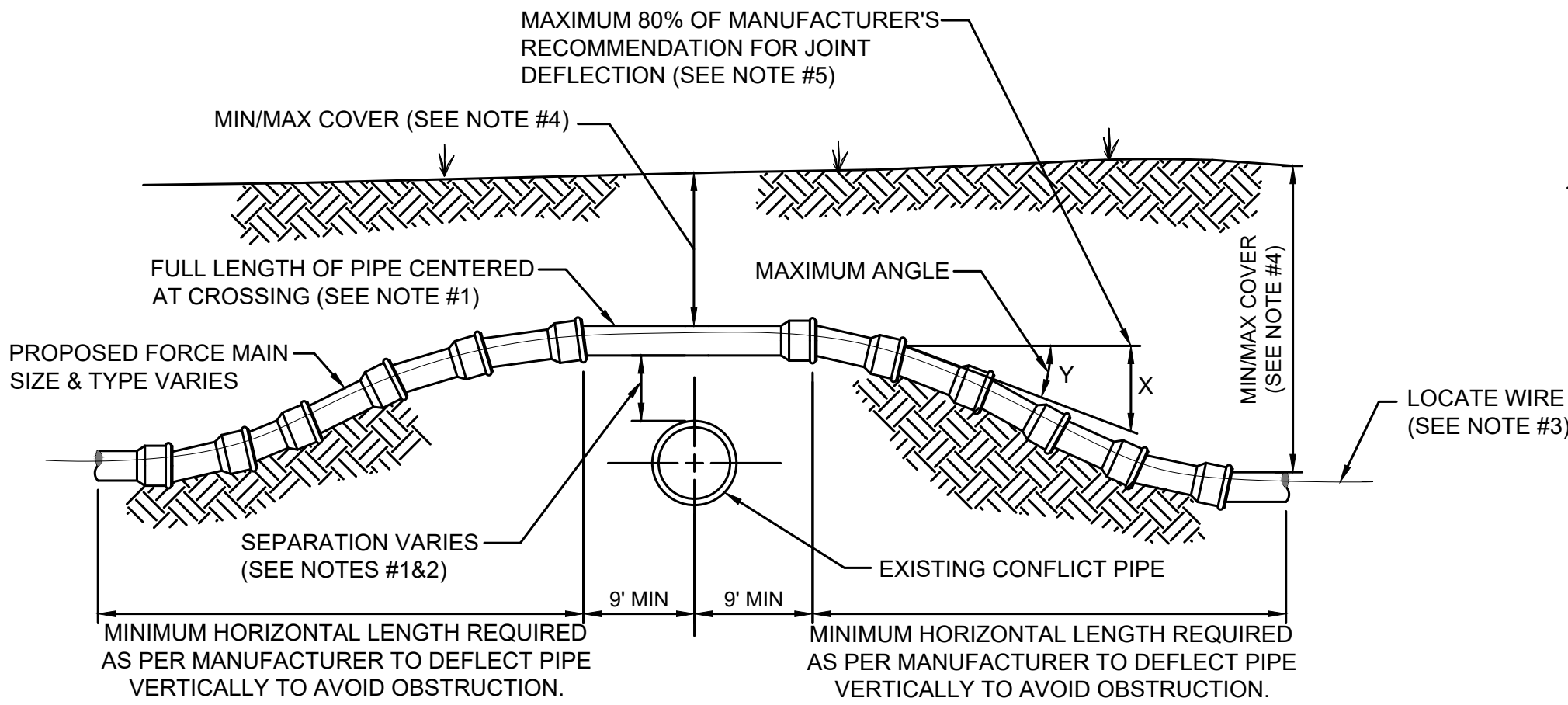
MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PVC PIPE			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
2	30	7°	158 FT
4	10	2.4°	480 FT
6	10	2.4°	480 FT
8	10	2.4°	480 FT
10	10	2.4°	480 FT
12	8.5	2°	564 FT
14 - 24	5	1.2°	960 FT
30 - 48	3.25	0.8°	1477 FT

ADJUSTMENT UNDER EXISTING UTILITIES
PIPE JOINT DEFLECTION

JANUARY 2021

PLATE S - 47



CASE "A" CROSSING

NOTES:

- IF EXISTING CONFLICT PIPE IS A WATER MAIN OR RECLAIM WATER MAIN, 12-INCHES OF SEPARATION IS REQUIRED. A FULL LENGTH OF PIPE SHALL BE CENTERED OVER EXISTING UTILITY MAIN TO PROVIDE MAXIMUM JOINT SPACING FOR ALL CROSSING.
- FOR OTHER LOCATION LIMITATIONS SEE DETAIL (S-26 & S-27).
- LOCATING WIRE REQUIRED: SEE DETAIL S-49.
- THE COVER OVER ALL PIPING LESS THAN 24" SIZE SHALL BE A MINIMUM OF 30" IN UNPAVED AREAS AND 36" IN PAVED AREAS WITH A MAXIMUM COVER OF 60" UNLESS APPROVED OTHERWISE BY JEA. COVER FOR PIPING 24" SIZE AND LARGER SHALL BE MINIMUM OF 36" (PAVED AND UNPAVED) AND MAXIMUM OF 84" UNLESS APPROVED OTHERWISE BY JEA. THE SOILS BETWEEN THE NEW MAIN AND THE CONFLICT PIPE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST ASTM D 1557.
- JEA ONLY ALLOWS 80% OF THE PIPE MANUFACTURER'S RECOMMENDATION FOR JOINT DEFLECTION. BENDING THE PIPE BARREL IS NOT ALLOWED, UNLESS OTHERWISE APPROVED BY JEA. THE MAXIMUM ARE LISTED IN TABLE BELOW. ONLY MANUAL FORCE CAN BE UTILIZED TO OBTAIN THESE JOINT DEFLECTION. ALL OFFSETS ARE BASED ON MINIMUM 20LF PIPE LENGTH.

MAXIMUM ALLOWED OFFSET FOR PIPE BY JOINT DEFLECTION

PVC PIPE			
PIPE SIZE (IN.)	(X) MAX. OFFSET (IN.)	(Y) ANGLE AT ONE BELL	RESULTING RADIUS OF CURVE WITH 20FT. LENGTHS
2	30	7°	158 FT
4	10	2.4°	480 FT
6	10	2.4°	480 FT
8	10	2.4°	480 FT
10	10	2.4°	480 FT
12	8.5	2°	564 FT
14 - 24	5	1.2°	960 FT
30 - 48	3.25	0.8°	1477 FT

ADJUSTMENT OVER EXISTING UTILITIES
PIPE JOINT DEFLECTION

JANUARY 2021

PLATE S-48

NOTE: SOME DETAILS IN THESE DRAWINGS ARE TO BE CONSIDERED TYPICAL AND MAY NOT BE CALLED OUT ON PLANS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND FOLLOW ALL DETAILS DURING CONSTRUCTION IN ALL TYPICAL AREAS.

REGISTERED DESIGN PROFESSIONAL

REV	DATE	ITEM
A	12/21/22	PRELIMINARY BINDING SITE PLAN 1ST SUBMITTAL
B	05/09/23	PRELIMINARY BINDING SITE PLAN 2ND SUBMITTAL
C	07/26/23	SEP 1ST SUBMITTAL
D	07/25/24	SEP 2ND SUBMITTAL & DISTRICT 2ND SUBMITTAL

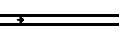
GILLETTE & ASSOCIATES, INC.
CIVIL, ENVIRONMENTAL, MECHANICAL, & STRUCTURAL ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. 9332
ASA R. GILLETTE, P.E. * FL PE NO. 56177
31 S. 4th STREET * FERNANDINA BEACH, FL 32034
PHONE: 904-261-8819 * www.gilletteassociates.com

YULEE RV STORAGE
GENE LASSERRE BLVD
YULEE, FLORIDA 32034

ISSUE DATE: 01/25/24

SEWER DETAILS

N:\Drawings\PROJEC TS 2023\2367 -- LIGHTING CALCULATIONS\2367--EL.1.dwg, 1/25/2024 2:14:41 PM, _DWG To PDF.pc3

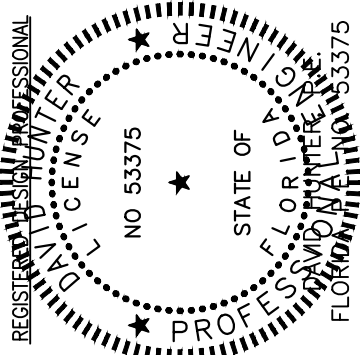
Luminaire Schedule						
Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts
	15	S4	PEMCO LTG: ENT32-100W4K-TYPE IV (20FT ABOVE GRADE POLE)	0.912	11881	110.16
	64	V	COOPER LTG: 8APVTLD-SL3C3 (FIELD SELECTABLE-HI POWER 4000K)	0.912	11249	92

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
YULEE RV STORAGE ENTRY_Planar	Fc	2.07	3.7	0.5	4.14	7.40
YULEE RV STORAGE SITE_Planar	Fc	3.09	18.3	0.4	7.73	45.75

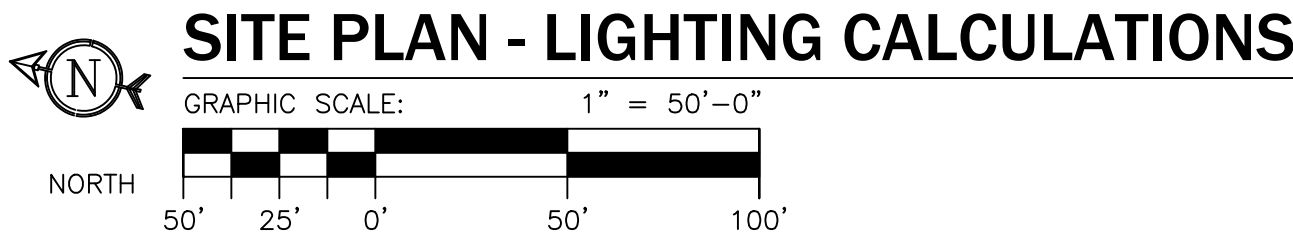
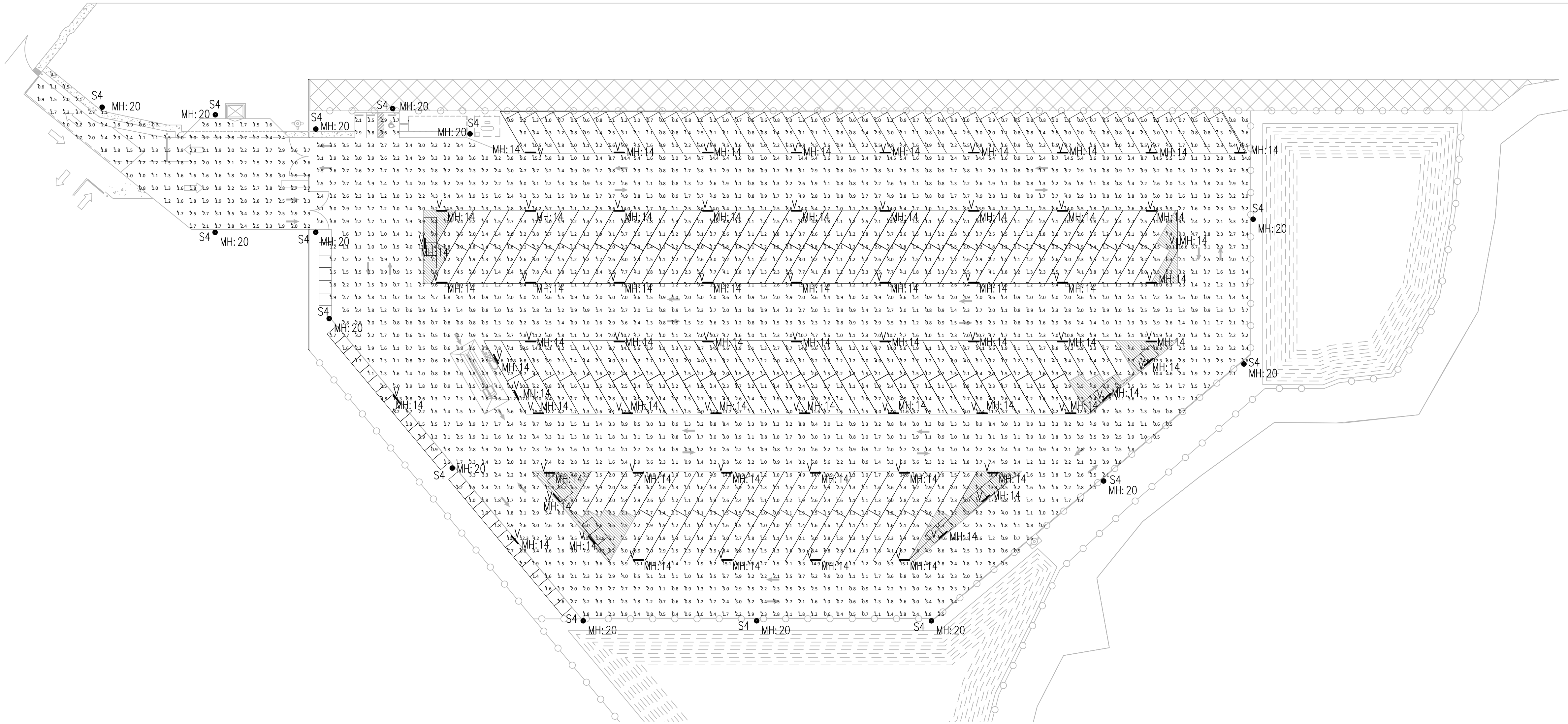
ACKNOWLEDGEMENT/DISCLAIMER

DESIGN AND CALCULATIONS HAVE BEEN PERFORMED ACCORDING TO IESNA STANDARDS AND GOOD PRACTICE. SOME DIFFERENCES BETWEEN MEASURED VALUES AND CALCULATED RESULTS MAY OCCUR DUE TO TOLERANCES IN THE CALCULATION METHODS,TESTING PROCEDURES, COMPONENT PERFORMANCE, MEASURED TECHNIQUES AND FIELD CONDITIONS SUCH AS VOLTAGE AND TEMPERATURE VARIATIONS. INPUT DATA USED TO GENERATE THE ATTACHED CALCULATIONS SUCH AS REFLECTANCES, AND ARCHITECTURAL ELEMENTS SIGNIFICANTLY AFFECT THE LIGHTING CALCULATIONS. IF THE REAL ENVIRONMENTAL CONDITIONS DO NOT MATCH THE INPUT DATA, AND ACTUAL LIGHTING FIXTURES INSTALLED, DIFFERENCES WILL OCCUR BETWEEN VALUES AND CALCULATED RESULTS. THE OUTDOOR AREA BEING CALCULATED, IS CONSIDERED TO BE COMPLETELY EMPTY OR FLAT UNLESS NOTED OTHERWISE. UNLESS SPECIFICALLY STATED OTHERWISE, PREDICTED FOOT CANDLES ARE NOT A RECOMMENDATION OF LIGHTING LEVELS. RECIPIENT OF THIS REPORT, OR SOMEONE DESIGNATED BY THE RECIPIENT, MUST VERIFY THAT ALL LIGHTING FIXTURES WILL PHYSICALLY FIT WITHIN THE SPECIFIED LOCATION(S). CATALOG NUMBERS OF LIGHTING FIXTURES MAY NOT BE COMPLETE AS ALL CONDITIONS MAY NOT BE KNOWN. THE AUTHOR OF THESE DOCUMENTS, ASSUMES NO RESPONSIBILITY FOR ANY SUCH VARIANCES AND WILL NOT BE HELD RESPONSIBLE FOR LIGHTING LEVELS DIFFERENT FROM PREDICTED LEVELS IN THIS REPORT DUE TO THE ABOVE DESCRIBED FACTORS AND OR CONDITIONS.

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REV	DATE	ITEM





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SITE PLAN - LIGHTING CALCULATIONS
North / Elev Key Sheet
EL-1
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