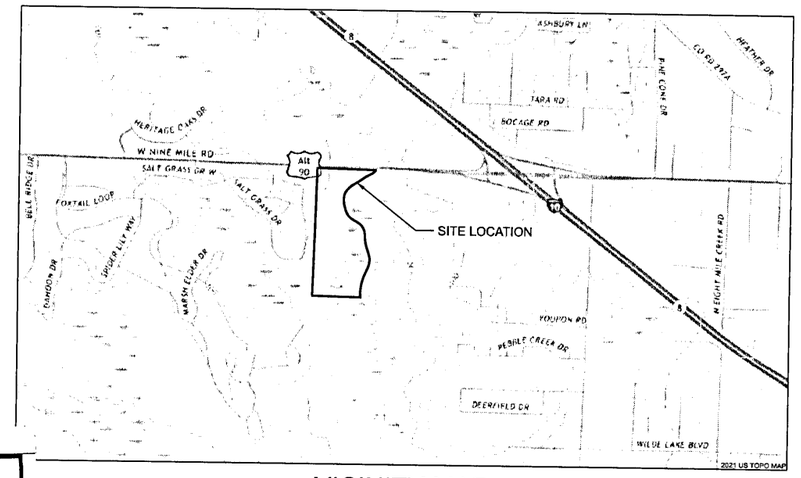
ESCAMBIA COUNTY DRC
FINAL SUBMITTAL FOR
PROJECT 52 PHASE II
3811 WEST NINE MILE ROAD
PENSACOLA, FL 32526
JANUARY 2022



VICINITY MAP

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Approved
ESCAMBIA COUNTY DRC PLAN REVIEW

DRC Chairman Signature: J. Hampton 1-12-2022
Date

Printed Name: Jennifer Hampton
Development Services Director or Designee

This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.

PREPARED FOR THE

THE DAWSON COMPANY
PENSACOLA, FL

Jacobs

JACOBS PROJECT NUMBER: D3530400

NOT FOR CONSTRUCTION

GENERAL SITE NOTES:

1. SOURCE OF TOPOGRAPHY SHOWN ON THE CIVIL PLANS ARE BASE MAPS PROVIDED BY RUBEN SURVEYING & MAPPING. ADDITIONAL MAPPING HAS BEEN ADDED FROM AS-BUILT DATA AND SUPPLEMENT SURVEY FROM RECORD DRAWINGS AND AERIAL IMAGES. EXISTING CONDITIONS MAY VARY FROM THOSE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO BEGINNING CONSTRUCTION.
2. EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED.
3. HORIZONTAL DATUM: NAD83. FLORIDA STATE PLANE NORTH, US SURVEY FEET.

   ***NOTE: HORIZONTAL DATUM HAS BEEN ROTATED. SEE PLANS FOR MORE INFORMATION.
4. VERTICAL DATUM: NAVD88
5. MAINTAIN, RELOCATE, OR REPLACE EXISTING SURVEY MONUMENTS, CONTROL POINTS, AND STAKES WHICH ARE DISTURBED OR DESTROYED. PERFORM THE WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER, AND AT THE CONTRACTOR'S EXPENSE.
6. FOR LOCATION OF CONTROL POINT ON STRUCTURES, SEE CIVIL DRAWINGS.
7. COORDINATES AND DIMENSIONS SHOWN FOR ROADWAY IMPROVEMENTS ARE TO FACE OF CURB OR EDGE OF PAVEMENT.
8. STAGING AREA SHALL BE FOR CONTRACTOR'S EMPLOYEE PARKING, CONTRACTOR'S TRAILERS AND ON-SITE STORAGE OF MATERIALS.
9. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
10. SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION CONTROL DEVICES DURING CONSTRUCTION.
12. CONTRACTOR SHALL REFER TO ECUA ENGINEERING MANUAL, ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS AND FDOT STANDARD SPECIFICATIONS FOR ALL ASSOCIATED CIVIL WORK. ECUA STANDARDS SHALL PREVAIL.

EROSION CONTROL NOTES:

1. ALL PERIMITER EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF SITE WORK AND REMAIN UNTIL PERMANENT GROUND COVER IS ESTABLISHED. CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE DAMAGED ITEMS.
2. SOIL DISTURBING ACTIVITIES WILL INCLUDE: PLACEMENT OF EROSION CONTROL MEASURES, GRADING OPERATIONS, CONSTRUCTION OF FACILITIES, CONSTRUCTION OF CONCRETE, CONCRETE PAVEMENT, TRENCHING AND UTILITY INSTALLATION.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES INSTALLED IN GOOD WORKING ORDER FOR THE FULL DURATION OF THIS CONTRACT.
4. EROSION, SEDIMENT AND POLLUTION CONTROL MEASURES SHALL BE PROVIDED AS SHOWN AND ARE THE MINIMUM REQUIRED. ADDITIONAL DEVICES MAY BE REQUIRED AS NECESSARY DURING CONSTRUCTION.
5. CONTRACTOR SHALL INSTALL AND ADD TO EROSION CONTROL MEASURES AS DIRECTED BY THE ENGINEER'S CERTIFIED DESIGN PROFESSIONAL.
6. PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE, AT A MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE FLORIDA EROSION AND SEDIMENT CONTROL DEISGNER AND REVIEWER MANUAL (E&SC) MANUAL. THIS DESIGN SHALL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THIS PUBLICATION.
7. NO BURN OR BURY PITS SHALL BE PERMITTED ON THE SITE WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE SITE OWNER.
8. A TEMPORARY COVER OF HEAVY MULCH OR MULCH WITH TEMPORARY SEEDING SHALL BE PLACED ON ALL AREAS WHERE PERMANENT COVER CAN NOT BE ESTABLISHED IMMEDIATELY DUE TO SEASONAL LIMITATIONS.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT UNDER NO CIRCUMSTANCES ANY SEDIMENT, TRASH, OR DEBRIS BE ALLOWED ONTO ADJACENT PROPERTIES, PUBLIC LANDS, OR OUTSIDE OF THE CONSTRUCTION LIMITS.
10. TEMPORARY SEDIMENT CONTROL FENCE SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE LIFE OF THE PROJECT. THE CONTRACTOR SHALL INSPECT FENCE DAILY AND AFTER EVERY RAIN EVENT. ACCUMULATED SILT SHALL BE REMOVED AS SOON AS PRACTICAL, BUT NO LATER THAN WHEN FENCE IS HALF FULL. CONTRACTOR SHALL REMOVE THE SEDIMENT FENCE WHEN PERMANENT GRASSING HAS BEEN ESTABLISHED.
11. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL MEET THE MINIMUM REQUIREMENTS OF THE SPECIFICATIONS AND ALL LOCAL, STATE, AND FEDERAL LAWS AS APPLICABLE TO THIS PROJECT. ALL DEVICES SHALL BE PROPERLY INSTALLED AND BE OF SUITABLE MATERIALS. ANY DEVICES JUDGED TO BE INADEQUATE IN MATERIAL AND/OR CONSTRUCTION WILL IMMEDIATELY BE REPLACED WITH NEW OR ADDITIONAL DEVICES TO ENSURE PROPER CONTROL.
12. ALL WASTEWATER FROM CONSTRUCTION ACTIVITIES OR CLEANING OPERATIONS SHALL NOT BE DISCHARGED ON THE GROUND.
13. PREVENT SURFACE AND STORM WATER RUNOFF FROM ENTERING EXCAVATIONS.

EROSION CONTROL LEGEND

CEP	CONSTRUCTION EXIT PAD	OP	OUTLET PROTECTION
DC	DUST CONTROL	BIP	BLOCK AND GRAVEL INLET PROTECTION OR FILTER SOCK
GK	GROUNDSKEEPING	FIP	FABRIC DROP INLET PROTECTION
MU	MULCHING	SB	SEDIMENT BARRIER (FENCE)
PS	PERMANENT SEEDING	ST	SEDIMENT TRAP

CIVIL LEGEND

EXISTING	THIS CONTRACT	
	158.5	SPOT ELEVATION
	155	CONTOUR LINE
	3:1	EMBANKMENT AND SLOPE
		DRAINAGEWAY OR DITCH
		CATCH BASIN OR INLET
	OR	SIGN
	D OR S	MANHOLE
		ELECTRICAL MANHOLE/ HANDHOLE
		POST OR GUARD POST
		GUY ANCHOR
		FIRE HYDRANT
		UTILITY POLE
P1	P1	LIGHT POLE
		SURVEY CONTROL POINT OR POINT OF INTERSECTION
		BRUSH/TREE LINE
		TREE
		PROPERTY LINE
		CENTER LINE, BUILDING, ROAD, ETC.
		LIMITS OF CONSTRUCTION
	N 1000.00 / E 1000.00	STRUCTURE, BUILDING OR FACILITY LOCATION POINT - COORDINATES
	B-1	BORING LOCATION AND NUMBER
OR	OR	DEMOLITION
OR	OR	STRUCTURE, BUILDING OR FACILITY
		ASPHALT PAVEMENT
		ASPHALT PAVEMENT RESURFACING
		GRAVEL SURFACING
		CONCRETE PAVEMENT & SIDEWALK
		VALLEY GUTTER
	DB / CE	BURIED ELECTRIC
		SINGLE SWING GATE
		DOUBLE SWING GATE
		BARBED WIRE CHAIN LINK FENCE (W/ TAPE)
		SEDIMENT FENCE
		ORANGE BARRIER FENCE
		CULVERT/ STORMWATER PIPE AND HEADWALL
		FEMA 100 YEAR FLOOD BOUNDARY
		RIPRAP OUTLET PROTECTION

GENERAL UTILITY NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN OBTAINED FROM RECORD DRAWINGS AND AERIAL IMAGES. NOT ALL UTILITIES ARE SHOWN. UNLESS OTHERWISE NOTED ALL UNDERGROUND FEATURES ARE SHOWN AT ASCE 38-02 QUALITY LEVEL D.

   ASCE 38-02 DEFINITIONS:
   QUALITY LEVEL D: INFORMATION DERIVED FROM EXISTING RECORDS.
   QUALITY LEVEL C: INFORMATION OBTAINED FROM SURVEYING ABOVE GROUND UTILITY FEATURES.
   QUALITY LEVEL B: INFORMATION OBTAINED FROM SURFACE GEOPHYSICAL METHODS, MARKED, SURVEYED (WITH TOLERANCES), AND MAPPED.
   QUALITY LEVEL A: PRECISE HORIZONTAL AND VERTICAL LOCATION KNOWN.
2. CONTRACTOR SHALL USE NON-DESTRUCTIVE METHODS (HAND-DIGGING, POTHOLING, ETC.) TO FIELD VERIFY DEPTH AND LOCATION OF EXISTING PIPING UNLESS OTHERWISE NOTED, PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
3. UNLESS OTHERWISE SHOWN ALL PIPING SHALL HAVE A MINIMUM OF 3 FEET COVER.
4. ALL PIPES SHALL HAVE A CONSTANT SLOPE BETWEEN INVERT ELEVATIONS UNLESS A FITTING IS SHOWN.
5. ALL NEW WATER PIPES MUST BE PROPERLY FLUSHED, PRESSURE TESTED, CHLORINATED AND BACTERIOLOGICALLY TESTED, AS SPECIFIED.
6. MINIMUM ALLOWABLE CLEARANCE BETWEEN PIPES AT CROSSINGS SHALL BE 6". CONTROLLED DENSITY FILL SUPPORT IS REQUIRED AT CROSSINGS LESS THAN 12".
7. FOR TRENCHING AND BACKFILL, SEE (3123-110)
8. UNLESS OTHERWISE NOTED, ALL SURFACE RESTORATION OF TRENCHES SHALL BE COMPLETED PER DETAIL (3123-115)
9. THE CONTRACTOR SHALL COORDINATE WITH ECUA, GULF POWER, OR ANY OTHER UTILITY COMPANIES HAVING JURSDICTION FOR REMOVAL/RELOCATION AND/OR PROTECTION OF EXISTING UTILITY POLES, AERAL LINES, FIRE HYDRANTS, AND OTHER UTILITES AS NECESSARY TO COMPLETE CONSTRUCTION.
10. ALL NEW WATER LINES SHALL BE CLEANED, DISENFECTED, PRESSURE TESTED, AND BACTERIOLGICALLY CLEANED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES AND REGULATIONS.
11. ALL WATER MAINS SHALL BE NSF APPROVED FOR POTABLE WATER USE.
12. MAINTAIN 18 INCH MINIMUM VERTICAL SEPERATION BETWEEN ALL POTABLE WATER MAINS AND SANITARY SEWER GRAVITY. (WATER ABOVE SEWER).
13. THE TOP OF ALL CLEANOUTS SHALL BE FLUSH WITH THE PAVEMENT OR, WHEN NOT IN THE PAYMENT, FLUSH WITH THE FINISH GARDE CONNECTION POINTS FOR UTILITIES SHALL BE CLEARLY MARKED FOR FUTURE BUILDING CONNECTION. COORDINATE WITH THE PLUMBING CONTRACTOR.
14. ALL WATER AND SEWER WORK SHALL BE IN ACCORDNACE WITH THE LATEST EDITION OF THEE ECUA ENGINEERING MANUAL.
15. ADEQUATE PROVISIONS SHALL BE MADE FOR THE FLOW OF SEWERS, DRAINS AND WATER COURSES ENCOUNTERED DURING CONSTRUCTION.
16. THE CONTRACTOR SHALL NOTIFIY THE APPORPRIATE UTILITY COMPANIES 72 HOURS (3 BUSINESS DAYS) PRIOR TO BEGINNING CONSTRUCTION.
17. ALL NEW WATER AND SEWER SERVICE LINES SHALL HAVE A MINIMUM COVER OF THE 30 INCHES (MAXIMUM 36"), UNLESS OTHERWISE NOTED.
18. THE CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR FOR BUILDING UTILITY CONNECTIONS.
19. ANY REMOVAL OR RELOCATION OF ECUA WATER/SEWER UTILITIES MUST BE APPROVED IN WRITING PRIOR TO THE WORK BEING DONE.

REFER TO ECUA ENGINEERING MANUAL (09-01-2016) DIVISION 4 FOR ALL ECUA STANDARD DETAILS

YARD PIPING LEGEND

EXISTING	THIS CONTRACT	
	8" PE	NOMINAL PIPE DIAMETER / PIPE USE IDENTIFICATION
		PIPING < 30" DIAMETER
		PIPING ≧ 30" DIAMETER
		EXISTING PIPE TO BE ABANDONED
		EXISTING PIPE TO BE REMOVED
		NON-FREEZE HOSE VALVE (V-X) X = NO. IN SPECIFICATIONS
		NON-FREEZE HOSE VALVE WITH HOSE RACK (V-X) X = NO. IN SPECIFICATIONS
		INDICATOR POST VALVE
		GATE VALVE AND VALVE BOX
		BUTTERFLY VALVE AND VALVE BOX
		PLUG VALVE AND VALVE BOX
		FLEXIBLE COUPLING
		90° ELBOW UP
		90° ELBOW DOWN
		BEND < 90° UP
		BEND < 90° DOWN
		CONCENTRIC REDUCER
		CAP OR PLUG
		CLEANOUT
		FIRE HYDRANT

NO.	DATE	REVISION	BY	APVD
DSGN	N. MEADE	CHK		
DR	N. MEADE	APVD		

Jacobs
25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2822

ELEVATE
THE DAWSON COMPANY
PENSACOLA, FLORIDA

GENERAL
CIVIL LEGEND AND NOTES

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

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PROJ	D3530400
DWG	G-01
SHEET	2 of

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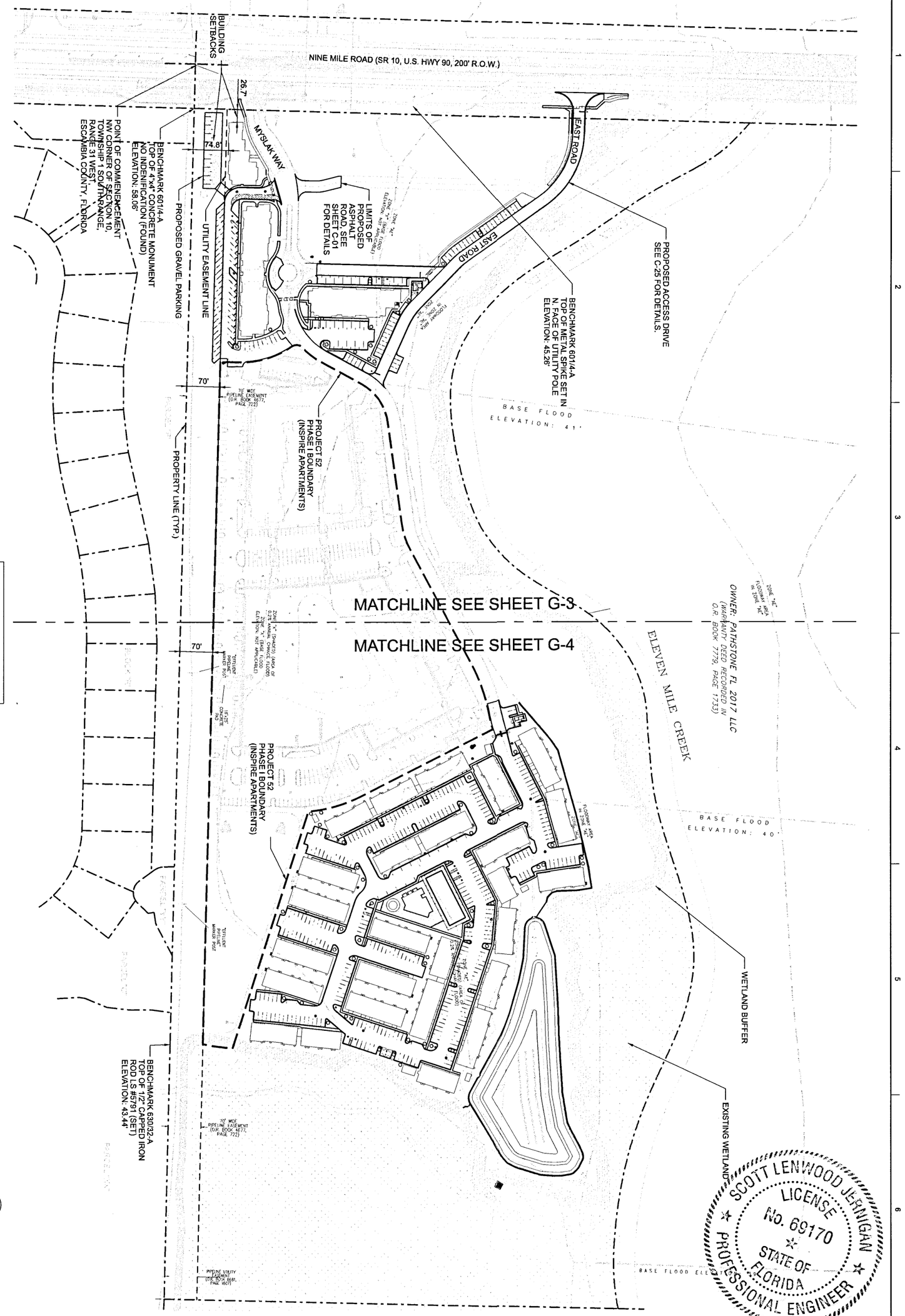

NOTE:
ALL WETLANDS & WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.

PHASE II PARKING SPACE CALCULATION
NORTH = 148
SOUTH = 324
TOTAL = 472

SPWURL

SPWPATH

FILENAME:

PLOT DATE: 1/6/2022

PLOT TIME: 12:23:53 PM

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"

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DWG	G-02
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GENERAL

OVERALL SITE PLAN

ELEVATE

THE DAWSON COMPANY
PENSACOLA, FLORIDA

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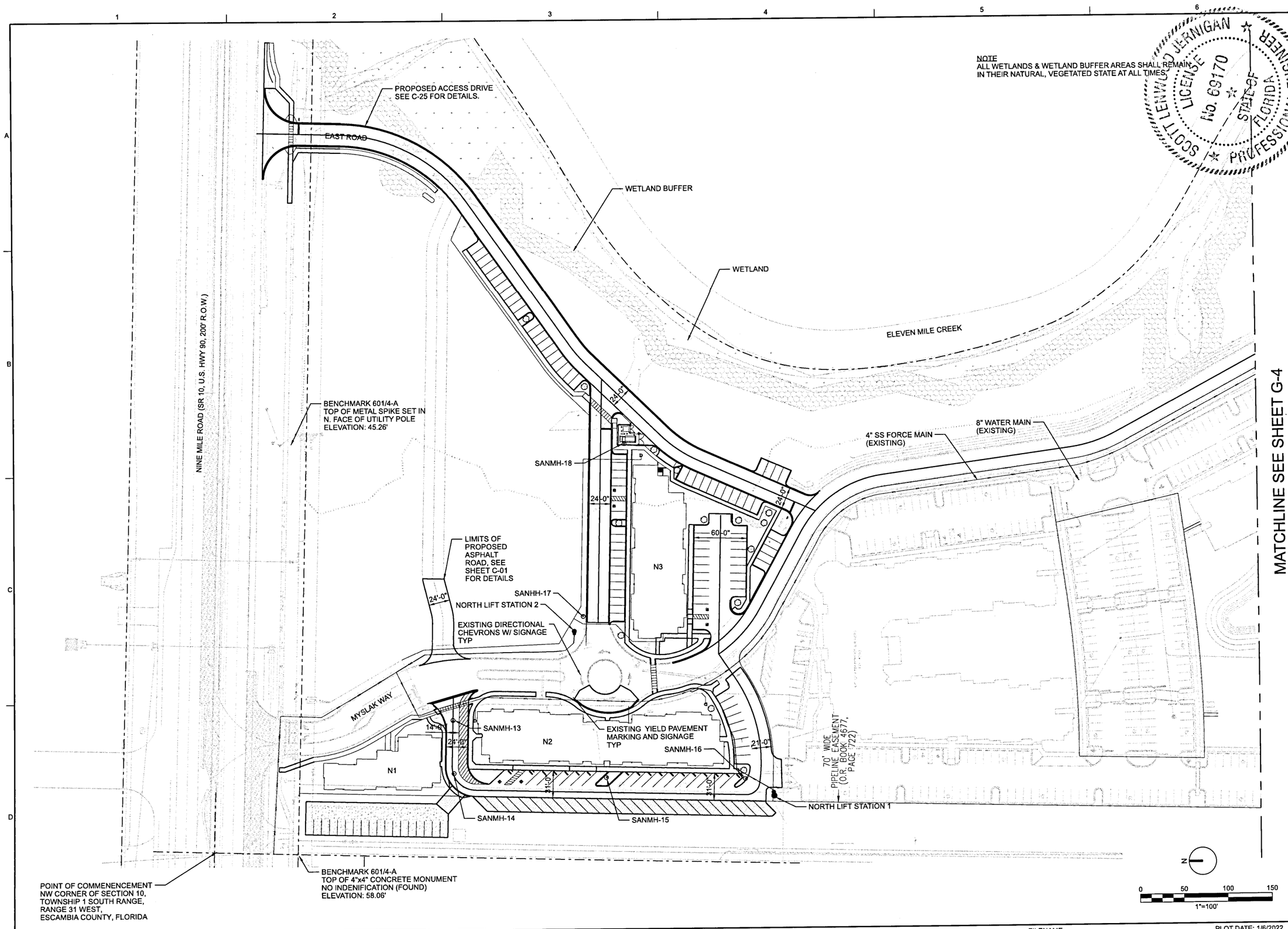

NOTE
ALL WETLANDS & WETLAND BUFFER AREAS SHALL REMAIN
IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.

SCOTT LENWOOD JERNIGAN
LICENSE No. 69170
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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DR | CHK | APVD

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PENSACOLA, FLORIDA 32502
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ELEVATE

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PENSACOLA, FLORIDA

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GENERAL
OVERALL SITE PLAN
NORTH

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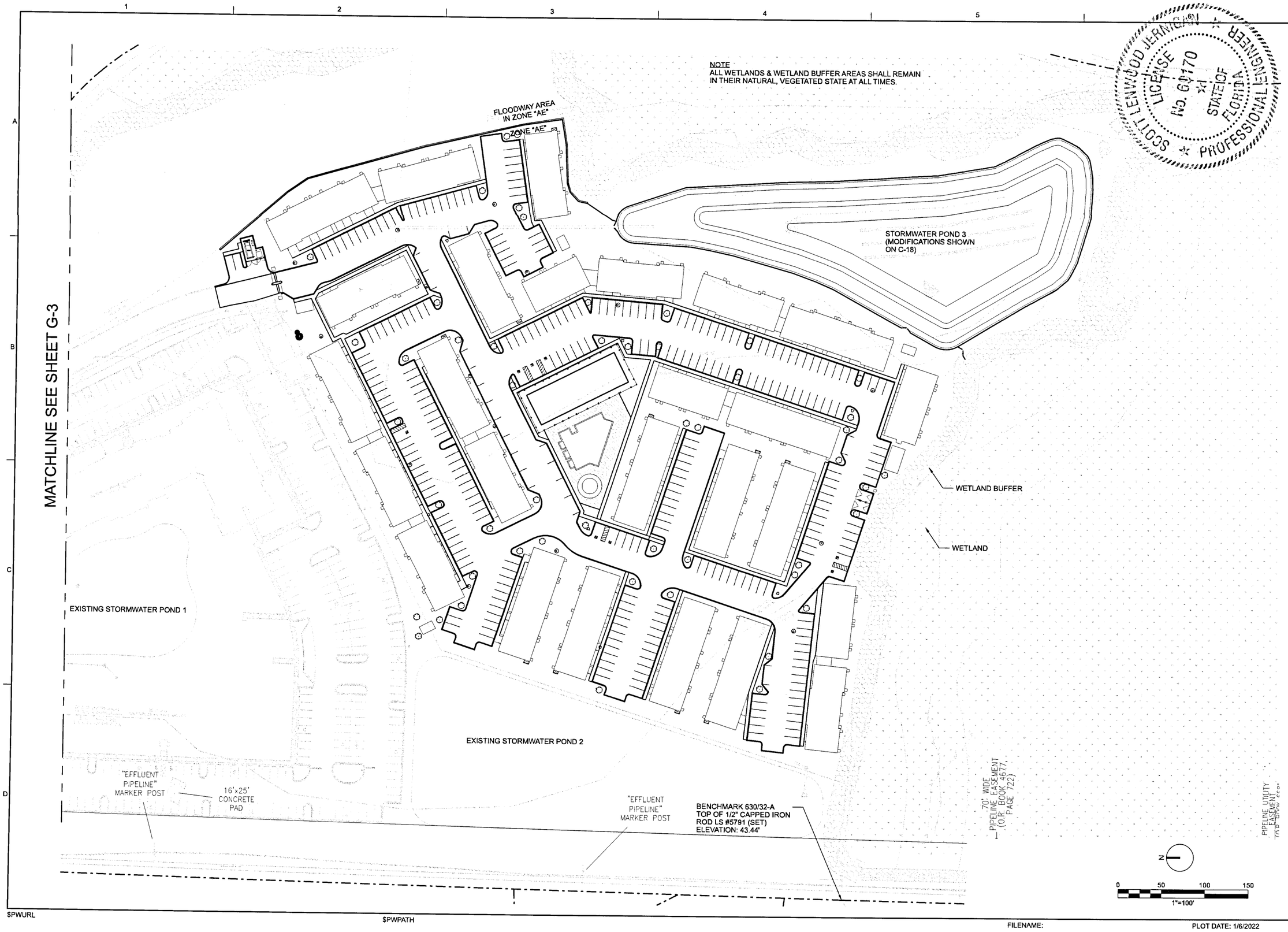
SHEET	4 of



SCOTT LENWOOD JERNIGAN
LICENSE No. 60170
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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PENSACOLA, FLORIDA

GENERAL
OVERALL SITE PLAN SOUTH

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JANUARY 2022
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DWG	G-04
SHEET	5 of

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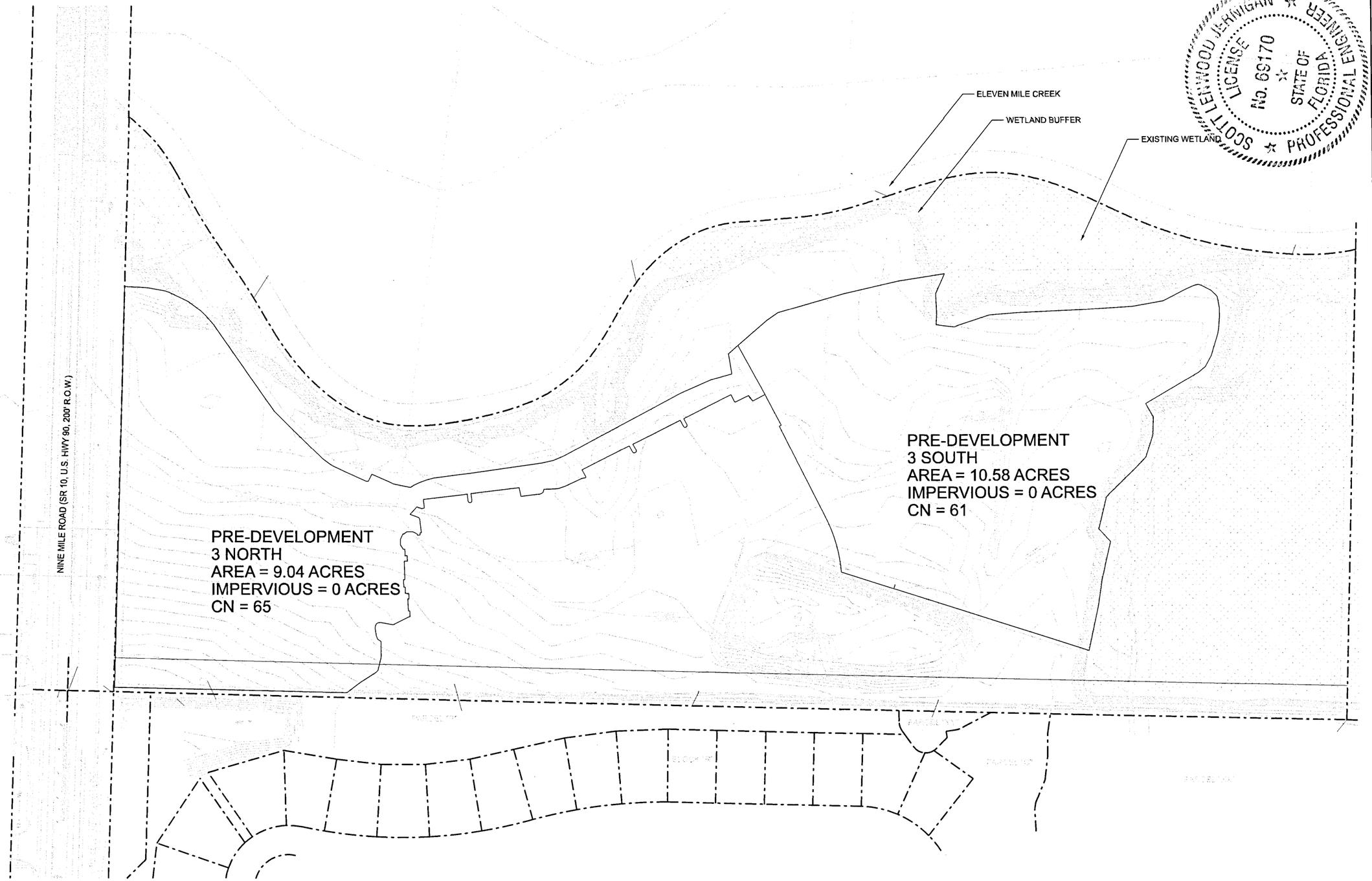

PHASE II - PRE-DEVELOPMENT SITE TOTALS

AREA = 19.61 ACRES
IMPERVIOUS = 0 ACRES / 0%

N

0 100 200 300
1"=100'

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1/6/22

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THE DAWSON COMPANY
PENSACOLA, FLORIDA

GENERAL
PRE-DEVELOPMENT
DRAINAGE AREA MAP

VERIFY SCALE
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0 1"

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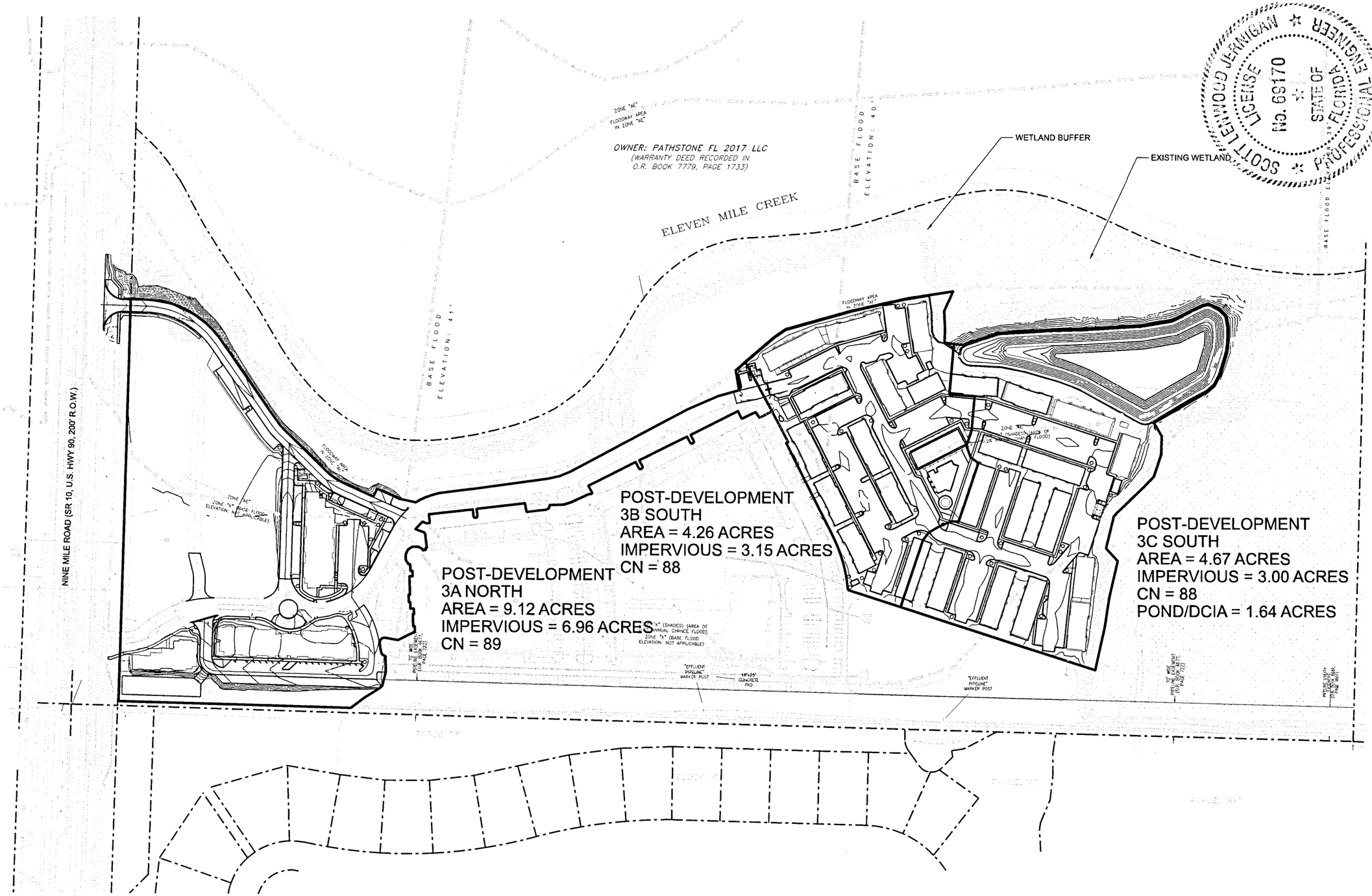

PHASE II - POST-DEVELOPMENT SITE TOTALS

AREA = 19.69 ACRES
POND AREA = 1.64 ACRES
IMPERVIOUS = 13.11 ACRES / 72.6%

N

0 100 200 300
1"=100'

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PENSACOLA, FLORIDA

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GENERAL
POST-DEVELOPMENT
DRAINAGE AREA MAP

VERIFY SCALE
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0 1"

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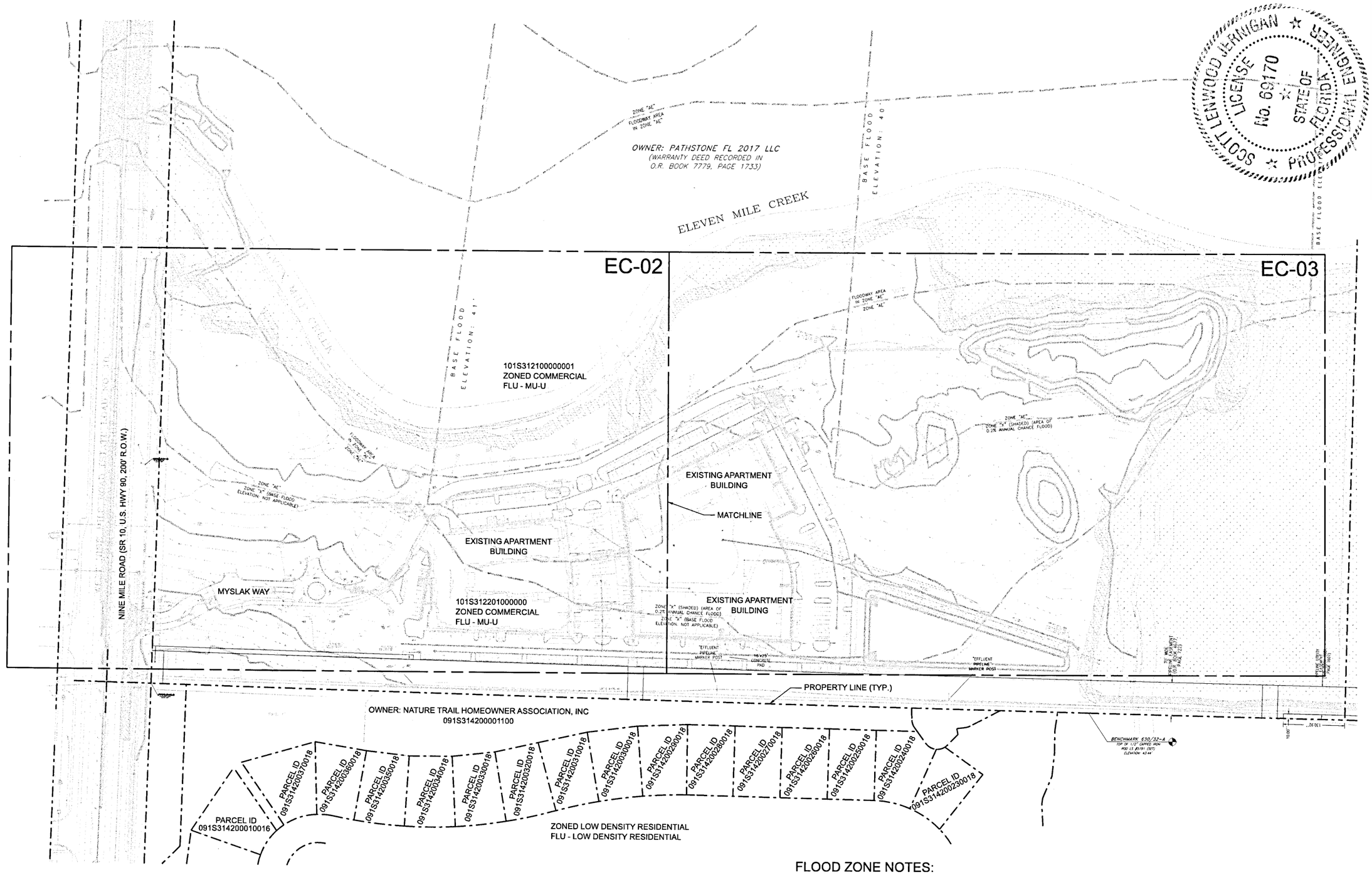

GENERAL NOTES

1. ALL WETLANDS AND WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.

FLOOD ZONE NOTES:

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE AE, BASE FLOOD ELEVATION 41, (AREAS SUBJECT TO INUNDATION BY THE 1-PERCENT-ANNUAL-CHANCE FLOOD EVENT DETERMINED BY DETAILED METHODS. BFES ARE SHOWN WITHINN THESE ZONES), AND FLOOD ZONE X, AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORID, COMMUNITY 120080, FIRM MAP PANEL NUMBERS12033C0290G, MAP REVISION DATED SEPTEMBER 29, 2006.

N

0 100 200 300
1"=100'

SCOTT LENWOOD JERNIGAN ★ LICENSE No. 69170 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

1/6/22

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PENSACOLA, FLORIDA

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EROSION CONTROL
EXISTING SITE

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

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ELEVEN MILE CREEK WATERWAY

WETLAND

25 FT WETLAND BUFFER

SILT FENCE

REMOVE EXISTING MITERED END SECTION AND RIP RAP

SEE FDOT ACCESS PLAN FOR SIDEWALK AND GUARDRAIL DEMOLITION LIMITS

T34 REMOVE

T31, T32, T33 REMOVE

T42 REMOVE

APPROXIMATE AREA OF CLEARING (3.52 AC) INCLUDES TREE REMOVAL

T40 REMOVE

T41 REMOVE

APPROXIMATE AREA OF DUST CONTROL 5.5 AC

T1 REMOVE

PROPERTY LINE (TYP.)

T4 PROTECT

T7 REMOVE

T5 PROTECT

T6 PROTECT

T8 REMOVE

REMOVE EXISTING SEPTIC TANK AND DRAIN FIELD

REMOVE EXISTING STRUCTURE

DEMOLISH EXISTING CURB AND PAVEMENT WITHIN PROPOSED CURB AND PAVEMENT LIMITS

T28, T29, T30 PROTECT

EXISTING ASPHALT PARKING LOT AND CIRCULATION ROAD

SILT FENCE

REMOVE EXISTING ASPHALT, CONCRETE, DRAINAGE STRUCTURES, UTILITIES AND APPURTENANCES WITHIN BUILDING FOOTPRINT AND PROPOSED CURB

PROPERTY LINE (TYP.)

BASE FLOOD ELEVATION: 41'

FLOODWAY AREA IN ZONE "AE"

ZONE "AE" (BASE FLOOD ELEVATION: NOT APPLICABLE)

OP CEP SB BIP FIP DC

GENERAL NOTES

1. ALL WETLANDS AND WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.

N

0 100 200 300

1"=100'

SCOTT LENWOOD JERNIGAN LICENSE No. 69170 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/6/22

NO.	DATE	REVISION	BY	APVD

DSGN N MEADE DR N MEADE CHK APVD

25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2822

ELEVATE

THE DAWSON COMPANY
PENSACOLA, FLORIDA

Jacobs

EROSION CONTROL

EXISTING SITE/DEMOLITION/ EROSION CONTROL - NORTH

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

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NOT FOR CONSTRUCTION

$PWURL $PWPATH FILENAME: PLOT DATE: 12/21/2021 PLOT TIME: 11:31:33 AM

T38-PROTECT
T37-PROTECT
25 FT WETLAND BUFFER
BEGIN DOUBLE SILT FENCE
APPROXIMATE AREA OF TREE REMOVAL (2.48 AC)
SILT FENCE
T45 - REMOVE
T39-PROTECT
FLOODWAY AREA IN ZONE "AE"
ZONE "AE"
T14 - REMOVE
DOUBLE SILT FENCE TO CONTINUE ALONG WETLAND BUFFER
T22 - PROTECT
T15-PROTECT
REMOVE EXISTING MITERED END SECTION AND RIP-RAP. SEE GRADING PLANS FOR PIPE MODIFICATIONS
T19 - REMOVE
EXISTING STORMWATER POND SEE C-18 FOR GRADING MODIFICATIONS.
ZONE "AE"
ZONE "X" (SHADED) (AREA OF 0.2% ANNUAL CHANCE FLOOD)
DOUBLE ROW SILT FENCE (TYP.)
REMOVE EXISTING SILT FENCE
SINGLE ROW SILT FENCE 5 FT OFFSET FROM BACK OF CURB. (DO NOT DAMAGE OR DISTURB TREES OR LIGHT POLES)
DEMO EXISTING STORMWATER PIPE
EXISTING APARTMENT BUILDINGS (2)
SINGLE ROW SILT FENCE ALONG TOP OF EXISTING POND
SINGLE ROW SILT FENCE ALONG TOP OF EXISTING POND
CLEAR AREA BETWEEN EXISTING TREELINE EDGE OF WETLAND BUFFER
ZONE "X" (SHADED) (AREA OF 0.2% ANNUAL CHANCE FLOOD)
ZONE "X" (BASE FLOOD ELEVATION: NOT APPLICABLE)
"EFFLUENT PIPELINE" MARKER POST
16'x25' CONCRETE PAD
"EFFLUENT PIPELINE" MARKER POST
70' WIDE PIPELINE EASEMENT (O.R. BOOK 4677, PAGE 722)
PROPERTY LINE
UTILITY EASEMENT
END DOUBLE SILT FENCE
25 FT WETLAND BUFFER

SB
OP
CEP
FIP
BIP
DC

GENERAL NOTES

1. ALL WETLANDS AND WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.

N

0 100 200 300
1"=100'

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PENSACOLA, FLORIDA 32502
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ELEVATE
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PENSACOLA, FLORIDA

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EROSION CONTROL
EXISTING SITE/DEMOLITION/ EROSION CONTROL - SOUTH

VERIFY SCALE
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0 1"

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NOT FOR CONSTRUCTION

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.

2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.

3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

4. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (E&SC MANUAL), JULY 2013.

5. A BITUMINOUS CONCRETE BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE BITUMINOUS CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.

6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (5) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL, ACCORDING TO STATE STANDARDS.

7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).

8. A CRUSHED LIMEROCK, VEHICLE WHEEL-CLEANING BLANKET SHALL BE INSTALLED AT THE CONTRACTOR'S STAGING YARD AND/OR STOCKPILE AREAS TO PREVENT OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES ONTO PUBLIC ROADS. BLANKET SHALL BE 15 FT. X 50 FT. X 6 IN. MINIMUM, CRUSHED LIMEROCK 2 ½ INCHES IN DIAMETER. SAID BLANKET SHALL BE UNDERLAIN WITH A FDOT CLASS 3 SYNTHETIC FILTER FABRIC AND MAINTAINED IN GOOD ORDER.

9. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.

10. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.

11. UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.

12. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

14. THE SITE SHALL BE GRADED AND MAINTAINED AT ALL TIMES SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.

15. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.

16. ANY AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NO LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS, SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.

17. INSTALLATION AND MATERIALS FOR SEEDING AND MULCH SHALL MEET THE REQUIREMENTS OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

SEED MIXTURE	RATE	PURITY	GERMINATION
ARGENTINE BAHIA	260 LBS/AC.	95%	80%
PENSACOLA BAHIA	260 LBS/AC.	95%	40% (MIN.) - 80% (TOTAL)

SOD SHALL BE WELL ROOT MATTED CENTIPEDE OR BAHIA GRASS COMMERCIALLY CUT TO A MINIMUM DIMENSION OF 12" X 24" A MAXIMUM OF 72 HOURS PRIOR TO PLACEMENT. SOD SHALL BE LIVE, FRESH, AND UNINJURED, REASONABLEY FREE OF WEEDS AND OTHER GRASSES, WITH A HEAVY SOIL MAT ADHERING TO THE ROOT SYSTEM. SOD SHALL BE GROWN, CUT, AND SUPPLIED BY A STATE CERTIFIED GROWER.

18. ALL AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.

PROPOSED SEQUENCE OF CONSTRUCTION:

1. THE INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.

2. CLEAR AND REMOVE ALL EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION IS TO BE PROPERLY PROTECTED AND IS TO REMAIN IN ITS NATURAL STATE. TOPSOIL IN AREAS TO BE DISTURBED IS TO BE STRIPPED TO A MINIMUM DEPTH OF SIX (6) INCHES AND STOCKPILED SEPARATELY FROM OTHER EXCAVATED SOILS.

3. THE IMMEDIATE INSTALLATION OF ALL REMAINING SEDIMENT AND EROSION CONTROL DEVICES.

4. PERFORM ALL DEMOLITION WORK.

5. CONSTRUCT ALL UNDERGROUND UTILITIES AND STORM DRAIN SYSTEMS.

6. CONSTRUCT ROADS (SUBGRADE, CUB & GUTTER, BASE, PAVEMENT, SIDEWALKS AND LANDSCAPING).

7. COMPLETE STORMWATER PONDS.

8. UPON THE COMPLETION OF THE CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE, RESPREAD STOCKPILED TOPSOIL AND STABILIZE WITH PERMANENT VEGETATIVE COVER AND LANDSCAPING.

9. THE REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.

ESCAMBIA COUNTY STORMWATER NOTES:

1. THE PROJECT ENGINEER OF RECORD SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILTS" CERTIFICATIONS OR THE "AS-BUILTS" RECORD DRAWINGS MUST BE SIGNED, SEALED, AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.

2. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSURANCE OF A FINAL CERIFICATE OF OCCUPANCY.

3. NO DIVIATION OR REVISIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ESCAMBIA COUNTY. ANY DIVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.

4. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON THE SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION.

5. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION AND TAKE ADEQUATE MEASURES TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO SEDIMENTS.

6. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD.

7. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.

8. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.

9. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OR RECORD PRIOR TO REQUESTING FINAL INSPECTION.

10. THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WIHT THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT (850) 595-3472. AS BUILT CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.

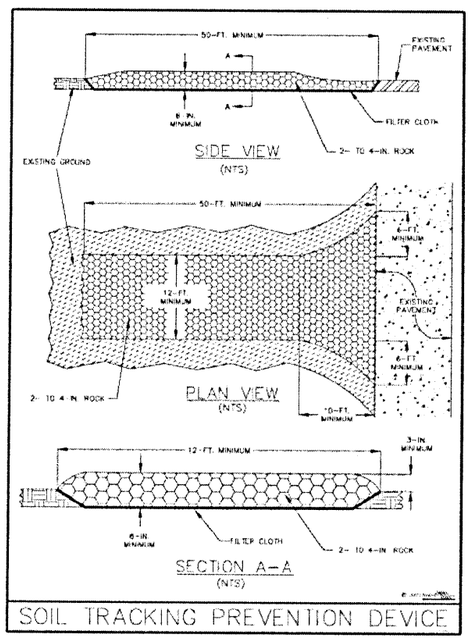
11. CONTRACTOR SHALL OBTAIN BUILDING INSPECTION DEPARTMENT PERMIT(S) FOR ANY RETAINING WALL HIGHER THAN 2 FEET.

12. NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITH R/W; 1-800-432-4770.

13. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE DEVELOPER PRIOR TO FINAL "AS-BUILT" SIGN OFF FROM THE COUNTY.

14. THE CONTRACTION SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT-OF-WAY.

STATE OF FLORIDA E&SC DESIGNER & REVIEWER MANUAL; LATEST EDITION: JULY 2013



SOIL TRACKING PREVENTION DEVICE

TREE CHART AND NOTES:

TREE #	SIZE & TYPE	REMOVE/ PROTECT
T-1	19" OAK	REMOVE
T-4	34" OAK	PROTECT
T-5	24" OAK	PROTECT
T-6	18" OAK	PROTECT
T-7	38" DUB OAK	REMOVE
T-8	23" DUB OAK	REMOVE
T-15	13" OAK	PROTECT
T-16	14" OAK	PROTECT
T-19	18" OAK	REMOVE
T-20	16" OAK	REMOVE
T-22	14" OAK	REMOVE
T-23	14" CEDAR	REMOVE
T-24	18" OAK	REMOVE
T-25	18" OAK	REMOVE
T-26	17" OAK	REMOVE
T-28	24" OAK	PROTECT
T-29	24" OAK	PROTECT
T-30	13" OAK	PROTECT
T-31	24" TRI OAK	REMOVE
T-32	14" OAK	REMOVE
T-33	24" DUB OAK	REMOVE
T-34	19" DUB OAK	REMOVE
T-37	35" QUD OAK	PROTECT
T-38	17" OAK	PROTECT
T-39	18" OAK	PROTECT
T-40	44" PEN OAK	REMOVE
T-41	29" DUB OAK	REMOVE
T-42	22" DUB OAK	REMOVE
T-45	20" OAK	REMOVE

TREE PROTECTION NOTES:

1. ALL TREE BARRICADES (IF NOT OTHERWISE PROTECTED BY SILT FENCE AND OUT OF THE DISTURBED AREA LIMITS) SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES AND MAINTAINED IN GOOD WORKING ORDER UNTIL THE PROJECT IS COMPLETE AND THE SITE IS STABILIZED.

2. NO DISTURBANCE OR CLEARING SHALL OCCUR OUTSIDE THE LIMITS OF CONSTRUCTION OR UNDER THE DRIP LINE OF PROTECTED TREES.

TREE REPLACEMENT NOTES:

1. REPLACEMENT RATIO:
TOTAL PROTECTED TREE TRUNK DIAMETER (DBH) REMOVED = 391 INCHES
391 X 0.50 = 195.5 INCHES.
TOTAL CALIPER REPLACEMENT REQUIRED= 196 INCHES

2. ALL REPLACEMENT TREES MUST MEET THE REQUIREMENTS OF THE ESCAMBIA COUNTY DESIGN STANDARDS MANUAL.

3. TREES MUST ATTAIN A MATURE HEIGHT OF 20 FEET AND HAVE A MINIMUM CALIPER OF 2.5 INCHES OR GREATER MEASURED AT 4 INCHES ABOVE ROOT BALL AT PLANTING.

4. NON-NATIVE SPECIES ARE LIMITED TO 25 PERCENT OR LESS OF THE TOTAL REQUIRED TREES PLANTED.

5. THE MAXIMUM PERCENTAGE OF ANY ONE SPECIES OF TREE IS 30%.

TREE LEGEND:

DENOTES PROPOSED TREE WITH 3.5 INCH CALIPER AT DBH
(LIVE OAK OR APPROVED EQUAL)
(MINIMUM 10 FT MATURE HEIGHT AT TIME OF PLANTING)
(MATURE HEIGHT > 30 FT)
TOTAL # TREES = 64
TOTAL CALIPER PROVIDED = 224 INCHES

SCOTT LENWOOD JERNIGAN ★ LICENSE No. 69170 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

1/6/22

NO.	DATE	DR	REVISION	CHK	APVD	BY	APVD
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25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2622

ELEVATE

THE DAWSON COMPANY
PENSACOLA, FLORIDA

Jacobs

EROSION CONTROL
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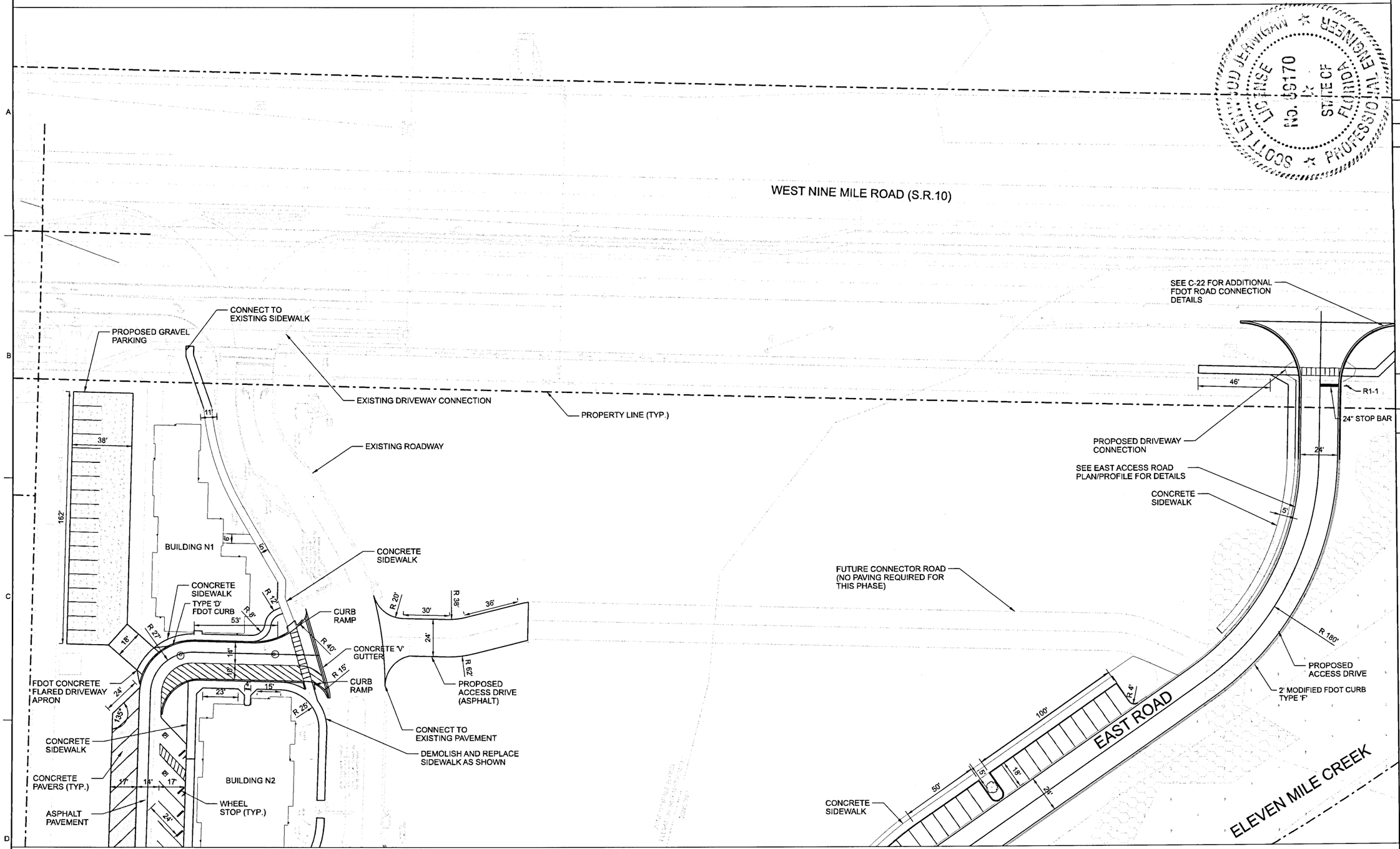

GENERAL NOTES

1. ALL WETLANDS AND WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.
2. ALL HANDICAP SPACES SHALL MEET FDOT PAVEMENT MARKING STANDARDS (STD 711-001).
3. ALL PAVEMENT SHALL BE FULL DEPTH ASPHALT (3212-210).

N

0 30 60 100
1"=30'

SCOTT LEWIS JERNIGAN LICENSE NO. 69170 STATE OF FLORIDA PROFESSIONAL ENGINEER

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CIVIL
SITE LAYOUT AND STAKING PLAN

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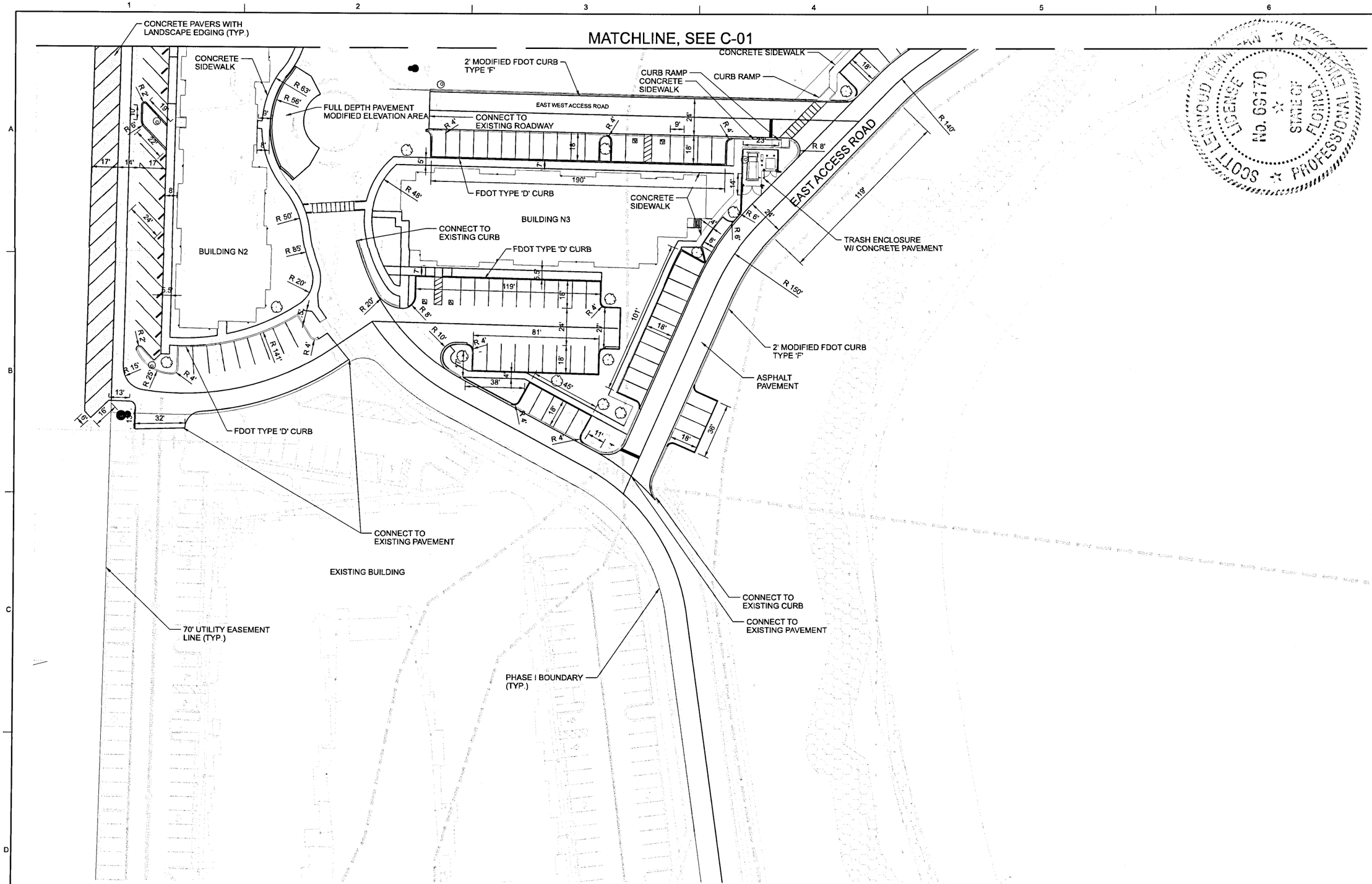

GENERAL NOTES

1. ALL WETLANDS AND WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.
2. UNLESS OTHERWISE NOTED, ALL CURBS SHALL BE FDOT TYPE D RIBBON CURB (STD 520-001).
3. ALL HANDICAP SPACES SHALL MEET FDOT PAVEMENT MARKING STANDARDS (STD 711-001).
4. UNLESS OTHERWISE NOTED, ALL PAVEMENT SHALL BE FULL DEPTH ASPHALT (3212-210).

N

0 30 60 90
1"=30'

SCOTT LEWIS HUNDLEY LICENSE No. 69170 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/6/22

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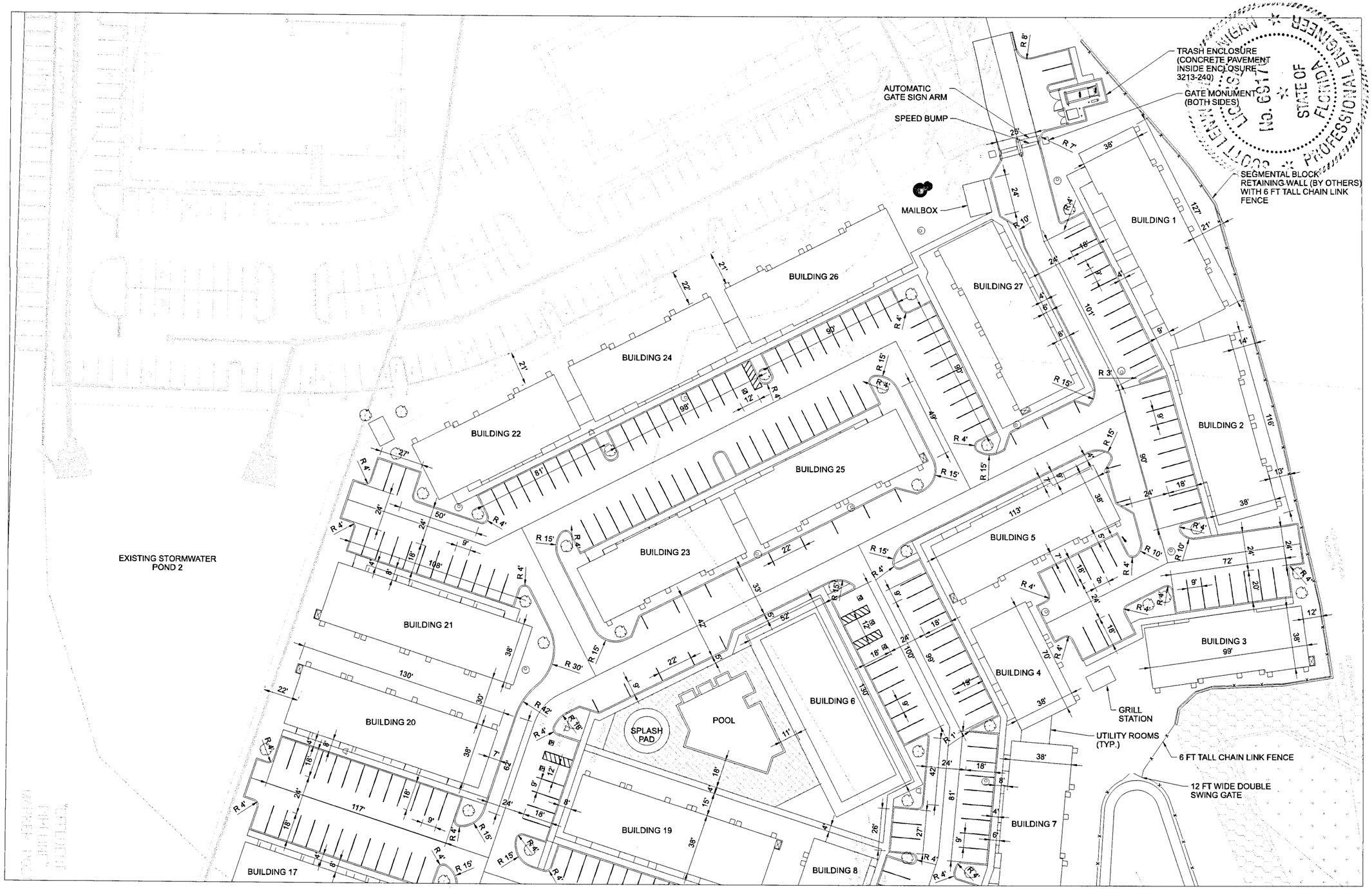

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3. ALL HANDICAP SPACES SHALL MEET FDOT PAVEMENT MARKING STANDARDS (STD 711-001).
4. CONTRACTOR SHALL PROVIDE DESIGN FOR SEGMENTAL BLOCK RETAINING WALL SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA. DESIGN SHALL CONFORM TO NATIONAL CONCRETE MASONRY ASSOCIATION "DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS, LATEST EDITION".
5. ALL PAVEMENT SHALL BE FULL DEPTH ASPHALT (3212-210).

N

0 30 60 90

1"=30'

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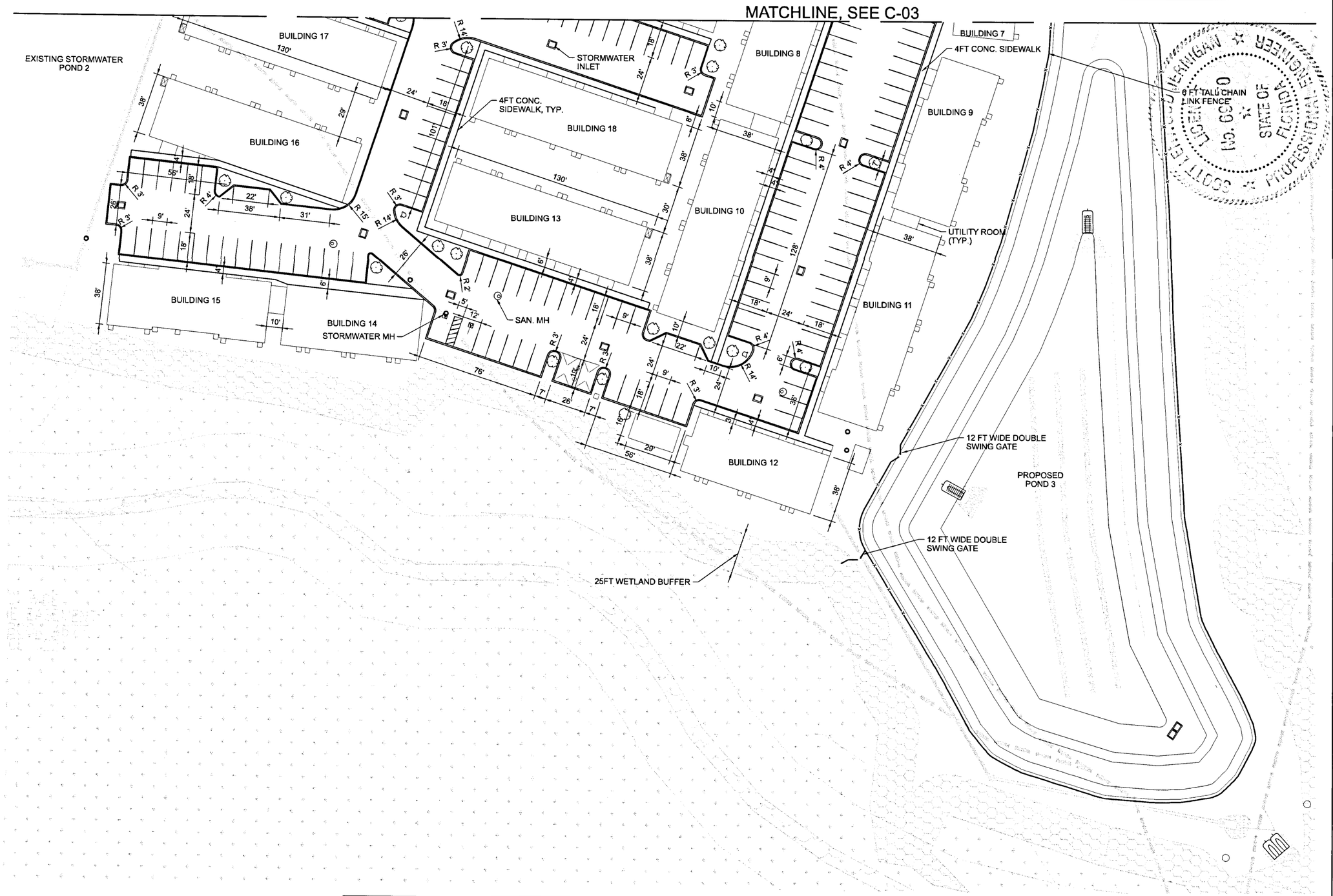

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1"=30'

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Jacobs
25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2822

ELEVATE
THE DAWSON COMPANY
PENSACOLA, FLORIDA

CIVIL
SITE LAYOUT AND STAKING PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

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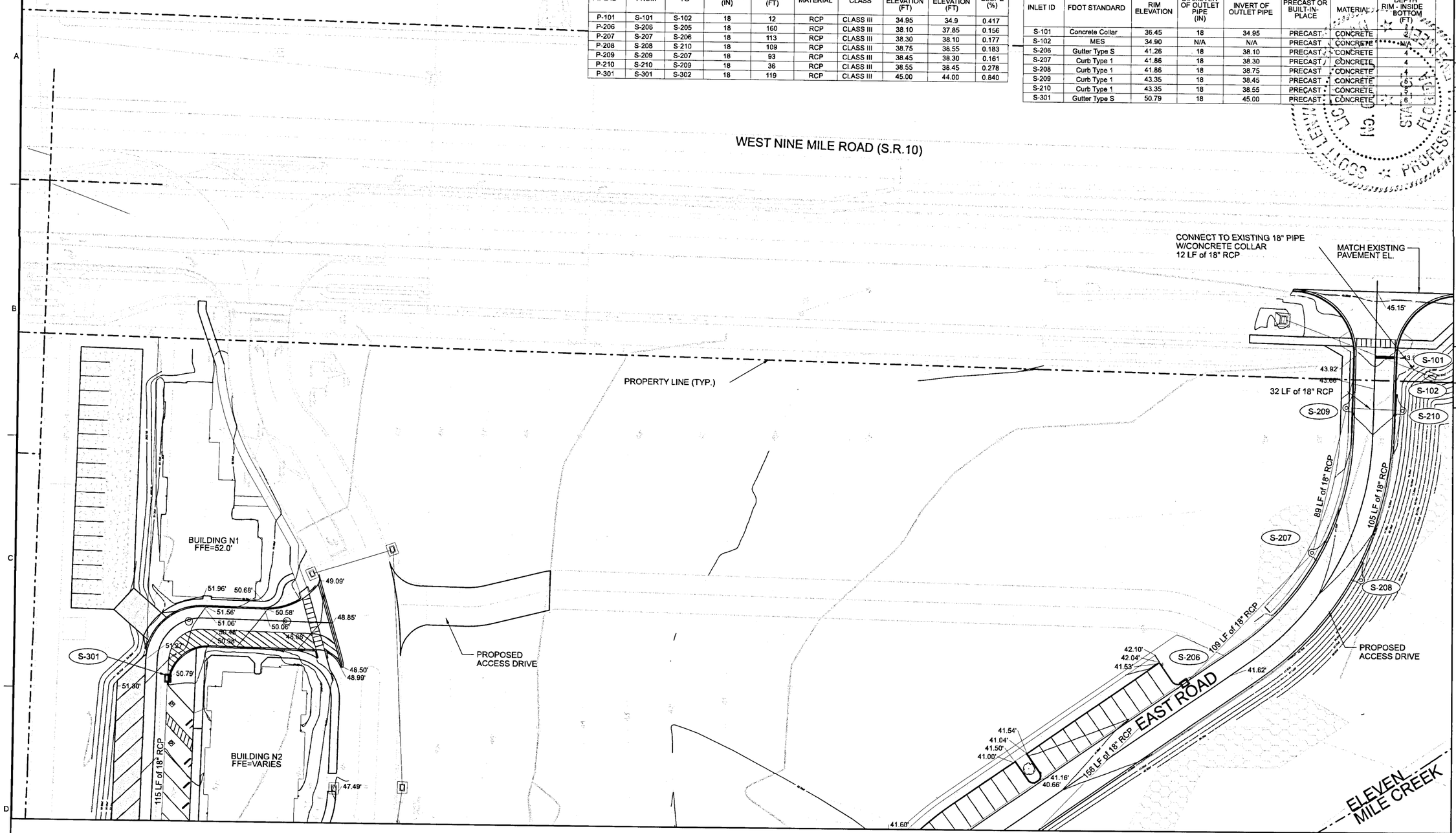
PIPE CHART									
PIPE ID	FROM	TO	DIAMETER (IN)	LENGTH (FT)	MATERIAL	CLASS	INLET ELEVATION (FT)	OUTLET ELEVATION (FT)	SLOPE (%)
P-101	S-101	S-102	18	12	RCP	CLASS III	34.95	34.9	0.417
P-206	S-206	S-205	18	160	RCP	CLASS III	38.10	37.85	0.156
P-207	S-207	S-206	18	113	RCP	CLASS III	38.30	38.10	0.177
P-208	S-208	S-210	18	109	RCP	CLASS III	38.75	38.55	0.183
P-209	S-209	S-207	18	93	RCP	CLASS III	38.45	38.30	0.161
P-210	S-210	S-209	18	36	RCP	CLASS III	38.55	38.45	0.278
P-301	S-301	S-302	18	119	RCP	CLASS III	45.00	44.00	0.840

STRUCTURE CHART							
INLET ID	FDOT STANDARD	RIM ELEVATION	DIAMETER OF OUTLET PIPE (IN)	INVERT OF OUTLET PIPE	PRECAST OR BUILT-IN-PLACE	MATERIAL	DEPTH RIM - INSIDE BOTTOM (FT)
S-101	Concrete Collar	36.45	18	34.95	PRECAST	CONCRETE	2
S-102	MES	34.90	N/A	N/A	PRECAST	CONCRETE	N/A
S-206	Gutter Type S	41.26	18	38.10	PRECAST	CONCRETE	4
S-207	Curb Type 1	41.86	18	38.30	PRECAST	CONCRETE	4
S-208	Curb Type 1	41.86	18	38.75	PRECAST	CONCRETE	4
S-209	Curb Type 1	43.35	18	38.45	PRECAST	CONCRETE	5
S-210	Curb Type 1	43.35	18	38.55	PRECAST	CONCRETE	5
S-301	Gutter Type S	50.79	18	45.00	PRECAST	CONCRETE	6



MATCHLINE, SEE C-06

GENERAL NOTES

1. ALL WETLANDS AND WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.

N

0 30 60 100

1"=30'

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CIVIL
SITE GRADING AND DRAINAGE PLAN

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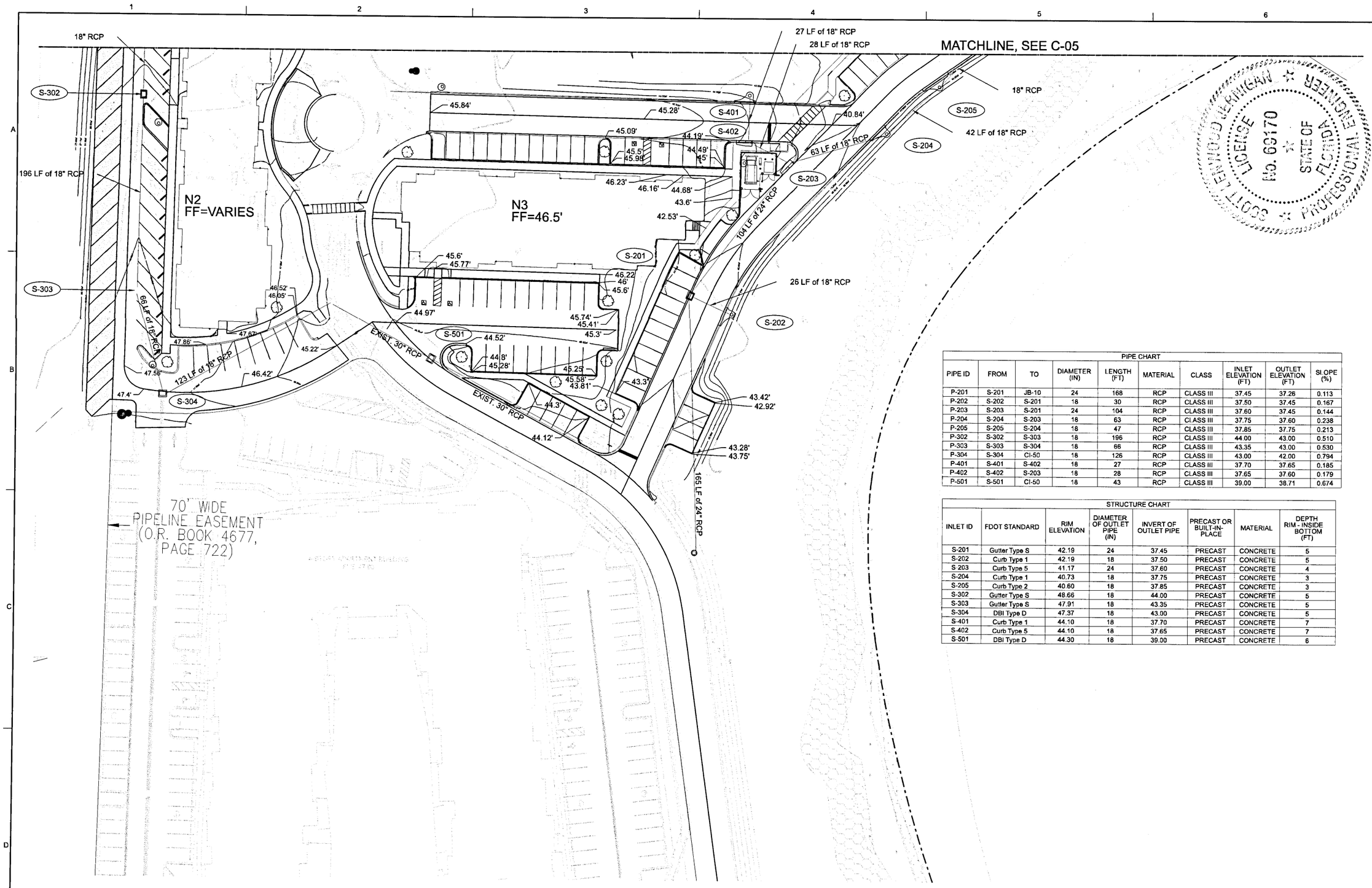

PIPE CHART									
PIPE ID	FROM	TO	DIAMETER (IN)	LENGTH (FT)	MATERIAL	CLASS	INLET ELEVATION (FT)	OUTLET ELEVATION (FT)	SLOPE (%)
P-201	S-201	JB-10	24	168	RCP	CLASS III	37.45	37.26	0.113
P-202	S-202	S-201	18	30	RCP	CLASS III	37.50	37.45	0.167
P-203	S-203	S-201	24	104	RCP	CLASS III	37.60	37.45	0.144
P-204	S-204	S-203	18	63	RCP	CLASS III	37.75	37.60	0.238
P-205	S-205	S-204	18	47	RCP	CLASS III	37.85	37.75	0.213
P-302	S-302	S-303	18	196	RCP	CLASS III	44.00	43.00	0.510
P-303	S-303	S-304	18	66	RCP	CLASS III	43.35	43.00	0.530
P-304	S-304	CI-50	18	126	RCP	CLASS III	43.00	42.00	0.794
P-401	S-401	S-402	18	27	RCP	CLASS III	37.70	37.65	0.185
P-402	S-402	S-203	18	28	RCP	CLASS III	37.65	37.60	0.179
P-501	S-501	CI-50	18	43	RCP	CLASS III	39.00	38.71	0.674

STRUCTURE CHART							
INLET ID	FDOT STANDARD	RIM ELEVATION	DIAMETER OF OUTLET PIPE (IN)	INVERT OF OUTLET PIPE	PRECAST OR BUILT-IN-PLACE	MATERIAL	DEPTH RIM - INSIDE BOTTOM (FT)
S-201	Gutter Type S	42.19	24	37.45	PRECAST	CONCRETE	5
S-202	Curb Type 1	42.19	18	37.50	PRECAST	CONCRETE	5
S-203	Curb Type 5	41.17	24	37.60	PRECAST	CONCRETE	4
S-204	Curb Type 1	40.73	18	37.75	PRECAST	CONCRETE	3
S-205	Curb Type 2	40.60	18	37.85	PRECAST	CONCRETE	3
S-302	Gutter Type S	48.66	18	44.00	PRECAST	CONCRETE	5
S-303	Gutter Type S	47.91	18	43.35	PRECAST	CONCRETE	5
S-304	DBI Type D	47.37	18	43.00	PRECAST	CONCRETE	5
S-401	Curb Type 1	44.10	18	37.70	PRECAST	CONCRETE	7
S-402	Curb Type 5	44.10	18	37.65	PRECAST	CONCRETE	7
S-501	DBI Type D	44.30	18	39.00	PRECAST	CONCRETE	6

GENERAL NOTES

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N

0 30 60 90

1"=30'

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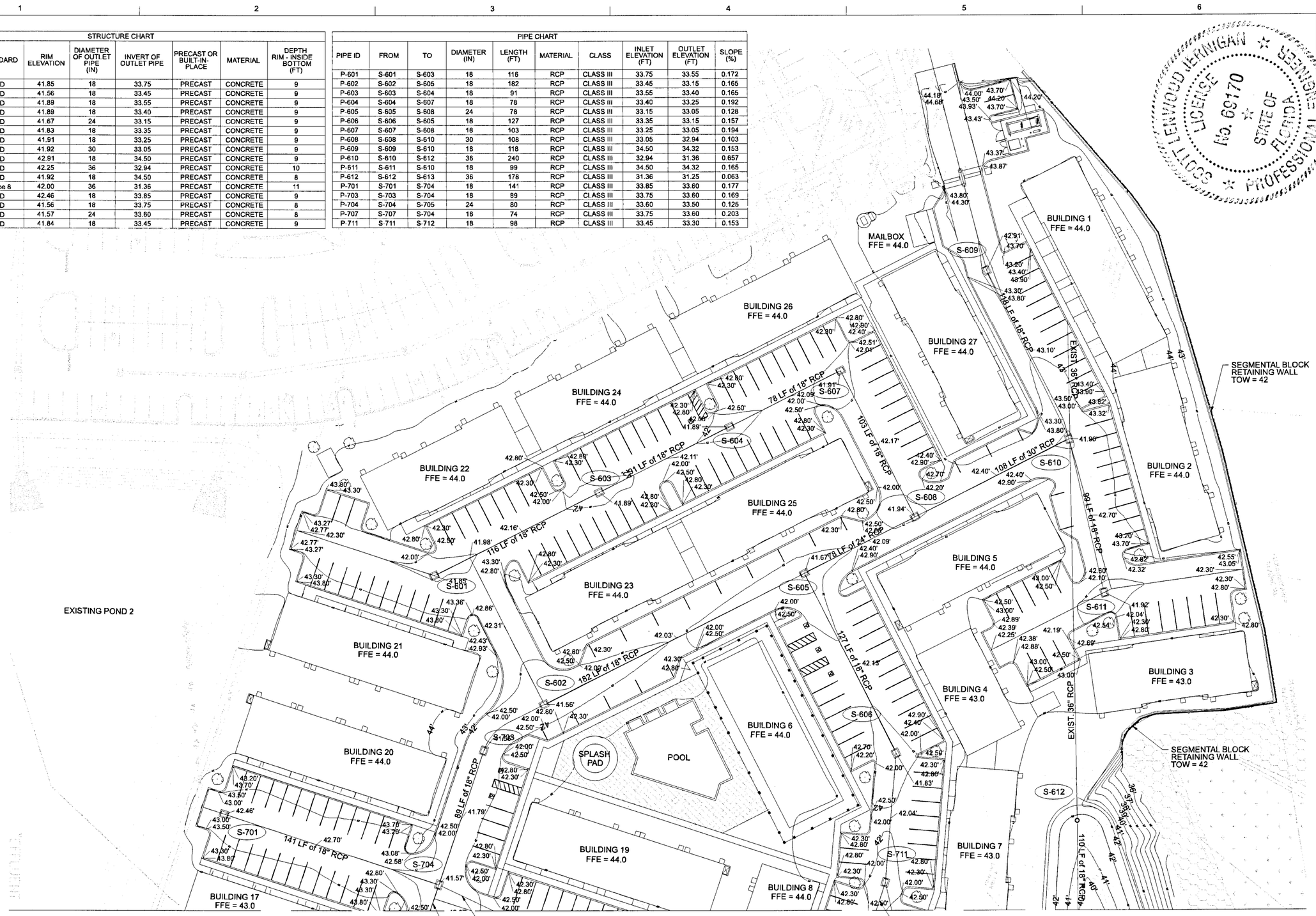
STRUCTURE CHART							
INLET ID	FDOT STANDARD	RIM ELEVATION	DIAMETER OF OUTLET PIPE (IN)	INVERT OF OUTLET PIPE	PRECAST OR BUILT-IN-PLACE	MATERIAL	DEPTH RIM - INSIDE BOTTOM (FT)
S-601	DBI Type D	41.85	18	33.75	PRECAST	CONCRETE	9
S-602	DBI Type D	41.56	18	33.45	PRECAST	CONCRETE	9
S-603	DBI Type D	41.89	18	33.55	PRECAST	CONCRETE	9
S-604	DBI Type D	41.89	18	33.40	PRECAST	CONCRETE	9
S-605	DBI Type D	41.67	24	33.15	PRECAST	CONCRETE	9
S-606	DBI Type D	41.83	18	33.35	PRECAST	CONCRETE	9
S-607	DBI Type D	41.91	18	33.25	PRECAST	CONCRETE	9
S-608	DBI Type D	41.92	30	33.05	PRECAST	CONCRETE	9
S-609	DBI Type D	42.91	18	34.50	PRECAST	CONCRETE	9
S-610	DBI Type D	42.25	36	32.94	PRECAST	CONCRETE	10
S-611	DBI Type D	41.92	18	34.50	PRECAST	CONCRETE	8
S-612	Manhole Type 8	42.00	36	31.36	PRECAST	CONCRETE	11
S-701	DBI Type D	42.46	18	33.85	PRECAST	CONCRETE	9
S-703	DBI Type D	41.56	18	33.75	PRECAST	CONCRETE	8
S-704	DBI Type D	41.57	24	33.60	PRECAST	CONCRETE	8
S-711	DBI Type D	41.84	18	33.45	PRECAST	CONCRETE	9

PIPE CHART									
PIPE ID	FROM	TO	DIAMETER (IN)	LENGTH (FT)	MATERIAL	CLASS	INLET ELEVATION (FT)	OUTLET ELEVATION (FT)	SLOPE (%)
P-601	S-601	S-603	18	116	RCP	CLASS III	33.75	33.55	0.172
P-602	S-602	S-605	18	182	RCP	CLASS III	33.45	33.15	0.165
P-603	S-603	S-604	18	91	RCP	CLASS III	33.55	33.40	0.165
P-604	S-604	S-607	18	78	RCP	CLASS III	33.40	33.25	0.192
P-605	S-605	S-608	24	78	RCP	CLASS III	33.15	33.05	0.128
P-606	S-606	S-605	18	127	RCP	CLASS III	33.35	33.15	0.157
P-607	S-607	S-608	18	103	RCP	CLASS III	33.25	33.05	0.194
P-608	S-608	S-610	30	108	RCP	CLASS III	33.05	32.94	0.103
P-609	S-609	S-610	18	118	RCP	CLASS III	34.50	34.32	0.153
P-610	S-610	S-612	36	240	RCP	CLASS III	32.94	31.36	0.657
P-611	S-611	S-610	18	99	RCP	CLASS III	34.50	34.32	0.165
P-612	S-612	S-613	36	178	RCP	CLASS III	31.36	31.25	0.063
P-701	S-701	S-704	18	141	RCP	CLASS III	33.85	33.60	0.177
P-703	S-703	S-704	18	89	RCP	CLASS III	33.75	33.60	0.169
P-704	S-704	S-705	24	80	RCP	CLASS III	33.60	33.50	0.125
P-707	S-707	S-704	18	74	RCP	CLASS III	33.75	33.60	0.203
P-711	S-711	S-712	18	98	RCP	CLASS III	33.45	33.30	0.153



GENERAL NOTES

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SCOTT LENWOOD JERNIGAN
LICENSE No. 69170
STATE OF FLORIDA
PROFESSIONAL ENGINEER

1/6/22

NO.	DATE	REVISION	BY	APVD

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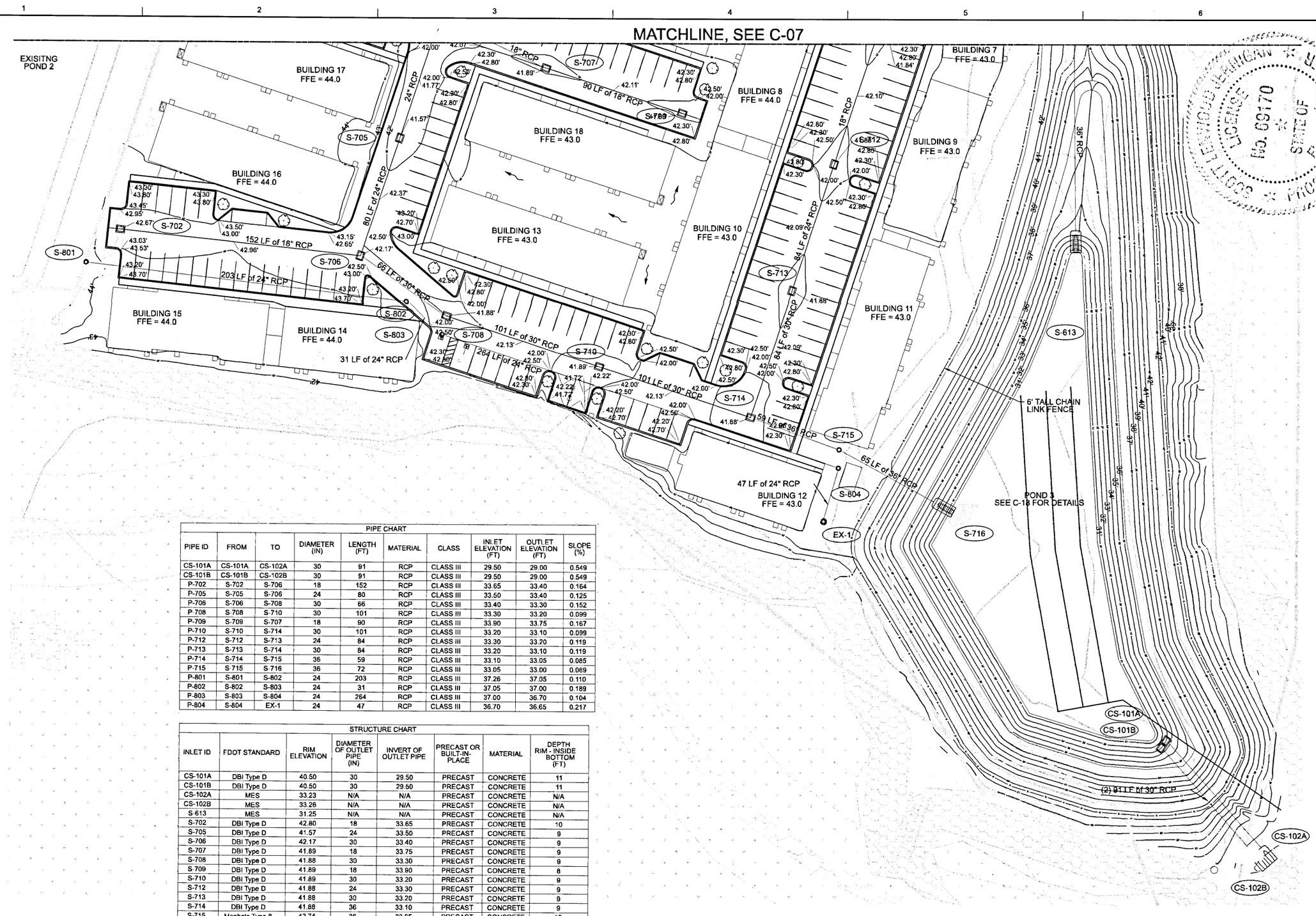

PIPE CHART									
PIPE ID	FROM	TO	DIAMETER (IN)	LENGTH (FT)	MATERIAL	CLASS	INLET ELEVATION (FT)	OUTLET ELEVATION (FT)	SLOPE (%)
CS-101A	CS-101A	CS-102A	30	91	RCP	CLASS III	29.50	29.00	0.549
CS-101B	CS-101B	CS-102B	30	91	RCP	CLASS III	29.50	29.00	0.549
P-702	S-702	S-706	18	152	RCP	CLASS III	33.65	33.40	0.164
P-705	S-705	S-706	24	80	RCP	CLASS III	33.50	33.40	0.125
P-706	S-706	S-708	30	66	RCP	CLASS III	33.40	33.30	0.152
P-708	S-708	S-710	30	101	RCP	CLASS III	33.30	33.20	0.099
P-709	S-709	S-707	18	90	RCP	CLASS III	33.90	33.75	0.167
P-710	S-710	S-714	30	101	RCP	CLASS III	33.20	33.10	0.099
P-712	S-712	S-713	24	84	RCP	CLASS III	33.30	33.20	0.119
P-713	S-713	S-714	30	84	RCP	CLASS III	33.20	33.10	0.119
P-714	S-714	S-715	36	59	RCP	CLASS III	33.10	33.05	0.085
P-715	S-715	S-716	36	72	RCP	CLASS III	33.05	33.00	0.069
P-801	S-801	S-802	24	203	RCP	CLASS III	37.26	37.05	0.110
P-802	S-802	S-803	24	31	RCP	CLASS III	37.05	37.00	0.189
P-803	S-803	S-804	24	264	RCP	CLASS III	37.00	36.70	0.104
P-804	S-804	EX-1	24	47	RCP	CLASS III	36.70	36.65	0.217

STRUCTURE CHART							
INLET ID	FDOT STANDARD	RIM ELEVATION	DIAMETER OF OUTLET PIPE (IN)	INVERT OF OUTLET PIPE	PRECAST OR BUILT-IN-PLACE	MATERIAL	DEPTH RIM - INSIDE BOTTOM (FT)
CS-101A	DBI Type D	40.50	30	29.50	PRECAST	CONCRETE	11
CS-101B	DBI Type D	40.50	30	29.50	PRECAST	CONCRETE	11
CS-102A	MES	33.23	N/A	N/A	PRECAST	CONCRETE	N/A
CS-102B	MES	33.26	N/A	N/A	PRECAST	CONCRETE	N/A
S-613	MES	31.25	N/A	N/A	PRECAST	CONCRETE	N/A
S-702	DBI Type D	42.80	18	33.65	PRECAST	CONCRETE	10
S-705	DBI Type D	41.57	24	33.50	PRECAST	CONCRETE	9
S-706	DBI Type D	42.17	30	33.40	PRECAST	CONCRETE	9
S-707	DBI Type D	41.89	18	33.75	PRECAST	CONCRETE	9
S-708	DBI Type D	41.88	30	33.30	PRECAST	CONCRETE	9
S-709	DBI Type D	41.89	18	33.90	PRECAST	CONCRETE	8
S-710	DBI Type D	41.89	30	33.20	PRECAST	CONCRETE	9
S-712	DBI Type D	41.88	24	33.30	PRECAST	CONCRETE	9
S-713	DBI Type D	41.88	30	33.20	PRECAST	CONCRETE	9
S-714	DBI Type D	41.88	36	33.10	PRECAST	CONCRETE	9
S-715	Manhole Type 8	42.74	36	33.05	PRECAST	CONCRETE	10
S-716	MES	33.05	N/A	N/A	PRECAST	CONCRETE	N/A
S-801	DBI Type D	45.16	24	37.26	PRECAST	CONCRETE	8
S-802	DBI Type D	42.88	24	37.05	PRECAST	CONCRETE	6
S-803	DBI Type D	42.19	24	37.00	PRECAST	CONCRETE	6
S-804	DBI Type D	42.82	24	36.70	PRECAST	CONCRETE	7

GENERAL NOTES

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N

0 30 60 90
1"=30'

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SITE GRADING AND DRAINAGE PLAN

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EXISTING STORM SEWER

EXISTING WATERLINE

WEST NINE MILE ROAD (S.R.10)

WATER METER

WATER VALVE

DRY WELL

BACKFLOW PREVERTER

EXISTING 8" WATER MAIN

EXISTING 4" SS FORCE MAIN

PROPERTY LINE (TYP.)

MYSLAK WAY

CONNECT TO EXISTING 8" WATERMAIN

BUILDING N1

PROPOSED SAN MH 13
TOP MANHOLE RIM ELEV.: 49.56'
INVERT:35.75'
8" SAN LINE W INVERT: 37.02'

CONNECT TO EXISTING 8" WATERMAIN FOR BUILDING SERVICE LINE

8" SAN 56.63'
0.50% SLOPE

PROPOSED 6" WATER MAIN

PROPOSED ACCESS DRIVE

PROPOSED ACCESS DRIVE

PROPOSED SAN MH 14
TOP MANHOLE RIM ELEV.: 51.12'
INVERT:35.75'
8" SAN LINE E INVERT: 36.78'
8" SAN LINE S INVERT: 36.68'

PROPOSED FIRE HYDRANT

8" SAN 168.34' 0.50% SLOPE

BUILDING N2

ELEVEN MILE CREEK

MATCHLINE SEE SHEET C-10

N

0 30 60 100
1"=30'

SCOTT LENWOOD JERNIGAN
LICENSE No. 69170
STATE OF FLORIDA
PROFESSIONAL ENGINEER

1/6/22

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MATCHLINE SEE SHEET C-09

PROPOSED NORTH LIFT STATION 2
TOP ELEV.: 46.02'
8" SAN LINE SE INVERT: 36.75'
INVERT: 28.71
SEE SHT C-16

6X6 TEE AND VALVE
FOR BUILDING SERVICE

PROPOSED
6" WATER MAIN

PROPOSE
ACCESS
DRIVE

PROPOSED SAN MH 18
TOP MANHOLE RIM ELEV.: 41.94'
INVERT:38.75
8" SAN LINE NW INVERT: 39.50'

8" SAN 168.34'
0.50% SLOPE

8" SAN 154.11'
0.50% SLOPE

BUILDING N2

8X6 TAPPING
SLEEVE AND VALVE
FOR BUILDING SERVICE

8" SAN 15.76'
0.50% SLOPE

8" SAN 198.79' 0.50% SLOPE

PROPOSED SAN MH 15
TOP MANHOLE RIM
ELEV.: 48.52'
INVERT:35.50'
8" SAN LINE N
INVERT: 35.98'
8" SAN LINE S
INVERT: 35.88'

PROPOSED SAN MH 17
TOP MANHOLE RIM ELEV.: 45.61'
INVERT:38.75
8" SAN LINE NW INVERT: 39.10'
8" SAN LINE SE INVERT: 39.20'

PROPOSED FIRE HYDRANT

BUILDING N3

CONNECT TO
EXISTING
FORCEMAIN

8X6 TAPPING
SLEEVE
AND VALVE

8X6 TAPPING
SLEEVE AND VALVE
FOR BUILDING SERVICE

PROPOSED FIRE HYDRANT

8" SAN 34.12'
0.50% SLOPE

PROPOSED SAN MH 16
TOP MANHOLE RIM ELEV.: 47.37'
INVERT:34.75'
8" SAN LINE N INVERT: 35.24'
8" SAN LINE S INVERT: 35.14'

JB-10
TOP ELEV.: 44.60
INVERT: 37.26 (P-90;NW)
INVERT: 37.26 (P-100;S)

PROPOSED NORTH LIFT STATION 1
TOP ELEV.: 48.01'
8" SAN LINE SE INVERT: 34.75'
INVERT: 29.21
SEE SHT C-15

CI-80
EOP ELEV.: 43.96
TOP ELEV.: 43.38
THROAT ELEV.: 43.55
INVERT: 36.77 (P-120;S)
INVERT: 36.77 (P-110;W)
INVERT: 36.77 (P-100;N)

CI-90
EOP ELEV.: 43.96
TOP ELEV.: 43.38
THROAT ELEV.: 43.55
INVERT: 40.10 (P-110;E)

EXISTING SS FM

N

0 30 60 90
1"=30'

SCOTT LENWOOD HERRIGAN
LICENSE
No. 69170
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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0 1"

DATE	JANUARY 2022
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DWG	C-10
SHEET	of

CONNECT TO EXISTING FORCEMAIN

CONNECT TO EXISTING WATER

EXISTING FIRE HYDRANT

8" SAN 18.46' 0.50% SLOPE

PROPOSED SOUTH LIFTSTATION
TOP ELEV.: 44.08'
8" SAN LINE SW INVERT: 34.30'
INVERT: 27.00'
SEE SHT C-17

PROPOSED SAN MH 4
TOP MANHOLE RIM ELEV.: 44.50'
INVERT:32.04'
8" SAN LINE NE INVERT: 32.04'
8" SAN LINE SE INVERT: 34.63'

CONNECT TO EXISTING WATER

PROPOSED SAN MH 19
TOP MANHOLE RIM ELEV.: 42.62'
INVERT:38.75'
8" SAN LINE SE INVERT: 38.75'

PROPOSED SAN MH 10
TOP MANHOLE RIM ELEV.: 42.96'
INVERT:38.75'
8" SAN LINE NW INVERT: 38.75'
8" SAN LINE SE INVERT: 38.75'
8" SAN LINE SW INVERT: 38.75'

PROPOSED SAN MH 9
TOP MANHOLE RIM ELEV.: 44.28'
INVERT:36.00'
8" SAN LINE NW INVERT: 37.50'
8" SAN LINE SE INVERT: 37.40

PROPOSED FIRE HYDRANT

8" SAN 129.54' 0.50% SLOPE

8" SAN 120.14' 0.50% SLOPE

8" SAN 68.15' 0.50% SLOPE

PROPOSED SAN MH 20
TOP MANHOLE RIM ELEV.: 43.34'
INVERT:34.69'
8" SAN LINE NW INVERT :34.69
8" SAN LINE NE INVERT: 34.69'
8" SAN LINE SE INVERT: 34.79'

8" SAN 151.29' 0.50% SLOPE

8" SAN 102.95' 0.50% SLOPE

8" SAN 110.58' 0.50% SLOPE

8" SAN 111.77' 0.50% SLOPE

PROPOSED FIRE HYDRANT

PROPOSED SAN MH 1
TOP MANHOLE RIM ELEV.: 44.55'
INVERT:36.34'
8" SAN LINE NE INVERT: 38.27'
8" SAN LINE SW INVERT: 38.37'

8" SAN 60.09' 0.50% SLOPE

PROPOSED SAN MH 3
TOP MANHOLE RIM ELEV.: 43.41'
INVERT:34.90'
8" SAN LINE NW INVERT: 35.65'
8" SAN LINE NE INVERT: 35.50'
8" SAN LINE SE INVERT: 36.44'

PROPOSED SAN MH 21
TOP MANHOLE RIM ELEV.: 41.97'
INVERT:38.75'
8" SAN LINE NW INVERT: 38.75'

8" SAN 82.92' 0.50% SLOPE

8" SAN 156.15' 0.50% SLOPE

8" SAN 185.00' 0.50% SLOPE

PROPOSED SAN MH 22
TOP MANHOLE RIM ELEV.: 41.84'
INVERT:38.75'
8" SAN LINE NW INVERT: 38.75'

PROPOSED SAN MH 2
TOP MANHOLE RIM ELEV.: 44.42'
INVERT:36.50'
8" SAN LINE NE INVERT: 37.75'
8" SAN LINE SW INVERT: 37.85'

PROPOSED FIRE HYDRANT

PROPOSED SAN MH 11
TOP MANHOLE RIM ELEV.: 43.15'
INVERT:34.50'
8" SAN LINE NW INVERT: 35.65'
8" SAN LINE NE INVERT: 35.55'
8" SAN LINE SE INVERT: 36.44'

8" SAN 283.45' 0.50% SLOPE

PROPOSED FIRE HYDRANT

PROPOSED SAN MH 5
TOP MANHOLE RIM ELEV.: 42.95'
INVERT:37.00'
8" SAN LINE NW INVERT: 37.38'
8" SAN LINE SW INVERT: 37.48'

8" SAN 305.43' 0.50% SLOPE

PROPOSED FIRE HYDRANT

MATCHLINE SEE SHEET C-12

N

0 30 60 90
1"=30'

NO.	DATE	REVISION	BY	APVD

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DR N MEADE
CHK
APVD

25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2822

ELEVATE

THE DAWSON COMPANY
PENSACOLA, FLORIDA

Jacobs

CIVIL
UTILITY SITE PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JANUARY 2022
PROJ	D3530400
DWG	C-11
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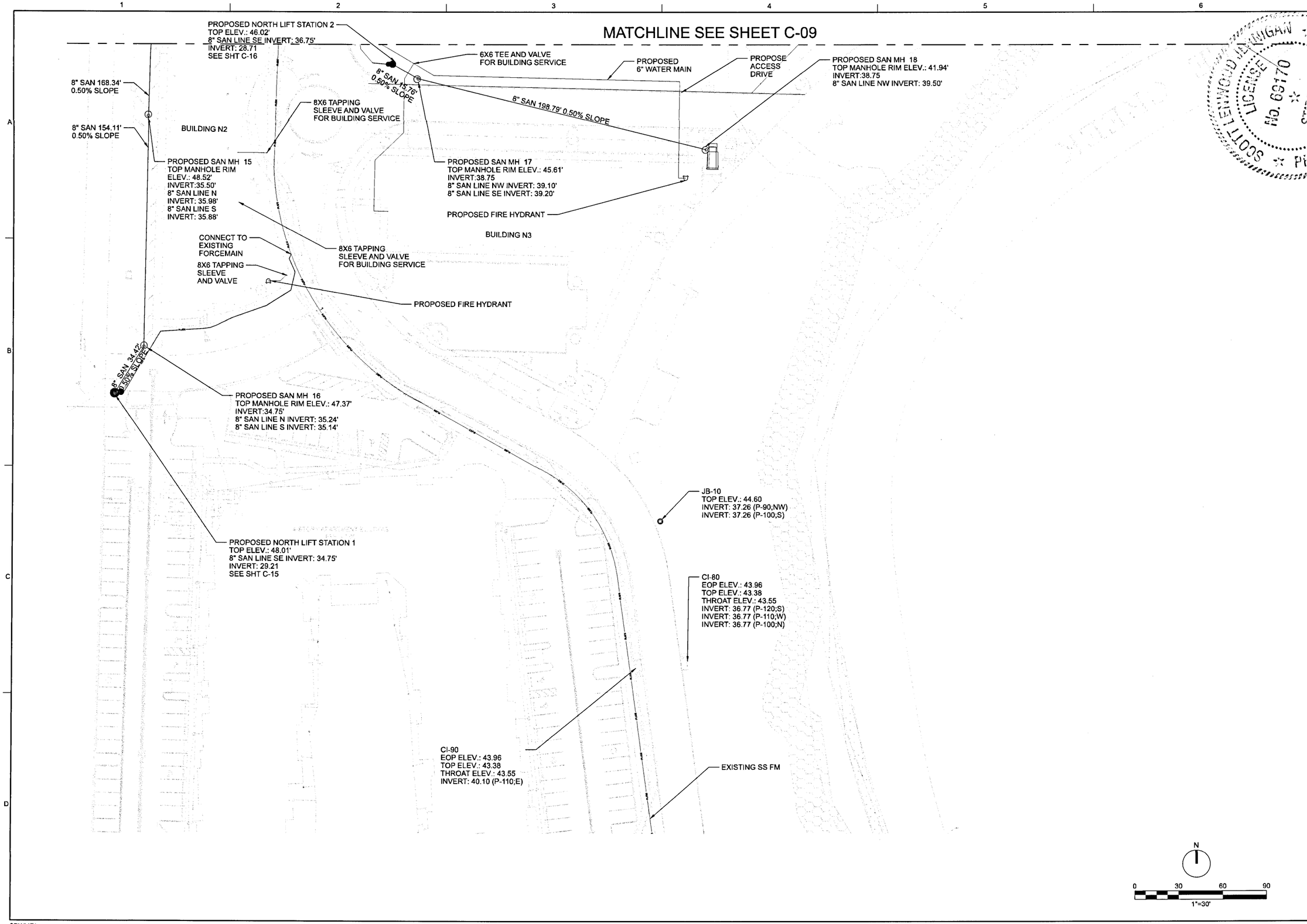

NO	DATE	REVISION	BY	APVD

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PENSACOLA, FLORIDA 32502
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PENSACOLA, FLORIDA

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MATCHLINE SEE SHEET C-11

8" SAN 283.45' 0.50% SLOPE

PROPOSED SAN MH 6
TOP MANHOLE RIM ELEV.: 44.51'
INVERT:39.00'
8" SAN LINE NE INVERT: 39.50'

PROPOSED FIRE HYDRANT

PROPOSED SAN MH 8
TOP MANHOLE RIM ELEV.: 42.84'
INVERT:39.00'
8" SAN LINE SE INVERT: 40.00'

8" SAN 305.43' 0.50% SLOPE

STORM DRAIN MANHOLE #20768
TOP RIM ELEV.: 45.16'
24" CPP W. INVERT ELEV.: 37.26'
24" CPP N. INVERT ELEV.: 37.26'
24" CPP E. INVERT ELEV.: 37.26'

8" SAN 181.97' 0.50% SLOPE

PROPOSED FIRE HYDRANT

STORM DRAIN STRUCTURE #21967
TOP ELEV.: 42.58'
24" CPP E. INVERT ELEV.: 37.35'

PROPOSED HOSE
BIB FOR CAR WASH

PROPOSED SAN MH 7
TOP MANHOLE RIM ELEV.: 42.41'
INVERT:38.50'
8" SAN LINE NW INVERT: 39.10'
8" SAN LINE NE INVERT: 39.00'
N: 567251.04 E: 1072855.69

N

0 30 60 90
1"=30'

NO.	DATE	REVISION	BY	APVD

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CIVIL
UTILITY SITE PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JANUARY 2022
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DWG	C-12
SHEET	of

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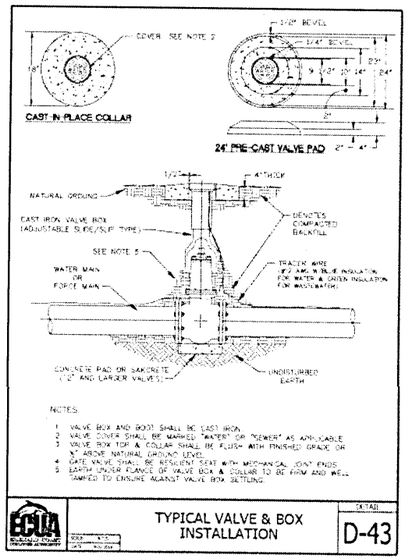
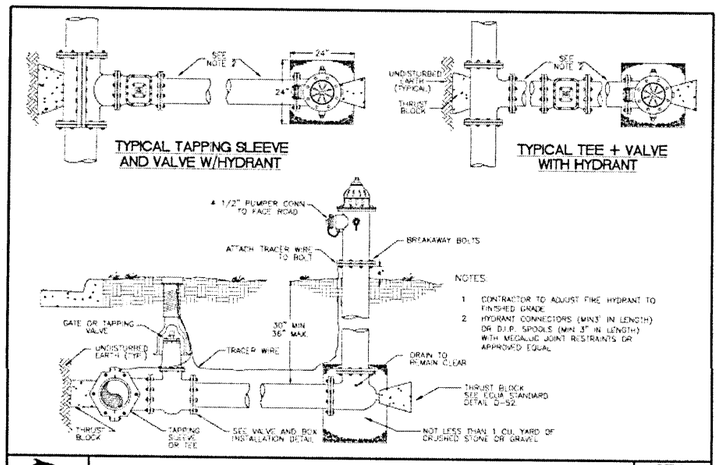
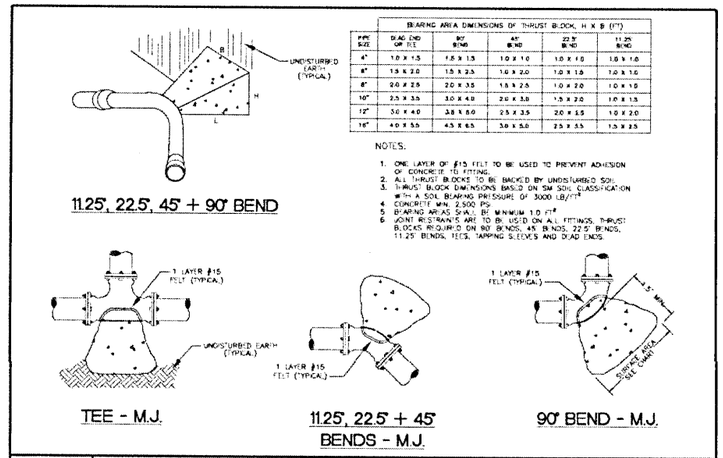


TYPICAL VALVE & BOX INSTALLATION — DETAIL D-43



TYPICAL FIRE HYDRANT INSTALLATION — DETAIL D-50

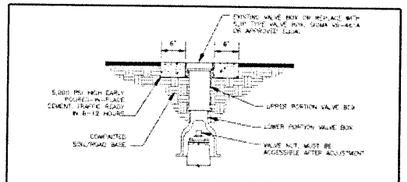


BEARING AREA DIMENSIONS OF THRUST BLOCK, H X B (FT)

PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4"	1.0 X 1.5	1.5 X 1.5	1.0 X 1.0	1.0 X 1.0	1.0 X 1.0
6"	1.5 X 2.0	1.5 X 2.5	1.0 X 2.0	1.0 X 1.5	1.0 X 1.0
8"	2.0 X 2.5	2.0 X 3.5	1.5 X 2.5	1.0 X 2.0	1.0 X 1.0
10"	2.5 X 3.5	3.0 X 4.0	2.0 X 3.5	1.5 X 2.0	1.0 X 1.5
12"	3.0 X 4.0	3.5 X 5.0	2.5 X 3.5	2.0 X 3.5	1.0 X 2.0
16"	4.0 X 5.5	4.5 X 6.5	3.0 X 5.0	2.5 X 3.5	1.5 X 2.5

NOTES:
1. ONE LAYER OF #15 FELT TO BE USED TO PREVENT ADHESION OF CONCRETE TO FITTING.
2. ALL THRUST BLOCKS TO BE BACKED BY UNDISTURBED SOIL.
3. THRUST BLOCK DIMENSIONS BASED ON SM SOIL CLASSIFICATION WITH A SOIL BEARING PRESSURE OF 3000 LB/FT².
4. CONCRETE MIN. 2,500 PSI.
5. BEARING AREAS SHALL BE MINIMUM 1.0 FT².
6. JOINT RESTRAINTS ARE TO BE USED ON ALL FITTINGS. THRUST BLOCKS REQUIRED ON 90° BENDS, 45° BENDS, 22.5° BENDS, 11.25° BENDS, TEES, TAPPING SLEEVES AND DEAD ENDS.

TYPICAL THRUST BLOCK INSTALLATION — DETAIL D-52



VALVE BOX (VB) ADJUSTMENT PROCEDURES

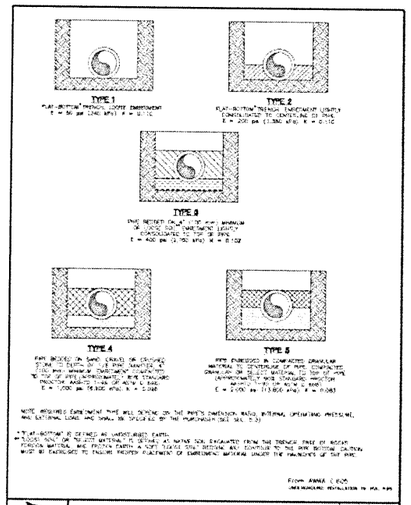
Pre-milling coordination: Contractor shall contact ECUA's Manhole Coordinator, Mr. Eddie Carter (see D-43 ECUA Regional Services Map) at least 2 weeks prior to milling operations to coordinate location of VBs requiring adjustment (visible VBs and those under asphalt). ECUA will then make decision to either allow adjustment of existing VBs or to supply new VBs to contractor (at ECUA expense).

Pre-milling procedure: Contractor shall make a list of all VB locations (station and offset or GPS coordinates to sub-meter accuracy) and submit list to ECUA's Manhole Coordinator. If upper portion of VB is removable, then Contractor can remove upper portion of VB and install minimum ¼" thick steel plate (or thicker if needed) over lower portion of VB at a depth to avoid milling operations. If upper portion of VB is not removable, then entire VB shall be removed and new lower portion of VB shall be installed prior to plating. Contractor shall coordinate with ECUA's Manhole Coordinator on the supply of new valve boxes as needed. Contractor shall paint solid blue circle, one foot in diameter, directly over plated valve onto milled asphalt surfaces and leveling course surfaces and shall maintain painted mark for the duration of the project. Due to ECUA emergency access needs, VBs shall not be plated more than 1 month, with 2 weeks or less being preferred.

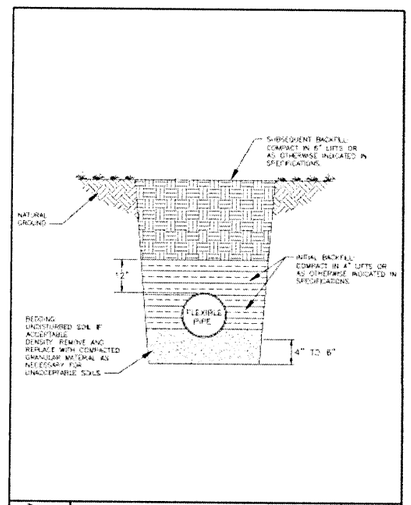
Post-resurfacing procedure: Contractor shall determine location of VBs using list created in pre-milling stage and shall remove circular area of asphalt approximately 18" in diameter (equal to typical 6" tall and 12" wide concrete collar), centered over VB. Remove plate. Align lower portion of VB to be centered over valve nut and remove all material from VB to make nut free and clear from obstructions. For minor changes in grade, adjust upper portion of VB to match finished grade. Request from ECUA's Manhole Coordinator either extra long lower sections or extra lower sections for deeper than normal installations (PVC pipe will not be allowed). VB and lid shall be set so that elevation and slope of lid matches finished road surface. Pour 5,000 psi concrete around VB to form 8" wide concrete collar that matches elevation and slope of finished road surface.

Post-resurfacing coordination: Roadway Inspector shall confirm all VBs have been adjusted and done so according to this detail. Contractor shall then contact ECUA's Manhole Coordinator for final ECUA inspection. VBs not meeting this detail, with valve nuts not accessible due to poor alignment of valve box or construction debris/dirt in bottom of VB, or not matching roadway elevation and slope, will be corrected as required prior to payment. Contractor shall provide 2 years warranty (1 year if performed on FDOT project) beginning on ECUA's date of acceptance.

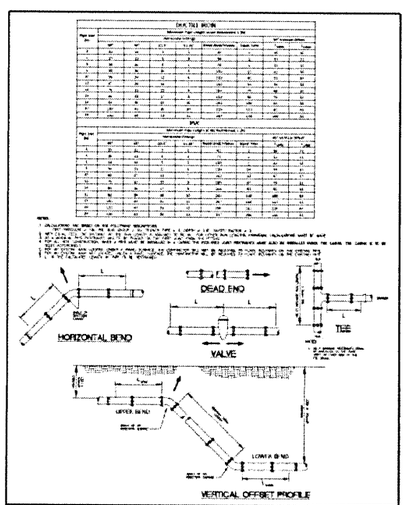
VALVE BOX ADJUSTMENT — DETAIL D-59



PIPE ENVELOPE REQUIREMENTS — DETAIL D-60



FLEXIBLE PIPE BEDDING — DETAIL D-61



PIPE JOINT RESTRAINT TABULATION — DETAIL D-62

STATE OF FLORIDA — SCOTT LEELWOOD JERNIGAN — LICENSE No. 69170 — 11/9/21

NO.	DATE	DR	REVISION	CHK	APVD	BY	APVD
DSGN	N MEADE	N MEADE					

Jacobs
25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2822

ELEVATE
THE DAWSON COMPANY
PENSACOLA, FLORIDA

UTILITY
DETAILS

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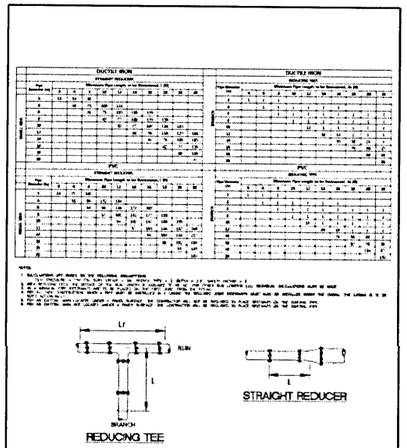

REDUCING TEE

STRAIGHT REDUCER

PIPE JOINT RESTRAINT
REDUCERS & REDUCING TEES

DETAIL D-63

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING • CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN	WATER MAIN; 3 FT. MINIMUM; OTHER PIPE	WATER MAIN; 12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED; OTHER PIPE	ALTERNATE 3 FT. MINIMUM; WATER MAIN
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN	WATER MAIN; 10 FT. PREFERRED 6 FT. MINIMUM (2); OTHER PIPE	WATER MAIN; 12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED; OTHER PIPE	ALTERNATE 6 FT. MINIMUM; WATER MAIN

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) 3 FT. GRAVITY SANITARY SEWER WHEN THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.

NOTES:

A. INFORMATION PROVIDED FROM FDEP RULE 62-555. IF OTHER FDEP RULES CONFLICT, THEN USE THE MOST STRINGENT RULE.
B. IF THERE ARE CONFLICTS IN THE SEPARATION REQUIREMENTS BETWEEN COLLECTION SYSTEMS AND DRINKING WATER FACILITIES ESTABLISHED IN FOOTNOTES (1) AND (2) ABOVE AND THOSE ESTABLISHED IN CHAPTER 62-532 OR 62-555, F.A.C., THEN THE REQUIREMENTS IN CHAPTER 62-532 OR 62-555, F.A.C., SHALL APPLY.

WATER / SEWER
SEPARATION

DETAIL D-64

NO.	DATE	REVISION	BY	APVD

DSGN N MEADE DR N MEADE CHK APVD

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PENSACOLA, FLORIDA 32502
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PENSACOLA, FLORIDA

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UTILITY
DETAILS

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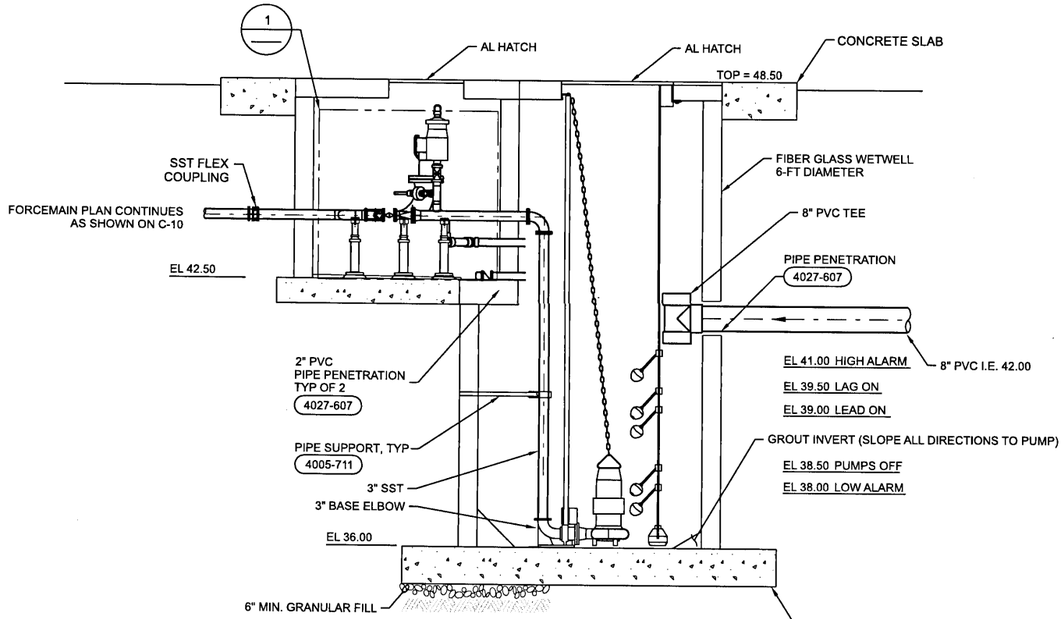


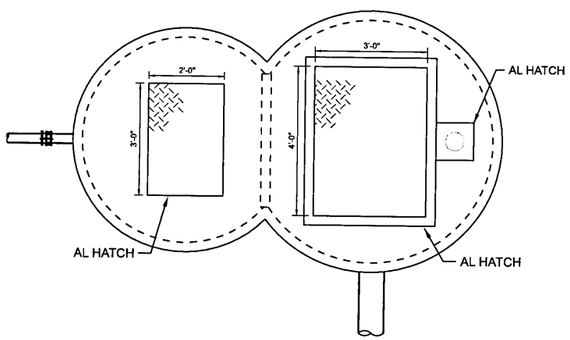
A SECTION
1"=2'-0"

LS PUMP DATA

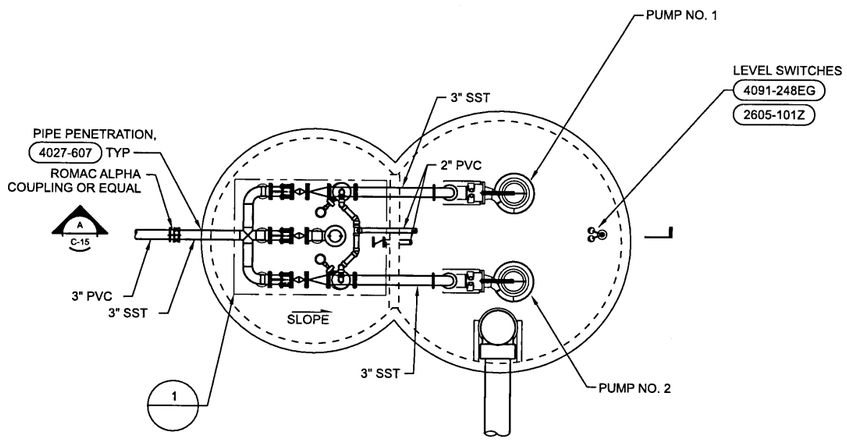
NO. OF UNITS	69
FLOW PER UNIT	300
ADF (GPD)	20700
PHF (GPM)	57.5
MANUFACTURER	
PUMP TYPE	NON-CLOG SUBMERSIBLE
CAPACITY (GPM/TDH)	58/37'
HP / RPM	
VOLT / PHASE	
DISCHARGE PIPE SIZE	3"

GENERAL NOTES

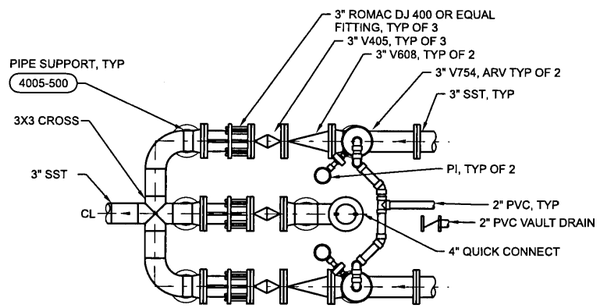
1. FIBER GLASS LIFT STATION DESIGNED BY FIBER GLASS MANUFACTURER. ALL PROVIDE JOINTS SHALL BE WATER TIGHT. DESIGN SURCHARGE LOAD IS HS-20.
2. SEE DWG G-003 FOR CODE AND OTHER DETAILS.
3. WALL THICKNESS AND SLAB THICKNESS SHOWN IS MINIMUM REQUIREMENT. MANUFACTURER SHALL DETERMINE IF ACTUAL THICKNESS REQUIRED ARE GREATER THAN THOSE SHOWN HERE.
4. INCLUDE TIDE FLEX CHECK VALVE ON DRAIN DISCHARGE FROM VALVE VAULT.
5. PRESSURE GAUGE TO BE AN ASHCROFT UTILITY SERIES 1000 RANGE OF 0-30PSI.
6. HATCHES SHALL BE DOUBLE LEAF-SPRING TYPE WITH SAFETY GRATE AS PER SPECIFICATION 05 50 00B.
7. CONTACTOR SHALL PROVIDE BOYANCY CALCULATIONS FOR NEW WETWELL AND VALVE VAULT.
8. CONTRACTOR SHALL DEVELOP AN EXCAVATION SUPPORT PLAN. THE SUPPORT PLAN SHALL DETAIL SHORING, BRACING, SLOPING, AND OTHER PROVISIONS FOR PROTECTION FROM HAZARDS OF CAVING GROUND. THE REPORT SHALL INCLUDE DESIGN ASSUMPTIONS, CALCULATIONS, METHODS OF SUPPORT, AND LOCATIONS FOR STOCKPILED MATERIAL. IF CONTRACTOR ELECTS TO USE SHEET PILES, HE SHALL PROVIDE CALCULATIONS AND DRAWINGS FOR THE SHORING SYSTEM THAT HAS BEEN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. EXCAVATION SUPPORT SHALL BE CAREFULLY REMOVED TO AVOID DAMAGE TO NEW STRUCTURES AND ADJACENT FACILITIES AND DOES NOT LEAVE VOIDS IN THE BACKFILL.



TOP PLAN
1"=2'-0"



LOWER PLAN
1"=2'-0"



1 DETAIL

NO.	DATE	BY	REVISION	CHK	APVD

DSGN S TATMAN | DR S TATMAN | CHK S JERNIGAN | APVD

25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2822

ELEVATE
THE DAWSON COMPANY
PENSACOLA, FLORIDA

Jacobs

UTILITY
NORTH PUMP STATION 1

VERIFY SCALE
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0 1"

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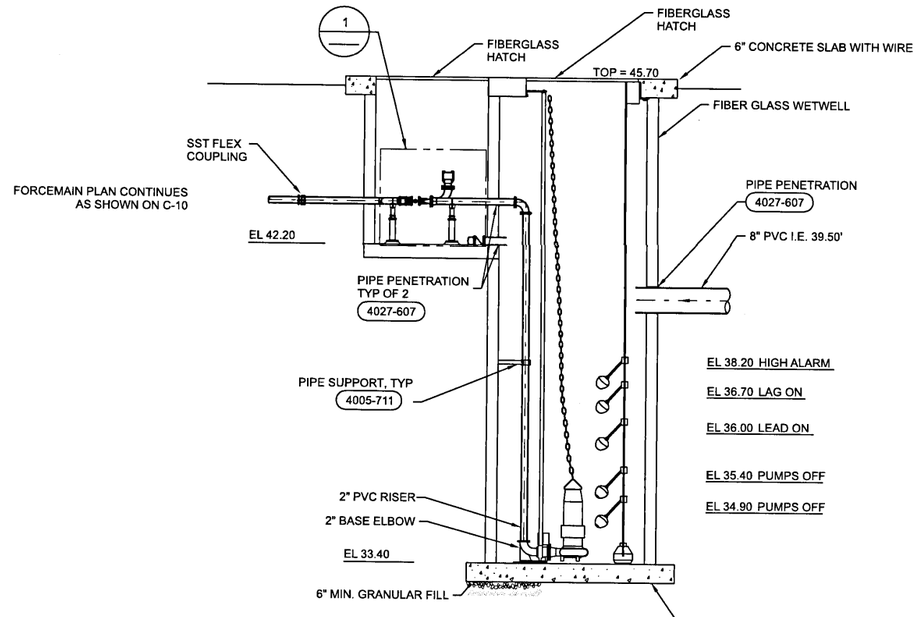

A SECTION
1"=2'-0"

LS PUMP DATA

NO. OF UNITS	39
FLOW PER UNIT	300
ADF (GPD)	11700
PHF (GPM)	32.5
MANUFACTURER	
PUMP TYPE	NON-CLOG SUBMERSIBLE
CAPACITY (GPM/TDH)	32/'
HP / RPM	
VOLT / PHASE	
DISCHARGE PIPE SIZE	2"

GENERAL NOTES

1. FIBER GLASS LIFT STATION DESIGNED BY FIBER GLASS MANUFACTURER. ALL JOINTS SHALL BE WATER TIGHT. DESIGN SURCHARGE LOAD IS HS-20.
2. SEE DWG G-003 FOR CODE AND OTHER DETAILS.
3. WALL THICKNESS AND SLAB THICKNESS SHOWN IS A MINIMUM REQUIREMENT. MANUFACTURER SHALL DETERMINE IF ACTUAL THICKNESS REQUIRED ARE GREATER THAN THOSE SHOWN HERE.
4. INCLUDE TIDE FLEX CHECK VALVE ON DRAIN DISCHARGE FROM VALVE VAULT.
5. HATCHES SHALL BE DOUBLE LEAF-SPRING TYPE WITH SAFETY GRATE AS PER SPECIFICATION 05 50 00B.
6. CONTACTOR SHALL PROVIDE BOYANCY CALCULATIONS FOR NEW WETWELL AND VALVE VAULT.
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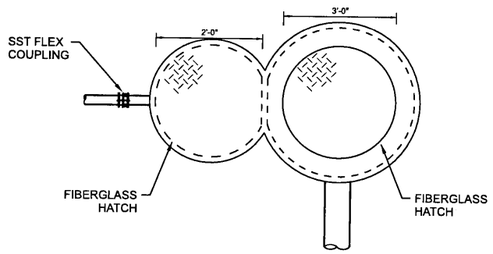
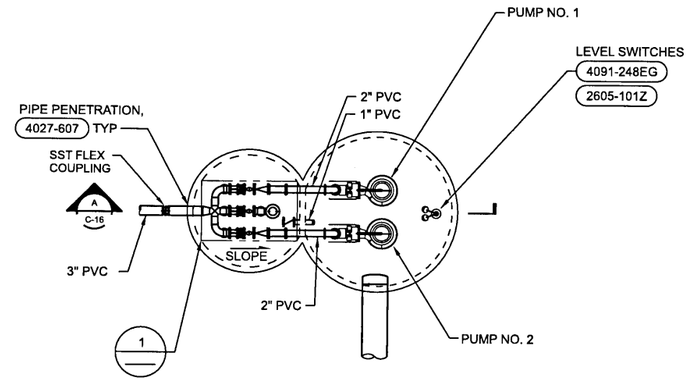
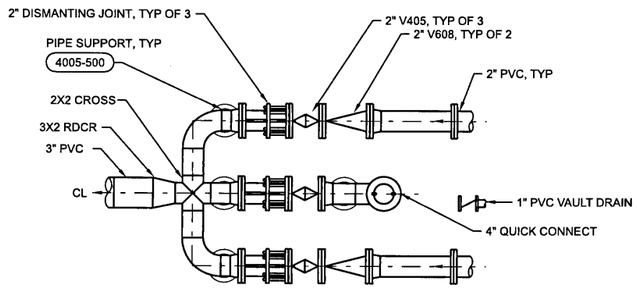


TOP PLAN
1"=2'-0"



LOWER PLAN
1"=2'-0"



1 DETAIL

NO.	DATE	REVISION	BY	APVD

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PENSACOLA, FLORIDA 32502
ER2822

ELEVATE
THE DAWSON COMPANY
PENSACOLA, FLORIDA

Jacobs

UTILITY
NORTH PUMP STATION 2

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

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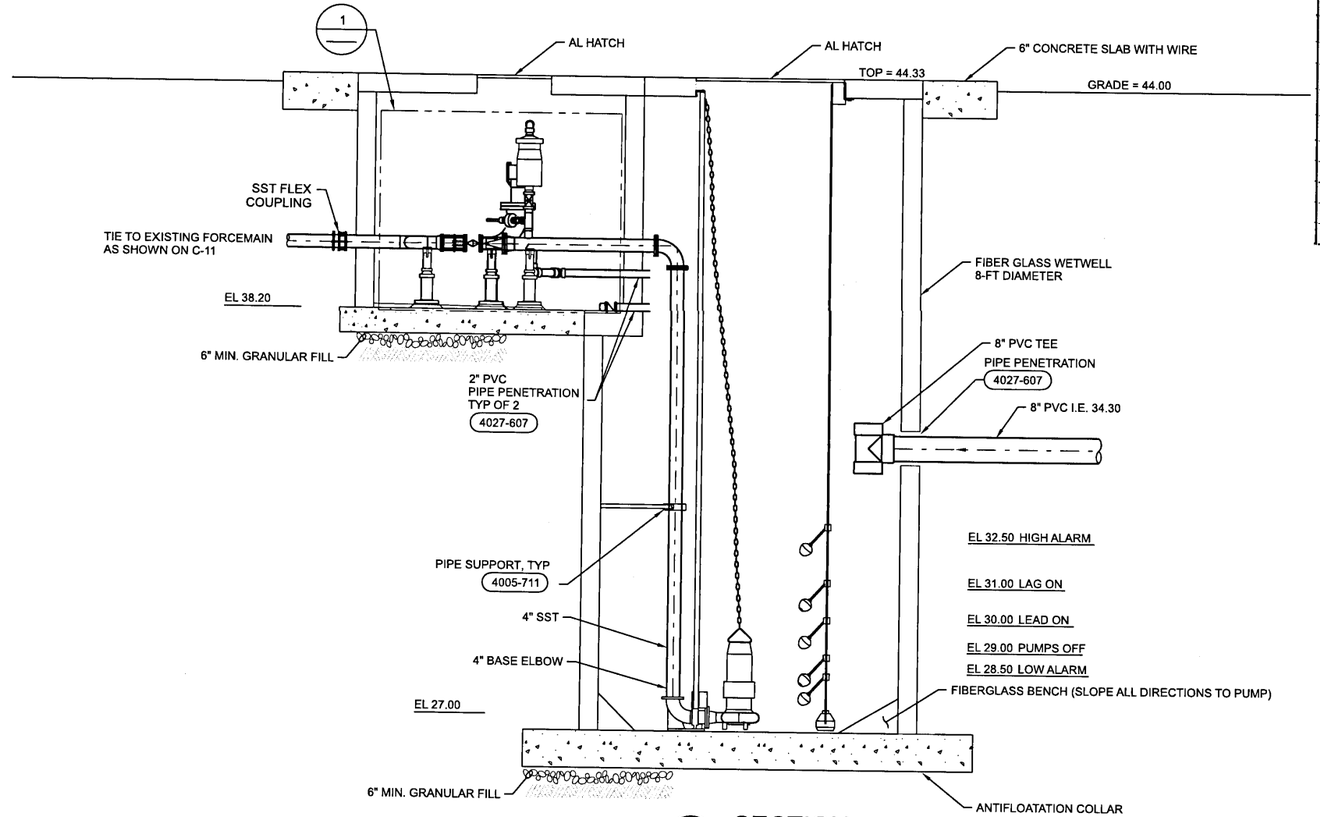


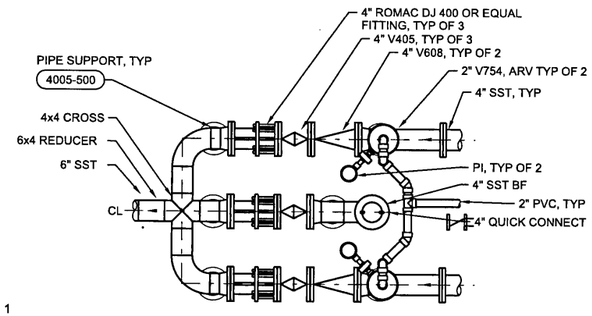
A SECTION
1"=2'-0"

LS PUMP DATA

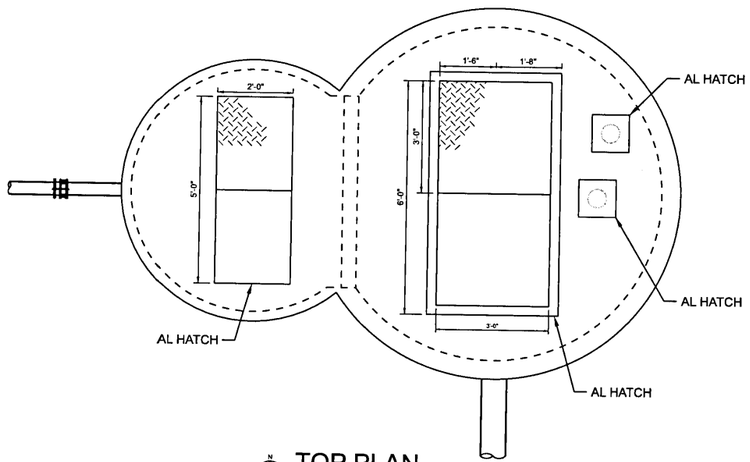
NO. OF UNITS	228
FLOW PER UNIT	300
ADF (GPD)	68400
PHF (GPM)	190.0
MANUFACTURER	
PUMP TYPE	NON-CLOG SUBMERSIBLE
CAPACITY (GPM/TDH)	xx/xx'
HP / RPM	
VOLT / PHASE	
DISCHARGE PIPE SIZE	4"

GENERAL NOTES

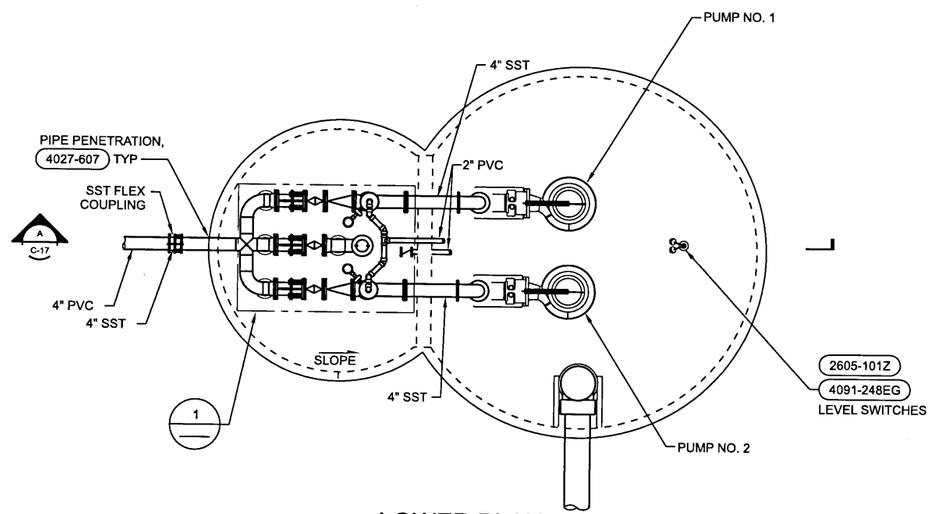
1. FIBER GLASS LIFT STATION DESIGNED BY FIBER GLASS MANUFACTURER. ALL JOINTS SHALL BE WATER TIGHT. DESIGN SURCHARGE LOAD IS HS-20.
2. SEE DWG G-003 FOR CODE AND OTHER DETAILS.
3. WALL THICKNESS AND SLAB THICKNESS SHOWN IS A MINIMUM REQUIREMENT. MANUFACTURER SHALL DETERMINE IF ACTUAL THICKNESS REQUIRED ARE GREATER THAN THOSE SHOWN HERE.
4. INCLUDE TIDE FLEX CHECK VALVE ON DRAIN DISCHARGE FROM VALVE VAULT.
5. PRESSURE GAUGE TO BE AN ASHCROFT UTILITY SERIES 1000 RANGE OF 0-30PSI.
6. HATCHES SHALL BE DOUBLE LEAF-SPRING TYPE WITH SAFETY GRATE AS PER SPECIFICATION 05 50 00B.
7. CONTACTOR SHALL PROVIDE BOYANCY CALCULATIONS FOR NEW WETWELL AND VALVE VAULT.
8. CONTRACTOR SHALL DEVELOP AN EXCAVATION SUPPORT PLAN. THE SUPPORT PLAN SHALL DETAIL SHORING, BRACING, SLOPING, AND OTHER PROVISIONS FOR PROTECTION FROM HAZARDS OF CAVING GROUND. THE REPORT SHALL INCLUDE DESIGN ASSUMPTIONS, CALCULATIONS, METHODS OF SUPPORT, AND LOCATIONS FOR STOCKPILED MATERIAL. IF CONTRACTOR ELECTS TO USE SHEET PILES, HE SHALL PROVIDE CALCULATIONS AND DRAWINGS FOR THE SHORING SYSTEM THAT HAS BEEN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. EXCAVATION SUPPORT SHALL BE CAREFULLY REMOVED TO AVOID DAMAGE TO NEW STRUCTURES AND ADJACENT FACILITIES AND DOES NOT LEAVE VOIDS IN THE BACKFILL.



1 DETAIL



TOP PLAN
1"=2'-0"



LOWER PLAN
1"=2'-0"

NO.	DATE	REVISION	BY	APVD

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UTILITY
SOUTH PUMP STATION

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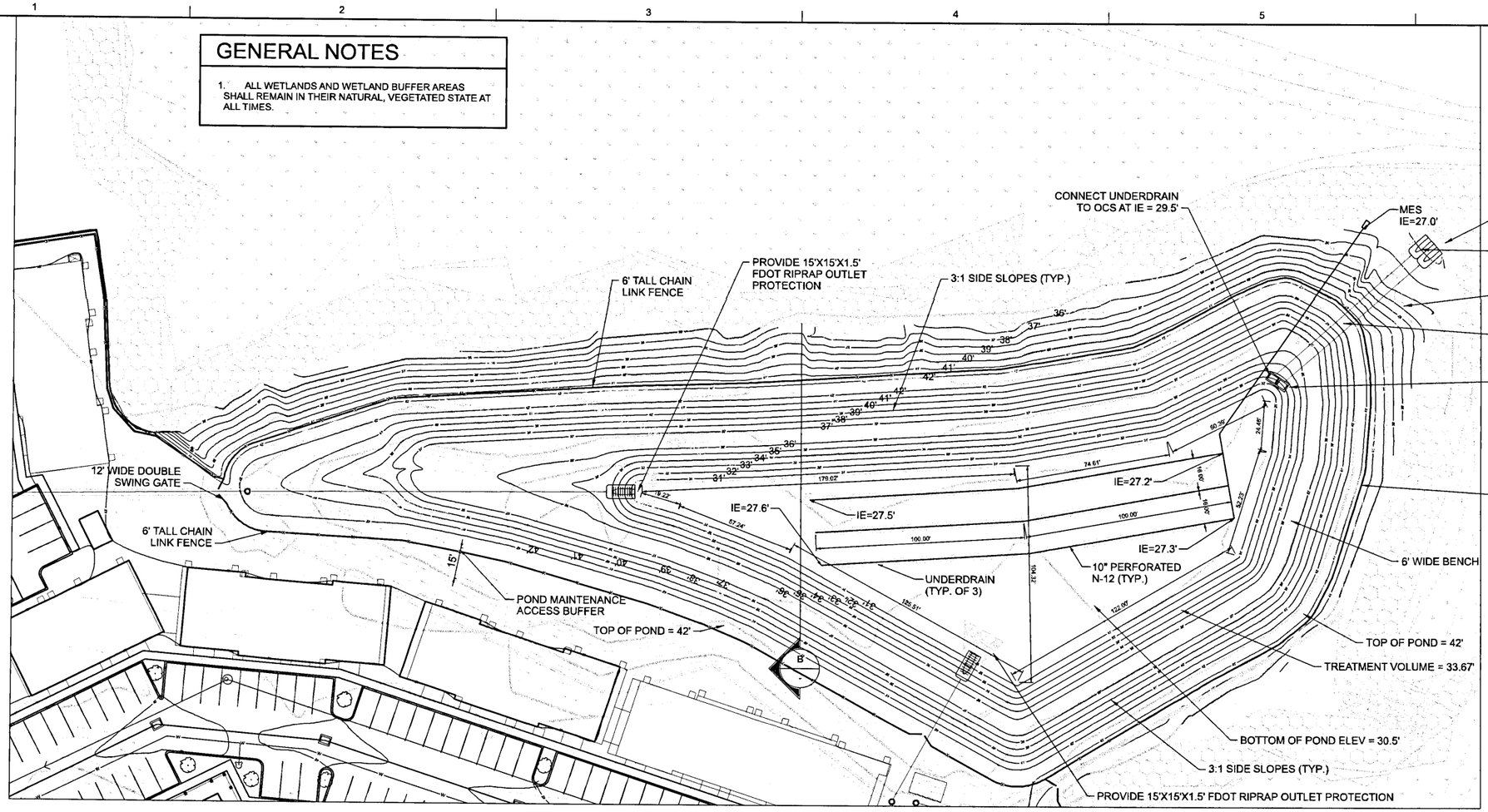
GENERAL NOTES

1. ALL WETLANDS AND WETLAND BUFFER AREAS SHALL REMAIN IN THEIR NATURAL, VEGETATED STATE AT ALL TIMES.

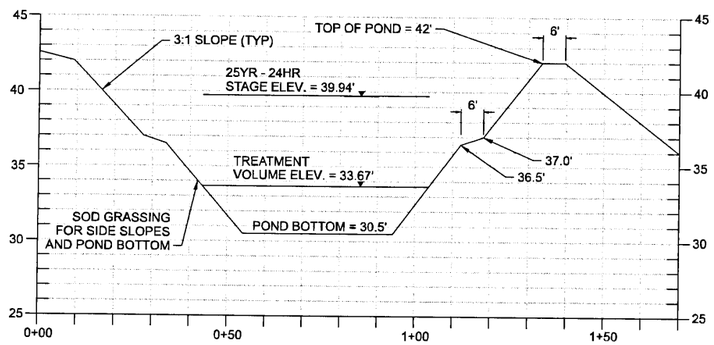


A STORMWATER POND 3 DETAILED PLAN

1"=30'

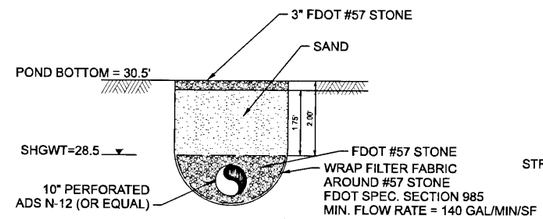
STORMWATER DRY POND NOTES

1. VEGETATE POD SIDE SLOPES WITH SOD UPON COMPLETION REVISED GRADING. MAINTAIN GRASSING THROUGHOUT THE DURATION OF CONSTRUCTION WITH IRRIGATION AND MOWING AS NECESSARY.
2. POND UNDERDRAIN SYSTEM SHALL NOT BE INSTALLED UNTIL COMPLETE STABILIZATION OF THE SITE. ONCE SITE IS STABLE, INSTALL UNDEDRAIN AND VEGETATE THE POND BOTTOM WITH SOD.
3. CONTRACTOR SHALL INSTALL EXFILTRATION TRENCH SIMILAR TO FDOT DETAIL 440-001 TYPE II, SHEET C-20. ALSO SEE DETAIL 'C' ON THIS SHEET.
4. PROVIDE CLEAN OUT AT EVERY BEND OF THE UNDERDRAIN PIPE (MINIMUM).
5. EXISTING OUTLET CONTROL STRUCTURE SHALL BE REMOVED AND REPLACED AS SHOWN.



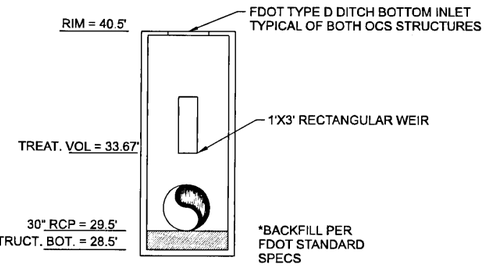
B STORMWATER POND 3 SECTION

H: 1"=20 V: 1"=5'



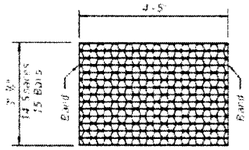
C UNDERDRAIN DETAIL

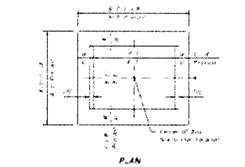
1"=2'



C OCS DETAIL

1"=4'





HORIZONTAL WALL REINFORCING SCHEDULE (TABLE 2)

WALL HEIGHT H	REINFORCING	WALL THICKNESS	WALL STEM	STEM NO.
0'-6"	4x4	4x4	4	4
0'-12"	4x4	4x4	4	4
1'-0"	4x4	4x4	4	4
1'-6"	4x4	4x4	4	4
2'-0"	4x4	4x4	4	4
2'-6"	4x4	4x4	4	4

TYPE D

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STORMWATER POND DETAILS

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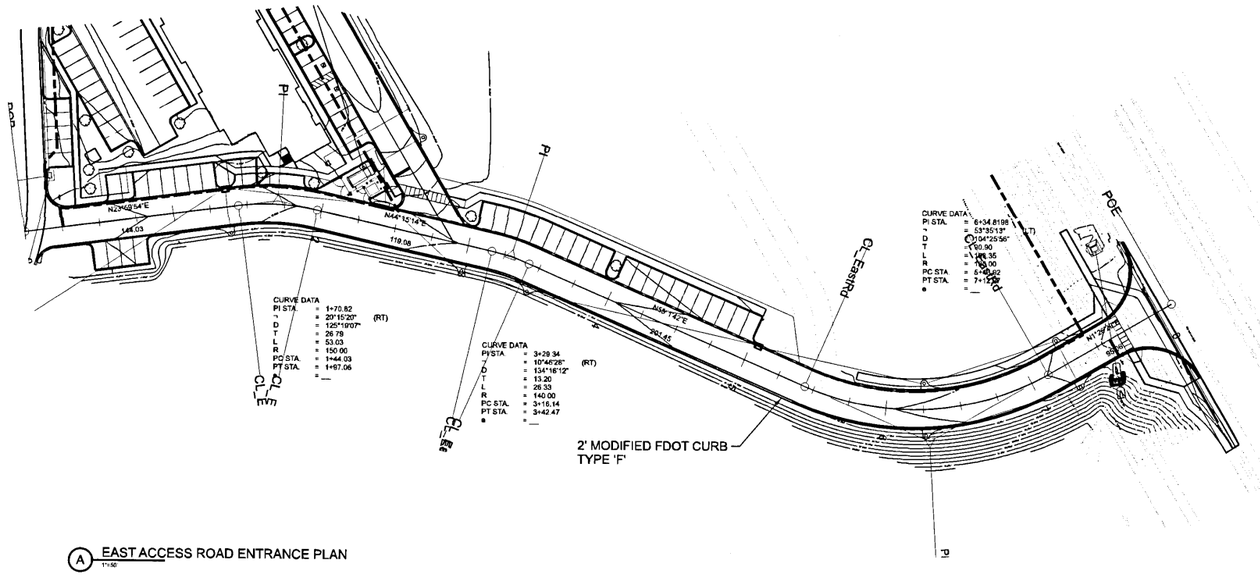
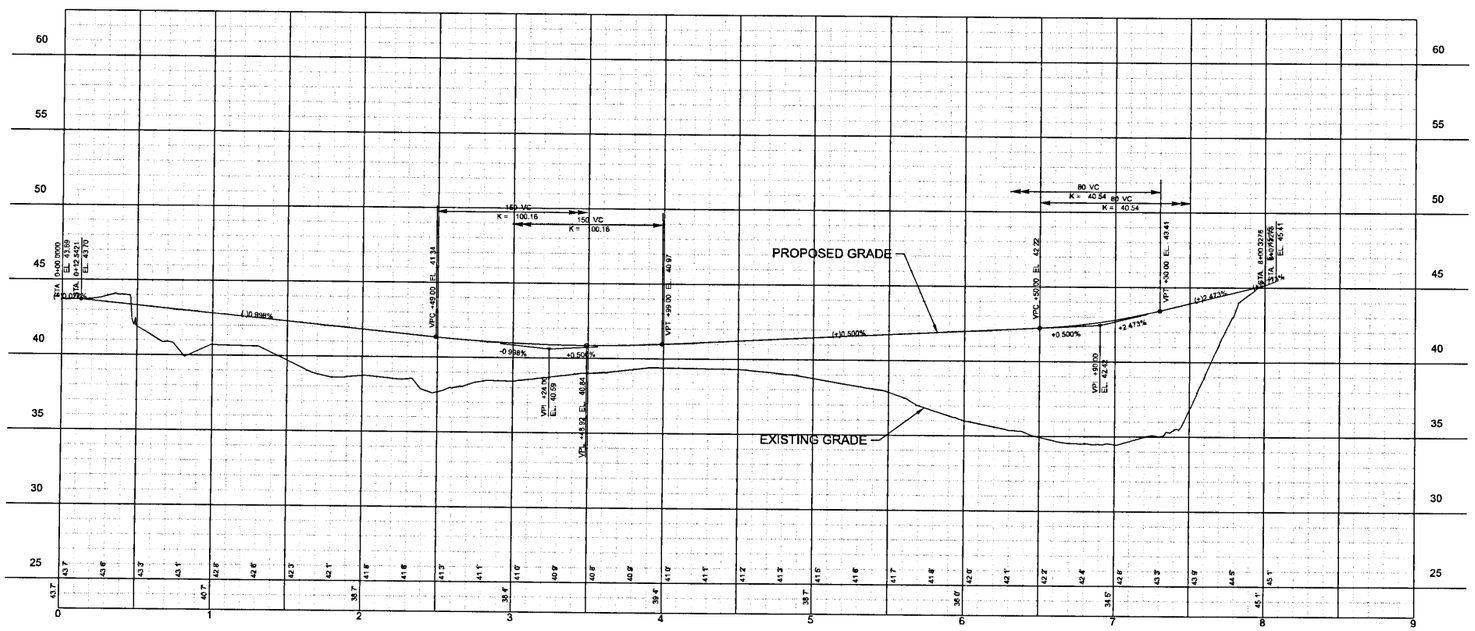


A EAST ACCESS ROAD ENTRANCE PLAN
1"=50'



A EAST ACCESS ROAD PROFILE
H. 1"=50' V. 1"=5'
SHEET NO

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ROADWAY PLAN AND PROFILE - EAST ACCESS ROAD

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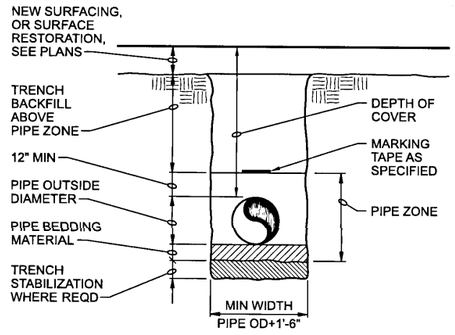
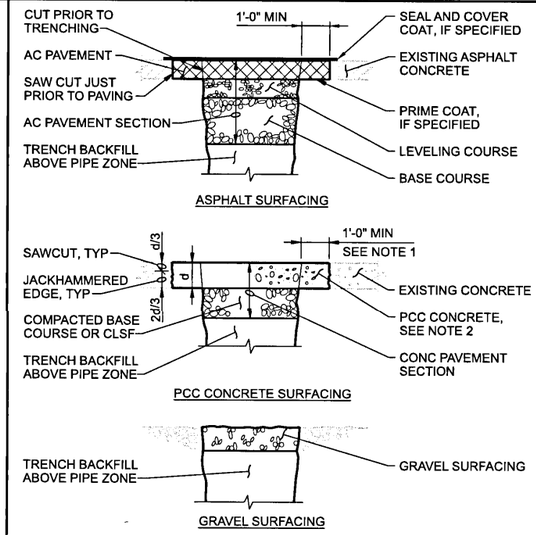


TYPICAL TRENCH

NTS

3123-110



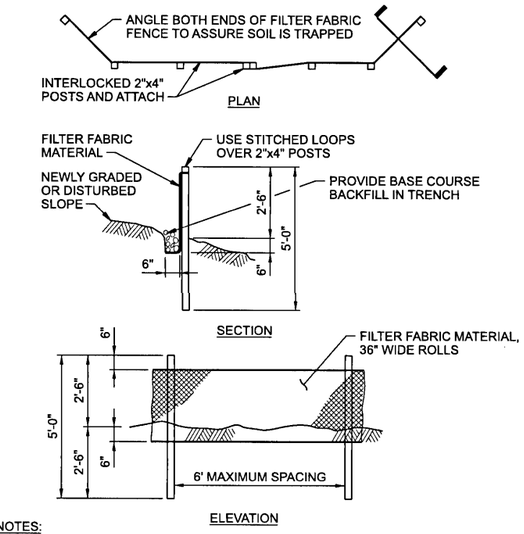
NOTES:

1. IF LOCATION OF TRENCH SAW CUT IS WITHIN 2 FEET OF AN EXISTING JOINT OR EDGE OF CONCRETE, REPLACE ENTIRE CONCRETE TO THE JOINT OR EDGE.
2. CONSTRUCT JOINTS ACROSS NEW CONCRETE TO MATCH EXISTING JOINT TYPES AND LOCATIONS.

SURFACE RESTORATION

NTS

3216-340



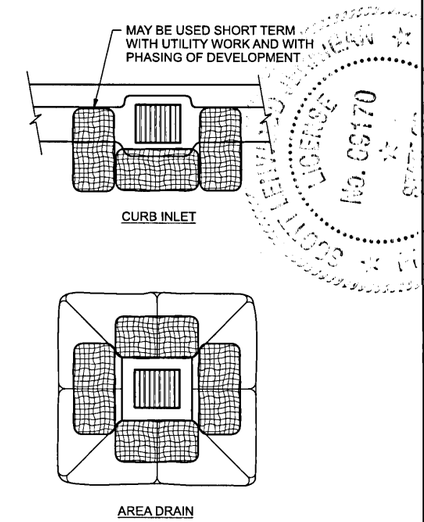
NOTES:

1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
2. 2"x4" DOUGLAS FIR OR STEEL FENCE POSTS.
3. STITCHED LOOPS TO BE INSTALLED DOWNHILL SIDE OF SLOPE.
4. COMPACT ALL AREAS OF FILTER FABRIC TRENCH.

SEDIMENT FENCE

NTS

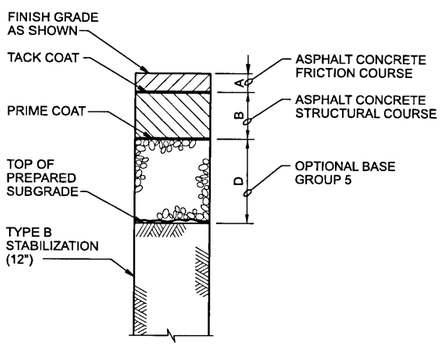
3125-165



BIOFILTER BAG INLET BARRIER

NTS

3125-186



PAVEMENT TYPE(S)	DIMENSION (INCHES)		
	A	B	C
A1	1"	1.5"	7"
A2	*	*	*
A3	*	*	*

NOTE:

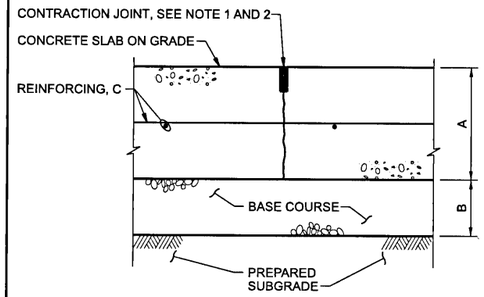
PROVIDE ASPHALT CONCRETE PAVEMENT TYPE AS SHOWN ON PLANS.

ASPHALT CONCRETE PAVEMENT

NTS

3212-210

PAVEMENT TYPE(S) SEE NOTE 4	DIMENSION (INCHES)		REINFORCING
	A	B	C
C1	6"	7"	#4@12" CTD 2" COVER



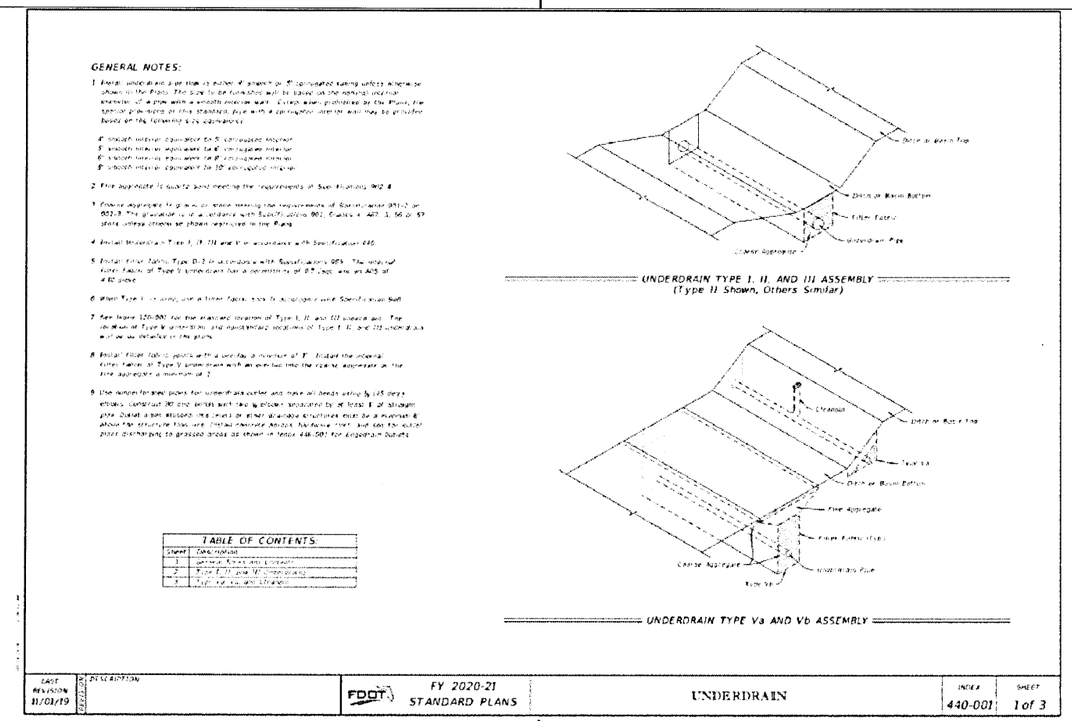
NOTES:

1. CONTRACTION JOINT SHALL BE MADE, CLEANED WITH COMPRESSED AIR, AND FILLED WITH SEALANT AS SPECIFIED.
2. CONCRETE JOINT SPACING: 'W x 'L OR AS SHOWN.
3. INSTALL 1/2" PREMOLDED JOINT FILLER FULL DEPTH WHERE CONCRETE PAVEMENT ABUTS CONCRETE CURB, BUILDING OR ANY RIGID STRUCTURE.
4. PROVIDE PORTLAND CEMENT CONCRETE PAVEMENT TYPE AS SHOWN ON PLANS.

CONCRETE PAVEMENT

NTS

3213-240



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PENSACOLA, FLORIDA

Jacobs

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SITE DETAILS

NO.	DATE	REVISION	BY	APVD

DSGN	N MEADE	DR	N MEADE	CHK		APVD	

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0 1"

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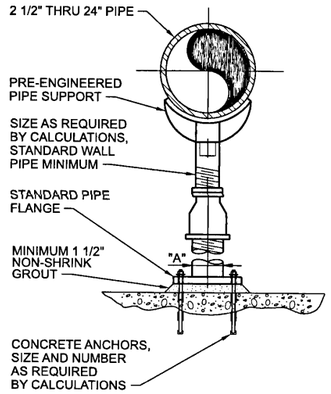


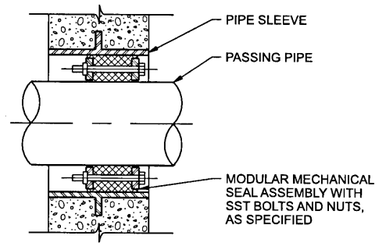
DIMENSION TABLE	
PIPE SIZE	"A" MINIMUM NOMINAL PIPE SIZE
2-1/2"	2-1/2"
3"	2-1/2"
4"	3"
6"	3"
8"	3"
10"	3"
12"	3"
14"	4"
16"	4"
20"	6"
24"	6"

NOTE:
SUBMIT FINAL DESIGN AND CALCULATIONS FOR SUPPORT AND ANCHORAGE AS SPECIFIED.

PIPE SUPPORT SADDLE SUPPORT PEDESTAL TYPE - ADJUSTABLE

NTS

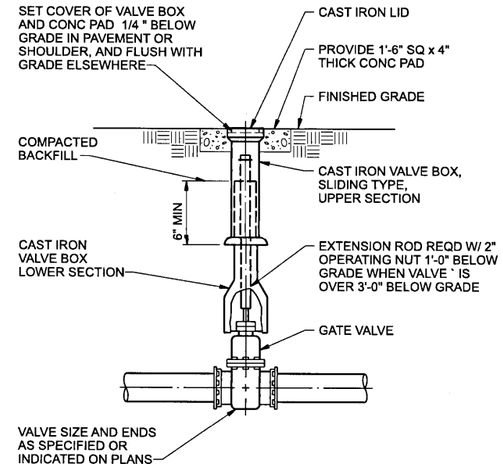
4005-500



WALL PIPE PENETRATION SEAL

NTS

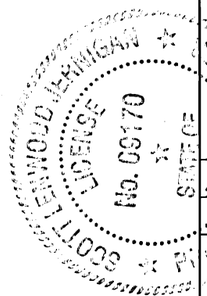
4027-607



BURIED GATE VALE BOX

NTS

4027-640



1/6/22

NO.	DATE	REVISION	BY	APV'D

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SITE DETAILS

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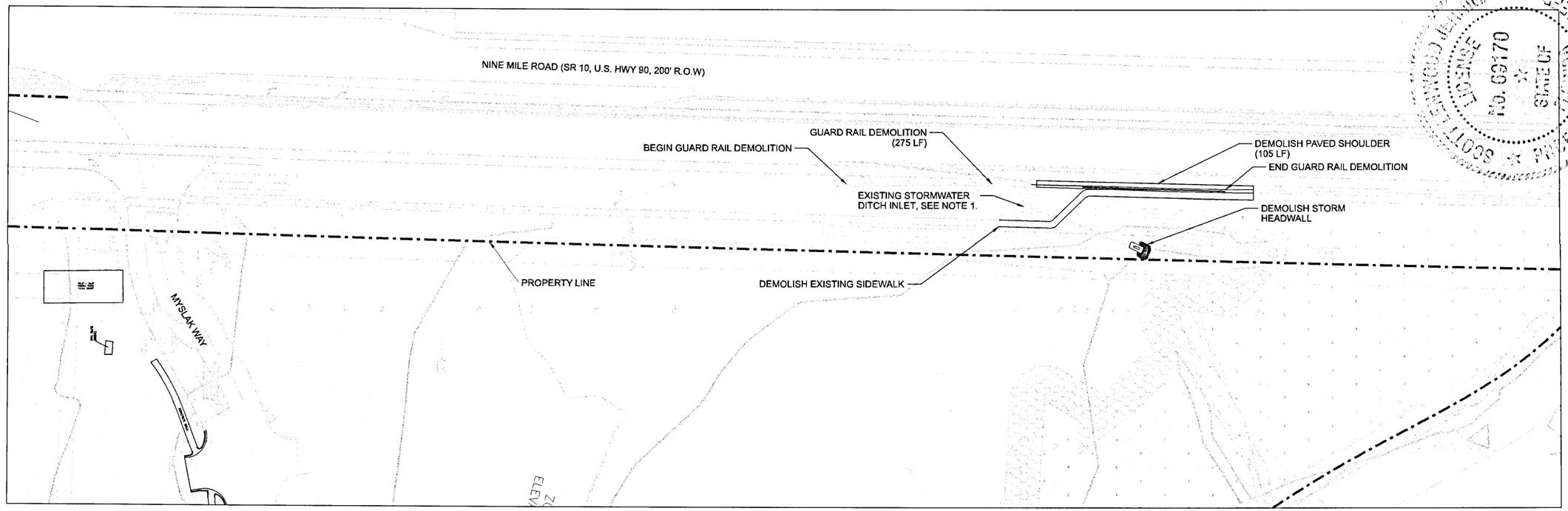
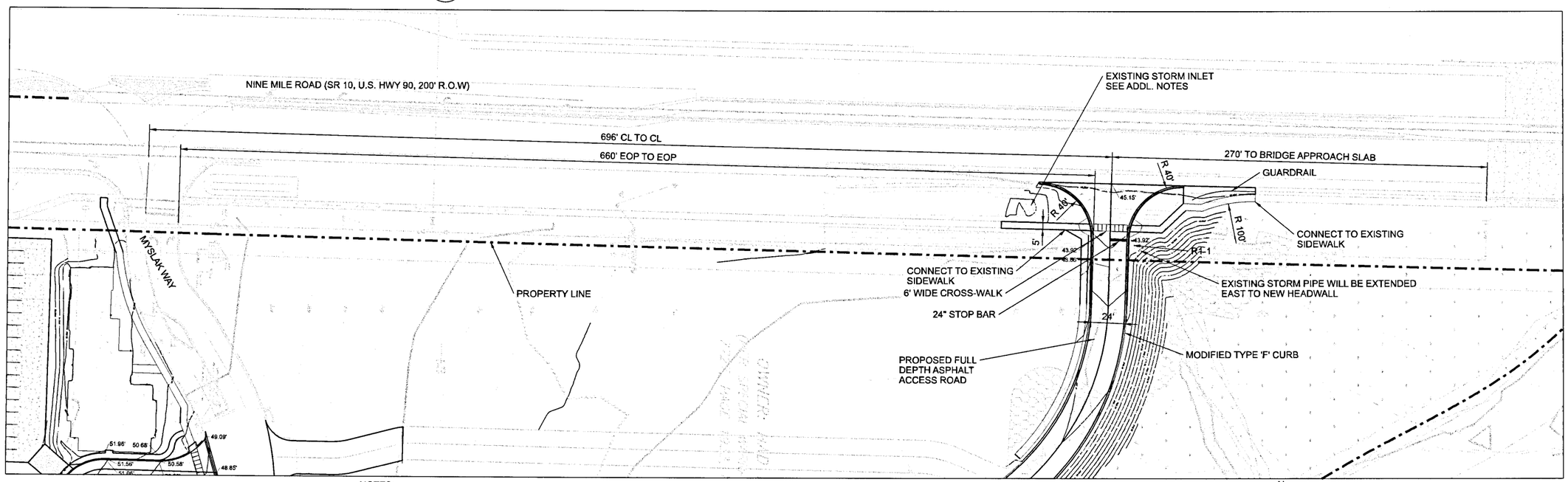


EXISTING SITE AND DEMOLITION PLAN

N

0 40 80 120

1"=40'



FDOT ACCESS/DRIVEWAY PLAN

NOTES:

1. EXISTING STORM INLET WILL NOT BE DISTURBED. A PIPE EXTENSION WILL BE ADDED TO ACCOMODATE THE PROPOSED GRADING MODIFICATIONS. NO NEW STORM RUNOFF WILL BE ADDED TO THE EXISTING INLET. ALL NEW IMPERVIOUS SURFACES WILL SLOPE SOUTH TO NEW DEVELOPMENT DRAINAGE STRUCTURES.
2. SEE DRAWING C-19 FOR PROPOSED ACCESS ROAD PLAN AND PROFILE.

N

0 40 80 120

1"=40'

NO	DATE	DR	REVISION	CHK	APVD	BY	APVD
DSGN							

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FDOT ACCESS PLAN

VERIFY SCALE

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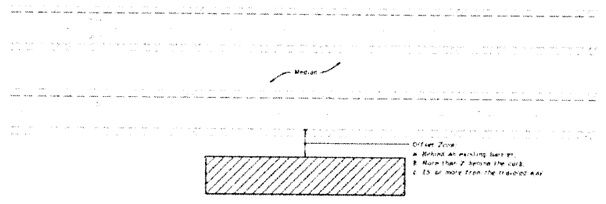


MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

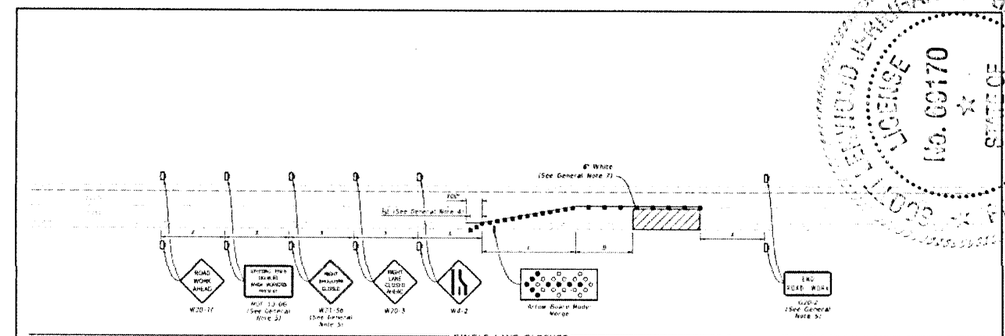
1. This index applies to Two-Lane, Two-Way and Multilane Roadways including Median of divided roadways, and work beyond the shoulder.
2. Use Index 102-600 when the work zone when including establishing and terminating the work zone requires that lane or more work vehicles (WV) the Offset Zone at any one hour period.
3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS

Work Area

Lane Identification + Direction of Traffic

LAST REVISION	DESCRIPTION			INDEX	SHEET
11/01/20		FDOT	FY 2021-22 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	102-601	1 of 1



SINGLE LANE CLOSURE

SYMBOLS:

Work Area

Channelizing Device (See Index 102-400)

Work Zone Sign

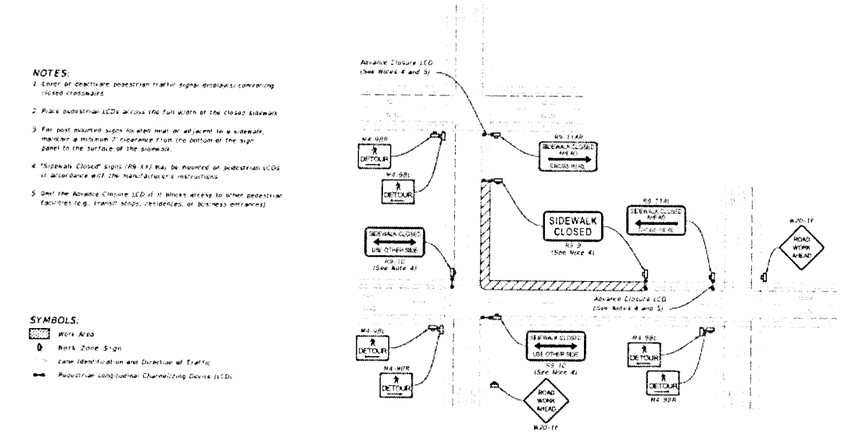
Lane Identification and Direction of Traffic

Arrow Board

GENERAL NOTES:

1. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Distance
   See Index 102-600 for "L", "B", "X", and channelizing device spacing values.
2. On undivided highways the median signs as shown are to be omitted.
3. On limited access facilities, omit "Shoulder Closed Ahead" signs (W21-5b) and associated work zone sign spacing distances.
4. If the paved shoulder is less than 8' in width, omit the taper and channelizing devices from the paved shoulder.
5. The "Speeding Fines Doubled When Workers Present" signs (R10-17-06) and "End Road Work" signs (G20-2) and "Shoulder Closed Ahead" (W21-5b) along with associated work zone sign distances, may be omitted when the work zone will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer (B) may also be omitted when the work zone will be in place for 60 minutes or less and the speed limit is 45 mph or less.
6. Use inverted plan of the illustrations for work on left side of roadway.
7. Temporary pavement markings may be omitted when the work zone is in place for 3 days or less.
8. If the work encroaches on a marked bicycle lane or rideable shoulder, close the lane or shoulder in accordance with the Plan.

LAST REVISION	DESCRIPTION			INDEX	SHEET
11/01/20		FDOT	FY 2021-22 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	102-613	1 of 5



NOTES:

1. Cover or deactivate pedestrian traffic signal displays concerning closed crosswalks.
2. Place pedestrian LCDs across the full width of the closed sidewalk.
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
4. "Sidewalk Closed" signs (R9-X3) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e.g., transit stops, residences, or business entrances).

SYMBOLS:

Work Area

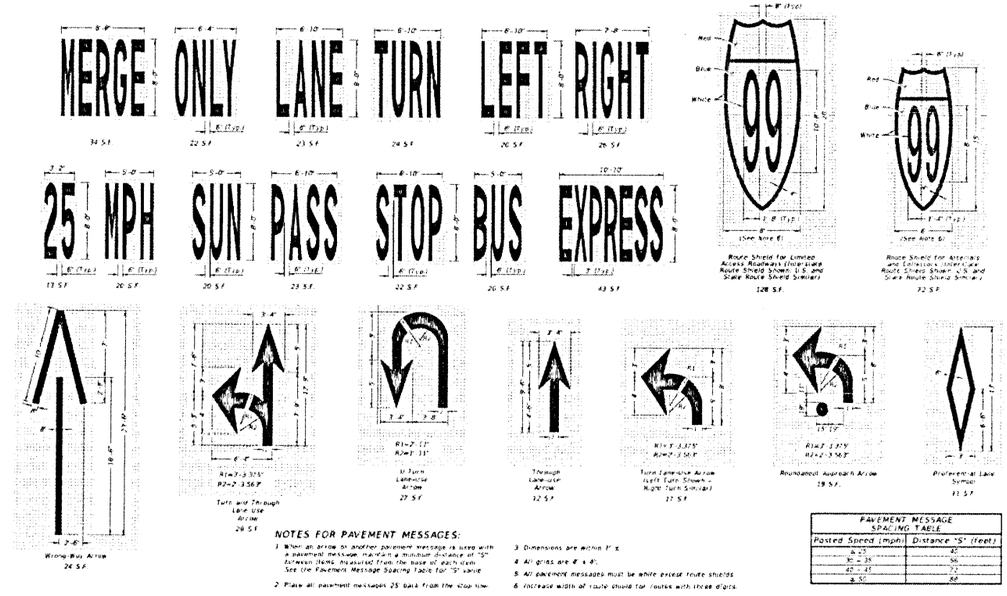
Work Zone Sign

Lane Identification and Direction of Traffic

Pedestrian Longitudinal Channelizing Device (LCD)

PEDESTRIAN DETOUR

LAST REVISION	DESCRIPTION			INDEX	SHEET
11/01/20		FDOT	FY 2021-22 STANDARD PLANS	SIDEWALK CLOSURE	102-660	1 of 2



NOTES FOR PAVEMENT MESSAGES:

1. When an arrow or another pavement message is used with a pavement message, maintain a minimum distance of "S" between items, measured from the base of each item. See the Pavement Message Spacing Table for "S" values.
2. Place all pavement messages 25' back from the stop line.
3. Dimensions are within 1" ±.
4. All grids are 6' x 6'.
5. All pavement messages must be white except route shields.
6. Increase width of route shield for routes with three digits.

PAVEMENT MESSAGE SPACING TABLE	
Posted Speed (mph)	Distance "S" (feet)
≤ 25	40
30 – 35	56
40 – 45	72
≥ 50	88

PAVEMENT MESSAGE AND ARROW DETAILS

GENERAL NOTE:

1. See Index 509-070 for pavement markings at railroad crossings.

LAST REVISION	DESCRIPTION			INDEX	SHEET
02/05/21	Added railroad pavement marking details	FDOT	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	711-001	1 of 14

25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
ER2822

ELEVATE

THE DAWSON COMPANY
PENSACOLA, FLORIDA

Jacobs

TASK LEVEL 1

FDOT 660 SURVEY

NO.	DATE	REVISION	BY	APVD

DSGN	N MEADE	DR	N MEADE	CHK	APVD

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JANUARY 2022
PROJ	D3530400
DWG	Dwg 23
SHEET	of

NOT FOR CONSTRUCTION

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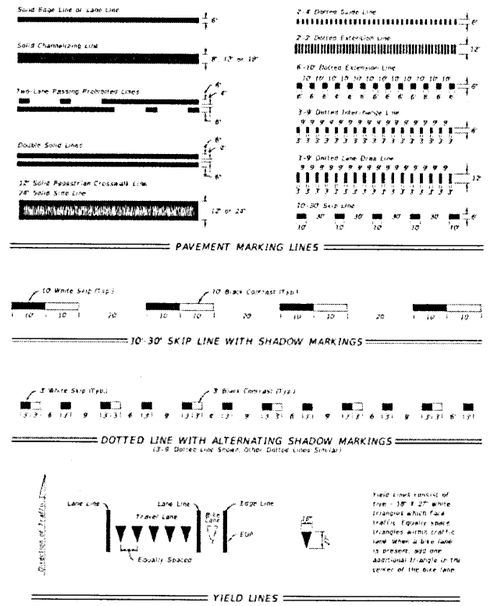
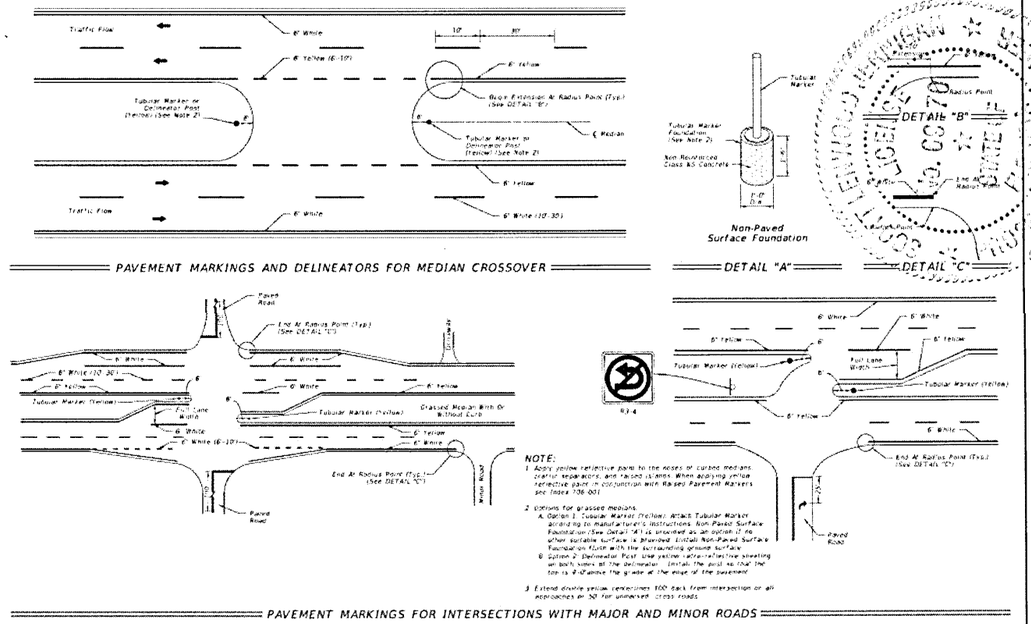
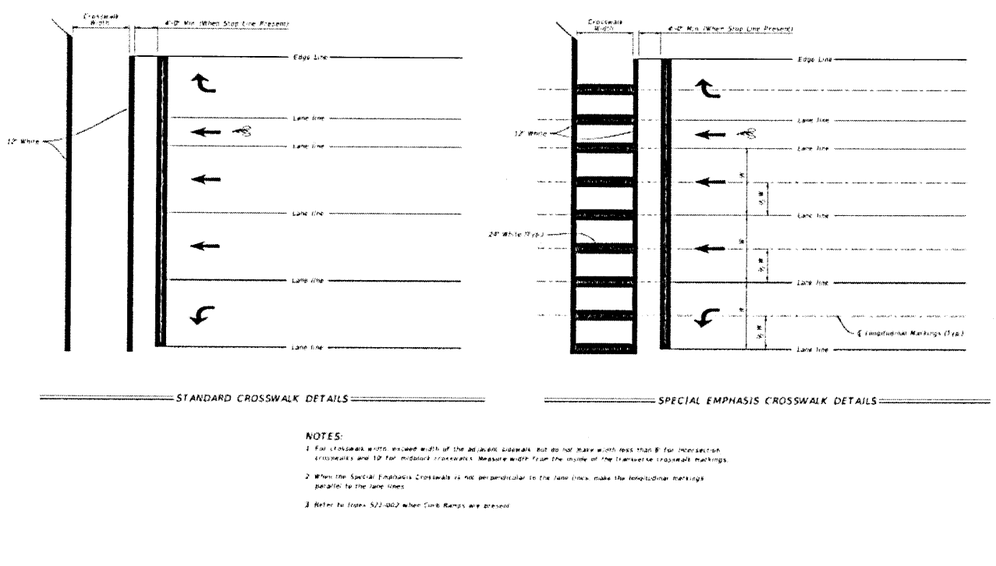


LAST REVISION	DESCRIPTION	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
02/05/21	Added railroad pavement marking details			711-001	2 of 14



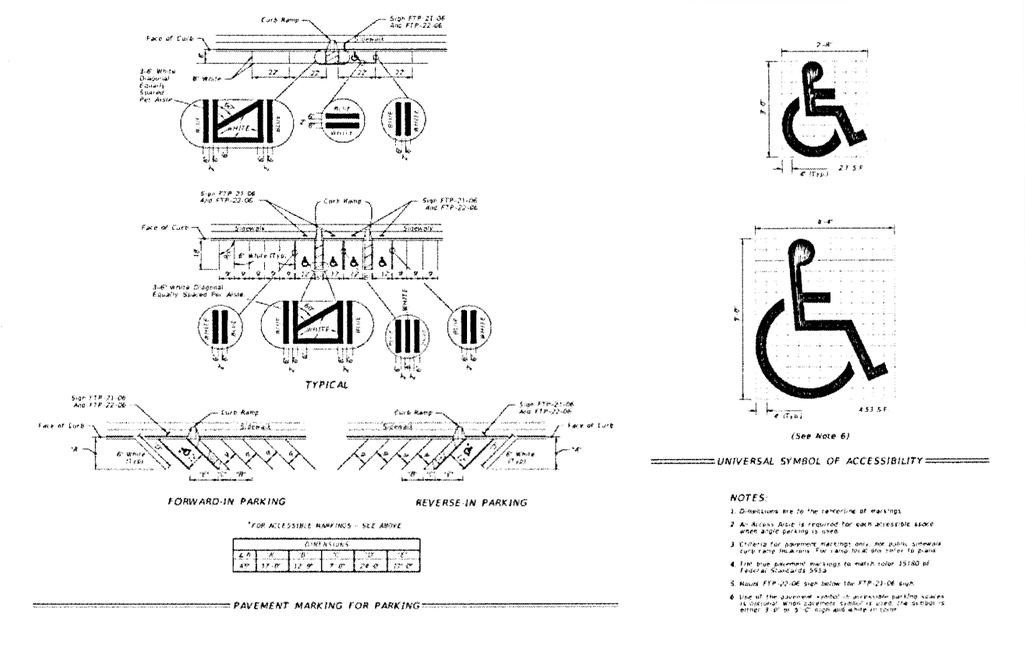
LAST REVISION	DESCRIPTION	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
02/05/21	Added railroad pavement marking details			711-001	7 of 14



NOTES:

1. For crosswalk widths exceed width of the adjacent sidewalk, but do not have width less than 8' for intersection crosswalks and 10' for midblock crosswalks. Measure width from the inside of the transverse crosswalk markings.
2. When the Special Emphasis Crosswalk is not perpendicular to the lane lines, make the longitudinal markings parallel to the lane lines.
3. Refer to Index 522-002 when Curb Ramps are present.

LAST REVISION	DESCRIPTION	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
02/05/21	Added railroad pavement marking details			711-001	10 of 14



LAST REVISION	DESCRIPTION	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
02/05/21	Added railroad pavement marking details			711-001	12 of 14

NO.	DATE	REVISION	BY	APVD

DSGN N MEADE DR N MEADE CHK APVD

Jacobs
25 W CEDAR STREET, SUITE 350
PENSACOLA, FLORIDA 32502
EB2822

ELEVATE

THE DAWSON COMPANY
PENSACOLA, FLORIDA

TOTAL 1

FDOT 660 SURVEY

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JANUARY 2022
PROJ	[redacted]00
DWG	Dw[redacted]
SHEET	of

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