

SITE CONSTRUCTION PLANS
FOR
BLUE ANGEL CENTER
BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

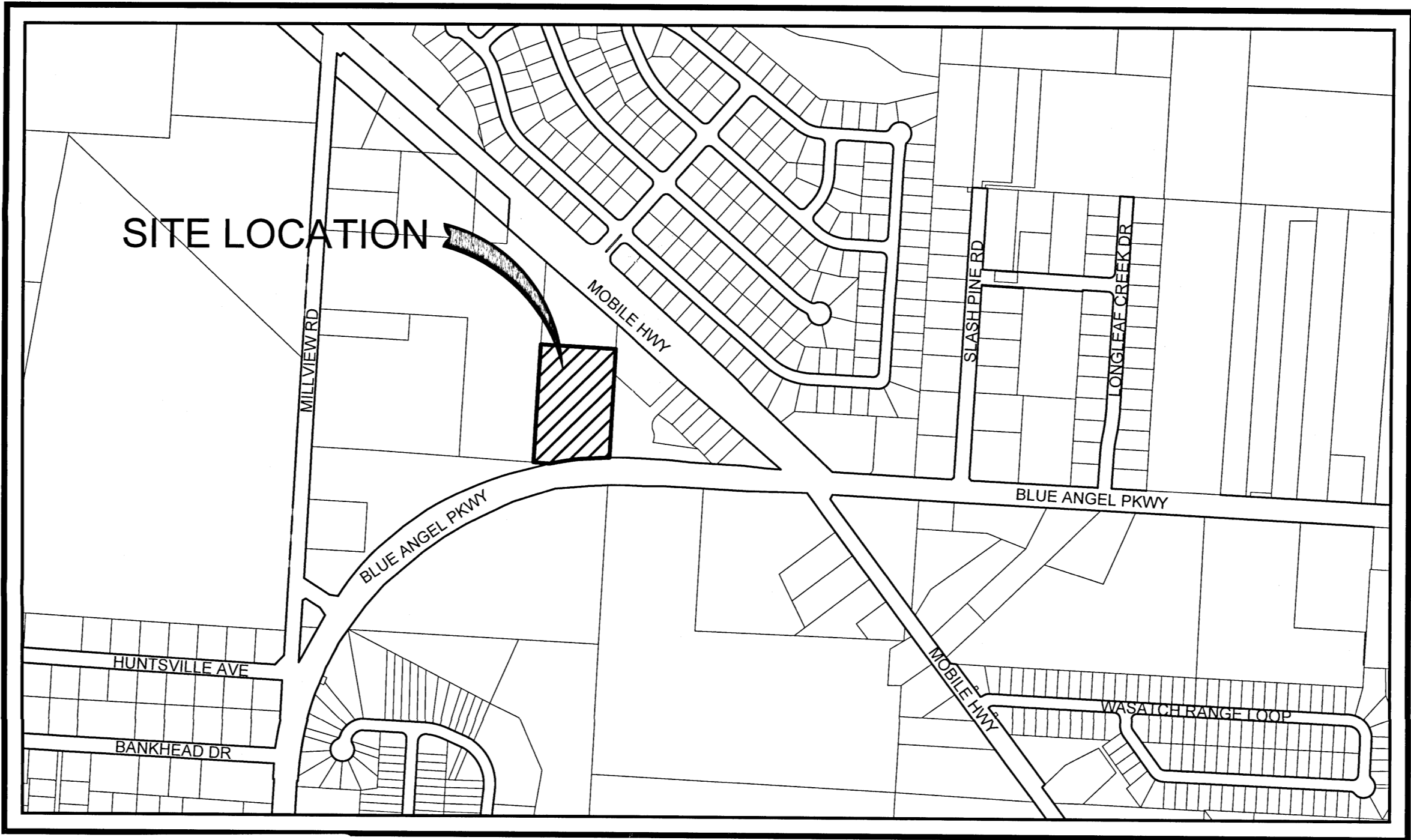
RBA PROJECT NO.: 2020.246

MAY 6, 2022

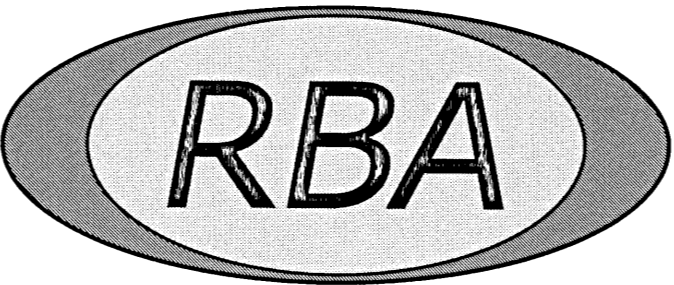
SITE INFORMATION	
OWNER:	BLUE ANGEL CENTER LLC 2860 WEST NAVY BLVD SUITE 100 PENSACOLA, FLORIDA 32526
DEVELOPER:	BLUE ANGEL CENTER LLC 2860 WEST NAVY BLVD SUITE 100 PENSACOLA, FLORIDA 32526
PROPERTY REFERENCE NO:	26-1S-31-1200-000-007
PROPERTY ADDRESS:	6881 N BLUE ANGEL PARKWAY
PROPERTY AREA:	3.90 ACRES
PROJECT AREA:	2.07 ACRES
PROPERTY ZONING:	HC/LI, MDR
FUTURE LAND USE:	MU-U
PROPOSED ACTIVITY:	WAREHOUSE (3 UNITS)
REQUIRED BUILDING SETBACKS C-1:	FRONT YARD - 15 FT. SIDE YARD - 10 FT. REAR YARD - 15 FT.

FEMA FLOOD INSURANCE RATE MAP INFORMATION					
THE PARCEL SHOWN FOR DEVELOPMENT IS LOCATED WITHIN THE FOLLOWING FLOOD ZONE(S) AS DETAILED BY FEMA FIRM (FLOOD INSURANCE RATE MAP) INFORMATION DESCRIBED BELOW:					
FLOOD ZONE(S)	COMMUNITY No.	MAP No.	PANEL No.	SUFFIX	MAP REVISION DATE
X	120080	12033C	0355	G	SEPT 29, 2006

CONTACTS	
ENGINEER OF RECORD REBOL-BATTLE & ASSOCIATES 2301 N 9TH AVE PENSACOLA, FLORIDA 32503	CONTACT: PAUL BATTLE, P.E. PHONE: 850.428.0400 (O) 2301 N 9TH AVE 850.554.2406 (C) EMAIL: PAULB@REBOL-BATTLE.COM
SURVEYOR OF RECORD REBOL-BATTLE & ASSOCIATES 2301 N 9TH AVE PENSACOLA, FLORIDA 32503	CONTACT: MARK A. NORRIS, P.S.M. PHONE: 850.428.0400 EMAIL: MARKN@REBOL-BATTLE.COM
ESCAMBIA COUNTY PUBLIC WORKS 3363 WEST PARK PLACE PENSACOLA, FLORIDA 32501	CONTACT: MRS. JOHNNY PETTIGREW PHONE: 850.595.3404
GULF POWER 5120 DOGWOOD DRIVE MILTON, FLORIDA 32570	CONTACT: CHAD SWAILS PHONE: 850.429.2448
AT&T, INC. 605 W. GARDEN STREET PENSACOLA, FLORIDA 32501	CONTACT: JONATHAN BLACKINCHIP PHONE: 850.436.1489
ECUA 9255 STURDEVANT STREET PENSACOLA, FLORIDA 32514	CONTACT: TOMMY TAYLOR PHONE: 850.969.6516
COX CABLE 3405 MCLEMORE DRIVE PENSACOLA, FLORIDA 32514	CONTACT: TROY YOUNG PHONE: 850.857.4510
ENERGY SERVICES GAS 1625 ATWOOD DRIVE PENSACOLA, FLORIDA 32504	CONTACT: DIANE MOORE PHONE: 850.474.5319
MCI	PHONE: 800.624.9675
SUNSHINE UTILITIES	PHONE: 800.432.4770



VICINITY MAP
SCALE: 1" = 500'



REBOL-BATTLE & ASSOCIATES

Civil Engineers and Surveyors

2301 N. Ninth Avenue, Suite 300
Pensacola, Florida 32503
Telephone 850.438.0400
Fax 850.438.0448
EB 00009657 LB 7916

ECUA REQUIRED PLAN NOTES
(NOTES SHALL BE INSERTED IN THE UPPER RIGHT CORNER OF TITLE SHEET)

A. ECUA ENGINEERING MANUAL INCORPORATED BY REFERENCE

THE ECUA ENGINEERING MANUAL, DATED DECEMBER 18, 2014, ALONG WITH ANY LISTED UPDATES (HEREINAFTER "MANUAL"), LOCATED AT WWW.ECUA-FL.GOV, IS HEREBY INCORPORATED BY REFERENCE INTO THIS PROJECT'S OFFICIAL CONTRACT DOCUMENTS AS IF FULLY SET FORTH THEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE MANUAL. THE CONTRACTOR SHALL PROVIDE ITS EMPLOYEES ACCESS TO THE MANUAL AT ALL TIMES, VIA PROJECT SITE OR OFFICE, VIA DIGITAL OR PAPER FORMAT. IN THE EVENT OF A CONFLICT BETWEEN THE MANUAL AND THE PLANS, CONTRACTOR SHALL CONSULT ENGINEER OF RECORD ON THE APPROPRIATE RESOLUTION.

B. ADDITIONAL DOCUMENTS (TO BE COMPLETED BY THE ENGINEER OF RECORD)

DOES THIS PROJECT HAVE ADDITIONAL TECHNICAL SPECIFICATIONS OR CONSTRUCTION DETAILS THAT SUPERSEDE THE MANUAL LISTED ABOVE?

☐ YES

☐ NO

IF YES, CONTRACTOR SHALL CONSTRUCT PROJECT IN ACCORDANCE WITH SAID DOCUMENTS AS LISTED AND LOCATED BELOW:

DOCUMENT NAME	DOCUMENT TYPE		LOCATION	
	SPECIFICATION	DETAIL	PLANS	PROJECT MANUAL*

*PROJECT MANUALS USED ONLY WITH ECUA CIP PROJECTS

C. ENGINEER OF RECORD RESPONSIBILITIES

THE ENGINEERS OF RECORD (EORS) THAT HAVE AFFIXED THEIR SEALS AND SIGNATURES ON THESE PLANS WARRANT THEIR PORTION OF THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE MANUAL (UNLESS OTHERWISE DIRECTED BY THE ECUA PROJECT ENGINEER). THE EORS SHALL BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND SHALL ASSUME RESPONSIBILITY FOR ITS USE ON THIS PROJECT.

INDEX OF DRAWINGS

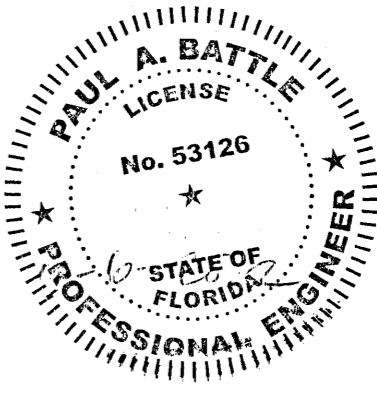
- C1.0 EXISTING SITE, DEMOLITION AND EROSION CONTROL PLAN
- C1.1 EROSION CONTROL DETAILS
- C1.2 NPDES-STORMWATER POLLUTION PREVENTION PLAN
- C2.0 SITE LAYOUT AND DIMENSION PLAN
- C2.1 SITE DETAILS
- C3.0 GRADING AND DRAINAGE PLAN
- C3.1 GRADING AND DRAINAGE DETAILS
- C4.1-4.2 UTILITY PLAN
- C4.3 LIFT STATION DETAILS
- C5.0 LANDSCAPE & STRIPING PLAN
- C5.1 LANDSCAPE & STRIPING DETAILS

LEGAL DESCRIPTION

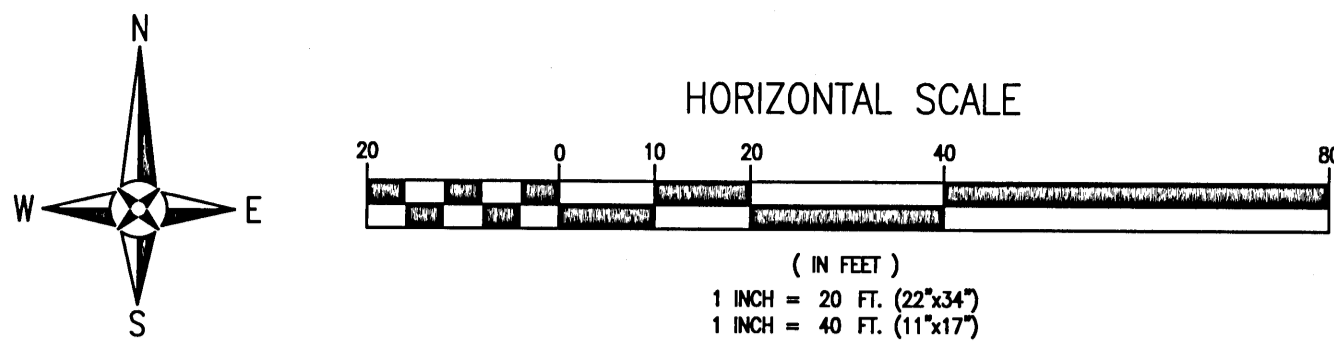
(AS PREPARED BY REBOL-BATTLE & ASSOCIATES)

COMMENCING AT AN EXISTING 1/2" IRON PIPE, BEING THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF SECTION 26, TOWNSHIP 1 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA; THENCE PROCEED SOUTH 03°16'08" WEST ALONG THE WEST LINE OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 26, FOR A DISTANCE OF 1320.54 FEET TO THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 26; THENCE DEPARTING SAID WEST LINE, PROCEED SOUTH 87°09'27" EAST ALONG THE SOUTH LINE OF THE AFORESAID NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 26, FOR A DISTANCE OF 987.42 FEET TO A 1/2" CAPPED IRON ROD (NO. LB6112) AND THE POINT OF BEGINNING; THENCE DEPARTING SAID SOUTH LINE, PROCEED NORTH 03°39'48" EAST FOR A DISTANCE OF 429.13 FEET; THENCE PROCEED SOUTH 86°20'12" EAST FOR A DISTANCE OF 335.07 FEET TO THE EAST LINE OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SAID SECTION 26; THENCE PROCEED SOUTH 03°13'36" WEST ALONG SAID EAST LINE OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, FOR A DISTANCE OF 359.20 FEET TO ITS INTERSECTION WITH THE NORTHERLY RIGHT-OF-WAY LINE OF BLUE ANGEL PARKWAY - STATE ROAD NO. 173 (RIGHT-OF-WAY WIDTH VARIES), BEING A 1/2" CAPPED IRON ROD (NO. LB6112) ON A CIRCULAR CURVE CONCAVE TO THE SOUTH, SAID CURVE HAVING A RADIUS OF 1492.39 FEET; THENCE PROCEED WESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 179.01 FEET (DELTA ANGLE = 06°52'20", CHORD DISTANCE = 178.90 FEET; CHORD BEARING = SOUTH 85°46'15" WEST) TO 5/8" CAPPED IRON ROD (DEPARTMENT OF TRANSPORTATION), BEING A POINT ON A NON-TANGENT LINE TO THE AFORESAID CURVE; THENCE PROCEED SOUTH 74°50'23" WEST ALONG SAID NON-TANGENT LINE ALSO BEING ON THE AFORESAID NORTHERLY RIGHT-OF-WAY OF BLUE ANGEL PARKWAY, FOR A DISTANCE OF 104.41 FEET TO A 5/8" CAPPED IRON ROD (DEPARTMENT OF TRANSPORTATION), ON A CIRCULAR CURVE CONCAVE TO THE SOUTHEAST, SAID CURVE HAVING A RADIUS OF 1482.39 FEET; THENCE PROCEED WESTERLY ALONG THE ARC OF SAID CURVED RIGHT-OF-WAY LINE FOR A DISTANCE OF 41.07 FEET (DELTA ANGLE = 01°35'15", CHORD DISTANCE = 41.07 FEET; CHORD BEARING = SOUTH 77°32'13" WEST) TO 1/2" CAPPED IRON ROD (NO. LB6112), BEING AT THE INTERSECTION OF SAID CURVED RIGHT-OF-WAY LINE WITH THE AFORESAID SOUTH LINE OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4; THENCE PROCEED NORTH 87°03'27" WEST ALONG SAID SOUTH LINE OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 26, FOR A DISTANCE OF 22.33 FEET TO THE POINT OF BEGINNING.

ALL LYING IN AND BEING A PORTION OF SECTION 26, TOWNSHIP 1 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND CONTAINING 3.00 ACRES, MORE OR LESS.



THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING "RELEASED FOR CONSTRUCTION" DRAWINGS FROM REBOL-BATTLE & ASSOCIATES BEFORE BEGINNING CONSTRUCTION. REBOL-BATTLE & ASSOCIATES WILL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION BASED ON PLANS THAT HAVE NOT BEEN RELEASED FOR CONSTRUCTION.



LEGEND	
	EXISTING ASPHALT
	EXISTING CONCRETE
	EXISTING GRAVEL
	DEMOLITION
	WETLAND
	WETLAND BUFFER
	BOUNDARY LINE
	EASEMENT LINE
	LOT LINE
	RIGHT-OF-WAY LINE
	WETLAND LINE
	WATER LINE
	SEWER LINE (GRAVITY)
	FORCE MAIN
	OVERHEAD UTILITIES
	BURIED TELEPHONE LINE
	GAS LINE
	BURIED ELECTRIC LINE
	BURIED FIBER OPTIC CABLE
	BURIED TV LINE
	EXISTING CONTOUR
	SILT FENCE W/ STRAW BALE
	SILT FENCE
	LIGHT POLE
	TELEPHONE BOX
	GAS VALVE
	MAILBOX
	POST
	STREET SIGN
	SIGN
	BENCHMARK
	FIRE HYDRANT
	WATER METER
	WATER VALVE
	CLEANOUT
	MANHOLE
	GUY ANCHOR
	UTILITY POLE

TREE PROTECTION NOTE:
ALL TREE BARRICADES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES (STORMWATER POND, GRADING, ETC.) AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.

REPLACEMENT RATIO: (DSM 2-5.2 (a))
TOTAL PROTECTED TREE TRUNK DIAMETER (DBH) REMOVED = 175 INCHES
191 X 0.50 = 95.5 INCHES. TOTAL CALIPER REPLACEMENT = 96 INCHES

REPLACEMENT LIMITS: (DSM 2-5.2 (a))
TOTAL TREE REPLACEMENT FOR NON-HERITAGE TREES NEED NOT EXCEED 25 CALIPER INCHES PER DEVELOPMENT SITE ACRE.
TOTAL DEVELOPMENT SITE = 3.00 ACRE X 25 = 75
REPLACEMENT LIMITS = 75 INCHES

REQUIRED TOTAL CALIPER REPLACEMENT = 75 INCHES

TOTAL 2.5 INCH TREES REQUIRED = 30
CALIPER INCHES ARE TO BE REPLACED/PLANTED USING A MINIMUM 2.5 CALIPER INCH NATIVE, CANOPY, FL GRADE 1 OR BETTER REPLACEMENT/MITIGATION TREE. THE DEVELOPER MAY ALSO CHOOSE TO PAY INTO THE ESCAMBIA COUNTY TREE FUND.

SITE ENVIRONMENTAL INFORMATION	
OVERALL PROPERTY	3.00 ACRES
ACOE/NWFWMD/ESCAMBIA COUNTY JURISDICTIONAL WETLANDS	0.69 ACRES
UPLANDS	2.31 ACRES
WETLAND BUFFER	0.26 ACRES
MERS BUFFER	0 ACRES
IMPACTS TO ABOVE	0 ACRES

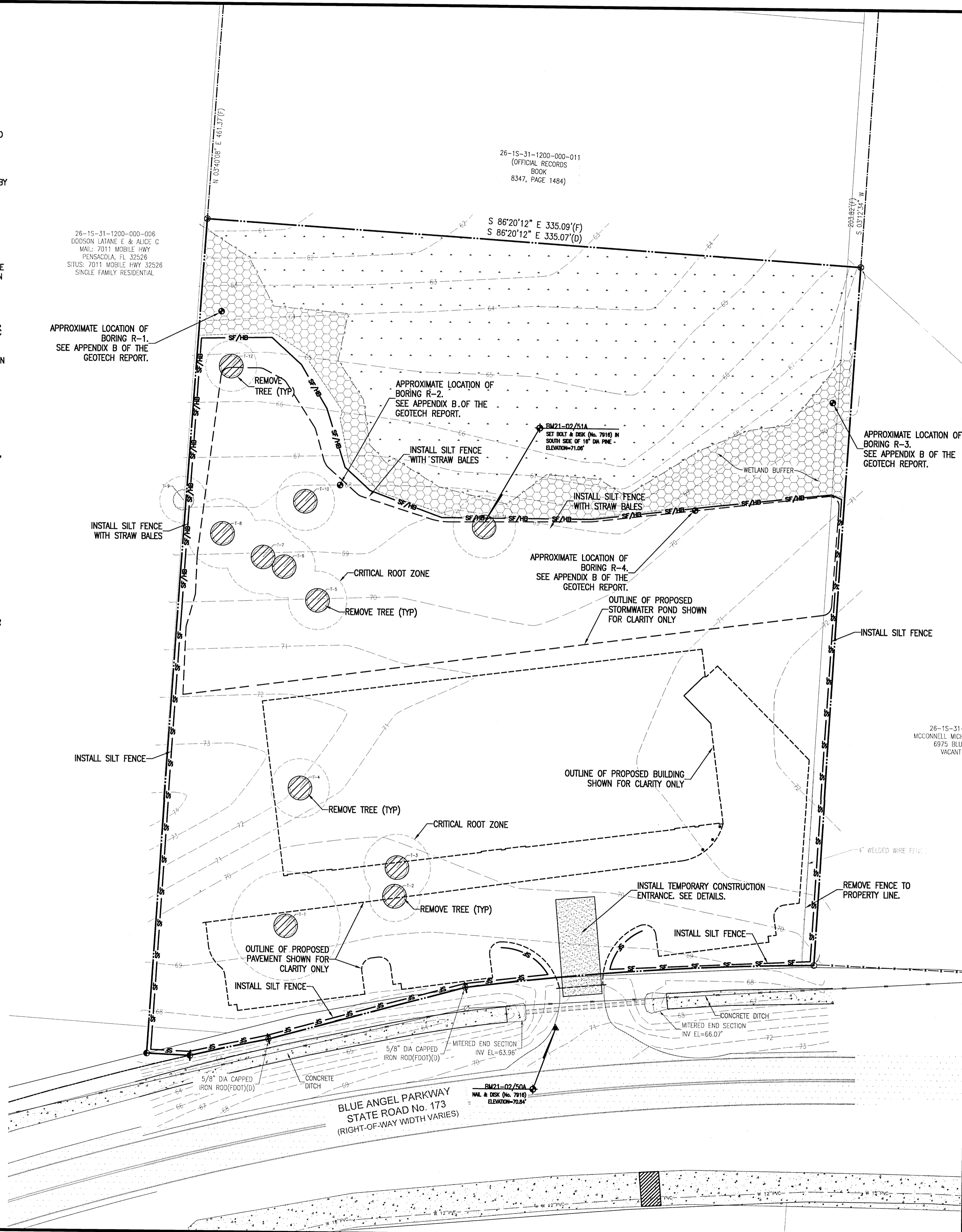
WETLAND NOTE:
WETLANDS AND WETLAND BUFFERS SHALL REMAIN UNIMPAIRED AND IN THEIR NATURAL STATE AT ALL TIMES.

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.
- THE LAND SHALL REMAIN VEGETATED AND IN ITS NATURAL STATE UNTIL SUCH TIME AS DRC SITE PLAN AND ANY ADDITIONAL SITE-WORK PERMITTING APPROVALS ALLOW FOR SUCH, PER CODE. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL MATERIALS, OR OTHER "LAND DISTURBING ACTIVITIES" SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AGENCIES.
- THE LOCATION OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS IS BASED ON INFORMATION PROVIDED BY THE UTILITIES AND SHALL BE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
- THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, SANITARY SEWER, GAS, TELEPHONE, CABLE TELEVISION, AND POWER COMPANIES 10 DAYS IN ADVANCE THAT HE INTENDS TO START WORK IN A SPECIFIED AREA. THE OWNER DISCLAIMS ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS, WATER PIPES, GAS PIPES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE OR RIGHT-OF-WAY.
- ALL SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND STRUCTURES, WHICH ARE NOT IN SERVICE AS NECESSARY FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. THESE INCLUDE PIPES, VALVES, DRAINAGE STRUCTURES, ETC., AS INDICATED ON THE CONTRACT PLANS. CONTRACTOR SHALL NOTIFY THE PROJECT OWNER AND ENGINEER OF ALL DISCOVERED UNDERGROUND STRUCTURES WHICH ARE IN CONFLICT WITH THE INSTALLATION OF THE PROPOSED IMPROVEMENTS AND ARE NOT INDICATED ON THE CONTRACT PLANS OR LOCATED IN THE FIELD BY UTILITIES IN ACCORDANCE WITH GENERAL NOTES.
- THE RELOCATION OF OBSTRUCTIONS OWNED BY PRIVATE PROPERTY OWNERS, SUCH AS MAIL BOXES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO MUST COORDINATE WITH THE PROPERTY OWNER.
- THE CONTRACTOR SHALL PLACE AND MAINTAIN ADEQUATE BARRICADES, CONSTRUCTION SIGNS, FLASHING LIGHTS, TORCHES, RED LANTERNS AND GUARDS DURING ALL PHASES OF CONSTRUCTION, IN ACCORDANCE WITH APPLICABLE FDOT INDEX.
- ALL AREAS NOT PAVED OR DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED BY SEEDING AND MULCHING OR SODDING. SEED AND MULCH OR SOD SHALL BE PLACED, WATERED, FERTILIZED WITH APPROPRIATE SOIL AMENDMENTS IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS AND THESE CONSTRUCTION DOCUMENTS.
- ALL EXCESS MATERIAL SHALL BE HAULED AWAY AND DISPOSED OF APPROPRIATELY AT THE CONTRACTOR'S EXPENSE.
- ALL CONSTRUCTION AROUND TREES SHALL BE DONE IN A MANNER TO MINIMIZE DAMAGE TO THE TREE AND ITS ROOT SYSTEM. THE CRITICAL ROOT ZONE IS, AND WILL REMAIN, SUBSTANTIALLY UNDISTURBED.
- TREES DESIGNATED FOR PRESERVATION SHALL BE PROTECTED FROM ALL POTENTIALLY HARMFUL ACTIVITY DURING DEVELOPMENT BY THE TEMPORARY INSTALLATION OF PROTECTIVE BARRIERS. THESE BARRIERS SHALL BE INSTALLED ALONG THE PERIMETER OF ALL REQUIRED PRESERVE AREAS PRIOR TO ANY LAND CLEARING, DEMOLITION, GRADING, OR CONSTRUCTION.
- NO POTENTIALLY HARMFUL ACTIVITY SHALL TAKE PLACE WITHIN THE PROTECTIVE BARRIER. HARMFUL ACTIVITIES INCLUDE, BUT NOT LIMITED TO GRADE CHANGE, TRENCHING, COMPACTION, GRUBBING OR ROOT RAKING. ACTIVITIES WITHIN BARRIERS OR CHANGES IN BARRIER LOCATION SHALL BE SPECIFICALLY APPROVED BY THE COUNTY.
- THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND THE EXTENT OF CLEARING AND GRUBBING REQUIRED.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- THE CONTRACTOR IS TO COORDINATE WITH THE RESPONSIBLE UTILITY PROVIDER FOR PROTECTION/HOLDING OF UTILITY POLES, GUY WIRES, AND GUY ANCHORS IN AREAS OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE THE COST OF PROTECTING UTILITY POLES IN THEIR OVERALL PRICE TO THE OWNER.
- ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL "AS-BUILT" SIGN-OFF FROM THE COUNTY.
- THE OPERATION AND MAINTENANCE OF THE FACILITY WILL BE THE RESPONSIBILITY OF THE OWNER, AS IN ACCORDANCE WITH THE APPROVED PERMIT.
- THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY.
- HAY BALES SHALL NOT BE PERMITTED WITHIN THE RIGHT-OF-WAY. ONLY SYNTHETIC BALES MAY BE USED.
- THE PROJECT ENGINEER (ENGINEER OF RECORD) SHALL PROVIDE ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL BY ESCAMBIA COUNTY ONE WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR THE "AS-BUILT" RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- THE OWNER OR HIS AGENT SHALL ARRANGE/SCHEDULE WITH 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.

TREE CHART		
TREE #	SIZE & TYPE	REMOVE/PROTECT
T-1	28" DIA LIVE OAK	REMOVE
T-2	13" DIA LIVE OAK	REMOVE
T-3	23" DIA TWIN LIVE OAK	REMOVE
T-4	15" DIA LIVE OAK	REMOVE
T-5	15" DIA LIVE OAK	REMOVE
T-6	16" DIA LIVE OAK	REMOVE

TREE CHART		
TREE #	SIZE & TYPE	REMOVE/PROTECT
T-7	19" DIA LIVE OAK	REMOVE
T-8	18" DIA LIVE OAK	REMOVE
T-9	18" DIA TWIN LIVE OAK	PROTECT
T-10	15" DIA LIVE OAK	REMOVE
T-11	16" DIA PINE	REMOVE
T-12	13" DIA LIVE OAK	REMOVE

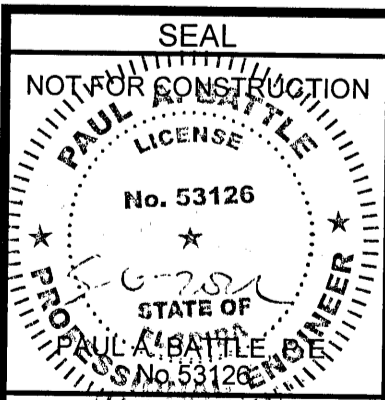


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Telephone 850.438.0400 Fax 850.438.0448
EB 00006657 LB7616

**EXISTING SITE, DEMOLITION
& EROSION CONTROL PLAN**

BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

REVISION	DATE	BY	APP'D
No.			



Dr. By: AKM
Ck By: PAB
Job No.: 2020.246
Date: 05/06/2022

DRAWING No.

C1.0

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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 A 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 SEED 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 "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 981, 982, 983, 985, & 987.
- *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 (4) 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 15FT. X 50FT. X 6IN. (MINIMUM), CRUSHED LIMEROCK 2 1/2 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. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
13. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
14. 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.
15. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).
16. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
17. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.
18. ALL CATCH BASIN INLETS SHALL BE PROTECTED WITH HAY BALES AS SHOWN ON DETAIL.
19. THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEWATERING AND DOWNSTREAM SILTATION PROTECTION OF EACH STREAM CROSSING PRIOR TO EXCAVATING THE STREAM BED. PLAN SHALL BE FORWARDED TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTION PRIOR TO EACH STREAM CROSSING CONSTRUCTION.
20. ANY AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.

- * WHERE APPLICABLE

TEMPORARY SEEDING DETAILS:

SEED BED PREPARATION:

SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS/ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE REQUIRED.

SEED MIXTURE

CONSISTING OF ANNUAL RYE (LOLIUM MULTIFLORUM) AT A RATE OF 174 LBS/ACRE.

PERMANENT SEEDING DETAILS:

SEED BED PREPARATION:

SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS/ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE REQUIRED.

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

SODDING:

SOD SHALL BE WELL ROOT MATTED CENTIPEDE OR BAHIA GRASS COMMERCIALY CUT TO A MINIMUM DIMENSION OF 12" x 24" A MAXIMUM OF 72 HOURS PRIOR TO PLACEMENT. SOD SHALL BE LIVE, FRESH AND UNINJURED, REASONABLY 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.

TRAFFIC CONTROL STANDARDS:

1. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO ONSITE ACCESS BY MEANS SO DESIGNATED BY THE ENGINEER, POLICE/SHERIFF DEPARTMENT, ESCAMBA COUNTY HIGHWAY DEPARTMENT, AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION.
2. TRAFFIC DURING WET WEATHER SHALL BE MINIMIZED AND APPROPRIATE ROADWAY AND SITE CLEAN-UP SHALL BE PROVIDED BY THE CONTRACTOR AS SOON AS WEATHER CONDITIONS PERMIT.

TREE PROTECTION:

1. DAMAGED TRUNKS OR EXPOSED ROOTS WILL BE PAINTED IMMEDIATELY WITH A GOOD GRADE OF "TREE PAINT".

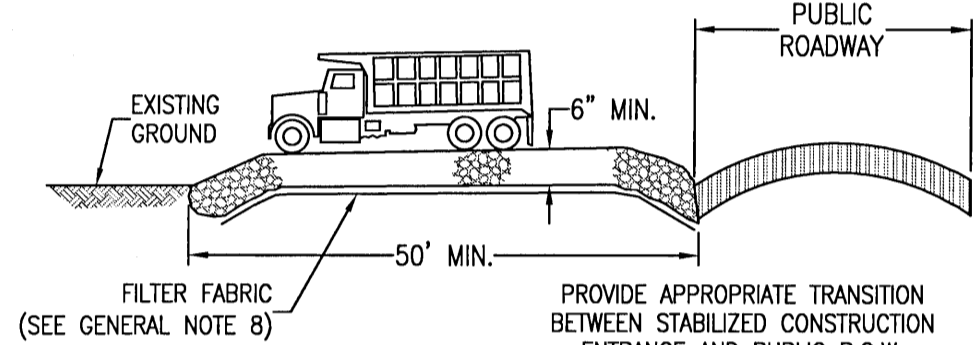
2. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH TO TRUNK OR MAIN BRANCH AND THAT AREA PAINTED IMMEDIATELY WITH A GOOD GRADE OF TREE PAINT.

DUST CONTROL:

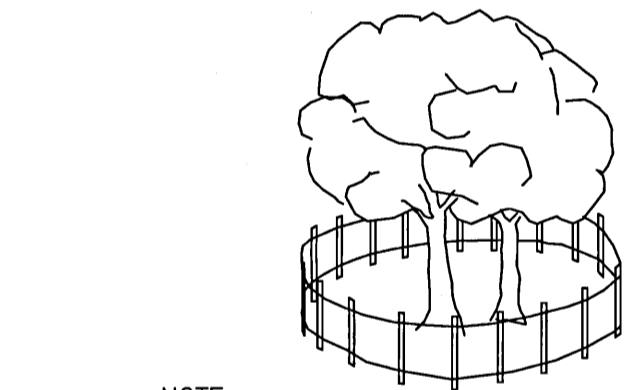
1. ALL AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.
2. DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND/OR MULCHED UNTIL PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF PERMANENT VEGETATION COVER.
3. IN EVENT OF EMERGENCY CONDITIONS, TILLAGE WILL BE SATISFACTORY FREE BEFORE SOIL BLOWING STARTS.
4. CALCIUM CHLORIDE MAY BE APPLIED TO UNPAVED ROADWAY AREAS, ONLY, SUBJECT TO THE ENGINEER'S APPROVAL AND CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 104, LATEST EDITION.

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 SOIL(S)
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, CURB & 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.



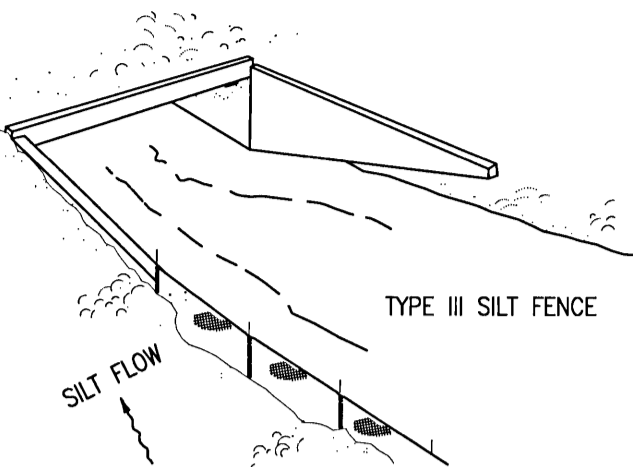
STABILIZED CONSTRUCTION ENTRANCE DETAIL
N.T.S.



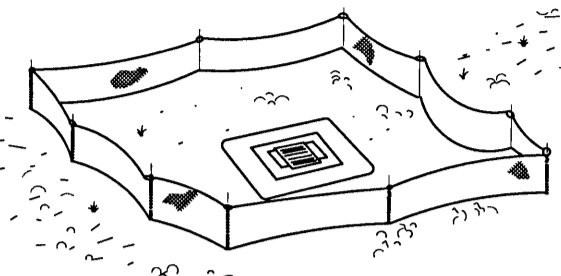
NOTE:
ALL PROTECTED TREES AS SHOWN ON THE PLANS TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING AT THE DRIP LINE OF EACH PROTECTED TREE BEFORE WORKING IN THE VICINITY OF THE TREE.

TREE BARRICADE DETAIL

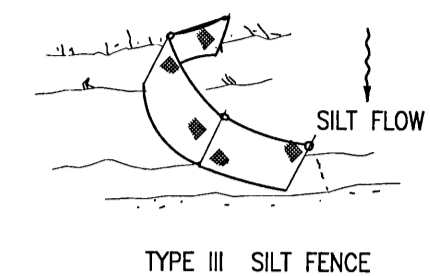
N.T.S.



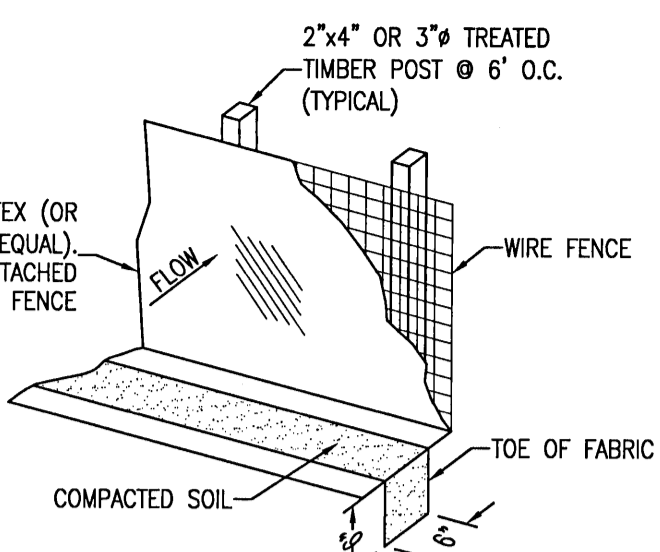
TYPE III SILT FENCE



TYPE I SILT FENCE



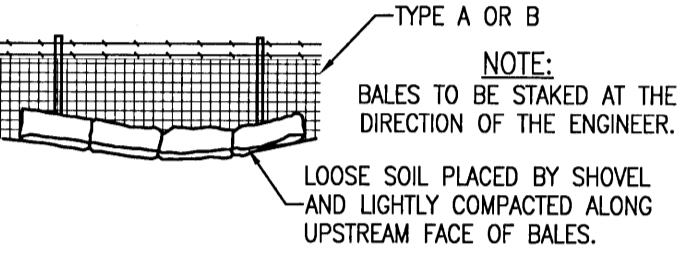
TYPE II SILT FENCE



SILT FENCE DETAIL
N.T.S.

SILT FENCE APPLICATIONS

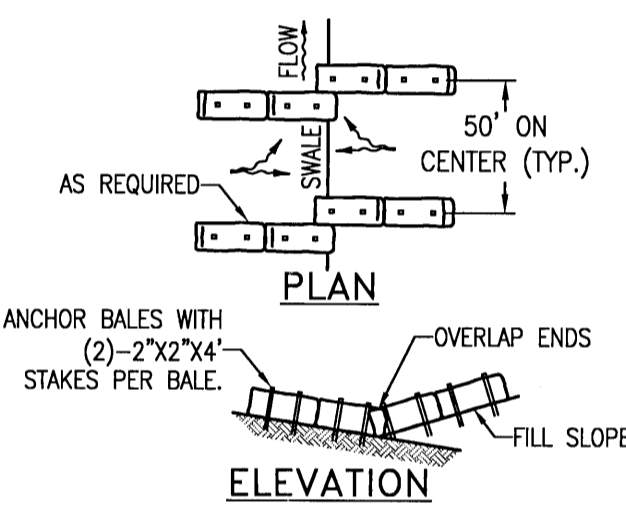
DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.



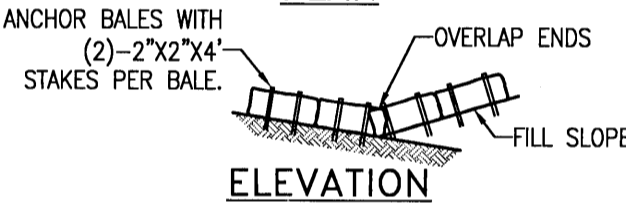
NOTE:
BALES TO BE STAKED AT THE DIRECTION OF THE ENGINEER.
LOOSE SOIL PLACED BY SHOVEL AND LIGHTLY COMPACTED ALONG UPSTREAM FACE OF BALES.

STRAW BALES BACKED BY FENCE

N.T.S.

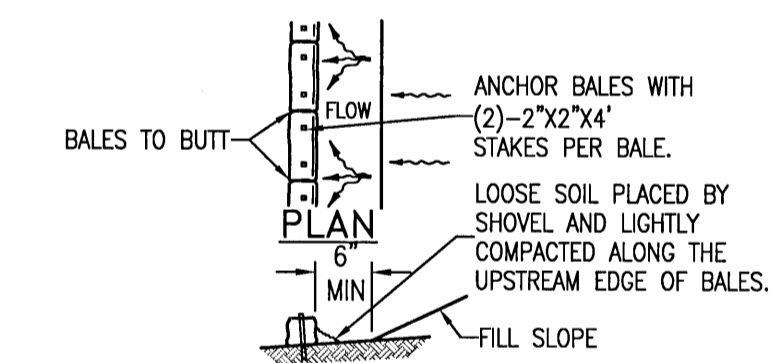


PLAN

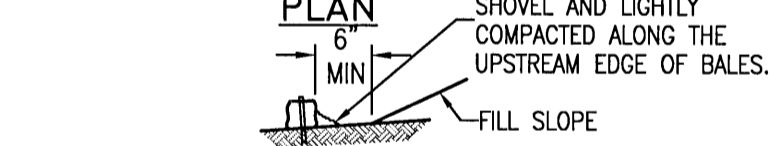


ELEVATION

TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



PLAN

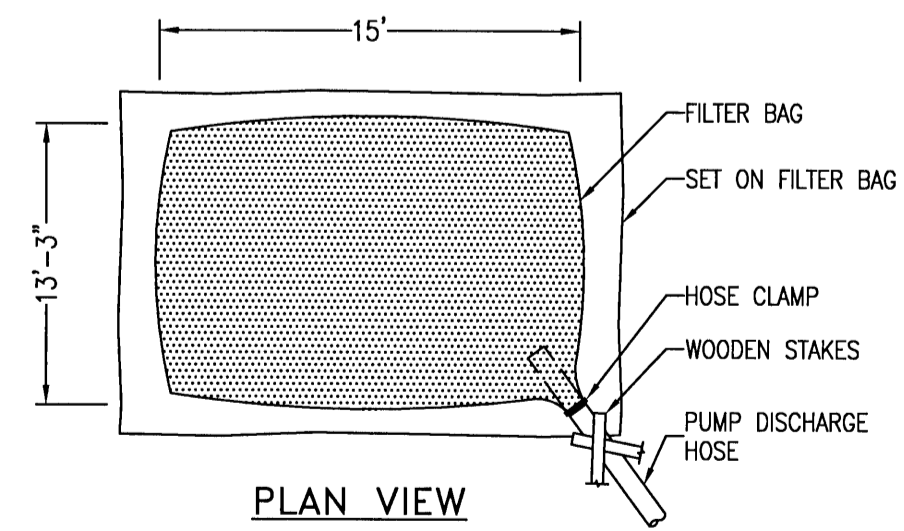


ELEVATION

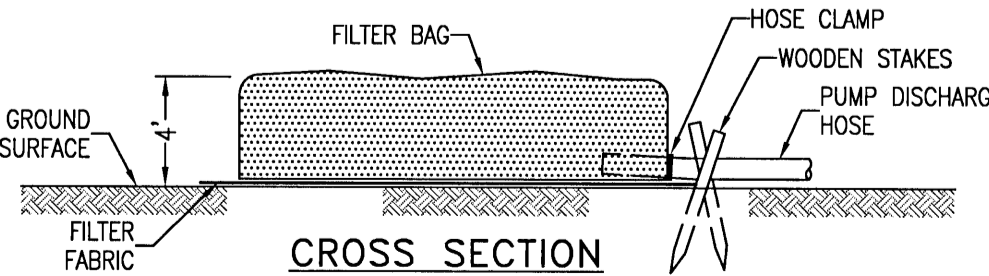
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES

N.T.S.



PLAN VIEW



CROSS SECTION

FILTER BAG DETAIL FOR TRENCH DEWATERING OPERATIONS

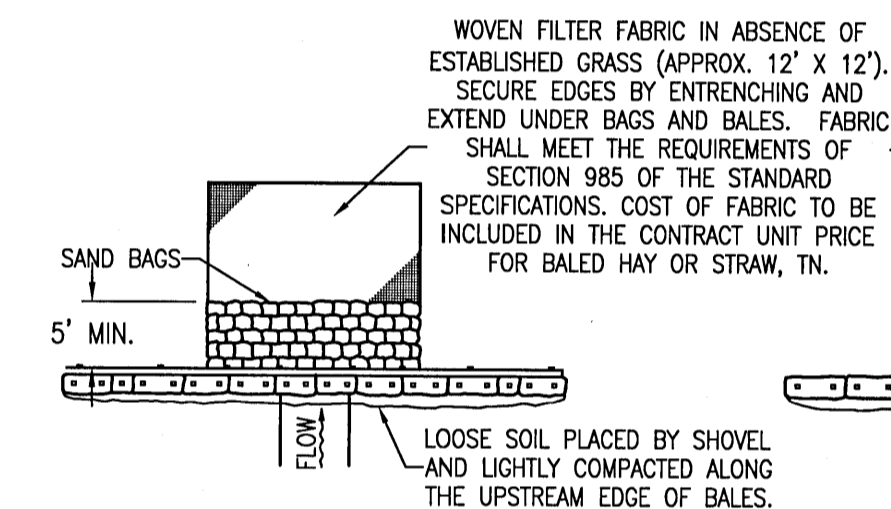
N.T.S.

DESCRIPTION:
FILTER BAGS WILL BE USED AS AN EFFECTIVE FILTER MEDIUM TO CONTAIN SAND, SILT AND FINES WHEN TRENCH DEWATERING. THE WETLAND FILTER BAG CONTAINS THESE MATERIALS WHILE ALLOWING THE WATER TO FLOW THROUGH THE FABRIC.

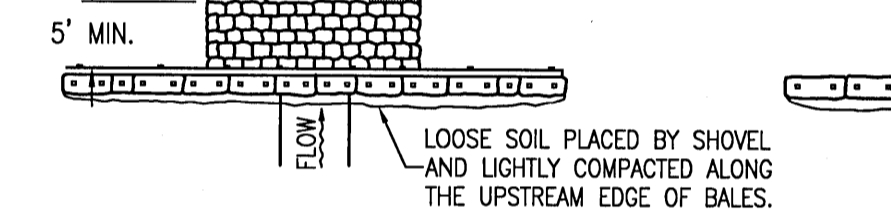
INSTALLATION:
WETLAND FILTER BAGS MAY REPLACE HAY BALE CORRALS DURING TRENCH DEWATERING, AT THE DISCRETION OF THE ENGINEER INSPECTOR. TO INSURE PROPER INSTALLATION, FILTER BAGS WILL BE PLACED ON RELATIVELY FLAT TERRAIN FREE OF BRUSH AND STUMPS TO AVOID RUPTURES AND PUNCTURES. PROPER INSTALLATION REQUIRES CUTTING A SMALL HOLE IN THE CORNER OF THE BAG, INSERTING THE PUMP DISCHARGE HOSE, AND THEN SECURING THE DISCHARGE HOSE TO THE BAG WITH A HOSE CLAMP. FILTER BAGS WILL BE PLACED AS FAR AWAY FROM FLOWING STREAMS AND WETLANDS AS POSSIBLE.

MAINTENANCE:
PRIOR TO REMOVING A BAG FROM THE HOSE, THE BAG WILL BE TIED OFF BELOW THE END OF THE HOSE ALLOWING THE BAG TO DRAIN. DRAINAGE WILL NOT BE ALLOWED THROUGH THE INLET HOLE. TO AVOID RUPTURE, THE BAGS WILL BE ATTENDED AND PUMPING RATES MONITORED. ONCE THE BAG IS INFLATED TO A HEIGHT OF 4 FEET, PUMPING WILL STOP TO AVOID RUPTURE. FILTER BAGS USED DURING CONSTRUCTION WILL BE BUNDLED AND REMOVED FOR PROPER DISPOSAL.

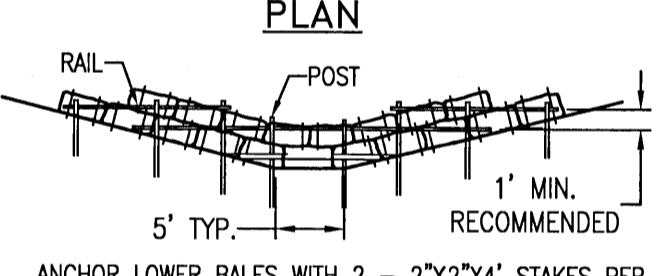
SPECIFICATION:
FILTER BAGS ARE CONSTRUCTED OF NON-WOVEN GEOTEXTILE FABRIC. A MAXIMUM OF ONE SIX INCH DISCHARGE HOSE WILL BE ALLOWED PER FILTER BAG. BAG CAPACITY WILL BE EXCEEDED BEYOND 2,000 GALLONS PER MINUTE. TYPICAL BAG DIMENSIONS ARE 15 FEET BY 13.25 FEET. TO HELP PREVENT PUNCTURES, GEOTEXTILE FABRIC WILL BE PLACED BENEATH THE FILTER BAG WHEN USED IN WOODED LOCATIONS. UNATTENDED FILTER BAGS WILL BE ENCIRCLED WITH A HAY BALE OR SILT FENCE CORRAL. HOSE CLAMPS WILL BE USED TO SECURE THE DISCHARGE HOSE, WIRE OR STRING WILL NOT BE USED.



PLAN



ELEVATION



PLAN



ELEVATION

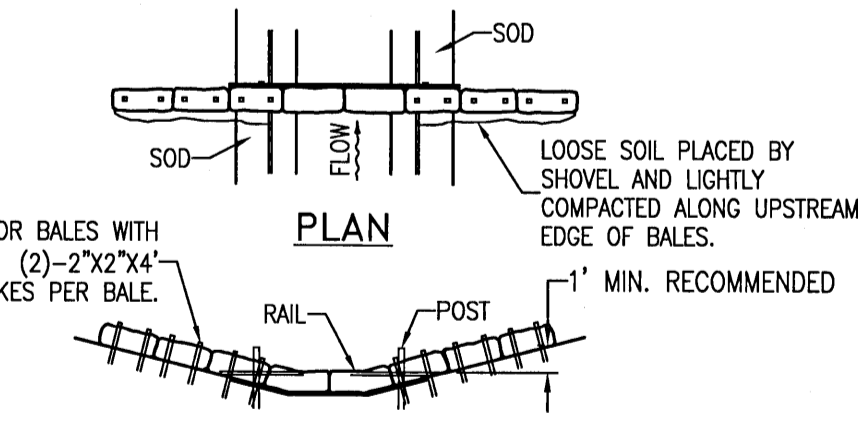
APPLICATION AND SPACING: THE USE OF TYPES I & II BALE BARRIERS SHOULD BE LIMITED TO THE CONDITIONS OUTLINED IN CHART I, SHEET 1 OF 3, INDEX NO. 102

TYPE II

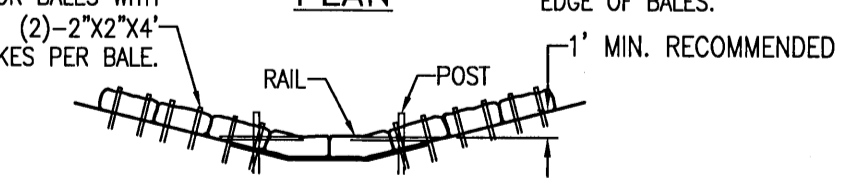
TYPE I

BARRIER FOR UNPAVED DITCH

N.T.S.



PLAN

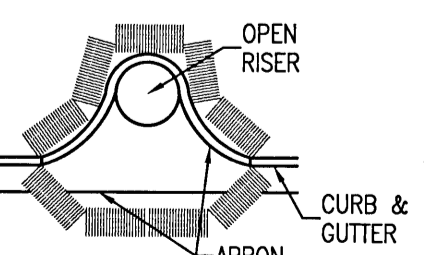


ELEVATION

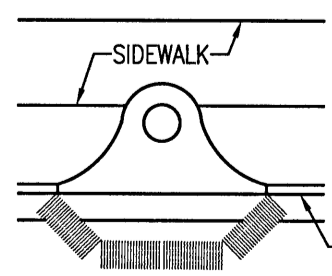
SPACING:
BALE BARRIERS FOR PAVED DITCHES SHOULD BE SPACED IN ACCORDANCE WITH CHART I, SHEET 1 OF 3, INDEX NO. 102

BARRIER FOR PAVED DITCH

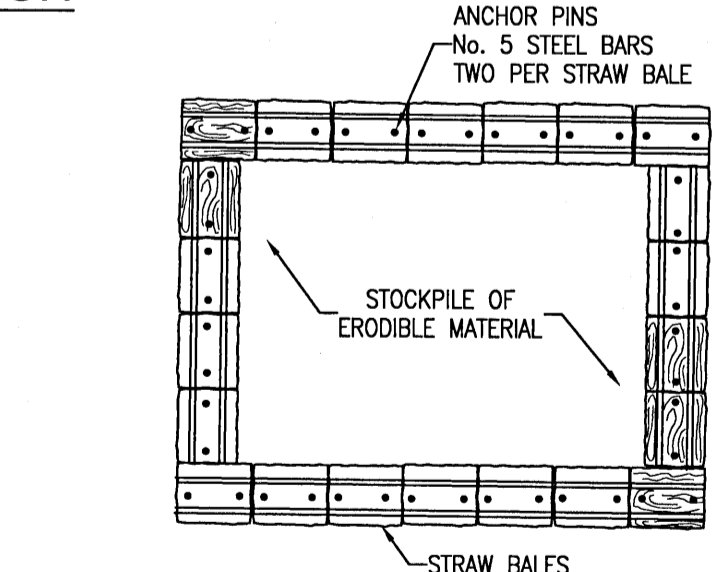
N.T.S.



PARTIAL INLET

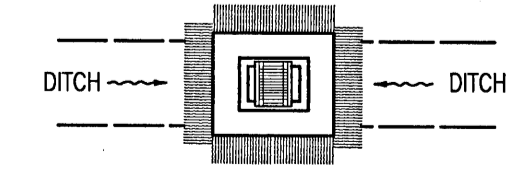


COMPLETED INLET



MATERIAL STOCKPILE DETAIL
N.T.S.

ANCHOR BALES WITH (2)-2"x2"x4" STAKES PER BALE.

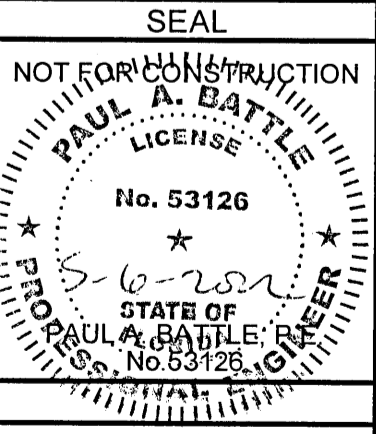


DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

N.T.S.

REVISION	No.	DATE	DESCRIPTION



Dr. By: AKM
Ck By: PAB
Job No.: 2020.246
Date: 05/06/2022

DRAWING No.

C1.1

STORM WATER POLLUTION PREVENTION PLAN

1.0 BACKGROUND & REQUIREMENTS:

1.1 Introduction:

The referenced support documentation for this Storm Water Pollution Prevention Plan (SWPPP) is the United States Environmental Protection Agency's (EPA) Storm Water Management for Construction Activities, Developing Pollution Prevention Plans and Best Management Practices Summary Guidance (EPA 833-R-92-001) and Storm Water Management for Construction Activities, Developing Pollution Prevention Plans and Best Management Practices (EPA 832-R-92-005). This SWPPP is designed to protect onsite and adjacent natural resources, including but not limited to, wetlands, marshes, bayous and bays, while preserving wildlife and archeological resources.

An Environmental Resource Permit Application has been submitted to the NWFWMD N/A

1.2 Notice of Intent (NOI):

Rule 62-621.300(4), FAC requires the construction operator of a site that disturbs one or more acres to obtain coverage from the Generic Permit for Stormwater Discharge from Large and Small Construction Activities. The contractor is required to submit a Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities (FDEP Form 62-621.300(4)(b)) along with the appropriate application fee to the following address 48 hours prior to commencing construction:

NPDES Stormwater Notices Center, MS # 2510
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

This form can be obtained from FDEP's website (www.dep.state.fl.us) or by contacting FDEP. Please note that the current application fee is \$300; however, this fee is subject to change without notice. Always refer to the most current version of Rule 62-4.050(4)(d), FAC to confirm the amount before submitting payment. If construction activity exceeds five years, the contractor must re-apply for coverage.

1.3 Stormwater Pollution Prevention Plan (SWPPP):

The contractor is required to certify this Stormwater Pollution Prevention Plan (SWPPP) below prior to submitting the NOI. This SWPPP is not required to be submitted with the NOI, but is required to be kept on site during all phases of construction. Because erosion and sediment controls and construction methods vary significantly from contractor to contractor, the contractor can propose alternative methods to this SWPPP that are equal or better at controlling erosion and sedimentation. At a minimum, the contractor must follow the erosion control plan specified in the construction plans and documents. Any modifications to this SWPPP must be documented and kept with the plan as part of the records keeping process to be in full compliance with the CGP.

1.4 Contractor's Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print & Sign Name

Company & Address

Name & Title (Print)

Signature

Date

Responsibilities (General Contractor, Site Contractor, Subcontractor, Other):

1.5 Notice of Termination (NOT):

The contractor is required to submit a Notice of Termination of Generic Permit Coverage (FDEP Form 62-621.300(6)) upon construction completion to discontinue permit coverage. The NOT is to be submitted to the following address:

NPDES Stormwater Notices Center, MS # 2510
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

This form can be obtained from FDEP's website (www.dep.state.fl.us) or by contacting FDEP. The NOT can not be submitted until all disturbed soils at the construction site have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time. Final stabilization means that all soil disturbing activities at the site have been completed and that a uniform perennial vegetative cover with a density of 70 percent of the cover for unpaved areas and areas not covered by permanent structures has been established, or equivalent stabilization measures have been employed. If construction activity exceeds five years, the contractor must re-apply for coverage.

1.6 Application Information:

Project Address: Blue Angel Parkway
Pensacola, FL 32526

Latitude: N 30°29'14.10"
Longitude: E 87°19'10.20"

Water Management District: Northwest Florida (NWFWMD)

(APPLIED FOR)

MS4 Operator Name: Escambia County

Receiving Water Name: Perdido River

2.0 SITE DESCRIPTION:

2.1 Nature of Construction Activities:

This project involves the construction of a 20,400 SF commercial building. Construction includes parking, drives, utilities and stormwater collection system.

2.2 Sequence of Major Soil Disturbing Activities:

The following sequence of major activities shall be followed unless the contractor can propose an alternative that is equal to or better at controlling erosion and sedimentation. The detailed sequence for the entire project can vary significantly from contractor to contractor. The contractor is responsible for documenting any changes.

1. Clear, grub and perform all demolition work.
2. Complete rough grading of the pond and direct all stormwater runoff to the pond(s).
3. Construct all underground utilities and storm drain system.
4. Construct roads (subgrade, curb & gutter, base, pavement, sidewalks, and landscaping).
5. Complete stormwater ponds.

2.3 Area Estimates:

Onsite Area: 3.01 acres
Offsite Area: 0.00 acres
Total Area: 3.01 acres
Area to be Disturbed: 2.07 acres

2.4 Runoff Data:

Runoff Coefficients (c):

Before: Total Composite c = 0.25
During: Varies between 0.25 and 0.95
After: Varies between 0.25 and 0.95
Total Composite c = 0.78

Soils Data:

The soils located at the site are predominately very loose to loose slightly silty sands. Groundwater was not encountered in the 15 ft to 20 ft deep test boring. For more detailed soils information, refer to the Geotechnical Services Report prepared by Universal Engineering Services.

Drainage Areas for Each Outfall:

Outfall Location	Total Area flowing to Pond	'c' coefficient
Existing wetland onsite	2.07	0.78

2.5 Site Map:

The construction plans are to be used as the site maps. The location of the required information is described below. The sheet numbers for all the items discussed below are identified on the Key Sheet of the construction plans.

- Drainage Patterns: All drainage patterns are shown on the Grading & Drainage Plans.
- Approximate Slopes: Approximate slopes are shown on the Grading & Drainage Plan. Pond side slopes are shown on the pond cross-sections.
- Areas of Soil Disturbance: All demolition is shown on the Existing Site Conditions and Demolition and Erosion Control Plan Sheet. All proposed construction is shown on the remaining plans. Any areas where demolition work or permanent features are shown above or below ground will be disturbed.

- Areas not to be Disturbed: Any areas not showing demolition work or permanent features are assumed not to be disturbed. It will be the contractor's responsibility to indicate on the plans any of these areas that do get disturbed as well as any areas used for staging and materials storage.

- Locations of Controls: All proposed temporary controls and existing permanent controls are shown on the Existing Site, Demolition and Erosion Control Plan. All proposed permanent controls are shown on the remaining plans. It will be the contractor's responsibility to indicate the location of any other controls on the plans that are used during construction.

- Areas to be Stabilized: Permanent stabilization is shown on the plans. It will be the contractor's responsibility to indicate the location on the plans of all temporary stabilization practices used during construction.

- Surface Waters: N/A

- Discharge Points: On-Site Wetlands

2.6 Receiving Waters:

N/A

3.0 CONTROLS:

3.1 Erosion and Sediment Controls:

All erosion and sediment controls specified on the Demolition and Erosion Control Plan Sheets, and the Erosion Control Details shall be installed prior to any construction or demolition. Silt fencing and staked hay bales shall be installed along down-gradient limits.

Temporary seeding and mulching shall be applied after 14-day intervals of ceased disturbance activities that will exceed 20-day periods. Graded areas shall be stabilized with permanent seeding, mulching, and fertilizing, or sodding within five days of final grading. Landscaping, including sodding, shall be installed by an experienced Landscape Contractor. Proposed disturbed areas will not exceed 8 acres in any drainage area.

3.2 Stormwater Management:

Proposed stormwater management facilities for this site include:
Wet retention pond for the entire property.

The proposed stormwater management facilities meet all stormwater treatment requirements and all rate control requirements set forth by the local and state regulatory agencies.

3.3 Other Controls:

Waste Disposal: The contractor is responsible for all waste disposal from the site. The contractor shall employ waste disposal practices that meet all local, state, and federal guidelines and prevent discharge of solid materials to waters of the United States. The Contractor is responsible for documenting this portion of the SWPPP.

Offsite Vehicle Tracking: If off site tracking of sediments by construction vehicles occurs, the contractor is required to install a Soil Tracking Prevention Device (STPD) as per FDOT Standard Index 106 at all exits to the site where sediment tracking is occurring. The Contractor is also responsible for documenting this portion of the SWPPP.

4.0 MAINTENANCE:

Controls shall be kept in full operating condition throughout all phases of construction until all disturbed areas are completely stabilized. Maintenance, repair records and repair requests shall be documented. Repairs and deficiencies shall be completed as soon as possible and within seven days after inspection. Any required changes that are not covered in the SWPPP shall also be made as soon as possible within seven days and documented.

5.0 INSPECTIONS:

Qualified personnel shall inspect the following items, but not limited to, at least once every seven calendar days and within 24 hours of the end of a storm that is 0.25 inches or greater. Where sites have been finally stabilized, inspections shall be conducted at least once every month.

- Points of discharge to waters of the United States.
- Points of discharge to municipal separate storm sewer systems.
- Disturbed areas of the site that have not been finally stabilized.
- Areas used for storage of materials that are exposed to precipitation.
- Structural controls.
- Stormwater management systems.
- Locations where vehicles enter or exit the site.

6.0 NON-STORMWATER DISCHARGES:

The Contractor shall be responsible for reporting any hazardous substance spills that may equal or exceed a Reportable Quantity (RQ). Refer to EPA's List of Hazardous Substances and Reportable Quantities (EPA 40 CFR 302.4 & 117). This list can be obtained from EPA's website (www.epa.gov) or by contacting EPA. If an RQ release does occur the Contractor shall perform the following procedures:

- Notify the National Response Center immediately at 800-424-8802.
- Provide written description of the release within 14 days providing dates, cause and prevention methods to the regional EPA office.
- Modify the SWPPP as necessary to address added prevention methods.

7.0 IMPLEMENTATION CHECKLIST:

7.1 Records:

The Contractor shall maintain records of construction activities including, but not limited to:

- Dates when major grading activities occur.
- Dates when construction activities temporarily cease on a portion of the site.
- Dates when construction activities permanently cease on a portion of the site.
- Dates when stabilization measures are initiated on the site.

7.2 Inspection Reports:

The Contractor shall prepare inspection reports summarizing the following, but not limited to:

- Name of inspector.
- Qualifications of inspector.
- Measures/areas inspected.
- Observed conditions.
- Changes necessary to the SWPPP.

7.3 Releases of Reportable Quantities of Oil or Hazardous Materials:

The Contractor shall report any releases of reportable quantities of oil or hazardous materials if they occur as per the measures outlined in Section 6.0 of the SWPPP.

7.4 SWPPP Modification:

The Contractor shall modify the SWPPP as necessary to:

- Comply with minimum permit requirements when notified by FDEP that the plan does not comply.
- Address any changes in design, construction operations or maintenance, which has an effect on the potential for discharge of pollutants.
- Prevent reoccurrence of reportable quantity releases of hazardous material or oil.

8.0 TERMINATION CHECKLIST:

The following items shall be complete before submitting the NOT:

- All soil disturbing activities are complete.
- Temporary erosion and sediment control measures have been removed or will be removed at an appropriate time.
- All areas of the construction site not otherwise covered by permanent pavement or structure have been stabilized with uniform perennial vegetative cover with a density of 70% or equivalent measures have been employed.



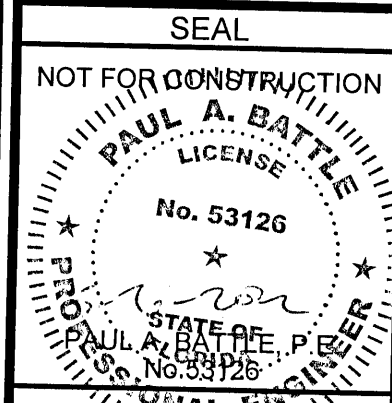
REBOL-BATTLE & ASSOCIATES
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NPDES - STORMWATER
POLLUTION PREVENTION
PLAN

BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

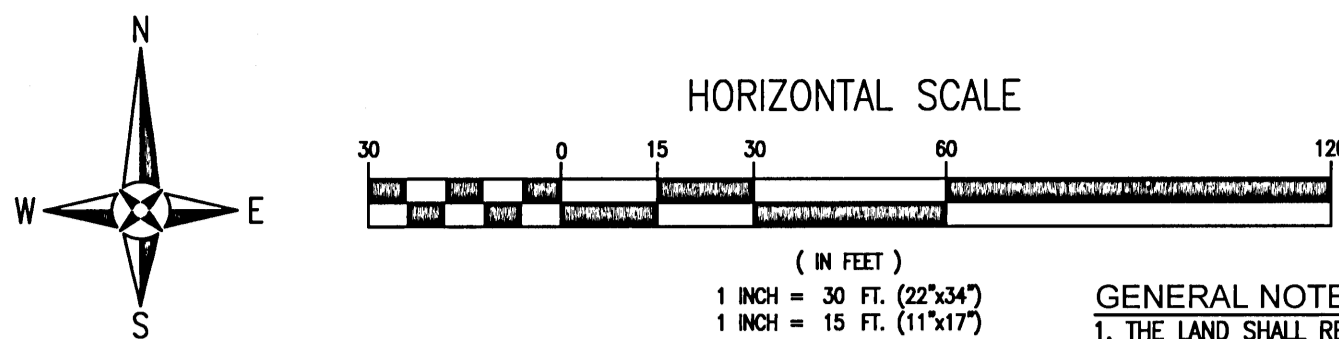
No.	DATE	REVISION



Dr. By: AKM
Ck By: PAB
Job No.: 2020.246
Date: 05/06/2022

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C1.2



LEGEND

[Pattern]	EXISTING ASPHALT
[Pattern]	EXISTING CONCRETE
[Pattern]	EXISTING GRAVEL
[Pattern]	PROPOSED ASPHALT
[Pattern]	PROPOSED CONCRETE
[Pattern]	RIPRAP
[Pattern]	BOUNDARY LINE
[Pattern]	EASEMENT LINE
[Pattern]	EXISTING RIGHT-OF-WAY

LAND DISTURBING NOTE

ANY LAND DISTURBING ACTIVITIES, INCLUDING THE PLACEMENT OF FILL/FILL MATERIALS, GRADING, EXCAVATING, ETC. SHALL NOT OCCUR UNTIL SUCH TIME AS APPROPRIATE PERMIT(S) ARE ISSUED FOR THE PROPOSED WORK.

EVACUATION NOTE:

ALL LANES MUST BE OPEN FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE LOCAL MAINTENANCE ENGINEER OR HIS DESIGNEE.

AREA CALCULATIONS:

TOTAL PROPERTY AREA = 130,893 SF

EXISTING BUILDING AREA = 0 SF
EXISTING IMPERVIOUS AREA = 0 SF (0%)
EXISTING SEMI-IMPERVIOUS AREA = 0 SF (0%)
EXISTING PERVIOUS AREA = 130,893 (100%)

PROPOSED BUILDING AREA (FOOTPRINT) = 20,400 SF
PROPOSED SEMI-IMPERVIOUS AREA = 0 SF (0%)
PROPOSED IMPERVIOUS AREA = 18,694 SF

TOTAL IMPERVIOUS AREA = 39,094 (30%)
TOTAL SEMI-IMPERVIOUS AREA = 0 SF (0%)
TOTAL PERVIOUS AREA = 91,799 SF (70%)

PARKING CALCULATIONS:

TOTAL REQUIRED PARKING SPACES
WAREHOUSE (0.5 SPACES/1,000 SF)
18,195 SF * 0.5/1,000 = 9 SPACES
PROFESSIONAL SERVICE OFFICE (3.5 SPACES/1,000 SF)
2,205 SF * 3.5/1,000 = 8 SPACES

TOTAL PARKING SPACES REQUIRED = 17
TOTAL PARKING SPACES PROVIDED = 20
STANDARD PARKING SPACES = 19
H.C. PARKING SPACES = 1 H.C.

SOLID WASTE DISPOSAL:

SOLID WASTE WILL BE DISPOSED OF VIA ON-SITE DUMPSTER.

FLOOD ZONE NOTE:

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE 'X', (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND 2-PERCENT-ANNUAL-CHANGE FLOOD PLAINS. NO BFEs OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED FROM THE FEDERAL EMERGENCY 120080, FIRM MAP PANEL NUMBER 12033C03556, MAP REVISION DATED SEPTEMBER 29, 2006.

EXTERIOR SITE LIGHTING NOTE:

ALL EXTERIOR SITE LIGHTING SHALL ADHERE TO THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE (SECTION 5-9.3).

NOTES:

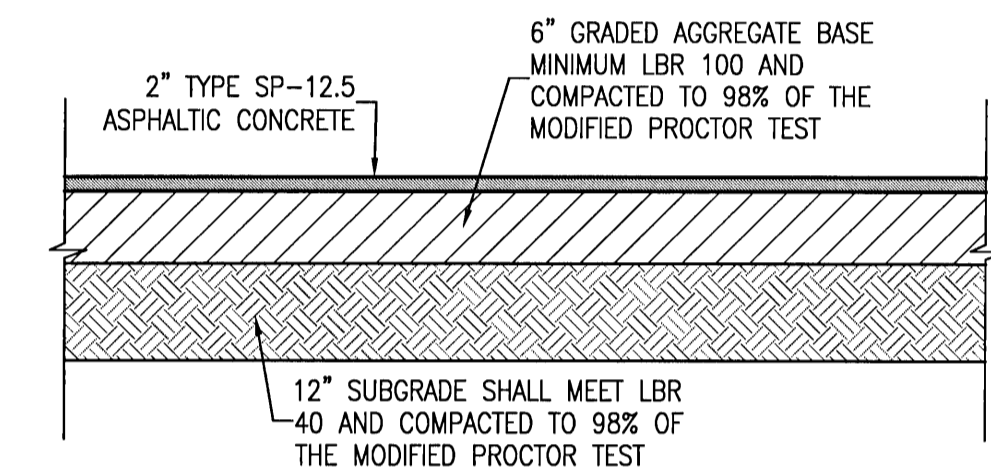
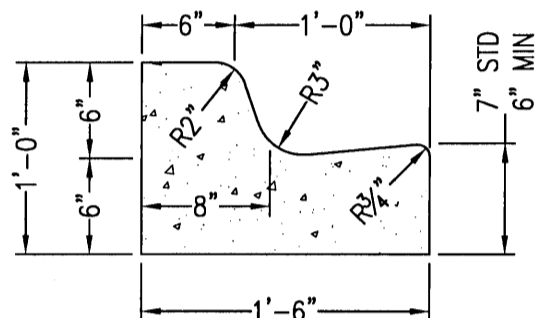
1. WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

2. ALL CURB TO HAVE DUMMY JOINT AT 10' ON CENTER. MIN. DEPTH OF JOINT TO BE 2".

3. EXPANSION JOINTS ARE TO BE 30' ON CENTER. TYPICAL FOR ALL CURB.

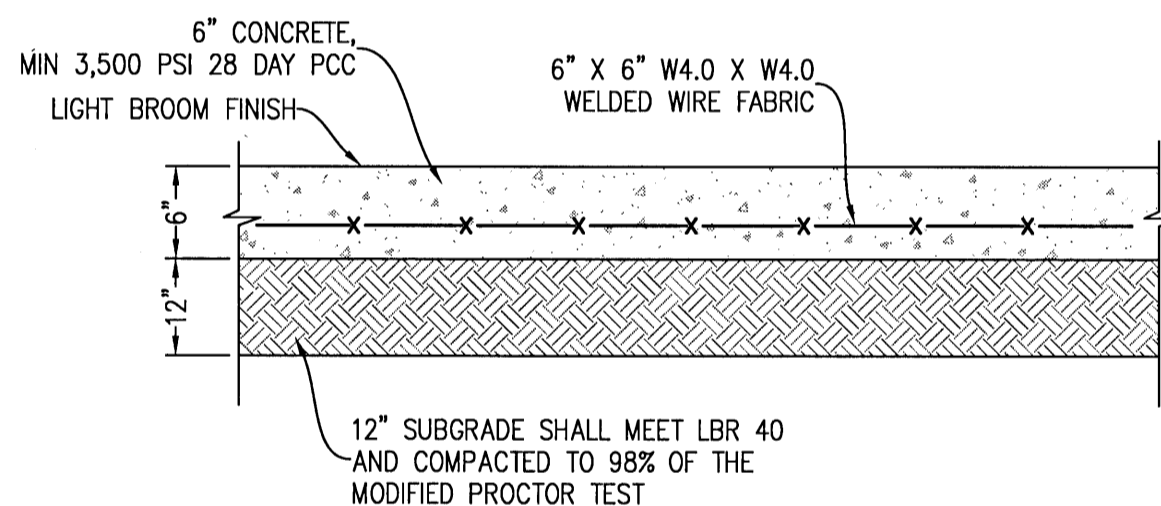
MODIFIED TYPE 'F'
CURB & GUTTER

N.T.S.



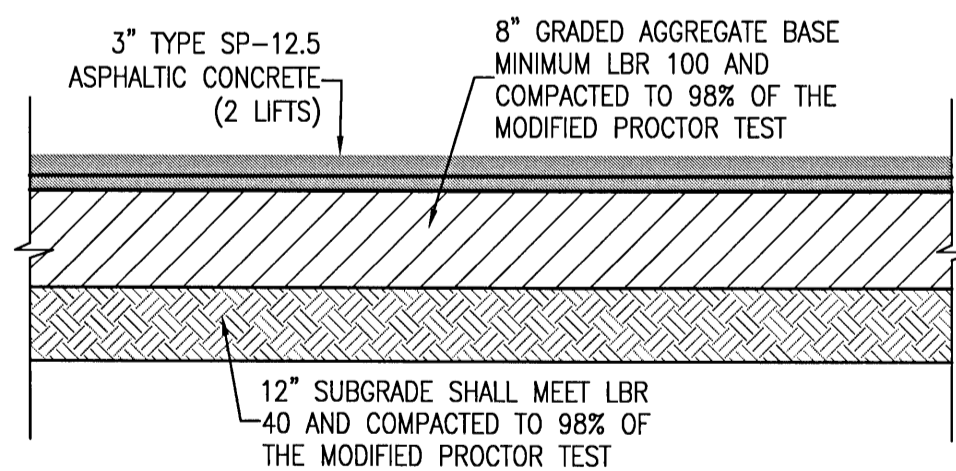
ON-SITE ASPHALT PAVEMENT DETAIL

N.T.S.



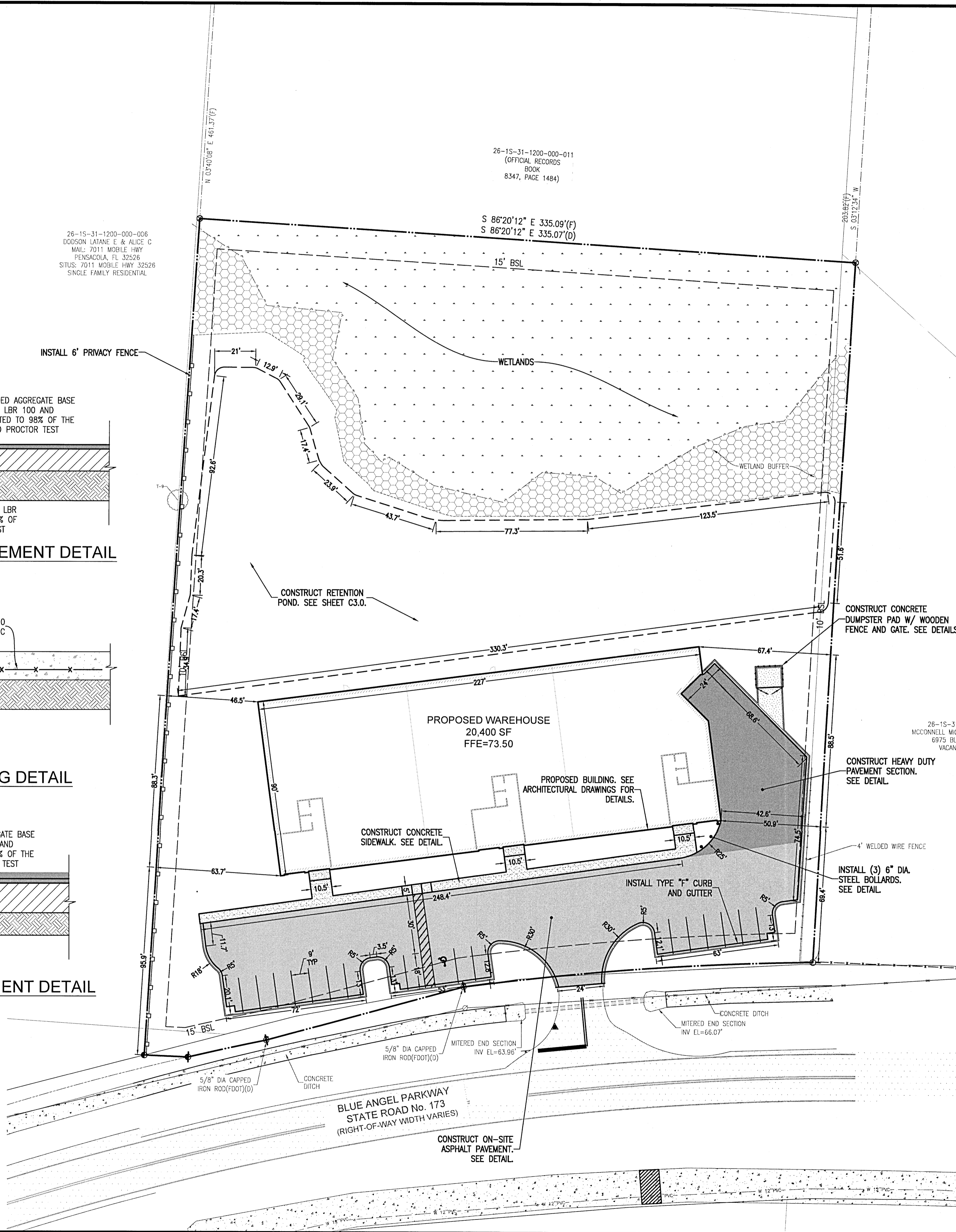
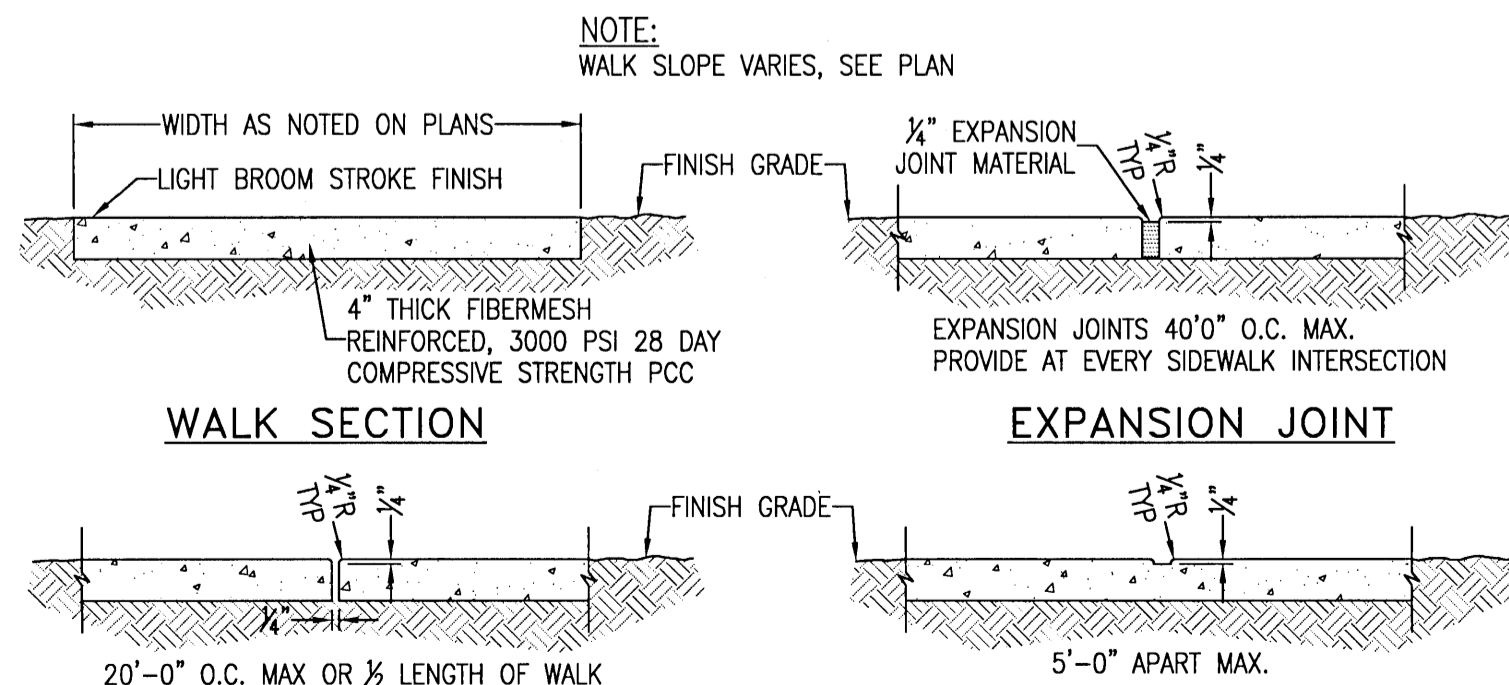
CONCRETE PAVING DETAIL

N.T.S.



HEAVY DUTY ASPHALT PAVEMENT DETAIL

N.T.S.



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SITE LAYOUT &
DIMENSION PLAN

BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

No.	DATE	REVISION

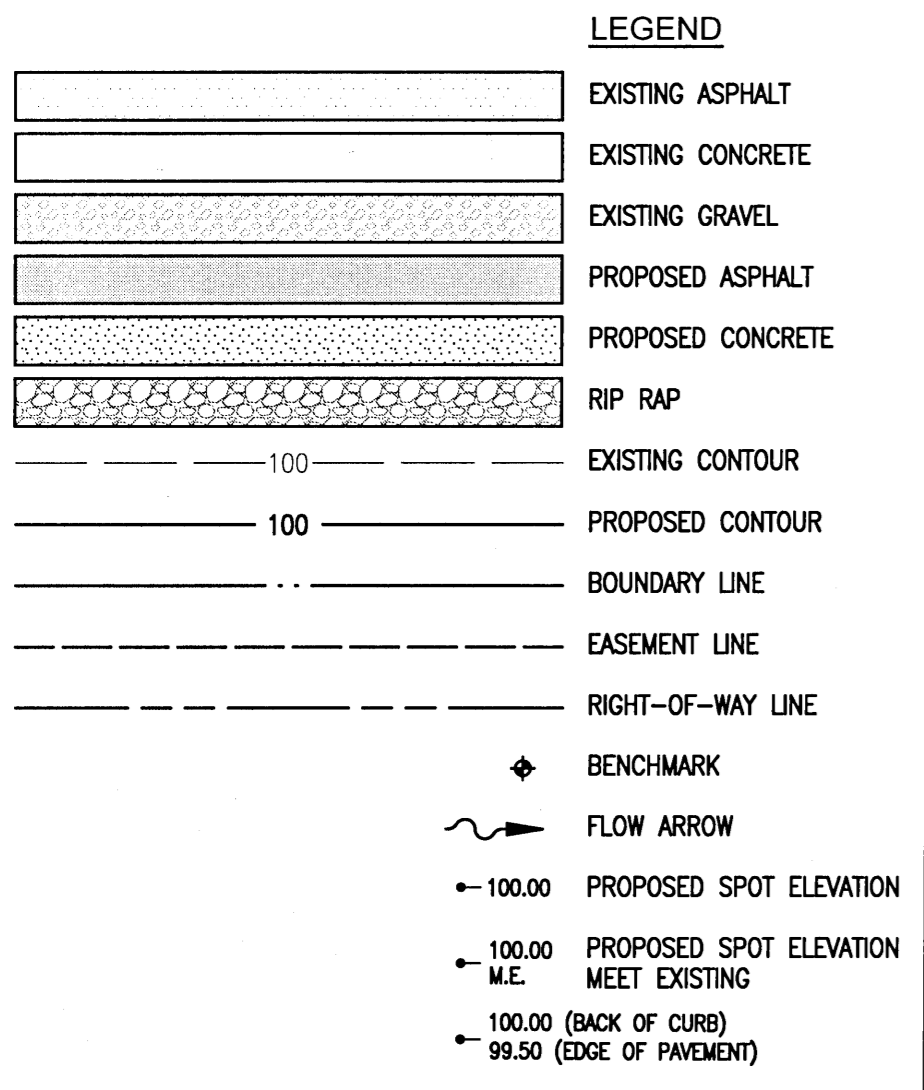
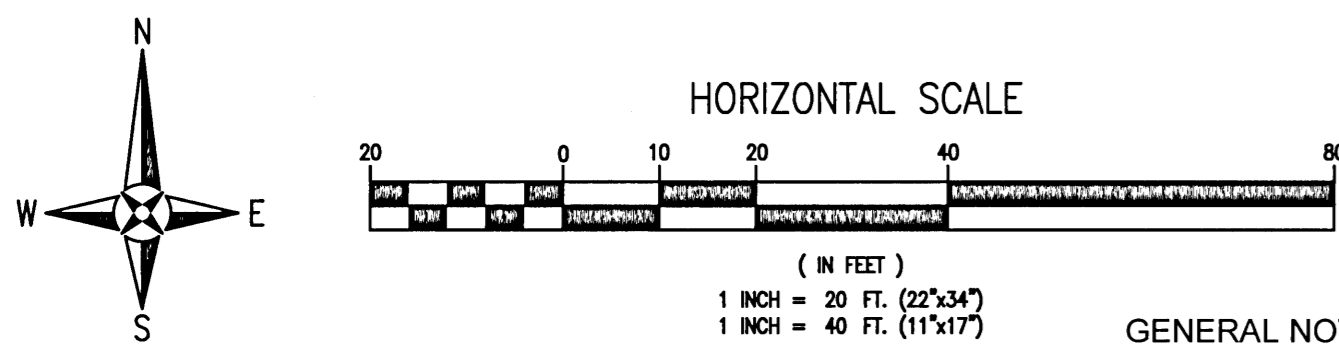
SEAL
NOT FOR CONSTRUCTION
PAUL A. BATTLE
LICENSE
No. 53126
STATE OF FLORIDA
Professional Engineer

Dr. By: AKM
Ck By: PAB
Job No.: 2020.246
Date: 05/06/2022

DRAWING No.

C2.0

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TREE PROTECTION NOTES:

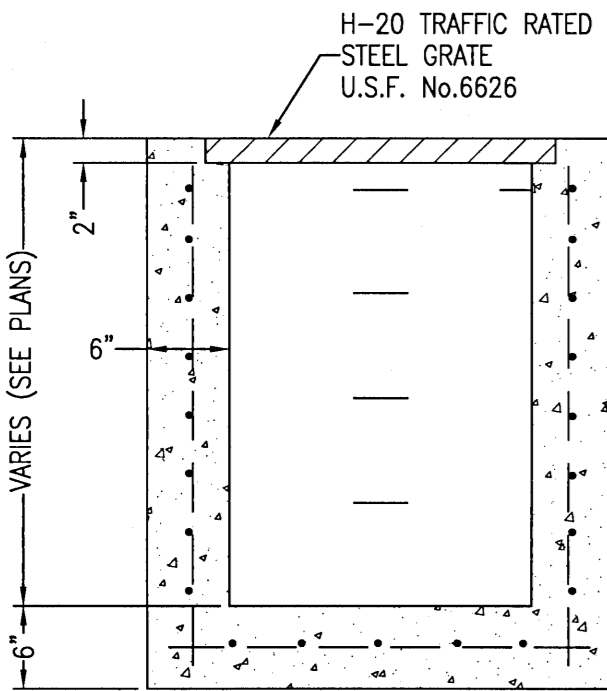
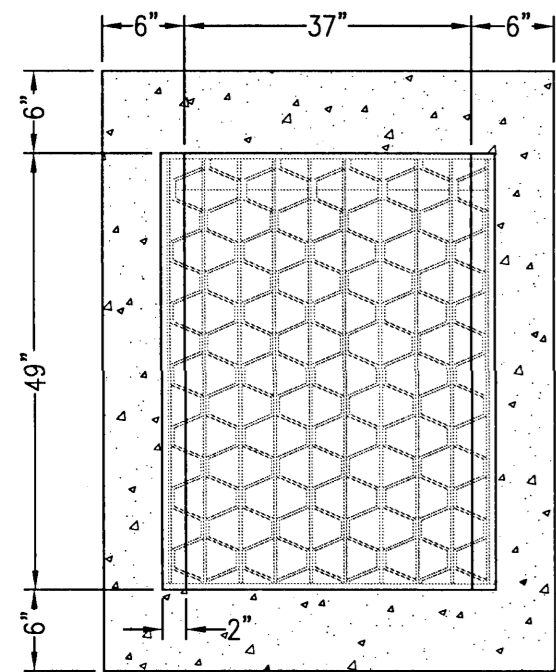
1. NO UN-PERMITTED GRADING OR CLEARING BY HEAVY EQUIPMENT SHOULD HAPPEN UNDER THE DRIPLINE OF PROTECTED TREES ON SITE.

2. STORAGE OF HEAVY EQUIPMENT SHALL NOT OCCUR UNDER THE DRIPLINE OF PROTECTED TREES ON SITE.

3. NO PROTECTED TREES INDICATED FOR PRESERVATION SHALL BE REMOVED, DESTRUCTIVELY DAMAGED, MUTILATED, RELOCATED, DISFIGURED, DESTROYED, CUT DOWN OR EXCESSIVELY PRUNED.

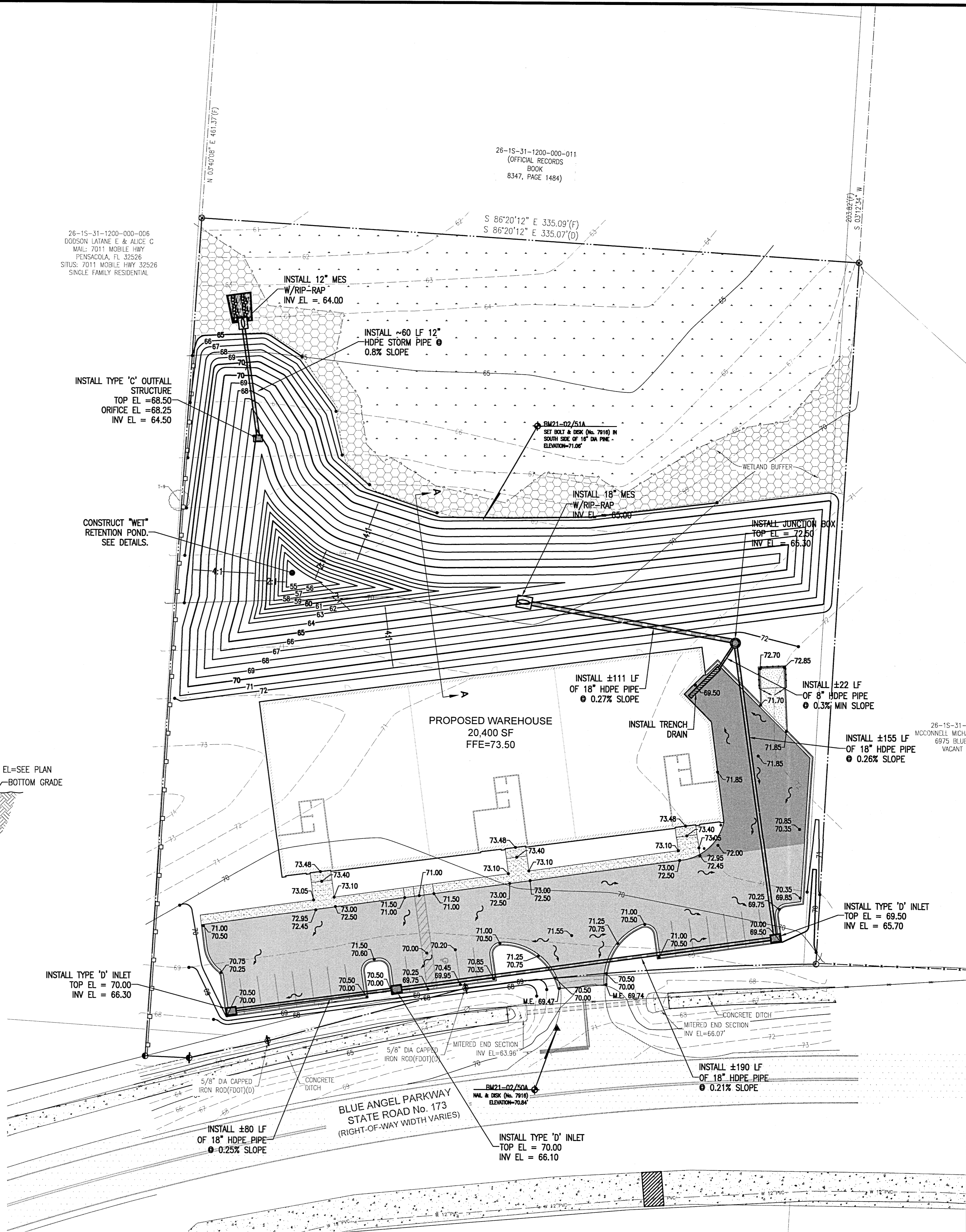
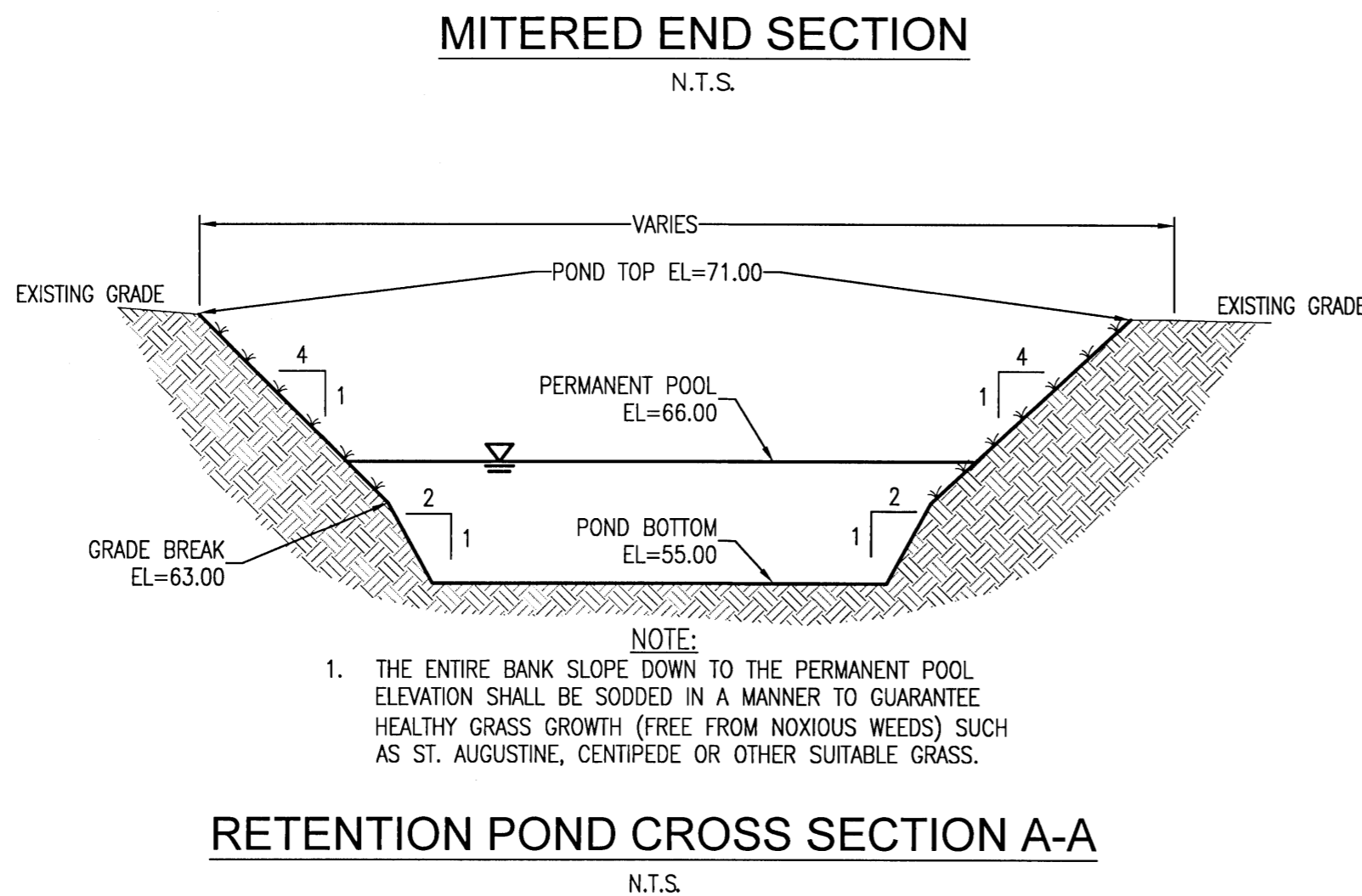
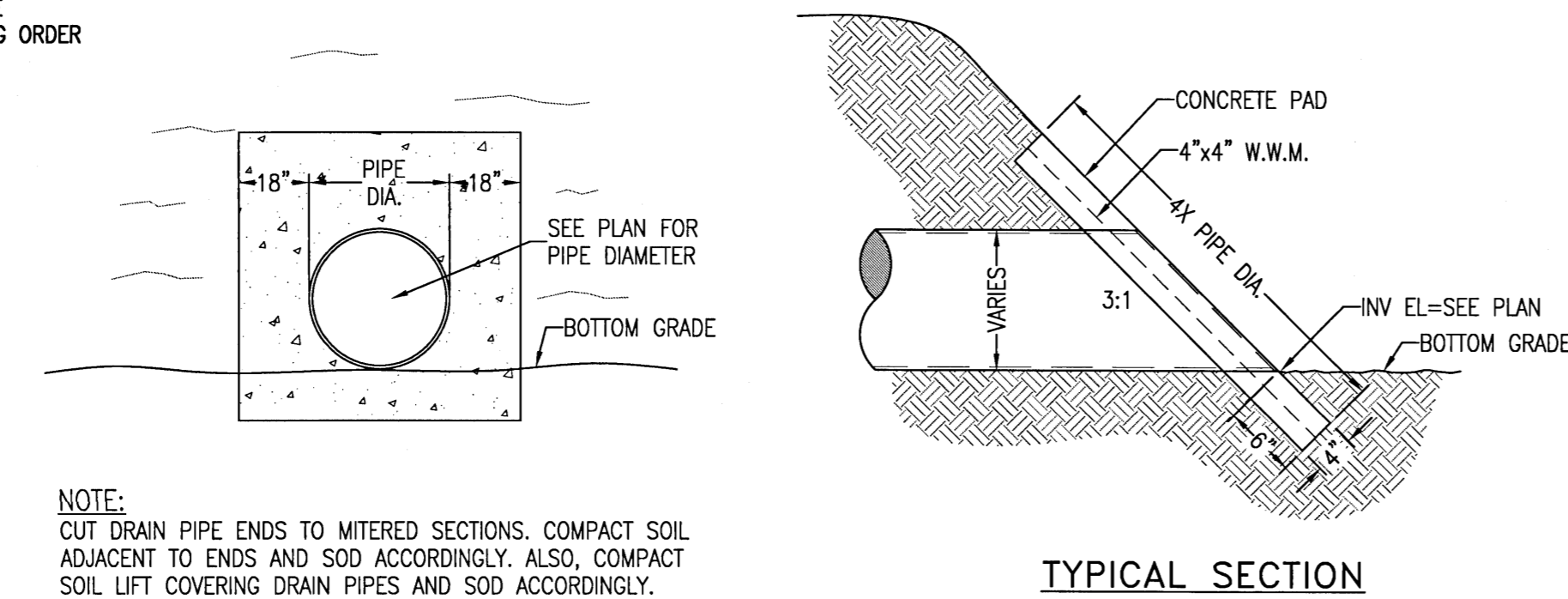
4. FOR VIABILITY OF PROTECTED TREES REMAINING ON SITE, THE ROOTS OF 1" DIAMETER OR GREATER SHALL BE CUT CLEANLY WITH APPROPRIATE EQUIPMENT. DO NOT USE EQUIPMENT THAT PULLS AND SHATTERS ROOTS (E.G. BACKHOE). ROOTS SHALL BE PRUNED TO A DEPTH OF 18" BELOW THE EXISTING GRADE OR TO A DEPTH OF DISTURBANCE IF LESS THAN 18" FROM EXISTING GRADE.

5. ALL ADEQUATE TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND SITE BECOMES STABILIZED.



FDOT TYPE 'D' INLET
N.T.S.

- GENERAL NOTES:
1. THE LAND SHALL REMAIN VEGETATED AND IN ITS NATURAL STATE UNTIL SUCH TIME AS DRC SITE PLAN AND ANY ADDITIONAL SITE WORK PERMITTING APPROVALS ALLOW FOR SUCH, PER CODE. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL MATERIALS, OR OTHER "LAND DISTURBING ACTIVITIES," ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES OF CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. THE RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING A FINAL INSPECTION.
4. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY.
5. ALL DISTURBED AREAS NOT SHOWN TO BE SODDED OR PAVED SHALL BE SEEDED, MULCHED AND FERTILIZED.
6. ALL NEW BUILDING ROOF DRAINS, DOWN SPOUTS, OR GUTTERS SHALL BE ROUTED TO CARRY ALL STORMWATER TO RETENTION/DETENTION AREAS.
7. ALL RIP-RAP FLUMES SHALL BE INSTALLED WITH FILTER FABRIC INSTALLED UNDERNEATH FOR THE ENTIRE AREA OF THE RIP-RAP.
8. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
9. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHT-OF-WAY.
10. 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 MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATION(S).
11. ALL 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.
12. NOTIFY SUNSHINE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN RIGHT-OF-WAY. (1-800-432-4770)
13. THE OPERATION AND MAINTENANCE OF THE FACILITY WILL BE THE RESPONSIBILITY OF THE OWNER, AS IN ACCORDANCE WITH THE APPROVED PERMIT.
14. DEVELOPER/CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO REQUEST FOR INSPECTION.



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GRADING & DRAINAGE
PLAN

BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

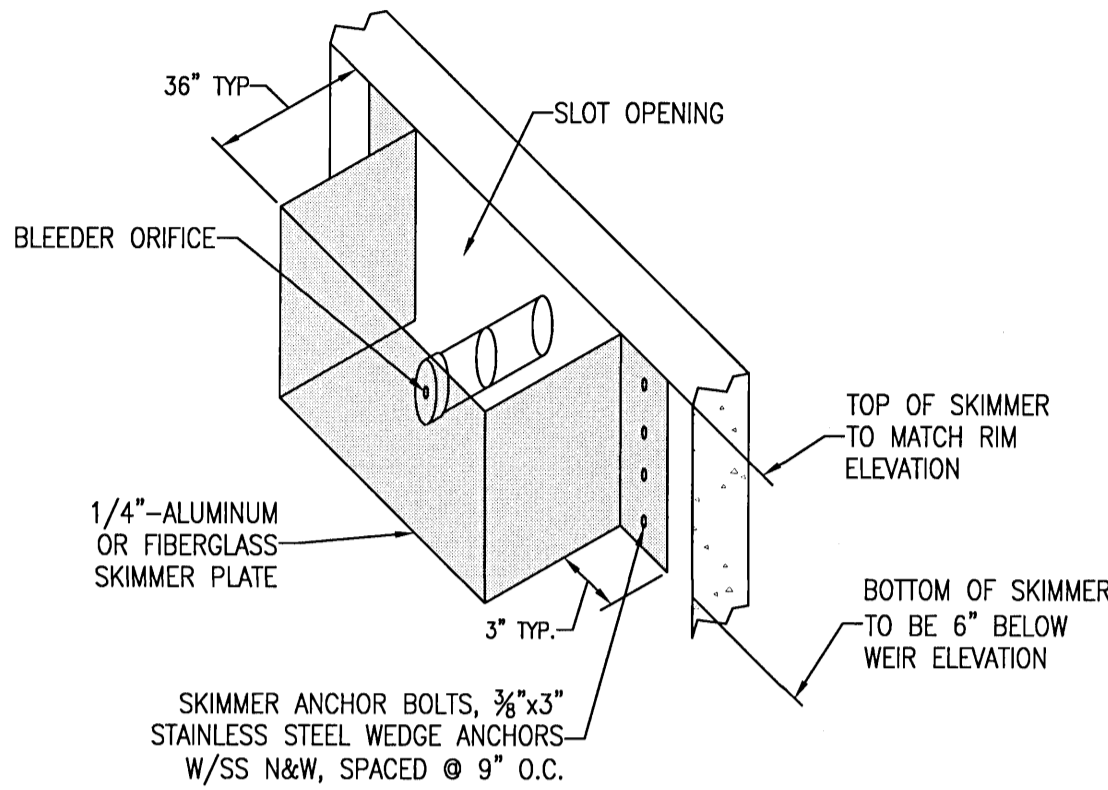
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STATE OF
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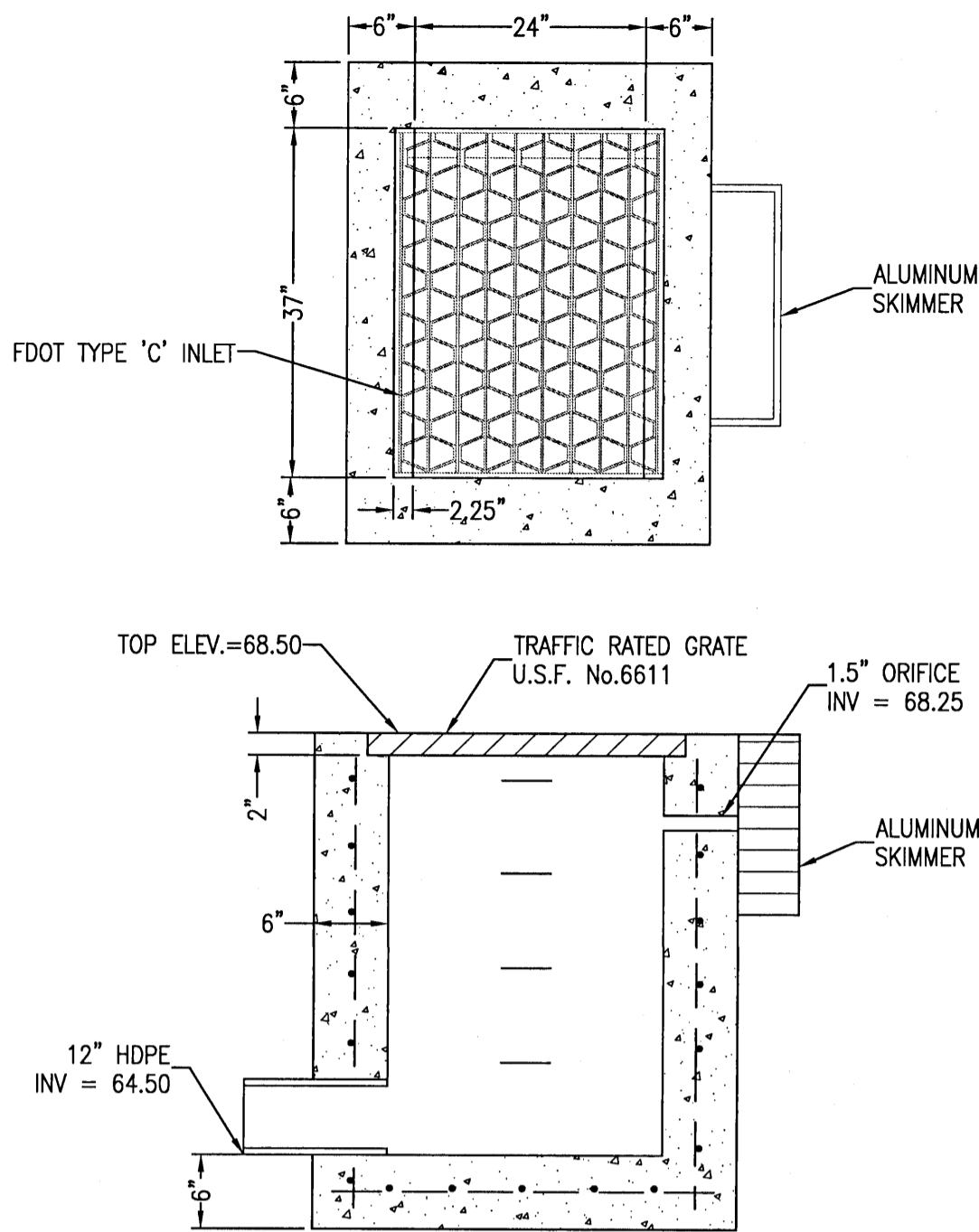
Dr. By: AKM
Ck By: PAB
Job No.: 2020.246
Date: 05/06/2022

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PA 2020.02103.046 05/06/2022 BLUE ANGEL CENTER 6881 N BLUE ANGEL PARKWAY ESCAMBIA COUNTY, FLORIDA



ALUMINUM SKIMMER DETAIL
N.T.S.



OUTFALL STRUCTURE DETAIL
N.T.S.

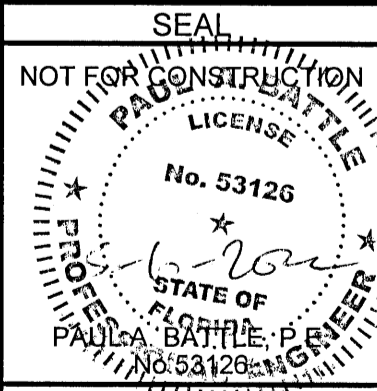
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GRADING & DRAINAGE
DETAILS

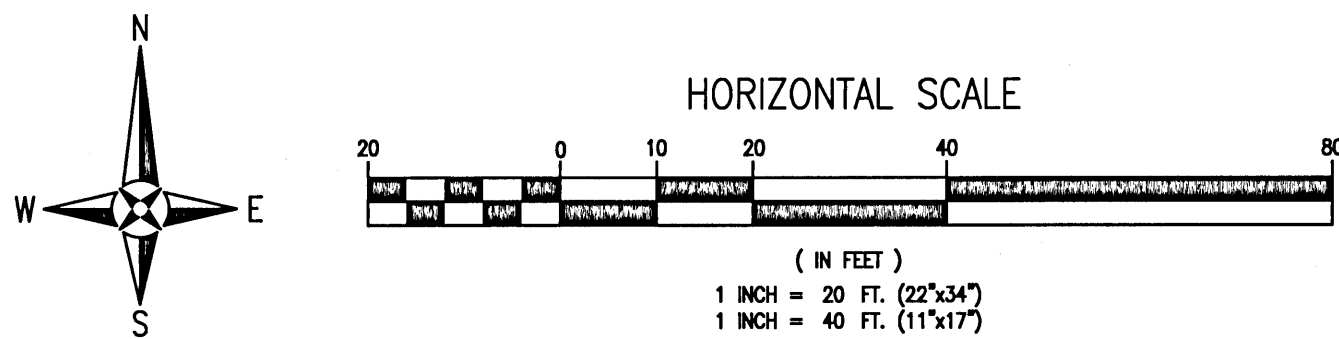
BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

No.	DATE	REVISION

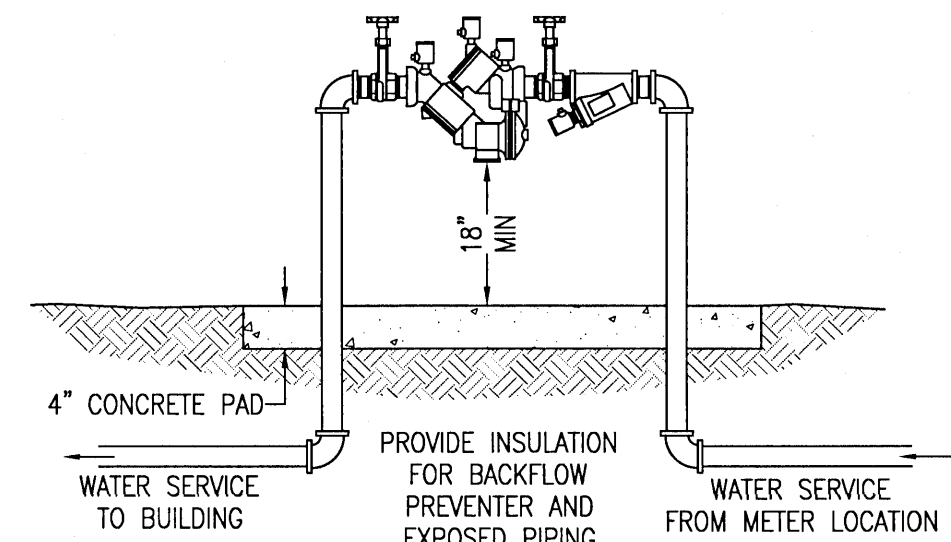


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Date: 05/06/2022

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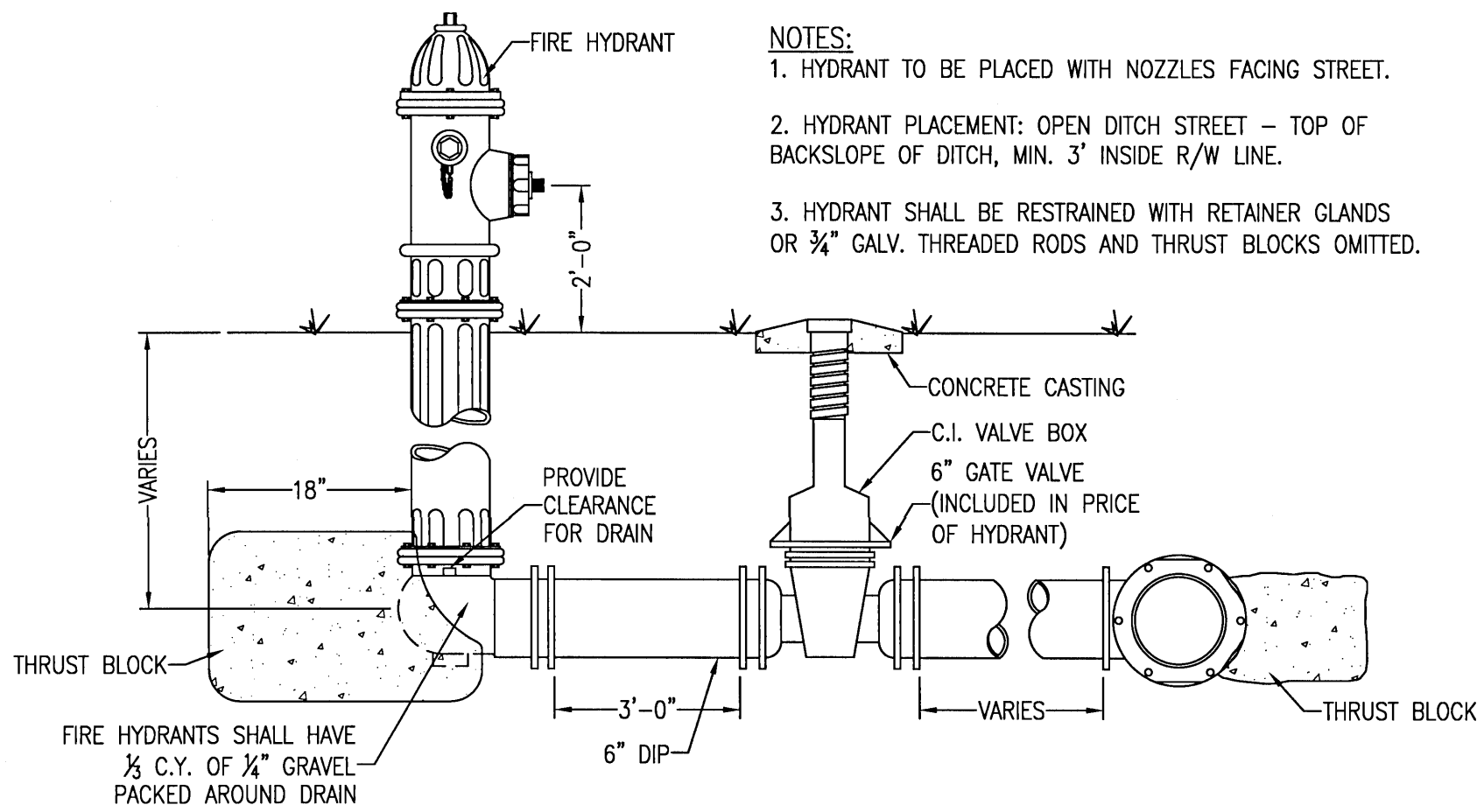
LEGEND	
	EXISTING ASPHALT
	EXISTING CONCRETE
	EXISTING GRAVEL
	PROPOSED ASPHALT
	PROPOSED CONCRETE
	RIPRAP
	EXISTING CHAIN LINK FENCE
	EXISTING WOODEN FENCE
	BOUNDARY LINE
	EASEMENT LINE
	LOT LINE
	RIGHT-OF-WAY LINE
	WATER LINE
	SEWER LINE (GRAVITY)
	FORCE MAIN
	OVERHEAD UTILITIES
	BURIED TELEPHONE LINE
	GAS LINE
	BURIED ELECTRIC LINE
	BURIED FIBER OPTIC CABLE
	BURIED TV LINE
	BENCHMARK
	UTILITY POLE
	GUY ANCHOR
	LIGHT POLE
	TELEPHONE BOX
	GAS VALVE
	FIRE HYDRANT
	WATER METER
	WATER VALVE
	CLEANOUT
	SEWER MANHOLE
	STORMWATER MANHOLE



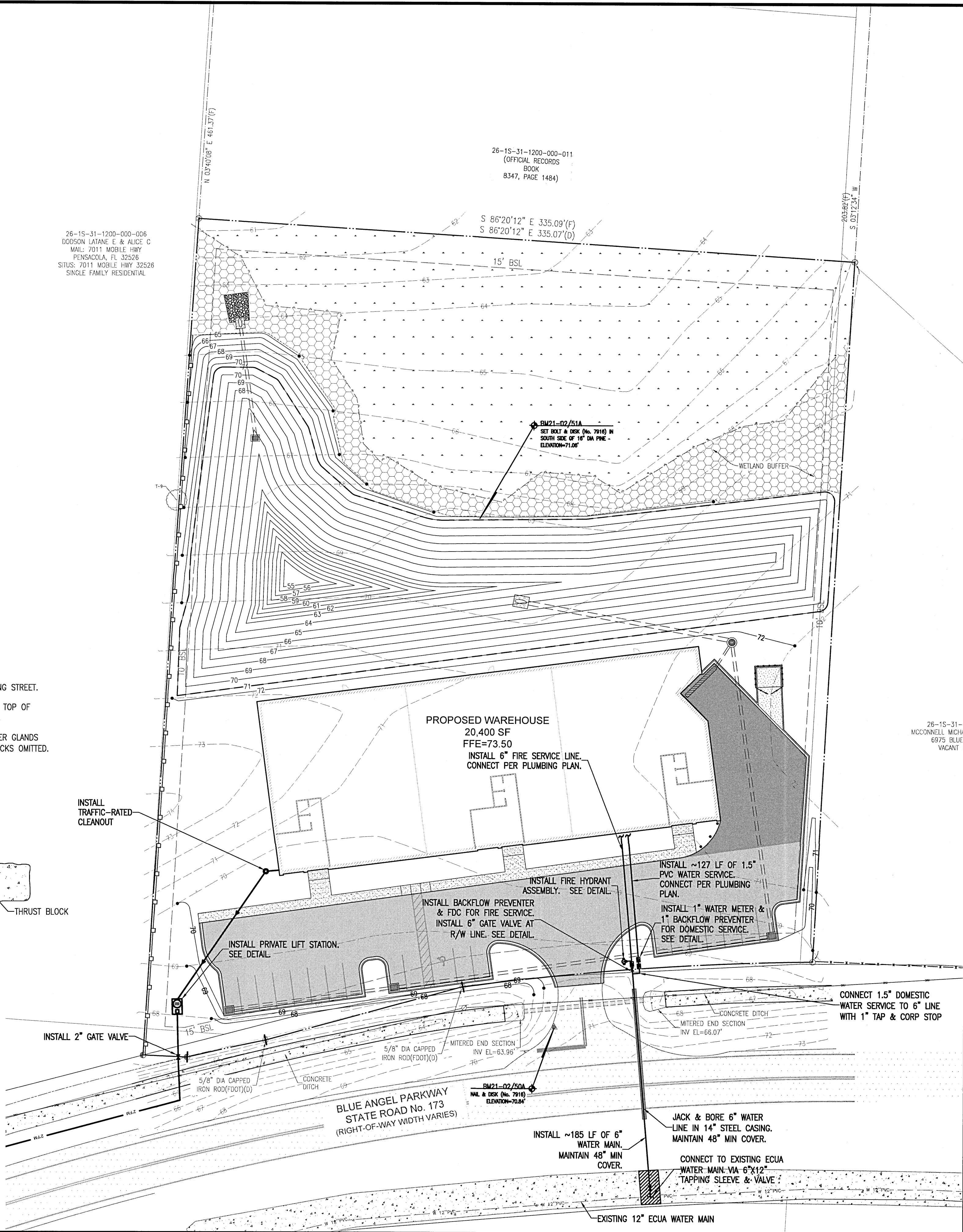
ECUA APPROVED
REDUCED PRESSURE PRINCIPLE
BACKFLOW PREVENTION ASSEMBLY
N.T.S.

UTILITY NOTES:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES AND TO DETERMINE IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK AND TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION.
- THE CONTRACTOR SHALL COORDINATE WITH ECUA, GULF POWER, OR ANY OTHER UTILITY COMPANIES HAVING JURISDICTION FOR REMOVAL/RELOCATION AND/OR PROTECTION OF EXISTING UTILITY POLES, AERIAL LINES, FIRE HYDRANTS, AND OTHER UTILITIES AS NECESSARY TO COMPLETE CONSTRUCTION.
- ALL NEW WATER LINES SHALL BE CLEANED, DISINFECTED, PRESSURE TESTED, AND BACTERIOLOGICALLY CLEANED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES AND REGULATIONS.
- ALL WATER MAINS SHALL BE NSF APPROVED FOR POTABLE WATER USE.
- MAINTAIN 18 INCH MINIMUM VERTICAL SEPARATION BETWEEN ALL POTABLE WATER MAINS AND SANITARY SEWER GRAVITY LINES. (WATER ABOVE SEWER).
- THE TOP OF ALL CLEANOUTS SHALL BE FLUSH WITH THE PAVEMENT OR, WHEN NOT IN THE PAVEMENT, FLUSH WITH THE FINISH GRADE. CONNECTION POINTS FOR UTILITIES SHALL BE CLEARLY MARKED FOR FUTURE BUILDING CONNECTION. COORDINATE WITH THE PLUMBING CONTRACTOR.
- ALL WATER AND SEWER WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ECUA ENGINEERING MANUAL.
- ADEQUATE PROVISIONS SHALL BE MADE FOR THE FLOW OF SEWERS, DRAINS AND WATER COURSES ENCOUNTERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES 72 HOURS (3 BUSINESS DAYS) PRIOR TO BEGINNING CONSTRUCTION.
- ALL NEW WATER AND SEWER SERVICE LINES SHALL HAVE A MINIMUM COVER OF 30 INCHES (MAXIMUM 36"), UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS TO RESTORE ALL DISTURBED RIGHTS-OF-WAY IN ACCORDANCE WITH CITY OF PENSACOLA AND THE ECUA GUIDELINES.
- THE CONTRACTOR SHALL COORDINATE WITH THE PLUMBING CONTRACTOR FOR BUILDING UTILITY CONNECTIONS.
- ALL CONNECTIONS TO THE ECUA WATER AND SEWER SYSTEM SHALL BE MADE WITH ECUA PERSONNEL PRESENT.
- ANY REMOVAL OR RELOCATION OF ECUA WATER/SEWER UTILITIES MUST BE APPROVED IN WRITING PRIOR TO THE WORK BEING DONE.



FIRE HYDRANT DETAIL
N.T.S.



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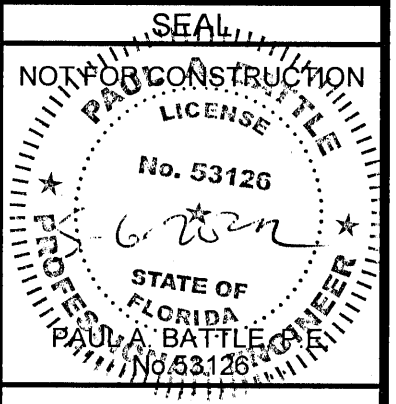
Civil Engineers and Surveyors

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UTILITY PLAN

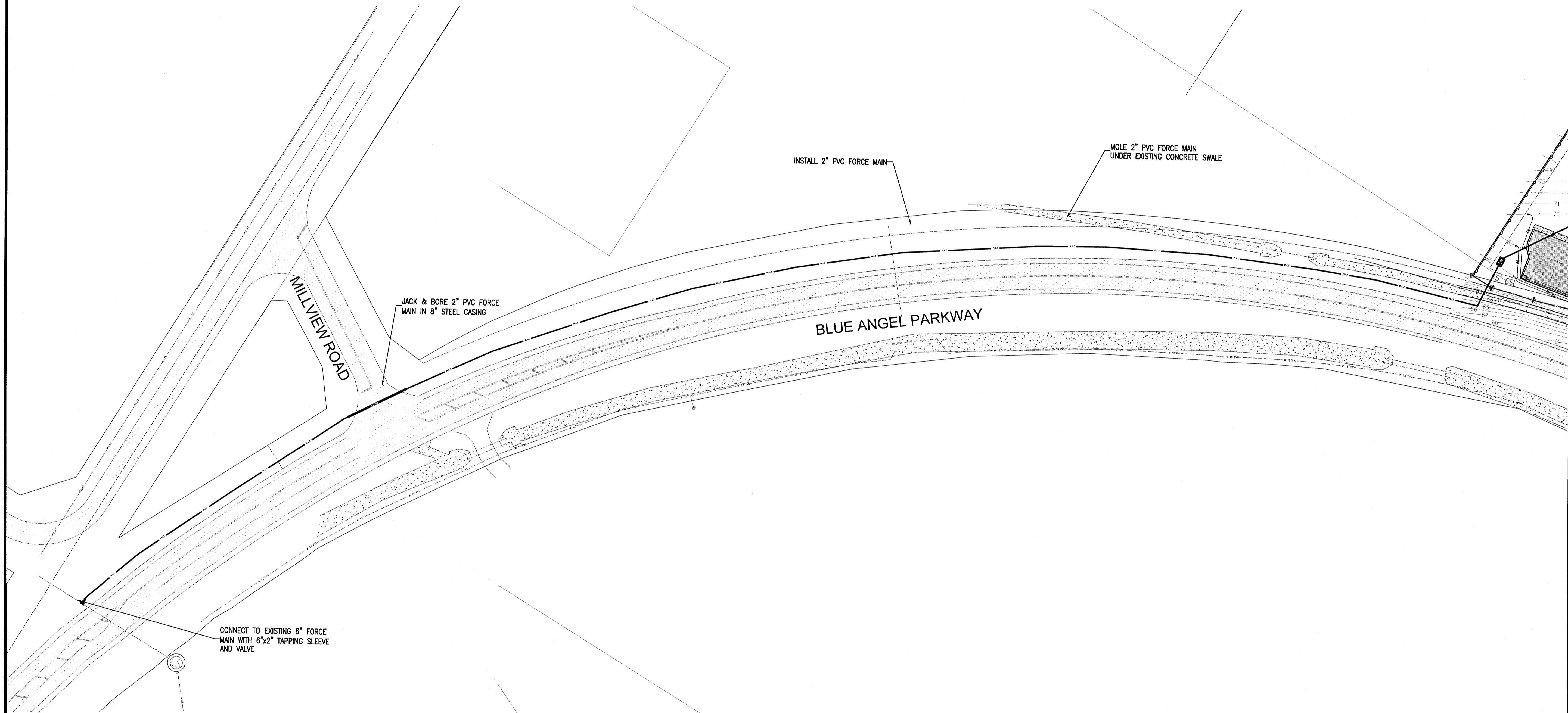
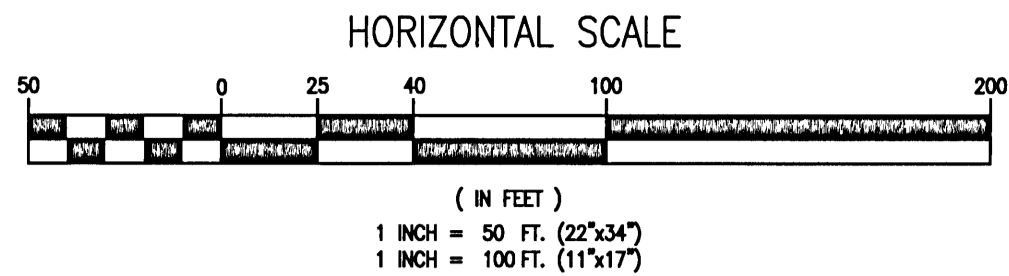
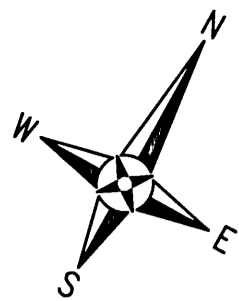
BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

No.	DATE	REVISION



Dr. By: AKM
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Job No.: 2020.246
Date: 05/06/2022

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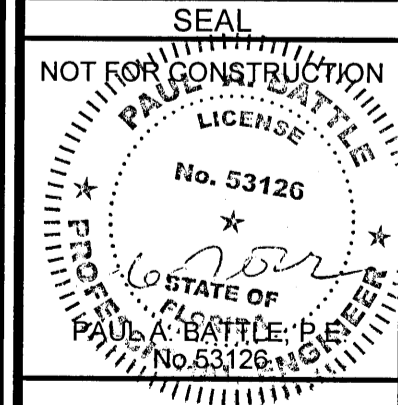


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**OFFSITE FORCE MAIN
CONNECTION**

BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

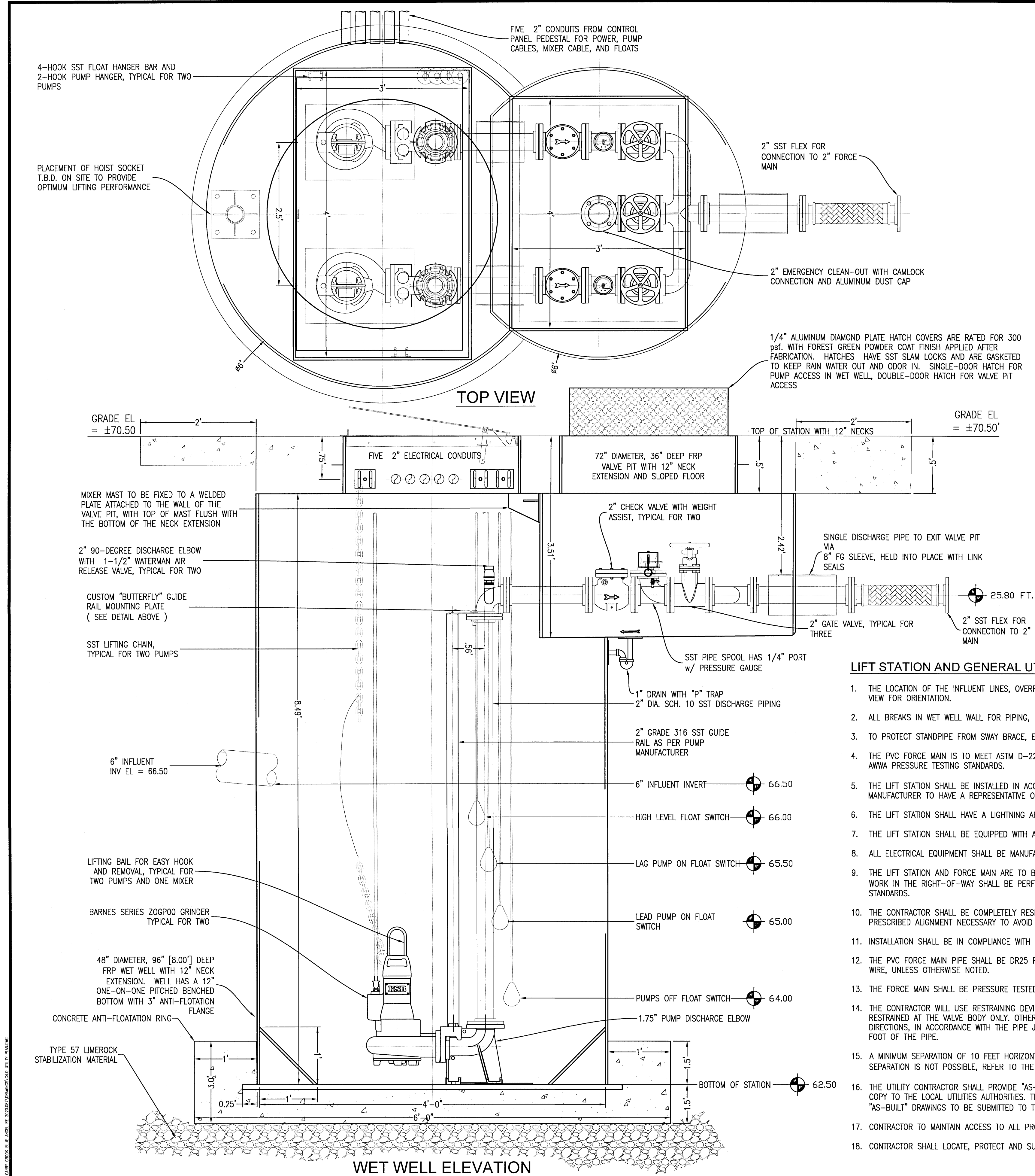
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NOTE: PUMP CONTROL PANEL MUST MEET DEP STANDARDS

NEMA 4X TYPE 304 STAINLESS STEEL DUPLEX PUMP CONTROL PANEL (36"H x 30"W x 10"D)

NEMA 4X TYPE 304 STAINLESS STEEL JUNCTION BOX (24"H x 30"W x 10"D)

ALUMINUM PEDESTAL HAS EXPANDED METAL DOOR FOR VENTILATION AND SST SLAM LOCK (DOOR SHOWN OPEN)

6" CONCRETE SLAB TO BE POURED AROUND THE ELECTRICAL CONDUITS

NOTES:

THE CONTROL PANEL SHALL BE MOUNTED ON A CONCRETE PAD LOCATED ADJACENT TO WET WELL, APPROX. 5 FT. FROM EDGE OF WET WELL.

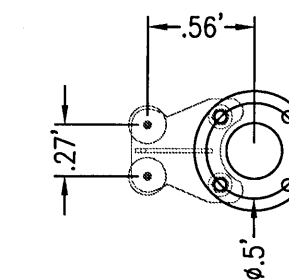
THE CONTROL PANEL AND JUNCTION BOX SHALL BE CONSTRUCTED FROM TYPE 304 STAINLESS STEEL WITH FOREST GREEN POWDER-COAT FINISH APPLIED AFTER FABRICATION.

THE PEDESTAL SHALL BE CONSTRUCTED FROM ALUMINUM WITH FOREST GREEN POWDER-COAT FINISH APPLIED AFTER FABRICATION.

FIVE 2" CONDUITS TO WET WELL FOR POWER, PUMP CABLES, MIXER CABLE, AND FLOATS

1" CONDUIT FOR THREE-WIRE SHIELDED CABLE TO FLOW METER

CONTROL PANEL / JUNCTION BOX / PEDESTAL DETAIL



BUTTERFLY MOUNTING PLATE DETAIL

LIFT STATION AND GENERAL UTILITY NOTES:

- THE LOCATION OF THE INFLUENT LINES, OVERFLOW CONTROL LINES, WATER SUPPLY, ETC. ARE DRAWN OUT OF ORIENTATION ON SECTIONAL VIEW. SEE PLAN VIEW FOR ORIENTATION.
- ALL BREAKS IN WET WELL WALL FOR PIPING, ELECTRICAL, ETC. SHALL BE SEALED AND SLEEVED AS NOTED.
- TO PROTECT STANDPIPE FROM SWAY BRACE, EITHER WRAP PIPE WITH RUBBER OR INSERT ALL U-BOLTS THROUGH RUBBER HOSE.
- THE PVC FORCE MAIN IS TO MEET ASTM D-2241, SDR 26 BELL TYPE JOINTS WITH RING TYPE NEOPRENE GASKETS. THE FORCE MAIN IS TO BE TESTED TO AWWA PRESSURE TESTING STANDARDS.
- THE LIFT STATION SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER TO HAVE A REPRESENTATIVE ONSITE DURING INSTALLATION.
- THE LIFT STATION SHALL HAVE A LIGHTNING ARRESTER INSTALLED BETWEEN EACH INCOMING POWER PHASE AND GROUND.
- THE LIFT STATION SHALL BE EQUIPPED WITH A RISER, GATE VALVE, QUICK-COUPLING AND CAP FOR STANDBY PUMPING CAPABILITIES.
- ALL ELECTRICAL EQUIPMENT SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH NEMA REQUIREMENTS AND LOCAL LAWS.
- THE LIFT STATION AND FORCE MAIN ARE TO BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND STATE PLUMBING CODES BY A LICENSED PLUMBER. ALL WORK IN THE RIGHT-OF-WAY SHALL BE PERFORMED BY A LICENSED UTILITY CONTRACTOR AND SHALL BE INSTALLED TO THE LOCAL UTILITY AUTHORITY'S STANDARDS.
- THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE LAYOUT OF THE LIFT STATION, GRAVITY SEWER, AND FORCE MAIN. ANY DEVIATION FROM THE PRESCRIBED ALIGNMENT NECESSARY TO AVOID CONFLICTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER OF RECORD.
- INSTALLATION SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE STATE PLUMBING CODE.
- THE PVC FORCE MAIN PIPE SHALL BE DR25 PER AWWA C900 OR SDR26 PER ASTM D2241 AND COLORED GREEN WITH 12 GAUGE GREEN INSULATED TRACER WIRE, UNLESS OTHERWISE NOTED.
- THE FORCE MAIN SHALL BE PRESSURE TESTED TO 100 PSI PRIOR TO CONNECTING TO EXISTING SYSTEM.
- THE CONTRACTOR WILL USE RESTRAINING DEVICES AT ALL MECHANICAL JOINTS INCLUDING FITTINGS, VALVES OR DEAD ENDS. IN-LINE VALVES SHALL BE RESTRAINED AT THE VALVE BODY ONLY. OTHER FITTINGS OR DEAD ENDS SHALL RECEIVE ADDITIONAL RESTRAINT AT ADJACENT PIPE JOINTS, IN BOTH DIRECTIONS, IN ACCORDANCE WITH THE PIPE JOINT RESTRAINT TABULATION IN THE PLANS. ALL RESTRAINT COST WILL BE INCLUDED IN THE UNIT PRICE PER FOOT OF THE PIPE.
- A MINIMUM SEPARATION OF 10 FEET HORIZONTALLY OR 18 INCHES VERTICALLY MUST BE MAINTAINED BETWEEN WATER AND SEWER LINES. IF THIS SEPARATION IS NOT POSSIBLE, REFER TO THE SEPARATION/CONFLICT DETAIL.
- THE UTILITY CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE SAME SCALE AS THESE CONTRACT DRAWINGS, ONE COPY TO THE ENGINEER AND ONE COPY TO THE LOCAL UTILITIES AUTHORITIES. THESE DRAWINGS SHALL LOCATE ALL SEWER APPURTENANCES CONSTRUCTED AS PART OF THIS PROJECT. FINAL "AS-BUILT" DRAWINGS TO BE SUBMITTED TO THE ENGINEER WITHIN 30 DAYS AFTER SUBSTANTIAL COMPLETION OF WORK.
- CONTRACTOR TO MAINTAIN ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES.
- CONTRACTOR SHALL LOCATE, PROTECT AND SUPPORT ALL UTILITIES AND SERVICE LATERALS.

PUMP DESIGN DATA

MANUFACTURER	BARNES
TYPE PUMP	GRINDER
MODEL NUMBER	ZOGP
CAPACITY (GPM-THD)	30 GPM @ 154.7'
IMPELLER SIZE AND NUMBER	N/A
DISCHARGE PIPE SIZE	2"
HP.-RATED RPM	2 HP / 3450 RPM
VOLT/PHASE	230 / 1 OR 3 (OWNER CHOICE)

WETWELL DATA

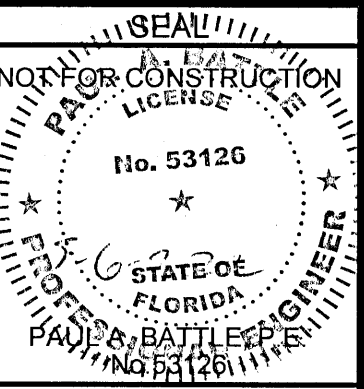
MANUFACTURER	AK INDUSTRIES
WET WELL DIAMETER	48"
WET WELL DEPTH	8.50'
INFLUENT DIA-EL	6"/66.50
FORCE MAIN DIAMETER-EL	2"/67.50
BOTTOM OF STATION EL	62.50
PUMPS OFF EL	64.00
LEAD PUMP ON EL	65.00
LAG PUMP ON EL	65.50
HIGH WATER ALARM EL	66.00
GROUND EL	70.50
TOP EL (WETWELL)	71.00

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UTILITY DETAILS

BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

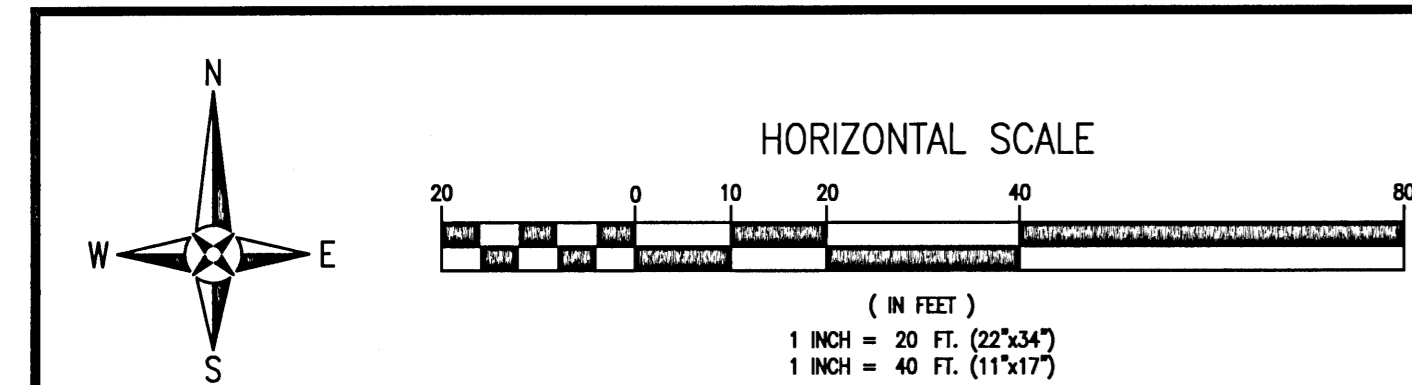
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Dr. By: AKM
Ck By: PAB
Job No.: 2020.246
Date: 05/06/2022

DRAWING No.

C4.2



LEGEND

	EXISTING ASPHALT
	EXISTING CONCRETE
	EXISTING GRAVEL
	PROPOSED ASPHALT
	PROPOSED CONCRETE
	RIPRAP
	SOD OR SEED AND MULCH
	EXISTING CHAIN LINK FENCE
	EXISTING WOODEN FENCE
	BOUNDARY LINE
	RIGHT-OF-WAY LINE

LEGEND

	EXISTING TREE
	DENOTES PROPOSED PARKING ROW TERMINUS TREE UNDERSTORY SPECIES FRINGE TREE OR APPROVED EQUAL. (MIN. 2.5" DIAMETER AT BREAST HEIGHT) (MATURE HEIGHT < 20 FEET)
	DENOTES PROPOSED MITIGATION TREE. CANOPY SPECIES LIVE OAK, SAND OAK, RED BUD CYPRESS OR APPROVAL EQUAL. (MIN. 2.5" DIAMETER AT BREAST HEIGHT) (MATURE HEIGHT > 20 FT)
	DENOTES PROPOSED BUFFER TREE. SOUTHERN MAGNOLIA, LIVE OAK OR APPROVAL EQUAL. (MIN. 2.5" DIAMETER AT BREAST HEIGHT) (MATURE HEIGHT > 20 FT)
	DENOTES PROPOSED BUFFER TREE. FRINGE TREE, RED BUD OR APPROVAL EQUAL. (MIN. 2.5" DIAMETER AT BREAST HEIGHT) (MATURE HEIGHT < 20 FT)
	DENOTES PROPOSED BUFFER SHRUB. HAWTHORN OR APPROVAL EQUAL. (MIN. 12" IN HEIGHT AT TIME OF PLANTING)

MITIGATION TREE PLANTING NOTE
PER THE TREE MITIGATION TABLE FOUND ON SHEET C1.0, THE OWNER/DEVELOPER IS REQUIRED TO PLANT A TOTAL OF 75 INCHES OF TREES (30 ~2.5" TREES) ON SITE. THE NEWLY PLANTED TREES MUST BE OF THE APPROVED SPECIES AND HAVE A MINIMUM SIZE OF 2.5" DBH AT TIME OF PLANTING.

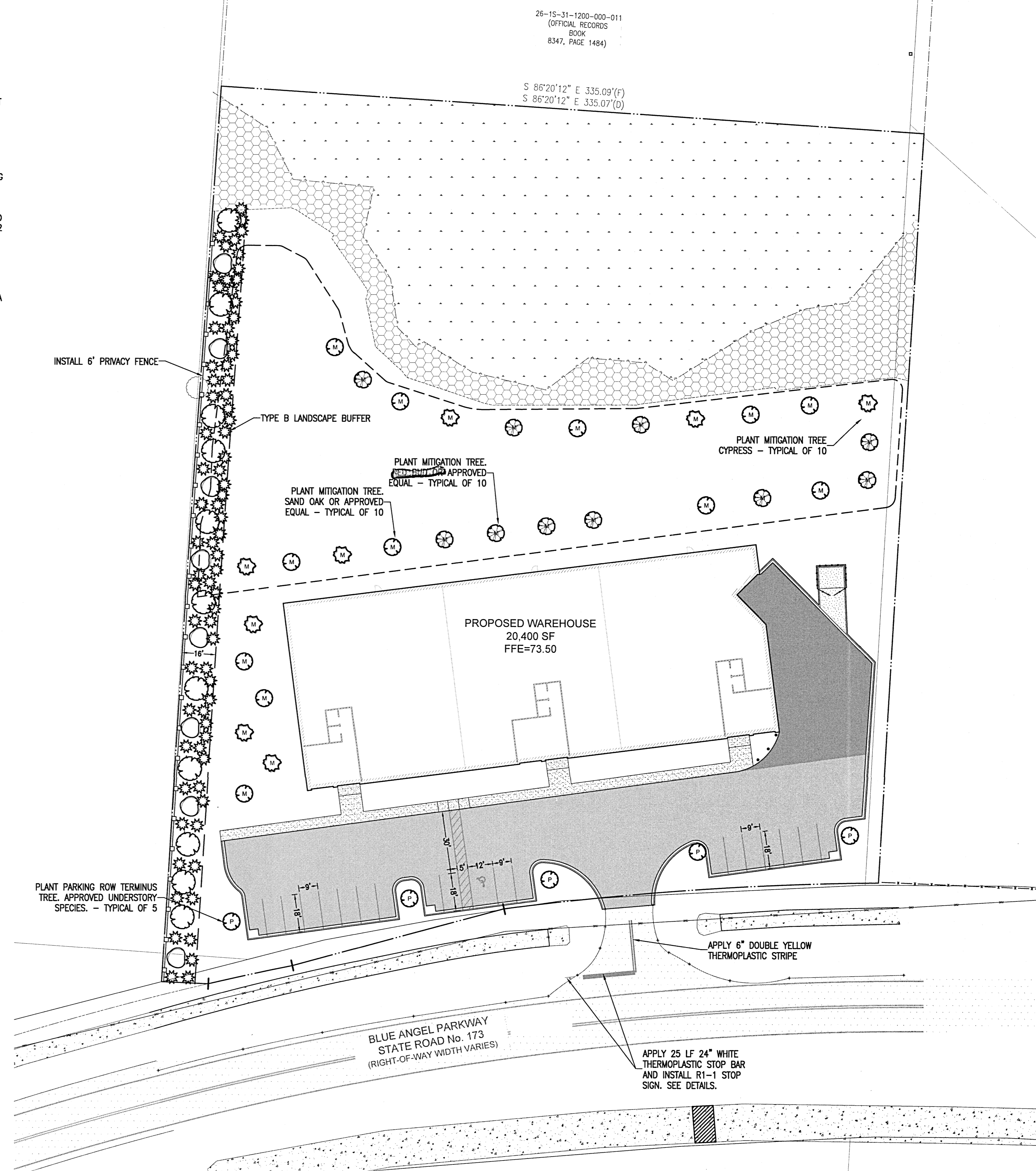
EXTERIOR SITE LIGHTING NOTE:
ALL EXTERIOR SITE LIGHTING SHALL ADHERE TO THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE (SECTION 5-9.3).
FREESTANDING LIGHTING SHALL NOT BE PLACED WITHIN A 6-FOOT RADIUS, MINIMUM ROOTING AREA, OF ANY LANDSCAPED TREE.

- LANDSCAPE NOTES:**
1. NO UN-PERMITTED GRADING OR CLEARING BY HEAVY EQUIPMENT SHOULD HAPPEN UNDER THE DRIPLINE OF PROTECTED TREES TO REMAIN ON THE SITE.
 2. STORAGE OF HEAVY EQUIPMENT SHALL NOT OCCUR UNDER THE DRIPLINE OF PROTECTED TREES ON SITE.
 3. NO PROTECTED TREES INDICATED FOR PRESERVATION SHALL BE REMOVED, DESTRUCTIVELY DAMAGED, MUTILATED, RELOCATED, DISFIGURED, DESTROYED, CUT DOWN OR EXCESSIVELY PRUNED.
 4. ALL TREES SHALL BE AT LEAST 2.5 CALIPER INCHES IN DIAMETER MEASURED AT BREAST HEIGHT AT TIME OF PLANTING.
 5. ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEED & MULCH AND/OR SOD.
 6. FOR VIABILITY OF PROTECTED TREES REMAINING ON SITE, THE ROOTS OF 1" DIAMETER OR GREATER SHALL BE CUT CLEANLY WITH APPROPRIATE EQUIPMENT. DO NOT USE EQUIPMENT THAT PULLS AND SHATTERS ROOTS (E.G. BACKHOE). ROOTS SHALL BE PRUNED TO A DEPTH OF 18" BELOW THE EXISTING GRADE OR TO A DEPTH OF DISTURBANCE IF LESS THAN 18" FROM EXISTING GRADE.
 7. LOCATIONS OF MITIGATION TREES SHOWN ARE APPROXIMATE AND CAN BE MODIFIED WITHIN THE SITE TO ACCOMMODATE POST-CONSTRUCTION CONDITIONS, PROVIDED THE TREES ARE GENERALLY DISTRIBUTED WITHIN THE SITE, AVOID CONFLICTS WITH OTHER SITE FEATURES, AND ARE PLACED NO CLOSER THAN 12 FEET FROM ANY OTHER TREE AND NOT WITHIN THE CRITICAL ROOT ZONE OF EXISTING PRESERVED TREES.
 8. MAXIMUM PERCENTAGE OF ANY ONE SPECIES PLANTED IS 30%. NON-NATIVE SPECIES ARE LIMITED TO 25 PERCENT OR LESS OF THE TOTAL REQUIRED TREES PLANTED.
 9. THE MINIMUM ROOTING AREA SHALL BE FOUR FEET FOR AN UNDERSTORY TREE AND SIX FEET FOR A CANOPY TREE. THIS MINIMUM CIRCULAR AREA SHALL CONTAIN NO SIDEWALKS, CURBS, PAVEMENT OR STRUCTURES.

- STRIPPING & SIGN NOTES:**
1. ALL PAVEMENT MARKINGS AND STRIPING SHALL BE THERMOPLASTIC AND INSTALLED ACCORDING TO FDOT STANDARD.
 2. ALL NEEDED STRIPING DESTROYED DURING CONSTRUCTION SHALL BE RE-STRIPED ACCORDING TO FDOT STANDARD.
 3. ALL LANES MUST BE OPEN FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE LOCAL MAINTENANCE ENGINEER OR HIS DESIGNEE.
 4. ALL SIGNS SHALL BE INSTALLED PER FDOT STANDARD, WIND ZONE No.1.

TYPE B LANDSCAPE BUFFER:
(373 LINEAR FEET)

PLANTINGS REQUIRED:
CANOPY TREES - 2.5 PER 100 LF
UNDERSTORY TREES - 2.0 PER 100 LF
SHRUBS - 20 PER 100 LF
PLANTINGS PROVIDED:
CANOPY TREES - 10
UNDERSTORY TREES - 8
SHRUBS - 75



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**LANDSCAPE
& STRIPING PLAN**

BLUE ANGEL CENTER
688' N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

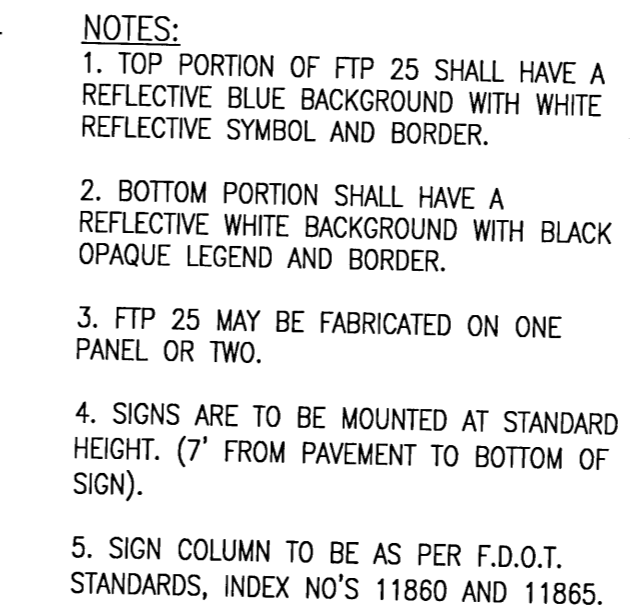
No.	DATE	REVISION

SEAL
NOT FOR CONSTRUCTION
PAUL A. BATTLE
LICENSE
No. 53126
STATE OF FLORIDA
PAUL A. BATTLE
No. 53126

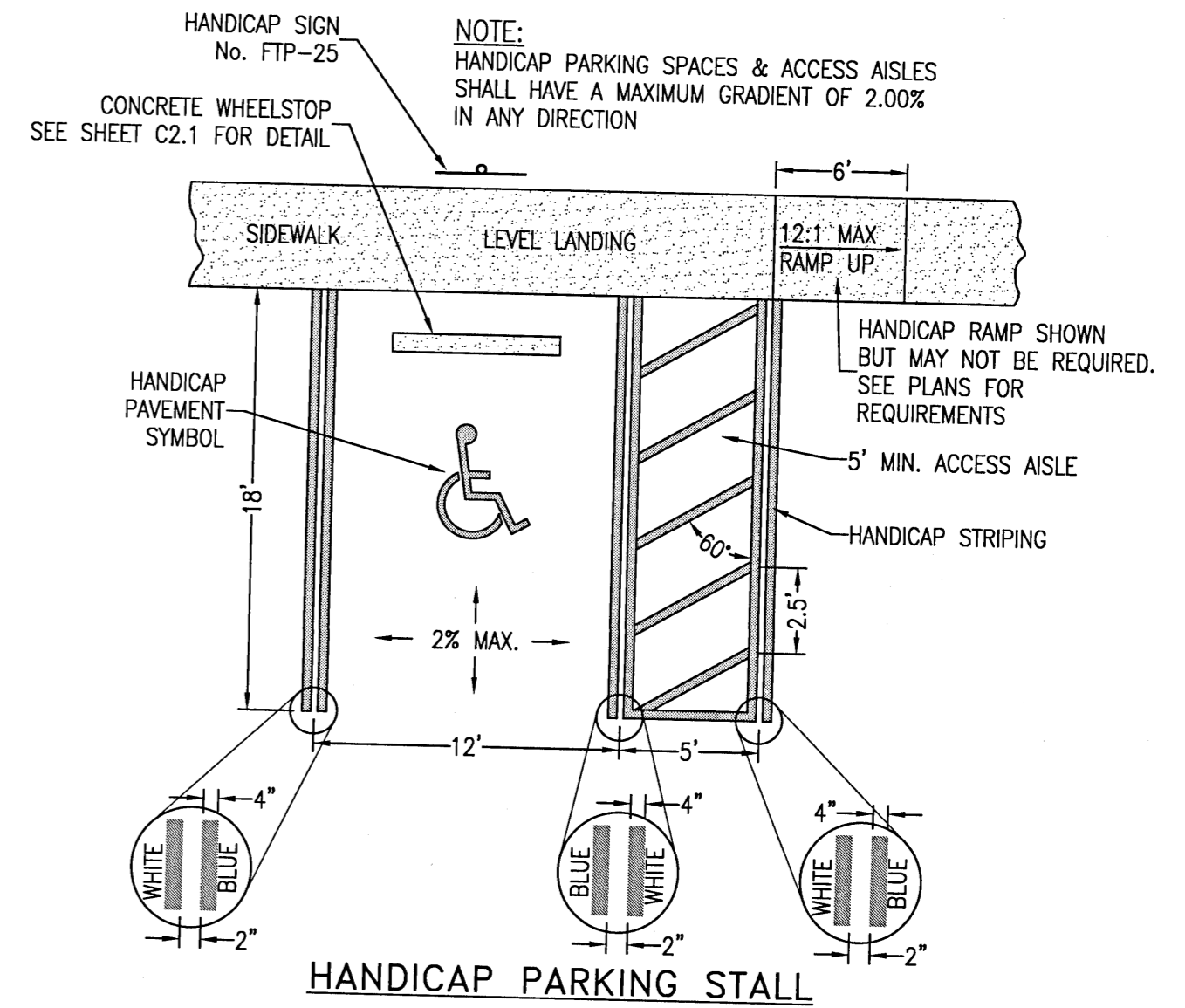
Dr. By: AKM
Ck By: PAB
Job No.: 2020.246
Date: 05/06/2022

DRAWING No.
C5.0

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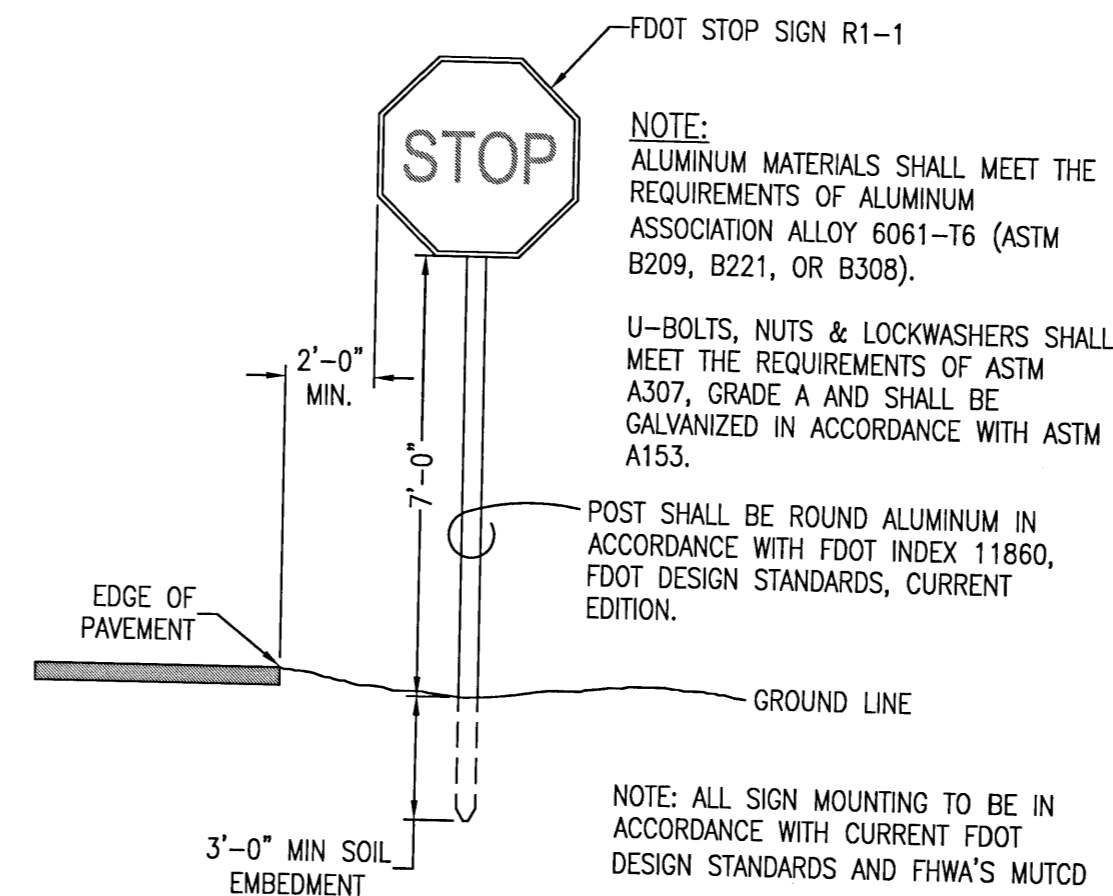
SIGN USED AS PER FLORIDA STATUTES
FTP 25 Per FS 316.1955, FS 316.1956



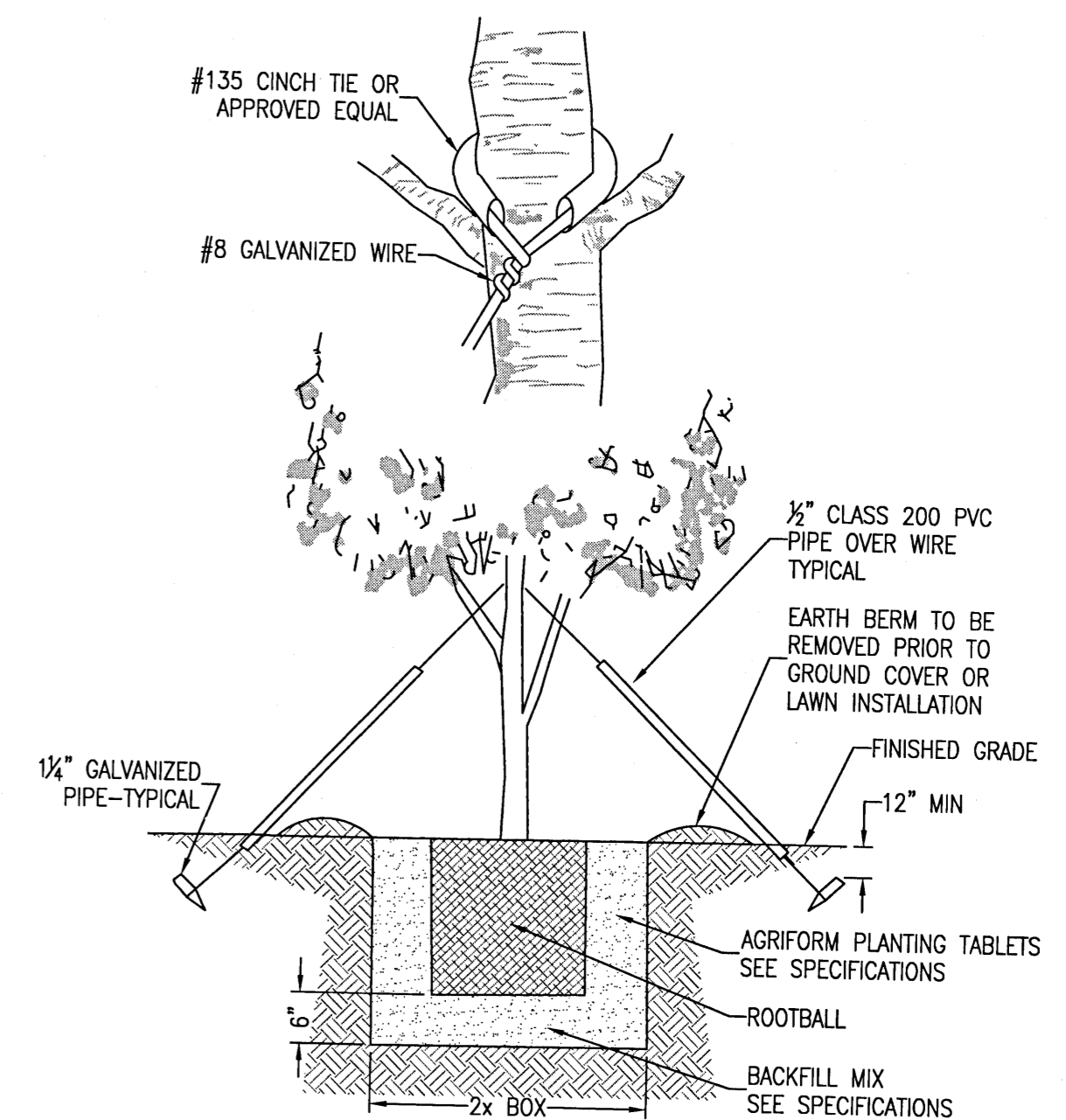
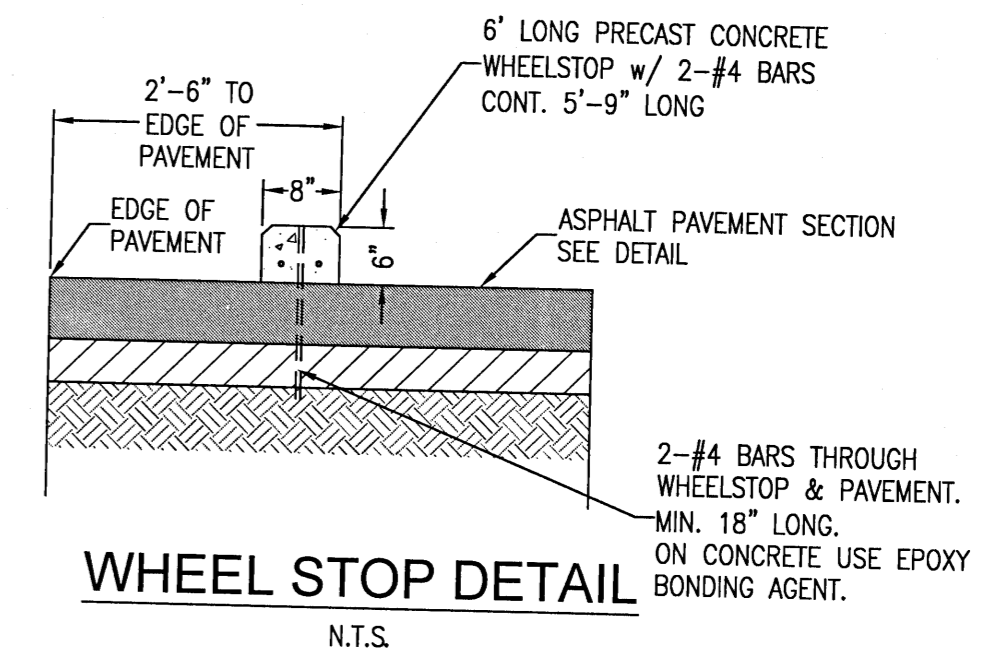
HANDICAP PARKING STALL DETAILS



2'-6" x 2'-6"
N.T.S.



SIGN MOUNTING DETAIL



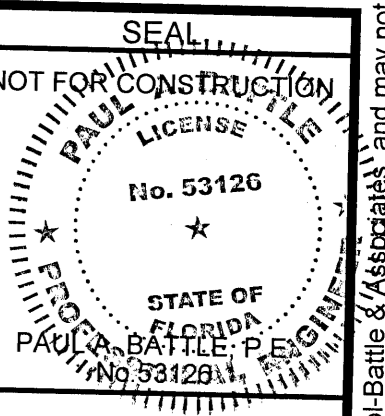
TREE PLANTING DETAIL



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LANDSCAPE &
STRIPING PLAN

BLUE ANGEL CENTER
6881 N BLUE ANGEL PARKWAY
ESCAMBIA COUNTY, FLORIDA

[illegible]

Dr. By: AKM
 Clerk By: PAB
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