



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
415 RICHARD JACKSON BOULEVARD, SUITE 411
PANAMA CITY BEACH, FLORIDA 32407

REPLY TO
ATTENTION OF

April 9, 2020

Regulatory Division
North Permits Branch
Panama City Permits Section

PUBLIC NOTICE

Permit Application Number SAJ-1995-02410(SP-LSL)

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) as described below:

APPLICANT: Mr. Wayne Stubbs
Panama City Port Authority
One Seaport Drive
Panama City, Florida 32401

WATERWAY AND LOCATION: The project would affect unnamed waters of the United States associated with Bayou George and the St. Andrew's Bay watershed. The project site is located at 7701 Commerce Boulevard in Section 35 Township 2 South, Range 12/13 West, Panama City, Bay County, Florida.

Directions to the site are as follows: Take U.S. Highway 231 North for 12 miles from downtown Panama City. Turn right onto Commerce Boulevard.

APPROXIMATE CENTRAL COORDINATES: Latitude 30.269366°
Longitude -85.504157°

PROJECT PURPOSE:

Basic: Commercial and industrial development.

Overall: The purpose of this project is to construct the Panama City Port Authority - Intermodal Distribution Center to provide relocation opportunities for special industry and enhance economic opportunities within Bay County.

EXISTING CONDITIONS: The 1,552.6-acre project area consists of 806.9 acres of wetlands and 745.7 acres of uplands. The wetland systems consist of manmade ditches, mixed forested wetlands, titi swamps, cypress swamps, and wet prairie. The onsite wetland vegetation consists of sweet bay magnolia (*Magnolia virginiana*), swamp tupelo (*Nyssa sylvatica* var. *biflora*), swamp bay (*Persea palustris*), pond cypress (*Taxodium ascendens*), and slash pine (*Pinus ellottii*). Understory shrub species includes buckwheat titi (*Cliftonia monophylla*), cyrilla (*Cyrilla racemiflora*), sweet gallberry (*Ilex coriacea*), odorless wax myrtle (*Myrica inodorata*), and gallberry (*Ilex*

glabra). Upland vegetation consists of pine plantation species such as slash pine, yaupon holly (*Ilex vomitoria*), saw palmetto (*Serenoa repens*), gallberry (*Ilex glabra*), wax myrtle (*Morella cerifera*) and bracken fern (*Pteridium aquilinum*).

Based on the United States Department of Agriculture (USDA) Soil Survey of Bay County, the soils in this basin within county right-of-way (R/W) predominately consist of the following soils:

- Albany Sand, 0-2% slopes (A/D)
- Blanton F. Sand (A)
- Leon Sand (A/D)
- Stilson Sand, 0-5% slopes (A)
- Hurricane Sand (A)
- Alapaha Loamy Sand (B/D)
- Rutledge – Pamlico Complex (A/D)

In general, the dominant drainage pattern is from south to north. The existing drainage pattern currently sheet flows to adjacent unnamed wetlands onsite. Bayou George and Bear Creek are the primary waterbodies located south and north, respectively, of the project limits. Bayou George and Bear Creek ultimately discharge into Deer Point Lake. In addition, there are no Outstanding Florida Waters within the project limits. There are existing drainage structures and attenuation ponds as the current development has been partially constructed.

The existing area surrounding the project area consists of coniferous plantation (silviculture), commercial, and industrial.

PROPOSED WORK: The original authorization, dated February 14, 2005, included filling 124.04 acres of jurisdictional wetlands for a commercial and industrial development. On-site compensatory mitigation included preservation, enhancement, and restoration of 682.5 acres of wetlands. On September 25, 2006, a modification was issued to fill approximately 4,000 square feet of jurisdictional impacts to install a culvert for an access road. On January 13, 2011, a modification was issued to extend the authorization for 5 years, replace permit drawings due to discovery of a property boundary change in the development and mitigation areas and modify the mitigation success criteria to provide for consistency, consolidate desirable goals and simplify monitoring methods and reports. The revised impact and mitigation acreages are 124.93 acres of wetland impacts and 657.83 acres of on-site compensatory mitigation.

The site has been partially constructed under those permits. 54.23 acres of wetland impacts have occurred. The on-site compensatory mitigation was initiated and 3 monitoring reports have been completed.

The applicant seeks re-authorization to fill the remaining 70.7 acres of wetlands. The project involves the construction of up to 2,500,000 square-feet of manufacturing and distribution facilities and associated parking, railroad and roads to service the buildings

and stormwater facilities. Other infrastructure development includes sewer lines, gas lines, fiber optic lines, and water lines.

AVOIDANCE AND MINIMIZATION INFORMATION – The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

During the project planning phase, the development layout was determined initially based on available data such as aerial photographs. Subsequent field evaluations resulted in modifications to the development to minimize or avoid effects to sensitive features discovered in the field, where feasible. For example, this project development was designed to avoid affecting high-quality wetlands by locating proposed impacts in previously disturbed wetland areas, i.e. logging roads and silviculture, where feasible. Once alternative development has been revised to provide the least effects within the criteria established for safe roadway and development design, a comparison of the proposed effects occurs to determine the most favorable development. To minimize direct effects, a number of design and construction limitations are proposed. The following minimization recommendations were incorporated into the roadway design: water quality treatment through appropriate stormwater management, guardrails that decrease the development footprint, installation of low-water crossings to maintain flow and hydrology, limiting clearing and grubbing, and employment of best management practices during construction.

COMPENSATORY MITIGATION – The applicant has offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment:

The mitigation of wetland impacts for the project would be accomplished by establishing on-site mitigation in the eastern portion of the project site and includes preservation, enhancement, and restoration of 657 acres of on-site freshwater wetlands and 481 acres of upland habitat.

CULTURAL RESOURCES: Through the previous authorization process, a Cultural Resource Assessment Survey was performed on the project site in May and June 2003 to determine the existence and significance of historical or archaeological resources on the site. Two previously unrecorded archaeological sites were identified as not constituting significant cultural resources. The Assessment further determined that proposed construction activities would have no effect on properties listed or eligible for listing in the National Register of Historic Places, or of historical or archaeological value. The Florida Division of Historical Resources has concurred with these findings.

ENDANGERED SPECIES: Through the previous authorization process, the Corps determined the proposed project may affect, but is not likely to adversely affect the Eastern indigo Snake (*Drymarchon corais couperi*) or the reticulated flatwoods salamander (*Ambystoma bishopi*). By email dated February 7, 2005, the U.S. Fish and Wildlife Service concurred with the Corps determination.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The jurisdictional line has been verified by Corps personnel.

AUTHORIZATION FROM OTHER AGENCIES: Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

COMMENTS regarding the potential authorization of the work proposed should be submitted in writing to the attention of the District Engineer through the Panama City Permits Section, 415 Richard Jackson Boulevard, Suite 411, Panama City Beach, Florida 32407 within 30 days from the date of this notice.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

QUESTIONS concerning this application should be directed to the project manager, Mrs. Lisa S. Lovvorn, in writing at the Panama City Permits Section, 415 Richard Jackson Boulevard, Suite 411, Panama City, Florida 32407; by electronic mail at lisa.s.lovvorn@usace.army.mil; or, by telephone at (850) 285-9533.

IMPACT ON NATURAL RESOURCES: Preliminary review of this application indicates that an Environmental Impact Statement will not be required. Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area. By means of this notice, we are soliciting comments on the potential effects of the project on threatened or endangered species or their habitat

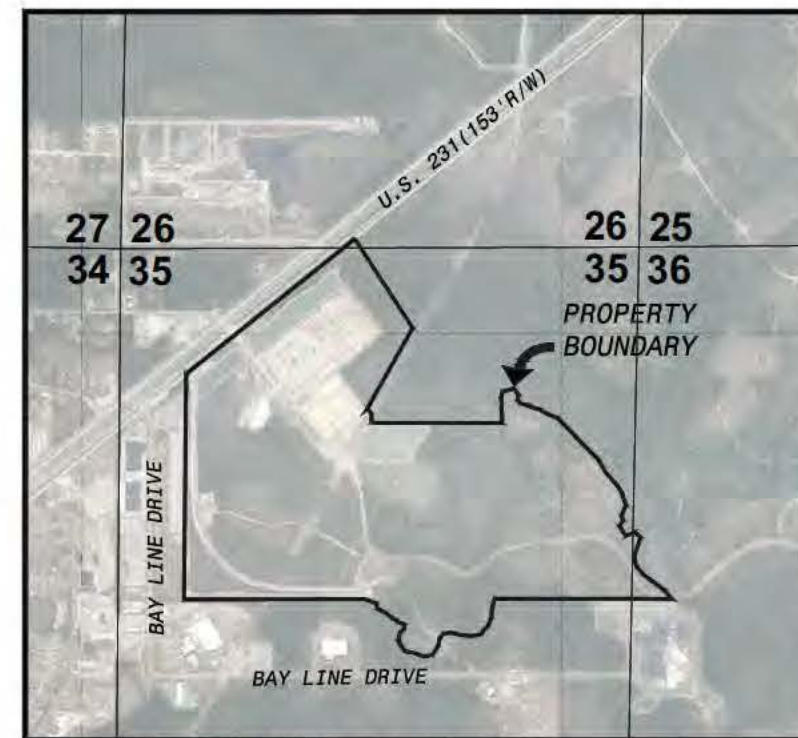
EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on

the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act of the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

The Corps is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

COASTAL ZONE MANAGEMENT CONSISTENCY: In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board, in the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

REQUEST FOR PUBLIC HEARING: Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.

[illegible][illegible]

BAY COUNTY, FL
LOCATION MAP
1" = 1,000'

Sheet	Description	Issued Date	Rev #	Revised Date
G-001	Cover Sheet	2016 / 06 / 22	0	---- / -- / --
G-002	Aerial Map	2016 / 06 / 22	0	---- / -- / --
C-001	Existing Conditions	2016 / 06 / 22	0	---- / -- / --
C-002	General Notes	2016 / 06 / 22	0	---- / -- / --
C-100	Stormwater Grading & Drainage Overall Site Plan	2016 / 06 / 22	0	---- / -- / --
1 of 5 - 5 of 5	As-Built Ponds 1 & 2	2016 / 06 / 22	0	---- / -- / --
1 of 3 - 3 of 3	As-Built Pond 3	2016 / 06 / 22	0	---- / -- / --
2 of 2	As-Built Pond 4	2016 / 06 / 22	0	---- / -- / --
C-102	Stormwater Grading & Drainage Pond 5	2016 / 06 / 22	0	---- / -- / --
C-103	Stormwater Grading & Drainage Ponds 6 & 7	2016 / 06 / 22	0	---- / -- / --
C-104	Stormwater Grading & Drainage Details	2016 / 06 / 22	0	---- / -- / --
C-107	Stormwater Grading & Drainage Details	2016 / 06 / 22	0	---- / -- / --
C-108	Stormwater Grading & Drainage Details	2016 / 06 / 22	0	---- / -- / --
C-109	Stormwater Grading & Drainage Details	2016 / 06 / 22	0	---- / -- / --
C-200	S.W.P.P.P. Site Plan	2016 / 06 / 22	0	---- / -- / --
C-202	S.W.P.P.P. Notes	2016 / 06 / 22	0	---- / -- / --
C-201	S.W.P.P.P. Notes	2016 / 06 / 22	0	---- / -- / --

JUNE 2016

AWING
G-001

INTERMODAL DISTRIBUTION CENTER - 100049074

1900 OPEN LAND
3100 RANGE LAND, HERBACEOUS (DRY PRAIRIE)
3300 MIXED RANGELAND
4110 PINE FLATWOODS
6140 TITI SWAMPS
6210 CYPRESS
6250 HYDRIC PINE FLATWOODS
6300 WETLAND FORESTED MIXED
6460 MIXED SCRUB-SHRUB WETLAND
8120 RAIL ROAD
8320 ELECTRICAL POWER TRANSMISSION LINES
8370 SURFACE WATER COLLECTION FEATURES

SOURCE: FGD L NWFWM D 2010 GIS

[illegible]

**INTERMODAL DISTRIBUTION
CENTER**

AERIAL MAP

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STUHR
FL PE NO. 77671

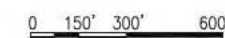
DRAWN BY: ZWS

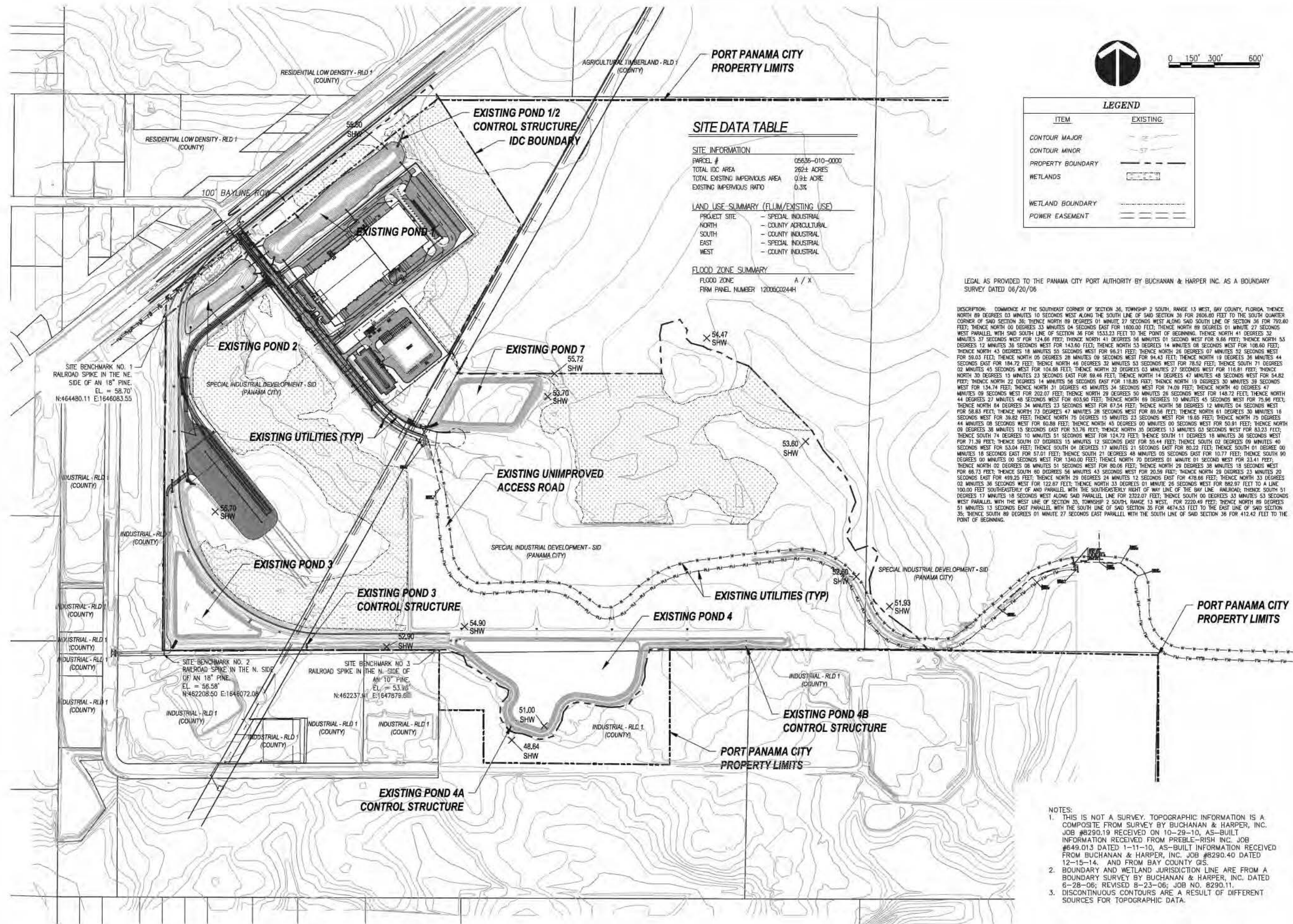
DESIGNED BY: ZWS

CHECKED BY: _____

APPROVED BY: _____

PROJECT NUMBER	100049074
DRAWING NUMBER	G-002





SITE DATA TABLE

SITE INFORMATION

PARCEL # 05636-010-0000
TOTAL IDC AREA 262± ACRES
TOTAL EXISTING IMPERVIOUS AREA 0.9± ACRE
EXISTING IMPERVIOUS RATIO 0.3%

LAND USE SUMMARY (FLUM/EXISTING USE)

PROJECT SITE - SPECIAL INDUSTRIAL
NORTH - COUNTY AGRICULTURAL
SOUTH - COUNTY INDUSTRIAL
EAST - SPECIAL INDUSTRIAL
WEST - COUNTY INDUSTRIAL

FLOOD ZONE SUMMARY

FLOOD ZONE A / X
FIRM PANEL NUMBER 12005C0244H

LEGEND

ITEM	EXISTING
CONTOUR MAJOR	—
CONTOUR MINOR	- - -
PROPERTY BOUNDARY	—
WETLANDS	—
WETLAND BOUNDARY	—
POWER EASEMENT	—

LEGAL AS PROVIDED TO THE PANAMA CITY PORT AUTHORITY BY BUCHANAN & HARPER INC. AS A BOUNDARY SURVEY DATED 06/20/06

DESCRIPTION: COMMENCE AT THE SOUTHEAST CORNER OF SECTION 36, TOWNSHIP 2 SOUTH, RANGE 13 WEST, BAY COUNTY, FLORIDA, THENCE NORTH 89 DEGREES 03 MINUTES 10 SECONDS WEST ALONG THE SOUTH LINE OF SAID SECTION 36 FOR 2008.80 FEET TO THE SOUTH QUARTER CORNER OF SAID SECTION 36; THENCE NORTH 89 DEGREES 03 MINUTES 10 SECONDS WEST ALONG SAID SOUTH LINE OF SECTION 36 FOR 792.80 FEET; THENCE NORTH 00 DEGREES 33 MINUTES 04 SECONDS EAST FOR 1600.00 FEET; THENCE NORTH 89 DEGREES 01 MINUTE 27 SECONDS WEST PARALLEL WITH SAID SOUTH LINE OF SECTION 36 FOR 1533.23 FEET TO THE POINT OF BEGINNING. THENCE NORTH 41 DEGREES 32 MINUTES 37 SECONDS WEST FOR 124.86 FEET; THENCE NORTH 41 DEGREES 58 MINUTES 01 SECOND WEST FOR 9.86 FEET; THENCE NORTH 53 DEGREES 12 MINUTES 36 SECONDS WEST FOR 143.60 FEET; THENCE NORTH 53 DEGREES 14 MINUTES 08 SECONDS WEST FOR 108.80 FEET; THENCE NORTH 43 DEGREES 18 MINUTES 55 SECONDS WEST FOR 96.21 FEET; THENCE NORTH 26 DEGREES 07 MINUTES 52 SECONDS WEST FOR 59.03 FEET; THENCE NORTH 05 DEGREES 28 MINUTES 09 SECONDS WEST FOR 94.43 FEET; THENCE NORTH 19 DEGREES 36 MINUTES 44 SECONDS EAST FOR 184.72 FEET; THENCE NORTH 48 DEGREES 32 MINUTES 53 SECONDS WEST FOR 78.52 FEET; THENCE SOUTH 71 DEGREES 02 MINUTES 45 SECONDS WEST FOR 104.88 FEET; THENCE NORTH 32 DEGREES 03 MINUTES 27 SECONDS WEST FOR 116.81 FEET; THENCE NORTH 30 DEGREES 15 MINUTES 23 SECONDS EAST FOR 69.48 FEET; THENCE NORTH 14 DEGREES 47 MINUTES 48 SECONDS WEST FOR 54.82 FEET; THENCE NORTH 22 DEGREES 14 MINUTES 56 SECONDS EAST FOR 118.85 FEET; THENCE NORTH 19 DEGREES 30 MINUTES 39 SECONDS WEST FOR 134.74 FEET; THENCE NORTH 31 DEGREES 45 MINUTES 34 SECONDS WEST FOR 74.09 FEET; THENCE NORTH 40 DEGREES 47 MINUTES 09 SECONDS WEST FOR 202.07 FEET; THENCE NORTH 29 DEGREES 50 MINUTES 26 SECONDS WEST FOR 148.72 FEET; THENCE NORTH 44 DEGREES 27 MINUTES 48 SECONDS WEST FOR 403.90 FEET; THENCE NORTH 69 DEGREES 10 MINUTES 46 SECONDS WEST FOR 75.96 FEET; THENCE NORTH 04 DEGREES 34 MINUTES 23 SECONDS WEST FOR 67.54 FEET; THENCE NORTH 58 DEGREES 12 MINUTES 04 SECONDS WEST FOR 58.83 FEET; THENCE NORTH 73 DEGREES 47 MINUTES 28 SECONDS WEST FOR 89.56 FEET; THENCE NORTH 61 DEGREES 30 MINUTES 16 SECONDS WEST FOR 30.82 FEET; THENCE NORTH 75 DEGREES 15 MINUTES 23 SECONDS WEST FOR 18.85 FEET; THENCE NORTH 75 DEGREES 44 MINUTES 09 SECONDS WEST FOR 60.88 FEET; THENCE NORTH 45 DEGREES 00 MINUTES 00 SECONDS WEST FOR 50.91 FEET; THENCE NORTH 09 DEGREES 38 MINUTES 15 SECONDS EAST FOR 53.76 FEET; THENCE NORTH 35 DEGREES 13 MINUTES 03 SECONDS WEST FOR 83.23 FEET; THENCE SOUTH 74 DEGREES 10 MINUTES 51 SECONDS WEST FOR 124.72 FEET; THENCE SOUTH 11 DEGREES 18 MINUTES 36 SECONDS WEST FOR 71.39 FEET; THENCE SOUTH 07 DEGREES 15 MINUTES 12 SECONDS EAST FOR 55.44 FEET; THENCE SOUTH 02 DEGREES 09 MINUTES 40 SECONDS WEST FOR 13.04 FEET; THENCE SOUTH 04 DEGREES 17 MINUTES 21 SECONDS EAST FOR 80.22 FEET; THENCE SOUTH 01 DEGREE 00 MINUTES 18 SECONDS EAST FOR 57.01 FEET; THENCE SOUTH 21 DEGREES 48 MINUTES 05 SECONDS EAST FOR 10.77 FEET; THENCE SOUTH 90 DEGREES 00 MINUTES 00 SECONDS WEST FOR 1340.00 FEET; THENCE NORTH 70 DEGREES 01 MINUTE 01 SECOND WEST FOR 23.41 FEET; THENCE NORTH 02 DEGREES 08 MINUTES 51 SECONDS WEST FOR 80.06 FEET; THENCE NORTH 28 DEGREES 36 MINUTES 18 SECONDS WEST FOR 68.73 FEET; THENCE SOUTH 80 DEGREES 56 MINUTES 45 SECONDS WEST FOR 20.59 FEET; THENCE NORTH 28 DEGREES 23 MINUTES 20 SECONDS EAST FOR 499.25 FEET; THENCE NORTH 29 DEGREES 24 MINUTES 12 SECONDS EAST FOR 478.66 FEET; THENCE NORTH 33 DEGREES 02 MINUTES 36 SECONDS WEST FOR 122.87 FEET; THENCE NORTH 33 DEGREES 01 MINUTE 26 SECONDS WEST FOR 882.97 FEET TO A LINE 100.00 FEET SOUTHEASTERLY OF AND PARALLEL WITH THE SOUTHEASTERLY RIGHT OF WAY LINE OF THE BAY LINE RAILROAD; THENCE SOUTH 51 DEGREES 17 MINUTES 18 SECONDS WEST ALONG SAID PARALLEL LINE FOR 2322.07 FEET; THENCE SOUTH 00 DEGREES 33 MINUTES 53 SECONDS WEST PARALLEL WITH THE WEST LINE OF SECTION 35, TOWNSHIP 2 SOUTH, RANGE 13 WEST, FOR 2220.49 FEET; THENCE NORTH 89 DEGREES 51 MINUTES 13 SECONDS EAST PARALLEL WITH THE SOUTH LINE OF SAID SECTION 35 FOR 4674.53 FEET TO THE EAST LINE OF SAID SECTION 35; THENCE SOUTH 89 DEGREES 01 MINUTE 27 SECONDS EAST PARALLEL WITH THE SOUTH LINE OF SAID SECTION 36 FOR 412.42 FEET TO THE POINT OF BEGINNING.

NOTES:

1. THIS IS NOT A SURVEY. TOPOGRAPHIC INFORMATION IS A COMPOSITE FROM SURVEY BY BUCHANAN & HARPER, INC. JOB #8290.19 RECEIVED ON 10-29-10, AS-BUILT INFORMATION RECEIVED FROM PREBLE-RISH INC. JOB #649.013 DATED 1-11-10, AS-BUILT INFORMATION RECEIVED FROM BUCHANAN & HARPER, INC. JOB #8290.40 DATED 12-15-14. AND FROM BAY COUNTY GIS.
2. BOUNDARY AND WETLAND JURISDICTION LINE ARE FROM A BOUNDARY SURVEY BY BUCHANAN & HARPER, INC. DATED 6-28-06; REVISED 8-23-06; JOB NO. 8290.11.
3. DISCONTINUOUS CONTOURS ARE A RESULT OF DIFFERENT SOURCES FOR TOPOGRAPHIC DATA.

INTERMODAL DISTRIBUTION
CENTER

EXISTING CONDITIONS

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STUBB
FL. P.E. NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

CHECKED BY: —

APPROVED BY: —

PROJECT NUMBER 100049074

DRAWING NUMBER C-001

\\nas-eblat977\T\Port Panama CB\IDC Site\Updated Concept Permit Plans\DWG\C-002 General Notes.dwg 06/22/2016 11:50:46 AM

GENERAL NOTES

1. CONTRACTOR WILL STAKE THE LIMITS OF CONSTRUCTION PRIOR TO CONSTRUCTION, AND WILL NOT PERFORM ANY CONSTRUCTION ACTIVITIES OUTSIDE THE LIMITS OF CONSTRUCTION INCLUDING CLEARING AND GRUBBING, EXCAVATION, OR THE STORAGE OF EQUIPMENT. CLEARING LIMITS MUST BE STAKED BY A LICENSED SURVEYOR.
2. EROSION AND SEDIMENTATION CONTROLS SHALL BE PLACED PRIOR TO CLEARING AND GRUBBING AND EXCAVATION. THESE DEVICES SHALL BE MAINTAINED DURING THE ENTIRE DURATION OF CONSTRUCTION.
3. AT THE PRE CONSTRUCTION MEETING THE CONTRACTOR SHALL DESIGNATE A REPRESENTATIVE WHO SHALL BE CAPABLE OF BEING REACHED 24 HOURS A DAY, 7 DAYS A WEEK.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY WHETHER ANY UTILITIES ARE IN THE VICINITY OF THE PROJECT AND THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND PROVIDE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SUNSHINE ONE, CALL (1-800-432-4770), 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ALSO COORDINATE WITH THE CITY OF PANAMA CITY UTILITIES DEPARTMENT PRIOR TO ANY CONSTRUCTION ACTIVITIES.
5. HORIZONTAL AND VERTICAL BENCHMARKS AS SHOWN ON THE PLANS HAVE BEEN PROVIDED FOR THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE BENCHMARKS THROUGHOUT THE DURATION OF CONSTRUCTION.
6. ALL DISTURBED AREAS THAT ARE NOT OTHERWISE STABILIZED OR PLANTED SHALL BE GRASSED BY SEEDING & MULCHING (OR HYDROSEEDING), AS APPLICABLE, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS. PROBLEM AREAS SHALL BE SODDED. CONTRACTOR SHALL MAINTAIN (INCLUDING WATERING) GRASSED AREAS UNTIL ADEQUATE COVERAGE IS OBTAINED PER SPECIFICATIONS.
7. CONTRACTOR SHALL STOCKPILE SELECTIVE STRIPPINGS FOR LATER USE AT DIRECTION OF THE ENGINEER. CONTRACTOR SHALL REMOVE STICKS/ROOTS AND DEBRIS AND SPREAD STRIPPINGS EVENLY TO A MAXIMUM DEPTH OF 6" OVER AREAS TO BE GRASSED AS SOON AS PRACTICAL FOLLOWING COMPLETION OF EXCAVATION/EMBANKMENT.
8. AFTER STRIPPINGS HAVE BEEN APPLIED, CONTRACTOR SHALL OBTAIN REPRESENTATIVE SURFICIAL SOIL SAMPLES FOR TESTING BY AN ENGINEER APPROVED LABORATORY. TEST PARAMETERS SHALL INCLUDE pH, ORGANIC CONTENT, P, K, SOIL TEXTURE (SAND/SILT/CLAY), CATION EXCHANGE/SALTS, AND ALUMINUM. CONTRACTOR SHALL OBTAIN RECOMMENDATIONS FOR SOIL AMENDMENTS/CONDITIONERS FOR THE GRASS SPECIES TO BE GROWN AND IMPLEMENT SAME. RECOMMENDED FERTILIZER, LIME, ETC. SHALL BE MIXED INTO THE TOP 6 INCHES PRIOR TO GRASSING/SODDING.
9. SEED MIX FOR GRASSING SHALL BE:
UNHULLED BERMUJA - 20 # / ACRE (MIN.)
BAHIA ARGENTINA OR PENSACOLA BAHIA - 60 # / ACRE(MIN.)
SOD SHALL BE: BAHIA ARGENTINA OR PENSACOLA BAHIA.
* FOR GRASSING DURING THE MONTHS OF OCTOBER - MARCH ADD 20# / ACRE (MIN.) ANNUAL RYE GRASS.
10. UPON COMPLETION OF THIS PROJECT CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" DRAWINGS OF THE SITE IMPROVEMENTS AS FURTHER HEREIN NOTED. THE AS-BUILT DRAWINGS SHALL BE PREPARED, SIGNED, AND SEALED IN THE FORM OF AN AS-BUILT SURVEY BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF FLORIDA. FIVE SIGNED AND SEALED PAPER COPIES AND ONE AUTOCAD ELECTRONIC COPY OF THE AS-BUILT SURVEY SHALL BE PROVIDED TO THE ENGINEER FOR USE IN CERTIFICATION(S) TO THE APPLICABLE PERMIT AGENCIES.
11. THE ENGINEER WILL PROVIDE THE FINAL APPROVED CADD FILES TO CONTRACTOR FOR HORIZONTAL GEOMETRY LAYOUT AND CONSTRUCTION STAKING.
12. CONTRACTOR SHALL NOT ALLOW CONSTRUCTION TRAFFIC TO ADVERSELY IMPACT PUBLIC ROADS BY CREATING OR DEPOSITING DUST/DIRT/ROCKS OR OTHER MATERIALS NOR BY CREATING ANY HAZARD TO THE PUBLIC. CONTRACTOR SHALL IMMEDIATELY RECTIFY ANY ADVERSE CONDITIONS ON OR NEAR PUBLIC ROADWAYS INCLUDING BUT NOT LIMITED TO PROVIDING MAINTENANCE OF TRAFFIC, REMOVING AND LAWFULLY DISPOSING OF DEPOSITED/SPILLED/WASTE MATERIALS, AND REPAIRING ANY DAMAGE CAUSED BY HIS ACTIONS.
13. PRIOR TO INITIATING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE TO THE OWNER. THE OWNER WILL RELY UPON THE CONTRACTORS SCHEDULE FOR NOTIFICATIONS AS REQUIRED BY PERMIT CONDITIONS. THE OWNER WILL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION COMMENCEMENT NOTIFICATION AND FINAL "AS-BUILT" CERTIFICATIONS TO THE PERMIT AGENCIES.

EROSION CONTROL NOTES

1. CONTRACTOR SHALL CONDUCT SITE OPERATIONS IN A MANNER THAT DOES NOT CAUSE OR ALLOW OFFSITE TRANSPORT OF SEDIMENT.
2. CONTRACTOR SHALL PERFORM CLEARING, EXCAVATION, AND EMBANKMENT OPERATIONS IN A MANNER THAT PREVENTS EROSION AND SEDIMENT TRANSPORT, WHETHER BY PHASING CONSTRUCTION AND/OR STRUCTURAL METHODS.
3. WHERE STRAW BALE BARRIERS ARE USED, CONTRACTOR SHALL TIGHTLY ABUT AND CHINK BETWEEN BALES WITH LOOSE STRAW AND SHALL EMBED BALES 4" (MIN.) INTO THE SOIL TO ENSURE THAT STORM RUNOFF DOES NOT BYPASS THE STRAW BALE BARRIER.
4. CONTRACTOR SHALL INSPECT THE SEDIMENT CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER EVERY RAINFALL EVENT OF 1/2" OR MORE.
5. CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY SEDIMENT CONTROL MEASURE THAT IS RENDERED DAMAGED OR INEFFECTIVE BY NORMAL USE OR EXTREME RAINFALL EVENTS.
6. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
7. CONTRACTOR SHALL SOD, GRASS, OR OTHERWISE STABILIZE ALL DISTURBED AREAS AS SOON AS PRACTICAL FOLLOWING GRADING OPERATIONS.
8. SOD ALL SLOPES STEEPER THAN 4:1. FOR 4:1 SLOPES, PROVIDE 30" SOD STRIP AT THE TOE OF SLOPE, AT TOP OF SLOPE, AND IN BETWEEN TO RESULT IN NO MORE THAN 6' UNSODDED WIDTH ON THE SLOPE.

CLEARING AND GRUBBING OPERATIONS

1. ALL CLEARED AND GRUBBED MATERIALS SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR MAY ONLY BURN CLEARED AND GRUBBED MATERIAL PROVIDED THEY OBTAIN WRITTEN PERMISSION FROM THE OWNER AND OBTAIN PROPER PERMITS, AND SHALL BURN ACCORDING TO LOCAL CODES AND PERMIT REGULATIONS.
3. ALL MATERIALS RESULTING FROM GRINDING/MULCHING AND/OR BURNING SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED BY THE OWNER.

STOCKPILING

1. ALL MATERIALS RESULTING FROM THE CLEARING AND GRUBBING AND EXCAVATION OR ANY UNSUITABLE MATERIALS MAY TEMPORARILY REMAIN WITHIN THE LIMITS OF THE PROJECT, BUT SEPARATE FROM THE STRIPPING STOCKPILE. ADDITIONAL OR SUBSTITUTE STOCKPILING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE OWNER. STRIPPINGS SHALL BE SPREAD EVENLY OVER AREAS TO BE REVEGETATED.
2. ALL STOCKPILED AREAS SHALL BE MAINTAINED BY THE CONTRACTOR TO AVOID EROSION AND IN ACCORDANCE WITH THE LOCAL CODES AND SHALL BE LIMITED TO 10' IN HEIGHT UNLESS APPROVED BY THE OWNER.

PERMITS

1. CONTRACTOR SHALL OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR CONSTRUCTION ACTIVITIES AND SHALL ABIDE BY NPDES PERMIT CONDITIONS. CONTRACTOR MAY UTILIZE THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INCLUDED IN THESE PLANS OR PROVIDE HIS OWN SWPPP FOR NPDES PERMITTING.
2. OWNER WILL OBTAIN AN ENVIRONMENTAL RESOURCE PERMIT (ERP) FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) OR A STORMWATER MANAGEMENT PERMIT FROM THE FDEP FOR THE PROJECT. CONTRACTOR SHALL ABIDE BY THE CONDITIONS OF THE ERP OR STORMWATER PERMIT.
3. OWNER HAS OBTAINED DREDGE & FILL PERMITS FROM THE FDEP AND U.S. ARMY CORPS OF ENGINEERS. CONTRACTOR SHALL ABIDE BY CONDITIONS OF THE DREDGE & FILL PERMITS.
4. OWNER WILL OBTAIN A DEVELOPMENT ORDER (D.O.) FROM PANAMA CITY. CONTRACTOR SHALL ABIDE BY THE CONDITIONS OF THE D.O.
5. CONTRACTOR SHALL OBTAIN EXEMPTION OR PERMIT AS APPROPRIATE FOR DEWATERING. CONTRACTOR SHALL PERFORM TESTS AND FOLLOW DEWATERING EXEMPTION/PERMIT CONDITIONS AS APPROPRIATE.
6. COST FOR OBTAINING AN NPDES PERMIT AND FOR ABIDING BY ALL PERMIT CONDITIONS SHALL BE BORNE BY THE CONTRACTOR.

MINIMUM REQUIRED STORM AS-BUILTS

FOLLOWING IS A LIST OF INFORMATION THAT IS TO BE VERIFIED AND SUBMITTED BY THE CONTRACTOR IN SUPPORT OF THE "AS-BUILT CERTIFICATION"

AS-BUILT DRAWINGS ARE TO BE BASED ON THE CONSTRUCTION DRAWINGS PERMITTED BY THE FDEP OR NFWMD, AND REVISED AS NECESSARY TO REFLECT ANY CHANGES MADE DURING CONSTRUCTION. BOTH THE ORIGINAL DESIGN AND CONSTRUCTED CONDITION MUST BE CLEARLY SHOWN. THE PLANS NEED TO BE CLEARLY LABELED AS "AS-BUILT" OR "RECORD" DRAWINGS. ALL SURVEYED DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED AND SIGNED, DATED, AND SEALED BY A REGISTERED PROFESSIONAL. THE FOLLOWING INFORMATION, AT A MINIMUM, SHALL BE VERIFIED ON THE AS-BUILT DRAWINGS, AND SUPPLEMENTAL DOCUMENTS, IF NEEDED:

1. DISCHARGE STRUCTURE(S) - MATERIALS, LOCATIONS, DIMENSIONS, AND ELEVATIONS OF ALL INCLUDING WEIRS, ORIFICES, GATES, PUMPS, PIPES, AND OIL AND GREASE SKIMMERS.
2. SIDE BANK AND UNDERDRAIN FILTERS OR EXFILTRATION TRENCHES - MATERIALS, LOCATIONS, DIMENSIONS, AND ELEVATIONS OF ALL, INCLUDING CLEAN-OUTS, PIPES, CONNECTIONS TO CONTROL STRUCTURES AND POINTS OF DISCHARGE TO RECEIVING WATERS.
3. STORAGE AREAS FOR TREATMENT AND ATTENUATION - DIMENSIONS, ELEVATIONS, CONTOURS OR CROSS-SECTIONS OF ALL SUFFICIENT TO DETERMINE STAGE-STORAGE RELATIONSHIPS OF THE STORAGE AREA; AND FOR NORMALLY WET SYSTEMS THE PERMANENT POOL DEPTH AND VOLUME BELOW THE CONTROL ELEVATION.
4. SYSTEM GRADING - DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES OR CROSS-SECTIONS TO DETERMINE CONTRIBUTING AREAS, FLOW DIRECTIONS, AND CONVEYANCE OF RUNOFF TO THE SYSTEM DISCHARGE POINT(S).
5. CONVEYANCE - MATERIALS, DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES OR CROSS-SECTIONS OF SYSTEMS UTILIZED TO TRANSPORT ONSITE RUNOFF AND/OR TO DIVERT OFF-SITE RUNOFF AROUND OR THROUGH THE NEW SYSTEM.
6. WATER LEVEL(S) - EXISTING WATER ELEVATION(S) AND THE DATE DETERMINED.
7. BENCHMARK(S) - LOCATION AND DESCRIPTION (MINIMUM OF ONE PER MAJOR WATER CONTROL STRUCTURE).

DEWATERING NOTES

1. CONTRACTOR SHALL PREPARE AND FOLLOW A SUITABLE DEWATERING PLAN IF NECESSARY FOR CONSTRUCTION.
2. CONTRACTOR SHALL OBTAIN EXEMPTION OR PERMIT FOR DEWATERING. CONTRACTOR SHALL PERFORM TESTS AND FOLLOW DEWATERING EXEMPTION/PERMIT CONDITIONS AS APPROPRIATE.

PERIMETER BERM CONSTRUCTION NOTES

1. BERM SOIL MATERIAL REQUIREMENTS: FINES (-200) CONTENT LESS THAN 30%; ORGANIC CONTENT LESS THAN 15% (DRY WEIGHT); COMPACT TO 95% MAXIMUM DRY DENSITY ASTM D698.
2. FOLLOWING PLACEMENT, COMPACTION, AND TESTING FOR EMBANKMENT, APPLY STRIPPINGS AND TEST REPRESENTATIVE SURFACE SOILS (TOP 6 INCHES). PROVIDE SOIL AMENDMENTS/CONDITIONERS AND MIX INTO THE TOP 6 INCHES AS PREPARATION FOR GRASSING/SODDING.
3. SEE GENERAL NOTE 8.



INTERMODAL DISTRIBUTION
CENTER

GENERAL NOTES

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STUBB
FL. P.E. NO. 75671

DRAWN BY: ZWS

DESIGNED BY: ZWS

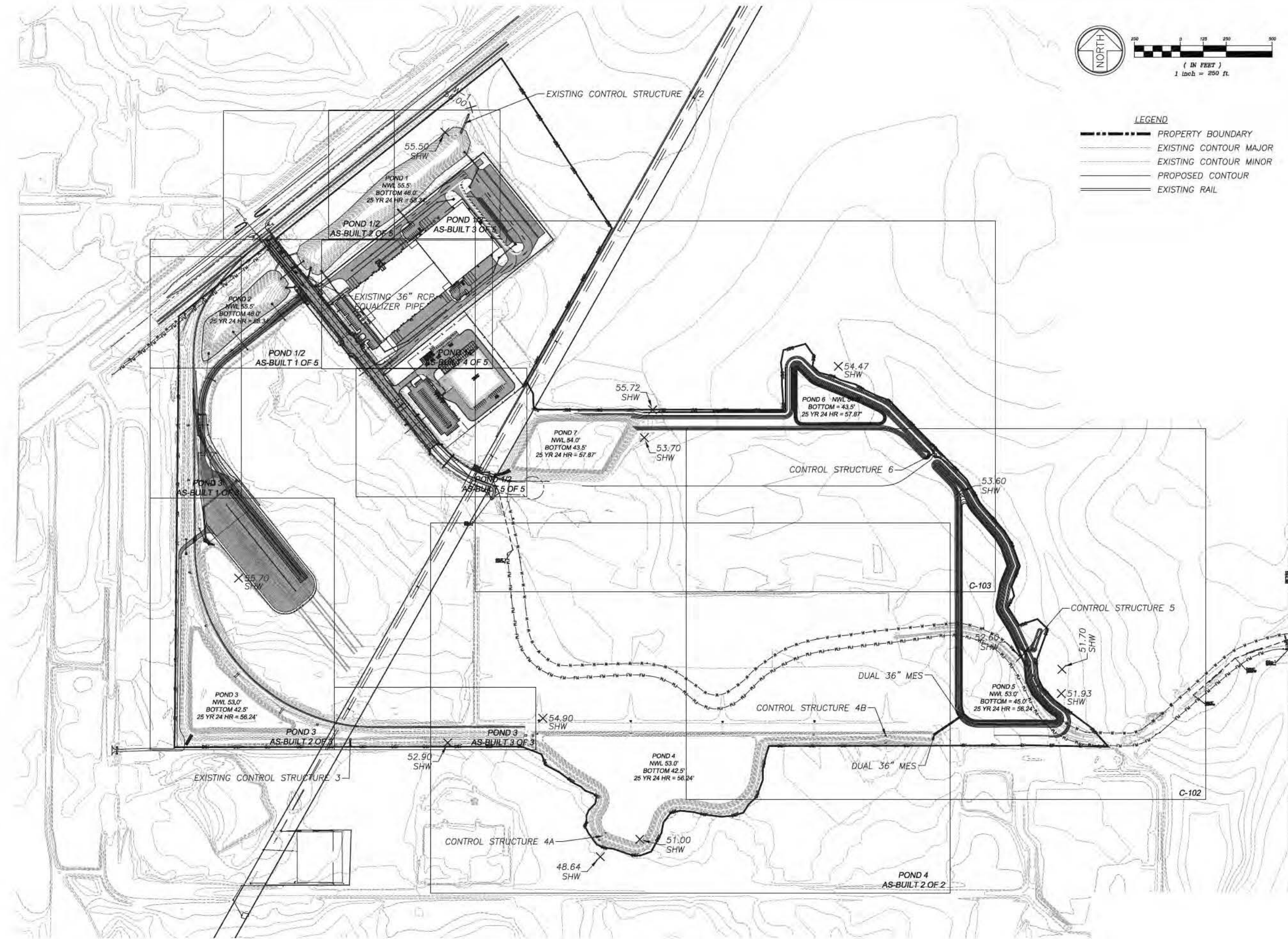
CHECKED BY: ---

APPROVED BY: ---

PROJECT NUMBER: 100049074

DRAWING NUMBER: C-002

Users: 4/16/2017
T:\Port Panama City\DC Site\Updated Concept Permit Plans\DWG\C-100 Storm G&D Site Plan.dwg 06/22/2016 11:54:13 AM



INTERMODAL DISTRIBUTION
CENTER

STORMWATER GRADING &
DRAINAGE OVERALL SITE PLAN

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STUBB
FL. P.E. NO. 77871

DRAWN BY: ZWS

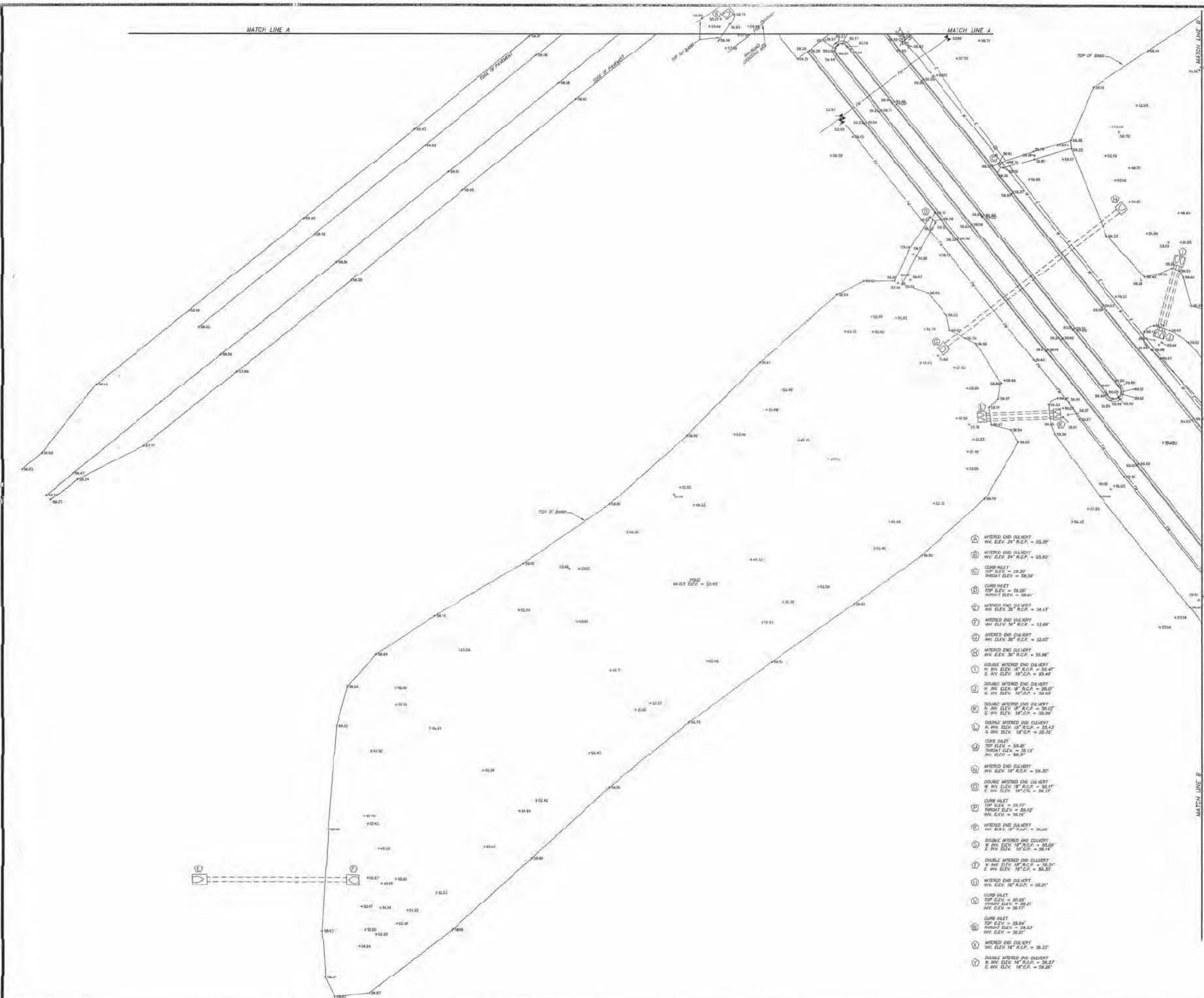
DESIGNED BY: ZWS

CHECKED BY: —

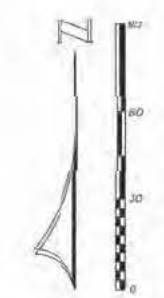
APPROVED BY: —

PROJECT NUMBER 100049074

DRAWING NUMBER C-100



LEGEND	
SYMBOLS AND ABBREVIATIONS	
P.O.C.	POINT OF COMMENCEMENT
P.O.B.	POINT OF BEGINNING
S.E.C.	SECTION
T.O.	TOWNSHIP
R.	RANGE
N.	NORTH
E.	EAST
S.	SOUTH
W.	WEST
±	DEVICES
±	MINUTES OR FEET
±	SECONDS OR INCHES
FD.	FOUND
CDR.	CORNER
MC.	CONCRETE
R/W.	RIGHT OF WAY
C.M.	CONCRETE MONUMENT
L.P.	IRON PIPE
R.R.	ROAD
B.L.	BOUNDARY
N.G.D.	NATIONAL GEODETIC DATUM
W.C.	WATER CURB
ELEV.	ELEVATION
RM.	REINFORCED MASONRY
C.P.	CORNER
R.C.P.	ROUND CONCRETE PIPE
±	CENTERLINE
±	POWER POLE
±	WATER METER
±	FIRE HYDRANT
±	WATER VALVE
±	FORCE MAIN VALVE
±	SAUTARY SEWER MANHOLE
±	AT&T TELEPHONE MANHOLE
±	LIGHT POLE
±	OVERHEAD WIRE
±	UNDER GROUND WATER LINE
±	UNDER GROUND GAS LINE
±	UNDER GROUND TELEPHONE LINE
±	UNDER GROUND FORCE MAIN
±	UNDER GROUND ELECTRICAL LINE
±	FIBER OPTIC CABLE
±	DUTY ANCHOR
±	SPOT ELEVATION
±	METAL SIGN
±	SEWER STUBOUT
±	6" PVC LATERAL (STUBOUT)
±	TELEPHONE BOX
±	ELECTRICAL STUBOUT
±	TELEVISION BOX
±	WATER SUPPLY



- 1. INTERIOR END CURB
HY. ELEV. 24' R.C.P. = 55.39'
- 2. INTERIOR END CURB
HY. ELEV. 24' R.C.P. = 55.40'
- 3. CURB INLET
TOP ELEV. = 58.20'
INLET ELEV. = 58.58'
- 4. CURB INLET
TOP ELEV. = 58.26'
INLET ELEV. = 58.61'
- 5. INTERIOR END CURB
HY. ELEV. 36' R.C.P. = 54.13'
- 6. INTERIOR END CURB
HY. ELEV. 36' R.C.P. = 54.15'
- 7. INTERIOR END CURB
HY. ELEV. 36' R.C.P. = 54.17'
- 8. INTERIOR END CURB
HY. ELEV. 36' R.C.P. = 54.19'
- 9. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 55.47'
S. HY. ELEV. 18' R.C.P. = 55.49'
- 10. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 55.49'
S. HY. ELEV. 18' R.C.P. = 55.51'
- 11. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 55.51'
S. HY. ELEV. 18' R.C.P. = 55.53'
- 12. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 55.53'
S. HY. ELEV. 18' R.C.P. = 55.55'
- 13. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 55.55'
S. HY. ELEV. 18' R.C.P. = 55.57'
- 14. CURB INLET
TOP ELEV. = 58.40'
INLET ELEV. = 58.78'
- 15. INTERIOR END CURB
HY. ELEV. 18' R.C.P. = 56.20'
- 16. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 56.17'
S. HY. ELEV. 18' R.C.P. = 56.19'
- 17. CURB INLET
TOP ELEV. = 58.27'
INLET ELEV. = 58.65'
- 18. INTERIOR END CURB
HY. ELEV. 18' R.C.P. = 56.17'
- 19. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 56.19'
S. HY. ELEV. 18' R.C.P. = 56.21'
- 20. CURB INLET
TOP ELEV. = 58.05'
INLET ELEV. = 58.43'
- 21. CURB INLET
TOP ELEV. = 58.07'
INLET ELEV. = 58.45'
- 22. INTERIOR END CURB
HY. ELEV. 18' R.C.P. = 56.21'
- 23. DOUBLE INTERIOR END CURB
N. HY. ELEV. 18' R.C.P. = 56.23'
S. HY. ELEV. 18' R.C.P. = 56.25'

SURVEYOR'S NOTES:
1. THE UNDERSIGNED SURVEYOR HAS NOT BEEN PROVIDED A CURRENT TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING THE TITLE OR BOUNDARY TO THE SUBJECT PROPERTY. IT IS POSSIBLE THAT THERE ARE DEEDS, UNRECORDED DEEDS, EASEMENTS OR OTHER INSTRUMENTS THAT COULD AFFECT THE BOUNDARIES.
2. RECORD MEASUREMENTS ARE SHOWN IN PARENTHESES WHEN FOUND TO BE OTHER THAN ACTUAL.

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 461-10, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.02, FLORIDA STATUTES.

5-10-07
REVISED DRAWING: DATE OF SURVEY:

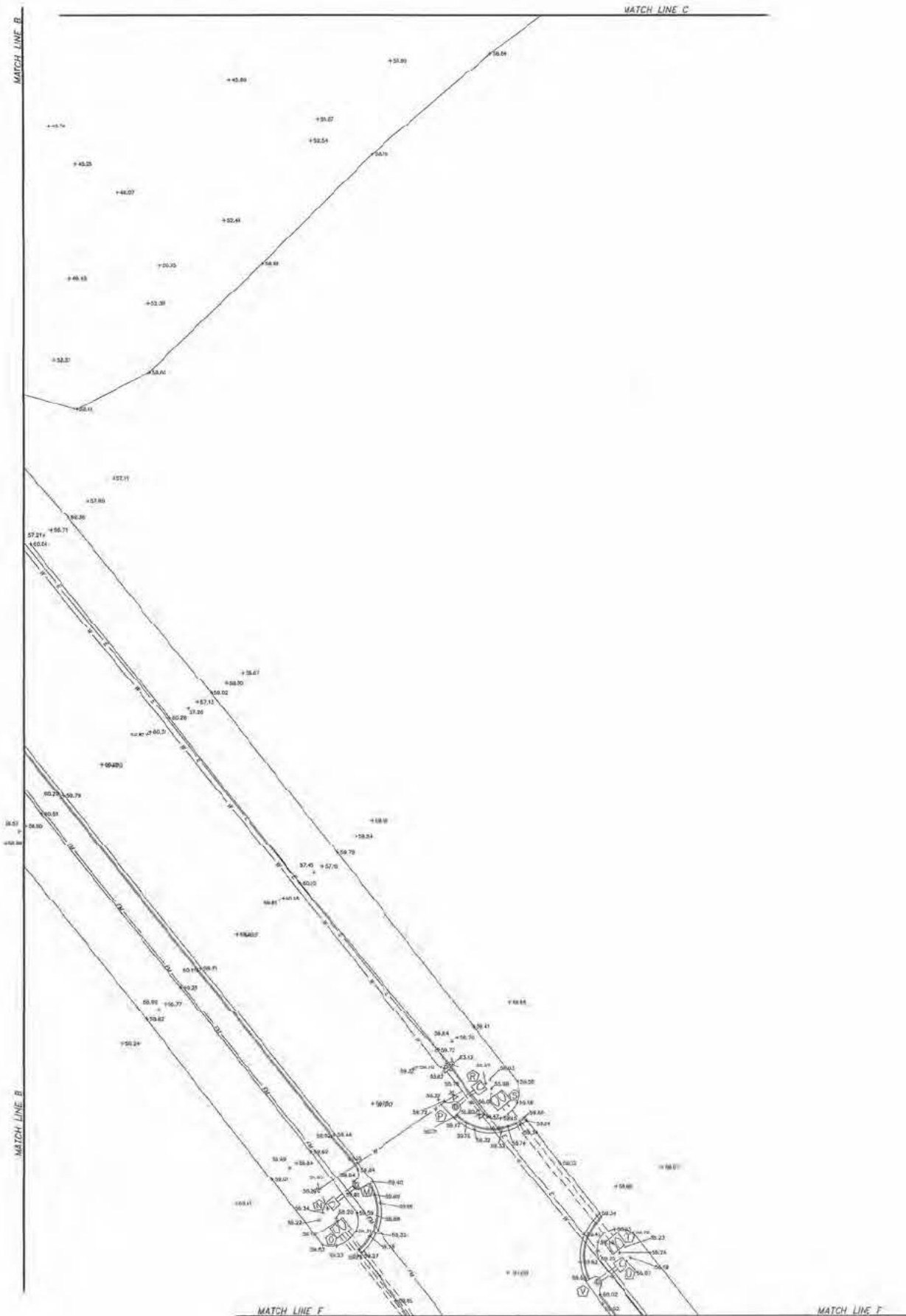
MARK E. HERSHMAN
FLORIDA LAND SURVEYOR
CERTIFICATE NO. 3267

Not valid without the signature and the original raised seal of Florida Licensed Surveyor & Mapper.

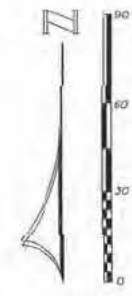
SHEET 1 OF 5

SURVEY FOR:	
MARSHALL BROTHERS INDUSTRIAL, INC.	
County Wide Surveying, Inc.	
LB No. 3925	
958 JENKS AVENUE PANAMA CITY, FL 32401 PHONE NO. (850) 789-0345 FAX NO. (850) 785-4783	
TYPE OF SURVEY: AS-BUILT	SCALE: AS SHOWN
SOURCE OF INFORMATION: N/A	
BEARING REFERENCE: N/A	
ELEVATION REFERENCE: BENCHMARK PROVIDED BY GICHT IS PER PLANS	
JOB NO. 06-1788-1	F.B. 552 PAGE 49 CHECKED BY: HW DRAWN BY: TS

NOTE: THIS AS-BUILT SURVEY SHEET WAS PREPARED FOR PLOTTING ON 36"x24" ARCH D PAPER. THIS PRINT IS NOT TO SCALE.



- ① INTERSECT END CURVE
INV. ELEV. 24' R.C.P. = 55.31'
- ② INTERSECT END CURVE
INV. ELEV. 24' R.C.P. = 55.60'
- ③ CURB INLET
TOP ELEV. = 59.30'
WIDEN ELEV. = 58.50'
- ④ CURB INLET
TOP ELEV. = 59.30'
WIDEN ELEV. = 58.61'
- ⑤ INTERSECT END CURVE
INV. ELEV. 38' R.C.P. = 54.12'
- ⑥ INTERSECT END CURVE
INV. ELEV. 24' R.C.P. = 55.61'
- ⑦ INTERSECT END CURVE
INV. ELEV. 38' R.C.P. = 52.07'
- ⑧ INTERSECT END CURVE
INV. ELEV. 38' R.C.P. = 51.36'
- ⑨ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 55.47'
B. INV. ELEV. 18' R.C.P. = 55.49'
- ⑩ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 55.49'
B. INV. ELEV. 18' R.C.P. = 55.47'
- ⑪ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 56.03'
B. INV. ELEV. 18' R.C.P. = 55.99'
- ⑫ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 55.47'
B. INV. ELEV. 18' R.C.P. = 55.36'
- ⑬ CURB INLET
TOP ELEV. = 59.30'
WIDEN ELEV. = 58.13'
INV. ELEV. = 56.31'
- ⑭ INTERSECT END CURVE
INV. ELEV. 18' R.C.P. = 56.50'
- ⑮ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 56.17'
B. INV. ELEV. 18' R.C.P. = 56.12'
- ⑯ CURB INLET
TOP ELEV. = 59.77'
WIDEN ELEV. = 58.62'
INV. ELEV. = 58.15'
- ⑰ INTERSECT END CURVE
INV. ELEV. 18' R.C.P. = 56.20'
- ⑱ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 56.20'
B. INV. ELEV. 18' R.C.P. = 56.14'
- ⑲ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 56.21'
B. INV. ELEV. 18' R.C.P. = 56.30'
- ⑳ INTERSECT END CURVE
INV. ELEV. 18' R.C.P. = 56.21'
- ㉑ CURB INLET
TOP ELEV. = 60.05'
WIDEN ELEV. = 59.21'
INV. ELEV. = 58.17'
- ㉒ CURB INLET
TOP ELEV. = 59.86'
WIDEN ELEV. = 58.52'
INV. ELEV. = 58.21'
- ㉓ INTERSECT END CURVE
INV. ELEV. 18' R.C.P. = 51.51'
- ㉔ DOUBLE INTERSECT END CURVE
A. INV. ELEV. 18' R.C.P. = 55.27'
B. INV. ELEV. 18' R.C.P. = 55.28'



LEGEND	
SYMBOLS AND ABBREVIATIONS	
P.O.C.	POINT OF COMMENCEMENT
P.O.B.	POINT OF BEGINNING
SEC.	SECTION
T.	TOWNSHIP
R.	RANGE
N.	NORTH
E.	EAST
S.	SOUTH
W.	WEST
D.	DEGREES
M.	MINUTES OR FEET
S.	SECONDS OR INCHES
TD.	TOWN
COR.	CORNER
NO.	NUMBER
CONC.	CONCRETE
R/W.	RIGHT OF WAY
C.M.	CONCRETE MONUMENT
IRON ROD	IRON ROD
BLDG.	BUILDING
N.G.V.D.	NATIONAL GEODETIC VERTICAL DATUM
BEARING	BEARING
ELEVATION	ELEVATION
BM.	BENCH MARK
C.M.A.	CONCRETE METAL BOLT
R.C.P.	ROUND CONCRETE PIPE
CENTERLINE	CENTERLINE
POWER POLE	POWER POLE
WATER METER	WATER METER
FIRE HYDRANT	FIRE HYDRANT
WATER VALVE	WATER VALVE
FORCE MAIN VALVE	FORCE MAIN VALVE
SANITARY SEWER MANHOLE	SANITARY SEWER MANHOLE
AT&T TELEPHONE MANHOLE	AT&T TELEPHONE MANHOLE
LIGHT POLE	LIGHT POLE
OVERHEAD WIRE	OVERHEAD WIRE
UNDER GROUND WATER LINE	UNDER GROUND WATER LINE
UNDER GROUND GAS LINE	UNDER GROUND GAS LINE
UNDER GROUND TELEPHONE LINE	UNDER GROUND TELEPHONE LINE
UNDER GROUND FORCE MAIN	UNDER GROUND FORCE MAIN
UNDER GROUND ELECTRICAL LINE	UNDER GROUND ELECTRICAL LINE
UNDER GROUND CABLE	UNDER GROUND CABLE
UTILITY ANCHOR	UTILITY ANCHOR
SPOT ELEVATION	SPOT ELEVATION
METAL SIGN	METAL SIGN
SEWER STUBOUT	SEWER STUBOUT
8" PVC LATERAL (STUBOUT)	8" PVC LATERAL (STUBOUT)
TELEPHONE BOX	TELEPHONE BOX
ELECTRICAL STUBOUT	ELECTRICAL STUBOUT
TELEVISION BOX	TELEVISION BOX
WATER SUPPLY	WATER SUPPLY

SURVEYOR'S NOTES

1) THE UNDERSIGNED SURVEYOR HAS NOT BEEN PROVIDED A CURRENT TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING THE TITLE OR BOUNDARY TO THE SUBJECT PROPERTY. IT IS POSSIBLE THAT THERE ARE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS OR OTHER INSTRUMENTS THAT COULD AFFECT THE BOUNDARIES.

2) RECORD MEASUREMENTS ARE SHOWN IN PARENTHESES WHEN FOUND TO BE OTHER THAN ACTUAL.

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 11011-01, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

REVISED DRAWING _____ DATE OF SURVEY _____

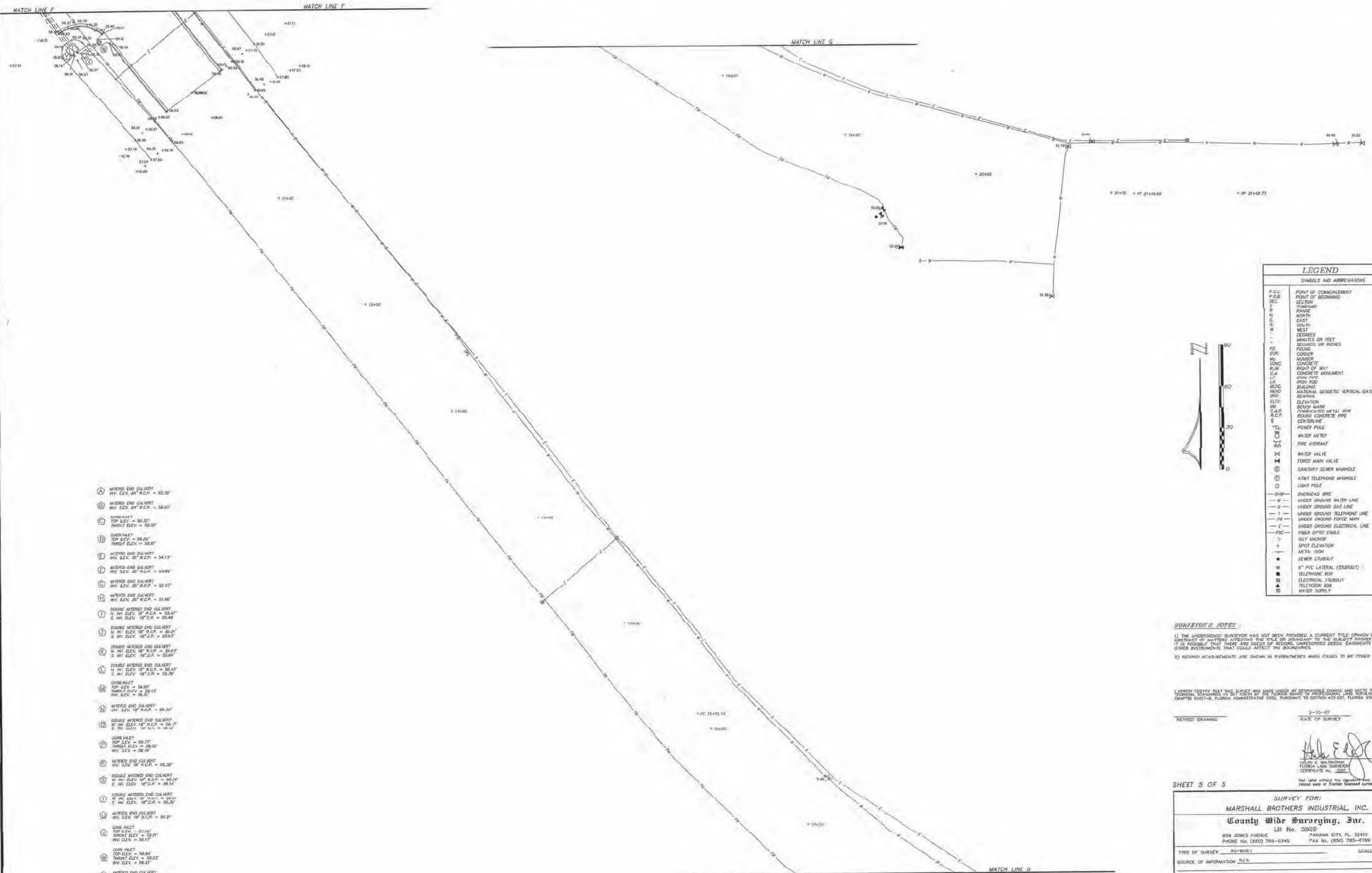
[Signature]
WALTON C. WALSHGROOM
FLORIDA LAND SURVEYOR
CERTIFICATE NO. 3825

Not valid without the signature and the original seal of the Florida Board of Professional Land Surveyors.

SHEET 4 OF 5

SURVEY FOR: MARSHALL BROTHERS INDUSTRIAL, INC.	
County Wide Surveying, Inc.	
LE No. 3929	
255 JONES AVENUE PHONE NO. (850) 769-0345	DAWSON CITY, FL 32401 FAX NO. (850) 769-4789
TYPE OF SURVEY: AS-BUILT	SCALE: AS SHOWN
SOURCE OF INFORMATION: N/A	
BEARING REFERENCE: N/A	
ELEVATION REFERENCE: BENCHMARK PROVIDED BY CLIENT AS PER PLANS	
JOB No. CB-1788-4	F.S. 502 PAGE 42 CHECKED BY: HW DRAWN BY: TD

NOTE: THIS AS-BUILT SURVEY SHEET WAS PREPARED FOR PLOTTING ON 36"x24" ARCH D PAPER. THIS PRINT IS NOT TO SCALE.



LEGEND	
SYMBOLS AND ABBREVIATIONS	
P.C.B.	POINT OF COMMENCEMENT
P.O.B.	POINT OF BEGINNING
SEC.	SECTION
T.	TOWNSHIP
R.	RANGE
N.	NORTH
E.	EAST
S.	SOUTH
W.	WEST
D.	DEGREES
M.	MINUTES OR FEET
S.	SECONDS OR INCHES
F.O.D.	FOUND
COR.	CORNER
CONC.	CONCRETE
R/W	RIGHT OF WAY
C.M.	CONCRETE MONUMENT
I.P.	IRON PIPE
I.R.	IRON ROD
B.L.C.	BUILDING
N.G.D.	NATIONAL GEODETIC DATUM
ELEV.	ELEVATION
B.M.	BENCH MARK
C.M.B.	CORNER MARK
R.C.P.	ROUND CONCRETE PIPE
C.L.	CENTERLINE
P.P.	POWER POLE
W.M.	WATER METER
F.H.	FIRE HYDRANT
W.V.	WATER VALVE
F.M.V.	FORCE MAIN VALVE
S.S.M.	SANITARY SEWER MANHOLE
A.T.M.	ATMOSPHERIC MANHOLE
L.P.	LIGHT POLE
O.W.	OVERHEAD WIRE
U.G.W.	UNDER GROUND WATER LINE
U.G.G.	UNDER GROUND GAS LINE
U.G.T.	UNDER GROUND TELEPHONE LINE
U.G.F.	UNDER GROUND FORCE MAIN
U.G.E.	UNDER GROUND ELECTRICAL LINE
F.O.C.	FIBER OPTIC CABLE
G.A.	GUY ANCHOR
S.	SPOT ELEVATION
A.S.	ALTA SON
S.S.	SEWER STUBOUT
R.P.V.	8" P.V.C. LATERAL (STUBOUT)
T.B.	TELEPHONE BOX
E.B.	ELECTRICAL STUBOUT
T.B.	TELEVISION BOX
W.S.	WATER SUPPLY

SURVEYOR'S NOTES:
1) THE UNDERSIGNED SURVEYOR HAS NOT BEEN PROVIDED A CURRENT TITLE OPINION OR ABSTRACT OF MATTERS AFFECTING THE TITLE OR BOUNDARY OF THE SUBJECT PROPERTY. IT IS POSSIBLE THAT THERE ARE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS OR OTHER INSTRUMENTS THAT COULD AFFECT THE BOUNDARIES.
2) RECORD MEASUREMENTS ARE SHOWN IN PARENTHESES WHEN FOUND TO BE OTHER THAN ACTUAL.

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REVISION DRAWING: _____ DATE OF SURVEY: 9-10-07

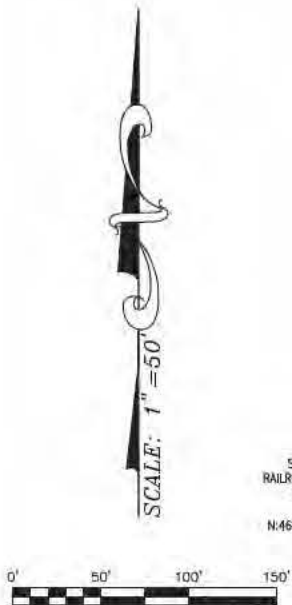
HARRY E. WILKINSON
FLORIDA LAND SURVEYOR
CERTIFICATE NO. 3302

SHEET 5 OF 5

SURVEY FOR:	
MARSHALL BROTHERS INDUSTRIAL, INC.	
County Wide Surveying, Inc.	
LB No. 3925	
958 JENKS AVENUE PANAMA CITY, FL 32401 PHONE NO. (850) 766-6345 FAX NO. (850) 785-4799	
TYPE OF SURVEY: AS-BUILT	SCALE: AS SHOWN
SOURCE OF INFORMATION: N/A	
BEARING REFERENCE: N/A	
ELEVATION REFERENCE: BENCHMARK PROVIDED BY CLIENT AS PER PLANS	
JOB NO. 06-1798-S	Y.B. 352 PAGE 49 CHECKED BY: HW DRAWN BY: TT

NOTE: THIS AS-BUILT SURVEY SHEET WAS PREPARED FOR PLOTTING ON 36"X24" ARCH D PAPER. THIS PRINT IS NOT TO SCALE.

AS BUILT SURVEY OF CONSTRUCTED ELEMENTS
PANAMA CITY PORT AUTHORITY
INTERMODAL DISTRIBUTION CENTER
RAIL SPUR AND POND 3



SITE BENCHMARK NO. 1
RAILROAD SPIKE IN THE NE
SIDE OF AN 18" PINE
EL = 58.70'
N 464480.11 E 1646083.55

4"x4" C.M. PD.
No. I.D.
N.W. CORNER OF
PROPERTY BOUNDARY

INVERT 24" MITERED END
24" RCP
EL = 58.38'

N 00°35'08" E 2220.03'
WESTERLY BOUNDARY LINE

INVERT 24" MITERED END
24" RCP
EL = 58.67'

MATCH LINE "A-A"

EXISTING
RAILROAD
SWITCH

4 VENTS
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NOTICE: STATIONING LABELS ARE TRANSCRIBED
FROM DESIGN DRAWINGS FOR INFORMATION
PURPOSES ONLY.
THE TOP CENTER OF THE RAIL WAS LOCATED
AND DRAWN HEREON AS BUILT.
THE GRAPHIC CENTER LINE HEREON IS A REPRESENTATION
OF THE AVERAGE ALIGNMENT OF AS BUILT RAILS.

LEGEND

DESIGN STATIONING: 16+11.84PT
CONTOUR WITH LABEL: 54.0
SPOT ELEVATION: 157.6
EL: MEANS ELEVATION
T.B.M.: TEMPORARY BENCHMARK
W.V.: INVERT
RCP: REINFORCED CONCRETE PIPE

SHEET 1 OF 3

**BRUNER-MONGOVEN
LAND SURVEYING INC.**
P.O. DRAWER 14212
7603 McELVEY ROAD
PANAMA CITY BEACH, FL. 32408

PHONE No. 850-235-2293
FAX No. 850-234-2607

ORDERED BY: BRIAN STRICKLAND/REGISTER'S ENTERPRISES
JOB No. 50F03-11 SURVEY DATE: 01/12/12
DRAWN BY: S.R.B. FIELD BOOK No. FILE PAGE No. FILE
BEARING REFERENCE: CONTROL SURVEY FOR THIS PROJECT
FLOOD ZONE: FIRM PANEL No. PANEL DATE:
ELEVATION REFERENCE: CONSTRUCTION DESIGN DATUM
SURVEY CERTIFIED TO:
REVISED 04/09/12 TO REFLECT SWALE CHANGE

ABBREVIATIONS THAT MAY APPEAR ON THIS MAP:
° = DEGREES ' = MINUTES OR FEET " = SECONDS N. = NORTH R/W = RIGHT OF WAY R = RADIUS
E = EAST S = SOUTH W. = WEST T. = TOWNSHIP RGE. = RANGE P.O.C. = POINT OF COMMENCEMENT
RES. = RESIDENCE CONC. = CONCRETE I.R. = IRON ROD I.P. = IRON PIPE L = ARC LENGTH
O.H.U. = OVERHEAD UTILITY LINES A.C. = AIR CONDITIONER P.D.S. = POINT OF BEGINNING
A = LINE NOT DRAWN TO SCALE G.L.O. = GENERAL LAND OFFICE CH = CHORD LENGTH
D = DELTA ANGLE B = CHORD BEARING L.S. = LAND SURVEYOR L.B. = LAND SURVEYOR BUSINESS
() = RECORD CALL; OR RECORD CALL WHEN RECORD AND MEASURED ARE DIFFERENT E/P =
EDGE OF PAVEMENT C.M. = CONCRETE MONUMENT Q = CENTERLINE COR. = CORNER
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER D.B.T. = DEPARTMENT OF TRANSPORTATION
COR. = CORNER No. = NUMBER # = NUMBER FD. = FOUND O.R.S. = OFFICIAL RECORD BOOK
P.B. = PLAT BOOK PG. = PAGE D.B. = DEED BOOK GOVT = GOVERNMENT No. = NUMBER
I.D. = IDENTIFICATION W/ = WITH W.M. = WITNESS MONUMENT SEC. = SECTION
NOTES:
(1) NO UNDERGROUND INSTALLATIONS OF IMPROVEMENTS HAVE BEEN LOCATED, EXCEPT
AS NOTED ON SKETCH OF SURVEY
(2) NO TITLE SEARCH HAS BEEN PROVIDED TO NOR PERFORMED BY BRUNER
LAND SURVEYING OR TO THIS SURVEYOR, THERE MAY BE DEEDS OF RECORD,
UNRECORDED DEEDS, EASEMENTS RIGHTS-OF-WAY, OR OTHER INSTRUMENTS THAT
MAY AFFECT THE BOUNDARIES OF THE SUBJECT PROPERTY.
(3) FLOOD ZONE OF SUBJECT PROPERTY HAS BEEN DERIVED BY SCALING IT'S
POSITION ON THE FLOOD INSURANCE RATE MAP NOTED ABOVE.
(4) IN SOME INSTANCES IT IS NECESSARY TO EXAGGERATE THE LOCATION OF SOME
FIXTURES SUCH AS FENCES, ADDITIONAL PROPERTY CORNERS FOUND, ETC. IN ORDER
TO MORE CLEARLY REPRESENT THE AFOREMENTIONED ITEMS.
(5) THERE MAY ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS PLAT, THAT MAY BE
RECORDED IN THE PUBLIC RECORDS OF THE PARTICULAR COUNTY THAT THE SUBJECT
PROPERTY IS SITUATED IN.

THIS CERTIFIES THAT A SURVEY OF THE PROPERTY
HEREON DESCRIBED WAS MADE UNDER MY DIRECT
SUPERVISION AND THAT THE SURVEY MEETS THE
MINIMUM TECHNICAL STANDARDS FOR LAND SUR-
VEYING IN THE STATE OF FLORIDA, SET FORTH BY
THE BOARD OF PROFESSIONAL LAND SURVEYORS
IN CHAPTER 5J-17 OF THE FLORIDA ADMINISTRATIVE
CODE, PURSUANT TO SECTION 472.027 OF THE
FLORIDA STATUTES.
SAM R. BRUNER
FLORIDA LAND SURVEYOR No. 2456
LICENSED BUSINESS No. 6411
THIS PLAT IS NOT VALID WITHOUT THE ORIGINAL
RAISED SEAL AND SIGNATURE OF A LICENSED
SURVEYOR AND MAPPER

AS BUILT SURVEY OF CONSTRUCTED ELEMENTS
PANAMA CITY PORT AUTHORITY
INTERMODAL DISTRIBUTION CENTER
RAIL SPUR AND POND 3

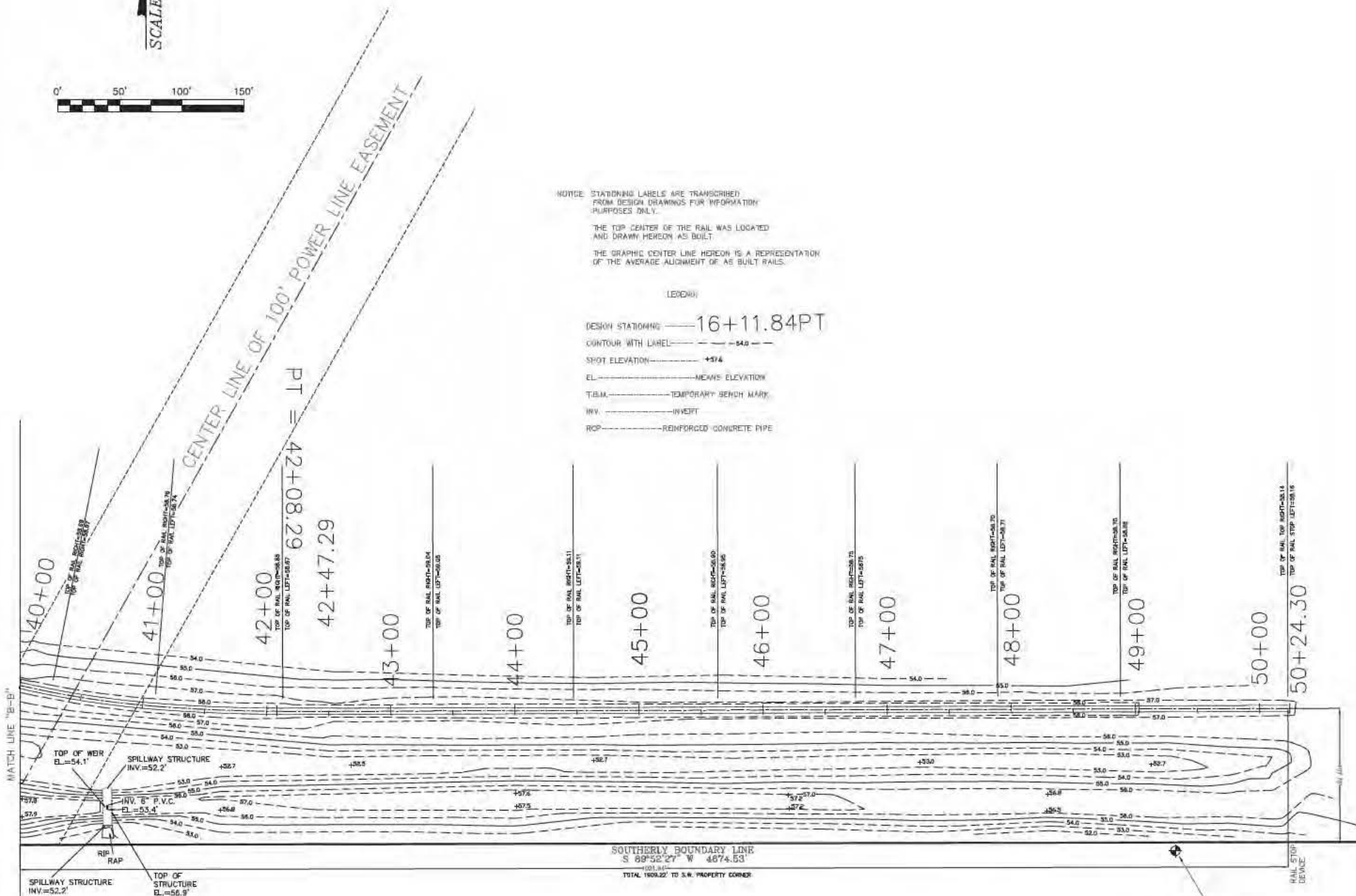
SCALE: 1" = 50'

0' 50' 100' 150'

NOTICE: STATIONING LABELS ARE TRANSCRIBED FROM DESIGN DRAWINGS FOR INFORMATION PURPOSES ONLY.
THE TOP CENTER OF THE RAIL WAS LOCATED AND DRAWN HEREON AS BUILT.
THE GRAPHIC CENTER LINE HEREON IS A REPRESENTATION OF THE AVERAGE ALIGNMENT OF AS BUILT RAILS.

(LEGEND)

DESIGN STATIONING: 16+11.84PT
CONTOUR WITH LABEL: 54.0
SHOT ELEVATION: 57.4
EL: MEANS ELEVATION
T.B.M.: TEMPORARY BENCH MARK
INV.: INVERT
RCP: REINFORCED CONCRETE PIPE



SHEET 3 OF 3

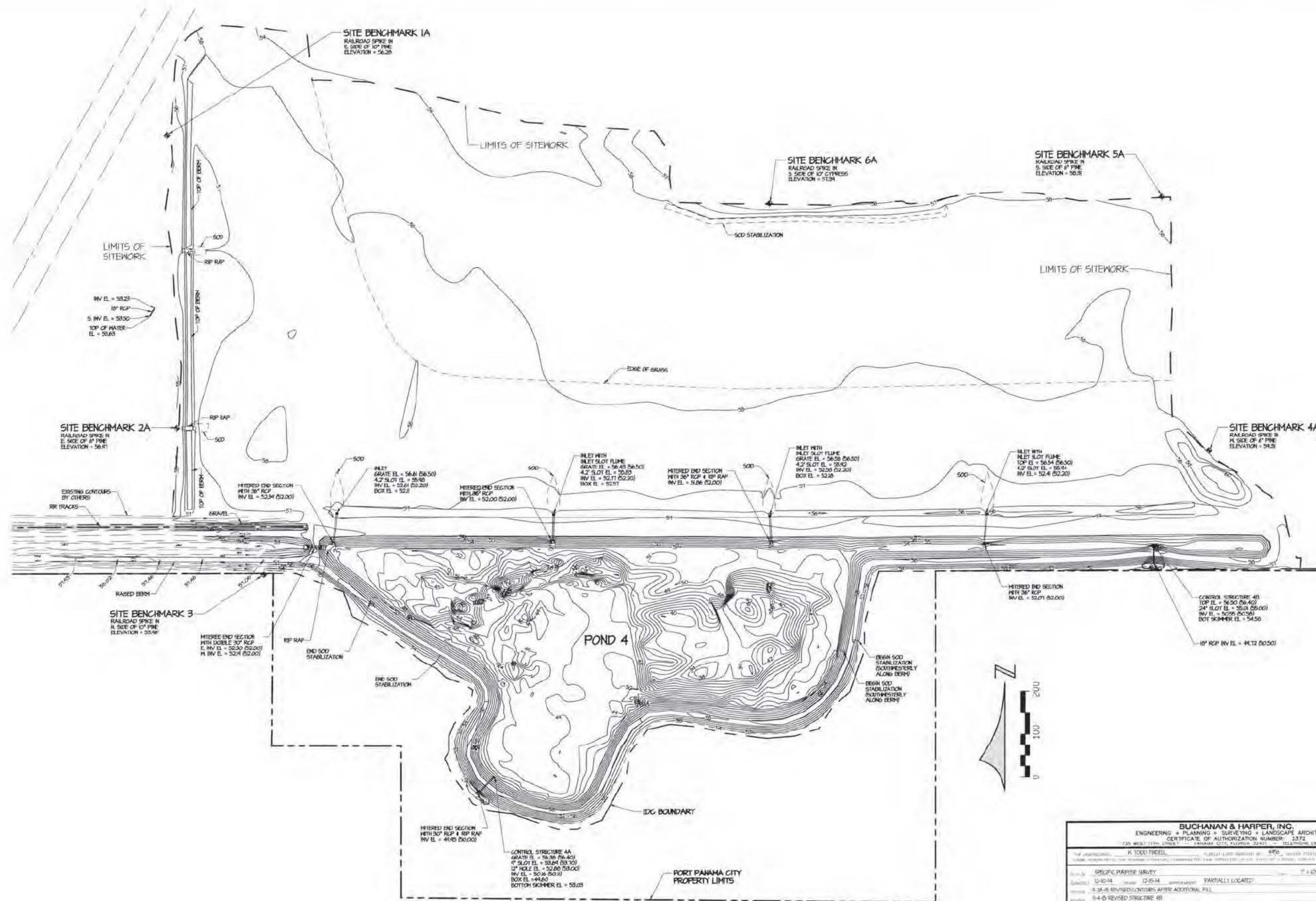
**BRUNER-MONGOVEN
LAND SURVEYING INC.**
P.O. DRAWER 14212
7603 McELVEY ROAD
PANAMA CITY BEACH, FL. 32408

PHONE No. 850-235-2293
FAX No. 850-234-2607

ORDERED BY: BRIAN STRICKLAND/REGISTER'S ENTERPRISES
JOB No. 50F03-11 SURVEY DATE: 01/12/12
DRAWN BY: S.R.B. FIELD BOOK No. FILE PAGE No. FILE
BEARING REFERENCE: CONTROL SURVEY FOR THIS PROJECT
FLOOD ZONE: FIRM PANEL No. PANEL DATE:
ELEVATION REFERENCE: CONSTRUCTION DESIGN DATUM
SURVEY CERTIFIED TO:
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REVISED:

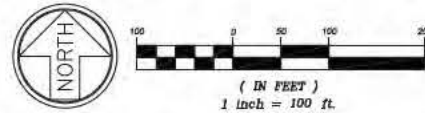
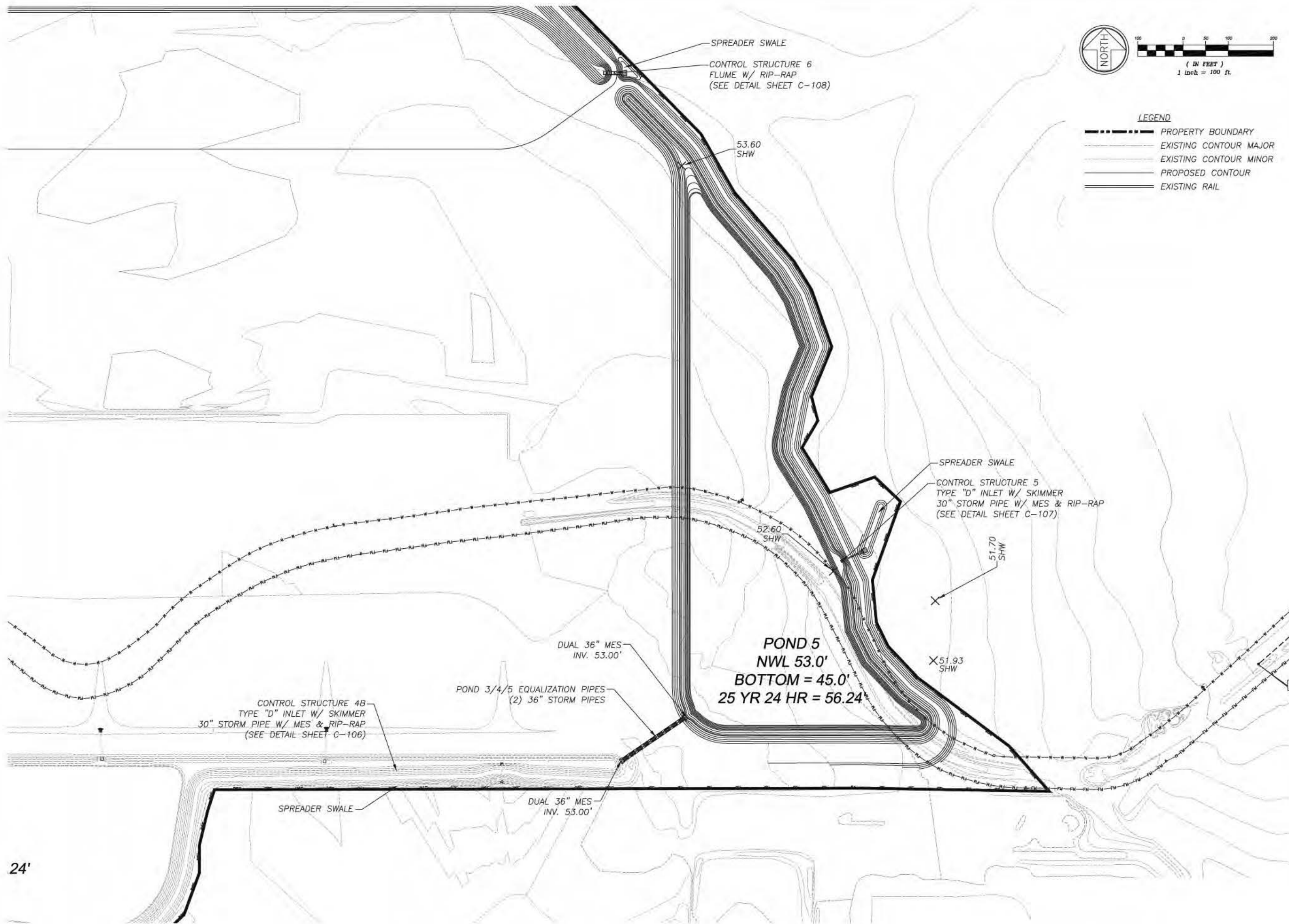
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EDGE OF PAVEMENT C.M. = CONCRETE MONUMENT G = CENTERLINE COR. = CORNER
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I.D. = IDENTIFICATION W/ = WITH W.M. = WITNESS MONUMENT SEC. = SECTION
P.L. = PROPERTY LINE C.M.P. = CORRUGATED METAL PIPE
NOTES:
(1) NO UNDERGROUND INSTALLATIONS OF IMPROVEMENTS HAVE BEEN LOCATED, EXCEPT AS NOTED ON SKETCH OF SURVEY
(2) NO TITLE SEARCH HAS BEEN PROVIDED TO NOR PERFORMED BY BRUNER
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IN CHAPTER 5J-17 OF THE FLORIDA ADMINISTRATIVE
CODE, PURSUANT TO SECTION 472.027 OF THE
FLORIDA STATUTES.
SIGNED: SAM R. BRUNER
FLORIDA LAND SURVEYOR No. 2456
LICENSED BUSINESS No. 6411
THIS PLAT IS NOT VALID WITHOUT THE ORIGINAL
RAISED SEAL AND SIGNATURE OF A LICENSED
SURVEYOR AND MAPPER



BUCHANAN & HARPER, INC. ENGINEERING • PLANNING • SURVEYING • LANDSCAPE ARCHITECTURE CERTIFICATE OF AUTHORIZATION NUMBER: 3372 735 WEST 11TH STREET PANAMA CITY, FLORIDA 32401 TELEPHONE (904) 782-7427	
PROJECT: CONSTRUCTION PLANS FOR INTERMODAL DISTRIBUTION CENTER PHASE 3 - POND 4 DATE: 12-15-14 DRAWN BY: J. L. L.	SHEET: 3 OF 3 SCALE: 1" = 100' DATE: 12-15-14

Users: 4/16/2017
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- LEGEND**
- PROPERTY BOUNDARY
 - - - EXISTING CONTOUR MAJOR
 - - - EXISTING CONTOUR MINOR
 - PROPOSED CONTOUR
 - == EXISTING RAIL

**INTERMODAL DISTRIBUTION
CENTER**

**STORMWATER GRADING &
DRAINAGE POND 5**

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STUIR
FL. P.E. NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

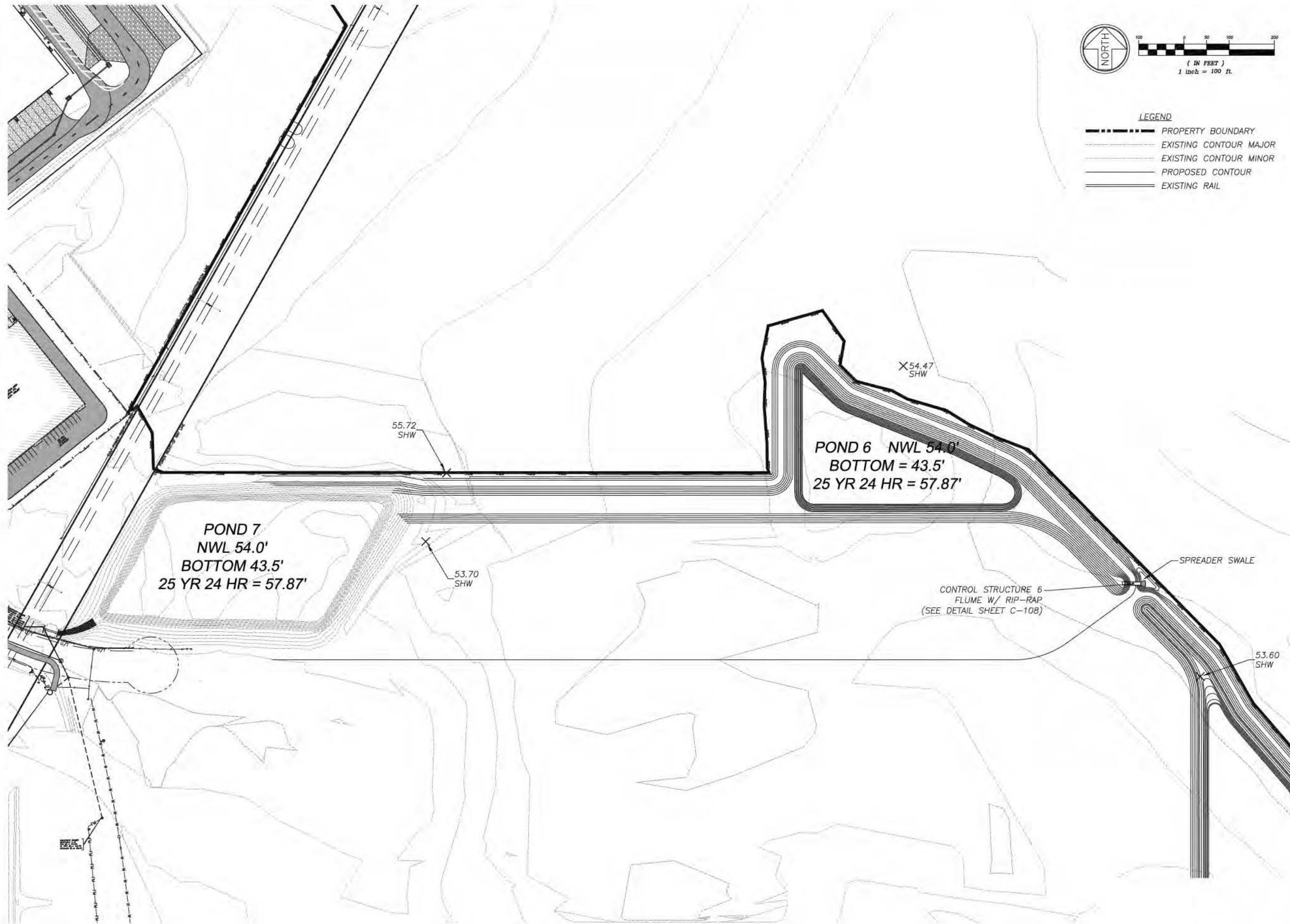
CHECKED BY: —

APPROVED BY: —

PROJECT NUMBER 100049074

DRAWING NUMBER C-102

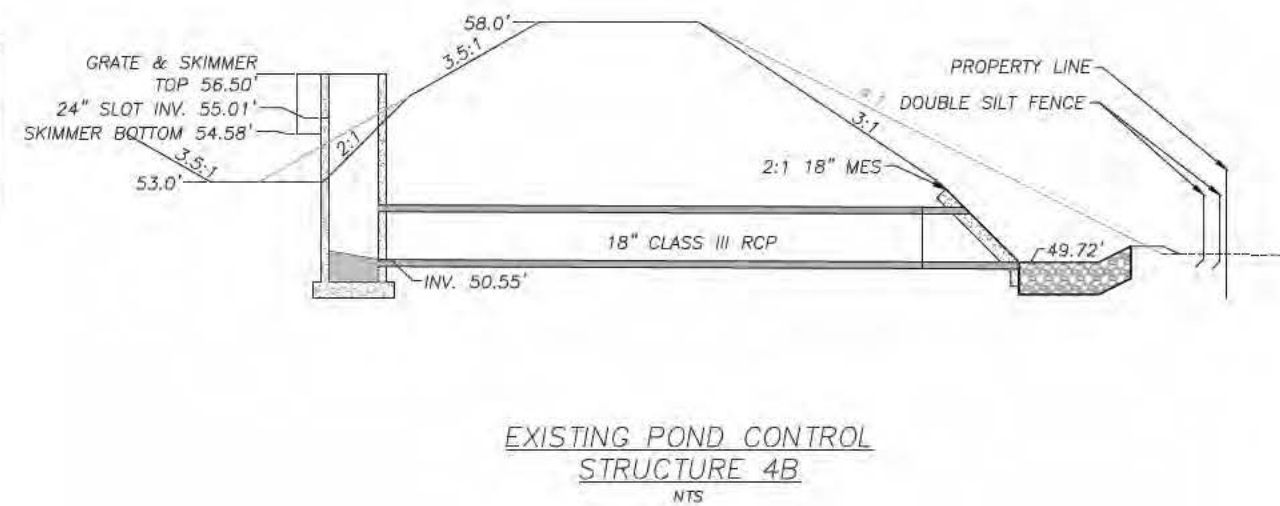
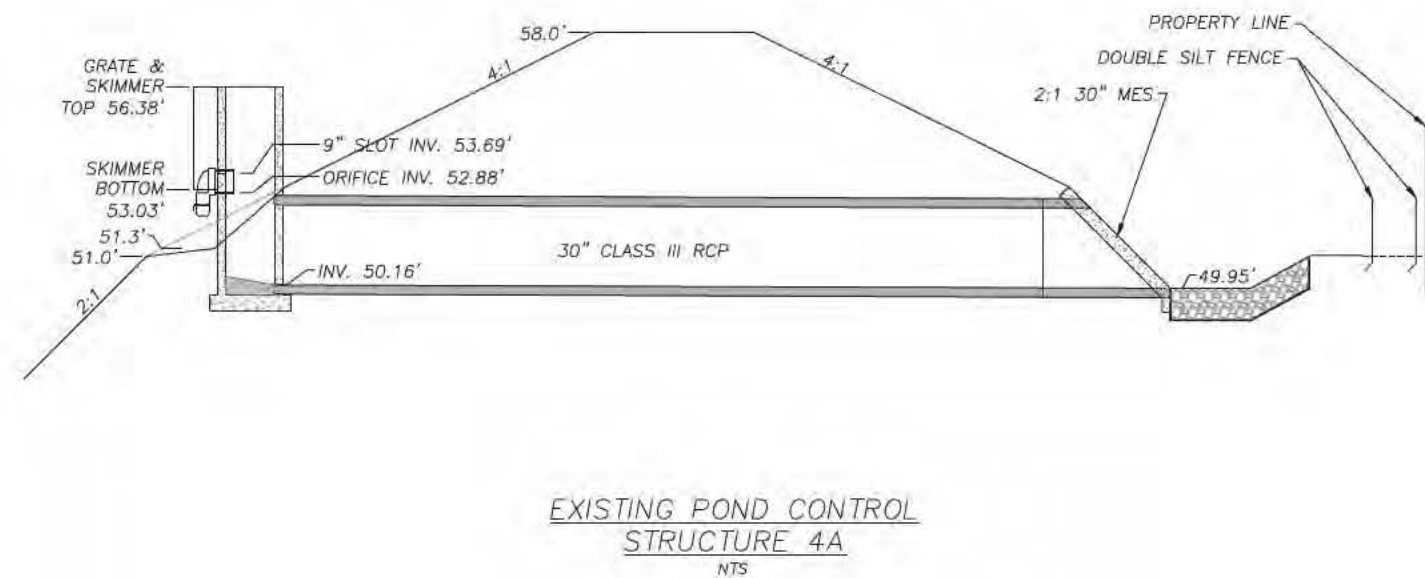
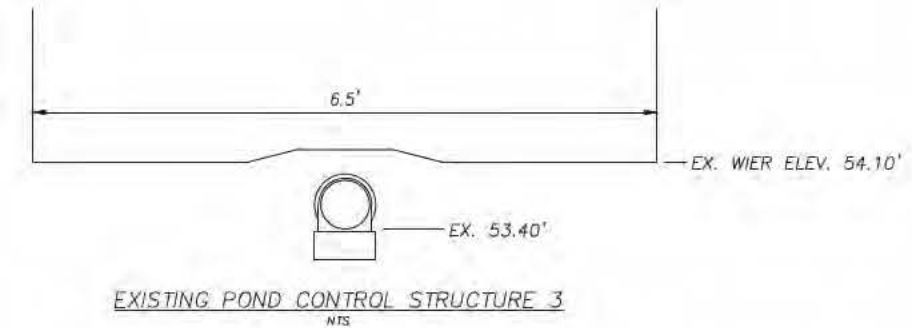
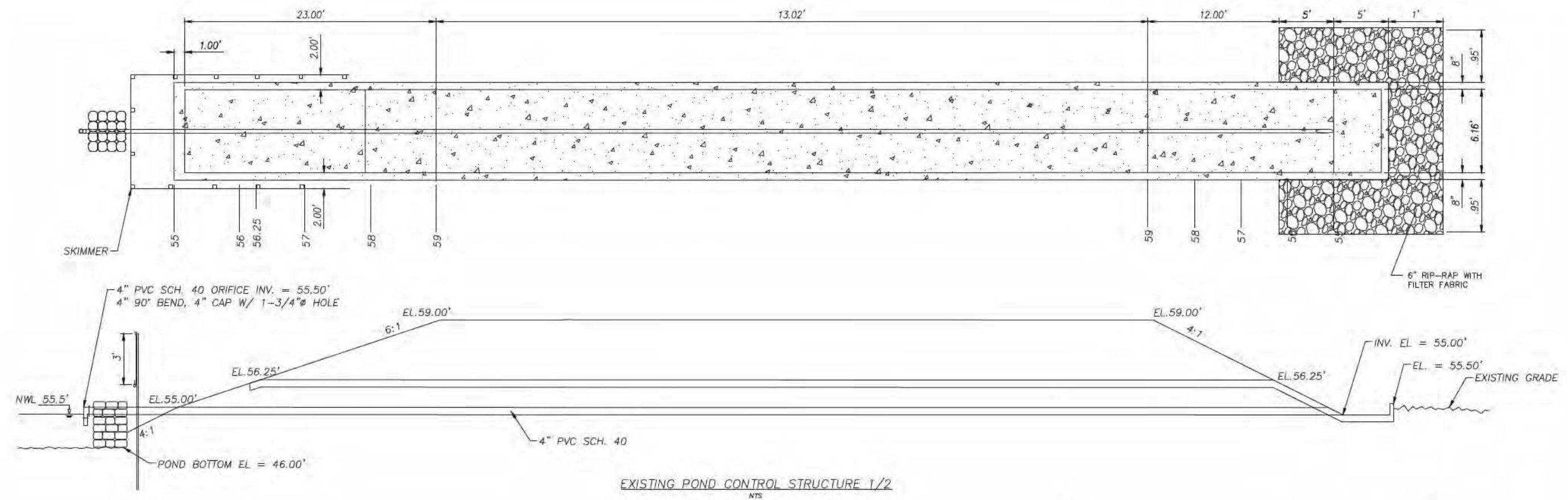
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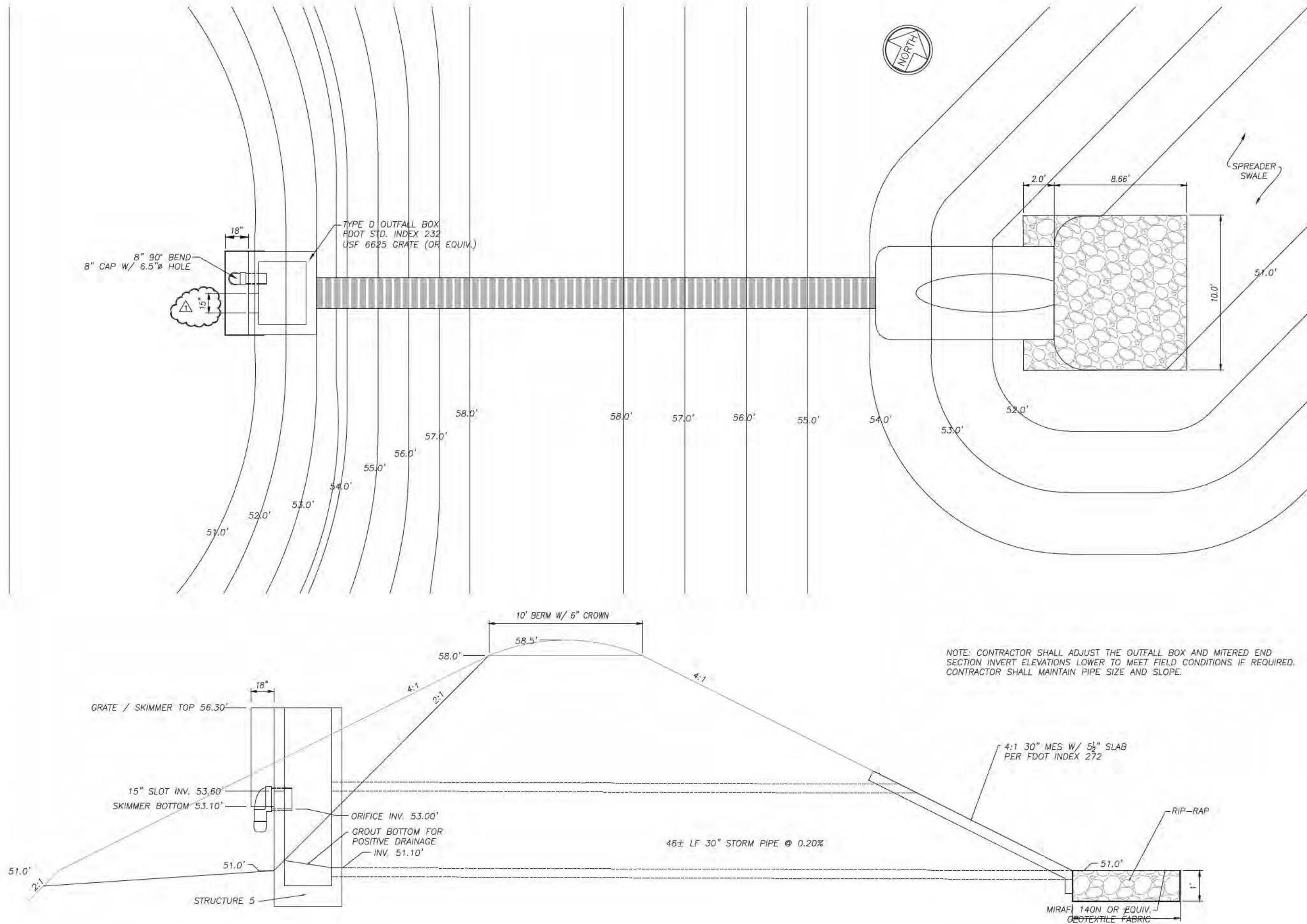
INTERMODAL DISTRIBUTION
CENTER
STORMWATER GRADING &
DRAINAGE PONDS 6 & 7

ATKINS
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD
ZACKARY W. STUIR
FL P.E. NO. 77671
DRAWN BY: ZWS
DESIGNED BY: ZWS
CHECKED BY: —
APPROVED BY: —
PROJECT NUMBER: 100049074
DRAWING NUMBER: C-103



Users: kuba8797
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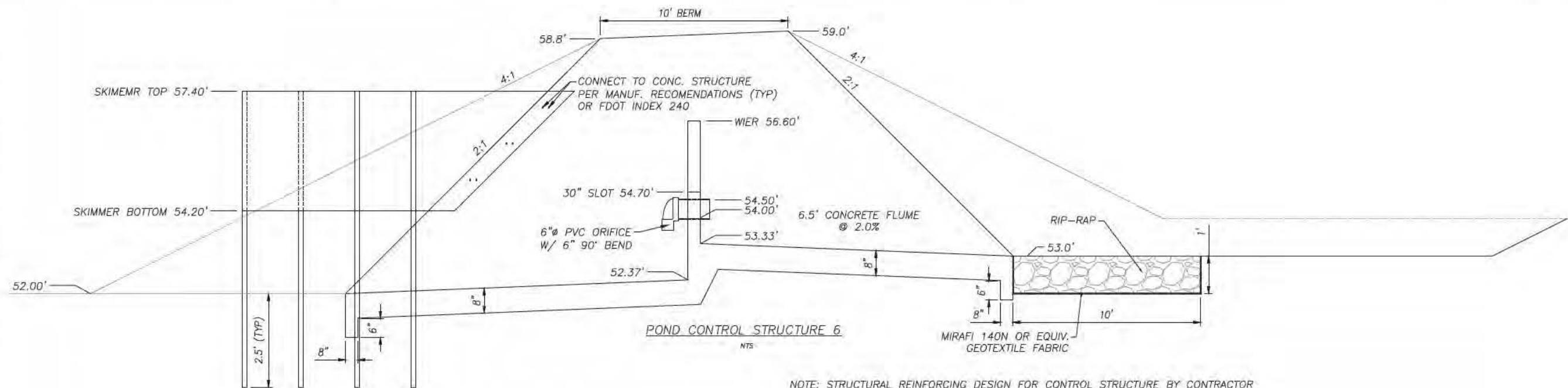
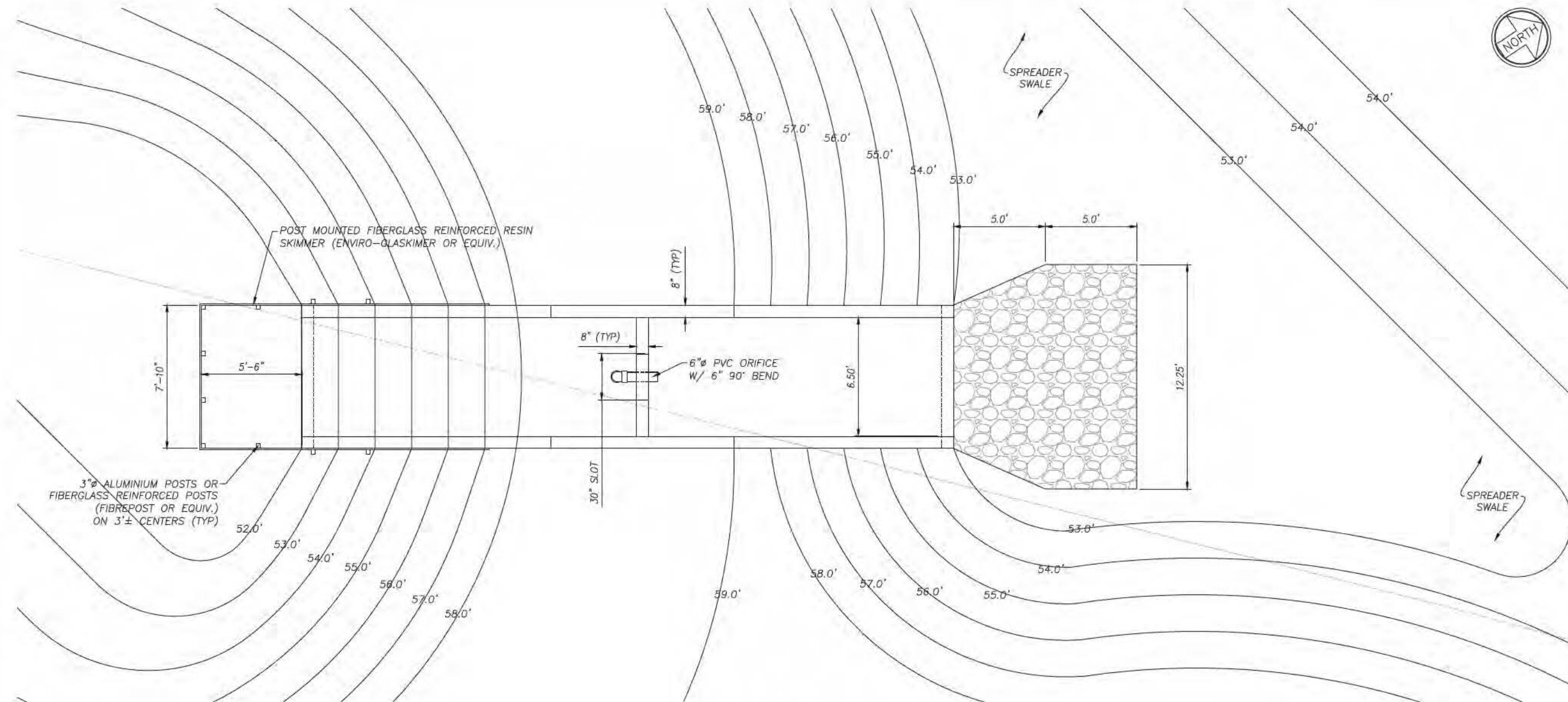


INTERMODAL DISTRIBUTION
CENTER
STORMWATER GRADING &
DRAINAGE DETAILS

ATKINS
2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD
ZACKARY W. STUBB FL. P.E. NO. 77671
DRAWN BY: ZWS
DESIGNED BY: ZWS
CHECKED BY: —
APPROVED BY: —
PROJECT NUMBER: 100049074
DRAWING NUMBER: C-107

Users: hule8797
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NOTE: STRUCTURAL REINFORCING DESIGN FOR CONTROL STRUCTURE BY CONTRACTOR

INTERMODAL DISTRIBUTION
CENTER
STORMWATER GRADING &
DRAINAGE DETAILS

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STEHR
FL. P.E. NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

CHECKED BY: —

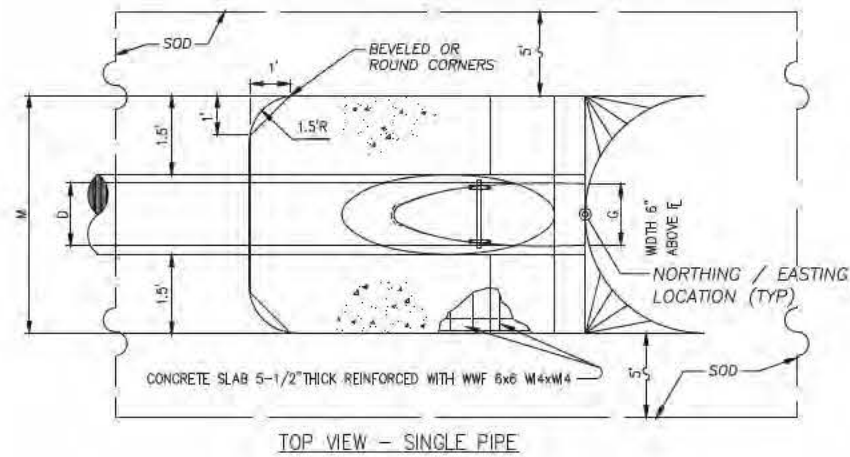
APPROVED BY: —

PROJECT NUMBER 100049074

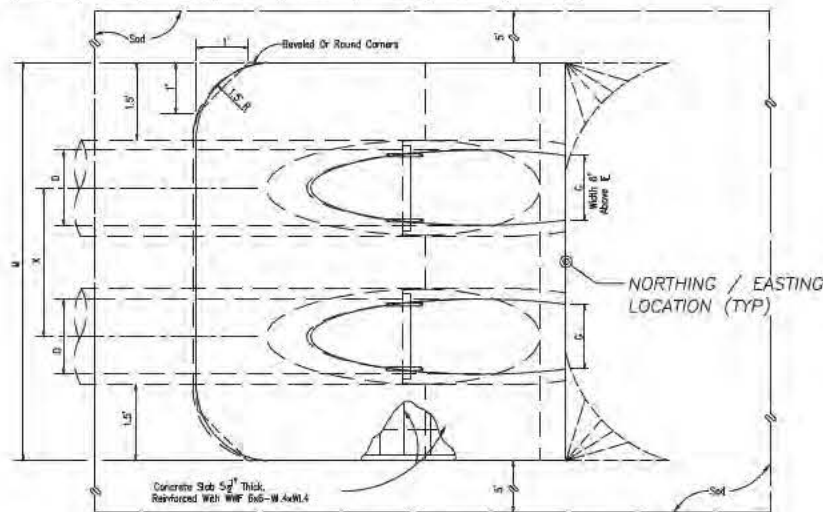
DRAWING NUMBER C-108

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DIMENSIONS AND QUANTITIES															
	D	X	A	B	C	E	F	G	M		N	5" CONC. SLAB (CY)		SODDING (SQ.YDS)	
									SINGLE	DOUBLE		SINGLE	DOUBLE	SINGLE	DOUBLE
2:1 Slope	30"	5'-1"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	6.08'		1.29'	0.66		26	
	36"		2.25'	6.08'	8.33'	5.56'	9'	2.24'		11.75'	1.33'		1.38		34
4:1 Slope	30"		2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'		1.10'	1.74		31	

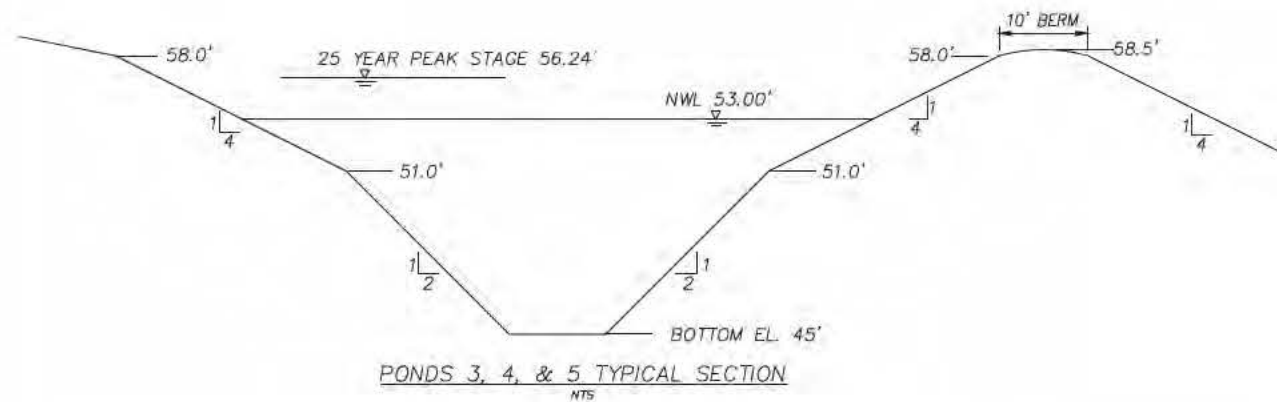
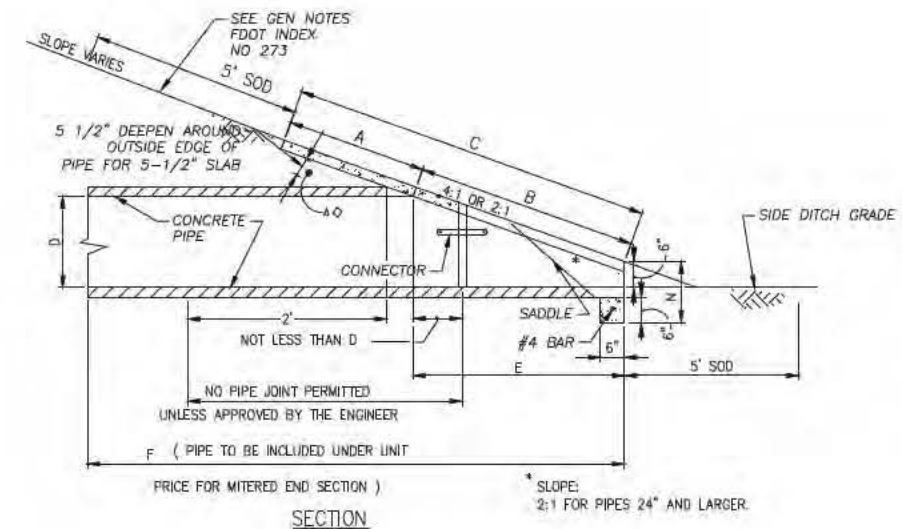


TOP VIEW - SINGLE PIPE

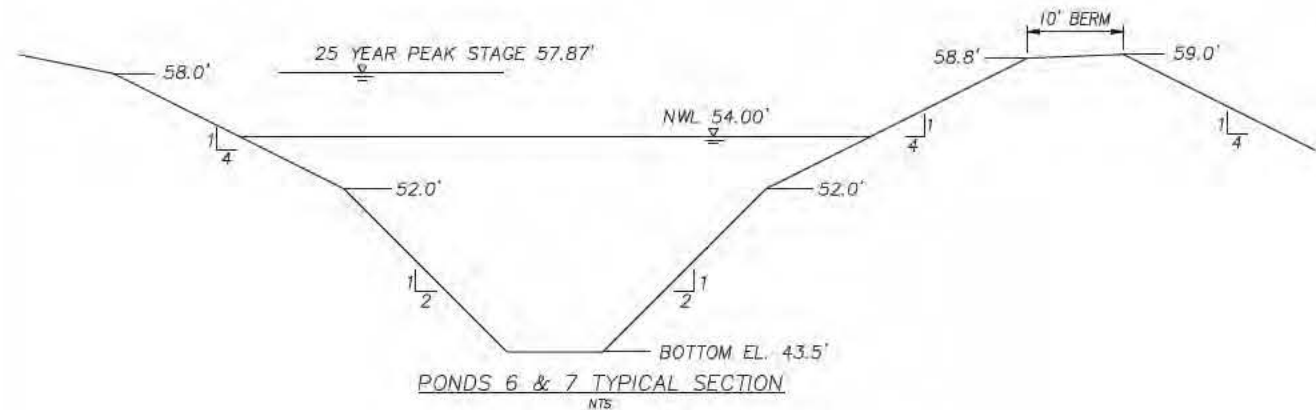


TOP VIEW-MULTIPLE PIPE

MITERED END SECTION
NTS



PONDS 3, 4, & 5 TYPICAL SECTION
NTS



PONDS 6 & 7 TYPICAL SECTION
NTS

GRASSING / SODDING NOTES:

1. SOD ALL SLOPES STEEPER THAN 4:1
2. PROVIDE 30" SOD STRIPS ON ALL 4:1 SLOPES AS FOLLOWS:
 - A. AT TOE OF SLOPE
 - B. AT TOP OF BANK
 - C. AS REQUIRED TO RESULT IN NO UNSODDED WIDTHS GREATER THAN 6' ON THE SLOPE.
3. SEED & MULCH / HYDROMULCH ALL OTHER DISTURBED AREAS
4. PROVIDE 5' SOD SURROUNDING ALL STRUCTURES / MESs WHERE NOT RIP-RAP OR CONCRETE.
5. SEE GENERAL NOTES AND SPECIFICATIONS FOR SOIL PREPARATIONS PRIOR TO GRASSING / SODDING.

INTERMODAL DISTRIBUTION
CENTER
STORMWATER GRADING &
DRAINAGE DETAILS

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STUBB
FL. P.E. NO. 77671

DRAWN BY: ZWS

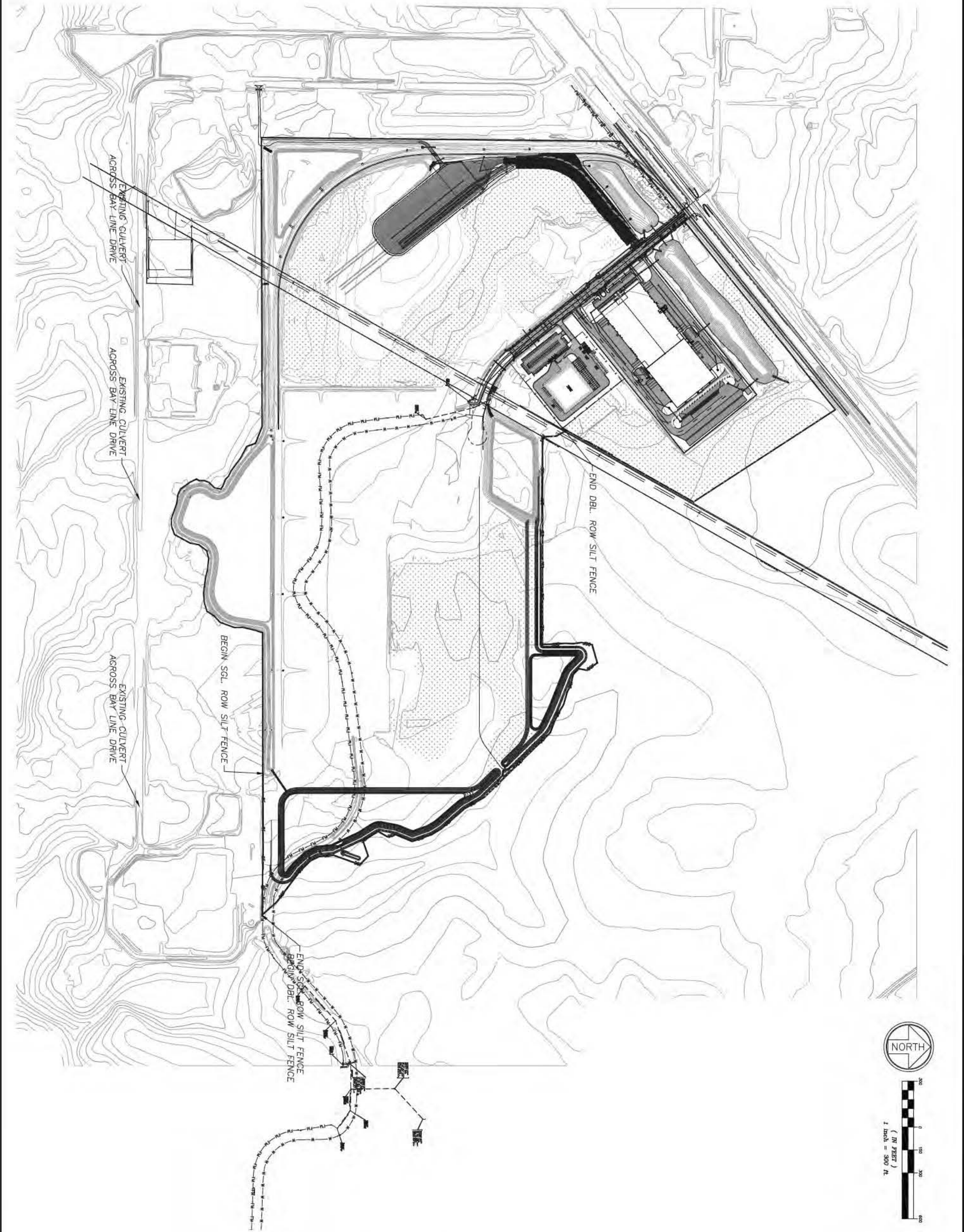
DESIGNED BY: ZWS

CHECKED BY: —

APPROVED BY: —

PROJECT NUMBER 100049074

DRAWING NUMBER C-109



NUMBER		REVISIONS		DATE	APPROVED BY

ENGINEER OF RECORD	
ZACKARY W. STUBBS FL PR. NO. 70013	
DRAWN BY: ZWS	
DESIGNED BY: ZWS	
CHECKED BY: —	
APPROVED BY: —	
PROJECT NUMBER	100049074
DRAWING NUMBER	C-200

ATKINS
2114 AIRPORT BLVD., SUITE 1450 PENSACOLA, FLORIDA 32504 PHONE NO. 850.478.9844 CERTIFICATE OF AUTHORIZATION NO. 24

INTERMODAL DISTRIBUTION CENTER
S.W.P.P. SITE PLAN

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

- * NO MORE THAN 20 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE OWNER.
- * ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.50 INCH OR GREATER.
- * THE SUPERINTENDANT AND ANY OTHER PERSON APPOINTED TO PERFORM NPDES INSPECTIONS SHALL BE A CERTIFIED INSPECTOR PURSUANT TO NPDES REGULATIONS.
- * ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- * BUILT UP SEDIMENT WILL BE REMOVED FROM SILT BARRIERS WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE BARRIER.
- * SILT BARRIERS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- * THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.
- * DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- * TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- * A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS AVAILABLE FROM THE ENGINEER. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
- * PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES
IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- * UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION). ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

POLLUTION PREVENTION PLAN 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 PROPERLY 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.

SIGNED: _____
ZACKARY W. STUHR, P.E.

DATED: _____

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND SEDIMENTATION CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED:

FDEP GENERAL STORMWATER PERMIT #03-0169513-003-RG ISSUED 03/30/05; REV. 09/26/06

PANAMA CITY DEVELOPMENT ORDER ISSUED 04/20/06

FDEP DREDGE & FILL PERMIT #03-0169513-002-DF ISSUED 02/09/06

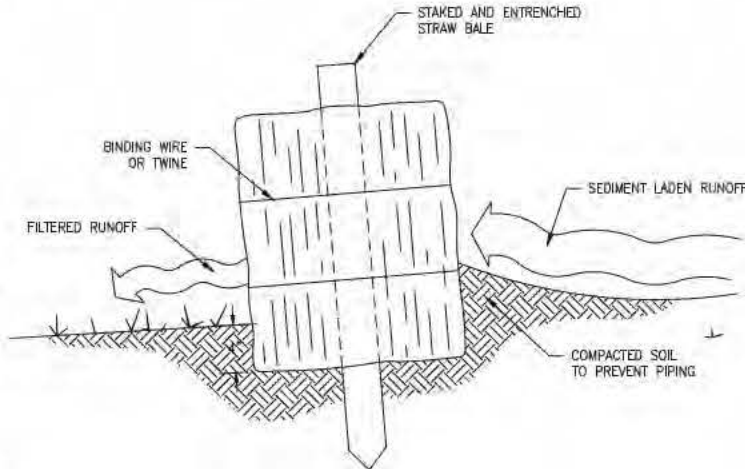
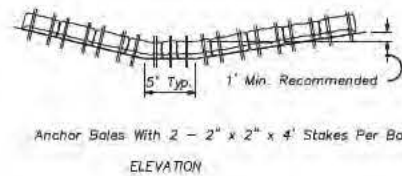
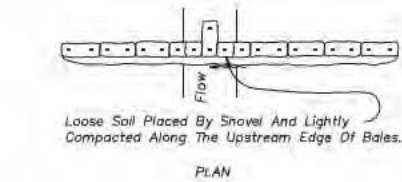
U.S. ARMY CORPS OF ENGINEERS #SAJ-1995-2410(IP-DEB) ISSUED 02/14/06

NPDES (SITE CONSTRUCTION ACTIVITIES) #BY CONTRACTOR

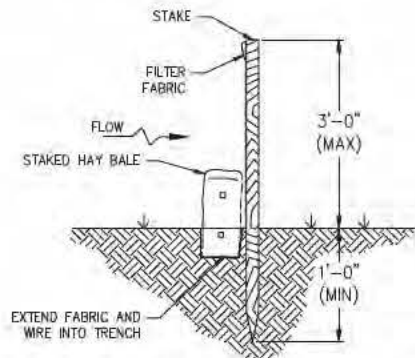
CONTRACTOR'S CERTIFICATION

CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNED: _____
CONTRACTOR
DATED: _____

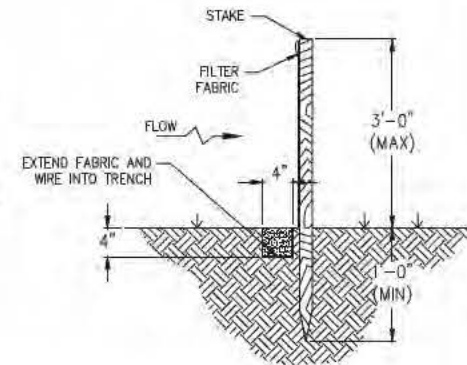
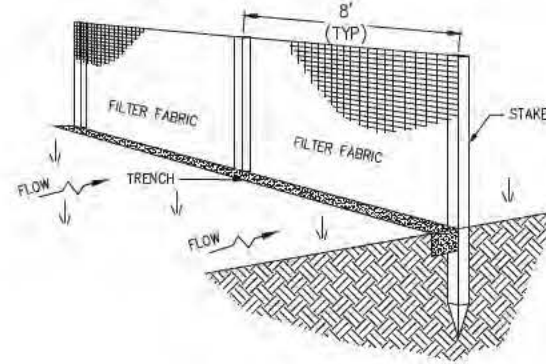


TYPE 1 HAY BALE BARRIER FOR UNPAVED DITCH
(FDOT INDEX #102)



NOTE: CONTRACTOR MAY SUBSTITUTE SYNTHETIC BALES FOR STRAW BALES

SILT FENCE W/ STRAW BALE
NTS



- NOTES:
1. SET THE POSTS AND EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
 2. STAPLE WIRE FENCING TO THE POSTS.
 3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
 4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

SILT FENCE
(FDOT INDEX #102)
NTS

SHEET FLOW APPLICATION: SILT FENCE

GENERAL NOTES

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED AS DESCRIBED IN ITEM NO. 8 BELOW.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
8. WHEN ATTACHING TWO SILT FENCES TOGETHER, PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS AT LEAST 180 DEGREES ON A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FILTER FABRIC. DRIVE BOTH POSTS INTO THE GROUND AND BURY THE FLAP.
9. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
10. THE MOST EFFECTIVE APPLICATION CONSISTS OF A DOUBLE ROW OF SILT FENCES SPACED A MINIMUM OF 3 FEET APART. THE 3-FOOT SEPARATION IS SO THAT IF THE FIRST ROW COLLAPSES, IT WILL NOT FALL ON THE SECOND ROW. WIRE OR SYNTHETIC MESH MAY BE USED TO REINFORCE THE FIRST ROW.
11. WHEN USED TO CONTROL SEDIMENTS FROM A STEEP SLOPE, SILT FENCES SHOULD BE PLACED AWAY FROM THE TOE OF THE SLOPE FOR INCREASED HOLDING CAPACITY.
12. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
13. CONTRACTOR MAY SUBSTITUTE SILT FENCE WITH STRAW BALE IN LIEU OF DOUBLE SILT FENCE.
14. CONTRACTOR MAY SUBSTITUTE SYNTHETIC BALES FOR STRAW BALES.

MAINTENANCE NOTES:

1. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDDED.

DOUBLE ROW STAKED SILT FENCE
NTS (FDOT INDEX #102)

INTERMODAL DISTRIBUTION
CENTER

S.W.P.P. NOTES

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

ZACKARY W. STUHR
FL. P.E. NO. 77671

DRAWN BY: ZWS

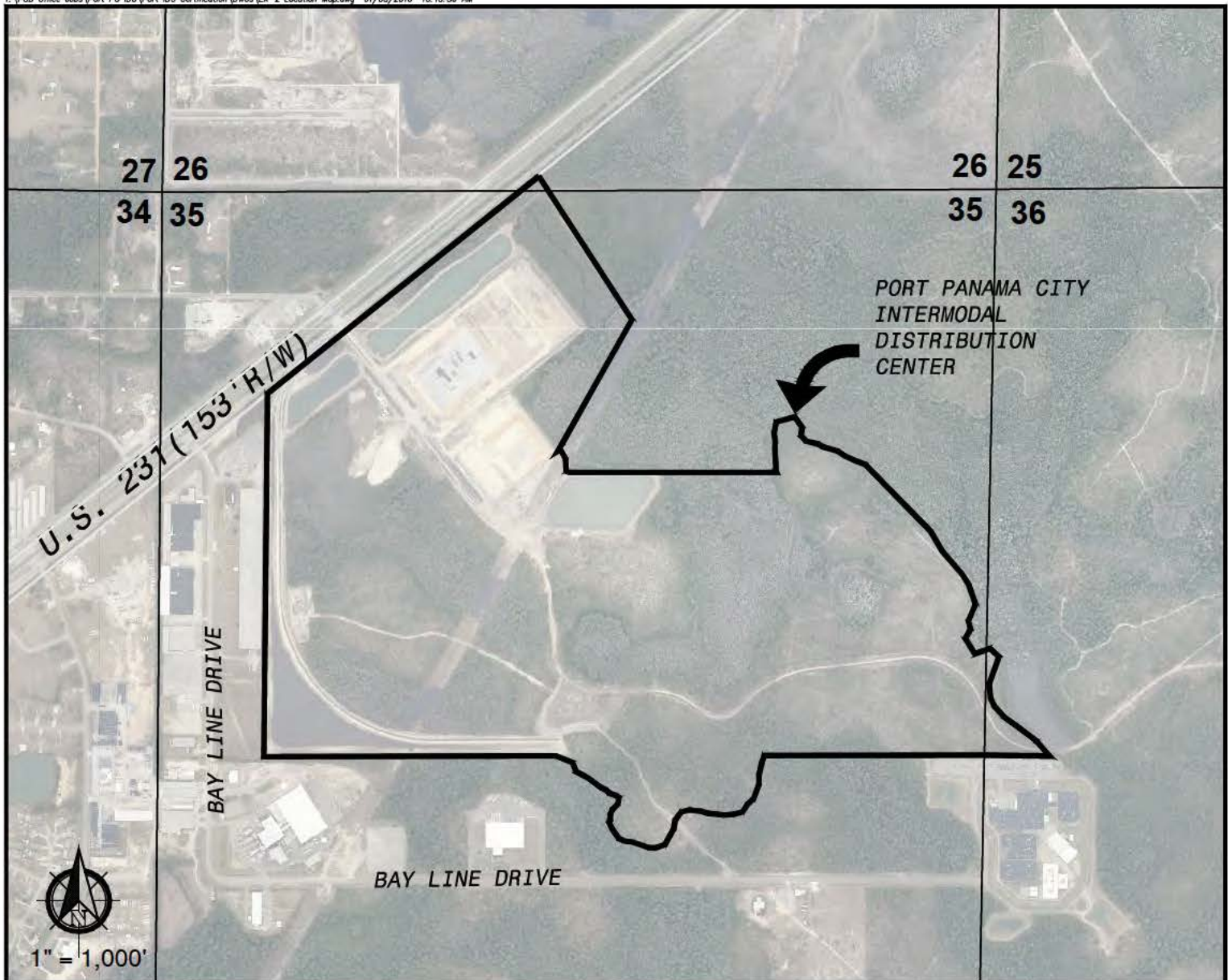
DESIGNED BY: ZWS

CHECKED BY: _____

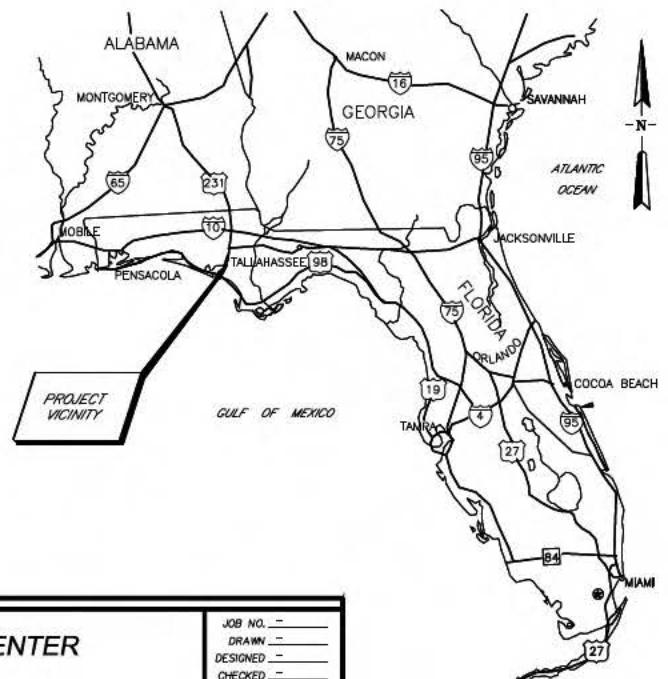
APPROVED BY: _____

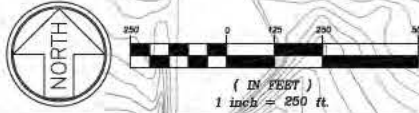
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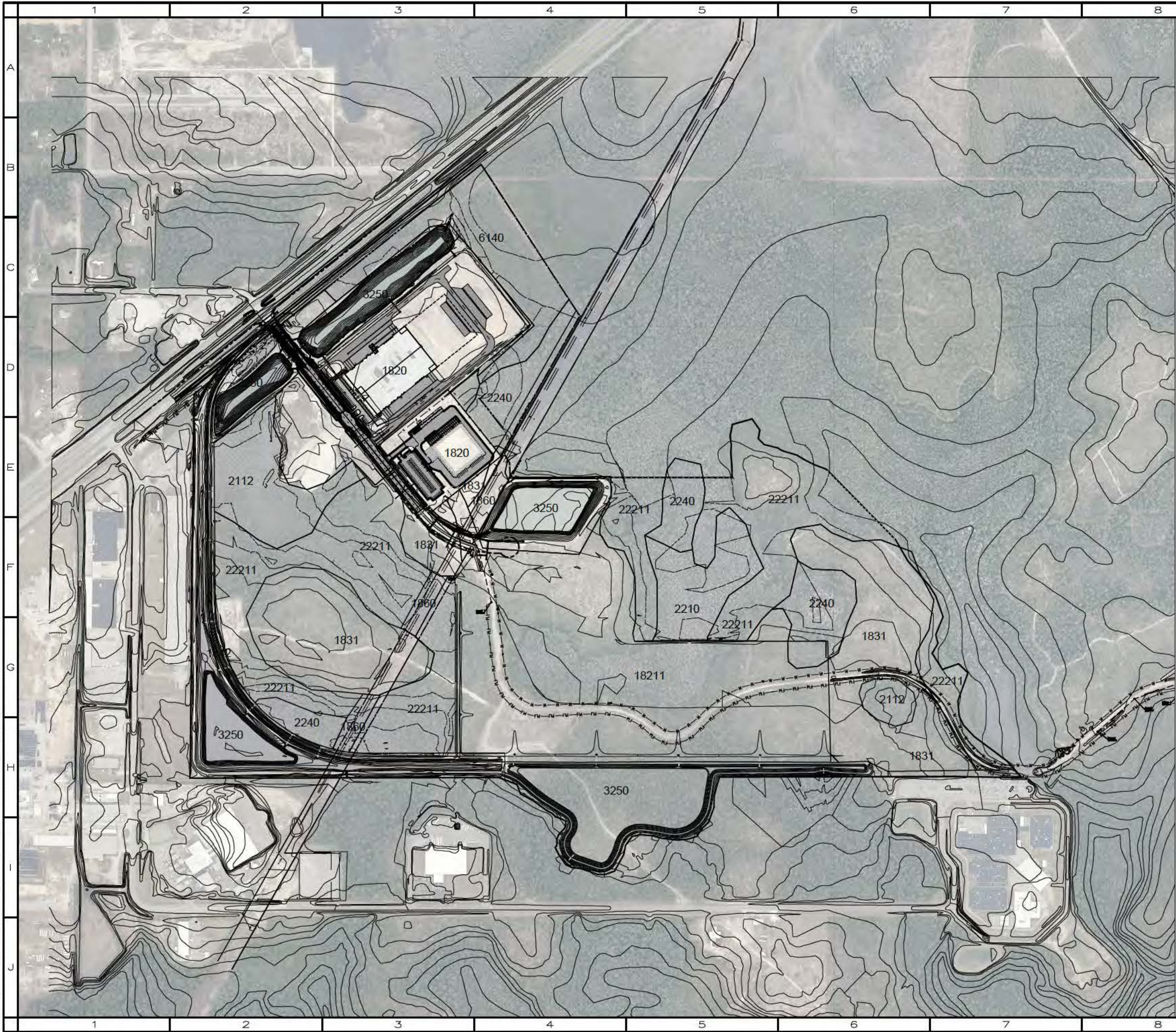
DRAWING NUMBER: C-202



SECTION 35, TWP 2 S, RGE 13 W
BAY COUNTY, FL







FLUCCS LEGEND

- 1820 URBAN
- 1821 URBAN OPEN LAND
- 1831 RURAL OPEN
- 1300 PINE FLATWOODS AND DRY PRAIRIE
- 6140 TITI SWAMPS
- 2210 CYPRESS
- 2221 HYDRIC PINE FLATWOODS
- 2240 OTHER WETLAND FORESTED MIXED
- 2112 MIXED SCRUB-SHRUB WETLAND
- 1842 RAIL ROAD
- 1860 UTILITIES
- 3250 STORMWATER TREATMENT FACILITIES

SOURCE: FGDL NWFWM 2010 GIS

DME F. CROWELL
FL #45943

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CLIENT: PANAMA CITY PORT AUTHORITY
PROJECT: INTERMODAL DISTRIBUTION CENTER
BULK RAIL TRANSFER FACILITY
TITLE: AERIAL MAP

ATKINS
120 Richard Jackson Blvd., Suite 200
Panama City Beach, FL 32407 (904) 236-9675
www.atkinsglobal.com
Certificate of Authorization No. 24

JOB NO.: 100032069
DRAWN: ZWS
DESIGN: DEC
CHECKED: GB
APPROVED: DEC
SHEET NO.: EX-02
REV.

0 150' 300' 600'





**PORT PANAMA CITY
INTERMODAL DISTRIBUTION CENTER
CURRENT CONDITIONS
WETLAND MAP WITH AERIAL**

ATKINS

100 RICHARD JACKSON BLVD., SUITE 120
PANAMA CITY BEACH, FLORIDA 32407
PHONE NO. 850.236.8675
CERTIFICATE OF AUTHORIZATION NO. 24

ENGINEER OF RECORD

DALE E. CRONWELL

DRAWN BY: ZW

CHECKED BY: DEC

APPROVED BY: DEC

PROJECT _____

DRAWING
NUMBER **FIG.03A**

