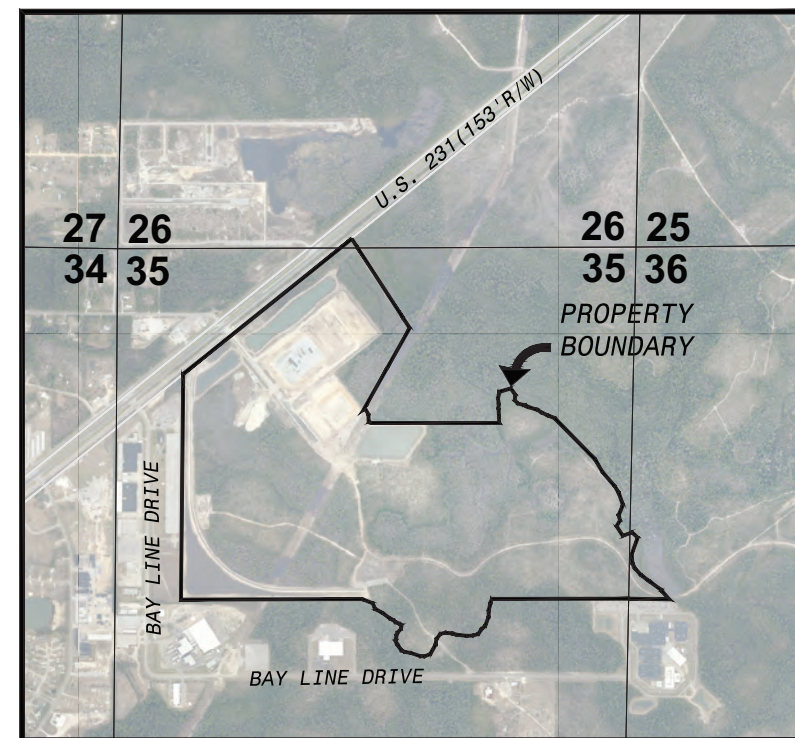


[illegible]

The map displays the southeastern United States, specifically Alabama, Georgia, and Florida. Key cities labeled include Montgomery, Mobile, Pensacola, Tallahassee, Macon, Savannah, Jacksonville, Orlando, Tampa, Cocoa Beach, and Miami. Major highways are shown with their respective route numbers: 65, 231, 10, 75, 95, 19, 4, 27, and 84. The Atlantic Ocean is to the east, and the Gulf of Mexico is to the south. A callout box labeled "PROJECT VICINITY" points to the area near Tallahassee and Pensacola. A north arrow is located in the upper right corner.



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 & Drainge 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 & Drainge Pond 5	2016 / 06 / 22	0	---- / -- / --
C-103	Stormwater Grading & Drainge Ponds 6 & 7	2016 / 06 / 22	0	---- / -- / --
C-104	Stormwater Grading & Drainage Details	2016 / 06 / 22	0	---- / -- / --
C-107	Stormwater Grading & Drainge Details	2016 / 06 / 22	0	---- / -- / --
C-108	Stormwater Grading & Drainge Details	2016 / 06 / 22	0	---- / -- / --
C-109	Stormwater Grading & Drainge 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

NUMBER	1000 1207 1
DRAWING	C 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: FGDL NWFWM D 2010 GIS



INTERMODAL DISTRIBUTION CENTER

AERIAL MAP

ATKINS

2114 AIRPORT BLVD., SUITE 1450
PENSACOLA, FLORIDA 32504
PHONE NO. 850.478.9844

ENGINEER OF RECORD

ZACKARY W. STUHR
FL PE NO. 77671

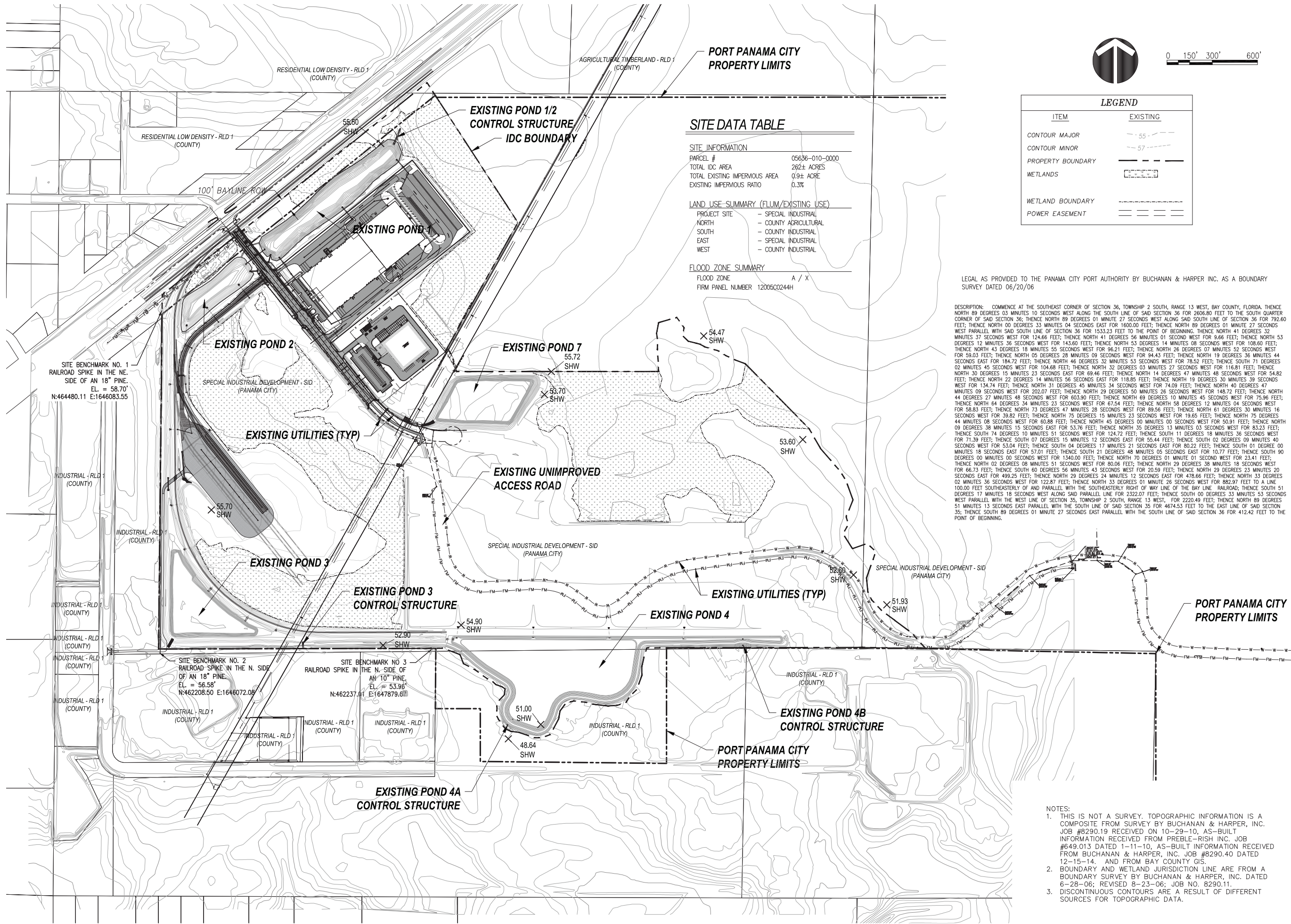
DRAWN BY: ZWS

DESIGNED BY: ZWS

CHECKED BY: ---

APPROVED BY: ---

NUMBER	1000490
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	55
CONTOUR MINOR	57
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 2606.80 FEET TO THE SOUTH QUARTER CORNER OF SAID SECTION 36; THENCE NORTH 89 DEGREES 01 MINUTE 27 SECONDS WEST ALONG SAID SOUTH LINE OF SECTION 36 FOR 792.60 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 124.66 FEET; THENCE NORTH 41 DEGREES 56 MINUTES 01 SECOND WEST FOR 9.66 FEET; THENCE NORTH 53 DEGREES 12 MINUTES 36 SECONDS WEST FOR 143.60 FEET; THENCE NORTH 53 DEGREES 14 MINUTES 08 SECONDS WEST FOR 108.60 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 14 DEGREES 36 MINUTES 44 SECONDS EAST FOR 184.72 FEET; THENCE NORTH 46 DEGREES 32 MINUTES 53 SECONDS WEST FOR 78.52 FEET; THENCE SOUTH 71 DEGREES 02 MINUTES 45 SECONDS WEST FOR 104.68 FEET; THENCE NORTH 32 DEGREES 03 MINUTES 27 SECONDS WEST FOR 116.81 FEET; THENCE NORTH 30 DEGREES 15 MINUTES 23 SECONDS EAST FOR 69.46 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 603.90 FEET; THENCE NORTH 69 DEGREES 10 MINUTES 46 SECONDS WEST FOR 75.96 FEET; THENCE NORTH 64 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 39.82 FEET; THENCE NORTH 75 DEGREES 15 MINUTES 23 SECONDS WEST FOR 19.65 FEET; THENCE NORTH 75 DEGREES 44 MINUTES 08 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 53.04 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 29 DEGREES 38 MINUTES 18 SECONDS WEST FOR 66.73 FEET; THENCE SOUTH 60 DEGREES 56 MINUTES 43 SECONDS WEST FOR 20.59 FEET; THENCE NORTH 29 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:

- 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.
- 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.
- DISCONTINUOUS CONTOURS ARE A RESULT OF DIFFERENT SOURCES FOR TOPOGRAPHIC DATA.

INTERMODAL DISTRIBUTION CENTER

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 C-001

GENERAL NOTES

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

SEED MIX FOR GRASSING SHALL BE:

UNHULLED BERMUDA - 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.
- 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.
- THE ENGINEER WILL PROVIDE THE FINAL APPROVED CADD FILES TO CONTRACTOR FOR HORIZONTAL GEOMETRY LAYOUT AND CONSTRUCTION STAKING.
- 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.
- 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

- CONTRACTOR SHALL CONDUCT SITE OPERATIONS IN A MANNER THAT DOES NOT CAUSE OR ALLOW OFFSITE TRANSPORT OF SEDIMENT.
- 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.
- 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.
- CONTRACTOR SHALL INSPECT THE SEDIMENT CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER EVERY RAINFALL EVENT OF 1/2" OR MORE.
- CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY SEDIMENT CONTROL MEASURE THAT IS RENDERED DAMAGED OR INEFFECTIVE BY NORMAL USE OR EXTREME RAINFALL EVENTS.
- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
- CONTRACTOR SHALL SOD, GRASS, OR OTHERWISE STABILIZE ALL DISTURBED AREAS AS SOON AS PRACTICAL FOLLOWING GRADING OPERATIONS.
- 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

- ALL CLEARED AND GRUBBED MATERIALS SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
- 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.
- ALL MATERIALS RESULTING FROM GRINDING/MULCHING AND/OR BURNING SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED BY THE OWNER.

STOCKPILING

- 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.
- 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

- 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.
- 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.
- 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.
- OWNER WILL OBTAIN A DEVELOPMENT ORDER (D.O.) FROM PANAMA CITY. CONTRACTOR SHALL ABIDE BY THE CONDITIONS OF THE D.O.
- CONTRACTOR SHALL OBTAIN EXEMPTION OR PERMIT AS APPROPRIATE FOR DEWATERING. CONTRACTOR SHALL PERFORM TESTS AND FOLLOW DEWATERING EXEMPTION/PERMIT CONDITIONS AS APPROPRIATE.
- 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 NWFWMD, 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:

- DISCHARGE STRUCTURE(S) - MATERIALS, LOCATIONS, DIMENSIONS, AND ELEVATIONS OF ALL, INCLUDING WEIRS, ORIFICES, GATES, PUMPS, PIPES, AND OIL AND GREASE SKIMMERS.
- 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.
- 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.
- 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).
- 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.
- WATER LEVEL(S) - EXISTING WATER ELEVATION(S) AND THE DATE DETERMINED.
- BENCHMARK(S) - LOCATION AND DESCRIPTION (MINIMUM OF ONE PER MAJOR WATER CONTROL STRUCTURE).

DEWATERING NOTES

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

PERIMETER BERM CONSTRUCTION NOTES

- 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.
- 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.
- SEE GENERAL NOTE 8.



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GENERAL NOTES

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2114 AIRPORT BLVD., SUITE 1450
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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: ---

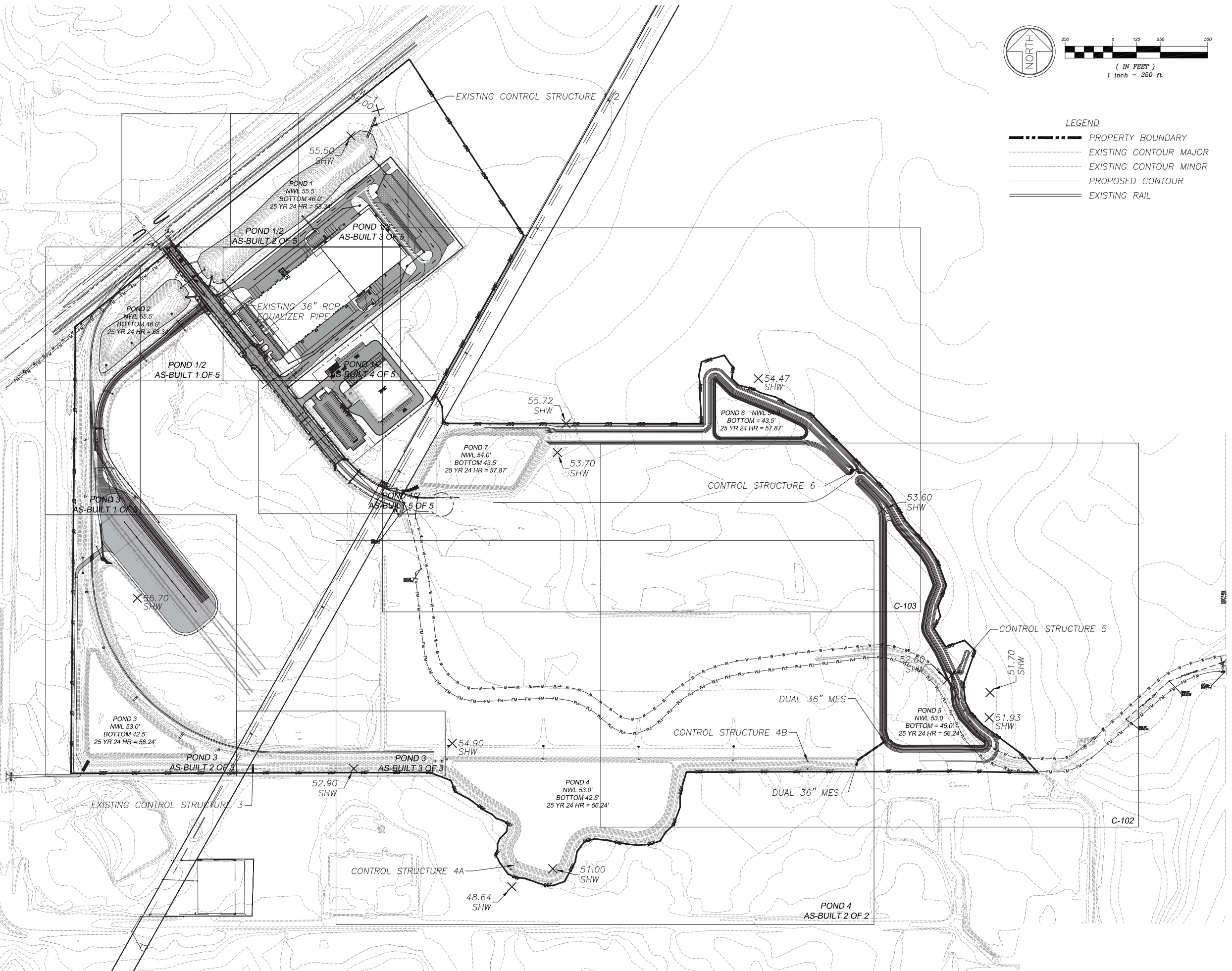
APPROVED BY:---

PROJECT NUMBER 100049074

DRAWING NUMBER C-002



 PROPERTY BOUNDARY
 EXISTING CONTOUR MAJOR
 EXISTING CONTOUR MINOR
 PROPOSED CONTOUR
 EXISTING RAIL



**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. STUHR
FL PE NO. 77671

DRAWN BY: ZWS

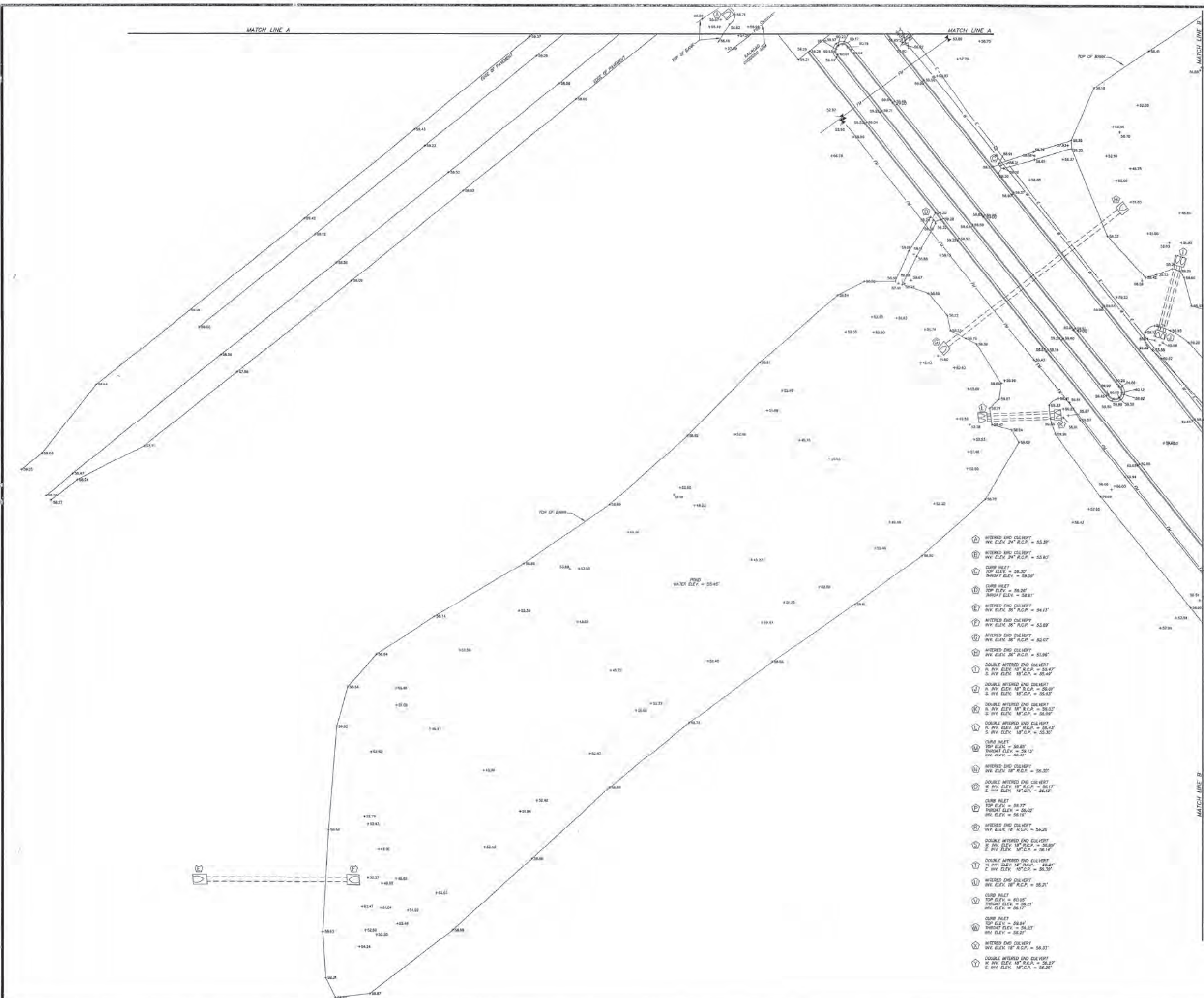
DESIGNED BY: ZWS

CHECKED BY: ---

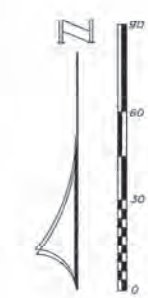
APPROVED BY: ---

PROJECT NUMBER	100049074
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DRAWING NUMBER	C-100
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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
DEGREES	DEGREES
MINUTES OR FEET	MINUTES OR FEET
SECONDS OR INCHES	SECONDS OR INCHES
FOUND	FOUND
CORNER	CORNER
NO.	NUMBER
CONC.	CONCRETE
R/W	RIGHT OF WAY
C.M.	CONCRETE MONUMENT
L.P.	IRON PIPE
R.R.	IRON ROD
BUILD.	BUILDING
N.G.V.D.	NATIONAL GEODETIC VERTICAL DATUM
BEARING	BEARING
ELEV.	ELEVATION
BM	BENCH MARK
C.M.P.	CORRUGATED METAL PIPE
R.C.P.	ROUND CONCRETE PIPE
C.L.	CENTERLINE
P.O.	POWER POLE
W.M.	WATER METER
F.H.	FIRE HYDRANT
W.V.	WATER VALVE
F.M.V.	FORCE MAIN VALVE
S.S.M.	SAUTARY SEWER MANHOLE
A.T.M.	AT&T TELEPHONE MANHOLE
L.P.	LIGHT POLE
O.H.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.M.	UNDER GROUND FORCE MAIN
U.G.E.	UNDER GROUND ELECTRICAL LINE
F.O.C.	FIBER OPTIC CABLE
G.A.	GUY ANCHOR
S.E.	SPOT ELEVATION
M.S.	METAL SIGN
S.S.	SEWER STUBOUT
P.L.	6" PVC LATERAL (STUBOUT)
T.B.	TELEPHONE BOX
E.B.	ELECTRICAL STUBOUT
T.B.	TELEVISION BOX
W.S.	WATER SUPPLY



- 1. METERED END CULVERT
INV. ELEV. 24" R.C.P. = 55.39'
- 2. METERED END CULVERT
INV. ELEV. 24" R.C.P. = 55.50'
- 3. CURB INLET
TOP ELEV. = 59.30'
THROAT ELEV. = 58.58'
- 4. CURB INLET
TOP ELEV. = 59.36'
THROAT ELEV. = 58.81'
- 5. METERED END CULVERT
INV. ELEV. 36" R.C.P. = 54.13'
- 6. METERED END CULVERT
INV. ELEV. 36" R.C.P. = 53.89'
- 7. METERED END CULVERT
INV. ELEV. 36" R.C.P. = 52.07'
- 8. METERED END CULVERT
INV. ELEV. 36" R.C.P. = 51.94'
- 9. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 55.47'
S. INV. ELEV. 18" R.C.P. = 55.49'
- 10. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.01'
S. INV. ELEV. 18" R.C.P. = 55.93'
- 11. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 55.92'
S. INV. ELEV. 18" R.C.P. = 55.92'
- 12. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 55.43'
S. INV. ELEV. 18" R.C.P. = 55.35'
- 13. CURB INLET
TOP ELEV. = 58.85'
THROAT ELEV. = 58.13'
INV. ELEV. = 56.57'
- 14. METERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.30'
- 15. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.17'
S. INV. ELEV. 18" R.C.P. = 56.12'
- 16. CURB INLET
TOP ELEV. = 58.77'
THROAT ELEV. = 58.02'
INV. ELEV. = 56.18'
- 17. METERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.20'
- 18. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.08'
S. INV. ELEV. 18" R.C.P. = 56.14'
- 19. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.24'
S. INV. ELEV. 18" R.C.P. = 56.30'
- 20. METERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.21'
- 21. CURB INLET
TOP ELEV. = 60.05'
THROAT ELEV. = 58.21'
INV. ELEV. = 56.77'
- 22. CURB INLET
TOP ELEV. = 59.84'
THROAT ELEV. = 58.23'
INV. ELEV. = 56.21'
- 23. METERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.33'
- 24. DOUBLE METERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.27'
S. INV. 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 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 151017-8, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.022, FLORIDA STATUTES.

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

[Signature]
MARION E. WALSH
FLORIDA LAND SURVEYOR
CERTIFICATE NO. 3267
Not valid without the signature and the original record seal of Florida Licensed Surveyor & Mapper.

SHEET 1 OF 5

SURVEY FOR:	
MARSHALL BROTHERS INDUSTRIAL, INC.	
County Wide Surveying, Inc.	
LB No. 3929	
958 JENKS AVENUE PHONE No. (850) 789-0345	PANAMA CITY, FL 32401 FAX No. (850) 785-4789
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. 06-1798-1	F.B. 552 PAGE 49 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.

MATCH LINE D

MATCH LINE E

MATCH LINE E

MATCH LINE D

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
+	DEGREES
'	MINUTES OR FEET
"	SECONDS OR INCHES
FD.	FOUND
CONC.	CONCRETE
NO.	NUMBER
CONC.	CONCRETE
RIGHT OF WAY	RIGHT OF WAY
C.M.	CONCRETE MONUMENT
I.P.	IRON PIPE
I.R.	IRON ROD
BLDG.	BUILDING
NAT.	NATIONAL GEOGRAPHIC VERTICAL DATUM
BRG.	BEARING
ELEV.	ELEVATION
BN.	BEACH MARK
C.M.P.	CORRUGATED METAL PIPE
R.C.P.	ROUND CONCRETE PIPE
6	CENTERLINE
PO	POWER POLE
WM	WATER METER
FD	FIRE HYDRANT
WV	WATER VALVE
FMV	FORCE MAIN VALVE
SMH	SANITARY SEWER MANHOLE
AT&T	AT&T TELEPHONE MANHOLE
LP	LIGHT POLE
OW	OVERHEAD WIRE
UGWL	UNDER GROUND WATER LINE
UGGL	UNDER GROUND GAS LINE
UGTL	UNDER GROUND TELEPHONE LINE
UGFM	UNDER GROUND FORCE MAIN
UGEL	UNDER GROUND ELECTRICAL LINE
FOC	FIBER OPTIC CABLE
GA	GUY ANCHOR
+	SPOT ELEVATION
—	METAL SIGN
•	SEWER STUBOUT
•	6" PVC LATERAL (STUBOUT)
•	TELEPHONE BOX
•	ELECTRICAL STUBOUT
•	TELEVISION BOX
•	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, CHAPTER 6101-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

REVISED DRAWING

5-10-07
DATE OF SURVEY

Handwritten signature of Marshall Brothers Industrial, Inc.

MARSHALL BROTHERS INDUSTRIAL, INC.
FLORIDA LAND SURVEYOR
CERTIFICATE NO. 3002

Not valid without the signature and the original related seal of Florida licensed surveyor & mapper.

SHEET 3 OF 5

SURVEY FOR:
MARSHALL BROTHERS INDUSTRIAL, INC.County Wide Surveying, Inc.
LB No. 3929

958 JENKINS AVENUE PANAMA CITY, FL 32401

PHONE No. (850) 769-0345 FAX No. (850) 785-4769

TYPE OF SURVEY AS-BUILT SCALE AS SHOWN

SOURCE OF INFORMATION N/A

BEARING REFERENCE N/A

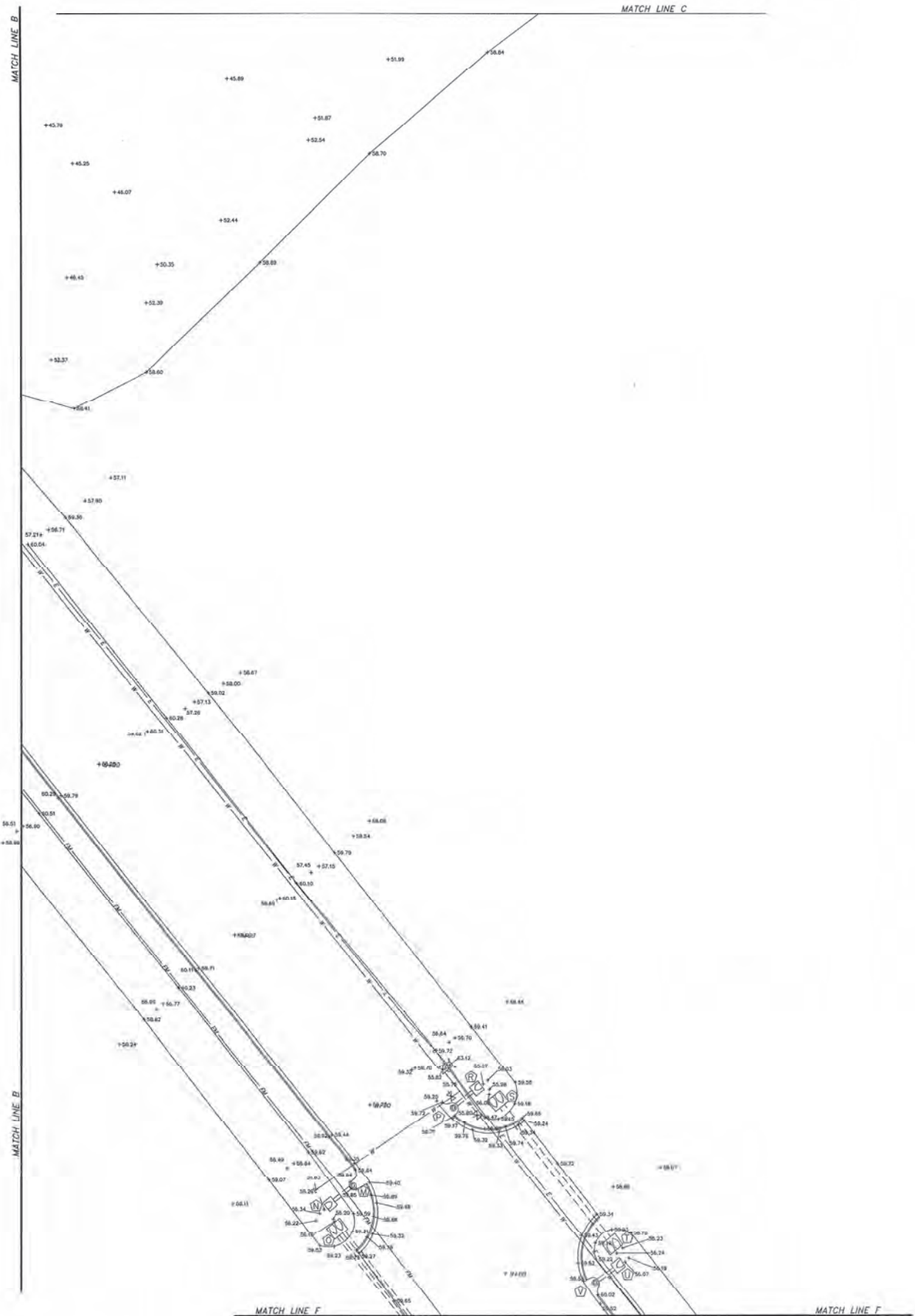
ELEVATION REFERENCE BENCHMARK PROVIDED BY CLIENT AS PER PLANS

JOB No. 06-1798-3 F.B. 352 PAGE 49 CHECKED BY: HW DRAWN BY: TD

- (A) INTERED END CULVERT
INV. ELEV. 24" R.C.P. = 55.50'
- (B) INTERED END CULVERT
INV. ELEV. 24" R.C.P. = 55.60'
- (C) CURB INLET
TOP ELEV. = 58.30'
THROAT ELEV. = 58.59'
- (D) CURB INLET
TOP ELEV. = 58.28'
THROAT ELEV. = 58.61'
- (E) INTERED END CULVERT
INV. ELEV. 36" R.C.P. = 54.13'
- (F) INTERED END CULVERT
INV. ELEV. 36" R.C.P. = 53.88'
- (G) INTERED END CULVERT
INV. ELEV. 36" R.C.P. = 52.07'
- (H) INTERED END CULVERT
INV. ELEV. 36" R.C.P. = 51.36'
- (I) DOUBLE INTERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 54.47'
S. INV. ELEV. 18" R.C.P. = 55.60'
- (J) DOUBLE INTERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 55.07'
S. INV. ELEV. 18" R.C.P. = 55.59'
- (K) DOUBLE INTERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 55.43'
S. INV. ELEV. 18" R.C.P. = 55.35'
- (L) CURB INLET
TOP ELEV. = 58.85'
THROAT ELEV. = 59.13'
- (M) INTERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.30'
- (N) DOUBLE INTERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.17'
S. INV. ELEV. 18" R.C.P. = 56.12'

- (O) CURB INLET
TOP ELEV. = 58.77'
THROAT ELEV. = 58.92'
- (P) INTERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.20'
- (Q) DOUBLE INTERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.09'
S. INV. ELEV. 18" R.C.P. = 56.14'
- (R) DOUBLE INTERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.31'
S. INV. ELEV. 18" R.C.P. = 56.30'
- (S) INTERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.21'
- (T) CURB INLET
TOP ELEV. = 58.85'
THROAT ELEV. = 59.11'
- (U) CURB INLET
TOP ELEV. = 58.84'
THROAT ELEV. = 59.23'
- (V) INTERED END CULVERT
INV. ELEV. 18" R.C.P. = 56.33'
- (W) DOUBLE INTERED END CULVERT
N. INV. ELEV. 18" R.C.P. = 56.27'
S. INV. ELEV. 18" R.C.P. = 56.26'

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



- INTERSECTING END CULVERT
INV. ELEV. 24' R.C.P. = 55.39'
- INTERSECTING END CULVERT
INV. ELEV. 24' R.C.P. = 55.60'
- CURB INLET
TOP ELEV. = 59.30'
THROAT ELEV. = 58.59'
- CURB INLET
TOP ELEV. = 59.28'
THROAT ELEV. = 58.61'
- INTERSECTING END CULVERT
INV. ELEV. 36' R.C.P. = 54.13'
- INTERSECTING END CULVERT
INV. ELEV. 36' R.C.P. = 53.69'
- INTERSECTING END CULVERT
INV. ELEV. 36' R.C.P. = 52.07'
- INTERSECTING END CULVERT
INV. ELEV. 36' R.C.P. = 51.80'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 55.47'
S. INV. ELEV. 18' R.C.P. = 55.49'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.01'
S. INV. ELEV. 18' R.C.P. = 55.93'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.03'
S. INV. ELEV. 18' R.C.P. = 55.99'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 55.43'
S. INV. ELEV. 18' R.C.P. = 55.36'
- CURB INLET
TOP ELEV. = 59.85'
THROAT ELEV. = 59.13'
INV. ELEV. = 56.31'
- INTERSECTING END CULVERT
INV. ELEV. 18' R.C.P. = 56.30'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.17'
S. INV. ELEV. 18' R.C.P. = 56.12'
- CURB INLET
TOP ELEV. = 59.77'
THROAT ELEV. = 59.04'
INV. ELEV. = 56.19'
- INTERSECTING END CULVERT
INV. ELEV. 18' R.C.P. = 56.20'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.09'
S. INV. ELEV. 18' R.C.P. = 56.14'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.21'
S. INV. ELEV. 18' R.C.P. = 56.30'
- INTERSECTING END CULVERT
INV. ELEV. 18' R.C.P. = 56.21'
- CURB INLET
TOP ELEV. = 60.05'
THROAT ELEV. = 59.21'
INV. ELEV. = 56.17'
- CURB INLET
TOP ELEV. = 59.84'
THROAT ELEV. = 59.23'
INV. ELEV. = 56.27'
- INTERSECTING END CULVERT
INV. ELEV. 18' R.C.P. = 56.31'
- DOUBLE INTERSECTING END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.27'
S. INV. ELEV. 18' R.C.P. = 56.28'

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
'	FEET
+	DEGREES
°	MINUTES OR FEET
''	SECONDS OR INCHES
COR.	CORNER
No.	NUMBER
CONC.	CONCRETE
R/W	RIGHT OF WAY
C.M.	CONCRETE MONUMENT
I.P.	IRON PIPE
I.R.	IRON ROD
BUILDING	NATIONAL GEODETIC VERTICAL DATUM
NVD	BEARING
ELEV.	ELEVATION
BM	BENCH MARK
C.M.P.	CORRUGATED METAL PIPE
R.C.P.	ROUND CONCRETE PIPE
E	CENTERLINE
PO	POWER POLE
WM	WATER METER
FL	FIRE HYDRANT
WV	WATER VALVE
FMV	FORCE MAIN VALVE
SS	SANITARY SEWER MANHOLE
AT&T	AT&T TELEPHONE MANHOLE
LP	LIGHT POLE
OW	OVERHEAD WIRE
UW	UNDER GROUND WATER LINE
UG	UNDER GROUND GAS LINE
UT	UNDER GROUND TELEPHONE LINE
FM	UNDER GROUND FORCE MAIN
EL	UNDER GROUND ELECTRICAL LINE
FOC	FIBER OPTIC CABLE
GA	GUY ANCHOR
+	SPOT ELEVATION
+	METAL SIGN
+	SEWER STUBOUT
+	1" PVC LATERAL (STUBOUT)
+	TELEPHONE BOX
+	ELECTRICAL STUBOUT
+	TRIANGULAR SIGN
+	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 81011-8, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

REVISIONS: _____
DATE OF SURVEY: _____

[Signature]
HALOR E. WALSHKROHM
FLORIDA LAND SURVEYOR
CERTIFICATE NO. 33221

Not valid without the signature and the original
raised seal of Florida licensed surveyor in progress.

SHEET 4 OF 5

SURVEY FOR:	
MARSHALL BROTHERS INDUSTRIAL, INC.	
County Wide Surveying, Inc.	
13 No. 3926	
256 JONES AVENUE PHONE NO. (850) 709-0345	PANAMA CITY, FL 32401 FAX NO. (850) 785-4768
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. 06-1798-4	F.B. 552
PAGE 49	CHECKED BY: HW
	DRAWN BY: TD

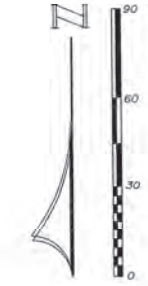
NOTE: THIS AS-BUILT SURVEY SHEET WAS PREPARED FOR PLOTTING ON 36"x24" ARCH D PAPER. THIS PRINT IS NOT TO SCALE.

MATCH LINE F

MATCH LINE F

MATCH LINE G

LEGEND	
SYMBOLS AND ABBREVIATIONS	
P.O.C.	POINT OF COMMENCEMENT
P.O.B.	POINT OF BEGINNING
SEC.	SECTION
T.	TOWNSHIP
N.	NORTH
E.	EAST
S.	SOUTH
W.	WEST
D.	DEGREES
M.	MINUTES OR FEET
S.	SECONDS OR INCHES
FO.	FOUND
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 VERTICAL DATUM
B.M.	BENCH MARK
ELEV.	ELEVATION
BM	BENCH MARK
C.M.P.	CONCRETE MONUMENT
R.C.P.	ROUND CONCRETE PIPE
C.	CENTERLINE
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.	AT&T TELEPHONE MANHOLE
L.P.	LIGHT POLE
O.W.	OVERHEAD WIRE
U.W.L.	UNDER GROUND WATER LINE
U.G.L.	UNDER GROUND GAS LINE
T	UNDER GROUND TELEPHONE LINE
F.M.	UNDER GROUND FORCE MAIN
E	UNDER GROUND ELECTRICAL LINE
F.O.C.	FIBER OPTIC CABLE
G.A.	GUY ANCHOR
S.E.	SPOT ELEVATION
S.E.	SECTION
S.E.	SEWER STUBOUT
S.E.	6" PVC LATERAL (STUBOUT)
S.E.	TELEPHONE BOX
S.E.	ELECTRICAL STUBOUT
S.E.	TELEVISION BOX
S.E.	WATER SUPPLY



- INTERED END CULVERT
INV. ELEV. 24' R.C.P. = 55.30'
- INTERED END CULVERT
INV. ELEV. 24' R.C.P. = 55.60'
- CURB INLET
TOP ELEV. = 58.30'
THROAT ELEV. = 58.30'
- CURB INLET
TOP ELEV. = 58.20'
THROAT ELEV. = 58.81'
- INTERED END CULVERT
INV. ELEV. 30' R.C.P. = 54.13'
- INTERED END CULVERT
INV. ELEV. 30' R.C.P. = 53.89'
- INTERED END CULVERT
INV. ELEV. 30' R.C.P. = 52.07'
- INTERED END CULVERT
INV. ELEV. 30' R.C.P. = 51.96'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 55.41'
S. INV. ELEV. 18' R.C.P. = 55.49'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 55.01'
S. INV. ELEV. 18' R.C.P. = 55.03'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 55.05'
S. INV. ELEV. 18' R.C.P. = 55.09'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 55.45'
S. INV. ELEV. 18' R.C.P. = 55.38'
- CURB INLET
TOP ELEV. = 58.95'
THROAT ELEV. = 58.13'
INV. ELEV. = 55.31'
- INTERED END CULVERT
INV. ELEV. 18' R.C.P. = 56.30'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.17'
S. INV. ELEV. 18' R.C.P. = 56.12'
- CURB INLET
TOP ELEV. = 58.77'
THROAT ELEV. = 59.02'
INV. ELEV. = 56.19'
- INTERED END CULVERT
INV. ELEV. 18' R.C.P. = 56.20'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.09'
S. INV. ELEV. 18' R.C.P. = 56.14'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.21'
S. INV. ELEV. 18' R.C.P. = 56.30'
- INTERED END CULVERT
INV. ELEV. 18' R.C.P. = 56.21'
- CURB INLET
TOP ELEV. = 58.96'
THROAT ELEV. = 58.21'
INV. ELEV. = 56.17'
- CURB INLET
TOP ELEV. = 58.84'
THROAT ELEV. = 58.23'
INV. ELEV. = 56.21'
- INTERED END CULVERT
INV. ELEV. 18' R.C.P. = 56.33'
- DOUBLE INTERED END CULVERT
N. INV. ELEV. 18' R.C.P. = 56.27'
S. INV. ELEV. 18' R.C.P. = 56.36'

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 4807-1, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTIONS 402.02, FLORIDA STATUTES.

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

Handwritten signature of H. E. Edgerton
H. E. Edgerton
FLORIDA LAND SURVEYOR
CERTIFICATE NO. 3307
Not valid without the signature and the original record and all Florida Licensed Surveyors & Mappers.

SHEET 5 OF 5

SURVEY FOR: MARSHALL BROTHERS INDUSTRIAL, INC.	
County Wide Surveying, Inc.	
LB No. 3929	
958 JENKS AVENUE PANAMA CITY, FL 32401 PHONE NO. (850) 788-0345 FAX NO. (850) 788-4799	
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. DE-1798-S	F.B. 352
PAGE 49	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.

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



SCALE: 1"=50'



SITE BENCHMARK NO. 1
RAILROAD SPIKE IN THE N.E.
SIDE OF AN 18" PINE.
EL. = 58.70'
N464480.11 E1646083.55

4"x4" C.M. FD.
N.W. CORNER OF
PROPERTY BOUNDARY

4 VENTS
SW EL=55.60'
NW EL=55.29'
NE EL=55.41'
SE EL=55.41'

EXISTING
RAILROAD
SWITCH

TOP OF CASING
EL=51.68'
TOP OF CASING
EL=51.92'
TOP OF CASING
EL=52.78'

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

TOP OF RAIL RIGHT=58.70
TOP OF RAIL LEFT=58.67

MATCH LINE "A-A"

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 ----- 457.6
EL ----- MEANS ELEVATION
T.E.M. ----- TEMPORARY BENCH MARK
INV. ----- INVERT
ROP ----- REINFORCED CONCRETE PIPE

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
R.C.L. = RECORD CENTER LINE C.I.R. = CENTERLINE OF RAILROAD R.O.P. = RIGHT OF WAY
R.S. = RESURVEYED UTILITY LINES E.C. = AIR CONDITIONER G.L.O. = GENERAL LAND OFFICE CH = CHORD LENGTH
Δ = LINE NOT DRAWN TO SCALE Δ = DELTA ANGLE B = CHORD BEARING L.S. = FL LAND SURVEYOR L.B. = LAND SURVEYOR BUSINESS
D = RECORD CALL; OR RECORD CALL WHEN RECORD AND MEASURED ARE DIFFERENT E/P = EDGE OF PAVEMENT
C.M. = CONCRETE MONUMENT C. = CENTERLINE OF TRANSPORTATION
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER F.D. = FEDERAL HIGHWAY DEPARTMENT OF TRANSPORTATION
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) TITLE SEARCH HAS BEEN MADE TO REVEAL ANY INTERESTS OF RECORD OR 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 BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS PLAT, THAT MAY BE FOUND IN THE RECORDS OF THE PARTICULAR COUNTY THAT THE SUBJECT PROPERTY IS SITUATED IN.

THIS CERTIFIES THAT A SURVEY OF THE PROPERTY
HEREIN 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 461, F.S. OF THE FLORIDA ADMINISTRATIVE
CODE, PURSUANT TO SECTION 472.027 OF
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 THE LICENSED
SURVEYOR AND MAPPER

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

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

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

MATCH LINE "A-A"

24+00

TOP OF RAIL RIGHT=58.81
TOP OF RAIL LEFT=58.80

25+00

TOP OF RAIL RIGHT=58.80
TOP OF RAIL LEFT=58.83

26+00

TOP OF RAIL RIGHT=58.82
TOP OF RAIL LEFT=58.81

26+68.54PC

27+00

TOP OF RAIL RIGHT=59.11
TOP OF RAIL LEFT=59.10

28+00

INVERT 36" MITERED END
36" RCP
EL=52.05'

29+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

30+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

31+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

32+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

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

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

33+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

34+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

35+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

36+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

37+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

38+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

39+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

40+00

TOP OF RAIL RIGHT=59.07
TOP OF RAIL LEFT=59.07

4"X4" C.M. FD.
L.S. 4482
S.W. CORNER OF
SECTION 20
T.1N. 36S. 10E
N 46°23'03.90"
E 1846'05.592'
SITE BENCHMARK NO. 2
RAILROAD SPIKE IN THE N. SIDE
OF AN 18" PINE.
EL. = 56.58'
N 46°22'08.50" E 1646'072.08'

SOUTHERLY BOUNDARY LINE
S 89°52'27" W 4674.53'

TOTAL 1999.22' FROM S.W. PROPERTY CORNER TO END OF RR SPUR

SHEET 2 OF 3

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 -----

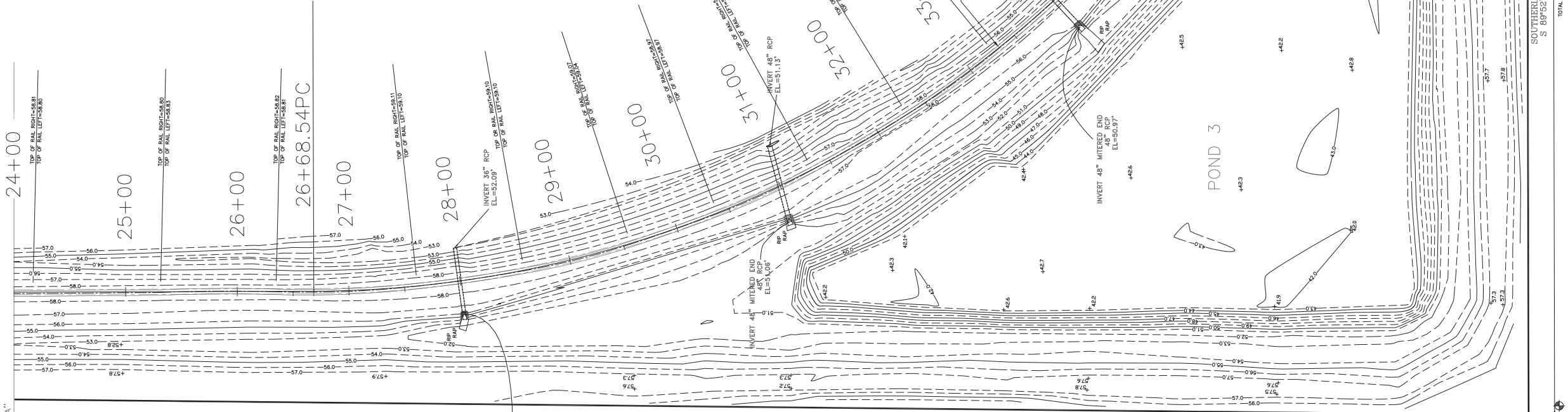
SPOT ELEVATION ----- +57.6

EL ----- MEANS ELEVATION

T.E.M. ----- TEMPORARY BENCH MARK

INV. ----- INVERT

RCP ----- REINFORCED CONCRETE PIPE



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: -
REVISED: -
REVISED: -

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

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
R.C.P. = REINFORCED CONCRETE PIPE I.R. = IRON PIPE IN RAILROAD RIGHT-OF-WAY
R.L. = RAILROAD UTILITY LINES L.C. = AIR CONDITIONER L.S. = GENERAL LAND OFFICE
CH = CHORD LENGTH
D = DELTA ANGLE B = CHORD BEARING L.S. = FL. LAND SURVEYOR LB = LAND SURVEYOR BUSINESS
E/P = RECORD CALL; OR RECORD CALL WHEN RECORD AND MEASURED ARE DIFFERENT E/P =
EDGE OF PAVEMENT C.M. = CONCRETE MONUMENT C. = CENTERLINE OF TRANSPORTATION
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER F.D. = COUNTY OF FLORIDA
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
(3) UNRECORDED DEEDS, EASEMENTS RIGHTS-OF-WAY OR OTHER INSTRUMENTS THAT
MAY AFFECT THE BOUNDARIES OF THE SUBJECT PROPERTY.
(4) POSITION ON THE FLOOD INSURANCE RATE MAP NOTED ABOVE.
(5) 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.
(6) HEREIN MAY ADDITIONAL RESTRICTIONS, NOT SHOWN ON THIS PLAT, THAT MAY BE
IMPOSED BY THE RECORDS OF THE PARTICULAR COUNTY THAT THE SUBJECT
PROPERTY IS SITUATED IN.

THIS CERTIFIES THAT A SURVEY OF THE PROPERTY
HEREIN 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
OF THE STATE OF FLORIDA. I, THE SURVEYOR,
AM A LICENSED SURVEYOR OF THE FLORIDA ADMINISTRATIVE
CODE PURSUANT TO SECTION 472.027 OF THE
FLORIDA STATUTES.

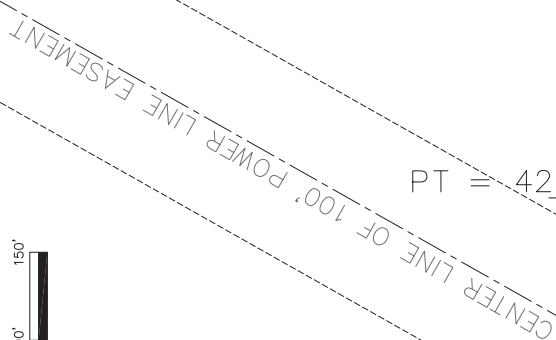
02/03/12

SAM R. BRUNER
FLORIDA LAND SURVEYOR No. 2456
LICENSED BUSINESS No. 6411

THIS PLAT IS NOT VALID WITHOUT THE ORIGINAL
RAISED SEAL AND WITHOUT A LICENSED
SURVEYOR AND MAPPER

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

SCALE: 1"=50'



LEGEND:

DESIGN STATIONING ----- 16+11.84PT

CONTOUR WITH LABEL ----- 34.0 -----

SPOT ELEVATION ----- 437.6

EL. ----- MEANS ELEVATION

T.B.M. ----- TEMPORARY BENCH MARK

INV. ----- INVERT

R.O.P. ----- REINFORCED CONCRETE PIPE



ABBREVIATIONS THAT MAY APPEAR ON THIS MAP:

D = DEGREES S = MINUTES OR FEET N = NORTH R/W = RIGHT OF WAY R = RADIUS
E = EAST S.W. = WEST T. = TOWNSHIP R.G. = RANGE P.O.C. = POINT OF COMMENCEMENT
C.O. = CORNER CON. = CONCRETE I.R. = IRON COND. = CONDITION P.O.B. = POINT OF BEGINNING
G.L. = GROUND LEVEL U.T.Y. = L.S. = LINE NOT DRAWN TO SCALE G.L.O. = GENERAL LAND OFFICE C.H. = CHORD LENGTH
D = DELTA ANGLE B = CHORD BEARING L.S. = FL. LAND SURVEYOR L.B.-LAND SURVEYOR BUSINESS
R = RECORD CALL; OR RECORD CALL WHEN RECORD AND MEASURED ARE DIFFERENT E.P. = EVIDENCE PLANT
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER D.O.T. = FL. DEPARTMENT OF TRANSPORTATION
COR. = CORNER NO. = NUMBER # = NUMBER FD. = FOUND Q.R.B. = OFFICIAL RECORD BOOK
P.B. = PLAT BOOK PG. = PAGE D.B. = DEED BOOK GOVT. = GOVERNMENT SEC. = SECTION
I.D. = IDENTIFICATION W. = WITH M.M. = WITNESS MONUMENT SEC. = SECTION
P.L. = PROPERTY LINE C.M.P. = CORRUGATED METAL PIPE

NOTES:

(1) NO RECORDING OF IMPROVEMENTS HAS BEEN LOCATED, EXCEPT FOR THE SKETCH OF SURFACES.

(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 AFFECT THE SUBJECT PROPERTY. THE ABOVE INFORMATION IS PROVIDED FOR INFORMATION ONLY.


(3) FLOOD ZONE OF SUBJECT PROPERTY HAS BEEN DERIVED BY SCALING ITS 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 ABOVEMENTIONED ITEMS.

(5) THERE MAY BE ADDITIONAL RESTRICTIONS, NOT SHOWN ON THIS PLAT, THAT MAY BE APPLIED TO THE SUBJECT PROPERTY. RECORDS OF THE PARTICULAR COUNTY IN WHICH THE SUBJECT PROPERTY IS SITUATED, SHOULD BE CONSULTED FOR SUCH INFORMATION.

THIS CERTIFIES THAT A SURVEY OF THE PROPERTY HEREIN DESCRIBED WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THE SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING IN THE STATE OF FLORIDA, SET FORTH BY THE BOARD OF PROFESSIONAL LAND SURVEYORS OF THE STATE OF FLORIDA. I HEREBY CERTIFY THAT THE SURVEY IS IN ACCORDANCE WITH THE FLORIDA STATUTES.

02/03/12



SAM R. BRUNER
FLORIDA LAND SURVEYOR NO. 2456
LICENSED SURVEYOR NO. 6411

THIS PLAT IS NOT VALID WITHOUT THE ORIGINAL SURVEYOR AND MAPPER

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:

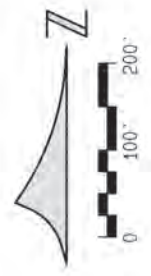
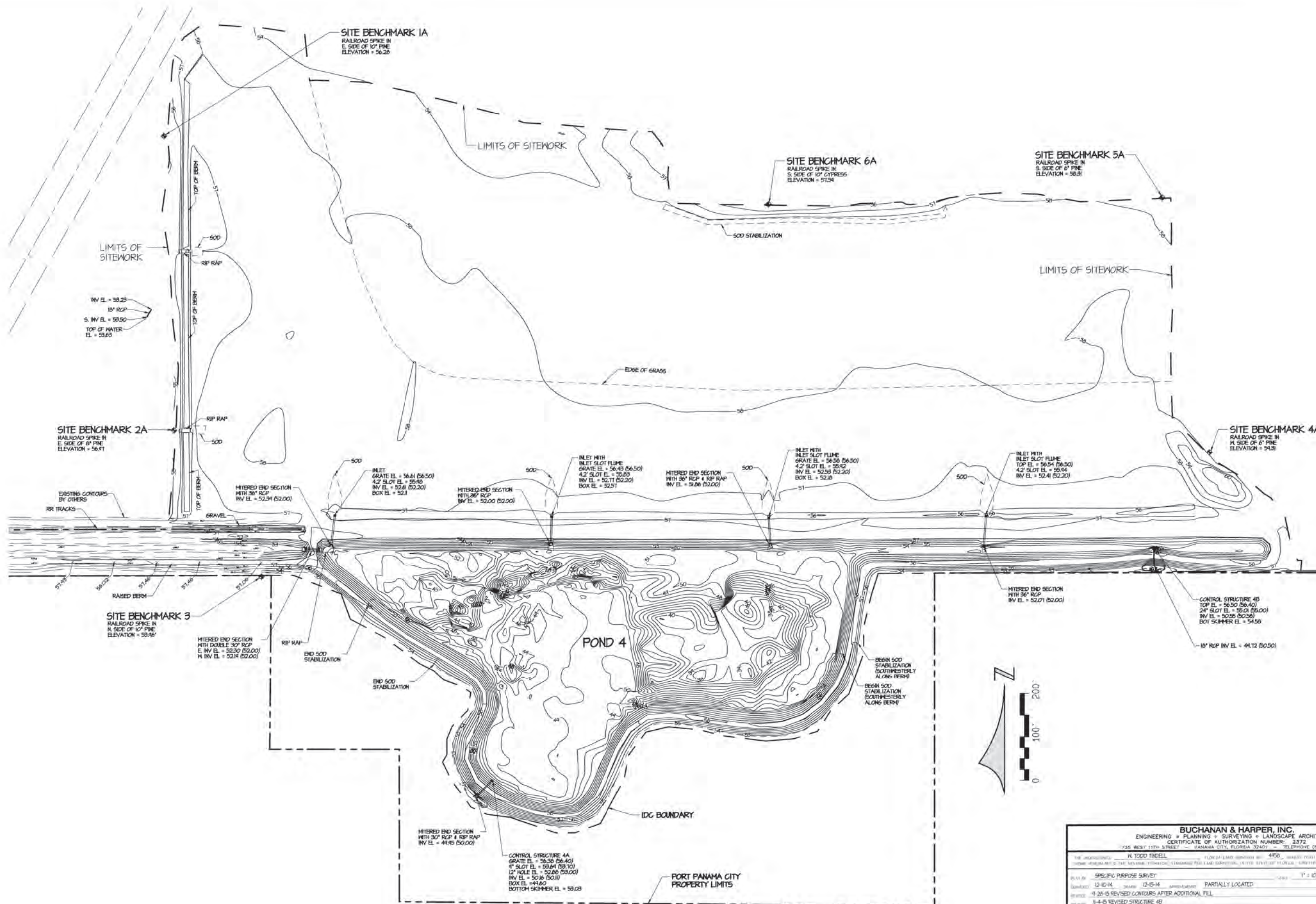
REVISED:

REVISED:

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

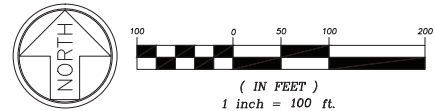
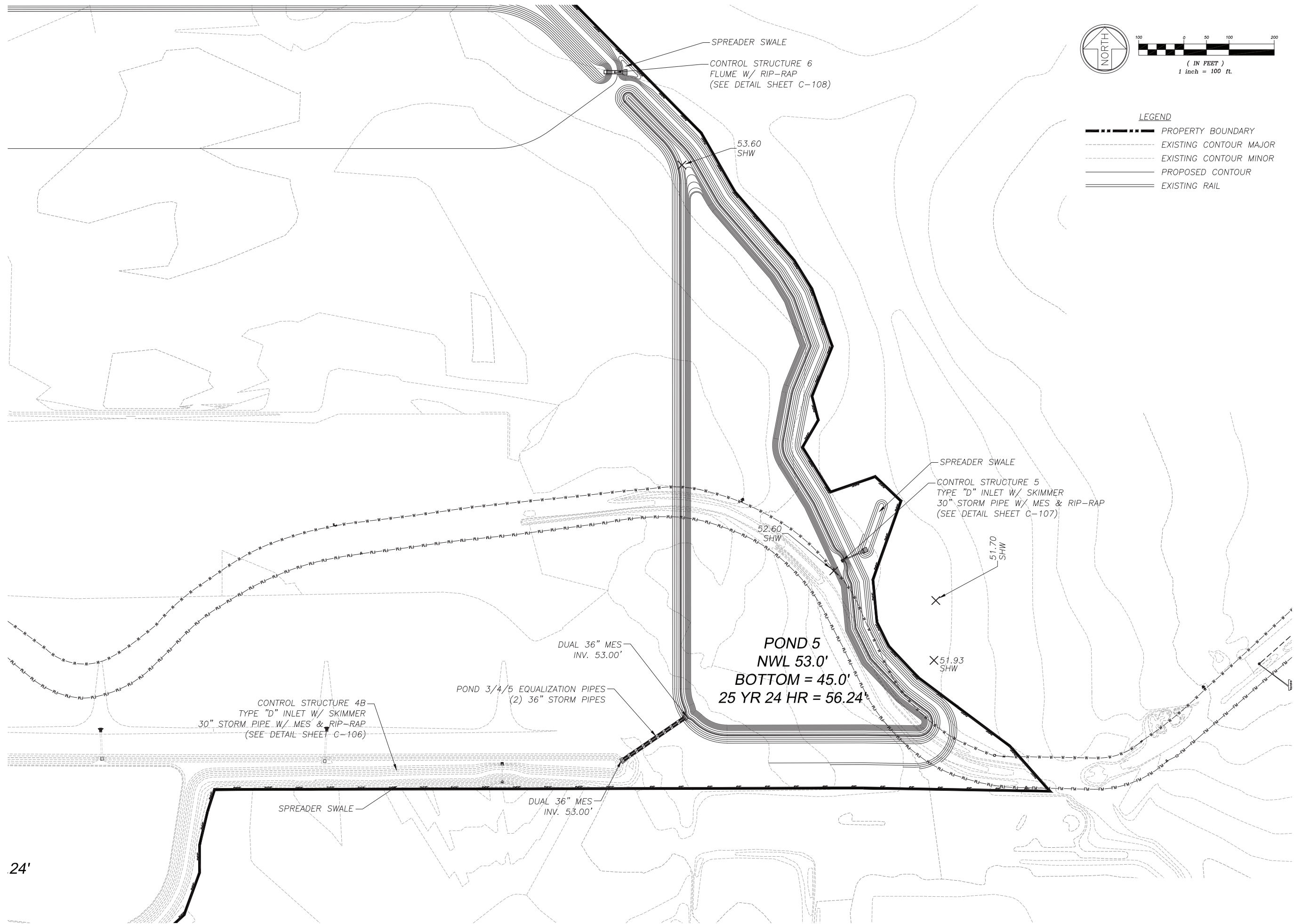
PHONE No. 850-235-2293
FAX No. 850-234-2607

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



BUCHANAN & HARPER, INC. ENGINEERING • PLANNING • SURVEYING • LANDSCAPE ARCHITECTURE CERTIFICATE OF AUTHORIZATION NUMBER: 2372 735 WEST 11TH STREET PANAMA CITY, FLORIDA 32401 TELEPHONE (850) 763-7427	
PROJECT: POND 4 DRAWN: 12-15-14 CHECKED: 12-15-14 DATE: 12-15-14 REVISIONS: 1-15-15 REVISED CONTOURS AFTER ADDITIONAL FILL 1-4-15 REVISED STRUCTURE 4B	SHEET: 2 OF 2 SCALE: 1" = 100' PROJECT: CONSTRUCTION PLANS FOR INTERMODAL DISTRIBUTION CENTER PHASE 3 - POND 4 DRAWING: NAD 83 NGS ADJUSTMENT OF 2011 EPS/5 85-2007 NAVD 83 - NGS BENCHMARK R 86 - ELEVATION = 41.06' DATE: 10-06-14 BY: 3 CHECKED: 5290.40 DATE: 1-15-15 ELEVATION: 5202 SHEET: 2 OF 2

Users: sluk6797
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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. STUHR
FL PE NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

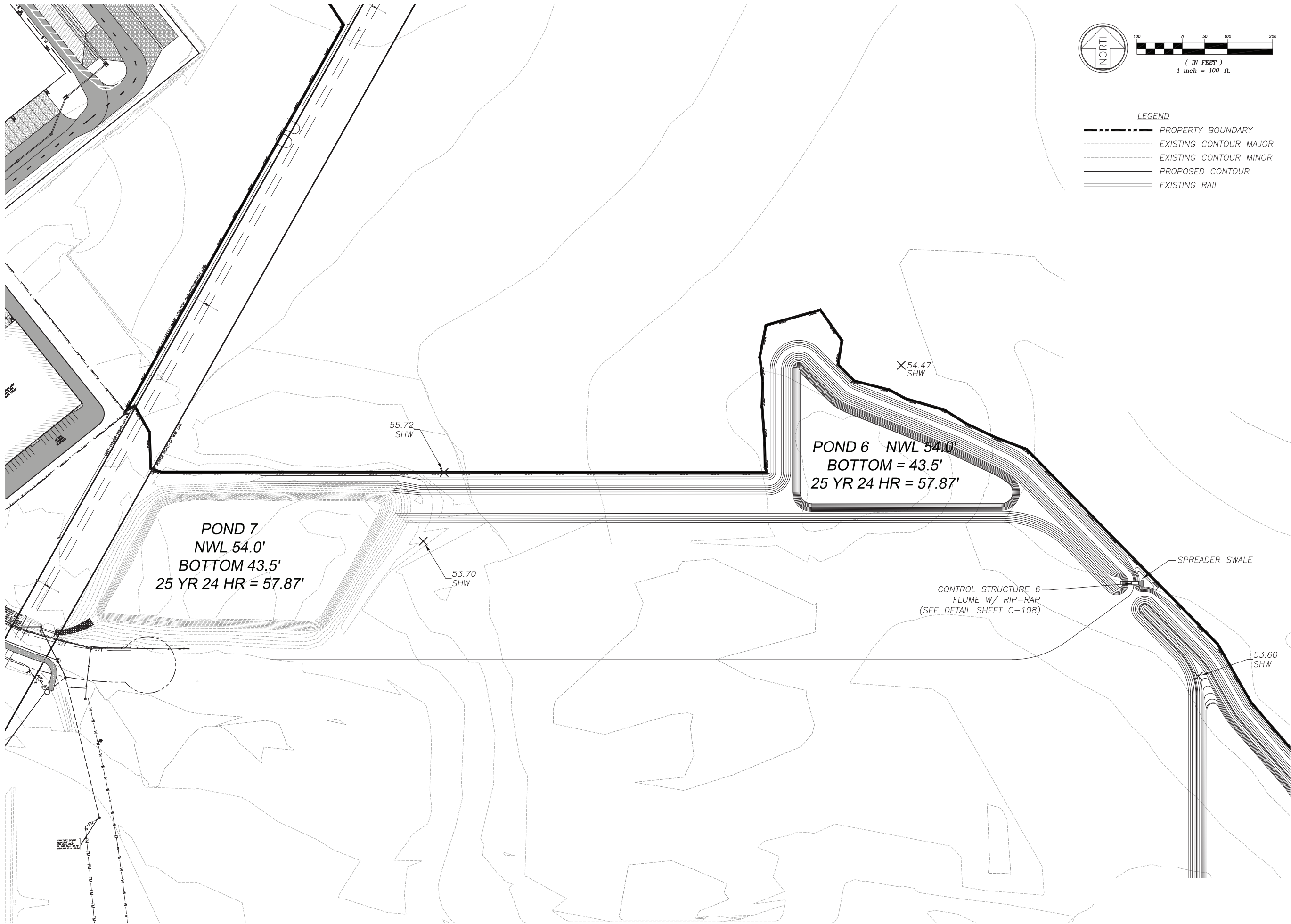
CHECKED BY: ---

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. STUHR
FL PE NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

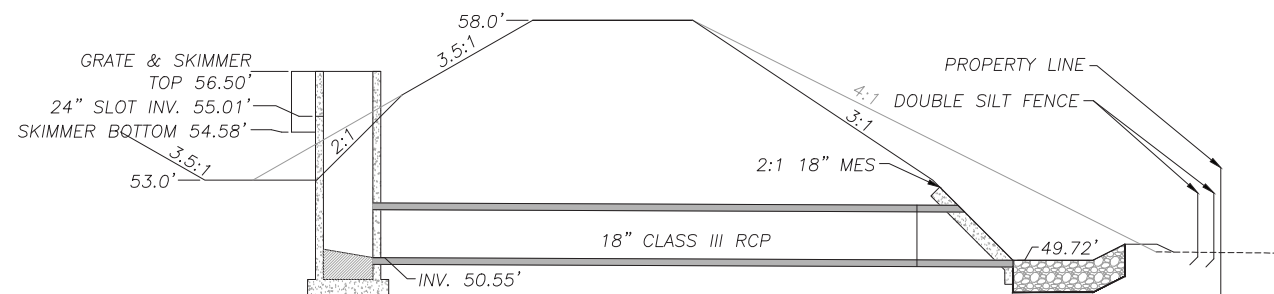
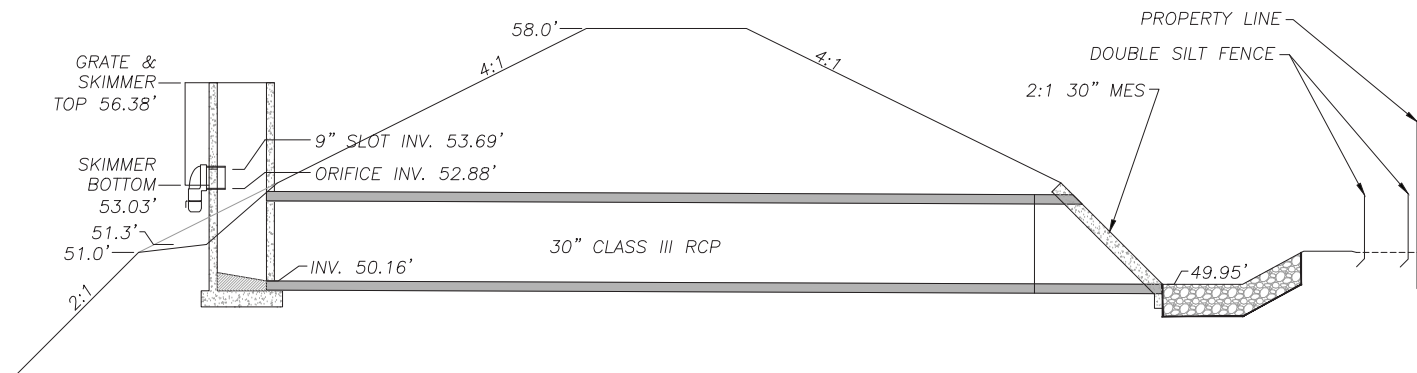
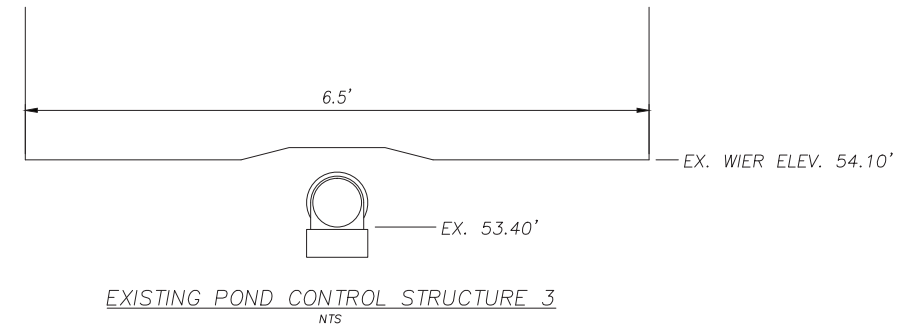
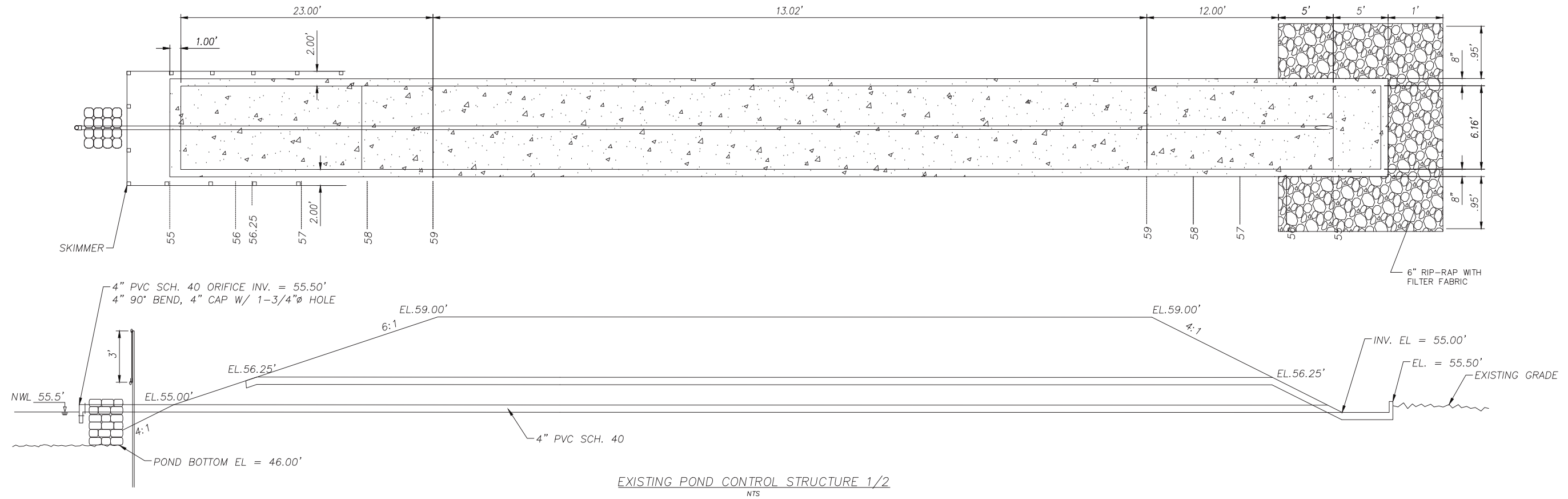
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APPROVED BY: ---

PROJECT NUMBER 100049074

DRAWING NUMBER C-103

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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. STUHR
FL PE NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

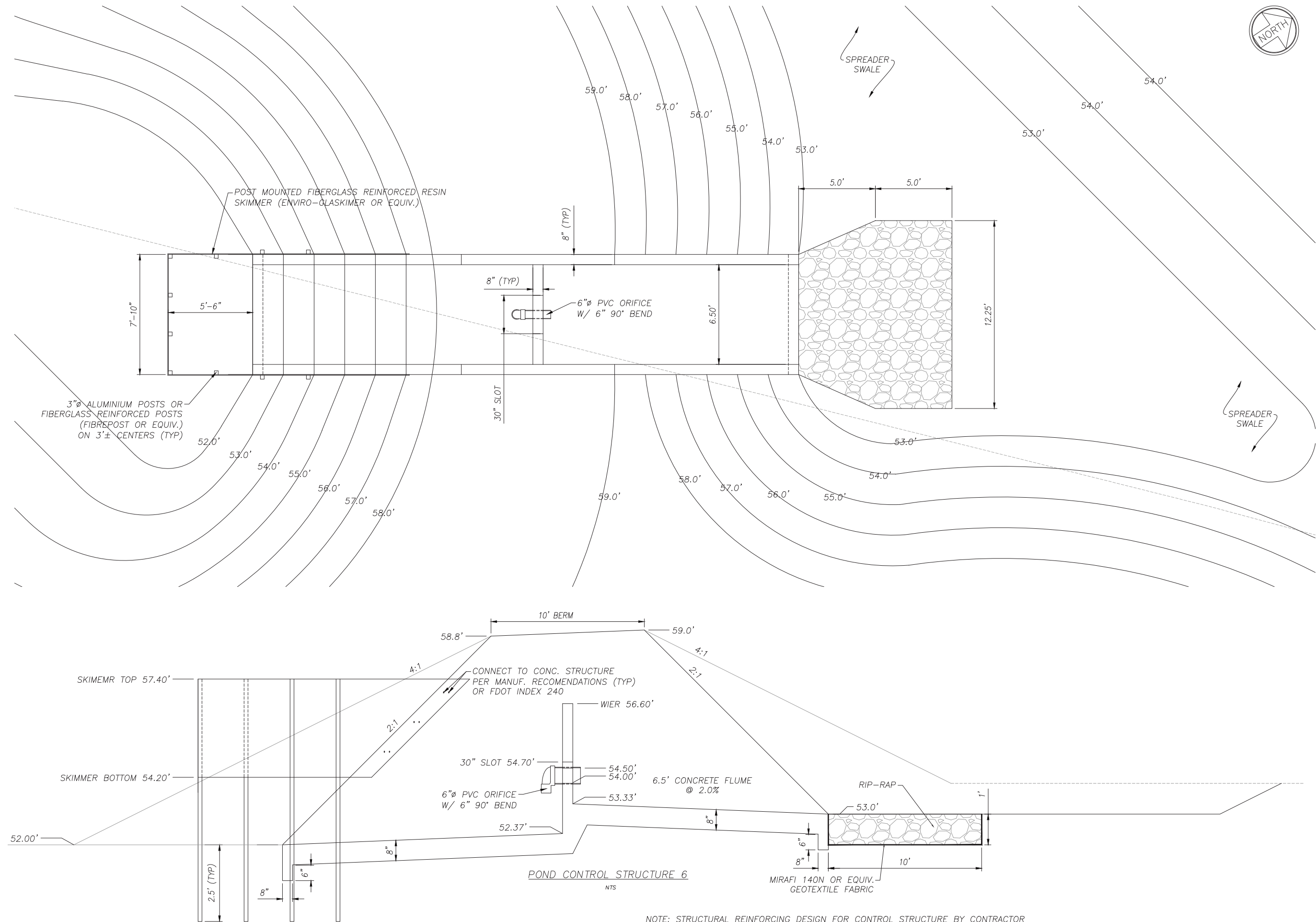
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APPROVED BY: ---

PROJECT NUMBER 100049074

DRAWING NUMBER C-104

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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. STUHR
FL PE NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

CHECKED BY: ---

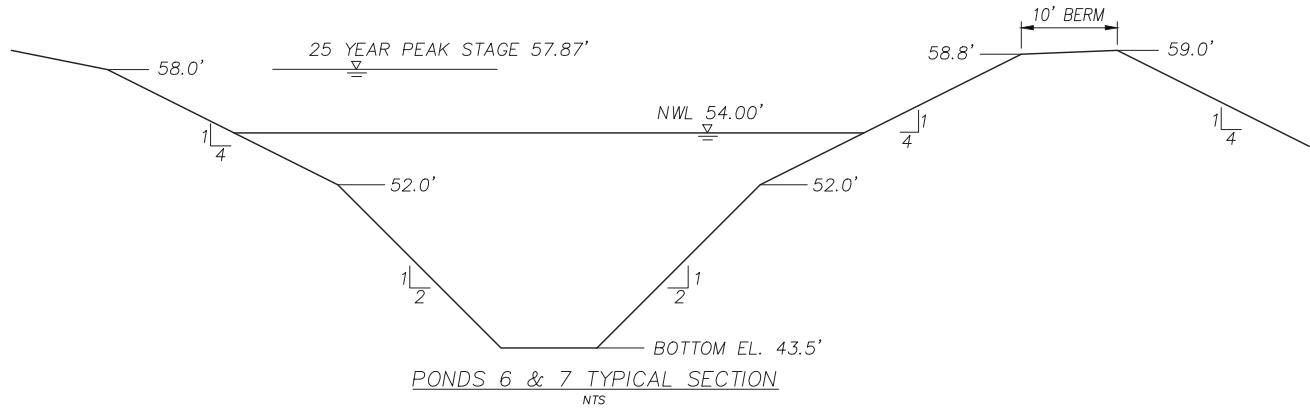
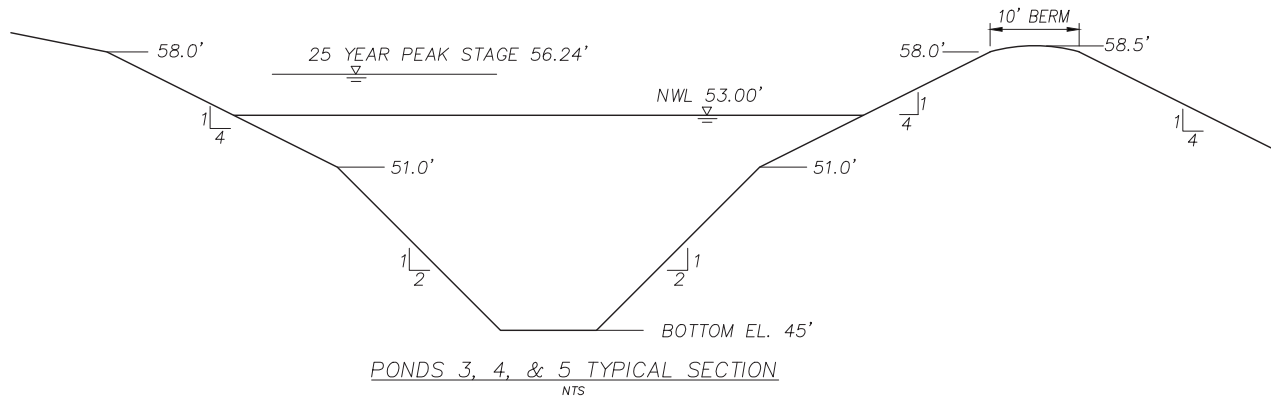
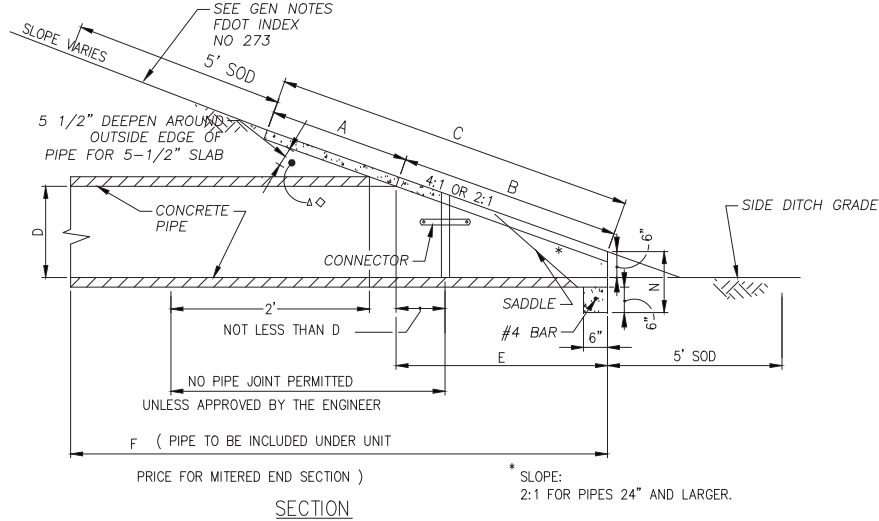
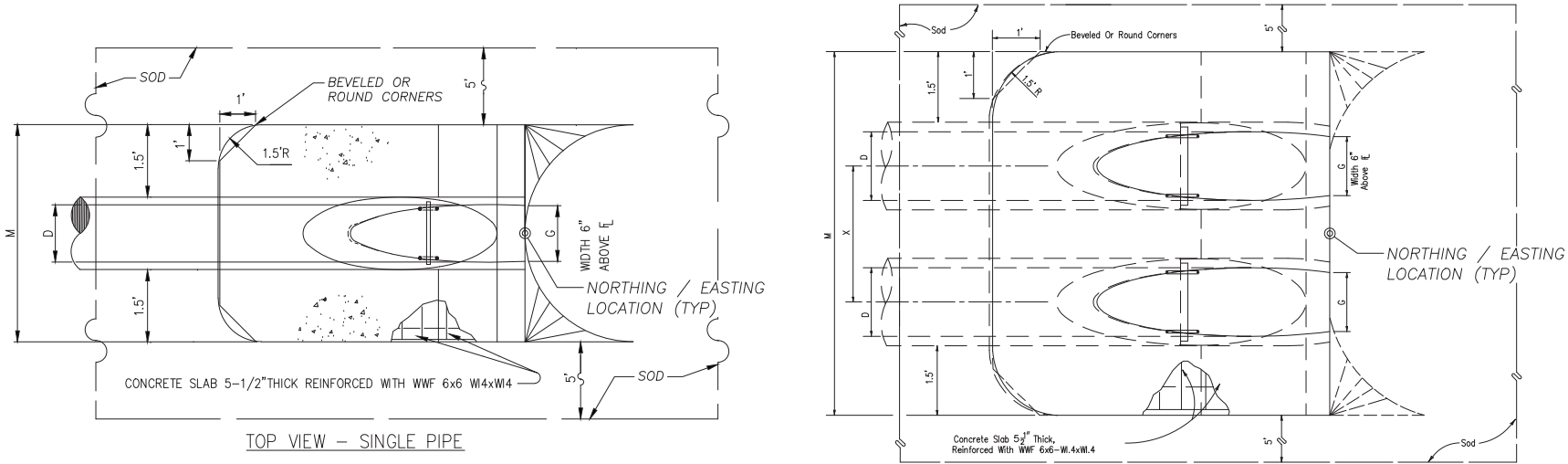
APPROVED BY: ---

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 1/2" 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'	DOUBLE	1.29'	0.66	DOUBLE	26	DOUBLE
	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	



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. STUHR
FL PE NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

CHECKED BY: ---

APPROVED BY: ---

PROJECT NUMBER 100049074

DRAWING NUMBER C-109

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 ONSITE 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

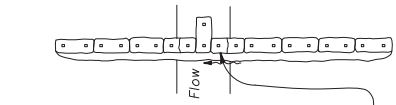
U.S. ARMY CORPS OF ENGINEERS #SAJ-1995-2410(IP-DEB) ISSUED 02/14/06

NPDES (SITE CONSTRUCTION ACTIVITIES) #BY CONTRACTOR

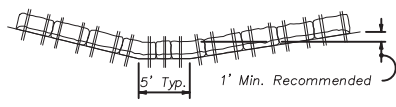
CONTRACTOR'S CERTIFICATION

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: _____

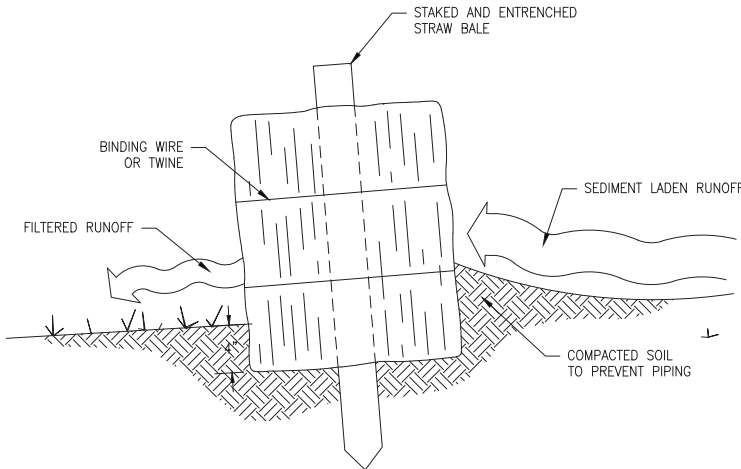


PLAN

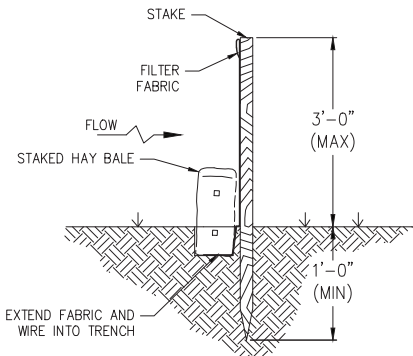


Anchor Bales With 2 - 2" x 2" x 4' Stakes Per Bale

ELEVATION

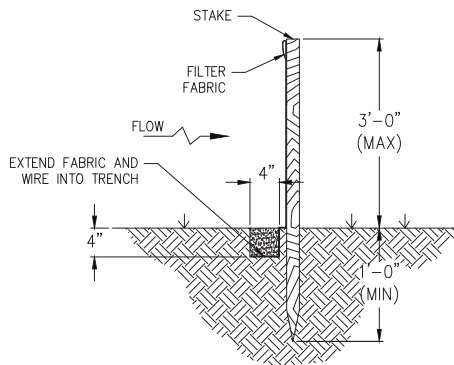
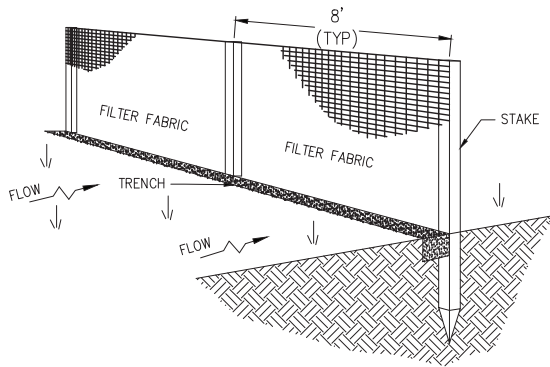


TYPE 1 HAY BALE BARRIER FOR UNPAVED DITCH
(FDOT INDEX #102)



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 SPLICED 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 THEN 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.

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 PE NO. 77671

DRAWN BY: ZWS

DESIGNED BY: ZWS

CHECKED BY: ---

APPROVED BY: ---

PROJECT NUMBER 100049074

DRAWING NUMBER C-202

STORMWATER POLLUTION PREVENTION PLAN CONTRACTOR'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION: INTERMODAL DISTRIBUTION CENTER
SECTIONS 35 & 36, TOWNSHIP 2 S, RANGE 13 W.
10.9 MILES NORTH EAST OF US 98 ON US 231

OWNER:
PANAMA CITY PORT AUTHORITY
5321 WEST HIGHWAY 98
PANAMA CITY, FLORIDA 32401

DESCRIPTION OF WORK:
CLEARING AND GRUBBING; EARTHWORK, GRADING, STORMWATER MANAGEMENT, AND
PREPARATION FOR FINAL PLANTING AND SEEDING.

SOILS:
SEE SOIL BORING REPORTS FOR SOILS DATA

SITE MAPS:
SEE ATTACHED CONSTRUCTION PLANS FOR PRE & POST DEVELOPMENT GRADES, AREAS OF
SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, MAJOR STRUCTURAL AND
NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.

SITE AREA:
TOTAL PROJECT AREA = 262± ACRES

NAME OF RECEIVING WATERS: UPLANDS (PLANTED PINE PLANTATION AND WETLANDS SLOPING
TO UNNAMED CLASS III WETLANDS AND EVENTUALLY BAYOU GEORGE)

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND
SEDIMENTATION CAUSED BY STORMWATER RUNOFF. EROSION AND SEDIMENTATION CONTROLS
ON THE SITE PLAN HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT
OF THESE CONTROLS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL AND MAINTAIN
THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER
PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO
"CONTRACTOR'S RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY
BE IMPLEMENTED.

STORMWATER MANAGEMENT

STORMWATER TREATMENT AND ATTENUATION WILL BE PROVIDED BY CAPTURING
RAINFALL/RUNOFF IN EXISTING AND FUTURE WET DETENTION PONDS.

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS
OUTLINED HEREON AND THOSE MEASURES SHOWN ON THE SWPPP SITE PLAN. IN ADDITION
THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN
COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY
STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION
THE CONTRACTOR MAY BE REQUIRED TO IMPLEMENT SEDIMENTATION CONTROL MEASURES
NOT SPECIFICALLY LISTED OR SHOWN HEREON AT NO COST TO THE OWNER.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL EROSION AND SEDIMENTATION CONTROLS ACCORDING TO THE CONTRACT
DOCUMENTS.
2. PERFORM EARTHWORK OPERATIONS, INCLUDING DEWATERING IF REQUIRED IN
ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. STABILIZE DENUED AREAS AND STOCKPILES WITH GRASSING AS SOON AS
PRACTICABLE.
4. INSTALL ADDITIONAL EROSION AND SEDIMENTATION CONTROLS AS MAY BE WARRANTED
TO CONTROL ADVERSE ENVIRONMENTAL IMPACTS AND TO MEET APPLICABLE PERMIT
REQUIREMENTS.
5. MAINTAIN EROSION AND SEDIMENTATION CONTROLS AND REPAIR ERODED AREAS
THROUGHOUT CONSTRUCTION UNTIL THE SITE IS STABILIZED AND ACCEPTED 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
NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT (NFWMD) OR A STORMWATER
MANAGEMENT PERMIT FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
(FDEP) FOR THE PROJECT. CONTRACTOR SHALL ABIDE BY THE CONDITIONS OF THE ERP
OR STORMWATER MANAGEMENT PERMIT.
3. OWNER HAS OBTAINED DREDGE AND FILL PERMITS FROM THE FDEP AND U.S. ARMY
CORPS OF ENGINEERS. CONTRACTOR SHALL ABIDBE BY THE CONDITIONS OF THE
DREDGE AND 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.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES,
WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE
SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS
OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY
CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA
WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE
SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM ANY SEDIMENT
TRAPS AND SITE STABILIZED IN ACCORDANCE WITH THE EROSION & SEDIMENTATION
CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE EROSION AND SEDIMENTATION
CONTROLS AS SHOWN ON THE SITE PLAN. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY
TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING
PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE.
THE CONTRACTOR WILL ADJUST THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON
THE SITE PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE
SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND SEDIMENTATION CONTROL
REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER. THE FOLLOWING BEST
MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE
EROSION AND SEDIMENTATION CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION
AND SEDIMENTATION REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY
AGENCIES.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES

1. HAY BALE BARRIER: HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS
SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
 - A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
 - B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE
AREA IS NO GREATER THAN 2 ACRES.
 - C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
 - D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS
CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY
OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR
BALES TO INSURE AGAINST WASHOUT.
2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED
AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:
 - A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
 - B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE
AREA IS NO GREATER THAN 2 ACRES.
3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED
AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS
AVAILABLE ON SITE. USE OF BRUSH BARRIER MUST RECEIVE SEPARATE APPROVAL FROM
THE OWNER.
4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM
RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO
UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS
WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA
BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO
RECONCENTRATE AFTER RELEASE.
5. STOCKPIILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A
MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT
WATER BODY OR STORM WATER COLLECTION FACILITY.
6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED
BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL
NOT EXCEED 20 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN
EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL
NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
7. INLET PROTECTION: N/A
8. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE
NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING
TREATMENT WITHIN 30 DAYS SHALL BE SEEDD WITH A QUICK GROWING GRASS OR SIMILAR
SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS
PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.
9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN
THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE
MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO
THE SOIL OF THE SEEDD AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
10. TEMPORARY GRASSING: THE SEEDD OR SEEDD AND MULCHED AREA(S) SHALL BE
ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO
ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS
COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR
PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
11. TEMPORARY REGRASSING : IF, AFTER 30 DAYS FROM SEEDING, THE TEMPORARY
GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER,
THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH
THE DESIRED VEGETATIVE COVER.
12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO
PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE
CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND
CONSTRUCTED.
13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT
SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION
WILL, AS A MINIMUM, BE SEEDD. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM
VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL
BE SODDED.

STRUCTURAL PRACTICES

1. THE FOLLOWING MEASURES MAY BE USED EARLY IN THE PROJECT AS APPROPRIATE.
2. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT
RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
3. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGE
WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A
DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER
INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:
 - 3.A. BLOCK & GRAVEL SEDIMENT FILTER – THIS PROTECTION IS APPLICABLE WHERE
HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO
PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
 - 3.B. GRAVEL SEDIMENT TRAP – THIS PROTECTION IS APPLICABLE WHERE HEAVY
CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE
STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT
STRUCTURES & UNPROTECTED AREAS.
 - 3.C. DROP INLET SEDIMENT TRAP – THIS PROTECTION IS APPLICABLE WHERE THE INLET
DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND
FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS
RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.
4. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED
CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM
TO THE RECEIVING WATER BODY. SILT FENCE & HAY BALES ARE TO BE INSTALLED
IMMEDIATELY DOWNSTREAM OF THE DISCHARGE STRUCTURE AS SHOWN ON THE OUTLET
PROTECTION DETAIL.
5. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT
SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME. THE PROPOSED
STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS
SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC
FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE.
 - 5.A. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO
FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE
EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH
FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT
BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED
AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL
FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS
MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND
STORED IN A SECURELY LIDDED METAL CONTAINER. THE CONTAINER WILL MEET ALL
LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE CONTAINER WILL BE
EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED
LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT
PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE
POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE
INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE
FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ANY AND ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER
SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE
PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE
SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS
WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO
PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN
ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY
SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE
TRACKING OF SEDIMENTS.

INVENT. FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE
DURING CONSTRUCTION:

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> CONCRETE | <input checked="" type="checkbox"/> FERTILIZERS | <input checked="" type="checkbox"/> WOOD |
| <input type="checkbox"/> ASPHALT | <input checked="" type="checkbox"/> PETROLEUM BASED PRODUCTS | <input type="checkbox"/> MASONRY BLOCKS |
| <input type="checkbox"/> TAR | <input type="checkbox"/> CLEANING SOLVENTS | <input type="checkbox"/> ROOFING MATERIALS |
| <input type="checkbox"/> DETERGENTS | <input type="checkbox"/> PAINTS | <input type="checkbox"/> METAL STUDS |
| <input type="checkbox"/> ----- | <input type="checkbox"/> ----- | <input type="checkbox"/> ----- |

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO
REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND
SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE
CONSTRUCTION PROJECT.

- * AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO
THE JOB.
- * ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN
THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER
ENCLOSURE.
- * PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL
MANUFACTURER'S LABEL.
- * SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY
THE MANUFACTURER.
- * WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF
THE CONTAINER.
- * MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE
FOLLOWED.
- * THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE
RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS
MATERIALS.

- * PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT
RESEALABLE.
- * ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED; THEY
CONTAIN IMPORTANT PRODUCT INFORMATION.
- * IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND
STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR
PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM BASED
PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY
LABELED.

FERTILIZERS

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

PAINTS – N/A

CONCRETE TRUCKS

SHALL NOT BE CLEANED OR DISCHARGE SPOILED OR UNUSED CONCRETE ONSITE

FUELING/LUBRICATION/MAINTENANCE OF VEHICLES AND EQUIPMENT

FUEL SHALL NOT BE STORED ONSITE. ALL FUEL, LUBRICANTS, AND RELATED
SUBSTANCES SHALL BE PROVIDED VIA FUEL/LUBRICATION TRUCK. ONLY REQUIRED
FUELING AND NORMAL MINOR LUBRICATION AND MAINTENANCE WILL OCCUR ONSITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES
DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES
WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY
POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES
AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE
MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT
BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID
ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND
METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR
APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A
HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE
STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT
THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF
THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE
CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS
WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL
DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL
PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME
RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES
OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA
AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

INTERMODAL DISTRIBUTION
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