

CONSTRUCTION PLANS FOR:

CHARLES SPRINGS BOAT RAMP IMPROVEMENTS

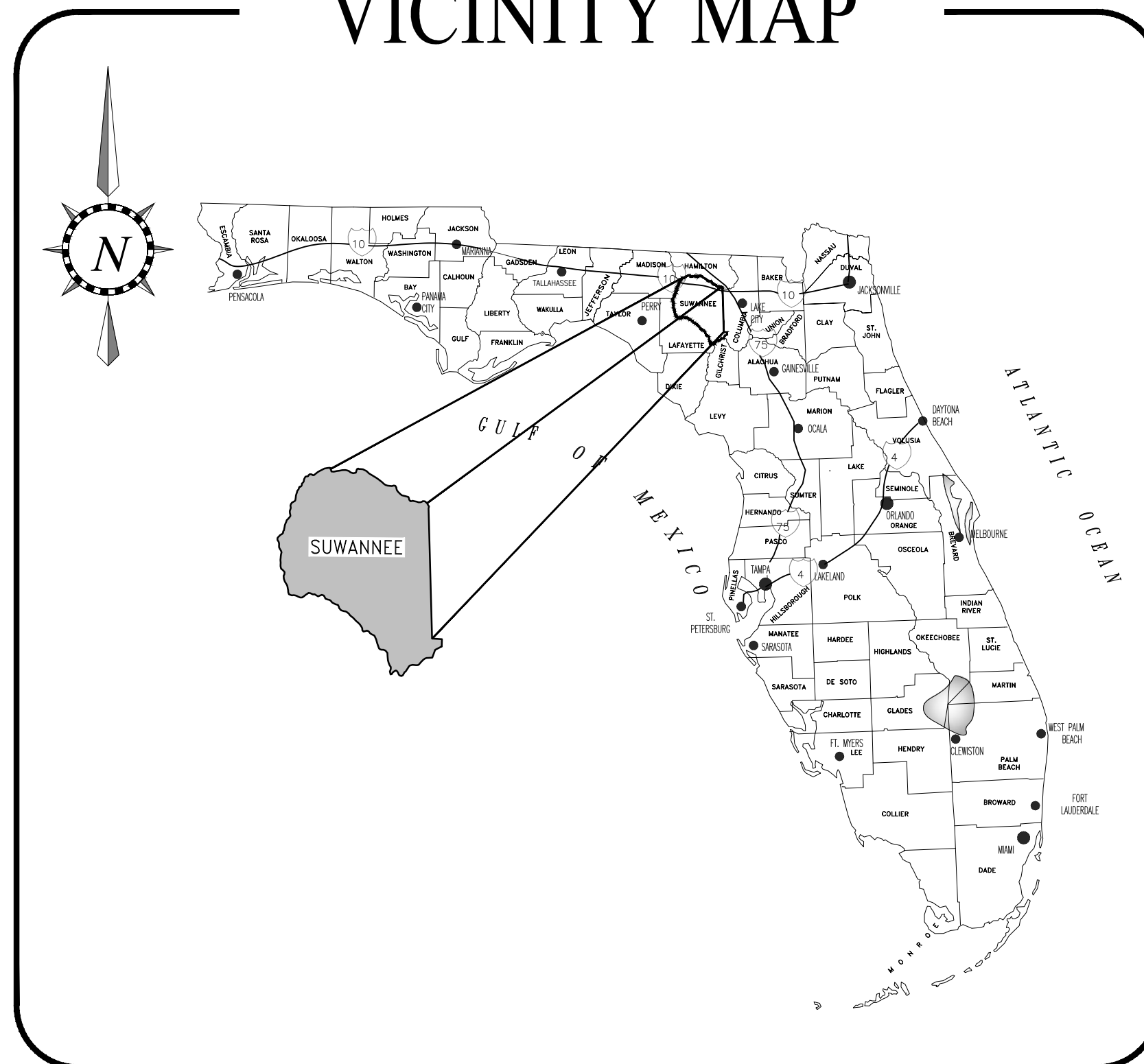
PREPARED FOR:

BOARD OF COUNTY COMMISSIONERS SUWANNEE COUNTY, FL

LOCATION MAP



VICINITY MAP



SHEET NO.	SHEET DESCRIPTION:
C1	COVER SHEET
C2	GENERAL NOTES & S.W.P.P. PLAN
C3	TOPOGRAPHIC SURVEY
C4	EROSION CONTROL & DEMOLITION PLAN
C5	SITE & GRADING PLAN
D1	GENERAL DETAILS
D2	DOCK DETAILS
D3	DOCK DETAILS
D4	DOCK PROFILE
D5	BOAT RAMP PROFILE
D6	CROSS SECTIONS
D7	FLEXAMAT DETAILS

ERRORS AND OMISSIONS, IF ANY, IN THESE CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

GENERAL CONTRACTOR TO THOROUGHLY INSPECT EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS SHALL BE NOTED AT ONCE AND CALLED TO THE ENGINEER'S ATTENTION 48 HOURS PRIOR TO SUBMITTING BIDS.

ALL CORRESPONDENCE IN REGARDS TO THESE CONSTRUCTION/BID DOCUMENTS SHALL BE DIRECTED TO WILLIAM A. MENADIER, P.E. AT DEWBERRY ENGINEERS, INC. LCOATED AT 654 S.E. BAYA DRIVE, LAKE CITY, FL (850) 571-1254

OWNER, PERMITTING AGENCY, SURVEYOR, ENGINEER

CLIENT/OWNER: SUWANNEE COUNTY BOARD OF COUNTY COMMISSIONERS
1201 SILAS DRIVE
LIVE OAK, FL 32064

ENGINEER: DEWBERRY ENGINEERS INC.
654 SE BAYA DRIVE
LAKE CITY, FL 32025
850-571-1254

SURVEYOR: WGI, INC.
3499 NW 97th BLVD, UNIT 14
GAINESVILLE, FL 32606

PERMITTING AGENCY: SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FL 32060

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FL 32256

AUGUST 2022

PREPARED BY:



PROJECT NUMBER: 50137332

EB# 0008794

BID SET

WILLIAM A. MENADIER, PE, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE No. 74581

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
WILLIAM A. MENADIER ON THE DATE NOTED ON THE
ELECTRONIC SIGNATURE.

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WILLIAM A. MENADIER, P.E.
P.E. #: 74581; STATE OF FLORIDA

DATE:

GENERAL NOTES

1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE PHYSICALLY VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS. THESE DRAWINGS DO NOT INTEND TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES, UTILITIES, OR PIPING. THE CONTRACTOR SHALL EXAMINE ALL AVAILABLE RECORDS AND MAKE ALL EXPLORATIONS AND EXCAVATIONS AS REQUIRED TO DETERMINE THE LOCATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING, WHENEVER NECESSARY. THE OWNER RESERVES THE RIGHT TO CHANGE LOCATION OF LINES TO AVOID CONFLICT WITH EXISTING STRUCTURES, UTILITIES, OR PIPING. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN PHYSICALLY LOCATED BY THEIR OWNER OR ENGINEER.
2. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S ENGINEER OF ANY CONFLICT BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF WORK CALLED FOR IN THESE CONTRACT DOCUMENTS.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LEARN, KNOW, AND COMPLY WITH THE REGULATIONS, ORDINANCES, PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND COMPLY WITH THE CONDITIONS OF THE VARIOUS PERMITS OF THE GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL SCHEDULE THE REQUIRED INSPECTIONS AND APPROVALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMIT CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE NECESSARY AGENCIES OF CONSTRUCTION COMMENCEMENT.
6. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO SHALL BE OF LATEST ISSUE AND SHALL BE CONSIDERED A PART OF THESE DOCUMENTS AS THOUGH INCLUDED.
7. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN ADEQUATE TRAFFIC CONTROL AND TO PROVIDE DETOURS AROUND CONSTRUCTION ACTIVITIES. NO STREET SHALL REMAIN CLOSED TO TRAFFIC OVERNIGHT. IN ADDITION, THE CONTRACTOR SHALL COOPERATE WITH LOCAL RESIDENTS IN GAINING ACCESS TO THEIR HOMES AND BUSINESSES DURING WORKING HOURS AND SHALL ASSIST AT ALL TIMES WHEN VEHICLES EXPERIENCE TROUBLE DUE TO CONSTRUCTION ACTIVITIES.
8. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL INSTALL ANY REQUIRED SILT FENCING OR BALED HAY BARRIERS (FLORIDA EROSION CONTROL MANUAL) FOR SILT/EROSION CONTROL. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK. COST SHALL BE INCLUDED IN OTHER ITEMS OF WORK. LOCATION SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED IN THE FIELD.
9. THE CONTRACTOR SHALL INSTALL ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THE PROJECT IN ACCORDANCE WITH THE LATEST EDITION OF THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL.
10. WHERE IT BECOMES NECESSARY TO TEMPORARILY REMOVE, REPOSITION, OR SUPPORT EXISTING FACILITIES, UTILITY POLES, ETC. THIS WORK SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE AND IN ACCORDANCE WITH REQUIREMENTS OF THE OWNER OF THE EXISTING FACILITY, UTILITY POLE, ETC. THE CONTRACTOR SHALL GIVE PROPER NOTICE TO THE UTILITIES. THE CONTRACTOR SHALL PHYSICALLY EXAMINE THE ENTIRE PROJECT SITE AND INFORM HIMSELF FULLY IN REGARD TO ALL CONDITIONS PERTAINING TO THE PLACE WHERE THE WORK IS TO BE PERFORMED FOR PURPOSE OF DETERMINING HIS COST TO PERFORM THE WORK. THE CONTRACTOR SHOULD PAY SPECIAL ATTENTION TO AREAS INVOLVING CLEARING AND GRUBBING, EXISTING FACILITIES REMOVAL AND REPLACEMENT, SUPPORT ON RELOCATION, AND WORK INVOLVED IN WETLAND AREAS.
11. WORK ALONG STREETS MAY REQUIRE THE REMOVAL AND REPLACEMENT OF EXISTING DRAINAGE PIPE, STRUCTURES, HEADWALLS, ETC., THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR RELATED ITEMS OF WORK.
12. COPIES OF TEST REPORTS FOR ASPHALT, SUBGRADE, FILL, AND BACKFILL UNDER ROADWAYS AND STRUCTURES, AND UTILITY TRENCHES SHALL BE PROVIDED DIRECTLY TO THE ENGINEER FOR APPROVAL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE TESTING AND INSURE THAT ALL APPLICABLE TESTS HAVE BEEN PERFORMED. FAILURE TO OBTAIN TEST RESULTS AT ANY POINT OF CONSTRUCTION WILL REQUIRE THE REMOVAL OF THE IMPROVEMENT AND REPLACEMENT BY THE CONTRACTOR. IT SHOULD BE NOTED THAT THE ENGINEER WILL REQUIRE COMPACTION TESTING IN ACCORDANCE WITH THE TESTING SCHEDULE FOR UTILITY TRENCH FILL AND BACKFILL.
13. ANY DISTURBED SIGNS MUST BE REINSTALLED TO EXISTING OR ACCEPTABLE CONDITION BY THE OWNER AT THE CONTRACTOR'S EXPENSE.
14. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS (CITY, COUNTY, FDOT & FDEP) IN POSSESSION AT ALL TIMES DURING CONSTRUCTION. ANY INDIVIDUAL CREW OR INDIVIDUAL PERSON WORKING ON THE INSTALLATION OF ANY PART OF THIS PROJECT SHALL HAVE A SET OF PLANS AND SPECIFICATIONS WITH THEM AT ALL TIMES.
15. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE TESTING SCHEDULE CONTAINED WITHIN THESE PLANS. SELECTION AND CONTRACTING WITH THE TESTING FIRMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS.
16. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE THE ACTIVITIES OF THE UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO TV, TELEPHONE, GAS, POWER, ETC., AND PROVIDE IN ACCORDANCE WITH THE UTILITY COMPANY ANY NECESSARY CONDUITS FOR CROSSINGS UNDER PAVEMENT. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS SERVICE. ANY DAMAGE CAUSED BY THE UTILITY COMPANY TO THE IMPROVEMENTS OF THE CONTRACTOR SHALL BE REPAIRED IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT REPAIRS ARE PERFORMED, EITHER BY THE CONTRACTOR OR THE UTILITY COMPANY AT NO COST TO THE OWNER.
17. ALL CONSTRUCTION STAKING SHALL BE DONE AT CONTRACTORS EXPENSE.
18. STATIONING ON THE PLANS RELATES TO THE CENTERLINE OF ALL ROADWAYS/ RIGHT-OF-WAYS AND SHALL BE USED FOR LOCATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE STATIONING WHEN CALCULATING PIPE LENGTHS.
19. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS NECESSARY TO AVOID TRESPASSING AND DAMAGING PRIVATE PROPERTY.
20. ALL SPOIL MATERIAL FROM EXCAVATION SHALL BE PLACED ON THE UPLAND SIDE OF ANY SLOPED CONSTRUCTION AREA.
21. THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO PREVENT EROSION INTO NEARBY WETLANDS WHICH INCLUDES TURBIDITY CURTAINS, HAY BAILES, AND ALL OTHER METHODS TO CONTROL EROSION AT NO ADDITIONAL COST TO OWNER AND MAY BE DIRECTED TO DO SO BY THE ENGINEER.
22. THE CONTRACTOR SHALL MAINTAIN A REASONABLE ACCESS TO ALL RESIDENCES AND BUSINESSES DURING CONSTRUCTION.
23. ALL EXISTING CONCRETE, ASPHALT, TREES, STUMPS, AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FLORIDA LAWS.
24. DEWATERING: SHOULD LOWERING OF GROUNDWATER BE NECESSARY FOR THE INSTALLATION OF CONCRETE STRUCTURES, GRAVITY SEWER, FORCEMAINS, WATERMAINS, ETC., OR TO PREVENT LATERAL MOVEMENT OF MATERIAL UNDER CONCRETE ALREADY PLACED, SUCH LOWERING SHALL BE ACCOMPLISHED BY MEANS OF A WELL POINT SYSTEM OR OTHER APPROVED MEANS, AT CONTRACTOR'S EXPENSE. COMPREHENSIVE PLANS FOR DEWATERING OPERATIONS, IF USED, SHALL BE SUBMITTED BY THE CONTRACTOR TO ENGINEER PRIOR TO INSTALLATION.
25. CONTRACTOR SHALL FURNISH "AS BUILT PLANS" INDICATING LOCATIONS OF ALL FEATURES, PIPES, PONDS, PADS, MANHOLES, FITTINGS, VALVES, AND DEAD END RUNS WITH THREE (3) PHYSICAL FEATURES (LOT CORNERS, TREES, ETC.).
26. THE CONTRACTOR SHALL REMOVE AND REPLACE, TO THEIR ORIGINAL NATURE, ALL DISTURBED MATERIALS OR OBJECTS WITHIN THE PATH OF THE NEW UTILITIES AS NECESSARY. ALL REPLACED MATERIALS SHALL BE EQUAL OR BETTER AND SHALL BE APPROVED BY THE ENGINEER. THIS INCLUDES ALL LANDSCAPING WITHIN THE RIGHT OF WAY IN THE PATH OF THE NEW UTILITIES.
27. CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR CONSTRUCTION.
28. A TWO AND ONE HALF FOOT STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT AND ASPHALT MILLING AREAS AND AROUND ALL ABOVE GROUND CONCRETE STRUCTURES INCLUDING BUT NOT LIMITED TO VALVE PADS, BLOW OFF VAULTS, AND AIR RELEASE VAULTS. ALL OTHER DISTURBED AREAS SHALL BE RESTORED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED IN PLANS.
29. PROPOSED SPOT ELEVATIONS REPRESENT PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.

SPECIAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF COORDINATION WITH ELECTRIC COMPANY TO STABILIZE POWER POLES AS THEY ARE ENCOUNTERED THROUGHOUT THE ENTIRE PROJECT.
2. REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS AND DRIVEWAY CULVERTS SHALL BE INCLUDED IN THE BID PRICE. NEW DRIVEWAYS SHALL MATCH EXISTING MATERIALS.
3. REMOVAL AND REPLACEMENT OF EXISTING SIGNS, MAILBOXES, SODDING, IRRIGATION, LANDSCAPING, STRUCTURES, ETC. SHALL BE INCLUDED IN THE BID PRICE.
4. COMPACTION TESTING SHALL BE PERFORMED AT THE ROADWAY CUT FOR EXCAVATION AND BACKFILL SHALL BE COMPACTED PER FDOT SPECIFICATIONS FOR ROAD RECONSTRUCTION AND SHALL BE INCLUDED IN THE BID PRICE.
5. THE LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITIES INCLUDING RECONNECTING ALL WATER AND SEWER SERVICES DAMAGED/BROKEN DURING CONSTRUCTION, WITH NO ADDITIONAL COST TO THE OWNER.
6. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A MAINTENANCE OF TRAFFIC PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION. SIGNAGE SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE INCLUDED IN THE BID PRICE.
7. CONTRACTOR SHALL PROVIDE ALL DE-WATERING FOR CONSTRUCTION AND SHALL BE INCLUDED IN THE BID PRICE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NPDES PERMIT AND MAINTAINING THE SILT FENCE, INLET PROTECTION, AND ANY OTHER EROSION CONTROL NECESSARY IN THE NPDES PERMIT GUIDELINES.

TESTING SCHEDULE

ITEM	TEST	TEST IDENTIFICATION	TEST REQUIREMENT	TEST FREQUENCY
UTILITY TRENCH FILL & BACKFILL	MAXIMUM DENSITY	AASHTO T-190	N/A	PER SOIL TYPE
		ASTM D-1557	95% OF MAXIMUM DENSITY	ONE PER 500 LF HORIZONTAL OR ONE PER 750 SY WITH A MINIMUM OF 3 TESTS, ALTERNATING LIFTS (12")
	FIELD DENSITY	AASHTO T-191, T-204 ASTM D-1556, D-2937	(15% PASSING NO. 200)	ONE PER SOIL TYPE
FILL & BACKFILL UNDER ROADWAYS AND STRUCTURES	MAXIMUM DENSITY	AASHTO T-190	N/A	PER SOIL TYPE
		ASTM D-1557	98% OF MAXIMUM DENSITY	ONE PER 500 LF HORIZONTAL OR ONE PER 750 SY WITH A MINIMUM OF 3 TESTS, ALTERNATING LIFTS (12")
	FIELD DENSITY	AASHTO T-191, T-204, T-238 ASTM D-1556, D-2937, D-2922	(15% PASSING NO. 200)	ONE PER SOIL TYPE
LIMEROCK BASE	BEARING VALUES	LBR-FDOT	100 (MIN.)	ONE PER SITE OR AT MATERIAL CHANGES
		AASHTO T-190	N/A	ONE PER SITE OR AT MATERIAL CHANGES
	FIELD DENSITY	ASTM D-1557 AASHTO T-191, T-204, T-238 ASTM D-1556, D-2937, D2922	98% OF MAXIMUM DENSITY MODIFIED PROCTOR	ONE PER 500 LF HORIZONTAL OR ONE PER 1200 SY WITH A MINIMUM OF 3 TESTS

STORM WATER POLLUTION PREVENTION PLAN:

1. **SITE DESCRIPTION:**
CONSTRUCTION ACTIVITY: EROSION CONTROL & CONSTRUCTION OF ASPHALT BOAT RAMP, CONCRETE RETAINING WALL, FLOATING DOCK & GANGWAYS
PROJECT LIMITS: SEE SHEETS C3, EXISTING CONDITIONS
PROJECT DESCRIPTION: EROSION CONTROL & CONSTRUCTION OF ASPHALT BOAT RAMP, CONCRETE RETAINING WALL, FLOATING DOCK & GANGWAYS
MAJOR SOIL DISTURBING ACTIVITIES: EROSION CONTROL & CONSTRUCTION OF ASPHALT BOAT RAMP, CONCRETE RETAINING WALL, FLOATING DOCK & GANGWAYS
A. TOTAL PROJECT AREA: 0.4 AC
B. TOTAL SOIL AREA TO BE DISTURBED: 0.32 AC
C. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS: N/A
a. NAME OF RECEIVING WATERS: NO DISTURBANCE TO NON-ISOLATED WETLANDS ARE ANTICIPATED.
b. WETLAND AREA: NO DISTURBANCE TO NON-ISOLATED WETLANDS ARE ANTICIPATED.
2. **CONTROLS:** NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS.
A. THE SOIL DISTURBING ACTIVITIES FOR THIS PROJECT ARE AS FOLLOWS: ONLY UPON PROPER PLACEMENT OF ALL EROSION CONTROLS CAN SOIL DISTURBING ACTIVITIES TAKE PLACE. HAY BALES AND SILT FENCE WILL BE USED LATERALLY AT SPECIFIED INTERVALS. HAY BALES SHALL BE USED TO PREVENT SEDIMENTATION FROM ESCAPING PROJECT LIMITS.
B. EROSION AND SEDIMENT CONTROLS:
a. STABILIZATION PRACTICES:
X TEMPORARY SODDING
X TEMPORARY GRASSING
X PERMANENT PLANTING, SODDING, OR SEEDING
TEMPORARY MULCHING
ARTIFICIAL COVERING

b. STRUCTURAL PRACTICES:
SAND BAGGING
X SILT FENCES
X HAY BALES
X BERMS
X DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
PIPE SLOPE DRAINS
FLUMES
X ROCK BEDDING AT CONSTRUCTION EXIT
TIMBER BEDDING AT CONSTRUCTION EXIT
DITCH LINER

c. SEDIMENT TRAPS
X RIP RAP

C. DESCRIPTION OF STORM WATER MANAGEMENT: WET & DRY DETENTION
D. OTHER CONTROLS:
a. WASTE DISPOSAL: NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE.
b. OFFSITE VEHICLE TRACKING:
HAUL ROADS DAMPENED FOR DUST CONTROL
X LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
X EXCESS DIRT ON ROAD REMOVED DAILY
X STABILIZED CONSTRUCTION ENTRANCE
c. SANITARY WASTE: N/A
d. FERTILIZERS AND PESTICIDES: FERTILIZERS AND/OR PESTICIDES SHALL BE APPLIED ACCORDING TO MANUFACTURERS RECOMMENDATIONS BY A LICENSED OR CERTIFIED APPLICATOR AS DIRECTED BY THE PROJECT ENGINEER.
e. NON-STORMWATER DISCHARGE (INCLUDING SPILL REPORTING): NO NON-STORMWATER DISCHARGES ARE ANTICIPATED.

E. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS:
3. **MAINTENANCE:**
ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN (7) CALENDAR DAYS AFTER THE SURROUNDING EXPOSED AREA HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT.
4. **INSPECTION:**
A. ALL CONTROLS SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AS WELL AS AFTER 0.25' OR MORE OF RAIN. AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION, BASED ON INSPECTION RESULTS THE CONTROLS SHALL BE REVISED PER THE INSPECTION REPORTS.
B. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTION THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAGES AND DAILY RAINFALL RECORDS. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT AND CERTIFY THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
C. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS NEEDED.
D. RECORDS OF THE INSPECTION AND THE CONSTRUCTION PERMIT MUST BE MAINTAINED AT THE CONSTRUCTION SITE AND BE READILY AVAILABLE FOR INSPECTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COVERAGE UNDER THE GENERAL PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION OR ANY DISTURBANCE OF LAND GREATER THAN ONE ACRE. THE CONTRACTOR WILL FORWARD A COPY OF THE PERMIT AND WILL PROVIDE 24 HOUR NOTIFICATION TO THE CITY OWNER PRIOR TO COMMENCEMENT OF WORK. ALL REQUIRED ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN MUST BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION. FAILURE TO COMPLY COULD RESULT IN CODE ENFORCEMENT ACTION AND FINES.
6. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING REQUIRED WASTE MANAGEMENT PRACTICES AS DEFINED IN THE GADSDEN COUNTY MUNICIPAL CODE "UNLAWFUL DISPOSAL OF WASTE, FAILURE TO DELIVER WASTE," WHICH MAKES IT UNLAWFUL FOR ANY PERSON TO DUMP, LEAVE OR BURY ANY SOLID WASTE ON PUBLIC OR PRIVATE PROPERTY.
7. SWEEPING SHALL OCCUR DAILY OR IMMEDIATELY AFTER SUCH EVENTS THAT CAUSE TRACKING ONTO STREET.



Dewberry Engineers Inc.
654 S.E. Baya Drive
Lake City, FL 32055
386.719.9985

BOARD OF COUNTY COMMISSIONERS
CHARLES SPRINGS BOAT
RAMP IMPROVEMENTS
15465 237TH DRIVE, LIVE OAK, FL 32060
SUWANNEE COUNTY, FLORIDA

SEAL
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY WILLIAM A. MENADIER ON THE DATE NOTED ON THE ELECTRONIC SIGNATURE

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WILLIAM A. MENADIER
ENGINEER OF RECORD LICENSE #74581
EB # 8794

REVISIONS		
NO.	DESCRIPTION	DATE

DRAWN BY J. LUIZ

APPROVED BY W. MENADIER

CHECKED BY T. COVINGTON

DATE AUGUST 2022

TITLE

GENERAL NOTES & S.W.P.P. PLAN

PROJECT NO. 50137332

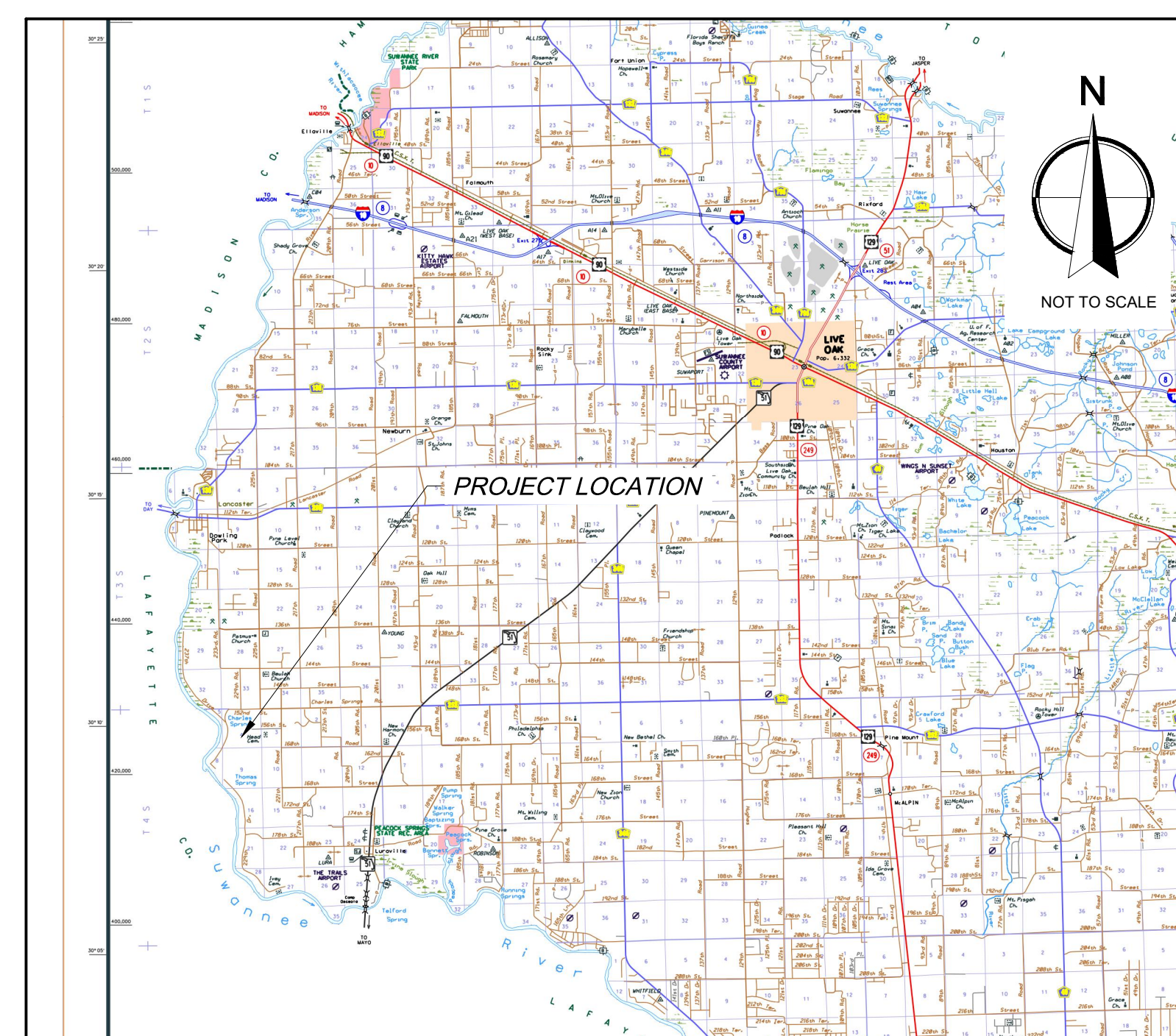
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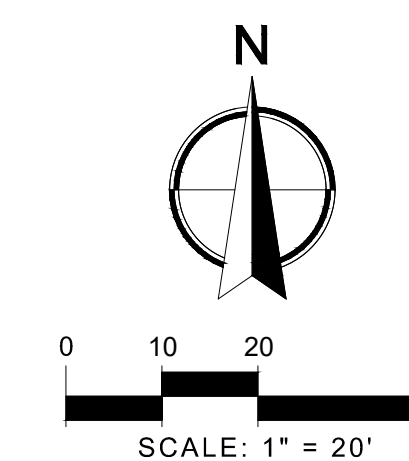
CHARLES SPRINGS BOAT RAMP TOPOGRAPHIC SURVEY

LYING IN A PORTION OF SECTIONS 4 & 5, TOWNSHIP 4 SOUTH, RANGE 11 EAST, SUWANNEE COUNTY, FLORIDA.

LOCATION MAP



SUWANNEE COUNTY, FLORIDA



LEGEND:

- ELEV = ELEVATION
- FND = FOUND
- IR&C = IRON ROD AND CAP
- MS = MULTISIGN
- PG = PAGE
- PSM = PROFESSIONAL SURVEYOR AND MAPPER
- R/W = RIGHT-OF-WAY
- TBM = TEMPORARY BENCHMARK
- TOB = TOP OF BANK
- TOS = TOE OS SLOPE
- WGI = WGI, INC.
- ⊕ = BENCHMARK
- ⊕ = SINGLE SUPPORT SIGN

FLOOD PLAIN NOTE:

THE PARCEL OF LAND SHOWN HEREON IS LOCATED IN FLOOD ZONES *AE BASE FLOOD ELEVATION 53 FEET, BASED ON THE FEMA FLOOD INSURANCE RATE MAP FOR SUWANNEE COUNTY, FLORIDA, COMMUNITY-PANEL MAP NUMBER 12121C0236B, WITH AN EFFECTIVE DATE OF SEPTEMBER 28, 2007. THERE MAY BE ADDITIONAL INFORMATION (LETTER OF MAP REVISIONS, LETTER OF MAP AMENDMENTS, OR LETTER OF MAP CHANGES) NOT PROVIDED TO, NOR RESEARCHED BY THE UNDERSIGNED SURVEYOR, THAT COULD AFFECT THE SUBJECT PROPERTY.

SURVEYOR IN RESPONSIBLE CHARGE:

FOR THE FIRM
 WGI, INC.
 CERTIFICATE OF AUTHORIZATION NO. LB 7055

BY: _____ DATE: _____
 STEPHEN DEES,
 PROFESSIONAL SURVEYOR AND MAPPER FLORIDA LICENSE NO. LS 7316

SURVEYOR'S NOTES:

1. THE FIELD SURVEY WAS COMPLETED ON 05/24/21 AND RECORDED IN FIELD BOOK GNV2, PAGES 34-35.
2. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE", AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN RULE 5J-17.050 THROUGH 5J-17.053, OF THE FLORIDA ADMINISTRATIVE CODE.
3. THIS SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
4. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
5. COPYRIGHT © 2021 BY WGI, INC.
6. THE BEARINGS SHOWN UPON THIS SURVEY ARE BASED ON GRID NORTH AS ESTABLISHED BY THE NATIONAL OCEAN SERVICE ("NOS") THROUGH ITS PROGRAM OFFICE NATIONAL GEODETIC SURVEY ("NGS") AND BASE LINE BETWEEN CONTROL POINTS 1 AND 2 BEING NORTH 71 DEGREES 50 MINUTES 50 SECONDS EAST.
7. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, AS ESTABLISHED BY CONTROL POINT 1 AND 2 ESTABLISHED BY FRIER AND ASSOCIATES AS SHOWN IN CAD DRAWING PROVIDED BY THE CLIENT TITLED "TOPO - CHARLES SPRINGS".
8. THE COORDINATE SYSTEM UTILIZED HEREON IS RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM OF 1983, 2011 AS DERIVED BY REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEM ("RTK GPS") SURVEY METHODS USING THE PUBLIC FLORIDA DEPARTMENT OF TRANSPORTATION'S FLORIDA PERMANENT REFERENCE NETWORK ("FPRN"). THE CORRECTED POSITIONS COMPUTED BY THESE NETWORKS WERE VERIFIED THROUGH A REDUNDANCY OF MEASUREMENTS ON PRIMARY CONTROL ALONG WITH CONSISTENT HORIZONTAL CHECKS TO SECONDARY CONTROL POINTS ON SITE. ALL DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET.
9. IN SOME INSTANCES IT IS NECESSARY TO EXAGGERATE THE LOCATION OF SOME FEATURES SUCH AS, BUT NOT LIMITED TO, FENCES, ADDITIONAL PROPERTY CORNERS FOUND, ETC. IN ORDER TO MORE CLEARLY REPRESENT THE AFOREMENTIONED ITEMS.
10. THE PROPERTY SURVEYED MAY CONTAIN WETLANDS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS SUBJECT TO THE JURISDICTION BY GOVERNMENTAL AGENCIES. THE LIMITS OF SAID AREAS, IF ANY, HAVE NOT BEEN LOCATED OR SHOWN HEREON.
11. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY (AS PER THE CLIENT'S REQUEST) IS TO LOCATE ALL ABOVE GROUND FEATURES ALONG THE EXISTING BOAT RAMP.
12. THE SAFE UPLAND LINE IS APPROXIMATE AND WAS ESTABLISHED USING MINIMAL FIELD EVIDENCE.

WGI
 9409 NW 77th Rd, Unit 14, Gainesville, FL 32606
 Phone No. 866.908.2220, www.wginc.com
 LB No. 7055

NO.	DATE	DESCRIPTION	REVISIONS
			BY

CAD: VS66900-CHARLES-0210-DWG
 JOB NO. 6987.00
 DRAWN BY KHL
 CHECK BY SD
 DATE 06/01/2021
 SURVEYOR OF RECORD
 STEPHEN DEES
 PSM# LS 7316

**TOPOGRAPHIC SURVEY
 CHARLES SPRINGS BOAT RAMP**

SUWANNEE COUNTY, FLORIDA

SHEET:
C3

Stephen Dees, C:\Users\psm\OneDrive\Documents\5680200-CHARLES-0210-DWG -- Plotfile: 6/20/2021 8:42:53 AM SUWANNEE.ctb 6/20/21 8:42:53 AM

LEGEND

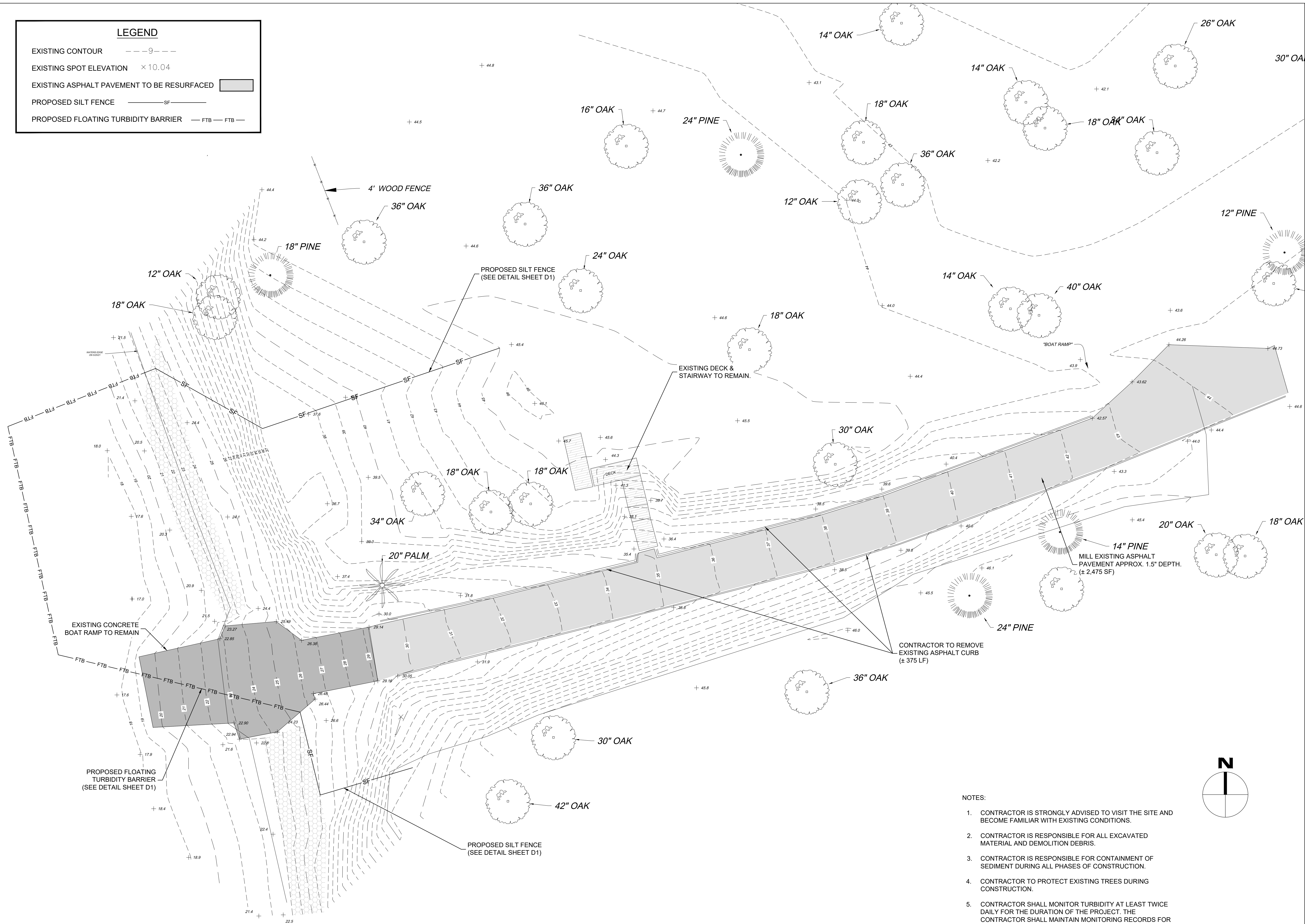
EXISTING CONTOUR - - - 9 - - -

EXISTING SPOT ELEVATION × 10.04

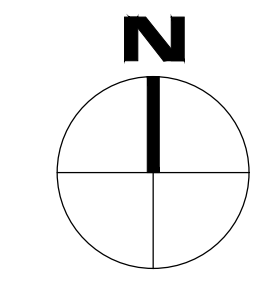
EXISTING ASPHALT PAVEMENT TO BE RESURFACED [Hatched Box]

PROPOSED SILT FENCE — SF —

PROPOSED FLOATING TURBIDITY BARRIER — FTB — FTB —



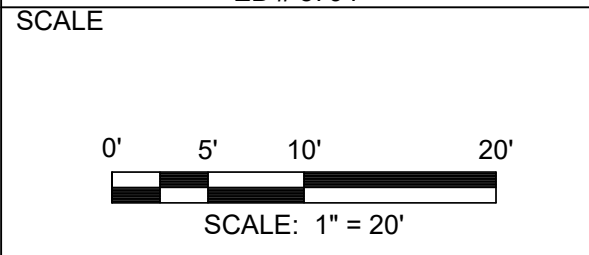
- NOTES:
- CONTRACTOR IS STRONGLY ADVISED TO VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
 - CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATED MATERIAL AND DEMOLITION DEBRIS.
 - CONTRACTOR IS RESPONSIBLE FOR CONTAINMENT OF SEDIMENT DURING ALL PHASES OF CONSTRUCTION.
 - CONTRACTOR TO PROTECT EXISTING TREES DURING CONSTRUCTION.
 - CONTRACTOR SHALL MONITOR TURBIDITY AT LEAST TWICE DAILY FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN MONITORING RECORDS FOR INSPECTION FOR THE DURATION OF THE PROJECT AND AN ADDITIONAL 90 DAYS BEYOND IN-WATER CONSTRUCTION.



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15465 237TH DRIVE, LIVE OAK, FL 32060
SUWANNEE COUNTY, FLORIDA

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ENGINEER OF RECORD LICENSE #74581
EB # 8794



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APPROVED BY W. MENADIER
CHECKED BY T. COVINGTON
DATE AUGUST 2022

EROSION CONTROL & DEMOLITION PLAN

PROJECT NO. 50137332

C4

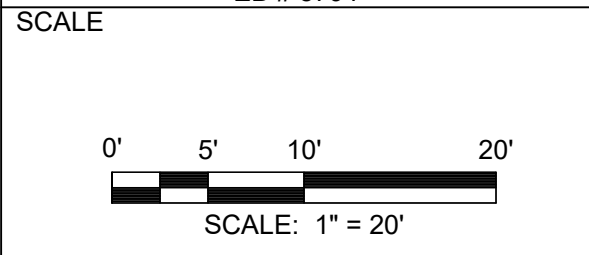
SHEET NO. OF

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DATE AUGUST 2022

TITLE

**SITE &
GRADING
PLAN**

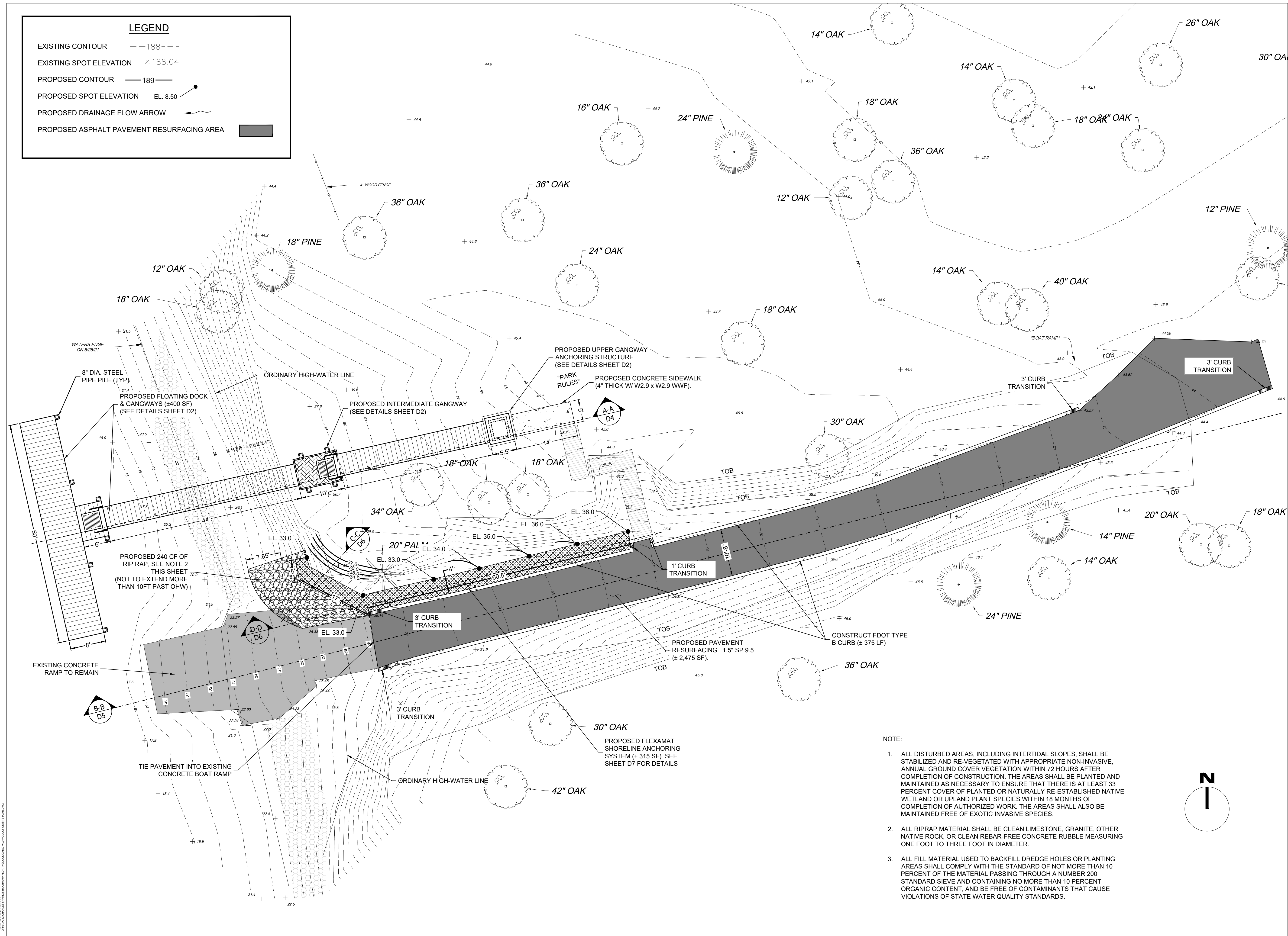
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C5

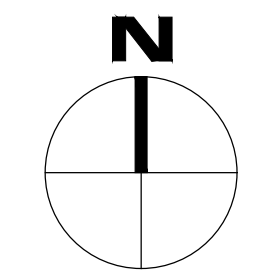
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LEGEND

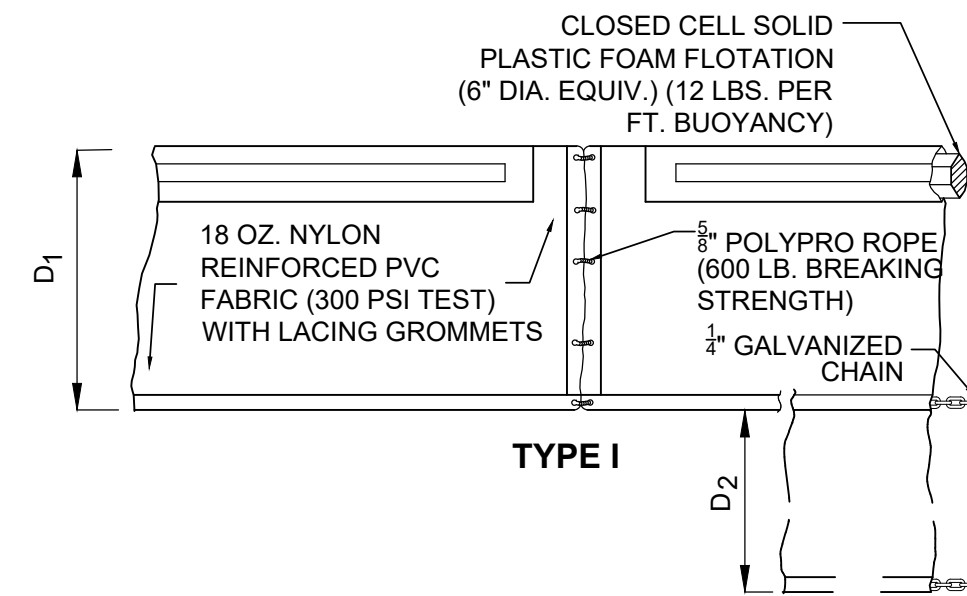
- EXISTING CONTOUR ---188---
- EXISTING SPOT ELEVATION ×188.04
- PROPOSED CONTOUR —189—
- PROPOSED SPOT ELEVATION EL. 8.50
- PROPOSED DRAINAGE FLOW ARROW
- PROPOSED ASPHALT PAVEMENT RESURFACING AREA



- NOTE:
- ALL DISTURBED AREAS, INCLUDING INTERTIDAL SLOPES, SHALL BE STABILIZED AND RE-VEGETATED WITH APPROPRIATE NON-INVASIVE, ANNUAL GROUND COVER VEGETATION WITHIN 72 HOURS AFTER COMPLETION OF CONSTRUCTION. THE AREAS SHALL BE PLANTED AND MAINTAINED AS NECESSARY TO ENSURE THAT THERE IS AT LEAST 33 PERCENT COVER OF PLANTED OR NATURALLY RE-ESTABLISHED NATIVE WETLAND OR UPLAND PLANT SPECIES WITHIN 18 MONTHS OF COMPLETION OF AUTHORIZED WORK. THE AREAS SHALL ALSO BE MAINTAINED FREE OF EXOTIC INVASIVE SPECIES.
 - ALL RIPRAP MATERIAL SHALL BE CLEAN LIMESTONE, GRANITE, OTHER NATIVE ROCK, OR CLEAN REBAR-FREE CONCRETE RUBBLE MEASURING ONE FOOT TO THREE FOOT IN DIAMETER.
 - ALL FILL MATERIAL USED TO BACKFILL DREDGE HOLES OR PLANTING AREAS SHALL COMPLY WITH THE STANDARD OF NOT MORE THAN 10 PERCENT OF THE MATERIAL PASSING THROUGH A NUMBER 200 STANDARD SIEVE AND CONTAINING NO MORE THAN 10 PERCENT ORGANIC CONTENT, AND BE FREE OF CONTAMINANTS THAT CAUSE VIOLATIONS OF STATE WATER QUALITY STANDARDS.



August 18, 2022 09:46:30 EDT
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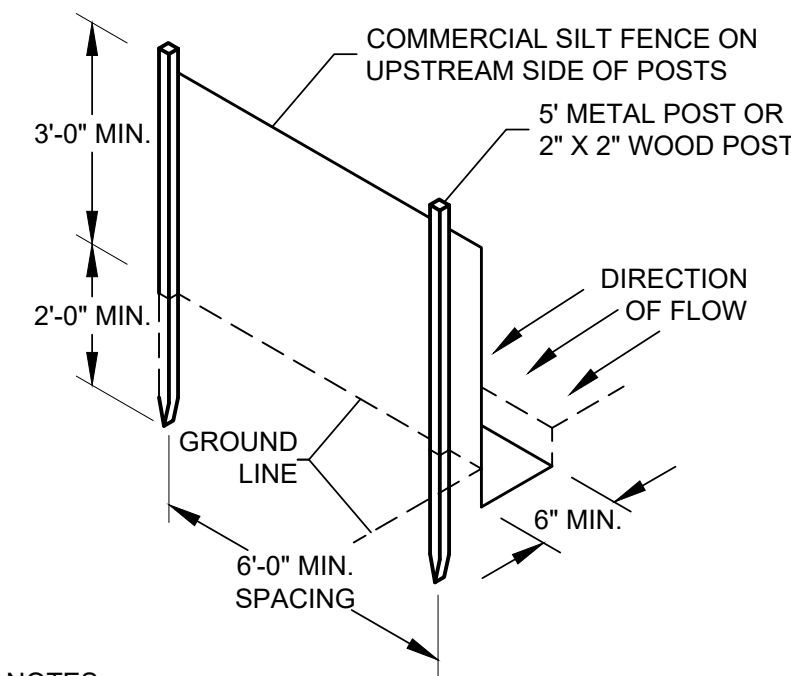


D = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D = 5' STD. (ADDITIONAL PANEL FOR DEPTHS 5').
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET.
TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIER DETAIL

N.T.S.

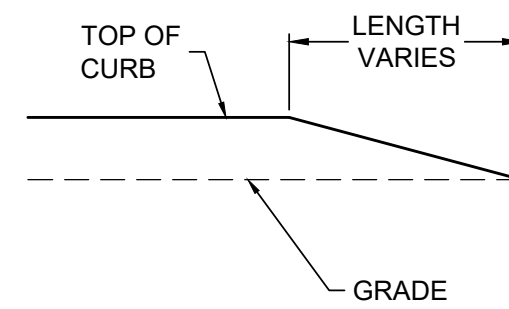


NOTES:

1. DIG TRENCH 6" DEEP.
2. LAY IN FABRIC TO BOTTOM OF TRENCH.
3. BACK TRENCH, COVERING FABRIC.

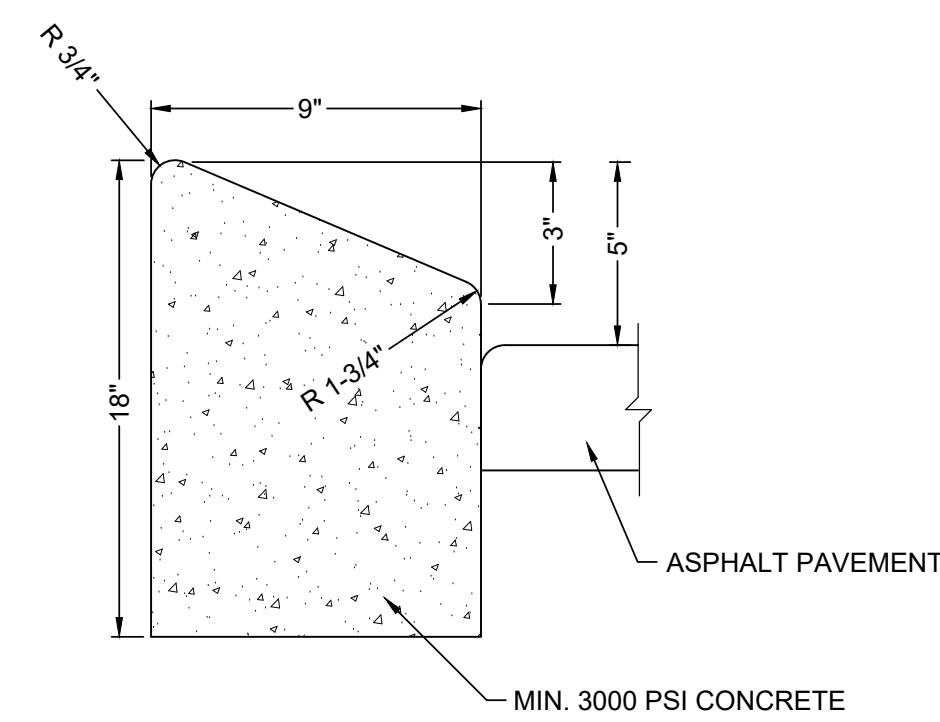
TYPE IV SILT FENCE

N.T.S.



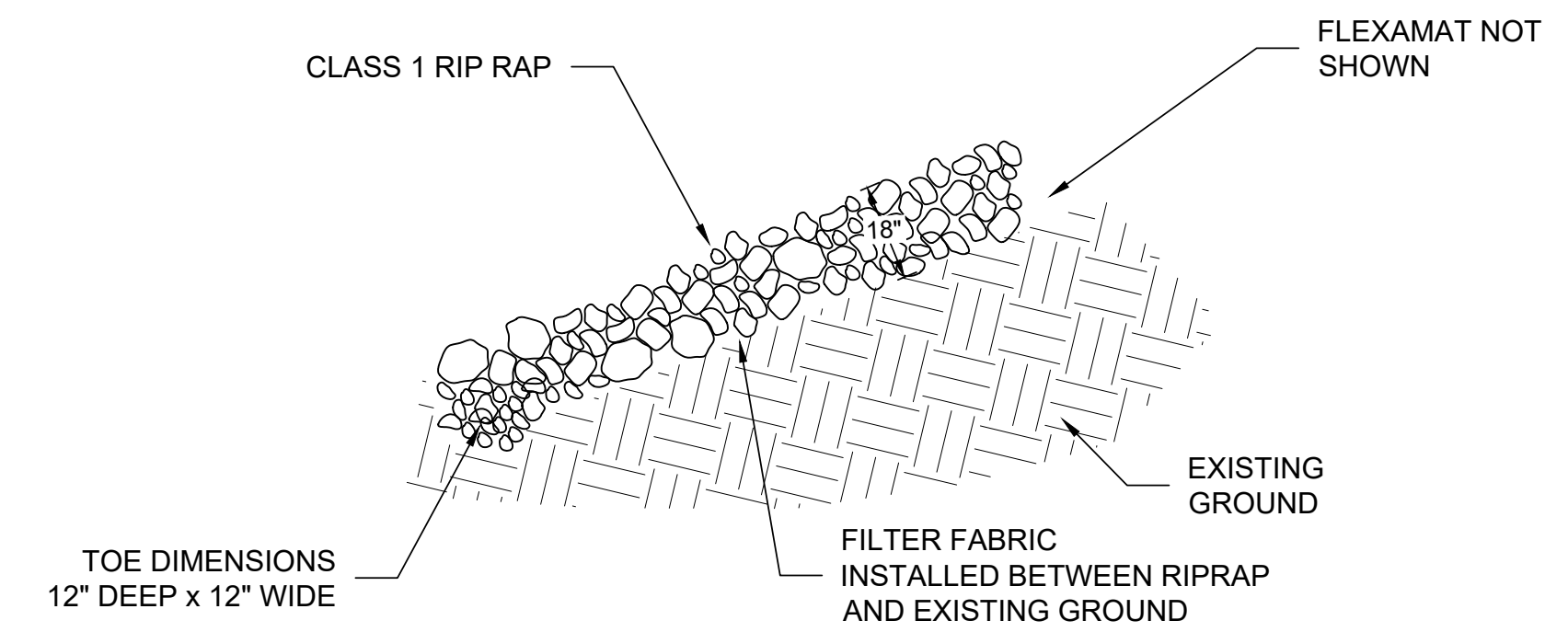
CURB TRANSITION DETAIL

N.T.S.



FDOT TYPE B CURB DETAIL

N.T.S.



RIP RAP DETAILS

N.T.S.

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SUWANNEE COUNTY, FLORIDA

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ENGINEER OF RECORD LICENSE #74581
EB # 8794

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REVISIONS

NO.	DESCRIPTION	DATE

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APPROVED BY W. MENADIER
CHECKED BY T. COVINGTON
DATE AUGUST 2022

TITLE
GENERAL DETAILS

PROJECT NO. 50137332

D1
SHEET NO. OF

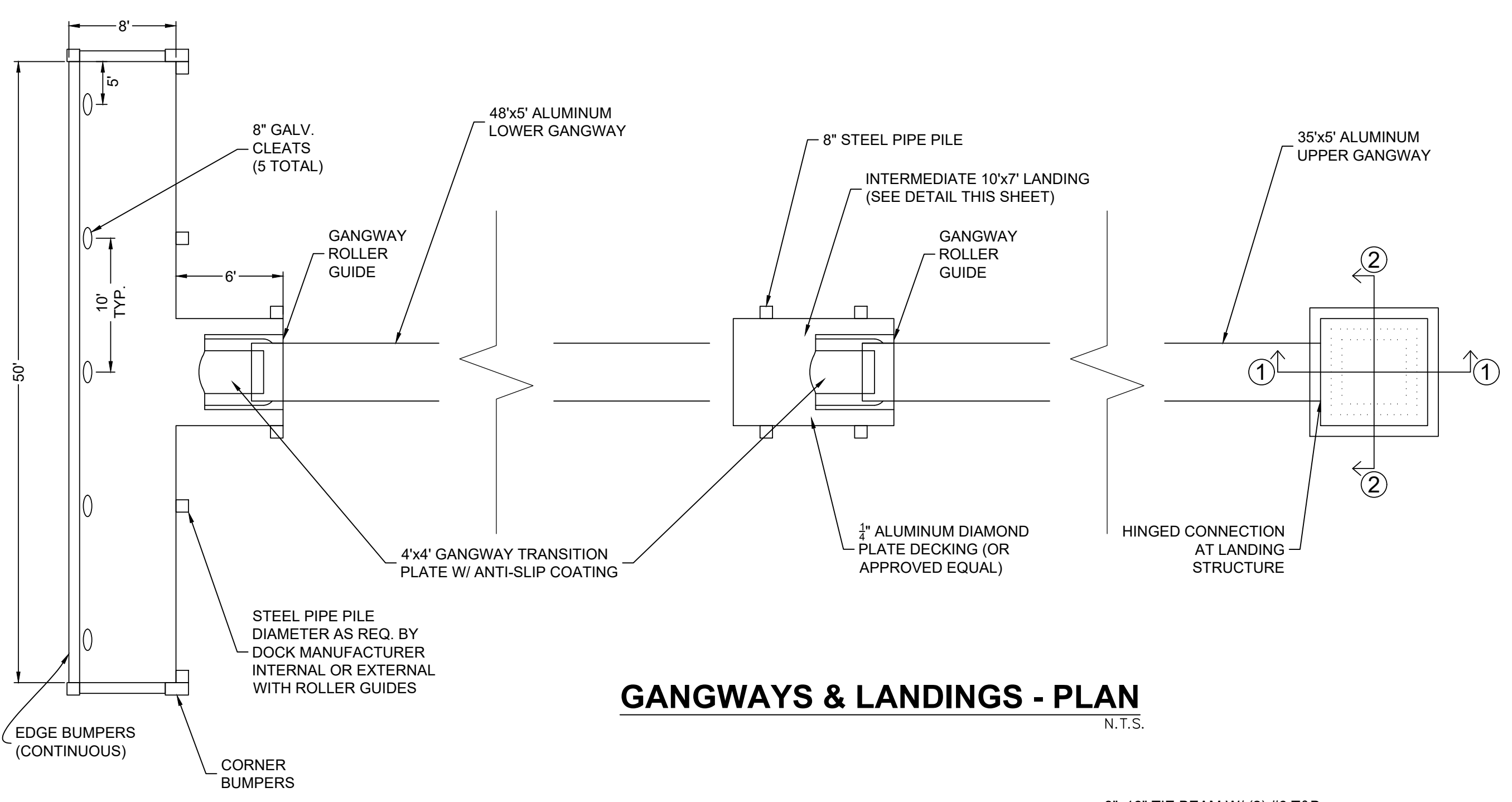
REVISIONS

NO.	DESCRIPTION	DATE

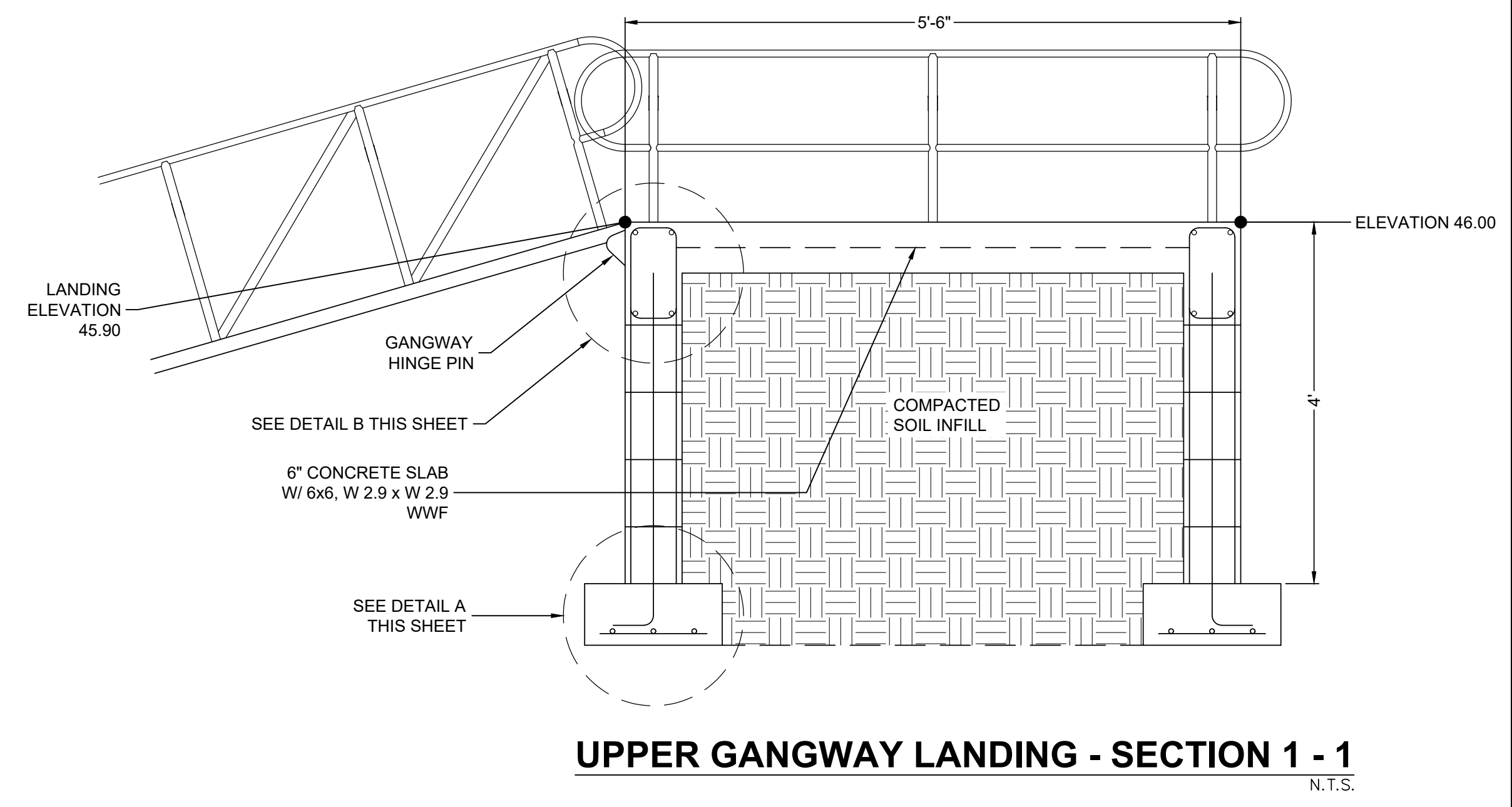
DRAWN BY _____ J. LUIZ
APPROVED BY _____ W. MENADIER
CHECKED BY _____ T. COVINGTON
DATE _____ AUGUST 2022
TITLE _____

**DOCK
DETAILS**

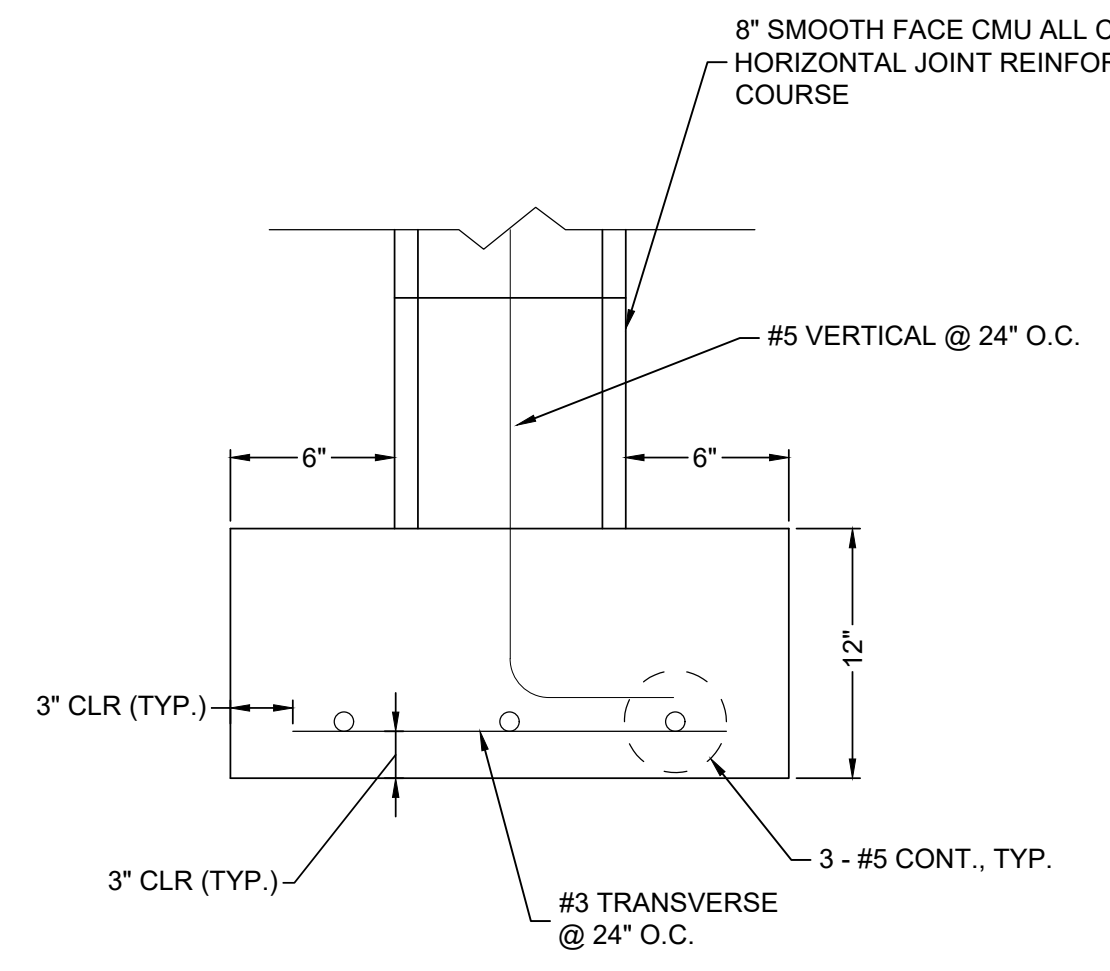
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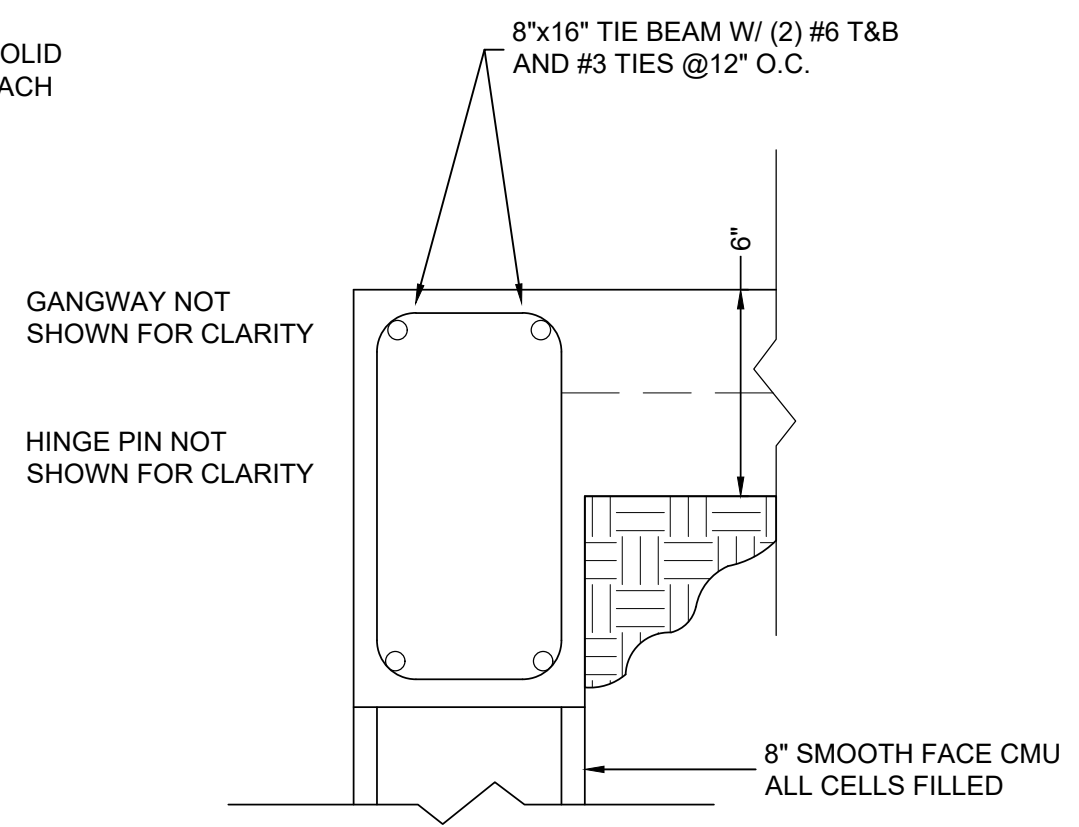
GANGWAYS & LANDINGS - PLAN
N.T.S.



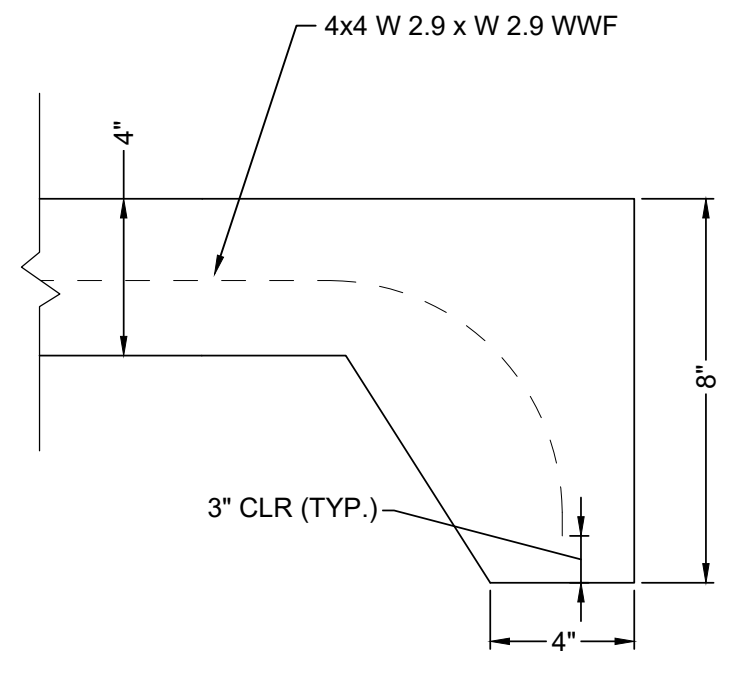
UPPER GANGWAY LANDING - SECTION 1 - 1
N.T.S.



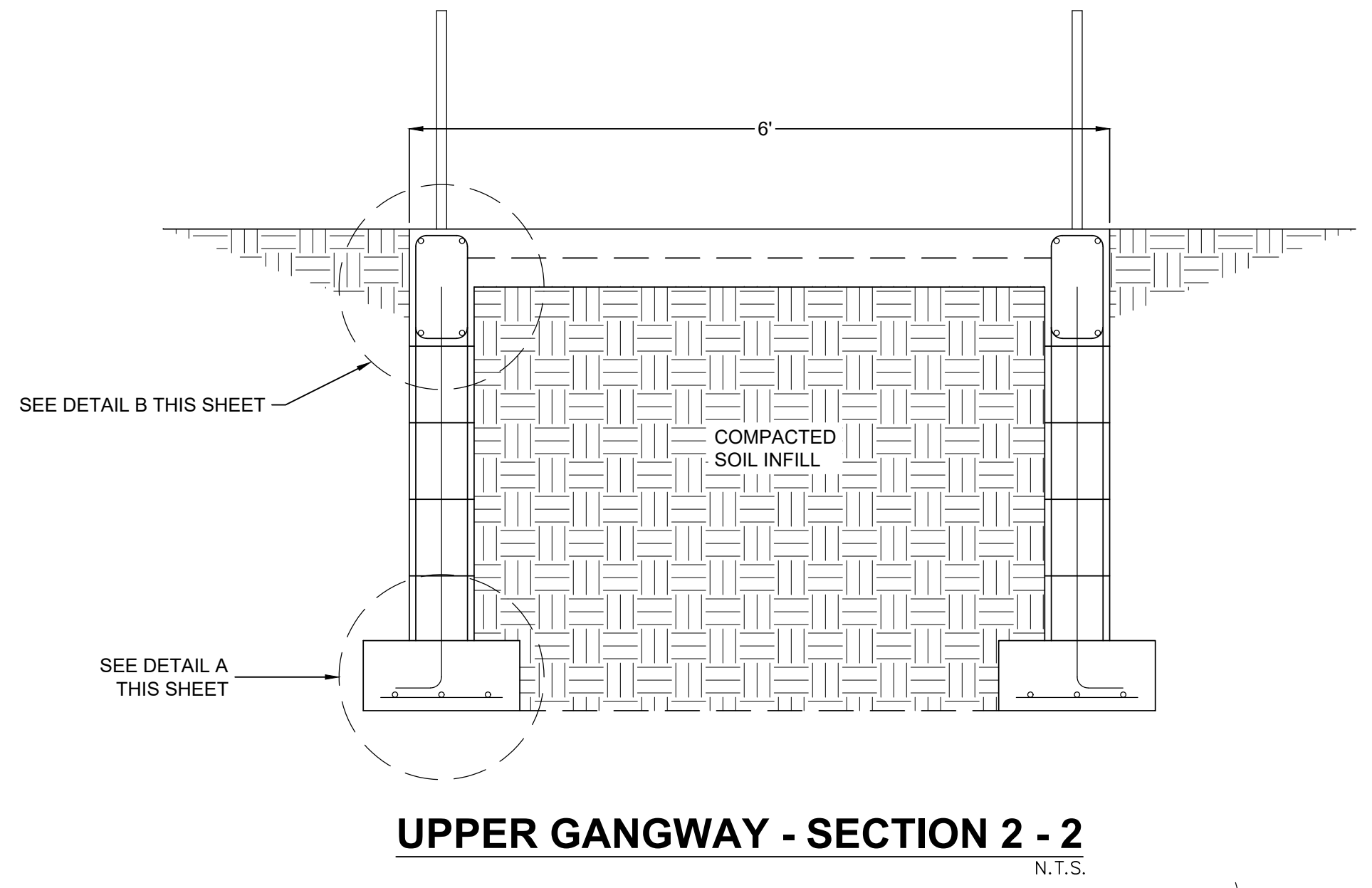
DETAIL A



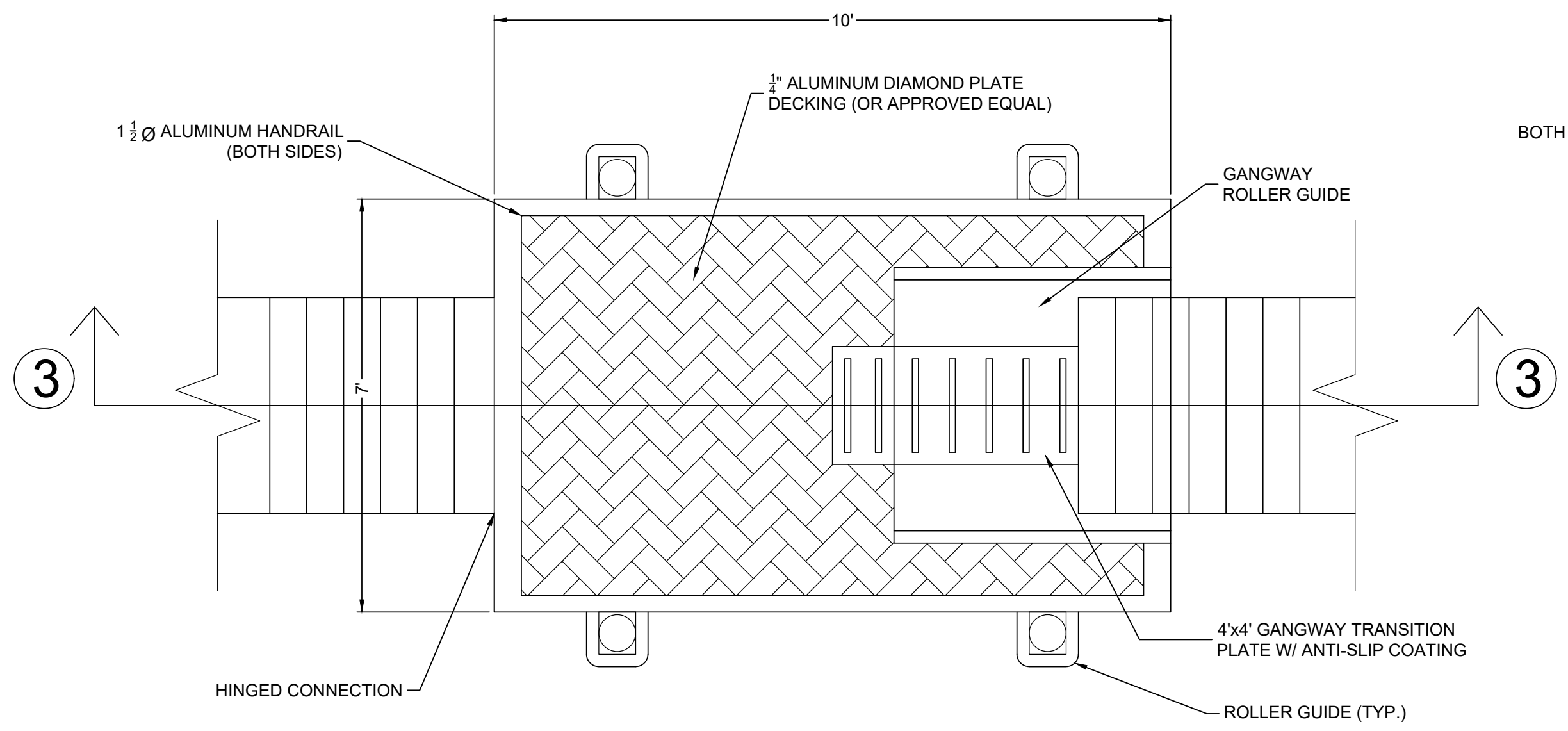
DETAIL B



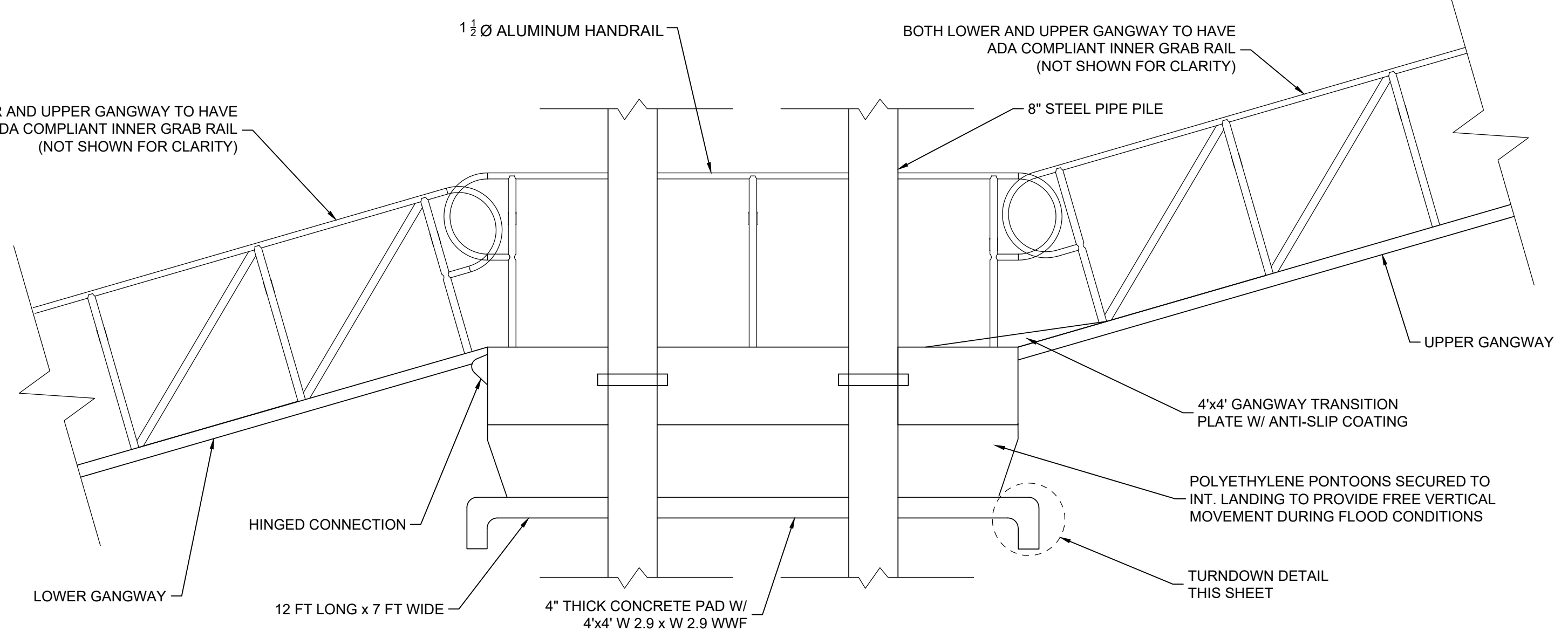
TURN DOWN DETAIL
N.T.S.



UPPER GANGWAY - SECTION 2 - 2
N.T.S.



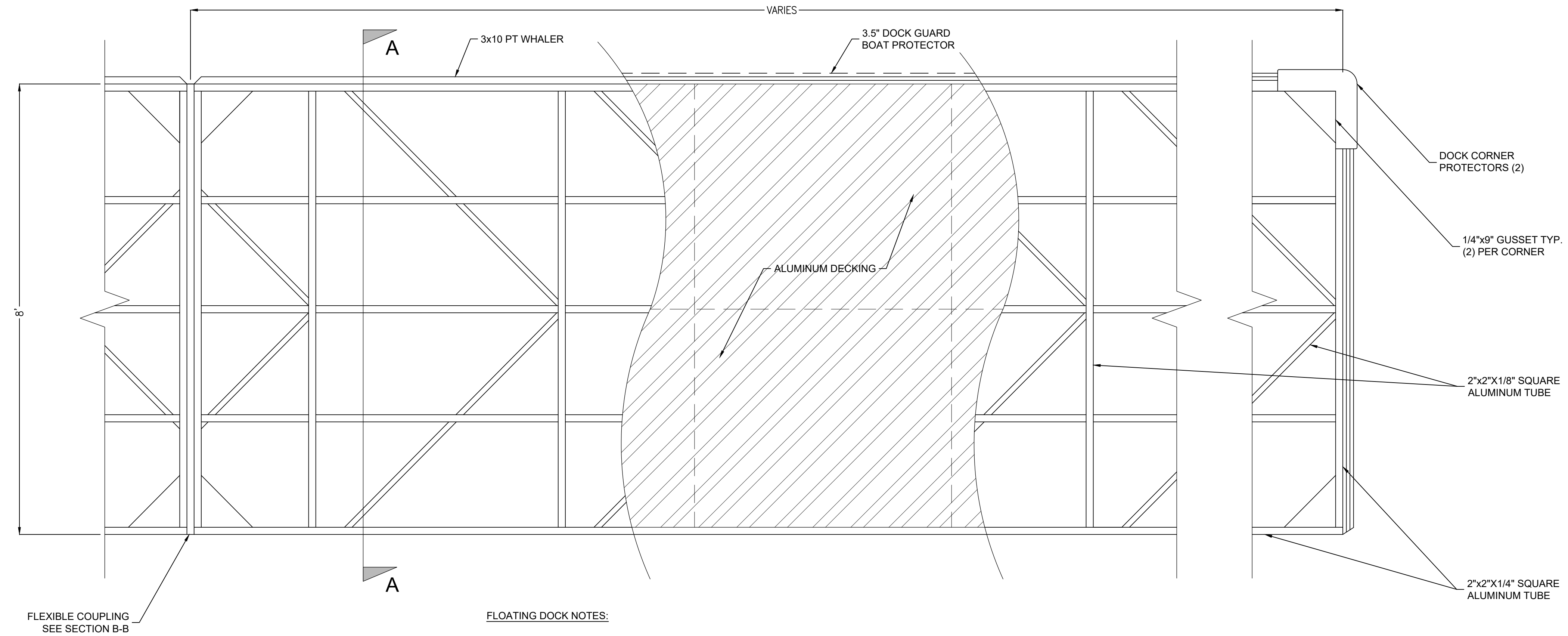
INTERMEDIATE LANDING - PLAN
N.T.S.



INTERMEDIATE LANDING - SECTION 3 - 3
N.T.S.

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BOARD OF COUNTY COMMISSIONERS
CHARLES SPRINGS BOAT RAMP IMPROVEMENTS
15465 237TH DRIVE, LIVE OAK, FL 32060
SUWANNEE COUNTY, FLORIDA



- FLOATING DOCK NOTES:**
1. FLOATING DOCK DESIGN IS CONCEPTUAL FOR BIDDING PURPOSES ONLY. DOCK DESIGN WILL VARY FROM ONE MANUFACTURER TO THE NEXT. DESIGN APPROVAL SHALL BE ON THE BASIS OF COMPLIANCE TO SPECIFICATIONS AND DOCK GEOMETRY AS SHOWN ON DRAWINGS.
 2. PILE GUIDE SHALL BE DESIGNED FOR ROUTINE DETACHMENT OF FLOATING DOCK SECTIONS FROM PILE FOR WEATHER EMERGENCY MANAGEMENT OPERATIONS (IF DESIGNED FOR PILE GUIDE).
 3. SEE SPECIFICATIONS FOR LOADING CRITERIA.

FLOATING DOCK PARTIAL PLAN VIEW
N.T.S.

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EB # 8794

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REVISIONS

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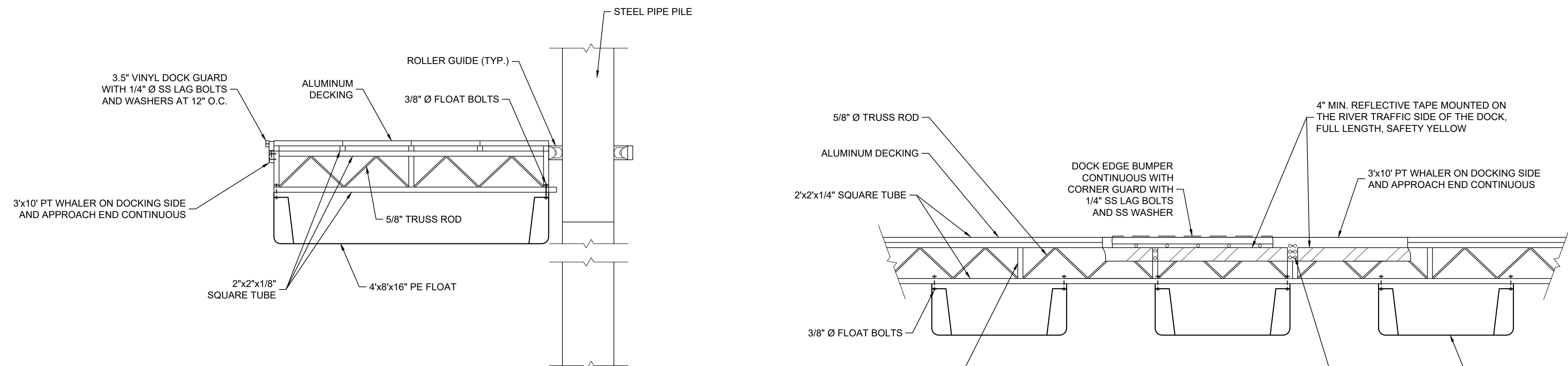
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CHECKED BY T. COVINGTON
DATE AUGUST 2022

TITLE

DOCK DETAILS

PROJECT NO. 50137332

SHEET NO. **D3** **OF**



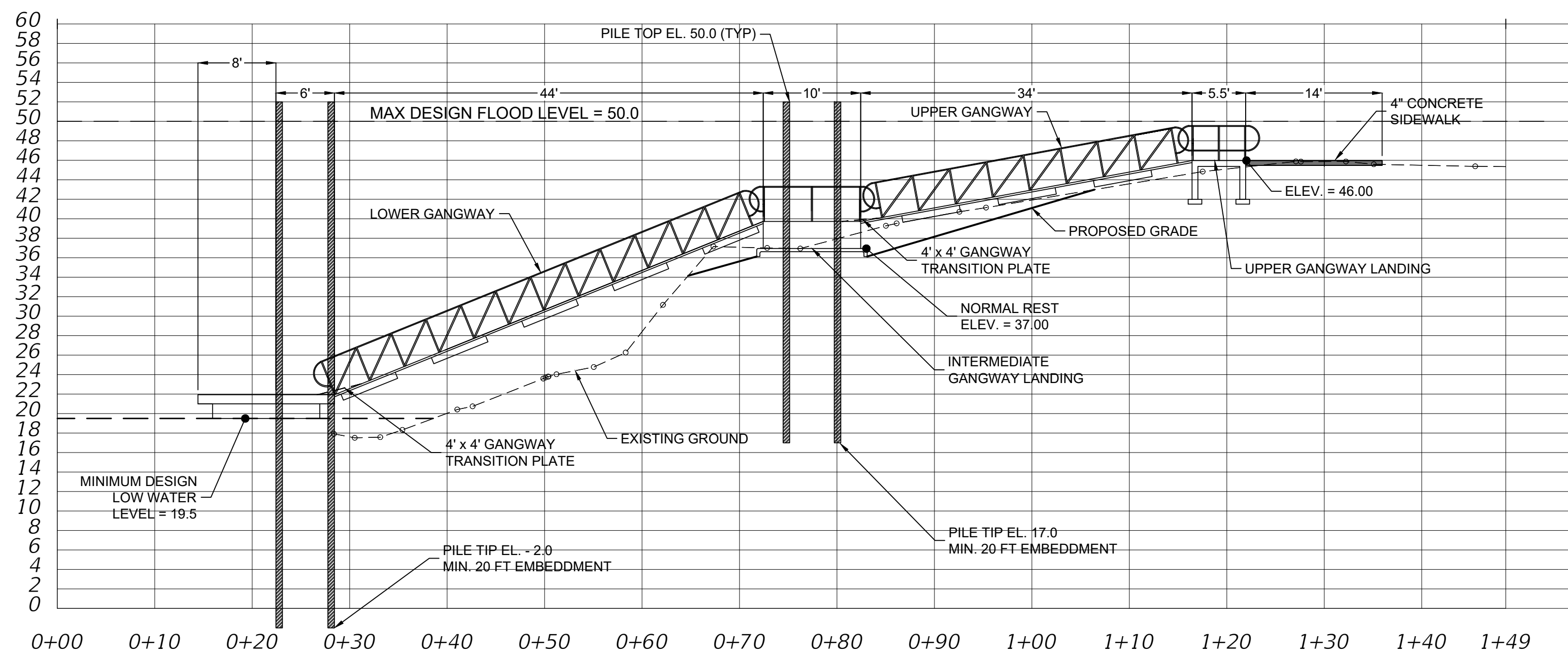
NOTE: FLOATING DOCK DESIGN IS CONCEPTUAL FOR BIDDING PURPOSES ONLY. DOCK DESIGN WILL VARY FROM ONE MANUFACTURER TO THE NEXT. DESIGN APPROVAL SHALL BE ON THE BASIS OF COMPLIANCE TO SPECIFICATIONS.

NOTE: FLOATING DOCK DESIGN IS CONCEPTUAL FOR BIDDING PURPOSES ONLY. DOCK DESIGN WILL VARY FROM ONE MANUFACTURER TO THE NEXT. DESIGN APPROVAL SHALL BE ON THE BASIS OF COMPLIANCE TO SPECIFICATIONS.

FLOATING DOCK SECTION A - A
N.T.S.

FLOATING DOCK PROFILE VIEW
N.T.S.

BOARD OF COUNTY COMMISSIONERS
**CHARLES SPRINGS BOAT
 RAMP IMPROVEMENTS**
 15465 237TH DRIVE, LIVE OAK, FL 32060
 SUWANNEE COUNTY, FLORIDA




- NOTES:
1. EXISTING GRADE WILL REMAIN THE SAME BETWEEN STATIONS 0+00 AND 0+65.
 2. THERE WILL BE MINIMAL CUT BETWEEN STATIONS 0+65 AND 1+05. APPROXIMATELY 10 CY. THE SOLID LINE WILL REPRESENT THE PROPOSED GRADE.
 3. EXISTING GRADE WILL REMAIN THE SAME BETWEEN STATIONS 1+05 AND 1+49.
 4. THERE WILL BE EXCAVATION AROUND STATION 1+20 TO ALLOW CONSTRUCTION OF UPPER LANDING.

PROFILE A-A "DOCK, GANGWAYS & LANDINGS"
SCALE: 1"=20'

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SCALE

 SCALE: 1" = 20'

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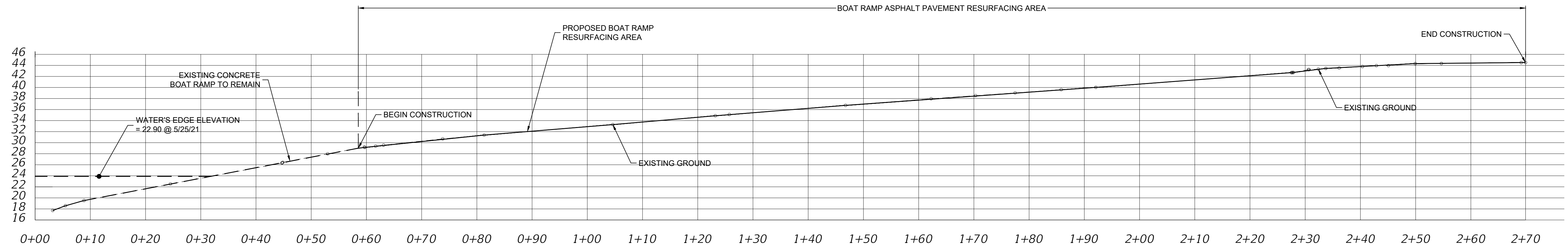
DOCK PROFILE

PROJECT NO. 50137332

D4

SHEET NO. _____ OF _____

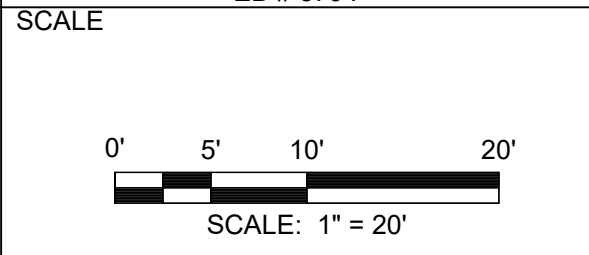
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PROFILE B-B "BOAT RAMP"
SCALE: 1"=20'

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DATE AUGUST 2022

TITLE

DOCK PROFILE

PROJECT NO. 50137332

D5

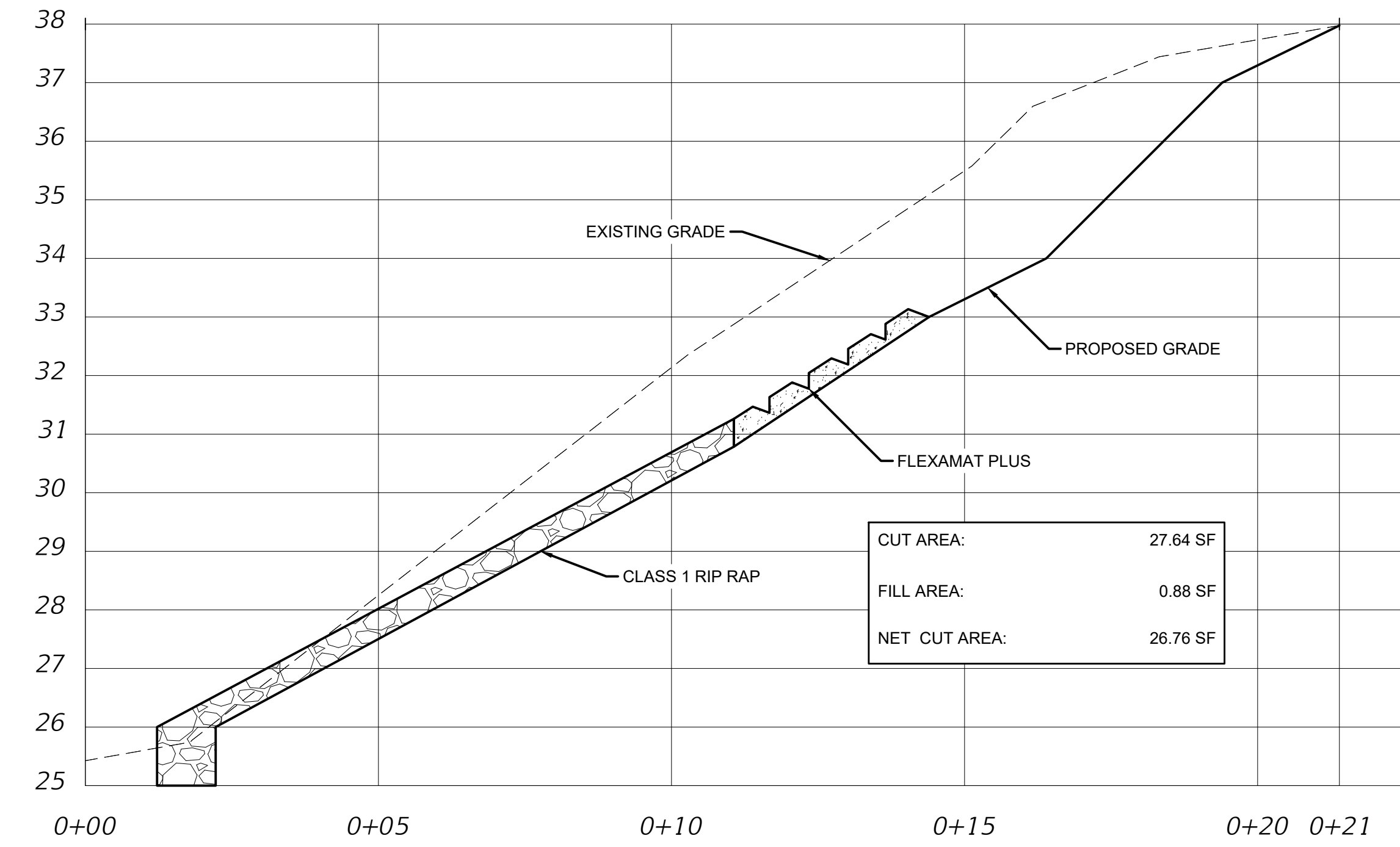
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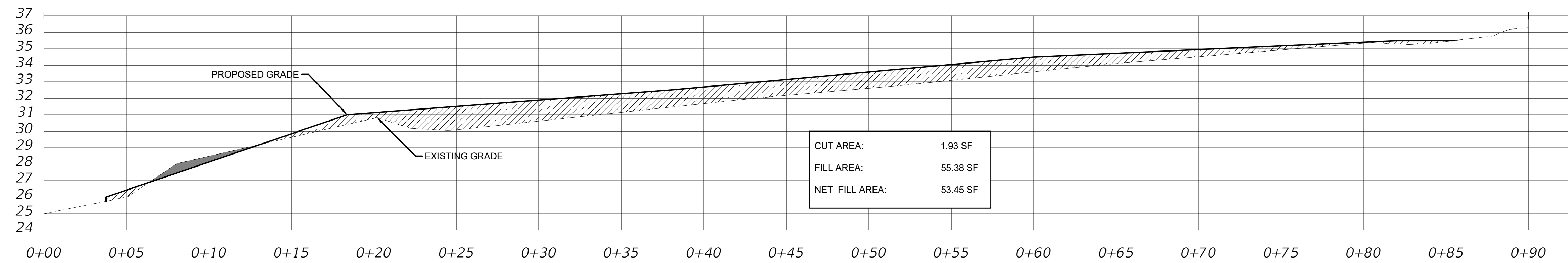
Dewberry Engineers Inc.
 654 S.E. Baya Drive
 Lake City, FL 32055
 386.719.9965

BOARD OF COUNTY COMMISSIONERS
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CROSS SECTION C-C

SCALE: 1"=3'



CROSS SECTION D-D

SCALE: 1"=4'

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TITLE

**CROSS
 SECTIONS**

PROJECT NO. 50137332

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SHEET NO. OF

