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CONSTRUCTION PLANS FOR: THE SANCTUARY SUBDIVISION PHASE TWO Approved

SITE DATA

PROPERTY OWNER: DR HORTON 2450 S HWY 29 #1 CANTONMENT, FLORIDA 32533

SURVEYOR DEWBERRY 25353 FRIENDSHIP ROAD DAPHNE, AL 36526 (251) 929-9803 - VGERMAIN@DEWBERRY.COM VICTOR L. GERMAIN, PLS - FL NO. 7281

ENGINEER:

DEWBERRY 139 E. GOVERNMENT STREET PENSACOLA, FL 32502 DAVID TILLAR, P.E. - FL NO. 86282 (850) 760-0332 - DTILLAR@DEWBERRY.COM

GROSS PROJECT AREA: WETLAND/BUFFER AREA: **GROSS DENSITY: CURRENT ZONING:** FUTURE LAND USE: TYPE OF SUBDIVISION: NUMBER OF LOTS: CONTOUR INTERVAL: DATUM: STREET LENGTH: TYPE OF STREETS: **R/W WIDTH: PAVEMENT WIDTH:** STREET MAINTENANCE: STORMWATER MAINTENANCE MIN. LOT AREA: MIN. LOT WIDTH AT RIGHT OF WAY: MIN. DEPTH OF FRONT YARD: MIN. DEPTH OF REAR YARD: MIN. WIDTH OF EACH SIDE YARD:

MAX. BUILDING AREA AS % OF GROSS LOT AREA: MAX. BUILDING HEIGHT (FEET): MAX. BUILDING HEIGHT (STORIES):

24.732 ACRES 3.034 ACRES/4.909 ACRES 4.57 UNITS/ACRE (RESIDENTIAL) HC/LI MU-S SINGLE FAMILY DWELLING 116 **ONE-FOOT** NAD 83/NAVD 88 3.818 FEET PUBLIC 50 FEET 24 FEET ESCAMBIA COUNTY, FLORIDA ESCAMBIA COUNTY, FLORIDA 6,000 SQ. FT. 60 FEET 15 FEET 15 FEET 10 FEET OR 10% OF THE LOT WIDTH AT THE STREET RIGHT OF WAY, WHICHEVER IS LESS, BUT AT LEAST 5 FEET.

N/A N/A N/A

PLANS PREPARED BY:



25353 FRIENDSHIP ROAD, DAPHNE AL, 36526 (251) 929789

DEWBERRY PROJECT NO.: 50128595

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

ENGINEER'S STATEMENT

DBT

PROJECT DESCRIPTION:

THIS PROJECT CONSIST OF THE CONSTRUCTION OF A 116 LOT SINGLE FAMILY RESIDENTIAL SUBDIVISION IN ESCAMBIA COUNTY, FLORIDA. CONSTRUCTION ACTIVITIES SHALL INCLUDE SITE, GRADING, DRAINAGE AND UTILITY IMPROVEMENTS IN SUPPORT OF THE PROPOSED PROJECT.

I, DAVID TILLAR, ENGINEER OF RECORD FOR SANCTUARY SUBDIVISION, PHASE Z ----- PHASE 1, CERTIFY THAT ALL PROPOSED ROADWAYS, DRAINAGE, AND OTHER IMPROVEMENTS ARE DESIGNED TO COMPLY WILL ALL APPLICABLE FEDERAL, STATE, AND LOCAL DEVELOPMENT REQUIREMENTS.

> NOTE: THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND .2-PERCENT-ANNUAL-CHANCE FLOODPLAINS. NO BFEs OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES). AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0240G, MAP REVISION DATED SEPTEMBER 29, 2006.

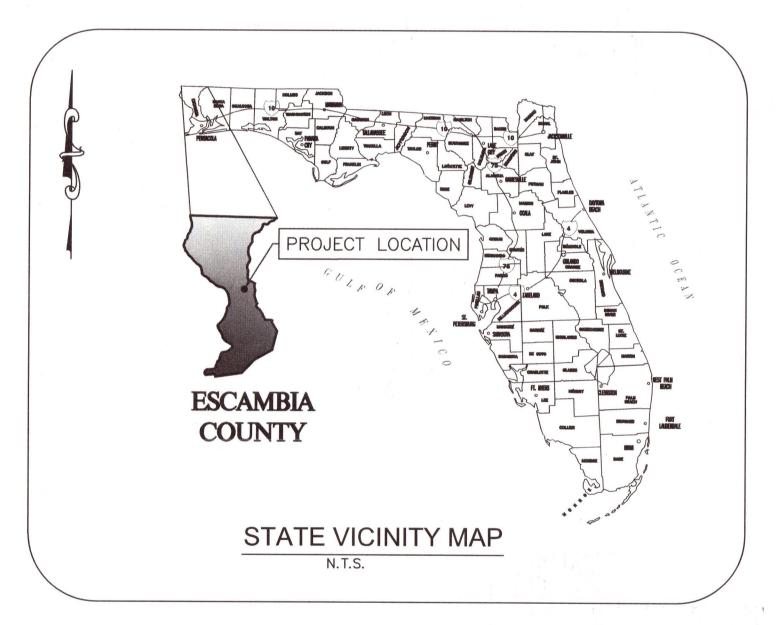
A 116 LOT SUBDIVISION IN SECTION 35, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA

DEVELOPER: DR HORTON



requirements of applicable Escambia County Regulations and Ordinances and does not in any way relieve the submitting Architect, Engineer, Surveyor, or other signatory from responsibility of details as drawn.

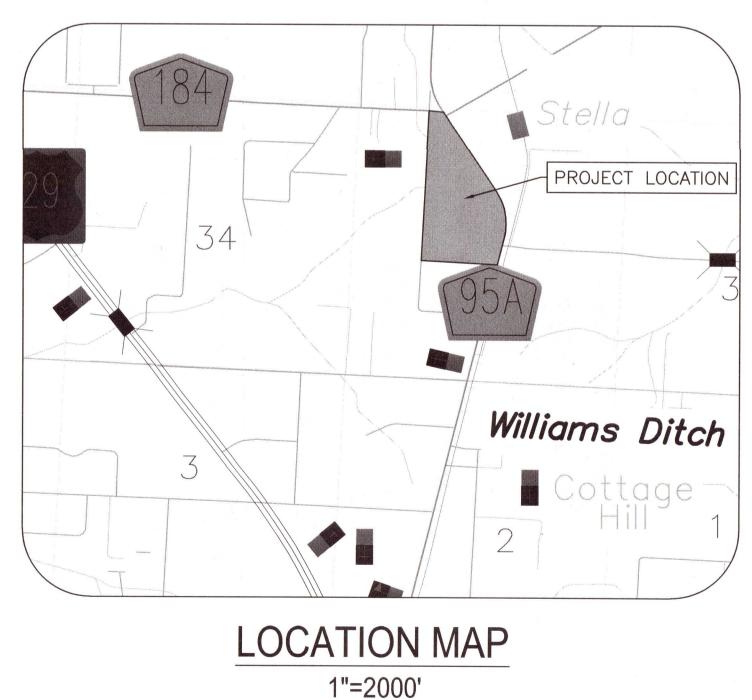
DRAINAGE FEE This Fee is combined Fee for phase Itz Imperv. Surf. 281,783 Sq ft Stormwater Ret. 0.82 % (F) Total Drainage Fee \$11,553.10 Pond Maint. Fee: PUBLIC



DESCRIPTION:

COMMENCE AT THE SOUTHEAST CORNER OF THE NORTH HALF OF SECTION 35, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND RUN THENCE NORTH 87'22'02" WEST. ALONG THE SOUTH LINE OF THE NORTH HALF OF SAID SECTION 35, A DISTANCE OF 2422.59 FEET TO THE WEST RIGHT-OF-WAY OF COUNTY ROAD 95A TO THE POINT OF BEGINNING: THENCE RUN ALONG SAID WEST RIGHT-OF-WAY OF COUNTY ROAD 95A THE FOLLOWING FIVE (5) COURSES: (1) NORTH 25'55'40" EAST, A DISTANCE OF 14.90 FEET; (2) NORTH 12'34'33" EAST, A DISTANCE OF 100.04 FEET; (3) NORTH 14"17'39" EAST, A DISTANCE OF 99.50 FEET; (4) ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 1,111.68 FEET, AN ARC LENGTH OF 931.64 FEET (CHORD BEARS NORTH 09°42'51" WEST, A DISTANCE OF 904.62 FEET): (5) NORTH 33'43'21" WEST, A DISTANCE OF 387.51 FEET; THENCE RUN SOUTH 64'38'44" WEST, DEPARTING SAID WEST RIGHT-OF-WAY, A DISTANCE OF 84.98 FEET; THENCE RUN NORTH 25°21'16" WEST, A DISTANCE OF 50.00 FEET THENCE RUN SOUTH 64'38'44" WEST, A DISTANCE OF 99.54 FEET; THENCE RUN NORTH 80'38'43" WEST. A DISTANCE OF 137.75 FEET; THENCE RUN ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 325.00 FEET, AN ARC LENGTH OF 254.26 FEET (CHORD BEARS SOUTH 76°56'34" WEST, A DISTANCE OF 247.82 FEET); THENCE RUN SOUTH 54°31'50" WEST, A DISTANCE OF 299.27 FEET; THENCE RUN SOUTH 10°44'39" WEST, A DISTANCE OF 115.83 FEET; THENCE RUN SOUTH 80°18'06" EAST, A DISTANCE OF 127.14 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 194.11 FEET; THENCE RUN SOUTH 81"18'24" EAST, A DISTANCE OF 50.29 FEET; THENCE RUN SOUTH 87"26'03" EAST, A DISTANCE OF 135.00 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 365.00 FEET; THENCE RUN SOUTH 87°26'03" EAST, A DISTANCE OF 125.00 FEET; THENCE RUN SOUTH 85°24'18" EAST, A DISTANCE OF 50.03 FEET: THENCE RUN SOUTH 87°26'03" EAST, A DISTANCE OF 135.00 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 200.00 FEET; THENCE RUN SOUTH 87'26'03" EAST, A DISTANCE OF 125.00 FEET; THENCE RUN NORTH 88'45'05" EAST, A DISTANCE OF 50.11 FEET; THENCE RUN SOUTH 87°22'02" EAST, A DISTANCE OF 135.00 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 110.00 FEET; THENCE RUN NORTH 87'22'02" WEST, A DISTANCE OF 10.00 FEET; THENCE RUN SOUTH 02°33'57" WEST, A DISTANCE OF 125.00 FEET; TO THE POINT OF BEGINNING.

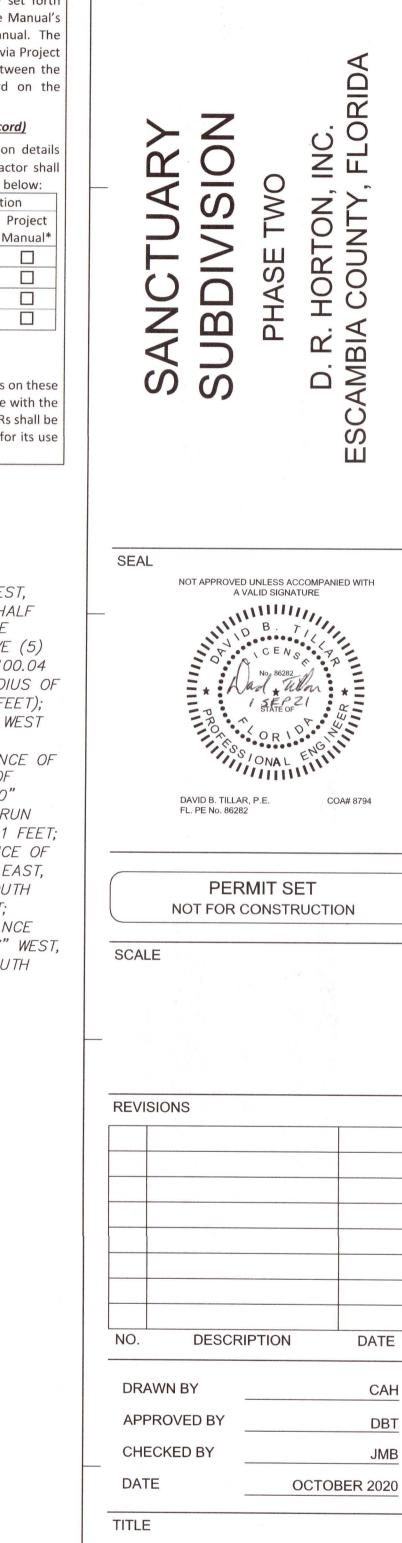
TRACT CONTAINS 24.40 ACRES, MORE OR LESS, AND LIES IN SECTION 35, TOWNSHIP 2 NORTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA.



PERMIT SET - NOT FOR CONSTRUCTION OCTOBER 2020

Dewberry[®]

Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526



TITLE SHEET

PROJECT NO.

50128595

DBT

JMB

G100 SHEET NO.

ECUA Required Plan Notes (notes shall be inserted in the upper right corner of title sheet)

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with any liste pdates (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth nerein. It is the Contractor's responsibility to be knowledgeable of the Manual's ontractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and the Plans, Contractor shall consult Engineer of Record on the appropriate resolution

B. Additional Documents (to be completed by the Engineer of Record) Does this Project have additional technical specifications or construction details that supersede the Manual listed above? YES NO . If yes, Contractor shall construct Project in accordance with said doe

t Project in accordance with said	documents	as listed a	ind locate	d below:
	Docume	Location		
Document Name	Specifi- cation	Detail	Plans	Project Manual*
*Project Manuals used a	only with ECL	IA CIP Pro	iects	

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portion of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

INDEX OF PLANS

HEET NO.	SHEET DESCRIPTION
G100	TITLE SHEET
G101	PROJECT NOTES
G102 - G103	TYPICAL SECTIONS & DETAILS
C100 - C102	EXISTING CONDITIONS PLAN
C104	CLEARING AND SEDIMENT CONTROL PLAN
C200	OVERALL SITE PLAN
C201 - C202	SITE PLAN
C400	OVERALL GRADING PLAN
C401 - C402A	GRADING PLAN
C405 - C409	ROADWAY PLAN AND PROFILE
C410 - C411	STORM DRAINAGE PLAN AND PROFILES
C430 - C431	SWALE PLAN AND PROFILES
C438	STRUCTURE AND PIPE TABLES
C501-C502	EROSION AND SEDIMENT CONTROL PLAN
C600	OVERALL UTILITY PLAN
C601 - C602	UTILITY PLAN
C700 - C707	CONSTRUCTION DETAILS

UTILITY ADDENDUM PENSACOLA ENERGY

المستحمد مصد يصب المعد الجار فساعات بالمراجع فالانتخار فالمنتخر ألا متحاج المراجع المراجع والفارية ال

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E	 GENERAL NOTES: ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ESCAMBIA COUNTY DESIGN STANDARDS. NO CONSTRUCTION ACTIVITIES MAY COMMENCE PRIOR TO SUBMISSION OF APPROVED COPIES OF ALL REQUIRED LOCAL, STATE AND FEDERAL PERMITS TO THE ESCAMBIA COUNTY ENGINEERING OFFICE. THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT SPECIFICATION 104, THE FLORIDA STORM WATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, LATEST EDTION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE. ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION. THE CONTRACTOR. 	 TRAFFIC NOTES: UNLESS OTHERWISE SPECIFIED, ALL WORKMANSHIP A FOR ROAD AND BRIDGE CONSTRUCTION", LATEST ED ACESS TO EXISTING STREETS AND DRIVES SHALL BE SHALL BE APPROVED BY ESCAMBIA COUNTY/FDOT/F THE LIMITS OF CONSTRUCTION SHOWN ON THE PLA LAY-DOWN AND STORAGE AND TRAFFIC PATTERNS OF ALL SIGN LETTERING AND RETRO-REFLECTIVITY D TO TRAFFIC CONTROL AND STRIPING SHALL BE IN CONTEDITION. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANC THRU 102-618. ADDITIONAL PLANS AVAILABLE FOR EXISTING STREET AND ROAD NAME SIGNS ON THE F ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXIS TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIM DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE R BE REPLACED BY THE CONTRACTOR AT HIS/HER EX THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EX MARKINGS SHALL BE PLACED IN ACCORDANCE WITH CONTACT THE COUNTY ENGINEERING INSPECTOR PRIMARING
D	 IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESINCE IMMEDIATELY. ANY SANIA ROSA COUNTY REFERENCED, THE CONTRACTOR SHALL NOTITY THE ENGINEER OR DESIONEE IMMEDIATELY. ANY SANIA ROSA COUNTY HARV/GPS NETWORK MONUMENTS ARE DISTURDED OR DESINCE IMMEDIATELY. ANY SANIA ROSA COUNTY HARV/GPS NETWORK MONUMENTS ARE DISTURDED OR DESINCE THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS. ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY REQUIREMENTS. ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION REFERENCE HORDING OT THERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS. CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. REQUIREMENTS. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT: JOE BARRETT P.S.M. ESCAMBIA COUNTY SURVEYOR 3363 WEST PARK PL. PENSACOLA, FL 32505 PH (B50) 595–3427 GRADED AGGREGATE BASE SHALL BE REQUIRED WHERE THE SEASONAL HIGH GROUND WATER ENCROACHES WITHIN TWO (2) FEET OF THE BOTTOM OF SUBGRADE. ALL COMPARY EQUIPMENT OPERATED TAMPERS. TEMPORARY BENCHMARKS HAVE BEEN ESTABLISHED ON THIS PROPERTY WHICH SHOUND BE USED BY THE CONTRACTOR DURING CONSTRUCTION DESUGRADE. ALL COMPARTE BASE SHALL BE REQUIRED WHERE THE SE	 STORM WATER SYSTEM 1. ALL STORM DRAINAGE PIPE SHALL BE REINFOR SPECIFICATIONS, SECITON 449, UNLESS OTHER 2. ALL STORM DRAINAGE INLETS, JUNCTION BOXES SPECIFICATIONS, SECTION 450. 3. ALL GRATES AND COVERS SHALL BE HS-20 TH 4. PIPE LENGTHS SHOWN IN THE PLANS DO NOT WITH THE MITERED END SECTION. THEREFORE, SECTIONS SHALL BE PAID FOR IN THE UNIT CO 5. PIPE LENGTHS ARE SHOWN FROM CENTER TO 6. ALL LAYOUT COORDINATES ARE PROVIDED TO T 7. A MINIMUM ONE (1) FOOT GROUND COVER IS
C	 ALL UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES SHALL BE INSTALLED PRIOR TO CURB AND BASE CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED TESTING WITH THE SOILS ENGINEER. PAYMENT FOR TESTING WILL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY REQUIREMENTS. THE CONTRACTOR SHALL ADJUST ALL VALVE BOX AND MANHOLE CASTINGS TO MATCH FINAL SURFACE ELEVATIONS. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF FARM HILL UTILITY SPECIFICATIONS. ALL WORK WITHIN THE RIGHT-OF-WAY OR FOR OWNERSHIP BY FARM HILL SHALL BE PERFORMED BY A CERTIFIED UNDERGROUND UTILITY CONTRACTOR. CONTRACTOR SHALL FOLLOW ALL OSHA REQUIREMENTS FOR CONSTRUCTION. 	 <u>UTILITY NOTES:</u> THE LOCATION SHOWN FOR EXISTING UNDERGROUND EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH PRESERVE ALL UTILITIES. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HO SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. CONTRACTOR IS TO USE CAUTION WHEN WORKING IN UNDERGROUND UTILITIES. UTILITIES ARE TO REMAIN AND BE PROTECTED DURIN INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO
В	ALL SIDEWALKS, ASSOCIATED RAMPS AND OTHER INFRASTRUCTURE AND DRIVEWAY CONSTRUCTION SHALL MEET WITH THE LATEST REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).	 BASE AND BACKFILL MATERIALS SHALL BE EITHER OF OF EQUAL OR GREATER STRUCTURAL ADEQUACY. MAT EXCAVATION SHALL NOT BE USED FOR FILL. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSION PRIOR TO COMMENCING WORK. ALL PROPOSED UNDERGROUND UTILITIES WITHIN R/W PRIOR TO PAVING. BO STREETS OR ROADS UNDER TH JACK-AND-BORED. TO ACCOMPLISH THIS REQUIREME COMMON TRENCHING IS NOT A FEASIBLE OPTION, THI PARTICIPATING IN THE COMMON TRENCHING FOR ALL USE THE CONDUIT. THIS SHALL REQUIRE PLANNING E ROUGH GRADE RIGHT-OF-WAY MUST BE ESTABLISHED UTILITIES ARE INSTALLED AT PROPER DEPTHS. THIS N OVER ALL UTILITIES. THIS DIMENSION SHALL BE MEAS FROM TOP OF CURB IF ROAD IS IN CUT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF F MATERIAL TO ASSIST IN THE COORDINATION OF ALL OF BOUNDARY OF THE EASEMENT TO MAXIMIZE CLEAR AND
	UTILITY PROVIDER CONTACT LIST:SEWER - EMERALD COAST UTILITY AUTHORITYSUNSHINE STATE ONE-CALLMR. MIKE HAMLIN7200 LAKE ELLENOR DR STE 200P.O. BOX 15311ORLANDO, FL 32809PENSACOLA, FL 32514GULF BREEZE, FL 32561PLM (050) 0010PLM (050) 0010	 CONTRACTOR SHALL SUBMIT A MATERIALS LIST TO THE FORWARDED TO THE ENGINEER OF RECORD, OR HIS THE UTILITY OWNER'S CURRENT SPECIFICATIONS SHALL ALL UTILITY PROVIDERS SHALL USE ONLY INSTALLED THE ROADS UNDER TWO-YEAR WARRANTY.
A	PH: (850) 969-3310PH: (800) 432-4770ELECTRIC - GULF POWER MR. CHAD SWAILSNATURAL GAS - ENERGY SERVICE OF PENSACOLA MR. SHAWN HARRIS5120 DOGWOOD DRIVE MILTON, FL 32570 PH: (850) 429-2446NATURAL GAS - ENERGY SERVICE OF PENSACOLA MR. SHAWN HARRISWATER - COTTAGE HILL WATER WORKS RONNY REYNOLDSTELEPHONE - AT&T FLORIDA MR. HAL HINOTE16 WILLIAMS DITCH ROAD CANTONMENT, FL 32533 PH: (850) 968-5485TELEPHONE - AT&T FLORIDA MR. HAL HINOTE 2221 INDUSTRIAL DRIVE PH: (850) 913-3709CABLE - COX CABLE MR. TROY YOUNG 2421 EXECUTIVE PLAZA PENSACOLA, FL 32504 PH: (850) 857-4564PH: (850) 432-4770	

- AND MATERIALS SHALL CONFORM TO FDOT "STANDARD SPECIFICATIONS MAINTAINED AS MUCH AS IS POSSIBLE. ALL REQUIRED CLOSURES
- PROPERTY OWNER PRIOR TO CLOSURE. ANS SHALL BE STRICTLY OBSERVED. ALL INGRESS, EGRESS, MATERIALS ON THE SITE SHALL BE WITHIN THE LIMITS OF CONSTRUCTION.
- TO CONFORM WITH M.U.T.C.D., LATEST EDITION.
- IFORMANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST CE WITH FDOT STANDARD PLANS, LATEST EDITION, INDEX NOS. 102-600 SPECIFIC SITE CONDITIONS.
- PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF STING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE IMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR ELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL XPENSE.
- XISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL RIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS.
- RCE CONCRETE, CLASS 3, IN ACCORDANCE WITH FDOT RWISE NOTED.
- ES, GRATES/COVERS SHALL BE IN ACCORDANCE WITH FDOT
- TRAFFIC RATED, UNLESS NOTED OTHERWISE.
- INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED ALL PIPE LENGTHS ASSOCIATED WITH MITERED END COST OF THE MITERED END SECTION.
- CENTER OF STORM DRAINAGE STRUCTURES.
- THE CENTER OF STRUCTURE.
- REQUIRED FOR ALL UNDERGROUND PIPES.
- UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE MIGHT OCCUR BY HIS/HER FAILURE TO EXACTLY LOCATE AND
- HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN
- OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND
- IG CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED THE SATISFACTION OF THE UTILITY OWNERS.
- THE SAME TYPE AND COMPOSITION AS THE MATERIALS REMOVED. OR ATERIALS CONTAMINATED WITH DELETERIOUS SUBSTANCES DURING
- ONS AND REPORT ANY DISCREPANCIES (INCLUDING FIELD STAKE OUT)
- W'S OR UTILITY CONDUIT FOR ROAD CROSSINGS SHALL BE INSTALLED THE TWO (2) YEAR WARRANTY WILL BE ALLOWED TO BE OPEN-CUT, OR ENT. COMMON TRENCHING IS REQUIRED WHENEVER POSSIBLE, IF E DEVELOPER SHALL INSTALL CONDUIT FOR THE UTILITY NOT ROAD CROSSINGS AND THE UTILITY COMPANY WILL BE REQUIRED TO
- BETWEEN THE DEVELOPER AND THE UTILITY. D PRIOR TO COMMON TRENCH UTILITY INSTALLATION TO ENSURE NOTE SHOULD ALSO INDICATE A MINIMUM 30" OF COVER IS REQUIRED SURED FROM PROPOSED GRADE IS ROAD IS IN FILL AND MEASURED
- RECORD AT LEAST TWO WEEKS PRIOR TO PLACEMENT OF BASE OTHER UNDERGROUND UTILITIES.
- WITHIN DRAINAGE ACCESS EASEMENTS SHALL BE LOCATED ALONG THE ACCESS FOR MAINTENANCE EQUIPMENT.
- HE UTILITY OWNER FOR APPROVAL. SAID APPROVAL SHALL BE REPRESENTATIVE.
- ALL SUPERSEDE ANY DETAILS SHOWN HEREIN.
- CONDUITS. NO OPEN CUTS OR BORINGS SHALL BE ALLOWED UNDER

- WATER SYSTEM NOTES
- MAINS SHALL HAVE A MINIMUM OF 30" COVER WITH 36" MAXIMUM COVER UNLESS APPROVED BY ENGINEER. ALL VALVES AND MATERIALS SHALL COMPLY WITH AWWA (AMERICAN WATER WORKS ASSOCIATION) STANDARDS, LATEST EDITION.
- VALVES SHALL BE RESILIENT SEATED GATE VALVES AS SPECIFIED ON PLANS. 3. CONTRACTOR IS TO FURNISH "AS BUILT PLANS" INDICATING LOCATIONS OF ALL FITTINGS, VALVES, AND DEAD END RUNS WITH
- THREE (3) PHYSICAL FEATURES (LOT CORNERS, TREES, ETC.). THIS IS MANDATORY, NO EXCEPTIONS. ALL MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651. PRESSURE TESTING SHALL BE IN ACCORDANCE WITH
- AWWA C600. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ENGINEER 48 HOURS PRIOR TO PRESSURE TESTING, DISAFFECTION AND BACTERIOLOGICAL TESTING. PRESSURE TESTING SHALL BE VALVE TO VALVE. CONTRACTOR SHALL TAP THE WATER MAIN WITH A 1" TAPPING SADDLE AT LOCATIONS DETERMINED BY THE ENGINEER.
- BACTERIOLOGICAL TEST SHALL BE PERFORMED WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION FROM LOCATIONS WITHIN THE DISTRIBUTION SYSTEM IN ACCORDANCE WITH RULES 62-555.540 (2)(L), 62-555.345 AND 62-555.330, F.A.C AND AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARD C 651-92 AS FOLLOWS:
- CONNECTION POINT TO AN EXISTING SYSTEM AND THE ENDPOINT OF THE PROPOSED ADDITION:
- ANY WATER LINES BRANCHING OFF A MAIN EXTENSION;
- EVERY 1,200 FEET ON STRAIGHT RUN OF PIPE;
- EACH LOCATION SHALL BE SAMPLED ON TWO CONSECUTIVE DAYS WITH SAMPLE POINTS AND CHLORINE RESIDUAL READING CLEARLY INDICATED ON THE REPORT.
- 10. CONTRACTOR WILL BE RESPONSIBLE FOR ALL FITTINGS, TAPS, EQUIPMENT AS REQUIRED FOR FLUSHING SYSTEM, PRESSURE TESTING, DISINFECTION AND BACTERIOLOGICAL TESTING.
- 11. ALL VALVE BOXES SHALL BE INSTALLED PER DETAIL SHOWN. PRE-CAST VALVE PADS SHALL NOT BE USED. 12. WHERE AN 18" MIN. CLEARANCE BETWEEN PVC/DI PIPE AND OTHER PIPE CANNOT BE ACHIEVED, THE PIPE SHALL BE CONCRETE ENCASED WITH 6" THICKNESS AROUND THE PIPE AND 6 FT. CLEARANCE EACH WAY. FOR DUCTILE IRON, THE
- 13. ALL CONSTRUCTION AREAS NEAR WETLANDS ARE TO BE MONITORED CLOSELY FOR EROSION, AND TAKE ALL NECESSARY STEPS TO PREVENT THE TRANSPORT OF SEDIMENT DUE TO CONSTRUCTION ACITIVITIES. SILT FENCE AND HAY BALES SHALL BE USED IN THESE AREAS. CONTRACTOR SHALL FOLLOW ALL THE PERMIT REQUIREMENTS WHICH ARE INCLUDED IN THE SPECIFICATIONS.
- 14. THE CONTRACTOR SHALL USE RESTRAINED JOINT FITTINGS AND PIPE AT ALL BENDS, TEES, VALVES, AND TRANSITIONS.
- 15. THE CONTRACTOR SHALL INSTALL WARNING TAPE 1' BELOW GROUND SURFACE OVER THE TOP OF ALL PIPE. THE WARNING TAPE SHALL BE INSTALLED AT THE SAME TIME THE PIPE IS INSTALLED.
- 16. INSULATED 12 GA. LOCATING WIRE SHALL BE INSTALLED ON TOP OF ALL NON-METALLIC PIPE.

PIPE SHALL BE WRAPPED WITH PLASTIC SHEETING AND SEALED BEFORE CONCRETE PLACEMENT.

- 17. ALL PIPE SHALL BE INSTALLED IN DRY CONDITIONS. WELL POINTING MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER.
- 18. THE FLUSHING VELOCITY SHALL BE A MINIMUM OF 2.5 FEET PER SECOND FOR 1.5 TIMES THE PIPE VOLUME. THE OWNER WILL PAY FOR THE FIRST FLUSH AND PRESSURE TEST WATER. THE CONTRACTOR WILL PAY FOR ANY WATER FOR ADDITIONAL REPAIRS, FLUSHING AND TESTING. THE ENTIRE ROUTE SHALL BE LAID OUT BY A PROFESSIONAL SURVEYOR AND MAPPER (PSM). THE AS-BUILTS FOR THIS PROJECT SHALL ALSO BE VERIFIED BY A PSM WHICH SHALL INCLUDE ALL TIE-IN LOCATIONS, VALVES, FIRE HYDRANTS AND OTHER APPURTENANCES. CONTRACTOR SHALL PROVIDE THE AS-BUILTS IN STATE PLANE COORDINATES BY HARD COPY (SIGNED AND SEALED) AND DIGITAL COPY.
- 19. A ONE FOOT STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT OVERLAY AREAS, BLOW OFF ASSEMBLIES, VALVE PADS, AIR RELEASE BOXES AND FIRE HYDRANTS.
- 20. CONTRACTOR SHALL PROVIDE AS-BUILTS OF ALL DIRECTIONAL BORES AND SHALL INCLUDE DEPTHS EVERY 10' HORIZONTALLY. 21. CONTRACTOR SHALL PROVIDE ALL TEMPORARY PIPING, VALVES AND APPURTENANCES AS NECESSARY FOR FLUSHING WATER
- 22. CONTRACTOR SHALL COORDINATE WITH GULF POWER WHEN NEEDED TO SUPPORT EXISTING POWER POLES AT NO COST TO THE OWNER.
- 23. CONTRACTOR SHALL PROVIDE VALVE BOXES FOR ALL VALVES WITH THE EXCEPTION OF THE VALVES TO BE PERMANENTLY CLOSED. HOWEVER, CONTRACTOR SHALL PROVIDE TEMPORARY PVC RISERS UNTIL ALL TIE-INS HAVE BEEN MADE AND THE NEW LINES HAVE BEEN PLACED INTO SERVICE.
- 24. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL TIE-INS AND MANAGEMENT OF EXCESS WATER. CONTRACTOR MAY USE LINE STOPS AT TIE-IN LOCATIONS AT NO ADDITIONAL COST TO THE OWNER.
- 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY ABOVE GRADE FLUSHING ASSEMBLIES IF NEEDED. ALL TEMPORARY FLUSHING ASSEMBLIES MAY NOT BE SHOWN ON THE PLANS. ALL COSTS ASSOCIATED WITH FLUSHING SHALL BE BORNE BY THE CONTRACTOR.
- 26. THE CONTRACTOR SHALL HAVE A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA CERTIFY THE ELEVATIONS OF ALL PIPE AT SPECIFIED LOCATIONS ON THE PLANS TO CONFIRM THE PROPER ELEVATIONS.
- 27. AT LOCATIONS WHERE ASPHALT IS TO BE REMOVED BUT NOT REPLACED, THE CONTRACTOR SHALL INSTALL 6" OF LIMEROCK FOR TEMPORARY STABILIZATION.
- 28. FLUSHING TIME SHALL BE AT LEAST THAT AMOUNT OF TIME NEEDED TO FLUSH 2X PIPE VOLUME AFTER 3 FPS VELOCITY IS REACHED OR UNTIL CLEAR, WHICHEVER IS LONGER MAXIMUM LENGTH OF PIPE BETWEEN FLUSHING ASSEMBLIES SHALL BE
- 29. ALL PIPES SHALL BE C-900 OR C-905 P.V.C. UNLESS OTHERWISE NOTED OR REQUIRED. FITTINGS SHALL BE DUCTILE
- 30. THRUST BLOCKS SHALL BE SIZED TO RESIST HYDRAULIC TEST PRESSURES AGAINST UNDISTURBED SOILS (150 P.S.I.).
- 31. FIRE HYDRANTS SHALL BE INSTALLED ON OR NEAR PROPERTY CORNERS.

MAINS TO ABOVE GRADE AT A VELOCITY OF 2.5 FT/SEC.

ESCAMBIA COUNTY NOTES:

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

ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.

NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM BOTH THE DESIGN ENGINEER AND ESCAMBIA COUNTY. ANY DEVIATIONS MAY RESULT IN DELAYS IN COUNTY ACCEPTANCE OF IMPORVEMENTS.

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

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

6. ALL DISTURBED AREAS WHICH ARE NOT SODDED OR PAVED SHALL BE STABILIZED WITH SEEDING, FERTILIZER AND MULCH, AND/OR HYDROSEED. SEEDED AREAS SHALL INCLUDE A BAHIA MIX TO ENSURE CONTINUED GROWTH AFTER WINTER MONTHS, SEED IN ACCORDANCE WITH FDOT SECTION 570 AND STANDARD INDEX 105.

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

8. DEVELOPER/CONTRACTOR/HOME OWNERS ASSOCIATION SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND AT THE END OF THE 2 YEAR WARRANTY PERIOD.

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

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

11. PRIOR TO CONSTRUCTION, A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT(S) SHALL BE OBTAINED FOR ALL RETAINING WALL(S) HIGHER THAN 2 FEET.

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

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

14. THE CONTRACTOR SHALL NOTIFY FDOT 48 HOURS IN ADVANCE PRIOR TO INITIATING ANY WORK IN THE STATE RIGHTS-OF-WAY. 15. CONSTRUCTION PLAN APPROVAL IS REQUIRED TO DOCUMENT THE DESIGN OF INFRASTRUCTURE TO ADEQUATELY SERVE THE CREATED LOTS. THE APPROVAL ALLOWS THE CONSTRUCTION OF THE SUBDIVISION INFRASTRUCTURE AREAS ONLY AS DESIGNATED TO PROCEED, BUT IT DOES NOT ALLOW DEVELOPMENT ON THE INDIVIDUAL SUBDIVISION LOTS. NEITHER PLAT NOR

PLAN ALLOW ACTIVITIES AND DEVELOPMENT ON THE INDIVIDUAL SUBDIVISION LOTS AS BUILDING PERMITS FOR THE DWELLINGS WILL BE REQUIRED FOR THESE ACTIVITIES ON INDIVIDUAL LOTS IN THE FUTURE.

EROSION NOTES:

CONTRACTOR SHALL PHASE CONSTRUCTION AS TO MINIMIZE THE SIZE OF EXPOSED SOIL AREAS AND THE TIME BETWEEN EXPOSING THE SOIL AREA AND FINISHING THE SOIL AREA.

THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES, SILT FENCE, TURBIDITY BARRIER, OR AS SPECIFIED IN THE CONSTRUCTION DRAWINGS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND WETLAND OR JURISDICTIONAL AREAS. IF, IN THE OPINION OF THE ENGINEER, AND/OR REGULATORY AUTHORITIES, EXCESSIVE QUANTITIES OF MATERIAL ARE TRANSPORTED OFF-SITE BY EROSION OR STORM WATER RUNOFF, THE CONTRACTOR SHALL IMPROVE CONDITIONS TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES AT NO ADDITIONAL COST TO THE OWNER. IN NO CASE SHALL CONSTRUCTION COMMENCE PRIOR TO INSTALLATION OF EROSION CONTROL/SEDIMENTATION BARRIER.

CONTRACTOR SHALL CONSTRUCT A CONSTRUCTION ENTRANCE AT ALL LOCATIONS TO BE USED FOR CONSTRUCTION RELATED TRAFFIC TO ENTER AND EXIT THE SITE.

IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AREA USING SPRINKLING IRRIGATION OR OTHER ACCEPTABLE METHODS AS APPROVED BY THE ENGINEER ...

THE CONTRACTOR SHALL USE THE BEST POSSIBLE APPROPRIATE METHOD TO PROVIDE EROSION CONTROL FOR EACH LOT DURING CONSTRUCTION OF THE HOMES.

6. SILT FENCE BARRIER SHALL BE INSTALLED AT ALL TOE OF SLOPES WHICH WILL RESULT IN STORMWATER FLOWING OFF OF THE PROJECT SITE.

7. SOD ALL SLOPES 3:1 OR STEEPER.

SYSTEMS SHALL BE SILT-SAVER, INC. OR EQUAL APPROVED BY THE ENGINEER. 9. ALL DISTURBED AREAS NOT SPECIFICALLY SHOWN TO BE SODDED SHALL BE SEEDED AND MULCHED. THE GRASS SEED SHALL BE 20 PARTS BERMUDA AND 80 PARTS PENSACOLA BAHIA. APPLICATION RATES SHALL BE 100 POUNDS PER ACRE. IF CONSTRUCTION OCCURS DURING THE MONTHS OF OCTOBER THROUGH JANUARY, SEEDING SHALL BE 50 PARTS WINTER RYE AND 50 PARTS PENSACOLA BAHIA AT 100 POUNDS PER ACRE. SEEDED AREAS SHALL BE FERTILIZED WITH 8-8-8 NPK DRY FERTILIZER AT THE RATE OF 800 POUNDS PER ACRE.

10. ALL AREAS TO BE SEEDED AND MULCHED SHALL BE PLATED WITH A MINIMUM OF TWO INCHES OF TOPSOIL PRIOR TO SEEDING. 11. ALL EROSION CONTROL STRUCTURES SHALL BE IN PLACE BEFORE DEMOLITION BEGINS.

12. ON SITES > 1 ACRE, IF > 1 CONTIGUOUS ACRE IS CLEARED, A GROUND COVER SUFFICIENT TO PREVENT EROSION SHOULD BE PLANTED OR OTHERWISE STABILIZED WITHIN 10 WORKING DAYS ON THAT PORTION OF THE SITE UPON WHICH FURTHER ACTIVE CONSTRUCTION WILL NOT BE UNDERTAKEN WITHIN 90 DAYS.

13. TO COMPLY WITH NPDES REQUIREMENTS, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH 3" RAINFALL EVENT OR AT LEAST WEEKLY. THE CONTRACTOR SHALL DOCUMENT SUCH INSPECTIONS AND EROSION CONTROL MAINTENANCE EFFORTS: INSPECTION RECORDS SHALL BE PROVIDED TO THE NPDES PERMIT APPLICANT FOR PROPER REPORTING TO FDEP/NWFWMD.

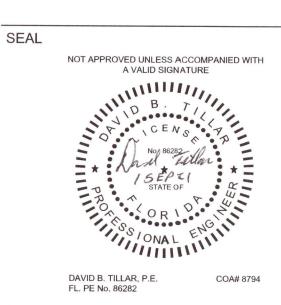
14. A HEALTHY GROWTH OF GRASS WITHIN DISTURBED RIGHT-OF-WAY AREAS IS REQUIRED PRIOR TO COUNTY APPROVAL/ACCEPTANCE. IF TIME CONSTRAINTS EXIST DURING THE FINAL PLAT APPROVAL AND ACCEPTANCE PROCESS, A MINIMUM OF TWO STRIPS OF SOD (MINIMUM 2' WIDE) BEHIND THE BACK OF CURB WITH ALL OTHER DISTURBED AREAS SEEDED/MULCHED/FERTILIZED WILL BE ACCEPTABLE.

15. SAG FILTERS IN CURB THROATS ARE NOT AN ALLOWABLE SEDIMENT CONTROL METHOD.



Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526

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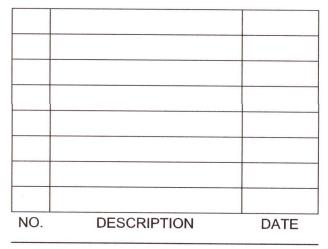




SCALE



REVISIONS



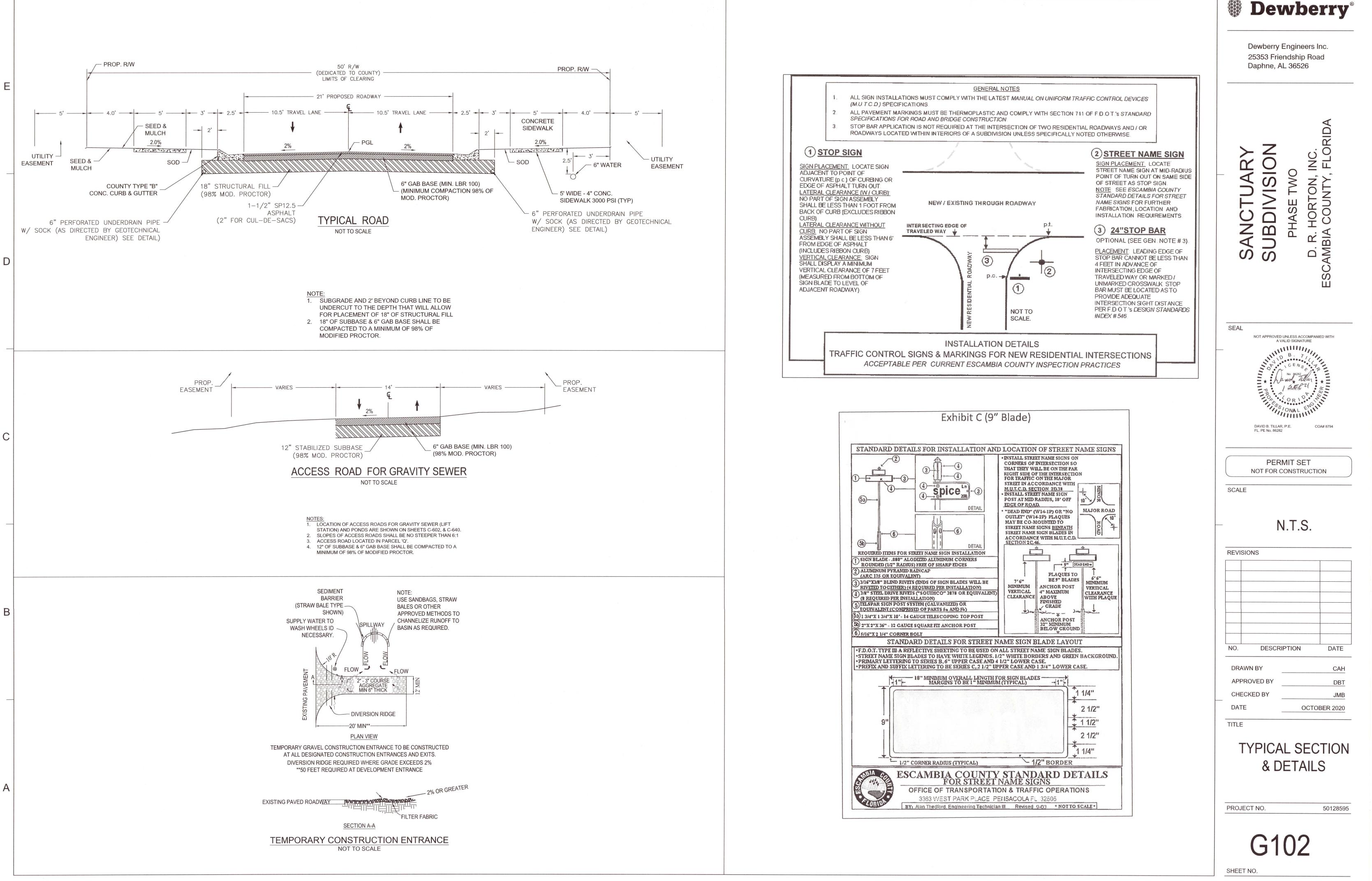
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APPROVED BY	DBT
CHECKED BY	JMB
DATE	OCTOBER 2020

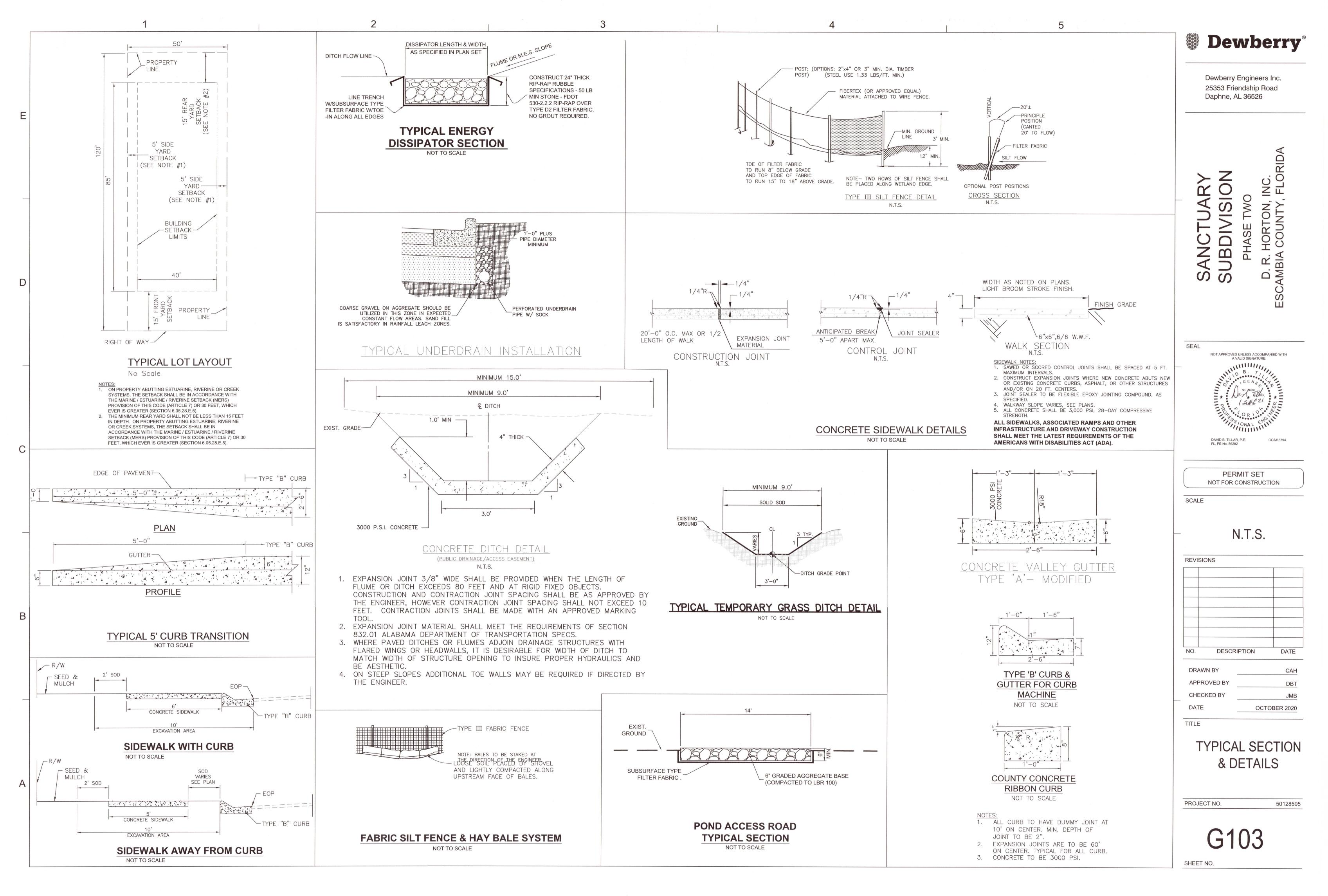
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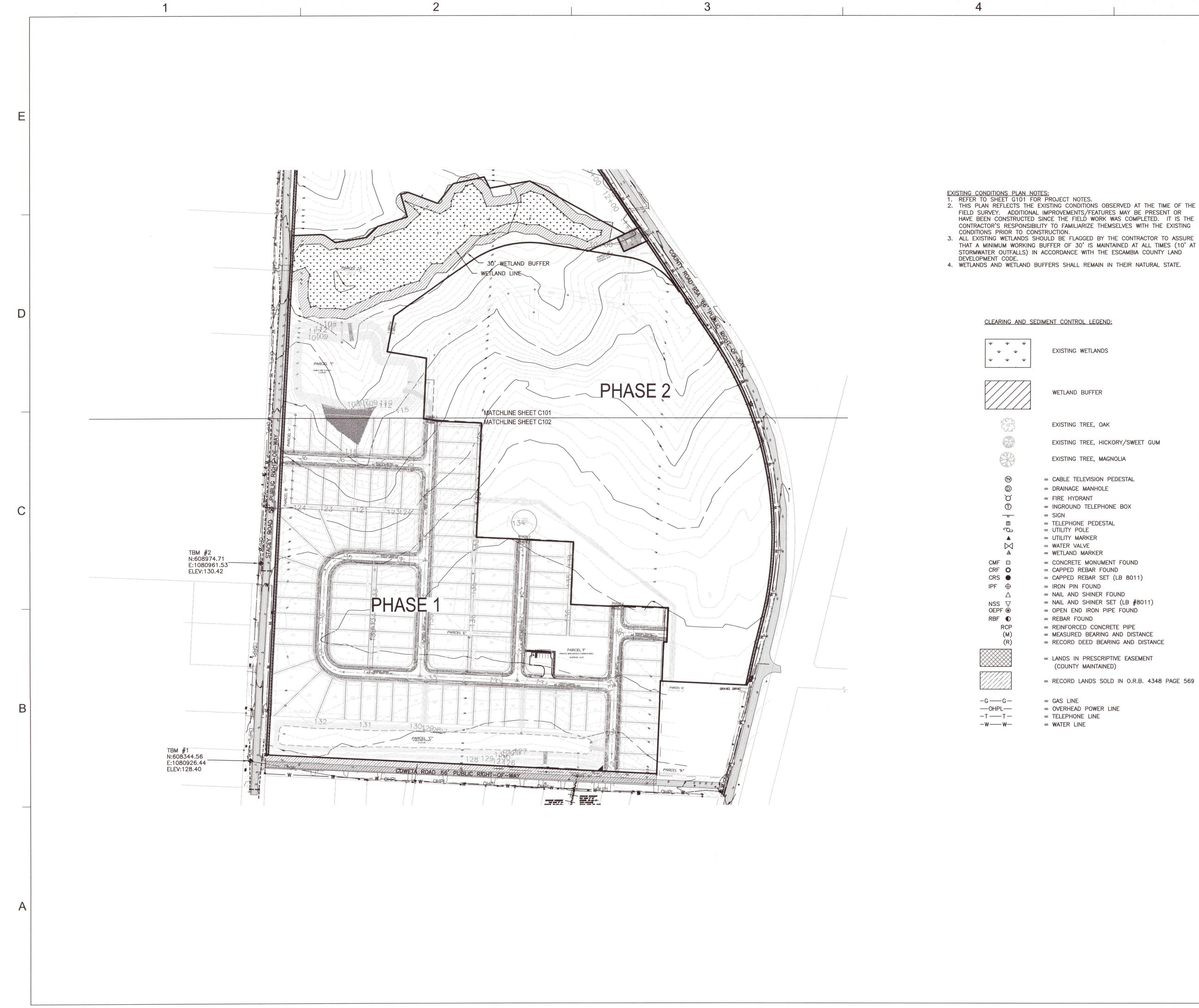
PROJECT NOTES

PROJECT NO.

SHEET NO.







3

5

Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526

FIELD SURVEY. ADDITIONAL IMPROVEMENTS/FEATURES MAY BE PRESENT OR HAVE BEEN CONSTRUCTED SINCE THE FIELD WORK WAS COMPLETED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION. 3. ALL EXISTING WETLANDS SHOULD BE FLAGGED BY THE CONTRACTOR TO ASSURE THAT A MINIMUM WORKING BUFFER OF 30' IS MAINTAINED AT ALL TIMES (10' AT STORMWATER OUTFALLS) IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND

EXISTING WETLANDS

WETLAND BUFFER

EXISTING TREE, OAK

EXISTING TREE, HICKORY/SWEET GUM

EXISTING TREE, MAGNOLIA

= CABLE TELEVISION PEDESTAL = DRAINAGE MANHOLE = FIRE HYDRANT

= TELEPHONE PEDESTAL = UTILITY POLE = UTILITY MARKER = WATER VALVE = WETLAND MARKER = CONCRETE MONUMENT FOUND = CAPPED REBAR FOUND = CAPPED REBAR SET (LB 8011) = IRON PIN FOUND = NAIL AND SHINER FOUND = NAIL AND SHINER SET (LB #8011) = OPEN END IRON PIPE FOUND = REBAR FOUND = REINFORCED CONCRETE PIPE

= MEASURED BEARING AND DISTANCE = RECORD DEED BEARING AND DISTANCE

= LANDS IN PRESCRIPTIVE EASEMENT (COUNTY MAINTAINED)

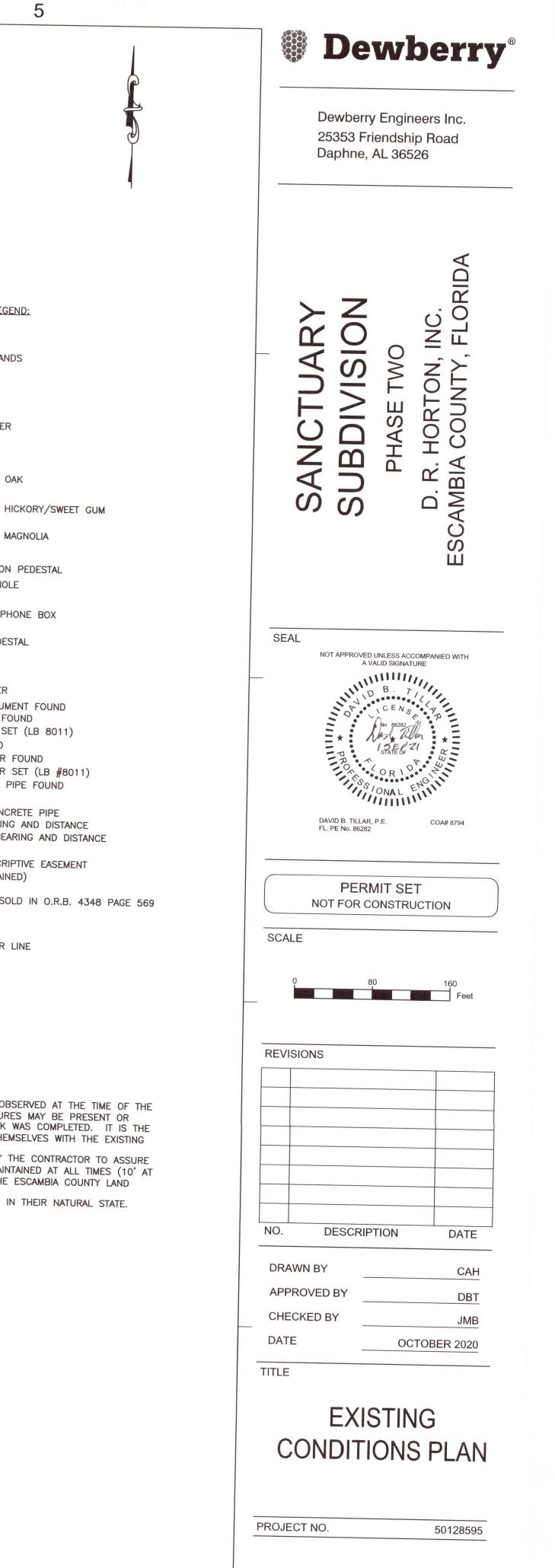
= RECORD LANDS SOLD IN O.R.B. 4348 PAGE 569

= OVERHEAD POWER LINE = TELEPHONE LINE

RD Ζ С SIO L Y 4 TNUC SANCT S Ω D. R. AMBI/ ESC/ SEAL NOT APPROVED UNLESS ACCOMPANIED WITH A VALID SIGNATURE 1111111 III ONAL DAVID B. TILLAR, P.E. FL. PE No. 86282 COA# 8794 PERMIT SET NOT FOR CONSTRUCTION SCALE REVISIONS NO. DESCRIPTION DATE -----DRAWN BY CAH APPROVED BY DBT CHECKED BY JMB DATE OCTOBER 2020 TITLE EXISTING CONDITIONS PLAN OVERALL PROJECT NO. 50128595 C100

SHEET NO.

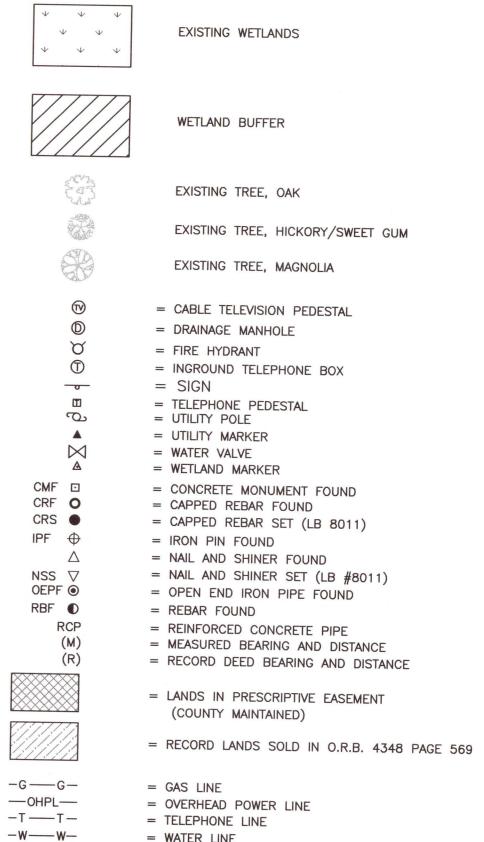




C101

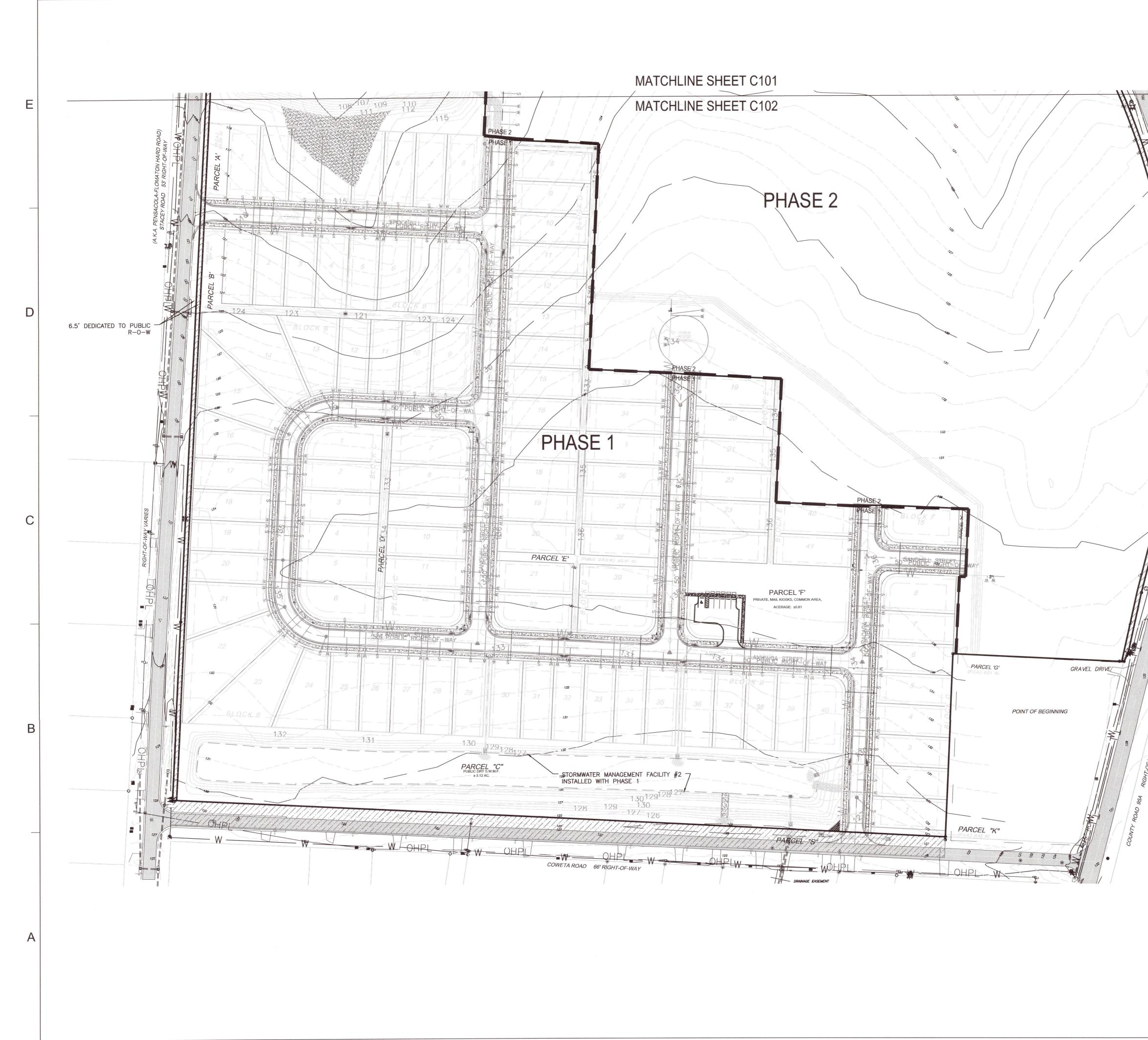
SHEET NO.

CLEARING AND SEDIMENT CONTROL LEGEND:



= WATER LINE

- EXISTING CONDITIONS PLAN NOTES: 1. REFER TO SHEET G101 FOR PROJECT NOTES. 2. THIS PLAN REFLECTS THE EXISTING CONDITIONS OBSERVED AT THE TIME OF THE FIELD SURVEY. ADDITIONAL IMPROVEMENTS/FEATURES MAY BE PRESENT OR HAVE BEEN CONSTRUCTED SINCE THE FIELD WORK WAS COMPLETED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- 3. ALL EXISTING WETLANDS SHOULD BE FLAGGED BY THE CONTRACTOR TO ASSURE THAT A MINIMUM WORKING BUFFER OF 30' IS MAINTAINED AT ALL TIMES (10' AT STORMWATER OUTFALLS) IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE.
- 4. WETLANDS AND WETLAND BUFFERS SHALL REMAIN IN THEIR NATURAL STATE.

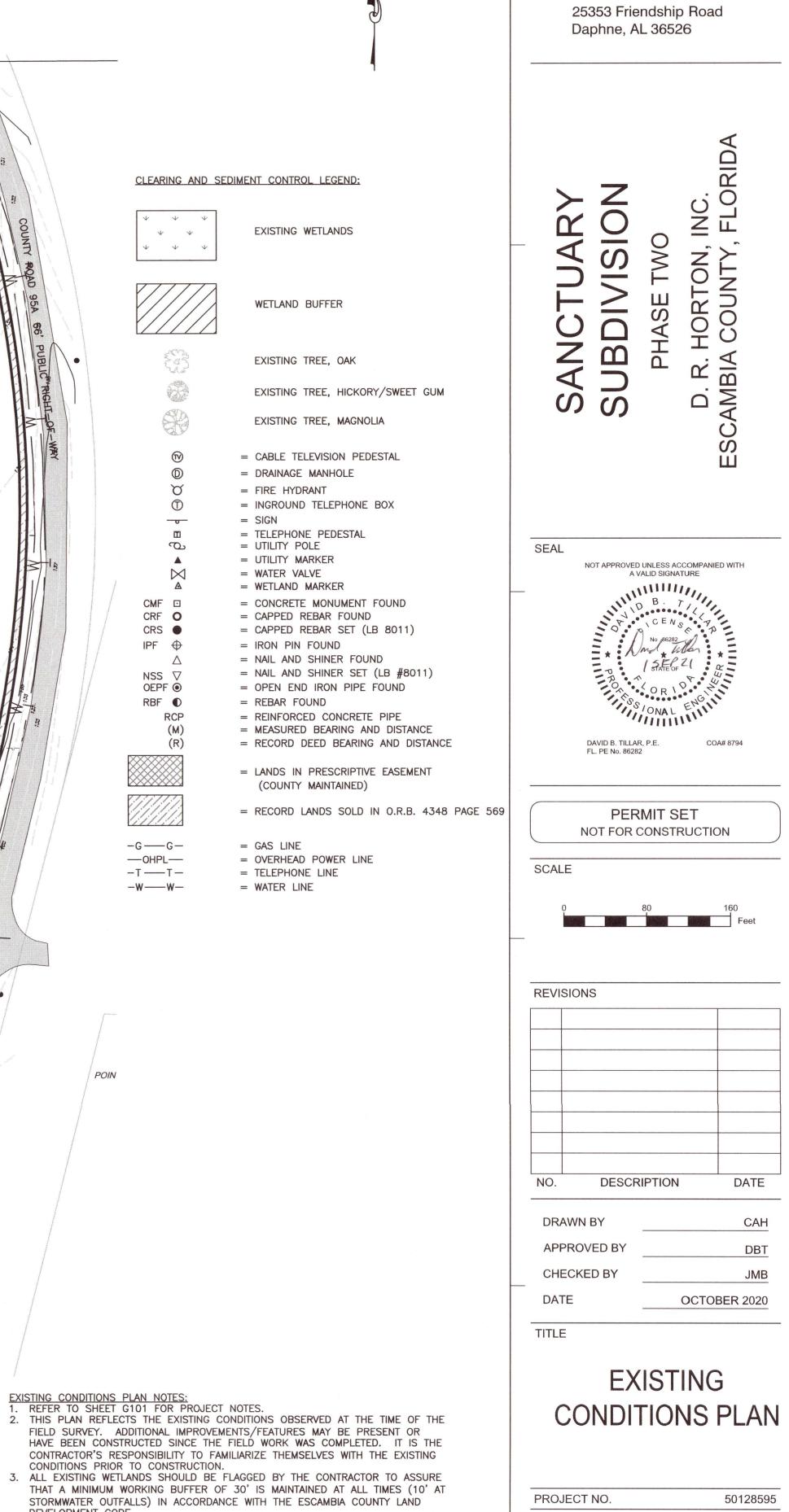


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Dewberry[®] Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526

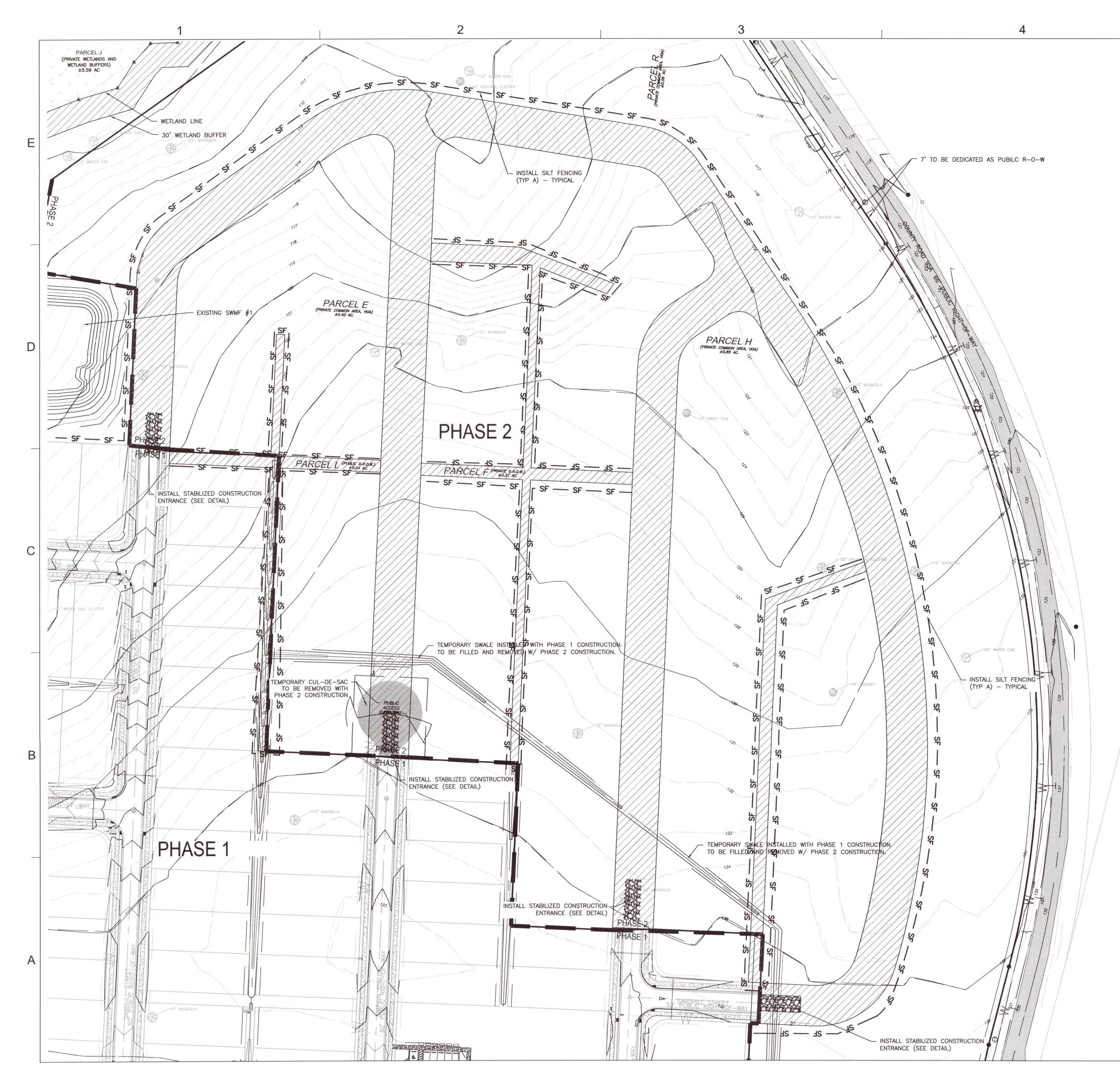
C102

SHEET NO.

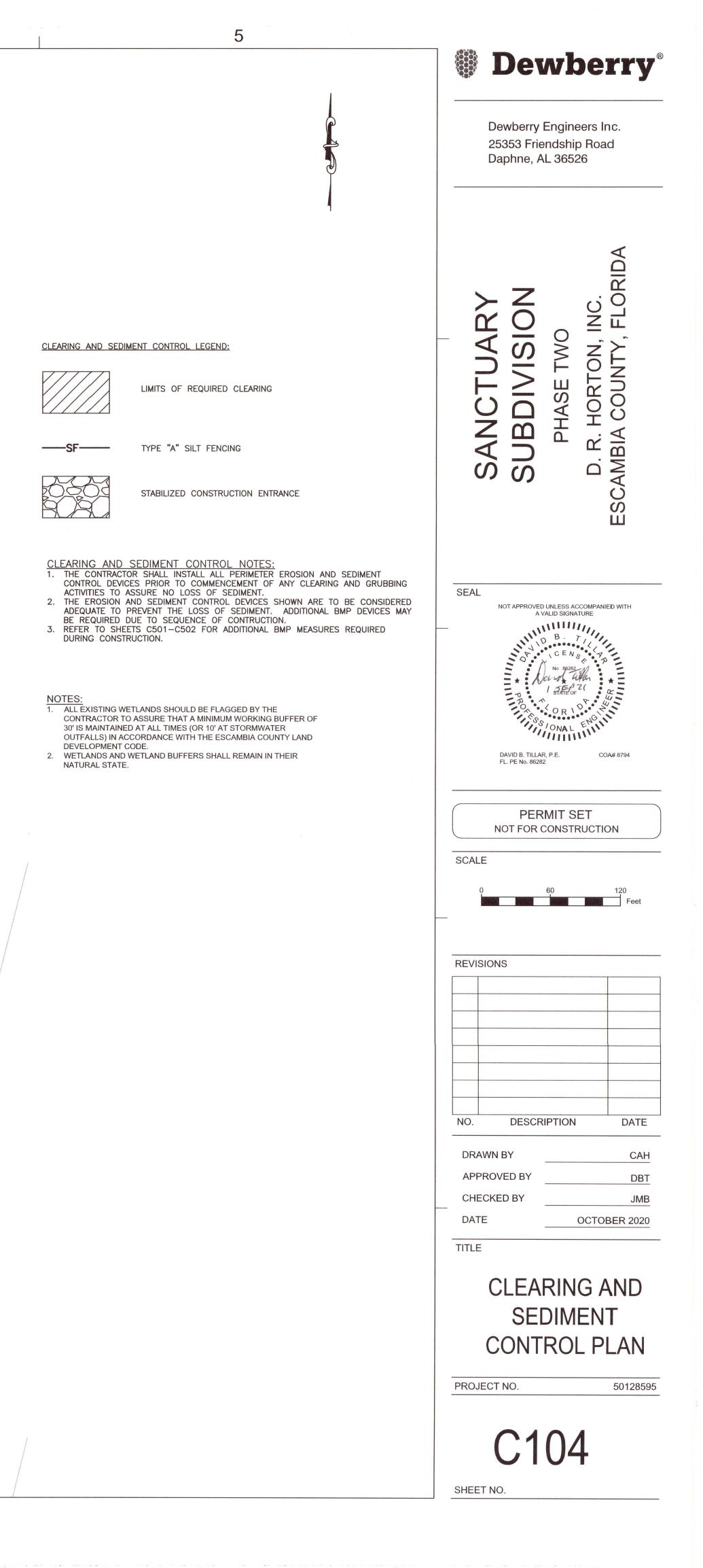


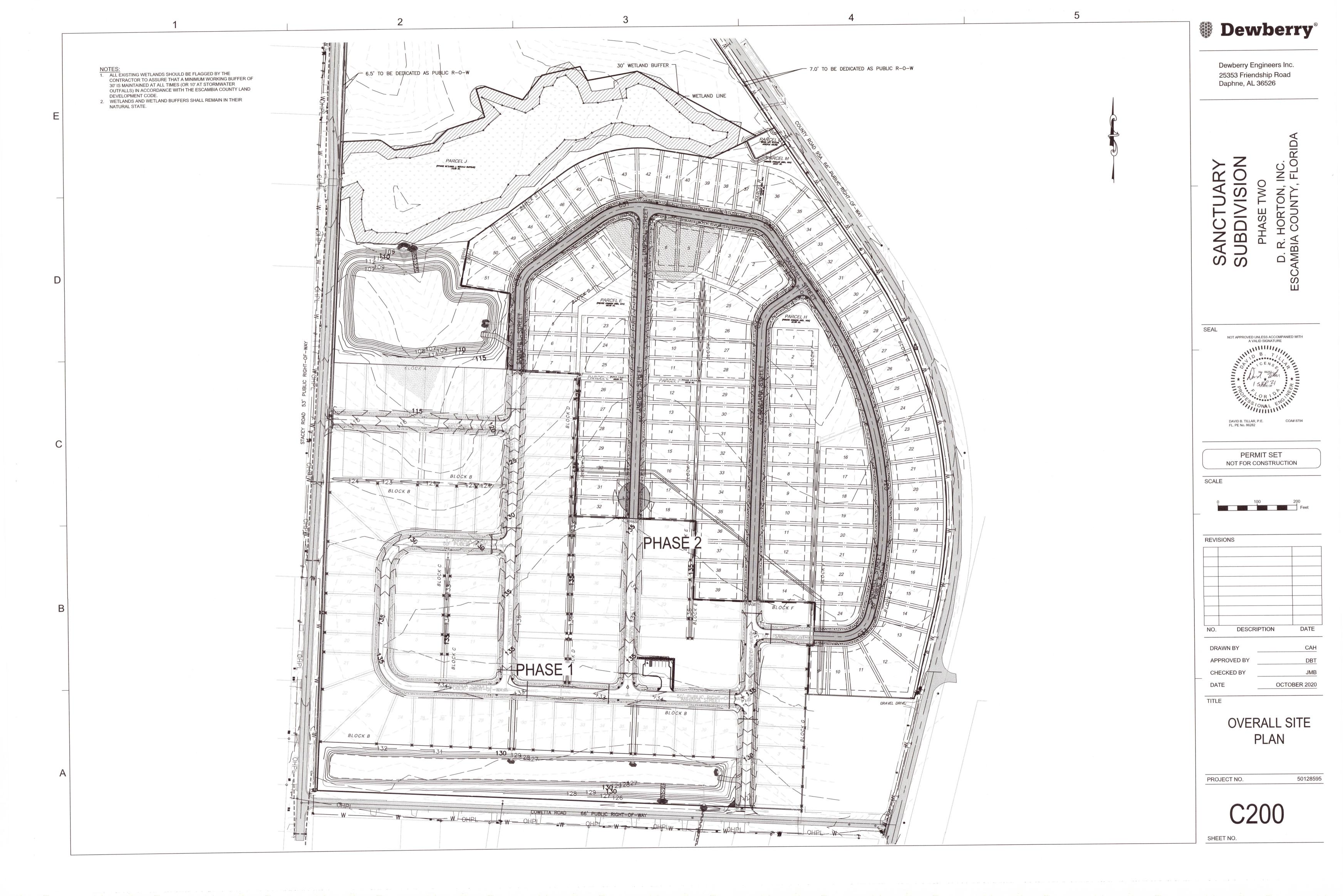
DEVELOPMENT CODE. 4. WETLANDS AND WETLAND BUFFERS SHALL REMAIN IN THEIR NATURAL STATE.

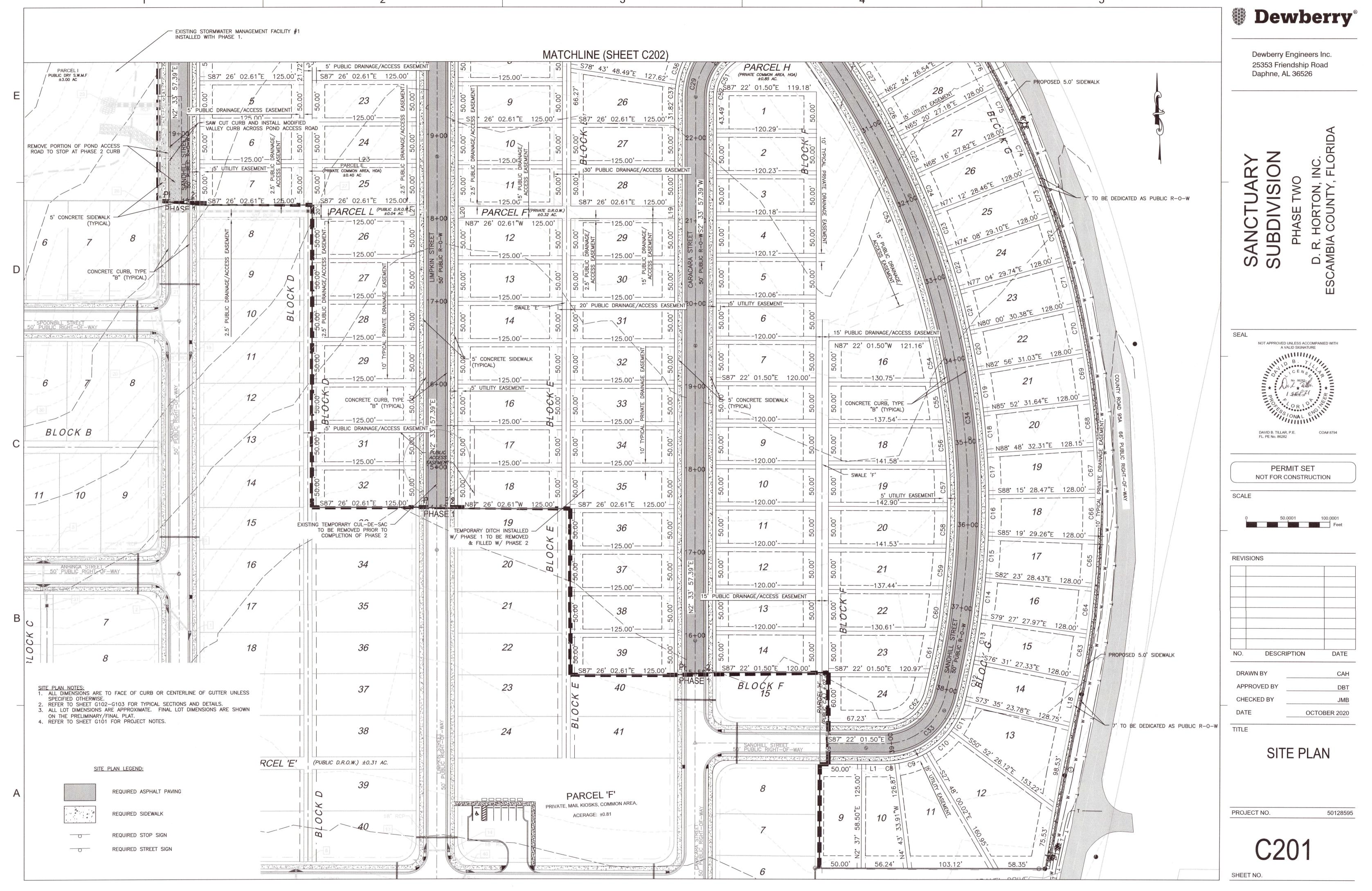
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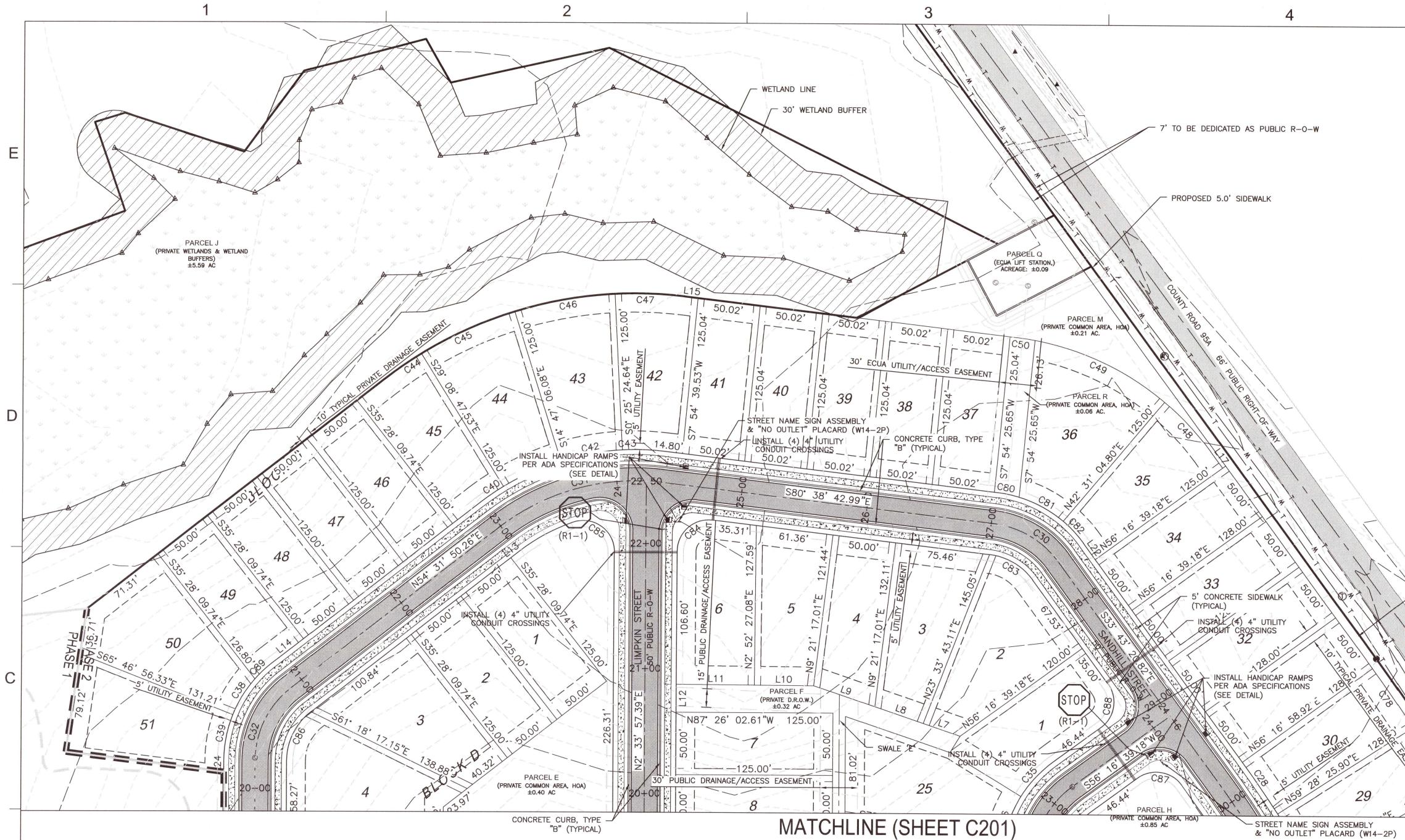


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		(Curve	Table	
Curve #	Length	Radius	Deita	Chord Direction	Chord Length
C8	12.84	100.00	7.36	N88 57 12 E	12.84
C9	40.27	100.00	23.07	N73° 44' 13"E	40.00
C10	40.27	100.00	23.07	N50° 39' 47"E	40.00
C11	40.27	100.05	23.06	N27° 35' 32"E	40.00
C12	50.34	976.68	2.95	N14 55 57 E	50.34
C13	50.01	976.68	2.93	N12°00'32"E	50.00
C14	50.01	976.68	2.93	N9° 04' 32"E	50.00
C15	50.01	976.68	2.93	N6° 08' 31"E	50.00
C16	50.00	976.68	2.93	N3° 12' 31"E	49.99
C17	50.00	976.68	2.93	N0° 16' 32"E	49.99
C18	50.01	976.68	2.93	N2° 39' 28"W	50.00
C19	50.01	976.68	2.93	N5° 35' 29"W	50.00
C20	50.01	976.68	2.93	N8° 31' 29"W	50.00
C21	50.01	976.68	2.93	N11° 27' 30"W	50.00
C22	50.01	976.68	2.93	N14° 23' 31"W	50.00
C23	50.01	976.68	2.93	N17° 19' 31"W	50.00
C24	50.01	976.68	2.93	N20° 15' 32"W	50.00
C25	50.01	976.68	2.93	N23° 11' 33"W	50.00
C26	50.01	976.68	2.93	N26° 07' 33"W	50.00
C27	50.01	976.68	2.93	N29° 03' 34"W	50.00

Curve Table						
Curve #	Length	Radius	Delta	Chord Direction	Chord Length	
C28	50.01	983.86	2.91	N31° 59' 34"W	50.00	
C35	38.68	100.00	22.16	S45° 11' 47"W	38.44	
C36	39.87	100.00	22.85	S22° 41' 33"W	39.61	
C37	15.19	100.00	8.70	S6° 55' 04"W	15.18	
C38	33.90	100.00	19.43	S33 55 51 W	33.74	
C39	37.79	100.00	21.65	S13 23 31"W	37.56	
C40	22.07	200.00	6.32	S57° 41' 31"W	22.06	
C41	50.13	200.00	14.36	S68 02' 03"W	50.00	
C42	50.13	200.00	14.36	S82° 23' 45"W	50.00	
C43	33.10	200.00	9.48	N85° 40' 57"W	33.06	
C44	35.88	243.64	8.44	S57 41' 31"W	35.85	
C45	81.46	325.00	14.36	S68°02'03"W	81.25	
C46	81.46	325.00	14.36	S82° 23' 45"W	81.25	
C47	55.47	325.00	9.78	N85° 32' 04"W	55.40	
C48	54.03	225.00	13.76	N40° 36' 08"W	53.90	
C49	115.89	225.00	29.51	N62° 14' 15"W	114.61	
C50	20.03	257.31	4.46	N79°20'16"W	20.02	
C51	40.34	50.00	46.23	S33° 09' 49"W	39.26	
C52	6.53	50.00	7.48	S6° 18' 28"W	6.53	
C53	385.77	926.68	23.85	N21° 47' 48"W	382.99	

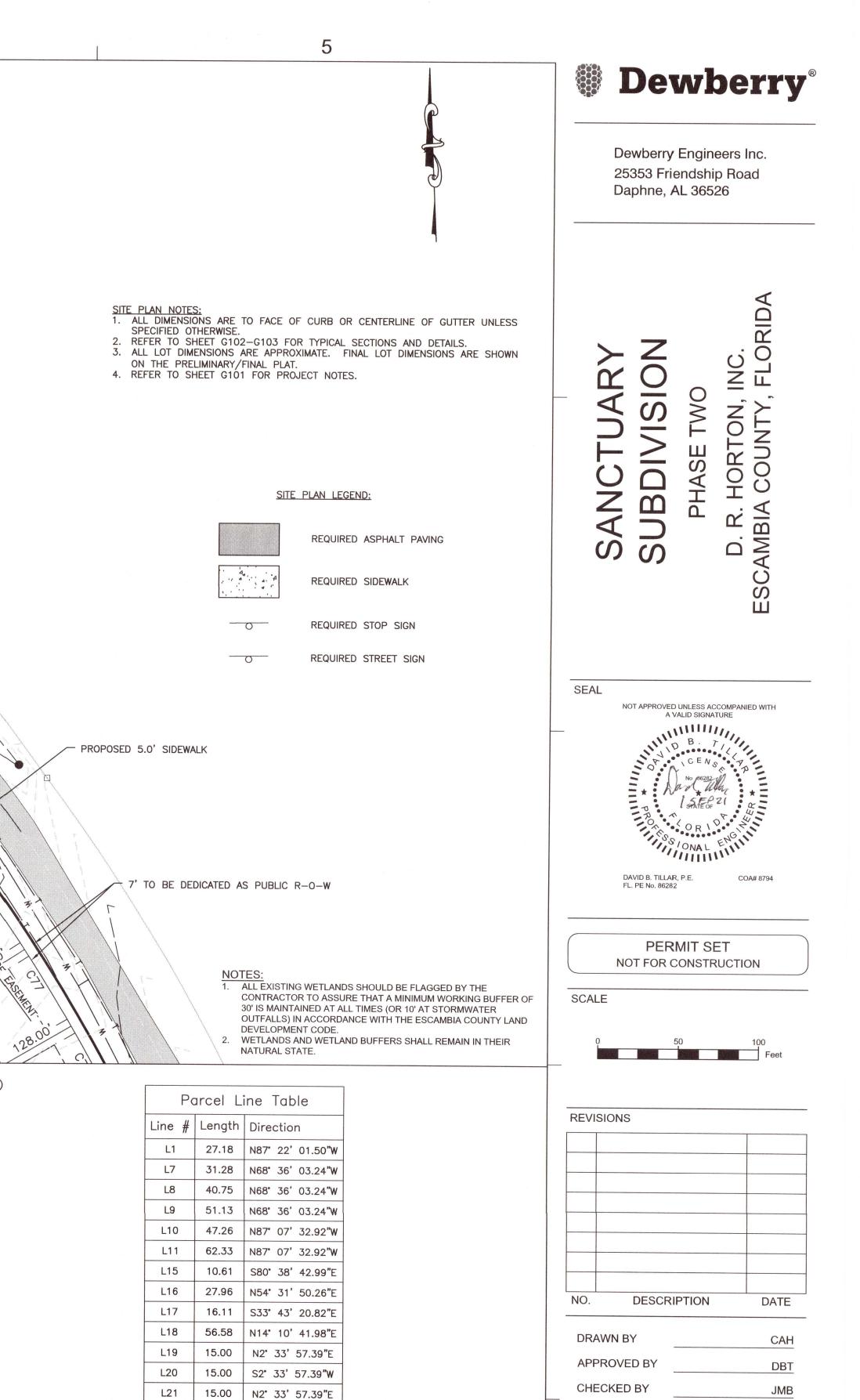
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MATCHLINE (SHEET C201)

		(Curve	Table	
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C54	50.93	926.68	3.15	N8° 17' 47"W	50.92
C55	50.47	926.68	3.12	N5° 09' 42"W	50.47
C56	50.17	926.68	3.10	N2° 03' 00"W	50.17
C57	50.03	926.68	3.09	N1° 02' 51"E	50.02
C58	50.02	926.68	3.09	N4° 08' 26"E	50.02
C59	50.17	926.68	3.10	N7° 14' 16"E	50.16
C60	50.46	926.68	3.12	N10° 20' 56"E	50.46
C61	50.92	926.68	3.15	N13°28'58"E	50.91
C62	66.48	50.00	76.18	N54° 32' 29"E	61.69
C63	56.56	1106.30	2.93	N12 00' 34"E	56.55
C64	56.56	1104.87	2.93	N9° 04' 32"E	56.55
C65	56.56	1104.81	2.93	N6° 08' 31"E	56.55
C66	56.55	1105.03	2.93	N3° 12' 31"E	56.55
C67	56.55	1104.74	2.93	N0° 16' 32"E	56.55
C68	56.56	1104.72	2.93	N2° 39' 28"W	56.55
C69	56.56	1104.70	2.93	N5° 35' 29"W	56.55
C70	56.56	1104.69	2.93	N8° 31' 29"W	56.55
C71	56.56	1104.69	2.93	N11° 27' 30"W	56.55
C72	56.56	1104.69	2.93	N14°23'31"W	56.55
C73	56.56	1104.68	2.93	N17° 19' 31"W	56.55

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			Curve	Table	
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C74	56.56	1104.68	2.93	N20° 15' 32"W	56.56
C75	56.56	1104.68	2.93	N23° 11' 33"W	56.55
C76	56.56	1105.48	2.93	N26° 07' 41"W	56.55
C77	56.56	1088.63	2.98	N29° 03' 27"W	56.55
C78	57.38	1239.79	2.65	N32° 00' 05"W	57.37
C80	20.14	102.43	11.26	N76° 14' 02"W	20.11
C81	40.27	100.00	23.07	N59°01'08"W	40.00
C82	24.01	100.00	13.76	N40° 36' 08"W	23.96
C83	40.95	50.00	46.92	N57° 11' 02"W	39.81
C84	42.23	25.00	96.79	S50° 57' 37"W	37.39
C85	47.69	25.00	109.29	N52° 04' 38"W	40.78
C86	45.35	50.00	51.96	S28° 32' 54"W	43.81
C87	39.27	25.00	90.00	N78 43 21 W	35.36
C88	39.27	25.00	90.00	N11° 16' 39"E	35.36
C89	19.00	100.00	10.89	S49° 05' 14"W	18.97

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Radius	Length	Chord Direction	Start Point	End Point			
951.68	833.36	S8° 38' 10.49"E	(1082276.54,609593.60)	(1082397.72,608795.76)			
75.00	99.72	S54° 32' 29.17"W	(1082397.72,608795.76)	(1082322.34,608742.08)			
75.00	68.02	N28° 32' 53.82"E	(1081514.36,609636.10)	(1081545.76,609693.82)			
175.00	136.91	N76° 56' 33.64"E	(1081716.04,609815.14)	(1081846.03,609845.29)			
75.00	61.42	S57°11'01.90"E	(1082108.86,609801.99)	(1082159.05,609769.62)			
75.00	70.31	N29° 25' 18.29"E	(1082130.24,609530.19)	(1082163.52,609589.22)			
	951.68 75.00 75.00 175.00 75.00	951.68 833.36 75.00 99.72 75.00 68.02 175.00 136.91 75.00 61.42	RadiusLengthChord Direction951.68833.36S8* 38' 10.49"E75.0099.72S54* 32' 29.17"W75.0068.02N28* 32' 53.82"E175.00136.91N76* 56' 33.64"E75.0061.42S57* 11' 01.90"E	RadiusLengthChord DirectionStart Point951.68833.36S8* 38' 10.49"E(1082276.54,609593.60)75.0099.72S54* 32' 29.17"W(1082397.72,608795.76)75.0068.02N28* 32' 53.82"E(1081514.36,609636.10)175.00136.91N76* 56' 33.64"E(1081716.04,609815.14)75.0061.42S57* 11' 01.90"E(1082108.86,609801.99)			



Curve Table: Alianments

L22 16.11 S33° 43' 20.82"E

L24 8.79 N2* 33' 57.39"E

SITE PLAN

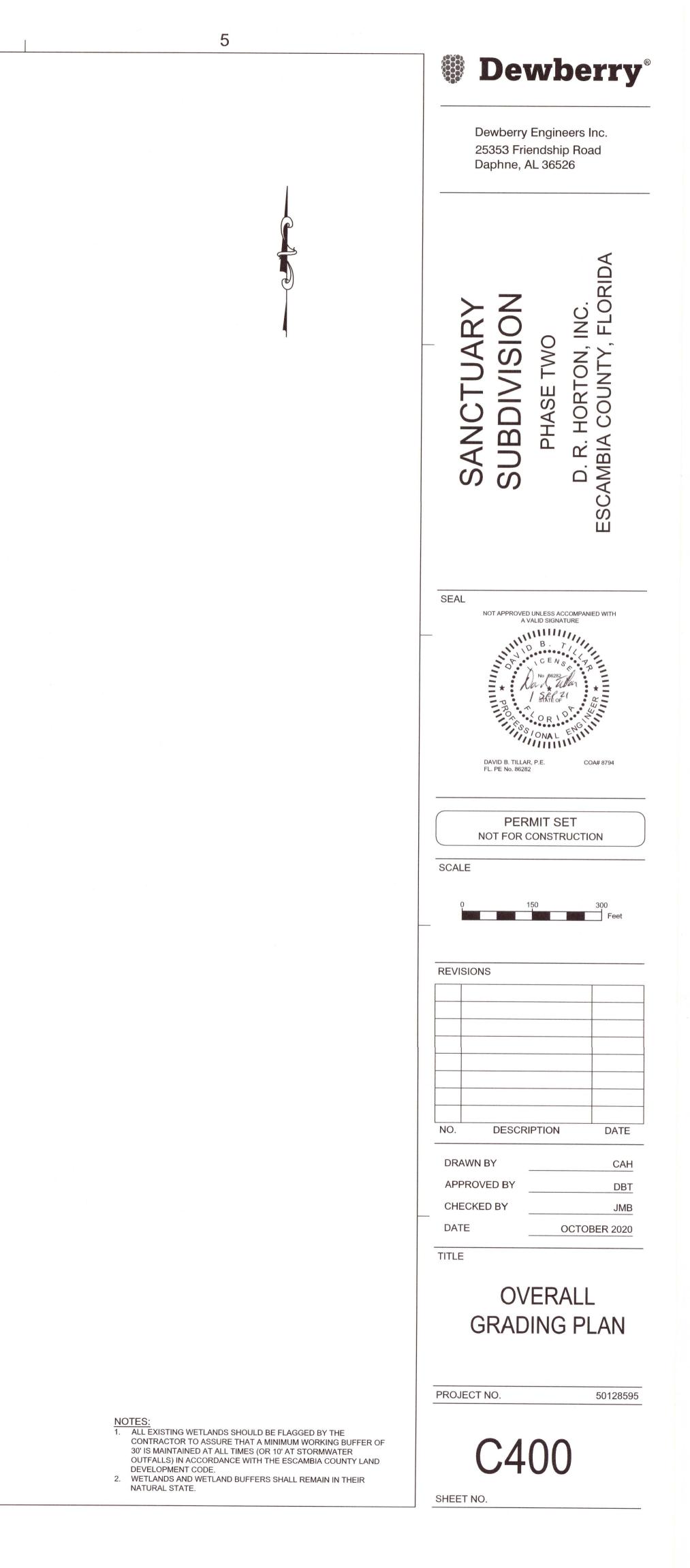
OCTOBER 2020

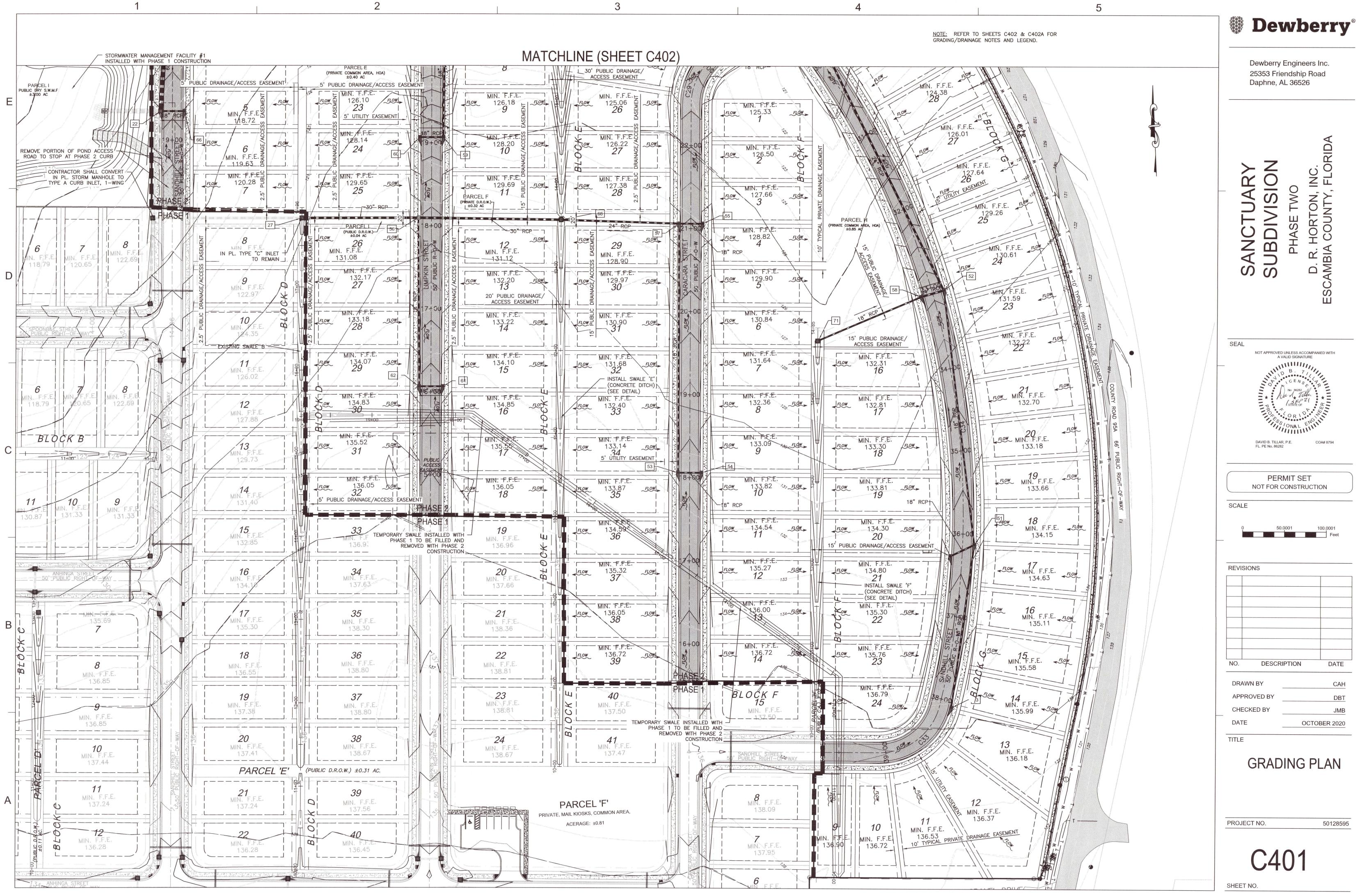
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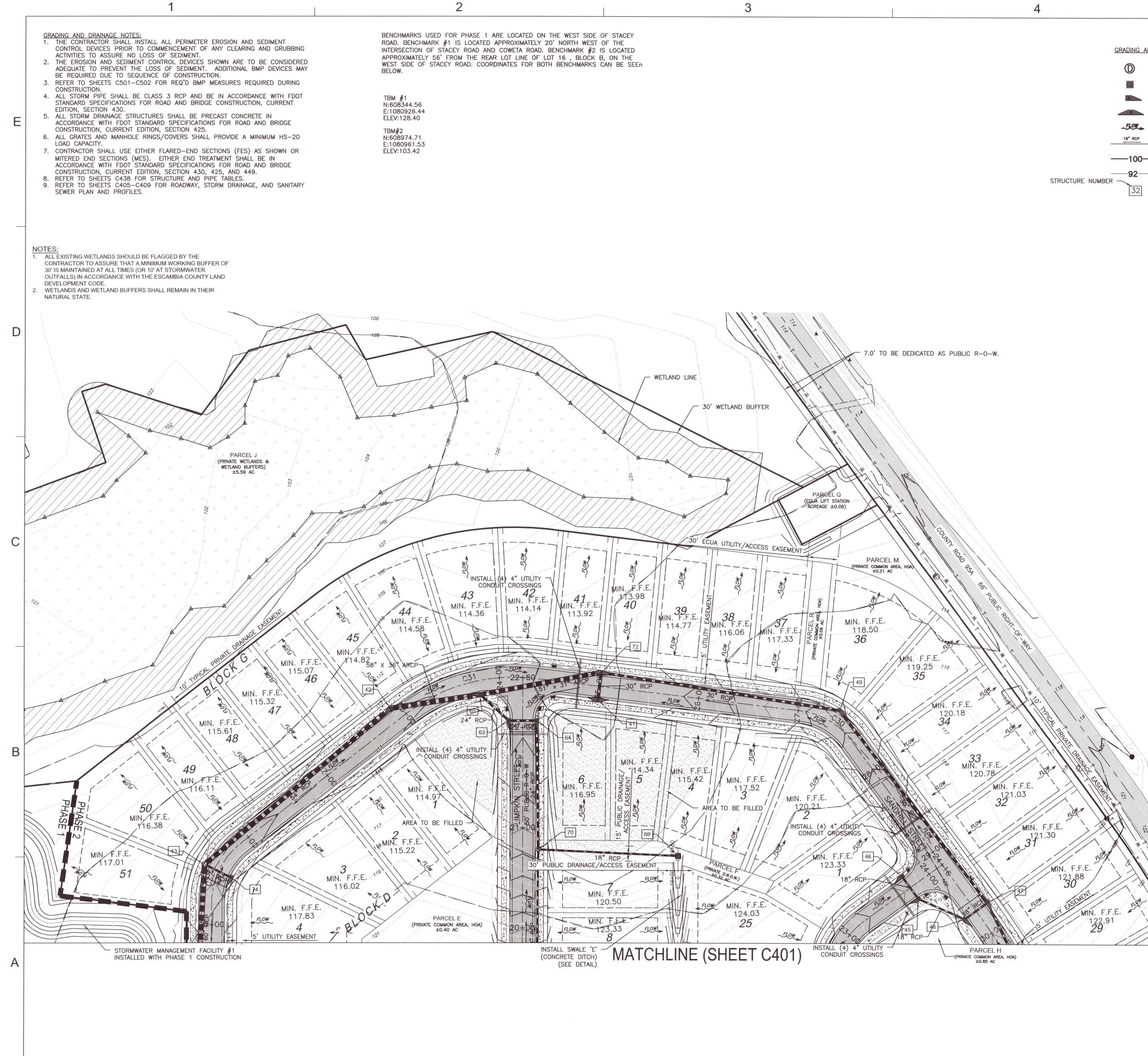
PROJECT NO.	50128595
C202	
SHEET NO.	









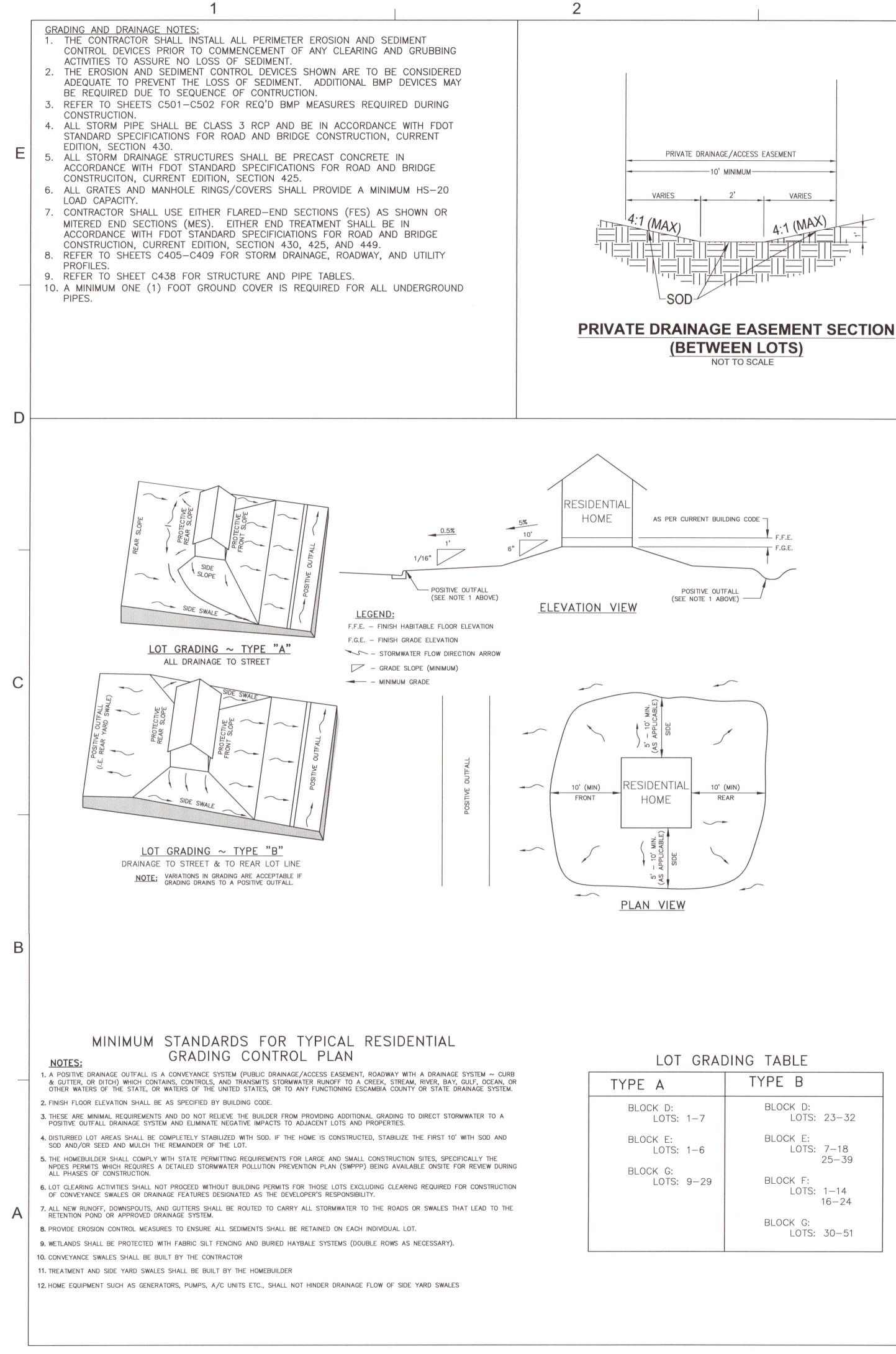


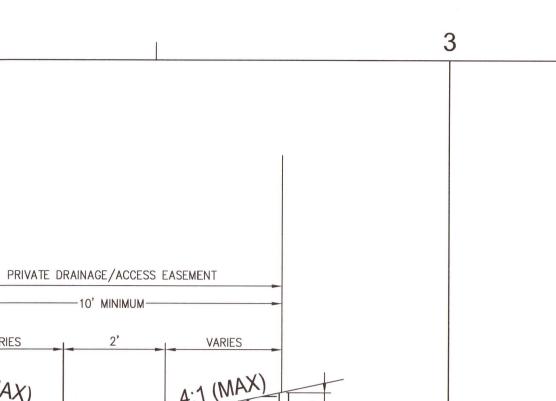
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		Dewberry
IG AND DRAINAGE LEGEND:	P	
PROPOSED STORM MANHOLE/JUNCTION BOX		Dewberry Engineers Inc.
PROPOSED DROP INLET		25353 Friendship Road
PROPOSED CURB INLET, 1-WING	Y	Daphne, AL 36526
PROPOSED CURB INLET, 2-WING		
DRAINAGE FLOW	1	
PROPOSED STORM PIPE		
PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR		4
PROPOSED DRAINAGE STRUCTURE LABEL		PLOR ON Y
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		DAVID B. TILLAR, P.E. COA# 8794
		FL. PE No. 86282
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		GRADING PLAN

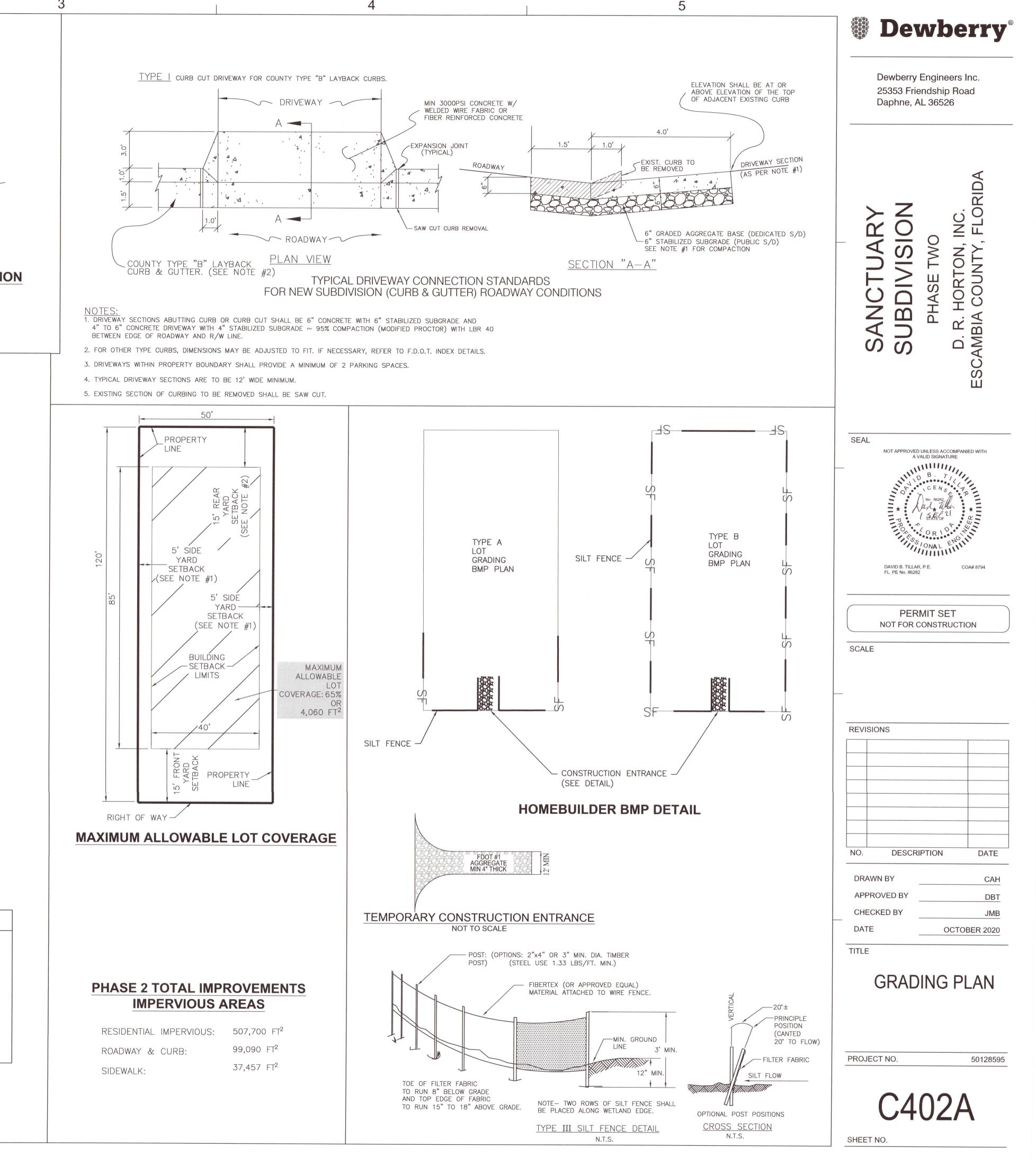
PROJECT NO.

SHEET NO.

C402







10' (MIN) REAR

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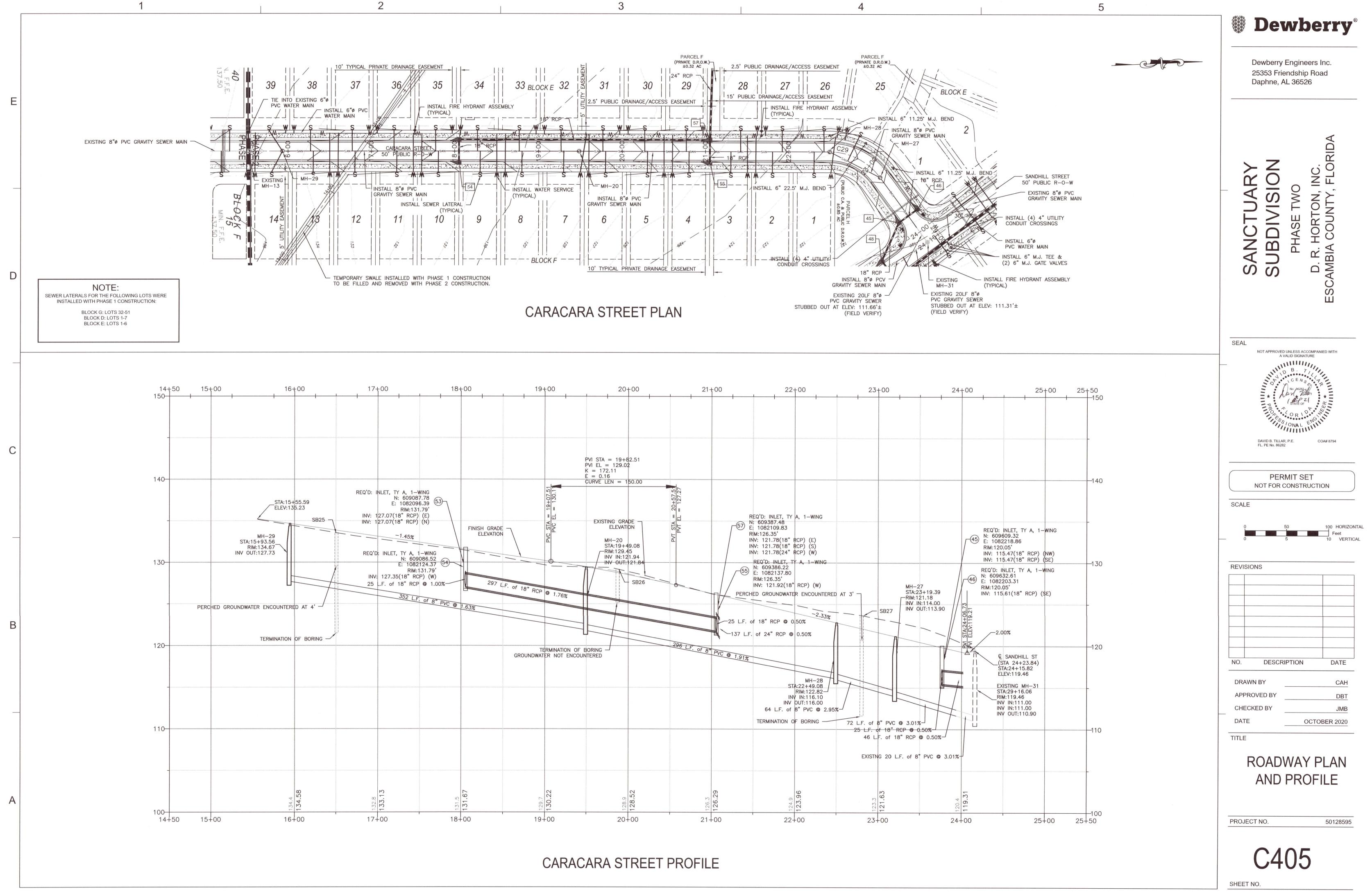
NOT TO SCALE

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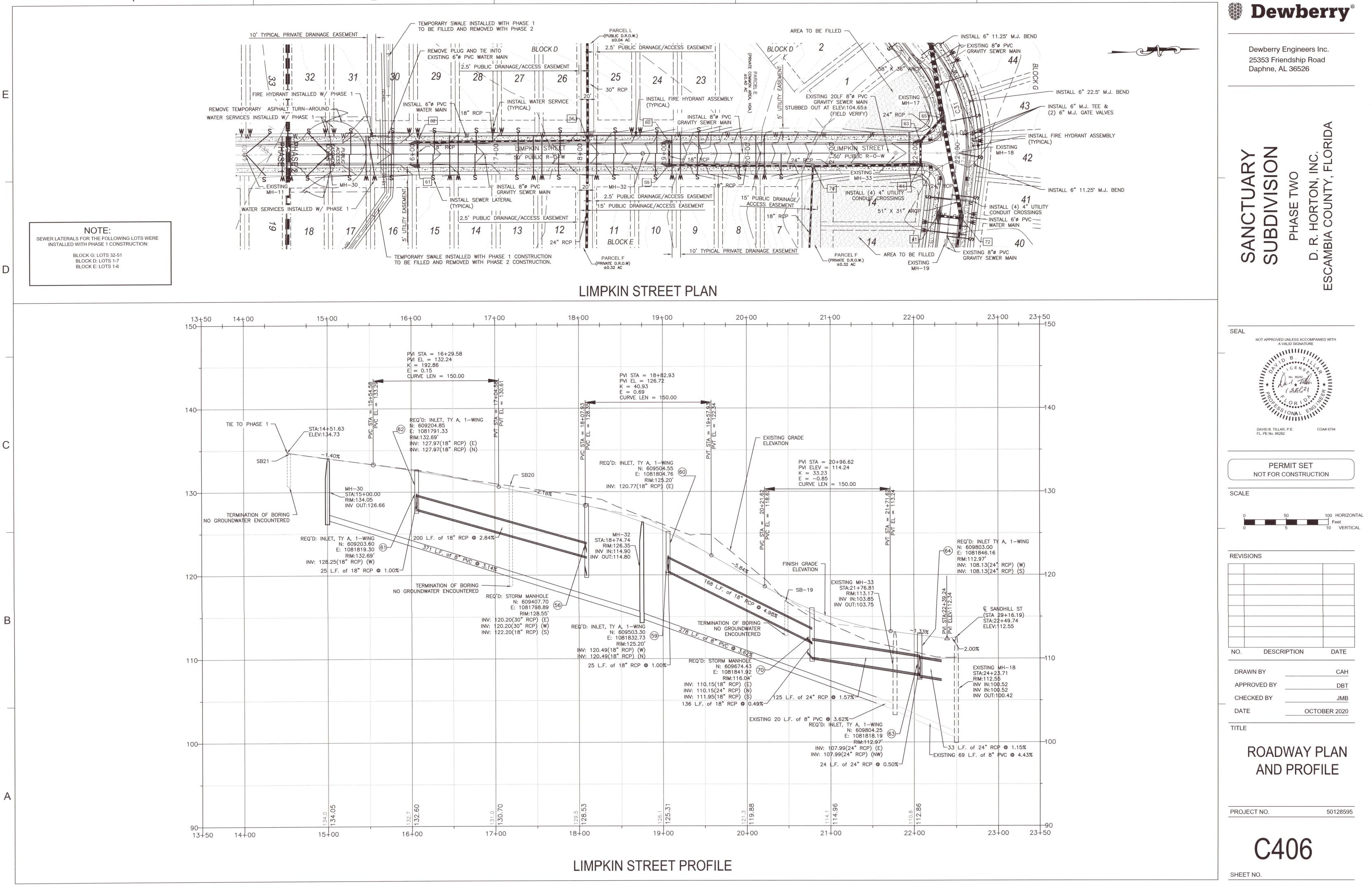
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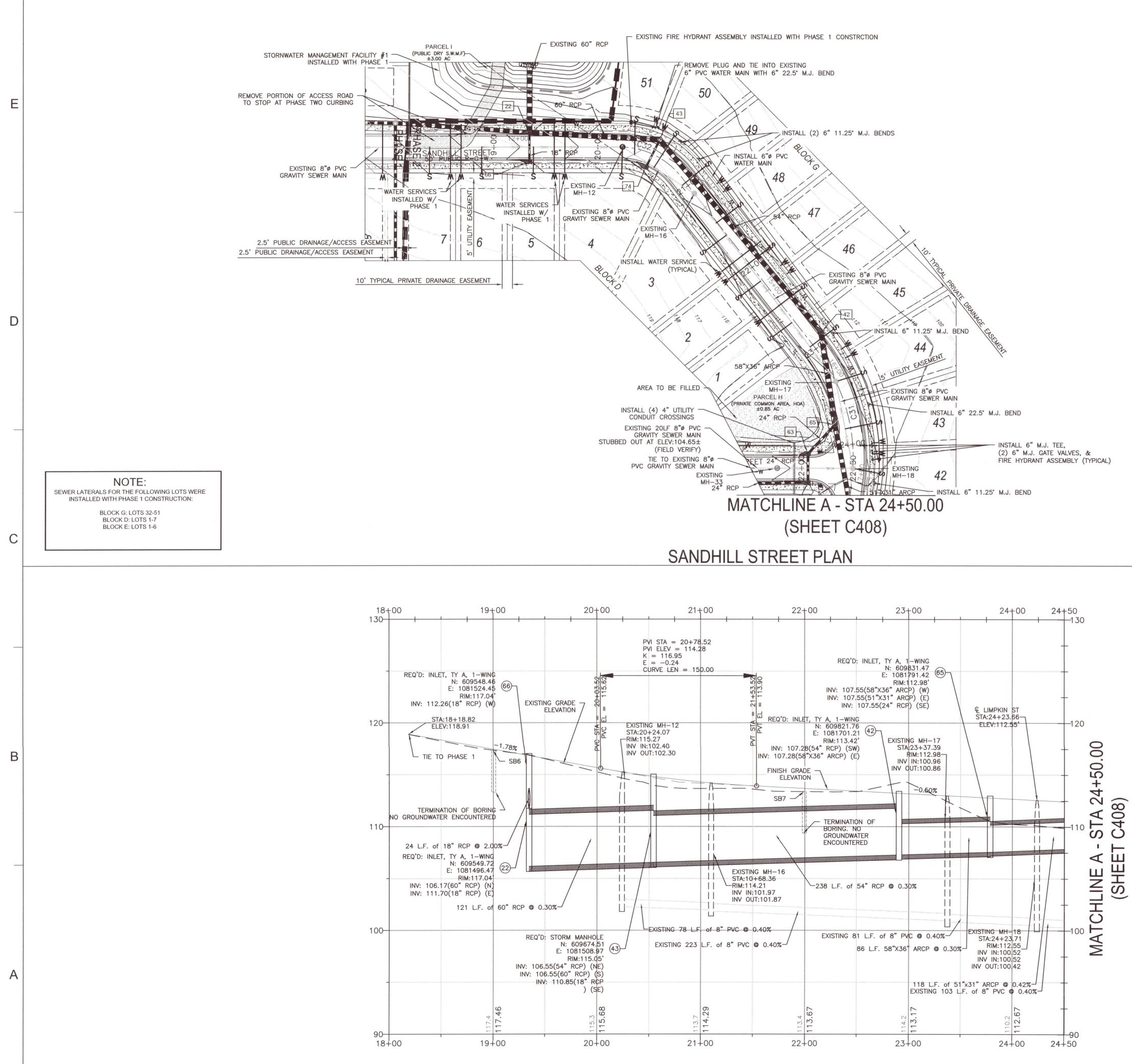
Т	GRADING	TABLE

	TYPE B
): S: 1-7	BLOCK D: LOTS: 23-32
: S: 1-6	BLOCK E: LOTS: 7–18 25–39
5: -S: 9-29	BLOCK F: LOTS: 1–14 16–24
	BLOCK G: LOTS: 30-51







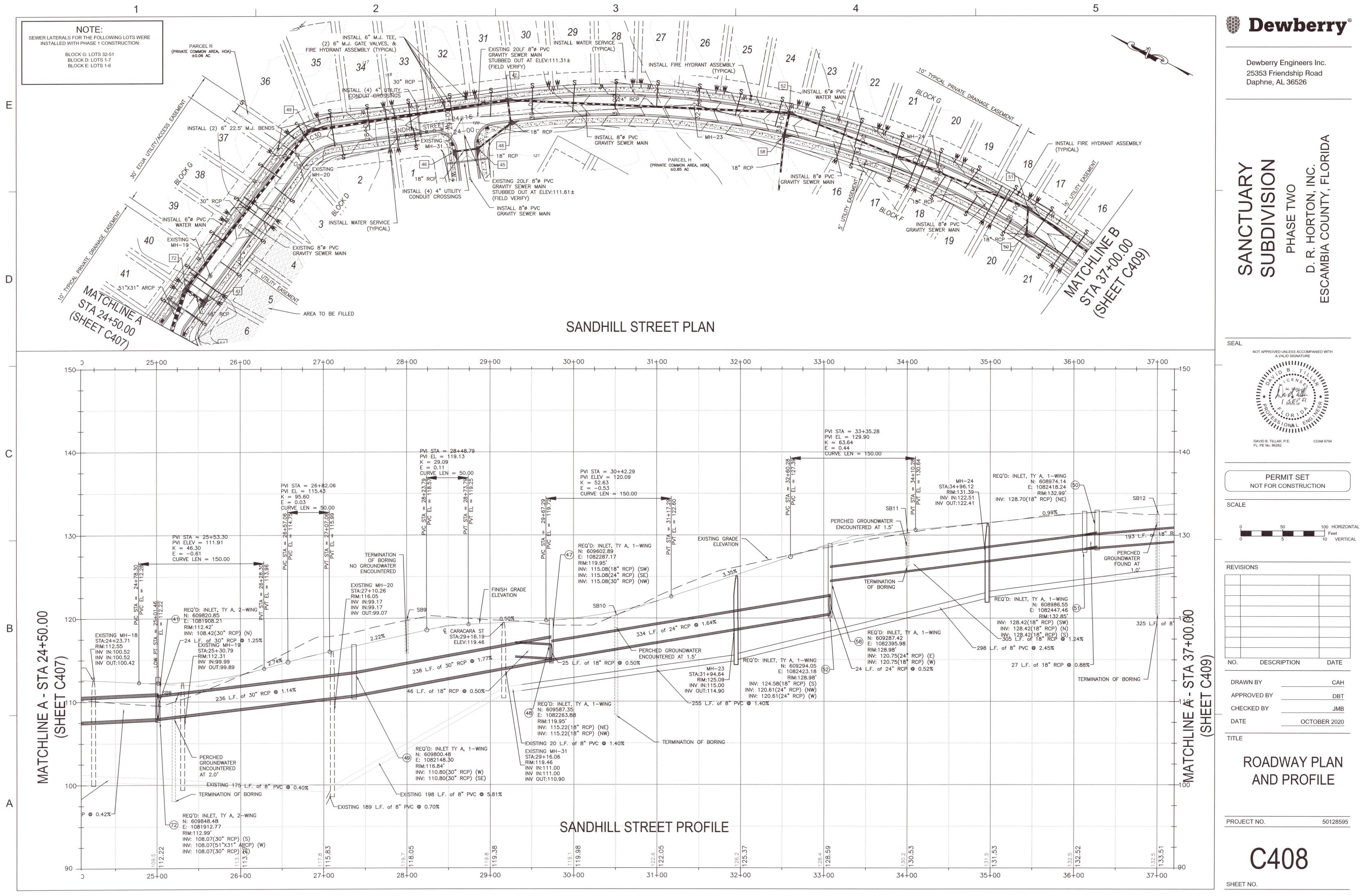


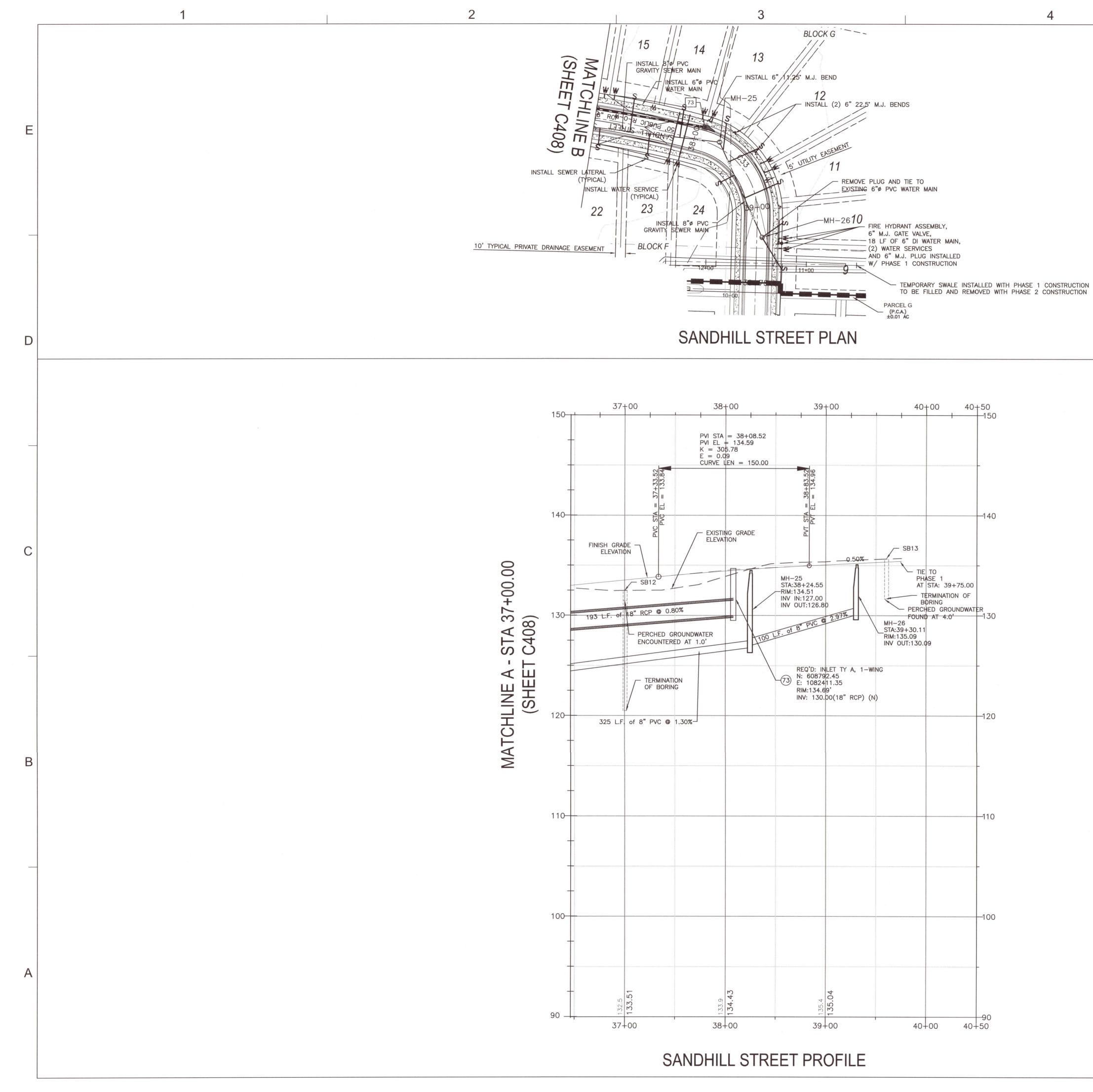




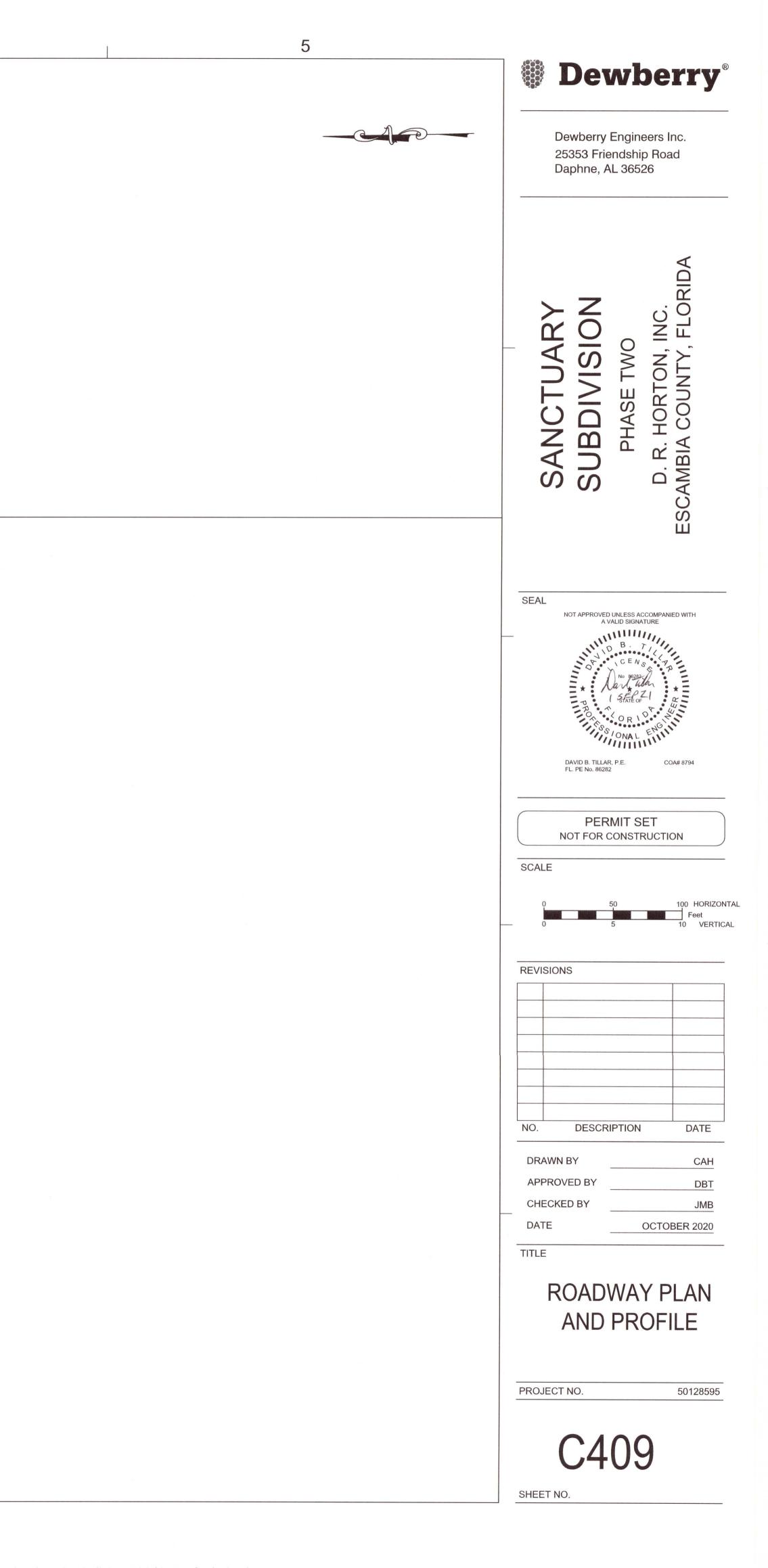
SANDHILL STREET PROFILE

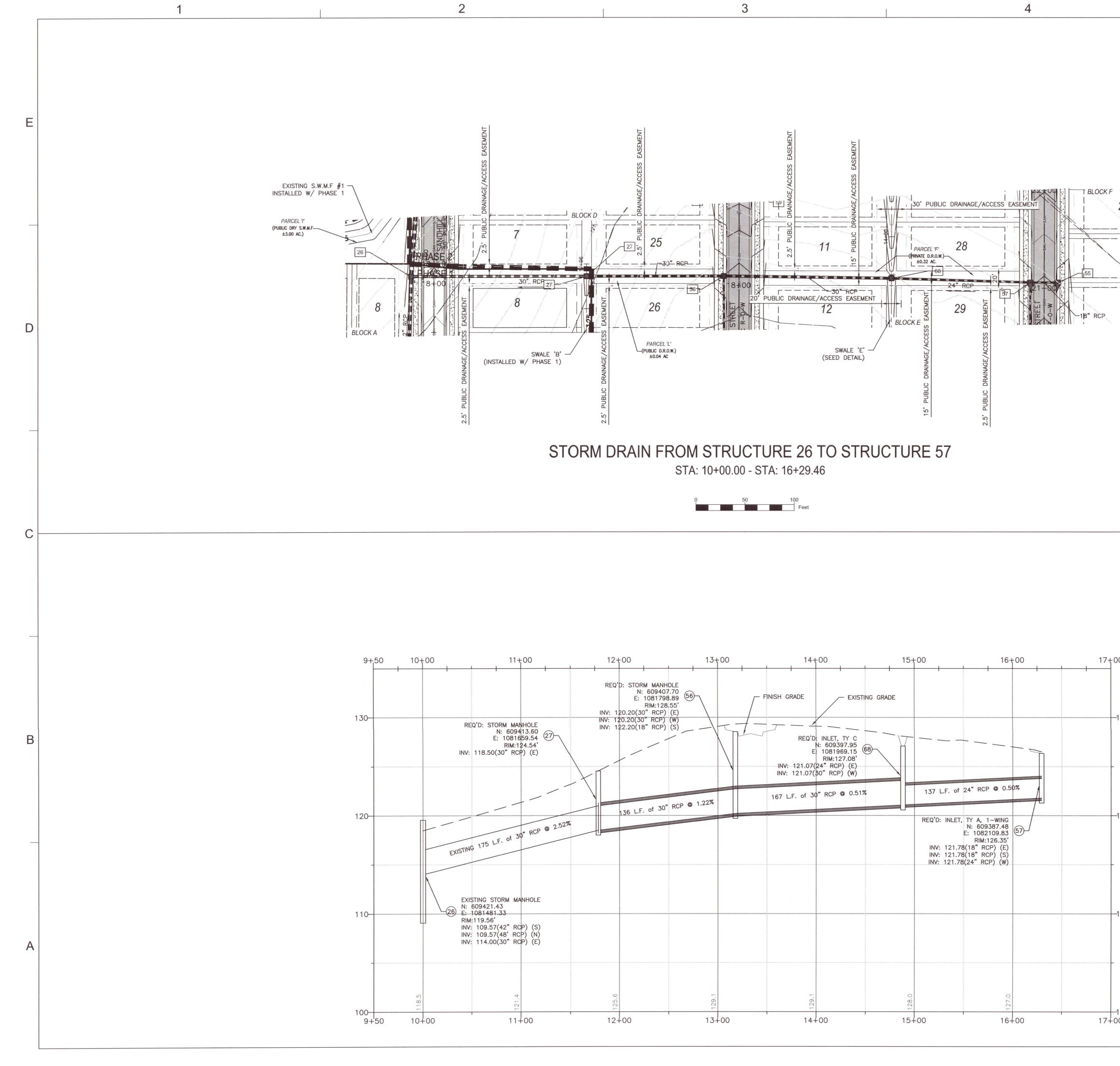




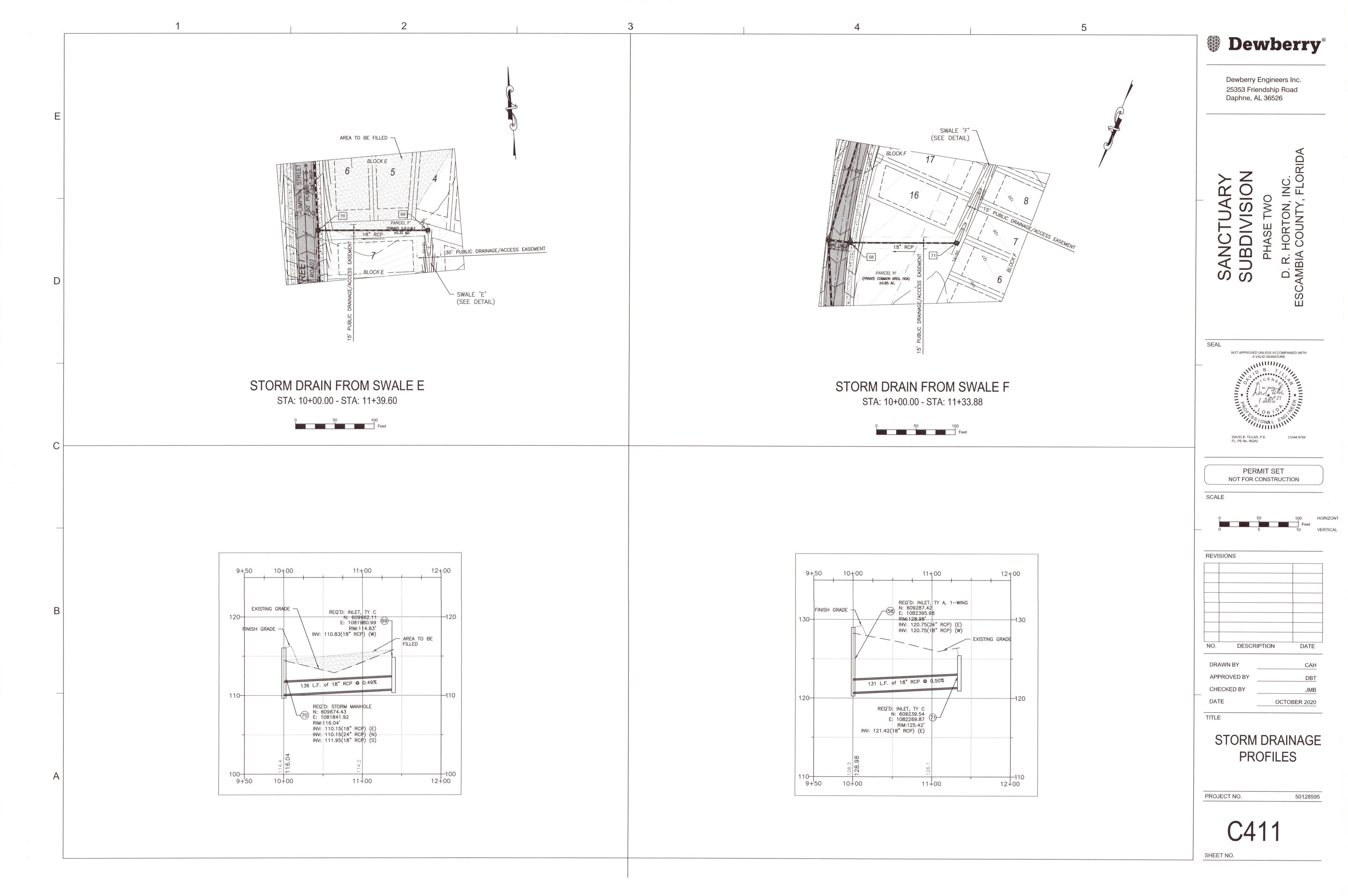


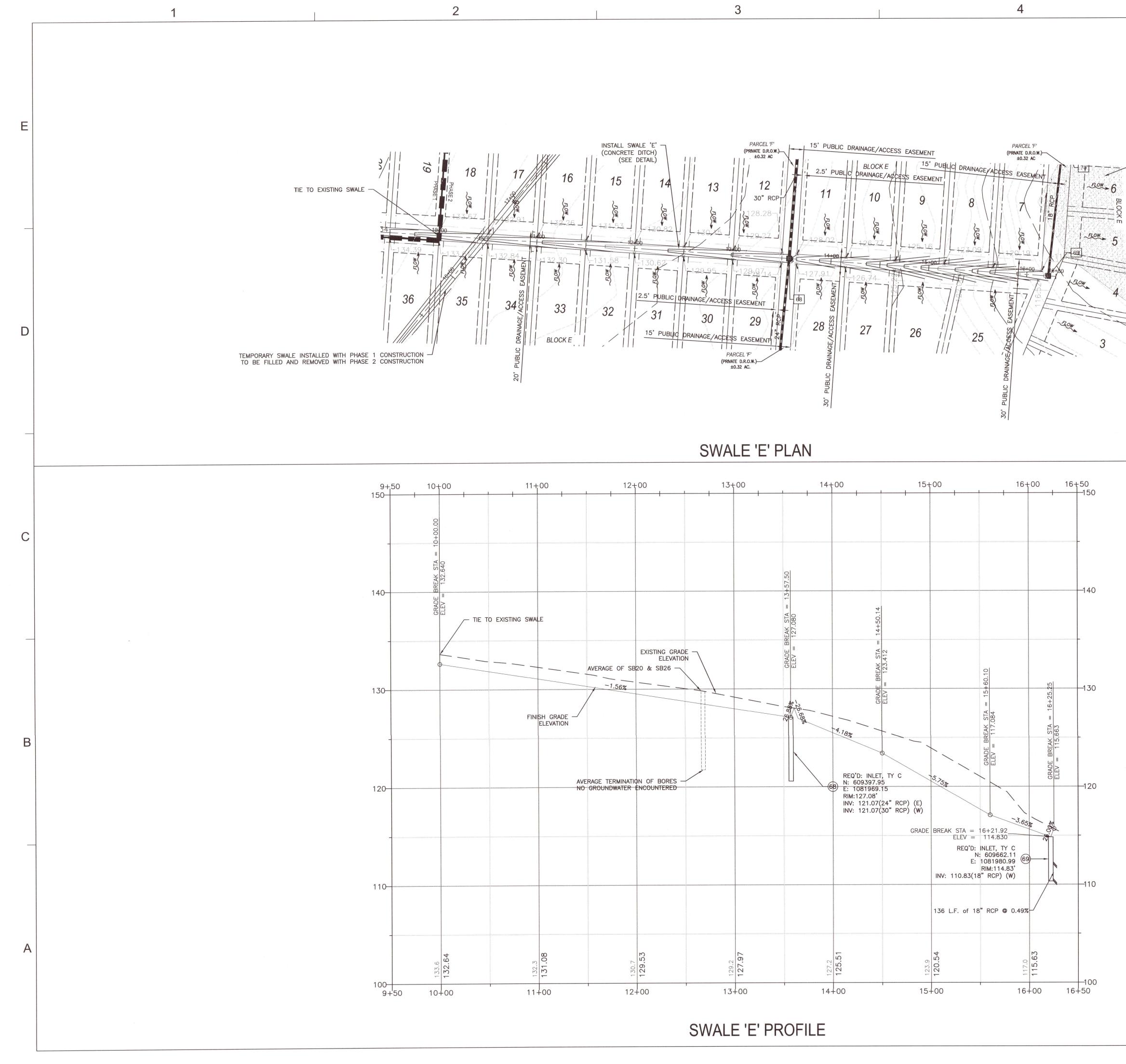






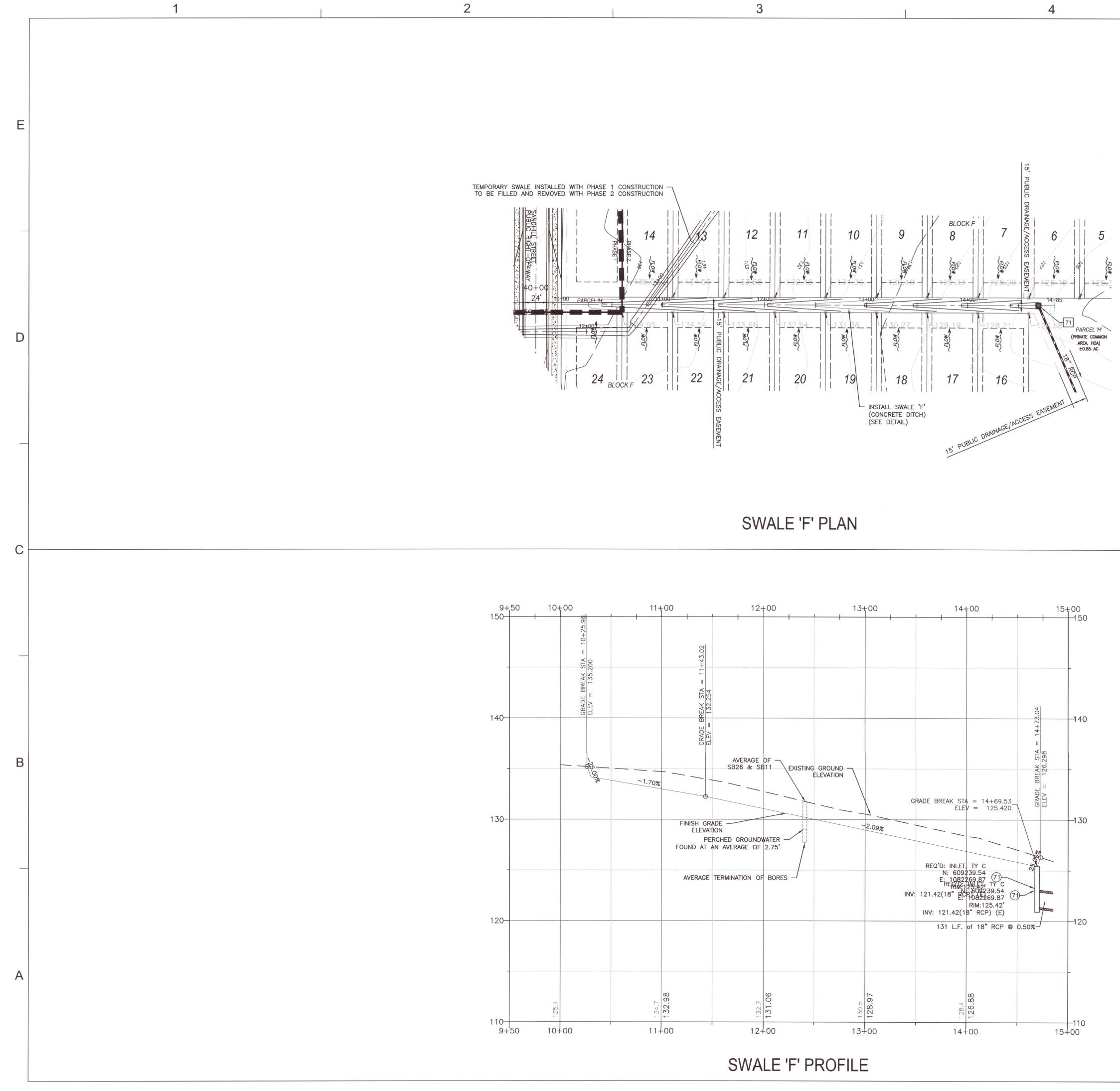
5	Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526
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	STORM DRAINAGE PROJECT NO. 50128595 CC430 SHEET NO.





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CHECKED BY JMB DATE OCTOBER 2020
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STORM DRAINAGE PROFILES
PROJECT NO. 50128595
C431

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Structure Name

22

27

41

42

Description

INLET, TY A, 1-WING

STORM MANHOLE

INLET, TY A, 2-WING

INLET, TY A, 1-WING

Rim Elev.

117.04

124.54

112.42

113.42

128.98

125.20

E:1082395.9769

N:609503.2970 E:1081832.7328

120.75 (18" RCP)(W)

120.49 (18" RCP)(W)

120.49 (18" RCP)(N)

Structure Table

Coordinates

N:609549.7155 E:1081496.4738

N:609413.5990 E:1081659.5434

N:609820.8524 E:1081908.2143

N:609821.7617 E:1081701.2083

D

С

106.55 (60" RCP)(S) N:609674.5102 115.05 43 STORM MANHOLE 110.85 (18" RCP E:1081508.9741)(SE) N:609609.3200 E:1082218.8589 115.47 (18" RCP)(NW) 45 INLET, TY A, 1-WING 120.05 115.47 (18" RCP)(SE) N:609632.6086 E:1082203.3141 INLET, TY A, 1-WING 120.05 115.61 (18" RCP)(SE) 46 115.08 (18" RCP)(SW) N:609602.8942 E:1082287.1706 47 INLET, TY A, 1-WING 115.08 (24" RCP)(SE) 119.95 115.08 (30" RCP)(NW) N:609587.3494 E:1082263.8820 115.22 (18" RCP)(NE) INLET, TY A, 1-WING 119.95 48 115.22 (18" RCP)(NW) 110.80 (30" RCP)(W) N:609800.4817 INLET TY A, 1-WING 116.84 49 E:1082148.2952 110.80 (30" RCP)(SE) N:608974.1395 E:1082418.2362 132.99 128.70 (18" RCP)(NE) 50 INLET, TY A, 1-WING 128.42 (18" RCP)(SW) INLET, TY A, 1-WING E:1082447.4618 132.85 | 128.42 (18" RCP)(N) 51 128.42 (18" RCP)(S) 124.58 (18" RCP)(S) INLET, TY A, 1-WING E:1082423.1797 128.98 120.61 (24" RCP)(NW) 52 120.61 (24" RCP)(W) 127.07 (18" RCP)(E) N:609087.7775 E:1082096.3947 INLET, TY A, 1-WING 53 131.79 127.07 (18" RCP)(N) N:609086.5240 E:1082124.3666 INLET, TY A, 1-WING 131.79 | 127.35 (18" RCP)(W) 54 N:609386.2232 E:1082137.7974 55 INLET, TY A, 1-WING 126.35 | 121.92 (18" RCP)(W) 120.20 (30" RCP)(E) N:609407.7004 128.55 120.20 (30" RCP)(W) 56 STORM MANHOLE E:1081798.8894 122.20 (18" RCP)(S) 121.78 (18" RCP)(E) INLET, TY A, 1-WING N:609387.4767 E:1082109.8254 126.35 | 121.78 (18" RCP)(S) 57 121.78 (24" RCP)(W) 120.75 (24" RCP)(E) N:609287.4166

INLET, TY A, 1-WING

INLET, TY A, 1-WING

58

59

2

Invert Elev(s)

106.17 (60" RCP)(N)

111.70 (18" RCP)(E)

118.50 (30" RCP)(E)

108.42 (30" RCP)(N)

107.28 (54" RCP)(SW) 107.28 (58"X36" ARCP)(E)

106.55 (54" RCP)(NE)

B

Α

		Structure Table		
Structure Name	Description	Coordinates	Rim Elev.	Invert Elev(s)
60	INLET, TY A, 1-WING	N:609504.5506 E:1081804.7609	125.20	120.77 (18" RCP)(E)
61	INLET, TY A, 1-WING	N:609203.5978 E:1081819.3021	132.69	128.25 (18" RCP)(W)
62	INLET, TY A, 1-WING	N:609204.8514 E:1081791.3301	132.69	127.97 (18" RCP)(E) 127.97 (18" RCP)(N)
63	INLET, TY A, 1-WING	N:609804.2498 E:1081818.1916	112.97	107.99 (24" RCP)(E) 107.99 (24" RCP)(NW)
64	INLET TY A, 1-WING	N:609802.9962 E:1081846.1635	112.97	108.13 (24" RCP)(W) 108.13 (24" RCP)(S)
65	INLET, TY A, 1-WING	N:609831.4720 E:1081791.4177	112.98	107.55 (58"X36" ARCP)(W) 107.55 (51"X31" ARCP)(E) 107.55 (24" RCP)(SE)
66	INLET, TY A, 1-WING	N:609548.4620 E:1081524.4457	117.04	112.26 (18" RCP)(W)
68	INLET, TY C	N:609397.9508 E:1081969.1533	127.08	121.07 (24" RCP)(E) 121.07 (30" RCP)(W)
69	INLET, TY C	N:609662.1060 E:1081980.9912	114.83	110.83 (18" RCP)(W)
70	STORM MANHOLE	N:609674.4256 E:1081841.9232	116.04	110.15 (18" RCP)(E) 110.15 (24" RCP)(N) 111.95 (18" RCP)(S)
71	INLET, TY C	N:609239.5429 E:1082269.8742	125.42	121.42 (18" RCP)(E)
72	INLET, TY A, 2-WING	N:609848.4800 E:1081912.7656	112.99	108.07 (30" RCP)(S) 108.07 (51"X31" ARCP)(W) 108.07 (30" RCP)(E)
73	INLET TY A, 1-WING	N:608792.4505 E:1082411.3547	134.69	130.00 (18" RCP)(N)
74	INLET TY A, 1-WING	N:609660.1092 E:1081534.7696	115.03	111.00 (18" RCP)(NW)

	Pipe Table						
Upstream Structure	Downstream Structure	Pipe Size	Length	Slope	Invert (In)	Invert (Out)	
41	72	30" RCP	28.000	1.25%	108.42	108.07	
42	43	54" RCP	242.151	0.30%	107.28	106.55	
43	22	60" RCP	125.419	0.30%	106.55	106.17	
45	48	18" RCP	50.098	0.50%	115.47	115.22	
46	45	18" RCP	28.000	0.50%	115.61	115.47	
47	49	30" RCP	241.510	1.77%	115.08	110.80	
48	47	18" RCP	28.000	0.50%	115.22	115.08	
49	72	30" RCP	240.371	1.14%	110.80	108.07	
50	51	18" RCP	31.750	0.88%	128.70	128.42	
51	52	18" RCP	308.462	1.24%	128.42	124.58	
52	47	24" RCP	337.465	1.64%	120.61	115.08	
53	57	18" RCP	300.000	1.76%	127.07	121.78	
54	53	18" RCP	28.000	1.00%	127.35	127.07	
55	57	18" RCP	28.000	0.50%	121.92	121.78	
56	27	30" RCP	139.471	1.22%	120.20	118.50	
57	68	24" RCP	141.062	0.50%	121.78	121.07	
58	52	24" RCP	28.000	0.52%	120.75	120.61	
59	70	18" RCP	171.375	4.98%	120.49	111.95	
60	59	18" RCP	28.000	1.00%	120.77	120.49	
61	62	18" RCP	28.000	1.00%	128.25	127.97	
	02	IN KUP	20.000	1.00%	128.25	127.97	

	Pipe Table						
Upstream Structure	Downstream Structure	Pipe Size	Length	Slope	Invert (In)	Invert (Out)	
62	56	18" RCP	202.990	2.84%	127.97	122.20	
63	65	24" RCP	38.182	1.15%	107.99	107.55	
64	63	24" RCP	28.000	0.50%	108.13	107.99	
65	42	58"X36" ARCP	90.731	0.30%	107.55	107.28	
66	22	18" RCP	28.000	2.00%	112.26	111.70	
68	56	30" RCP	170.543	0.51%	121.07	120.20	
69	70	18" RCP	139.613	0.49%	110.83	110.15	
70	64	24" RCP	128.640	1.57%	110.15	108.13	
71	58	18" RCP	134.884	0.50%	121.42	120.75	
72	65	51"X31" ARCP	122.534	0.42%	108.07	107.55	
73	51	18" RCP	197.425	0.80%	130.00	128.42	
74	43	18" RCP	29.543	0.50%	111.00	110.85	

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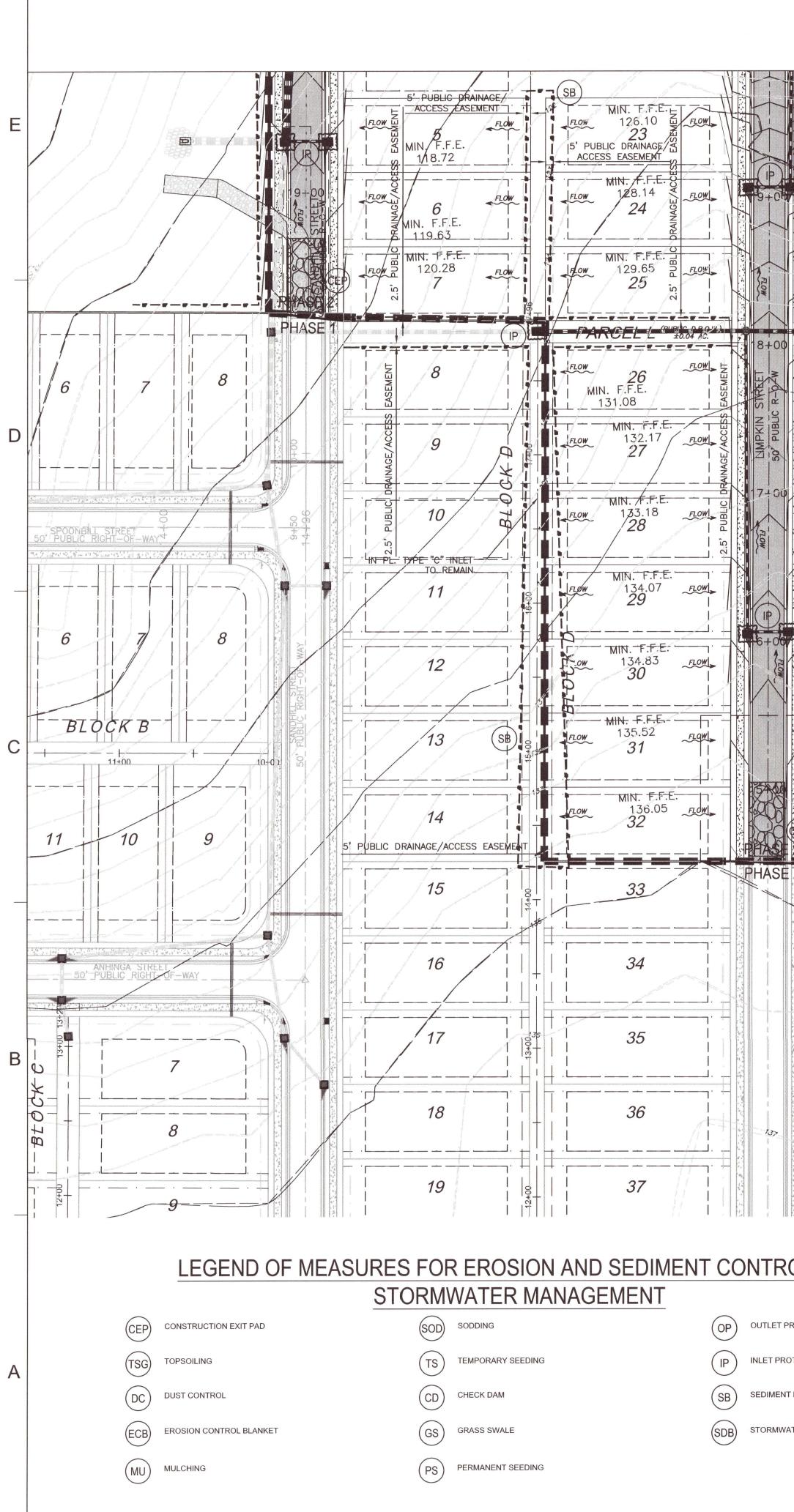
TOTAL LF OF PIPE: 3864.22 TOTAL NUMBER OF TYPE A INLETS: TOTAL NUMBER OF TYPE C INLETS: TOTAL NUMBER OF MANHOLES:

27 3 4

Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526 HORTON, INC. COUNTY, FLORIDA **FUARY** VISION 0 TW PHASE SANCT SUBDIV and the second second D. R. H AMBIA C S Ш SEAL NOT APPROVED UNLESS ACCOMPANIED WITH A VALID SIGNATURE MIIIII, Β. I STATE OF THE SSIONAL DAVID B. TILLAR, P.E. FL. PE No. 86282 COA# 8794 PERMIT SET NOT FOR CONSTRUCTION SCALE REVISIONS NO. DESCRIPTION DATE -----DRAWN BY CAH APPROVED BY DBT CHECKED BY JMB DATE OCTOBER 2020 TITLE STRUCTURE AND PIPE TABLES PROJECT NO. 50128595 C438

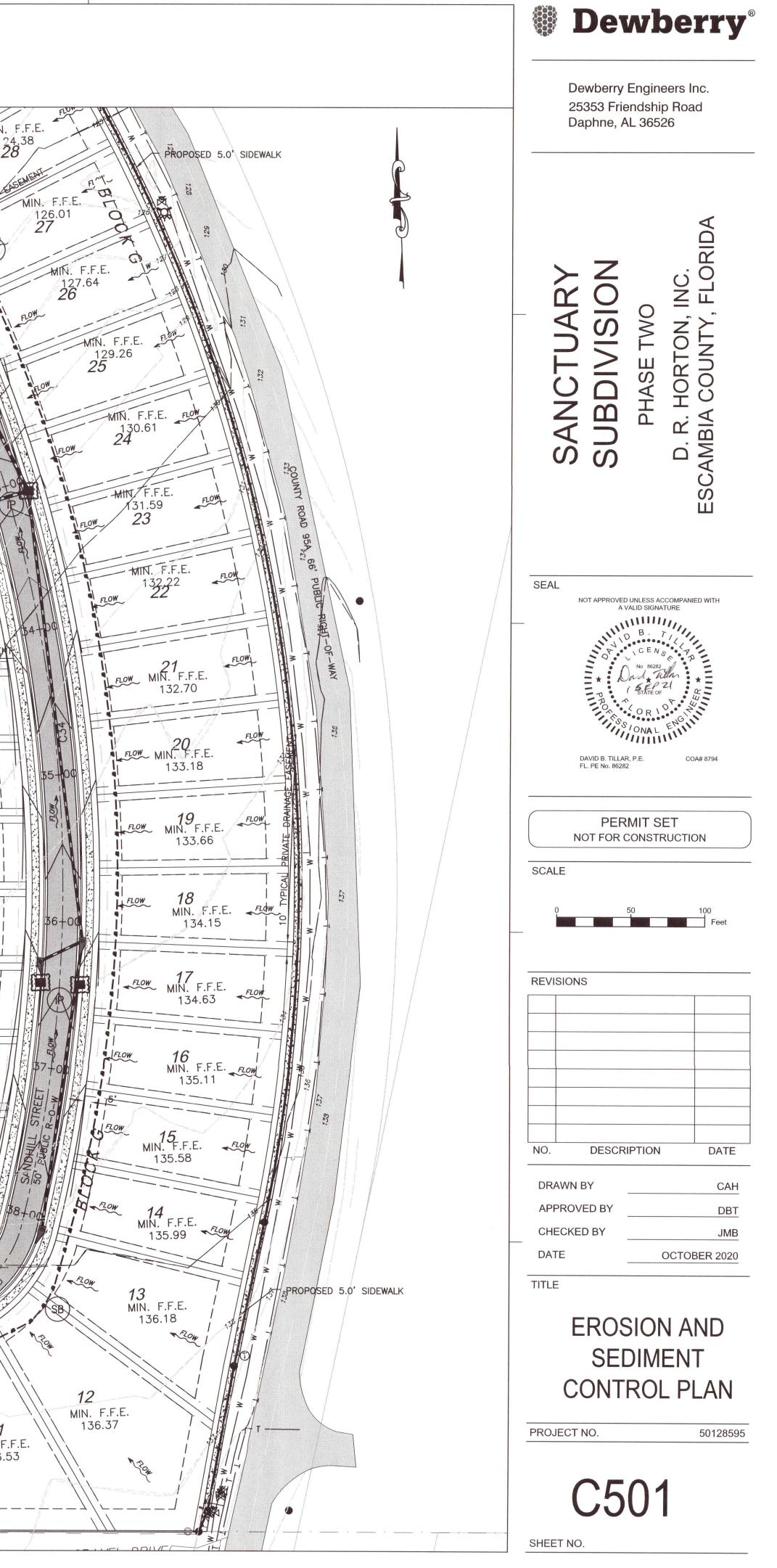
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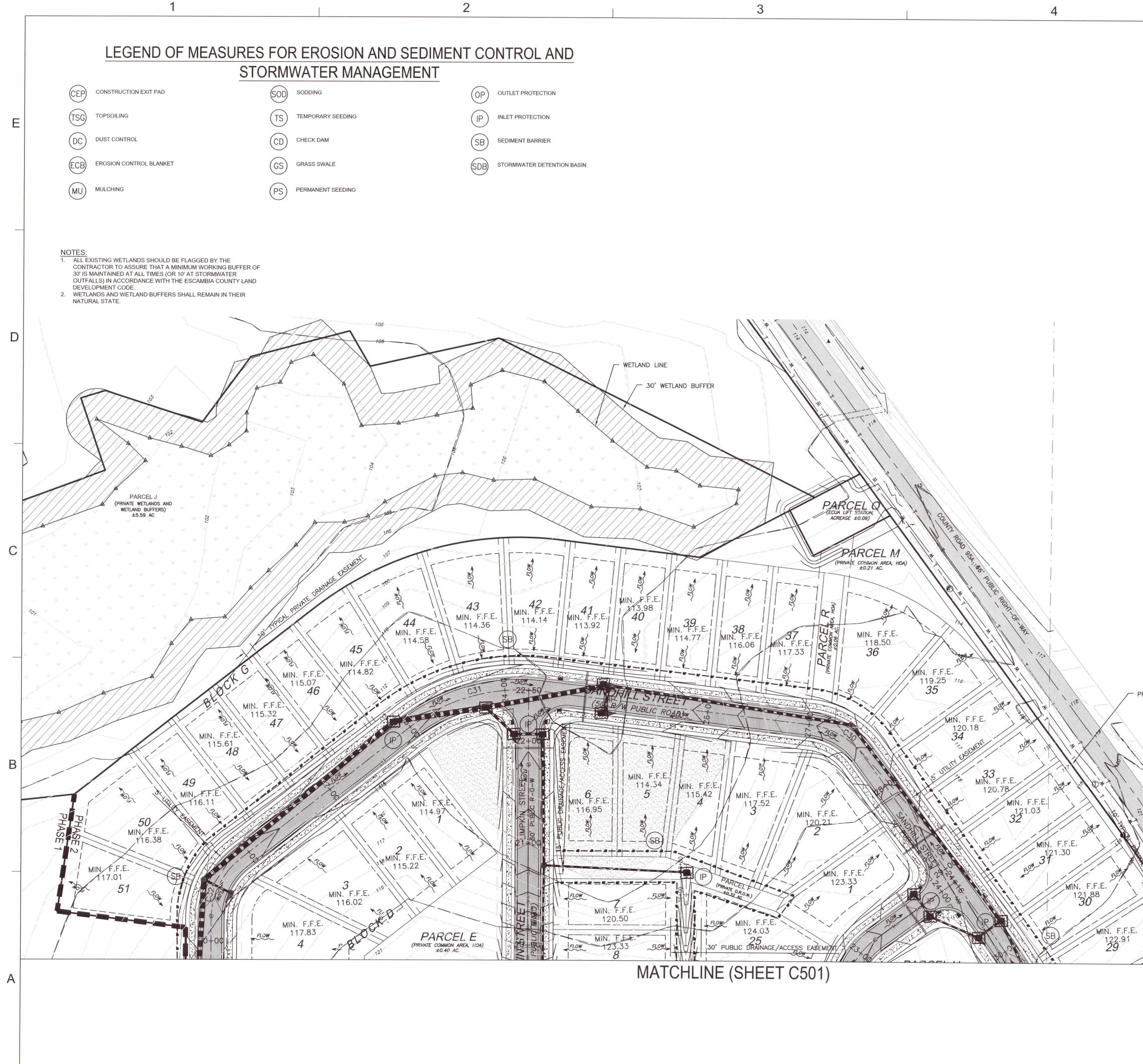
Dewberry[®]

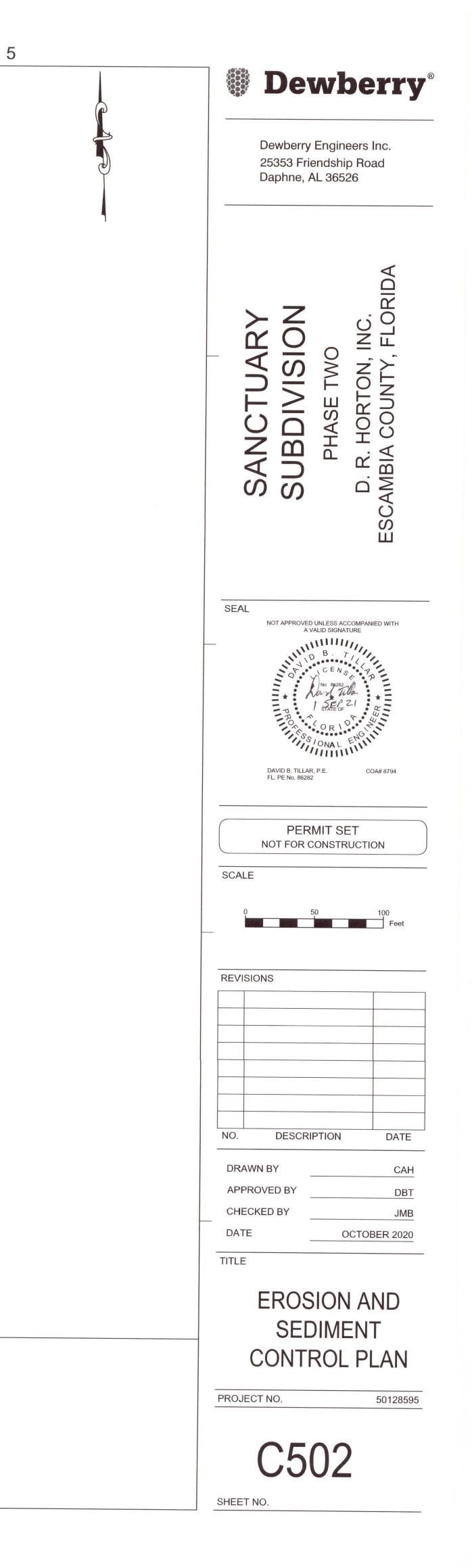


MATCHLINE (SHEET C502)

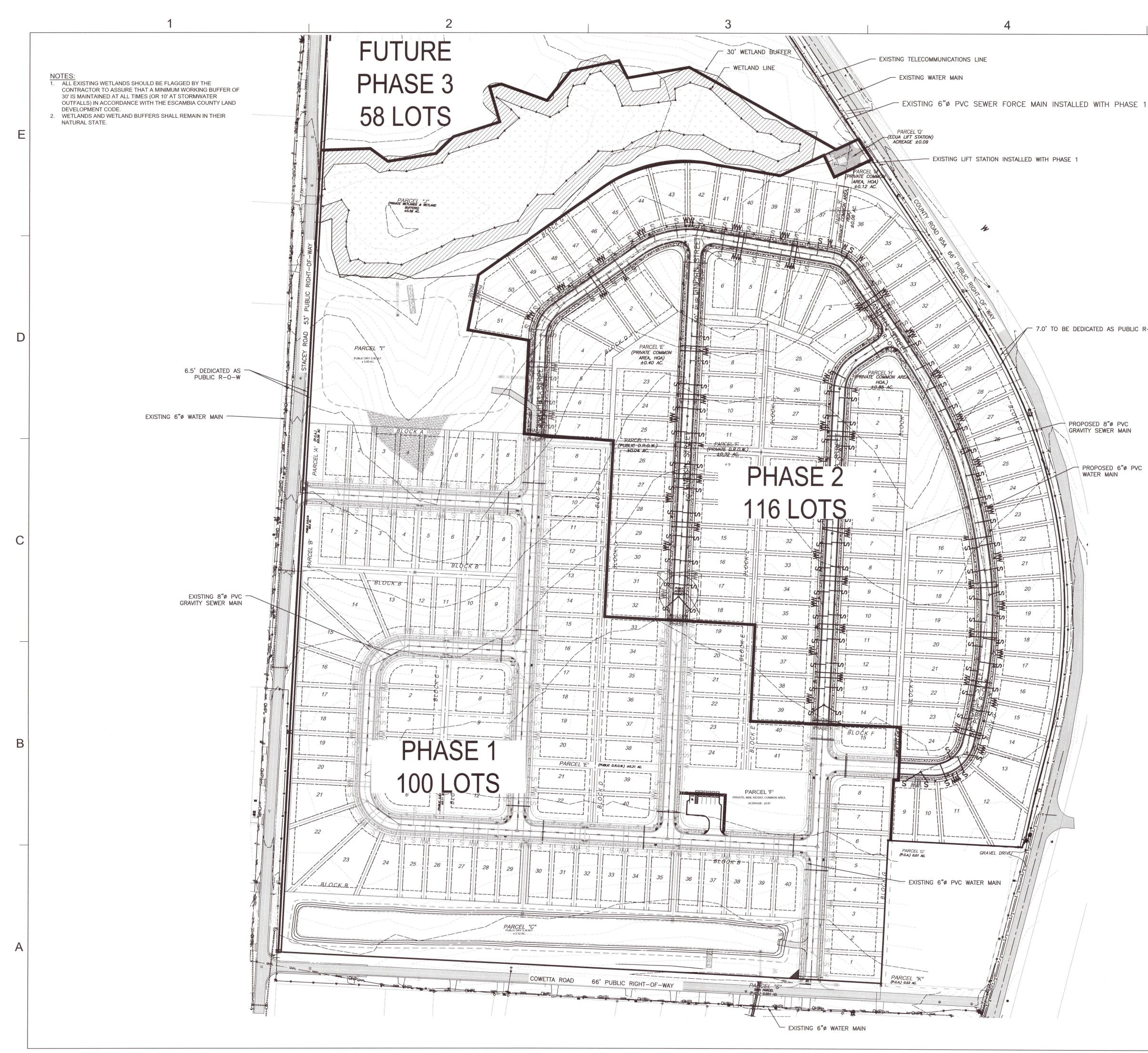
	MAICI	HLINE (SHEET C50	02)				
			- AND	(PRIVATI	E COMMON AREA HOA) ±0.85 AC.		MIN.
	MIN. F.F.E. FLOW 126.18 30' PUBLIC DRAINAGE/ ACCESS EASEMENT	MIN. F.F.E. FLOW 125.06 26			IN. F.F.E	EASEMENT	
	HIN. F.F.E. FLOW 128.20 ID	MIN. F.F.E. Low 126.22 Si FLOW 27 Si I	22,00	I FLOW	MIN. F.F.E. 126.50 _F.	DRAINAGE	A LOCAL STREAM
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	Flow Flow 12 MIN. F.F.E. 131.12	FLOW ON	A STREET		IN. F.F.E. 128.82 4 		Davin MccE / Access
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	MIN. F.F.E. FLOW 134.10 15 SB SB	MIN. F.F.E. I FLOW 131.68 I SWALE 'E'		FLOW	IIN. F.F.E. 131.64 FLdw, 7 28		MIN. F.F.E. 132.31 16 16 16 16 10 10 10 10 10 10 10 10 10 10
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	MIN. F.F.E. IFLOW 135.55 E FLOW	$\begin{array}{c c} \hline \\ \hline $		FLOW	133.09 *so FLdw, 9		MIN. F.F.E. 133.30 18
	MIN: F.F.E. IFLOW 136.05 18 18	MIN. F.F.E. IFLOW 133.87 35 I		FLOW	133.82 37 Fidw, 10		MIN. F.F.E. 133.81 19
		MIN. F.F.E. <i>ILOW</i> 134.59 <i>S'</i> UTILITY EASEMENT		FLOW	AIN. F.F.E. 134.54 11 11 11		MIN. F.F.E. 134.30 <i>FLOW</i> 20 INSTALL SWALE 'F'
		MIN. F.F.E. IFLOW 135.32 FLOW 37	7+00	FLOW	IIN. F.F.E. 135.27 <i>F.I.dw</i> , 12	FLOW	(concrete ditch) (see detail) MIN. F.F.L 134.80 21
		MIN. F.F.E. IFLOW 136.05 38		FLOW	136.00 136.00 134 13		MIN. F.F.E. 135.30 FLOW 22
		MIN. F.F.E. IFLOW 136.72 FLOW 39			14 136.72 14 14		MIN. F.F.E. 135.76 23 I
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WATER	R DETENTION BASIN		CARA STREET		7	9 MIN. F.F.E. 136.90	10 MIN. F.F.E. 136.5 136.72
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PROPOSED 5.0' SIDEWALK



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7.0' TO BE DEDICATED AS PUBLIC R-O-W

PROPOSED 6"Ø PVC WATER MAIN

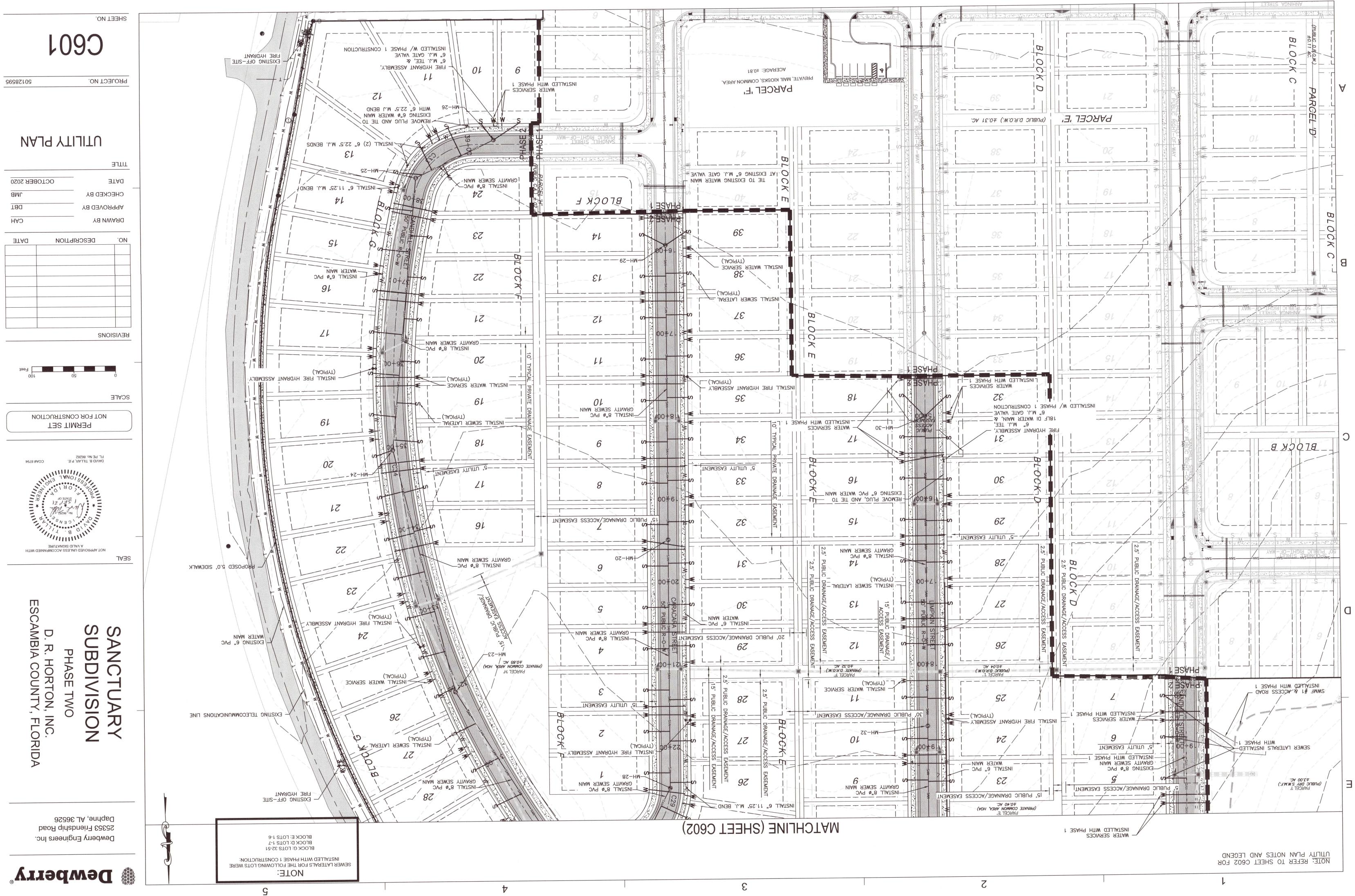
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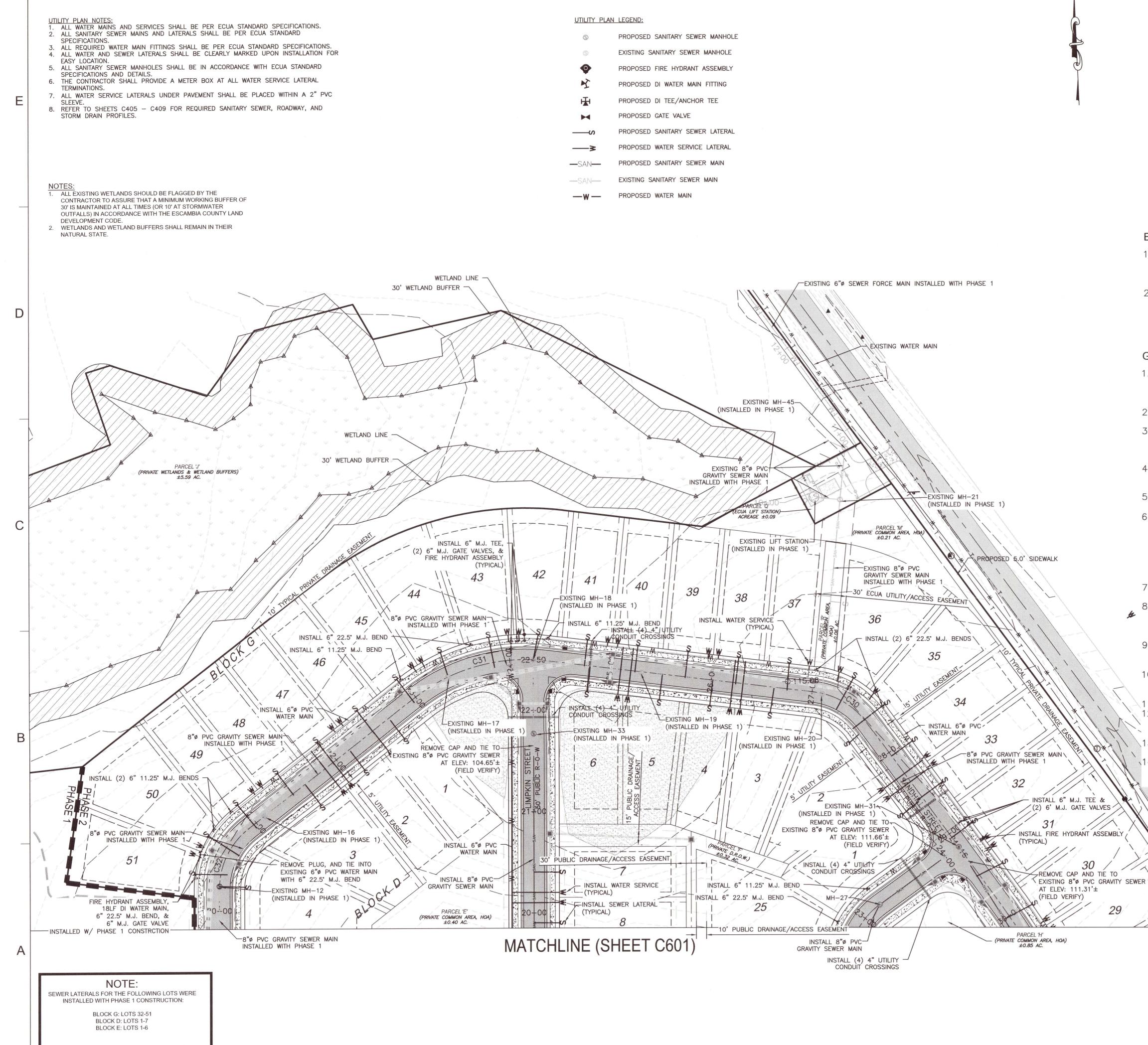
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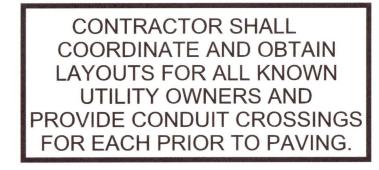


Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526





S	PROPOSED SANITARY SEWER MANHOL
S	EXISTING SANITARY SEWER MANHOLE
\mathbf{O}	PROPOSED FIRE HYDRANT ASSEMBLY
Y	PROPOSED DI WATER MAIN FITTING
ъ	PROPOSED DI TEE/ANCHOR TEE
M	PROPOSED GATE VALVE
<u></u> ى	PROPOSED SANITARY SEWER LATERAL
—>	PROPOSED WATER SERVICE LATERAL
-SAN-	PROPOSED SANITARY SEWER MAIN
nun SAN-munu	EXISTING SANITARY SEWER MAIN
—w —	PROPOSED WATER MAIN



NOTE:

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF ECUA'S ENGINEERING MANUAL.

ALL WATER LINES & FORCE MAIN LATERALS WITHIN THE PAVEMENT SHALL BE ENCASED (SEE DETAIL)

ECUA NOTES:

- 1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING UTILITIES (GAS, WATER, COMMUNICATIONS, ETC), DRAINAGE STRUCTURES AND OTHER THAT MAY CREATE CONFLICTS DURING INSTALLATION OF PROPOSED FORCE MAIN 2. CONTRACTOR TO CLOSELY COORDINATE WITH LANDFILL
- PERSONNEL AND ECUA LIFT STATION STAFF PRIOR TO SHUT DOWN OF EXISTING FORCE MAIN. FORCE MAIN SHUT DOWN TO BE DONE ON WEEKDAY NIGHTS.

GENERAL NOTES:

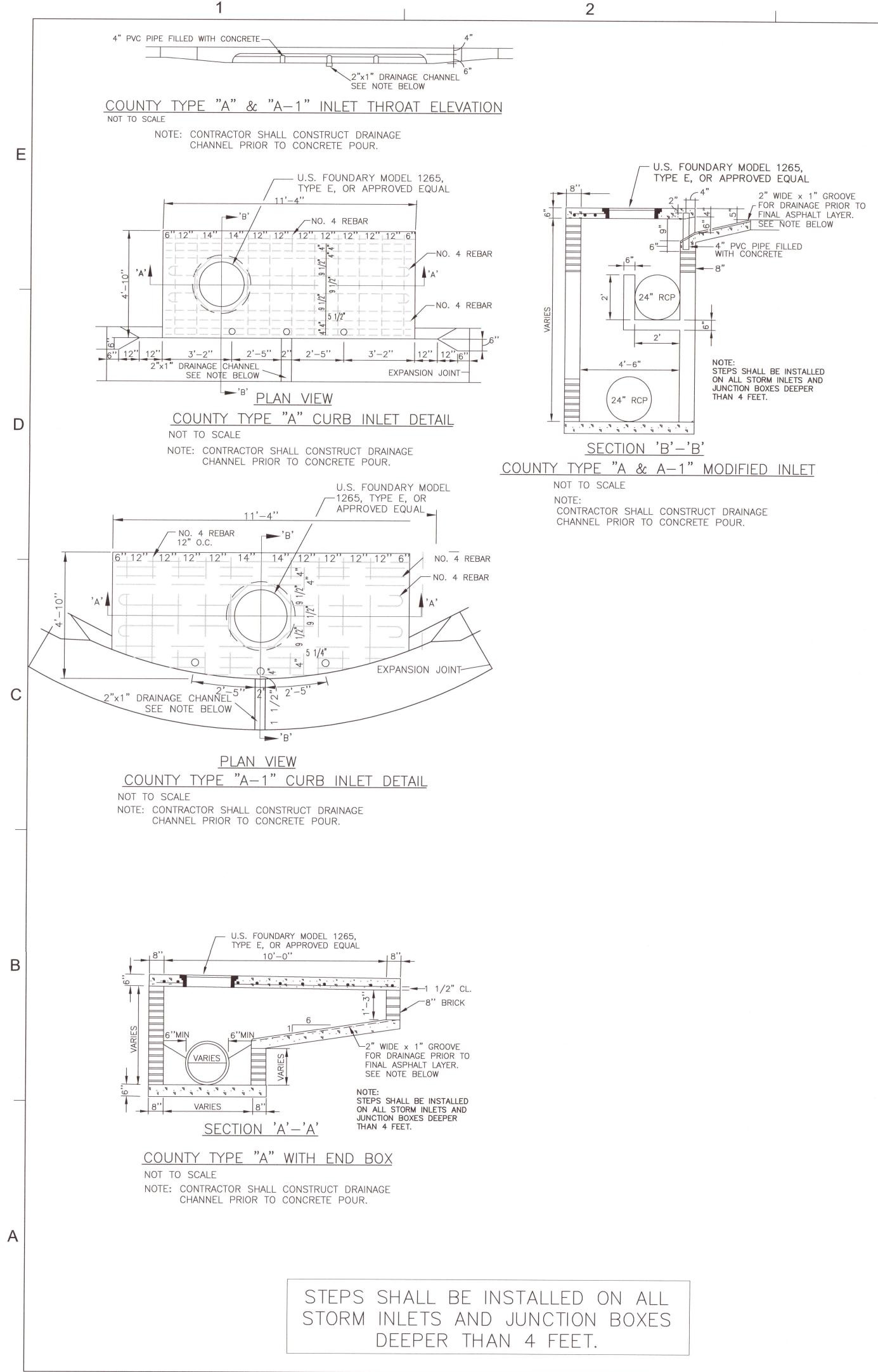
- 1. ALL WORK THAT WILL BECOME ECUA OWNED SHALL BE DESIGNED, CONSTRUCTED, AND TESTED IN ACCORDANCE WITH THE ECUA STAMPED APPROVED PLANS AND ECUA'S ENGINEERING MANUAL IN EFFECT AT THE TIME OF ECUA PLAN APPROVAL
- 2. CONTRACTOR SHALL INSTALL EACH UTILITY SERVICE IN THE LOCATION SHOWN IN THE COMMON TRENCH DETAIL.
- 3. THE DEDICATED FORCE MAIN WITHIN THE RIGHT-OF-WAY WILL BE <u>OWNED AND MAINTAINED BY ECUA. SEWER SERVICES AND</u> GRINDER PUMPS WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. SEWER IS PRIVATELY OWNED FROM THE RIGHT-OF-WAY. 4. ALL FORCE MAIN AND WATER SERVICE LINES WITHIN OR UNDER
- THE PAVEMENT SHALL BE ENCASED. SEE ECUA DETAILS FOR ADDITIONAL INFORMATION. 5. NO GLUED FITTINGS WILL BE ALLOWED ON SANITARY SEWER
- FORCE MAIN SERVICES. 6. ONLY E/ONE SEWER SYSTEMS GRINDER PUMP STATIONS ARE TO BE USED WHEN THE HOME BUILDER CONNECTS SEWER LATERALS TO THE SANITARY SEWER SYSTEM. NO EXCEPTIONS OR SUBSTITUTIONS WILL BE PERMITTED. A 1-1/4" PVC SANITARY SEWER UNI-LATER FROM E/ONE SEWER SYSTEMS, TO TERMINATE AT RIGHT OF WAY. SE E/ONE DETAILS FOR ADDITIONAL INFORMATION
- 7. CONTRACTORS/ECUA INSPECTOR TO PROPERLY NOTIFY RESIDENTS OF OUTAGES BEFORE CONSTRUCTION IS TO BEGIN.
- 8. NO DAMAGE TO EXISTING PAVED DRIVEWAYS AND ROADS SHALL CCCUR. ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR TO EXISTING OR BETTER CONDITION PRIOR TO THE COUNTY'S CCEPTANCE
- 9. RIGHT OF WAY AND ROADWAY STABILIZATION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 10. CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF 6' BETWEEN WATER MAIN AND FORCE MAIN. FORCE MAIN SHALL BE 18" BELOW THE WATER MAIN.
- 11. BORES SHALL BE JACK AND BORE UNLESS SPECIFICALLY NOTED. 12. ECUA WILL ACCEPT OWNERSHIP OF WATER AND SEWER UTILITIES WITHIN THE PROPOSED PUBLIC RIGHT OF WAY OR OTHER DESIGNATED AREAS THAT ARE TO INCLUDE ECUA UTILITIES.
- 3. CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING CONDUIT FOR ALL UTILITY CROSSINGS.
- 14. ALL UTILITY PROVIDERS SHALL USE ONLY INSTALLED CONDUITS. NO OPEN CUTS OR BORINGS SHALL BE ALLOWED UNDER THE ROADS THAT ARE UNDER THE TWO-YEAR WARRANTY.

· EXISTING TELECOMMUNICATIONS LINES

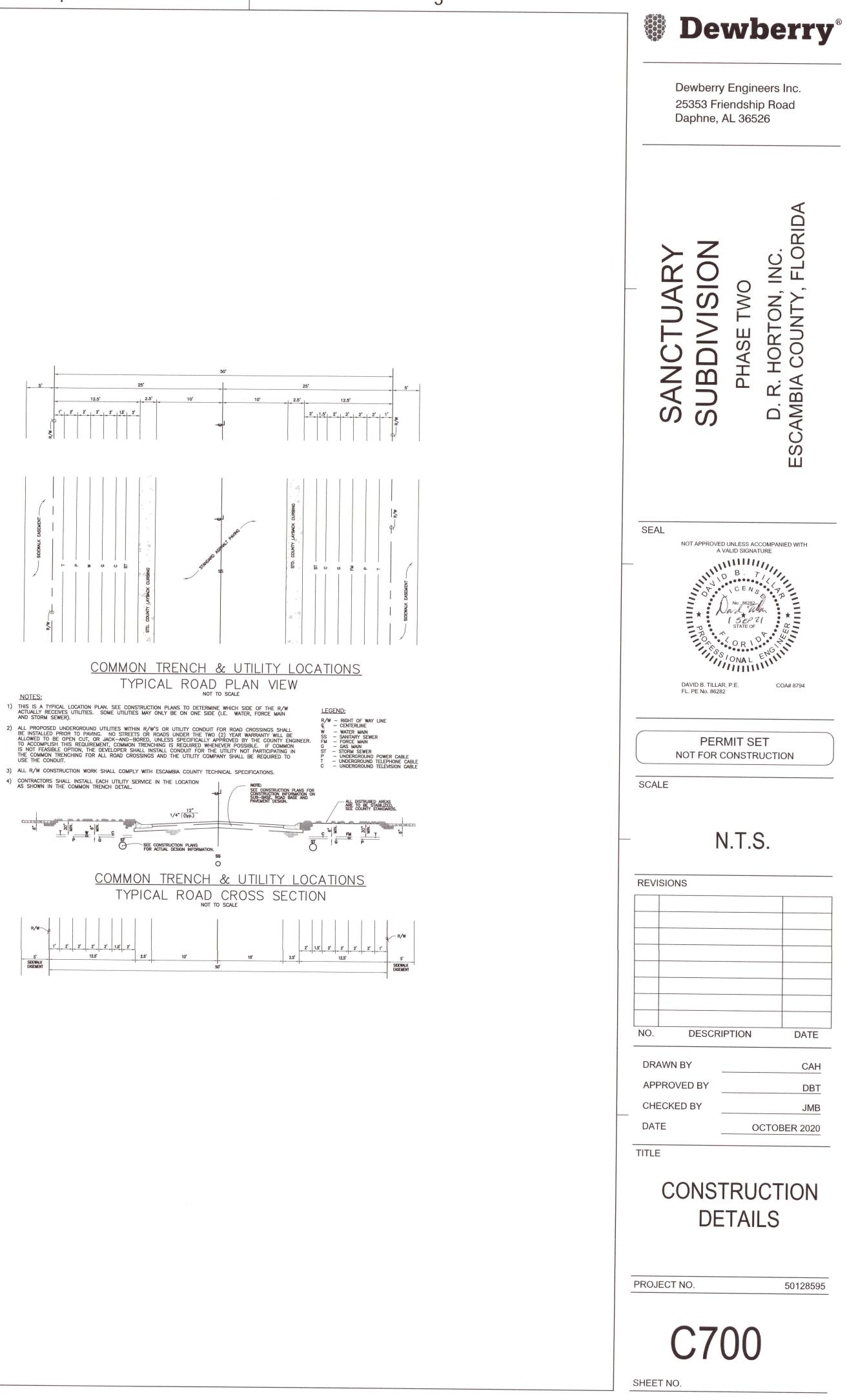
Dewberry Engineers Inc. 25353 Friendship Road Daphne, AL 36526 C. ORID. **SION** N \mathbf{O} A \leq OUNT S \square \triangleleft Ζ \square B 4 AMI S S C S SEAL NOT APPROVED UNLESS ACCOMPANIED WITH A VALID SIGNATURE 1111111 11111111 DAVID B. TILLAR, P.E. COA# 8794 FL. PE No. 86282 PERMIT SET NOT FOR CONSTRUCTION SCALE Feet REVISIONS DESCRIPTION DATE NO. DRAWN BY CAH APPROVED B DBT CHECKED BY JMB DATE OCTOBER 2020 TITLE UTILITY PLAN

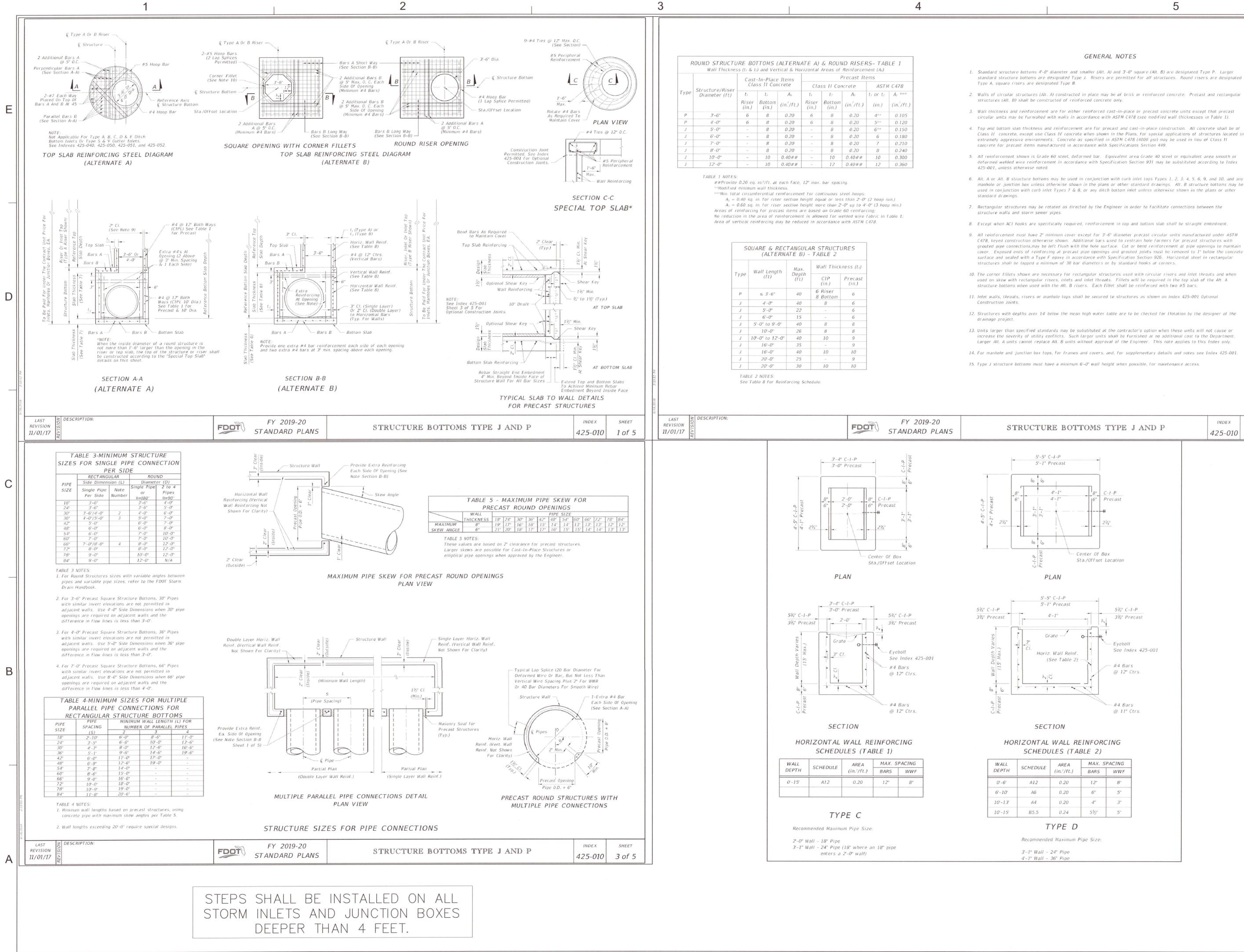
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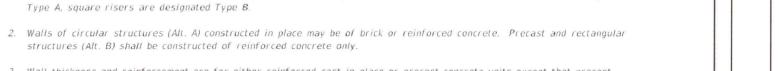
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Dewberry Engineers Inc. 25353 Friendship Road Daphpa AL 26526



3. Wall thickness and reinforcement are for either reinforced cast-in-place or precast concrete units except that precast circular units may be furnished with walls in accordance with ASTM C478 (see modified wall thicknesses in Table 1).

GENERAL NOTES

4. Top and bottom slab thickness and reinforcement are for precast and cast-in-place construction. All concrete shall be of Class II concrete, except use Class IV concrete when shown in the Plans, for special applications of structures located in extremely aggressive environments. Concrete as specified in ASTM C478 (4000 psi) may be used in lieu of Class II concrete for precast items manufactured in accordance with Specifications Section 449.

5. All reinforcement shown is Grade 60 steel, deformed bar. Equivalent area Grade 40 steel or equivalent area smooth or deformed welded wire reinforcement in accordance with Specification Section 931 may be substituted according to Index 425-001, unless otherwise noted.

6. Alt. A or Alt. B structure bottoms may be used in conjunction with curb inlet tops Types 1, 2, 3, 4, 5, 6, 9, and 10, and any manhole or junction box unless otherwise shown in the plans or other standard drawings. Alt, B structure bottoms may be used in conjunction with curb inlet Types 7 & 8, or any ditch bottom inlet unless otherwise shown in the plans or other

7. Rectangular structures may be rotated as directed by the Engineer in order to facilitate connections between the structure walls and storm sewer pipes.

8. Except when ACI hooks are specifically required, reinforcement in top and bottom slab shall be straight embedment.

9. All reinforcement must have 2" minimum cover except for 3'-6" diameter precast circular units manufactured under ASTM C478, keyed construction otherwise shown. Additional bars used to restrain hole formers for precast structures with grouted pipe connections, may be left flush with the hole surface. Cut or bend reinforcement at pipe openings to maintain cover. Exposed ends of reinforcing at precast pipe openings and grouted joints must be removed to 1" below the concrete surface and sealed with a Type F epoxy in accordance with Specification Section 926. Horizontal steel in rectangular structures shall be lapped a minimum of 30 bar diameters or by standard hooks at corners.

10. The corner fillets shown are necessary for rectangular structures used with circular risers and inlet throats and when used on skew with rectangular risers, inlets and inlet throats. Fillets will be required in the top slab of the Alt. A structure bottoms when used with the Alt. B risers. Each fillet shall be reinforced with two #5 bars.

11. Infet walls, throats, risers or manhole tops shall be secured to structures as shown on Index 425-001 Optional

12. Structures with depths over 14' below the mean high water table are to be checked for flotation by the designer of the

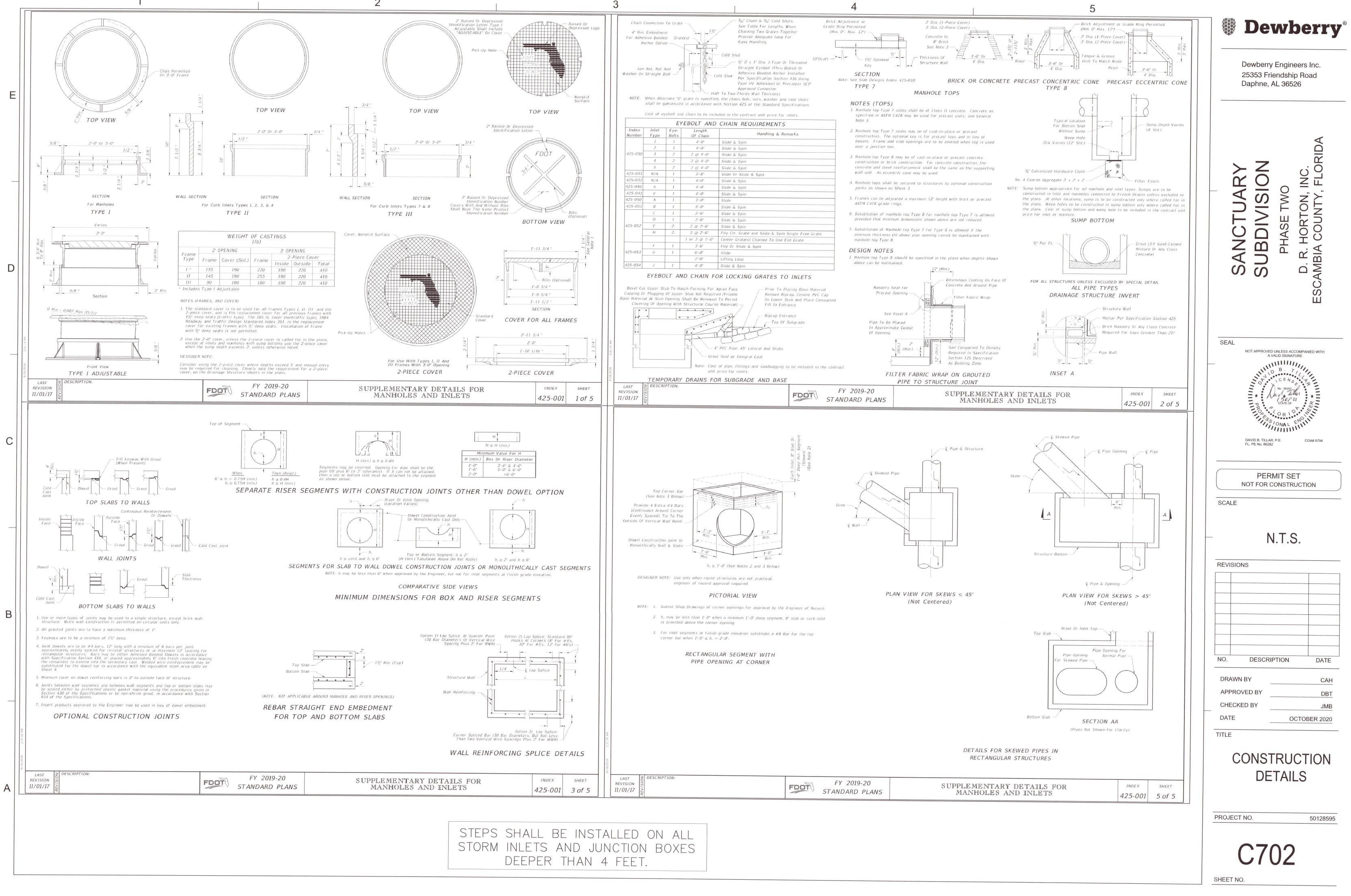
13. Units larger than specified standards may be substituted at the contractor's option when these units will not cause or increase the severity of utility conflicts. Such larger units shall be furnished at no additional cost to the Department. Larger Alt. A units cannot replace Alt. B units without approval of the Engineer. This note applies to this Index only.

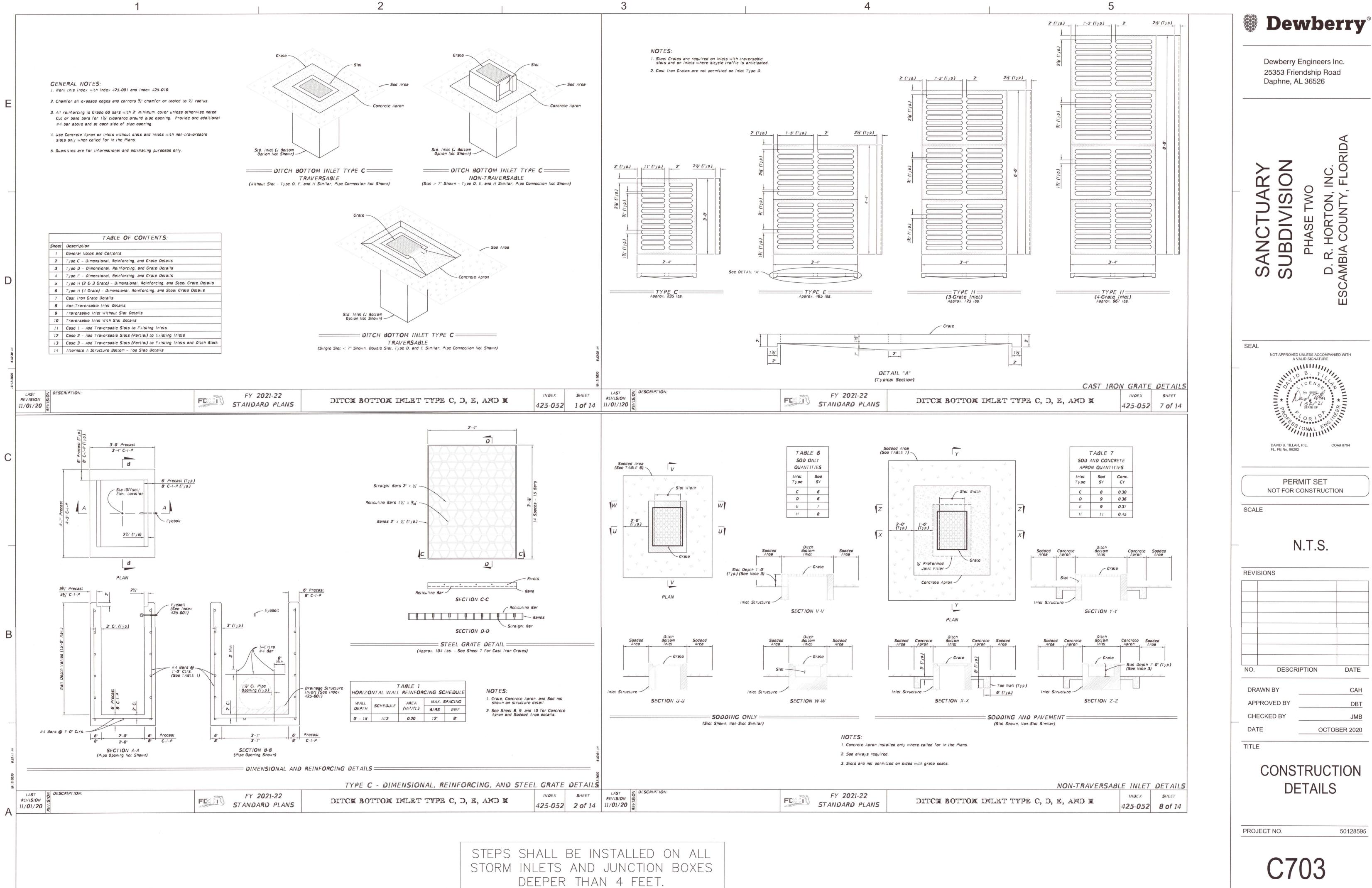
14. For manhole and junction box tops, for frames and covers, and, for supplementary details and notes see Index 425-001. 15. Type J structure bottoms must have a minimum 6'-0" wall height when possible, for maintenance access.

INDEX SHEET STRUCTURE BOTTOMS TYPE J AND P 425-010 2 of 5 5'-5" C-1-P 5'-1" Precast 4'-1" 4'-1' - Center Of Box Sta./Offset Location PLAN 5'-5" C-1-P 5'-1" Precast 53/4" C-I-P 4'-1" 3¾" Precast Grate ---- Eyebolt See Index 425-001 Horiz. Wall Reinf. (See Table 2) #4 Bars @ 12" Ctrs. • • • ~ × #4 Bars @ 11" Ctrs. SECTION HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 2) MAX. SPACING WALL AREA SCHEDULE DEPTH (in.²/ft.) BARS WWF 0'-6' A12 0.20 12" 8" 6'-10' AG 0.20 6" 5" 10'-13' A4 0.20 4" 3" 10'-15' B5.5 0.24 51/2" TYPE D Recommended Maximum Pipe Size: 3'-1" Wall - 24" Pipe 4'-1" Wall - 36" Pipe

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